1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n12 SCS=15kHz SISO 5MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	701.5	Edge_1RB_Left	23.58	/	/	19.87	/	/	<=34.77	Pass
		Edge_1RB_Right	23.40	/	/	19.69	/	/	<=34.77	Pass
		Outer_Full	23.51	/	/	19.80	/	/	<=34.77	Pass
		Inner_Full	24.05	/	/	20.34	/	/	<=34.77	Pass
		Inner_1RB_Left	24.14	/	/	20.43	/	/	<=34.77	Pass
		Inner_1RB_Right	23.87	/	/	20.16	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.39	/	/	19.68	/	/	<=34.77	Pass
		Edge_1RB_Right	23.26	/	/	19.55	/	/	<=34.77	Pass
		Outer_Full	23.31	/	/	19.60	/	/	<=34.77	Pass
		Inner_Full	23.73	/	/	20.02	/	/	<=34.77	Pass
		Inner_1RB_Left	23.85	/	/	20.14	/	/	<=34.77	Pass
		Inner_1RB_Right	23.83	/	/	20.12	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	23.09	/	/	19.38	/	/	<=34.77	Pass
		Edge_1RB_Right	22.98	/	/	19.27	/	/	<=34.77	Pass
		Outer_Full	23.02	/	/	19.31	/	/	<=34.77	Pass
		Inner_Full	23.59	/	/	19.88	/	/	<=34.77	Pass
		Inner_1RB_Left	23.55	/	/	19.84	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	19.67	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	701.5	Edge_1RB_Left	23.13	/	/	19.42	/	/	<=34.77	Pass
		Edge_1RB_Right	22.97	/	/	19.26	/	/	<=34.77	Pass
		Outer_Full	23.01	/	/	19.30	/	/	<=34.77	Pass
		Inner_Full	24.10	/	/	20.39	/	/	<=34.77	Pass
		Inner_1RB_Left	24.09	/	/	20.38	/	/	<=34.77	Pass
		Inner_1RB_Right	23.94	/	/	20.23	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.88	/	/	19.17	/	/	<=34.77	Pass
		Edge_1RB_Right	22.60	/	/	18.89	/	/	<=34.77	Pass
		Outer_Full	22.77	/	/	19.06	/	/	<=34.77	Pass
		Inner_Full	23.83	/	/	20.12	/	/	<=34.77	Pass
		Inner_1RB_Left	23.91	/	/	20.20	/	/	<=34.77	Pass
		Inner_1RB_Right	23.58	/	/	19.87	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	22.68	/	/	18.97	/	/	<=34.77	Pass
		Edge_1RB_Right	22.38	/	/	18.67	/	/	<=34.77	Pass
		Outer_Full	22.49	/	/	18.78	/	/	<=34.77	Pass
		Inner_Full	23.51	/	/	19.80	/	/	<=34.77	Pass
		Inner_1RB_Left	23.58	/	/	19.87	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	19.67	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	701.5	Edge_1RB_Left	22.23	/	/	18.52	/	/	<=34.77	Pass
		Edge_1RB_Right	22.00	/	/	18.29	/	/	<=34.77	Pass
		Outer_Full	22.16	/	/	18.45	/	/	<=34.77	Pass
		Inner_Full	23.14	/	/	19.43	/	/	<=34.77	Pass
		Inner_1RB_Left	23.10	/	/	19.39	/	/	<=34.77	Pass
		Inner_1RB_Right	22.99	/	/	19.28	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.89	/	/	18.18	/	/	<=34.77	Pass
		Edge_1RB_Right	21.75	/	/	18.04	/	/	<=34.77	Pass
		Outer_Full	21.92	/	/	18.21	/	/	<=34.77	Pass
		Inner_Full	22.94	/	/	19.23	/	/	<=34.77	Pass
		Inner_1RB_Left	22.88	/	/	19.17	/	/	<=34.77	Pass
		Inner_1RB_Right	22.74	/	/	19.03	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	21.44	/	/	17.73	/	/	<=34.77	Pass

		Edge_1RB_Right	21.41	/	/	17.70	/	/	<=34.77	Pass
		Outer_Full	21.52	/	/	17.81	/	/	<=34.77	Pass
		Inner_Full	22.60	/	/	18.89	/	/	<=34.77	Pass
		Inner_1RB_Left	22.54	/	/	18.83	/	/	<=34.77	Pass
		Inner_1RB_Right	22.39	/	/	18.68	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	701.5	Edge_1RB_Left	21.79	/	/	18.08	/	/	<=34.77	Pass
		Edge_1RB_Right	21.62	/	/	17.91	/	/	<=34.77	Pass
		Outer_Full	21.55	/	/	17.84	/	/	<=34.77	Pass
		Inner_Full	21.67	/	/	17.96	/	/	<=34.77	Pass
		Inner_1RB_Left	21.86	/	/	18.15	/	/	<=34.77	Pass
		Inner_1RB_Right	21.68	/	/	17.97	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.52	/	/	17.81	/	/	<=34.77	Pass
		Edge_1RB_Right	21.48	/	/	17.77	/	/	<=34.77	Pass
		Outer_Full	21.37	/	/	17.66	/	/	<=34.77	Pass
		Inner_Full	21.47	/	/	17.76	/	/	<=34.77	Pass
		Inner_1RB_Left	21.56	/	/	17.85	/	/	<=34.77	Pass
		Inner_1RB_Right	21.46	/	/	17.75	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	21.26	/	/	17.55	/	/	<=34.77	Pass
		Edge_1RB_Right	21.14	/	/	17.43	/	/	<=34.77	Pass
		Outer_Full	21.05	/	/	17.34	/	/	<=34.77	Pass
		Inner_Full	21.08	/	/	17.37	/	/	<=34.77	Pass
		Inner_1RB_Left	21.23	/	/	17.52	/	/	<=34.77	Pass
		Inner_1RB_Right	21.17	/	/	17.46	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	701.5	Edge_1RB_Left	19.04	/	/	15.33	/	/	<=34.77	Pass
		Edge_1RB_Right	18.85	/	/	15.14	/	/	<=34.77	Pass
		Outer_Full	19.48	/	/	15.77	/	/	<=34.77	Pass
		Inner_Full	19.61	/	/	15.90	/	/	<=34.77	Pass
		Inner_1RB_Left	19.07	/	/	15.36	/	/	<=34.77	Pass
		Inner_1RB_Right	18.83	/	/	15.12	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	18.81	/	/	15.10	/	/	<=34.77	Pass
		Edge_1RB_Right	18.65	/	/	14.94	/	/	<=34.77	Pass
		Outer_Full	19.28	/	/	15.57	/	/	<=34.77	Pass
		Inner_Full	19.37	/	/	15.66	/	/	<=34.77	Pass
		Inner_1RB_Left	18.79	/	/	15.08	/	/	<=34.77	Pass
		Inner_1RB_Right	18.64	/	/	14.93	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	18.51	/	/	14.80	/	/	<=34.77	Pass
		Edge_1RB_Right	18.33	/	/	14.62	/	/	<=34.77	Pass
		Outer_Full	18.94	/	/	15.23	/	/	<=34.77	Pass
		Inner_Full	19.06	/	/	15.35	/	/	<=34.77	Pass
		Inner_1RB_Left	18.54	/	/	14.83	/	/	<=34.77	Pass
		Inner_1RB_Right	18.36	/	/	14.65	/	/	<=34.77	Pass
CP-OFDM QPSK	701.5	Edge_1RB_Left	21.02	/	/	17.31	/	/	<=34.77	Pass
		Edge_1RB_Right	20.91	/	/	17.20	/	/	<=34.77	Pass
		Outer_Full	21.04	/	/	17.33	/	/	<=34.77	Pass
		Inner_Full	22.60	/	/	18.89	/	/	<=34.77	Pass
		Inner_1RB_Left	22.51	/	/	18.80	/	/	<=34.77	Pass
		Inner_1RB_Right	22.36	/	/	18.65	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.84	/	/	17.13	/	/	<=34.77	Pass
		Edge_1RB_Right	20.82	/	/	17.11	/	/	<=34.77	Pass
		Outer_Full	20.86	/	/	17.15	/	/	<=34.77	Pass
		Inner_Full	22.22	/	/	18.51	/	/	<=34.77	Pass
		Inner_1RB_Left	22.35	/	/	18.64	/	/	<=34.77	Pass
		Inner_1RB_Right	22.32	/	/	18.61	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	20.59	/	/	16.88	/	/	<=34.77	Pass
		Edge_1RB_Right	20.40	/	/	16.69	/	/	<=34.77	Pass
		Outer_Full	20.48	/	/	16.77	/	/	<=34.77	Pass
		Inner_Full	21.96	/	/	18.25	/	/	<=34.77	Pass
		Inner_1RB_Left	22.02	/	/	18.31	/	/	<=34.77	Pass
		Inner_1RB_Right	21.79	/	/	18.08	/	/	<=34.77	Pass

CP-OFDM 16 QAM	701.5	Edge_1RB_Left	21.03	/	/	17.32	/	/	<=34.77	Pass
		Edge_1RB_Right	20.93	/	/	17.22	/	/	<=34.77	Pass
		Outer_Full	21.01	/	/	17.30	/	/	<=34.77	Pass
		Inner_Full	22.02	/	/	18.31	/	/	<=34.77	Pass
		Inner_1RB_Left	22.04	/	/	18.33	/	/	<=34.77	Pass
		Inner_1RB_Right	21.86	/	/	18.15	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.79	/	/	17.08	/	/	<=34.77	Pass
		Edge_1RB_Right	20.70	/	/	16.99	/	/	<=34.77	Pass
		Outer_Full	20.87	/	/	17.16	/	/	<=34.77	Pass
		Inner_Full	21.77	/	/	18.06	/	/	<=34.77	Pass
		Inner_1RB_Left	21.86	/	/	18.15	/	/	<=34.77	Pass
		Inner_1RB_Right	21.78	/	/	18.07	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	20.51	/	/	16.80	/	/	<=34.77	Pass
		Edge_1RB_Right	20.32	/	/	16.61	/	/	<=34.77	Pass
		Outer_Full	20.50	/	/	16.79	/	/	<=34.77	Pass
		Inner_Full	21.47	/	/	17.76	/	/	<=34.77	Pass
		Inner_1RB_Left	21.50	/	/	17.79	/	/	<=34.77	Pass
		Inner_1RB_Right	21.42	/	/	17.71	/	/	<=34.77	Pass
CP-OFDM 64 QAM	701.5	Edge_1RB_Left	20.64	/	/	16.93	/	/	<=34.77	Pass
		Edge_1RB_Right	20.43	/	/	16.72	/	/	<=34.77	Pass
		Outer_Full	20.49	/	/	16.78	/	/	<=34.77	Pass
		Inner_Full	20.59	/	/	16.88	/	/	<=34.77	Pass
		Inner_1RB_Left	20.63	/	/	16.92	/	/	<=34.77	Pass
		Inner_1RB_Right	20.44	/	/	16.73	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.41	/	/	16.70	/	/	<=34.77	Pass
		Edge_1RB_Right	20.23	/	/	16.52	/	/	<=34.77	Pass
		Outer_Full	20.31	/	/	16.60	/	/	<=34.77	Pass
		Inner_Full	20.37	/	/	16.66	/	/	<=34.77	Pass
		Inner_1RB_Left	20.38	/	/	16.67	/	/	<=34.77	Pass
		Inner_1RB_Right	20.31	/	/	16.60	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	20.15	/	/	16.44	/	/	<=34.77	Pass
		Edge_1RB_Right	20.00	/	/	16.29	/	/	<=34.77	Pass
		Outer_Full	20.04	/	/	16.33	/	/	<=34.77	Pass
		Inner_Full	20.09	/	/	16.38	/	/	<=34.77	Pass
		Inner_1RB_Left	20.11	/	/	16.40	/	/	<=34.77	Pass
		Inner_1RB_Right	19.94	/	/	16.23	/	/	<=34.77	Pass
CP-OFDM 256 QAM	701.5	Edge_1RB_Left	17.14	/	/	13.43	/	/	<=34.77	Pass
		Edge_1RB_Right	17.02	/	/	13.31	/	/	<=34.77	Pass
		Outer_Full	17.55	/	/	13.84	/	/	<=34.77	Pass
		Inner_Full	17.65	/	/	13.94	/	/	<=34.77	Pass
		Inner_1RB_Left	17.16	/	/	13.45	/	/	<=34.77	Pass
		Inner_1RB_Right	17.02	/	/	13.31	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	16.90	/	/	13.19	/	/	<=34.77	Pass
		Edge_1RB_Right	16.91	/	/	13.20	/	/	<=34.77	Pass
		Outer_Full	17.27	/	/	13.56	/	/	<=34.77	Pass
		Inner_Full	17.28	/	/	13.57	/	/	<=34.77	Pass
		Inner_1RB_Left	16.89	/	/	13.18	/	/	<=34.77	Pass
		Inner_1RB_Right	16.82	/	/	13.11	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	16.71	/	/	13.00	/	/	<=34.77	Pass
		Edge_1RB_Right	16.52	/	/	12.81	/	/	<=34.77	Pass
		Outer_Full	17.06	/	/	13.35	/	/	<=34.77	Pass
		Inner_Full	17.02	/	/	13.31	/	/	<=34.77	Pass
		Inner_1RB_Left	16.70	/	/	12.99	/	/	<=34.77	Pass
		Inner_1RB_Right	16.58	/	/	12.87	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -1.56dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n12 SCS=15kHz SISO 10MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	704	Edge_1RB_Left	23.62	/	/	19.91	/	/	<=34.77	Pass
		Edge_1RB_Right	23.17	/	/	19.46	/	/	<=34.77	Pass
		Outer_Full	23.47	/	/	19.76	/	/	<=34.77	Pass
		Inner_Full	23.90	/	/	20.19	/	/	<=34.77	Pass
		Inner_1RB_Left	24.07	/	/	20.36	/	/	<=34.77	Pass
		Inner_1RB_Right	23.74	/	/	20.03	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.47	/	/	19.76	/	/	<=34.77	Pass
		Edge_1RB_Right	23.07	/	/	19.36	/	/	<=34.77	Pass
		Outer_Full	23.31	/	/	19.60	/	/	<=34.77	Pass
		Inner_Full	23.85	/	/	20.14	/	/	<=34.77	Pass
		Inner_1RB_Left	23.93	/	/	20.22	/	/	<=34.77	Pass
		Inner_1RB_Right	23.54	/	/	19.83	/	/	<=34.77	Pass
	711	Edge_1RB_Left	23.27	/	/	19.56	/	/	<=34.77	Pass
		Edge_1RB_Right	22.94	/	/	19.23	/	/	<=34.77	Pass
		Outer_Full	23.17	/	/	19.46	/	/	<=34.77	Pass
		Inner_Full	23.66	/	/	19.95	/	/	<=34.77	Pass
		Inner_1RB_Left	23.83	/	/	20.12	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	19.67	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	704	Edge_1RB_Left	23.15	/	/	19.44	/	/	<=34.77	Pass
		Edge_1RB_Right	22.76	/	/	19.05	/	/	<=34.77	Pass
		Outer_Full	22.93	/	/	19.22	/	/	<=34.77	Pass
		Inner_Full	23.97	/	/	20.26	/	/	<=34.77	Pass
		Inner_1RB_Left	24.10	/	/	20.39	/	/	<=34.77	Pass
		Inner_1RB_Right	23.73	/	/	20.02	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.06	/	/	19.35	/	/	<=34.77	Pass
		Edge_1RB_Right	22.73	/	/	19.02	/	/	<=34.77	Pass
		Outer_Full	22.84	/	/	19.13	/	/	<=34.77	Pass
		Inner_Full	23.82	/	/	20.11	/	/	<=34.77	Pass
		Inner_1RB_Left	23.99	/	/	20.28	/	/	<=34.77	Pass
		Inner_1RB_Right	23.75	/	/	20.04	/	/	<=34.77	Pass
	711	Edge_1RB_Left	22.85	/	/	19.14	/	/	<=34.77	Pass
		Edge_1RB_Right	22.43	/	/	18.72	/	/	<=34.77	Pass
		Outer_Full	22.66	/	/	18.95	/	/	<=34.77	Pass
		Inner_Full	23.66	/	/	19.95	/	/	<=34.77	Pass
		Inner_1RB_Left	23.90	/	/	20.19	/	/	<=34.77	Pass
		Inner_1RB_Right	23.40	/	/	19.69	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	704	Edge_1RB_Left	22.18	/	/	18.47	/	/	<=34.77	Pass
		Edge_1RB_Right	21.67	/	/	17.96	/	/	<=34.77	Pass
		Outer_Full	21.95	/	/	18.24	/	/	<=34.77	Pass
		Inner_Full	22.98	/	/	19.27	/	/	<=34.77	Pass
		Inner_1RB_Left	23.12	/	/	19.41	/	/	<=34.77	Pass
		Inner_1RB_Right	22.72	/	/	19.01	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.03	/	/	18.32	/	/	<=34.77	Pass
		Edge_1RB_Right	21.58	/	/	17.87	/	/	<=34.77	Pass
		Outer_Full	21.83	/	/	18.12	/	/	<=34.77	Pass
		Inner_Full	22.83	/	/	19.12	/	/	<=34.77	Pass
		Inner_1RB_Left	22.98	/	/	19.27	/	/	<=34.77	Pass
		Inner_1RB_Right	22.55	/	/	18.84	/	/	<=34.77	Pass
	711	Edge_1RB_Left	21.92	/	/	18.21	/	/	<=34.77	Pass
		Edge_1RB_Right	21.37	/	/	17.66	/	/	<=34.77	Pass
		Outer_Full	21.64	/	/	17.93	/	/	<=34.77	Pass
		Inner_Full	22.70	/	/	18.99	/	/	<=34.77	Pass
		Inner_1RB_Left	22.85	/	/	19.14	/	/	<=34.77	Pass
		Inner_1RB_Right	22.38	/	/	18.67	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	704	Edge_1RB_Left	21.81	/	/	18.10	/	/	<=34.77	Pass
		Edge_1RB_Right	21.34	/	/	17.63	/	/	<=34.77	Pass

		Outer_Full	21.42	/	/	17.71	/	/	<=34.77	Pass
		Inner_Full	21.46	/	/	17.75	/	/	<=34.77	Pass
		Inner_1RB_Left	21.87	/	/	18.16	/	/	<=34.77	Pass
		Inner_1RB_Right	21.38	/	/	17.67	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.79	/	/	18.08	/	/	<=34.77	Pass
		Edge_1RB_Right	21.36	/	/	17.65	/	/	<=34.77	Pass
		Outer_Full	21.45	/	/	17.74	/	/	<=34.77	Pass
		Inner_Full	21.37	/	/	17.66	/	/	<=34.77	Pass
		Inner_1RB_Left	21.69	/	/	17.98	/	/	<=34.77	Pass
		Inner_1RB_Right	21.36	/	/	17.65	/	/	<=34.77	Pass
	711	Edge_1RB_Left	21.52	/	/	17.81	/	/	<=34.77	Pass
		Edge_1RB_Right	21.09	/	/	17.38	/	/	<=34.77	Pass
		Outer_Full	21.18	/	/	17.47	/	/	<=34.77	Pass
		Inner_Full	21.23	/	/	17.52	/	/	<=34.77	Pass
		Inner_1RB_Left	21.55	/	/	17.84	/	/	<=34.77	Pass
		Inner_1RB_Right	21.13	/	/	17.42	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	704	Edge_1RB_Left	19.00	/	/	15.29	/	/	<=34.77	Pass
		Edge_1RB_Right	18.63	/	/	14.92	/	/	<=34.77	Pass
		Outer_Full	19.36	/	/	15.65	/	/	<=34.77	Pass
		Inner_Full	19.39	/	/	15.68	/	/	<=34.77	Pass
		Inner_1RB_Left	19.04	/	/	15.33	/	/	<=34.77	Pass
		Inner_1RB_Right	18.72	/	/	15.01	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	18.89	/	/	15.18	/	/	<=34.77	Pass
		Edge_1RB_Right	18.58	/	/	14.87	/	/	<=34.77	Pass
		Outer_Full	19.34	/	/	15.63	/	/	<=34.77	Pass
		Inner_Full	19.25	/	/	15.54	/	/	<=34.77	Pass
		Inner_1RB_Left	18.93	/	/	15.22	/	/	<=34.77	Pass
		Inner_1RB_Right	18.66	/	/	14.95	/	/	<=34.77	Pass
	711	Edge_1RB_Left	18.79	/	/	15.08	/	/	<=34.77	Pass
		Edge_1RB_Right	18.40	/	/	14.69	/	/	<=34.77	Pass
		Outer_Full	19.04	/	/	15.33	/	/	<=34.77	Pass
		Inner_Full	19.09	/	/	15.38	/	/	<=34.77	Pass
		Inner_1RB_Left	18.76	/	/	15.05	/	/	<=34.77	Pass
		Inner_1RB_Right	18.40	/	/	14.69	/	/	<=34.77	Pass
CP-OFDM QPSK	704	Edge_1RB_Left	21.05	/	/	17.34	/	/	<=34.77	Pass
		Edge_1RB_Right	20.74	/	/	17.03	/	/	<=34.77	Pass
		Outer_Full	20.86	/	/	17.15	/	/	<=34.77	Pass
		Inner_Full	22.39	/	/	18.68	/	/	<=34.77	Pass
		Inner_1RB_Left	22.45	/	/	18.74	/	/	<=34.77	Pass
		Inner_1RB_Right	22.32	/	/	18.61	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.94	/	/	17.23	/	/	<=34.77	Pass
		Edge_1RB_Right	20.71	/	/	17.00	/	/	<=34.77	Pass
		Outer_Full	20.79	/	/	17.08	/	/	<=34.77	Pass
		Inner_Full	22.29	/	/	18.58	/	/	<=34.77	Pass
		Inner_1RB_Left	22.38	/	/	18.67	/	/	<=34.77	Pass
		Inner_1RB_Right	22.19	/	/	18.48	/	/	<=34.77	Pass
	711	Edge_1RB_Left	21.02	/	/	17.31	/	/	<=34.77	Pass
		Edge_1RB_Right	20.54	/	/	16.83	/	/	<=34.77	Pass
		Outer_Full	20.66	/	/	16.95	/	/	<=34.77	Pass
		Inner_Full	22.10	/	/	18.39	/	/	<=34.77	Pass
		Inner_1RB_Left	22.45	/	/	18.74	/	/	<=34.77	Pass
		Inner_1RB_Right	21.97	/	/	18.26	/	/	<=34.77	Pass
CP-OFDM 16 QAM	704	Edge_1RB_Left	21.01	/	/	17.30	/	/	<=34.77	Pass
		Edge_1RB_Right	20.77	/	/	17.06	/	/	<=34.77	Pass
		Outer_Full	20.86	/	/	17.15	/	/	<=34.77	Pass
		Inner_Full	21.91	/	/	18.20	/	/	<=34.77	Pass
		Inner_1RB_Left	22.11	/	/	18.40	/	/	<=34.77	Pass
		Inner_1RB_Right	21.84	/	/	18.13	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.96	/	/	17.25	/	/	<=34.77	Pass

		Edge_1RB_Right	20.54	/	/	16.83	/	/	<=34.77	Pass
		Outer_Full	20.86	/	/	17.15	/	/	<=34.77	Pass
		Inner_Full	21.82	/	/	18.11	/	/	<=34.77	Pass
		Inner_1RB_Left	21.98	/	/	18.27	/	/	<=34.77	Pass
		Inner_1RB_Right	21.66	/	/	17.95	/	/	<=34.77	Pass
	711	Edge_1RB_Left	20.70	/	/	16.99	/	/	<=34.77	Pass
		Edge_1RB_Right	20.30	/	/	16.59	/	/	<=34.77	Pass
		Outer_Full	20.63	/	/	16.92	/	/	<=34.77	Pass
		Inner_Full	21.69	/	/	17.98	/	/	<=34.77	Pass
		Inner_1RB_Left	21.75	/	/	18.04	/	/	<=34.77	Pass
		Inner_1RB_Right	21.41	/	/	17.70	/	/	<=34.77	Pass
CP-OFDM 64 QAM	704	Edge_1RB_Left	20.65	/	/	16.94	/	/	<=34.77	Pass
		Edge_1RB_Right	20.37	/	/	16.66	/	/	<=34.77	Pass
		Outer_Full	20.38	/	/	16.67	/	/	<=34.77	Pass
		Inner_Full	20.41	/	/	16.70	/	/	<=34.77	Pass
		Inner_1RB_Left	20.66	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Right	20.42	/	/	16.71	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.57	/	/	16.86	/	/	<=34.77	Pass
		Edge_1RB_Right	20.21	/	/	16.50	/	/	<=34.77	Pass
		Outer_Full	20.40	/	/	16.69	/	/	<=34.77	Pass
		Inner_Full	20.36	/	/	16.65	/	/	<=34.77	Pass
		Inner_1RB_Left	20.49	/	/	16.78	/	/	<=34.77	Pass
		Inner_1RB_Right	20.24	/	/	16.53	/	/	<=34.77	Pass
	711	Edge_1RB_Left	20.38	/	/	16.67	/	/	<=34.77	Pass
		Edge_1RB_Right	20.00	/	/	16.29	/	/	<=34.77	Pass
		Outer_Full	20.15	/	/	16.44	/	/	<=34.77	Pass
		Inner_Full	20.08	/	/	16.37	/	/	<=34.77	Pass
		Inner_1RB_Left	20.35	/	/	16.64	/	/	<=34.77	Pass
		Inner_1RB_Right	20.10	/	/	16.39	/	/	<=34.77	Pass
CP-OFDM 256 QAM	704	Edge_1RB_Left	17.13	/	/	13.42	/	/	<=34.77	Pass
		Edge_1RB_Right	17.05	/	/	13.34	/	/	<=34.77	Pass
		Outer_Full	17.37	/	/	13.66	/	/	<=34.77	Pass
		Inner_Full	17.46	/	/	13.75	/	/	<=34.77	Pass
		Inner_1RB_Left	17.06	/	/	13.35	/	/	<=34.77	Pass
		Inner_1RB_Right	17.00	/	/	13.29	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	16.96	/	/	13.25	/	/	<=34.77	Pass
		Edge_1RB_Right	16.83	/	/	13.12	/	/	<=34.77	Pass
		Outer_Full	17.26	/	/	13.55	/	/	<=34.77	Pass
		Inner_Full	17.26	/	/	13.55	/	/	<=34.77	Pass
		Inner_1RB_Left	17.06	/	/	13.35	/	/	<=34.77	Pass
		Inner_1RB_Right	16.88	/	/	13.17	/	/	<=34.77	Pass
	711	Edge_1RB_Left	16.94	/	/	13.23	/	/	<=34.77	Pass
		Edge_1RB_Right	16.65	/	/	12.94	/	/	<=34.77	Pass
		Outer_Full	17.09	/	/	13.38	/	/	<=34.77	Pass
		Inner_Full	17.23	/	/	13.52	/	/	<=34.77	Pass
		Inner_1RB_Left	16.78	/	/	13.07	/	/	<=34.77	Pass
		Inner_1RB_Right	16.66	/	/	12.95	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -1.56dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_15MHz_NTNV_ERP

5G NR n12 SCS=15kHz SISO 15MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	706.5	Edge_1RB_Left	23.68	/	/	19.97	/	/	<=34.77	Pass
		Edge_1RB_Right	23.03	/	/	19.32	/	/	<=34.77	Pass
		Outer_Full	23.46	/	/	19.75	/	/	<=34.77	Pass

		Inner_Full	23.86	/	/	20.15	/	/	<=34.77	Pass
		Inner_1RB_Left	24.13	/	/	20.42	/	/	<=34.77	Pass
		Inner_1RB_Right	23.45	/	/	19.74	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.51	/	/	19.80	/	/	<=34.77	Pass
		Edge_1RB_Right	22.93	/	/	19.22	/	/	<=34.77	Pass
		Outer_Full	23.40	/	/	19.69	/	/	<=34.77	Pass
		Inner_Full	23.83	/	/	20.12	/	/	<=34.77	Pass
		Inner_1RB_Left	24.02	/	/	20.31	/	/	<=34.77	Pass
		Inner_1RB_Right	23.48	/	/	19.77	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	23.52	/	/	19.81	/	/	<=34.77	Pass
		Edge_1RB_Right	22.92	/	/	19.21	/	/	<=34.77	Pass
		Outer_Full	23.28	/	/	19.57	/	/	<=34.77	Pass
		Inner_Full	23.79	/	/	20.08	/	/	<=34.77	Pass
		Inner_1RB_Left	24.05	/	/	20.34	/	/	<=34.77	Pass
		Inner_1RB_Right	23.42	/	/	19.71	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	706.5	Edge_1RB_Left	23.20	/	/	19.49	/	/	<=34.77	Pass
		Edge_1RB_Right	22.58	/	/	18.87	/	/	<=34.77	Pass
		Outer_Full	22.84	/	/	19.13	/	/	<=34.77	Pass
		Inner_Full	23.85	/	/	20.14	/	/	<=34.77	Pass
		Inner_1RB_Left	24.17	/	/	20.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.58	/	/	19.87	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.03	/	/	19.32	/	/	<=34.77	Pass
		Edge_1RB_Right	22.52	/	/	18.81	/	/	<=34.77	Pass
		Outer_Full	22.78	/	/	19.07	/	/	<=34.77	Pass
		Inner_Full	23.79	/	/	20.08	/	/	<=34.77	Pass
		Inner_1RB_Left	24.07	/	/	20.36	/	/	<=34.77	Pass
		Inner_1RB_Right	23.41	/	/	19.70	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	23.10	/	/	19.39	/	/	<=34.77	Pass
		Edge_1RB_Right	22.37	/	/	18.66	/	/	<=34.77	Pass
		Outer_Full	22.77	/	/	19.06	/	/	<=34.77	Pass
		Inner_Full	23.77	/	/	20.06	/	/	<=34.77	Pass
		Inner_1RB_Left	24.02	/	/	20.31	/	/	<=34.77	Pass
		Inner_1RB_Right	23.49	/	/	19.78	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	706.5	Edge_1RB_Left	22.21	/	/	18.50	/	/	<=34.77	Pass
		Edge_1RB_Right	21.50	/	/	17.79	/	/	<=34.77	Pass
		Outer_Full	22.01	/	/	18.30	/	/	<=34.77	Pass
		Inner_Full	22.91	/	/	19.20	/	/	<=34.77	Pass
		Inner_1RB_Left	23.16	/	/	19.45	/	/	<=34.77	Pass
		Inner_1RB_Right	22.49	/	/	18.78	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.13	/	/	18.42	/	/	<=34.77	Pass
		Edge_1RB_Right	21.47	/	/	17.76	/	/	<=34.77	Pass
		Outer_Full	21.85	/	/	18.14	/	/	<=34.77	Pass
		Inner_Full	22.85	/	/	19.14	/	/	<=34.77	Pass
		Inner_1RB_Left	23.08	/	/	19.37	/	/	<=34.77	Pass
		Inner_1RB_Right	22.48	/	/	18.77	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	22.05	/	/	18.34	/	/	<=34.77	Pass
		Edge_1RB_Right	21.44	/	/	17.73	/	/	<=34.77	Pass
		Outer_Full	21.91	/	/	18.20	/	/	<=34.77	Pass
		Inner_Full	22.80	/	/	19.09	/	/	<=34.77	Pass
		Inner_1RB_Left	23.02	/	/	19.31	/	/	<=34.77	Pass
		Inner_1RB_Right	22.43	/	/	18.72	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	706.5	Edge_1RB_Left	21.84	/	/	18.13	/	/	<=34.77	Pass
		Edge_1RB_Right	21.20	/	/	17.49	/	/	<=34.77	Pass
		Outer_Full	21.48	/	/	17.77	/	/	<=34.77	Pass
		Inner_Full	21.44	/	/	17.73	/	/	<=34.77	Pass
		Inner_1RB_Left	21.84	/	/	18.13	/	/	<=34.77	Pass
		Inner_1RB_Right	21.24	/	/	17.53	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.75	/	/	18.04	/	/	<=34.77	Pass
		Edge_1RB_Right	21.17	/	/	17.46	/	/	<=34.77	Pass

		Outer_Full	21.45	/	/	17.74	/	/	<=34.77	Pass
		Inner_Full	21.43	/	/	17.72	/	/	<=34.77	Pass
		Inner_1RB_Left	21.86	/	/	18.15	/	/	<=34.77	Pass
		Inner_1RB_Right	21.19	/	/	17.48	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	21.75	/	/	18.04	/	/	<=34.77	Pass
		Edge_1RB_Right	21.15	/	/	17.44	/	/	<=34.77	Pass
		Outer_Full	21.37	/	/	17.66	/	/	<=34.77	Pass
		Inner_Full	21.32	/	/	17.61	/	/	<=34.77	Pass
		Inner_1RB_Left	21.74	/	/	18.03	/	/	<=34.77	Pass
		Inner_1RB_Right	21.20	/	/	17.49	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	706.5	Edge_1RB_Left	19.19	/	/	15.48	/	/	<=34.77	Pass
		Edge_1RB_Right	18.62	/	/	14.91	/	/	<=34.77	Pass
		Outer_Full	19.33	/	/	15.62	/	/	<=34.77	Pass
		Inner_Full	19.34	/	/	15.63	/	/	<=34.77	Pass
		Inner_1RB_Left	19.08	/	/	15.37	/	/	<=34.77	Pass
		Inner_1RB_Right	18.59	/	/	14.88	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	18.99	/	/	15.28	/	/	<=34.77	Pass
		Edge_1RB_Right	18.46	/	/	14.75	/	/	<=34.77	Pass
		Outer_Full	19.27	/	/	15.56	/	/	<=34.77	Pass
		Inner_Full	19.23	/	/	15.52	/	/	<=34.77	Pass
		Inner_1RB_Left	19.02	/	/	15.31	/	/	<=34.77	Pass
		Inner_1RB_Right	18.54	/	/	14.83	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	19.53	/	/	15.82	/	/	<=34.77	Pass
		Edge_1RB_Right	18.49	/	/	14.78	/	/	<=34.77	Pass
		Outer_Full	19.21	/	/	15.50	/	/	<=34.77	Pass
		Inner_Full	19.22	/	/	15.51	/	/	<=34.77	Pass
		Inner_1RB_Left	19.05	/	/	15.34	/	/	<=34.77	Pass
		Inner_1RB_Right	18.49	/	/	14.78	/	/	<=34.77	Pass
CP-OFDM QPSK	706.5	Edge_1RB_Left	21.20	/	/	17.49	/	/	<=34.77	Pass
		Edge_1RB_Right	20.52	/	/	16.81	/	/	<=34.77	Pass
		Outer_Full	20.85	/	/	17.14	/	/	<=34.77	Pass
		Inner_Full	22.26	/	/	18.55	/	/	<=34.77	Pass
		Inner_1RB_Left	22.55	/	/	18.84	/	/	<=34.77	Pass
		Inner_1RB_Right	22.02	/	/	18.31	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.17	/	/	17.46	/	/	<=34.77	Pass
		Edge_1RB_Right	20.47	/	/	16.76	/	/	<=34.77	Pass
		Outer_Full	20.75	/	/	17.04	/	/	<=34.77	Pass
		Inner_Full	22.25	/	/	18.54	/	/	<=34.77	Pass
		Inner_1RB_Left	22.45	/	/	18.74	/	/	<=34.77	Pass
		Inner_1RB_Right	21.96	/	/	18.25	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	21.06	/	/	17.35	/	/	<=34.77	Pass
		Edge_1RB_Right	20.47	/	/	16.76	/	/	<=34.77	Pass
		Outer_Full	20.76	/	/	17.05	/	/	<=34.77	Pass
		Inner_Full	22.24	/	/	18.53	/	/	<=34.77	Pass
		Inner_1RB_Left	22.44	/	/	18.73	/	/	<=34.77	Pass
		Inner_1RB_Right	21.92	/	/	18.21	/	/	<=34.77	Pass
CP-OFDM 16 QAM	706.5	Edge_1RB_Left	21.12	/	/	17.41	/	/	<=34.77	Pass
		Edge_1RB_Right	20.45	/	/	16.74	/	/	<=34.77	Pass
		Outer_Full	20.87	/	/	17.16	/	/	<=34.77	Pass
		Inner_Full	21.82	/	/	18.11	/	/	<=34.77	Pass
		Inner_1RB_Left	22.15	/	/	18.44	/	/	<=34.77	Pass
		Inner_1RB_Right	21.50	/	/	17.79	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.04	/	/	17.33	/	/	<=34.77	Pass
		Edge_1RB_Right	20.45	/	/	16.74	/	/	<=34.77	Pass
		Outer_Full	20.80	/	/	17.09	/	/	<=34.77	Pass
		Inner_Full	21.91	/	/	18.20	/	/	<=34.77	Pass
		Inner_1RB_Left	22.10	/	/	18.39	/	/	<=34.77	Pass
		Inner_1RB_Right	21.53	/	/	17.82	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	20.95	/	/	17.24	/	/	<=34.77	Pass

		Edge_1RB_Right	20.35	/	/	16.64	/	/	<=34.77	Pass
		Outer_Full	20.69	/	/	16.98	/	/	<=34.77	Pass
		Inner_Full	21.82	/	/	18.11	/	/	<=34.77	Pass
		Inner_1RB_Left	21.98	/	/	18.27	/	/	<=34.77	Pass
		Inner_1RB_Right	21.40	/	/	17.69	/	/	<=34.77	Pass
CP-OFDM 64 QAM	706.5	Edge_1RB_Left	20.70	/	/	16.99	/	/	<=34.77	Pass
		Edge_1RB_Right	20.07	/	/	16.36	/	/	<=34.77	Pass
		Outer_Full	20.36	/	/	16.65	/	/	<=34.77	Pass
		Inner_Full	20.33	/	/	16.62	/	/	<=34.77	Pass
		Inner_1RB_Left	20.70	/	/	16.99	/	/	<=34.77	Pass
		Inner_1RB_Right	20.14	/	/	16.43	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.75	/	/	17.04	/	/	<=34.77	Pass
		Edge_1RB_Right	20.09	/	/	16.38	/	/	<=34.77	Pass
		Outer_Full	20.26	/	/	16.55	/	/	<=34.77	Pass
		Inner_Full	20.33	/	/	16.62	/	/	<=34.77	Pass
		Inner_1RB_Left	20.70	/	/	16.99	/	/	<=34.77	Pass
		Inner_1RB_Right	20.01	/	/	16.30	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	20.54	/	/	16.83	/	/	<=34.77	Pass
		Edge_1RB_Right	19.97	/	/	16.26	/	/	<=34.77	Pass
		Outer_Full	20.22	/	/	16.51	/	/	<=34.77	Pass
		Inner_Full	20.26	/	/	16.55	/	/	<=34.77	Pass
		Inner_1RB_Left	20.49	/	/	16.78	/	/	<=34.77	Pass
		Inner_1RB_Right	19.96	/	/	16.25	/	/	<=34.77	Pass
CP-OFDM 256 QAM	706.5	Edge_1RB_Left	17.24	/	/	13.53	/	/	<=34.77	Pass
		Edge_1RB_Right	16.72	/	/	13.01	/	/	<=34.77	Pass
		Outer_Full	17.35	/	/	13.64	/	/	<=34.77	Pass
		Inner_Full	17.36	/	/	13.65	/	/	<=34.77	Pass
		Inner_1RB_Left	17.20	/	/	13.49	/	/	<=34.77	Pass
		Inner_1RB_Right	16.68	/	/	12.97	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	17.16	/	/	13.45	/	/	<=34.77	Pass
		Edge_1RB_Right	16.58	/	/	12.87	/	/	<=34.77	Pass
		Outer_Full	17.28	/	/	13.57	/	/	<=34.77	Pass
		Inner_Full	17.33	/	/	13.62	/	/	<=34.77	Pass
		Inner_1RB_Left	17.21	/	/	13.50	/	/	<=34.77	Pass
		Inner_1RB_Right	16.64	/	/	12.93	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	17.15	/	/	13.44	/	/	<=34.77	Pass
		Edge_1RB_Right	16.58	/	/	12.87	/	/	<=34.77	Pass
		Outer_Full	17.25	/	/	13.54	/	/	<=34.77	Pass
		Inner_Full	17.19	/	/	13.48	/	/	<=34.77	Pass
		Inner_1RB_Left	17.05	/	/	13.34	/	/	<=34.77	Pass
		Inner_1RB_Right	16.60	/	/	12.89	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -1.56dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

5G NR n12 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 PI/2 BPSK	707.5	Outer_Full	20	LV	1.30	0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass

			-20	NV	1.70	0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	1.30	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	1.20	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0042	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	20	LV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	1.90	0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0066	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-0.80	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-2.10	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			50	NV	1.00	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	20	LV	-2.90	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0052	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-0.30	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0045	>=-2.5 & <=2.5	Pass
			0	NV	0.60	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	0.50	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	20	LV	-2.10	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-0.30	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-0.60	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	0.60	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	20	LV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-1.80	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-0.90	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	0.60	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-0.40	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0061	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	707.5	Outer_Full	20	LV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
				HV	0.50	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	0.60	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-0.90	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-0.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	1.60	0.0023	>=-2.5 & <=2.5	Pass

			20	NV	1.10	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	1.00	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			50	NV	2.60	0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	20	LV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	1.00	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	0.80	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.00	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	1.70	0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	20	LV	-2.40	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-1.20	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0054	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0057	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	20	LV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0052	>=-2.5 & <=2.5	Pass
			-30	NV	-1.40	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0064	>=-2.5 & <=2.5	Pass
			20	NV	-0.80	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0079	>=-2.5 & <=2.5	Pass
			50	NV	-2.90	-0.0041	>=-2.5 & <=2.5	Pass

2.1.2 15k_SISO_10MHz

5G NR n12 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 PI/2 BPSK	707.5	Outer_Full	20	LV	-1.80	-0.0025	>=-2.5 & <=2.5	Pass
				HV	1.30	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0064	>=-2.5 & <=2.5	Pass
			0	NV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	2.20	0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-2.10	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-1.80	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	20	LV	-2.00	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0048	>=-2.5 & <=2.5	Pass

			-20	NV	2.10	0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-0.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0047	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-3.50	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	20	LV	1.30	0.0018	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	1.30	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	1.50	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	20	LV	0.80	0.0011	>=-2.5 & <=2.5	Pass
				HV	-0.60	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	0.40	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0055	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	1.00	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-1.20	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-0.30	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			40	NV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-2.00	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	20	LV	-1.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-0.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0075	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	1.80	0.0025	>=-2.5 & <=2.5	Pass
			50	NV	2.10	0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	707.5	Outer_Full	20	LV	1.50	0.0021	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0051	>=-2.5 & <=2.5	Pass
			-10	NV	3.50	0.0049	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0049	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0062	>=-2.5 & <=2.5	Pass
			40	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	20	LV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	-0.80	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0057	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0078	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0071	>=-2.5 & <=2.5	Pass

			20	NV	-3.70	-0.0052	>=-2.5 & <=2.5	Pass
			30	NV	9.90	0.0140	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	20	LV	3.10	0.0044	>=-2.5 & <=2.5	Pass
				HV	2.00	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0037	>=-2.5 & <=2.5	Pass
			0	NV	0.90	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	9.60	0.0136	>=-2.5 & <=2.5	Pass
			30	NV	1.80	0.0025	>=-2.5 & <=2.5	Pass
			40	NV	1.00	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	20	LV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-1.00	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0045	>=-2.5 & <=2.5	Pass
			50	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass

2.1.3 15k_SISO_15MHz

5G NR n12 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 PI/2 BPSK	707.5	Outer_Full	20	LV	-5.50	-0.0078	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0088	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0110	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0071	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0086	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0096	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0069	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0093	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0095	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	20	LV	-5.20	-0.0073	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0078	>=-2.5 & <=2.5	Pass
			-30	NV	-9.80	-0.0139	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0061	>=-2.5 & <=2.5	Pass
			-10	NV	4.20	0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0073	>=-2.5 & <=2.5	Pass
			10	NV	24.80	0.0351	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0106	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0117	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0083	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	20	LV	-3.50	-0.0049	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0093	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0052	>=-2.5 & <=2.5	Pass

			-20	NV	-3.00	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0069	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			20	NV	-7.40	-0.0105	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0109	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			50	NV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	20	LV	-6.90	-0.0098	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0085	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0072	>=-2.5 & <=2.5	Pass
			-20	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0064	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0069	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0076	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0071	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0068	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	20	LV	-4.60	-0.0065	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	2.90	0.0041	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	0.80	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	707.5	Outer_Full	20	LV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0057	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0085	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0088	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0089	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0057	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0054	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0096	>=-2.5 & <=2.5	Pass
			50	NV	-3.90	-0.0055	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	20	LV	-3.30	-0.0047	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0099	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0073	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0079	>=-2.5 & <=2.5	Pass
			0	NV	-5.10	-0.0072	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0048	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0071	>=-2.5 & <=2.5	Pass
			50	NV	-2.20	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	20	LV	-2.90	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0073	>=-2.5 & <=2.5	Pass
			-30	NV	-0.90	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0064	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0071	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0048	>=-2.5 & <=2.5	Pass

