

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_EIRP

5G NR n25 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1852.5	Edge_1RB_Left	18.93	/	/	20.48	/	/	<=33	Pass
		Edge_1RB_Right	21.63	/	/	23.18	/	/	<=33	Pass
		Outer_Full	21.14	/	/	22.69	/	/	<=33	Pass
		Inner_Full	21.41	/	/	22.96	/	/	<=33	Pass
		Inner_1RB_Left	21.48	/	/	23.03	/	/	<=33	Pass
		Inner_1RB_Right	22.03	/	/	23.58	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.53	/	/	22.08	/	/	<=33	Pass
		Edge_1RB_Right	20.76	/	/	22.31	/	/	<=33	Pass
		Outer_Full	20.59	/	/	22.14	/	/	<=33	Pass
		Inner_Full	20.85	/	/	22.4	/	/	<=33	Pass
		Inner_1RB_Left	20.96	/	/	22.51	/	/	<=33	Pass
		Inner_1RB_Right	21.15	/	/	22.7	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	20	/	/	21.55	/	/	<=33	Pass
		Edge_1RB_Right	20.03	/	/	21.58	/	/	<=33	Pass
		Outer_Full	20.39	/	/	21.94	/	/	<=33	Pass
		Inner_Full	20.83	/	/	22.38	/	/	<=33	Pass
		Inner_1RB_Left	20.55	/	/	22.1	/	/	<=33	Pass
		Inner_1RB_Right	20.42	/	/	21.97	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1852.5	Edge_1RB_Left	20.14	/	/	21.69	/	/	<=33	Pass
		Edge_1RB_Right	20.75	/	/	22.3	/	/	<=33	Pass
		Outer_Full	20.17	/	/	21.72	/	/	<=33	Pass
		Inner_Full	20.42	/	/	21.97	/	/	<=33	Pass
		Inner_1RB_Left	20.53	/	/	22.08	/	/	<=33	Pass
		Inner_1RB_Right	21.11	/	/	22.66	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.43	/	/	20.98	/	/	<=33	Pass
		Edge_1RB_Right	19.83	/	/	21.38	/	/	<=33	Pass
		Outer_Full	19.31	/	/	20.86	/	/	<=33	Pass
		Inner_Full	19.84	/	/	21.39	/	/	<=33	Pass
		Inner_1RB_Left	19.89	/	/	21.44	/	/	<=33	Pass
		Inner_1RB_Right	20.25	/	/	21.8	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	18.83	/	/	20.38	/	/	<=33	Pass
		Edge_1RB_Right	18.75	/	/	20.3	/	/	<=33	Pass
		Outer_Full	19.05	/	/	20.6	/	/	<=33	Pass
		Inner_Full	19.72	/	/	21.27	/	/	<=33	Pass
		Inner_1RB_Left	19.44	/	/	20.99	/	/	<=33	Pass
		Inner_1RB_Right	19.31	/	/	20.86	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1852.5	Edge_1RB_Left	19.14	/	/	20.69	/	/	<=33	Pass
		Edge_1RB_Right	19.76	/	/	21.31	/	/	<=33	Pass
		Outer_Full	19.22	/	/	20.77	/	/	<=33	Pass

		Inner_Full	19.07	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Left	19.11	/	/	20.66	/	/	<=33	Pass
		Inner_1RB_Right	19.67	/	/	21.22	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	18.88	/	/	20.43	/	/	<=33	Pass
		Edge_1RB_Right	19.09	/	/	20.64	/	/	<=33	Pass
		Outer_Full	18.56	/	/	20.11	/	/	<=33	Pass
		Inner_Full	18.48	/	/	20.03	/	/	<=33	Pass
		Inner_1RB_Left	18.82	/	/	20.37	/	/	<=33	Pass
		Inner_1RB_Right	19.05	/	/	20.6	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	18.4	/	/	19.95	/	/	<=33	Pass
		Edge_1RB_Right	18.28	/	/	19.83	/	/	<=33	Pass
		Outer_Full	18.55	/	/	20.1	/	/	<=33	Pass
		Inner_Full	18.72	/	/	20.27	/	/	<=33	Pass
		Inner_1RB_Left	18.4	/	/	19.95	/	/	<=33	Pass
		Inner_1RB_Right	18.49	/	/	20.04	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1852.5	Edge_1RB_Left	17.43	/	/	18.98	/	/	<=33	Pass
		Edge_1RB_Right	18.07	/	/	19.62	/	/	<=33	Pass
		Outer_Full	17.56	/	/	19.11	/	/	<=33	Pass
		Inner_Full	17.48	/	/	19.03	/	/	<=33	Pass
		Inner_1RB_Left	17.42	/	/	18.97	/	/	<=33	Pass
		Inner_1RB_Right	17.98	/	/	19.53	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.89	/	/	18.44	/	/	<=33	Pass
		Edge_1RB_Right	17.14	/	/	18.69	/	/	<=33	Pass
		Outer_Full	16.95	/	/	18.5	/	/	<=33	Pass
		Inner_Full	16.86	/	/	18.41	/	/	<=33	Pass
		Inner_1RB_Left	16.85	/	/	18.4	/	/	<=33	Pass
		Inner_1RB_Right	17.09	/	/	18.64	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	16.53	/	/	18.08	/	/	<=33	Pass
		Edge_1RB_Right	16.48	/	/	18.03	/	/	<=33	Pass
		Outer_Full	16.88	/	/	18.43	/	/	<=33	Pass
		Inner_Full	17.14	/	/	18.69	/	/	<=33	Pass
		Inner_1RB_Left	16.6	/	/	18.15	/	/	<=33	Pass
		Inner_1RB_Right	16.6	/	/	18.15	/	/	<=33	Pass
CP-OFDM QPSK	1852.5	Edge_1RB_Left	19.01	/	/	20.56	/	/	<=33	Pass
		Edge_1RB_Right	19.61	/	/	21.16	/	/	<=33	Pass
		Outer_Full	19.18	/	/	20.73	/	/	<=33	Pass
		Inner_Full	19.77	/	/	21.32	/	/	<=33	Pass
		Inner_1RB_Left	19.79	/	/	21.34	/	/	<=33	Pass
		Inner_1RB_Right	20.32	/	/	21.87	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	18.59	/	/	20.14	/	/	<=33	Pass
		Edge_1RB_Right	18.79	/	/	20.34	/	/	<=33	Pass
		Outer_Full	18.57	/	/	20.12	/	/	<=33	Pass
		Inner_Full	19.17	/	/	20.72	/	/	<=33	Pass
		Inner_1RB_Left	19.29	/	/	20.84	/	/	<=33	Pass
		Inner_1RB_Right	19.45	/	/	21	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	18.19	/	/	19.74	/	/	<=33	Pass
		Edge_1RB_Right	18.08	/	/	19.63	/	/	<=33	Pass
		Outer_Full	18.57	/	/	20.12	/	/	<=33	Pass

CP-OFDM 16 QAM		Inner_Full	19.14	/	/	20.69	/	/	<=33	Pass
		Inner_1RB_Left	18.79	/	/	20.34	/	/	<=33	Pass
		Inner_1RB_Right	18.68	/	/	20.23	/	/	<=33	Pass
	1852.5	Edge_1RB_Left	18.67	/	/	20.22	/	/	<=33	Pass
		Edge_1RB_Right	19.25	/	/	20.8	/	/	<=33	Pass
		Outer_Full	18.59	/	/	20.14	/	/	<=33	Pass
		Inner_Full	18.92	/	/	20.47	/	/	<=33	Pass
		Inner_1RB_Left	19.07	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Right	19.63	/	/	21.18	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	18.29	/	/	19.84	/	/	<=33	Pass
		Edge_1RB_Right	18.51	/	/	20.06	/	/	<=33	Pass
		Outer_Full	18.04	/	/	19.59	/	/	<=33	Pass
		Inner_Full	18.43	/	/	19.98	/	/	<=33	Pass
		Inner_1RB_Left	18.76	/	/	20.31	/	/	<=33	Pass
		Inner_1RB_Right	18.94	/	/	20.49	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	17.87	/	/	19.42	/	/	<=33	Pass
		Edge_1RB_Right	17.71	/	/	19.26	/	/	<=33	Pass
		Outer_Full	18.03	/	/	19.58	/	/	<=33	Pass
		Inner_Full	18.58	/	/	20.13	/	/	<=33	Pass
		Inner_1RB_Left	18.38	/	/	19.93	/	/	<=33	Pass
		Inner_1RB_Right	18.28	/	/	19.83	/	/	<=33	Pass
CP-OFDM 64 QAM	1852.5	Edge_1RB_Left	18.01	/	/	19.56	/	/	<=33	Pass
		Edge_1RB_Right	18.64	/	/	20.19	/	/	<=33	Pass
		Outer_Full	17.96	/	/	19.51	/	/	<=33	Pass
		Inner_Full	18.89	/	/	20.44	/	/	<=33	Pass
		Inner_1RB_Left	19.05	/	/	20.6	/	/	<=33	Pass
		Inner_1RB_Right	19.62	/	/	21.17	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	17.72	/	/	19.27	/	/	<=33	Pass
		Edge_1RB_Right	17.96	/	/	19.51	/	/	<=33	Pass
		Outer_Full	17.36	/	/	18.91	/	/	<=33	Pass
		Inner_Full	18.37	/	/	19.92	/	/	<=33	Pass
		Inner_1RB_Left	18.82	/	/	20.37	/	/	<=33	Pass
		Inner_1RB_Right	19.02	/	/	20.57	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	17.27	/	/	18.82	/	/	<=33	Pass
		Edge_1RB_Right	17.18	/	/	18.73	/	/	<=33	Pass
		Outer_Full	17.34	/	/	18.89	/	/	<=33	Pass
		Inner_Full	18.58	/	/	20.13	/	/	<=33	Pass
		Inner_1RB_Left	18.34	/	/	19.89	/	/	<=33	Pass
		Inner_1RB_Right	18.32	/	/	19.87	/	/	<=33	Pass
CP-OFDM 256 QAM	1852.5	Edge_1RB_Left	15.37	/	/	16.92	/	/	<=33	Pass
		Edge_1RB_Right	16.05	/	/	17.6	/	/	<=33	Pass
		Outer_Full	15.36	/	/	16.91	/	/	<=33	Pass
		Inner_Full	15.3	/	/	16.85	/	/	<=33	Pass
		Inner_1RB_Left	15.38	/	/	16.93	/	/	<=33	Pass
		Inner_1RB_Right	15.98	/	/	17.53	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	15.01	/	/	16.56	/	/	<=33	Pass
		Edge_1RB_Right	15.31	/	/	16.86	/	/	<=33	Pass
		Outer_Full	14.81	/	/	16.36	/	/	<=33	Pass

		Inner_Full	14.79	/	/	16.34	/	/	<=33	Pass
		Inner_1RB_Left	15.01	/	/	16.56	/	/	<=33	Pass
		Inner_1RB_Right	15.25	/	/	16.8	/	/	<=33	Pass
	1912.5	Edge_1RB_Left	14.68	/	/	16.23	/	/	<=33	Pass
		Edge_1RB_Right	14.73	/	/	16.28	/	/	<=33	Pass
		Outer_Full	14.88	/	/	16.43	/	/	<=33	Pass
		Inner_Full	15.17	/	/	16.72	/	/	<=33	Pass
		Inner_1RB_Left	14.78	/	/	16.33	/	/	<=33	Pass
		Inner_1RB_Right	14.81	/	/	16.36	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 1.55dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_EIRP

5G NR n25 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1855	Edge_1RB_Left	9.23	/	/	21.1	/	/	<=33	Pass
		Edge_1RB_Right	10.27	/	/	24.14	/	/	<=33	Pass
		Outer_Full	9.48	/	/	23.35	/	/	<=33	Pass
		Inner_Full	9.60	/	/	23.47	/	/	<=33	Pass
		Inner_1RB_Left	8.94	/	/	22.81	/	/	<=33	Pass
		Inner_1RB_Right	10.56	/	/	24.43	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	8.91	/	/	22.78	/	/	<=33	Pass
		Edge_1RB_Right	9.17	/	/	23.04	/	/	<=33	Pass
		Outer_Full	8.46	/	/	22.33	/	/	<=33	Pass
		Inner_Full	8.60	/	/	22.47	/	/	<=33	Pass
		Inner_1RB_Left	8.68	/	/	22.55	/	/	<=33	Pass
		Inner_1RB_Right	9.50	/	/	23.37	/	/	<=33	Pass
	1910	Edge_1RB_Left	8.72	/	/	22.59	/	/	<=33	Pass
		Edge_1RB_Right	8.64	/	/	22.51	/	/	<=33	Pass
		Outer_Full	8.58	/	/	22.45	/	/	<=33	Pass
		Inner_Full	8.72	/	/	22.59	/	/	<=33	Pass
		Inner_1RB_Left	8.39	/	/	22.26	/	/	<=33	Pass
		Inner_1RB_Right	8.98	/	/	22.85	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1855	Edge_1RB_Left	8.18	/	/	22.05	/	/	<=33	Pass
		Edge_1RB_Right	9.21	/	/	23.08	/	/	<=33	Pass
		Outer_Full	8.22	/	/	22.09	/	/	<=33	Pass
		Inner_Full	8.58	/	/	22.45	/	/	<=33	Pass
		Inner_1RB_Left	7.91	/	/	21.78	/	/	<=33	Pass
		Inner_1RB_Right	9.57	/	/	23.44	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	7.82	/	/	21.69	/	/	<=33	Pass
		Edge_1RB_Right	8.07	/	/	21.94	/	/	<=33	Pass
		Outer_Full	7.11	/	/	20.98	/	/	<=33	Pass
		Inner_Full	7.42	/	/	21.29	/	/	<=33	Pass
		Inner_1RB_Left	7.66	/	/	21.53	/	/	<=33	Pass
		Inner_1RB_Right	8.43	/	/	22.3	/	/	<=33	Pass

	1910	Edge_1RB_Left	7.49	/	/	21.36	/	/	<=33	Pass
		Edge_1RB_Right	7.49	/	/	21.36	/	/	<=33	Pass
		Outer_Full	7.30	/	/	21.17	/	/	<=33	Pass
		Inner_Full	7.61	/	/	21.48	/	/	<=33	Pass
		Inner_1RB_Left	7.08	/	/	20.95	/	/	<=33	Pass
		Inner_1RB_Right	7.78	/	/	21.65	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1855	Edge_1RB_Left	7.61	/	/	21.48	/	/	<=33	Pass
		Edge_1RB_Right	8.65	/	/	22.52	/	/	<=33	Pass
		Outer_Full	7.50	/	/	21.37	/	/	<=33	Pass
		Inner_Full	7.48	/	/	21.35	/	/	<=33	Pass
		Inner_1RB_Left	6.93	/	/	20.8	/	/	<=33	Pass
		Inner_1RB_Right	8.64	/	/	22.51	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	7.18	/	/	21.05	/	/	<=33	Pass
		Edge_1RB_Right	7.46	/	/	21.33	/	/	<=33	Pass
		Outer_Full	6.45	/	/	20.32	/	/	<=33	Pass
		Inner_Full	6.20	/	/	20.07	/	/	<=33	Pass
		Inner_1RB_Left	6.45	/	/	20.32	/	/	<=33	Pass
		Inner_1RB_Right	7.33	/	/	21.2	/	/	<=33	Pass
	1910	Edge_1RB_Left	6.94	/	/	20.81	/	/	<=33	Pass
		Edge_1RB_Right	6.89	/	/	20.76	/	/	<=33	Pass
		Outer_Full	6.62	/	/	20.49	/	/	<=33	Pass
		Inner_Full	6.52	/	/	20.39	/	/	<=33	Pass
		Inner_1RB_Left	6.22	/	/	20.09	/	/	<=33	Pass
		Inner_1RB_Right	6.91	/	/	20.78	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1855	Edge_1RB_Left	5.85	/	/	19.72	/	/	<=33	Pass
		Edge_1RB_Right	6.92	/	/	20.79	/	/	<=33	Pass
		Outer_Full	5.97	/	/	19.84	/	/	<=33	Pass
		Inner_Full	5.79	/	/	19.66	/	/	<=33	Pass
		Inner_1RB_Left	5.10	/	/	18.97	/	/	<=33	Pass
		Inner_1RB_Right	6.94	/	/	20.81	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	5.39	/	/	19.26	/	/	<=33	Pass
		Edge_1RB_Right	5.72	/	/	19.59	/	/	<=33	Pass
		Outer_Full	4.77	/	/	18.64	/	/	<=33	Pass
		Inner_Full	4.57	/	/	18.44	/	/	<=33	Pass
		Inner_1RB_Left	4.65	/	/	18.52	/	/	<=33	Pass
		Inner_1RB_Right	5.68	/	/	19.55	/	/	<=33	Pass
	1910	Edge_1RB_Left	5.11	/	/	18.98	/	/	<=33	Pass
		Edge_1RB_Right	5.17	/	/	19.04	/	/	<=33	Pass
		Outer_Full	5.04	/	/	18.91	/	/	<=33	Pass
		Inner_Full	4.90	/	/	18.77	/	/	<=33	Pass
		Inner_1RB_Left	4.37	/	/	18.24	/	/	<=33	Pass
		Inner_1RB_Right	5.28	/	/	19.15	/	/	<=33	Pass
CP-OFDM QPSK	1855	Edge_1RB_Left	7.32	/	/	21.19	/	/	<=33	Pass
		Edge_1RB_Right	8.32	/	/	22.19	/	/	<=33	Pass
		Outer_Full	7.49	/	/	21.36	/	/	<=33	Pass
		Inner_Full	8.16	/	/	22.03	/	/	<=33	Pass
		Inner_1RB_Left	7.40	/	/	21.27	/	/	<=33	Pass
		Inner_1RB_Right	9.05	/	/	22.92	/	/	<=33	Pass

	1882.5	Edge_1RB_Left	6.98	/	/	20.85	/	/	<=33	Pass
		Edge_1RB_Right	7.14	/	/	21.01	/	/	<=33	Pass
		Outer_Full	6.43	/	/	20.3	/	/	<=33	Pass
		Inner_Full	6.94	/	/	20.81	/	/	<=33	Pass
		Inner_1RB_Left	6.98	/	/	20.85	/	/	<=33	Pass
		Inner_1RB_Right	7.74	/	/	21.61	/	/	<=33	Pass
	1910	Edge_1RB_Left	6.85	/	/	20.72	/	/	<=33	Pass
		Edge_1RB_Right	6.72	/	/	20.59	/	/	<=33	Pass
		Outer_Full	6.71	/	/	20.58	/	/	<=33	Pass
		Inner_Full	7.17	/	/	21.04	/	/	<=33	Pass
		Inner_1RB_Left	6.71	/	/	20.58	/	/	<=33	Pass
		Inner_1RB_Right	7.26	/	/	21.13	/	/	<=33	Pass
CP-OFDM 16 QAM	1855	Edge_1RB_Left	7.06	/	/	20.93	/	/	<=33	Pass
		Edge_1RB_Right	8.08	/	/	21.95	/	/	<=33	Pass
		Outer_Full	7.13	/	/	21	/	/	<=33	Pass
		Inner_Full	7.48	/	/	21.35	/	/	<=33	Pass
		Inner_1RB_Left	6.89	/	/	20.76	/	/	<=33	Pass
		Inner_1RB_Right	8.56	/	/	22.43	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	6.71	/	/	20.58	/	/	<=33	Pass
		Edge_1RB_Right	6.96	/	/	20.83	/	/	<=33	Pass
		Outer_Full	5.95	/	/	19.82	/	/	<=33	Pass
		Inner_Full	6.20	/	/	20.07	/	/	<=33	Pass
		Inner_1RB_Left	6.45	/	/	20.32	/	/	<=33	Pass
		Inner_1RB_Right	7.31	/	/	21.18	/	/	<=33	Pass
	1910	Edge_1RB_Left	6.50	/	/	20.37	/	/	<=33	Pass
		Edge_1RB_Right	6.47	/	/	20.34	/	/	<=33	Pass
		Outer_Full	6.19	/	/	20.06	/	/	<=33	Pass
		Inner_Full	6.52	/	/	20.39	/	/	<=33	Pass
		Inner_1RB_Left	6.28	/	/	20.15	/	/	<=33	Pass
		Inner_1RB_Right	6.90	/	/	20.77	/	/	<=33	Pass
CP-OFDM 64 QAM	1855	Edge_1RB_Left	6.49	/	/	20.36	/	/	<=33	Pass
		Edge_1RB_Right	7.55	/	/	21.42	/	/	<=33	Pass
		Outer_Full	6.53	/	/	20.4	/	/	<=33	Pass
		Inner_Full	7.50	/	/	21.37	/	/	<=33	Pass
		Inner_1RB_Left	6.84	/	/	20.71	/	/	<=33	Pass
		Inner_1RB_Right	8.68	/	/	22.55	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	6.06	/	/	19.93	/	/	<=33	Pass
		Edge_1RB_Right	6.36	/	/	20.23	/	/	<=33	Pass
		Outer_Full	5.35	/	/	19.22	/	/	<=33	Pass
		Inner_Full	6.23	/	/	20.1	/	/	<=33	Pass
		Inner_1RB_Left	6.43	/	/	20.3	/	/	<=33	Pass
		Inner_1RB_Right	7.40	/	/	21.27	/	/	<=33	Pass
	1910	Edge_1RB_Left	5.82	/	/	19.69	/	/	<=33	Pass
		Edge_1RB_Right	5.80	/	/	19.67	/	/	<=33	Pass
		Outer_Full	5.53	/	/	19.4	/	/	<=33	Pass
		Inner_Full	6.56	/	/	20.43	/	/	<=33	Pass
		Inner_1RB_Left	6.27	/	/	20.14	/	/	<=33	Pass
		Inner_1RB_Right	6.89	/	/	20.76	/	/	<=33	Pass

CP-OFDM 256 QAM	1855	Edge_1RB_Left	3.92	/	/	17.79	/	/	<=33	Pass
		Edge_1RB_Right	4.82	/	/	18.69	/	/	<=33	Pass
		Outer_Full	4.00	/	/	17.87	/	/	<=33	Pass
		Inner_Full	3.76	/	/	17.63	/	/	<=33	Pass
		Inner_1RB_Left	2.97	/	/	16.84	/	/	<=33	Pass
		Inner_1RB_Right	4.86	/	/	18.73	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	3.45	/	/	17.32	/	/	<=33	Pass
		Edge_1RB_Right	3.83	/	/	17.7	/	/	<=33	Pass
		Outer_Full	2.73	/	/	16.6	/	/	<=33	Pass
		Inner_Full	2.58	/	/	16.45	/	/	<=33	Pass
		Inner_1RB_Left	2.72	/	/	16.59	/	/	<=33	Pass
		Inner_1RB_Right	3.77	/	/	17.64	/	/	<=33	Pass
	1910	Edge_1RB_Left	3.31	/	/	17.18	/	/	<=33	Pass
		Edge_1RB_Right	3.44	/	/	17.31	/	/	<=33	Pass
		Outer_Full	3.05	/	/	16.92	/	/	<=33	Pass
		Inner_Full	3.05	/	/	16.92	/	/	<=33	Pass
		Inner_1RB_Left	2.58	/	/	16.45	/	/	<=33	Pass
			Inner_1RB_Right	3.55	/	/	17.42	/	/	<=33
Note1: Antenna Gain: Ant1: 1.55dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_15MHz_NTNV_EIRP

5G NR n25 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1857.5	Edge_1RB_Left	19.52	/	/	21.07	/	/	<=33	Pass
		Edge_1RB_Right	22.42	/	/	23.97	/	/	<=33	Pass
		Outer_Full	21.58	/	/	23.13	/	/	<=33	Pass
		Inner_Full	21.76	/	/	23.31	/	/	<=33	Pass
		Inner_1RB_Left	21.74	/	/	23.29	/	/	<=33	Pass
		Inner_1RB_Right	22.83	/	/	24.38	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	21.96	/	/	23.51	/	/	<=33	Pass
		Edge_1RB_Right	22.34	/	/	23.89	/	/	<=33	Pass
		Outer_Full	21.22	/	/	22.77	/	/	<=33	Pass
		Inner_Full	21.26	/	/	22.81	/	/	<=33	Pass
		Inner_1RB_Left	22.15	/	/	23.7	/	/	<=33	Pass
		Inner_1RB_Right	22.74	/	/	24.29	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	21.62	/	/	23.17	/	/	<=33	Pass
		Edge_1RB_Right	20.64	/	/	22.19	/	/	<=33	Pass
		Outer_Full	20.31	/	/	21.86	/	/	<=33	Pass
		Inner_Full	19.91	/	/	21.46	/	/	<=33	Pass
		Inner_1RB_Left	21.68	/	/	23.23	/	/	<=33	Pass
		Inner_1RB_Right	20.95	/	/	22.5	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1857.5	Edge_1RB_Left	20.33	/	/	21.88	/	/	<=33	Pass
		Edge_1RB_Right	21.22	/	/	22.77	/	/	<=33	Pass
		Outer_Full	20.32	/	/	21.87	/	/	<=33	Pass
		Inner_Full	20.58	/	/	22.13	/	/	<=33	Pass

		Inner_1RB_Left	20.44	/	/	21.99	/	/	<=33	Pass
		Inner_1RB_Right	21.58	/	/	23.13	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.87	/	/	22.42	/	/	<=33	Pass
		Edge_1RB_Right	21.34	/	/	22.89	/	/	<=33	Pass
		Outer_Full	19.97	/	/	21.52	/	/	<=33	Pass
		Inner_Full	19.97	/	/	21.52	/	/	<=33	Pass
		Inner_1RB_Left	21.09	/	/	22.64	/	/	<=33	Pass
		Inner_1RB_Right	21.66	/	/	23.21	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	20.49	/	/	22.04	/	/	<=33	Pass
		Edge_1RB_Right	19.53	/	/	21.08	/	/	<=33	Pass
		Outer_Full	18.97	/	/	20.52	/	/	<=33	Pass
		Inner_Full	18.75	/	/	20.3	/	/	<=33	Pass
		Inner_1RB_Left	20.67	/	/	22.22	/	/	<=33	Pass
		Inner_1RB_Right	20.01	/	/	21.56	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1857.5	Edge_1RB_Left	19.6	/	/	21.15	/	/	<=33	Pass
		Edge_1RB_Right	20.49	/	/	22.04	/	/	<=33	Pass
		Outer_Full	19.64	/	/	21.19	/	/	<=33	Pass
		Inner_Full	19.46	/	/	21.01	/	/	<=33	Pass
		Inner_1RB_Left	19.38	/	/	20.93	/	/	<=33	Pass
		Inner_1RB_Right	20.58	/	/	22.13	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.19	/	/	21.74	/	/	<=33	Pass
		Edge_1RB_Right	20.76	/	/	22.31	/	/	<=33	Pass
		Outer_Full	19.21	/	/	20.76	/	/	<=33	Pass
		Inner_Full	18.77	/	/	20.32	/	/	<=33	Pass
		Inner_1RB_Left	19.98	/	/	21.53	/	/	<=33	Pass
		Inner_1RB_Right	20.7	/	/	22.25	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	19.79	/	/	21.34	/	/	<=33	Pass
		Edge_1RB_Right	18.87	/	/	20.42	/	/	<=33	Pass
		Outer_Full	18.19	/	/	19.74	/	/	<=33	Pass
		Inner_Full	17.61	/	/	19.16	/	/	<=33	Pass
		Inner_1RB_Left	19.58	/	/	21.13	/	/	<=33	Pass
		Inner_1RB_Right	19.02	/	/	20.57	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1857.5	Edge_1RB_Left	17.78	/	/	19.33	/	/	<=33	Pass
		Edge_1RB_Right	18.69	/	/	20.24	/	/	<=33	Pass
		Outer_Full	18.01	/	/	19.56	/	/	<=33	Pass
		Inner_Full	17.9	/	/	19.45	/	/	<=33	Pass
		Inner_1RB_Left	17.64	/	/	19.19	/	/	<=33	Pass
		Inner_1RB_Right	18.87	/	/	20.42	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	18.46	/	/	20.01	/	/	<=33	Pass
		Edge_1RB_Right	19.17	/	/	20.72	/	/	<=33	Pass
		Outer_Full	17.64	/	/	19.19	/	/	<=33	Pass
		Inner_Full	17.04	/	/	18.59	/	/	<=33	Pass
		Inner_1RB_Left	18.09	/	/	19.64	/	/	<=33	Pass
		Inner_1RB_Right	18.95	/	/	20.5	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	18.21	/	/	19.76	/	/	<=33	Pass
		Edge_1RB_Right	17.27	/	/	18.82	/	/	<=33	Pass
		Outer_Full	16.75	/	/	18.3	/	/	<=33	Pass
		Inner_Full	16.09	/	/	17.64	/	/	<=33	Pass

CP-OFDM QPSK		Inner_1RB_Left	17.91	/	/	19.46	/	/	<=33	Pass
		Inner_1RB_Right	17.38	/	/	18.93	/	/	<=33	Pass
	1857.5	Edge_1RB_Left	19.47	/	/	21.02	/	/	<=33	Pass
		Edge_1RB_Right	20.28	/	/	21.83	/	/	<=33	Pass
		Outer_Full	19.71	/	/	21.26	/	/	<=33	Pass
		Inner_Full	20.2	/	/	21.75	/	/	<=33	Pass
		Inner_1RB_Left	19.92	/	/	21.47	/	/	<=33	Pass
		Inner_1RB_Right	21.05	/	/	22.6	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.89	/	/	21.44	/	/	<=33	Pass
		Edge_1RB_Right	20.33	/	/	21.88	/	/	<=33	Pass
		Outer_Full	19.19	/	/	20.74	/	/	<=33	Pass
		Inner_Full	19.43	/	/	20.98	/	/	<=33	Pass
		Inner_1RB_Left	20.42	/	/	21.97	/	/	<=33	Pass
		Inner_1RB_Right	20.86	/	/	22.41	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	19.63	/	/	21.18	/	/	<=33	Pass
		Edge_1RB_Right	18.64	/	/	20.19	/	/	<=33	Pass
		Outer_Full	18.33	/	/	19.88	/	/	<=33	Pass
		Inner_Full	18.41	/	/	19.96	/	/	<=33	Pass
		Inner_1RB_Left	20.16	/	/	21.71	/	/	<=33	Pass
		Inner_1RB_Right	19.34	/	/	20.89	/	/	<=33	Pass
CP-OFDM 16 QAM	1857.5	Edge_1RB_Left	19.24	/	/	20.79	/	/	<=33	Pass
		Edge_1RB_Right	20.04	/	/	21.59	/	/	<=33	Pass
		Outer_Full	19.2	/	/	20.75	/	/	<=33	Pass
		Inner_Full	19.52	/	/	21.07	/	/	<=33	Pass
		Inner_1RB_Left	19.39	/	/	20.94	/	/	<=33	Pass
		Inner_1RB_Right	20.53	/	/	22.08	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.7	/	/	21.25	/	/	<=33	Pass
		Edge_1RB_Right	20.14	/	/	21.69	/	/	<=33	Pass
		Outer_Full	18.72	/	/	20.27	/	/	<=33	Pass
		Inner_Full	18.7	/	/	20.25	/	/	<=33	Pass
		Inner_1RB_Left	19.92	/	/	21.47	/	/	<=33	Pass
		Inner_1RB_Right	20.47	/	/	22.02	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	19.42	/	/	20.97	/	/	<=33	Pass
		Edge_1RB_Right	18.42	/	/	19.97	/	/	<=33	Pass
		Outer_Full	17.82	/	/	19.37	/	/	<=33	Pass
		Inner_Full	17.66	/	/	19.21	/	/	<=33	Pass
		Inner_1RB_Left	19.59	/	/	21.14	/	/	<=33	Pass
		Inner_1RB_Right	18.88	/	/	20.43	/	/	<=33	Pass
CP-OFDM 64 QAM	1857.5	Edge_1RB_Left	18.57	/	/	20.12	/	/	<=33	Pass
		Edge_1RB_Right	19.48	/	/	21.03	/	/	<=33	Pass
		Outer_Full	18.59	/	/	20.14	/	/	<=33	Pass
		Inner_Full	19.56	/	/	21.11	/	/	<=33	Pass
		Inner_1RB_Left	19.44	/	/	20.99	/	/	<=33	Pass
		Inner_1RB_Right	20.59	/	/	22.14	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.19	/	/	20.74	/	/	<=33	Pass
		Edge_1RB_Right	19.7	/	/	21.25	/	/	<=33	Pass
		Outer_Full	18.09	/	/	19.64	/	/	<=33	Pass
		Inner_Full	18.73	/	/	20.28	/	/	<=33	Pass

		Inner_1RB_Left	20.02	/	/	21.57	/	/	<=33	Pass
		Inner_1RB_Right	20.56	/	/	22.11	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	18.88	/	/	20.43	/	/	<=33	Pass
		Edge_1RB_Right	17.94	/	/	19.49	/	/	<=33	Pass
		Outer_Full	17.32	/	/	18.87	/	/	<=33	Pass
		Inner_Full	17.68	/	/	19.23	/	/	<=33	Pass
		Inner_1RB_Left	19.54	/	/	21.09	/	/	<=33	Pass
		Inner_1RB_Right	18.86	/	/	20.41	/	/	<=33	Pass
CP-OFDM 256 QAM	1857.5	Edge_1RB_Left	15.98	/	/	17.53	/	/	<=33	Pass
		Edge_1RB_Right	16.91	/	/	18.46	/	/	<=33	Pass
		Outer_Full	16.05	/	/	17.6	/	/	<=33	Pass
		Inner_Full	15.75	/	/	17.3	/	/	<=33	Pass
		Inner_1RB_Left	15.79	/	/	17.34	/	/	<=33	Pass
		Inner_1RB_Right	17.02	/	/	18.57	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.46	/	/	18.01	/	/	<=33	Pass
		Edge_1RB_Right	17.15	/	/	18.7	/	/	<=33	Pass
		Outer_Full	15.52	/	/	17.07	/	/	<=33	Pass
		Inner_Full	15.01	/	/	16.56	/	/	<=33	Pass
		Inner_1RB_Left	16.19	/	/	17.74	/	/	<=33	Pass
		Inner_1RB_Right	17.1	/	/	18.65	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	16.2	/	/	17.75	/	/	<=33	Pass
		Edge_1RB_Right	15.31	/	/	16.86	/	/	<=33	Pass
		Outer_Full	14.57	/	/	16.12	/	/	<=33	Pass
		Inner_Full	13.95	/	/	15.5	/	/	<=33	Pass
		Inner_1RB_Left	15.89	/	/	17.44	/	/	<=33	Pass
		Inner_1RB_Right	15.28	/	/	16.83	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 1.55dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_20MHz_NTNV_EIRP

5G NR n25 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1860	Edge_1RB_Left	19.46	/	/	21.01	/	/	<=33	Pass
		Edge_1RB_Right	21.62	/	/	23.17	/	/	<=33	Pass
		Outer_Full	21.47	/	/	23.02	/	/	<=33	Pass
		Inner_Full	21.87	/	/	23.42	/	/	<=33	Pass
		Inner_1RB_Left	21.72	/	/	23.27	/	/	<=33	Pass
		Inner_1RB_Right	22.05	/	/	23.6	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	22.4	/	/	23.95	/	/	<=33	Pass
		Edge_1RB_Right	22.58	/	/	24.13	/	/	<=33	Pass
		Outer_Full	21.36	/	/	22.91	/	/	<=33	Pass
		Inner_Full	21.16	/	/	22.71	/	/	<=33	Pass
		Inner_1RB_Left	22.78	/	/	24.33	/	/	<=33	Pass
		Inner_1RB_Right	22.96	/	/	24.51	/	/	<=33	Pass
	1905	Edge_1RB_Left	22.33	/	/	23.88	/	/	<=33	Pass
		Edge_1RB_Right	20.44	/	/	21.99	/	/	<=33	Pass

		Outer_Full	20.31	/	/	21.86	/	/	<=33	Pass
		Inner_Full	19.67	/	/	21.22	/	/	<=33	Pass
		Inner_1RB_Left	22.36	/	/	23.91	/	/	<=33	Pass
		Inner_1RB_Right	20.85	/	/	22.4	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1860	Edge_1RB_Left	20.34	/	/	21.89	/	/	<=33	Pass
		Edge_1RB_Right	20.45	/	/	22	/	/	<=33	Pass
		Outer_Full	20.19	/	/	21.74	/	/	<=33	Pass
		Inner_Full	20.69	/	/	22.24	/	/	<=33	Pass
		Inner_1RB_Left	20.64	/	/	22.19	/	/	<=33	Pass
		Inner_1RB_Right	20.96	/	/	22.51	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	21.31	/	/	22.86	/	/	<=33	Pass
		Edge_1RB_Right	21.59	/	/	23.14	/	/	<=33	Pass
		Outer_Full	20.08	/	/	21.63	/	/	<=33	Pass
		Inner_Full	19.87	/	/	21.42	/	/	<=33	Pass
		Inner_1RB_Left	21.56	/	/	23.11	/	/	<=33	Pass
		Inner_1RB_Right	21.93	/	/	23.48	/	/	<=33	Pass
	1905	Edge_1RB_Left	21.2	/	/	22.75	/	/	<=33	Pass
		Edge_1RB_Right	19.41	/	/	20.96	/	/	<=33	Pass
		Outer_Full	19.01	/	/	20.56	/	/	<=33	Pass
		Inner_Full	18.61	/	/	20.16	/	/	<=33	Pass
		Inner_1RB_Left	21.4	/	/	22.95	/	/	<=33	Pass
		Inner_1RB_Right	19.9	/	/	21.45	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1860	Edge_1RB_Left	19.8	/	/	21.35	/	/	<=33	Pass
		Edge_1RB_Right	19.9	/	/	21.45	/	/	<=33	Pass
		Outer_Full	19.55	/	/	21.1	/	/	<=33	Pass
		Inner_Full	19.63	/	/	21.18	/	/	<=33	Pass
		Inner_1RB_Left	19.63	/	/	21.18	/	/	<=33	Pass
		Inner_1RB_Right	19.86	/	/	21.41	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.47	/	/	22.02	/	/	<=33	Pass
		Edge_1RB_Right	21.12	/	/	22.67	/	/	<=33	Pass
		Outer_Full	19.32	/	/	20.87	/	/	<=33	Pass
		Inner_Full	18.63	/	/	20.18	/	/	<=33	Pass
		Inner_1RB_Left	20.43	/	/	21.98	/	/	<=33	Pass
		Inner_1RB_Right	21.13	/	/	22.68	/	/	<=33	Pass
	1905	Edge_1RB_Left	20.62	/	/	22.17	/	/	<=33	Pass
		Edge_1RB_Right	18.84	/	/	20.39	/	/	<=33	Pass
		Outer_Full	18.34	/	/	19.89	/	/	<=33	Pass
		Inner_Full	17.46	/	/	19.01	/	/	<=33	Pass
		Inner_1RB_Left	20.39	/	/	21.94	/	/	<=33	Pass
		Inner_1RB_Right	18.87	/	/	20.42	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1860	Edge_1RB_Left	17.87	/	/	19.42	/	/	<=33	Pass
		Edge_1RB_Right	17.93	/	/	19.48	/	/	<=33	Pass
		Outer_Full	17.92	/	/	19.47	/	/	<=33	Pass
		Inner_Full	17.98	/	/	19.53	/	/	<=33	Pass
		Inner_1RB_Left	17.71	/	/	19.26	/	/	<=33	Pass
		Inner_1RB_Right	18.02	/	/	19.57	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	18.88	/	/	20.43	/	/	<=33	Pass
		Edge_1RB_Right	19.44	/	/	20.99	/	/	<=33	Pass

		Outer_Full	17.75	/	/	19.3	/	/	<=33	Pass
		Inner_Full	17.07	/	/	18.62	/	/	<=33	Pass
		Inner_1RB_Left	18.71	/	/	20.26	/	/	<=33	Pass
		Inner_1RB_Right	19.47	/	/	21.02	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.08	/	/	20.63	/	/	<=33	Pass
		Edge_1RB_Right	17.21	/	/	18.76	/	/	<=33	Pass
		Outer_Full	16.96	/	/	18.51	/	/	<=33	Pass
		Inner_Full	15.95	/	/	17.5	/	/	<=33	Pass
		Inner_1RB_Left	18.9	/	/	20.45	/	/	<=33	Pass
		Inner_1RB_Right	17.34	/	/	18.89	/	/	<=33	Pass
CP-OFDM QPSK	1860	Edge_1RB_Left	19.68	/	/	21.23	/	/	<=33	Pass
		Edge_1RB_Right	19.85	/	/	21.4	/	/	<=33	Pass
		Outer_Full	19.72	/	/	21.27	/	/	<=33	Pass
		Inner_Full	20.24	/	/	21.79	/	/	<=33	Pass
		Inner_1RB_Left	20.04	/	/	21.59	/	/	<=33	Pass
		Inner_1RB_Right	20.32	/	/	21.87	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.36	/	/	21.91	/	/	<=33	Pass
		Edge_1RB_Right	20.68	/	/	22.23	/	/	<=33	Pass
		Outer_Full	19.49	/	/	21.04	/	/	<=33	Pass
		Inner_Full	19.44	/	/	20.99	/	/	<=33	Pass
		Inner_1RB_Left	20.98	/	/	22.53	/	/	<=33	Pass
		Inner_1RB_Right	21.12	/	/	22.67	/	/	<=33	Pass
	1905	Edge_1RB_Left	20.26	/	/	21.81	/	/	<=33	Pass
		Edge_1RB_Right	18.5	/	/	20.05	/	/	<=33	Pass
		Outer_Full	18.39	/	/	19.94	/	/	<=33	Pass
		Inner_Full	18.26	/	/	19.81	/	/	<=33	Pass
		Inner_1RB_Left	20.63	/	/	22.18	/	/	<=33	Pass
		Inner_1RB_Right	19.18	/	/	20.73	/	/	<=33	Pass
CP-OFDM 16 QAM	1860	Edge_1RB_Left	19.41	/	/	20.96	/	/	<=33	Pass
		Edge_1RB_Right	19.58	/	/	21.13	/	/	<=33	Pass
		Outer_Full	19.16	/	/	20.71	/	/	<=33	Pass
		Inner_Full	19.69	/	/	21.24	/	/	<=33	Pass
		Inner_1RB_Left	19.72	/	/	21.27	/	/	<=33	Pass
		Inner_1RB_Right	19.99	/	/	21.54	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.17	/	/	21.72	/	/	<=33	Pass
		Edge_1RB_Right	20.45	/	/	22	/	/	<=33	Pass
		Outer_Full	18.98	/	/	20.53	/	/	<=33	Pass
		Inner_Full	18.74	/	/	20.29	/	/	<=33	Pass
		Inner_1RB_Left	20.44	/	/	21.99	/	/	<=33	Pass
		Inner_1RB_Right	20.74	/	/	22.29	/	/	<=33	Pass
	1905	Edge_1RB_Left	20.41	/	/	21.96	/	/	<=33	Pass
		Edge_1RB_Right	18.51	/	/	20.06	/	/	<=33	Pass
		Outer_Full	18.01	/	/	19.56	/	/	<=33	Pass
		Inner_Full	17.52	/	/	19.07	/	/	<=33	Pass
		Inner_1RB_Left	20.54	/	/	22.09	/	/	<=33	Pass
		Inner_1RB_Right	18.66	/	/	20.21	/	/	<=33	Pass
CP-OFDM 64 QAM	1860	Edge_1RB_Left	18.68	/	/	20.23	/	/	<=33	Pass
		Edge_1RB_Right	18.83	/	/	20.38	/	/	<=33	Pass

		Outer_Full	18.49	/	/	20.04	/	/	<=33	Pass
		Inner_Full	19.68	/	/	21.23	/	/	<=33	Pass
		Inner_1RB_Left	19.84	/	/	21.39	/	/	<=33	Pass
		Inner_1RB_Right	20.12	/	/	21.67	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.78	/	/	21.33	/	/	<=33	Pass
		Edge_1RB_Right	19.91	/	/	21.46	/	/	<=33	Pass
		Outer_Full	18.42	/	/	19.97	/	/	<=33	Pass
		Inner_Full	18.74	/	/	20.29	/	/	<=33	Pass
		Inner_1RB_Left	20.47	/	/	22.02	/	/	<=33	Pass
		Inner_1RB_Right	20.78	/	/	22.33	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.54	/	/	21.09	/	/	<=33	Pass
		Edge_1RB_Right	17.86	/	/	19.41	/	/	<=33	Pass
		Outer_Full	17.52	/	/	19.07	/	/	<=33	Pass
		Inner_Full	17.49	/	/	19.04	/	/	<=33	Pass
		Inner_1RB_Left	20.32	/	/	21.87	/	/	<=33	Pass
		Inner_1RB_Right	18.75	/	/	20.3	/	/	<=33	Pass
CP-OFDM 256 QAM	1860	Edge_1RB_Left	15.99	/	/	17.54	/	/	<=33	Pass
		Edge_1RB_Right	16.13	/	/	17.68	/	/	<=33	Pass
		Outer_Full	15.92	/	/	17.47	/	/	<=33	Pass
		Inner_Full	15.97	/	/	17.52	/	/	<=33	Pass
		Inner_1RB_Left	15.83	/	/	17.38	/	/	<=33	Pass
		Inner_1RB_Right	16.14	/	/	17.69	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.82	/	/	18.37	/	/	<=33	Pass
		Edge_1RB_Right	17.45	/	/	19	/	/	<=33	Pass
		Outer_Full	15.73	/	/	17.28	/	/	<=33	Pass
		Inner_Full	14.52	/	/	16.07	/	/	<=33	Pass
		Inner_1RB_Left	16.09	/	/	17.64	/	/	<=33	Pass
		Inner_1RB_Right	16.98	/	/	18.53	/	/	<=33	Pass
	1905	Edge_1RB_Left	17.21	/	/	18.76	/	/	<=33	Pass
		Edge_1RB_Right	15.35	/	/	16.9	/	/	<=33	Pass
		Outer_Full	14.88	/	/	16.43	/	/	<=33	Pass
		Inner_Full	14.02	/	/	15.57	/	/	<=33	Pass
Inner_1RB_Left		17.09	/	/	18.64	/	/	<=33	Pass	
Inner_1RB_Right		15.47	/	/	17.02	/	/	<=33	Pass	
Note1: Antenna Gain: Ant1: 1.55dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30k_SISO_10MHz_NTNV_EIRP

5G NR n25 SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1855	Edge_1RB_Left	19.88	/	/	21.43	/	/	<=33	Pass
		Edge_1RB_Right	20.68	/	/	22.23	/	/	<=33	Pass
		Outer_Full	20.31	/	/	21.86	/	/	<=33	Pass
		Inner_Full	20.28	/	/	21.83	/	/	<=33	Pass
		Inner_1RB_Left	20.01	/	/	21.56	/	/	<=33	Pass
		Inner_1RB_Right	20.98	/	/	22.53	/	/	<=33	Pass

	1882.5	Edge_1RB_Left	18.7	/	/	20.25	/	/	<=33	Pass
		Edge_1RB_Right	19.11	/	/	20.66	/	/	<=33	Pass
		Outer_Full	18.72	/	/	20.27	/	/	<=33	Pass
		Inner_Full	18.83	/	/	20.38	/	/	<=33	Pass
		Inner_1RB_Left	18.88	/	/	20.43	/	/	<=33	Pass
		Inner_1RB_Right	19.49	/	/	21.04	/	/	<=33	Pass
	1910	Edge_1RB_Left	18.66	/	/	20.21	/	/	<=33	Pass
		Edge_1RB_Right	18.77	/	/	20.32	/	/	<=33	Pass
		Outer_Full	18.93	/	/	20.48	/	/	<=33	Pass
		Inner_Full	18.93	/	/	20.48	/	/	<=33	Pass
		Inner_1RB_Left	18.8	/	/	20.35	/	/	<=33	Pass
		Inner_1RB_Right	19.31	/	/	20.86	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1855	Edge_1RB_Left	18.35	/	/	19.9	/	/	<=33	Pass
		Edge_1RB_Right	19.08	/	/	20.63	/	/	<=33	Pass
		Outer_Full	18.53	/	/	20.08	/	/	<=33	Pass
		Inner_Full	18.79	/	/	20.34	/	/	<=33	Pass
		Inner_1RB_Left	18.57	/	/	20.12	/	/	<=33	Pass
		Inner_1RB_Right	19.57	/	/	21.12	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	17.56	/	/	19.11	/	/	<=33	Pass
		Edge_1RB_Right	18.05	/	/	19.6	/	/	<=33	Pass
		Outer_Full	17.4	/	/	18.95	/	/	<=33	Pass
		Inner_Full	17.68	/	/	19.23	/	/	<=33	Pass
		Inner_1RB_Left	17.81	/	/	19.36	/	/	<=33	Pass
		Inner_1RB_Right	18.42	/	/	19.97	/	/	<=33	Pass
	1910	Edge_1RB_Left	17.49	/	/	19.04	/	/	<=33	Pass
		Edge_1RB_Right	17.65	/	/	19.2	/	/	<=33	Pass
		Outer_Full	17.58	/	/	19.13	/	/	<=33	Pass
		Inner_Full	17.87	/	/	19.42	/	/	<=33	Pass
		Inner_1RB_Left	17.76	/	/	19.31	/	/	<=33	Pass
		Inner_1RB_Right	18.33	/	/	19.88	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1855	Edge_1RB_Left	17.38	/	/	18.93	/	/	<=33	Pass
		Edge_1RB_Right	18.25	/	/	19.8	/	/	<=33	Pass
		Outer_Full	17.62	/	/	19.17	/	/	<=33	Pass
		Inner_Full	17.5	/	/	19.05	/	/	<=33	Pass
		Inner_1RB_Left	17.27	/	/	18.82	/	/	<=33	Pass
		Inner_1RB_Right	18.19	/	/	19.74	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.75	/	/	18.3	/	/	<=33	Pass
		Edge_1RB_Right	17.28	/	/	18.83	/	/	<=33	Pass
		Outer_Full	16.57	/	/	18.12	/	/	<=33	Pass
		Inner_Full	16.41	/	/	17.96	/	/	<=33	Pass
		Inner_1RB_Left	16.53	/	/	18.08	/	/	<=33	Pass
		Inner_1RB_Right	17.31	/	/	18.86	/	/	<=33	Pass
	1910	Edge_1RB_Left	16.86	/	/	18.41	/	/	<=33	Pass
		Edge_1RB_Right	17.03	/	/	18.58	/	/	<=33	Pass
		Outer_Full	16.84	/	/	18.39	/	/	<=33	Pass
		Inner_Full	16.74	/	/	18.29	/	/	<=33	Pass
		Inner_1RB_Left	16.63	/	/	18.18	/	/	<=33	Pass
		Inner_1RB_Right	17.19	/	/	18.74	/	/	<=33	Pass

DFT-s-OFDM 256 QAM	1855	Edge_1RB_Left	15.94	/	/	17.49	/	/	<=33	Pass
		Edge_1RB_Right	16.69	/	/	18.24	/	/	<=33	Pass
		Outer_Full	16.2	/	/	17.75	/	/	<=33	Pass
		Inner_Full	16.07	/	/	17.62	/	/	<=33	Pass
		Inner_1RB_Left	15.68	/	/	17.23	/	/	<=33	Pass
		Inner_1RB_Right	16.79	/	/	18.34	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	14.97	/	/	16.52	/	/	<=33	Pass
		Edge_1RB_Right	15.56	/	/	17.11	/	/	<=33	Pass
		Outer_Full	14.94	/	/	16.49	/	/	<=33	Pass
		Inner_Full	14.79	/	/	16.34	/	/	<=33	Pass
		Inner_1RB_Left	14.75	/	/	16.3	/	/	<=33	Pass
		Inner_1RB_Right	15.57	/	/	17.12	/	/	<=33	Pass
	1910	Edge_1RB_Left	15.19	/	/	16.74	/	/	<=33	Pass
		Edge_1RB_Right	15.45	/	/	17	/	/	<=33	Pass
		Outer_Full	15.34	/	/	16.89	/	/	<=33	Pass
		Inner_Full	15.21	/	/	16.76	/	/	<=33	Pass
		Inner_1RB_Left	14.96	/	/	16.51	/	/	<=33	Pass
		Inner_1RB_Right	15.73	/	/	17.28	/	/	<=33	Pass
CP-OFDM QPSK	1855	Edge_1RB_Left	17.32	/	/	18.87	/	/	<=33	Pass
		Edge_1RB_Right	18.04	/	/	19.59	/	/	<=33	Pass
		Outer_Full	17.76	/	/	19.31	/	/	<=33	Pass
		Inner_Full	18.2	/	/	19.75	/	/	<=33	Pass
		Inner_1RB_Left	17.78	/	/	19.33	/	/	<=33	Pass
		Inner_1RB_Right	18.75	/	/	20.3	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.67	/	/	18.22	/	/	<=33	Pass
		Edge_1RB_Right	17.05	/	/	18.6	/	/	<=33	Pass
		Outer_Full	16.61	/	/	18.16	/	/	<=33	Pass
		Inner_Full	17.15	/	/	18.7	/	/	<=33	Pass
		Inner_1RB_Left	17.16	/	/	18.71	/	/	<=33	Pass
		Inner_1RB_Right	17.74	/	/	19.29	/	/	<=33	Pass
	1910	Edge_1RB_Left	16.69	/	/	18.24	/	/	<=33	Pass
		Edge_1RB_Right	16.75	/	/	18.3	/	/	<=33	Pass
		Outer_Full	16.87	/	/	18.42	/	/	<=33	Pass
		Inner_Full	17.31	/	/	18.86	/	/	<=33	Pass
		Inner_1RB_Left	17.14	/	/	18.69	/	/	<=33	Pass
		Inner_1RB_Right	17.61	/	/	19.16	/	/	<=33	Pass
CP-OFDM 16 QAM	1855	Edge_1RB_Left	16.95	/	/	18.5	/	/	<=33	Pass
		Edge_1RB_Right	17.67	/	/	19.22	/	/	<=33	Pass
		Outer_Full	17.06	/	/	18.61	/	/	<=33	Pass
		Inner_Full	17.43	/	/	18.98	/	/	<=33	Pass
		Inner_1RB_Left	17.18	/	/	18.73	/	/	<=33	Pass
		Inner_1RB_Right	18.19	/	/	19.74	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.29	/	/	17.84	/	/	<=33	Pass
		Edge_1RB_Right	16.72	/	/	18.27	/	/	<=33	Pass
		Outer_Full	16.06	/	/	17.61	/	/	<=33	Pass
		Inner_Full	16.4	/	/	17.95	/	/	<=33	Pass
		Inner_1RB_Left	16.54	/	/	18.09	/	/	<=33	Pass
		Inner_1RB_Right	17.19	/	/	18.74	/	/	<=33	Pass

	1910	Edge_1RB_Left	16.38	/	/	17.93	/	/	<=33	Pass
		Edge_1RB_Right	16.47	/	/	18.02	/	/	<=33	Pass
		Outer_Full	16.33	/	/	17.88	/	/	<=33	Pass
		Inner_Full	16.67	/	/	18.22	/	/	<=33	Pass
		Inner_1RB_Left	16.62	/	/	18.17	/	/	<=33	Pass
		Inner_1RB_Right	17.18	/	/	18.73	/	/	<=33	Pass
CP-OFDM 64 QAM	1855	Edge_1RB_Left	16.58	/	/	18.13	/	/	<=33	Pass
		Edge_1RB_Right	17.29	/	/	18.84	/	/	<=33	Pass
		Outer_Full	16.53	/	/	18.08	/	/	<=33	Pass
		Inner_Full	17.38	/	/	18.93	/	/	<=33	Pass
		Inner_1RB_Left	17.2	/	/	18.75	/	/	<=33	Pass
		Inner_1RB_Right	18.3	/	/	19.85	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	15.76	/	/	17.31	/	/	<=33	Pass
		Edge_1RB_Right	16.25	/	/	17.8	/	/	<=33	Pass
		Outer_Full	15.4	/	/	16.95	/	/	<=33	Pass
		Inner_Full	16.41	/	/	17.96	/	/	<=33	Pass
		Inner_1RB_Left	16.71	/	/	18.26	/	/	<=33	Pass
		Inner_1RB_Right	17.35	/	/	18.9	/	/	<=33	Pass
	1910	Edge_1RB_Left	15.91	/	/	17.46	/	/	<=33	Pass
		Edge_1RB_Right	16.07	/	/	17.62	/	/	<=33	Pass
		Outer_Full	15.72	/	/	17.27	/	/	<=33	Pass
		Inner_Full	16.67	/	/	18.22	/	/	<=33	Pass
		Inner_1RB_Left	16.78	/	/	18.33	/	/	<=33	Pass
		Inner_1RB_Right	17.31	/	/	18.86	/	/	<=33	Pass
CP-OFDM 256 QAM	1855	Edge_1RB_Left	13.8	/	/	15.35	/	/	<=33	Pass
		Edge_1RB_Right	14.63	/	/	16.18	/	/	<=33	Pass
		Outer_Full	13.93	/	/	15.48	/	/	<=33	Pass
		Inner_Full	13.93	/	/	15.48	/	/	<=33	Pass
		Inner_1RB_Left	13.59	/	/	15.14	/	/	<=33	Pass
		Inner_1RB_Right	14.78	/	/	16.33	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	13.1	/	/	14.65	/	/	<=33	Pass
		Edge_1RB_Right	13.72	/	/	15.27	/	/	<=33	Pass
		Outer_Full	12.95	/	/	14.5	/	/	<=33	Pass
		Inner_Full	12.79	/	/	14.34	/	/	<=33	Pass
		Inner_1RB_Left	12.88	/	/	14.43	/	/	<=33	Pass
		Inner_1RB_Right	13.73	/	/	15.28	/	/	<=33	Pass
	1910	Edge_1RB_Left	13.28	/	/	14.83	/	/	<=33	Pass
		Edge_1RB_Right	13.6	/	/	15.15	/	/	<=33	Pass
		Outer_Full	13.29	/	/	14.84	/	/	<=33	Pass
		Inner_Full	13.22	/	/	14.77	/	/	<=33	Pass
		Inner_1RB_Left	13.07	/	/	14.62	/	/	<=33	Pass
		Inner_1RB_Right	13.97	/	/	15.52	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 1.55dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30k_SISO_15MHz_NTNV_EIRP

5G NR n25 SCS=30kHz SISO 15MHz NTNv

Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1857.5	Edge_1RB_Left	19.93	/	/	21.48	/	/	<=33	Pass
		Edge_1RB_Right	20.94	/	/	22.49	/	/	<=33	Pass
		Outer_Full	20.28	/	/	21.83	/	/	<=33	Pass
		Inner_Full	20.3	/	/	21.85	/	/	<=33	Pass
		Inner_1RB_Left	20.15	/	/	21.7	/	/	<=33	Pass
		Inner_1RB_Right	21.09	/	/	22.64	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.48	/	/	21.03	/	/	<=33	Pass
		Edge_1RB_Right	20.45	/	/	22	/	/	<=33	Pass
		Outer_Full	19.3	/	/	20.85	/	/	<=33	Pass
		Inner_Full	19.19	/	/	20.74	/	/	<=33	Pass
		Inner_1RB_Left	19.85	/	/	21.4	/	/	<=33	Pass
		Inner_1RB_Right	20.56	/	/	22.11	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	19.39	/	/	20.94	/	/	<=33	Pass
		Edge_1RB_Right	19.18	/	/	20.73	/	/	<=33	Pass
		Outer_Full	18.67	/	/	20.22	/	/	<=33	Pass
		Inner_Full	18.35	/	/	19.9	/	/	<=33	Pass
		Inner_1RB_Left	19.64	/	/	21.19	/	/	<=33	Pass
		Inner_1RB_Right	19.53	/	/	21.08	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1857.5	Edge_1RB_Left	18.71	/	/	20.26	/	/	<=33	Pass
		Edge_1RB_Right	19.55	/	/	21.1	/	/	<=33	Pass
		Outer_Full	18.76	/	/	20.31	/	/	<=33	Pass
		Inner_Full	19.07	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Left	19.03	/	/	20.58	/	/	<=33	Pass
		Inner_1RB_Right	19.95	/	/	21.5	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	18.43	/	/	19.98	/	/	<=33	Pass
		Edge_1RB_Right	19.43	/	/	20.98	/	/	<=33	Pass
		Outer_Full	18.01	/	/	19.56	/	/	<=33	Pass
		Inner_Full	18.05	/	/	19.6	/	/	<=33	Pass
		Inner_1RB_Left	18.79	/	/	20.34	/	/	<=33	Pass
		Inner_1RB_Right	19.62	/	/	21.17	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	18.29	/	/	19.84	/	/	<=33	Pass
		Edge_1RB_Right	18.09	/	/	19.64	/	/	<=33	Pass
		Outer_Full	17.42	/	/	18.97	/	/	<=33	Pass
		Inner_Full	17.24	/	/	18.79	/	/	<=33	Pass
		Inner_1RB_Left	18.55	/	/	20.1	/	/	<=33	Pass
		Inner_1RB_Right	18.48	/	/	20.03	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1857.5	Edge_1RB_Left	17.84	/	/	19.39	/	/	<=33	Pass
		Edge_1RB_Right	18.71	/	/	20.26	/	/	<=33	Pass
		Outer_Full	17.88	/	/	19.43	/	/	<=33	Pass
		Inner_Full	17.74	/	/	19.29	/	/	<=33	Pass
		Inner_1RB_Left	17.74	/	/	19.29	/	/	<=33	Pass
		Inner_1RB_Right	18.69	/	/	20.24	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	17.51	/	/	19.06	/	/	<=33	Pass
		Edge_1RB_Right	18.58	/	/	20.13	/	/	<=33	Pass
		Outer_Full	17.08	/	/	18.63	/	/	<=33	Pass
		Inner_Full	16.72	/	/	18.27	/	/	<=33	Pass
		Inner_1RB_Left	17.28	/	/	18.83	/	/	<=33	Pass

	1907.5	Inner_1RB_Right	18.41	/	/	19.96	/	/	<=33	Pass
		Edge_1RB_Left	17.58	/	/	19.13	/	/	<=33	Pass
		Edge_1RB_Right	17.24	/	/	18.79	/	/	<=33	Pass
		Outer_Full	16.5	/	/	18.05	/	/	<=33	Pass
		Inner_Full	16.09	/	/	17.64	/	/	<=33	Pass
		Inner_1RB_Left	17.26	/	/	18.81	/	/	<=33	Pass
		Inner_1RB_Right	17.43	/	/	18.98	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1857.5	Edge_1RB_Left	16.2	/	/	17.75	/	/	<=33	Pass
		Edge_1RB_Right	17.05	/	/	18.6	/	/	<=33	Pass
		Outer_Full	16.31	/	/	17.86	/	/	<=33	Pass
		Inner_Full	16.23	/	/	17.78	/	/	<=33	Pass
		Inner_1RB_Left	16.12	/	/	17.67	/	/	<=33	Pass
		Inner_1RB_Right	17.03	/	/	18.58	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	15.93	/	/	17.48	/	/	<=33	Pass
		Edge_1RB_Right	17.12	/	/	18.67	/	/	<=33	Pass
		Outer_Full	15.53	/	/	17.08	/	/	<=33	Pass
		Inner_Full	15.19	/	/	16.74	/	/	<=33	Pass
		Inner_1RB_Left	15.8	/	/	17.35	/	/	<=33	Pass
		Inner_1RB_Right	16.87	/	/	18.42	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	16.19	/	/	17.74	/	/	<=33	Pass
		Edge_1RB_Right	16.04	/	/	17.59	/	/	<=33	Pass
		Outer_Full	15.56	/	/	17.11	/	/	<=33	Pass
		Inner_Full	14.68	/	/	16.23	/	/	<=33	Pass
		Inner_1RB_Left	16.03	/	/	17.58	/	/	<=33	Pass
		Inner_1RB_Right	16.07	/	/	17.62	/	/	<=33	Pass
CP-OFDM QPSK	1857.5	Edge_1RB_Left	17.72	/	/	19.27	/	/	<=33	Pass
		Edge_1RB_Right	18.95	/	/	20.5	/	/	<=33	Pass
		Outer_Full	18.09	/	/	19.64	/	/	<=33	Pass
		Inner_Full	18.55	/	/	20.1	/	/	<=33	Pass
		Inner_1RB_Left	18.4	/	/	19.95	/	/	<=33	Pass
		Inner_1RB_Right	19.25	/	/	20.8	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	17.57	/	/	19.12	/	/	<=33	Pass
		Edge_1RB_Right	18.37	/	/	19.92	/	/	<=33	Pass
		Outer_Full	17.41	/	/	18.96	/	/	<=33	Pass
		Inner_Full	17.62	/	/	19.17	/	/	<=33	Pass
		Inner_1RB_Left	18.22	/	/	19.77	/	/	<=33	Pass
		Inner_1RB_Right	18.88	/	/	20.43	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	17.7	/	/	19.25	/	/	<=33	Pass
		Edge_1RB_Right	17.41	/	/	18.96	/	/	<=33	Pass
		Outer_Full	17.05	/	/	18.6	/	/	<=33	Pass
		Inner_Full	17.19	/	/	18.74	/	/	<=33	Pass
		Inner_1RB_Left	18.39	/	/	19.94	/	/	<=33	Pass
		Inner_1RB_Right	18.21	/	/	19.76	/	/	<=33	Pass
CP-OFDM 16 QAM	1857.5	Edge_1RB_Left	17.24	/	/	18.79	/	/	<=33	Pass
		Edge_1RB_Right	18.2	/	/	19.75	/	/	<=33	Pass
		Outer_Full	17.4	/	/	18.95	/	/	<=33	Pass
		Inner_Full	17.79	/	/	19.34	/	/	<=33	Pass
		Inner_1RB_Left	17.78	/	/	19.33	/	/	<=33	Pass

	1882.5	Inner_1RB_Right	18.66	/	/	20.21	/	/	<=33	Pass
		Edge_1RB_Left	17.18	/	/	18.73	/	/	<=33	Pass
		Edge_1RB_Right	18.04	/	/	19.59	/	/	<=33	Pass
		Outer_Full	16.71	/	/	18.26	/	/	<=33	Pass
		Inner_Full	16.79	/	/	18.34	/	/	<=33	Pass
		Inner_1RB_Left	17.46	/	/	19.01	/	/	<=33	Pass
		Inner_1RB_Right	18.27	/	/	19.82	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	17.53	/	/	19.08	/	/	<=33	Pass
		Edge_1RB_Right	17.3	/	/	18.85	/	/	<=33	Pass
		Outer_Full	16.61	/	/	18.16	/	/	<=33	Pass
		Inner_Full	16.47	/	/	18.02	/	/	<=33	Pass
		Inner_1RB_Left	17.83	/	/	19.38	/	/	<=33	Pass
		Inner_1RB_Right	17.7	/	/	19.25	/	/	<=33	Pass
CP-OFDM 64 QAM	1857.5	Edge_1RB_Left	16.99	/	/	18.54	/	/	<=33	Pass
		Edge_1RB_Right	17.82	/	/	19.37	/	/	<=33	Pass
		Outer_Full	16.93	/	/	18.48	/	/	<=33	Pass
		Inner_Full	17.8	/	/	19.35	/	/	<=33	Pass
		Inner_1RB_Left	17.88	/	/	19.43	/	/	<=33	Pass
		Inner_1RB_Right	18.79	/	/	20.34	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.68	/	/	18.23	/	/	<=33	Pass
		Edge_1RB_Right	17.72	/	/	19.27	/	/	<=33	Pass
		Outer_Full	16.16	/	/	17.71	/	/	<=33	Pass
		Inner_Full	16.77	/	/	18.32	/	/	<=33	Pass
		Inner_1RB_Left	17.62	/	/	19.17	/	/	<=33	Pass
		Inner_1RB_Right	18.39	/	/	19.94	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	17.16	/	/	18.71	/	/	<=33	Pass
		Edge_1RB_Right	16.86	/	/	18.41	/	/	<=33	Pass
		Outer_Full	16.11	/	/	17.66	/	/	<=33	Pass
		Inner_Full	16.49	/	/	18.04	/	/	<=33	Pass
		Inner_1RB_Left	17.96	/	/	19.51	/	/	<=33	Pass
		Inner_1RB_Right	17.85	/	/	19.4	/	/	<=33	Pass
CP-OFDM 256 QAM	1857.5	Edge_1RB_Left	14.05	/	/	15.6	/	/	<=33	Pass
		Edge_1RB_Right	14.97	/	/	16.52	/	/	<=33	Pass
		Outer_Full	14.1	/	/	15.65	/	/	<=33	Pass
		Inner_Full	14.35	/	/	15.9	/	/	<=33	Pass
		Inner_1RB_Left	14.06	/	/	15.61	/	/	<=33	Pass
		Inner_1RB_Right	15.17	/	/	16.72	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	13.88	/	/	15.43	/	/	<=33	Pass
		Edge_1RB_Right	15.11	/	/	16.66	/	/	<=33	Pass
		Outer_Full	13.54	/	/	15.09	/	/	<=33	Pass
		Inner_Full	13.13	/	/	14.68	/	/	<=33	Pass
		Inner_1RB_Left	13.73	/	/	15.28	/	/	<=33	Pass
		Inner_1RB_Right	14.85	/	/	16.4	/	/	<=33	Pass
	1907.5	Edge_1RB_Left	14.36	/	/	15.91	/	/	<=33	Pass
		Edge_1RB_Right	14.3	/	/	15.85	/	/	<=33	Pass
		Outer_Full	13.42	/	/	14.97	/	/	<=33	Pass
		Inner_Full	12.82	/	/	14.37	/	/	<=33	Pass
		Inner_1RB_Left	14.24	/	/	15.79	/	/	<=33	Pass

		Inner_1RB_Right	14.3	/	/	15.85	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 1.55dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.7 30k_SISO_20MHz_NTNV_EIRP

5G NR n25 SCS=30kHz SISO 20MHz NTV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1860	Edge_1RB_Left	22.17	/	/	22.17	/	/	<=33	Pass
		Edge_1RB_Right	22.35	/	/	22.35	/	/	<=33	Pass
		Outer_Full	22.4	/	/	22.4	/	/	<=33	Pass
		Inner_Full	22.62	/	/	22.62	/	/	<=33	Pass
		Inner_1RB_Left	22.56	/	/	22.56	/	/	<=33	Pass
		Inner_1RB_Right	22.63	/	/	22.63	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	22.1	/	/	22.1	/	/	<=33	Pass
		Edge_1RB_Right	22.91	/	/	22.91	/	/	<=33	Pass
		Outer_Full	21.59	/	/	21.59	/	/	<=33	Pass
		Inner_Full	21.41	/	/	21.41	/	/	<=33	Pass
		Inner_1RB_Left	22.56	/	/	22.56	/	/	<=33	Pass
		Inner_1RB_Right	23.04	/	/	23.04	/	/	<=33	Pass
	1905	Edge_1RB_Left	22.35	/	/	22.35	/	/	<=33	Pass
		Edge_1RB_Right	21.31	/	/	21.31	/	/	<=33	Pass
		Outer_Full	20.86	/	/	20.86	/	/	<=33	Pass
		Inner_Full	20.23	/	/	20.23	/	/	<=33	Pass
		Inner_1RB_Left	22.57	/	/	22.57	/	/	<=33	Pass
		Inner_1RB_Right	21.65	/	/	21.65	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	1860	Edge_1RB_Left	21.02	/	/	21.02	/	/	<=33	Pass
		Edge_1RB_Right	21.22	/	/	21.22	/	/	<=33	Pass
		Outer_Full	20.97	/	/	20.97	/	/	<=33	Pass
		Inner_Full	21.47	/	/	21.47	/	/	<=33	Pass
		Inner_1RB_Left	21.46	/	/	21.46	/	/	<=33	Pass
		Inner_1RB_Right	21.55	/	/	21.55	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	21.07	/	/	21.07	/	/	<=33	Pass
		Edge_1RB_Right	21.88	/	/	21.88	/	/	<=33	Pass
		Outer_Full	20.38	/	/	20.38	/	/	<=33	Pass
		Inner_Full	20.19	/	/	20.19	/	/	<=33	Pass
		Inner_1RB_Left	21.45	/	/	21.45	/	/	<=33	Pass
		Inner_1RB_Right	22.09	/	/	22.09	/	/	<=33	Pass
	1905	Edge_1RB_Left	21.21	/	/	21.21	/	/	<=33	Pass
		Edge_1RB_Right	20.26	/	/	20.26	/	/	<=33	Pass
		Outer_Full	19.55	/	/	19.55	/	/	<=33	Pass
		Inner_Full	19.16	/	/	19.16	/	/	<=33	Pass
		Inner_1RB_Left	21.59	/	/	21.59	/	/	<=33	Pass
		Inner_1RB_Right	20.59	/	/	20.59	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	1860	Edge_1RB_Left	20.35	/	/	20.35	/	/	<=33	Pass
		Edge_1RB_Right	20.59	/	/	20.59	/	/	<=33	Pass
		Outer_Full	20.3	/	/	20.3	/	/	<=33	Pass

