1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n13 SCS=15kHz SISO 5MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	779.5	Edge_1RB_Left	22.86	/	/	22.31	/	/	<=34.77	Pass
		Edge_1RB_Right	22.97	/	/	22.42	/	/	<=34.77	Pass
		Outer_Full	23.01	/	/	22.46	/	/	<=34.77	Pass
		Inner_Full	23.64	/	/	23.09	/	/	<=34.77	Pass
		Inner_1RB_Left	23.46	/	/	22.91	/	/	<=34.77	Pass
		Inner_1RB_Right	23.51	/	/	22.96	/	/	<=34.77	Pass
	782	Edge_1RB_Left	22.91	/	/	22.36	/	/	<=34.77	Pass
		Edge_1RB_Right	22.80	/	/	22.25	/	/	<=34.77	Pass
		Outer_Full	22.97	/	/	22.42	/	/	<=34.77	Pass
		Inner_Full	23.53	/	/	22.98	/	/	<=34.77	Pass
		Inner_1RB_Left	23.48	/	/	22.93	/	/	<=34.77	Pass
		Inner_1RB_Right	23.35	/	/	22.80	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	22.95	/	/	22.40	/	/	<=34.77	Pass
		Edge_1RB_Right	22.86	/	/	22.31	/	/	<=34.77	Pass
		Outer_Full	22.92	/	/	22.37	/	/	<=34.77	Pass
		Inner_Full	23.42	/	/	22.87	/	/	<=34.77	Pass
		Inner_1RB_Left	23.44	/	/	22.89	/	/	<=34.77	Pass
		Inner_1RB_Right	23.37	/	/	22.82	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	779.5	Edge_1RB_Left	22.31	/	/	21.76	/	/	<=34.77	Pass
		Edge_1RB_Right	22.34	/	/	21.79	/	/	<=34.77	Pass
		Outer_Full	22.38	/	/	21.83	/	/	<=34.77	Pass
		Inner_Full	23.48	/	/	22.93	/	/	<=34.77	Pass
		Inner_1RB_Left	23.29	/	/	22.74	/	/	<=34.77	Pass
		Inner_1RB_Right	23.45	/	/	22.90	/	/	<=34.77	Pass
	782	Edge_1RB_Left	22.39	/	/	21.84	/	/	<=34.77	Pass
		Edge_1RB_Right	22.41	/	/	21.86	/	/	<=34.77	Pass
		Outer_Full	22.48	/	/	21.93	/	/	<=34.77	Pass
		Inner_Full	23.41	/	/	22.86	/	/	<=34.77	Pass
		Inner_1RB_Left	23.47	/	/	22.92	/	/	<=34.77	Pass
		Inner_1RB_Right	23.36	/	/	22.81	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	22.44	/	/	21.89	/	/	<=34.77	Pass
		Edge_1RB_Right	22.24	/	/	21.69	/	/	<=34.77	Pass
		Outer_Full	22.43	/	/	21.88	/	/	<=34.77	Pass
		Inner_Full	23.40	/	/	22.85	/	/	<=34.77	Pass
		Inner_1RB_Left	23.46	/	/	22.91	/	/	<=34.77	Pass
		Inner_1RB_Right	23.30	/	/	22.75	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	779.5	Edge_1RB_Left	21.41	/	/	20.86	/	/	<=34.77	Pass
		Edge_1RB_Right	21.45	/	/	20.90	/	/	<=34.77	Pass
		Outer_Full	21.47	/	/	20.92	/	/	<=34.77	Pass
		Inner_Full	22.45	/	/	21.90	/	/	<=34.77	Pass
		Inner_1RB_Left	22.28	/	/	21.73	/	/	<=34.77	Pass
		Inner_1RB_Right	22.27	/	/	21.72	/	/	<=34.77	Pass
	782	Edge_1RB_Left	21.26	/	/	20.71	/	/	<=34.77	Pass
		Edge_1RB_Right	21.45	/	/	20.90	/	/	<=34.77	Pass
		Outer_Full	21.38	/	/	20.83	/	/	<=34.77	Pass
		Inner_Full	22.49	/	/	21.94	/	/	<=34.77	Pass
		Inner_1RB_Left	22.42	/	/	21.87	/	/	<=34.77	Pass

		Inner_1RB_Right	22.34	/	/	21.79	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	21.34	/	/	20.79	/	/	<=34.77	Pass
		Edge_1RB_Right	21.32	/	/	20.77	/	/	<=34.77	Pass
		Outer_Full	21.43	/	/	20.88	/	/	<=34.77	Pass
		Inner_Full	22.45	/	/	21.90	/	/	<=34.77	Pass
		Inner_1RB_Left	22.40	/	/	21.85	/	/	<=34.77	Pass
		Inner_1RB_Right	22.29	/	/	21.74	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	779.5	Edge_1RB_Left	21.16	/	/	20.61	/	/	<=34.77	Pass
		Edge_1RB_Right	20.91	/	/	20.36	/	/	<=34.77	Pass
		Outer_Full	20.83	/	/	20.28	/	/	<=34.77	Pass
		Inner_Full	20.84	/	/	20.29	/	/	<=34.77	Pass
		Inner_1RB_Left	21.06	/	/	20.51	/	/	<=34.77	Pass
		Inner_1RB_Right	21.05	/	/	20.50	/	/	<=34.77	Pass
	782	Edge_1RB_Left	20.75	/	/	20.20	/	/	<=34.77	Pass
		Edge_1RB_Right	20.90	/	/	20.35	/	/	<=34.77	Pass
		Outer_Full	20.94	/	/	20.39	/	/	<=34.77	Pass
		Inner_Full	20.96	/	/	20.41	/	/	<=34.77	Pass
		Inner_1RB_Left	20.74	/	/	20.19	/	/	<=34.77	Pass
		Inner_1RB_Right	21.17	/	/	20.62	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	20.63	/	/	20.08	/	/	<=34.77	Pass
		Edge_1RB_Right	20.78	/	/	20.23	/	/	<=34.77	Pass
		Outer_Full	20.88	/	/	20.33	/	/	<=34.77	Pass
		Inner_Full	20.93	/	/	20.38	/	/	<=34.77	Pass
		Inner_1RB_Left	21.07	/	/	20.52	/	/	<=34.77	Pass
		Inner_1RB_Right	20.87	/	/	20.32	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	779.5	Edge_1RB_Left	18.80	/	/	18.25	/	/	<=34.77	Pass
		Edge_1RB_Right	19.09	/	/	18.54	/	/	<=34.77	Pass
		Outer_Full	18.88	/	/	18.33	/	/	<=34.77	Pass
		Inner_Full	18.91	/	/	18.36	/	/	<=34.77	Pass
		Inner_1RB_Left	18.76	/	/	18.21	/	/	<=34.77	Pass
		Inner_1RB_Right	18.80	/	/	18.25	/	/	<=34.77	Pass
	782	Edge_1RB_Left	18.90	/	/	18.35	/	/	<=34.77	Pass
		Edge_1RB_Right	18.71	/	/	18.16	/	/	<=34.77	Pass
		Outer_Full	19.10	/	/	18.55	/	/	<=34.77	Pass
		Inner_Full	18.89	/	/	18.34	/	/	<=34.77	Pass
		Inner_1RB_Left	18.63	/	/	18.08	/	/	<=34.77	Pass
		Inner_1RB_Right	18.94	/	/	18.39	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	18.90	/	/	18.35	/	/	<=34.77	Pass
		Edge_1RB_Right	19.02	/	/	18.47	/	/	<=34.77	Pass
		Outer_Full	18.93	/	/	18.38	/	/	<=34.77	Pass
		Inner_Full	18.95	/	/	18.40	/	/	<=34.77	Pass
		Inner_1RB_Left	18.70	/	/	18.15	/	/	<=34.77	Pass
		Inner_1RB_Right	18.94	/	/	18.39	/	/	<=34.77	Pass
CP-OFDM QPSK	779.5	Edge_1RB_Left	20.28	/	/	19.73	/	/	<=34.77	Pass
		Edge_1RB_Right	20.38	/	/	19.83	/	/	<=34.77	Pass
		Outer_Full	20.41	/	/	19.86	/	/	<=34.77	Pass
		Inner_Full	21.95	/	/	21.40	/	/	<=34.77	Pass
		Inner_1RB_Left	21.80	/	/	21.25	/	/	<=34.77	Pass
		Inner_1RB_Right	21.92	/	/	21.37	/	/	<=34.77	Pass
	782	Edge_1RB_Left	20.42	/	/	19.87	/	/	<=34.77	Pass
		Edge_1RB_Right	20.44	/	/	19.89	/	/	<=34.77	Pass
		Outer_Full	20.53	/	/	19.98	/	/	<=34.77	Pass
		Inner_Full	21.99	/	/	21.44	/	/	<=34.77	Pass
		Inner_1RB_Left	22.13	/	/	21.58	/	/	<=34.77	Pass
		Inner_1RB_Right	22.01	/	/	21.46	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	20.31	/	/	19.76	/	/	<=34.77	Pass
		Edge_1RB_Right	20.43	/	/	19.88	/	/	<=34.77	Pass
		Outer_Full	20.41	/	/	19.86	/	/	<=34.77	Pass
		Inner_Full	21.95	/	/	21.40	/	/	<=34.77	Pass

		Inner_1RB_Left	22.00	/	/	21.45	/	/	<=34.77	Pass
		Inner_1RB_Right	22.15	/	/	21.60	/	/	<=34.77	Pass
CP-OFDM 16 QAM	779.5	Edge_1RB_Left	20.41	/	/	19.86	/	/	<=34.77	Pass
		Edge_1RB_Right	20.17	/	/	19.62	/	/	<=34.77	Pass
		Outer_Full	20.44	/	/	19.89	/	/	<=34.77	Pass
		Inner_Full	21.33	/	/	20.78	/	/	<=34.77	Pass
		Inner_1RB_Left	21.34	/	/	20.79	/	/	<=34.77	Pass
		Inner_1RB_Right	21.76	/	/	21.21	/	/	<=34.77	Pass
	782	Edge_1RB_Left	20.37	/	/	19.82	/	/	<=34.77	Pass
		Edge_1RB_Right	20.64	/	/	20.09	/	/	<=34.77	Pass
		Outer_Full	20.47	/	/	19.92	/	/	<=34.77	Pass
		Inner_Full	21.35	/	/	20.80	/	/	<=34.77	Pass
		Inner_1RB_Left	21.30	/	/	20.75	/	/	<=34.77	Pass
		Inner_1RB_Right	21.50	/	/	20.95	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	20.36	/	/	19.81	/	/	<=34.77	Pass
		Edge_1RB_Right	20.38	/	/	19.83	/	/	<=34.77	Pass
		Outer_Full	20.36	/	/	19.81	/	/	<=34.77	Pass
		Inner_Full	21.41	/	/	20.86	/	/	<=34.77	Pass
		Inner_1RB_Left	21.38	/	/	20.83	/	/	<=34.77	Pass
		Inner_1RB_Right	21.69	/	/	21.14	/	/	<=34.77	Pass
CP-OFDM 64 QAM	779.5	Edge_1RB_Left	19.91	/	/	19.36	/	/	<=34.77	Pass
		Edge_1RB_Right	20.02	/	/	19.47	/	/	<=34.77	Pass
		Outer_Full	19.86	/	/	19.31	/	/	<=34.77	Pass
		Inner_Full	19.92	/	/	19.37	/	/	<=34.77	Pass
		Inner_1RB_Left	20.08	/	/	19.53	/	/	<=34.77	Pass
		Inner_1RB_Right	19.86	/	/	19.31	/	/	<=34.77	Pass
	782	Edge_1RB_Left	19.81	/	/	19.26	/	/	<=34.77	Pass
		Edge_1RB_Right	20.02	/	/	19.47	/	/	<=34.77	Pass
		Outer_Full	19.91	/	/	19.36	/	/	<=34.77	Pass
		Inner_Full	19.87	/	/	19.32	/	/	<=34.77	Pass
		Inner_1RB_Left	19.79	/	/	19.24	/	/	<=34.77	Pass
		Inner_1RB_Right	19.98	/	/	19.43	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	20.04	/	/	19.49	/	/	<=34.77	Pass
		Edge_1RB_Right	19.89	/	/	19.34	/	/	<=34.77	Pass
		Outer_Full	19.89	/	/	19.34	/	/	<=34.77	Pass
		Inner_Full	19.88	/	/	19.33	/	/	<=34.77	Pass
		Inner_1RB_Left	20.05	/	/	19.50	/	/	<=34.77	Pass
		Inner_1RB_Right	19.96	/	/	19.41	/	/	<=34.77	Pass
CP-OFDM 256 QAM	779.5	Edge_1RB_Left	16.92	/	/	16.37	/	/	<=34.77	Pass
		Edge_1RB_Right	16.76	/	/	16.21	/	/	<=34.77	Pass
		Outer_Full	16.87	/	/	16.32	/	/	<=34.77	Pass
		Inner_Full	16.93	/	/	16.38	/	/	<=34.77	Pass
		Inner_1RB_Left	16.75	/	/	16.20	/	/	<=34.77	Pass
		Inner_1RB_Right	17.02	/	/	16.47	/	/	<=34.77	Pass
	782	Edge_1RB_Left	16.73	/	/	16.18	/	/	<=34.77	Pass
		Edge_1RB_Right	16.79	/	/	16.24	/	/	<=34.77	Pass
		Outer_Full	16.94	/	/	16.39	/	/	<=34.77	Pass
		Inner_Full	16.99	/	/	16.44	/	/	<=34.77	Pass
		Inner_1RB_Left	16.75	/	/	16.20	/	/	<=34.77	Pass
		Inner_1RB_Right	16.83	/	/	16.28	/	/	<=34.77	Pass
	784.5	Edge_1RB_Left	16.75	/	/	16.20	/	/	<=34.77	Pass
		Edge_1RB_Right	16.70	/	/	16.15	/	/	<=34.77	Pass
		Outer_Full	16.90	/	/	16.35	/	/	<=34.77	Pass
		Inner_Full	16.95	/	/	16.40	/	/	<=34.77	Pass
		Inner_1RB_Left	16.89	/	/	16.34	/	/	<=34.77	Pass
		Inner_1RB_Right	16.74	/	/	16.19	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: 1.60dBi;
Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n13 SCS=15kHz SISO 10MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	782	Edge_1RB_Left	22.89	/	/	22.34	/	/	<=34.77	Pass
		Edge_1RB_Right	22.83	/	/	22.28	/	/	<=34.77	Pass
		Outer_Full	22.97	/	/	22.42	/	/	<=34.77	Pass
		Inner_Full	23.53	/	/	22.98	/	/	<=34.77	Pass
		Inner_1RB_Left	23.56	/	/	23.01	/	/	<=34.77	Pass
		Inner_1RB_Right	23.52	/	/	22.97	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	782	Edge_1RB_Left	22.30	/	/	21.75	/	/	<=34.77	Pass
		Edge_1RB_Right	22.40	/	/	21.85	/	/	<=34.77	Pass
		Outer_Full	22.36	/	/	21.81	/	/	<=34.77	Pass
		Inner_Full	23.44	/	/	22.89	/	/	<=34.77	Pass
		Inner_1RB_Left	23.38	/	/	22.83	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	22.83	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	782	Edge_1RB_Left	21.16	/	/	20.61	/	/	<=34.77	Pass
		Edge_1RB_Right	21.52	/	/	20.97	/	/	<=34.77	Pass
		Outer_Full	21.40	/	/	20.85	/	/	<=34.77	Pass
		Inner_Full	22.43	/	/	21.88	/	/	<=34.77	Pass
		Inner_1RB_Left	22.42	/	/	21.87	/	/	<=34.77	Pass
		Inner_1RB_Right	22.41	/	/	21.86	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	782	Edge_1RB_Left	20.72	/	/	20.17	/	/	<=34.77	Pass
		Edge_1RB_Right	20.87	/	/	20.32	/	/	<=34.77	Pass
		Outer_Full	20.94	/	/	20.39	/	/	<=34.77	Pass
		Inner_Full	20.84	/	/	20.29	/	/	<=34.77	Pass
		Inner_1RB_Left	20.87	/	/	20.32	/	/	<=34.77	Pass
		Inner_1RB_Right	20.77	/	/	20.22	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	782	Edge_1RB_Left	18.91	/	/	18.36	/	/	<=34.77	Pass
		Edge_1RB_Right	19.02	/	/	18.47	/	/	<=34.77	Pass
		Outer_Full	18.94	/	/	18.39	/	/	<=34.77	Pass
		Inner_Full	19.02	/	/	18.47	/	/	<=34.77	Pass
		Inner_1RB_Left	18.74	/	/	18.19	/	/	<=34.77	Pass
		Inner_1RB_Right	18.91	/	/	18.36	/	/	<=34.77	Pass
CP-OFDM QPSK	782	Edge_1RB_Left	20.27	/	/	19.72	/	/	<=34.77	Pass
		Edge_1RB_Right	20.37	/	/	19.82	/	/	<=34.77	Pass
		Outer_Full	20.45	/	/	19.90	/	/	<=34.77	Pass
		Inner_Full	21.83	/	/	21.28	/	/	<=34.77	Pass
		Inner_1RB_Left	22.06	/	/	21.51	/	/	<=34.77	Pass
		Inner_1RB_Right	22.00	/	/	21.45	/	/	<=34.77	Pass
CP-OFDM 16 QAM	782	Edge_1RB_Left	20.42	/	/	19.87	/	/	<=34.77	Pass
		Edge_1RB_Right	20.45	/	/	19.90	/	/	<=34.77	Pass
		Outer_Full	20.52	/	/	19.97	/	/	<=34.77	Pass
		Inner_Full	21.33	/	/	20.78	/	/	<=34.77	Pass
		Inner_1RB_Left	21.32	/	/	20.77	/	/	<=34.77	Pass
		Inner_1RB_Right	21.35	/	/	20.80	/	/	<=34.77	Pass
CP-OFDM 64 QAM	782	Edge_1RB_Left	19.70	/	/	19.15	/	/	<=34.77	Pass
		Edge_1RB_Right	19.90	/	/	19.35	/	/	<=34.77	Pass
		Outer_Full	20.01	/	/	19.46	/	/	<=34.77	Pass
		Inner_Full	19.97	/	/	19.42	/	/	<=34.77	Pass
		Inner_1RB_Left	20.02	/	/	19.47	/	/	<=34.77	Pass
		Inner_1RB_Right	19.68	/	/	19.13	/	/	<=34.77	Pass
CP-OFDM 256 QAM	782	Edge_1RB_Left	16.49	/	/	15.94	/	/	<=34.77	Pass
		Edge_1RB_Right	17.20	/	/	16.65	/	/	<=34.77	Pass
		Outer_Full	16.99	/	/	16.44	/	/	<=34.77	Pass
		Inner_Full	16.93	/	/	16.38	/	/	<=34.77	Pass
		Inner_1RB_Left	16.55	/	/	16.00	/	/	<=34.77	Pass
		Inner_1RB_Right	16.93	/	/	16.38	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 1.60dBi;										