			20	NV	-4.50	-0.0064	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0058	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0064	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	20	LV	-2.70	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0062	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0057	>=-2.5 & <=2.5	Pass
			20	NV	-1.70	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0051	>=-2.5 & <=2.5	Pass
			50	NV	-1.10	-0.0016	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n12 SCS=15kHz SISO 5MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	701.5	Outer_Full	4.53	5.04	/	Pass
	707.5	Outer_Full	4.54	5.05	/	Pass
	713.5	Outer_Full	4.54	5.08	/	Pass
DFT-s-OFDM QPSK	701.5	Outer_Full	4.52	5.03	/	Pass
	707.5	Outer_Full	4.52	5.05	/	Pass
	713.5	Outer_Full	4.52	5.07	/	Pass
DFT-s-OFDM 16 QAM	701.5	Outer_Full	4.54	5.05	/	Pass
	707.5	Outer_Full	4.53	5.08	/	Pass
	713.5	Outer_Full	4.55	5.07	/	Pass
DFT-s-OFDM 64 QAM	701.5	Outer_Full	4.52	5.03	/	Pass
	707.5	Outer_Full	4.52	5.07	/	Pass
	713.5	Outer_Full	4.53	4.99	/	Pass
DFT-s-OFDM 256 QAM	701.5	Outer_Full	4.55	5.10	/	Pass
	707.5	Outer_Full	4.50	4.99	/	Pass
	713.5	Outer_Full	4.51	5.04	/	Pass
CP-OFDM QPSK	701.5	Outer_Full	4.53	5.09	/	Pass
	707.5	Outer_Full	4.54	5.11	/	Pass
	713.5	Outer_Full	4.54	5.09	/	Pass
CP-OFDM 16 QAM	701.5	Outer_Full	4.54	5.08	/	Pass
	707.5	Outer_Full	4.54	5.06	/	Pass
	713.5	Outer_Full	4.53	5.10	/	Pass
CP-OFDM 64 QAM	701.5	Outer_Full	4.52	5.04	/	Pass
	707.5	Outer_Full	4.53	5.09	/	Pass
	713.5	Outer_Full	4.52	5.08	/	Pass
CP-OFDM 256 QAM	701.5	Outer_Full	4.55	5.08	/	Pass
	707.5	Outer_Full	4.52	4.96	/	Pass
	713.5	Outer_Full	4.53	5.10	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n12 SCS=15kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	704	Outer_Full	9.02	9.81	/	Pass
	707.5	Outer_Full	9.02	9.82	/	Pass
	711	Outer_Full	9.01	9.77	/	Pass
DFT-s-OFDM QPSK	704	Outer_Full	9.05	9.82	/	Pass
	707.5	Outer_Full	9.05	9.85	/	Pass
	711	Outer_Full	9.04	9.84	/	Pass
DFT-s-OFDM 16 QAM	704	Outer_Full	9.04	9.83	/	Pass
	707.5	Outer_Full	9.03	9.82	/	Pass
	711	Outer_Full	9.04	9.84	/	Pass
DFT-s-OFDM 64 QAM	704	Outer_Full	9.02	9.81	/	Pass
	707.5	Outer_Full	9.02	9.85	/	Pass
	711	Outer_Full	9.01	9.85	/	Pass
DFT-s-OFDM 256 QAM	704	Outer_Full	9.03	9.88	/	Pass
	707.5	Outer_Full	9.04	9.84	/	Pass
	711	Outer_Full	9.02	9.82	/	Pass
CP-OFDM QPSK	704	Outer_Full	9.37	10.21	/	Pass
	707.5	Outer_Full	9.35	10.07	/	Pass
	711	Outer_Full	9.36	10.24	/	Pass
CP-OFDM 16 QAM	704	Outer_Full	9.35	10.22	/	Pass
	707.5	Outer_Full	9.41	10.03	/	Pass
	711	Outer_Full	9.37	10.21	/	Pass
CP-OFDM 64 QAM	704	Outer_Full	9.32	10.04	/	Pass
	707.5	Outer_Full	9.34	10.10	/	Pass
	711	Outer_Full	9.33	10.07	/	Pass
CP-OFDM 256 QAM	704	Outer_Full	9.38	10.22	/	Pass
	707.5	Outer_Full	9.40	10.24	/	Pass
	711	Outer_Full	9.38	10.17	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

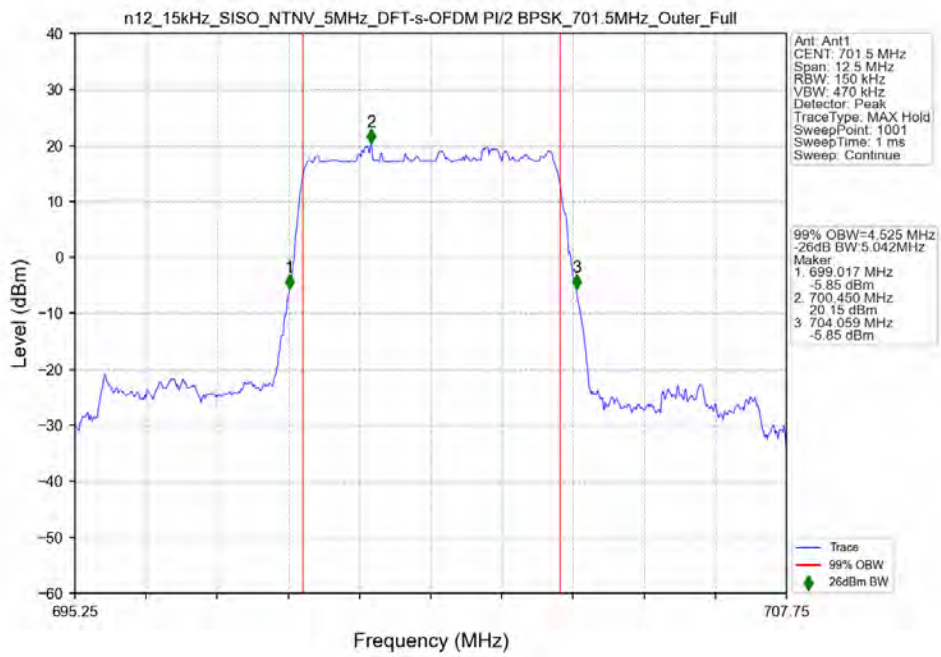
5G NR n12 SCS=15kHz SISO 15MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	706.5	Outer_Full	13.53	14.59	/	Pass
	707.5	Outer_Full	13.54	14.53	/	Pass
	708.5	Outer_Full	13.55	14.57	/	Pass
DFT-s-OFDM QPSK	706.5	Outer_Full	13.55	14.63	/	Pass
	707.5	Outer_Full	13.57	14.68	/	Pass
	708.5	Outer_Full	13.55	14.65	/	Pass
DFT-s-OFDM 16 QAM	706.5	Outer_Full	13.61	14.65	/	Pass
	707.5	Outer_Full	13.61	14.72	/	Pass
	708.5	Outer_Full	13.60	14.64	/	Pass
DFT-s-OFDM 64 QAM	706.5	Outer_Full	13.52	14.65	/	Pass
	707.5	Outer_Full	13.60	14.50	/	Pass
	708.5	Outer_Full	13.60	14.48	/	Pass
DFT-s-OFDM 256 QAM	706.5	Outer_Full	13.55	14.60	/	Pass
	707.5	Outer_Full	13.57	14.61	/	Pass
	708.5	Outer_Full	13.57	14.71	/	Pass
CP-OFDM QPSK	706.5	Outer_Full	14.22	15.31	/	Pass
	707.5	Outer_Full	14.22	15.34	/	Pass
	708.5	Outer_Full	14.23	15.31	/	Pass
CP-OFDM 16 QAM	706.5	Outer_Full	14.22	15.39	/	Pass
	707.5	Outer_Full	14.23	15.32	/	Pass
	708.5	Outer_Full	14.25	15.40	/	Pass
CP-OFDM 64 QAM	706.5	Outer_Full	14.26	15.40	/	Pass

	707.5	Outer_Full	14.27	15.38	/	Pass
	708.5	Outer_Full	14.27	15.40	/	Pass
CP-OFDM 256 QAM	706.5	Outer_Full	14.19	15.08	/	Pass
	707.5	Outer_Full	14.22	15.38	/	Pass
	708.5	Outer_Full	14.20	15.13	/	Pass

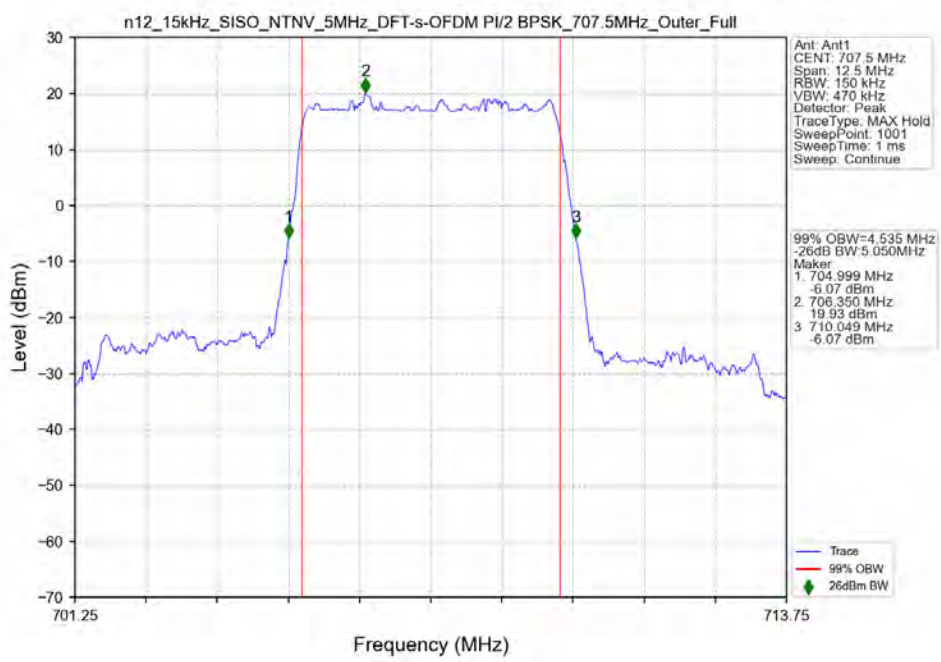
3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV

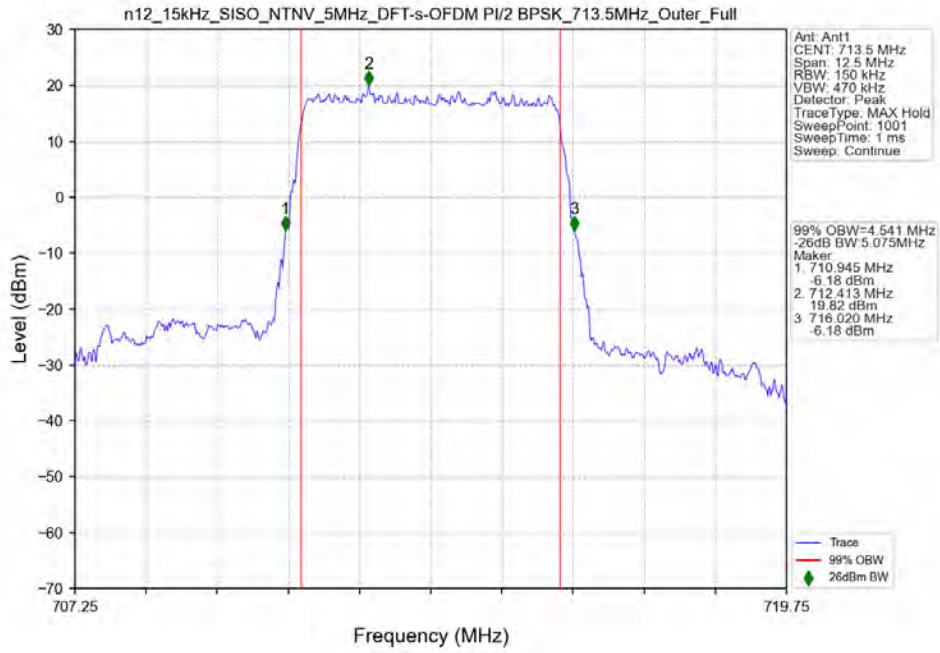
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_701.5MHz_Outer_Full



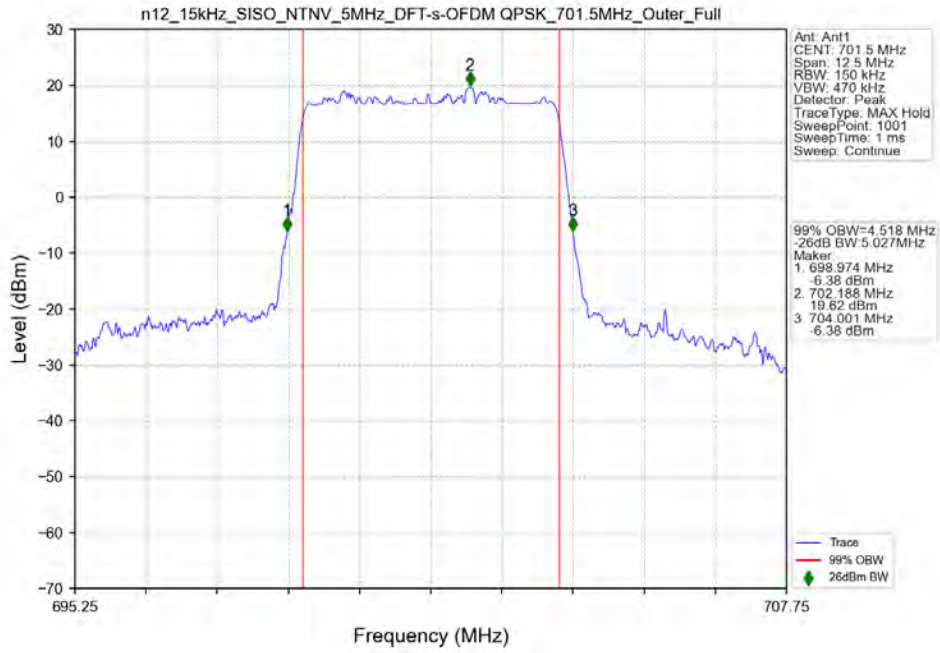
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Outer_Full



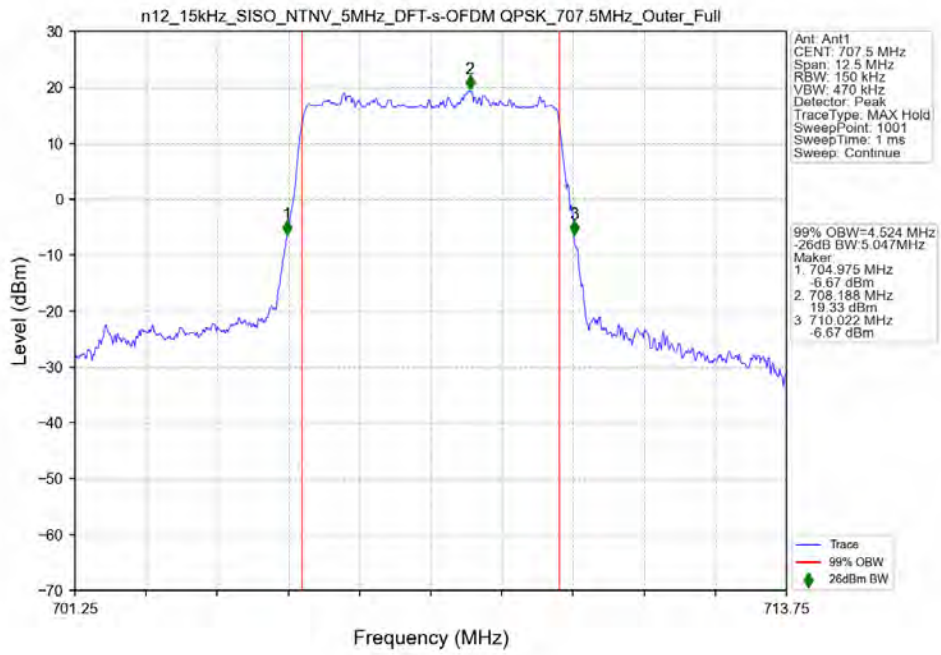
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Outer_Full



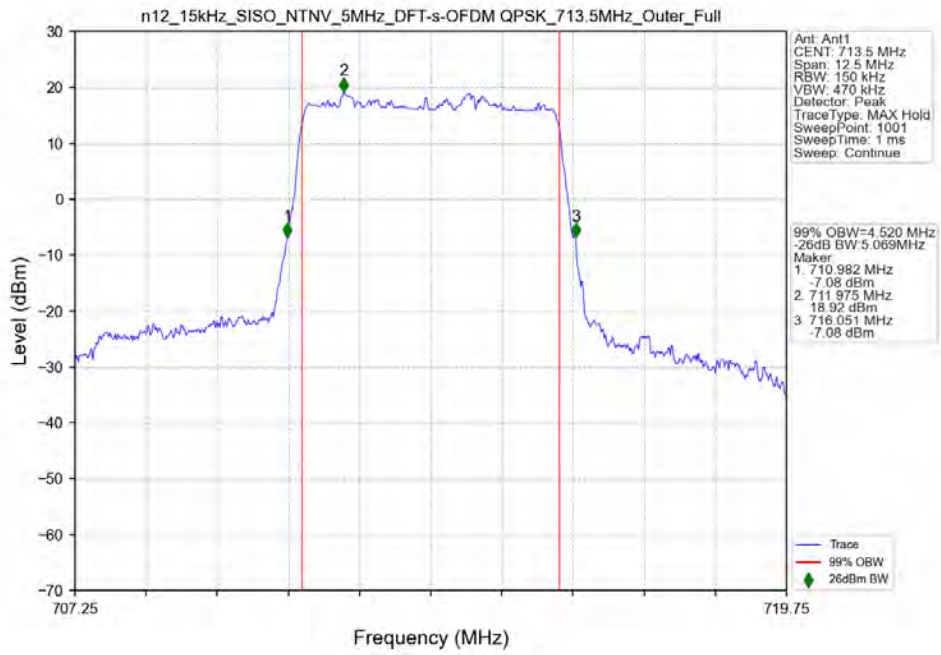
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Outer_Full



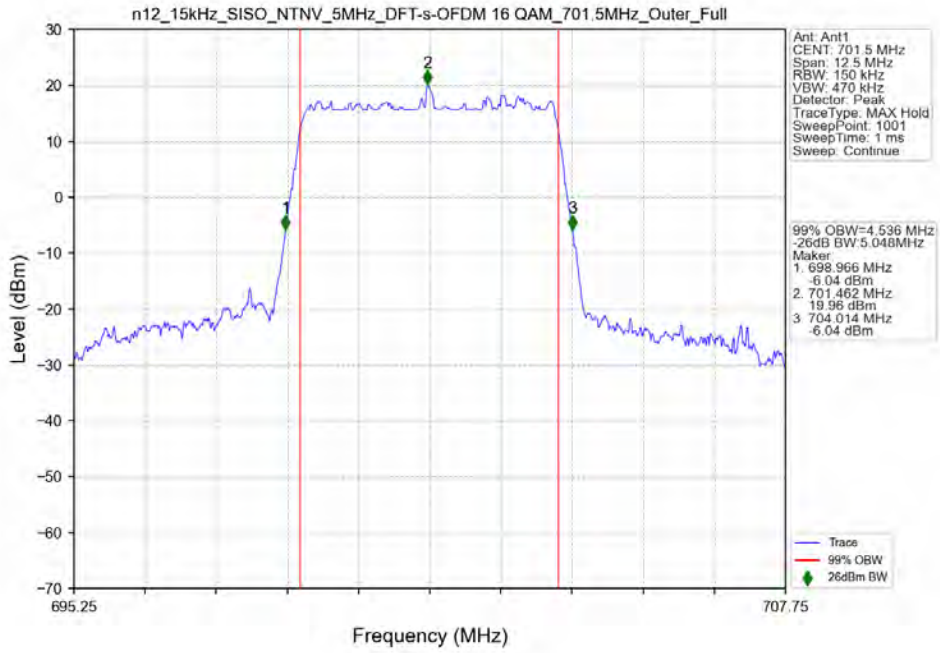
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_707.5MHz_Outer_Full



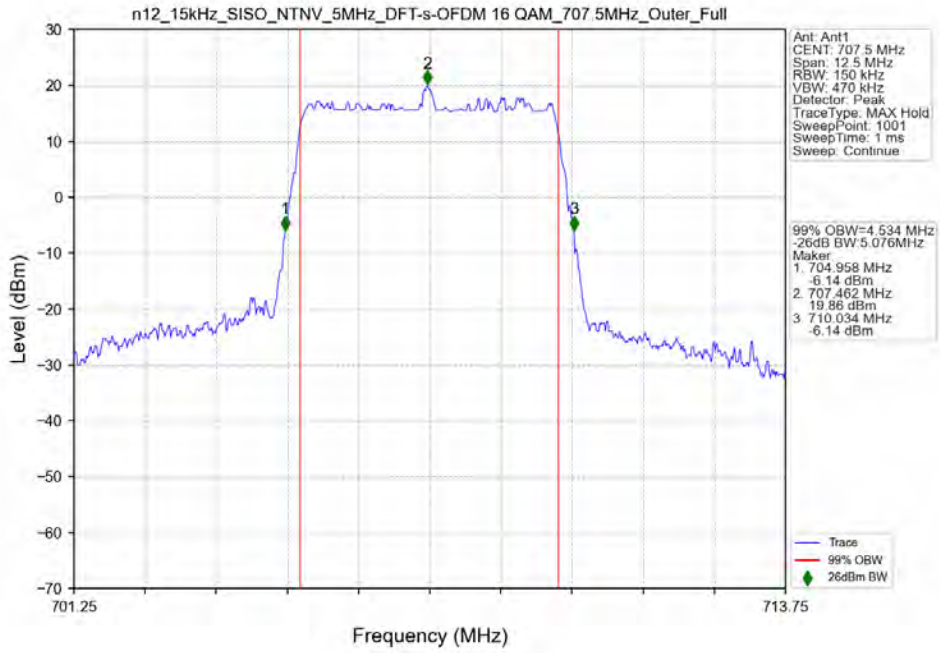
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Outer_Full



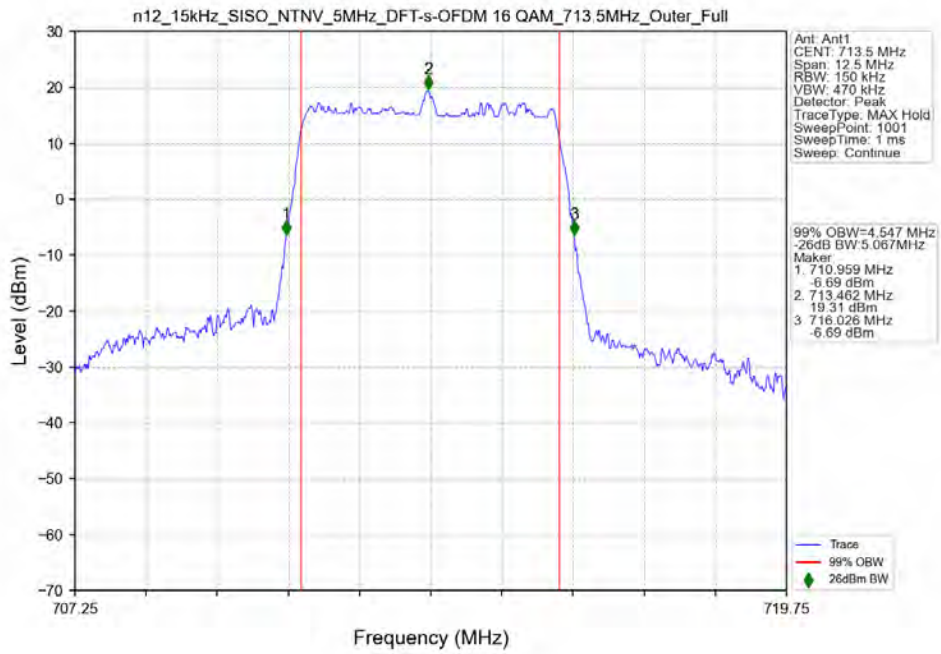
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_701.5MHz_Outer_Full



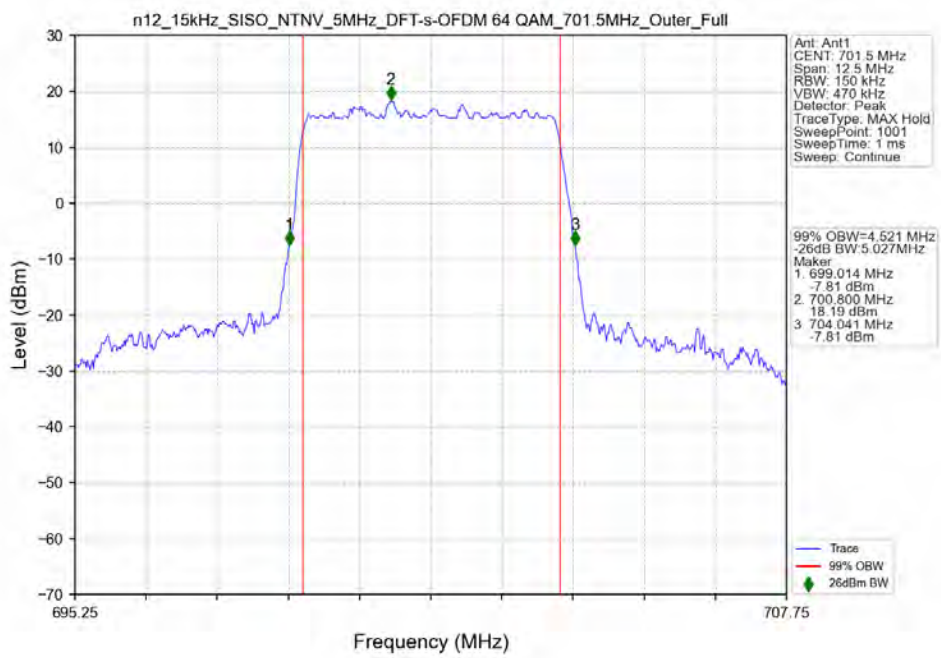
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full



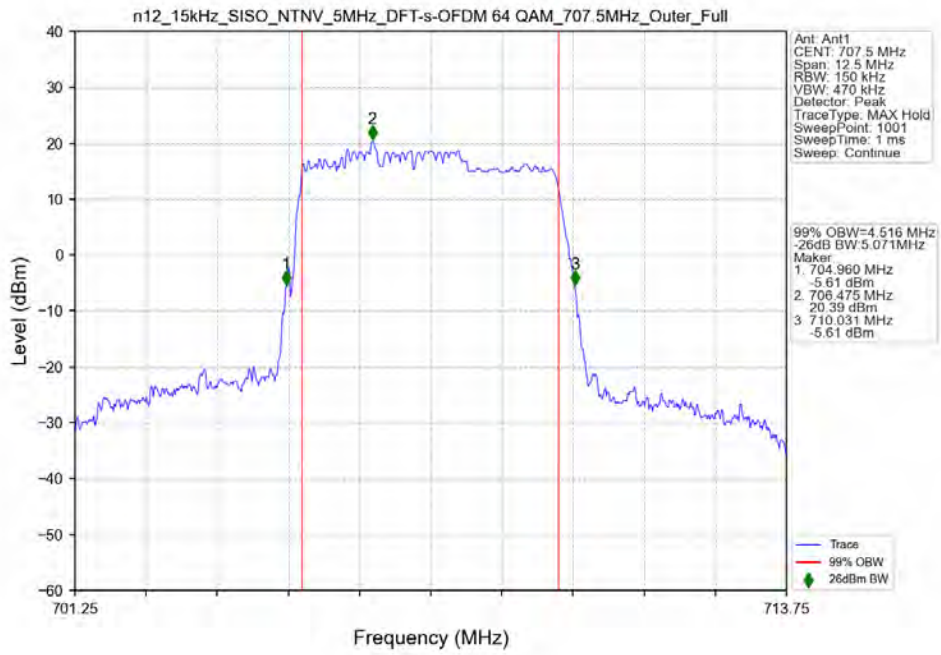
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_713.5MHz_Outer_Full



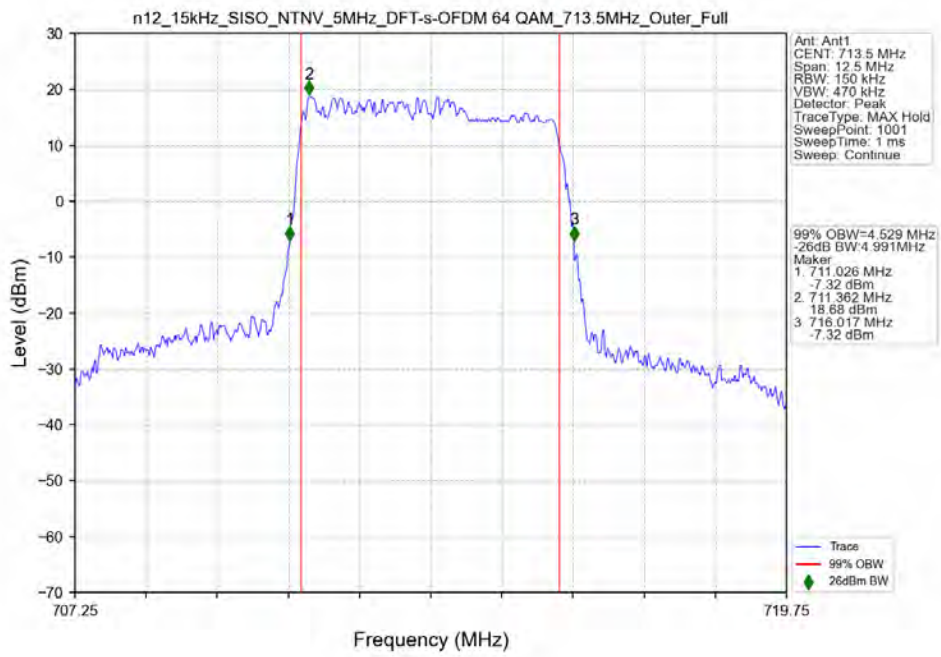
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_701.5MHz_Outer_Full



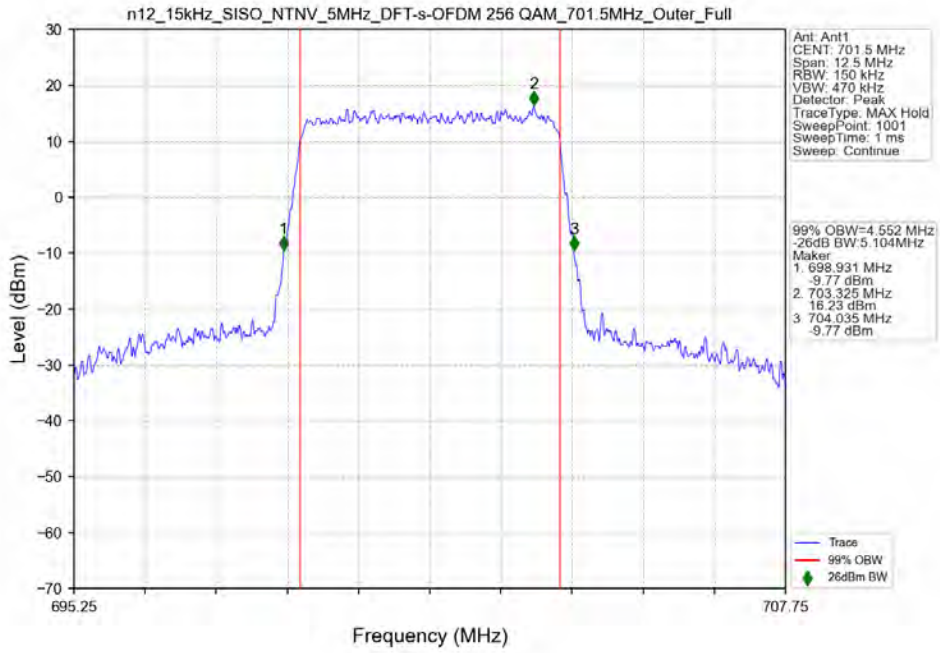
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full



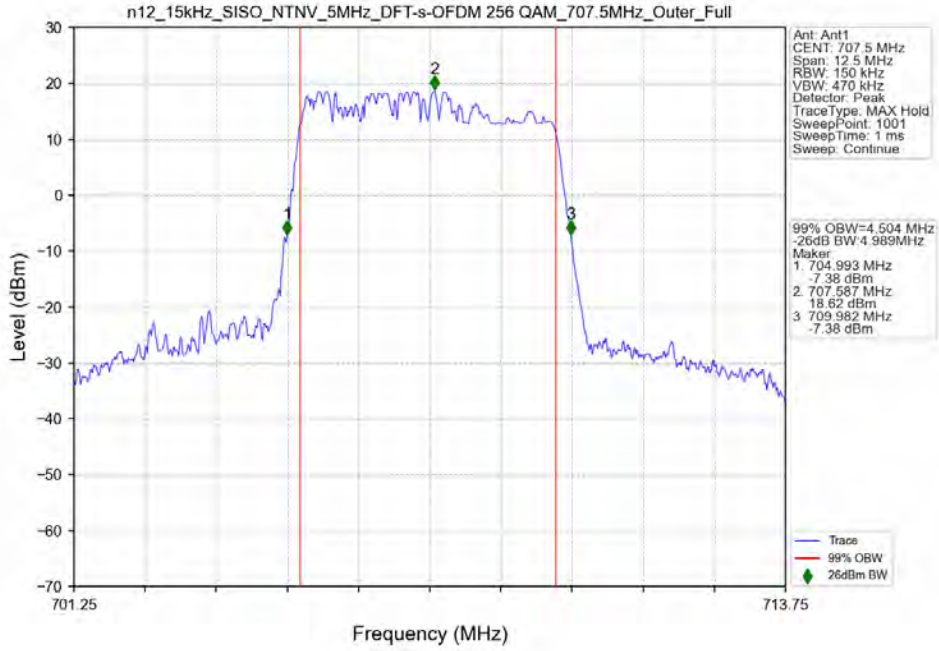
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_713.5MHz_Outer_Full



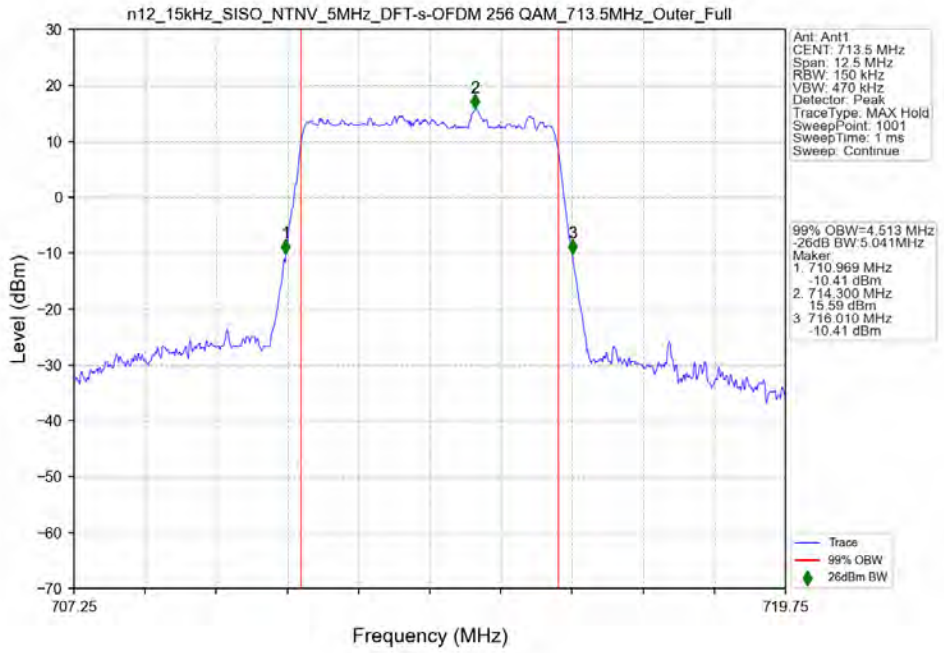
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_701.5MHz_Outer_Full



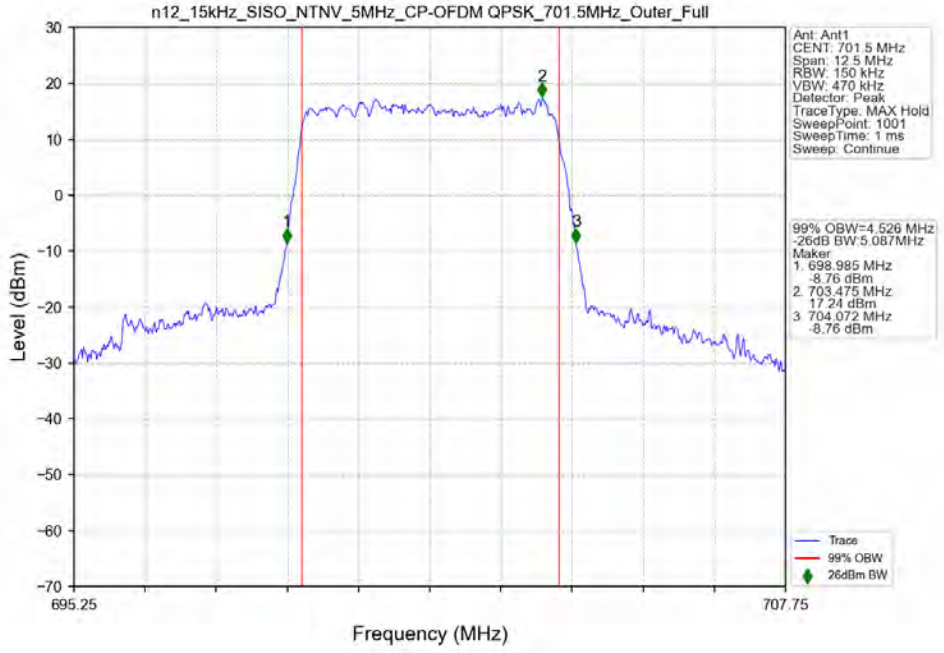
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full



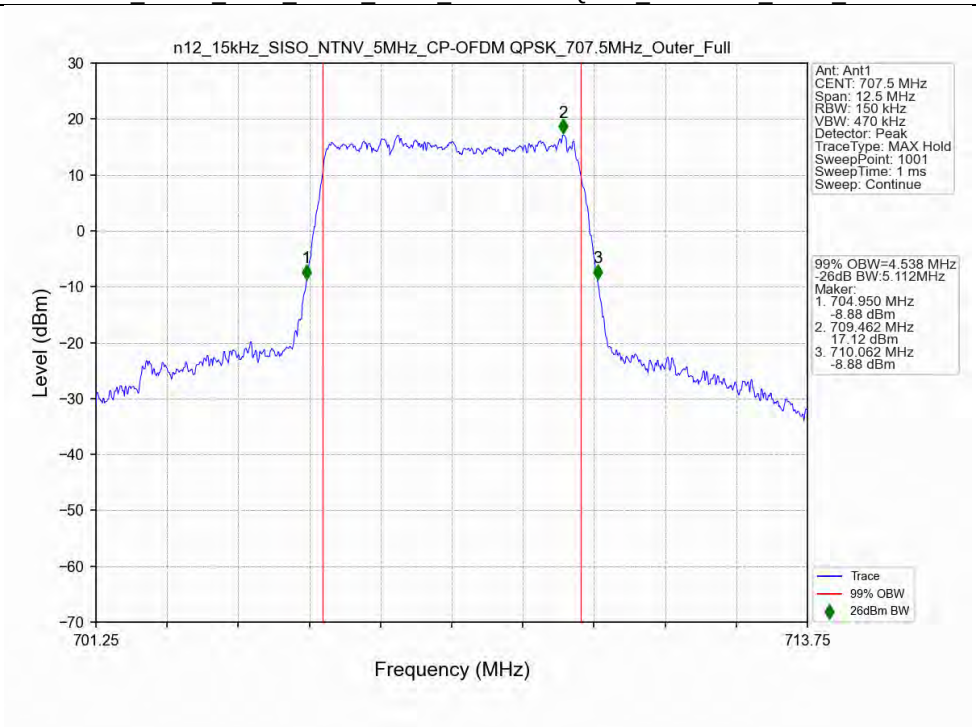
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_713.5MHz_Outer_Full



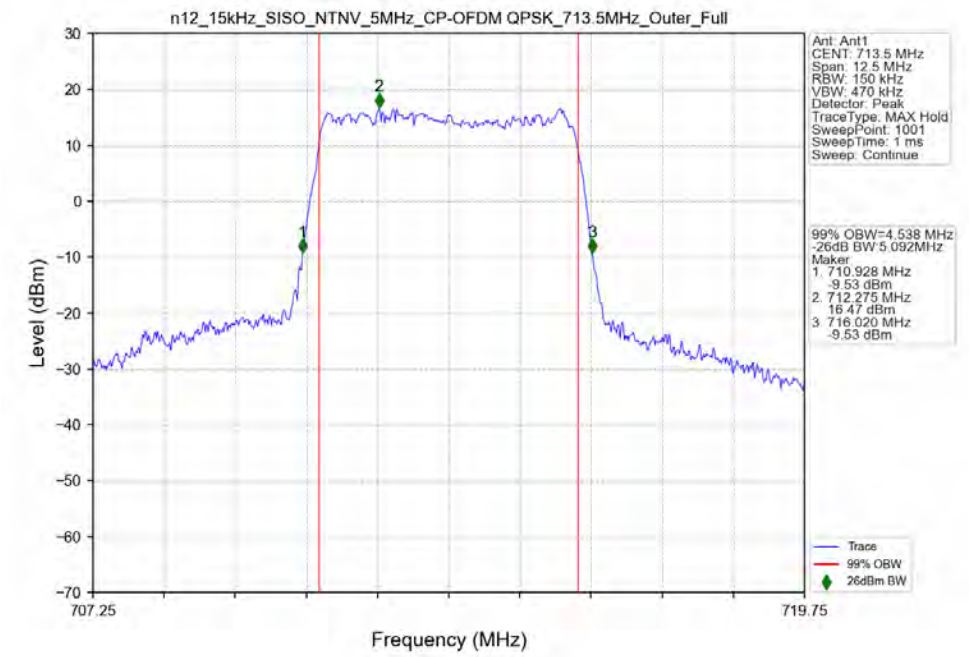
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_701.5MHz_Outer_Full



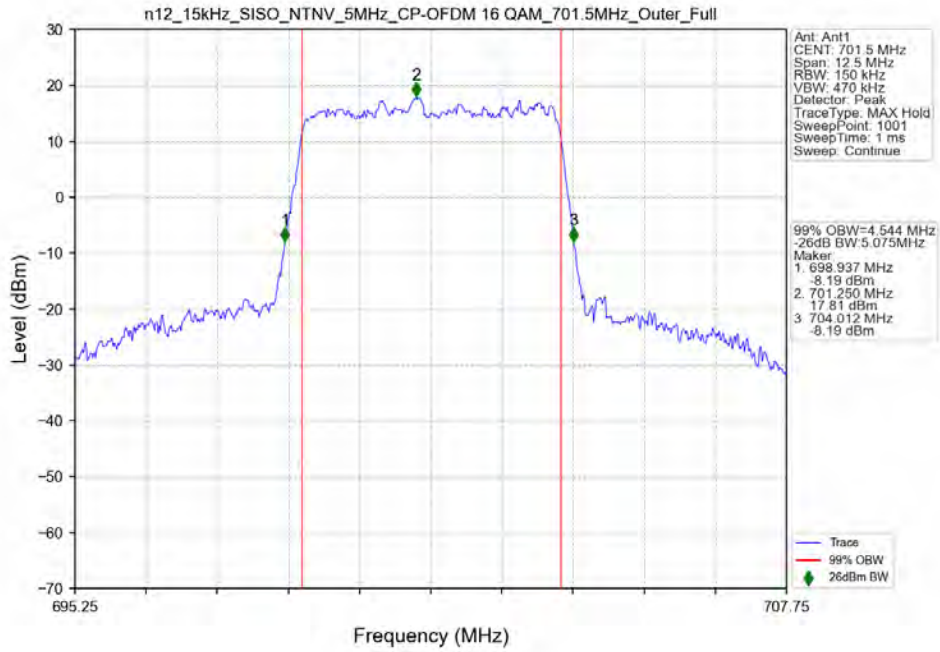
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_707.5MHz_Outer_Full



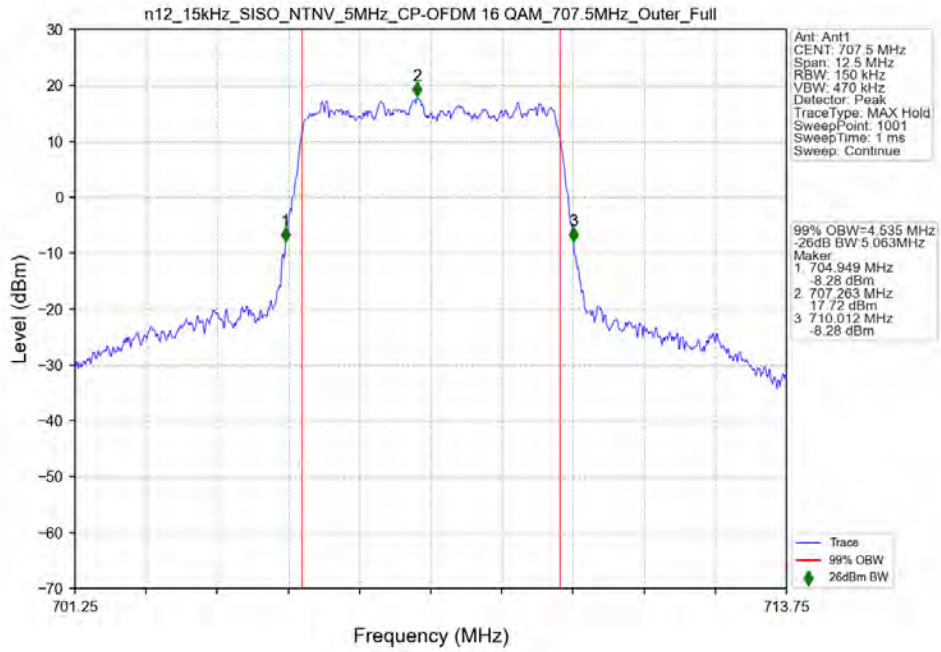
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Outer_Full



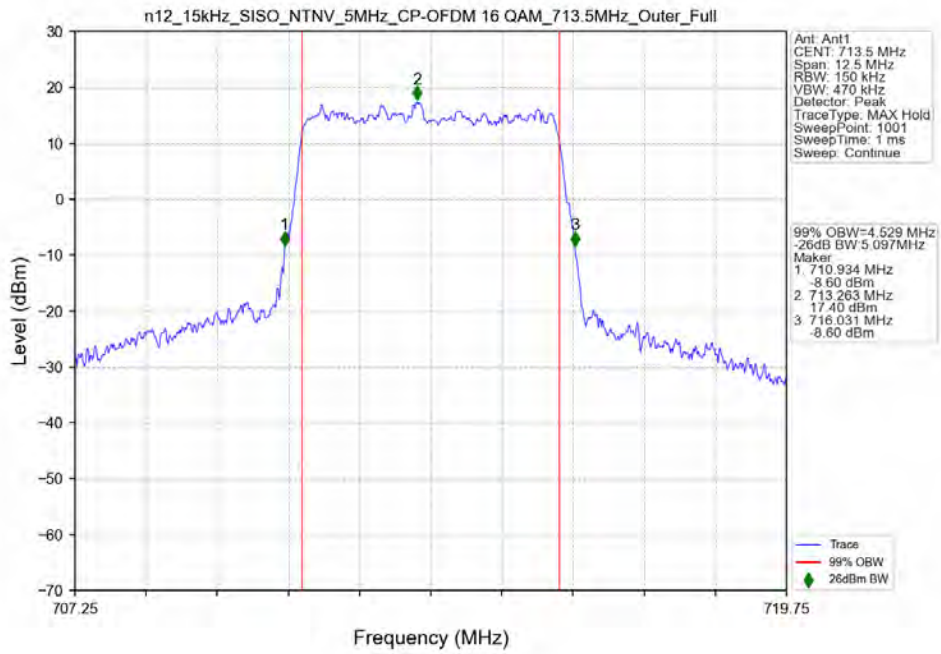
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_701.5MHz_Outer_Full



