

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_ERP

5G NR n12 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	701.5	Edge_1RB_Left	23.77	/	/	15.12	/	/	<=34.77	Pass
		Edge_1RB_Right	23.80	/	/	15.15	/	/	<=34.77	Pass
		Outer_Full	23.89	/	/	15.24	/	/	<=34.77	Pass
		Inner_Full	24.27	/	/	15.62	/	/	<=34.77	Pass
		Inner_1RB_Left	24.17	/	/	15.52	/	/	<=34.77	Pass
		Inner_1RB_Right	24.33	/	/	15.68	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.81	/	/	15.16	/	/	<=34.77	Pass
		Edge_1RB_Right	23.78	/	/	15.13	/	/	<=34.77	Pass
		Outer_Full	23.94	/	/	15.29	/	/	<=34.77	Pass
		Inner_Full	24.23	/	/	15.58	/	/	<=34.77	Pass
		Inner_1RB_Left	24.31	/	/	15.66	/	/	<=34.77	Pass
		Inner_1RB_Right	24.32	/	/	15.67	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	23.88	/	/	15.23	/	/	<=34.77	Pass
		Edge_1RB_Right	23.89	/	/	15.24	/	/	<=34.77	Pass
		Outer_Full	23.93	/	/	15.28	/	/	<=34.77	Pass
		Inner_Full	24.31	/	/	15.66	/	/	<=34.77	Pass
		Inner_1RB_Left	24.32	/	/	15.67	/	/	<=34.77	Pass
		Inner_1RB_Right	24.38	/	/	15.73	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	701.5	Edge_1RB_Left	23.25	/	/	14.60	/	/	<=34.77	Pass
		Edge_1RB_Right	23.36	/	/	14.71	/	/	<=34.77	Pass
		Outer_Full	23.40	/	/	14.75	/	/	<=34.77	Pass
		Inner_Full	24.37	/	/	15.72	/	/	<=34.77	Pass
		Inner_1RB_Left	24.30	/	/	15.65	/	/	<=34.77	Pass
		Inner_1RB_Right	24.43	/	/	15.78	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.39	/	/	14.74	/	/	<=34.77	Pass
		Edge_1RB_Right	23.40	/	/	14.75	/	/	<=34.77	Pass
		Outer_Full	23.45	/	/	14.80	/	/	<=34.77	Pass
		Inner_Full	24.40	/	/	15.75	/	/	<=34.77	Pass
		Inner_1RB_Left	24.42	/	/	15.77	/	/	<=34.77	Pass
		Inner_1RB_Right	24.35	/	/	15.70	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	23.33	/	/	14.68	/	/	<=34.77	Pass
		Edge_1RB_Right	23.34	/	/	14.69	/	/	<=34.77	Pass
		Outer_Full	23.47	/	/	14.82	/	/	<=34.77	Pass
		Inner_Full	24.35	/	/	15.70	/	/	<=34.77	Pass
		Inner_1RB_Left	24.30	/	/	15.65	/	/	<=34.77	Pass
		Inner_1RB_Right	24.36	/	/	15.71	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	701.5	Edge_1RB_Left	22.17	/	/	13.52	/	/	<=34.77	Pass
		Edge_1RB_Right	22.24	/	/	13.59	/	/	<=34.77	Pass
		Outer_Full	22.29	/	/	13.64	/	/	<=34.77	Pass
		Inner_Full	23.30	/	/	14.65	/	/	<=34.77	Pass
		Inner_1RB_Left	23.09	/	/	14.44	/	/	<=34.77	Pass
		Inner_1RB_Right	23.15	/	/	14.50	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.28	/	/	13.63	/	/	<=34.77	Pass
		Edge_1RB_Right	22.20	/	/	13.55	/	/	<=34.77	Pass
		Outer_Full	22.42	/	/	13.77	/	/	<=34.77	Pass
		Inner_Full	23.33	/	/	14.68	/	/	<=34.77	Pass
		Inner_1RB_Left	23.59	/	/	14.94	/	/	<=34.77	Pass
		Inner_1RB_Right	23.28	/	/	14.63	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	22.21	/	/	13.56	/	/	<=34.77	Pass
		Edge_1RB_Right	22.31	/	/	13.66	/	/	<=34.77	Pass
		Outer_Full	22.37	/	/	13.72	/	/	<=34.77	Pass
		Inner_Full	23.35	/	/	14.70	/	/	<=34.77	Pass
		Inner_1RB_Left	23.24	/	/	14.59	/	/	<=34.77	Pass
		Inner_1RB_Right	23.20	/	/	14.55	/	/	<=34.77	Pass

DFT-s-OFDM 64 QAM	701.5	Edge_1RB_Left	21.95	/	/	13.30	/	/	<=34.77	Pass
		Edge_1RB_Right	22.08	/	/	13.43	/	/	<=34.77	Pass
		Outer_Full	21.82	/	/	13.17	/	/	<=34.77	Pass
		Inner_Full	21.87	/	/	13.22	/	/	<=34.77	Pass
		Inner_1RB_Left	21.90	/	/	13.25	/	/	<=34.77	Pass
		Inner_1RB_Right	22.04	/	/	13.39	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.05	/	/	13.40	/	/	<=34.77	Pass
		Edge_1RB_Right	22.04	/	/	13.39	/	/	<=34.77	Pass
		Outer_Full	21.90	/	/	13.25	/	/	<=34.77	Pass
		Inner_Full	21.86	/	/	13.21	/	/	<=34.77	Pass
		Inner_1RB_Left	22.02	/	/	13.37	/	/	<=34.77	Pass
		Inner_1RB_Right	22.10	/	/	13.45	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	22.06	/	/	13.41	/	/	<=34.77	Pass
		Edge_1RB_Right	22.05	/	/	13.40	/	/	<=34.77	Pass
		Outer_Full	21.87	/	/	13.22	/	/	<=34.77	Pass
		Inner_Full	21.79	/	/	13.14	/	/	<=34.77	Pass
		Inner_1RB_Left	21.98	/	/	13.33	/	/	<=34.77	Pass
		Inner_1RB_Right	22.05	/	/	13.40	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	701.5	Edge_1RB_Left	19.74	/	/	11.09	/	/	<=34.77	Pass
		Edge_1RB_Right	20.02	/	/	11.37	/	/	<=34.77	Pass
		Outer_Full	19.82	/	/	11.17	/	/	<=34.77	Pass
		Inner_Full	19.74	/	/	11.09	/	/	<=34.77	Pass
		Inner_1RB_Left	19.78	/	/	11.13	/	/	<=34.77	Pass
		Inner_1RB_Right	19.93	/	/	11.28	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	19.82	/	/	11.17	/	/	<=34.77	Pass
		Edge_1RB_Right	19.89	/	/	11.24	/	/	<=34.77	Pass
		Outer_Full	19.89	/	/	11.24	/	/	<=34.77	Pass
		Inner_Full	19.76	/	/	11.11	/	/	<=34.77	Pass
		Inner_1RB_Left	19.91	/	/	11.26	/	/	<=34.77	Pass
		Inner_1RB_Right	20.02	/	/	11.37	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	19.77	/	/	11.12	/	/	<=34.77	Pass
		Edge_1RB_Right	19.91	/	/	11.26	/	/	<=34.77	Pass
		Outer_Full	19.88	/	/	11.23	/	/	<=34.77	Pass
		Inner_Full	19.77	/	/	11.12	/	/	<=34.77	Pass
		Inner_1RB_Left	19.90	/	/	11.25	/	/	<=34.77	Pass
		Inner_1RB_Right	19.91	/	/	11.26	/	/	<=34.77	Pass
CP-OFDM QPSK	701.5	Edge_1RB_Left	21.28	/	/	12.63	/	/	<=34.77	Pass
		Edge_1RB_Right	21.45	/	/	12.80	/	/	<=34.77	Pass
		Outer_Full	21.36	/	/	12.71	/	/	<=34.77	Pass
		Inner_Full	22.82	/	/	14.17	/	/	<=34.77	Pass
		Inner_1RB_Left	22.77	/	/	14.12	/	/	<=34.77	Pass
		Inner_1RB_Right	22.89	/	/	14.24	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.61	/	/	12.96	/	/	<=34.77	Pass
		Edge_1RB_Right	21.51	/	/	12.86	/	/	<=34.77	Pass
		Outer_Full	21.64	/	/	12.99	/	/	<=34.77	Pass
		Inner_Full	22.91	/	/	14.26	/	/	<=34.77	Pass
		Inner_1RB_Left	22.98	/	/	14.33	/	/	<=34.77	Pass
		Inner_1RB_Right	22.98	/	/	14.33	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	21.40	/	/	12.75	/	/	<=34.77	Pass
		Edge_1RB_Right	21.38	/	/	12.73	/	/	<=34.77	Pass
		Outer_Full	21.39	/	/	12.74	/	/	<=34.77	Pass
		Inner_Full	22.84	/	/	14.19	/	/	<=34.77	Pass
		Inner_1RB_Left	22.88	/	/	14.23	/	/	<=34.77	Pass
		Inner_1RB_Right	22.96	/	/	14.31	/	/	<=34.77	Pass
CP-OFDM 16 QAM	701.5	Edge_1RB_Left	21.12	/	/	12.47	/	/	<=34.77	Pass
		Edge_1RB_Right	21.32	/	/	12.67	/	/	<=34.77	Pass
		Outer_Full	21.34	/	/	12.69	/	/	<=34.77	Pass
		Inner_Full	22.34	/	/	13.69	/	/	<=34.77	Pass
		Inner_1RB_Left	22.17	/	/	13.52	/	/	<=34.77	Pass
		Inner_1RB_Right	22.31	/	/	13.66	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.30	/	/	12.65	/	/	<=34.77	Pass
		Edge_1RB_Right	21.32	/	/	12.67	/	/	<=34.77	Pass
		Outer_Full	21.38	/	/	12.73	/	/	<=34.77	Pass
		Inner_Full	22.45	/	/	13.80	/	/	<=34.77	Pass

		Inner_1RB_Left	22.34	/	/	13.69	/	/	<=34.77	Pass
		Inner_1RB_Right	22.29	/	/	13.64	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	21.46	/	/	12.81	/	/	<=34.77	Pass
		Edge_1RB_Right	21.25	/	/	12.60	/	/	<=34.77	Pass
		Outer_Full	21.41	/	/	12.76	/	/	<=34.77	Pass
		Inner_Full	22.36	/	/	13.71	/	/	<=34.77	Pass
		Inner_1RB_Left	22.24	/	/	13.59	/	/	<=34.77	Pass
		Inner_1RB_Right	22.25	/	/	13.60	/	/	<=34.77	Pass
CP-OFDM 64 QAM	701.5	Edge_1RB_Left	20.86	/	/	12.21	/	/	<=34.77	Pass
		Edge_1RB_Right	21.03	/	/	12.38	/	/	<=34.77	Pass
		Outer_Full	20.74	/	/	12.09	/	/	<=34.77	Pass
		Inner_Full	20.76	/	/	12.11	/	/	<=34.77	Pass
		Inner_1RB_Left	20.92	/	/	12.27	/	/	<=34.77	Pass
		Inner_1RB_Right	21.04	/	/	12.39	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.98	/	/	12.33	/	/	<=34.77	Pass
		Edge_1RB_Right	21.06	/	/	12.41	/	/	<=34.77	Pass
		Outer_Full	20.97	/	/	12.32	/	/	<=34.77	Pass
		Inner_Full	20.87	/	/	12.22	/	/	<=34.77	Pass
		Inner_1RB_Left	21.02	/	/	12.37	/	/	<=34.77	Pass
		Inner_1RB_Right	20.83	/	/	12.18	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	20.90	/	/	12.25	/	/	<=34.77	Pass
		Edge_1RB_Right	20.96	/	/	12.31	/	/	<=34.77	Pass
		Outer_Full	20.84	/	/	12.19	/	/	<=34.77	Pass
		Inner_Full	20.79	/	/	12.14	/	/	<=34.77	Pass
		Inner_1RB_Left	20.97	/	/	12.32	/	/	<=34.77	Pass
		Inner_1RB_Right	21.02	/	/	12.37	/	/	<=34.77	Pass
CP-OFDM 256 QAM	701.5	Edge_1RB_Left	17.58	/	/	8.93	/	/	<=34.77	Pass
		Edge_1RB_Right	17.94	/	/	9.29	/	/	<=34.77	Pass
		Outer_Full	17.80	/	/	9.15	/	/	<=34.77	Pass
		Inner_Full	17.75	/	/	9.10	/	/	<=34.77	Pass
		Inner_1RB_Left	17.77	/	/	9.12	/	/	<=34.77	Pass
		Inner_1RB_Right	17.94	/	/	9.29	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	17.88	/	/	9.23	/	/	<=34.77	Pass
		Edge_1RB_Right	17.93	/	/	9.28	/	/	<=34.77	Pass
		Outer_Full	17.86	/	/	9.21	/	/	<=34.77	Pass
		Inner_Full	17.79	/	/	9.14	/	/	<=34.77	Pass
		Inner_1RB_Left	17.92	/	/	9.27	/	/	<=34.77	Pass
		Inner_1RB_Right	17.97	/	/	9.32	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	17.89	/	/	9.24	/	/	<=34.77	Pass
		Edge_1RB_Right	17.88	/	/	9.23	/	/	<=34.77	Pass
		Outer_Full	17.87	/	/	9.22	/	/	<=34.77	Pass
		Inner_Full	17.78	/	/	9.13	/	/	<=34.77	Pass
		Inner_1RB_Left	17.96	/	/	9.31	/	/	<=34.77	Pass
		Inner_1RB_Right	17.96	/	/	9.31	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant0: -6.50dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 15_S_10M_NTNV_ERP

5G NR n12 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	704	Edge_1RB_Left	23.80	/	/	15.15	/	/	<=34.77	Pass
		Edge_1RB_Right	23.84	/	/	15.19	/	/	<=34.77	Pass
		Outer_Full	23.97	/	/	15.32	/	/	<=34.77	Pass
		Inner_Full	24.33	/	/	15.68	/	/	<=34.77	Pass
		Inner_1RB_Left	24.24	/	/	15.59	/	/	<=34.77	Pass
		Inner_1RB_Right	24.38	/	/	15.73	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.87	/	/	15.22	/	/	<=34.77	Pass
		Edge_1RB_Right	23.87	/	/	15.22	/	/	<=34.77	Pass
		Outer_Full	23.96	/	/	15.31	/	/	<=34.77	Pass
		Inner_Full	24.28	/	/	15.63	/	/	<=34.77	Pass

		Inner_1RB_Left	24.38	/	/	15.73	/	/	<=34.77	Pass
		Inner_1RB_Right	24.33	/	/	15.68	/	/	<=34.77	Pass
	711	Edge_1RB_Left	23.91	/	/	15.26	/	/	<=34.77	Pass
		Edge_1RB_Right	23.88	/	/	15.23	/	/	<=34.77	Pass
		Outer_Full	23.97	/	/	15.32	/	/	<=34.77	Pass
		Inner_Full	24.33	/	/	15.68	/	/	<=34.77	Pass
		Inner_1RB_Left	24.37	/	/	15.72	/	/	<=34.77	Pass
		Inner_1RB_Right	24.40	/	/	15.75	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	704	Edge_1RB_Left	23.45	/	/	14.80	/	/	<=34.77	Pass
		Edge_1RB_Right	23.51	/	/	14.86	/	/	<=34.77	Pass
		Outer_Full	23.65	/	/	15.00	/	/	<=34.77	Pass
		Inner_Full	24.50	/	/	15.85	/	/	<=34.77	Pass
		Inner_1RB_Left	24.44	/	/	15.79	/	/	<=34.77	Pass
		Inner_1RB_Right	24.54	/	/	15.89	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.33	/	/	14.68	/	/	<=34.77	Pass
		Edge_1RB_Right	23.36	/	/	14.71	/	/	<=34.77	Pass
		Outer_Full	23.41	/	/	14.76	/	/	<=34.77	Pass
		Inner_Full	24.32	/	/	15.67	/	/	<=34.77	Pass
		Inner_1RB_Left	24.37	/	/	15.72	/	/	<=34.77	Pass
		Inner_1RB_Right	24.37	/	/	15.72	/	/	<=34.77	Pass
	711	Edge_1RB_Left	23.48	/	/	14.83	/	/	<=34.77	Pass
		Edge_1RB_Right	23.48	/	/	14.83	/	/	<=34.77	Pass
		Outer_Full	23.52	/	/	14.87	/	/	<=34.77	Pass
		Inner_Full	24.39	/	/	15.74	/	/	<=34.77	Pass
		Inner_1RB_Left	24.47	/	/	15.82	/	/	<=34.77	Pass
		Inner_1RB_Right	24.50	/	/	15.85	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	704	Edge_1RB_Left	22.33	/	/	13.68	/	/	<=34.77	Pass
		Edge_1RB_Right	22.45	/	/	13.80	/	/	<=34.77	Pass
		Outer_Full	22.47	/	/	13.82	/	/	<=34.77	Pass
		Inner_Full	23.46	/	/	14.81	/	/	<=34.77	Pass
		Inner_1RB_Left	23.31	/	/	14.66	/	/	<=34.77	Pass
		Inner_1RB_Right	23.45	/	/	14.80	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.34	/	/	13.69	/	/	<=34.77	Pass
		Edge_1RB_Right	22.20	/	/	13.55	/	/	<=34.77	Pass
		Outer_Full	22.30	/	/	13.65	/	/	<=34.77	Pass
		Inner_Full	23.27	/	/	14.62	/	/	<=34.77	Pass
		Inner_1RB_Left	23.26	/	/	14.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.21	/	/	14.56	/	/	<=34.77	Pass
	711	Edge_1RB_Left	22.32	/	/	13.67	/	/	<=34.77	Pass
		Edge_1RB_Right	22.34	/	/	13.69	/	/	<=34.77	Pass
		Outer_Full	22.42	/	/	13.77	/	/	<=34.77	Pass
		Inner_Full	23.40	/	/	14.75	/	/	<=34.77	Pass
		Inner_1RB_Left	23.33	/	/	14.68	/	/	<=34.77	Pass
		Inner_1RB_Right	23.36	/	/	14.71	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	704	Edge_1RB_Left	22.09	/	/	13.44	/	/	<=34.77	Pass
		Edge_1RB_Right	22.17	/	/	13.52	/	/	<=34.77	Pass
		Outer_Full	21.95	/	/	13.30	/	/	<=34.77	Pass
		Inner_Full	21.97	/	/	13.32	/	/	<=34.77	Pass
		Inner_1RB_Left	22.09	/	/	13.44	/	/	<=34.77	Pass
		Inner_1RB_Right	22.21	/	/	13.57	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.61	/	/	12.96	/	/	<=34.77	Pass
		Edge_1RB_Right	21.99	/	/	13.34	/	/	<=34.77	Pass
		Outer_Full	21.84	/	/	13.19	/	/	<=34.77	Pass
		Inner_Full	21.81	/	/	13.16	/	/	<=34.77	Pass
		Inner_1RB_Left	22.05	/	/	13.40	/	/	<=34.77	Pass
		Inner_1RB_Right	22.05	/	/	13.40	/	/	<=34.77	Pass
	711	Edge_1RB_Left	22.10	/	/	13.45	/	/	<=34.77	Pass
		Edge_1RB_Right	21.87	/	/	13.22	/	/	<=34.77	Pass
		Outer_Full	21.88	/	/	13.23	/	/	<=34.77	Pass
		Inner_Full	21.95	/	/	13.30	/	/	<=34.77	Pass
		Inner_1RB_Left	22.16	/	/	13.51	/	/	<=34.77	Pass
		Inner_1RB_Right	22.12	/	/	13.48	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	704	Edge_1RB_Left	19.89	/	/	11.24	/	/	<=34.77	Pass
		Edge_1RB_Right	20.01	/	/	11.36	/	/	<=34.77	Pass