Note2: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

5G NR n13 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	782	Outer_Full	20	LV	-0.40	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0041	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0043	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0069	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0064	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0059	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0079	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0061	>=-2.5 & <=2.5	Pass
			40	NV	-0.60	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0045	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n13 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	782	Outer_Full	4.56	5.28	/	Pass
DFT-s-OFDM QPSK	782	Outer_Full	4.55	5.29	/	Pass
DFT-s-OFDM 16 QAM	782	Outer_Full	4.55	5.18	/	Pass
DFT-s-OFDM 64 QAM	782	Outer_Full	4.55	5.27	/	Pass
DFT-s-OFDM 256 QAM	782	Outer_Full	4.55	5.31	/	Pass
CP-OFDM QPSK	782	Outer_Full	4.55	5.29	/	Pass
CP-OFDM 16 QAM	782	Outer_Full	4.58	5.33	/	Pass
CP-OFDM 64 QAM	782	Outer_Full	4.54	5.26	/	Pass
CP-OFDM 256 QAM	782	Outer_Full	4.55	5.18	/	Pass

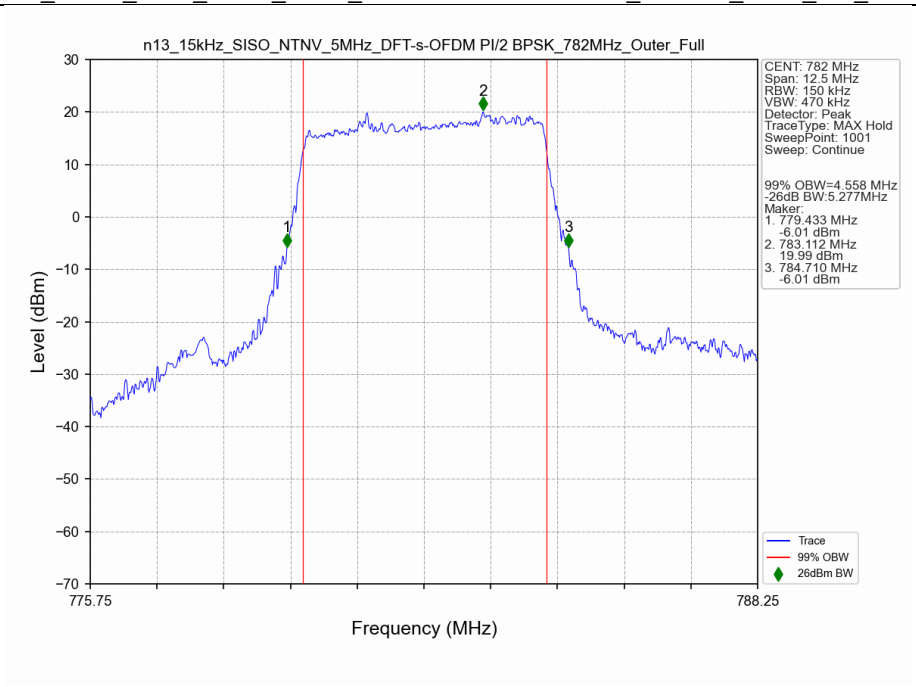
3.1.2 15k_SISO_10MHz_NTNV

5G NR n13 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	782	Outer_Full	9.03	9.81	/	Pass
DFT-s-OFDM QPSK	782	Outer_Full	9.03	10.04	/	Pass
DFT-s-OFDM 16 QAM	782	Outer_Full	9.06	10.01	/	Pass
DFT-s-OFDM 64 QAM	782	Outer_Full	9.04	9.94	/	Pass
DFT-s-OFDM 256 QAM	782	Outer_Full	9.04	9.95	/	Pass
CP-OFDM QPSK	782	Outer_Full	9.36	10.29	/	Pass
CP-OFDM 16 QAM	782	Outer_Full	9.36	10.30	/	Pass
CP-OFDM 64 QAM	782	Outer_Full	9.37	10.33	/	Pass
CP-OFDM 256 QAM	782	Outer_Full	9.34	10.34	/	Pass

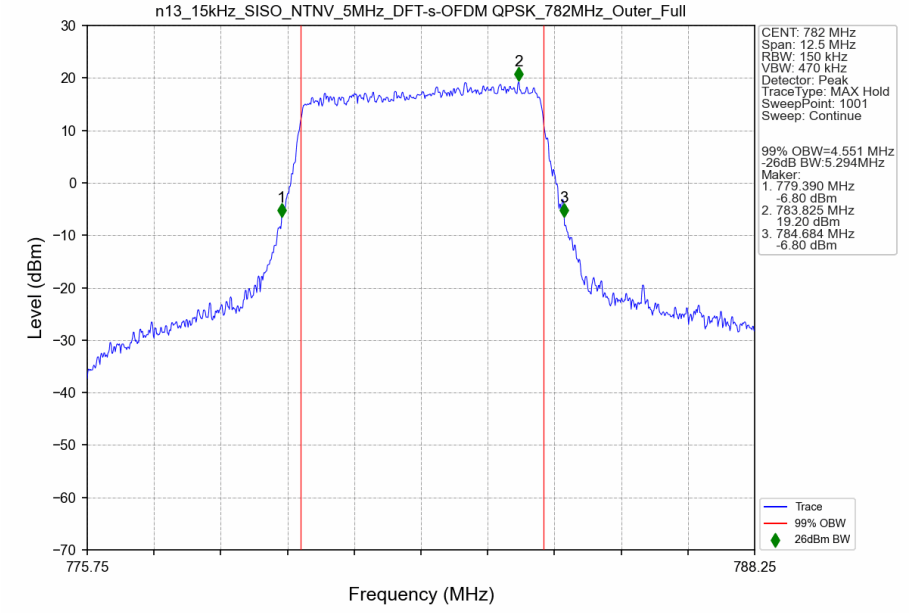
3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV

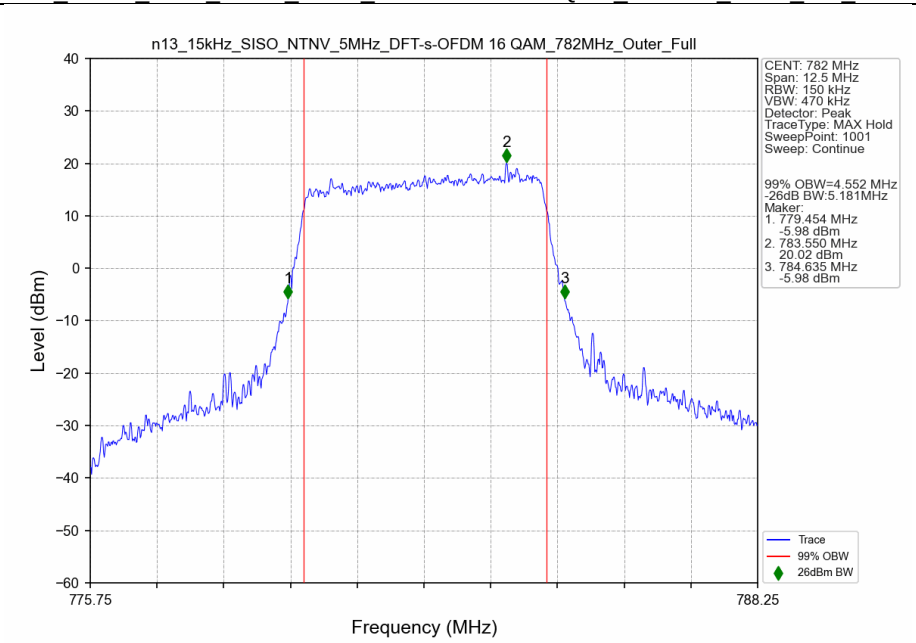
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Outer_Full_Ant1



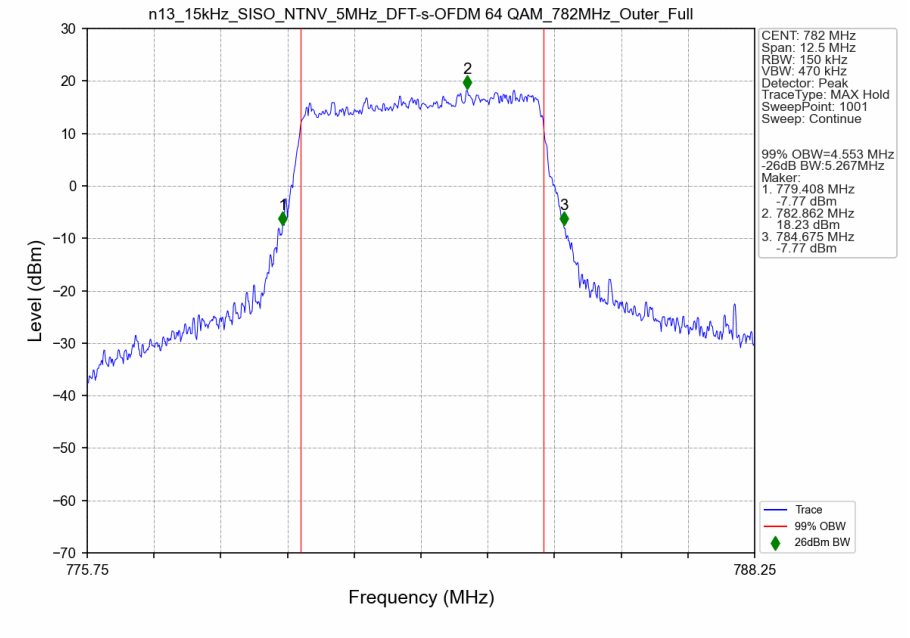
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_782MHz_Outer_Full_Ant1



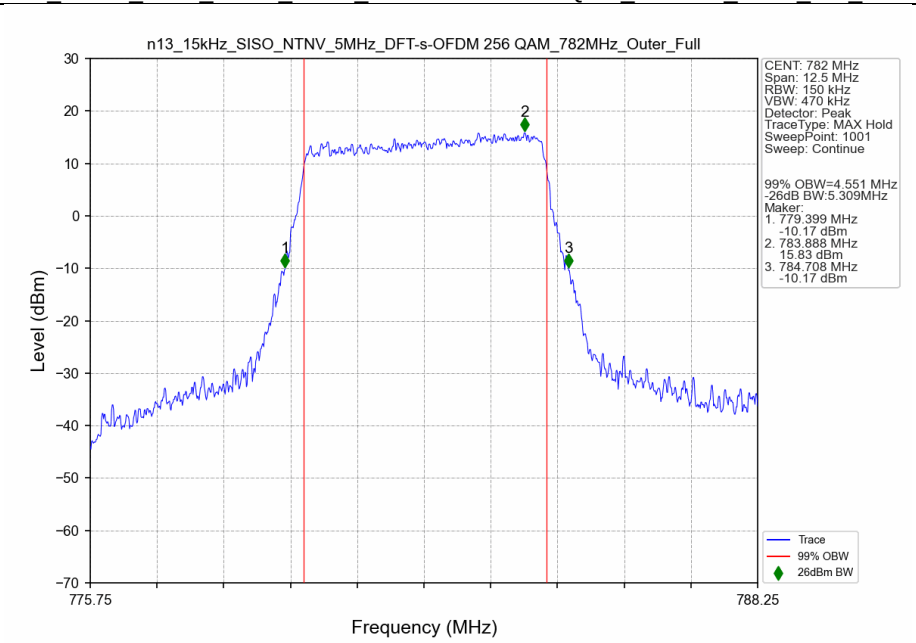
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_782MHz_Outer_Full_Ant1



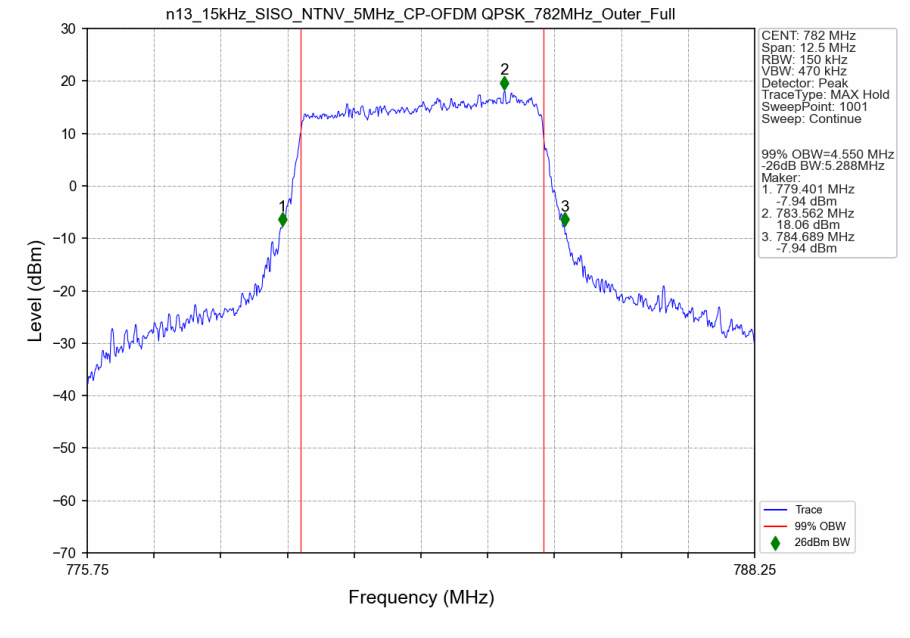
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_782MHz_Outer_Full_Ant1