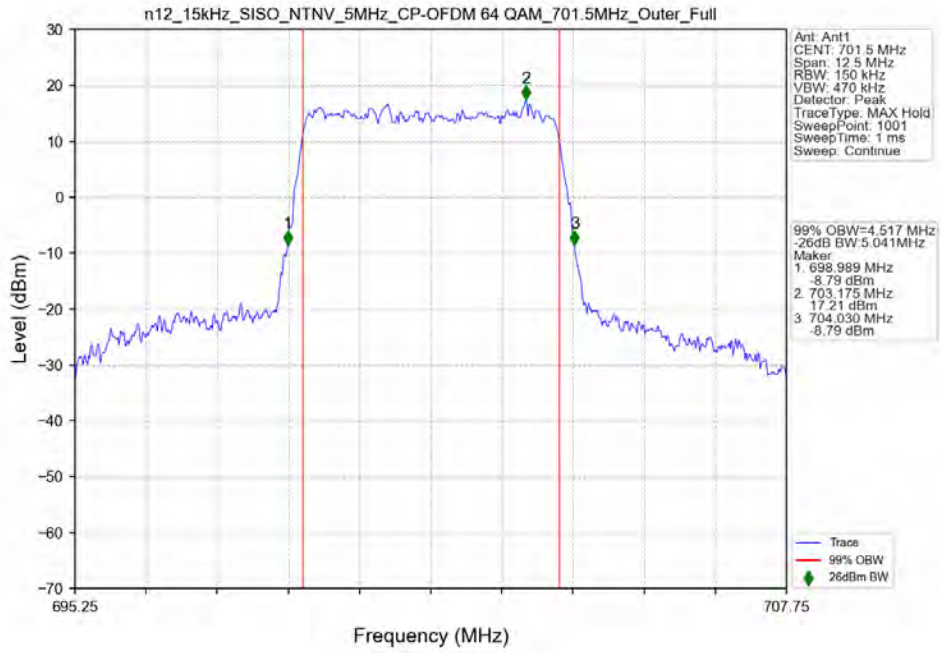
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full



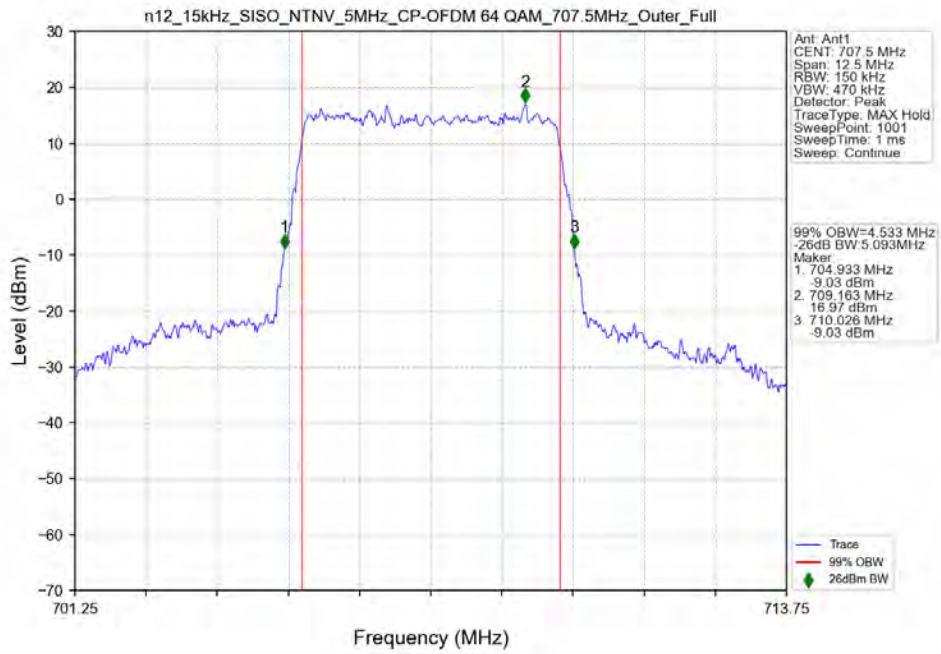
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_713.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_701.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full



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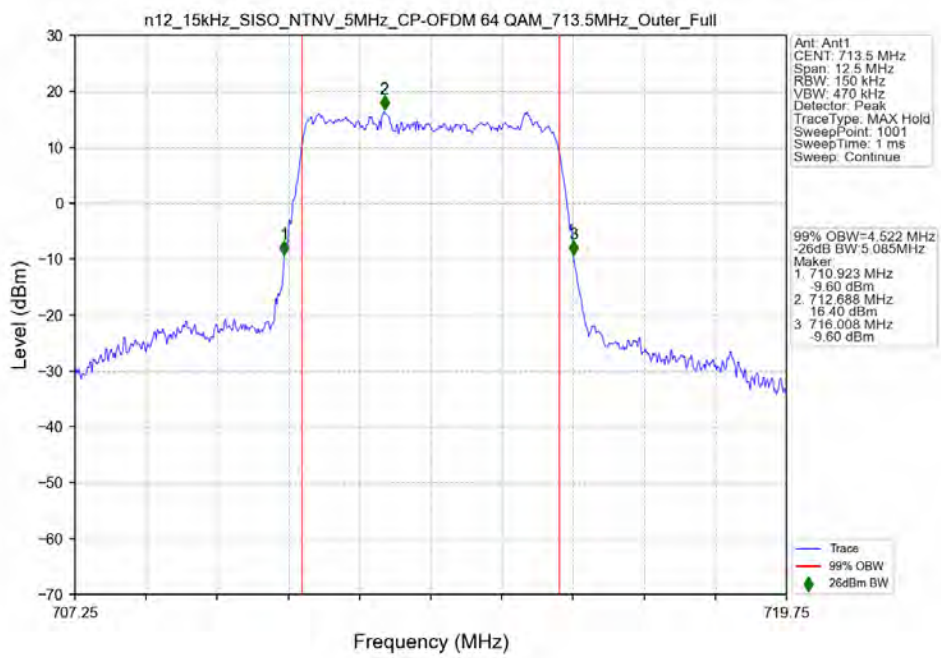
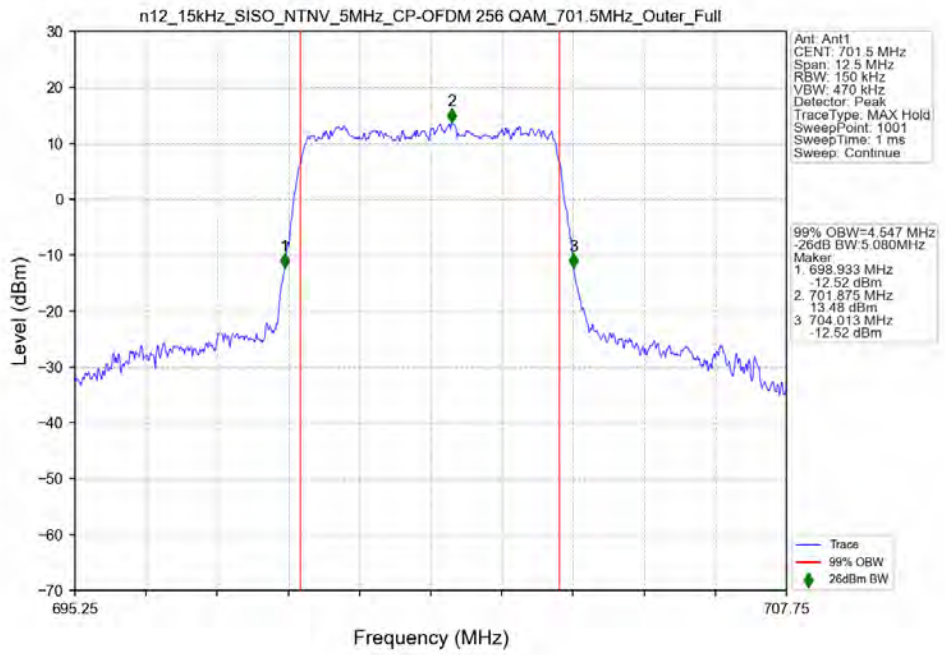
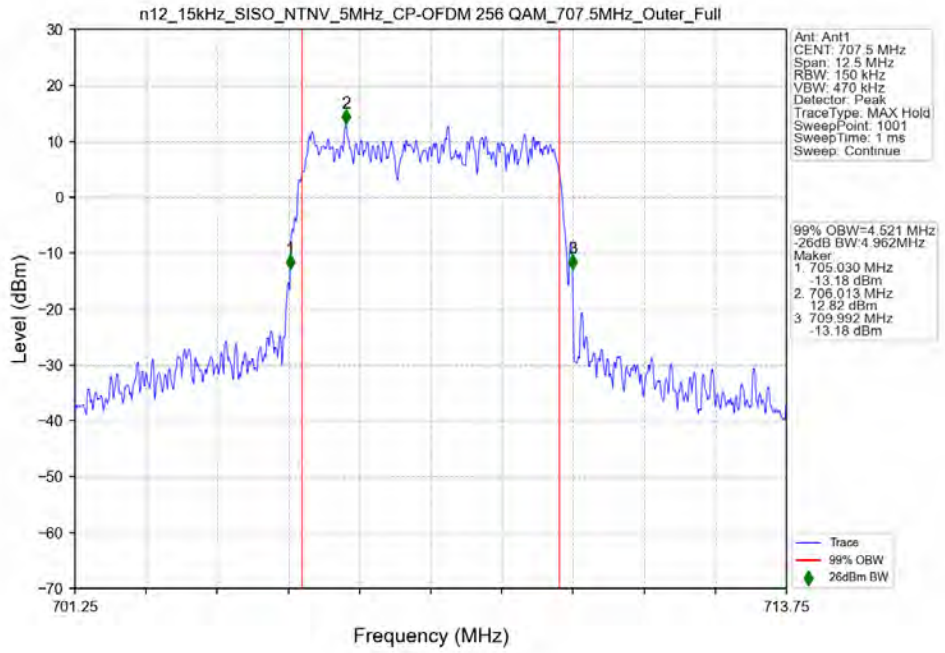


n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_701.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full



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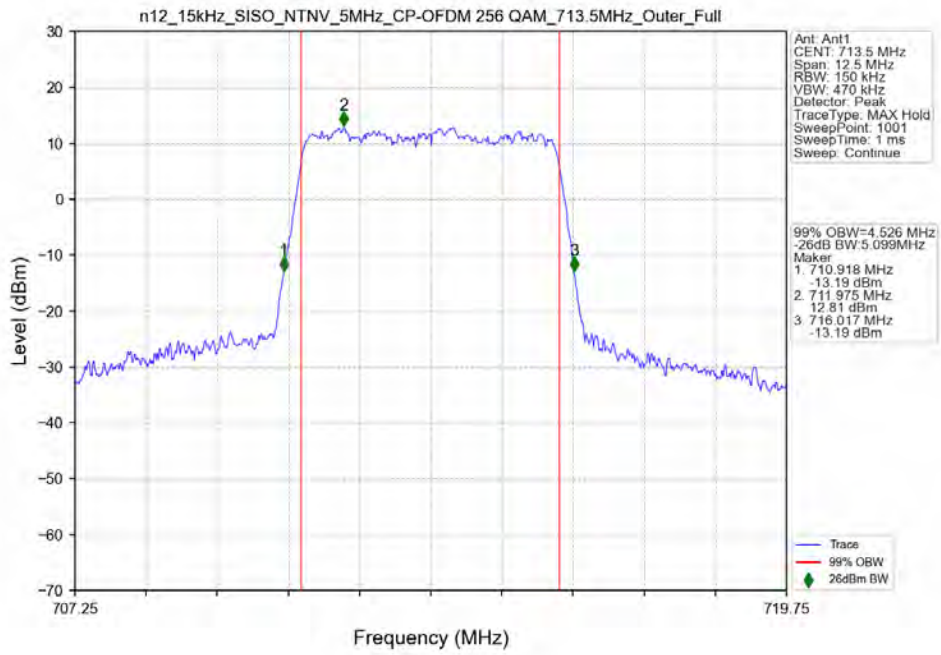
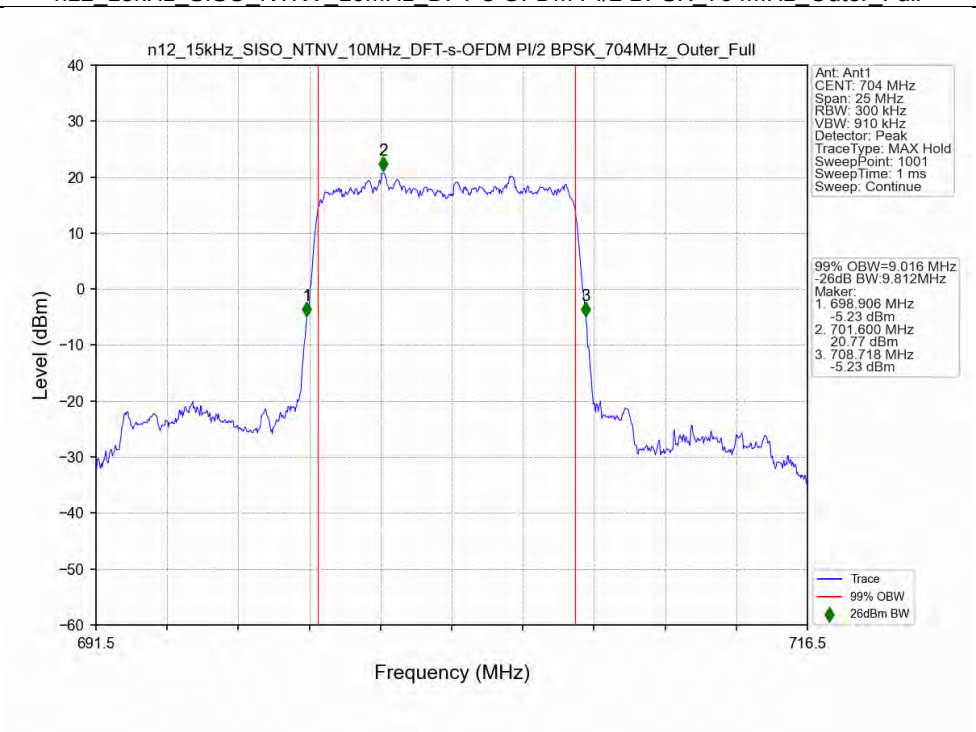
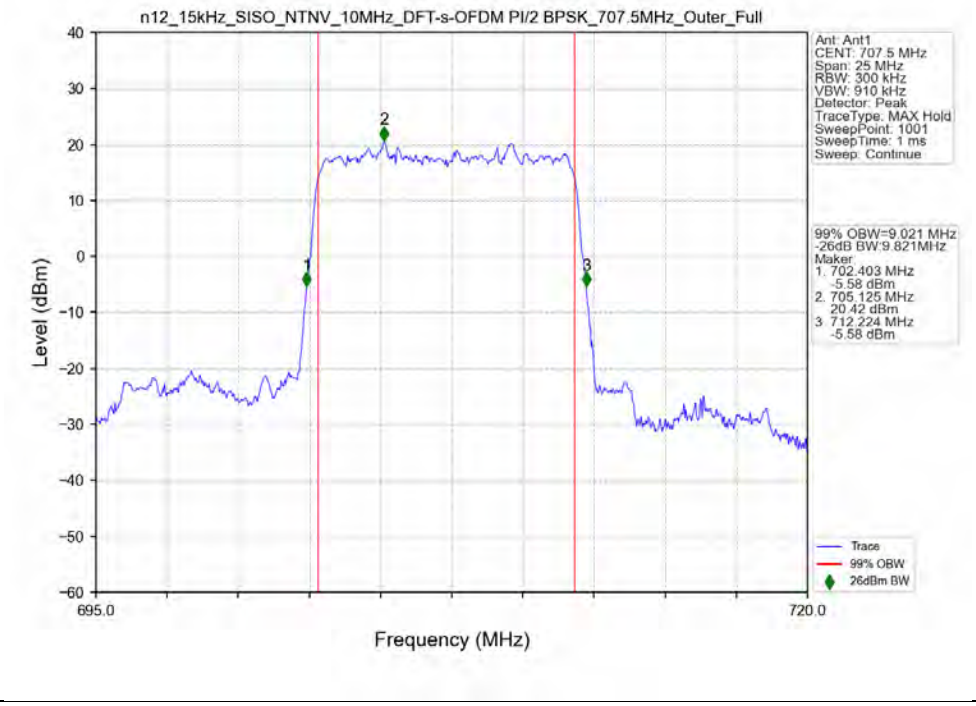


3.2.2 15k_SISO_10MHz_NTNV

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Outer_Full



n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Outer_Full



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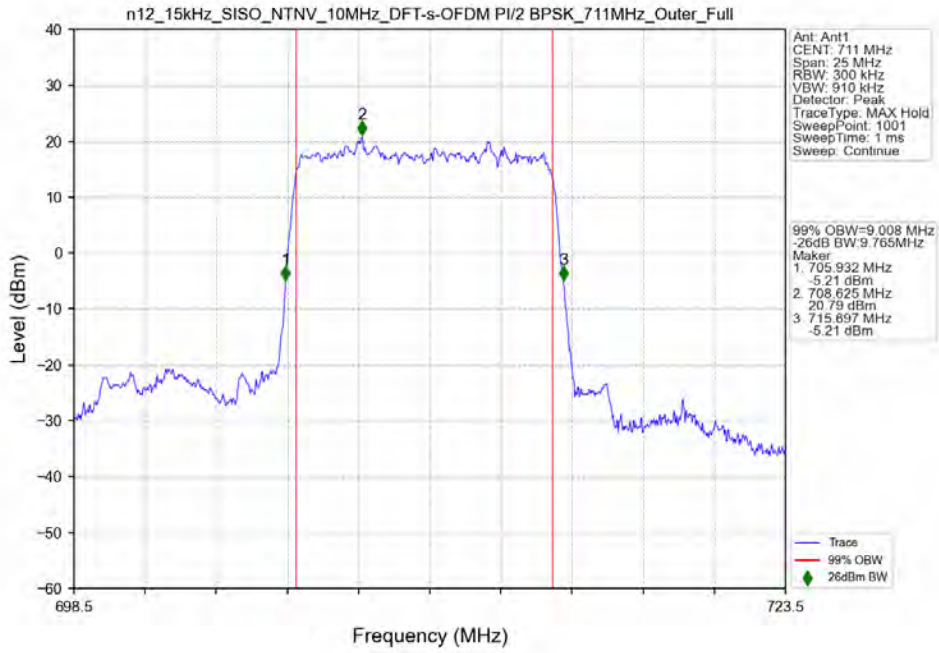
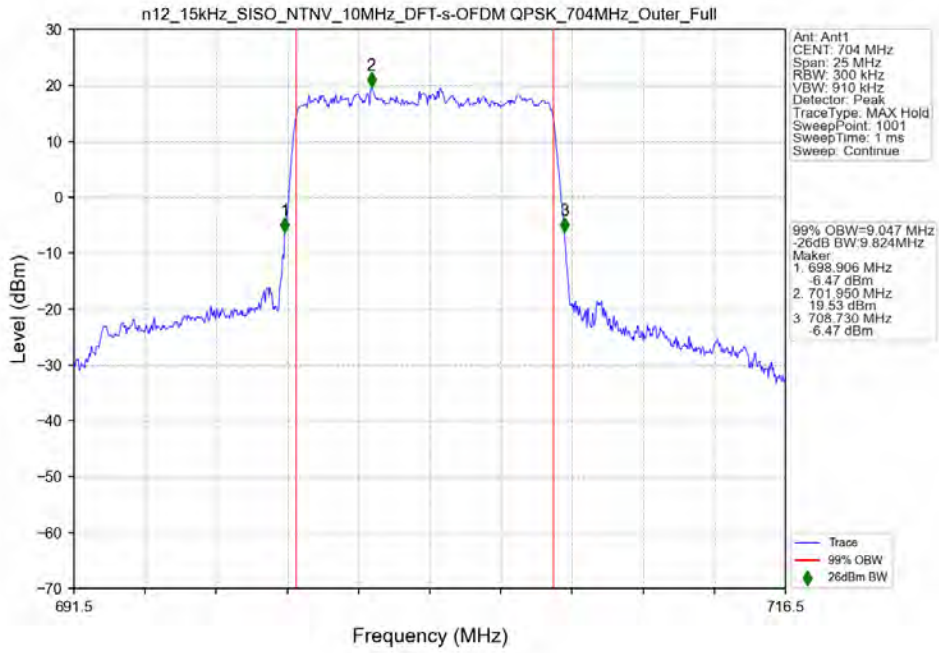
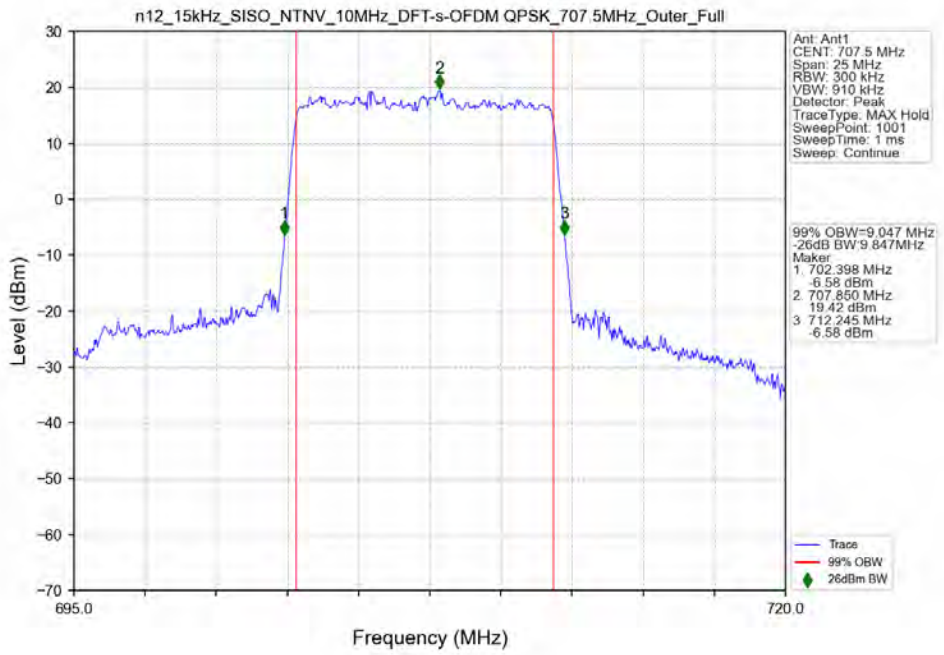


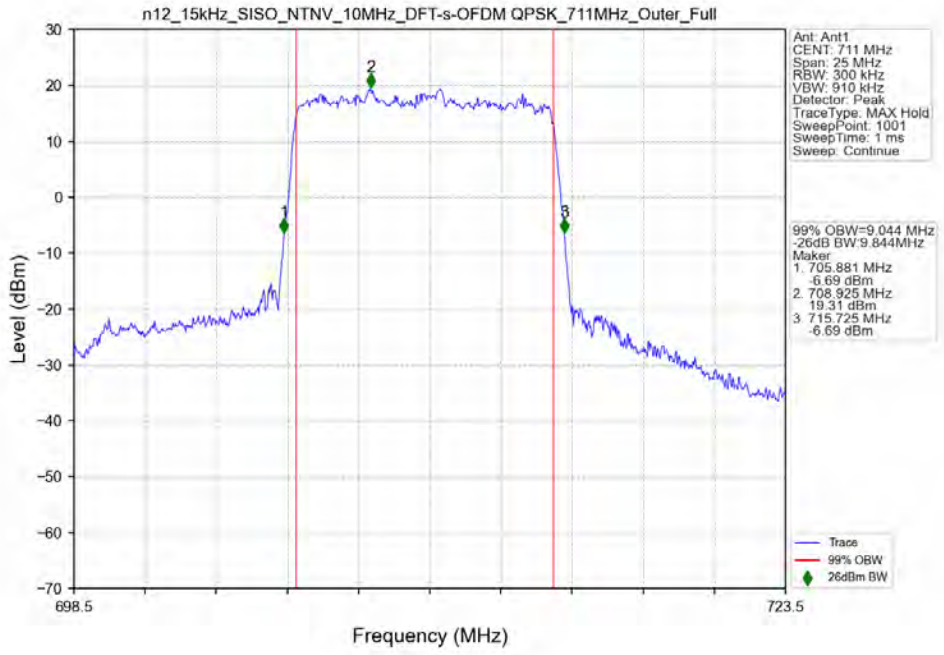
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Outer_Full



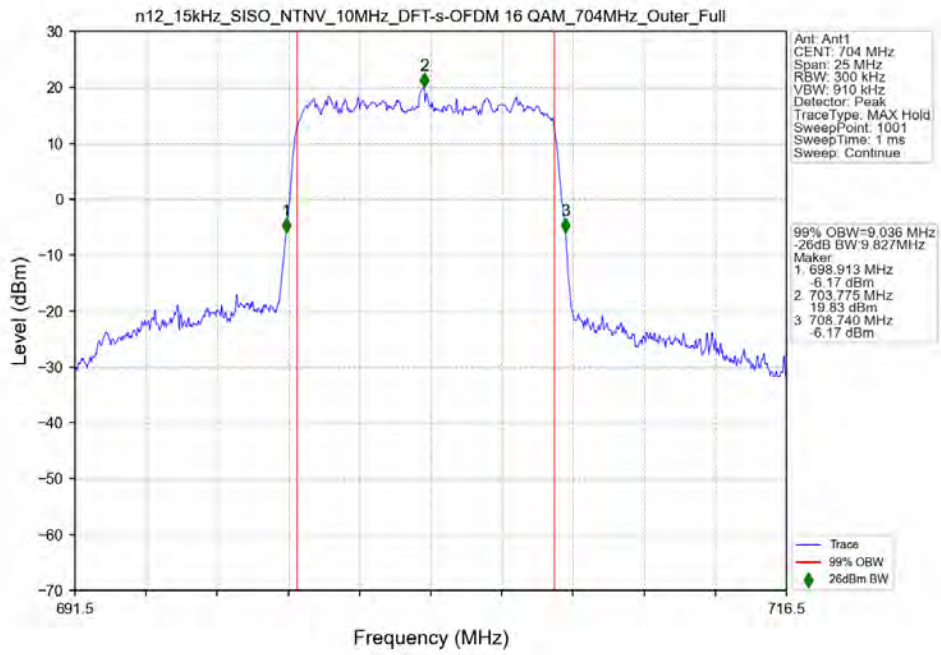
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_707.5MHz_Outer_Full



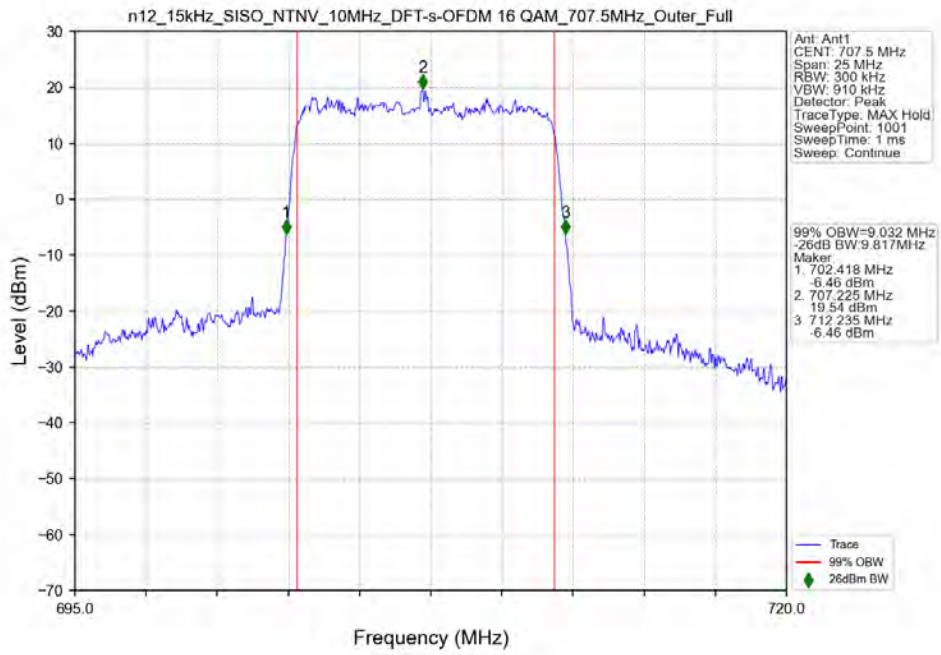
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Outer_Full



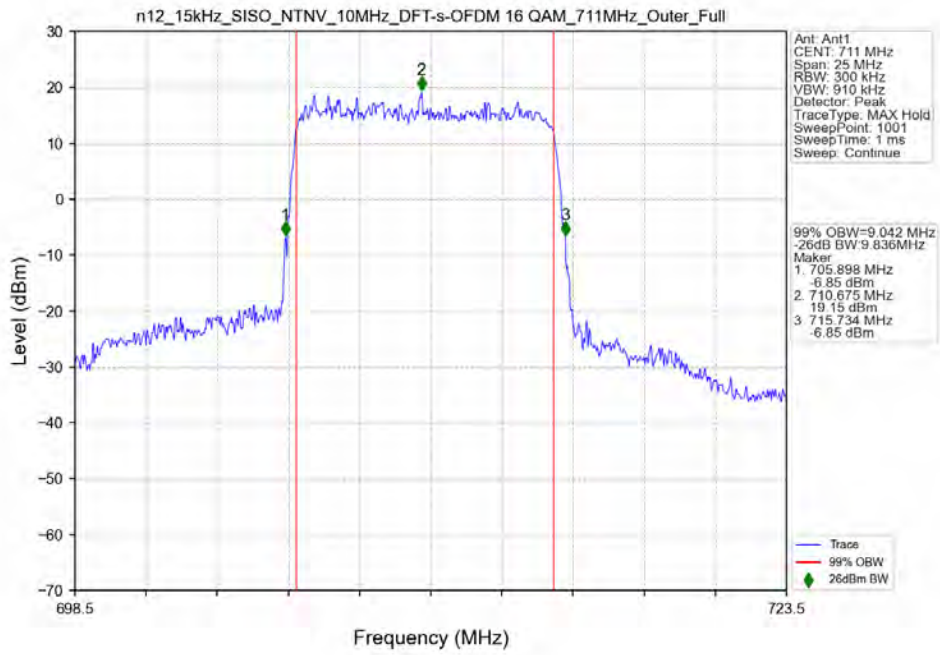
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_704MHz_Outer_Full



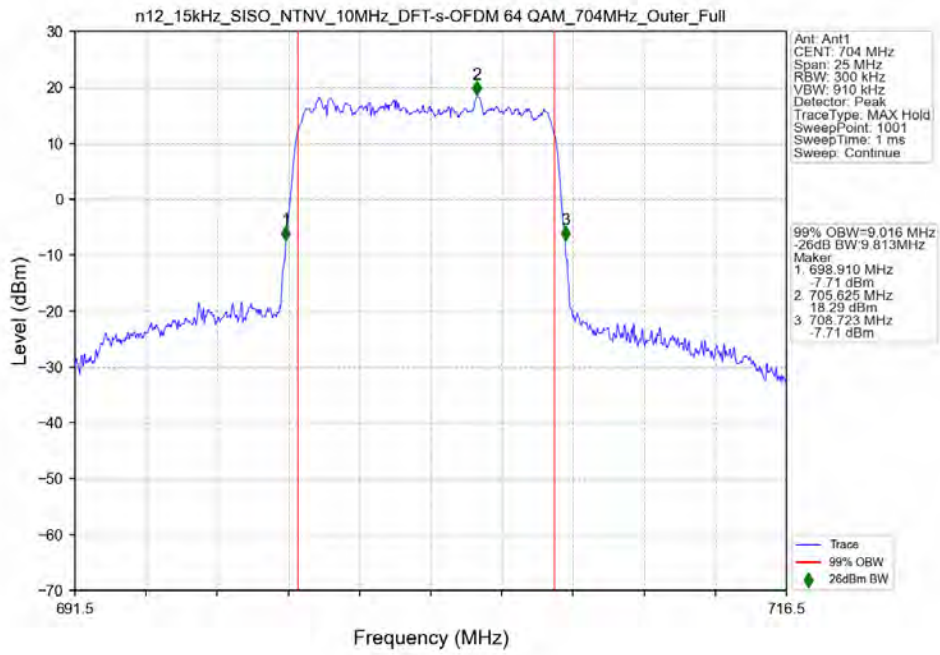
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full



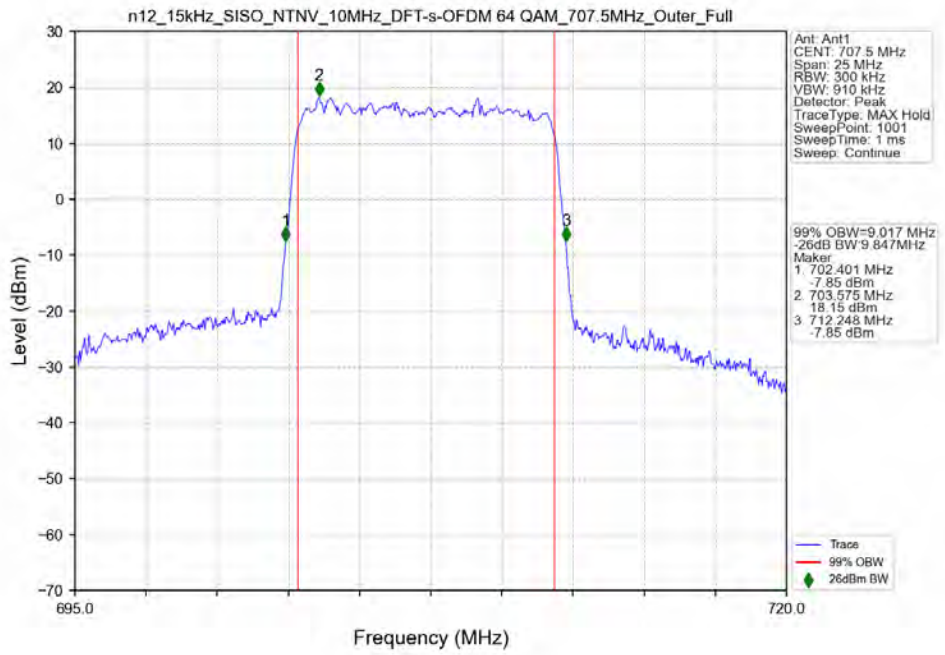
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_711MHz_Outer_Full



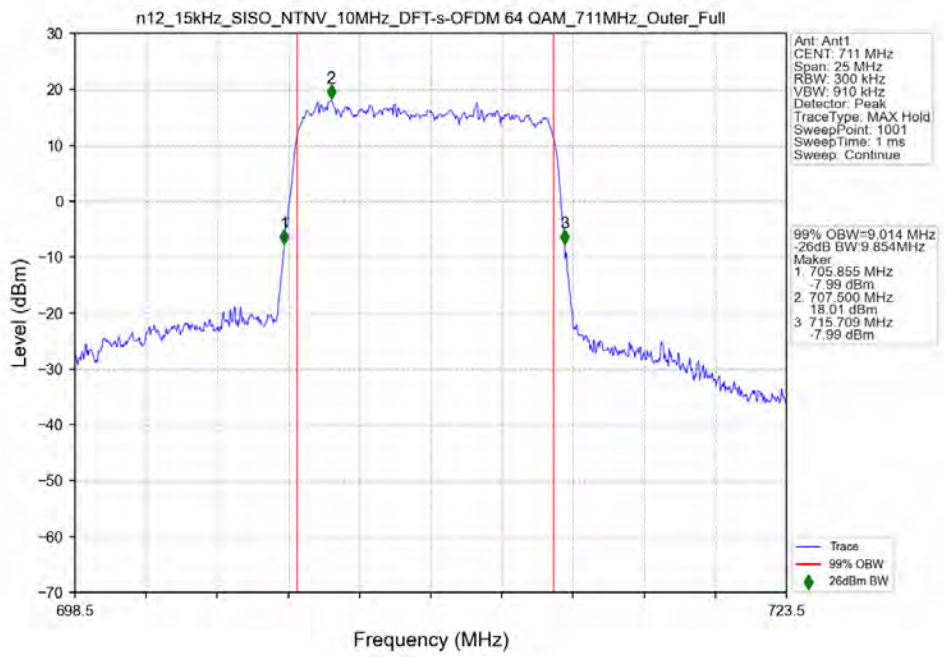
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_704MHz_Outer_Full



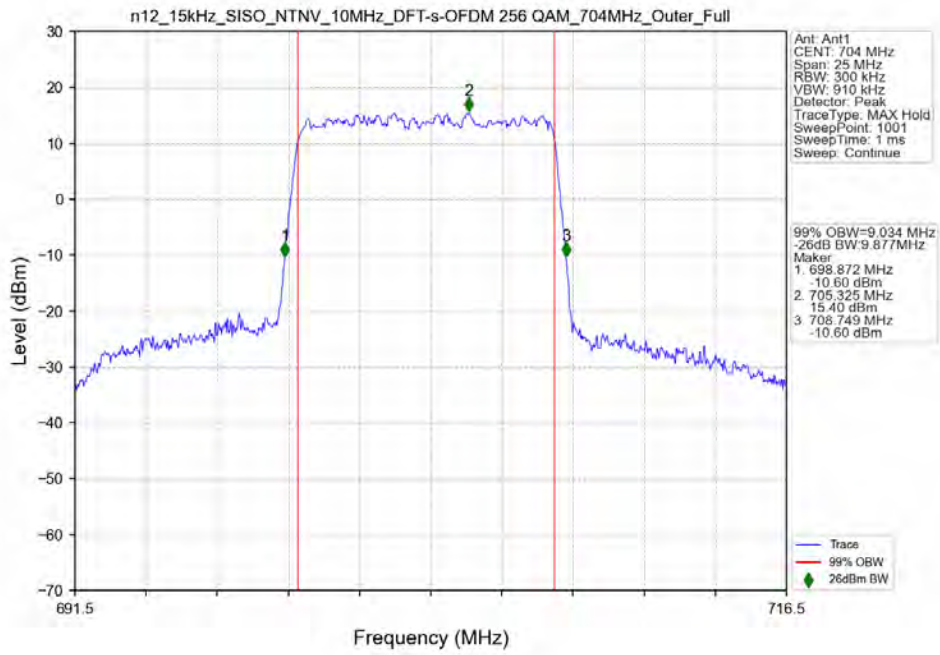
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full



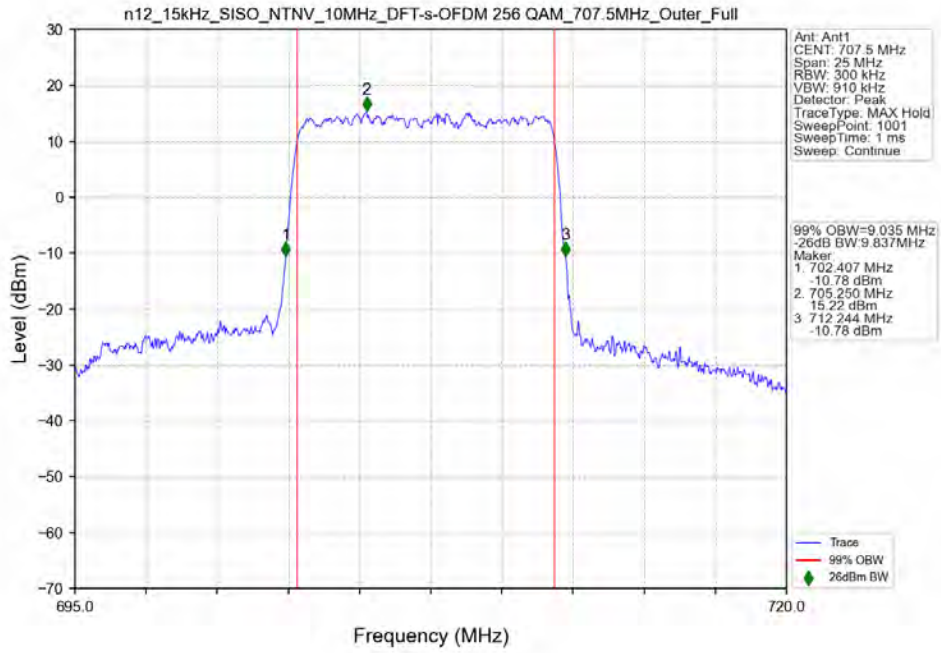
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_711MHz_Outer_Full



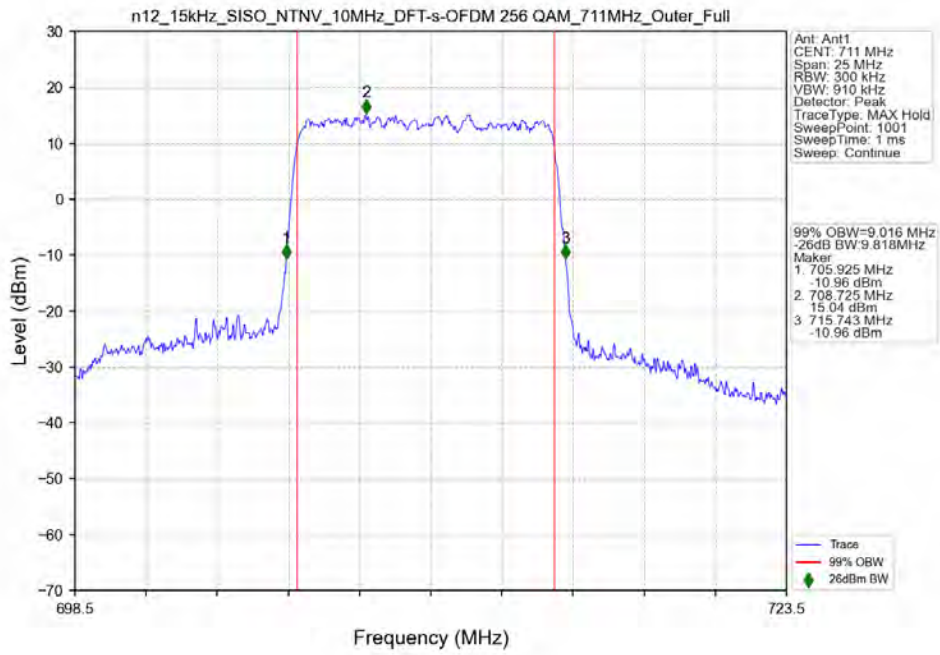
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_704MHz_Outer_Full



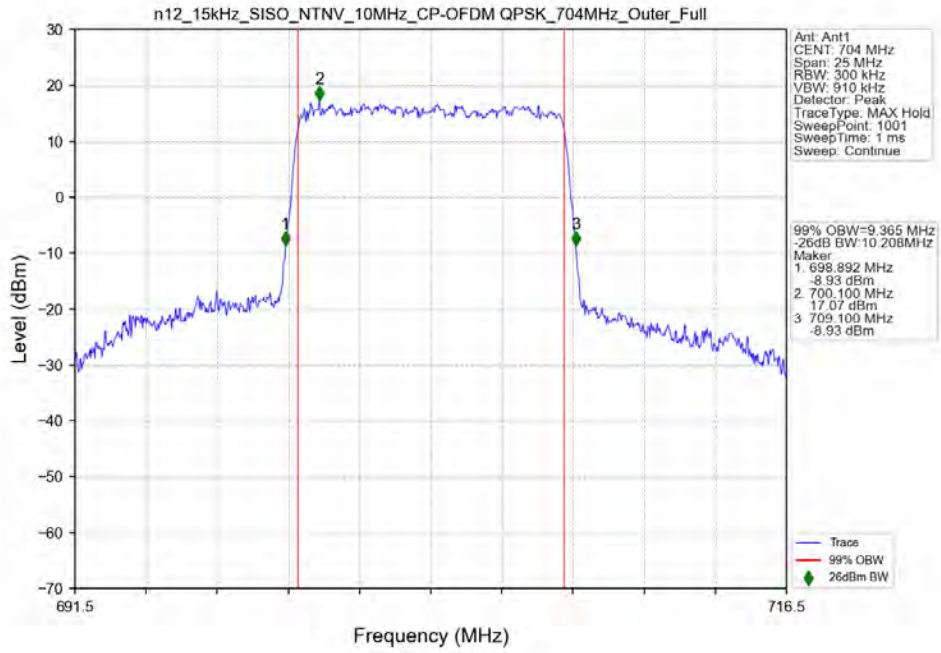
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full



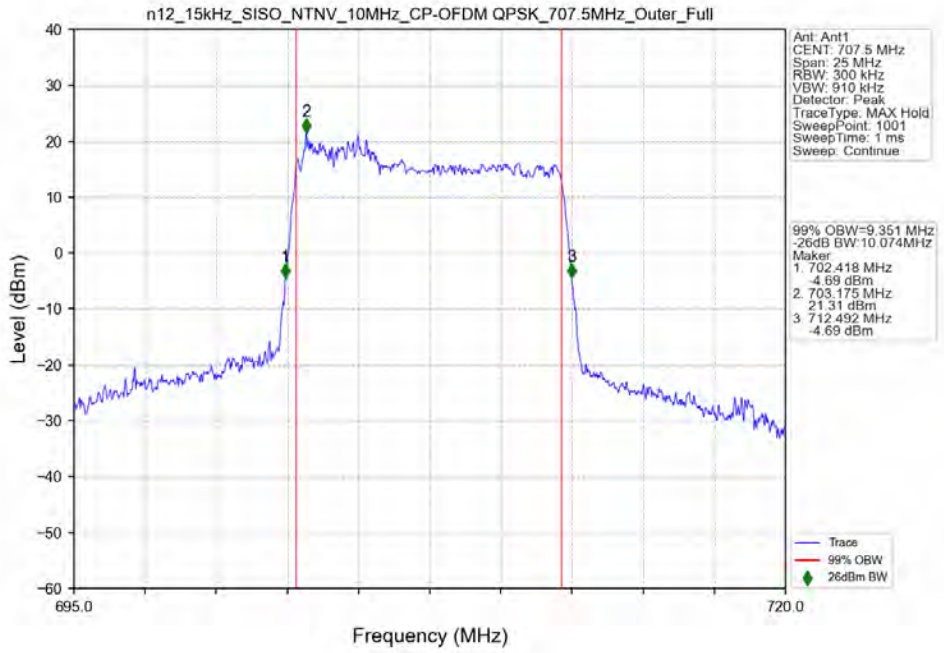
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_711MHz_Outer_Full



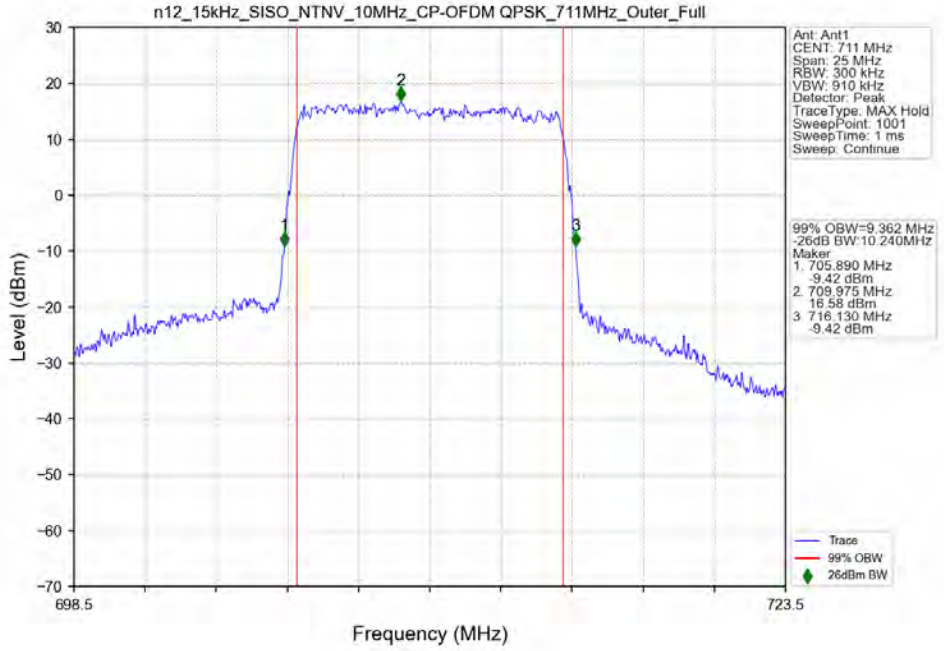
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Outer_Full



