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Appendix B.47

NR Band n71



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1. Effective (Isotropic) Radiated Power Output Data

1.1 15k_SISO_5MHz_NTNV_ERP

1.1.1 Test Result

5G NR n71 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	665.5	Edge_1RB_Left	23.81	/	/	20.96	/	/	<=34.77	Pass
		Edge_1RB_Right	23.75	/	/	20.9	/	/	<=34.77	Pass
		Outer_Full	23.76	/	/	20.91	/	/	<=34.77	Pass
		Inner_Full	23.83	/	/	20.98	/	/	<=34.77	Pass
		Inner_1RB_Left	23.84	/	/	20.99	/	/	<=34.77	Pass
		Inner_1RB_Right	23.71	/	/	20.86	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.39	/	/	20.54	/	/	<=34.77	Pass
		Edge_1RB_Right	23.44	/	/	20.59	/	/	<=34.77	Pass
		Outer_Full	23.42	/	/	20.57	/	/	<=34.77	Pass
		Inner_Full	23.45	/	/	20.6	/	/	<=34.77	Pass
		Inner_1RB_Left	23.39	/	/	20.54	/	/	<=34.77	Pass
		Inner_1RB_Right	23.45	/	/	20.6	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	23.41	/	/	20.56	/	/	<=34.77	Pass
		Edge_1RB_Right	23.34	/	/	20.49	/	/	<=34.77	Pass
		Outer_Full	23.45	/	/	20.6	/	/	<=34.77	Pass
		Inner_Full	23.45	/	/	20.6	/	/	<=34.77	Pass
		Inner_1RB_Left	23.45	/	/	20.6	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	20.53	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	665.5	Edge_1RB_Left	23.29	/	/	20.44	/	/	<=34.77	Pass
		Edge_1RB_Right	23.17	/	/	20.32	/	/	<=34.77	Pass
		Outer_Full	21.28	/	/	18.43	/	/	<=34.77	Pass
		Inner_Full	23.71	/	/	20.86	/	/	<=34.77	Pass
		Inner_1RB_Left	23.84	/	/	20.99	/	/	<=34.77	Pass
		Inner_1RB_Right	23.65	/	/	20.8	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.97	/	/	20.12	/	/	<=34.77	Pass
		Edge_1RB_Right	22.98	/	/	20.13	/	/	<=34.77	Pass
		Outer_Full	20.91	/	/	18.06	/	/	<=34.77	Pass
		Inner_Full	23.43	/	/	20.58	/	/	<=34.77	Pass
		Inner_1RB_Left	23.42	/	/	20.57	/	/	<=34.77	Pass
		Inner_1RB_Right	23.48	/	/	20.63	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	22.90	/	/	20.05	/	/	<=34.77	Pass
		Edge_1RB_Right	22.82	/	/	19.97	/	/	<=34.77	Pass
		Outer_Full	20.89	/	/	18.04	/	/	<=34.77	Pass
		Inner_Full	23.42	/	/	20.57	/	/	<=34.77	Pass
		Inner_1RB_Left	23.36	/	/	20.51	/	/	<=34.77	Pass
		Inner_1RB_Right	23.29	/	/	20.44	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	665.5	Edge_1RB_Left	22.31	/	/	19.46	/	/	<=34.77	Pass



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		Edge_1RB_Right	18.82	/	/	15.97	/	/	<=34.77	Pass
		Outer_Full	16.39	/	/	13.54	/	/	<=34.77	Pass
		Inner_Full	19.44	/	/	16.59	/	/	<=34.77	Pass
		Inner_1RB_Left	18.88	/	/	16.03	/	/	<=34.77	Pass
		Inner_1RB_Right	18.86	/	/	16.01	/	/	<=34.77	Pass
CP-OFDM QPSK	665.5	Edge_1RB_Left	21.24	/	/	18.39	/	/	<=34.77	Pass
		Edge_1RB_Right	21.26	/	/	18.41	/	/	<=34.77	Pass
		Outer_Full	21.25	/	/	18.4	/	/	<=34.77	Pass
		Inner_Full	22.85	/	/	20	/	/	<=34.77	Pass
		Inner_1RB_Left	22.67	/	/	19.82	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	22.76	/	/	19.91	/	/	<=34.77	Pass
		Edge_1RB_Left	20.84	/	/	17.99	/	/	<=34.77	Pass
		Edge_1RB_Right	20.90	/	/	18.05	/	/	<=34.77	Pass
		Outer_Full	21.00	/	/	18.15	/	/	<=34.77	Pass
		Inner_Full	22.41	/	/	19.56	/	/	<=34.77	Pass
	695.5	Inner_1RB_Left	22.21	/	/	19.36	/	/	<=34.77	Pass
		Inner_1RB_Right	22.28	/	/	19.43	/	/	<=34.77	Pass
		Edge_1RB_Left	20.82	/	/	17.97	/	/	<=34.77	Pass
		Edge_1RB_Right	20.78	/	/	17.93	/	/	<=34.77	Pass
		Outer_Full	20.88	/	/	18.03	/	/	<=34.77	Pass
CP-OFDM 16 QAM	665.5	Inner_Full	22.36	/	/	19.51	/	/	<=34.77	Pass
		Inner_1RB_Left	22.34	/	/	19.49	/	/	<=34.77	Pass
		Inner_1RB_Right	22.25	/	/	19.4	/	/	<=34.77	Pass
		Edge_1RB_Left	21.33	/	/	18.48	/	/	<=34.77	Pass
		Edge_1RB_Right	21.15	/	/	18.3	/	/	<=34.77	Pass
	680.5	Outer_Full	19.26	/	/	16.41	/	/	<=34.77	Pass
		Inner_Full	22.25	/	/	19.4	/	/	<=34.77	Pass
		Inner_1RB_Left	22.42	/	/	19.57	/	/	<=34.77	Pass
		Inner_1RB_Right	22.32	/	/	19.47	/	/	<=34.77	Pass
		Edge_1RB_Left	20.49	/	/	17.64	/	/	<=34.77	Pass
	695.5	Edge_1RB_Right	20.93	/	/	18.08	/	/	<=34.77	Pass
		Outer_Full	18.99	/	/	16.14	/	/	<=34.77	Pass
		Inner_Full	21.84	/	/	18.99	/	/	<=34.77	Pass
		Inner_1RB_Left	22.16	/	/	19.31	/	/	<=34.77	Pass
		Inner_1RB_Right	21.98	/	/	19.13	/	/	<=34.77	Pass
CP-OFDM 64 QAM	665.5	Edge_1RB_Left	20.97	/	/	18.12	/	/	<=34.77	Pass
		Edge_1RB_Right	20.89	/	/	18.04	/	/	<=34.77	Pass
		Outer_Full	18.90	/	/	16.05	/	/	<=34.77	Pass
		Inner_Full	21.82	/	/	18.97	/	/	<=34.77	Pass
		Inner_1RB_Left	21.99	/	/	19.14	/	/	<=34.77	Pass
680.5	Inner_1RB_Right	21.91	/	/	19.06	/	/	<=34.77	Pass	
	Edge_1RB_Left	20.93	/	/	18.08	/	/	<=34.77	Pass	
	Edge_1RB_Right	20.82	/	/	17.97	/	/	<=34.77	Pass	
	Outer_Full	18.73	/	/	15.88	/	/	<=34.77	Pass	
	Inner_Full	20.83	/	/	17.98	/	/	<=34.77	Pass	
	680.5	Inner_1RB_Left	20.86	/	/	18.01	/	/	<=34.77	Pass
		Inner_1RB_Right	20.73	/	/	17.88	/	/	<=34.77	Pass
		Edge_1RB_Left	20.53	/	/	17.68	/	/	<=34.77	Pass



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CP-OFDM 256 QAM	695.5	Edge_1RB_Right	20.46	/	/	17.61	/	/	<=34.77	Pass
		Outer_Full	18.40	/	/	15.55	/	/	<=34.77	Pass
		Inner_Full	20.51	/	/	17.66	/	/	<=34.77	Pass
		Inner_1RB_Left	20.49	/	/	17.64	/	/	<=34.77	Pass
		Inner_1RB_Right	20.52	/	/	17.67	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	20.52	/	/	17.67	/	/	<=34.77	Pass
		Edge_1RB_Right	20.44	/	/	17.59	/	/	<=34.77	Pass
		Outer_Full	18.39	/	/	15.54	/	/	<=34.77	Pass
		Inner_Full	20.52	/	/	17.67	/	/	<=34.77	Pass
		Inner_1RB_Left	20.45	/	/	17.6	/	/	<=34.77	Pass
	665.5	Inner_1RB_Right	20.40	/	/	17.55	/	/	<=34.77	Pass
		Edge_1RB_Left	17.39	/	/	14.54	/	/	<=34.77	Pass
		Edge_1RB_Right	17.25	/	/	14.4	/	/	<=34.77	Pass
		Outer_Full	15.88	/	/	13.03	/	/	<=34.77	Pass
		Inner_Full	17.83	/	/	14.98	/	/	<=34.77	Pass
680.5	Inner_1RB_Left	17.38	/	/	14.53	/	/	<=34.77	Pass	
	Inner_1RB_Right	17.33	/	/	14.48	/	/	<=34.77	Pass	
	Edge_1RB_Left	16.98	/	/	14.13	/	/	<=34.77	Pass	
	Edge_1RB_Right	17.11	/	/	14.26	/	/	<=34.77	Pass	
	Outer_Full	15.60	/	/	12.75	/	/	<=34.77	Pass	
695.5	Inner_Full	17.52	/	/	14.67	/	/	<=34.77	Pass	
	Inner_1RB_Left	16.99	/	/	14.14	/	/	<=34.77	Pass	
	Inner_1RB_Right	16.98	/	/	14.13	/	/	<=34.77	Pass	
	Edge_1RB_Left	17.03	/	/	14.18	/	/	<=34.77	Pass	
	Edge_1RB_Right	16.86	/	/	14.01	/	/	<=34.77	Pass	
695.5	Outer_Full	15.44	/	/	12.59	/	/	<=34.77	Pass	
	Inner_Full	17.48	/	/	14.63	/	/	<=34.77	Pass	
	Inner_1RB_Left	16.99	/	/	14.14	/	/	<=34.77	Pass	
	Inner_1RB_Right	16.89	/	/	14.04	/	/	<=34.77	Pass	

Note1: Antenna Gain: Ant1: -0.7dBi;

Note2: EIRP=Conducted Power+Antenna Gain-2.15

1.2 15k_SISO_10MHz_NTNV_ERP

1.2.1 Test Result

5G NR n71 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	668	Edge_1RB_Left	23.84	/	/	20.99	/	/	<=34.77	Pass
		Edge_1RB_Right	23.68	/	/	20.83	/	/	<=34.77	Pass
		Outer_Full	23.61	/	/	20.76	/	/	<=34.77	Pass
		Inner_Full	23.71	/	/	20.86	/	/	<=34.77	Pass
		Inner_1RB_Left	23.88	/	/	21.03	/	/	<=34.77	Pass
		Inner_1RB_Right	23.64	/	/	20.79	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.53	/	/	20.68	/	/	<=34.77	Pass



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		Edge_1RB_Right	23.41	/	/	20.56	/	/	<=34.77	Pass
		Outer_Full	23.44	/	/	20.59	/	/	<=34.77	Pass
		Inner_Full	23.45	/	/	20.6	/	/	<=34.77	Pass
		Inner_1RB_Left	23.54	/	/	20.69	/	/	<=34.77	Pass
		Inner_1RB_Right	23.44	/	/	20.59	/	/	<=34.77	Pass
	693	Edge_1RB_Left	23.48	/	/	20.63	/	/	<=34.77	Pass
		Edge_1RB_Right	23.34	/	/	20.49	/	/	<=34.77	Pass
		Outer_Full	23.39	/	/	20.54	/	/	<=34.77	Pass
		Inner_Full	23.38	/	/	20.53	/	/	<=34.77	Pass
		Inner_1RB_Left	23.47	/	/	20.62	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	668	Inner_1RB_Right	23.35	/	/	20.5	/	/	<=34.77	Pass
		Edge_1RB_Left	23.36	/	/	20.51	/	/	<=34.77	Pass
		Edge_1RB_Right	23.15	/	/	20.3	/	/	<=34.77	Pass
		Outer_Full	21.18	/	/	18.33	/	/	<=34.77	Pass
		Inner_Full	23.76	/	/	20.91	/	/	<=34.77	Pass
	680.5	Inner_1RB_Left	23.92	/	/	21.07	/	/	<=34.77	Pass
		Inner_1RB_Right	23.71	/	/	20.86	/	/	<=34.77	Pass
		Edge_1RB_Left	23.01	/	/	20.16	/	/	<=34.77	Pass
		Edge_1RB_Right	22.84	/	/	19.99	/	/	<=34.77	Pass
		Outer_Full	20.87	/	/	18.02	/	/	<=34.77	Pass
693	Inner_Full	23.42	/	/	20.57	/	/	<=34.77	Pass	
	Inner_1RB_Left	23.52	/	/	20.67	/	/	<=34.77	Pass	
	Inner_1RB_Right	23.44	/	/	20.59	/	/	<=34.77	Pass	
	Edge_1RB_Left	22.99	/	/	20.14	/	/	<=34.77	Pass	
	Edge_1RB_Right	22.87	/	/	20.02	/	/	<=34.77	Pass	
DFT-s-OFDM 16 QAM	668	Outer_Full	20.95	/	/	18.1	/	/	<=34.77	Pass
		Inner_Full	23.41	/	/	20.56	/	/	<=34.77	Pass
		Inner_1RB_Left	23.43	/	/	20.58	/	/	<=34.77	Pass
		Inner_1RB_Right	23.33	/	/	20.48	/	/	<=34.77	Pass
		Edge_1RB_Left	22.31	/	/	19.46	/	/	<=34.77	Pass
	680.5	Edge_1RB_Right	21.91	/	/	19.06	/	/	<=34.77	Pass
		Outer_Full	20.17	/	/	17.32	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	20.41	/	/	<=34.77	Pass
		Inner_1RB_Left	23.46	/	/	20.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.11	/	/	20.26	/	/	<=34.77	Pass
693	Edge_1RB_Left	22.03	/	/	19.18	/	/	<=34.77	Pass	
	Edge_1RB_Right	22.07	/	/	19.22	/	/	<=34.77	Pass	
	Outer_Full	19.94	/	/	17.09	/	/	<=34.77	Pass	
	Inner_Full	22.98	/	/	20.13	/	/	<=34.77	Pass	
	Inner_1RB_Left	23.00	/	/	20.15	/	/	<=34.77	Pass	
668	Inner_1RB_Right	22.95	/	/	20.1	/	/	<=34.77	Pass	
	Edge_1RB_Left	21.88	/	/	19.03	/	/	<=34.77	Pass	
	Edge_1RB_Right	21.81	/	/	18.96	/	/	<=34.77	Pass	
	Outer_Full	19.93	/	/	17.08	/	/	<=34.77	Pass	
	Inner_Full	22.95	/	/	20.1	/	/	<=34.77	Pass	
DFT-s-OFDM 64 QAM	668	Inner_1RB_Left	22.86	/	/	20.01	/	/	<=34.77	Pass
		Inner_1RB_Right	22.79	/	/	19.94	/	/	<=34.77	Pass
		Edge_1RB_Left	21.94	/	/	19.09	/	/	<=34.77	Pass



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		Edge_1RB_Right	21.71	/	/	18.86	/	/	<=34.77	Pass
		Outer_Full	19.72	/	/	16.87	/	/	<=34.77	Pass
		Inner_Full	21.71	/	/	18.86	/	/	<=34.77	Pass
		Inner_1RB_Left	21.98	/	/	19.13	/	/	<=34.77	Pass
		Inner_1RB_Right	21.79	/	/	18.94	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.65	/	/	18.8	/	/	<=34.77	Pass
		Edge_1RB_Right	21.47	/	/	18.62	/	/	<=34.77	Pass
		Outer_Full	19.50	/	/	16.65	/	/	<=34.77	Pass
		Inner_Full	21.41	/	/	18.56	/	/	<=34.77	Pass
		Inner_1RB_Left	21.61	/	/	18.76	/	/	<=34.77	Pass
	693	Inner_1RB_Right	21.59	/	/	18.74	/	/	<=34.77	Pass
		Edge_1RB_Left	21.64	/	/	18.79	/	/	<=34.77	Pass
		Edge_1RB_Right	21.47	/	/	18.62	/	/	<=34.77	Pass
		Outer_Full	19.49	/	/	16.64	/	/	<=34.77	Pass
		Inner_Full	21.44	/	/	18.59	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	668	Inner_1RB_Left	21.69	/	/	18.84	/	/	<=34.77	Pass
		Inner_1RB_Right	21.51	/	/	18.66	/	/	<=34.77	Pass
		Edge_1RB_Left	19.30	/	/	16.45	/	/	<=34.77	Pass
		Edge_1RB_Right	19.00	/	/	16.15	/	/	<=34.77	Pass
		Outer_Full	16.66	/	/	13.81	/	/	<=34.77	Pass
	680.5	Inner_Full	19.61	/	/	16.76	/	/	<=34.77	Pass
		Inner_1RB_Left	19.31	/	/	16.46	/	/	<=34.77	Pass
		Inner_1RB_Right	19.02	/	/	16.17	/	/	<=34.77	Pass
		Edge_1RB_Left	19.00	/	/	16.15	/	/	<=34.77	Pass
		Edge_1RB_Right	18.87	/	/	16.02	/	/	<=34.77	Pass
	693	Outer_Full	16.42	/	/	13.57	/	/	<=34.77	Pass
		Inner_Full	19.36	/	/	16.51	/	/	<=34.77	Pass
		Inner_1RB_Left	19.06	/	/	16.21	/	/	<=34.77	Pass
		Inner_1RB_Right	18.88	/	/	16.03	/	/	<=34.77	Pass
		Edge_1RB_Left	18.92	/	/	16.07	/	/	<=34.77	Pass
CP-OFDM QPSK	668	Edge_1RB_Right	18.72	/	/	15.87	/	/	<=34.77	Pass
		Outer_Full	16.39	/	/	13.54	/	/	<=34.77	Pass
		Inner_Full	19.39	/	/	16.54	/	/	<=34.77	Pass
		Inner_1RB_Left	18.92	/	/	16.07	/	/	<=34.77	Pass
		Inner_1RB_Right	18.78	/	/	15.93	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.28	/	/	18.43	/	/	<=34.77	Pass
		Edge_1RB_Right	21.13	/	/	18.28	/	/	<=34.77	Pass
		Outer_Full	21.15	/	/	18.3	/	/	<=34.77	Pass
		Inner_Full	22.61	/	/	19.76	/	/	<=34.77	Pass
		Inner_1RB_Left	22.97	/	/	20.12	/	/	<=34.77	Pass
	693	Inner_1RB_Right	22.46	/	/	19.61	/	/	<=34.77	Pass
		Edge_1RB_Left	20.90	/	/	18.05	/	/	<=34.77	Pass
		Edge_1RB_Right	20.95	/	/	18.1	/	/	<=34.77	Pass
		Outer_Full	20.94	/	/	18.09	/	/	<=34.77	Pass
		Inner_Full	22.36	/	/	19.51	/	/	<=34.77	Pass
	693	Inner_1RB_Left	22.44	/	/	19.59	/	/	<=34.77	Pass
		Inner_1RB_Right	22.41	/	/	19.56	/	/	<=34.77	Pass
		Edge_1RB_Left	20.88	/	/	18.03	/	/	<=34.77	Pass



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		Edge_1RB_Right	20.78	/	/	17.93	/	/	<=34.77	Pass
		Outer_Full	20.94	/	/	18.09	/	/	<=34.77	Pass
		Inner_Full	22.29	/	/	19.44	/	/	<=34.77	Pass
		Inner_1RB_Left	22.29	/	/	19.44	/	/	<=34.77	Pass
		Inner_1RB_Right	22.18	/	/	19.33	/	/	<=34.77	Pass
CP-OFDM 16 QAM	668	Edge_1RB_Left	21.27	/	/	18.42	/	/	<=34.77	Pass
		Edge_1RB_Right	21.09	/	/	18.24	/	/	<=34.77	Pass
		Outer_Full	19.24	/	/	16.39	/	/	<=34.77	Pass
		Inner_Full	22.20	/	/	19.35	/	/	<=34.77	Pass
		Inner_1RB_Left	22.33	/	/	19.48	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	22.09	/	/	19.24	/	/	<=34.77	Pass
		Edge_1RB_Left	21.01	/	/	18.16	/	/	<=34.77	Pass
		Edge_1RB_Right	21.11	/	/	18.26	/	/	<=34.77	Pass
		Outer_Full	18.91	/	/	16.06	/	/	<=34.77	Pass
		Inner_Full	21.92	/	/	19.07	/	/	<=34.77	Pass
	693	Inner_1RB_Left	22.09	/	/	19.24	/	/	<=34.77	Pass
		Inner_1RB_Right	21.90	/	/	19.05	/	/	<=34.77	Pass
		Edge_1RB_Left	21.18	/	/	18.33	/	/	<=34.77	Pass
		Edge_1RB_Right	21.02	/	/	18.17	/	/	<=34.77	Pass
		Outer_Full	18.88	/	/	16.03	/	/	<=34.77	Pass
CP-OFDM 64 QAM	668	Inner_Full	21.86	/	/	19.01	/	/	<=34.77	Pass
		Inner_1RB_Left	22.03	/	/	19.18	/	/	<=34.77	Pass
		Inner_1RB_Right	21.96	/	/	19.11	/	/	<=34.77	Pass
		Edge_1RB_Left	20.86	/	/	18.01	/	/	<=34.77	Pass
		Edge_1RB_Right	20.64	/	/	17.79	/	/	<=34.77	Pass
	680.5	Outer_Full	18.69	/	/	15.84	/	/	<=34.77	Pass
		Inner_Full	20.75	/	/	17.9	/	/	<=34.77	Pass
		Inner_1RB_Left	20.89	/	/	18.04	/	/	<=34.77	Pass
		Inner_1RB_Right	20.58	/	/	17.73	/	/	<=34.77	Pass
		Edge_1RB_Left	20.58	/	/	17.73	/	/	<=34.77	Pass
	693	Edge_1RB_Right	20.31	/	/	17.46	/	/	<=34.77	Pass
		Outer_Full	18.49	/	/	15.64	/	/	<=34.77	Pass
		Inner_Full	20.48	/	/	17.63	/	/	<=34.77	Pass
		Inner_1RB_Left	20.60	/	/	17.75	/	/	<=34.77	Pass
		Inner_1RB_Right	20.51	/	/	17.66	/	/	<=34.77	Pass
CP-OFDM 256 QAM	668	Edge_1RB_Left	20.61	/	/	17.76	/	/	<=34.77	Pass
		Edge_1RB_Right	20.41	/	/	17.56	/	/	<=34.77	Pass
		Outer_Full	18.46	/	/	15.61	/	/	<=34.77	Pass
		Inner_Full	20.40	/	/	17.55	/	/	<=34.77	Pass
		Inner_1RB_Left	20.55	/	/	17.7	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	20.48	/	/	17.63	/	/	<=34.77	Pass
		Edge_1RB_Left	17.27	/	/	14.42	/	/	<=34.77	Pass
		Edge_1RB_Right	17.11	/	/	14.26	/	/	<=34.77	Pass
		Outer_Full	15.76	/	/	12.91	/	/	<=34.77	Pass
		Inner_Full	17.72	/	/	14.87	/	/	<=34.77	Pass
	680.5	Inner_1RB_Left	17.38	/	/	14.53	/	/	<=34.77	Pass
		Inner_1RB_Right	17.08	/	/	14.23	/	/	<=34.77	Pass
		Edge_1RB_Left	17.10	/	/	14.25	/	/	<=34.77	Pass



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693	Edge_1RB_Right	16.98	/	/	14.13	/	/	<=34.77	Pass
	Outer_Full	15.54	/	/	12.69	/	/	<=34.77	Pass
	Inner_Full	17.48	/	/	14.63	/	/	<=34.77	Pass
	Inner_1RB_Left	17.08	/	/	14.23	/	/	<=34.77	Pass
	Inner_1RB_Right	16.94	/	/	14.09	/	/	<=34.77	Pass
	Edge_1RB_Left	17.04	/	/	14.19	/	/	<=34.77	Pass
	Edge_1RB_Right	16.90	/	/	14.05	/	/	<=34.77	Pass
	Outer_Full	15.36	/	/	12.51	/	/	<=34.77	Pass
	Inner_Full	17.39	/	/	14.54	/	/	<=34.77	Pass
	Inner_1RB_Left	17.00	/	/	14.15	/	/	<=34.77	Pass
Inner_1RB_Right	16.87	/	/	14.02	/	/	<=34.77	Pass	

Note1: Antenna Gain: Ant1: -0.7dBi;

Note2: EIRP=Conducted Power+Antenna Gain-2.15

1.3 15k_SISO_15MHz_NTNV_ERP

1.3.1 Test Result

5G NR n71 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	670.5	Edge_1RB_Left	23.71	/	/	20.86	/	/	<=34.77	Pass
		Edge_1RB_Right	23.50	/	/	20.65	/	/	<=34.77	Pass
		Outer_Full	23.59	/	/	20.74	/	/	<=34.77	Pass
		Inner_Full	23.56	/	/	20.71	/	/	<=34.77	Pass
		Inner_1RB_Left	23.73	/	/	20.88	/	/	<=34.77	Pass
		Inner_1RB_Right	23.49	/	/	20.64	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.54	/	/	20.69	/	/	<=34.77	Pass
		Edge_1RB_Right	23.33	/	/	20.48	/	/	<=34.77	Pass
		Outer_Full	23.39	/	/	20.54	/	/	<=34.77	Pass
		Inner_Full	23.50	/	/	20.65	/	/	<=34.77	Pass
		Inner_1RB_Left	23.46	/	/	20.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.28	/	/	20.43	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	23.39	/	/	20.54	/	/	<=34.77	Pass
		Edge_1RB_Right	23.19	/	/	20.34	/	/	<=34.77	Pass
		Outer_Full	23.30	/	/	20.45	/	/	<=34.77	Pass
		Inner_Full	23.29	/	/	20.44	/	/	<=34.77	Pass
		Inner_1RB_Left	23.38	/	/	20.53	/	/	<=34.77	Pass
		Inner_1RB_Right	23.22	/	/	20.37	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	670.5	Edge_1RB_Left	23.28	/	/	20.43	/	/	<=34.77	Pass
		Edge_1RB_Right	22.95	/	/	20.1	/	/	<=34.77	Pass
		Outer_Full	21.14	/	/	18.29	/	/	<=34.77	Pass
		Inner_Full	23.64	/	/	20.79	/	/	<=34.77	Pass
		Inner_1RB_Left	23.68	/	/	20.83	/	/	<=34.77	Pass
		Inner_1RB_Right	23.46	/	/	20.61	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.03	/	/	20.18	/	/	<=34.77	Pass



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DFT-s-OFDM 16 QAM	690.5	Edge_1RB_Right	22.86	/	/	20.01	/	/	<=34.77	Pass				
		Outer_Full	20.95	/	/	18.1	/	/	<=34.77	Pass				
		Inner_Full	23.48	/	/	20.63	/	/	<=34.77	Pass				
		Inner_1RB_Left	23.50	/	/	20.65	/	/	<=34.77	Pass				
		Inner_1RB_Right	23.31	/	/	20.46	/	/	<=34.77	Pass				
	670.5	690.5	Edge_1RB_Left	22.83	/	/	19.98	/	/	<=34.77	Pass			
			Edge_1RB_Right	22.69	/	/	19.84	/	/	<=34.77	Pass			
			Outer_Full	20.83	/	/	17.98	/	/	<=34.77	Pass			
			Inner_Full	23.32	/	/	20.47	/	/	<=34.77	Pass			
			Inner_1RB_Left	23.38	/	/	20.53	/	/	<=34.77	Pass			
	DFT-s-OFDM 64 QAM	680.5	Inner_1RB_Right	23.28	/	/	20.43	/	/	<=34.77	Pass			
			670.5	680.5	Edge_1RB_Left	22.26	/	/	19.41	/	/	<=34.77	Pass	
					Edge_1RB_Right	21.88	/	/	19.03	/	/	<=34.77	Pass	
					Outer_Full	20.17	/	/	17.32	/	/	<=34.77	Pass	
					Inner_Full	23.15	/	/	20.3	/	/	<=34.77	Pass	
Inner_1RB_Left		23.20			/	/	20.35	/	/	<=34.77	Pass			
690.5		680.5	Inner_1RB_Right	22.86	/	/	20.01	/	/	<=34.77	Pass			
			690.5	680.5	Edge_1RB_Left	21.93	/	/	19.08	/	/	<=34.77	Pass	
					Edge_1RB_Right	21.84	/	/	18.99	/	/	<=34.77	Pass	
					Outer_Full	20.02	/	/	17.17	/	/	<=34.77	Pass	
					Inner_Full	22.99	/	/	20.14	/	/	<=34.77	Pass	
Inner_1RB_Left		22.95			/	/	20.1	/	/	<=34.77	Pass			
DFT-s-OFDM 256		670.5	Inner_1RB_Right	22.69	/	/	19.84	/	/	<=34.77	Pass			
			680.5	670.5	Edge_1RB_Left	21.87	/	/	19.02	/	/	<=34.77	Pass	
					Edge_1RB_Right	21.67	/	/	18.82	/	/	<=34.77	Pass	
	Outer_Full				19.86	/	/	17.01	/	/	<=34.77	Pass		
	Inner_Full				22.88	/	/	20.03	/	/	<=34.77	Pass		
	Inner_1RB_Left	22.85			/	/	20	/	/	<=34.77	Pass			
	DFT-s-OFDM 64 QAM	680.5	Inner_1RB_Right	22.68	/	/	19.83	/	/	<=34.77	Pass			
			670.5	680.5	Edge_1RB_Left	21.95	/	/	19.1	/	/	<=34.77	Pass	
					Edge_1RB_Right	21.63	/	/	18.78	/	/	<=34.77	Pass	
					Outer_Full	19.68	/	/	16.83	/	/	<=34.77	Pass	
					Inner_Full	21.63	/	/	18.78	/	/	<=34.77	Pass	
		Inner_1RB_Left			21.86	/	/	19.01	/	/	<=34.77	Pass		
		690.5	680.5	Inner_1RB_Right	21.54	/	/	18.69	/	/	<=34.77	Pass		
				690.5	680.5	Edge_1RB_Left	21.72	/	/	18.87	/	/	<=34.77	Pass
						Edge_1RB_Right	21.54	/	/	18.69	/	/	<=34.77	Pass
Outer_Full						19.56	/	/	16.71	/	/	<=34.77	Pass	
Inner_Full						21.54	/	/	18.69	/	/	<=34.77	Pass	
Inner_1RB_Left		21.76	/			/	18.91	/	/	<=34.77	Pass			
670.5		690.5	Inner_1RB_Right	21.47	/	/	18.62	/	/	<=34.77	Pass			
			670.5	690.5	Edge_1RB_Left	21.54	/	/	18.69	/	/	<=34.77	Pass	
					Edge_1RB_Right	21.31	/	/	18.46	/	/	<=34.77	Pass	
	Outer_Full				19.30	/	/	16.45	/	/	<=34.77	Pass		
	Inner_Full				21.30	/	/	18.45	/	/	<=34.77	Pass		
Inner_1RB_Left	21.42	/			/	18.57	/	/	<=34.77	Pass				
670.5	690.5	Inner_1RB_Right	21.34	/	/	18.49	/	/	<=34.77	Pass				
		Edge_1RB_Left	19.24	/	/	16.39	/	/	<=34.77	Pass				



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QAM		Edge_1RB_Right	19.02	/	/	16.17	/	/	<=34.77	Pass
		Outer_Full	16.59	/	/	13.74	/	/	<=34.77	Pass
		Inner_Full	19.56	/	/	16.71	/	/	<=34.77	Pass
		Inner_1RB_Left	19.27	/	/	16.42	/	/	<=34.77	Pass
		Inner_1RB_Right	19.11	/	/	16.26	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	18.94	/	/	16.09	/	/	<=34.77	Pass
		Edge_1RB_Right	18.84	/	/	15.99	/	/	<=34.77	Pass
		Outer_Full	16.46	/	/	13.61	/	/	<=34.77	Pass
		Inner_Full	19.40	/	/	16.55	/	/	<=34.77	Pass
		Inner_1RB_Left	18.97	/	/	16.12	/	/	<=34.77	Pass
	690.5	Inner_1RB_Right	18.85	/	/	16	/	/	<=34.77	Pass
		Edge_1RB_Left	18.91	/	/	16.06	/	/	<=34.77	Pass
		Edge_1RB_Right	18.80	/	/	15.95	/	/	<=34.77	Pass
		Outer_Full	16.29	/	/	13.44	/	/	<=34.77	Pass
		Inner_Full	19.23	/	/	16.38	/	/	<=34.77	Pass
CP-OFDM QPSK	670.5	Inner_1RB_Left	18.86	/	/	16.01	/	/	<=34.77	Pass
		Inner_1RB_Right	18.80	/	/	15.95	/	/	<=34.77	Pass
		Edge_1RB_Left	21.26	/	/	18.41	/	/	<=34.77	Pass
		Edge_1RB_Right	20.98	/	/	18.13	/	/	<=34.77	Pass
		Outer_Full	21.09	/	/	18.24	/	/	<=34.77	Pass
	680.5	Inner_Full	22.53	/	/	19.68	/	/	<=34.77	Pass
		Inner_1RB_Left	22.64	/	/	19.79	/	/	<=34.77	Pass
		Inner_1RB_Right	22.45	/	/	19.6	/	/	<=34.77	Pass
		Edge_1RB_Left	20.93	/	/	18.08	/	/	<=34.77	Pass
		Edge_1RB_Right	20.84	/	/	17.99	/	/	<=34.77	Pass
	690.5	Outer_Full	20.97	/	/	18.12	/	/	<=34.77	Pass
		Inner_Full	22.38	/	/	19.53	/	/	<=34.77	Pass
		Inner_1RB_Left	22.42	/	/	19.57	/	/	<=34.77	Pass
		Inner_1RB_Right	22.27	/	/	19.42	/	/	<=34.77	Pass
		Edge_1RB_Left	20.89	/	/	18.04	/	/	<=34.77	Pass
CP-OFDM 16 QAM	670.5	Edge_1RB_Right	20.77	/	/	17.92	/	/	<=34.77	Pass
		Outer_Full	20.73	/	/	17.88	/	/	<=34.77	Pass
		Inner_Full	22.22	/	/	19.37	/	/	<=34.77	Pass
		Inner_1RB_Left	22.33	/	/	19.48	/	/	<=34.77	Pass
		Inner_1RB_Right	22.23	/	/	19.38	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.20	/	/	18.35	/	/	<=34.77	Pass
		Edge_1RB_Right	20.94	/	/	18.09	/	/	<=34.77	Pass
		Outer_Full	19.09	/	/	16.24	/	/	<=34.77	Pass
		Inner_Full	22.14	/	/	19.29	/	/	<=34.77	Pass
		Inner_1RB_Left	22.31	/	/	19.46	/	/	<=34.77	Pass
	690.5	Inner_1RB_Right	22.10	/	/	19.25	/	/	<=34.77	Pass
		Edge_1RB_Left	21.07	/	/	18.22	/	/	<=34.77	Pass
		Edge_1RB_Right	20.87	/	/	18.02	/	/	<=34.77	Pass
		Outer_Full	18.94	/	/	16.09	/	/	<=34.77	Pass
		Inner_Full	22.02	/	/	19.17	/	/	<=34.77	Pass
	Inner_1RB_Left	22.13	/	/	19.28	/	/	<=34.77	Pass	
	Inner_1RB_Right	21.85	/	/	19	/	/	<=34.77	Pass	
	Edge_1RB_Left	20.86	/	/	18.01	/	/	<=34.77	Pass	



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CP-OFDM 64 QAM	670.5	Edge_1RB_Right	20.86	/	/	18.01	/	/	<=34.77	Pass		
		Outer_Full	18.72	/	/	15.87	/	/	<=34.77	Pass		
		Inner_Full	21.86	/	/	19.01	/	/	<=34.77	Pass		
		Inner_1RB_Left	21.82	/	/	18.97	/	/	<=34.77	Pass		
		Inner_1RB_Right	21.83	/	/	18.98	/	/	<=34.77	Pass		
	680.5	670.5	Edge_1RB_Left	20.76	/	/	17.91	/	/	<=34.77	Pass	
			Edge_1RB_Right	20.52	/	/	17.67	/	/	<=34.77	Pass	
			Outer_Full	18.62	/	/	15.77	/	/	<=34.77	Pass	
			Inner_Full	20.61	/	/	17.76	/	/	<=34.77	Pass	
			Inner_1RB_Left	20.81	/	/	17.96	/	/	<=34.77	Pass	
		680.5	680.5	Inner_1RB_Right	20.60	/	/	17.75	/	/	<=34.77	Pass
				Edge_1RB_Left	20.53	/	/	17.68	/	/	<=34.77	Pass
				Edge_1RB_Right	20.34	/	/	17.49	/	/	<=34.77	Pass
				Outer_Full	18.45	/	/	15.6	/	/	<=34.77	Pass
				Inner_Full	20.45	/	/	17.6	/	/	<=34.77	Pass
690.5	690.5	Inner_1RB_Left	20.55	/	/	17.7	/	/	<=34.77	Pass		
		Inner_1RB_Right	20.38	/	/	17.53	/	/	<=34.77	Pass		
		Edge_1RB_Left	20.50	/	/	17.65	/	/	<=34.77	Pass		
		Edge_1RB_Right	20.31	/	/	17.46	/	/	<=34.77	Pass		
		Outer_Full	18.24	/	/	15.39	/	/	<=34.77	Pass		
CP-OFDM 256 QAM	670.5	Inner_Full	20.30	/	/	17.45	/	/	<=34.77	Pass		
		Inner_1RB_Left	20.47	/	/	17.62	/	/	<=34.77	Pass		
		Inner_1RB_Right	20.44	/	/	17.59	/	/	<=34.77	Pass		
		Edge_1RB_Left	17.37	/	/	14.52	/	/	<=34.77	Pass		
		Edge_1RB_Right	17.11	/	/	14.26	/	/	<=34.77	Pass		
	680.5	670.5	Outer_Full	15.74	/	/	12.89	/	/	<=34.77	Pass	
			Inner_Full	17.64	/	/	14.79	/	/	<=34.77	Pass	
			Inner_1RB_Left	17.37	/	/	14.52	/	/	<=34.77	Pass	
			Inner_1RB_Right	17.20	/	/	14.35	/	/	<=34.77	Pass	
			Edge_1RB_Left	17.09	/	/	14.24	/	/	<=34.77	Pass	
	690.5	680.5	Edge_1RB_Right	17.02	/	/	14.17	/	/	<=34.77	Pass	
			Outer_Full	15.49	/	/	12.64	/	/	<=34.77	Pass	
			Inner_Full	17.46	/	/	14.61	/	/	<=34.77	Pass	
			Inner_1RB_Left	17.10	/	/	14.25	/	/	<=34.77	Pass	
			Inner_1RB_Right	17.03	/	/	14.18	/	/	<=34.77	Pass	
690.5	690.5	Edge_1RB_Left	16.92	/	/	14.07	/	/	<=34.77	Pass		
		Edge_1RB_Right	16.89	/	/	14.04	/	/	<=34.77	Pass		
		Outer_Full	15.31	/	/	12.46	/	/	<=34.77	Pass		
		Inner_Full	17.25	/	/	14.4	/	/	<=34.77	Pass		
		Inner_1RB_Left	16.93	/	/	14.08	/	/	<=34.77	Pass		
		Inner_1RB_Right	16.89	/	/	14.04	/	/	<=34.77	Pass		
Note1: Antenna Gain: Ant1: -0.7dBi; Note2: EIRP=Conducted Power+Antenna Gain-2.15												