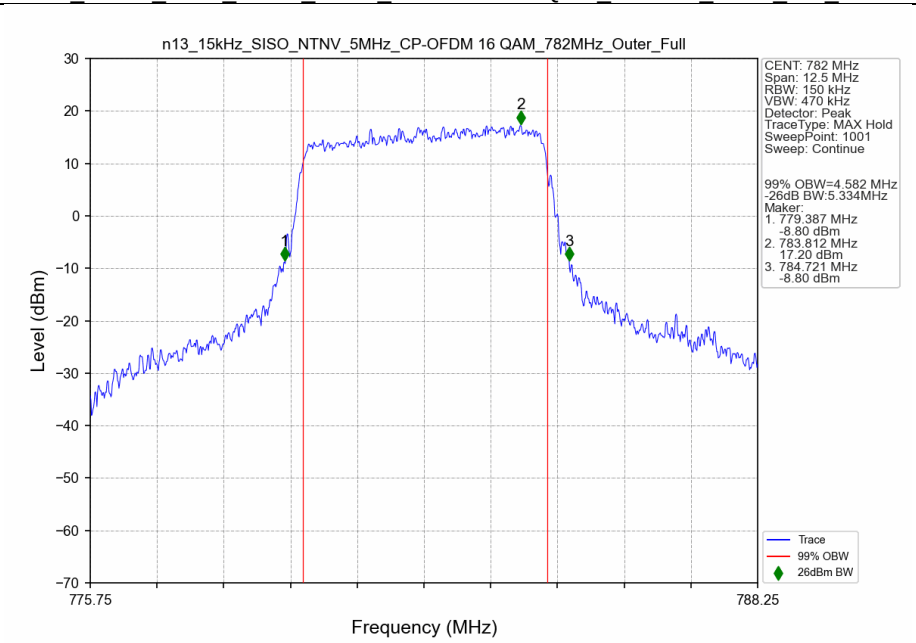
n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_782MHz_Outer_Full_Ant1



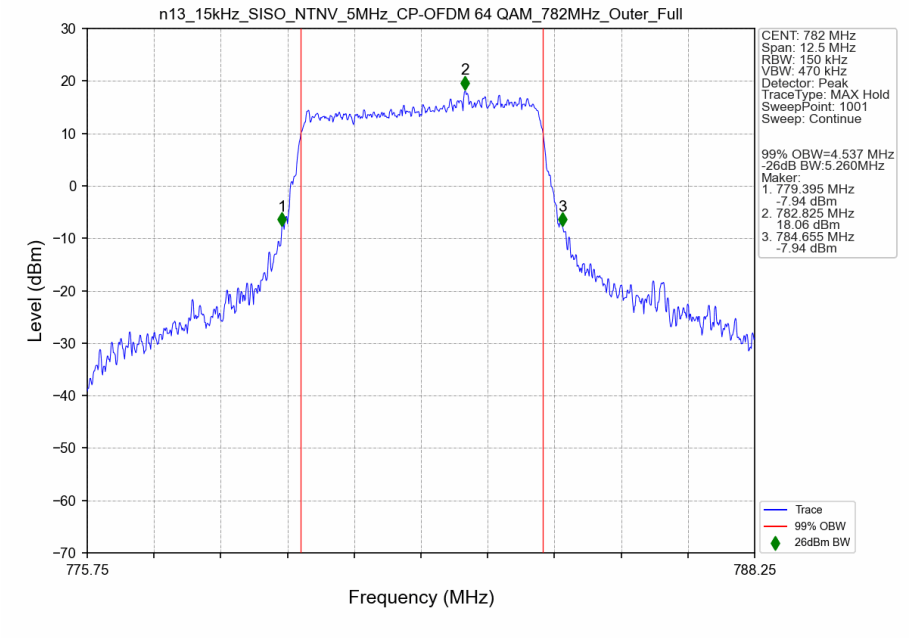
n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_782MHz_Outer_Full_Ant1



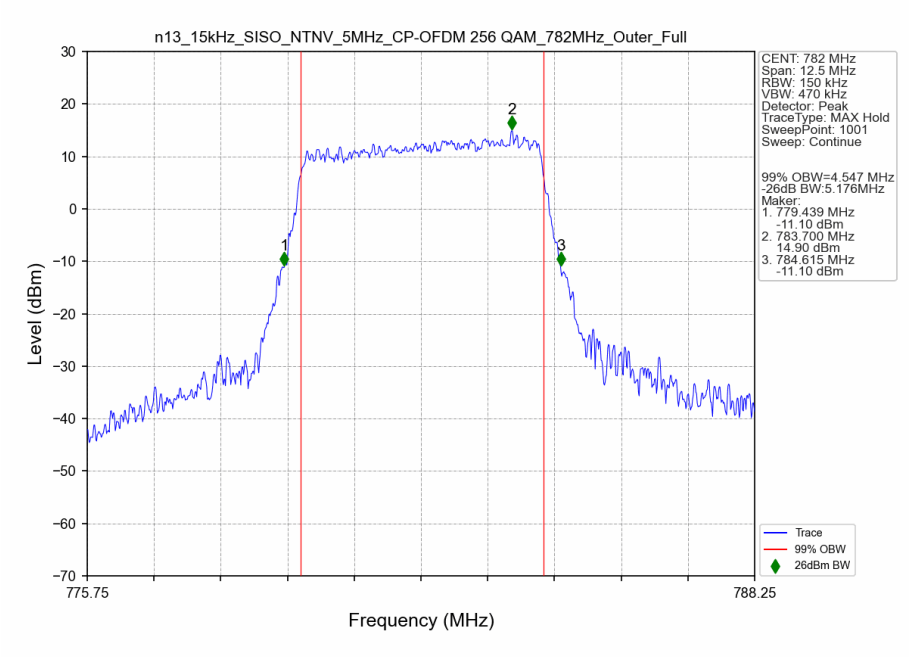
n13_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_782MHz_Outer_Full_Ant1



n13_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_782MHz_Outer_Full_Ant1

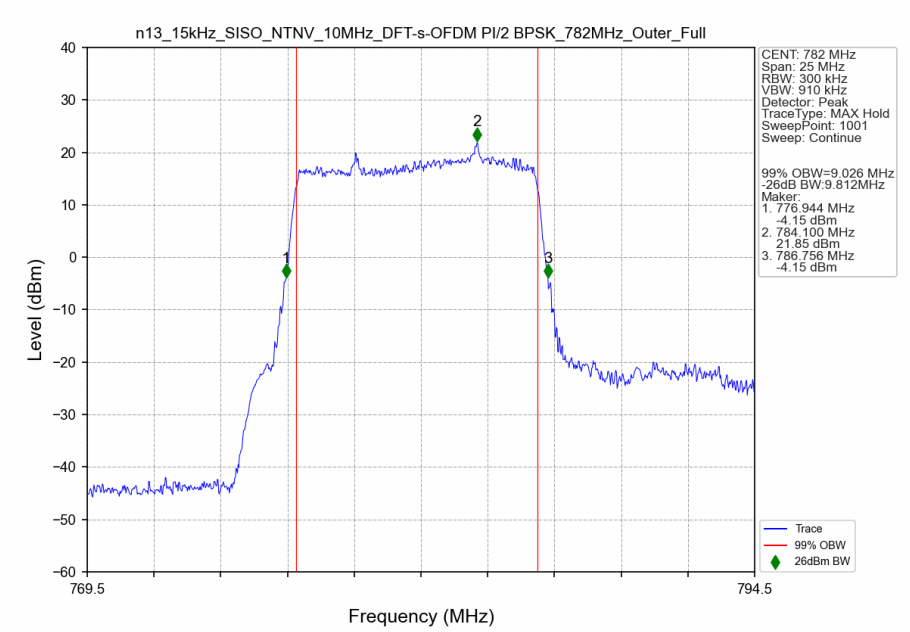


n13_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_782MHz_Outer_Full_Ant1

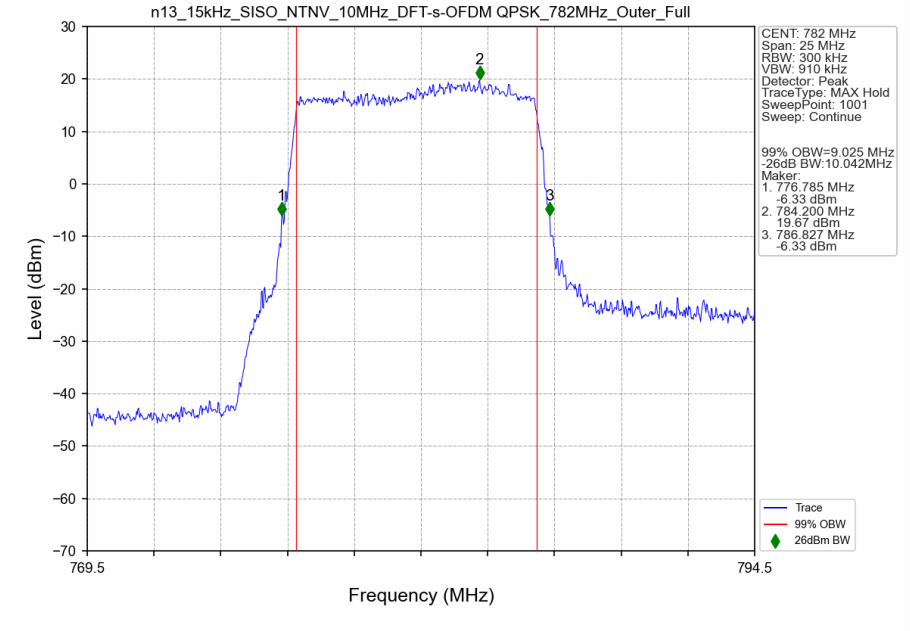


3.2.2 15k_SISO_10MHz_NTNV

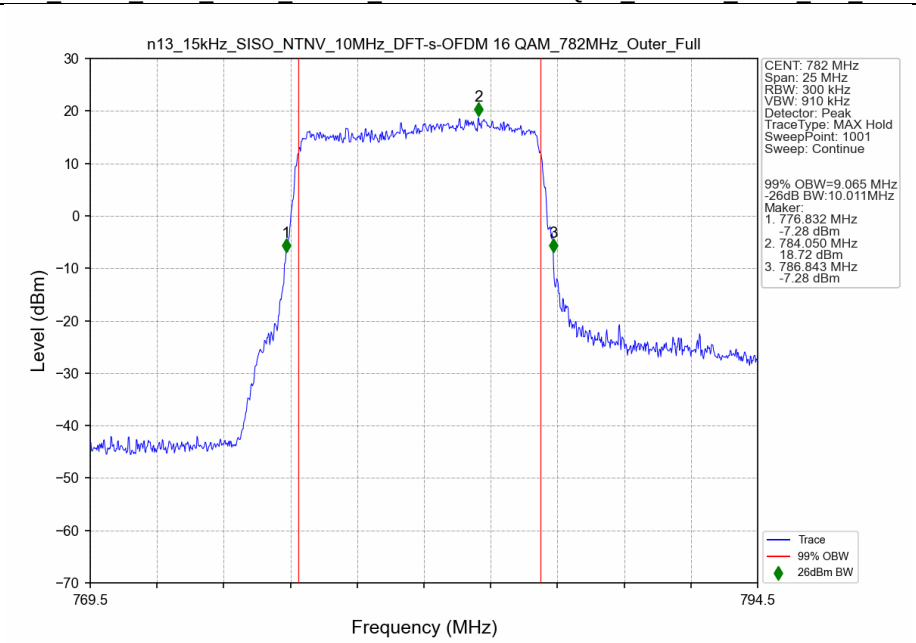
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Outer_Full_Ant1



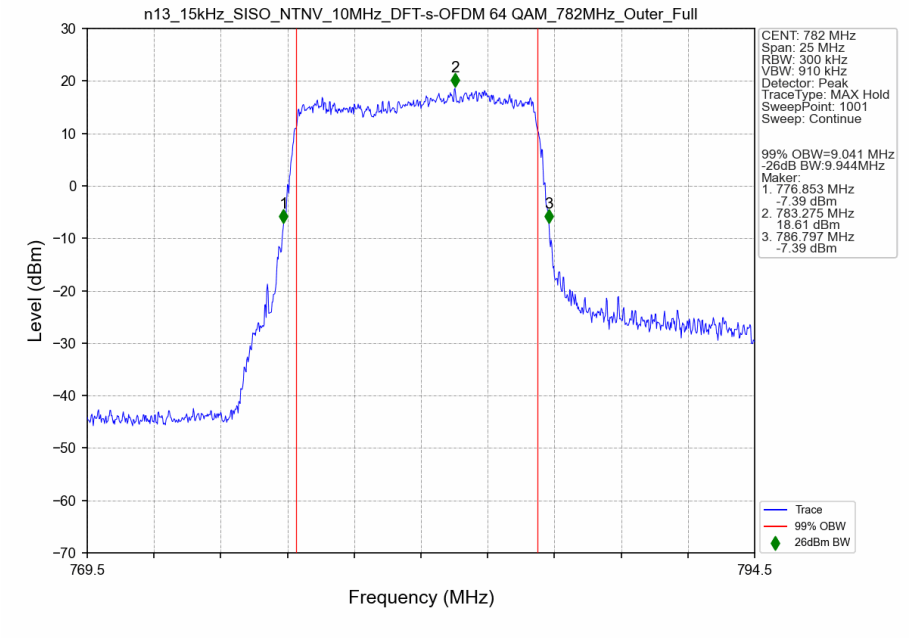
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_782MHz_Outer_Full_Ant1



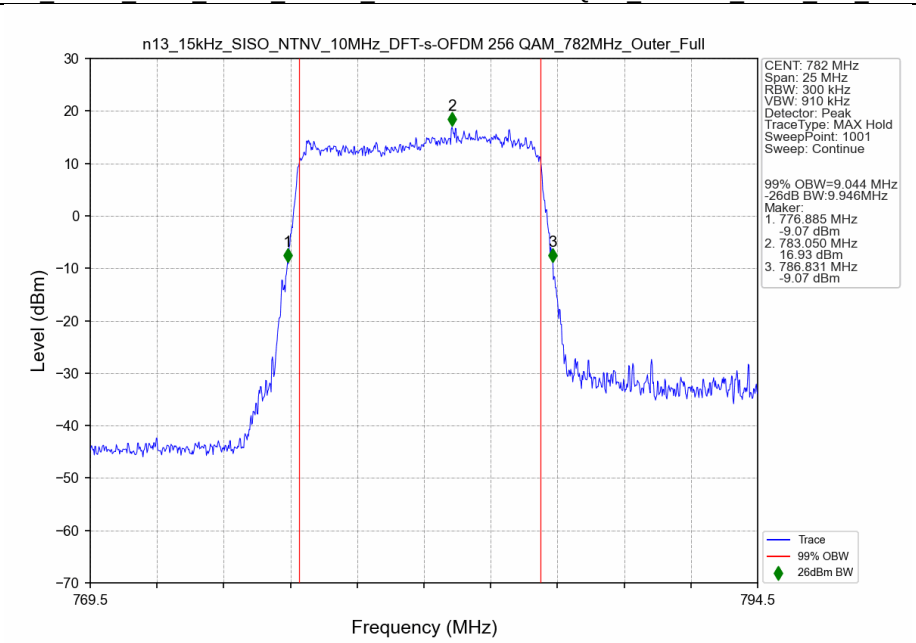
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_782MHz_Outer_Full_Ant1