		Inner_Full	20.42	/	/	20.42	/	/	<=33	Pass
		Inner_1RB_Left	20.32	/	/	20.32	/	/	<=33	Pass
		Inner_1RB_Right	20.49	/	/	20.49	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.31	/	/	20.31	/	/	<=33	Pass
		Edge_1RB_Right	21.14	/	/	21.14	/	/	<=33	Pass
		Outer_Full	19.6	/	/	19.6	/	/	<=33	Pass
		Inner_Full	19.03	/	/	19.03	/	/	<=33	Pass
		Inner_1RB_Left	20.22	/	/	20.22	/	/	<=33	Pass
		Inner_1RB_Right	21.08	/	/	21.08	/	/	<=33	Pass
	1905	Edge_1RB_Left	20.51	/	/	20.51	/	/	<=33	Pass
		Edge_1RB_Right	19.5	/	/	19.5	/	/	<=33	Pass
		Outer_Full	18.8	/	/	18.8	/	/	<=33	Pass
		Inner_Full	17.99	/	/	17.99	/	/	<=33	Pass
		Inner_1RB_Left	20.42	/	/	20.42	/	/	<=33	Pass
		Inner_1RB_Right	19.59	/	/	19.59	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	1860	Edge_1RB_Left	18.61	/	/	18.61	/	/	<=33	Pass
		Edge_1RB_Right	18.8	/	/	18.8	/	/	<=33	Pass
		Outer_Full	18.68	/	/	18.68	/	/	<=33	Pass
		Inner_Full	18.77	/	/	18.77	/	/	<=33	Pass
		Inner_1RB_Left	18.62	/	/	18.62	/	/	<=33	Pass
		Inner_1RB_Right	18.7	/	/	18.7	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	18.65	/	/	18.65	/	/	<=33	Pass
		Edge_1RB_Right	19.75	/	/	19.75	/	/	<=33	Pass
		Outer_Full	18.06	/	/	18.06	/	/	<=33	Pass
		Inner_Full	17.38	/	/	17.38	/	/	<=33	Pass
		Inner_1RB_Left	18.57	/	/	18.57	/	/	<=33	Pass
		Inner_1RB_Right	19.61	/	/	19.61	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.05	/	/	19.05	/	/	<=33	Pass
		Edge_1RB_Right	18.09	/	/	18.09	/	/	<=33	Pass
		Outer_Full	17.42	/	/	17.42	/	/	<=33	Pass
		Inner_Full	16.56	/	/	16.56	/	/	<=33	Pass
		Inner_1RB_Left	18.98	/	/	18.98	/	/	<=33	Pass
		Inner_1RB_Right	18.15	/	/	18.15	/	/	<=33	Pass
CP-OFDM QPSK	1860	Edge_1RB_Left	20.21	/	/	20.21	/	/	<=33	Pass
		Edge_1RB_Right	20.38	/	/	20.38	/	/	<=33	Pass
		Outer_Full	20.41	/	/	20.41	/	/	<=33	Pass
		Inner_Full	20.97	/	/	20.97	/	/	<=33	Pass
		Inner_1RB_Left	20.84	/	/	20.84	/	/	<=33	Pass
		Inner_1RB_Right	20.95	/	/	20.95	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	20.14	/	/	20.14	/	/	<=33	Pass
		Edge_1RB_Right	20.81	/	/	20.81	/	/	<=33	Pass
		Outer_Full	19.68	/	/	19.68	/	/	<=33	Pass
		Inner_Full	19.67	/	/	19.67	/	/	<=33	Pass
		Inner_1RB_Left	20.86	/	/	20.86	/	/	<=33	Pass
		Inner_1RB_Right	21.34	/	/	21.34	/	/	<=33	Pass
	1905	Edge_1RB_Left	20.25	/	/	20.25	/	/	<=33	Pass
		Edge_1RB_Right	19.23	/	/	19.23	/	/	<=33	Pass
		Outer_Full	18.94	/	/	18.94	/	/	<=33	Pass

CP-OFDM 16 QAM		Inner_Full	18.75	/	/	18.75	/	/	<=33	Pass
		Inner_1RB_Left	20.83	/	/	20.83	/	/	<=33	Pass
		Inner_1RB_Right	20.02	/	/	20.02	/	/	<=33	Pass
	1860	Edge_1RB_Left	19.92	/	/	19.92	/	/	<=33	Pass
		Edge_1RB_Right	20.12	/	/	20.12	/	/	<=33	Pass
		Outer_Full	19.87	/	/	19.87	/	/	<=33	Pass
		Inner_Full	20.36	/	/	20.36	/	/	<=33	Pass
		Inner_1RB_Left	20.38	/	/	20.38	/	/	<=33	Pass
		Inner_1RB_Right	20.5	/	/	20.5	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.84	/	/	19.84	/	/	<=33	Pass
		Edge_1RB_Right	20.6	/	/	20.6	/	/	<=33	Pass
		Outer_Full	19.16	/	/	19.16	/	/	<=33	Pass
		Inner_Full	18.94	/	/	18.94	/	/	<=33	Pass
		Inner_1RB_Left	20.22	/	/	20.22	/	/	<=33	Pass
		Inner_1RB_Right	20.88	/	/	20.88	/	/	<=33	Pass
	1905	Edge_1RB_Left	20	/	/	20	/	/	<=33	Pass
		Edge_1RB_Right	18.98	/	/	18.98	/	/	<=33	Pass
		Outer_Full	18.41	/	/	18.41	/	/	<=33	Pass
		Inner_Full	17.99	/	/	17.99	/	/	<=33	Pass
		Inner_1RB_Left	20.3	/	/	20.3	/	/	<=33	Pass
		Inner_1RB_Right	19.45	/	/	19.45	/	/	<=33	Pass
CP-OFDM 64 QAM	1860	Edge_1RB_Left	19.36	/	/	19.36	/	/	<=33	Pass
		Edge_1RB_Right	19.54	/	/	19.54	/	/	<=33	Pass
		Outer_Full	19.18	/	/	19.18	/	/	<=33	Pass
		Inner_Full	20.39	/	/	20.39	/	/	<=33	Pass
		Inner_1RB_Left	20.54	/	/	20.54	/	/	<=33	Pass
		Inner_1RB_Right	20.66	/	/	20.66	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	19.27	/	/	19.27	/	/	<=33	Pass
		Edge_1RB_Right	20.15	/	/	20.15	/	/	<=33	Pass
		Outer_Full	18.56	/	/	18.56	/	/	<=33	Pass
		Inner_Full	18.96	/	/	18.96	/	/	<=33	Pass
		Inner_1RB_Left	20.4	/	/	20.4	/	/	<=33	Pass
		Inner_1RB_Right	21.01	/	/	21.01	/	/	<=33	Pass
	1905	Edge_1RB_Left	19.7	/	/	19.7	/	/	<=33	Pass
		Edge_1RB_Right	18.68	/	/	18.68	/	/	<=33	Pass
		Outer_Full	17.89	/	/	17.89	/	/	<=33	Pass
		Inner_Full	18.02	/	/	18.02	/	/	<=33	Pass
		Inner_1RB_Left	20.41	/	/	20.41	/	/	<=33	Pass
		Inner_1RB_Right	19.62	/	/	19.62	/	/	<=33	Pass
CP-OFDM 256 QAM	1860	Edge_1RB_Left	16.67	/	/	16.67	/	/	<=33	Pass
		Edge_1RB_Right	16.9	/	/	16.9	/	/	<=33	Pass
		Outer_Full	16.67	/	/	16.67	/	/	<=33	Pass
		Inner_Full	16.79	/	/	16.79	/	/	<=33	Pass
		Inner_1RB_Left	16.71	/	/	16.71	/	/	<=33	Pass
		Inner_1RB_Right	16.84	/	/	16.84	/	/	<=33	Pass
	1882.5	Edge_1RB_Left	16.67	/	/	16.67	/	/	<=33	Pass
		Edge_1RB_Right	17.85	/	/	17.85	/	/	<=33	Pass
		Outer_Full	16.02	/	/	16.02	/	/	<=33	Pass

		Inner_Full	15.32	/	/	15.32	/	/	<=33	Pass
		Inner_1RB_Left	16.62	/	/	16.62	/	/	<=33	Pass
		Inner_1RB_Right	17.73	/	/	17.73	/	/	<=33	Pass
	1905	Edge_1RB_Left	16.95	/	/	16.95	/	/	<=33	Pass
		Edge_1RB_Right	16.05	/	/	16.05	/	/	<=33	Pass
		Outer_Full	15.24	/	/	15.24	/	/	<=33	Pass
		Inner_Full	14.42	/	/	14.42	/	/	<=33	Pass
		Inner_1RB_Left	16.94	/	/	16.94	/	/	<=33	Pass
		Inner_1RB_Right	16.14	/	/	16.14	/	/	<=33	Pass
		Note1: Antenna Gain: Ant1: 1.55dBi; Note2: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

5G NR n25 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	1882.5	Outer_Full	20	LV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				HV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	2.70	0.0014	>=-2.5 & <=2.5	Pass
				HV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0024	>=-2.5 & <=2.5	Pass
			20	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	2.80	0.0015	>=-2.5 & <=2.5	Pass
				HV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	3.20	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	4.20	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	2.30	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	2.90	0.0015	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-0.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.20	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-0.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.40	0.0023	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full		NV	-4.50	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	LV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.60	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	40	NV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.20	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	LV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-0.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	0.60	0.0003	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	30	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.20	0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
	1882.5	Outer_Full	10	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	0.80	0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass

5G NR n25 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	1882.5	Outer_Full	20	LV	3.30	0.0018	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	4.30	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			10	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	2.30	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	2.10	0.0011	>=-2.5 & <=2.5	Pass
				HV	1.00	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	0.40	0.0002	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	2.10	0.0011	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-1.20	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	1.40	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	1.00	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	2.40	0.0013	>=-2.5 & <=2.5	Pass
				HV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			40	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	1.40	0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	20	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
				LV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass

			-30	HV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.20	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.60	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.40	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-0.50	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	40	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
				NV	-0.30	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-0.40	-0.0002	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.60	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.60	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-0.40	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-0.80	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-0.60	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.00	0.0005	≥ -2.5 & ≤ 2.5	Pass

2.1.3 15k_SISO_15MHz

5G NR n25 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	1882.5	Outer_Full	20	LV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.80	0.0025	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.20	0.0012	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	40	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	LV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.60	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.60	0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass

			30	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.80	0.0004	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.60	0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	2.20	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.60	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.60	0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-0.50	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.40	0.0023	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-0.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.60	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.80	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.50	0.0003	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-2.40	-0.0013	≥ -2.5 & ≤ 2.5	Pass

				HV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-0.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.60	0.0003	≥ -2.5 & ≤ 2.5	Pass

2.1.4 15k_SISO_20MHz

5G NR n25 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	1882.5	Outer_Full	20	LV	4.40	0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.40	0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-0.50	-0.0003	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	3.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.90	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.80	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.20	0.0012	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	NV	3.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
				NV	2.20	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.60	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.60	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass

			30	NV	4.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	-0.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	0.30	0.0002	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-0.50	-0.0003	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.80	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-0.80	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	0.60	0.0003	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-0.80	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-0.30	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.00	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.20	0.0001	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.20	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.80	0.0004	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.00	0.0005	≥ -2.5 & ≤ 2.5	Pass

2.1.5 30k_SISO_10MHz

5G NR n25 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	1882.5	Outer_Full	20	LV	4.80	0.0025	≥ -2.5 & ≤ 2.5	Pass
				HV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.60	0.0030	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.50	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.10	0.0027	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	6.90	0.0037	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.70	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.50	0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.30	0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.50	0.0029	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.40	0.0023	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.30	0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	-20	NV	2.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.00	0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.00	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.70	0.0025	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.20	0.0022	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.80	0.0041	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	6.10	0.0032	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.50	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	10	NV	0.80	0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.80	0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.00	0.0027	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.60	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.20	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.60	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.00	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	40	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	-10	NV	-3.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM 64 QAM	1882.5	Outer_Full	30	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			20	LV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	5.30	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	5.20	0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	3.20	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	1.60	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-1.20	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	40	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	4.90	0.0026	>=-2.5 & <=2.5	Pass
			20	LV	4.20	0.0022	>=-2.5 & <=2.5	Pass
				HV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass

2.1.6 30k_SISO_15MHz

5G NR n25 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	1882.5	Outer_Full	20	LV	1.90	0.0010	>=-2.5 & <=2.5	Pass
				HV	7.70	0.0041	>=-2.5 & <=2.5	Pass
			-30	NV	5.40	0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	4.90	0.0026	>=-2.5 & <=2.5	Pass
			0	NV	6.30	0.0033	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	4.60	0.0024	>=-2.5 & <=2.5	Pass
			30	NV	4.60	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.40	0.0007	>=-2.5 & <=2.5	Pass
				HV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	5.50	0.0029	>=-2.5 & <=2.5	Pass
			10	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	4.80	0.0025	>=-2.5 & <=2.5	Pass
			30	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	6.50	0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	5.00	0.0027	>=-2.5 & <=2.5	Pass
				HV	4.60	0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	4.80	0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	4.50	0.0024	>=-2.5 & <=2.5	Pass

			-10	NV	6.50	0.0035	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.80	0.0036	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.10	0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.00	0.0027	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.20	0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-2.20	-0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.60	0.0030	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.80	0.0025	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.90	0.0037	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
			20	LV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	-20	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.40	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.70	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.50	0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	10	NV	2.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.40	0.0034	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.40	0.0023	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.60	0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	3.80	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.00	0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.60	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	40	NV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.50	0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	-10	NV	-3.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass

			30	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			50	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass

2.1.7 30k_SISO_20MHz

5G NR n25 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	1882.5	Outer_Full	20	LV	1.90	0.0010	>=-2.5 & <=2.5	Pass
				HV	3.20	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	5.40	0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	5.60	0.0030	>=-2.5 & <=2.5	Pass
			0	NV	5.10	0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	6.60	0.0035	>=-2.5 & <=2.5	Pass
			30	NV	1.50	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			50	NV	6.40	0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	5.80	0.0031	>=-2.5 & <=2.5	Pass
				HV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
			20	NV	5.40	0.0029	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	5.80	0.0031	>=-2.5 & <=2.5	Pass
			50	NV	5.40	0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	5.40	0.0029	>=-2.5 & <=2.5	Pass
				HV	6.10	0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	4.60	0.0024	>=-2.5 & <=2.5	Pass
			0	NV	4.90	0.0026	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
			20	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	4.80	0.0025	>=-2.5 & <=2.5	Pass
			50	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	4.40	0.0023	>=-2.5 & <=2.5	Pass
				HV	7.30	0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	4.50	0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	7.50	0.0040	>=-2.5 & <=2.5	Pass
			0	NV	4.70	0.0025	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	5.60	0.0030	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	2.30	0.0012	>=-2.5 & <=2.5	Pass
				HV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass

			-10	NV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.30	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.80	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.40	0.0023	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	2.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.50	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.30	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.40	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.70	-0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	-20	NV	2.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.40	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-4.60	-0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	2.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	0.50	0.0003	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.30	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.30	-0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	10	NV	3.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.40	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 15k_SISO_20MHz_NTNV

5G NR n25 SCS=15kHz SISO 20MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM QPSK	1882.5	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	1882.5	Outer_Full	Refer To Test Graph			Pass

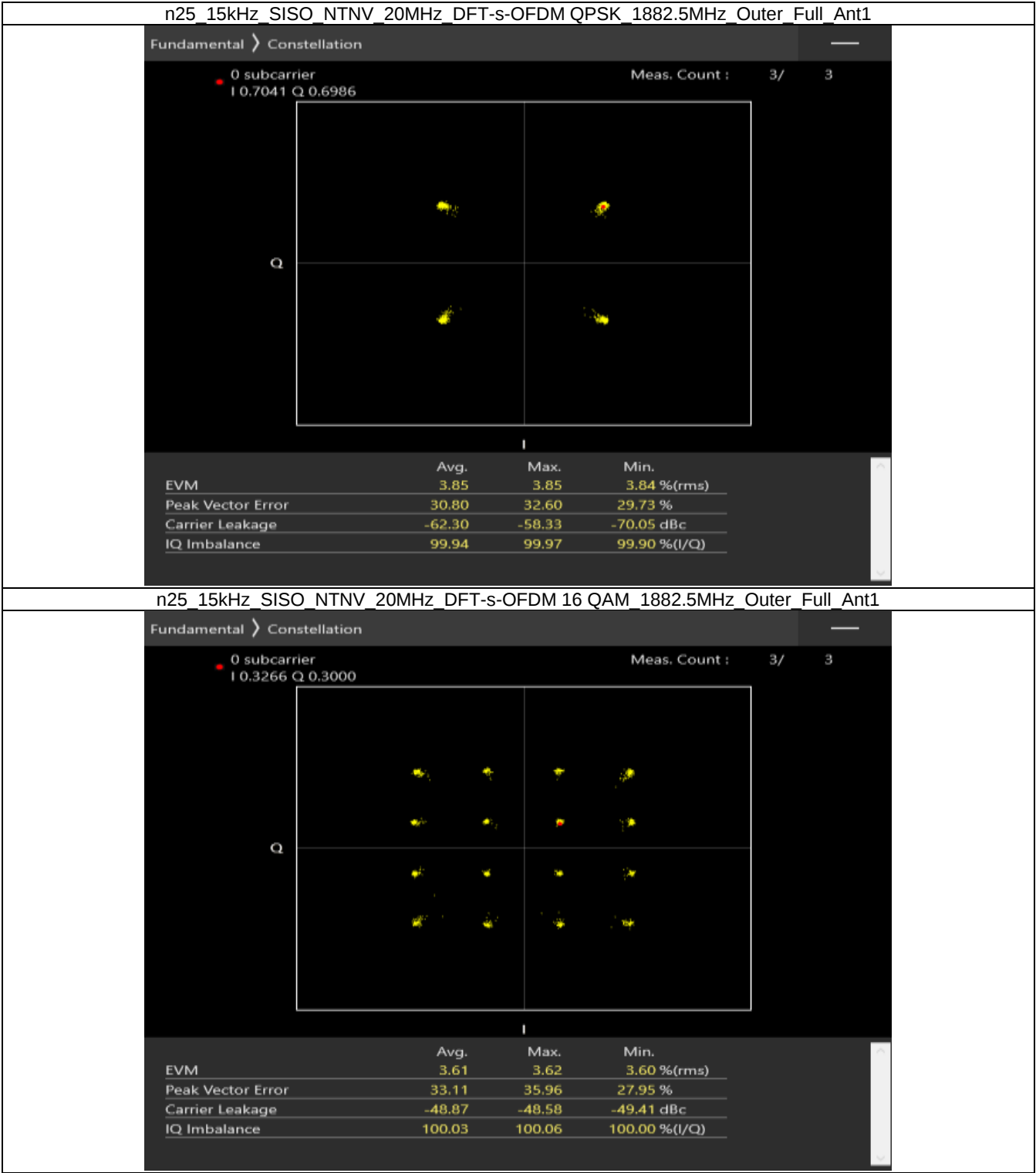
CP-OFDM 16 QAM	1882.5	Outer_Full	Refer To Test Graph	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	Refer To Test Graph	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	Refer To Test Graph	Pass

3.1.2 30k_SISO_20MHz_NTNV

5G NR n25 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1882.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	1882.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	Refer To Test Graph				Pass

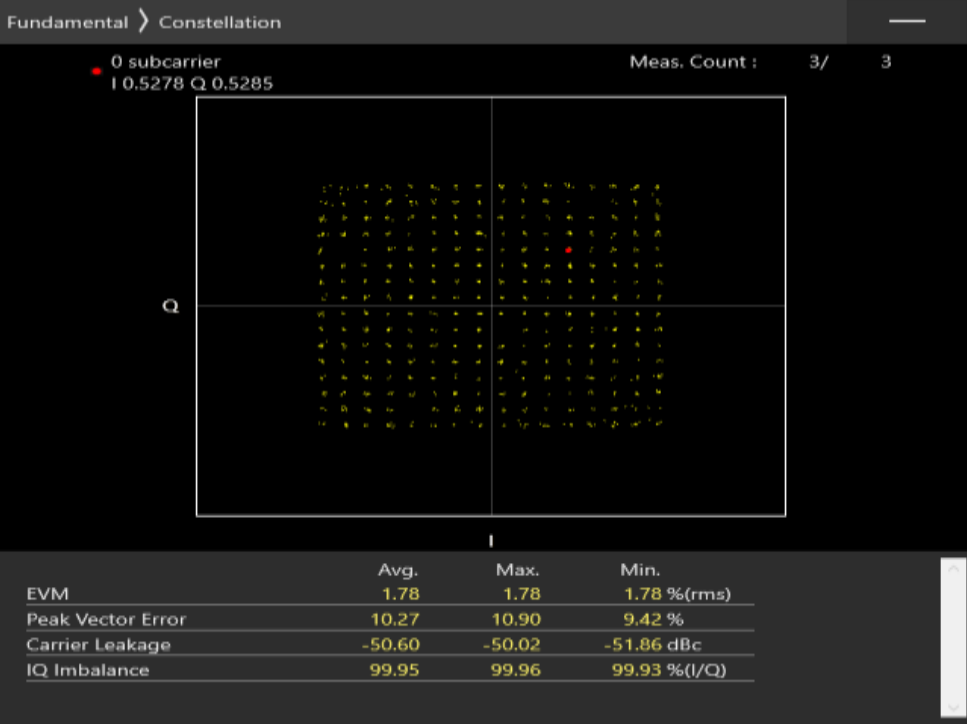
3.2 Test Graph

3.2.1 15k_SISO_20MHz_NTNV



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_1882.5MHz_Outer_Full_Ant1

n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1



n25 15kHz SISO NTN 20MHz CP-OFDM QPSK 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.7047 Q 0.7146

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	5.87	5.89	5.86 %(rms)
Peak Vector Error	19.07	19.66	18.59 %
Carrier Leakage	-51.17	-50.02	-52.78 dBc
IQ Imbalance	99.99	100.08	99.93 %(I/Q)

n25 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.3157 Q 0.3480

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	5.01	5.03	4.98 %(rms)
Peak Vector Error	17.64	18.16	17.10 %
Carrier Leakage	-54.84	-52.46	-57.03 dBc
IQ Imbalance	100.08	100.11	100.04 %(I/Q)

n25 15kHz SISO NTNV 20MHz CP-OFDM 64 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.5154 Q 0.4581

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	3.99	4.02	3.95 %(rms)
Peak Vector Error	15.05	17.18	12.99 %
Carrier Leakage	-46.60	-45.40	-47.75 dBc
IQ Imbalance	100.05	100.07	100.04 %(I/Q)

n25 15kHz SISO NTNV 20MHz CP-OFDM 256 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

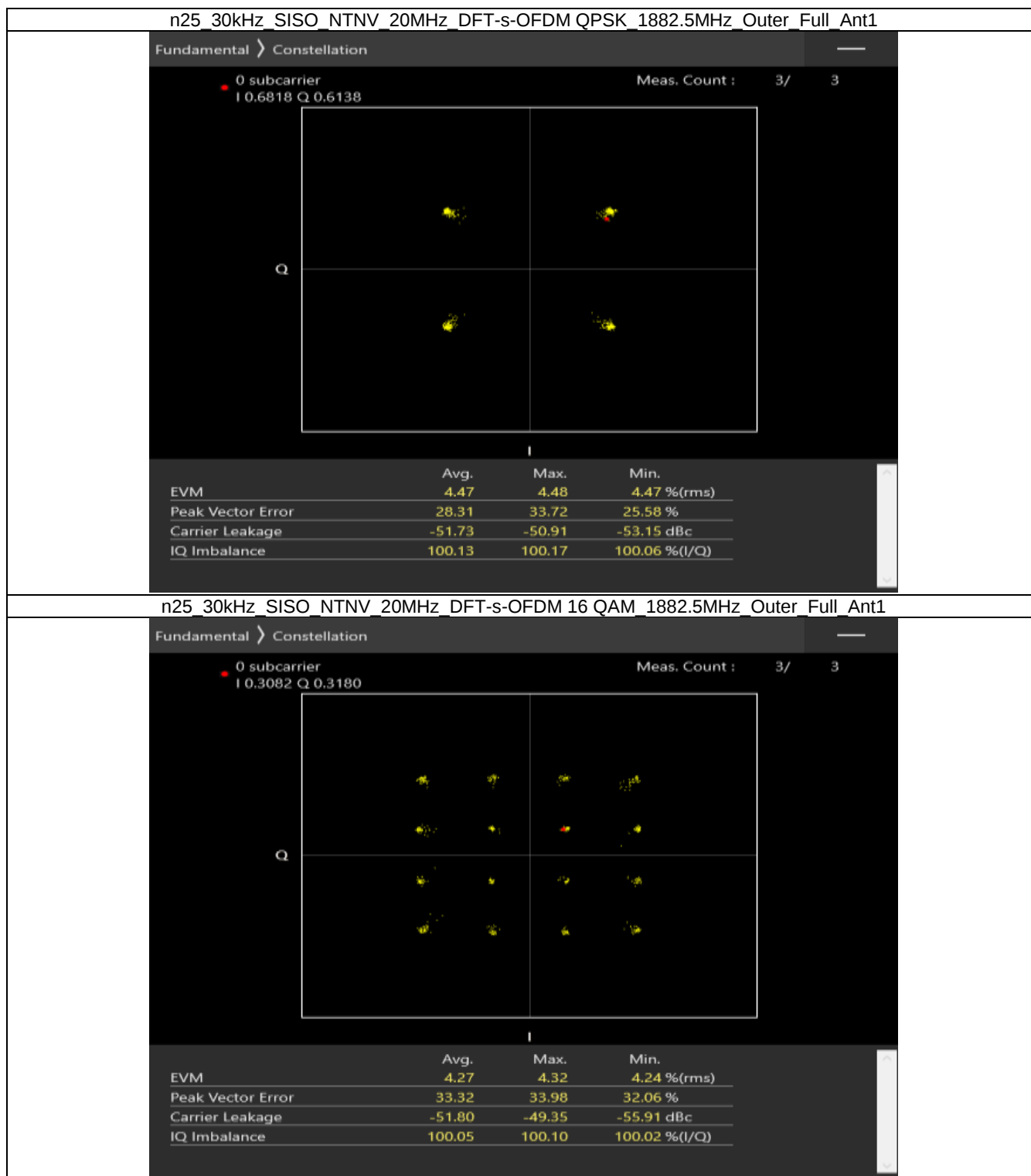
0 subcarrier
I 0.5219 Q 0.2389

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	1.75	1.77	1.74 %(rms)
Peak Vector Error	6.78	7.46	6.14 %
Carrier Leakage	-45.60	-45.35	-45.99 dBc
IQ Imbalance	100.05	100.07	100.02 %(I/Q)

3.2.2 30k_SISO_20MHz_NTNV



n25 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4776 Q 0.4709

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	3.47	3.51	3.44 %(rms)
Peak Vector Error	20.27	20.68	19.66 %
Carrier Leakage	-48.86	-48.63	-49.34 dBc
IQ Imbalance	100.12	100.14	100.08 %(I/Q)

n25 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.5314 Q 0.5413

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.10	2.12	2.08 %(rms)
Peak Vector Error	10.38	10.51	10.11 %
Carrier Leakage	-44.81	-44.67	-44.94 dBc
IQ Imbalance	100.00	100.03	99.99 %(I/Q)

n25 30kHz SISO NTN 20MHz CP-OFDM QPSK 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.6818 Q 0.7372

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	6.29	6.34	6.23 %(rms)
Peak Vector Error	21.56	22.41	20.66 %
Carrier Leakage	-49.67	-48.28	-50.71 dBc
IQ Imbalance	99.89	99.92	99.88 %(I/Q)

n25 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.2857 Q 0.2954

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	4.53	4.78	4.39 %(rms)
Peak Vector Error	16.78	17.12	16.17 %
Carrier Leakage	-56.34	-56.20	-56.59 dBc
IQ Imbalance	99.99	100.06	99.95 %(I/Q)

n25 30kHz SISO NTV 20MHz CP-OFDM 64 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.1703 Q 0.4732

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	3.49	3.63	3.41 %(rms)
Peak Vector Error	13.40	15.15	12.32 %
Carrier Leakage	-55.33	-54.14	-57.29 dBc
IQ Imbalance	100.09	100.13	100.05 %(I/Q)

n25 30kHz SISO NTV 20MHz CP-OFDM 256 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.5397 Q 0.5282

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	1.66	1.68	1.65 %(rms)
Peak Vector Error	5.14	5.21	5.01 %
Carrier Leakage	-43.22	-42.96	-43.41 dBc
IQ Imbalance	99.99	100.01	99.97 %(I/Q)

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

5G NR n25 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1852.5	Outer_Full	4.57	5.05	/	Pass
	1882.5	Outer_Full	4.57	5.06	/	Pass
	1912.5	Outer_Full	4.60	5.08	/	Pass
DFT-s-OFDM 16 QAM	1852.5	Outer_Full	4.56	5.06	/	Pass
	1882.5	Outer_Full	4.57	5.06	/	Pass
	1912.5	Outer_Full	4.56	5.06	/	Pass
DFT-s-OFDM 64 QAM	1852.5	Outer_Full	4.57	5.00	/	Pass
	1882.5	Outer_Full	4.57	5.06	/	Pass
	1912.5	Outer_Full	4.61	5.06	/	Pass
DFT-s-OFDM 256 QAM	1852.5	Outer_Full	4.54	5.03	/	Pass
	1882.5	Outer_Full	4.55	5.04	/	Pass
	1912.5	Outer_Full	4.56	5.07	/	Pass
CP-OFDM QPSK	1852.5	Outer_Full	4.58	5.07	/	Pass
	1882.5	Outer_Full	4.57	5.04	/	Pass
	1912.5	Outer_Full	4.57	5.14	/	Pass
CP-OFDM 16 QAM	1852.5	Outer_Full	4.56	5.04	/	Pass
	1882.5	Outer_Full	4.57	5.07	/	Pass
	1912.5	Outer_Full	4.55	5.03	/	Pass
CP-OFDM 64 QAM	1852.5	Outer_Full	4.56	5.07	/	Pass
	1882.5	Outer_Full	4.54	5.06	/	Pass
	1912.5	Outer_Full	4.56	5.53	/	Pass
CP-OFDM 256 QAM	1852.5	Outer_Full	4.55	5.04	/	Pass
	1882.5	Outer_Full	4.53	5.06	/	Pass
	1912.5	Outer_Full	4.53	5.04	/	Pass

4.1.2 15k_SISO_10MHz_NTNV

5G NR n25 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1855	Outer_Full	9.08	9.93	/	Pass
	1882.5	Outer_Full	9.09	9.93	/	Pass
	1910	Outer_Full	9.08	9.91	/	Pass
DFT-s-OFDM 16 QAM	1855	Outer_Full	9.07	10.00	/	Pass
	1882.5	Outer_Full	9.10	10.01	/	Pass
	1910	Outer_Full	9.05	9.96	/	Pass
DFT-s-OFDM 64 QAM	1855	Outer_Full	9.08	9.90	/	Pass
	1882.5	Outer_Full	9.09	9.94	/	Pass
	1910	Outer_Full	9.08	9.92	/	Pass
DFT-s-OFDM 256 QAM	1855	Outer_Full	9.06	9.99	/	Pass
	1882.5	Outer_Full	9.05	9.85	/	Pass
	1910	Outer_Full	9.05	9.97	/	Pass
CP-OFDM QPSK	1855	Outer_Full	9.41	11.98	/	Pass
	1882.5	Outer_Full	9.42	11.89	/	Pass

	1910	Outer_Full	9.40	10.28	/	Pass
CP-OFDM 16 QAM	1855	Outer_Full	9.42	10.99	/	Pass
	1882.5	Outer_Full	9.42	11.09	/	Pass
	1910	Outer_Full	9.39	10.88	/	Pass
CP-OFDM 64 QAM	1855	Outer_Full	9.42	10.11	/	Pass
	1882.5	Outer_Full	9.43	10.14	/	Pass
	1910	Outer_Full	9.41	10.15	/	Pass
CP-OFDM 256 QAM	1855	Outer_Full	9.40	10.07	/	Pass
	1882.5	Outer_Full	9.42	10.19	/	Pass
	1910	Outer_Full	9.38	10.16	/	Pass

4.1.3 15k_SISO_15MHz_NTNV

5G NR n25 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1857.5	Outer_Full	13.61	14.86	/	Pass
	1882.5	Outer_Full	13.65	14.84	/	Pass
	1907.5	Outer_Full	13.65	14.84	/	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer_Full	13.59	14.84	/	Pass
	1882.5	Outer_Full	13.66	14.85	/	Pass
	1907.5	Outer_Full	13.64	14.86	/	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer_Full	13.61	14.86	/	Pass
	1882.5	Outer_Full	13.67	14.97	/	Pass
	1907.5	Outer_Full	13.66	14.87	/	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer_Full	13.65	14.92	/	Pass
	1882.5	Outer_Full	13.70	14.95	/	Pass
	1907.5	Outer_Full	13.67	14.96	/	Pass
CP-OFDM QPSK	1857.5	Outer_Full	14.27	16.07	/	Pass
	1882.5	Outer_Full	14.33	16.93	/	Pass
	1907.5	Outer_Full	14.29	15.37	/	Pass
CP-OFDM 16 QAM	1857.5	Outer_Full	14.31	15.37	/	Pass
	1882.5	Outer_Full	14.38	16.51	/	Pass
	1907.5	Outer_Full	14.34	15.40	/	Pass
CP-OFDM 64 QAM	1857.5	Outer_Full	14.31	15.45	/	Pass
	1882.5	Outer_Full	14.36	15.40	/	Pass
	1907.5	Outer_Full	14.33	15.44	/	Pass
CP-OFDM 256 QAM	1857.5	Outer_Full	14.28	15.44	/	Pass
	1882.5	Outer_Full	14.33	15.45	/	Pass
	1907.5	Outer_Full	14.31	15.38	/	Pass

4.1.4 15k_SISO_20MHz_NTNV

5G NR n25 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1860	Outer_Full	18.12	19.60	/	Pass
	1882.5	Outer_Full	18.19	19.62	/	Pass
	1905	Outer_Full	18.23	19.61	/	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	18.25	19.29	/	Pass
	1882.5	Outer_Full	18.23	19.60	/	Pass
	1905	Outer_Full	18.23	19.62	/	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	18.29	19.28	/	Pass
	1882.5	Outer_Full	18.22	19.66	/	Pass
	1905	Outer_Full	18.25	19.58	/	Pass

DFT-s-OFDM 256 QAM	1860	Outer_Full	18.05	19.48	/	Pass
	1882.5	Outer_Full	18.17	19.68	/	Pass
	1905	Outer_Full	18.20	19.72	/	Pass
CP-OFDM QPSK	1860	Outer_Full	19.19	23.60	/	Pass
	1882.5	Outer_Full	19.28	23.45	/	Pass
	1905	Outer_Full	19.24	20.48	/	Pass
CP-OFDM 16 QAM	1860	Outer_Full	19.12	20.52	/	Pass
	1882.5	Outer_Full	19.24	21.39	/	Pass
	1905	Outer_Full	19.24	20.56	/	Pass
CP-OFDM 64 QAM	1860	Outer_Full	19.11	20.49	/	Pass
	1882.5	Outer_Full	19.24	20.52	/	Pass
	1905	Outer_Full	19.26	20.52	/	Pass
CP-OFDM 256 QAM	1860	Outer_Full	19.00	19.91	/	Pass
	1882.5	Outer_Full	19.20	20.45	/	Pass
	1905	Outer_Full	19.19	20.55	/	Pass

4.1.5 30k_SISO_10MHz_NTNV

5G NR n25 SCS=30kHz SISO 10MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1855	Outer_Full	8.82	10.03	/	Pass
	1882.5	Outer_Full	8.86	11.26	/	Pass
	1910	Outer_Full	8.82	9.98	/	Pass
DFT-s-OFDM 16 QAM	1855	Outer_Full	8.76	9.99	/	Pass
	1882.5	Outer_Full	8.82	10.03	/	Pass
	1910	Outer_Full	8.81	9.96	/	Pass
DFT-s-OFDM 64 QAM	1855	Outer_Full	8.77	9.95	/	Pass
	1882.5	Outer_Full	8.77	9.94	/	Pass
	1910	Outer_Full	8.76	9.96	/	Pass
DFT-s-OFDM 256 QAM	1855	Outer_Full	8.74	9.96	/	Pass
	1882.5	Outer_Full	8.71	9.96	/	Pass
	1910	Outer_Full	8.71	9.88	/	Pass
CP-OFDM QPSK	1855	Outer_Full	8.86	10.05	/	Pass
	1882.5	Outer_Full	8.89	15.23	/	Pass
	1910	Outer_Full	8.85	10.19	/	Pass
CP-OFDM 16 QAM	1855	Outer_Full	8.79	9.96	/	Pass
	1882.5	Outer_Full	8.80	13.39	/	Pass
	1910	Outer_Full	8.82	10.04	/	Pass
CP-OFDM 64 QAM	1855	Outer_Full	8.78	10.05	/	Pass
	1882.5	Outer_Full	8.86	12.44	/	Pass
	1910	Outer_Full	8.77	10.29	/	Pass
CP-OFDM 256 QAM	1855	Outer_Full	8.79	9.92	/	Pass
	1882.5	Outer_Full	8.80	9.99	/	Pass
	1910	Outer_Full	8.76	9.84	/	Pass

4.1.6 30k_SISO_15MHz_NTNV

5G NR n25 SCS=30kHz SISO 15MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1857.5	Outer_Full	13.18	14.91	/	Pass
	1882.5	Outer_Full	13.25	14.99	/	Pass
	1907.5	Outer_Full	13.19	14.76	/	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer_Full	13.13	14.93	/	Pass

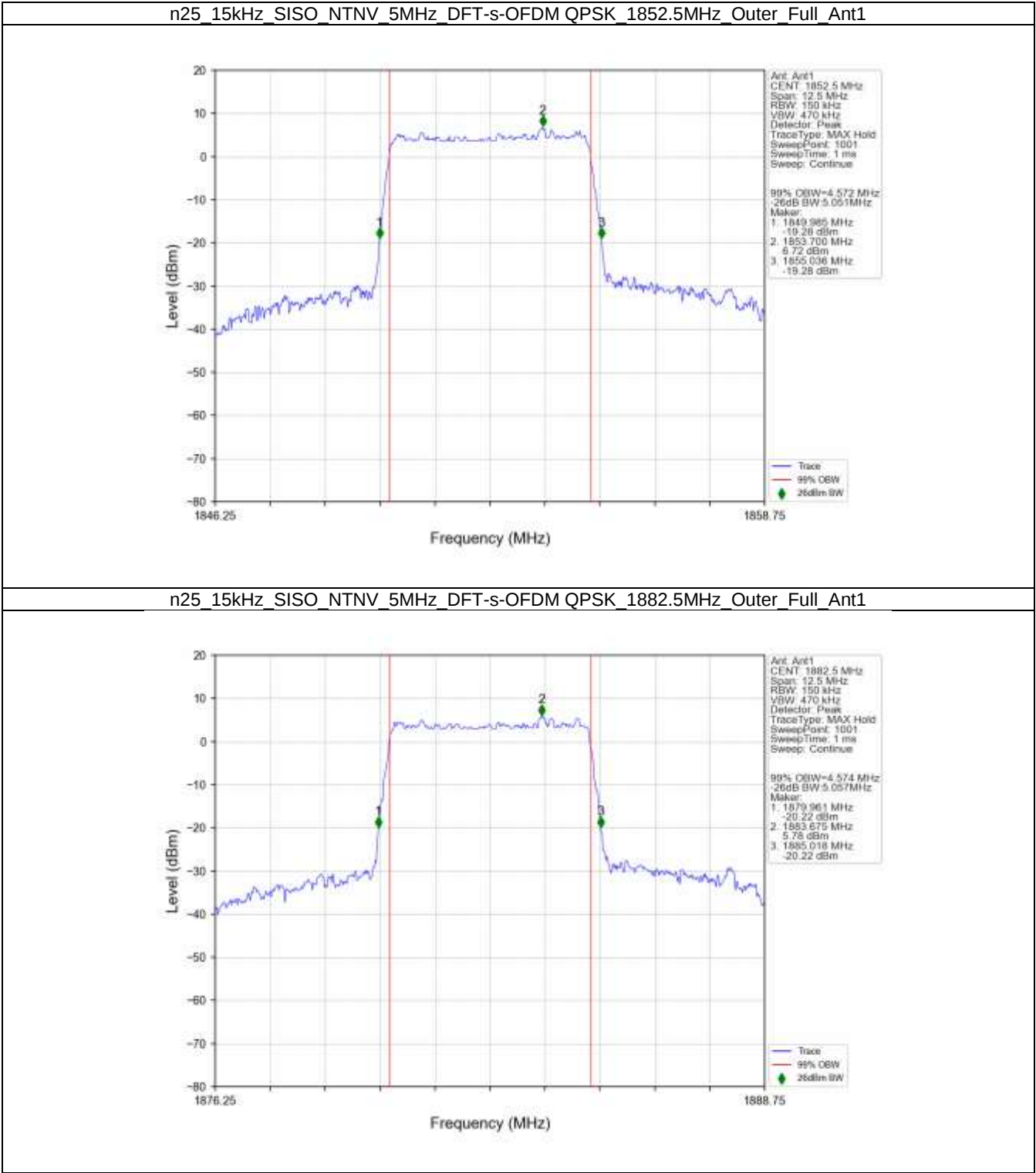
	1882.5	Outer_Full	13.15	14.97	/	Pass
	1907.5	Outer_Full	13.10	14.92	/	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer_Full	13.27	14.94	/	Pass
	1882.5	Outer_Full	13.25	14.95	/	Pass
	1907.5	Outer_Full	13.18	14.87	/	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer_Full	13.11	14.82	/	Pass
	1882.5	Outer_Full	13.09	14.77	/	Pass
	1907.5	Outer_Full	13.06	14.75	/	Pass
CP-OFDM QPSK	1857.5	Outer_Full	13.82	15.51	/	Pass
	1882.5	Outer_Full	13.89	22.72	/	Pass
	1907.5	Outer_Full	13.78	15.26	/	Pass
CP-OFDM 16 QAM	1857.5	Outer_Full	13.86	15.31	/	Pass
	1882.5	Outer_Full	13.89	19.82	/	Pass
	1907.5	Outer_Full	13.80	15.29	/	Pass
CP-OFDM 64 QAM	1857.5	Outer_Full	13.93	15.26	/	Pass
	1882.5	Outer_Full	13.95	18.88	/	Pass
	1907.5	Outer_Full	13.85	15.25	/	Pass
CP-OFDM 256 QAM	1857.5	Outer_Full	13.83	15.20	/	Pass
	1882.5	Outer_Full	13.81	15.17	/	Pass
	1907.5	Outer_Full	13.77	15.25	/	Pass

4.1.7 30k_SISO_20MHz_NTNV

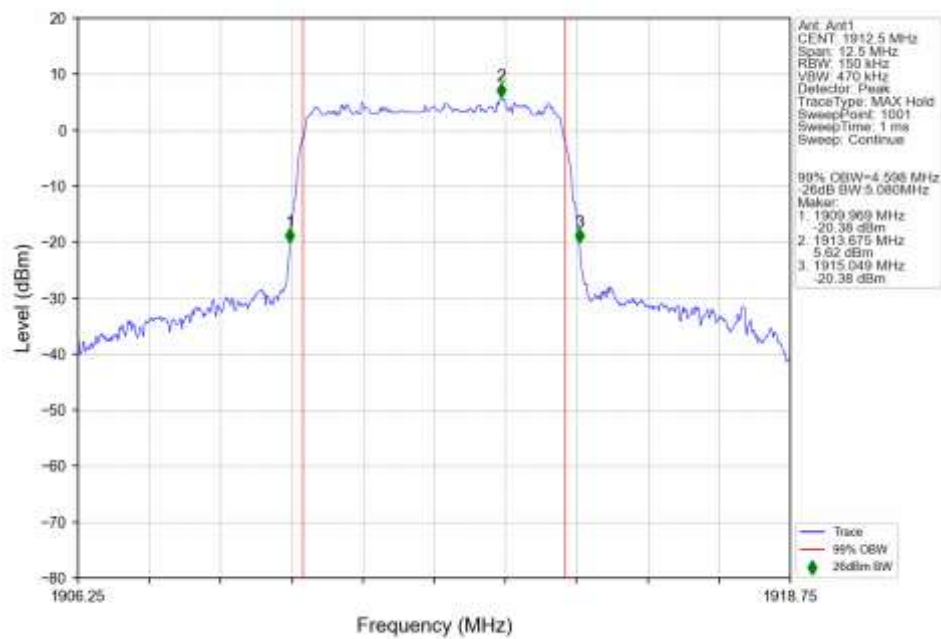
5G NR n25 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1860	Outer_Full	18.18	19.79	/	Pass
	1882.5	Outer_Full	18.23	19.95	/	Pass
	1905	Outer_Full	18.16	19.92	/	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	18.15	19.90	/	Pass
	1882.5	Outer_Full	18.19	19.91	/	Pass
	1905	Outer_Full	18.09	19.94	/	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	18.20	19.95	/	Pass
	1882.5	Outer_Full	18.25	19.96	/	Pass
	1905	Outer_Full	18.16	19.86	/	Pass
DFT-s-OFDM 256 QAM	1860	Outer_Full	18.15	20.10	/	Pass
	1882.5	Outer_Full	18.16	20.02	/	Pass
	1905	Outer_Full	18.06	19.79	/	Pass
CP-OFDM QPSK	1860	Outer_Full	18.50	20.17	/	Pass
	1882.5	Outer_Full	18.67	27.36	/	Pass
	1905	Outer_Full	18.41	20.05	/	Pass
CP-OFDM 16 QAM	1860	Outer_Full	18.56	20.24	/	Pass
	1882.5	Outer_Full	18.67	27.57	/	Pass
	1905	Outer_Full	18.51	20.18	/	Pass
CP-OFDM 64 QAM	1860	Outer_Full	18.55	20.26	/	Pass
	1882.5	Outer_Full	18.60	23.98	/	Pass
	1905	Outer_Full	18.47	20.20	/	Pass
CP-OFDM 256 QAM	1860	Outer_Full	18.50	20.18	/	Pass
	1882.5	Outer_Full	18.46	20.12	/	Pass
	1905	Outer_Full	18.43	20.16	/	Pass

4.2 Test Graph

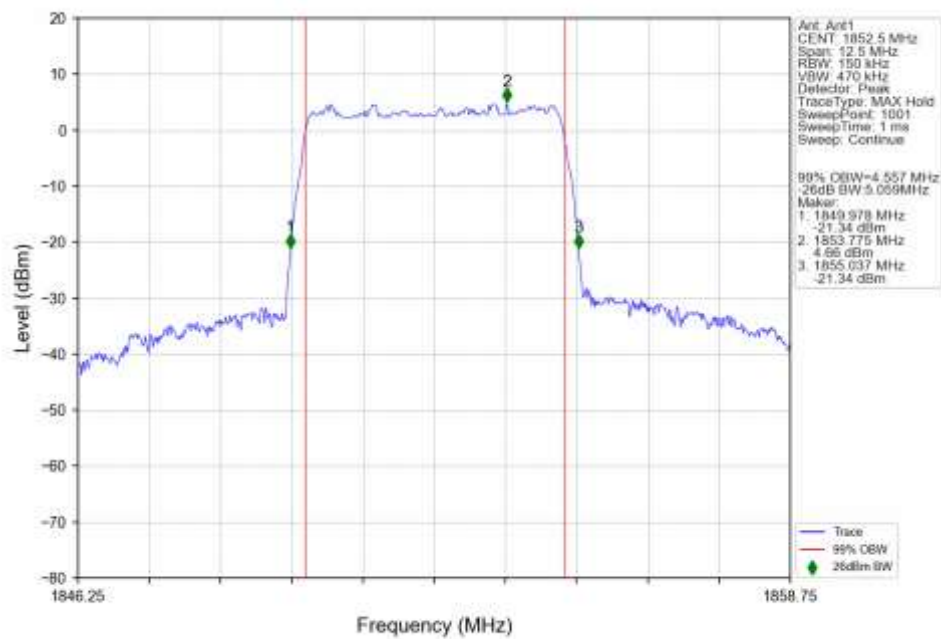
4.2.1 15k_SISO_5MHz_NTNV



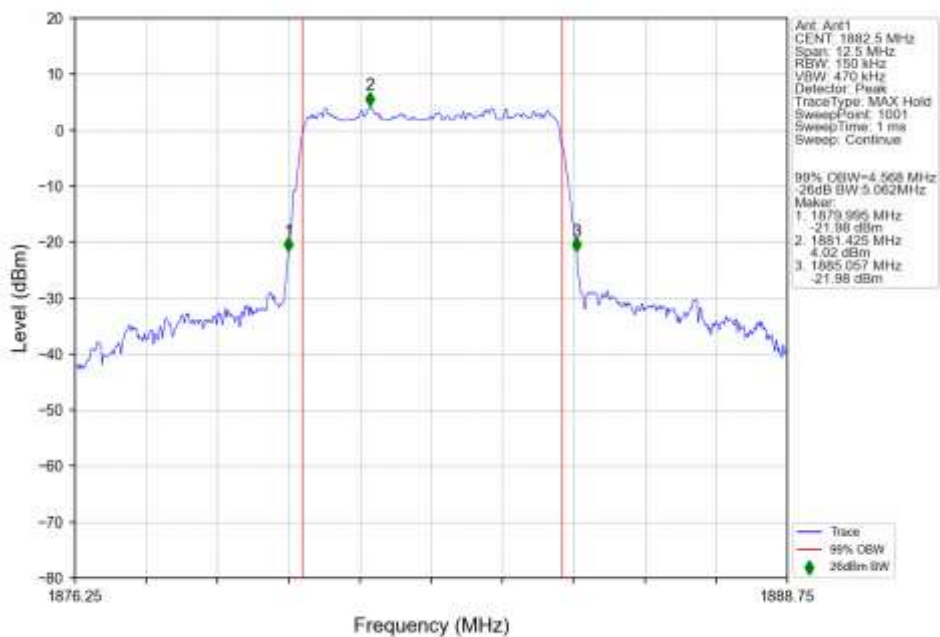
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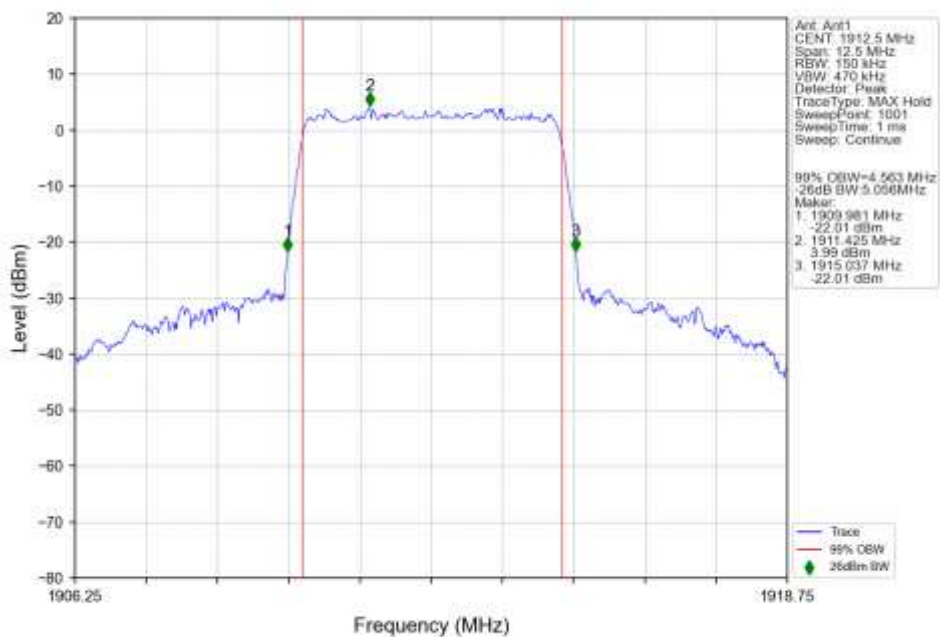
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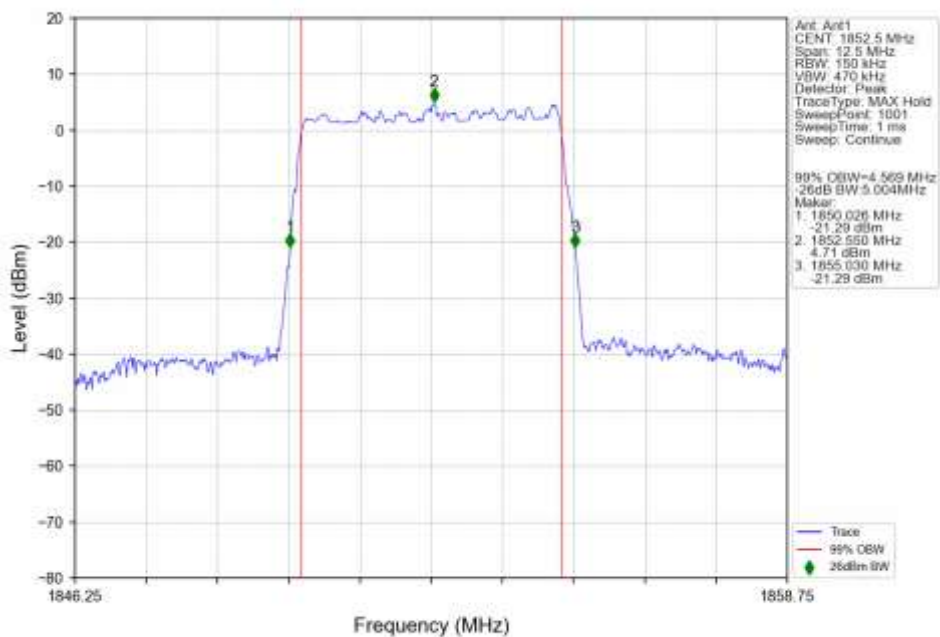
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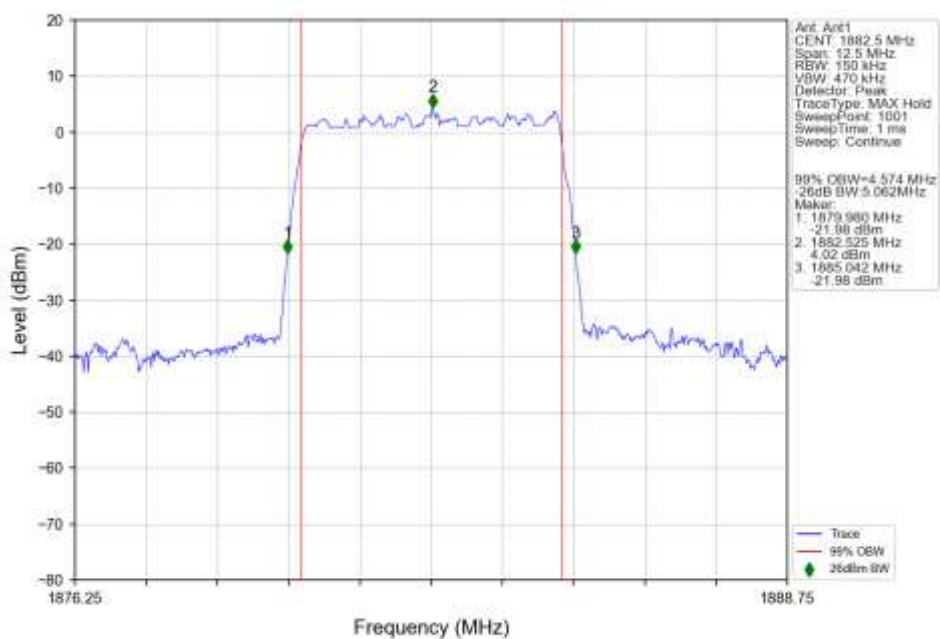
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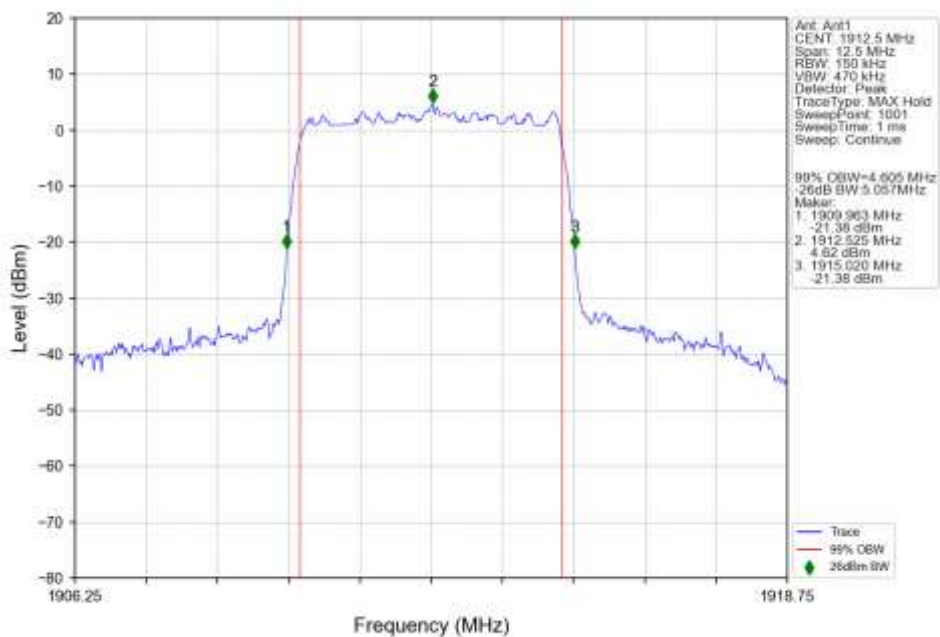
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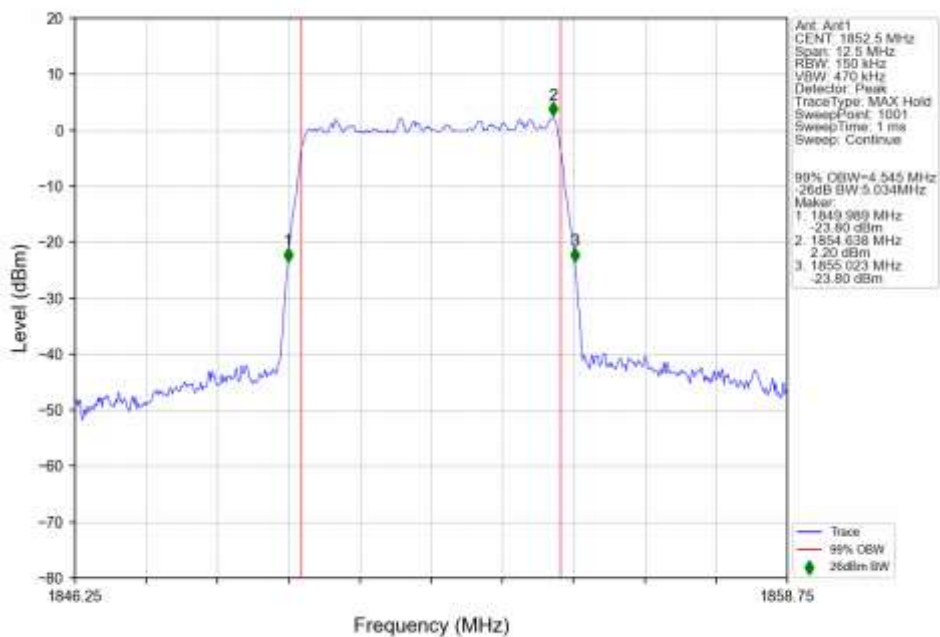
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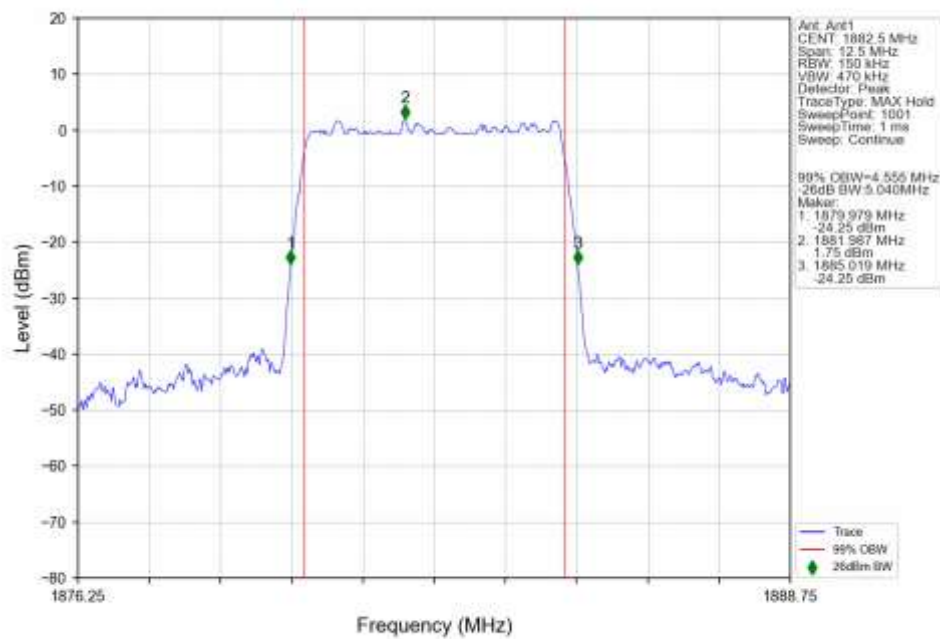
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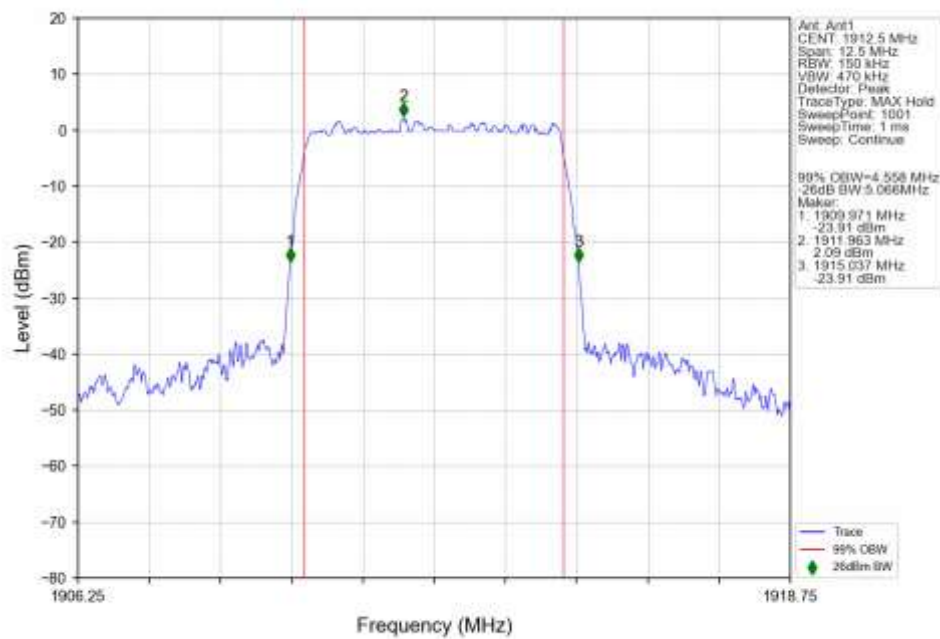
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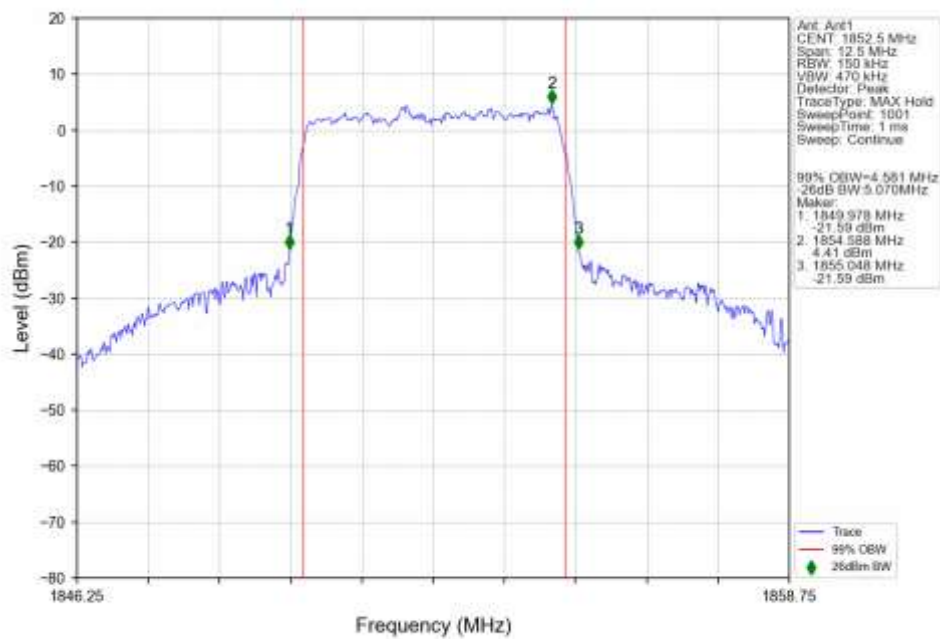
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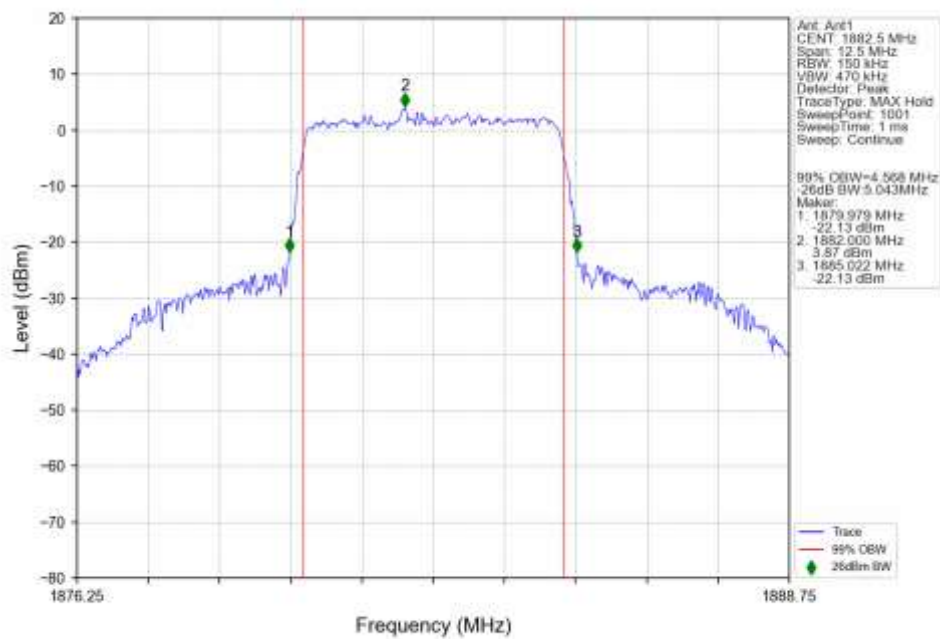
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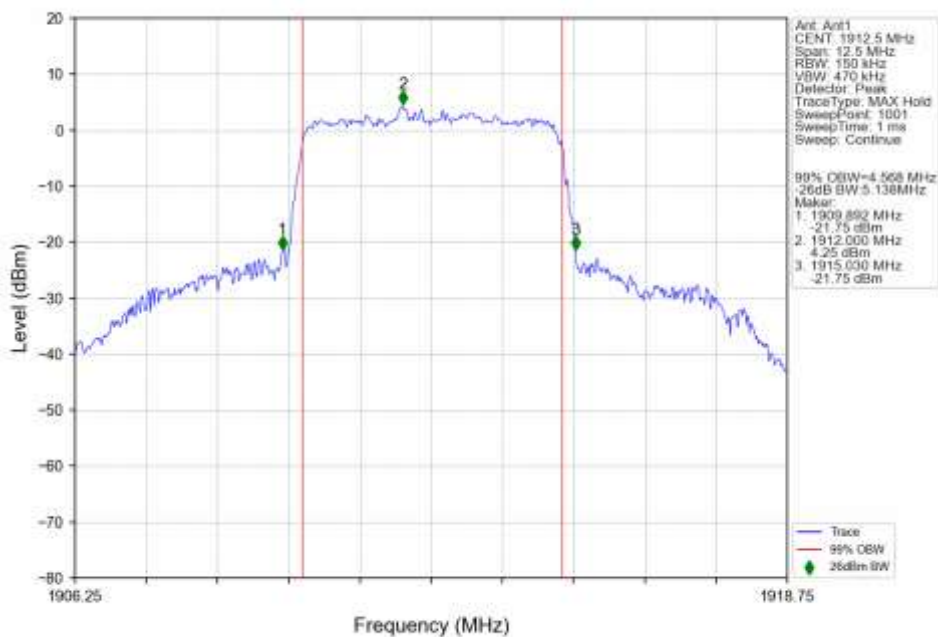
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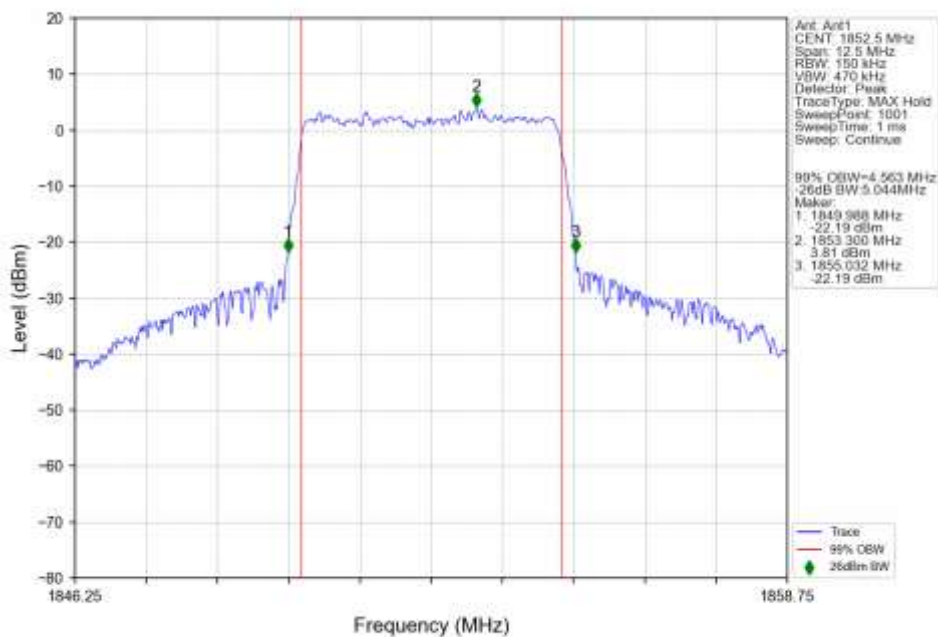
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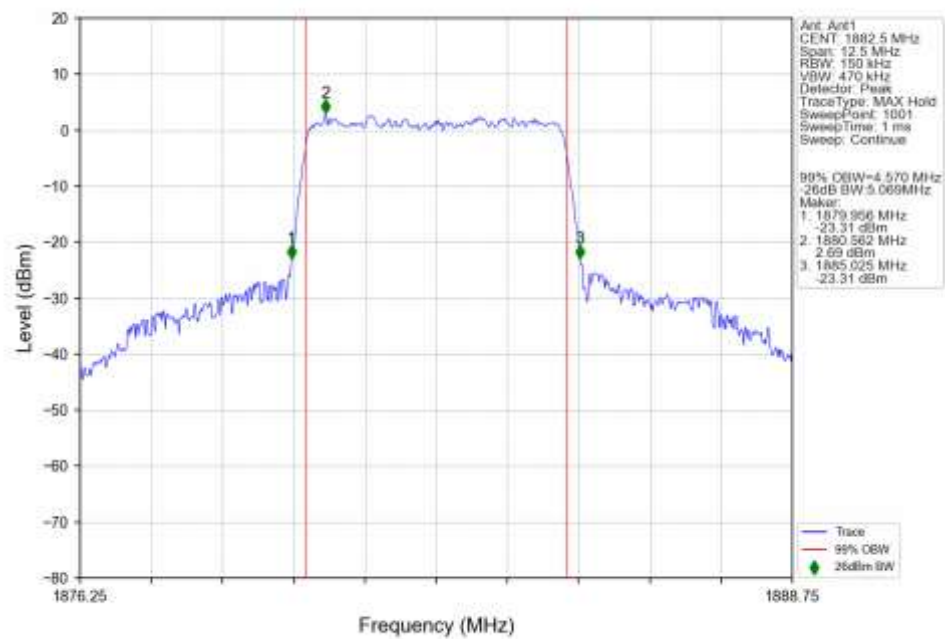
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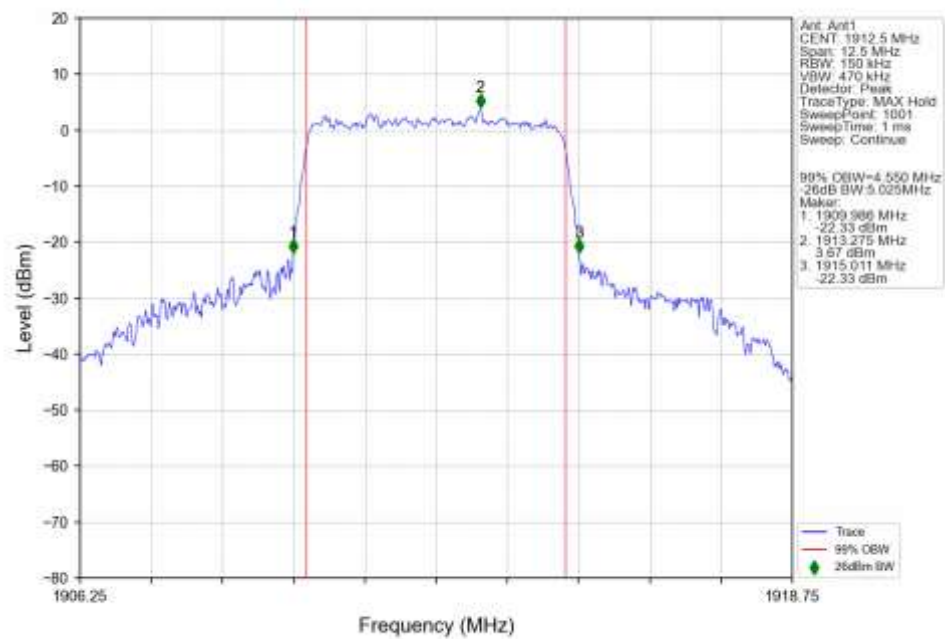
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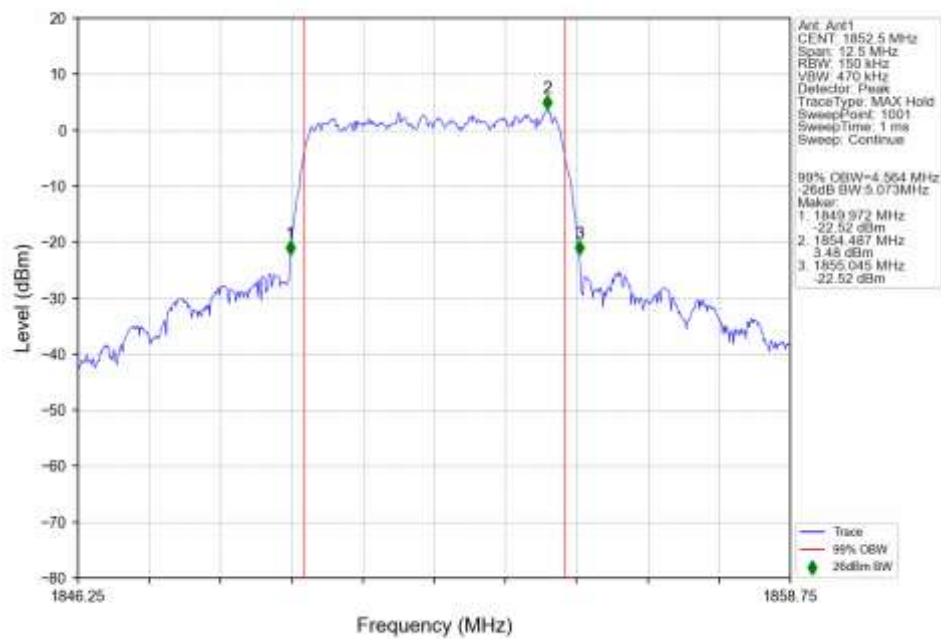
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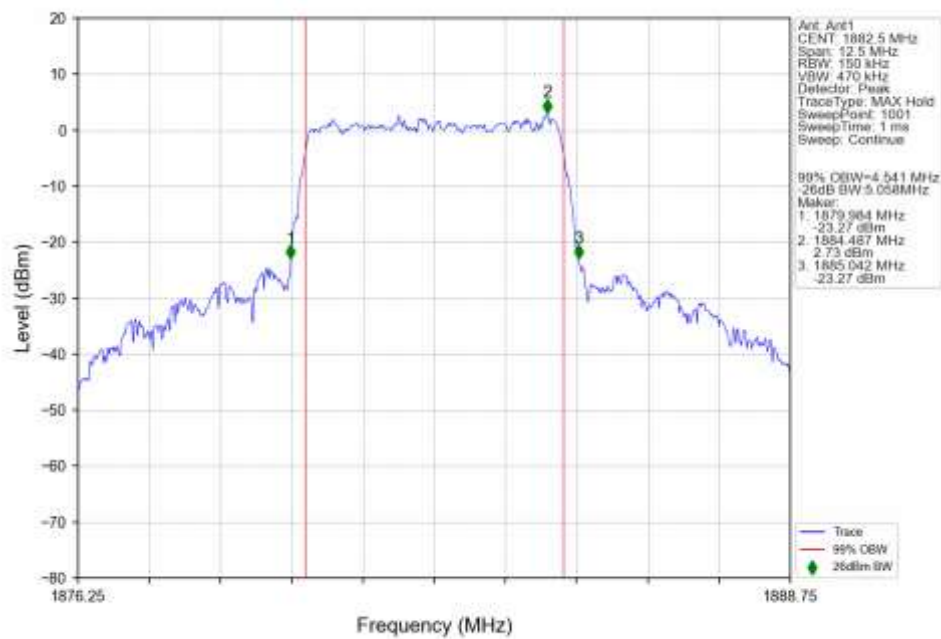
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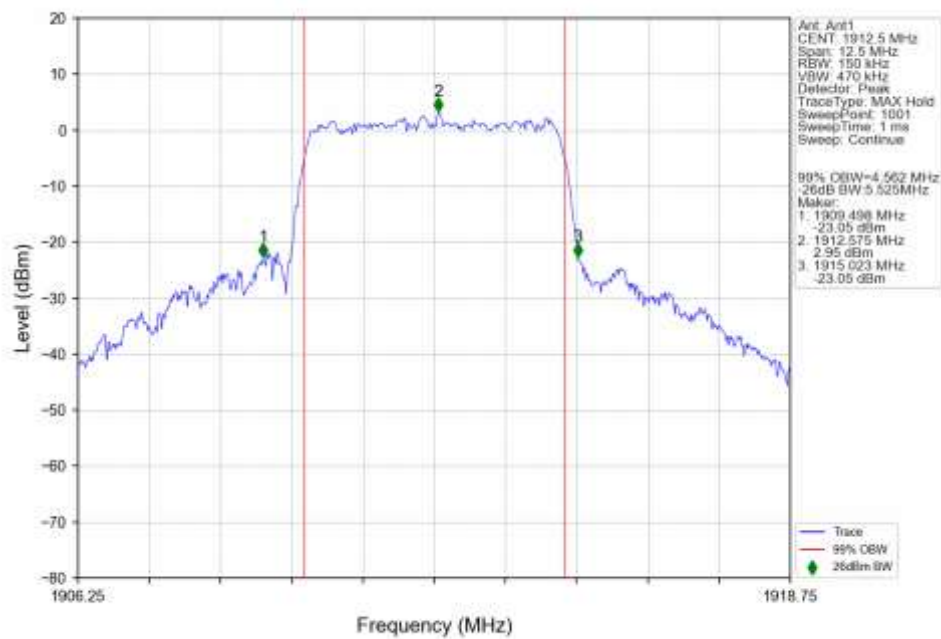
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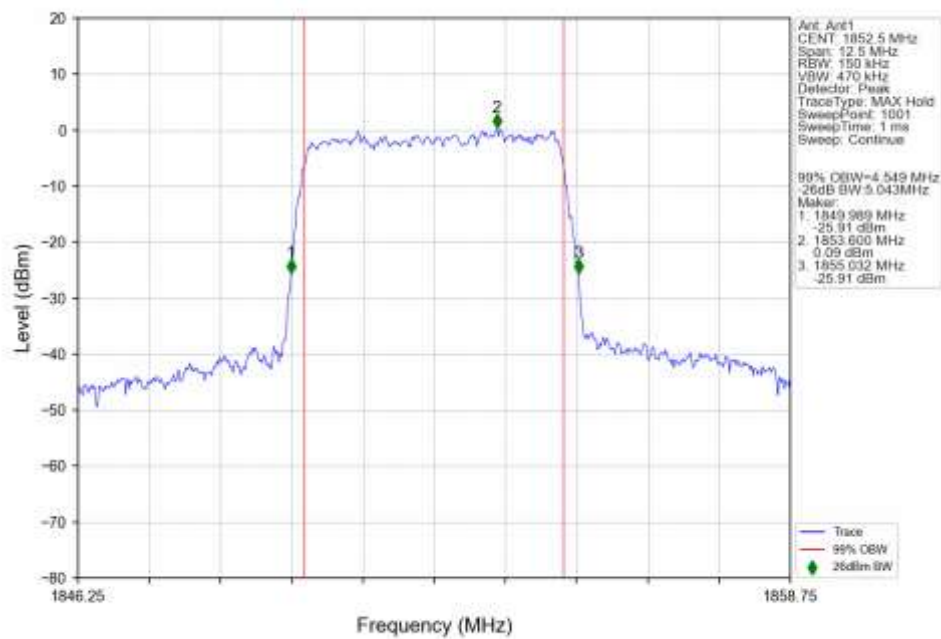
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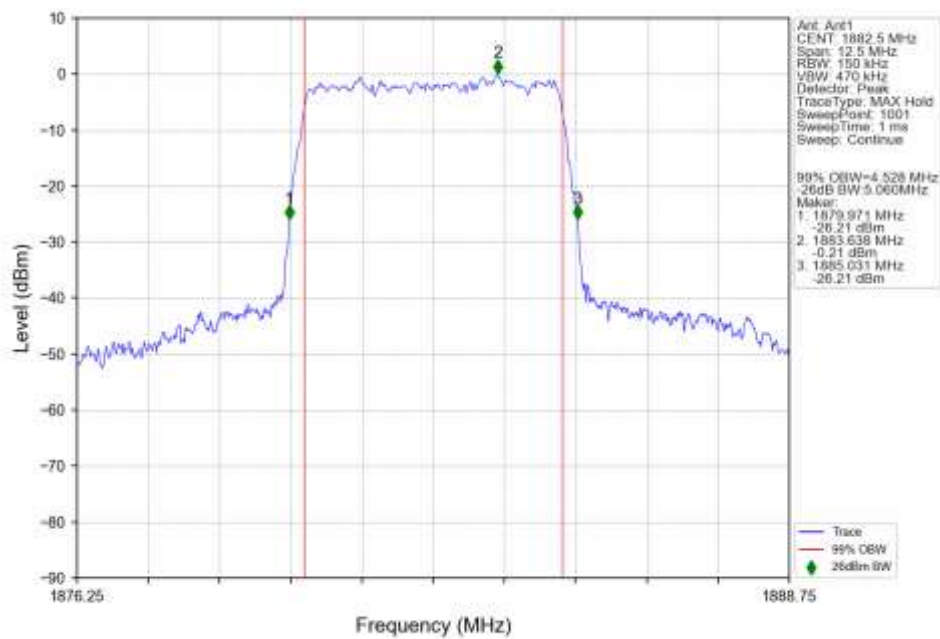
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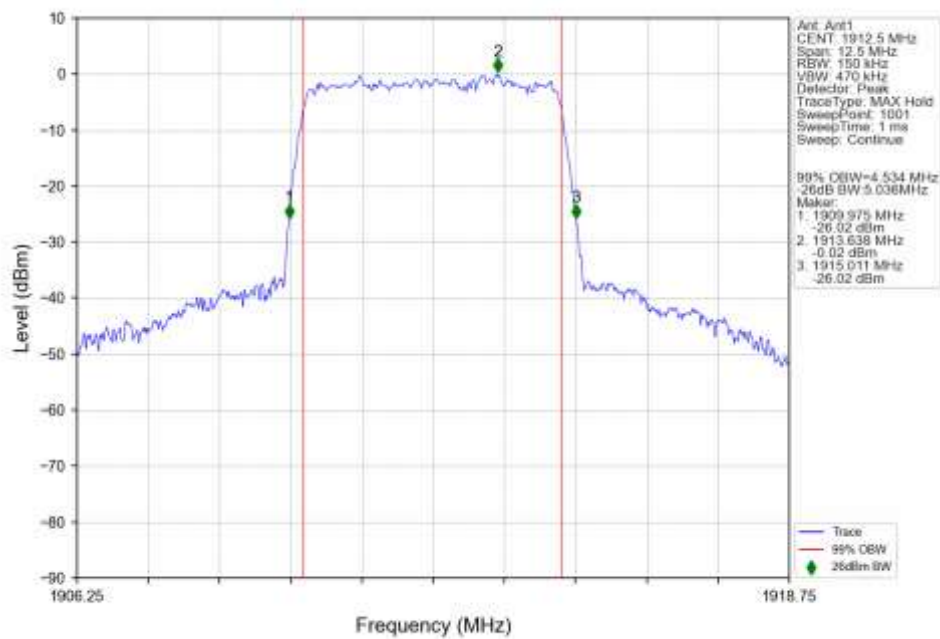
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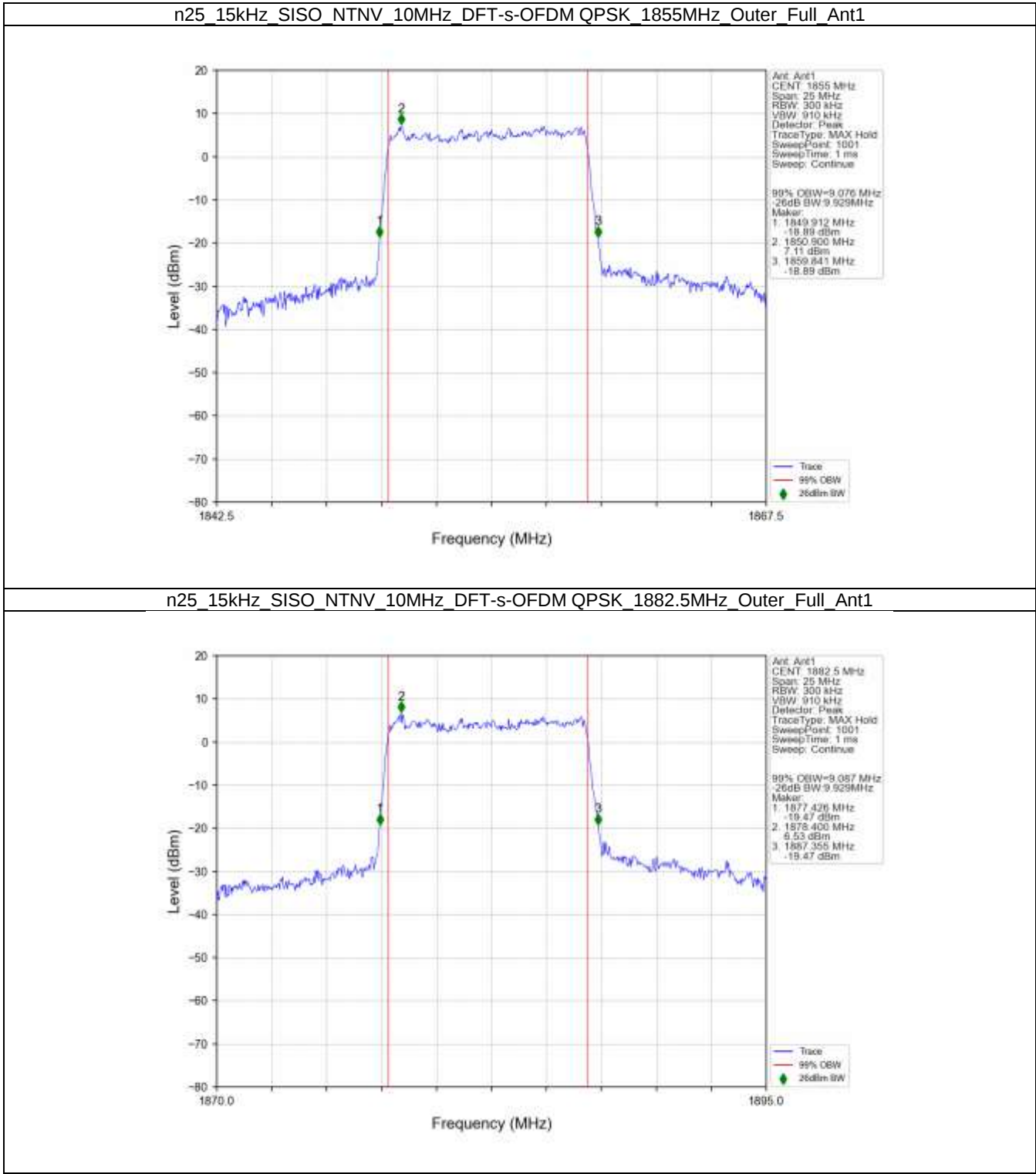
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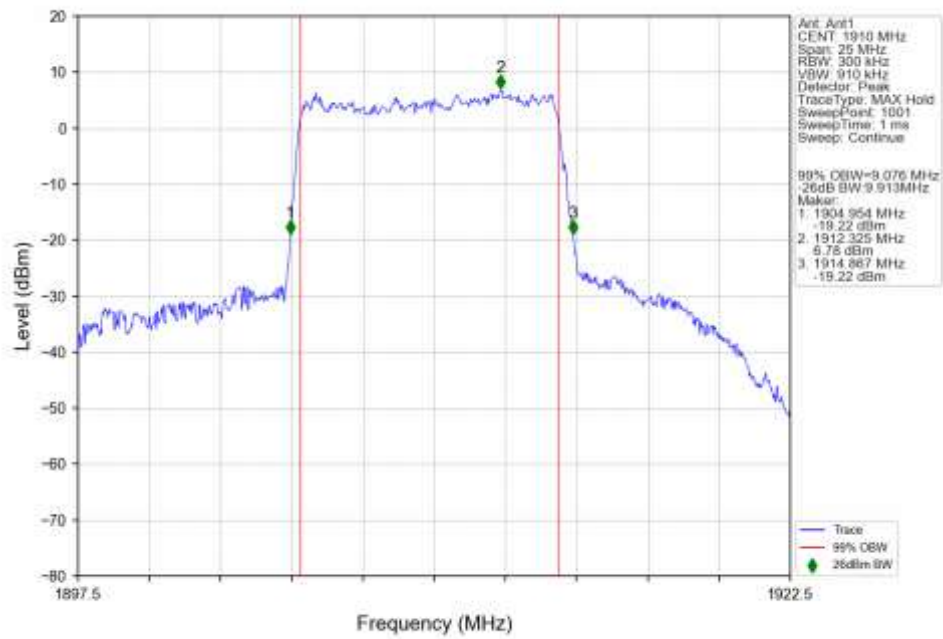
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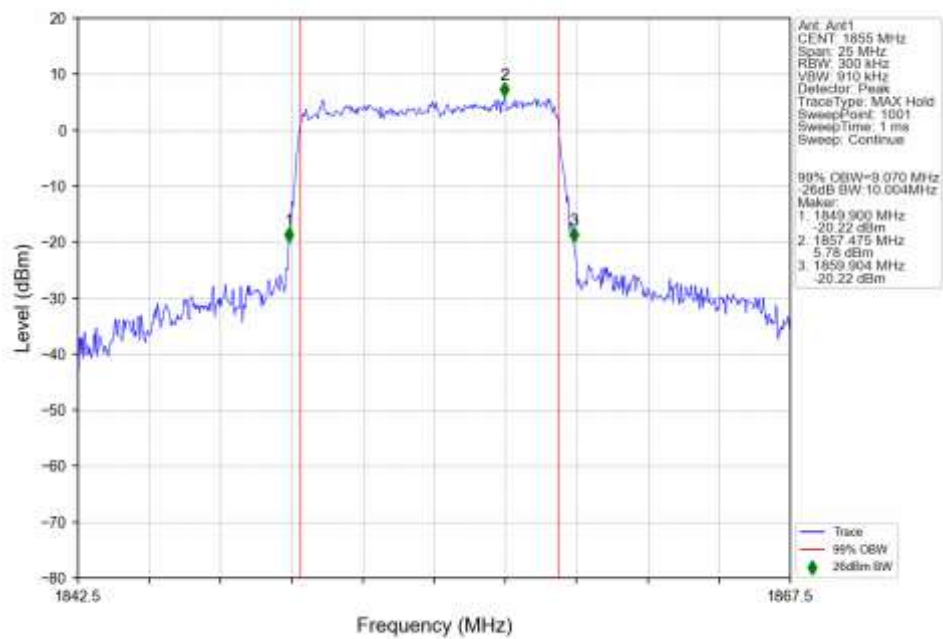
4.2.2 15k_SISO_10MHz_NTNV