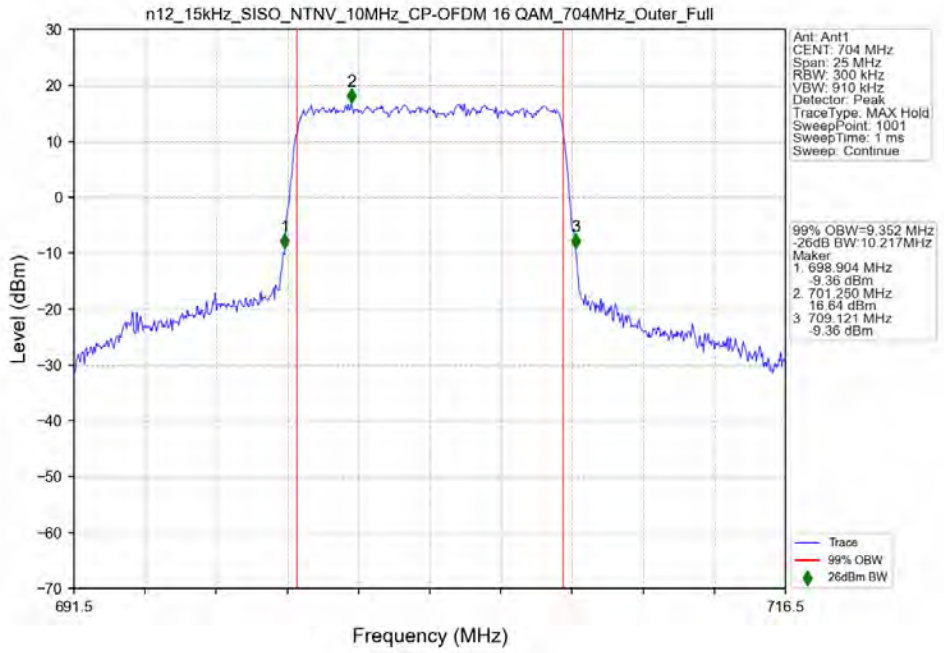
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_707.5MHz_Outer_Full



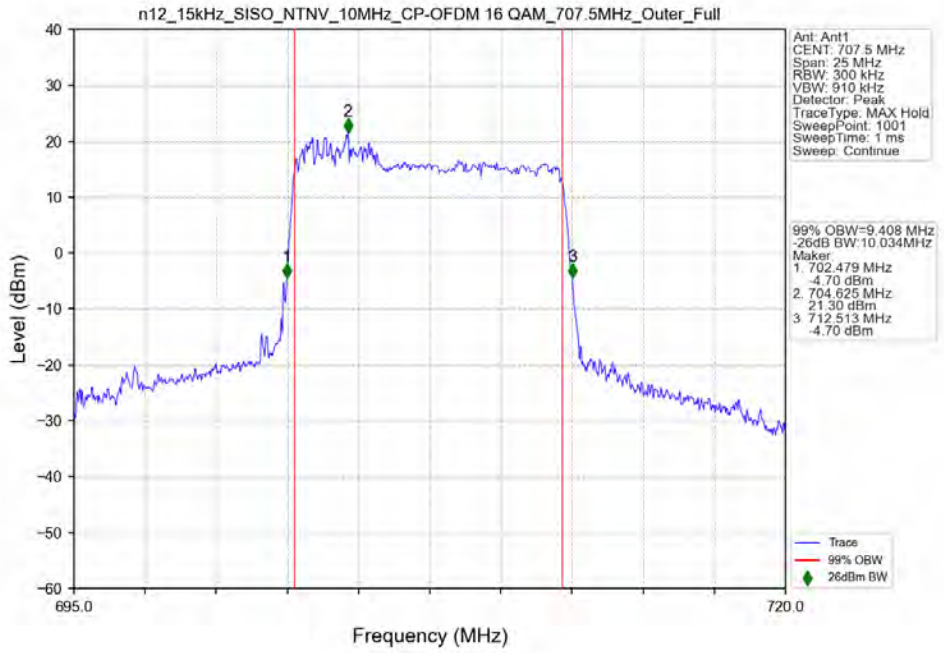
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Outer_Full



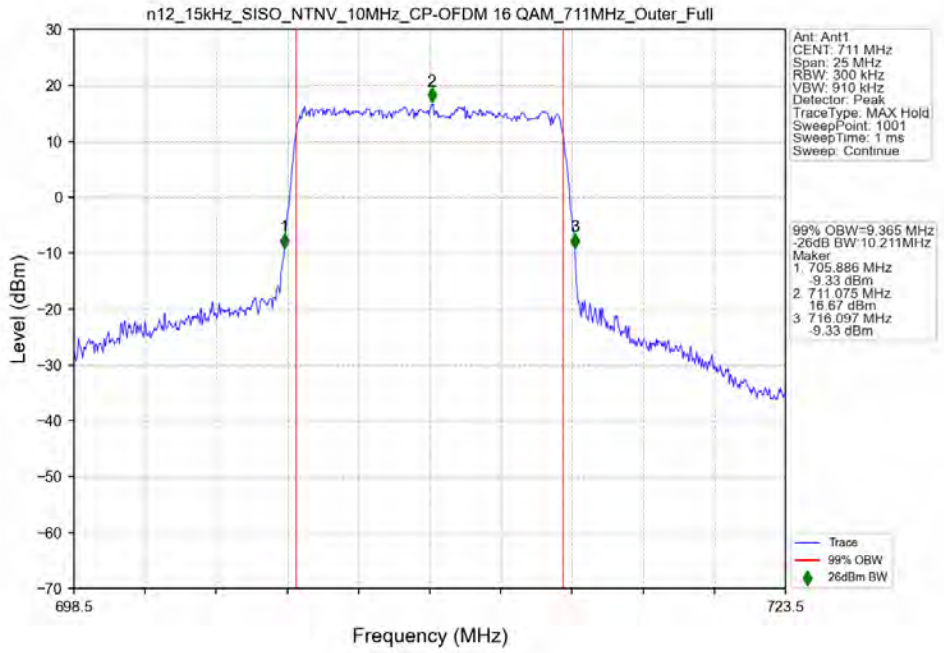
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_704MHz_Outer_Full



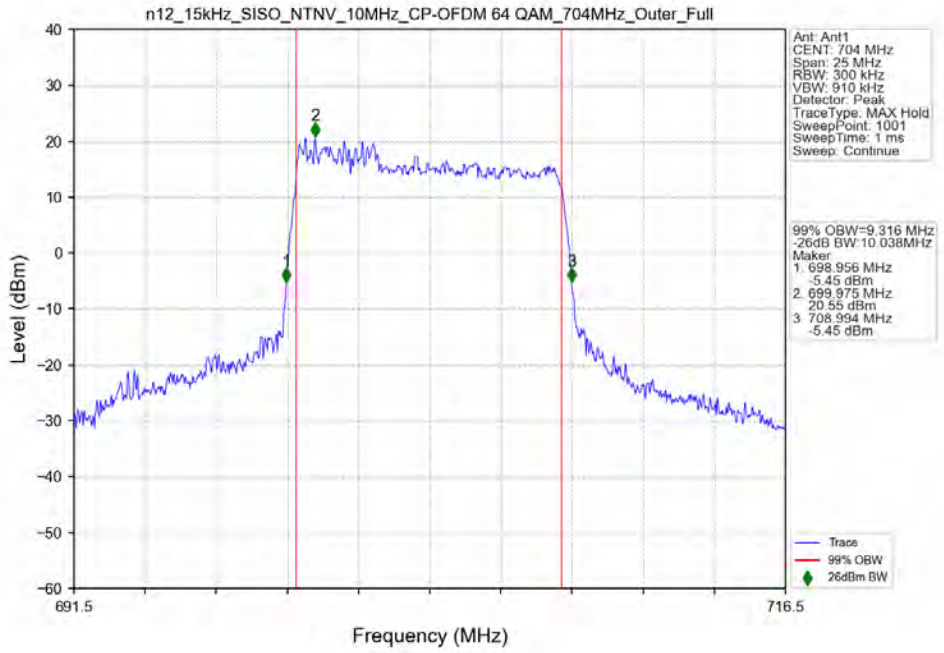
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full



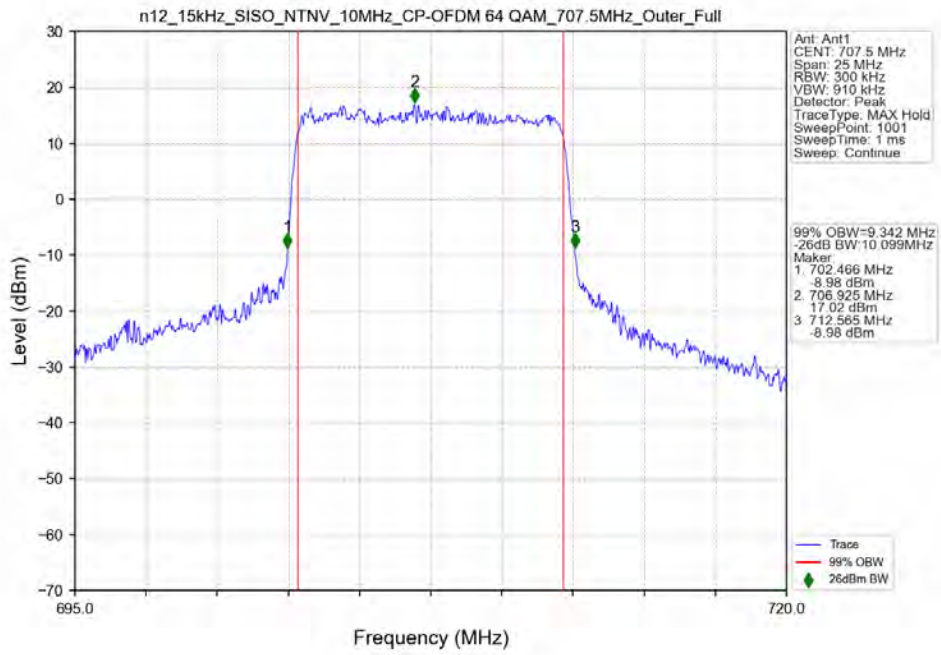
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_711MHz_Outer_Full



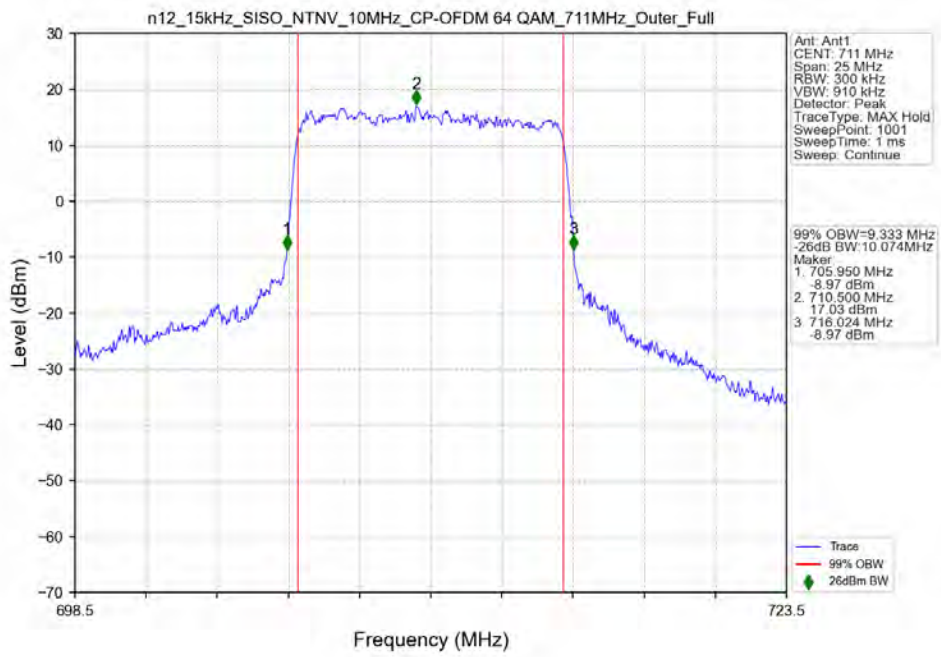
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_704MHz_Outer_Full



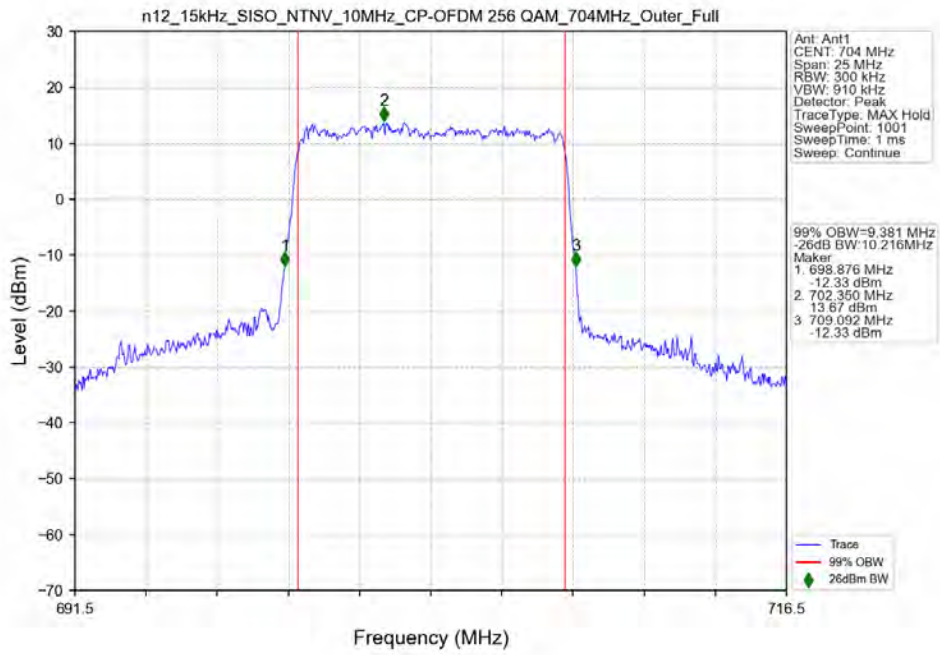
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full



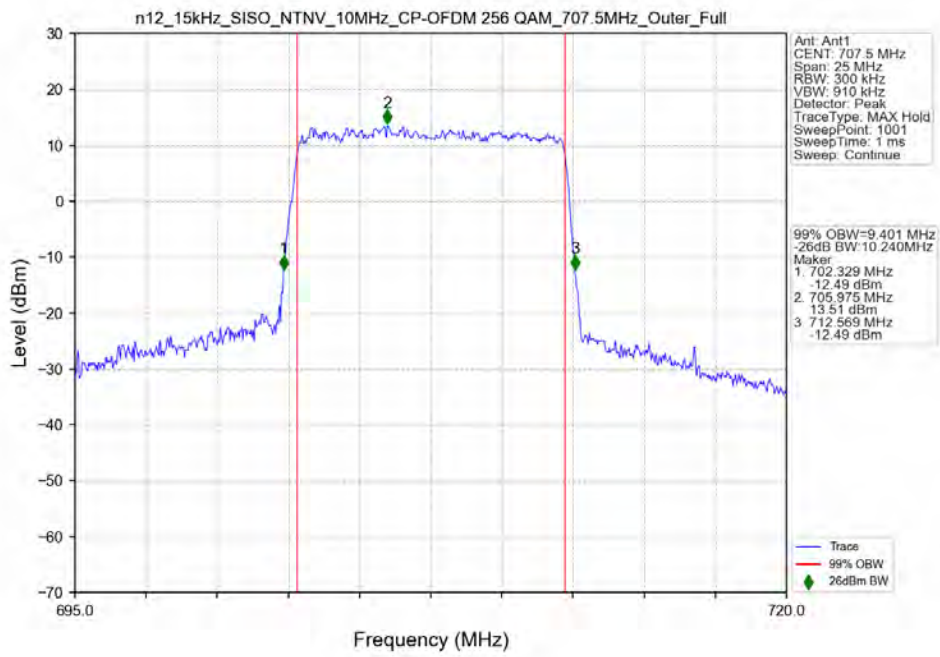
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_711MHz_Outer_Full



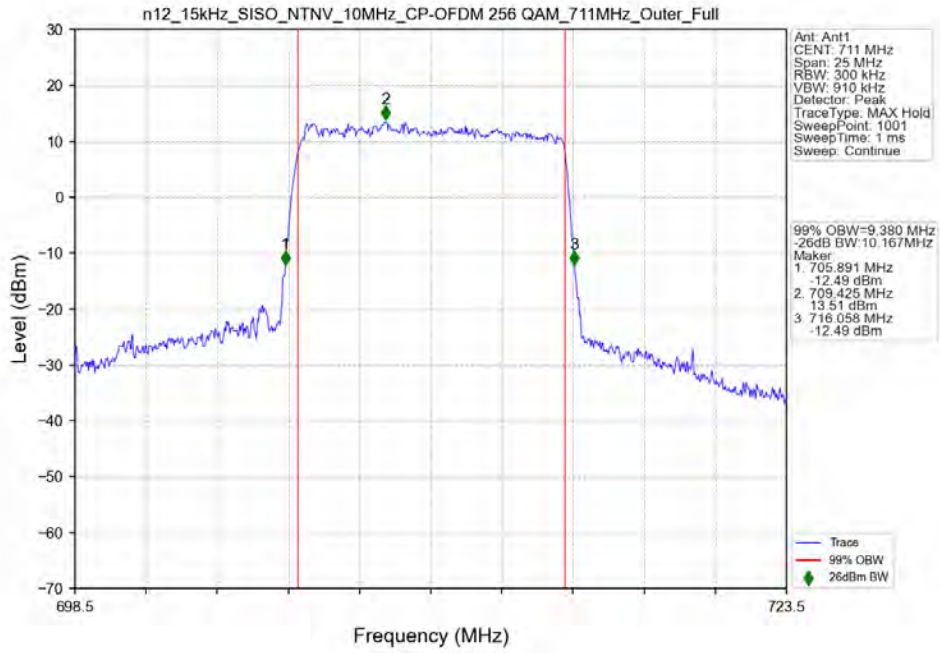
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_704MHz_Outer_Full



n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full

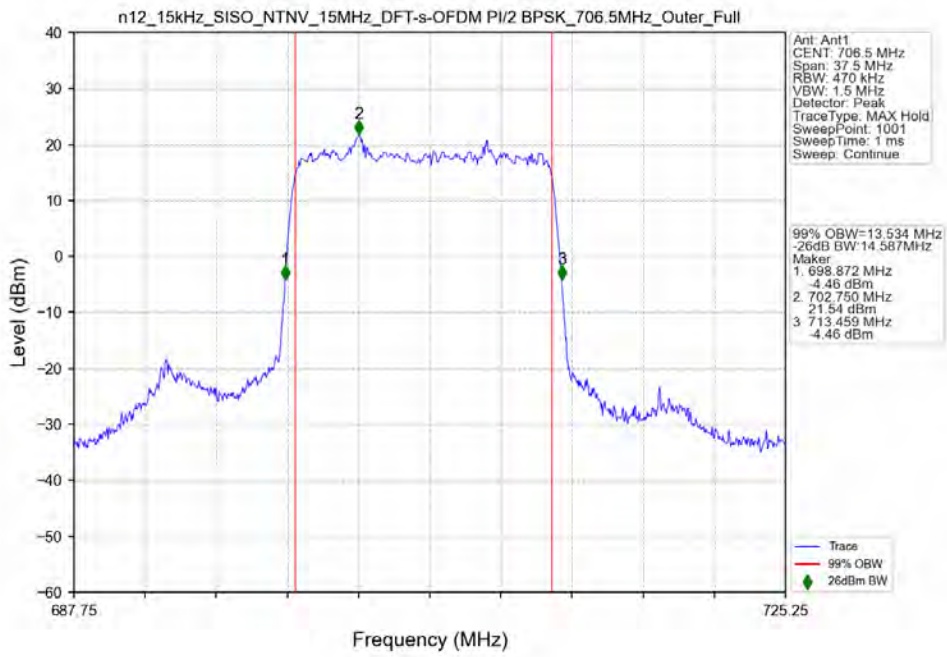


n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_711MHz_Outer_Full

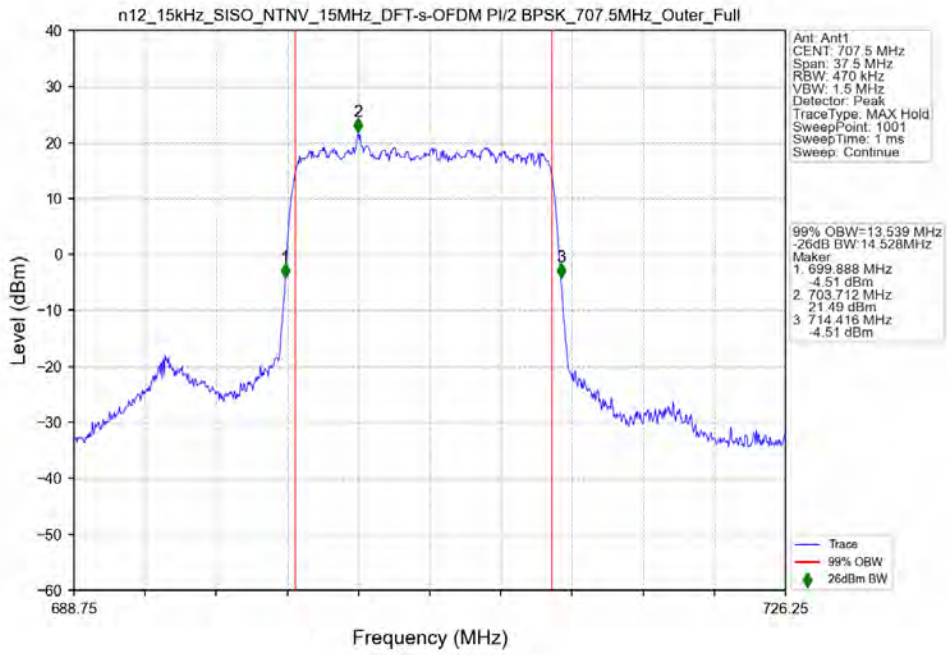


3.2.3 15k_SISO_15MHz_NTNV

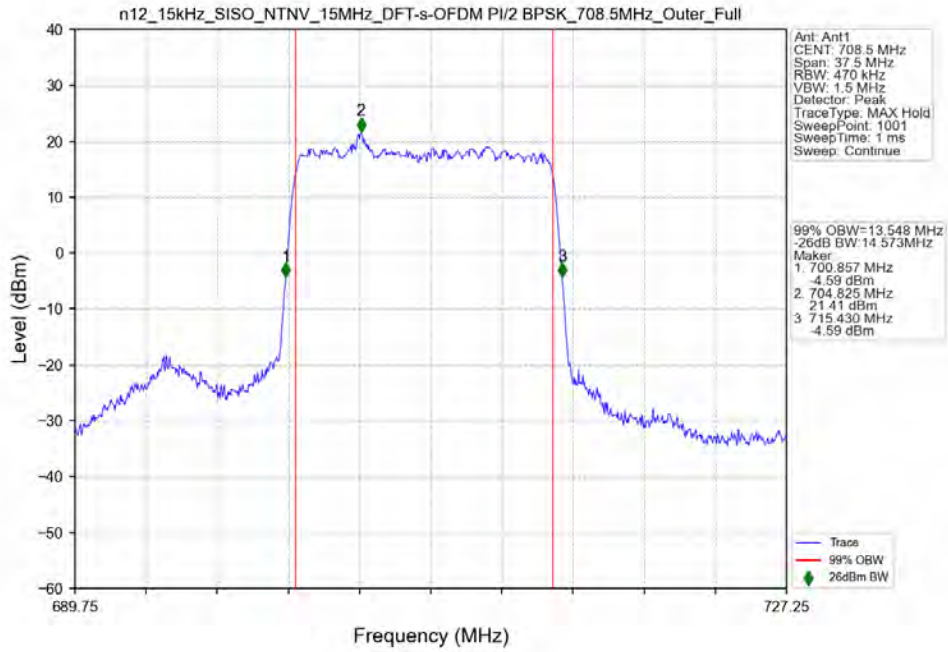
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Outer_Full



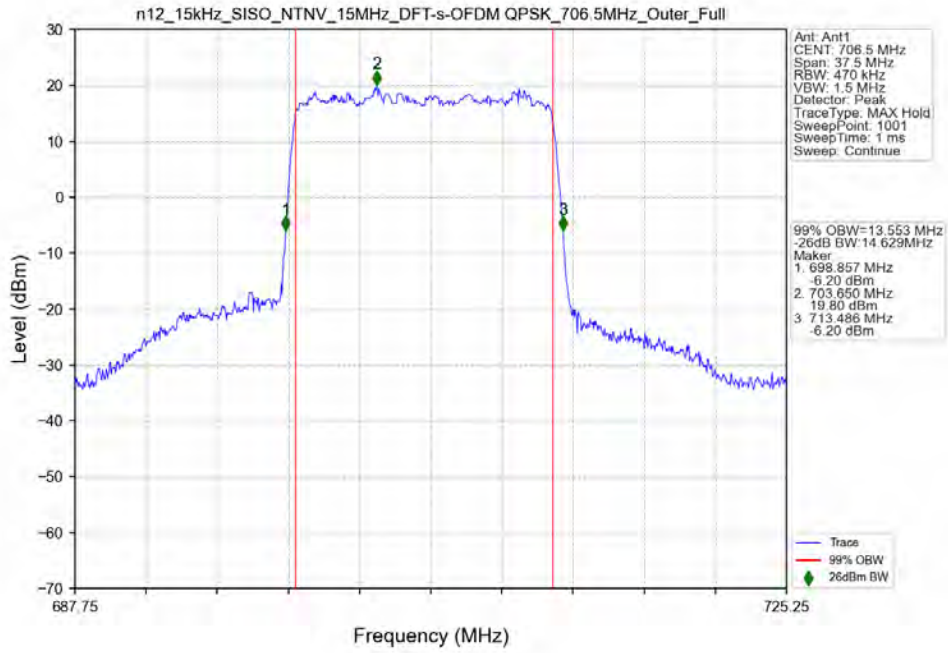
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Outer_Full



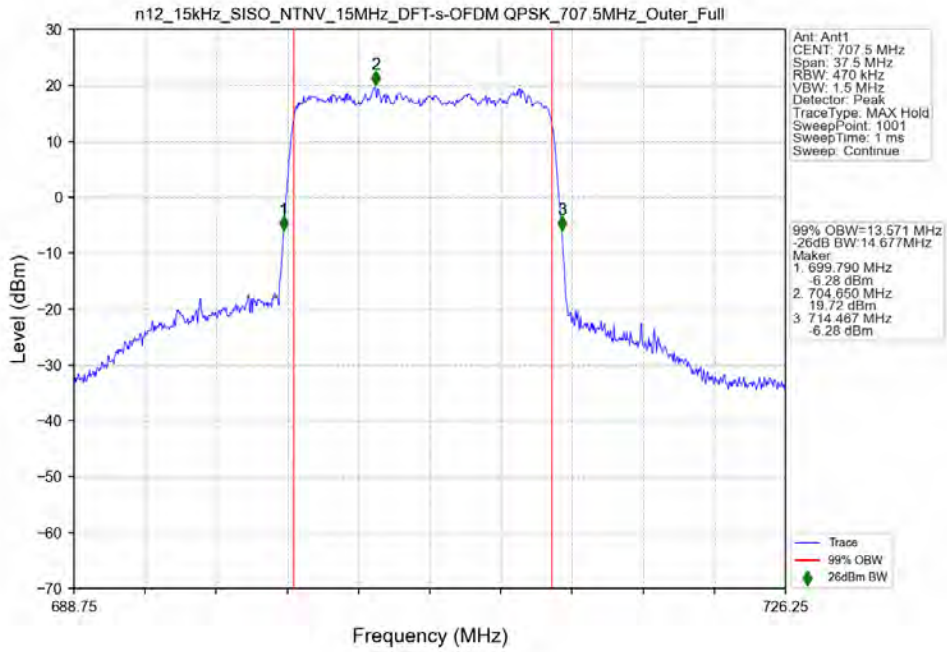
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Outer_Full



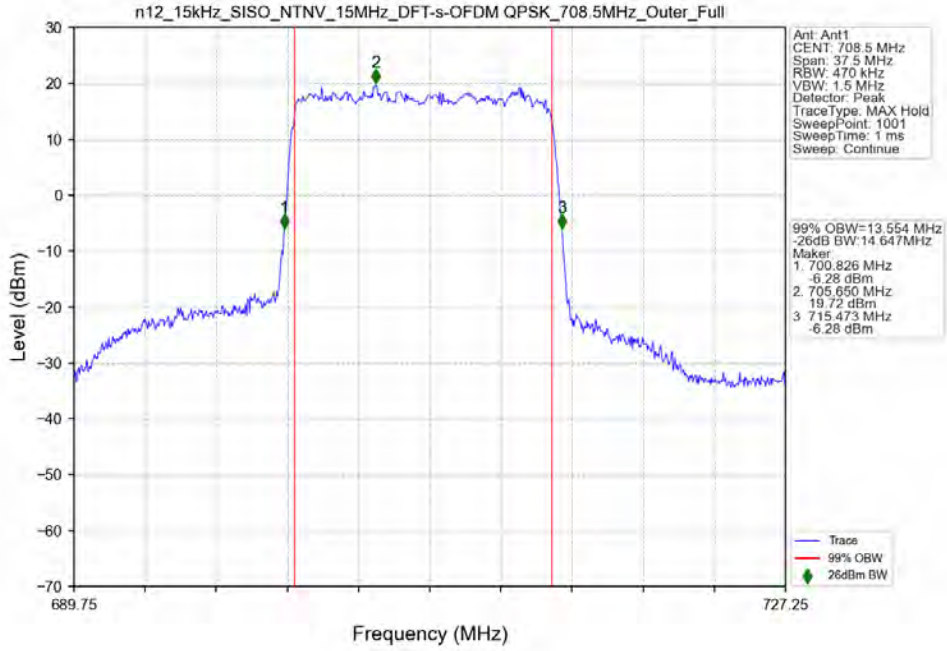
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_706.5MHz_Outer_Full



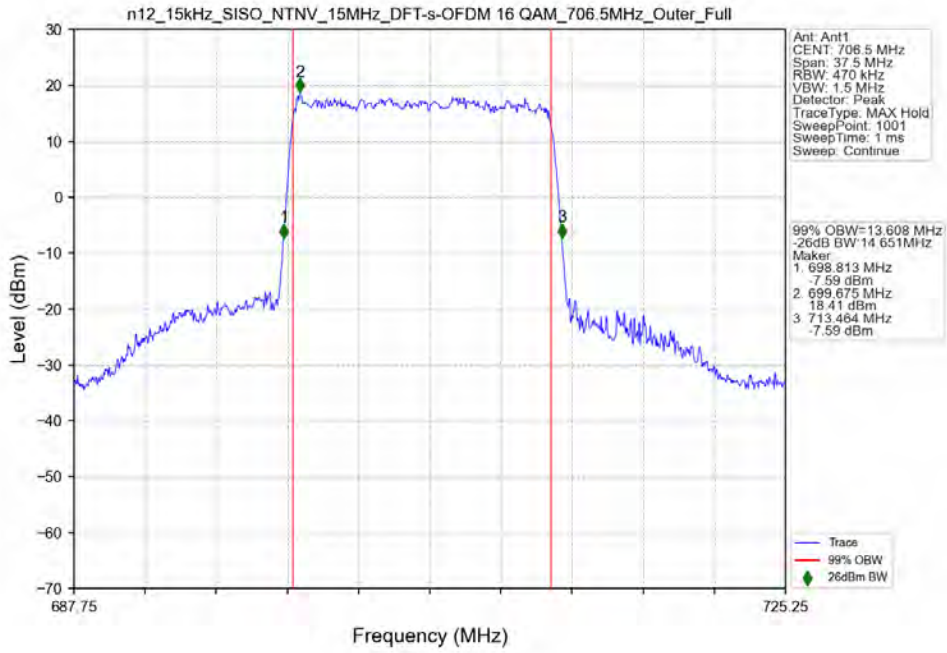
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_707.5MHz_Outer_Full



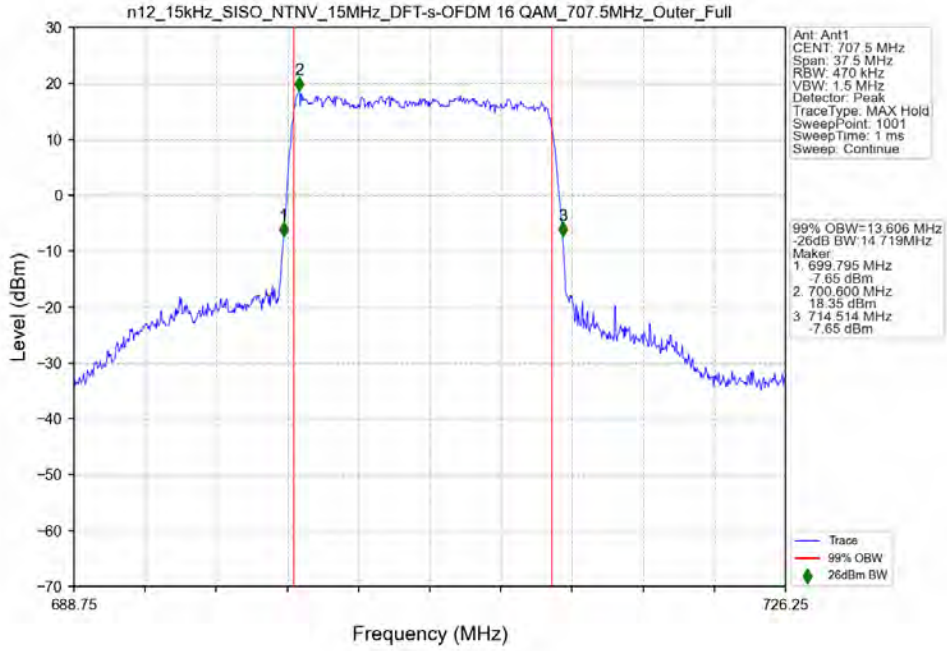
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_708.5MHz_Outer_Full



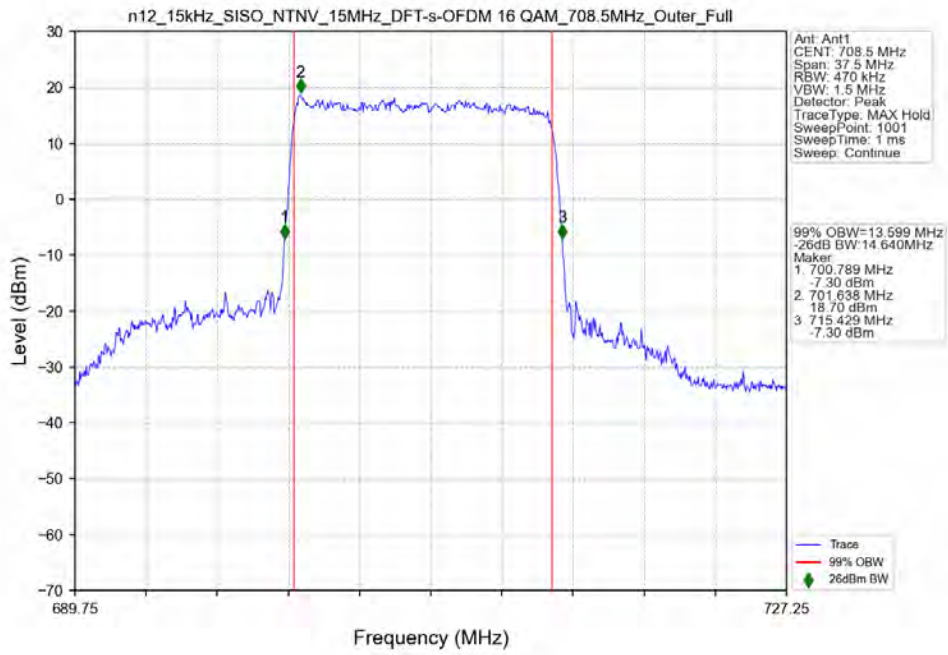
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_706.5MHz_Outer_Full



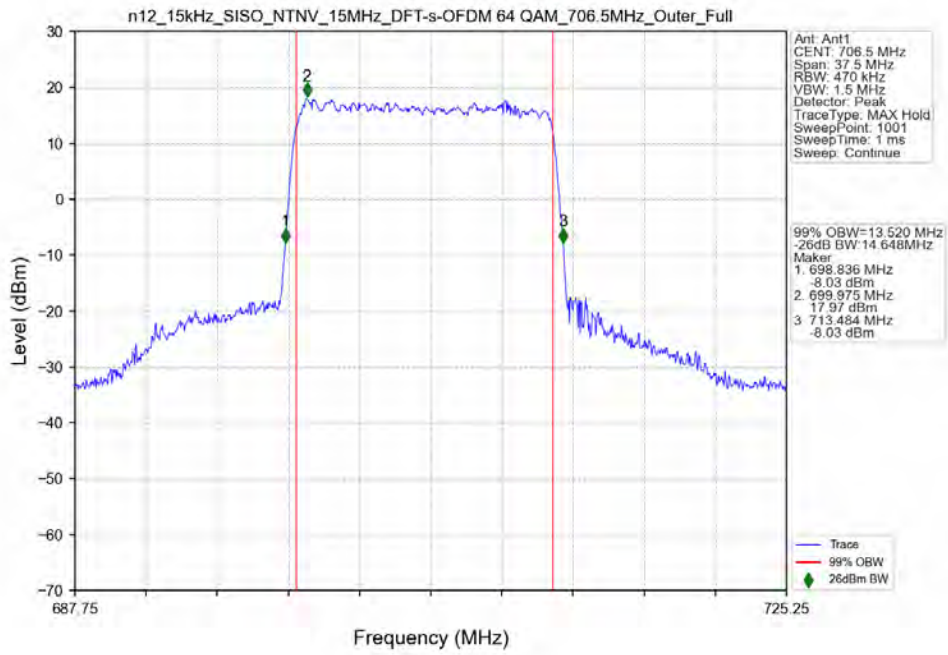
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full



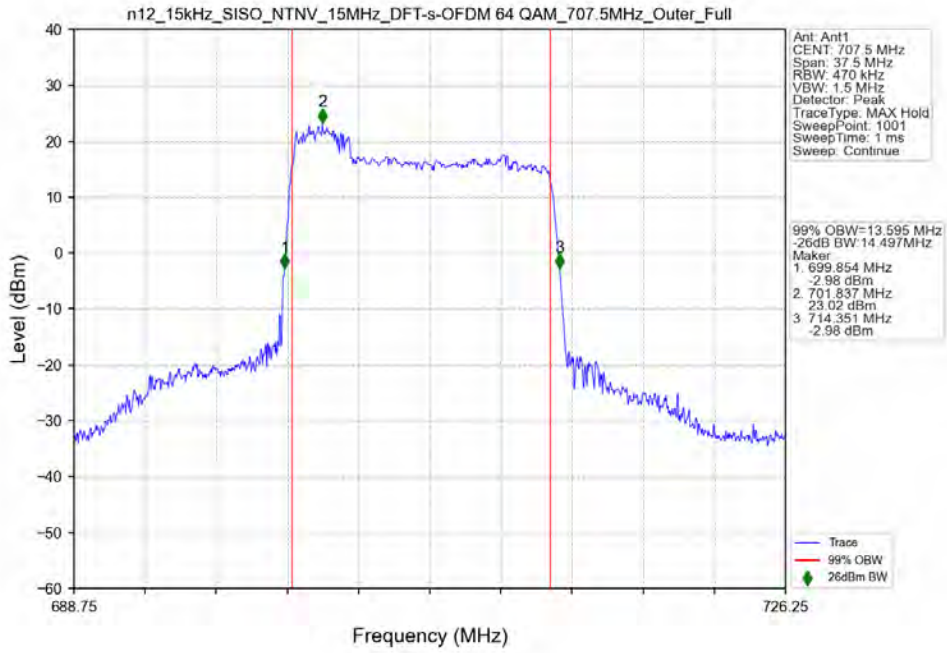
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_708.5MHz_Outer_Full



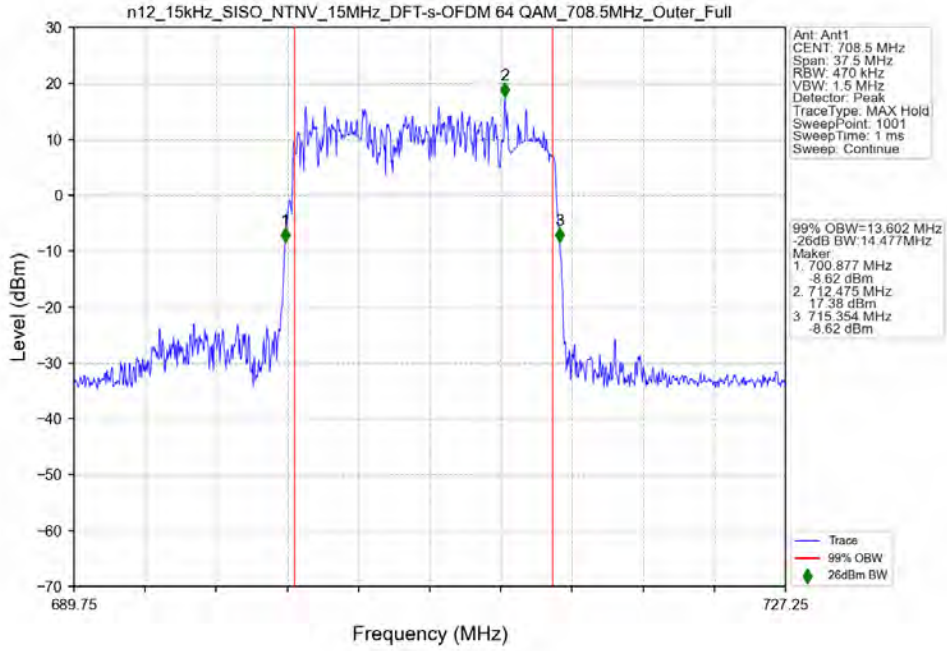
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_706.5MHz_Outer_Full



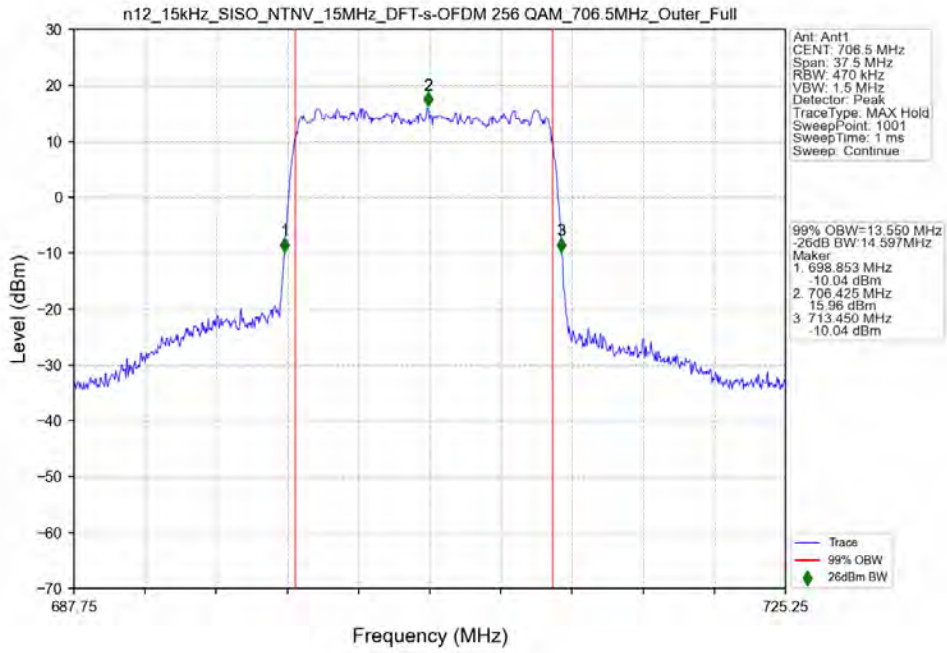
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full



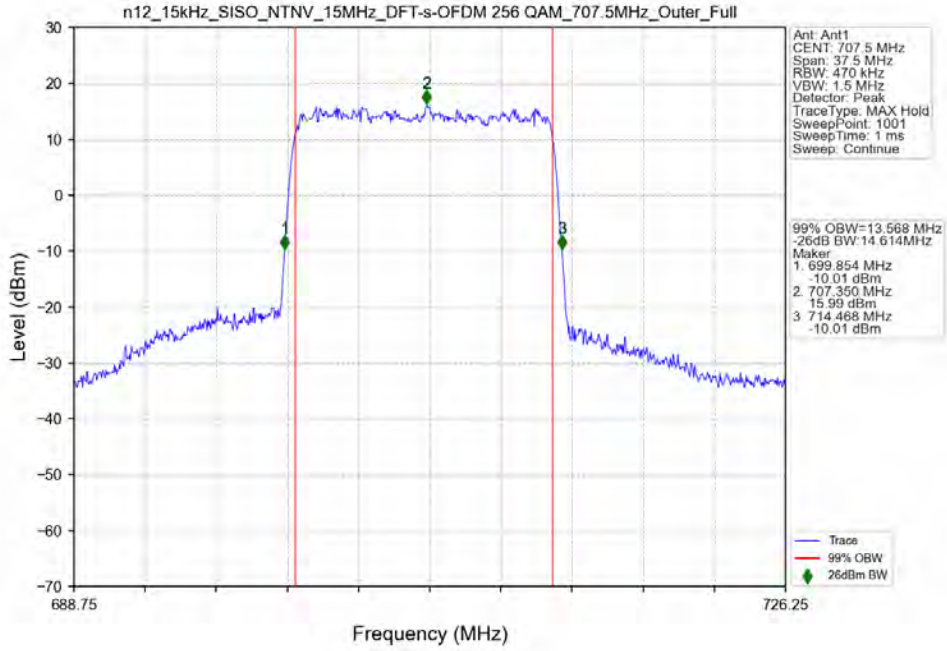
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_708.5MHz_Outer_Full