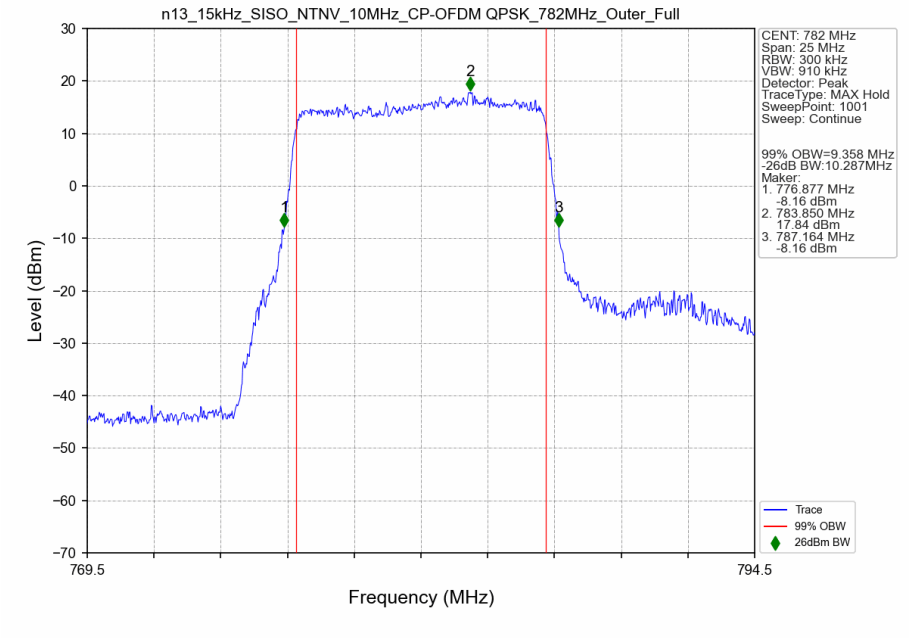
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_782MHz_Outer_Full_Ant1



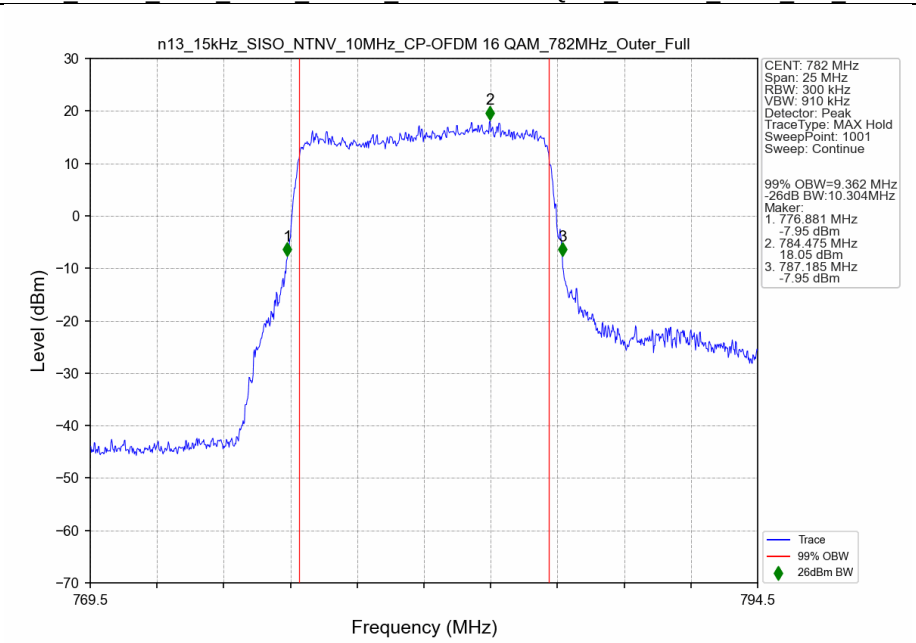
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_782MHz_Outer_Full_Ant1



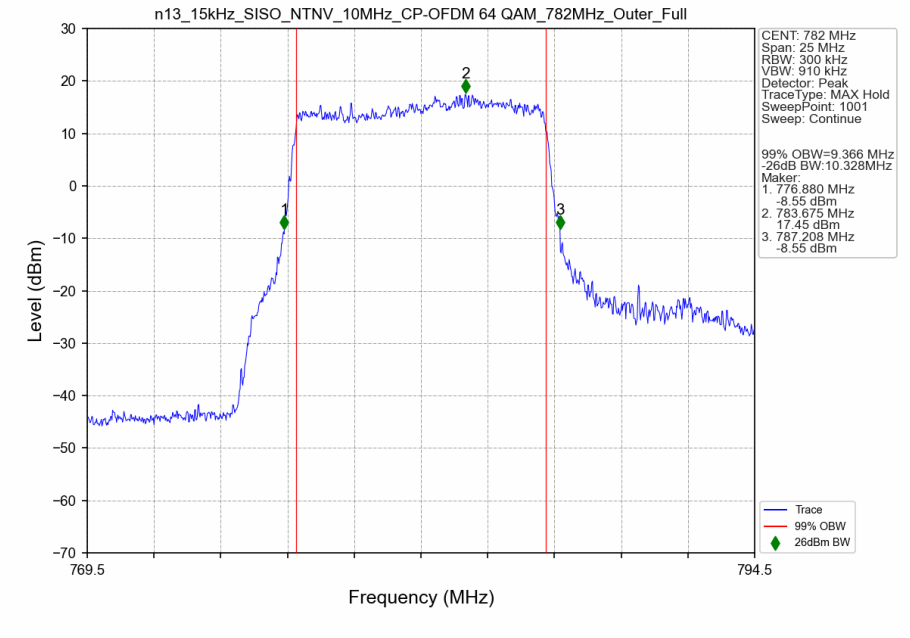
n13_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_782MHz_Outer_Full_Ant1



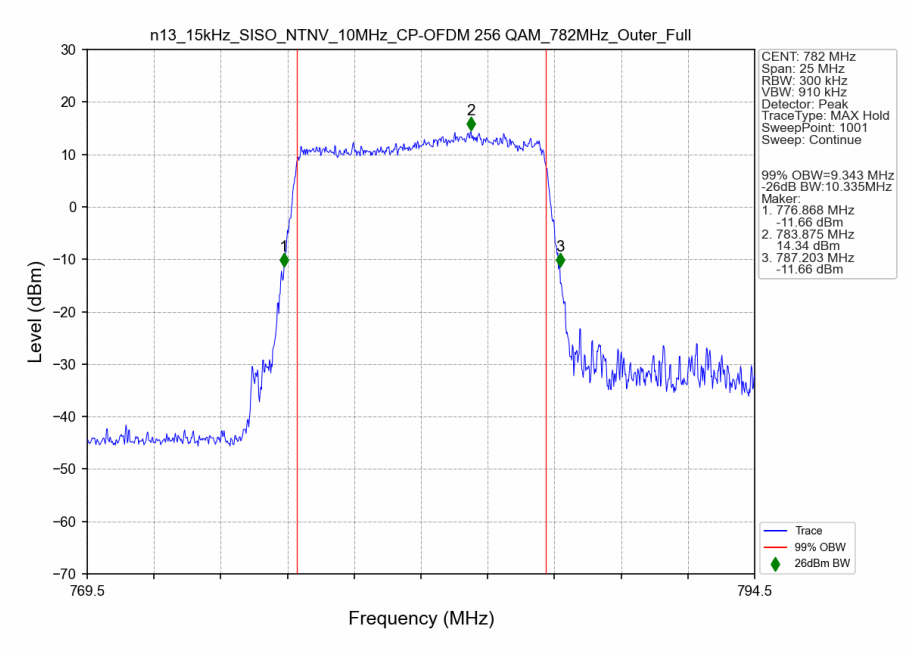
n13_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_782MHz_Outer_Full_Ant1



n13_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_782MHz_Outer_Full_Ant1



n13_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_782MHz_Outer_Full_Ant1



4. Peak-Average Ratio

4.1 Test Result

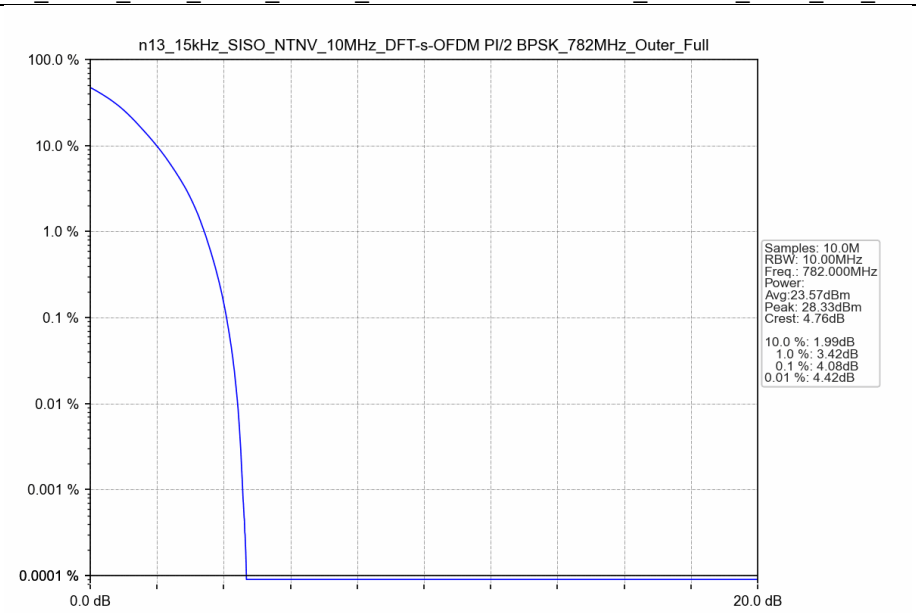
4.1.1 15k_SISO_10MHz_NTNV

5G NR n13 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	782	Outer_Full	4.08	/	/	<=13	Pass
DFT-s-OFDM QPSK	782	Outer_Full	4.68	/	/	<=13	Pass
CP-OFDM QPSK	782	Outer_Full	6.68	/	/	<=13	Pass

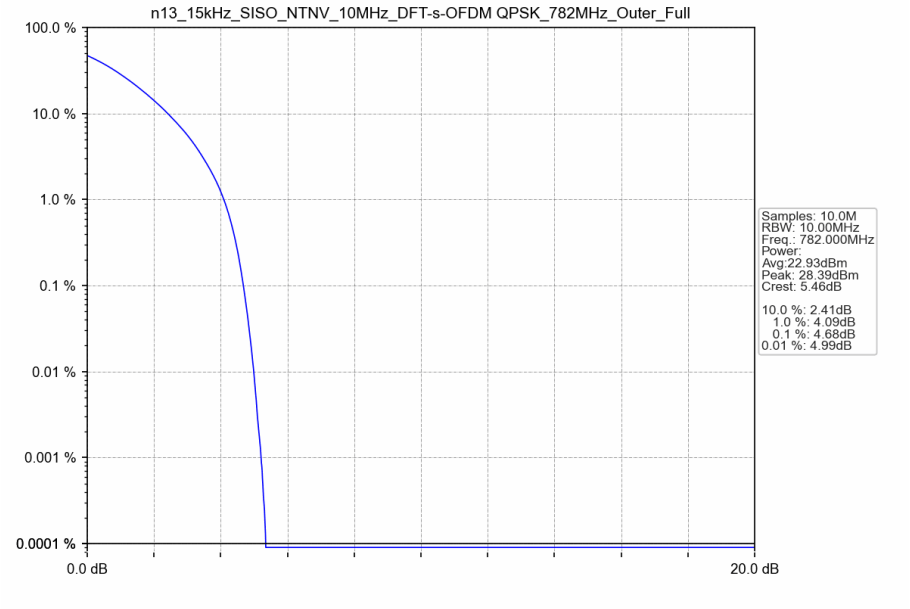
4.2 Test Graph

4.2.1 15k_SISO_10MHz_NTNV

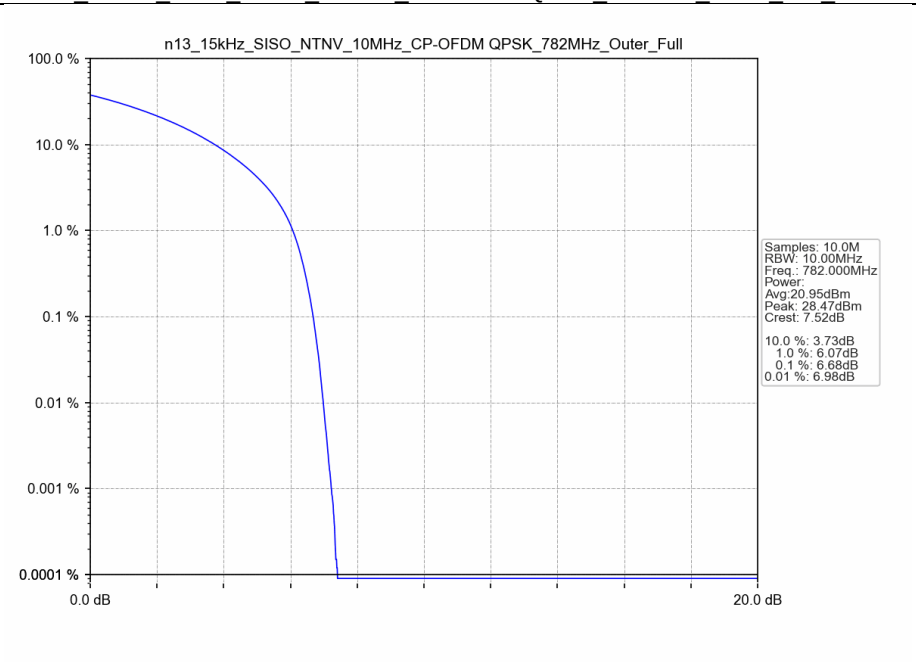
n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Outer_Full_Ant1



n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_782MHz_Outer_Full_Ant1



n13_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_782MHz_Outer_Full_Ant1



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n13 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	779.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	782	Edge_1RB_Left	Refer To Test Graph				Pass
	784.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	779.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	782	Edge_1RB_Left	Refer To Test Graph				Pass
	784.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	779.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	782	Edge_1RB_Left	Refer To Test Graph				Pass
	784.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

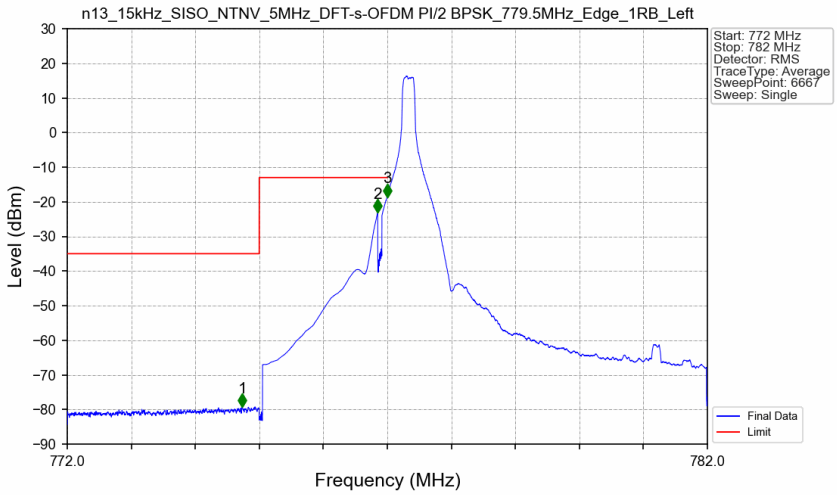
5.1.2 15k_SISO_10MHz_NTNV

5G NR n13 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	782	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	782	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	782	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

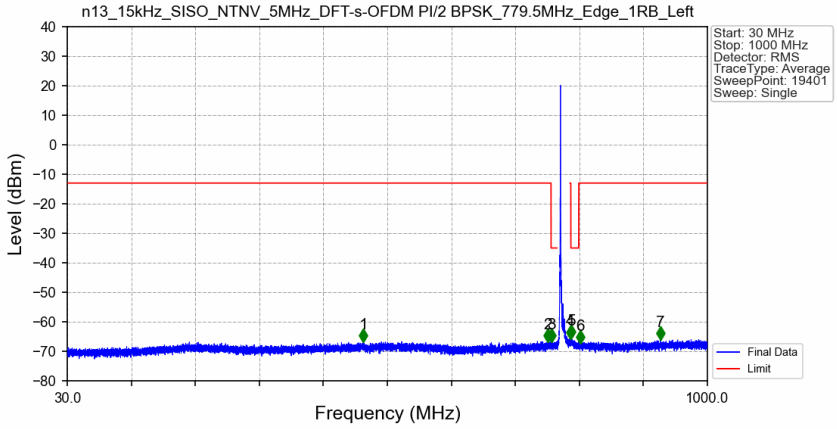
5.2.1 15k_SISO_5MHz_NTNV

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_779.5MHz_Edge_1RB_Left_Ant1



