

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n5 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 QPSK	826.5	Edge_1RB_Left	22.80	/	/	16.00	/	/	<=38.45	Pass
		Edge_1RB_Right	22.83	/	/	16.03	/	/	<=38.45	Pass
		Outer_Full	22.57	/	/	15.77	/	/	<=38.45	Pass
		Inner_Full	23.60	/	/	16.80	/	/	<=38.45	Pass
		Inner_1RB_Left	23.92	/	/	17.12	/	/	<=38.45	Pass
		Inner_1RB_Right	23.93	/	/	17.13	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.55	/	/	15.75	/	/	<=38.45	Pass
		Edge_1RB_Right	22.54	/	/	15.74	/	/	<=38.45	Pass
		Outer_Full	22.57	/	/	15.77	/	/	<=38.45	Pass
		Inner_Full	23.59	/	/	16.79	/	/	<=38.45	Pass
		Inner_1RB_Left	23.58	/	/	16.78	/	/	<=38.45	Pass
		Inner_1RB_Right	23.51	/	/	16.71	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	22.61	/	/	15.81	/	/	<=38.45	Pass
		Edge_1RB_Right	22.62	/	/	15.82	/	/	<=38.45	Pass
		Outer_Full	22.58	/	/	15.78	/	/	<=38.45	Pass
		Inner_Full	23.63	/	/	16.83	/	/	<=38.45	Pass
		Inner_1RB_Left	23.61	/	/	16.81	/	/	<=38.45	Pass
		Inner_1RB_Right	23.57	/	/	16.77	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	826.5	Edge_1RB_Left	21.79	/	/	14.99	/	/	<=38.45	Pass
		Edge_1RB_Right	21.82	/	/	15.02	/	/	<=38.45	Pass
		Outer_Full	21.58	/	/	14.78	/	/	<=38.45	Pass
		Inner_Full	22.66	/	/	15.86	/	/	<=38.45	Pass
		Inner_1RB_Left	22.81	/	/	16.01	/	/	<=38.45	Pass
		Inner_1RB_Right	22.88	/	/	16.08	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.55	/	/	14.75	/	/	<=38.45	Pass
		Edge_1RB_Right	21.54	/	/	14.74	/	/	<=38.45	Pass
		Outer_Full	21.63	/	/	14.83	/	/	<=38.45	Pass
		Inner_Full	22.68	/	/	15.88	/	/	<=38.45	Pass
		Inner_1RB_Left	22.56	/	/	15.76	/	/	<=38.45	Pass
		Inner_1RB_Right	22.48	/	/	15.68	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.67	/	/	14.87	/	/	<=38.45	Pass
		Edge_1RB_Right	21.57	/	/	14.77	/	/	<=38.45	Pass
		Outer_Full	21.59	/	/	14.79	/	/	<=38.45	Pass
		Inner_Full	22.72	/	/	15.92	/	/	<=38.45	Pass
		Inner_1RB_Left	22.55	/	/	15.75	/	/	<=38.45	Pass
		Inner_1RB_Right	22.46	/	/	15.66	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	826.5	Edge_1RB_Left	20.89	/	/	14.09	/	/	<=38.45	Pass
		Edge_1RB_Right	20.90	/	/	14.10	/	/	<=38.45	Pass
		Outer_Full	21.13	/	/	14.33	/	/	<=38.45	Pass
		Inner_Full	21.00	/	/	14.20	/	/	<=38.45	Pass
		Inner_1RB_Left	20.86	/	/	14.06	/	/	<=38.45	Pass
		Inner_1RB_Right	20.93	/	/	14.13	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.99	/	/	14.19	/	/	<=38.45	Pass
		Edge_1RB_Right	20.99	/	/	14.19	/	/	<=38.45	Pass
		Outer_Full	21.00	/	/	14.20	/	/	<=38.45	Pass
		Inner_Full	21.08	/	/	14.28	/	/	<=38.45	Pass
		Inner_1RB_Left	21.00	/	/	14.20	/	/	<=38.45	Pass
		Inner_1RB_Right	20.96	/	/	14.16	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	21.04	/	/	14.24	/	/	<=38.45	Pass

		Edge_1RB_Right	20.98	/	/	14.18	/	/	<=38.45	Pass
		Outer_Full	21.05	/	/	14.25	/	/	<=38.45	Pass
		Inner_Full	21.09	/	/	14.29	/	/	<=38.45	Pass
		Inner_1RB_Left	21.03	/	/	14.23	/	/	<=38.45	Pass
		Inner_1RB_Right	20.99	/	/	14.19	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	826.5	Edge_1RB_Left	19.20	/	/	12.40	/	/	<=38.45	Pass
		Edge_1RB_Right	19.21	/	/	12.41	/	/	<=38.45	Pass
		Outer_Full	19.11	/	/	12.31	/	/	<=38.45	Pass
		Inner_Full	19.11	/	/	12.31	/	/	<=38.45	Pass
		Inner_1RB_Left	19.24	/	/	12.44	/	/	<=38.45	Pass
		Inner_1RB_Right	19.29	/	/	12.49	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	18.89	/	/	12.09	/	/	<=38.45	Pass
		Edge_1RB_Right	18.85	/	/	12.05	/	/	<=38.45	Pass
		Outer_Full	19.21	/	/	12.41	/	/	<=38.45	Pass
		Inner_Full	19.11	/	/	12.31	/	/	<=38.45	Pass
		Inner_1RB_Left	18.89	/	/	12.09	/	/	<=38.45	Pass
		Inner_1RB_Right	18.83	/	/	12.03	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	19.01	/	/	12.21	/	/	<=38.45	Pass
		Edge_1RB_Right	18.94	/	/	12.14	/	/	<=38.45	Pass
		Outer_Full	19.17	/	/	12.37	/	/	<=38.45	Pass
		Inner_Full	19.14	/	/	12.34	/	/	<=38.45	Pass
		Inner_1RB_Left	18.93	/	/	12.13	/	/	<=38.45	Pass
		Inner_1RB_Right	18.91	/	/	12.11	/	/	<=38.45	Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	20.52	/	/	13.72	/	/	<=38.45	Pass
		Edge_1RB_Right	20.50	/	/	13.70	/	/	<=38.45	Pass
		Outer_Full	20.42	/	/	13.62	/	/	<=38.45	Pass
		Inner_Full	21.99	/	/	15.19	/	/	<=38.45	Pass
		Inner_1RB_Left	21.86	/	/	15.06	/	/	<=38.45	Pass
		Inner_1RB_Right	21.91	/	/	15.11	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.49	/	/	13.69	/	/	<=38.45	Pass
		Edge_1RB_Right	20.52	/	/	13.72	/	/	<=38.45	Pass
		Outer_Full	20.53	/	/	13.73	/	/	<=38.45	Pass
		Inner_Full	22.01	/	/	15.21	/	/	<=38.45	Pass
		Inner_1RB_Left	21.90	/	/	15.10	/	/	<=38.45	Pass
		Inner_1RB_Right	21.94	/	/	15.14	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.60	/	/	13.80	/	/	<=38.45	Pass
		Edge_1RB_Right	20.62	/	/	13.82	/	/	<=38.45	Pass
		Outer_Full	20.51	/	/	13.71	/	/	<=38.45	Pass
		Inner_Full	22.00	/	/	15.20	/	/	<=38.45	Pass
		Inner_1RB_Left	22.04	/	/	15.24	/	/	<=38.45	Pass
		Inner_1RB_Right	21.98	/	/	15.18	/	/	<=38.45	Pass
CP-OFDM 16 QAM	826.5	Edge_1RB_Left	20.76	/	/	13.96	/	/	<=38.45	Pass
		Edge_1RB_Right	20.74	/	/	13.94	/	/	<=38.45	Pass
		Outer_Full	20.52	/	/	13.72	/	/	<=38.45	Pass
		Inner_Full	21.62	/	/	14.82	/	/	<=38.45	Pass
		Inner_1RB_Left	21.82	/	/	15.02	/	/	<=38.45	Pass
		Inner_1RB_Right	21.75	/	/	14.95	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.47	/	/	13.67	/	/	<=38.45	Pass
		Edge_1RB_Right	20.50	/	/	13.70	/	/	<=38.45	Pass
		Outer_Full	20.56	/	/	13.76	/	/	<=38.45	Pass
		Inner_Full	21.68	/	/	14.88	/	/	<=38.45	Pass
		Inner_1RB_Left	21.55	/	/	14.75	/	/	<=38.45	Pass
		Inner_1RB_Right	21.47	/	/	14.67	/	/	<=38.45	Pass
	846.5	Edge_1RB_Left	20.58	/	/	13.78	/	/	<=38.45	Pass
		Edge_1RB_Right	20.55	/	/	13.75	/	/	<=38.45	Pass
		Outer_Full	20.53	/	/	13.73	/	/	<=38.45	Pass
		Inner_Full	21.69	/	/	14.89	/	/	<=38.45	Pass
		Inner_1RB_Left	21.62	/	/	14.82	/	/	<=38.45	Pass
		Inner_1RB_Right	21.60	/	/	14.80	/	/	<=38.45	Pass

CP-OFDM 64 QAM	826.5	Edge 1RB Left	20.06	/	/	13.26	/	/	<=38.45	Pass
		Edge 1RB Right	20.02	/	/	13.22	/	/	<=38.45	Pass
		Outer Full	20.13	/	/	13.33	/	/	<=38.45	Pass
		Inner Full	20.02	/	/	13.22	/	/	<=38.45	Pass
		Inner 1RB Left	20.08	/	/	13.28	/	/	<=38.45	Pass
		Inner 1RB Right	19.96	/	/	13.16	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.09	/	/	13.29	/	/	<=38.45	Pass
		Edge 1RB Right	20.06	/	/	13.26	/	/	<=38.45	Pass
		Outer Full	19.97	/	/	13.17	/	/	<=38.45	Pass
		Inner Full	19.96	/	/	13.16	/	/	<=38.45	Pass
		Inner 1RB Left	20.05	/	/	13.25	/	/	<=38.45	Pass
		Inner 1RB Right	20.01	/	/	13.21	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	20.09	/	/	13.29	/	/	<=38.45	Pass
		Edge 1RB Right	20.10	/	/	13.30	/	/	<=38.45	Pass
		Outer Full	19.94	/	/	13.14	/	/	<=38.45	Pass
		Inner Full	19.95	/	/	13.15	/	/	<=38.45	Pass
		Inner 1RB Left	20.14	/	/	13.34	/	/	<=38.45	Pass
		Inner 1RB Right	20.05	/	/	13.25	/	/	<=38.45	Pass
CP-OFDM 256 QAM	826.5	Edge 1RB Left	17.23	/	/	10.43	/	/	<=38.45	Pass
		Edge 1RB Right	17.27	/	/	10.47	/	/	<=38.45	Pass
		Outer Full	17.05	/	/	10.25	/	/	<=38.45	Pass
		Inner Full	16.90	/	/	10.10	/	/	<=38.45	Pass
		Inner 1RB Left	17.24	/	/	10.44	/	/	<=38.45	Pass
		Inner 1RB Right	17.21	/	/	10.41	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	16.87	/	/	10.07	/	/	<=38.45	Pass
		Edge 1RB Right	16.84	/	/	10.04	/	/	<=38.45	Pass
		Outer Full	17.11	/	/	10.31	/	/	<=38.45	Pass
		Inner Full	16.96	/	/	10.16	/	/	<=38.45	Pass
		Inner 1RB Left	16.85	/	/	10.05	/	/	<=38.45	Pass
		Inner 1RB Right	16.78	/	/	9.98	/	/	<=38.45	Pass
	846.5	Edge 1RB Left	16.93	/	/	10.13	/	/	<=38.45	Pass
		Edge 1RB Right	16.90	/	/	10.10	/	/	<=38.45	Pass
		Outer Full	17.06	/	/	10.26	/	/	<=38.45	Pass
		Inner Full	16.98	/	/	10.18	/	/	<=38.45	Pass
		Inner 1RB Left	16.90	/	/	10.10	/	/	<=38.45	Pass
		Inner 1RB Right	16.88	/	/	10.08	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -4.65dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n5 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 QPSK	829	Edge 1RB Left	22.38	/	/	15.58	/	/	<=38.45	Pass
		Edge 1RB Right	22.40	/	/	15.60	/	/	<=38.45	Pass
		Outer Full	22.60	/	/	15.80	/	/	<=38.45	Pass
		Inner Full	23.60	/	/	16.80	/	/	<=38.45	Pass
		Inner 1RB Left	23.39	/	/	16.59	/	/	<=38.45	Pass
		Inner 1RB Right	23.44	/	/	16.64	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.54	/	/	15.74	/	/	<=38.45	Pass
		Edge 1RB Right	22.50	/	/	15.70	/	/	<=38.45	Pass
		Outer Full	22.54	/	/	15.74	/	/	<=38.45	Pass
		Inner Full	23.61	/	/	16.81	/	/	<=38.45	Pass
		Inner 1RB Left	23.54	/	/	16.74	/	/	<=38.45	Pass
		Inner 1RB Right	23.52	/	/	16.72	/	/	<=38.45	Pass
	844	Edge 1RB Left	22.44	/	/	15.64	/	/	<=38.45	Pass
		Edge 1RB Right	22.43	/	/	15.63	/	/	<=38.45	Pass

		Outer Full	22.58	/	/	15.78	/	/	<=38.45	Pass
		Inner Full	23.64	/	/	16.84	/	/	<=38.45	Pass
		Inner 1RB Left	23.41	/	/	16.61	/	/	<=38.45	Pass
		Inner 1RB Right	23.37	/	/	16.57	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge 1RB Left	21.42	/	/	14.62	/	/	<=38.45	Pass
		Edge 1RB Right	21.47	/	/	14.67	/	/	<=38.45	Pass
		Outer Full	21.60	/	/	14.80	/	/	<=38.45	Pass
		Inner Full	22.62	/	/	15.82	/	/	<=38.45	Pass
		Inner 1RB Left	22.44	/	/	15.64	/	/	<=38.45	Pass
		Inner 1RB Right	22.45	/	/	15.65	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.24	/	/	14.44	/	/	<=38.45	Pass
		Edge 1RB Right	21.17	/	/	14.37	/	/	<=38.45	Pass
		Outer Full	21.55	/	/	14.75	/	/	<=38.45	Pass
		Inner Full	22.59	/	/	15.79	/	/	<=38.45	Pass
		Inner 1RB Left	22.14	/	/	15.34	/	/	<=38.45	Pass
		Inner 1RB Right	22.20	/	/	15.40	/	/	<=38.45	Pass
	844	Edge 1RB Left	21.76	/	/	14.96	/	/	<=38.45	Pass
		Edge 1RB Right	21.83	/	/	15.03	/	/	<=38.45	Pass
		Outer Full	21.55	/	/	14.75	/	/	<=38.45	Pass
		Inner Full	22.68	/	/	15.88	/	/	<=38.45	Pass
		Inner 1RB Left	22.86	/	/	16.06	/	/	<=38.45	Pass
		Inner 1RB Right	22.94	/	/	16.14	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge 1RB Left	21.17	/	/	14.37	/	/	<=38.45	Pass
		Edge 1RB Right	21.30	/	/	14.50	/	/	<=38.45	Pass
		Outer Full	21.08	/	/	14.28	/	/	<=38.45	Pass
		Inner Full	21.16	/	/	14.36	/	/	<=38.45	Pass
		Inner 1RB Left	21.10	/	/	14.30	/	/	<=38.45	Pass
		Inner 1RB Right	21.25	/	/	14.45	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.07	/	/	14.27	/	/	<=38.45	Pass
		Edge 1RB Right	21.09	/	/	14.29	/	/	<=38.45	Pass
		Outer Full	21.09	/	/	14.29	/	/	<=38.45	Pass
		Inner Full	21.13	/	/	14.33	/	/	<=38.45	Pass
		Inner 1RB Left	21.06	/	/	14.26	/	/	<=38.45	Pass
		Inner 1RB Right	21.12	/	/	14.32	/	/	<=38.45	Pass
	844	Edge 1RB Left	21.06	/	/	14.26	/	/	<=38.45	Pass
		Edge 1RB Right	21.05	/	/	14.25	/	/	<=38.45	Pass
		Outer Full	21.01	/	/	14.21	/	/	<=38.45	Pass
		Inner Full	21.14	/	/	14.34	/	/	<=38.45	Pass
		Inner 1RB Left	21.07	/	/	14.27	/	/	<=38.45	Pass
		Inner 1RB Right	21.01	/	/	14.21	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge 1RB Left	19.08	/	/	12.28	/	/	<=38.45	Pass
		Edge 1RB Right	19.16	/	/	12.36	/	/	<=38.45	Pass
		Outer Full	19.02	/	/	12.22	/	/	<=38.45	Pass
		Inner Full	19.10	/	/	12.30	/	/	<=38.45	Pass
		Inner 1RB Left	19.10	/	/	12.30	/	/	<=38.45	Pass
		Inner 1RB Right	19.15	/	/	12.35	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.35	/	/	12.55	/	/	<=38.45	Pass
		Edge 1RB Right	19.31	/	/	12.51	/	/	<=38.45	Pass
		Outer Full	19.05	/	/	12.25	/	/	<=38.45	Pass
		Inner Full	19.12	/	/	12.32	/	/	<=38.45	Pass
		Inner 1RB Left	19.34	/	/	12.54	/	/	<=38.45	Pass
		Inner 1RB Right	19.33	/	/	12.53	/	/	<=38.45	Pass
	844	Edge 1RB Left	19.24	/	/	12.44	/	/	<=38.45	Pass
		Edge 1RB Right	19.23	/	/	12.43	/	/	<=38.45	Pass
		Outer Full	18.98	/	/	12.18	/	/	<=38.45	Pass
		Inner Full	19.16	/	/	12.36	/	/	<=38.45	Pass
		Inner 1RB Left	19.21	/	/	12.41	/	/	<=38.45	Pass
		Inner 1RB Right	19.18	/	/	12.38	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge 1RB Left	20.67	/	/	13.87	/	/	<=38.45	Pass

		Edge_1RB_Right	20.80	/	/	14.00	/	/	<=38.45	Pass
		Outer_Full	20.51	/	/	13.71	/	/	<=38.45	Pass
		Inner_Full	22.08	/	/	15.28	/	/	<=38.45	Pass
		Inner_1RB_Left	22.25	/	/	15.45	/	/	<=38.45	Pass
		Inner_1RB_Right	22.33	/	/	15.53	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.66	/	/	13.86	/	/	<=38.45	Pass
		Edge_1RB_Right	20.62	/	/	13.82	/	/	<=38.45	Pass
		Outer_Full	20.52	/	/	13.72	/	/	<=38.45	Pass
		Inner_Full	22.08	/	/	15.28	/	/	<=38.45	Pass
		Inner_1RB_Left	22.24	/	/	15.44	/	/	<=38.45	Pass
	844	Inner_1RB_Right	22.13	/	/	15.33	/	/	<=38.45	Pass
		Edge_1RB_Left	20.33	/	/	13.53	/	/	<=38.45	Pass
		Edge_1RB_Right	20.33	/	/	13.53	/	/	<=38.45	Pass
		Outer_Full	20.42	/	/	13.62	/	/	<=38.45	Pass
		Inner_Full	22.08	/	/	15.28	/	/	<=38.45	Pass
CP-OFDM 16 QAM		Inner_1RB_Left	21.80	/	/	15.00	/	/	<=38.45	Pass
		Inner_1RB_Right	21.75	/	/	14.95	/	/	<=38.45	Pass
		Edge_1RB_Left	20.44	/	/	13.64	/	/	<=38.45	Pass
		Edge_1RB_Right	20.52	/	/	13.72	/	/	<=38.45	Pass
		Outer_Full	20.52	/	/	13.72	/	/	<=38.45	Pass
	829	Inner_Full	21.60	/	/	14.80	/	/	<=38.45	Pass
		Inner_1RB_Left	21.47	/	/	14.67	/	/	<=38.45	Pass
		Inner_1RB_Right	21.49	/	/	14.69	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.36	/	/	13.56	/	/	<=38.45	Pass
		Edge_1RB_Right	20.23	/	/	13.43	/	/	<=38.45	Pass
		Outer_Full	20.50	/	/	13.70	/	/	<=38.45	Pass
		Inner_Full	21.61	/	/	14.81	/	/	<=38.45	Pass
		Inner_1RB_Left	21.36	/	/	14.56	/	/	<=38.45	Pass
	844	Inner_1RB_Right	21.17	/	/	14.37	/	/	<=38.45	Pass
		Edge_1RB_Left	20.94	/	/	14.14	/	/	<=38.45	Pass
		Edge_1RB_Right	20.88	/	/	14.08	/	/	<=38.45	Pass
		Outer_Full	20.44	/	/	13.64	/	/	<=38.45	Pass
		Inner_Full	21.65	/	/	14.85	/	/	<=38.45	Pass
CP-OFDM 64 QAM		Inner_1RB_Left	22.04	/	/	15.24	/	/	<=38.45	Pass
		Inner_1RB_Right	22.16	/	/	15.36	/	/	<=38.45	Pass
	829	Edge_1RB_Left	20.09	/	/	13.29	/	/	<=38.45	Pass
		Edge_1RB_Right	20.11	/	/	13.31	/	/	<=38.45	Pass
		Outer_Full	20.08	/	/	13.28	/	/	<=38.45	Pass
		Inner_Full	20.05	/	/	13.25	/	/	<=38.45	Pass
	836.5	Inner_1RB_Left	20.10	/	/	13.30	/	/	<=38.45	Pass
		Inner_1RB_Right	20.14	/	/	13.34	/	/	<=38.45	Pass
		Edge_1RB_Left	20.27	/	/	13.47	/	/	<=38.45	Pass
		Edge_1RB_Right	20.27	/	/	13.47	/	/	<=38.45	Pass
		Outer_Full	20.04	/	/	13.24	/	/	<=38.45	Pass
	844	Inner_Full	19.93	/	/	13.13	/	/	<=38.45	Pass
		Inner_1RB_Left	20.22	/	/	13.42	/	/	<=38.45	Pass
		Inner_1RB_Right	20.31	/	/	13.51	/	/	<=38.45	Pass
		Edge_1RB_Left	20.01	/	/	13.21	/	/	<=38.45	Pass
		Edge_1RB_Right	20.06	/	/	13.26	/	/	<=38.45	Pass
CP-OFDM 256 QAM	829	Outer_Full	19.95	/	/	13.15	/	/	<=38.45	Pass
		Inner_Full	20.03	/	/	13.23	/	/	<=38.45	Pass
		Inner_1RB_Left	20.06	/	/	13.26	/	/	<=38.45	Pass
		Inner_1RB_Right	20.15	/	/	13.35	/	/	<=38.45	Pass
		Edge_1RB_Left	16.96	/	/	10.16	/	/	<=38.45	Pass
		Edge_1RB_Right	17.21	/	/	10.41	/	/	<=38.45	Pass
		Outer_Full	16.99	/	/	10.19	/	/	<=38.45	Pass
		Inner_Full	16.99	/	/	10.19	/	/	<=38.45	Pass
		Inner_1RB_Left	17.10	/	/	10.30	/	/	<=38.45	Pass
		Inner_1RB_Right	17.03	/	/	10.23	/	/	<=38.45	Pass

	836.5	Edge_1RB_Left	17.08	/	/	10.28	/	/	<=38.45	Pass
		Edge_1RB_Right	17.00	/	/	10.20	/	/	<=38.45	Pass
		Outer_Full	16.90	/	/	10.10	/	/	<=38.45	Pass
		Inner_Full	17.05	/	/	10.25	/	/	<=38.45	Pass
		Inner_1RB_Left	17.10	/	/	10.30	/	/	<=38.45	Pass
		Inner_1RB_Right	17.02	/	/	10.22	/	/	<=38.45	Pass
	844	Edge_1RB_Left	16.96	/	/	10.16	/	/	<=38.45	Pass
		Edge_1RB_Right	16.94	/	/	10.14	/	/	<=38.45	Pass
		Outer_Full	16.91	/	/	10.11	/	/	<=38.45	Pass
		Inner_Full	16.96	/	/	10.16	/	/	<=38.45	Pass
		Inner_1RB_Left	16.97	/	/	10.17	/	/	<=38.45	Pass
		Inner_1RB_Right	16.91	/	/	10.11	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -4.65dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.3 15k_SISO_15MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	22.43	/	/	15.63	/	/	<=38.45	Pass
		Edge_1RB_Right	22.53	/	/	15.73	/	/	<=38.45	Pass
		Outer_Full	22.74	/	/	15.94	/	/	<=38.45	Pass
		Inner_Full	23.84	/	/	17.04	/	/	<=38.45	Pass
		Inner_1RB_Left	23.49	/	/	16.69	/	/	<=38.45	Pass
		Inner_1RB_Right	23.50	/	/	16.70	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.63	/	/	15.83	/	/	<=38.45	Pass
		Edge_1RB_Right	22.57	/	/	15.77	/	/	<=38.45	Pass
		Outer_Full	22.65	/	/	15.85	/	/	<=38.45	Pass
		Inner_Full	23.69	/	/	16.89	/	/	<=38.45	Pass
		Inner_1RB_Left	23.68	/	/	16.88	/	/	<=38.45	Pass
		Inner_1RB_Right	23.60	/	/	16.80	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	22.53	/	/	15.73	/	/	<=38.45	Pass
		Edge_1RB_Right	22.59	/	/	15.79	/	/	<=38.45	Pass
		Outer_Full	22.72	/	/	15.92	/	/	<=38.45	Pass
		Inner_Full	23.79	/	/	16.99	/	/	<=38.45	Pass
		Inner_1RB_Left	23.30	/	/	16.50	/	/	<=38.45	Pass
		Inner_1RB_Right	23.17	/	/	16.37	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge_1RB_Left	21.60	/	/	14.80	/	/	<=38.45	Pass
		Edge_1RB_Right	21.61	/	/	14.81	/	/	<=38.45	Pass
		Outer_Full	21.74	/	/	14.94	/	/	<=38.45	Pass
		Inner_Full	22.75	/	/	15.95	/	/	<=38.45	Pass
		Inner_1RB_Left	22.55	/	/	15.75	/	/	<=38.45	Pass
		Inner_1RB_Right	22.56	/	/	15.76	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	21.91	/	/	15.11	/	/	<=38.45	Pass
		Edge_1RB_Right	21.74	/	/	14.94	/	/	<=38.45	Pass
		Outer_Full	21.68	/	/	14.88	/	/	<=38.45	Pass
		Inner_Full	22.78	/	/	15.98	/	/	<=38.45	Pass
		Inner_1RB_Left	22.67	/	/	15.87	/	/	<=38.45	Pass
		Inner_1RB_Right	22.72	/	/	15.92	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	21.26	/	/	14.46	/	/	<=38.45	Pass
		Edge_1RB_Right	21.49	/	/	14.69	/	/	<=38.45	Pass
		Outer_Full	21.85	/	/	15.05	/	/	<=38.45	Pass
		Inner_Full	22.73	/	/	15.93	/	/	<=38.45	Pass
		Inner_1RB_Left	22.47	/	/	15.67	/	/	<=38.45	Pass
		Inner_1RB_Right	22.07	/	/	15.27	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge_1RB_Left	20.86	/	/	14.06	/	/	<=38.45	Pass
		Edge_1RB_Right	20.88	/	/	14.08	/	/	<=38.45	Pass

		Outer Full	21.25	/	/	14.45	/	/	<=38.45	Pass
		Inner Full	21.22	/	/	14.42	/	/	<=38.45	Pass
		Inner 1RB Left	20.84	/	/	14.04	/	/	<=38.45	Pass
		Inner 1RB Right	20.85	/	/	14.05	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.94	/	/	14.14	/	/	<=38.45	Pass
		Edge 1RB Right	20.81	/	/	14.01	/	/	<=38.45	Pass
		Outer Full	21.16	/	/	14.36	/	/	<=38.45	Pass
		Inner Full	21.08	/	/	14.28	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	21.15	/	/	14.35	/	/	<=38.45	Pass
		Inner 1RB Right	21.06	/	/	14.26	/	/	<=38.45	Pass
		Edge 1RB Left	21.00	/	/	14.20	/	/	<=38.45	Pass
		Edge 1RB Right	20.90	/	/	14.10	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Outer Full	21.30	/	/	14.50	/	/	<=38.45	Pass
		Inner Full	21.27	/	/	14.47	/	/	<=38.45	Pass
		Inner 1RB Left	20.94	/	/	14.14	/	/	<=38.45	Pass
		Inner 1RB Right	20.91	/	/	14.11	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.06	/	/	12.26	/	/	<=38.45	Pass
		Edge 1RB Right	19.11	/	/	12.31	/	/	<=38.45	Pass
		Outer Full	19.20	/	/	12.40	/	/	<=38.45	Pass
		Inner Full	19.30	/	/	12.50	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	19.07	/	/	12.27	/	/	<=38.45	Pass
		Inner 1RB Right	19.11	/	/	12.31	/	/	<=38.45	Pass
		Edge 1RB Left	19.18	/	/	12.38	/	/	<=38.45	Pass
		Edge 1RB Right	19.06	/	/	12.26	/	/	<=38.45	Pass
	836.5	Outer Full	19.15	/	/	12.35	/	/	<=38.45	Pass
		Inner Full	19.19	/	/	12.39	/	/	<=38.45	Pass
		Inner 1RB Left	19.17	/	/	12.37	/	/	<=38.45	Pass
		Inner 1RB Right	19.00	/	/	12.20	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	19.15	/	/	12.35	/	/	<=38.45	Pass
		Edge 1RB Right	19.18	/	/	12.38	/	/	<=38.45	Pass
		Outer Full	19.26	/	/	12.46	/	/	<=38.45	Pass
		Inner Full	19.23	/	/	12.43	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Inner 1RB Left	19.07	/	/	12.27	/	/	<=38.45	Pass
		Inner 1RB Right	19.17	/	/	12.37	/	/	<=38.45	Pass
		Edge 1RB Left	20.40	/	/	13.60	/	/	<=38.45	Pass
		Edge 1RB Right	20.42	/	/	13.62	/	/	<=38.45	Pass
	836.5	Outer Full	20.67	/	/	13.87	/	/	<=38.45	Pass
		Inner Full	22.30	/	/	15.50	/	/	<=38.45	Pass
		Inner 1RB Left	21.99	/	/	15.19	/	/	<=38.45	Pass
		Inner 1RB Right	21.88	/	/	15.08	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.70	/	/	13.90	/	/	<=38.45	Pass
		Edge 1RB Right	20.66	/	/	13.86	/	/	<=38.45	Pass
		Outer Full	20.63	/	/	13.83	/	/	<=38.45	Pass
		Inner Full	22.23	/	/	15.43	/	/	<=38.45	Pass
	841.5	Inner 1RB Left	22.24	/	/	15.44	/	/	<=38.45	Pass
		Inner 1RB Right	22.00	/	/	15.20	/	/	<=38.45	Pass
		Edge 1RB Left	20.62	/	/	13.82	/	/	<=38.45	Pass
		Edge 1RB Right	20.60	/	/	13.80	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Outer Full	20.72	/	/	13.92	/	/	<=38.45	Pass
		Inner Full	22.26	/	/	15.46	/	/	<=38.45	Pass
		Inner 1RB Left	22.07	/	/	15.27	/	/	<=38.45	Pass
		Inner 1RB Right	21.87	/	/	15.07	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.68	/	/	13.88	/	/	<=38.45	Pass
		Edge 1RB Right	20.61	/	/	13.81	/	/	<=38.45	Pass
		Outer Full	20.67	/	/	13.87	/	/	<=38.45	Pass
		Inner Full	21.82	/	/	15.02	/	/	<=38.45	Pass
	836.5	Inner 1RB Left	21.75	/	/	14.95	/	/	<=38.45	Pass
		Inner 1RB Right	21.58	/	/	14.78	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.04	/	/	14.24	/	/	<=38.45	Pass

		Edge_1RB_Right	20.82	/	/	14.02	/	/	<=38.45	Pass
		Outer_Full	20.62	/	/	13.82	/	/	<=38.45	Pass
		Inner_Full	21.68	/	/	14.88	/	/	<=38.45	Pass
		Inner_1RB_Left	22.06	/	/	15.26	/	/	<=38.45	Pass
		Inner_1RB_Right	21.85	/	/	15.05	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	20.31	/	/	13.51	/	/	<=38.45	Pass
		Edge_1RB_Right	20.31	/	/	13.51	/	/	<=38.45	Pass
		Outer_Full	20.70	/	/	13.90	/	/	<=38.45	Pass
		Inner_Full	21.65	/	/	14.85	/	/	<=38.45	Pass
		Inner_1RB_Left	21.36	/	/	14.56	/	/	<=38.45	Pass
	Inner_1RB_Right	21.21	/	/	14.41	/	/	<=38.45	Pass	
CP-OFDM 64 QAM	831.5	Edge_1RB_Left	19.90	/	/	13.10	/	/	<=38.45	Pass
		Edge_1RB_Right	19.74	/	/	12.94	/	/	<=38.45	Pass
		Outer_Full	20.16	/	/	13.36	/	/	<=38.45	Pass
		Inner_Full	20.28	/	/	13.48	/	/	<=38.45	Pass
		Inner_1RB_Left	19.78	/	/	12.98	/	/	<=38.45	Pass
		Inner_1RB_Right	19.72	/	/	12.92	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	19.86	/	/	13.06	/	/	<=38.45	Pass
		Edge_1RB_Right	19.75	/	/	12.95	/	/	<=38.45	Pass
		Outer_Full	20.18	/	/	13.38	/	/	<=38.45	Pass
		Inner_Full	20.16	/	/	13.36	/	/	<=38.45	Pass
		Inner_1RB_Left	19.87	/	/	13.07	/	/	<=38.45	Pass
		Inner_1RB_Right	19.86	/	/	13.06	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	19.67	/	/	12.87	/	/	<=38.45	Pass
		Edge_1RB_Right	19.62	/	/	12.82	/	/	<=38.45	Pass
		Outer_Full	20.17	/	/	13.37	/	/	<=38.45	Pass
		Inner_Full	20.19	/	/	13.39	/	/	<=38.45	Pass
		Inner_1RB_Left	19.88	/	/	13.08	/	/	<=38.45	Pass
		Inner_1RB_Right	19.77	/	/	12.97	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Edge_1RB_Left	16.98	/	/	10.18	/	/	<=38.45	Pass
		Edge_1RB_Right	17.00	/	/	10.20	/	/	<=38.45	Pass
		Outer_Full	17.14	/	/	10.34	/	/	<=38.45	Pass
		Inner_Full	17.15	/	/	10.35	/	/	<=38.45	Pass
		Inner_1RB_Left	17.01	/	/	10.21	/	/	<=38.45	Pass
		Inner_1RB_Right	16.95	/	/	10.15	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.07	/	/	10.27	/	/	<=38.45	Pass
		Edge_1RB_Right	16.99	/	/	10.19	/	/	<=38.45	Pass
		Outer_Full	17.12	/	/	10.32	/	/	<=38.45	Pass
		Inner_Full	17.11	/	/	10.31	/	/	<=38.45	Pass
		Inner_1RB_Left	17.11	/	/	10.31	/	/	<=38.45	Pass
		Inner_1RB_Right	16.91	/	/	10.11	/	/	<=38.45	Pass
	841.5	Edge_1RB_Left	17.13	/	/	10.33	/	/	<=38.45	Pass
		Edge_1RB_Right	17.16	/	/	10.36	/	/	<=38.45	Pass
		Outer_Full	17.16	/	/	10.36	/	/	<=38.45	Pass
		Inner_Full	17.20	/	/	10.40	/	/	<=38.45	Pass
		Inner_1RB_Left	17.14	/	/	10.34	/	/	<=38.45	Pass
		Inner_1RB_Right	17.09	/	/	10.29	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -4.65dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.4 15k_SISO_20MHz_NTNV_ERP

5G NR n5 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Edge_1RB_Left	22.50	/	/	15.70	/	/	<=38.45	Pass
		Edge_1RB_Right	22.63	/	/	15.83	/	/	<=38.45	Pass
		Outer_Full	22.65	/	/	15.85	/	/	<=38.45	Pass

		Inner Full	23.79	/	/	16.99	/	/	<=38.45	Pass
		Inner 1RB Left	23.57	/	/	16.77	/	/	<=38.45	Pass
		Inner 1RB Right	23.31	/	/	16.51	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.54	/	/	15.74	/	/	<=38.45	Pass
		Edge 1RB Right	22.57	/	/	15.77	/	/	<=38.45	Pass
		Outer Full	22.71	/	/	15.91	/	/	<=38.45	Pass
		Inner Full	23.79	/	/	16.99	/	/	<=38.45	Pass
		Inner 1RB Left	23.53	/	/	16.73	/	/	<=38.45	Pass
		Inner 1RB Right	23.57	/	/	16.77	/	/	<=38.45	Pass
	839	Edge 1RB Left	23.01	/	/	16.21	/	/	<=38.45	Pass
		Edge 1RB Right	23.17	/	/	16.37	/	/	<=38.45	Pass
		Outer Full	23.03	/	/	16.23	/	/	<=38.45	Pass
		Inner Full	24.13	/	/	17.33	/	/	<=38.45	Pass
		Inner 1RB Left	23.43	/	/	16.63	/	/	<=38.45	Pass
		Inner 1RB Right	23.75	/	/	16.95	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	834	Edge 1RB Left	21.46	/	/	14.66	/	/	<=38.45	Pass
		Edge 1RB Right	21.44	/	/	14.64	/	/	<=38.45	Pass
		Outer Full	21.64	/	/	14.84	/	/	<=38.45	Pass
		Inner Full	22.82	/	/	16.02	/	/	<=38.45	Pass
		Inner 1RB Left	22.42	/	/	15.62	/	/	<=38.45	Pass
		Inner 1RB Right	22.46	/	/	15.66	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.77	/	/	14.97	/	/	<=38.45	Pass
		Edge 1RB Right	21.89	/	/	15.09	/	/	<=38.45	Pass
		Outer Full	21.73	/	/	14.93	/	/	<=38.45	Pass
		Inner Full	22.85	/	/	16.05	/	/	<=38.45	Pass
		Inner 1RB Left	22.84	/	/	16.04	/	/	<=38.45	Pass
		Inner 1RB Right	22.92	/	/	16.12	/	/	<=38.45	Pass
	839	Edge 1RB Left	21.17	/	/	14.37	/	/	<=38.45	Pass
		Edge 1RB Right	21.45	/	/	14.65	/	/	<=38.45	Pass
		Outer Full	22.05	/	/	15.25	/	/	<=38.45	Pass
		Inner Full	23.08	/	/	16.28	/	/	<=38.45	Pass
		Inner 1RB Left	22.23	/	/	15.43	/	/	<=38.45	Pass
		Inner 1RB Right	22.56	/	/	15.76	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	834	Edge 1RB Left	20.95	/	/	14.15	/	/	<=38.45	Pass
		Edge 1RB Right	20.98	/	/	14.18	/	/	<=38.45	Pass
		Outer Full	21.07	/	/	14.27	/	/	<=38.45	Pass
		Inner Full	21.29	/	/	14.49	/	/	<=38.45	Pass
		Inner 1RB Left	21.02	/	/	14.22	/	/	<=38.45	Pass
		Inner 1RB Right	21.02	/	/	14.22	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.23	/	/	14.43	/	/	<=38.45	Pass
		Edge 1RB Right	21.23	/	/	14.43	/	/	<=38.45	Pass
		Outer Full	21.27	/	/	14.47	/	/	<=38.45	Pass
		Inner Full	21.31	/	/	14.51	/	/	<=38.45	Pass
		Inner 1RB Left	21.23	/	/	14.43	/	/	<=38.45	Pass
		Inner 1RB Right	21.23	/	/	14.43	/	/	<=38.45	Pass
	839	Edge 1RB Left	20.72	/	/	13.92	/	/	<=38.45	Pass
		Edge 1RB Right	20.79	/	/	13.99	/	/	<=38.45	Pass
		Outer Full	21.63	/	/	14.83	/	/	<=38.45	Pass
		Inner Full	21.59	/	/	14.79	/	/	<=38.45	Pass
		Inner 1RB Left	20.56	/	/	13.76	/	/	<=38.45	Pass
		Inner 1RB Right	20.85	/	/	14.05	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	834	Edge 1RB Left	19.27	/	/	12.47	/	/	<=38.45	Pass
		Edge 1RB Right	19.42	/	/	12.62	/	/	<=38.45	Pass
		Outer Full	19.08	/	/	12.28	/	/	<=38.45	Pass
		Inner Full	19.24	/	/	12.44	/	/	<=38.45	Pass
		Inner 1RB Left	19.38	/	/	12.58	/	/	<=38.45	Pass
		Inner 1RB Right	19.45	/	/	12.65	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.09	/	/	12.29	/	/	<=38.45	Pass
		Edge 1RB Right	19.20	/	/	12.40	/	/	<=38.45	Pass

		Outer Full	19.22	/	/	12.42	/	/	<=38.45	Pass
		Inner Full	19.20	/	/	12.40	/	/	<=38.45	Pass
		Inner 1RB Left	19.08	/	/	12.28	/	/	<=38.45	Pass
		Inner 1RB Right	19.15	/	/	12.35	/	/	<=38.45	Pass
	839	Edge 1RB Left	19.34	/	/	12.54	/	/	<=38.45	Pass
		Edge 1RB Right	19.43	/	/	12.63	/	/	<=38.45	Pass
		Outer Full	19.52	/	/	12.72	/	/	<=38.45	Pass
		Inner Full	19.56	/	/	12.76	/	/	<=38.45	Pass
		Inner 1RB Left	19.27	/	/	12.47	/	/	<=38.45	Pass
		Inner 1RB Right	19.48	/	/	12.68	/	/	<=38.45	Pass
CP-OFDM QPSK	834	Edge 1RB Left	20.50	/	/	13.70	/	/	<=38.45	Pass
		Edge 1RB Right	20.60	/	/	13.80	/	/	<=38.45	Pass
		Outer Full	20.54	/	/	13.74	/	/	<=38.45	Pass
		Inner Full	22.22	/	/	15.42	/	/	<=38.45	Pass
		Inner 1RB Left	22.02	/	/	15.22	/	/	<=38.45	Pass
		Inner 1RB Right	22.13	/	/	15.33	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.37	/	/	13.57	/	/	<=38.45	Pass
		Edge 1RB Right	20.30	/	/	13.50	/	/	<=38.45	Pass
		Outer Full	20.71	/	/	13.91	/	/	<=38.45	Pass
		Inner Full	22.24	/	/	15.44	/	/	<=38.45	Pass
		Inner 1RB Left	21.82	/	/	15.02	/	/	<=38.45	Pass
		Inner 1RB Right	21.70	/	/	14.90	/	/	<=38.45	Pass
	839	Edge 1RB Left	20.24	/	/	13.44	/	/	<=38.45	Pass
		Edge 1RB Right	20.38	/	/	13.58	/	/	<=38.45	Pass
		Outer Full	20.96	/	/	14.16	/	/	<=38.45	Pass
		Inner Full	22.55	/	/	15.75	/	/	<=38.45	Pass
		Inner 1RB Left	21.68	/	/	14.88	/	/	<=38.45	Pass
		Inner 1RB Right	21.73	/	/	14.93	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Edge 1RB Left	20.40	/	/	13.60	/	/	<=38.45	Pass
		Edge 1RB Right	20.59	/	/	13.79	/	/	<=38.45	Pass
		Outer Full	20.55	/	/	13.75	/	/	<=38.45	Pass
		Inner Full	21.75	/	/	14.95	/	/	<=38.45	Pass
		Inner 1RB Left	21.59	/	/	14.79	/	/	<=38.45	Pass
		Inner 1RB Right	21.46	/	/	14.66	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.97	/	/	14.17	/	/	<=38.45	Pass
		Edge 1RB Right	21.09	/	/	14.29	/	/	<=38.45	Pass
		Outer Full	20.68	/	/	13.88	/	/	<=38.45	Pass
		Inner Full	21.79	/	/	14.99	/	/	<=38.45	Pass
		Inner 1RB Left	22.08	/	/	15.28	/	/	<=38.45	Pass
		Inner 1RB Right	22.06	/	/	15.26	/	/	<=38.45	Pass
	839	Edge 1RB Left	20.83	/	/	14.03	/	/	<=38.45	Pass
		Edge 1RB Right	20.46	/	/	13.66	/	/	<=38.45	Pass
		Outer Full	21.04	/	/	14.24	/	/	<=38.45	Pass
		Inner Full	22.02	/	/	15.22	/	/	<=38.45	Pass
		Inner 1RB Left	21.87	/	/	15.07	/	/	<=38.45	Pass
		Inner 1RB Right	21.77	/	/	14.97	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Edge 1RB Left	19.85	/	/	13.05	/	/	<=38.45	Pass
		Edge 1RB Right	19.94	/	/	13.14	/	/	<=38.45	Pass
		Outer Full	20.06	/	/	13.26	/	/	<=38.45	Pass
		Inner Full	20.21	/	/	13.41	/	/	<=38.45	Pass
		Inner 1RB Left	19.89	/	/	13.09	/	/	<=38.45	Pass
		Inner 1RB Right	19.88	/	/	13.08	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.15	/	/	13.35	/	/	<=38.45	Pass
		Edge 1RB Right	20.02	/	/	13.22	/	/	<=38.45	Pass
		Outer Full	20.22	/	/	13.42	/	/	<=38.45	Pass
		Inner Full	20.20	/	/	13.40	/	/	<=38.45	Pass
		Inner 1RB Left	20.05	/	/	13.25	/	/	<=38.45	Pass
		Inner 1RB Right	19.99	/	/	13.19	/	/	<=38.45	Pass
	839	Edge 1RB Left	20.44	/	/	13.64	/	/	<=38.45	Pass

		Edge_1RB_Right	20.61	/	/	13.81	/	/	<=38.45	Pass
		Outer_Full	20.47	/	/	13.67	/	/	<=38.45	Pass
		Inner_Full	20.56	/	/	13.76	/	/	<=38.45	Pass
		Inner_1RB_Left	20.42	/	/	13.62	/	/	<=38.45	Pass
		Inner_1RB_Right	20.50	/	/	13.70	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Edge_1RB_Left	17.35	/	/	10.55	/	/	<=38.45	Pass
		Edge_1RB_Right	17.43	/	/	10.63	/	/	<=38.45	Pass
		Outer_Full	16.98	/	/	10.18	/	/	<=38.45	Pass
		Inner_Full	17.18	/	/	10.38	/	/	<=38.45	Pass
		Inner_1RB_Left	17.21	/	/	10.41	/	/	<=38.45	Pass
		Inner_1RB_Right	17.34	/	/	10.54	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	17.14	/	/	10.34	/	/	<=38.45	Pass
		Edge_1RB_Right	17.15	/	/	10.35	/	/	<=38.45	Pass
		Outer_Full	17.06	/	/	10.26	/	/	<=38.45	Pass
		Inner_Full	17.12	/	/	10.32	/	/	<=38.45	Pass
		Inner_1RB_Left	17.07	/	/	10.27	/	/	<=38.45	Pass
		Inner_1RB_Right	17.09	/	/	10.29	/	/	<=38.45	Pass
	839	Edge_1RB_Left	17.38	/	/	10.58	/	/	<=38.45	Pass
		Edge_1RB_Right	17.71	/	/	10.91	/	/	<=38.45	Pass
		Outer_Full	17.44	/	/	10.64	/	/	<=38.45	Pass
Inner_Full		17.40	/	/	10.60	/	/	<=38.45	Pass	
Inner_1RB_Left		17.49	/	/	10.69	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.70	/	/	10.90	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -4.65dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.5 30k_SISO_10MHz_NTNV_ERP

5G NR n5 SCS=30kHz SISO 10MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	829	Edge_1RB_Left	22.74	/	/	15.94	/	/	<=38.45	Pass
		Edge_1RB_Right	22.87	/	/	16.07	/	/	<=38.45	Pass
		Outer_Full	23.28	/	/	16.48	/	/	<=38.45	Pass
		Inner_Full	23.95	/	/	17.15	/	/	<=38.45	Pass
		Inner_1RB_Left	23.73	/	/	16.93	/	/	<=38.45	Pass
		Inner_1RB_Right	23.27	/	/	16.47	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.74	/	/	15.94	/	/	<=38.45	Pass
		Edge_1RB_Right	22.89	/	/	16.09	/	/	<=38.45	Pass
		Outer_Full	22.98	/	/	16.18	/	/	<=38.45	Pass
		Inner_Full	24.04	/	/	17.24	/	/	<=38.45	Pass
		Inner_1RB_Left	23.84	/	/	17.04	/	/	<=38.45	Pass
		Inner_1RB_Right	23.88	/	/	17.08	/	/	<=38.45	Pass
	844	Edge_1RB_Left	22.93	/	/	16.13	/	/	<=38.45	Pass
		Edge_1RB_Right	22.85	/	/	16.05	/	/	<=38.45	Pass
		Outer_Full	23.02	/	/	16.22	/	/	<=38.45	Pass
		Inner_Full	24.07	/	/	17.27	/	/	<=38.45	Pass
		Inner_1RB_Left	23.94	/	/	17.14	/	/	<=38.45	Pass
		Inner_1RB_Right	23.95	/	/	17.15	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	829	Edge_1RB_Left	21.89	/	/	15.09	/	/	<=38.45	Pass
		Edge_1RB_Right	21.95	/	/	15.15	/	/	<=38.45	Pass
		Outer_Full	22.02	/	/	15.22	/	/	<=38.45	Pass
		Inner_Full	23.03	/	/	16.23	/	/	<=38.45	Pass
		Inner_1RB_Left	23.08	/	/	16.28	/	/	<=38.45	Pass
		Inner_1RB_Right	23.05	/	/	16.25	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.04	/	/	15.24	/	/	<=38.45	Pass
		Edge_1RB_Right	22.06	/	/	15.26	/	/	<=38.45	Pass
		Outer_Full	22.02	/	/	15.22	/	/	<=38.45	Pass

		Inner Full	23.02	/	/	16.22	/	/	<=38.45	Pass
		Inner 1RB Left	23.15	/	/	16.35	/	/	<=38.45	Pass
		Inner 1RB Right	23.24	/	/	16.44	/	/	<=38.45	Pass
	844	Edge 1RB Left	21.96	/	/	15.16	/	/	<=38.45	Pass
		Edge 1RB Right	22.16	/	/	15.36	/	/	<=38.45	Pass
		Outer Full	22.00	/	/	15.20	/	/	<=38.45	Pass
		Inner Full	23.12	/	/	16.32	/	/	<=38.45	Pass
		Inner 1RB Left	23.13	/	/	16.33	/	/	<=38.45	Pass
		Inner 1RB Right	23.36	/	/	16.56	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	829	Edge 1RB Left	21.21	/	/	14.41	/	/	<=38.45	Pass
		Edge 1RB Right	21.19	/	/	14.39	/	/	<=38.45	Pass
		Outer Full	21.52	/	/	14.72	/	/	<=38.45	Pass
		Inner Full	21.48	/	/	14.68	/	/	<=38.45	Pass
		Inner 1RB Left	21.23	/	/	14.43	/	/	<=38.45	Pass
		Inner 1RB Right	21.18	/	/	14.38	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.17	/	/	14.37	/	/	<=38.45	Pass
		Edge 1RB Right	21.45	/	/	14.65	/	/	<=38.45	Pass
		Outer Full	21.53	/	/	14.73	/	/	<=38.45	Pass
		Inner Full	21.63	/	/	14.83	/	/	<=38.45	Pass
		Inner 1RB Left	21.17	/	/	14.37	/	/	<=38.45	Pass
		Inner 1RB Right	21.22	/	/	14.42	/	/	<=38.45	Pass
	844	Edge 1RB Left	21.27	/	/	14.47	/	/	<=38.45	Pass
		Edge 1RB Right	21.32	/	/	14.52	/	/	<=38.45	Pass
		Outer Full	21.57	/	/	14.77	/	/	<=38.45	Pass
		Inner Full	21.62	/	/	14.82	/	/	<=38.45	Pass
		Inner 1RB Left	21.30	/	/	14.50	/	/	<=38.45	Pass
		Inner 1RB Right	21.24	/	/	14.44	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	829	Edge 1RB Left	19.41	/	/	12.61	/	/	<=38.45	Pass
		Edge 1RB Right	19.33	/	/	12.53	/	/	<=38.45	Pass
		Outer Full	19.40	/	/	12.60	/	/	<=38.45	Pass
		Inner Full	19.40	/	/	12.60	/	/	<=38.45	Pass
		Inner 1RB Left	19.40	/	/	12.60	/	/	<=38.45	Pass
		Inner 1RB Right	19.46	/	/	12.66	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.45	/	/	12.65	/	/	<=38.45	Pass
		Edge 1RB Right	19.50	/	/	12.70	/	/	<=38.45	Pass
		Outer Full	19.50	/	/	12.70	/	/	<=38.45	Pass
		Inner Full	19.37	/	/	12.57	/	/	<=38.45	Pass
		Inner 1RB Left	19.24	/	/	12.44	/	/	<=38.45	Pass
		Inner 1RB Right	19.38	/	/	12.58	/	/	<=38.45	Pass
	844	Edge 1RB Left	19.53	/	/	12.73	/	/	<=38.45	Pass
		Edge 1RB Right	19.56	/	/	12.76	/	/	<=38.45	Pass
		Outer Full	19.49	/	/	12.69	/	/	<=38.45	Pass
		Inner Full	19.50	/	/	12.70	/	/	<=38.45	Pass
		Inner 1RB Left	19.55	/	/	12.75	/	/	<=38.45	Pass
		Inner 1RB Right	19.42	/	/	12.62	/	/	<=38.45	Pass
CP-OFDM QPSK	829	Edge 1RB Left	20.84	/	/	14.04	/	/	<=38.45	Pass
		Edge 1RB Right	20.84	/	/	14.04	/	/	<=38.45	Pass
		Outer Full	20.88	/	/	14.08	/	/	<=38.45	Pass
		Inner Full	22.62	/	/	15.82	/	/	<=38.45	Pass
		Inner 1RB Left	22.26	/	/	15.46	/	/	<=38.45	Pass
		Inner 1RB Right	22.36	/	/	15.56	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.81	/	/	14.01	/	/	<=38.45	Pass
		Edge 1RB Right	20.90	/	/	14.10	/	/	<=38.45	Pass
		Outer Full	20.92	/	/	14.12	/	/	<=38.45	Pass
		Inner Full	22.55	/	/	15.75	/	/	<=38.45	Pass
		Inner 1RB Left	22.34	/	/	15.54	/	/	<=38.45	Pass
		Inner 1RB Right	22.30	/	/	15.50	/	/	<=38.45	Pass
	844	Edge 1RB Left	20.96	/	/	14.16	/	/	<=38.45	Pass
		Edge 1RB Right	20.98	/	/	14.18	/	/	<=38.45	Pass

		Outer_Full	20.94	/	/	14.14	/	/	<=38.45	Pass	
		Inner_Full	22.59	/	/	15.79	/	/	<=38.45	Pass	
		Inner_1RB_Left	22.43	/	/	15.63	/	/	<=38.45	Pass	
		Inner_1RB_Right	22.39	/	/	15.59	/	/	<=38.45	Pass	
CP-OFDM 16 QAM	829	Edge_1RB_Left	20.83	/	/	14.03	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.84	/	/	14.04	/	/	<=38.45	Pass	
		Outer_Full	20.99	/	/	14.19	/	/	<=38.45	Pass	
		Inner_Full	21.96	/	/	15.16	/	/	<=38.45	Pass	
		Inner_1RB_Left	21.80	/	/	15.00	/	/	<=38.45	Pass	
		Inner_1RB_Right	21.84	/	/	15.04	/	/	<=38.45	Pass	
		836.5	Edge_1RB_Left	20.90	/	/	14.10	/	/	<=38.45	Pass
			Edge_1RB_Right	20.78	/	/	13.98	/	/	<=38.45	Pass
	Outer_Full		21.05	/	/	14.25	/	/	<=38.45	Pass	
	Inner_Full		21.97	/	/	15.17	/	/	<=38.45	Pass	
	Inner_1RB_Left		21.70	/	/	14.90	/	/	<=38.45	Pass	
	Inner_1RB_Right		21.81	/	/	15.01	/	/	<=38.45	Pass	
	844	Edge_1RB_Left	21.14	/	/	14.34	/	/	<=38.45	Pass	
		Edge_1RB_Right	21.05	/	/	14.25	/	/	<=38.45	Pass	
		Outer_Full	21.01	/	/	14.21	/	/	<=38.45	Pass	
		Inner_Full	22.05	/	/	15.25	/	/	<=38.45	Pass	
Inner_1RB_Left		22.01	/	/	15.21	/	/	<=38.45	Pass		
Inner_1RB_Right		21.83	/	/	15.03	/	/	<=38.45	Pass		
CP-OFDM 64 QAM	829	Edge_1RB_Left	20.21	/	/	13.41	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.25	/	/	13.45	/	/	<=38.45	Pass	
		Outer_Full	20.51	/	/	13.71	/	/	<=38.45	Pass	
		Inner_Full	20.37	/	/	13.57	/	/	<=38.45	Pass	
		Inner_1RB_Left	20.27	/	/	13.47	/	/	<=38.45	Pass	
		Inner_1RB_Right	20.24	/	/	13.44	/	/	<=38.45	Pass	
	836.5	Edge_1RB_Left	20.35	/	/	13.55	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.36	/	/	13.56	/	/	<=38.45	Pass	
		Outer_Full	20.50	/	/	13.70	/	/	<=38.45	Pass	
		Inner_Full	20.51	/	/	13.71	/	/	<=38.45	Pass	
		Inner_1RB_Left	20.25	/	/	13.45	/	/	<=38.45	Pass	
		Inner_1RB_Right	20.34	/	/	13.54	/	/	<=38.45	Pass	
	844	Edge_1RB_Left	20.44	/	/	13.64	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.43	/	/	13.63	/	/	<=38.45	Pass	
		Outer_Full	20.57	/	/	13.77	/	/	<=38.45	Pass	
		Inner_Full	20.59	/	/	13.79	/	/	<=38.45	Pass	
Inner_1RB_Left		20.33	/	/	13.53	/	/	<=38.45	Pass		
Inner_1RB_Right		20.42	/	/	13.62	/	/	<=38.45	Pass		
CP-OFDM 256 QAM	829	Edge_1RB_Left	17.75	/	/	10.95	/	/	<=38.45	Pass	
		Edge_1RB_Right	17.49	/	/	10.69	/	/	<=38.45	Pass	
		Outer_Full	17.36	/	/	10.56	/	/	<=38.45	Pass	
		Inner_Full	17.21	/	/	10.41	/	/	<=38.45	Pass	
		Inner_1RB_Left	17.38	/	/	10.58	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.57	/	/	10.77	/	/	<=38.45	Pass	
	836.5	Edge_1RB_Left	17.67	/	/	10.87	/	/	<=38.45	Pass	
		Edge_1RB_Right	17.42	/	/	10.62	/	/	<=38.45	Pass	
		Outer_Full	17.34	/	/	10.54	/	/	<=38.45	Pass	
		Inner_Full	17.26	/	/	10.46	/	/	<=38.45	Pass	
		Inner_1RB_Left	17.55	/	/	10.75	/	/	<=38.45	Pass	
		Inner_1RB_Right	17.42	/	/	10.62	/	/	<=38.45	Pass	
	844	Edge_1RB_Left	17.59	/	/	10.79	/	/	<=38.45	Pass	
		Edge_1RB_Right	17.85	/	/	11.05	/	/	<=38.45	Pass	
Outer_Full		17.39	/	/	10.59	/	/	<=38.45	Pass		
Inner_Full		17.29	/	/	10.49	/	/	<=38.45	Pass		
Inner_1RB_Left		17.74	/	/	10.94	/	/	<=38.45	Pass		
Inner_1RB_Right		17.85	/	/	11.05	/	/	<=38.45	Pass		
Note1: Antenna Gain: Ant1: -4.65dBi;											

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.6 30k_SISO_15MHz_NTNV_ERP

5G NR n5 SCS=30kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Edge 1RB Left	22.75	/	/	15.95	/	/	<=38.45	Pass
		Edge 1RB Right	22.88	/	/	16.08	/	/	<=38.45	Pass
		Outer Full	23.02	/	/	16.22	/	/	<=38.45	Pass
		Inner Full	23.99	/	/	17.19	/	/	<=38.45	Pass
		Inner 1RB Left	23.69	/	/	16.89	/	/	<=38.45	Pass
		Inner 1RB Right	23.69	/	/	16.89	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	22.81	/	/	16.01	/	/	<=38.45	Pass
		Edge 1RB Right	22.80	/	/	16.00	/	/	<=38.45	Pass
		Outer Full	22.97	/	/	16.17	/	/	<=38.45	Pass
		Inner Full	23.99	/	/	17.19	/	/	<=38.45	Pass
		Inner 1RB Left	23.80	/	/	17.00	/	/	<=38.45	Pass
		Inner 1RB Right	23.92	/	/	17.12	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	22.67	/	/	15.87	/	/	<=38.45	Pass
		Edge 1RB Right	22.92	/	/	16.12	/	/	<=38.45	Pass
		Outer Full	17.07	/	/	10.27	/	/	<=38.45	Pass
		Inner Full	23.94	/	/	17.14	/	/	<=38.45	Pass
		Inner 1RB Left	23.61	/	/	16.81	/	/	<=38.45	Pass
		Inner 1RB Right	23.74	/	/	16.94	/	/	<=38.45	Pass
DFT-s-OFDM 16 QAM	831.5	Edge 1RB Left	21.87	/	/	15.07	/	/	<=38.45	Pass
		Edge 1RB Right	22.10	/	/	15.30	/	/	<=38.45	Pass
		Outer Full	21.97	/	/	15.17	/	/	<=38.45	Pass
		Inner Full	22.96	/	/	16.16	/	/	<=38.45	Pass
		Inner 1RB Left	23.04	/	/	16.24	/	/	<=38.45	Pass
		Inner 1RB Right	23.20	/	/	16.40	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.93	/	/	15.13	/	/	<=38.45	Pass
		Edge 1RB Right	22.09	/	/	15.29	/	/	<=38.45	Pass
		Outer Full	22.07	/	/	15.27	/	/	<=38.45	Pass
		Inner Full	22.95	/	/	16.15	/	/	<=38.45	Pass
		Inner 1RB Left	22.97	/	/	16.17	/	/	<=38.45	Pass
		Inner 1RB Right	23.34	/	/	16.54	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	21.93	/	/	15.13	/	/	<=38.45	Pass
		Edge 1RB Right	22.22	/	/	15.42	/	/	<=38.45	Pass
		Outer Full	21.96	/	/	15.16	/	/	<=38.45	Pass
		Inner Full	22.95	/	/	16.15	/	/	<=38.45	Pass
		Inner 1RB Left	22.93	/	/	16.13	/	/	<=38.45	Pass
		Inner 1RB Right	23.07	/	/	16.27	/	/	<=38.45	Pass
DFT-s-OFDM 64 QAM	831.5	Edge 1RB Left	21.20	/	/	14.40	/	/	<=38.45	Pass
		Edge 1RB Right	21.27	/	/	14.47	/	/	<=38.45	Pass
		Outer Full	21.51	/	/	14.71	/	/	<=38.45	Pass
		Inner Full	21.47	/	/	14.67	/	/	<=38.45	Pass
		Inner 1RB Left	21.15	/	/	14.35	/	/	<=38.45	Pass
		Inner 1RB Right	21.44	/	/	14.64	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	21.24	/	/	14.44	/	/	<=38.45	Pass
		Edge 1RB Right	21.35	/	/	14.55	/	/	<=38.45	Pass
		Outer Full	21.51	/	/	14.71	/	/	<=38.45	Pass
		Inner Full	21.46	/	/	14.66	/	/	<=38.45	Pass
		Inner 1RB Left	21.17	/	/	14.37	/	/	<=38.45	Pass
		Inner 1RB Right	21.32	/	/	14.52	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	21.19	/	/	14.39	/	/	<=38.45	Pass
		Edge 1RB Right	21.26	/	/	14.46	/	/	<=38.45	Pass

		Outer Full	21.46	/	/	14.66	/	/	<=38.45	Pass
		Inner Full	21.40	/	/	14.60	/	/	<=38.45	Pass
		Inner 1RB Left	21.10	/	/	14.30	/	/	<=38.45	Pass
		Inner 1RB Right	21.30	/	/	14.50	/	/	<=38.45	Pass
DFT-s-OFDM 256 QAM	831.5	Edge 1RB Left	19.24	/	/	12.44	/	/	<=38.45	Pass
		Edge 1RB Right	19.65	/	/	12.85	/	/	<=38.45	Pass
		Outer Full	19.40	/	/	12.60	/	/	<=38.45	Pass
		Inner Full	19.47	/	/	12.67	/	/	<=38.45	Pass
		Inner 1RB Left	19.30	/	/	12.50	/	/	<=38.45	Pass
		Inner 1RB Right	19.72	/	/	12.92	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	19.37	/	/	12.57	/	/	<=38.45	Pass
		Edge 1RB Right	19.57	/	/	12.77	/	/	<=38.45	Pass
		Outer Full	19.46	/	/	12.66	/	/	<=38.45	Pass
		Inner Full	19.47	/	/	12.67	/	/	<=38.45	Pass
		Inner 1RB Left	19.31	/	/	12.51	/	/	<=38.45	Pass
		Inner 1RB Right	19.62	/	/	12.82	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	19.45	/	/	12.65	/	/	<=38.45	Pass
		Edge 1RB Right	19.49	/	/	12.69	/	/	<=38.45	Pass
		Outer Full	19.41	/	/	12.61	/	/	<=38.45	Pass
		Inner Full	19.40	/	/	12.60	/	/	<=38.45	Pass
		Inner 1RB Left	19.34	/	/	12.54	/	/	<=38.45	Pass
		Inner 1RB Right	19.55	/	/	12.75	/	/	<=38.45	Pass
CP-OFDM QPSK	831.5	Edge 1RB Left	20.83	/	/	14.03	/	/	<=38.45	Pass
		Edge 1RB Right	20.91	/	/	14.11	/	/	<=38.45	Pass
		Outer Full	20.89	/	/	14.09	/	/	<=38.45	Pass
		Inner Full	22.53	/	/	15.73	/	/	<=38.45	Pass
		Inner 1RB Left	22.28	/	/	15.48	/	/	<=38.45	Pass
		Inner 1RB Right	22.37	/	/	15.57	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.60	/	/	13.80	/	/	<=38.45	Pass
		Edge 1RB Right	20.82	/	/	14.02	/	/	<=38.45	Pass
		Outer Full	20.97	/	/	14.17	/	/	<=38.45	Pass
		Inner Full	22.42	/	/	15.62	/	/	<=38.45	Pass
		Inner 1RB Left	22.08	/	/	15.28	/	/	<=38.45	Pass
		Inner 1RB Right	22.17	/	/	15.37	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	20.73	/	/	13.93	/	/	<=38.45	Pass
		Edge 1RB Right	20.87	/	/	14.07	/	/	<=38.45	Pass
		Outer Full	20.82	/	/	14.02	/	/	<=38.45	Pass
		Inner Full	22.40	/	/	15.60	/	/	<=38.45	Pass
		Inner 1RB Left	22.21	/	/	15.41	/	/	<=38.45	Pass
		Inner 1RB Right	22.26	/	/	15.46	/	/	<=38.45	Pass
CP-OFDM 16 QAM	831.5	Edge 1RB Left	20.95	/	/	14.15	/	/	<=38.45	Pass
		Edge 1RB Right	21.03	/	/	14.23	/	/	<=38.45	Pass
		Outer Full	20.91	/	/	14.11	/	/	<=38.45	Pass
		Inner Full	21.95	/	/	15.15	/	/	<=38.45	Pass
		Inner 1RB Left	21.81	/	/	15.01	/	/	<=38.45	Pass
		Inner 1RB Right	21.86	/	/	15.06	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.89	/	/	14.09	/	/	<=38.45	Pass
		Edge 1RB Right	20.78	/	/	13.98	/	/	<=38.45	Pass
		Outer Full	20.86	/	/	14.06	/	/	<=38.45	Pass
		Inner Full	21.89	/	/	15.09	/	/	<=38.45	Pass
		Inner 1RB Left	21.77	/	/	14.97	/	/	<=38.45	Pass
		Inner 1RB Right	21.93	/	/	15.13	/	/	<=38.45	Pass
	841.5	Edge 1RB Left	20.81	/	/	14.01	/	/	<=38.45	Pass
		Edge 1RB Right	20.98	/	/	14.18	/	/	<=38.45	Pass
		Outer Full	20.85	/	/	14.05	/	/	<=38.45	Pass
		Inner Full	21.89	/	/	15.09	/	/	<=38.45	Pass
		Inner 1RB Left	21.75	/	/	14.95	/	/	<=38.45	Pass
		Inner 1RB Right	21.92	/	/	15.12	/	/	<=38.45	Pass
CP-OFDM 64 QAM	831.5	Edge 1RB Left	20.23	/	/	13.43	/	/	<=38.45	Pass

		Edge_1RB_Right	20.43	/	/	13.63	/	/	<=38.45	Pass
		Outer_Full	20.35	/	/	13.55	/	/	<=38.45	Pass
		Inner_Full	20.43	/	/	13.63	/	/	<=38.45	Pass
		Inner_1RB_Left	20.28	/	/	13.48	/	/	<=38.45	Pass
		Inner_1RB_Right	20.38	/	/	13.58	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	20.18	/	/	13.38	/	/	<=38.45	Pass
		Edge_1RB_Right	20.25	/	/	13.45	/	/	<=38.45	Pass
		Outer_Full	20.35	/	/	13.55	/	/	<=38.45	Pass
		Inner_Full	20.32	/	/	13.52	/	/	<=38.45	Pass
		Inner_1RB_Left	20.09	/	/	13.29	/	/	<=38.45	Pass
	841.5	Inner_1RB_Right	20.25	/	/	13.45	/	/	<=38.45	Pass
		Edge_1RB_Left	20.23	/	/	13.43	/	/	<=38.45	Pass
		Edge_1RB_Right	20.35	/	/	13.55	/	/	<=38.45	Pass
		Outer_Full	20.31	/	/	13.51	/	/	<=38.45	Pass
		Inner_Full	20.37	/	/	13.57	/	/	<=38.45	Pass
CP-OFDM 256 QAM	831.5	Inner_1RB_Left	20.18	/	/	13.38	/	/	<=38.45	Pass
		Inner_1RB_Right	20.33	/	/	13.53	/	/	<=38.45	Pass
		Edge_1RB_Left	17.51	/	/	10.71	/	/	<=38.45	Pass
		Edge_1RB_Right	17.49	/	/	10.69	/	/	<=38.45	Pass
		Outer_Full	17.33	/	/	10.53	/	/	<=38.45	Pass
	836.5	Inner_Full	17.34	/	/	10.54	/	/	<=38.45	Pass
		Inner_1RB_Left	17.24	/	/	10.44	/	/	<=38.45	Pass
		Inner_1RB_Right	17.40	/	/	10.60	/	/	<=38.45	Pass
		Edge_1RB_Left	17.61	/	/	10.81	/	/	<=38.45	Pass
		Edge_1RB_Right	17.51	/	/	10.71	/	/	<=38.45	Pass
	841.5	Outer_Full	17.36	/	/	10.56	/	/	<=38.45	Pass
		Inner_Full	17.26	/	/	10.46	/	/	<=38.45	Pass
		Inner_1RB_Left	17.60	/	/	10.80	/	/	<=38.45	Pass
		Inner_1RB_Right	17.64	/	/	10.84	/	/	<=38.45	Pass
		Edge_1RB_Left	17.40	/	/	10.60	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -4.65dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.7 30k_SISO_20MHz_NTNV_ERP

5G NR n5 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Edge_1RB_Left	22.64	/	/	15.84	/	/	<=38.45	Pass
		Edge_1RB_Right	22.67	/	/	15.87	/	/	<=38.45	Pass
		Outer_Full	22.74	/	/	15.94	/	/	<=38.45	Pass
		Inner_Full	24.02	/	/	17.22	/	/	<=38.45	Pass
		Inner_1RB_Left	23.43	/	/	16.63	/	/	<=38.45	Pass
		Inner_1RB_Right	23.69	/	/	16.89	/	/	<=38.45	Pass
	836.5	Edge_1RB_Left	22.46	/	/	15.66	/	/	<=38.45	Pass
		Edge_1RB_Right	22.74	/	/	15.94	/	/	<=38.45	Pass
		Outer_Full	22.85	/	/	16.05	/	/	<=38.45	Pass
		Inner_Full	23.98	/	/	17.18	/	/	<=38.45	Pass
		Inner_1RB_Left	23.59	/	/	16.79	/	/	<=38.45	Pass
	839	Inner_1RB_Right	23.62	/	/	16.82	/	/	<=38.45	Pass
		Edge_1RB_Left	22.58	/	/	15.78	/	/	<=38.45	Pass
		Edge_1RB_Right	22.69	/	/	15.89	/	/	<=38.45	Pass
		Outer_Full	22.86	/	/	16.06	/	/	<=38.45	Pass

		Inner_Full	24.01	/	/	17.21	/	/	<=38.45	Pass	
		Inner_1RB_Left	23.65	/	/	16.85	/	/	<=38.45	Pass	
		Inner_1RB_Right	23.76	/	/	16.96	/	/	<=38.45	Pass	
DFT-s-OFDM 16 QAM	834	Edge_1RB_Left	21.82	/	/	15.02	/	/	<=38.45	Pass	
		Edge_1RB_Right	22.13	/	/	15.33	/	/	<=38.45	Pass	
		Outer_Full	21.90	/	/	15.10	/	/	<=38.45	Pass	
		Inner_Full	22.94	/	/	16.14	/	/	<=38.45	Pass	
		Inner_1RB_Left	22.82	/	/	16.02	/	/	<=38.45	Pass	
		Inner_1RB_Right	23.20	/	/	16.40	/	/	<=38.45	Pass	
		836.5	Edge_1RB_Left	21.54	/	/	14.74	/	/	<=38.45	Pass
			Edge_1RB_Right	21.94	/	/	15.14	/	/	<=38.45	Pass
	Outer_Full		21.91	/	/	15.11	/	/	<=38.45	Pass	
	Inner_Full		22.97	/	/	16.17	/	/	<=38.45	Pass	
	Inner_1RB_Left		22.96	/	/	16.16	/	/	<=38.45	Pass	
	Inner_1RB_Right		22.88	/	/	16.08	/	/	<=38.45	Pass	
	839	Edge_1RB_Left	22.06	/	/	15.26	/	/	<=38.45	Pass	
		Edge_1RB_Right	21.96	/	/	15.16	/	/	<=38.45	Pass	
		Outer_Full	21.92	/	/	15.12	/	/	<=38.45	Pass	
		Inner_Full	22.93	/	/	16.13	/	/	<=38.45	Pass	
		Inner_1RB_Left	22.77	/	/	15.97	/	/	<=38.45	Pass	
		Inner_1RB_Right	22.95	/	/	16.15	/	/	<=38.45	Pass	
	DFT-s-OFDM 64 QAM	834	Edge_1RB_Left	21.02	/	/	14.22	/	/	<=38.45	Pass
			Edge_1RB_Right	21.17	/	/	14.37	/	/	<=38.45	Pass
Outer_Full			21.35	/	/	14.55	/	/	<=38.45	Pass	
Inner_Full			21.36	/	/	14.56	/	/	<=38.45	Pass	
Inner_1RB_Left			20.94	/	/	14.14	/	/	<=38.45	Pass	
Inner_1RB_Right			21.13	/	/	14.33	/	/	<=38.45	Pass	
836.5		Edge_1RB_Left	20.98	/	/	14.18	/	/	<=38.45	Pass	
		Edge_1RB_Right	21.16	/	/	14.36	/	/	<=38.45	Pass	
		Outer_Full	21.30	/	/	14.50	/	/	<=38.45	Pass	
		Inner_Full	21.44	/	/	14.64	/	/	<=38.45	Pass	
		Inner_1RB_Left	20.97	/	/	14.17	/	/	<=38.45	Pass	
		Inner_1RB_Right	21.20	/	/	14.40	/	/	<=38.45	Pass	
839		Edge_1RB_Left	21.01	/	/	14.21	/	/	<=38.45	Pass	
		Edge_1RB_Right	21.27	/	/	14.47	/	/	<=38.45	Pass	
		Outer_Full	21.34	/	/	14.54	/	/	<=38.45	Pass	
		Inner_Full	21.45	/	/	14.65	/	/	<=38.45	Pass	
		Inner_1RB_Left	21.02	/	/	14.22	/	/	<=38.45	Pass	
		Inner_1RB_Right	21.24	/	/	14.44	/	/	<=38.45	Pass	
DFT-s-OFDM 256 QAM	834	Edge_1RB_Left	19.13	/	/	12.33	/	/	<=38.45	Pass	
		Edge_1RB_Right	19.41	/	/	12.61	/	/	<=38.45	Pass	
		Outer_Full	19.39	/	/	12.59	/	/	<=38.45	Pass	
		Inner_Full	19.31	/	/	12.51	/	/	<=38.45	Pass	
		Inner_1RB_Left	19.17	/	/	12.37	/	/	<=38.45	Pass	
		Inner_1RB_Right	19.49	/	/	12.69	/	/	<=38.45	Pass	
	836.5	Edge_1RB_Left	19.04	/	/	12.24	/	/	<=38.45	Pass	
		Edge_1RB_Right	19.39	/	/	12.59	/	/	<=38.45	Pass	
		Outer_Full	19.35	/	/	12.55	/	/	<=38.45	Pass	
		Inner_Full	19.40	/	/	12.60	/	/	<=38.45	Pass	
		Inner_1RB_Left	19.07	/	/	12.27	/	/	<=38.45	Pass	
		Inner_1RB_Right	19.19	/	/	12.39	/	/	<=38.45	Pass	
	839	Edge_1RB_Left	19.26	/	/	12.46	/	/	<=38.45	Pass	
		Edge_1RB_Right	19.27	/	/	12.47	/	/	<=38.45	Pass	
		Outer_Full	19.31	/	/	12.51	/	/	<=38.45	Pass	
Inner_Full		19.39	/	/	12.59	/	/	<=38.45	Pass		
Inner_1RB_Left		19.26	/	/	12.46	/	/	<=38.45	Pass		
CP-OFDM QPSK	834	Edge_1RB_Left	20.62	/	/	13.82	/	/	<=38.45	Pass	
		Edge_1RB_Right	20.72	/	/	13.92	/	/	<=38.45	Pass	

		Outer Full	20.80	/	/	14.00	/	/	<=38.45	Pass
		Inner Full	22.37	/	/	15.57	/	/	<=38.45	Pass
		Inner 1RB Left	22.05	/	/	15.25	/	/	<=38.45	Pass
		Inner 1RB Right	22.25	/	/	15.45	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	20.65	/	/	13.85	/	/	<=38.45	Pass
		Edge 1RB Right	20.72	/	/	13.92	/	/	<=38.45	Pass
		Outer Full	20.77	/	/	13.97	/	/	<=38.45	Pass
		Inner Full	22.42	/	/	15.62	/	/	<=38.45	Pass
	839	Inner 1RB Left	22.03	/	/	15.23	/	/	<=38.45	Pass
		Inner 1RB Right	22.22	/	/	15.42	/	/	<=38.45	Pass
		Edge 1RB Left	20.58	/	/	13.78	/	/	<=38.45	Pass
		Edge 1RB Right	20.74	/	/	13.94	/	/	<=38.45	Pass
CP-OFDM 16 QAM	834	Outer Full	20.77	/	/	13.97	/	/	<=38.45	Pass
		Inner Full	22.42	/	/	15.62	/	/	<=38.45	Pass
		Inner 1RB Left	22.11	/	/	15.31	/	/	<=38.45	Pass
		Inner 1RB Right	22.14	/	/	15.34	/	/	<=38.45	Pass
		Edge 1RB Left	20.94	/	/	14.14	/	/	<=38.45	Pass
		Edge 1RB Right	20.81	/	/	14.01	/	/	<=38.45	Pass
	836.5	Outer Full	20.92	/	/	14.12	/	/	<=38.45	Pass
		Inner Full	21.94	/	/	15.14	/	/	<=38.45	Pass
		Inner 1RB Left	21.78	/	/	14.98	/	/	<=38.45	Pass
		Inner 1RB Right	21.78	/	/	14.98	/	/	<=38.45	Pass
		Edge 1RB Left	20.72	/	/	13.92	/	/	<=38.45	Pass
		Edge 1RB Right	20.78	/	/	13.98	/	/	<=38.45	Pass
	839	Outer Full	20.85	/	/	14.05	/	/	<=38.45	Pass
		Inner Full	21.87	/	/	15.07	/	/	<=38.45	Pass
		Inner 1RB Left	21.53	/	/	14.73	/	/	<=38.45	Pass
		Inner 1RB Right	21.65	/	/	14.85	/	/	<=38.45	Pass
		Edge 1RB Left	20.80	/	/	14.00	/	/	<=38.45	Pass
		Edge 1RB Right	20.92	/	/	14.12	/	/	<=38.45	Pass
CP-OFDM 64 QAM	834	Outer Full	20.90	/	/	14.10	/	/	<=38.45	Pass
		Inner Full	21.90	/	/	15.10	/	/	<=38.45	Pass
		Inner 1RB Left	21.53	/	/	14.73	/	/	<=38.45	Pass
		Inner 1RB Right	21.75	/	/	14.95	/	/	<=38.45	Pass
		Edge 1RB Left	20.09	/	/	13.29	/	/	<=38.45	Pass
		Edge 1RB Right	20.21	/	/	13.41	/	/	<=38.45	Pass
	836.5	Outer Full	20.36	/	/	13.56	/	/	<=38.45	Pass
		Inner Full	20.39	/	/	13.59	/	/	<=38.45	Pass
		Inner 1RB Left	20.08	/	/	13.28	/	/	<=38.45	Pass
		Inner 1RB Right	20.17	/	/	13.37	/	/	<=38.45	Pass
		Edge 1RB Left	20.12	/	/	13.32	/	/	<=38.45	Pass
		Edge 1RB Right	20.21	/	/	13.41	/	/	<=38.45	Pass
	839	Outer Full	20.37	/	/	13.57	/	/	<=38.45	Pass
		Inner Full	20.34	/	/	13.54	/	/	<=38.45	Pass
		Inner 1RB Left	20.06	/	/	13.26	/	/	<=38.45	Pass
		Inner 1RB Right	20.18	/	/	13.38	/	/	<=38.45	Pass
		Edge 1RB Left	20.18	/	/	13.38	/	/	<=38.45	Pass
		Edge 1RB Right	20.27	/	/	13.47	/	/	<=38.45	Pass
CP-OFDM 256 QAM	834	Outer Full	20.32	/	/	13.52	/	/	<=38.45	Pass
		Inner Full	20.39	/	/	13.59	/	/	<=38.45	Pass
		Inner 1RB Left	20.15	/	/	13.35	/	/	<=38.45	Pass
		Inner 1RB Right	20.22	/	/	13.42	/	/	<=38.45	Pass
		Edge 1RB Left	17.30	/	/	10.50	/	/	<=38.45	Pass
		Edge 1RB Right	17.44	/	/	10.64	/	/	<=38.45	Pass
	836.5	Outer Full	17.34	/	/	10.54	/	/	<=38.45	Pass
		Inner Full	17.22	/	/	10.42	/	/	<=38.45	Pass
	834	Inner 1RB Left	17.50	/	/	10.70	/	/	<=38.45	Pass
		Inner 1RB Right	17.65	/	/	10.85	/	/	<=38.45	Pass
		Edge 1RB Left	17.17	/	/	10.37	/	/	<=38.45	Pass
	836.5	Edge 1RB Left	17.17	/	/	10.37	/	/	<=38.45	Pass
		Edge 1RB Right	17.17	/	/	10.37	/	/	<=38.45	Pass
	839	Outer Full	17.17	/	/	10.37	/	/	<=38.45	Pass
		Inner Full	17.17	/	/	10.37	/	/	<=38.45	Pass
	839	Inner 1RB Left	17.17	/	/	10.37	/	/	<=38.45	Pass
		Inner 1RB Right	17.17	/	/	10.37	/	/	<=38.45	Pass