		Outer_Full	19.98	/	/	11.33	/	/	<=34.77	Pass
		Inner_Full	19.91	/	/	11.26	/	/	<=34.77	Pass
		Inner_1RB_Left	19.97	/	/	11.32	/	/	<=34.77	Pass
		Inner_1RB_Right	20.07	/	/	11.42	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	19.97	/	/	11.32	/	/	<=34.77	Pass
		Edge_1RB_Right	20.05	/	/	11.40	/	/	<=34.77	Pass
		Outer_Full	19.84	/	/	11.19	/	/	<=34.77	Pass
		Inner_Full	19.81	/	/	11.16	/	/	<=34.77	Pass
	711	Inner_1RB_Left	19.95	/	/	11.30	/	/	<=34.77	Pass
		Inner_1RB_Right	19.94	/	/	11.29	/	/	<=34.77	Pass
		Edge_1RB_Left	19.96	/	/	11.31	/	/	<=34.77	Pass
		Edge_1RB_Right	20.01	/	/	11.36	/	/	<=34.77	Pass
		Outer_Full	19.93	/	/	11.28	/	/	<=34.77	Pass
		Inner_Full	19.84	/	/	11.19	/	/	<=34.77	Pass
		Inner_1RB_Left	19.98	/	/	11.33	/	/	<=34.77	Pass
		Inner_1RB_Right	20.06	/	/	11.41	/	/	<=34.77	Pass
CP-OFDM QPSK	704	Edge_1RB_Left	21.50	/	/	12.85	/	/	<=34.77	Pass
		Edge_1RB_Right	21.62	/	/	12.97	/	/	<=34.77	Pass
		Outer_Full	21.55	/	/	12.90	/	/	<=34.77	Pass
		Inner_Full	22.98	/	/	14.33	/	/	<=34.77	Pass
	707.5	Inner_1RB_Left	22.96	/	/	14.31	/	/	<=34.77	Pass
		Inner_1RB_Right	23.06	/	/	14.41	/	/	<=34.77	Pass
		Edge_1RB_Left	21.39	/	/	12.74	/	/	<=34.77	Pass
		Edge_1RB_Right	21.41	/	/	12.76	/	/	<=34.77	Pass
		Outer_Full	21.42	/	/	12.77	/	/	<=34.77	Pass
		Inner_Full	22.79	/	/	14.14	/	/	<=34.77	Pass
		Inner_1RB_Left	22.89	/	/	14.24	/	/	<=34.77	Pass
		Inner_1RB_Right	22.87	/	/	14.22	/	/	<=34.77	Pass
	711	Edge_1RB_Left	21.52	/	/	12.87	/	/	<=34.77	Pass
		Edge_1RB_Right	21.53	/	/	12.88	/	/	<=34.77	Pass
		Outer_Full	21.48	/	/	12.83	/	/	<=34.77	Pass
		Inner_Full	22.94	/	/	14.29	/	/	<=34.77	Pass
CP-OFDM 16 QAM	704	Inner_1RB_Left	23.01	/	/	14.36	/	/	<=34.77	Pass
		Inner_1RB_Right	22.98	/	/	14.33	/	/	<=34.77	Pass
		Edge_1RB_Left	21.32	/	/	12.68	/	/	<=34.77	Pass
		Edge_1RB_Right	21.39	/	/	12.74	/	/	<=34.77	Pass
		Outer_Full	21.47	/	/	12.82	/	/	<=34.77	Pass
		Inner_Full	22.42	/	/	13.77	/	/	<=34.77	Pass
	707.5	Inner_1RB_Left	22.27	/	/	13.62	/	/	<=34.77	Pass
		Inner_1RB_Right	22.43	/	/	13.78	/	/	<=34.77	Pass
		Edge_1RB_Left	21.16	/	/	12.51	/	/	<=34.77	Pass
		Edge_1RB_Right	21.23	/	/	12.58	/	/	<=34.77	Pass
		Outer_Full	21.30	/	/	12.65	/	/	<=34.77	Pass
		Inner_Full	22.25	/	/	13.60	/	/	<=34.77	Pass
	711	Inner_1RB_Left	22.23	/	/	13.58	/	/	<=34.77	Pass
		Inner_1RB_Right	22.27	/	/	13.62	/	/	<=34.77	Pass
		Edge_1RB_Left	21.26	/	/	12.61	/	/	<=34.77	Pass
		Edge_1RB_Right	21.60	/	/	12.95	/	/	<=34.77	Pass
		Outer_Full	21.41	/	/	12.76	/	/	<=34.77	Pass
		Inner_Full	22.39	/	/	13.74	/	/	<=34.77	Pass
CP-OFDM 64 QAM	704	Inner_1RB_Left	22.38	/	/	13.73	/	/	<=34.77	Pass
		Inner_1RB_Right	22.35	/	/	13.70	/	/	<=34.77	Pass
		Edge_1RB_Left	20.70	/	/	12.05	/	/	<=34.77	Pass
		Edge_1RB_Right	21.15	/	/	12.50	/	/	<=34.77	Pass
		Outer_Full	20.96	/	/	12.31	/	/	<=34.77	Pass
		Inner_Full	20.90	/	/	12.25	/	/	<=34.77	Pass
	707.5	Inner_1RB_Left	21.10	/	/	12.45	/	/	<=34.77	Pass
		Inner_1RB_Right	21.21	/	/	12.56	/	/	<=34.77	Pass
		Edge_1RB_Left	21.16	/	/	12.51	/	/	<=34.77	Pass
		Edge_1RB_Right	21.34	/	/	12.69	/	/	<=34.77	Pass
		Outer_Full	20.83	/	/	12.18	/	/	<=34.77	Pass
		Inner_Full	21.00	/	/	12.35	/	/	<=34.77	Pass
		Inner_1RB_Left	21.36	/	/	12.71	/	/	<=34.77	Pass
		Inner_1RB_Right	21.37	/	/	12.72	/	/	<=34.77	Pass

	711	Edge_1RB_Left	21.06	/	/	12.41	/	/	<=34.77	Pass
		Edge_1RB_Right	21.09	/	/	12.44	/	/	<=34.77	Pass
		Outer_Full	20.87	/	/	12.22	/	/	<=34.77	Pass
		Inner_Full	20.84	/	/	12.19	/	/	<=34.77	Pass
		Inner_1RB_Left	20.83	/	/	12.18	/	/	<=34.77	Pass
		Inner_1RB_Right	21.13	/	/	12.48	/	/	<=34.77	Pass
CP-OFDM 256 QAM	704	Edge_1RB_Left	17.90	/	/	9.25	/	/	<=34.77	Pass
		Edge_1RB_Right	18.06	/	/	9.41	/	/	<=34.77	Pass
		Outer_Full	18.03	/	/	9.38	/	/	<=34.77	Pass
		Inner_Full	17.87	/	/	9.22	/	/	<=34.77	Pass
		Inner_1RB_Left	17.93	/	/	9.28	/	/	<=34.77	Pass
		Inner_1RB_Right	18.07	/	/	9.42	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	18.10	/	/	9.45	/	/	<=34.77	Pass
		Edge_1RB_Right	18.16	/	/	9.51	/	/	<=34.77	Pass
		Outer_Full	18.11	/	/	9.46	/	/	<=34.77	Pass
		Inner_Full	18.00	/	/	9.35	/	/	<=34.77	Pass
		Inner_1RB_Left	18.20	/	/	9.55	/	/	<=34.77	Pass
		Inner_1RB_Right	18.19	/	/	9.54	/	/	<=34.77	Pass
	711	Edge_1RB_Left	17.99	/	/	9.34	/	/	<=34.77	Pass
		Edge_1RB_Right	17.99	/	/	9.34	/	/	<=34.77	Pass
		Outer_Full	17.94	/	/	9.29	/	/	<=34.77	Pass
		Inner_Full	17.84	/	/	9.19	/	/	<=34.77	Pass
		Inner_1RB_Left	17.98	/	/	9.33	/	/	<=34.77	Pass
		Inner_1RB_Right	18.02	/	/	9.37	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant0: -6.50dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.3 15_S_15M_NTNV_ERP

5G NR n12 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	706.5	Edge_1RB_Left	23.70	/	/	15.05	/	/	<=34.77	Pass
		Edge_1RB_Right	23.76	/	/	15.11	/	/	<=34.77	Pass
		Outer_Full	24.04	/	/	15.39	/	/	<=34.77	Pass
		Inner_Full	24.38	/	/	15.73	/	/	<=34.77	Pass
		Inner_1RB_Left	24.21	/	/	15.56	/	/	<=34.77	Pass
		Inner_1RB_Right	24.29	/	/	15.64	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.80	/	/	15.15	/	/	<=34.77	Pass
		Edge_1RB_Right	23.76	/	/	15.11	/	/	<=34.77	Pass
		Outer_Full	24.01	/	/	15.36	/	/	<=34.77	Pass
		Inner_Full	24.42	/	/	15.77	/	/	<=34.77	Pass
		Inner_1RB_Left	24.24	/	/	15.59	/	/	<=34.77	Pass
		Inner_1RB_Right	24.30	/	/	15.65	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	23.79	/	/	15.14	/	/	<=34.77	Pass
		Edge_1RB_Right	23.83	/	/	15.18	/	/	<=34.77	Pass
		Outer_Full	24.03	/	/	15.38	/	/	<=34.77	Pass
		Inner_Full	24.44	/	/	15.79	/	/	<=34.77	Pass
		Inner_1RB_Left	24.19	/	/	15.54	/	/	<=34.77	Pass
		Inner_1RB_Right	24.29	/	/	15.64	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	706.5	Edge_1RB_Left	23.23	/	/	14.58	/	/	<=34.77	Pass
		Edge_1RB_Right	23.30	/	/	14.65	/	/	<=34.77	Pass
		Outer_Full	23.50	/	/	14.85	/	/	<=34.77	Pass
		Inner_Full	24.50	/	/	15.85	/	/	<=34.77	Pass
		Inner_1RB_Left	24.27	/	/	15.62	/	/	<=34.77	Pass
		Inner_1RB_Right	24.37	/	/	15.72	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	23.25	/	/	14.60	/	/	<=34.77	Pass
		Edge_1RB_Right	23.34	/	/	14.69	/	/	<=34.77	Pass
		Outer_Full	23.54	/	/	14.89	/	/	<=34.77	Pass
		Inner_Full	24.43	/	/	15.78	/	/	<=34.77	Pass
		Inner_1RB_Left	24.34	/	/	15.69	/	/	<=34.77	Pass
		Inner_1RB_Right	24.39	/	/	15.74	/	/	<=34.77	Pass

	708.5	Edge_1RB_Left	23.33	/	/	14.68	/	/	<=34.77	Pass
		Edge_1RB_Right	23.36	/	/	14.71	/	/	<=34.77	Pass
		Outer_Full	23.55	/	/	14.90	/	/	<=34.77	Pass
		Inner_Full	24.47	/	/	15.82	/	/	<=34.77	Pass
		Inner_1RB_Left	24.38	/	/	15.73	/	/	<=34.77	Pass
		Inner_1RB_Right	24.42	/	/	15.77	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	706.5	Edge_1RB_Left	22.09	/	/	13.44	/	/	<=34.77	Pass
		Edge_1RB_Right	22.20	/	/	13.55	/	/	<=34.77	Pass
		Outer_Full	22.43	/	/	13.78	/	/	<=34.77	Pass
		Inner_Full	23.41	/	/	14.76	/	/	<=34.77	Pass
		Inner_1RB_Left	23.38	/	/	14.73	/	/	<=34.77	Pass
		Inner_1RB_Right	23.24	/	/	14.59	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.15	/	/	13.50	/	/	<=34.77	Pass
		Edge_1RB_Right	22.19	/	/	13.54	/	/	<=34.77	Pass
		Outer_Full	22.45	/	/	13.80	/	/	<=34.77	Pass
		Inner_Full	23.43	/	/	14.78	/	/	<=34.77	Pass
		Inner_1RB_Left	23.20	/	/	14.55	/	/	<=34.77	Pass
		Inner_1RB_Right	23.24	/	/	14.59	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	22.30	/	/	13.65	/	/	<=34.77	Pass
		Edge_1RB_Right	22.24	/	/	13.59	/	/	<=34.77	Pass
		Outer_Full	22.53	/	/	13.88	/	/	<=34.77	Pass
		Inner_Full	23.45	/	/	14.80	/	/	<=34.77	Pass
		Inner_1RB_Left	23.22	/	/	14.57	/	/	<=34.77	Pass
		Inner_1RB_Right	23.29	/	/	14.64	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	706.5	Edge_1RB_Left	21.87	/	/	13.22	/	/	<=34.77	Pass
		Edge_1RB_Right	22.21	/	/	13.56	/	/	<=34.77	Pass
		Outer_Full	21.96	/	/	13.31	/	/	<=34.77	Pass
		Inner_Full	22.16	/	/	13.51	/	/	<=34.77	Pass
		Inner_1RB_Left	21.82	/	/	13.17	/	/	<=34.77	Pass
		Inner_1RB_Right	22.15	/	/	13.50	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.96	/	/	13.31	/	/	<=34.77	Pass
		Edge_1RB_Right	22.03	/	/	13.38	/	/	<=34.77	Pass
		Outer_Full	21.96	/	/	13.31	/	/	<=34.77	Pass
		Inner_Full	22.02	/	/	13.37	/	/	<=34.77	Pass
		Inner_1RB_Left	21.99	/	/	13.34	/	/	<=34.77	Pass
		Inner_1RB_Right	22.02	/	/	13.37	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	21.97	/	/	13.32	/	/	<=34.77	Pass
		Edge_1RB_Right	22.00	/	/	13.35	/	/	<=34.77	Pass
		Outer_Full	21.98	/	/	13.33	/	/	<=34.77	Pass
		Inner_Full	22.07	/	/	13.42	/	/	<=34.77	Pass
		Inner_1RB_Left	21.78	/	/	13.13	/	/	<=34.77	Pass
		Inner_1RB_Right	22.07	/	/	13.42	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	706.5	Edge_1RB_Left	19.90	/	/	11.25	/	/	<=34.77	Pass
		Edge_1RB_Right	20.00	/	/	11.35	/	/	<=34.77	Pass
		Outer_Full	20.01	/	/	11.36	/	/	<=34.77	Pass
		Inner_Full	20.04	/	/	11.39	/	/	<=34.77	Pass
		Inner_1RB_Left	19.88	/	/	11.23	/	/	<=34.77	Pass
		Inner_1RB_Right	19.95	/	/	11.30	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	19.80	/	/	11.15	/	/	<=34.77	Pass
		Edge_1RB_Right	19.84	/	/	11.19	/	/	<=34.77	Pass
		Outer_Full	19.96	/	/	11.32	/	/	<=34.77	Pass
		Inner_Full	19.93	/	/	11.28	/	/	<=34.77	Pass
		Inner_1RB_Left	19.83	/	/	11.18	/	/	<=34.77	Pass
		Inner_1RB_Right	19.90	/	/	11.25	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	19.84	/	/	11.19	/	/	<=34.77	Pass
		Edge_1RB_Right	19.89	/	/	11.24	/	/	<=34.77	Pass
		Outer_Full	19.97	/	/	11.32	/	/	<=34.77	Pass
		Inner_Full	19.95	/	/	11.30	/	/	<=34.77	Pass
		Inner_1RB_Left	19.89	/	/	11.24	/	/	<=34.77	Pass
		Inner_1RB_Right	19.93	/	/	11.28	/	/	<=34.77	Pass
CP-OFDM QPSK	706.5	Edge_1RB_Left	21.52	/	/	12.87	/	/	<=34.77	Pass
		Edge_1RB_Right	21.52	/	/	12.87	/	/	<=34.77	Pass
		Outer_Full	21.76	/	/	13.11	/	/	<=34.77	Pass
		Inner_Full	23.06	/	/	14.41	/	/	<=34.77	Pass

		Inner_1RB_Left	22.94	/	/	14.29	/	/	<=34.77	Pass
		Inner_1RB_Right	23.05	/	/	14.40	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.33	/	/	12.68	/	/	<=34.77	Pass
		Edge_1RB_Right	21.45	/	/	12.80	/	/	<=34.77	Pass
		Outer_Full	21.51	/	/	12.86	/	/	<=34.77	Pass
		Inner_Full	22.91	/	/	14.26	/	/	<=34.77	Pass
		Inner_1RB_Left	22.67	/	/	14.02	/	/	<=34.77	Pass
		Inner_1RB_Right	22.90	/	/	14.25	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	21.52	/	/	12.87	/	/	<=34.77	Pass
		Edge_1RB_Right	21.48	/	/	12.83	/	/	<=34.77	Pass
		Outer_Full	21.72	/	/	13.07	/	/	<=34.77	Pass
		Inner_Full	23.00	/	/	14.35	/	/	<=34.77	Pass
		Inner_1RB_Left	22.99	/	/	14.34	/	/	<=34.77	Pass
		Inner_1RB_Right	22.95	/	/	14.30	/	/	<=34.77	Pass
CP-OFDM 16 QAM	706.5	Edge_1RB_Left	21.26	/	/	12.61	/	/	<=34.77	Pass
		Edge_1RB_Right	21.30	/	/	12.65	/	/	<=34.77	Pass
		Outer_Full	21.61	/	/	12.96	/	/	<=34.77	Pass
		Inner_Full	22.48	/	/	13.83	/	/	<=34.77	Pass
		Inner_1RB_Left	22.26	/	/	13.61	/	/	<=34.77	Pass
		Inner_1RB_Right	22.34	/	/	13.69	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.36	/	/	12.71	/	/	<=34.77	Pass
		Edge_1RB_Right	21.39	/	/	12.74	/	/	<=34.77	Pass
		Outer_Full	21.44	/	/	12.79	/	/	<=34.77	Pass
		Inner_Full	22.32	/	/	13.67	/	/	<=34.77	Pass
		Inner_1RB_Left	22.19	/	/	13.54	/	/	<=34.77	Pass
		Inner_1RB_Right	22.27	/	/	13.62	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	21.18	/	/	12.53	/	/	<=34.77	Pass
		Edge_1RB_Right	21.28	/	/	12.63	/	/	<=34.77	Pass
		Outer_Full	21.55	/	/	12.90	/	/	<=34.77	Pass
		Inner_Full	22.44	/	/	13.79	/	/	<=34.77	Pass
		Inner_1RB_Left	22.22	/	/	13.57	/	/	<=34.77	Pass
		Inner_1RB_Right	22.30	/	/	13.66	/	/	<=34.77	Pass
CP-OFDM 64 QAM	706.5	Edge_1RB_Left	20.95	/	/	12.30	/	/	<=34.77	Pass
		Edge_1RB_Right	21.03	/	/	12.38	/	/	<=34.77	Pass
		Outer_Full	21.03	/	/	12.38	/	/	<=34.77	Pass
		Inner_Full	21.10	/	/	12.45	/	/	<=34.77	Pass
		Inner_1RB_Left	21.00	/	/	12.35	/	/	<=34.77	Pass
		Inner_1RB_Right	21.09	/	/	12.44	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.95	/	/	12.30	/	/	<=34.77	Pass
		Edge_1RB_Right	20.95	/	/	12.30	/	/	<=34.77	Pass
		Outer_Full	20.96	/	/	12.31	/	/	<=34.77	Pass
		Inner_Full	20.99	/	/	12.34	/	/	<=34.77	Pass
		Inner_1RB_Left	20.94	/	/	12.29	/	/	<=34.77	Pass
		Inner_1RB_Right	21.04	/	/	12.39	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	20.98	/	/	12.34	/	/	<=34.77	Pass
		Edge_1RB_Right	21.06	/	/	12.41	/	/	<=34.77	Pass
		Outer_Full	21.01	/	/	12.36	/	/	<=34.77	Pass
		Inner_Full	21.04	/	/	12.39	/	/	<=34.77	Pass
		Inner_1RB_Left	21.02	/	/	12.37	/	/	<=34.77	Pass
		Inner_1RB_Right	21.10	/	/	12.45	/	/	<=34.77	Pass
CP-OFDM 256 QAM	706.5	Edge_1RB_Left	17.85	/	/	9.20	/	/	<=34.77	Pass
		Edge_1RB_Right	17.93	/	/	9.28	/	/	<=34.77	Pass
		Outer_Full	18.04	/	/	9.39	/	/	<=34.77	Pass
		Inner_Full	18.05	/	/	9.40	/	/	<=34.77	Pass
		Inner_1RB_Left	17.88	/	/	9.23	/	/	<=34.77	Pass
		Inner_1RB_Right	17.83	/	/	9.18	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	17.84	/	/	9.19	/	/	<=34.77	Pass
		Edge_1RB_Right	17.87	/	/	9.22	/	/	<=34.77	Pass
		Outer_Full	18.03	/	/	9.38	/	/	<=34.77	Pass
		Inner_Full	17.95	/	/	9.30	/	/	<=34.77	Pass
		Inner_1RB_Left	17.88	/	/	9.23	/	/	<=34.77	Pass
		Inner_1RB_Right	17.74	/	/	9.09	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	17.87	/	/	9.22	/	/	<=34.77	Pass
		Edge_1RB_Right	17.83	/	/	9.18	/	/	<=34.77	Pass