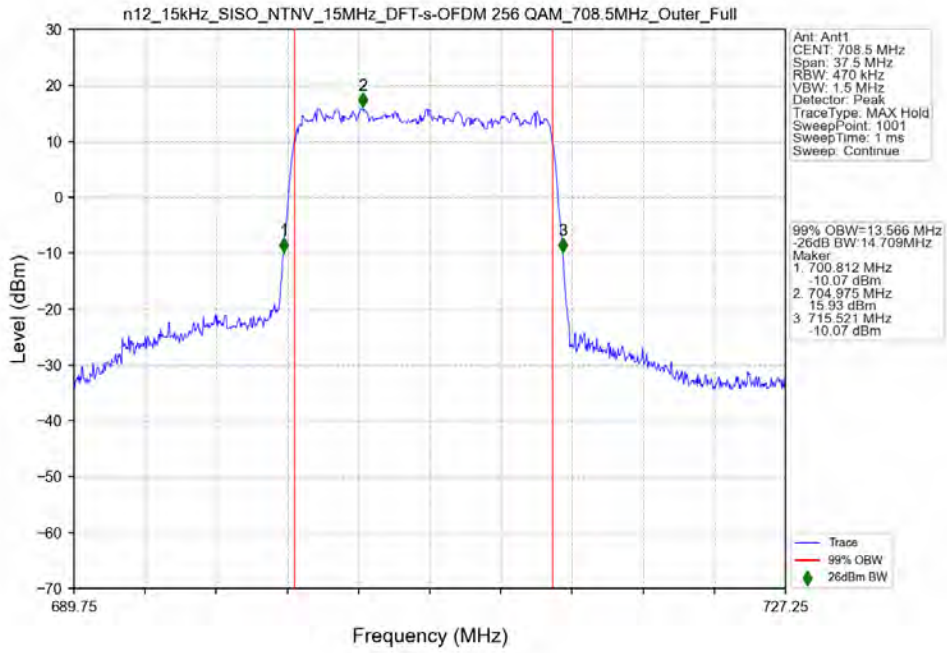
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_706.5MHz_Outer_Full



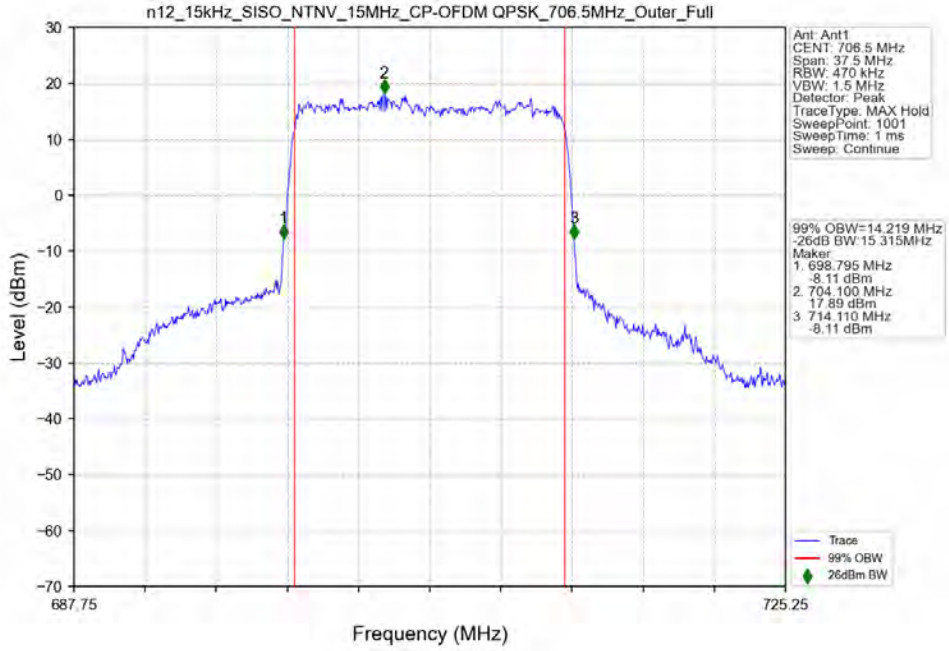
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full



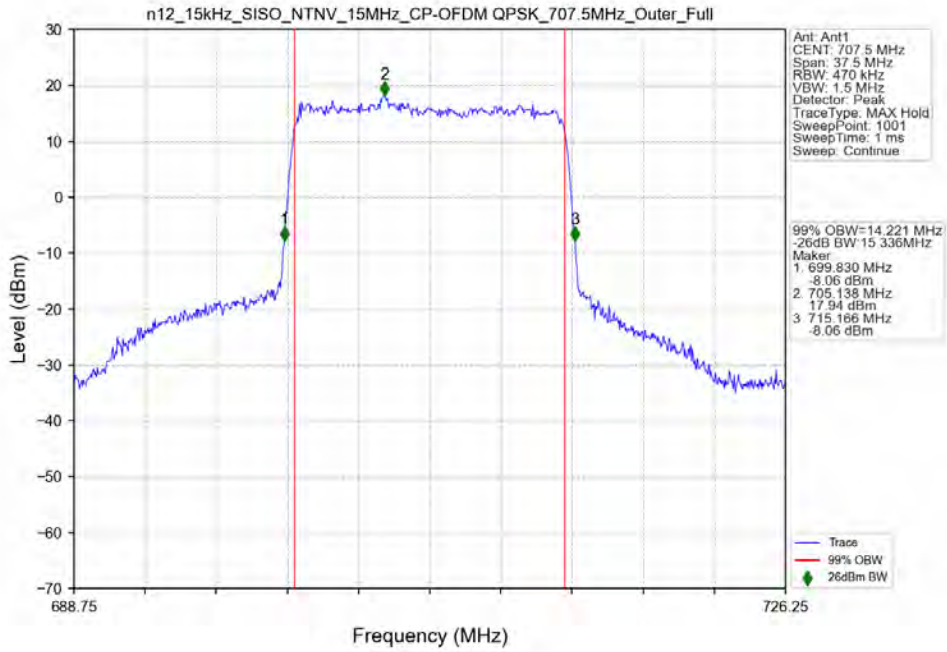
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_708.5MHz_Outer_Full



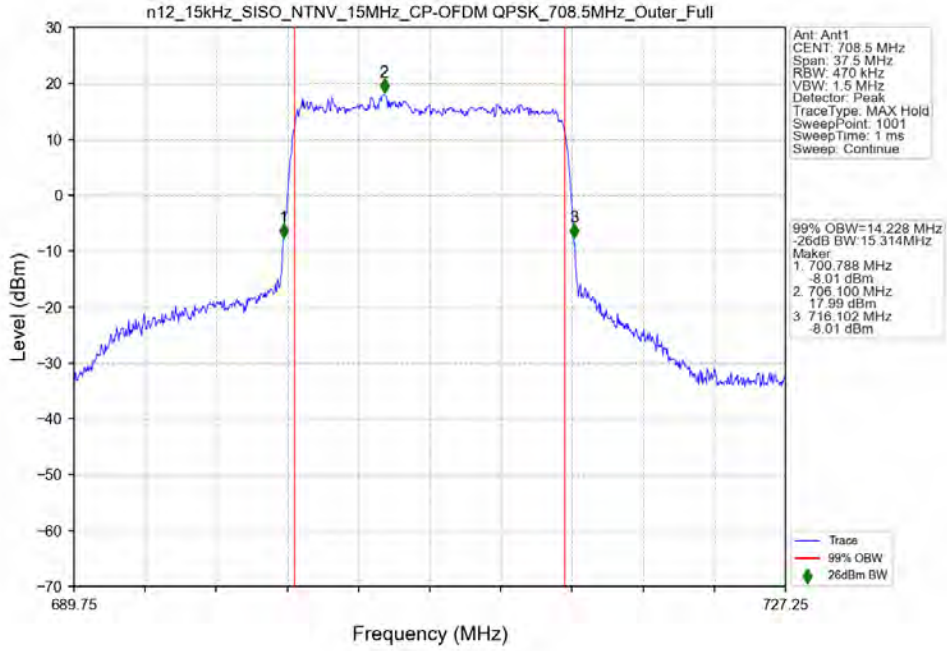
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Outer_Full



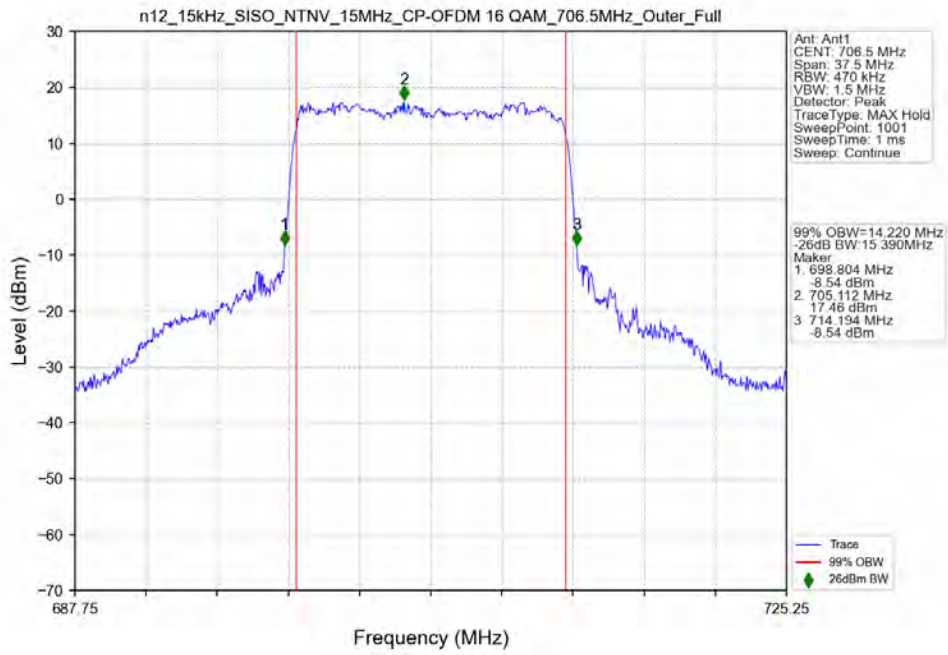
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Outer_Full



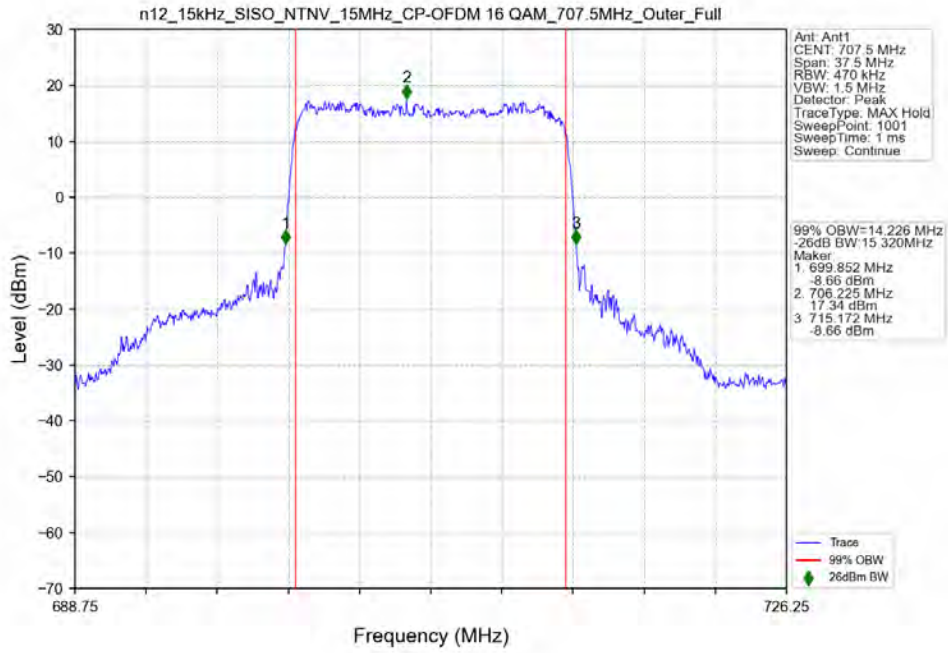
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Outer_Full



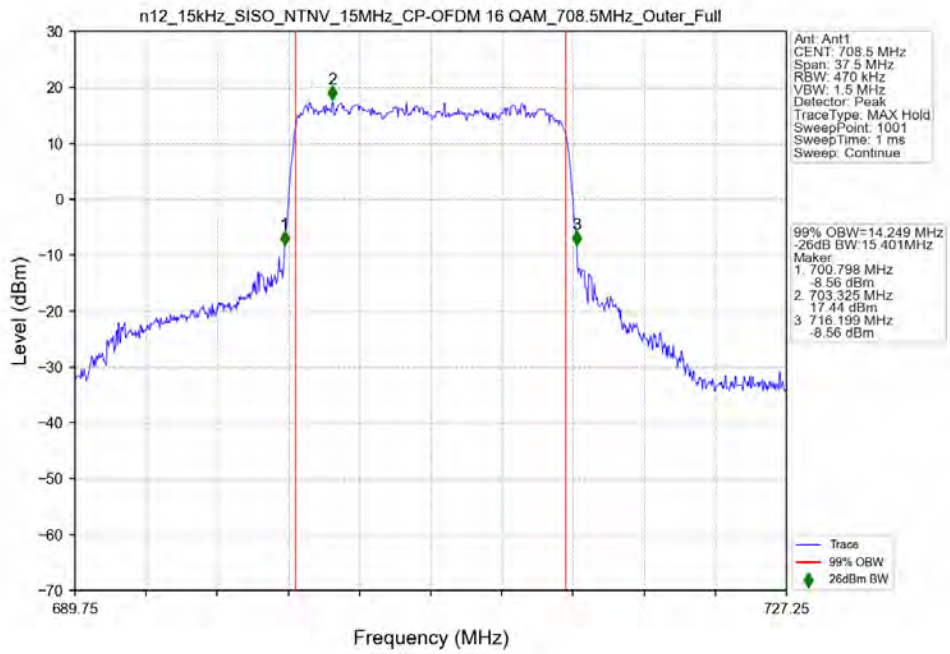
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_706.5MHz_Outer_Full



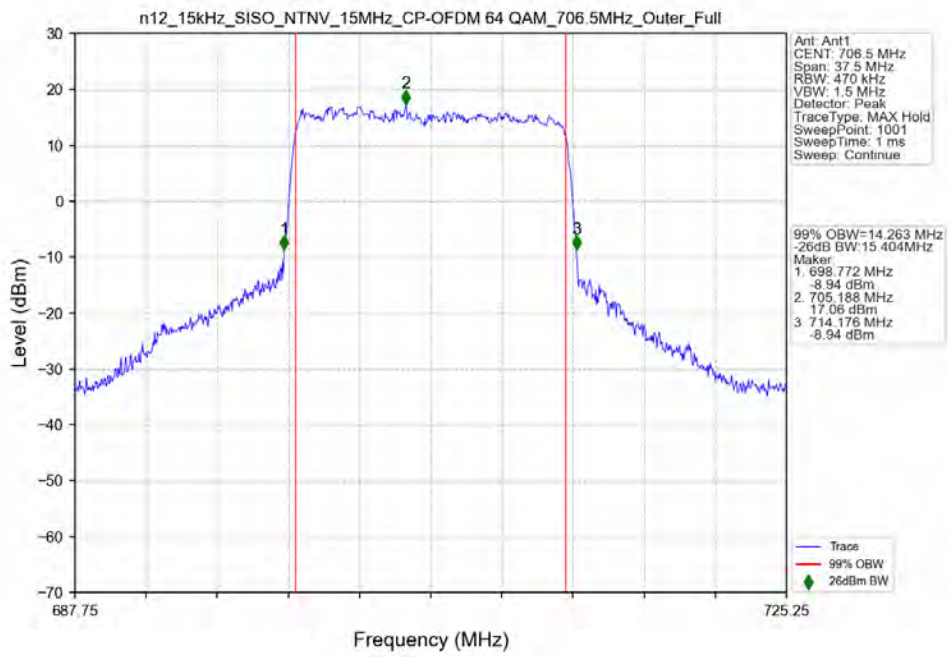
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full



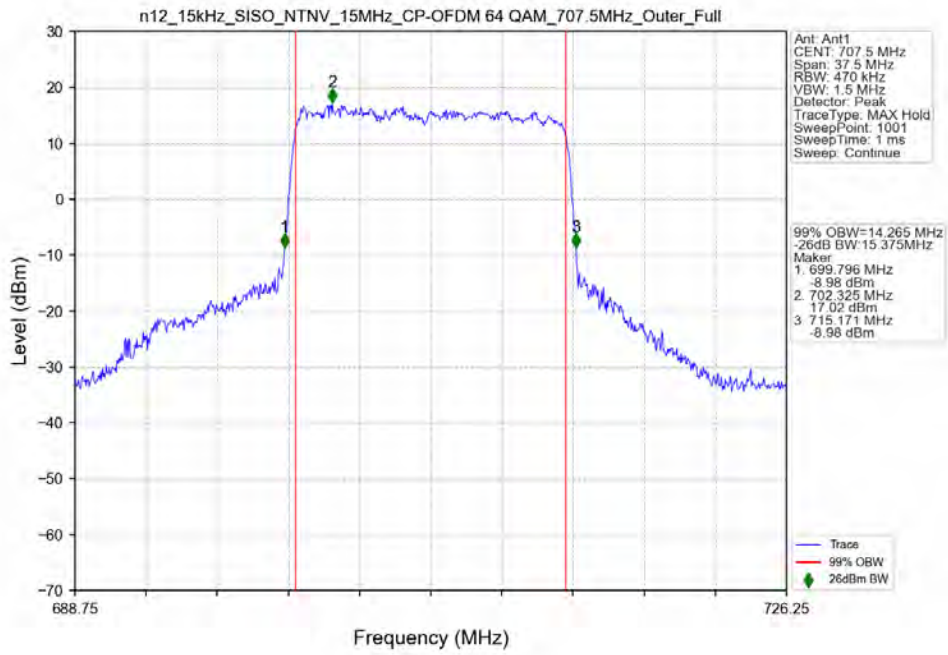
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_708.5MHz_Outer_Full



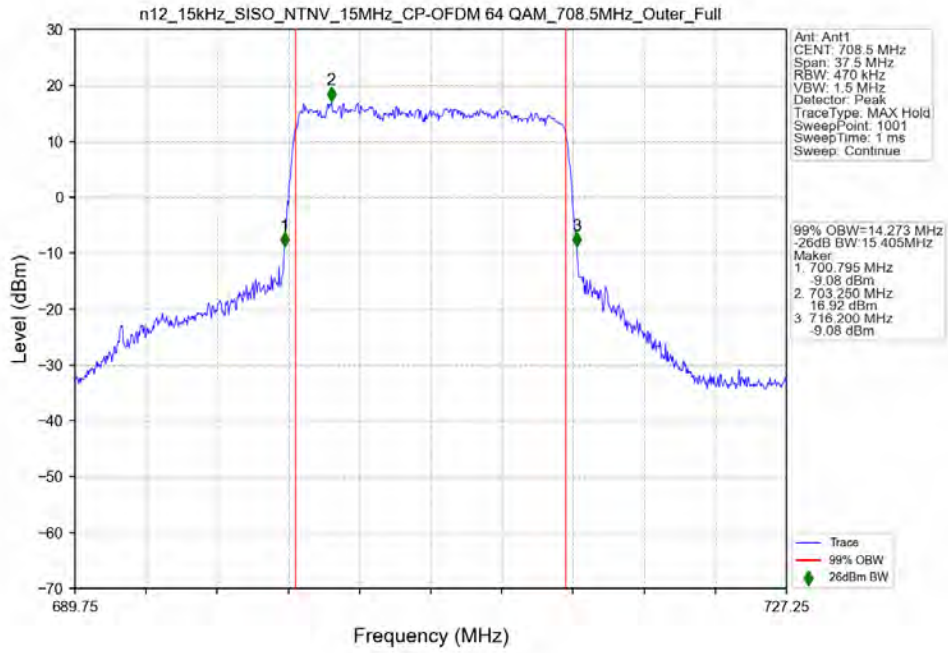
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_706.5MHz_Outer_Full



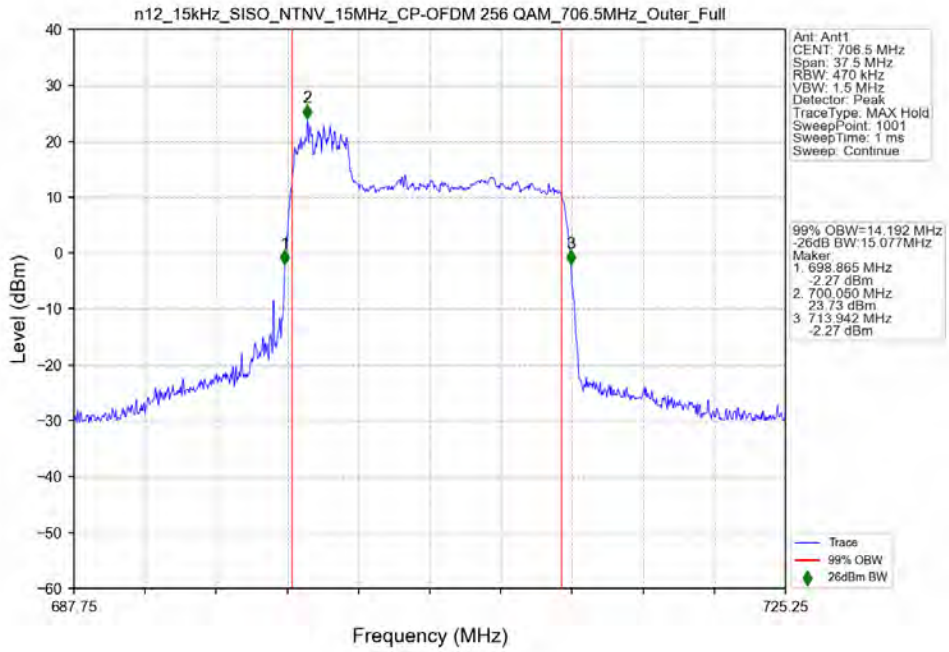
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full



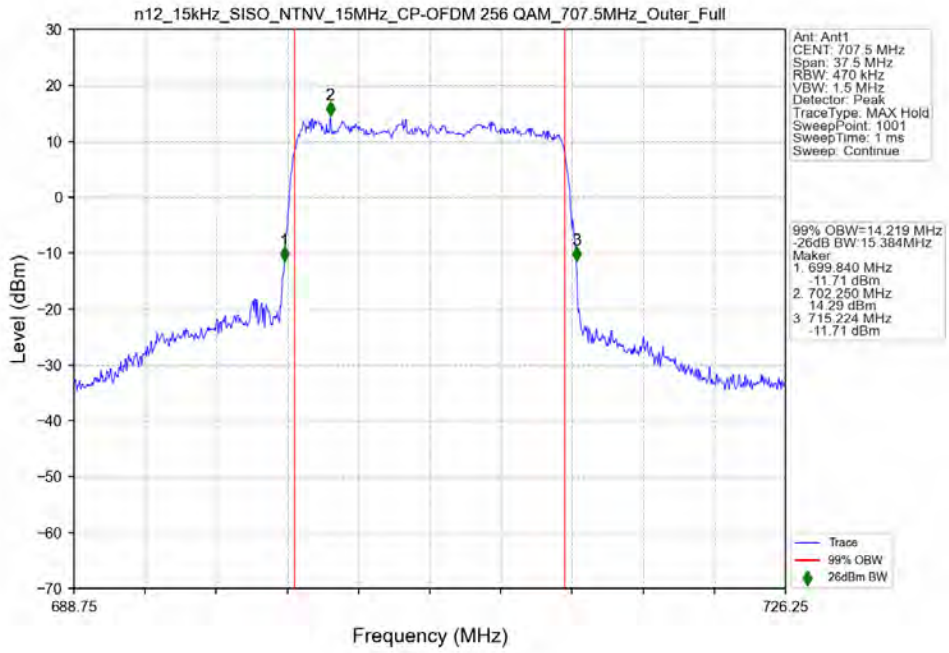
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_708.5MHz_Outer_Full



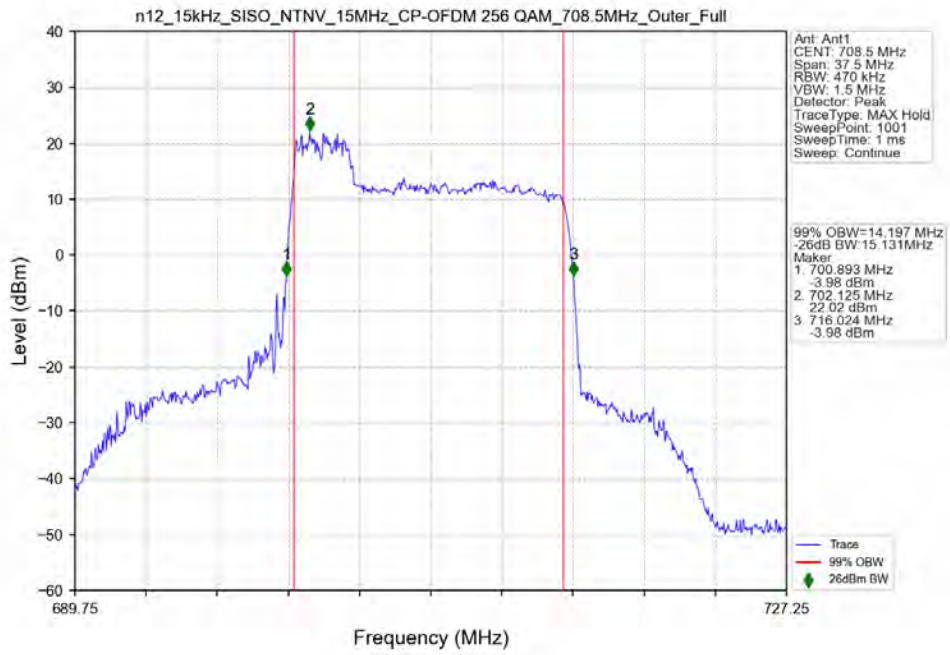
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_706.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_708.5MHz_Outer_Full



4. Peak-Average Ratio

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

5G NR n12 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	701.5	Outer_Full	4.50	/	/	<=13	Pass
	707.5	Outer_Full	4.21	/	/	<=13	Pass
	713.5	Outer_Full	6.43	/	/	<=13	Pass
DFT-s-OFDM QPSK	701.5	Outer_Full	5.70	/	/	<=13	Pass
	707.5	Outer_Full	5.56	/	/	<=13	Pass
	713.5	Outer_Full	5.52	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	701.5	Outer_Full	6.53	/	/	<=13	Pass
	707.5	Outer_Full	6.45	/	/	<=13	Pass
	713.5	Outer_Full	6.35	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	701.5	Outer_Full	6.61	/	/	<=13	Pass
	707.5	Outer_Full	6.72	/	/	<=13	Pass
	713.5	Outer_Full	6.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	701.5	Outer_Full	6.71	/	/	<=13	Pass
	707.5	Outer_Full	11.97	/	/	<=13	Pass
	713.5	Outer_Full	8.49	/	/	<=13	Pass
CP-OFDM QPSK	701.5	Outer_Full	7.53	/	/	<=13	Pass
	707.5	Outer_Full	7.78	/	/	<=13	Pass
	713.5	Outer_Full	8.52	/	/	<=13	Pass
CP-OFDM 16 QAM	701.5	Outer_Full	8.50	/	/	<=13	Pass
	707.5	Outer_Full	7.88	/	/	<=13	Pass
	713.5	Outer_Full	8.41	/	/	<=13	Pass
CP-OFDM 64 QAM	701.5	Outer_Full	8.91	/	/	<=13	Pass
	707.5	Outer_Full	7.50	/	/	<=13	Pass
	713.5	Outer_Full	7.95	/	/	<=13	Pass
CP-OFDM 256 QAM	701.5	Outer_Full	11.37	/	/	<=13	Pass
	707.5	Outer_Full	9.14	/	/	<=13	Pass
	713.5	Outer_Full	8.71	/	/	<=13	Pass

4.1.2 15k_SISO_10MHz_NTNV

5G NR n12 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	704	Outer_Full	4.08	/	/	<=13	Pass
	707.5	Outer_Full	4.21	/	/	<=13	Pass
	711	Outer_Full	4.20	/	/	<=13	Pass
DFT-s-OFDM QPSK	704	Outer_Full	5.53	/	/	<=13	Pass
	707.5	Outer_Full	5.53	/	/	<=13	Pass
	711	Outer_Full	5.51	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	704	Outer_Full	6.45	/	/	<=13	Pass
	707.5	Outer_Full	7.29	/	/	<=13	Pass
	711	Outer_Full	6.50	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	704	Outer_Full	6.62	/	/	<=13	Pass
	707.5	Outer_Full	6.64	/	/	<=13	Pass
	711	Outer_Full	6.60	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	704	Outer_Full	6.83	/	/	<=13	Pass
	707.5	Outer_Full	6.80	/	/	<=13	Pass
	711	Outer_Full	6.84	/	/	<=13	Pass
CP-OFDM QPSK	704	Outer_Full	7.73	/	/	<=13	Pass
	707.5	Outer_Full	7.88	/	/	<=13	Pass
	711	Outer_Full	7.80	/	/	<=13	Pass
CP-OFDM 16 QAM	704	Outer_Full	10.30	/	/	<=13	Pass
	707.5	Outer_Full	7.96	/	/	<=13	Pass
	711	Outer_Full	10.43	/	/	<=13	Pass
CP-OFDM 64 QAM	704	Outer_Full	8.51	/	/	<=13	Pass
	707.5	Outer_Full	9.75	/	/	<=13	Pass
	711	Outer_Full	7.66	/	/	<=13	Pass
CP-OFDM 256 QAM	704	Outer_Full	8.93	/	/	<=13	Pass
	707.5	Outer_Full	8.82	/	/	<=13	Pass
	711	Outer_Full	8.78	/	/	<=13	Pass

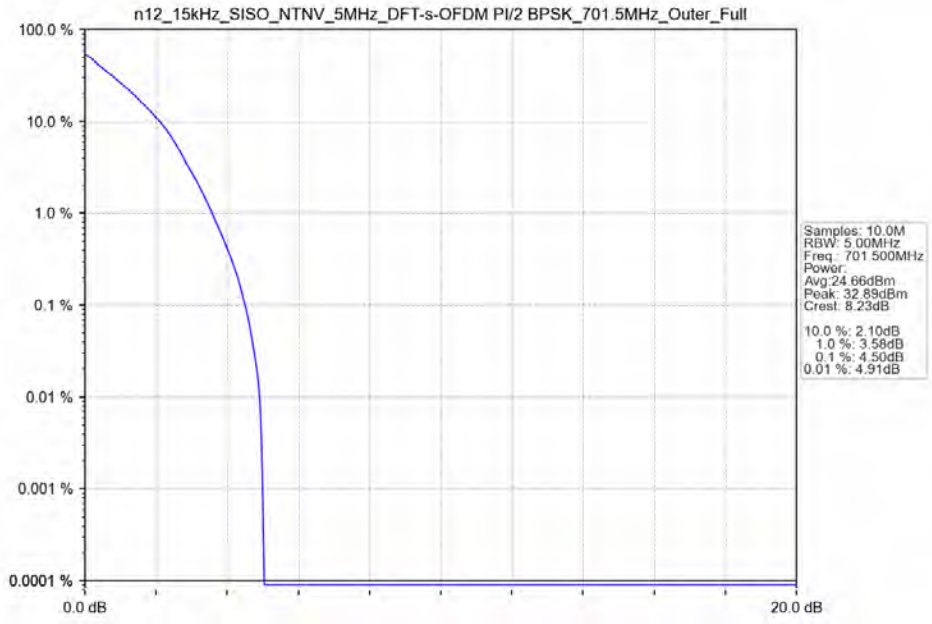
4.1.3 15k_SISO_15MHz_NTNV

5G NR n12 SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	706.5	Outer_Full	4.27	/	/	<=13	Pass
	707.5	Outer_Full	4.24	/	/	<=13	Pass
	708.5	Outer_Full	4.22	/	/	<=13	Pass
DFT-s-OFDM QPSK	706.5	Outer_Full	5.58	/	/	<=13	Pass
	707.5	Outer_Full	5.65	/	/	<=13	Pass
	708.5	Outer_Full	5.63	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	706.5	Outer_Full	6.42	/	/	<=13	Pass
	707.5	Outer_Full	6.46	/	/	<=13	Pass
	708.5	Outer_Full	8.24	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	706.5	Outer_Full	6.69	/	/	<=13	Pass
	707.5	Outer_Full	7.68	/	/	<=13	Pass
	708.5	Outer_Full	6.65	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	706.5	Outer_Full	6.96	/	/	<=13	Pass
	707.5	Outer_Full	8.43	/	/	<=13	Pass
	708.5	Outer_Full	7.52	/	/	<=13	Pass
CP-OFDM QPSK	706.5	Outer_Full	11.24	/	/	<=13	Pass
	707.5	Outer_Full	8.00	/	/	<=13	Pass
	708.5	Outer_Full	7.95	/	/	<=13	Pass
CP-OFDM 16 QAM	706.5	Outer_Full	9.12	/	/	<=13	Pass
	707.5	Outer_Full	7.96	/	/	<=13	Pass
	708.5	Outer_Full	7.99	/	/	<=13	Pass
CP-OFDM 64 QAM	706.5	Outer_Full	7.72	/	/	<=13	Pass
	707.5	Outer_Full	8.40	/	/	<=13	Pass
	708.5	Outer_Full	7.96	/	/	<=13	Pass
CP-OFDM 256 QAM	706.5	Outer_Full	8.68	/	/	<=13	Pass
	707.5	Outer_Full	8.37	/	/	<=13	Pass
	708.5	Outer_Full	8.74	/	/	<=13	Pass

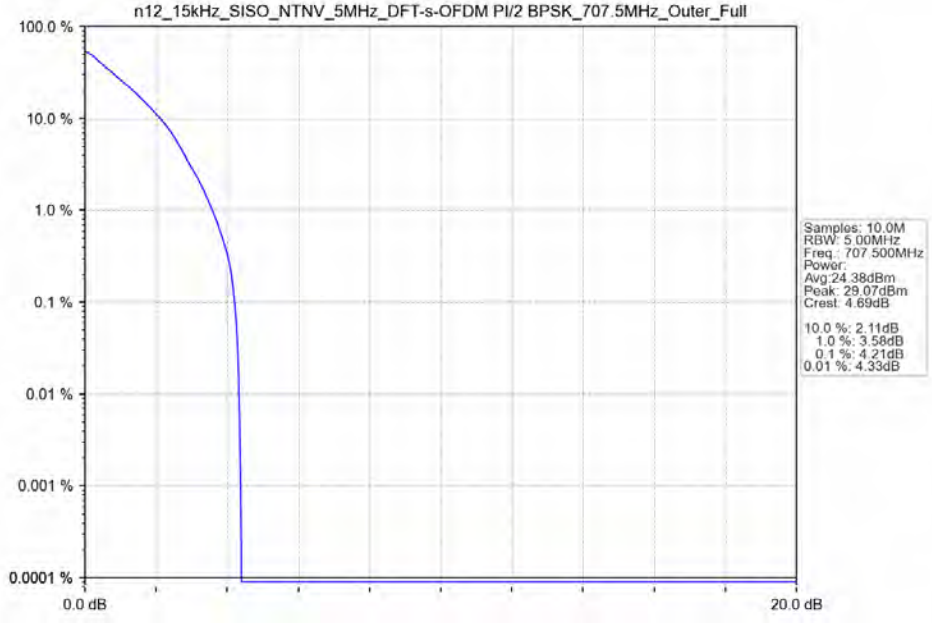
4.2 Test Graph

4.2.1 15k_SISO_5MHz_NTNV

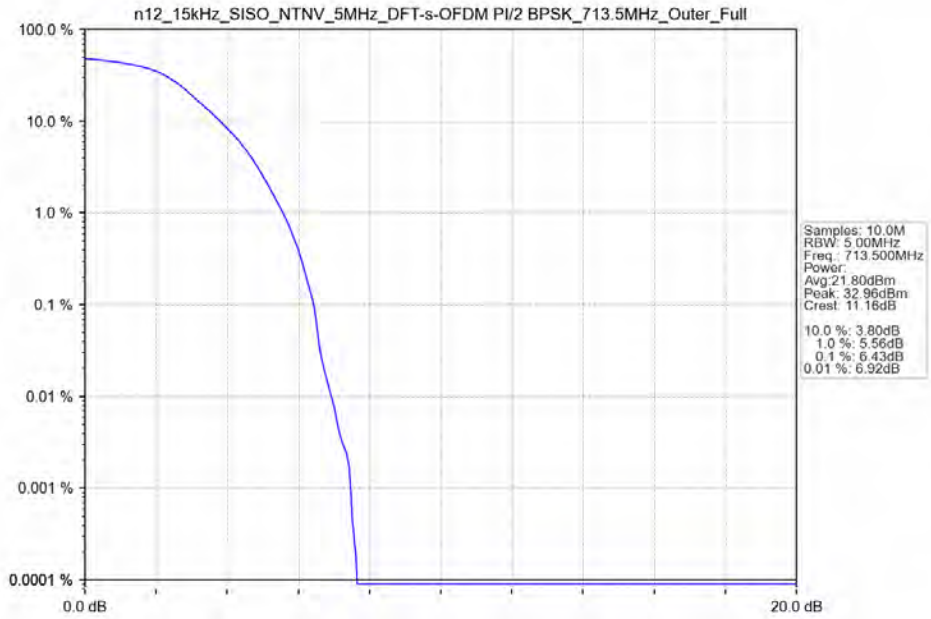
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_701.5MHz_Outer_Full



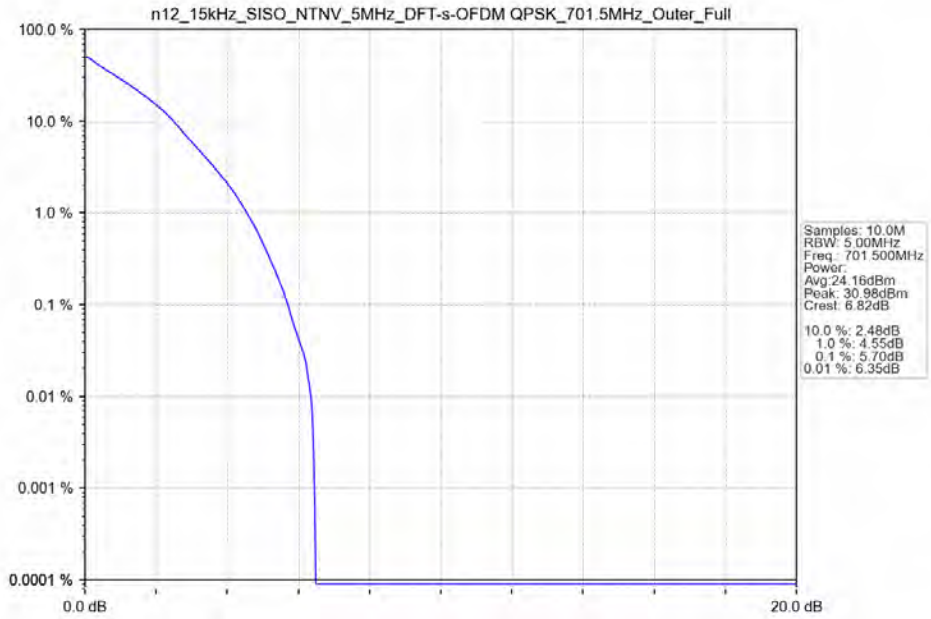
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Outer_Full



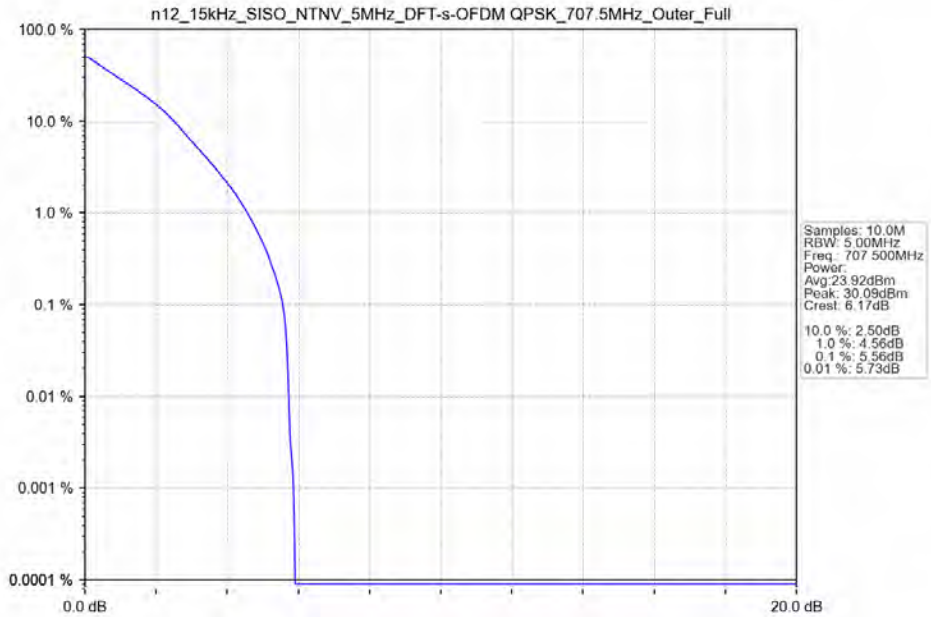
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Outer_Full



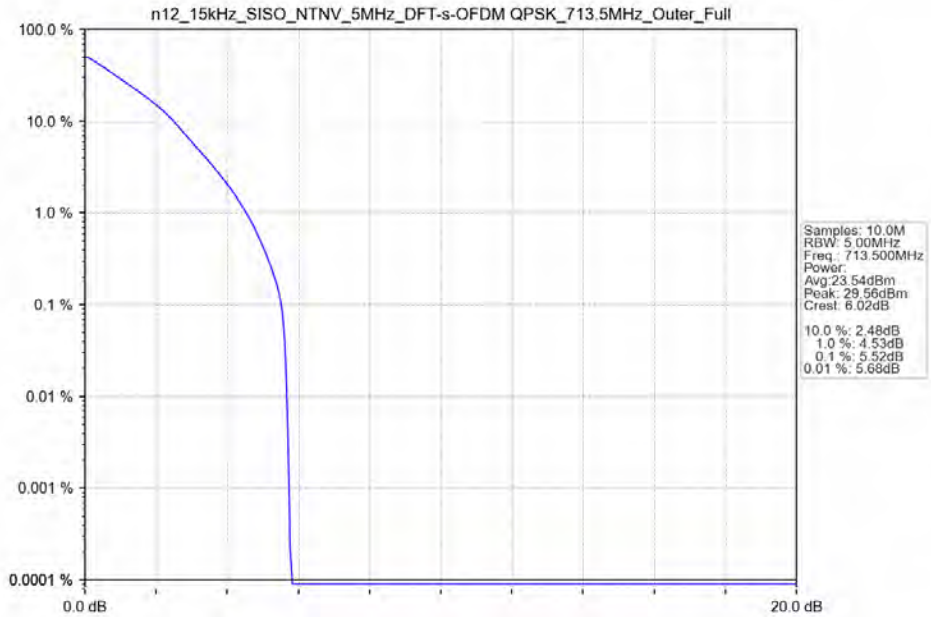
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Outer_Full



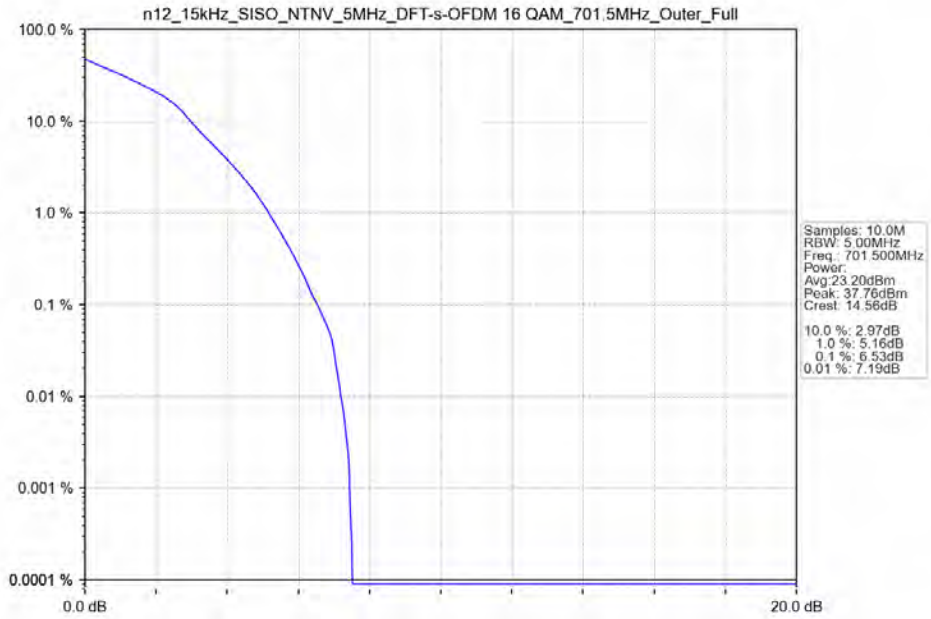
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_707.5MHz_Outer_Full



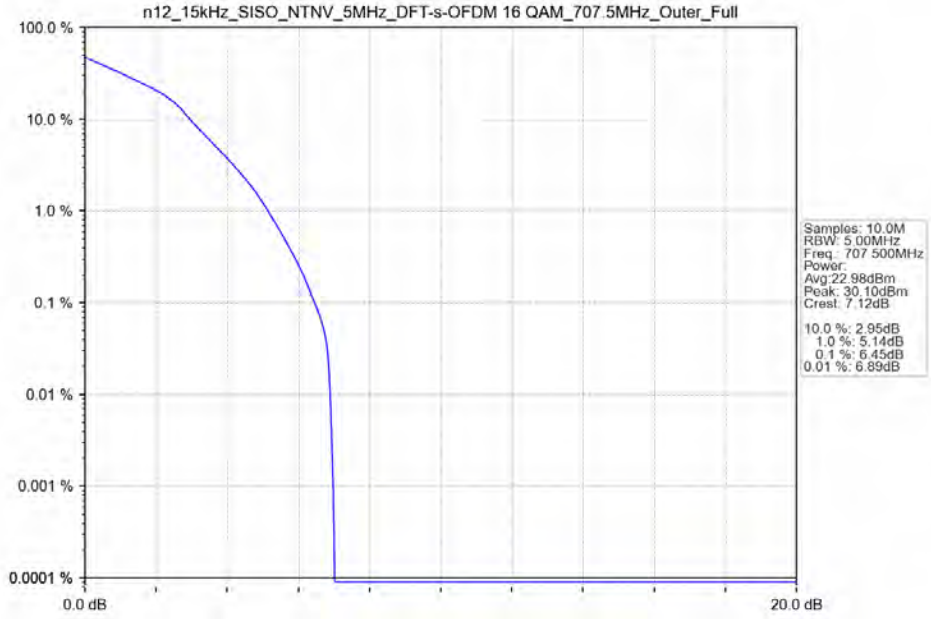
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Outer_Full