		Edge_1RB_Right	17.57	/	/	10.77	/	/	<=38.45	Pass
		Outer_Full	17.35	/	/	10.55	/	/	<=38.45	Pass
		Inner_Full	17.27	/	/	10.47	/	/	<=38.45	Pass
		Inner_1RB_Left	17.04	/	/	10.24	/	/	<=38.45	Pass
		Inner_1RB_Right	17.27	/	/	10.47	/	/	<=38.45	Pass
	839	Edge_1RB_Left	17.46	/	/	10.66	/	/	<=38.45	Pass
		Edge_1RB_Right	17.31	/	/	10.51	/	/	<=38.45	Pass
		Outer_Full	17.30	/	/	10.50	/	/	<=38.45	Pass
		Inner_Full	17.34	/	/	10.54	/	/	<=38.45	Pass
		Inner_1RB_Left	17.17	/	/	10.37	/	/	<=38.45	Pass
		Inner_1RB_Right	17.45	/	/	10.65	/	/	<=38.45	Pass
Note1: Antenna Gain: Ant1: -4.65dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

5G NR n5 SCS=15kHz SISO 5MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-10.90	-0.0130	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0120	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0110	>=-2.5 & <=2.5	Pass
			-10	NV	-10.00	-0.0120	>=-2.5 & <=2.5	Pass
			0	NV	-12.40	-0.0148	>=-2.5 & <=2.5	Pass
			10	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			20	NV	-11.10	-0.0133	>=-2.5 & <=2.5	Pass
			30	NV	-10.60	-0.0127	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0075	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			50	NV	-6.90	-0.0082	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-6.10	-0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.30	-0.0075	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.40	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.50	-0.0090	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.50	-0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.50	-0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.90	-0.0106	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-8.80	-0.0105	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.80	-0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-6.70	-0.0080	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-5.10	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.80	-0.0081	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.80	-0.0093	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-8.60	-0.0103	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.00	-0.0096	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.30	-0.0099	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.10	-0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-8.30	-0.0099	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.90	-0.0106	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-8.40	-0.0100	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-8.20	-0.0098	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.50	-0.0090	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-8.00	-0.0096	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.80	-0.0081	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-9.20	-0.0110	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.80	-0.0093	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.60	-0.0103	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-7.20	-0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.20	-0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.50	-0.0090	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-8.00	-0.0096	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.60	-0.0091	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.20	-0.0110	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.10	-0.0085	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.00	-0.0084	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.00	-0.0084	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-6.70	-0.0080	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.80	-0.0093	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.10	-0.0097	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.70	-0.0080	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.40	-0.0077	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.20	-0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.10	-0.0097	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.00	-0.0084	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-6.70	-0.0080	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.80	-0.0093	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.10	-0.0097	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.70	-0.0080	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.40	-0.0077	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.20	-0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.10	-0.0097	$\geq -2.5 \ \& \ \leq 2.5$	Pass

2.1.2 15k_SISO_10MHz

5G NR n5 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	836.5	Outer_Full	20	LV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			-10	NV	-9.40	-0.0112	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			-10	NV	-10.50	-0.0126	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0123	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0075	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0082	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			-30	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			0	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			20	LV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass

				HV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			20	NV	-9.20	-0.0110	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			-20	NV	-9.80	-0.0117	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-10.70	-0.0128	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			-30	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			-10	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			0	NV	-10.70	-0.0128	>=-2.5 & <=2.5	Pass
			10	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
			40	NV	-9.50	-0.0114	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass

2.1.3 15k_SISO_15MHz

5G NR n5 SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
				HV	-11.90	-0.0142	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0110	>=-2.5 & <=2.5	Pass
			-20	NV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			0	NV	-10.70	-0.0128	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			30	NV	-10.20	-0.0122	>=-2.5 & <=2.5	Pass
			40	NV	-10.70	-0.0128	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass

			30	NV	-7.70	-0.0092	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.40	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-8.90	-0.0106	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-8.80	-0.0105	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-9.10	-0.0109	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-8.60	-0.0103	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-9.90	-0.0118	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.20	-0.0110	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.30	-0.0111	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.30	-0.0111	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-9.70	-0.0116	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-9.40	-0.0112	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.70	-0.0116	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-9.30	-0.0111	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.40	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-8.60	-0.0103	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.10	-0.0085	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-8.00	-0.0096	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.50	-0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.00	-0.0096	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-6.20	-0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-9.80	-0.0117	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-9.70	-0.0116	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-10.00	-0.0120	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-9.80	-0.0117	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.20	-0.0110	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.40	-0.0112	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-10.00	-0.0120	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.70	-0.0104	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-9.20	-0.0110	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.50	-0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-8.70	-0.0104	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-7.40	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-9.00	-0.0108	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.40	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.40	-0.0077	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.00	-0.0108	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-8.50	-0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.60	-0.0091	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.60	-0.0103	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.60	-0.0103	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.50	-0.0090	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-9.10	-0.0109	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.50	-0.0090	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.30	-0.0087	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.90	-0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.40	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.40	-0.0112	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.00	-0.0084	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-9.70	-0.0116	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.70	-0.0104	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.90	-0.0118	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-8.70	-0.0104	$\geq -2.5 \ \& \ \leq 2.5$	Pass

				HV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass

2.1.4 15k_SISO_20MHz

5G NR n5 SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			-10	NV	-10.80	-0.0129	>=-2.5 & <=2.5	Pass
			0	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			-10	NV	-9.70	-0.0116	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	-7.70	-0.0092	>=-2.5 & <=2.5	Pass
				HV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0090	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0118	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0096	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0124	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0135	>=-2.5 & <=2.5	Pass

			30	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0112	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0081	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0068	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0098	>=-2.5 & <=2.5	Pass
			-30	NV	-11.10	-0.0133	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0109	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0112	>=-2.5 & <=2.5	Pass
			50	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0079	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0100	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0102	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0112	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0104	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			50	NV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0099	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0093	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0116	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			40	NV	-9.20	-0.0110	>=-2.5 & <=2.5	Pass
			50	NV	-9.50	-0.0114	>=-2.5 & <=2.5	Pass

2.1.5 30k_SISO_10MHz

5G NR n5 SCS=30kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-1.50	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0048	>=-2.5 & <=2.5	Pass

			-10	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-5.10	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.70	-0.0056	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.70	-0.0056	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	5.70	0.0068	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	6.40	0.0077	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	6.20	0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	6.90	0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	7.80	0.0093	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	6.90	0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	6.10	0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	7.30	0.0087	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	7.90	0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	6.40	0.0077	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	8.10	0.0097	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	7.40	0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	5.60	0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	7.20	0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	10.40	0.0124	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	7.30	0.0087	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	5.80	0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	6.50	0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	8.50	0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	6.50	0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	5.90	0.0071	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	7.00	0.0084	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	5.00	0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	5.00	0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.60	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	3.10	0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	6.30	0.0075	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	6.20	0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	5.90	0.0071	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	3.70	0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.60	-0.0055	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	2.10	0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.30	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	5.10	0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.40	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	3.30	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-5.10	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-13.10	-0.0157	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.10	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.10	-0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.50	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			30	NV	-3.60	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0054	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0033	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-5.30	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0069	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0074	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0067	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0082	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0077	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0082	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0085	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0066	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-4.20	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0087	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0073	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0080	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0061	>=-2.5 & <=2.5	Pass
			30	NV	-4.70	-0.0056	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			50	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass

2.1.6 30k_SISO_15MHz

5G NR n5 SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	4.60	0.0055	>=-2.5 & <=2.5	Pass
				HV	7.20	0.0086	>=-2.5 & <=2.5	Pass
			-30	NV	6.20	0.0074	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0047	>=-2.5 & <=2.5	Pass
			-10	NV	3.90	0.0047	>=-2.5 & <=2.5	Pass
			0	NV	4.00	0.0048	>=-2.5 & <=2.5	Pass
			10	NV	6.70	0.0080	>=-2.5 & <=2.5	Pass
			20	NV	5.20	0.0062	>=-2.5 & <=2.5	Pass
			30	NV	7.10	0.0085	>=-2.5 & <=2.5	Pass
			40	NV	5.60	0.0067	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	6.90	0.0082	>=-2.5 & <=2.5	Pass
				HV	10.20	0.0122	>=-2.5 & <=2.5	Pass
			-30	NV	6.20	0.0074	>=-2.5 & <=2.5	Pass
			-20	NV	6.40	0.0077	>=-2.5 & <=2.5	Pass
			-10	NV	5.20	0.0062	>=-2.5 & <=2.5	Pass
			0	NV	6.20	0.0074	>=-2.5 & <=2.5	Pass
			10	NV	8.20	0.0098	>=-2.5 & <=2.5	Pass
			20	NV	6.50	0.0078	>=-2.5 & <=2.5	Pass
			30	NV	5.80	0.0069	>=-2.5 & <=2.5	Pass
			40	NV	6.90	0.0082	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	NV	5.40	0.0065	>=-2.5 & <=2.5	Pass
				NV	5.50	0.0066	>=-2.5 & <=2.5	Pass
			-30	NV	4.70	0.0056	>=-2.5 & <=2.5	Pass
			-20	NV	5.90	0.0071	>=-2.5 & <=2.5	Pass

			-10	NV	5.70	0.0068	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	5.80	0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	4.80	0.0057	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	7.00	0.0084	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	6.20	0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	5.20	0.0062	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	5.00	0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	7.90	0.0094	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	5.50	0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	7.60	0.0091	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	6.50	0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.50	-0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	5.20	0.0062	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	7.10	0.0085	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.00	-0.0084	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	6.50	0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.80	-0.0105	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-5.20	-0.0062	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	3.30	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.80	-0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.40	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.20	-0.0062	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.10	-0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	2.90	0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.60	-0.0055	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-5.80	-0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.50	-0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.60	-0.0055	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.80	-0.0057	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.60	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	20	LV	-5.30	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.10	-0.0073	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.10	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.70	-0.0080	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.00	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	20	LV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.20	-0.0074	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.40	-0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			30	NV	-6.50	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.30	-0.0075	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.20	-0.0026	≥ -2.5 & ≤ 2.5	Pass

2.1.7 30k_SISO_20MHz

5G NR n5 SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	20	LV	-9.50	-0.0114	≥ -2.5 & ≤ 2.5	Pass
				HV	-9.00	-0.0108	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-12.80	-0.0153	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.50	-0.0137	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.10	-0.0109	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.20	-0.0122	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.80	-0.0105	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-10.30	-0.0123	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.20	-0.0122	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-10.60	-0.0127	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	20	LV	5.00	0.0060	≥ -2.5 & ≤ 2.5	Pass
				HV	5.60	0.0067	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.10	0.0097	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.80	0.0081	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.70	0.0080	≥ -2.5 & ≤ 2.5	Pass
			0	NV	7.20	0.0086	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.70	0.0068	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.90	0.0059	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.80	0.0093	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.20	0.0086	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	20	LV	8.10	0.0097	≥ -2.5 & ≤ 2.5	Pass
				HV	5.70	0.0068	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.40	0.0077	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.20	0.0074	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	7.10	0.0085	≥ -2.5 & ≤ 2.5	Pass
			0	NV	7.10	0.0085	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.40	0.0053	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.10	0.0061	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.40	0.0088	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.10	0.0085	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	20	LV	6.00	0.0072	≥ -2.5 & ≤ 2.5	Pass
				HV	8.60	0.0103	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.30	0.0075	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	7.50	0.0090	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.60	0.0055	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.90	0.0082	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.90	-0.0094	≥ -2.5 & ≤ 2.5	Pass
			20	NV	8.70	0.0104	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.50	0.0066	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.60	0.0091	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	NV	5.70	0.0068	≥ -2.5 & ≤ 2.5	Pass
				LV	-4.10	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.60	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.10	-0.0073	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	-5.30	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.60	-0.0079	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.40	-0.0077	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.10	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.80	-0.0057	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-3.70	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	836.5	Outer_Full	20	LV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-2.20	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.80	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-1.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.90	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.40	-0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.30	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	50	NV	-3.20	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-4.30	-0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.20	-0.0062	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.10	-0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.90	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.40	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.40	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.90	-0.0071	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	40	NV	-4.90	-0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-3.40	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-2.70	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.30	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.90	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.80	-0.0081	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.60	-0.0067	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-5.70	-0.0068	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-5.80	-0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.20	-0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.00	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-5.80	-0.0069	$\geq -2.5 \ \& \ \leq 2.5$	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	836.5	Outer_Full	Refer To Test Graph				Pass

CP-OFDM 16 QAM	836.5	Outer_Full	Refer To Test Graph	Pass
CP-OFDM 64 QAM	836.5	Outer_Full	Refer To Test Graph	Pass
CP-OFDM 256 QAM	836.5	Outer_Full	Refer To Test Graph	Pass

3.1.2 30k_SISO_20MHz_NTNV

5G NR n5 SCS=30kHz SISO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 256 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	836.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 16 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 64 QAM	836.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 256 QAM	836.5	Outer_Full	Refer To Test Graph				Pass

3.2 Test Graph

3.2.1 15k_SISO_20MHz_NTNV

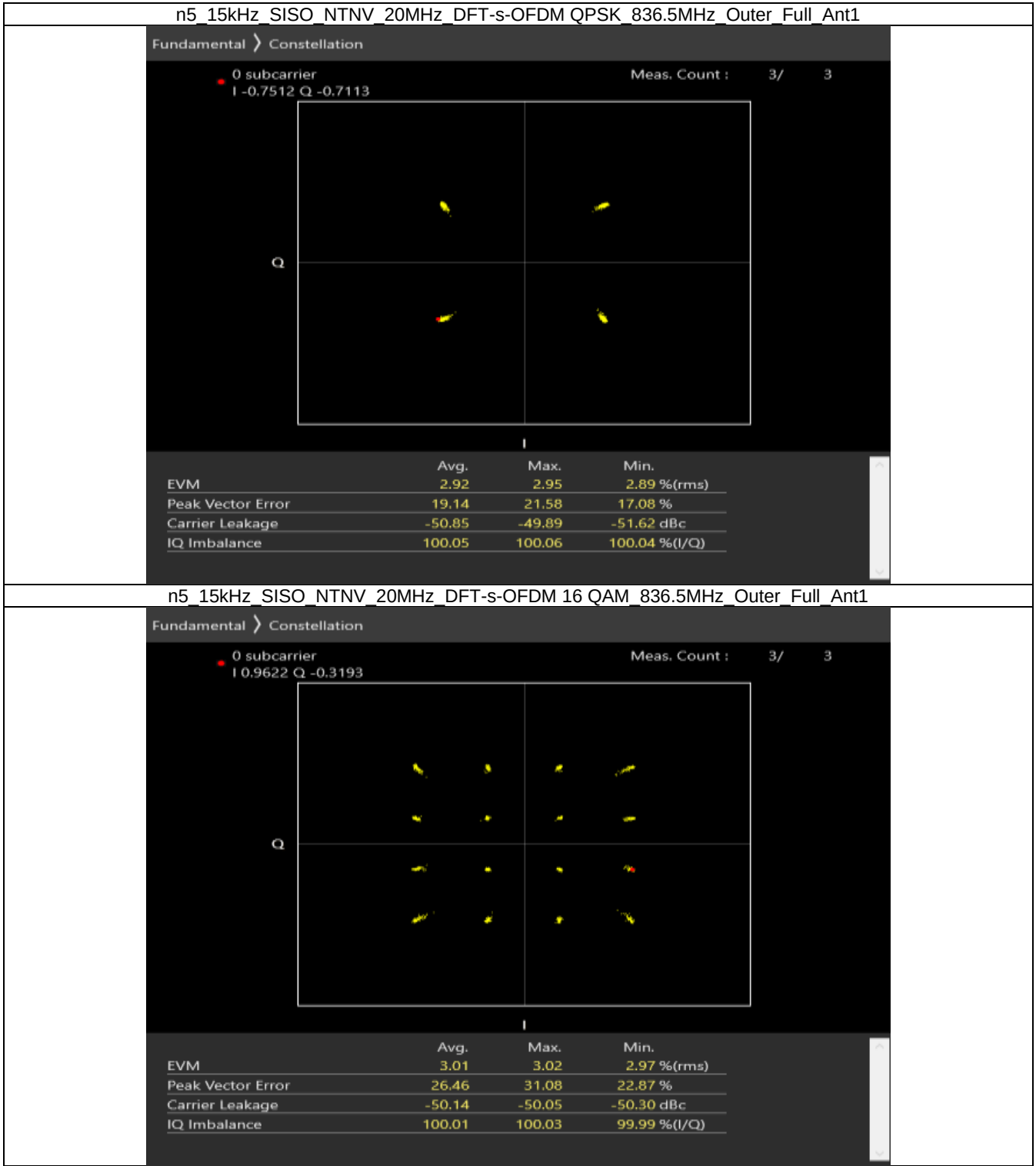


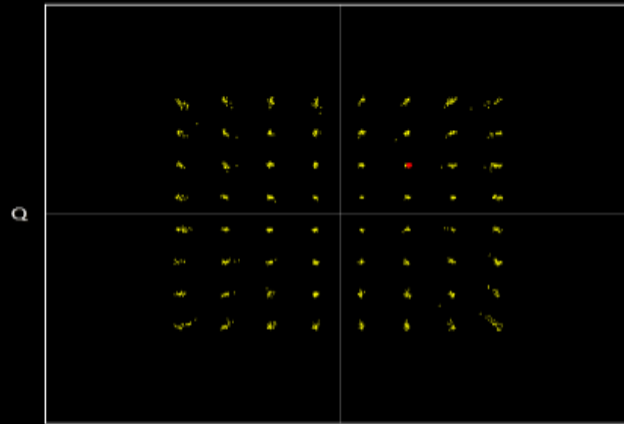
Figure 3-2: 15k_SISO_20MHz_NTNV Test Graph

n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4768 Q 0.4689

Meas. Count : 3/ 3



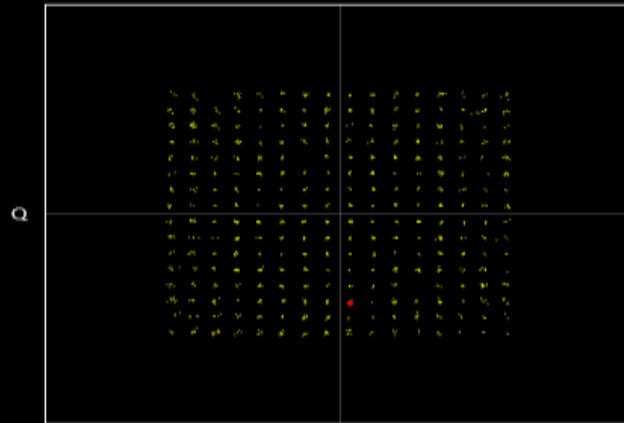
	Avg.	Max.	Min.
EVM	2.75	2.80	2.71 %(rms)
Peak Vector Error	19.14	19.83	17.99 %
Carrier Leakage	-49.95	-49.52	-50.45 dBc
IQ Imbalance	100.00	100.03	99.97 %(I/Q)

n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.0765 Q -0.8597

Meas. Count : 3/ 3



	Avg.	Max.	Min.
EVM	1.91	1.93	1.90 %(rms)
Peak Vector Error	11.29	11.90	10.77 %
Carrier Leakage	-50.11	-49.75	-50.49 dBc
IQ Imbalance	100.02	100.03	100.01 %(I/Q)

n5 15kHz SISO NTN 20MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.6688 Q -0.7016

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	4.17	4.26	4.07 %(rms)
Peak Vector Error	15.19	16.46	13.39 %
Carrier Leakage	-47.35	-46.99	-47.62 dBc
IQ Imbalance	99.89	99.89	99.89 %(I/Q)

n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.3056 Q 0.8599

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	4.13	4.26	4.03 %(rms)
Peak Vector Error	14.03	15.44	12.32 %
Carrier Leakage	-46.06	-45.31	-46.84 dBc
IQ Imbalance	100.04	100.05	100.01 %(I/Q)

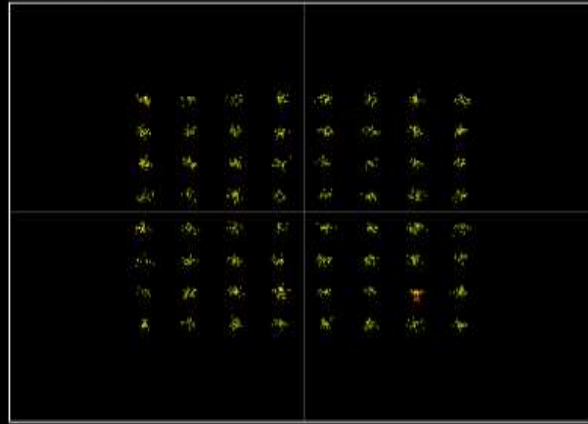
n5 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.7764 Q -0.8354

Meas. Count : 3/ 3

Q



	Avg.	Max.	Min.
EVM	3.79	3.82	3.78 %(rms)
Peak Vector Error	13.35	13.94	12.65 %
Carrier Leakage	-48.62	-47.93	-49.22 dBc
IQ Imbalance	99.88	99.91	99.86 %(I/Q)

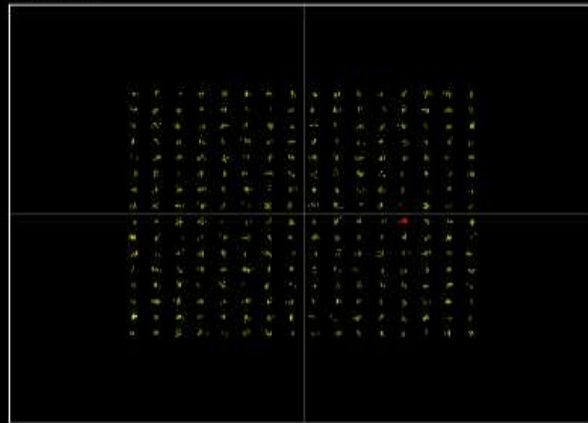
n5 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.6979 Q -0.0666

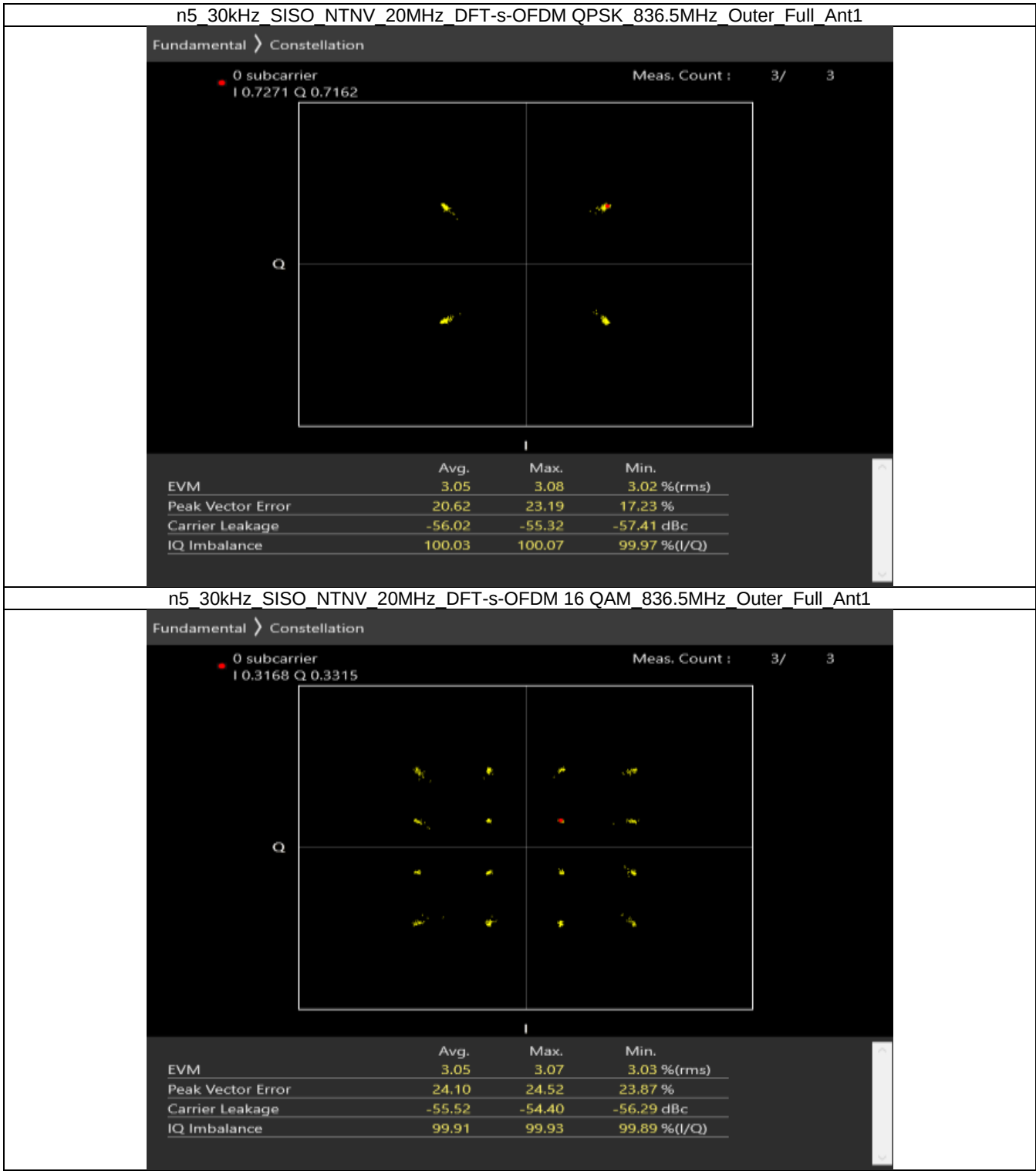
Meas. Count : 3/ 3

Q



	Avg.	Max.	Min.
EVM	1.84	1.87	1.82 %(rms)
Peak Vector Error	6.34	6.91	5.95 %
Carrier Leakage	-47.92	-47.44	-48.83 dBc
IQ Imbalance	99.96	99.98	99.95 %(I/Q)

3.2.2 30k_SISO_20MHz_NTNV



n5 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I -0.1540 Q 1.0155

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	2.67	2.77	2.59 %(rms)
Peak Vector Error	19.51	19.88	19.25 %
Carrier Leakage	-55.82	-54.08	-60.15 dBc
IQ Imbalance	100.04	100.08	100.01 %(I/Q)

n5 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I -0.0952 Q -0.8473

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	1.87	1.89	1.85 %(rms)
Peak Vector Error	11.21	11.97	10.73 %
Carrier Leakage	-57.18	-55.56	-58.80 dBc
IQ Imbalance	99.96	99.98	99.93 %(I/Q)

n5 30kHz SISO NTN 20MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.7325 Q 0.7085

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	3.87	4.00	3.79 %(rms)
Peak Vector Error	11.73	12.03	11.35 %
Carrier Leakage	-54.88	-52.71	-57.22 dBc
IQ Imbalance	100.03	100.08	99.99 %(I/Q)

n5 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.3375 Q 0.3368

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	4.03	4.11	3.97 %(rms)
Peak Vector Error	12.28	12.67	11.95 %
Carrier Leakage	-56.90	-53.58	-69.49 dBc
IQ Imbalance	100.06	100.10	99.99 %(I/Q)

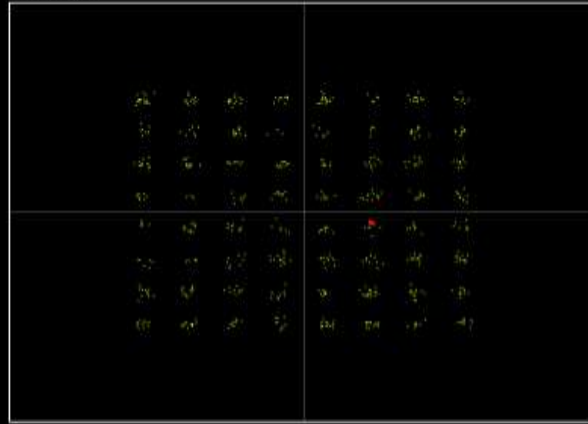
n5 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4694 Q -0.1071

Meas. Count : 3/ 3

Q



	Avg.	Max.	Min.
EVM	3.64	3.66	3.62 %(rms)
Peak Vector Error	12.03	12.74	11.14 %
Carrier Leakage	-56.60	-55.27	-60.13 dBc
IQ Imbalance	100.11	100.16	100.04 %(I/Q)

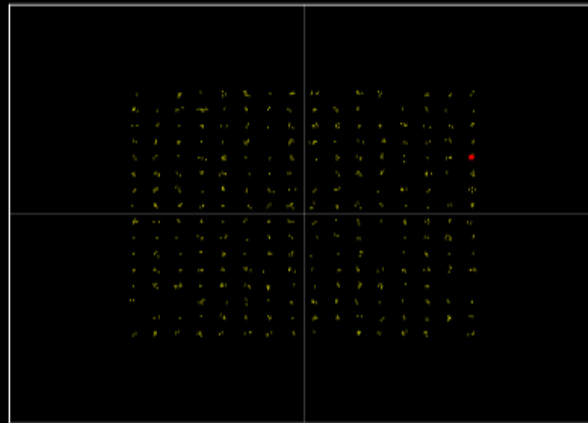
n5 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 1.1430 Q 0.5375

Meas. Count : 3/ 3

Q



	Avg.	Max.	Min.
EVM	1.87	1.89	1.85 %(rms)
Peak Vector Error	6.42	6.85	5.92 %
Carrier Leakage	-57.35	-55.97	-59.18 dBc
IQ Imbalance	99.92	99.95	99.89 %(I/Q)

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	826.5	Outer_Full	4.55	5.00	/	Pass
	836.5	Outer_Full	4.54	5.06	/	Pass
	846.5	Outer_Full	4.54	4.96	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.57	5.02	/	Pass
	836.5	Outer_Full	4.54	5.00	/	Pass
	846.5	Outer_Full	4.53	5.00	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.54	4.97	/	Pass
	836.5	Outer_Full	4.54	5.01	/	Pass
	846.5	Outer_Full	4.53	5.07	/	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	4.56	5.05	/	Pass
	836.5	Outer_Full	4.55	5.01	/	Pass
	846.5	Outer_Full	4.55	5.08	/	Pass
CP-OFDM QPSK	826.5	Outer_Full	4.54	5.42	/	Pass
	836.5	Outer_Full	4.55	5.91	/	Pass
	846.5	Outer_Full	4.53	5.23	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.54	5.09	/	Pass
	836.5	Outer_Full	4.56	6.00	/	Pass
	846.5	Outer_Full	4.55	5.71	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.54	5.03	/	Pass
	836.5	Outer_Full	4.54	5.35	/	Pass
	846.5	Outer_Full	4.51	5.11	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.53	5.03	/	Pass
	836.5	Outer_Full	4.53	5.03	/	Pass
	846.5	Outer_Full	4.52	5.03	/	Pass

4.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	829	Outer_Full	9.05	9.90	/	Pass
	836.5	Outer_Full	9.06	9.94	/	Pass
	844	Outer_Full	9.03	9.91	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.05	9.94	/	Pass
	836.5	Outer_Full	9.08	9.97	/	Pass
	844	Outer_Full	9.01	9.81	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	9.07	9.87	/	Pass
	836.5	Outer_Full	9.05	9.86	/	Pass
	844	Outer_Full	9.09	9.90	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.01	9.81	/	Pass
	836.5	Outer_Full	9.04	9.97	/	Pass
	844	Outer_Full	9.00	9.88	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.41	10.79	/	Pass
	836.5	Outer_Full	9.44	12.03	/	Pass
	844	Outer_Full	9.36	10.75	/	Pass

CP-OFDM 16 QAM	829	Outer_Full	9.38	10.15	/	Pass
	836.5	Outer_Full	9.43	12.11	/	Pass
	844	Outer_Full	9.36	11.81	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.41	10.28	/	Pass
	836.5	Outer_Full	9.39	10.40	/	Pass
	844	Outer_Full	9.38	10.47	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.37	10.27	/	Pass
	836.5	Outer_Full	9.39	10.15	/	Pass
	844	Outer_Full	9.34	10.15	/	Pass

4.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	831.5	Outer_Full	13.52	14.64	/	Pass
	836.5	Outer_Full	13.56	14.66	/	Pass
	841.5	Outer_Full	13.65	14.69	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.56	14.75	/	Pass
	836.5	Outer_Full	13.51	14.69	/	Pass
	841.5	Outer_Full	13.59	14.73	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.52	14.71	/	Pass
	836.5	Outer_Full	13.54	14.63	/	Pass
	841.5	Outer_Full	13.54	14.72	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.56	14.68	/	Pass
	836.5	Outer_Full	13.57	14.59	/	Pass
	841.5	Outer_Full	13.60	14.65	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.24	16.05	/	Pass
	836.5	Outer_Full	14.32	17.60	/	Pass
	841.5	Outer_Full	14.28	17.72	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.31	16.25	/	Pass
	836.5	Outer_Full	14.29	16.35	/	Pass
	841.5	Outer_Full	14.24	17.57	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.24	17.75	/	Pass
	836.5	Outer_Full	14.28	17.24	/	Pass
	841.5	Outer_Full	14.31	17.03	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.20	15.33	/	Pass
	836.5	Outer_Full	14.25	15.33	/	Pass
	841.5	Outer_Full	14.25	15.35	/	Pass

4.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	834	Outer_Full	18.01	19.70	/	Pass
	836.5	Outer_Full	18.05	19.64	/	Pass
	839	Outer_Full	18.07	19.58	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.01	19.83	/	Pass
	836.5	Outer_Full	18.15	19.71	/	Pass
	839	Outer_Full	18.01	19.69	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.02	19.65	/	Pass
	836.5	Outer_Full	18.12	19.68	/	Pass
	839	Outer_Full	18.13	19.83	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.06	19.66	/	Pass
	836.5	Outer_Full	18.01	19.65	/	Pass

	839	Outer_Full	18.04	19.91	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.14	21.95	/	Pass
	836.5	Outer_Full	19.11	23.76	/	Pass
	839	Outer_Full	19.11	22.54	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.12	20.96	/	Pass
	836.5	Outer_Full	19.10	22.37	/	Pass
	839	Outer_Full	19.11	22.23	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.09	22.76	/	Pass
	836.5	Outer_Full	19.04	20.57	/	Pass
	839	Outer_Full	19.16	21.63	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.05	20.60	/	Pass
	836.5	Outer_Full	19.04	20.65	/	Pass
	839	Outer_Full	19.03	20.67	/	Pass

4.1.5 30k_SISO_10MHz_NTNV

5G NR n5 SCS=30kHz SISO 10MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	829	Outer_Full	8.87	9.63	/	Pass
	836.5	Outer_Full	8.66	9.78	/	Pass
	844	Outer_Full	8.70	9.76	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	8.84	9.60	/	Pass
	836.5	Outer_Full	8.68	9.72	/	Pass
	844	Outer_Full	8.69	9.67	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	8.87	9.50	/	Pass
	836.5	Outer_Full	8.74	9.79	/	Pass
	844	Outer_Full	8.74	9.82	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	8.85	9.56	/	Pass
	836.5	Outer_Full	8.66	9.78	/	Pass
	844	Outer_Full	8.67	9.83	/	Pass
CP-OFDM QPSK	829	Outer_Full	8.95	9.58	/	Pass
	836.5	Outer_Full	8.75	12.96	/	Pass
	844	Outer_Full	8.72	9.94	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	8.88	9.59	/	Pass
	836.5	Outer_Full	8.76	11.55	/	Pass
	844	Outer_Full	8.73	10.94	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	8.90	9.51	/	Pass
	836.5	Outer_Full	8.75	11.55	/	Pass
	844	Outer_Full	8.75	9.87	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	8.86	9.42	/	Pass
	836.5	Outer_Full	8.67	9.72	/	Pass
	844	Outer_Full	8.69	9.80	/	Pass

4.1.6 30k_SISO_15MHz_NTNV

5G NR n5 SCS=30kHz SISO 15MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	831.5	Outer_Full	13.32	14.35	/	Pass
	836.5	Outer_Full	13.07	14.62	/	Pass
	841.5	Outer_Full	13.33	14.25	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.31	14.28	/	Pass
	836.5	Outer_Full	13.11	14.60	/	Pass
	841.5	Outer_Full	13.10	14.71	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.29	14.29	/	Pass

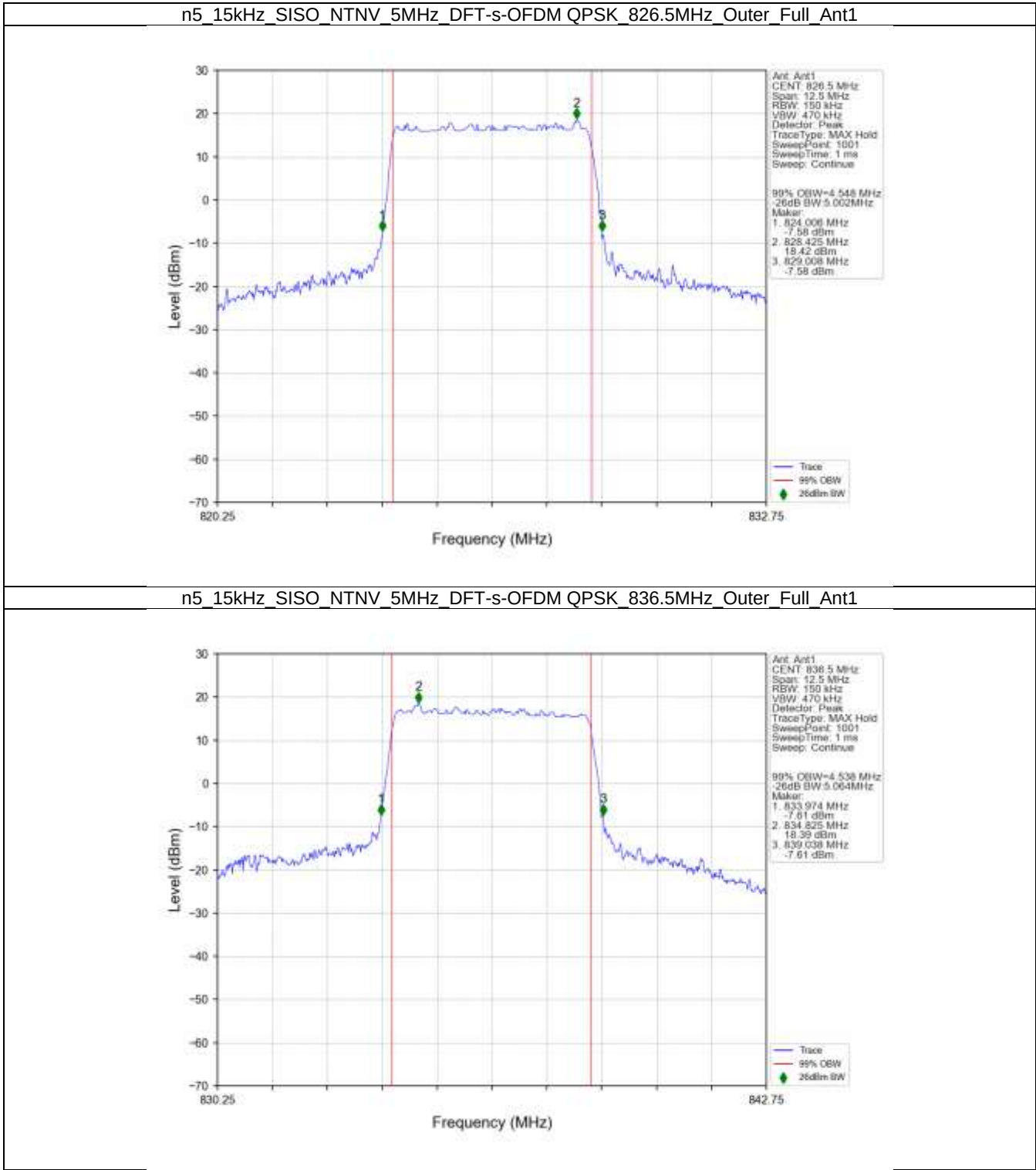
DFT-s-OFDM 256 QAM	836.5	Outer_Full	13.05	14.58	/	Pass
	841.5	Outer_Full	13.06	14.61	/	Pass
	831.5	Outer_Full	13.28	14.23	/	Pass
	836.5	Outer_Full	13.04	14.37	/	Pass
	841.5	Outer_Full	13.06	14.54	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	13.99	14.93	/	Pass
	836.5	Outer_Full	13.78	17.75	/	Pass
	841.5	Outer_Full	13.77	17.95	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.01	14.95	/	Pass
	836.5	Outer_Full	13.81	18.58	/	Pass
	841.5	Outer_Full	13.78	16.39	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.03	14.87	/	Pass
	836.5	Outer_Full	13.73	16.41	/	Pass
	841.5	Outer_Full	13.73	15.54	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	13.98	14.79	/	Pass
	836.5	Outer_Full	13.77	15.02	/	Pass
	841.5	Outer_Full	13.73	15.05	/	Pass

4.1.7 30k_SISO_20MHz_NTNV

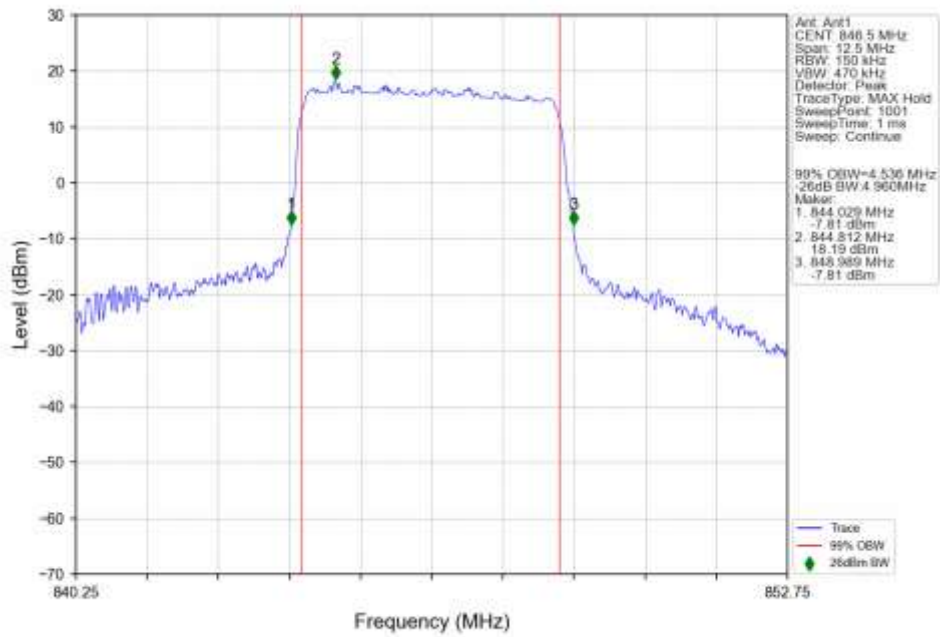
5G NR n5 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	834	Outer_Full	18.34	19.56	/	Pass
	836.5	Outer_Full	18.20	19.84	/	Pass
	839	Outer_Full	18.08	19.92	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.38	19.47	/	Pass
	836.5	Outer_Full	18.04	19.75	/	Pass
	839	Outer_Full	17.98	19.77	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.39	19.48	/	Pass
	836.5	Outer_Full	18.11	20.08	/	Pass
	839	Outer_Full	18.09	19.93	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.43	19.42	/	Pass
	836.5	Outer_Full	18.02	19.75	/	Pass
	839	Outer_Full	17.98	19.78	/	Pass
CP-OFDM QPSK	834	Outer_Full	18.79	19.85	/	Pass
	836.5	Outer_Full	18.45	22.41	/	Pass
	839	Outer_Full	18.40	22.03	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	18.73	19.96	/	Pass
	836.5	Outer_Full	18.45	25.54	/	Pass
	839	Outer_Full	18.41	24.75	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	18.75	19.71	/	Pass
	836.5	Outer_Full	18.52	20.43	/	Pass
	839	Outer_Full	18.42	20.79	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	18.73	19.70	/	Pass
	836.5	Outer_Full	18.35	20.11	/	Pass
	839	Outer_Full	18.33	20.09	/	Pass

4.2 Test Graph

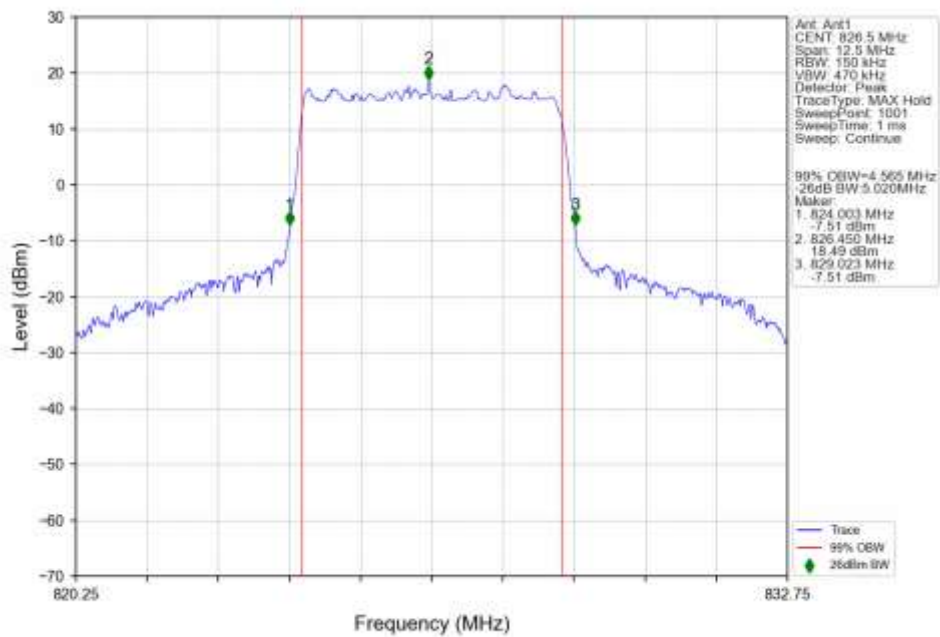
4.2.1 15k_SISO_5MHz_NTNV



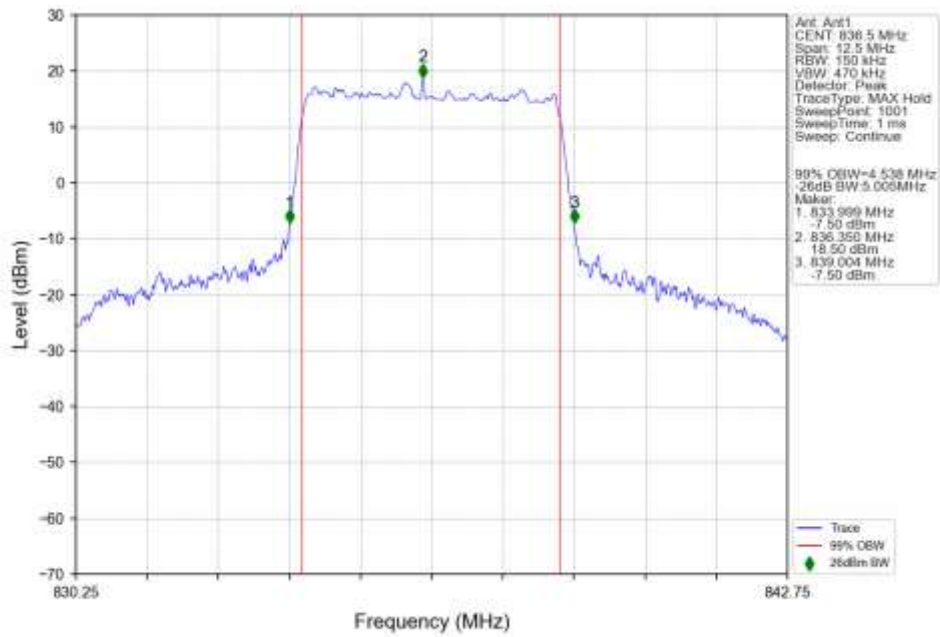
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_846.5MHz_Outer_Full_Ant1



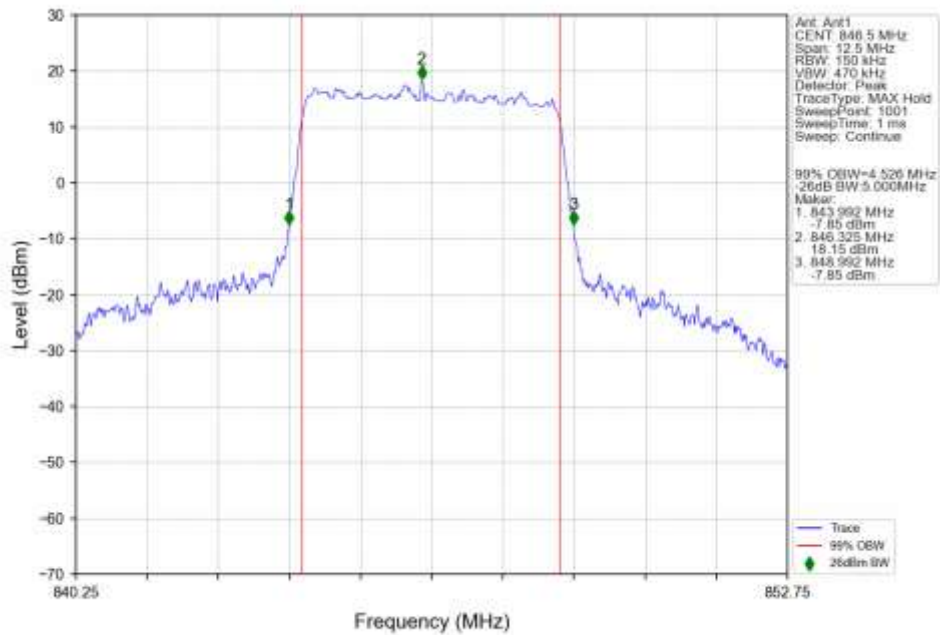
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16QAM_826.5MHz_Outer_Full_Ant1



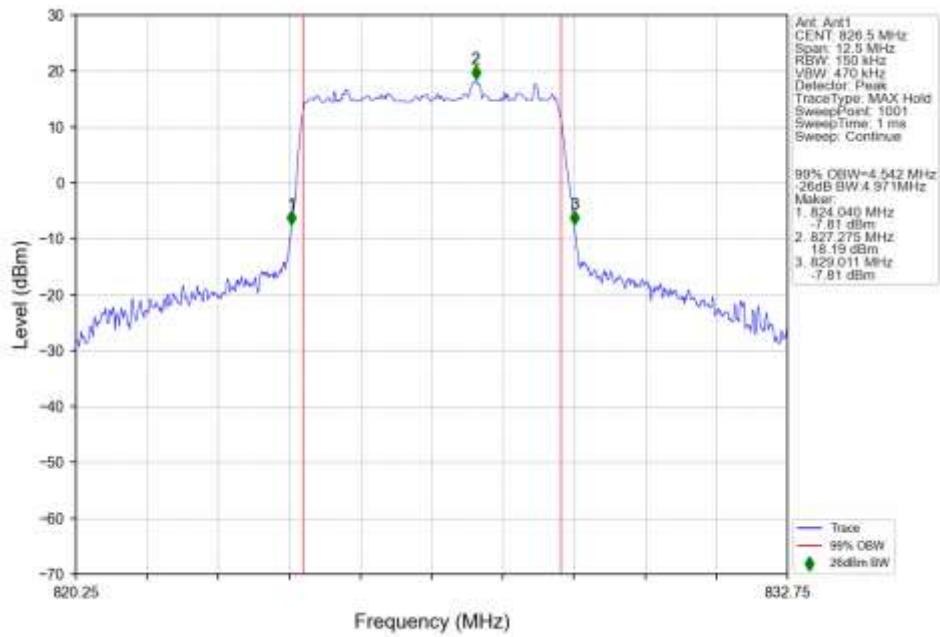
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



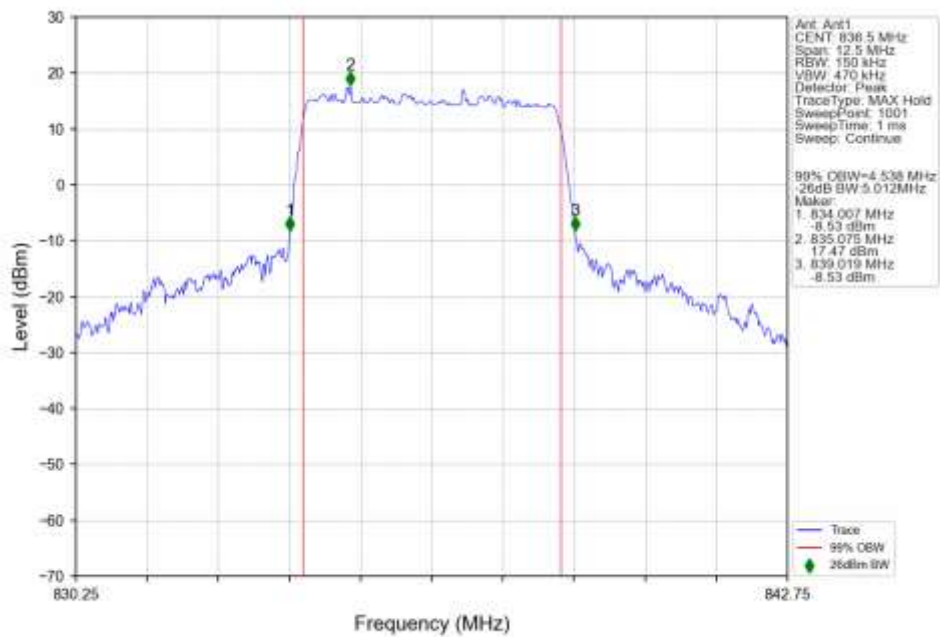
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



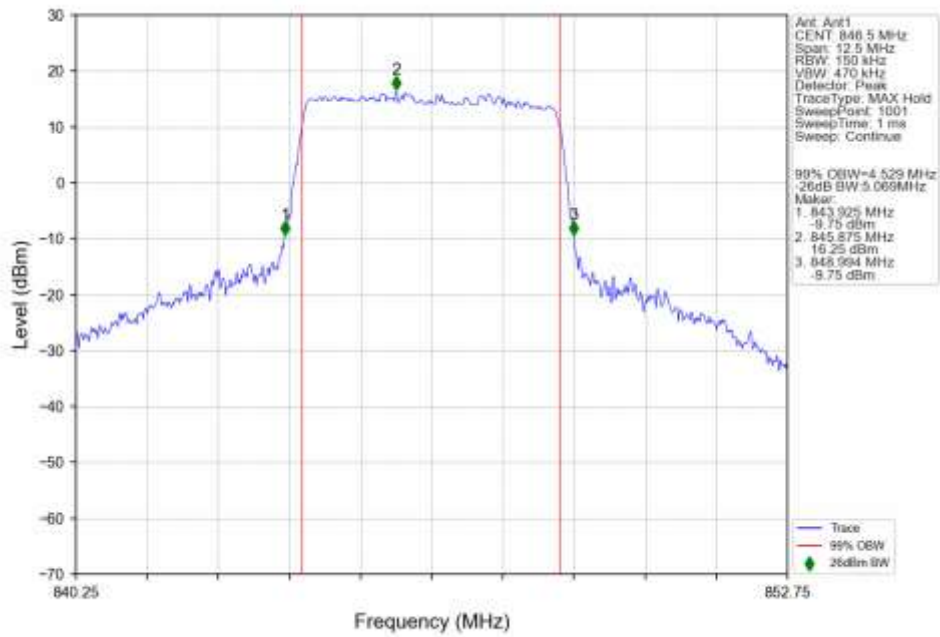
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



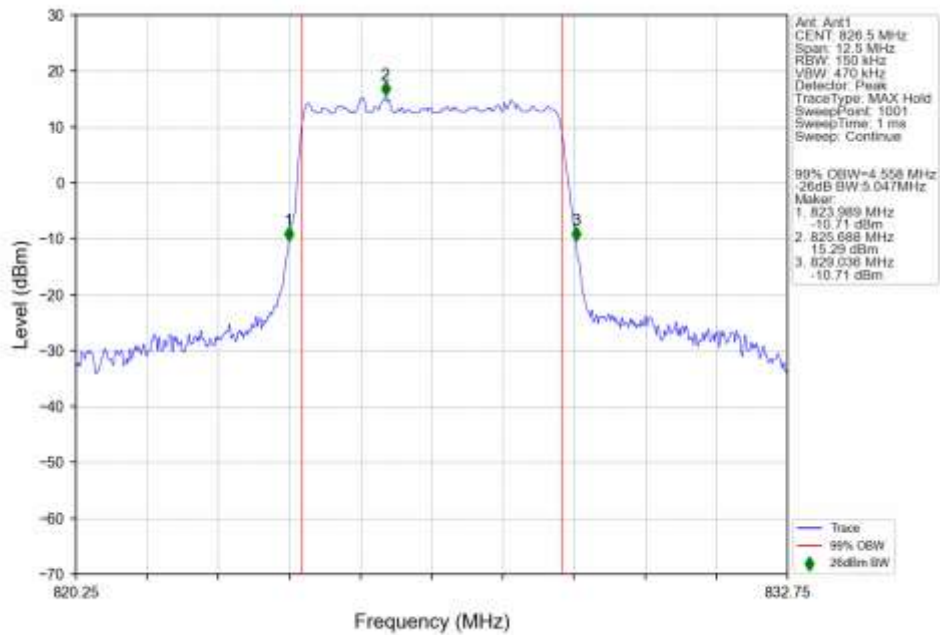
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



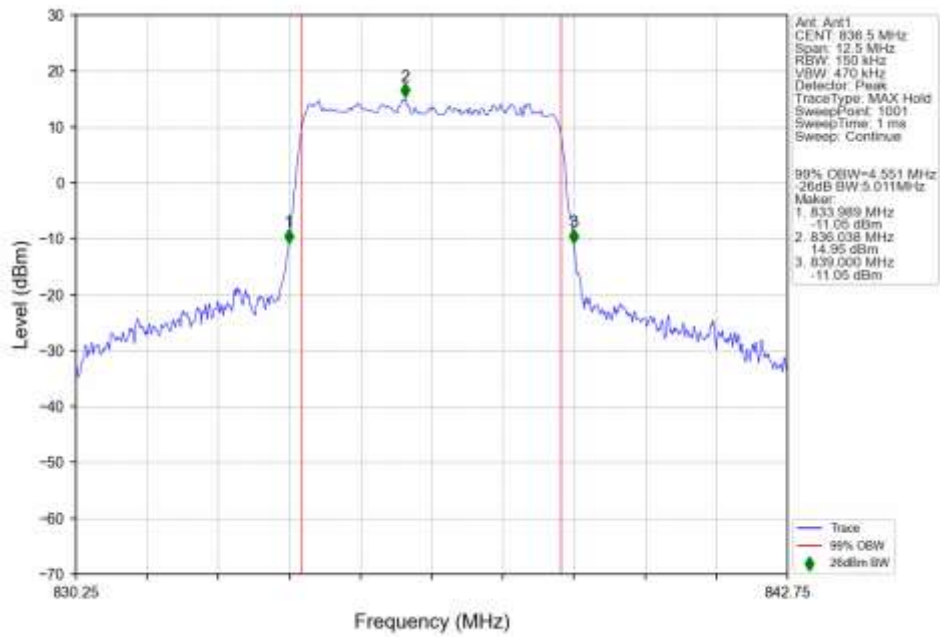
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_846.5MHz_Outer_Full_Ant1



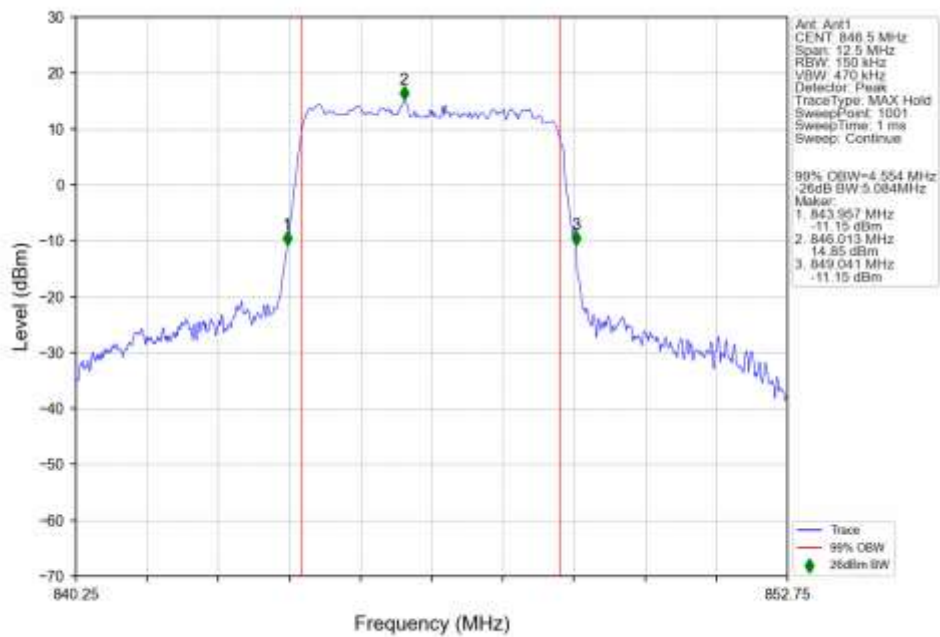
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_826.5MHz_Outer_Full_Ant1



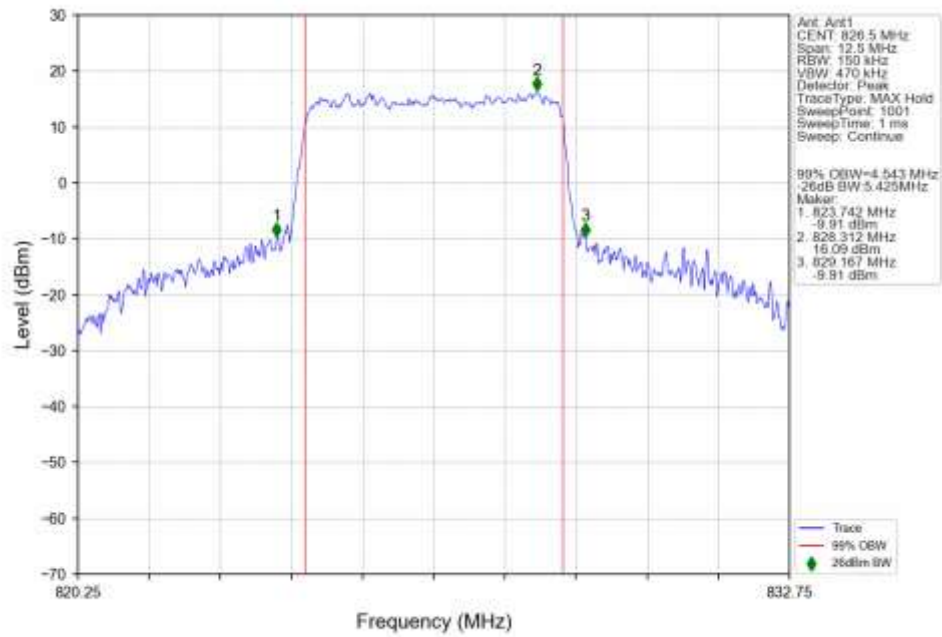
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



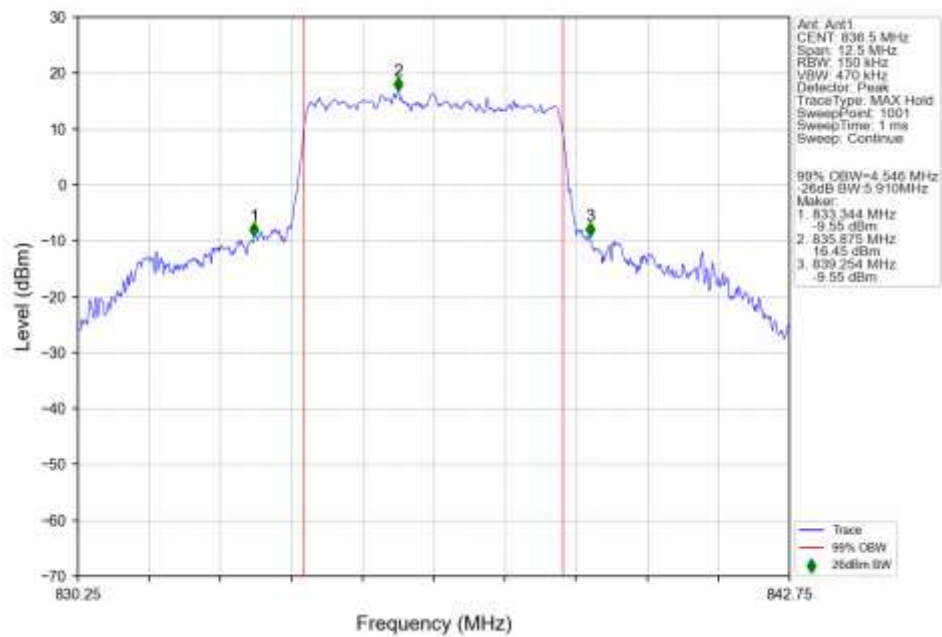
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 846.5MHz Outer Full Ant1



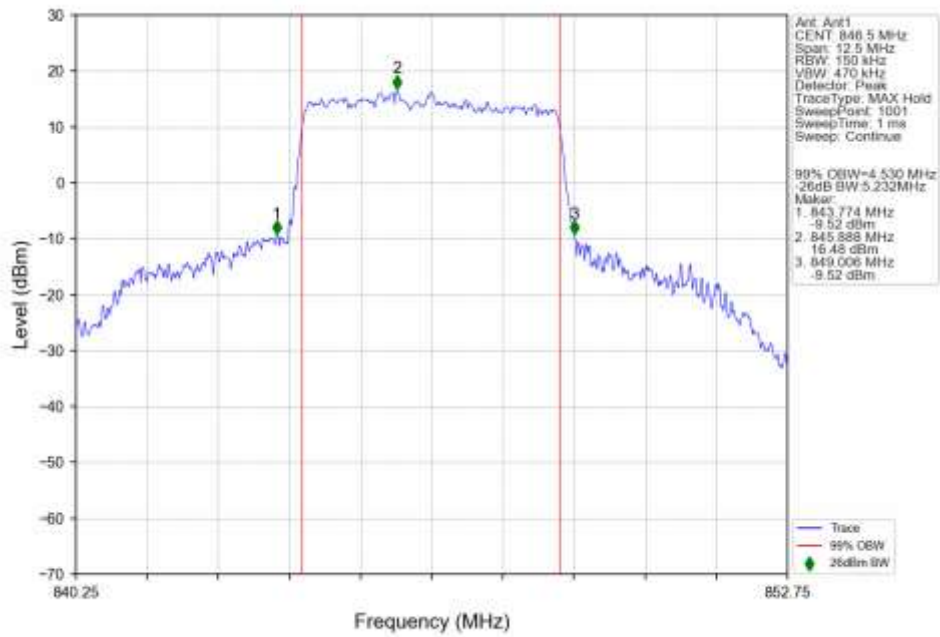
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 826.5MHz Outer Full Ant1



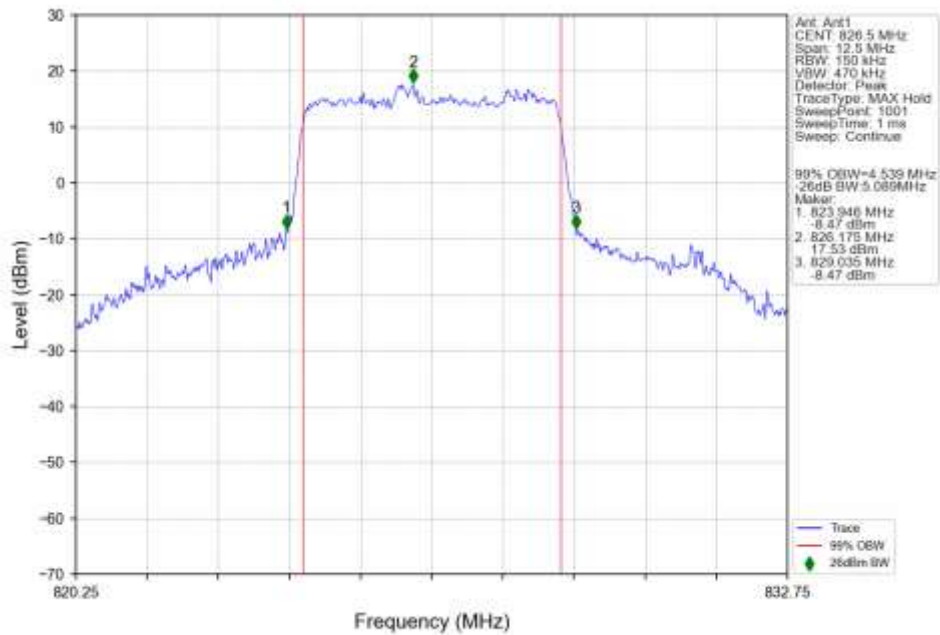
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1



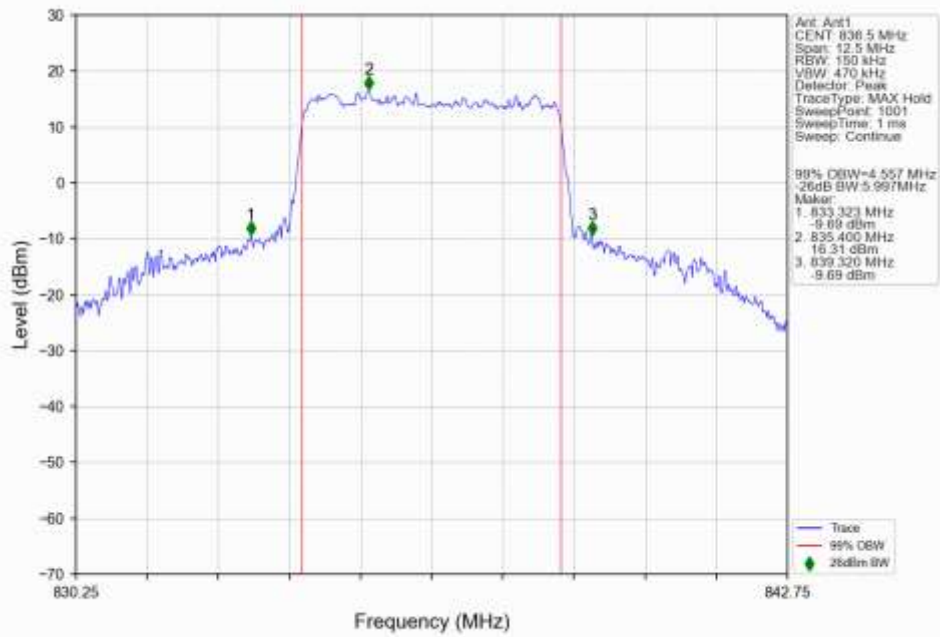
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_846.5MHz_Outer_Full_Ant1



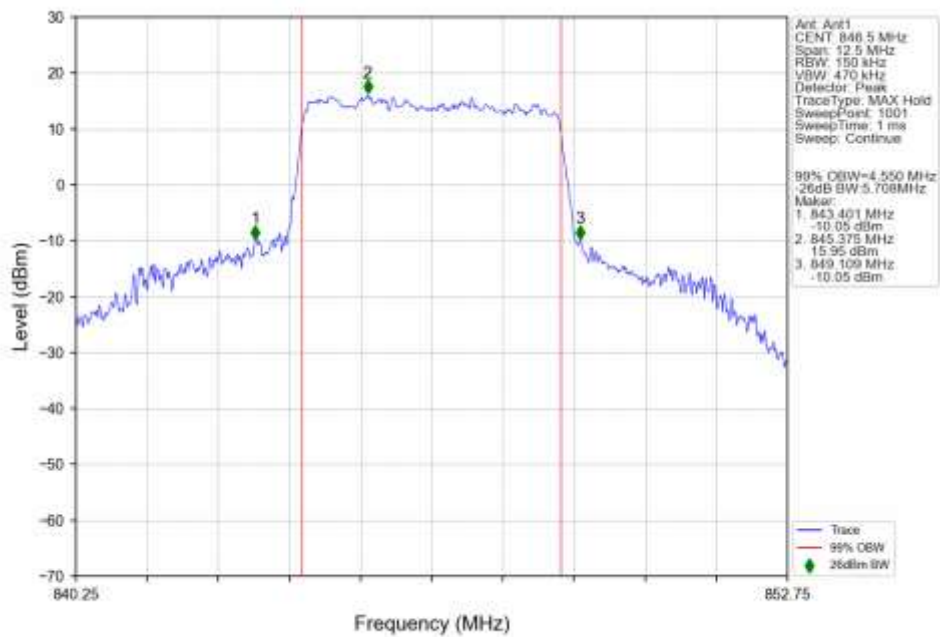
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_826.5MHz_Outer_Full_Ant1



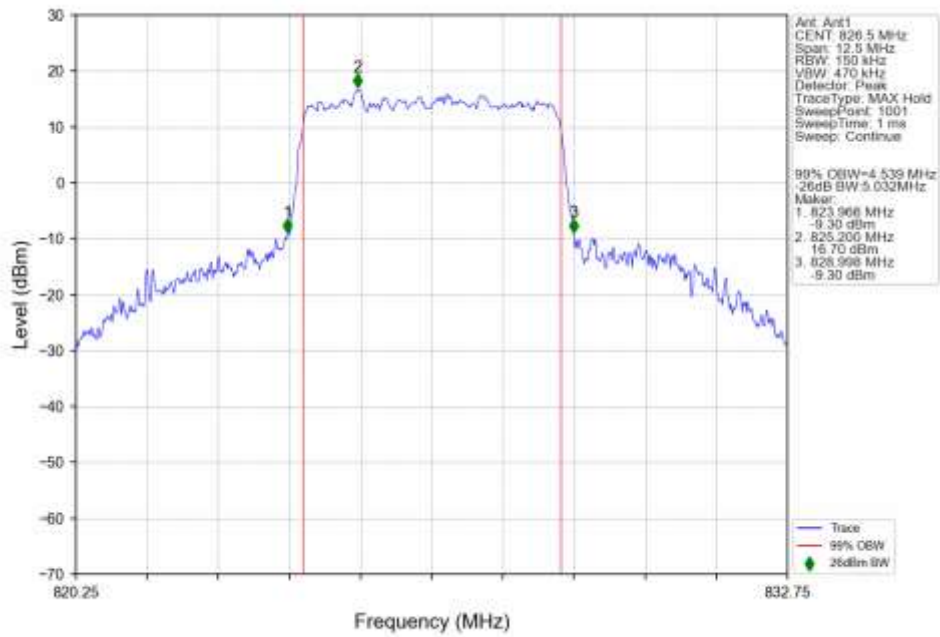
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



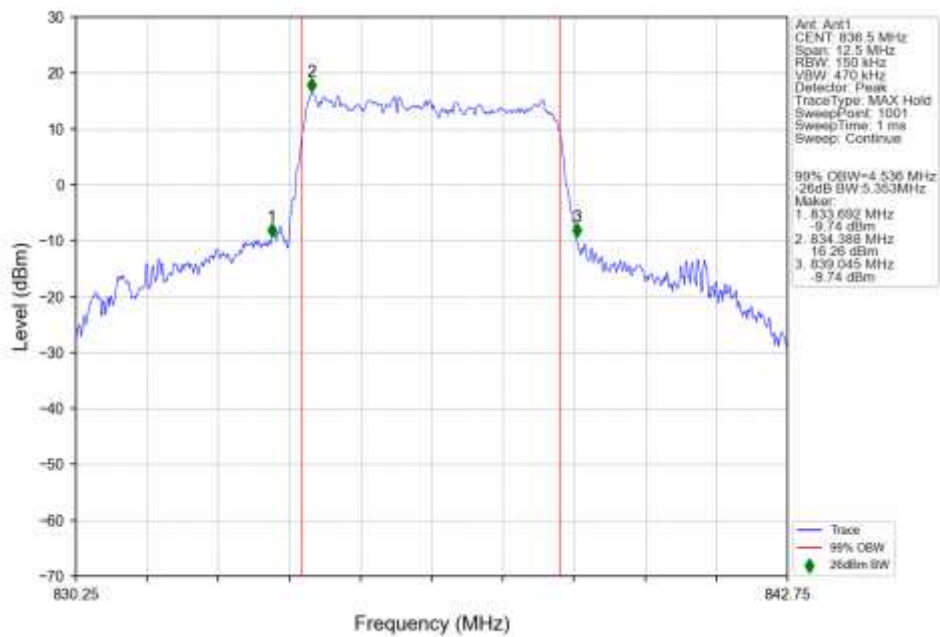
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



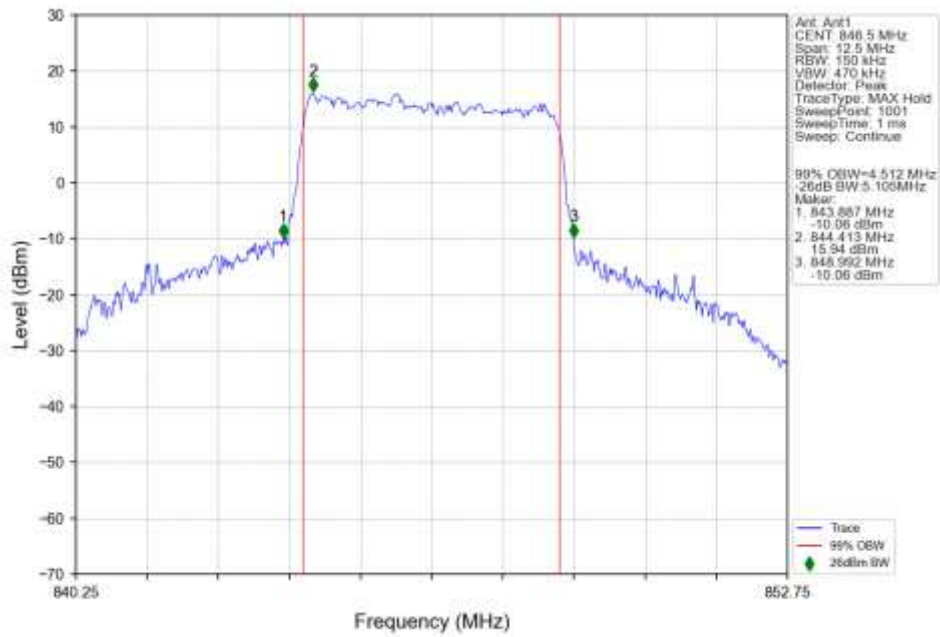
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



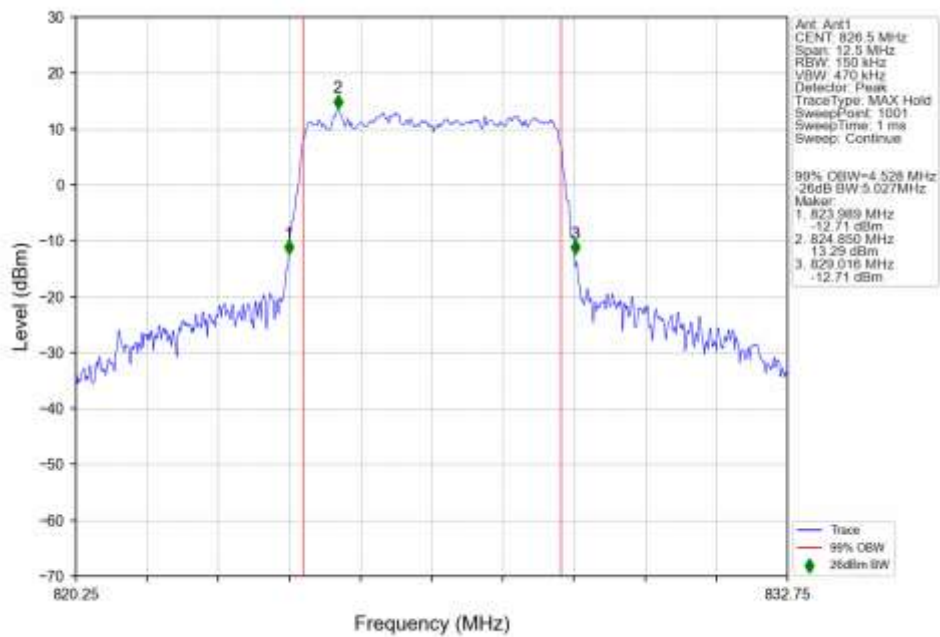
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



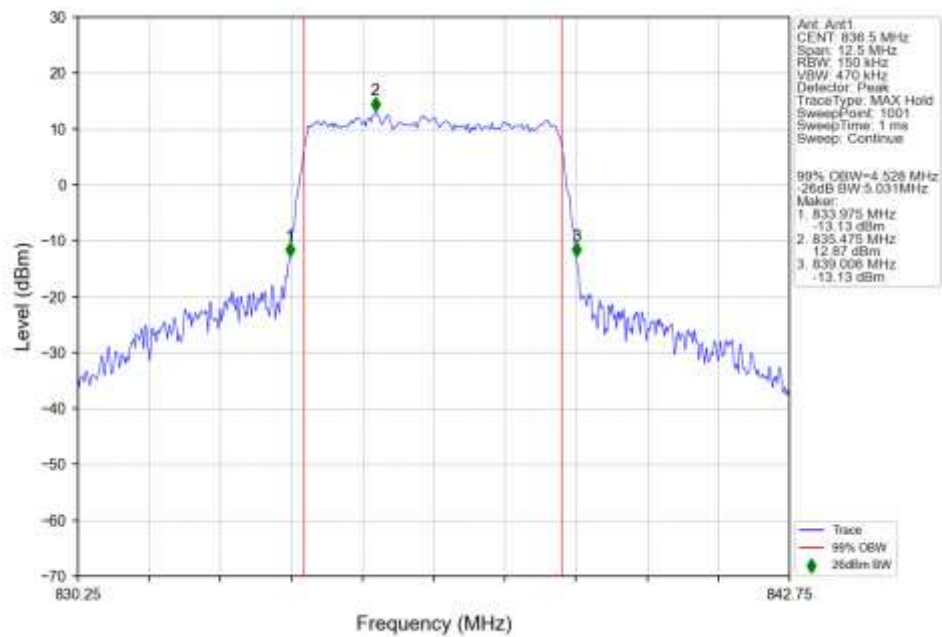
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_846.5MHz_Outer_Full_Ant1



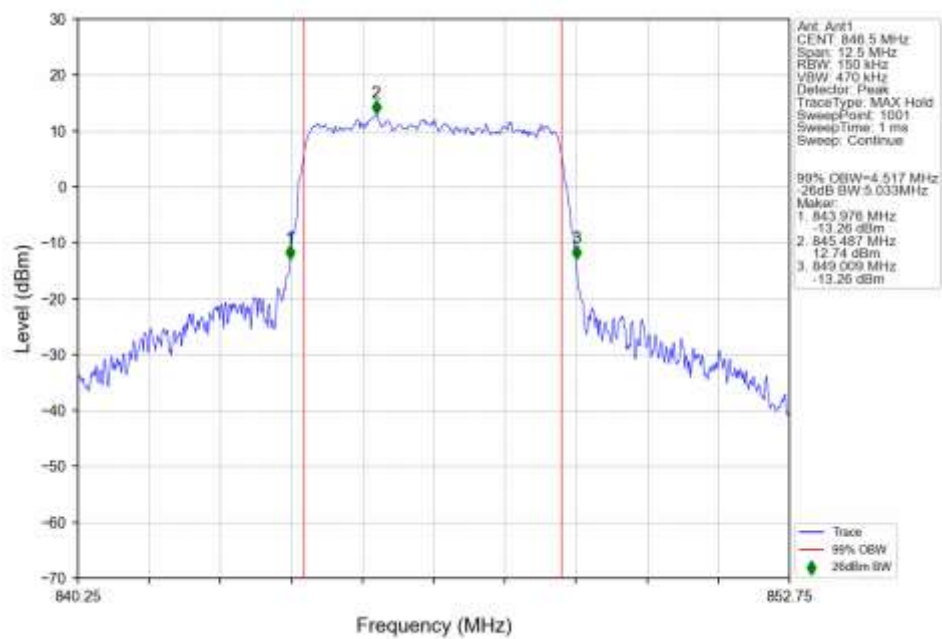
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_826.5MHz_Outer_Full_Ant1



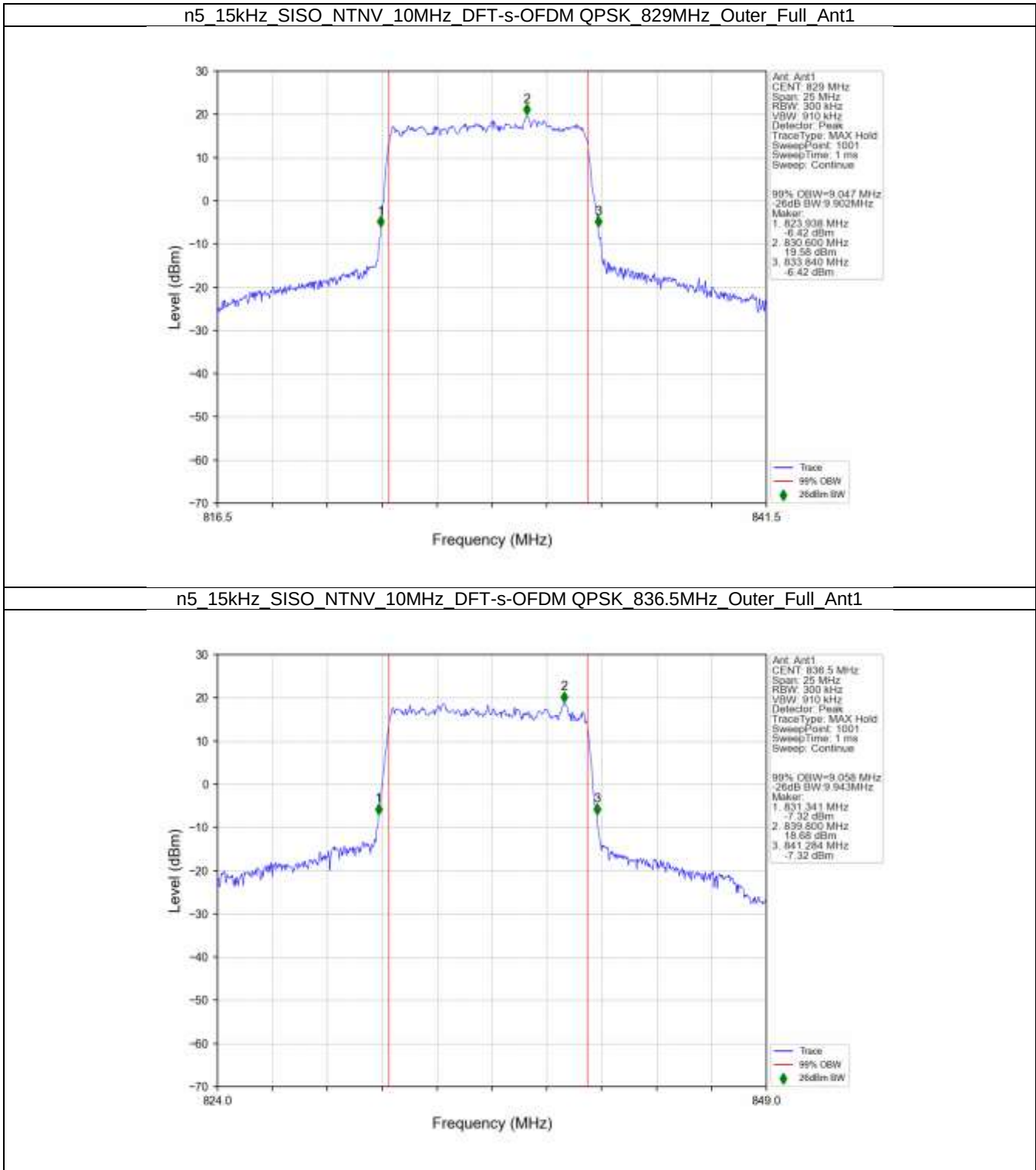
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1



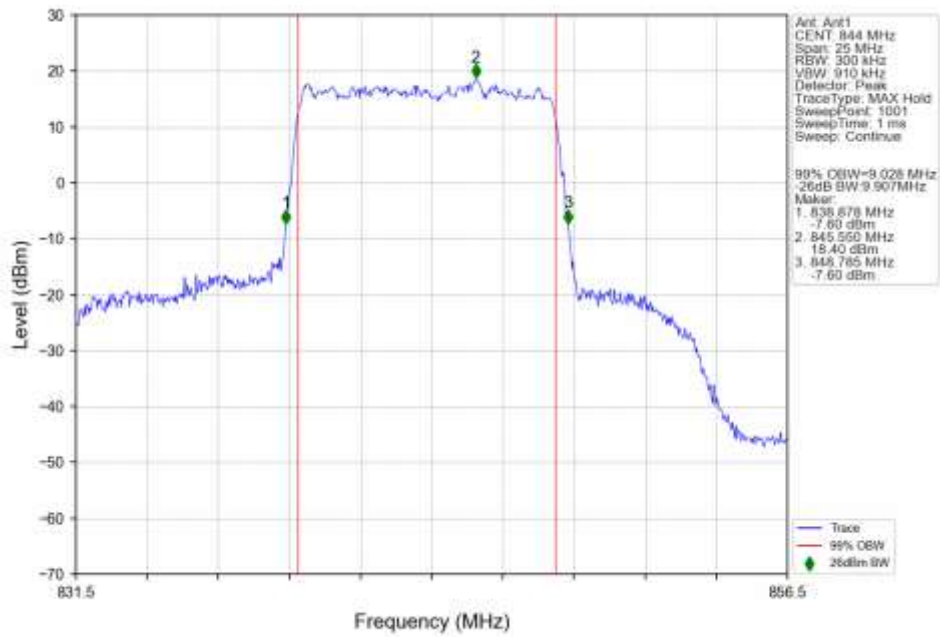
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 846.5MHz Outer Full Ant1



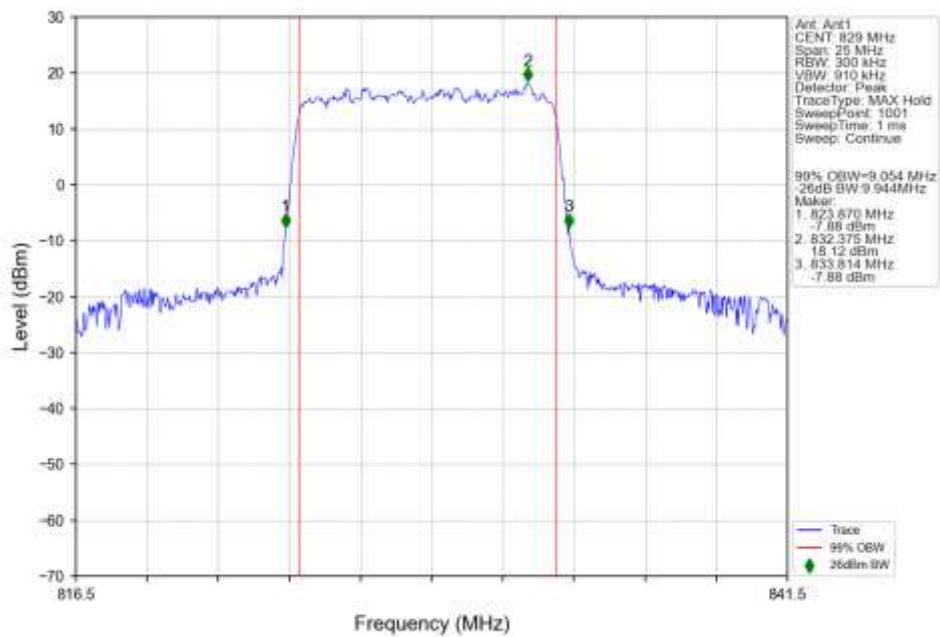
4.2.2 15k_SISO_10MHz_NTNV



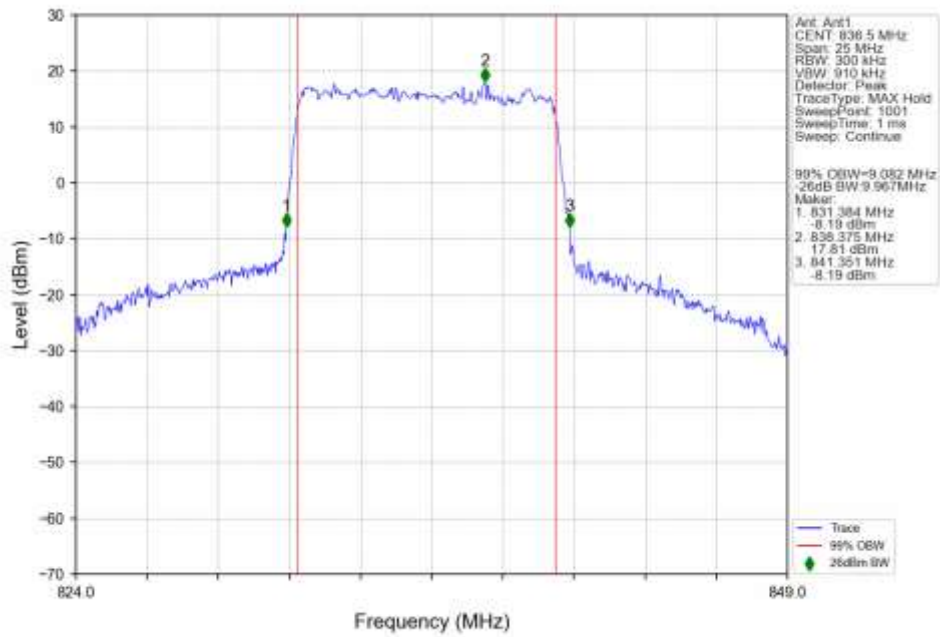
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant1



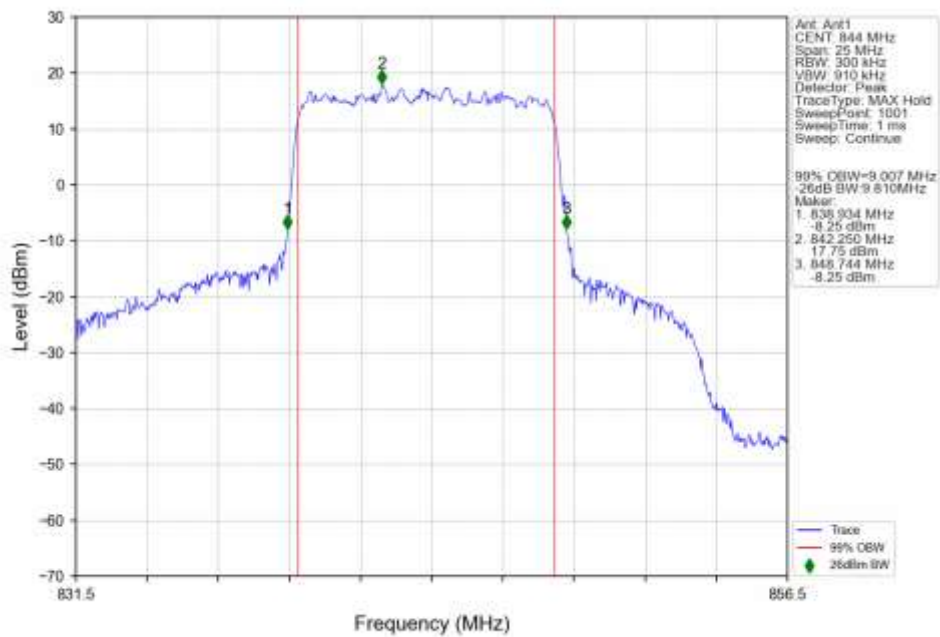
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_829MHz_Outer_Full_Ant1



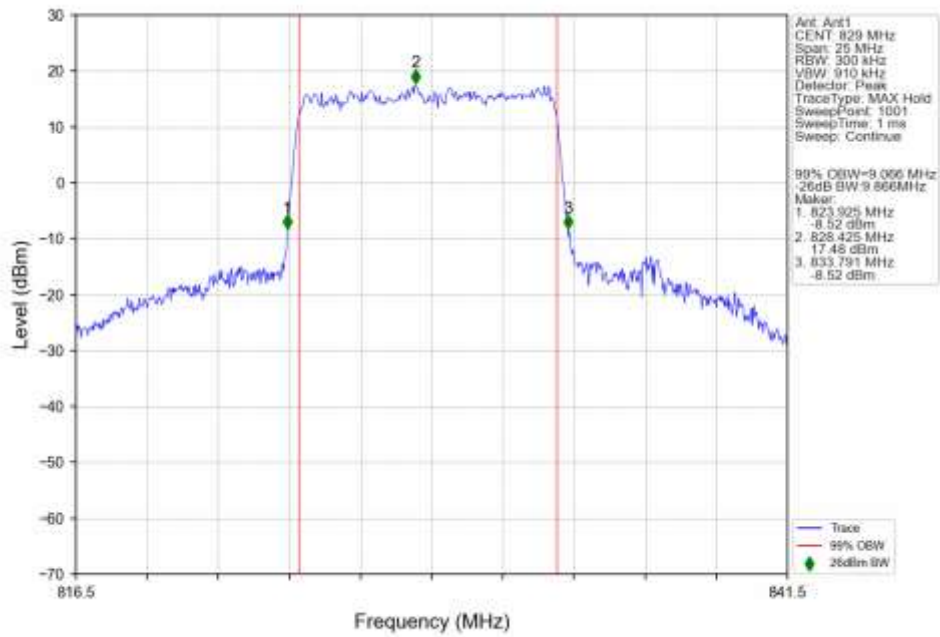
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



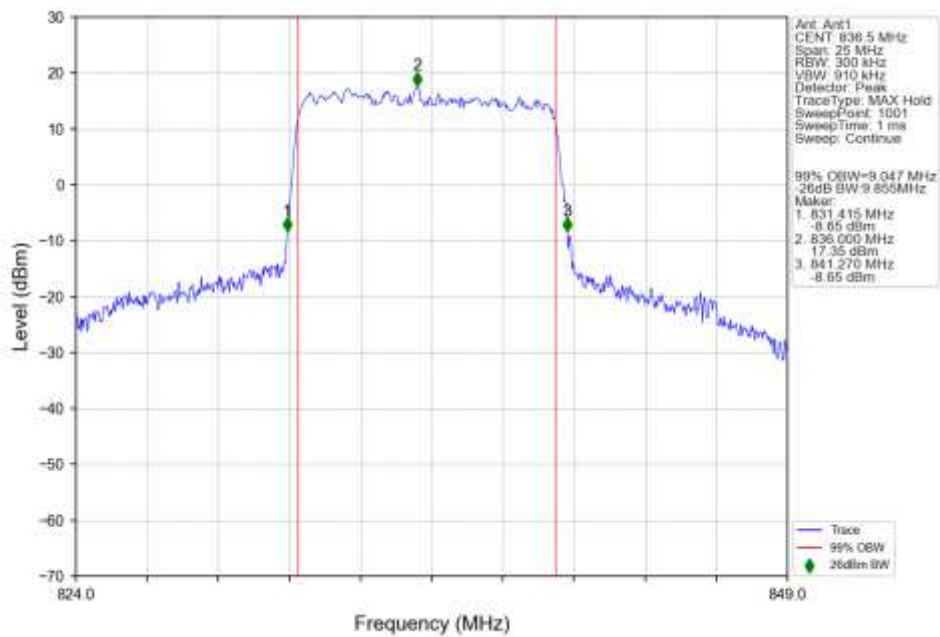
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_844MHz_Outer_Full_Ant1



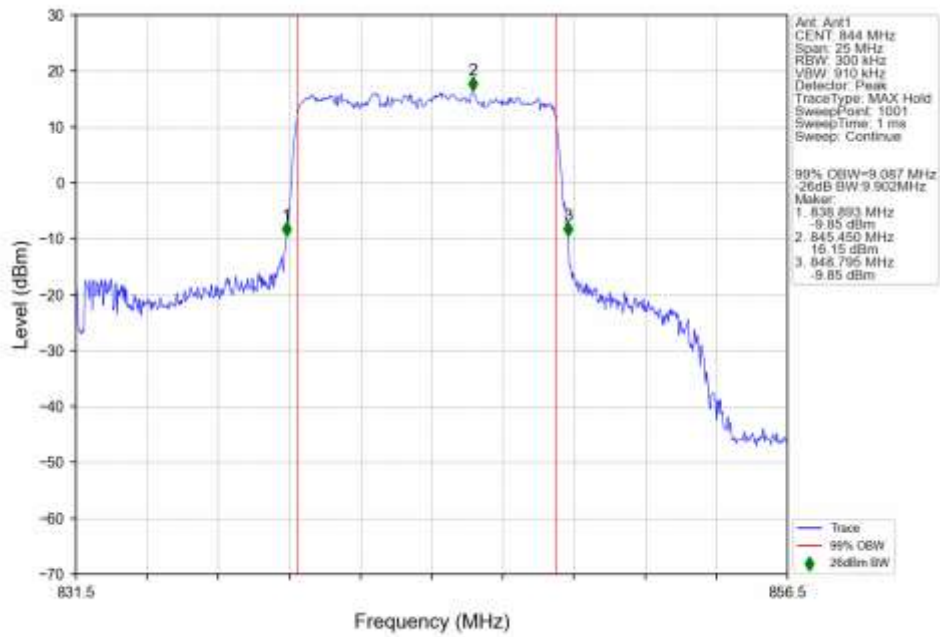
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 829MHz Outer Full Ant1



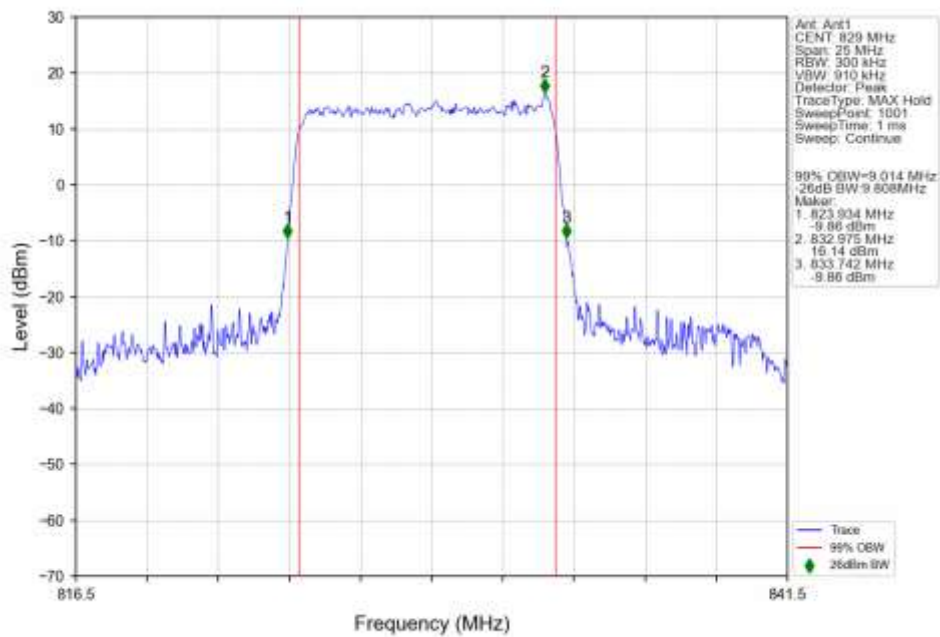
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



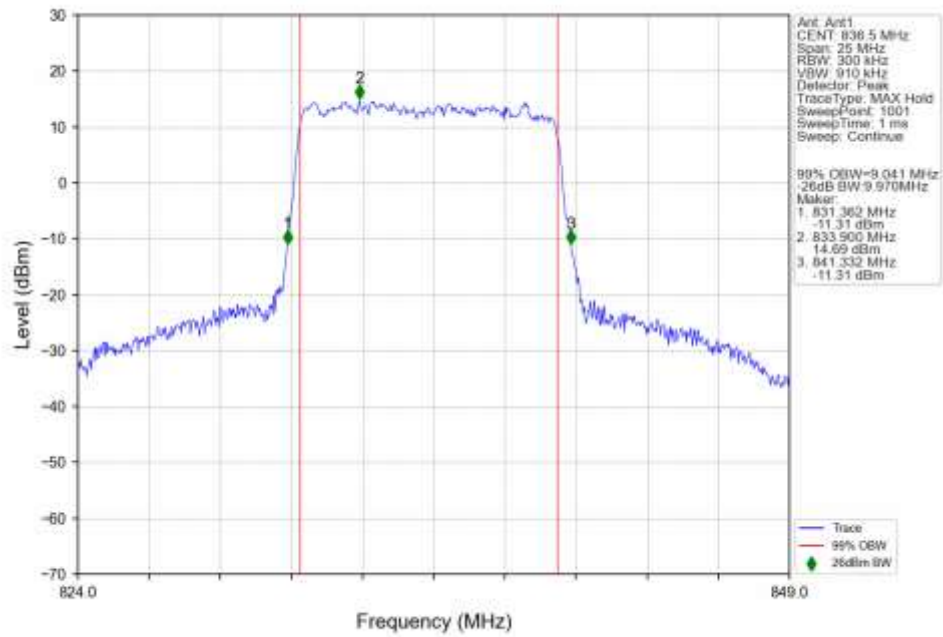
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_844MHz_Outer_Full_Ant1



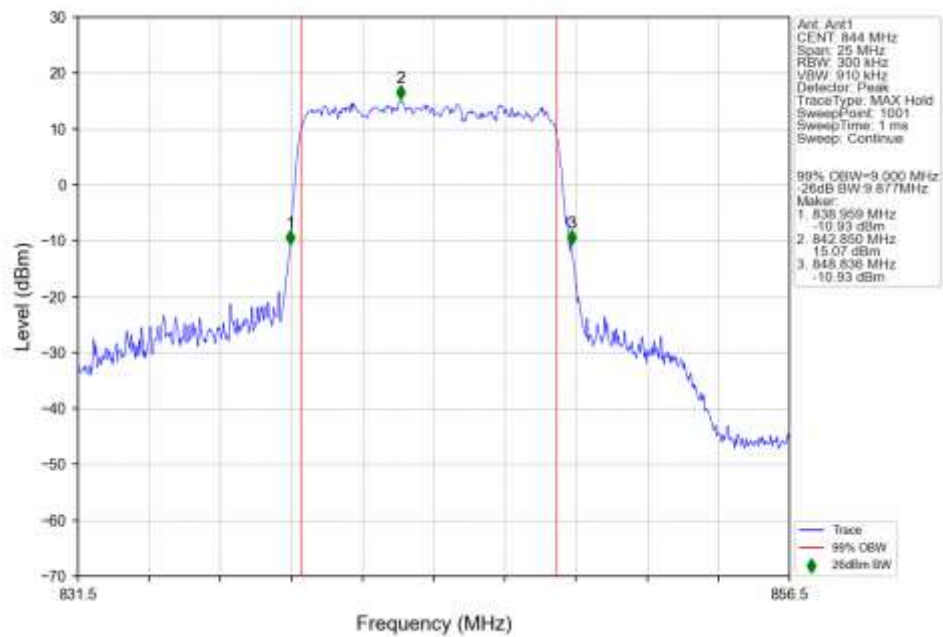
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_829MHz_Outer_Full_Ant1



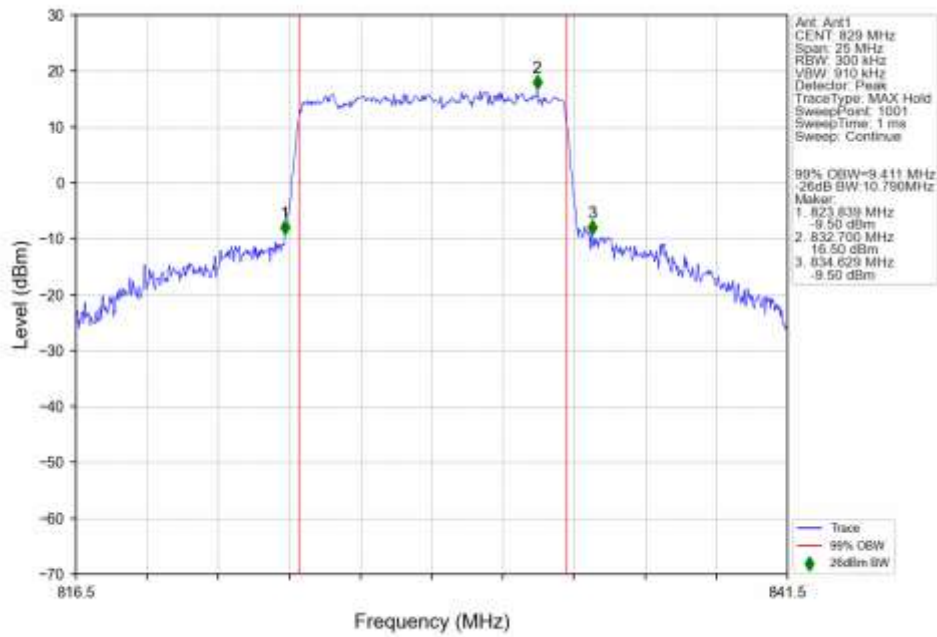
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



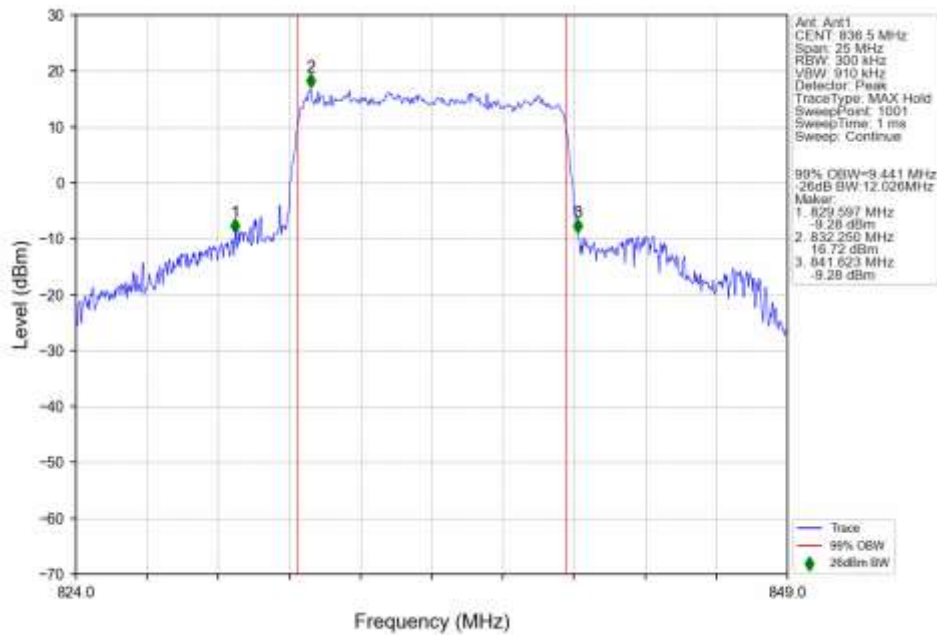
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_844MHz_Outer_Full_Ant1



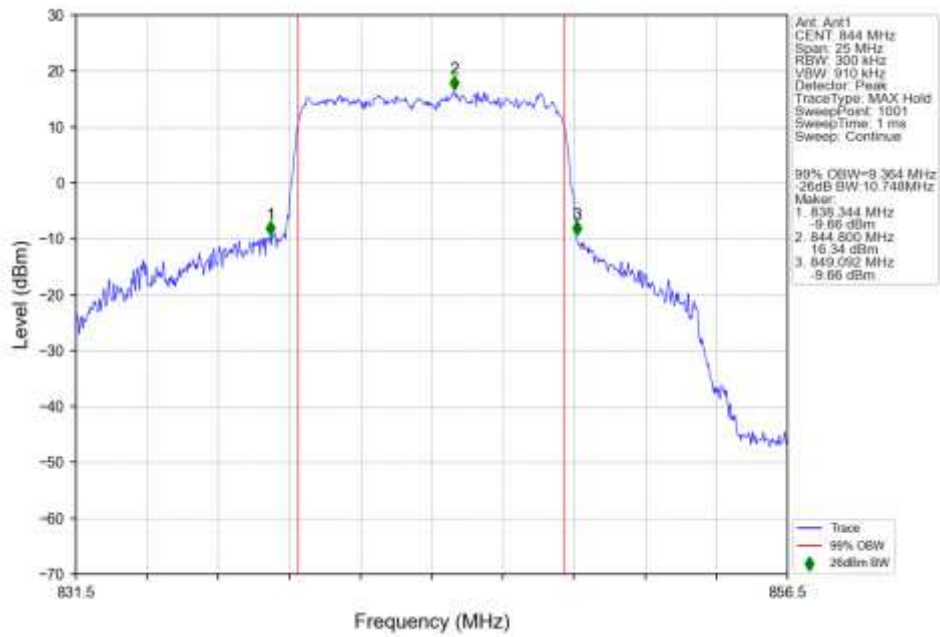
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_829MHz_Outer_Full_Ant1



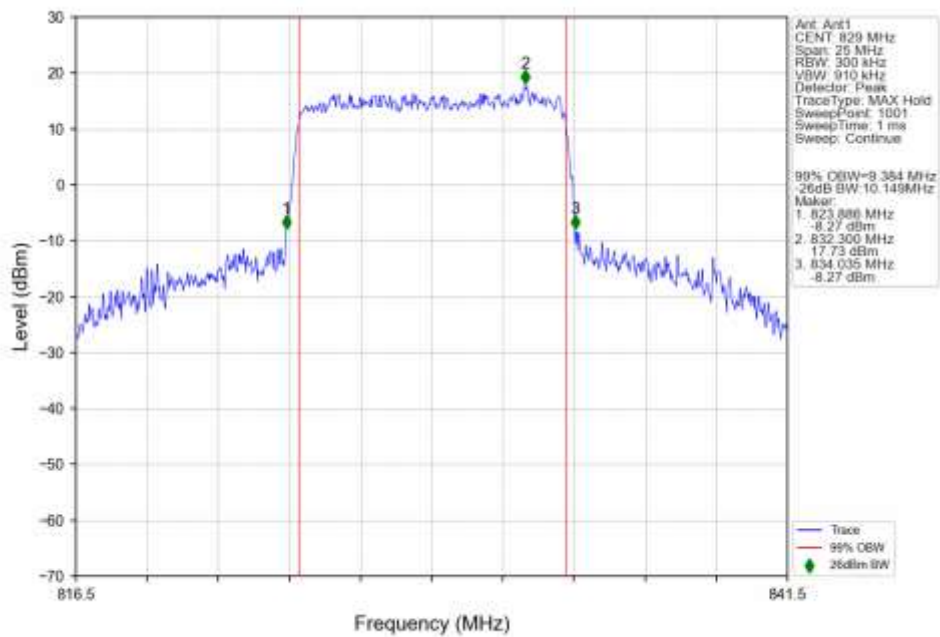
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



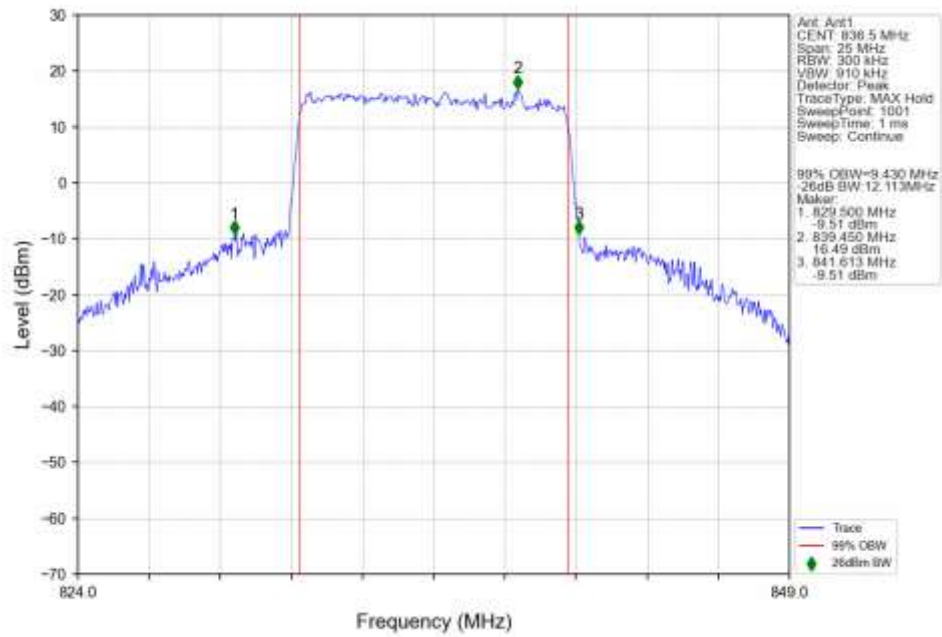
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_844MHz_Outer_Full_Ant1



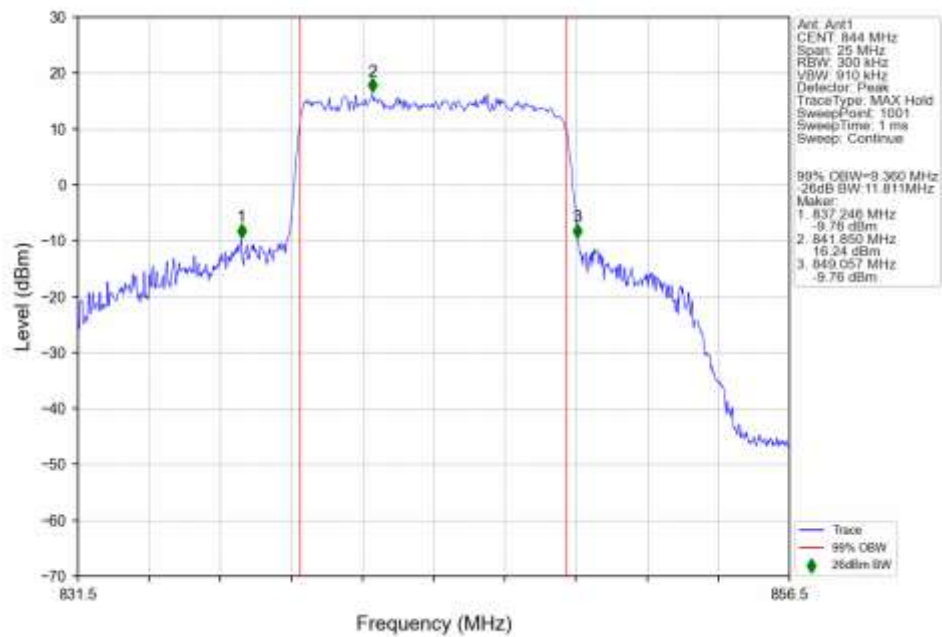
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_829MHz_Outer_Full_Ant1



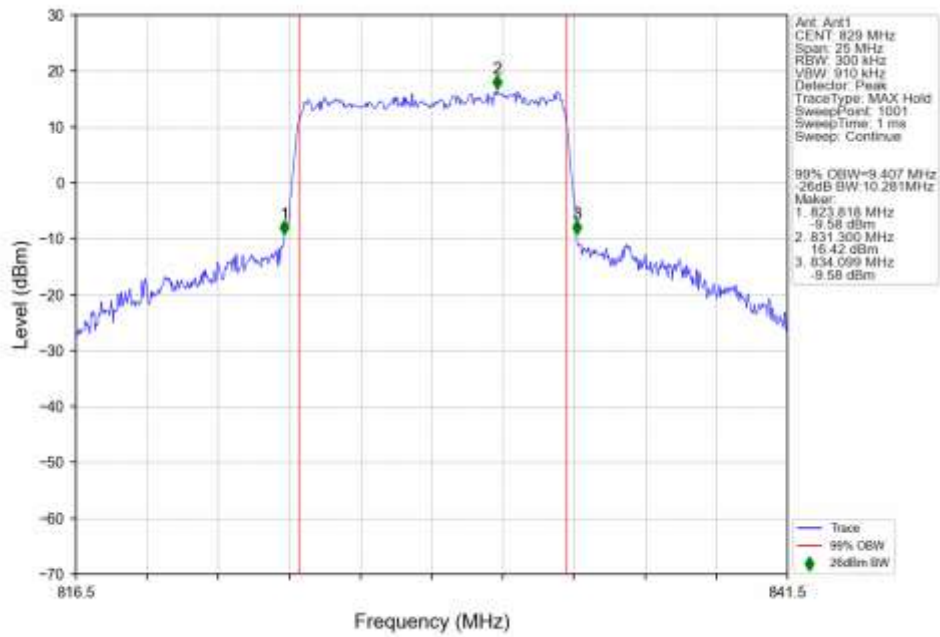
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



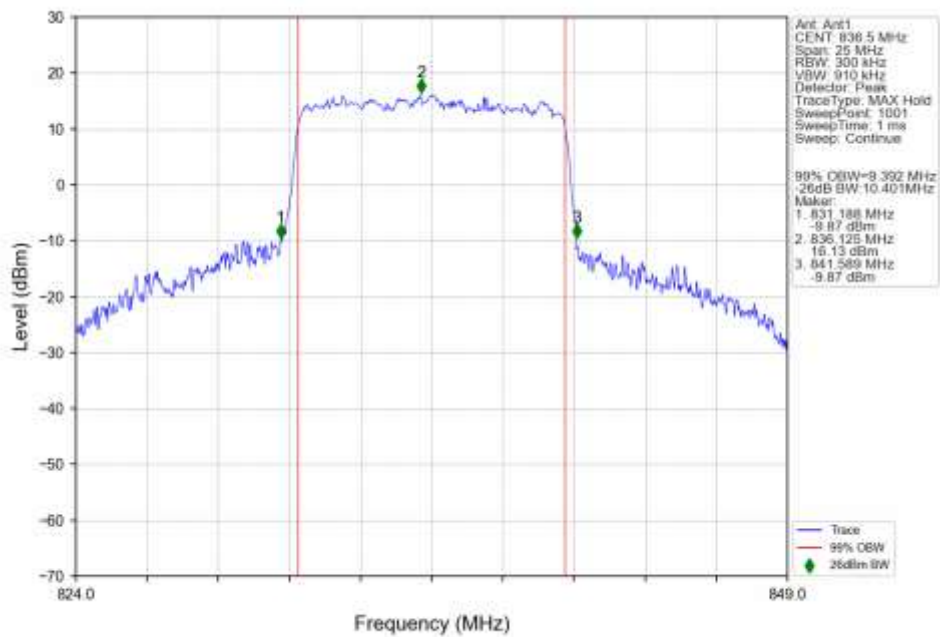
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_844MHz_Outer_Full_Ant1



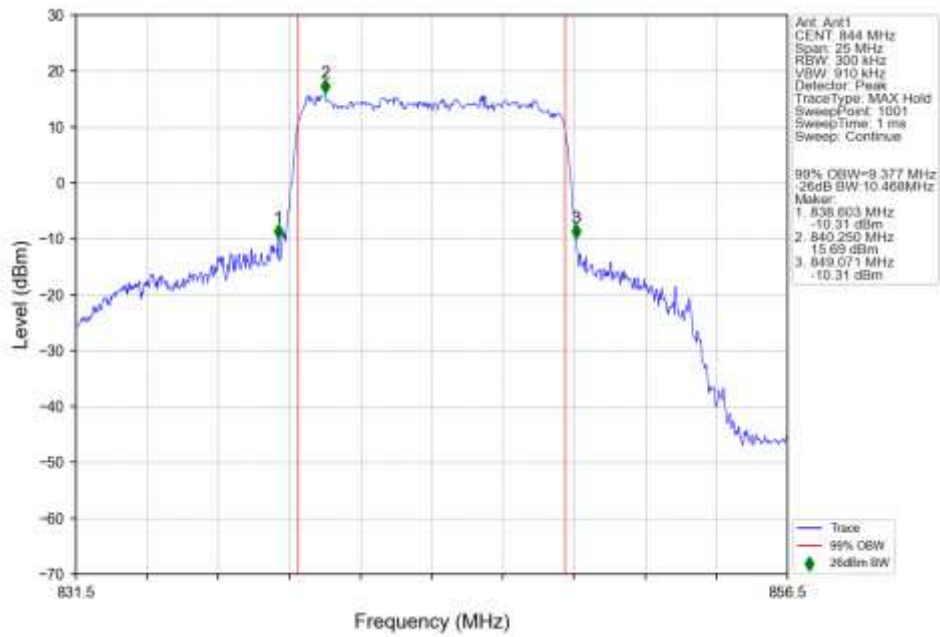
n5 15kHz SISO NTNV 10MHz CP-OFDM 64 QAM 829MHz Outer Full Ant1



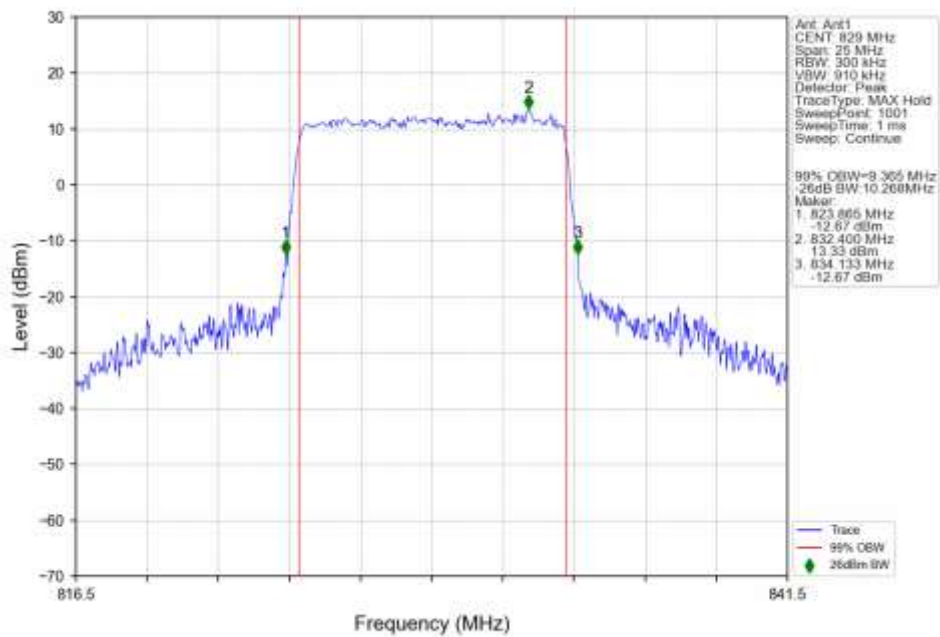
n5 15kHz SISO NTNV 10MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



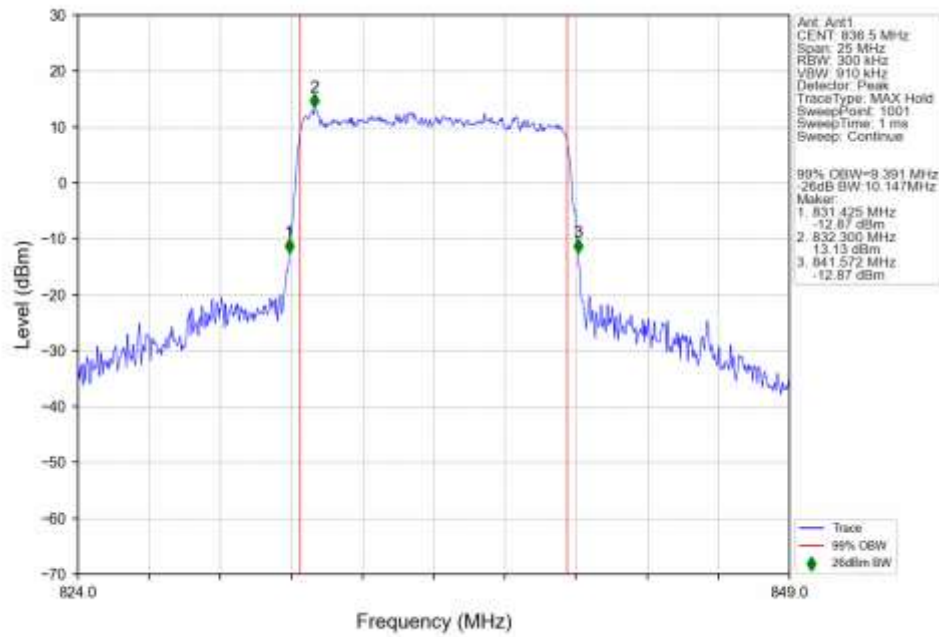
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_844MHz_Outer_Full_Ant1



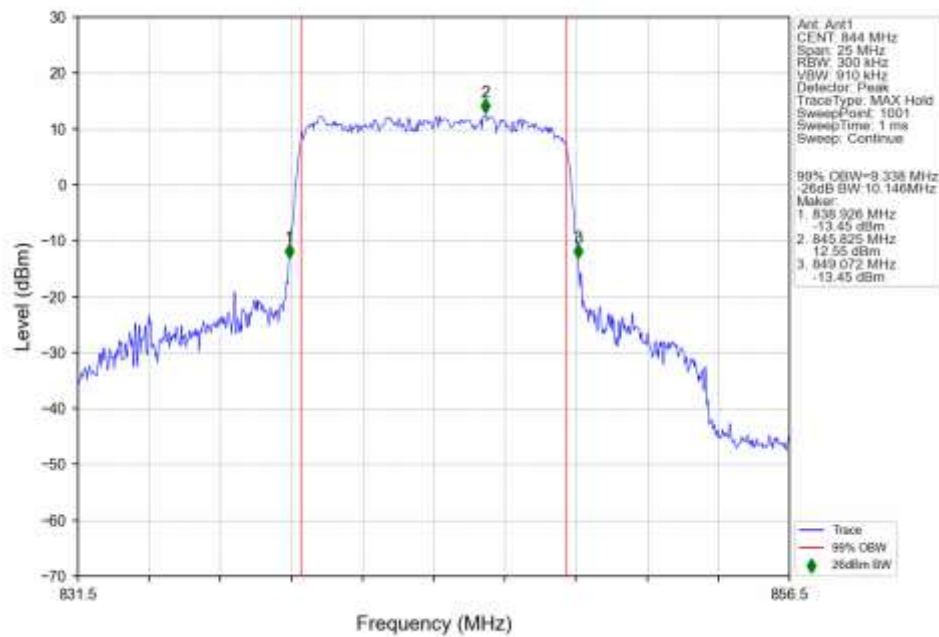
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full_Ant1



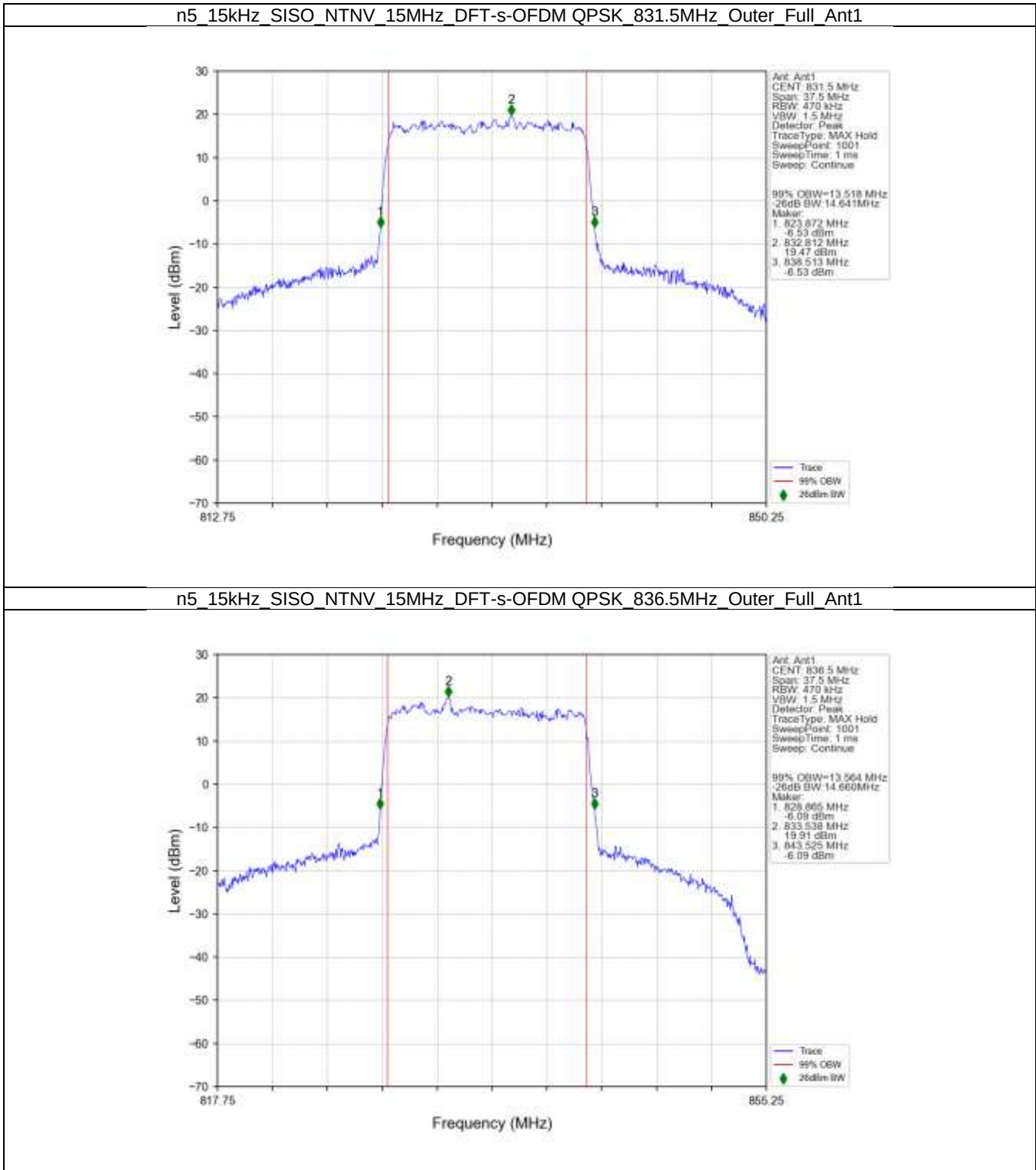
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



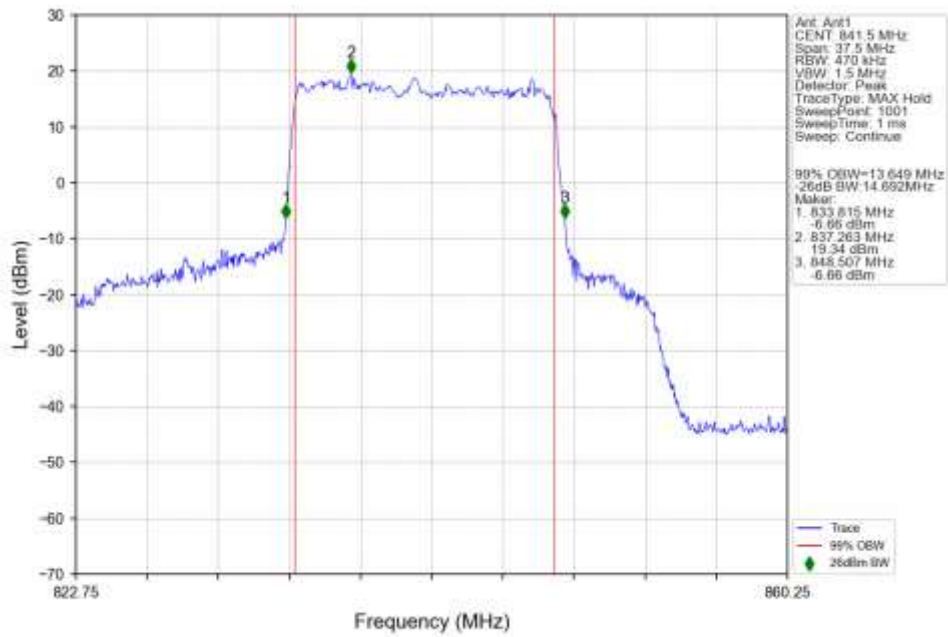
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_844MHz_Outer_Full_Ant1



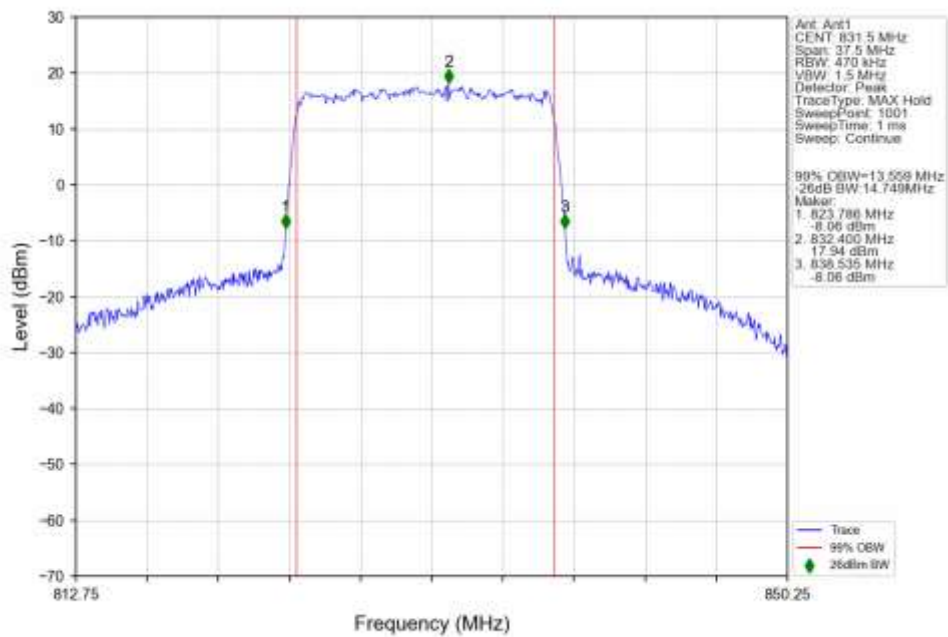
4.2.3 15k_SISO_15MHz_NTNV



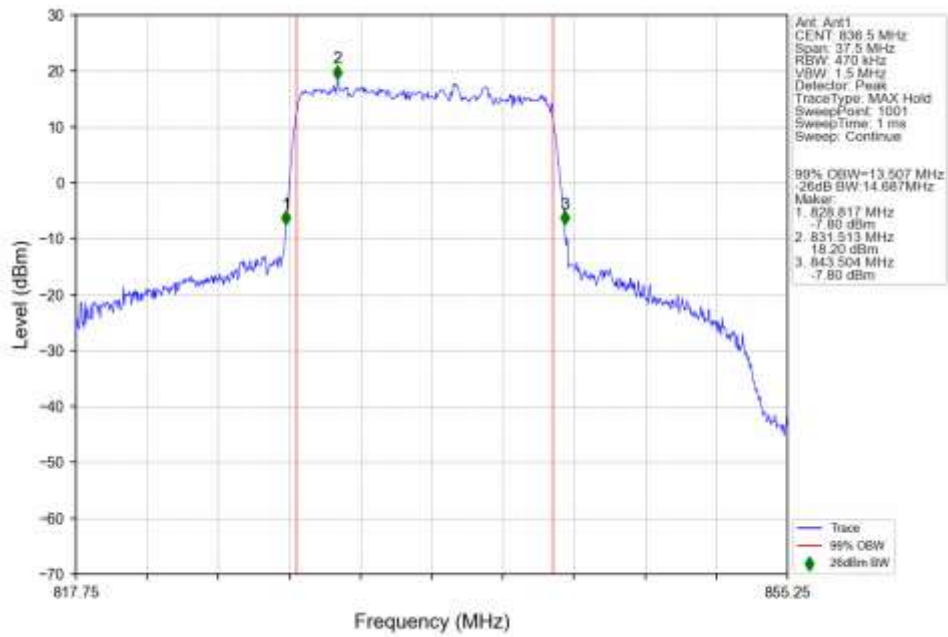
n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



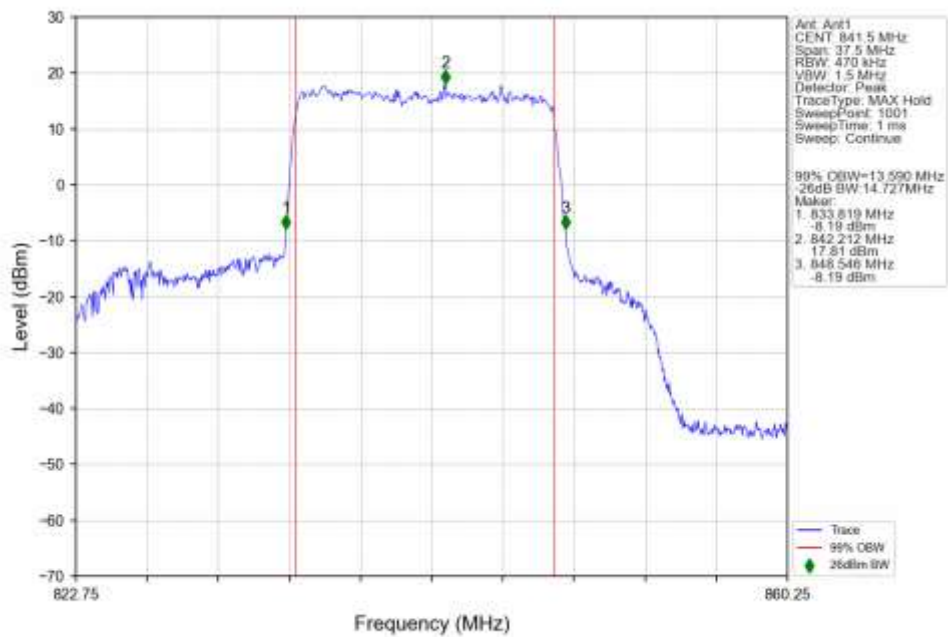
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



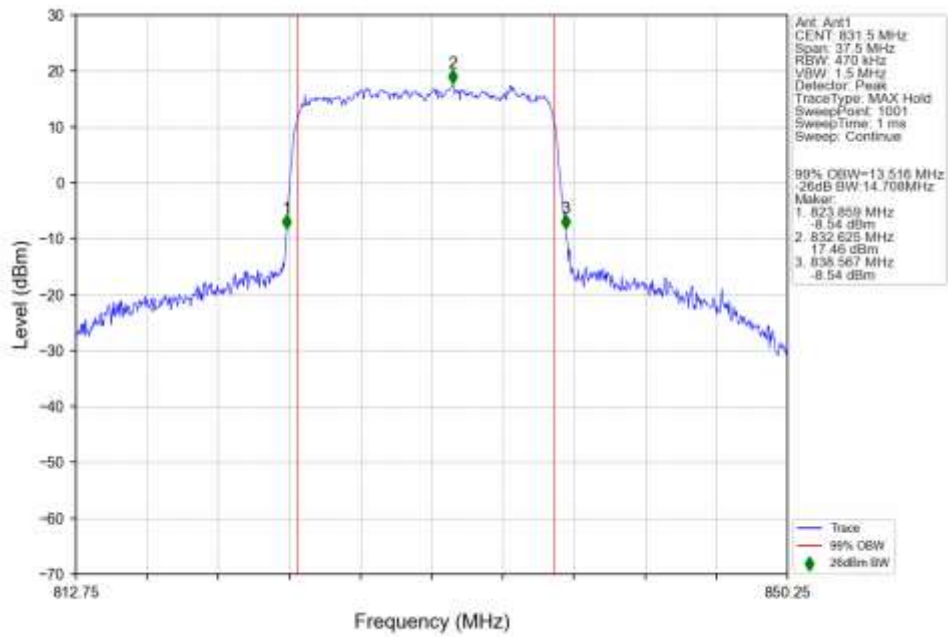
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



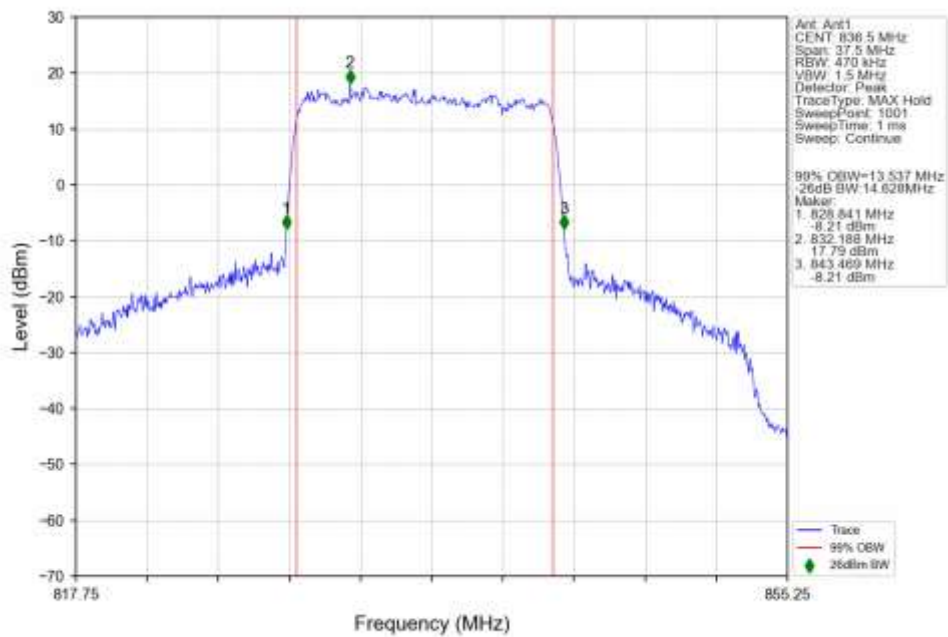
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full Ant1



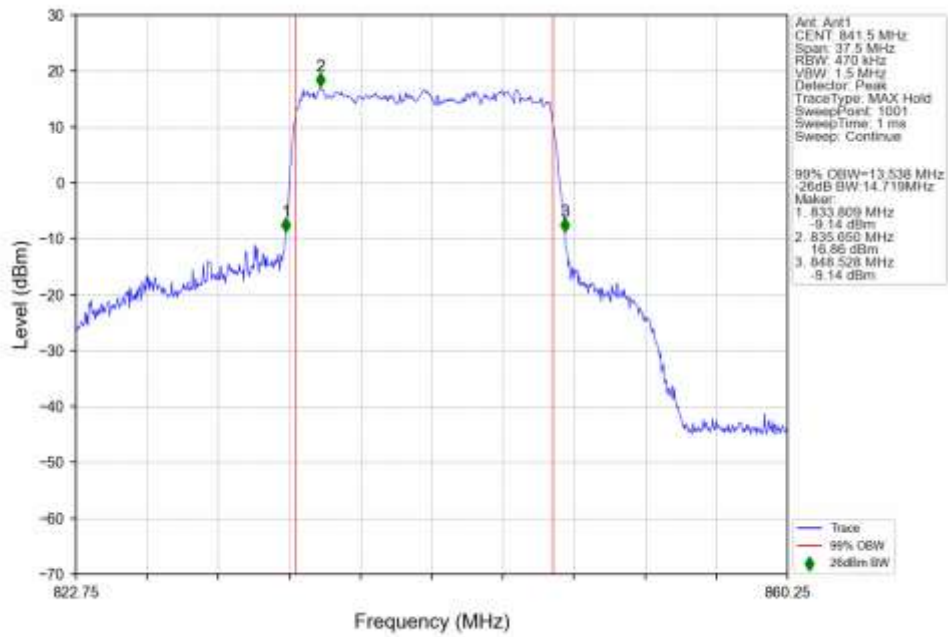
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1



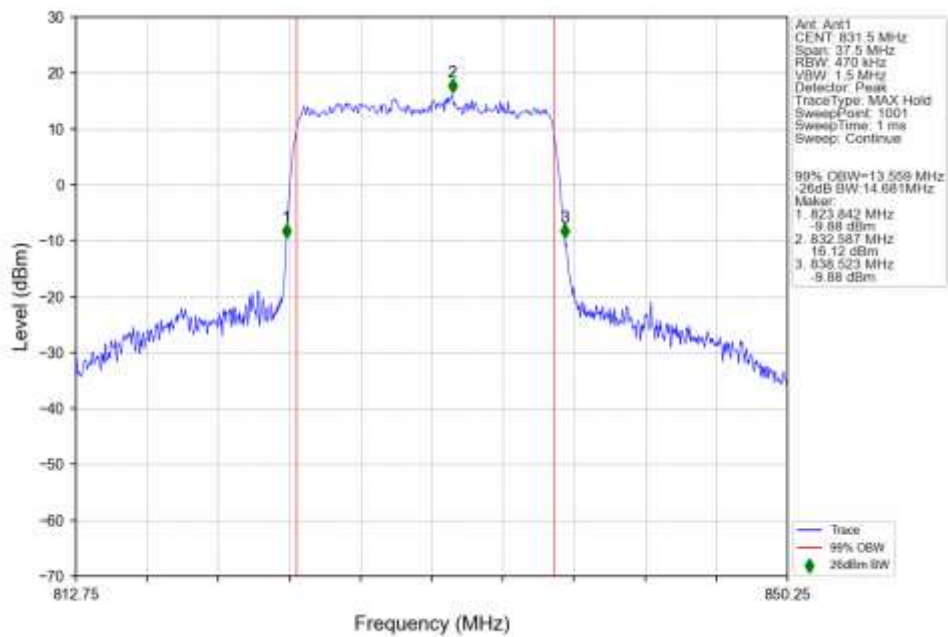
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



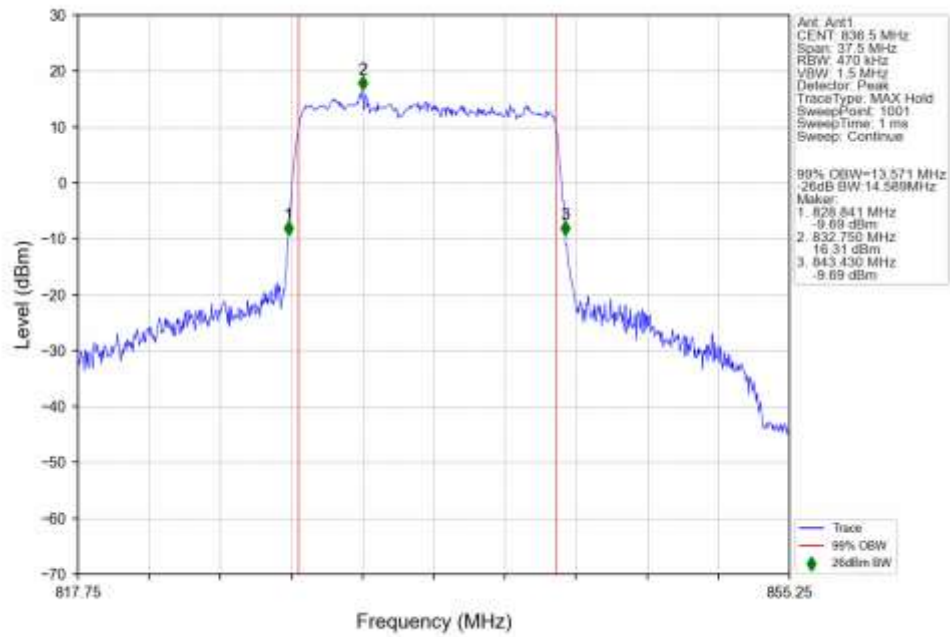
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_841.5MHz_Outer_Full_Ant1



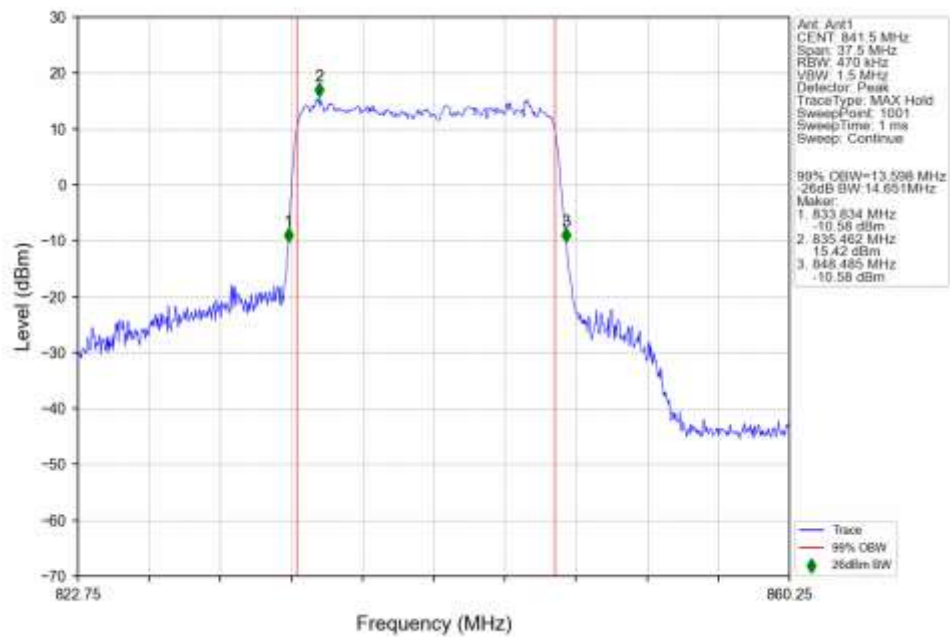
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_831.5MHz_Outer_Full_Ant1



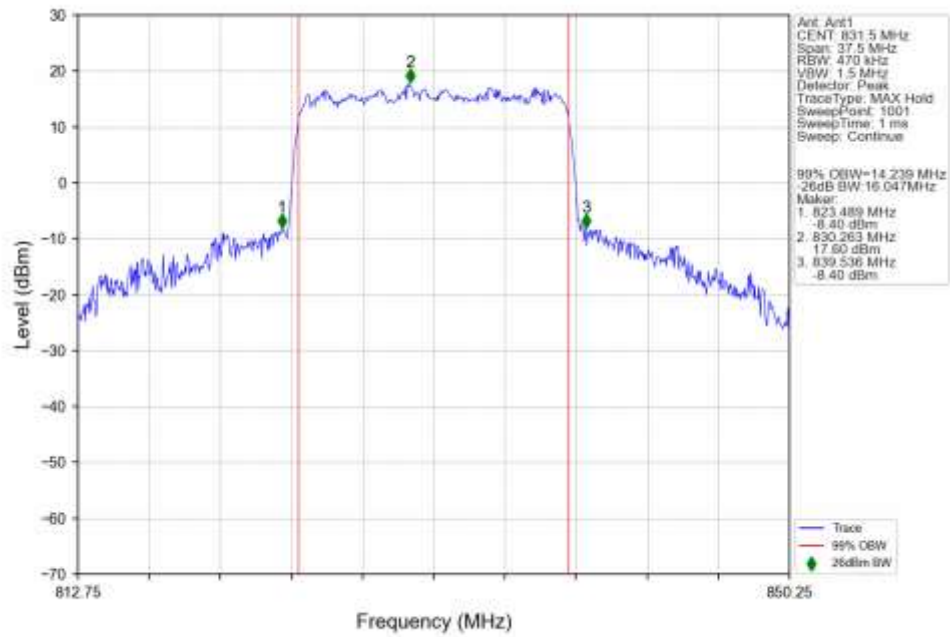
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



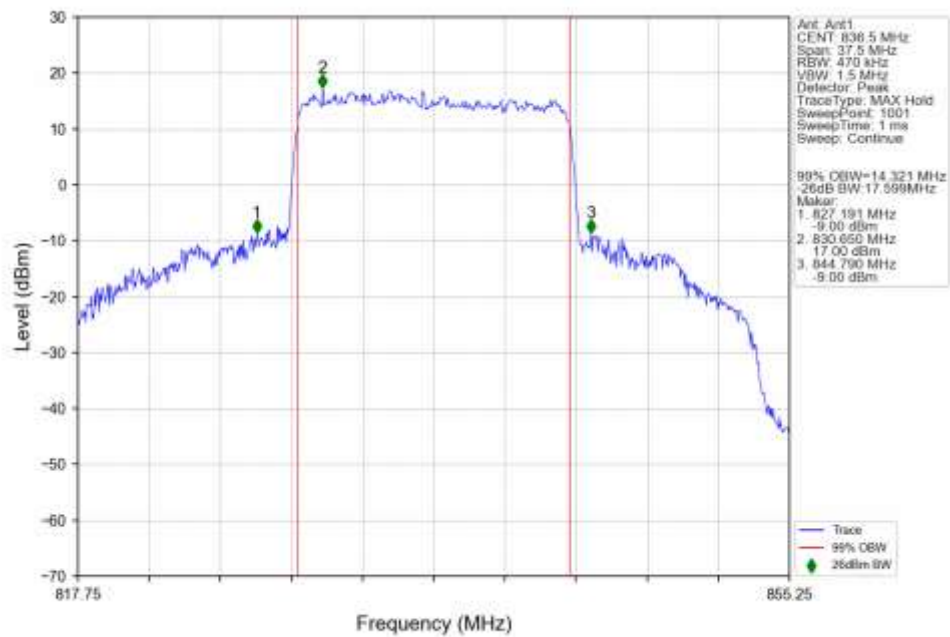
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_841.5MHz_Outer_Full_Ant1



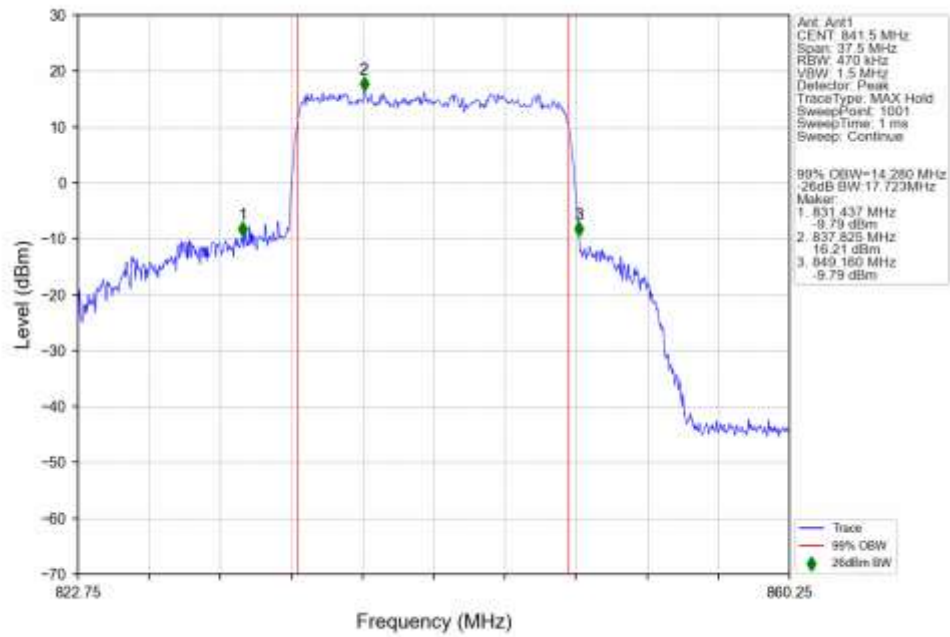
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_831.5MHz_Outer_Full_Ant1



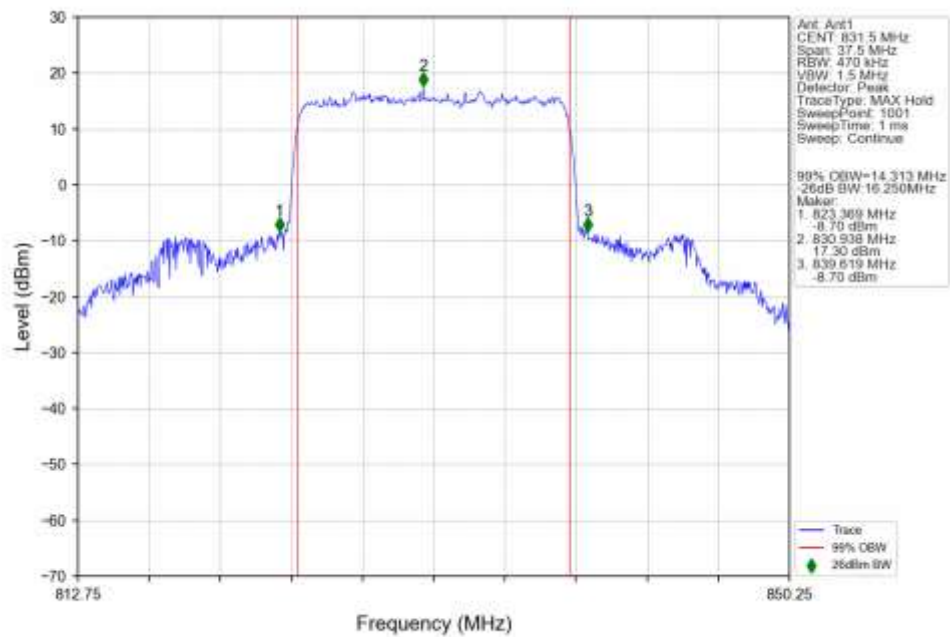
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