1.4 15k_SISO_20MHz_NTNV_ERP



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1.4.1 Test Result

5G NR n71 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	673	Edge_1RB_Left	23.73	/	/	20.88	/	/	<=34.77	Pass
		Edge_1RB_Right	23.37	/	/	20.52	/	/	<=34.77	Pass
		Outer_Full	23.51	/	/	20.66	/	/	<=34.77	Pass
		Inner_Full	23.54	/	/	20.69	/	/	<=34.77	Pass
		Inner_1RB_Left	23.71	/	/	20.86	/	/	<=34.77	Pass
	Inner_1RB_Right	23.36	/	/	20.51	/	/	<=34.77	Pass	
	680.5	Edge_1RB_Left	23.70	/	/	20.85	/	/	<=34.77	Pass
		Edge_1RB_Right	23.58	/	/	20.73	/	/	<=34.77	Pass
		Outer_Full	23.50	/	/	20.65	/	/	<=34.77	Pass
		Inner_Full	23.50	/	/	20.65	/	/	<=34.77	Pass
		Inner_1RB_Left	23.70	/	/	20.85	/	/	<=34.77	Pass
	Inner_1RB_Right	23.51	/	/	20.66	/	/	<=34.77	Pass	
	688	Edge_1RB_Left	23.55	/	/	20.7	/	/	<=34.77	Pass
		Edge_1RB_Right	23.46	/	/	20.61	/	/	<=34.77	Pass
		Outer_Full	23.50	/	/	20.65	/	/	<=34.77	Pass
Inner_Full		23.49	/	/	20.64	/	/	<=34.77	Pass	
Inner_1RB_Left		23.56	/	/	20.71	/	/	<=34.77	Pass	
Inner_1RB_Right	23.50	/	/	20.65	/	/	<=34.77	Pass		
DFT-s-OFDM QPSK	673	Edge_1RB_Left	23.24	/	/	20.39	/	/	<=34.77	Pass
		Edge_1RB_Right	22.87	/	/	20.02	/	/	<=34.77	Pass
		Outer_Full	21.07	/	/	18.22	/	/	<=34.77	Pass
		Inner_Full	23.55	/	/	20.7	/	/	<=34.77	Pass
		Inner_1RB_Left	23.72	/	/	20.87	/	/	<=34.77	Pass
	Inner_1RB_Right	23.40	/	/	20.55	/	/	<=34.77	Pass	
	680.5	Edge_1RB_Left	23.17	/	/	20.32	/	/	<=34.77	Pass
		Edge_1RB_Right	23.00	/	/	20.15	/	/	<=34.77	Pass
		Outer_Full	21.06	/	/	18.21	/	/	<=34.77	Pass
		Inner_Full	23.49	/	/	20.64	/	/	<=34.77	Pass
		Inner_1RB_Left	23.67	/	/	20.82	/	/	<=34.77	Pass
	Inner_1RB_Right	23.47	/	/	20.62	/	/	<=34.77	Pass	
	688	Edge_1RB_Left	23.08	/	/	20.23	/	/	<=34.77	Pass
		Edge_1RB_Right	23.08	/	/	20.23	/	/	<=34.77	Pass
		Outer_Full	20.97	/	/	18.12	/	/	<=34.77	Pass
Inner_Full		23.47	/	/	20.62	/	/	<=34.77	Pass	
Inner_1RB_Left		23.64	/	/	20.79	/	/	<=34.77	Pass	
Inner_1RB_Right	23.52	/	/	20.67	/	/	<=34.77	Pass		
DFT-s-OFDM 16 QAM	673	Edge_1RB_Left	22.59	/	/	19.74	/	/	<=34.77	Pass
		Edge_1RB_Right	21.81	/	/	18.96	/	/	<=34.77	Pass
		Outer_Full	19.99	/	/	17.14	/	/	<=34.77	Pass
		Inner_Full	23.06	/	/	20.21	/	/	<=34.77	Pass
		Inner_1RB_Left	23.16	/	/	20.31	/	/	<=34.77	Pass
	Inner_1RB_Right	22.80	/	/	19.95	/	/	<=34.77	Pass	
	680.5	Edge_1RB_Left	22.23	/	/	19.38	/	/	<=34.77	Pass



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		Edge_1RB_Right	21.91	/	/	19.06	/	/	<=34.77	Pass
		Outer_Full	20.13	/	/	17.28	/	/	<=34.77	Pass
		Inner_Full	23.10	/	/	20.25	/	/	<=34.77	Pass
		Inner_1RB_Left	23.22	/	/	20.37	/	/	<=34.77	Pass
		Inner_1RB_Right	22.99	/	/	20.14	/	/	<=34.77	Pass
	688	Edge_1RB_Left	22.00	/	/	19.15	/	/	<=34.77	Pass
		Edge_1RB_Right	21.94	/	/	19.09	/	/	<=34.77	Pass
		Outer_Full	20.06	/	/	17.21	/	/	<=34.77	Pass
		Inner_Full	23.02	/	/	20.17	/	/	<=34.77	Pass
		Inner_1RB_Left	22.93	/	/	20.08	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	673	Inner_1RB_Right	22.97	/	/	20.12	/	/	<=34.77	Pass
		Edge_1RB_Left	21.85	/	/	19	/	/	<=34.77	Pass
		Edge_1RB_Right	21.52	/	/	18.67	/	/	<=34.77	Pass
		Outer_Full	19.59	/	/	16.74	/	/	<=34.77	Pass
		Inner_Full	21.55	/	/	18.7	/	/	<=34.77	Pass
	680.5	Inner_1RB_Left	21.89	/	/	19.04	/	/	<=34.77	Pass
		Inner_1RB_Right	21.51	/	/	18.66	/	/	<=34.77	Pass
		Edge_1RB_Left	21.87	/	/	19.02	/	/	<=34.77	Pass
		Edge_1RB_Right	21.65	/	/	18.8	/	/	<=34.77	Pass
		Outer_Full	19.52	/	/	16.67	/	/	<=34.77	Pass
688	Inner_Full	21.49	/	/	18.64	/	/	<=34.77	Pass	
	Inner_1RB_Left	21.81	/	/	18.96	/	/	<=34.77	Pass	
	Inner_1RB_Right	21.38	/	/	18.53	/	/	<=34.77	Pass	
	Edge_1RB_Left	21.77	/	/	18.92	/	/	<=34.77	Pass	
	Edge_1RB_Right	21.70	/	/	18.85	/	/	<=34.77	Pass	
DFT-s-OFDM 256 QAM	673	Outer_Full	19.55	/	/	16.7	/	/	<=34.77	Pass
		Inner_Full	21.55	/	/	18.7	/	/	<=34.77	Pass
		Inner_1RB_Left	21.73	/	/	18.88	/	/	<=34.77	Pass
		Inner_1RB_Right	21.73	/	/	18.88	/	/	<=34.77	Pass
		Edge_1RB_Left	19.25	/	/	16.4	/	/	<=34.77	Pass
	680.5	Edge_1RB_Right	18.95	/	/	16.1	/	/	<=34.77	Pass
		Outer_Full	16.54	/	/	13.69	/	/	<=34.77	Pass
		Inner_Full	19.51	/	/	16.66	/	/	<=34.77	Pass
		Inner_1RB_Left	19.34	/	/	16.49	/	/	<=34.77	Pass
		Inner_1RB_Right	18.96	/	/	16.11	/	/	<=34.77	Pass
	688	Edge_1RB_Left	19.11	/	/	16.26	/	/	<=34.77	Pass
		Edge_1RB_Right	19.09	/	/	16.24	/	/	<=34.77	Pass
		Outer_Full	16.50	/	/	13.65	/	/	<=34.77	Pass
		Inner_Full	19.44	/	/	16.59	/	/	<=34.77	Pass
		Inner_1RB_Left	19.12	/	/	16.27	/	/	<=34.77	Pass
CP-OFDM QPSK	673	Inner_1RB_Right	19.07	/	/	16.22	/	/	<=34.77	Pass
		Edge_1RB_Left	19.03	/	/	16.18	/	/	<=34.77	Pass
		Edge_1RB_Right	19.06	/	/	16.21	/	/	<=34.77	Pass
		Outer_Full	16.55	/	/	13.7	/	/	<=34.77	Pass
		Inner_Full	19.48	/	/	16.63	/	/	<=34.77	Pass
		Inner_1RB_Left	19.02	/	/	16.17	/	/	<=34.77	Pass
		Inner_1RB_Right	19.09	/	/	16.24	/	/	<=34.77	Pass
		Edge_1RB_Left	21.23	/	/	18.38	/	/	<=34.77	Pass



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		Edge_1RB_Right	21.04	/	/	18.19	/	/	<=34.77	Pass
		Outer_Full	21.13	/	/	18.28	/	/	<=34.77	Pass
		Inner_Full	22.53	/	/	19.68	/	/	<=34.77	Pass
		Inner_1RB_Left	23.11	/	/	20.26	/	/	<=34.77	Pass
		Inner_1RB_Right	22.51	/	/	19.66	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.27	/	/	18.42	/	/	<=34.77	Pass
		Edge_1RB_Right	20.95	/	/	18.1	/	/	<=34.77	Pass
		Outer_Full	21.05	/	/	18.2	/	/	<=34.77	Pass
		Inner_Full	22.44	/	/	19.59	/	/	<=34.77	Pass
		Inner_1RB_Left	22.63	/	/	19.78	/	/	<=34.77	Pass
	688	Inner_1RB_Right	22.57	/	/	19.72	/	/	<=34.77	Pass
		Edge_1RB_Left	21.10	/	/	18.25	/	/	<=34.77	Pass
		Edge_1RB_Right	21.10	/	/	18.25	/	/	<=34.77	Pass
		Outer_Full	21.03	/	/	18.18	/	/	<=34.77	Pass
		Inner_Full	22.40	/	/	19.55	/	/	<=34.77	Pass
CP-OFDM 16 QAM	673	Inner_1RB_Left	22.43	/	/	19.58	/	/	<=34.77	Pass
		Inner_1RB_Right	22.46	/	/	19.61	/	/	<=34.77	Pass
		Edge_1RB_Left	21.61	/	/	18.76	/	/	<=34.77	Pass
		Edge_1RB_Right	20.96	/	/	18.11	/	/	<=34.77	Pass
		Outer_Full	19.24	/	/	16.39	/	/	<=34.77	Pass
	680.5	Inner_Full	22.14	/	/	19.29	/	/	<=34.77	Pass
		Inner_1RB_Left	22.45	/	/	19.6	/	/	<=34.77	Pass
		Inner_1RB_Right	21.98	/	/	19.13	/	/	<=34.77	Pass
		Edge_1RB_Left	21.29	/	/	18.44	/	/	<=34.77	Pass
		Edge_1RB_Right	21.09	/	/	18.24	/	/	<=34.77	Pass
	688	Outer_Full	19.05	/	/	16.2	/	/	<=34.77	Pass
		Inner_Full	22.00	/	/	19.15	/	/	<=34.77	Pass
		Inner_1RB_Left	22.30	/	/	19.45	/	/	<=34.77	Pass
		Inner_1RB_Right	22.22	/	/	19.37	/	/	<=34.77	Pass
		Edge_1RB_Left	21.24	/	/	18.39	/	/	<=34.77	Pass
CP-OFDM 64 QAM	673	Edge_1RB_Right	20.91	/	/	18.06	/	/	<=34.77	Pass
		Outer_Full	18.97	/	/	16.12	/	/	<=34.77	Pass
		Inner_Full	21.98	/	/	19.13	/	/	<=34.77	Pass
		Inner_1RB_Left	21.90	/	/	19.05	/	/	<=34.77	Pass
		Inner_1RB_Right	21.85	/	/	19	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.89	/	/	18.04	/	/	<=34.77	Pass
		Edge_1RB_Right	20.44	/	/	17.59	/	/	<=34.77	Pass
		Outer_Full	18.66	/	/	15.81	/	/	<=34.77	Pass
		Inner_Full	20.59	/	/	17.74	/	/	<=34.77	Pass
		Inner_1RB_Left	20.96	/	/	18.11	/	/	<=34.77	Pass
	688	Inner_1RB_Right	20.27	/	/	17.42	/	/	<=34.77	Pass
		Edge_1RB_Left	20.80	/	/	17.95	/	/	<=34.77	Pass
		Edge_1RB_Right	20.75	/	/	17.9	/	/	<=34.77	Pass
		Outer_Full	18.58	/	/	15.73	/	/	<=34.77	Pass
		Inner_Full	20.51	/	/	17.66	/	/	<=34.77	Pass
	688	Inner_1RB_Left	20.80	/	/	17.95	/	/	<=34.77	Pass
		Inner_1RB_Right	20.74	/	/	17.89	/	/	<=34.77	Pass
		Edge_1RB_Left	20.68	/	/	17.83	/	/	<=34.77	Pass



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		Edge_1RB_Right	20.54	/	/	17.69	/	/	<=34.77	Pass	
		Outer_Full	18.51	/	/	15.66	/	/	<=34.77	Pass	
		Inner_Full	20.53	/	/	17.68	/	/	<=34.77	Pass	
		Inner_1RB_Left	20.73	/	/	17.88	/	/	<=34.77	Pass	
		Inner_1RB_Right	20.65	/	/	17.8	/	/	<=34.77	Pass	
CP-OFDM 256 QAM	673	Edge_1RB_Left	18.04	/	/	15.19	/	/	<=34.77	Pass	
		Edge_1RB_Right	17.44	/	/	14.59	/	/	<=34.77	Pass	
		Outer_Full	15.72	/	/	12.87	/	/	<=34.77	Pass	
		Inner_Full	17.71	/	/	14.86	/	/	<=34.77	Pass	
		Inner_1RB_Left	17.97	/	/	15.12	/	/	<=34.77	Pass	
	680.5	Inner_1RB_Right	17.41	/	/	14.56	/	/	<=34.77	Pass	
		Edge_1RB_Left	17.16	/	/	14.31	/	/	<=34.77	Pass	
		Edge_1RB_Right	17.18	/	/	14.33	/	/	<=34.77	Pass	
		Outer_Full	15.57	/	/	12.72	/	/	<=34.77	Pass	
		Inner_Full	17.49	/	/	14.64	/	/	<=34.77	Pass	
	688	Inner_1RB_Left	17.26	/	/	14.41	/	/	<=34.77	Pass	
		Inner_1RB_Right	17.25	/	/	14.4	/	/	<=34.77	Pass	
		Edge_1RB_Left	17.22	/	/	14.37	/	/	<=34.77	Pass	
		Edge_1RB_Right	17.13	/	/	14.28	/	/	<=34.77	Pass	
		Outer_Full	15.58	/	/	12.73	/	/	<=34.77	Pass	
			Inner_Full	17.51	/	/	14.66	/	/	<=34.77	Pass
			Inner_1RB_Left	17.09	/	/	14.24	/	/	<=34.77	Pass
			Inner_1RB_Right	17.16	/	/	14.31	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: -0.7dBi;											
Note2: EIRP=Conducted Power+Antenna Gain-2.15											



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2. Frequency Stability

2.1 15k_SISO_5MHz

2.1.1 Test Result

5G NR n71 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	680.5	Outer_Full	20	LV	-9.20	-0.0135	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0125	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0057	>=-2.5 & <=2.5	Pass
50	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	680.5	Outer_Full	20	LV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0071	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0071	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			20	NV	-10.80	-0.0159	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0110	>=-2.5 & <=2.5	Pass
50	NV	-5.50	-0.0081	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	680.5	Outer_Full	20	LV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0075	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0119	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0125	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0066	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0131	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			20	NV	-7.40	-0.0109	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0072	>=-2.5 & <=2.5	Pass
50	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	680.5	Outer_Full	20	LV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0087	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass



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			-10	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass			
			0	NV	-10.00	-0.0147	>=-2.5 & <=2.5	Pass			
			10	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass			
			20	NV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass			
			30	NV	-8.60	-0.0126	>=-2.5 & <=2.5	Pass			
			40	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass			
			50	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	680.5	Outer_Full	20	LV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass			
				HV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass			
						-30	NV	-8.00	-0.0118	>=-2.5 & <=2.5	Pass
						-20	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
						-10	NV	-10.40	-0.0153	>=-2.5 & <=2.5	Pass
						0	NV	-3.60	-0.0053	>=-2.5 & <=2.5	Pass
						10	NV	-4.40	-0.0065	>=-2.5 & <=2.5	Pass
						20	NV	-10.40	-0.0153	>=-2.5 & <=2.5	Pass
						30	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
						40	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-5.00	-0.0073	>=-2.5 & <=2.5	Pass			
				HV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass			
						-30	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
						-20	NV	-3.80	-0.0056	>=-2.5 & <=2.5	Pass
						-10	NV	-4.00	-0.0059	>=-2.5 & <=2.5	Pass
						0	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
						10	NV	-2.20	-0.0032	>=-2.5 & <=2.5	Pass
						20	NV	-5.60	-0.0082	>=-2.5 & <=2.5	Pass
						30	NV	-4.00	-0.0059	>=-2.5 & <=2.5	Pass
						40	NV	-2.40	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-10.80	-0.0159	>=-2.5 & <=2.5	Pass			
				HV	-9.30	-0.0137	>=-2.5 & <=2.5	Pass			
						-30	NV	-8.10	-0.0119	>=-2.5 & <=2.5	Pass
						-20	NV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
						-10	NV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass
						0	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
						10	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
						20	NV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
						30	NV	-8.00	-0.0118	>=-2.5 & <=2.5	Pass
						40	NV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass
			50	NV	-9.20	-0.0135	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-8.70	-0.0128	>=-2.5 & <=2.5	Pass			
				HV	-10.40	-0.0153	>=-2.5 & <=2.5	Pass			
						-30	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
						-20	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
						-10	NV	-10.30	-0.0151	>=-2.5 & <=2.5	Pass
						0	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
						10	NV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass
						20	NV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass



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			30	NV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass
						40	NV	-8.10
			50	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	20	LV	-8.90	-0.0131	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0081	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
			0	NV	-10.30	-0.0151	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0073	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0050	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass

2.2 15k_SISO_10MHz

2.2.1 Test Result

5G NR n71 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	680.5	Outer_Full	20	LV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0087	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass
			-20	NV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0131	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
50	NV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	680.5	Outer_Full	20	LV	-11.00	-0.0162	>=-2.5 & <=2.5	Pass
				HV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
			-30	NV	-10.40	-0.0153	>=-2.5 & <=2.5	Pass
			-20	NV	-11.30	-0.0166	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0138	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0159	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0126	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0138	>=-2.5 & <=2.5	Pass
50	NV	-10.00	-0.0147	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	680.5	Outer_Full	20	LV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
				HV	-10.60	-0.0156	>=-2.5 & <=2.5	Pass



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			-30	NV	-11.40	-0.0168	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0078	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0151	>=-2.5 & <=2.5	Pass
			20	NV	-11.50	-0.0169	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	20	LV	-9.50	-0.0140	>=-2.5 & <=2.5	Pass
				HV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0143	>=-2.5 & <=2.5	Pass
				NV	-11.40	-0.0168	>=-2.5 & <=2.5	Pass
			-10	NV	-11.40	-0.0168	>=-2.5 & <=2.5	Pass
				NV	-7.50	-0.0110	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
				NV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0160	>=-2.5 & <=2.5	Pass
				NV	-8.80	-0.0129	>=-2.5 & <=2.5	Pass
50	NV	-8.80	-0.0129	>=-2.5 & <=2.5	Pass			
	NV	-8.80	-0.0129	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	680.5	Outer_Full	20	LV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
				NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
				NV	-8.60	-0.0126	>=-2.5 & <=2.5	Pass
			10	NV	-12.10	-0.0178	>=-2.5 & <=2.5	Pass
				NV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
			30	NV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass
				NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
50	NV	-5.10	-0.0075	>=-2.5 & <=2.5	Pass			
	NV	-5.10	-0.0075	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-4.30	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
				NV	-7.50	-0.0110	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
				NV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
				NV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass
			30	NV	-7.40	-0.0109	>=-2.5 & <=2.5	Pass
				NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
50	NV	-8.60	-0.0126	>=-2.5 & <=2.5	Pass			
	NV	-8.60	-0.0126	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
				NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
				NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass



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			10	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0107	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0118	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0125	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-5.40	-0.0079	>=-2.5 & <=2.5	Pass
				HV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			30	NV	-8.80	-0.0129	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0138	>=-2.5 & <=2.5	Pass
50	NV	-8.80	-0.0129	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	680.5	Outer_Full	20	LV	-10.90	-0.0160	>=-2.5 & <=2.5	Pass
				HV	-9.00	-0.0132	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			-10	NV	-10.00	-0.0147	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0137	>=-2.5 & <=2.5	Pass
50	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass			

2.3 15k_SISO_15MHz

2.3.1 Test Result

5G NR n71 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	680.5	Outer_Full	20	LV	-9.90	-0.0145	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0126	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0137	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0125	>=-2.5 & <=2.5	Pass
			-10	NV	-10.10	-0.0148	>=-2.5 & <=2.5	Pass
			0	NV	-10.30	-0.0151	>=-2.5 & <=2.5	Pass
			10	NV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass
			30	NV	-11.70	-0.0172	>=-2.5 & <=2.5	Pass
			40	NV	-12.00	-0.0176	>=-2.5 & <=2.5	Pass
50	NV	-11.90	-0.0175	>=-2.5 & <=2.5	Pass			



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DFT-s-OFDM QPSK	680.5	Outer_Full	20	LV	-9.40	-0.0138	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.40	-0.0153	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-10.30	-0.0151	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.40	-0.0182	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-10.90	-0.0160	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.30	-0.0151	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.60	-0.0112	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-11.20	-0.0165	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-14.20	-0.0209	≥ -2.5 & ≤ 2.5	Pass
40	NV	-9.00	-0.0132	≥ -2.5 & ≤ 2.5	Pass			
50	NV	-11.70	-0.0172	≥ -2.5 & ≤ 2.5	Pass			
DFT-s-OFDM 16 QAM	680.5	Outer_Full	20	LV	-10.50	-0.0154	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.70	-0.0157	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-11.10	-0.0163	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.90	-0.0131	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-10.70	-0.0157	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-11.40	-0.0168	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-11.90	-0.0175	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-10.80	-0.0159	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.10	-0.0148	≥ -2.5 & ≤ 2.5	Pass
40	NV	-10.90	-0.0160	≥ -2.5 & ≤ 2.5	Pass			
50	NV	-11.00	-0.0162	≥ -2.5 & ≤ 2.5	Pass			
DFT-s-OFDM 64 QAM	680.5	Outer_Full	20	LV	-12.30	-0.0181	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.00	-0.0147	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-13.90	-0.0204	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.60	-0.0185	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-12.90	-0.0190	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.70	-0.0157	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-12.00	-0.0176	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-11.90	-0.0175	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.30	-0.0137	≥ -2.5 & ≤ 2.5	Pass
40	NV	-12.90	-0.0190	≥ -2.5 & ≤ 2.5	Pass			
50	NV	-9.70	-0.0143	≥ -2.5 & ≤ 2.5	Pass			
DFT-s-OFDM 256 QAM	680.5	Outer_Full	20	LV	-6.40	-0.0094	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.80	-0.0129	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.30	-0.0122	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.60	-0.0082	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.30	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.00	-0.0088	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.50	-0.0066	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0090	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.60	-0.0068	≥ -2.5 & ≤ 2.5	Pass
40	NV	-10.30	-0.0151	≥ -2.5 & ≤ 2.5	Pass			
50	NV	-7.00	-0.0103	≥ -2.5 & ≤ 2.5	Pass			
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-10.20	-0.0150	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.80	-0.0129	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.20	-0.0120	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.90	-0.0101	≥ -2.5 & ≤ 2.5	Pass



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			-10	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
			40	NV	-9.90	-0.0145	>=-2.5 & <=2.5	Pass
			50	NV	-9.90	-0.0145	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
				HV	-4.10	-0.0060	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0048	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0106	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0071	>=-2.5 & <=2.5	Pass
			0	NV	-10.00	-0.0147	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0131	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
50	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-8.90	-0.0131	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0125	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0128	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0110	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0128	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0113	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0094	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass
50	NV	-5.40	-0.0079	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	680.5	Outer_Full	20	LV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0137	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0140	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0078	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0075	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0141	>=-2.5 & <=2.5	Pass
50	NV	-7.80	-0.0115	>=-2.5 & <=2.5	Pass			

2.4 15k_SISO_20MHz

2.4.1 Test Result

5G NR n71 SCS=15kHz SISO 20MHz



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Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	680.5	Outer_Full	20	LV	-2.20	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0037	>=-2.5 & <=2.5	Pass
				NV	-3.10	-0.0046	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0054	>=-2.5 & <=2.5	Pass
				0	NV	-1.00	-0.0015	>=-2.5 & <=2.5
			10	NV	-4.10	-0.0060	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0051	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0054	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0073	>=-2.5 & <=2.5	Pass
50	NV	-4.20	-0.0062	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	680.5	Outer_Full	20	LV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0026	>=-2.5 & <=2.5	Pass
				NV	1.60	0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0050	>=-2.5 & <=2.5	Pass
				0	NV	-2.00	-0.0029	>=-2.5 & <=2.5
			10	NV	-3.60	-0.0053	>=-2.5 & <=2.5	Pass
			20	NV	-1.20	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-2.00	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0022	>=-2.5 & <=2.5	Pass
50	NV	-4.40	-0.0065	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	680.5	Outer_Full	20	LV	-3.50	-0.0051	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0043	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0037	>=-2.5 & <=2.5	Pass
				NV	-0.40	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0072	>=-2.5 & <=2.5	Pass
				0	NV	-3.10	-0.0046	>=-2.5 & <=2.5
			10	NV	-2.60	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0028	>=-2.5 & <=2.5	Pass
50	NV	-2.90	-0.0043	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	680.5	Outer_Full	20	LV	-0.20	-0.0003	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0054	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0066	>=-2.5 & <=2.5	Pass
				NV	1.50	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-1.90	-0.0028	>=-2.5 & <=2.5	Pass
				0	NV	-3.40	-0.0050	>=-2.5 & <=2.5
			10	NV	-4.90	-0.0072	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0051	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0046	>=-2.5 & <=2.5	Pass
			40	NV	1.90	0.0028	>=-2.5 & <=2.5	Pass
50	NV	0.60	0.0009	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	680.5	Outer_Full	20	LV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass



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			-30	NV	-7.10	-0.0104	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0135	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0081	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0082	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			50	NV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-8.10	-0.0119	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0145	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0128	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0073	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-10.50	-0.0154	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0112	>=-2.5 & <=2.5	Pass
			-30	NV	-4.60	-0.0068	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0082	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0087	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0068	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0131	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-8.20	-0.0120	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0126	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0135	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0097	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0134	>=-2.5 & <=2.5	Pass
			30	NV	-8.40	-0.0123	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	20	LV	-7.90	-0.0116	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			-30	NV	-8.50	-0.0125	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0088	>=-2.5 & <=2.5	Pass
			-10	NV	-8.30	-0.0122	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0100	>=-2.5 & <=2.5	Pass



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			10	NV	-5.20	-0.0076	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-10.00	-0.0147	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.30	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.00	-0.0118	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.80	-0.0115	≥ -2.5 & ≤ 2.5	Pass



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3. 99% & 26dB Bandwidth

3.1 15k_SISO_5MHz_NTNV

3.1.1 Test Result

5G NR n71 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	665.5	Outer_Full	4.53	5.07	/	Pass
	680.5	Outer_Full	4.53	5.06	/	Pass
	695.5	Outer_Full	4.52	5.05	/	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	4.51	5.01	/	Pass
	680.5	Outer_Full	4.53	5.03	/	Pass
	695.5	Outer_Full	4.52	5.00	/	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	4.54	5.06	/	Pass
	680.5	Outer_Full	4.54	5.06	/	Pass
	695.5	Outer_Full	4.53	5.04	/	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	4.54	5.04	/	Pass
	680.5	Outer_Full	4.54	5.04	/	Pass
	695.5	Outer_Full	4.53	5.03	/	Pass
DFT-s-OFDM 256 QAM	665.5	Outer_Full	4.50	5.03	/	Pass
	680.5	Outer_Full	4.53	5.04	/	Pass
	695.5	Outer_Full	4.53	5.06	/	Pass
CP-OFDM QPSK	665.5	Outer_Full	4.52	5.01	/	Pass
	680.5	Outer_Full	4.53	5.08	/	Pass
	695.5	Outer_Full	4.53	5.10	/	Pass
CP-OFDM 16 QAM	665.5	Outer_Full	4.54	5.06	/	Pass
	680.5	Outer_Full	4.54	5.04	/	Pass
	695.5	Outer_Full	4.57	5.08	/	Pass
CP-OFDM 64 QAM	665.5	Outer_Full	4.52	5.05	/	Pass
	680.5	Outer_Full	4.52	5.04	/	Pass
	695.5	Outer_Full	4.54	5.08	/	Pass
CP-OFDM 256 QAM	665.5	Outer_Full	4.53	5.09	/	Pass
	680.5	Outer_Full	4.54	5.09	/	Pass
	695.5	Outer_Full	4.54	5.05	/	Pass



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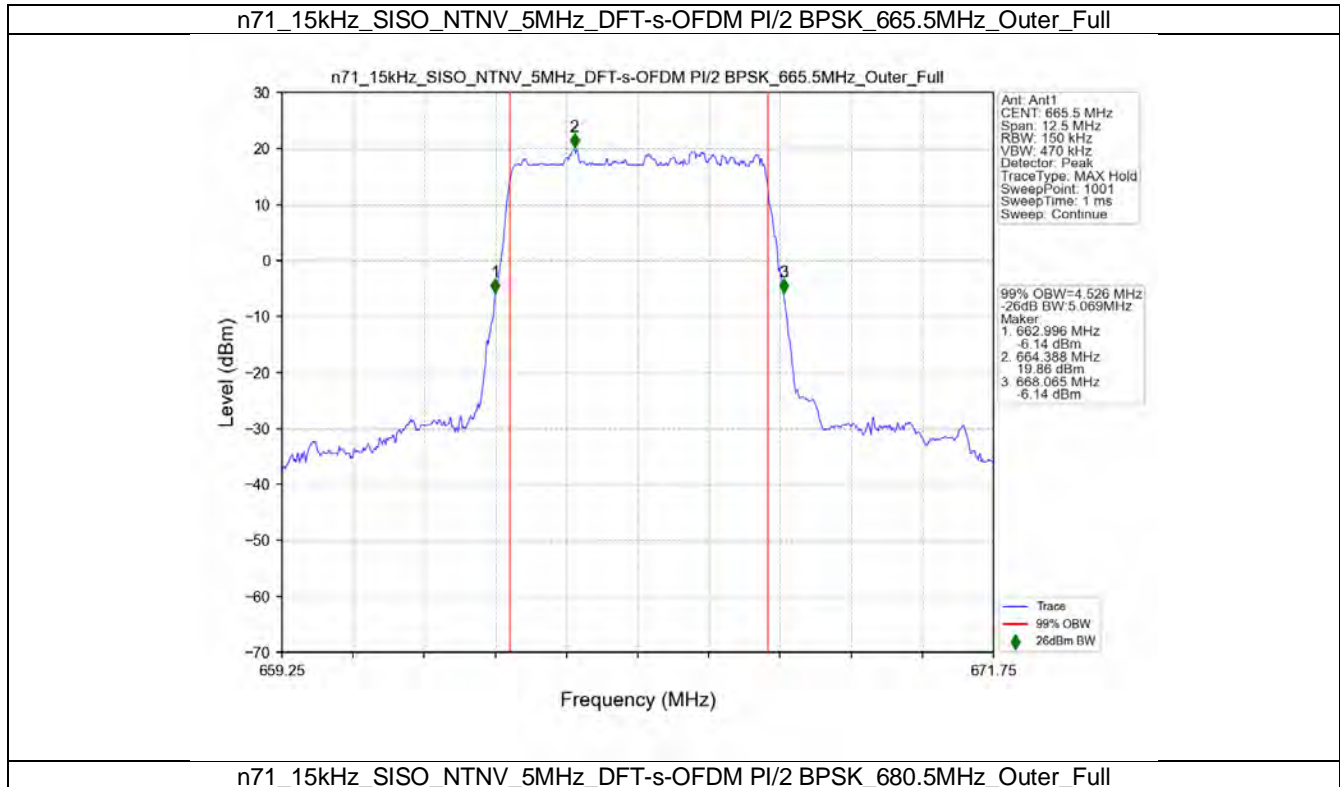


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3.1.2 Test Graph



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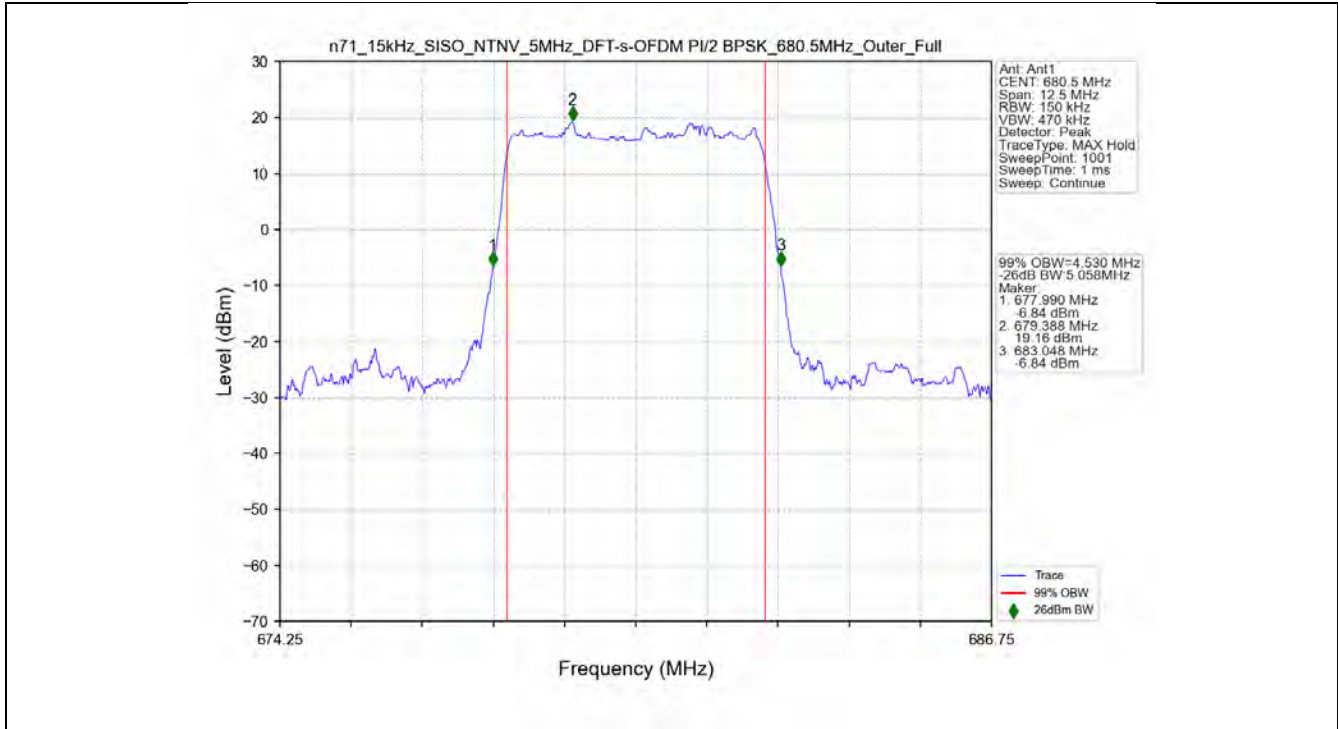