		Outer_Full	18.01	/	/	9.36	/	/	<=34.77	Pass
		Inner_Full	17.95	/	/	9.30	/	/	<=34.77	Pass
		Inner_1RB_Left	17.89	/	/	9.24	/	/	<=34.77	Pass
		Inner_1RB_Right	17.93	/	/	9.28	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant0: -6.50dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15_S_15M

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 QPSK	707.5	Outer_Full	20	LV	-2.53	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-2.52	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-2.26	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-0.76	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-3.25	-0.0046	>=-2.5 & <=2.5	Pass
			0	NV	-2.93	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-1.27	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-2.93	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-2.65	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-3.21	-0.0045	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15_S_5M_NTNV

5G NR n12 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	707.5	Outer_Full	4.49	4.94	/	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	4.53	4.99	/	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	4.55	5.02	/	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	4.57	5.00	/	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	4.56	5.01	/	Pass
CP-OFDM QPSK	707.5	Outer_Full	4.52	4.98	/	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	4.52	4.93	/	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	4.50	4.96	/	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	4.53	4.93	/	Pass

3.1.2 15_S_10M_NTNV

5G NR n12 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	707.5	Outer_Full	9.02	9.77	/	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	9.06	9.73	/	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	9.04	9.69	/	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	9.06	9.72	/	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	9.07	9.72	/	Pass

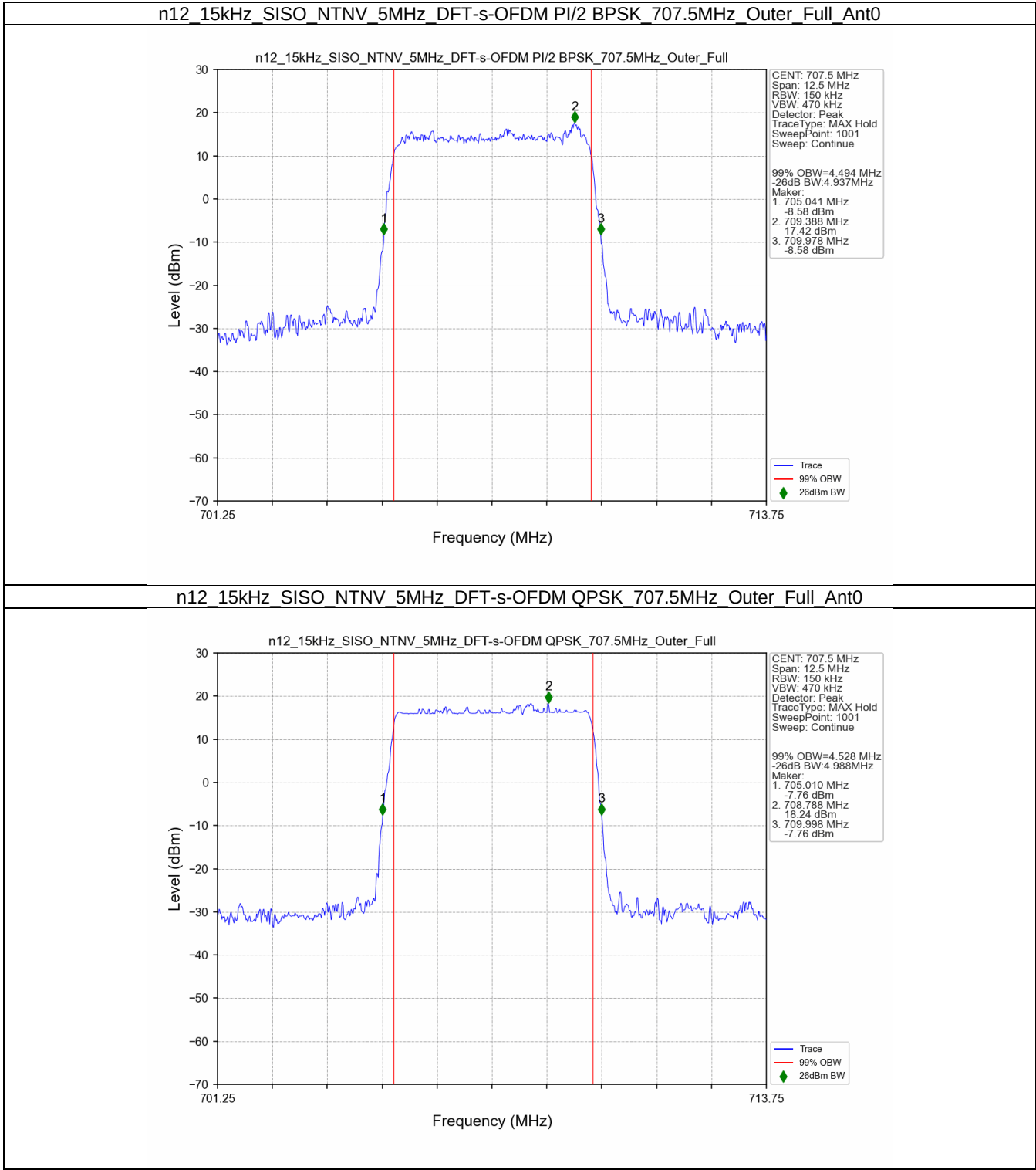
CP-OFDM QPSK	707.5	Outer_Full	9.37	10.05	/	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	9.41	10.12	/	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	9.36	10.07	/	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	9.37	10.09	/	Pass

3.1.3 15_S_15M_NTNV

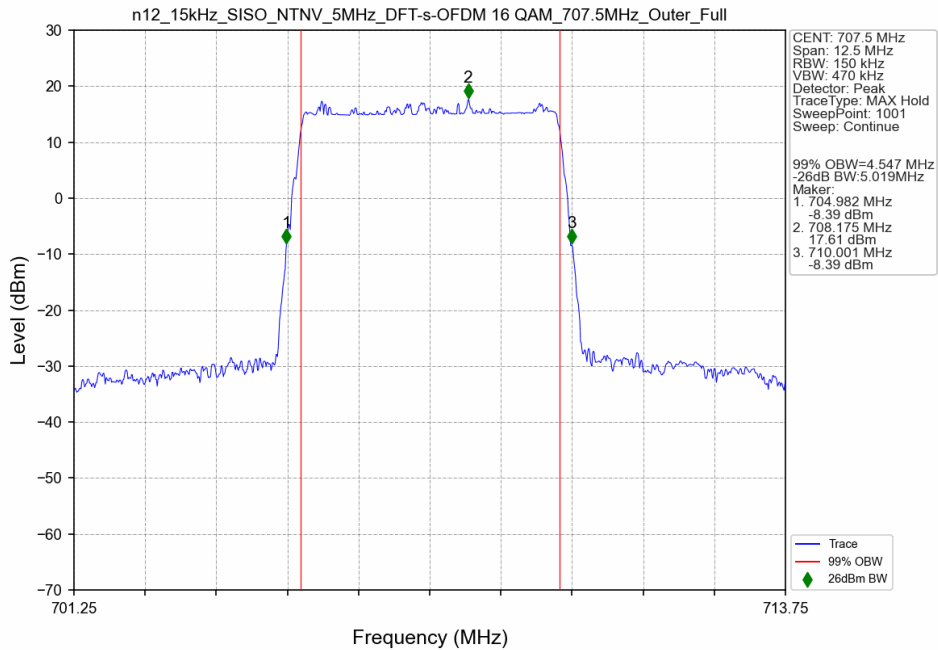
5G NR n12 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	707.5	Outer_Full	13.55	14.54	/	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	13.55	14.61	/	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	13.59	14.59	/	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	13.61	14.56	/	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	13.60	14.60	/	Pass
CP-OFDM QPSK	707.5	Outer_Full	14.26	15.29	/	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	14.26	15.30	/	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	14.25	15.26	/	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	14.25	15.26	/	Pass

3.2 Test Graph

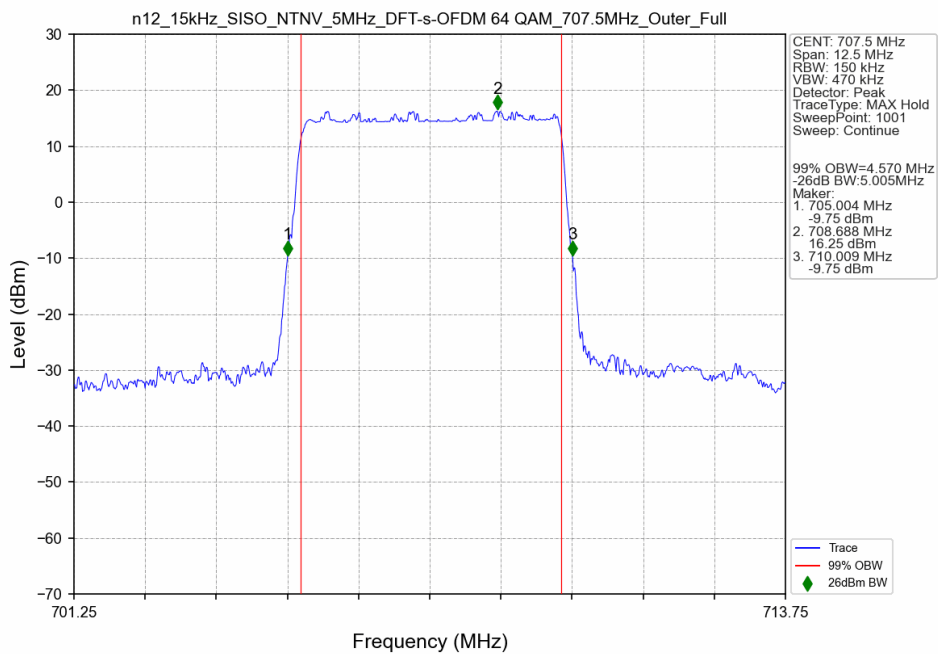
3.2.1 15_S_5M_NTNV



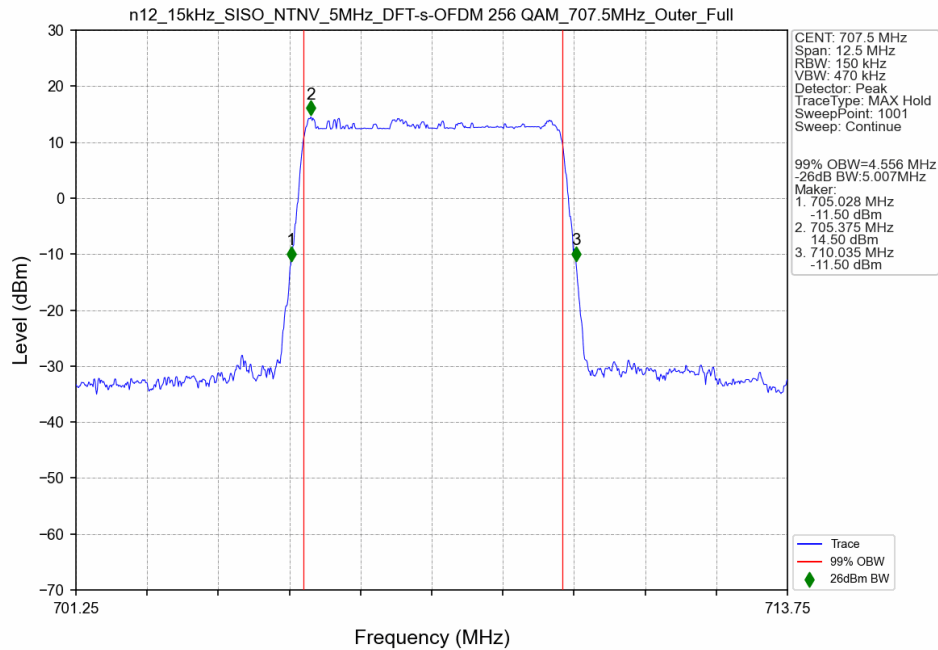
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16 QAM_707.5MHz_Outer_Full_Ant0



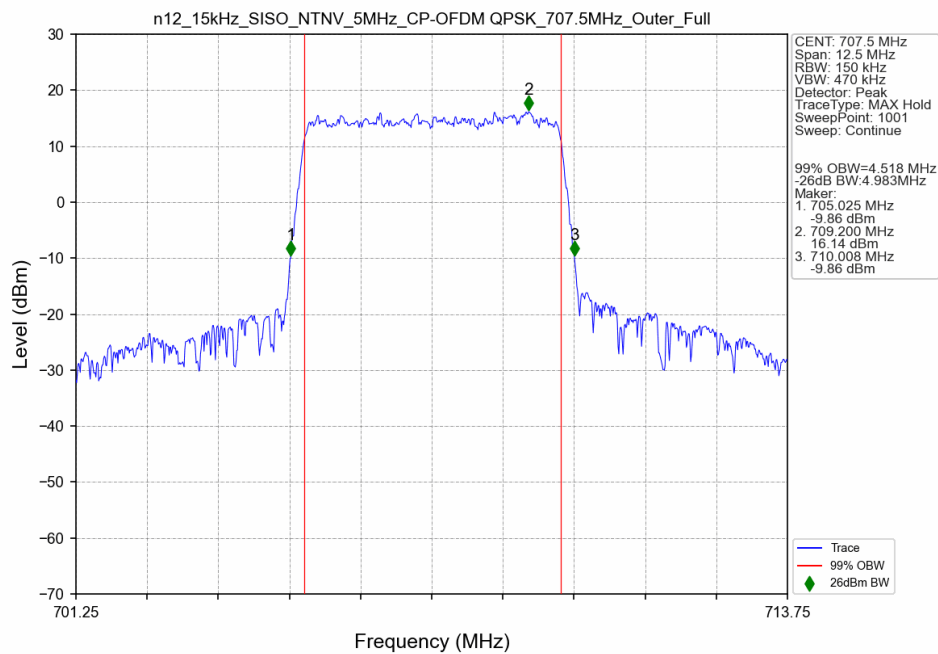
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64 QAM_707.5MHz_Outer_Full_Ant0



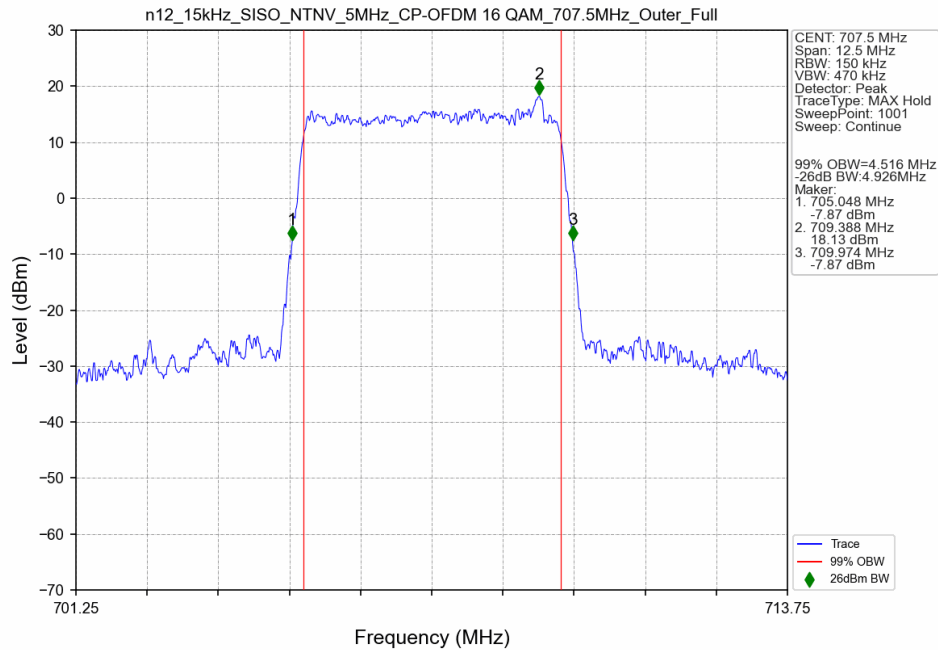
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM 707.5MHz_Outer_Full_Ant0



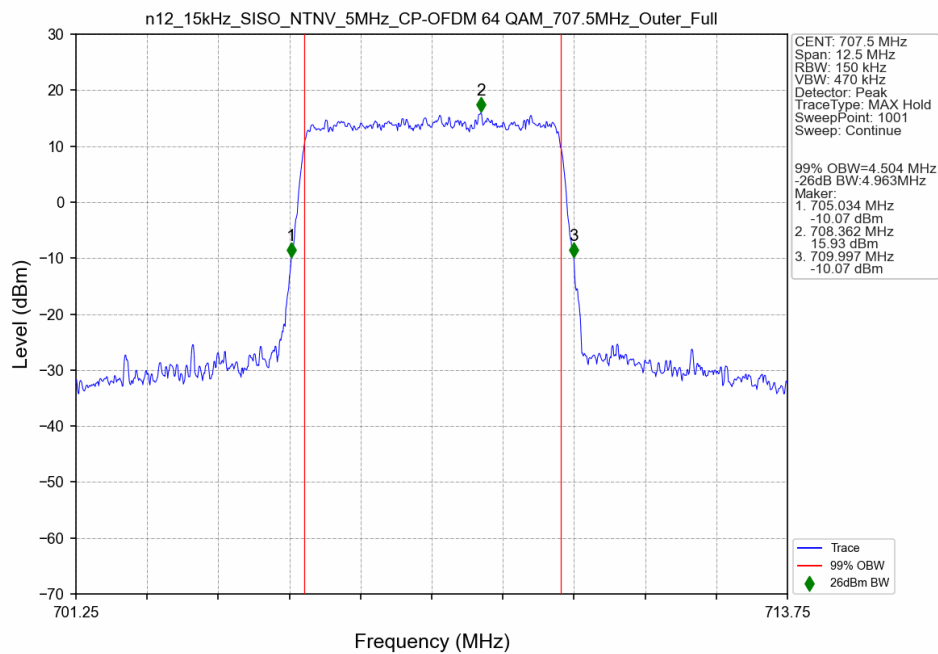
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK 707.5MHz_Outer_Full_Ant0

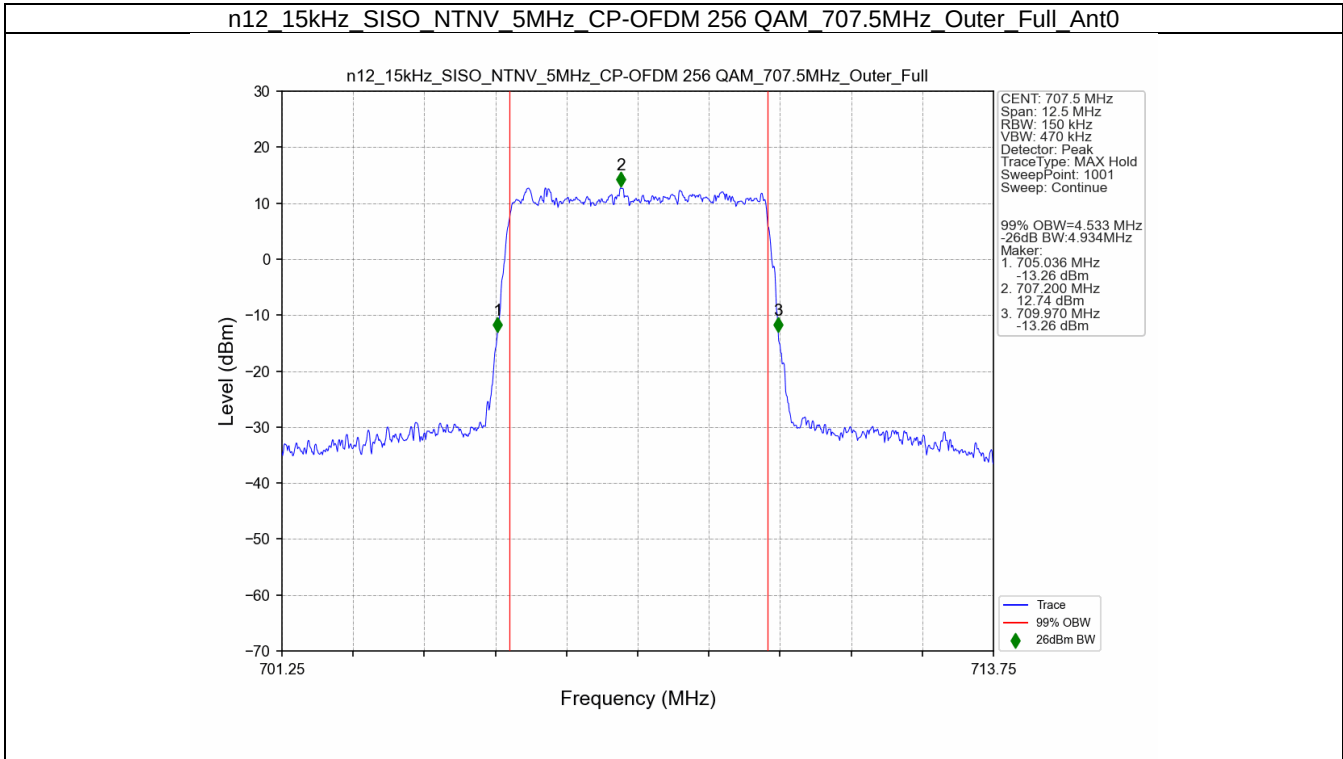


n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 707.5MHz_Outer_Full_Ant0

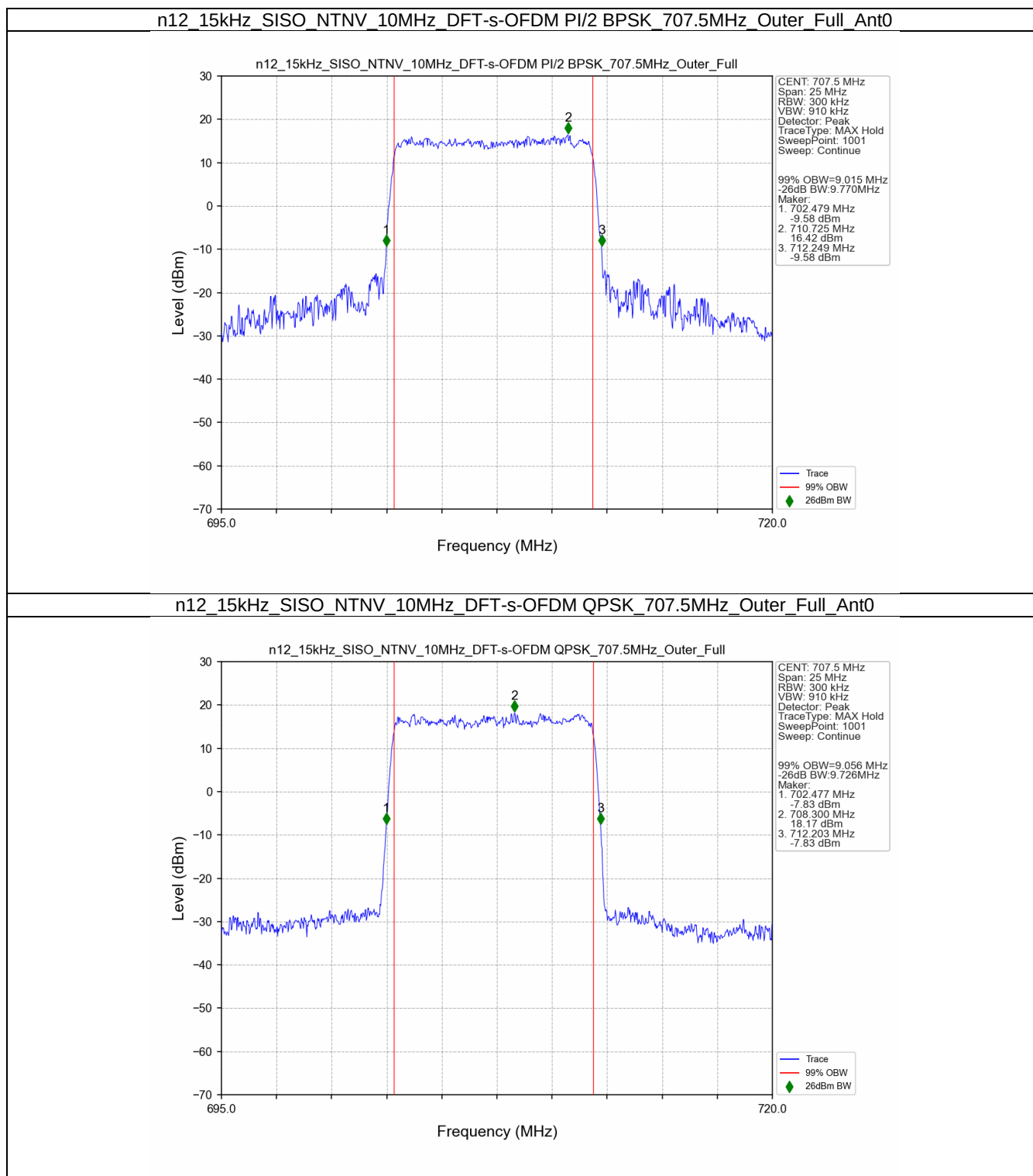


n12_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 707.5MHz_Outer_Full_Ant0

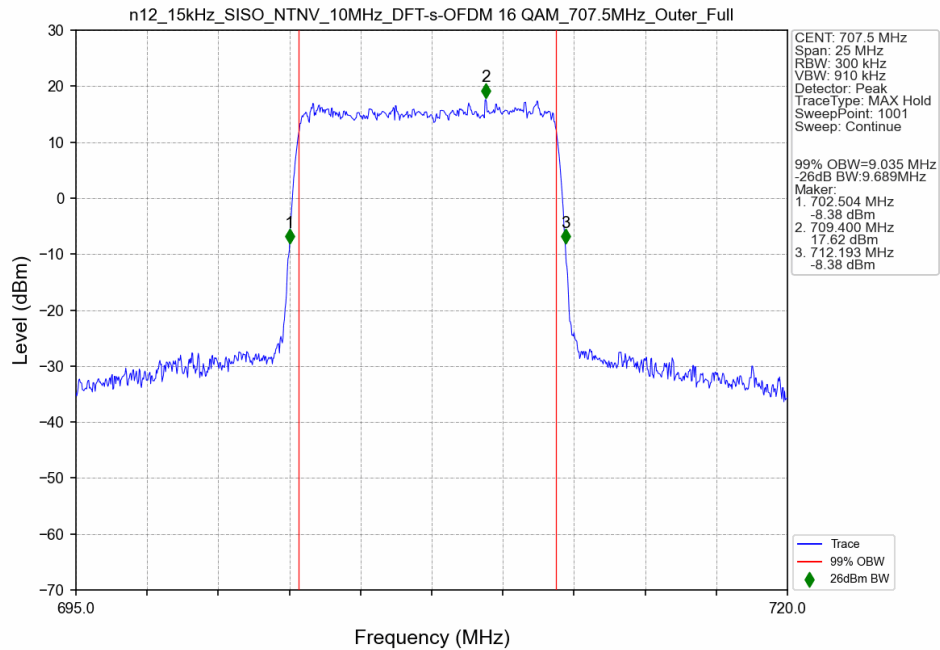




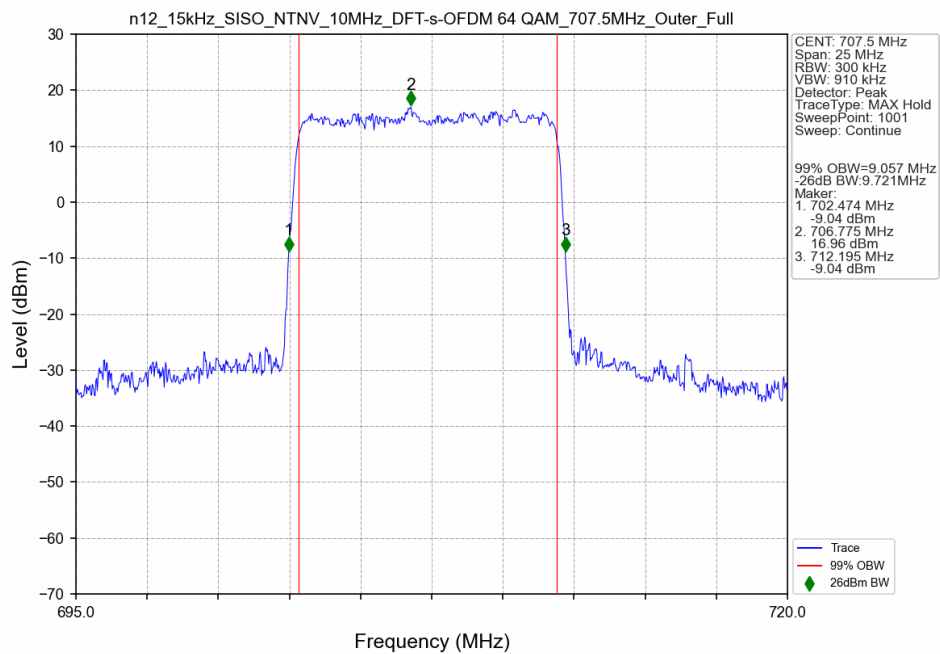
3.2.2 15_S_10M_NTNV



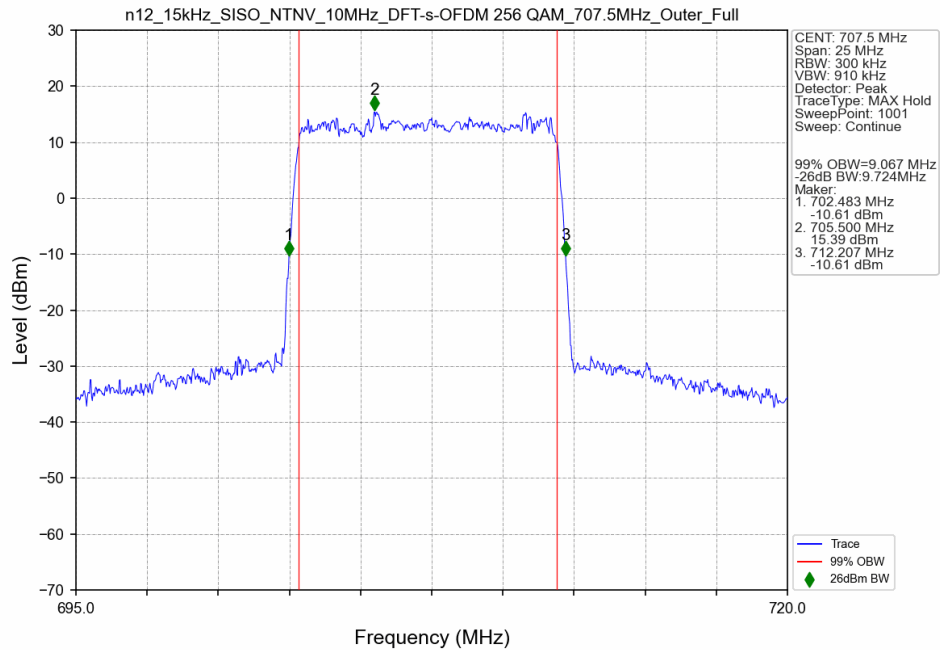
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full_Ant0



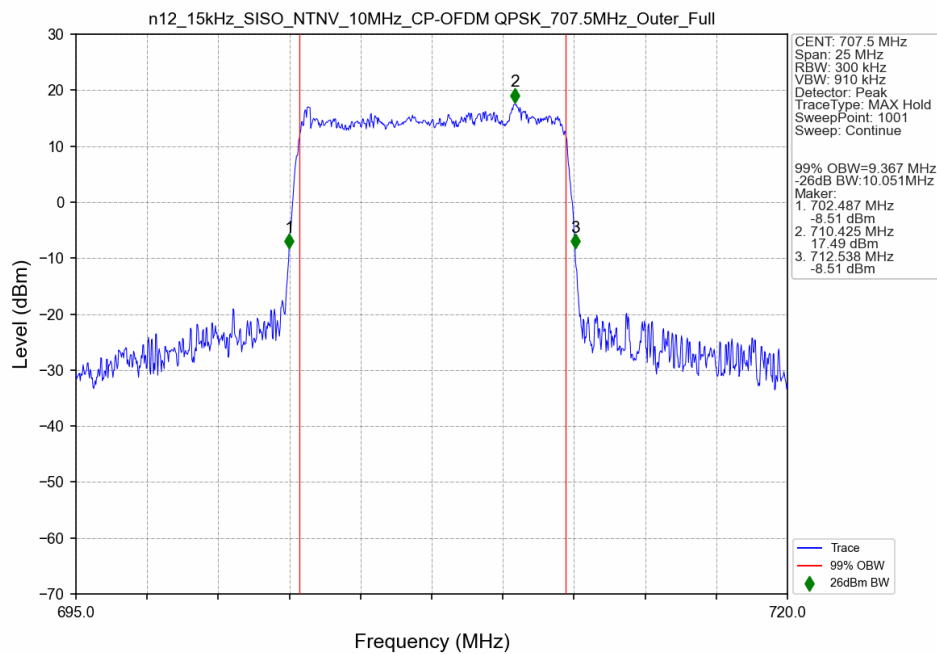
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full_Ant0



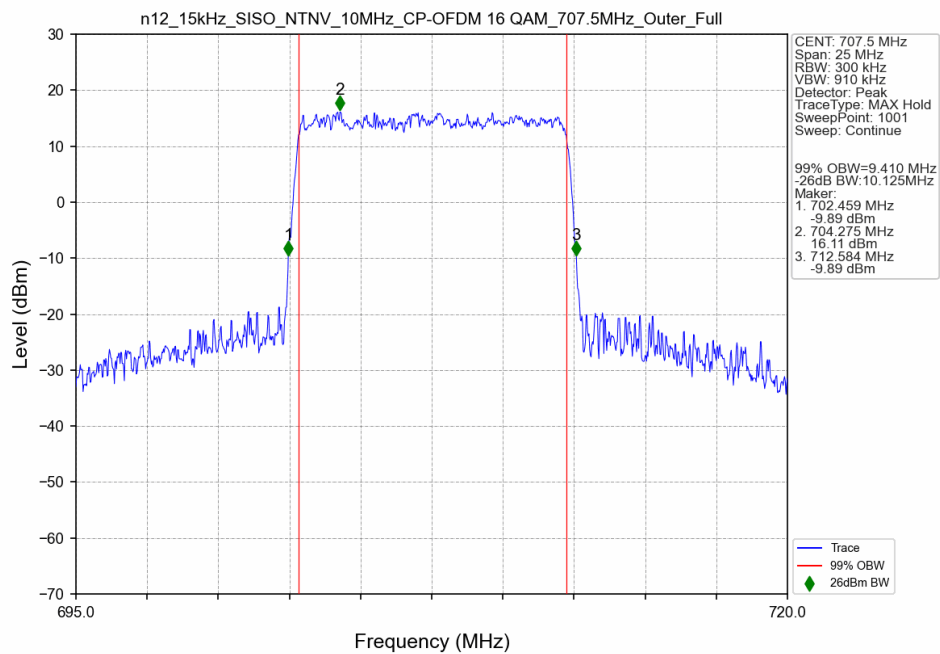
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full_Ant0



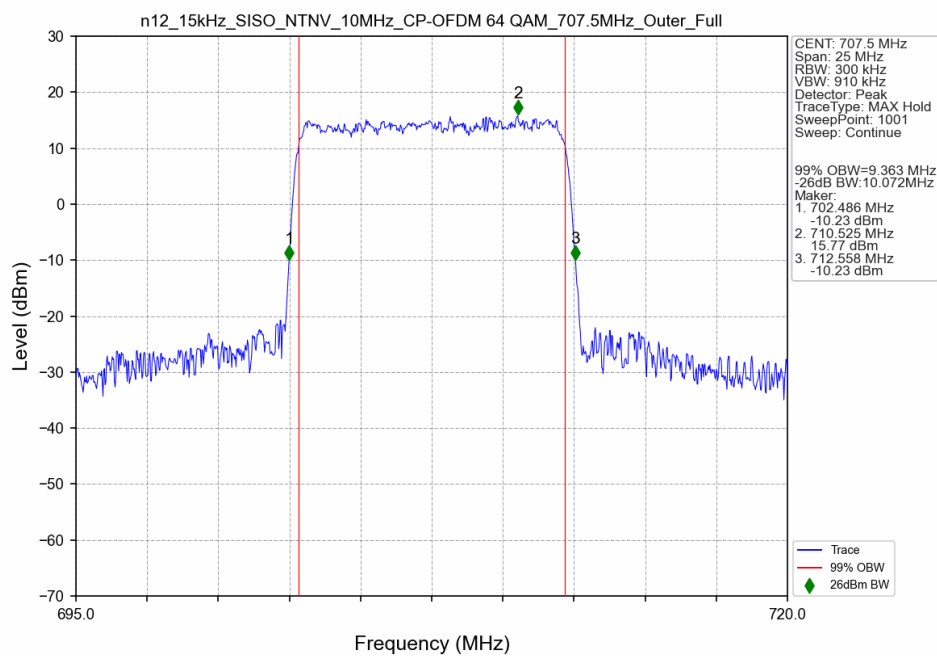
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_707.5MHz_Outer_Full_Ant0

