

1. Transmitter Conducted Power Output

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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	816.5	Edge 1RB Left	22.63	/	/	12.08	/	/	<=50	Pass
		Edge 1RB Right	22.69	/	/	12.14	/	/	<=50	Pass
		Outer Full	22.86	/	/	12.31	/	/	<=50	Pass
		Inner Full	22.76	/	/	12.21	/	/	<=50	Pass
		Inner 1RB Left	22.65	/	/	12.10	/	/	<=50	Pass
		Inner 1RB Right	22.68	/	/	12.13	/	/	<=50	Pass
	819	Edge 1RB Left	22.71	/	/	12.16	/	/	<=50	Pass
		Edge 1RB Right	22.68	/	/	12.13	/	/	<=50	Pass
		Outer Full	22.78	/	/	12.23	/	/	<=50	Pass
		Inner Full	22.73	/	/	12.18	/	/	<=50	Pass
		Inner 1RB Left	22.71	/	/	12.16	/	/	<=50	Pass
		Inner 1RB Right	22.64	/	/	12.09	/	/	<=50	Pass
	821.5	Edge 1RB Left	22.59	/	/	12.04	/	/	<=50	Pass
		Edge 1RB Right	22.61	/	/	12.06	/	/	<=50	Pass
		Outer Full	22.74	/	/	12.19	/	/	<=50	Pass
		Inner Full	22.76	/	/	12.21	/	/	<=50	Pass
		Inner 1RB Left	22.62	/	/	12.07	/	/	<=50	Pass
		Inner 1RB Right	22.66	/	/	12.11	/	/	<=50	Pass
DFT-s-OFDM 16 QAM	816.5	Edge 1RB Left	22.49	/	/	11.94	/	/	<=50	Pass
		Edge 1RB Right	22.52	/	/	11.97	/	/	<=50	Pass
		Outer Full	22.77	/	/	12.22	/	/	<=50	Pass
		Inner Full	22.72	/	/	12.17	/	/	<=50	Pass
		Inner 1RB Left	22.58	/	/	12.03	/	/	<=50	Pass
		Inner 1RB Right	22.58	/	/	12.03	/	/	<=50	Pass
	819	Edge 1RB Left	22.54	/	/	11.99	/	/	<=50	Pass
		Edge 1RB Right	22.55	/	/	12.00	/	/	<=50	Pass
		Outer Full	22.78	/	/	12.23	/	/	<=50	Pass
		Inner Full	22.66	/	/	12.11	/	/	<=50	Pass
		Inner 1RB Left	22.57	/	/	12.02	/	/	<=50	Pass
		Inner 1RB Right	22.93	/	/	12.38	/	/	<=50	Pass
	821.5	Edge 1RB Left	22.46	/	/	11.91	/	/	<=50	Pass
		Edge 1RB Right	22.71	/	/	12.17	/	/	<=50	Pass
		Outer Full	22.69	/	/	12.14	/	/	<=50	Pass
		Inner Full	22.68	/	/	12.13	/	/	<=50	Pass
		Inner 1RB Left	22.53	/	/	11.98	/	/	<=50	Pass
		Inner 1RB Right	22.53	/	/	11.98	/	/	<=50	Pass
DFT-s-OFDM 64 QAM	816.5	Edge 1RB Left	22.99	/	/	12.44	/	/	<=50	Pass
		Edge 1RB Right	23.22	/	/	12.67	/	/	<=50	Pass
		Outer Full	22.69	/	/	12.14	/	/	<=50	Pass
		Inner Full	22.70	/	/	12.15	/	/	<=50	Pass
		Inner 1RB Left	22.95	/	/	12.40	/	/	<=50	Pass
		Inner 1RB Right	22.84	/	/	12.29	/	/	<=50	Pass
	819	Edge 1RB Left	23.10	/	/	12.55	/	/	<=50	Pass
		Edge 1RB Right	23.28	/	/	12.73	/	/	<=50	Pass
		Outer Full	22.64	/	/	12.09	/	/	<=50	Pass
		Inner Full	22.69	/	/	12.14	/	/	<=50	Pass
		Inner 1RB Left	23.16	/	/	12.61	/	/	<=50	Pass

	821.5	Inner_1RB_Right	22.93	/	/	12.38	/	/	<=50	Pass
		Edge_1RB_Left	23.18	/	/	12.63	/	/	<=50	Pass
		Edge_1RB_Right	23.20	/	/	12.65	/	/	<=50	Pass
		Outer_Full	22.61	/	/	12.06	/	/	<=50	Pass
		Inner_Full	22.67	/	/	12.12	/	/	<=50	Pass
		Inner_1RB_Left	23.22	/	/	12.67	/	/	<=50	Pass
		Inner_1RB_Right	23.16	/	/	12.61	/	/	<=50	Pass
DFT-s-OFDM 256 QAM	816.5	Edge_1RB_Left	22.04	/	/	11.49	/	/	<=50	Pass
		Edge_1RB_Right	22.07	/	/	11.52	/	/	<=50	Pass
		Outer_Full	22.25	/	/	11.70	/	/	<=50	Pass
		Inner_Full	22.18	/	/	11.63	/	/	<=50	Pass
		Inner_1RB_Left	22.06	/	/	11.51	/	/	<=50	Pass
		Inner_1RB_Right	22.10	/	/	11.55	/	/	<=50	Pass
	819	Edge_1RB_Left	22.15	/	/	11.60	/	/	<=50	Pass
		Edge_1RB_Right	22.10	/	/	11.55	/	/	<=50	Pass
		Outer_Full	22.23	/	/	11.68	/	/	<=50	Pass
		Inner_Full	22.23	/	/	11.68	/	/	<=50	Pass
		Inner_1RB_Left	22.23	/	/	11.68	/	/	<=50	Pass
		Inner_1RB_Right	22.13	/	/	11.58	/	/	<=50	Pass
	821.5	Edge_1RB_Left	21.97	/	/	11.42	/	/	<=50	Pass
		Edge_1RB_Right	22.06	/	/	11.51	/	/	<=50	Pass
		Outer_Full	22.17	/	/	11.62	/	/	<=50	Pass
		Inner_Full	22.15	/	/	11.60	/	/	<=50	Pass
		Inner_1RB_Left	22.15	/	/	11.60	/	/	<=50	Pass
		Inner_1RB_Right	22.04	/	/	11.49	/	/	<=50	Pass
CP-OFDM QPSK	816.5	Edge_1RB_Left	22.59	/	/	12.04	/	/	<=50	Pass
		Edge_1RB_Right	22.67	/	/	12.12	/	/	<=50	Pass
		Outer_Full	22.76	/	/	12.21	/	/	<=50	Pass
		Inner_Full	22.85	/	/	12.30	/	/	<=50	Pass
		Inner_1RB_Left	22.57	/	/	12.02	/	/	<=50	Pass
		Inner_1RB_Right	22.67	/	/	12.12	/	/	<=50	Pass
	819	Edge_1RB_Left	22.58	/	/	12.03	/	/	<=50	Pass
		Edge_1RB_Right	22.67	/	/	12.12	/	/	<=50	Pass
		Outer_Full	22.73	/	/	12.18	/	/	<=50	Pass
		Inner_Full	22.84	/	/	12.29	/	/	<=50	Pass
		Inner_1RB_Left	22.66	/	/	12.11	/	/	<=50	Pass
		Inner_1RB_Right	22.72	/	/	12.17	/	/	<=50	Pass
	821.5	Edge_1RB_Left	22.60	/	/	12.05	/	/	<=50	Pass
		Edge_1RB_Right	22.64	/	/	12.09	/	/	<=50	Pass
		Outer_Full	22.74	/	/	12.19	/	/	<=50	Pass
		Inner_Full	22.83	/	/	12.28	/	/	<=50	Pass
		Inner_1RB_Left	22.57	/	/	12.02	/	/	<=50	Pass
		Inner_1RB_Right	22.61	/	/	12.06	/	/	<=50	Pass
CP-OFDM 16 QAM	816.5	Edge_1RB_Left	22.64	/	/	12.09	/	/	<=50	Pass
		Edge_1RB_Right	22.71	/	/	12.16	/	/	<=50	Pass
		Outer_Full	22.81	/	/	12.26	/	/	<=50	Pass
		Inner_Full	22.69	/	/	12.14	/	/	<=50	Pass
		Inner_1RB_Left	22.67	/	/	12.12	/	/	<=50	Pass
		Inner_1RB_Right	22.70	/	/	12.15	/	/	<=50	Pass
	819	Edge_1RB_Left	22.64	/	/	12.09	/	/	<=50	Pass
		Edge_1RB_Right	22.70	/	/	12.15	/	/	<=50	Pass
		Outer_Full	22.82	/	/	12.27	/	/	<=50	Pass
		Inner_Full	22.68	/	/	12.13	/	/	<=50	Pass
		Inner_1RB_Left	22.70	/	/	12.15	/	/	<=50	Pass
		Inner_1RB_Right	22.73	/	/	12.18	/	/	<=50	Pass
	821.5	Edge_1RB_Left	22.63	/	/	12.08	/	/	<=50	Pass
		Edge_1RB_Right	22.63	/	/	12.08	/	/	<=50	Pass
		Outer_Full	22.74	/	/	12.19	/	/	<=50	Pass
		Inner_Full	22.68	/	/	12.13	/	/	<=50	Pass

		Inner 1RB Left	22.69	/	/	12.14	/	/	<=50	Pass	
		Inner 1RB Right	22.66	/	/	12.11	/	/	<=50	Pass	
CP-OFDM 64 QAM	816.5	Edge 1RB Left	22.86	/	/	12.31	/	/	<=50	Pass	
		Edge 1RB Right	23.05	/	/	12.50	/	/	<=50	Pass	
		Outer Full	22.72	/	/	12.17	/	/	<=50	Pass	
		Inner Full	22.68	/	/	12.13	/	/	<=50	Pass	
		Inner 1RB Left	22.96	/	/	12.41	/	/	<=50	Pass	
		Inner 1RB Right	22.96	/	/	12.41	/	/	<=50	Pass	
		Edge 1RB Left	22.96	/	/	12.41	/	/	<=50	Pass	
		Edge 1RB Right	23.09	/	/	12.54	/	/	<=50	Pass	
	819	Outer Full	22.68	/	/	12.13	/	/	<=50	Pass	
		Inner Full	22.70	/	/	12.15	/	/	<=50	Pass	
		Inner 1RB Left	23.00	/	/	12.45	/	/	<=50	Pass	
		Inner 1RB Right	23.12	/	/	12.57	/	/	<=50	Pass	
		Edge 1RB Left	22.78	/	/	12.23	/	/	<=50	Pass	
		Edge 1RB Right	22.99	/	/	12.44	/	/	<=50	Pass	
	821.5	Outer Full	22.65	/	/	12.10	/	/	<=50	Pass	
		Inner Full	22.64	/	/	12.09	/	/	<=50	Pass	
		Inner 1RB Left	23.02	/	/	12.47	/	/	<=50	Pass	
		Inner 1RB Right	23.15	/	/	12.60	/	/	<=50	Pass	
Edge 1RB Left		22.04	/	/	11.49	/	/	<=50	Pass		
Edge 1RB Right		22.06	/	/	11.51	/	/	<=50	Pass		
CP-OFDM 256 QAM	816.5	Outer Full	22.21	/	/	11.66	/	/	<=50	Pass	
		Inner Full	22.18	/	/	11.63	/	/	<=50	Pass	
		Inner 1RB Left	22.07	/	/	11.52	/	/	<=50	Pass	
		Inner 1RB Right	22.05	/	/	11.50	/	/	<=50	Pass	
		Edge 1RB Left	22.01	/	/	11.46	/	/	<=50	Pass	
		Edge 1RB Right	22.12	/	/	11.57	/	/	<=50	Pass	
	819	Outer Full	22.23	/	/	11.68	/	/	<=50	Pass	
		Inner Full	22.23	/	/	11.68	/	/	<=50	Pass	
		Inner 1RB Left	22.11	/	/	11.56	/	/	<=50	Pass	
		Inner 1RB Right	22.12	/	/	11.57	/	/	<=50	Pass	
		Edge 1RB Left	21.97	/	/	11.42	/	/	<=50	Pass	
		Edge 1RB Right	22.05	/	/	11.50	/	/	<=50	Pass	
	821.5	Outer Full	22.17	/	/	11.62	/	/	<=50	Pass	
		Inner Full	22.15	/	/	11.60	/	/	<=50	Pass	
		Inner 1RB Left	22.02	/	/	11.47	/	/	<=50	Pass	
		Inner 1RB Right	22.06	/	/	11.51	/	/	<=50	Pass	
		Note1: Antenna Gain: Ant0: -8.40dBi;									
		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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	819	Edge 1RB Left	22.77	/	/	12.22	/	/	<=50	Pass
		Edge 1RB Right	22.74	/	/	12.19	/	/	<=50	Pass
		Outer Full	22.77	/	/	12.22	/	/	<=50	Pass
		Inner Full	22.74	/	/	12.19	/	/	<=50	Pass
		Inner 1RB Left	22.82	/	/	12.27	/	/	<=50	Pass
		Inner 1RB Right	22.71	/	/	12.16	/	/	<=50	Pass
DFT-s-OFDM 16 QAM	819	Edge 1RB Left	22.77	/	/	12.22	/	/	<=50	Pass
		Edge 1RB Right	22.58	/	/	12.03	/	/	<=50	Pass
		Outer Full	22.66	/	/	12.11	/	/	<=50	Pass
		Inner Full	22.80	/	/	12.25	/	/	<=50	Pass
		Inner 1RB Left	22.69	/	/	12.14	/	/	<=50	Pass
		Inner 1RB Right	22.59	/	/	12.04	/	/	<=50	Pass