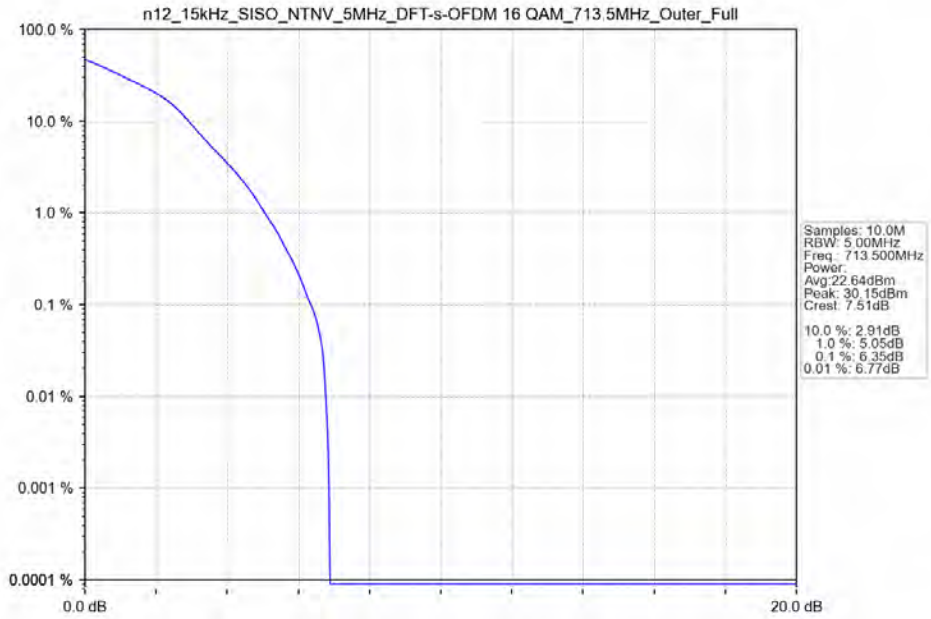
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_701.5MHz_Outer_Full



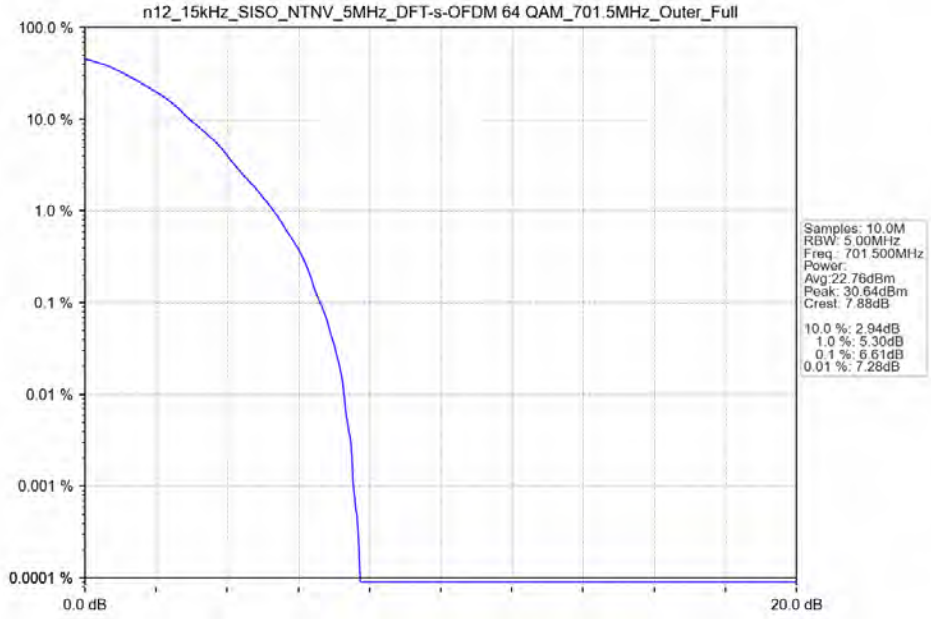
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full



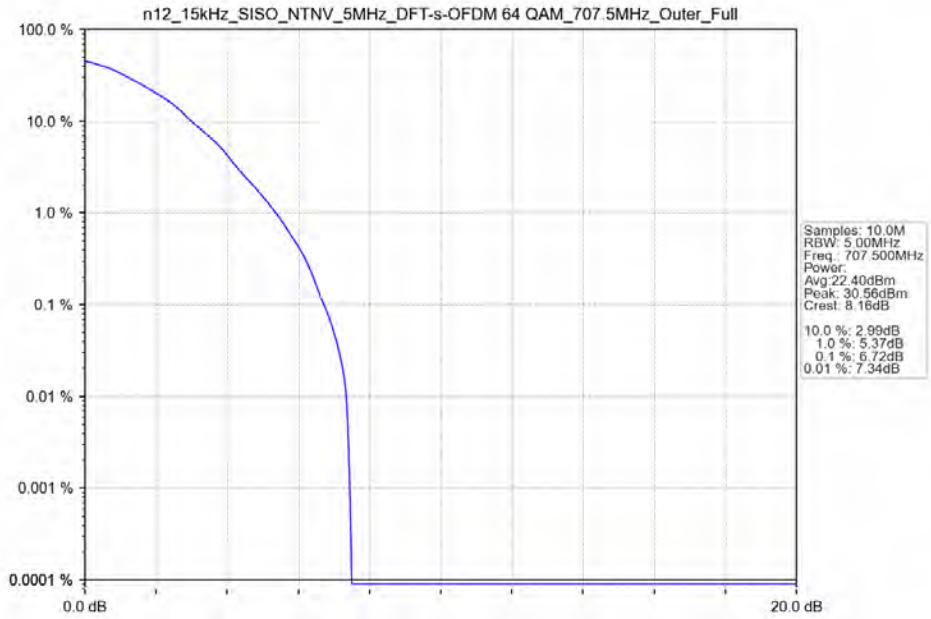
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_713.5MHz_Outer_Full



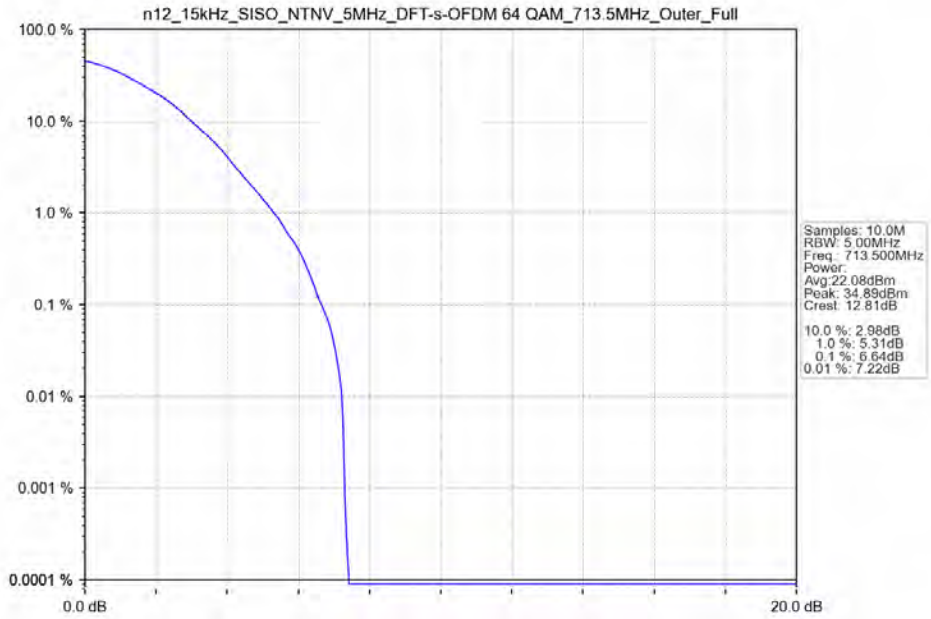
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_701.5MHz_Outer_Full



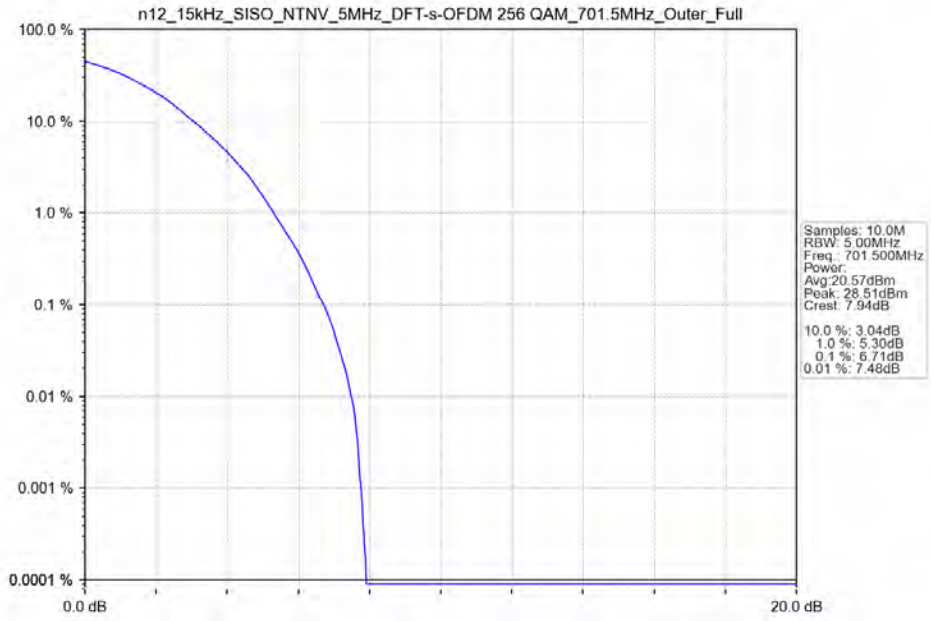
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full



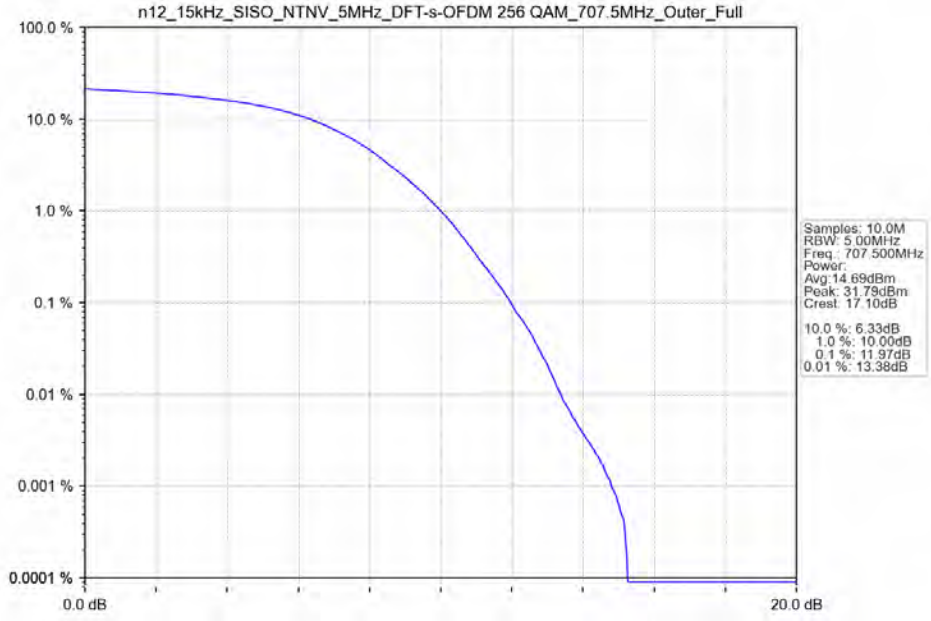
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_713.5MHz_Outer_Full



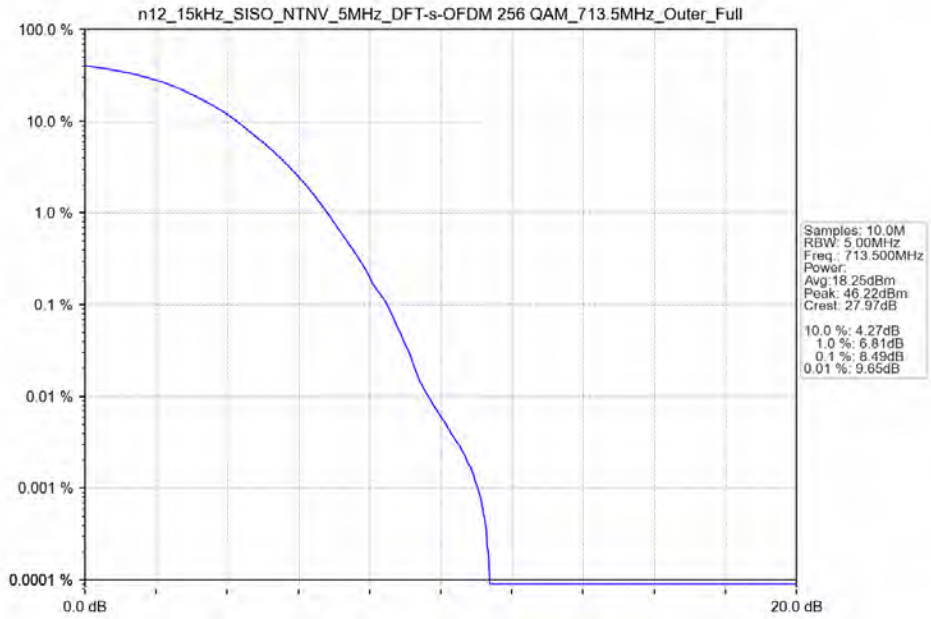
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_701.5MHz_Outer_Full



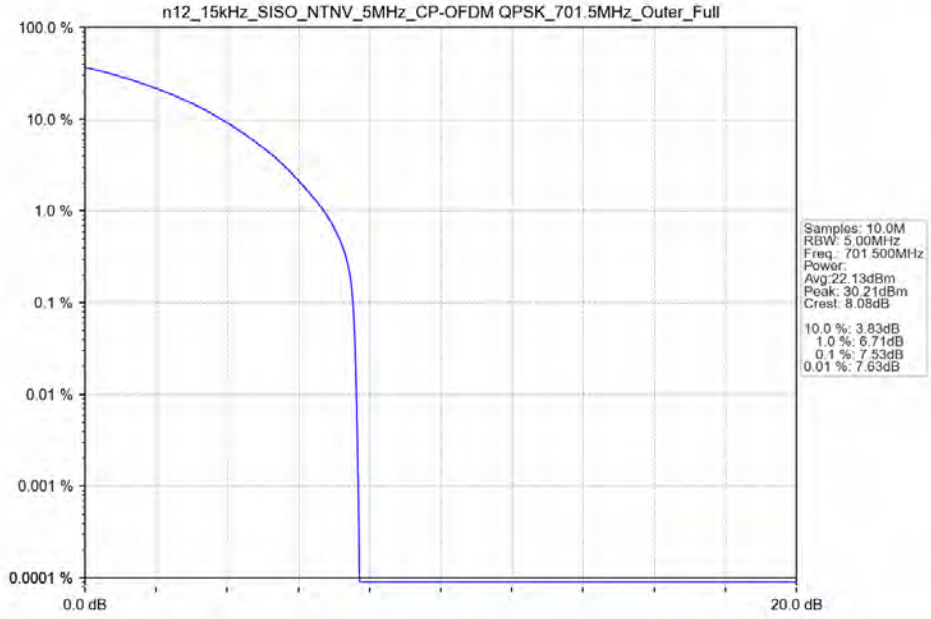
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full



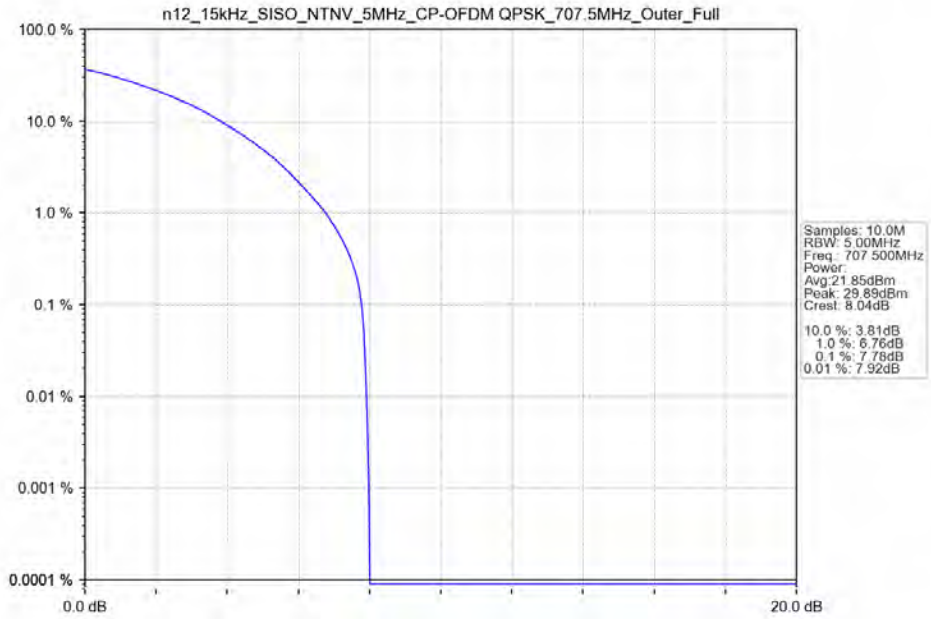
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_713.5MHz_Outer_Full



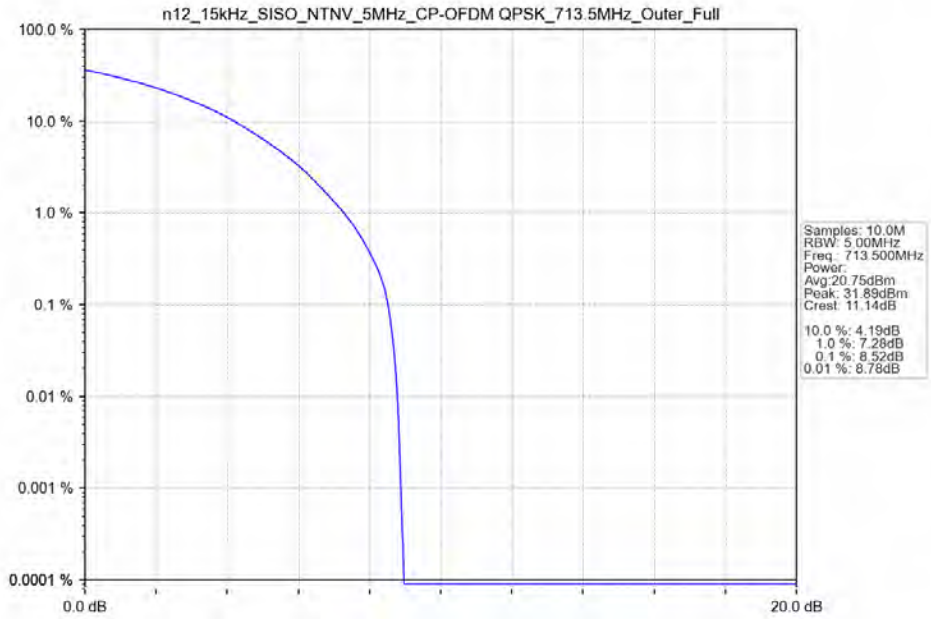
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_701.5MHz_Outer_Full



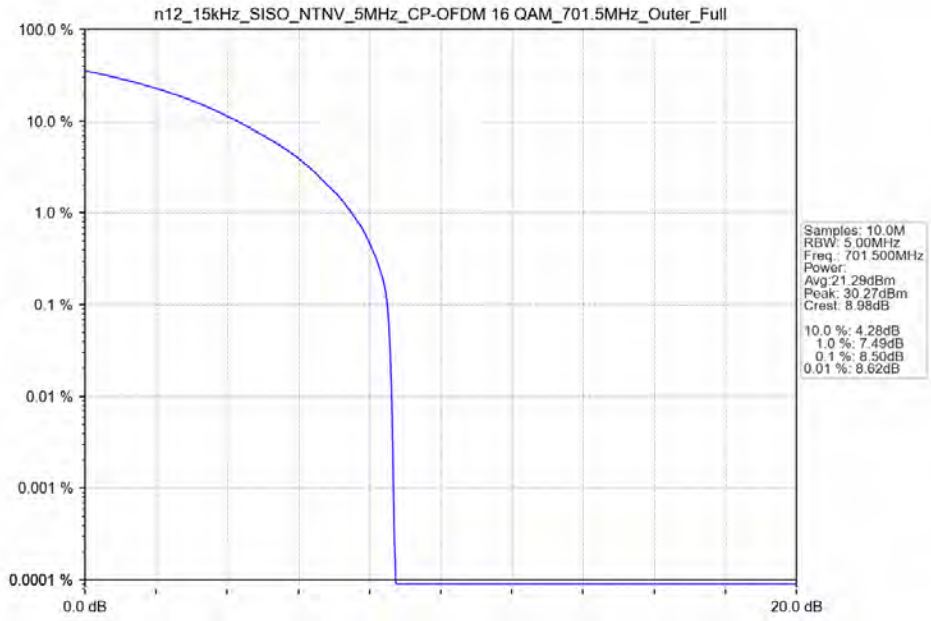
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_707.5MHz_Outer_Full



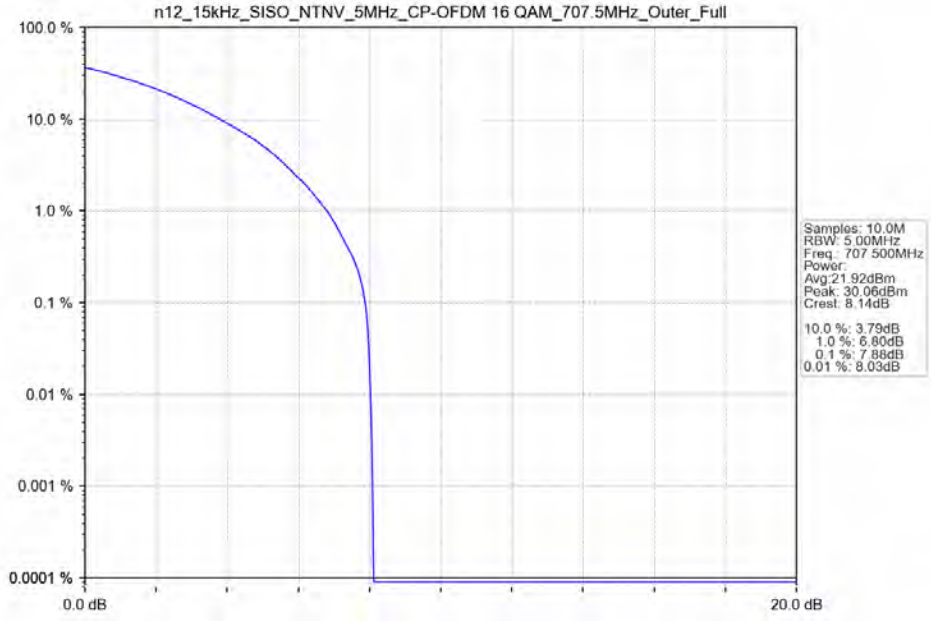
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Outer_Full



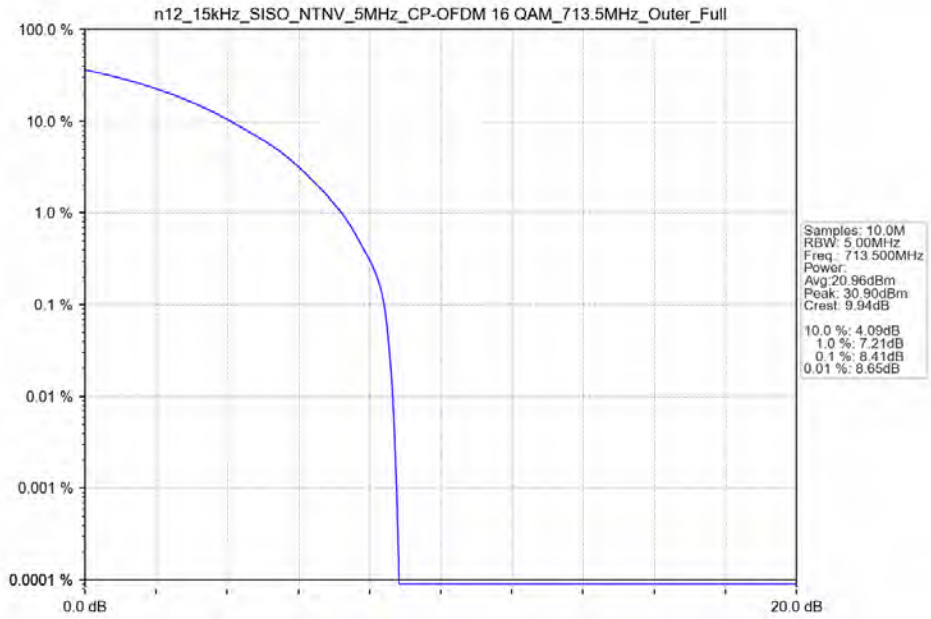
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_701.5MHz_Outer_Full



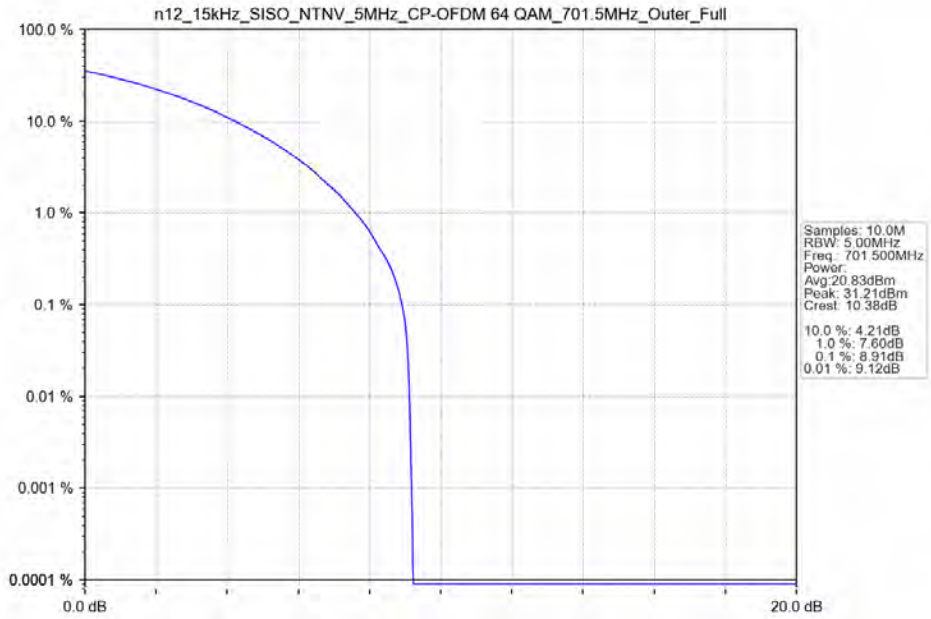
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full



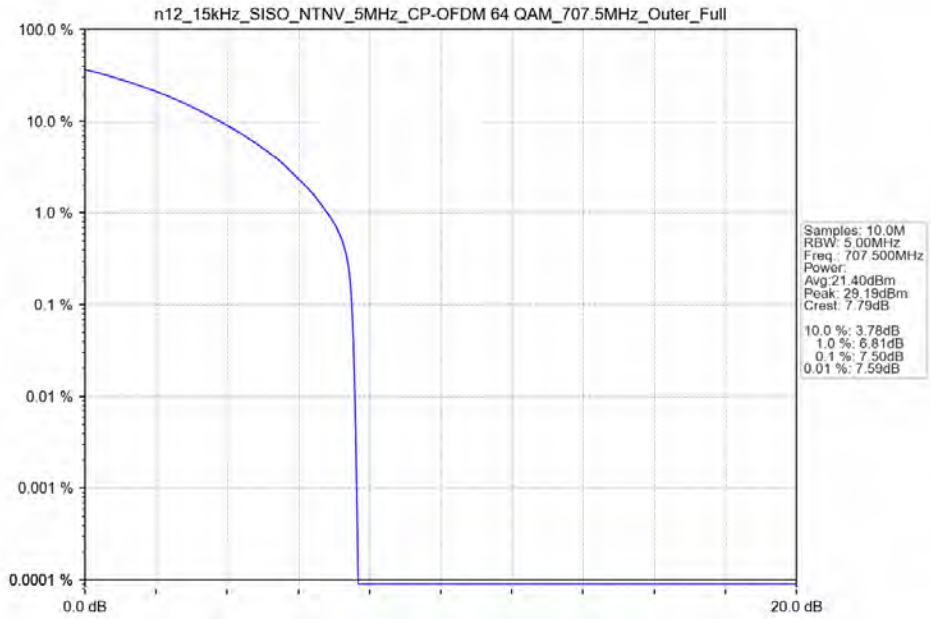
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_713.5MHz_Outer_Full



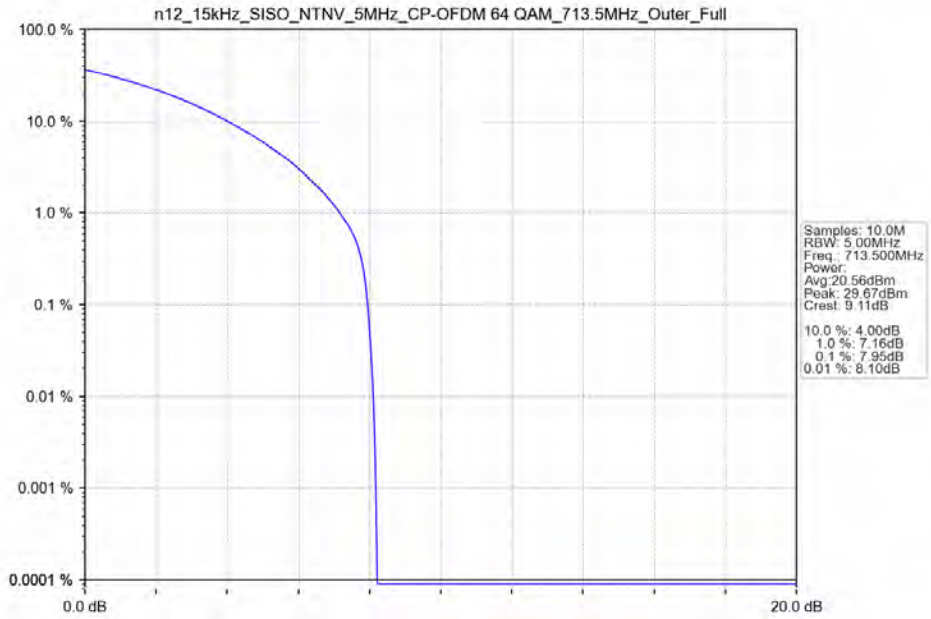
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_701.5MHz_Outer_Full



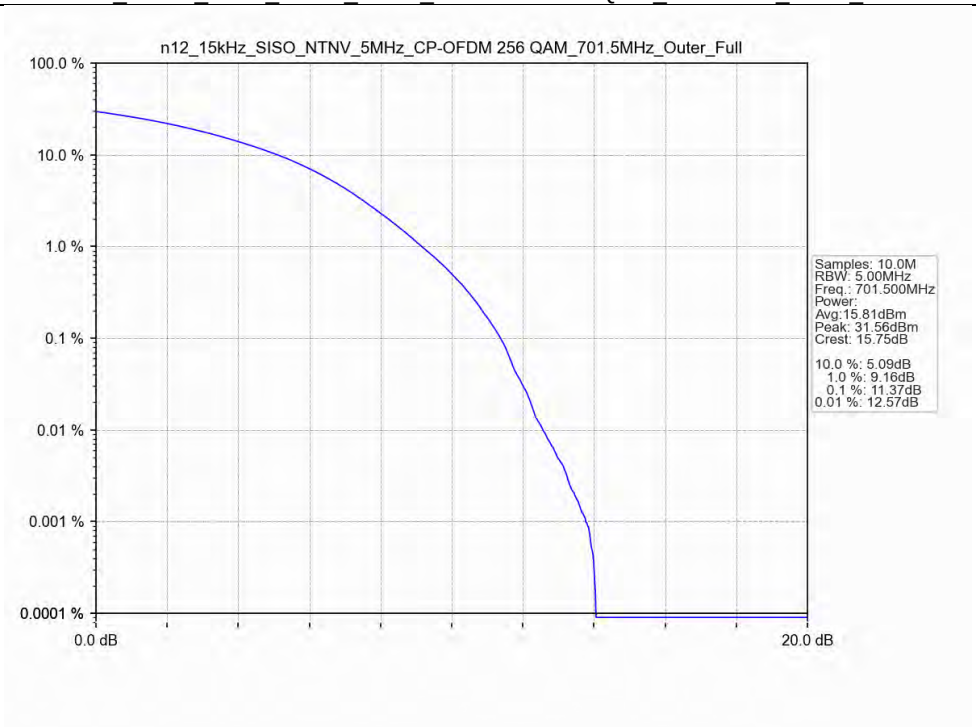
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full



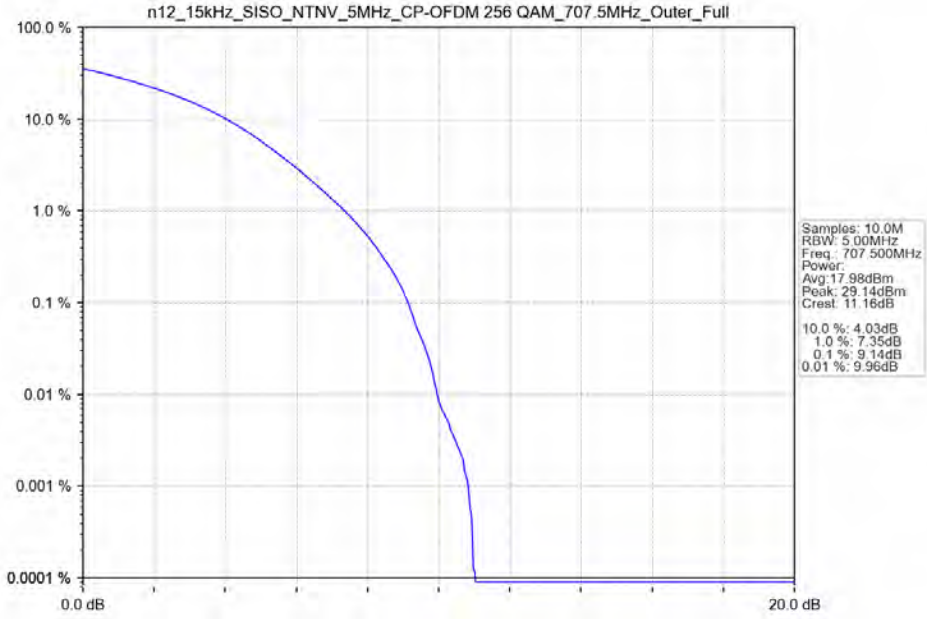
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_713.5MHz_Outer_Full



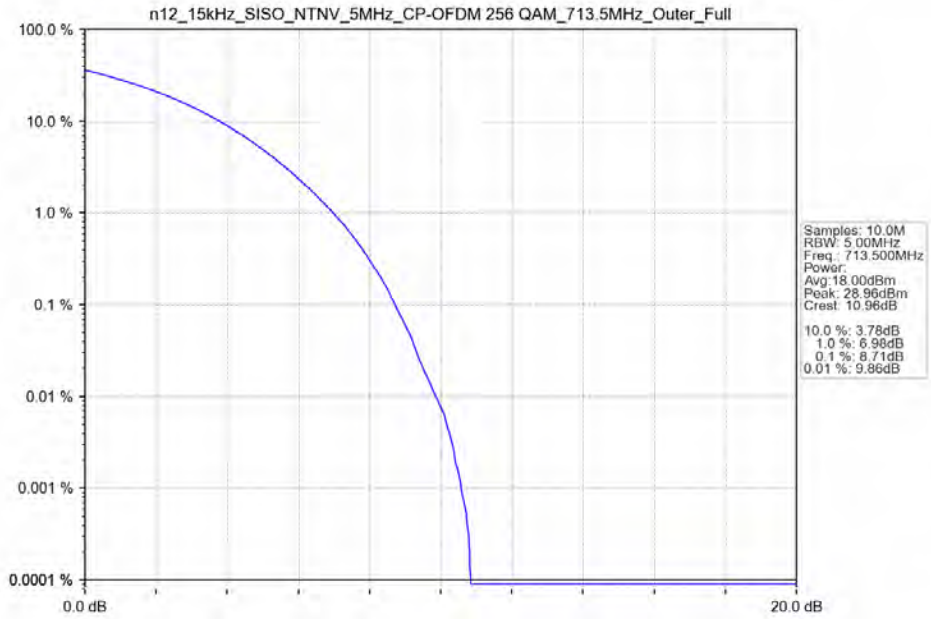
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_701.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_713.5MHz_Outer_Full



4.2.2 15k_SISO_10MHz_NTNV

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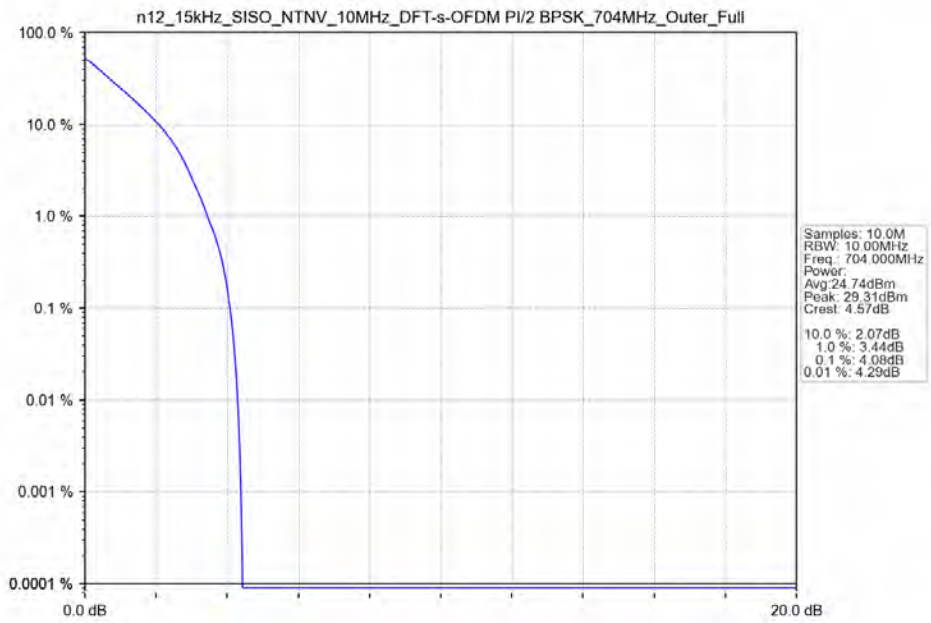

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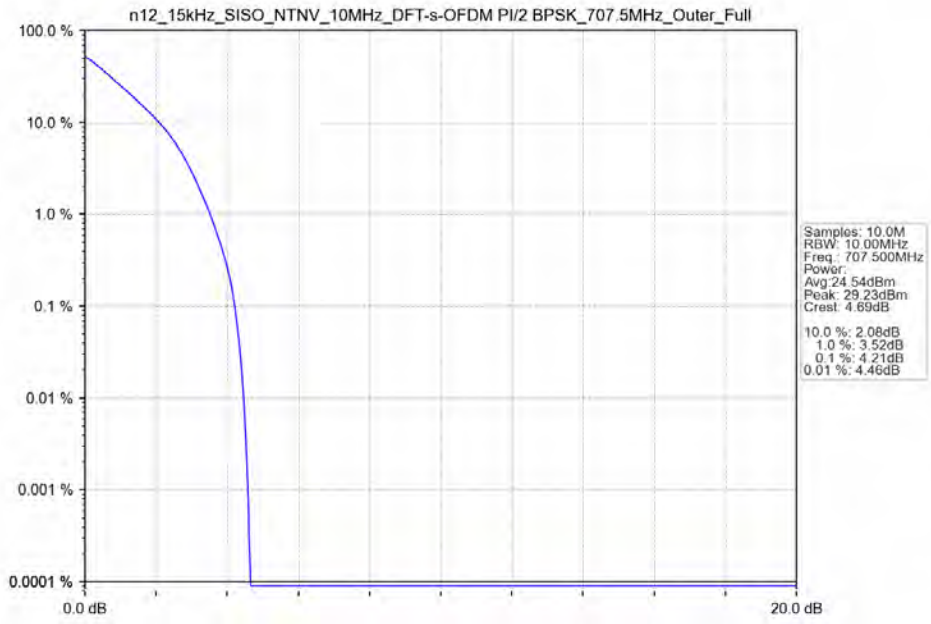
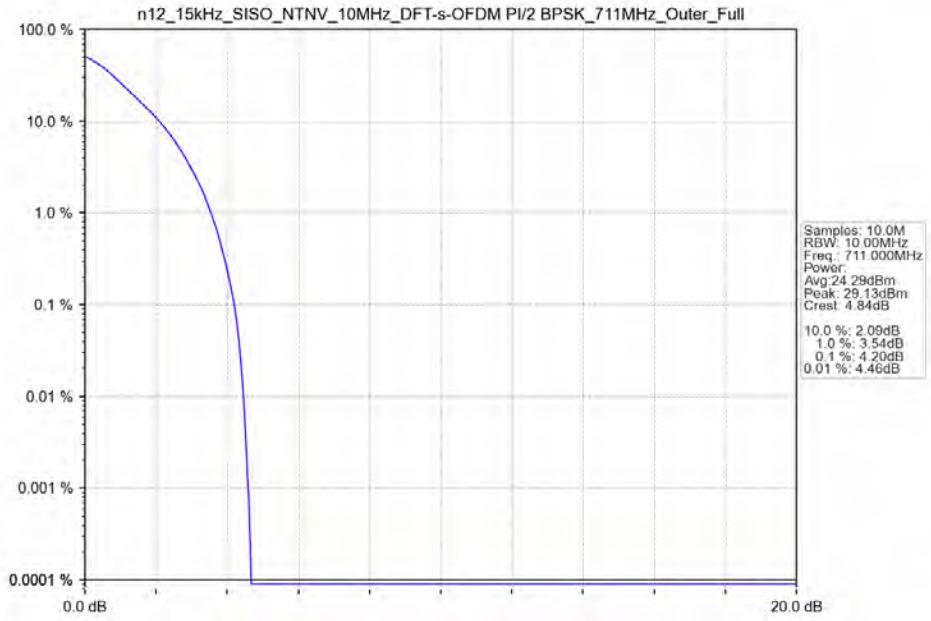
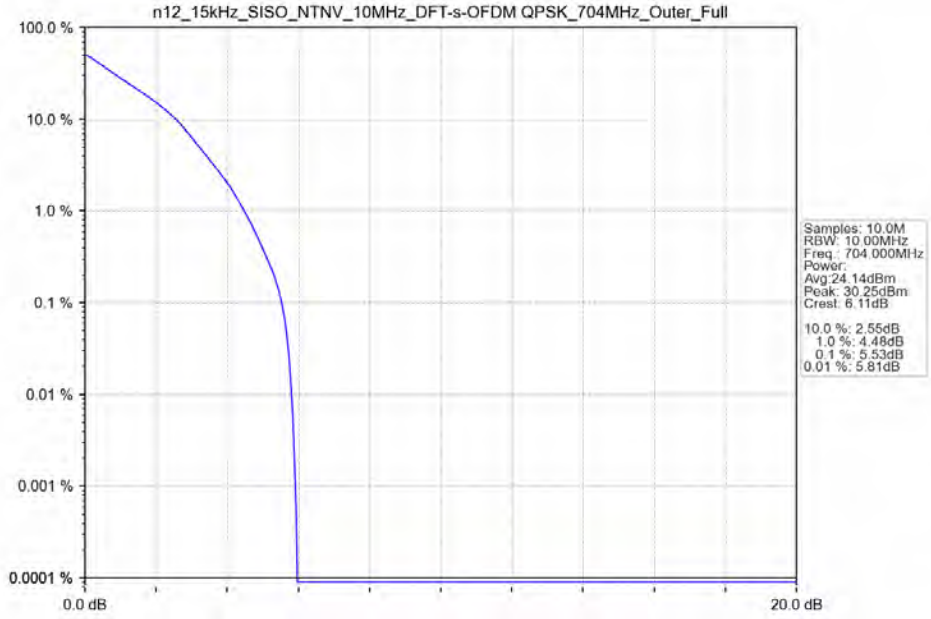


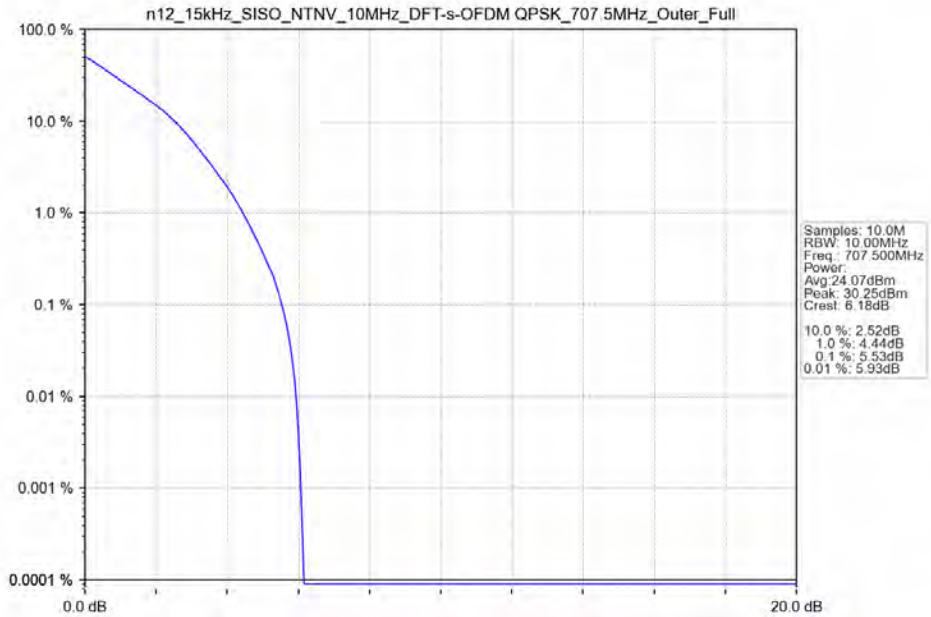
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Outer_Full