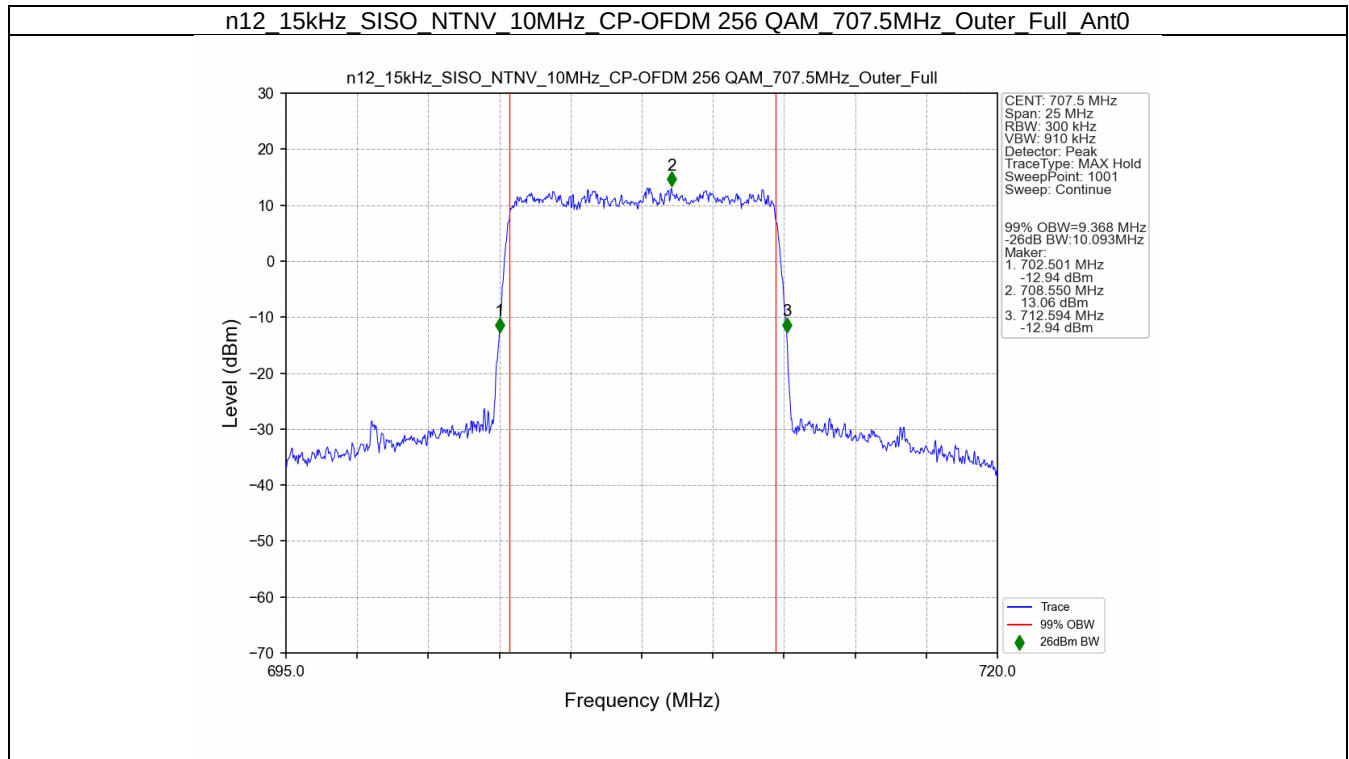


n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 707.5MHz_Outer_Full_Ant0

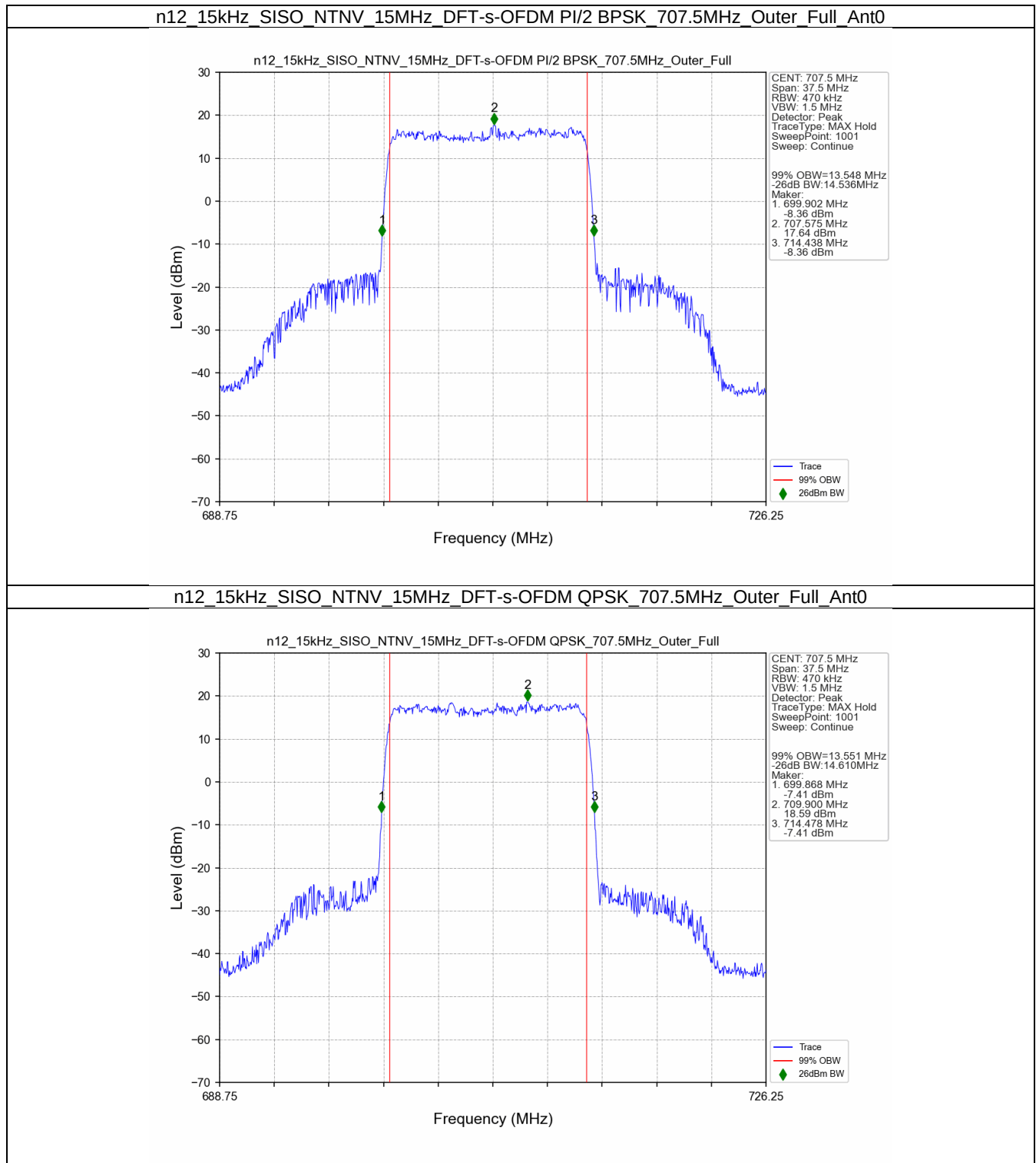


n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 707.5MHz_Outer_Full_Ant0

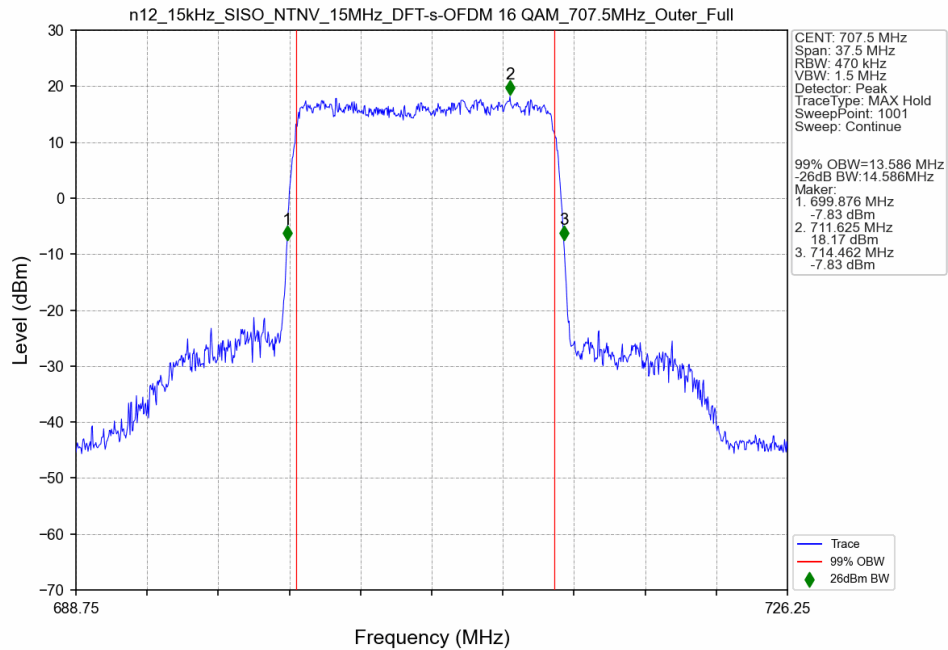




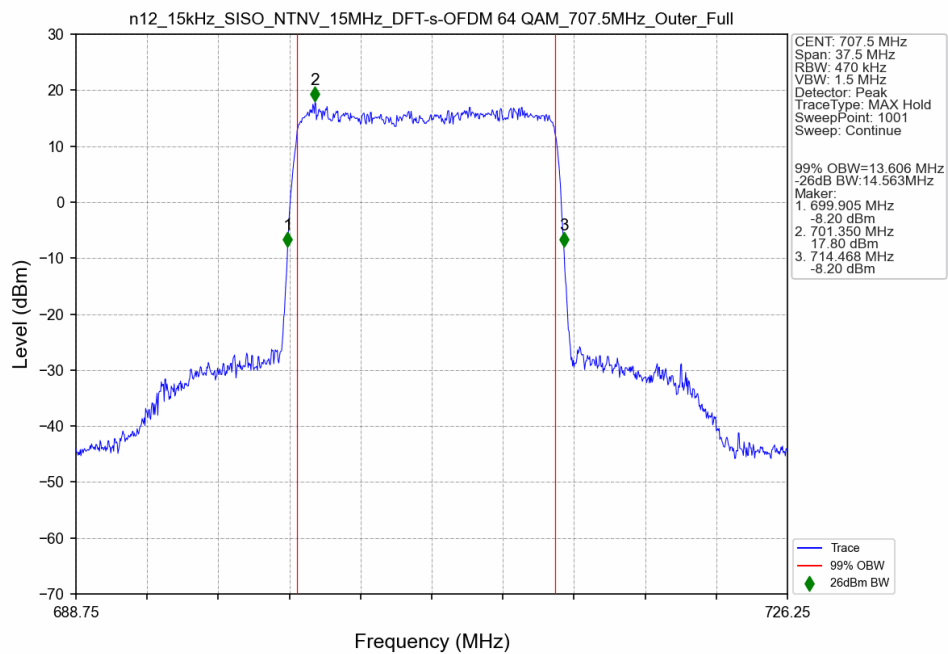
3.2.3 15_S_15M_NTNV



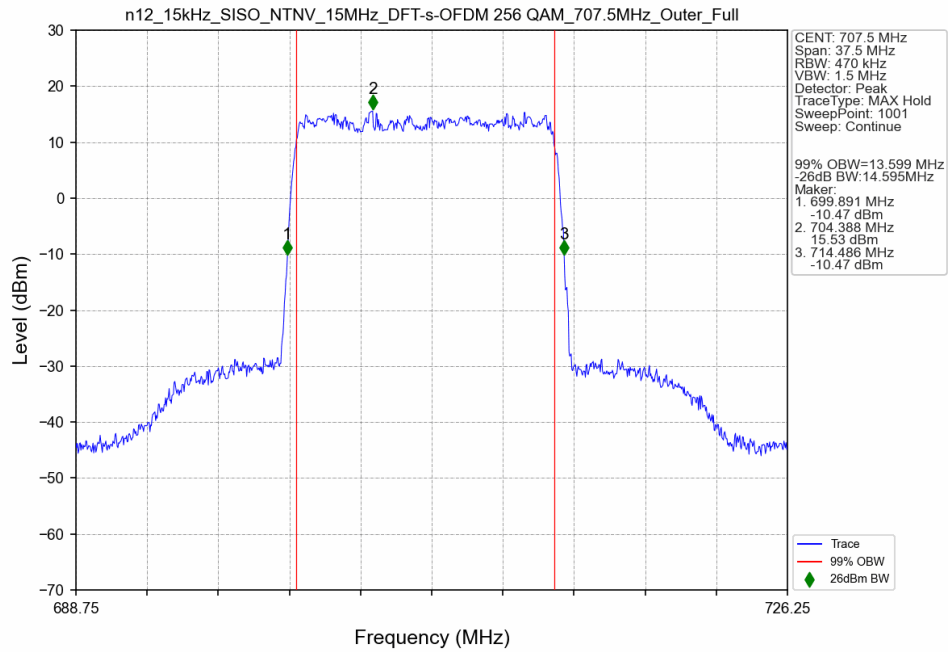
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full_Ant0



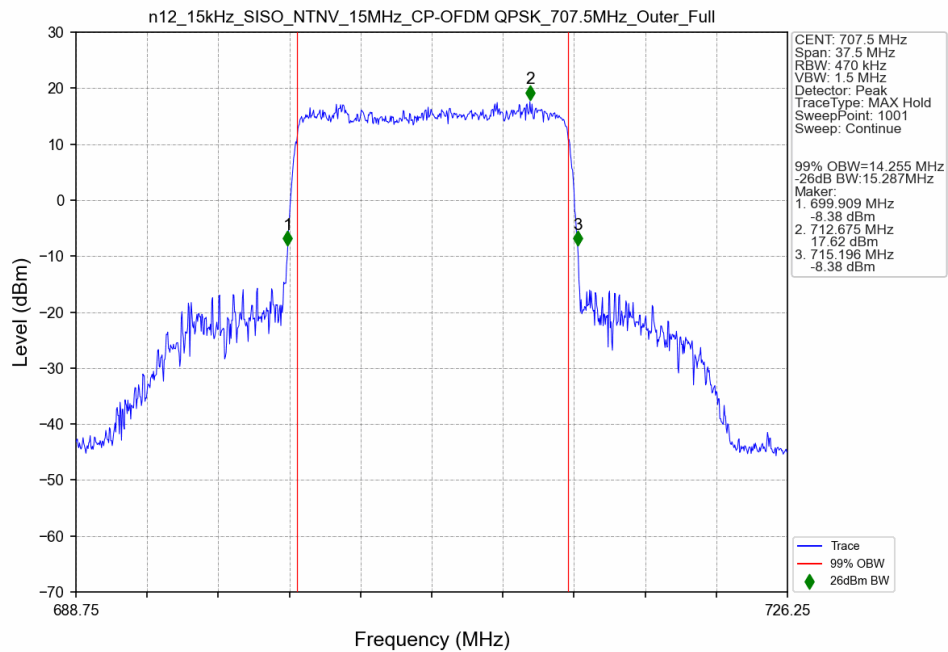
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_707.5MHz_Outer_Full_Ant0



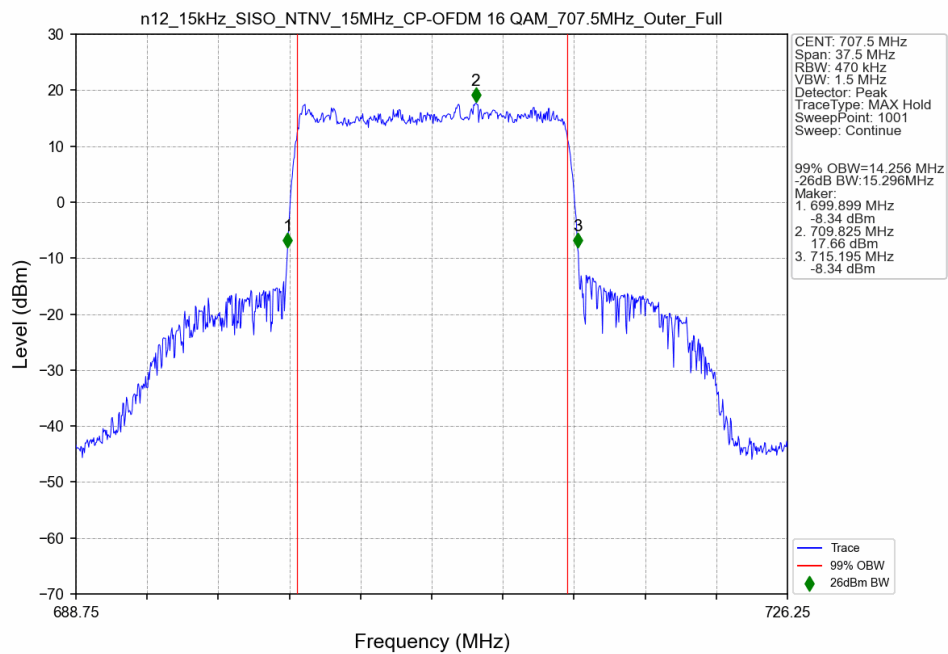
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full_Ant0



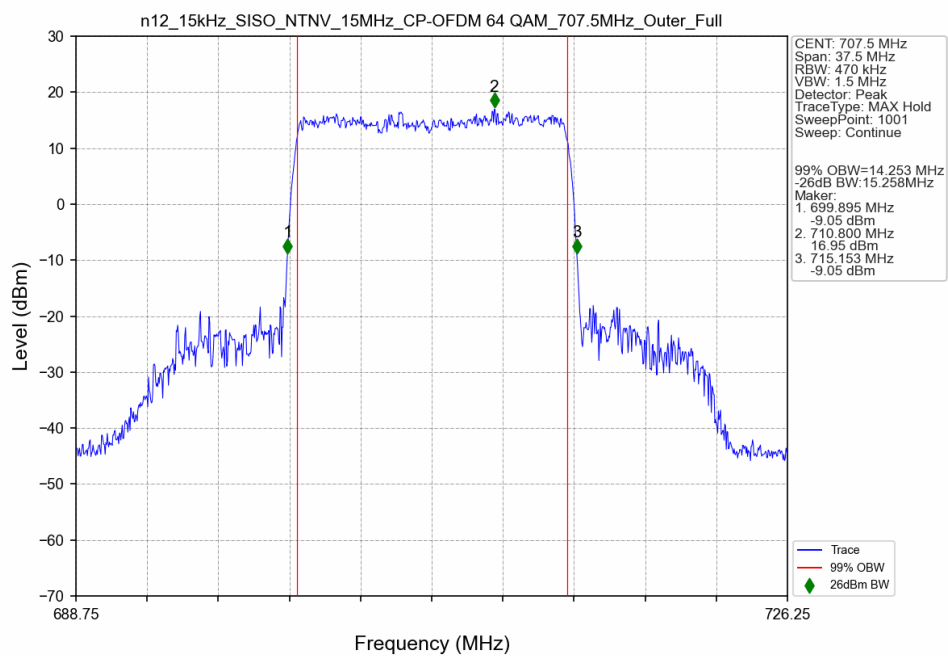
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Outer_Full_Ant0