DFT-s-OFDM 64 QAM	819	Edge 1RB Left	22.97	/	/	12.42	/	/	<=50	Pass
		Edge 1RB Right	23.21	/	/	12.67	/	/	<=50	Pass
		Outer_Full	22.68	/	/	12.13	/	/	<=50	Pass
		Inner_Full	22.69	/	/	12.14	/	/	<=50	Pass
		Inner 1RB Left	23.15	/	/	12.60	/	/	<=50	Pass
		Inner 1RB Right	23.18	/	/	12.63	/	/	<=50	Pass
DFT-s-OFDM 256 QAM	819	Edge 1RB Left	22.13	/	/	11.58	/	/	<=50	Pass
		Edge 1RB Right	22.13	/	/	11.58	/	/	<=50	Pass
		Outer_Full	22.21	/	/	11.67	/	/	<=50	Pass
		Inner_Full	22.13	/	/	11.58	/	/	<=50	Pass
		Inner 1RB Left	22.17	/	/	11.62	/	/	<=50	Pass
		Inner 1RB Right	22.14	/	/	11.59	/	/	<=50	Pass
CP-OFDM QPSK	819	Edge 1RB Left	22.70	/	/	12.15	/	/	<=50	Pass
		Edge 1RB Right	22.72	/	/	12.17	/	/	<=50	Pass
		Outer_Full	22.79	/	/	12.24	/	/	<=50	Pass
		Inner_Full	22.71	/	/	12.16	/	/	<=50	Pass
		Inner 1RB Left	22.77	/	/	12.22	/	/	<=50	Pass
		Inner 1RB Right	22.71	/	/	12.16	/	/	<=50	Pass
CP-OFDM 16 QAM	819	Edge 1RB Left	22.75	/	/	12.20	/	/	<=50	Pass
		Edge 1RB Right	22.77	/	/	12.22	/	/	<=50	Pass
		Outer_Full	22.68	/	/	12.13	/	/	<=50	Pass
		Inner_Full	22.74	/	/	12.19	/	/	<=50	Pass
		Inner 1RB Left	22.81	/	/	12.26	/	/	<=50	Pass
		Inner 1RB Right	22.72	/	/	12.17	/	/	<=50	Pass
CP-OFDM 64 QAM	819	Edge 1RB Left	22.99	/	/	12.44	/	/	<=50	Pass
		Edge 1RB Right	23.10	/	/	12.55	/	/	<=50	Pass
		Outer_Full	22.68	/	/	12.13	/	/	<=50	Pass
		Inner_Full	22.73	/	/	12.18	/	/	<=50	Pass
		Inner 1RB Left	23.04	/	/	12.49	/	/	<=50	Pass
		Inner 1RB Right	23.08	/	/	12.53	/	/	<=50	Pass
CP-OFDM 256 QAM	819	Edge 1RB Left	22.27	/	/	11.72	/	/	<=50	Pass
		Edge 1RB Right	22.18	/	/	11.63	/	/	<=50	Pass
		Outer_Full	22.19	/	/	11.64	/	/	<=50	Pass
		Inner_Full	22.42	/	/	11.87	/	/	<=50	Pass
		Inner 1RB Left	22.43	/	/	11.88	/	/	<=50	Pass
		Inner 1RB Right	22.45	/	/	11.90	/	/	<=50	Pass
Note1: Antenna Gain: Ant0: -8.40dBi; 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	-0.54	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-4.05	-0.0049	>=-2.5 & <=2.5	Pass
			-30	NV	-1.43	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-2.88	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-3.49	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-2.12	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-3.16	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	-3.81	-0.0047	>=-2.5 & <=2.5	Pass
			30	NV	-3.89	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-2.89	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-1.23	-0.0015	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15_S_5M_NTNV

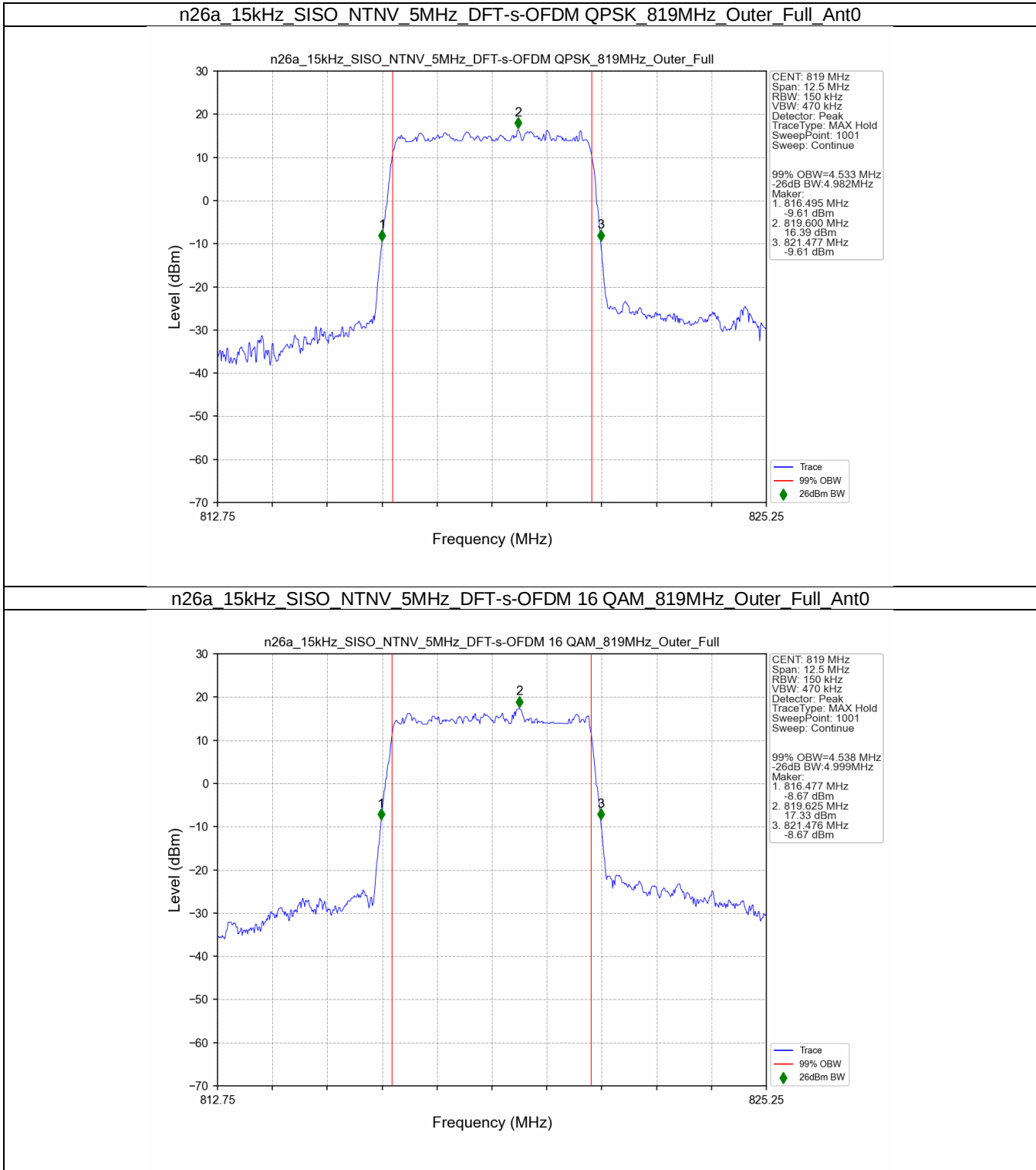
5G NR n26a SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	819	Outer_Full	4.53	4.98	/	Pass
DFT-s-OFDM 16 QAM	819	Outer_Full	4.54	5.00	/	Pass
DFT-s-OFDM 64 QAM	819	Outer_Full	4.54	5.02	/	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	4.55	4.97	/	Pass
CP-OFDM QPSK	819	Outer_Full	4.53	5.01	/	Pass
CP-OFDM 16 QAM	819	Outer_Full	4.55	5.00	/	Pass
CP-OFDM 64 QAM	819	Outer_Full	4.53	4.98	/	Pass
CP-OFDM 256 QAM	819	Outer_Full	4.55	4.97	/	Pass

3.1.2 15_S_10M_NTNV

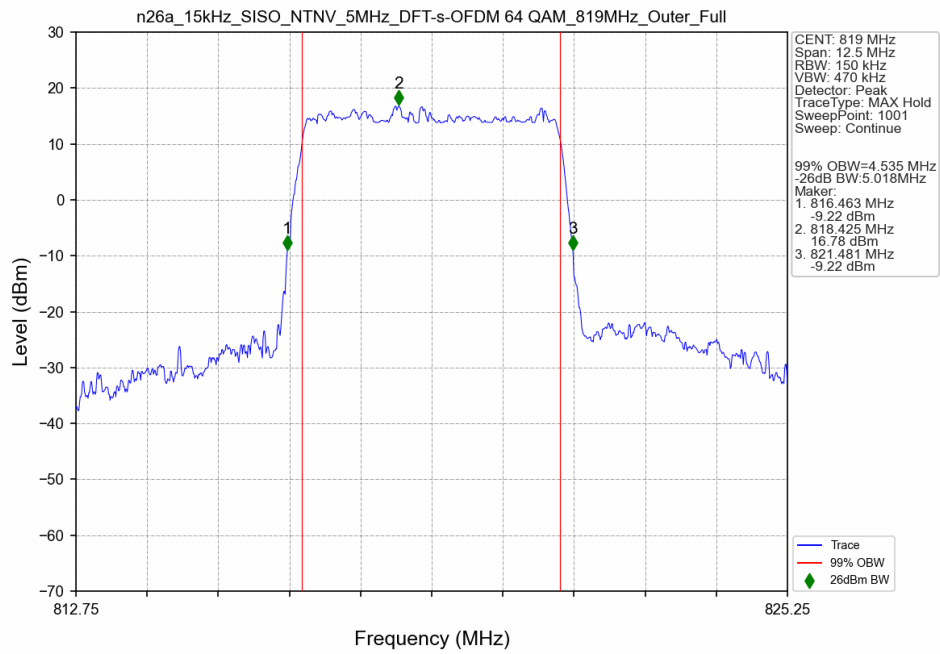
5G NR n26a SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	819	Outer_Full	9.03	9.72	/	Pass
DFT-s-OFDM 16 QAM	819	Outer_Full	9.02	9.75	/	Pass
DFT-s-OFDM 64 QAM	819	Outer_Full	9.00	9.75	/	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	9.00	9.70	/	Pass
CP-OFDM QPSK	819	Outer_Full	9.35	10.06	/	Pass
CP-OFDM 16 QAM	819	Outer_Full	9.35	10.10	/	Pass
CP-OFDM 64 QAM	819	Outer_Full	9.38	10.09	/	Pass
CP-OFDM 256 QAM	819	Outer_Full	9.35	10.04	/	Pass

3.2 Test Graph

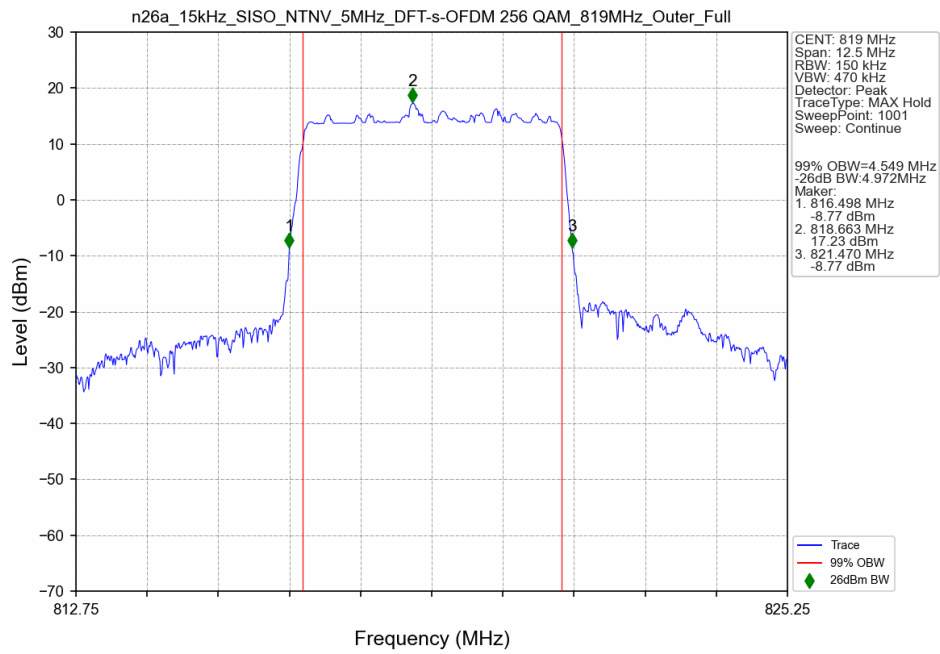
3.2.1 15_S_5M_NTNV



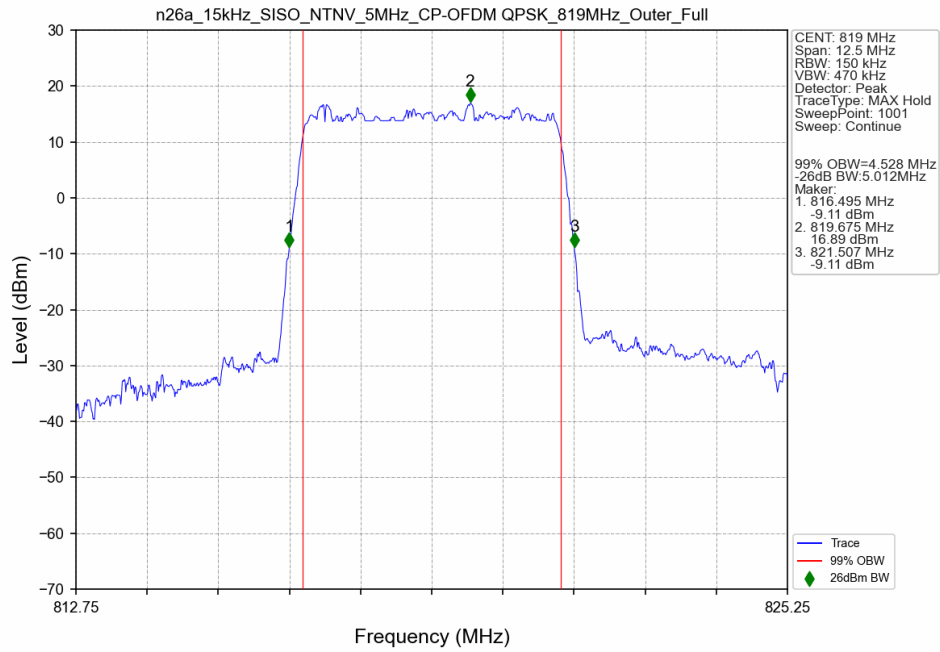
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_819MHz_Outer_Full_Ant0



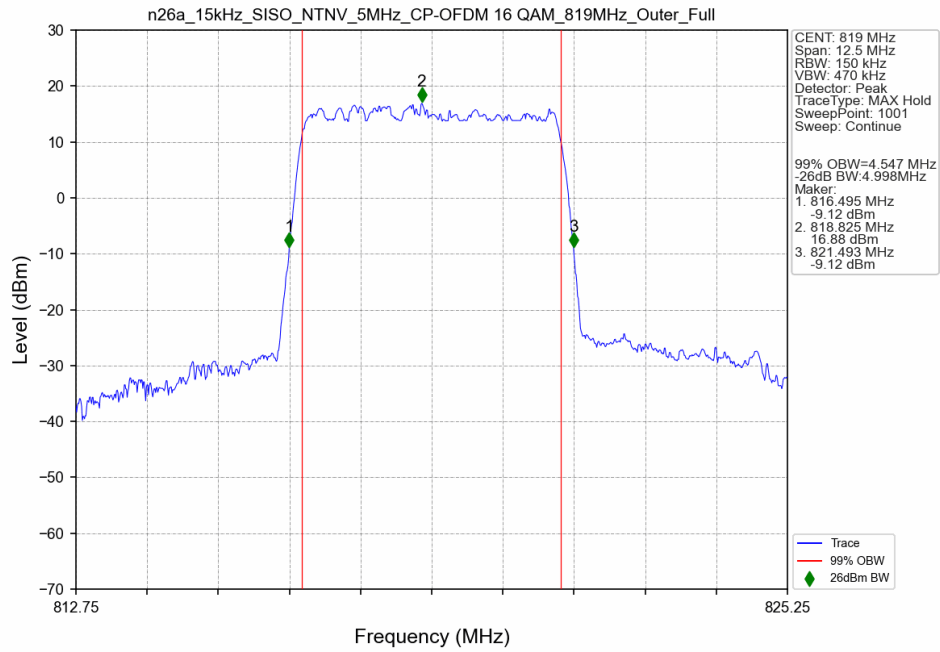
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_819MHz_Outer_Full_Ant0



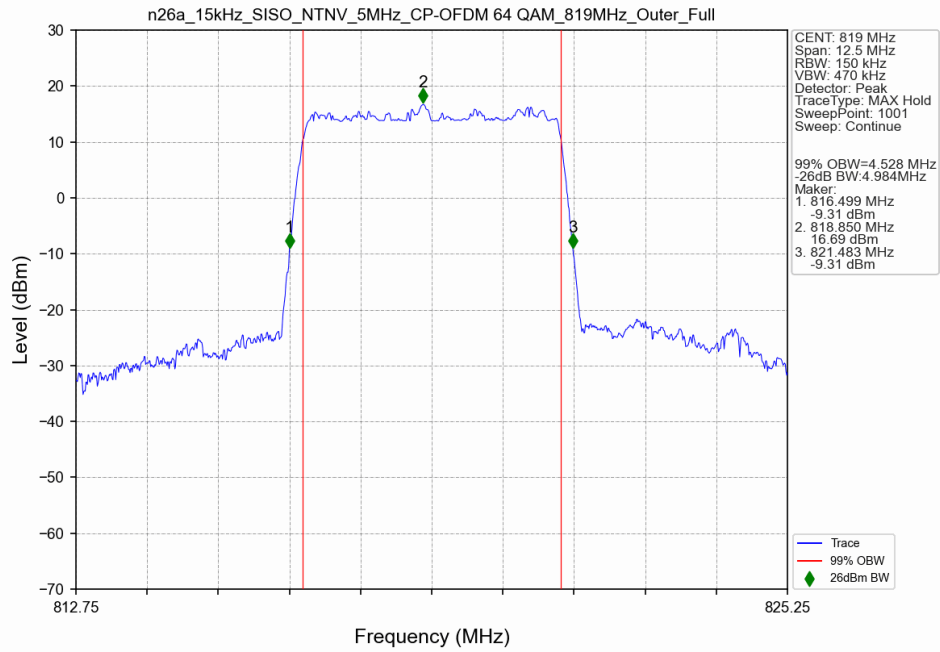
n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK 819MHz_Outer_Full_Ant0



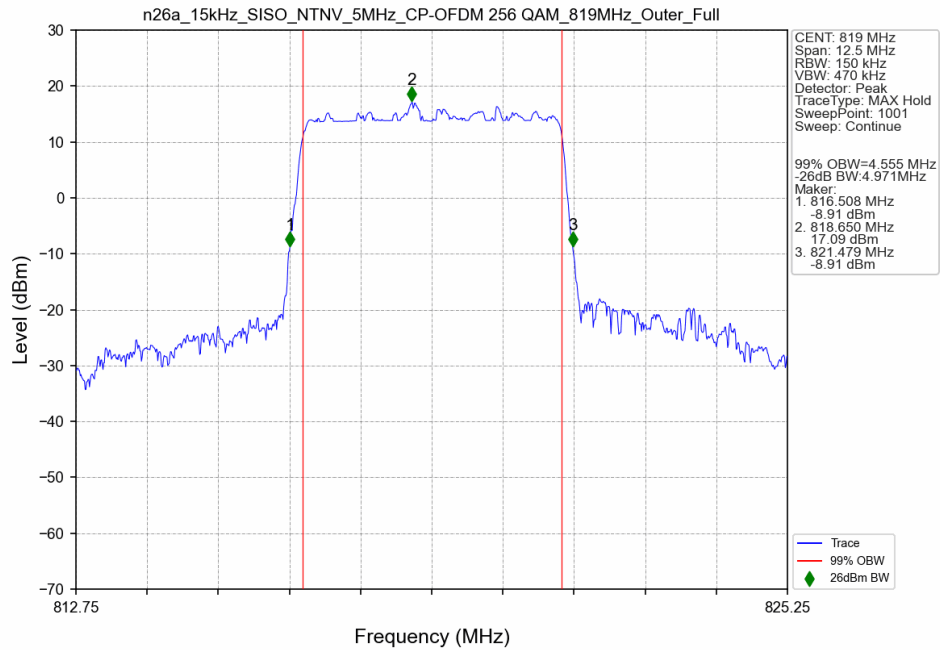
n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 819MHz_Outer_Full_Ant0



n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 819MHz_Outer_Full_Ant0

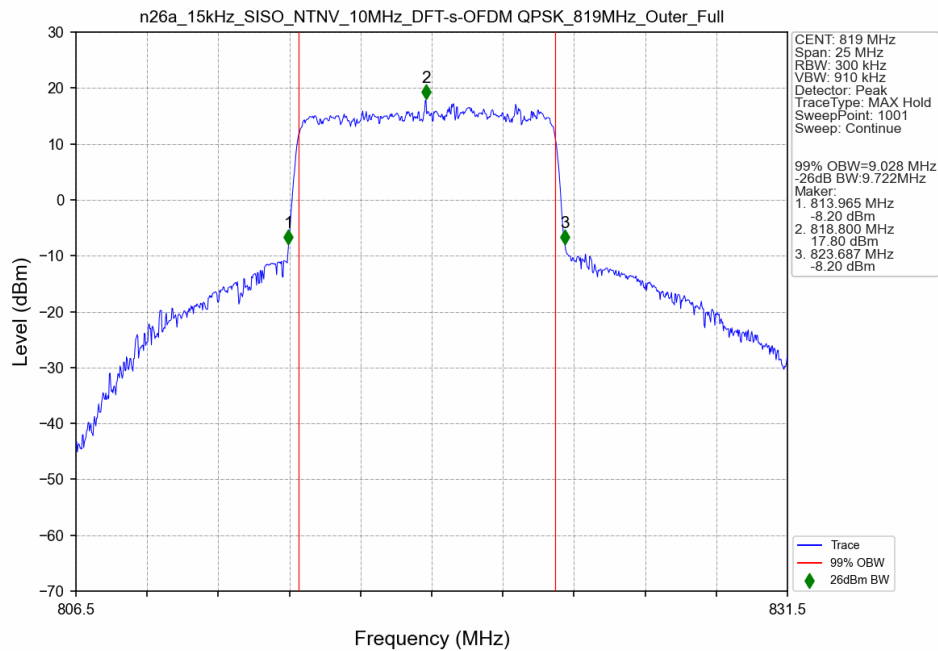


n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM 819MHz_Outer_Full_Ant0

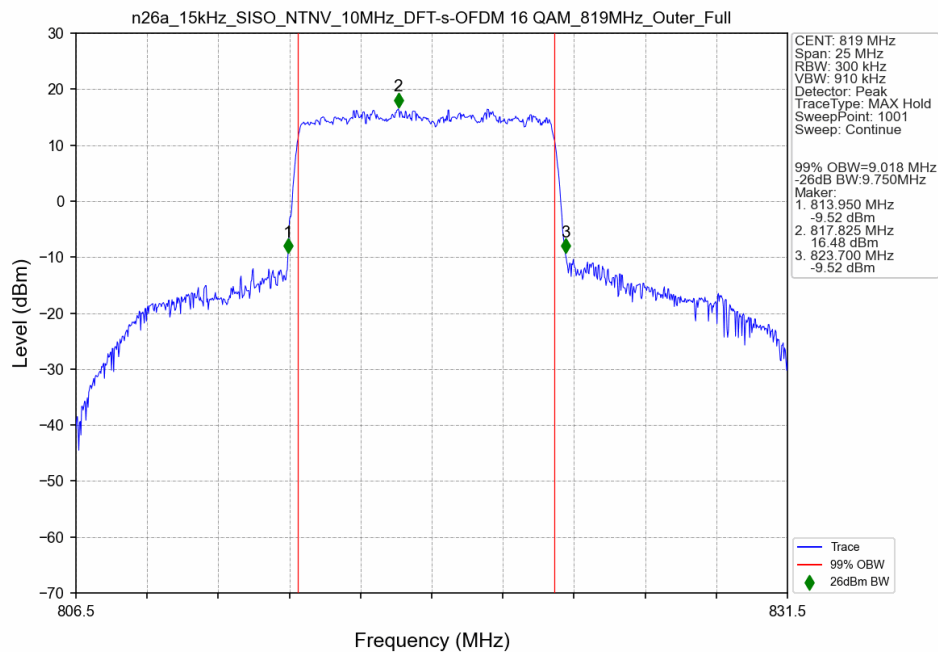


3.2.2 15_S_10M_NTNV

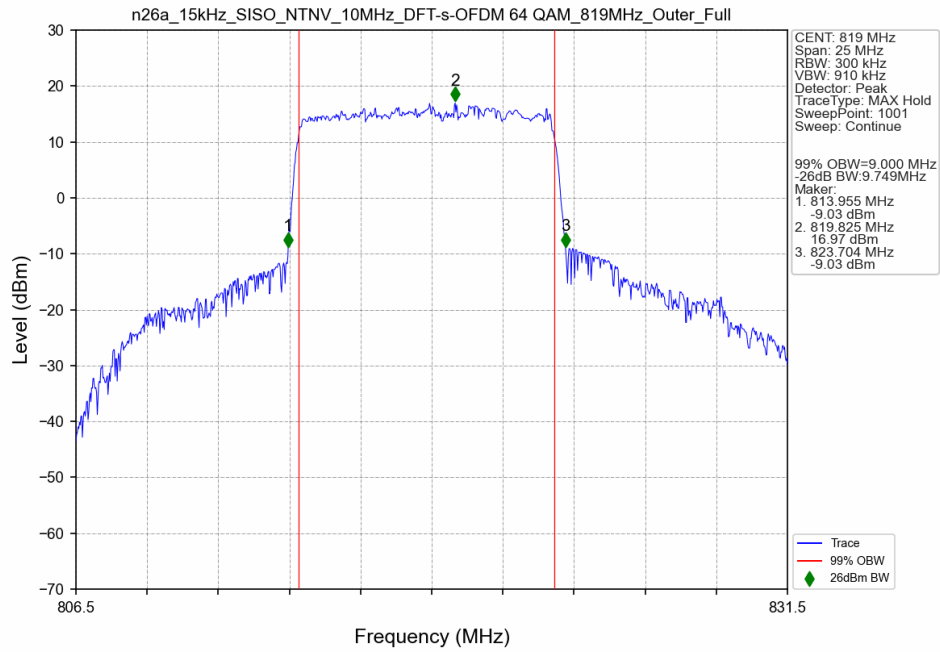
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Outer_Full_Ant0



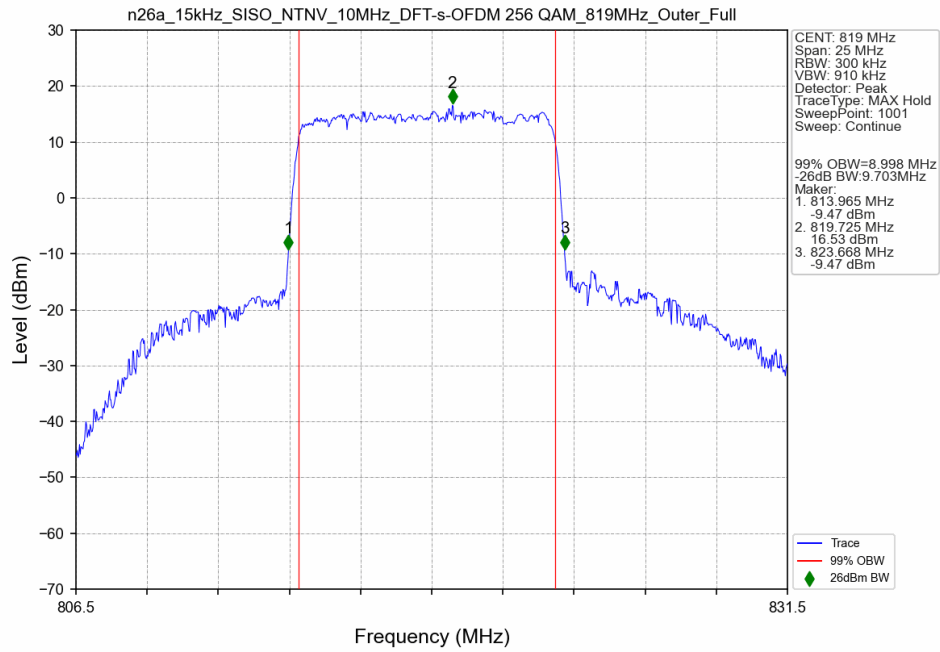
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_819MHz_Outer_Full_Ant0



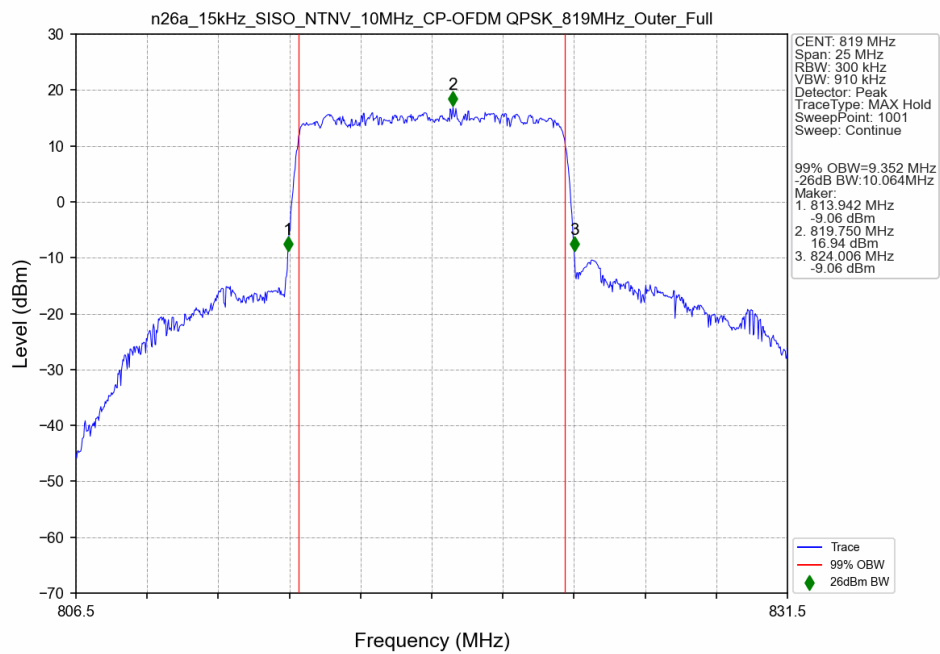
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_819MHz_Outer_Full_Ant0



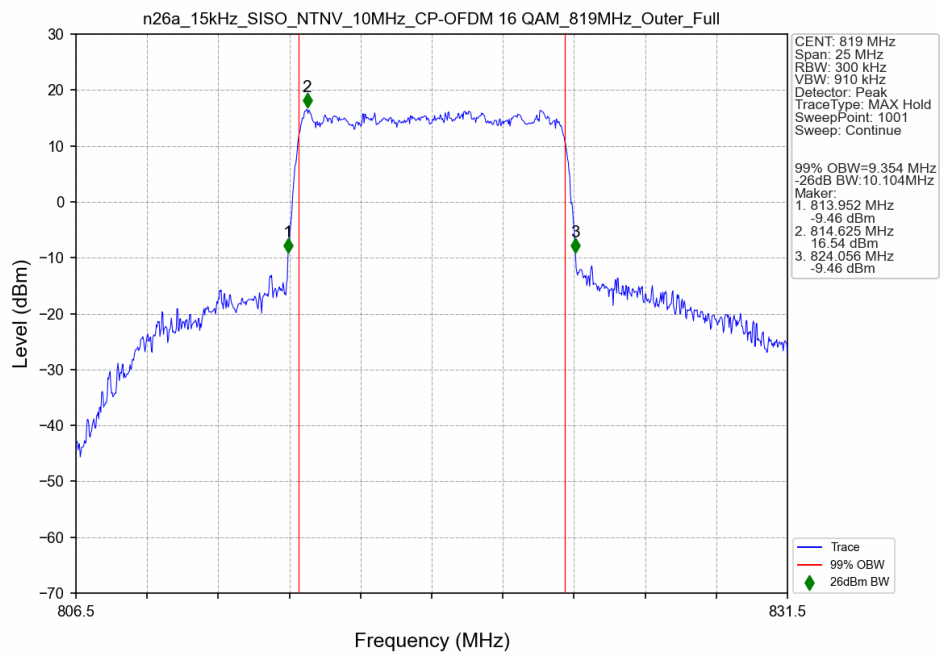
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_819MHz_Outer_Full_Ant0



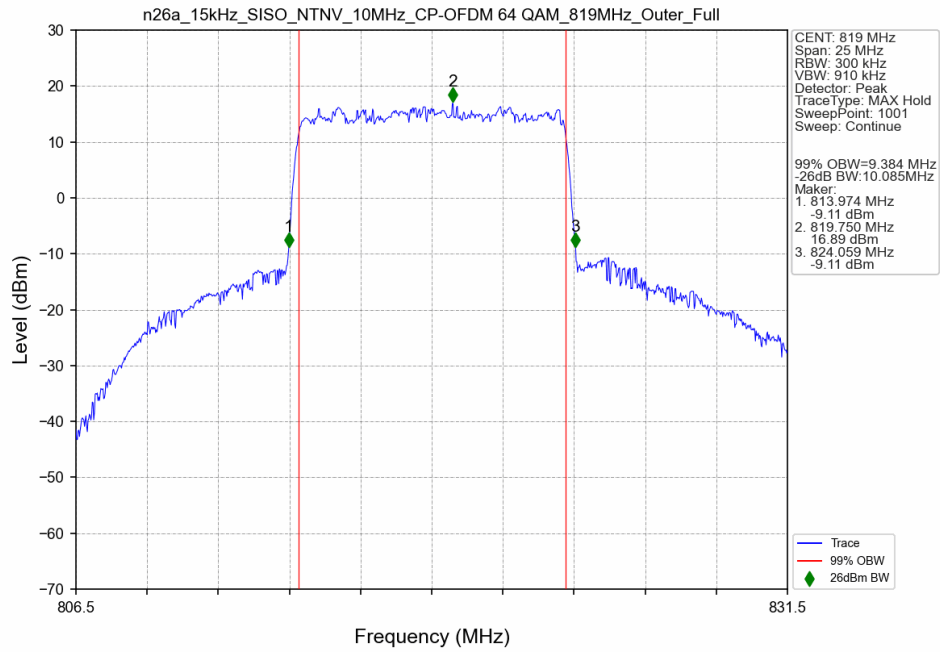
n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_819MHz_Outer_Full_Ant0



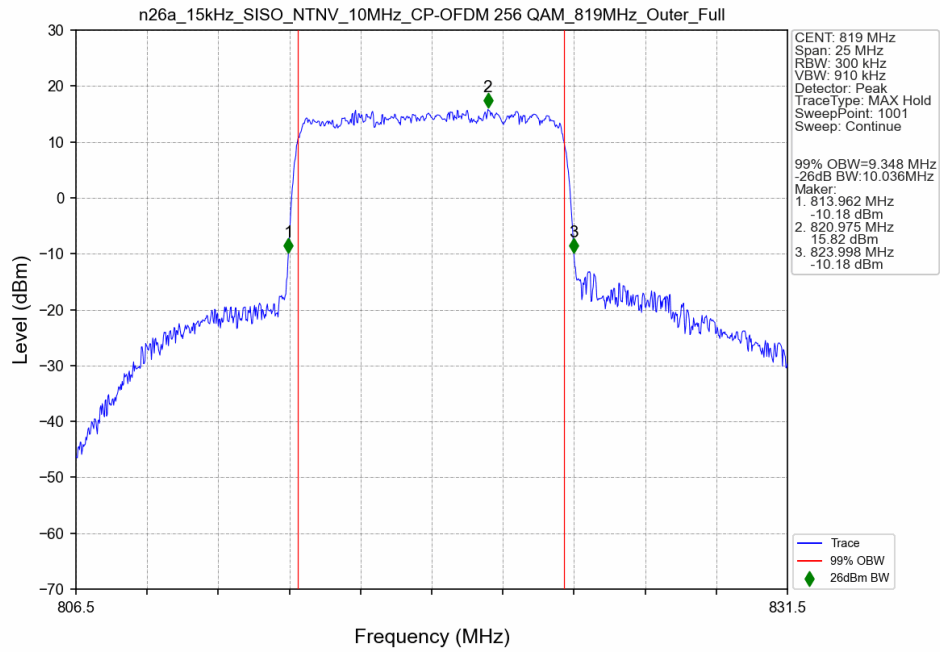
n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_16QAM_819MHz_Outer_Full_Ant0



n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 819MHz_Outer_Full_Ant0



n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM 819MHz_Outer_Full_Ant0



4. Peak-Average Ratio

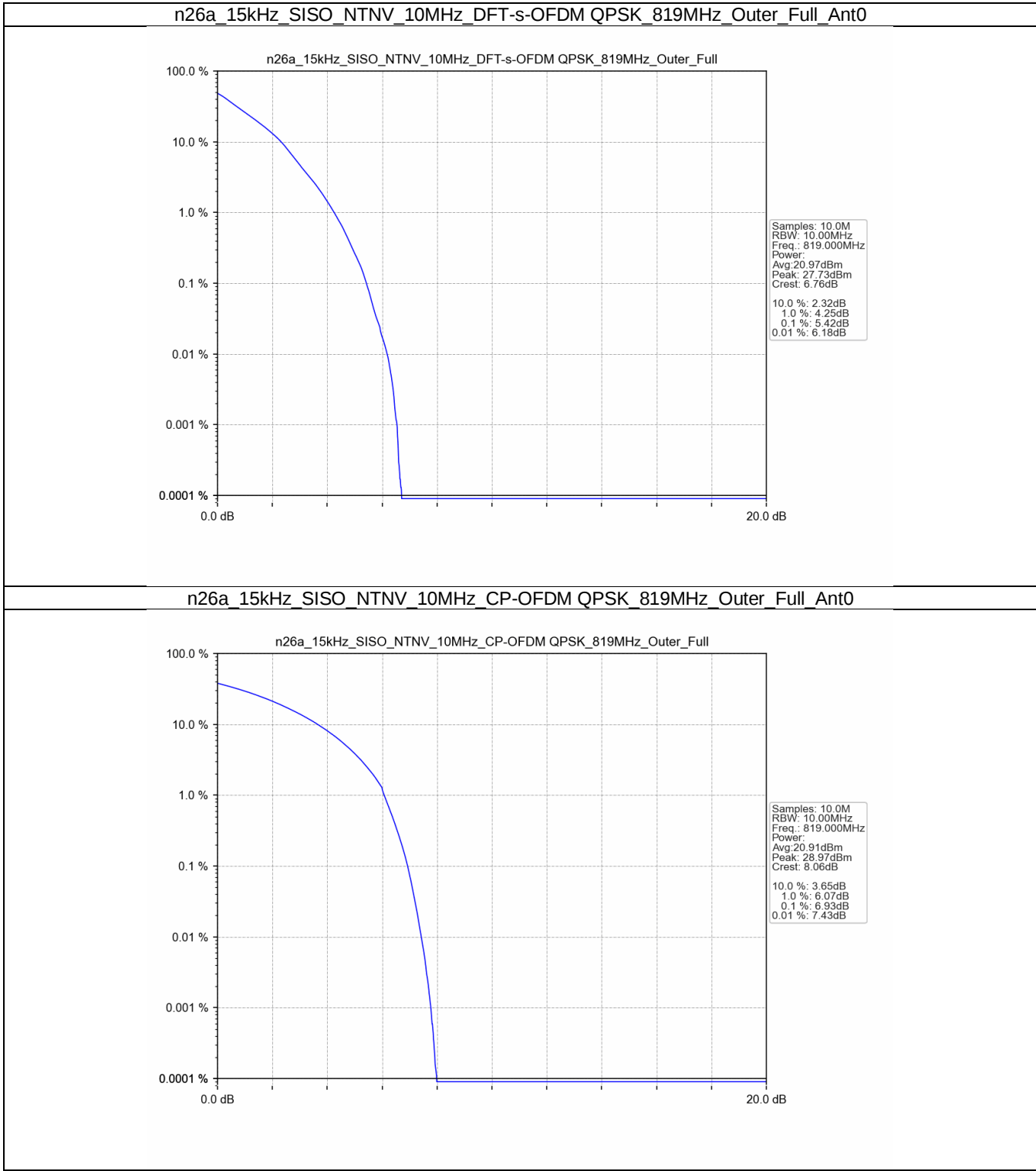
4.1 Test Result

4.1.1 15_S_10M_NTNV

5G NR n26a SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	819	Outer_Full	5.42	/	/	<=13	Pass
CP-OFDM QPSK	819	Outer_Full	6.93	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15_S_10M_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 15_S_5M_NTNV

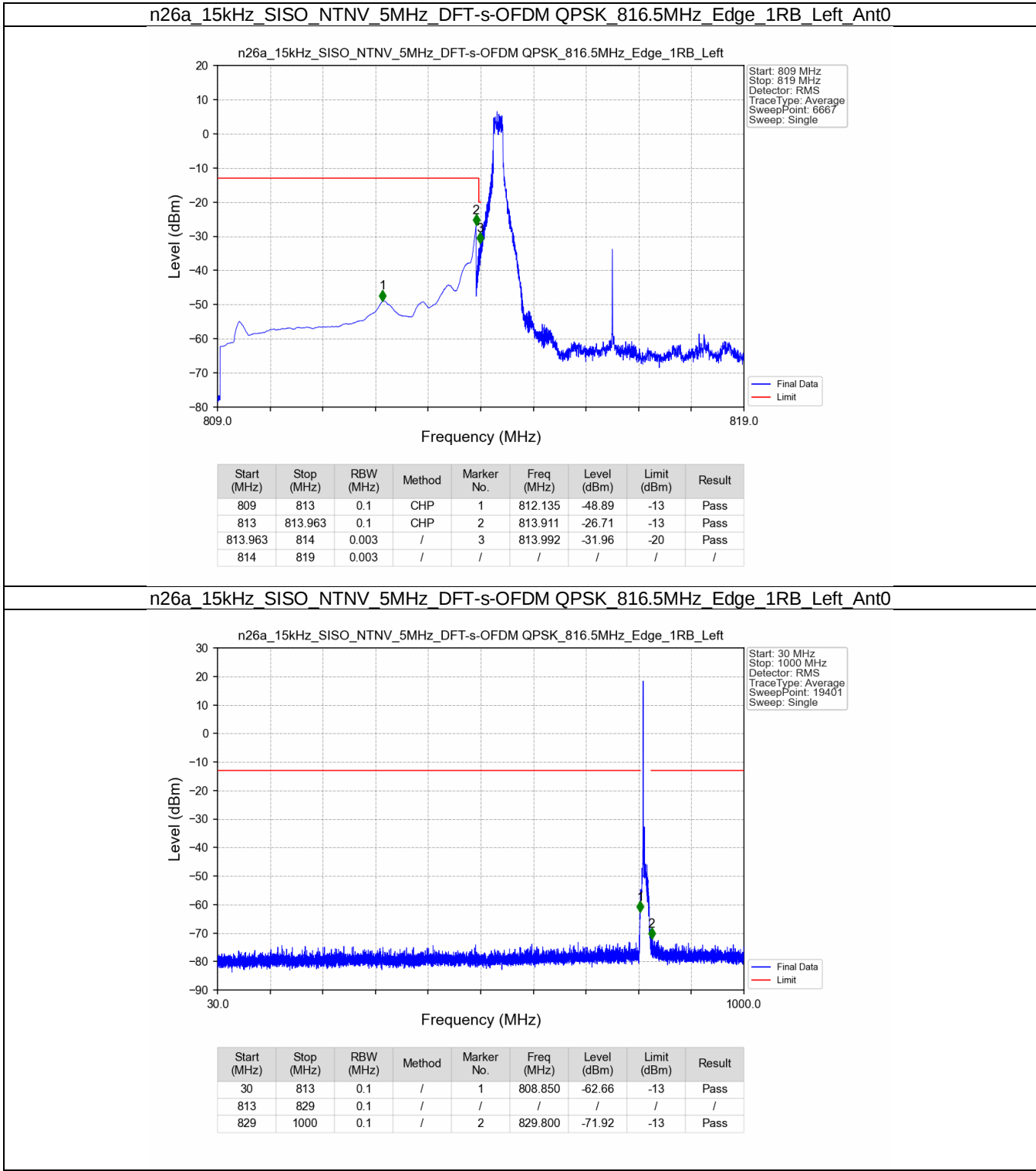
5G NR n26a SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	816.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	819	Edge 1RB Left	Refer To Test Graph				Pass
		821.5	Edge 1RB Right	Refer To Test Graph			
			Outer Full	Refer To Test Graph			
				Refer To Test Graph			
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
		821.5	Edge 1RB Right	Refer To Test Graph			
			Outer Full	Refer To Test Graph			
				Refer To Test Graph			

5.1.2 15_S_10M_NTNV

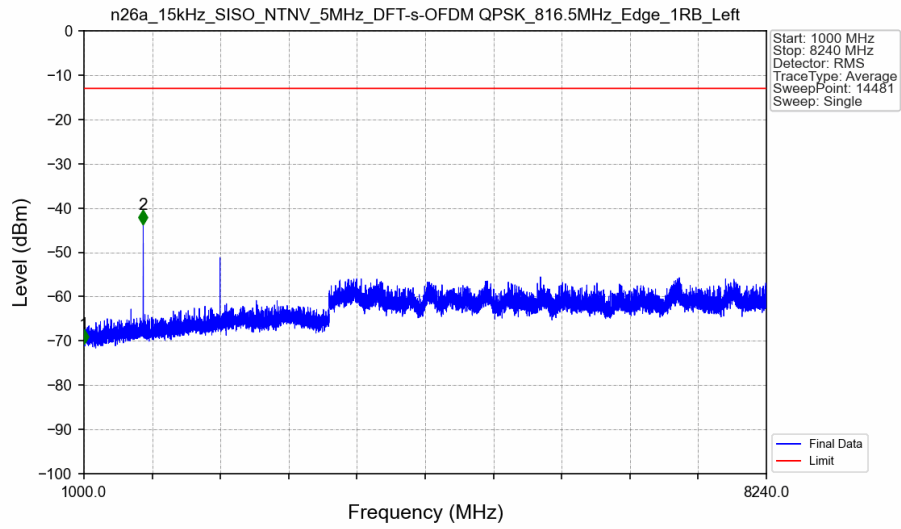
5G NR n26a SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	819	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	819	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 15_S_5M_NTNV

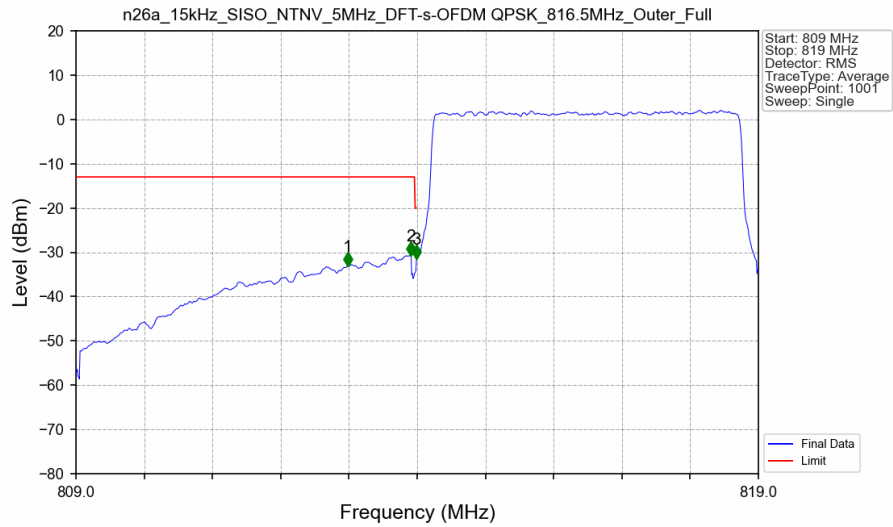


n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_816.5MHz_Edge_1RB_Left_Ant0



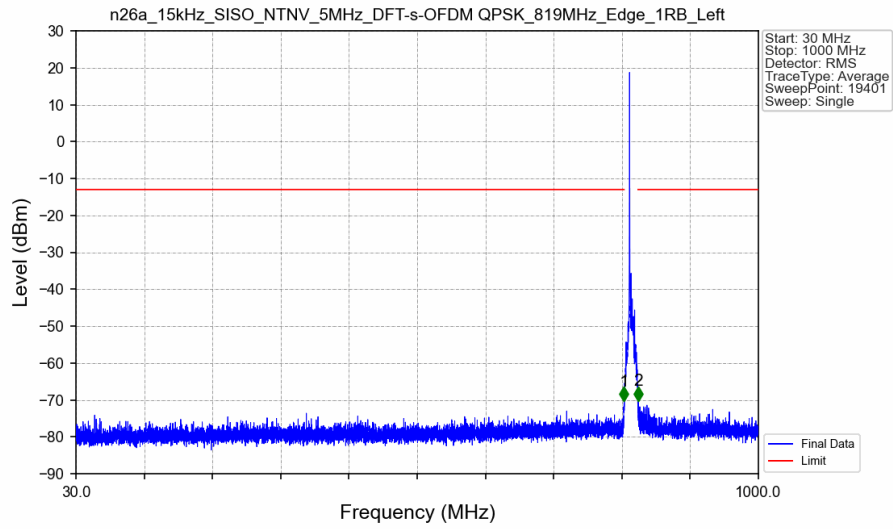
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-70.62	-13	Pass
1000	8240	1	/	2	1628.500	-43.65	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_816.5MHz_Outer_Full_Ant0

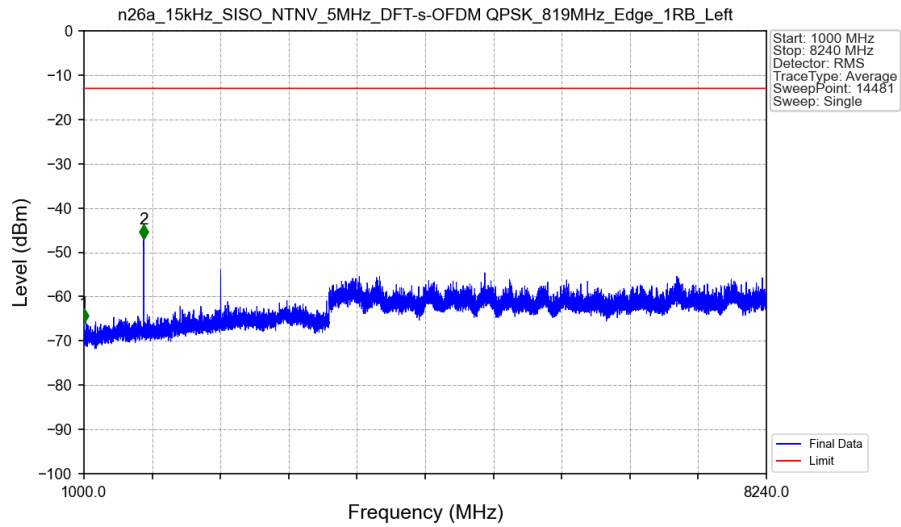


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.980	-33.10	-13	Pass
813	813.963	0.1	CHP	2	813.910	-30.79	-13	Pass
813.963	814	0.04982	CHP	3	813.990	-31.52	-20	Pass
814	819	0.04982	CHP	/	/	/	/	/

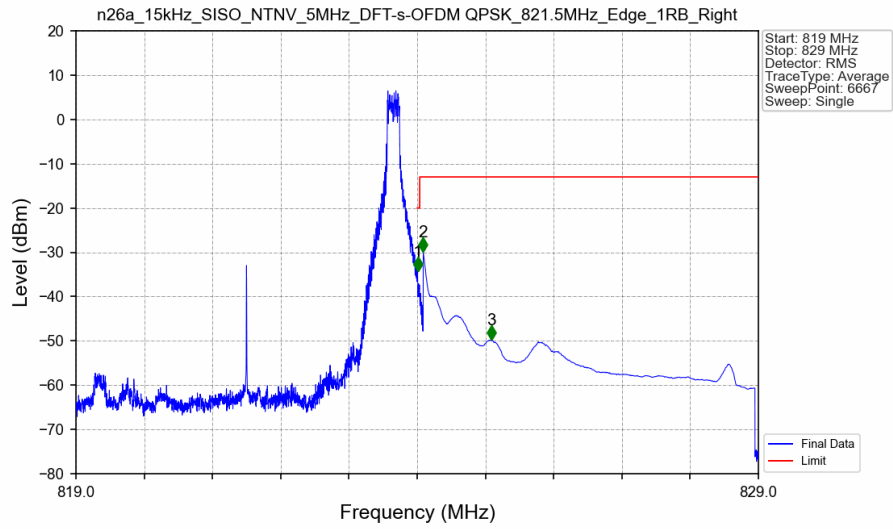
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0



n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0

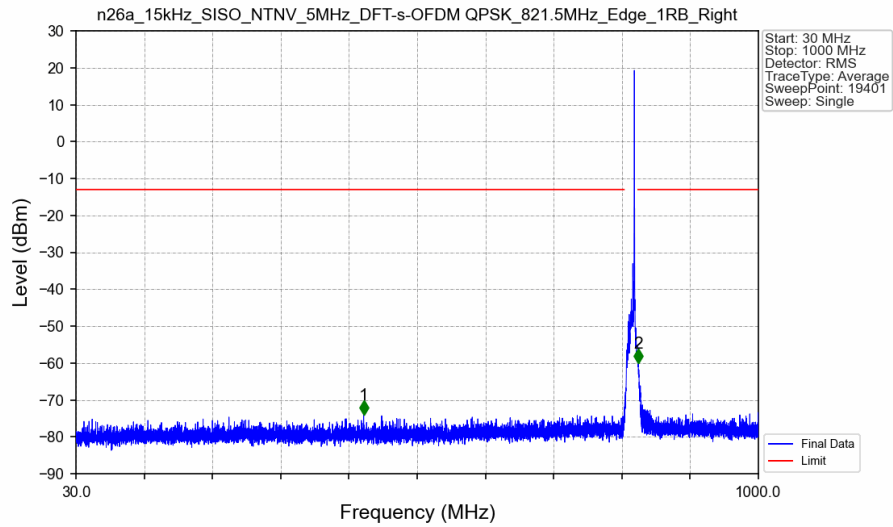


n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant0



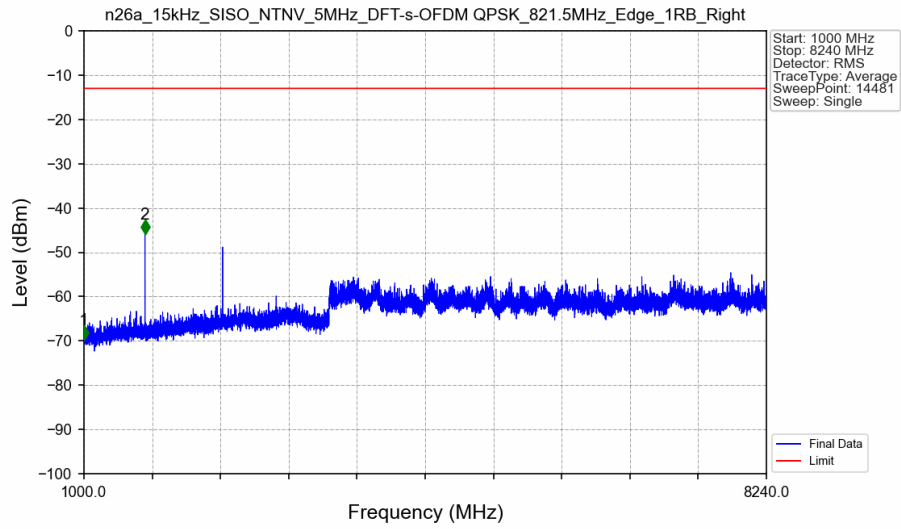
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.006	-34.29	-20	Pass
824.038	825	0.1	CHP	2	824.089	-29.94	-13	Pass
825	829	0.1	CHP	3	825.082	-49.77	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant0



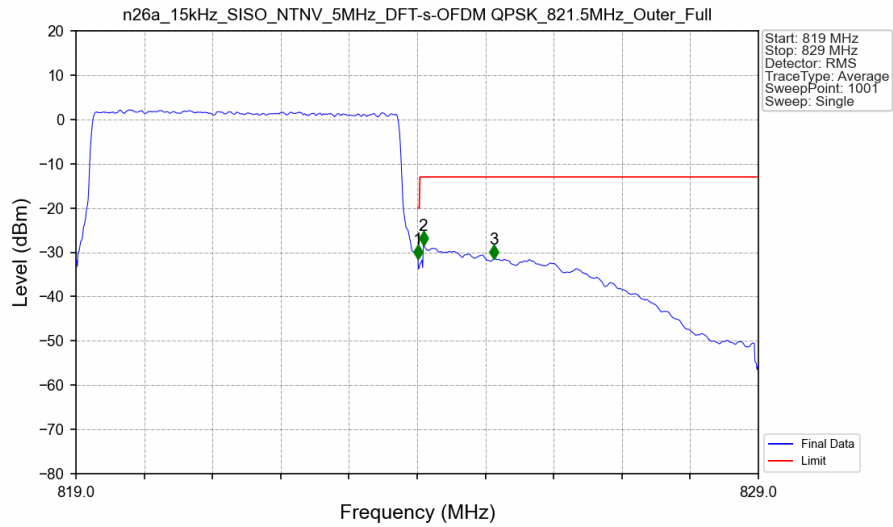
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	438.900	-74.03	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	829.050	-59.89	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant0



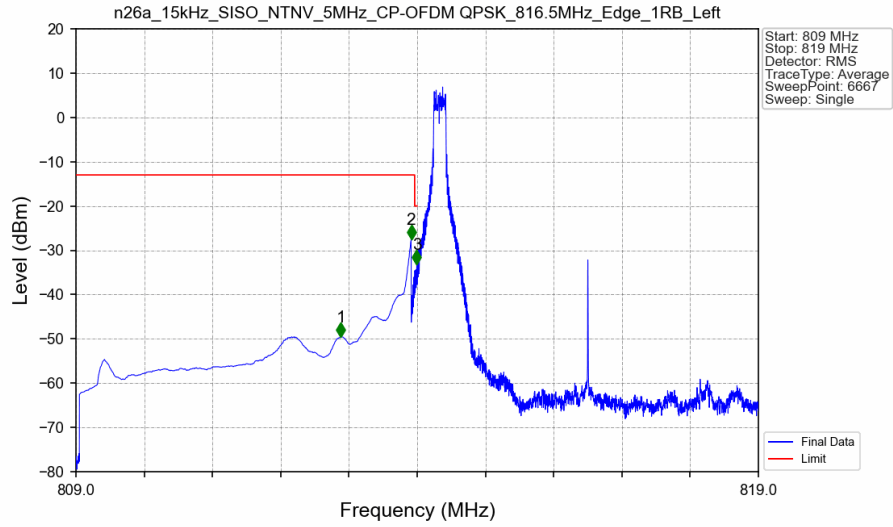
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-69.67	-13	Pass
1000	8240	1	/	2	1647.500	-45.88	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_821.5MHz_Outer_Full_Ant0



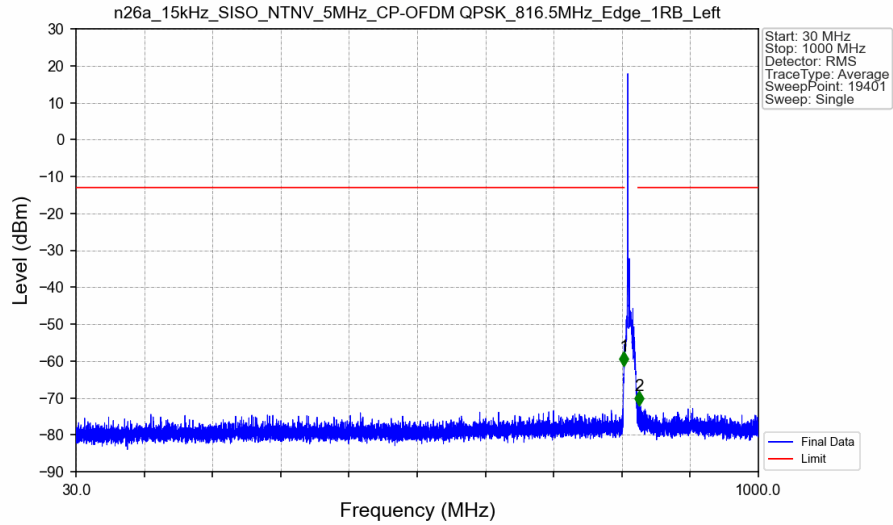
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.04982	CHP	/	/	/	/	/
824	824.038	0.04982	CHP	1	824.010	-31.44	-20	Pass
824.038	825	0.1	CHP	2	824.090	-28.42	-13	Pass
825	829	0.1	CHP	3	825.120	-31.44	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_816.5MHz_Edge_1RB_Left_Ant0



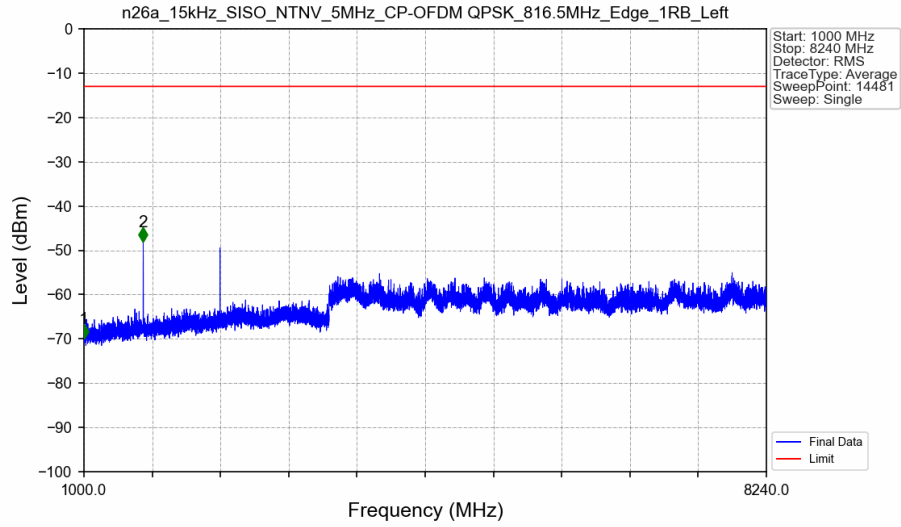
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.879	-49.51	-13	Pass
813	813.963	0.1	CHP	2	813.911	-27.57	-13	Pass
813.963	814	0.003	/	3	813.994	-33.21	-20	Pass
814	819	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_816.5MHz_Edge_1RB_Left_Ant0

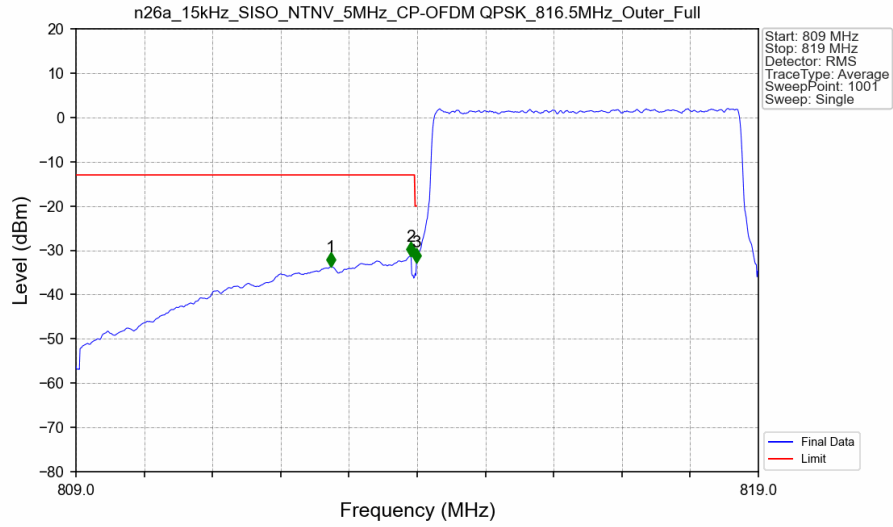


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.900	-61.27	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	830.850	-72.07	-13	Pass

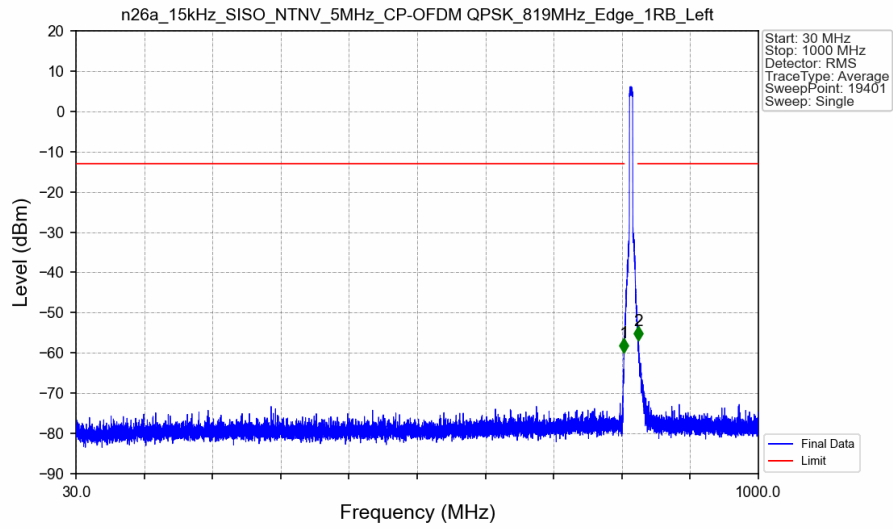
n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 816.5MHz Edge 1RB Left Ant0



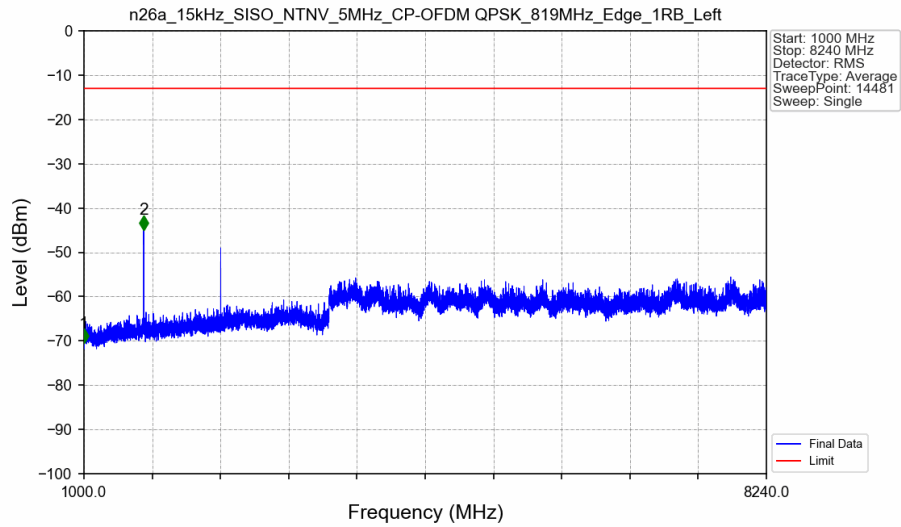
n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 816.5MHz Outer_Full Ant0



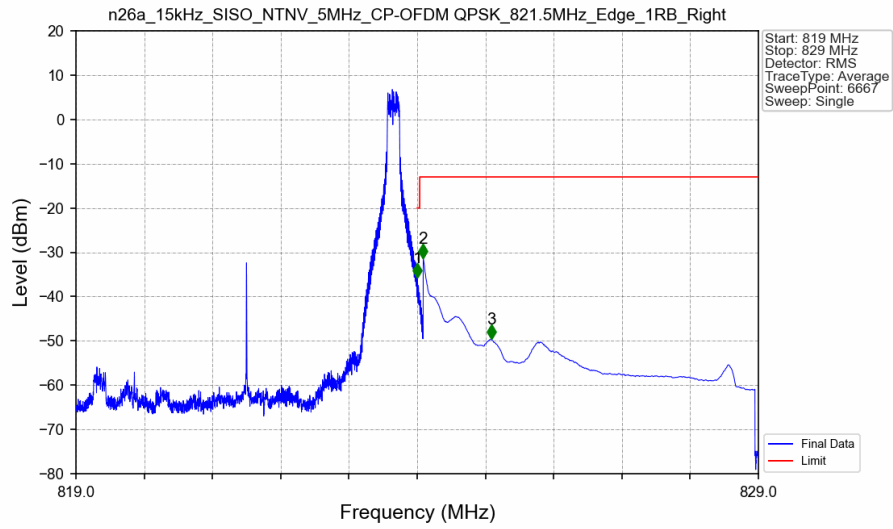
n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0



n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0

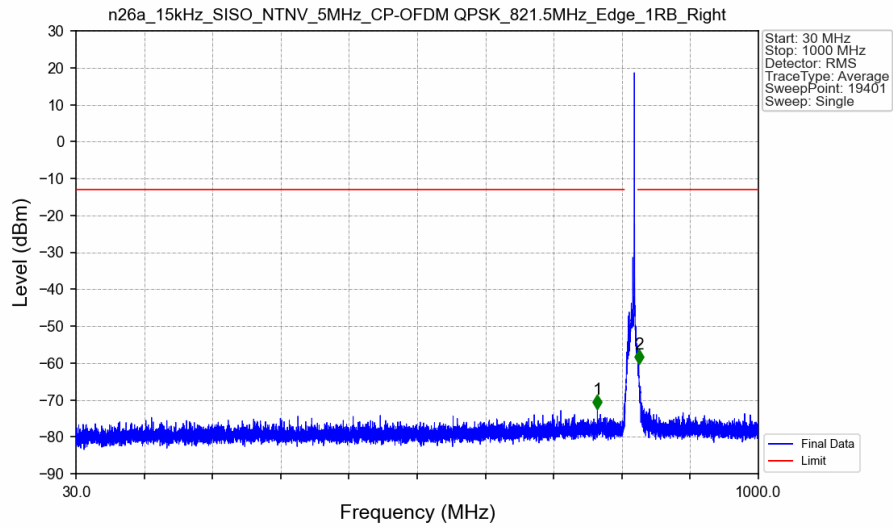


n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant0



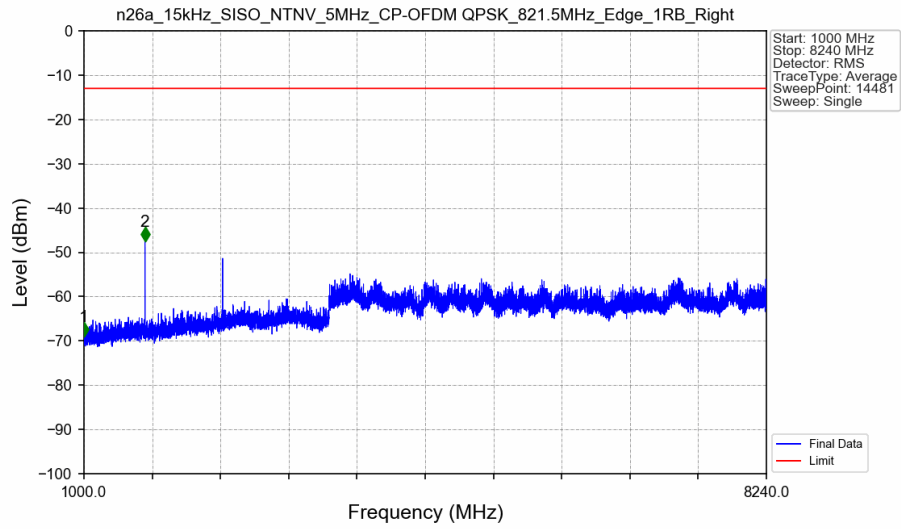
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.003	-35.64	-20	Pass
824.038	825	0.1	CHP	2	824.089	-31.23	-13	Pass
825	829	0.1	CHP	3	825.082	-49.60	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant0

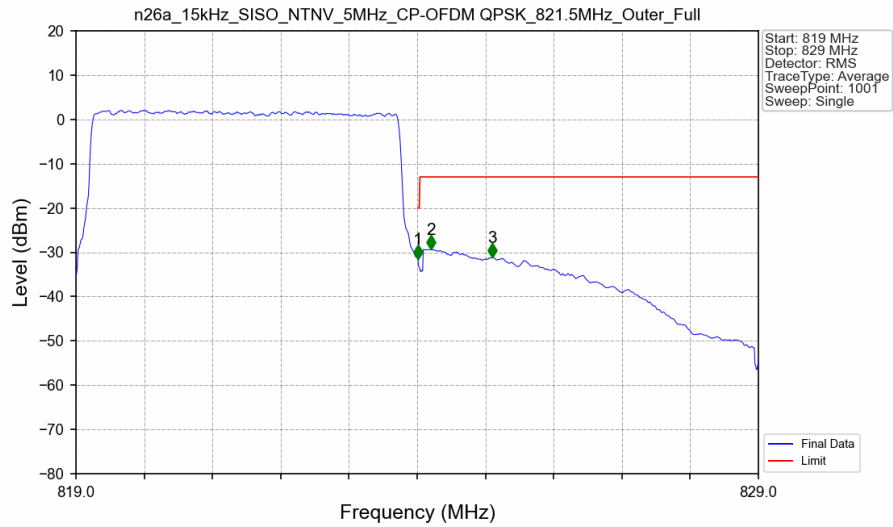


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	771.200	-72.36	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	829.950	-60.30	-13	Pass

n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Edge_1RB_Right_Ant0

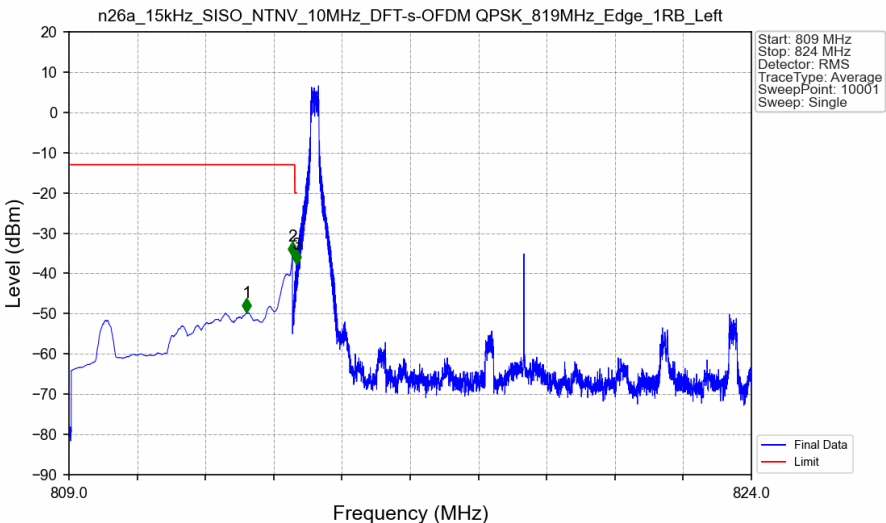


n26a_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_821.5MHz_Outer_Full_Ant0



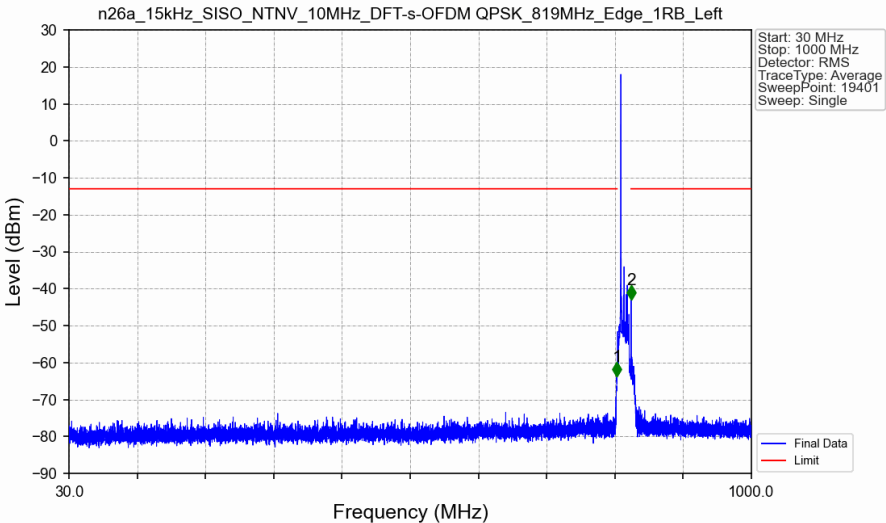
5.2.2 15_S_10M_NTNV

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Edge_1RB_Left_Ant0



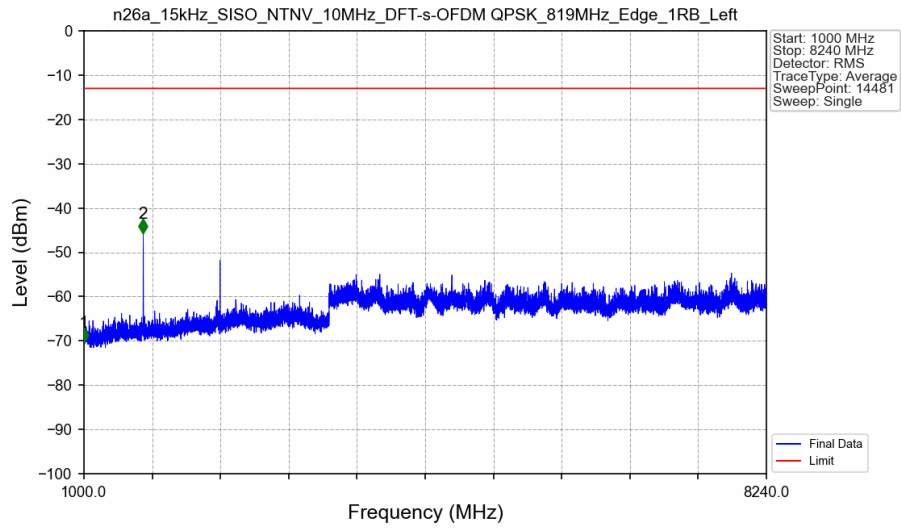
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.904	-49.63	-13	Pass
813	813.963	0.1	CHP	2	813.911	-35.71	-13	Pass
813.963	814	0.003	/	3	813.992	-37.59	-20	Pass
814	824	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Edge_1RB_Left_Ant0



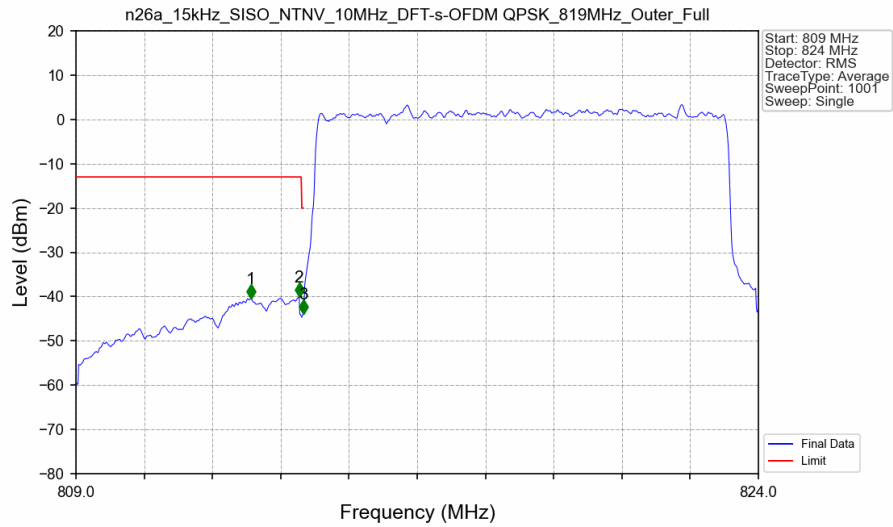
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.850	-63.67	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	829.050	-42.89	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0



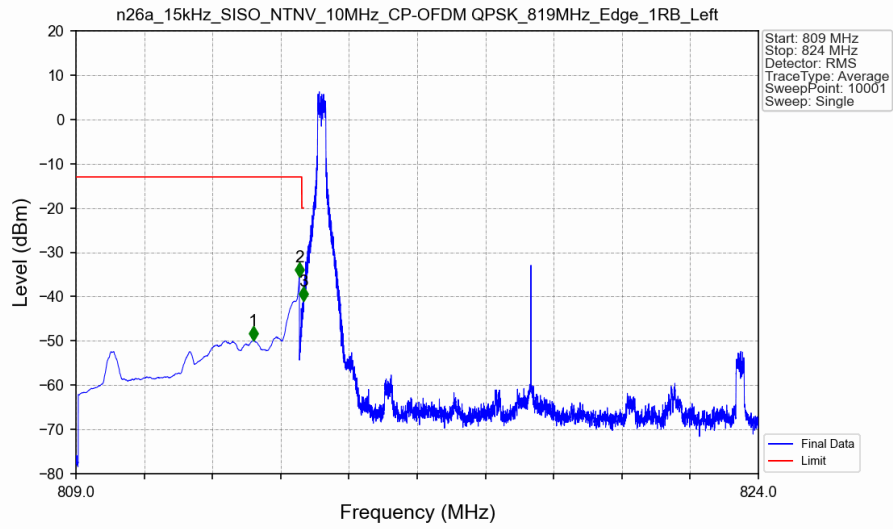
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-70.20	-13	Pass
1000	8240	1	/	2	1629.000	-45.58	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_819MHz_Outer_Full_Ant0



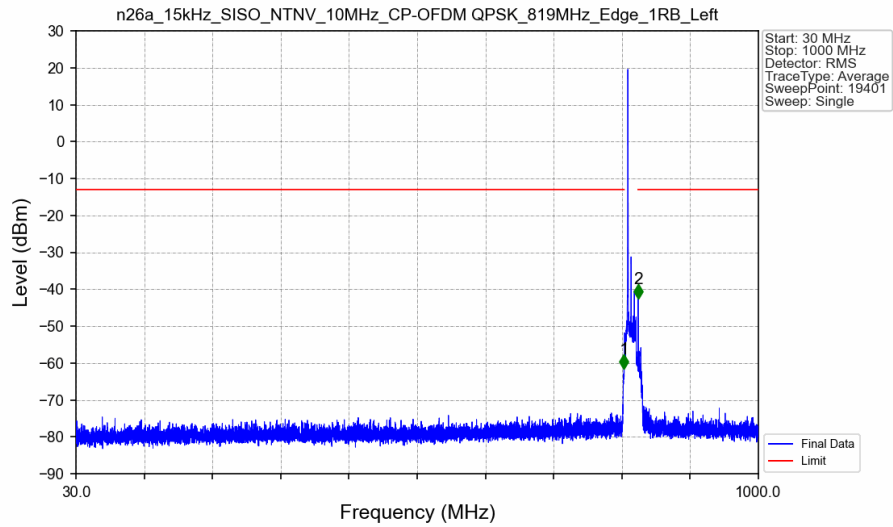
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.840	-40.44	-13	Pass
813	813.963	0.1	CHP	2	813.905	-40.09	-13	Pass
813.963	814	0.09722	CHP	3	813.995	-43.97	-20	Pass
814	824	0.09722	CHP	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0



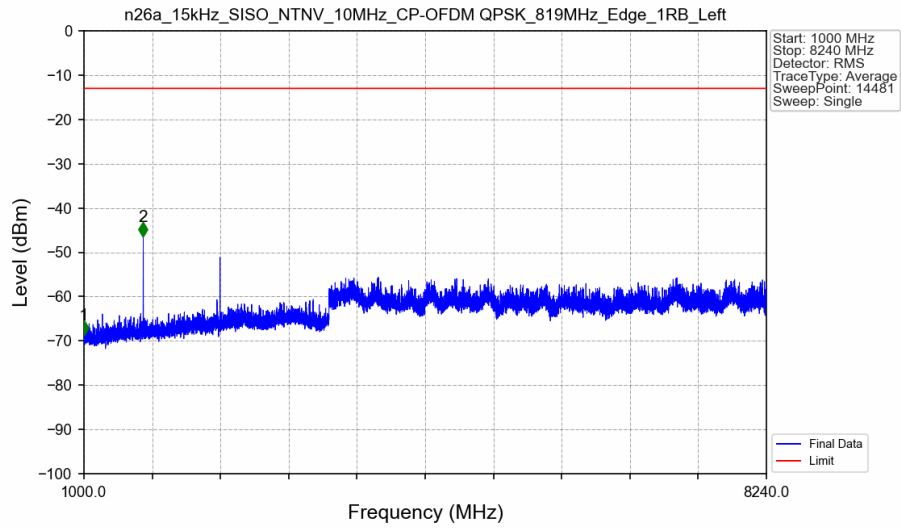
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.902	-49.82	-13	Pass
813	813.963	0.1	CHP	2	813.911	-35.54	-13	Pass
813.963	814	0.003	/	3	813.994	-40.89	-20	Pass
814	824	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0



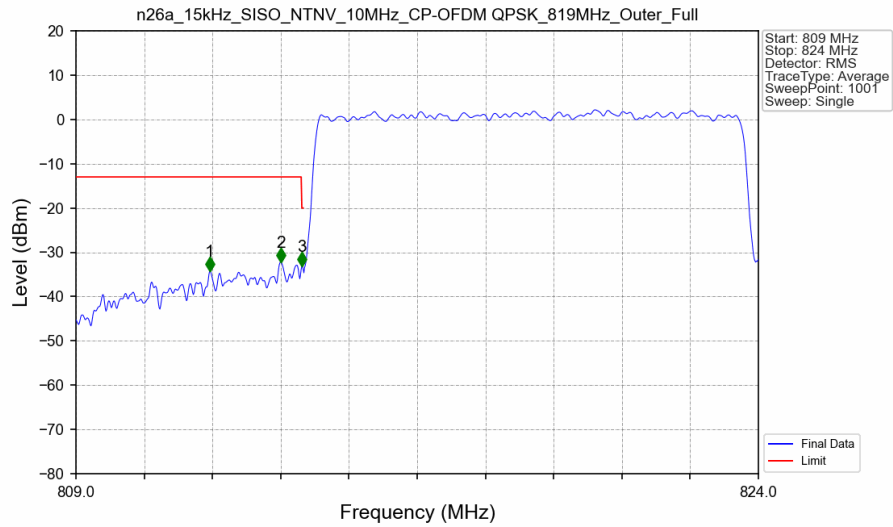
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.950	-61.42	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	829.050	-42.44	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_819MHz_Edge_1RB_Left_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-68.56	-13	Pass
1000	8240	1	/	2	1629.000	-46.33	-13	Pass

n26a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_819MHz_Outer_Full_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	/	1	811.940	-34.24	-13	Pass
813	813.963	0.1	/	2	813.500	-32.20	-13	Pass
813.963	814	0.10064	/	3	813.965	-33.08	-20	Pass
814	824	0.10064	CHP	/	/	/	/	/

6. Field Strength of Spurious Radiation

NR N26a(814-824MHz)-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
1629.0	-64.98	-13	-51.98	-67.91	2.62	5.55	Horizontal	Pass
2443.5	-59.73	-13	-46.73	-62.37	3.04	5.68	Horizontal	Pass
3258.0	-59.08	-13	-46.08	-63.36	3.28	7.56	Horizontal	Pass
1629.0	-63.29	-13	-50.29	-66.22	2.62	5.55	Vertical	Pass
2443.5	-61.55	-13	-48.55	-64.19	3.04	5.68	Vertical	Pass
3258.0	-58.76	-13	-45.76	-63.04	3.28	7.56	Vertical	Pass