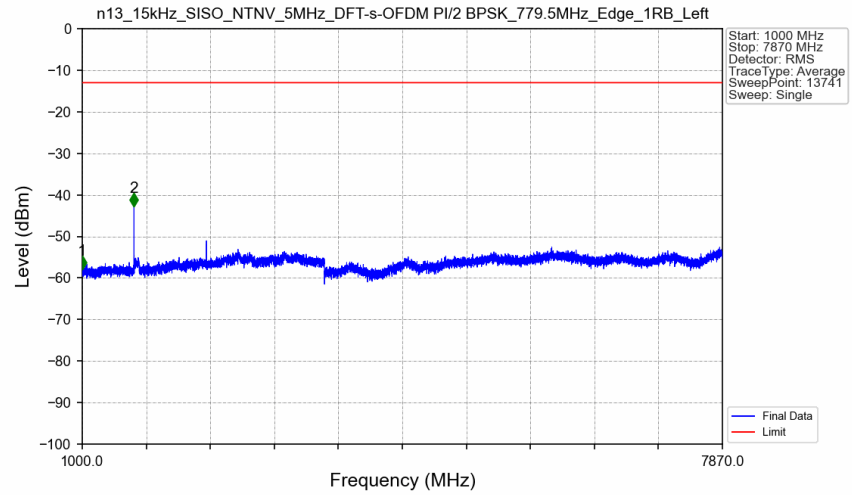
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.732	-79.23	-35	Pass
775	776.9	0.1	CHP	2	776.850	-23.15	-13	Pass
776.9	777	0.03	CHP	3	776.999	-18.57	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_779.5MHz_Edge_1RB_Left_Ant1



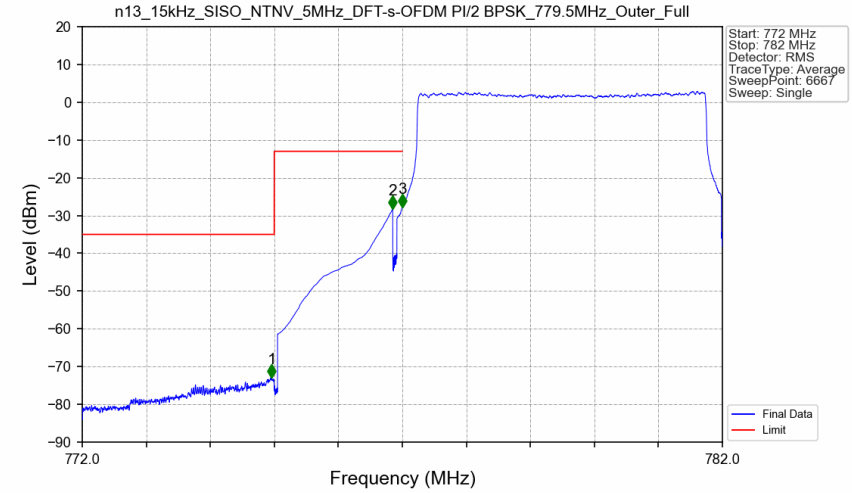
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	478.700	-66.59	-13	Pass
758	763	0.1	/	2	758.300	-66.61	-13	Pass
763	775	0.1	/	3	764.350	-66.51	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.350	-65.39	-13	Pass
793	805	0.1	/	5	793.050	-65.30	-35	Pass
805	810	0.1	/	6	807.250	-66.98	-13	Pass
810	1000	0.1	/	7	928.950	-65.73	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_779.5MHz_Edge_1RB_Left_Ant1



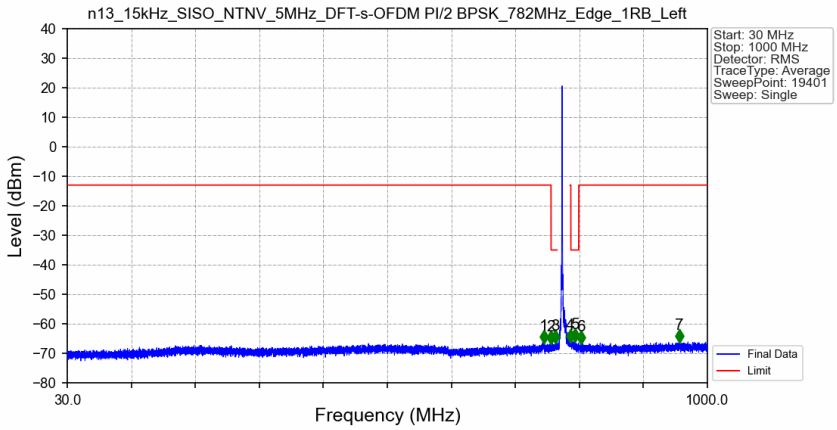
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-57.94	-13	Pass
1000	7870	1	/	2	1555.000	-42.82	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_779.5MHz_Outer_Full_Ant1



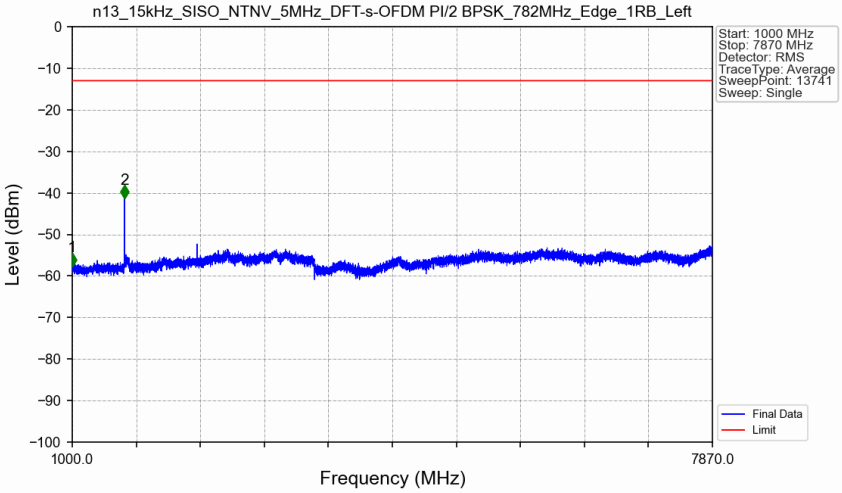
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.957	-72.95	-35	Pass
775	776.9	0.1	CHP	2	776.850	-28.20	-13	Pass
776.9	777	0.03	CHP	3	776.999	-27.80	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Edge_1RB_Left_Ant1



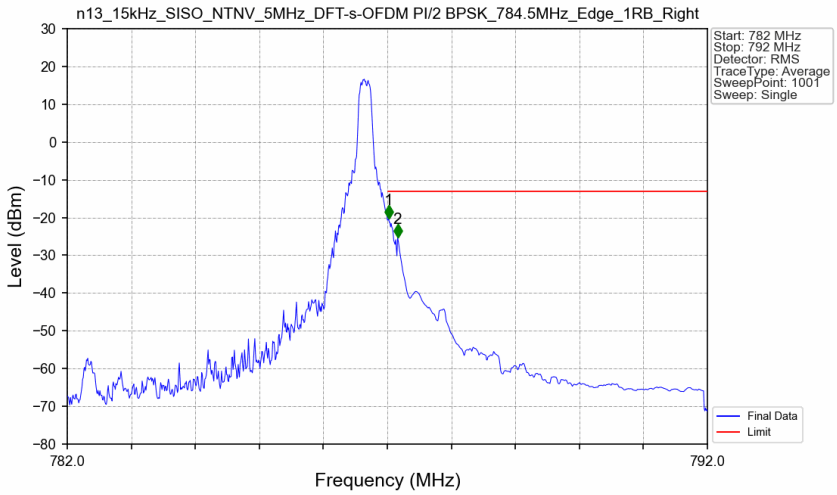
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.150	-66.31	-13	Pass
758	763	0.1	/	2	762.700	-66.48	-13	Pass
763	775	0.1	/	3	769.800	-66.35	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.050	-65.97	-13	Pass
793	805	0.1	/	5	799.200	-65.74	-35	Pass
805	810	0.1	/	6	808.550	-66.61	-13	Pass
810	1000	0.1	/	7	957.550	-66.10	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Edge_1RB_Left_Ant1



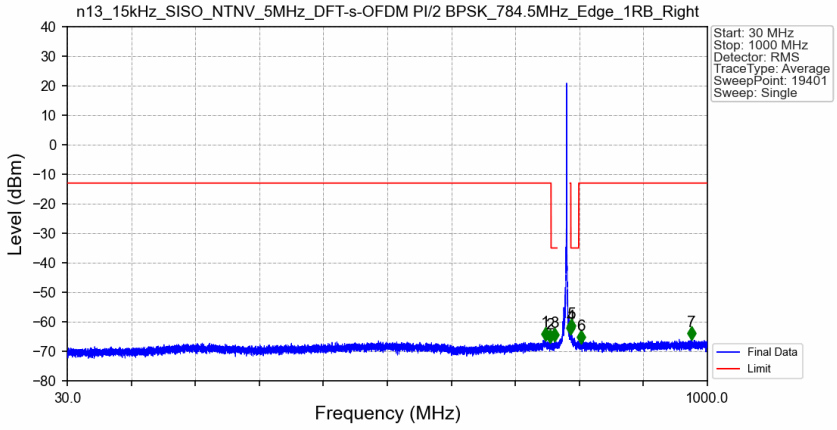
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-57.60	-13	Pass
1000	7870	1	/	2	1560.000	-41.32	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_784.5MHz_Edge_1RB_Right_Ant1



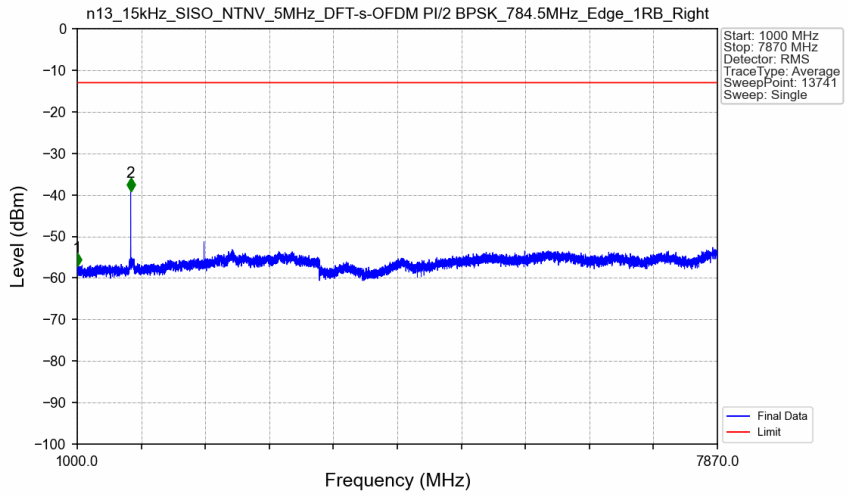
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.020	-20.20	-13	Pass
787.1	792	0.1	CHP	2	787.160	-25.24	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_784.5MHz_Edge_1RB_Right_Ant1



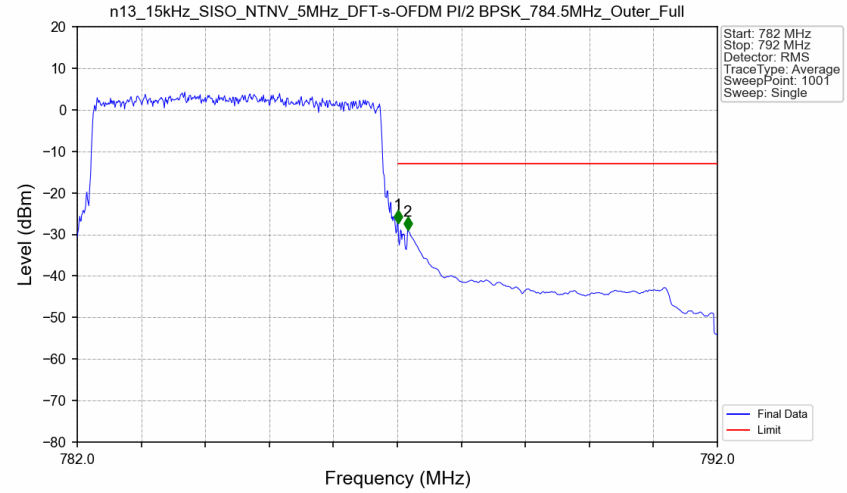
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	754.350	-65.93	-13	Pass
758	763	0.1	/	2	762.000	-66.69	-13	Pass
763	775	0.1	/	3	768.550	-66.19	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.850	-63.86	-13	Pass
793	805	0.1	/	5	793.050	-63.08	-35	Pass
805	810	0.1	/	6	808.550	-67.09	-13	Pass
810	1000	0.1	/	7	976.250	-65.78	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_784.5MHz_Edge_1RB_Right_Ant1



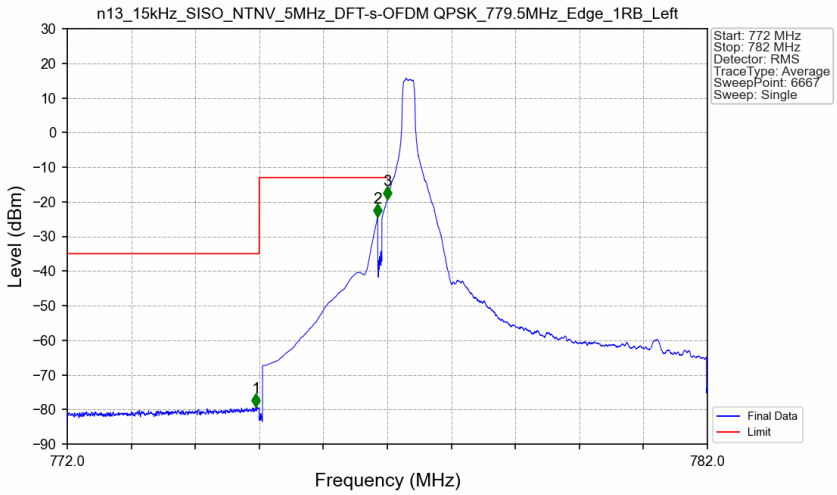
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-57.15	-13	Pass
1000	7870	1	/	2	1573.500	-39.19	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_784.5MHz_Outer_Full_Ant1



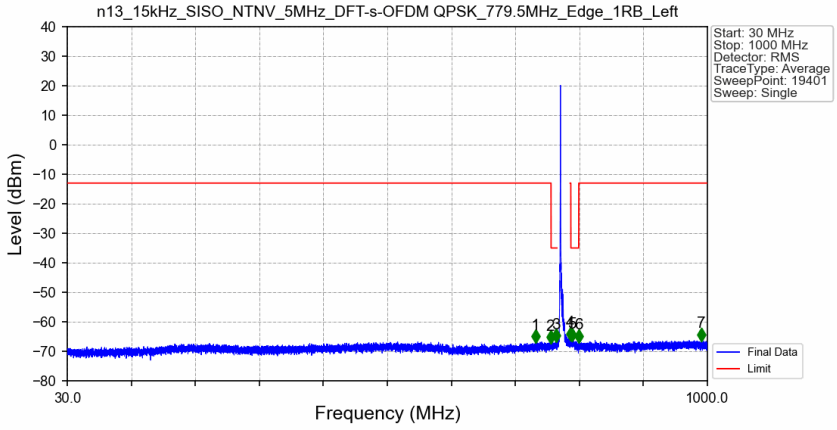
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.010	-27.33	-13	Pass
787.1	792	0.1	CHP	2	787.160	-28.87	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_779.5MHz_Edge_1RB_Left_Ant1