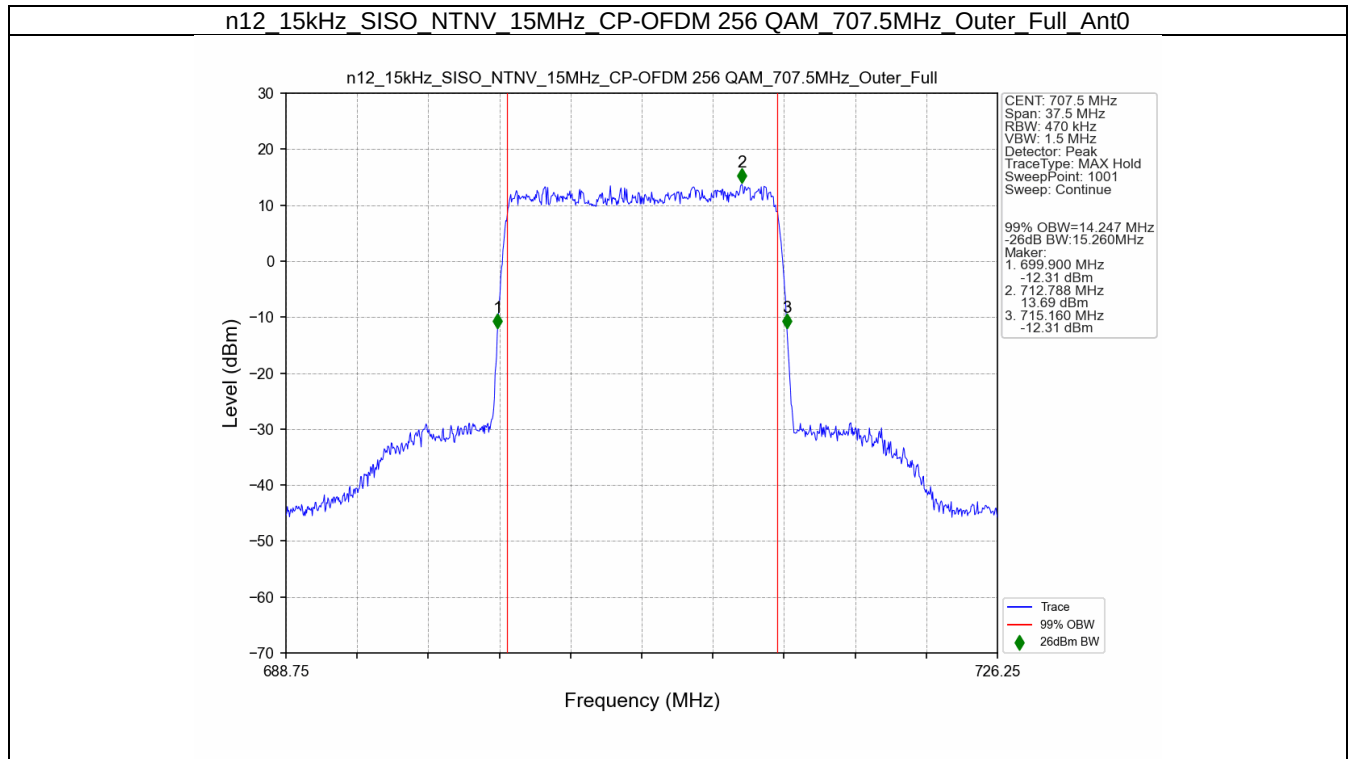


n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full_Ant0



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full_Ant0





4. Peak-Average Ratio

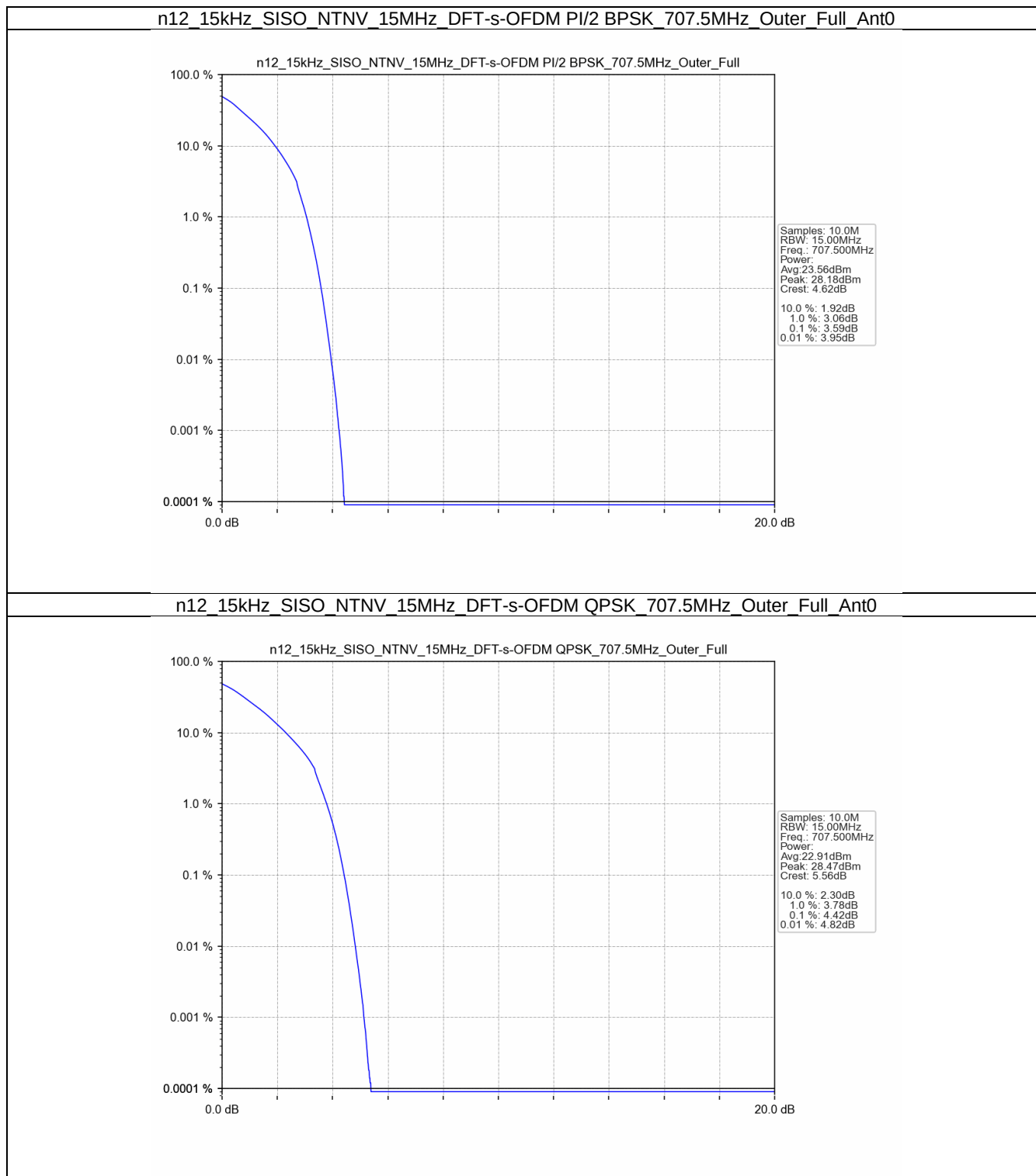
4.1 Test Result

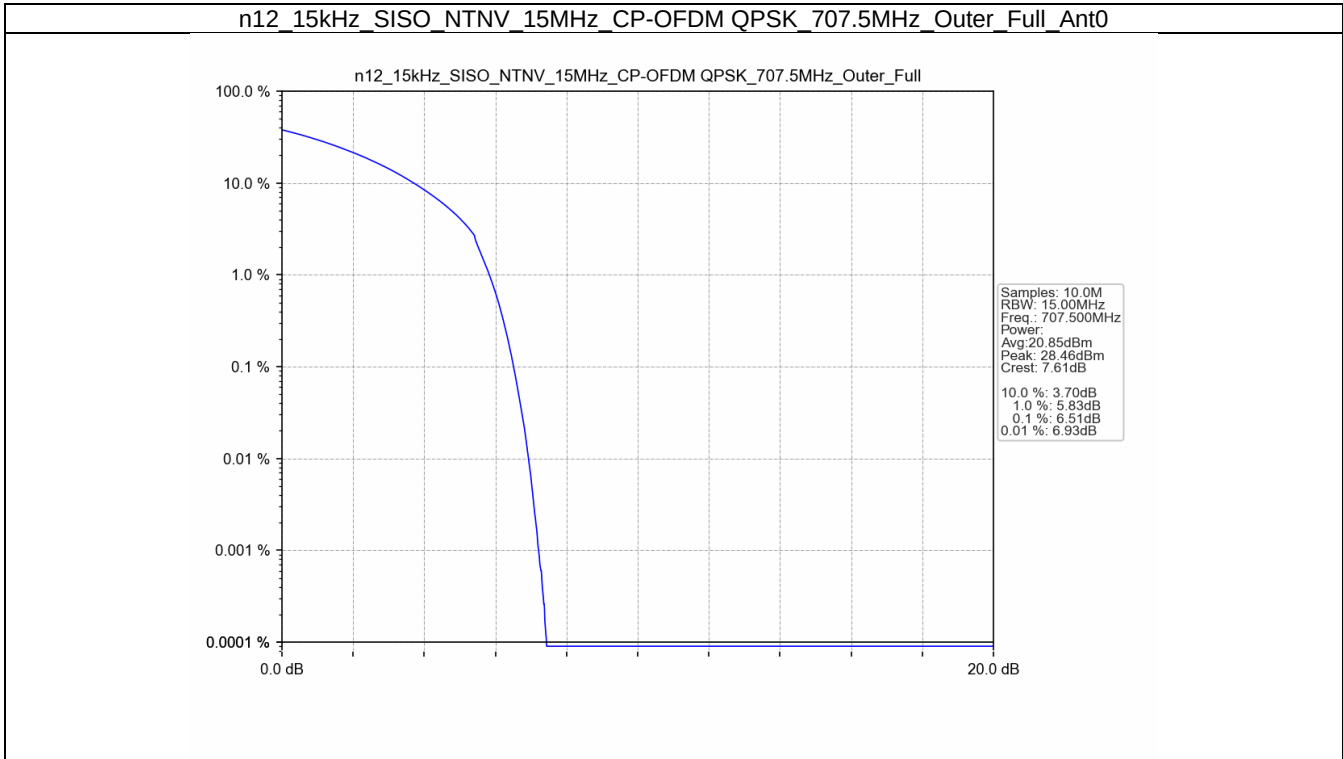
4.1.1 15_S_15M_NTNV

5G NR n12 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	707.5	Outer_Full	3.59	/	/	<=13	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	4.42	/	/	<=13	Pass
CP-OFDM QPSK	707.5	Outer_Full	6.51	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15_S_15M_NTNV





5. Spurious Emission

5.1 Test Result

5.1.1 15_S_5M_NTNV

5G NR n12 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	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
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		713.5	Edge_1RB_Right	Refer To Test Graph			
			Outer_Full	Refer To Test Graph			
	DFT-s-OFDM QPSK	701.5	Edge_1RB_Left	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
707.5		Edge_1RB_Left	Refer To Test Graph				Pass
		713.5	Edge_1RB_Right	Refer To Test Graph			
			Outer_Full	Refer To Test Graph			
CP-OFDM QPSK		701.5	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		713.5	Edge_1RB_Right	Refer To Test Graph			
			Outer_Full	Refer To Test Graph			

5.1.2 15_S_10M_NTNV

5G NR n12 SCS=15kHz SISO 10MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	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
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		711	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	DFT-s-OFDM QPSK	704	Edge_1RB_Left	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
707.5		Edge_1RB_Left	Refer To Test Graph				Pass
		711	Edge_1RB_Right	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
CP-OFDM QPSK		704	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		711	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass

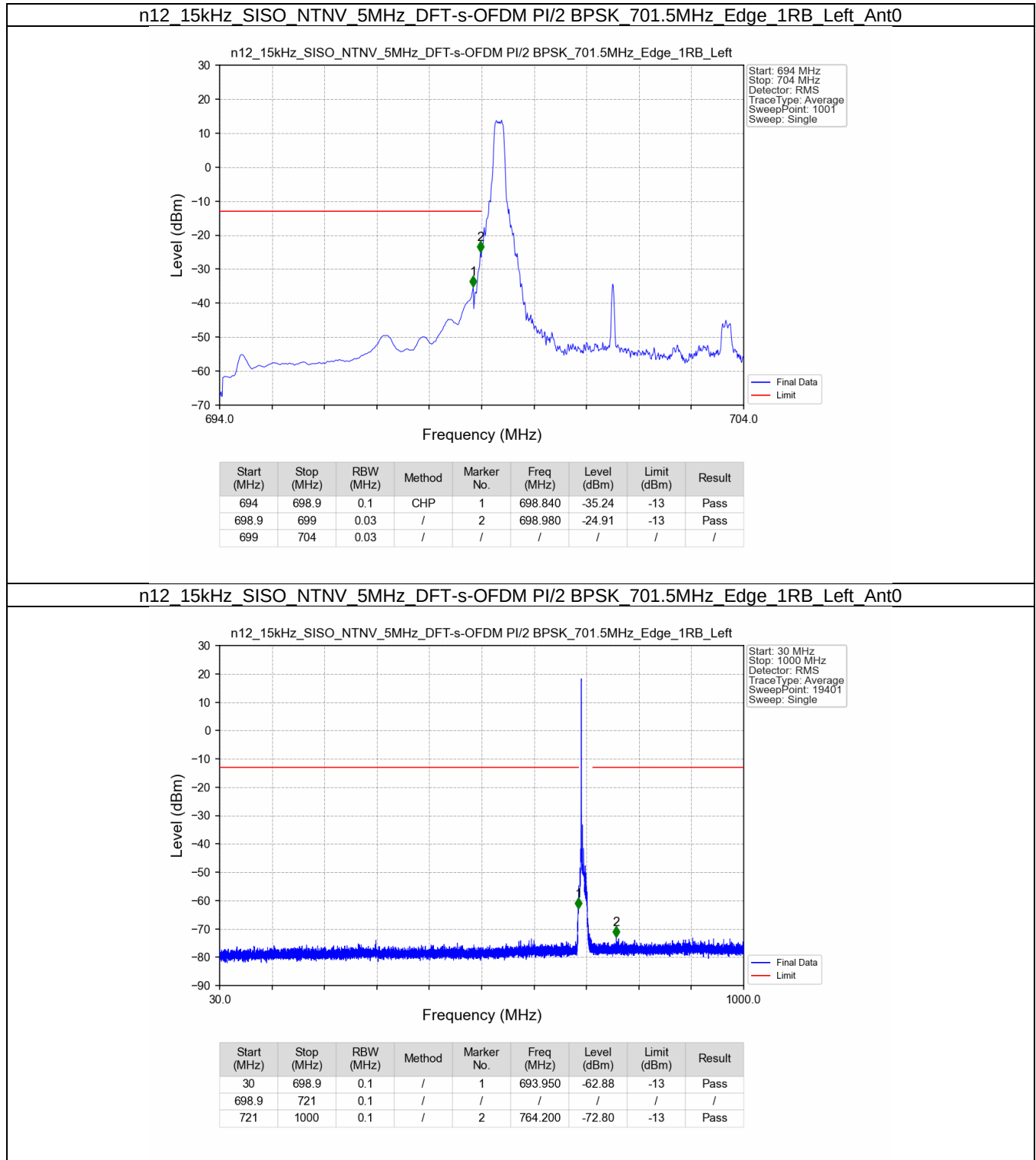
5.1.3 15_S_15M_NTNV

5G NR n12 SCS=15kHz SISO 15MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant0	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
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	708.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass

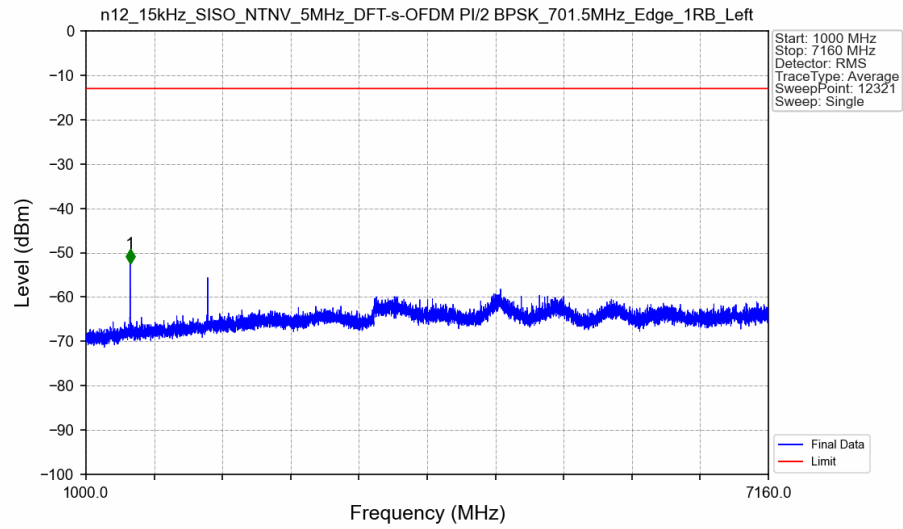
		Outer_Full	Refer To Test Graph	Pass
	707.5	Edge_1RB_Left	Refer To Test Graph	Pass
	708.5	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
CP-OFDM QPSK	706.5	Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
	707.5	Edge_1RB_Left	Refer To Test Graph	Pass
	708.5	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass

5.2 Test Graph

5.2.1 15_S_5M_NTNV

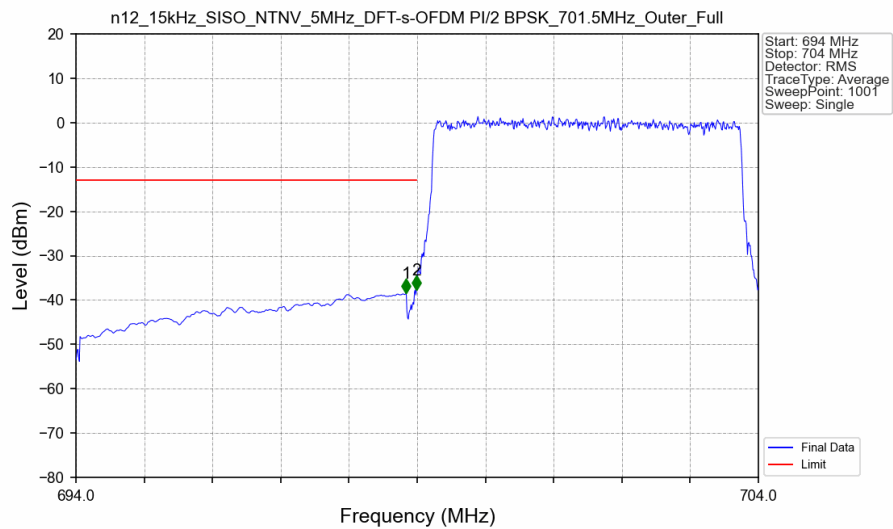


n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK 701.5MHz_Edge_1RB_Left_Ant0

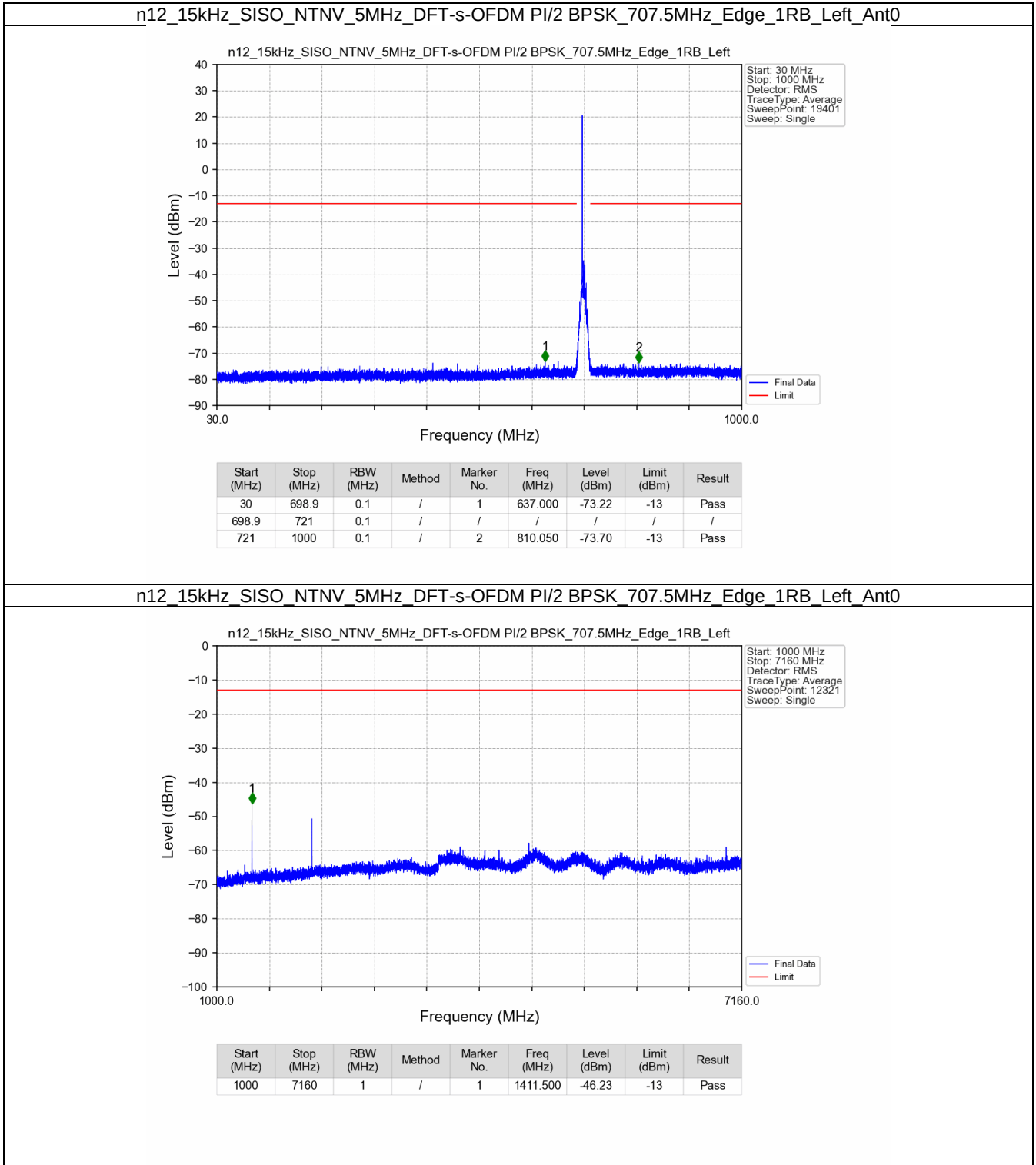


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1399.500	-52.37	-13	Pass

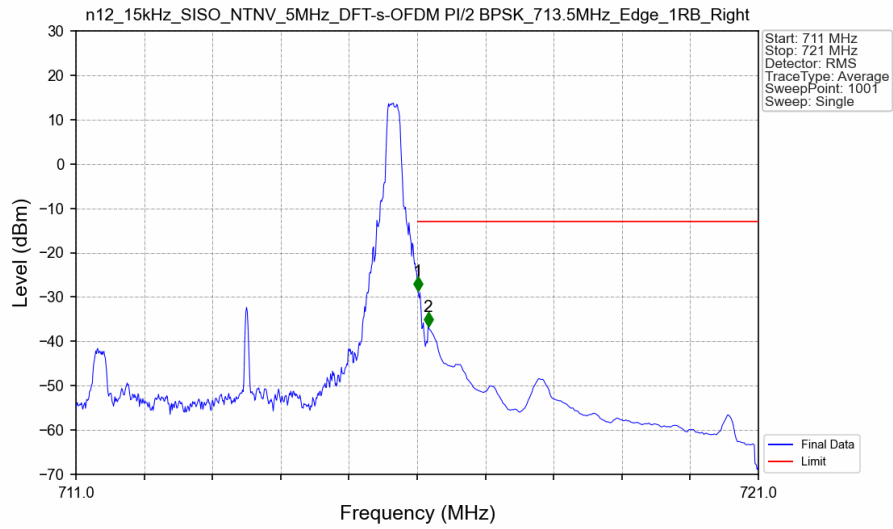
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK 701.5MHz_Outer_Full_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-38.45	-13	Pass
698.9	699	0.03	/	2	698.990	-37.72	-13	Pass
699	704	0.03	/	/	/	/	/	/