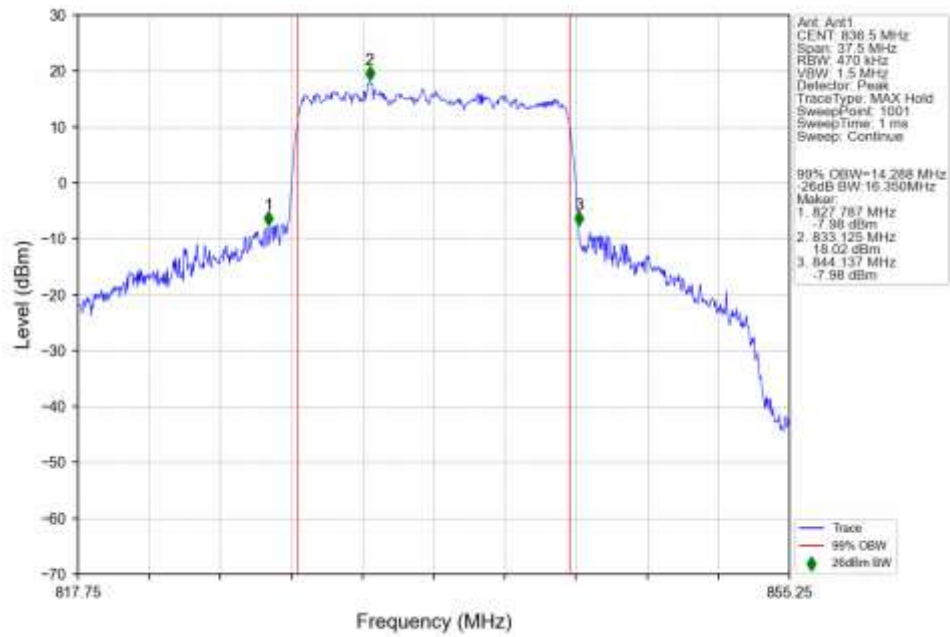
n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full Ant1



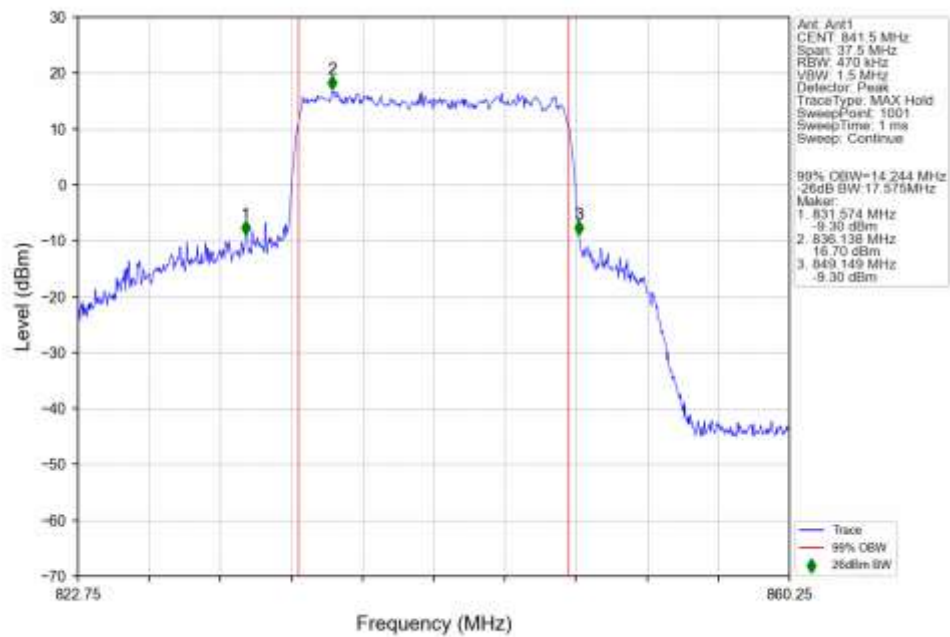
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full Ant1



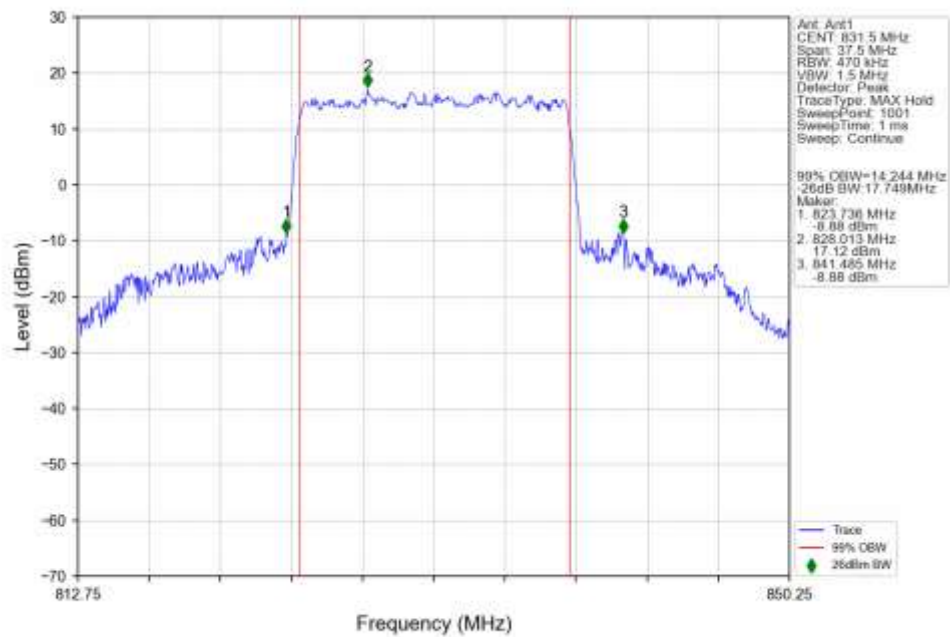
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1



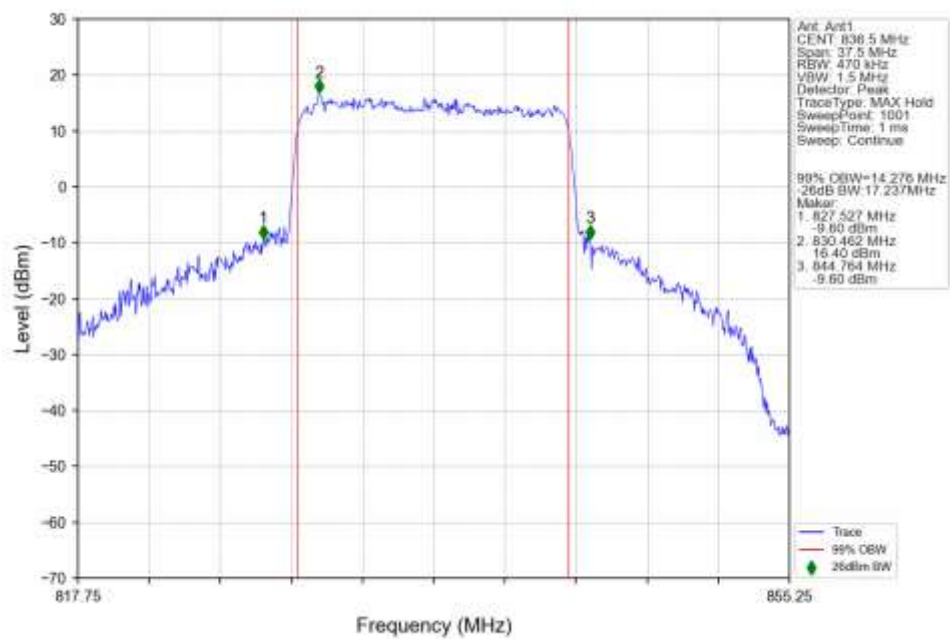
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full Ant1



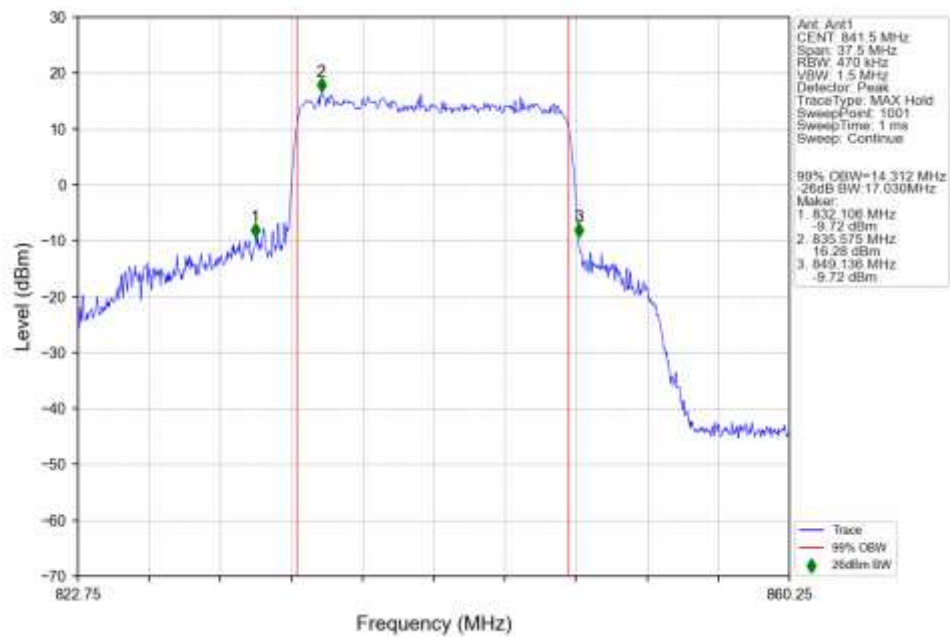
n5 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full Ant1



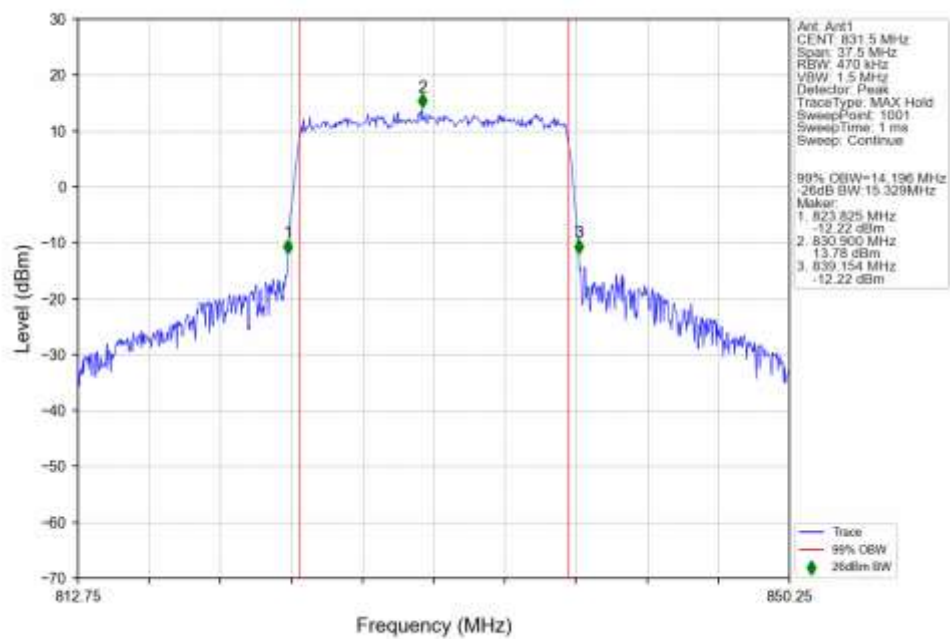
n5 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



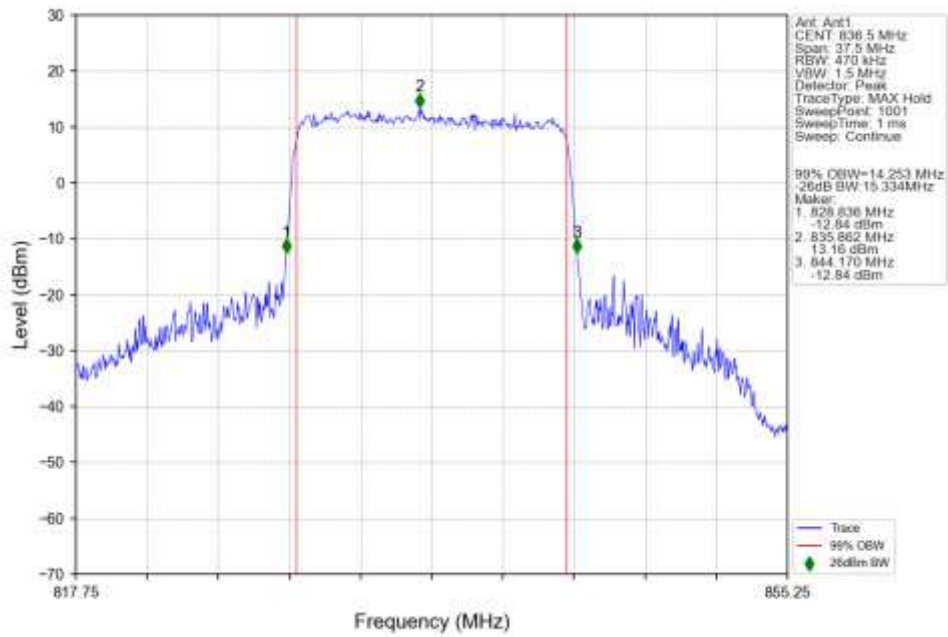
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_841.5MHz_Outer_Full_Ant1



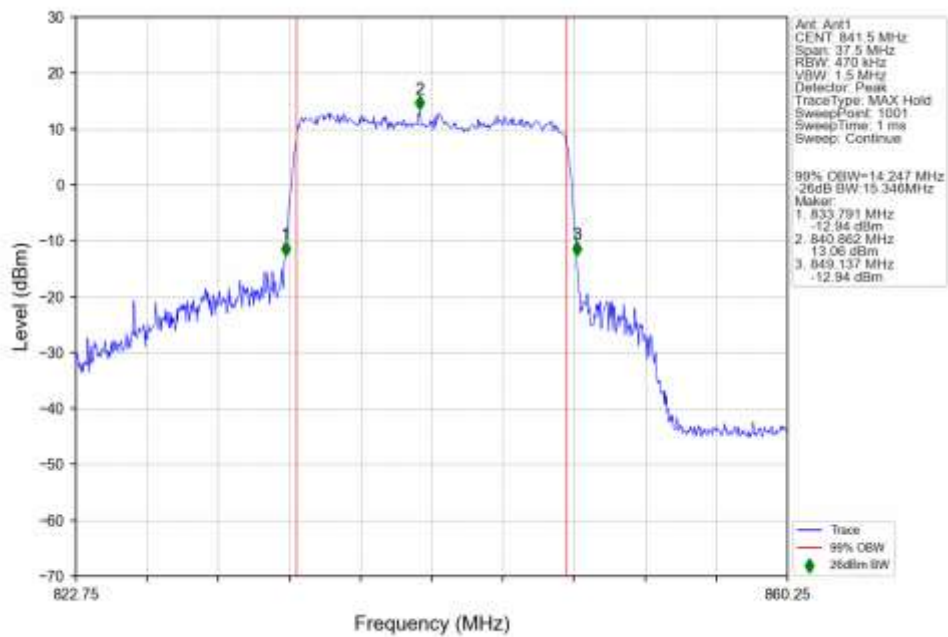
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_831.5MHz_Outer_Full_Ant1



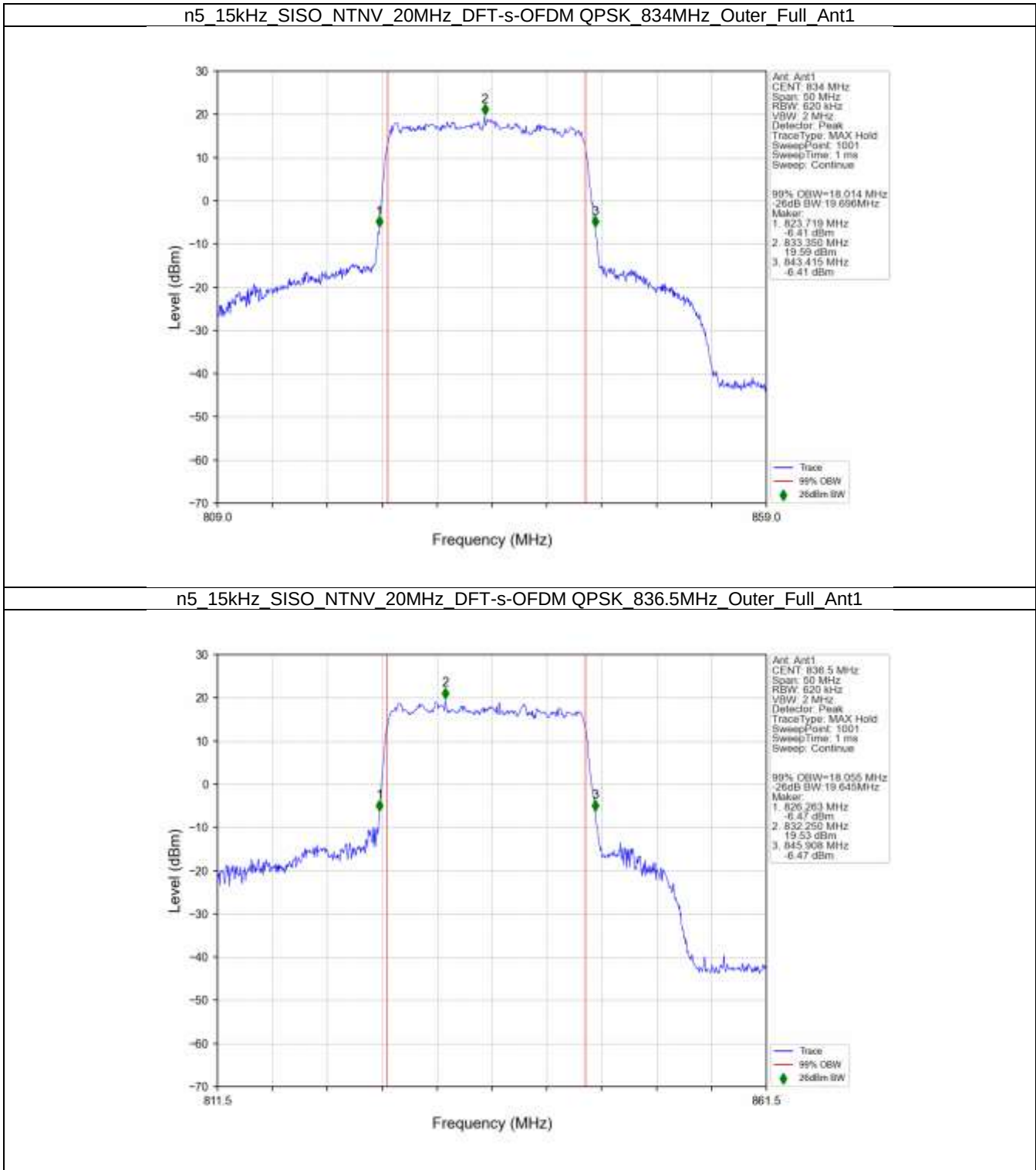
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



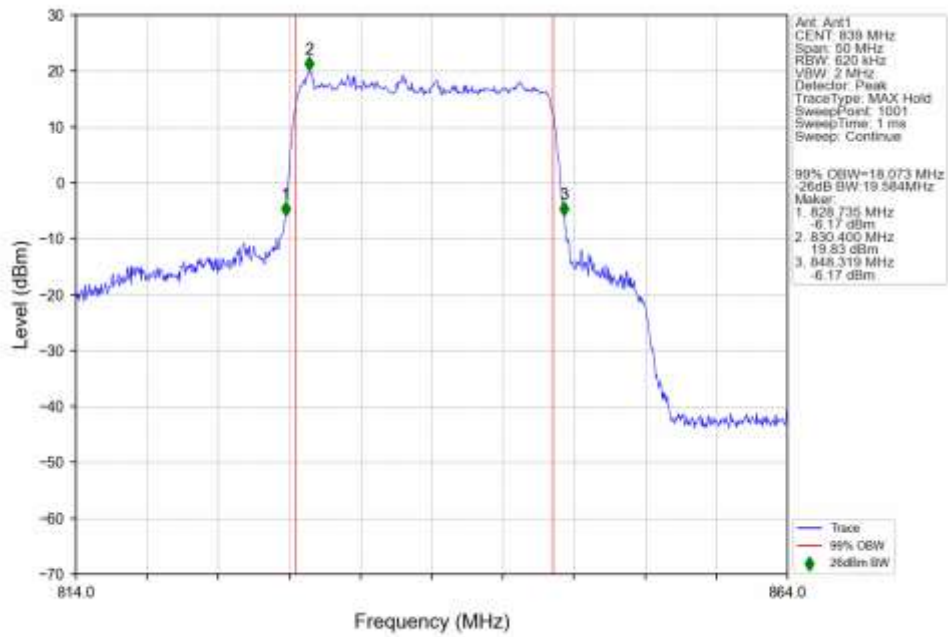
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_841.5MHz_Outer_Full_Ant1



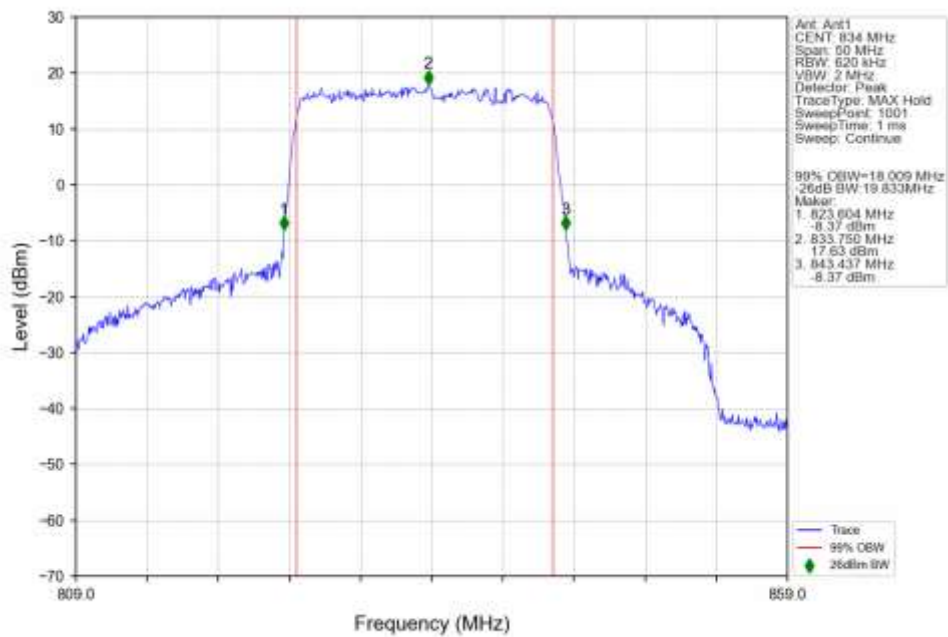
4.2.4 15k_SISO_20MHz_NTNV



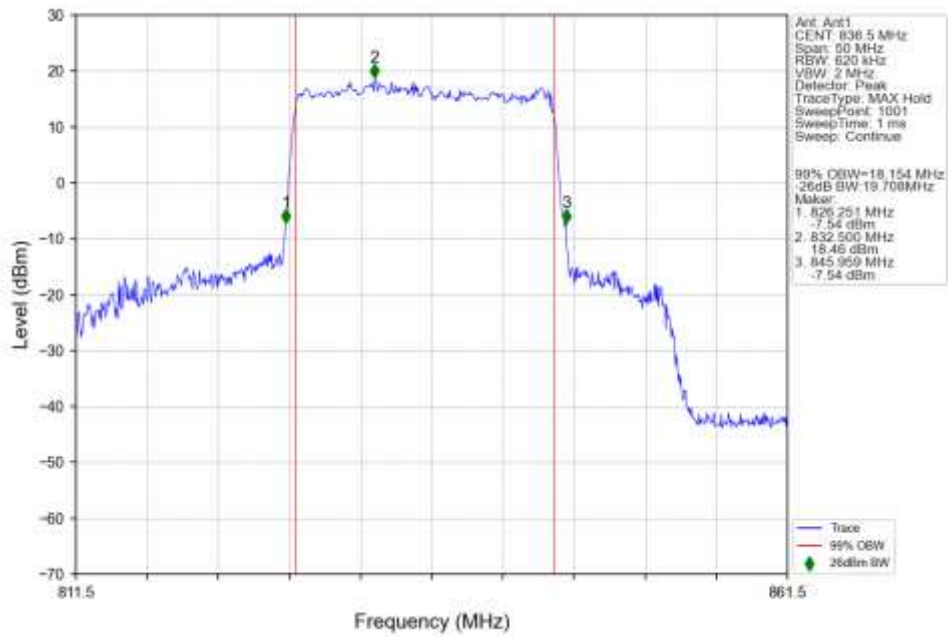
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Outer_Full_Ant1



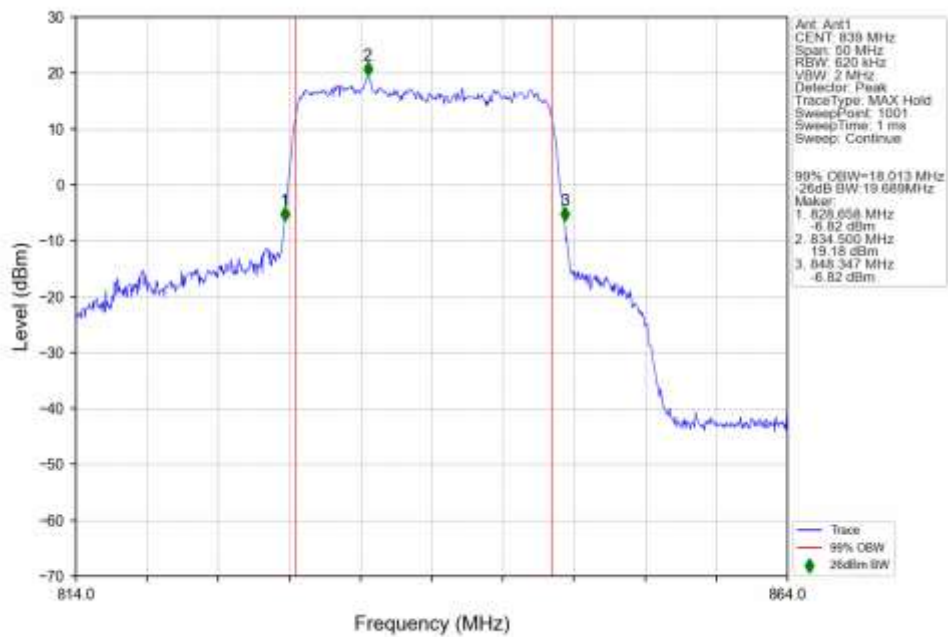
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_834MHz_Outer_Full_Ant1



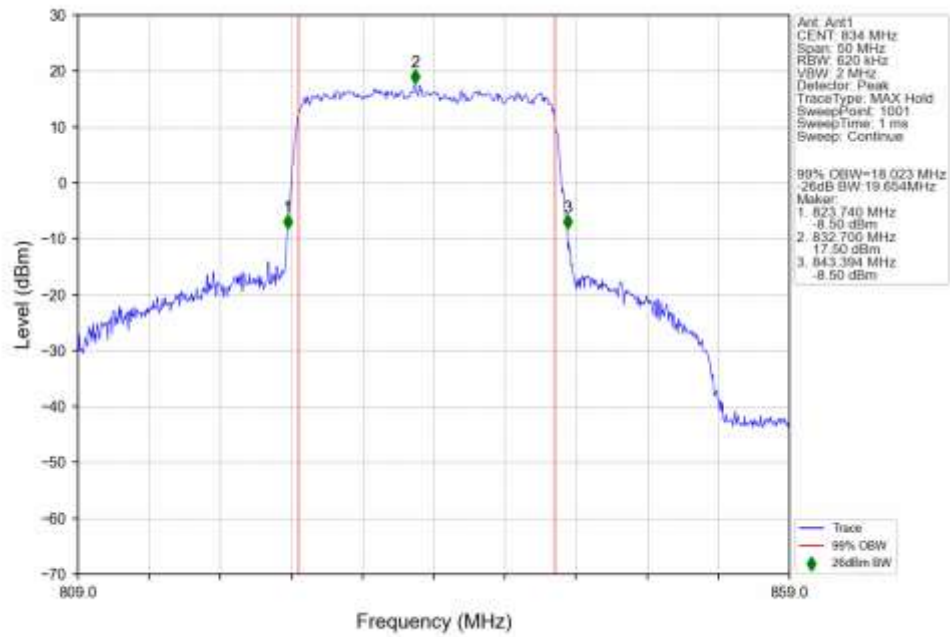
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



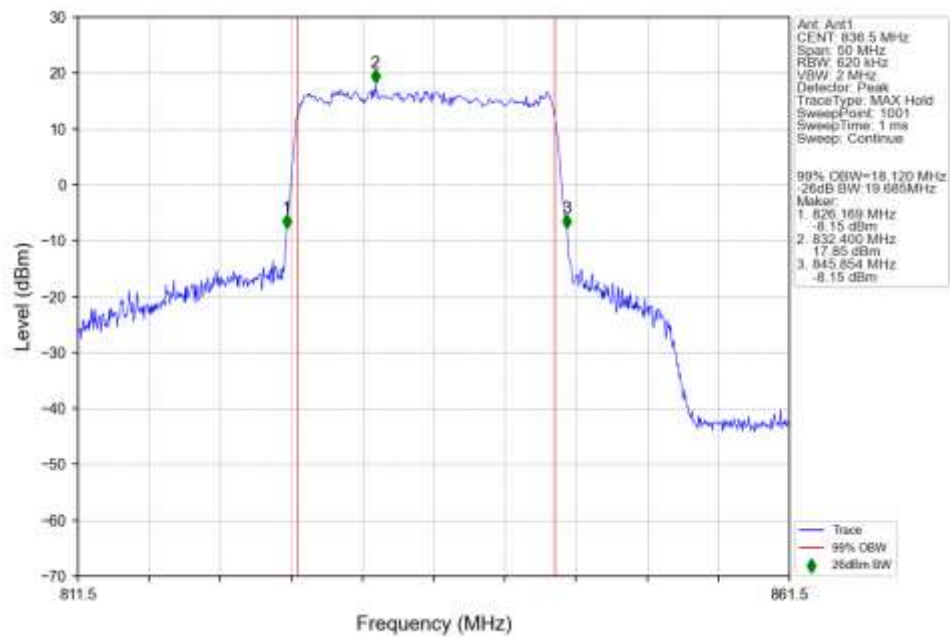
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_839MHz_Outer_Full_Ant1



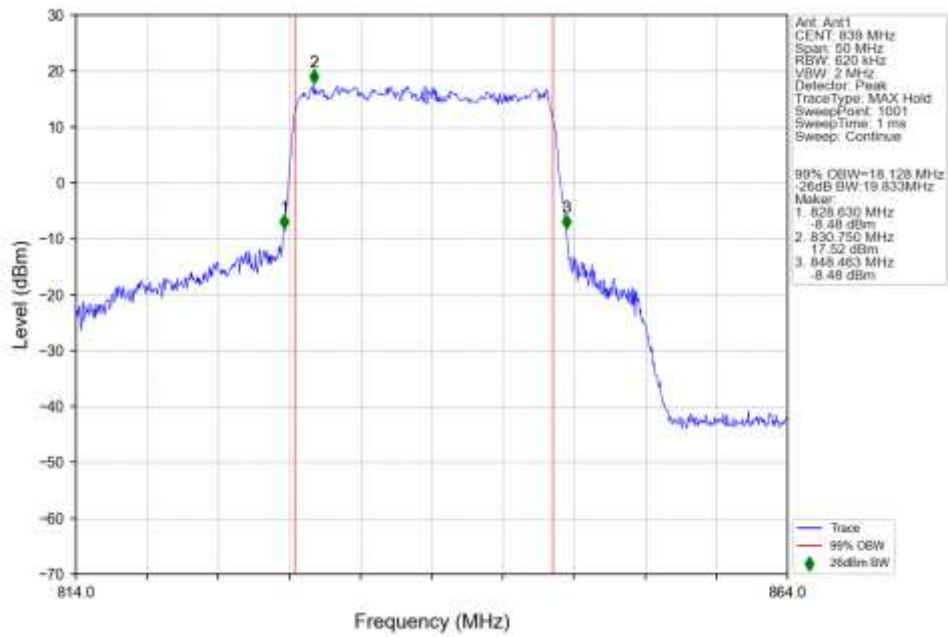
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 834MHz Outer Full Ant1



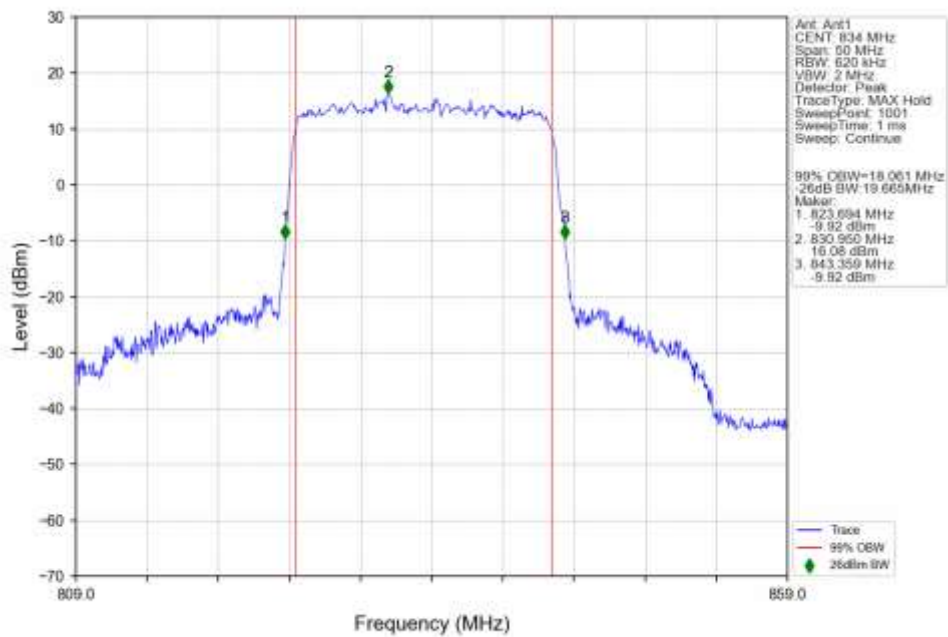
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



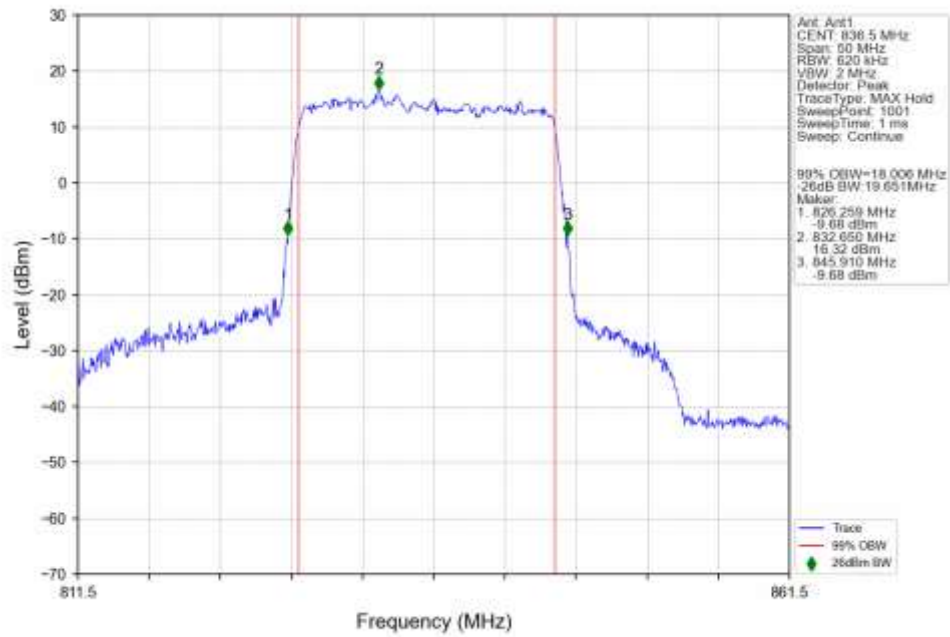
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_839MHz_Outer_Full_Ant1



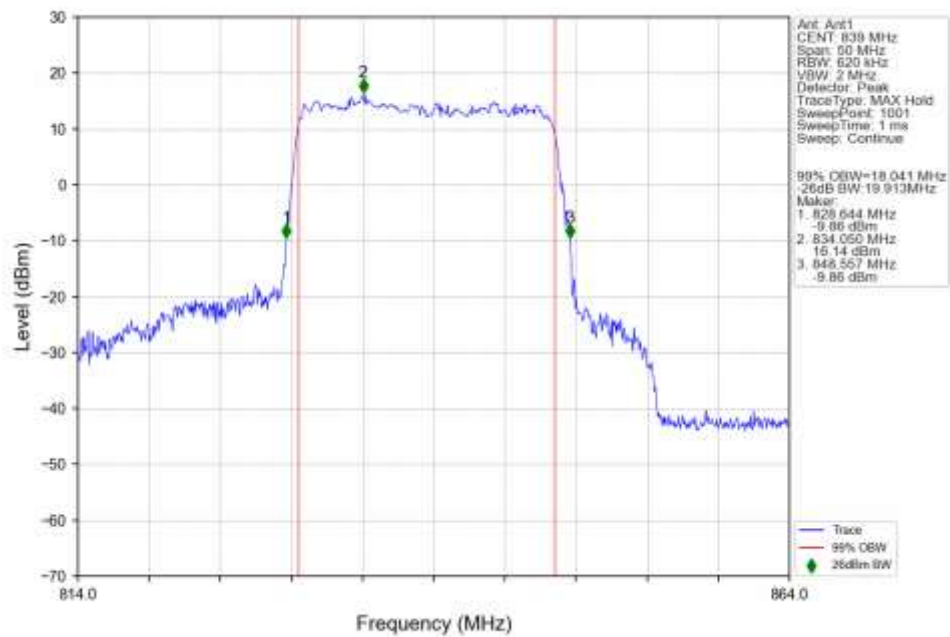
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_834MHz_Outer_Full_Ant1



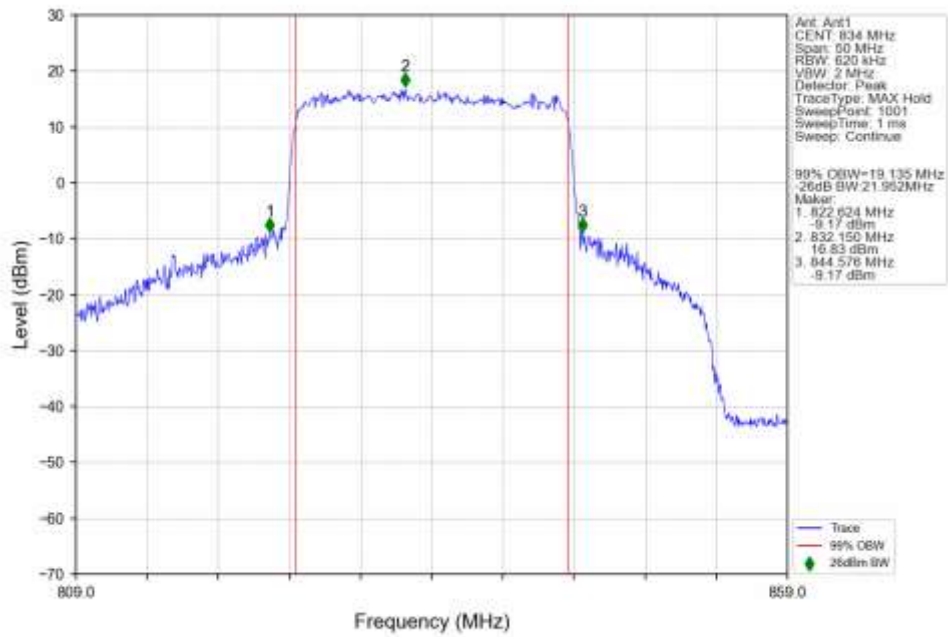
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



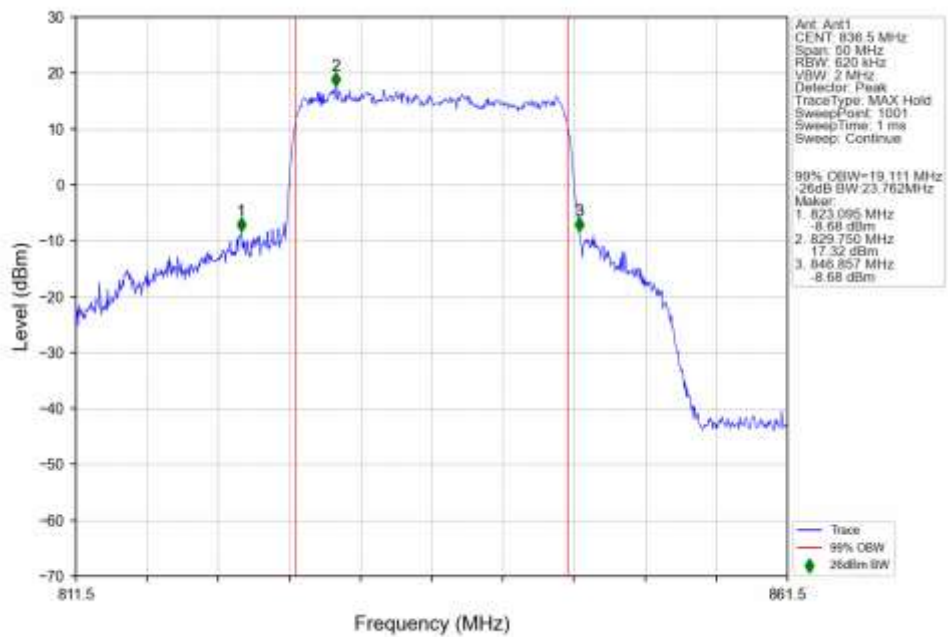
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_839MHz_Outer_Full_Ant1



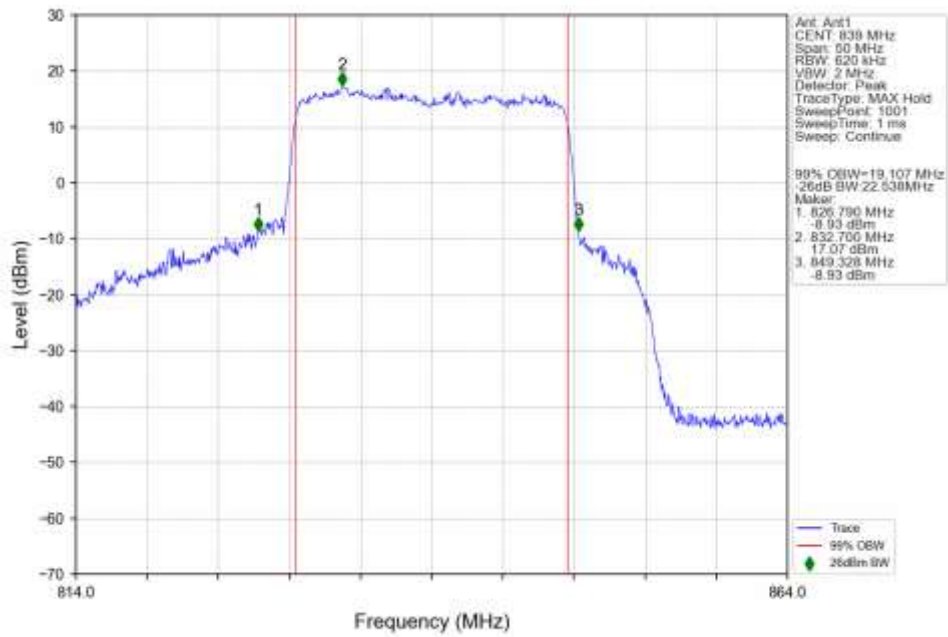
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full_Ant1



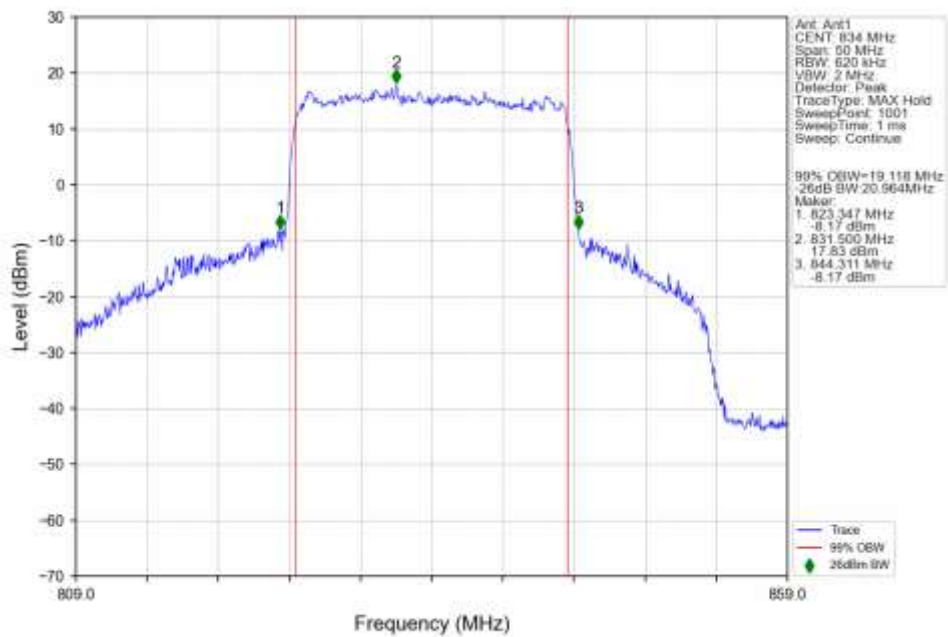
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



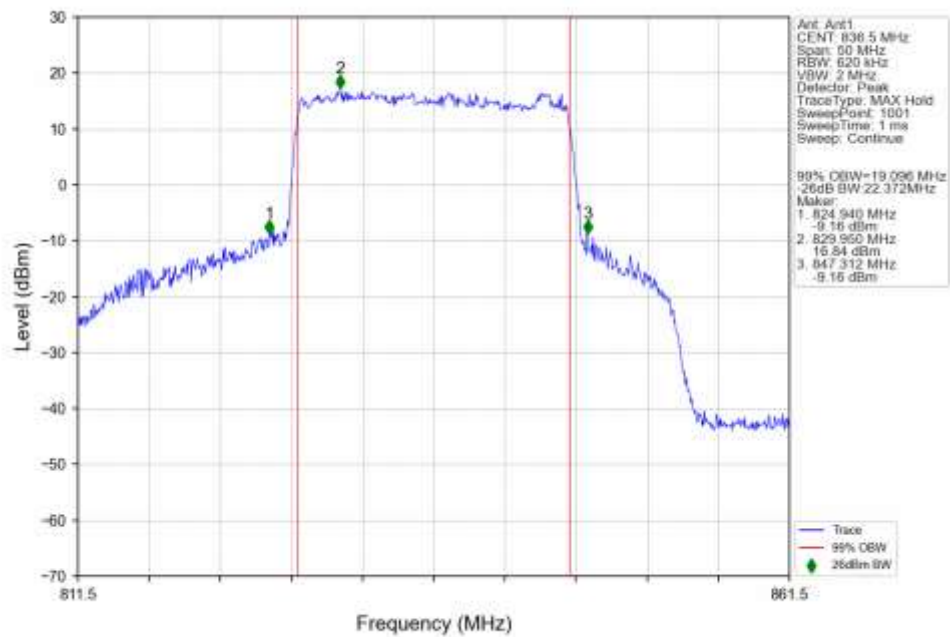
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_839MHz_Outer_Full_Ant1



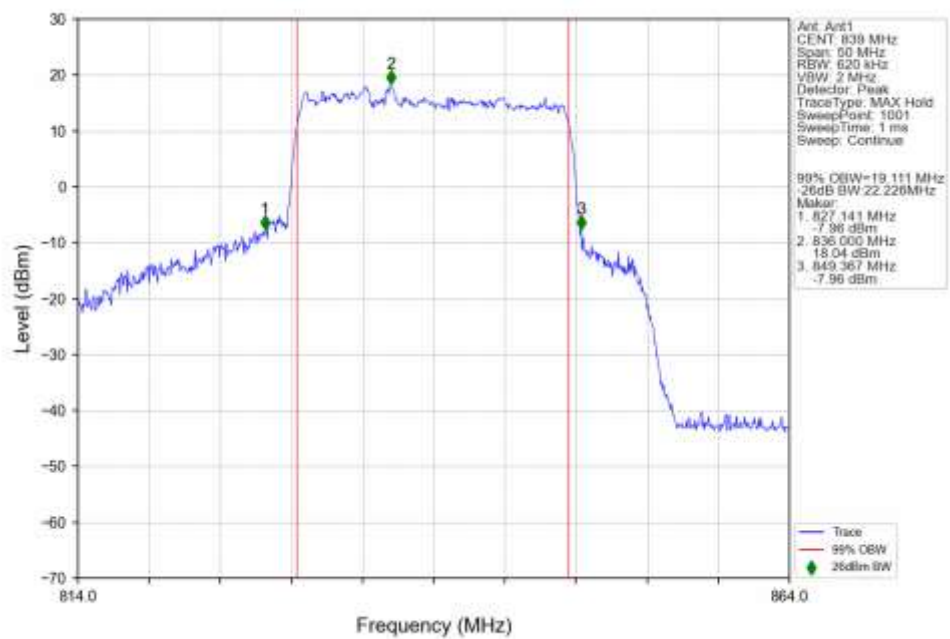
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_834MHz_Outer_Full_Ant1



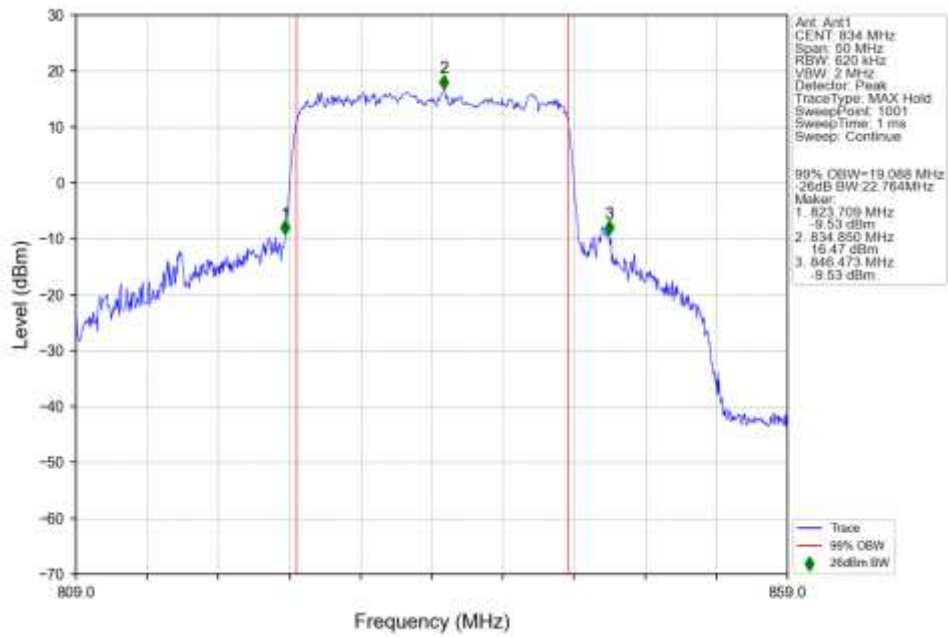
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



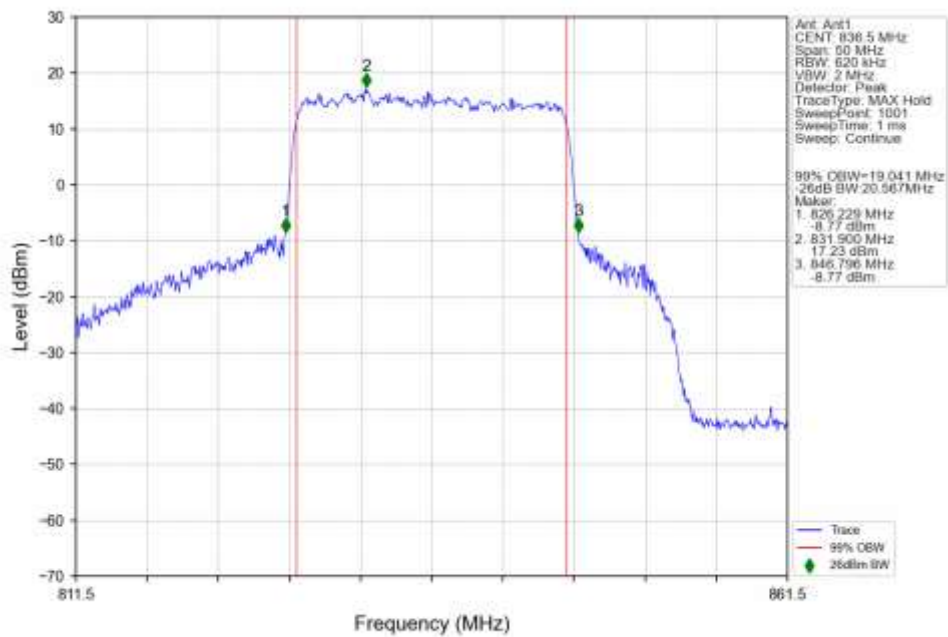
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_839MHz_Outer_Full_Ant1



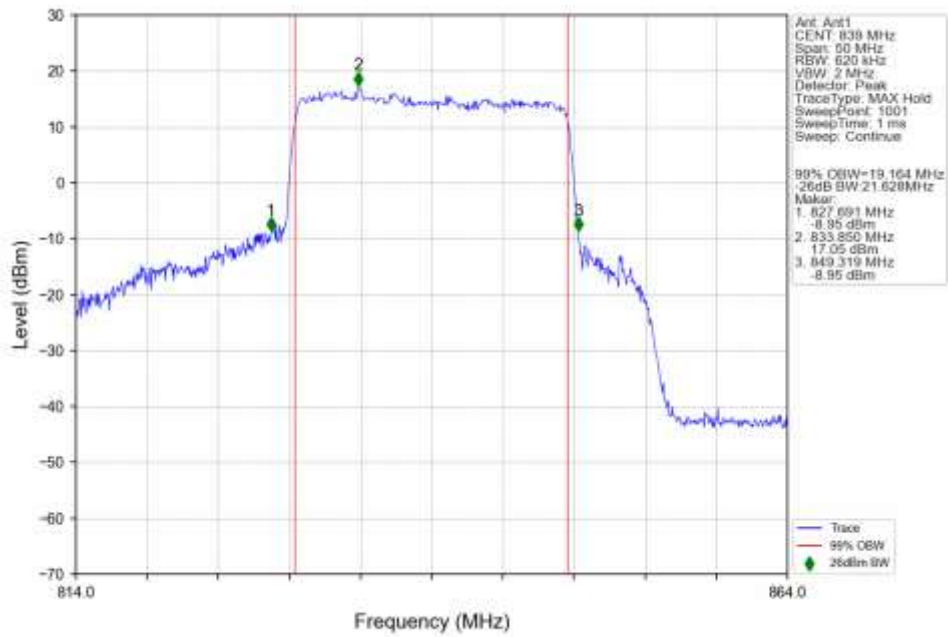
n5 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 834MHz Outer Full Ant1



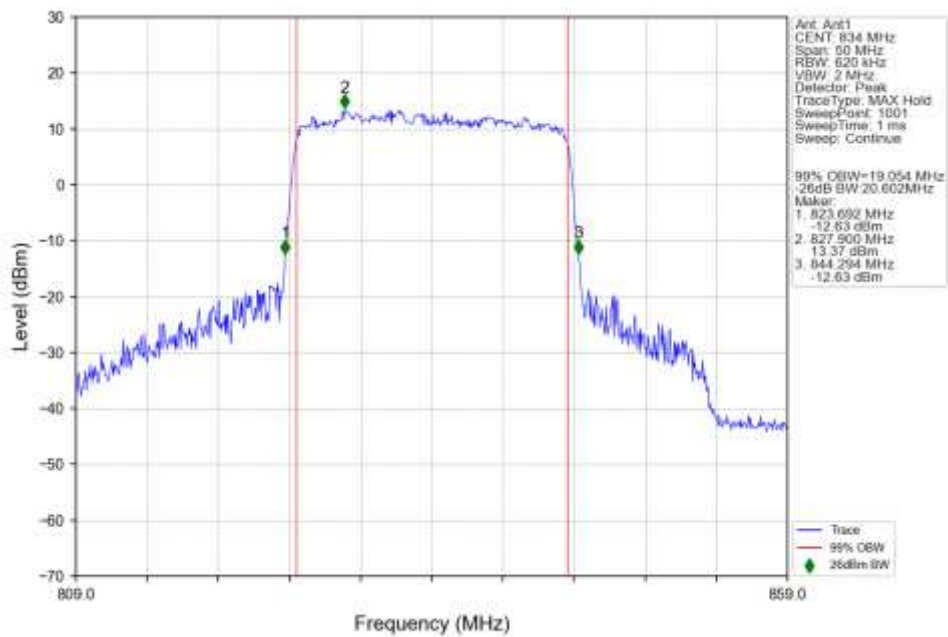
n5 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



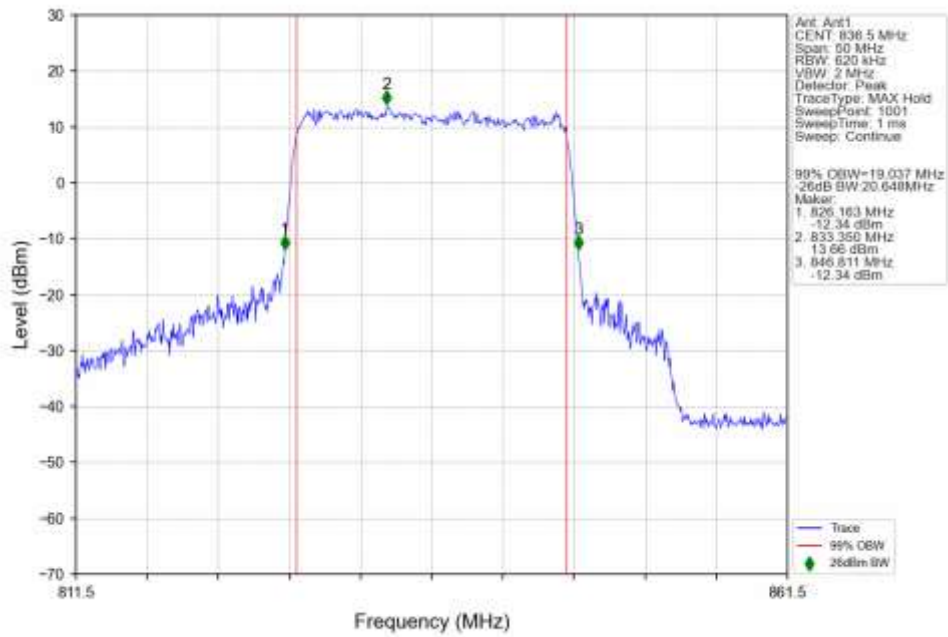
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_839MHz_Outer_Full_Ant1



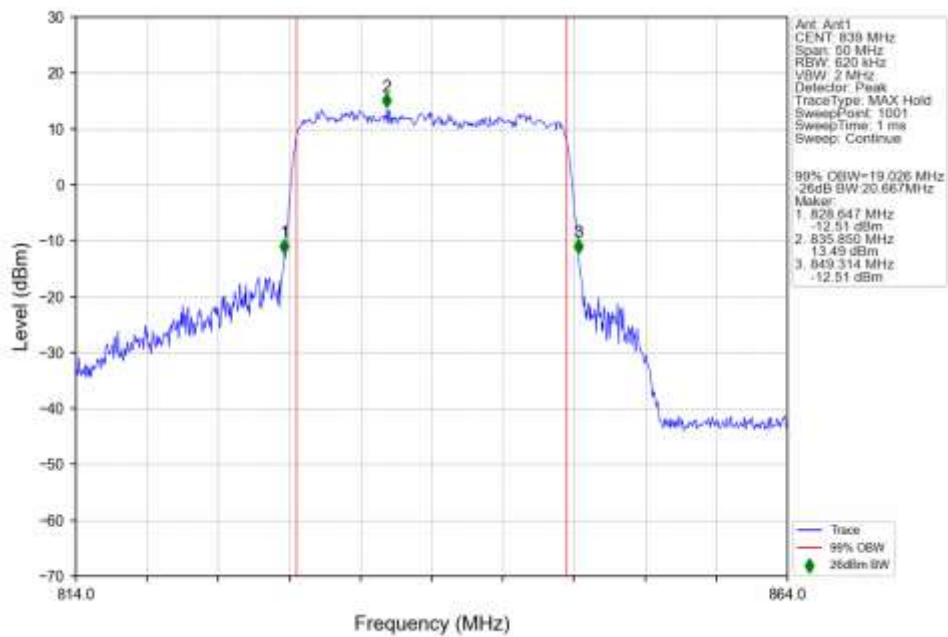
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_834MHz_Outer_Full_Ant1



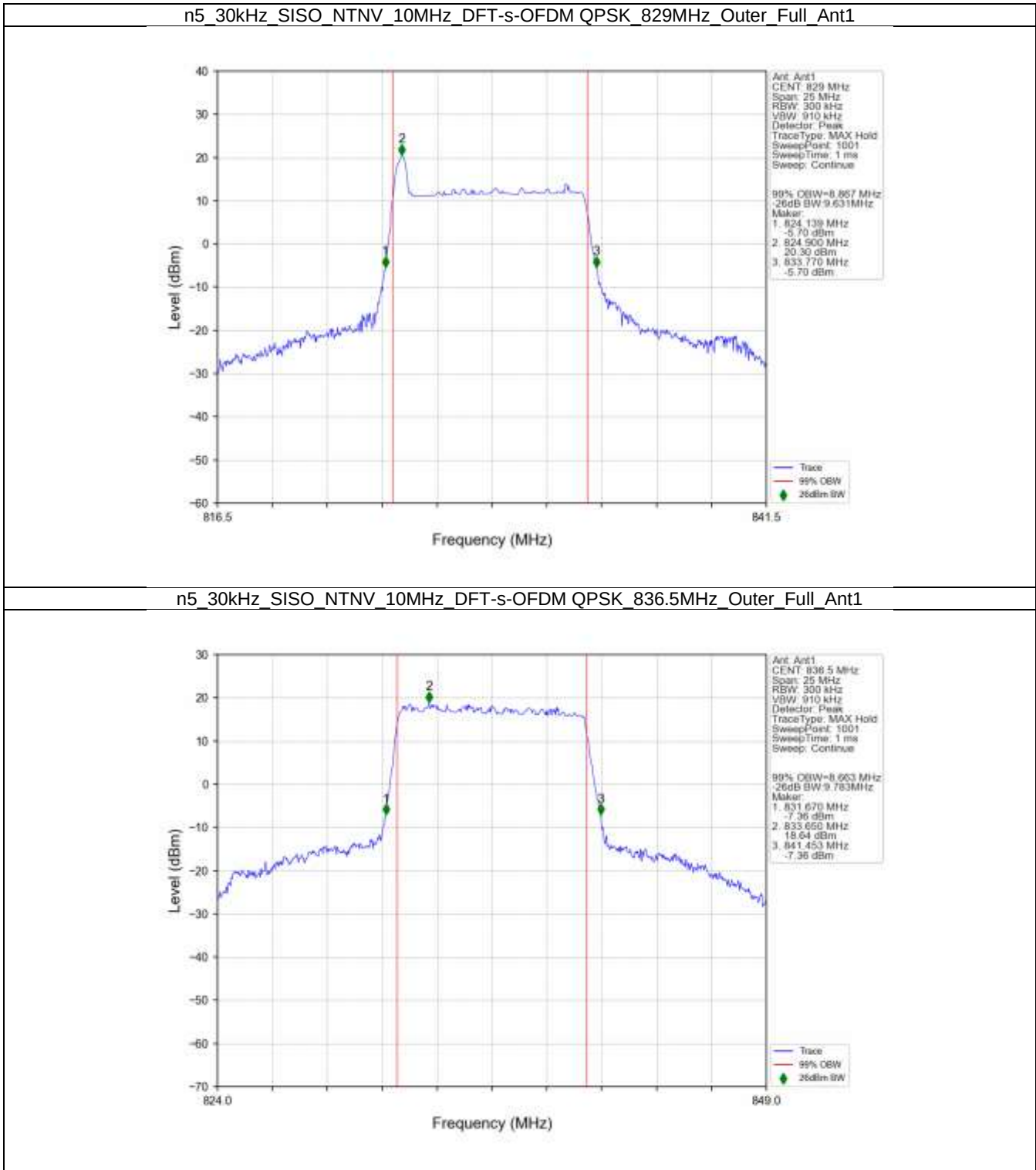
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



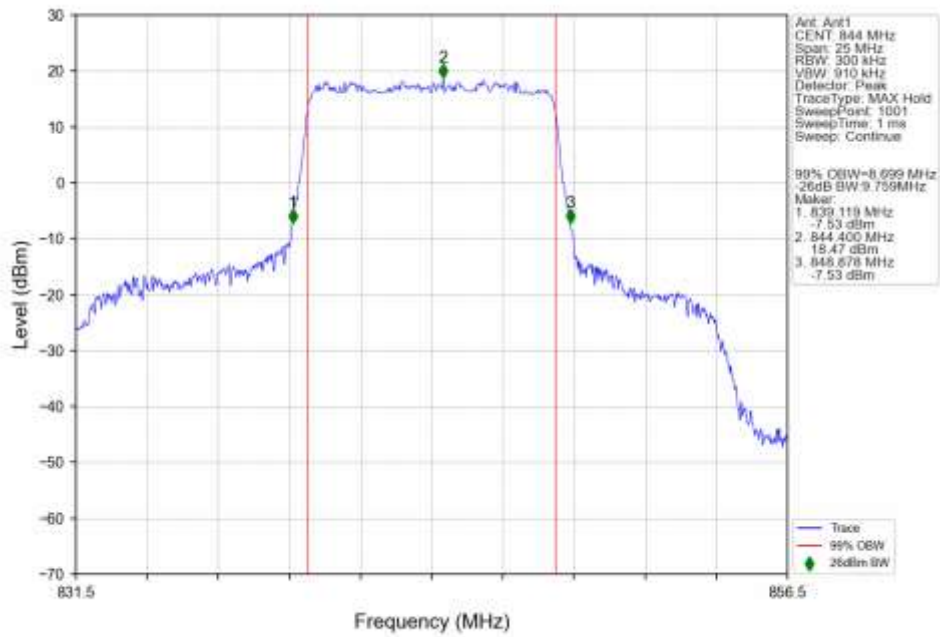
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_839MHz_Outer_Full_Ant1



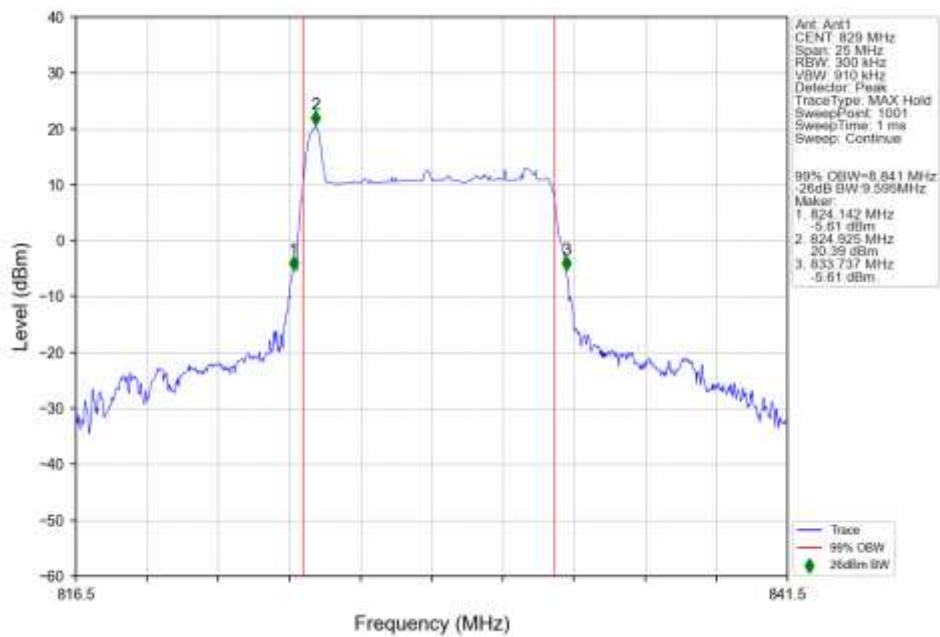
4.2.5 30k_SISO_10MHz_NTNV



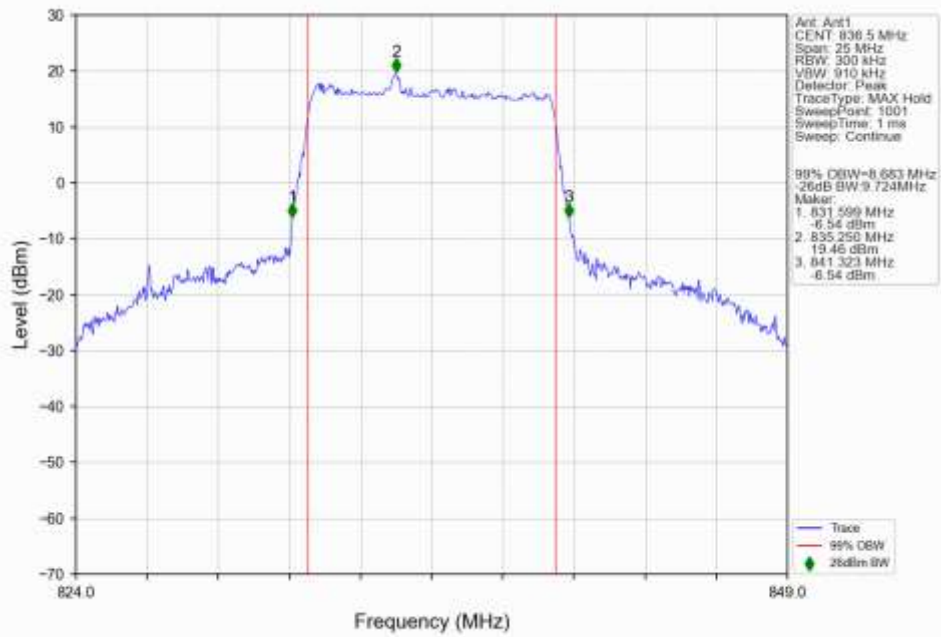
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant1



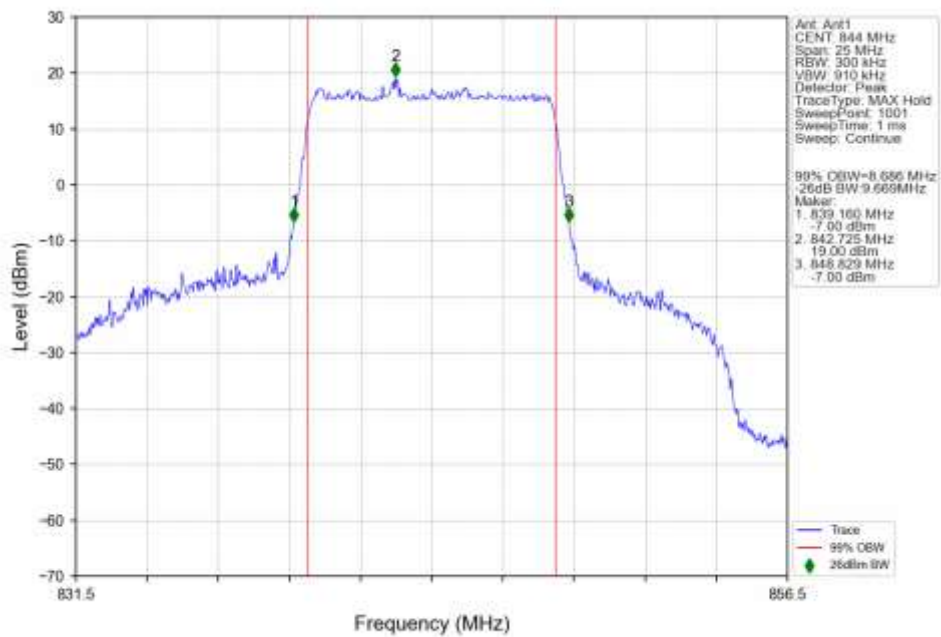
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_829MHz_Outer_Full_Ant1



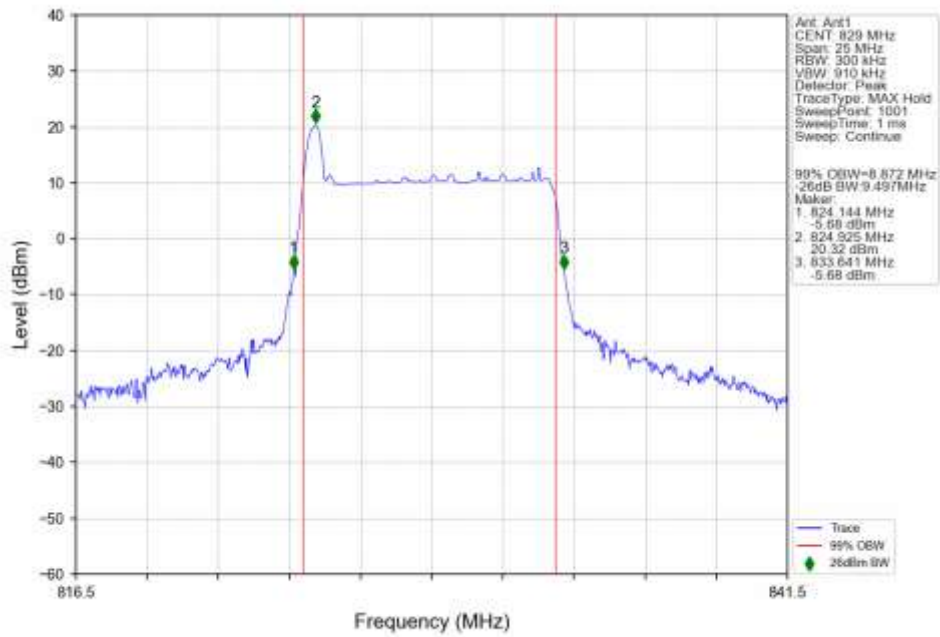
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



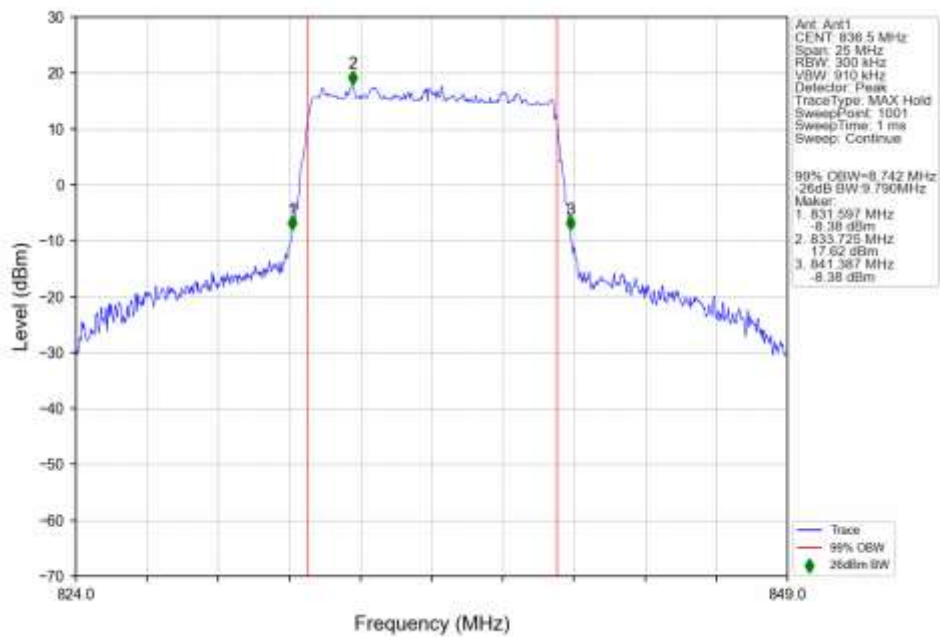
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 844MHz Outer Full Ant1



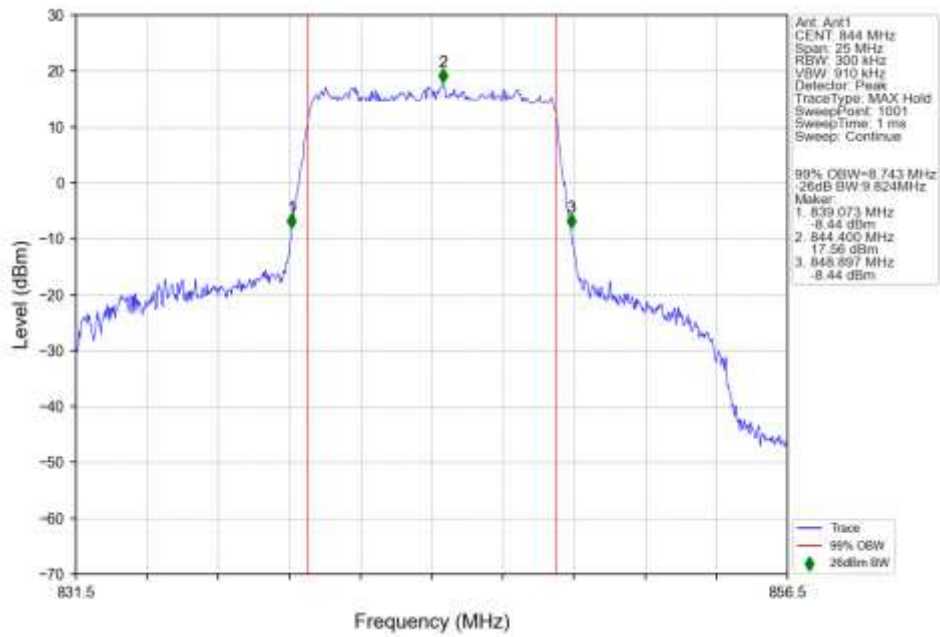
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 829MHz Outer Full Ant1



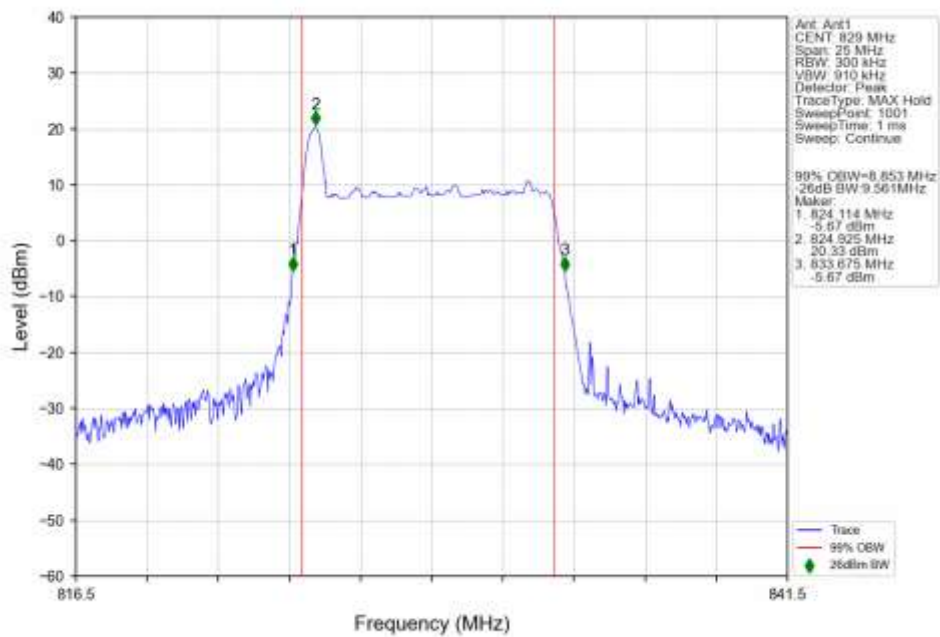
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



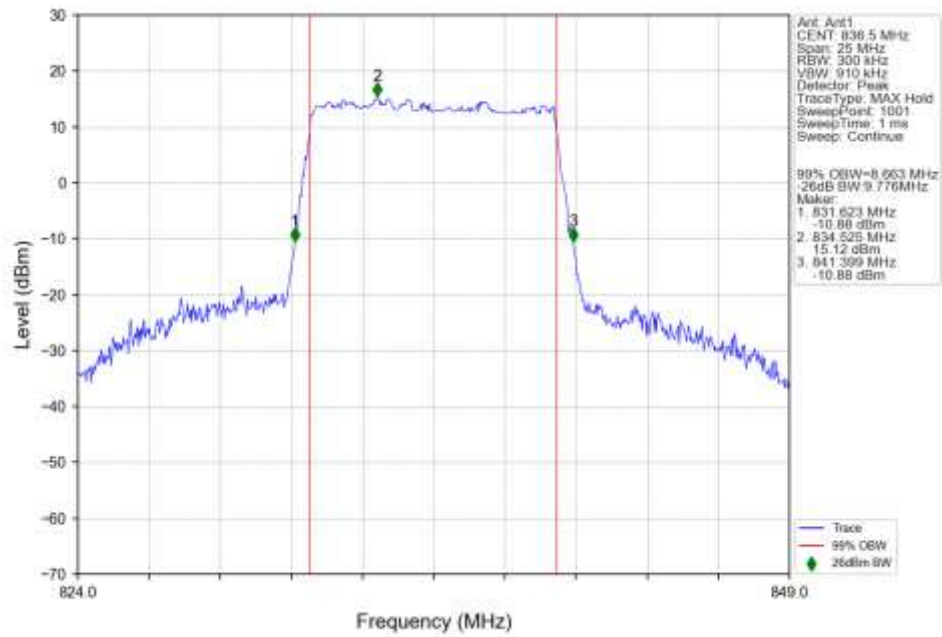
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_844MHz_Outer_Full_Ant1



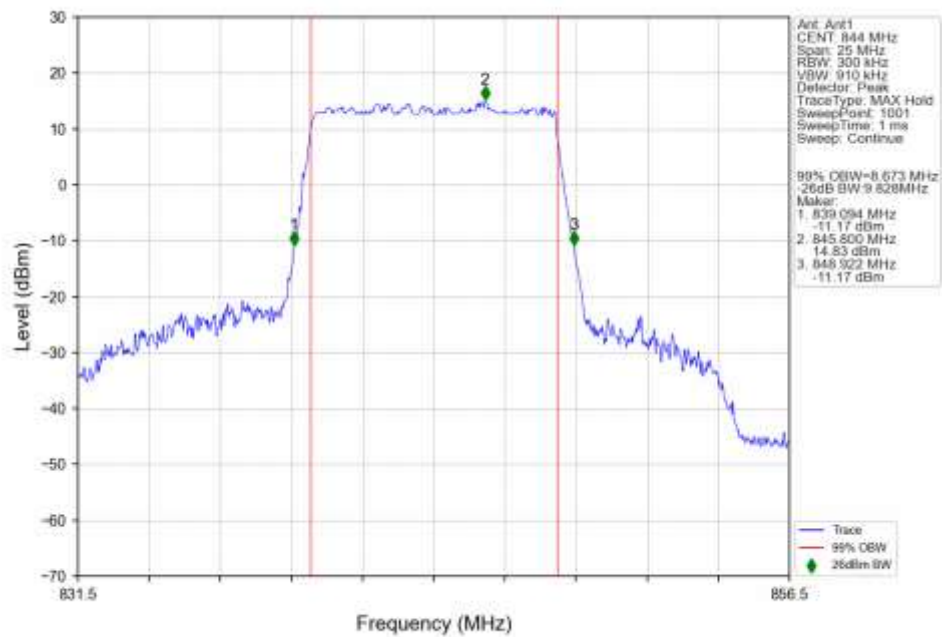
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_829MHz_Outer_Full_Ant1



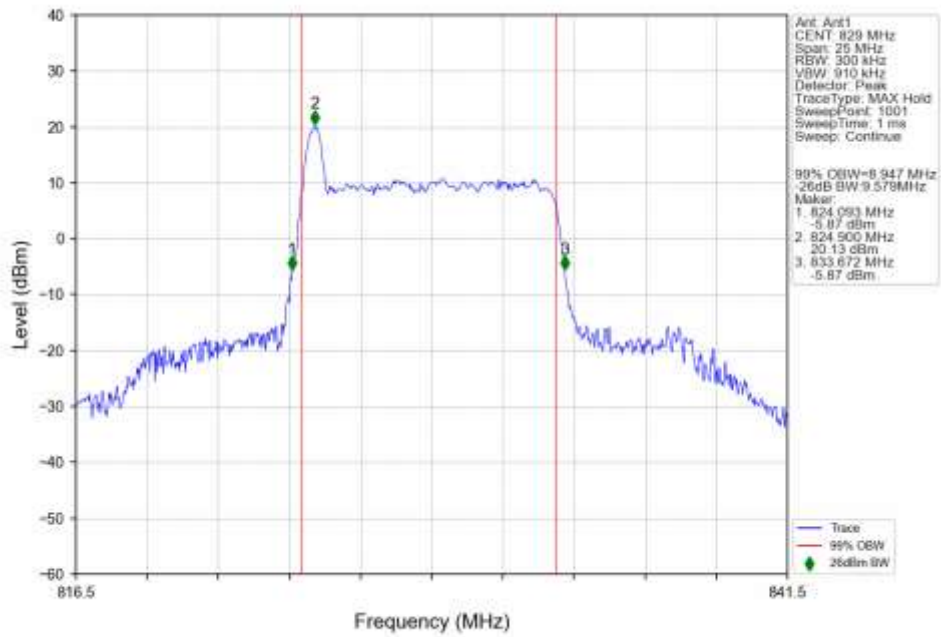
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



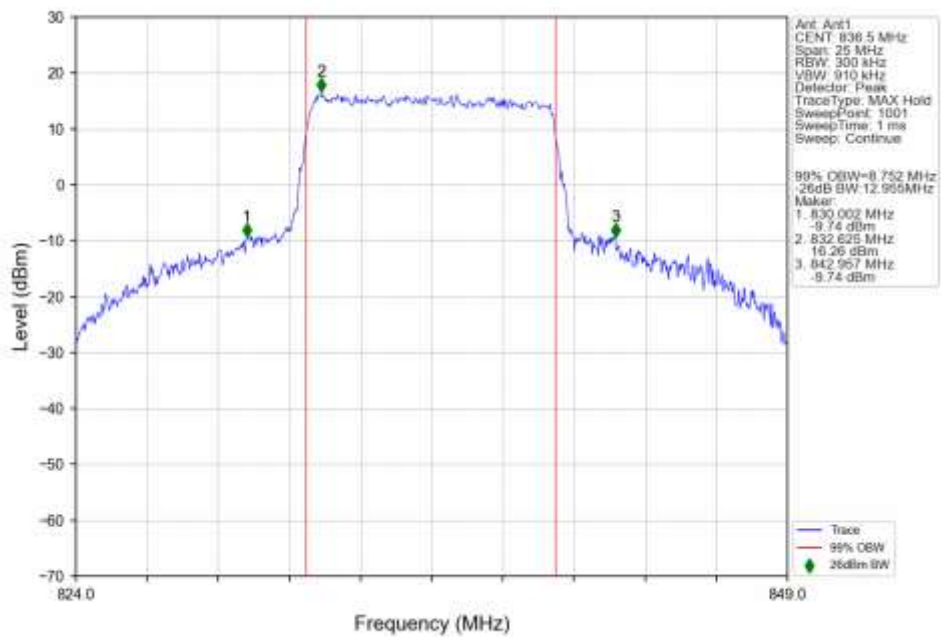
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_844MHz_Outer_Full_Ant1



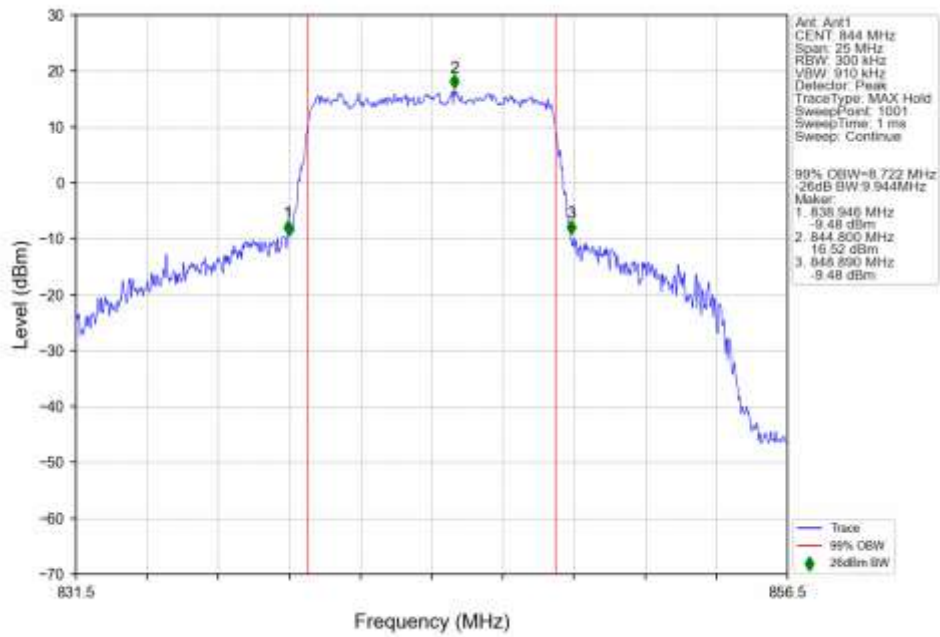
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_829MHz_Outer_Full_Ant1



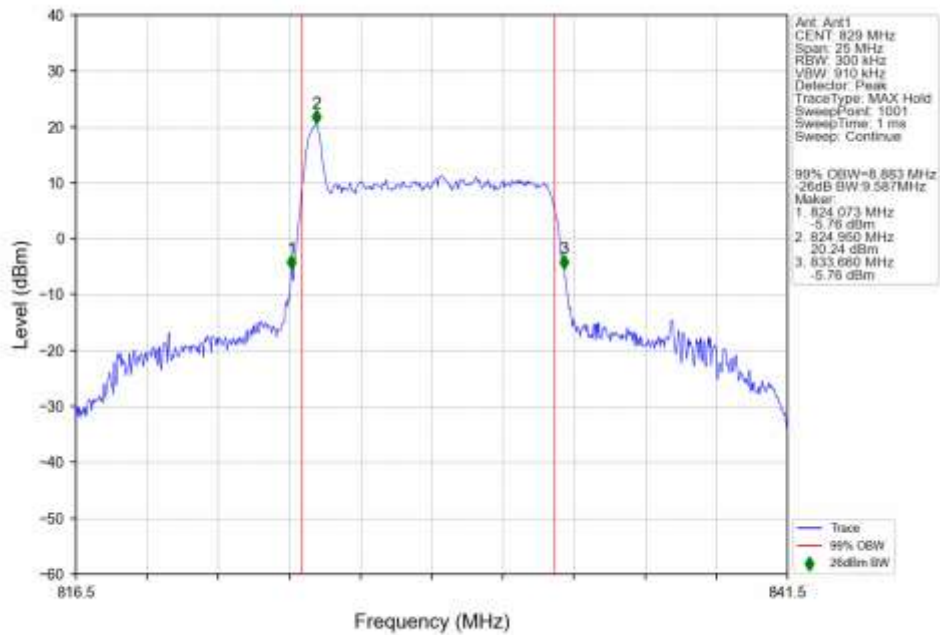
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



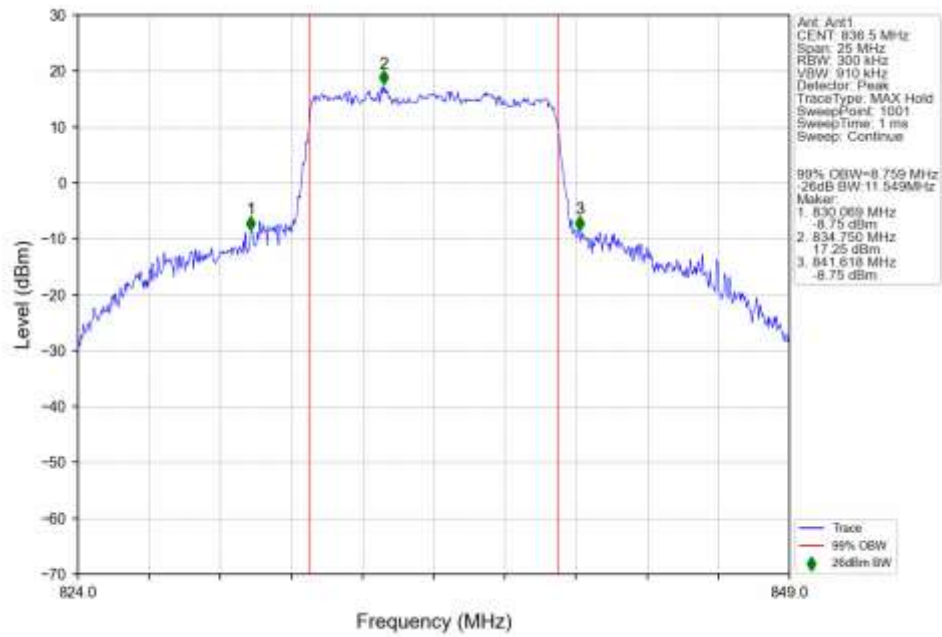
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_844MHz_Outer_Full_Ant1



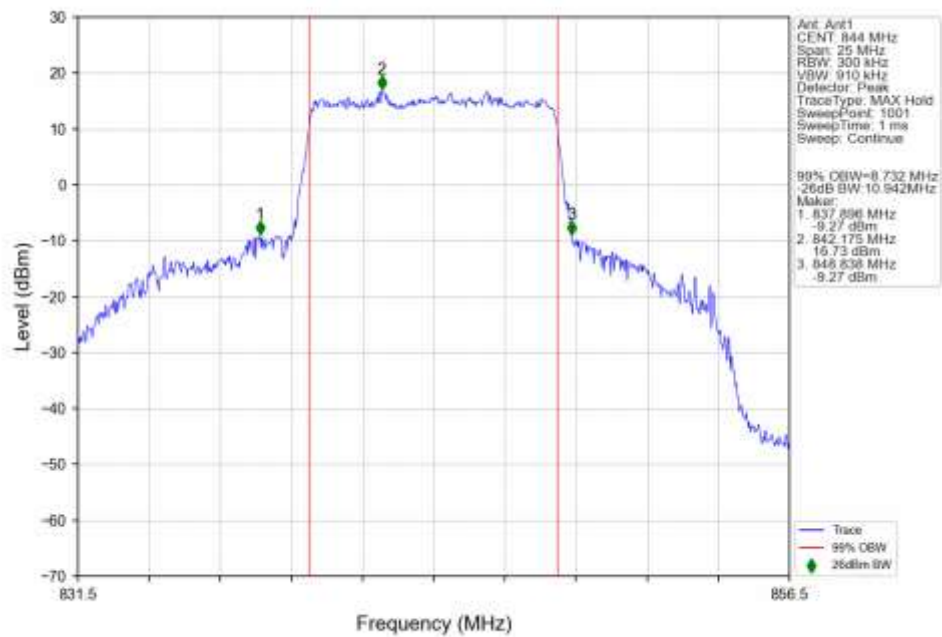
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_829MHz_Outer_Full_Ant1



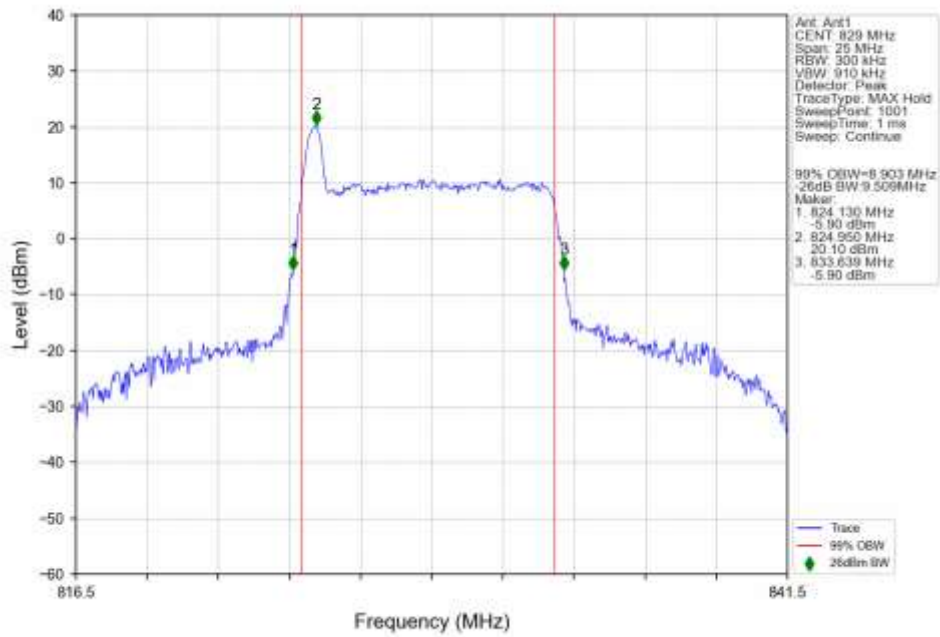
n5 30kHz SISO NTN 10MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1



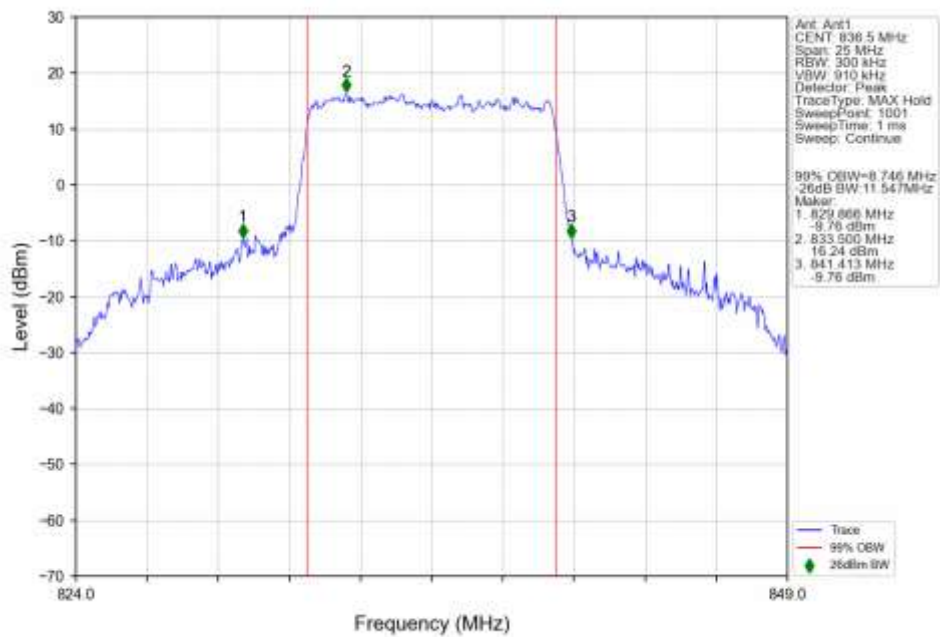
n5 30kHz SISO NTN 10MHz CP-OFDM 16 QAM 844MHz Outer Full Ant1



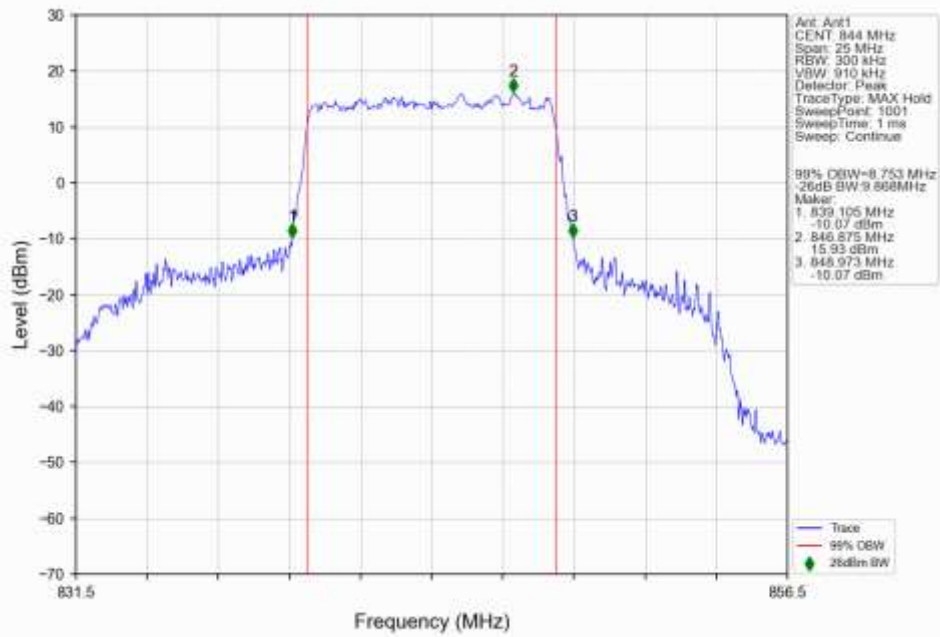
n5 30kHz SISO NTN 10MHz CP-OFDM 64 QAM 829MHz Outer Full Ant1



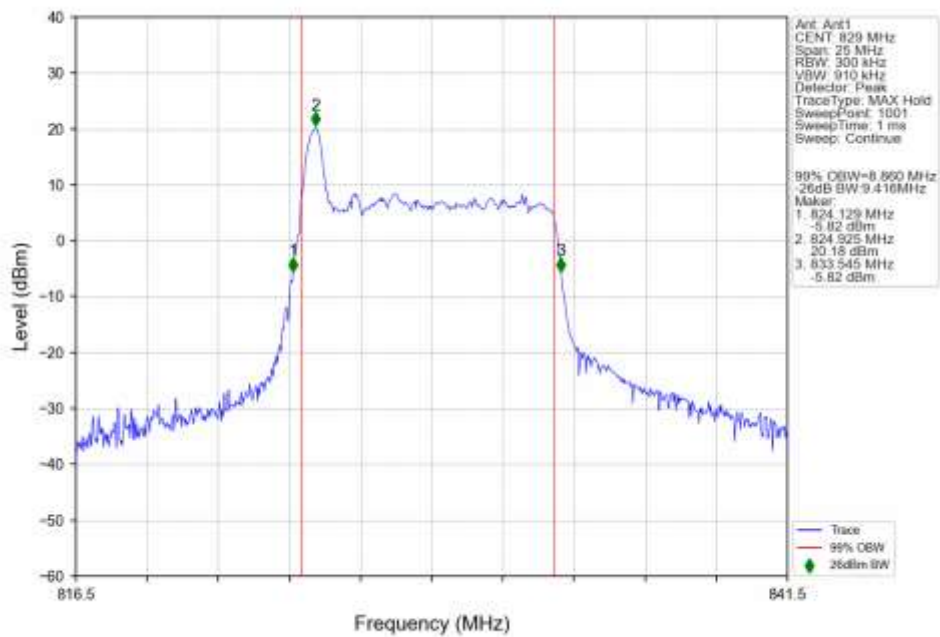
n5 30kHz SISO NTN 10MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



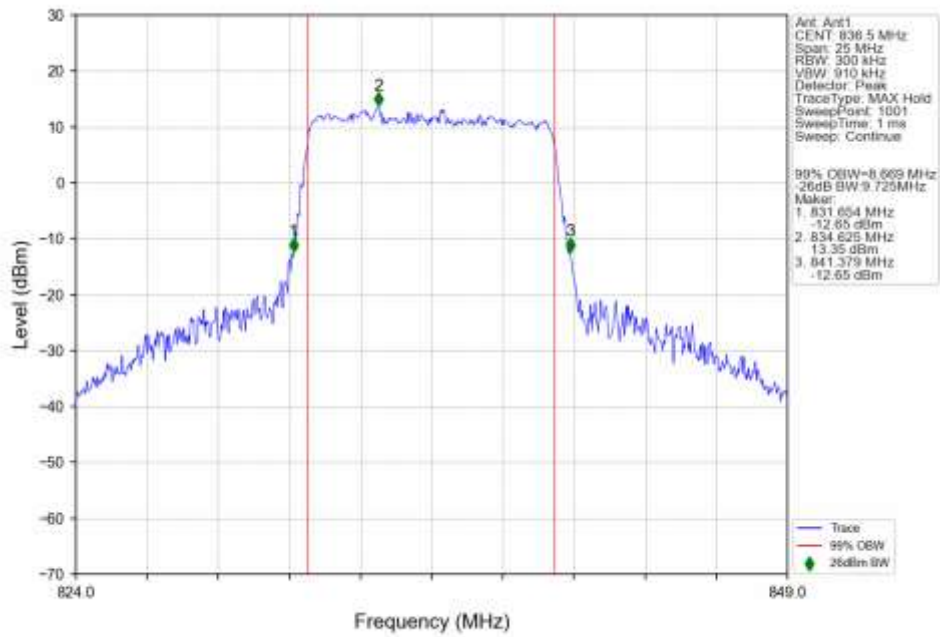
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_844MHz_Outer_Full_Ant1



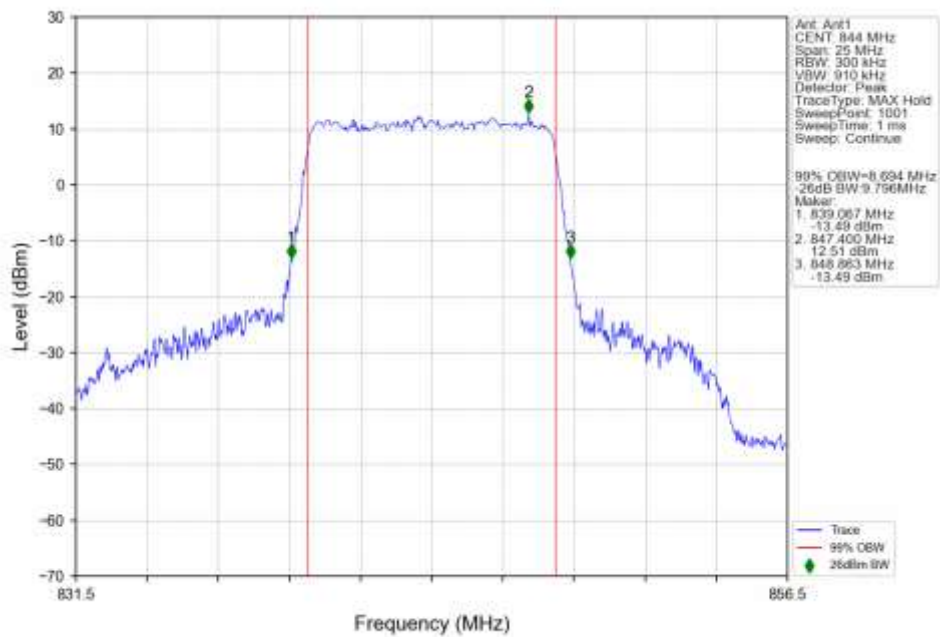
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full_Ant1



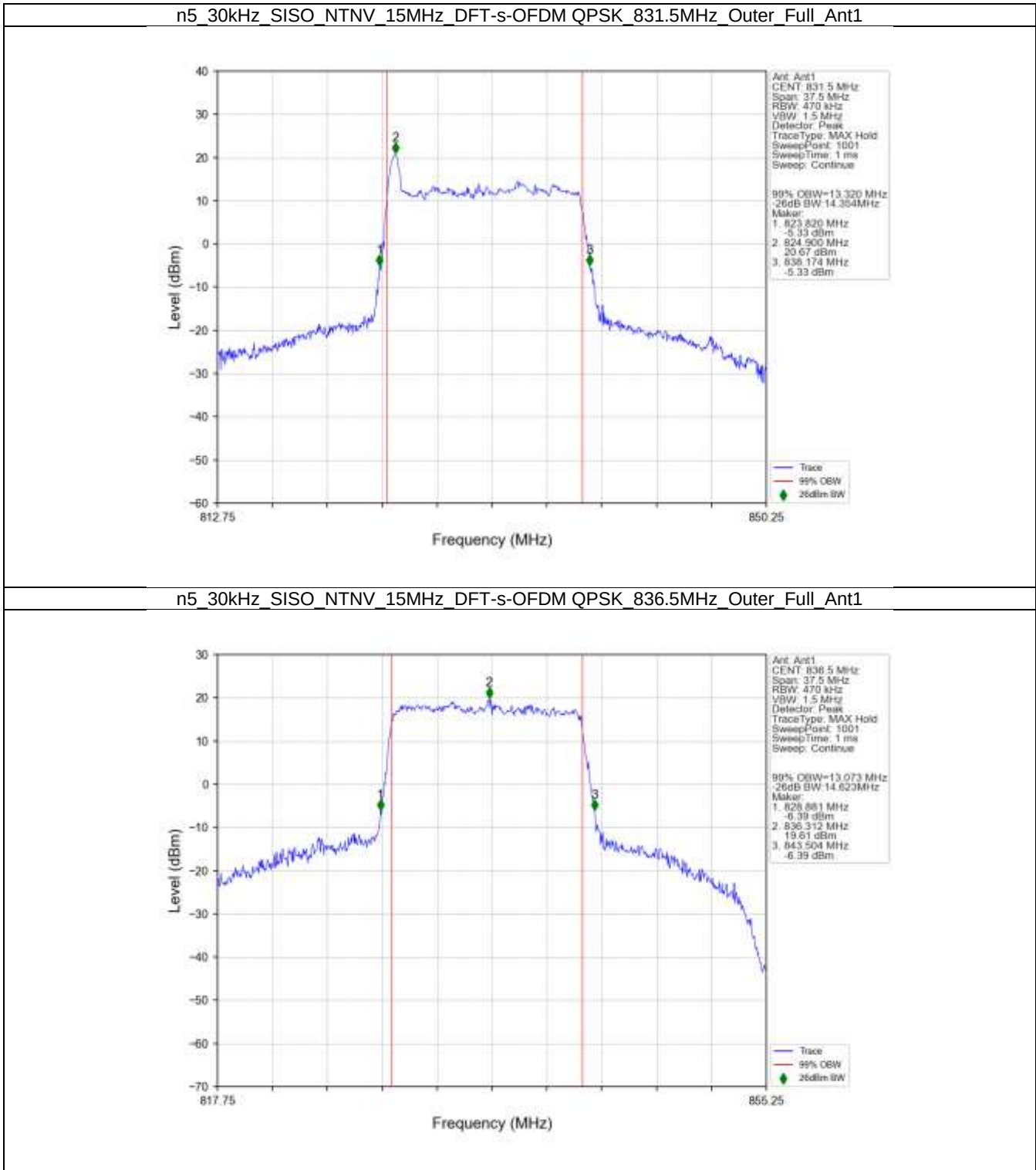
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



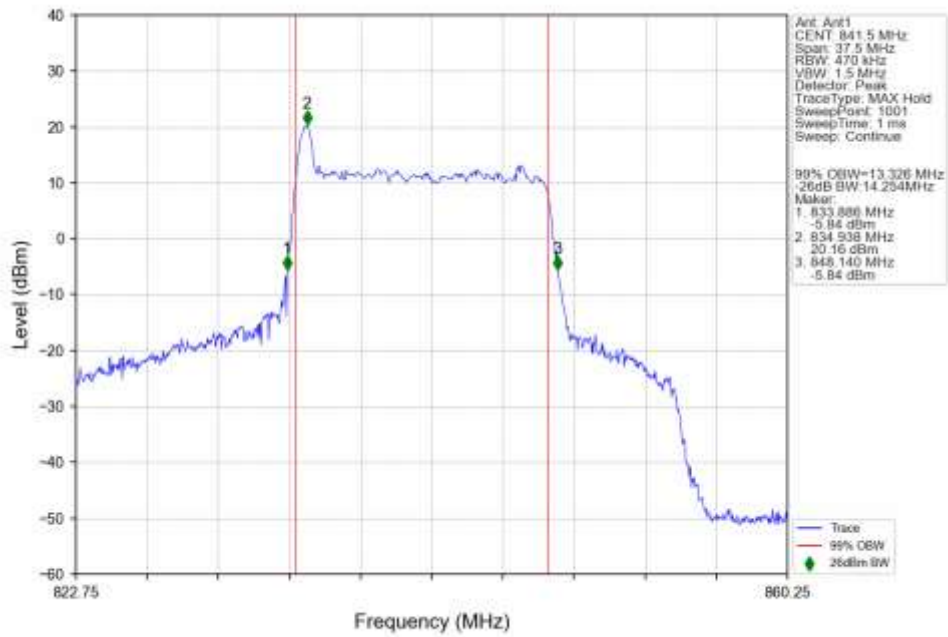
n5_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_844MHz_Outer_Full_Ant1



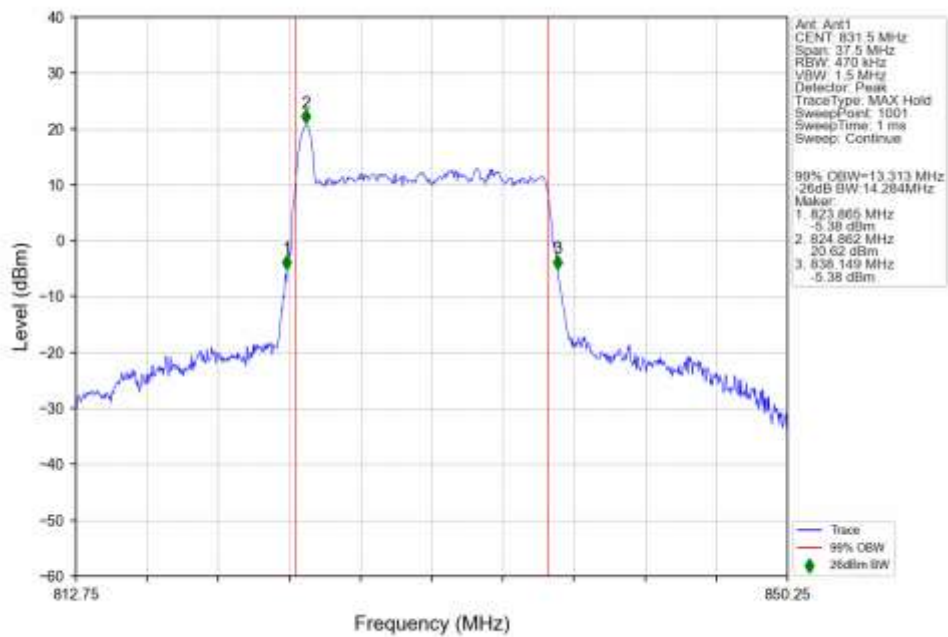
4.2.6 30k_SISO_15MHz_NTNV



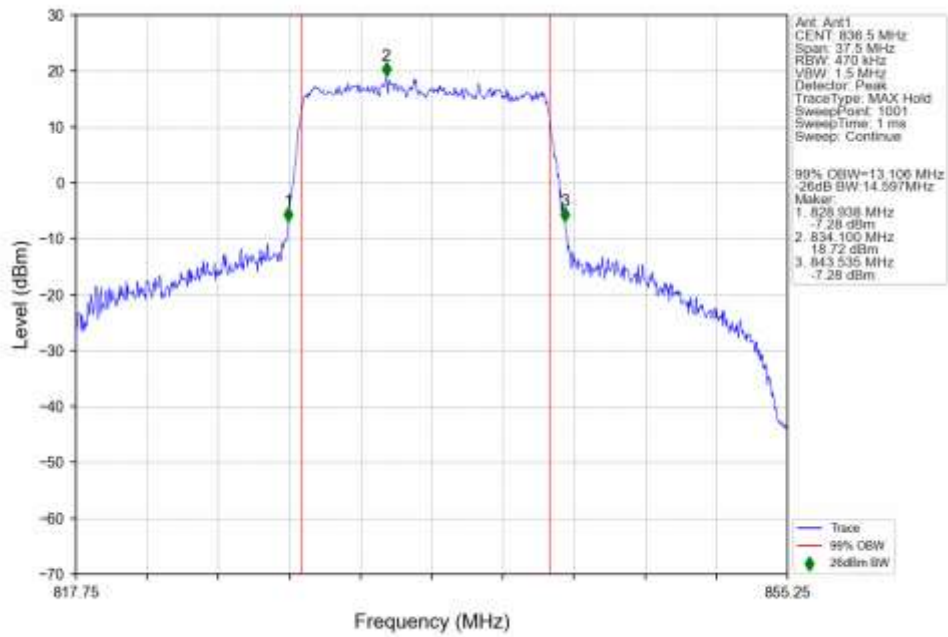
n5 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



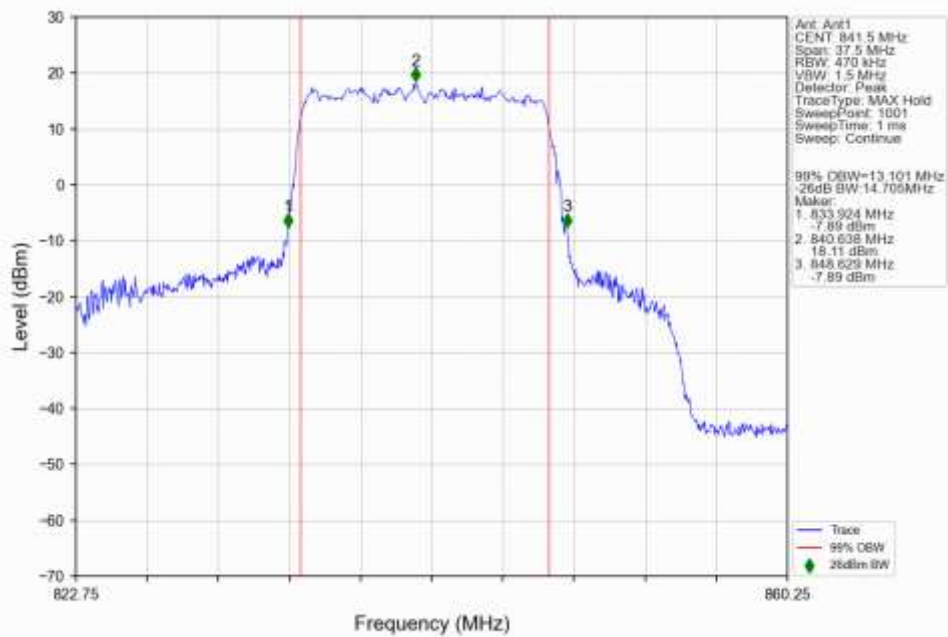
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



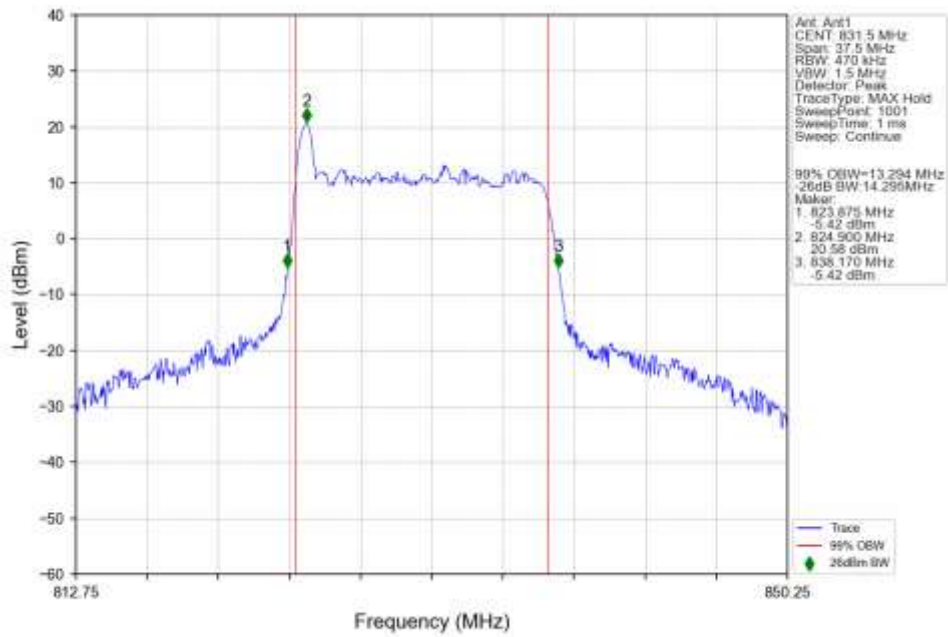
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



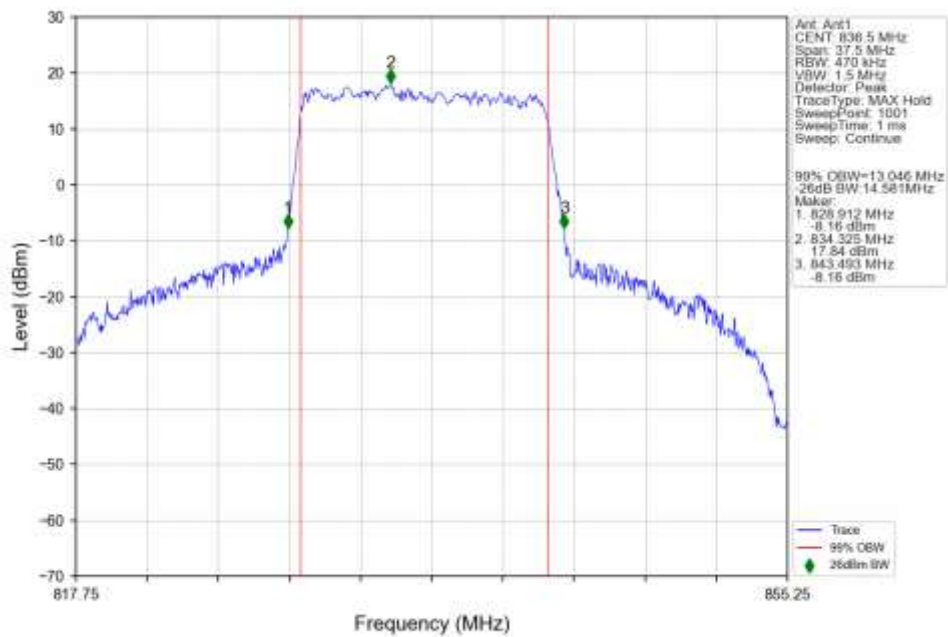
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full Ant1



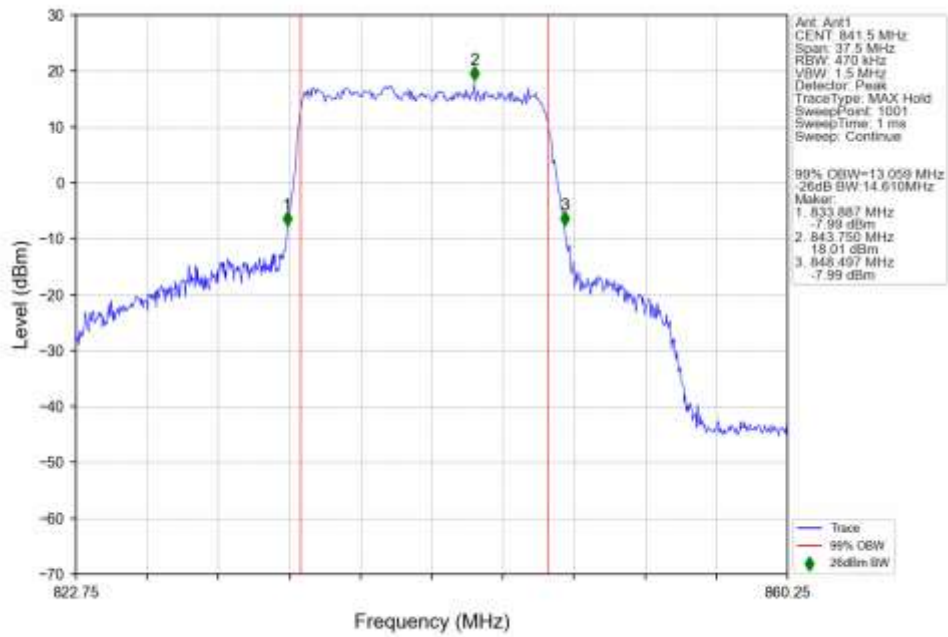
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1



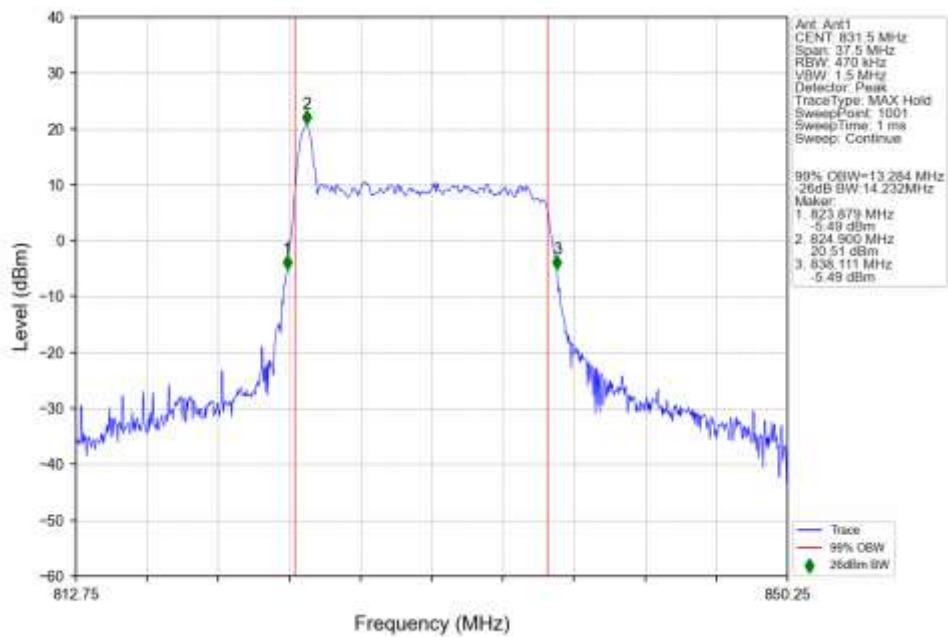
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



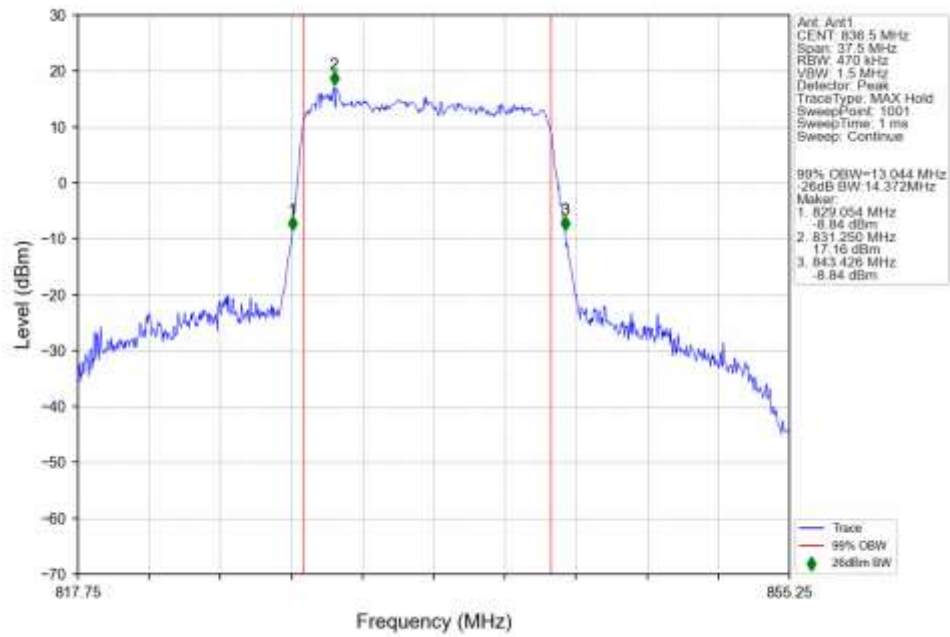
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full Ant1



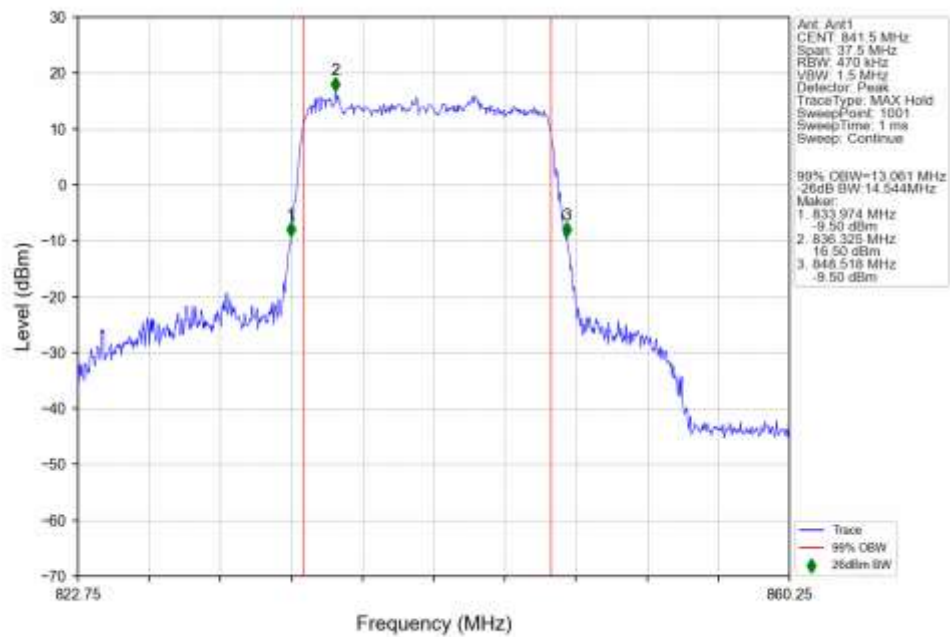
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 831.5MHz Outer Full Ant1



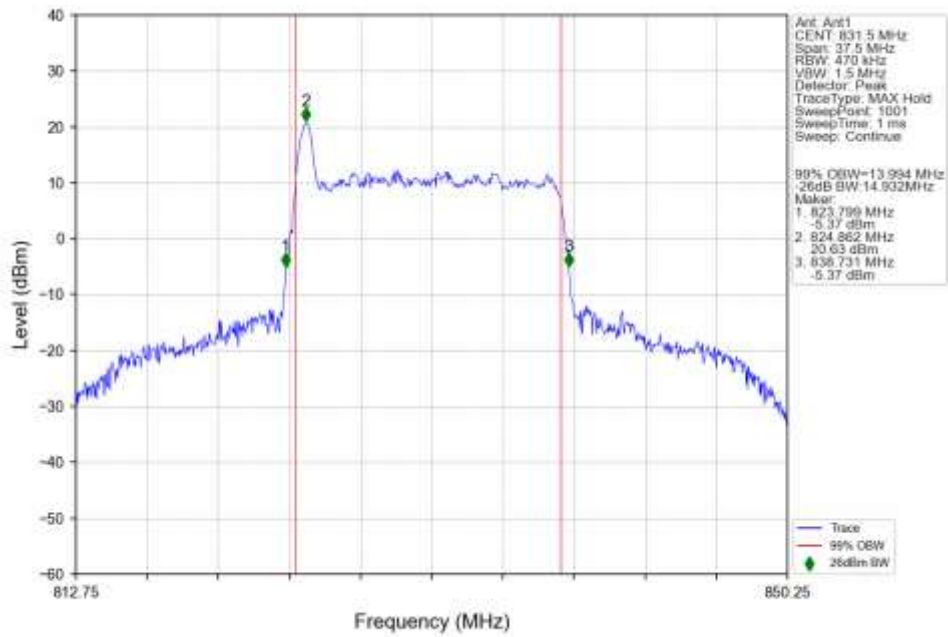
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



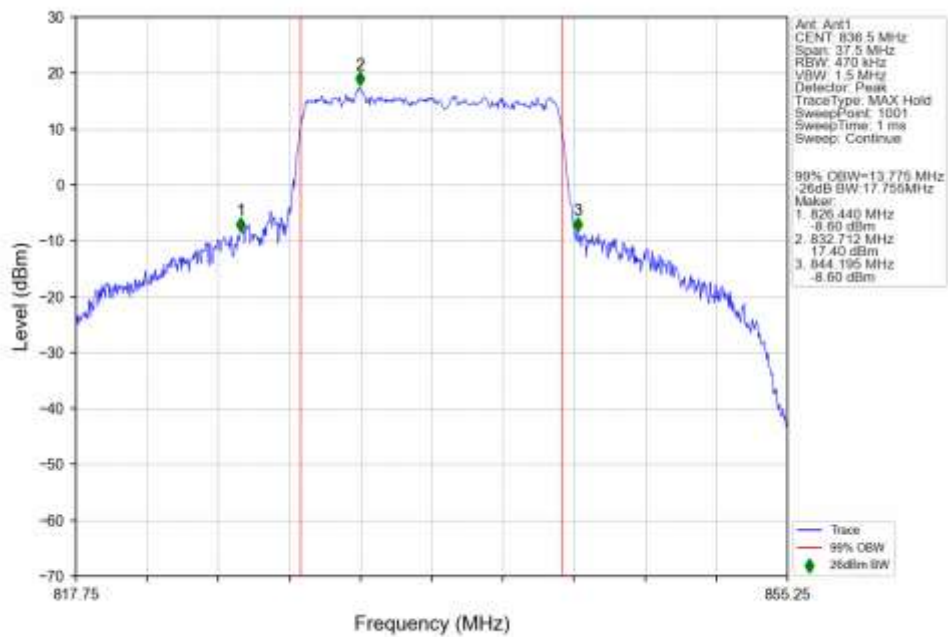
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full Ant1



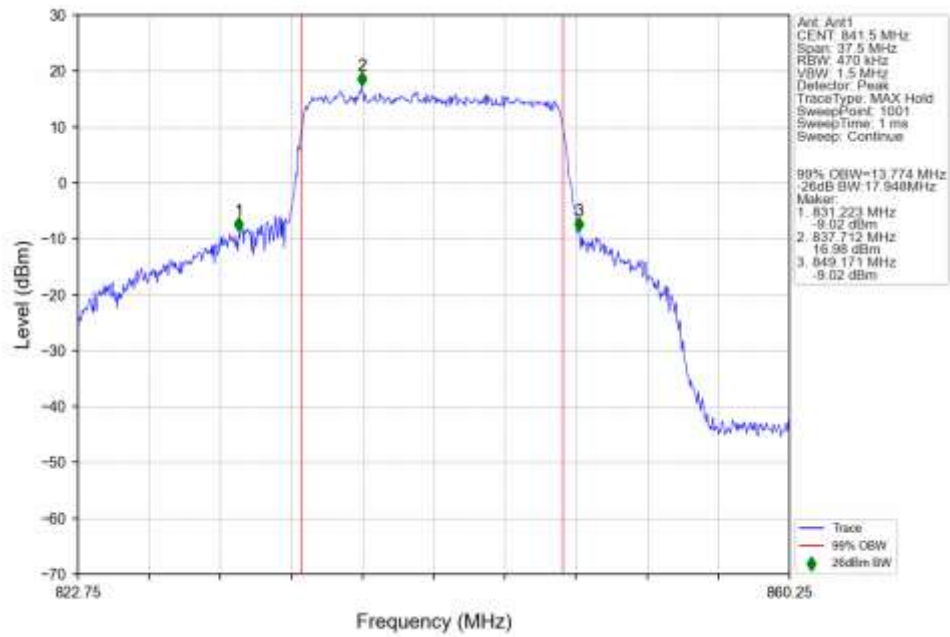
n5 30kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full Ant1



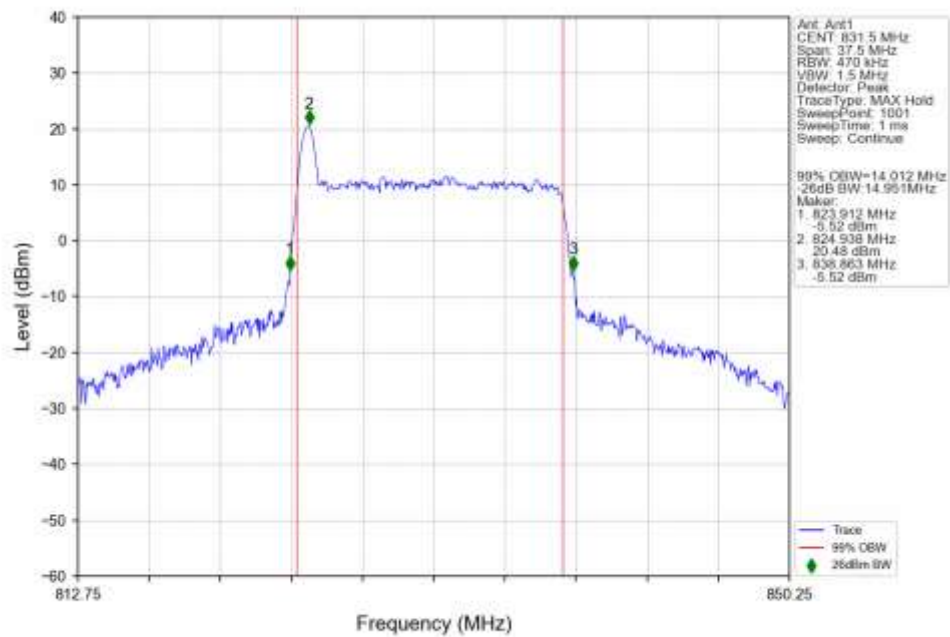
n5 30kHz SISO NTN 15MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1



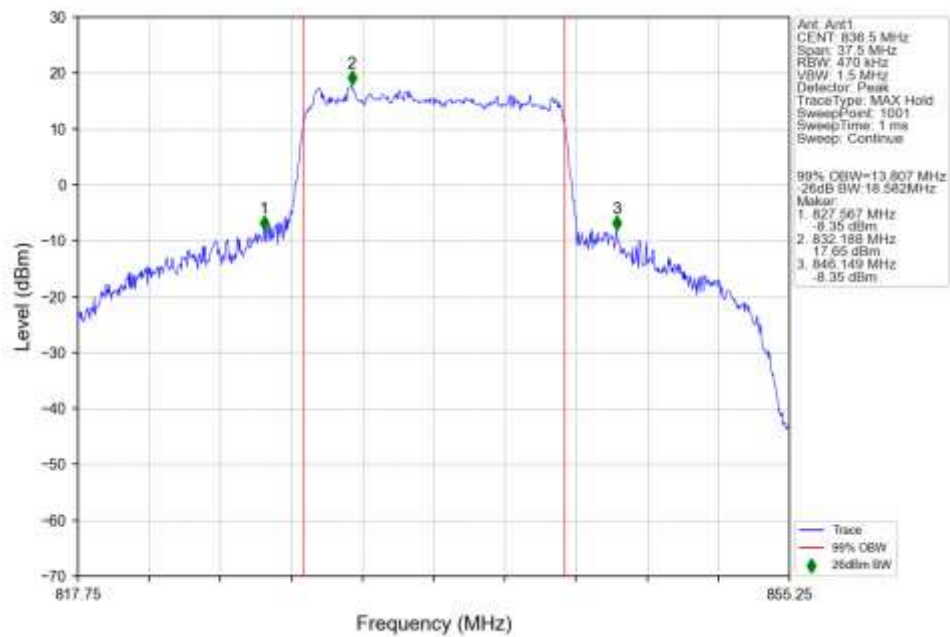
n5 30kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full Ant1



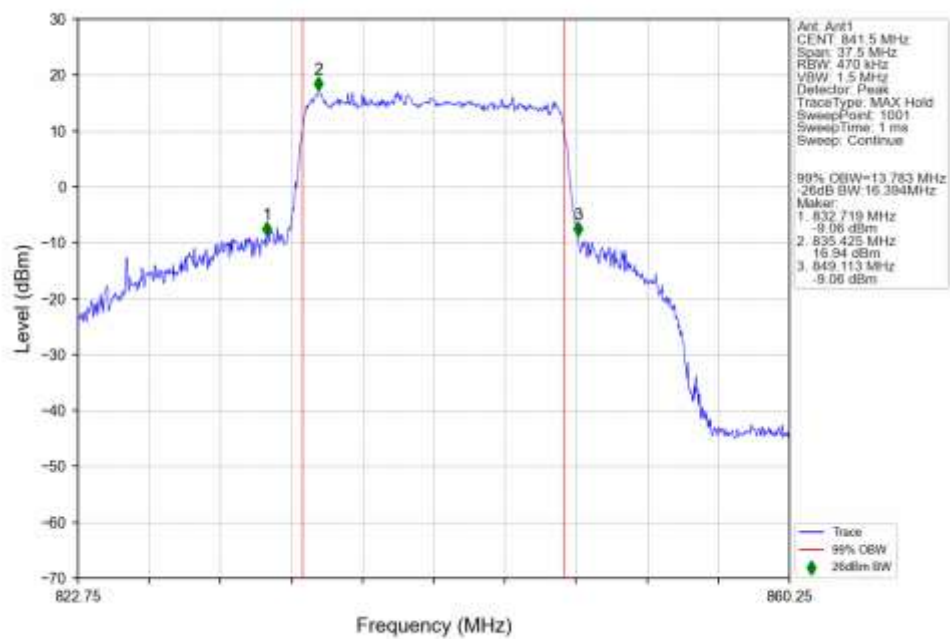
n5 30kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full Ant1



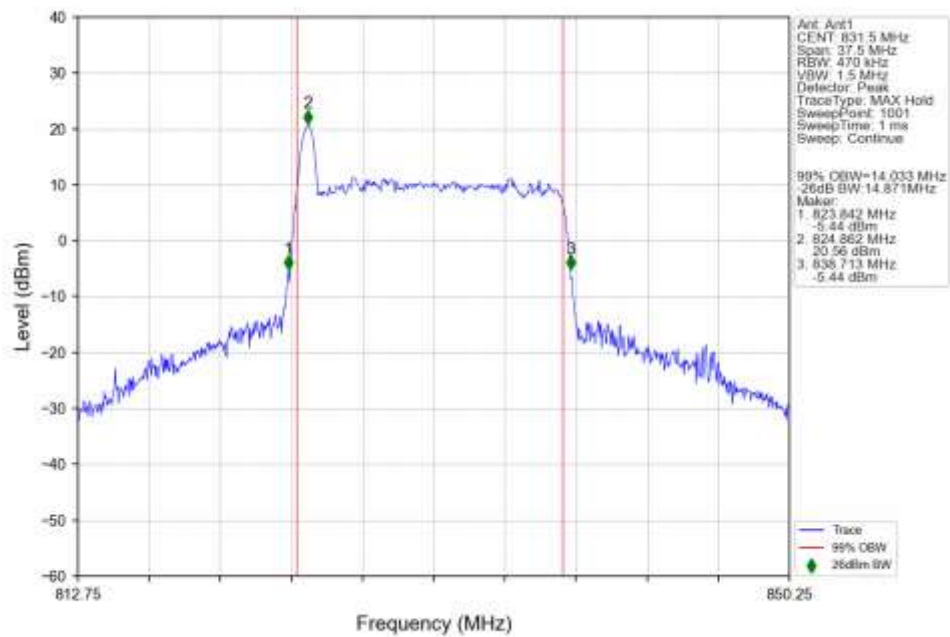
n5 30kHz SISO NTN 15MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1



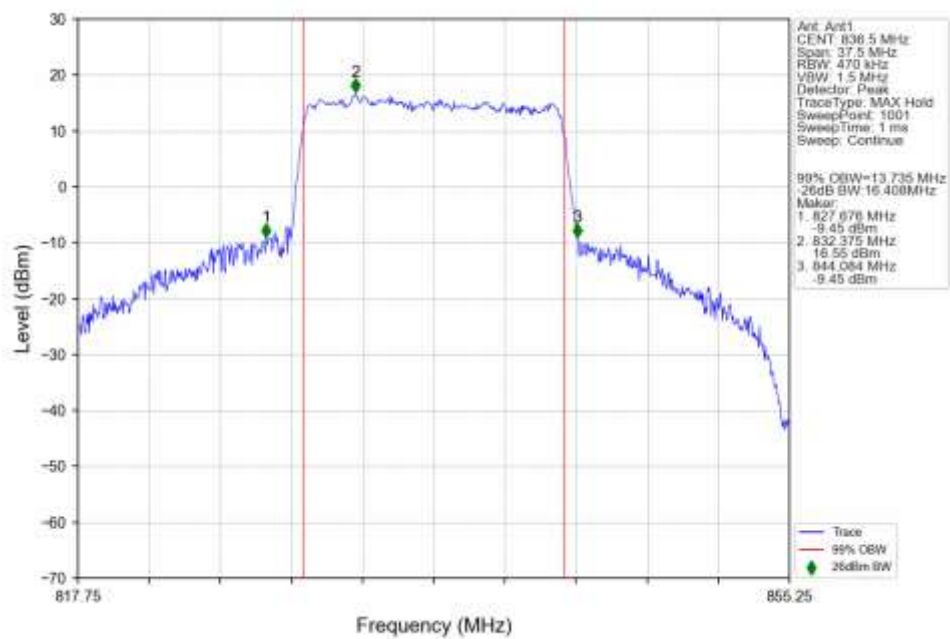
n5 30kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full Ant1



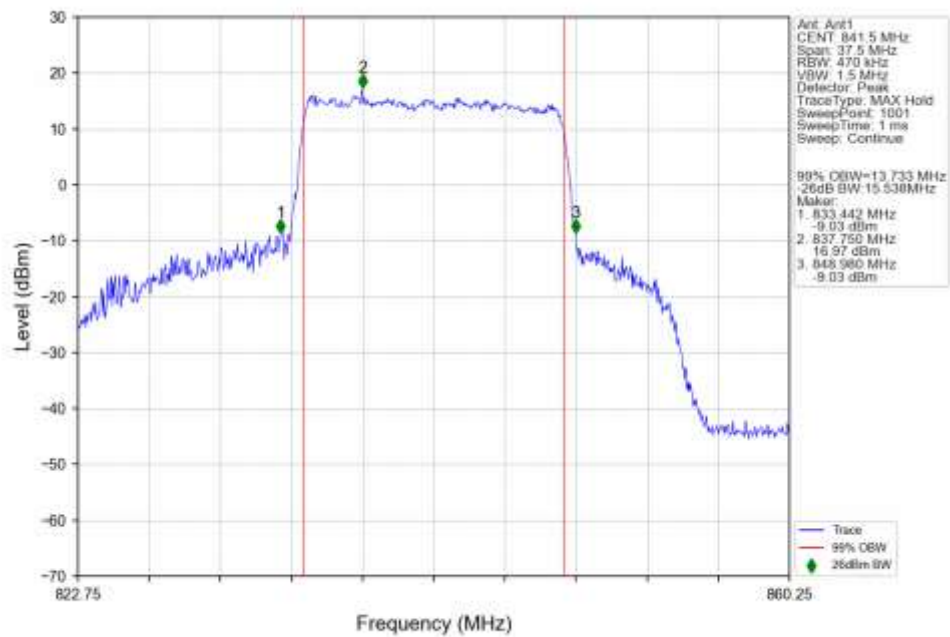
n5 30kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full Ant1



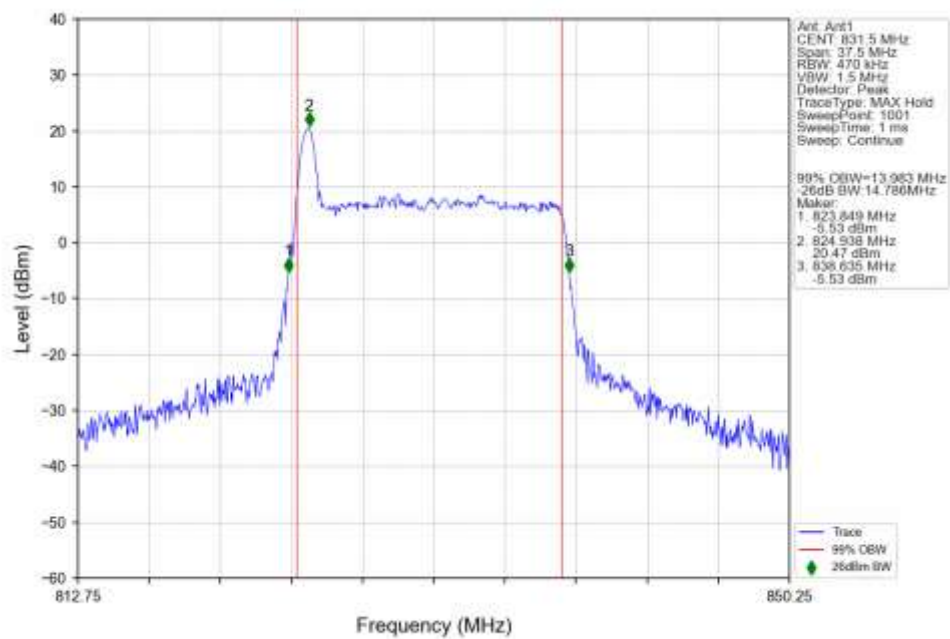
n5 30kHz SISO NTN 15MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



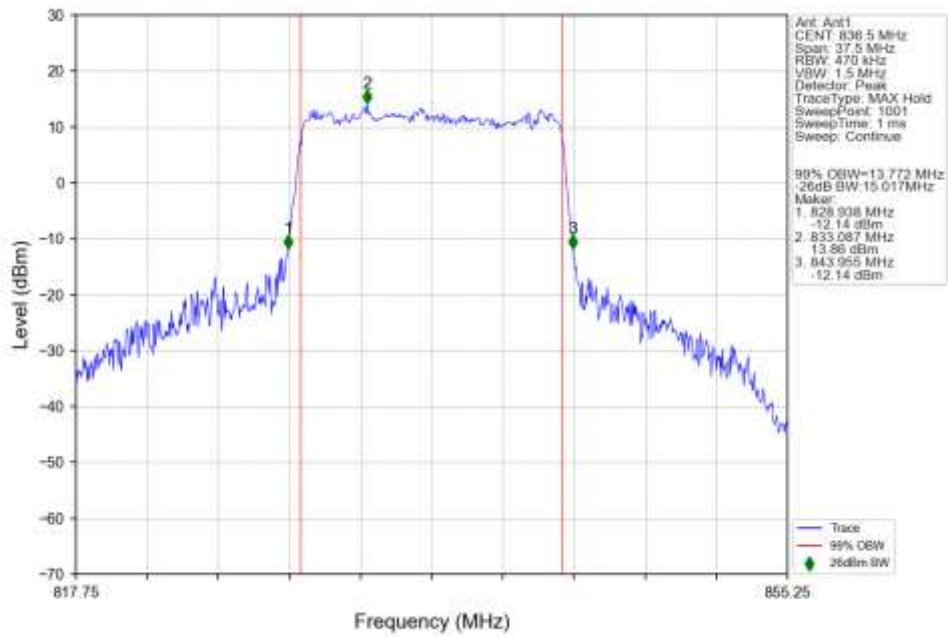
n5 30kHz SISO NTN 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full Ant1



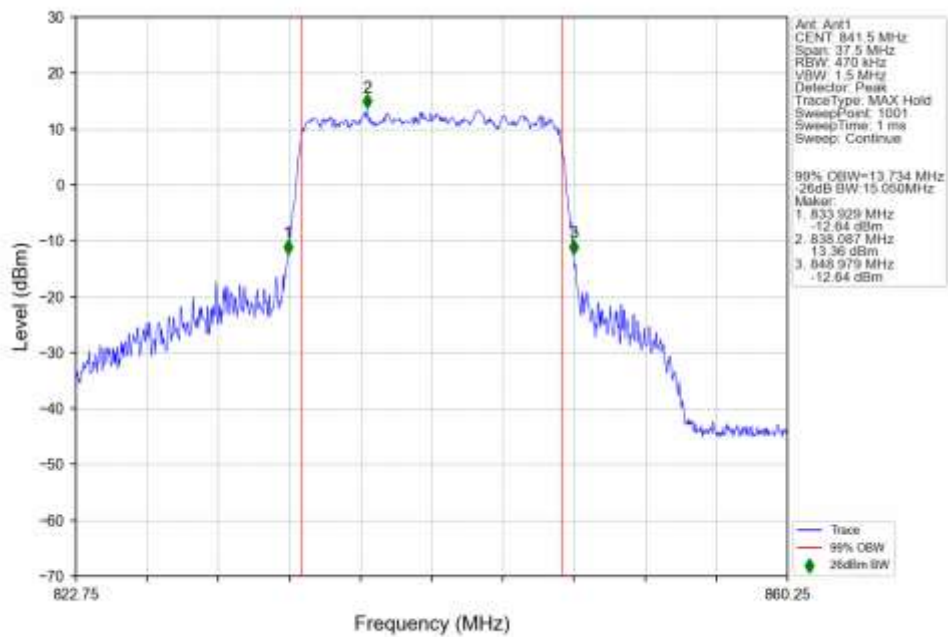
n5 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full Ant1



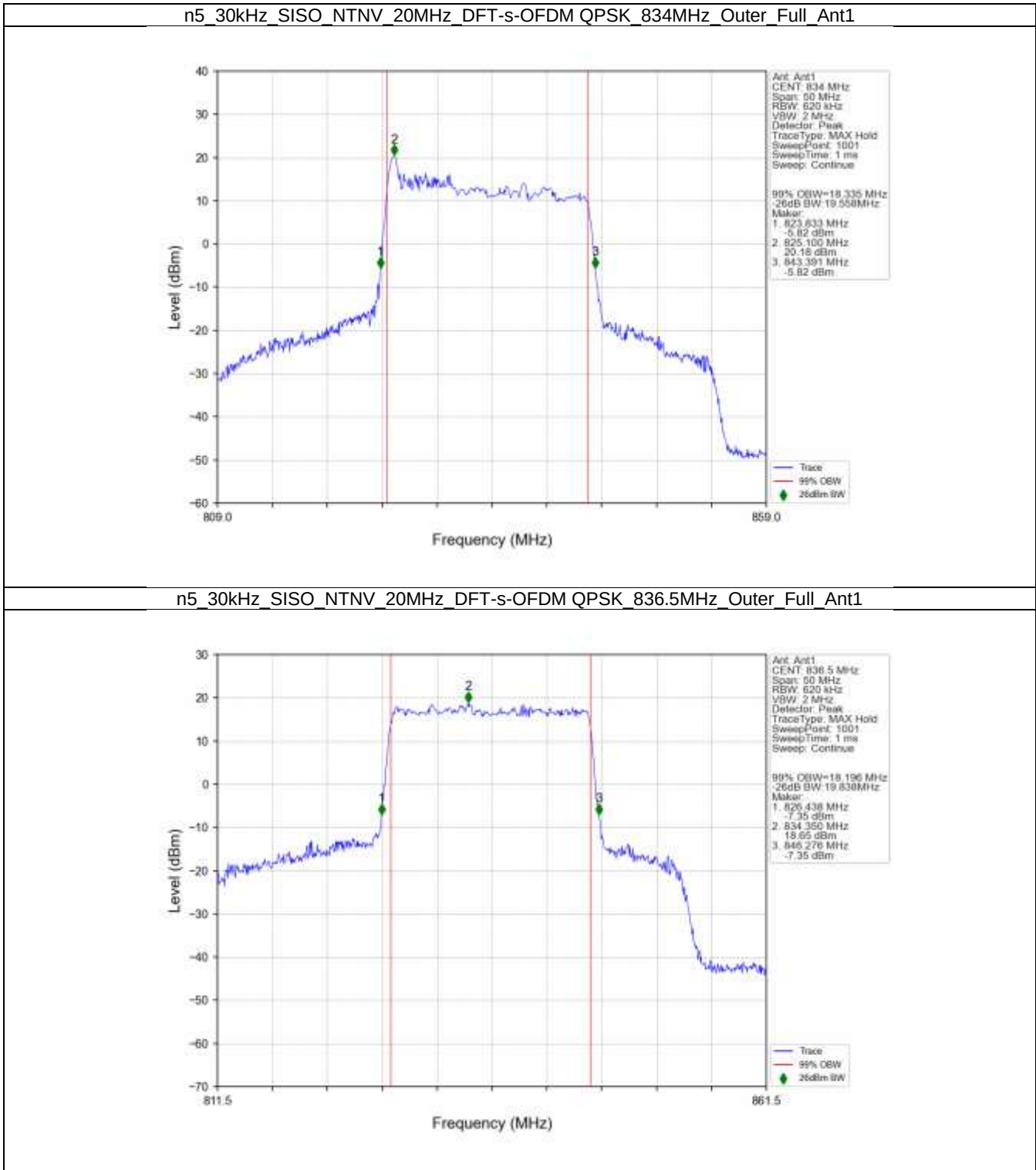
n5_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



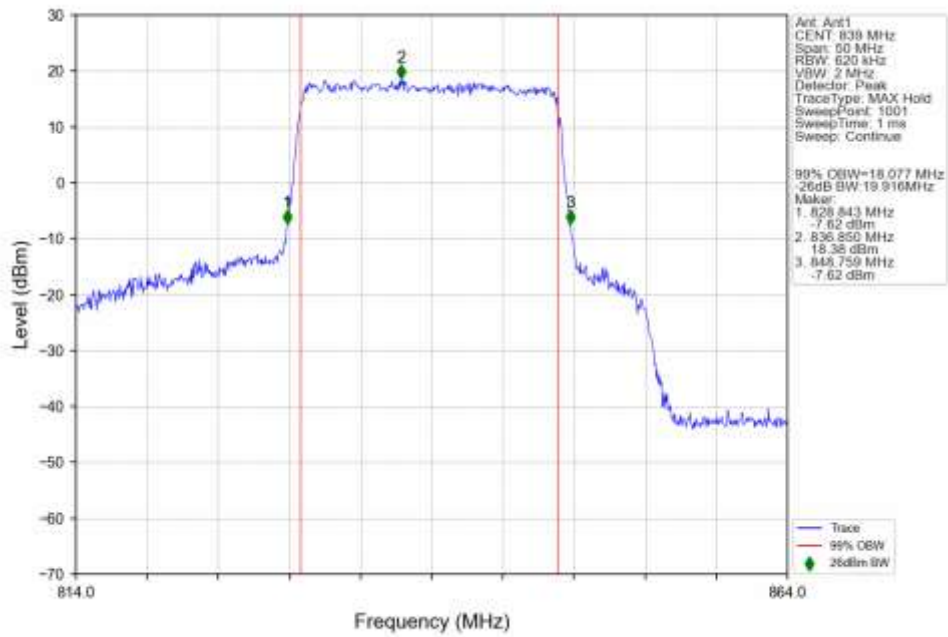
n5_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_841.5MHz_Outer_Full_Ant1



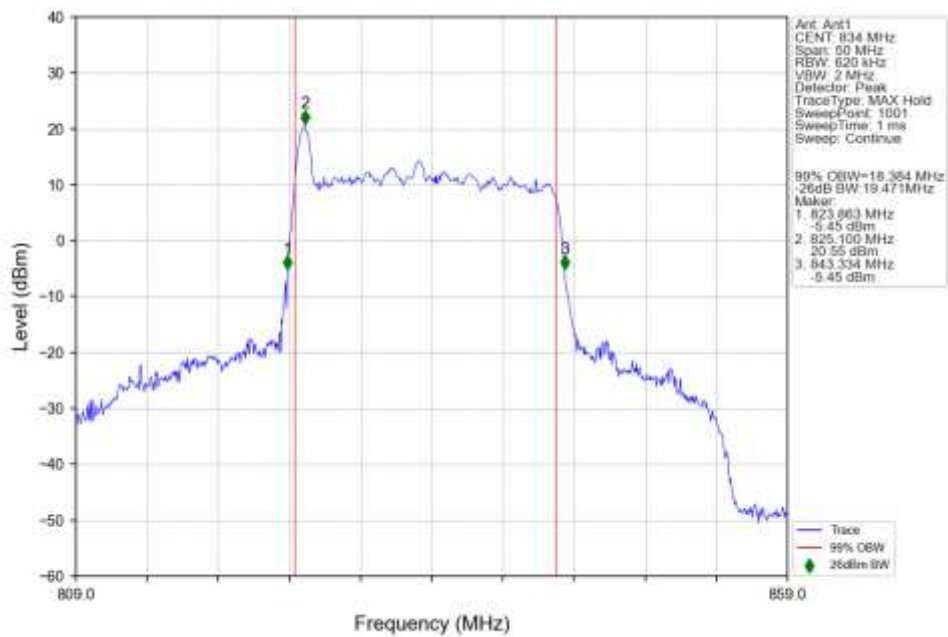
4.2.7 30k_SISO_20MHz_NTNV



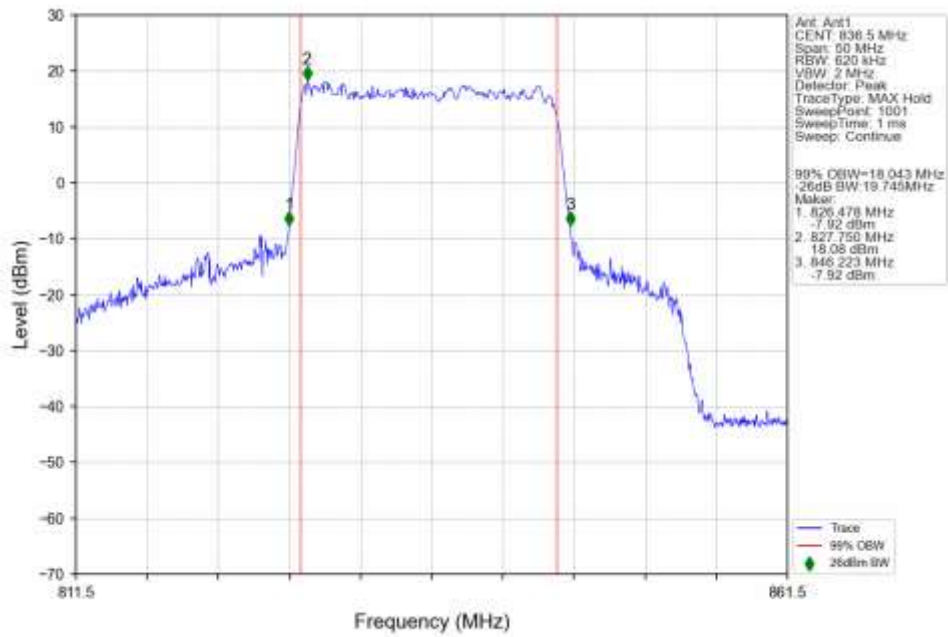
n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Outer_Full_Ant1



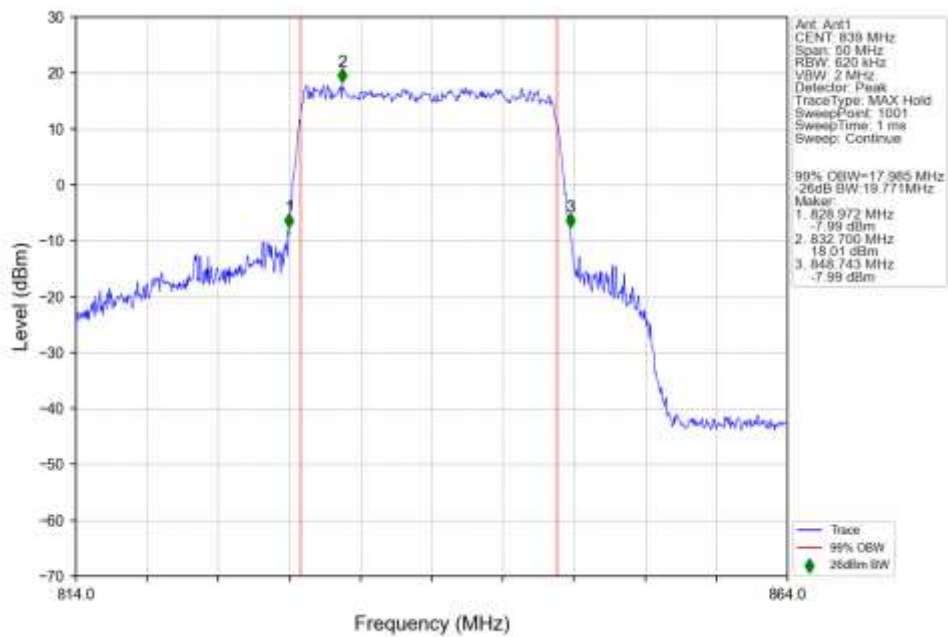
n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16QAM_834MHz_Outer_Full_Ant1



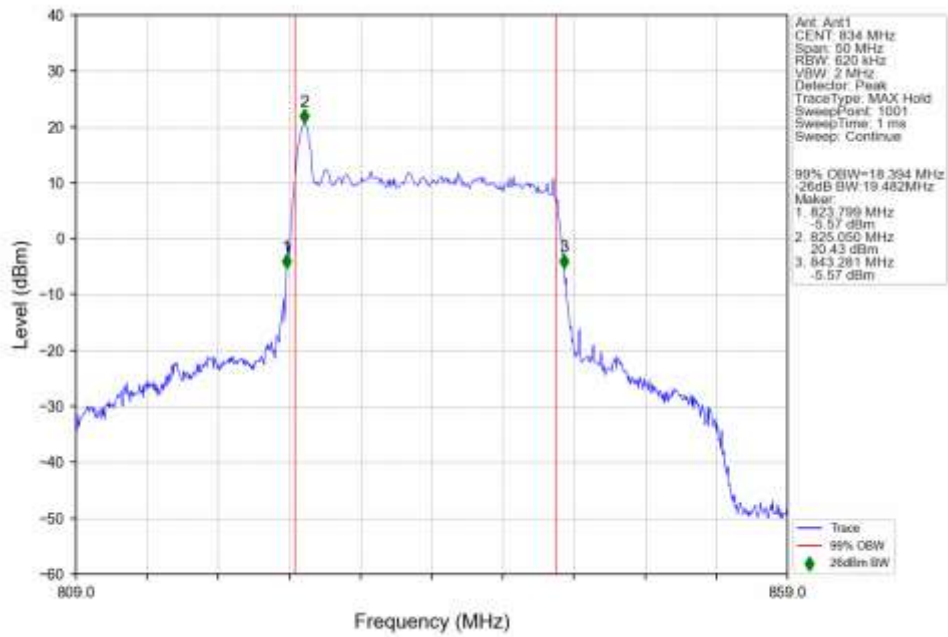
n5 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



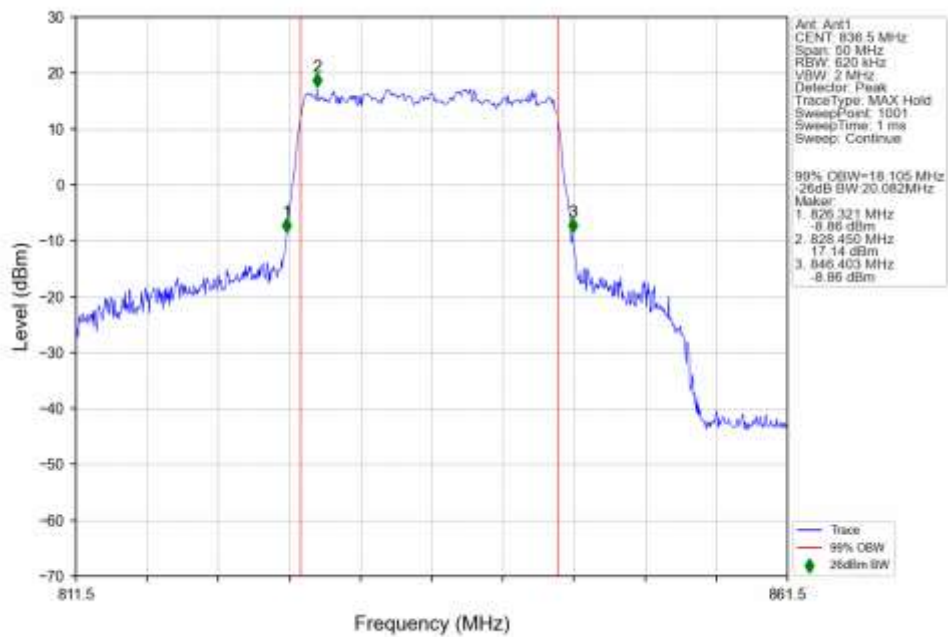
n5 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 839MHz Outer Full Ant1



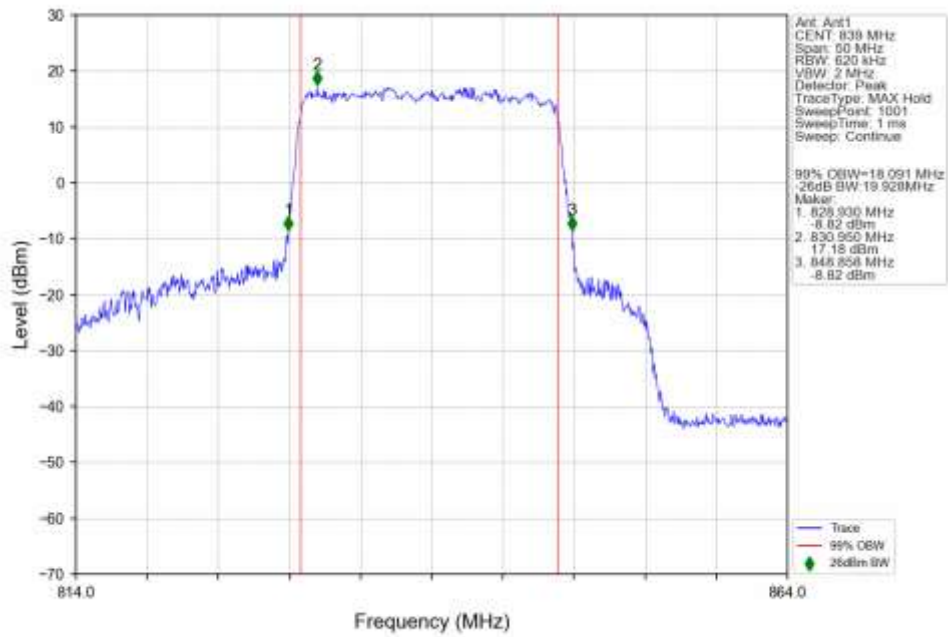
n5 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 834MHz Outer Full Ant1



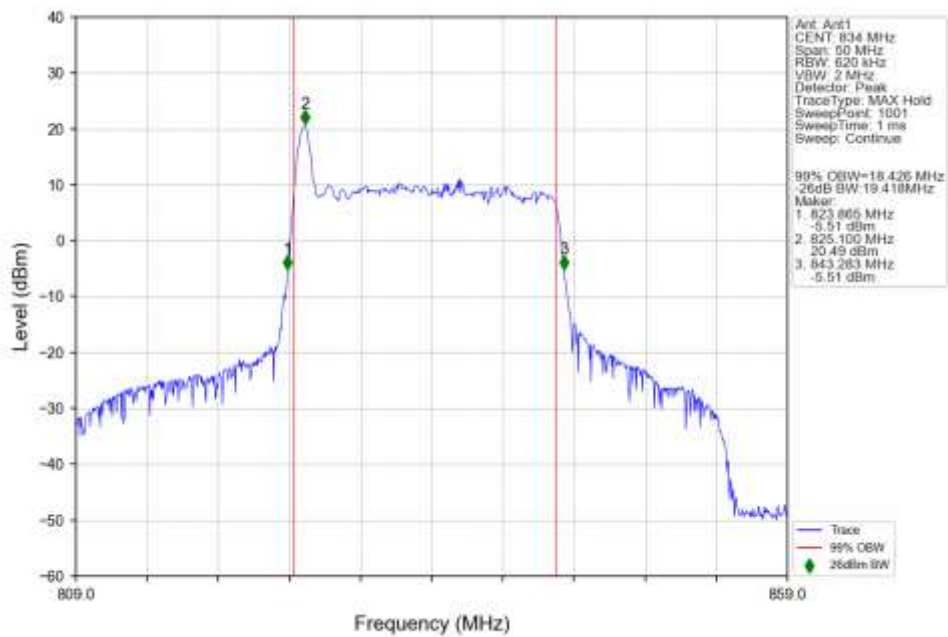
n5 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



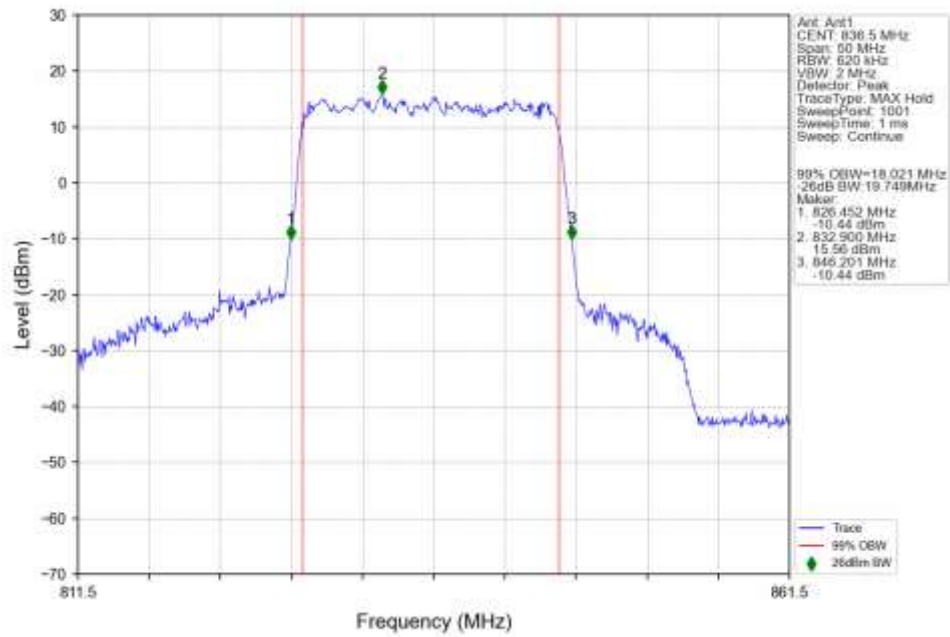
n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_839MHz_Outer_Full_Ant1



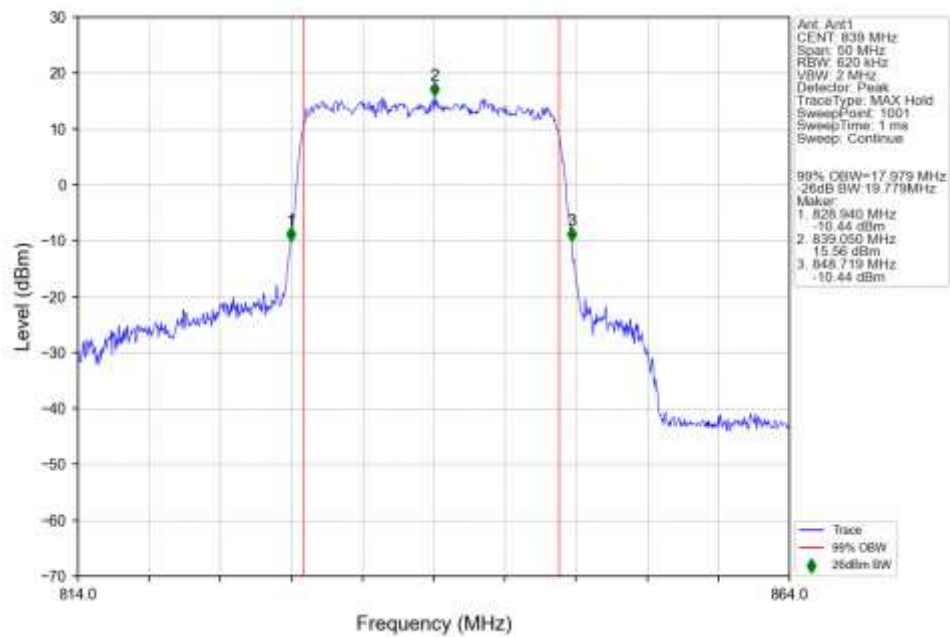
n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_834MHz_Outer_Full_Ant1



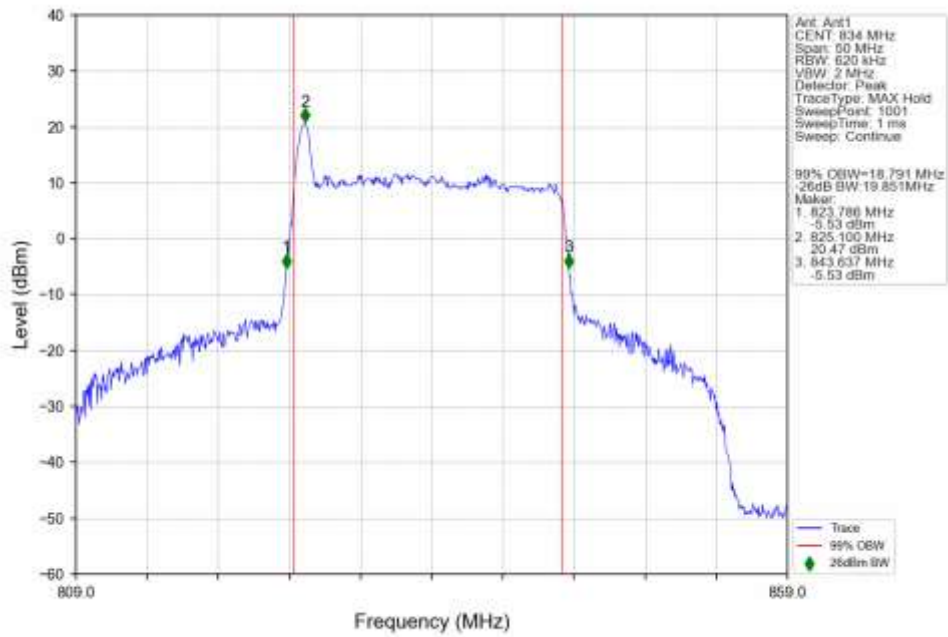
n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



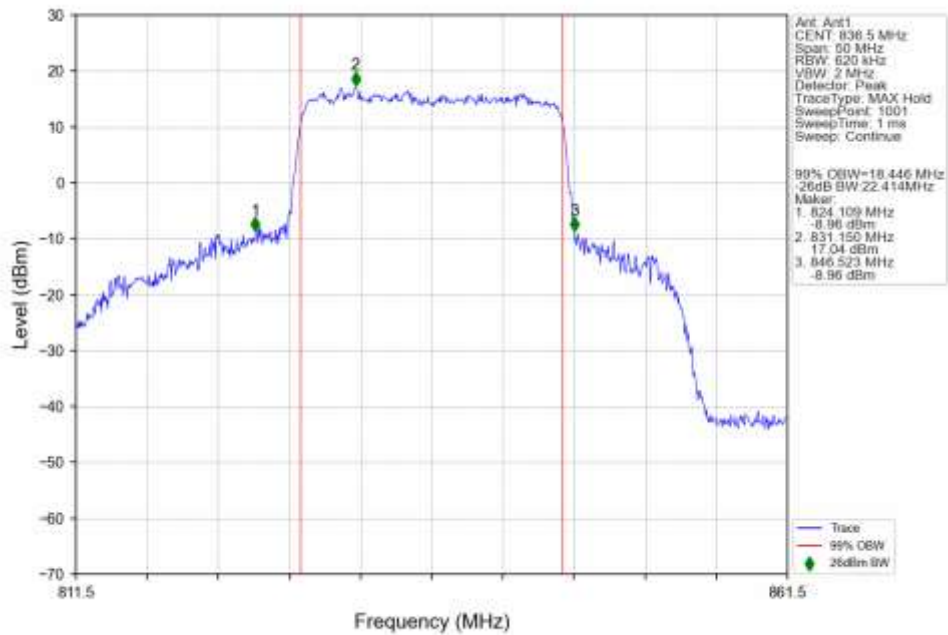
n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_839MHz_Outer_Full_Ant1



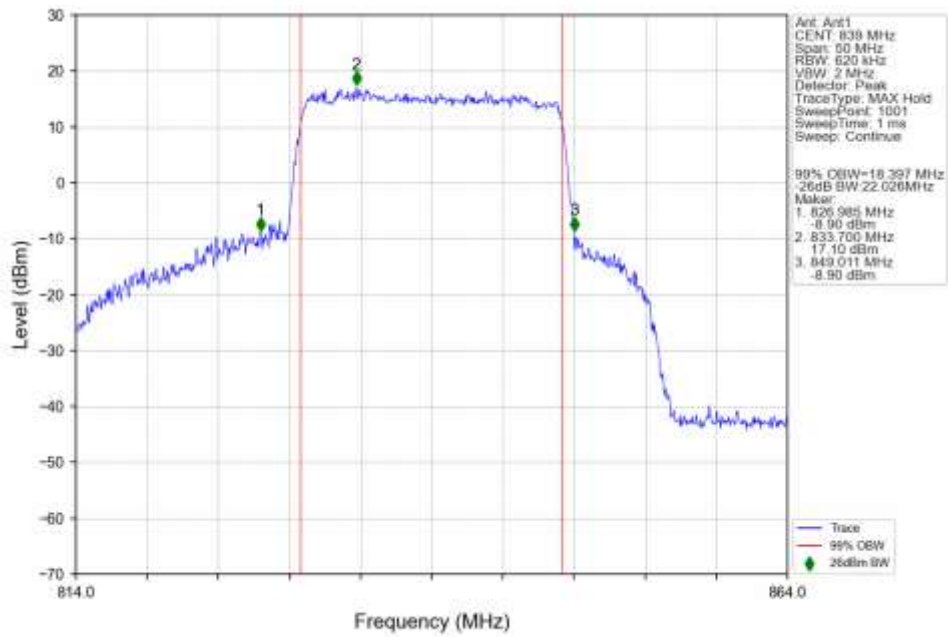
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full_Ant1



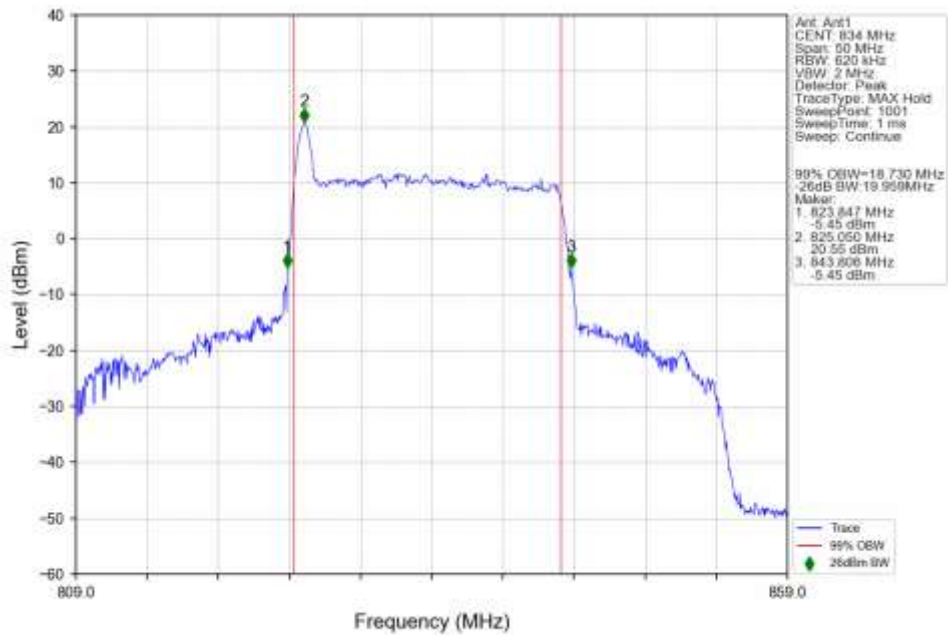
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



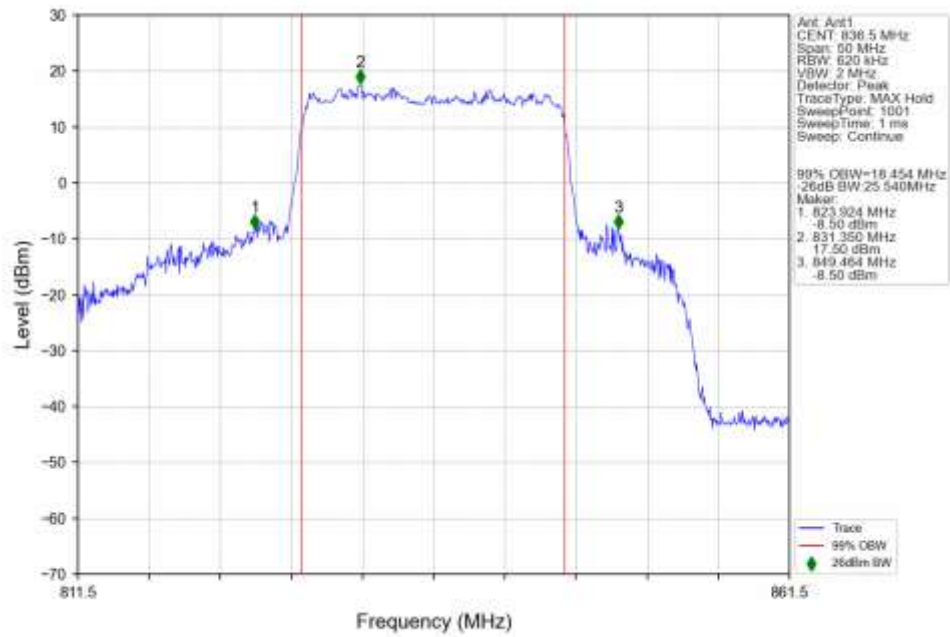
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_839MHz_Outer_Full_Ant1



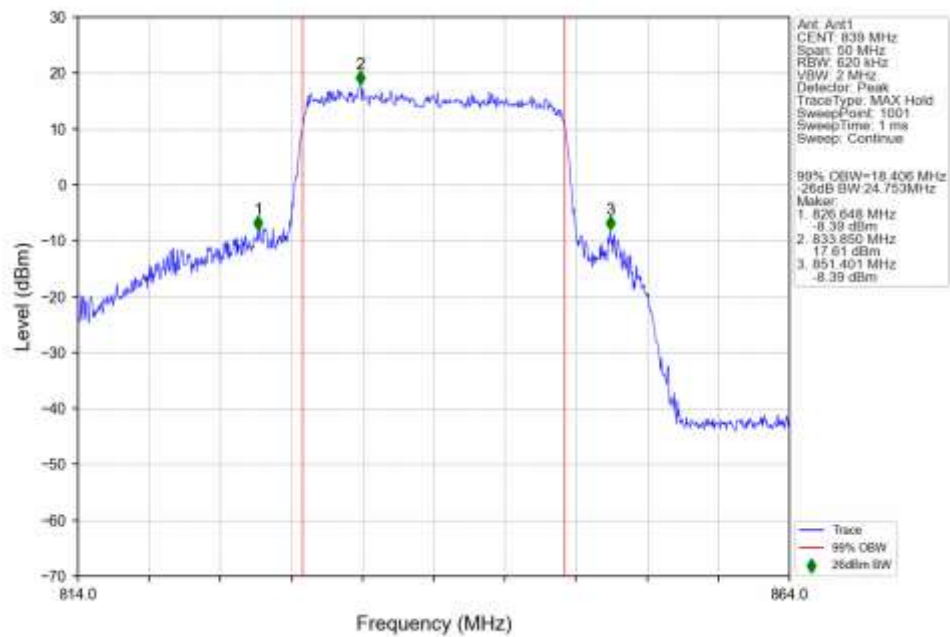
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_16QAM_834MHz_Outer_Full_Ant1



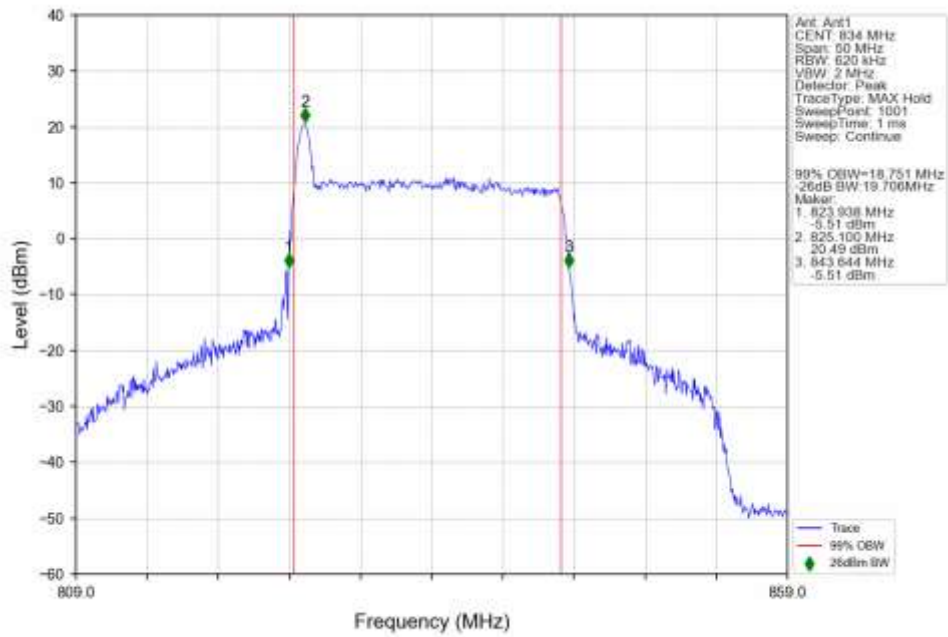
n5 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1



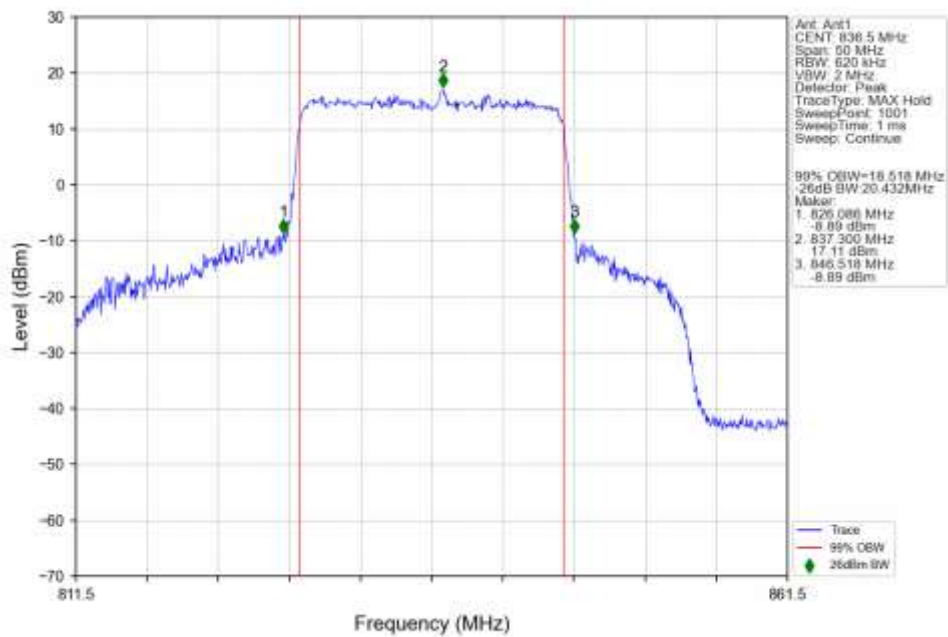
n5 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 839MHz Outer Full Ant1



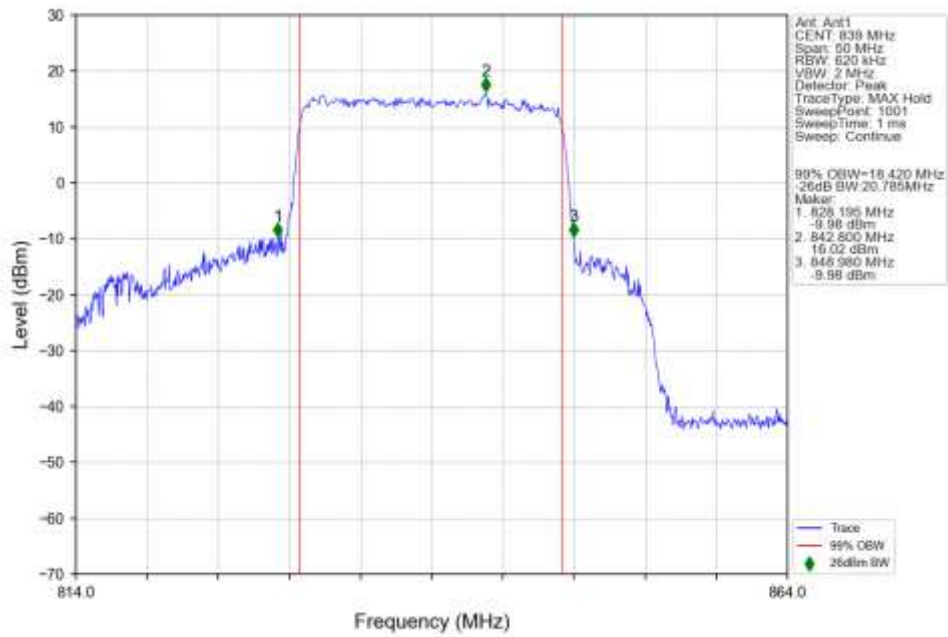
n5 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 834MHz Outer Full Ant1



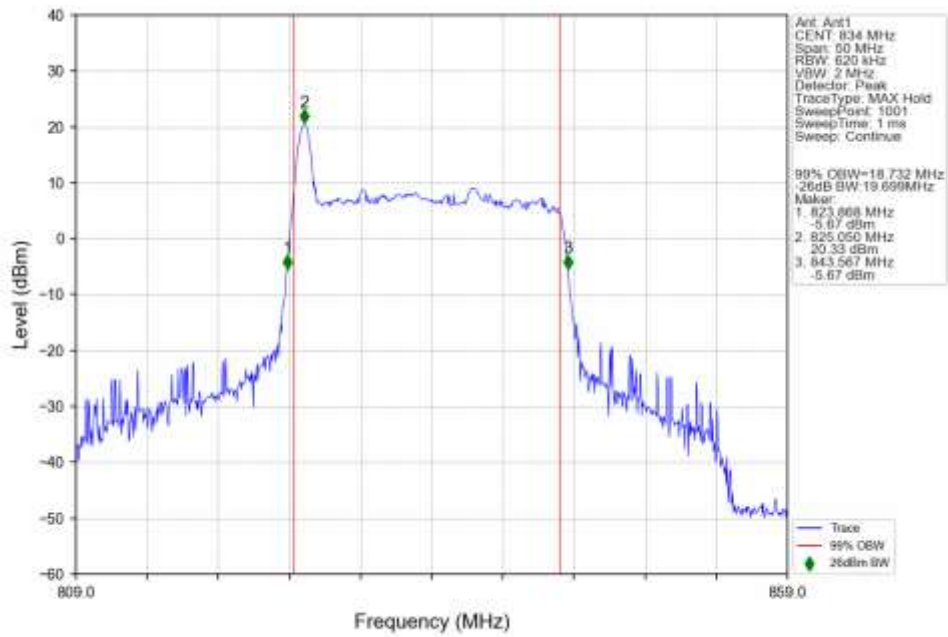
n5 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



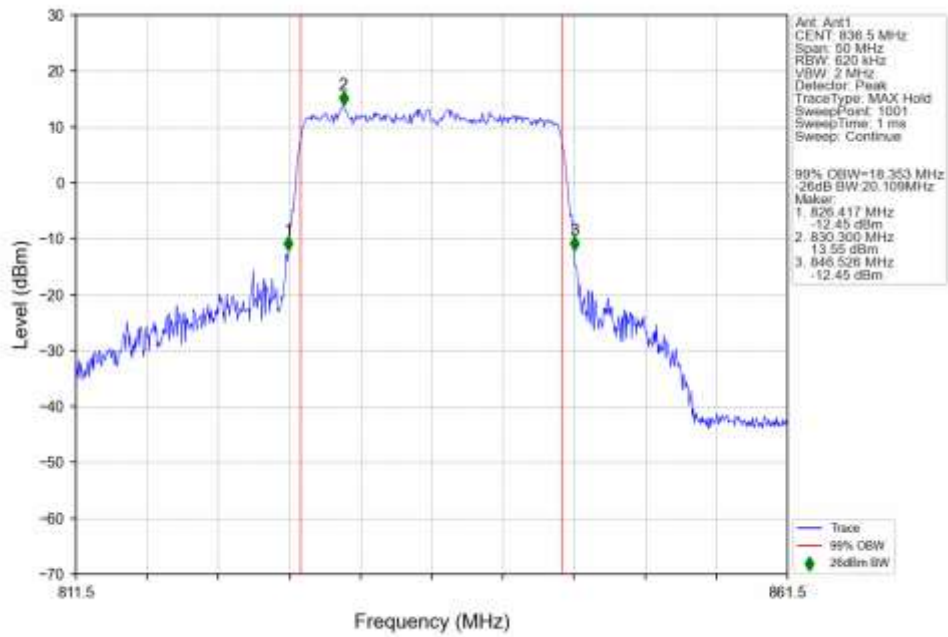
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_839MHz_Outer_Full_Ant1



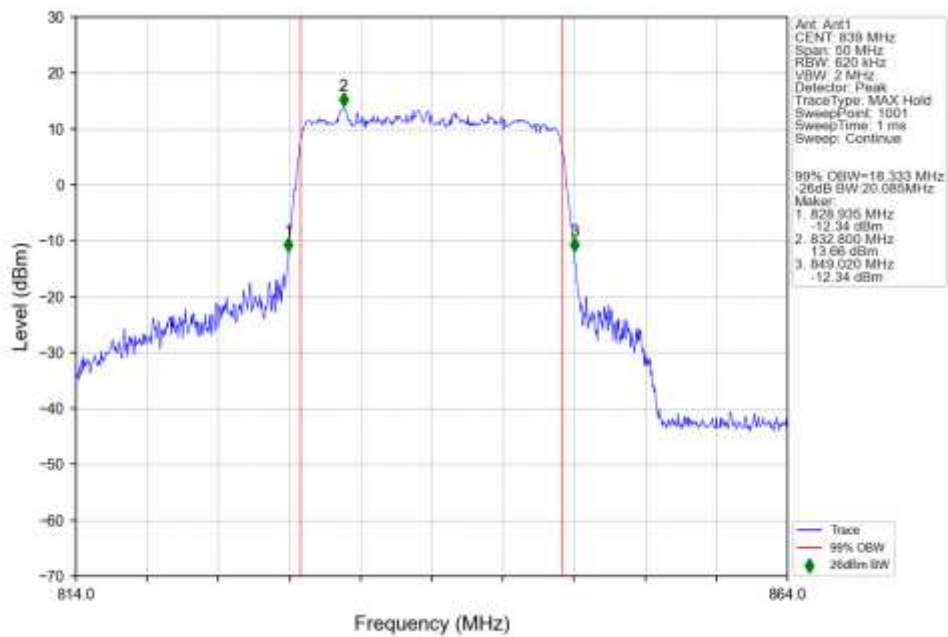
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_834MHz_Outer_Full_Ant1



n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_839MHz_Outer_Full_Ant1



5. Peak-Average Ratio

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	826.5	Outer Full	5.21	/	/	<=13	Pass
	836.5	Outer Full	5.22	/	/	<=13	Pass
	846.5	Outer Full	5.17	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	826.5	Outer Full	5.84	/	/	<=13	Pass
	836.5	Outer Full	5.60	/	/	<=13	Pass
	846.5	Outer Full	5.67	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	826.5	Outer Full	5.85	/	/	<=13	Pass
	836.5	Outer Full	5.78	/	/	<=13	Pass
	846.5	Outer Full	5.85	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	826.5	Outer Full	6.11	/	/	<=13	Pass
	836.5	Outer Full	6.17	/	/	<=13	Pass
	846.5	Outer Full	6.13	/	/	<=13	Pass
CP-OFDM QPSK	826.5	Outer Full	7.38	/	/	<=13	Pass
	836.5	Outer Full	7.15	/	/	<=13	Pass
	846.5	Outer Full	7.35	/	/	<=13	Pass
CP-OFDM 16 QAM	826.5	Outer Full	7.45	/	/	<=13	Pass
	836.5	Outer Full	7.17	/	/	<=13	Pass
	846.5	Outer Full	7.39	/	/	<=13	Pass
CP-OFDM 64 QAM	826.5	Outer Full	7.54	/	/	<=13	Pass
	836.5	Outer Full	7.15	/	/	<=13	Pass
	846.5	Outer Full	7.37	/	/	<=13	Pass
CP-OFDM 256 QAM	826.5	Outer Full	7.84	/	/	<=13	Pass
	836.5	Outer Full	7.77	/	/	<=13	Pass
	846.5	Outer Full	7.74	/	/	<=13	Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	829	Outer Full	5.33	/	/	<=13	Pass
	836.5	Outer Full	5.28	/	/	<=13	Pass
	844	Outer Full	5.30	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer Full	5.95	/	/	<=13	Pass
	836.5	Outer Full	5.92	/	/	<=13	Pass
	844	Outer Full	5.95	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer Full	6.18	/	/	<=13	Pass
	836.5	Outer Full	6.04	/	/	<=13	Pass
	844	Outer Full	6.18	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer Full	6.24	/	/	<=13	Pass
	836.5	Outer Full	6.36	/	/	<=13	Pass
	844	Outer Full	6.20	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer Full	7.58	/	/	<=13	Pass
	836.5	Outer Full	7.31	/	/	<=13	Pass
	844	Outer Full	7.64	/	/	<=13	Pass

CP-OFDM 16 QAM	829	Outer Full	7.37	/	/	<=13	Pass
	836.5	Outer Full	7.36	/	/	<=13	Pass
	844	Outer Full	7.63	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer Full	7.55	/	/	<=13	Pass
	836.5	Outer Full	7.47	/	/	<=13	Pass
	844	Outer Full	7.83	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer Full	8.20	/	/	<=13	Pass
	836.5	Outer Full	8.26	/	/	<=13	Pass
	844	Outer Full	8.23	/	/	<=13	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Outer Full	5.16	/	/	<=13	Pass
	836.5	Outer Full	5.16	/	/	<=13	Pass
	841.5	Outer Full	5.24	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	5.73	/	/	<=13	Pass
	836.5	Outer Full	5.86	/	/	<=13	Pass
	841.5	Outer Full	5.88	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	5.99	/	/	<=13	Pass
	836.5	Outer Full	5.97	/	/	<=13	Pass
	841.5	Outer Full	6.12	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	831.5	Outer Full	6.21	/	/	<=13	Pass
	836.5	Outer Full	6.33	/	/	<=13	Pass
	841.5	Outer Full	6.33	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.20	/	/	<=13	Pass
	836.5	Outer Full	7.25	/	/	<=13	Pass
	841.5	Outer Full	7.57	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer Full	7.25	/	/	<=13	Pass
	836.5	Outer Full	7.27	/	/	<=13	Pass
	841.5	Outer Full	7.63	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer Full	7.34	/	/	<=13	Pass
	836.5	Outer Full	7.31	/	/	<=13	Pass
	841.5	Outer Full	7.55	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer Full	8.06	/	/	<=13	Pass
	836.5	Outer Full	7.98	/	/	<=13	Pass
	841.5	Outer Full	8.15	/	/	<=13	Pass

5.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Outer Full	5.21	/	/	<=13	Pass
	836.5	Outer Full	5.24	/	/	<=13	Pass
	839	Outer Full	5.20	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer Full	5.85	/	/	<=13	Pass
	836.5	Outer Full	5.86	/	/	<=13	Pass
	839	Outer Full	5.85	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer Full	6.07	/	/	<=13	Pass
	836.5	Outer Full	6.06	/	/	<=13	Pass
	839	Outer Full	5.99	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer Full	6.24	/	/	<=13	Pass
	836.5	Outer Full	6.27	/	/	<=13	Pass

CP-OFDM QPSK	839	Outer Full	6.23	/	/	<=13	Pass
	834	Outer Full	7.46	/	/	<=13	Pass
	836.5	Outer Full	7.62	/	/	<=13	Pass
	839	Outer Full	7.41	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer Full	7.47	/	/	<=13	Pass
	836.5	Outer Full	7.64	/	/	<=13	Pass
	839	Outer Full	7.43	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer Full	7.51	/	/	<=13	Pass
	836.5	Outer Full	7.67	/	/	<=13	Pass
	839	Outer Full	7.43	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer Full	7.98	/	/	<=13	Pass
	836.5	Outer Full	7.98	/	/	<=13	Pass
	839	Outer Full	7.97	/	/	<=13	Pass

5.1.5 30k_SISO_10MHz_NTNV

5G NR n5 SCS=30kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	829	Outer Full	5.09	/	/	<=13	Pass
	836.5	Outer Full	5.04	/	/	<=13	Pass
	844	Outer Full	5.14	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer Full	5.75	/	/	<=13	Pass
	836.5	Outer Full	5.74	/	/	<=13	Pass
	844	Outer Full	5.81	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer Full	5.91	/	/	<=13	Pass
	836.5	Outer Full	5.93	/	/	<=13	Pass
	844	Outer Full	5.98	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer Full	6.19	/	/	<=13	Pass
	836.5	Outer Full	6.18	/	/	<=13	Pass
	844	Outer Full	6.26	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer Full	7.22	/	/	<=13	Pass
	836.5	Outer Full	7.10	/	/	<=13	Pass
	844	Outer Full	7.50	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer Full	7.24	/	/	<=13	Pass
	836.5	Outer Full	7.03	/	/	<=13	Pass
	844	Outer Full	7.39	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer Full	7.21	/	/	<=13	Pass
	836.5	Outer Full	7.09	/	/	<=13	Pass
	844	Outer Full	7.34	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer Full	7.96	/	/	<=13	Pass
	836.5	Outer Full	7.92	/	/	<=13	Pass
	844	Outer Full	8.01	/	/	<=13	Pass

5.1.6 30k_SISO_15MHz_NTNV

5G NR n5 SCS=30kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	831.5	Outer Full	5.01	/	/	<=13	Pass
	836.5	Outer Full	5.08	/	/	<=13	Pass
	841.5	Outer Full	5.18	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	5.76	/	/	<=13	Pass
	836.5	Outer Full	5.84	/	/	<=13	Pass
	841.5	Outer Full	5.87	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	5.97	/	/	<=13	Pass

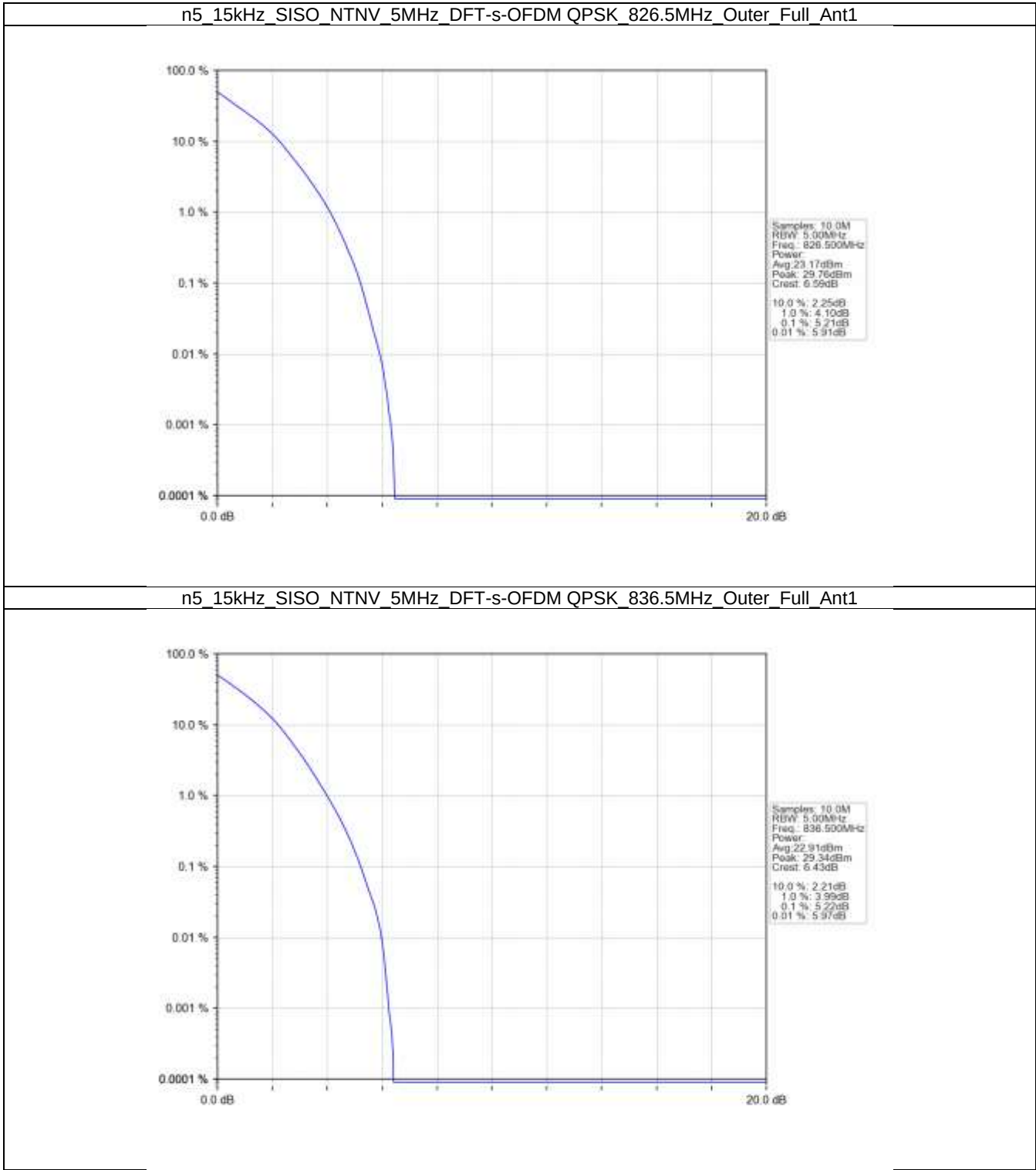
DFT-s-OFDM 256 QAM	836.5	Outer Full	6.07	/	/	<=13	Pass
	841.5	Outer Full	6.13	/	/	<=13	Pass
	831.5	Outer Full	6.02	/	/	<=13	Pass
	836.5	Outer Full	6.07	/	/	<=13	Pass
	841.5	Outer Full	6.07	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.06	/	/	<=13	Pass
	836.5	Outer Full	7.29	/	/	<=13	Pass
	841.5	Outer Full	7.47	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer Full	7.05	/	/	<=13	Pass
	836.5	Outer Full	7.28	/	/	<=13	Pass
	841.5	Outer Full	7.53	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer Full	7.23	/	/	<=13	Pass
	836.5	Outer Full	7.27	/	/	<=13	Pass
	841.5	Outer Full	7.42	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer Full	8.07	/	/	<=13	Pass
	836.5	Outer Full	8.10	/	/	<=13	Pass
	841.5	Outer Full	8.13	/	/	<=13	Pass

5.1.7 30k_SISO_20MHz_NTNV

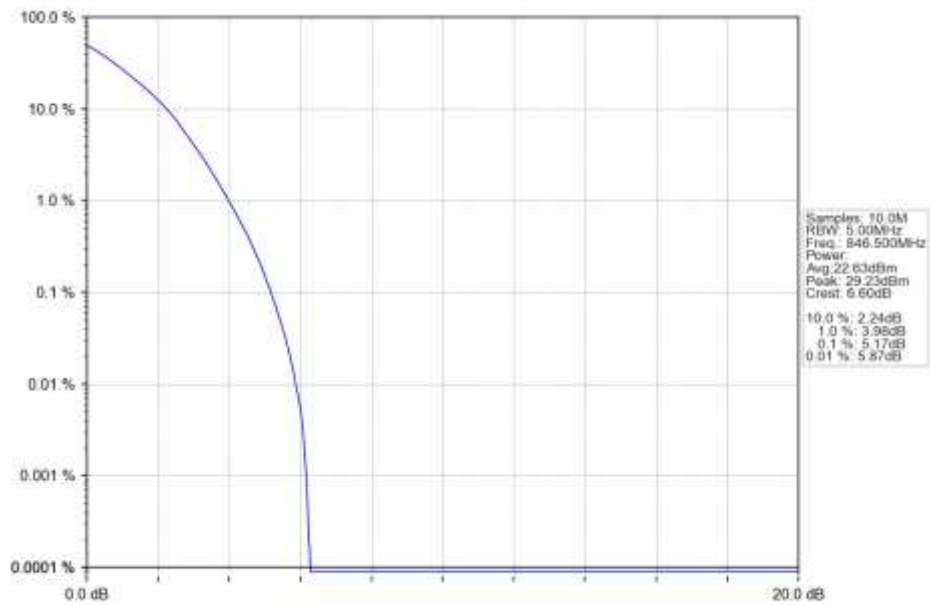
5G NR n5 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	834	Outer Full	5.21	/	/	<=13	Pass
	836.5	Outer Full	5.22	/	/	<=13	Pass
	839	Outer Full	5.26	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer Full	5.83	/	/	<=13	Pass
	836.5	Outer Full	5.86	/	/	<=13	Pass
	839	Outer Full	5.88	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer Full	6.09	/	/	<=13	Pass
	836.5	Outer Full	6.13	/	/	<=13	Pass
	839	Outer Full	6.11	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer Full	6.31	/	/	<=13	Pass
	836.5	Outer Full	6.37	/	/	<=13	Pass
	839	Outer Full	6.36	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer Full	7.46	/	/	<=13	Pass
	836.5	Outer Full	7.53	/	/	<=13	Pass
	839	Outer Full	7.61	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer Full	7.51	/	/	<=13	Pass
	836.5	Outer Full	7.57	/	/	<=13	Pass
	839	Outer Full	7.69	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer Full	7.40	/	/	<=13	Pass
	836.5	Outer Full	7.45	/	/	<=13	Pass
	839	Outer Full	7.53	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer Full	8.00	/	/	<=13	Pass
	836.5	Outer Full	8.02	/	/	<=13	Pass
	839	Outer Full	8.01	/	/	<=13	Pass

5.2 Test Graph

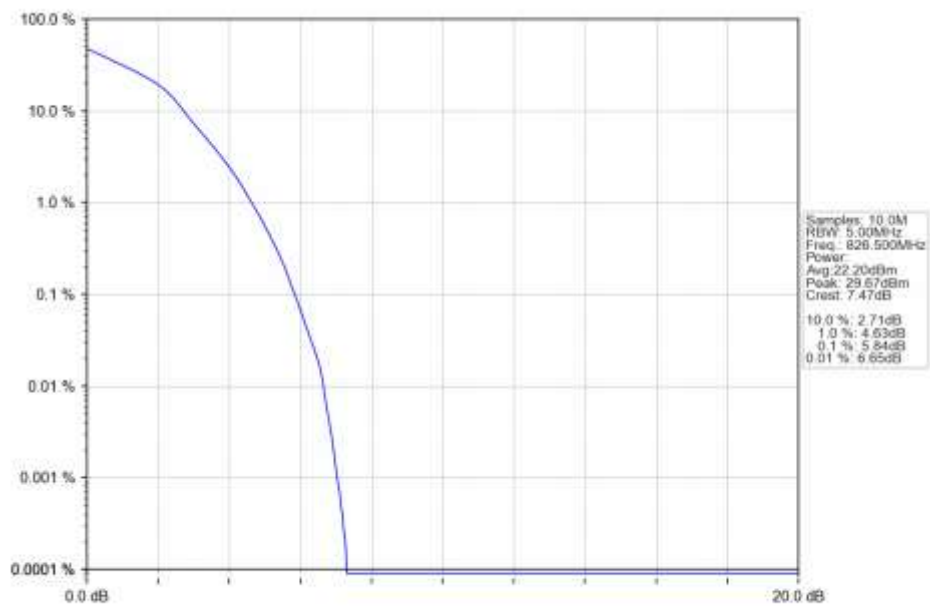
5.2.1 15k_SISO_5MHz_NTNV



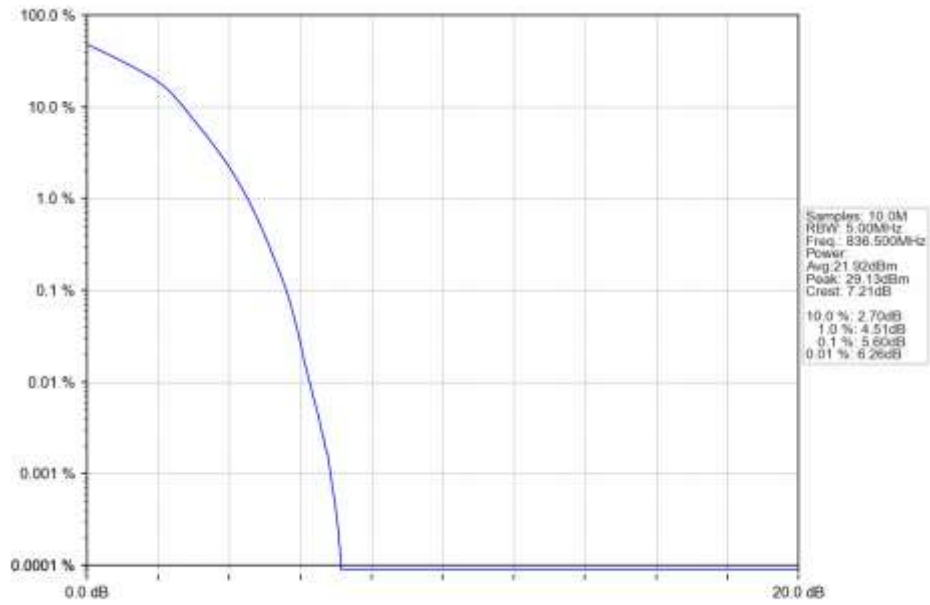
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_846.5MHz_Outer_Full_Ant1



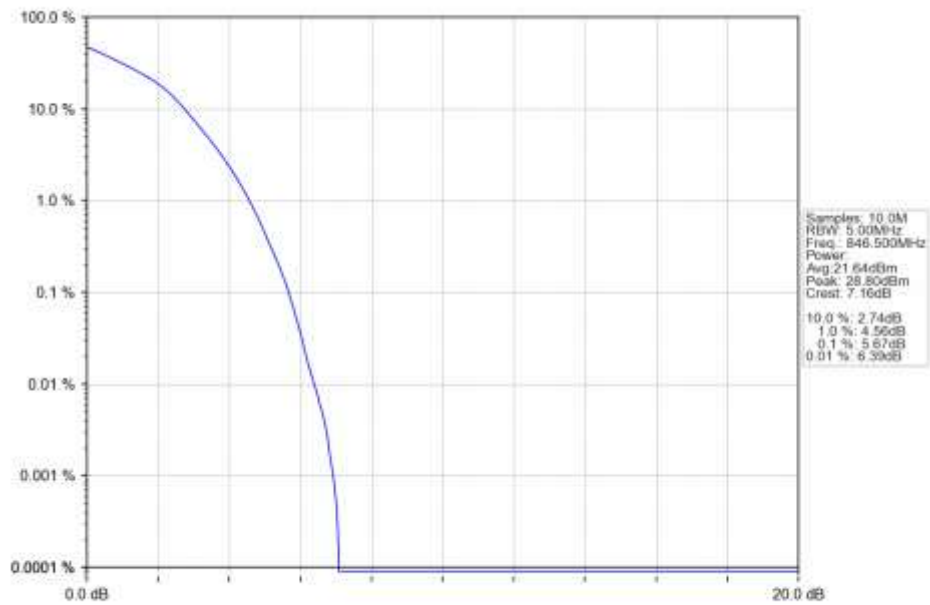
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16QAM_826.5MHz_Outer_Full_Ant1



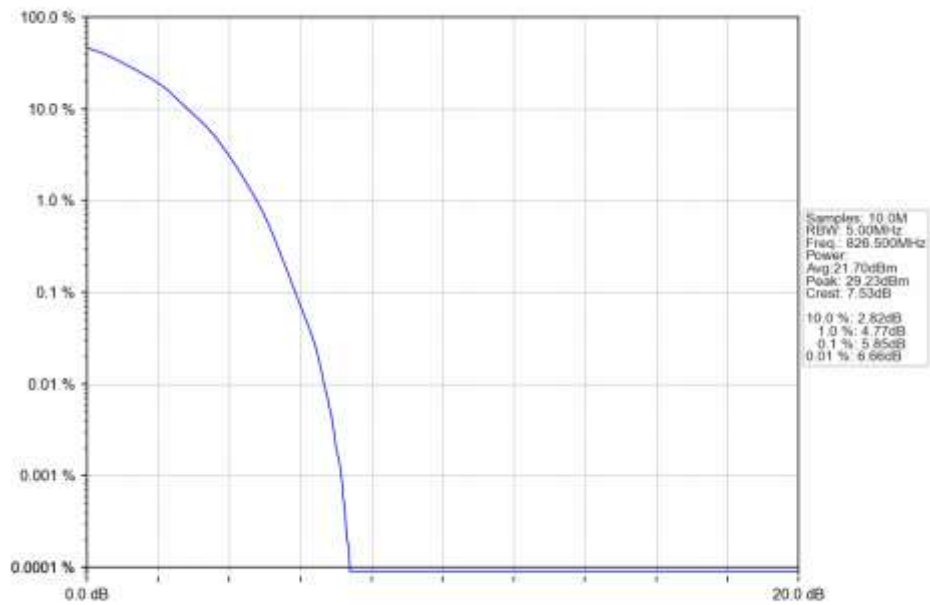
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



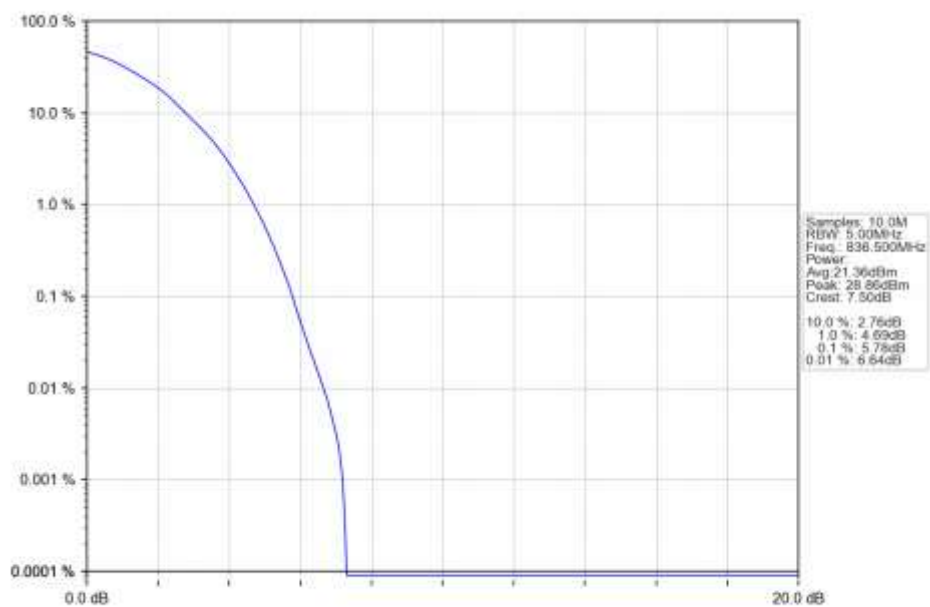
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



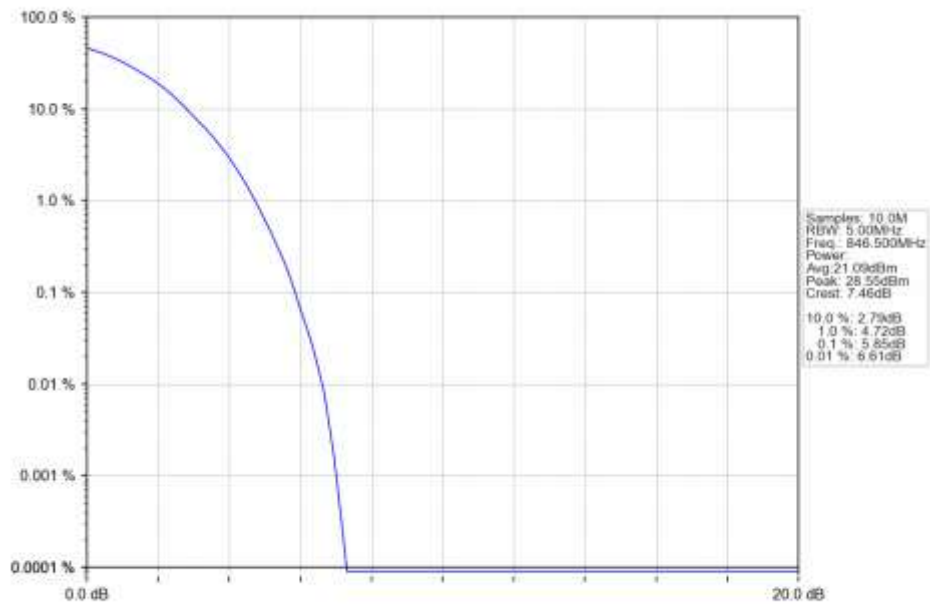
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



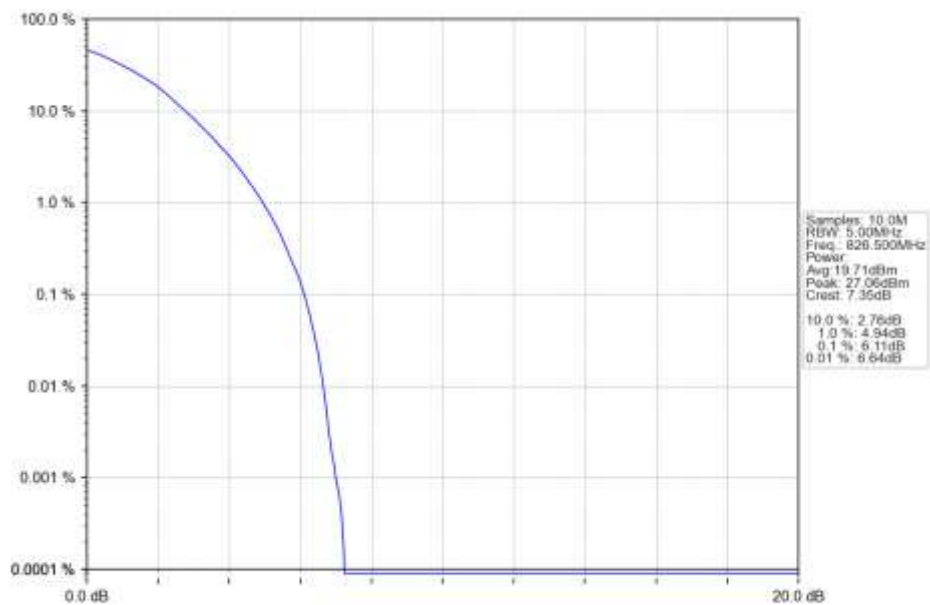
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



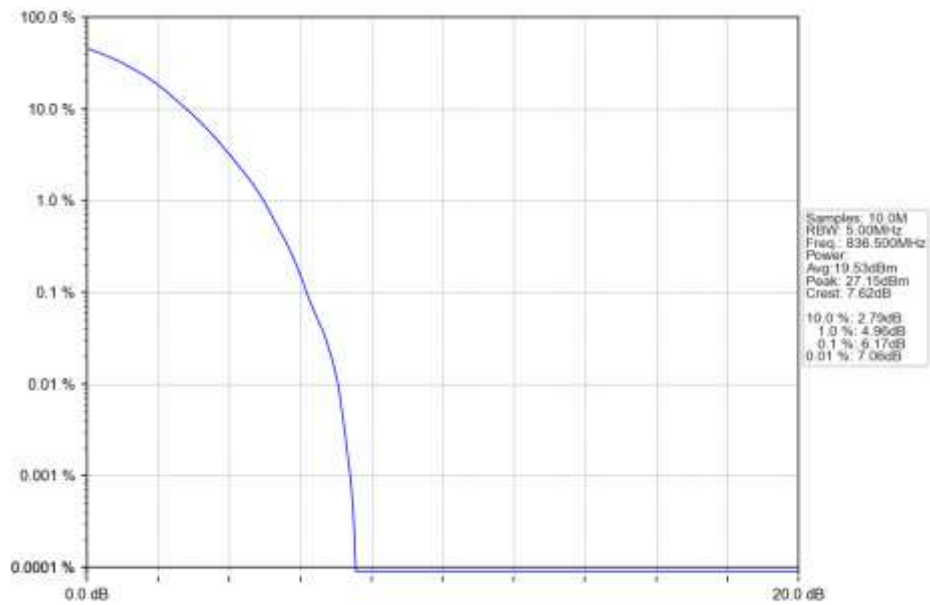
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_846.5MHz_Outer_Full_Ant1



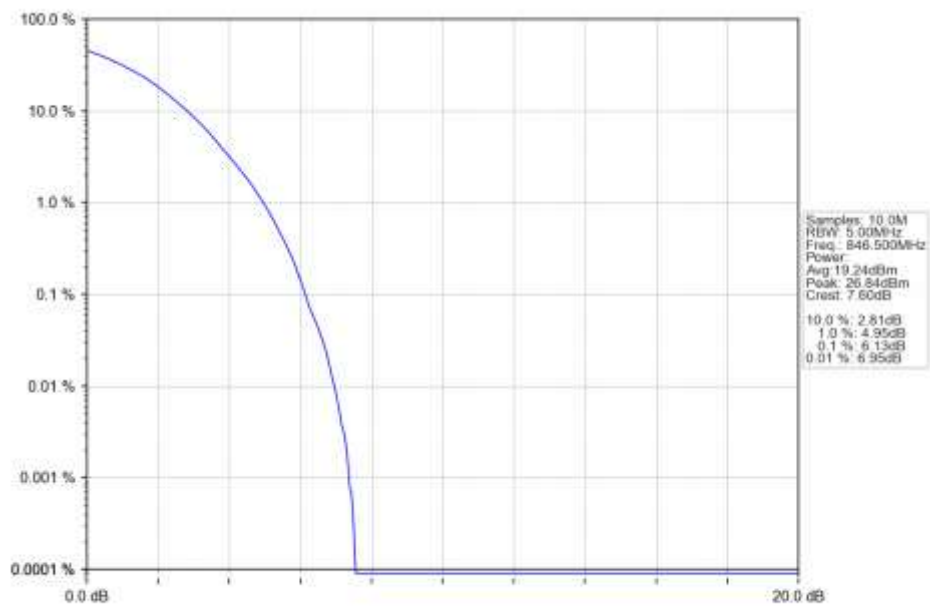
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_826.5MHz_Outer_Full_Ant1



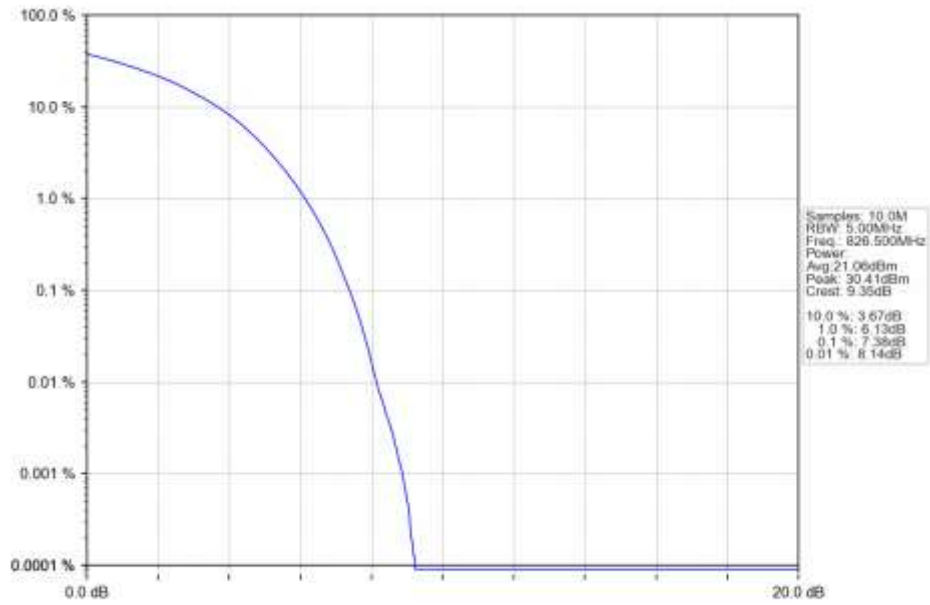
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



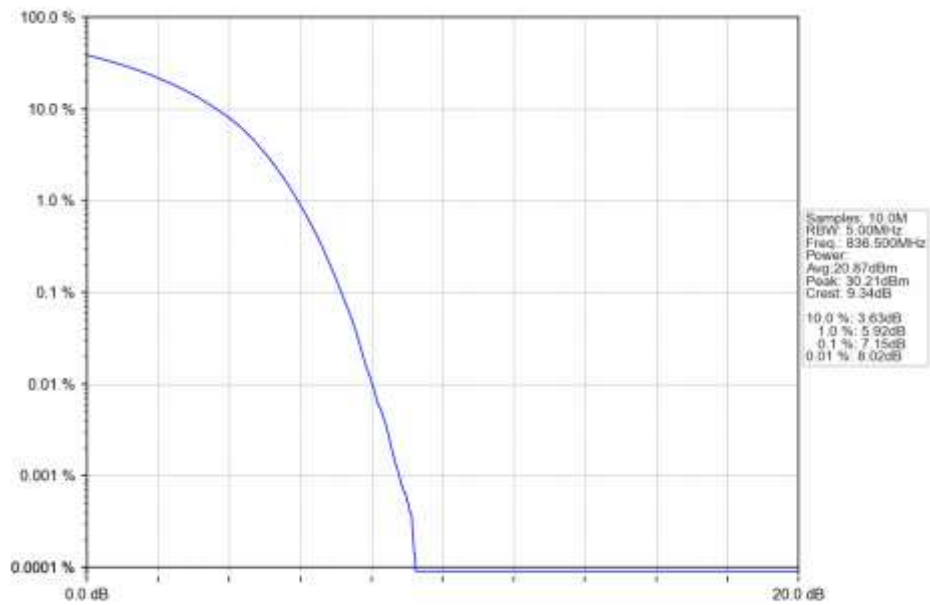
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 846.5MHz Outer Full Ant1



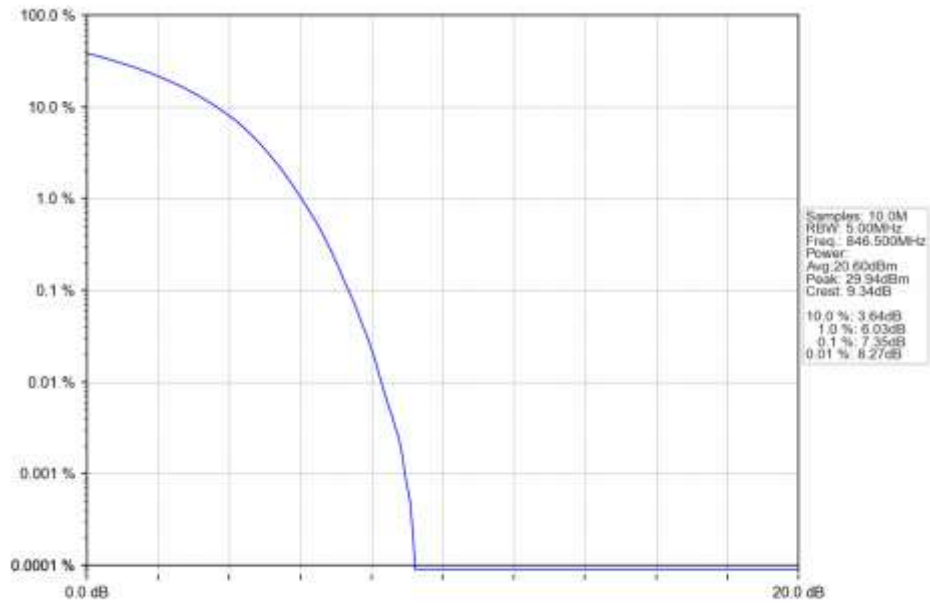
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 826.5MHz Outer Full Ant1



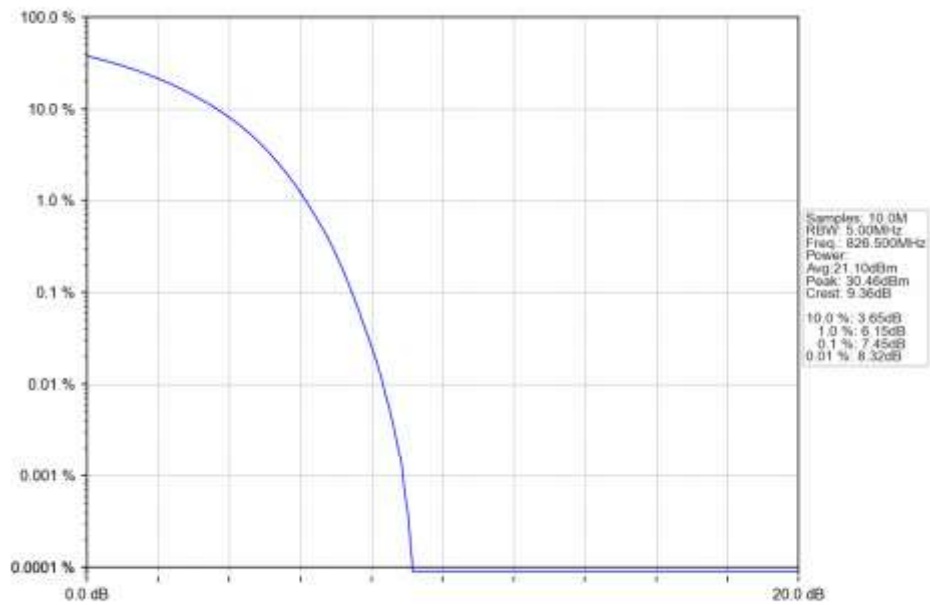
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1



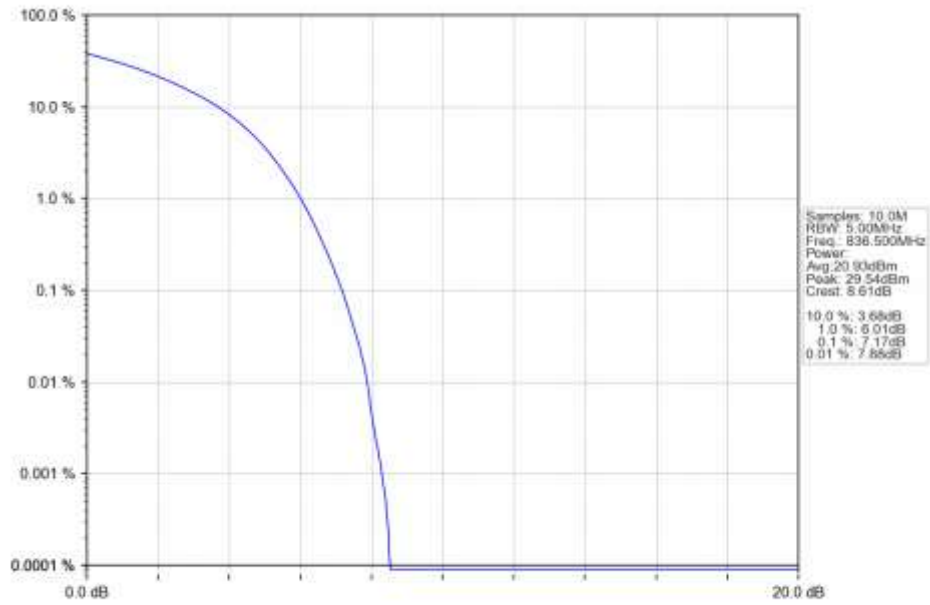
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_846.5MHz_Outer_Full_Ant1



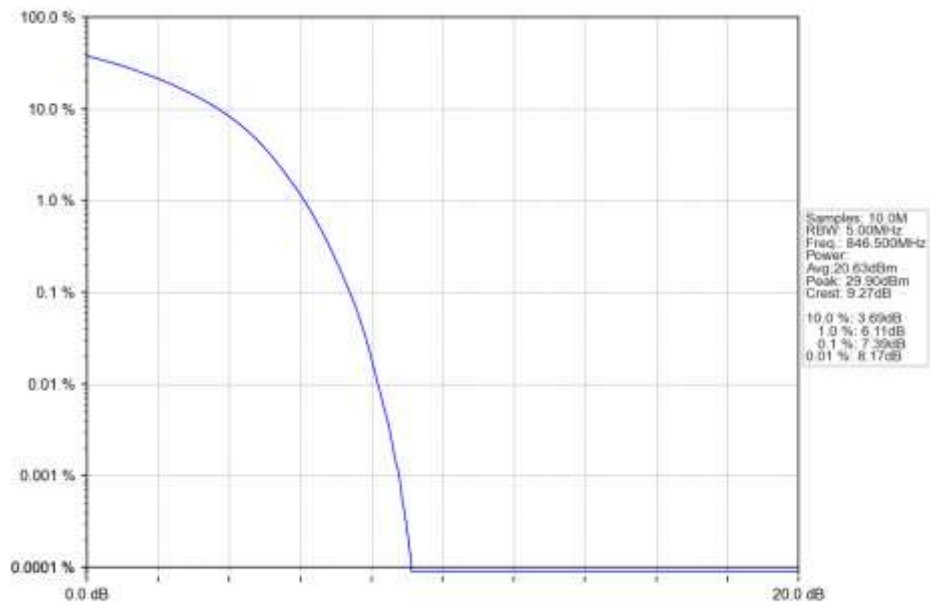
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_826.5MHz_Outer_Full_Ant1



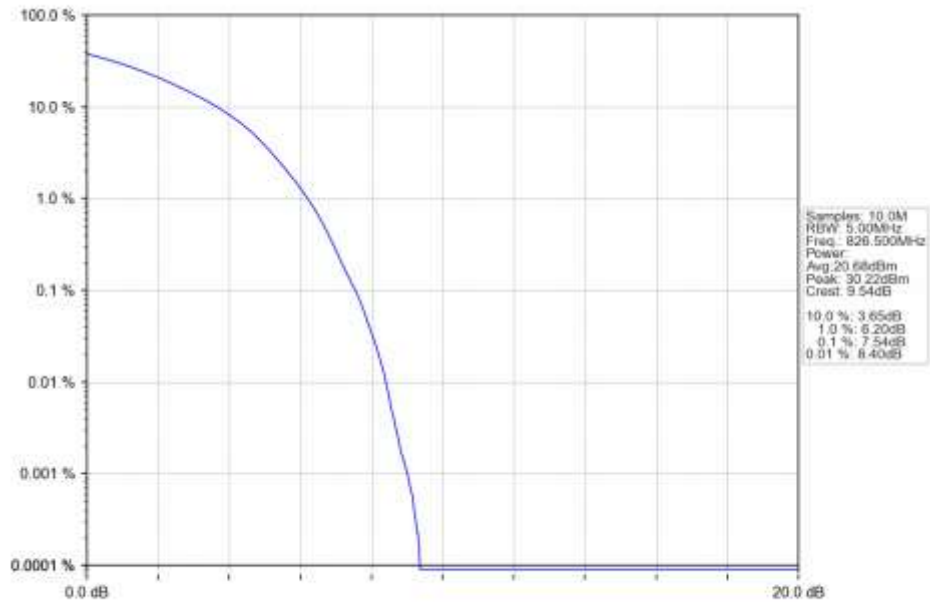
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



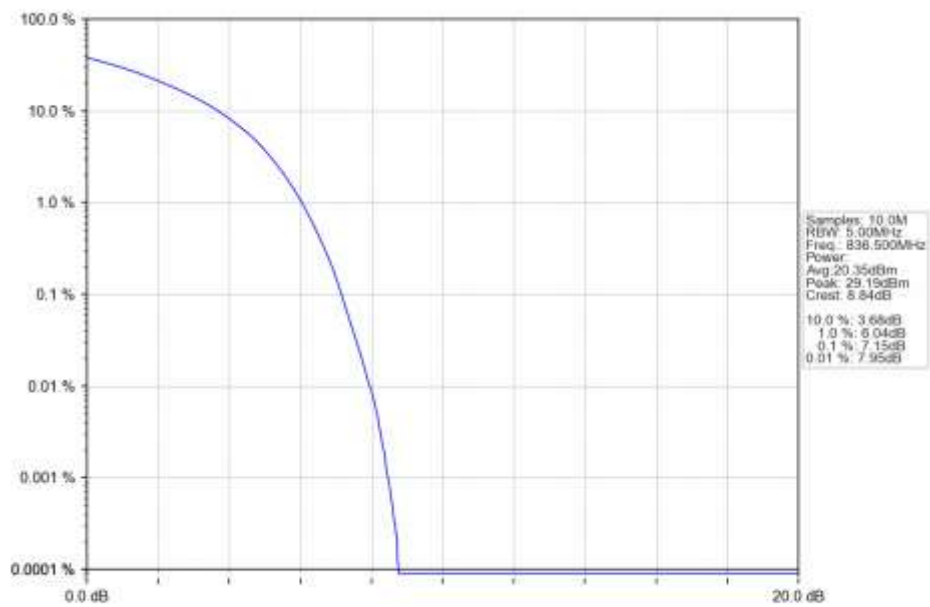
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



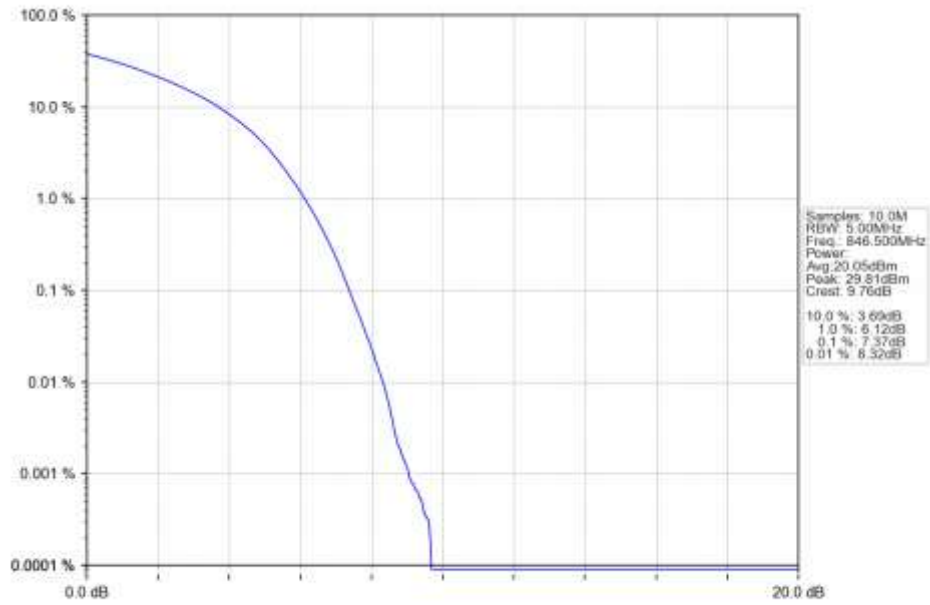
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



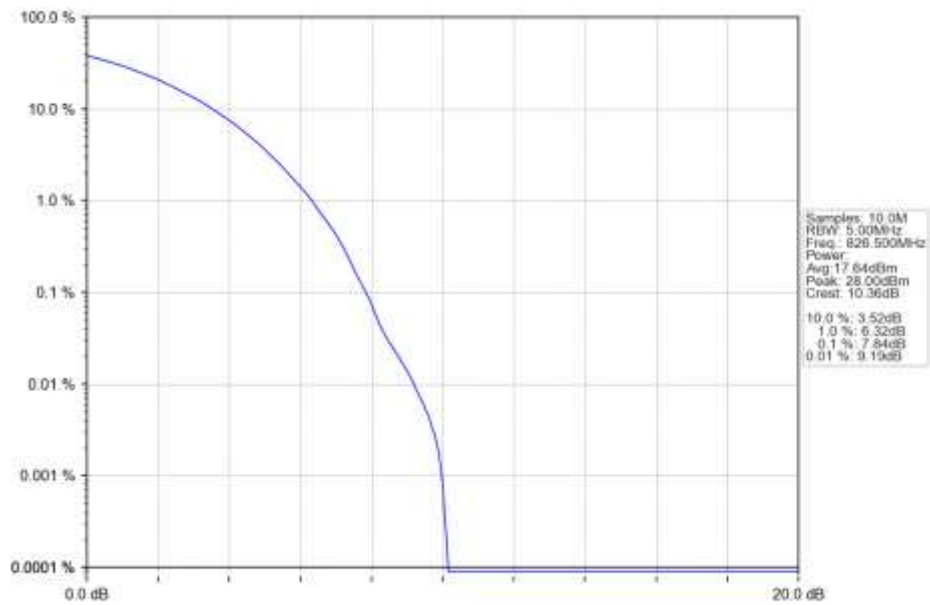
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



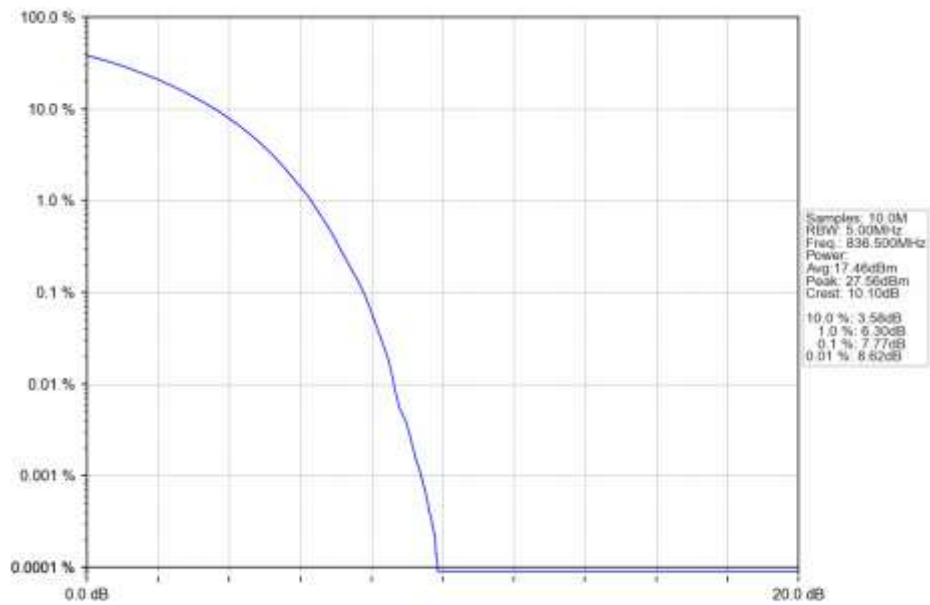
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_846.5MHz_Outer_Full_Ant1



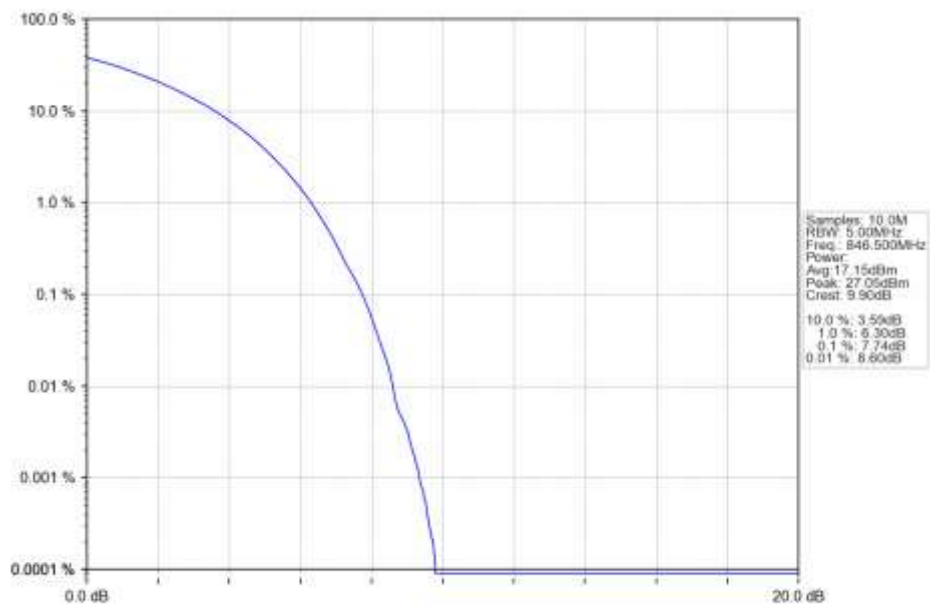
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_826.5MHz_Outer_Full_Ant1



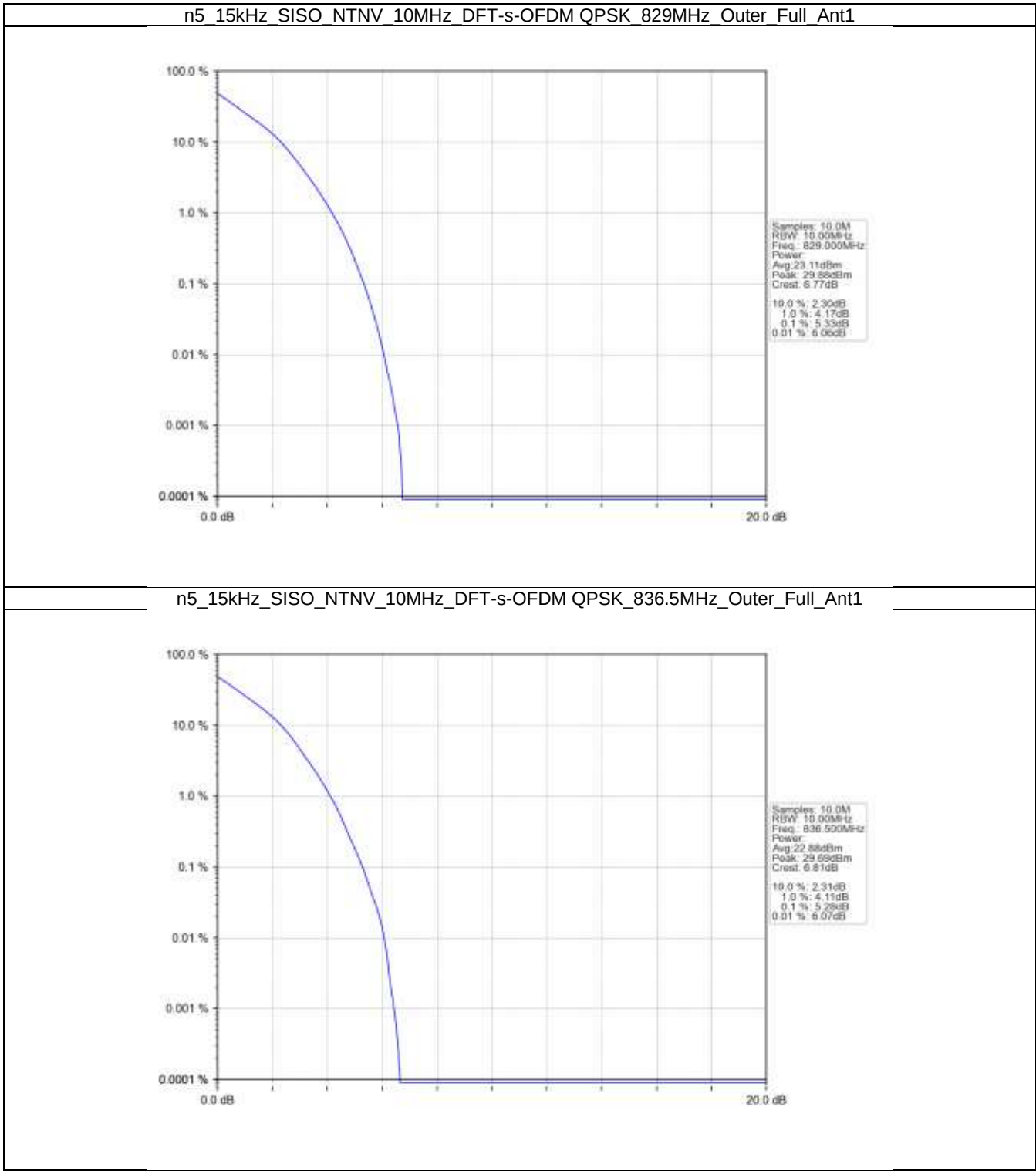
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1



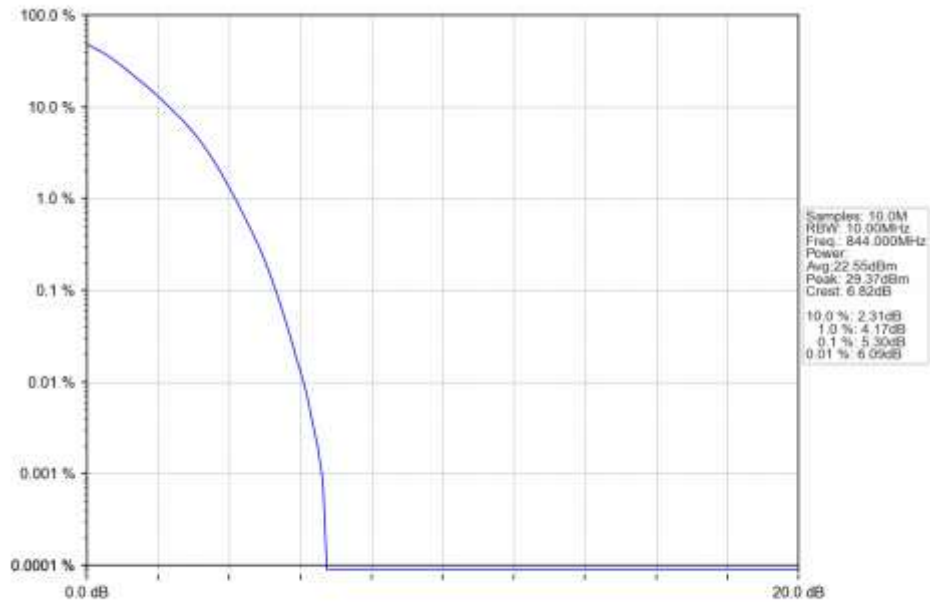
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 846.5MHz Outer Full Ant1



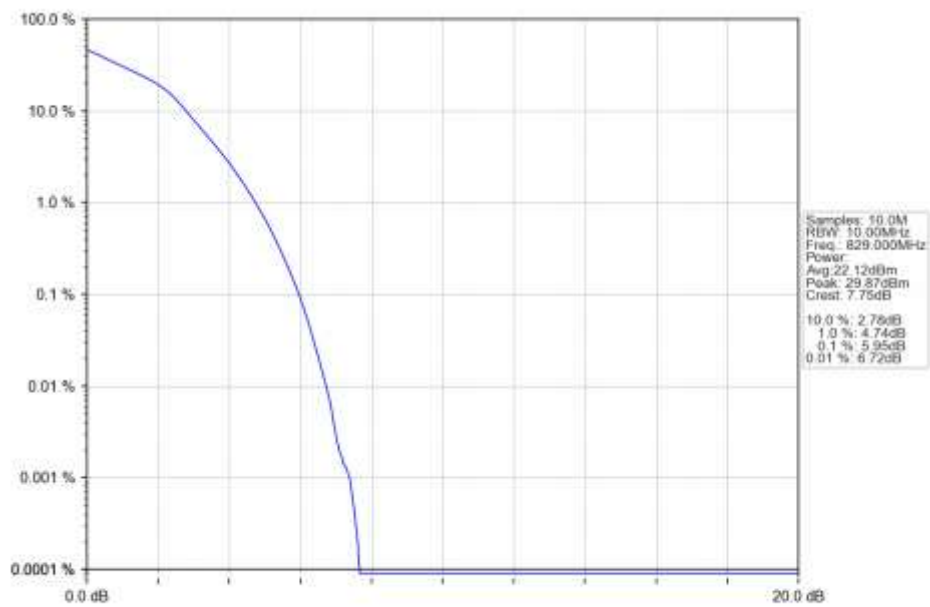
5.2.2 15k_SISO_10MHz_NTNV



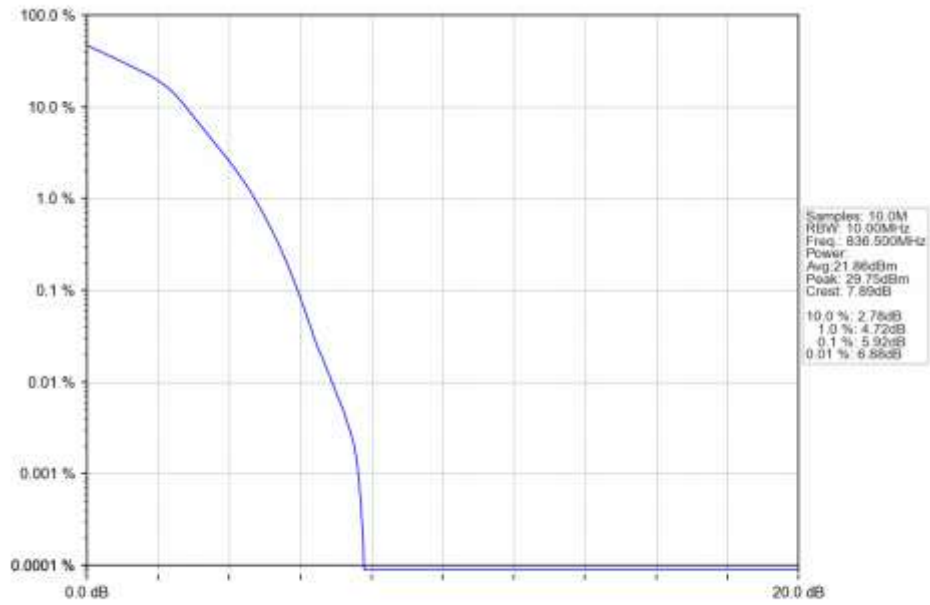
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant1



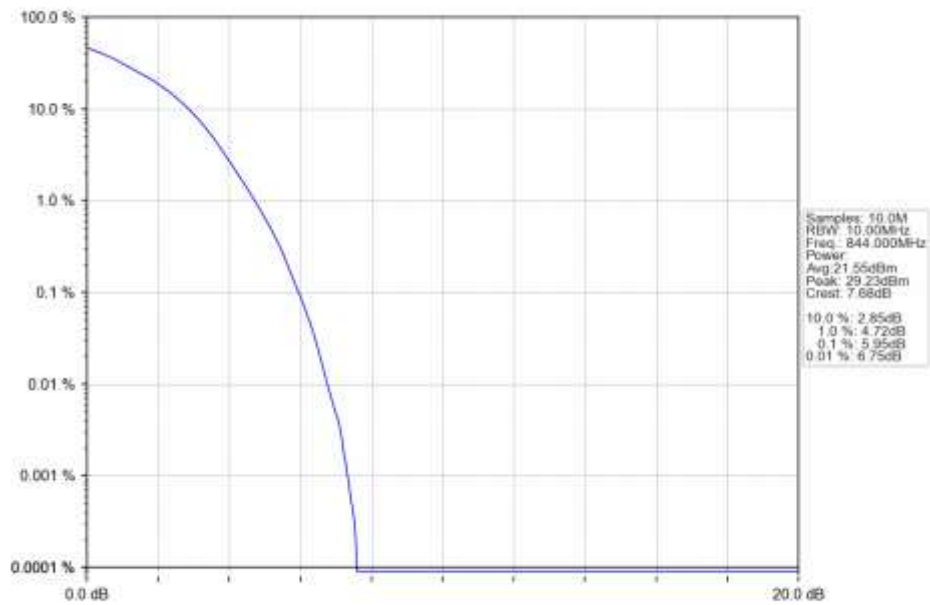
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16QAM_829MHz_Outer_Full_Ant1



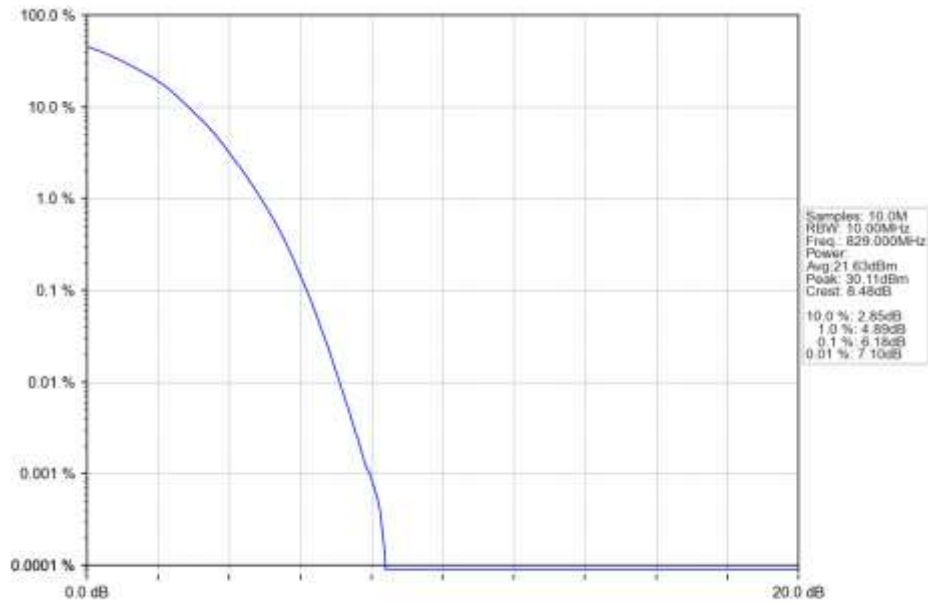
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



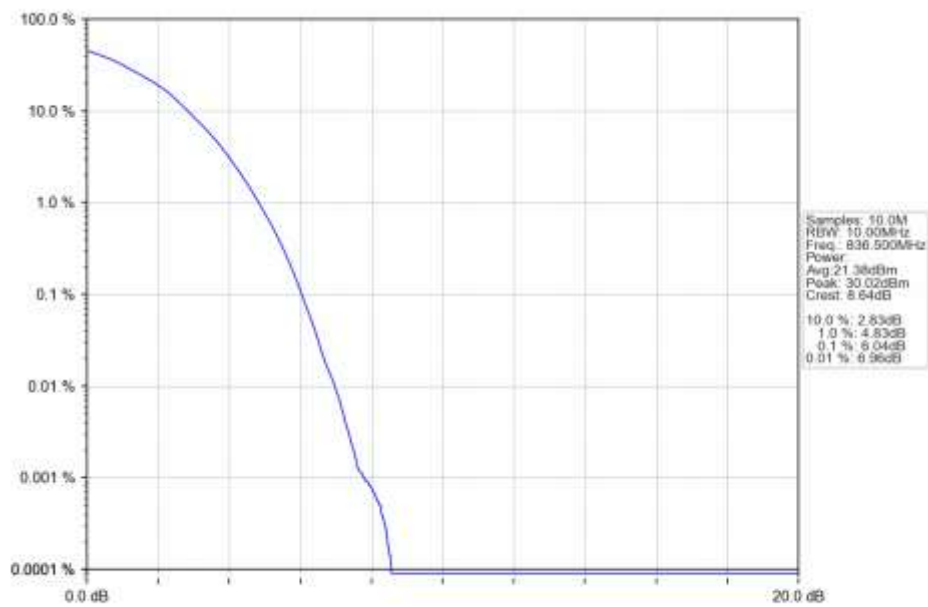
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_844MHz_Outer_Full_Ant1



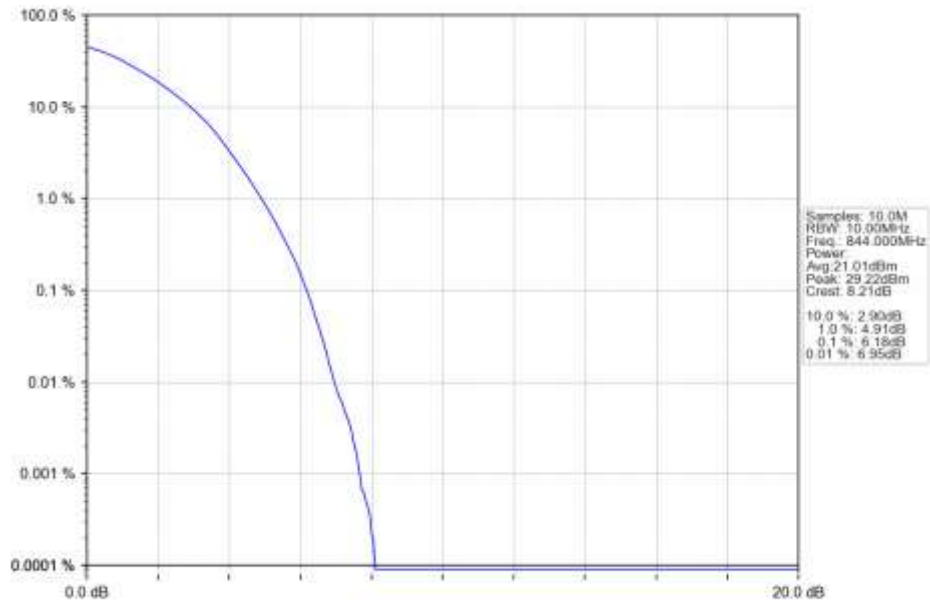
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 829MHz Outer Full Ant1



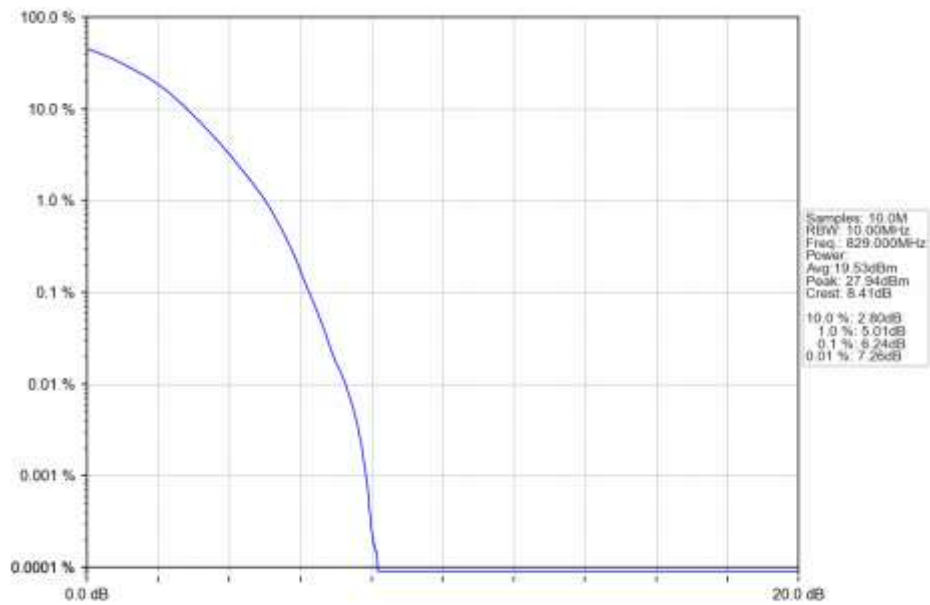
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



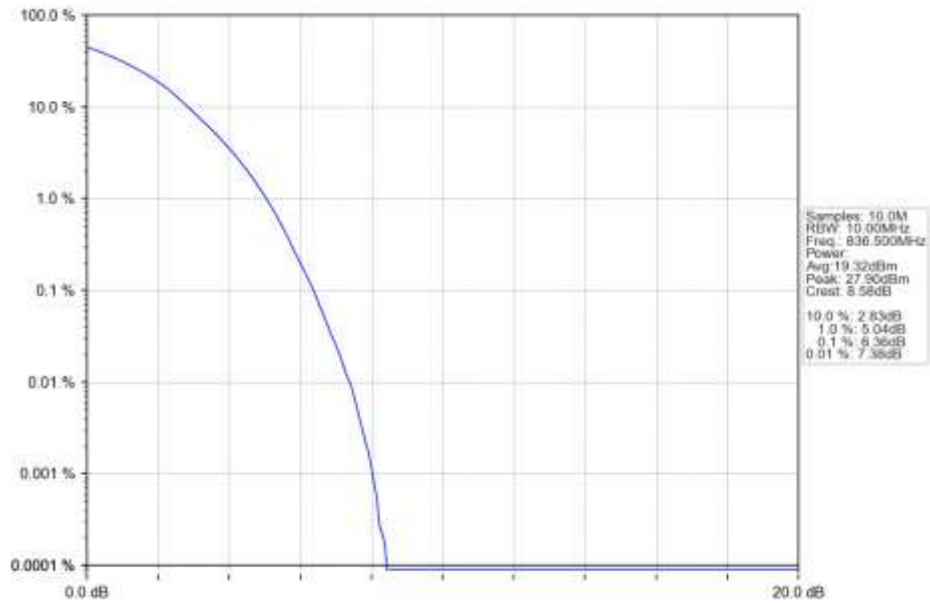
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_844MHz_Outer_Full_Ant1



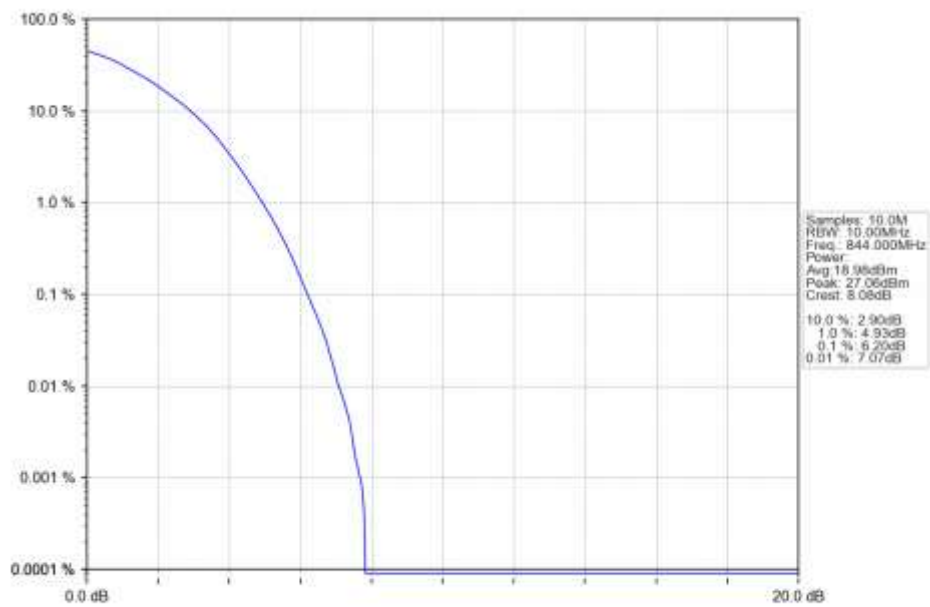
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_829MHz_Outer_Full_Ant1



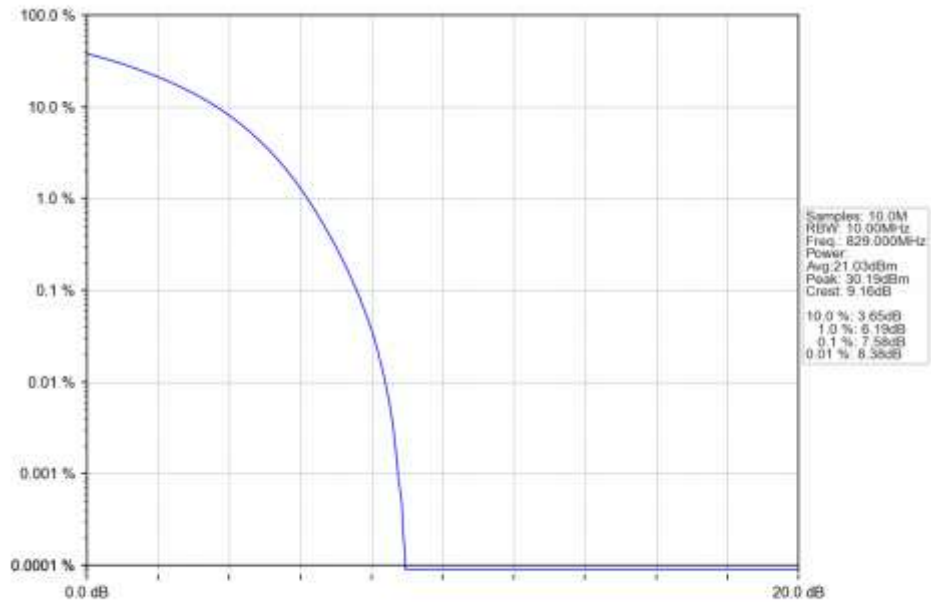
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



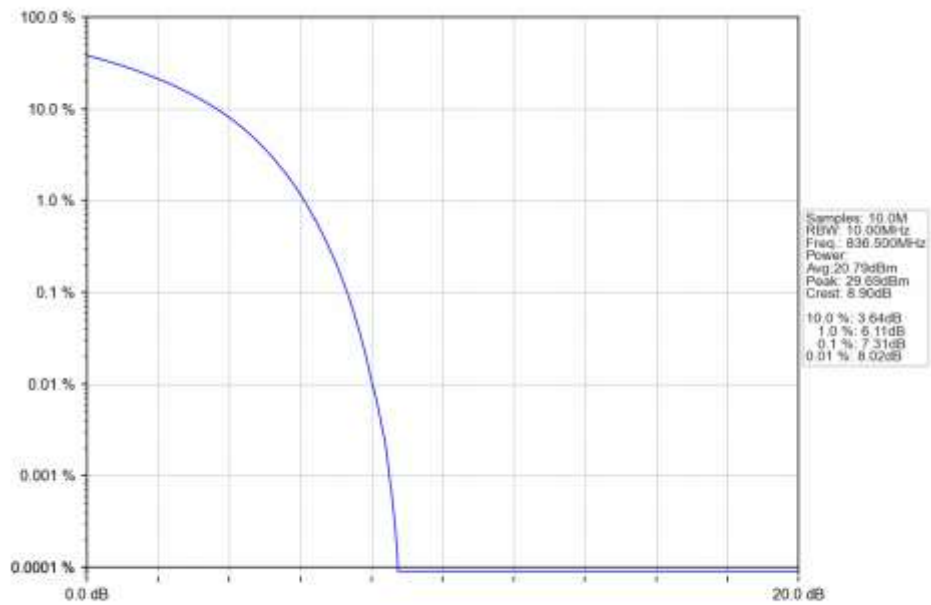
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_844MHz_Outer_Full_Ant1



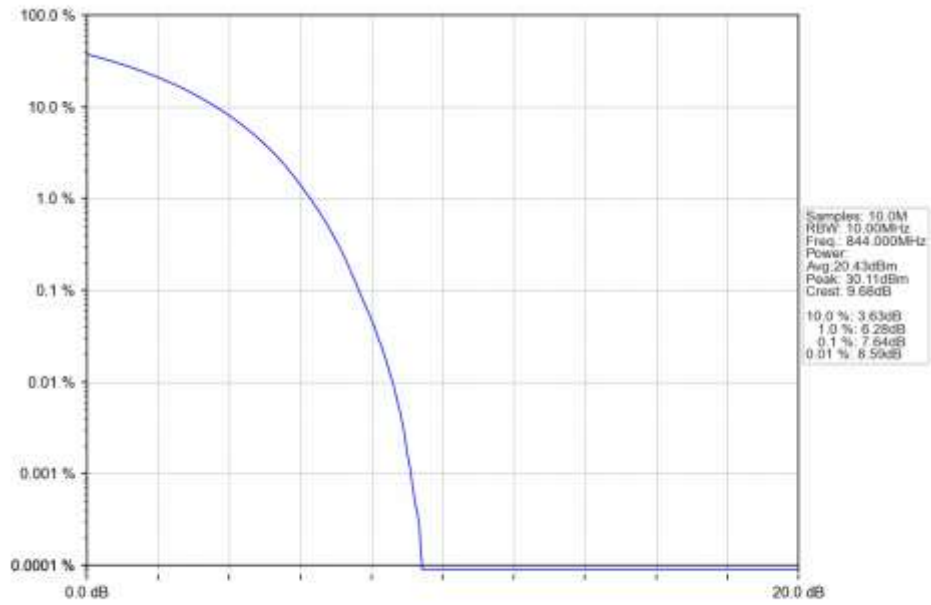
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_829MHz_Outer_Full_Ant1



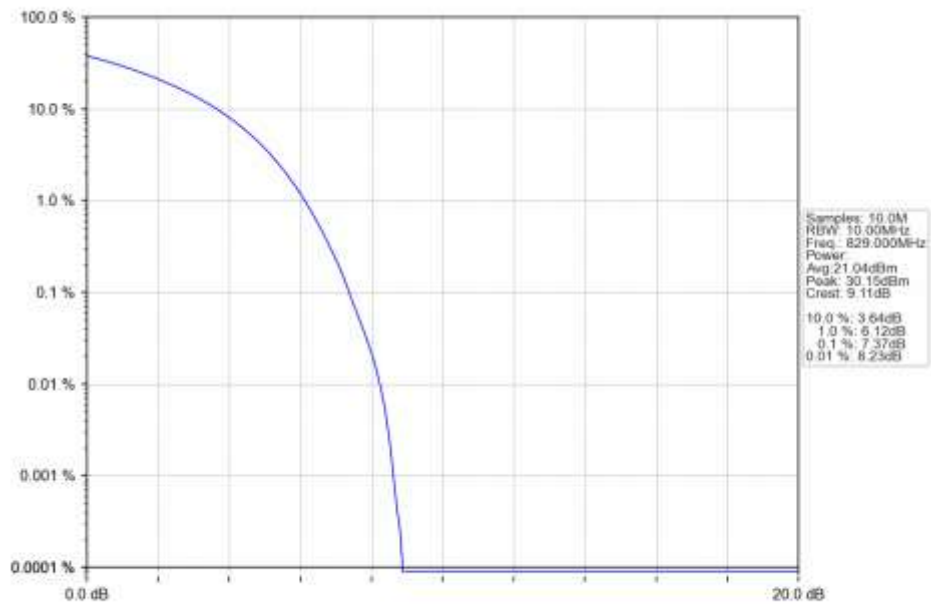
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



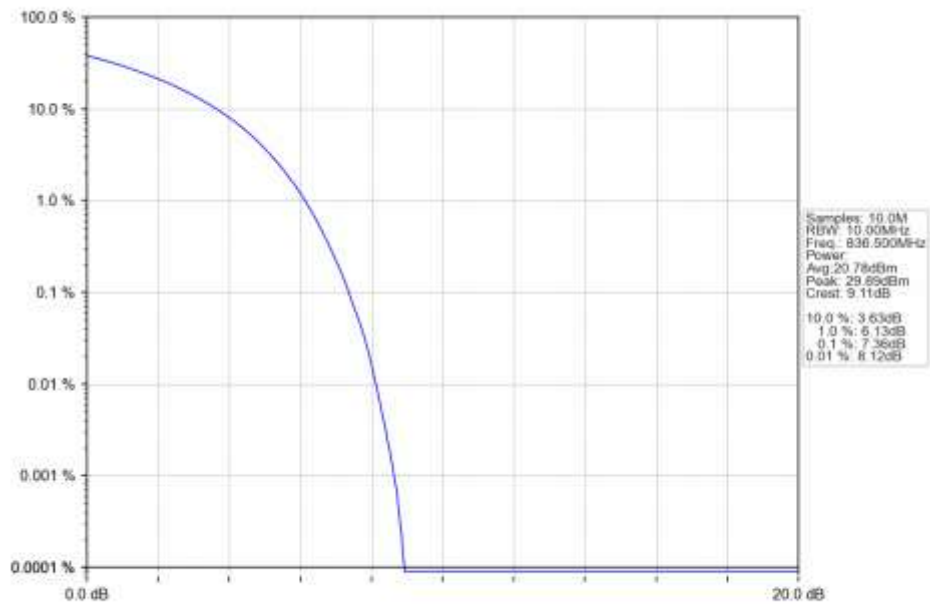
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_844MHz_Outer_Full_Ant1



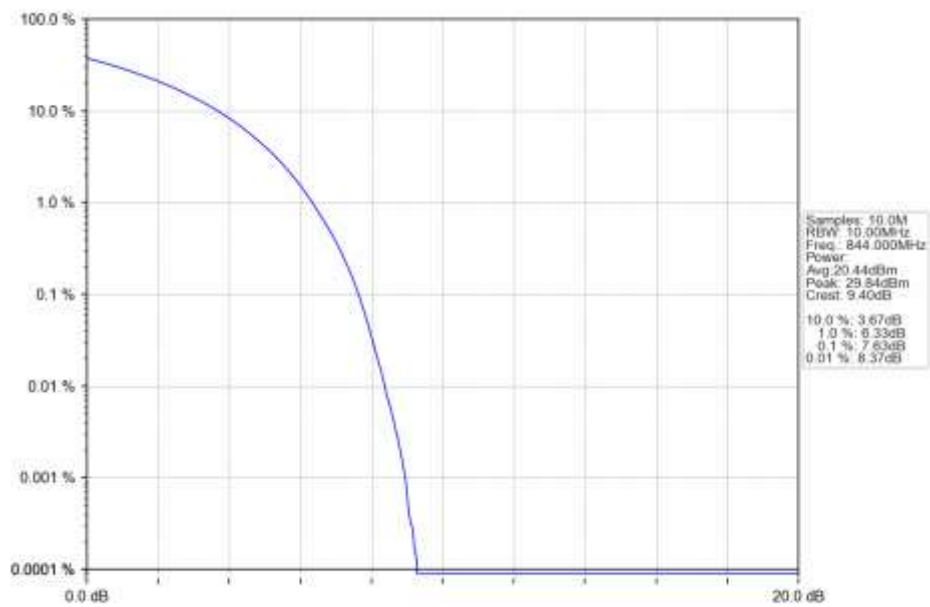
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16QAM_829MHz_Outer_Full_Ant1



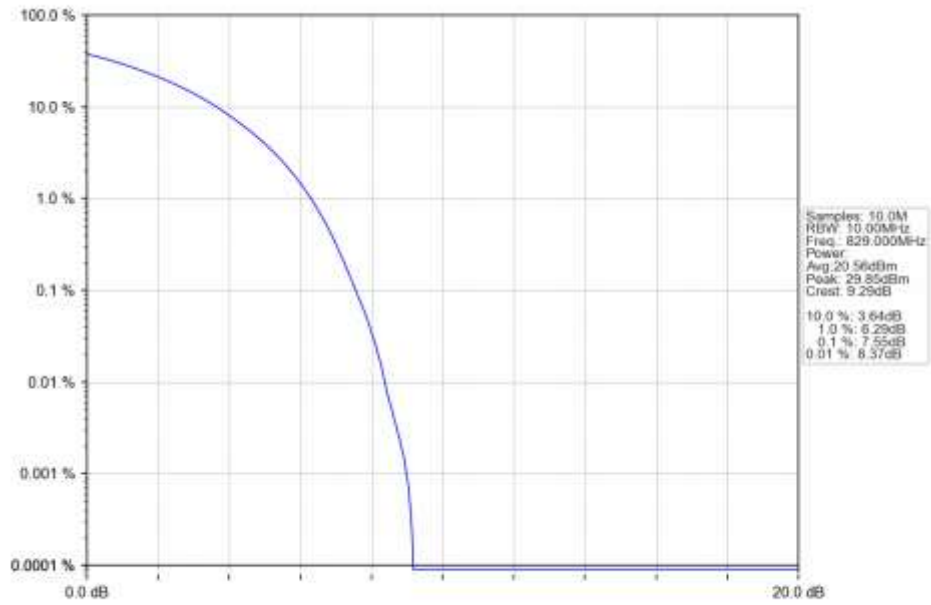
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



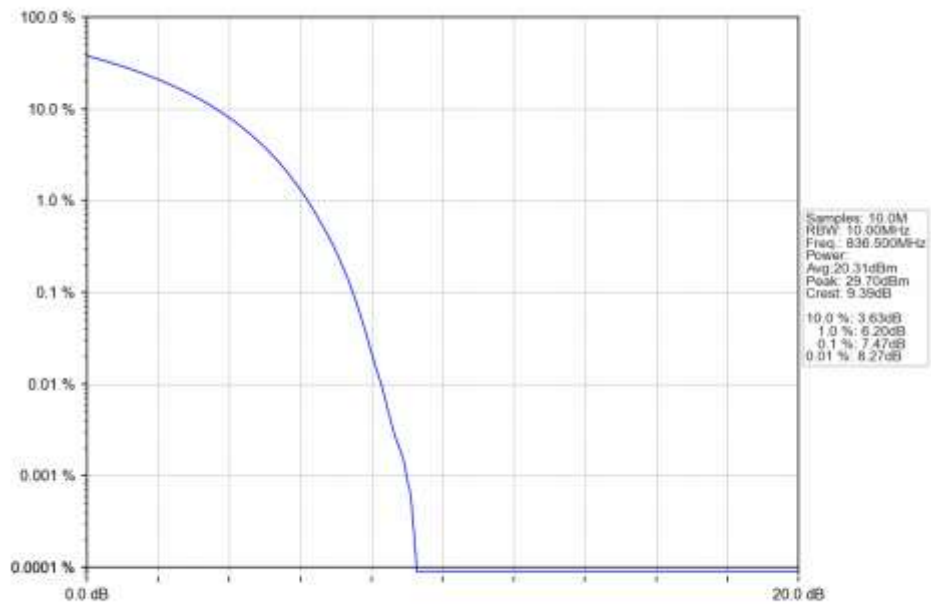
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_844MHz_Outer_Full_Ant1



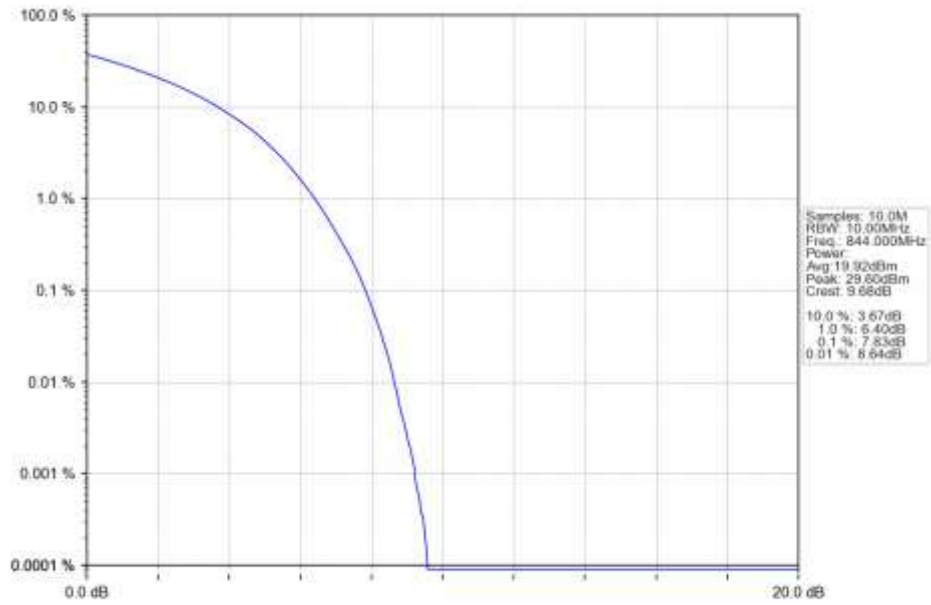
n5 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 829MHz Outer Full Ant1



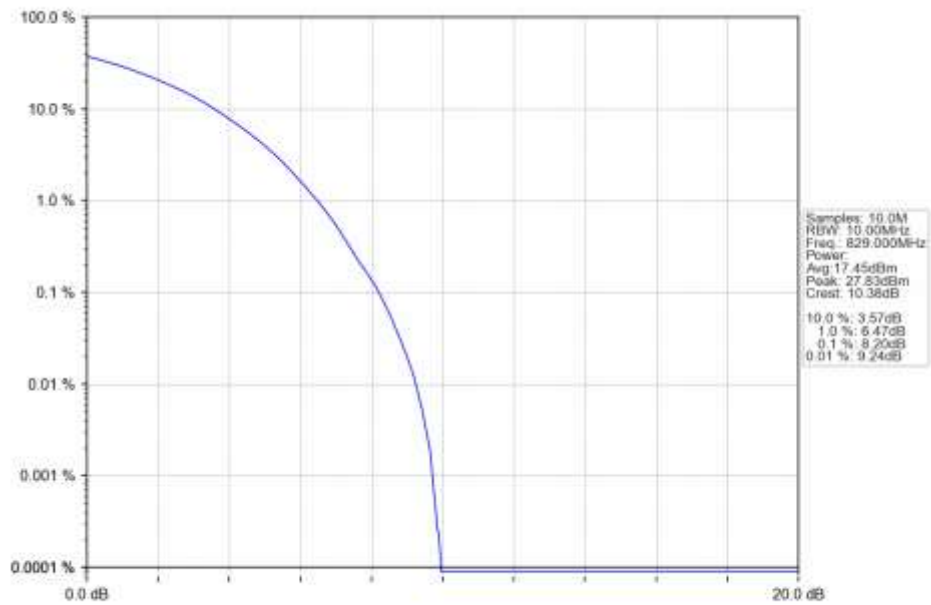
n5 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



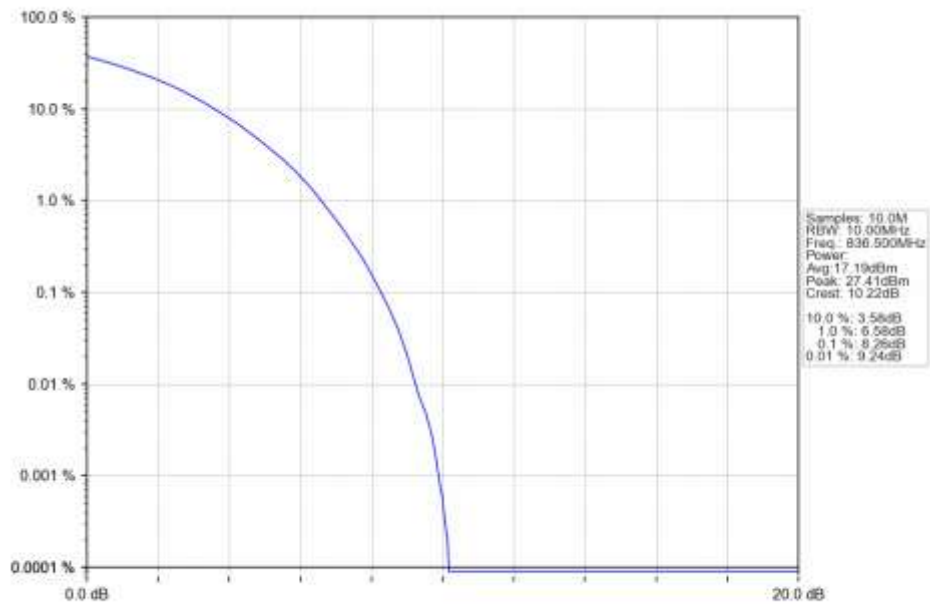
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_844MHz_Outer_Full_Ant1



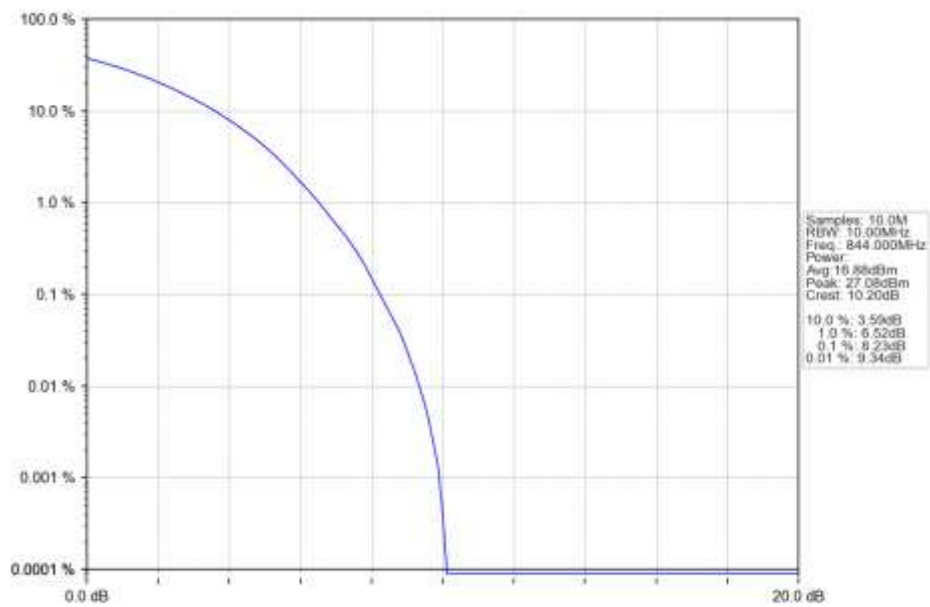
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full_Ant1



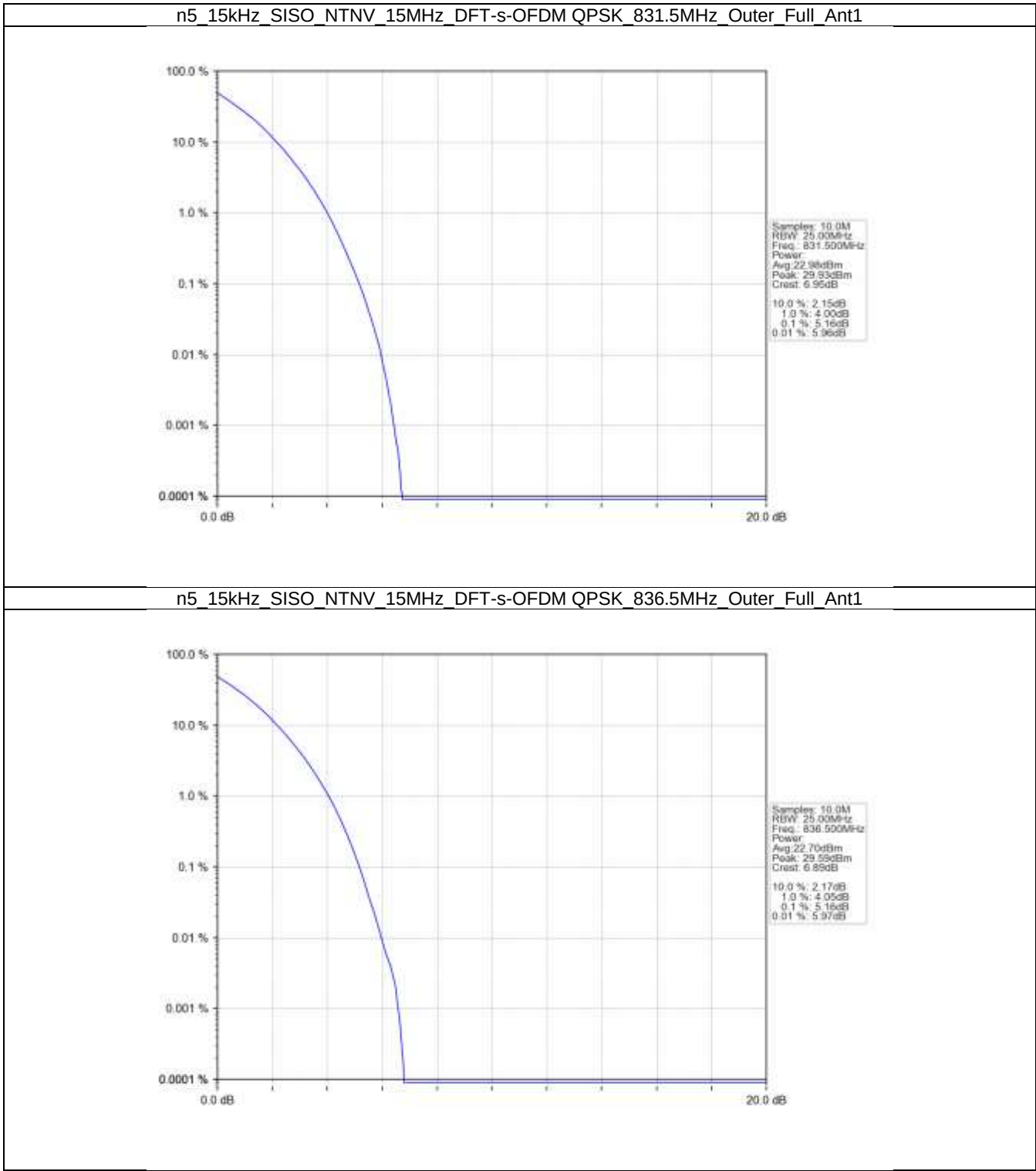
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



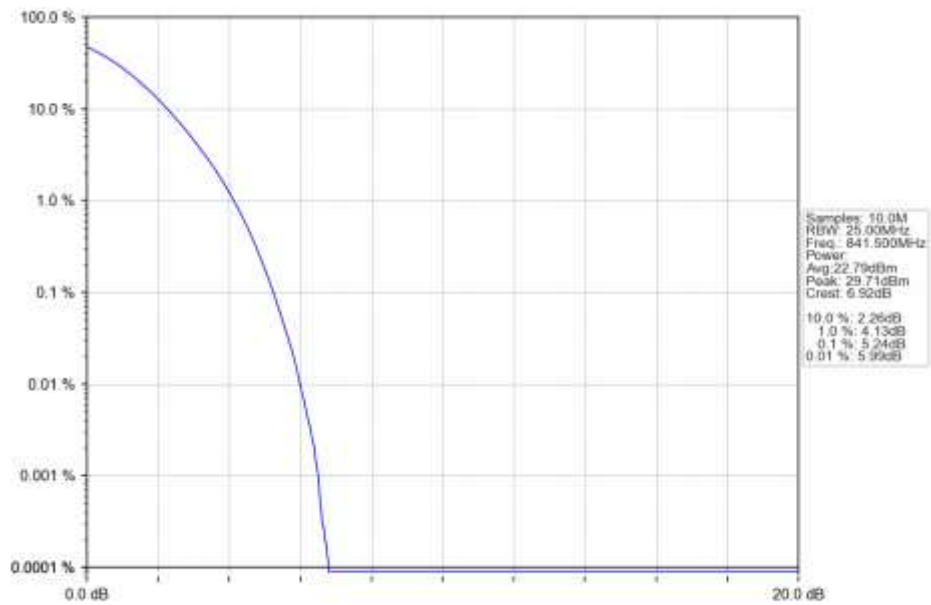
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_844MHz_Outer_Full_Ant1



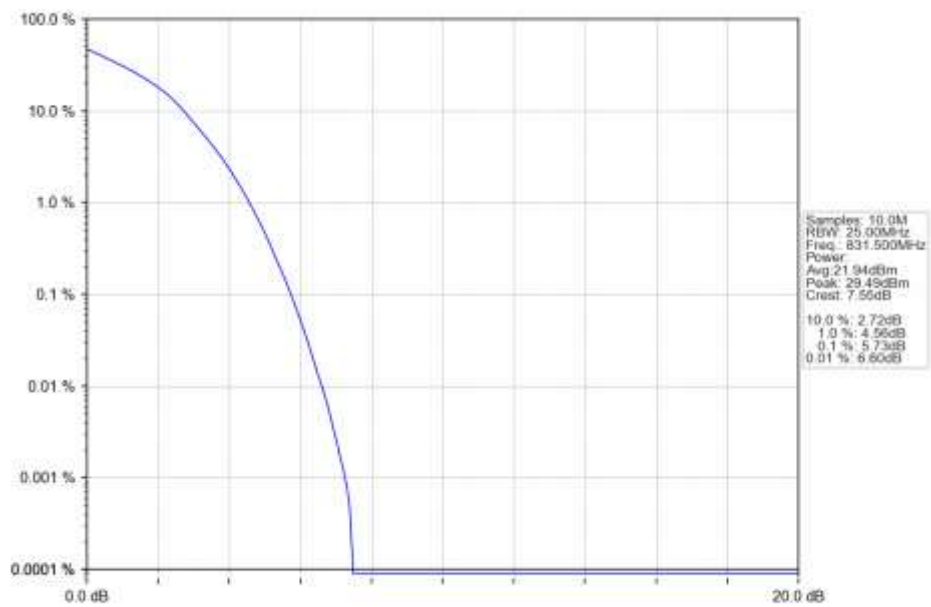
5.2.3 15k_SISO_15MHz_NTNV



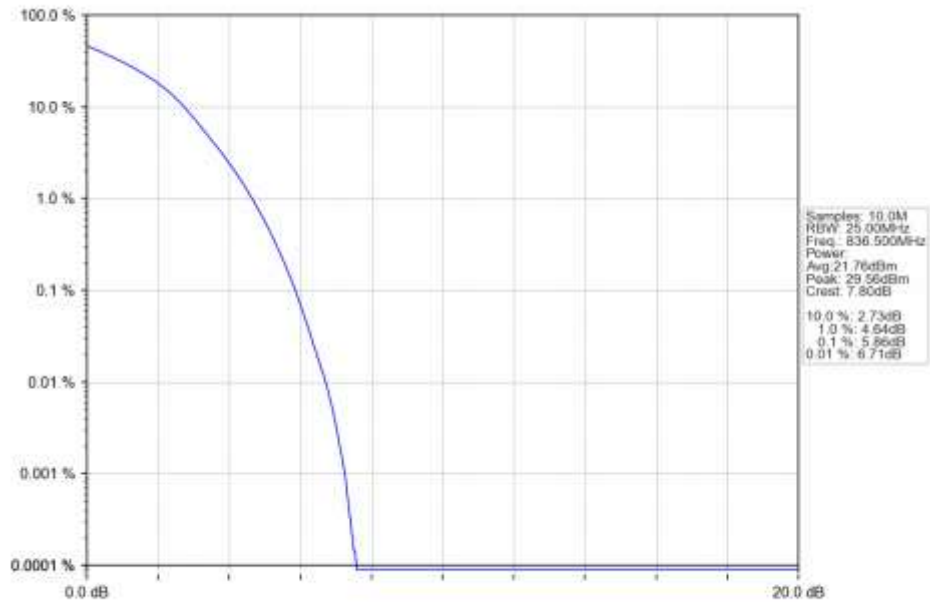
n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



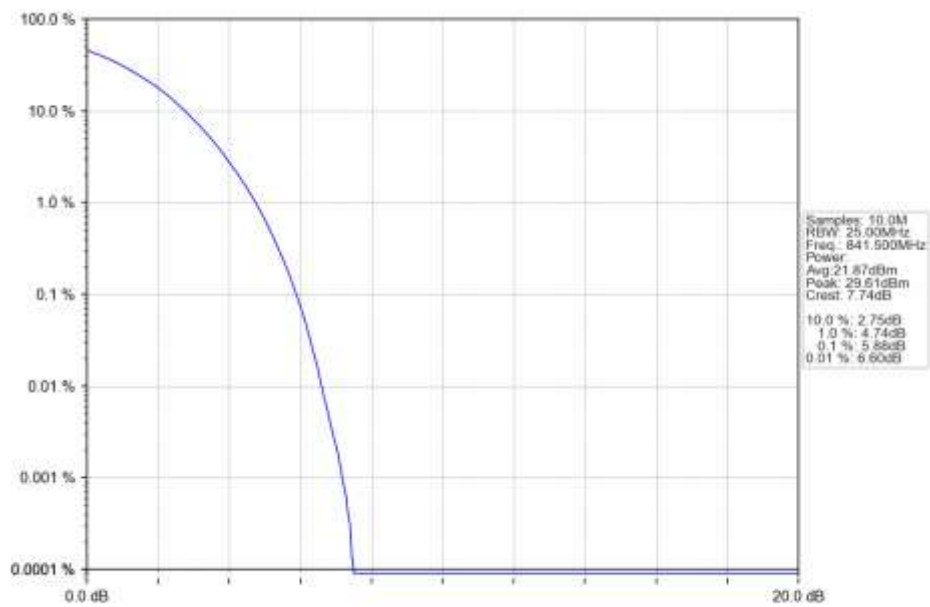
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



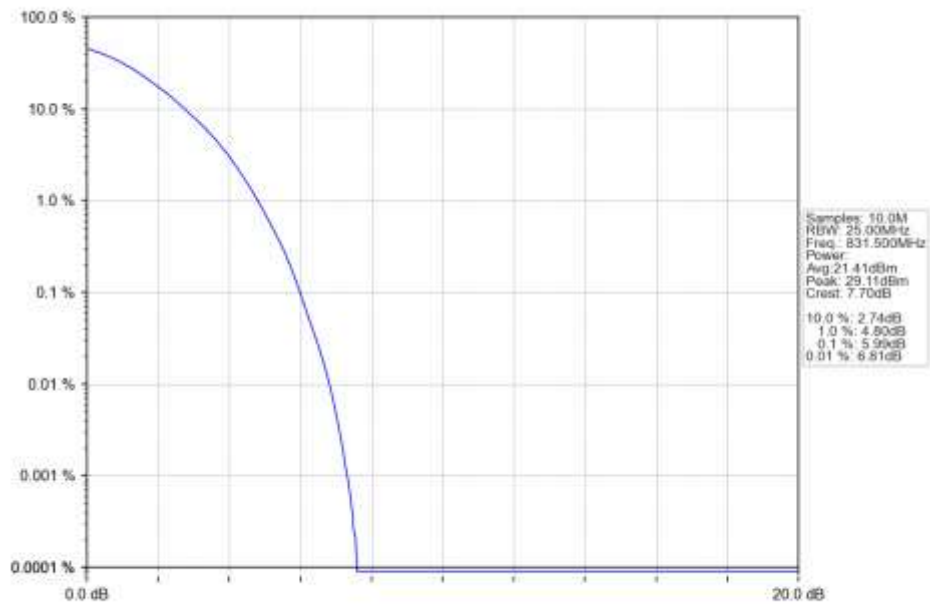
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



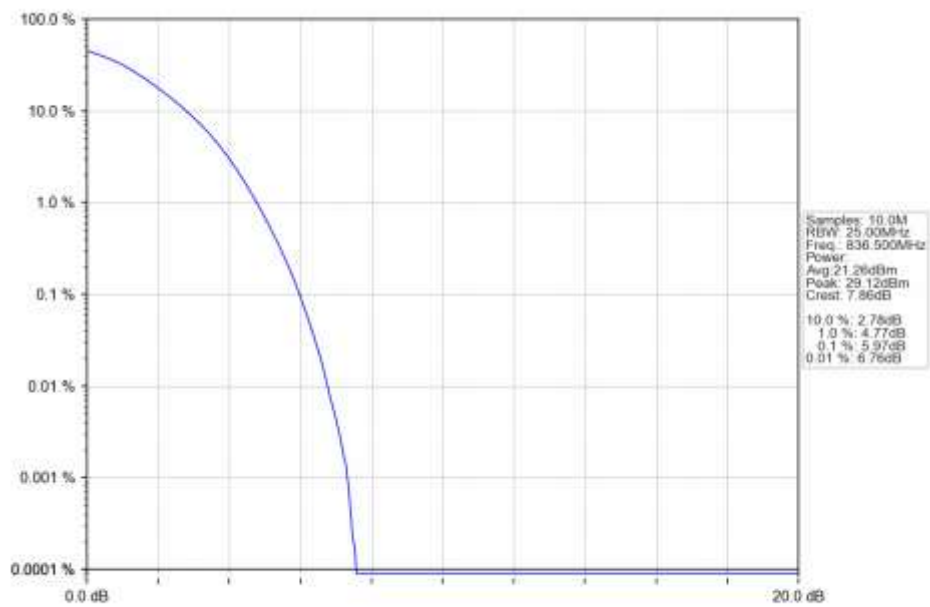
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full Ant1



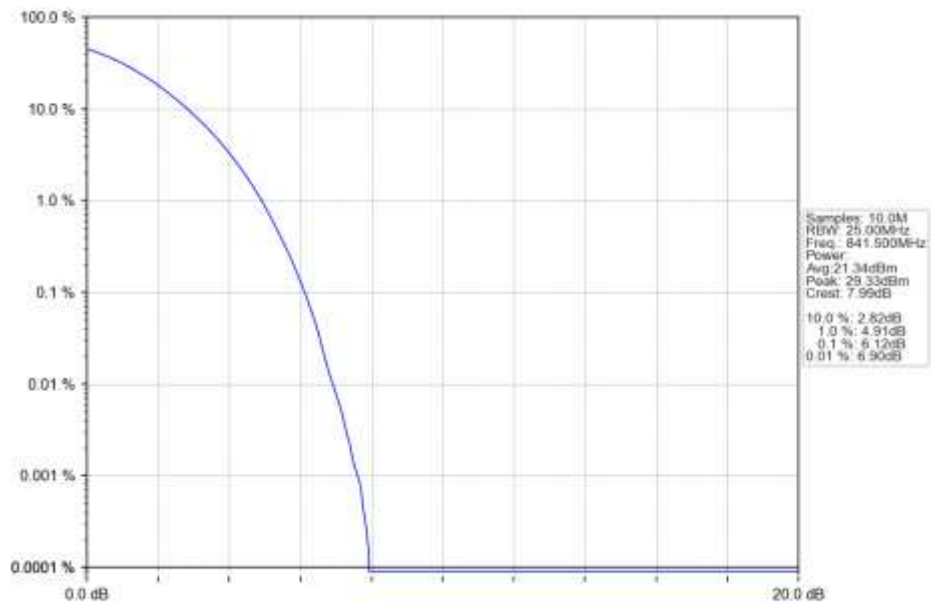
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1



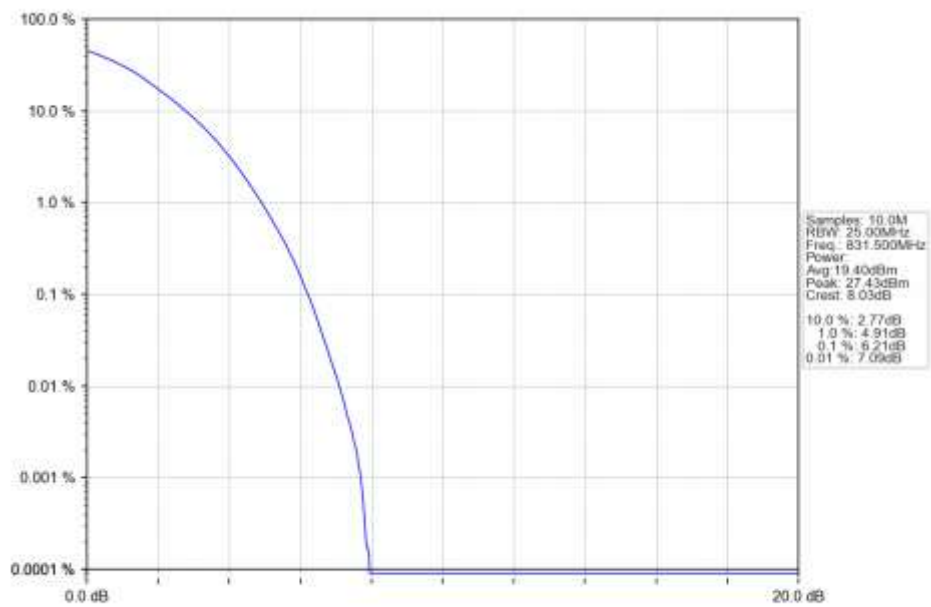
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



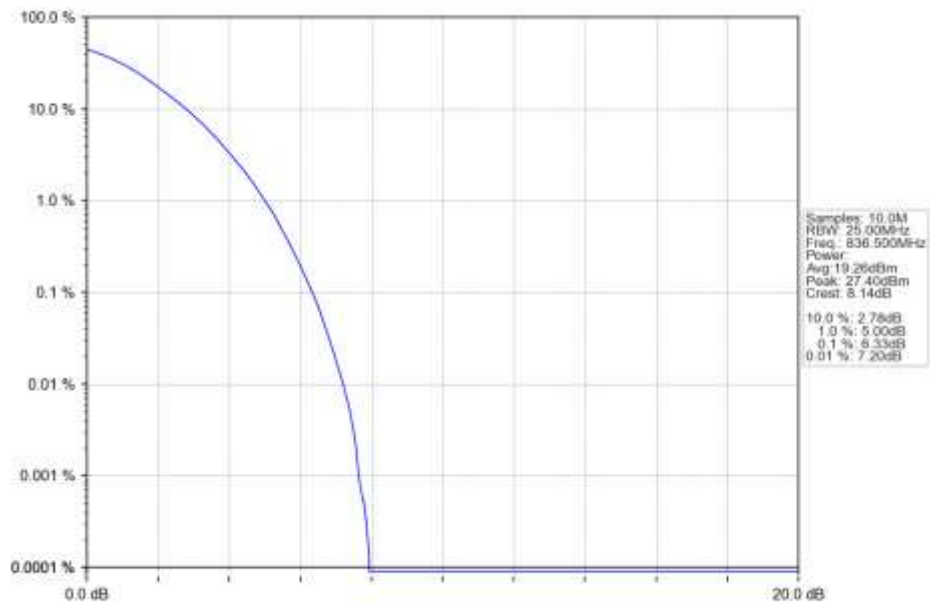
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_841.5MHz_Outer_Full_Ant1



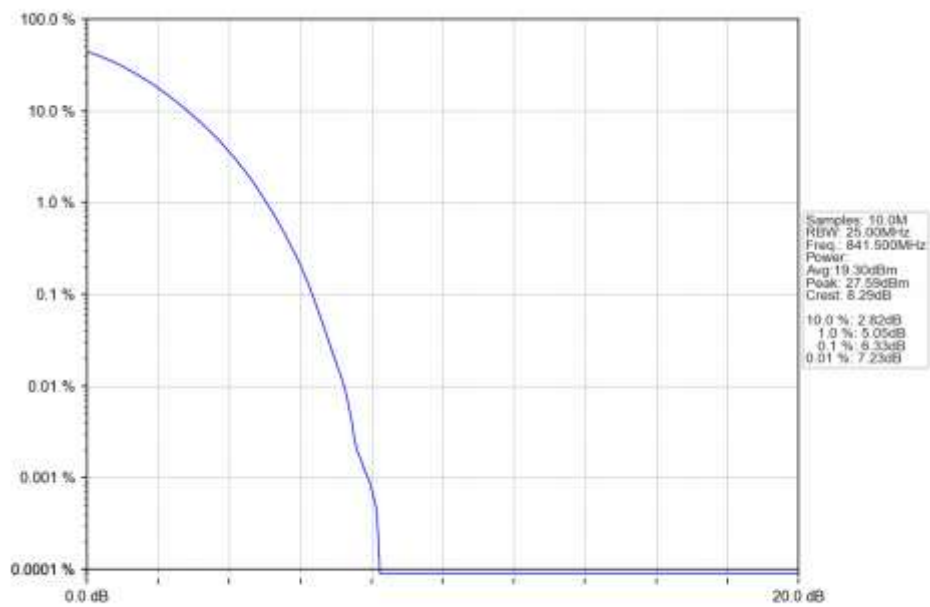
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_831.5MHz_Outer_Full_Ant1



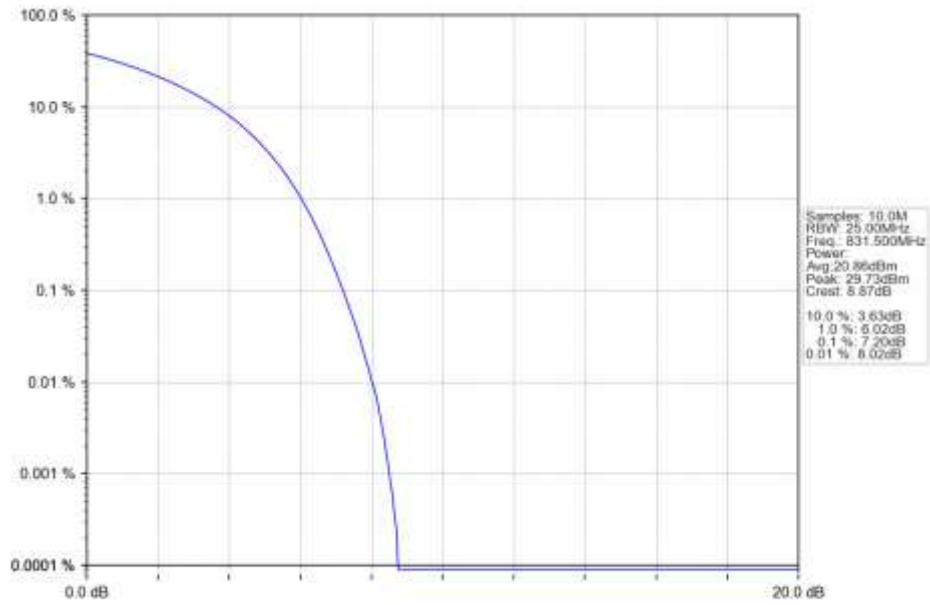
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



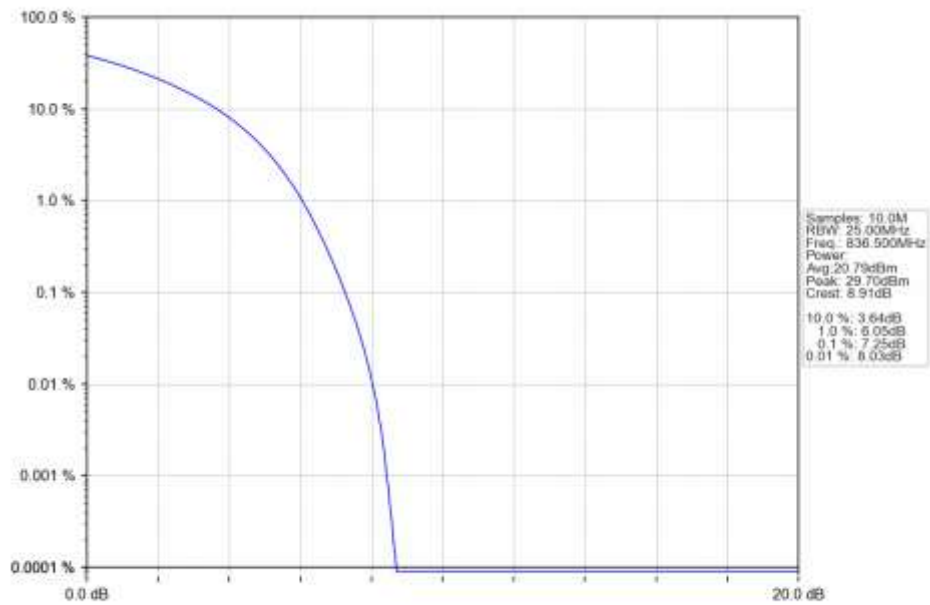
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_841.5MHz_Outer_Full_Ant1



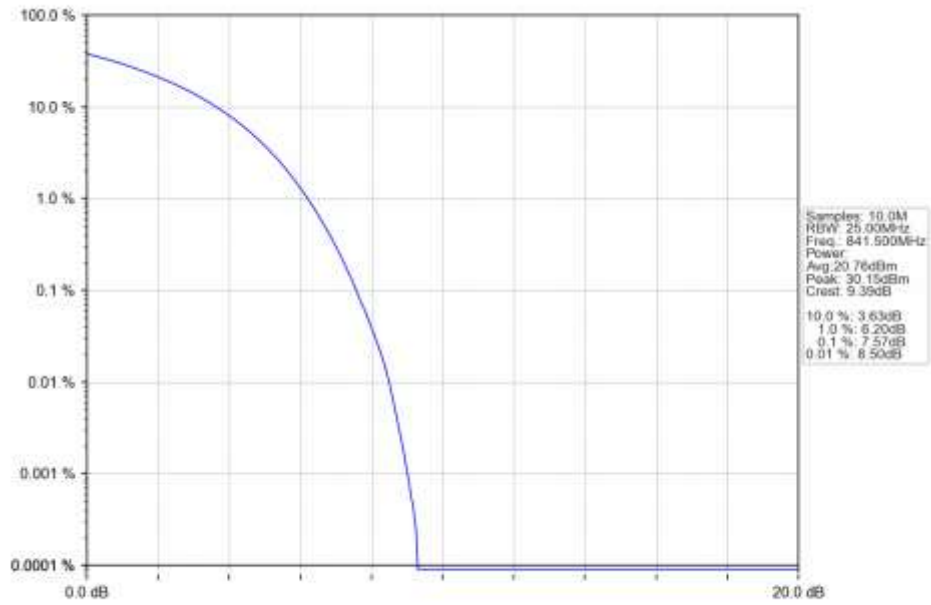
n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full Ant1



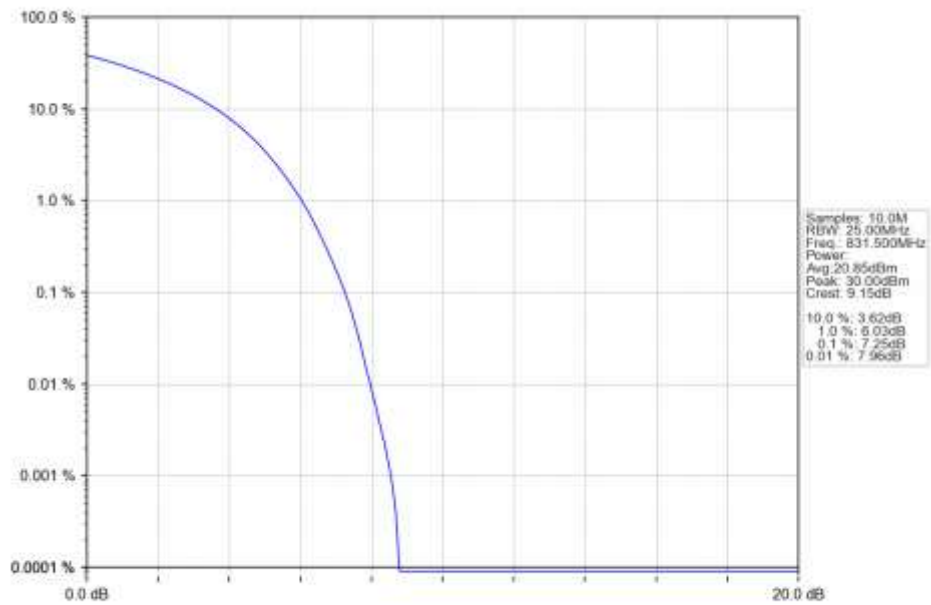
n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1



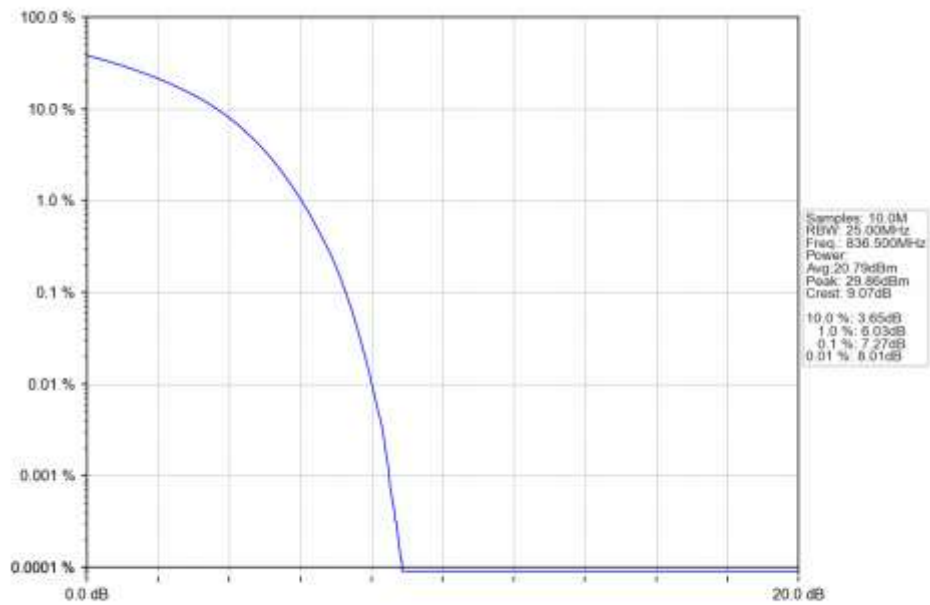
n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full Ant1



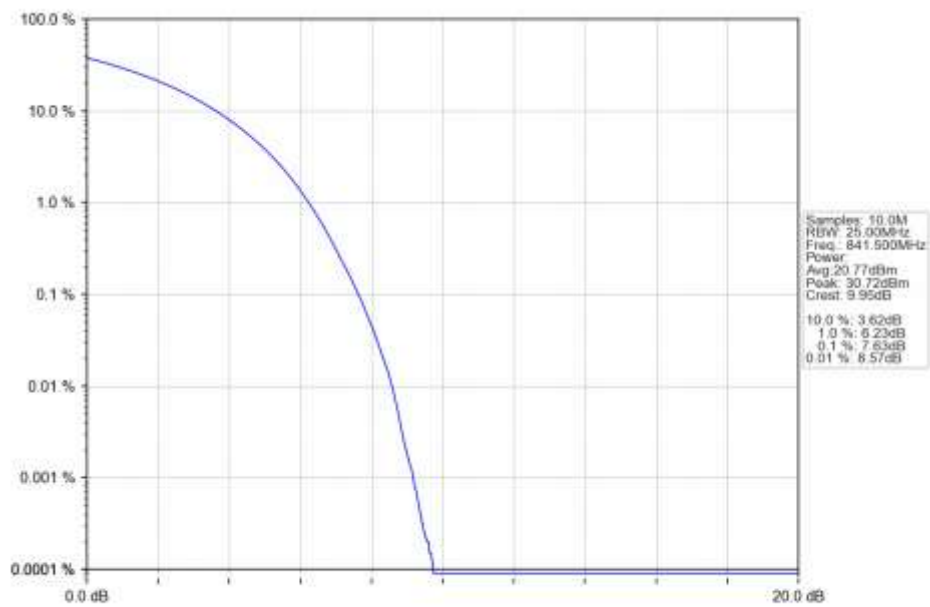
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full Ant1



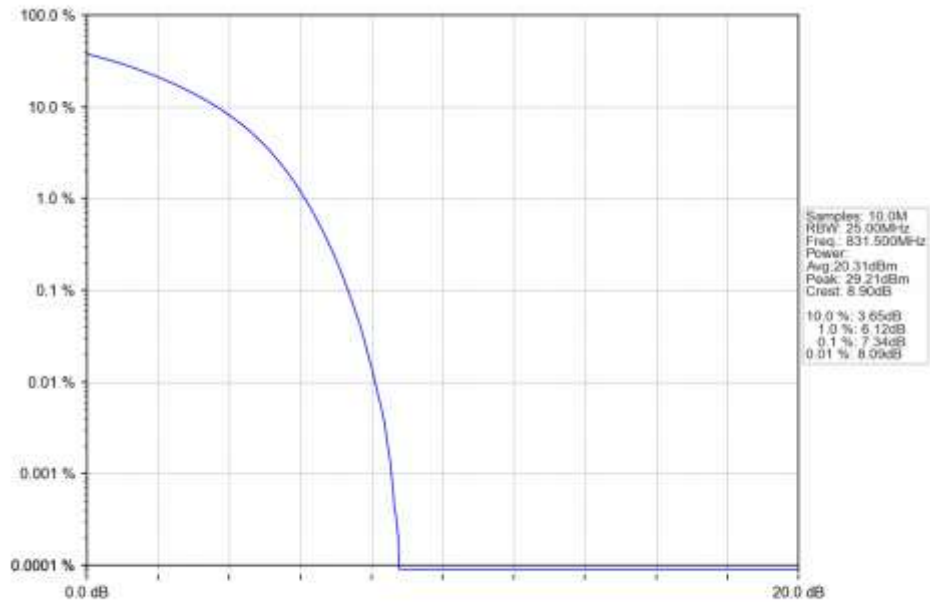
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1



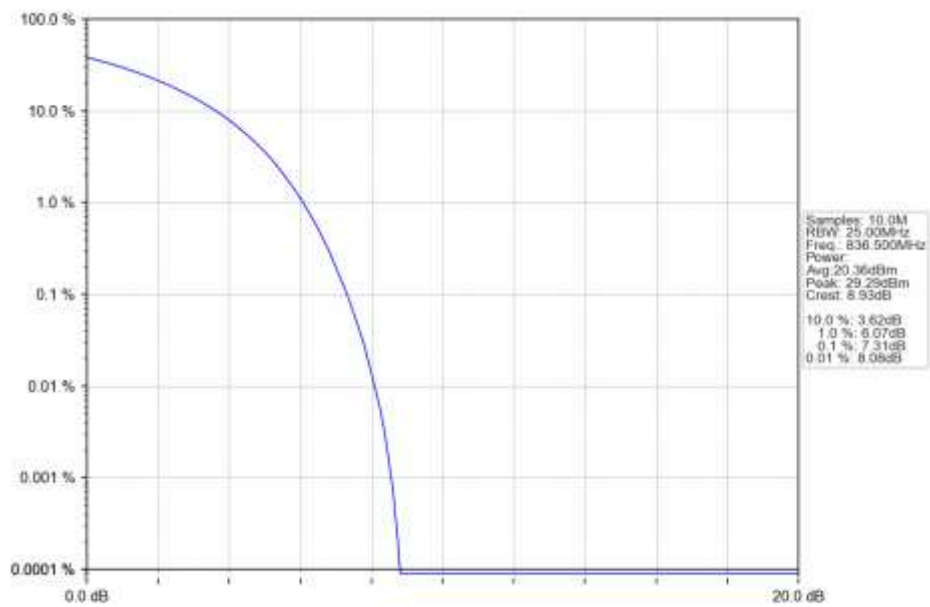
n5 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full Ant1



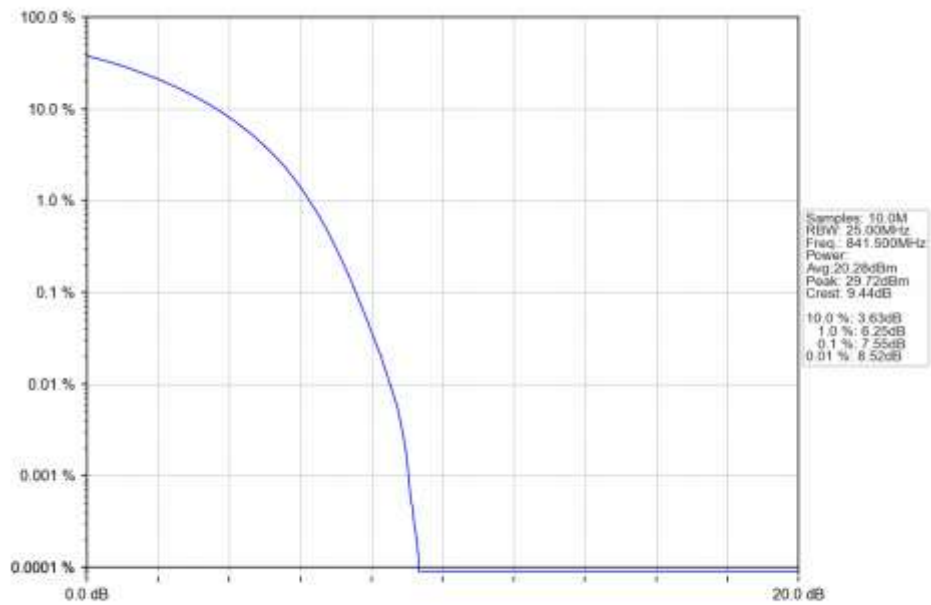
n5 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full Ant1



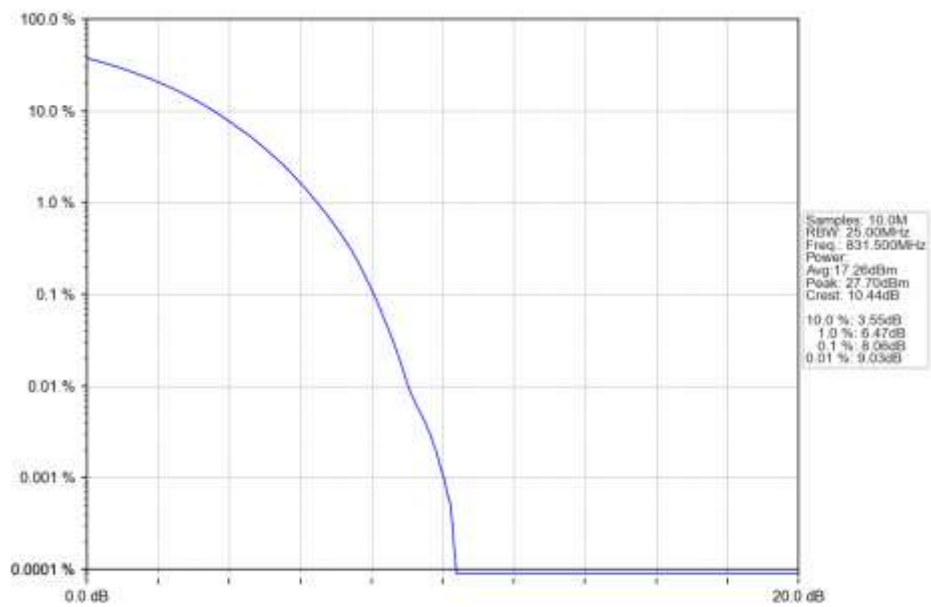
n5 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



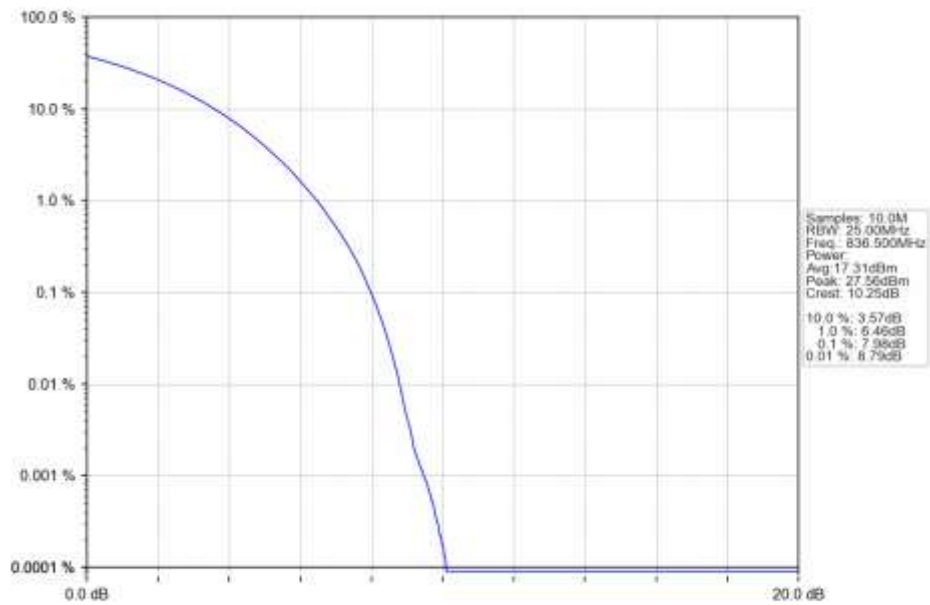
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_841.5MHz_Outer_Full_Ant1



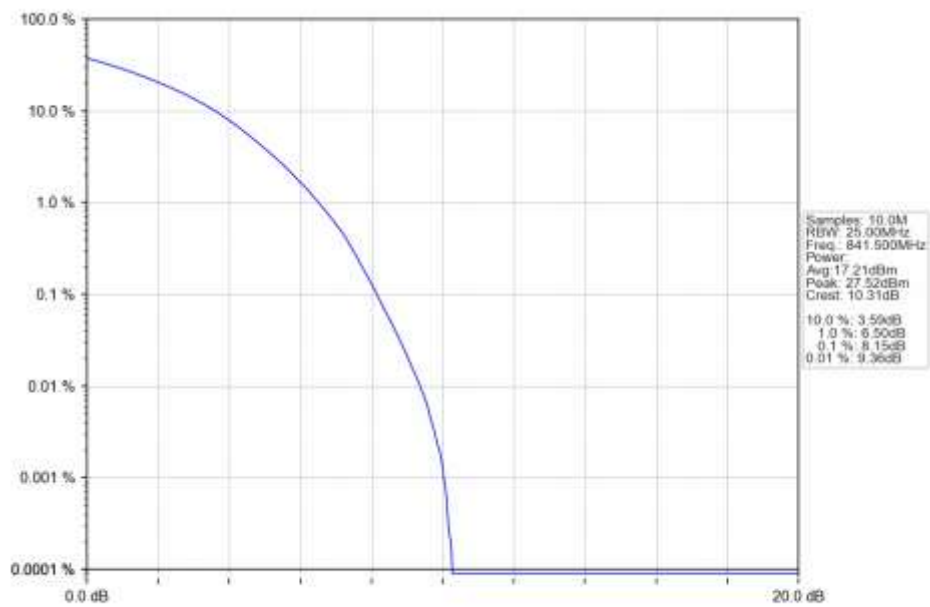
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_831.5MHz_Outer_Full_Ant1



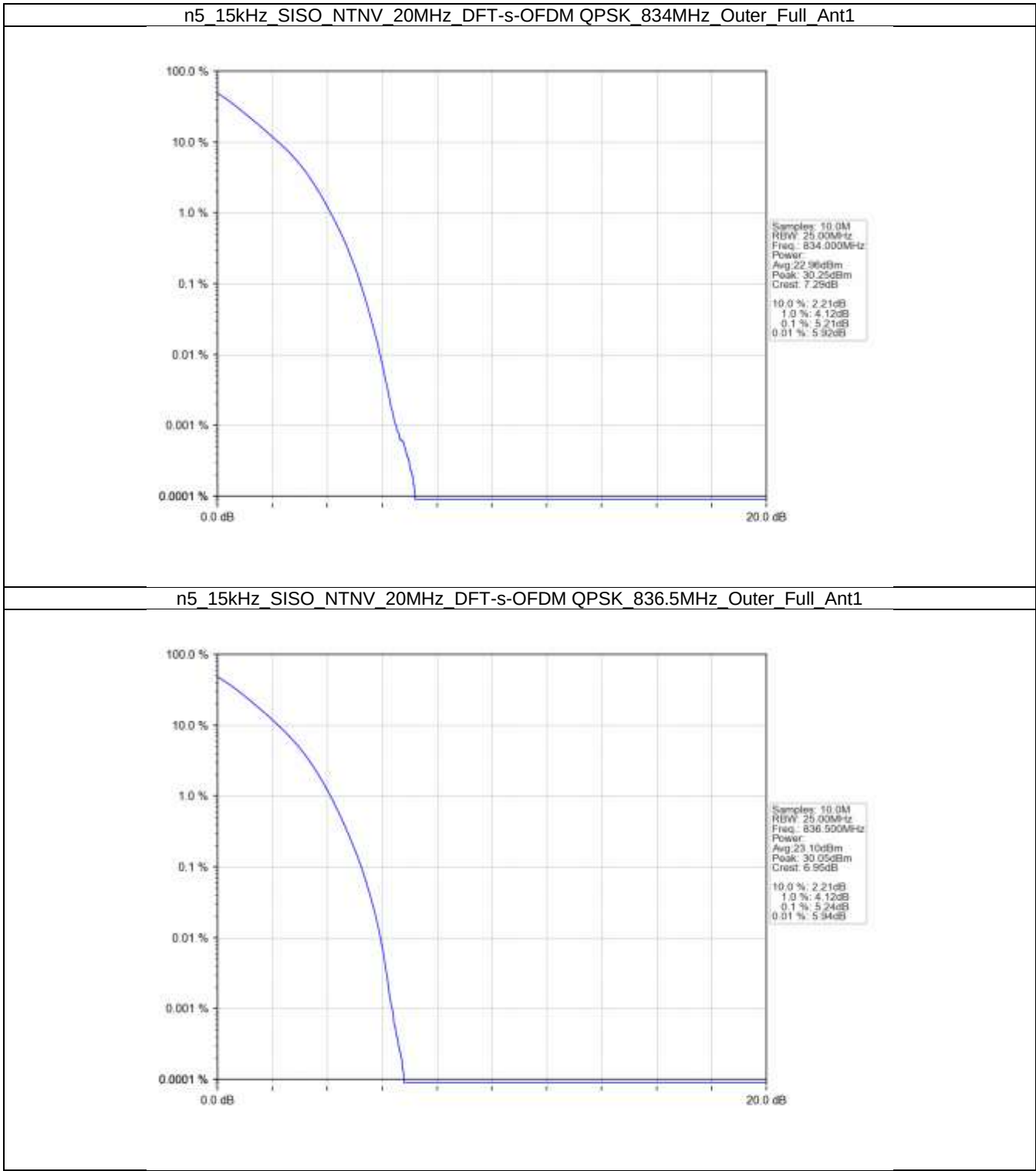
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



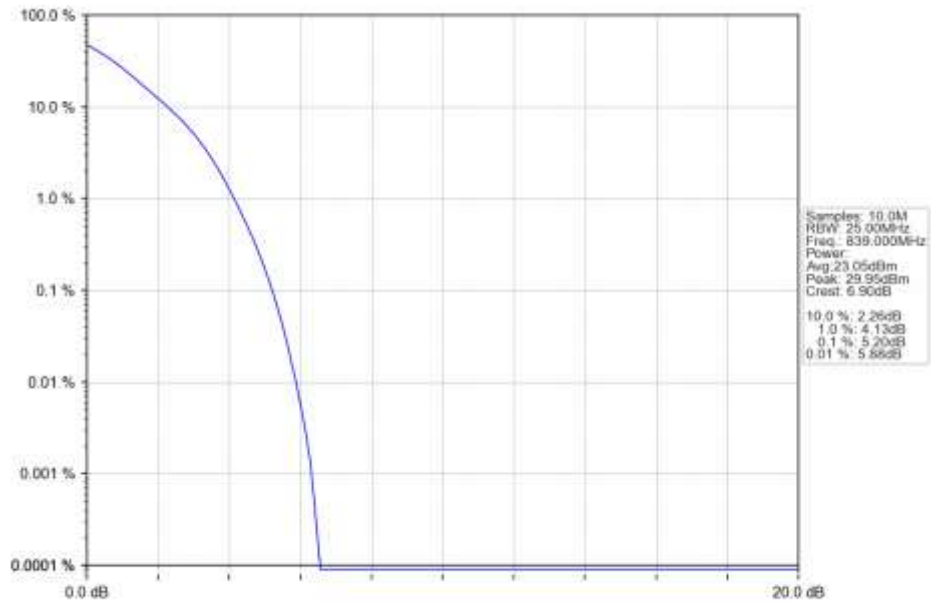
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_841.5MHz_Outer_Full_Ant1



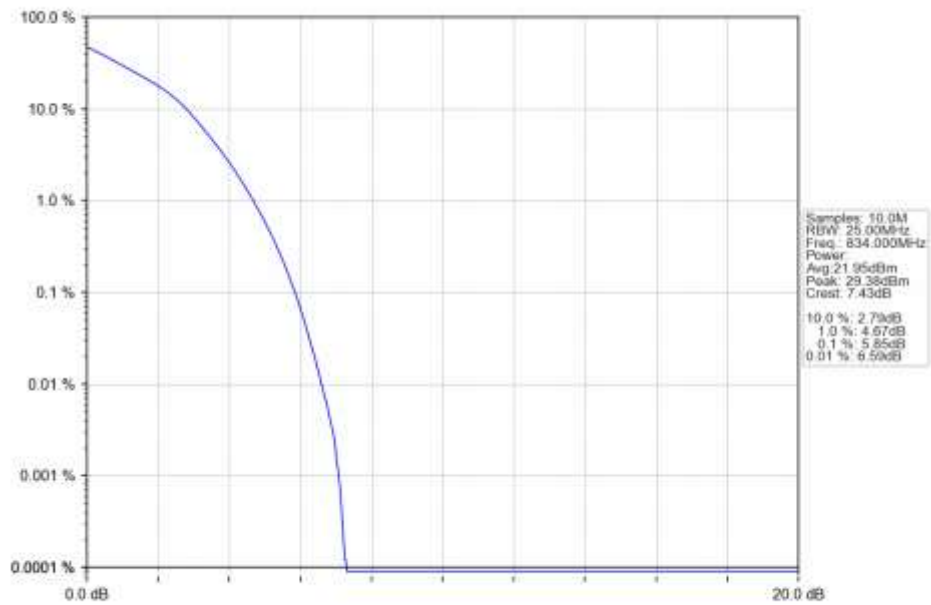
5.2.4 15k_SISO_20MHz_NTNV



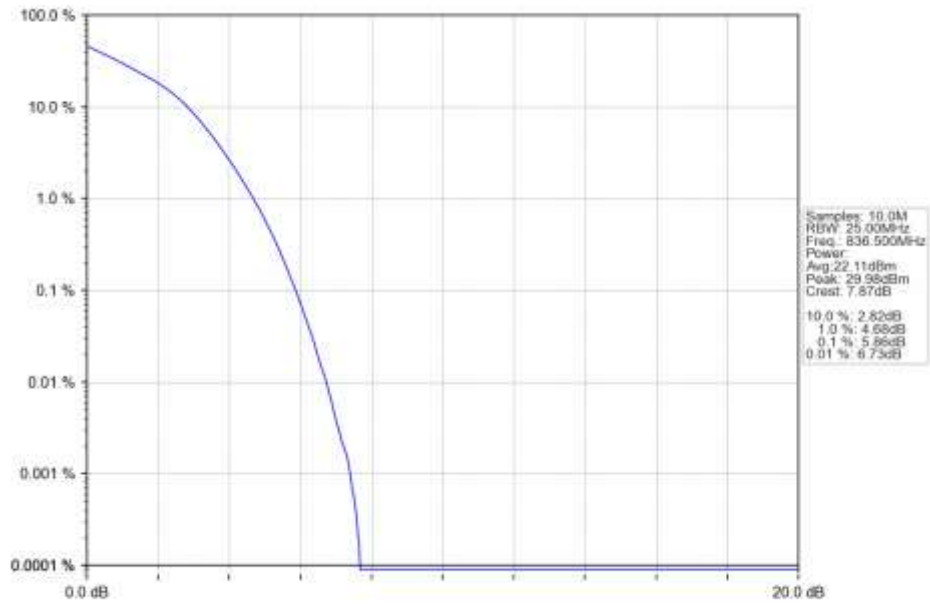
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_839MHz_Outer_Full_Ant1



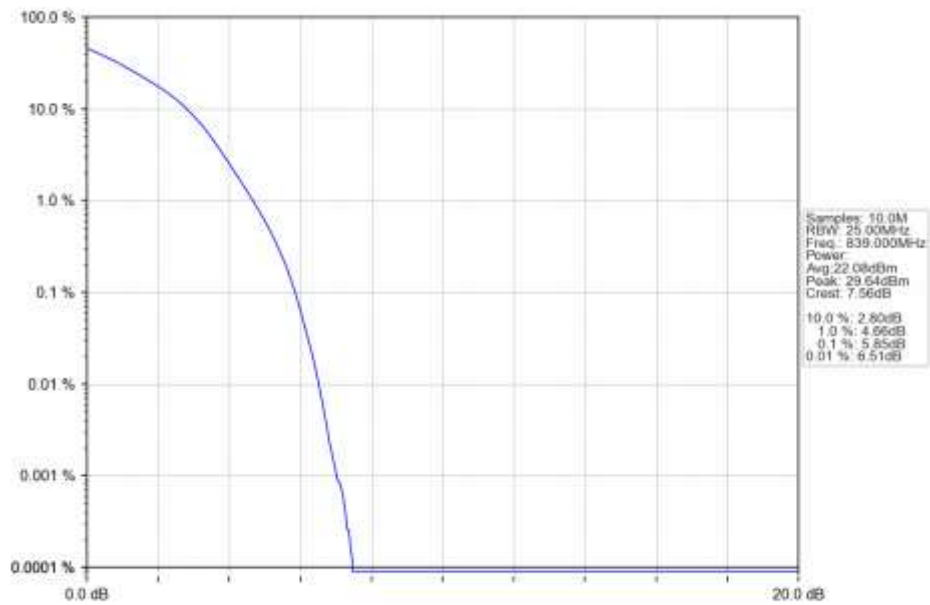
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16QAM_834MHz_Outer_Full_Ant1



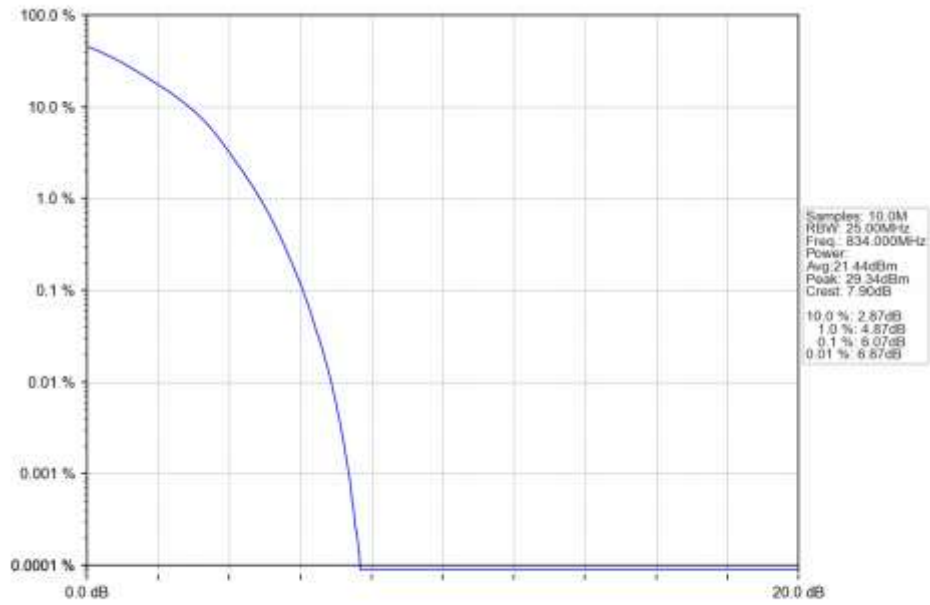
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



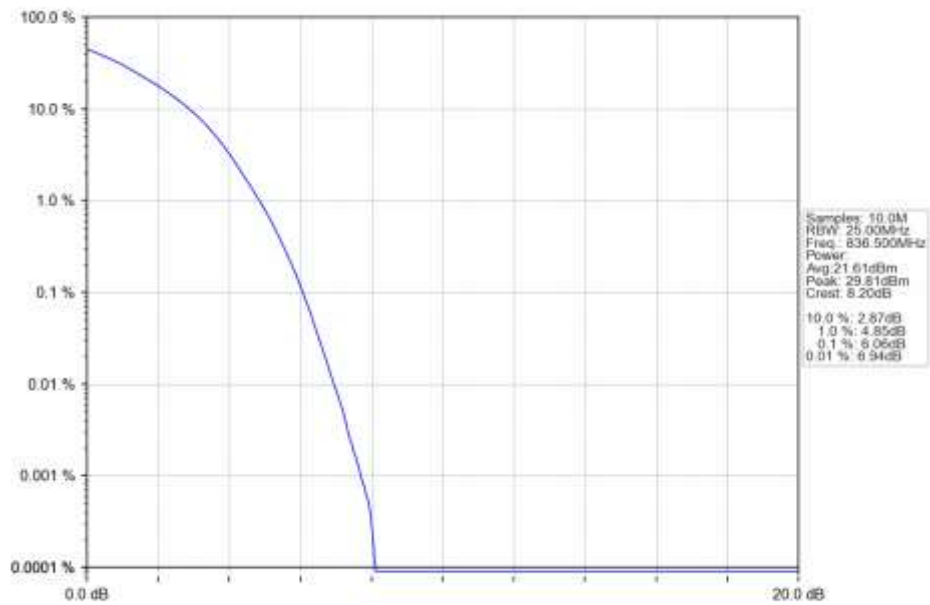
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_839MHz_Outer_Full_Ant1



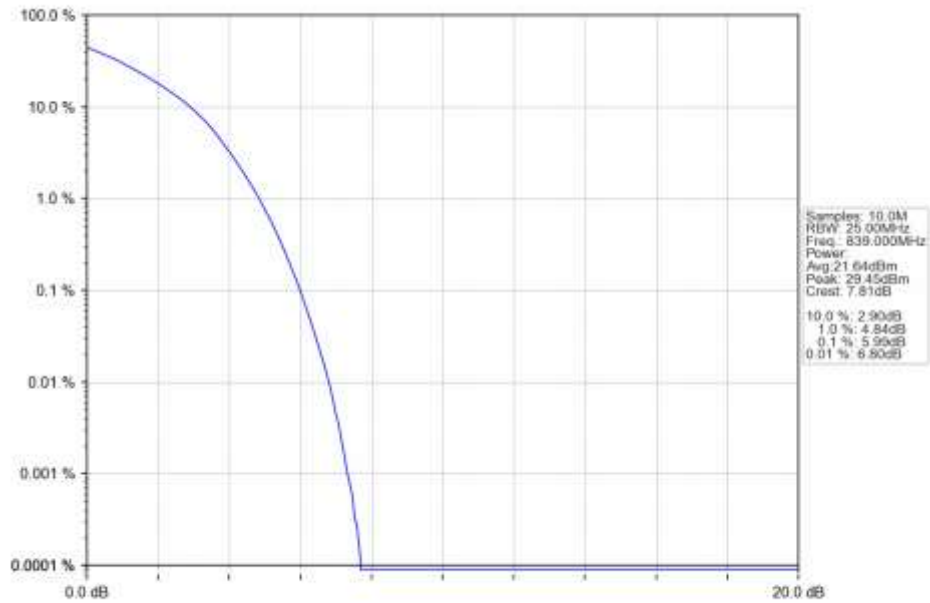
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 834MHz Outer Full Ant1



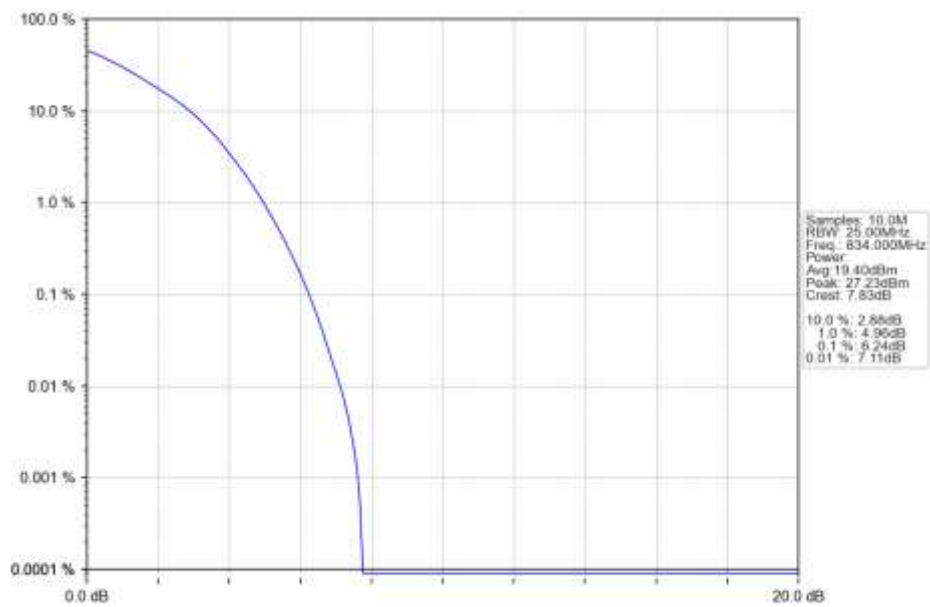
n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



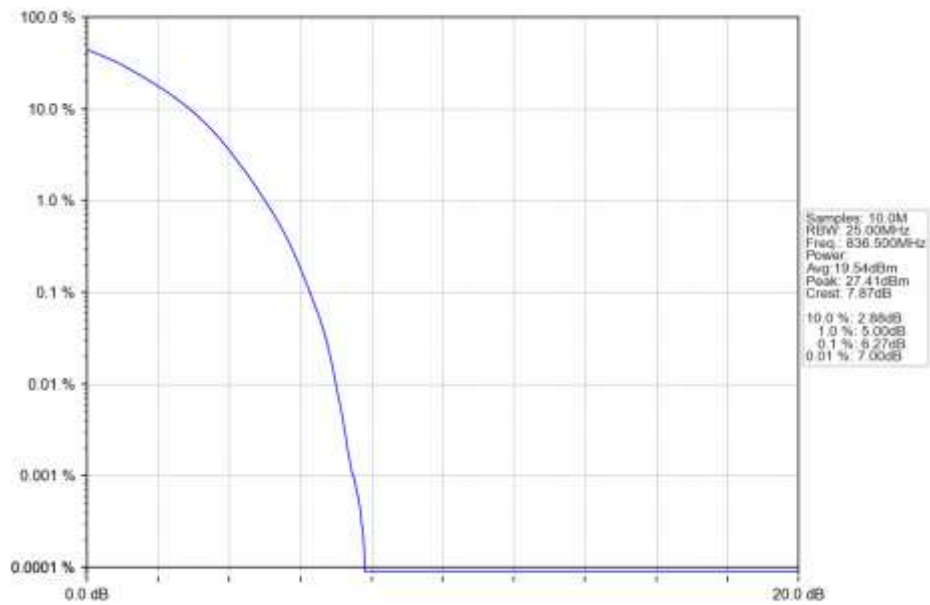
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_839MHz_Outer_Full_Ant1



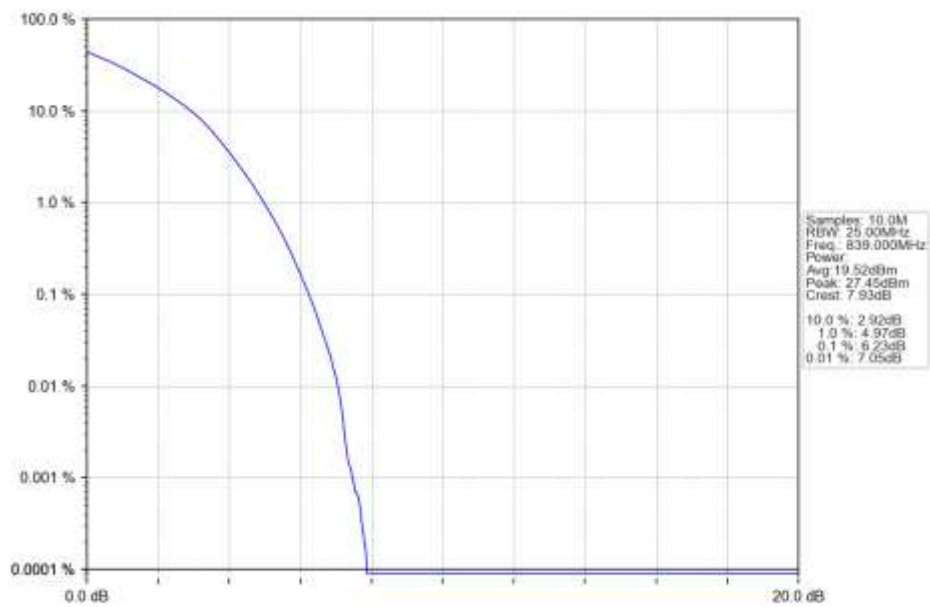
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_834MHz_Outer_Full_Ant1



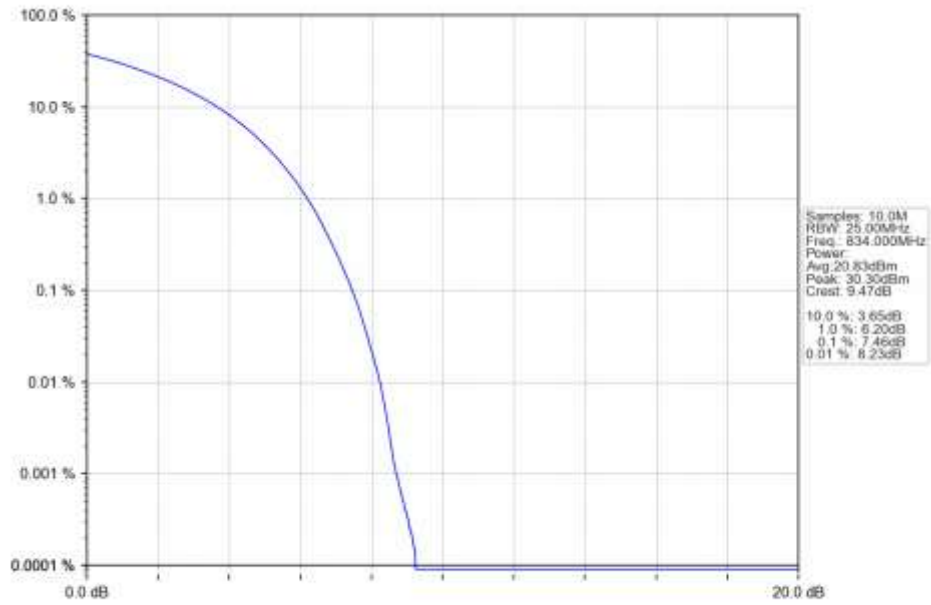
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



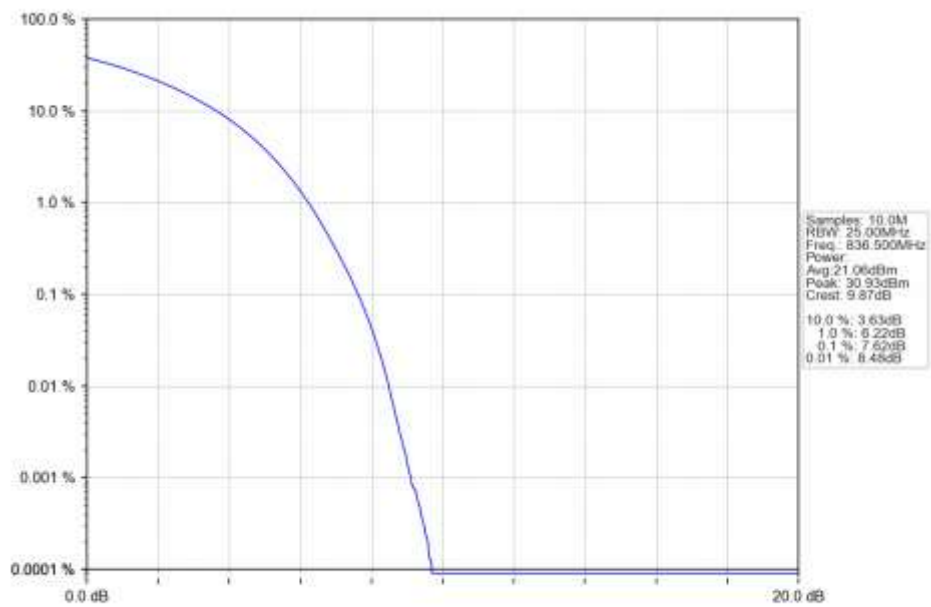
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_839MHz_Outer_Full_Ant1



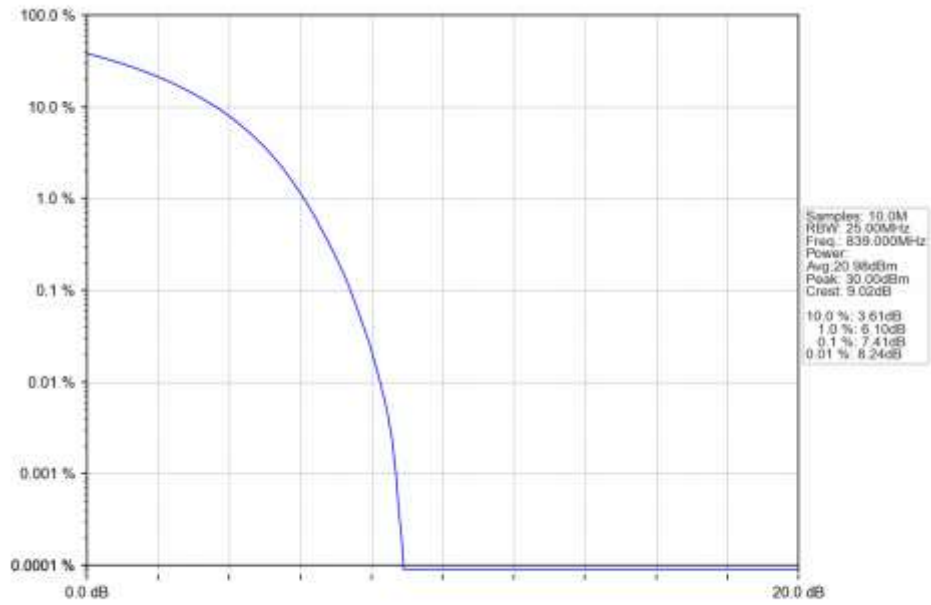
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full_Ant1



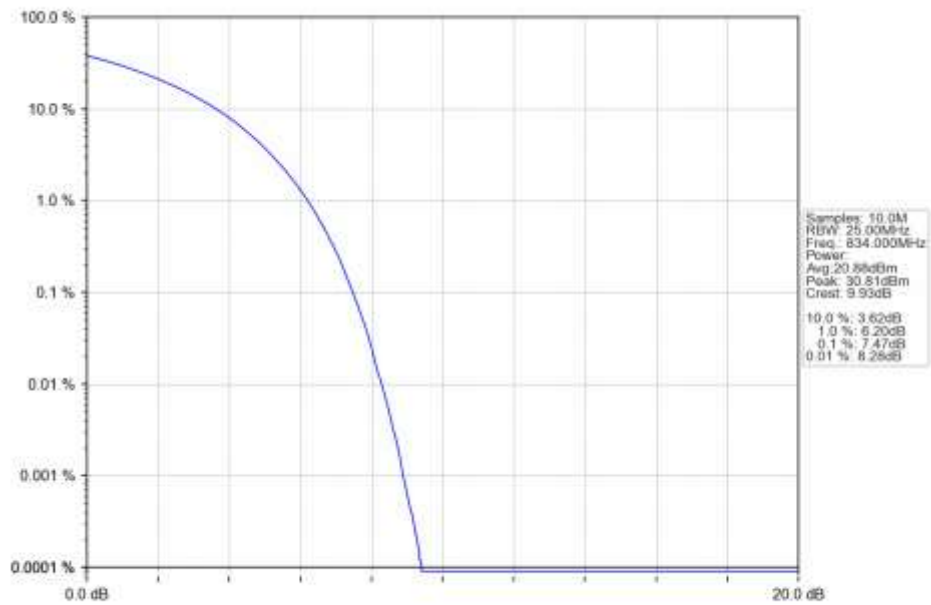
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



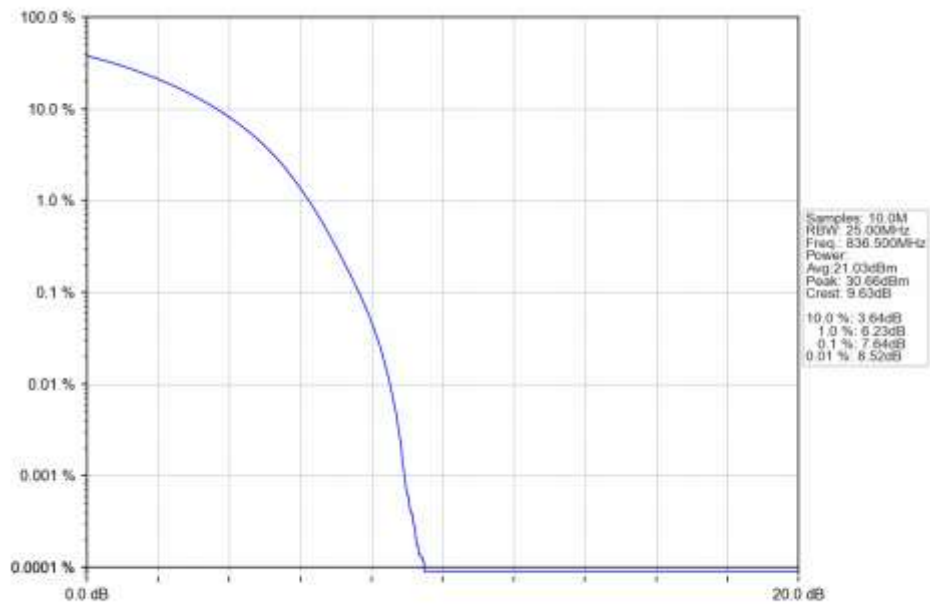
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_839MHz_Outer_Full_Ant1



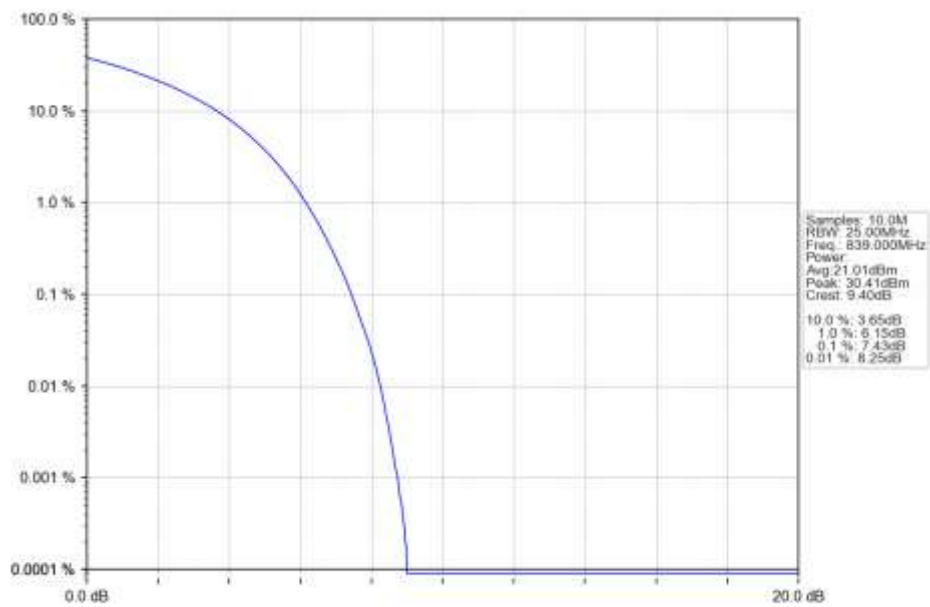
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16QAM_834MHz_Outer_Full_Ant1



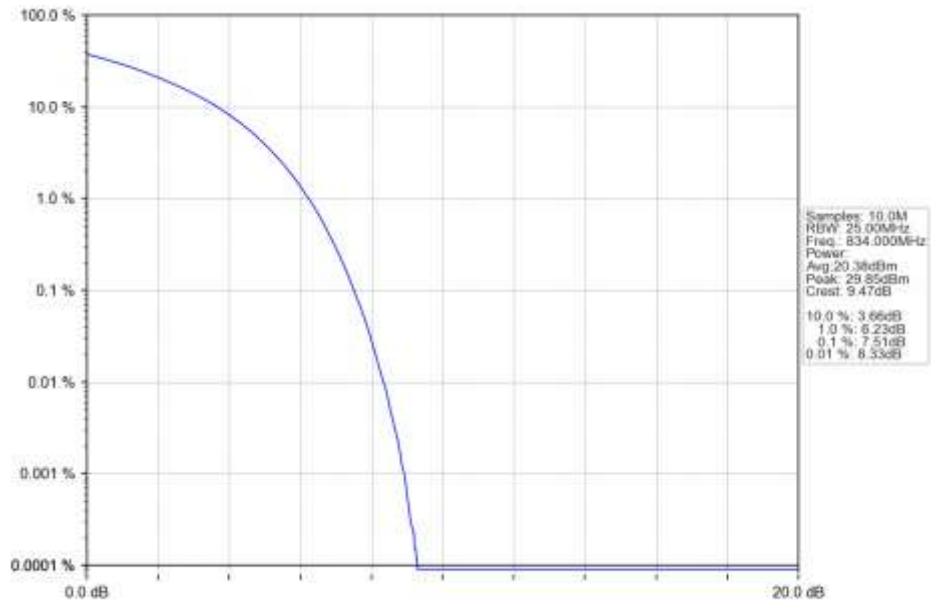
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



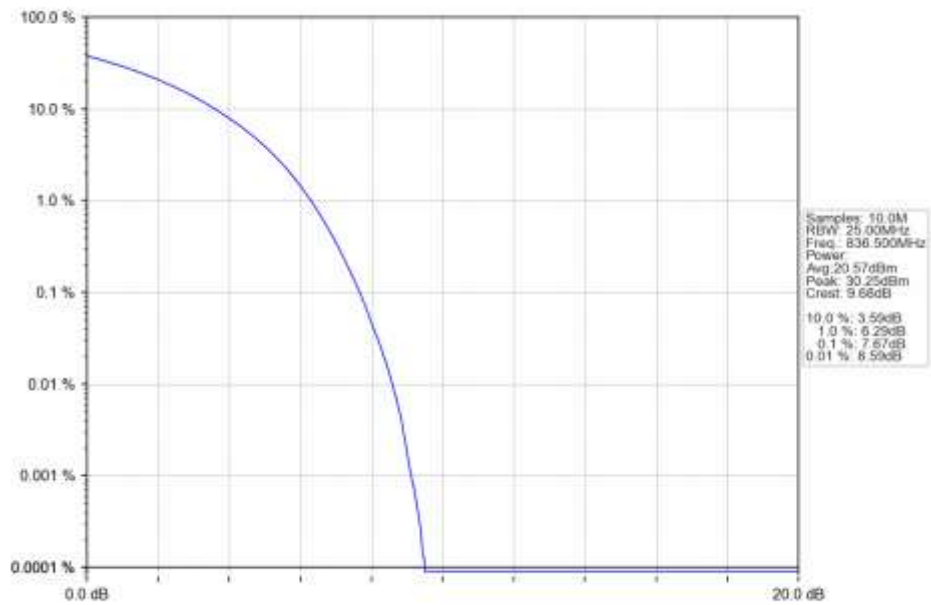
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_839MHz_Outer_Full_Ant1



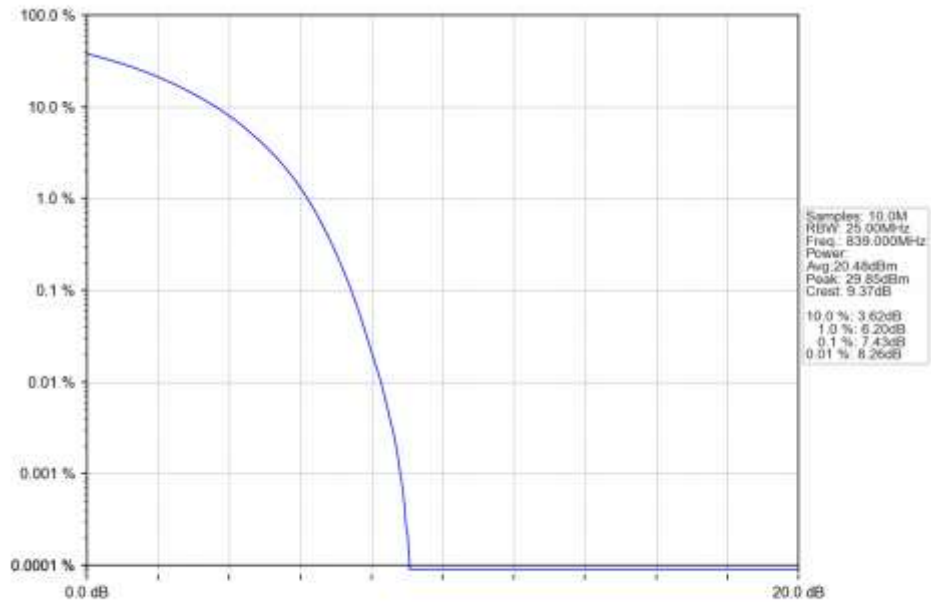
n5 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 834MHz Outer Full Ant1



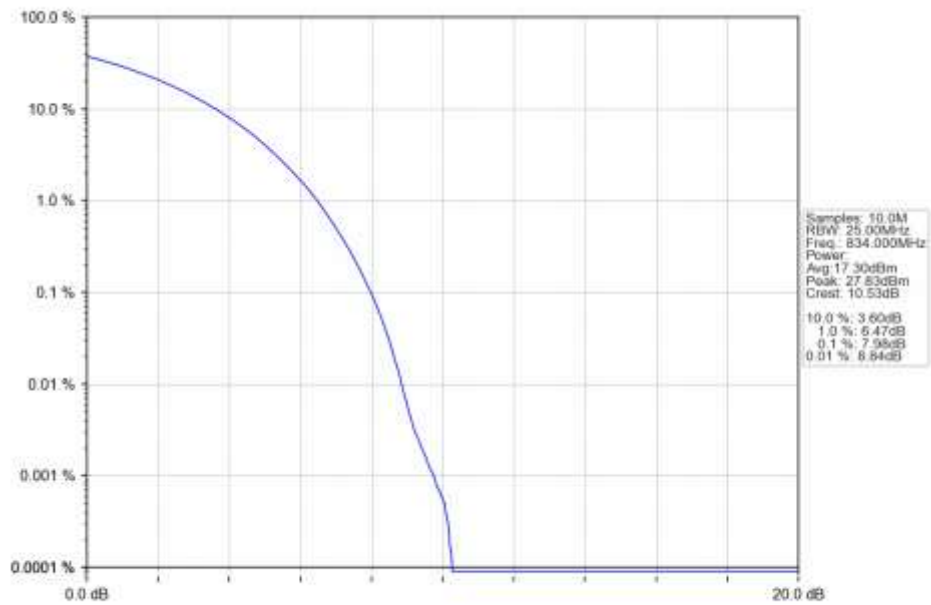
n5 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



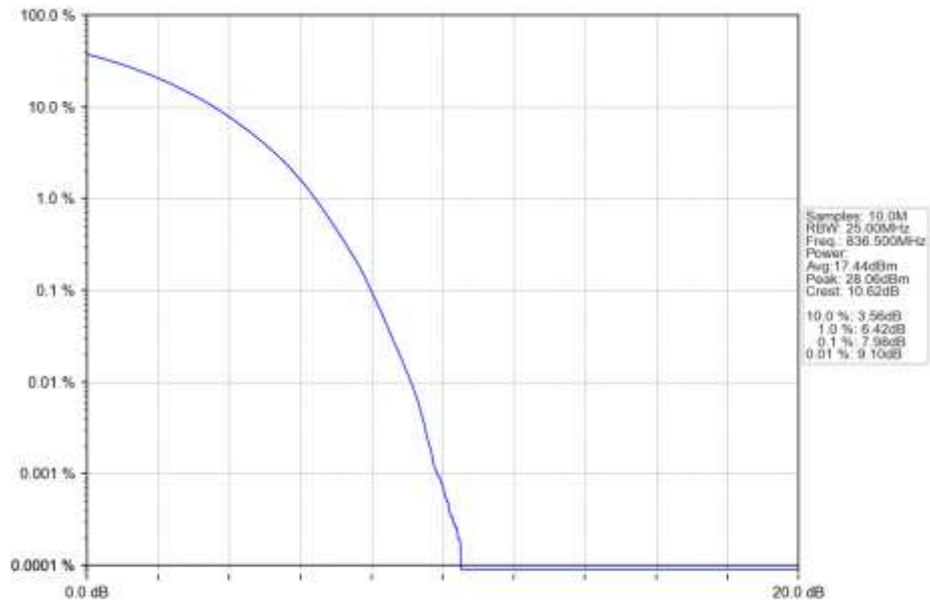
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_839MHz_Outer_Full_Ant1



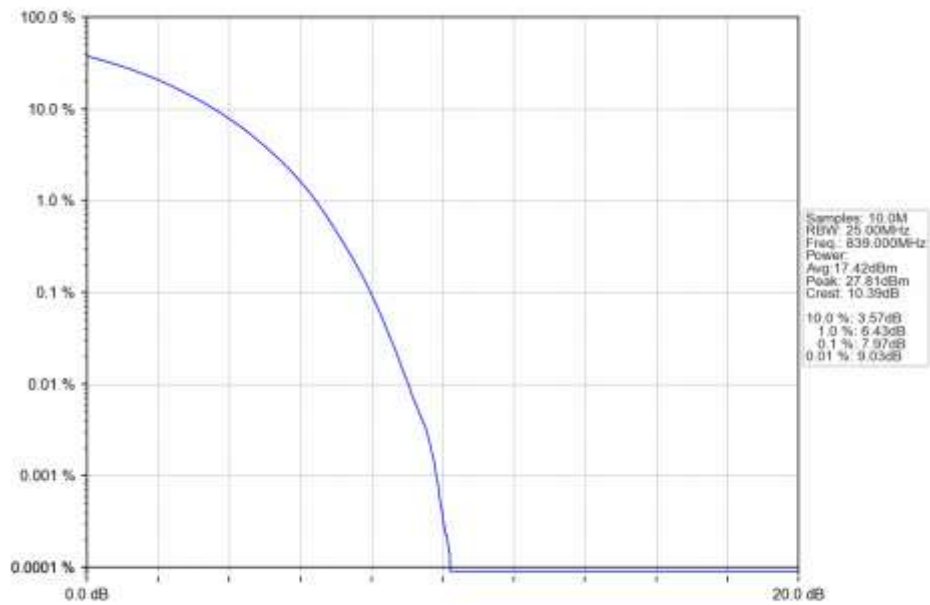
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_834MHz_Outer_Full_Ant1



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1

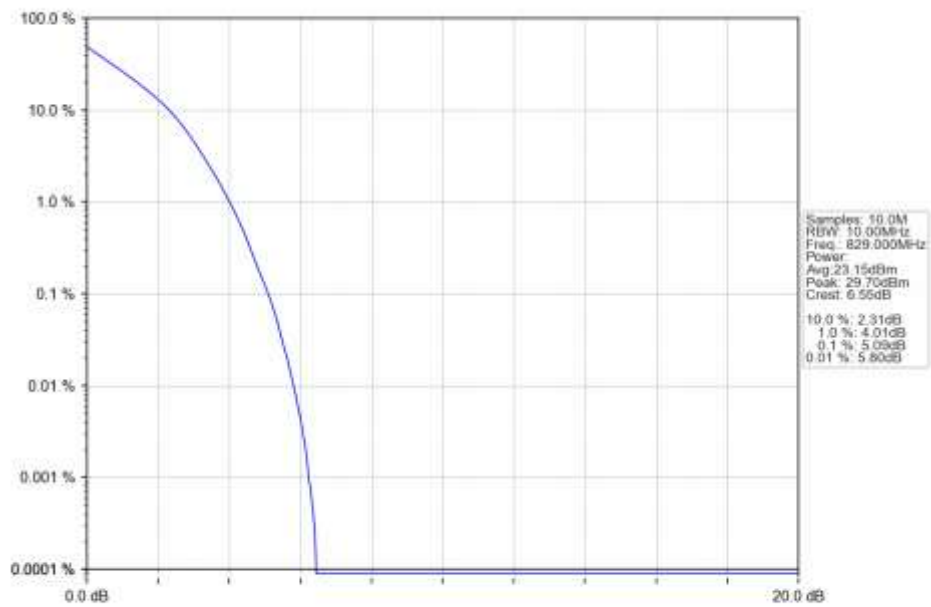


n5_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_839MHz_Outer_Full_Ant1

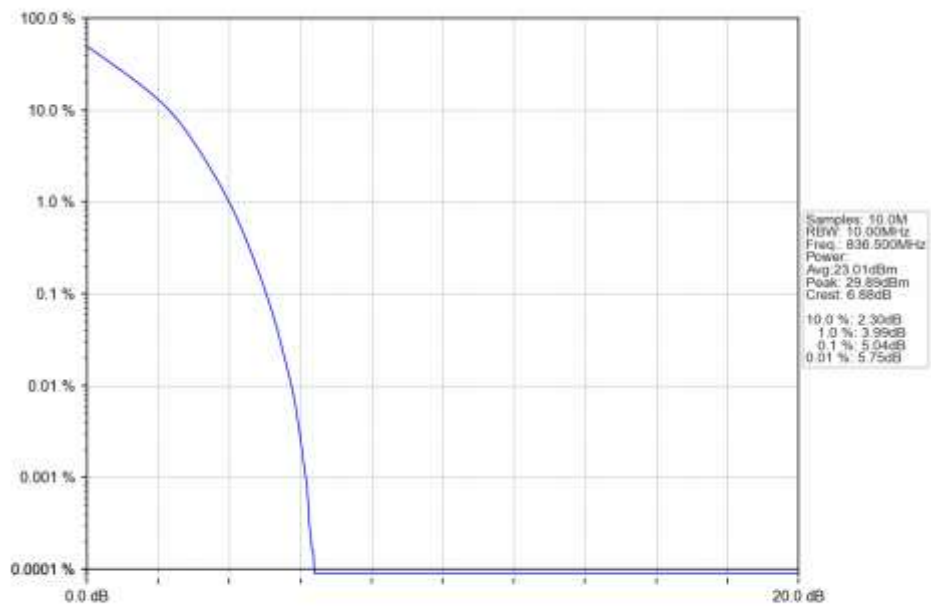


5.2.5 30k_SISO_10MHz_NTNV

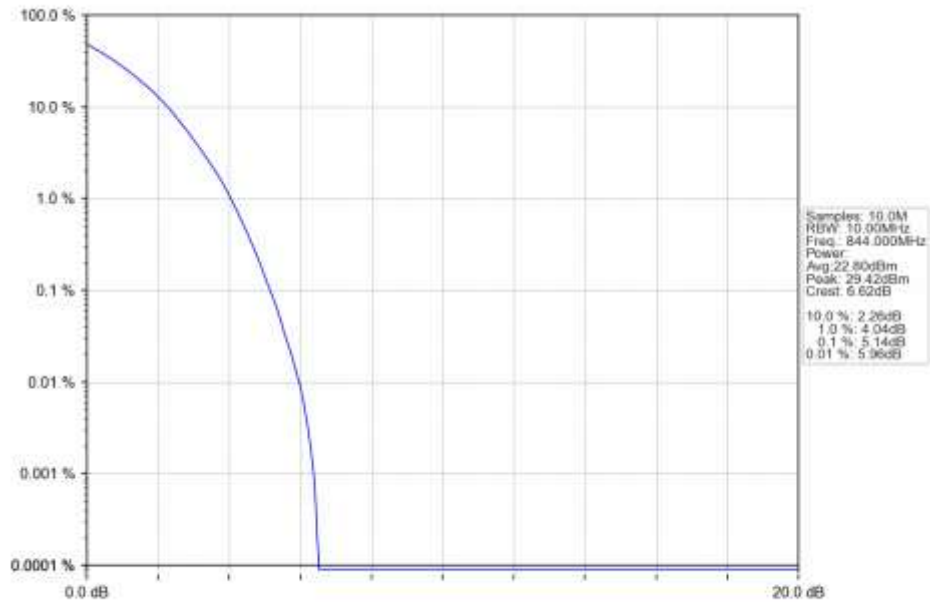
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Outer_Full_Ant1



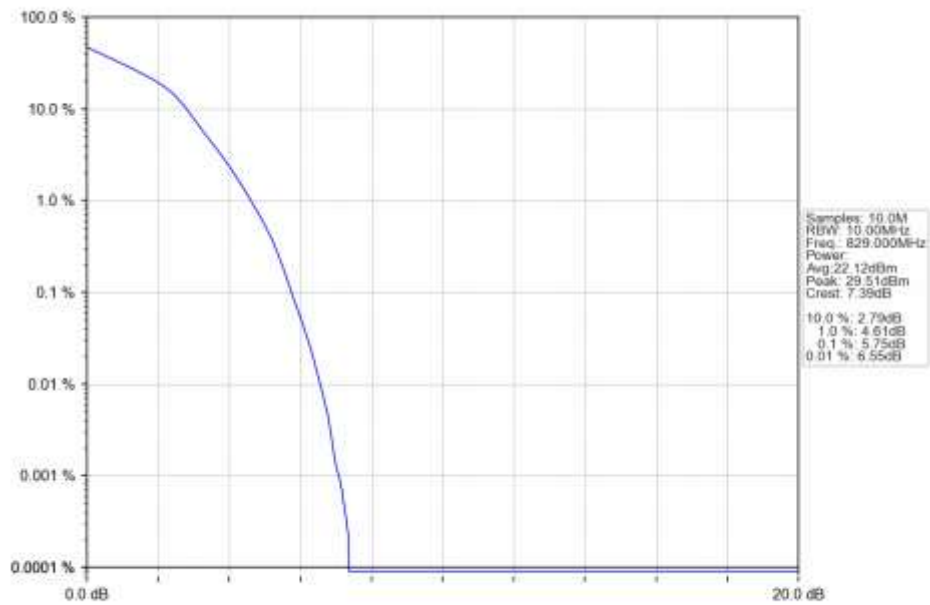
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full_Ant1



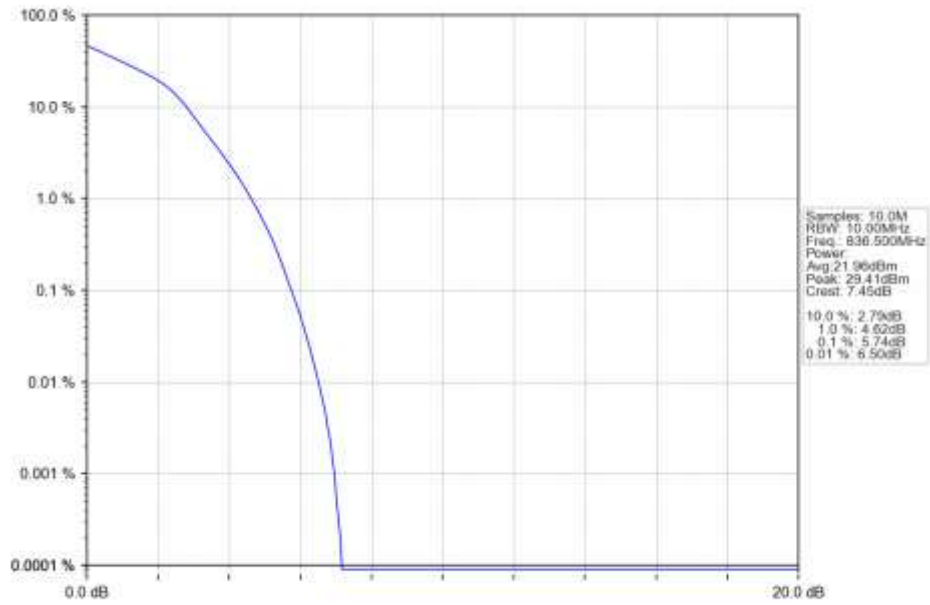
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_844MHz_Outer_Full_Ant1



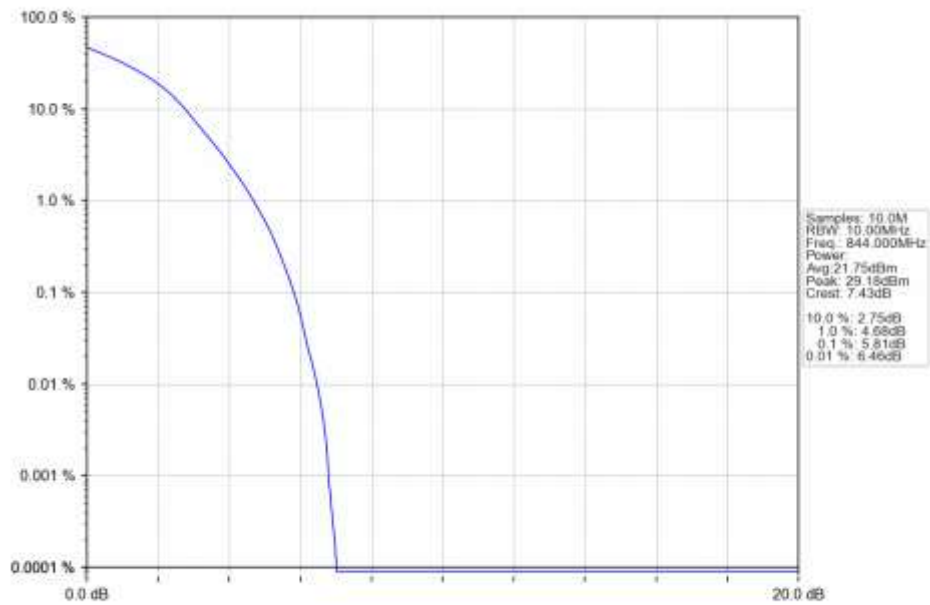
n5_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16QAM_829MHz_Outer_Full_Ant1



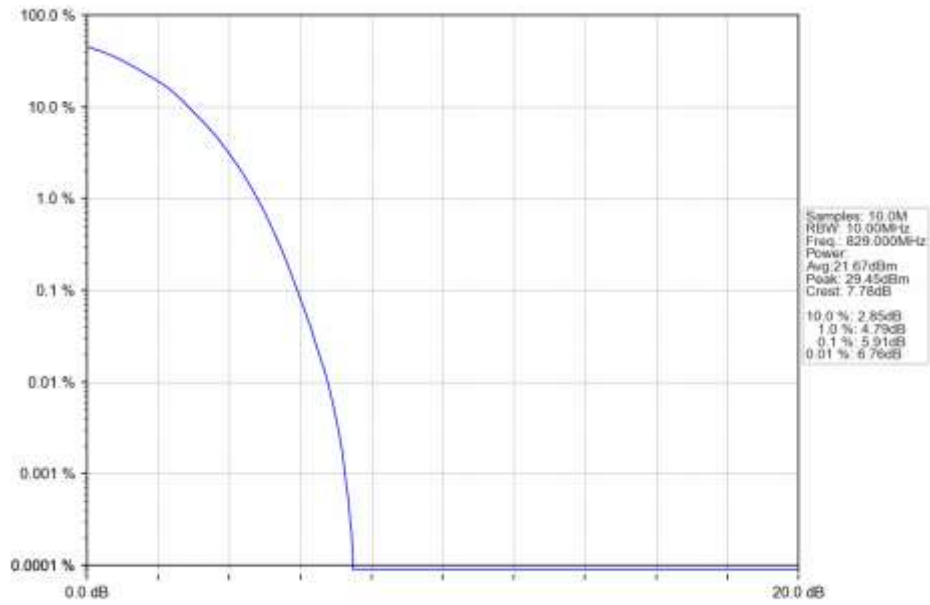
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



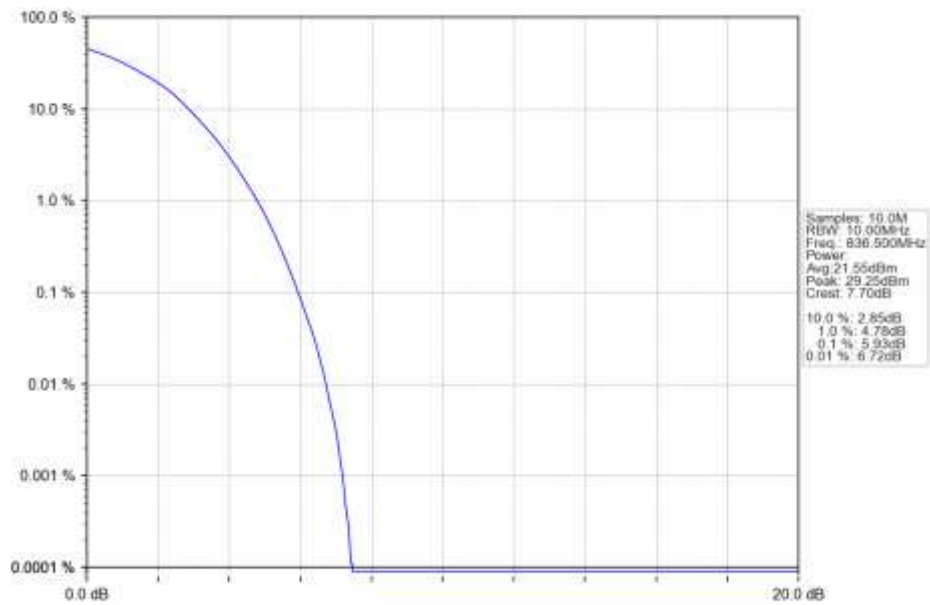
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 844MHz Outer Full Ant1



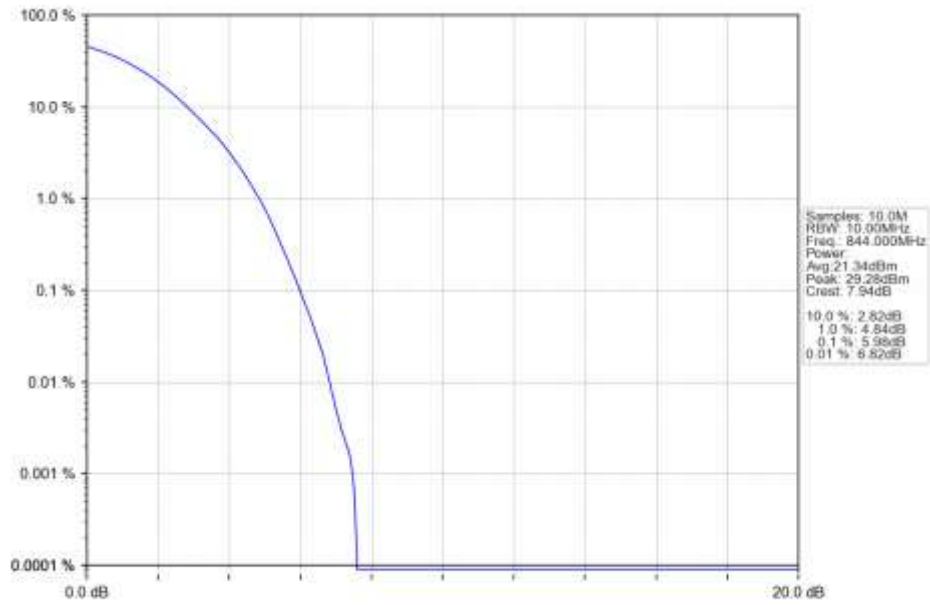
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 829MHz Outer Full Ant1



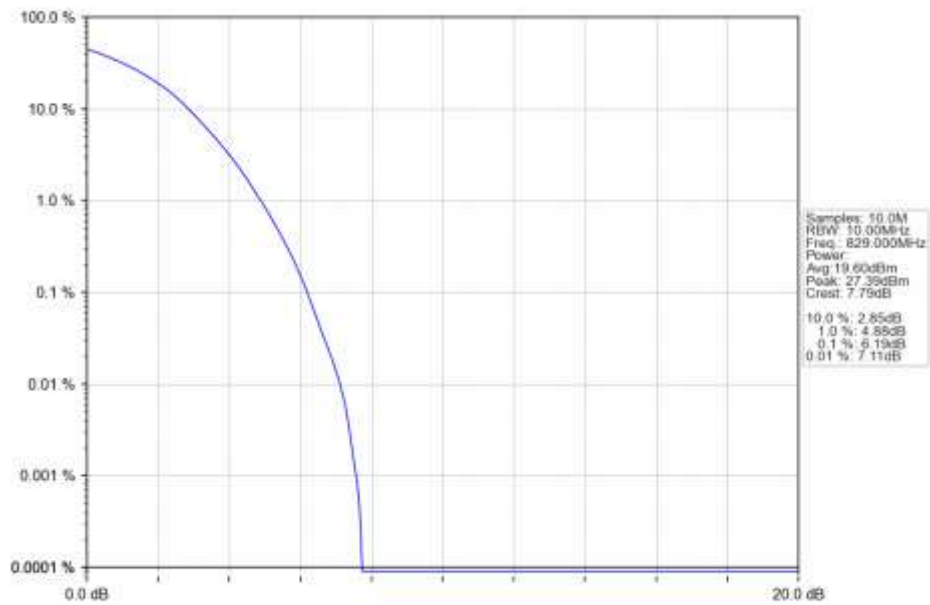
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



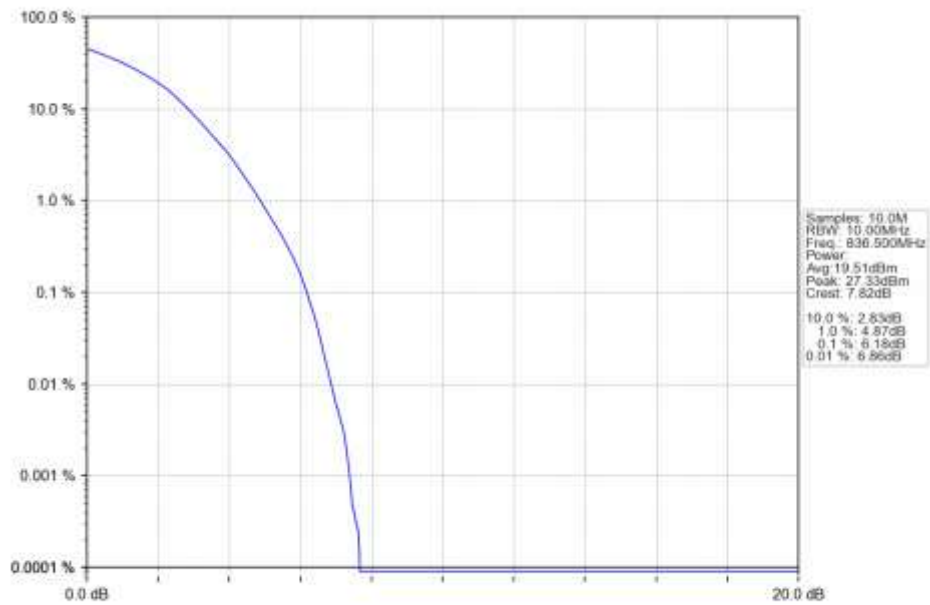
n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 844MHz Outer Full Ant1



n5 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 829MHz Outer Full Ant1



n5 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



n5 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 844MHz Outer Full Ant1