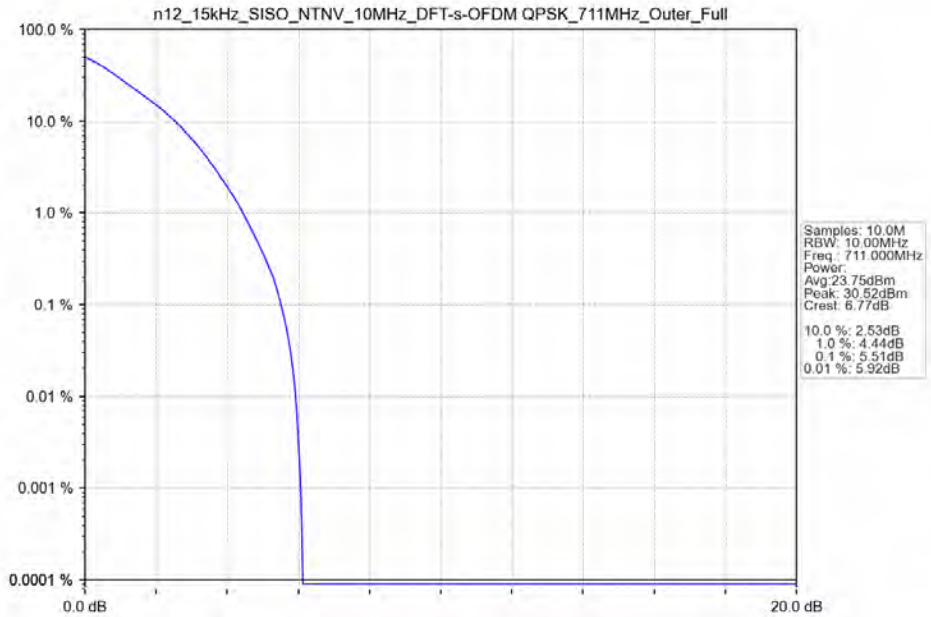
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Outer_Full



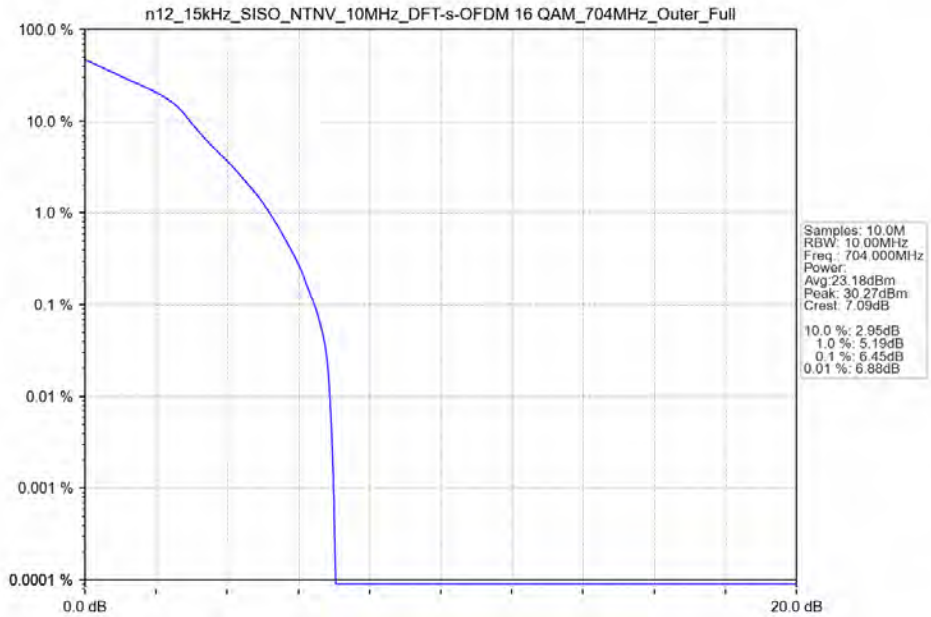
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_707.5MHz_Outer_Full



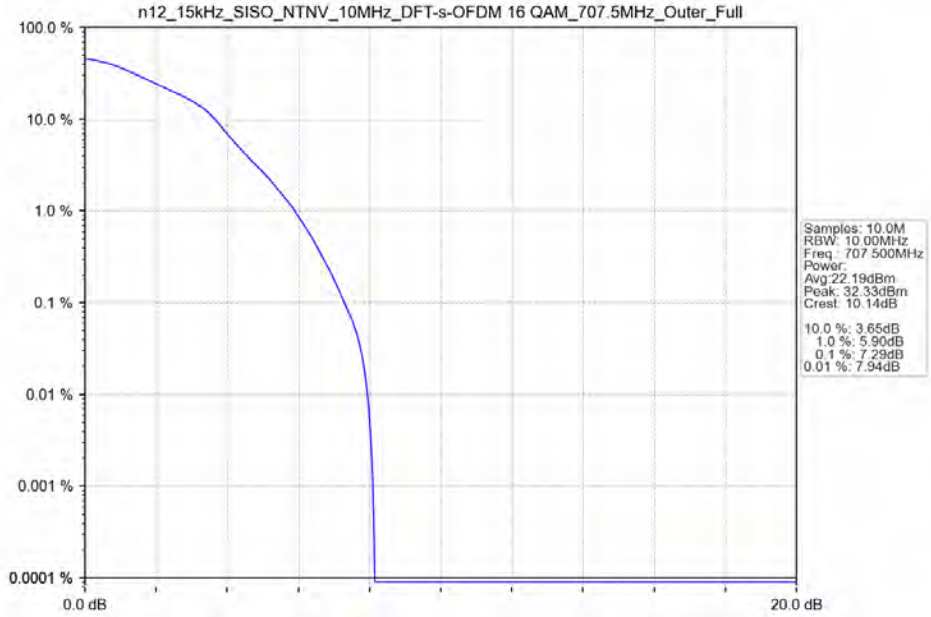
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Outer_Full



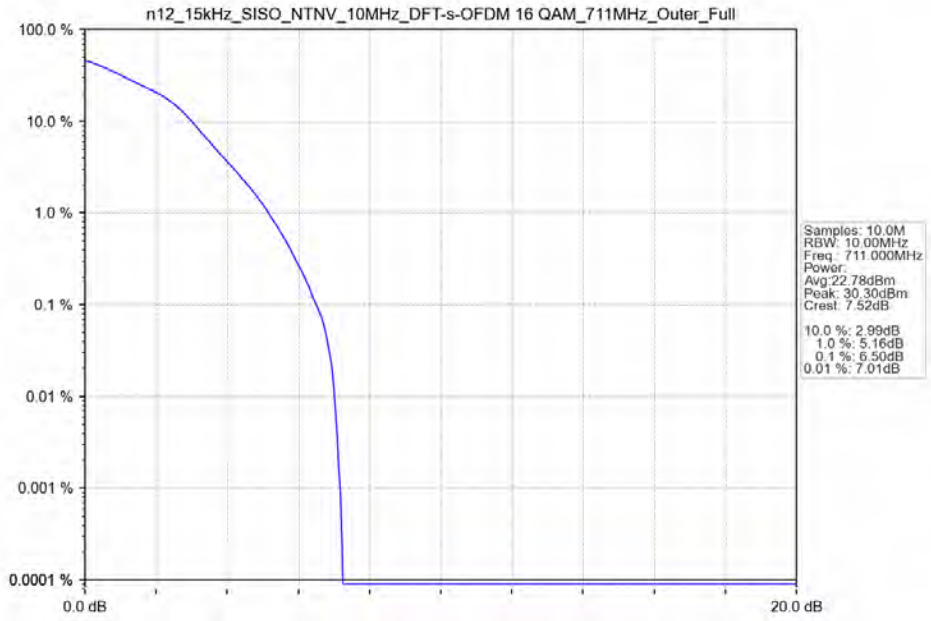
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_704MHz_Outer_Full



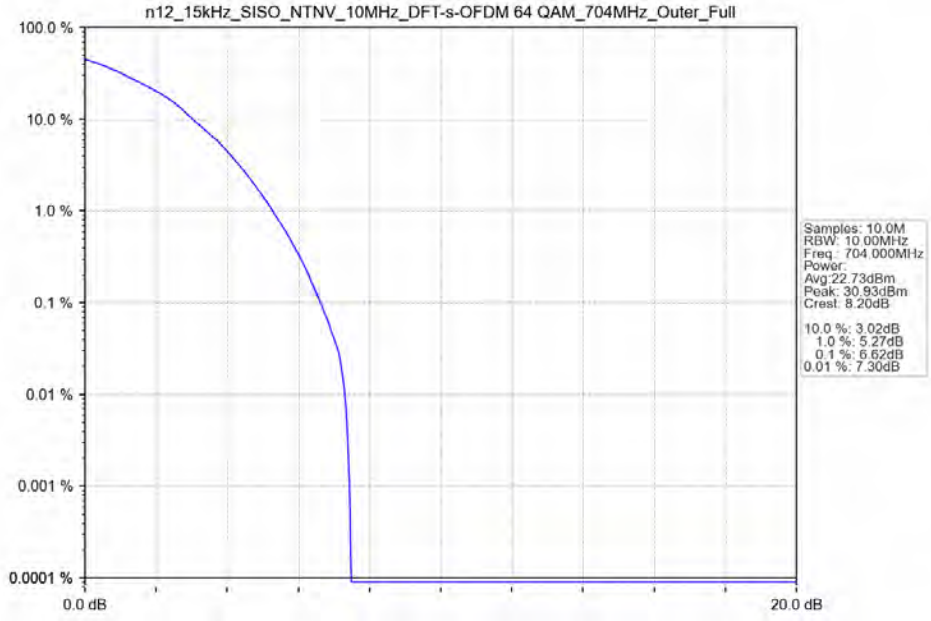
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full



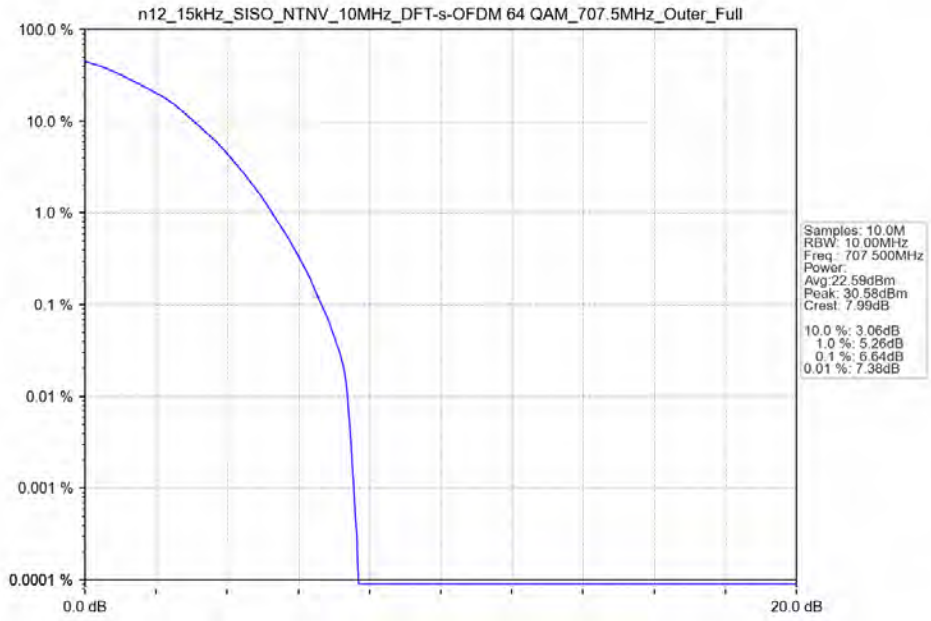
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_711MHz_Outer_Full



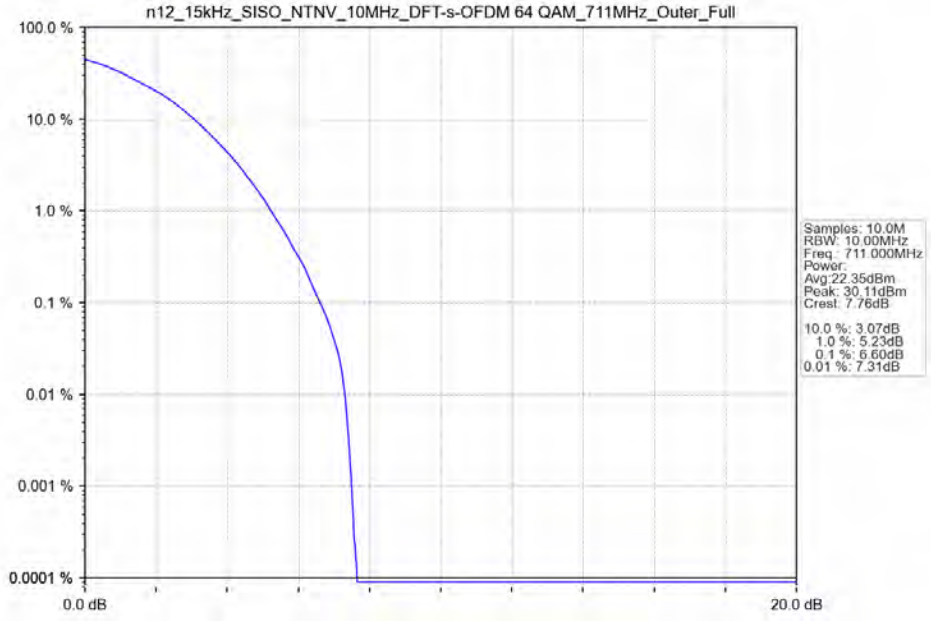
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_704MHz_Outer_Full



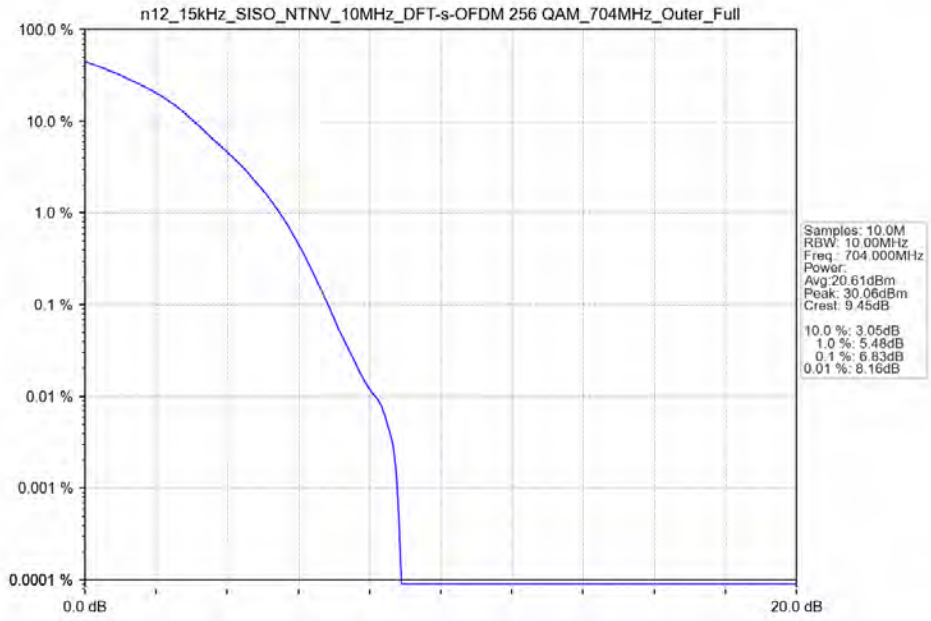
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full



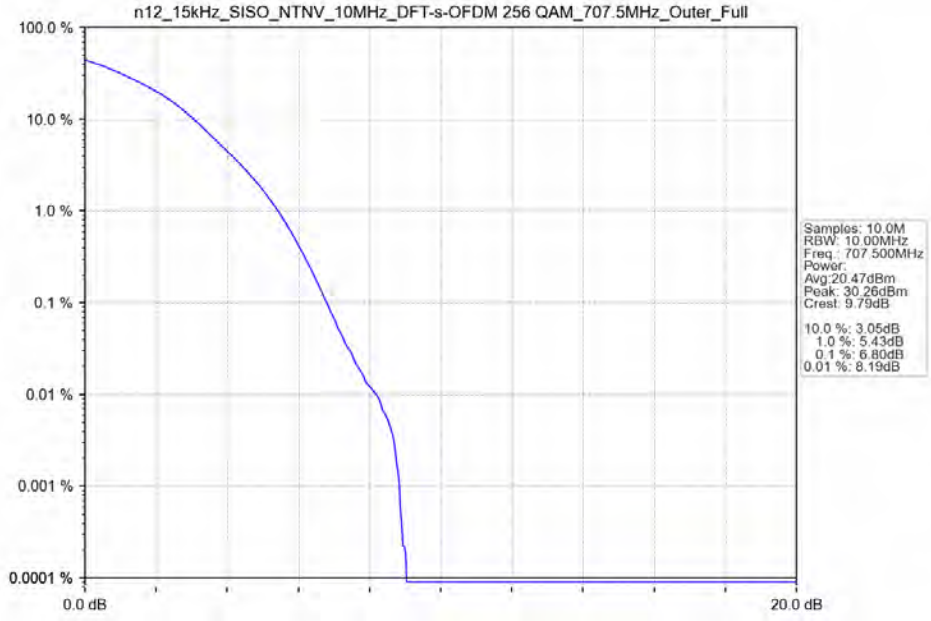
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_711MHz_Outer_Full



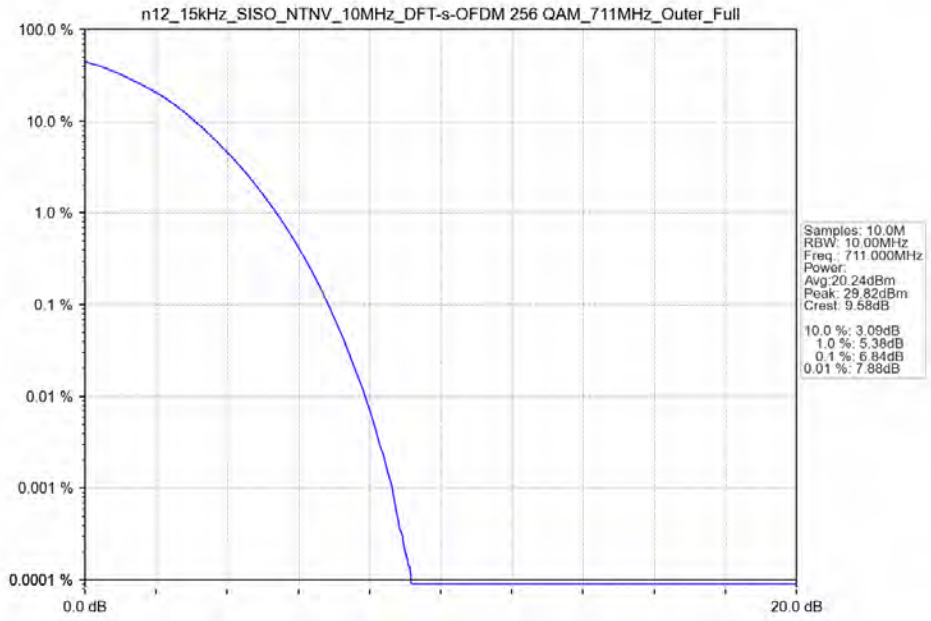
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_704MHz_Outer_Full



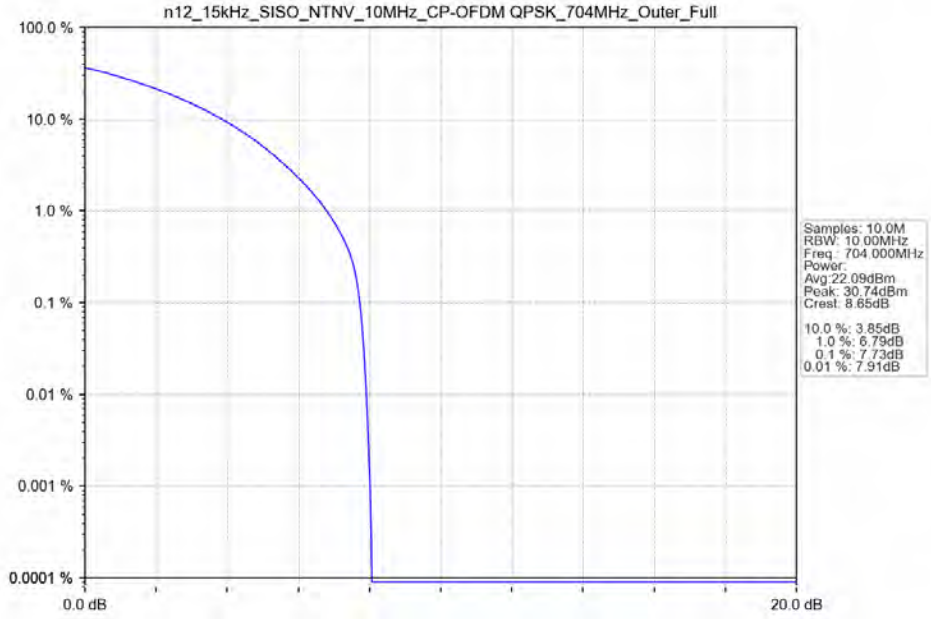
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full



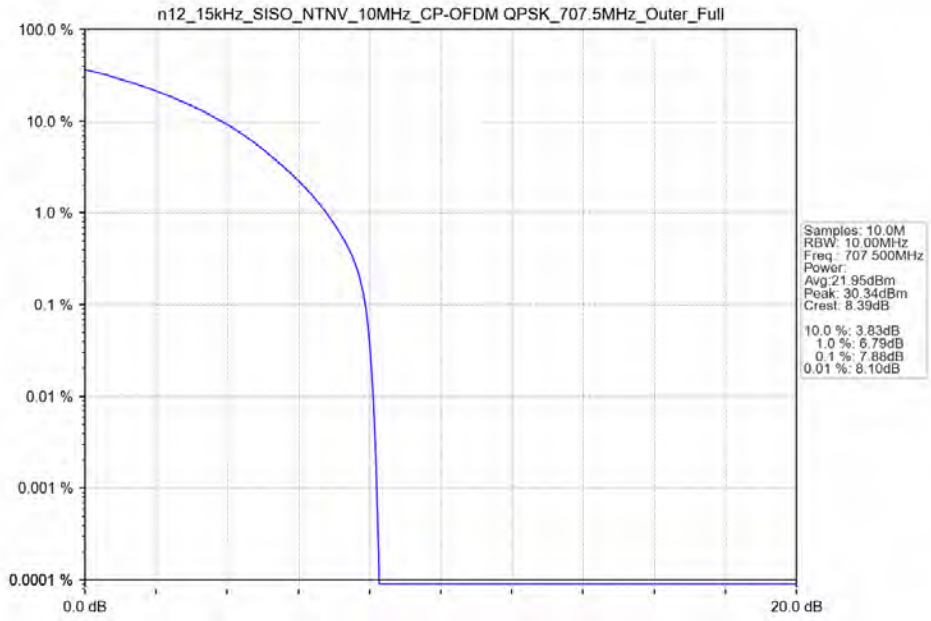
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_711MHz_Outer_Full



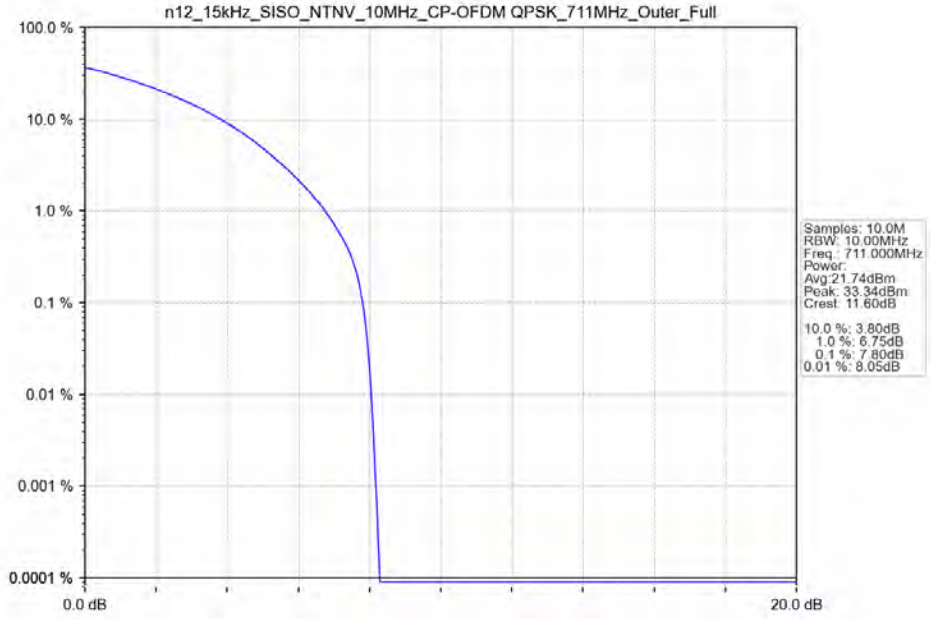
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Outer_Full



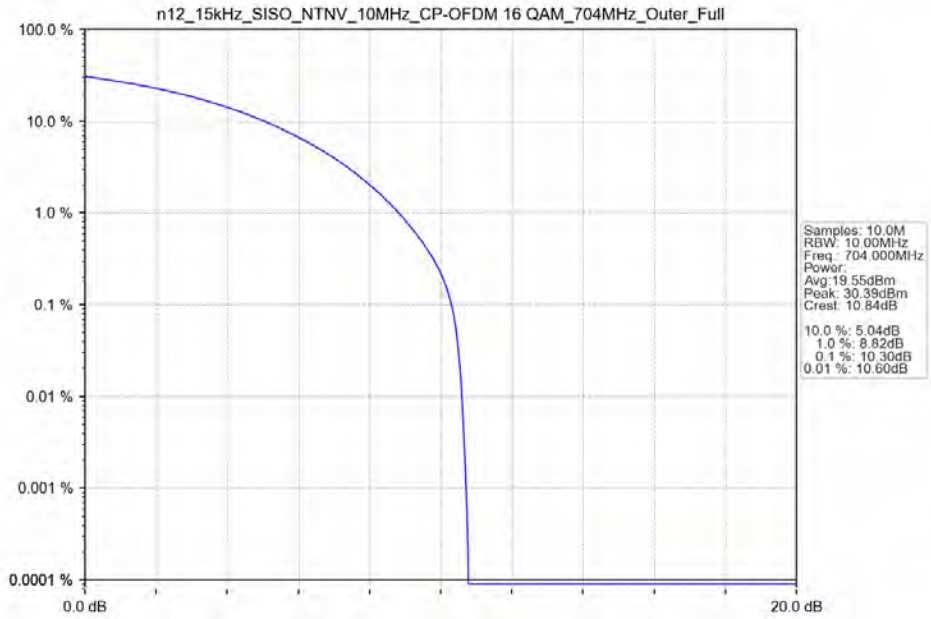
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_707.5MHz_Outer_Full



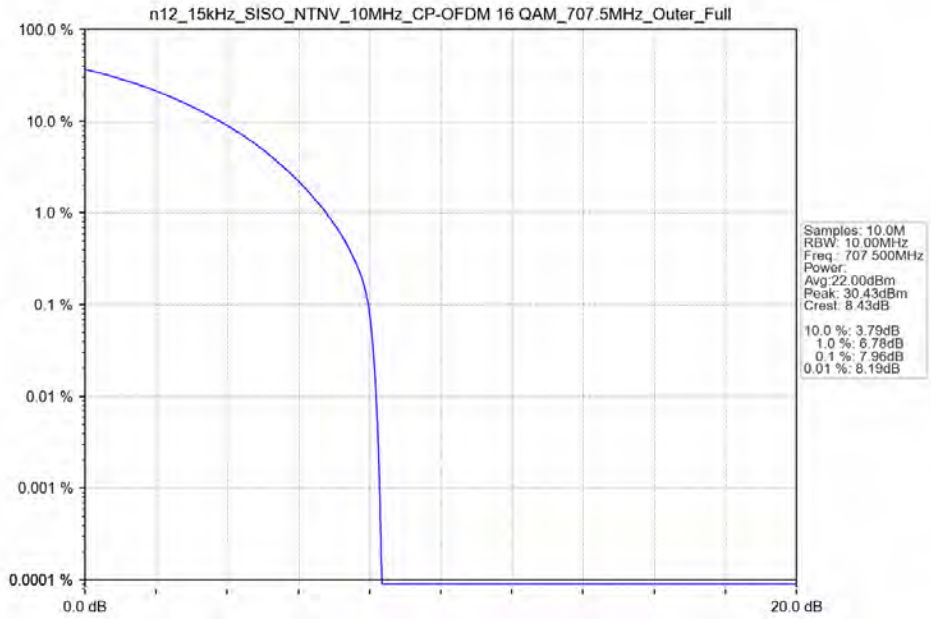
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Outer_Full



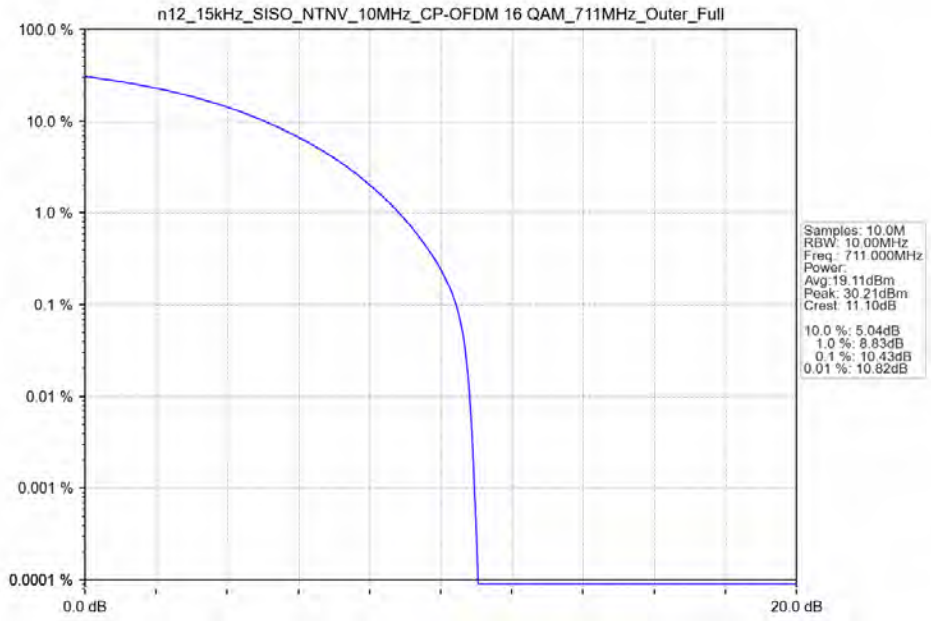
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_704MHz_Outer_Full



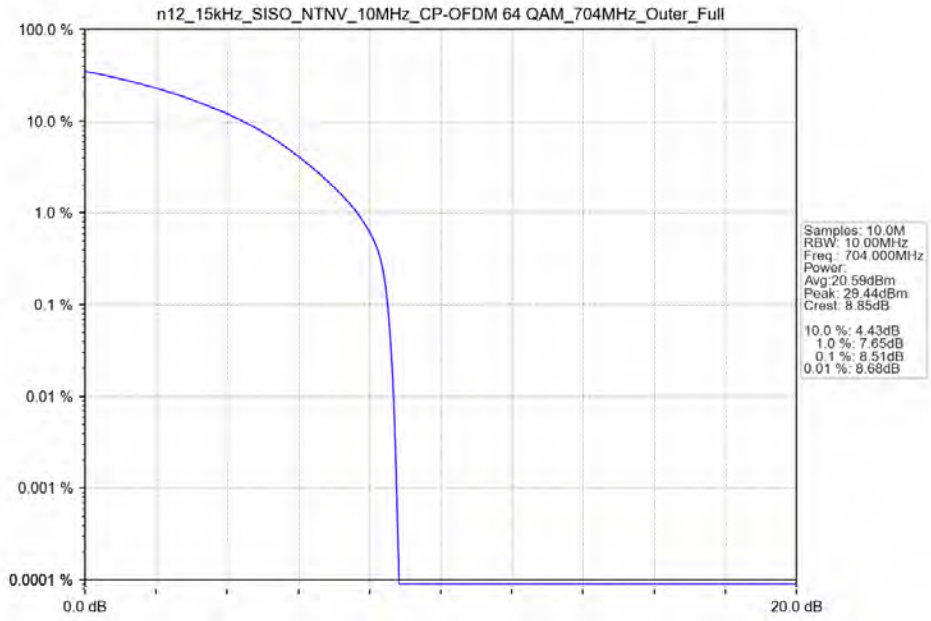
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full



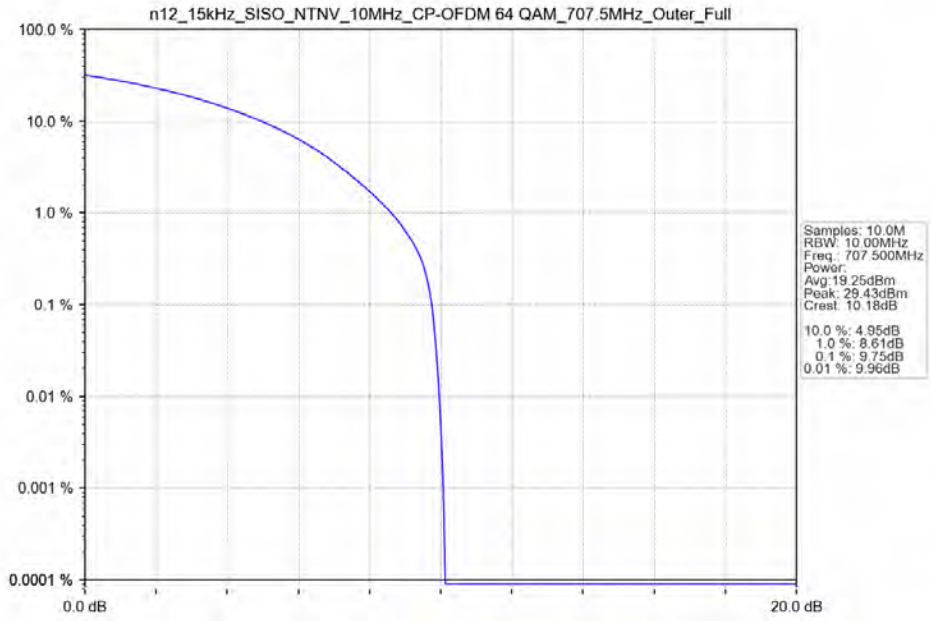
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_711MHz_Outer_Full



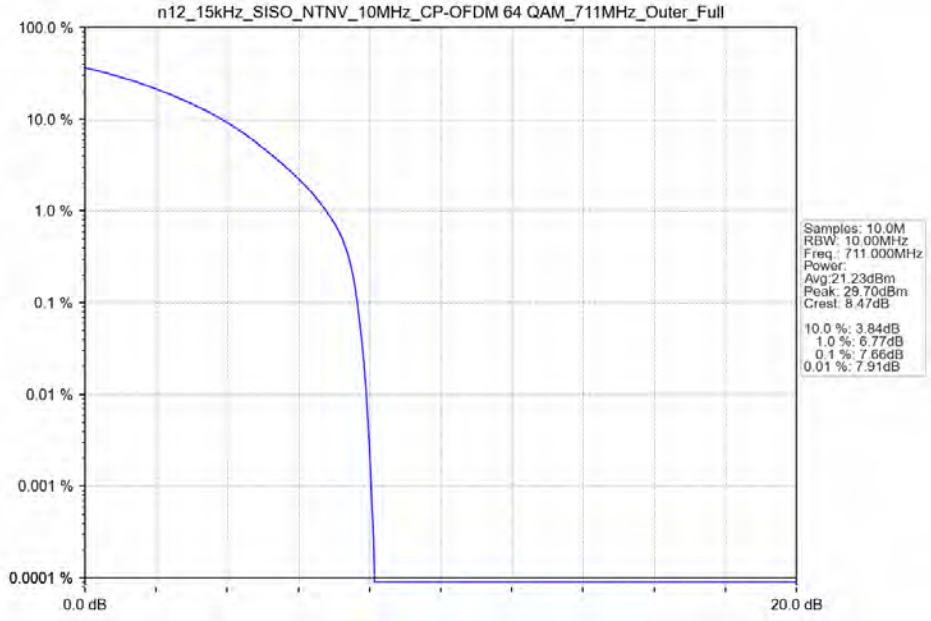
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_704MHz_Outer_Full



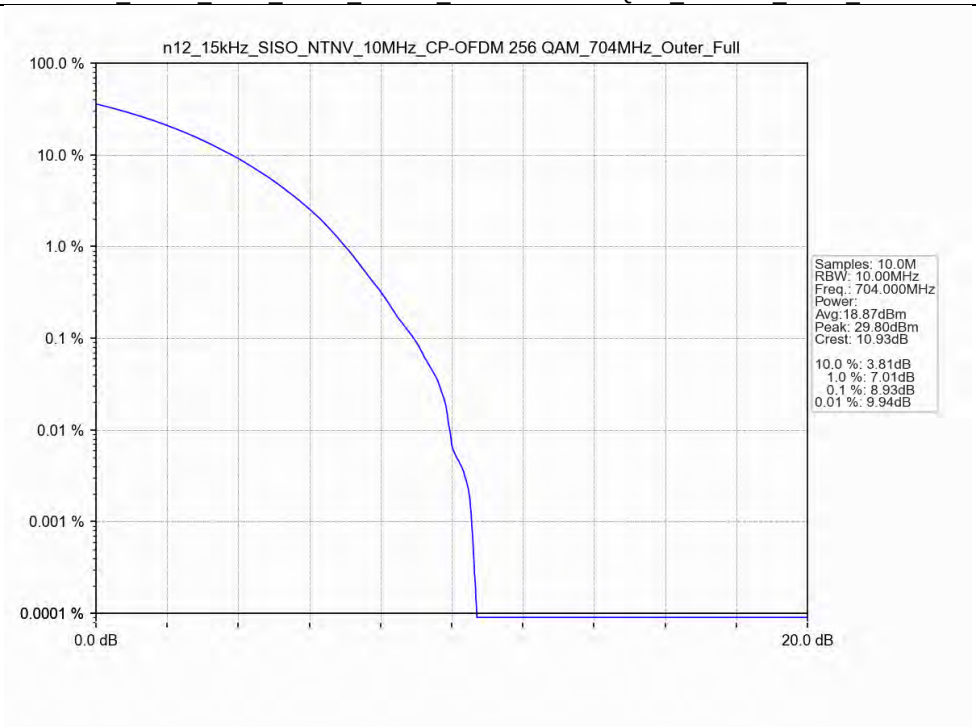
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full



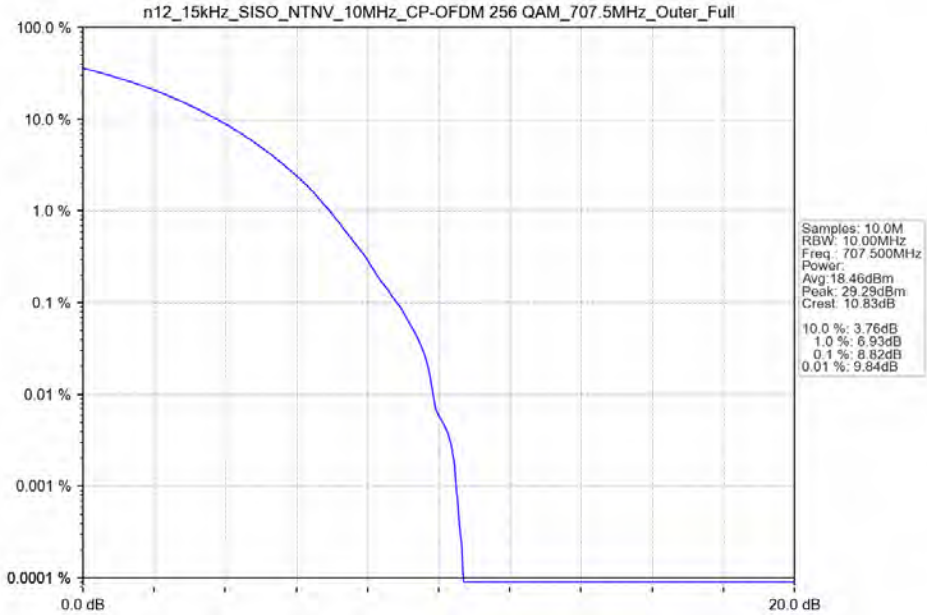
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_711MHz_Outer_Full



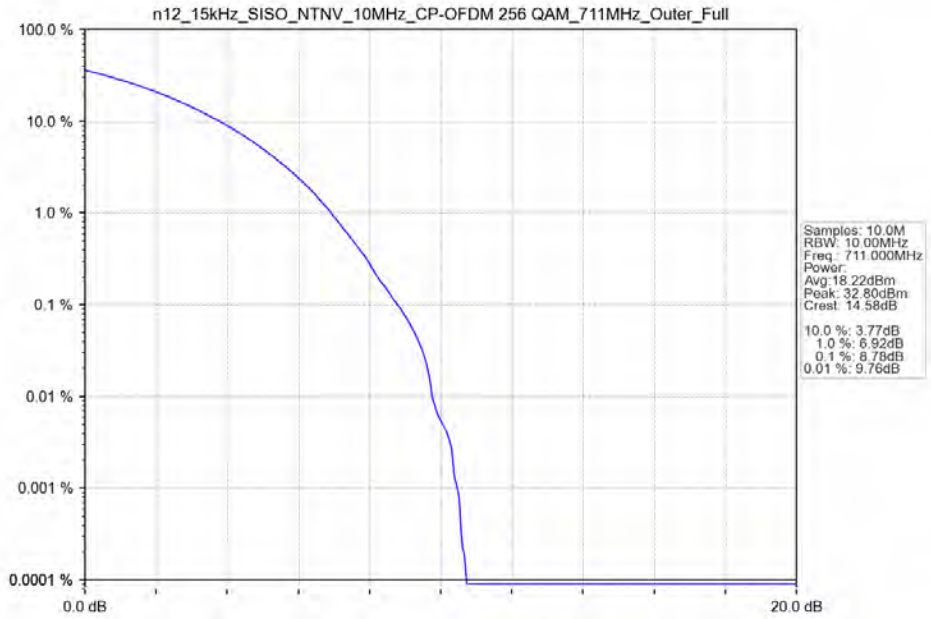
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_704MHz_Outer_Full



n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full

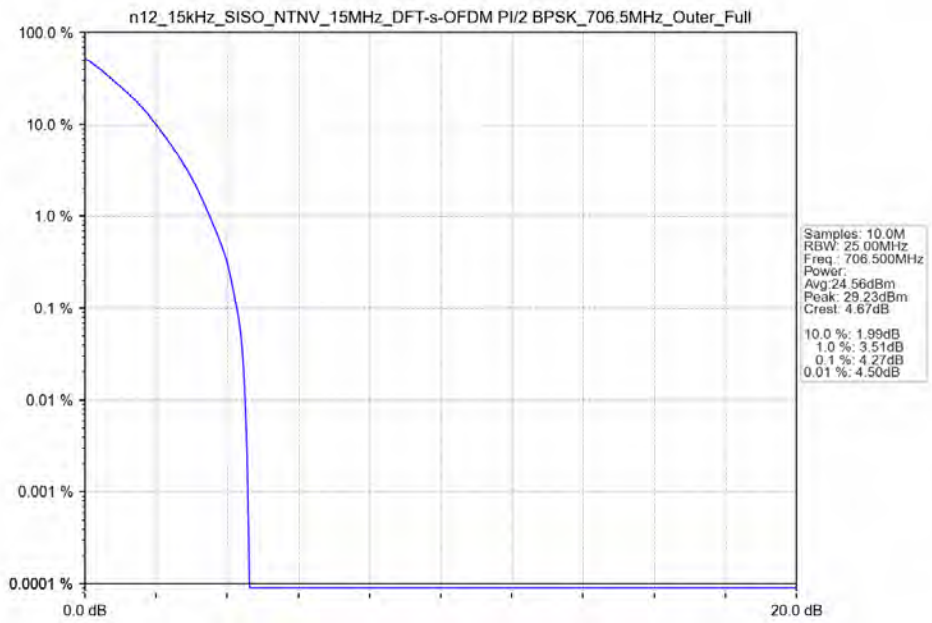


n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_711MHz_Outer_Full

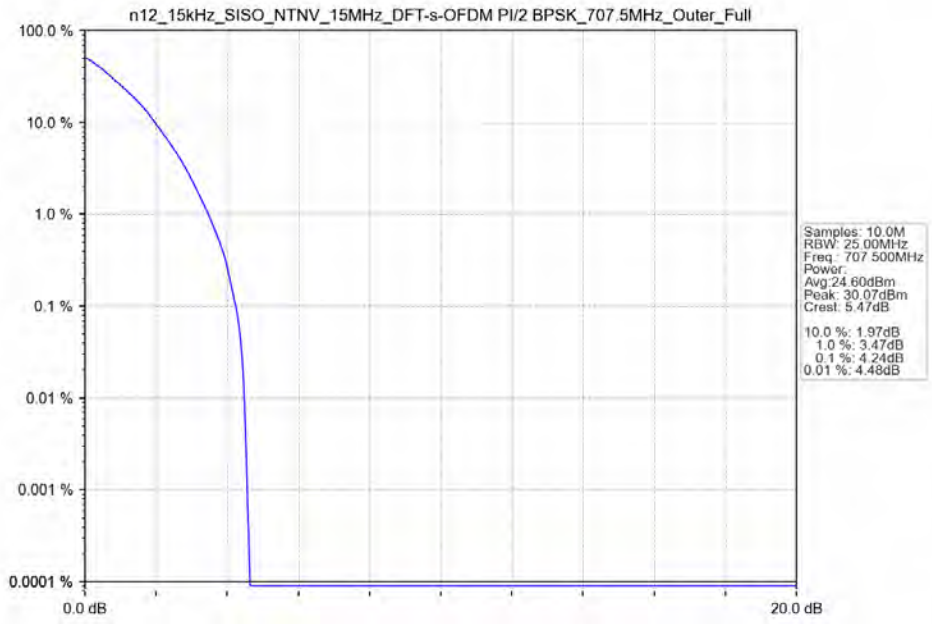


4.2.3 15k_SISO_15MHz_NTNV

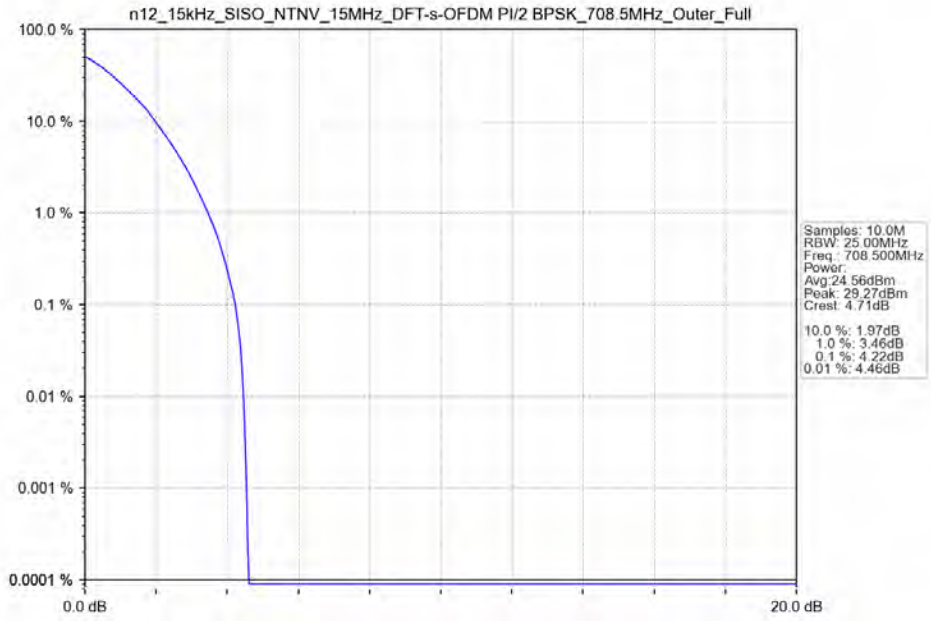
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Outer_Full