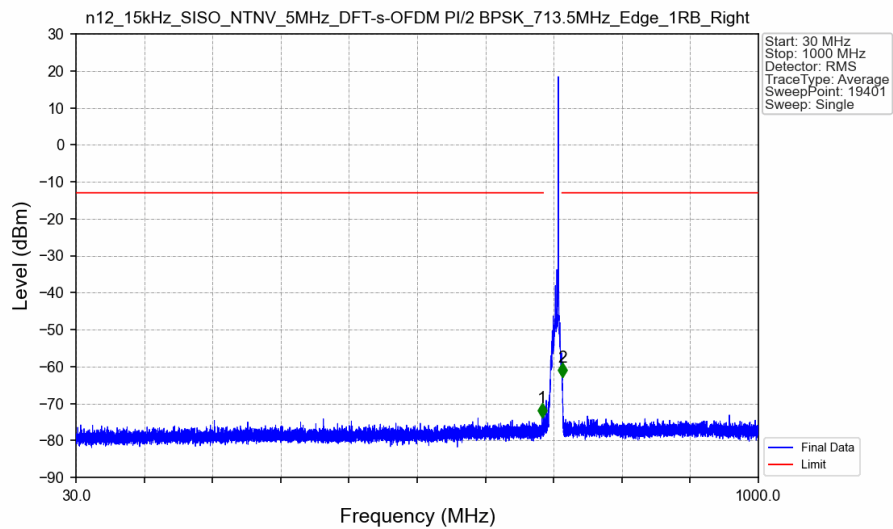


n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Edge_1RB_Right_Ant0



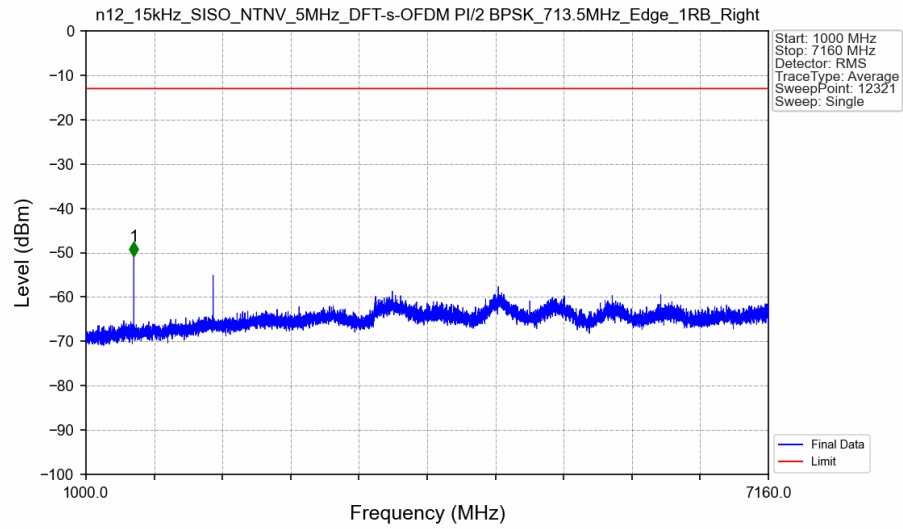
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-28.57	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.58	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Edge_1RB_Right_Ant0



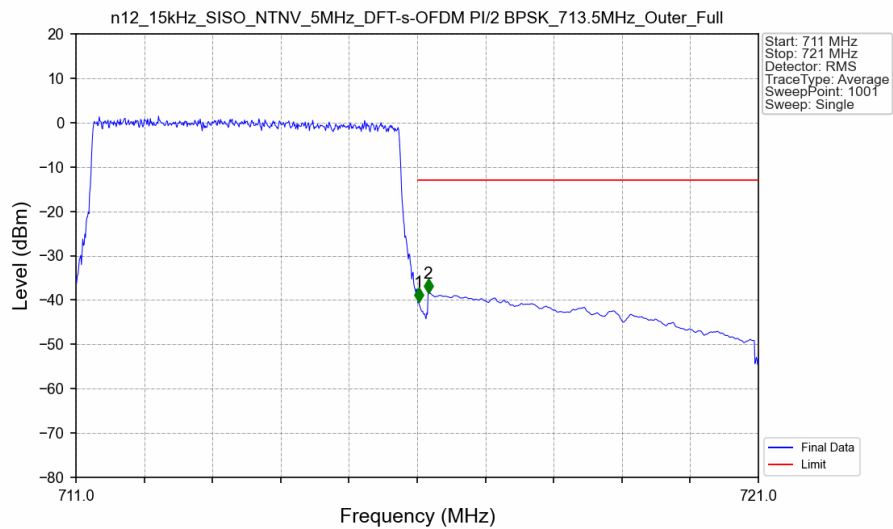
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	692.550	-73.87	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	721.100	-62.94	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Edge_1RB_Right_Ant0



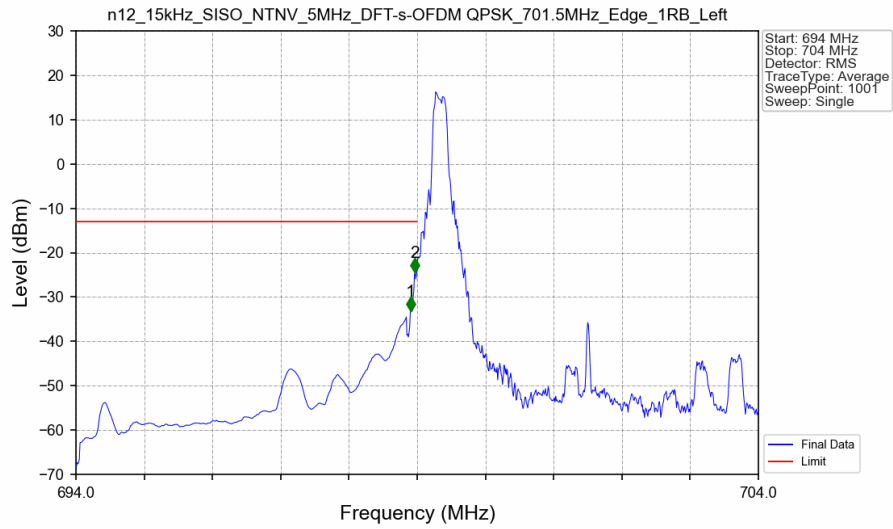
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1432.000	-50.79	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Outer_Full_Ant0



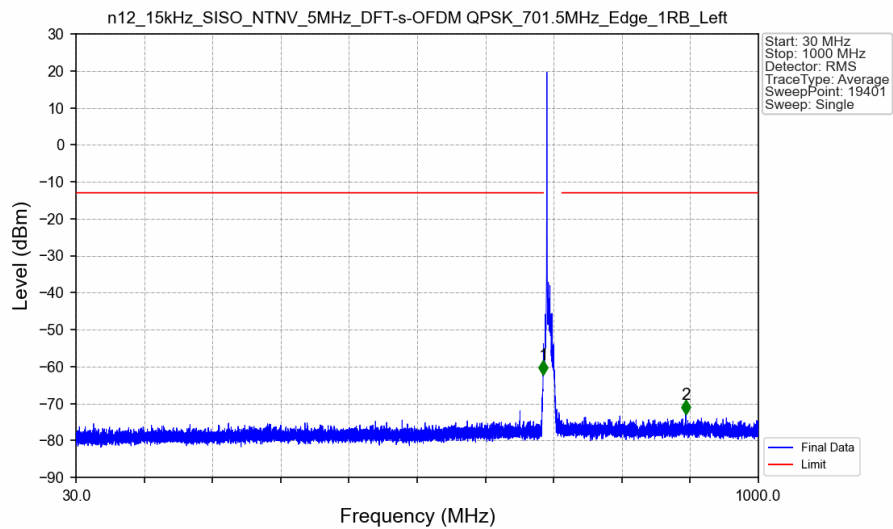
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-40.50	-13	Pass
716.1	721	0.1	CHP	2	716.160	-38.33	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant0



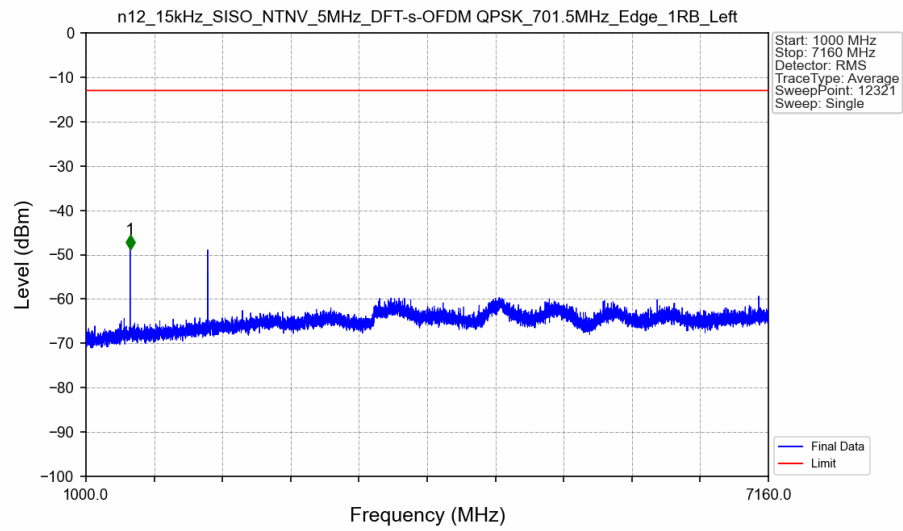
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.900	-33.10	-13	Pass
698.9	699	0.03	/	2	698.970	-24.34	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant0



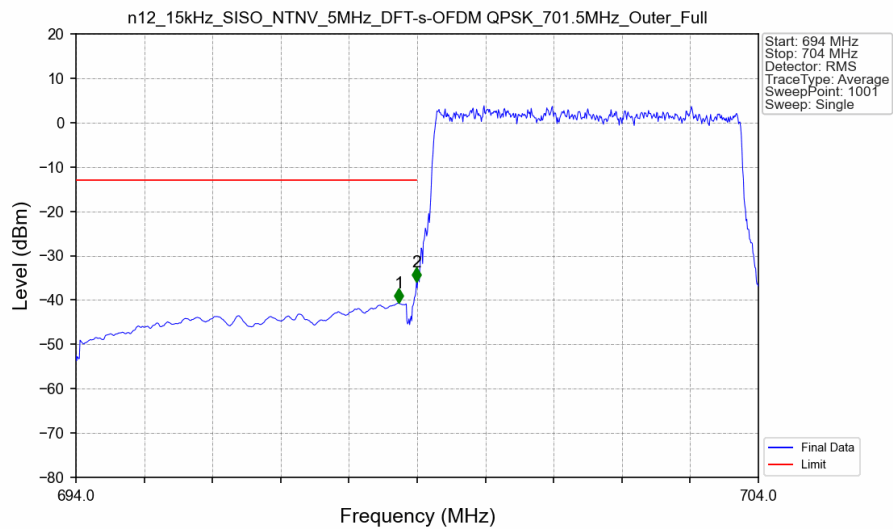
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	693.950	-62.20	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	896.750	-72.92	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant0

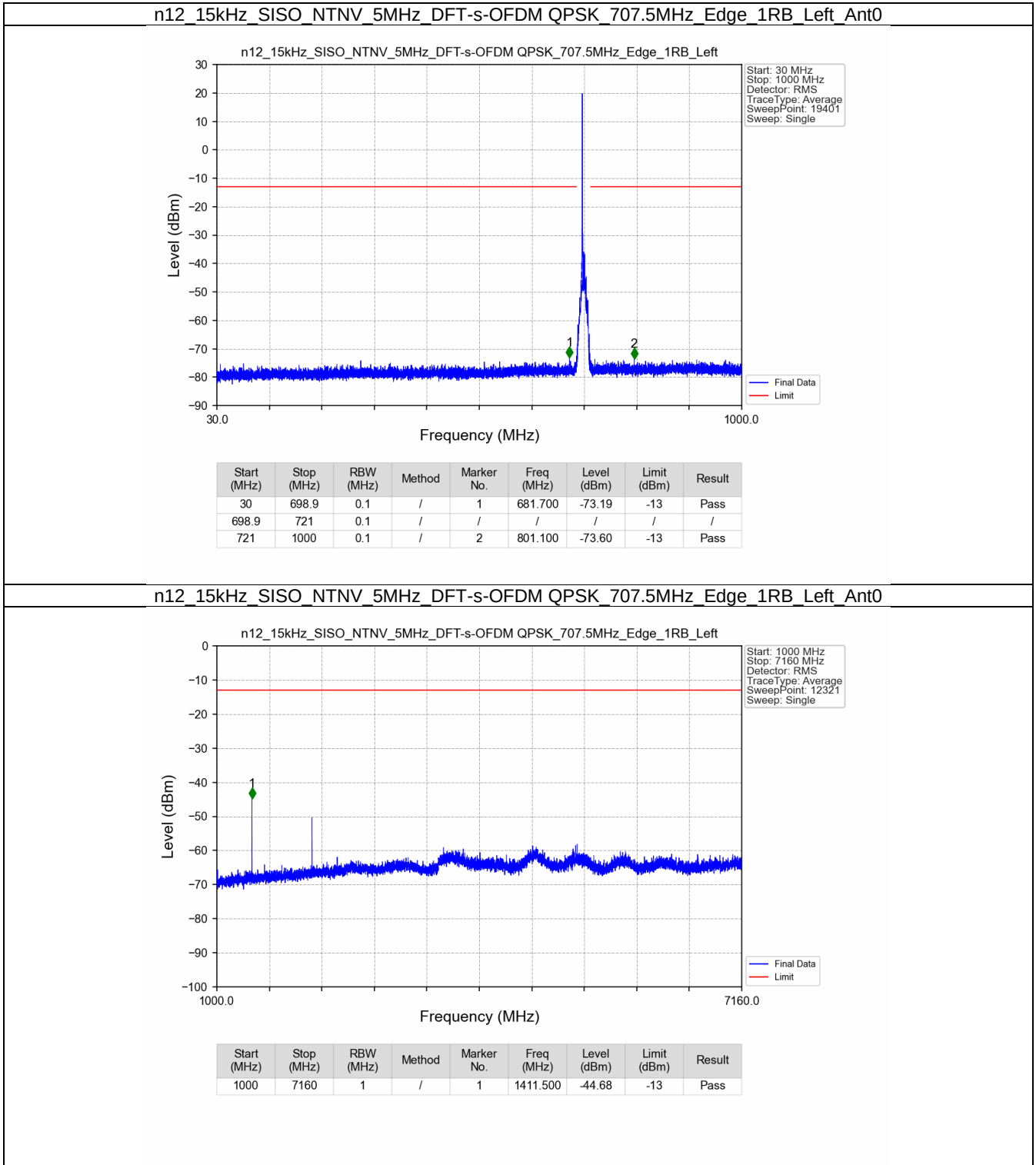


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1399.500	-48.74	-13	Pass

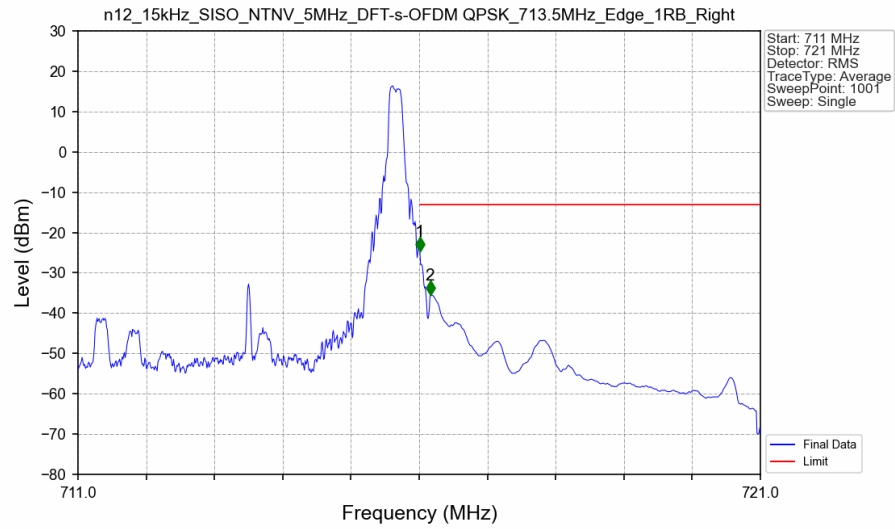
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_701.5MHz_Outer_Full_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.730	-40.66	-13	Pass
698.9	699	0.03	/	2	698.990	-35.90	-13	Pass
699	704	0.03	/	/	/	/	/	/