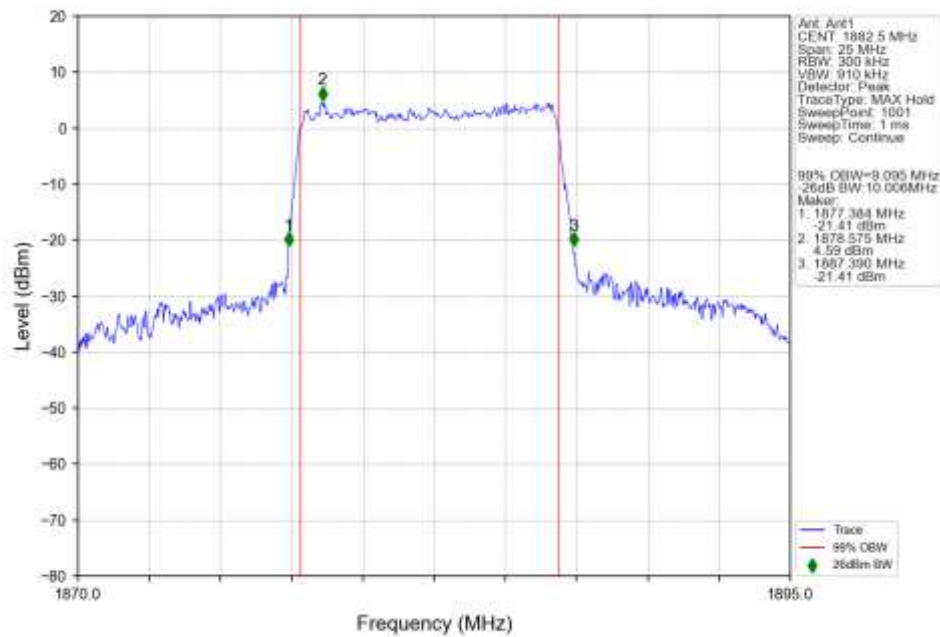
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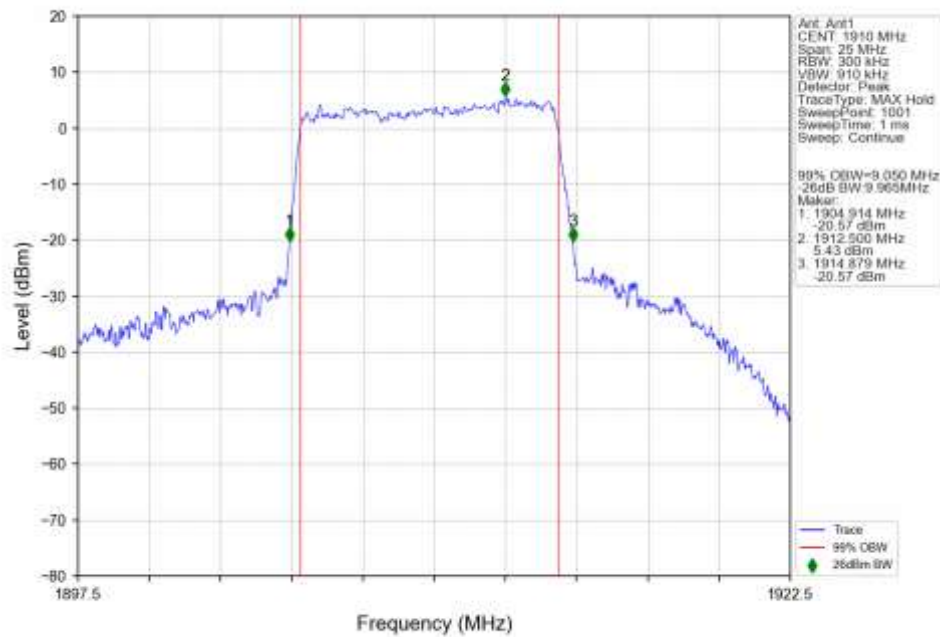
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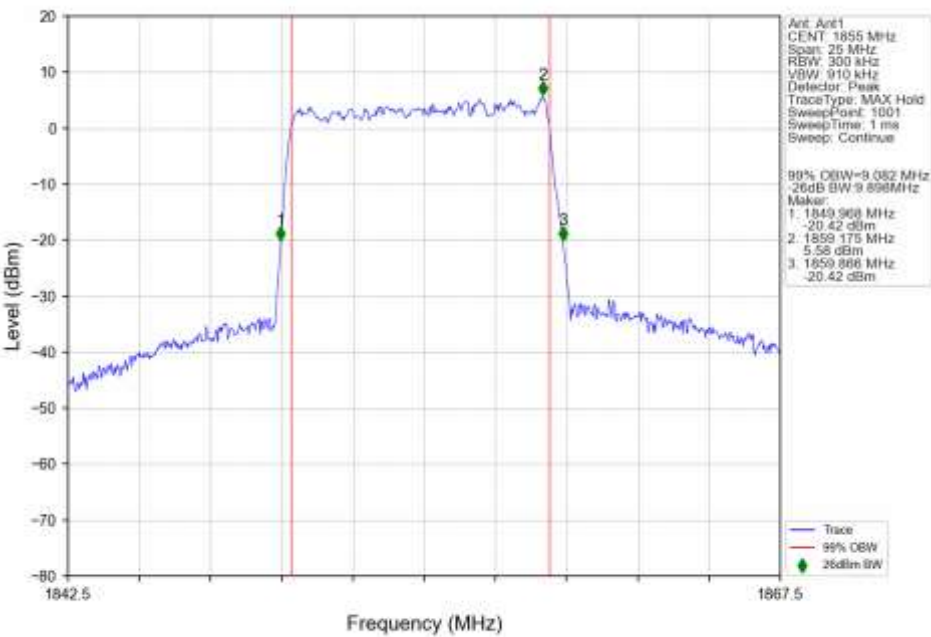
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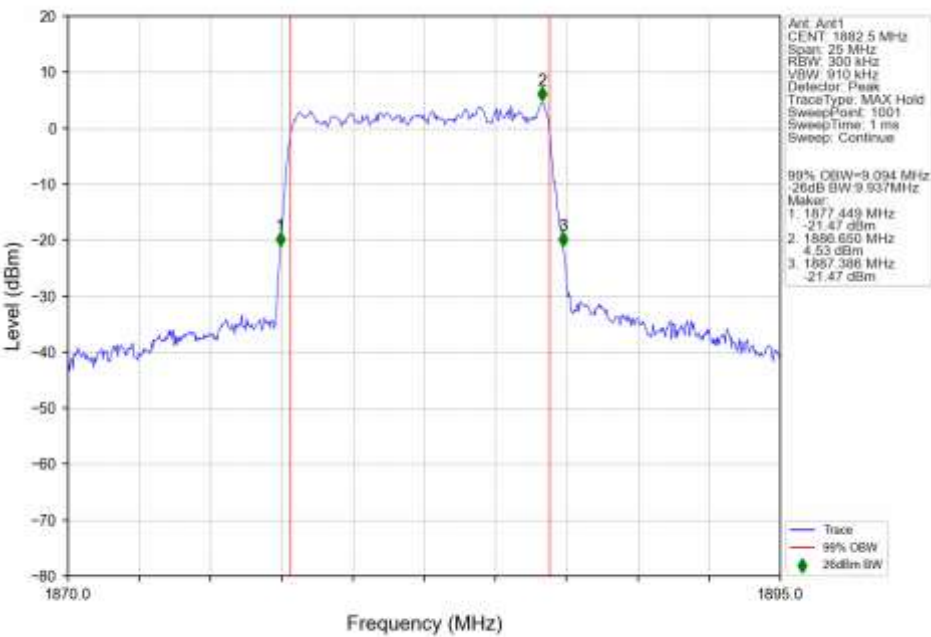
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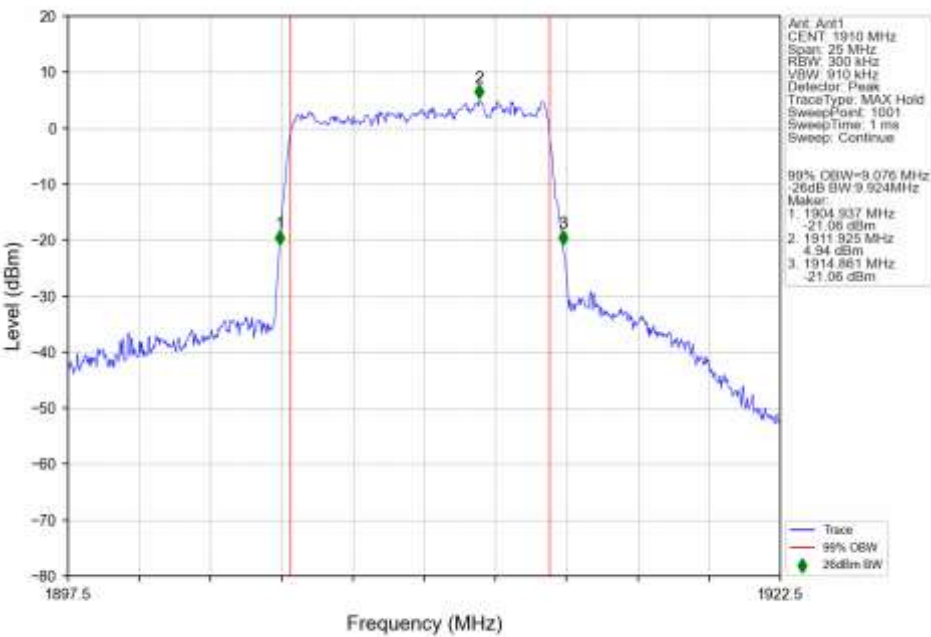
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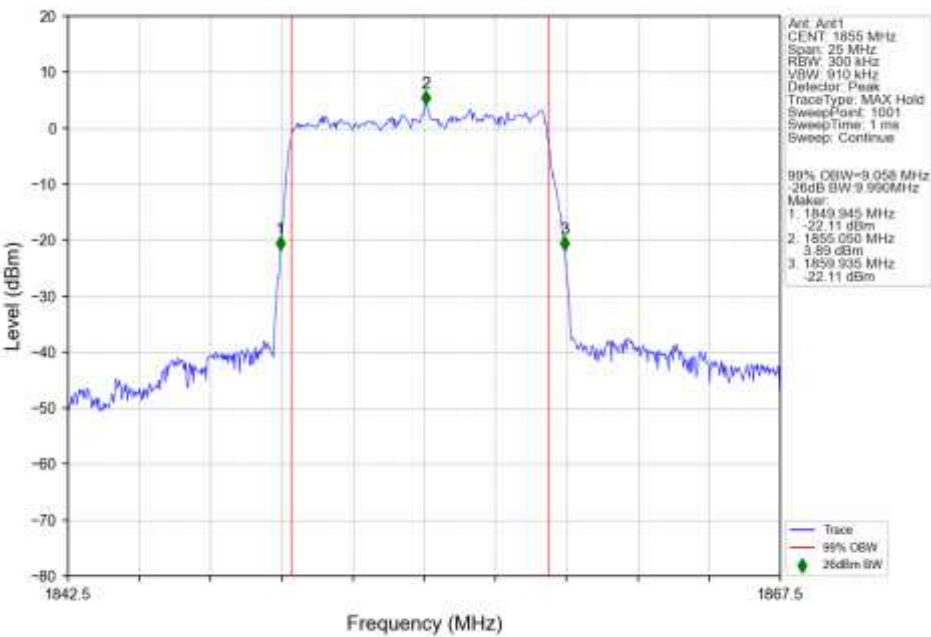
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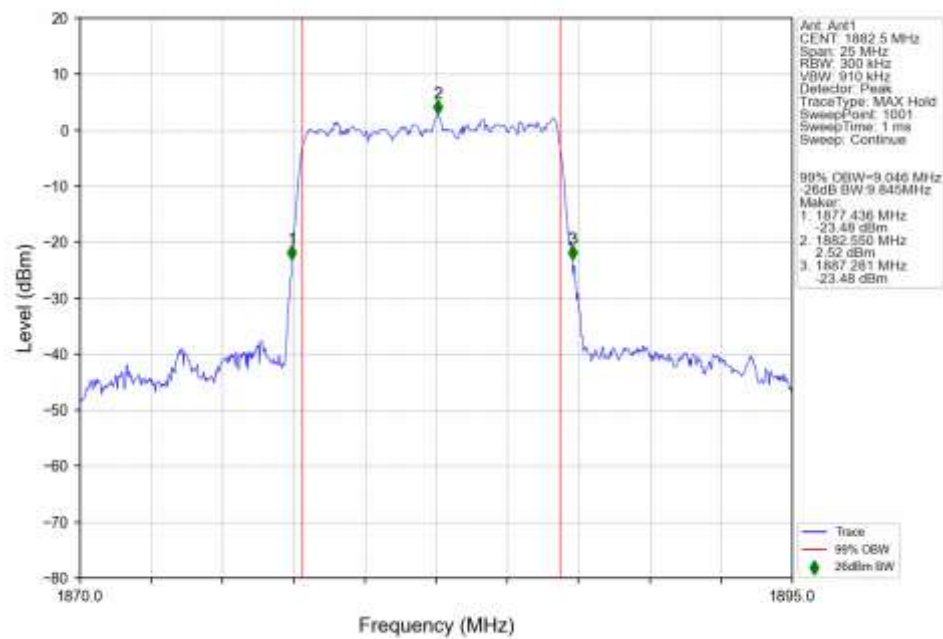
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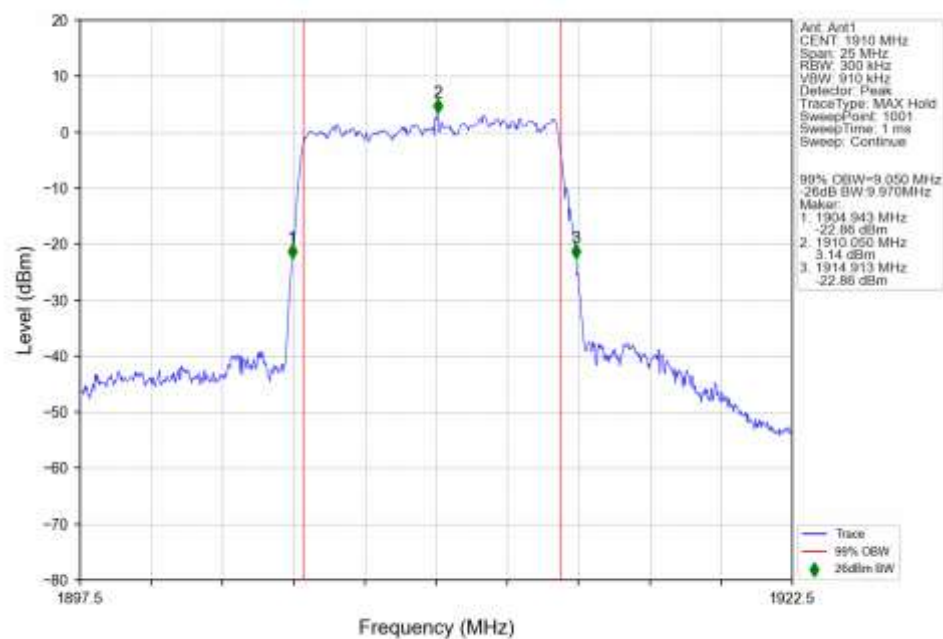
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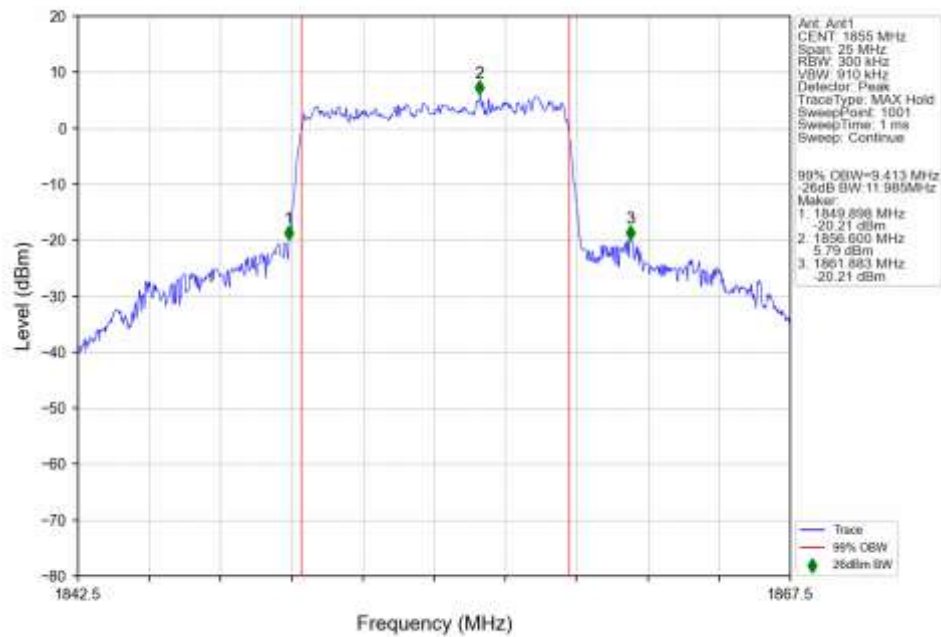
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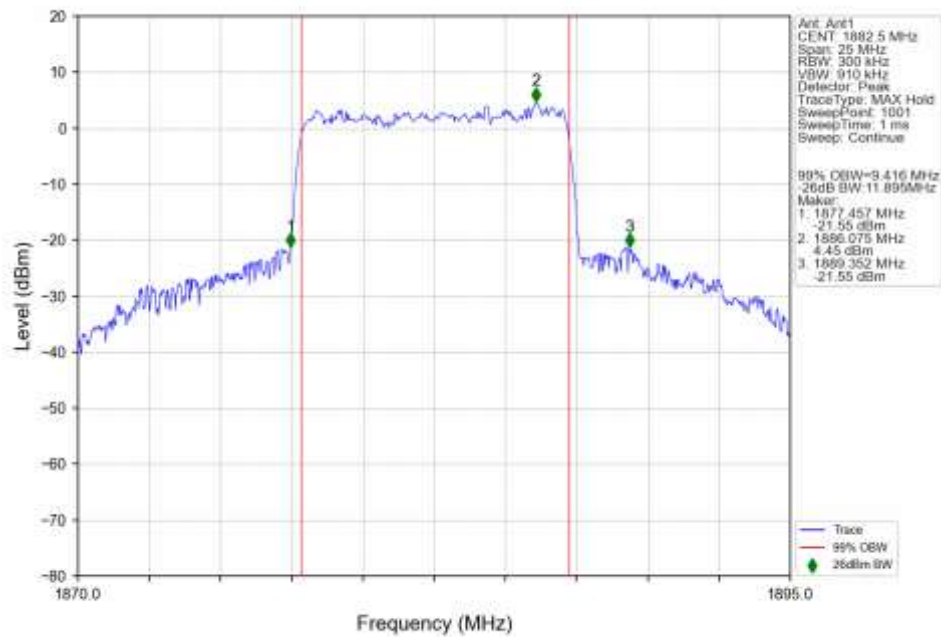
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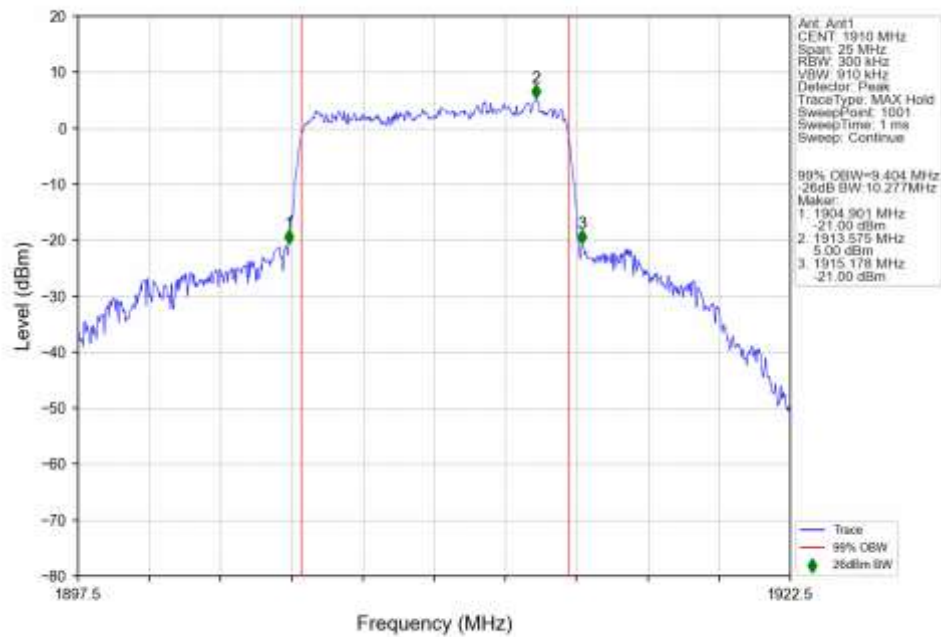
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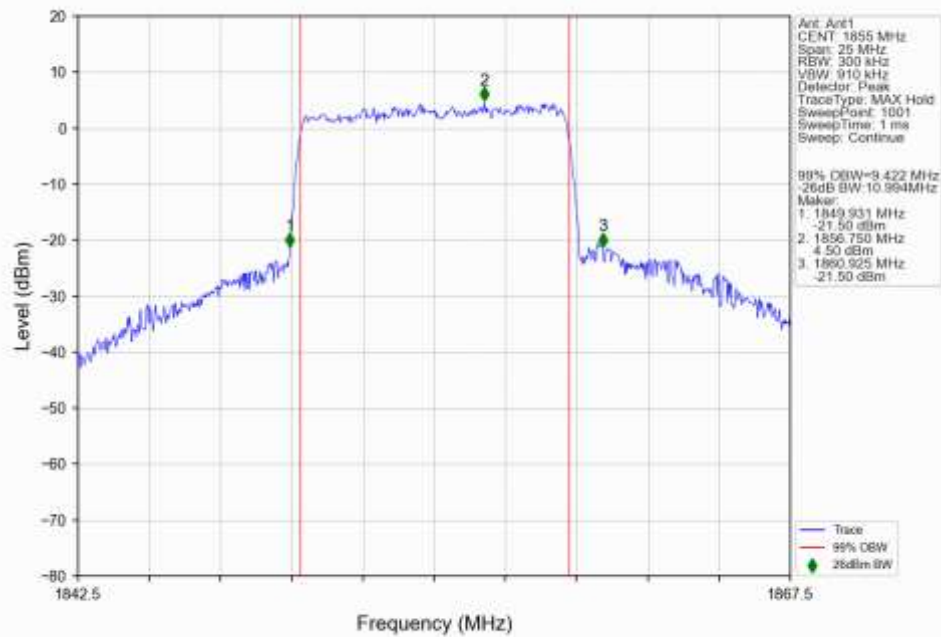
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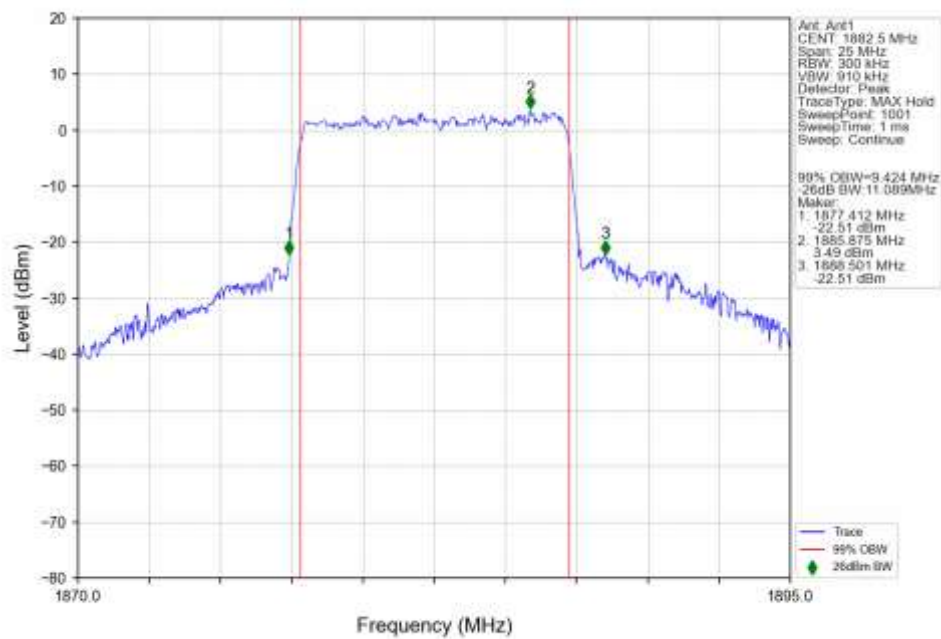
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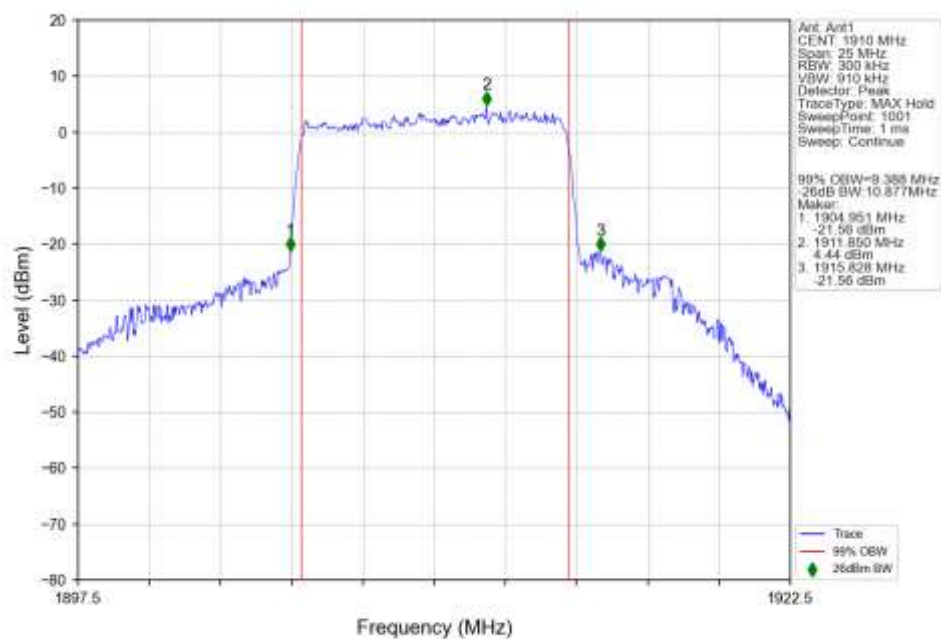
n25_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_1855MHz_Outer_Full_Ant1



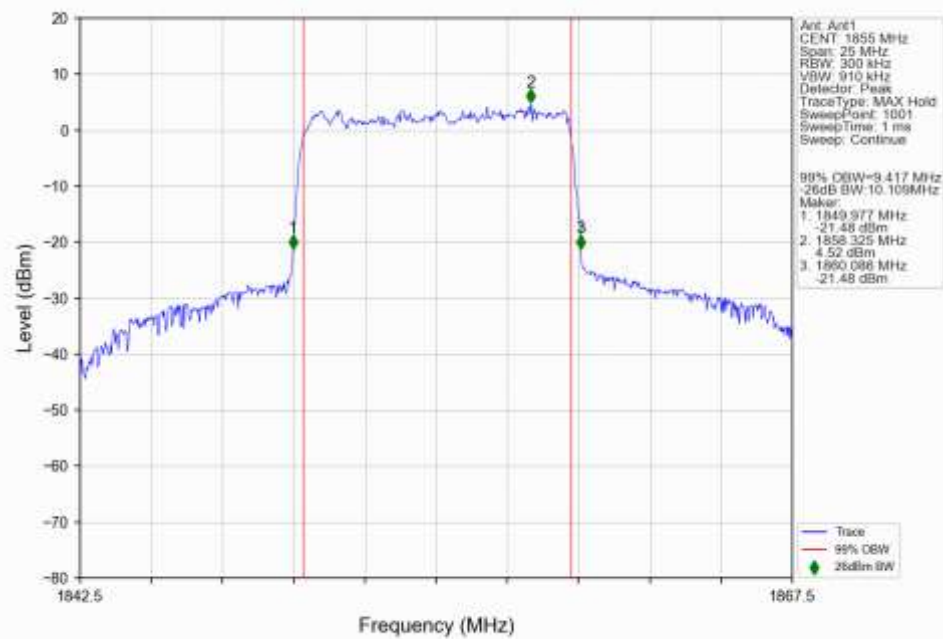
n25_15kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full_Ant1



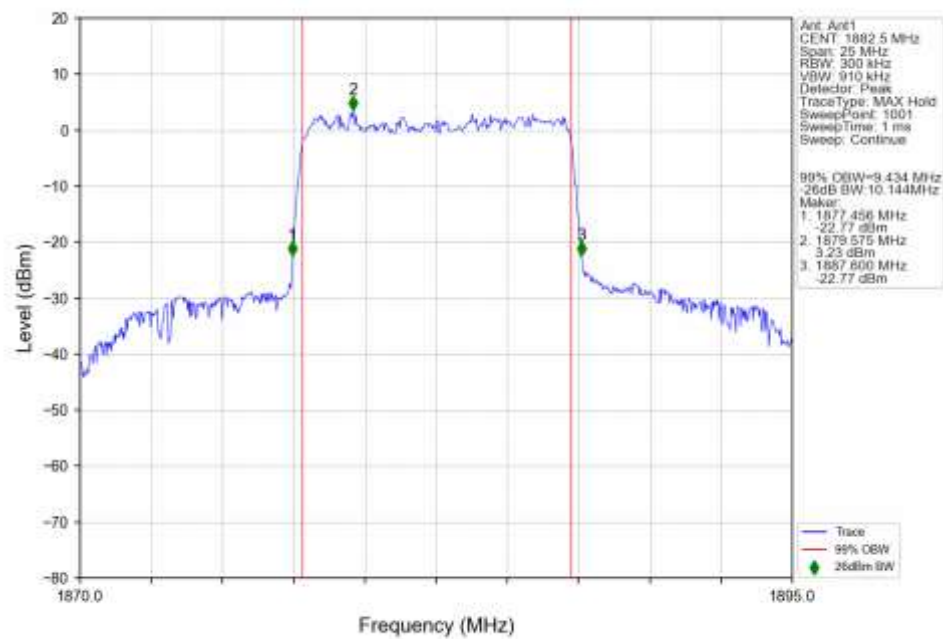
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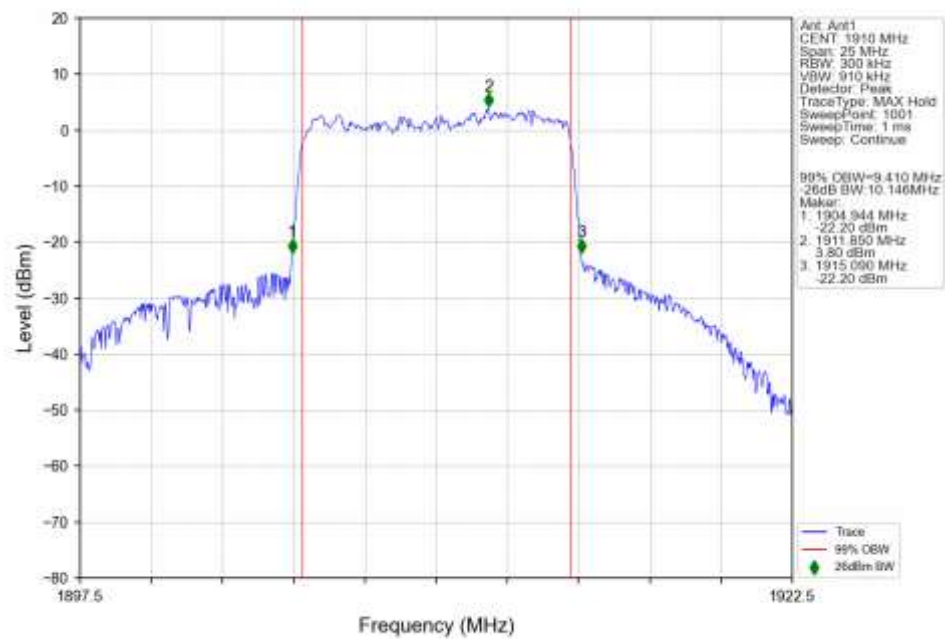
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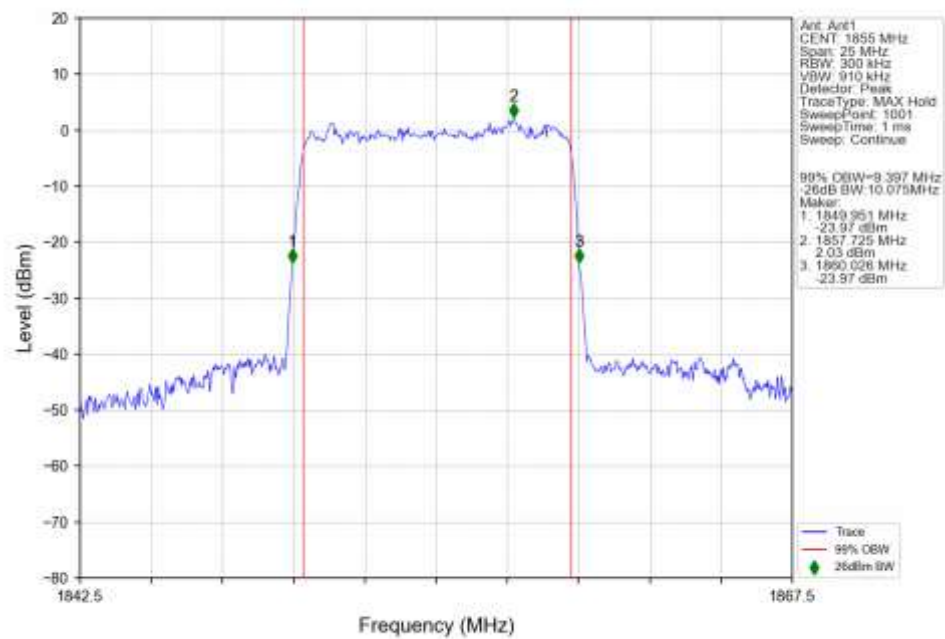
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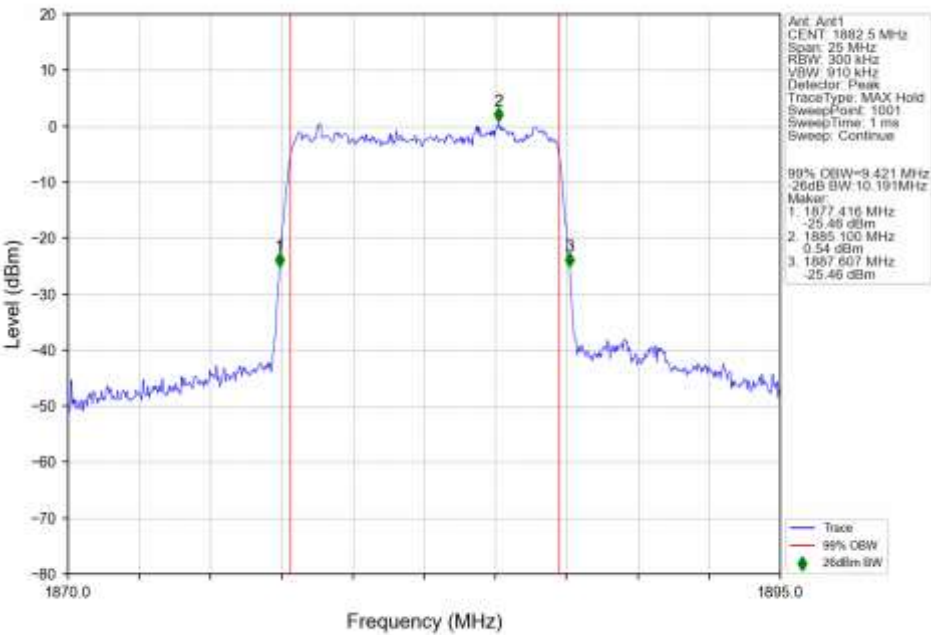
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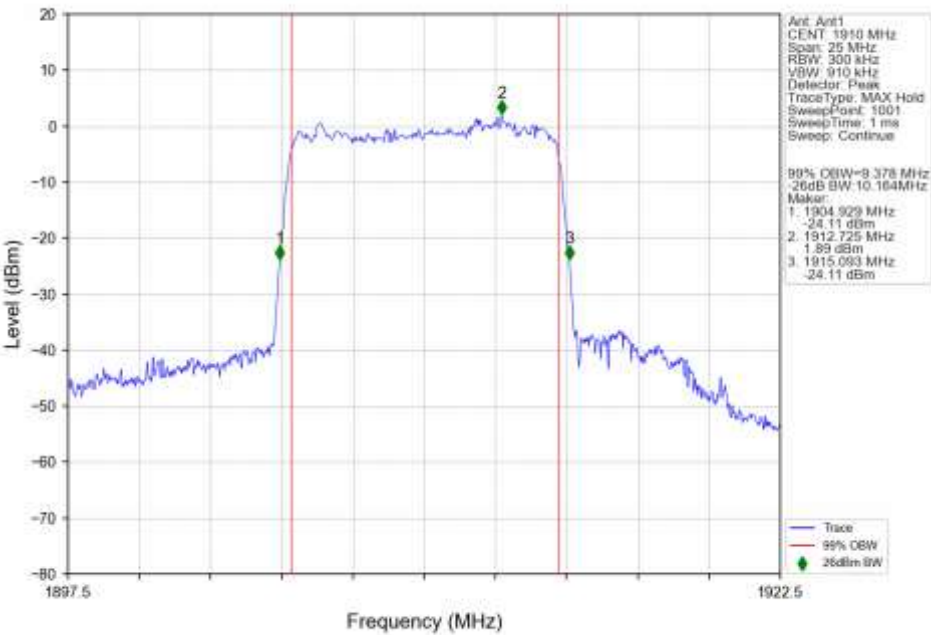
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n25_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1

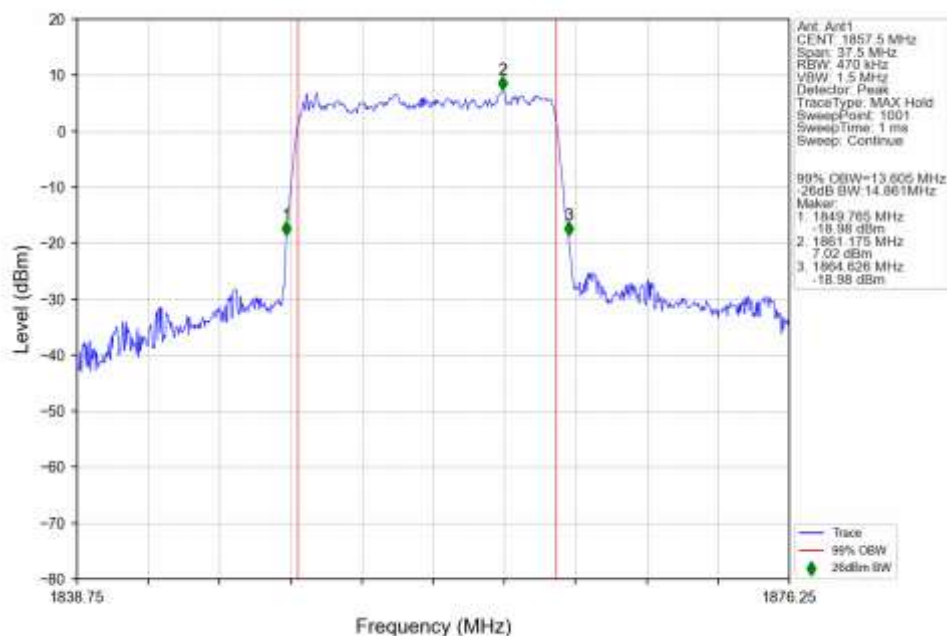


n25_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_1910MHz_Outer_Full_Ant1

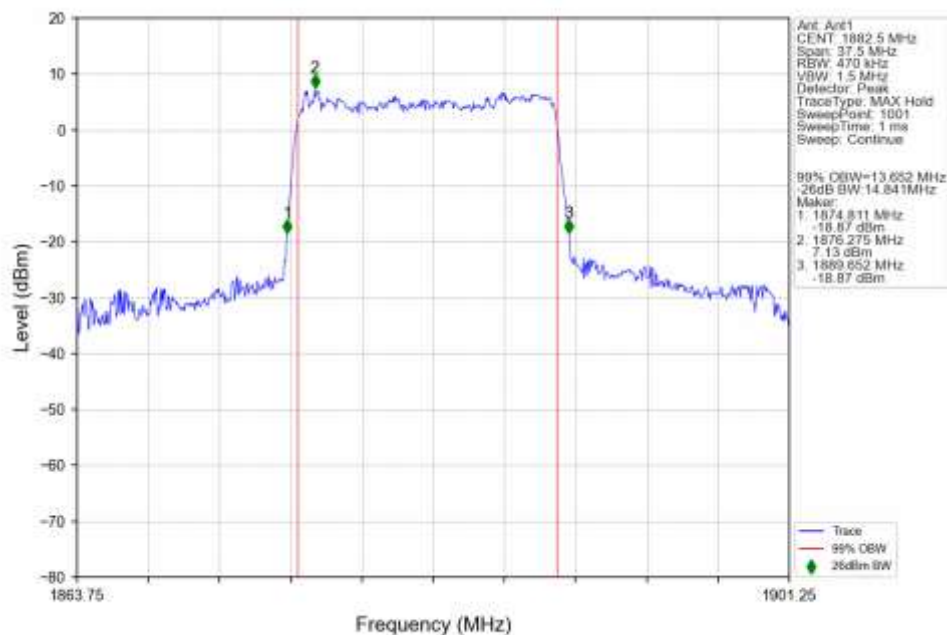


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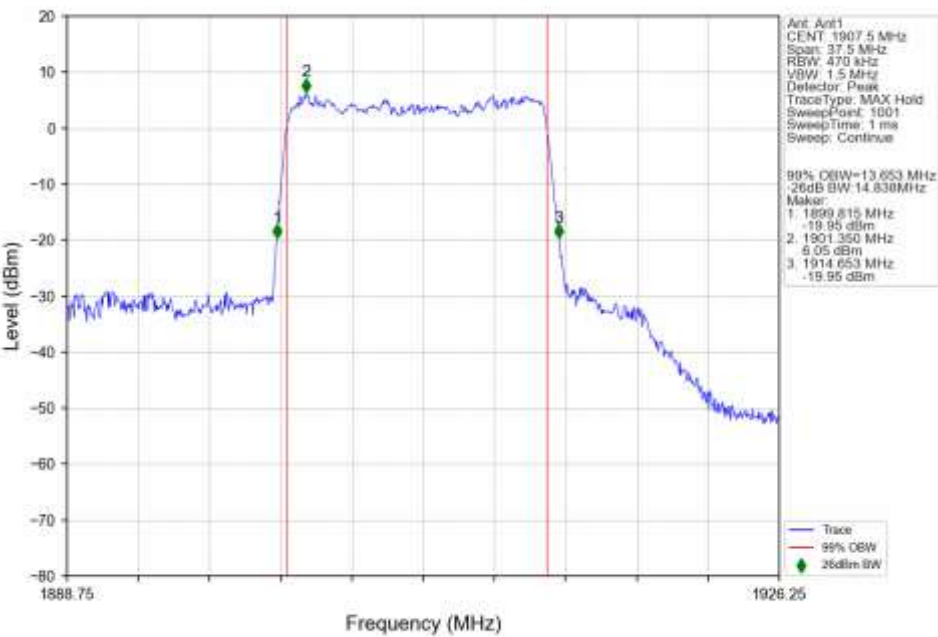
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1857.5MHz_Outer_Full_Ant1



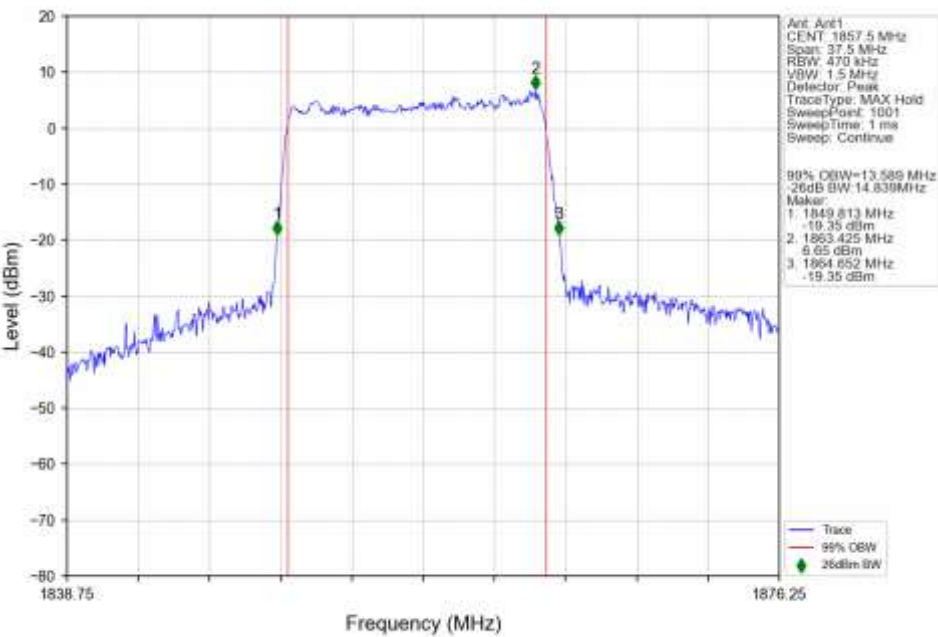
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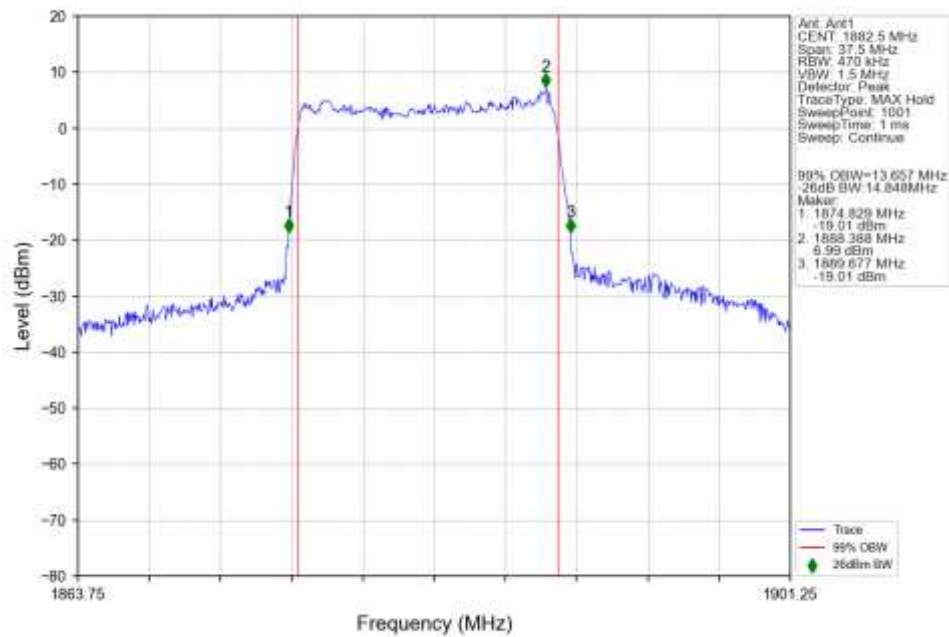
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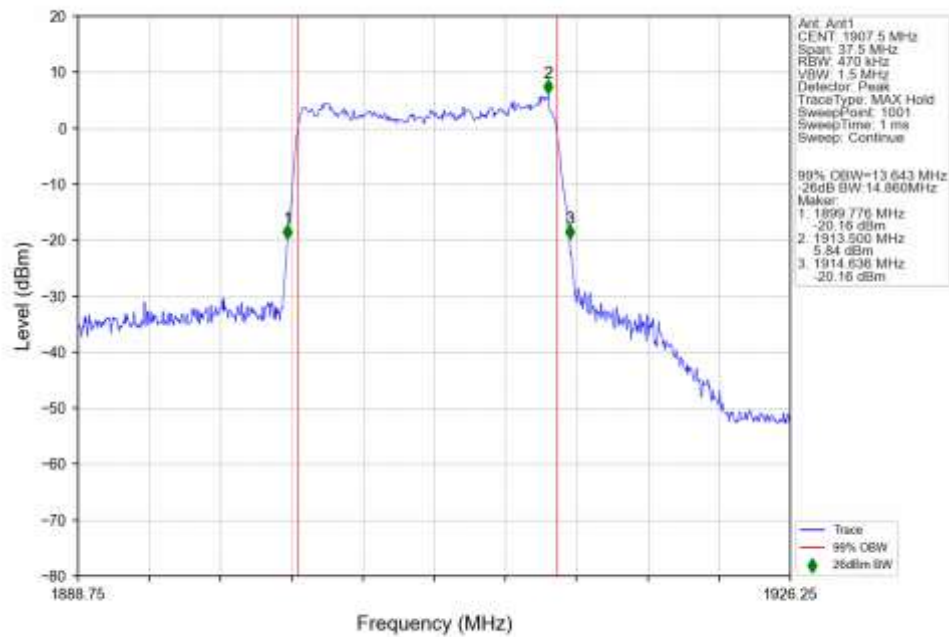
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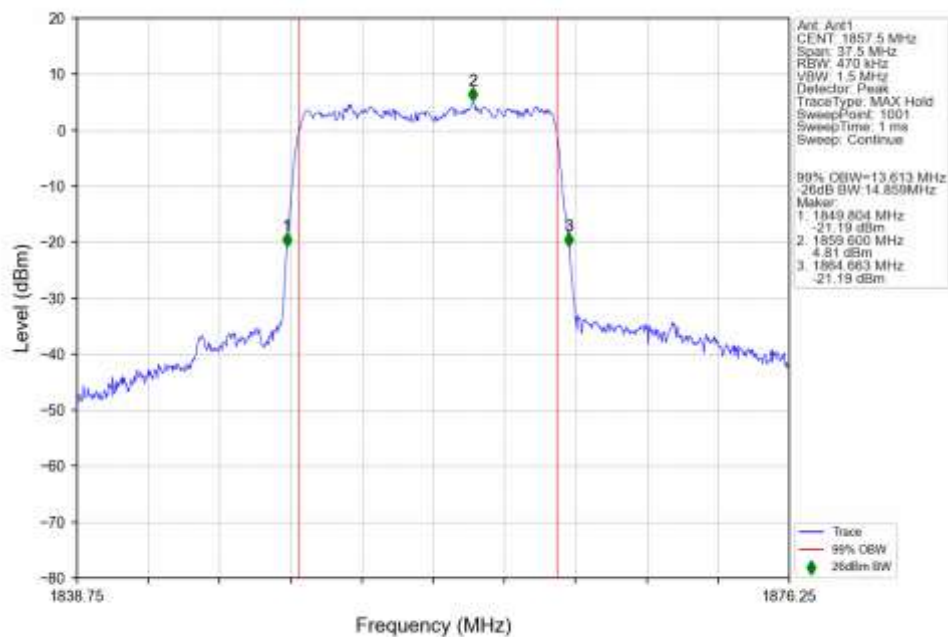
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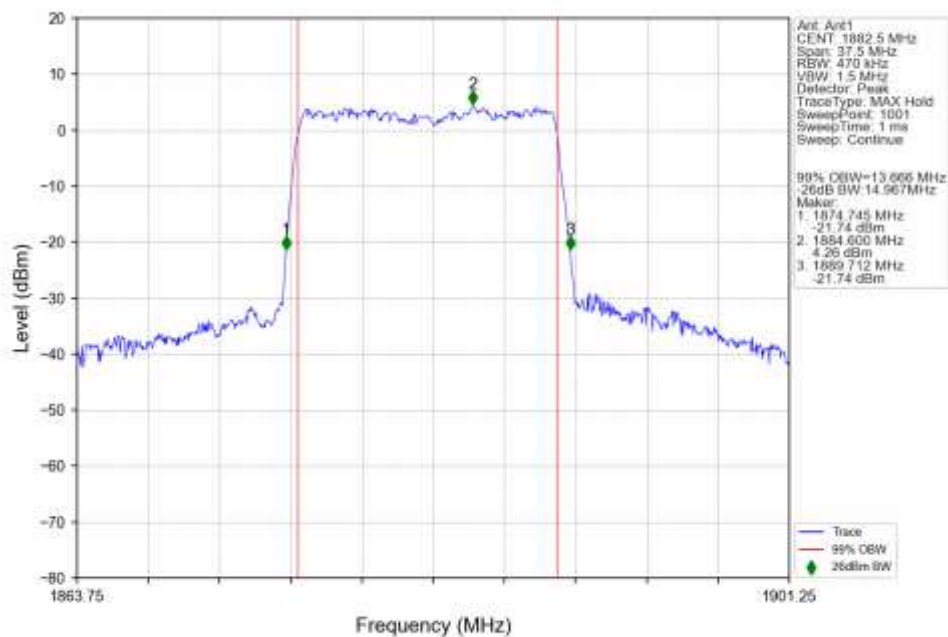
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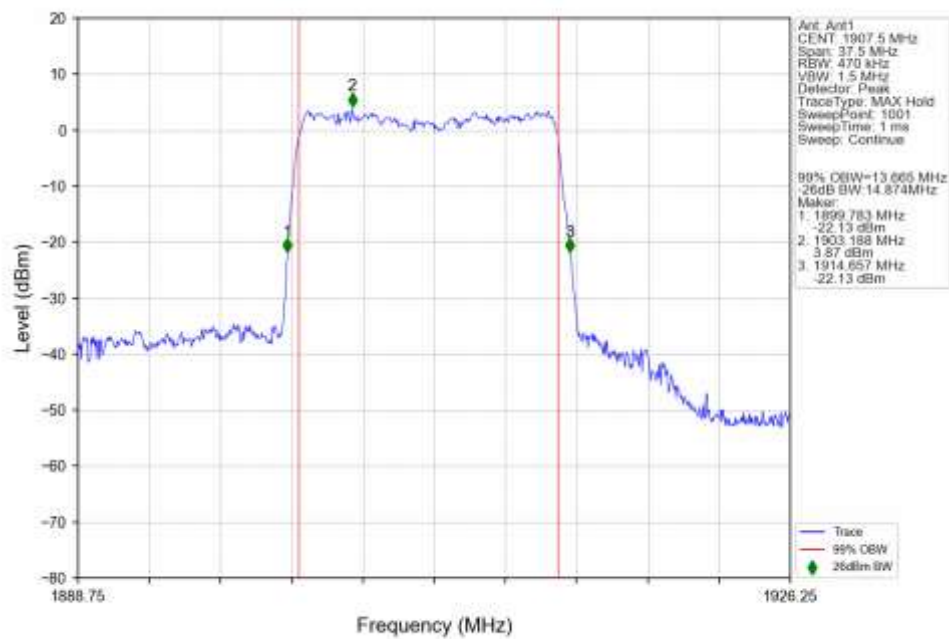
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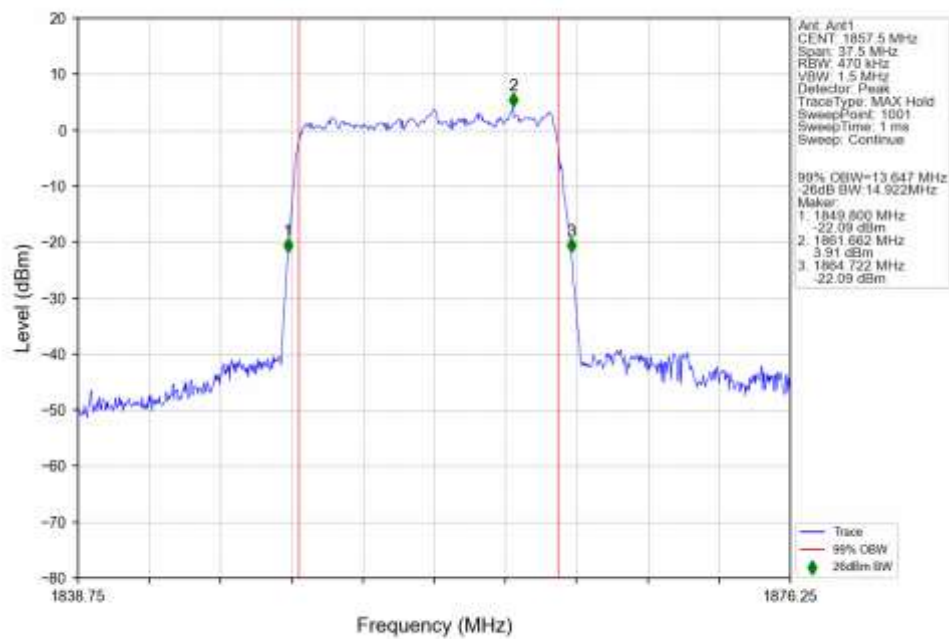
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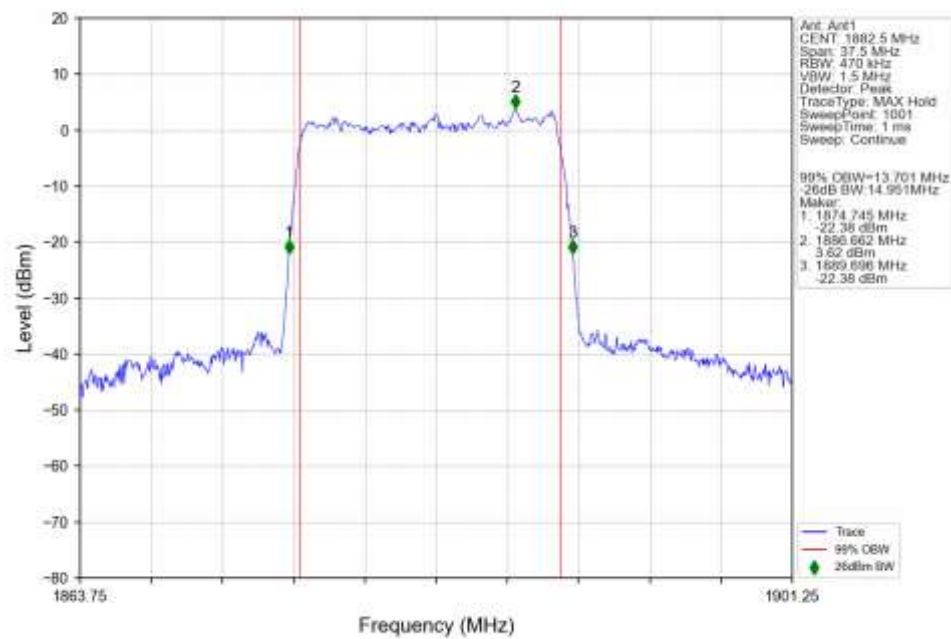
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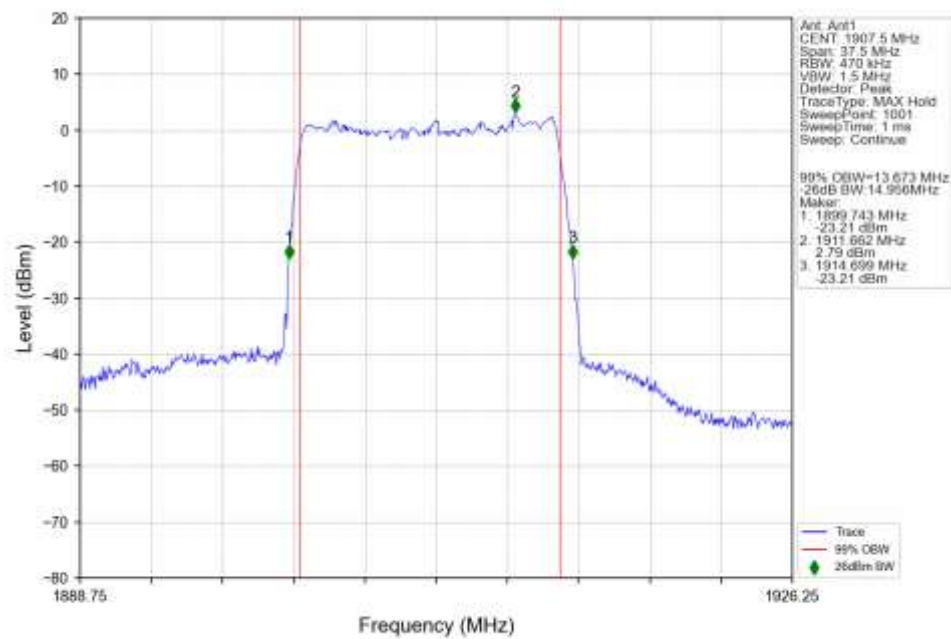
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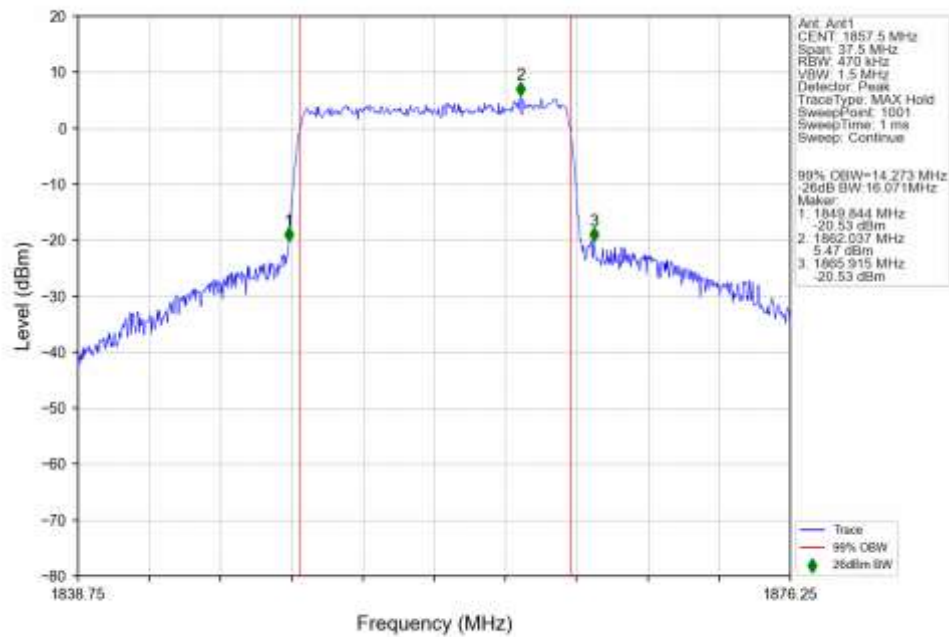
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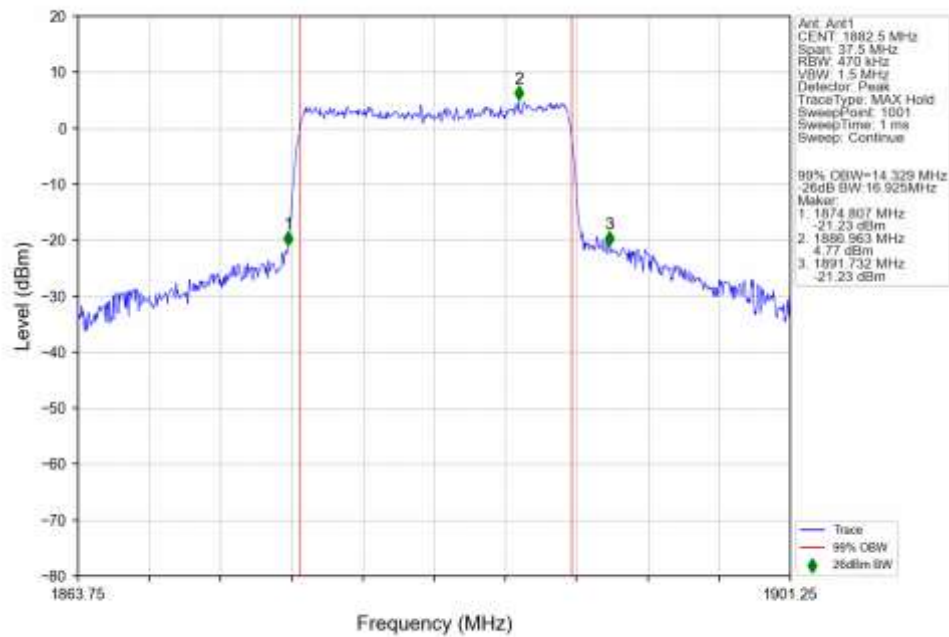
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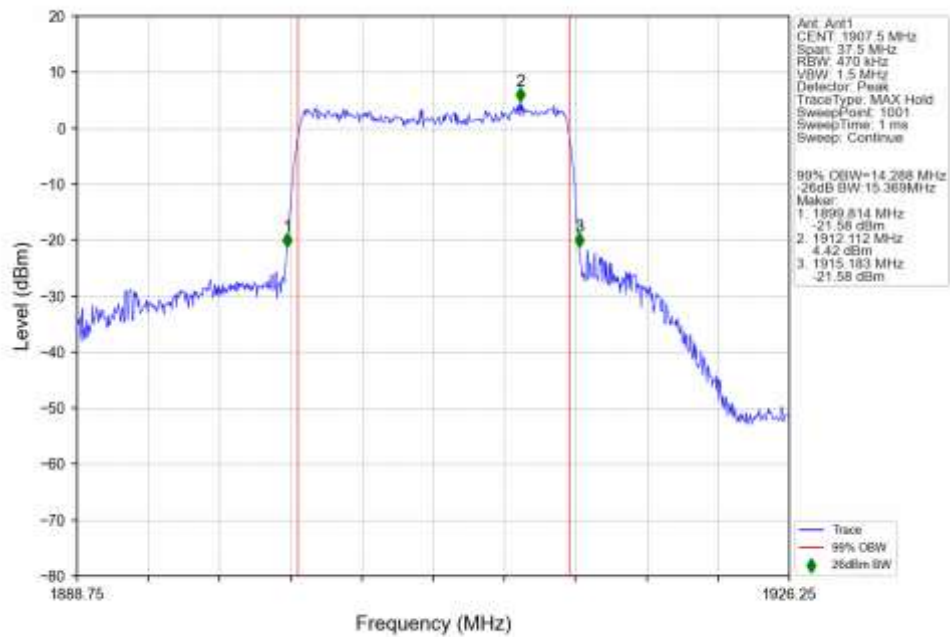
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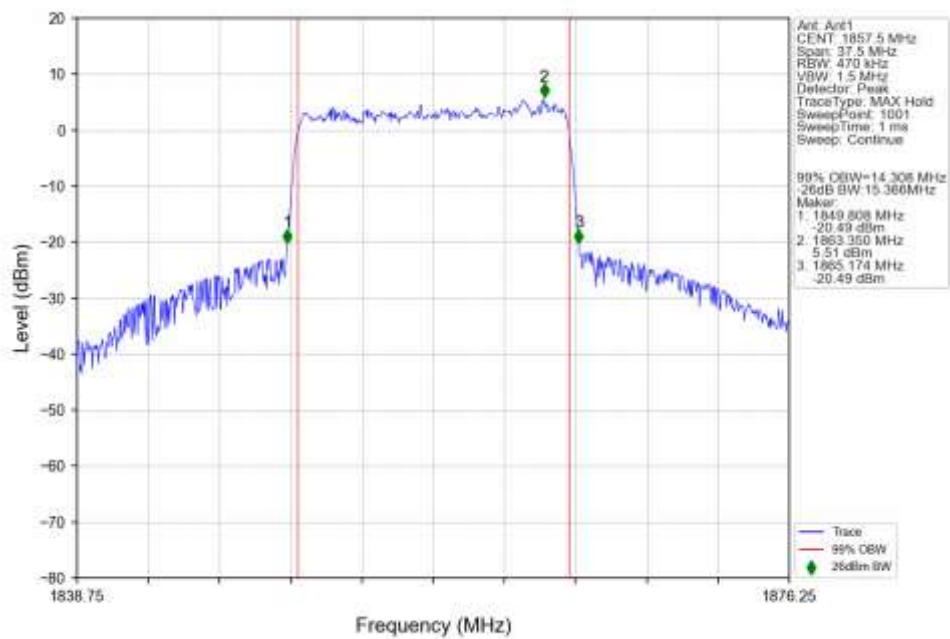
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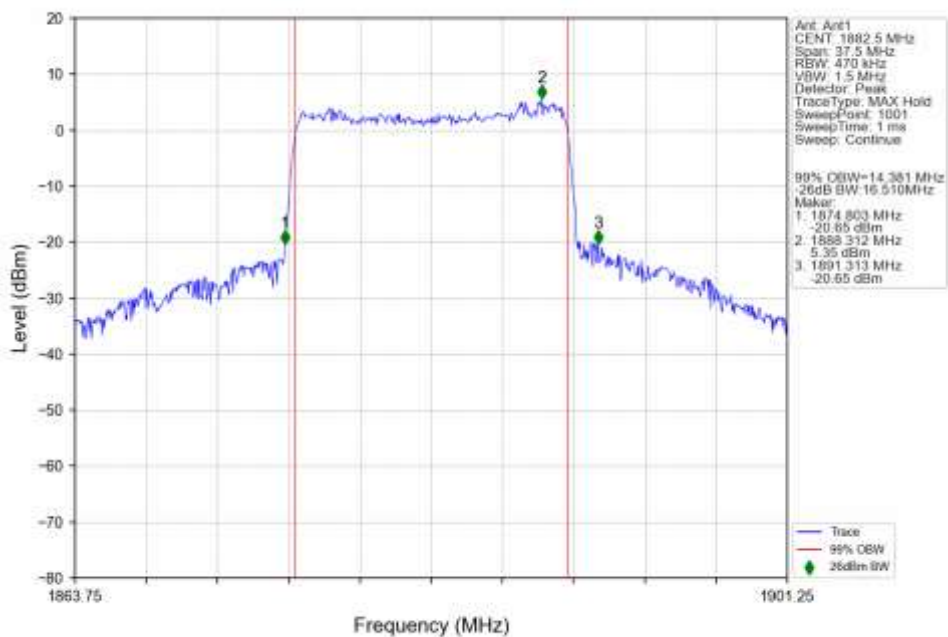
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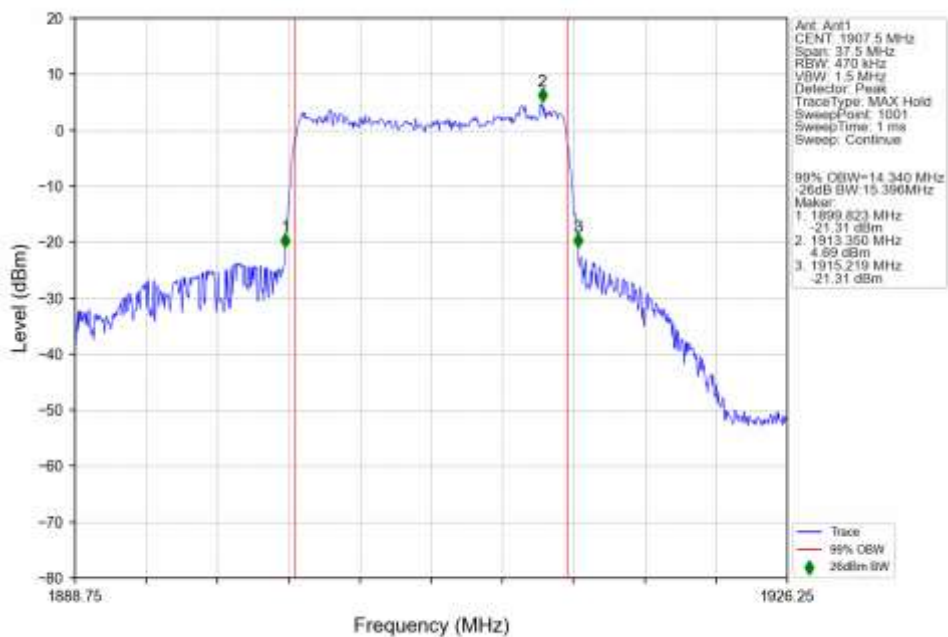
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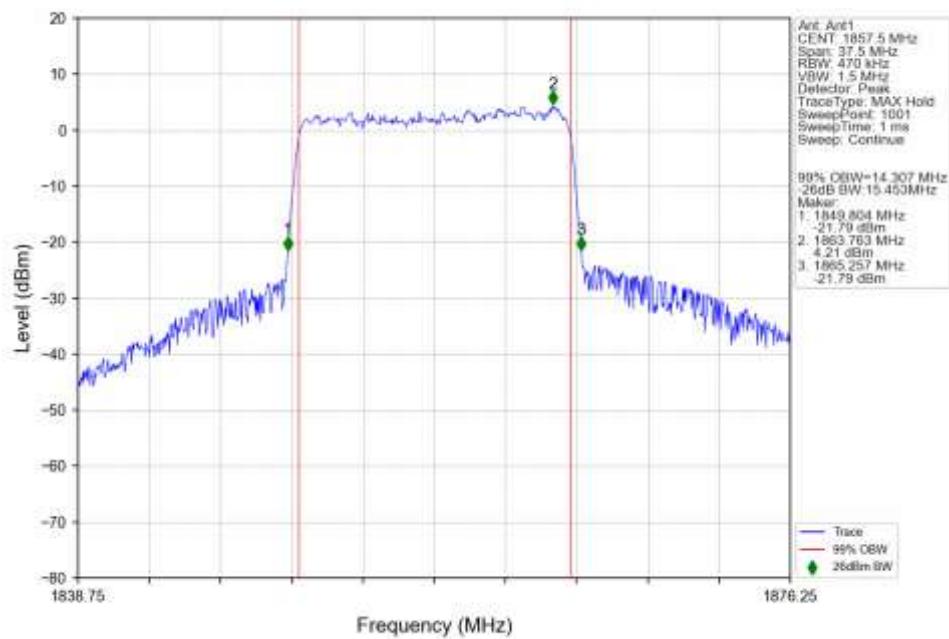
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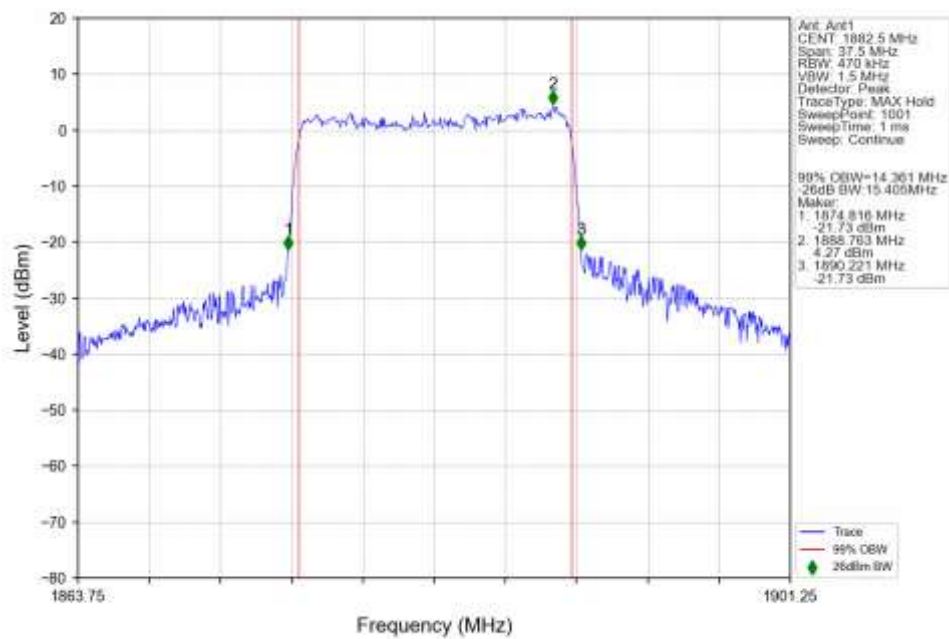
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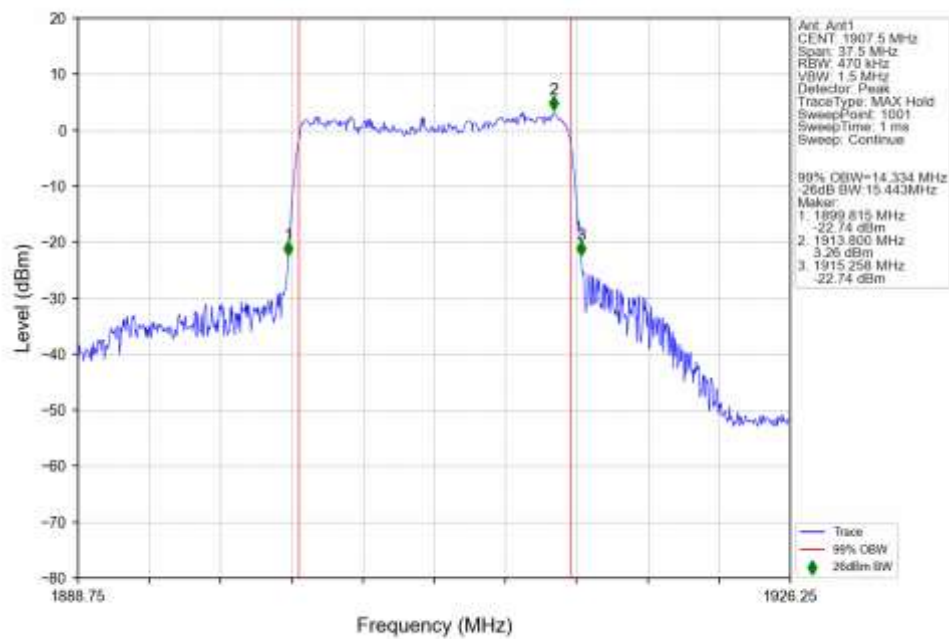
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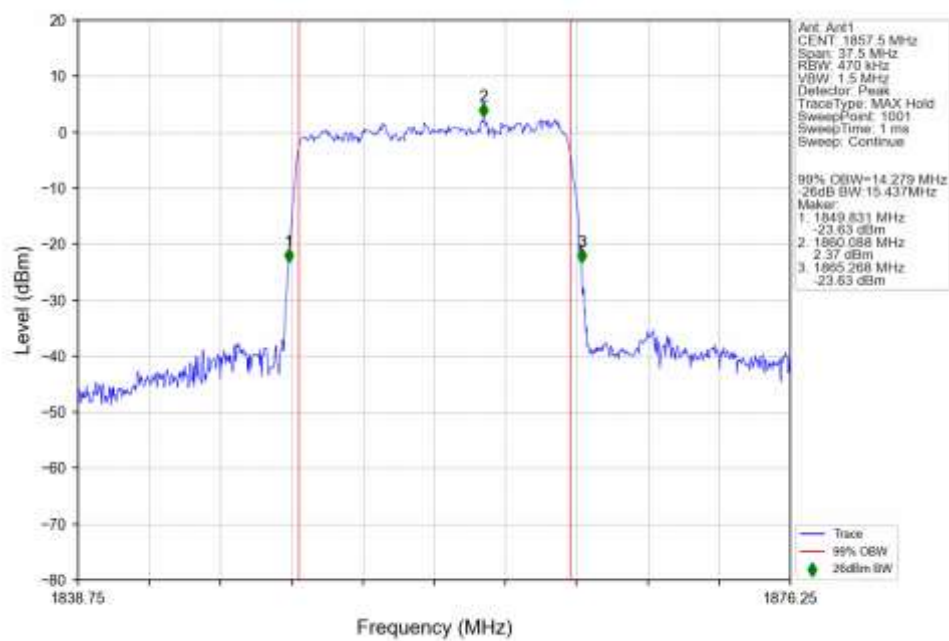
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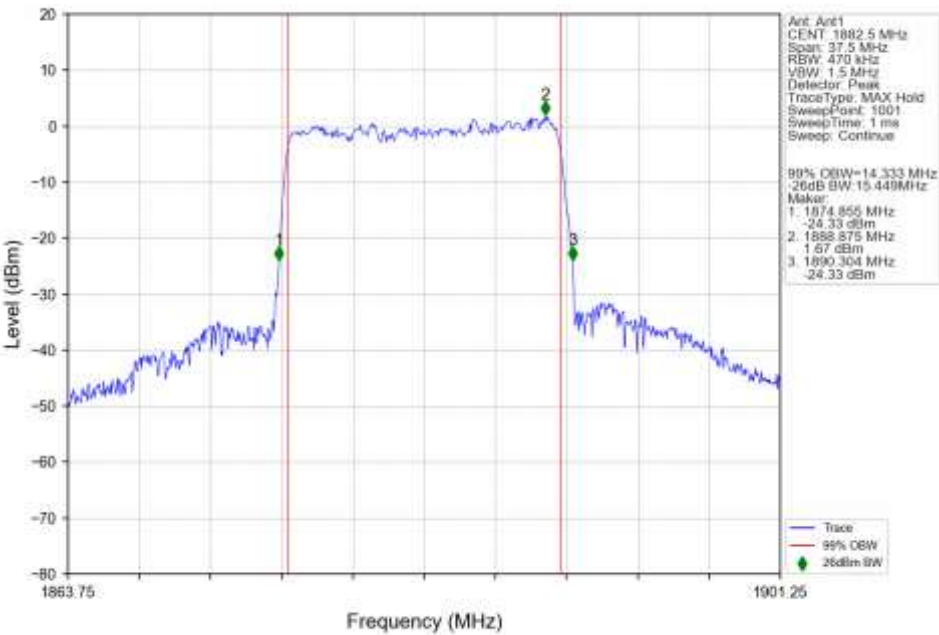
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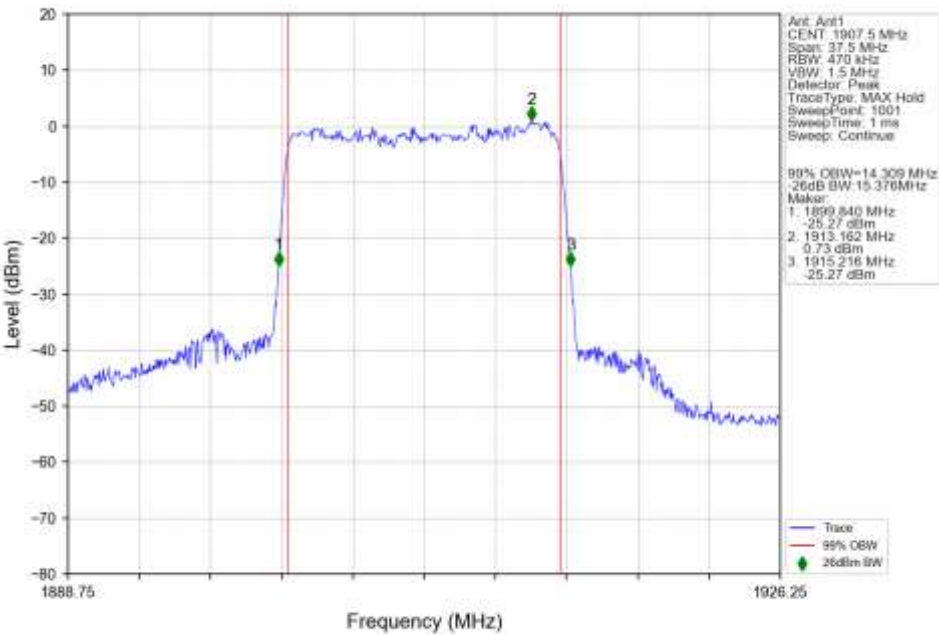
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n25_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1

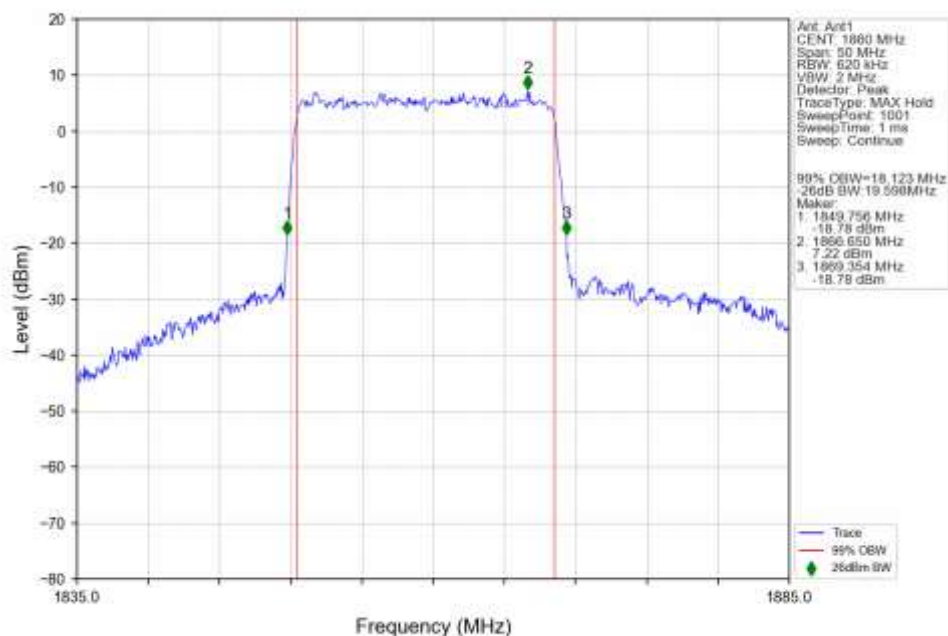


n25_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1907.5MHz_Outer_Full_Ant1

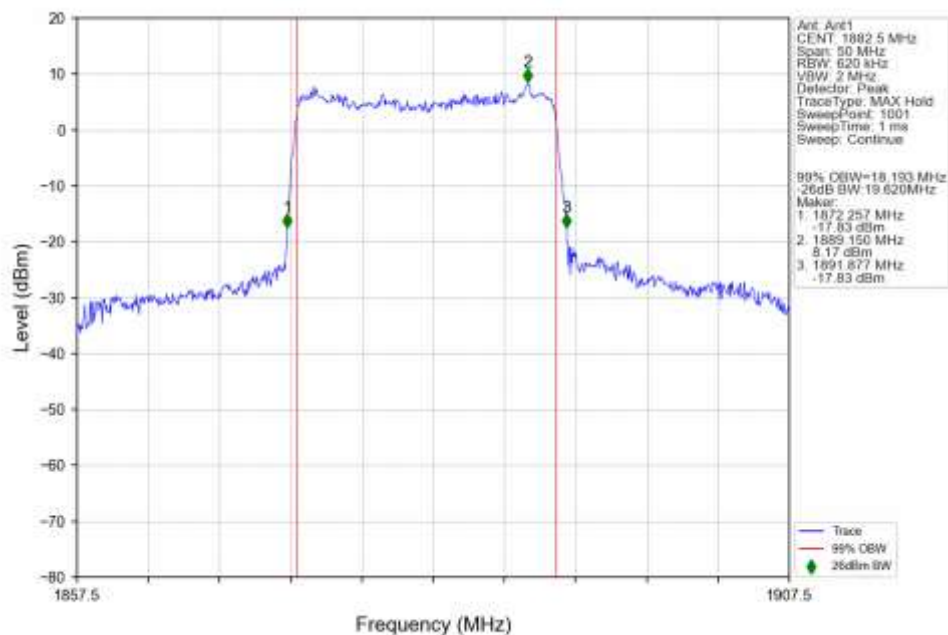


4.2.4 15k_SISO_20MHz_NTNV

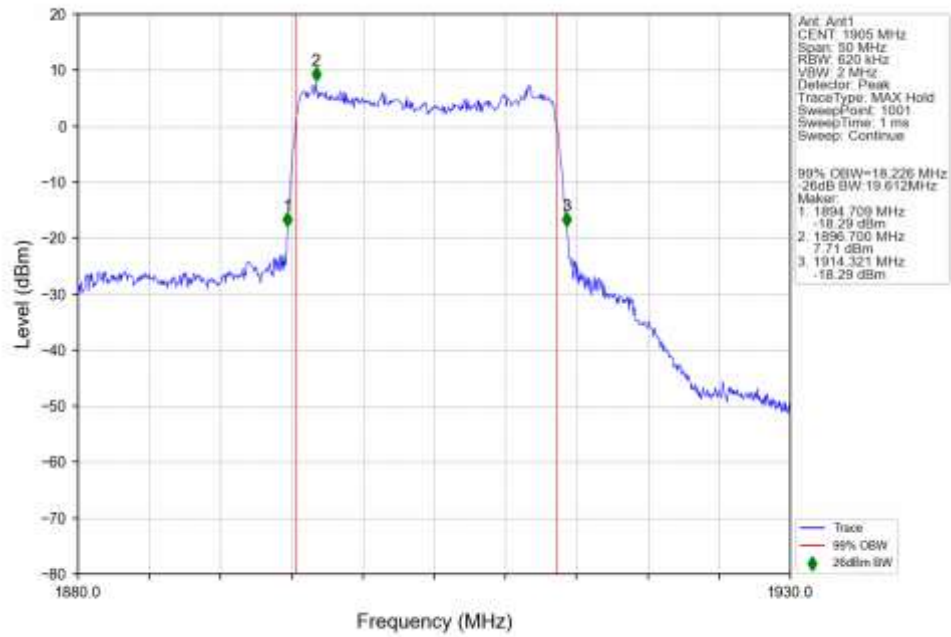
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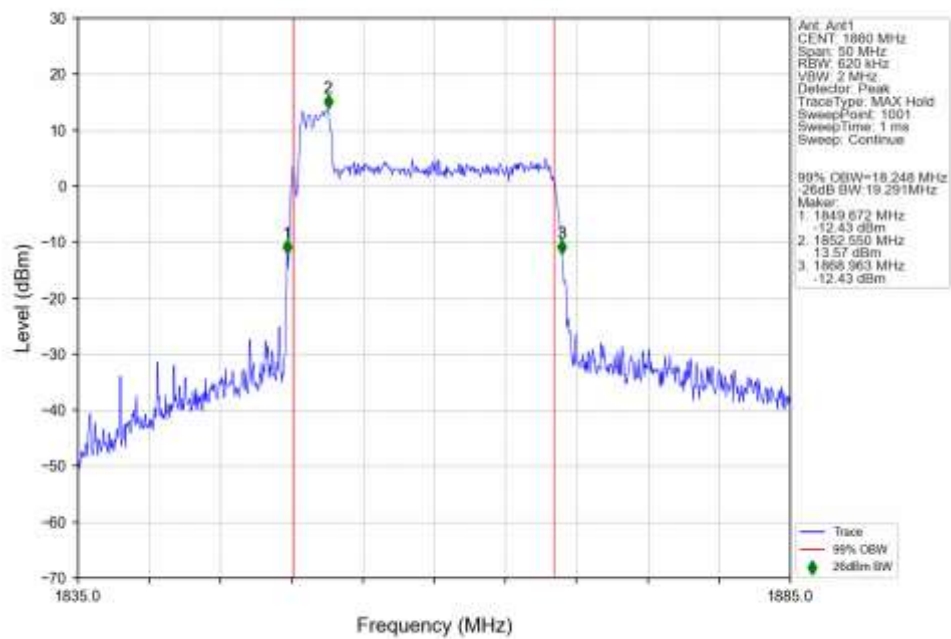
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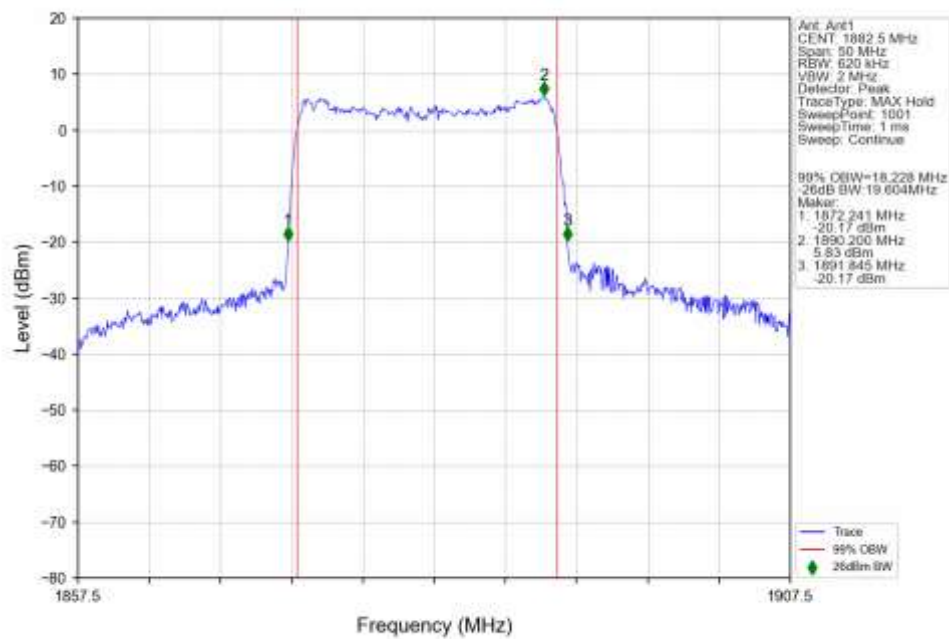
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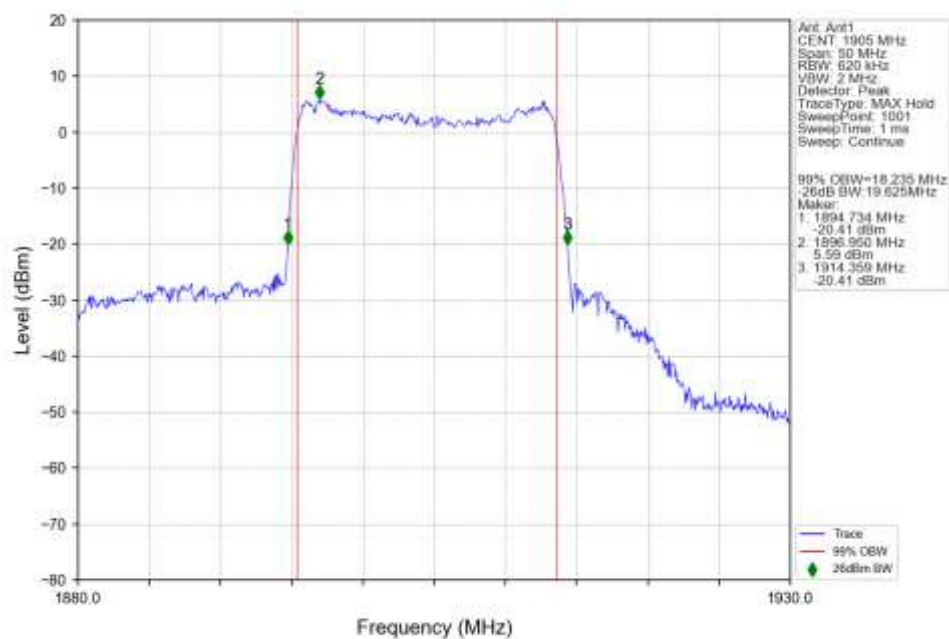
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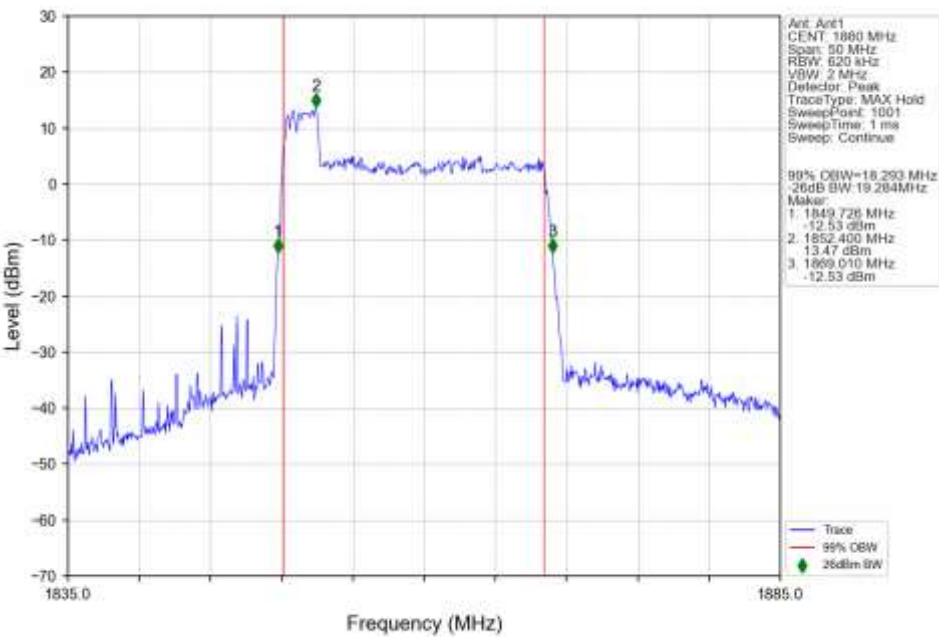
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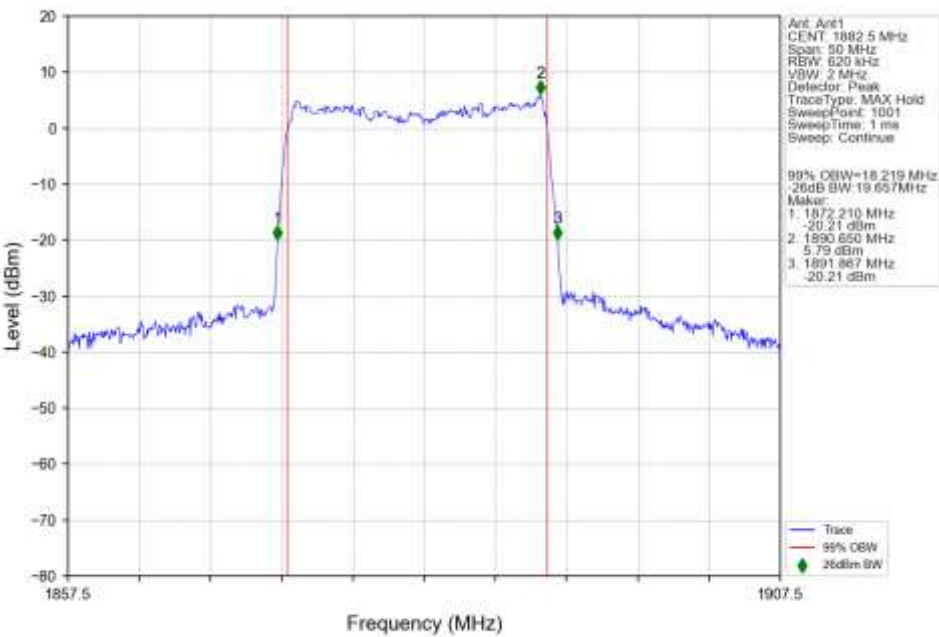
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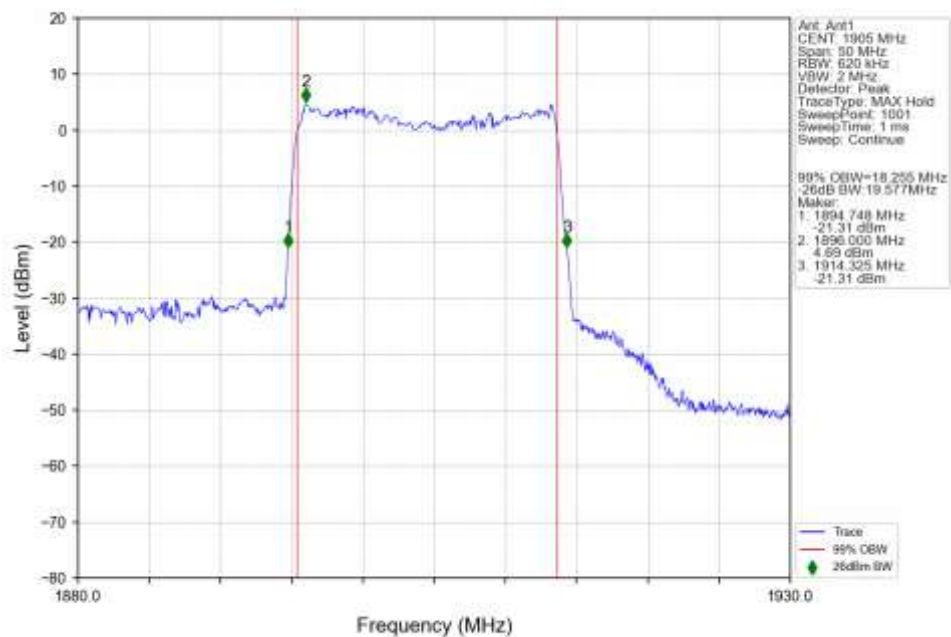
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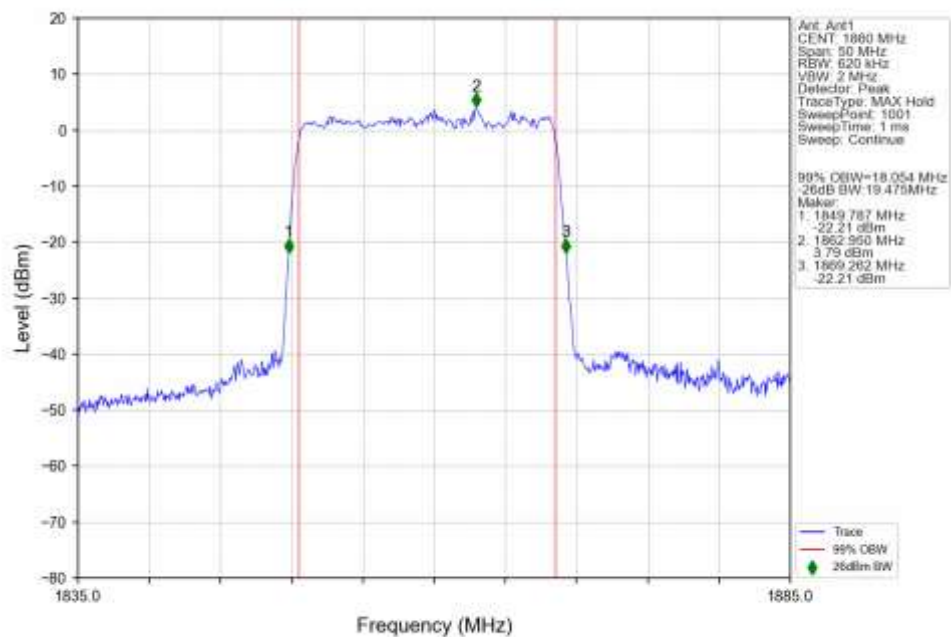
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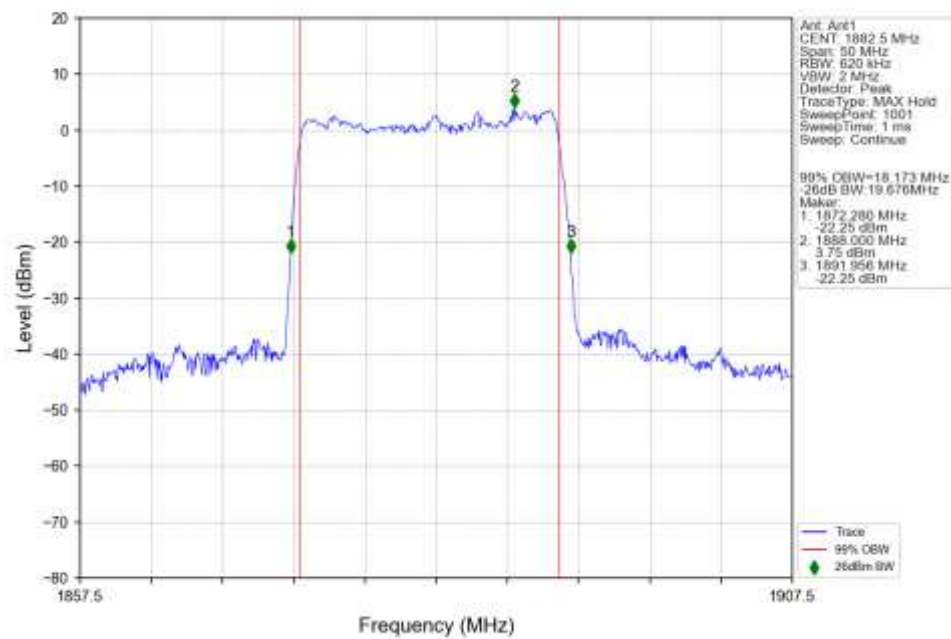
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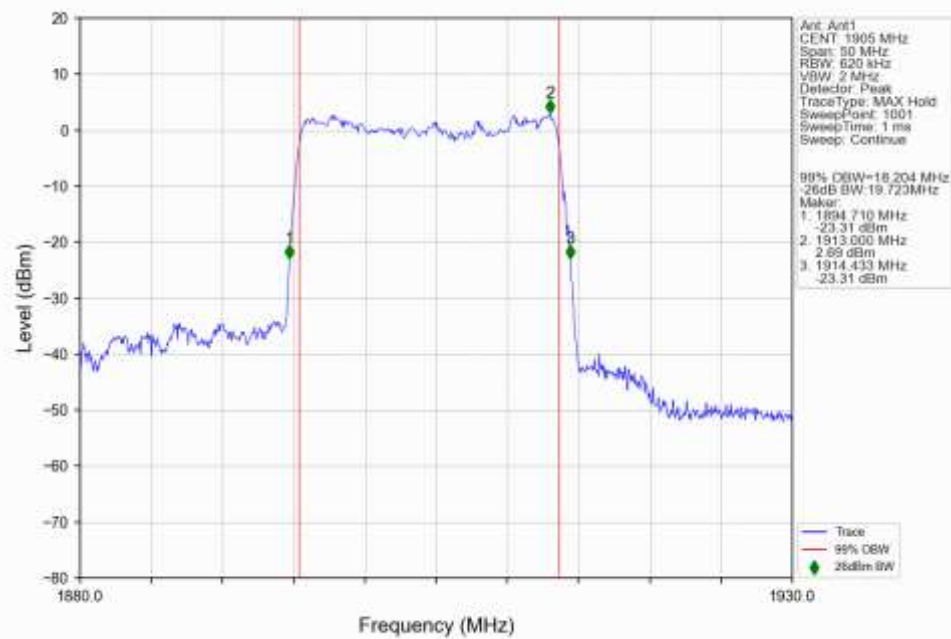
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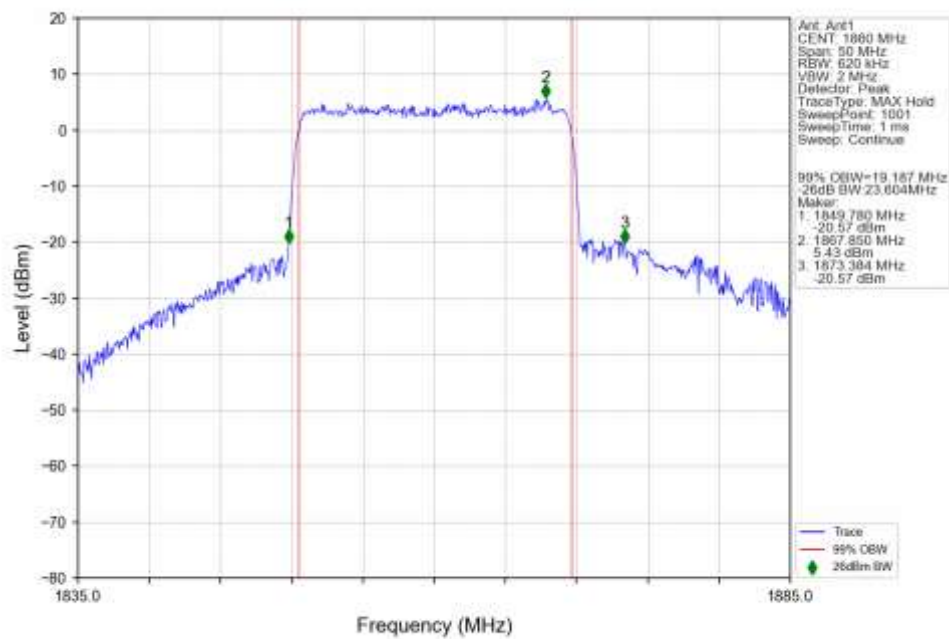
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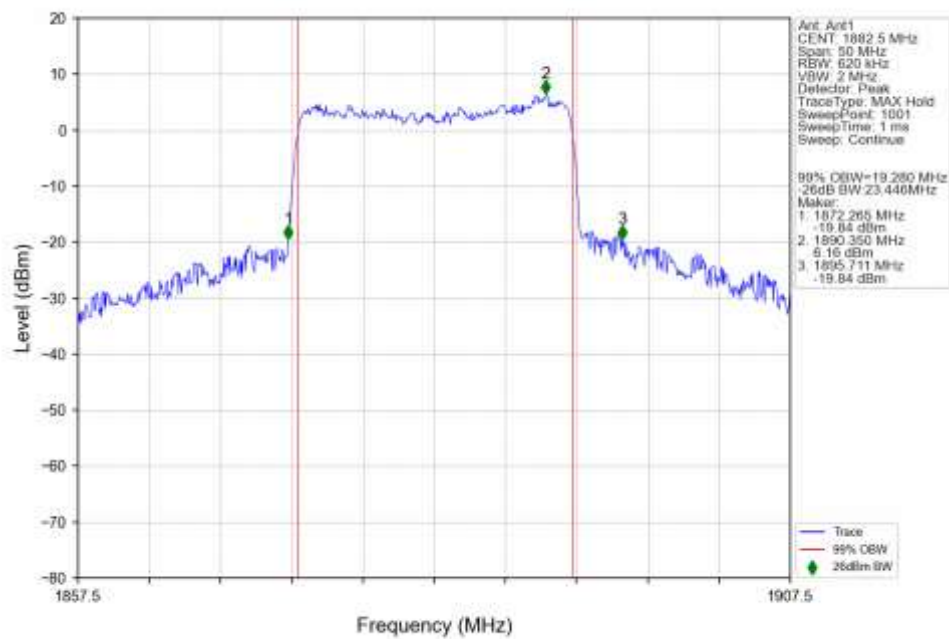
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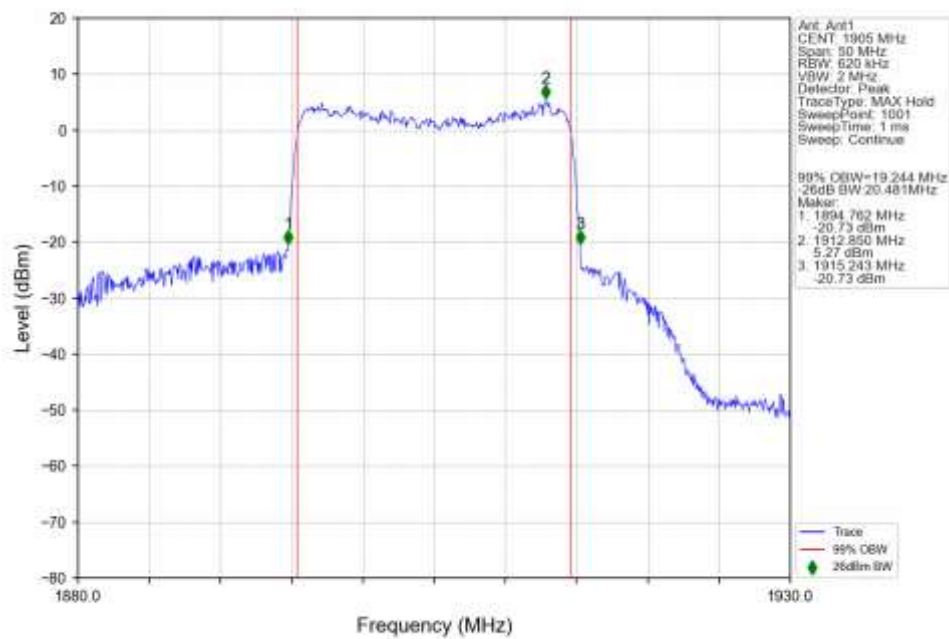
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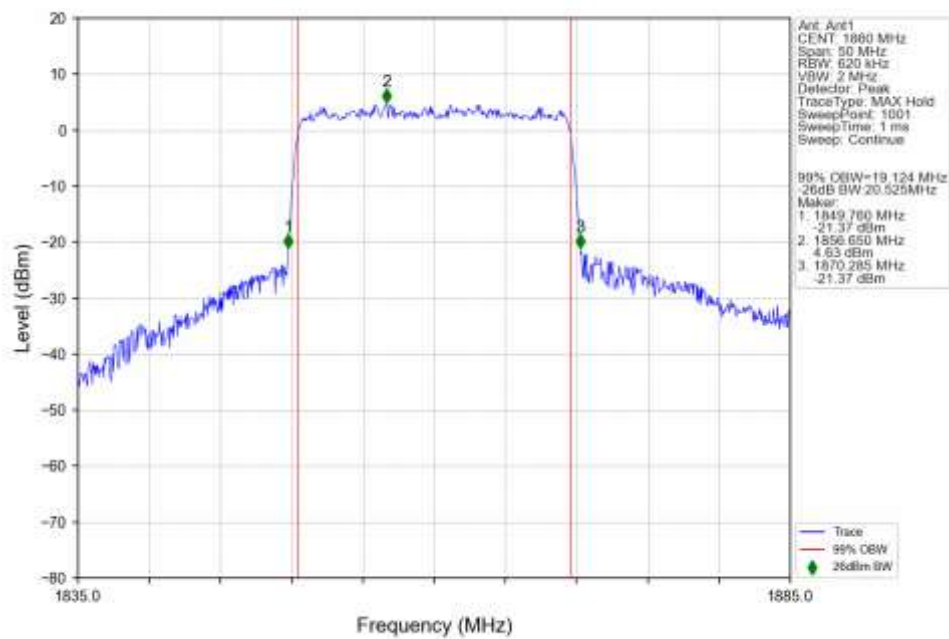
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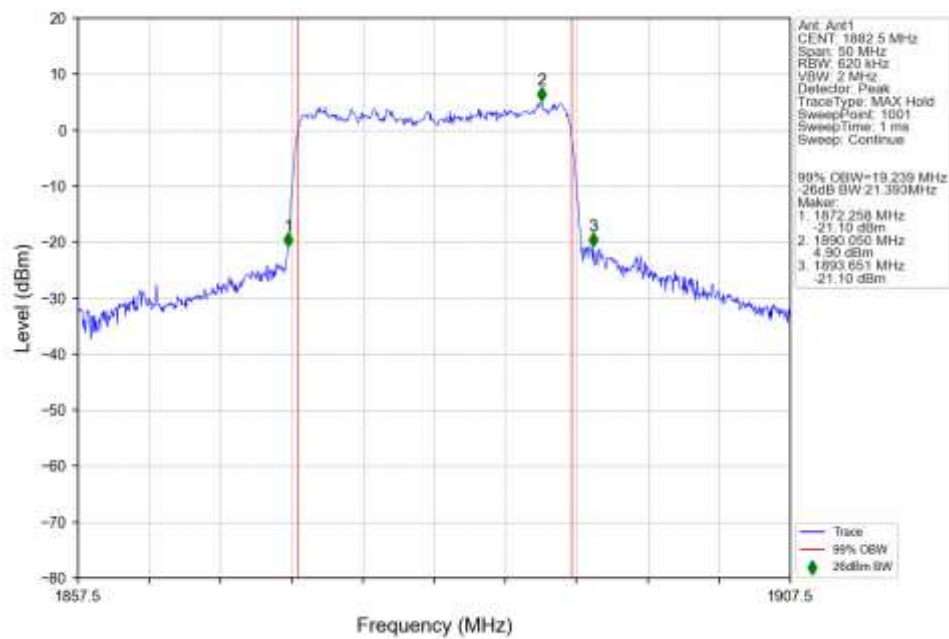
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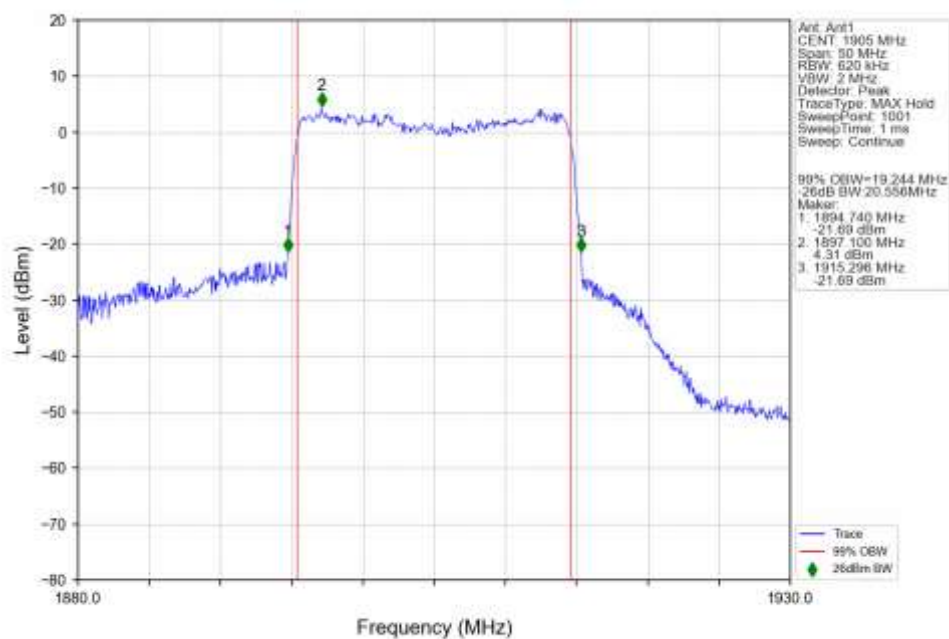
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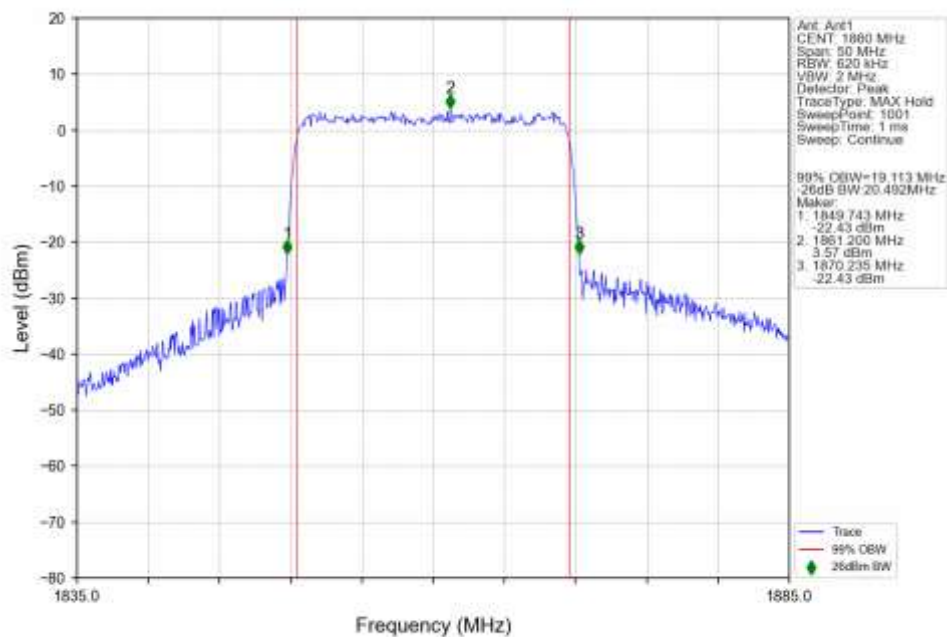
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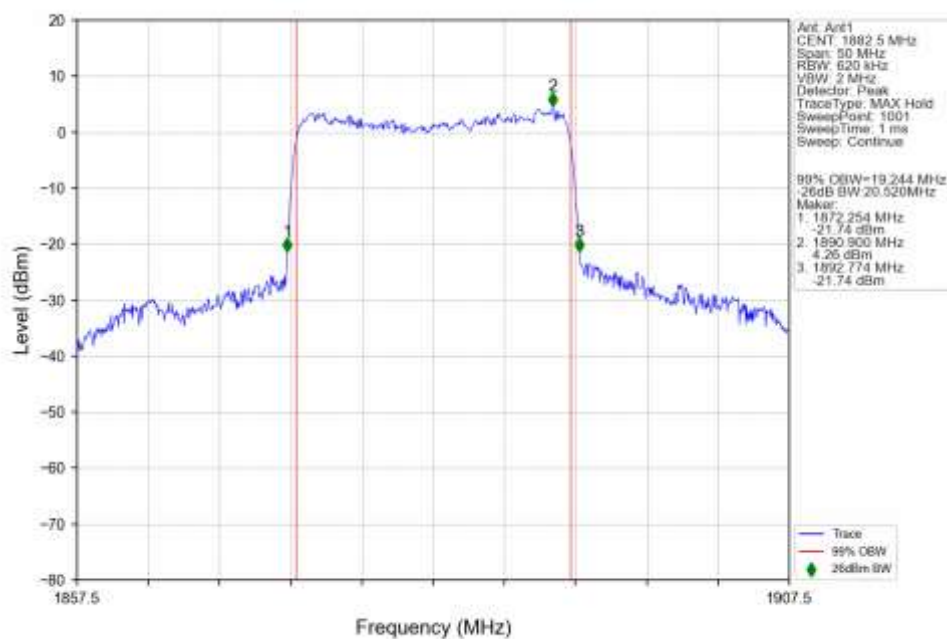
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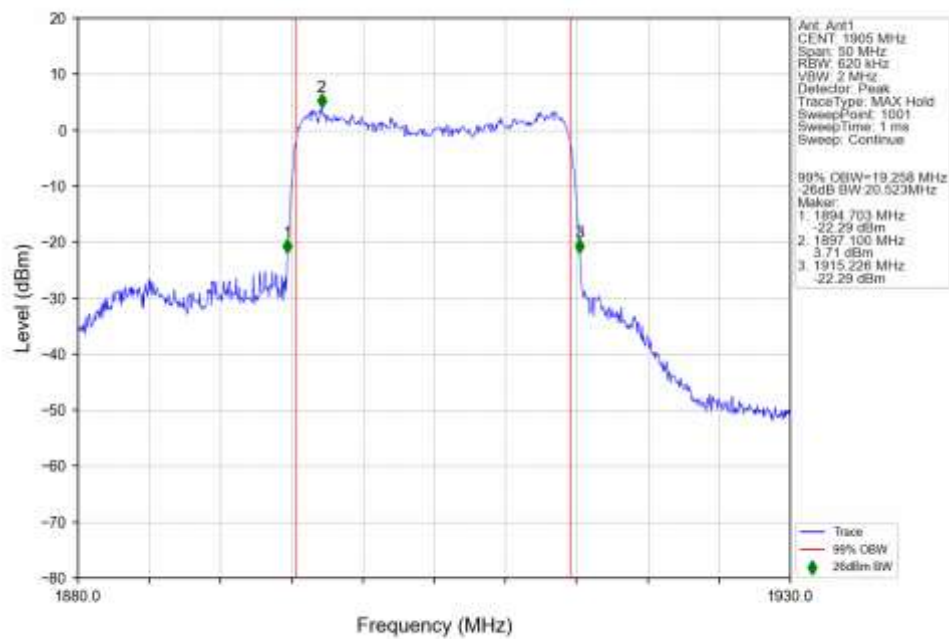
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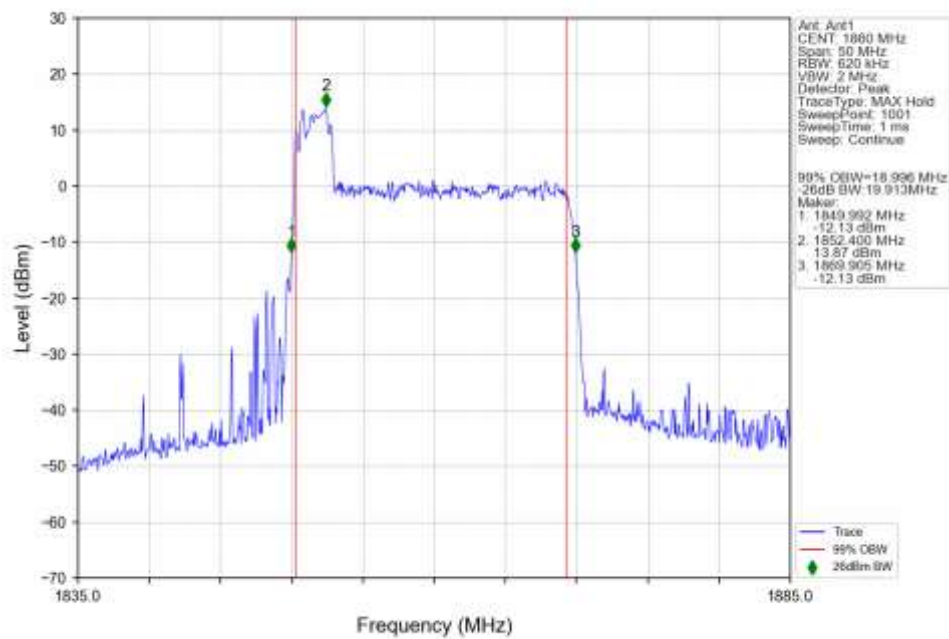
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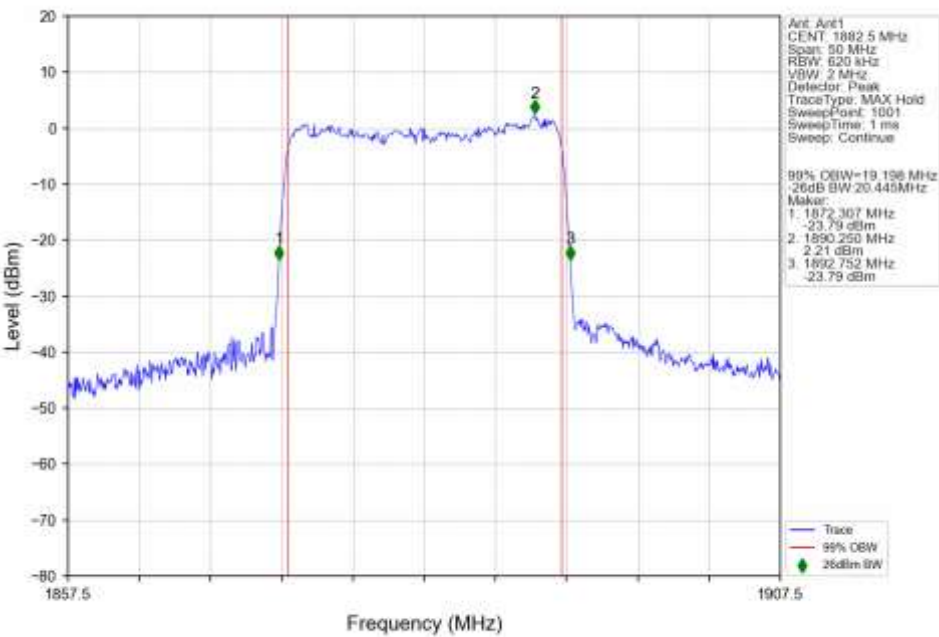
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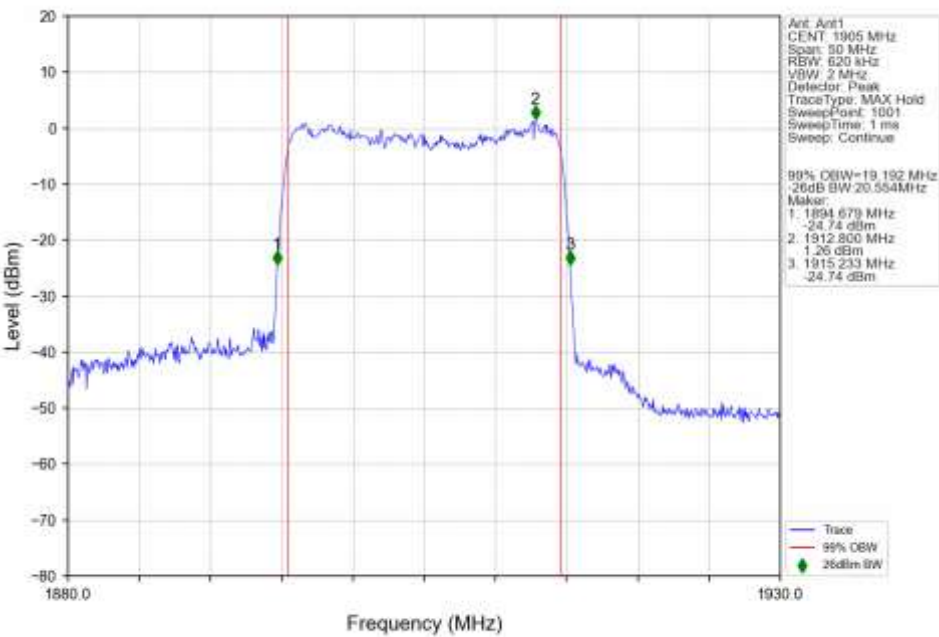
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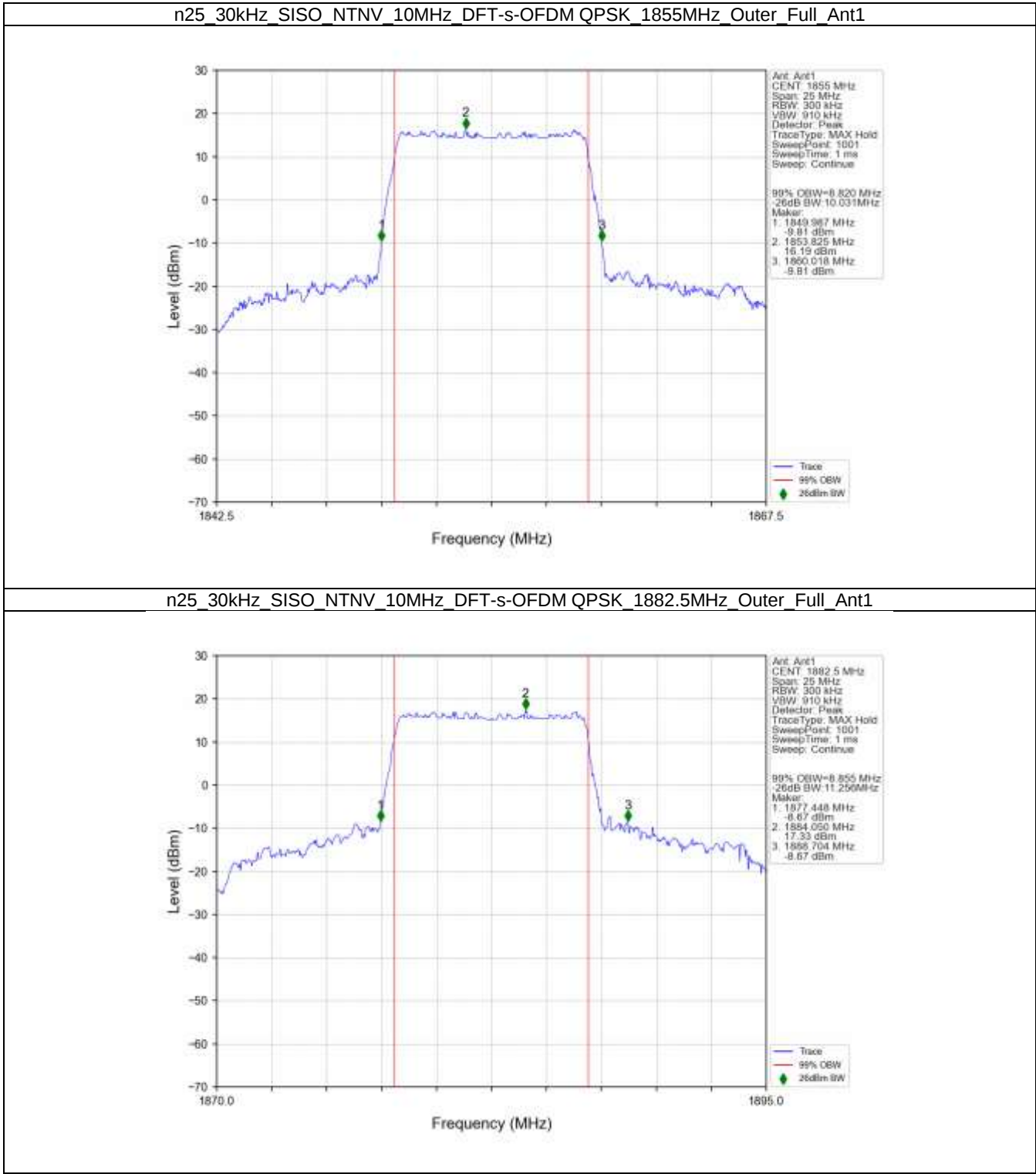
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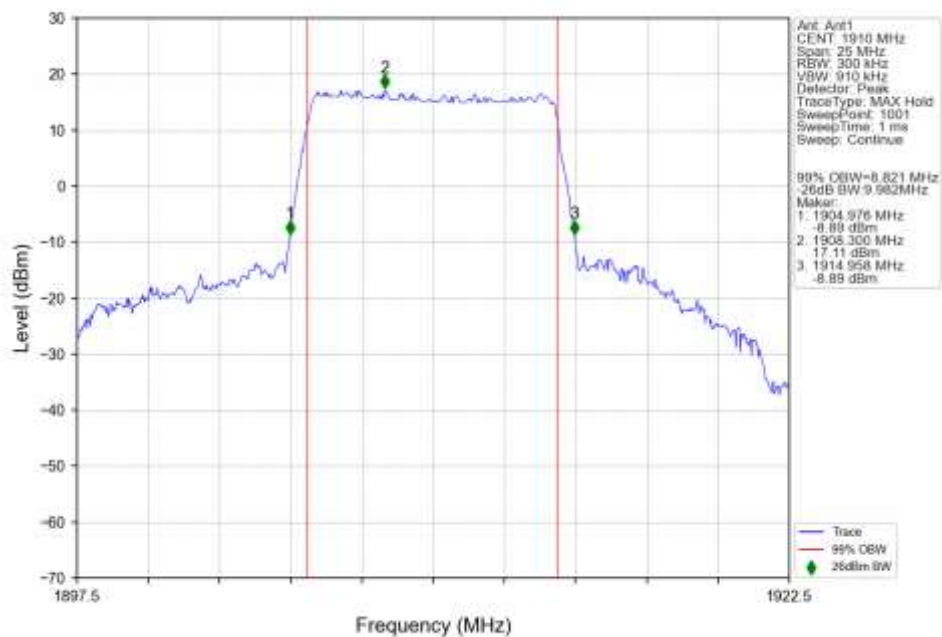
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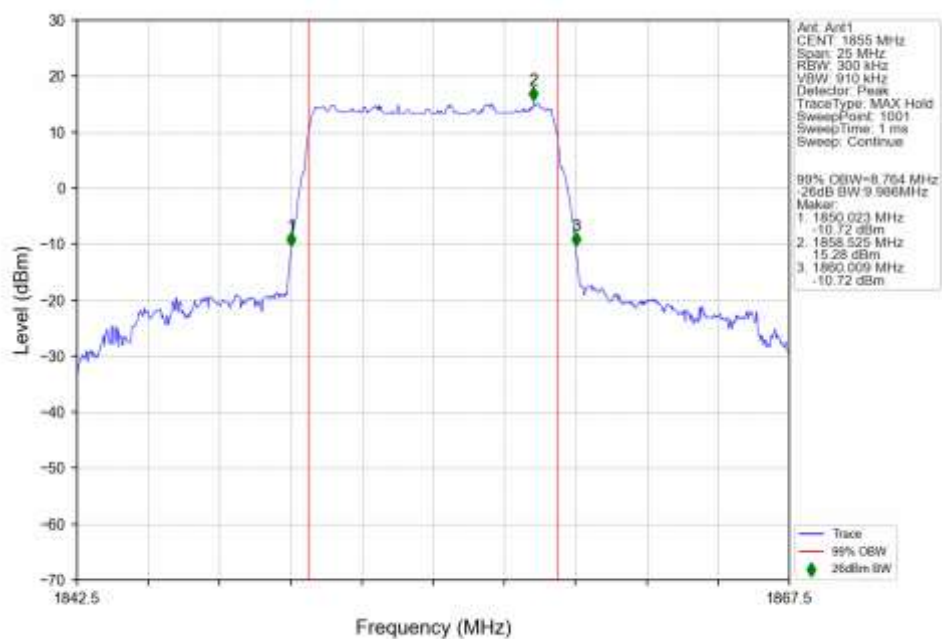
4.2.5 30k_SISO_10MHz_NTNV



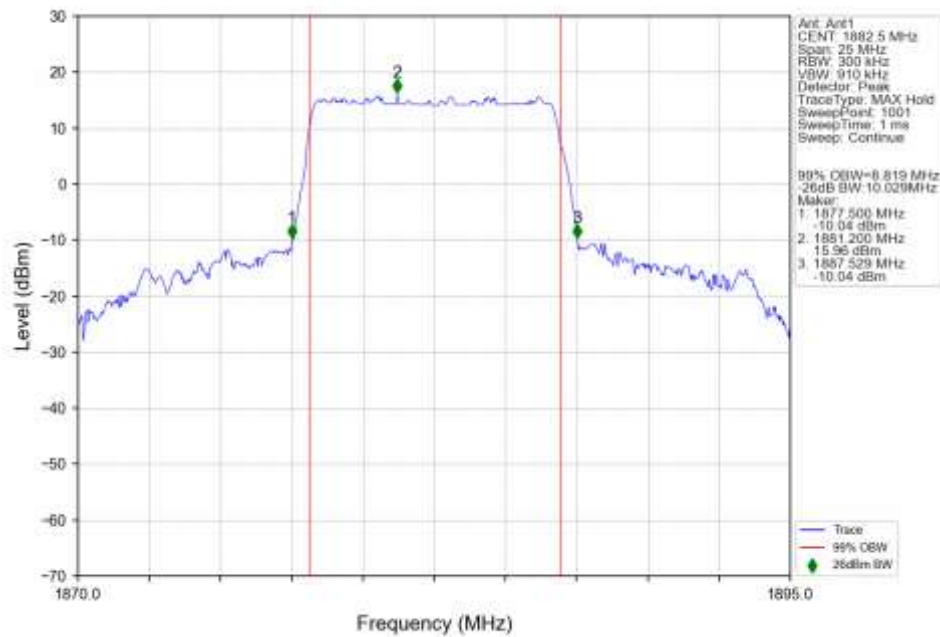
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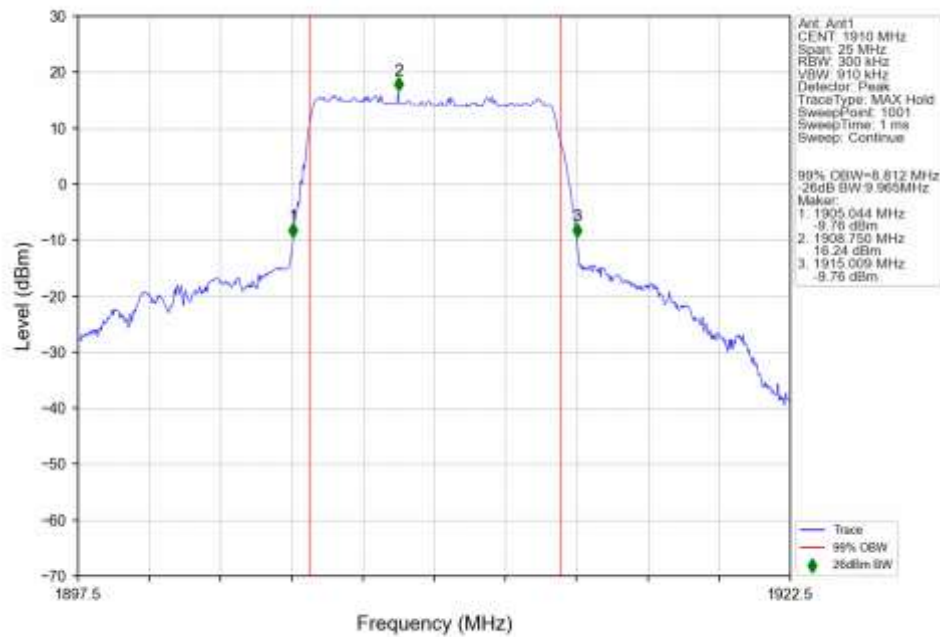
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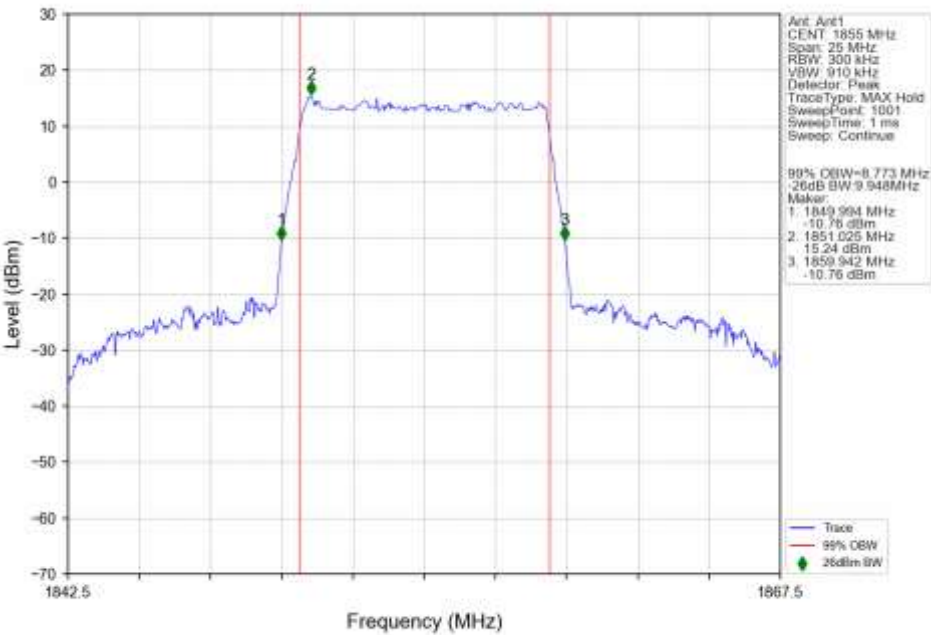
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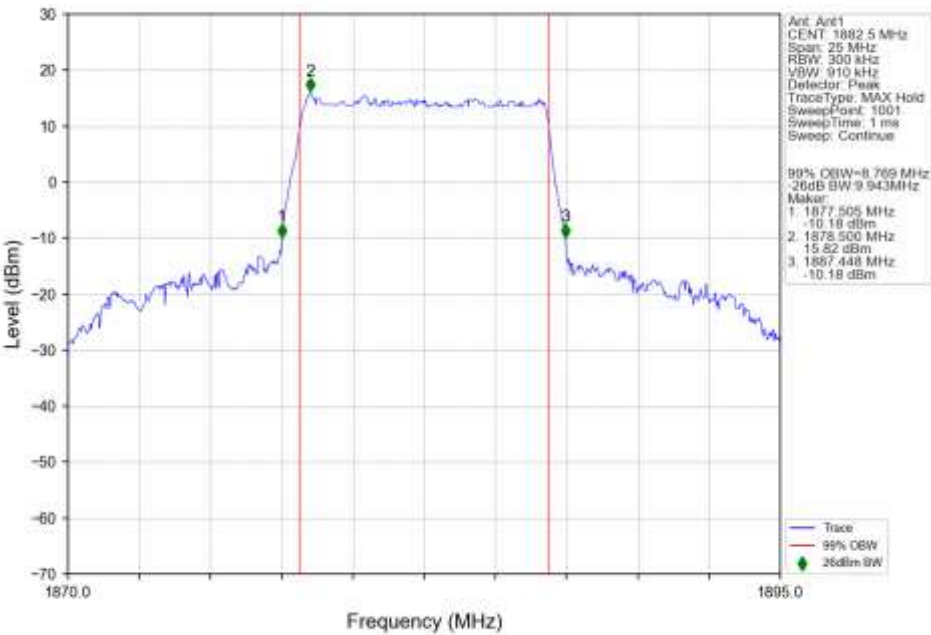
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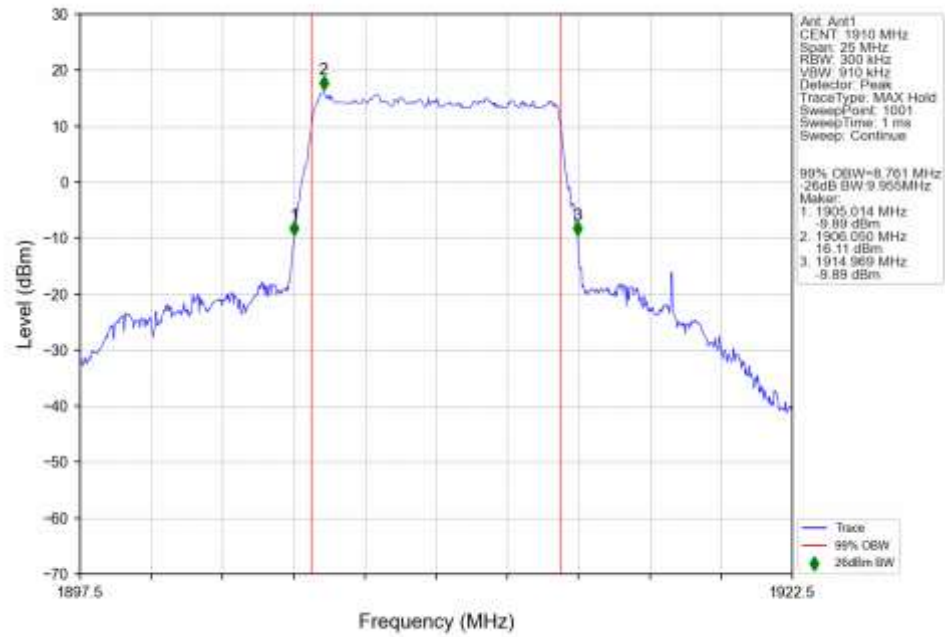
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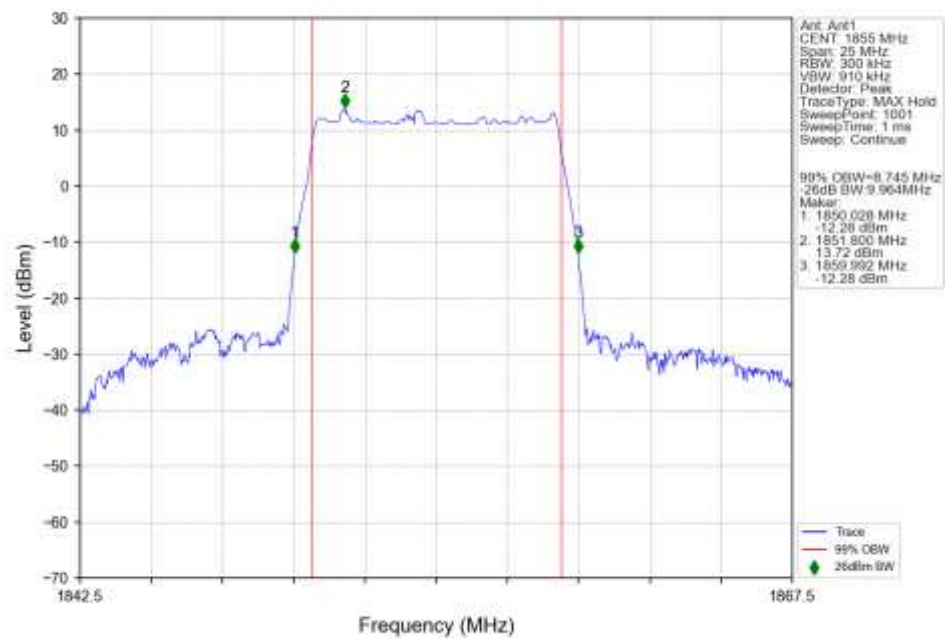
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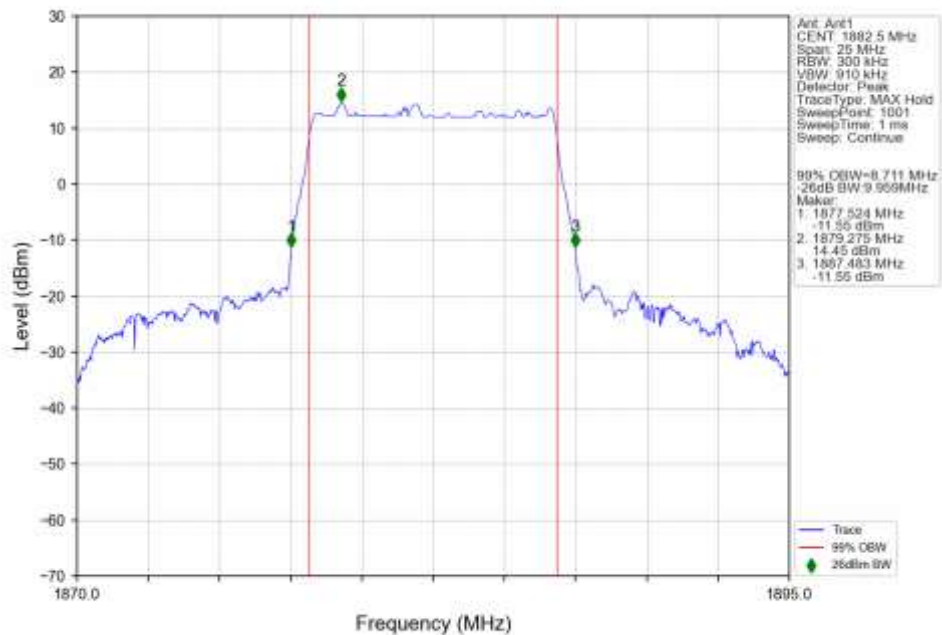
n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1910MHz_Outer_Full_Ant1



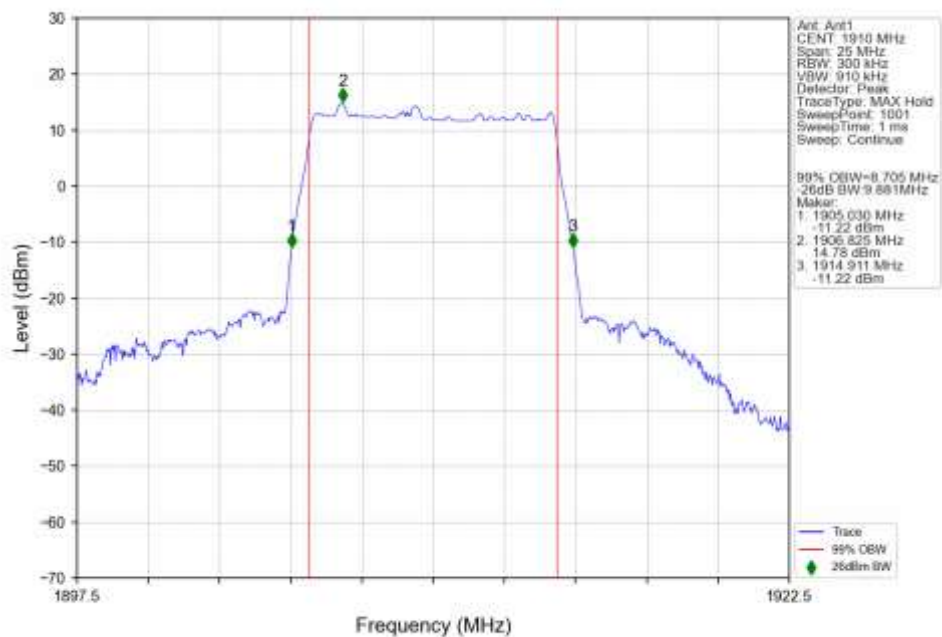
n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_1855MHz_Outer_Full_Ant1



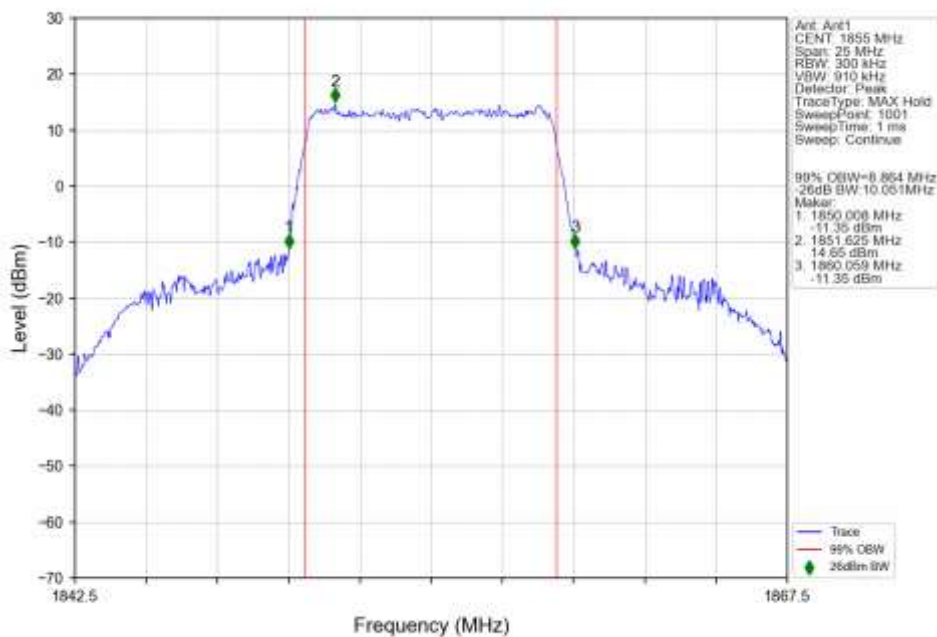
n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1



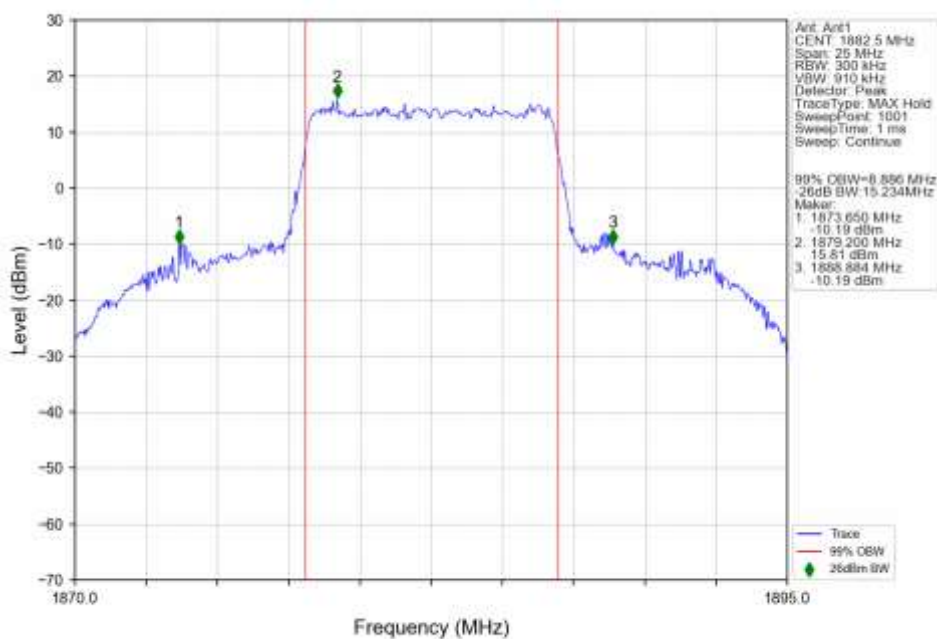
n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_1910MHz_Outer_Full_Ant1



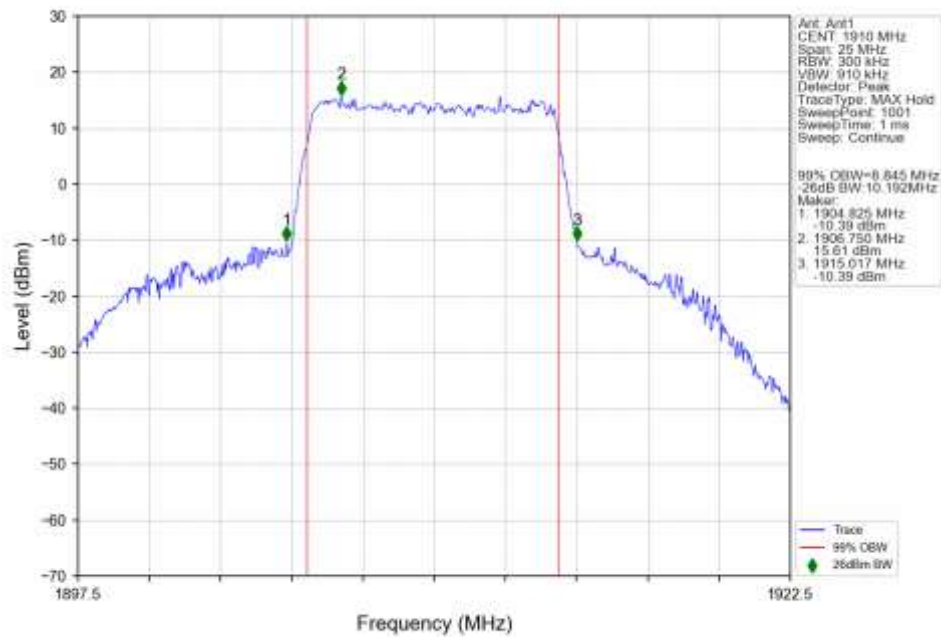
n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1855MHz_Outer_Full_Ant1



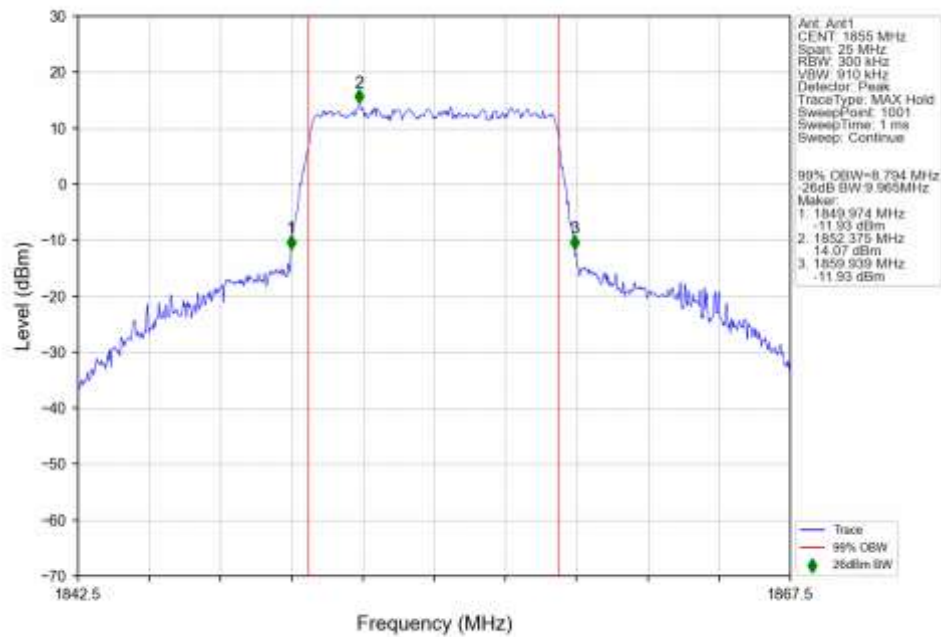
n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1882.5MHz_Outer_Full_Ant1



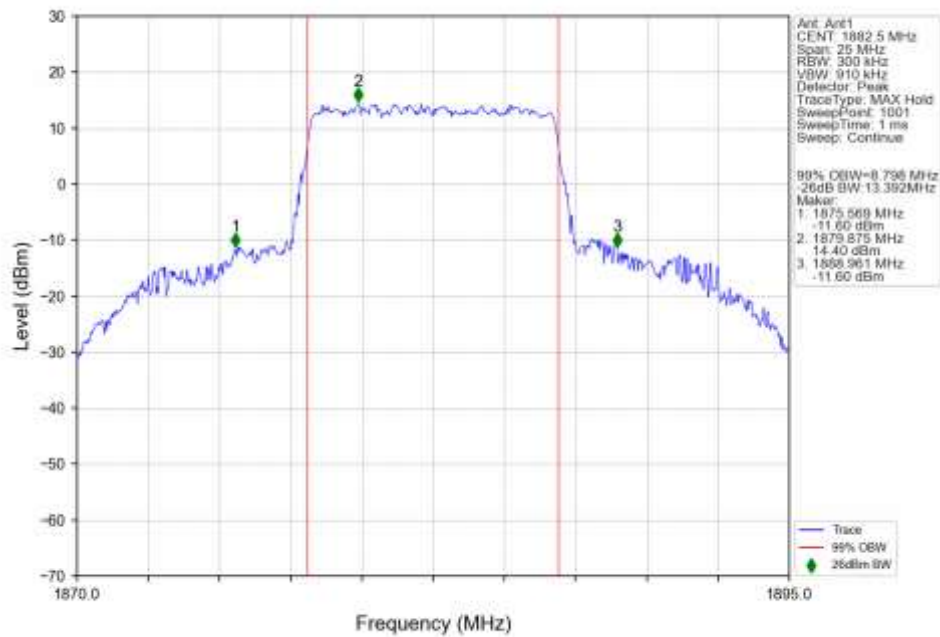
n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1910MHz_Outer_Full_Ant1



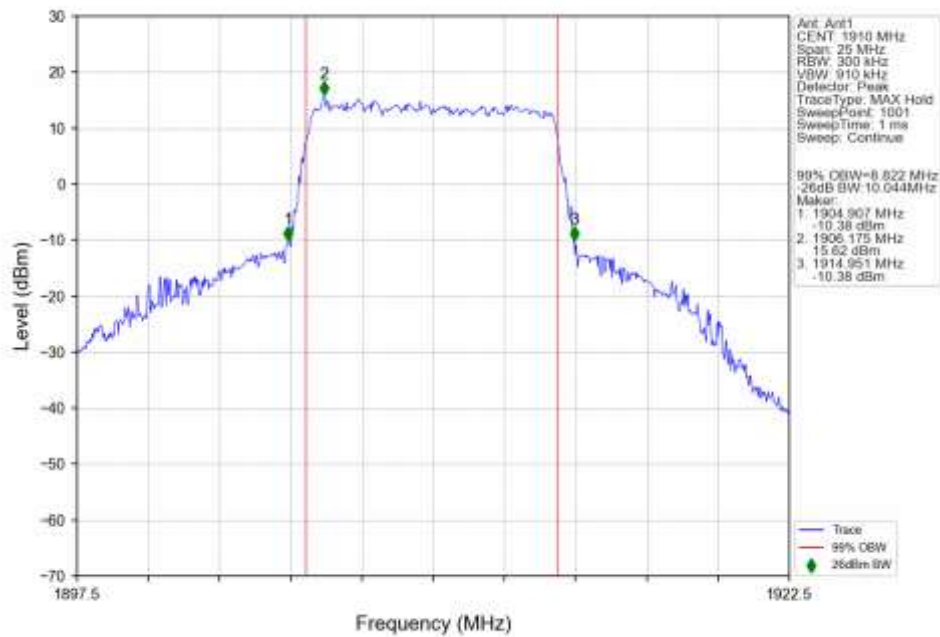
n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_1855MHz_Outer_Full_Ant1



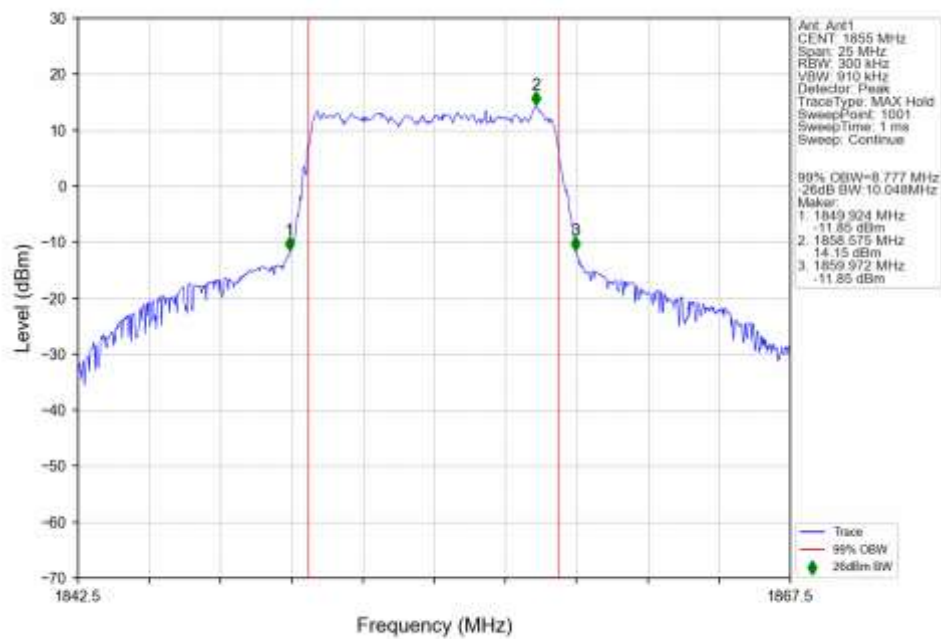
n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full_Ant1



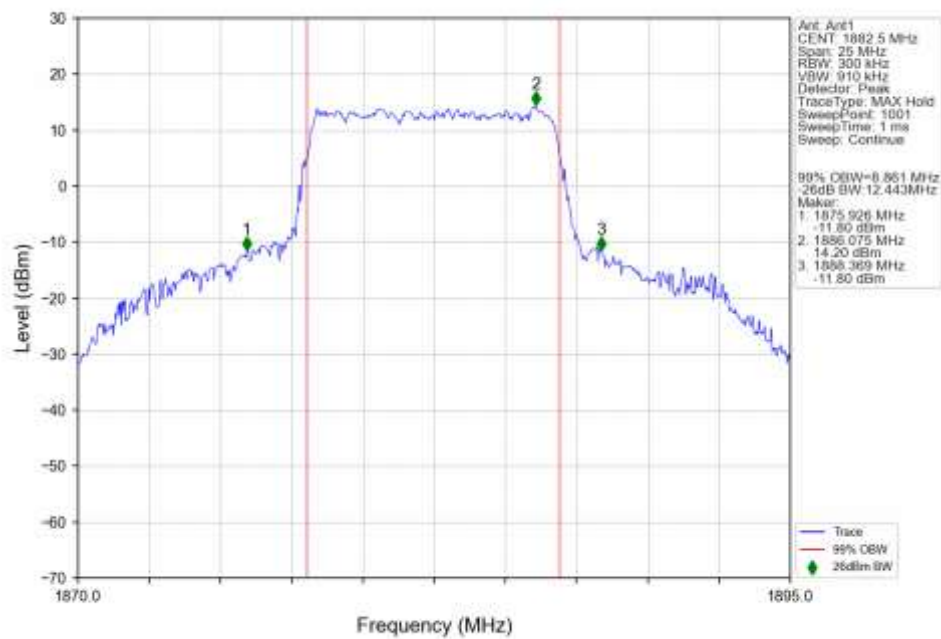
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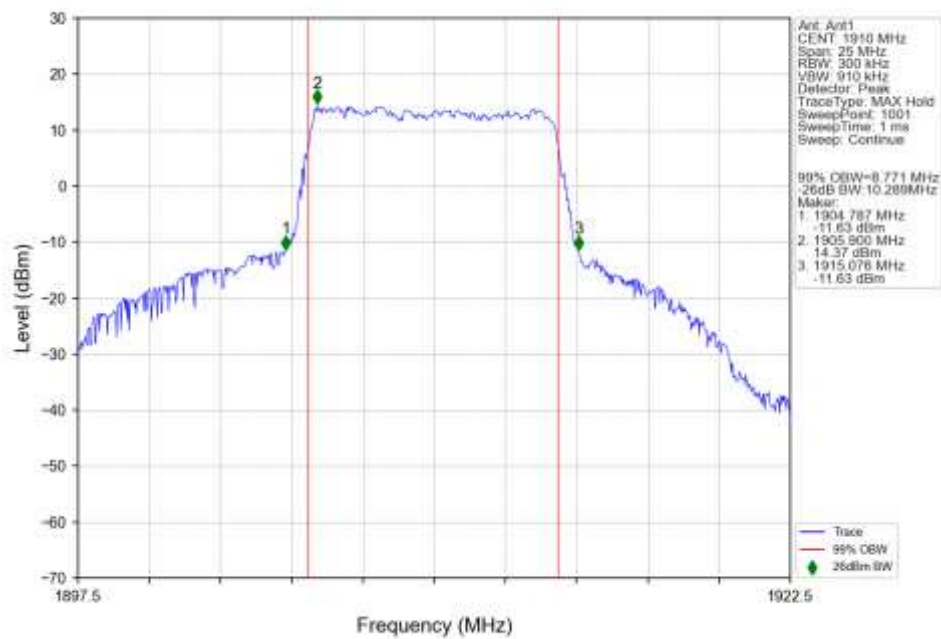
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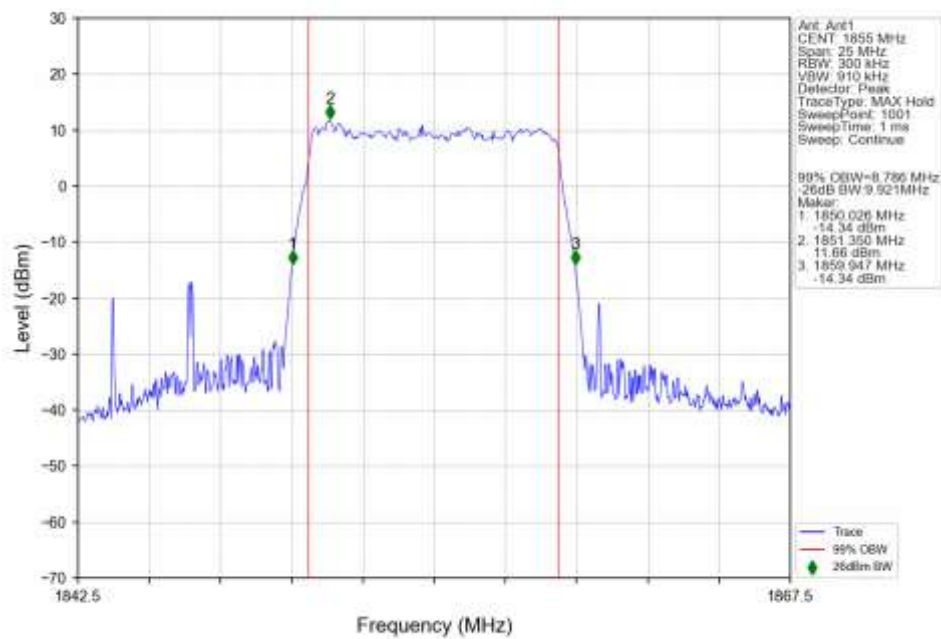
n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_1882.5MHz_Outer_Full_Ant1



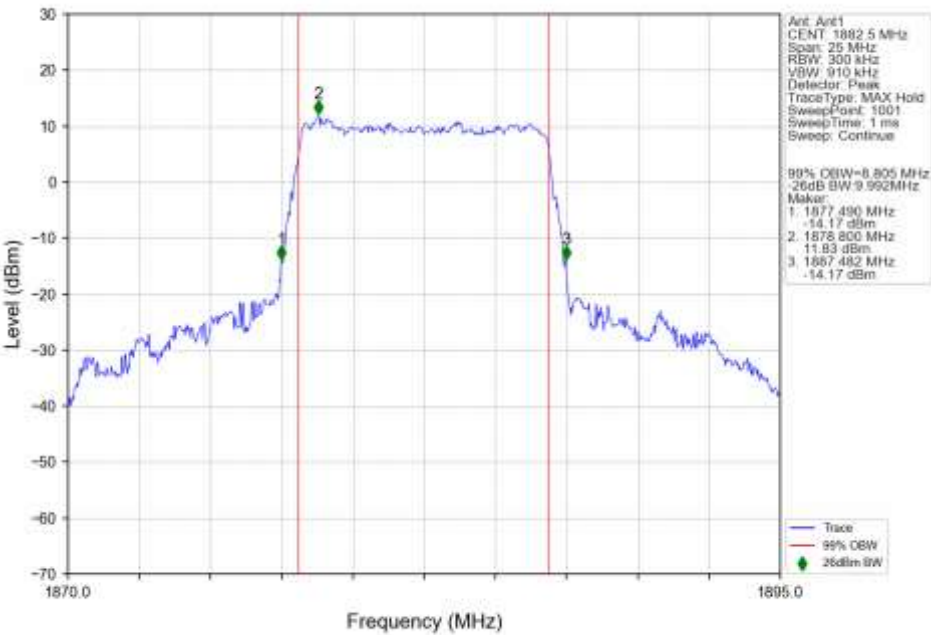
n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_1910MHz_Outer_Full_Ant1



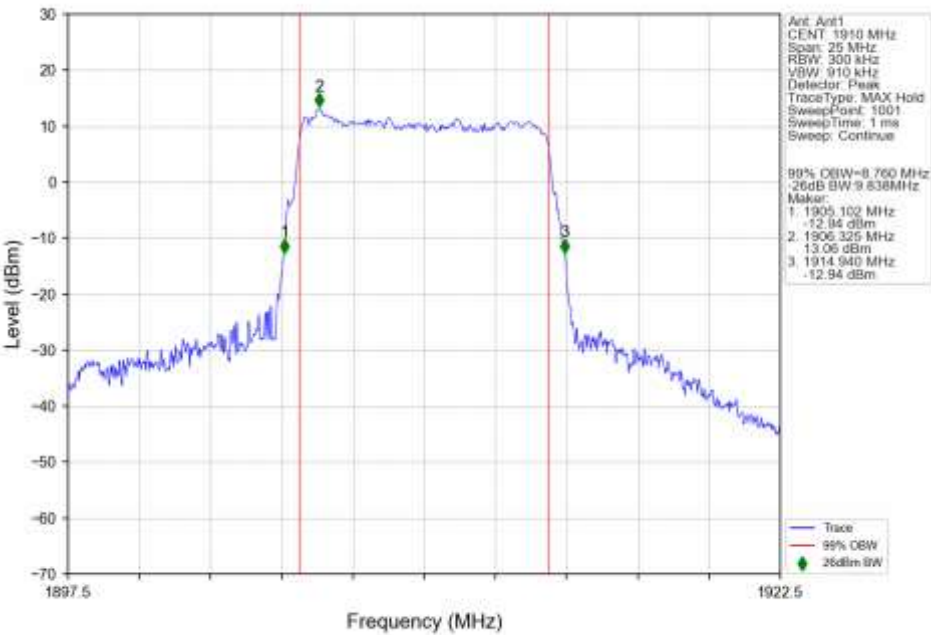
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n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1

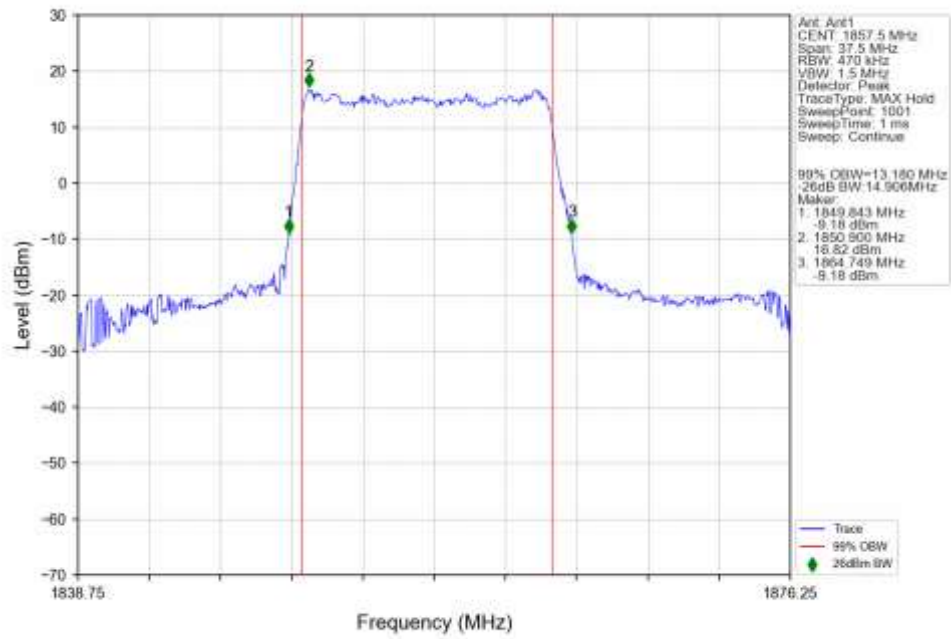


n25_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_1910MHz_Outer_Full_Ant1

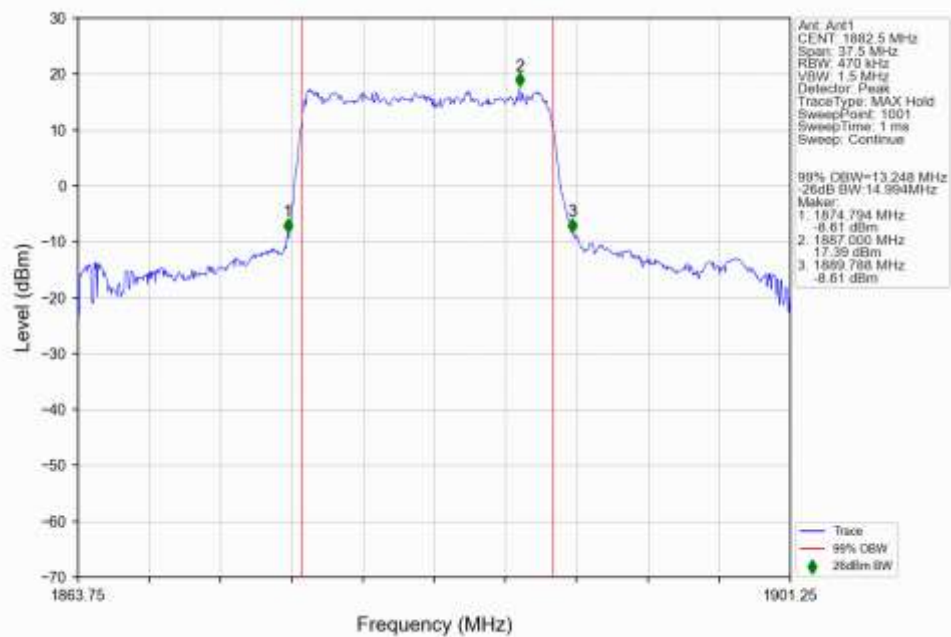


4.2.6 30k_SISO_15MHz_NTNV

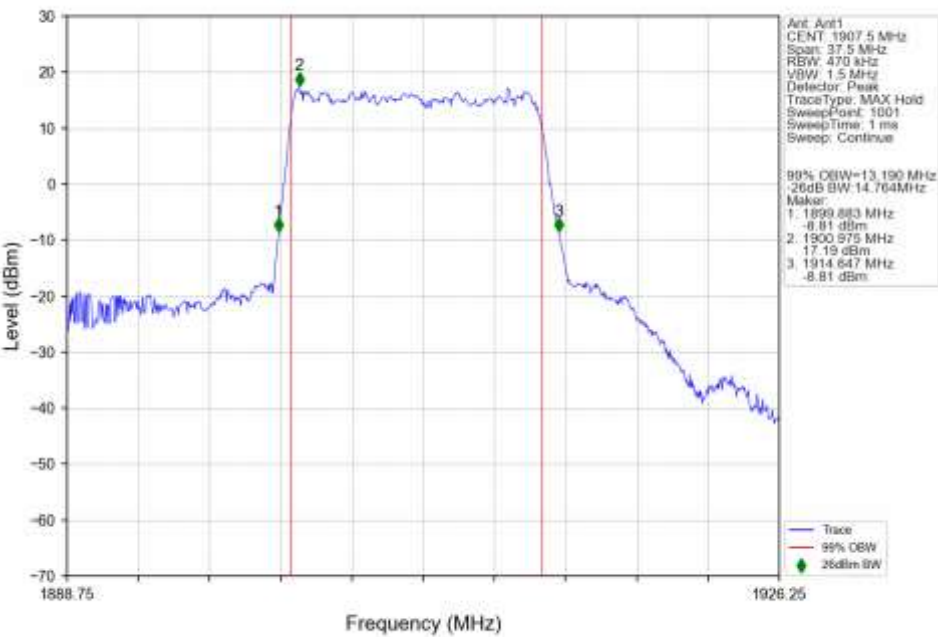
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1857.5MHz_Outer_Full_Ant1



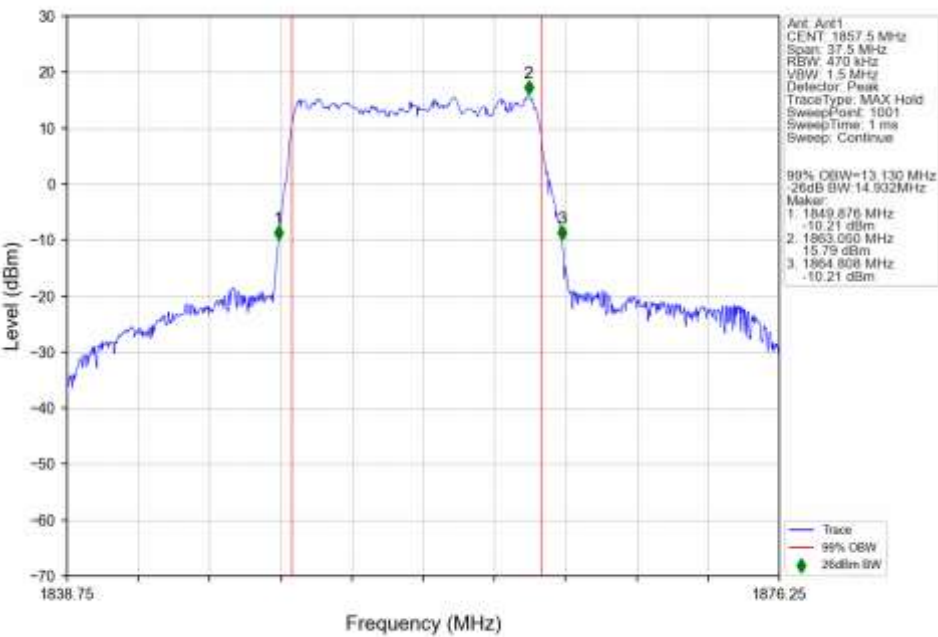
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1882.5MHz_Outer_Full_Ant1



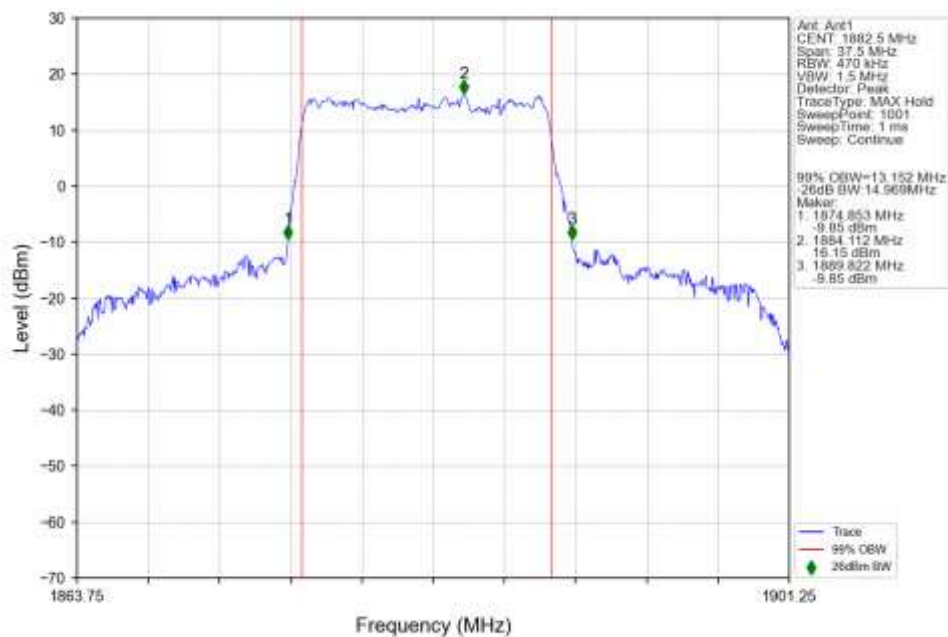
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_1907.5MHz_Outer_Full_Ant1



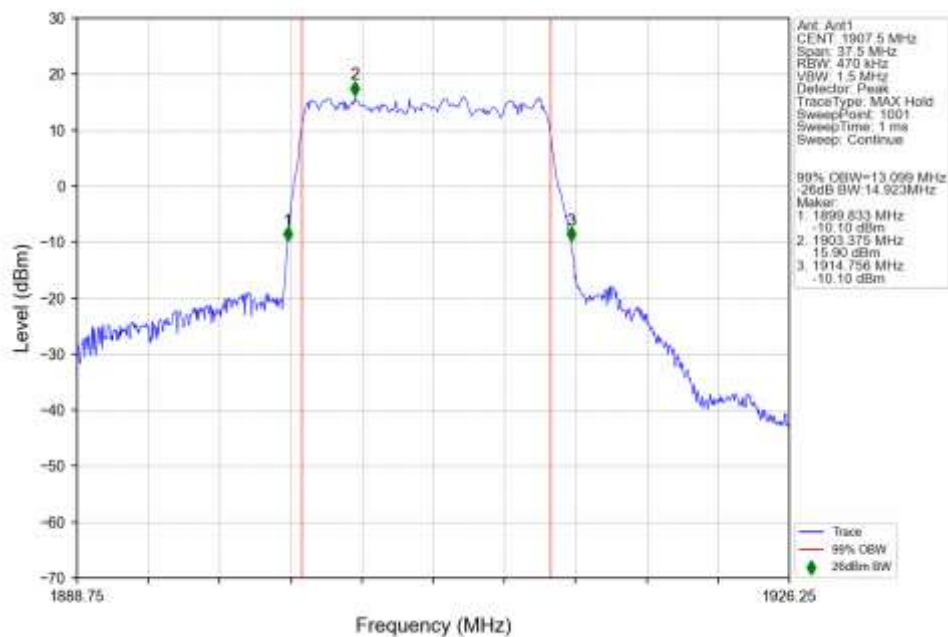
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_1857.5MHz_Outer_Full_Ant1



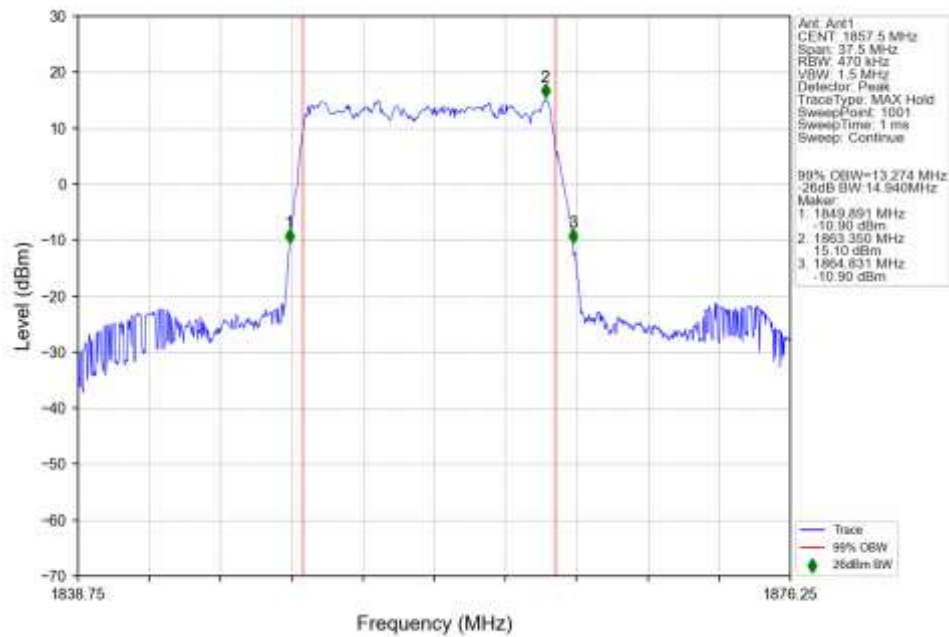
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full_Ant1



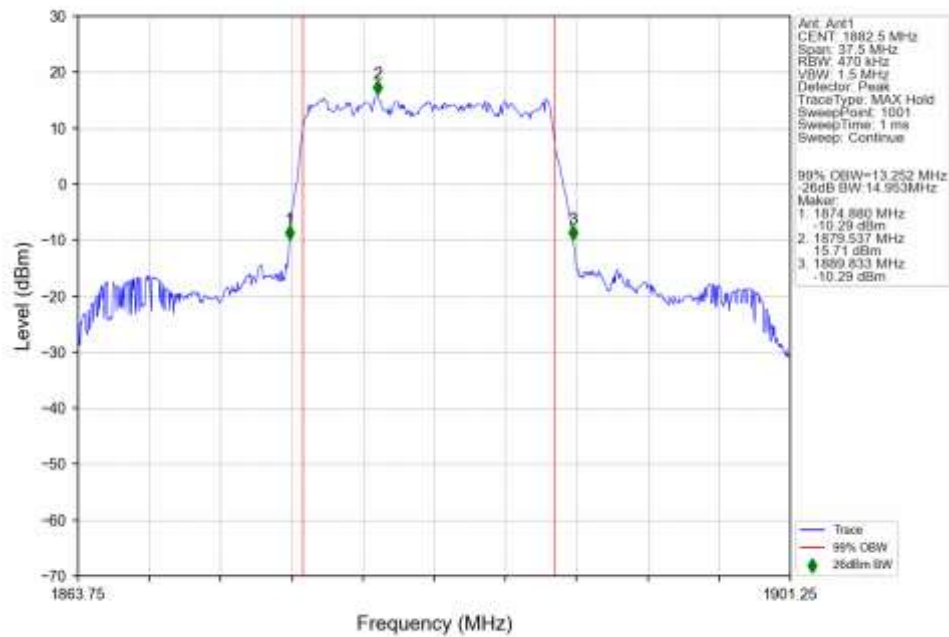
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_1907.5MHz_Outer_Full_Ant1



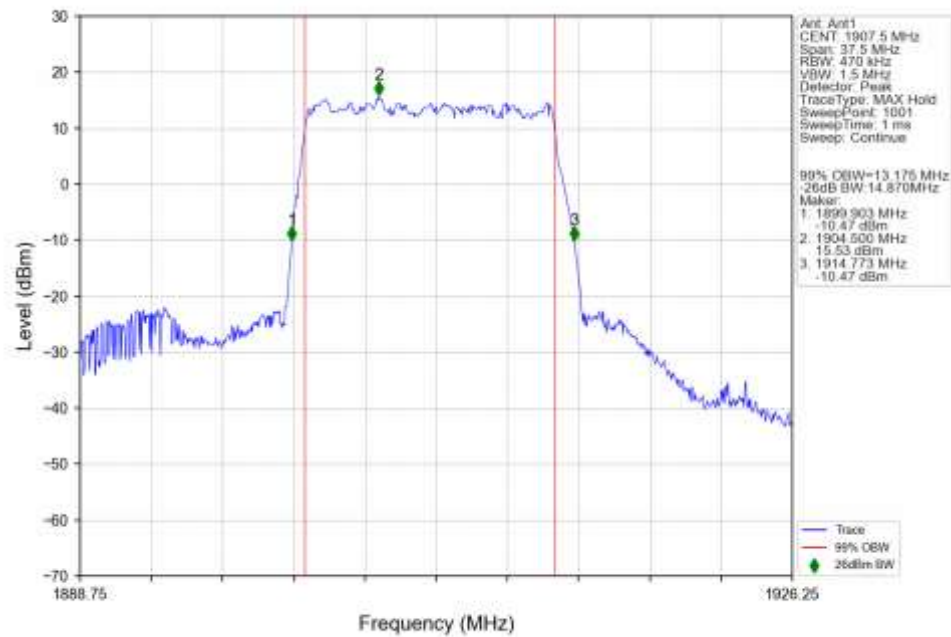
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_1857.5MHz_Outer_Full_Ant1



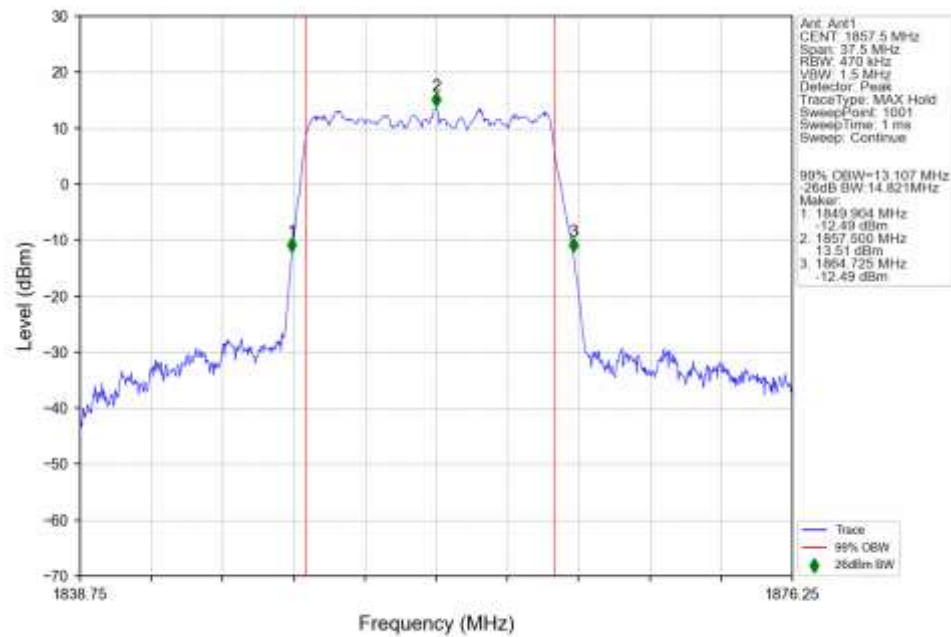
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_1882.5MHz_Outer_Full_Ant1



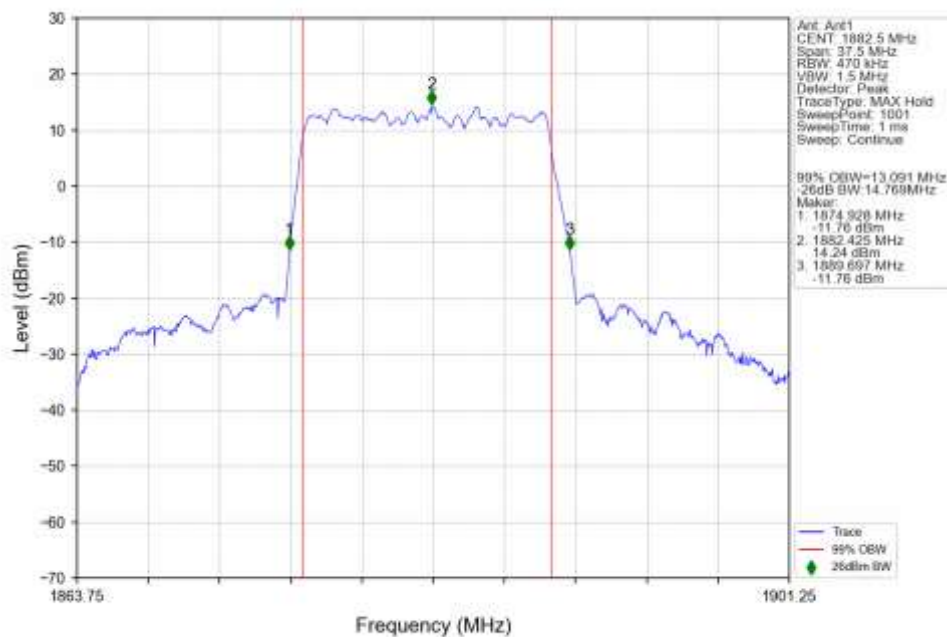
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_1907.5MHz_Outer_Full_Ant1



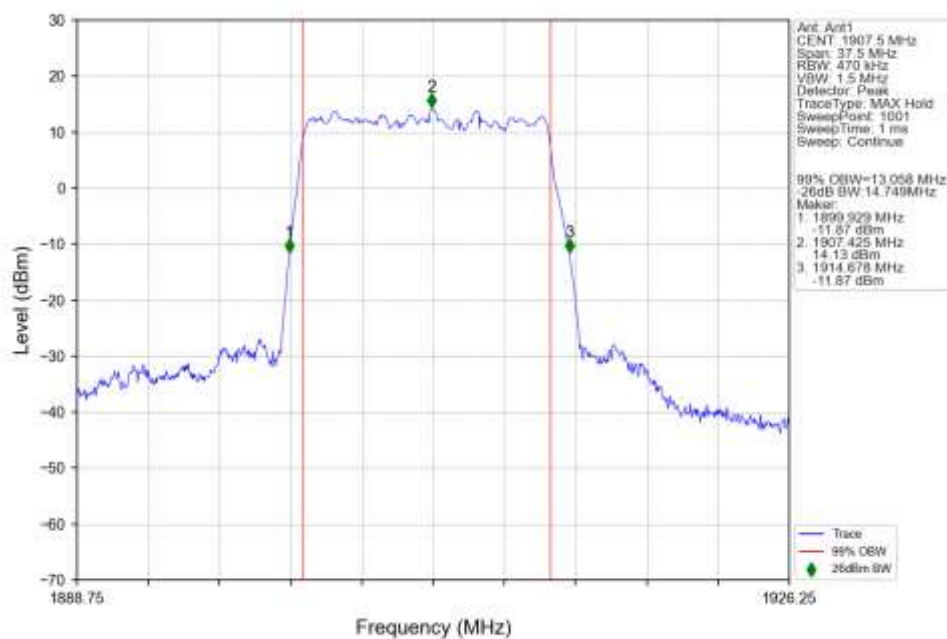
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1857.5MHz_Outer_Full_Ant1



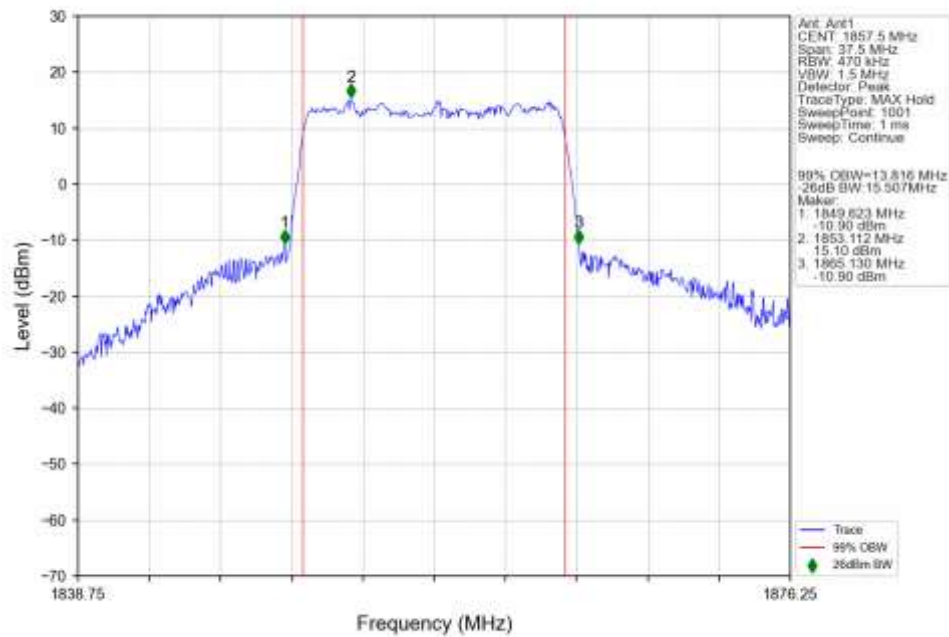
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1



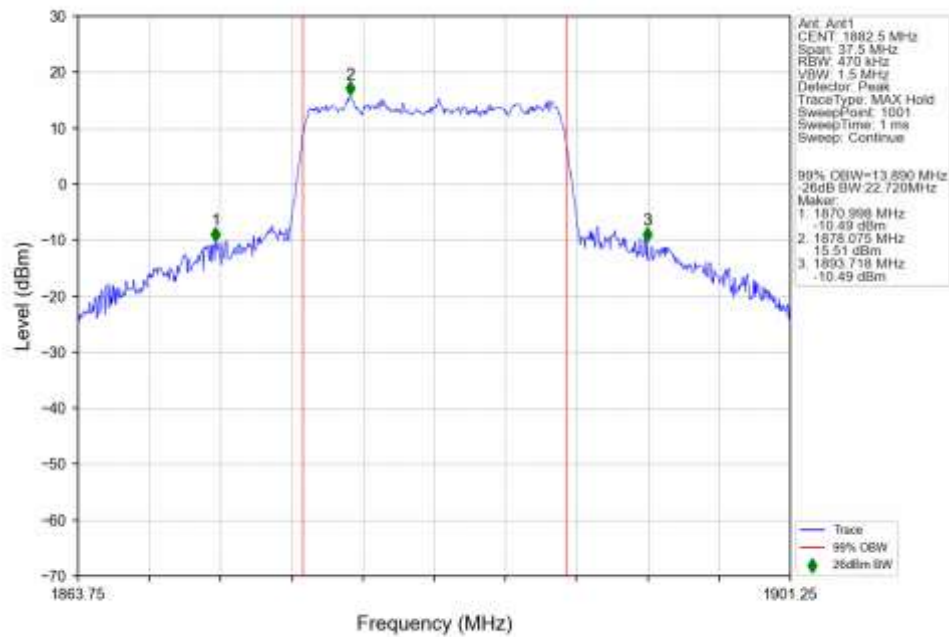
n25_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1907.5MHz_Outer_Full_Ant1



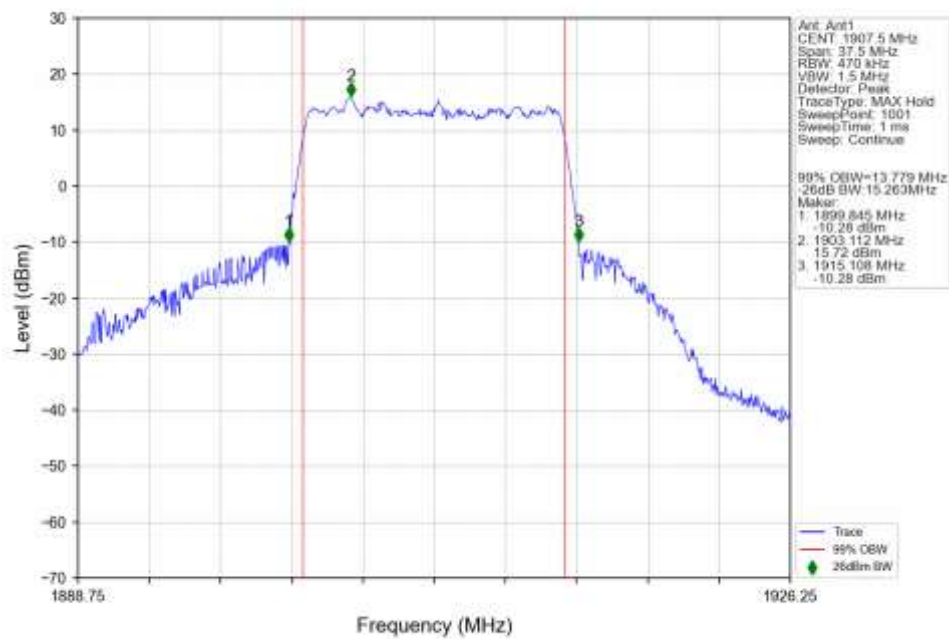
n25 30kHz SISO NTN 15MHz CP-OFDM QPSK 1857.5MHz Outer_Full Ant1



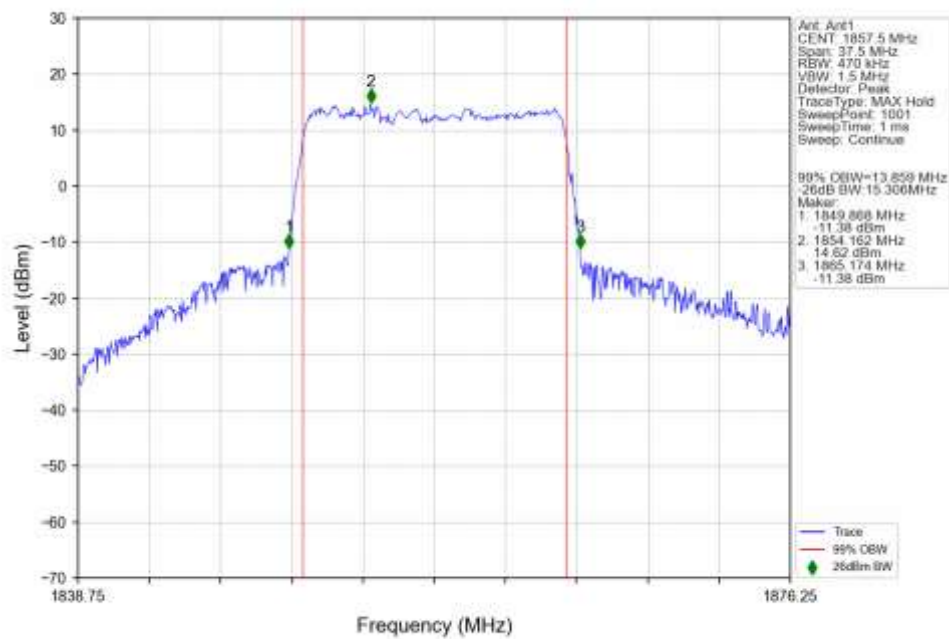
n25 30kHz SISO NTN 15MHz CP-OFDM QPSK 1882.5MHz Outer_Full Ant1



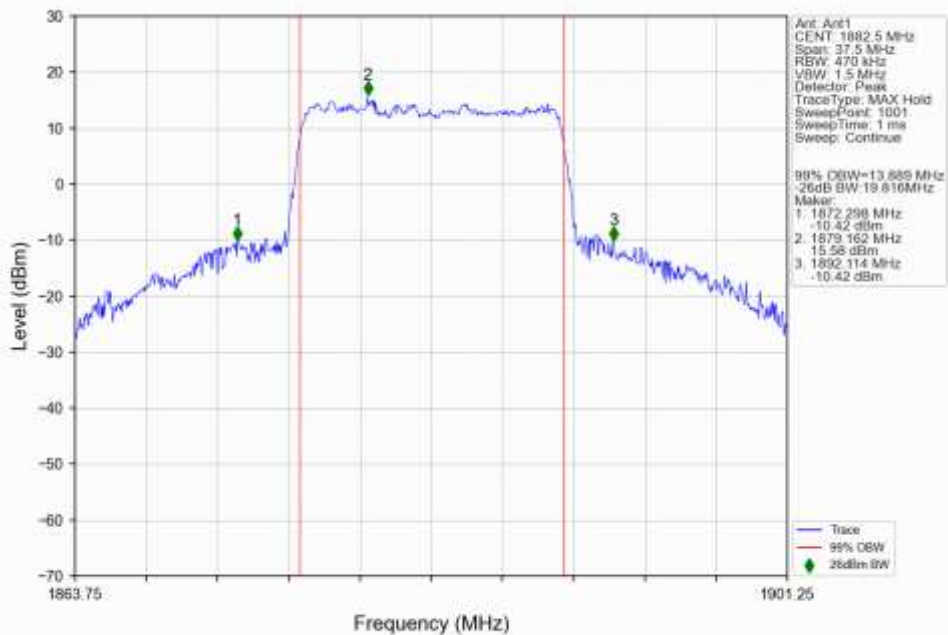
n25 30kHz SISO NTN 15MHz CP-OFDM QPSK 1907.5MHz Outer Full Ant1



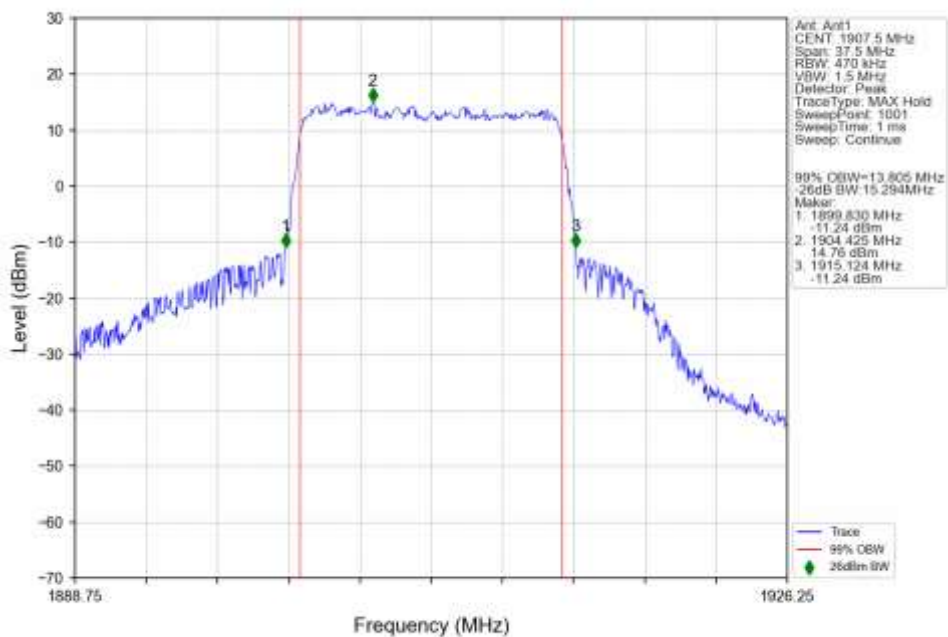
n25 30kHz SISO NTN 15MHz CP-OFDM 16 QAM 1857.5MHz Outer Full Ant1



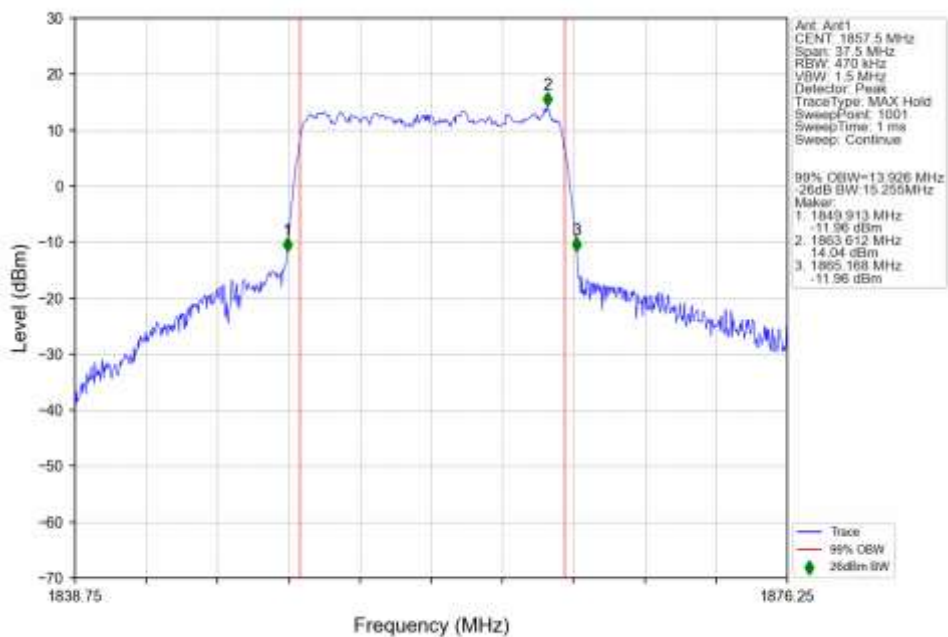
n25_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full_Ant1



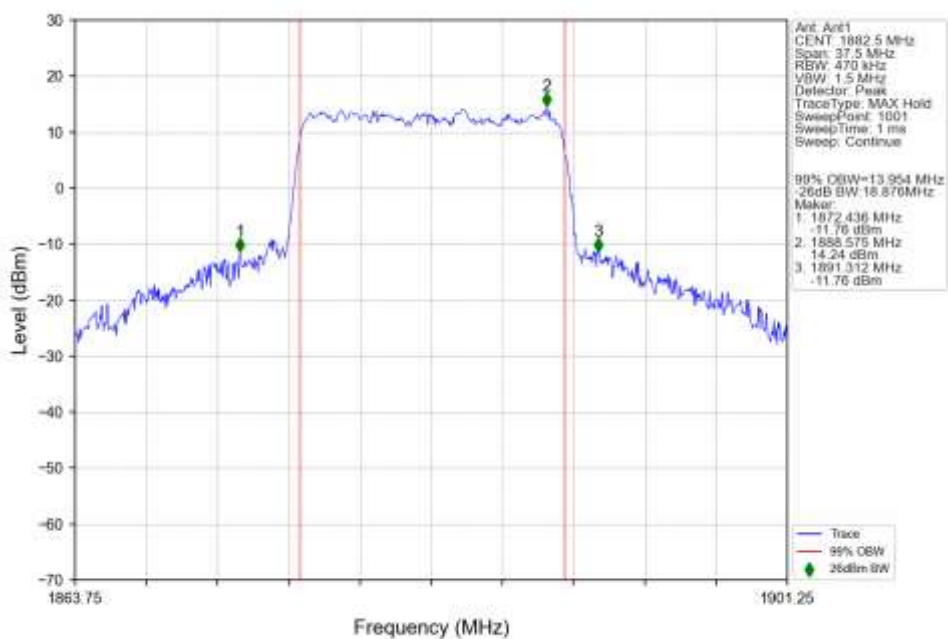
n25_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_1907.5MHz_Outer_Full_Ant1



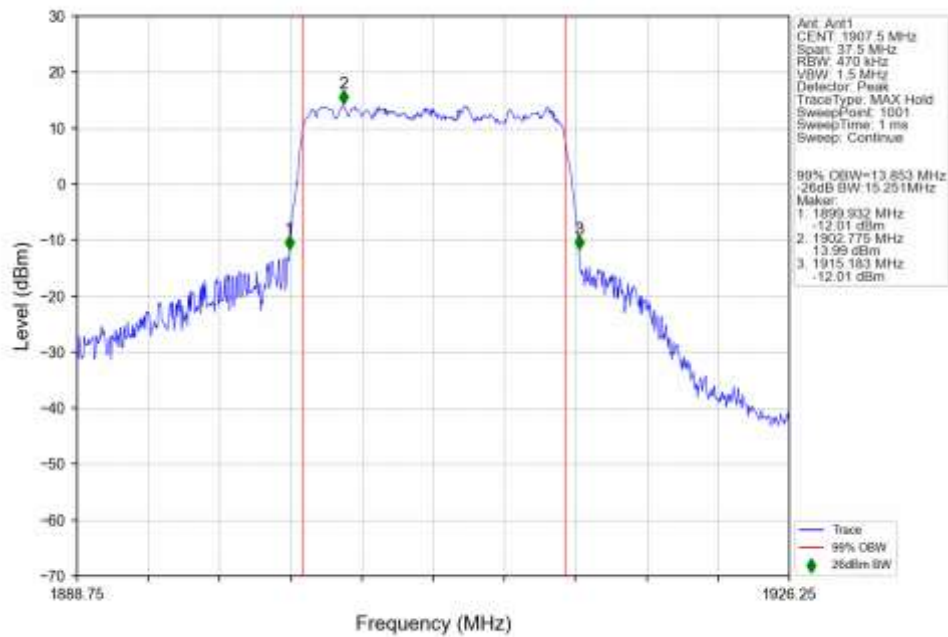
n25_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_1857.5MHz_Outer_Full_Ant1



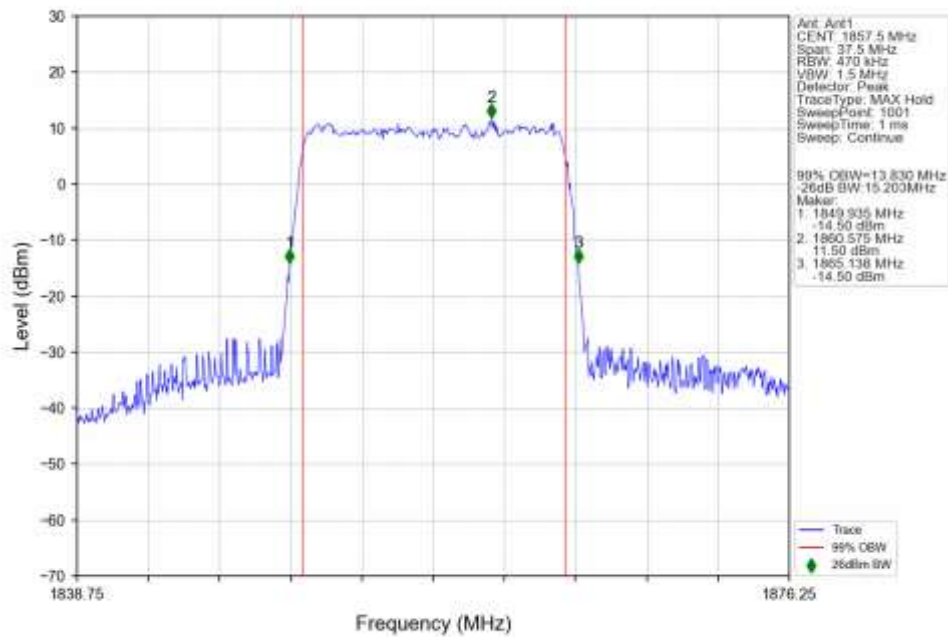
n25_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_1882.5MHz_Outer_Full_Ant1



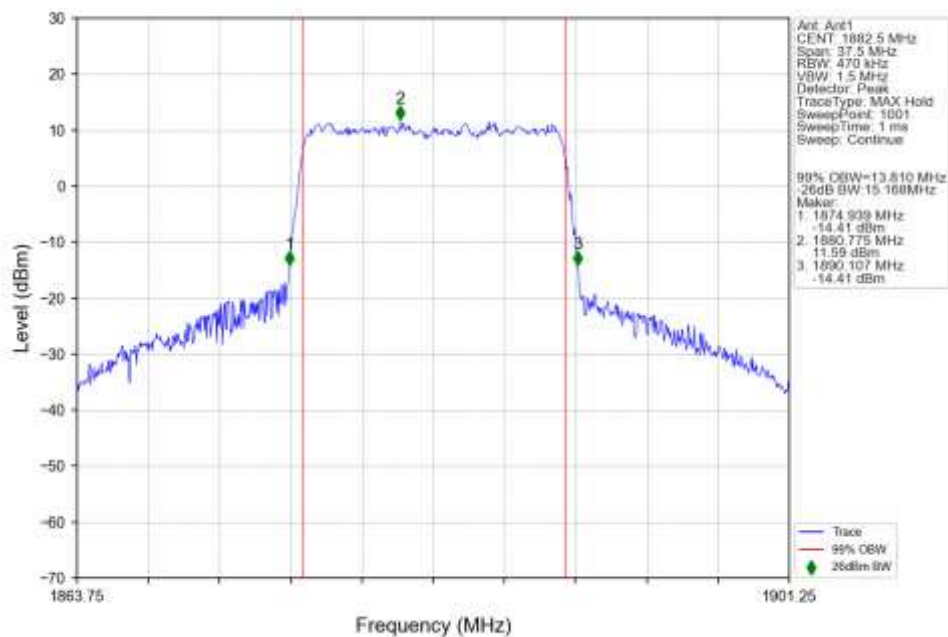
n25_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_1907.5MHz_Outer_Full_Ant1



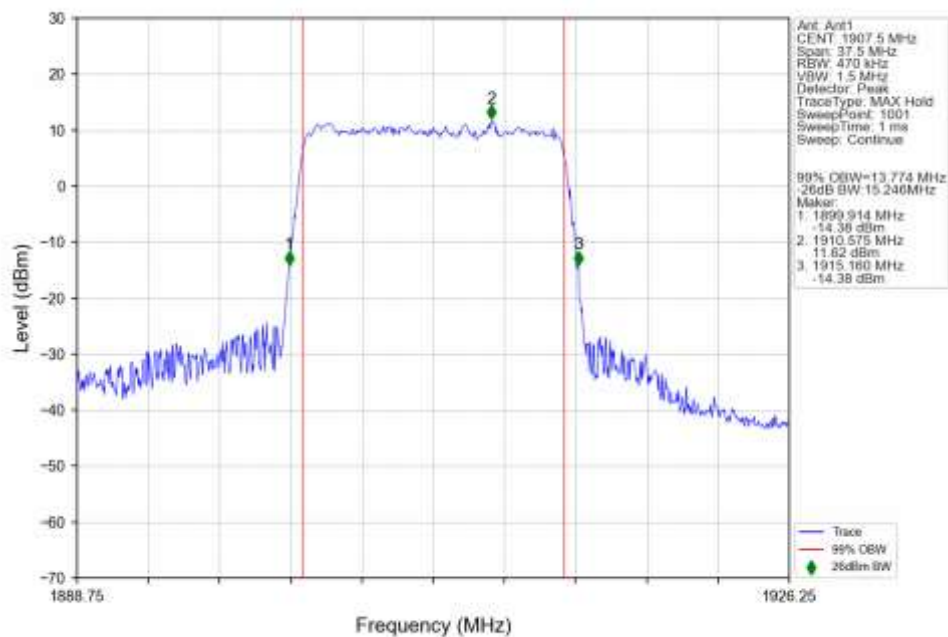
n25_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1857.5MHz_Outer_Full_Ant1



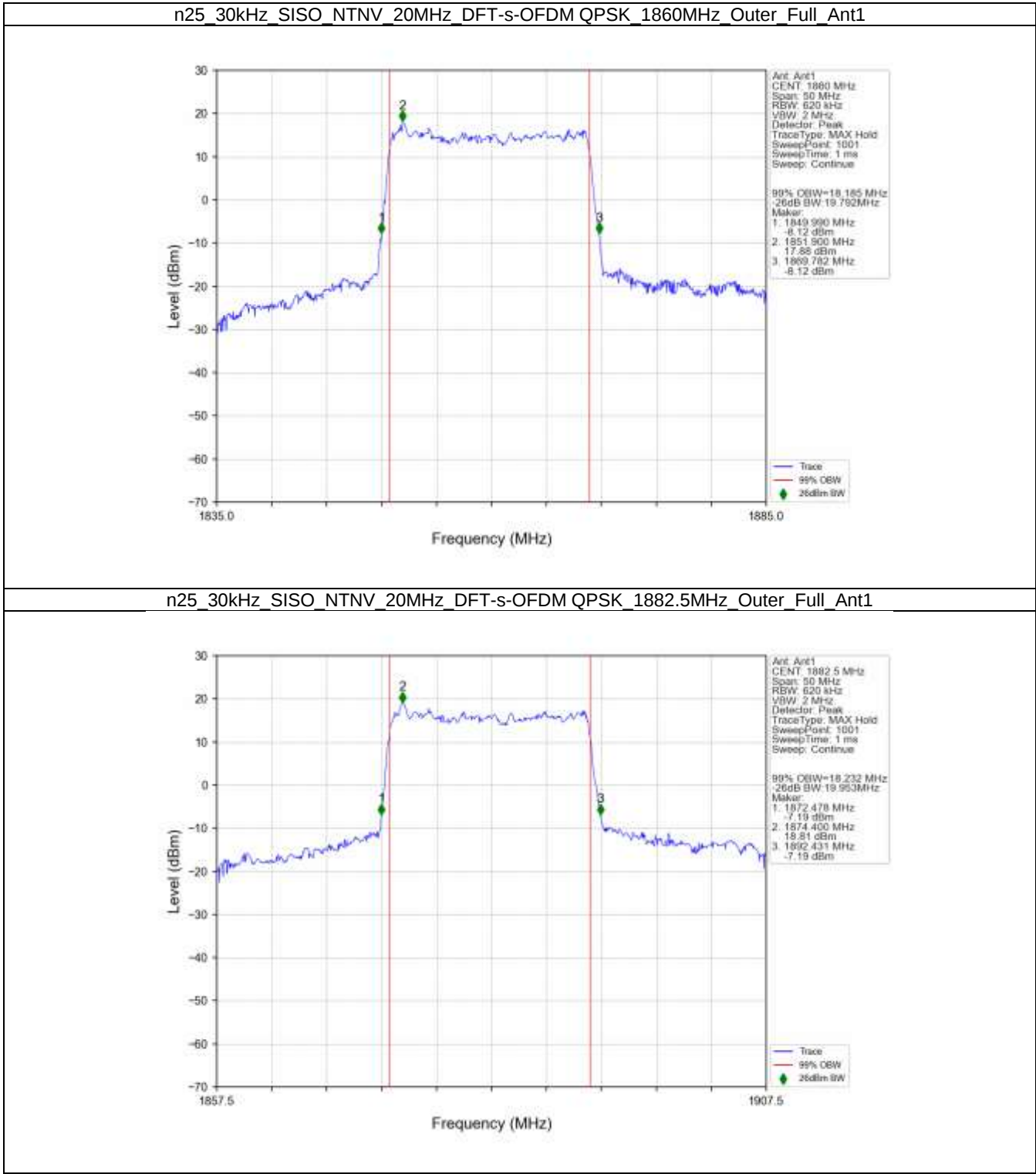
n25 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1882.5MHz Outer_Full Ant1



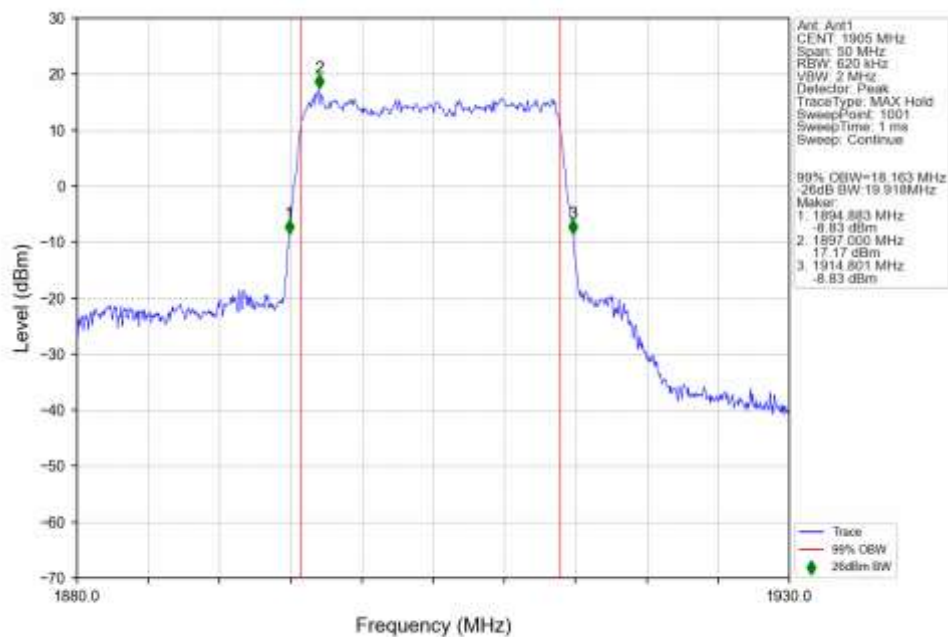
n25 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1907.5MHz Outer_Full Ant1



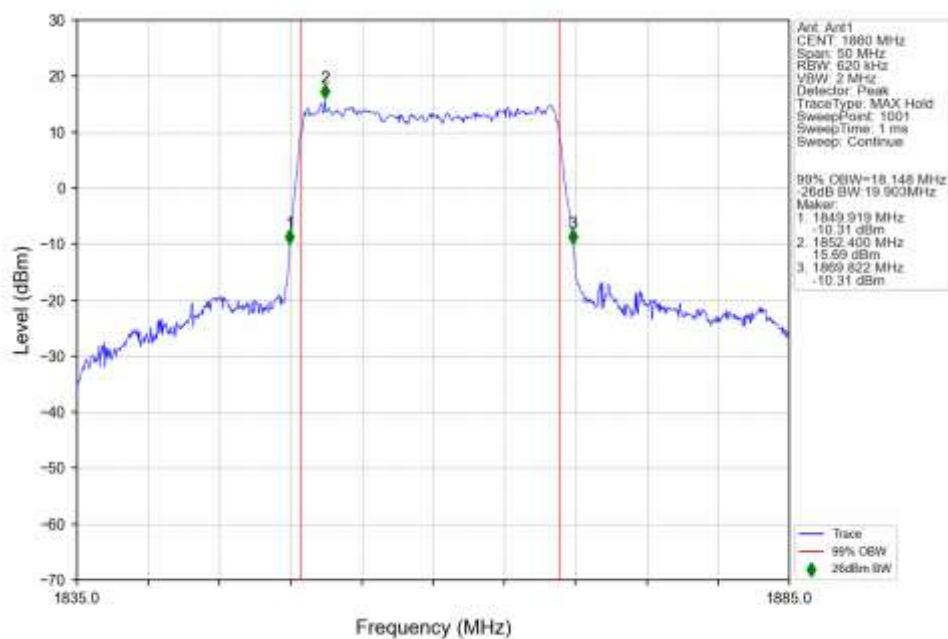
4.2.7 30k_SISO_20MHz_NTNV



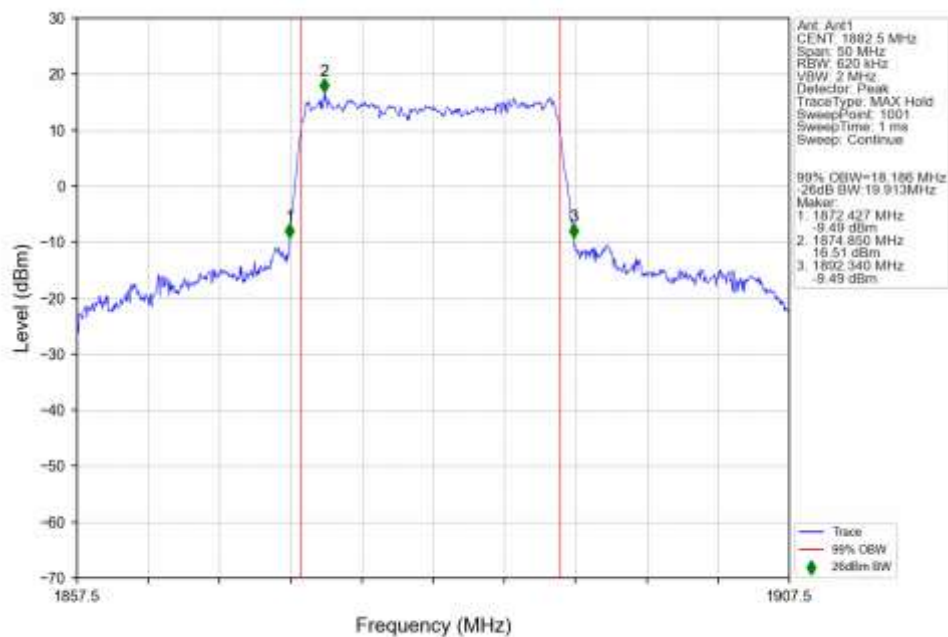
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1905MHz_Outer_Full_Ant1



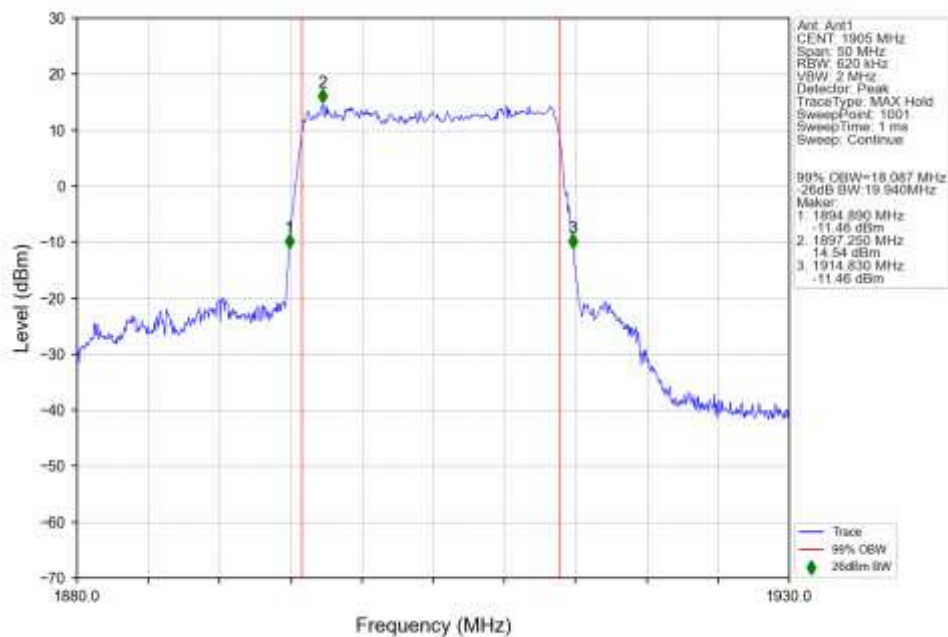
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1860MHz_Outer_Full_Ant1



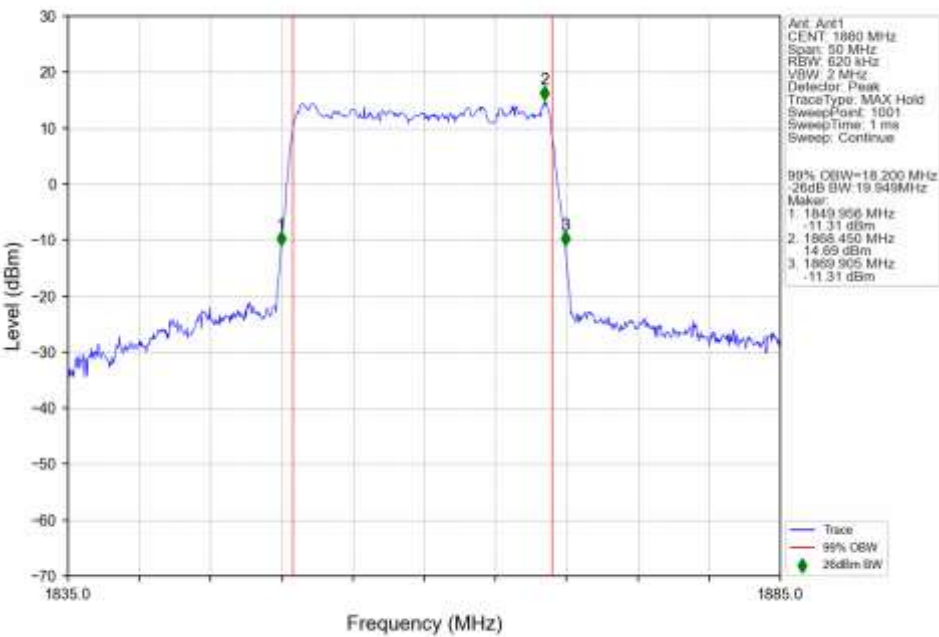
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full_Ant1



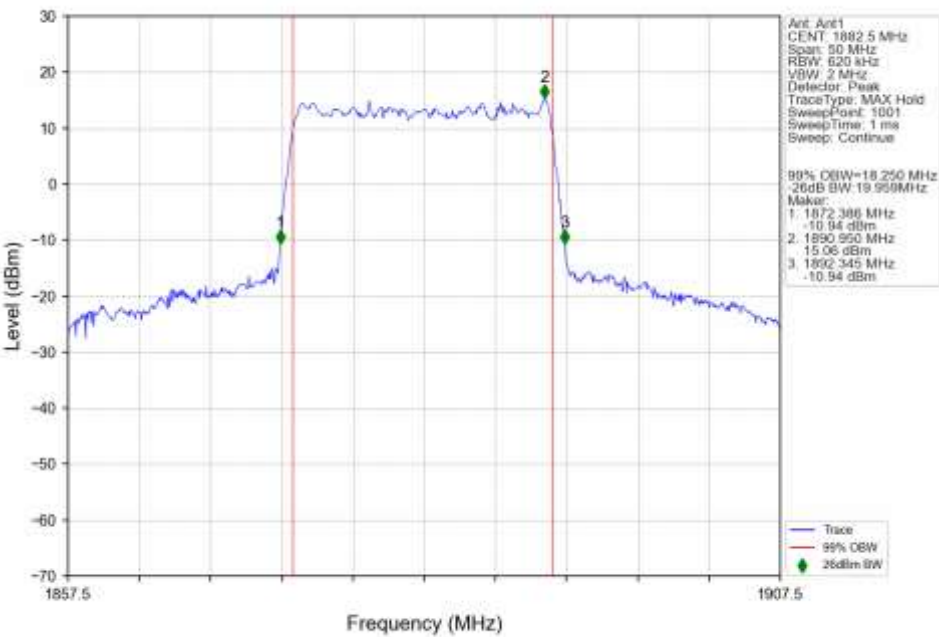
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1905MHz_Outer_Full_Ant1



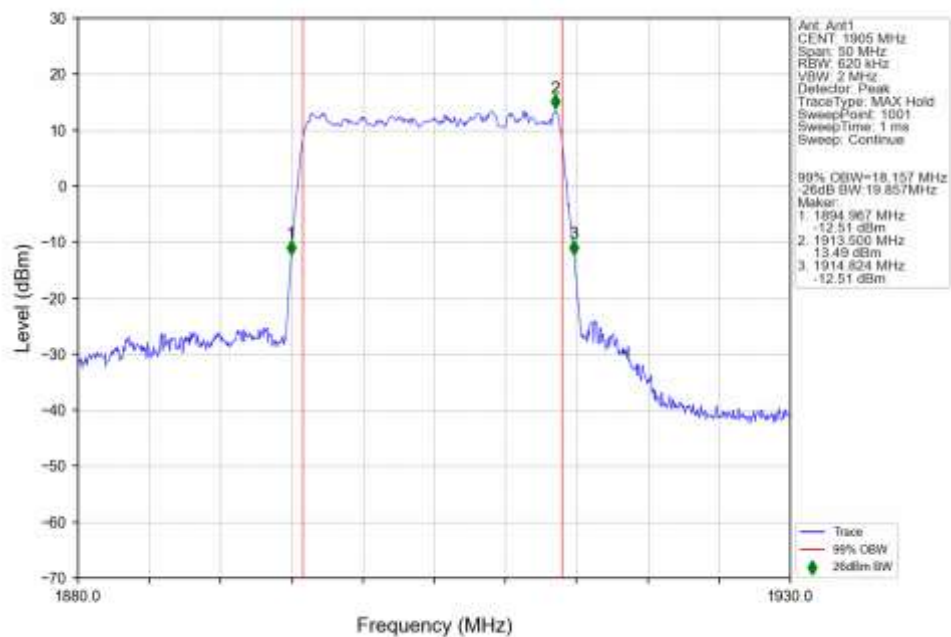
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_1860MHz_Outer_Full_Ant1



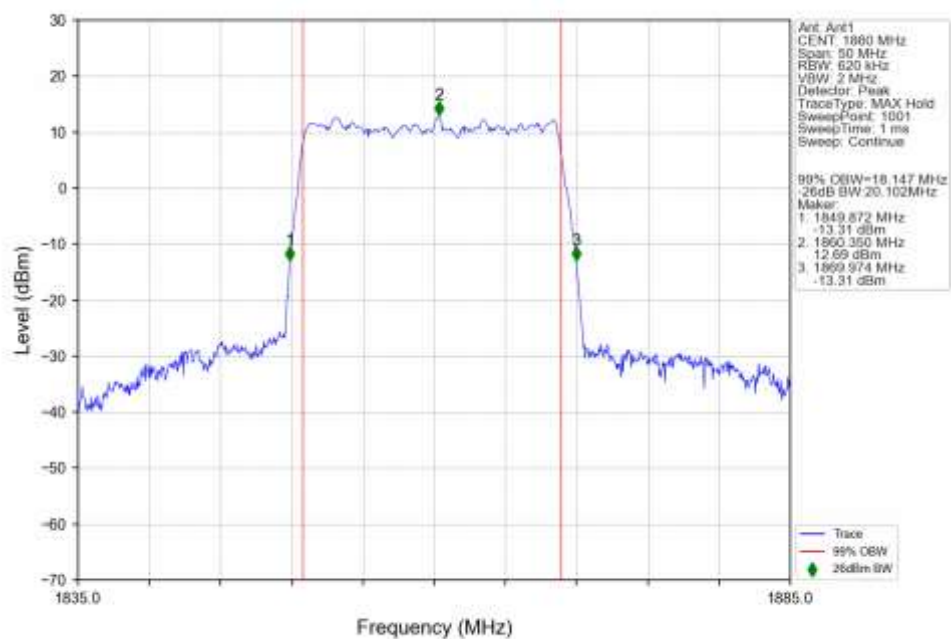
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_1882.5MHz_Outer_Full_Ant1



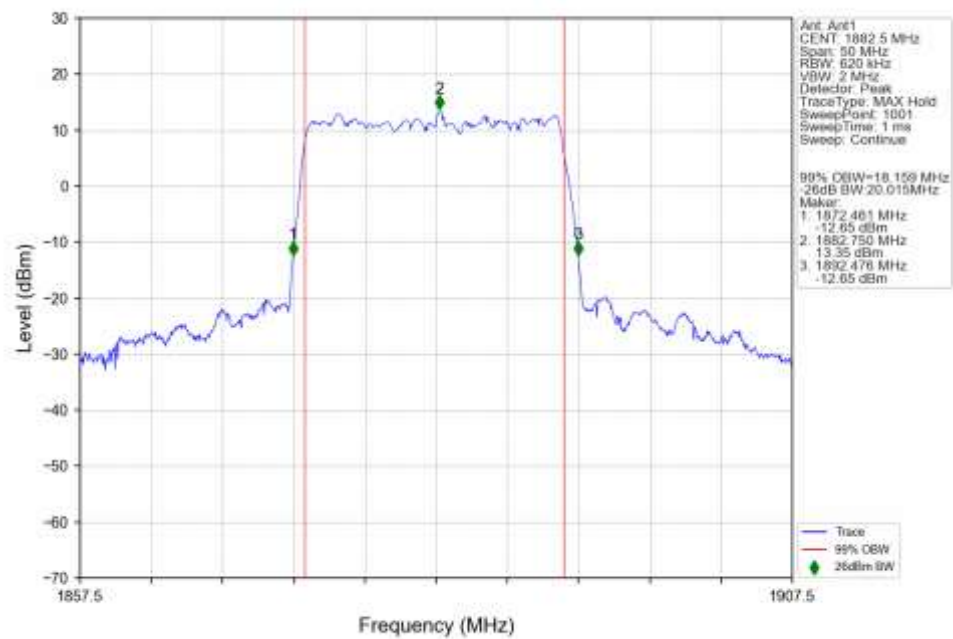
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_1905MHz_Outer_Full_Ant1



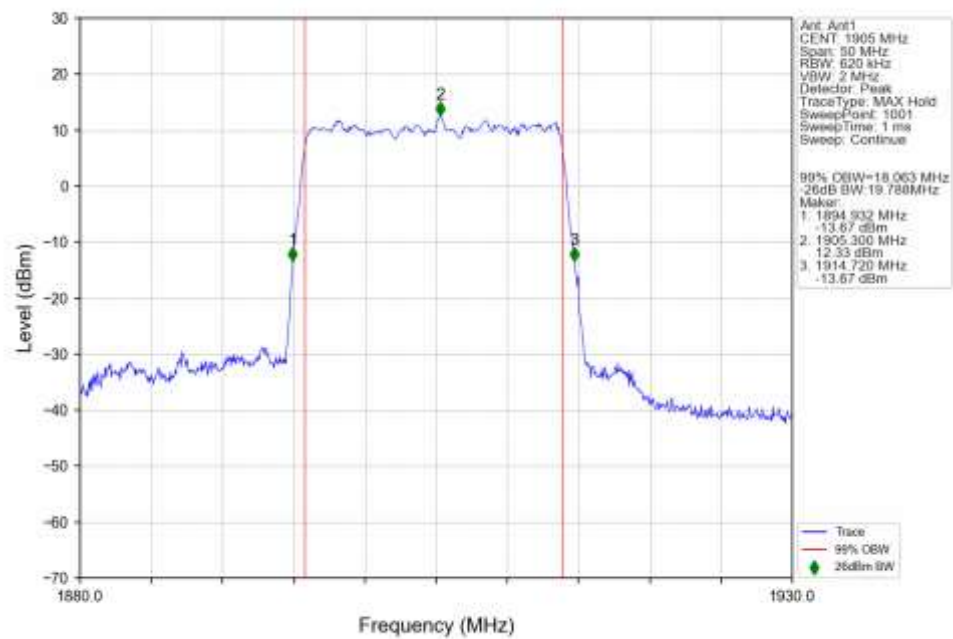
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_1860MHz_Outer_Full_Ant1



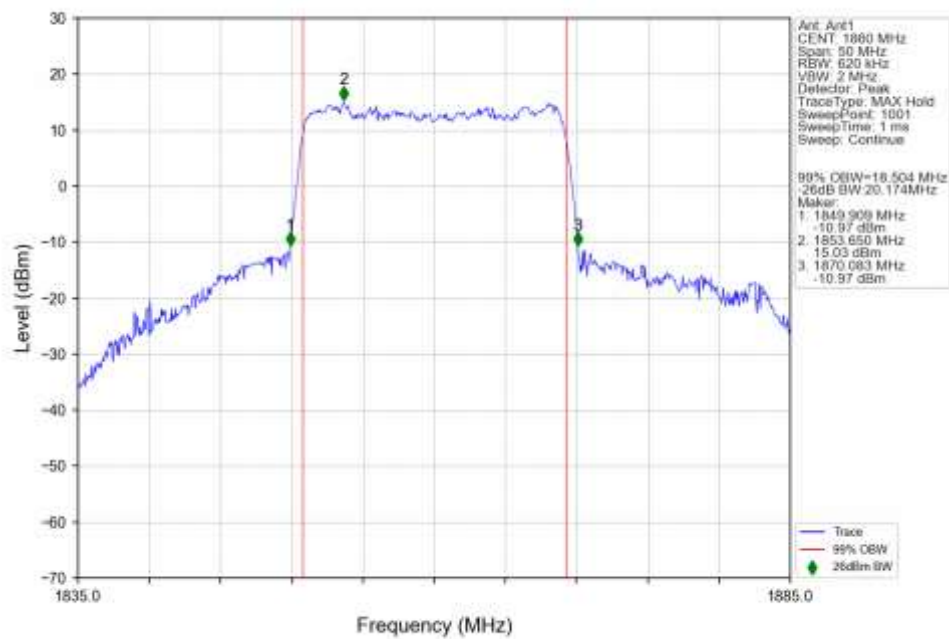
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1



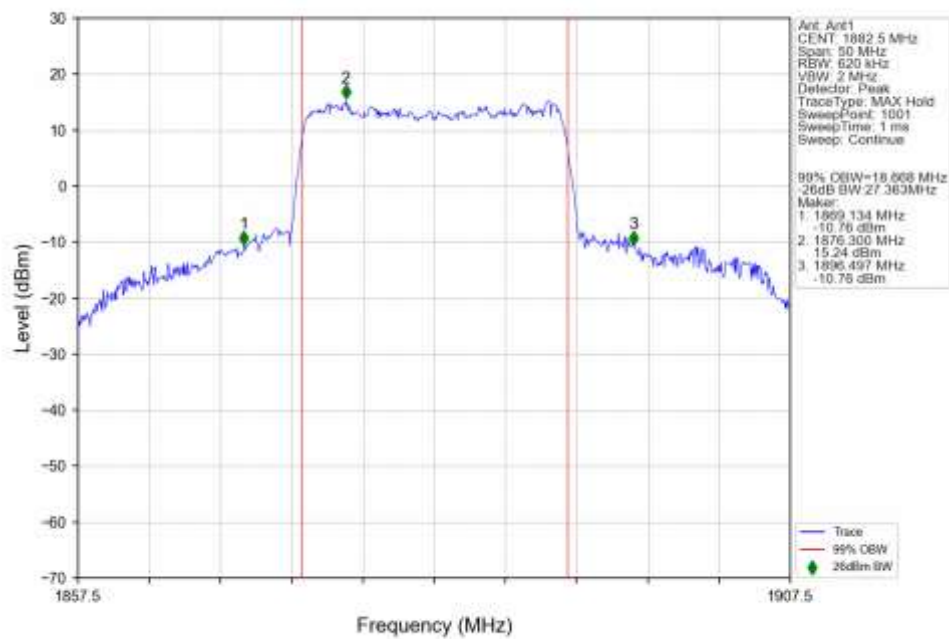
n25_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_1905MHz_Outer_Full_Ant1



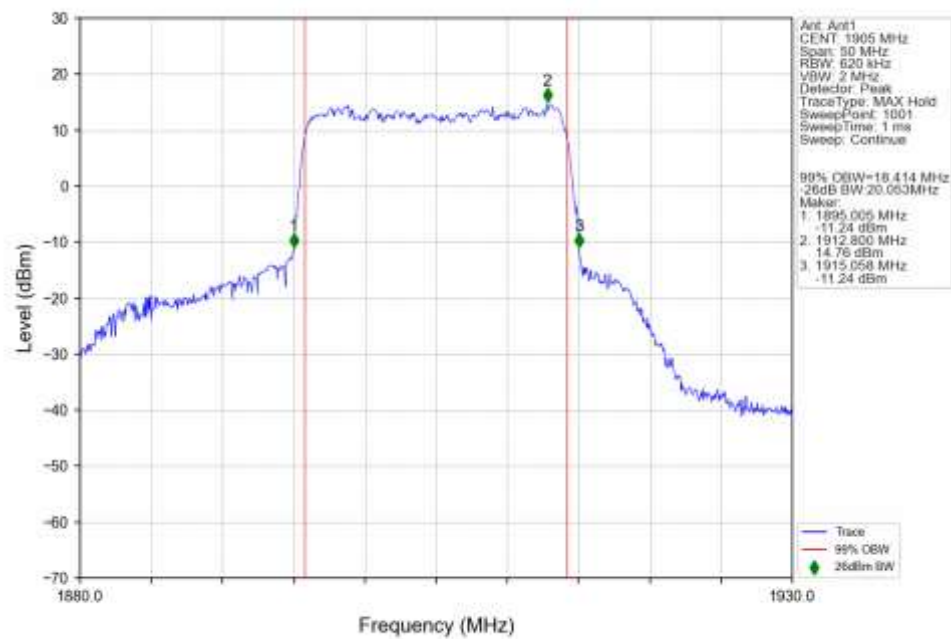
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1860MHz_Outer_Full_Ant1



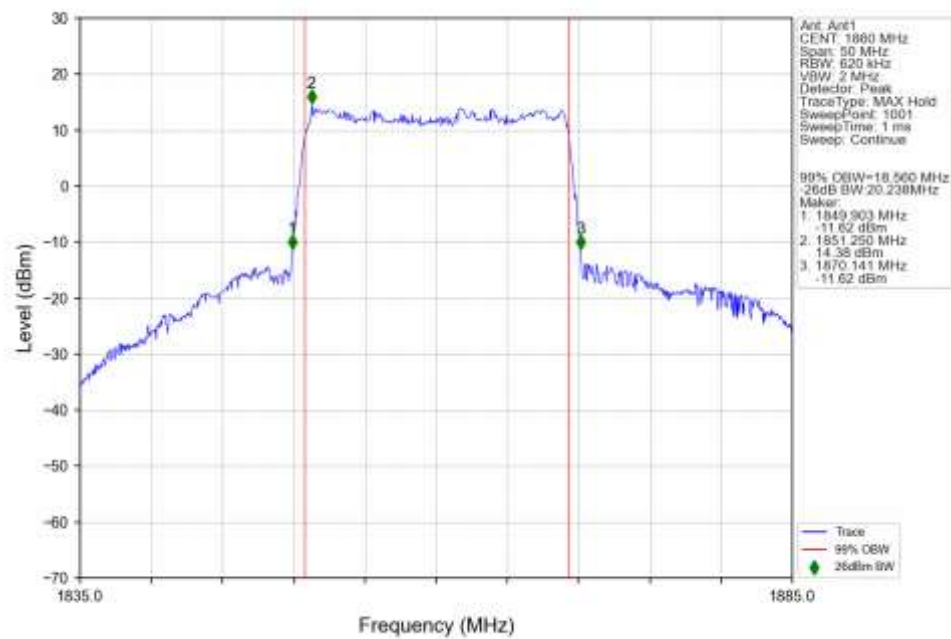
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1882.5MHz_Outer_Full_Ant1



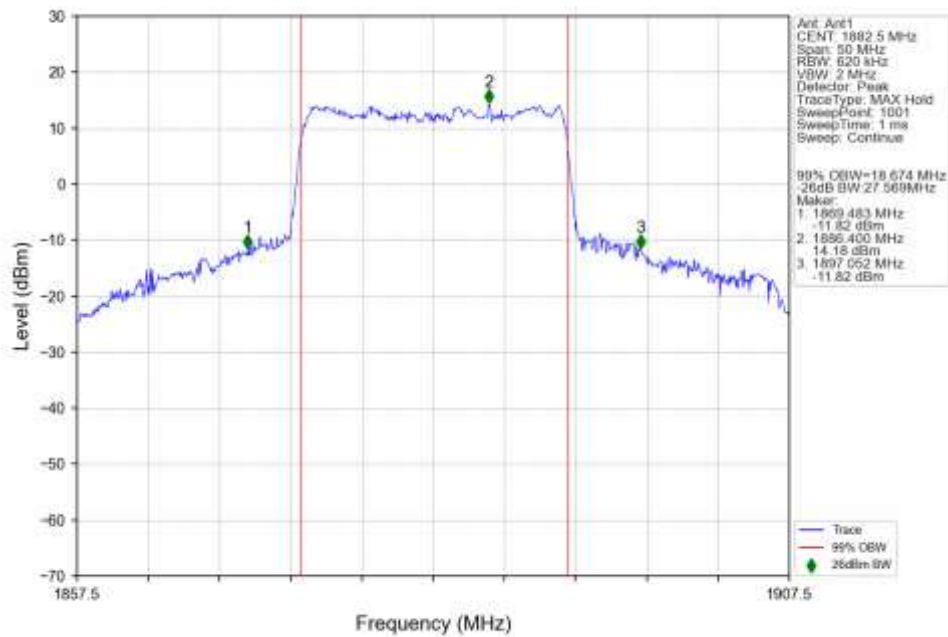
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1905MHz_Outer_Full_Ant1



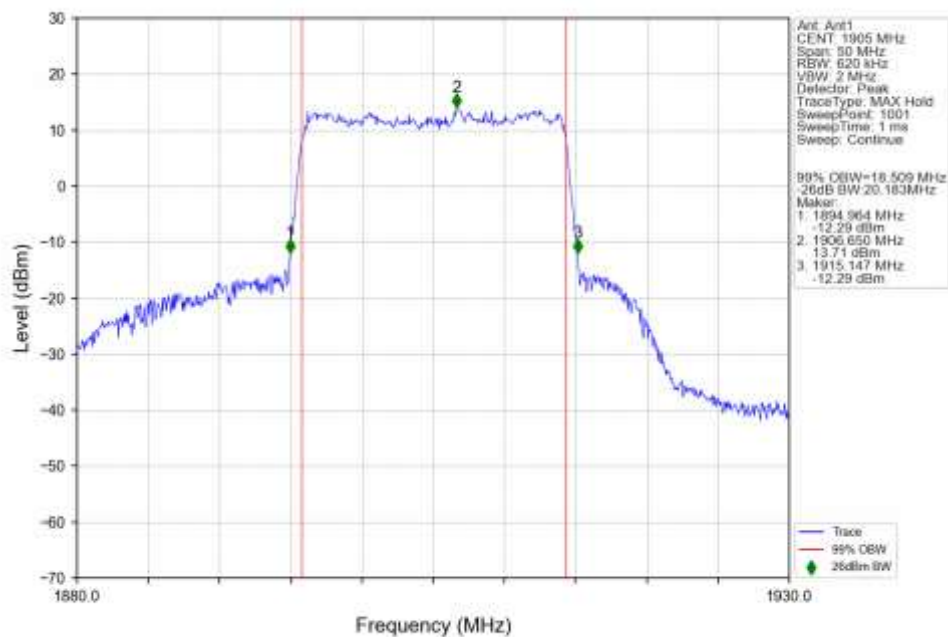
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_1860MHz_Outer_Full_Ant1



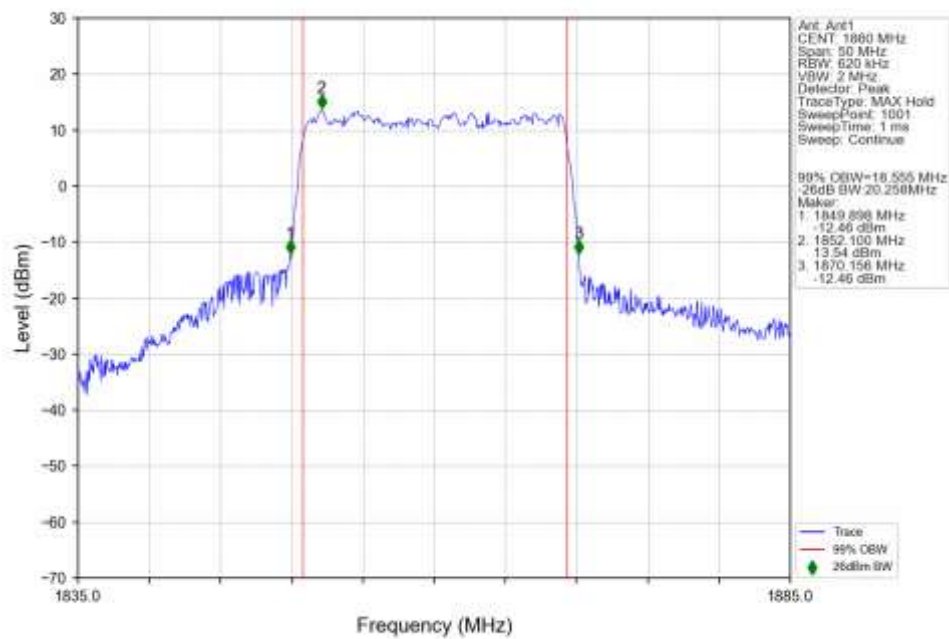
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full_Ant1



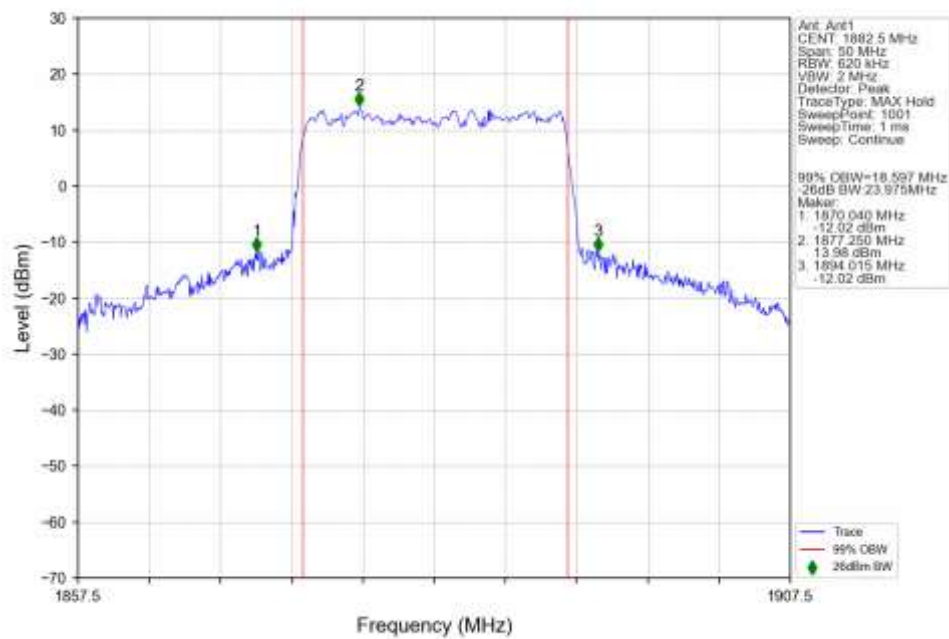
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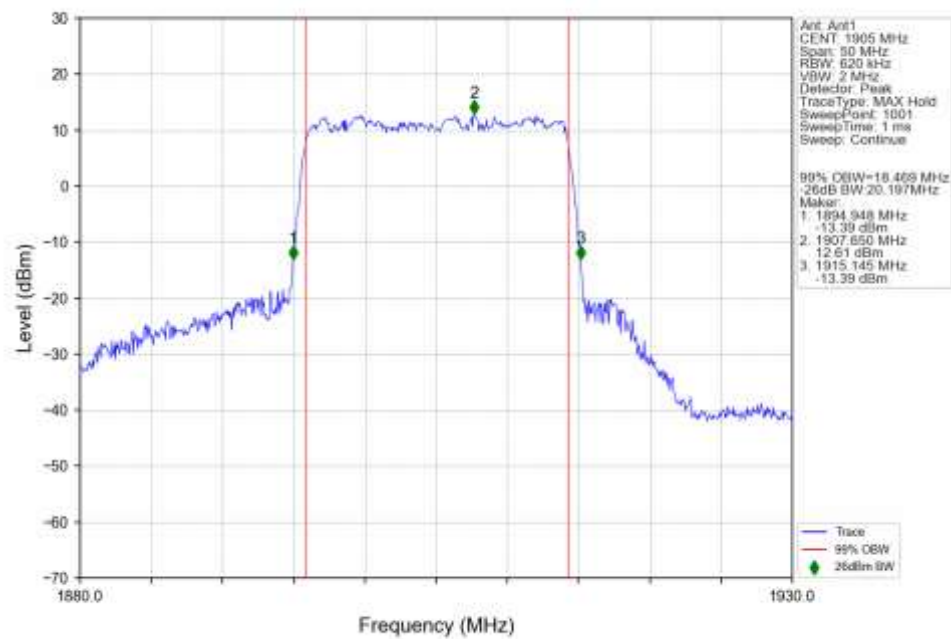
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_1860MHz_Outer_Full_Ant1



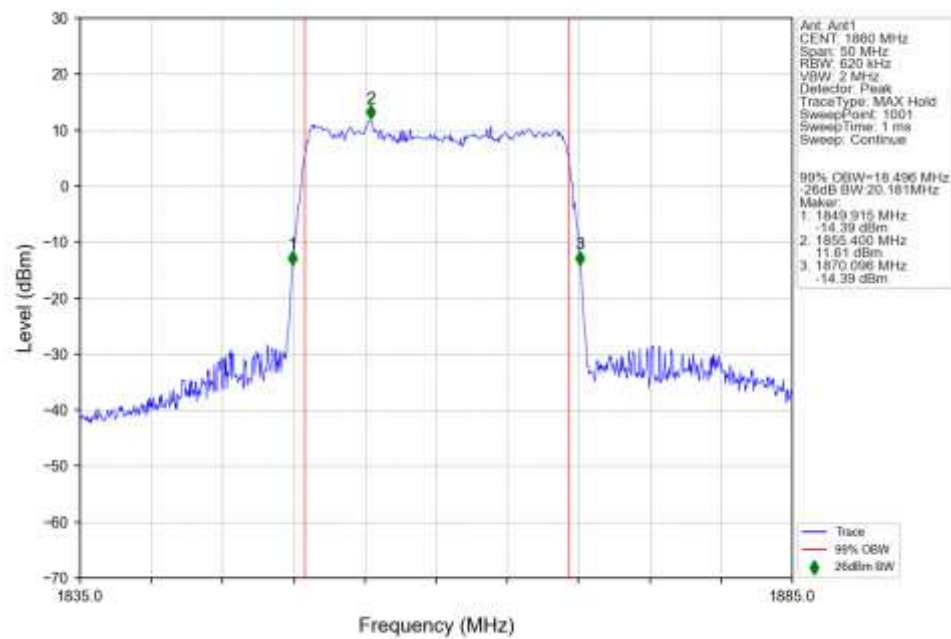
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_1882.5MHz_Outer_Full_Ant1



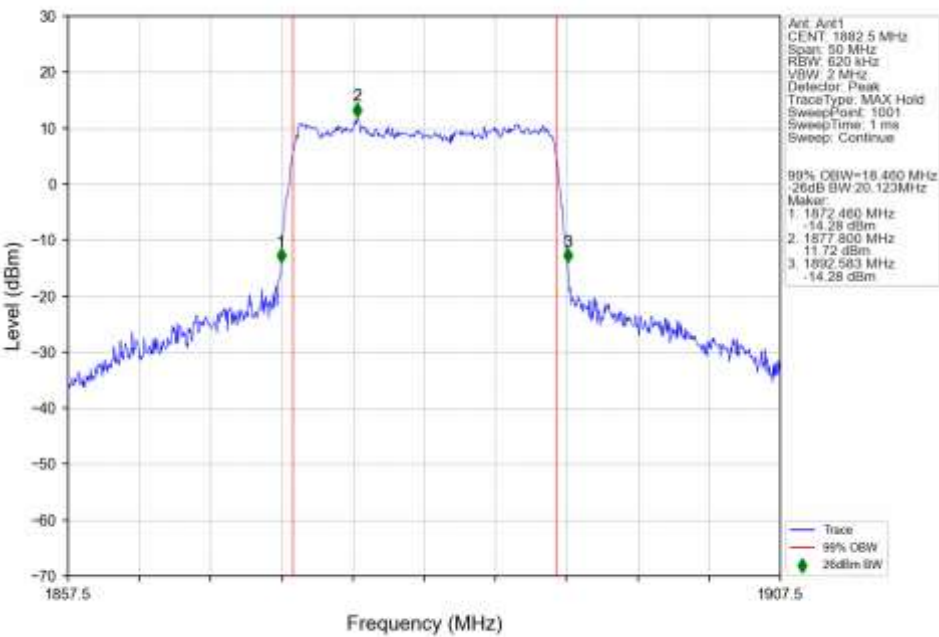
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_1905MHz_Outer_Full_Ant1



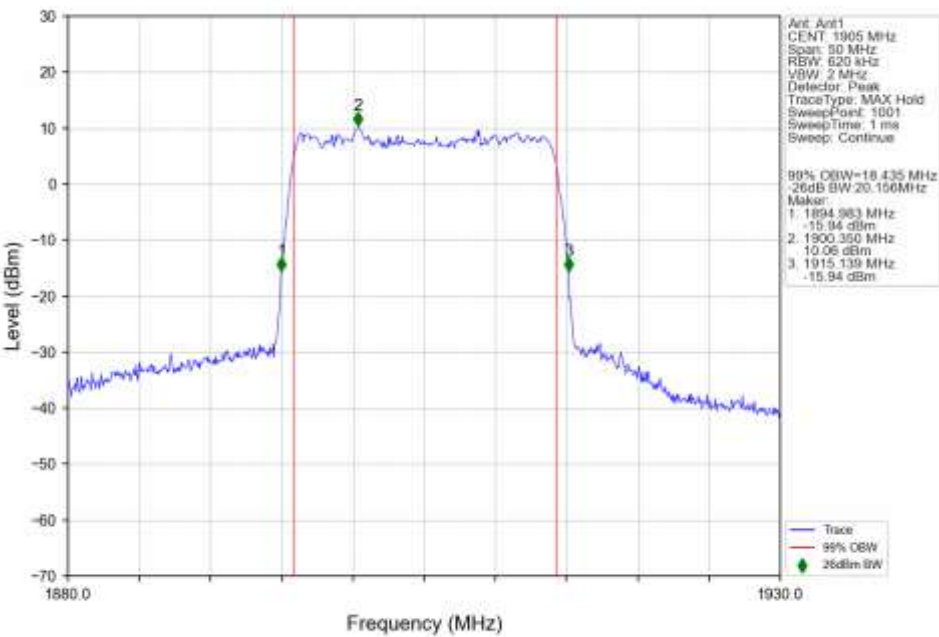
n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1860MHz_Outer_Full_Ant1



n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1



n25_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1905MHz_Outer_Full_Ant1



5. Peak-Average Ratio

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n25 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1852.5	Outer Full	5.34	/	/	<=13	Pass
	1882.5	Outer Full	5.22	/	/	<=13	Pass
	1912.5	Outer Full	5.03	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1852.5	Outer Full	5.95	/	/	<=13	Pass
	1882.5	Outer Full	5.91	/	/	<=13	Pass
	1912.5	Outer Full	5.76	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1852.5	Outer Full	6.25	/	/	<=13	Pass
	1882.5	Outer Full	6.24	/	/	<=13	Pass
	1912.5	Outer Full	6.02	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1852.5	Outer Full	6.73	/	/	<=13	Pass
	1882.5	Outer Full	6.72	/	/	<=13	Pass
	1912.5	Outer Full	6.63	/	/	<=13	Pass
CP-OFDM QPSK	1852.5	Outer Full	7.43	/	/	<=13	Pass
	1882.5	Outer Full	7.40	/	/	<=13	Pass
	1912.5	Outer Full	6.94	/	/	<=13	Pass
CP-OFDM 16 QAM	1852.5	Outer Full	7.59	/	/	<=13	Pass
	1882.5	Outer Full	7.62	/	/	<=13	Pass
	1912.5	Outer Full	7.26	/	/	<=13	Pass
CP-OFDM 64 QAM	1852.5	Outer Full	7.99	/	/	<=13	Pass
	1882.5	Outer Full	8.02	/	/	<=13	Pass
	1912.5	Outer Full	7.69	/	/	<=13	Pass
CP-OFDM 256 QAM	1852.5	Outer Full	8.47	/	/	<=13	Pass
	1882.5	Outer Full	8.34	/	/	<=13	Pass
	1912.5	Outer Full	8.35	/	/	<=13	Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n25 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1855	Outer Full	5.05	/	/	<=13	Pass
	1882.5	Outer Full	5.08	/	/	<=13	Pass
	1910	Outer Full	5.04	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1855	Outer Full	5.89	/	/	<=13	Pass
	1882.5	Outer Full	5.95	/	/	<=13	Pass
	1910	Outer Full	5.83	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1855	Outer Full	6.16	/	/	<=13	Pass
	1882.5	Outer Full	6.26	/	/	<=13	Pass
	1910	Outer Full	6.10	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1855	Outer Full	6.42	/	/	<=13	Pass
	1882.5	Outer Full	6.45	/	/	<=13	Pass
	1910	Outer Full	6.41	/	/	<=13	Pass
CP-OFDM QPSK	1855	Outer Full	7.25	/	/	<=13	Pass
	1882.5	Outer Full	7.47	/	/	<=13	Pass

	1910	Outer Full	7.12	/	/	<=13	Pass
CP-OFDM 16 QAM	1855	Outer Full	7.60	/	/	<=13	Pass
	1882.5	Outer Full	7.82	/	/	<=13	Pass
	1910	Outer Full	7.49	/	/	<=13	Pass
CP-OFDM 64 QAM	1855	Outer Full	7.77	/	/	<=13	Pass
	1882.5	Outer Full	7.92	/	/	<=13	Pass
	1910	Outer Full	7.63	/	/	<=13	Pass
CP-OFDM 256 QAM	1855	Outer Full	8.40	/	/	<=13	Pass
	1882.5	Outer Full	8.37	/	/	<=13	Pass
	1910	Outer Full	8.35	/	/	<=13	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n25 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1857.5	Outer Full	4.97	/	/	<=13	Pass
	1882.5	Outer Full	4.79	/	/	<=13	Pass
	1907.5	Outer Full	5.40	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer Full	5.84	/	/	<=13	Pass
	1882.5	Outer Full	5.65	/	/	<=13	Pass
	1907.5	Outer Full	6.13	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer Full	6.23	/	/	<=13	Pass
	1882.5	Outer Full	6.06	/	/	<=13	Pass
	1907.5	Outer Full	6.41	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer Full	6.51	/	/	<=13	Pass
	1882.5	Outer Full	6.41	/	/	<=13	Pass
	1907.5	Outer Full	6.64	/	/	<=13	Pass
CP-OFDM QPSK	1857.5	Outer Full	7.29	/	/	<=13	Pass
	1882.5	Outer Full	6.97	/	/	<=13	Pass
	1907.5	Outer Full	7.55	/	/	<=13	Pass
CP-OFDM 16 QAM	1857.5	Outer Full	7.57	/	/	<=13	Pass
	1882.5	Outer Full	7.32	/	/	<=13	Pass
	1907.5	Outer Full	7.79	/	/	<=13	Pass
CP-OFDM 64 QAM	1857.5	Outer Full	7.69	/	/	<=13	Pass
	1882.5	Outer Full	7.53	/	/	<=13	Pass
	1907.5	Outer Full	7.80	/	/	<=13	Pass
CP-OFDM 256 QAM	1857.5	Outer Full	8.48	/	/	<=13	Pass
	1882.5	Outer Full	8.27	/	/	<=13	Pass
	1907.5	Outer Full	8.50	/	/	<=13	Pass

5.1.4 15k_SISO_20MHz_NTNV

5G NR n25 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1860	Outer Full	6.46	/	/	<=13	Pass
	1882.5	Outer Full	5.00	/	/	<=13	Pass
	1905	Outer Full	5.43	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer Full	5.94	/	/	<=13	Pass
	1882.5	Outer Full	5.79	/	/	<=13	Pass
	1905	Outer Full	6.05	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer Full	6.91	/	/	<=13	Pass
	1882.5	Outer Full	6.27	/	/	<=13	Pass
	1905	Outer Full	6.44	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	1860	Outer Full	9.72	/	/	<=13	Pass
	1882.5	Outer Full	6.59	/	/	<=13	Pass
	1905	Outer Full	8.39	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer Full	9.06	/	/	<=13	Pass
	1882.5	Outer Full	7.27	/	/	<=13	Pass
	1905	Outer Full	7.48	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer Full	7.80	/	/	<=13	Pass
	1882.5	Outer Full	7.45	/	/	<=13	Pass
	1905	Outer Full	7.73	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer Full	11.01	/	/	<=13	Pass
	1882.5	Outer Full	7.78	/	/	<=13	Pass
	1905	Outer Full	7.92	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer Full	8.71	/	/	<=13	Pass
	1882.5	Outer Full	8.28	/	/	<=13	Pass
	1905	Outer Full	8.41	/	/	<=13	Pass

5.1.5 30k_SISO_10MHz_NTNV

5G NR n25 SCS=30kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1855	Outer Full	5.20	/	/	<=13	Pass
	1882.5	Outer Full	4.27	/	/	<=13	Pass
	1910	Outer Full	4.95	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1855	Outer Full	6.00	/	/	<=13	Pass
	1882.5	Outer Full	5.13	/	/	<=13	Pass
	1910	Outer Full	5.81	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1855	Outer Full	6.24	/	/	<=13	Pass
	1882.5	Outer Full	5.49	/	/	<=13	Pass
	1910	Outer Full	6.07	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1855	Outer Full	6.66	/	/	<=13	Pass
	1882.5	Outer Full	6.14	/	/	<=13	Pass
	1910	Outer Full	6.51	/	/	<=13	Pass
CP-OFDM QPSK	1855	Outer Full	7.40	/	/	<=13	Pass
	1882.5	Outer Full	6.28	/	/	<=13	Pass
	1910	Outer Full	6.93	/	/	<=13	Pass
CP-OFDM 16 QAM	1855	Outer Full	7.38	/	/	<=13	Pass
	1882.5	Outer Full	6.48	/	/	<=13	Pass
	1910	Outer Full	7.06	/	/	<=13	Pass
CP-OFDM 64 QAM	1855	Outer Full	7.68	/	/	<=13	Pass
	1882.5	Outer Full	6.80	/	/	<=13	Pass
	1910	Outer Full	7.40	/	/	<=13	Pass
CP-OFDM 256 QAM	1855	Outer Full	8.27	/	/	<=13	Pass
	1882.5	Outer Full	7.73	/	/	<=13	Pass
	1910	Outer Full	8.09	/	/	<=13	Pass

5.1.6 30k_SISO_15MHz_NTNV

5G NR n25 SCS=30kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1857.5	Outer Full	5.34	/	/	<=13	Pass
	1882.5	Outer Full	4.26	/	/	<=13	Pass
	1907.5	Outer Full	5.23	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer Full	6.04	/	/	<=13	Pass

DFT-s-OFDM 64 QAM	1882.5	Outer Full	5.04	/	/	<=13	Pass
	1907.5	Outer Full	5.90	/	/	<=13	Pass
	1857.5	Outer Full	6.33	/	/	<=13	Pass
	1882.5	Outer Full	5.48	/	/	<=13	Pass
	1907.5	Outer Full	6.22	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer Full	6.45	/	/	<=13	Pass
	1882.5	Outer Full	6.03	/	/	<=13	Pass
	1907.5	Outer Full	6.38	/	/	<=13	Pass
CP-OFDM QPSK	1857.5	Outer Full	7.43	/	/	<=13	Pass
	1882.5	Outer Full	6.25	/	/	<=13	Pass
	1907.5	Outer Full	7.29	/	/	<=13	Pass
CP-OFDM 16 QAM	1857.5	Outer Full	7.63	/	/	<=13	Pass
	1882.5	Outer Full	6.56	/	/	<=13	Pass
	1907.5	Outer Full	7.52	/	/	<=13	Pass
CP-OFDM 64 QAM	1857.5	Outer Full	7.85	/	/	<=13	Pass
	1882.5	Outer Full	6.87	/	/	<=13	Pass
	1907.5	Outer Full	7.59	/	/	<=13	Pass
CP-OFDM 256 QAM	1857.5	Outer Full	8.52	/	/	<=13	Pass
	1882.5	Outer Full	7.98	/	/	<=13	Pass
	1907.5	Outer Full	8.34	/	/	<=13	Pass

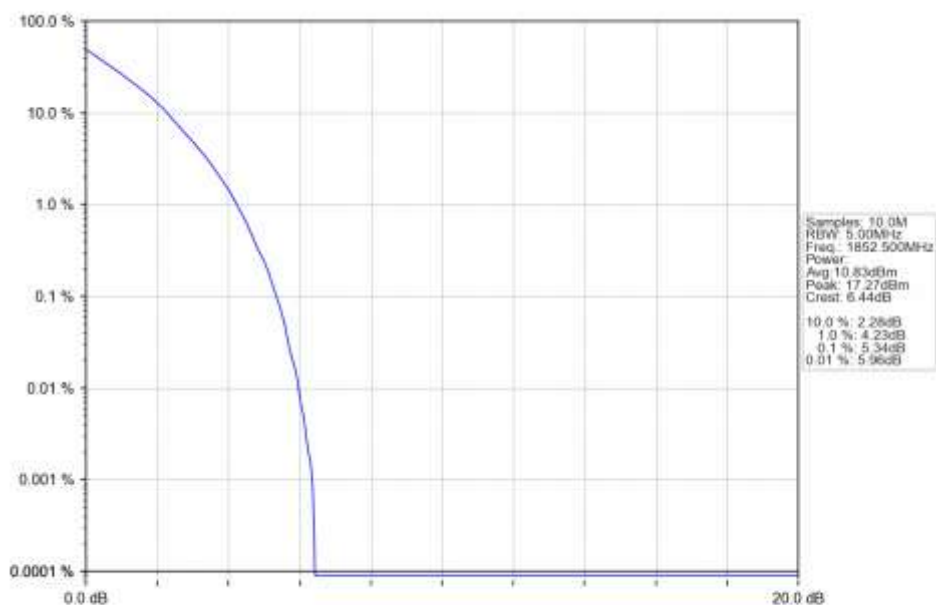
5.1.7 30k_SISO_20MHz_NTNV

5G NR n25 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1860	Outer Full	5.30	/	/	<=13	Pass
	1882.5	Outer Full	4.51	/	/	<=13	Pass
	1905	Outer Full	5.58	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer Full	6.23	/	/	<=13	Pass
	1882.5	Outer Full	5.23	/	/	<=13	Pass
	1905	Outer Full	6.15	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer Full	6.40	/	/	<=13	Pass
	1882.5	Outer Full	5.62	/	/	<=13	Pass
	1905	Outer Full	6.32	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1860	Outer Full	6.51	/	/	<=13	Pass
	1882.5	Outer Full	6.35	/	/	<=13	Pass
	1905	Outer Full	6.49	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer Full	7.80	/	/	<=13	Pass
	1882.5	Outer Full	6.75	/	/	<=13	Pass
	1905	Outer Full	7.59	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer Full	7.90	/	/	<=13	Pass
	1882.5	Outer Full	7.03	/	/	<=13	Pass
	1905	Outer Full	7.92	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer Full	8.02	/	/	<=13	Pass
	1882.5	Outer Full	7.28	/	/	<=13	Pass
	1905	Outer Full	8.05	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer Full	8.68	/	/	<=13	Pass
	1882.5	Outer Full	8.47	/	/	<=13	Pass
	1905	Outer Full	8.79	/	/	<=13	Pass

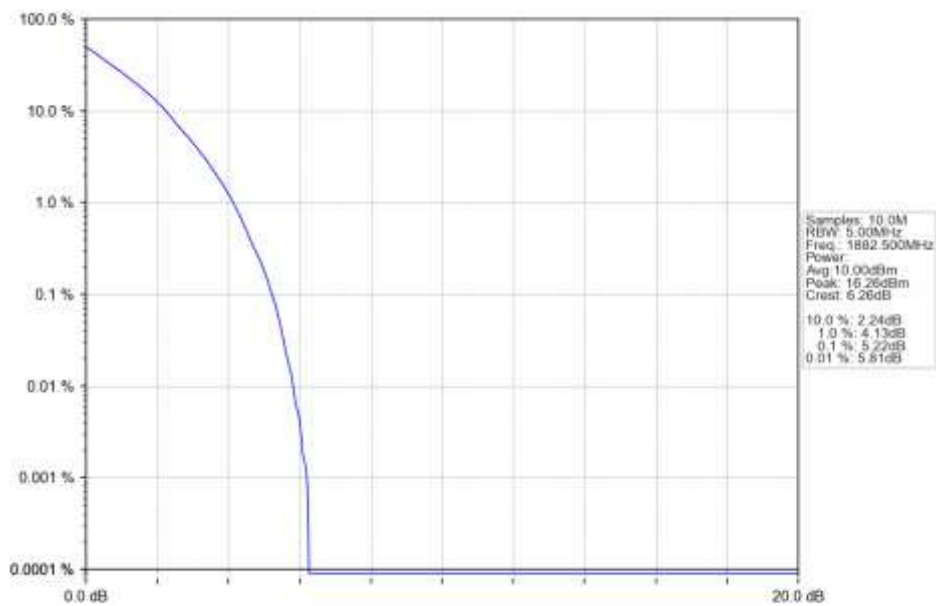
5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

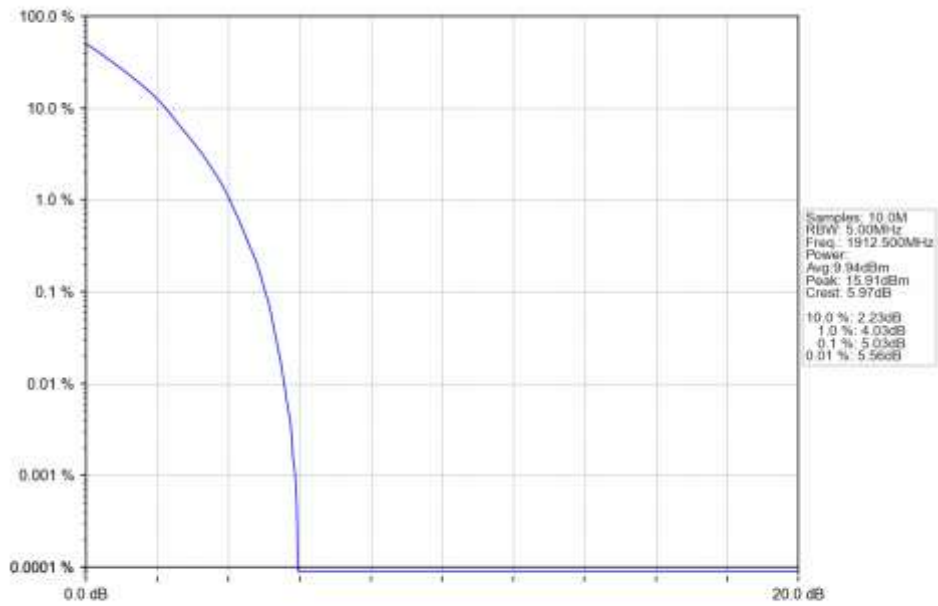
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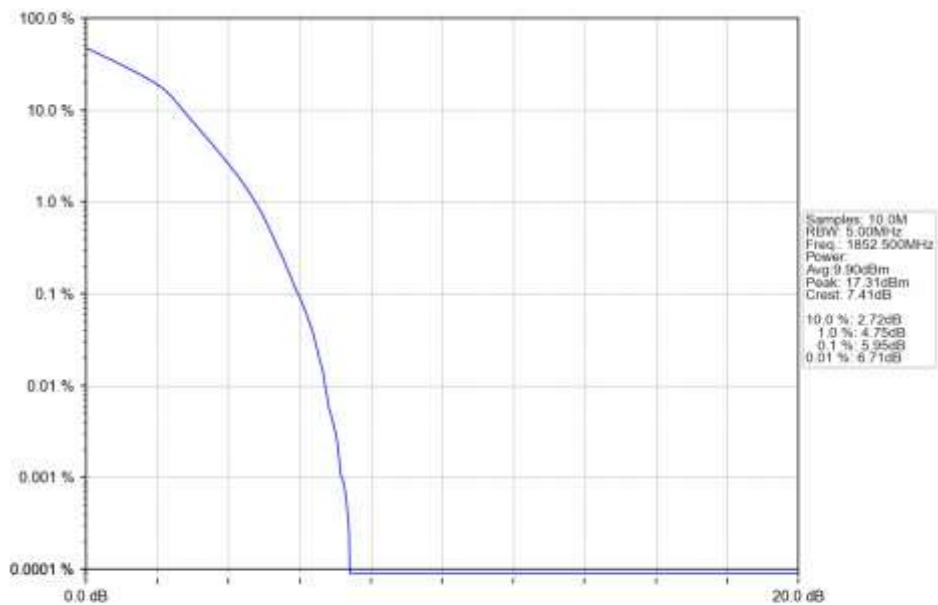
n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1882.5MHz_Outer_Full_Ant1



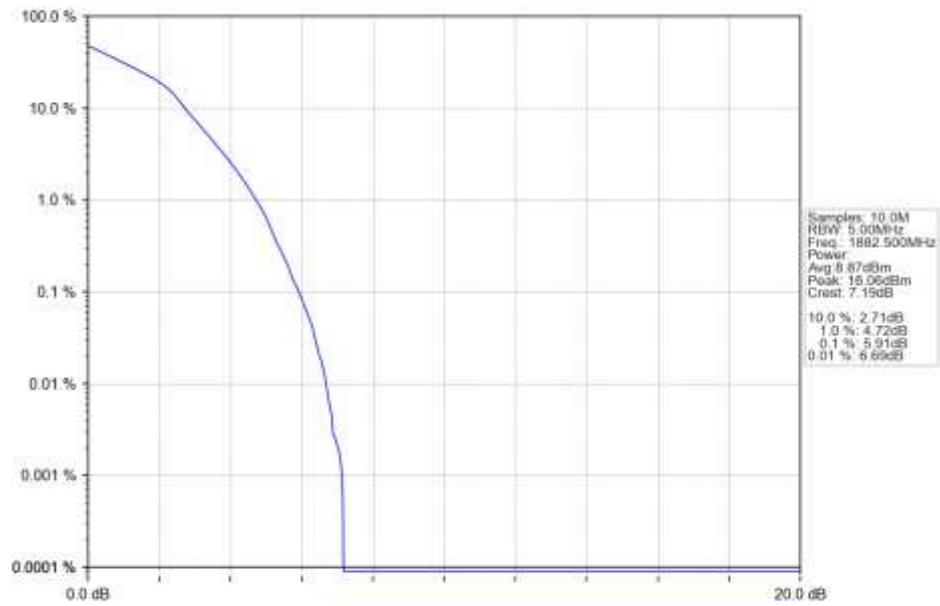
n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1912.5MHz_Outer_Full_Ant1



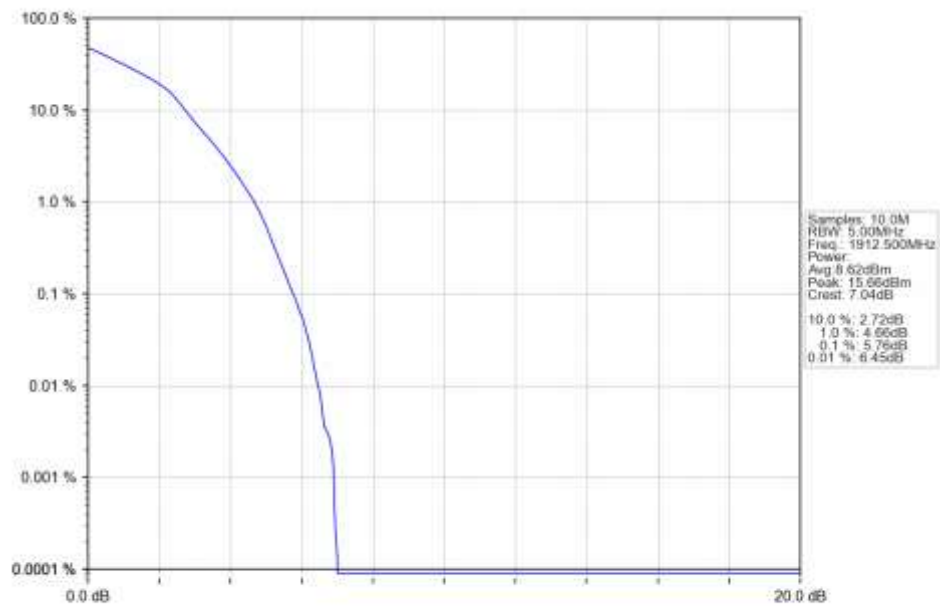
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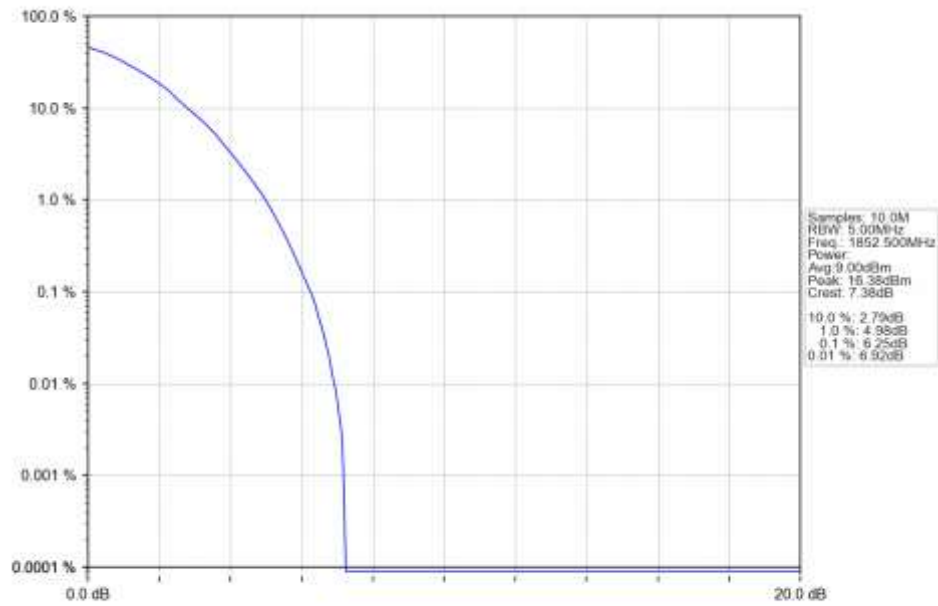
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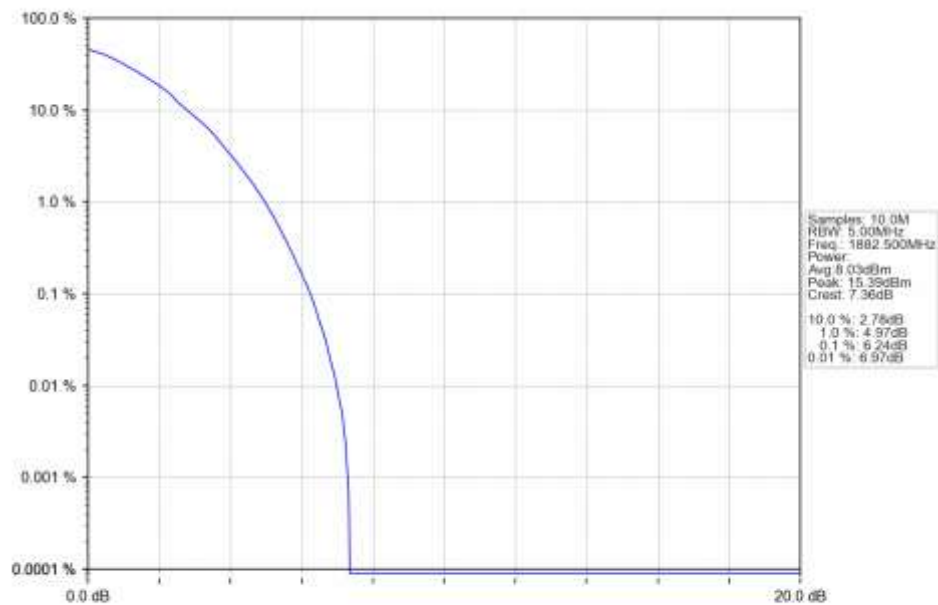
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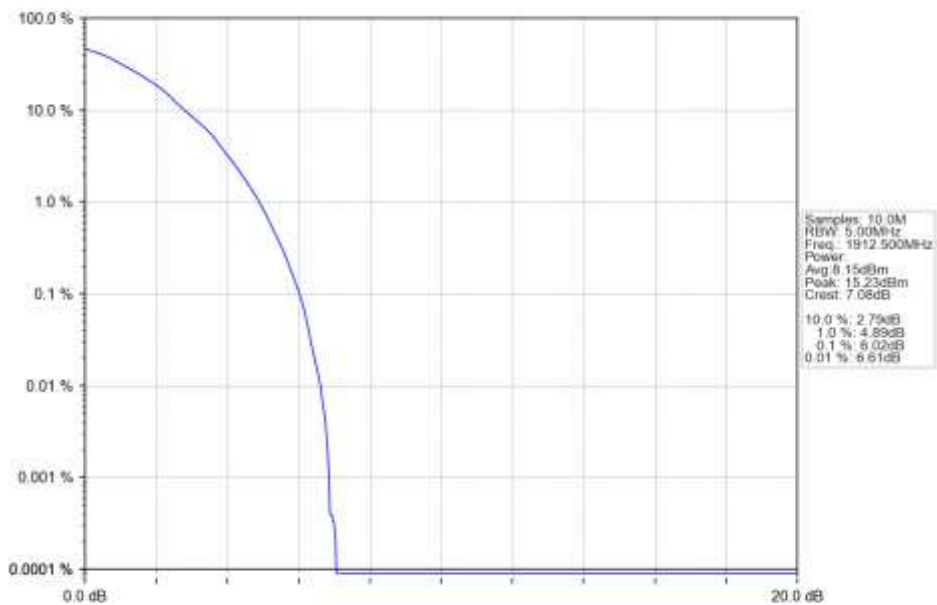
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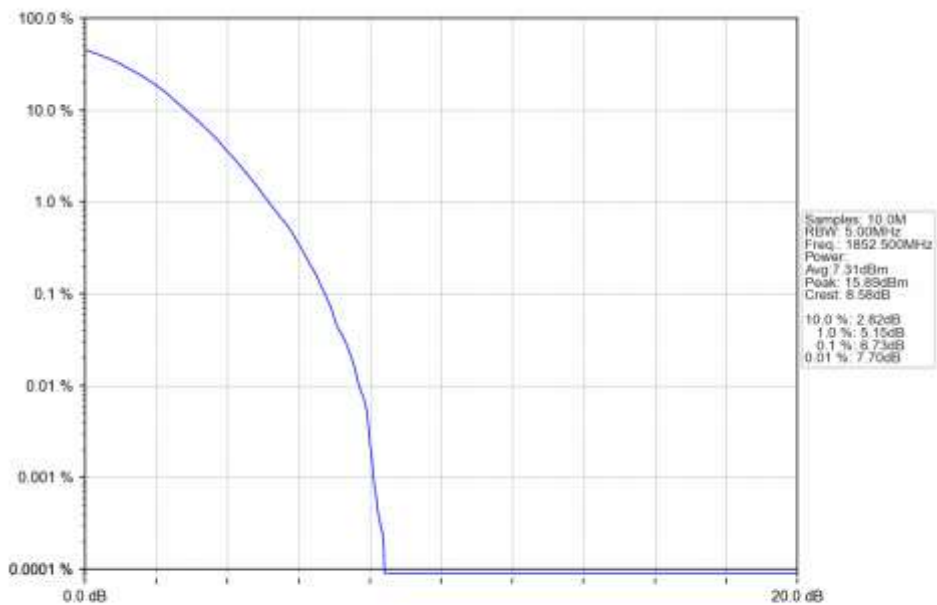
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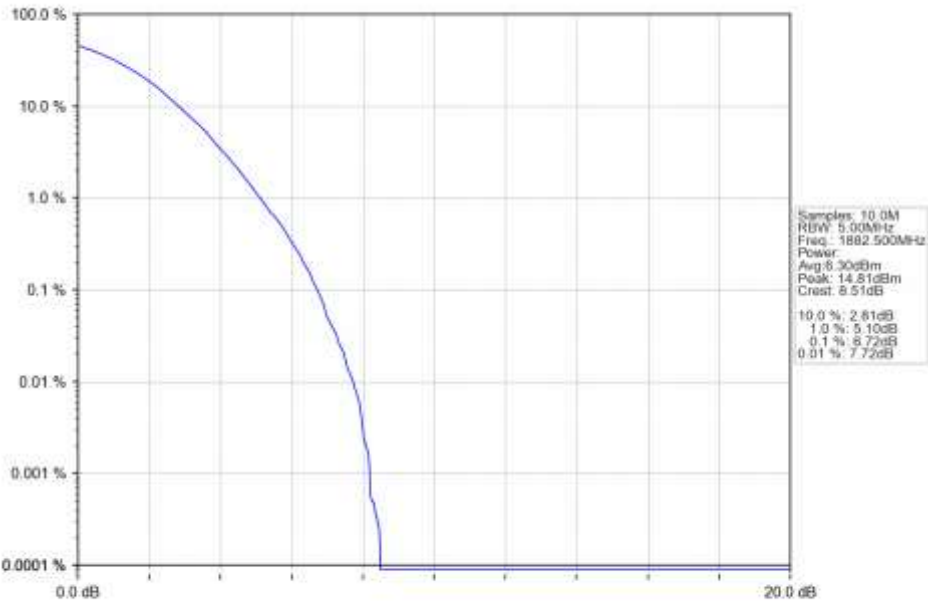
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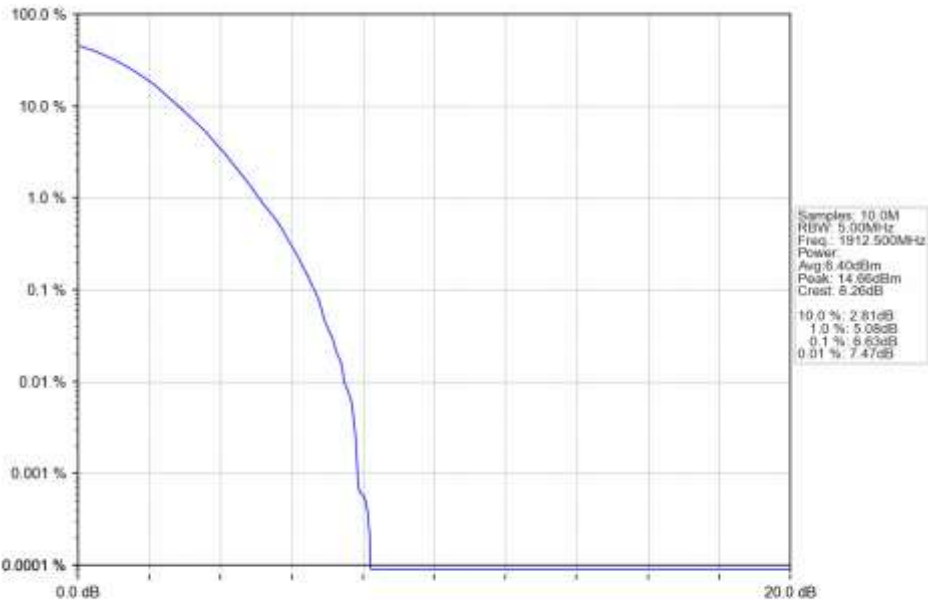
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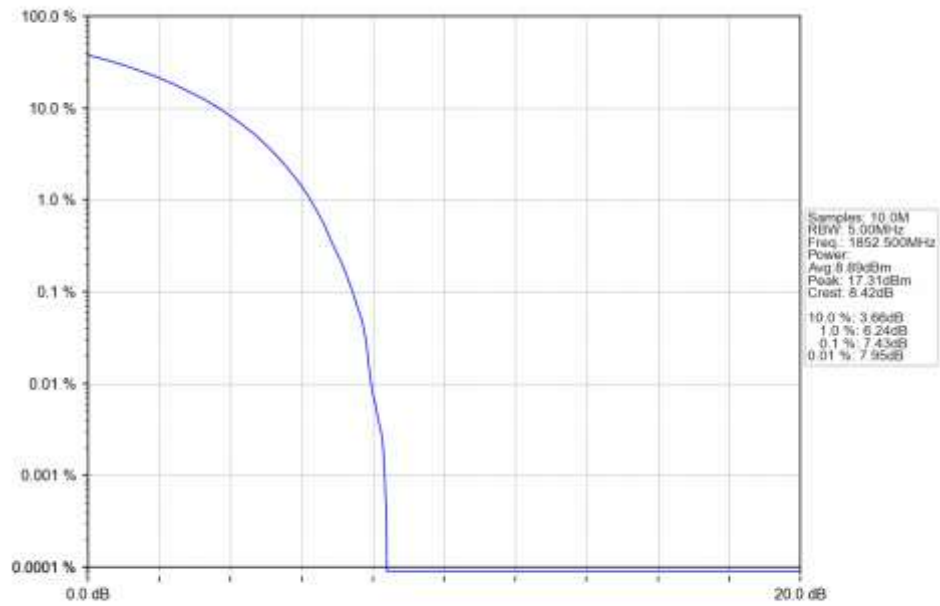
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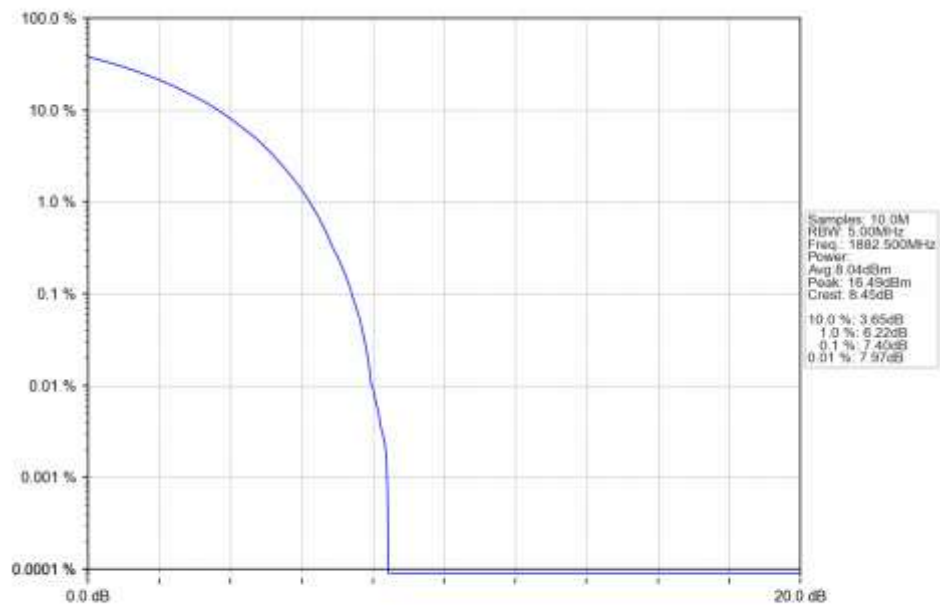
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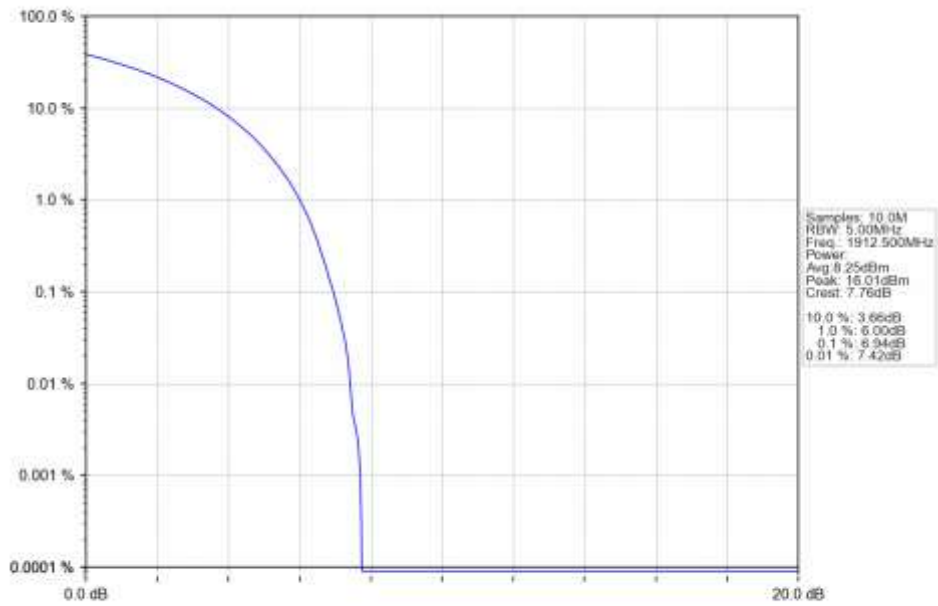
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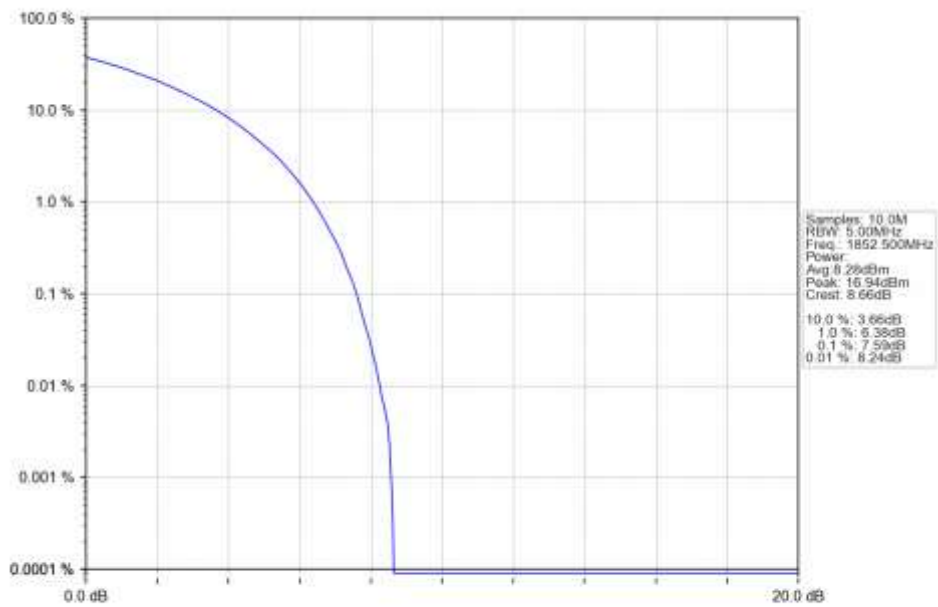
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_1882.5MHz_Outer_Full_Ant1



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1912.5MHz_Outer_Full_Ant1



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_1852.5MHz_Outer_Full_Ant1



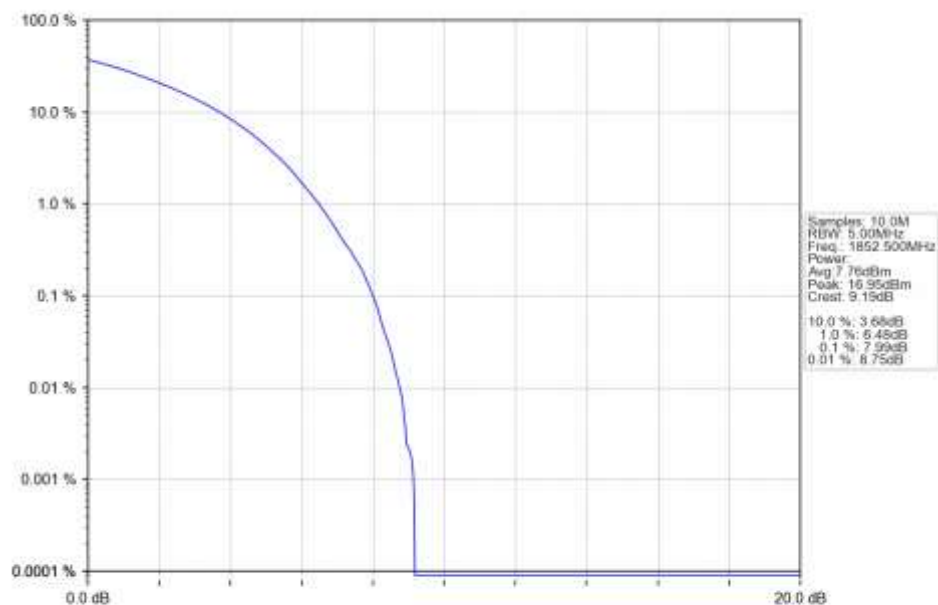
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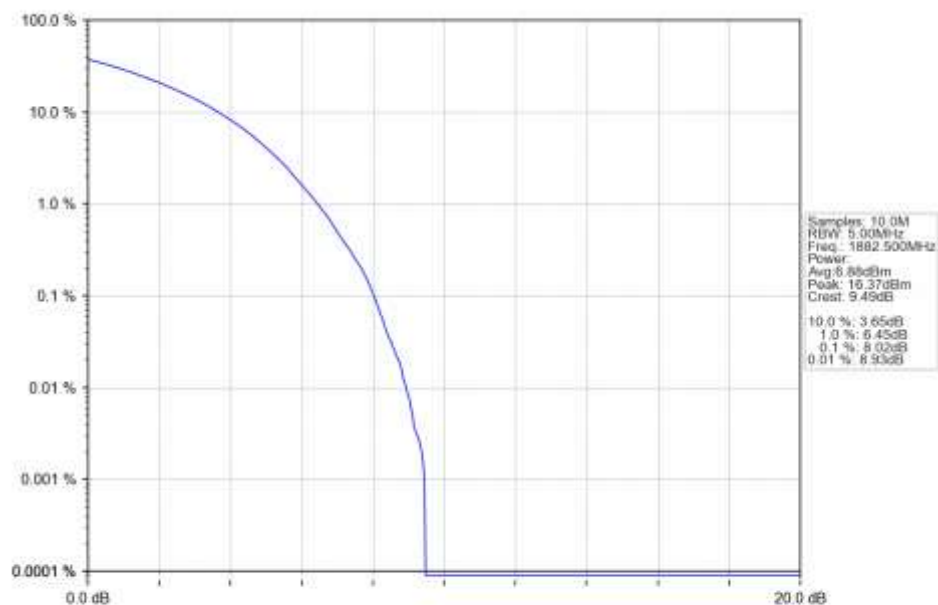
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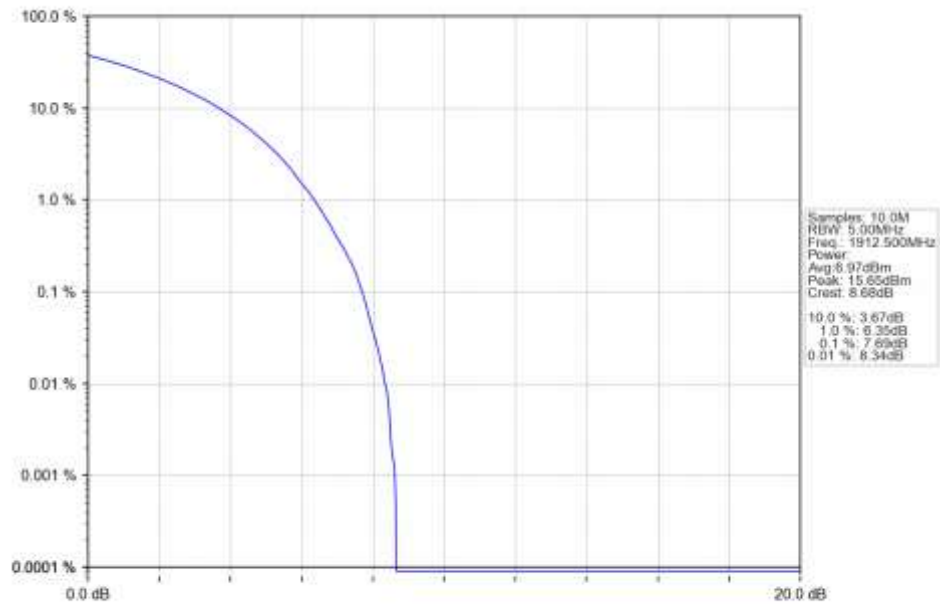
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_1852.5MHz_Outer_Full_Ant1



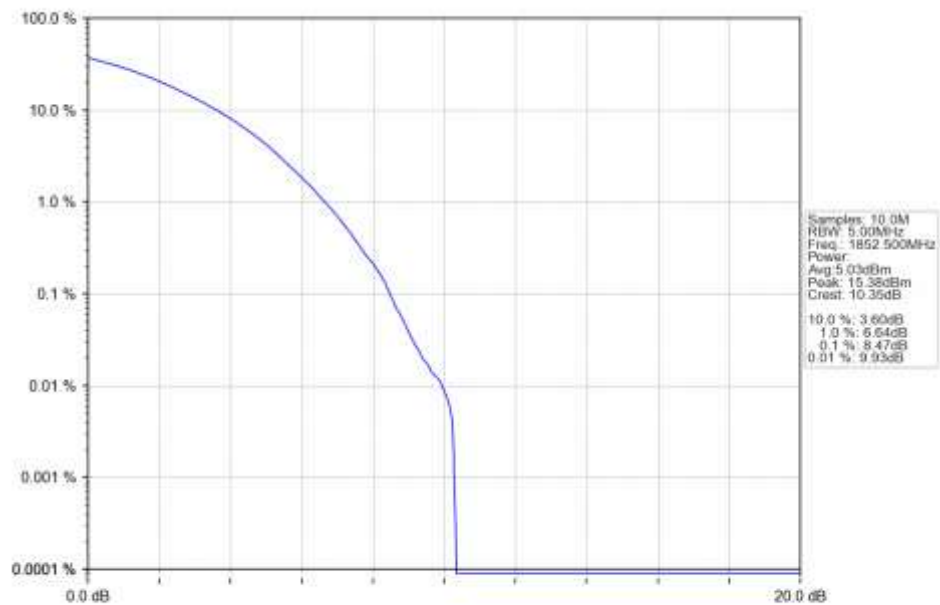
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_1882.5MHz_Outer_Full_Ant1



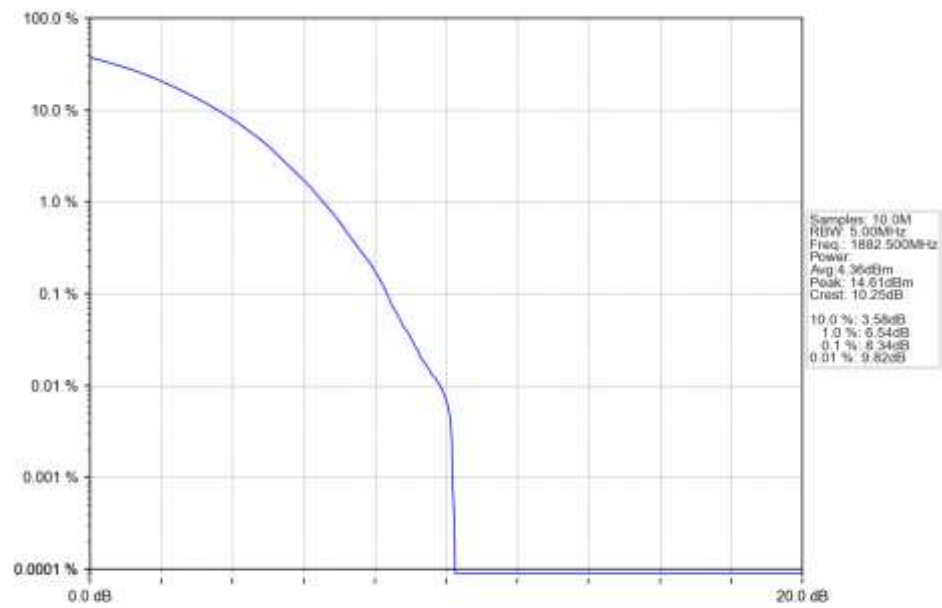
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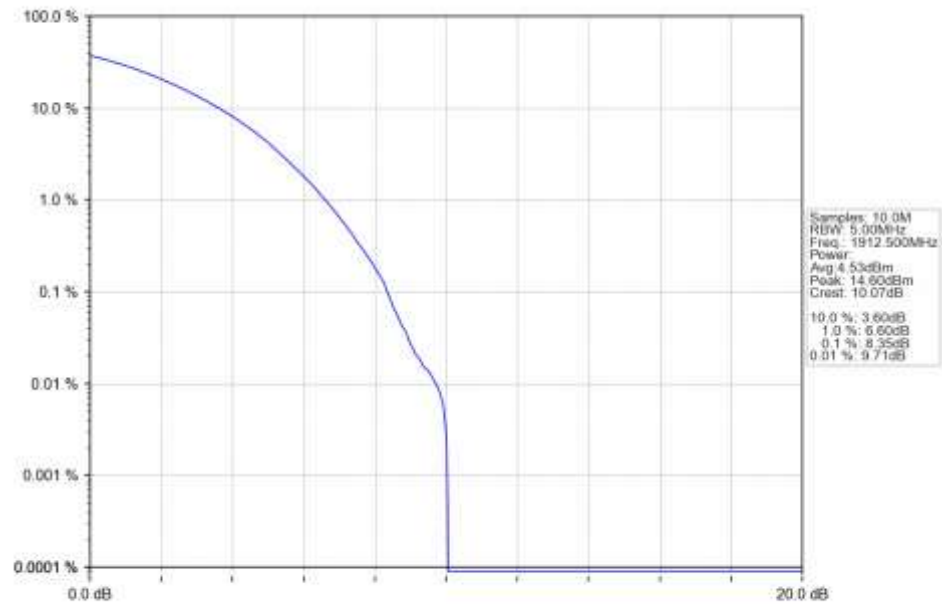
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n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full_Ant1

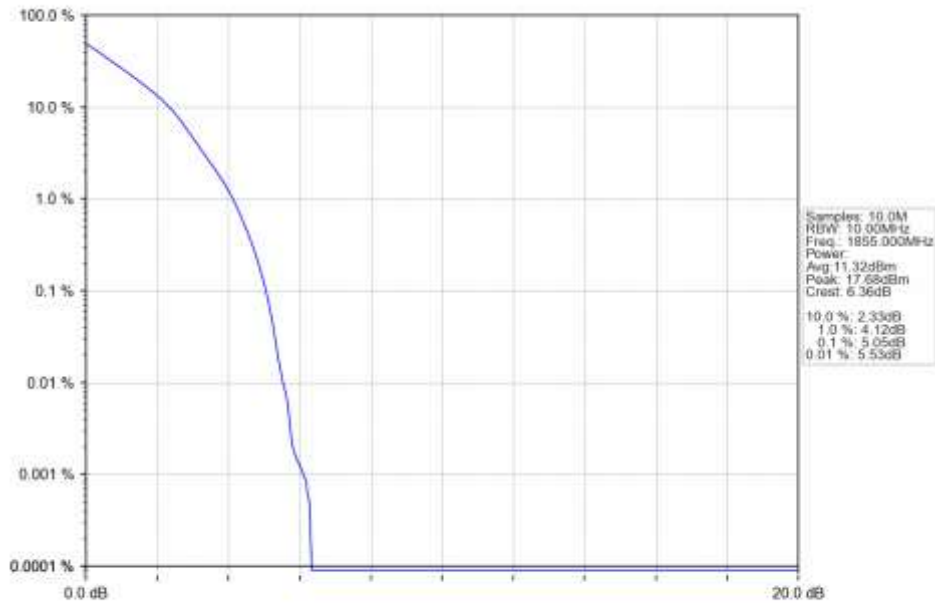


n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_1912.5MHz_Outer_Full_Ant1

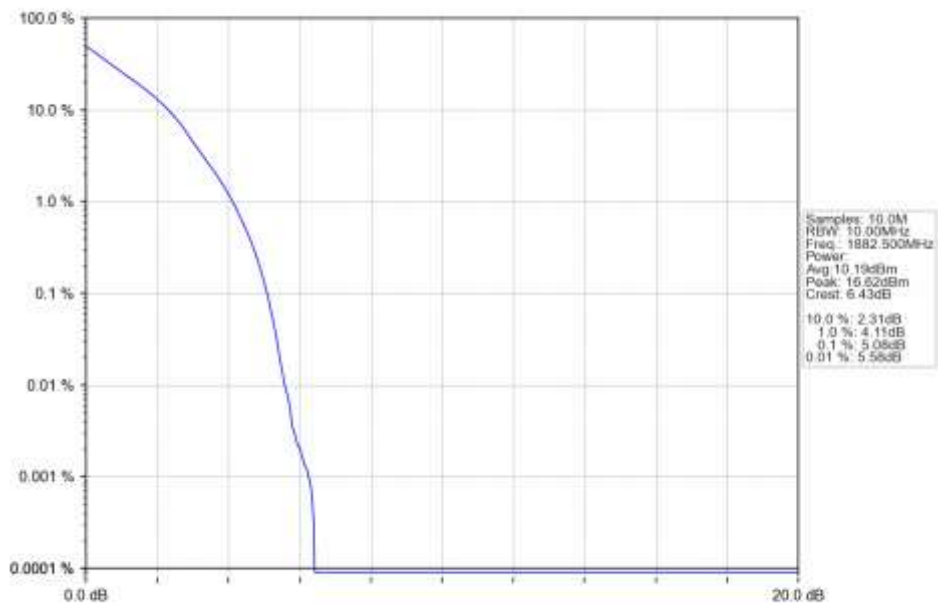


5.2.2 15k_SISO_10MHz_NTNV

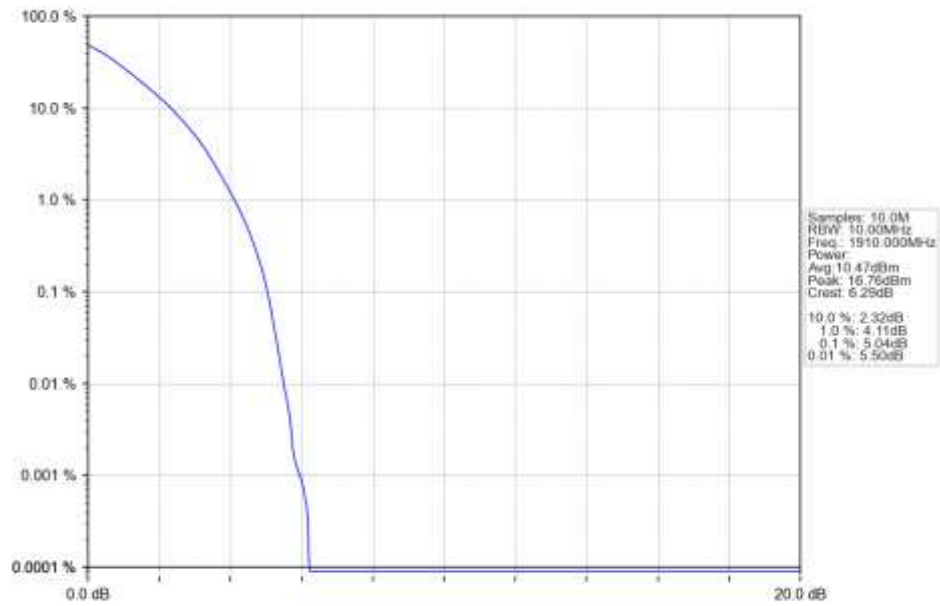
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n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1882.5MHz_Outer_Full_Ant1



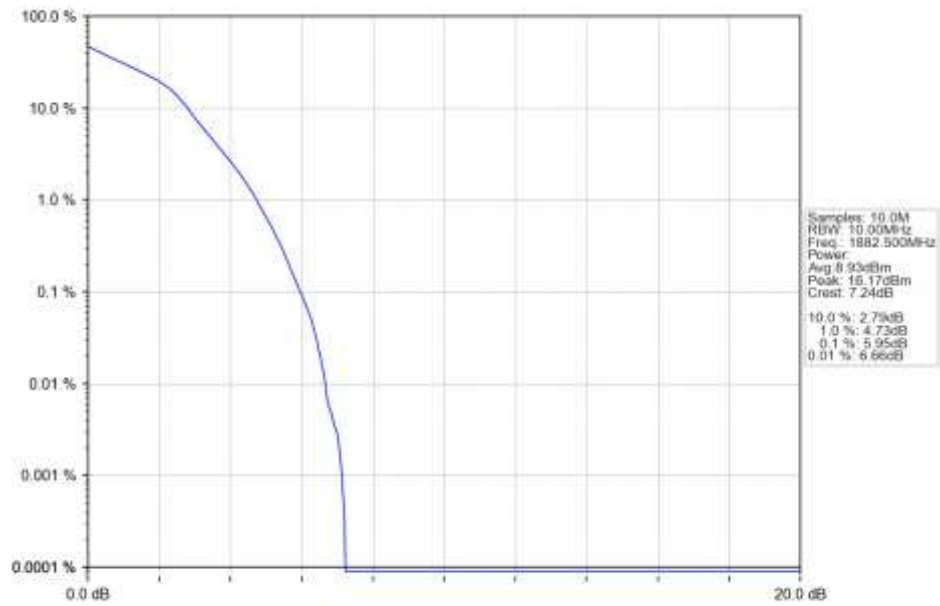
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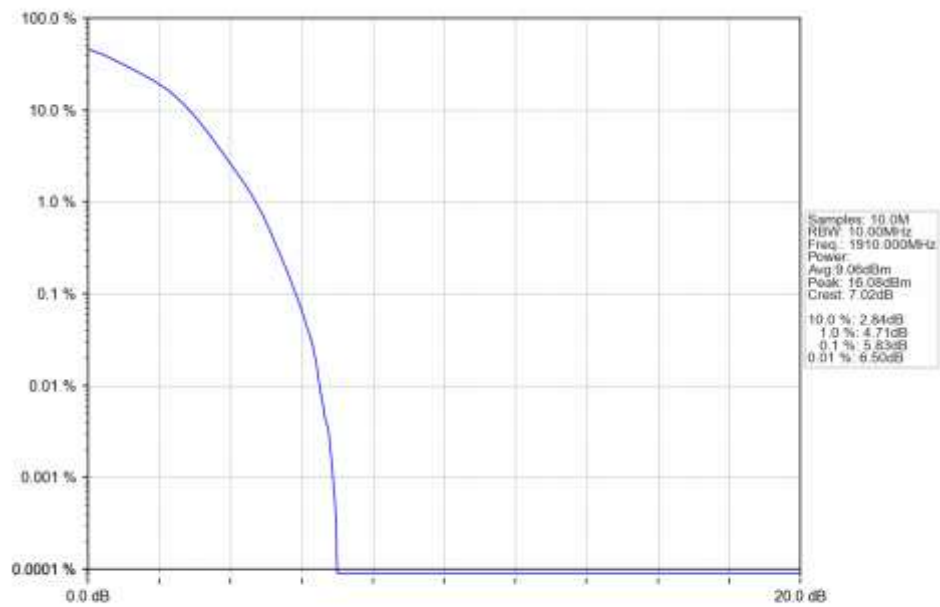
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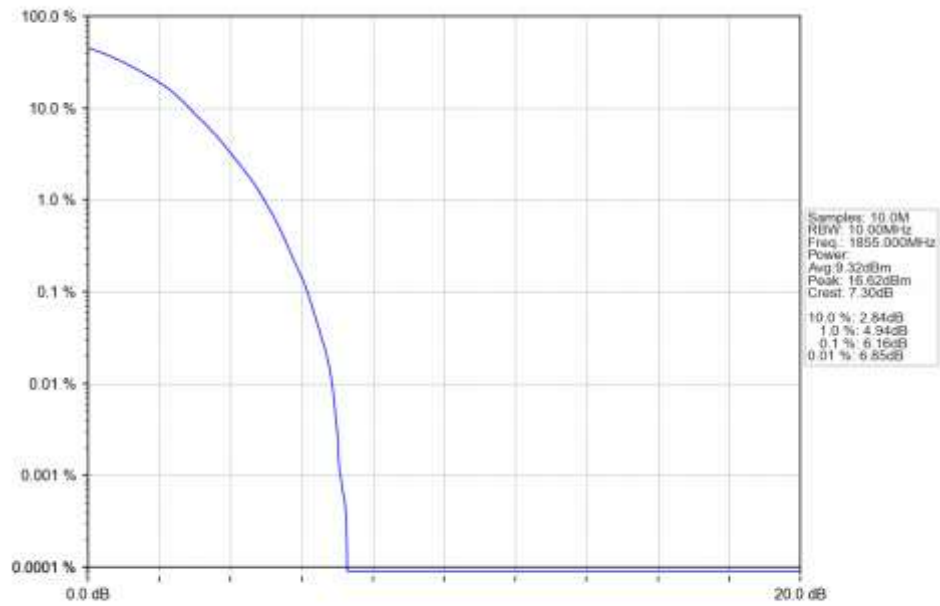
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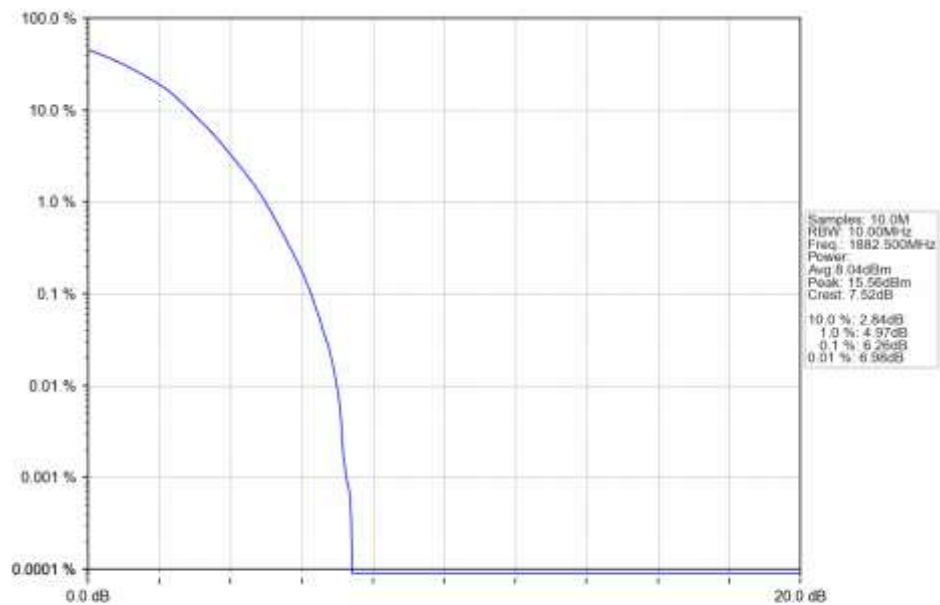
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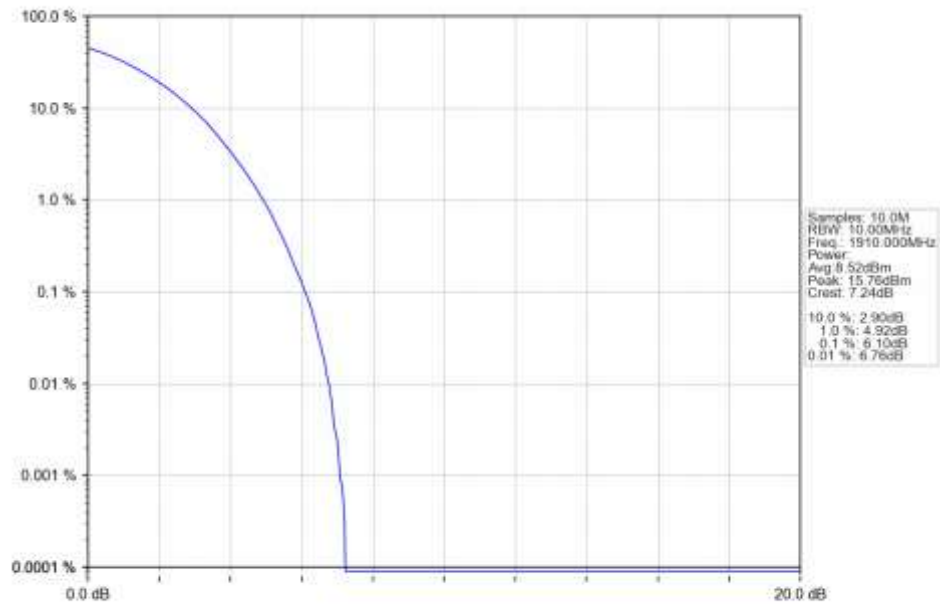
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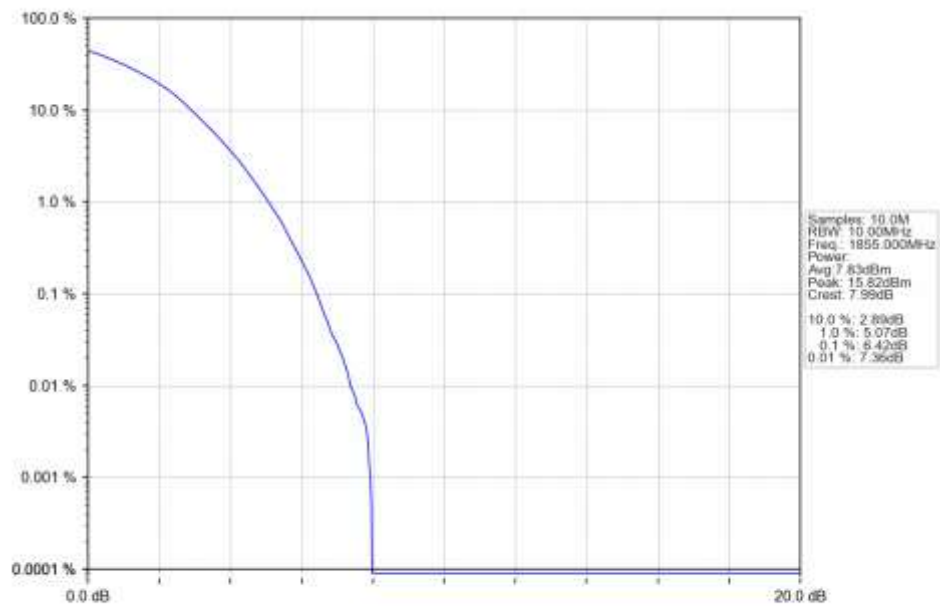
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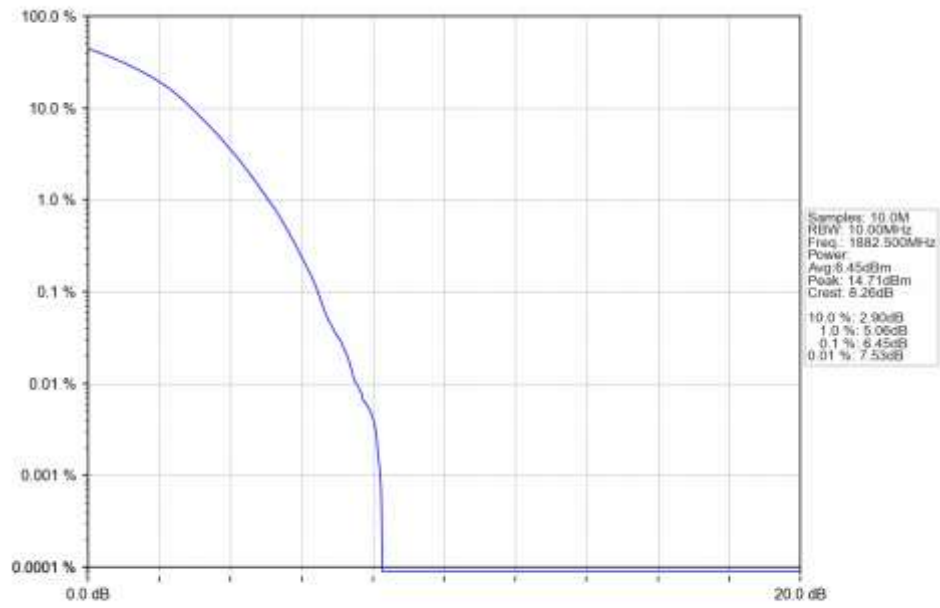
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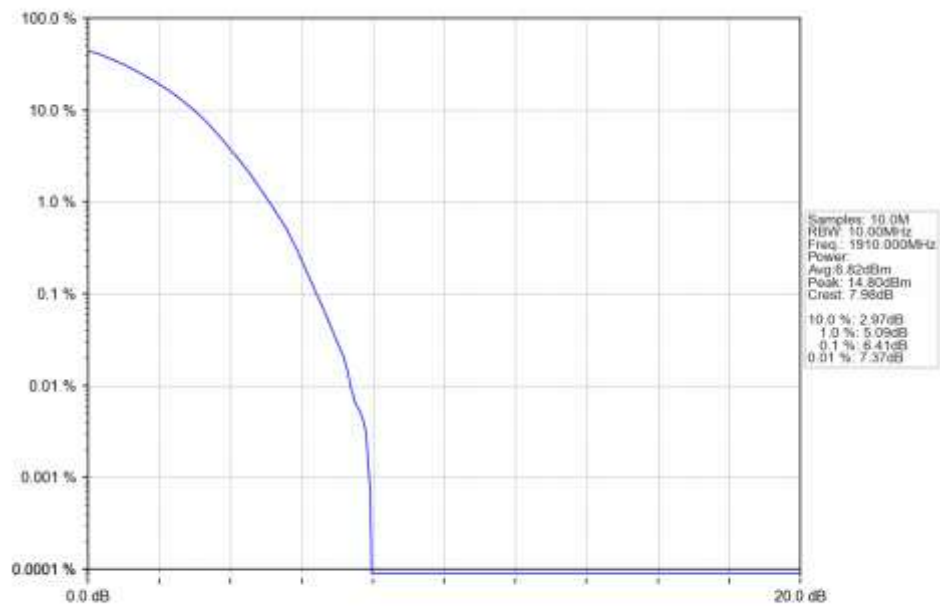
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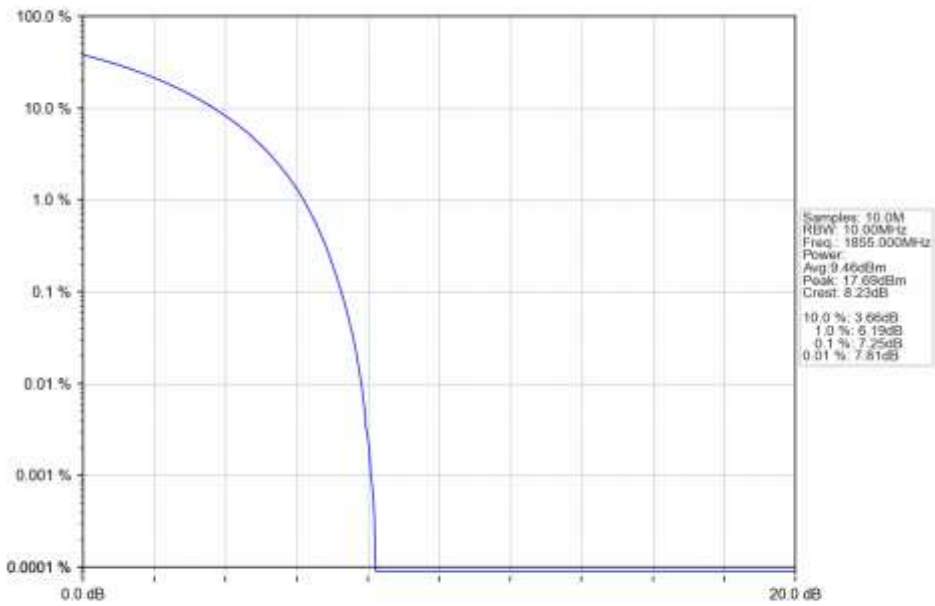
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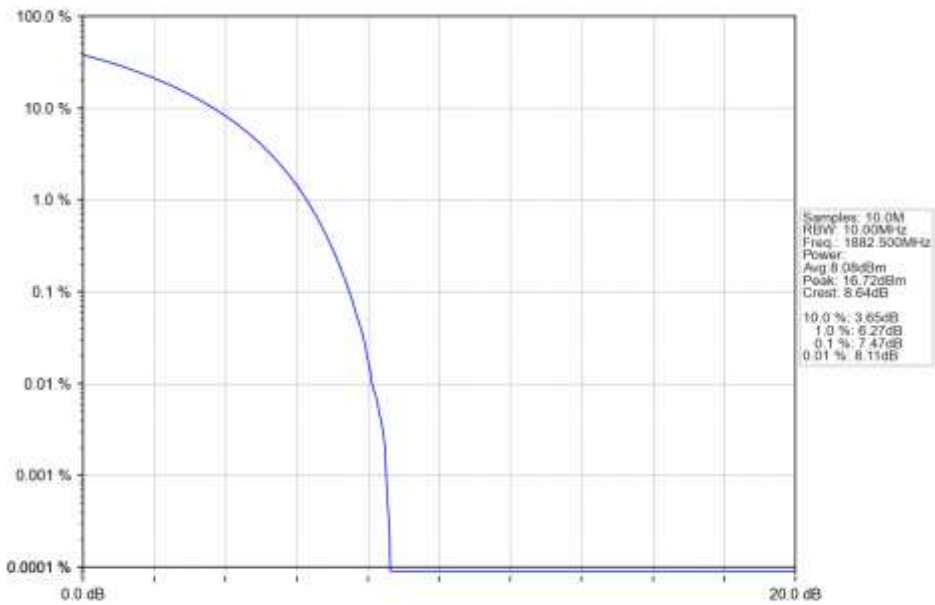
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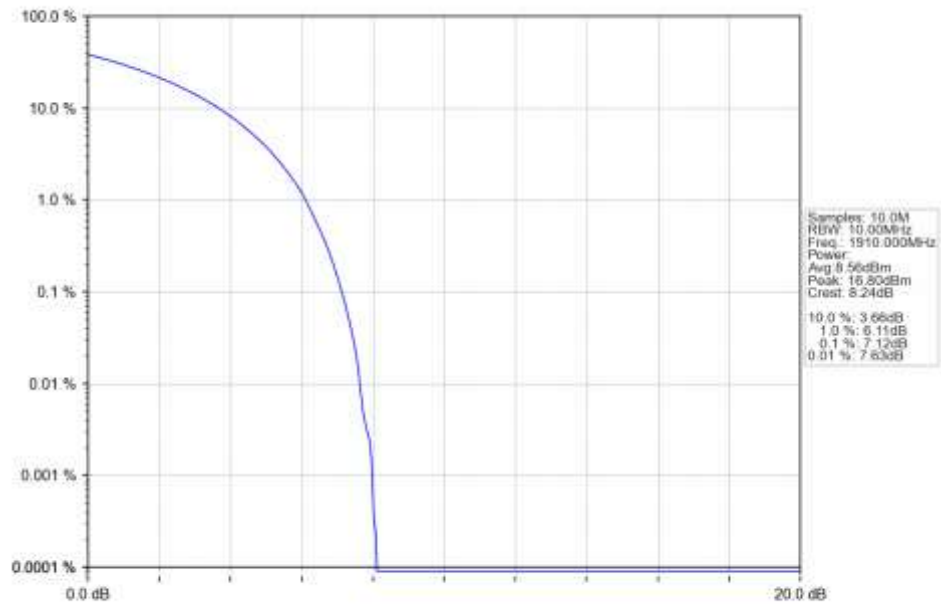
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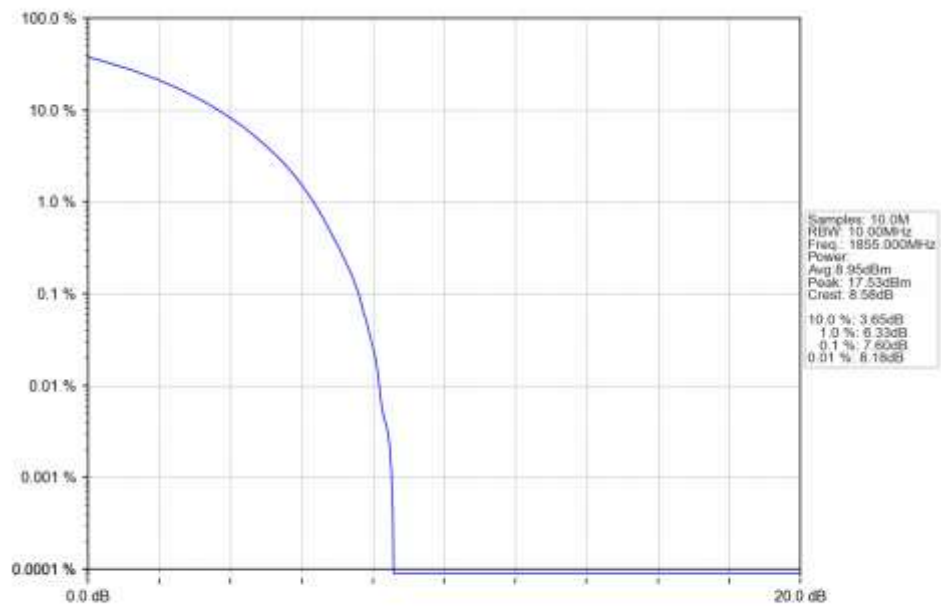
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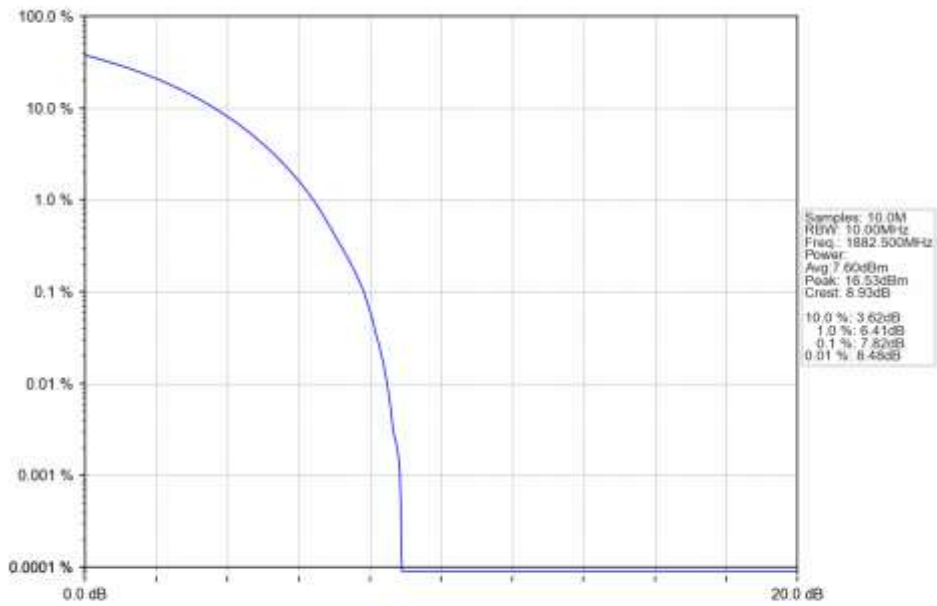
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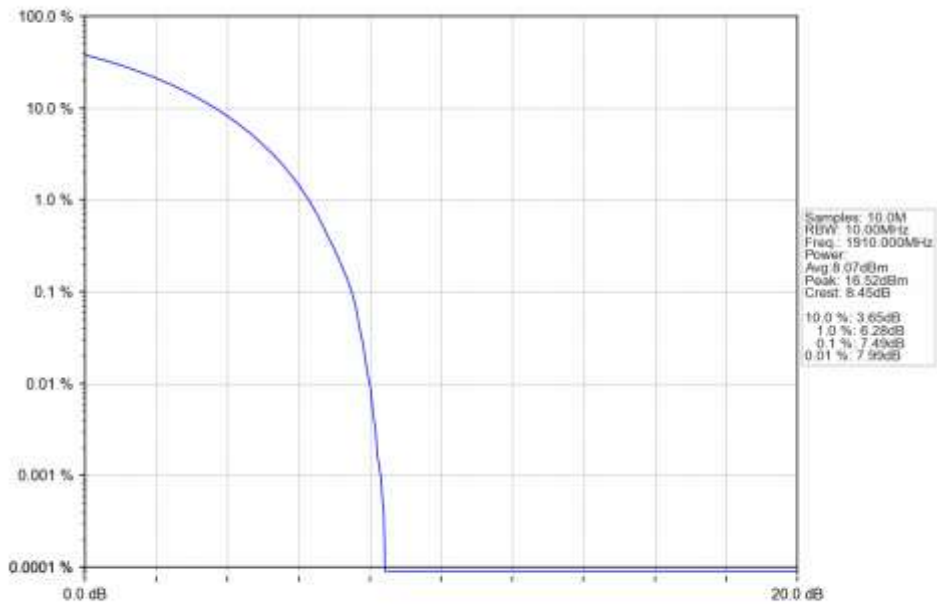
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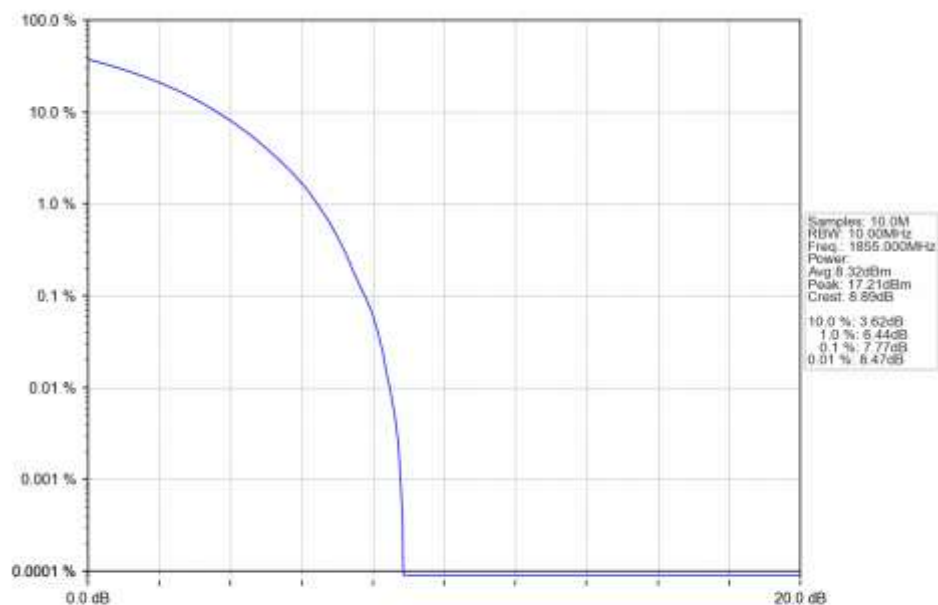
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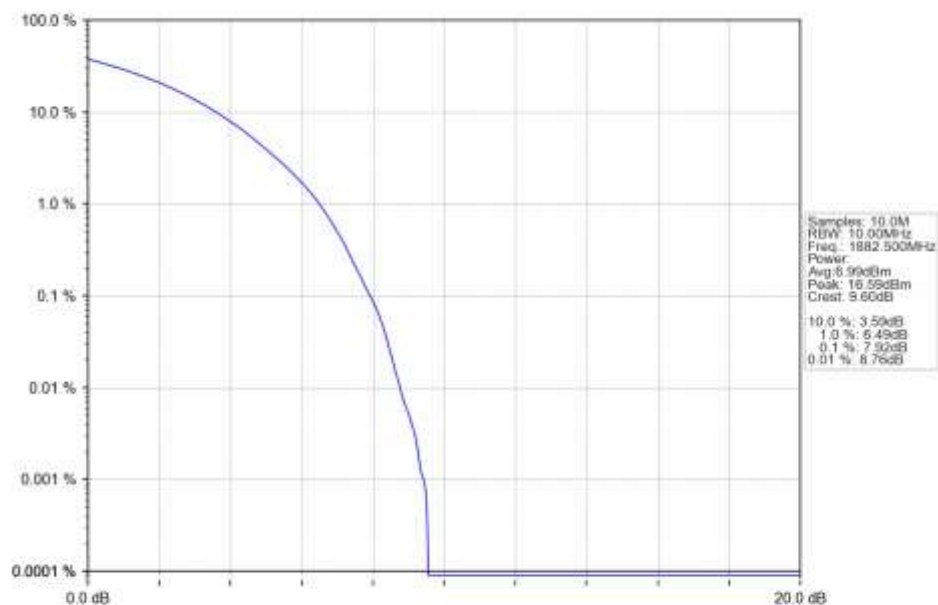
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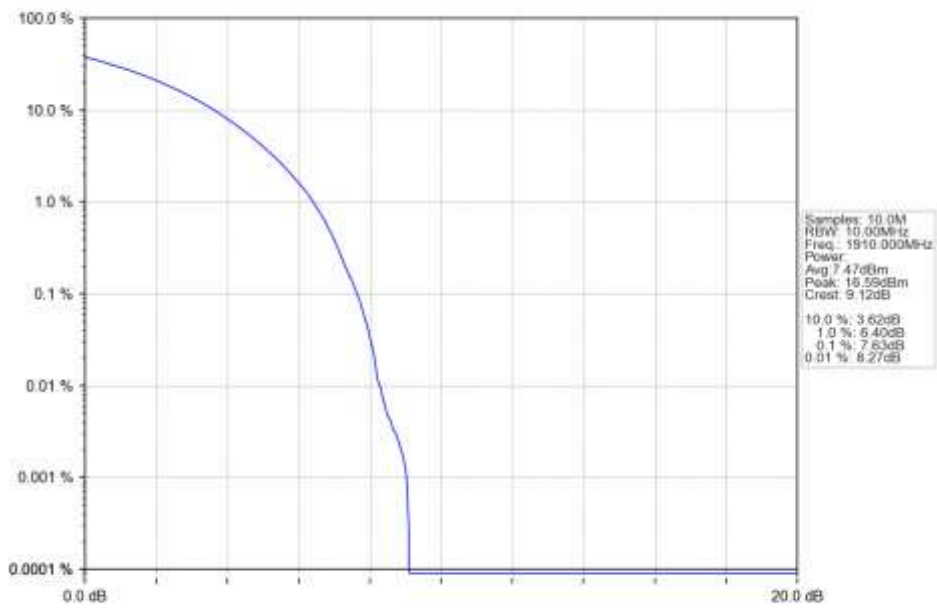
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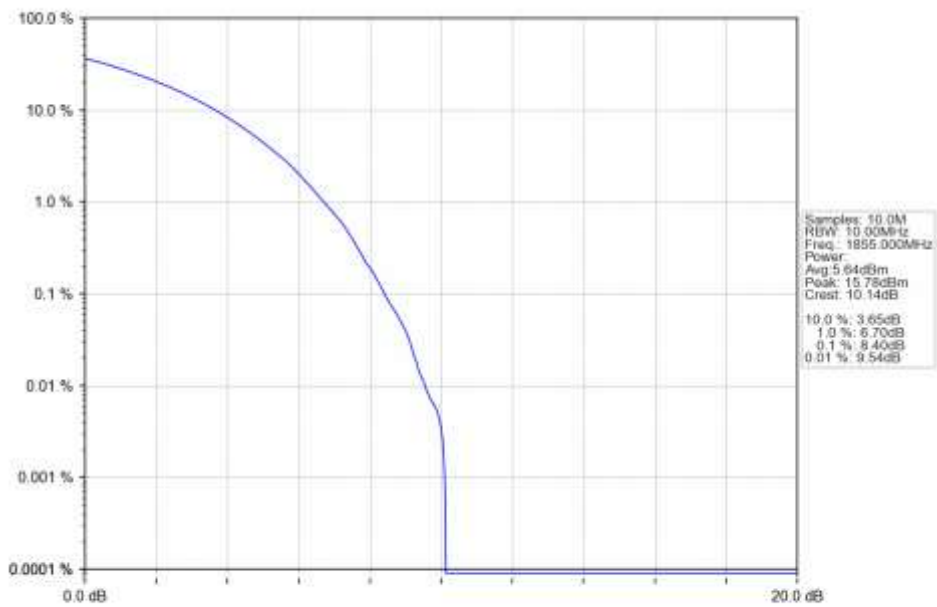
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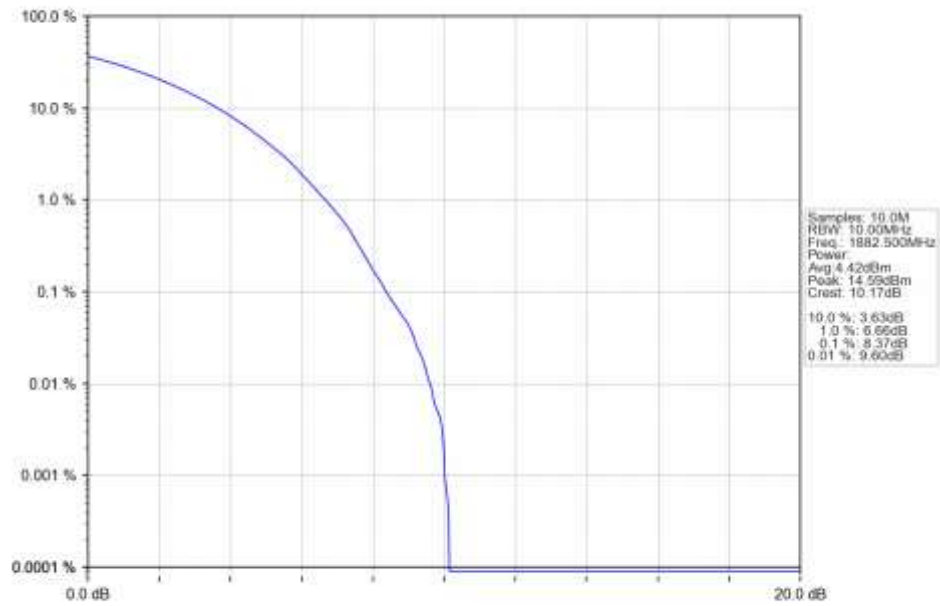
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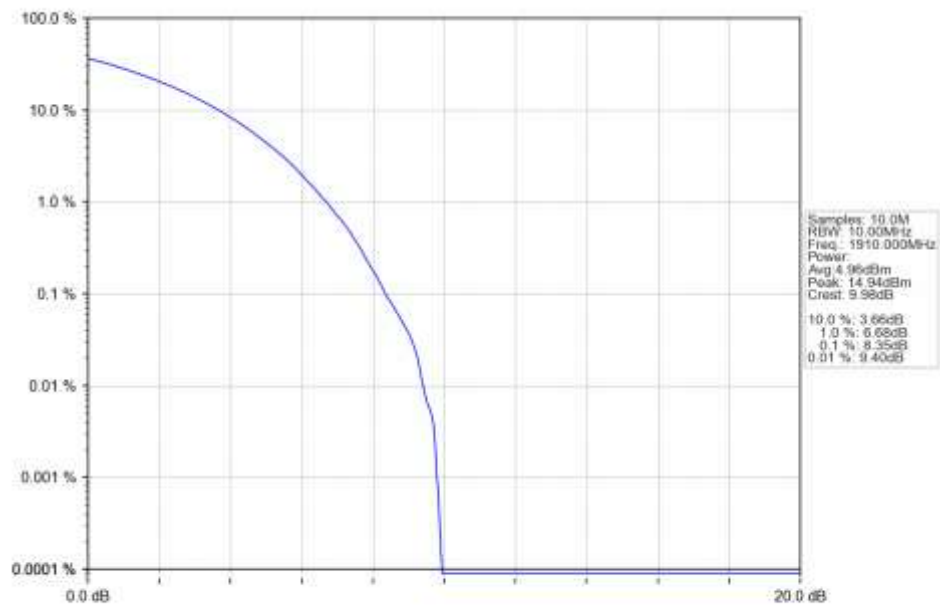
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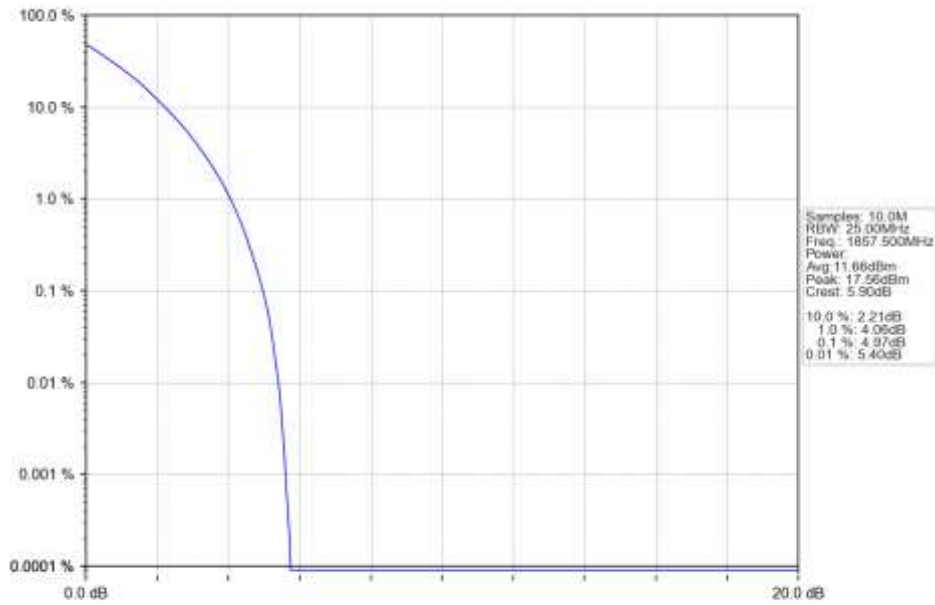


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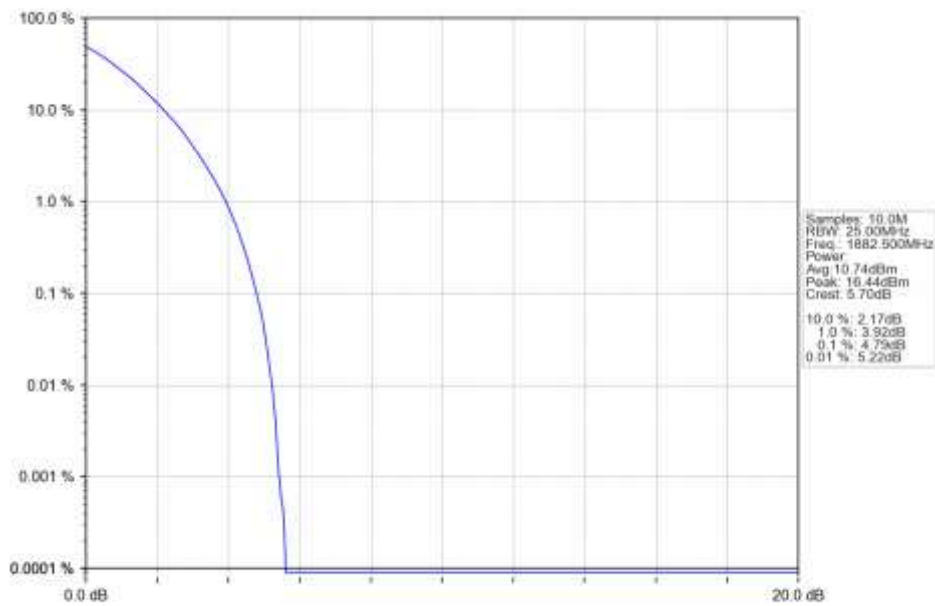


5.2.3 15k_SISO_15MHz_NTNV

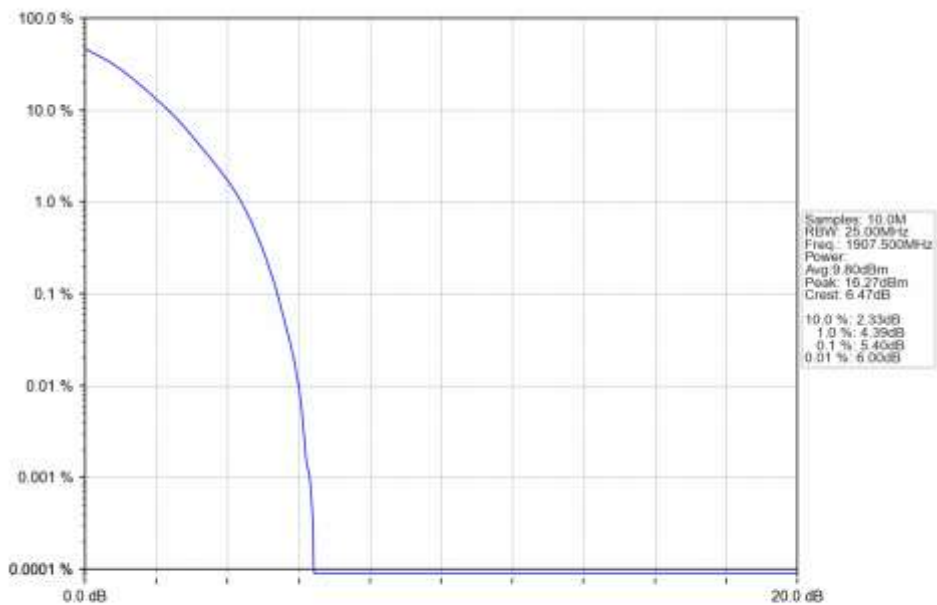
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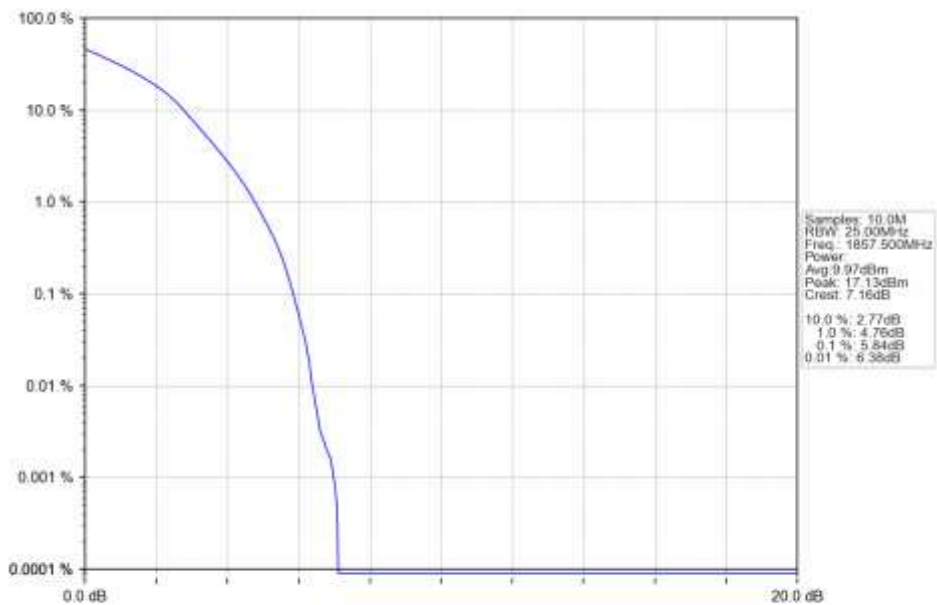
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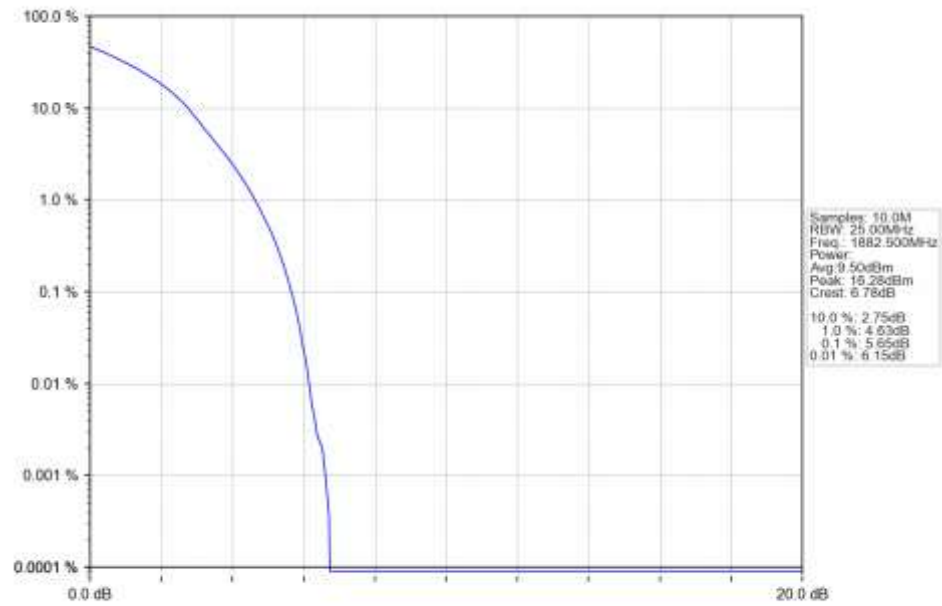
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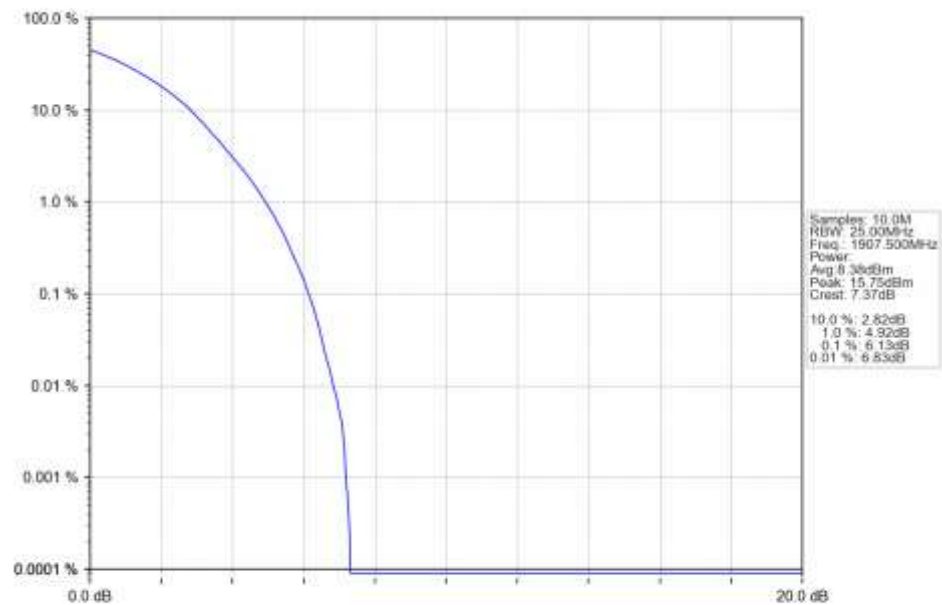
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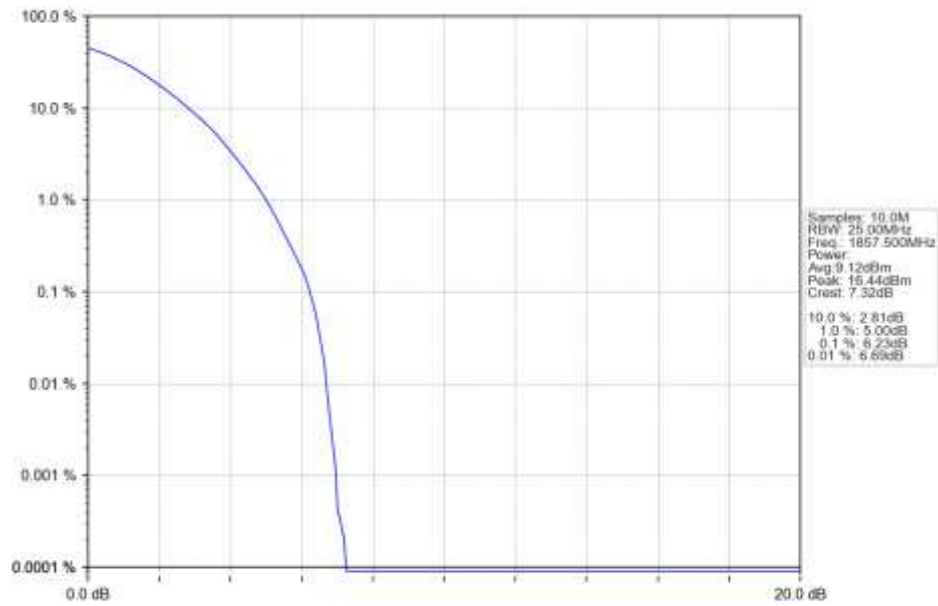
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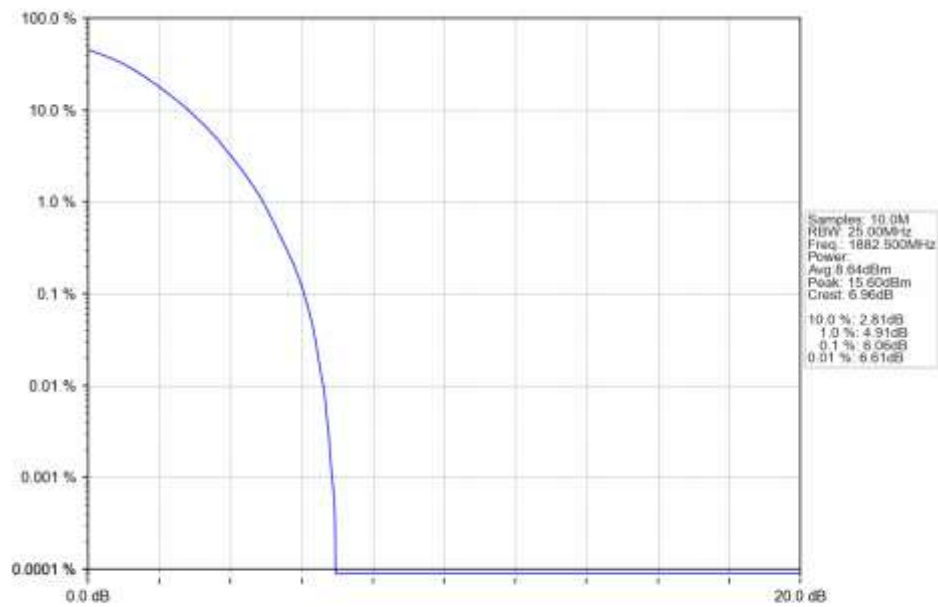
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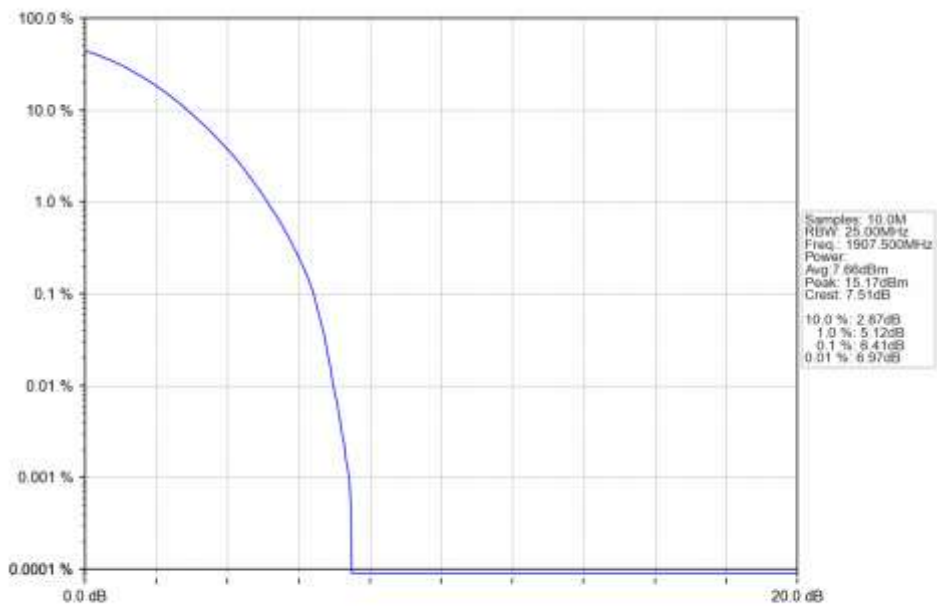
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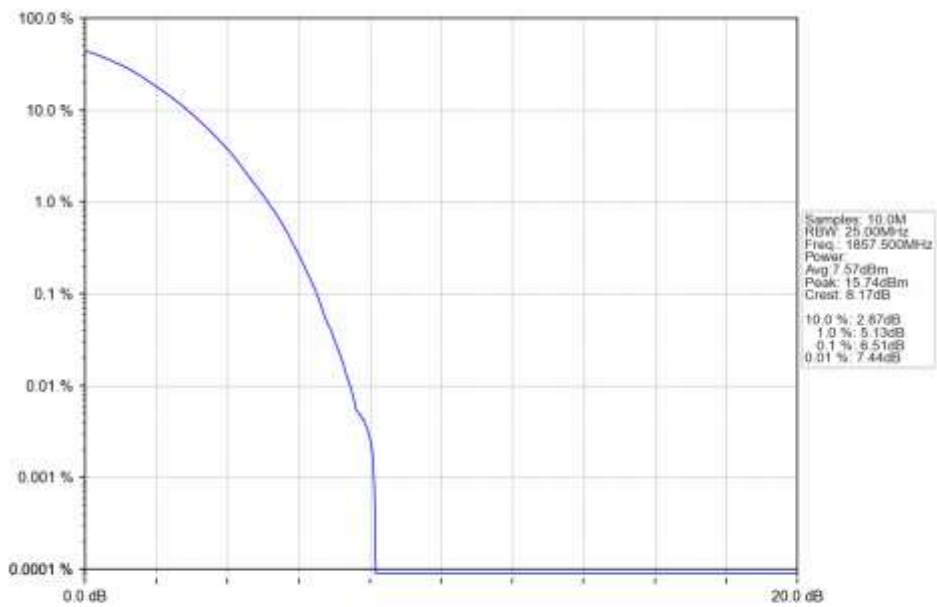
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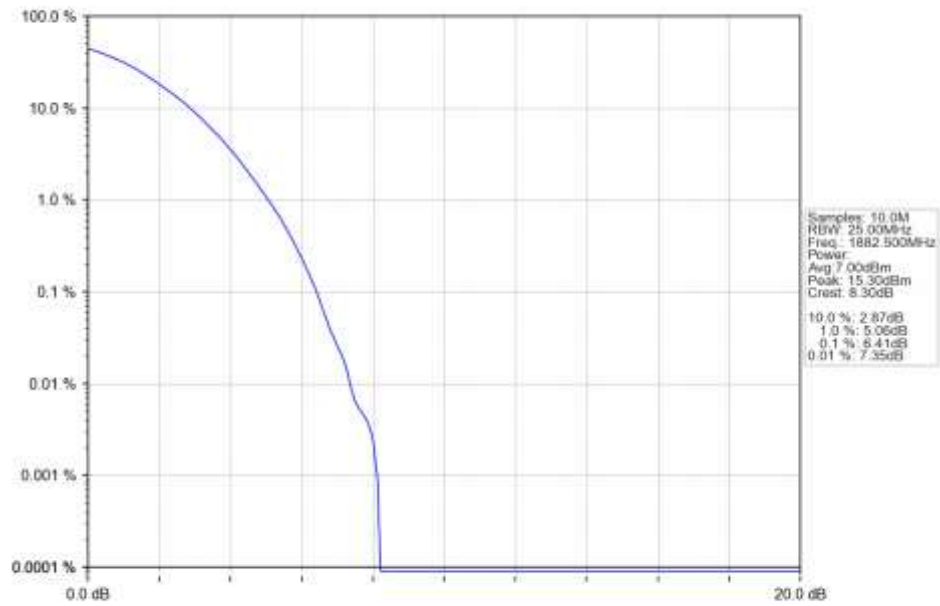
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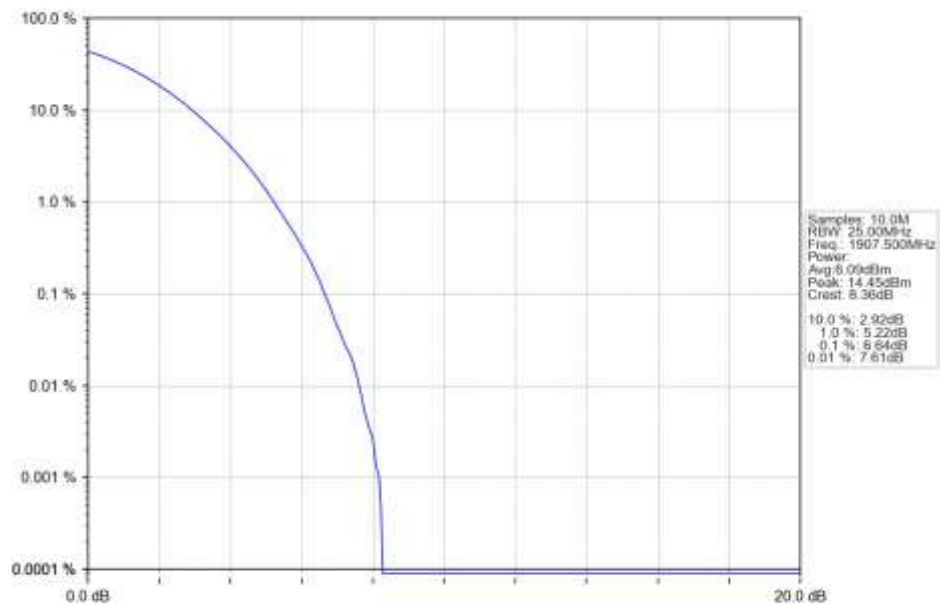
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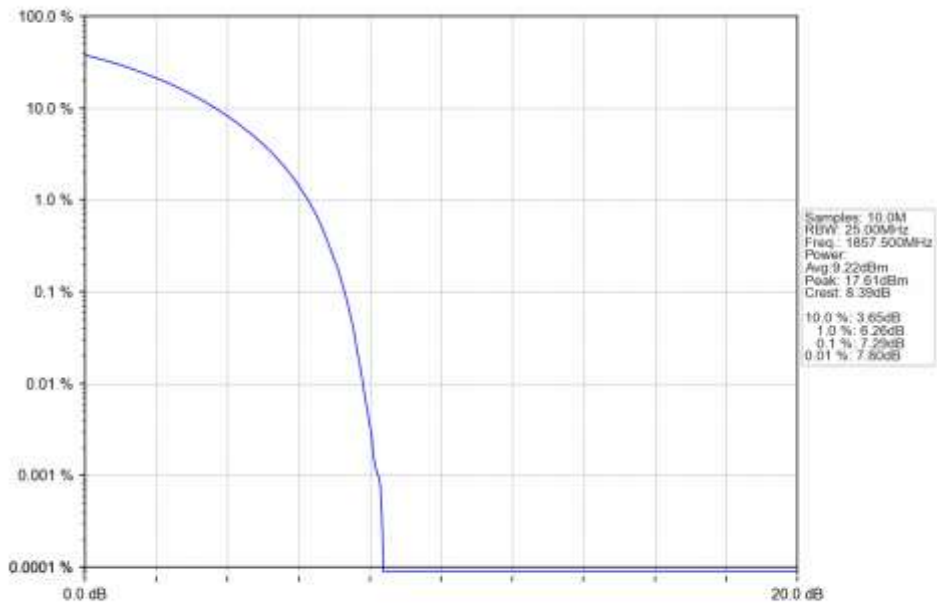
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n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1907.5MHz_Outer_Full_Ant1



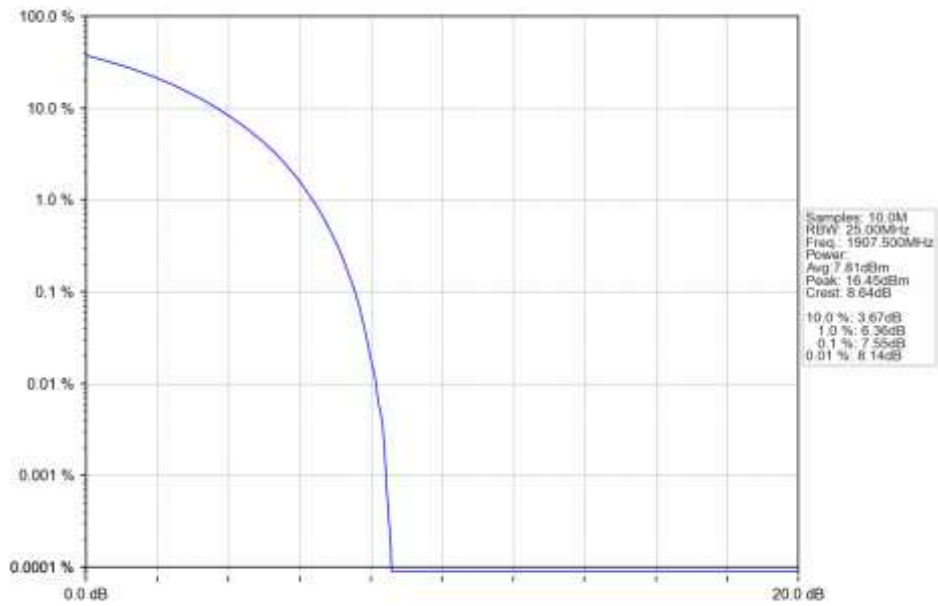
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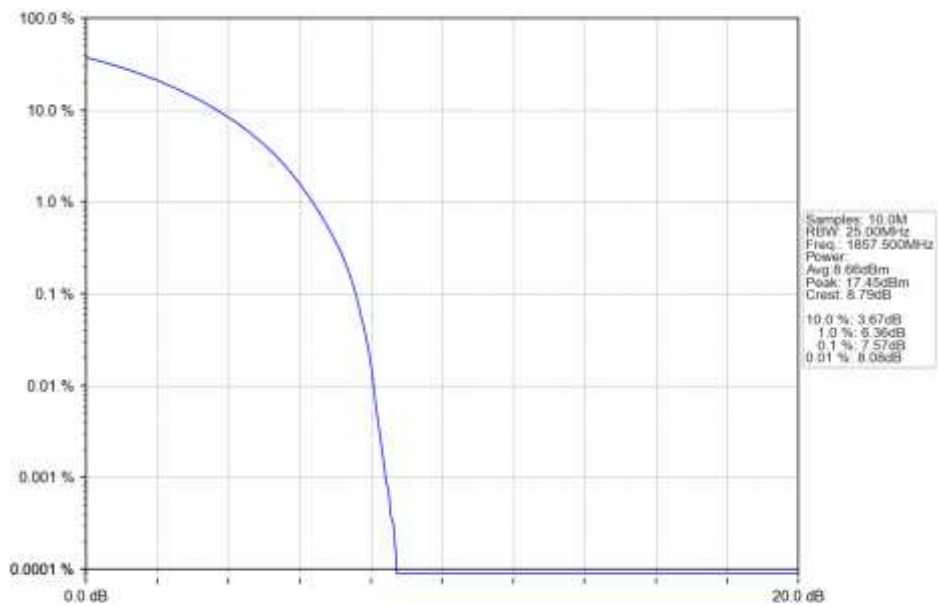
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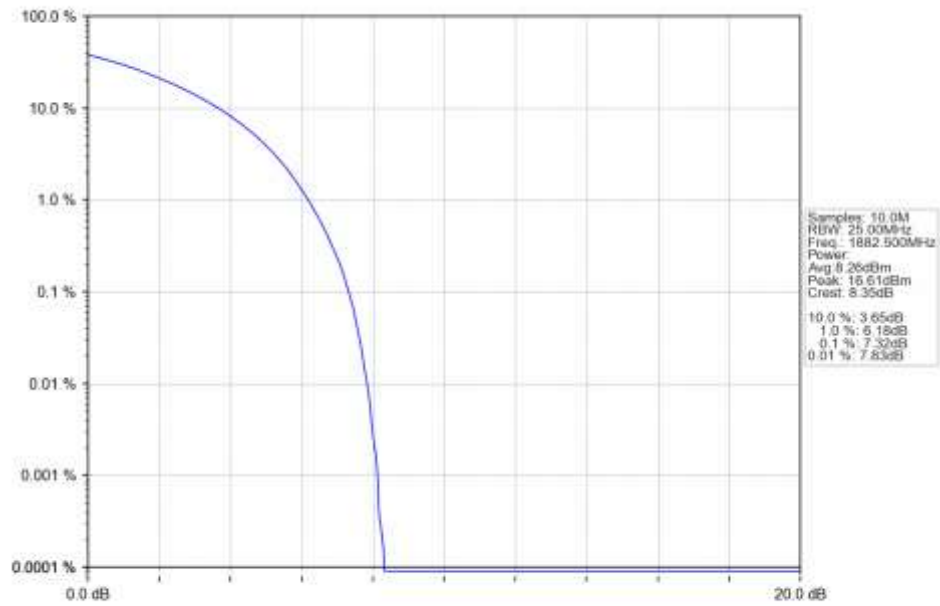
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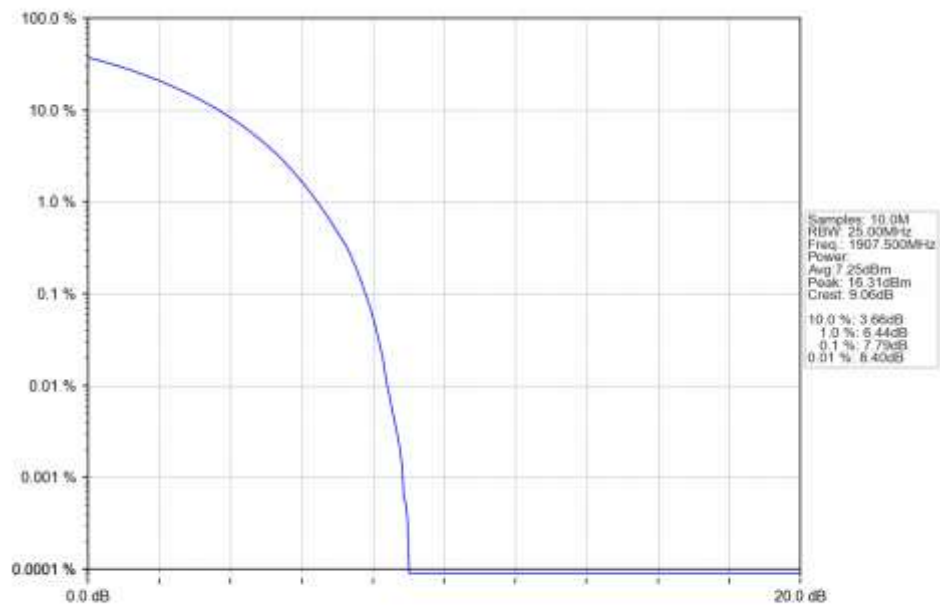
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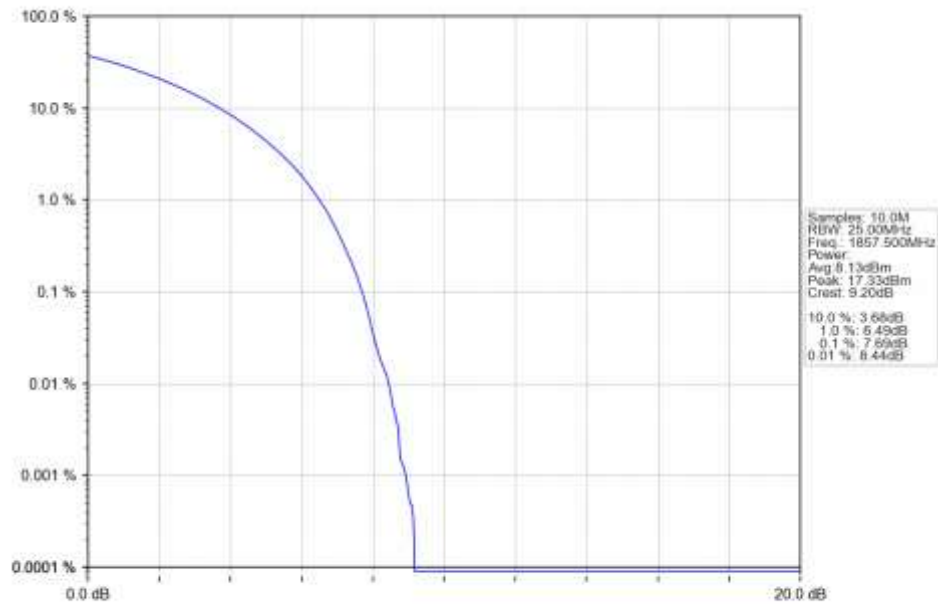
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n25_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_1907.5MHz_Outer_Full_Ant1



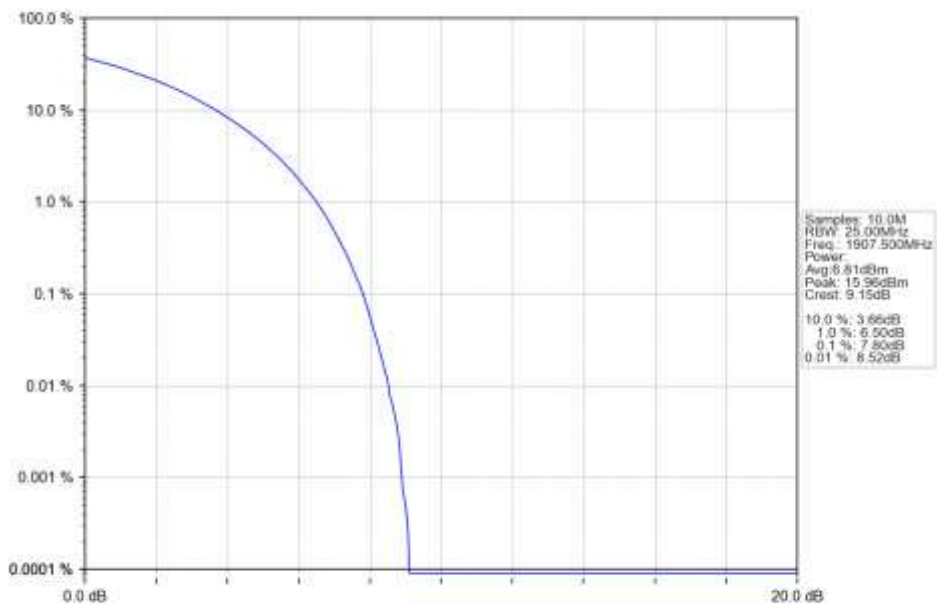
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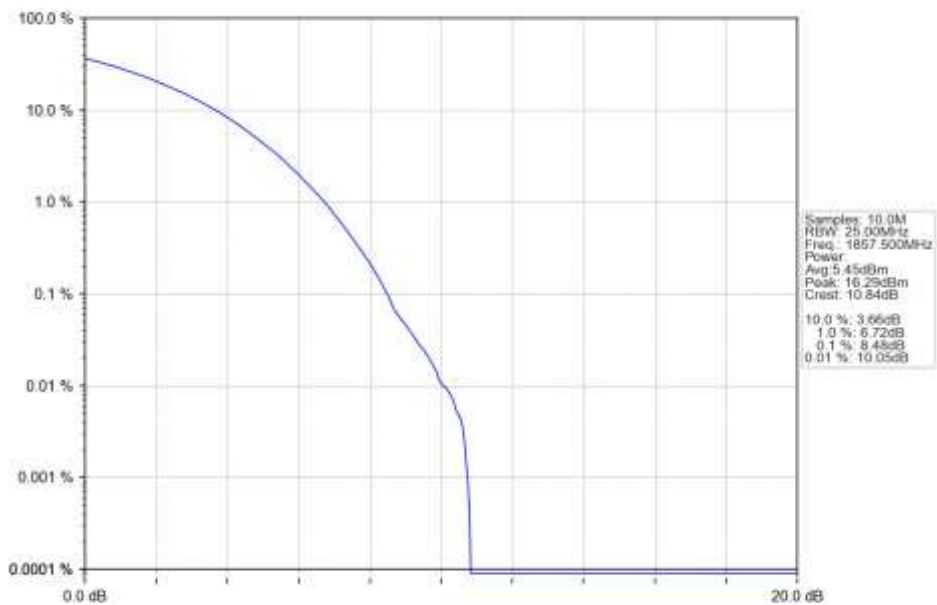
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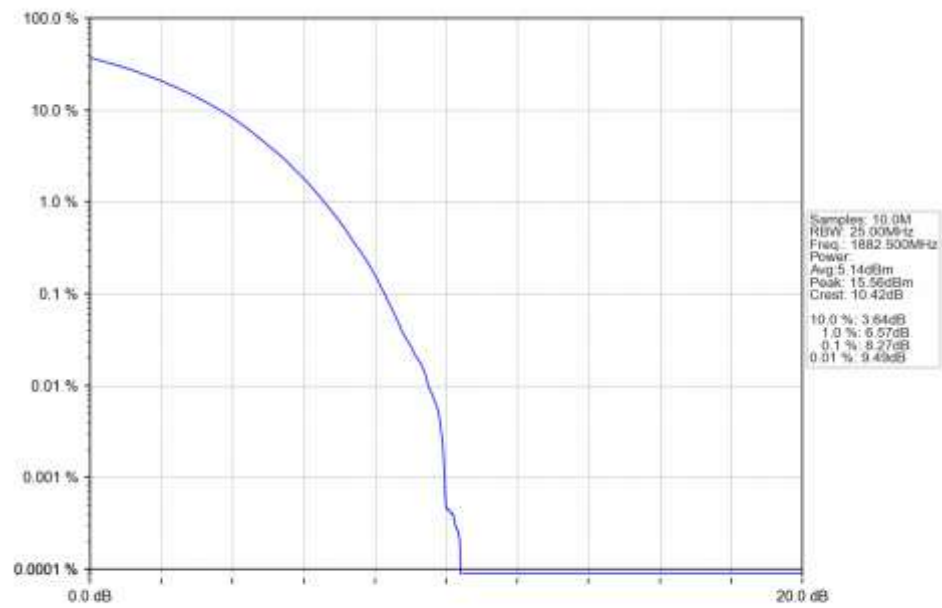
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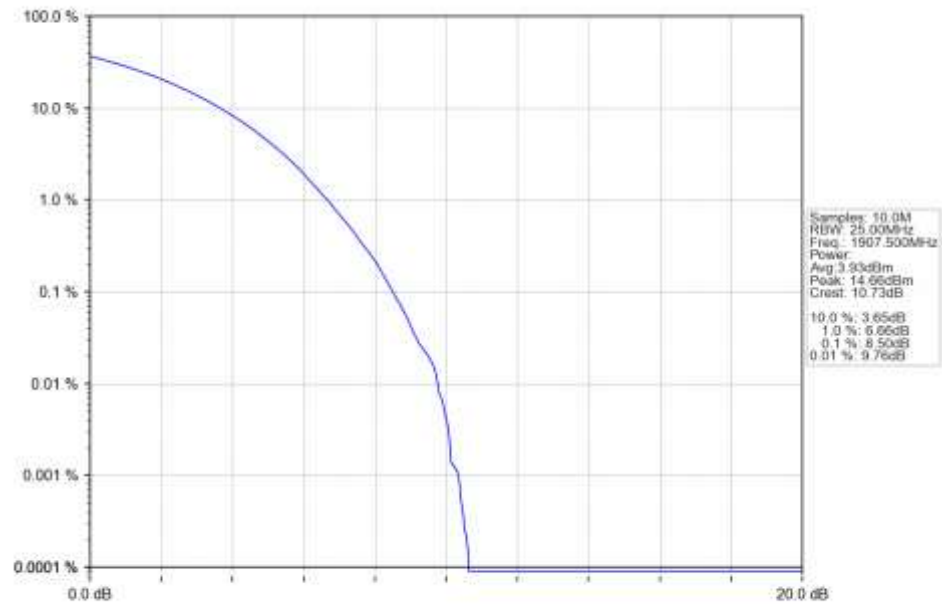
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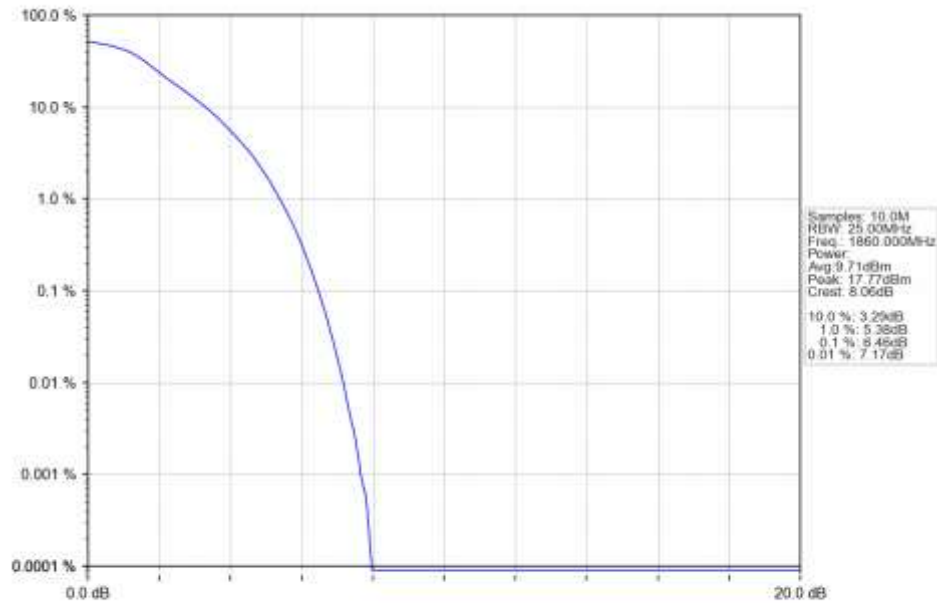


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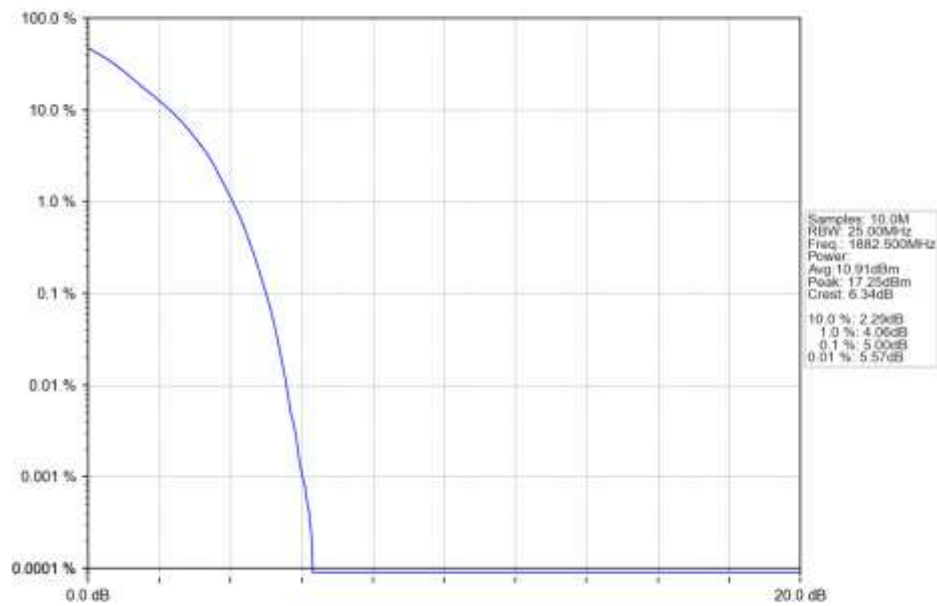


5.2.4 15k_SISO_20MHz_NTNV

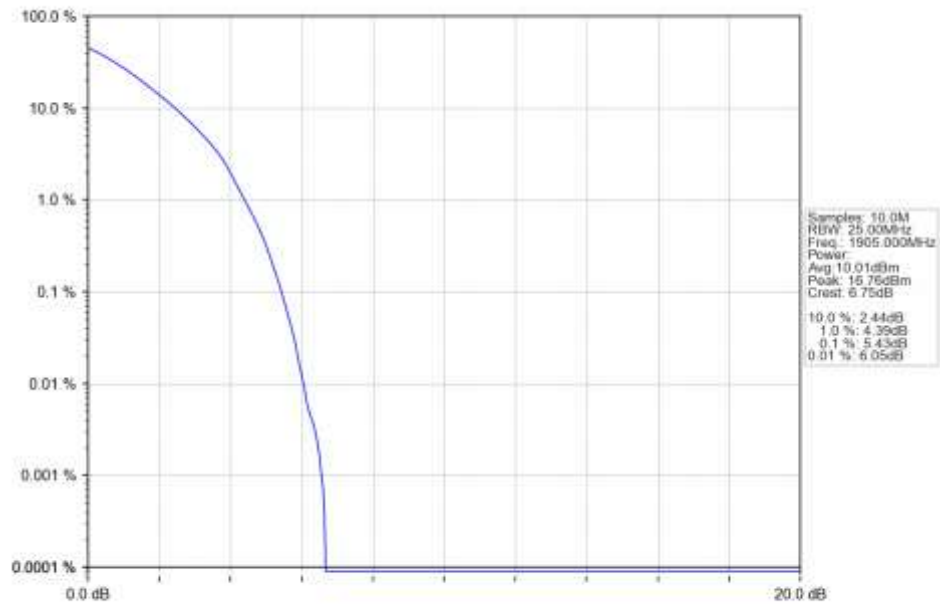
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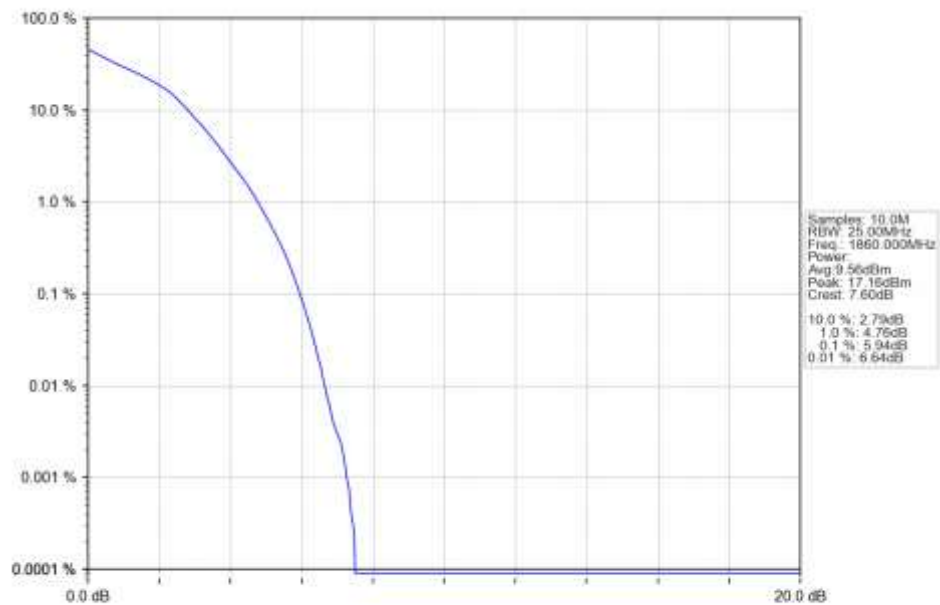
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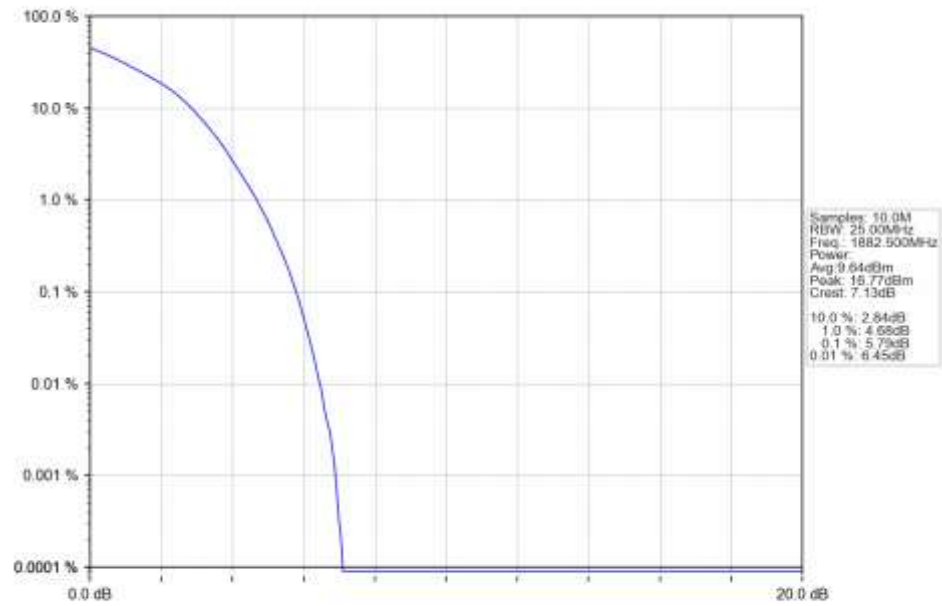
n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1905MHz_Outer_Full_Ant1



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1860MHz_Outer_Full_Ant1



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full_Ant1



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1905MHz_Outer_Full_Ant1