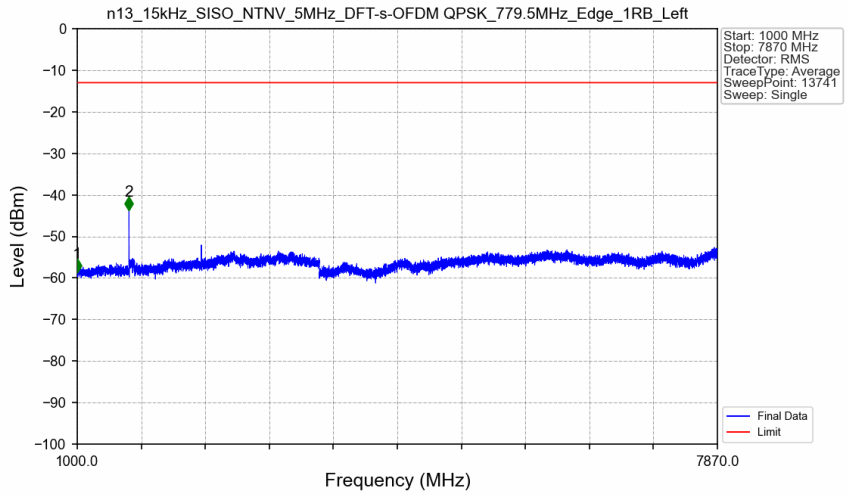
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.948	-79.31	-35	Pass
775	776.9	0.1	CHP	2	776.850	-24.32	-13	Pass
776.9	777	0.03	CHP	3	776.999	-19.37	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_779.5MHz_Edge_1RB_Left_Ant1



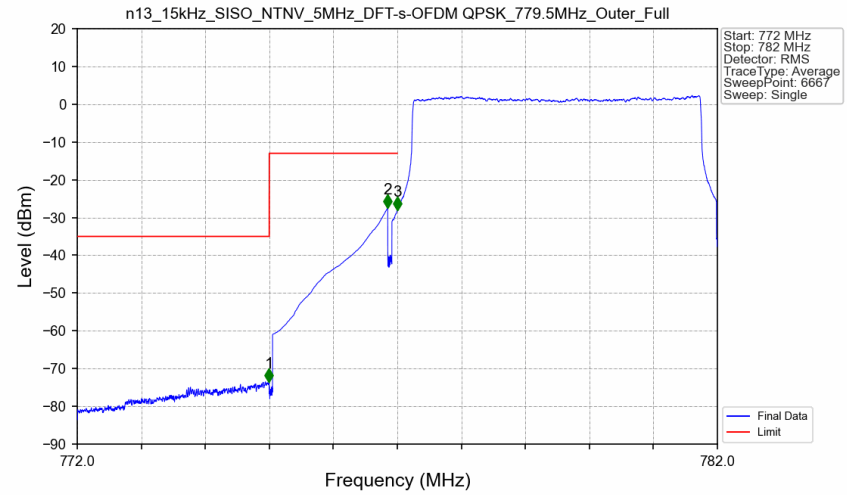
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	739.700	-66.79	-13	Pass
758	763	0.1	/	2	762.150	-67.02	-13	Pass
763	775	0.1	/	3	770.900	-66.62	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.350	-65.93	-13	Pass
793	805	0.1	/	5	794.550	-66.26	-35	Pass
805	810	0.1	/	6	805.050	-66.70	-13	Pass
810	1000	0.1	/	7	991.100	-66.14	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_779.5MHz_Edge_1RB_Left_Ant1



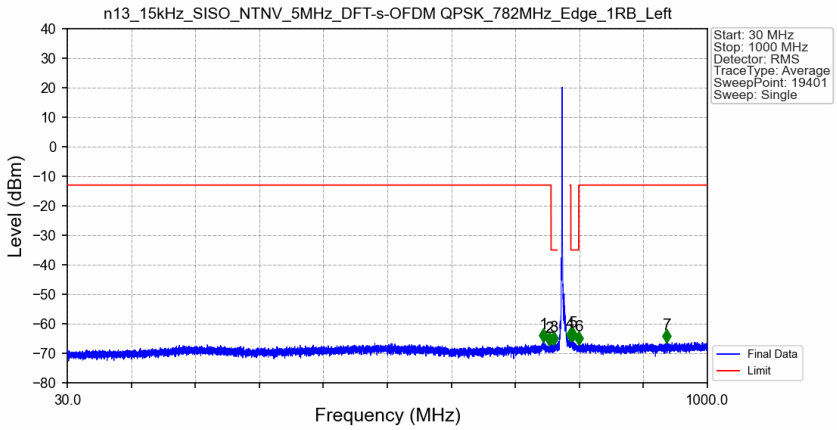
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-58.61	-13	Pass
1000	7870	1	/	2	1555.000	-43.68	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_779.5MHz_Outer_Full_Ant1



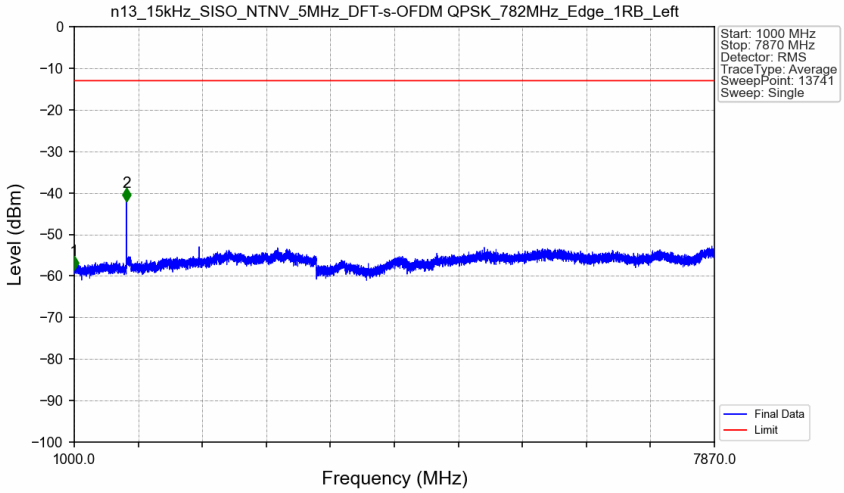
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.996	-73.45	-35	Pass
775	776.9	0.1	CHP	2	776.850	-27.45	-13	Pass
776.9	777	0.03	CHP	3	776.999	-28.08	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



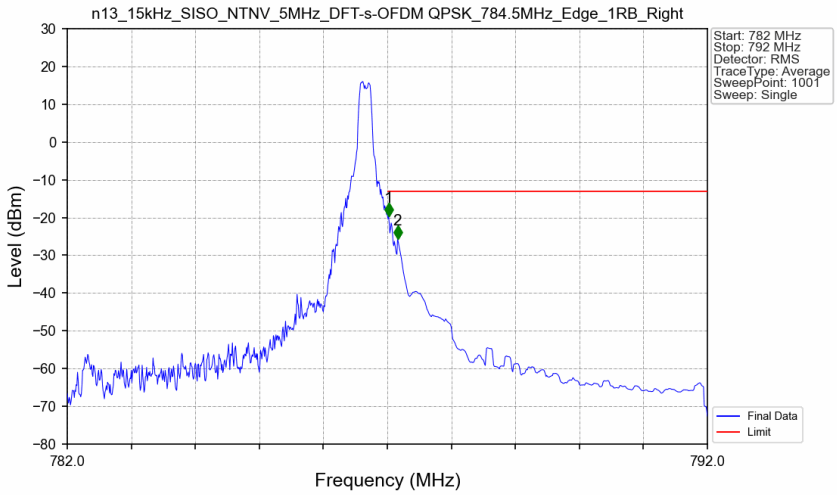
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	751.700	-65.77	-13	Pass
758	763	0.1	/	2	760.300	-67.07	-13	Pass
763	775	0.1	/	3	767.150	-66.81	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.200	-65.58	-13	Pass
793	805	0.1	/	5	796.100	-65.40	-35	Pass
805	810	0.1	/	6	805.550	-66.68	-13	Pass
810	1000	0.1	/	7	938.600	-66.05	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



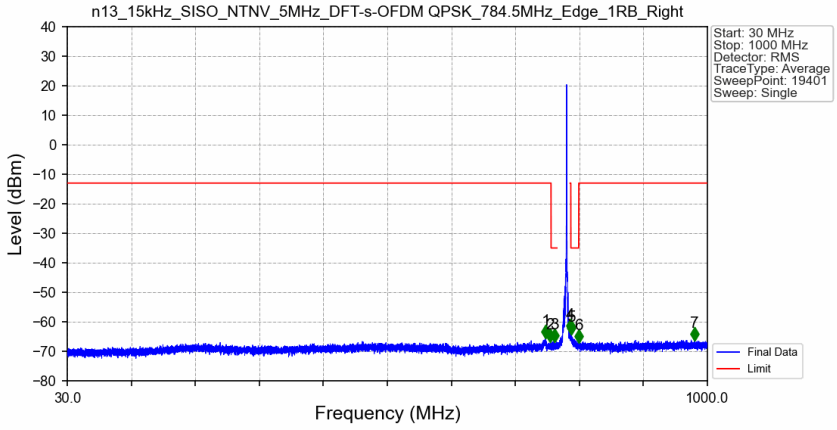
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-58.42	-13	Pass
1000	7870	1	/	2	1560.000	-42.02	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_784.5MHz_Edge_1RB_Right_Ant1



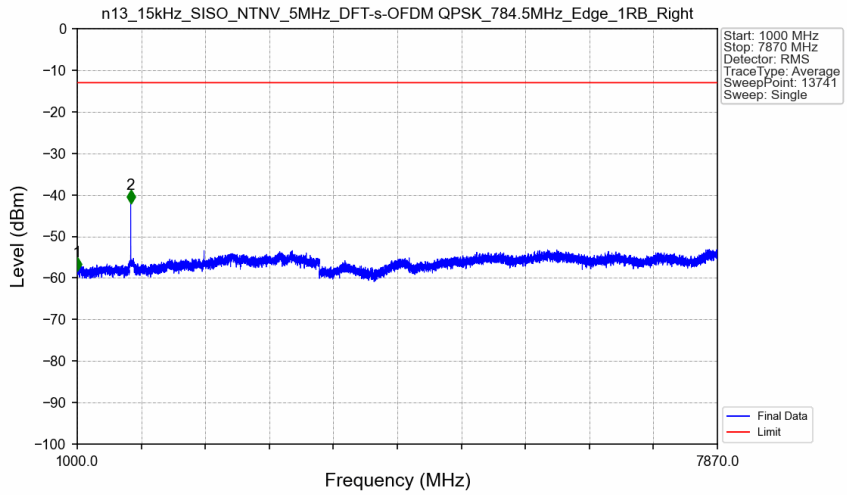
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.020	-19.61	-13	Pass
787.1	792	0.1	CHP	2	787.160	-25.55	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_784.5MHz_Edge_1RB_Right_Ant1



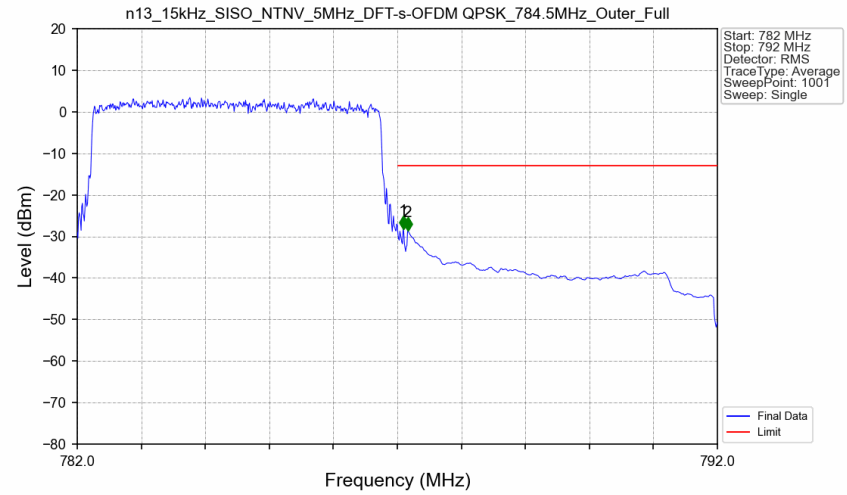
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	754.750	-65.18	-13	Pass
758	763	0.1	/	2	762.000	-66.56	-13	Pass
763	775	0.1	/	3	768.900	-66.59	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.250	-63.30	-13	Pass
793	805	0.1	/	5	793.050	-63.93	-35	Pass
805	810	0.1	/	6	805.500	-66.83	-13	Pass
810	1000	0.1	/	7	980.500	-66.02	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_784.5MHz_Edge_1RB_Right_Ant1



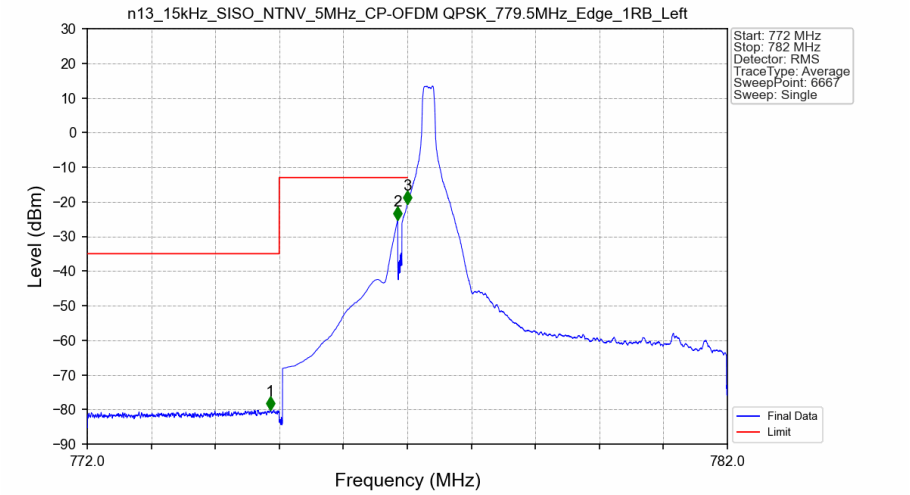
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-58.28	-13	Pass
1000	7870	1	/	2	1573.500	-41.97	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_784.5MHz_Outer_Full_Ant1



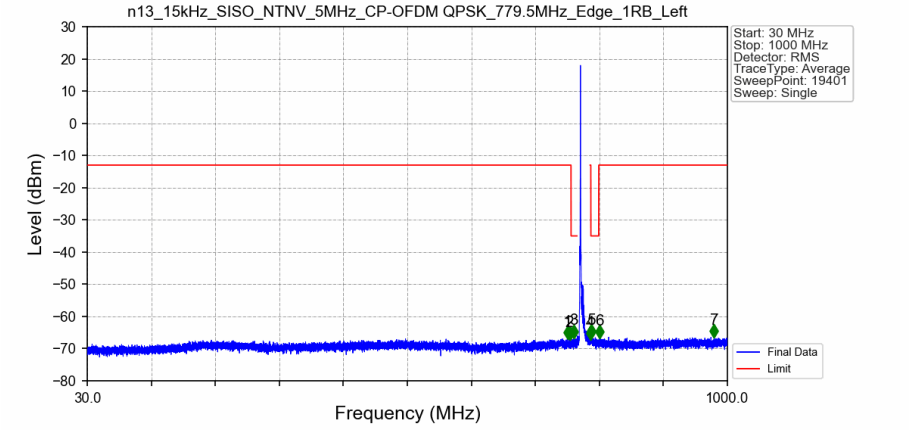
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.090	-28.17	-13	Pass
787.1	792	0.1	CHP	2	787.160	-28.66	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_779.5MHz_Edge_1RB_Left_Ant1



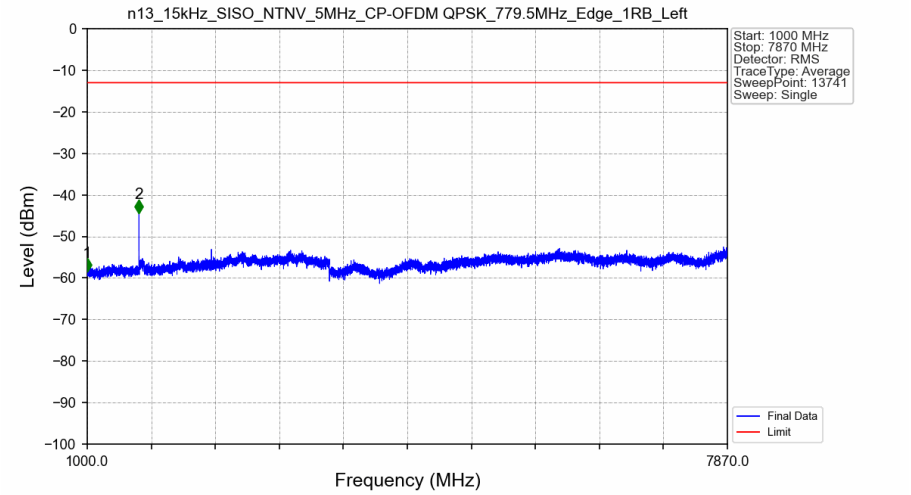
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.855	-80.09	-35	Pass
775	776.9	0.1	CHP	2	776.850	-25.29	-13	Pass
776.9	777	0.03	CHP	3	776.999	-20.70	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_779.5MHz_Edge_1RB_Left_Ant1



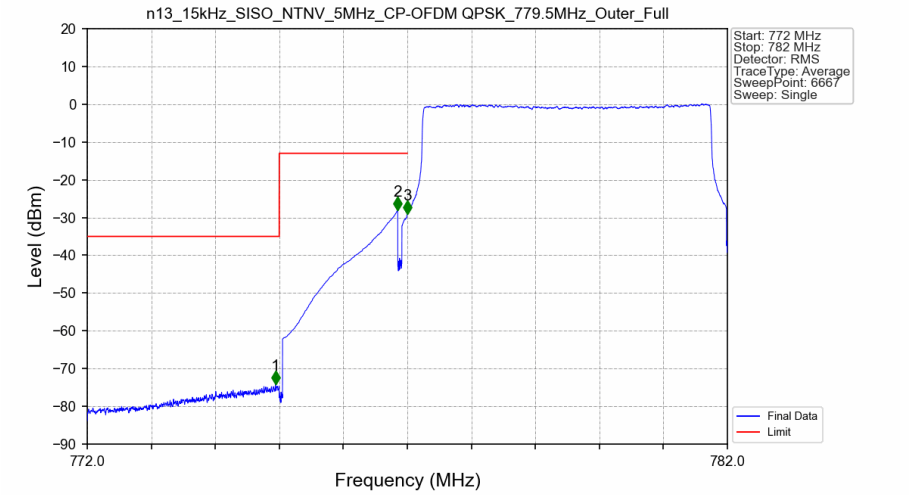
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	757.800	-66.75	-13	Pass
758	763	0.1	/	2	761.150	-66.91	-13	Pass
763	775	0.1	/	3	767.550	-66.38	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.400	-66.97	-13	Pass
793	805	0.1	/	5	793.300	-66.28	-35	Pass
805	810	0.1	/	6	806.350	-66.49	-13	Pass
810	1000	0.1	/	7	979.850	-66.30	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_779.5MHz_Edge_1RB_Left_Ant1



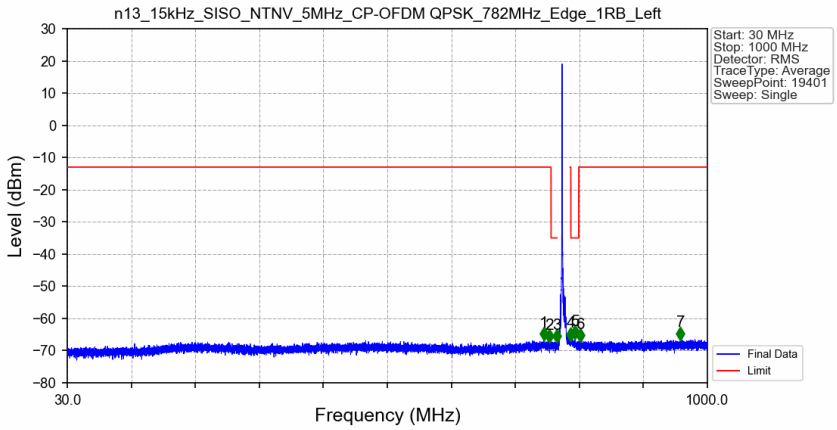
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-58.49	-13	Pass
1000	7870	1	/	2	1555.000	-44.30	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_779.5MHz_Outer_Full_Ant1



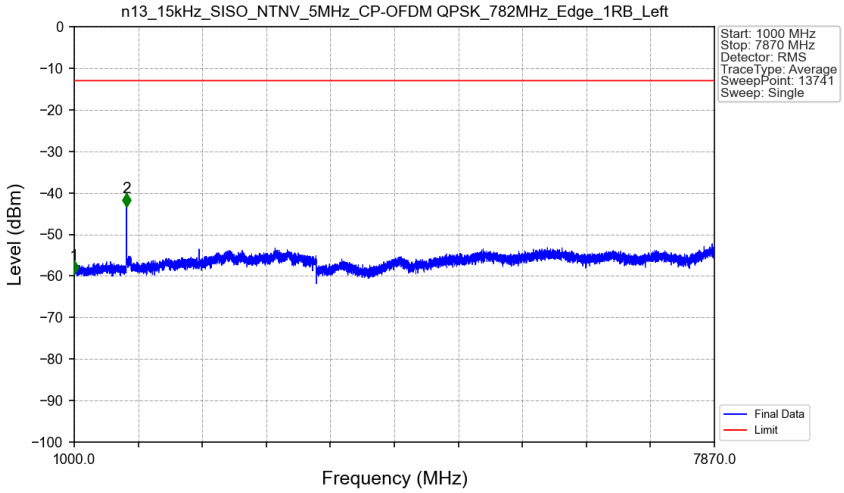
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.939	-74.08	-35	Pass
775	776.9	0.1	CHP	2	776.850	-28.08	-13	Pass
776.9	777	0.03	CHP	3	776.999	-29.06	-13	Pass
777	782	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



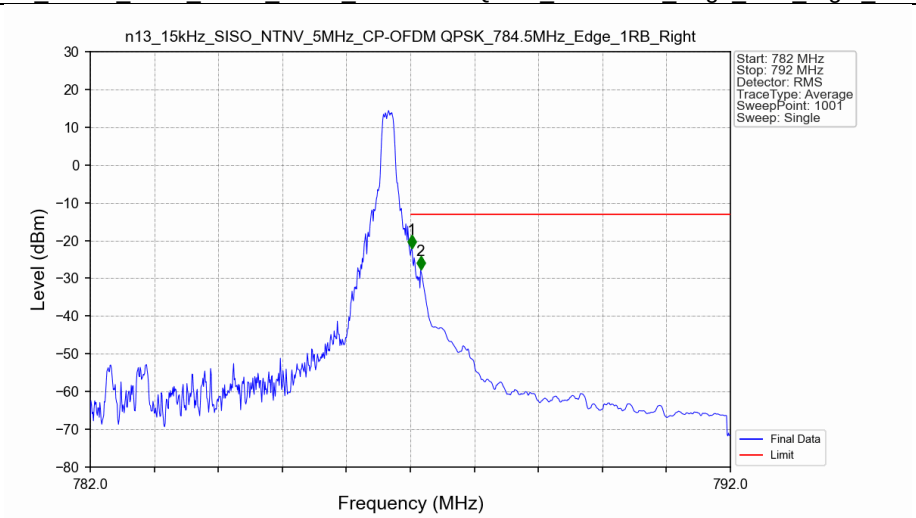
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.050	-66.56	-13	Pass
758	763	0.1	/	2	760.550	-67.13	-13	Pass
763	775	0.1	/	3	771.300	-67.23	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.950	-66.62	-13	Pass
793	805	0.1	/	5	798.900	-65.95	-35	Pass
805	810	0.1	/	6	806.900	-66.95	-13	Pass
810	1000	0.1	/	7	959.250	-66.36	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



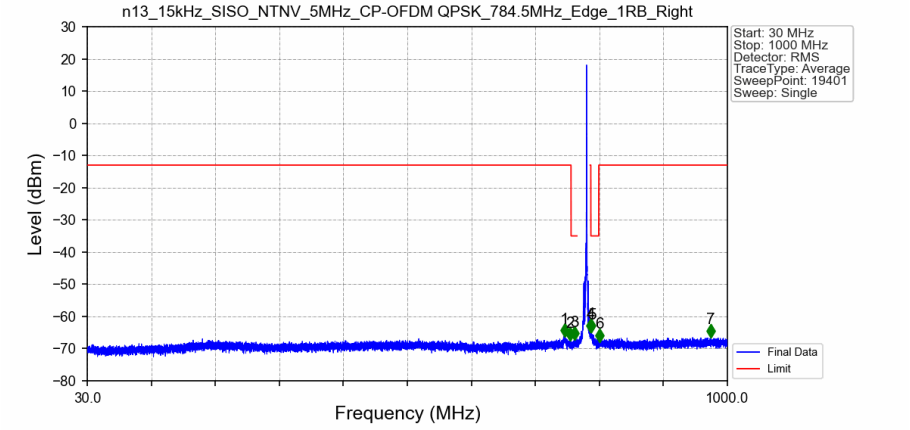
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-59.48	-13	Pass
1000	7870	1	/	2	1560.000	-43.36	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_784.5MHz_Edge_1RB_Right_Ant1



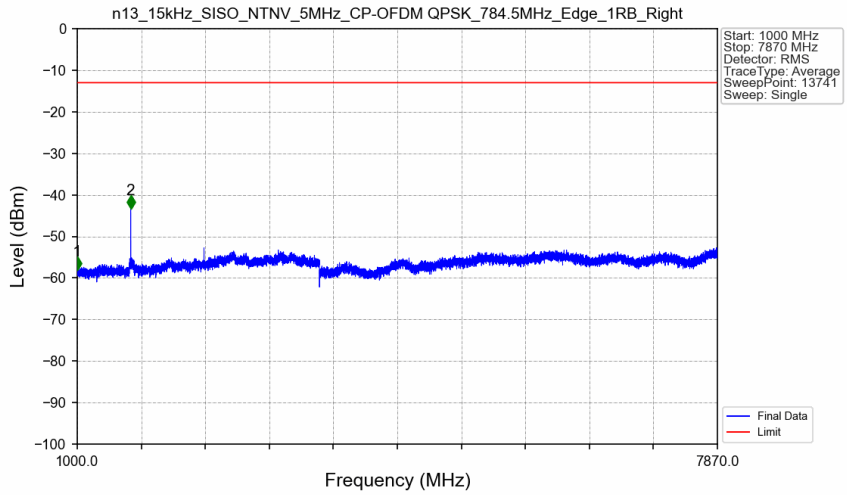
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.020	-22.07	-13	Pass
787.1	792	0.1	CHP	2	787.160	-27.73	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_784.5MHz_Edge_1RB_Right_Ant1



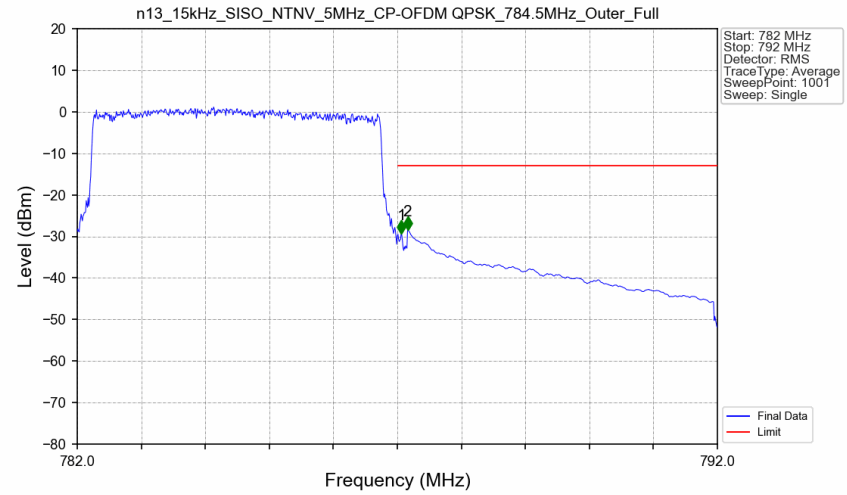
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.950	-66.08	-13	Pass
758	763	0.1	/	2	761.950	-67.26	-13	Pass
763	775	0.1	/	3	768.300	-66.99	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.550	-64.49	-13	Pass
793	805	0.1	/	5	794.150	-64.54	-35	Pass
805	810	0.1	/	6	806.750	-67.55	-13	Pass
810	1000	0.1	/	7	975.100	-66.13	-13	Pass

n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_784.5MHz_Edge_1RB_Right_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-58.03	-13	Pass
1000	7870	1	/	2	1573.500	-43.35	-13	Pass

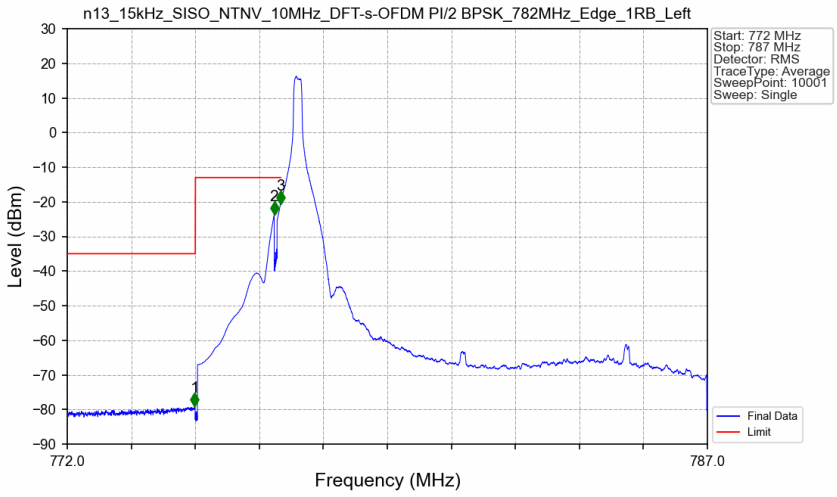
n13_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_784.5MHz_Outer_Full_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
782	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.060	-29.28	-13	Pass
787.1	792	0.1	CHP	2	787.160	-28.45	-13	Pass

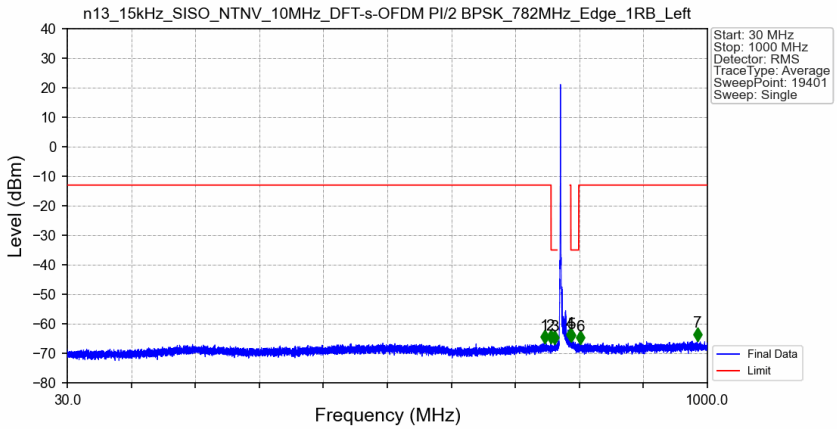
5.2.2 15k_SISO_10MHz_NTNV

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Edge_1RB_Left_Ant1



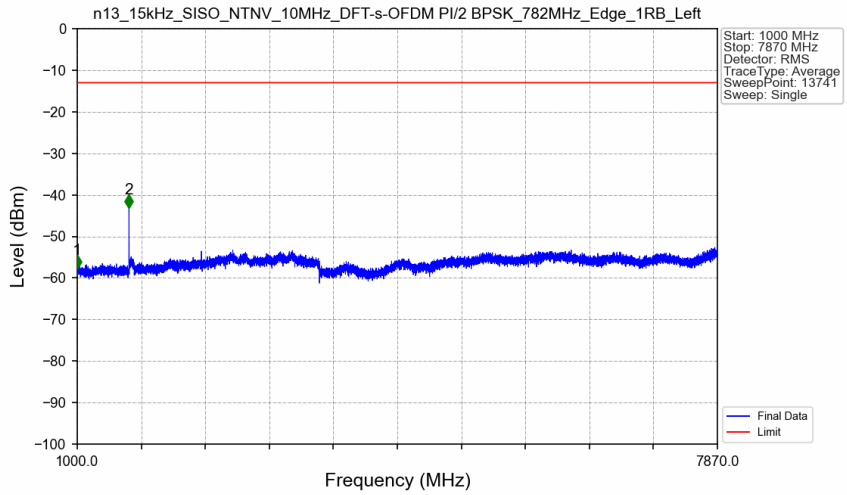
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.986	-79.00	-35	Pass
775	776.9	0.1	CHP	2	776.850	-23.78	-13	Pass
776.9	777	0.03	CHP	3	777.000	-20.59	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Edge_1RB_Left_Ant1



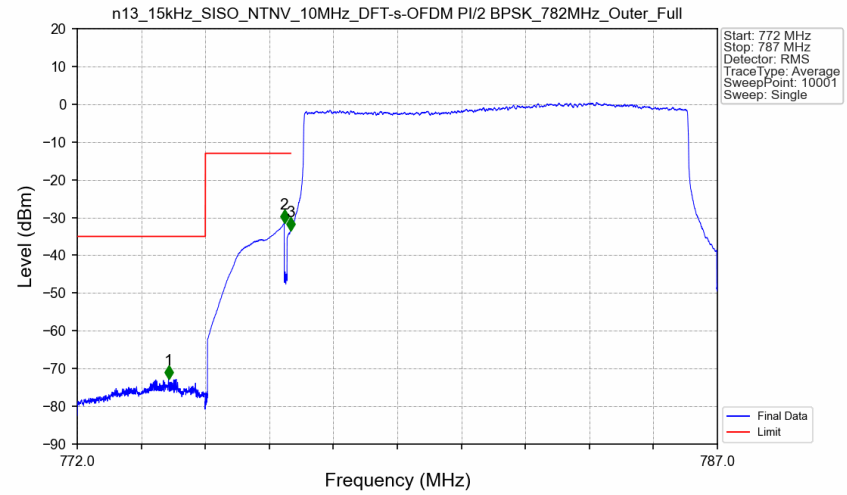
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.950	-66.35	-13	Pass
758	763	0.1	/	2	762.150	-66.31	-13	Pass
763	775	0.1	/	3	767.900	-66.57	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.450	-65.53	-13	Pass
793	805	0.1	/	5	793.250	-65.82	-35	Pass
805	810	0.1	/	6	807.900	-66.55	-13	Pass
810	1000	0.1	/	7	984.700	-65.41	-13	Pass

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Edge_1RB_Left_Ant1



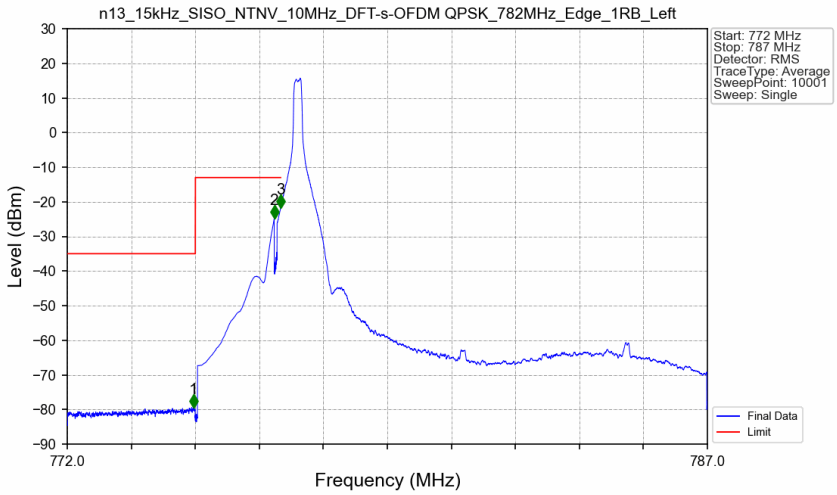
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-57.73	-13	Pass
1000	7870	1	/	2	1555.000	-43.05	-13	Pass

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_782MHz_Outer_Full_Ant1



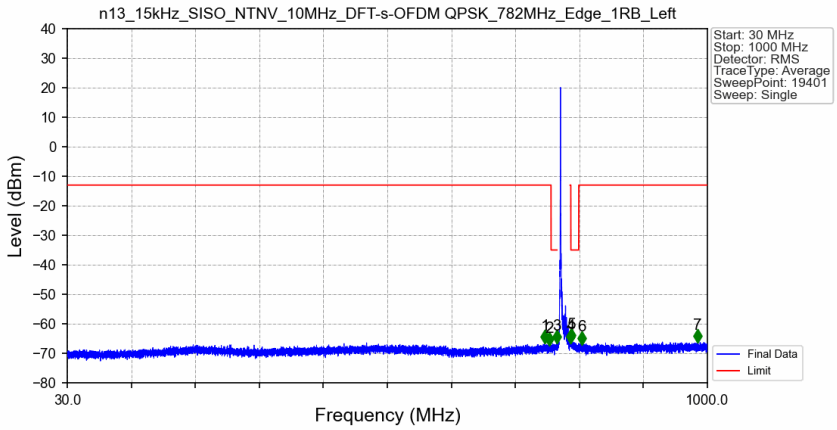
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.138	-72.74	-35	Pass
775	776.9	0.1	CHP	2	776.850	-31.46	-13	Pass
776.9	777	0.03	CHP	3	777.000	-33.36	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



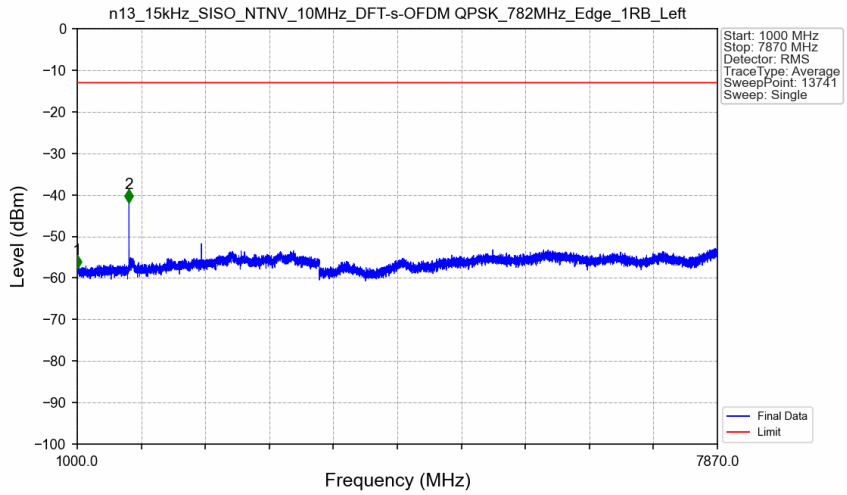
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.960	-79.34	-35	Pass
775	776.9	0.1	CHP	2	776.850	-24.84	-13	Pass
776.9	777	0.03	CHP	3	777.000	-21.70	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



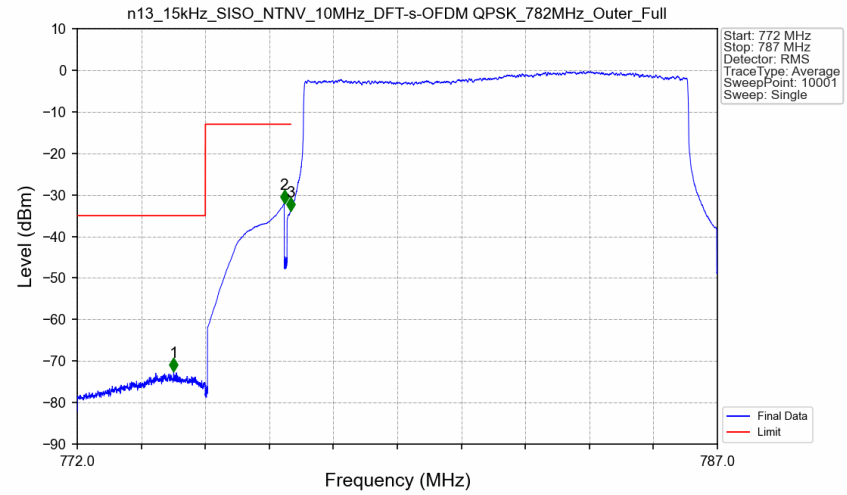
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	753.750	-66.35	-13	Pass
758	763	0.1	/	2	760.250	-67.02	-13	Pass
763	775	0.1	/	3	771.300	-66.34	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.850	-66.21	-13	Pass
793	805	0.1	/	5	793.500	-65.71	-35	Pass
805	810	0.1	/	6	809.600	-66.68	-13	Pass
810	1000	0.1	/	7	985.150	-66.07	-13	Pass

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



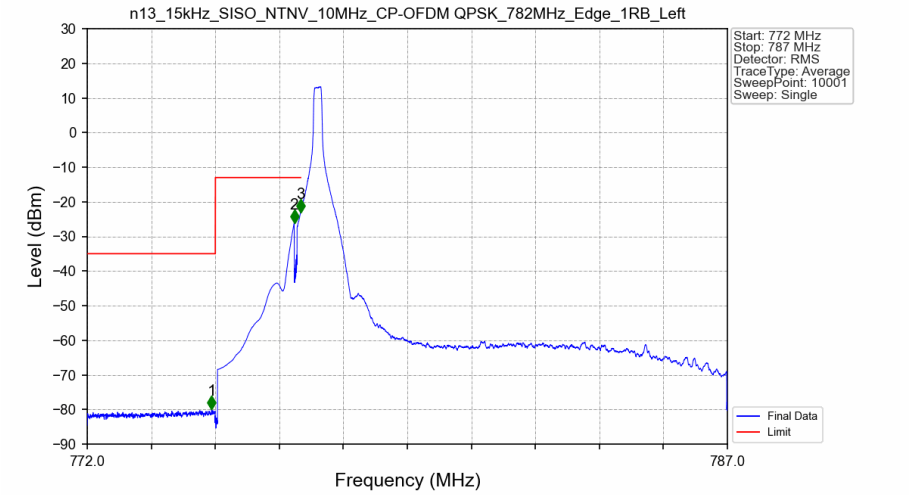
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-57.64	-13	Pass
1000	7870	1	/	2	1555.000	-41.84	-13	Pass

n13_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_782MHz_Outer_Full_Ant1



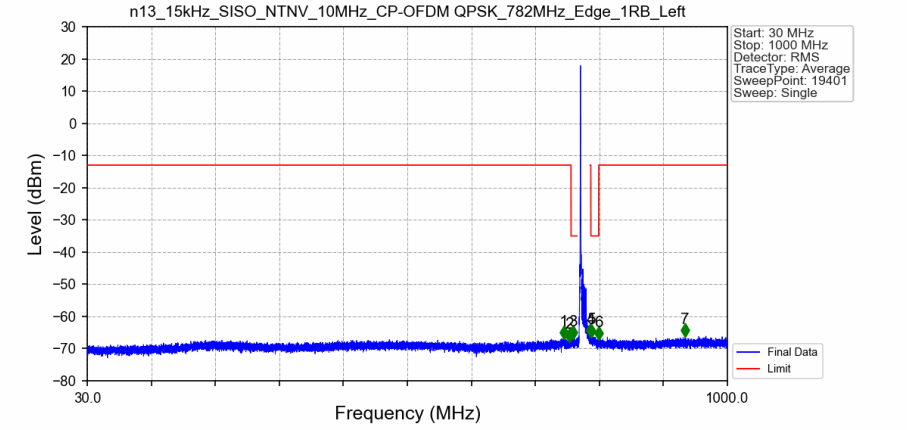
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.258	-72.41	-35	Pass
775	776.9	0.1	CHP	2	776.850	-31.99	-13	Pass
776.9	777	0.03	CHP	3	777.000	-33.88	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



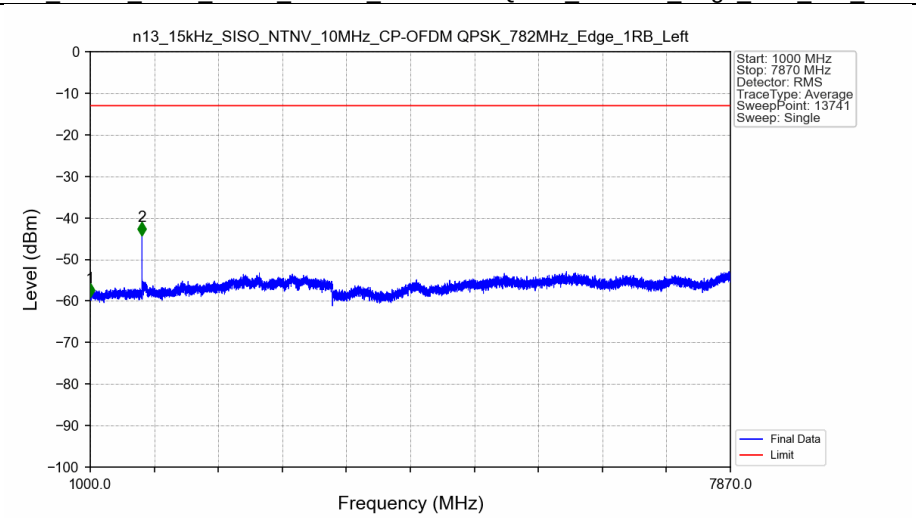
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.914	-79.80	-35	Pass
775	776.9	0.1	CHP	2	776.850	-26.04	-13	Pass
776.9	777	0.03	CHP	3	777.000	-23.12	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

n13_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



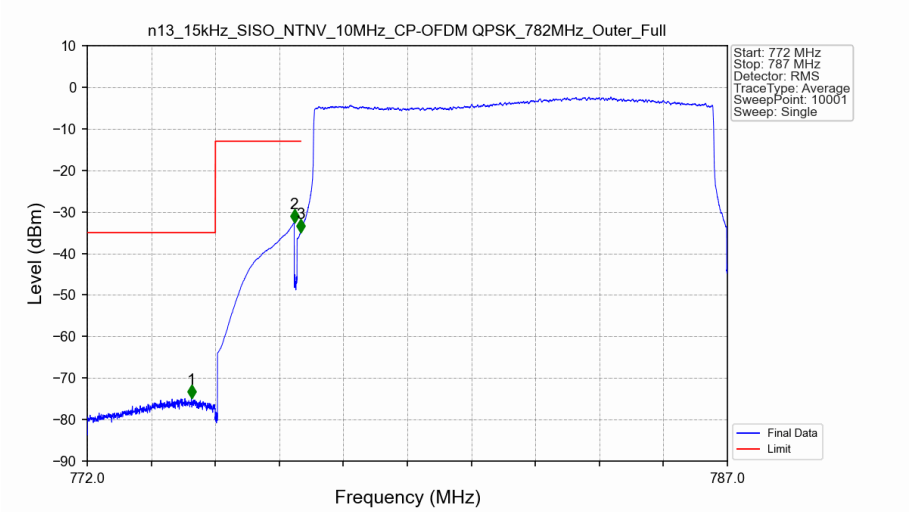
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	/	1	752.200	-66.78	-13	Pass
758	763	0.1	/	2	760.200	-67.55	-13	Pass
763	775	0.1	/	3	765.700	-66.81	-35	Pass
775	792	0.1	/	/	/	/	/	/
792	793	0.1	/	4	792.750	-65.98	-13	Pass
793	805	0.1	/	5	793.050	-66.11	-35	Pass
805	810	0.1	/	6	805.550	-66.91	-13	Pass
810	1000	0.1	/	7	936.000	-66.07	-13	Pass

n13_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_782MHz_Edge_1RB_Left_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-59.04	-13	Pass
1000	7870	1	/	2	1555.000	-44.14	-13	Pass

n13_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_782MHz_Outer_Full_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	CHP	1	774.441	-74.81	-35	Pass
775	776.9	0.1	CHP	2	776.850	-32.59	-13	Pass
776.9	777	0.03	CHP	3	777.000	-34.92	-13	Pass
777	787	0.03	CHP	/	/	/	/	/

6. Field Strength of Spurious Radiation

NR N13-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1555.0	-64.19	-13	-51.19	-67.33	2.6	5.74	Horizontal	Pass
2332.5	-61.78	-13	-48.78	-64.24	2.96	5.42	Horizontal	Pass
3110.0	-59.53	-13	-46.53	-63.53	3.2	7.2	Horizontal	Pass
1555.0	-65.88	-13	-52.88	-69.02	2.6	5.74	Vertical	Pass
2332.5	-62.8	-13	-49.8	-65.26	2.96	5.42	Vertical	Pass
3110.0	-59.23	-13	-46.23	-63.23	3.2	7.2	Vertical	Pass