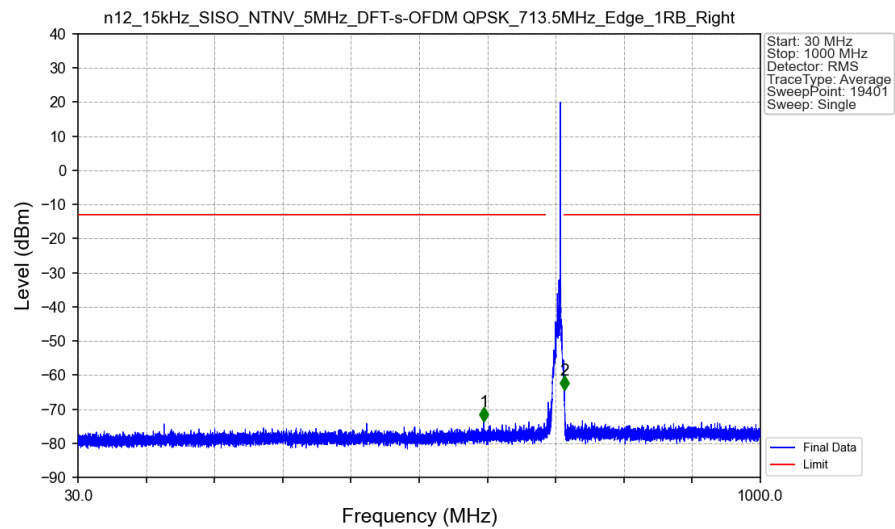


n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant0



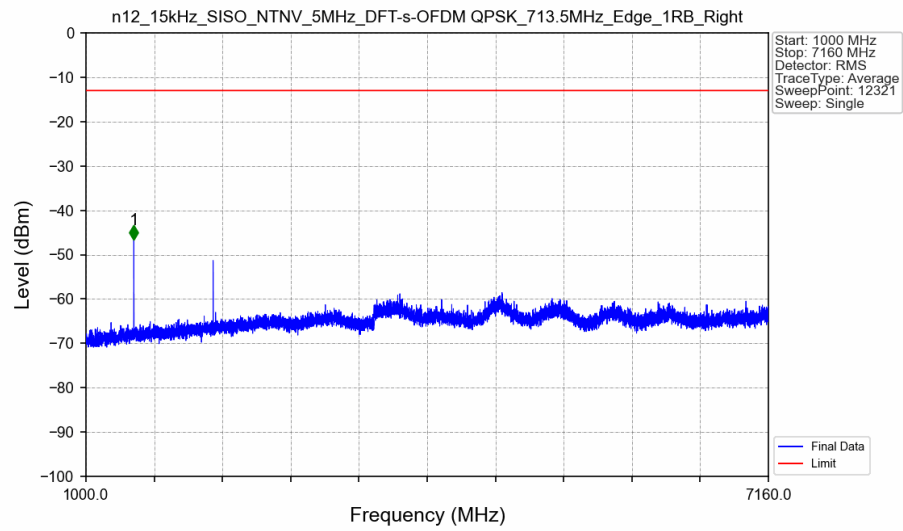
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-24.59	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.39	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant0



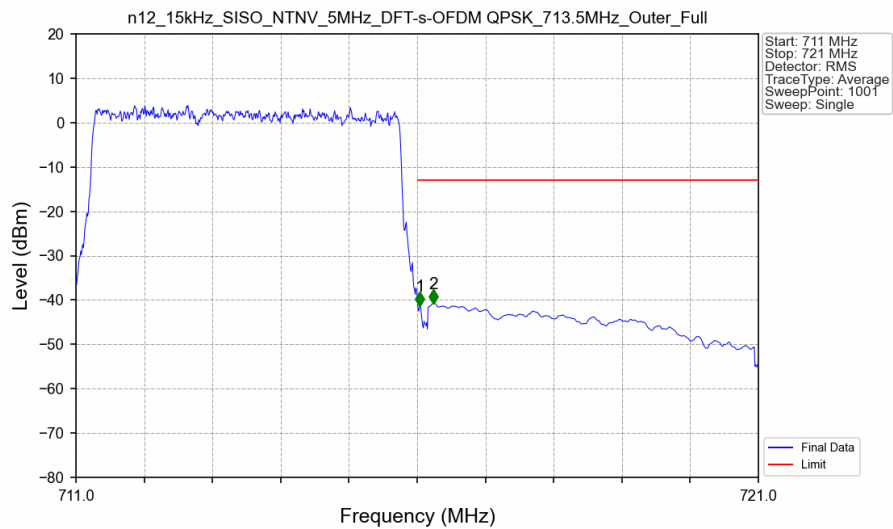
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	606.800	-73.56	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	721.250	-64.29	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK 713.5MHz_Edge_1RB_Right_Ant0



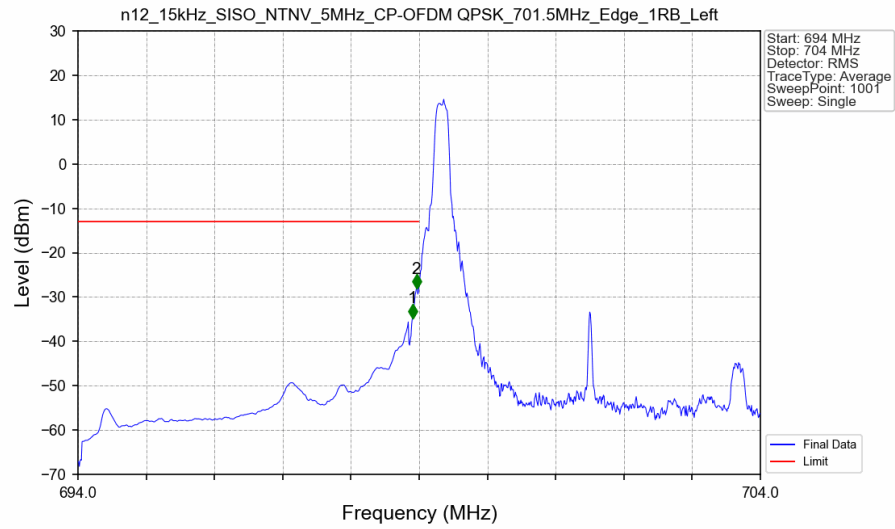
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1432.000	-46.58	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK 713.5MHz_Outer_Full_Ant0



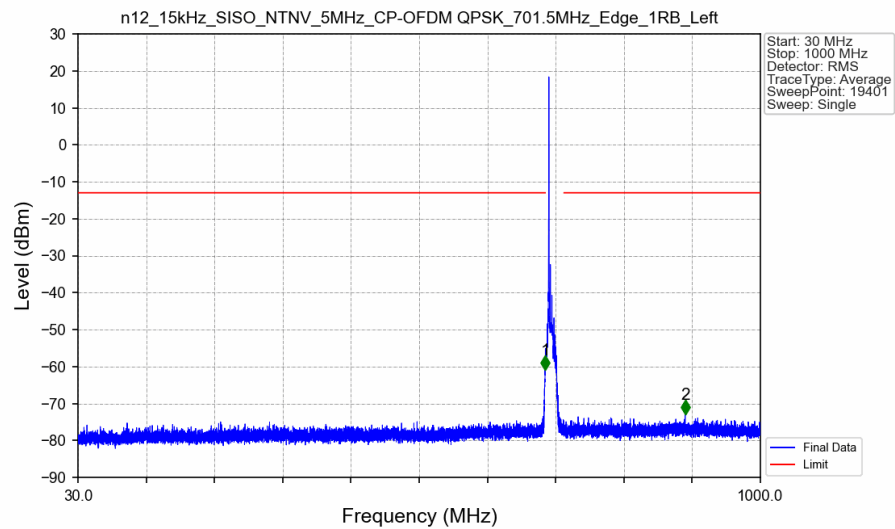
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.040	-41.40	-13	Pass
716.1	721	0.1	CHP	2	716.240	-40.70	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant0



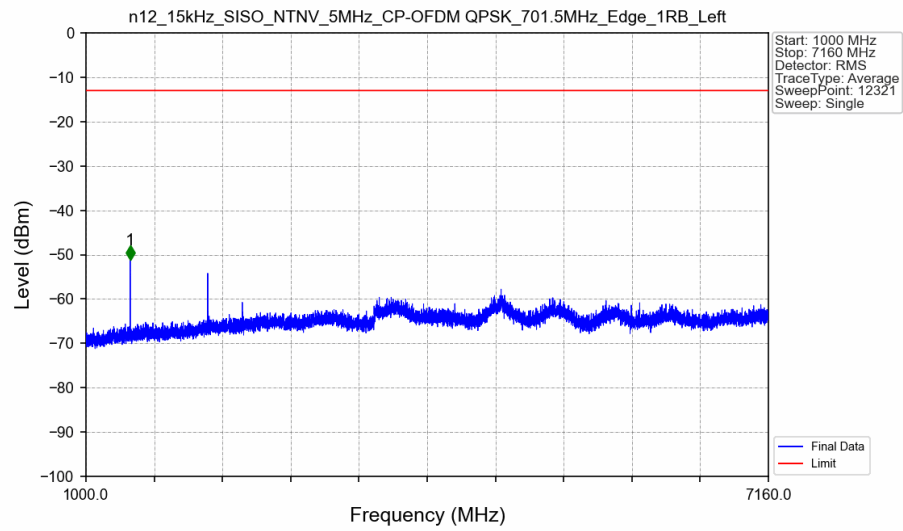
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.900	-34.70	-13	Pass
698.9	699	0.03	/	2	698.960	-28.02	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant0



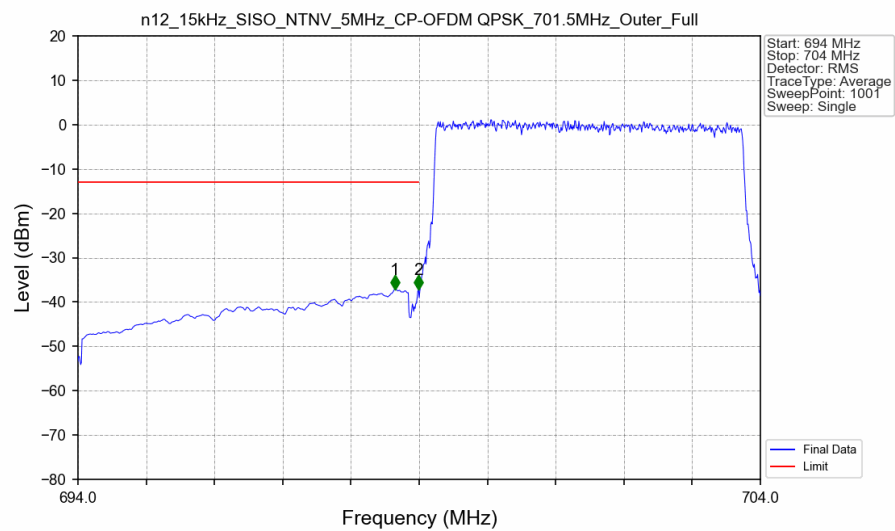
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	693.950	-60.87	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	893.050	-72.89	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant0



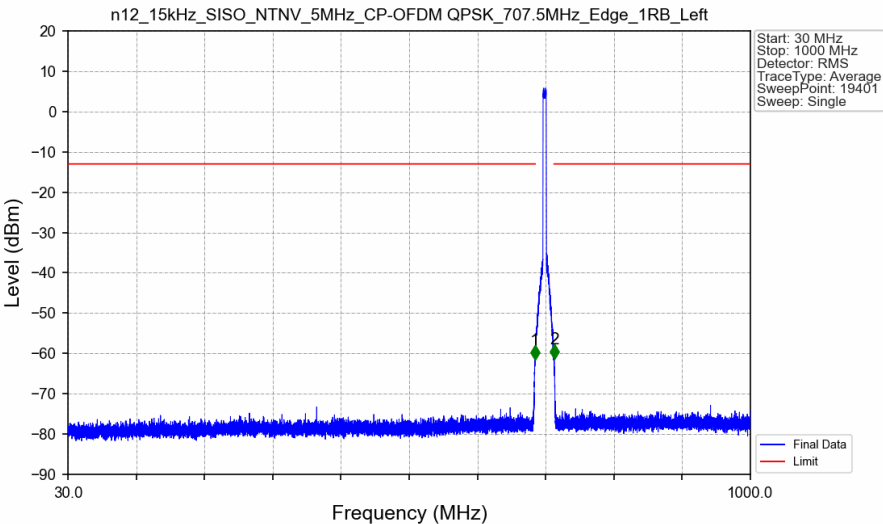
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1399.500	-51.11	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_701.5MHz_Outer_Full_Ant0

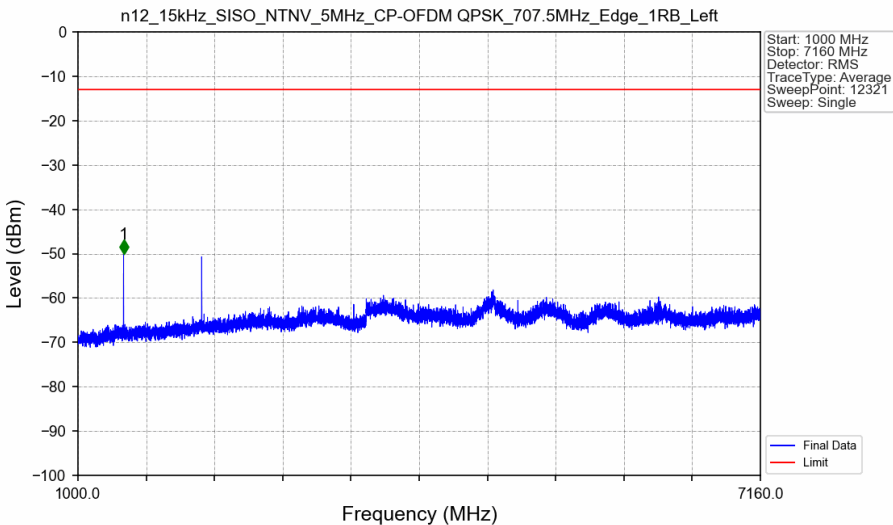


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.640	-37.17	-13	Pass
698.9	699	0.03	/	2	698.990	-37.19	-13	Pass
699	704	0.03	/	/	/	/	/	/

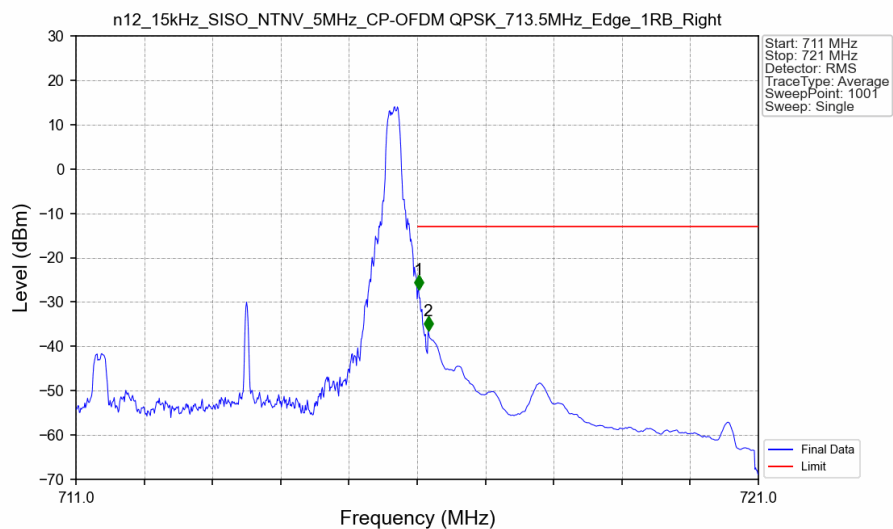
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant0



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant0

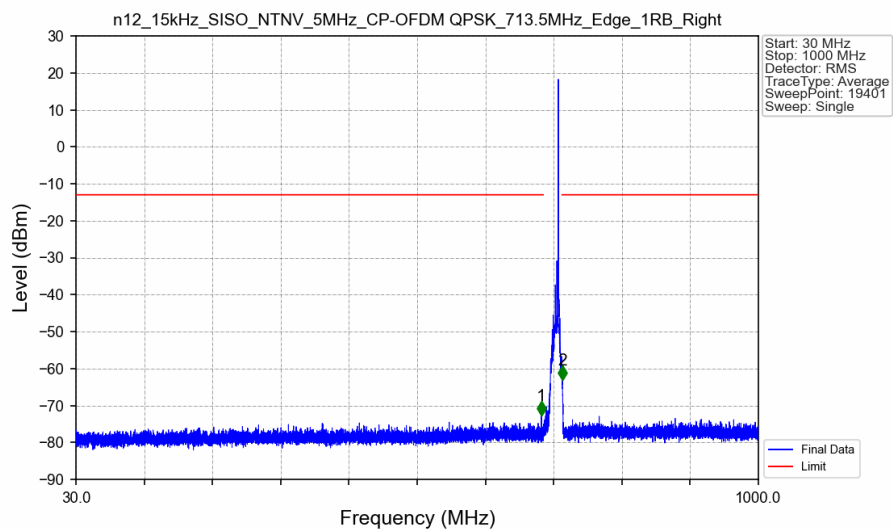


n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant0



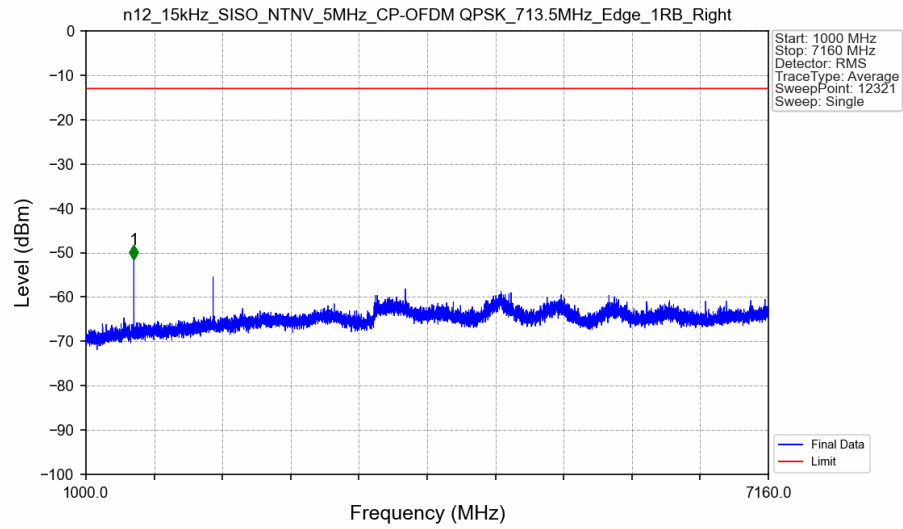
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-27.07	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.49	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant0



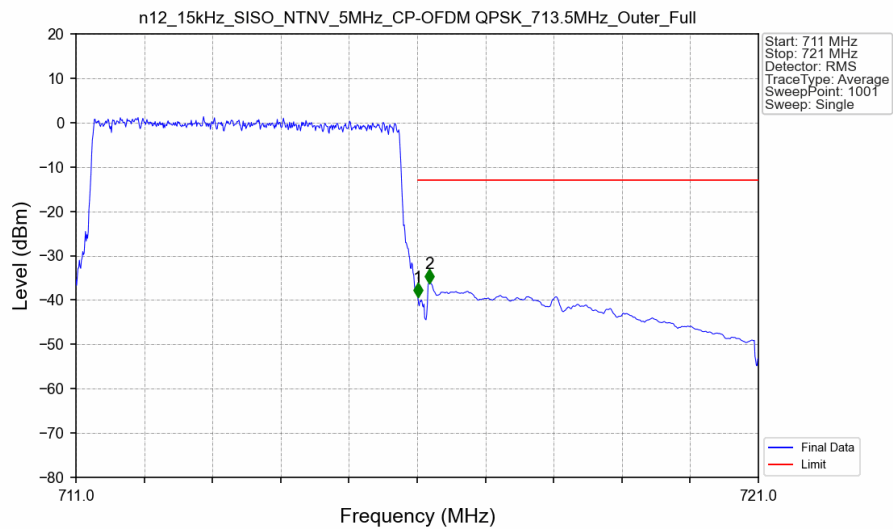
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	691.550	-72.68	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	721.150	-63.08	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1432.000	-51.44	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Outer_Full_Ant0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-39.30	-13	Pass
716.1	721	0.1	CHP	2	716.180	-36.17	-13	Pass