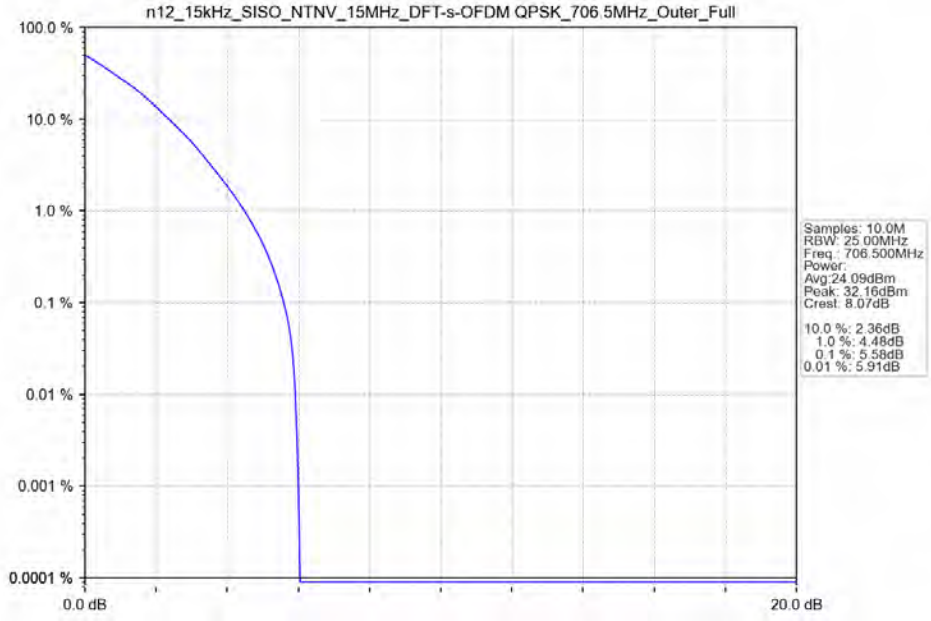
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Outer_Full



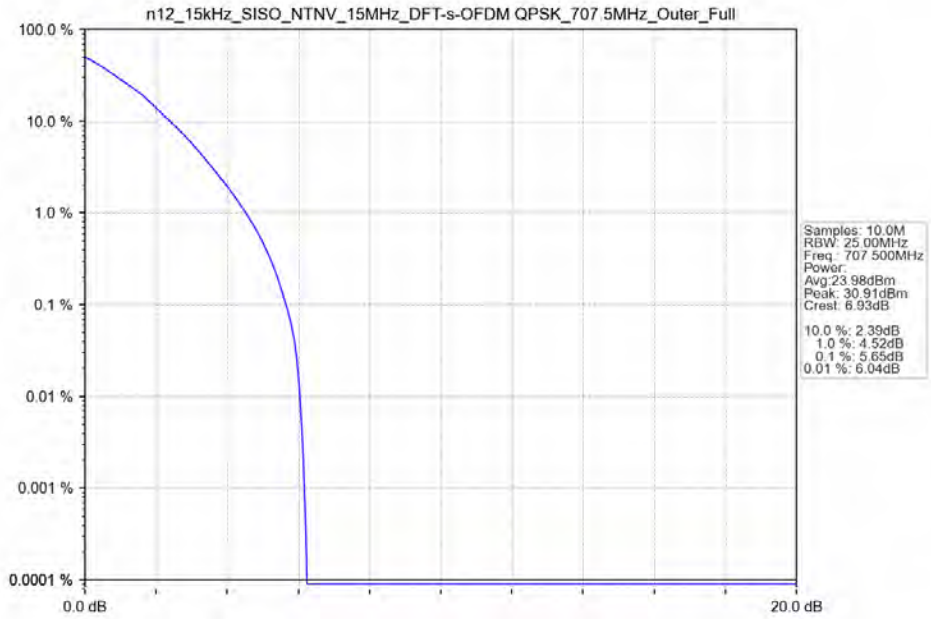
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Outer_Full



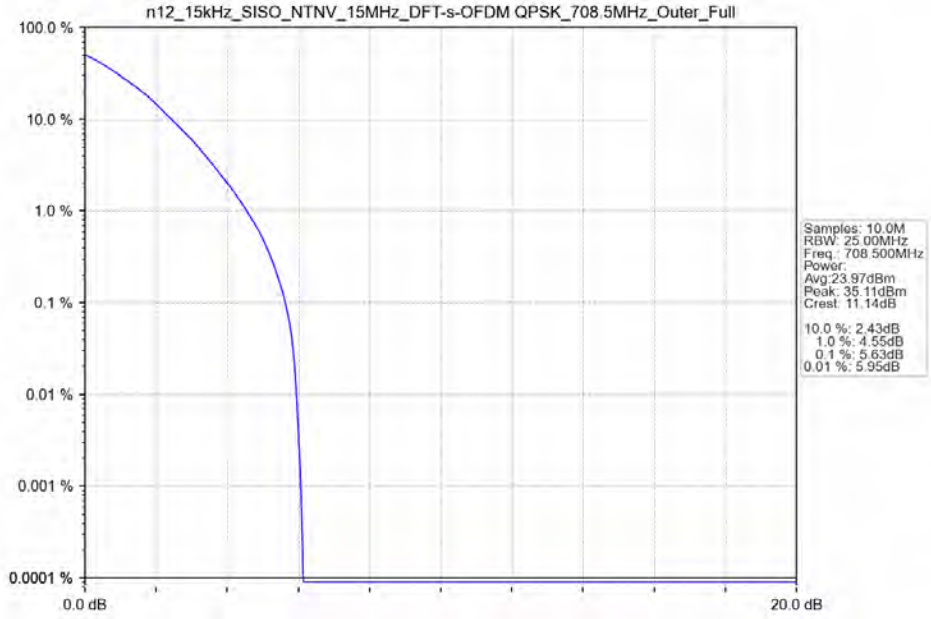
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_706.5MHz_Outer_Full



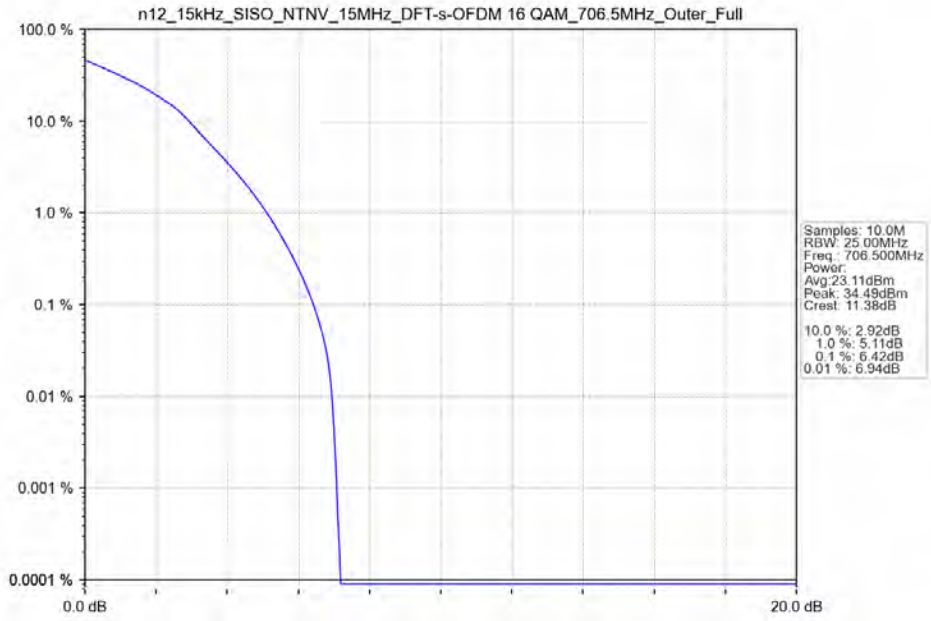
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_707.5MHz_Outer_Full



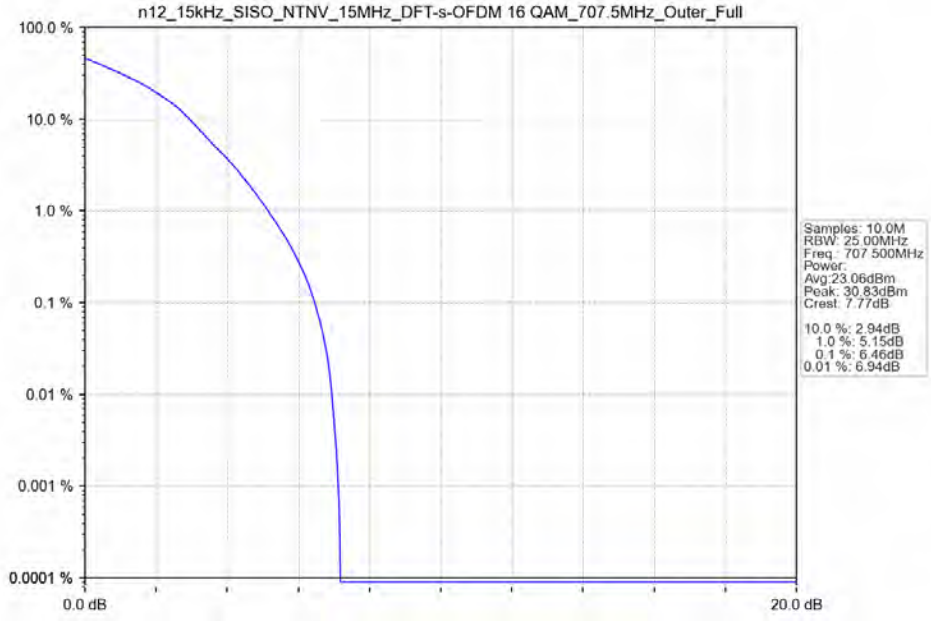
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_708.5MHz_Outer_Full



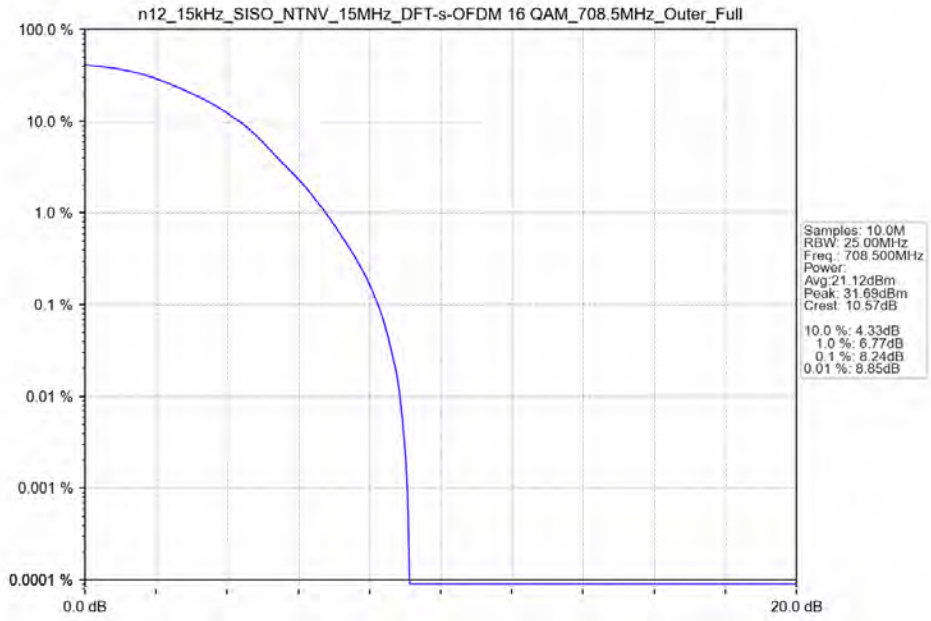
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_706.5MHz_Outer_Full



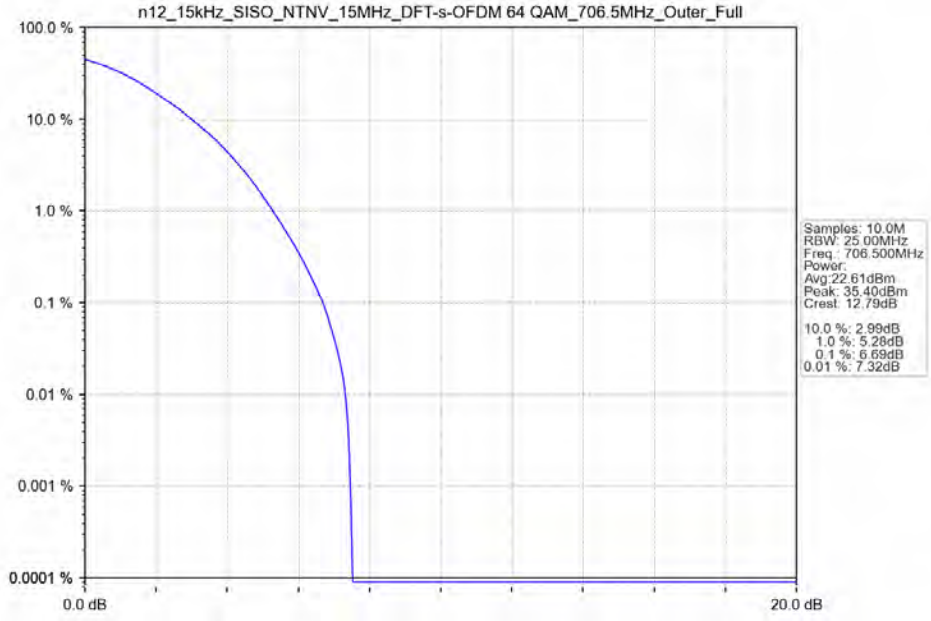
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full



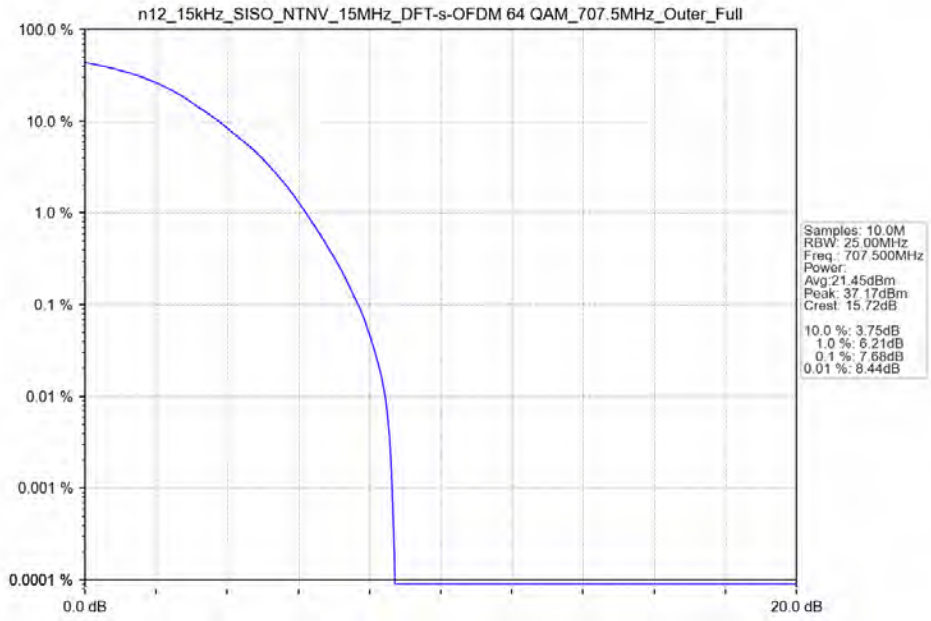
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_708.5MHz_Outer_Full



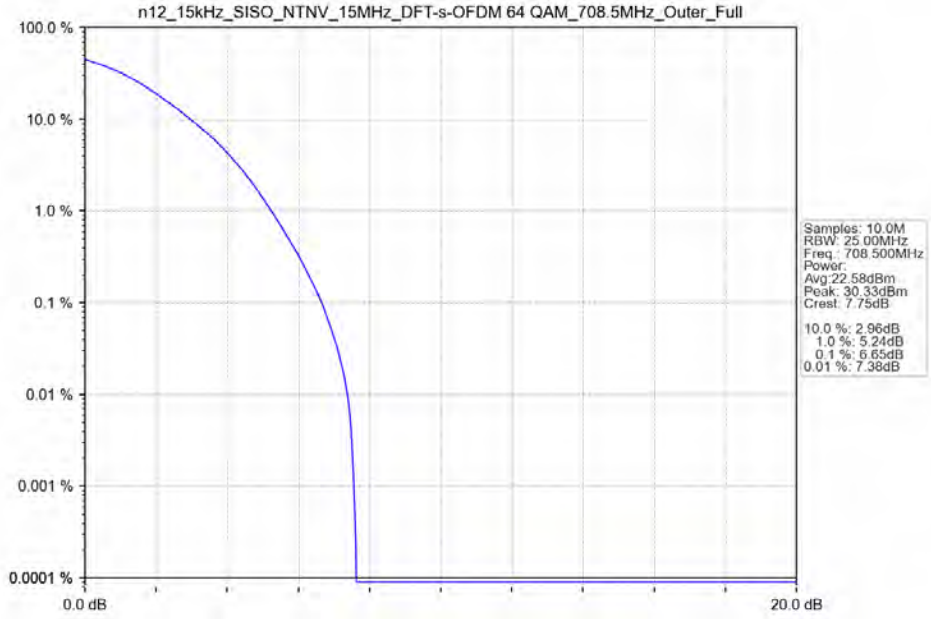
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_706.5MHz_Outer_Full



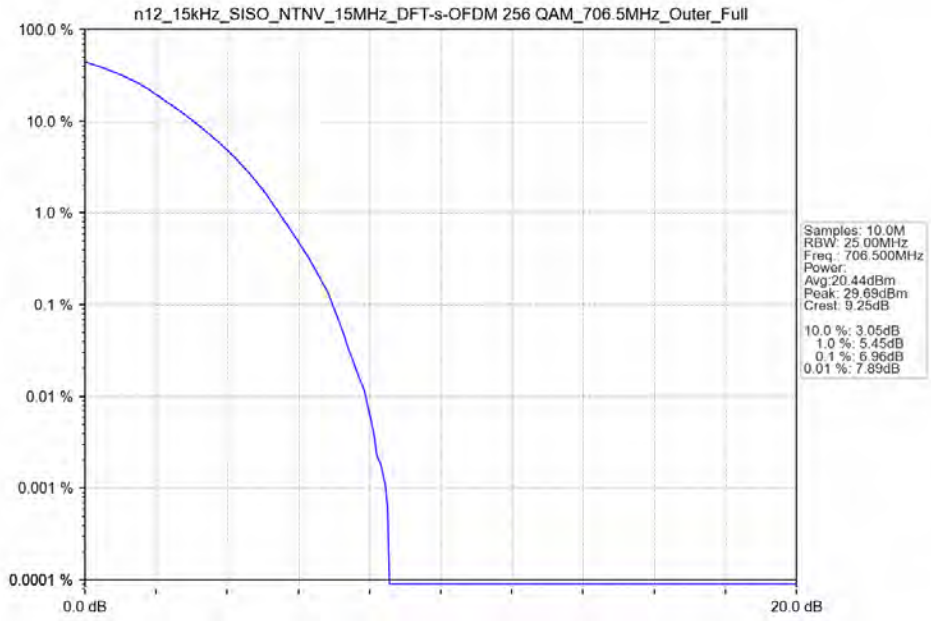
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full



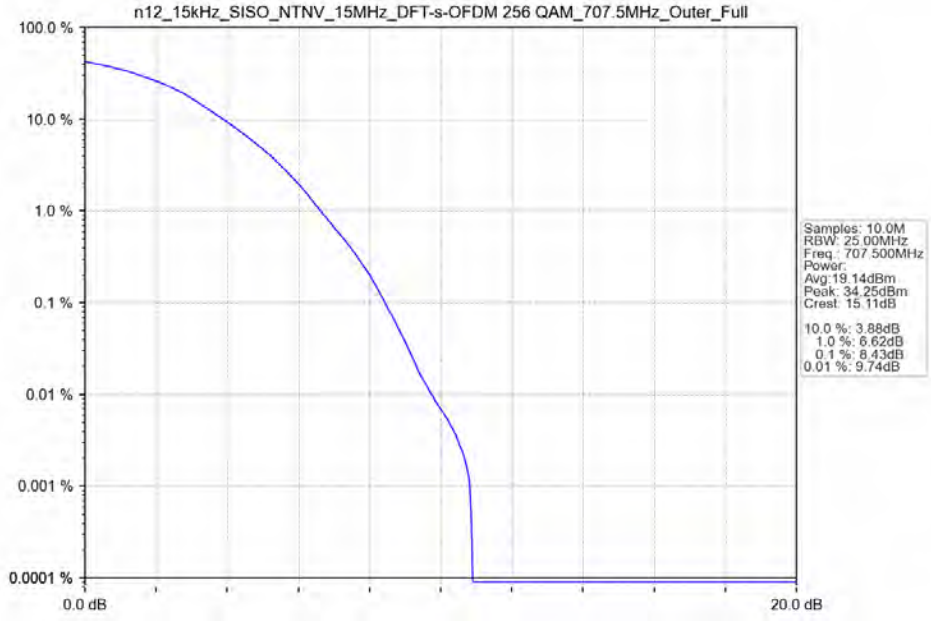
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_708.5MHz_Outer_Full



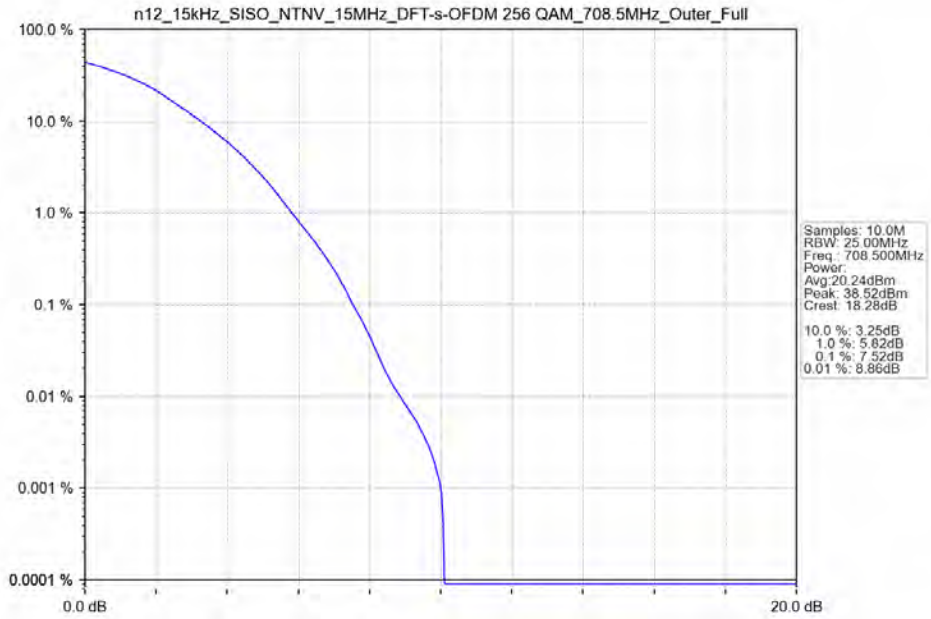
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_706.5MHz_Outer_Full



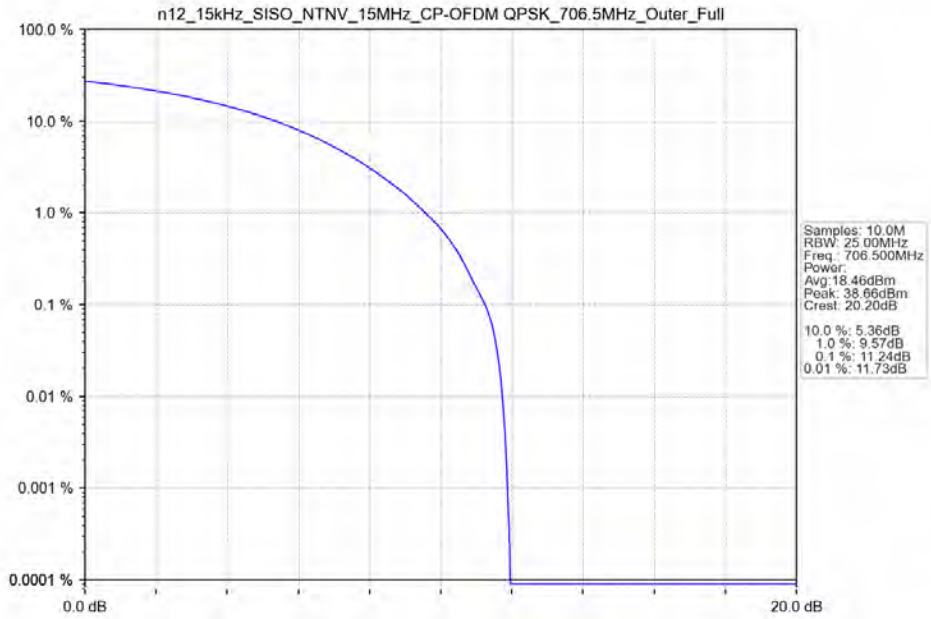
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full



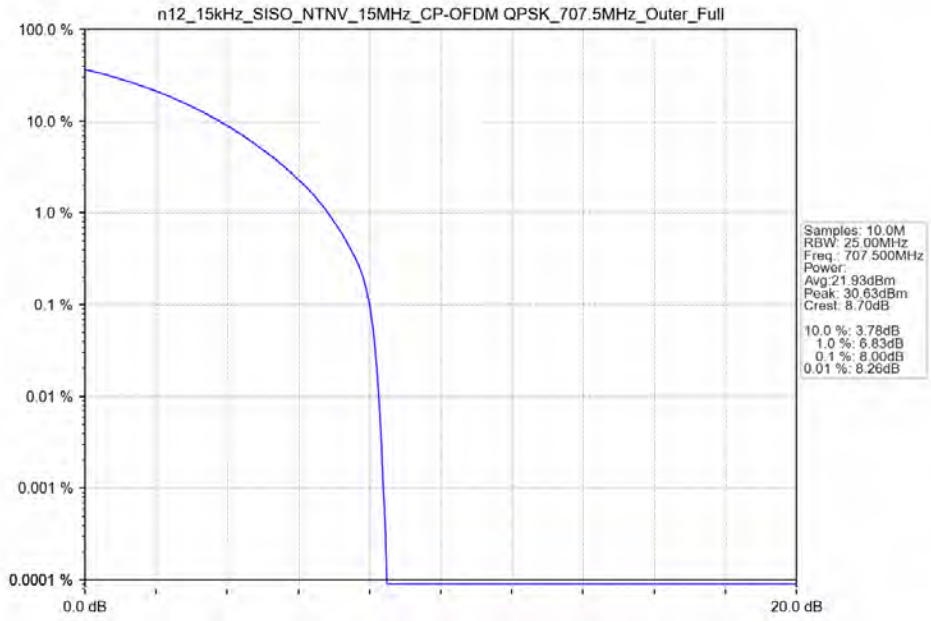
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_708.5MHz_Outer_Full



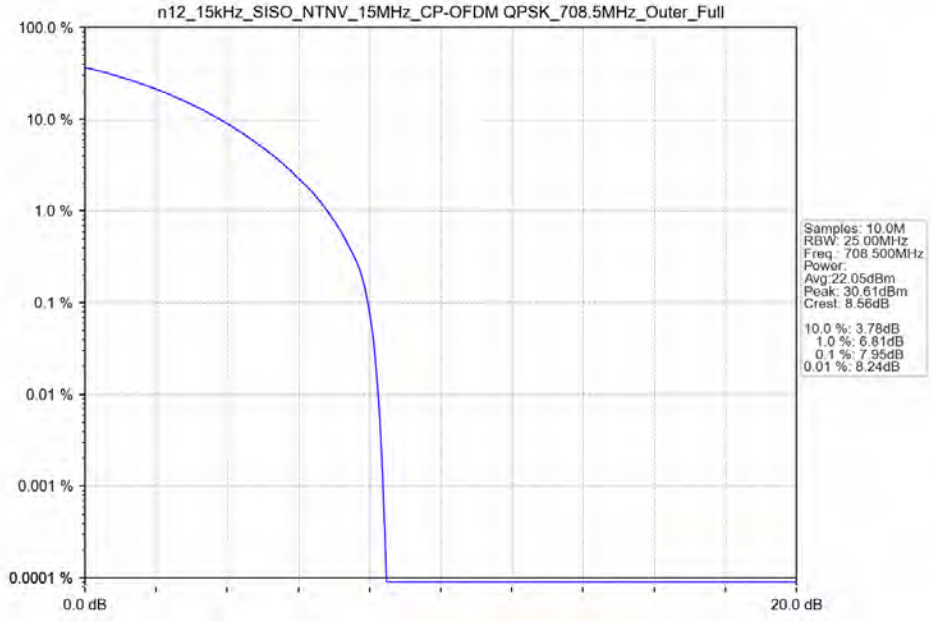
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Outer_Full



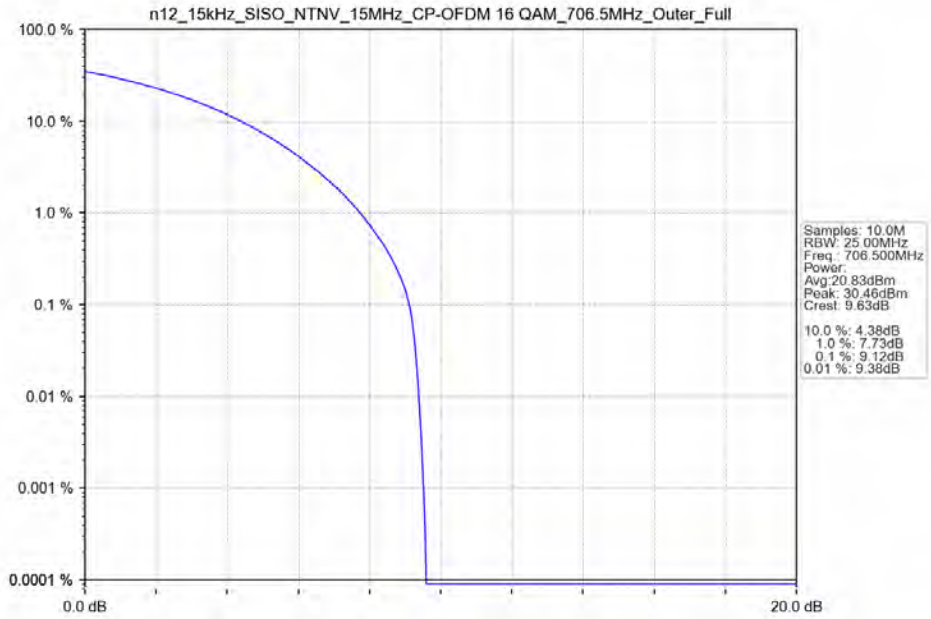
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Outer_Full



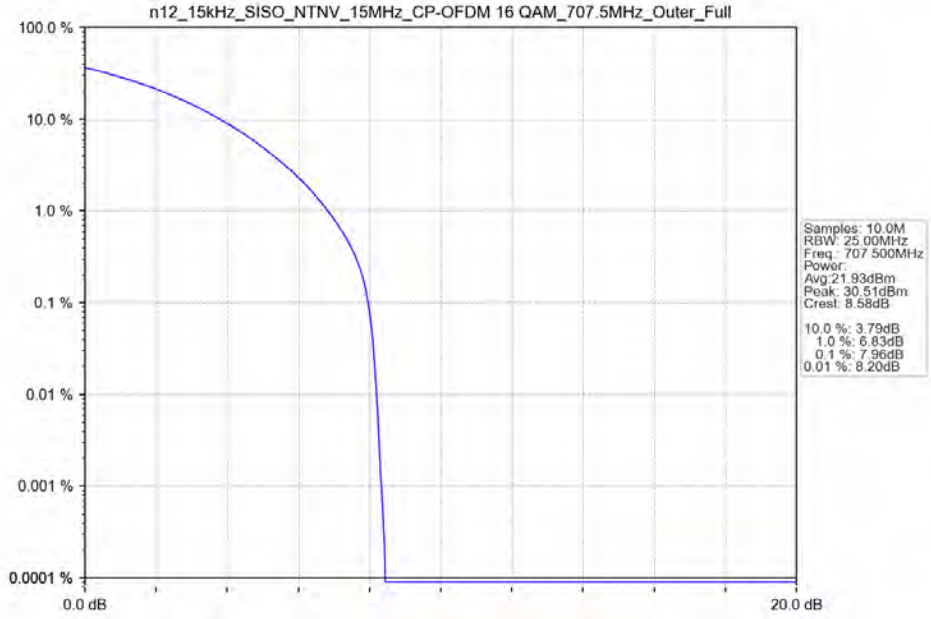
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Outer_Full



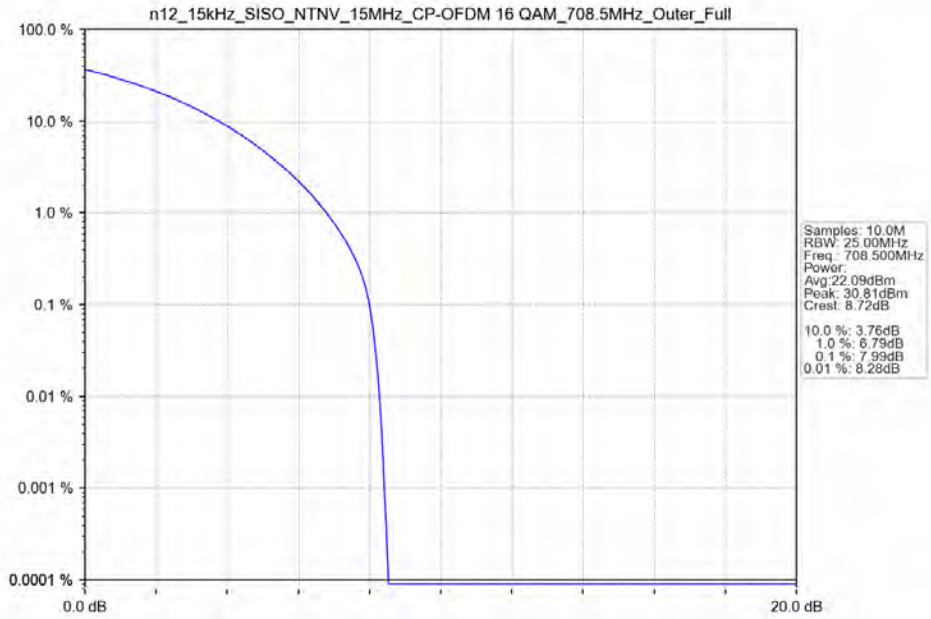
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_706.5MHz_Outer_Full



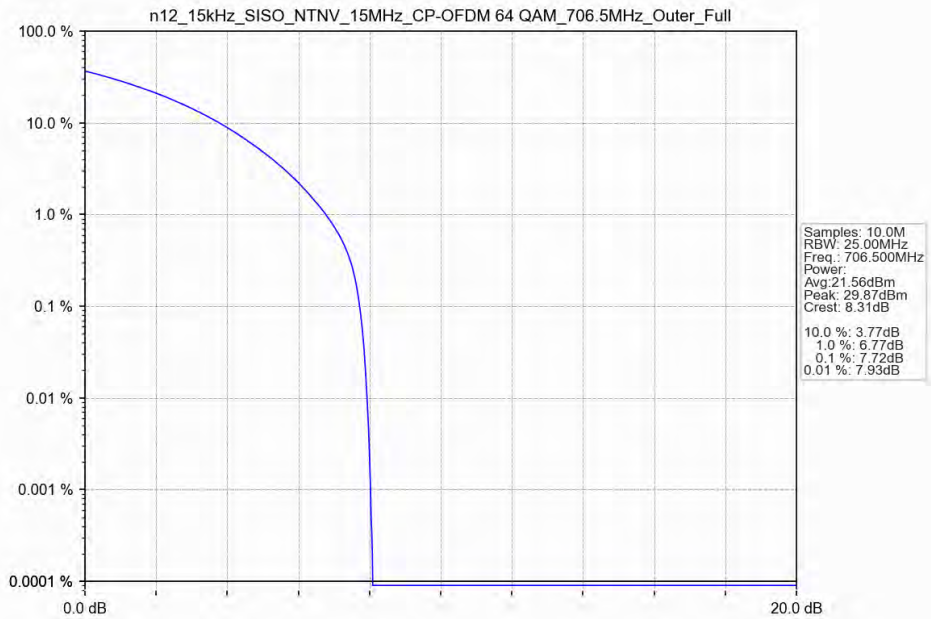
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full



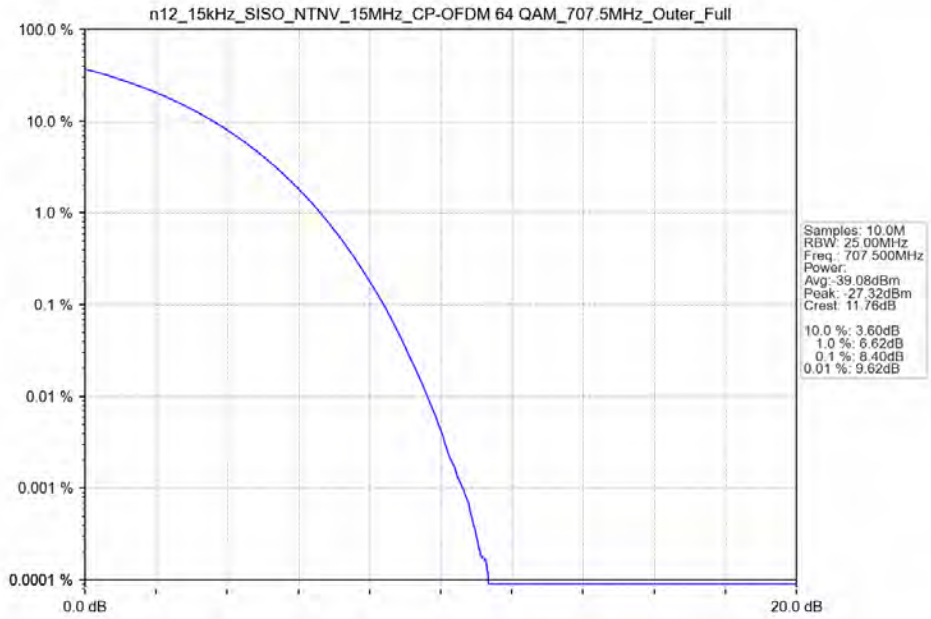
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_708.5MHz_Outer_Full



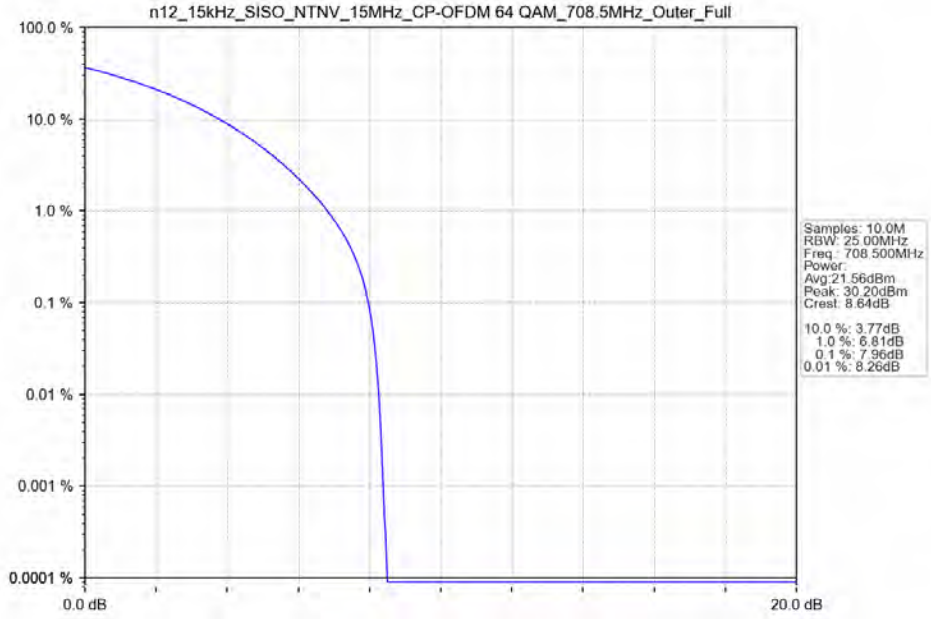
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_706.5MHz_Outer_Full



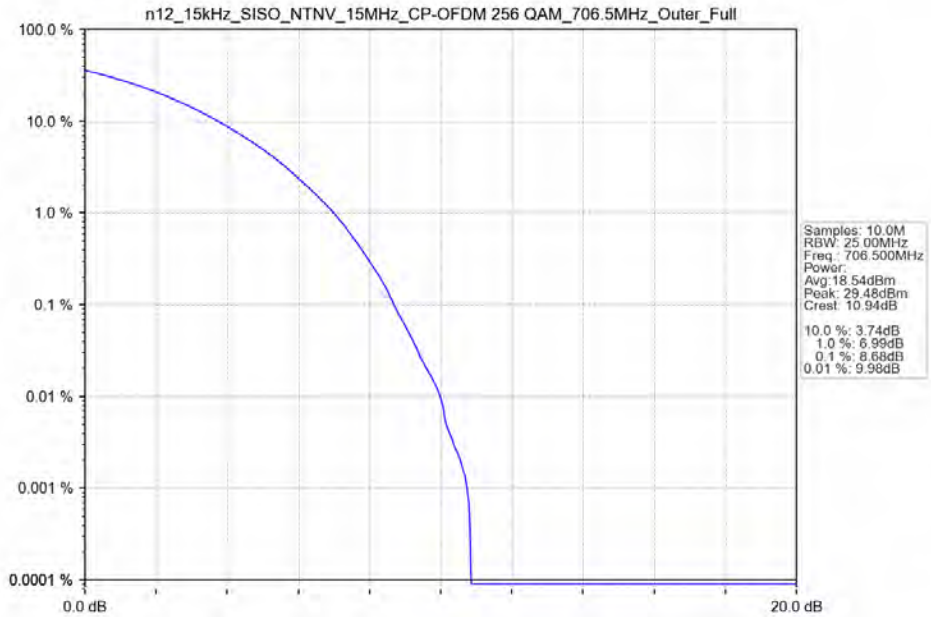
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full



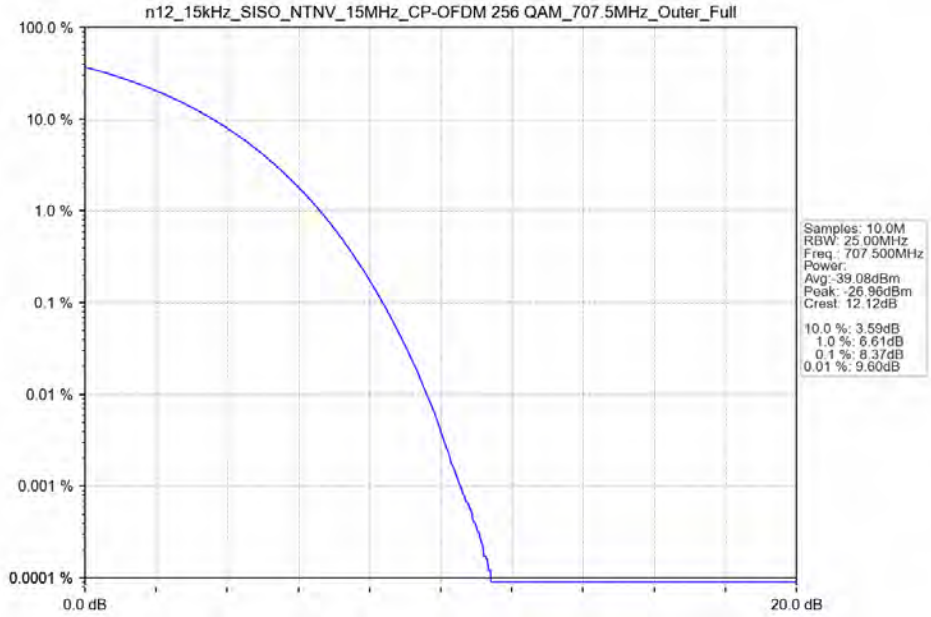
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_708.5MHz_Outer_Full



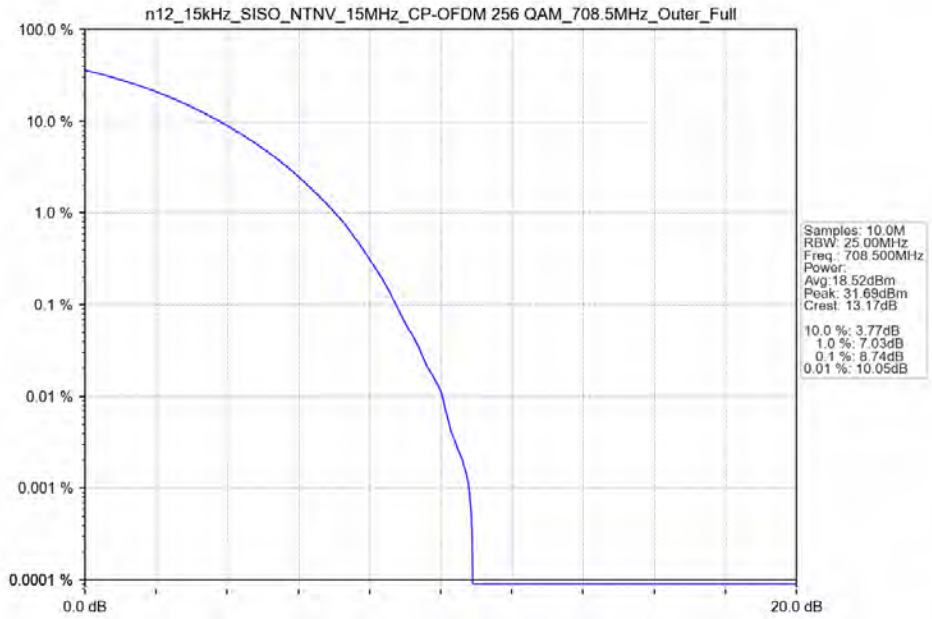
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_706.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_708.5MHz_Outer_Full



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n12 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	701.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	713.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	701.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	713.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	701.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	713.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n12 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	704	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	711	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	704	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	711	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	704	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass

	711	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n12 SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass