

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_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	Outer_Full	23.61	/	/	21.46	/	/	<=50	Pass
		Inner_Full	23.79	/	/	21.64	/	/	<=50	Pass
		Inner_1RB_Left	23.83	/	/	21.68	/	/	<=50	Pass
		Inner_1RB_Right	23.79	/	/	21.64	/	/	<=50	Pass
	819	Outer_Full	23.66	/	/	21.51	/	/	<=50	Pass
		Inner_Full	23.76	/	/	21.61	/	/	<=50	Pass
		Inner_1RB_Left	23.75	/	/	21.60	/	/	<=50	Pass
		Inner_1RB_Right	23.74	/	/	21.59	/	/	<=50	Pass
	821.5	Outer_Full	23.51	/	/	21.36	/	/	<=50	Pass
		Inner_Full	23.69	/	/	21.54	/	/	<=50	Pass
		Inner_1RB_Left	23.76	/	/	21.61	/	/	<=50	Pass
		Inner_1RB_Right	23.68	/	/	21.53	/	/	<=50	Pass
DFT-s-OFDM QPSK	816.5	Outer_Full	23.09	/	/	20.94	/	/	<=50	Pass
		Inner_Full	23.76	/	/	21.61	/	/	<=50	Pass
		Inner_1RB_Left	23.81	/	/	21.66	/	/	<=50	Pass
		Inner_1RB_Right	23.82	/	/	21.67	/	/	<=50	Pass
	819	Outer_Full	23.09	/	/	20.94	/	/	<=50	Pass
		Inner_Full	23.75	/	/	21.60	/	/	<=50	Pass
		Inner_1RB_Left	23.81	/	/	21.66	/	/	<=50	Pass
		Inner_1RB_Right	23.80	/	/	21.65	/	/	<=50	Pass
	821.5	Outer_Full	23.10	/	/	20.95	/	/	<=50	Pass
		Inner_Full	23.68	/	/	21.53	/	/	<=50	Pass
		Inner_1RB_Left	23.69	/	/	21.54	/	/	<=50	Pass
		Inner_1RB_Right	23.74	/	/	21.59	/	/	<=50	Pass
DFT-s-OFDM 16 QAM	816.5	Outer_Full	22.05	/	/	19.90	/	/	<=50	Pass
		Inner_Full	23.14	/	/	20.99	/	/	<=50	Pass
		Inner_1RB_Left	22.99	/	/	20.84	/	/	<=50	Pass
		Inner_1RB_Right	22.93	/	/	20.78	/	/	<=50	Pass
	819	Outer_Full	22.04	/	/	19.89	/	/	<=50	Pass
		Inner_Full	23.20	/	/	21.05	/	/	<=50	Pass
		Inner_1RB_Left	22.98	/	/	20.83	/	/	<=50	Pass
		Inner_1RB_Right	22.92	/	/	20.77	/	/	<=50	Pass
	821.5	Outer_Full	22.03	/	/	19.88	/	/	<=50	Pass
		Inner_Full	23.16	/	/	21.01	/	/	<=50	Pass
		Inner_1RB_Left	22.87	/	/	20.72	/	/	<=50	Pass
		Inner_1RB_Right	23.00	/	/	20.85	/	/	<=50	Pass
DFT-s-OFDM 64 QAM	816.5	Outer_Full	21.56	/	/	19.41	/	/	<=50	Pass
		Inner_Full	21.60	/	/	19.45	/	/	<=50	Pass
		Inner_1RB_Left	21.36	/	/	19.21	/	/	<=50	Pass
		Inner_1RB_Right	21.46	/	/	19.31	/	/	<=50	Pass
	819	Outer_Full	21.53	/	/	19.38	/	/	<=50	Pass
		Inner_Full	21.59	/	/	19.44	/	/	<=50	Pass
		Inner_1RB_Left	21.47	/	/	19.32	/	/	<=50	Pass
		Inner_1RB_Right	21.40	/	/	19.25	/	/	<=50	Pass
	821.5	Outer_Full	21.56	/	/	19.41	/	/	<=50	Pass
		Inner_Full	21.52	/	/	19.37	/	/	<=50	Pass
		Inner_1RB_Left	21.43	/	/	19.28	/	/	<=50	Pass
		Inner_1RB_Right	21.42	/	/	19.27	/	/	<=50	Pass
DFT-s-OFDM 256	816.5	Outer_Full	19.62	/	/	17.47	/	/	<=50	Pass

QAM		Inner Full	19.61	/	/	17.46	/	/	<=50	Pass
		Inner 1RB Left	19.87	/	/	17.72	/	/	<=50	Pass
		Inner 1RB Right	19.96	/	/	17.81	/	/	<=50	Pass
	819	Outer Full	19.65	/	/	17.50	/	/	<=50	Pass
		Inner Full	19.59	/	/	17.44	/	/	<=50	Pass
		Inner 1RB Left	19.89	/	/	17.74	/	/	<=50	Pass
		Inner 1RB Right	19.84	/	/	17.69	/	/	<=50	Pass
	821.5	Outer Full	19.62	/	/	17.47	/	/	<=50	Pass
		Inner Full	19.58	/	/	17.43	/	/	<=50	Pass
		Inner 1RB Left	19.88	/	/	17.73	/	/	<=50	Pass
		Inner 1RB Right	19.84	/	/	17.69	/	/	<=50	Pass
CP-OFDM QPSK	816.5	Outer Full	21.14	/	/	18.99	/	/	<=50	Pass
		Inner Full	22.72	/	/	20.57	/	/	<=50	Pass
		Inner 1RB Left	22.60	/	/	20.45	/	/	<=50	Pass
		Inner 1RB Right	22.57	/	/	20.42	/	/	<=50	Pass
	819	Outer Full	21.12	/	/	18.97	/	/	<=50	Pass
		Inner Full	22.70	/	/	20.55	/	/	<=50	Pass
		Inner 1RB Left	22.55	/	/	20.40	/	/	<=50	Pass
		Inner 1RB Right	22.52	/	/	20.37	/	/	<=50	Pass
	821.5	Outer Full	21.04	/	/	18.89	/	/	<=50	Pass
		Inner Full	22.61	/	/	20.46	/	/	<=50	Pass
		Inner 1RB Left	22.55	/	/	20.40	/	/	<=50	Pass
		Inner 1RB Right	22.48	/	/	20.33	/	/	<=50	Pass
CP-OFDM 16 QAM	816.5	Outer Full	21.05	/	/	18.90	/	/	<=50	Pass
		Inner Full	22.39	/	/	20.24	/	/	<=50	Pass
		Inner 1RB Left	22.13	/	/	19.98	/	/	<=50	Pass
		Inner 1RB Right	22.05	/	/	19.90	/	/	<=50	Pass
	819	Outer Full	21.13	/	/	18.98	/	/	<=50	Pass
		Inner Full	22.30	/	/	20.15	/	/	<=50	Pass
		Inner 1RB Left	22.11	/	/	19.96	/	/	<=50	Pass
		Inner 1RB Right	22.07	/	/	19.92	/	/	<=50	Pass
	821.5	Outer Full	21.02	/	/	18.87	/	/	<=50	Pass
		Inner Full	22.25	/	/	20.10	/	/	<=50	Pass
		Inner 1RB Left	22.09	/	/	19.94	/	/	<=50	Pass
		Inner 1RB Right	22.07	/	/	19.92	/	/	<=50	Pass
CP-OFDM 64 QAM	816.5	Outer Full	20.54	/	/	18.39	/	/	<=50	Pass
		Inner Full	20.67	/	/	18.52	/	/	<=50	Pass
		Inner 1RB Left	20.62	/	/	18.47	/	/	<=50	Pass
		Inner 1RB Right	20.55	/	/	18.40	/	/	<=50	Pass
	819	Outer Full	20.54	/	/	18.39	/	/	<=50	Pass
		Inner Full	20.74	/	/	18.59	/	/	<=50	Pass
		Inner 1RB Left	20.56	/	/	18.41	/	/	<=50	Pass
		Inner 1RB Right	20.53	/	/	18.38	/	/	<=50	Pass
	821.5	Outer Full	20.47	/	/	18.32	/	/	<=50	Pass
		Inner Full	20.70	/	/	18.55	/	/	<=50	Pass
		Inner 1RB Left	20.63	/	/	18.48	/	/	<=50	Pass
		Inner 1RB Right	20.60	/	/	18.45	/	/	<=50	Pass
CP-OFDM 256 QAM	816.5	Outer Full	17.73	/	/	15.58	/	/	<=50	Pass
		Inner Full	17.59	/	/	15.44	/	/	<=50	Pass
		Inner 1RB Left	17.91	/	/	15.76	/	/	<=50	Pass
		Inner 1RB Right	18.00	/	/	15.85	/	/	<=50	Pass
	819	Outer Full	17.69	/	/	15.54	/	/	<=50	Pass
		Inner Full	17.55	/	/	15.40	/	/	<=50	Pass
		Inner 1RB Left	18.08	/	/	15.93	/	/	<=50	Pass
		Inner 1RB Right	18.01	/	/	15.86	/	/	<=50	Pass
	821.5	Outer Full	17.63	/	/	15.48	/	/	<=50	Pass
		Inner Full	17.61	/	/	15.46	/	/	<=50	Pass
		Inner 1RB Left	18.02	/	/	15.87	/	/	<=50	Pass
		Inner 1RB Right	18.06	/	/	15.91	/	/	<=50	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15k_SISO_10MHz_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	Outer_Full	23.64	/	/	21.49	/	/	<=50	Pass
		Inner_Full	23.74	/	/	21.59	/	/	<=50	Pass
		Inner_1RB_Left	23.74	/	/	21.59	/	/	<=50	Pass
		Inner_1RB_Right	23.68	/	/	21.53	/	/	<=50	Pass
DFT-s-OFDM QPSK	819	Outer_Full	23.11	/	/	20.96	/	/	<=50	Pass
		Inner_Full	23.80	/	/	21.65	/	/	<=50	Pass
		Inner_1RB_Left	23.81	/	/	21.66	/	/	<=50	Pass
		Inner_1RB_Right	23.77	/	/	21.62	/	/	<=50	Pass
DFT-s-OFDM 16 QAM	819	Outer_Full	22.06	/	/	19.91	/	/	<=50	Pass
		Inner_Full	23.17	/	/	21.02	/	/	<=50	Pass
		Inner_1RB_Left	22.89	/	/	20.74	/	/	<=50	Pass
		Inner_1RB_Right	22.89	/	/	20.74	/	/	<=50	Pass
DFT-s-OFDM 64 QAM	819	Outer_Full	21.67	/	/	19.52	/	/	<=50	Pass
		Inner_Full	21.62	/	/	19.47	/	/	<=50	Pass
		Inner_1RB_Left	21.41	/	/	19.26	/	/	<=50	Pass
		Inner_1RB_Right	21.42	/	/	19.27	/	/	<=50	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	19.52	/	/	17.37	/	/	<=50	Pass
		Inner_Full	19.63	/	/	17.48	/	/	<=50	Pass
		Inner_1RB_Left	19.89	/	/	17.74	/	/	<=50	Pass
		Inner_1RB_Right	19.95	/	/	17.80	/	/	<=50	Pass
CP-OFDM QPSK	819	Outer_Full	21.09	/	/	18.94	/	/	<=50	Pass
		Inner_Full	22.69	/	/	20.54	/	/	<=50	Pass
		Inner_1RB_Left	22.58	/	/	20.43	/	/	<=50	Pass
		Inner_1RB_Right	22.46	/	/	20.31	/	/	<=50	Pass
CP-OFDM 16 QAM	819	Outer_Full	21.12	/	/	18.97	/	/	<=50	Pass
		Inner_Full	22.23	/	/	20.08	/	/	<=50	Pass
		Inner_1RB_Left	22.13	/	/	19.98	/	/	<=50	Pass
		Inner_1RB_Right	22.16	/	/	20.01	/	/	<=50	Pass
CP-OFDM 64 QAM	819	Outer_Full	20.51	/	/	18.36	/	/	<=50	Pass
		Inner_Full	20.61	/	/	18.46	/	/	<=50	Pass
		Inner_1RB_Left	20.61	/	/	18.46	/	/	<=50	Pass
		Inner_1RB_Right	20.70	/	/	18.55	/	/	<=50	Pass
CP-OFDM 256 QAM	819	Outer_Full	17.64	/	/	15.49	/	/	<=50	Pass
		Inner_Full	17.69	/	/	15.54	/	/	<=50	Pass
		Inner_1RB_Left	18.03	/	/	15.88	/	/	<=50	Pass
		Inner_1RB_Right	18.09	/	/	15.94	/	/	<=50	Pass
Note1: Antenna Gain: Ant1: 0.00dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

5G NR n26a SCS=15kHz SISO 10MHz							
Modulation	Frequency	RB	Temp.	Volt.	Freq. Error	Freq. vs. rated (ppm)	Verdict

	(MHz)	Allocation	(°C)		(Hz)	Result	Limit	
DFT-s-OFDM PI/2 BPSK	819	Outer_Full	20	LV	-3.70	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0063	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0081	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0074	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0079	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0057	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0056	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0076	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0065	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0049	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	819	Outer_Full	20	LV	-3.70	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-3.70	-0.0045	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0057	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0061	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0061	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0045	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0042	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0042	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_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	816.5	Outer_Full	4.55	4.99	/	Pass
	819	Outer_Full	4.54	5.00	/	Pass
	821.5	Outer_Full	4.54	4.99	/	Pass
DFT-s-OFDM QPSK	816.5	Outer_Full	4.51	4.97	/	Pass
	819	Outer_Full	4.51	4.95	/	Pass
	821.5	Outer_Full	4.51	4.97	/	Pass
DFT-s-OFDM 16 QAM	816.5	Outer_Full	4.52	5.00	/	Pass
	819	Outer_Full	4.51	4.95	/	Pass
	821.5	Outer_Full	4.51	4.98	/	Pass
DFT-s-OFDM 64 QAM	816.5	Outer_Full	4.53	5.00	/	Pass
	819	Outer_Full	4.53	4.99	/	Pass
	821.5	Outer_Full	4.53	5.02	/	Pass
DFT-s-OFDM 256 QAM	816.5	Outer_Full	4.53	5.02	/	Pass
	819	Outer_Full	4.55	5.02	/	Pass
	821.5	Outer_Full	4.54	5.00	/	Pass
CP-OFDM QPSK	816.5	Outer_Full	4.52	4.98	/	Pass
	819	Outer_Full	4.55	5.01	/	Pass
	821.5	Outer_Full	4.52	4.97	/	Pass
CP-OFDM 16 QAM	816.5	Outer_Full	4.53	5.00	/	Pass
	819	Outer_Full	4.51	5.01	/	Pass
	821.5	Outer_Full	4.52	4.99	/	Pass
CP-OFDM 64 QAM	816.5	Outer_Full	4.54	4.96	/	Pass
	819	Outer_Full	4.54	4.97	/	Pass

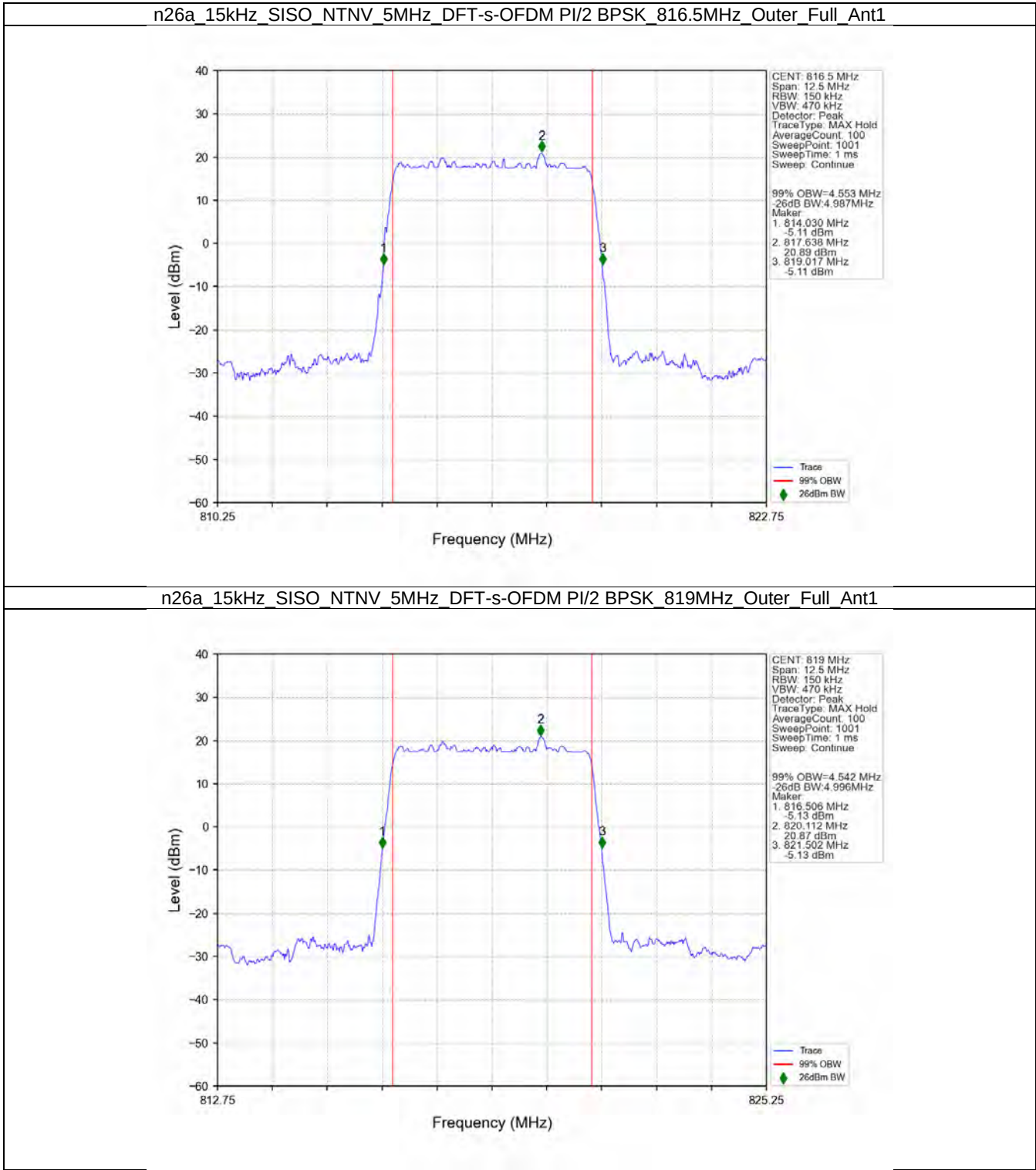
CP-OFDM 256 QAM	821.5	Outer_Full	4.54	4.98	/	Pass
	816.5	Outer_Full	4.52	4.98	/	Pass
	819	Outer_Full	4.53	4.99	/	Pass
	821.5	Outer_Full	4.52	4.98	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

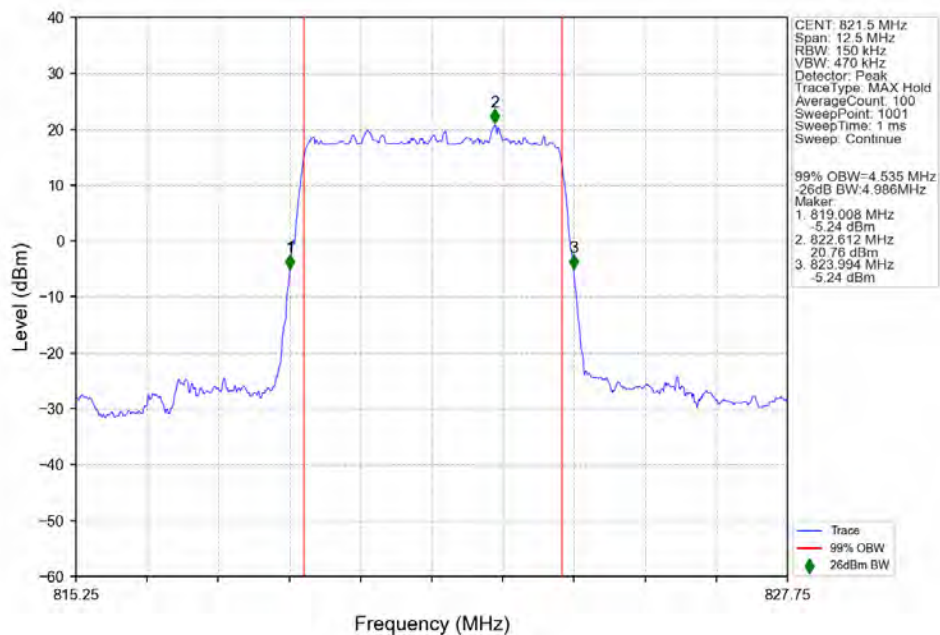
5G NR n26a SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	819	Outer_Full	9.04	9.73	/	Pass
DFT-s-OFDM QPSK	819	Outer_Full	9.02	9.68	/	Pass
DFT-s-OFDM 16 QAM	819	Outer_Full	9.06	9.72	/	Pass
DFT-s-OFDM 64 QAM	819	Outer_Full	9.02	9.75	/	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	9.04	9.71	/	Pass
CP-OFDM QPSK	819	Outer_Full	9.38	10.07	/	Pass
CP-OFDM 16 QAM	819	Outer_Full	9.37	10.07	/	Pass
CP-OFDM 64 QAM	819	Outer_Full	9.36	10.11	/	Pass
CP-OFDM 256 QAM	819	Outer_Full	9.38	10.09	/	Pass

3.2 Test Graph

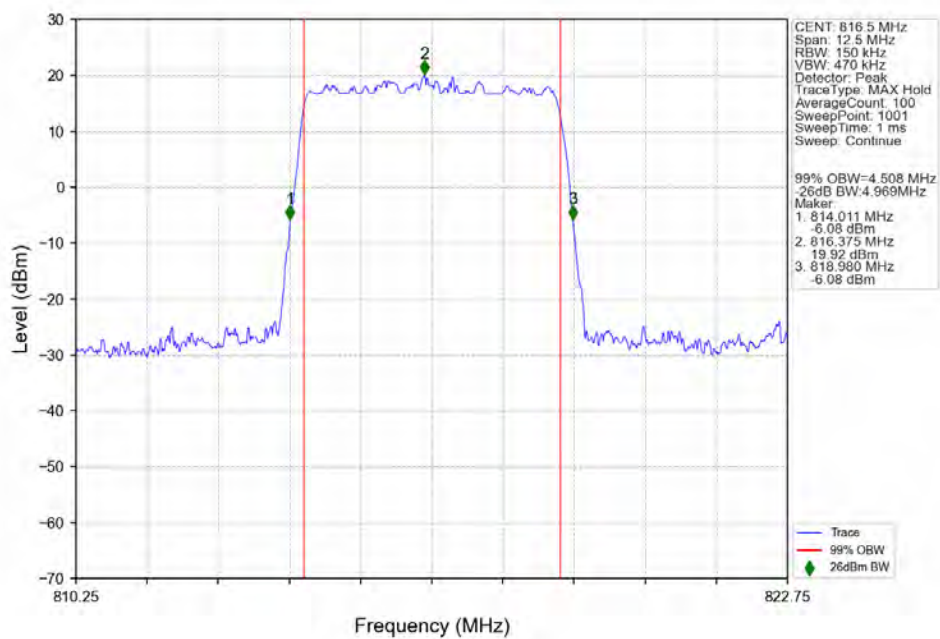
3.2.1 15k_SISO_5MHz_NTNV



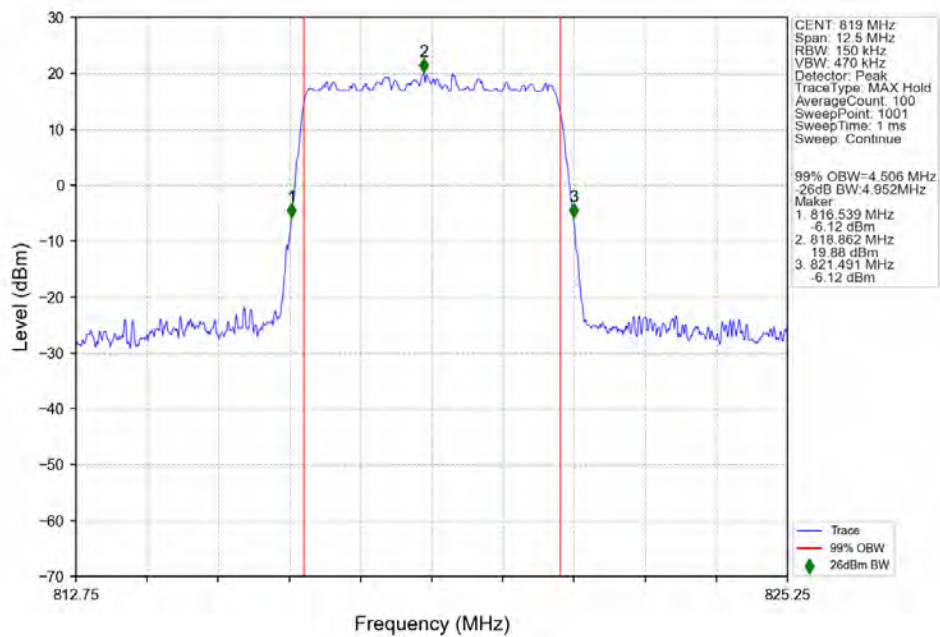
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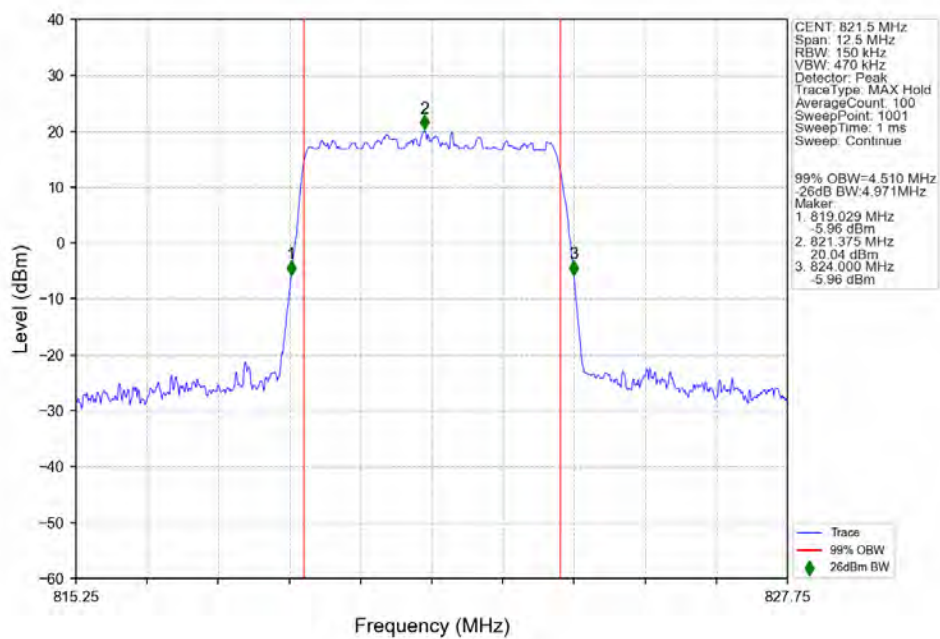
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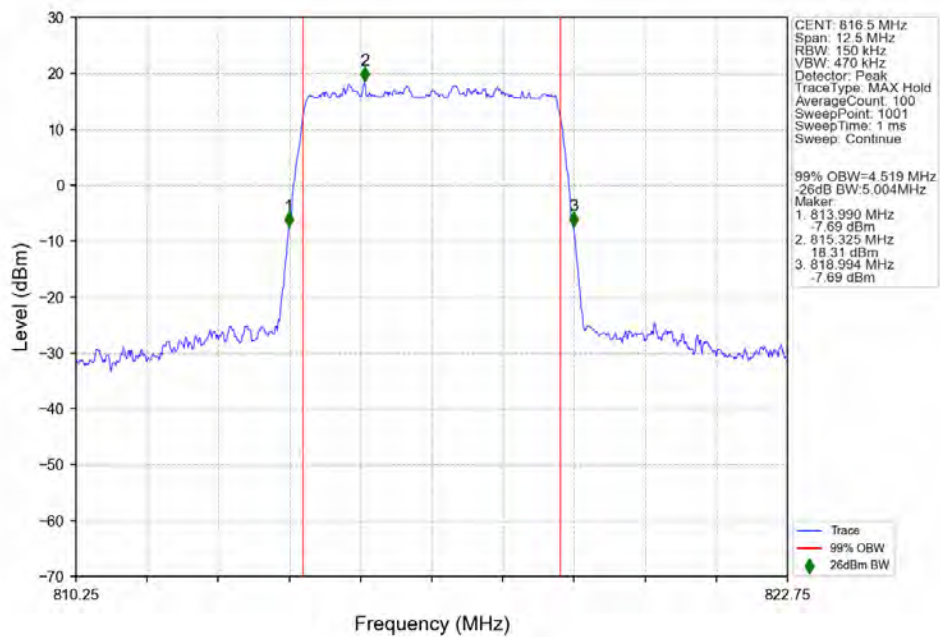
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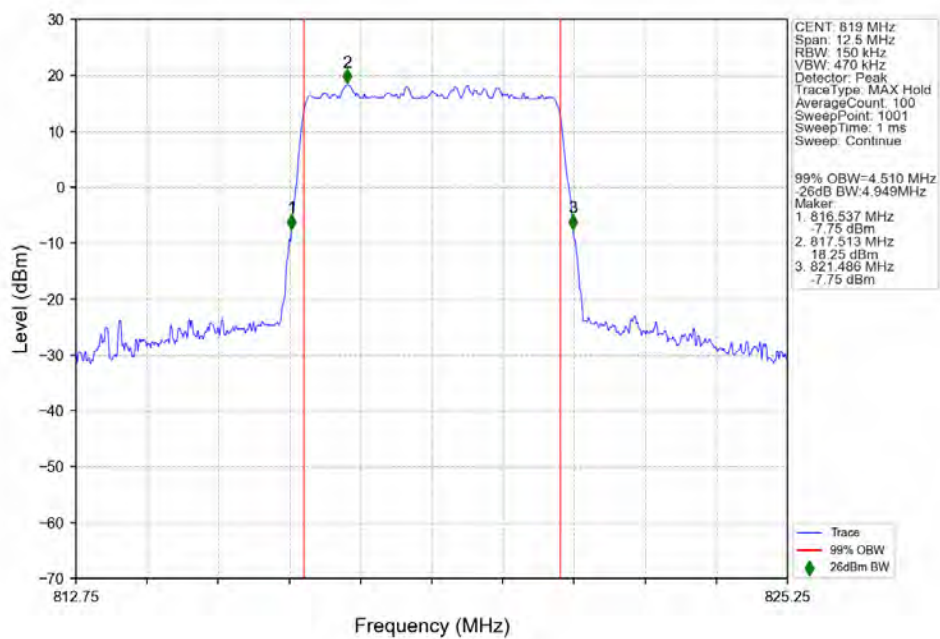
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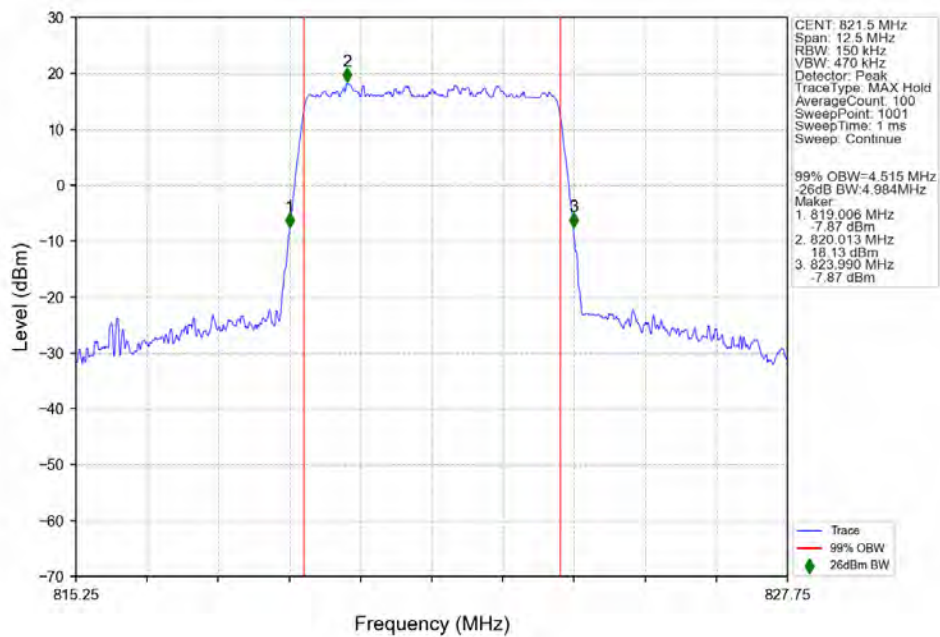
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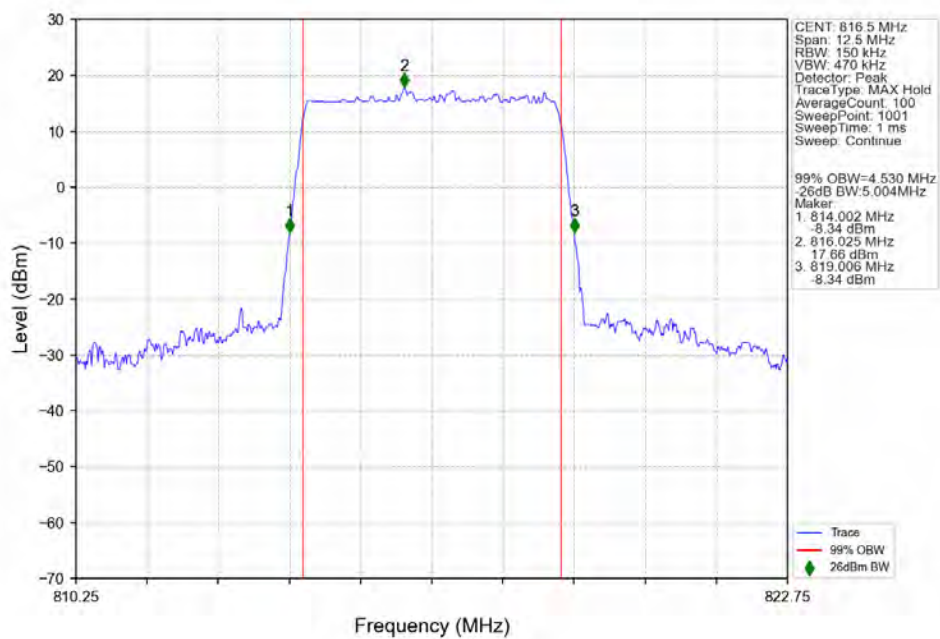
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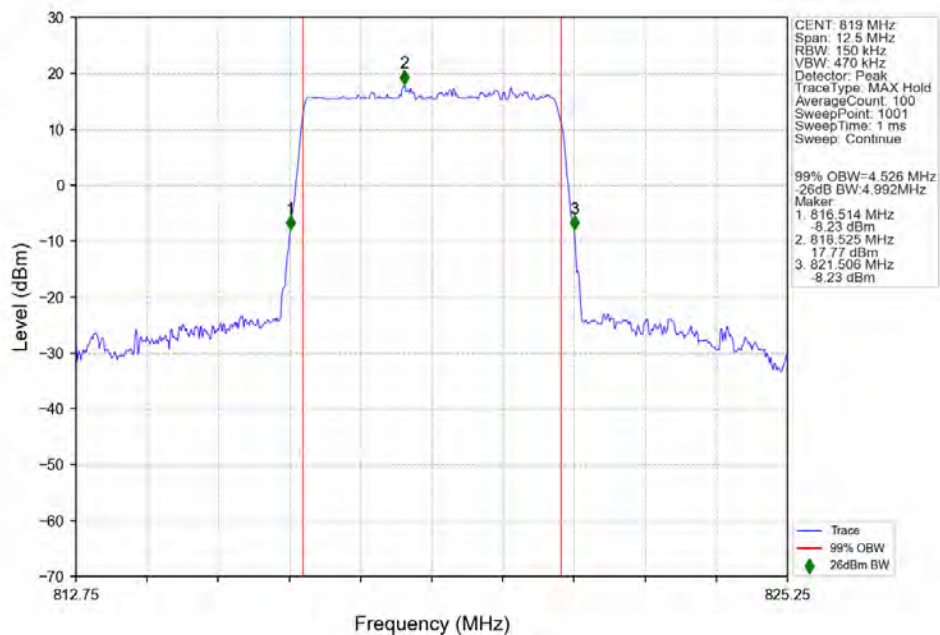
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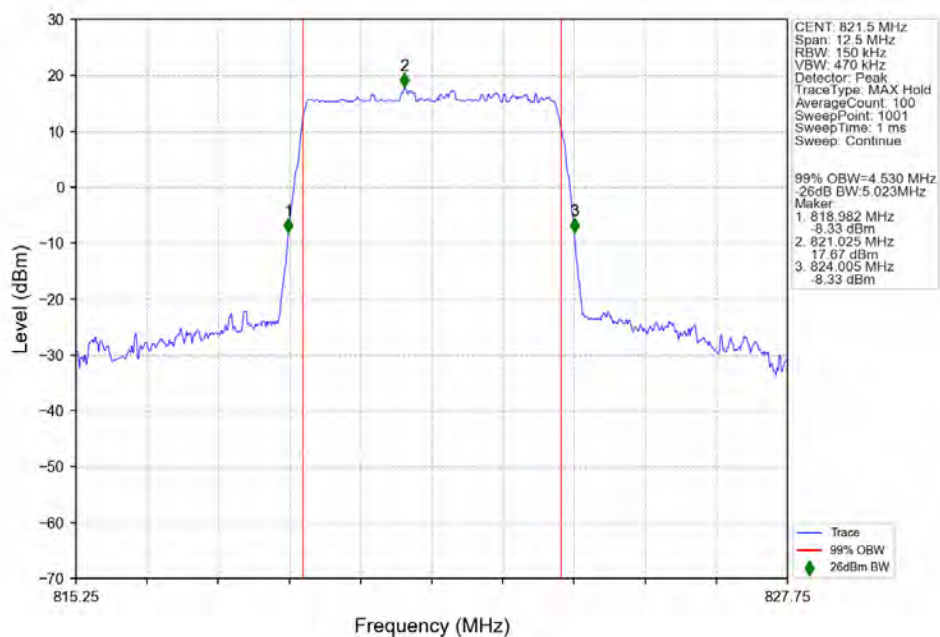
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 816.5MHz Outer Full Ant1



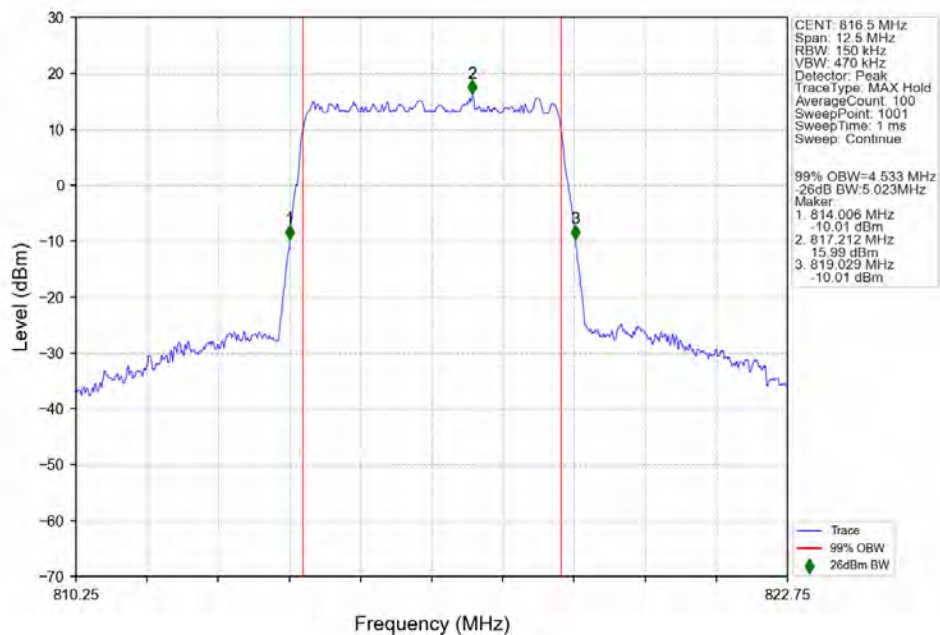
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 819MHz Outer Full Ant1



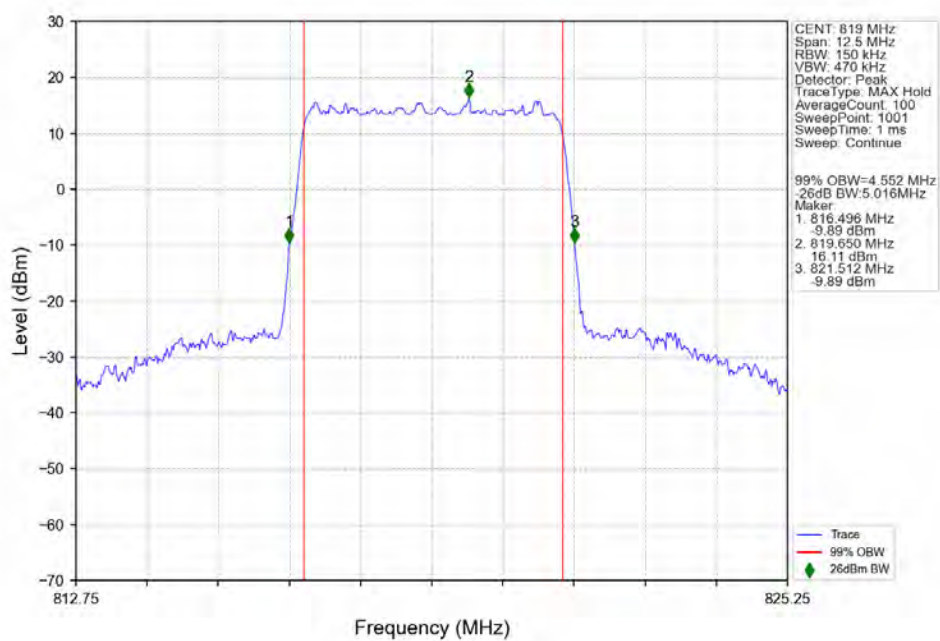
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 821.5MHz Outer Full Ant1



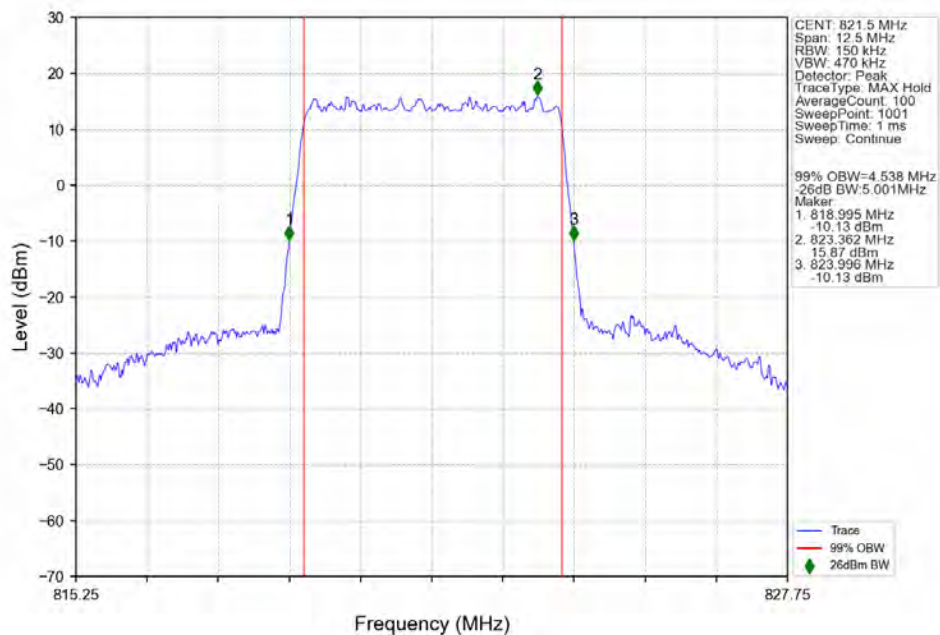
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 816.5MHz Outer Full Ant1



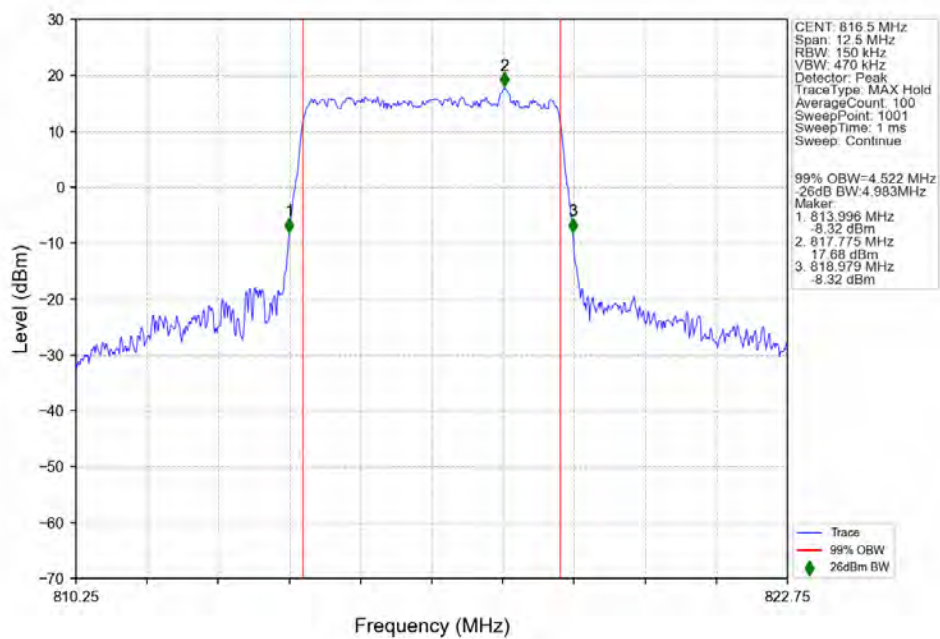
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



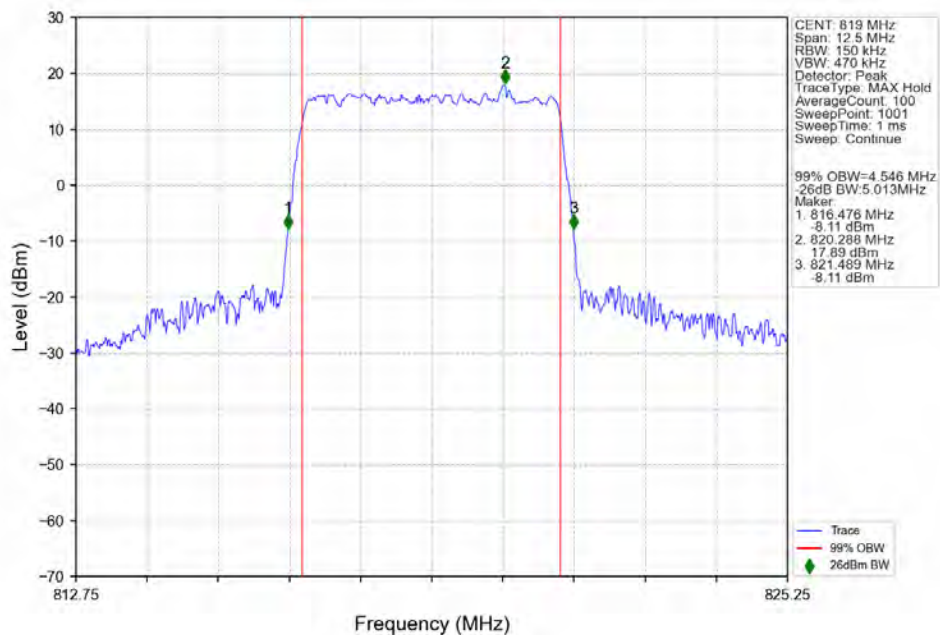
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 821.5MHz Outer Full Ant1



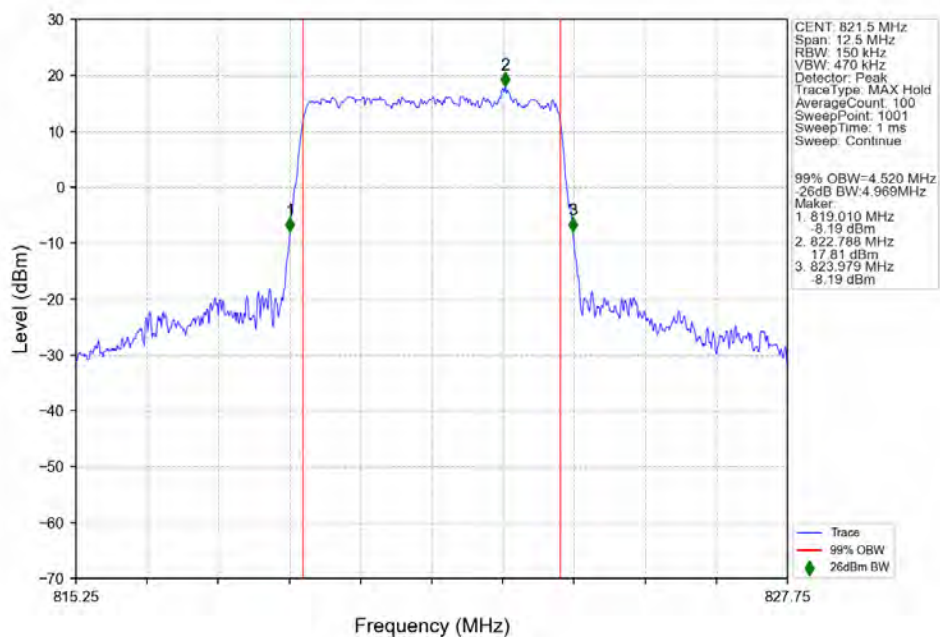
n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 816.5MHz Outer Full Ant1



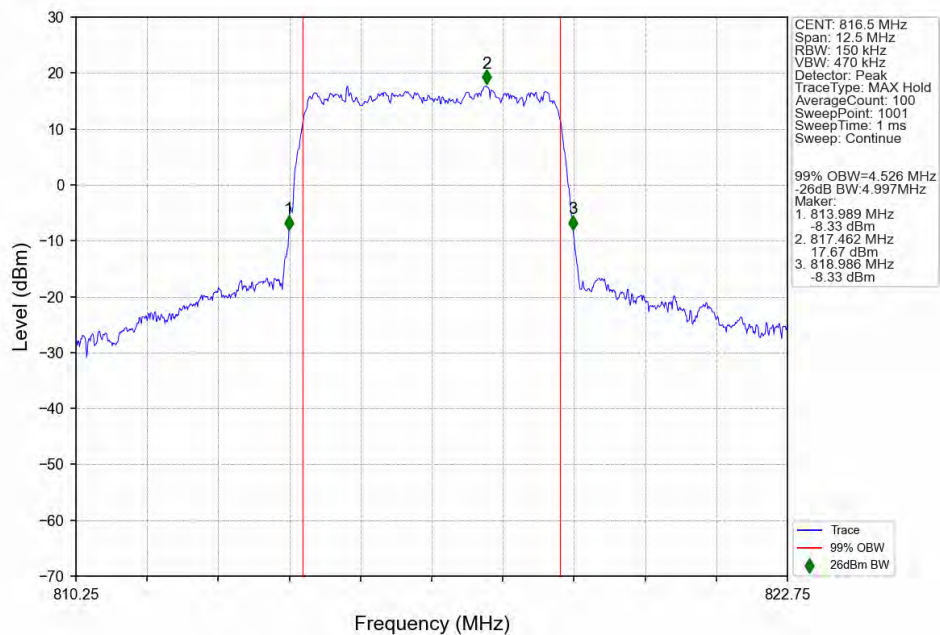
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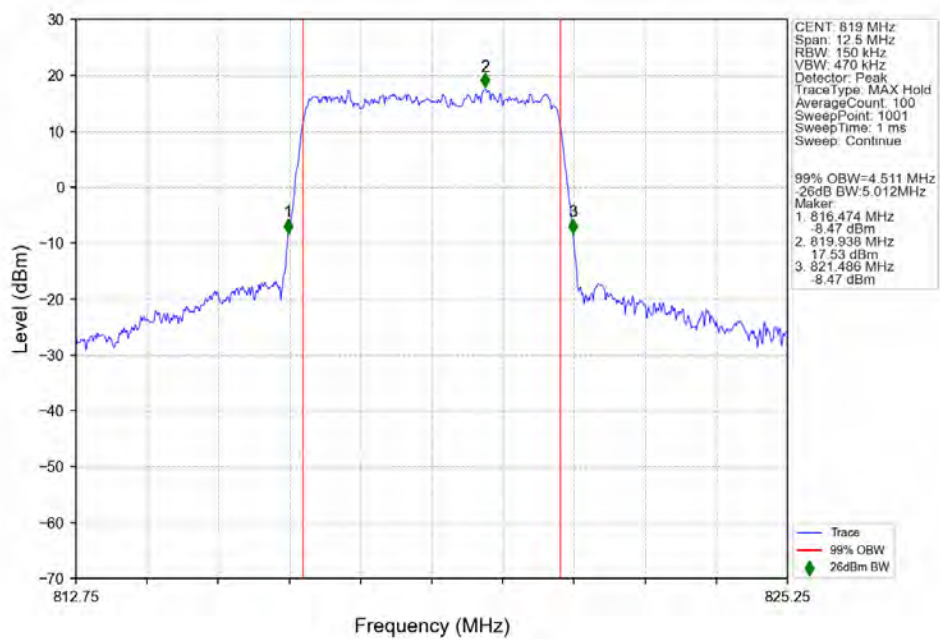
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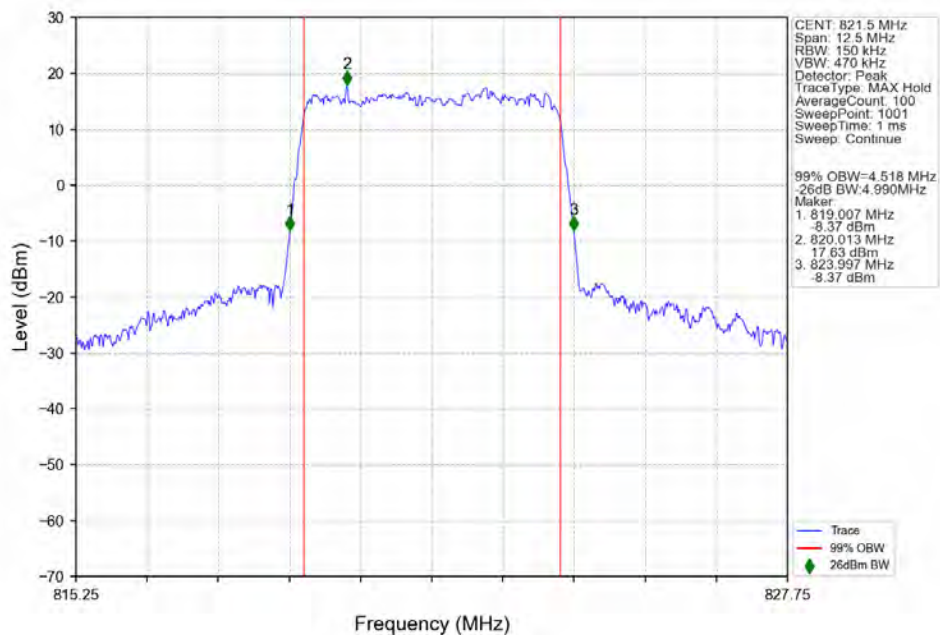
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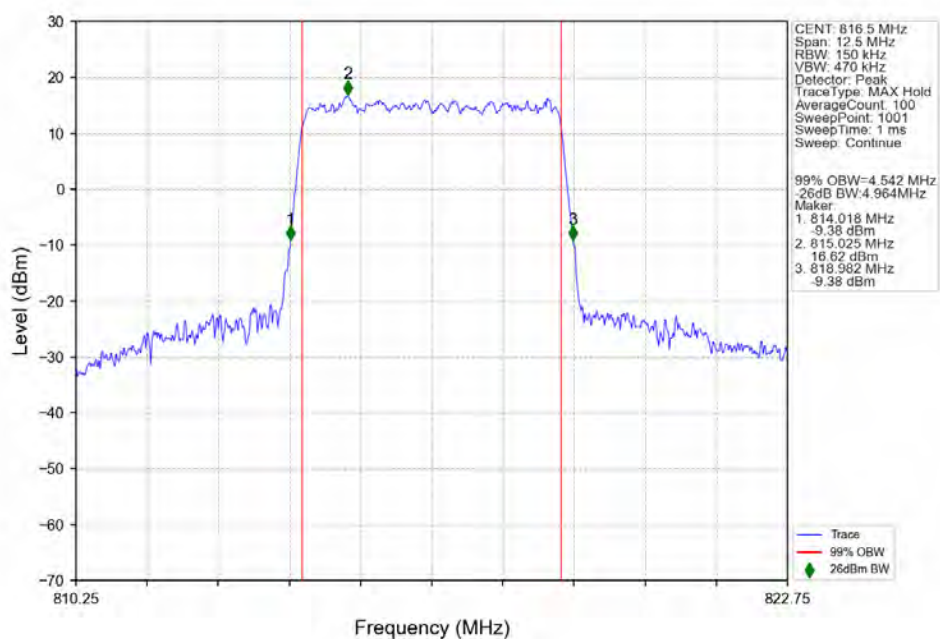
n26a 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 819MHz Outer Full Ant1



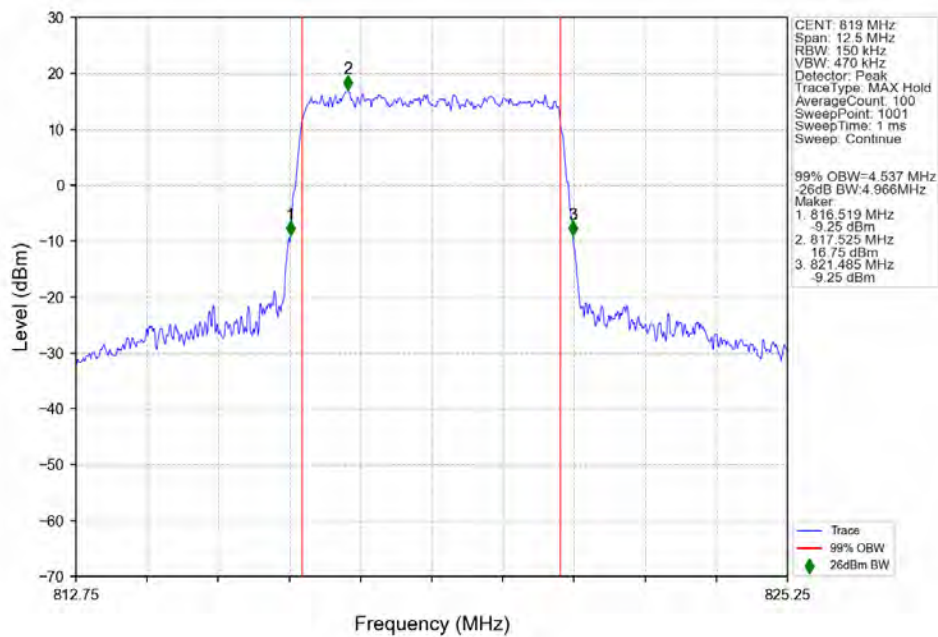
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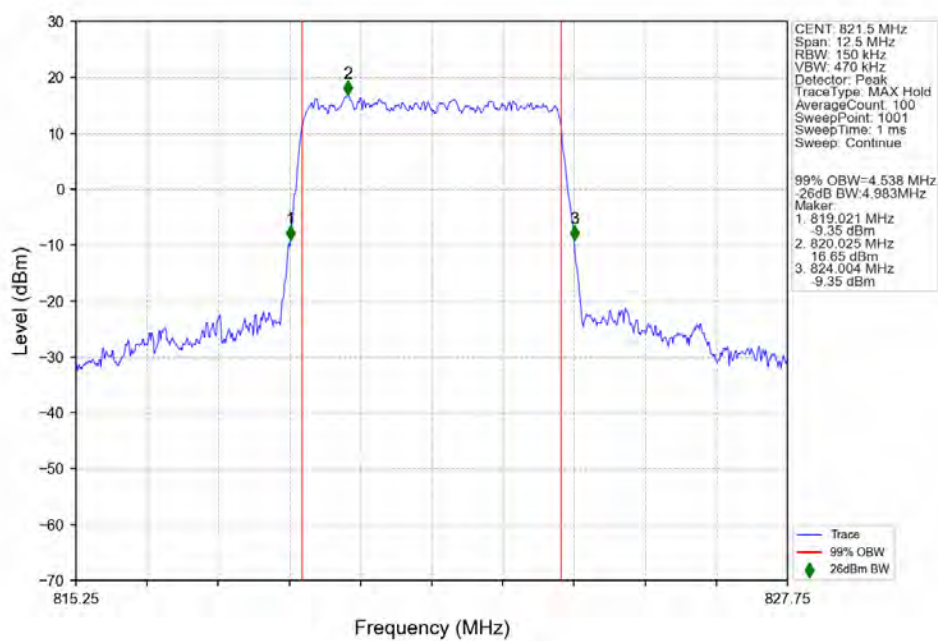
n26a 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 816.5MHz Outer Full Ant1



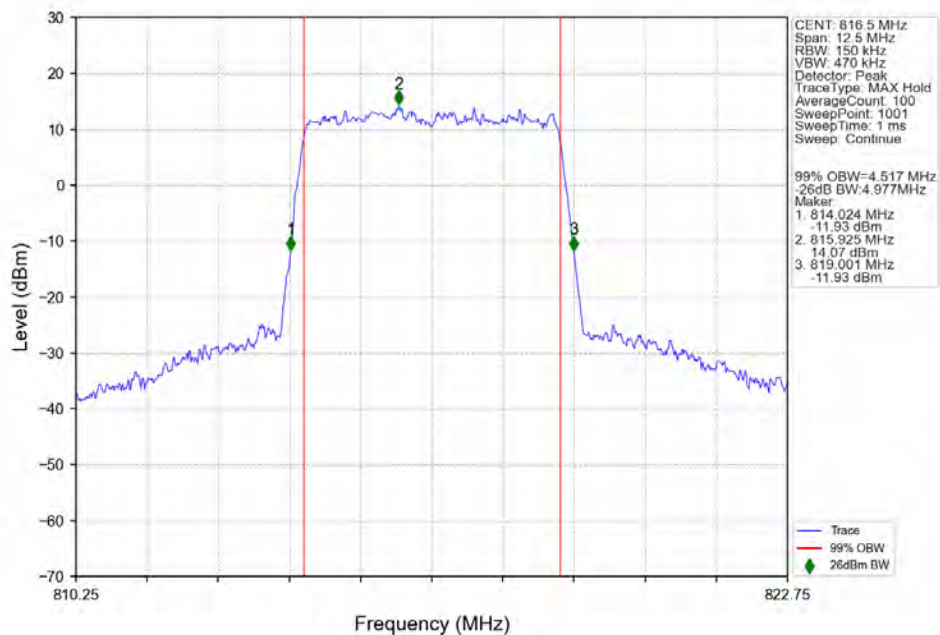
n26a 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 819MHz Outer Full Ant1



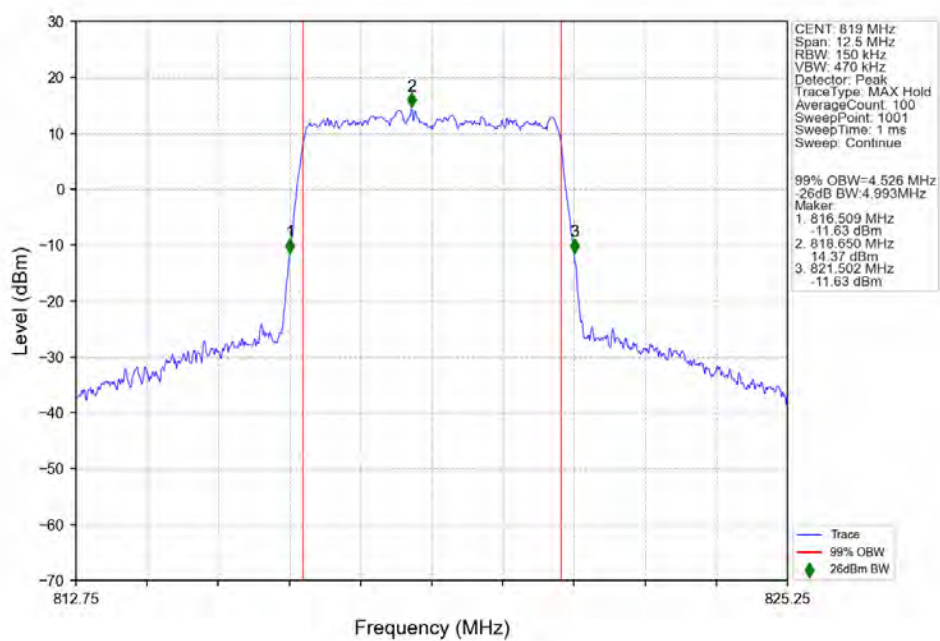
n26a 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 821.5MHz Outer Full Ant1



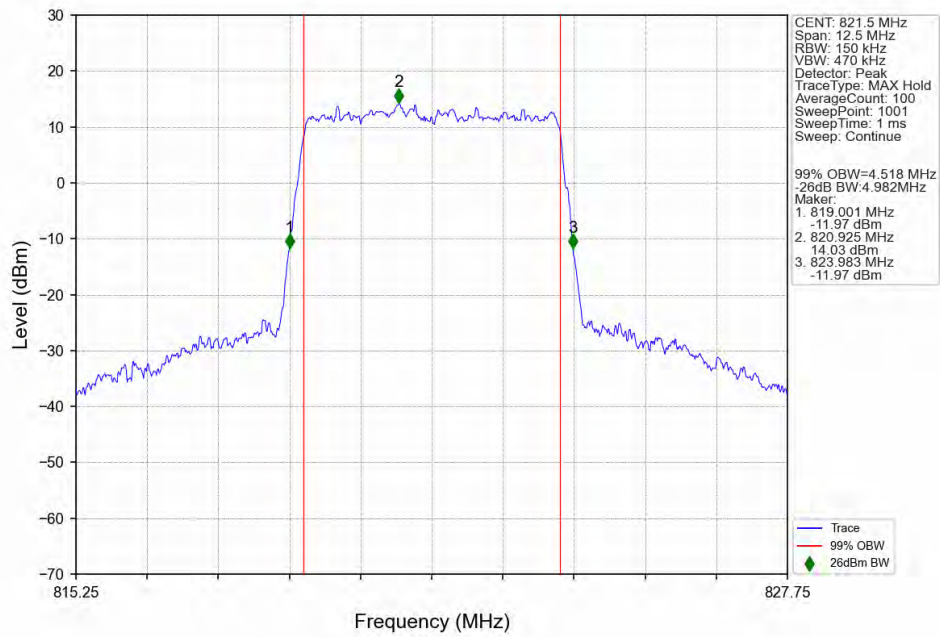
n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 816.5MHz Outer Full Ant1



n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1

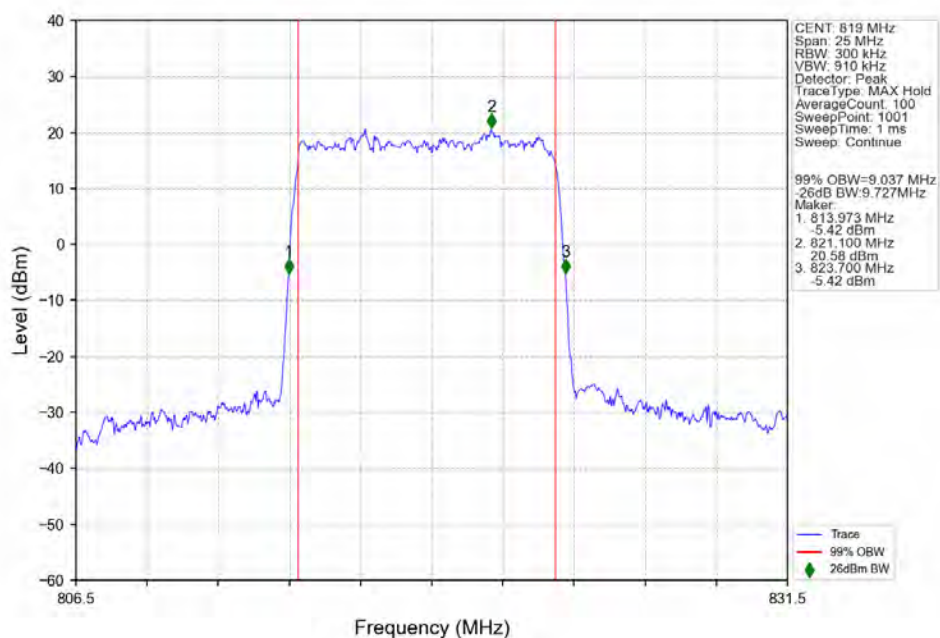


n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 821.5MHz Outer Full Ant1

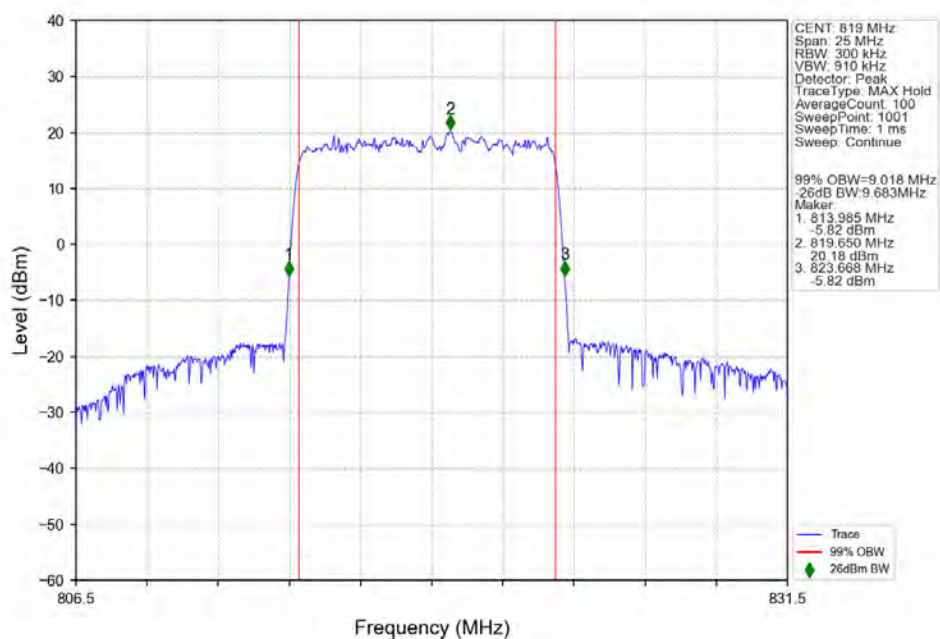


3.2.2 15k_SISO_10MHz_NTNV

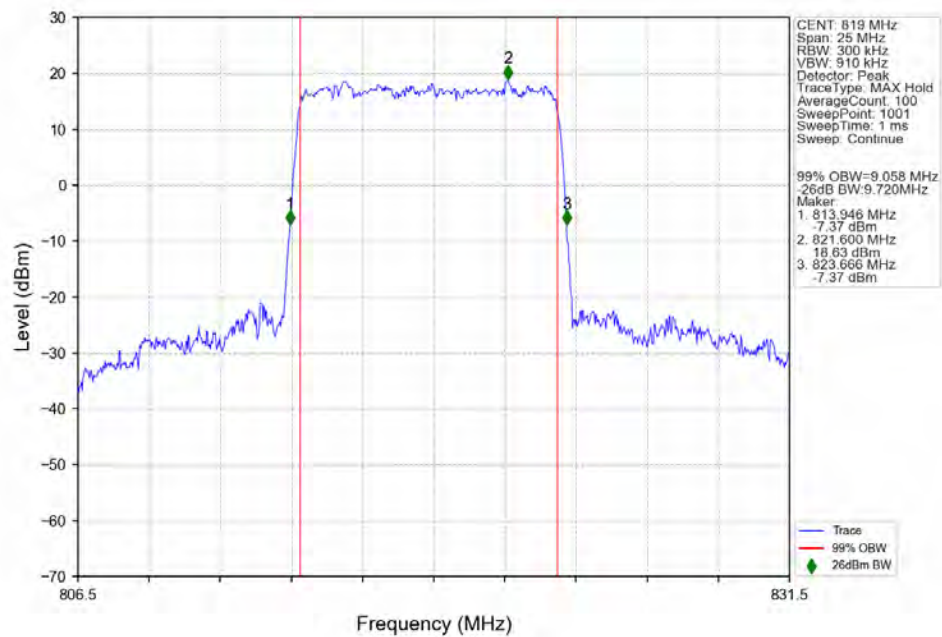
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Outer_Full_Ant1



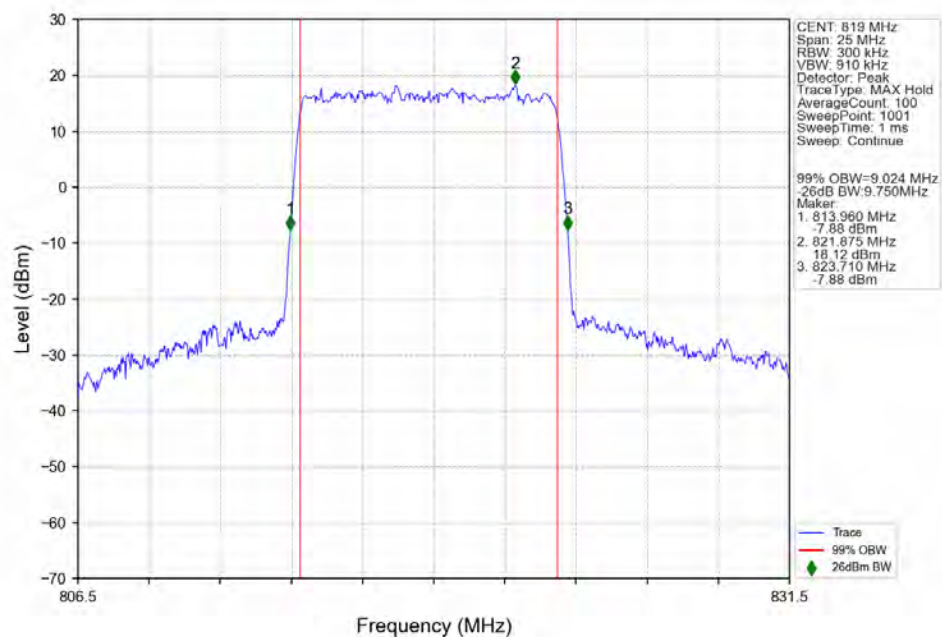
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Outer_Full_Ant1



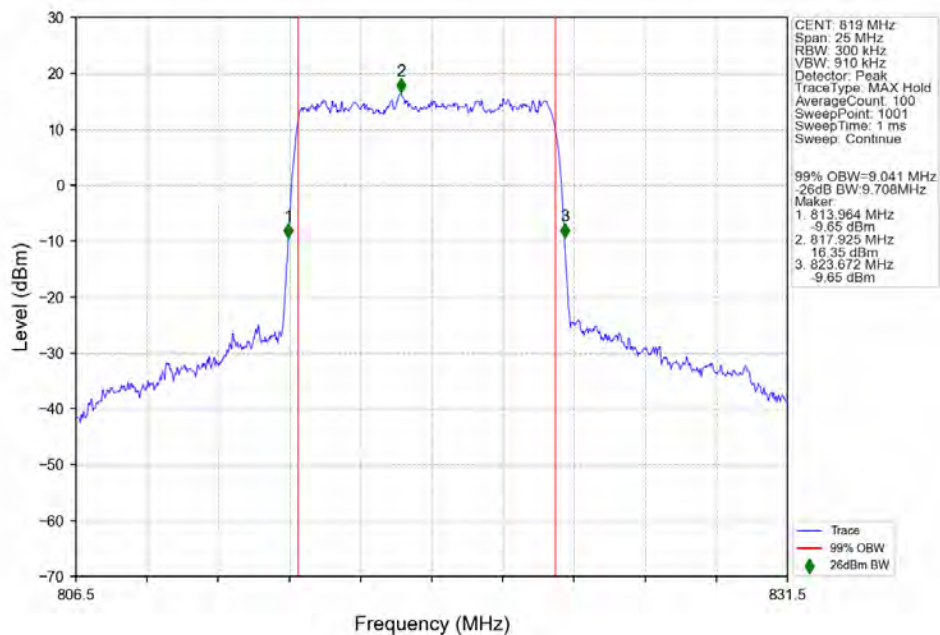
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 819MHz Outer Full Ant1



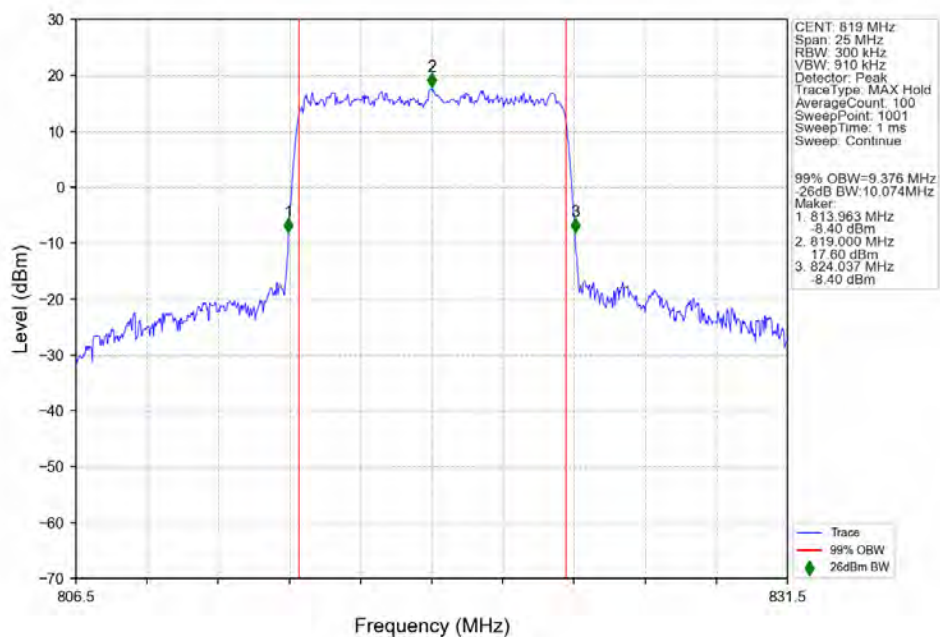
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 819MHz Outer Full Ant1



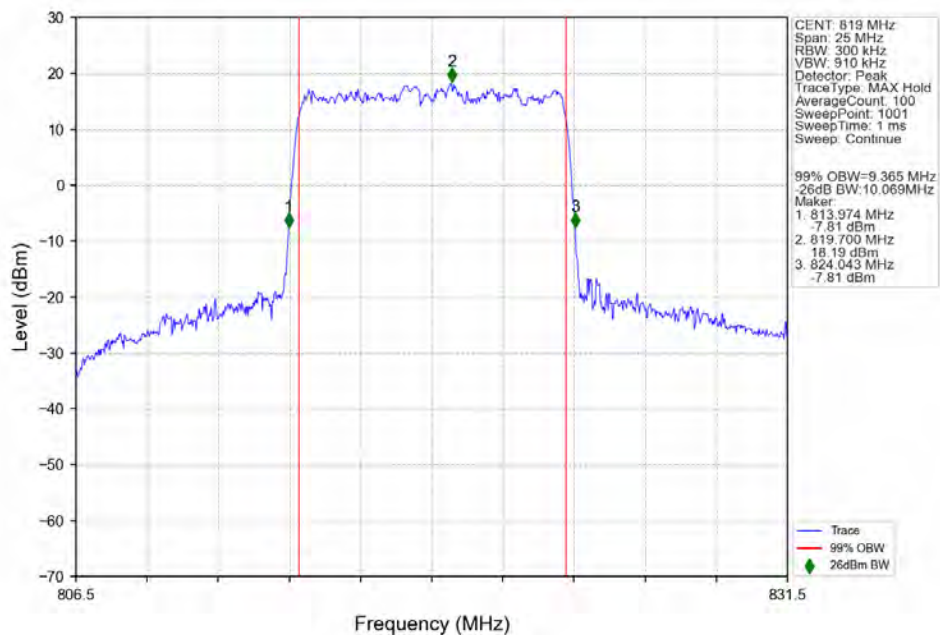
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



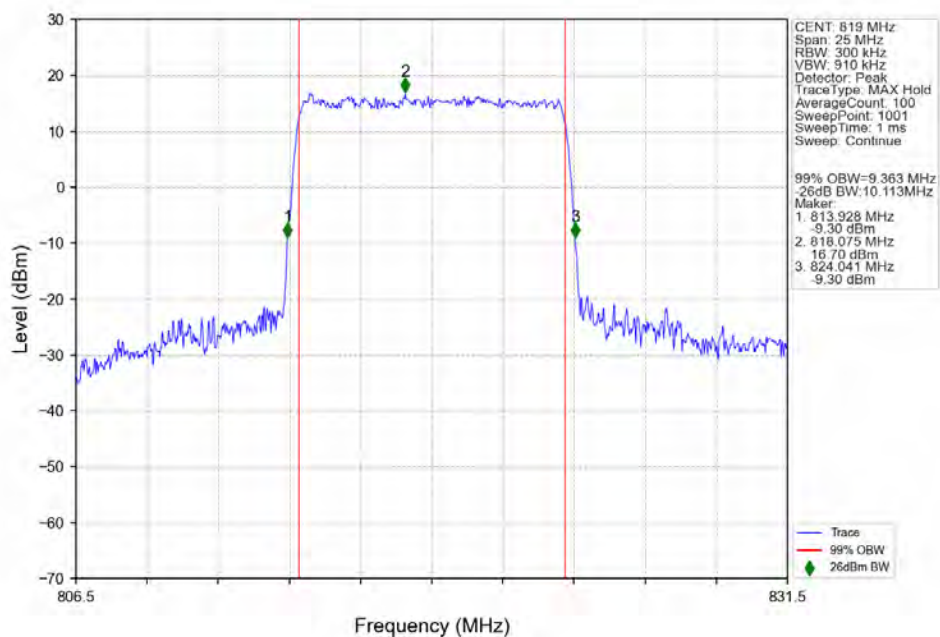
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1

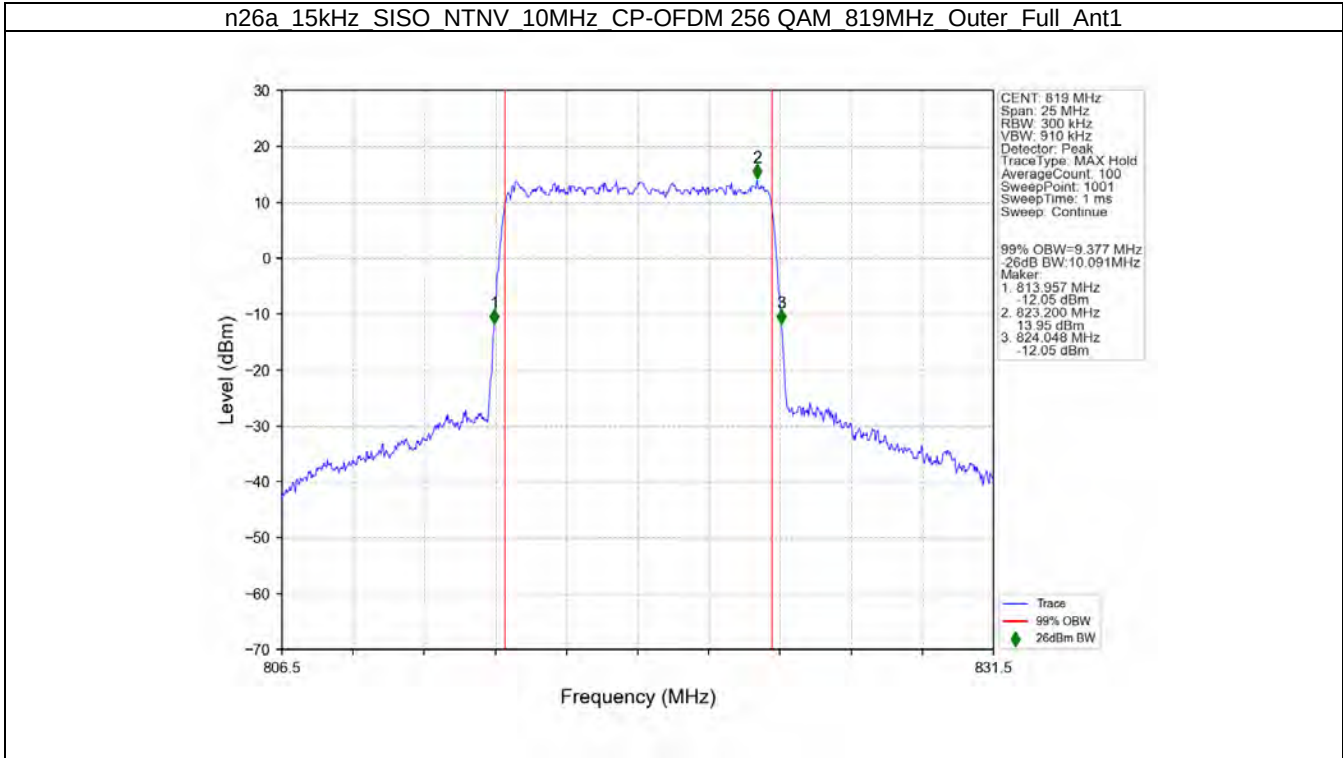


n26a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 819MHz Outer Full Ant1



n26a 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 819MHz Outer Full Ant1





4. Peak-Average Ratio

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

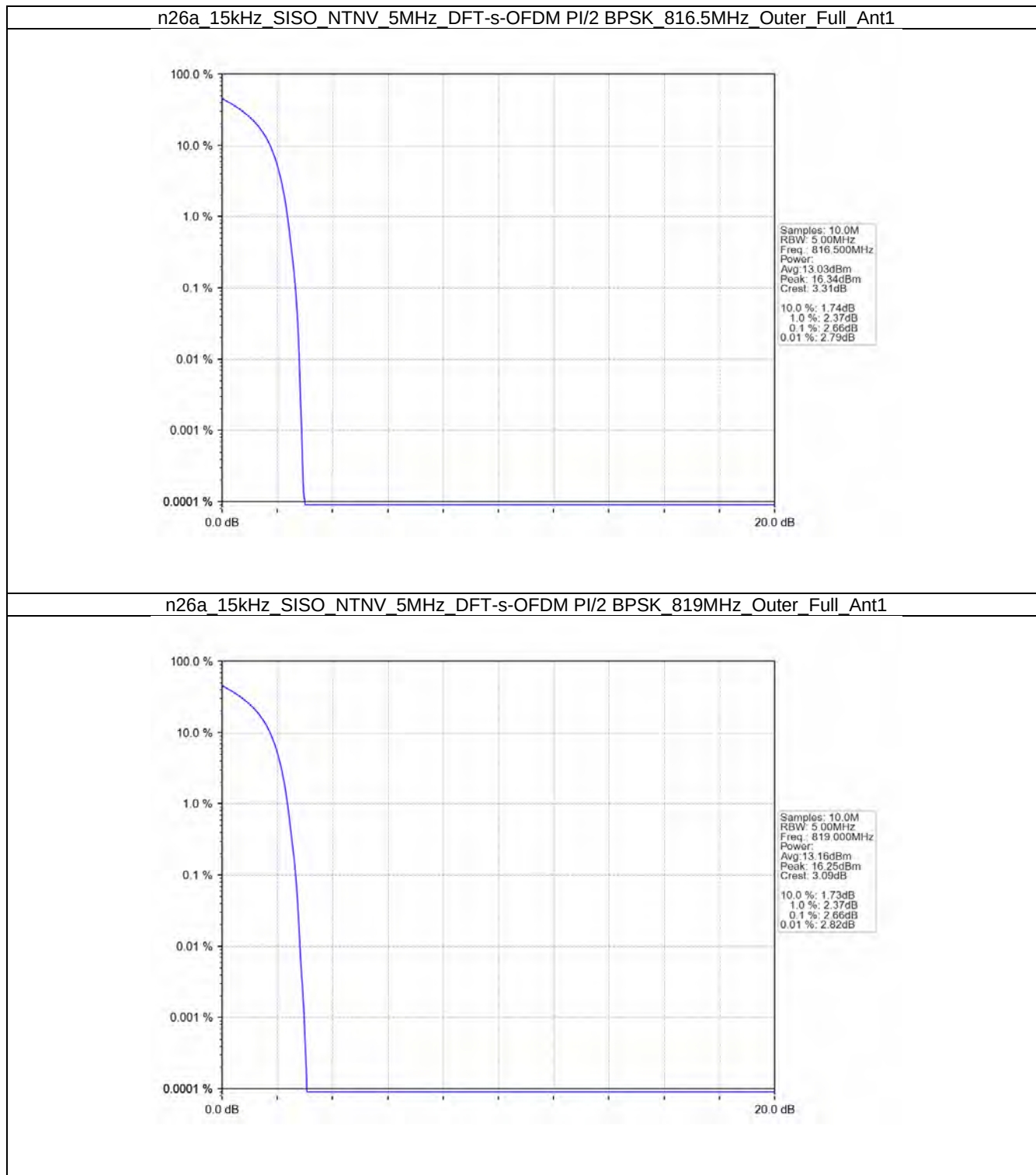
5G NR n26a SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	816.5	Outer_Full	2.66	/	/	<=13	Pass
	819	Outer_Full	2.66	/	/	<=13	Pass
	821.5	Outer_Full	2.65	/	/	<=13	Pass
DFT-s-OFDM QPSK	816.5	Outer_Full	3.17	/	/	<=13	Pass
	819	Outer_Full	3.17	/	/	<=13	Pass
	821.5	Outer_Full	3.16	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	816.5	Outer_Full	3.09	/	/	<=13	Pass
	819	Outer_Full	3.09	/	/	<=13	Pass
	821.5	Outer_Full	3.10	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	816.5	Outer_Full	3.10	/	/	<=13	Pass
	819	Outer_Full	3.11	/	/	<=13	Pass
	821.5	Outer_Full	3.10	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	816.5	Outer_Full	3.18	/	/	<=13	Pass
	819	Outer_Full	3.18	/	/	<=13	Pass
	821.5	Outer_Full	3.19	/	/	<=13	Pass
CP-OFDM QPSK	816.5	Outer_Full	3.38	/	/	<=13	Pass
	819	Outer_Full	3.39	/	/	<=13	Pass
	821.5	Outer_Full	3.40	/	/	<=13	Pass
CP-OFDM 16 QAM	816.5	Outer_Full	3.42	/	/	<=13	Pass
	819	Outer_Full	3.40	/	/	<=13	Pass
	821.5	Outer_Full	3.42	/	/	<=13	Pass
CP-OFDM 64 QAM	816.5	Outer_Full	3.43	/	/	<=13	Pass
	819	Outer_Full	3.43	/	/	<=13	Pass
	821.5	Outer_Full	3.44	/	/	<=13	Pass
CP-OFDM 256 QAM	816.5	Outer_Full	3.64	/	/	<=13	Pass
	819	Outer_Full	3.66	/	/	<=13	Pass
	821.5	Outer_Full	3.67	/	/	<=13	Pass

4.1.2 15k_SISO_10MHz_NTNV

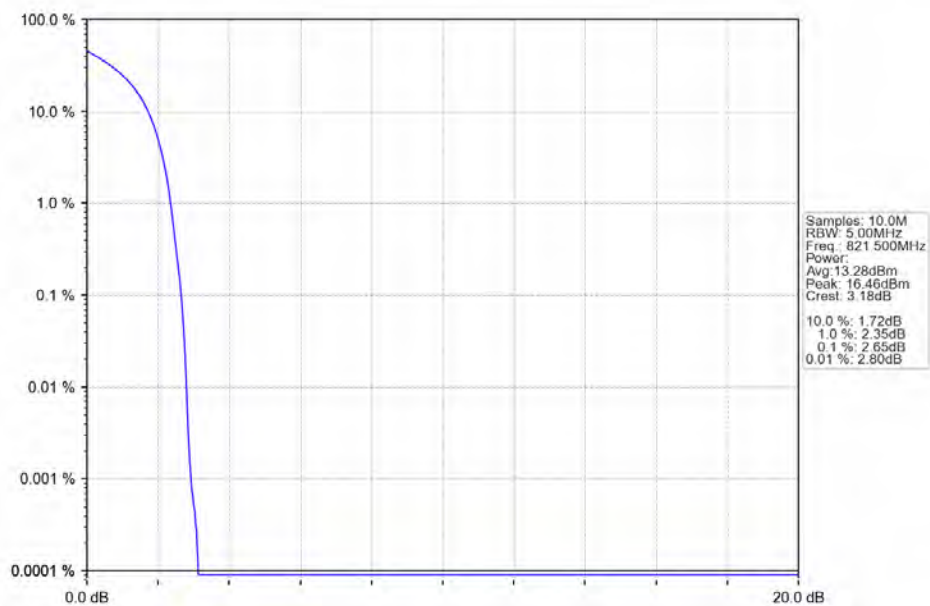
5G NR n26a SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	819	Outer_Full	3.97	/	/	<=13	Pass
DFT-s-OFDM QPSK	819	Outer_Full	4.39	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	819	Outer_Full	4.29	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	819	Outer_Full	4.30	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	819	Outer_Full	4.26	/	/	<=13	Pass
CP-OFDM QPSK	819	Outer_Full	4.42	/	/	<=13	Pass
CP-OFDM 16 QAM	819	Outer_Full	4.38	/	/	<=13	Pass
CP-OFDM 64 QAM	819	Outer_Full	4.36	/	/	<=13	Pass
CP-OFDM 256 QAM	819	Outer_Full	4.51	/	/	<=13	Pass

4.2 Test Graph

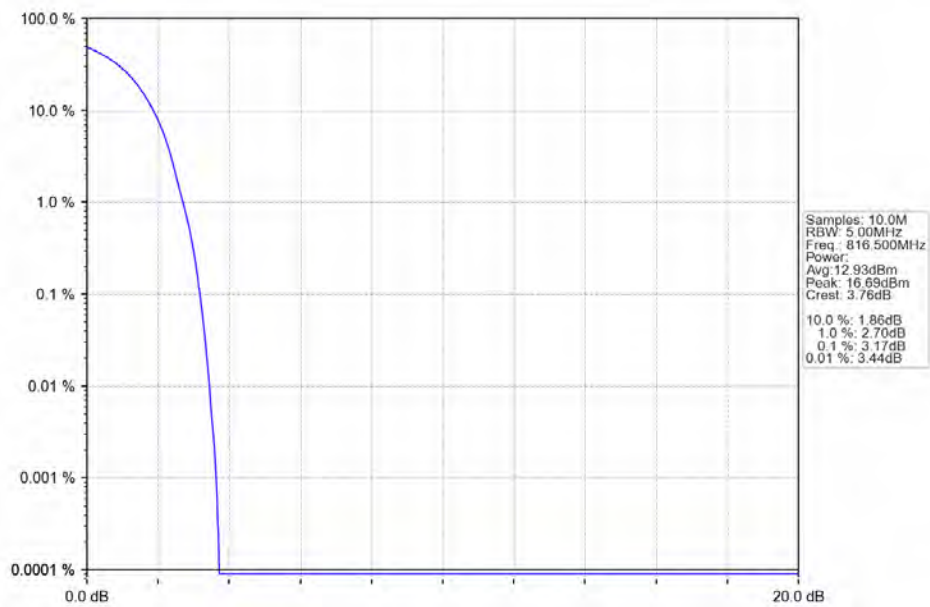
4.2.1 15k_SISO_5MHz_NTNV



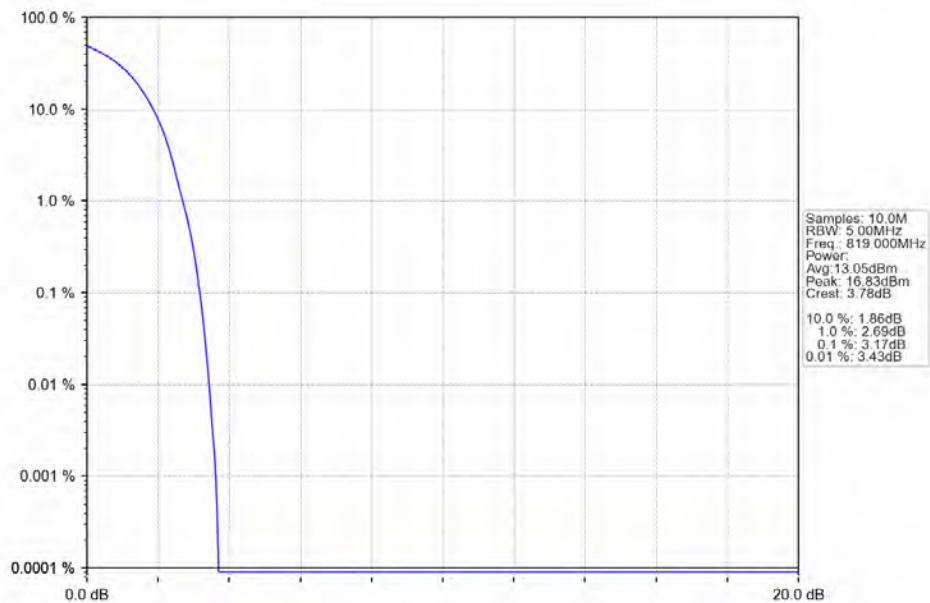
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_821.5MHz_Outer_Full_Ant1



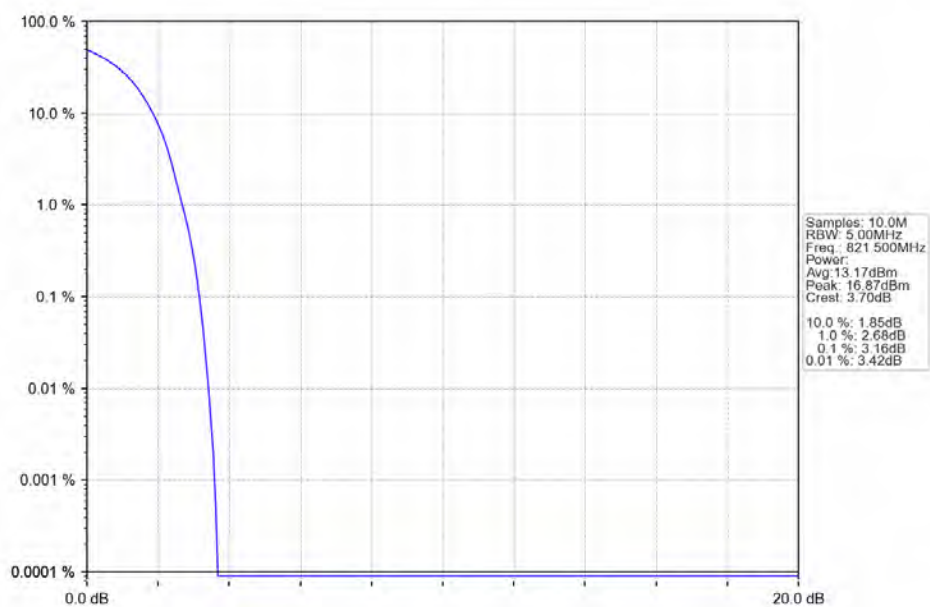
n26a_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_816.5MHz_Outer_Full_Ant1



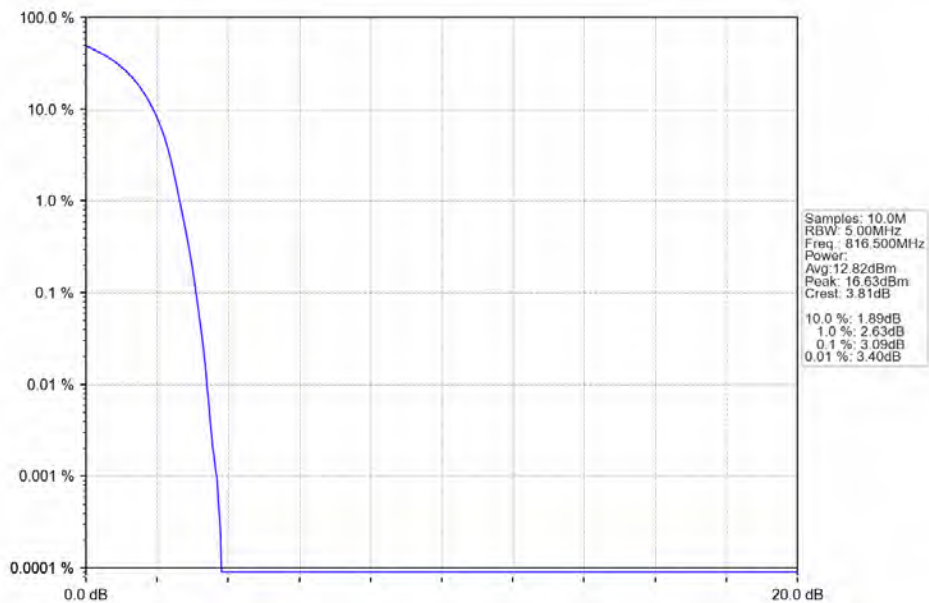
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 819MHz Outer Full Ant1



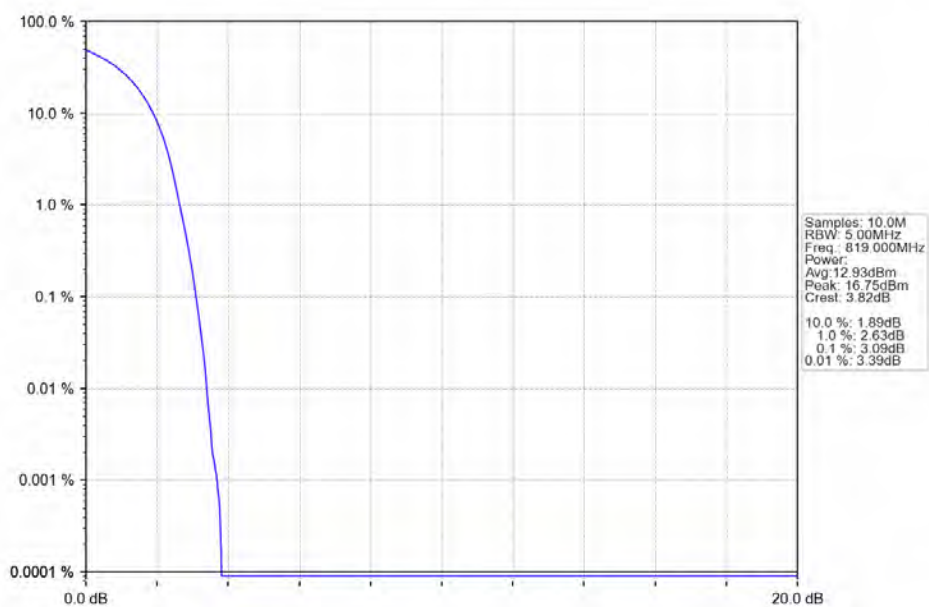
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 821.5MHz Outer Full Ant1



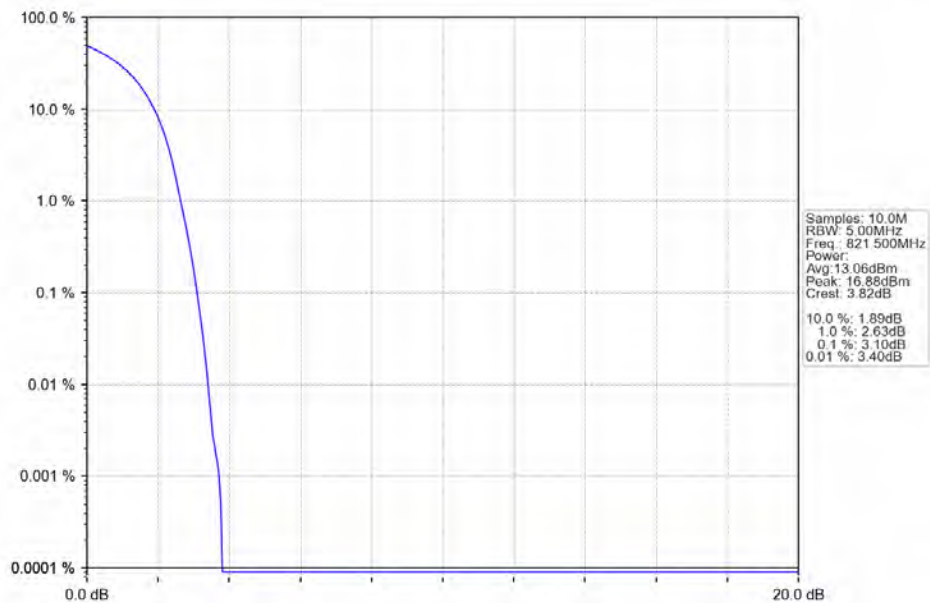
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 816.5MHz Outer Full Ant1



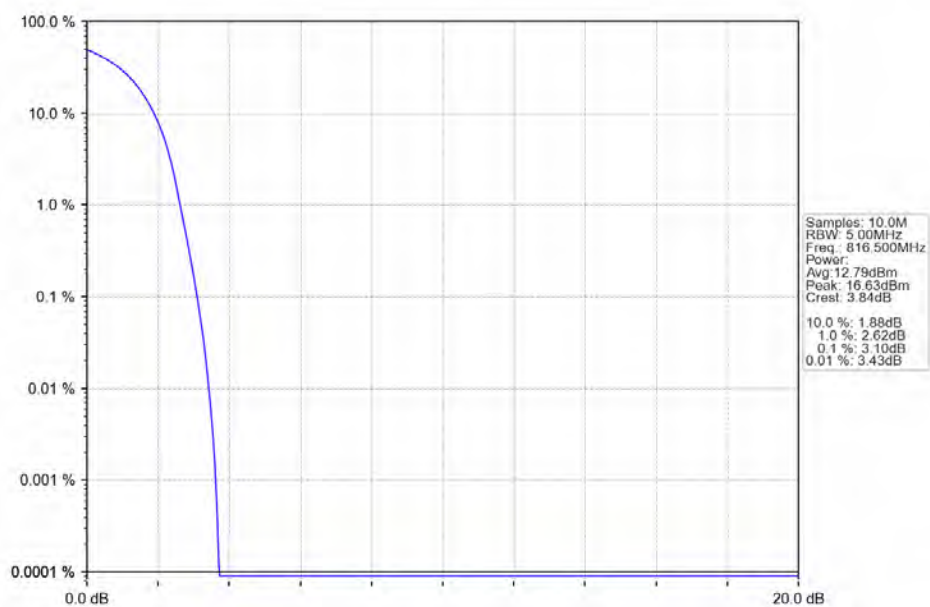
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 819MHz Outer Full Ant1



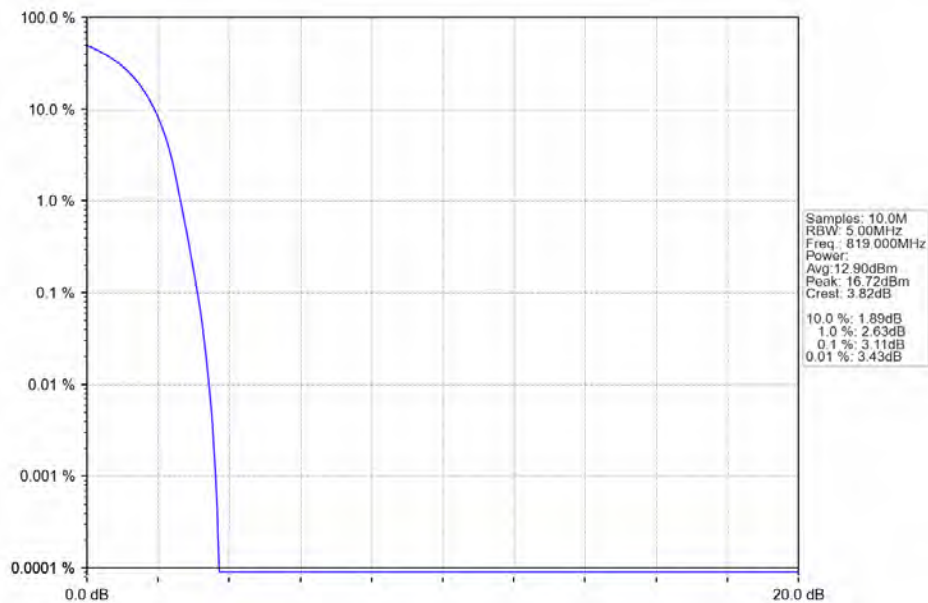
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 821.5MHz Outer Full Ant1



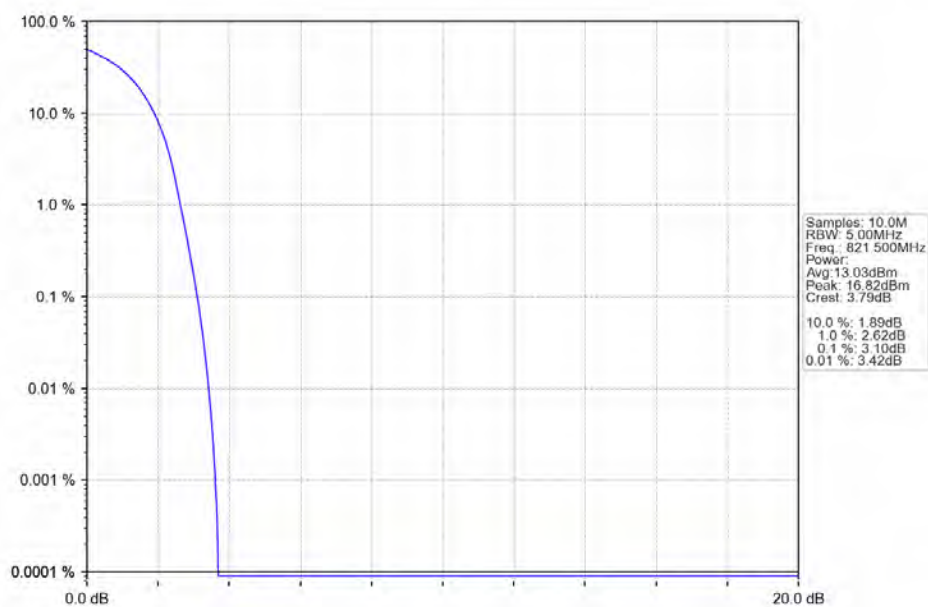
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 816.5MHz Outer Full Ant1



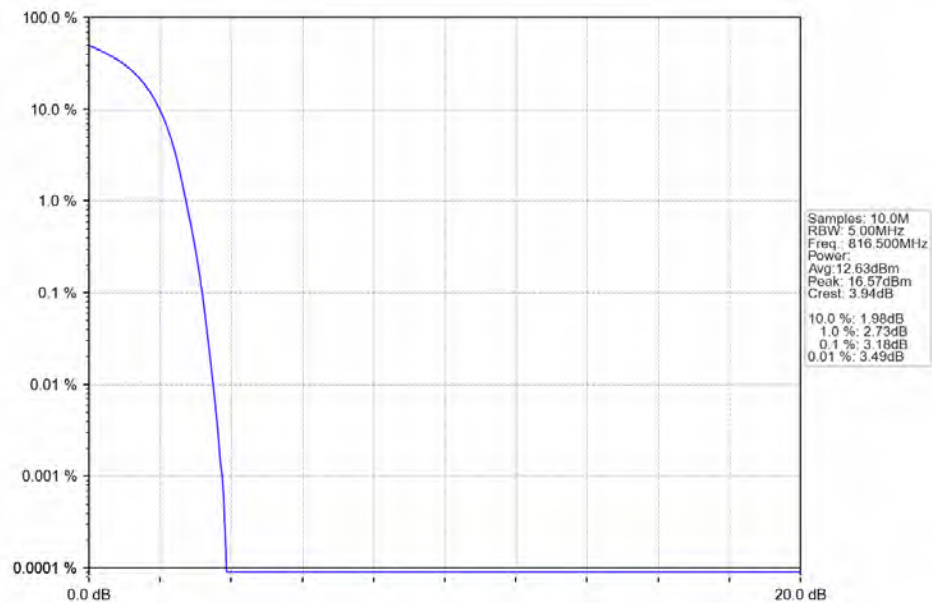
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 819MHz Outer Full Ant1



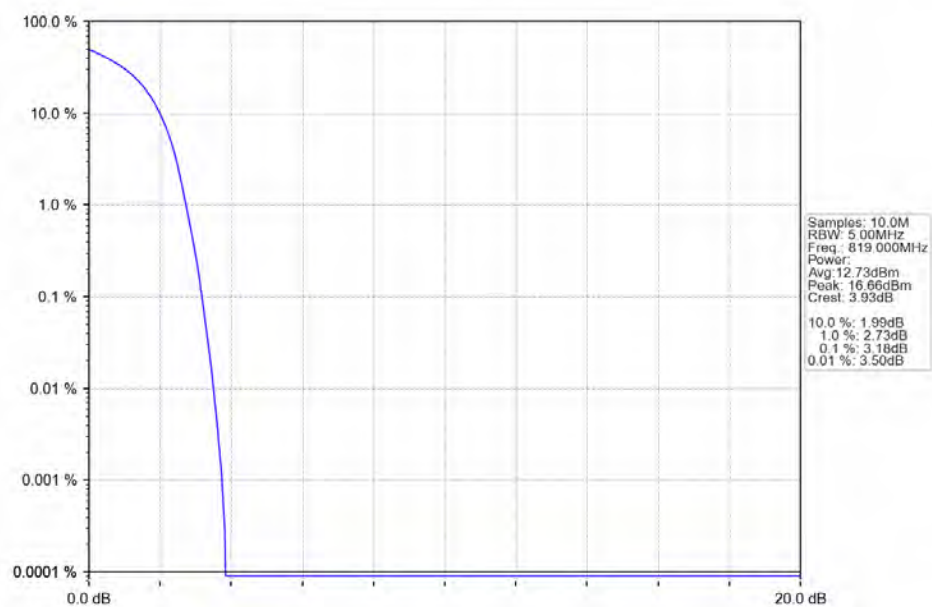
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 821.5MHz Outer Full Ant1



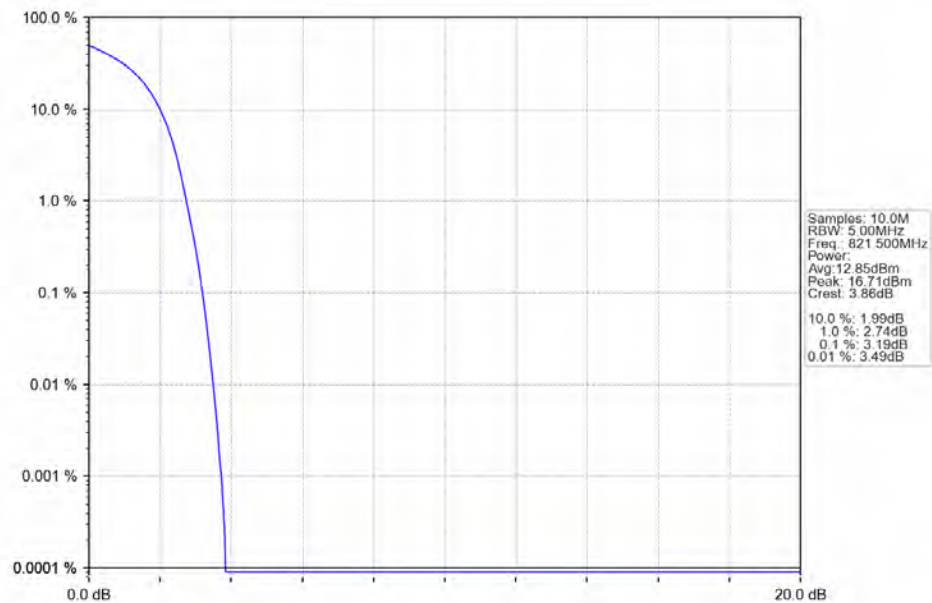
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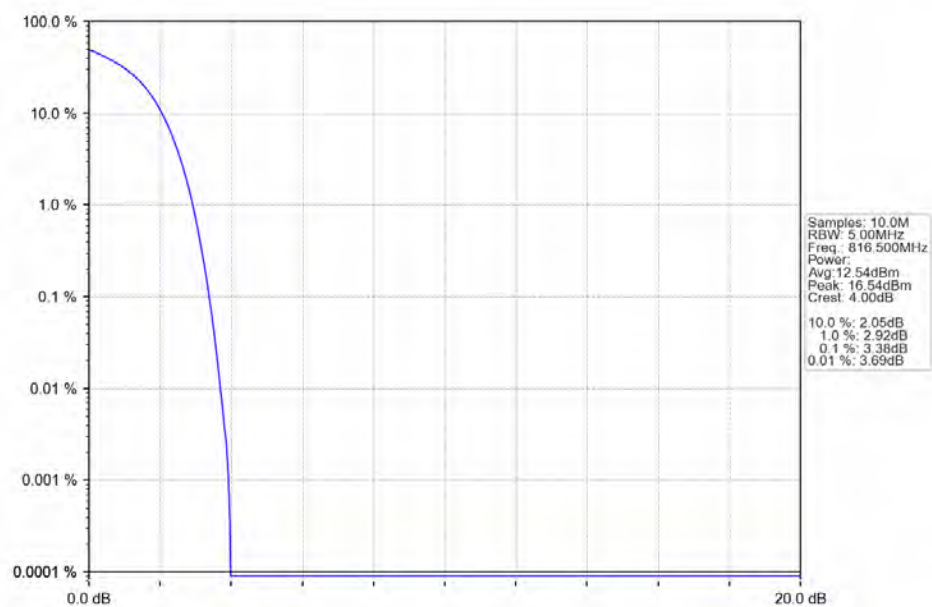
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



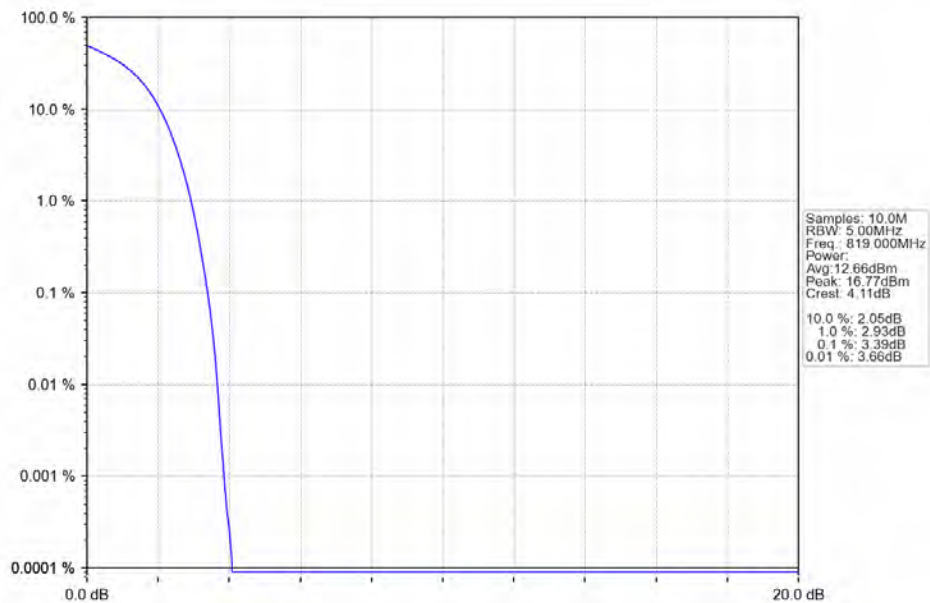
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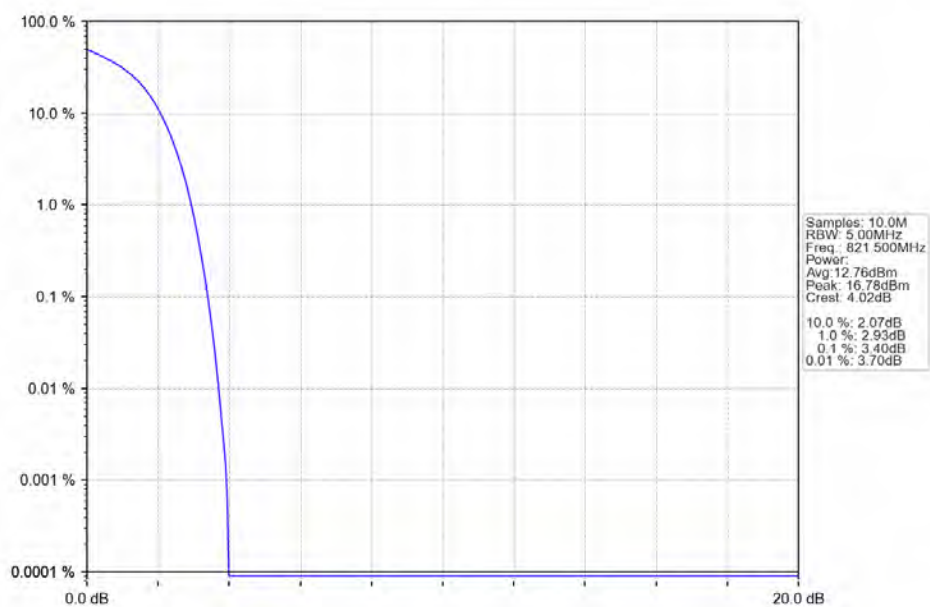
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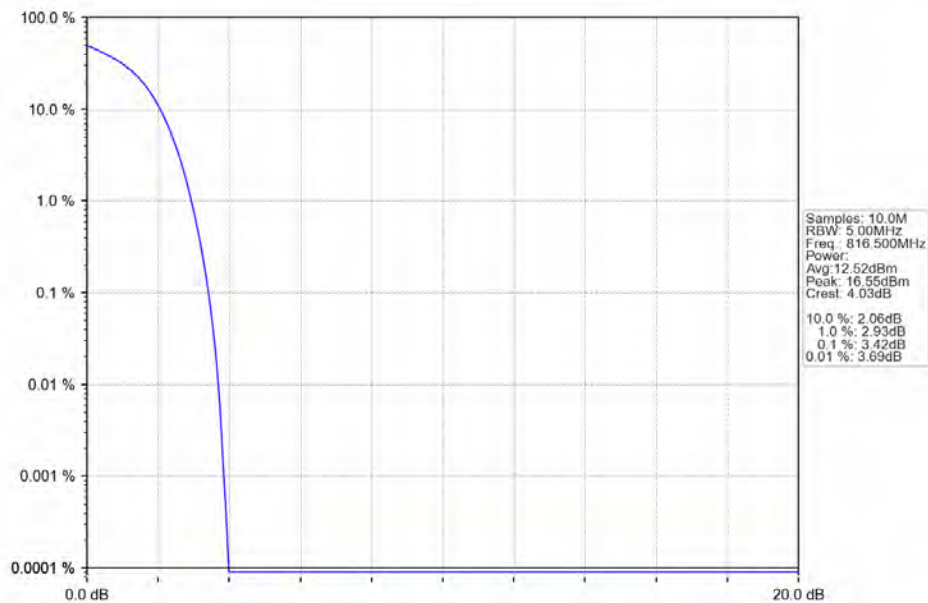
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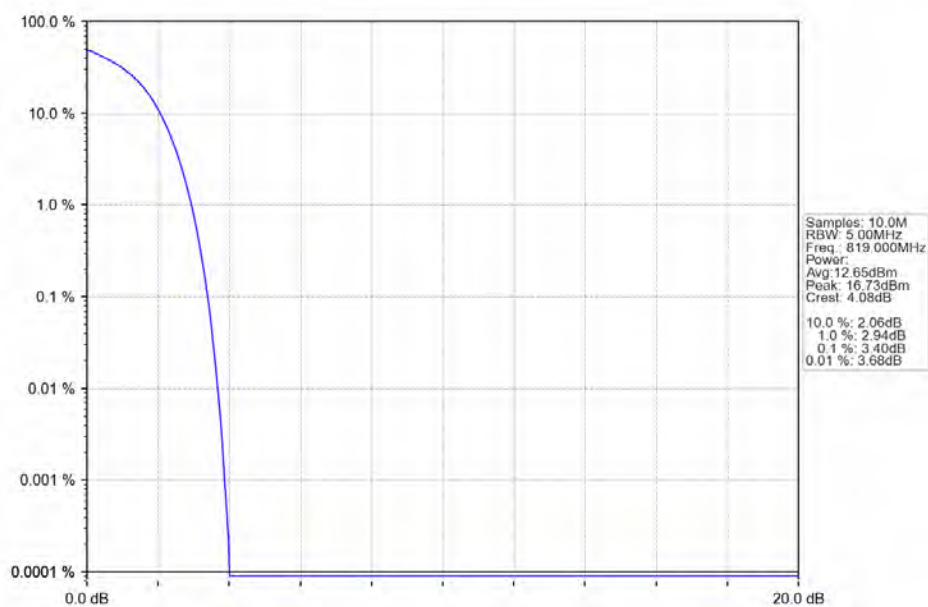
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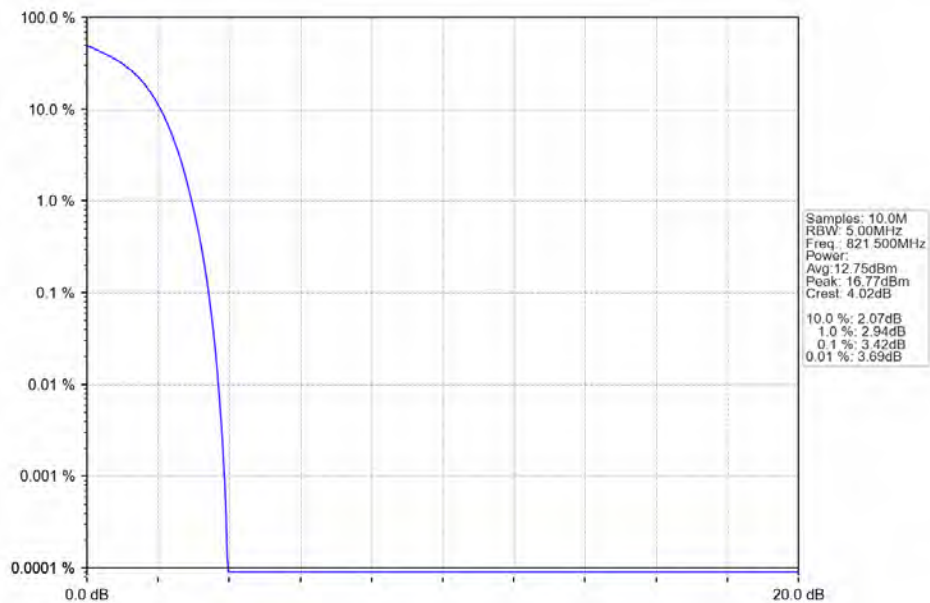
n26a 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 816.5MHz Outer Full Ant1



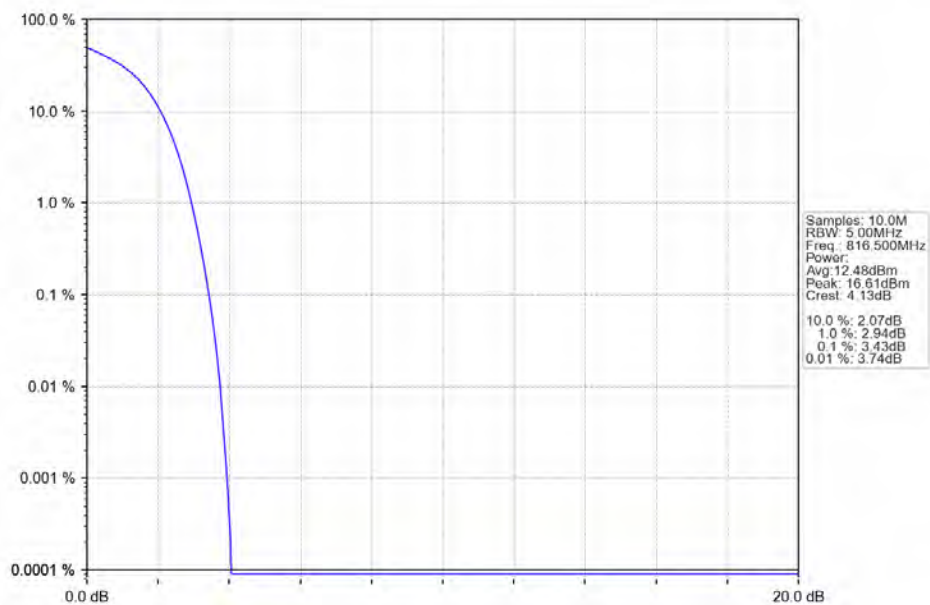
n26a 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 819MHz Outer Full Ant1



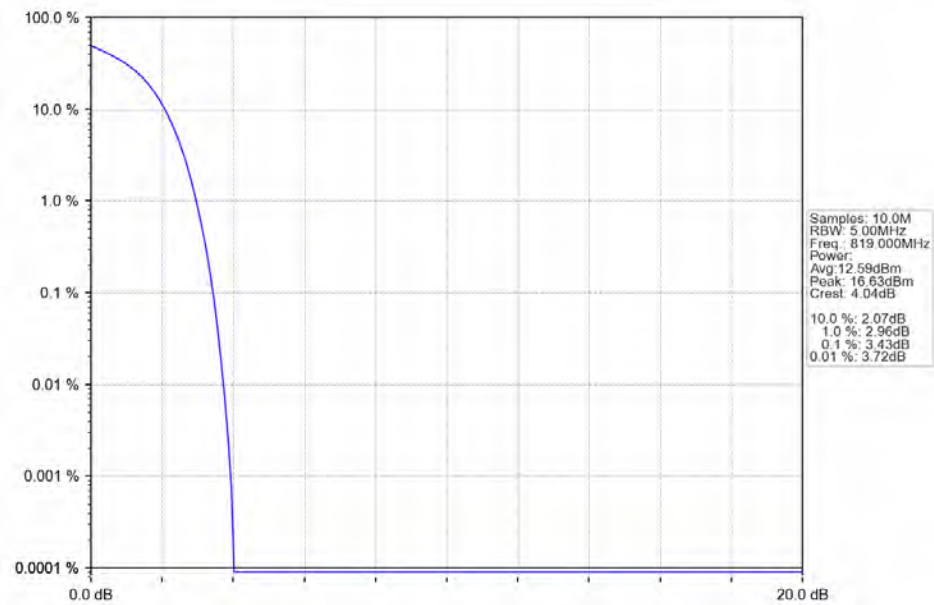
n26a 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 821.5MHz Outer Full Ant1



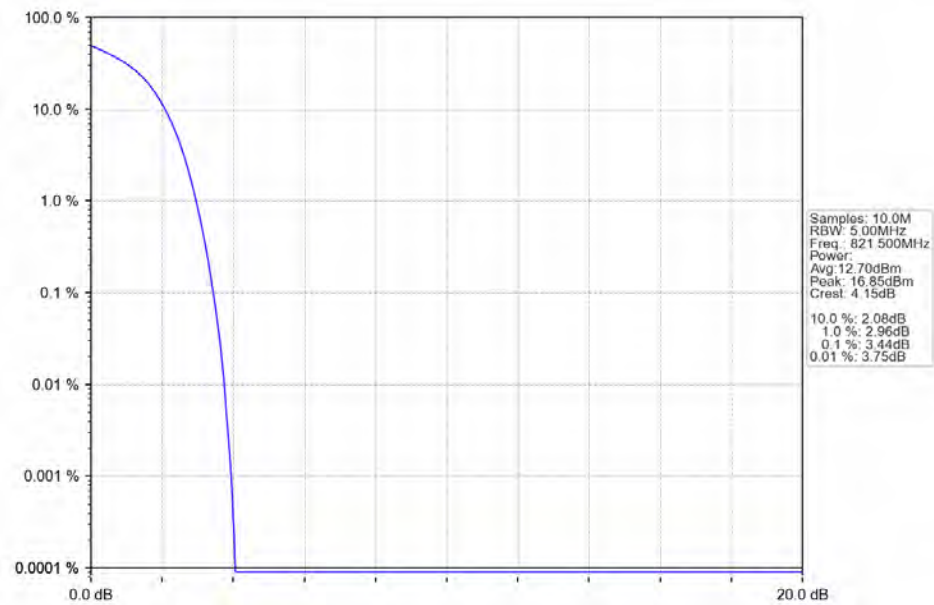
n26a 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 816.5MHz Outer Full Ant1



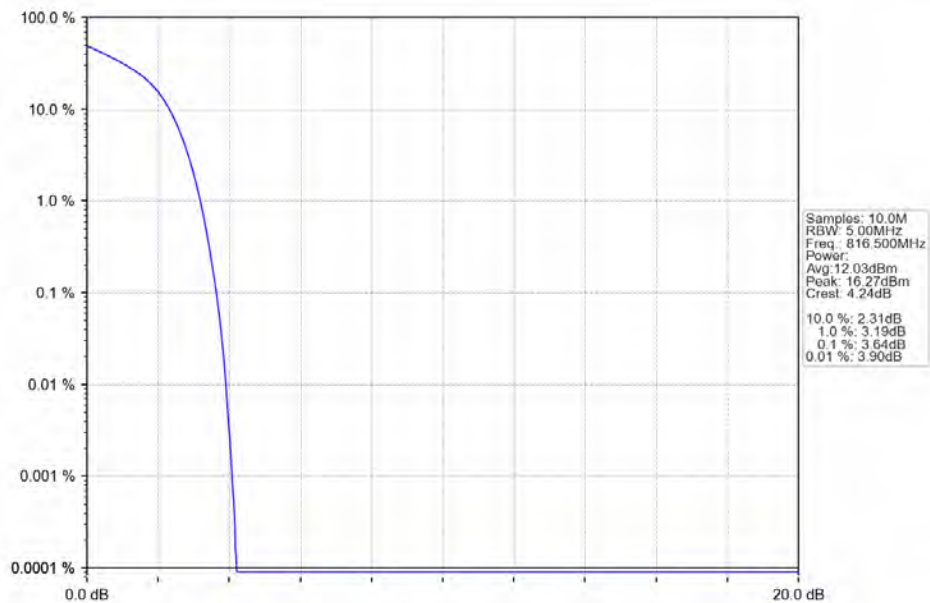
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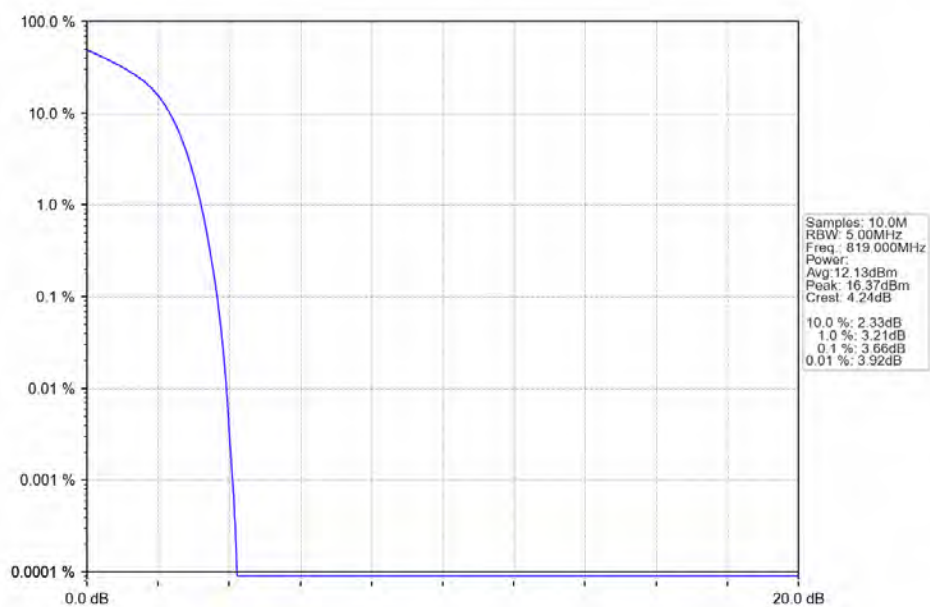
n26a 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 821.5MHz Outer Full Ant1



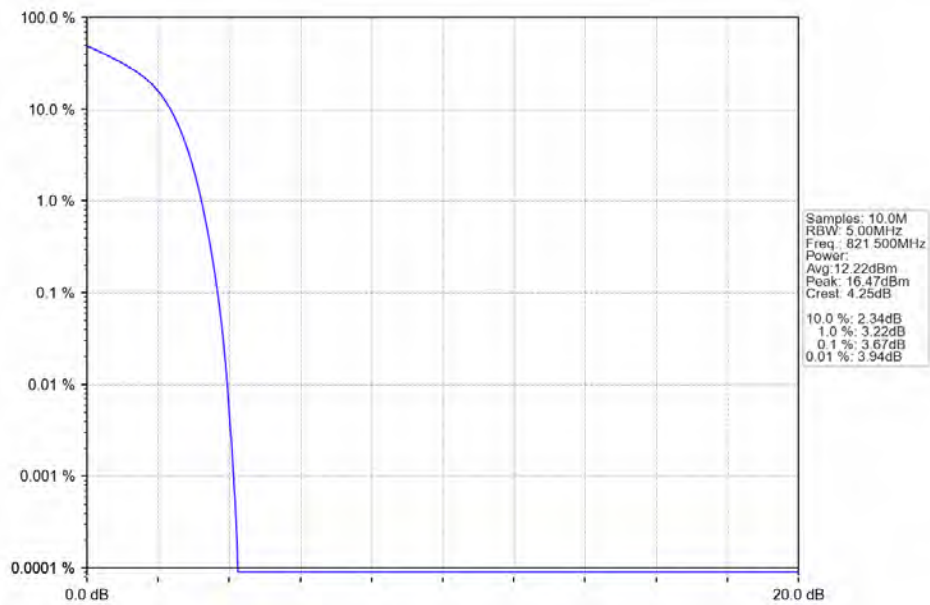
n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 816.5MHz Outer Full Ant1



n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1

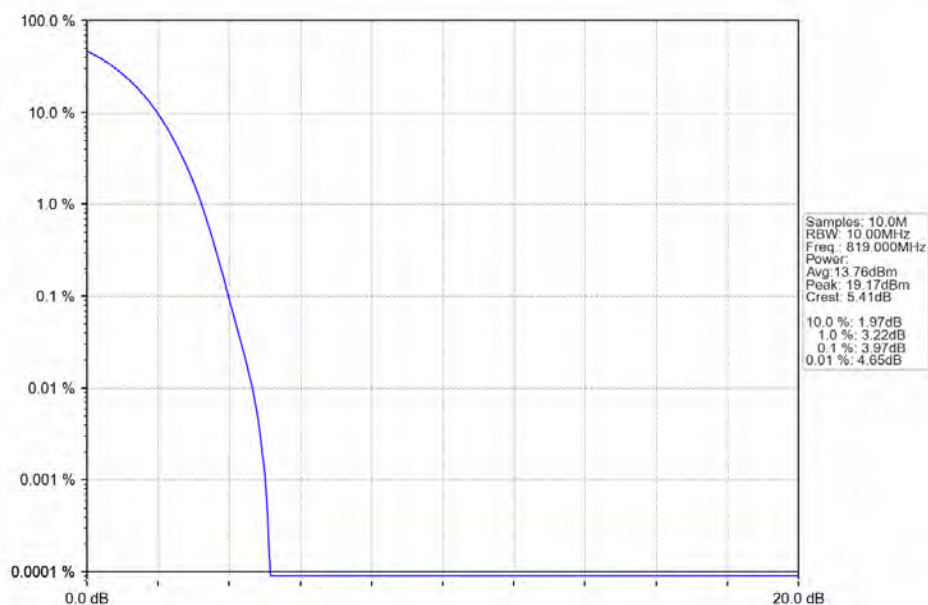


n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 821.5MHz Outer Full Ant1

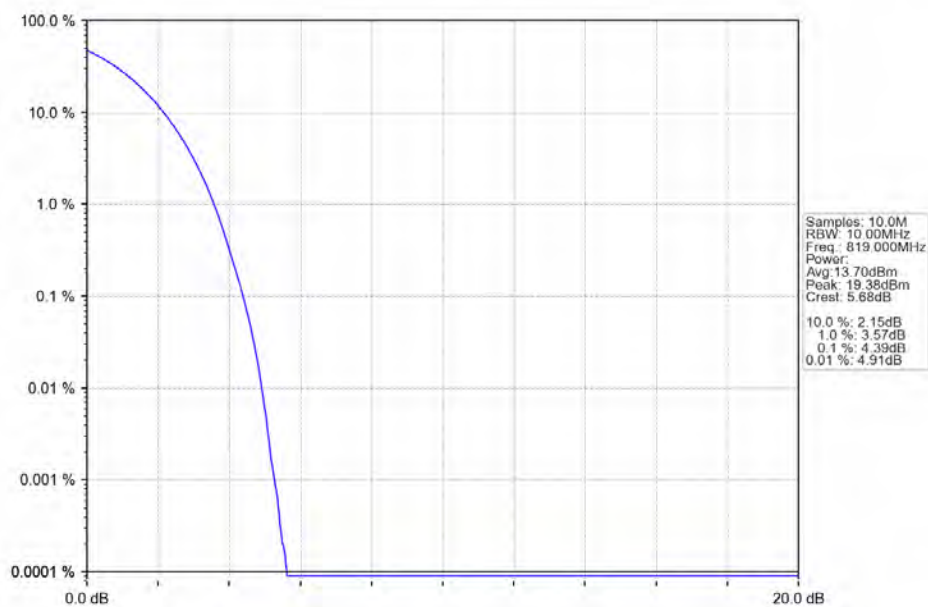


4.2.2 15k_SISO_10MHz_NTNV

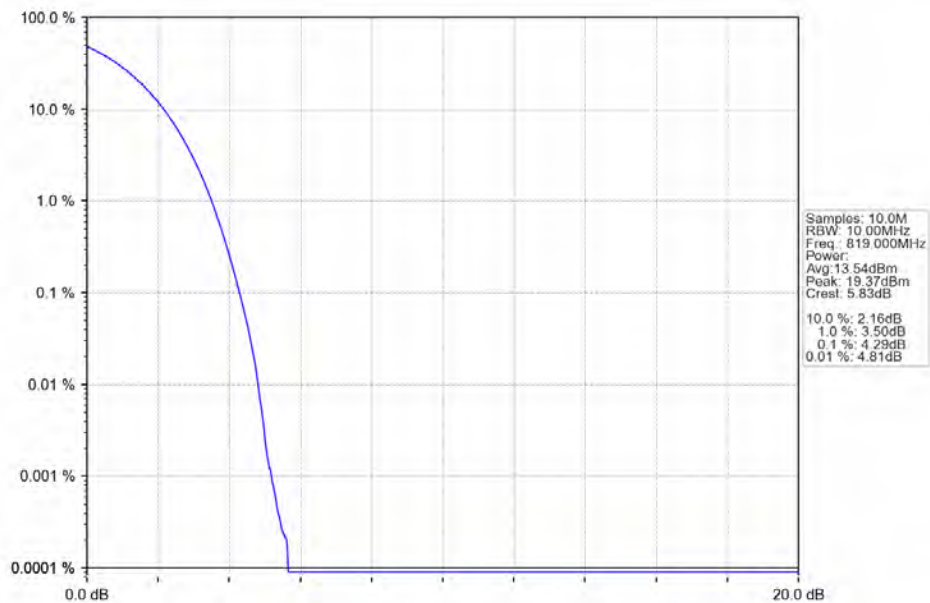
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Outer_Full_Ant1



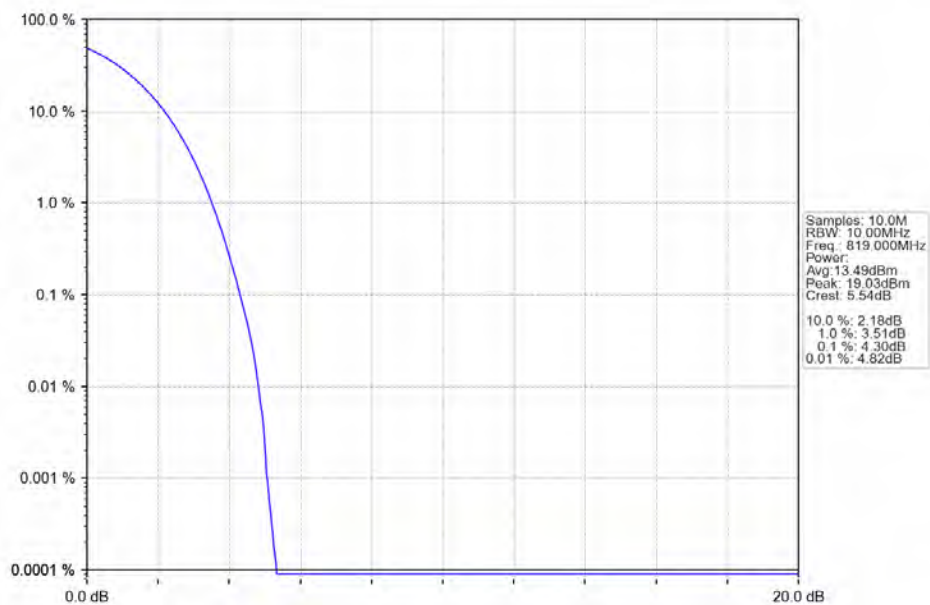
n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_819MHz_Outer_Full_Ant1



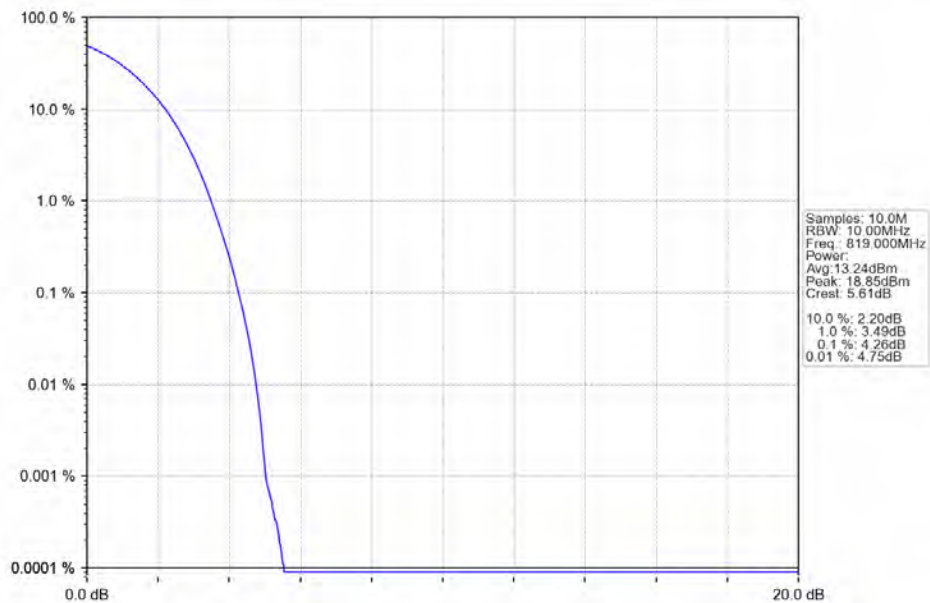
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 819MHz Outer Full Ant1



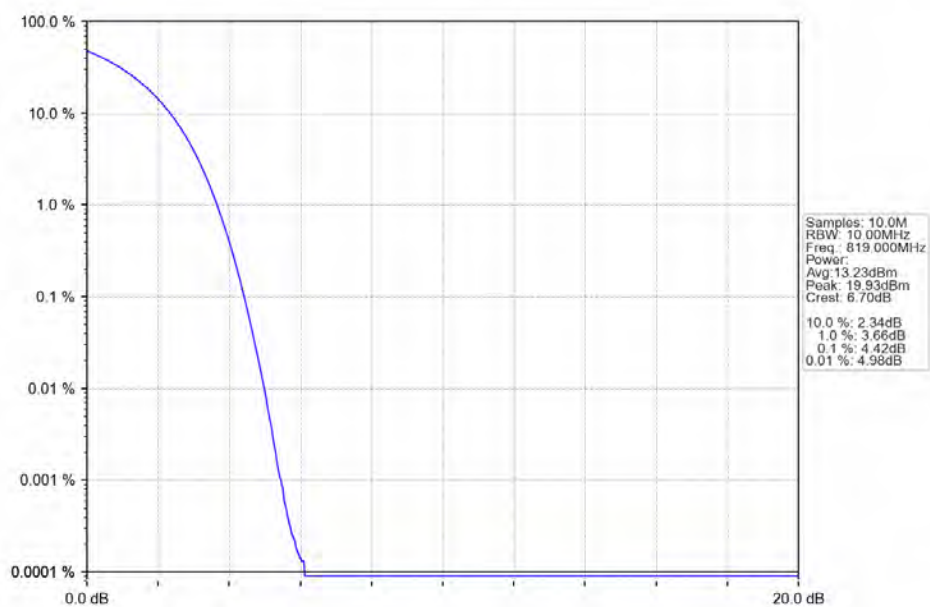
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 819MHz Outer Full Ant1



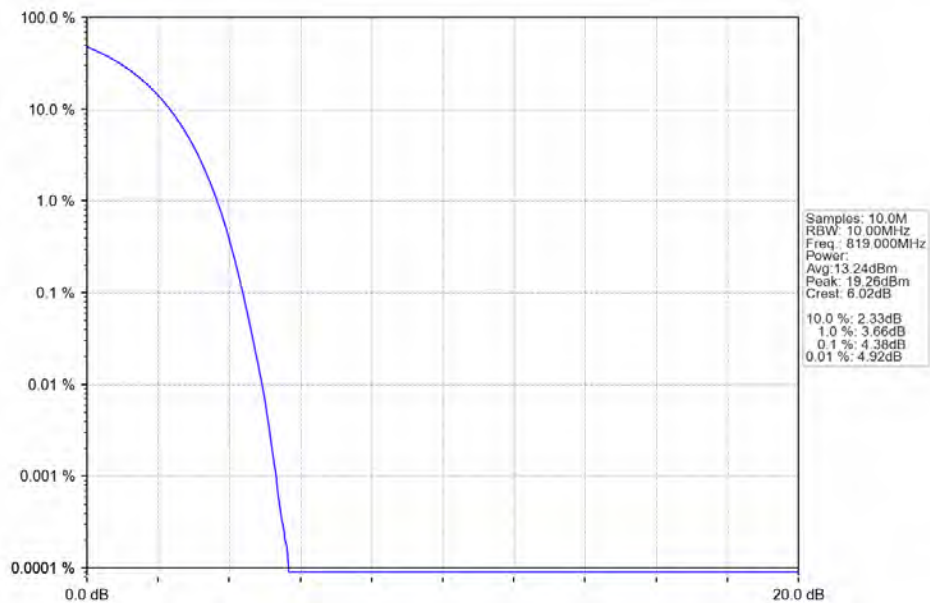
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



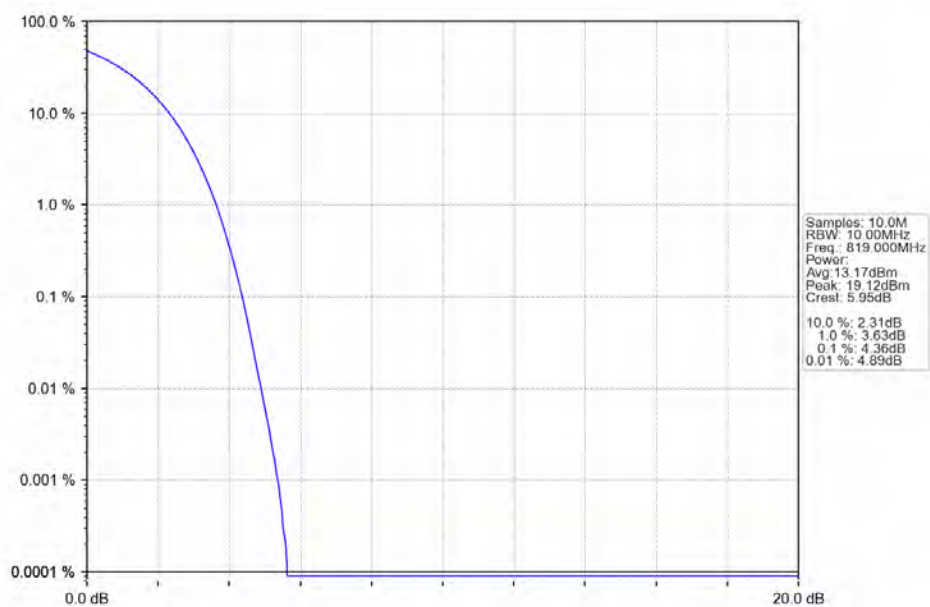
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



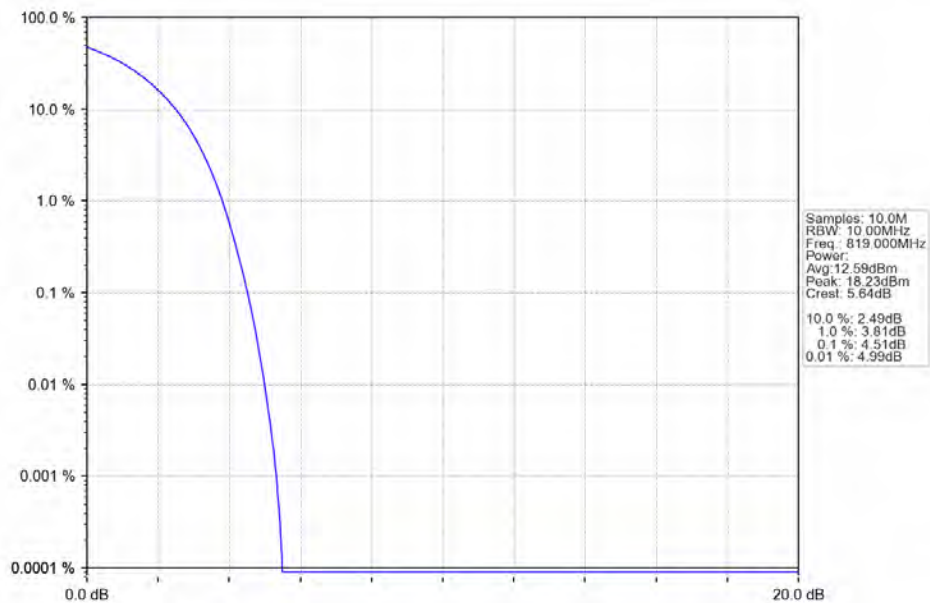
n26a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 819MHz Outer Full Ant1



n26a 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 819MHz Outer Full Ant1



n26a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

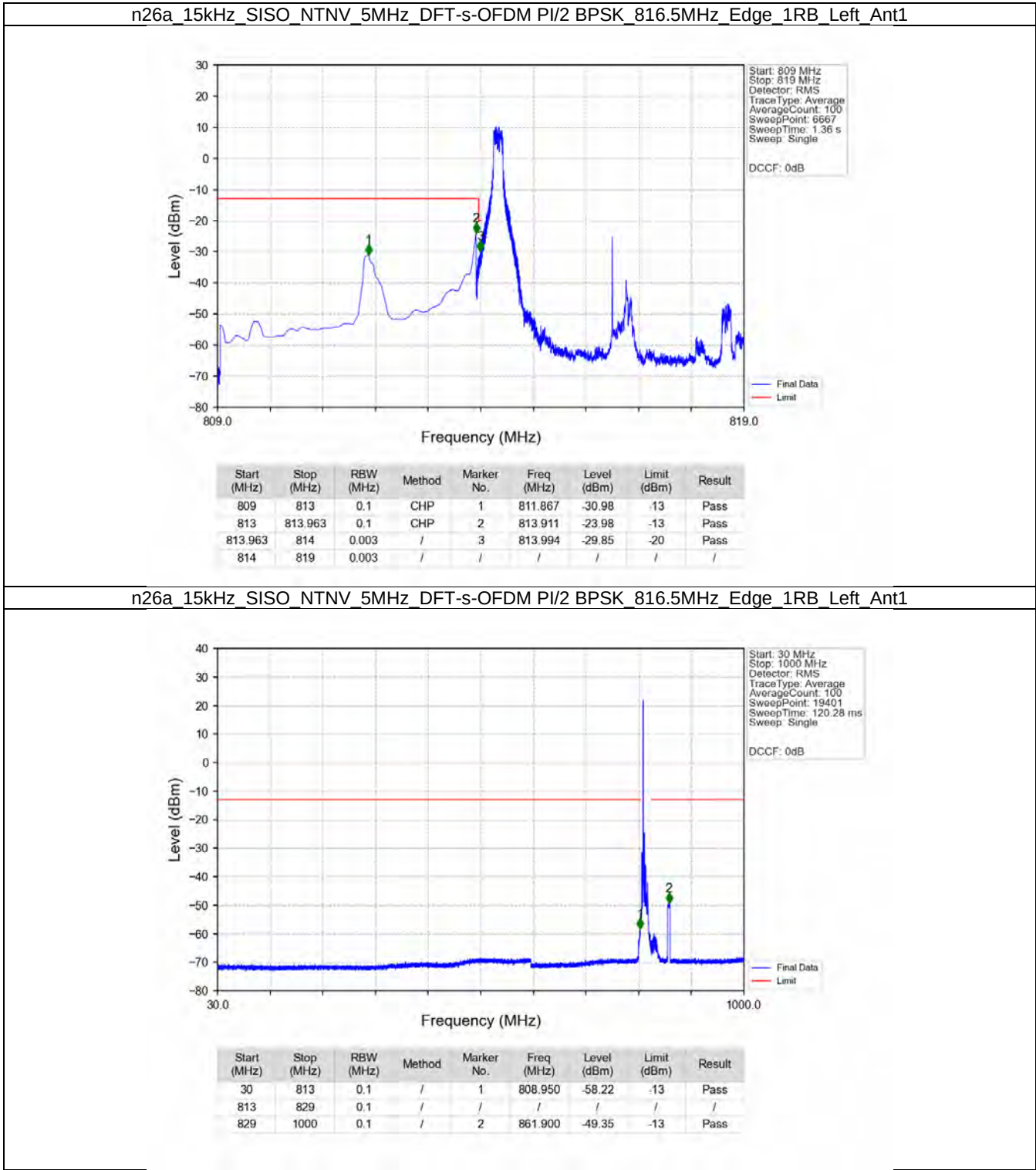
5G NR n26a SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	Limit
DFT-s-OFDM PI/2 BPSK	816.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	821.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	816.5	Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
	819	Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
CP-OFDM QPSK	821.5	Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
	816.5	Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass

5.1.2 15k_SISO_10MHz_NTNV

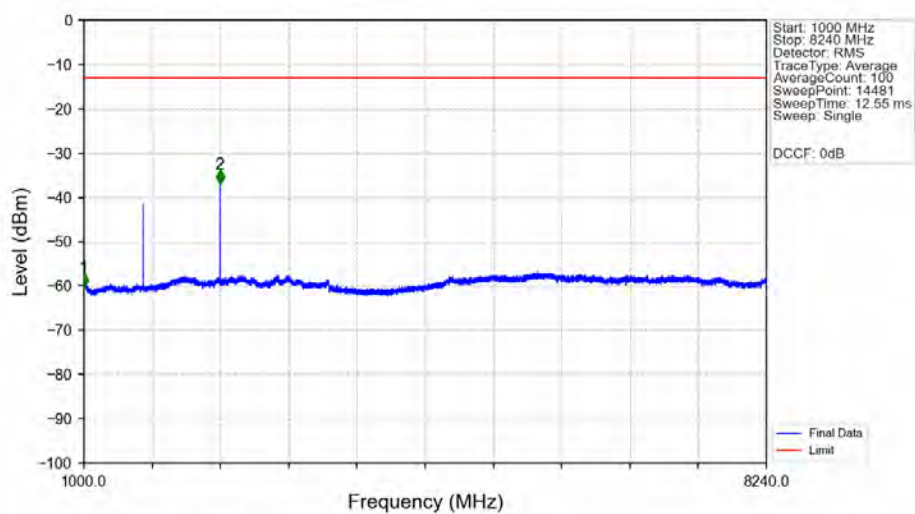
5G NR n26a SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	Limit
DFT-s-OFDM PI/2 BPSK	819	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	819	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
CP-OFDM QPSK	819	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass

5.2 Test Graph

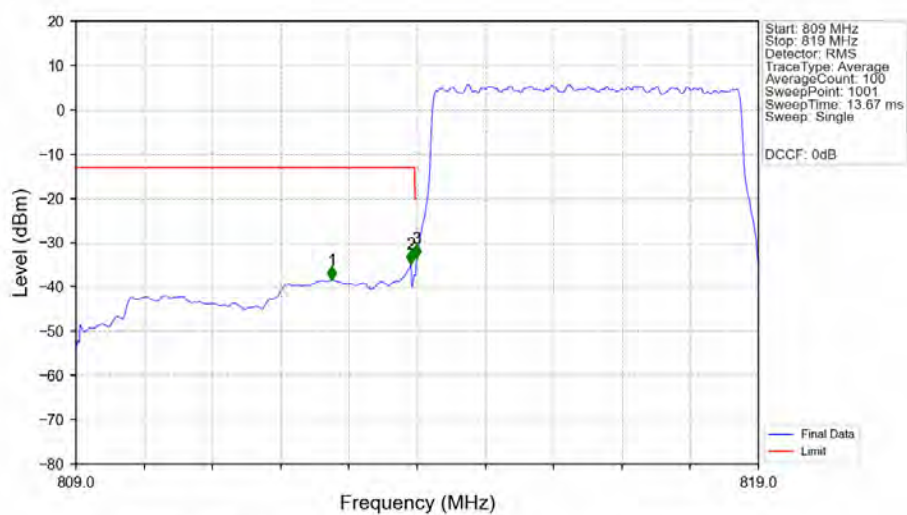
5.2.1 15k_SISO_5MHz_NTNV



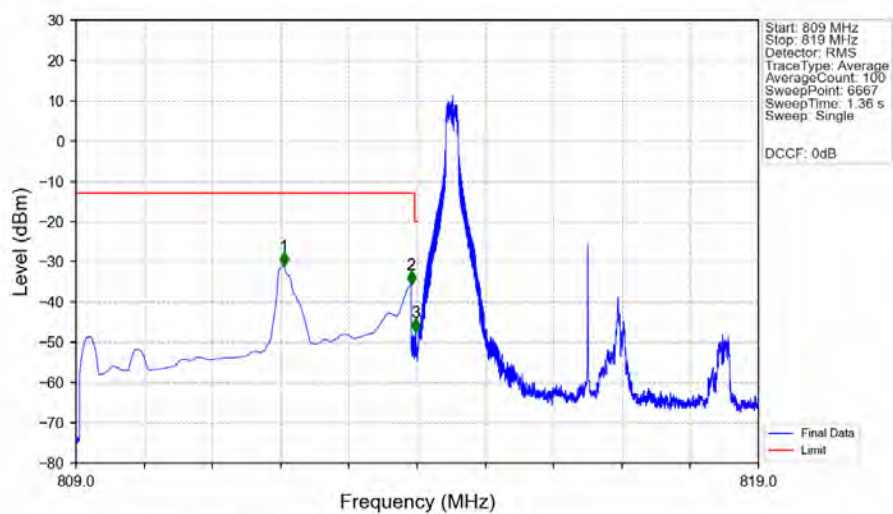
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 816.5MHz Edge 1RB Left Ant1



n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 816.5MHz Outer Full Ant1

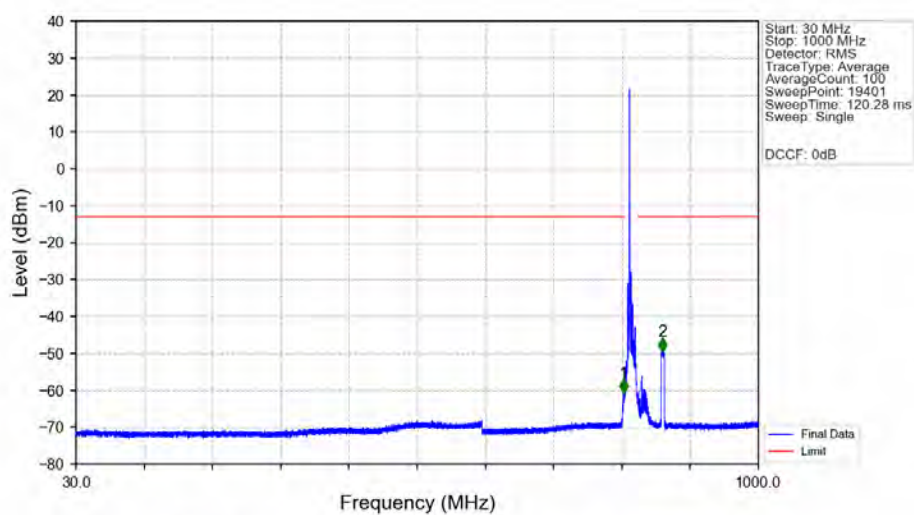


n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 816.5MHz Inner 1RB Left Ant1



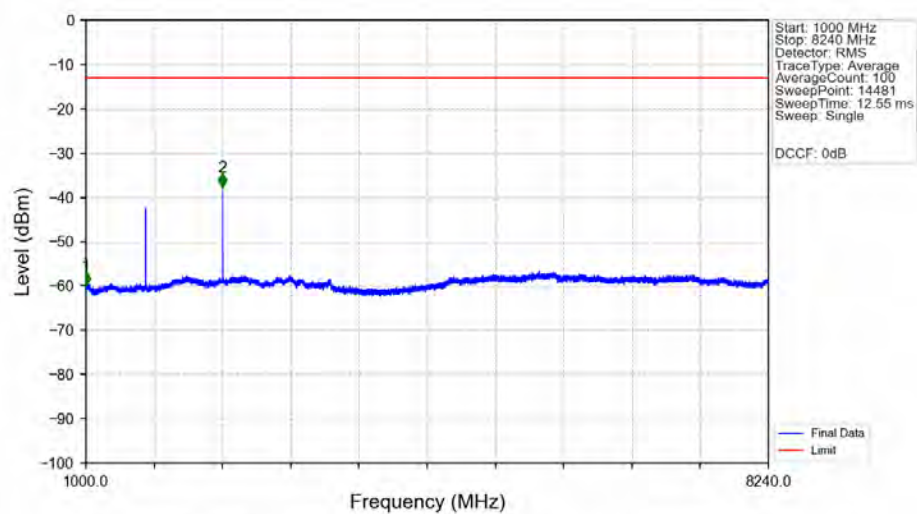
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.050	-30.96	-13	Pass
813	813.963	0.1	CHP	2	813.911	-35.70	-13	Pass
813.963	814	0.003	/	3	813.979	-47.49	-20	Pass
814	819	0.003	/	/	/	/	/	/

n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 819MHz Edge 1RB Left Ant1

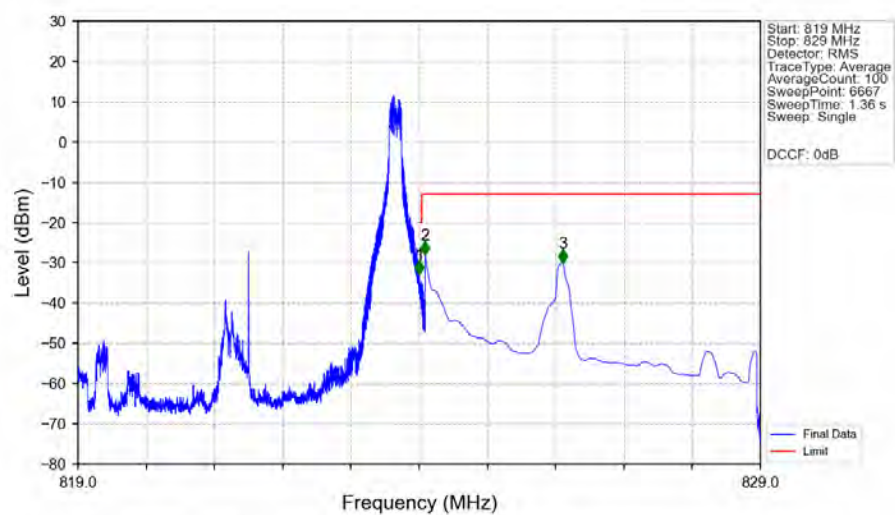


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	808.450	-60.69	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	864.100	-49.45	-13	Pass

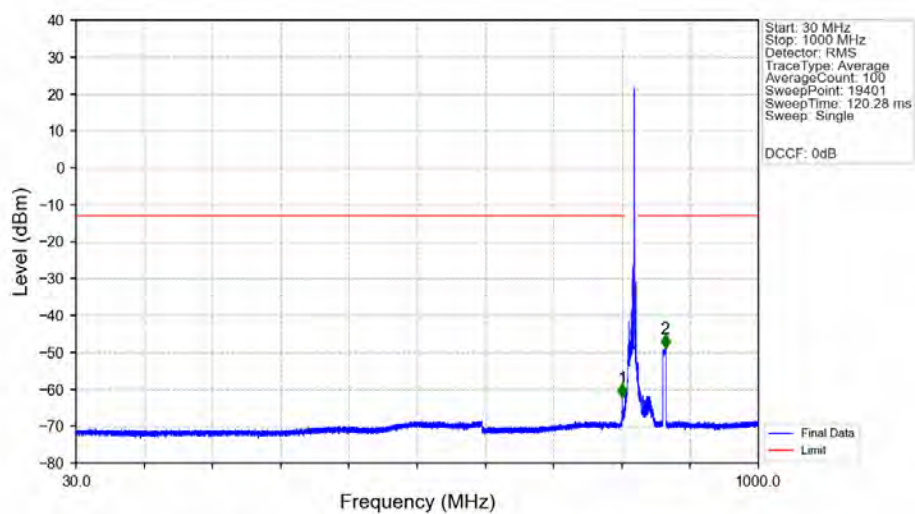
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 819MHz Edge 1RB Left Ant1



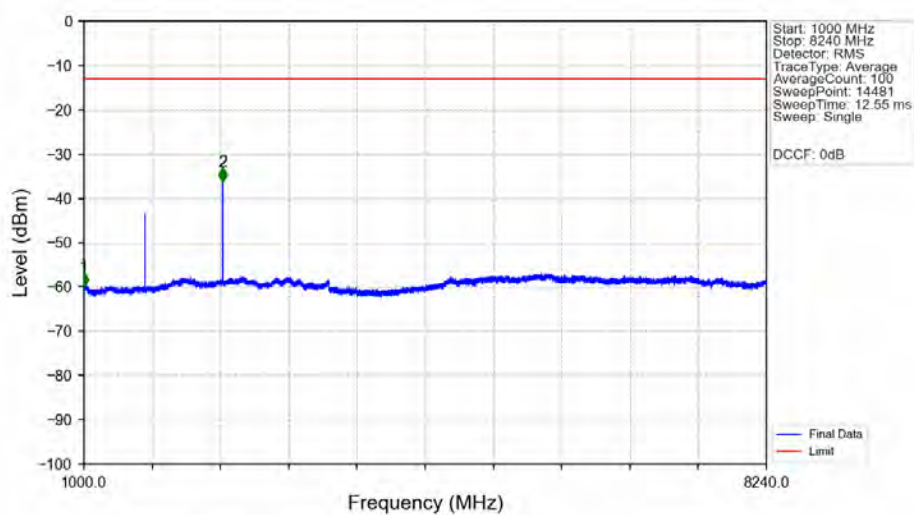
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Edge 1RB Right Ant1



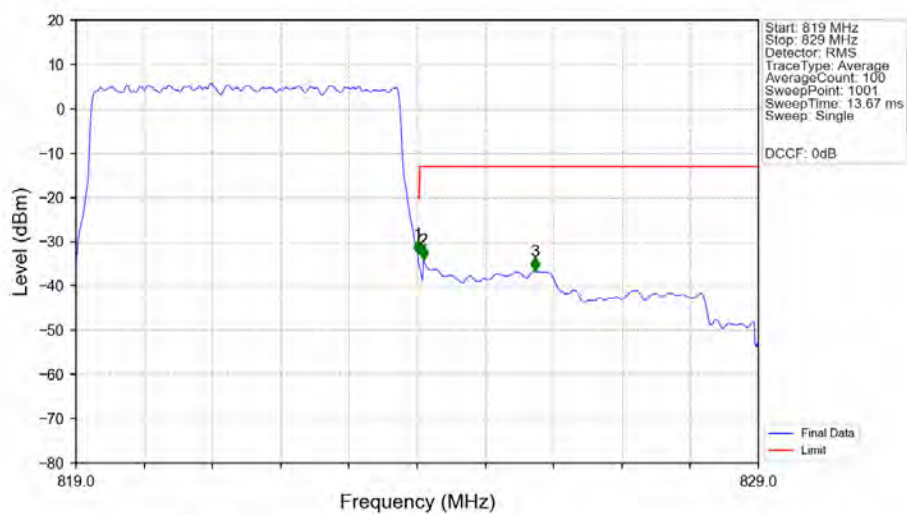
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Edge 1RB Right Ant1



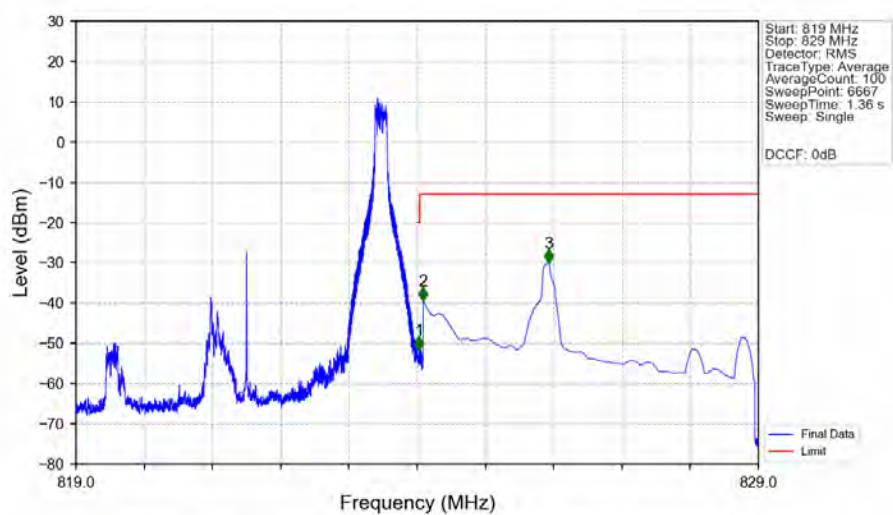
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Edge 1RB Right Ant1



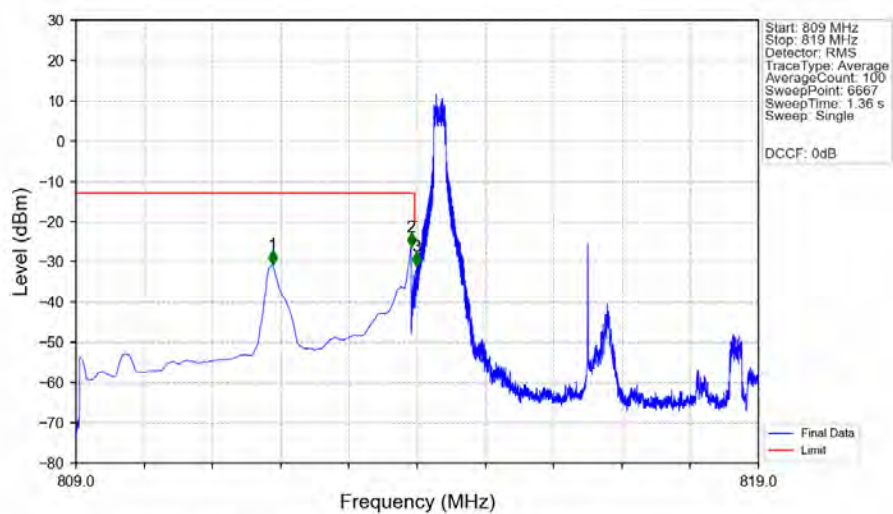
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Outer Full Ant1



n26a 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 821.5MHz Inner 1RB Right Ant1

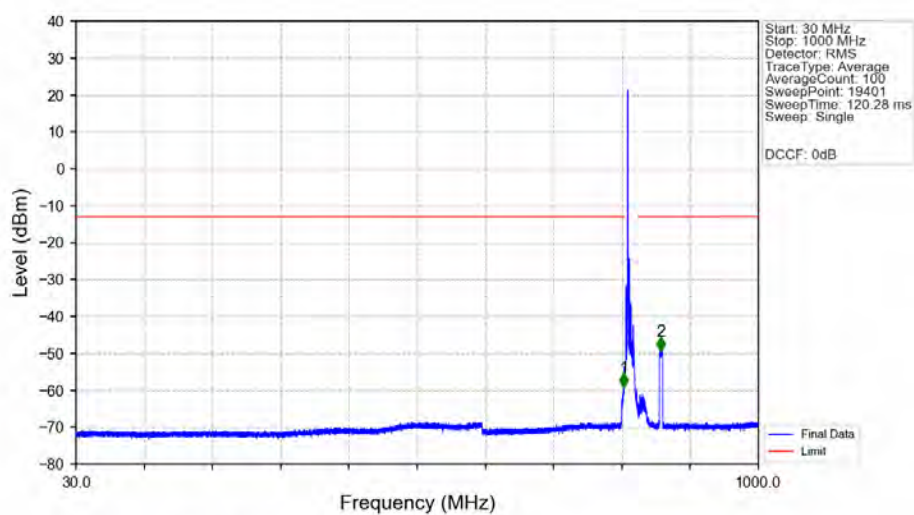


n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 816.5MHz Edge 1RB Left Ant1



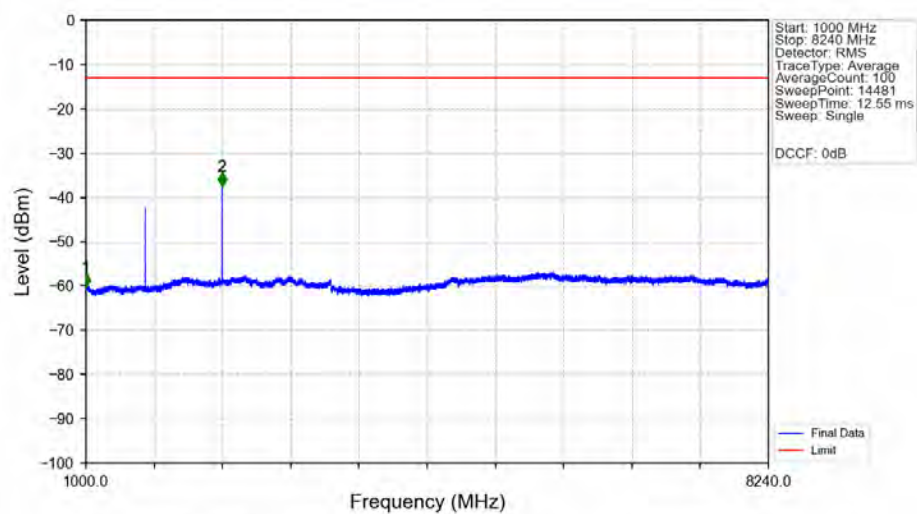
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	811.880	-30.69	-13	Pass
813	813.963	0.1	CHP	2	813.911	-26.15	-13	Pass
813.963	814	0.003	/	3	813.992	-31.10	-20	Pass
814	819	0.003	/	/	/	/	/	/

n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 816.5MHz Edge 1RB Left Ant1

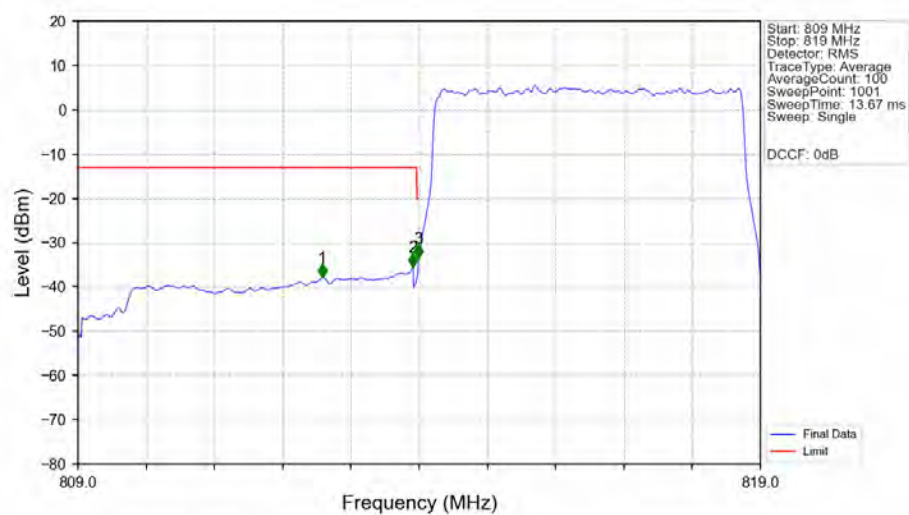


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.950	-59.10	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	861.050	-49.25	-13	Pass

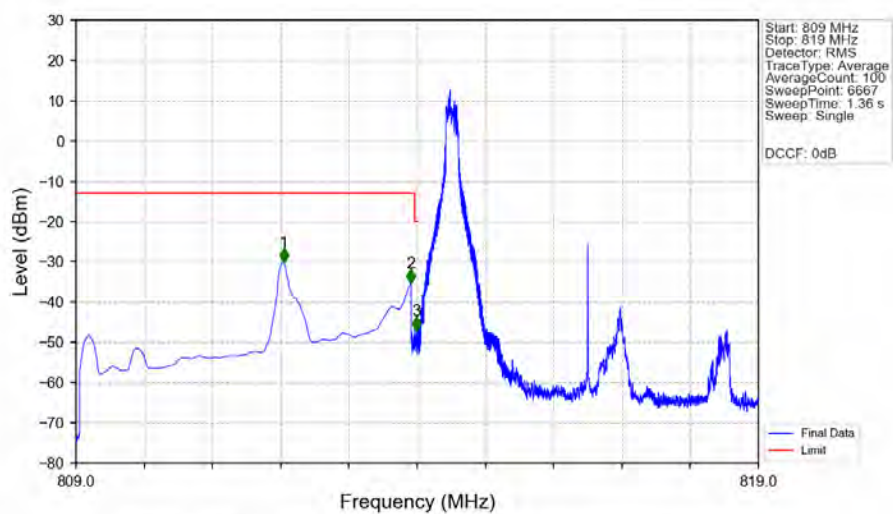
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 816.5MHz Edge 1RB Left Ant1



n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 816.5MHz Outer Full Ant1

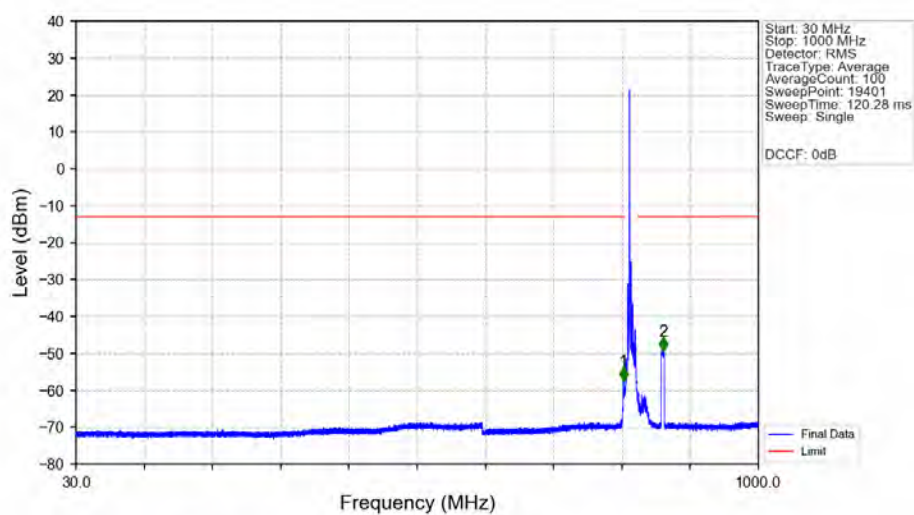


n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 816.5MHz Inner 1RB Left Ant1



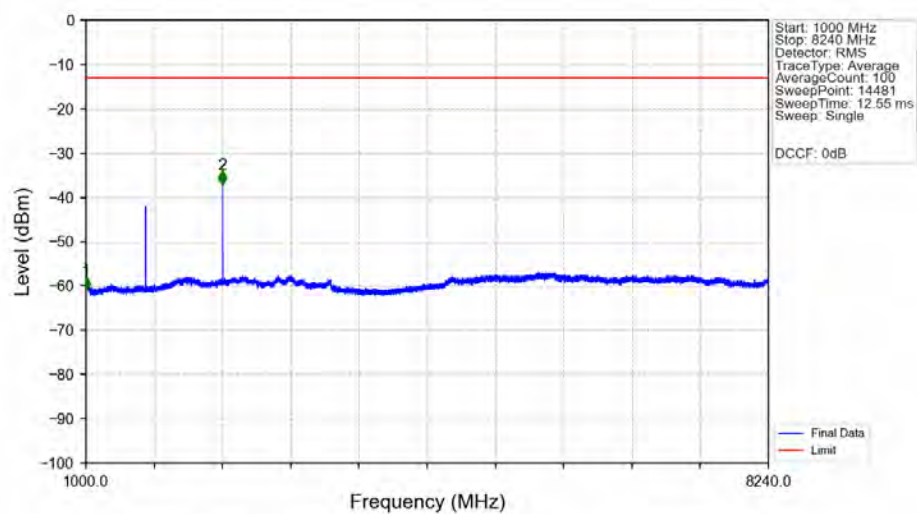
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.044	-30.14	-13	Pass
813	813.963	0.1	CHP	2	813.910	-35.22	-13	Pass
813.963	814	0.003	/	3	813.983	-47.16	-20	Pass
814	819	0.003	/	/	/	/	/	/

n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 819MHz Edge 1RB Left Ant1

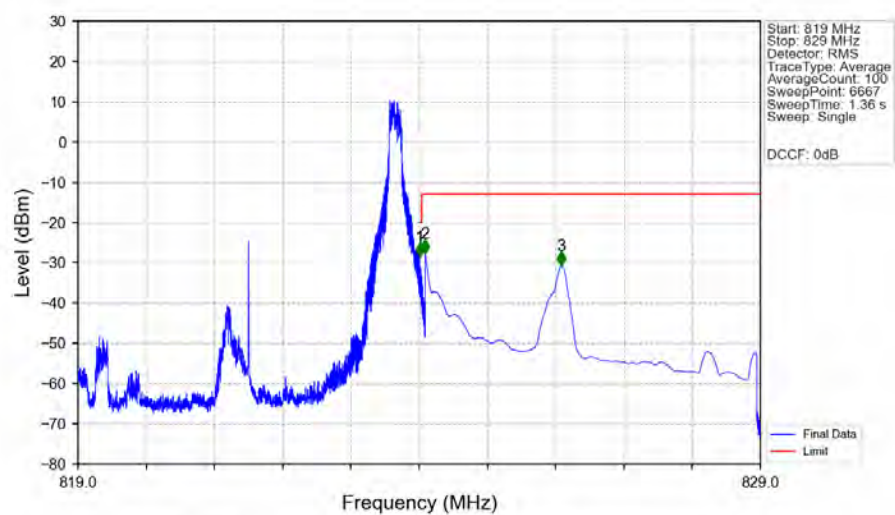


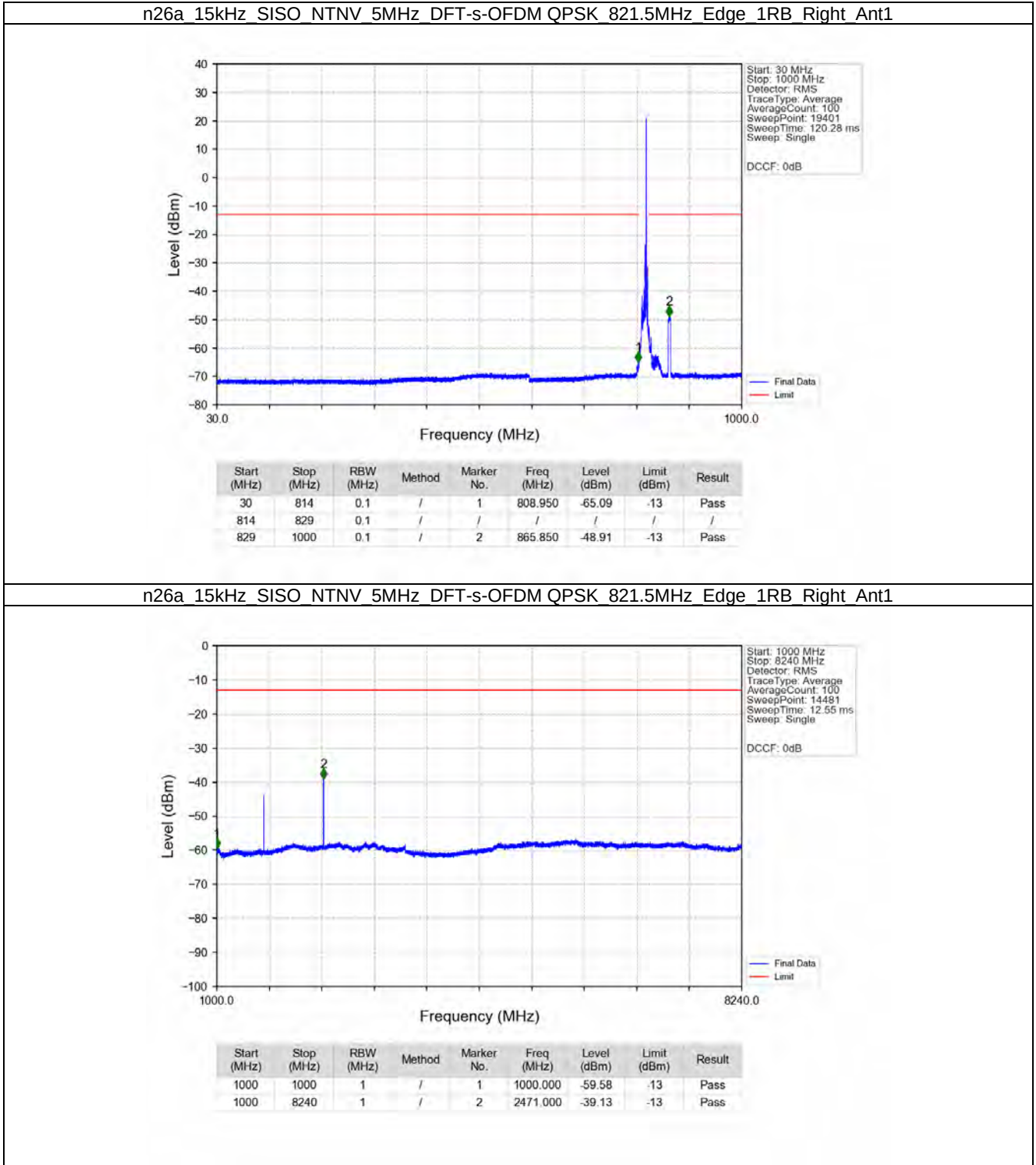
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	808.350	-57.48	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	864.400	-49.41	-13	Pass

n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 819MHz Edge 1RB Left Ant1

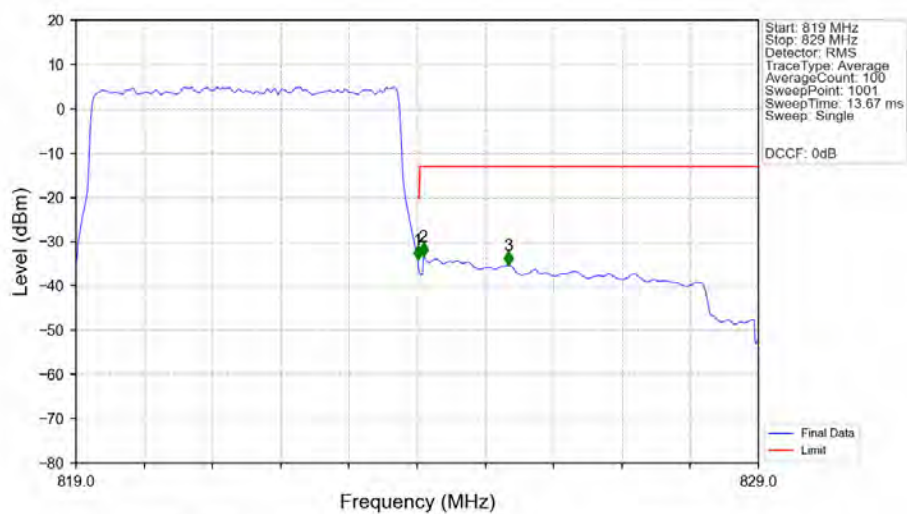


n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 821.5MHz Edge 1RB Right Ant1

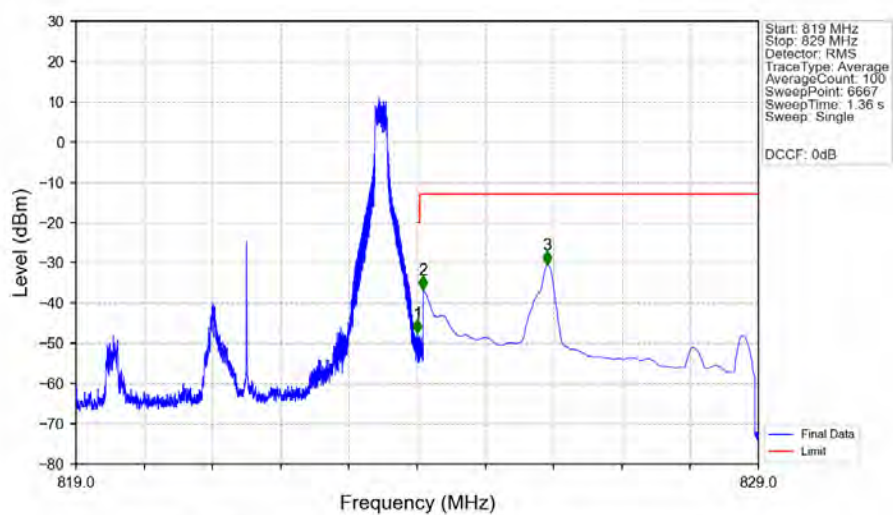




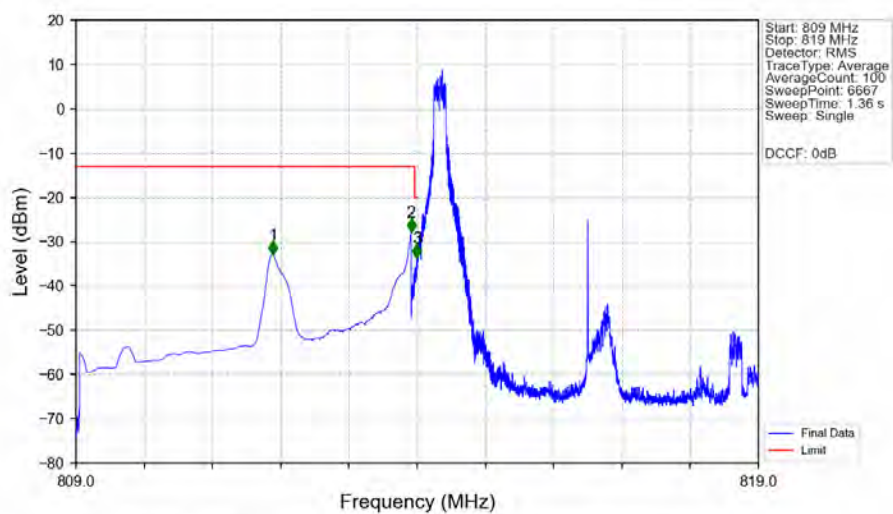
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 821.5MHz Outer Full Ant1



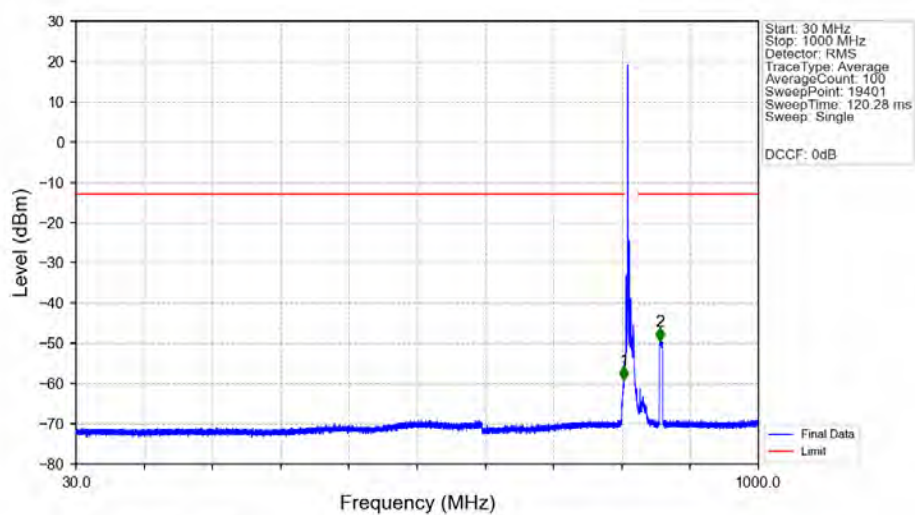
n26a 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 821.5MHz Inner 1RB Right Ant1



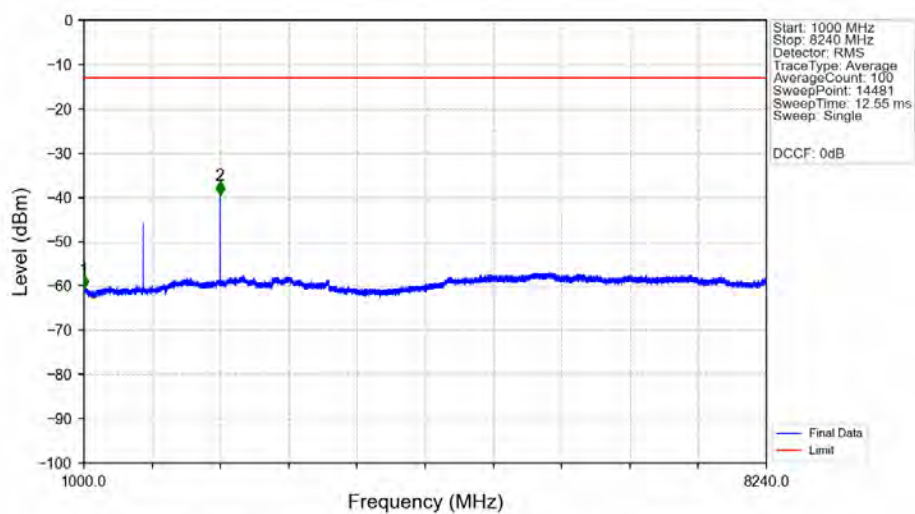
n26a 15kHz SISO NTVN 5MHz CP-OFDM QPSK 816.5MHz Edge 1RB Left Ant1



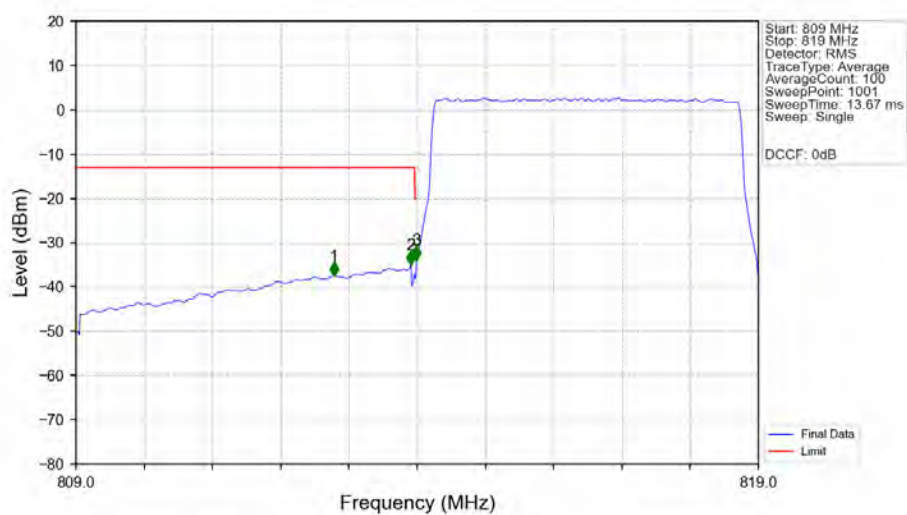
n26a 15kHz SISO NTVN 5MHz CP-OFDM QPSK 816.5MHz Edge 1RB Left Ant1



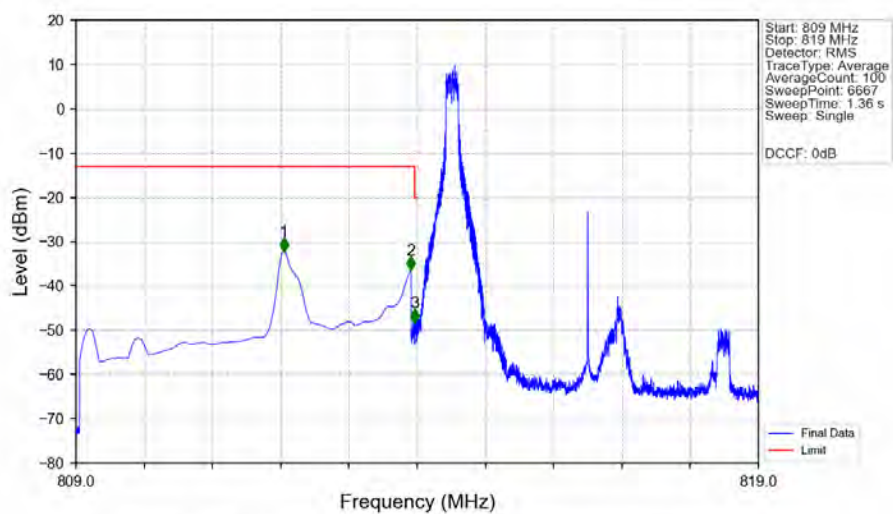
n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 816.5MHz Edge 1RB Left Ant1



n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 816.5MHz Outer Full Ant1

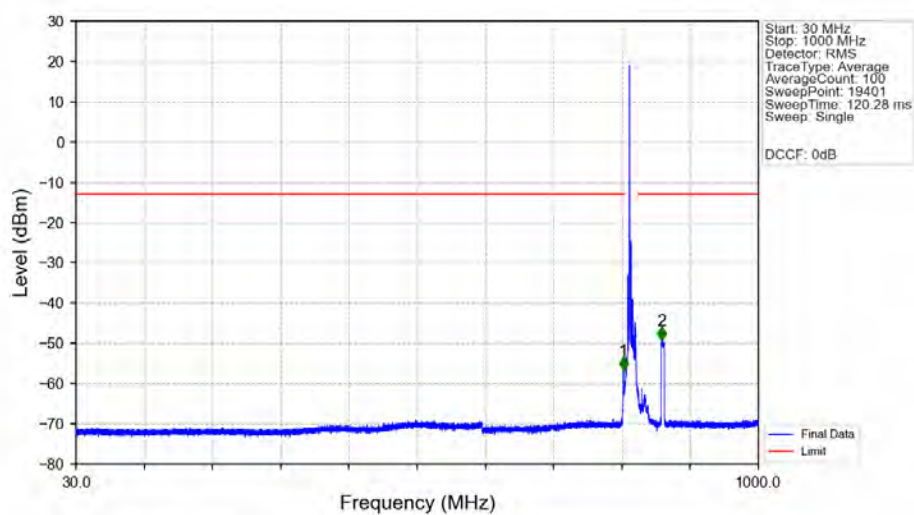


n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 816.5MHz Inner 1RB Left Ant1



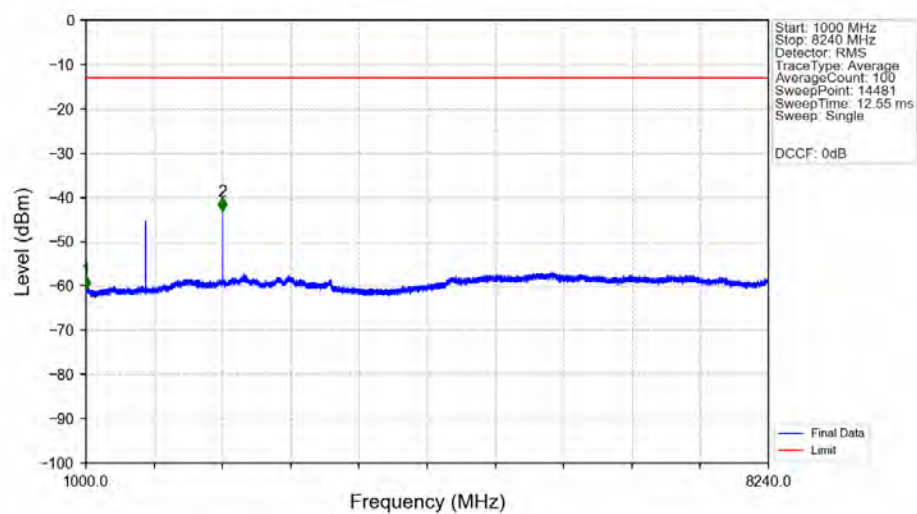
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.050	-32.18	-13	Pass
813	813.963	0.1	CHP	2	813.910	-36.35	-13	Pass
813.963	814	0.003	/	3	813.964	-48.20	-20	Pass
814	819	0.003	/	/	/	/	/	/

n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 819MHz Edge 1RB Left Ant1

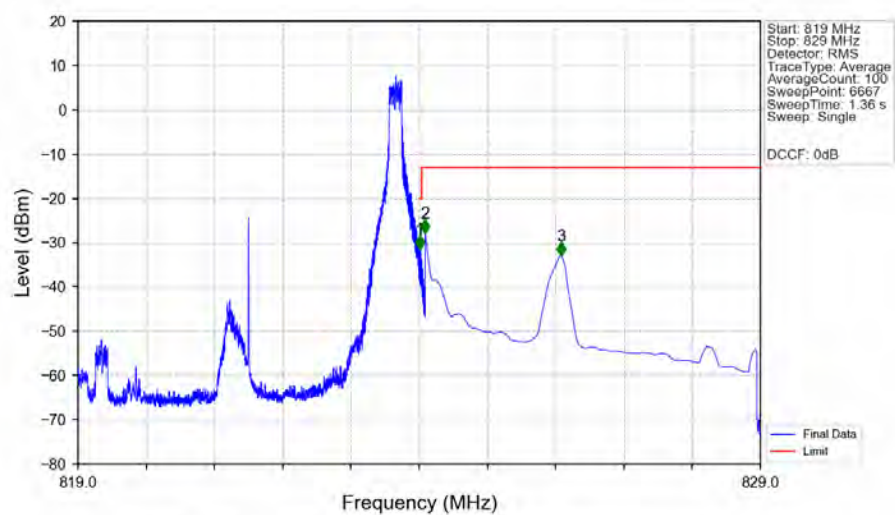


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	808.200	-56.77	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	862.850	-49.36	-13	Pass

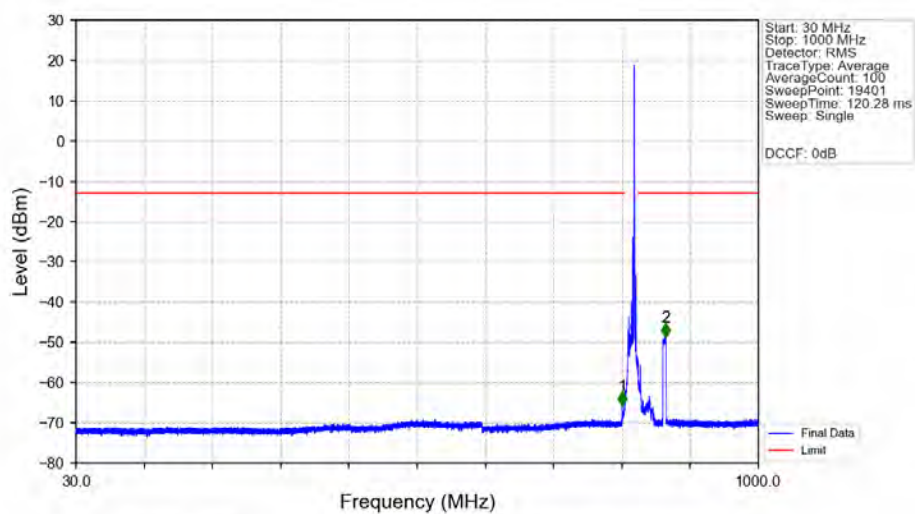
n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 819MHz Edge 1RB Left Ant1



n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 821.5MHz Edge 1RB Right Ant1

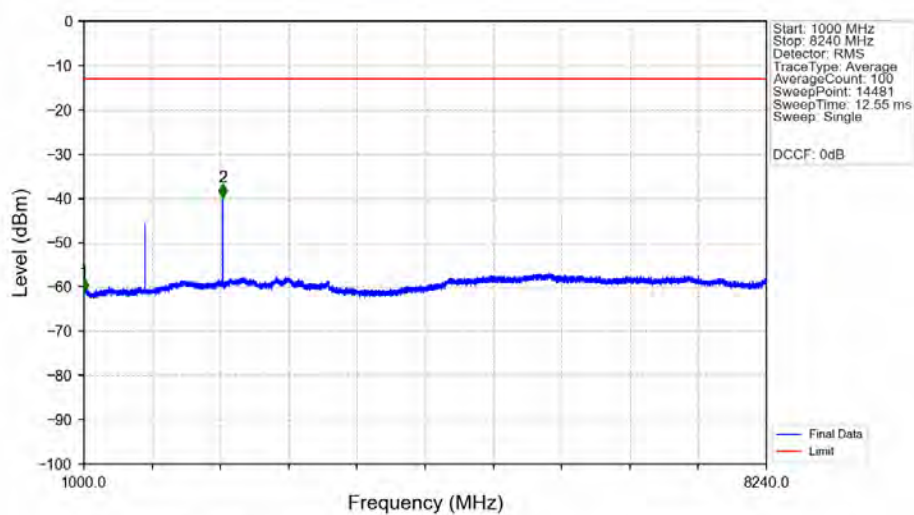


n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 821.5MHz Edge 1RB Right Ant1



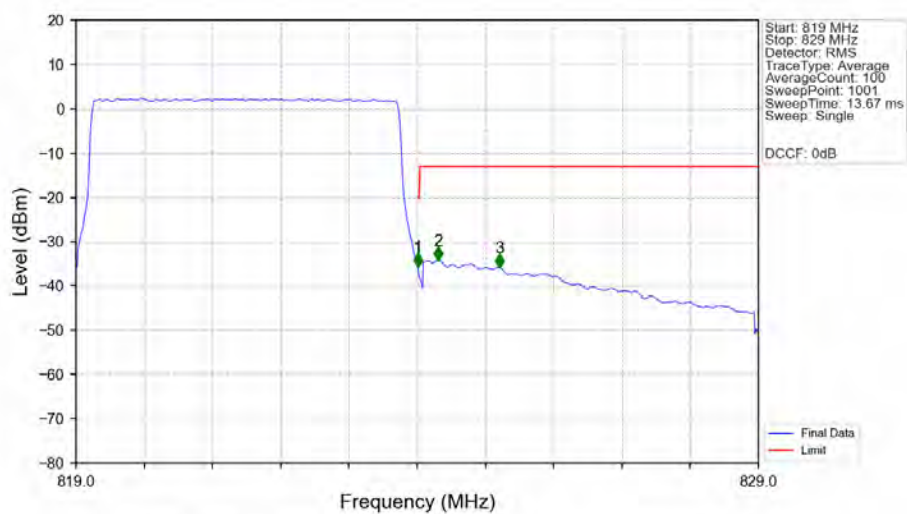
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	814	0.1	/	1	806.500	-65.63	-13	Pass
814	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	868.150	-48.74	-13	Pass

n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 821.5MHz Edge 1RB Right Ant1

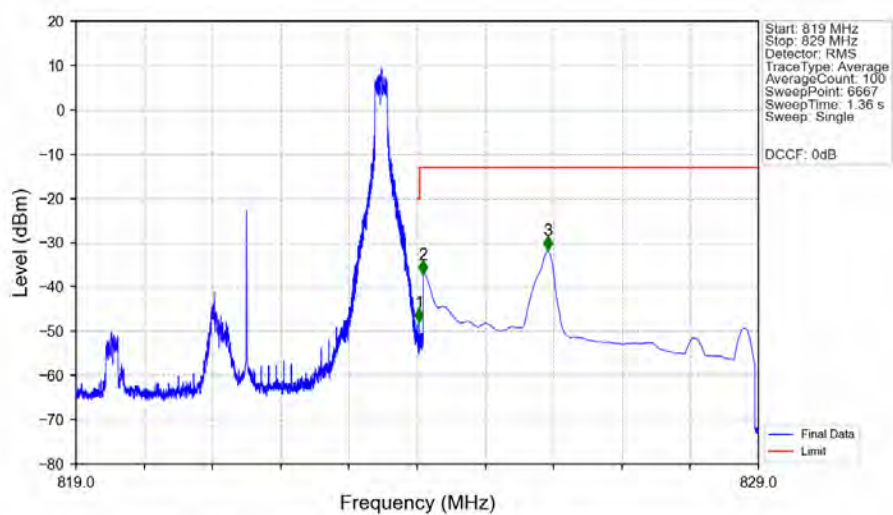


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-61.15	-13	Pass
1000	8240	1	/	2	2471.000	-39.74	-13	Pass

n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 821.5MHz Outer Full Ant1

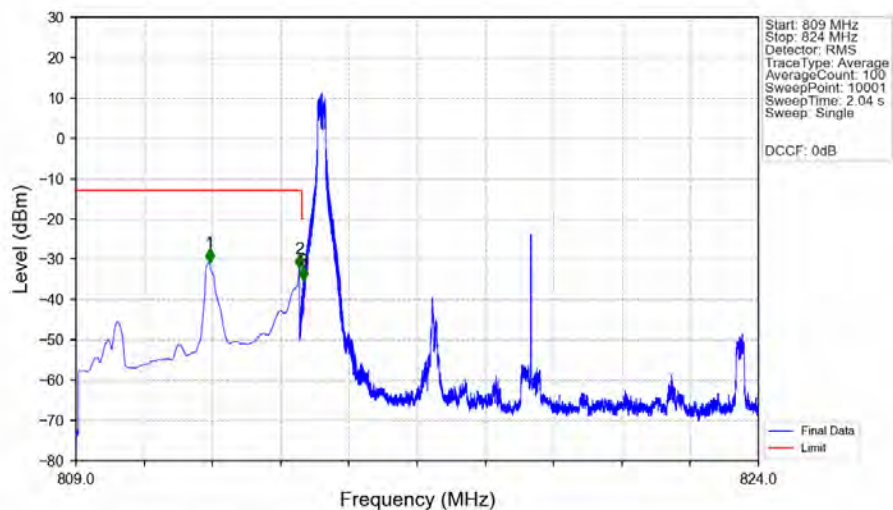


n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 821.5MHz Inner 1RB Right Ant1



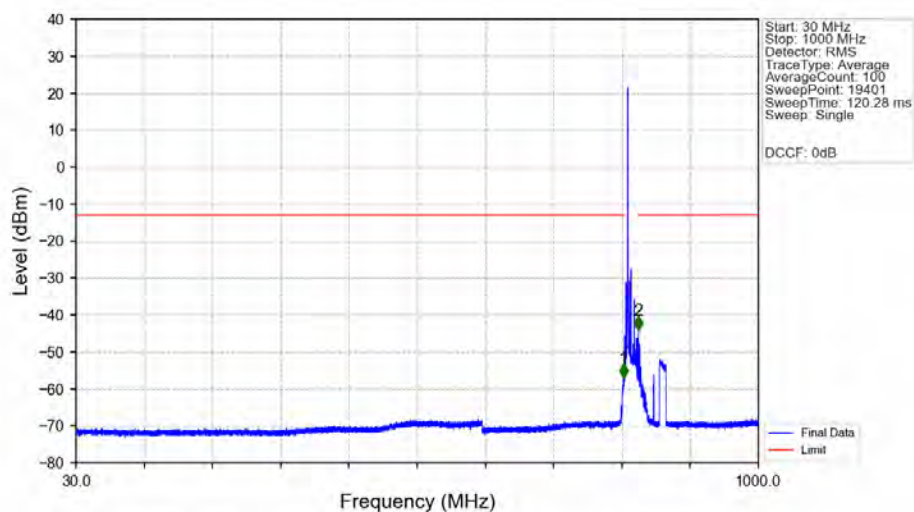
5.2.2 15k_SISO_10MHz_NTNV

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Left_Ant1



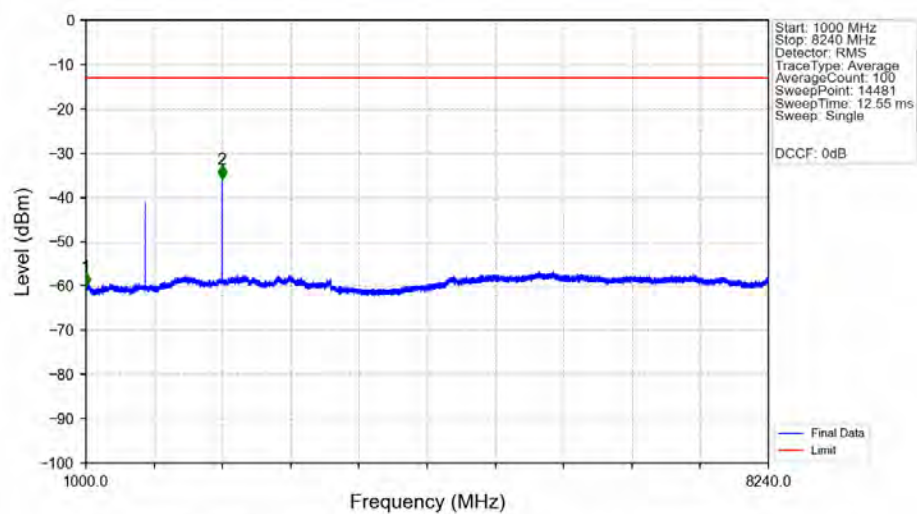
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	811.938	-30.81	-13	Pass
813	813.963	0.1	CHP	2	813.911	-32.16	-13	Pass
813.963	814	0.003	/	3	813.992	-35.28	-20	Pass
814	824	0.003	/	/	/	/	/	/

n26a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_819MHz_Edge_1RB_Left_Ant1

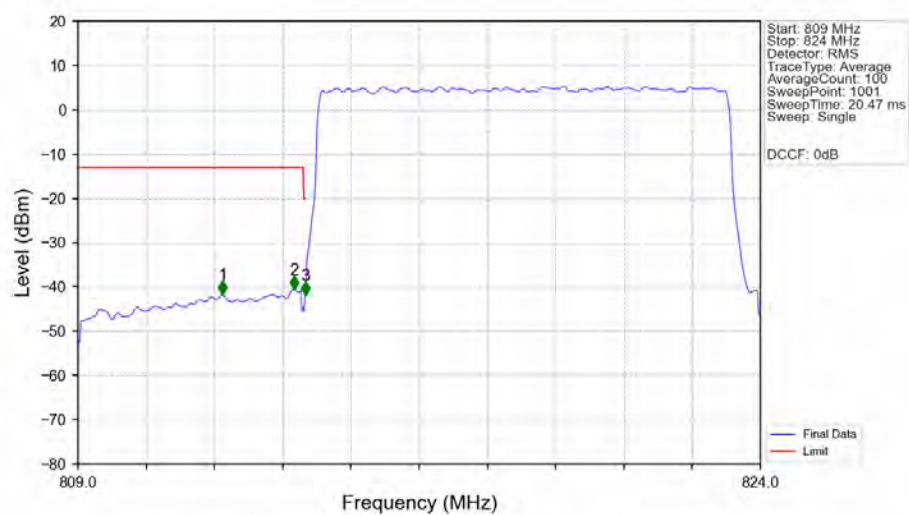


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.150	-56.89	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	829.700	-44.19	-13	Pass

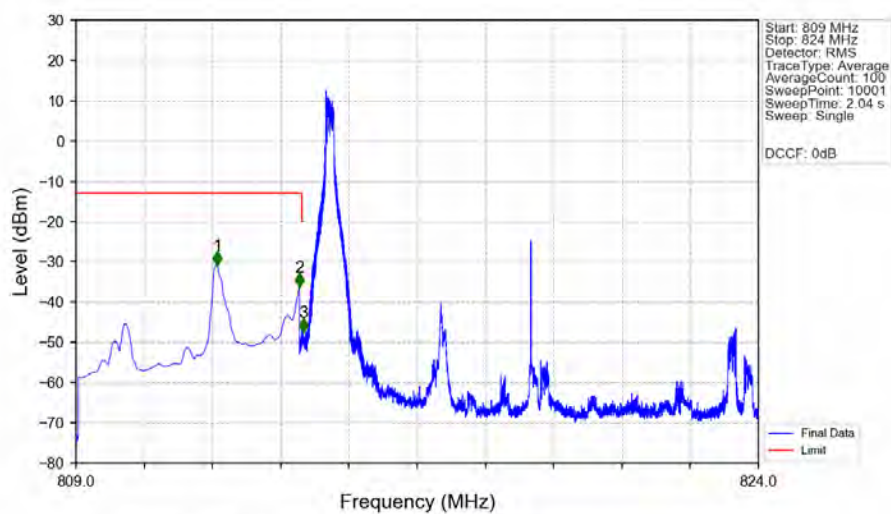
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 819MHz Edge 1RB Left Ant1



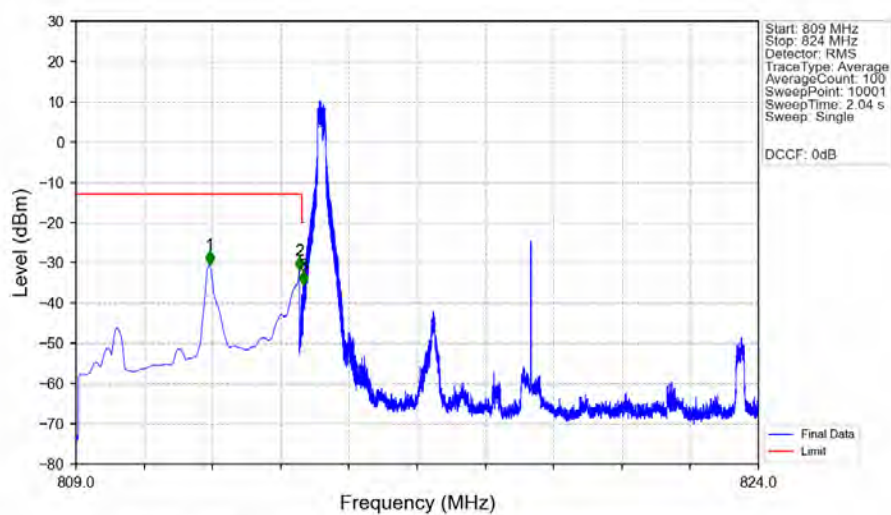
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 819MHz Outer Full Ant1



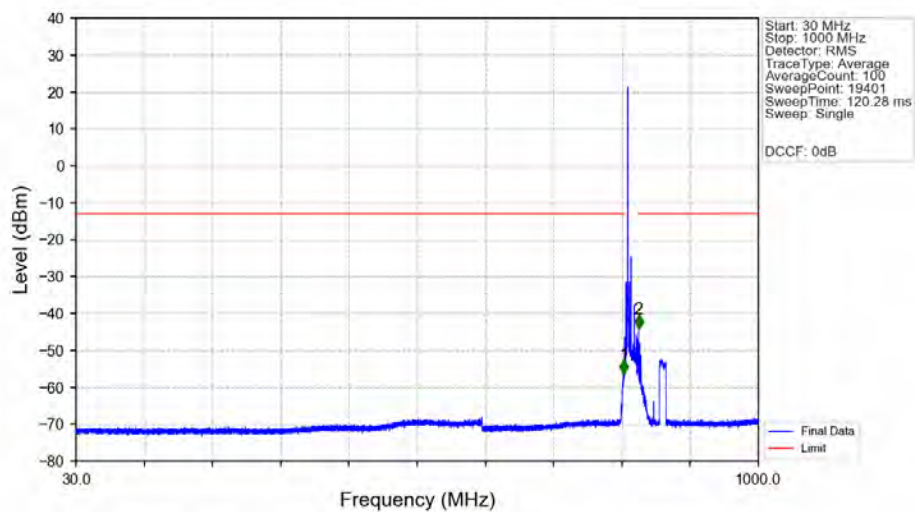
n26a 15kHz SISO NTNV 10MHz DFT-s-OFDM PI/2 BPSK 819MHz Inner 1RB Left Ant1



n26a 15kHz SISO NTNV 10MHz DFT-s-OFDM QPSK 819MHz Edge 1RB Left Ant1

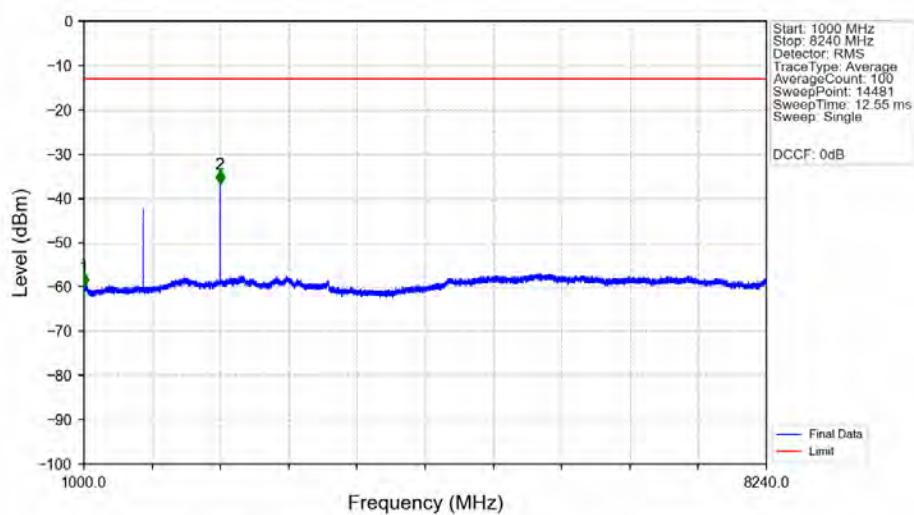


n26a 15kHz SISO NTNv 10MHz DFT-s-OFDM QPSK 819MHz Edge 1RB Left Ant1



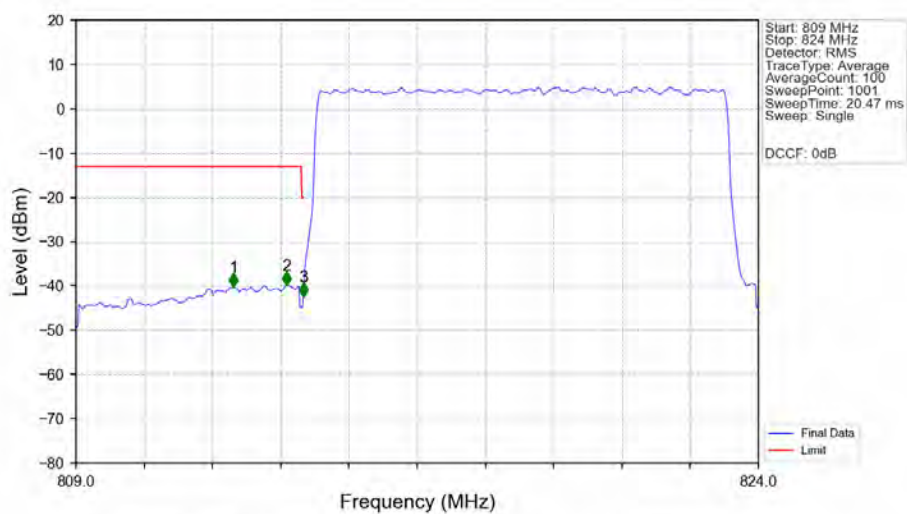
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	813	0.1	/	1	808.600	-56.29	-13	Pass
813	829	0.1	/	/	/	/	/	/
829	1000	0.1	/	2	829.750	-44.18	-13	Pass

n26a 15kHz SISO NTNv 10MHz DFT-s-OFDM QPSK 819MHz Edge 1RB Left Ant1

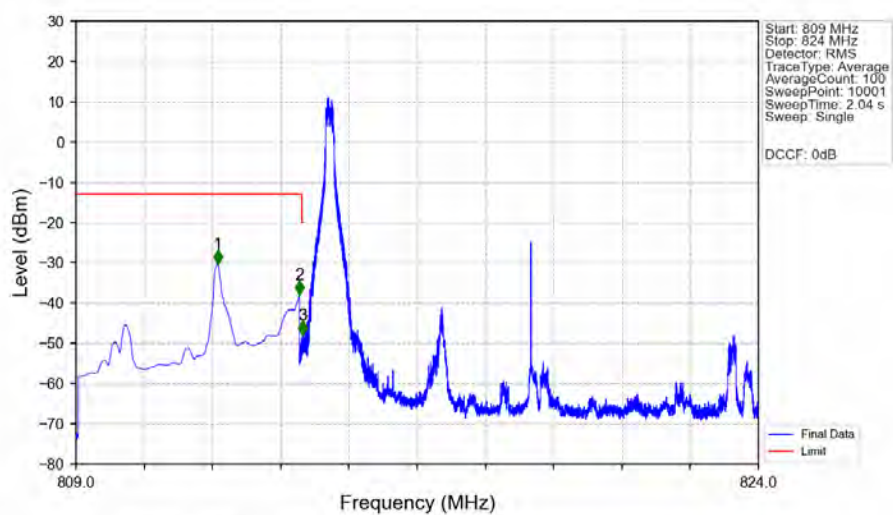


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-59.83	-13	Pass
1000	8240	1	/	2	2443.500	-36.82	-13	Pass

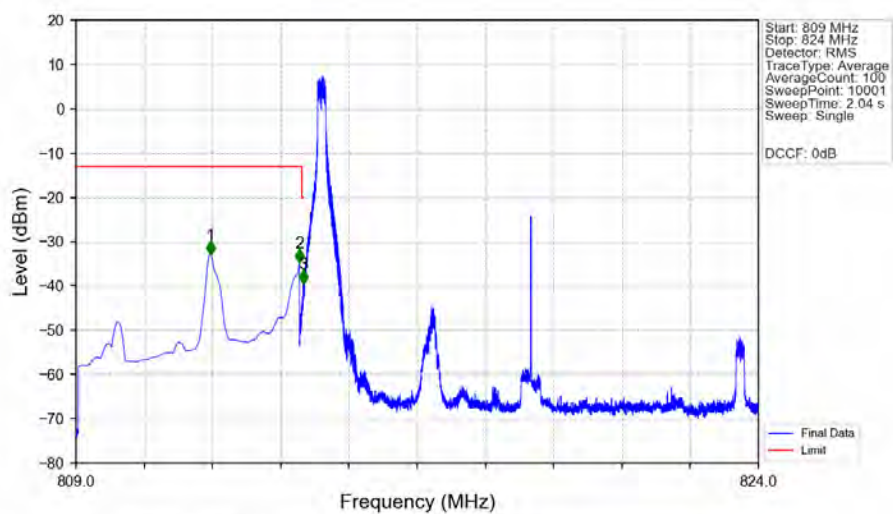
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 819MHz Outer Full Ant1



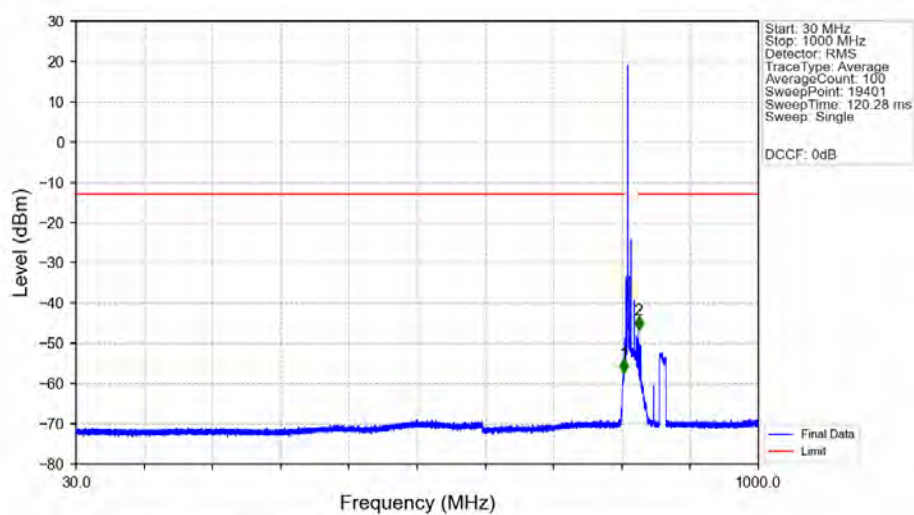
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 819MHz Inner 1RB Left Ant1



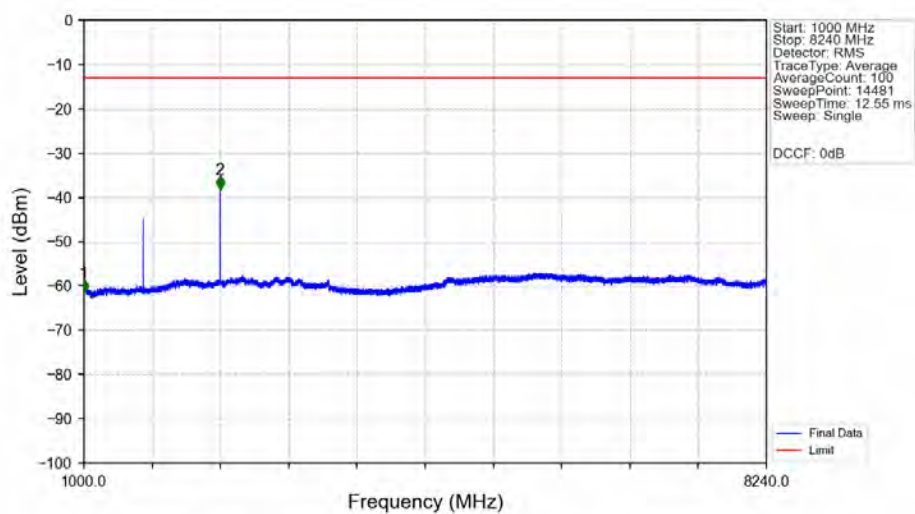
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Edge 1RB Left Ant1



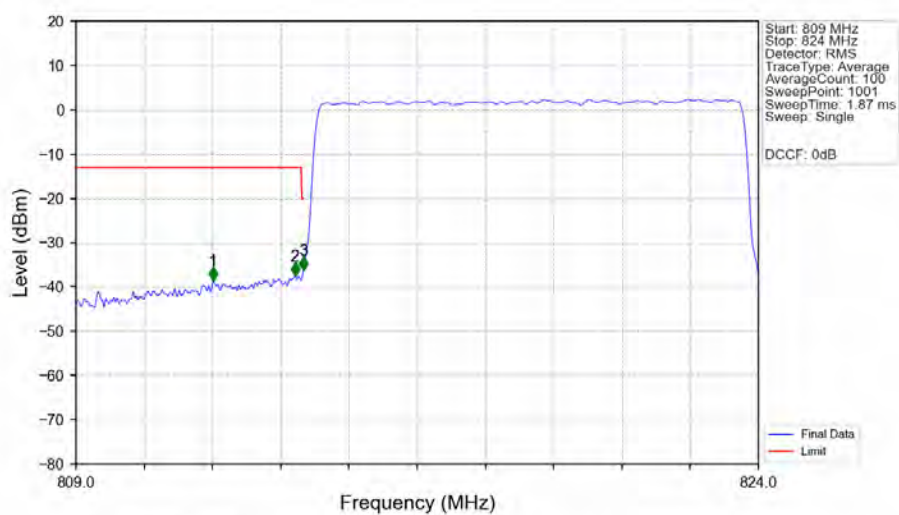
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Edge 1RB Left Ant1



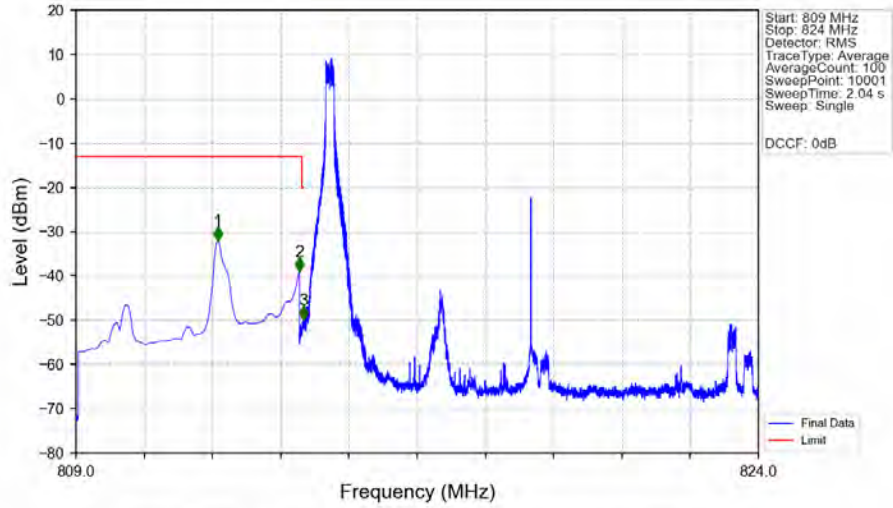
n26a 15kHz SISO NTV 10MHz CP-OFDM QPSK 819MHz Edge 1RB Left Ant1



n26a 15kHz SISO NTV 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



n26a 15kHz SISO NTV 10MHz CP-OFDM QPSK 819MHz Inner 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	812.119	-32.05	-13	Pass
813	813.963	0.1	CHP	2	813.911	-38.89	-13	Pass
813.963	814	0.003	/	3	814.000	-49.88	-20	Pass
814	824	0.003	/	/	/	/	/	/