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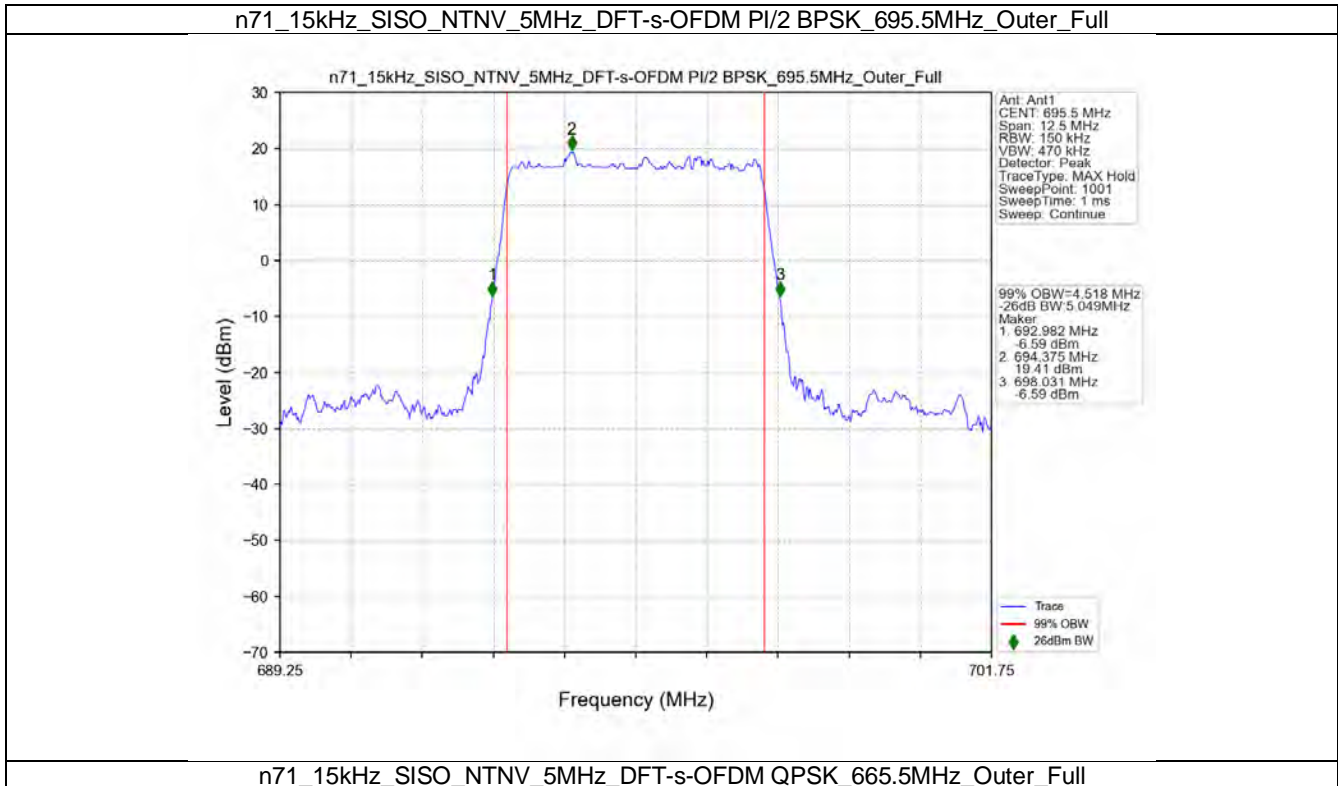


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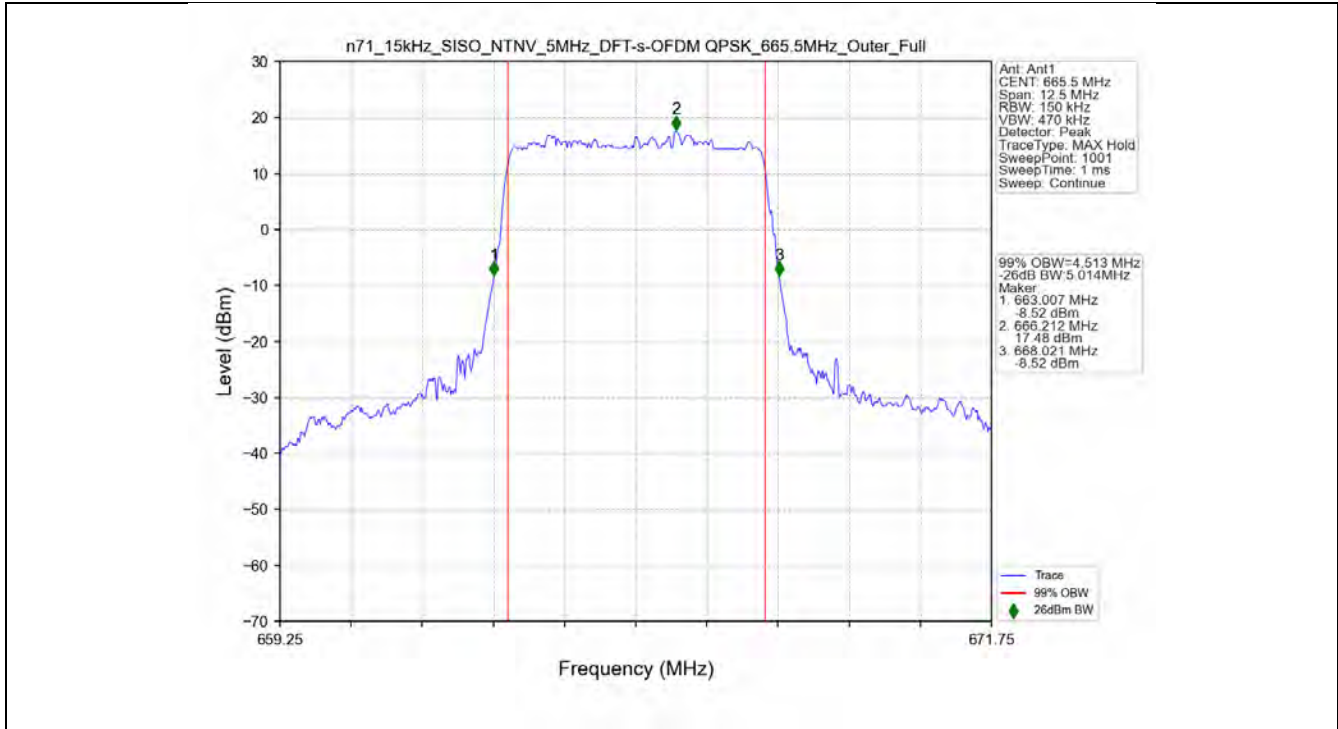


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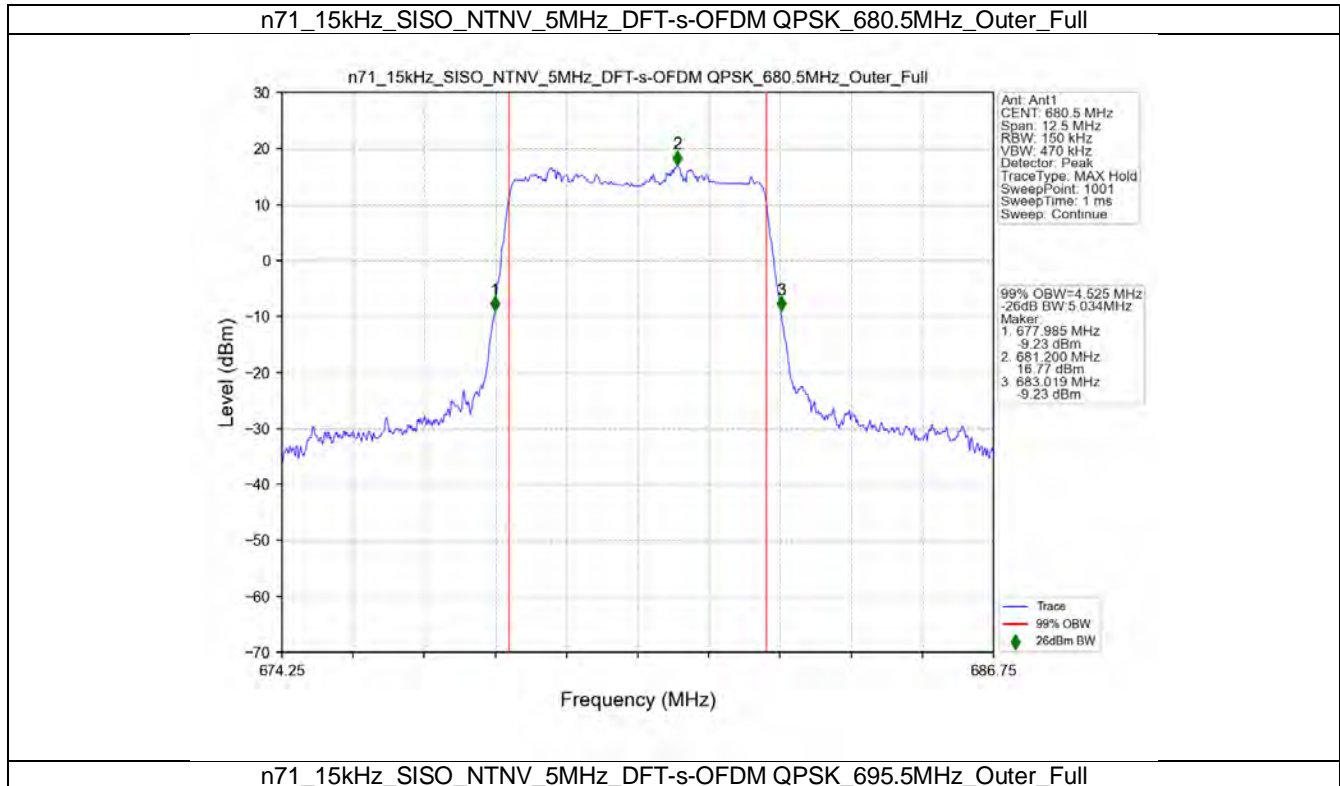


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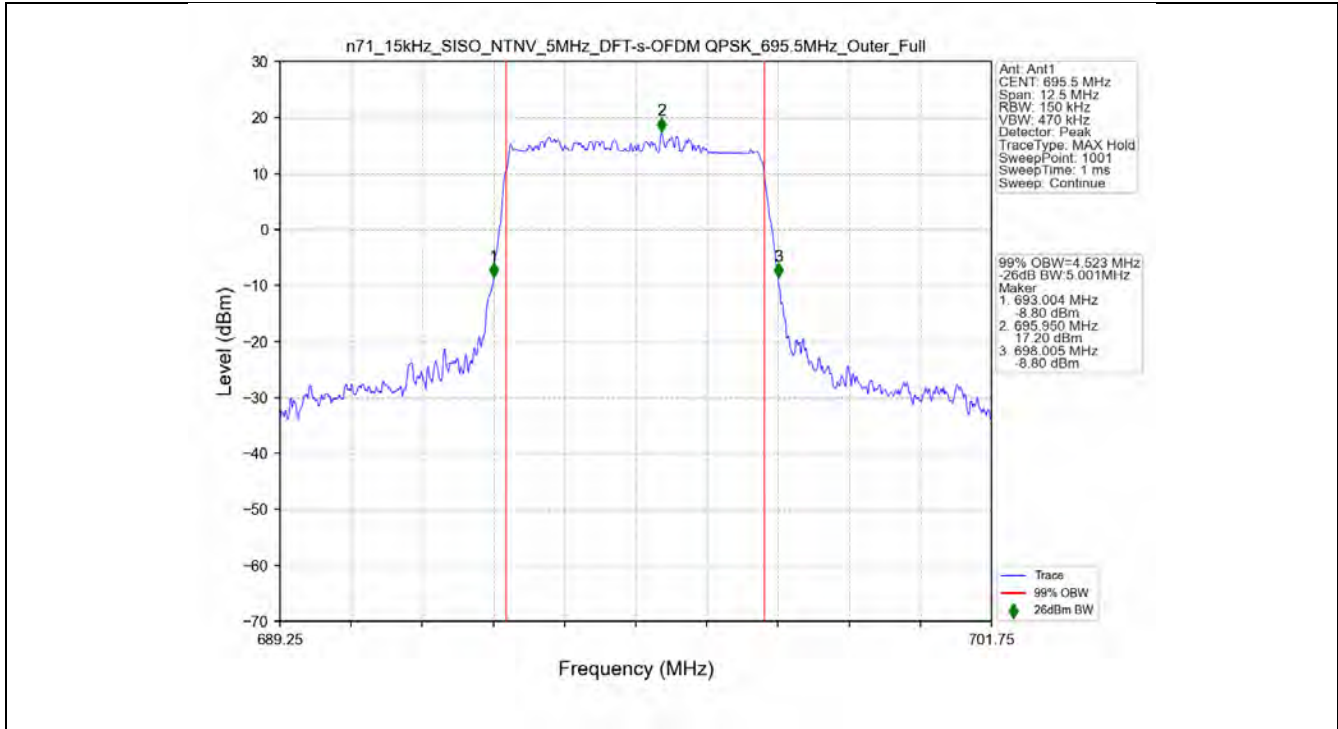


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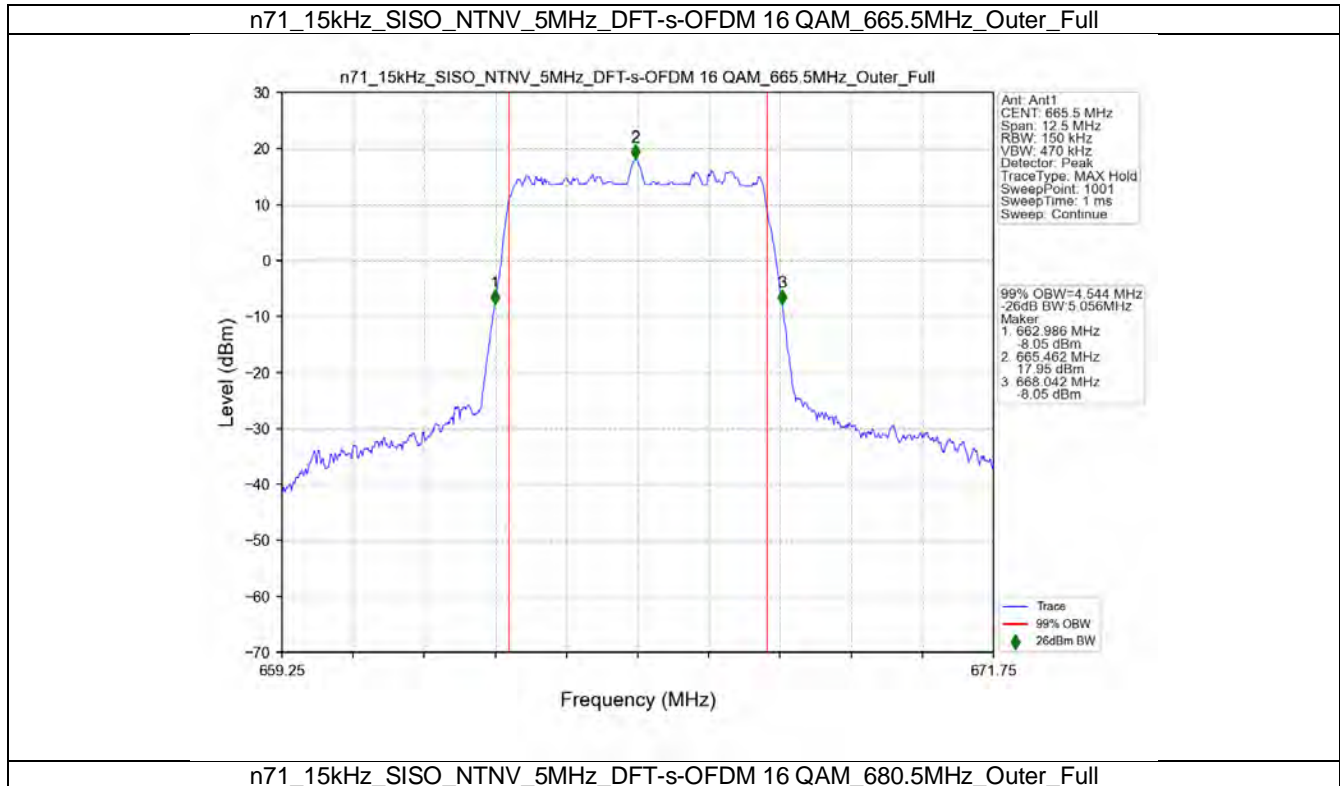


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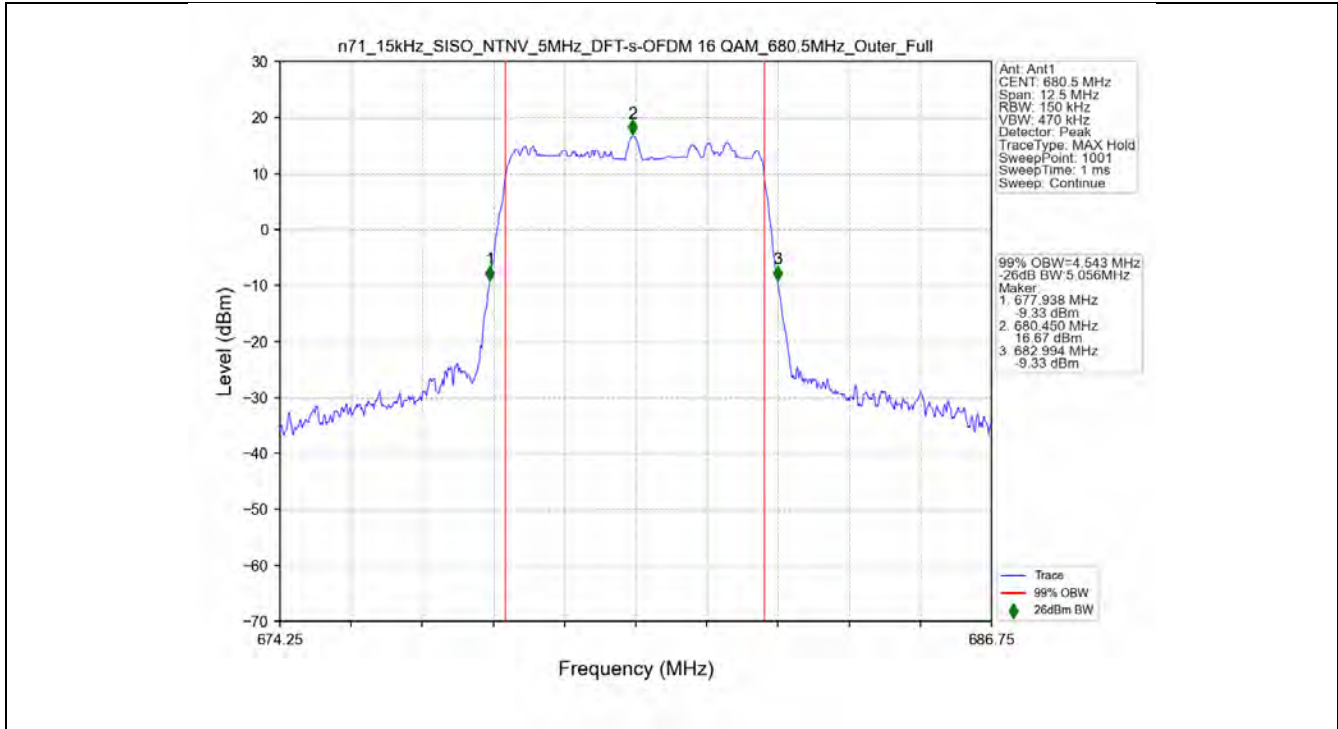


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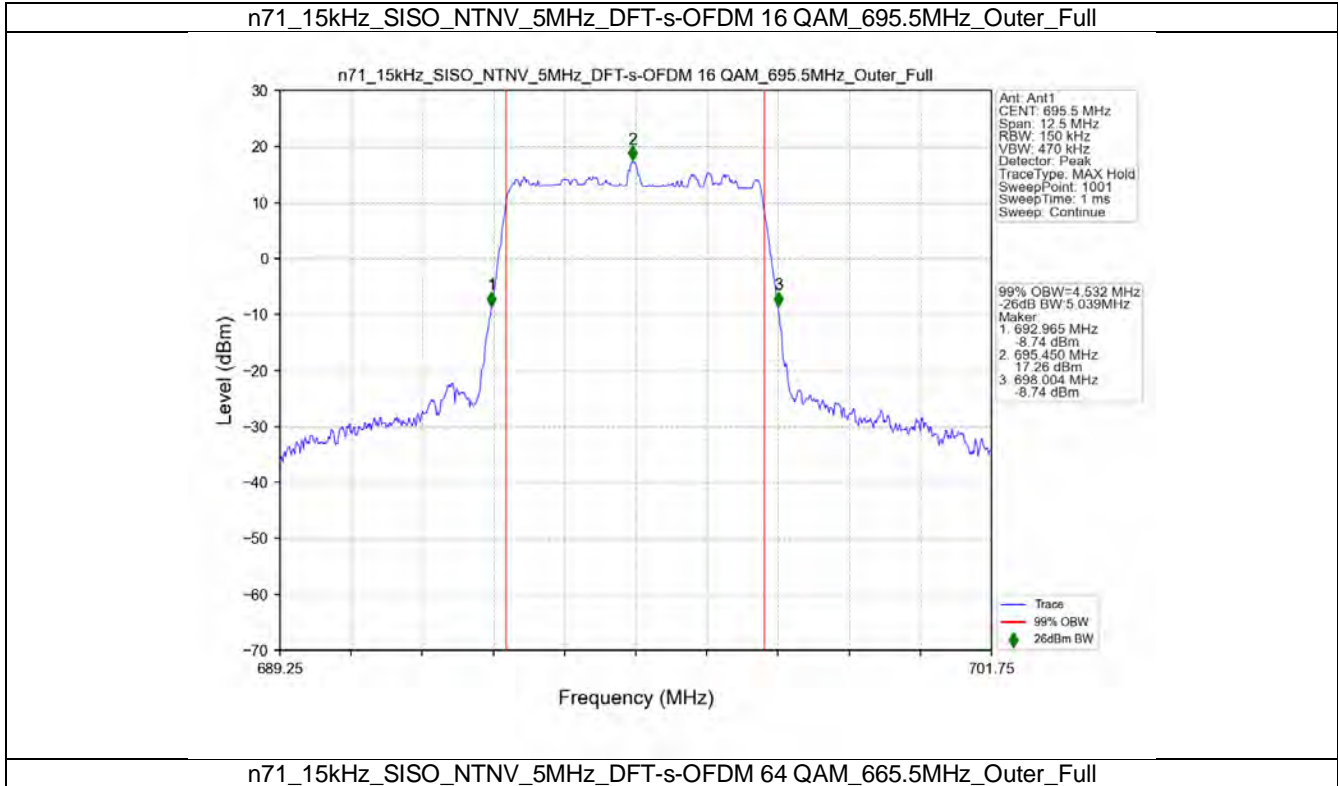


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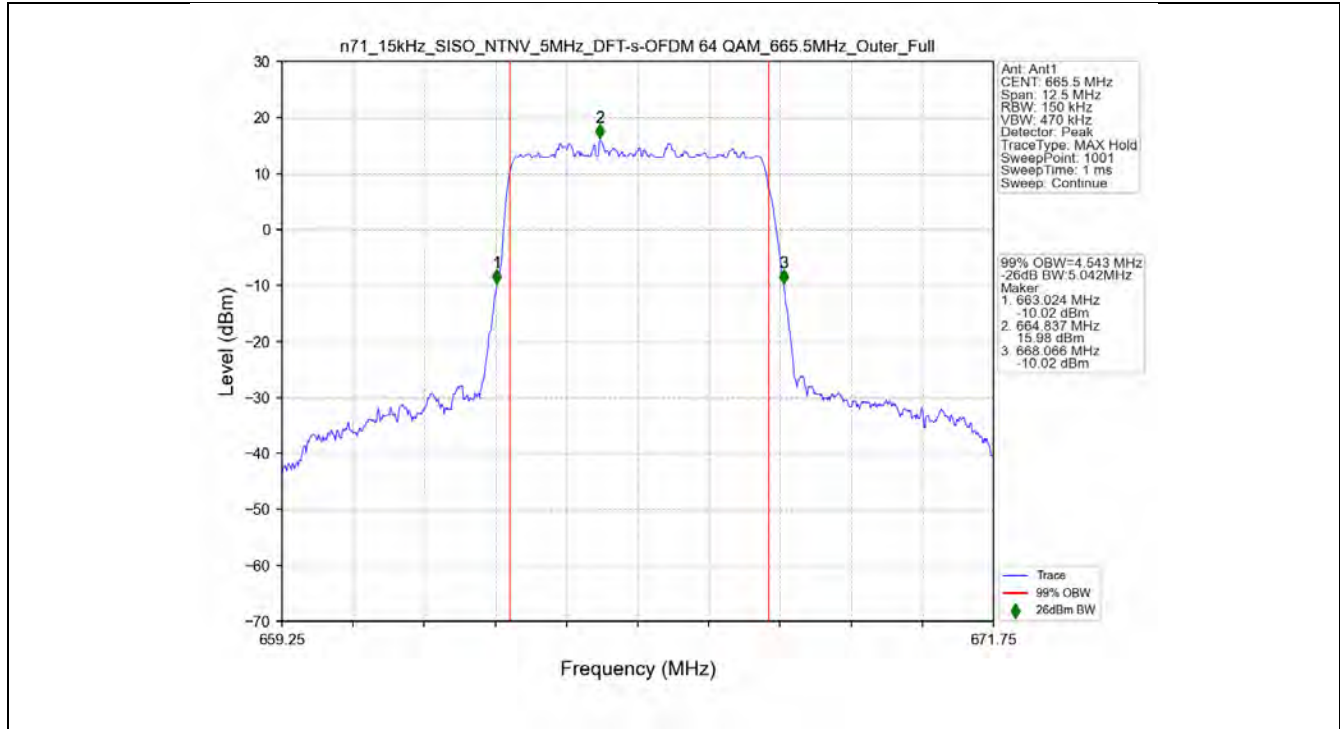


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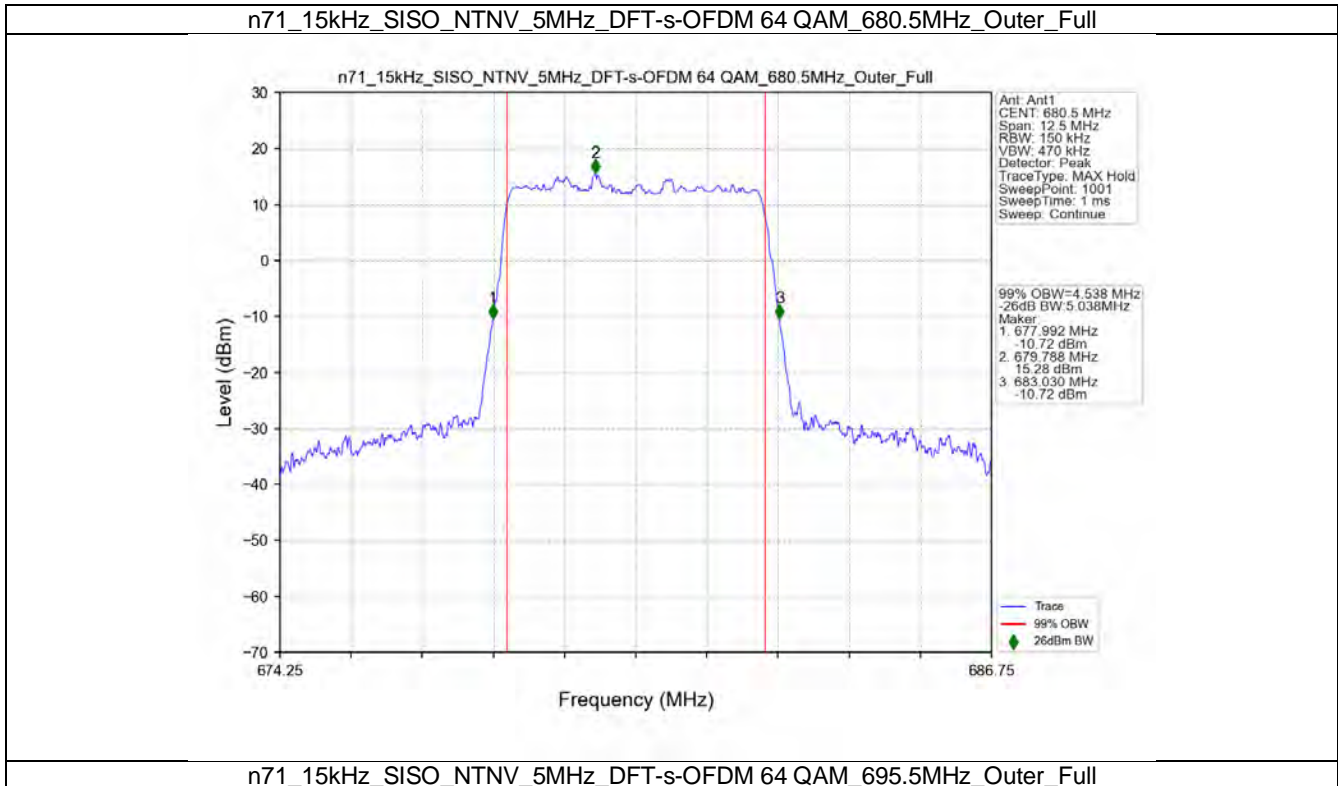


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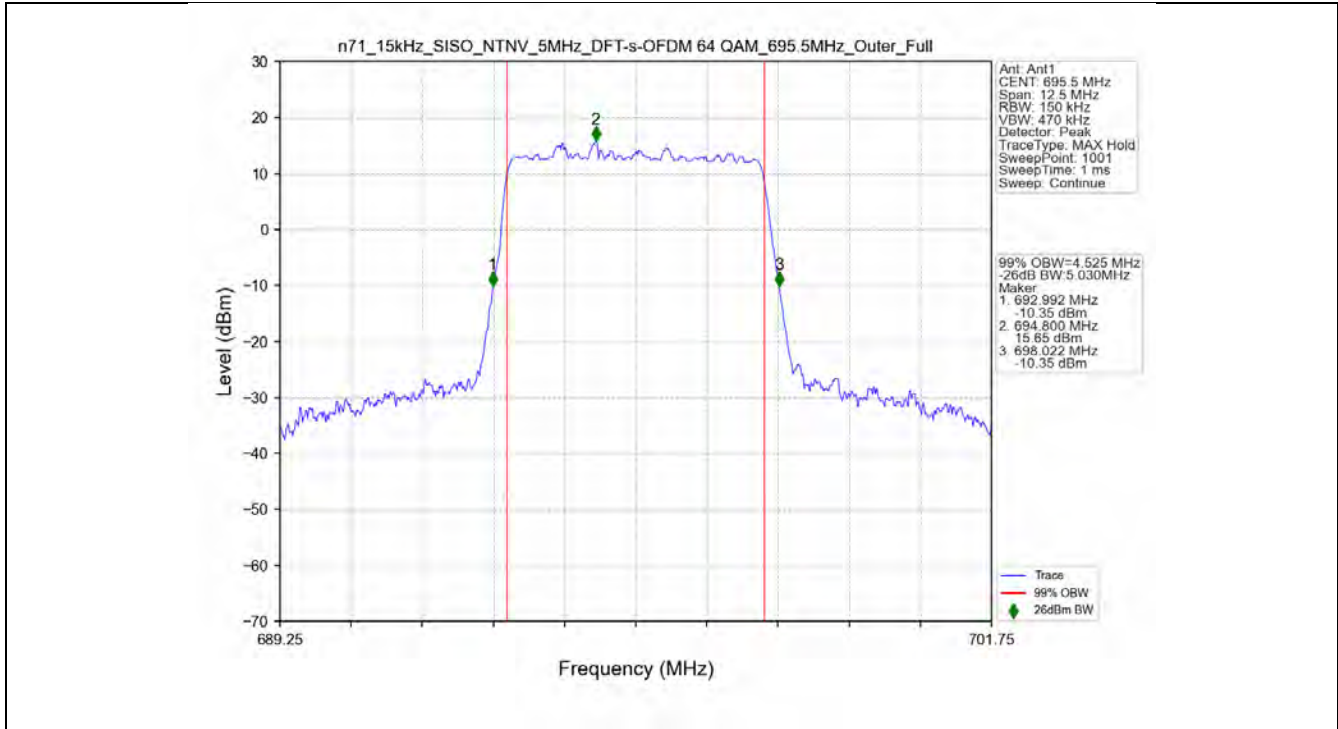


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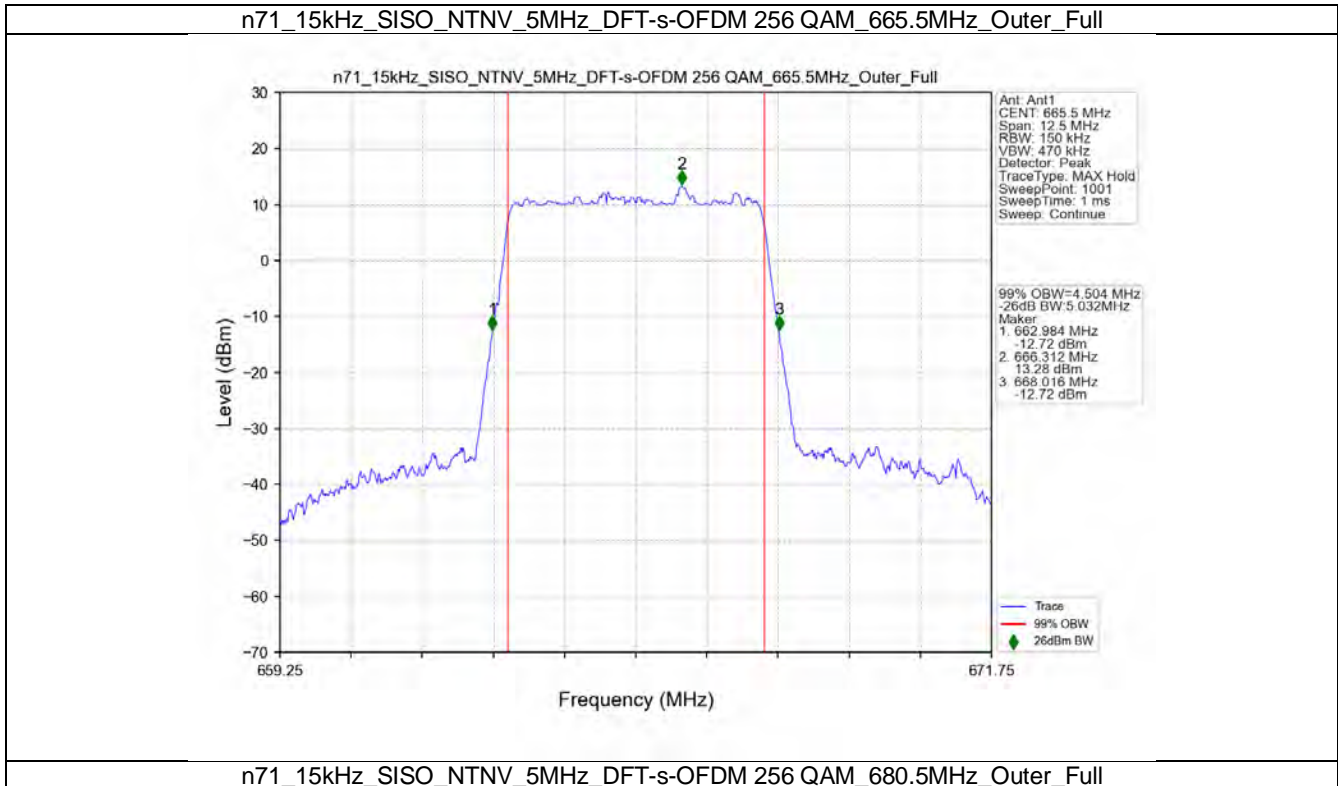


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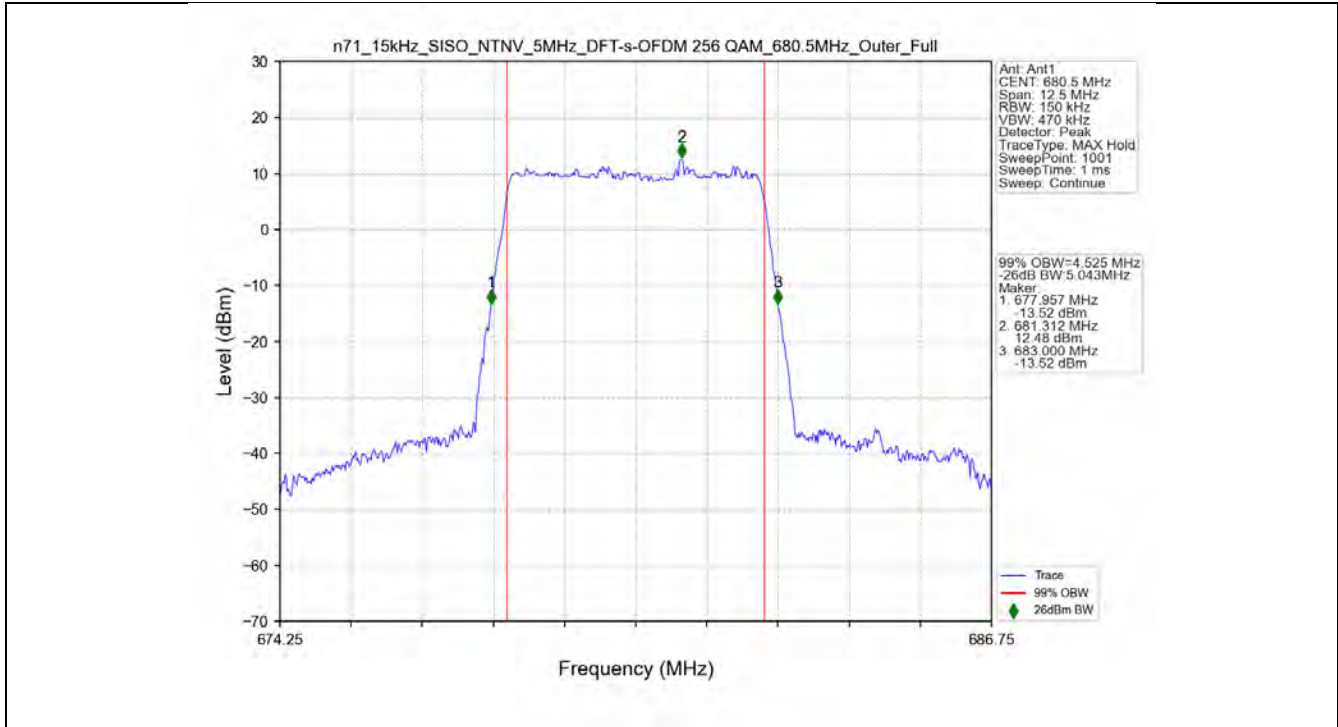


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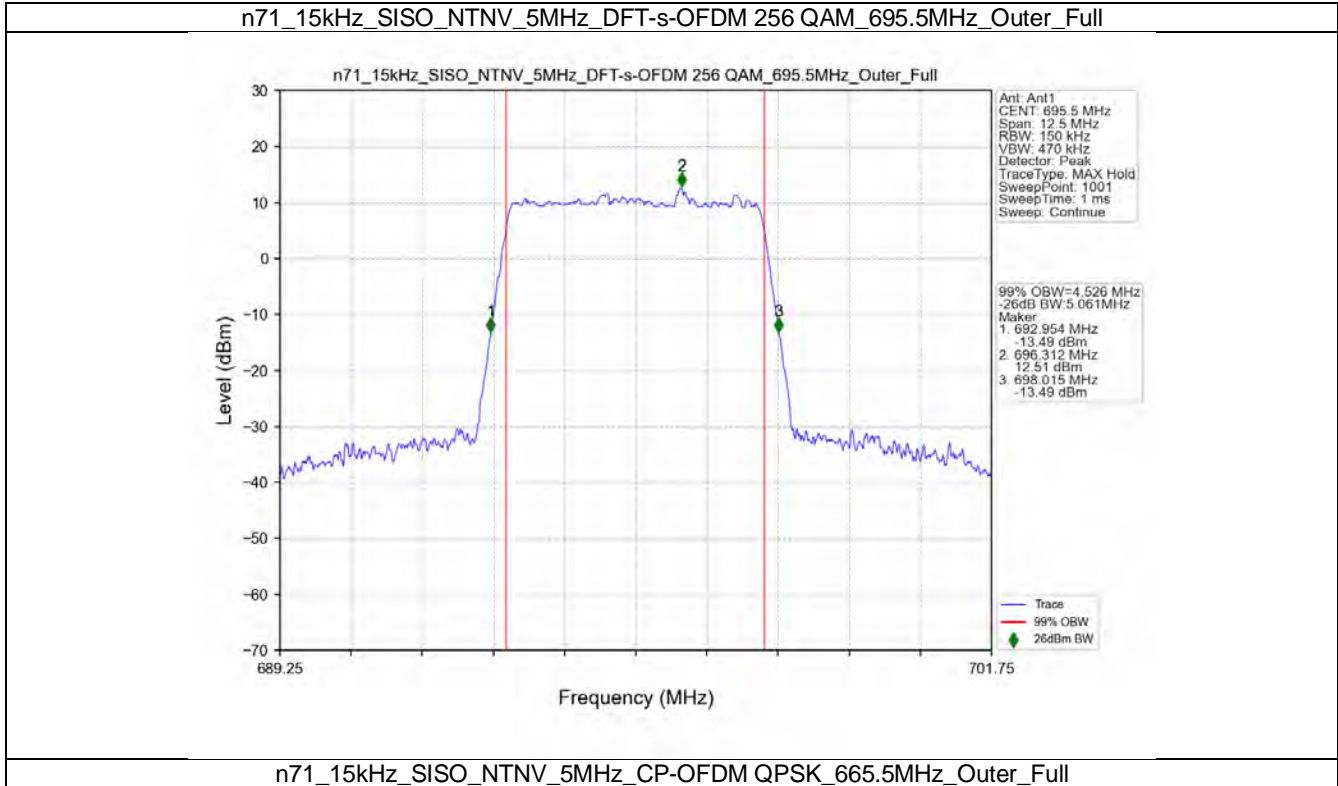


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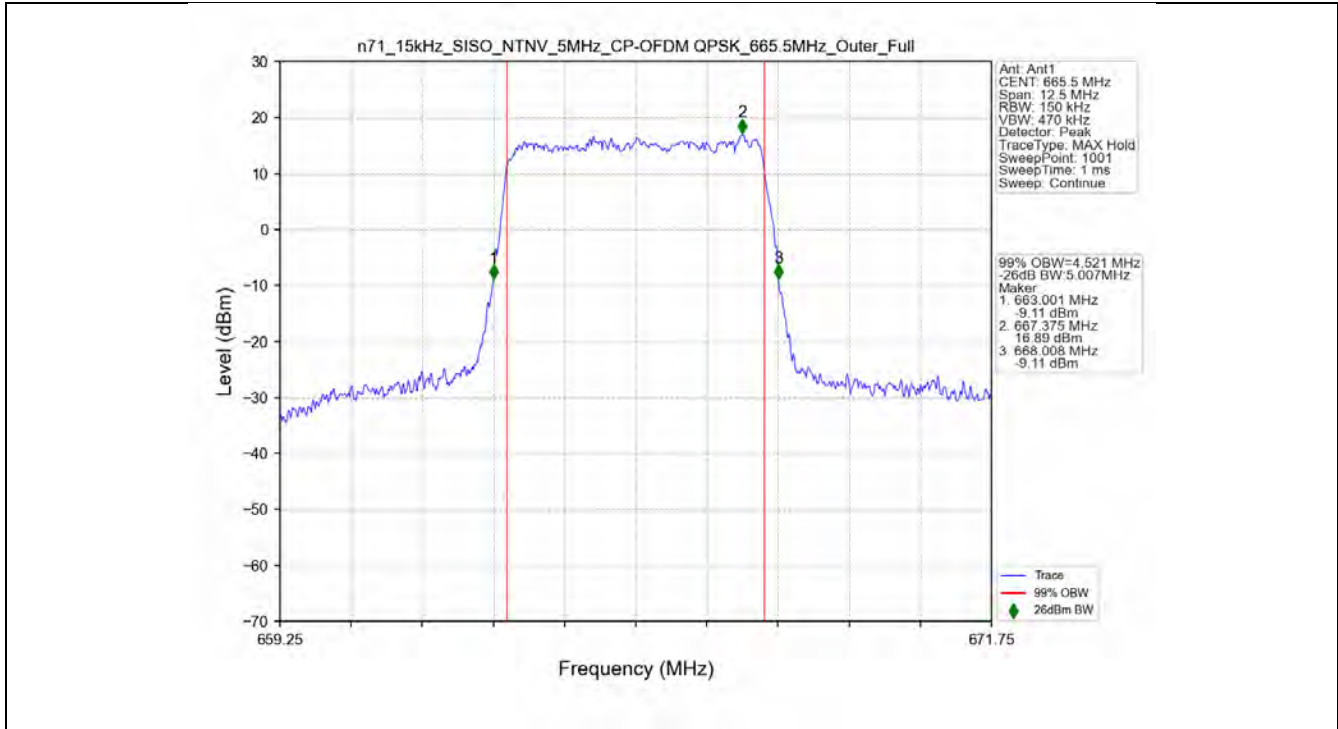


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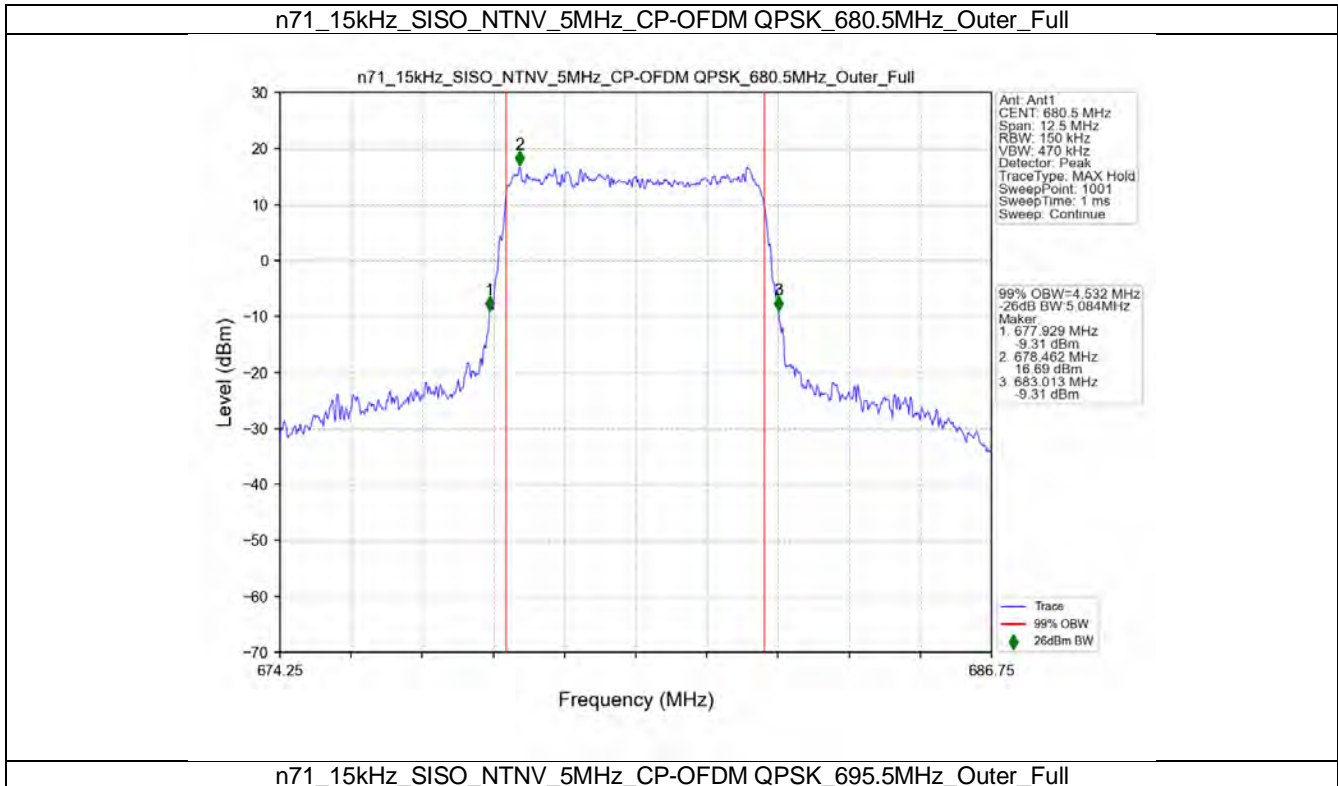


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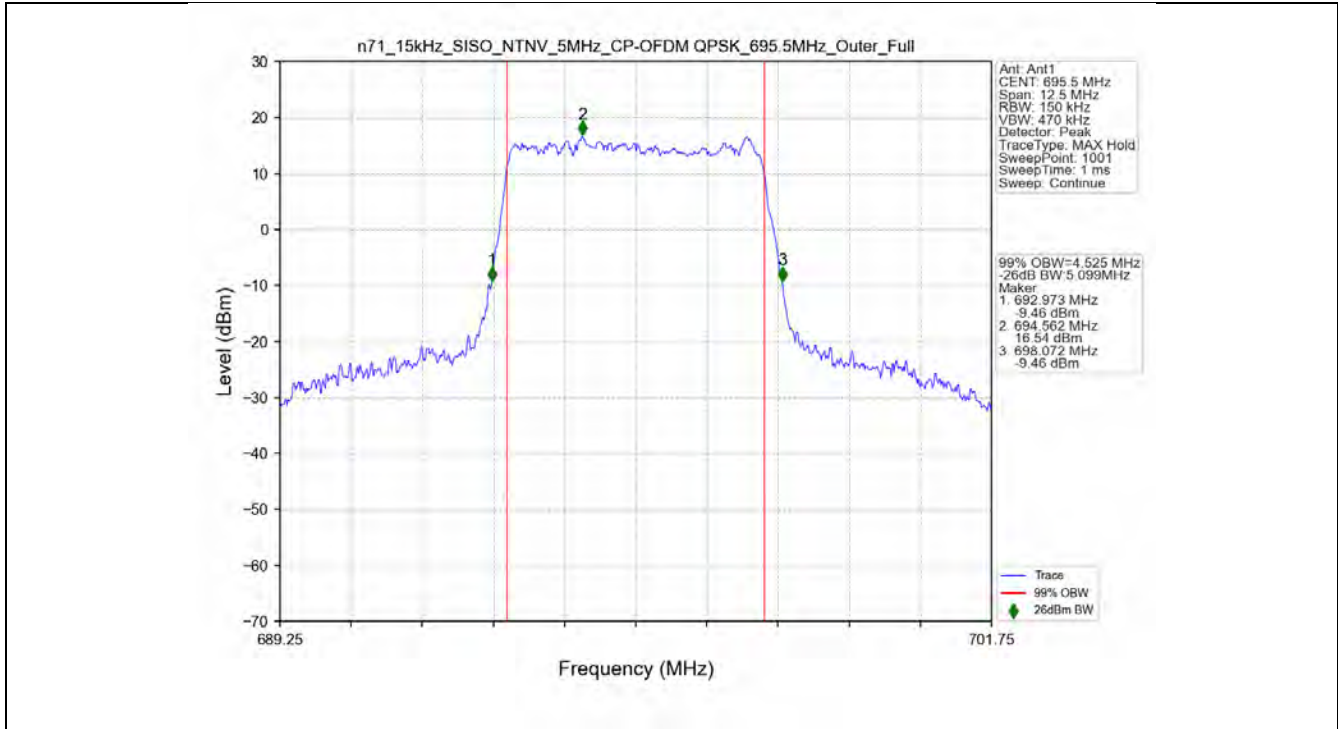


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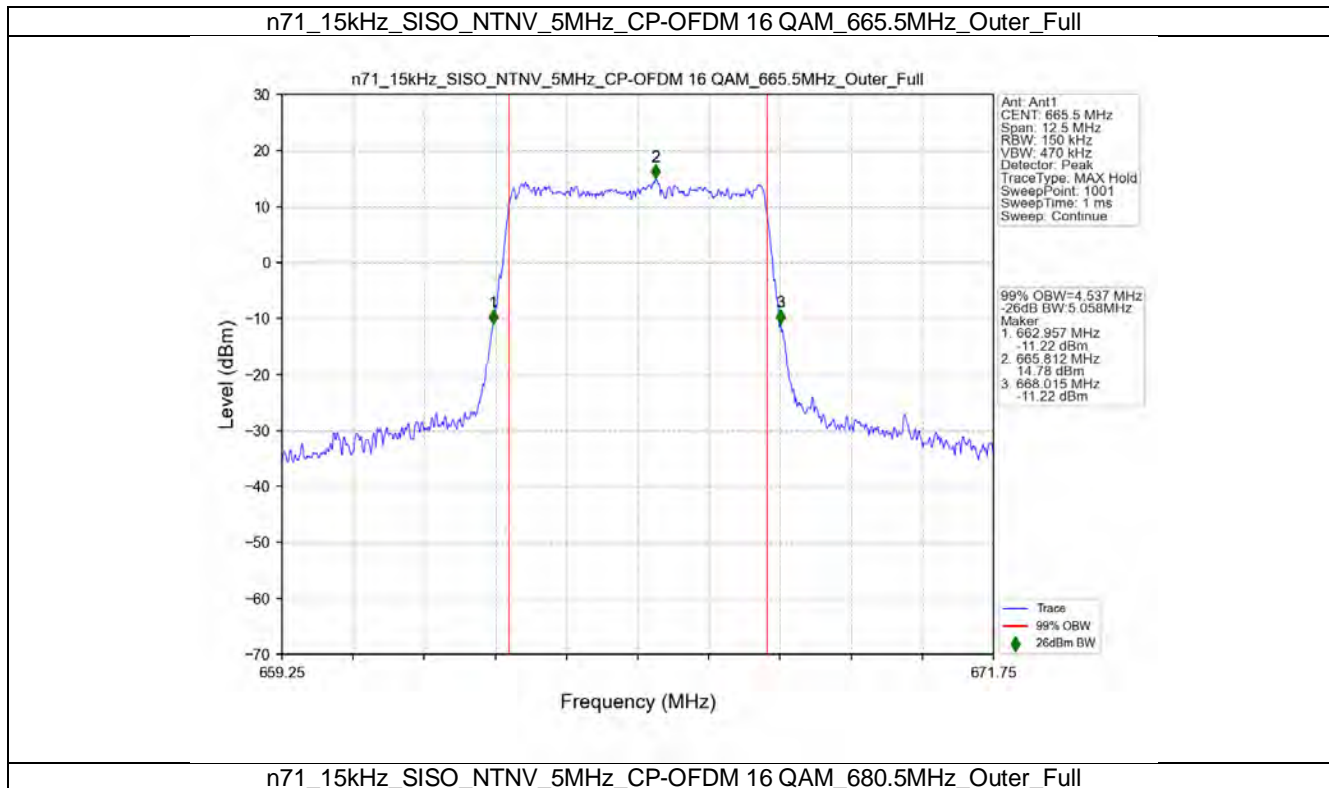
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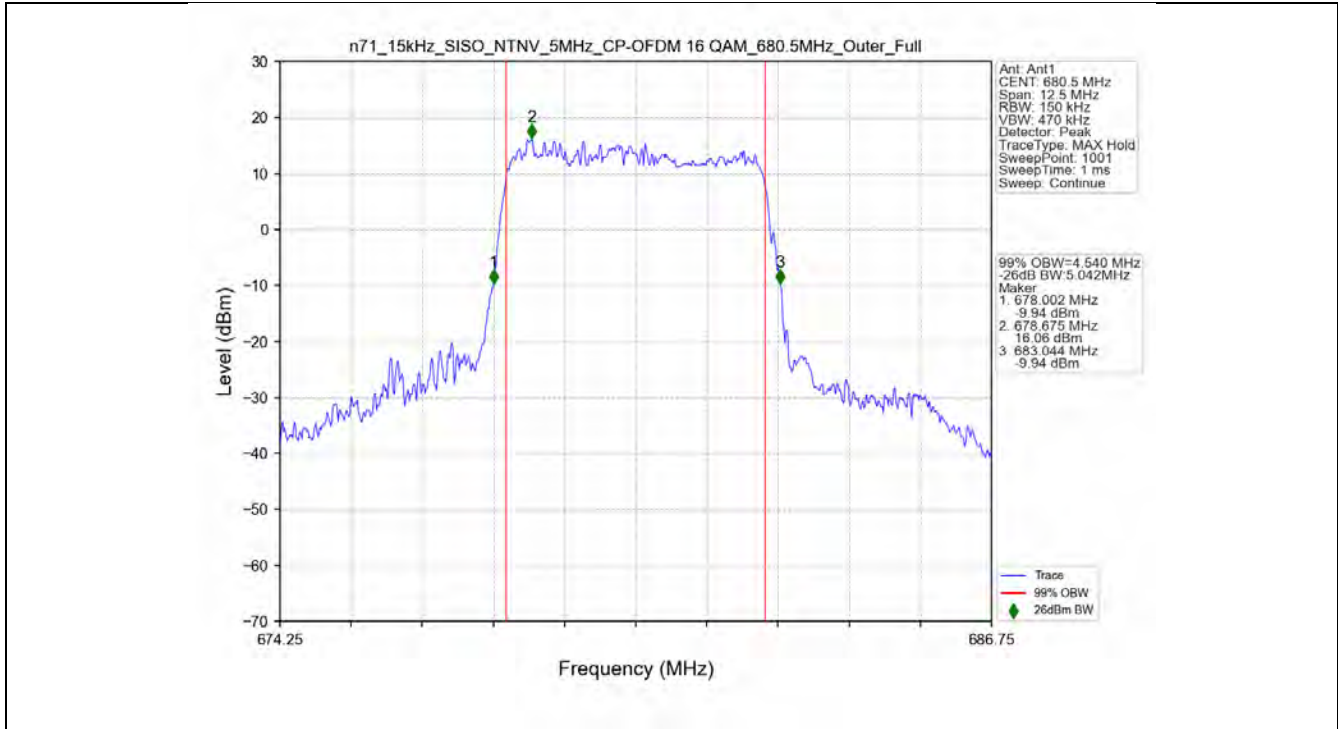


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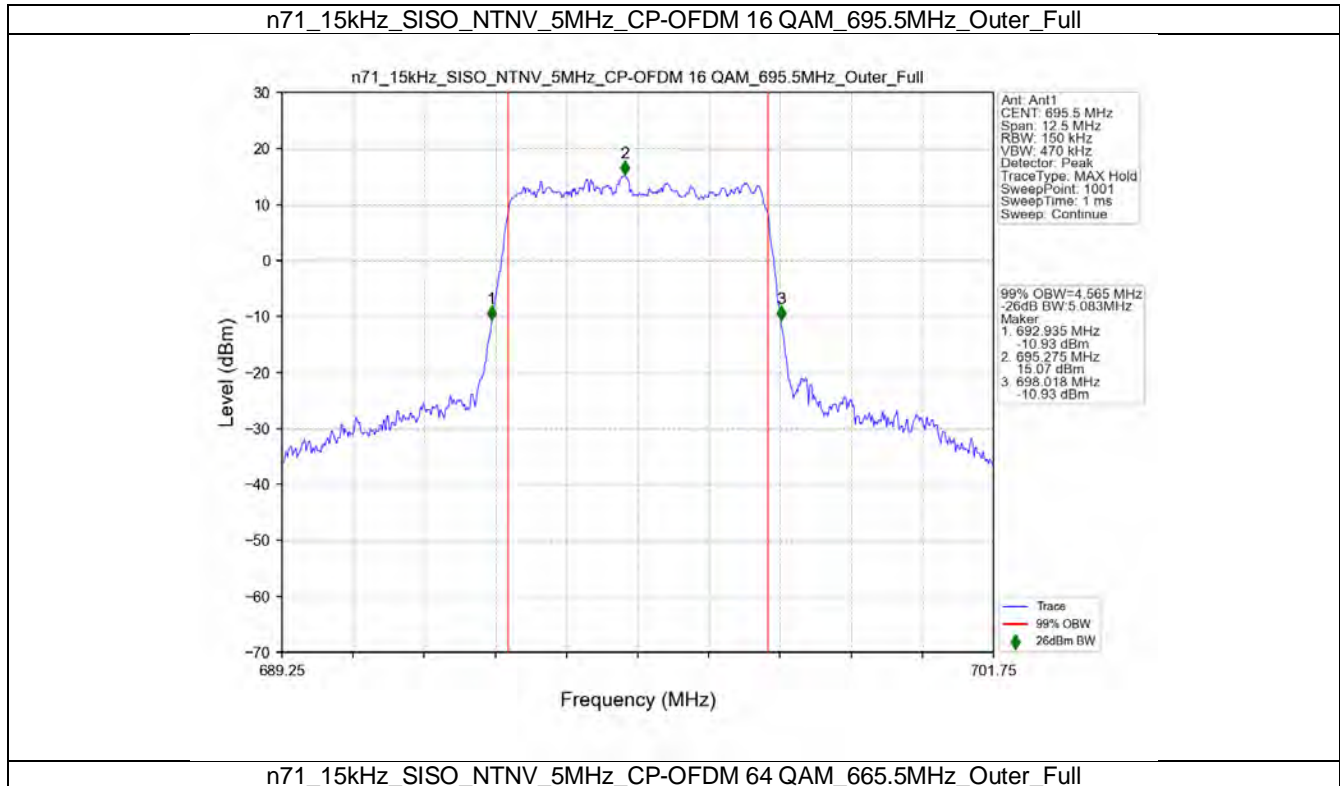


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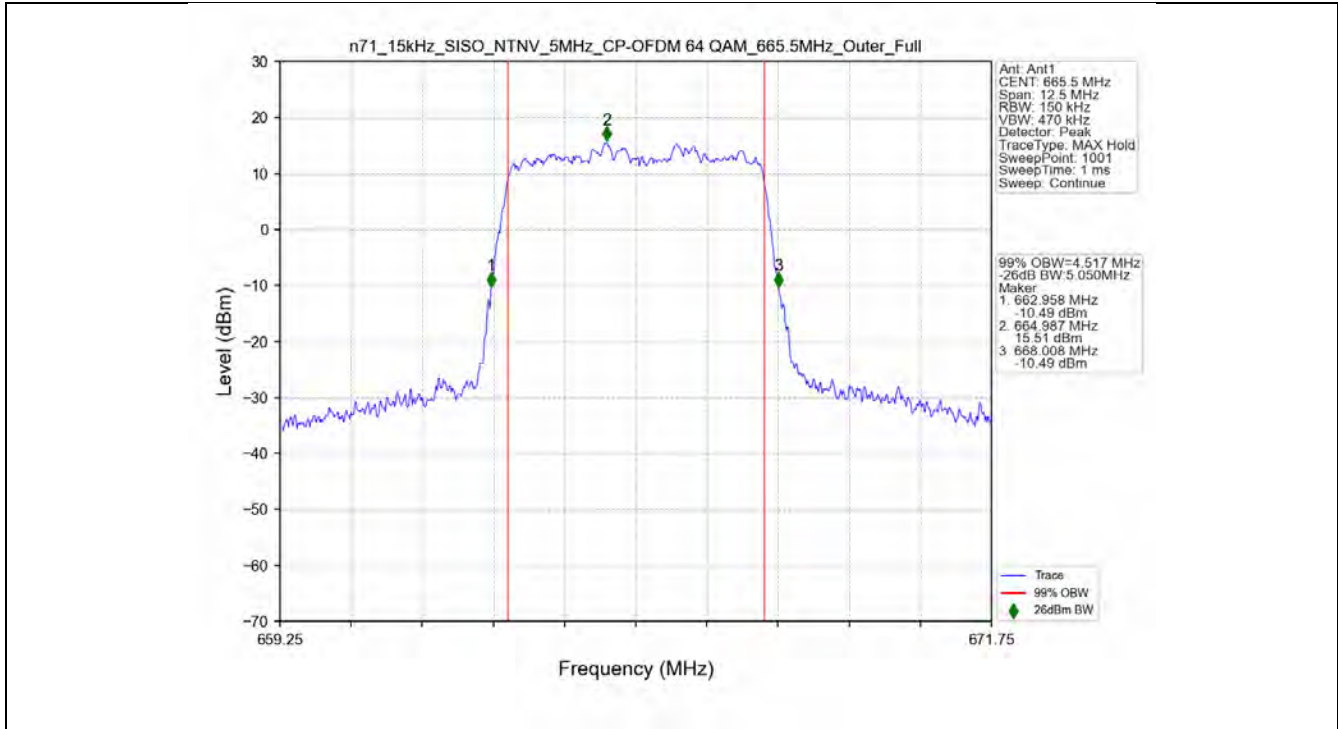


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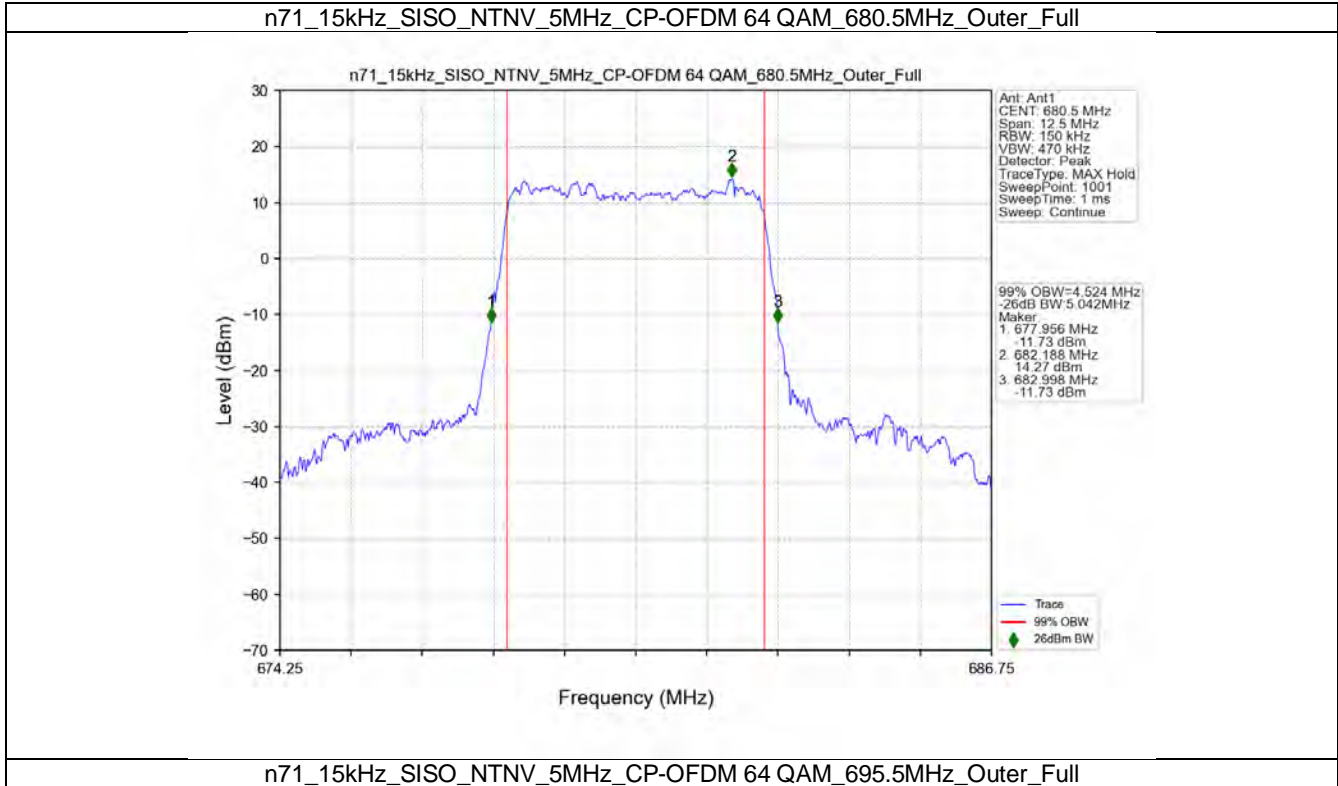


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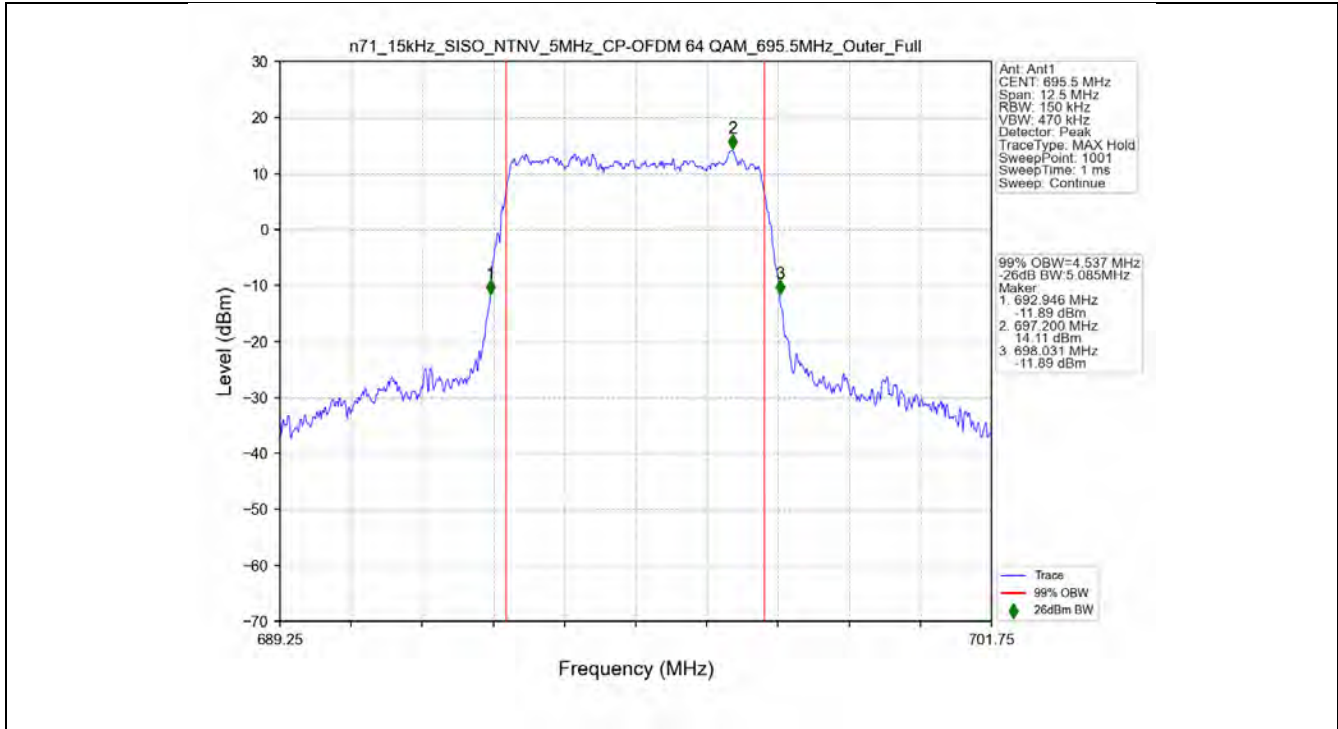


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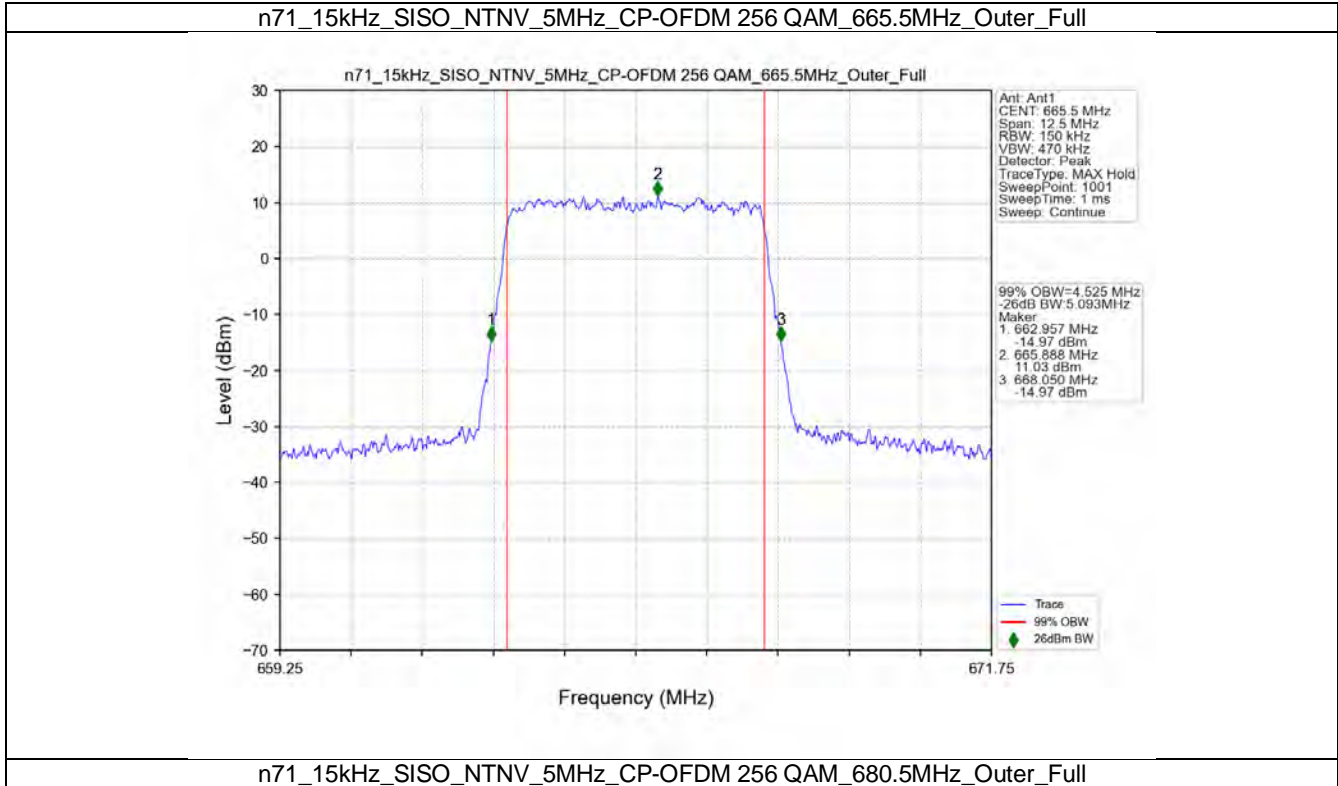


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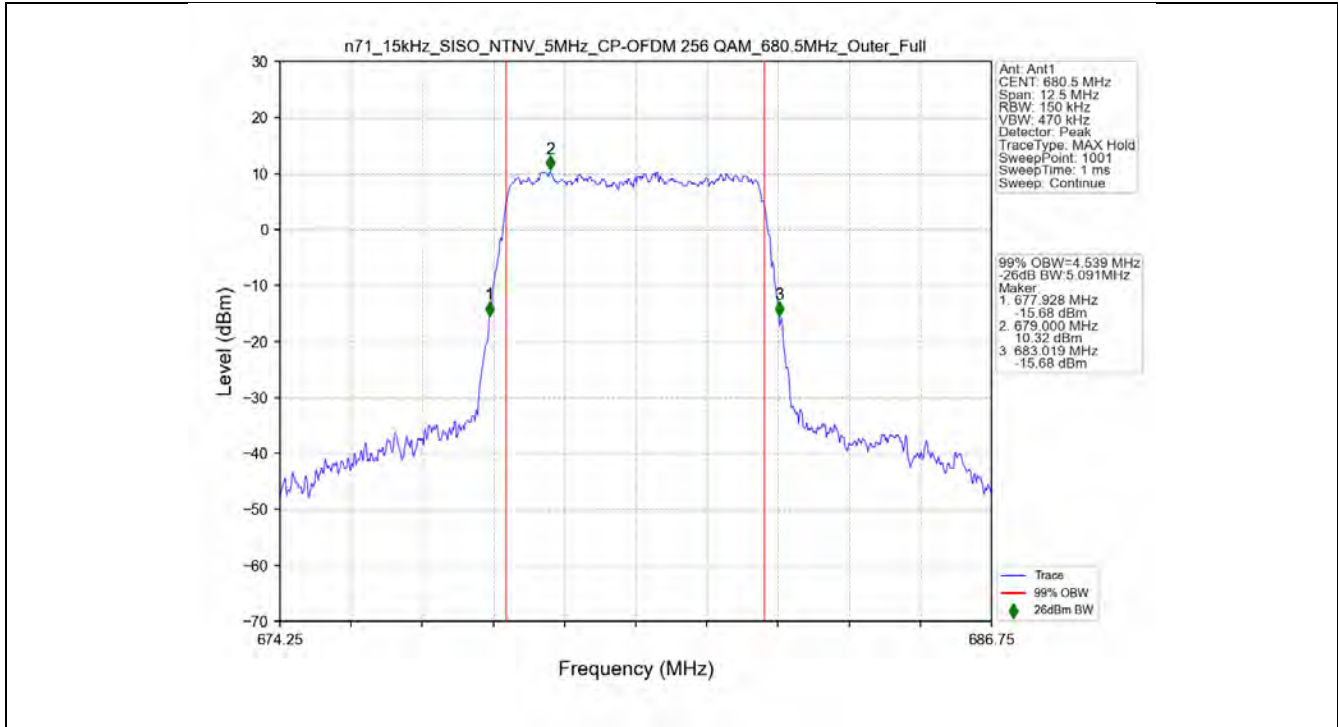


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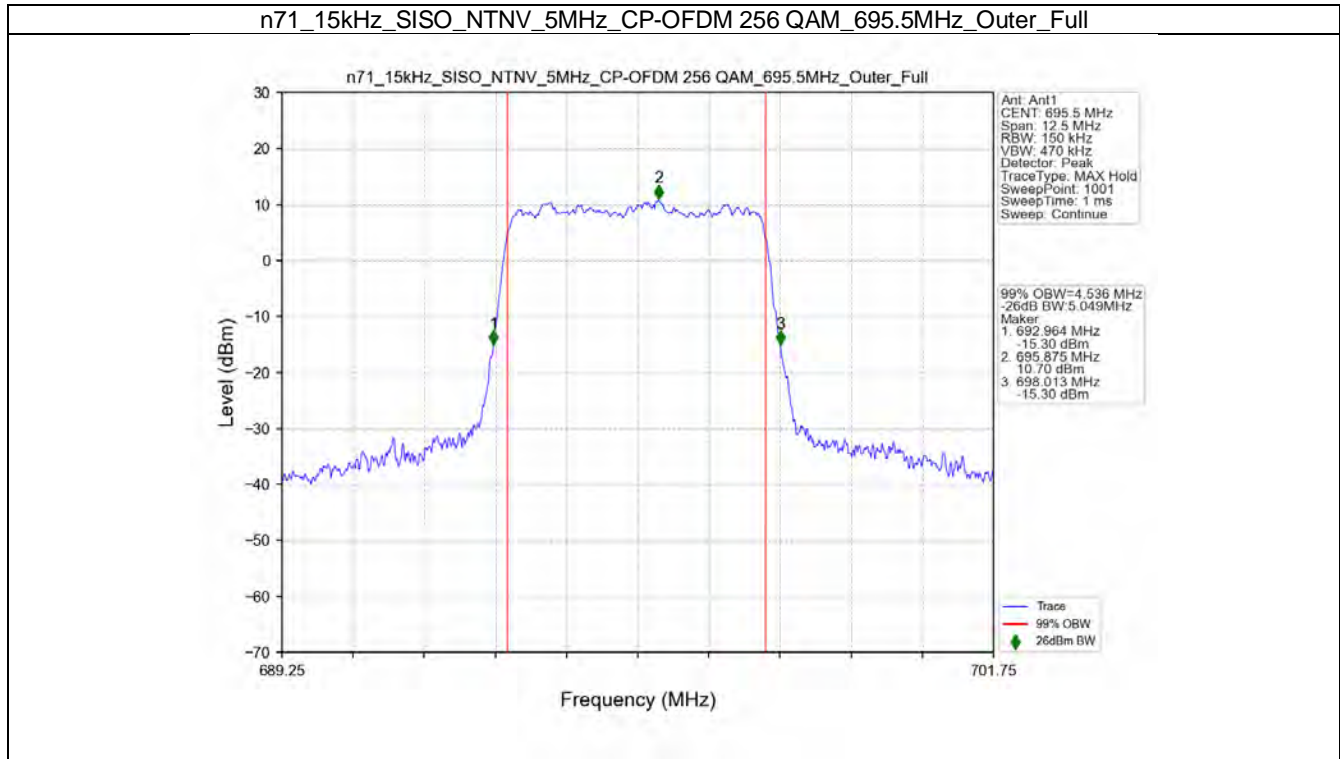


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3.2 15k_SISO_10MHz_NTNV

3.2.1 Test Result

5G NR n71 SCS=15kHz SISO 10MHz NNTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	668	Outer_Full	9.02	9.79	/	Pass
	680.5	Outer_Full	9.03	9.83	/	Pass
	693	Outer_Full	9.01	9.85	/	Pass
DFT-s-OFDM QPSK	668	Outer_Full	9.05	9.88	/	Pass
	680.5	Outer_Full	9.06	9.77	/	Pass
	693	Outer_Full	9.04	9.82	/	Pass
DFT-s-OFDM 16 QAM	668	Outer_Full	9.05	9.83	/	Pass
	680.5	Outer_Full	9.04	9.83	/	Pass
	693	Outer_Full	9.04	9.77	/	Pass
DFT-s-OFDM 64 QAM	668	Outer_Full	9.03	9.79	/	Pass
	680.5	Outer_Full	9.02	9.81	/	Pass
	693	Outer_Full	9.01	9.80	/	Pass
DFT-s-OFDM 256 QAM	668	Outer_Full	9.03	9.88	/	Pass
	680.5	Outer_Full	9.03	9.89	/	Pass
	693	Outer_Full	9.03	9.90	/	Pass
CP-OFDM QPSK	668	Outer_Full	9.33	10.23	/	Pass
	680.5	Outer_Full	9.35	10.24	/	Pass
	693	Outer_Full	9.34	10.19	/	Pass
CP-OFDM 16 QAM	668	Outer_Full	9.36	10.22	/	Pass
	680.5	Outer_Full	9.35	10.22	/	Pass
	693	Outer_Full	9.34	10.23	/	Pass
CP-OFDM 64 QAM	668	Outer_Full	9.34	10.17	/	Pass
	680.5	Outer_Full	9.32	10.13	/	Pass
	693	Outer_Full	9.32	10.16	/	Pass
CP-OFDM 256 QAM	668	Outer_Full	9.37	10.16	/	Pass
	680.5	Outer_Full	9.37	10.19	/	Pass
	693	Outer_Full	9.35	10.16	/	Pass



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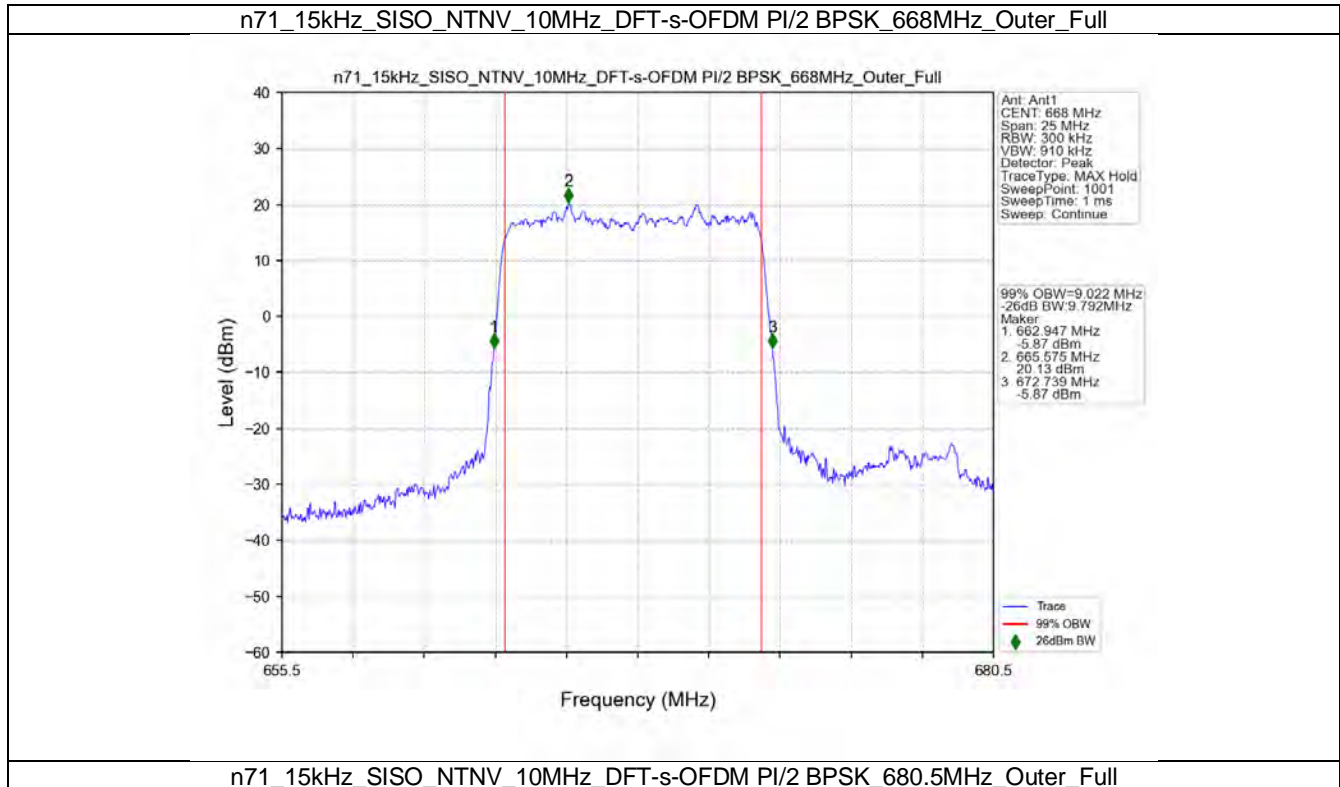
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3.2.2 Test Graph



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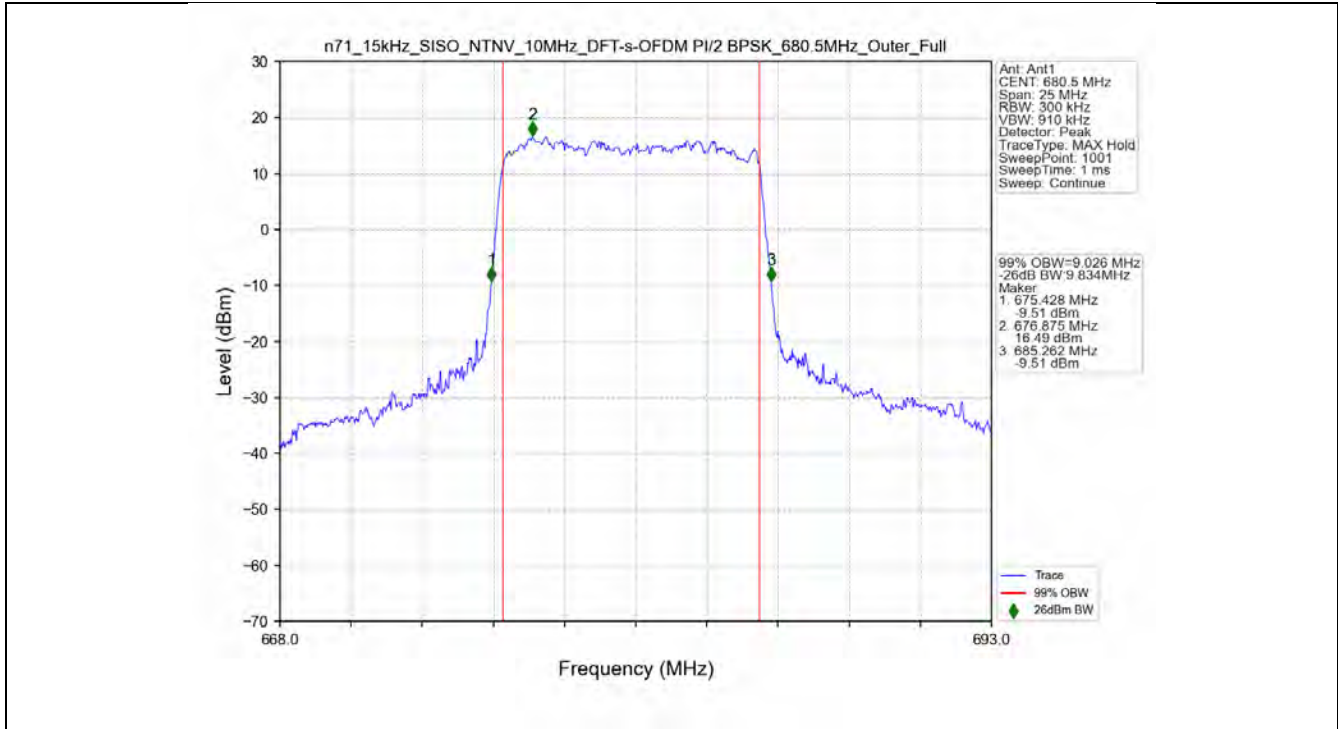


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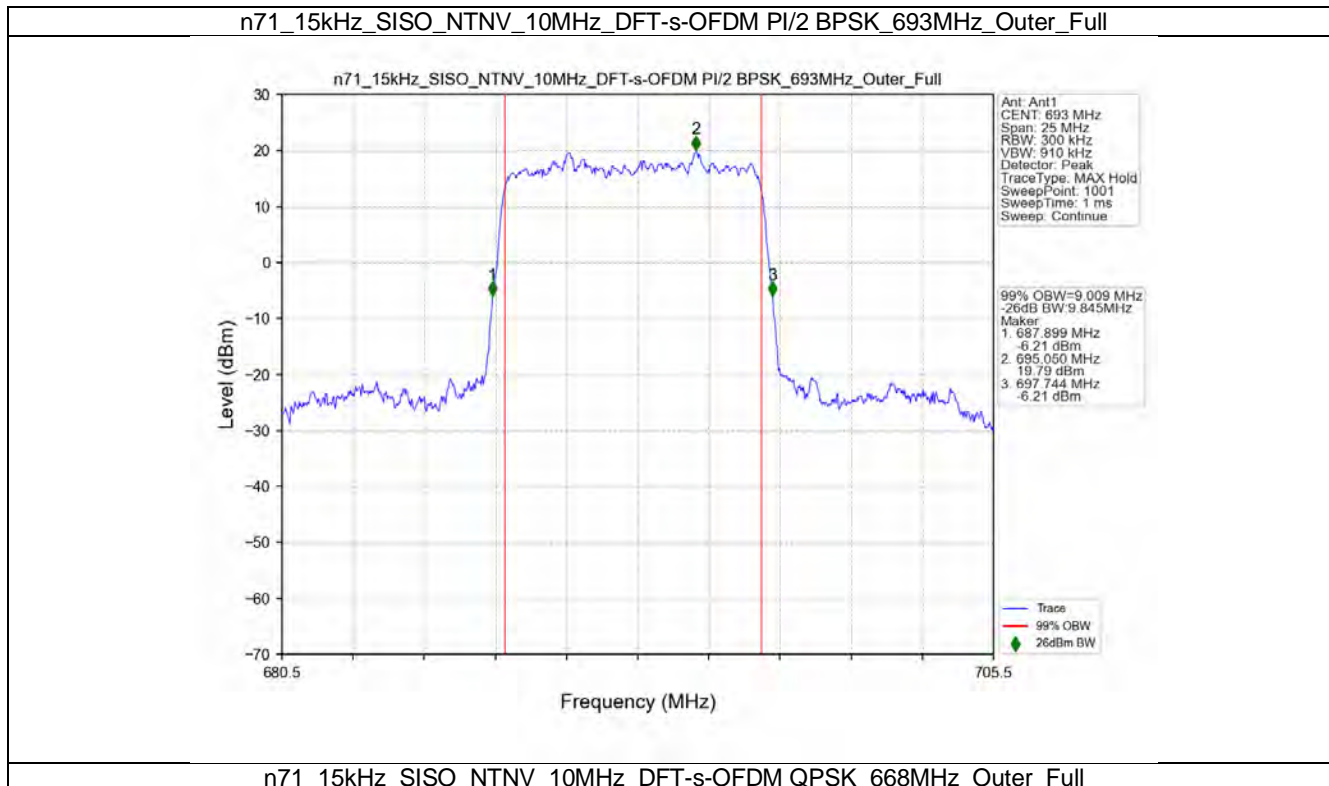
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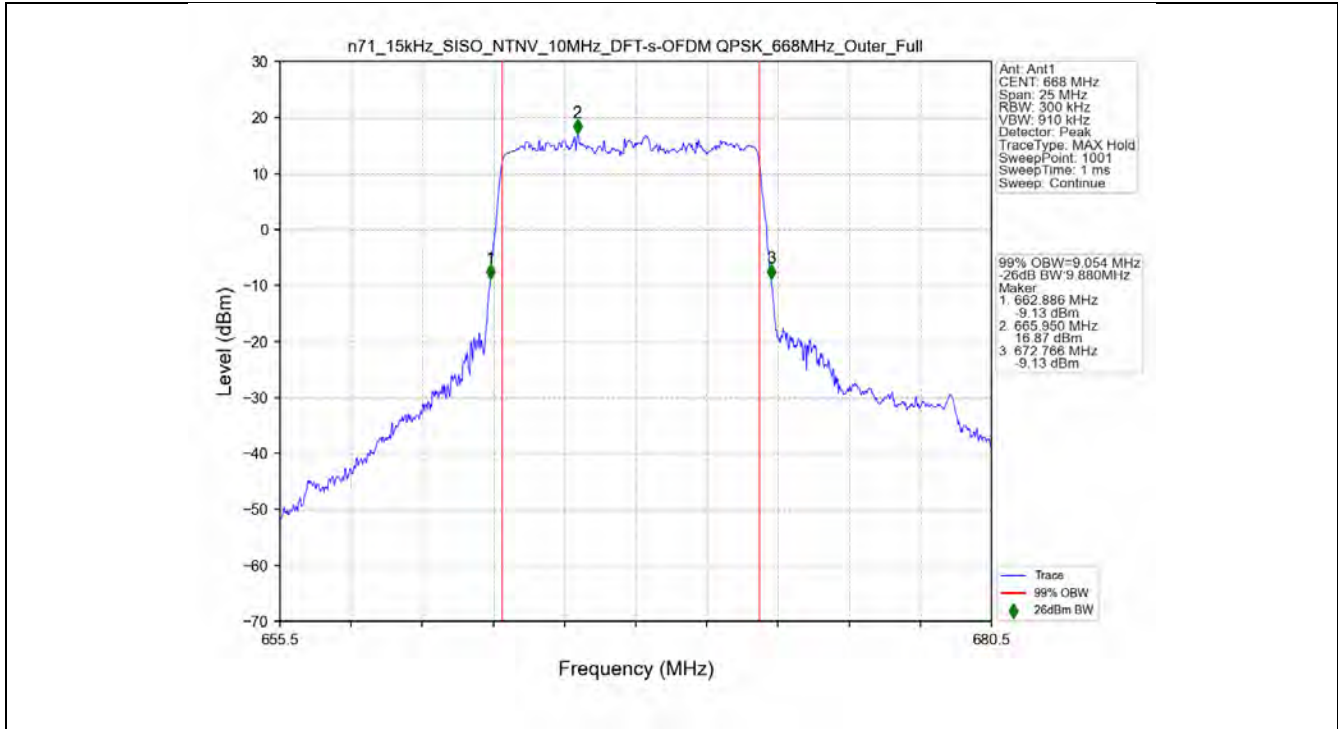


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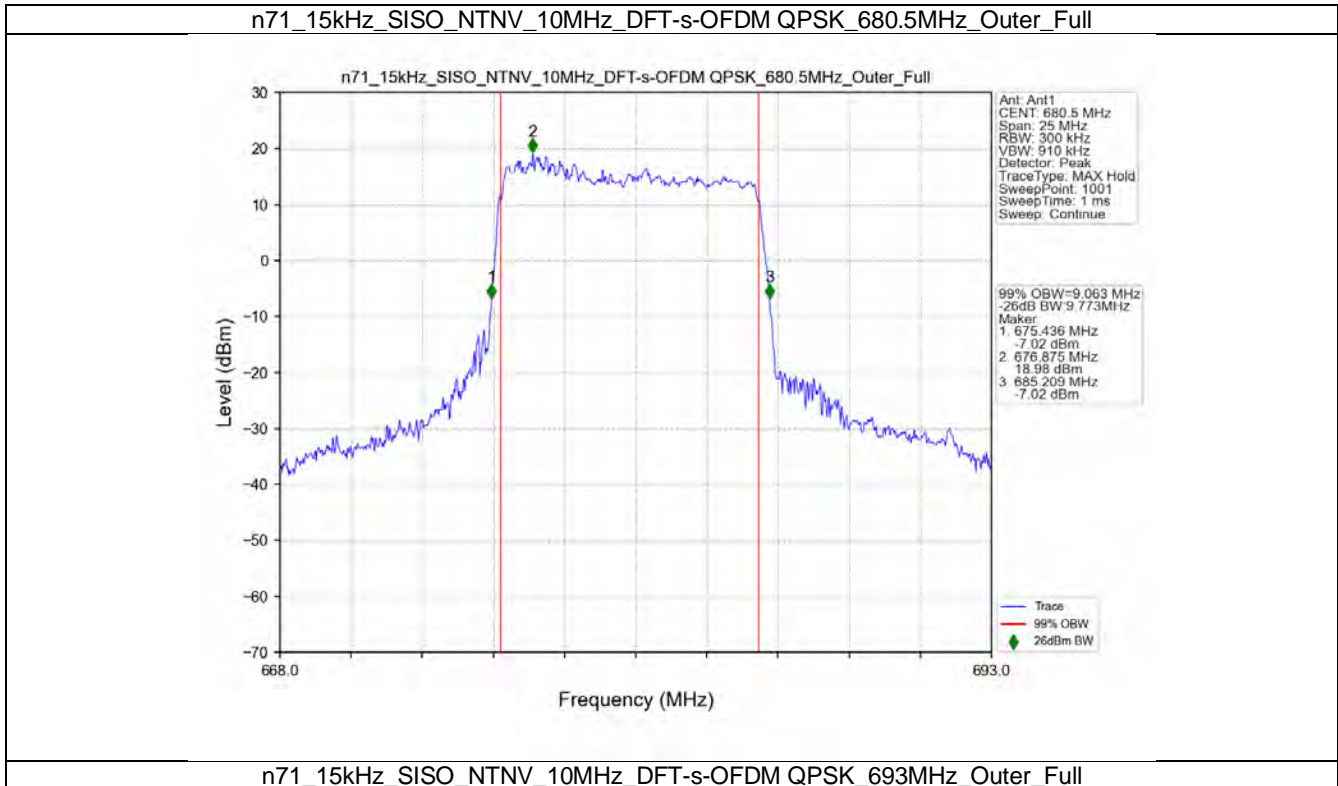


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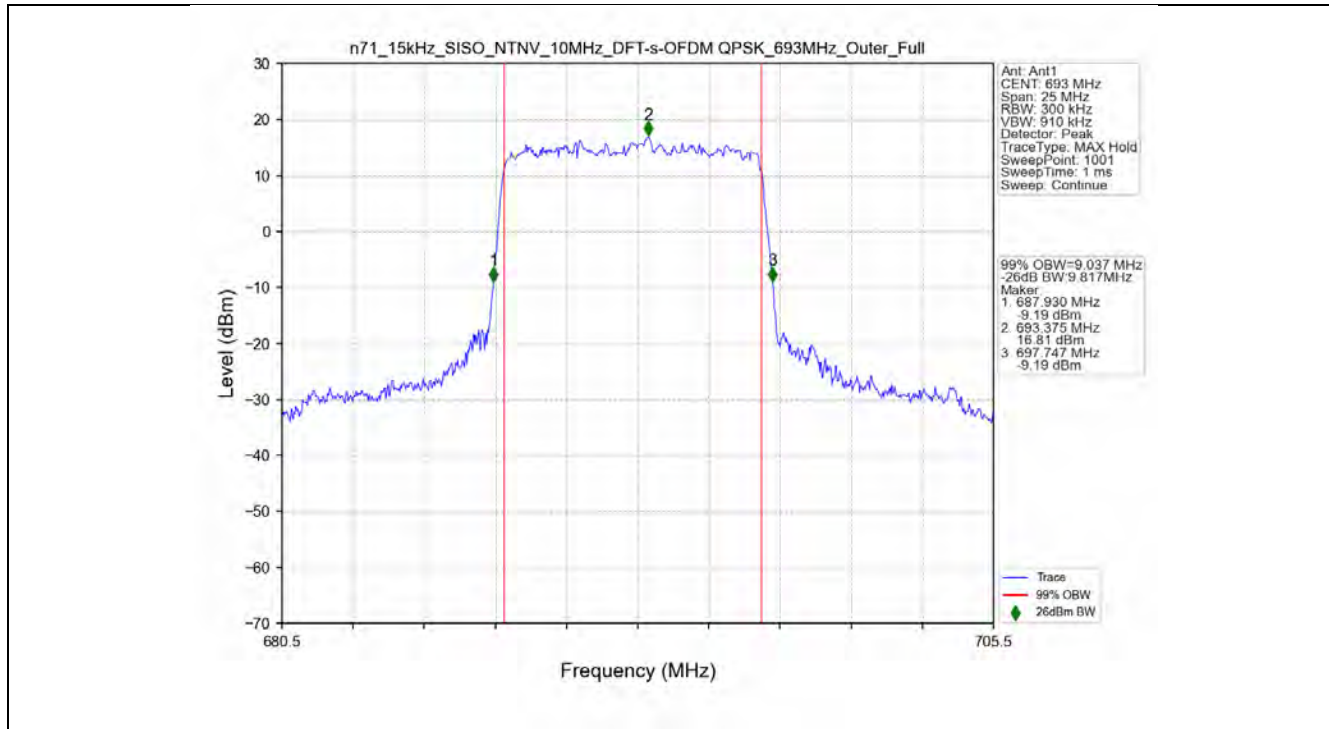
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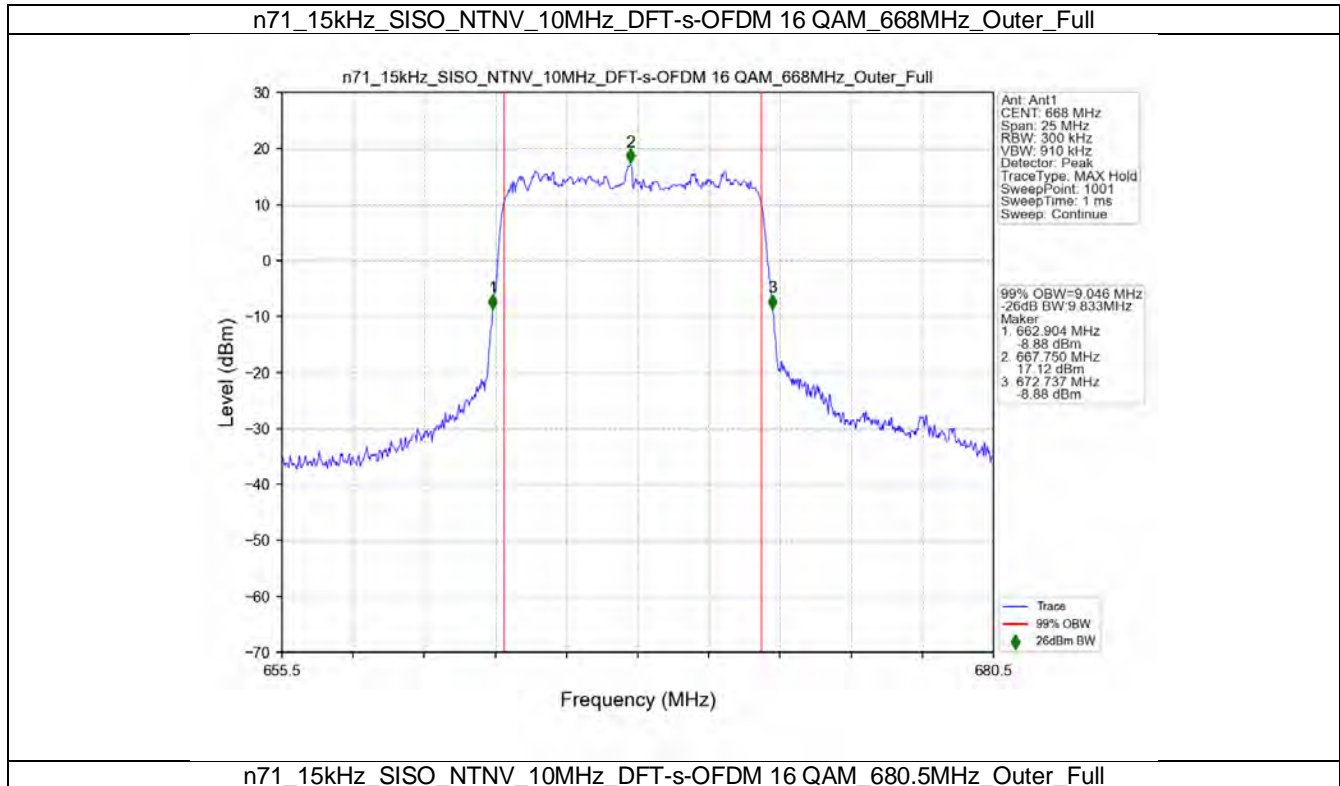


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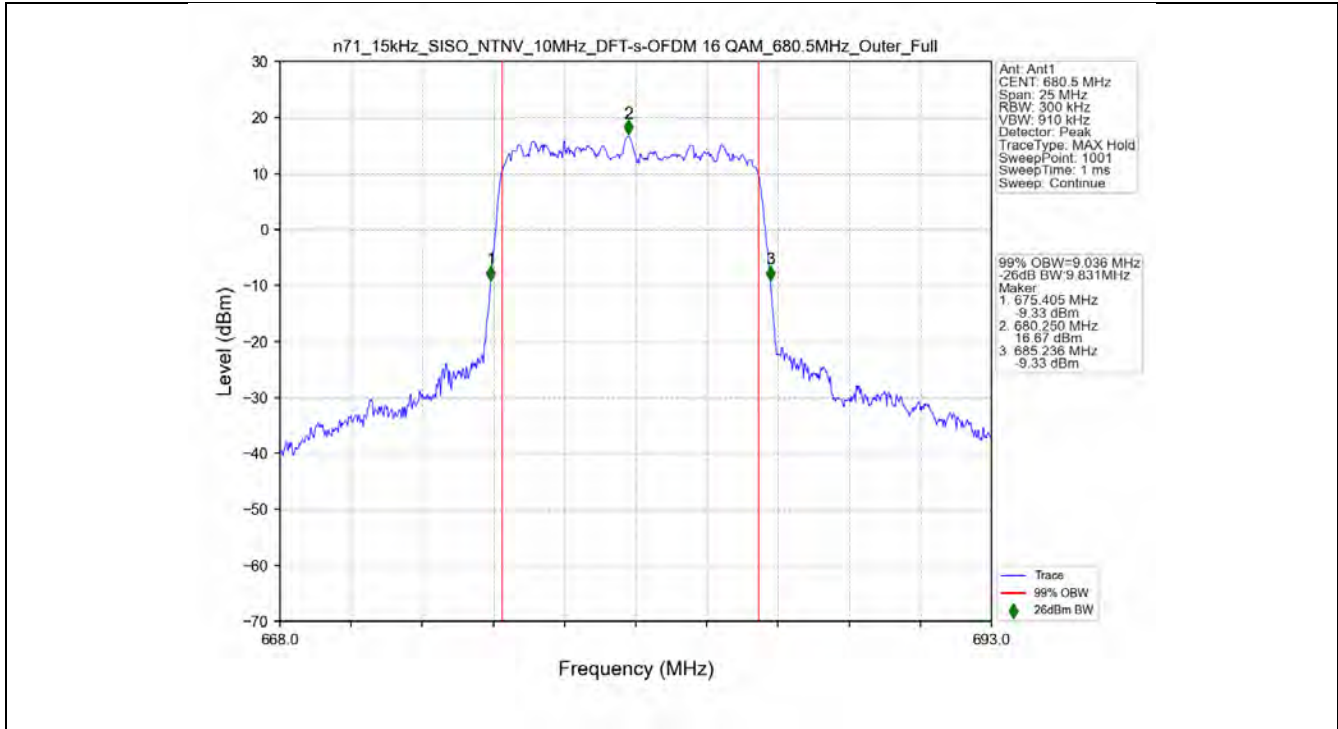


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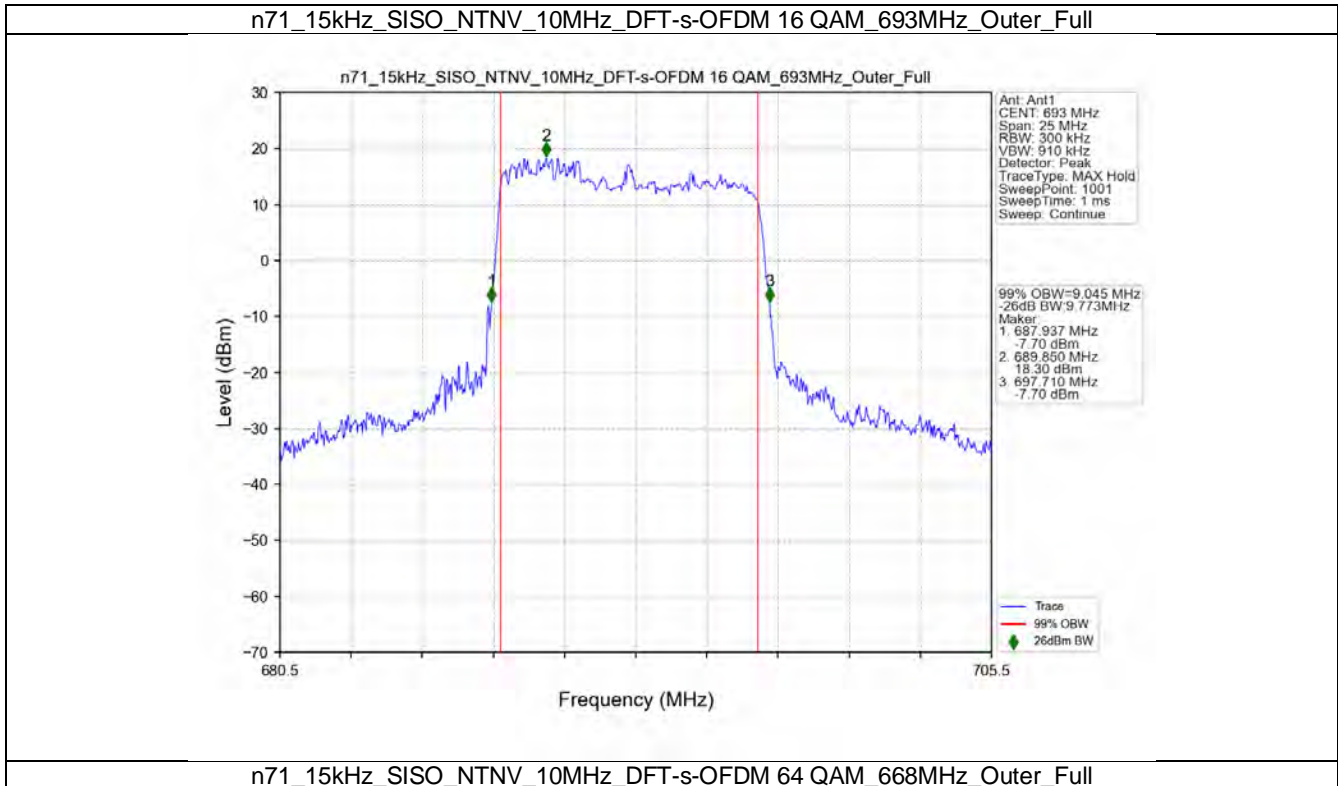


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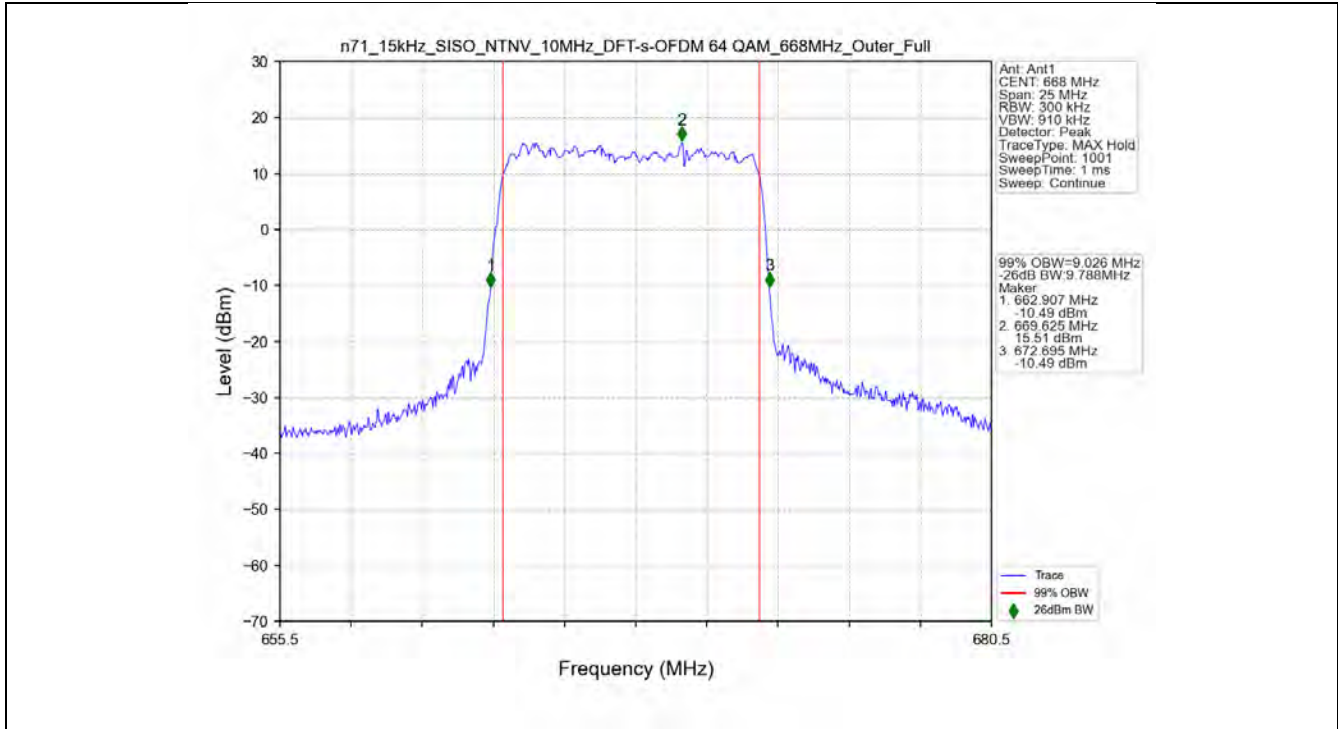


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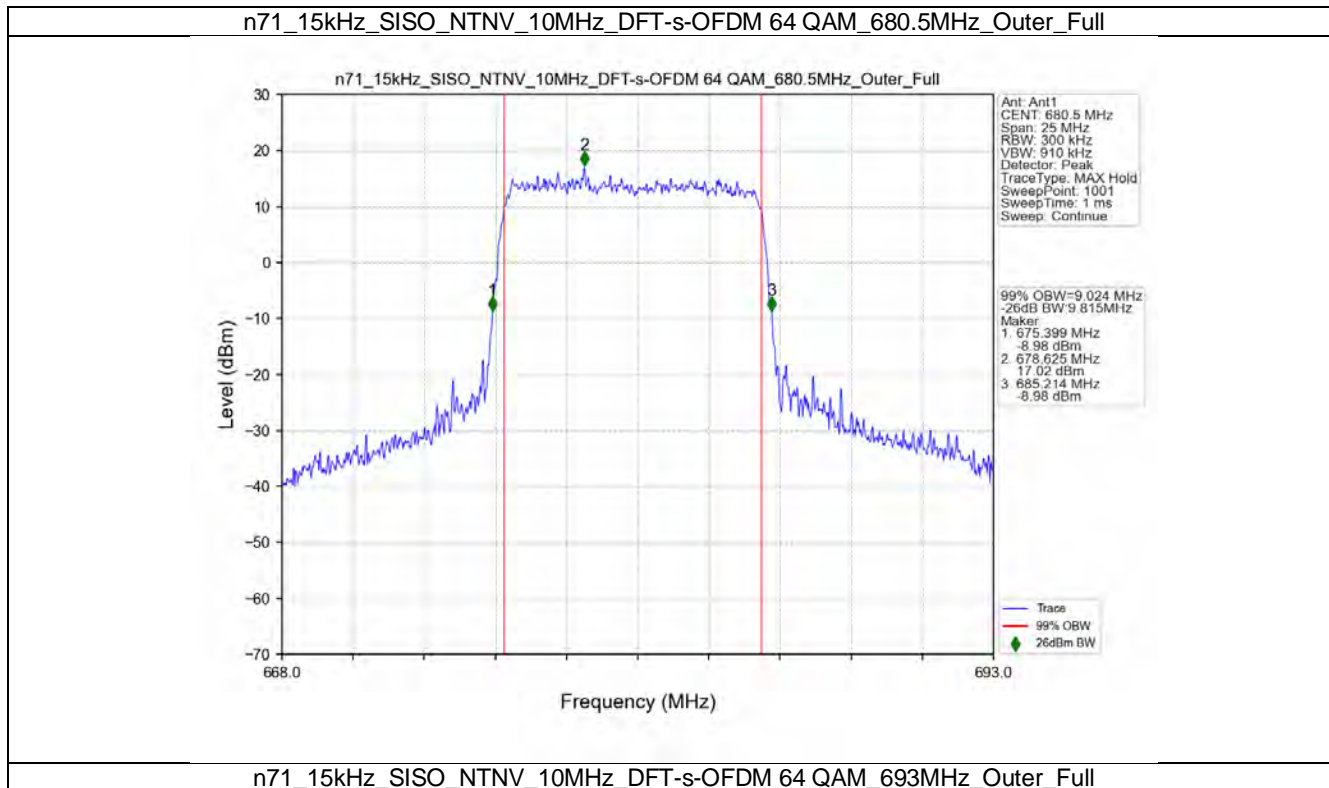
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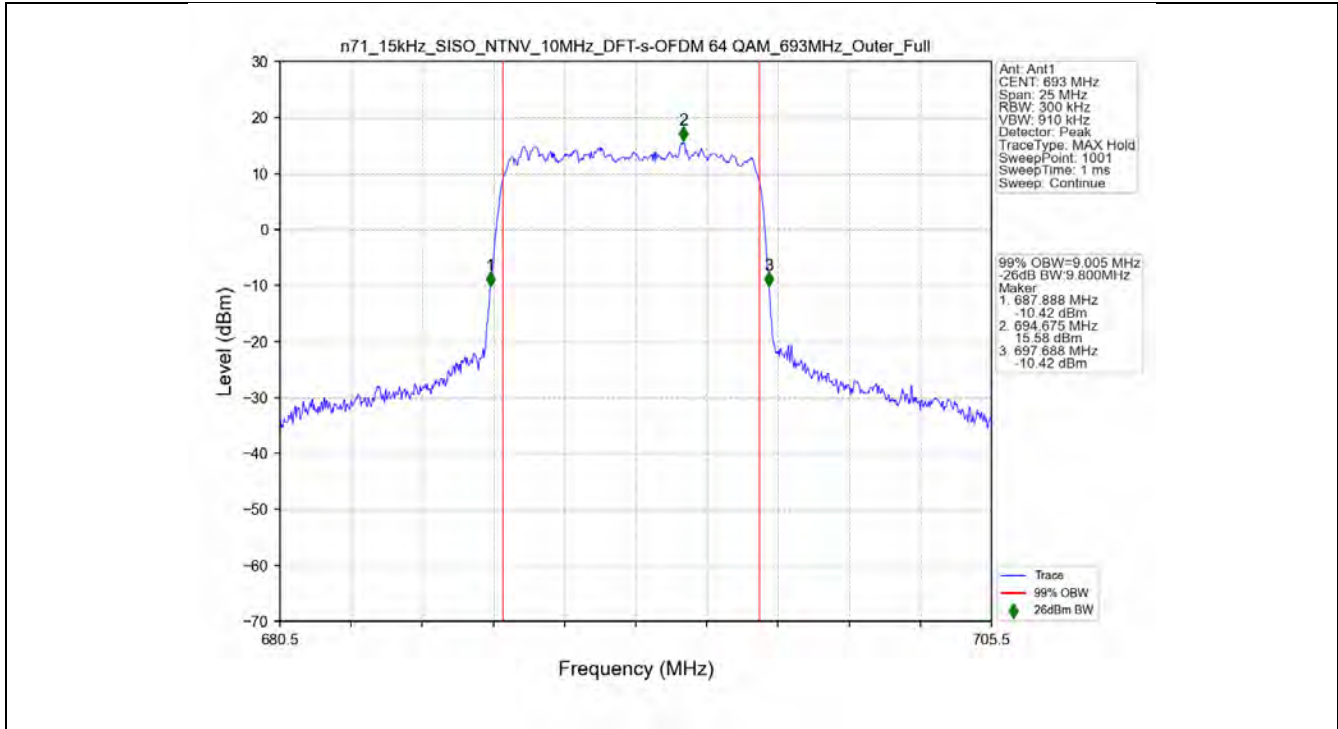


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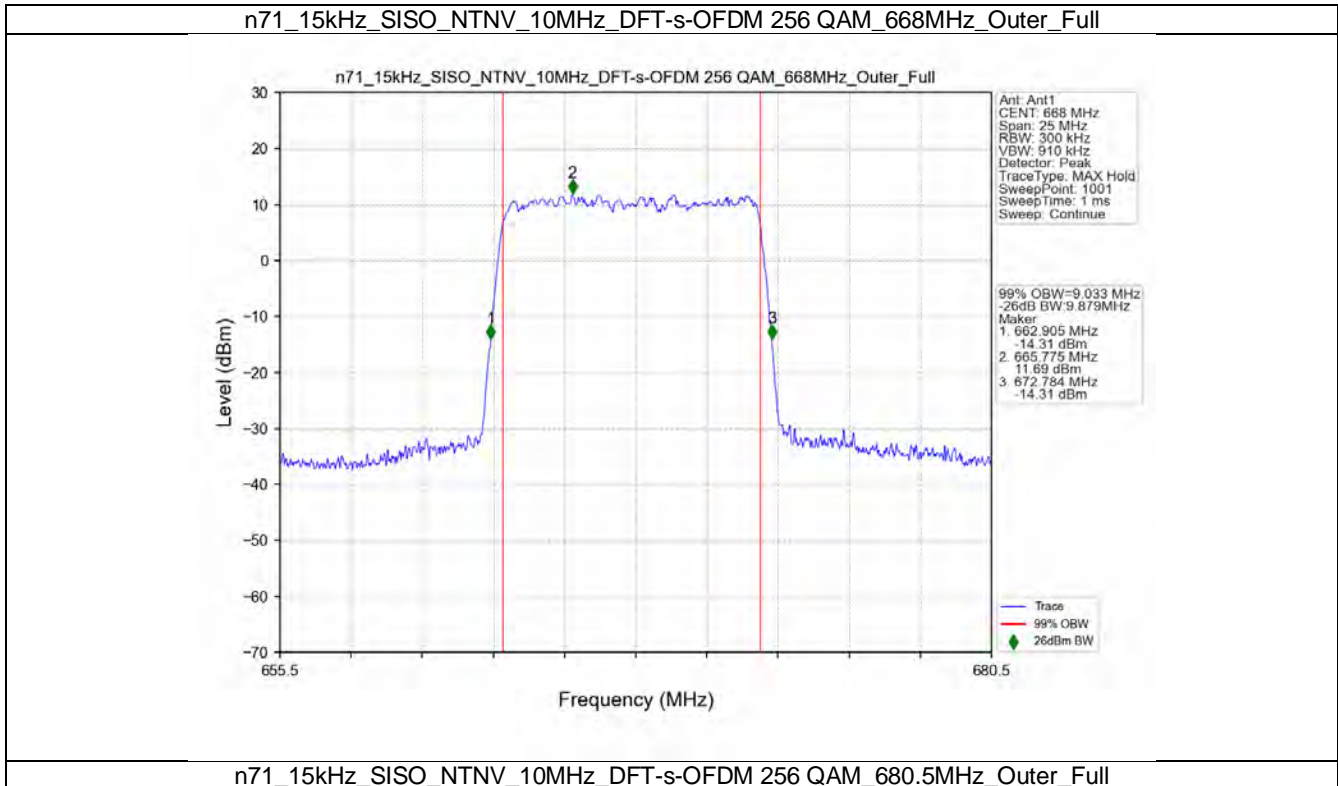


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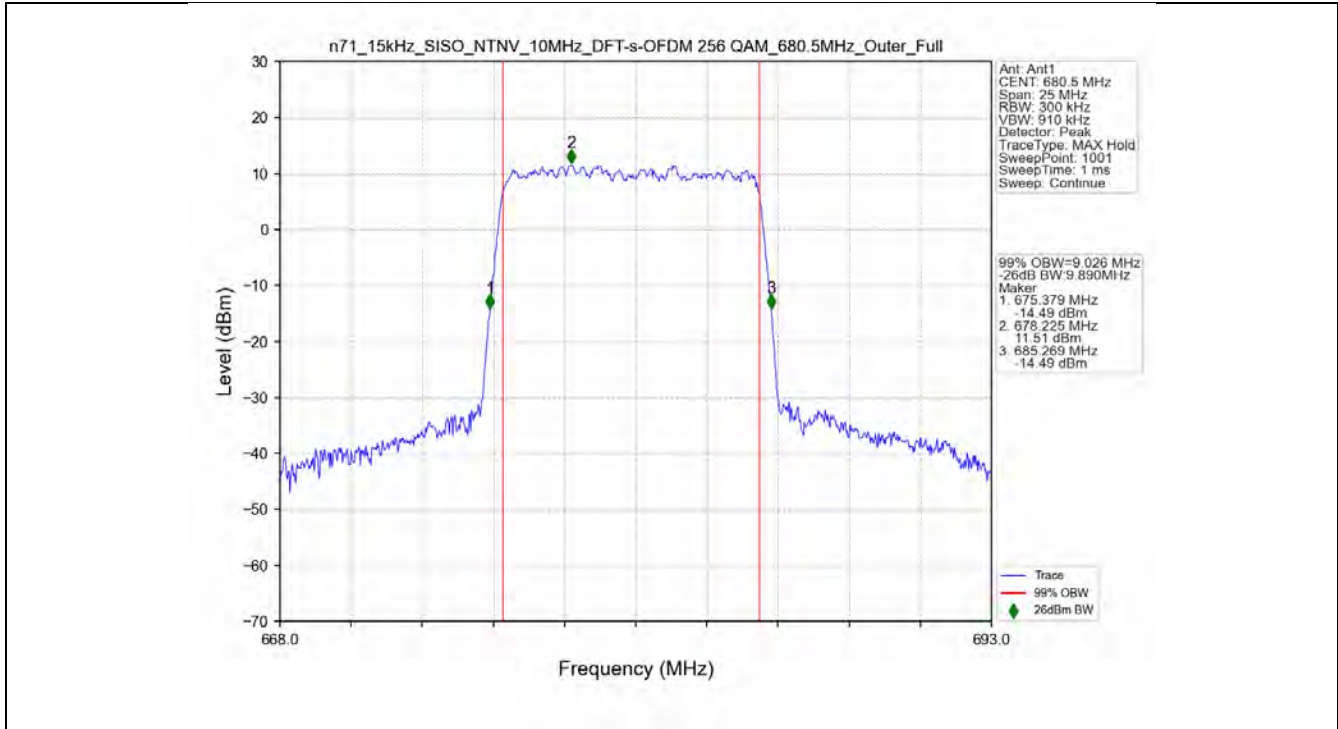


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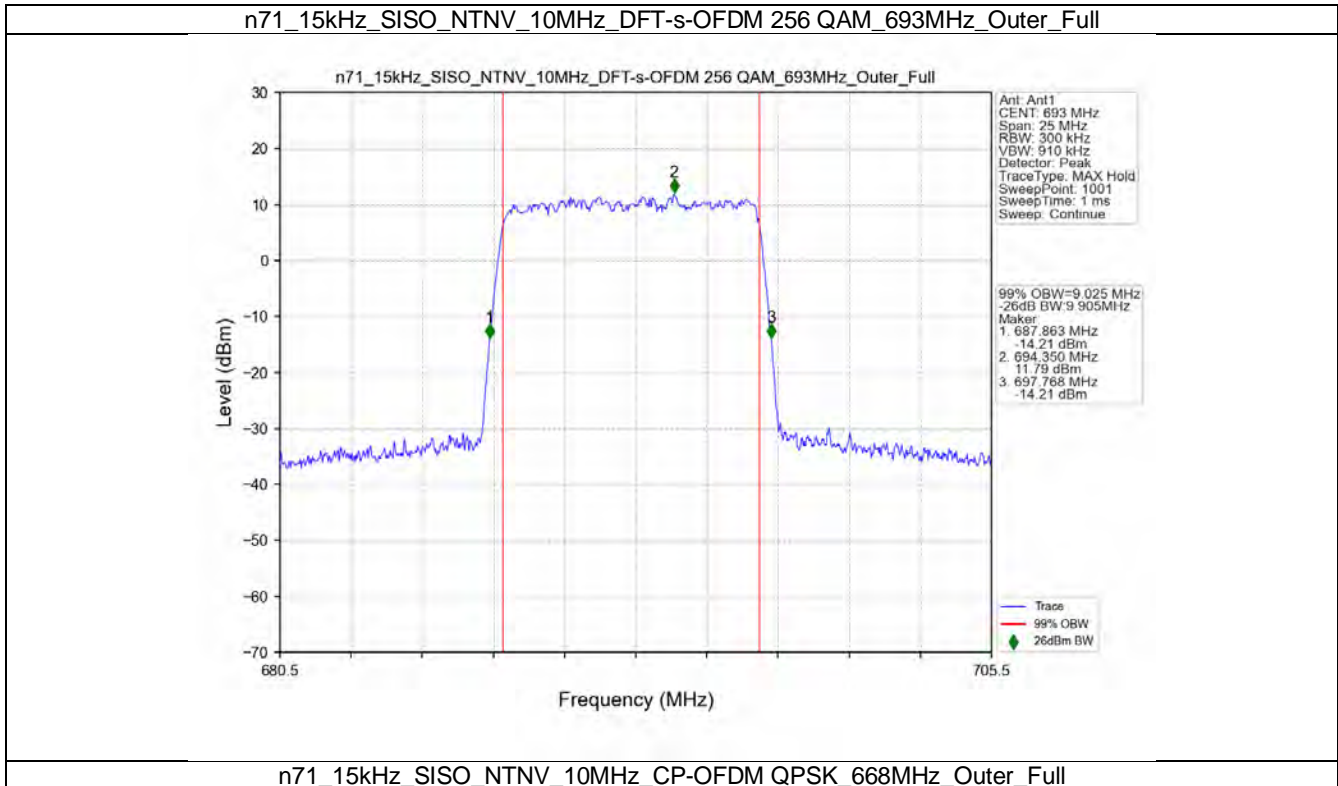


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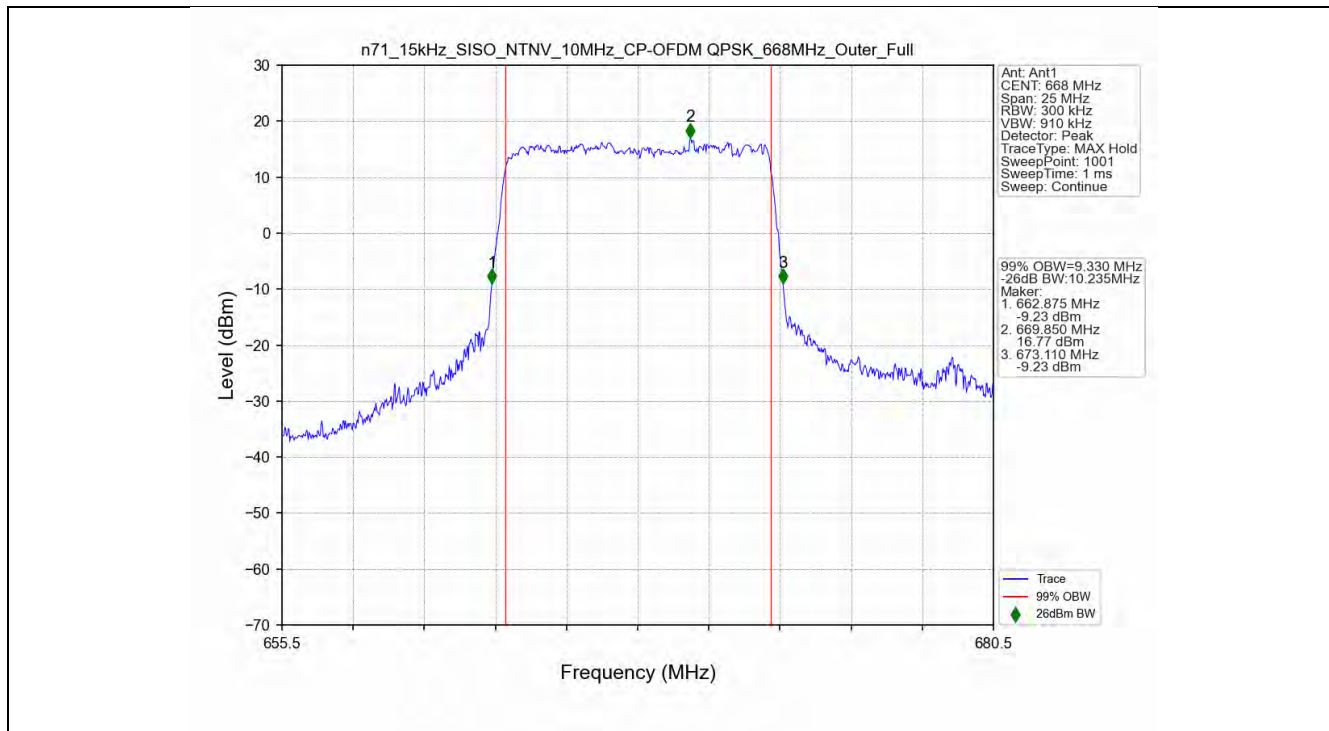
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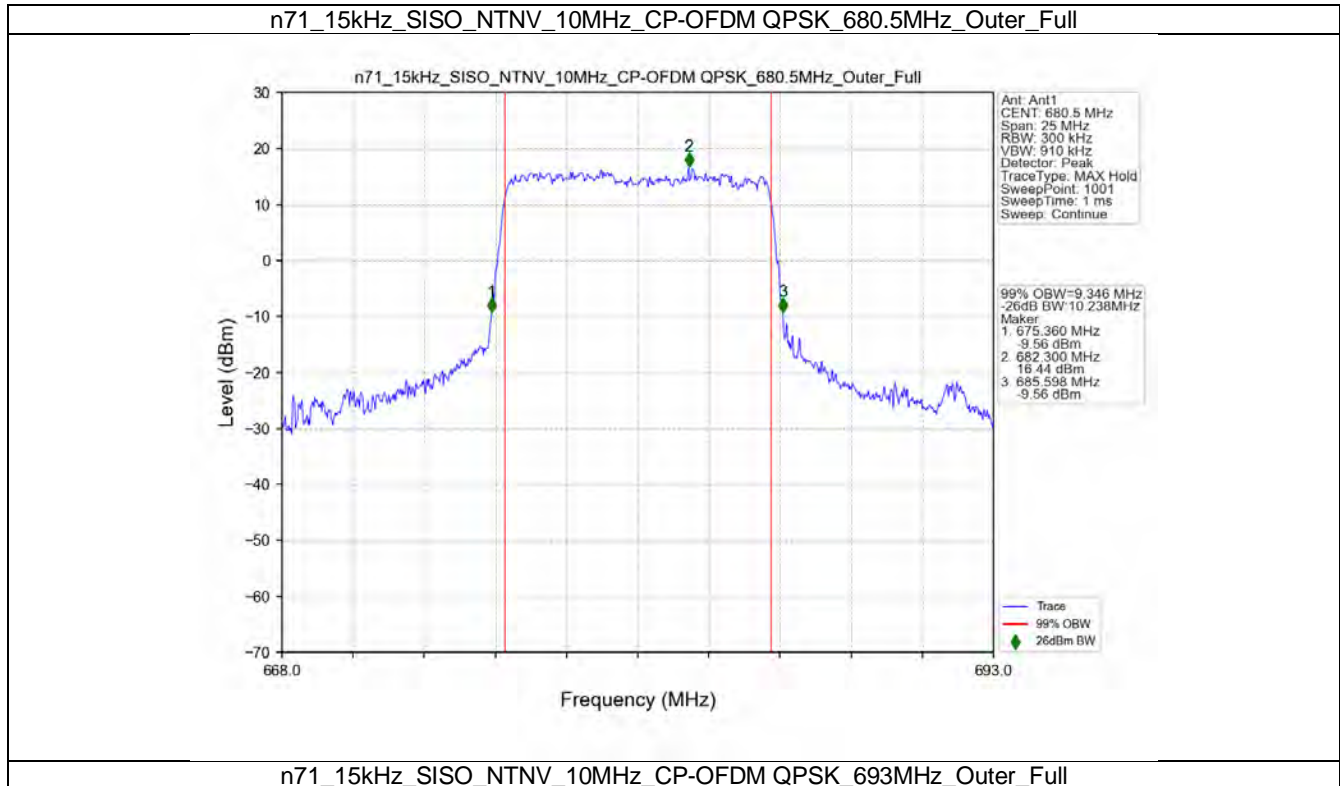


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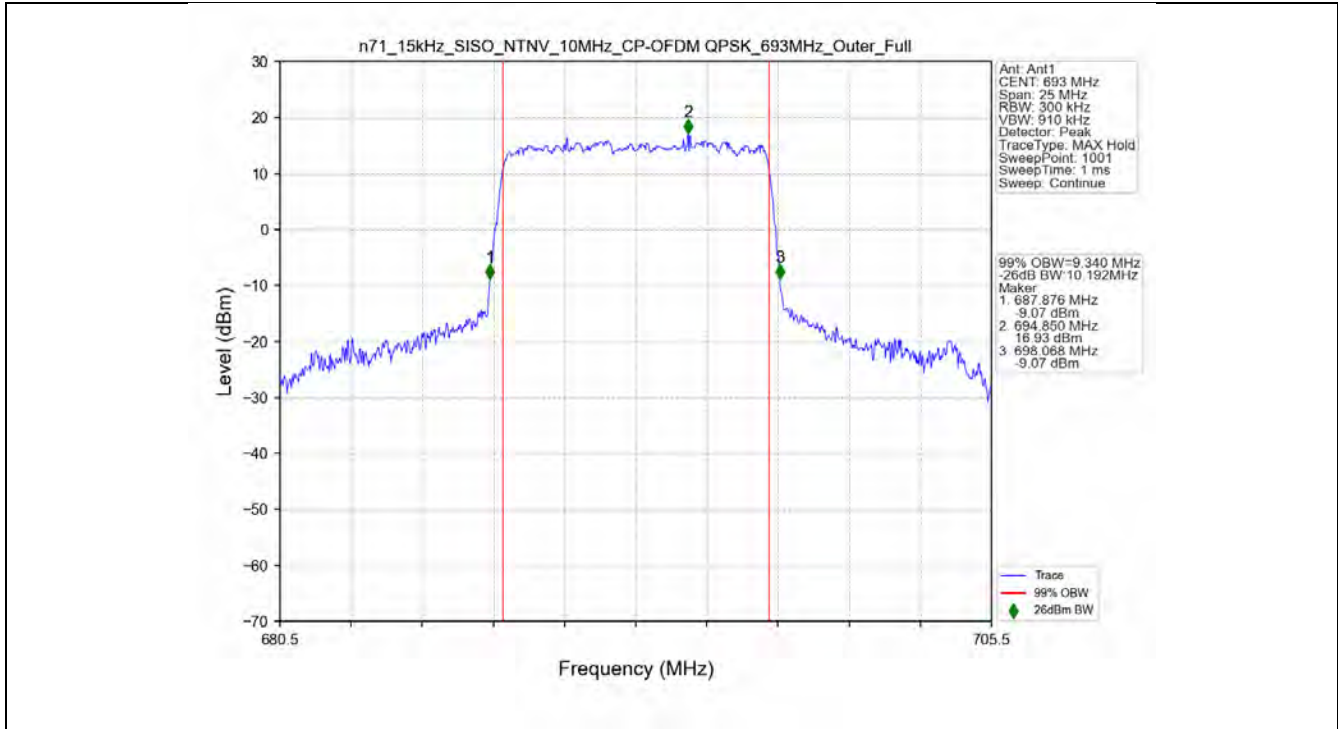


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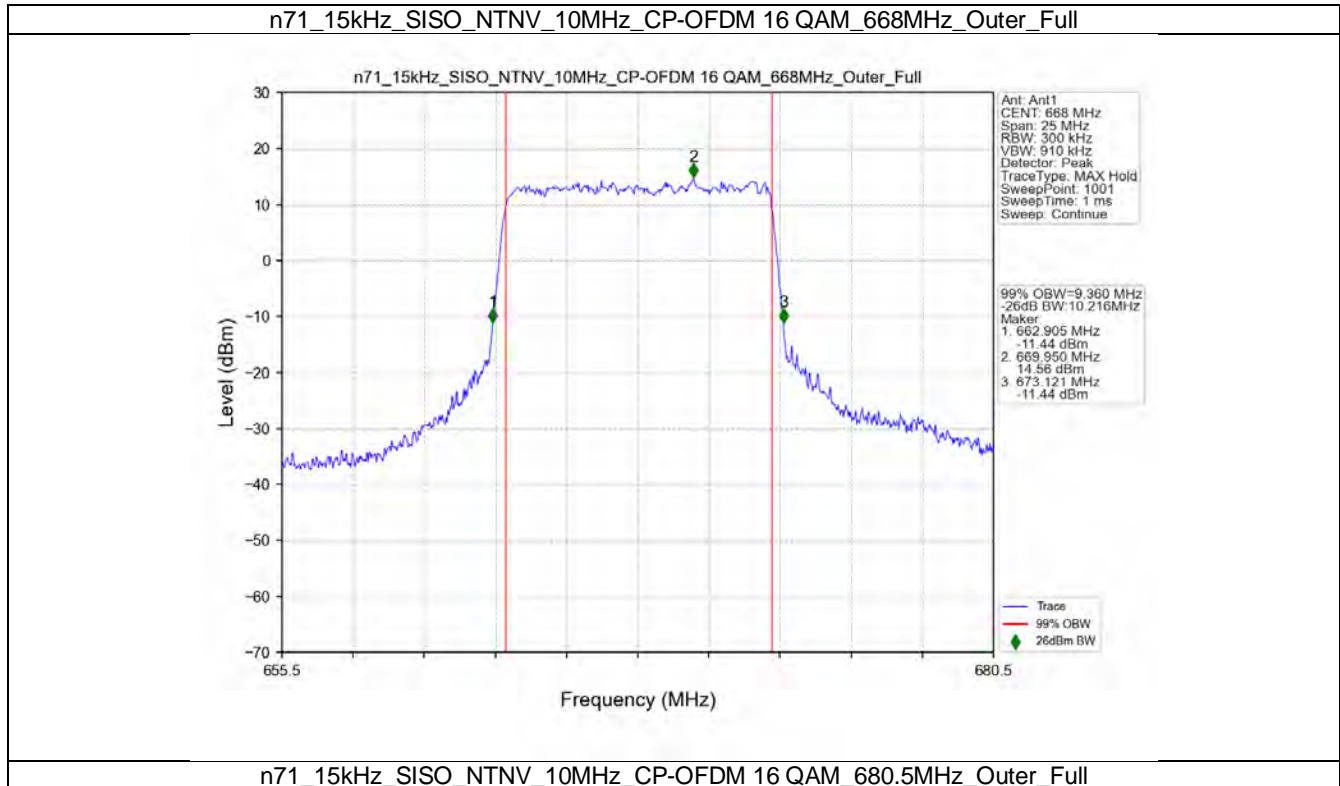


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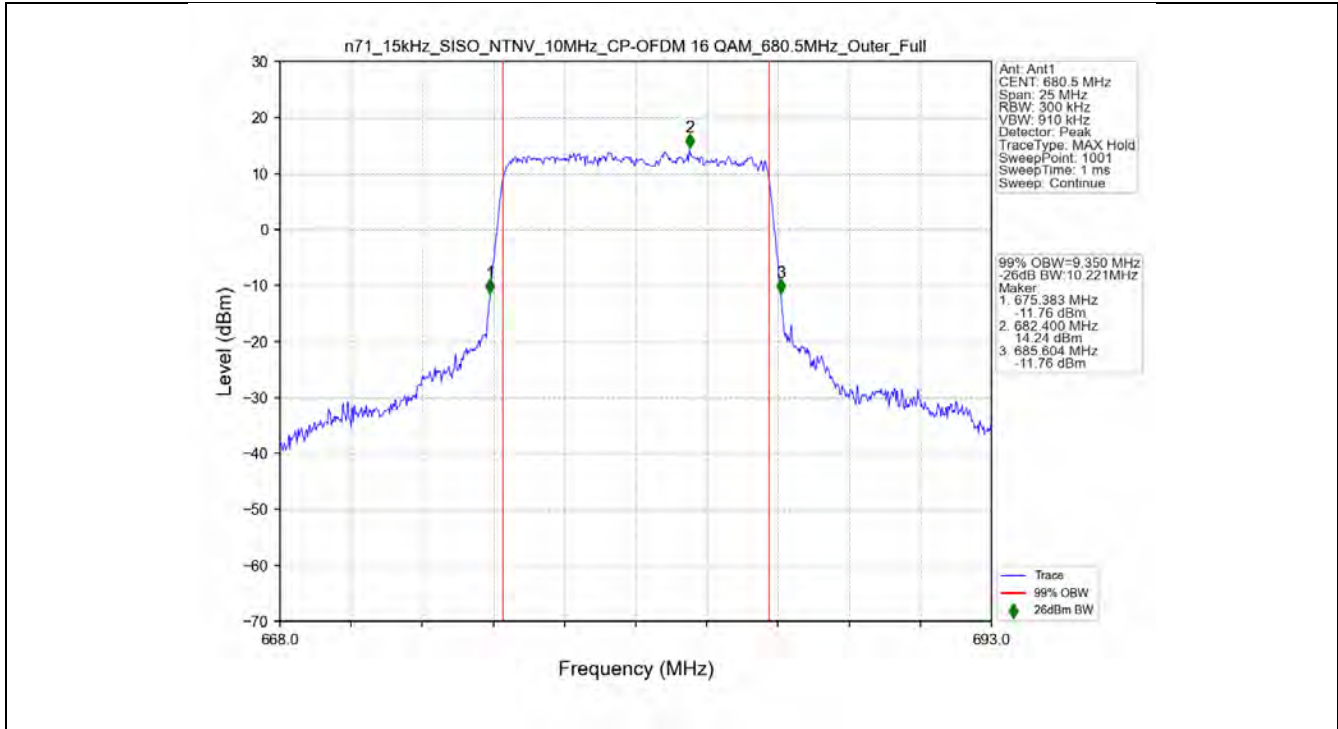


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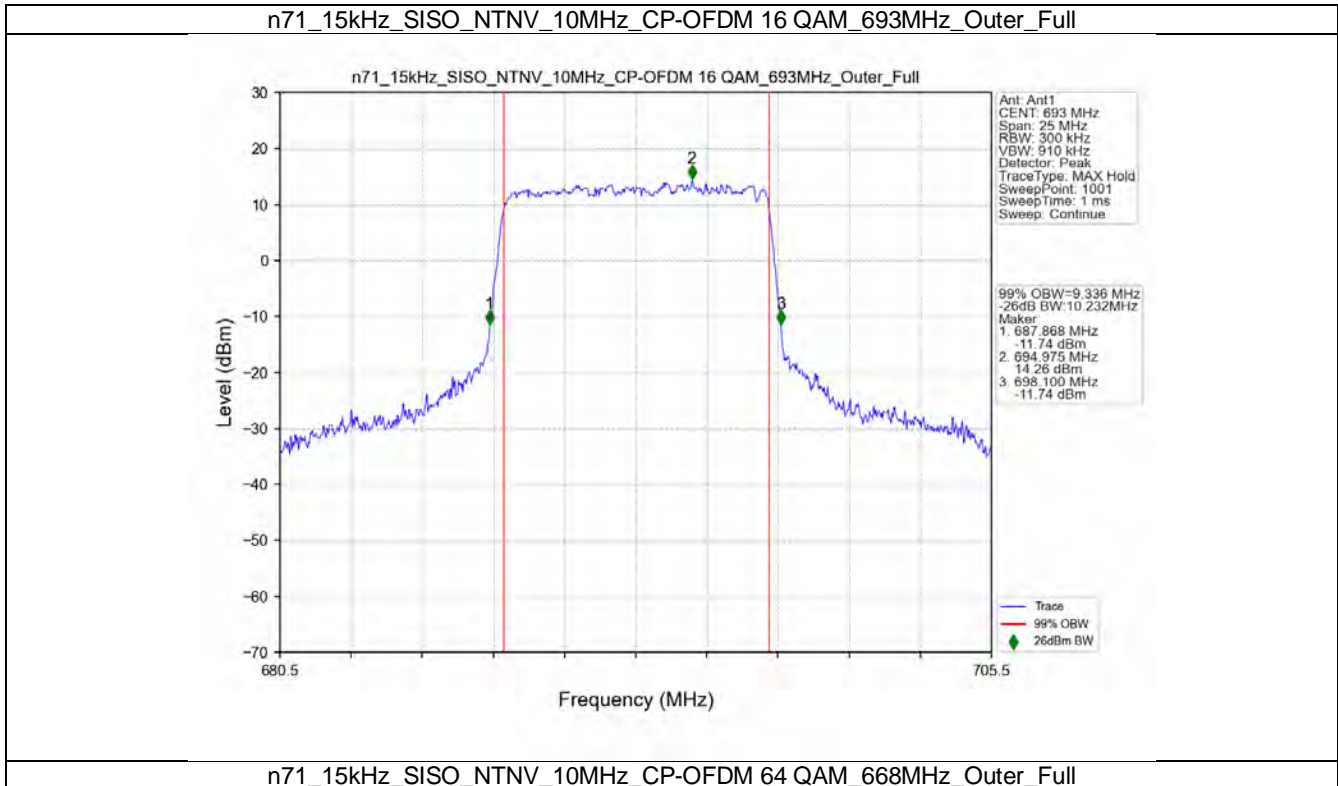


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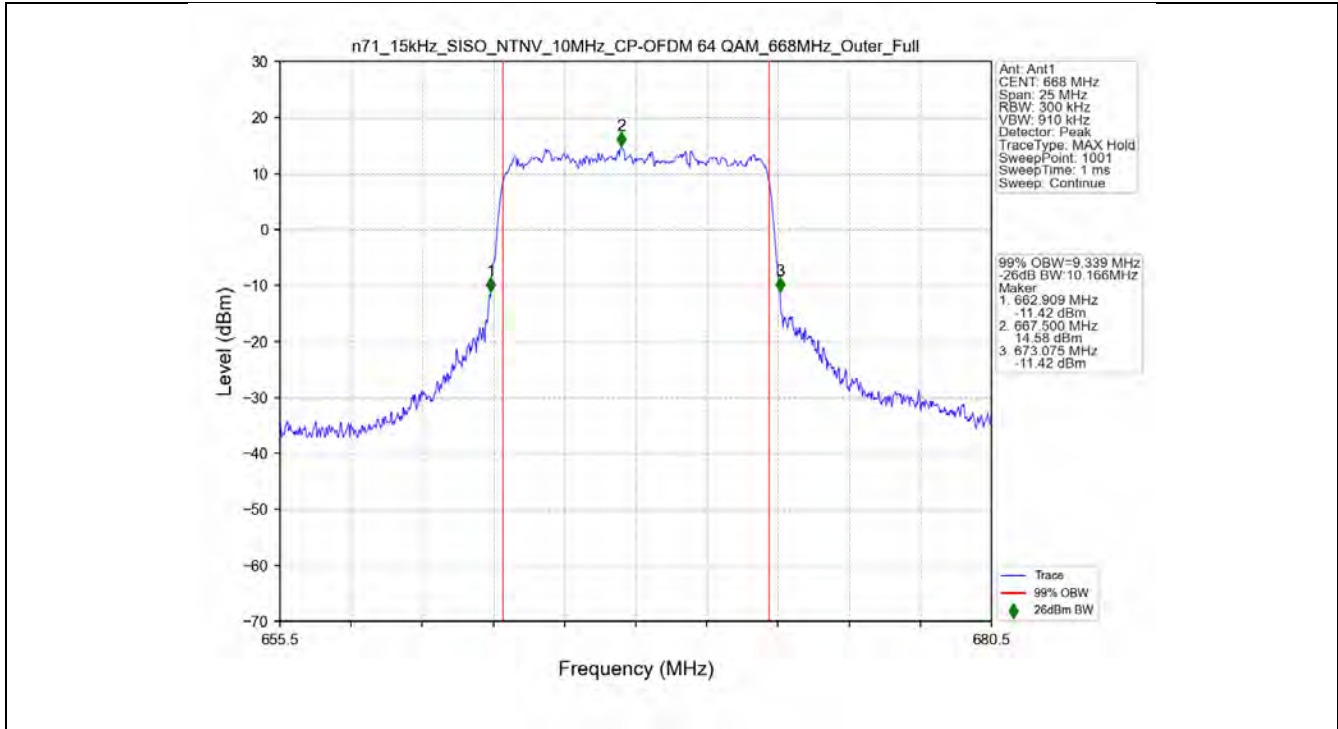


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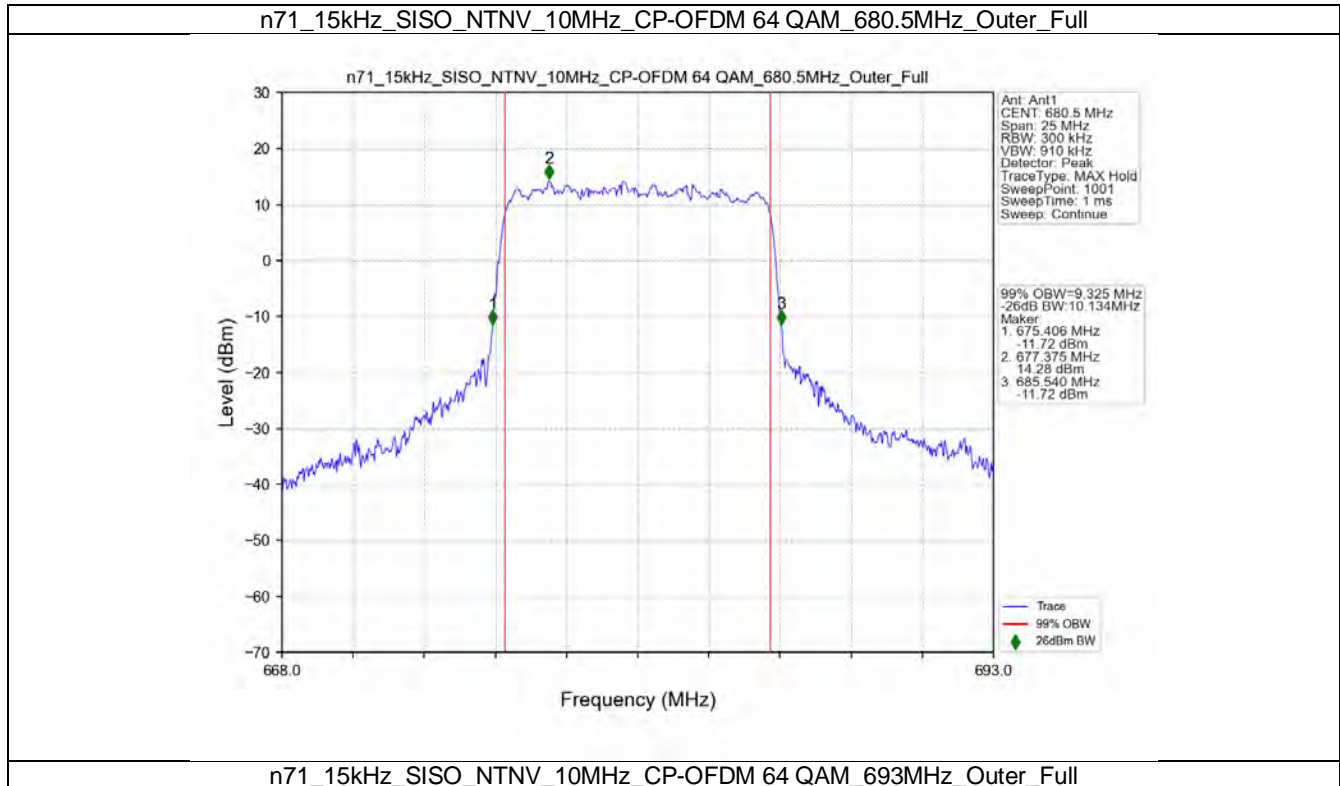


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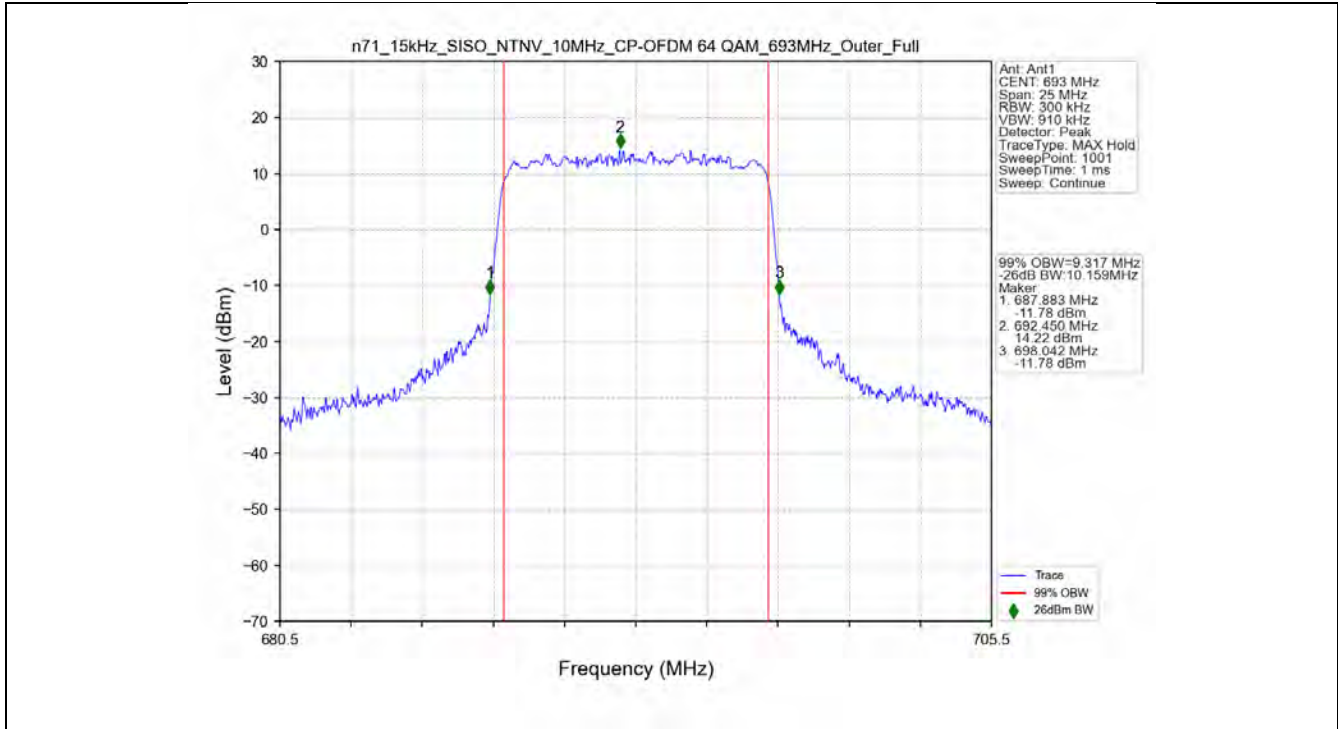


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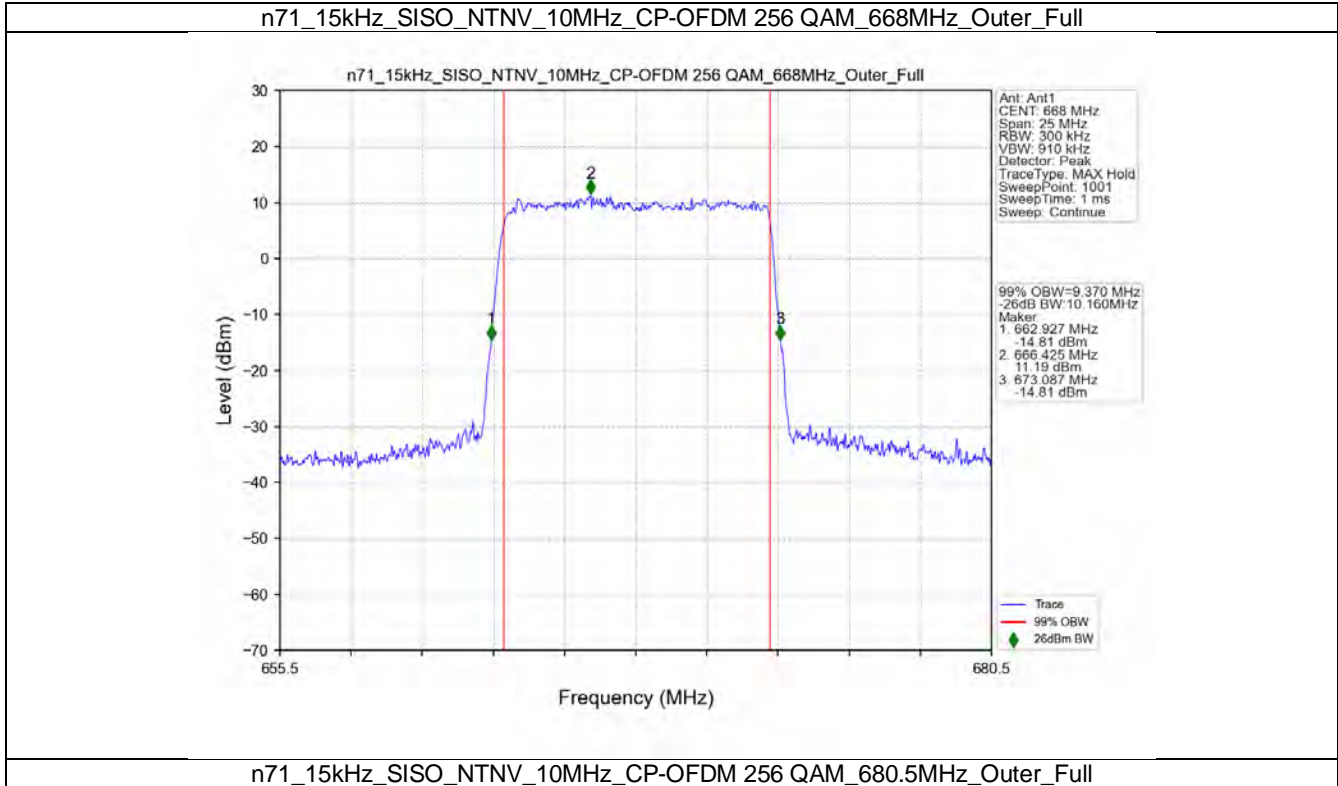


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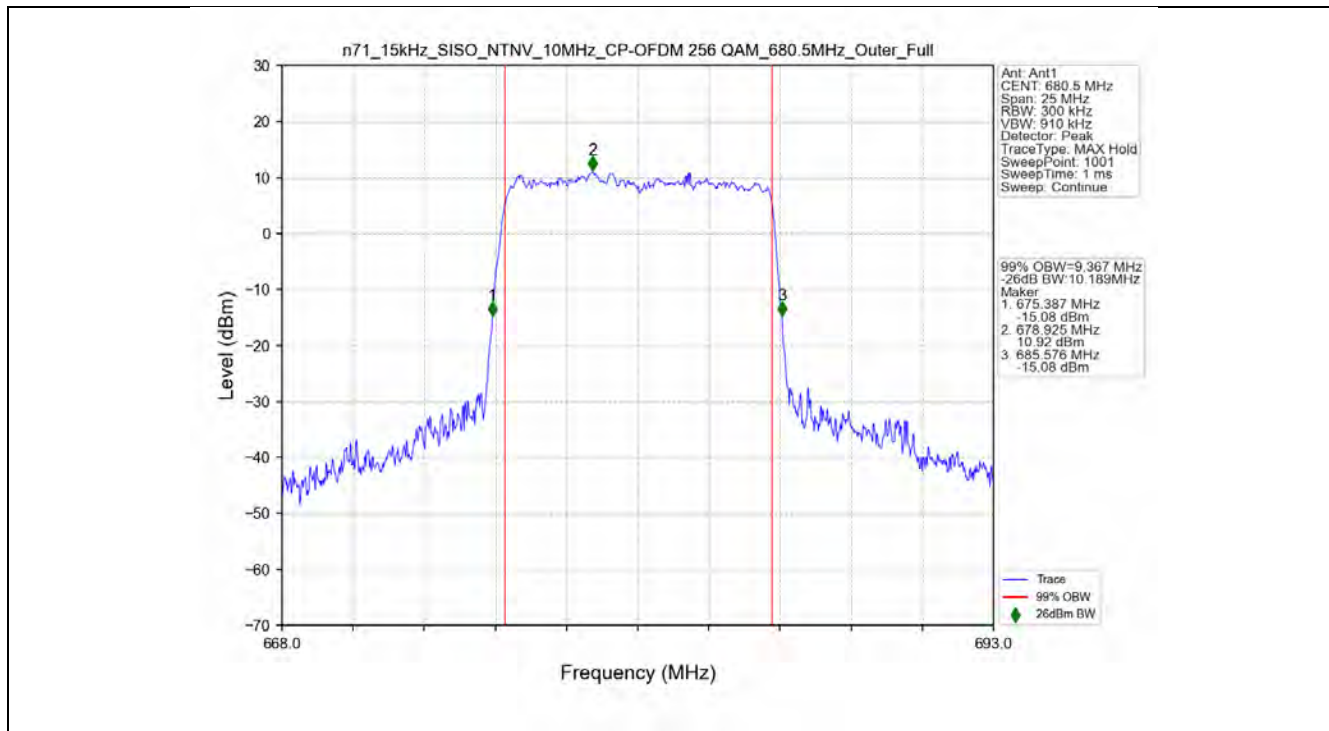
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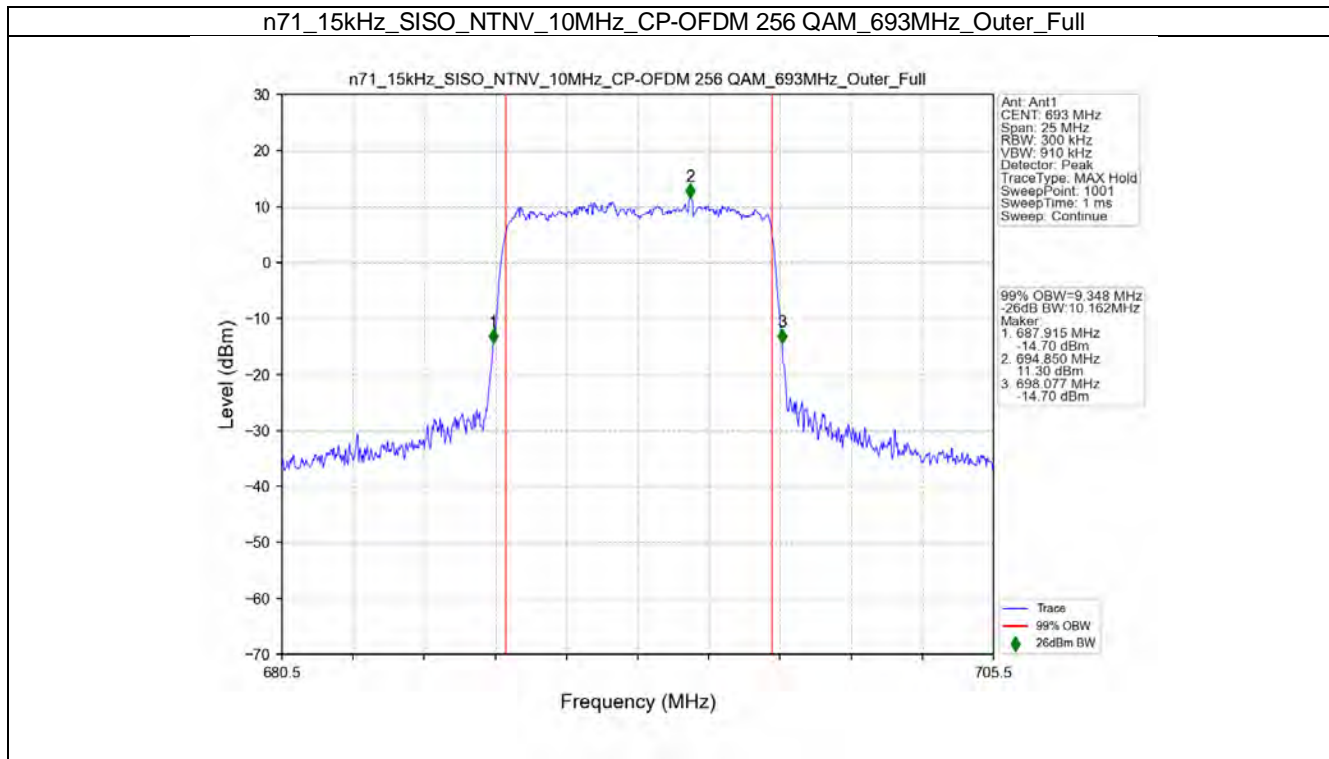
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3.3 15k_SISO_15MHz_NTNV

3.3.1 Test Result

5G NR n71 SCS=15kHz SISO 15MHz NNTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	670.5	Outer_Full	13.56	14.60	/	Pass
	680.5	Outer_Full	13.52	14.59	/	Pass
	690.5	Outer_Full	13.54	14.62	/	Pass
DFT-s-OFDM QPSK	670.5	Outer_Full	13.59	14.63	/	Pass
	680.5	Outer_Full	13.56	14.59	/	Pass
	690.5	Outer_Full	13.56	14.68	/	Pass
DFT-s-OFDM 16 QAM	670.5	Outer_Full	13.64	14.75	/	Pass
	680.5	Outer_Full	13.63	14.53	/	Pass
	690.5	Outer_Full	13.61	14.71	/	Pass
DFT-s-OFDM 64 QAM	670.5	Outer_Full	13.51	14.60	/	Pass
	680.5	Outer_Full	13.50	14.62	/	Pass
	690.5	Outer_Full	13.66	14.62	/	Pass
DFT-s-OFDM 256 QAM	670.5	Outer_Full	13.56	14.56	/	Pass
	680.5	Outer_Full	13.54	14.69	/	Pass
	690.5	Outer_Full	13.65	14.50	/	Pass
CP-OFDM QPSK	670.5	Outer_Full	14.21	15.33	/	Pass
	680.5	Outer_Full	14.18	15.27	/	Pass
	690.5	Outer_Full	14.20	15.32	/	Pass
CP-OFDM 16 QAM	670.5	Outer_Full	14.24	15.29	/	Pass
	680.5	Outer_Full	14.20	15.29	/	Pass
	690.5	Outer_Full	14.23	15.30	/	Pass
CP-OFDM 64 QAM	670.5	Outer_Full	14.27	15.37	/	Pass
	680.5	Outer_Full	14.24	15.09	/	Pass
	690.5	Outer_Full	14.26	15.30	/	Pass
CP-OFDM 256 QAM	670.5	Outer_Full	14.20	15.40	/	Pass
	680.5	Outer_Full	14.15	15.24	/	Pass
	690.5	Outer_Full	14.18	15.39	/	Pass



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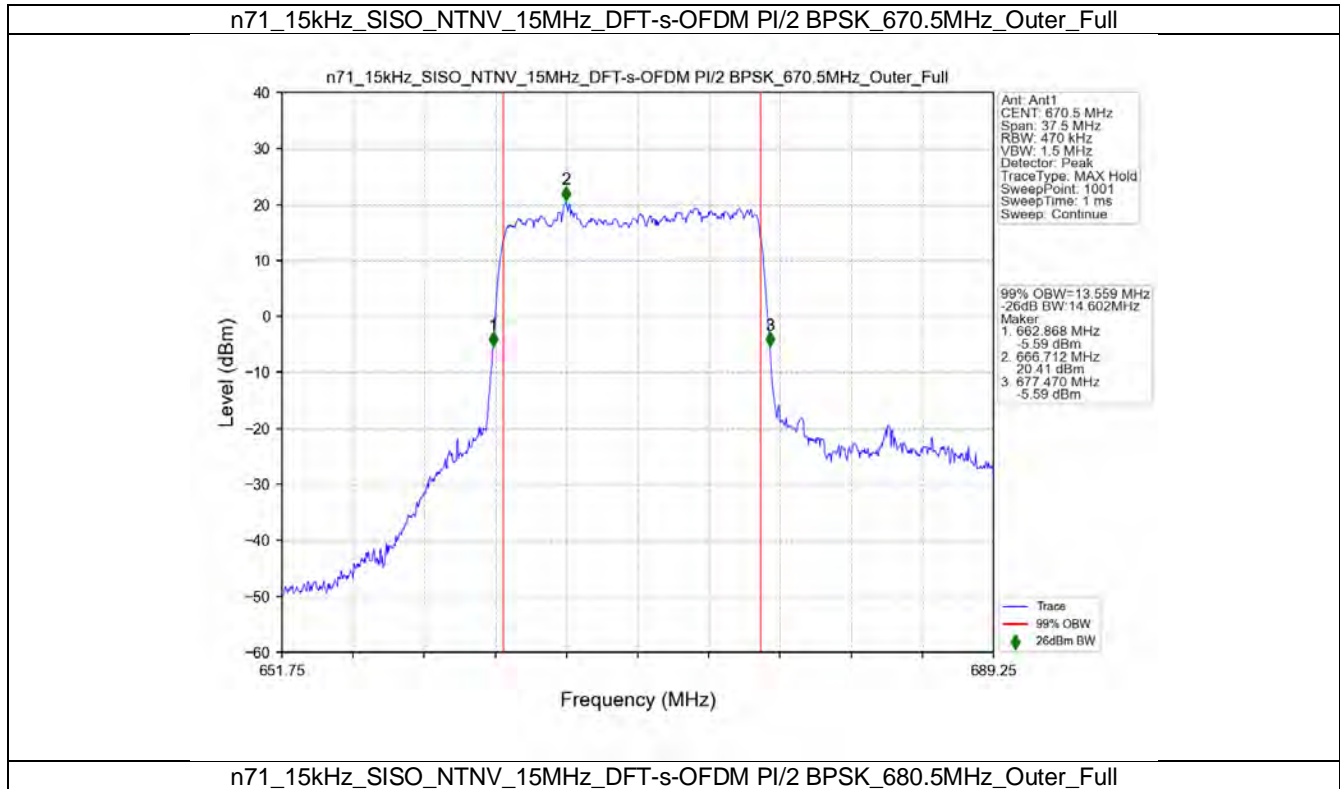
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3.3.2 Test Graph



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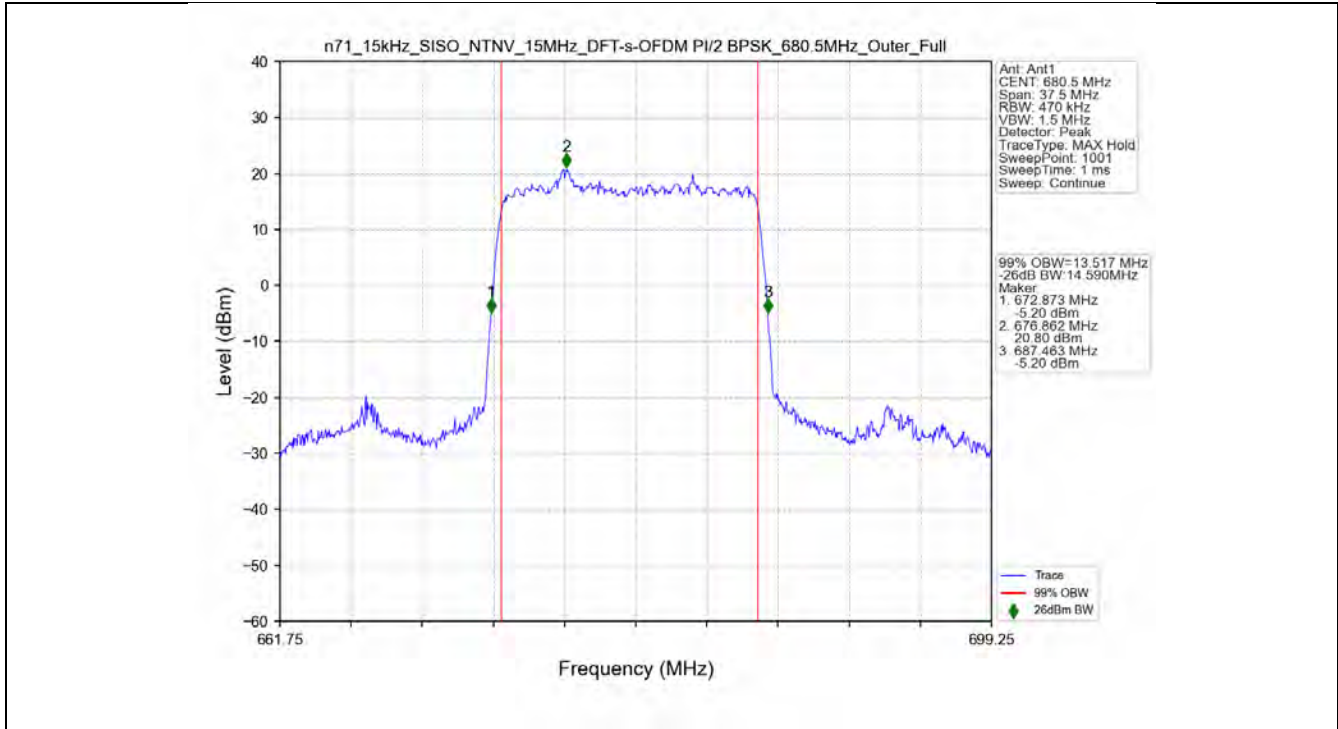


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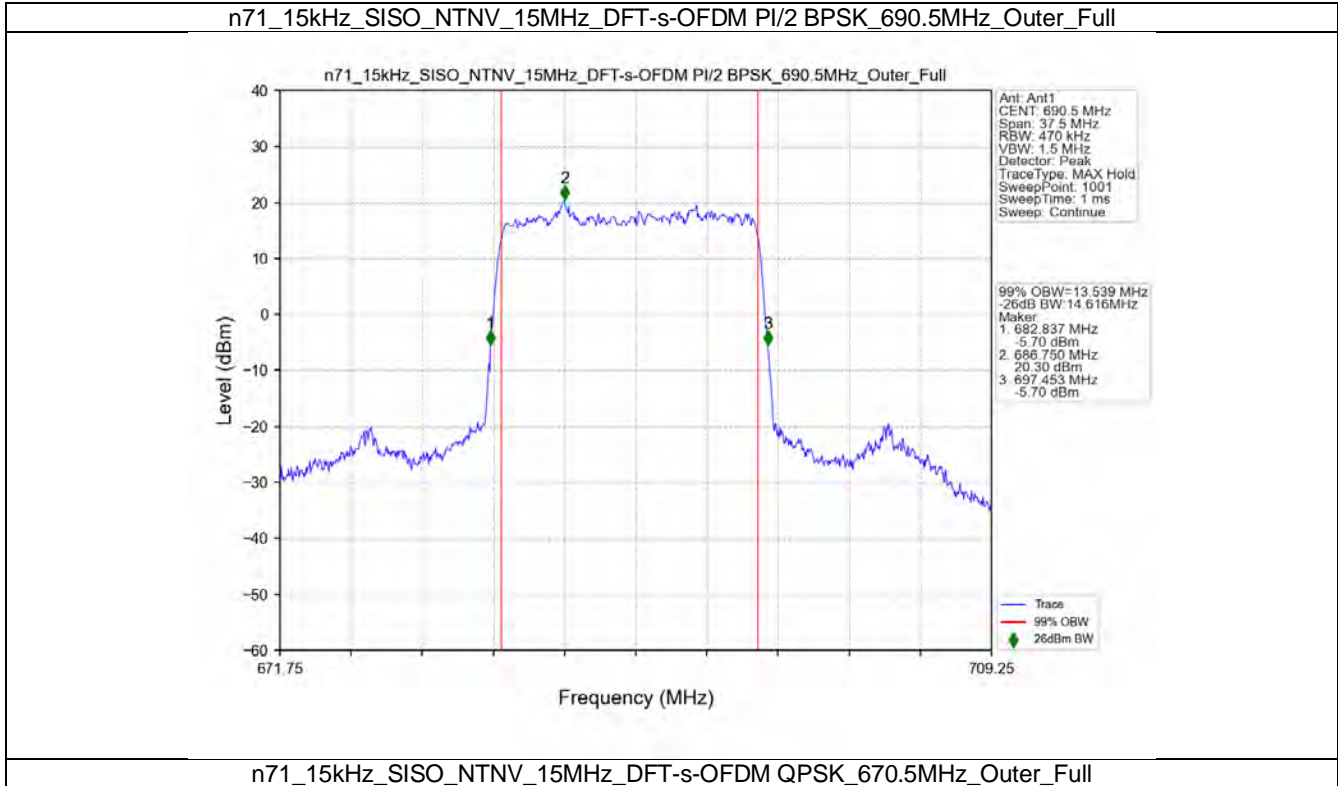


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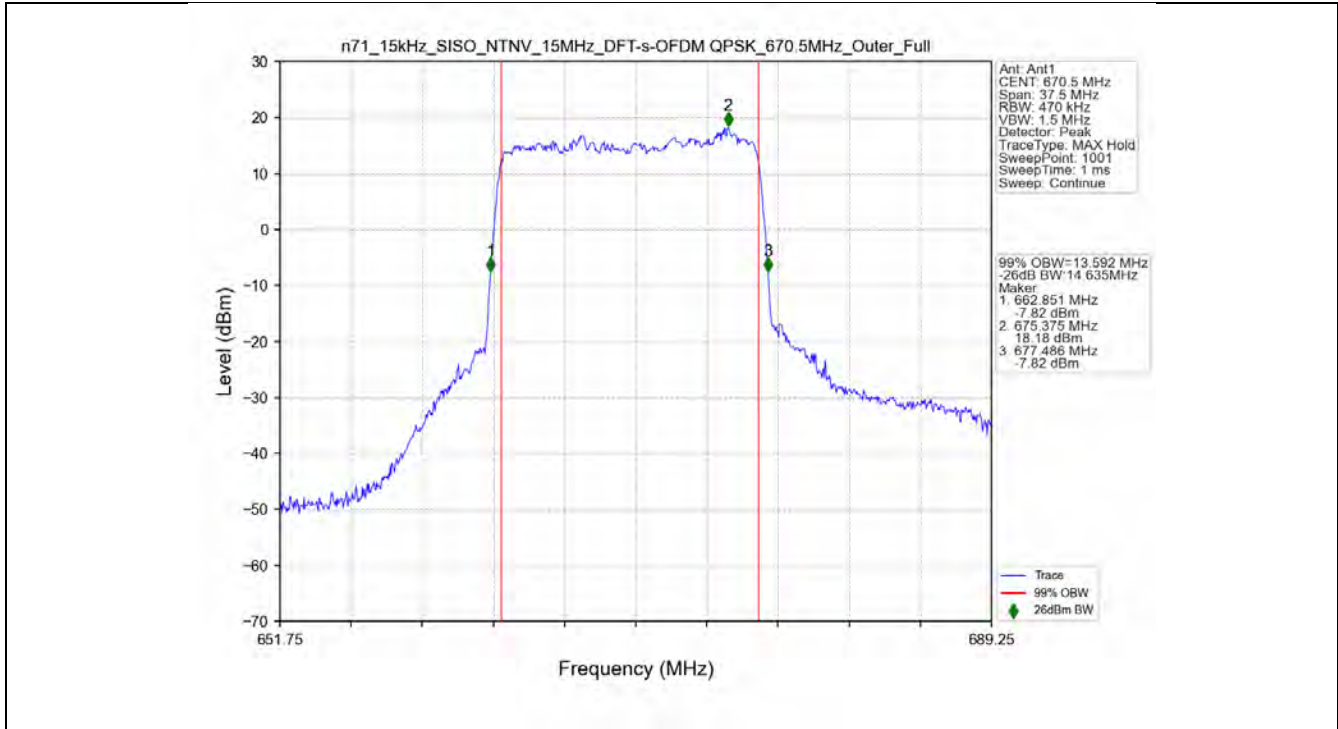


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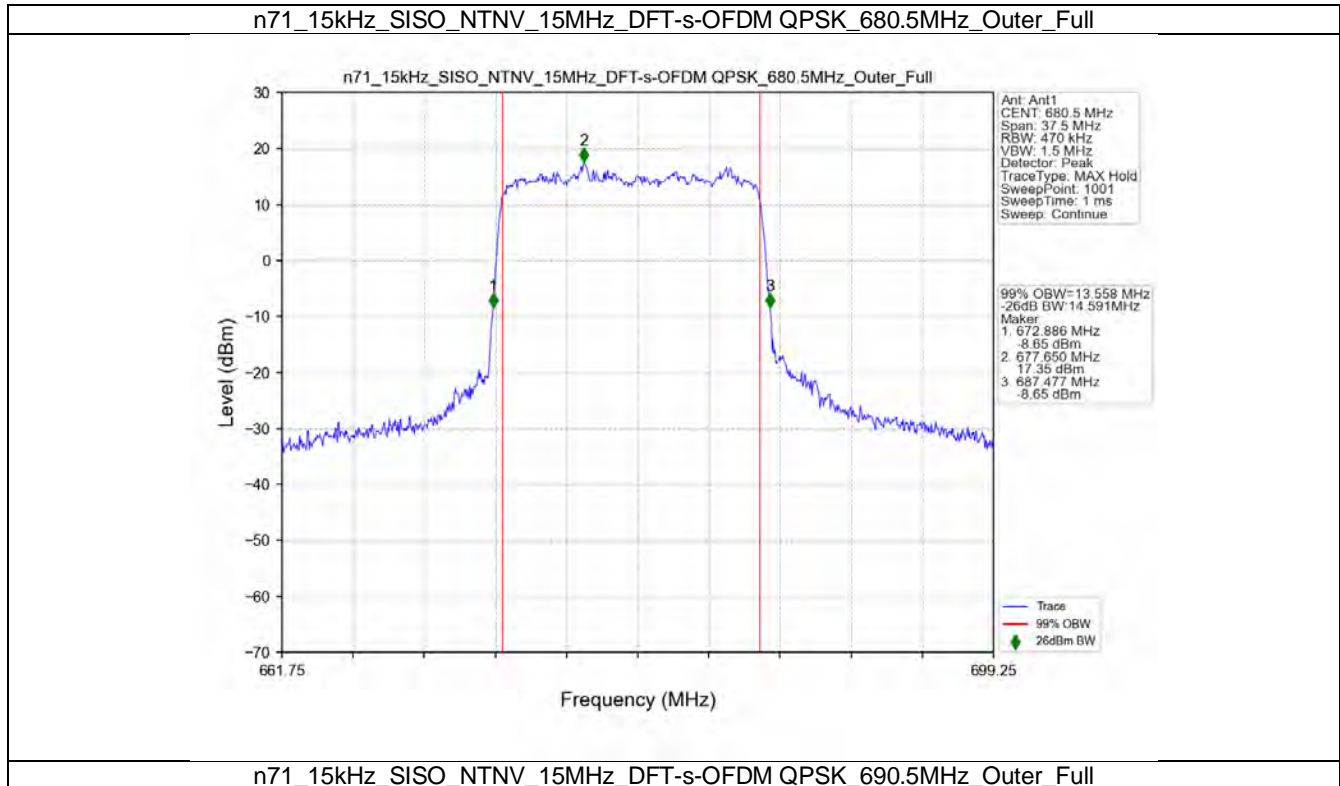


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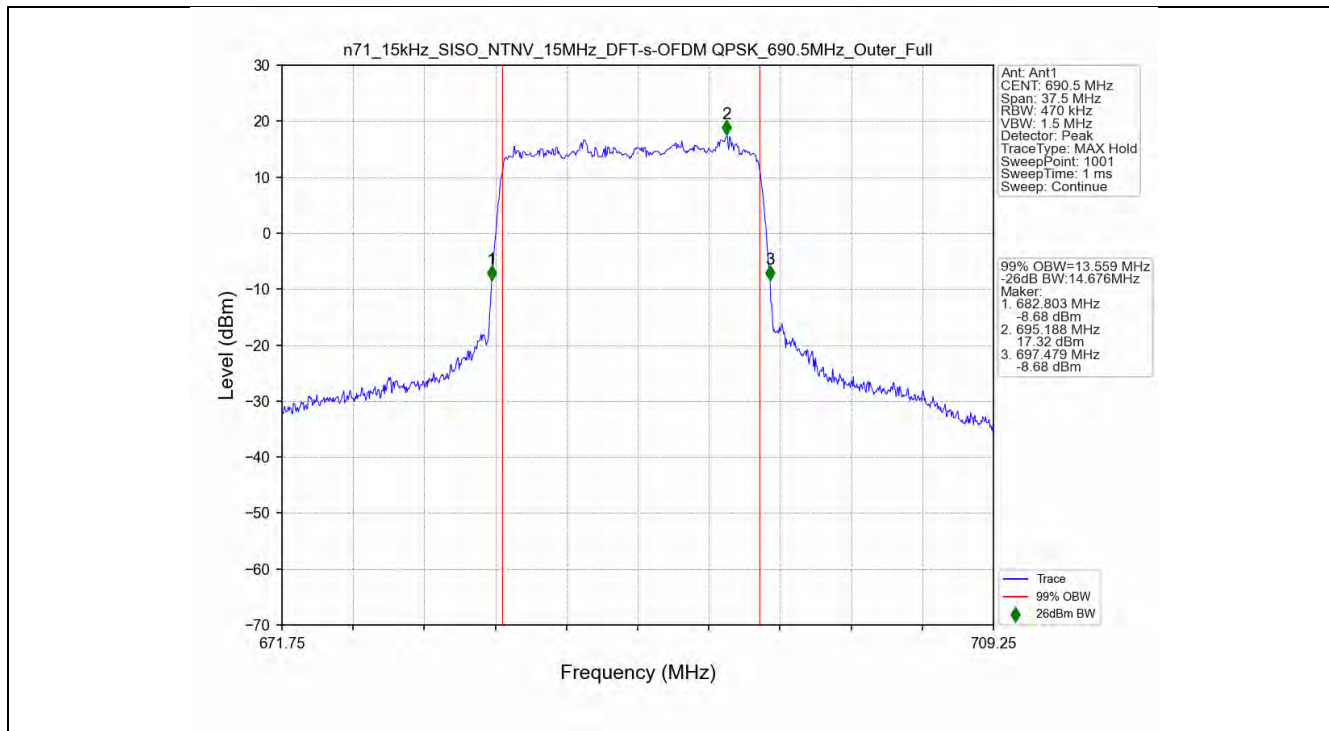
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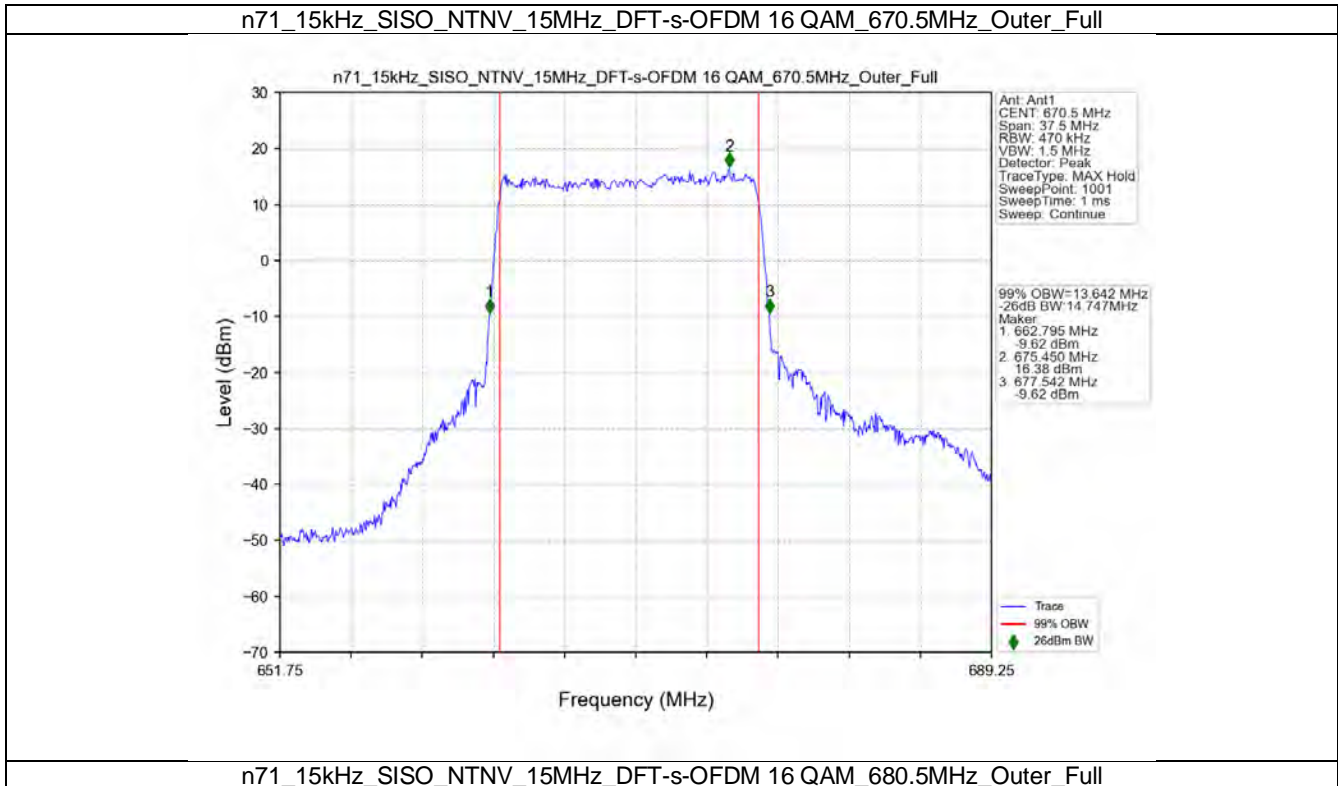


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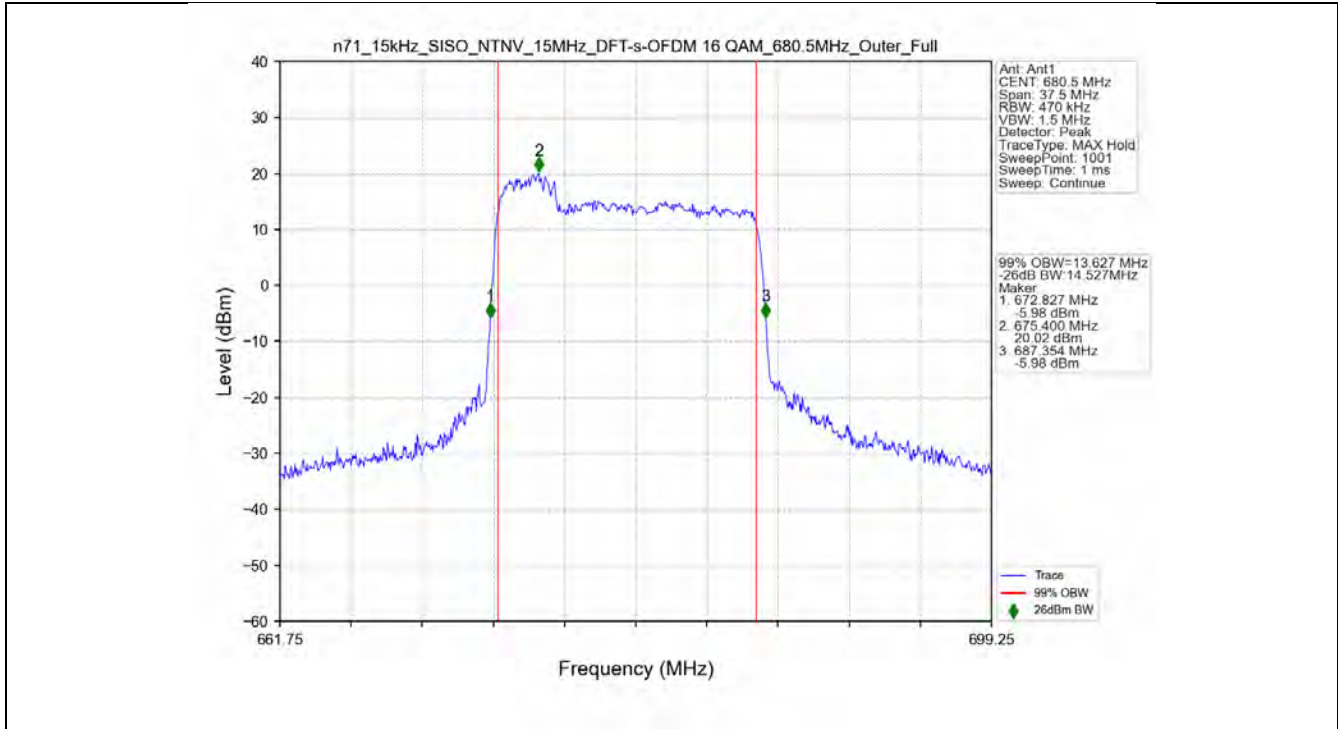


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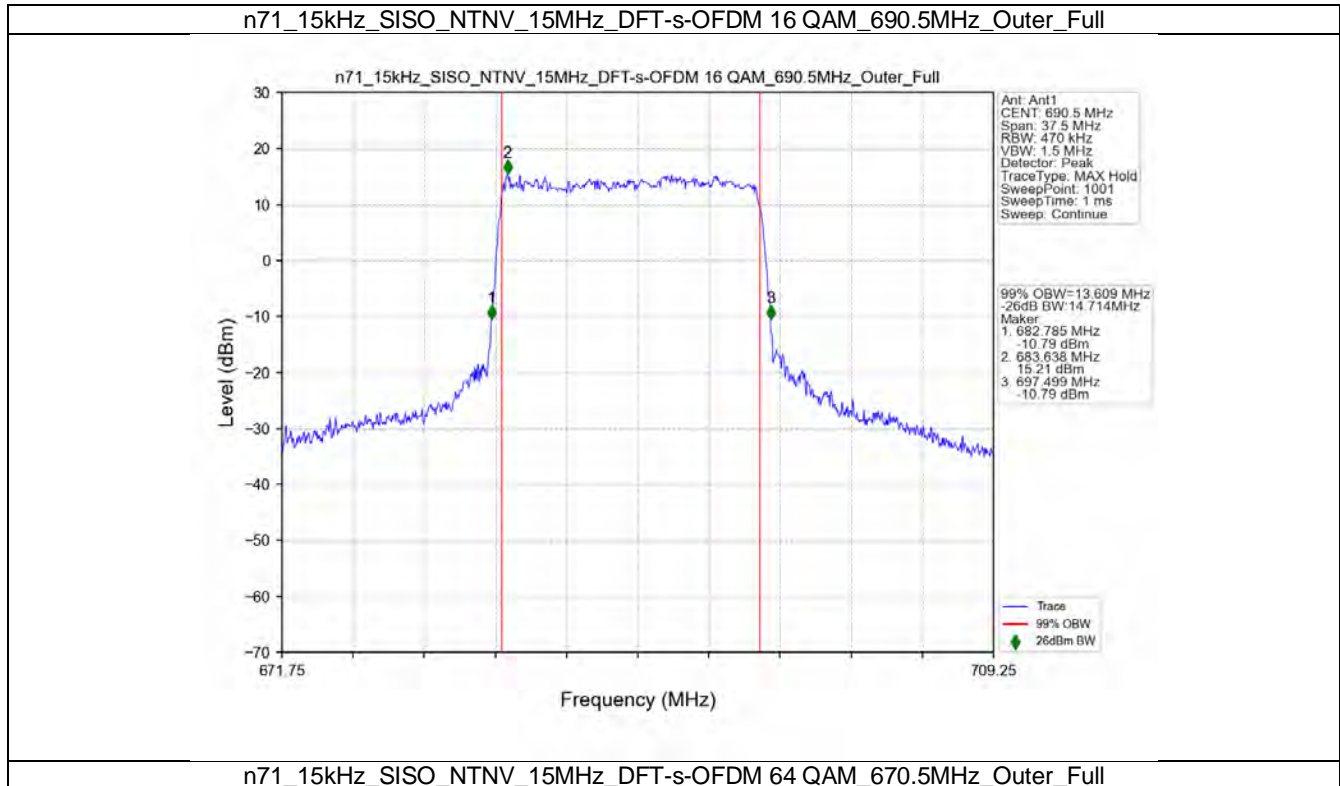


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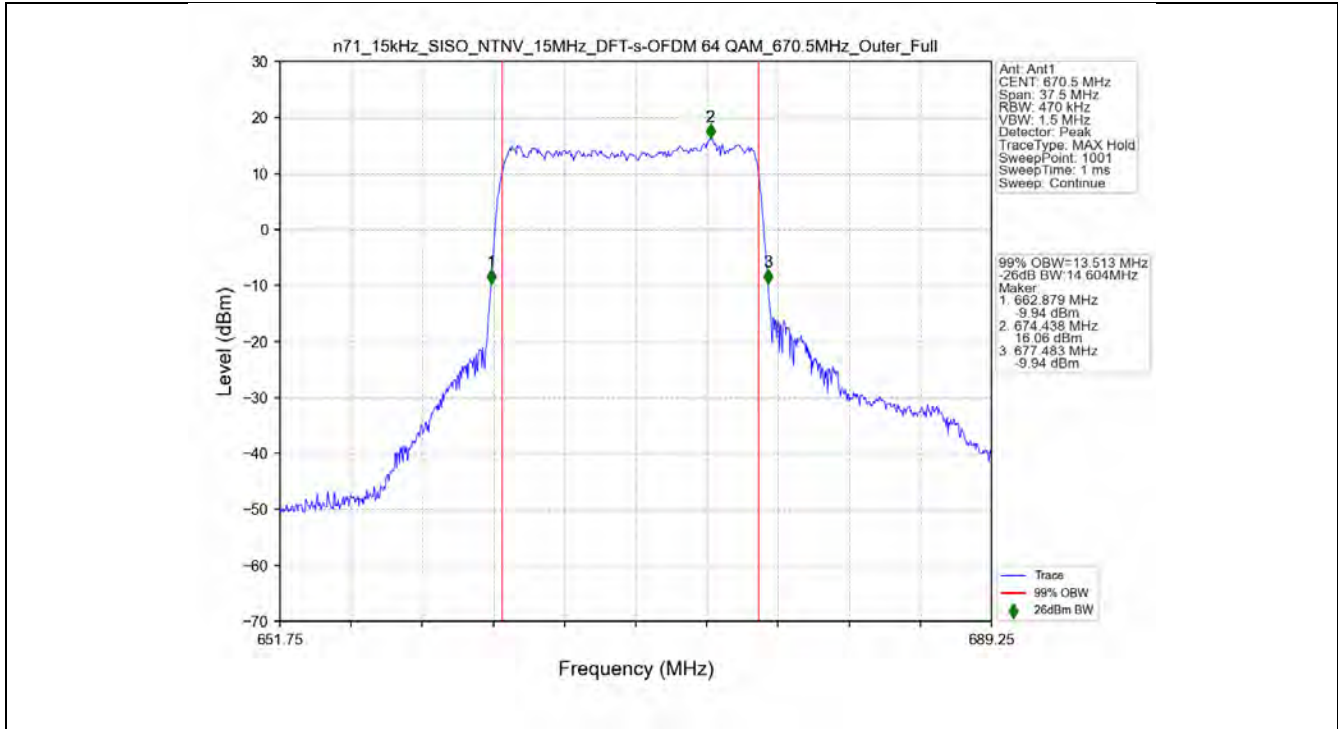


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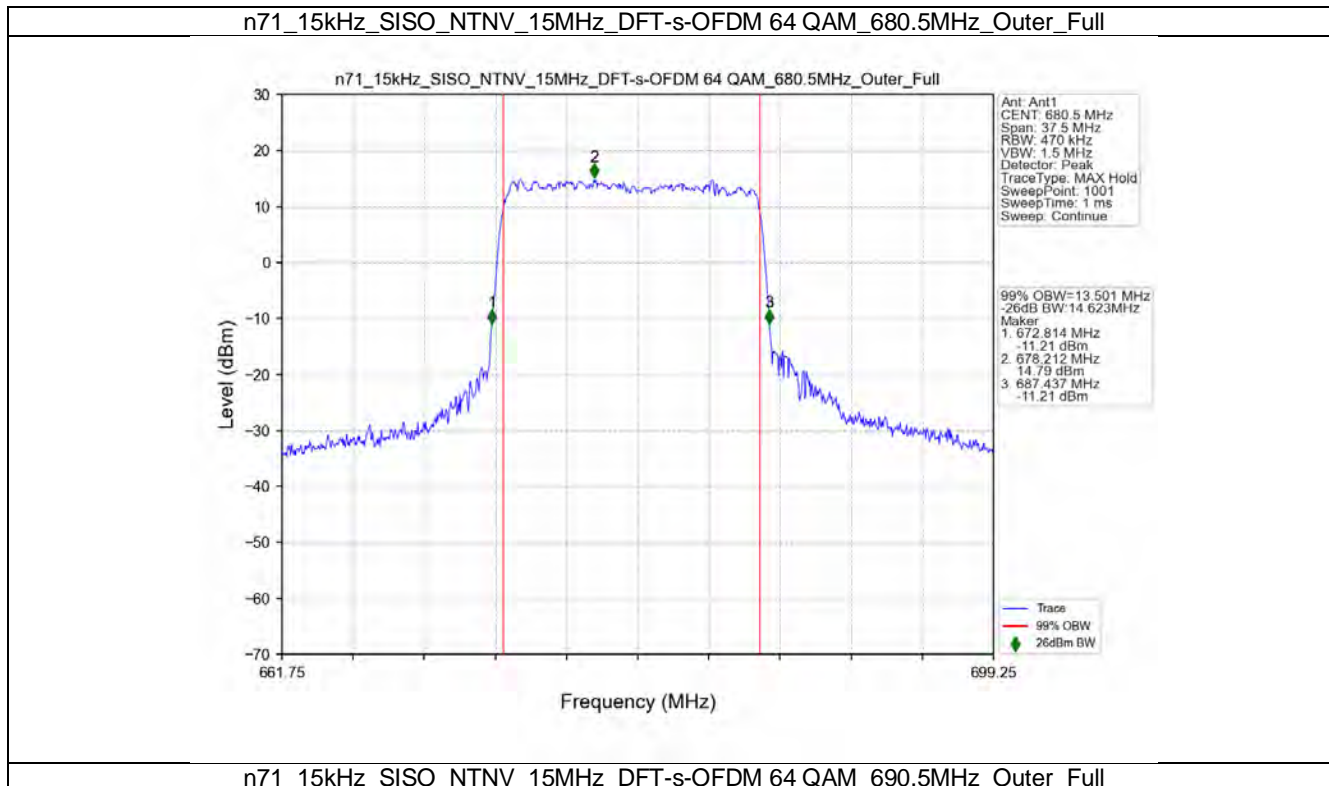
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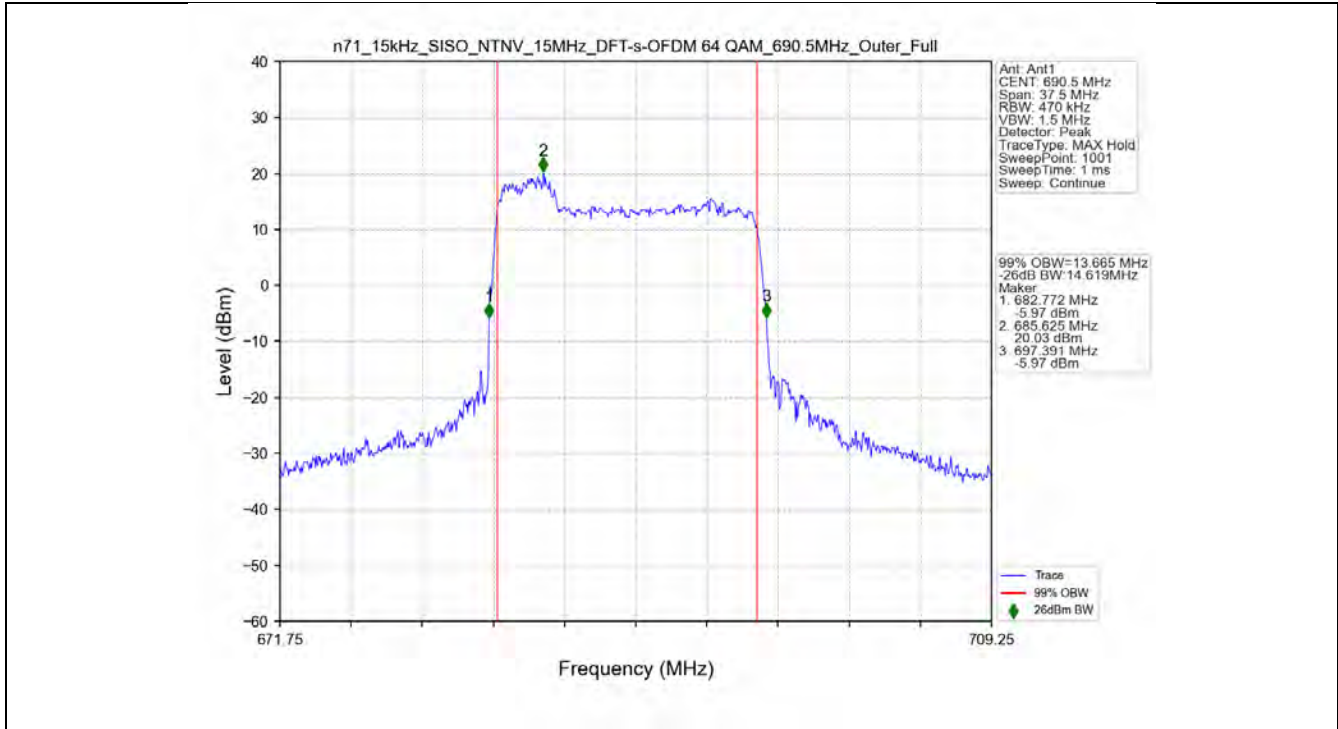


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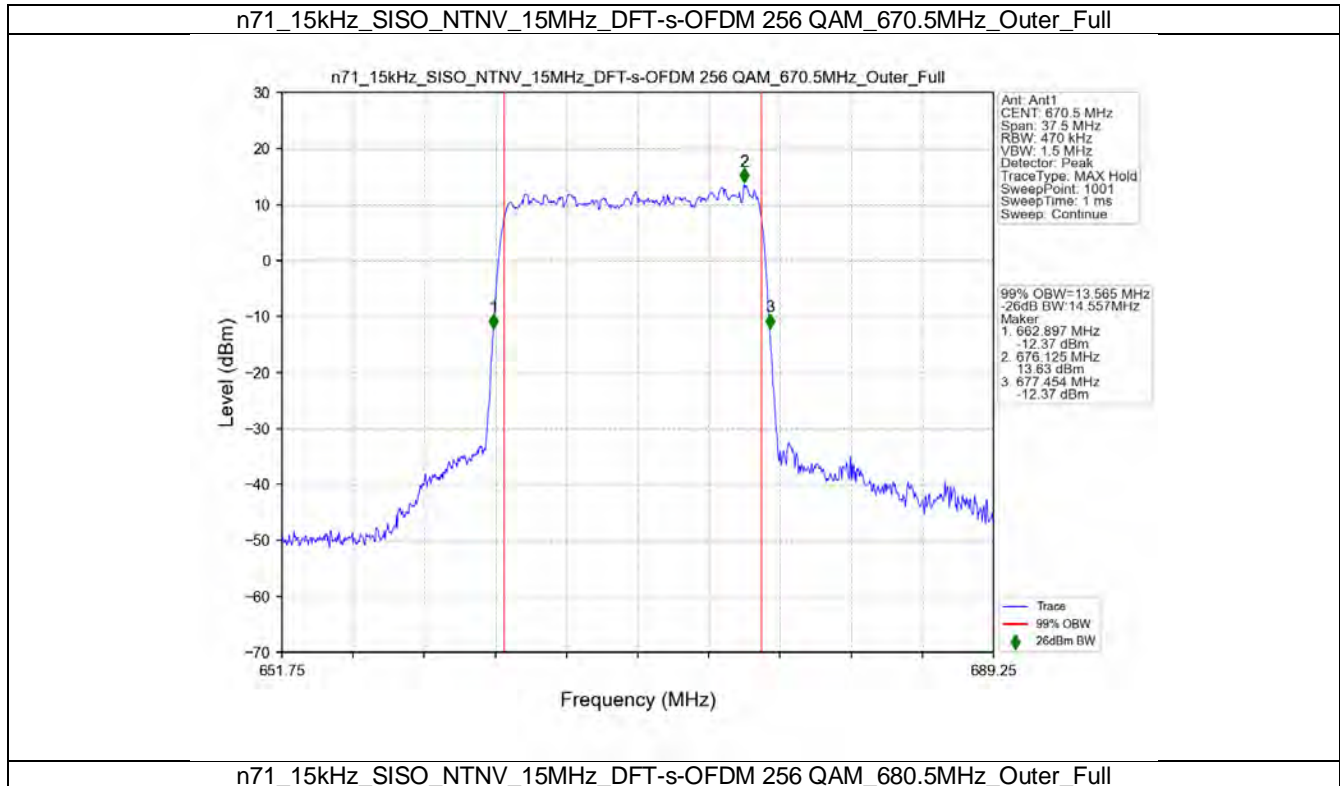


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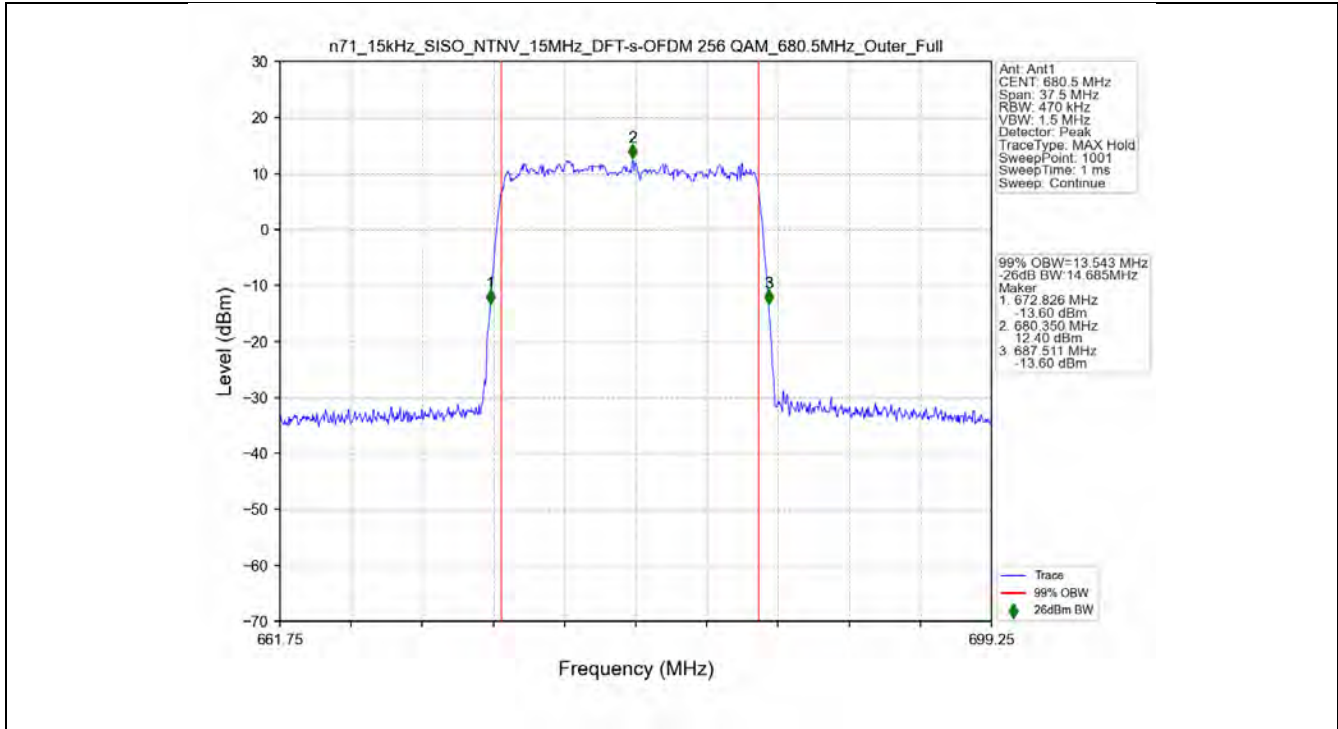


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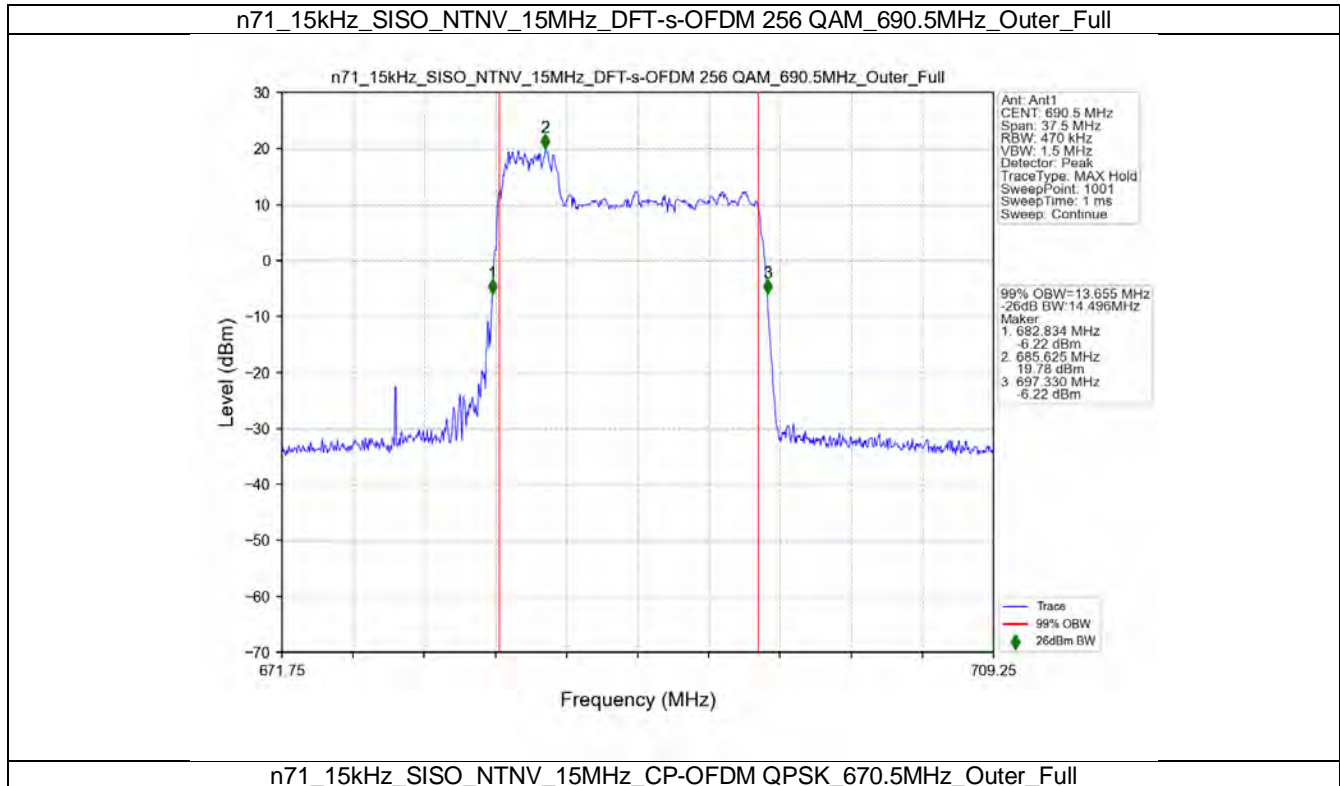


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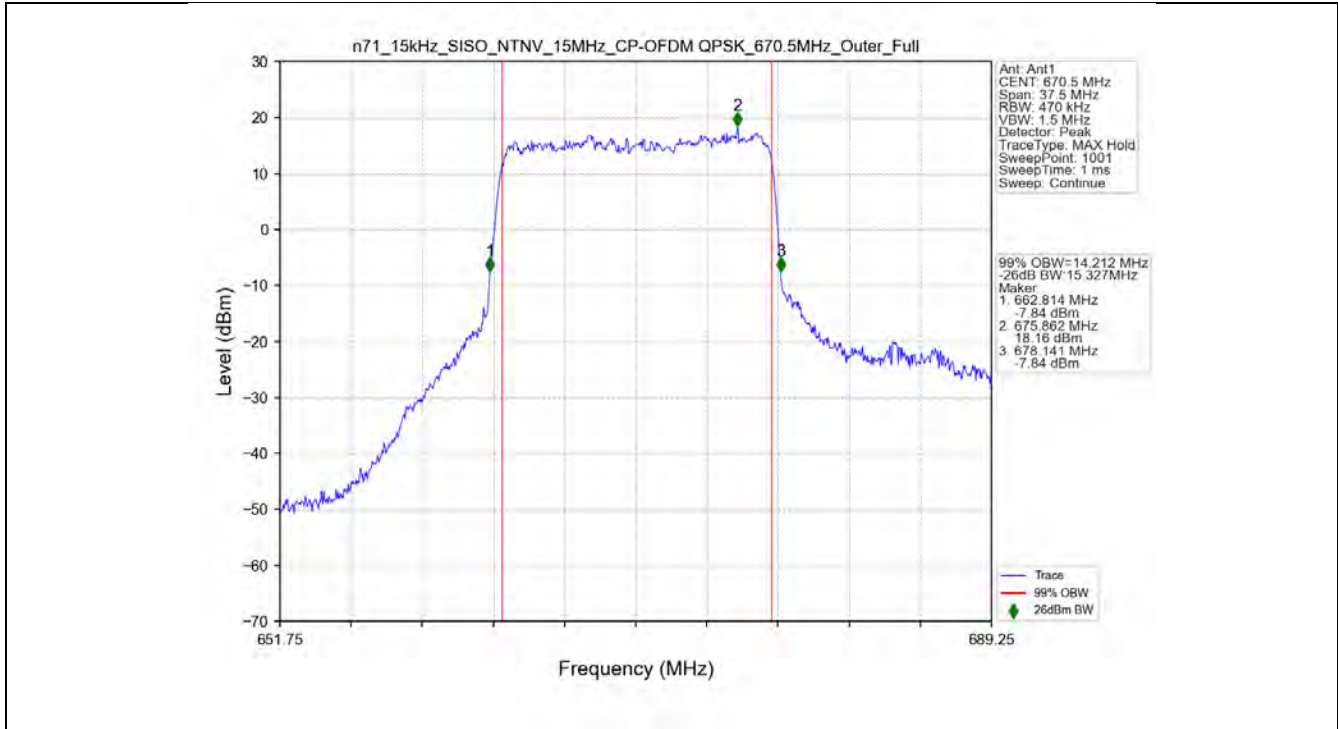


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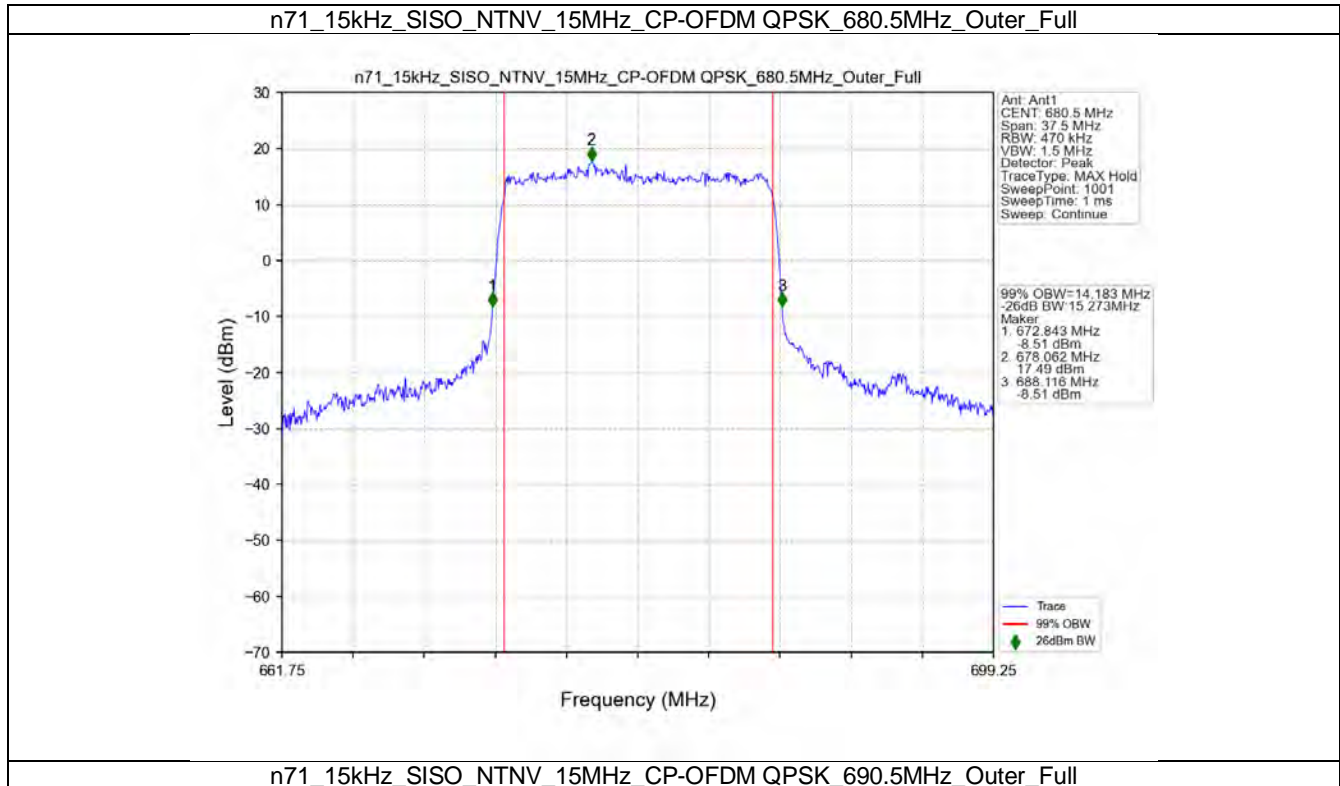


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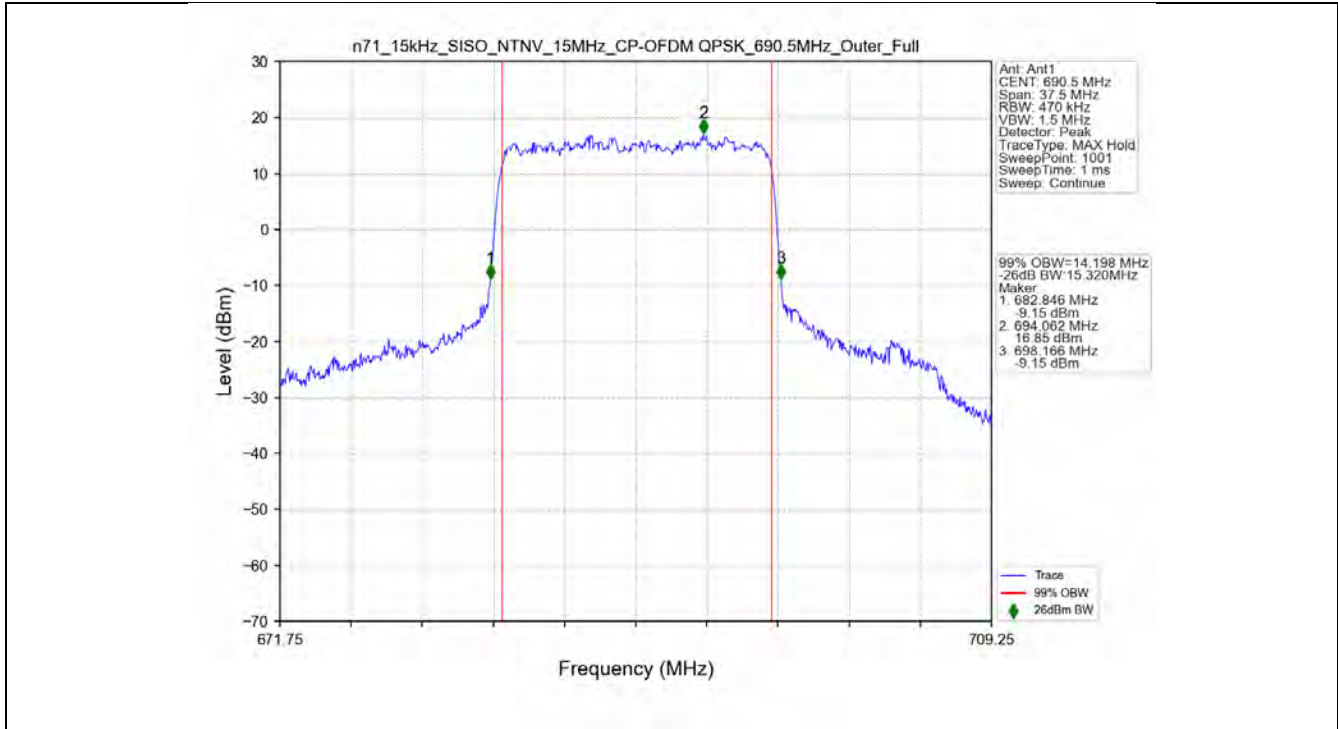


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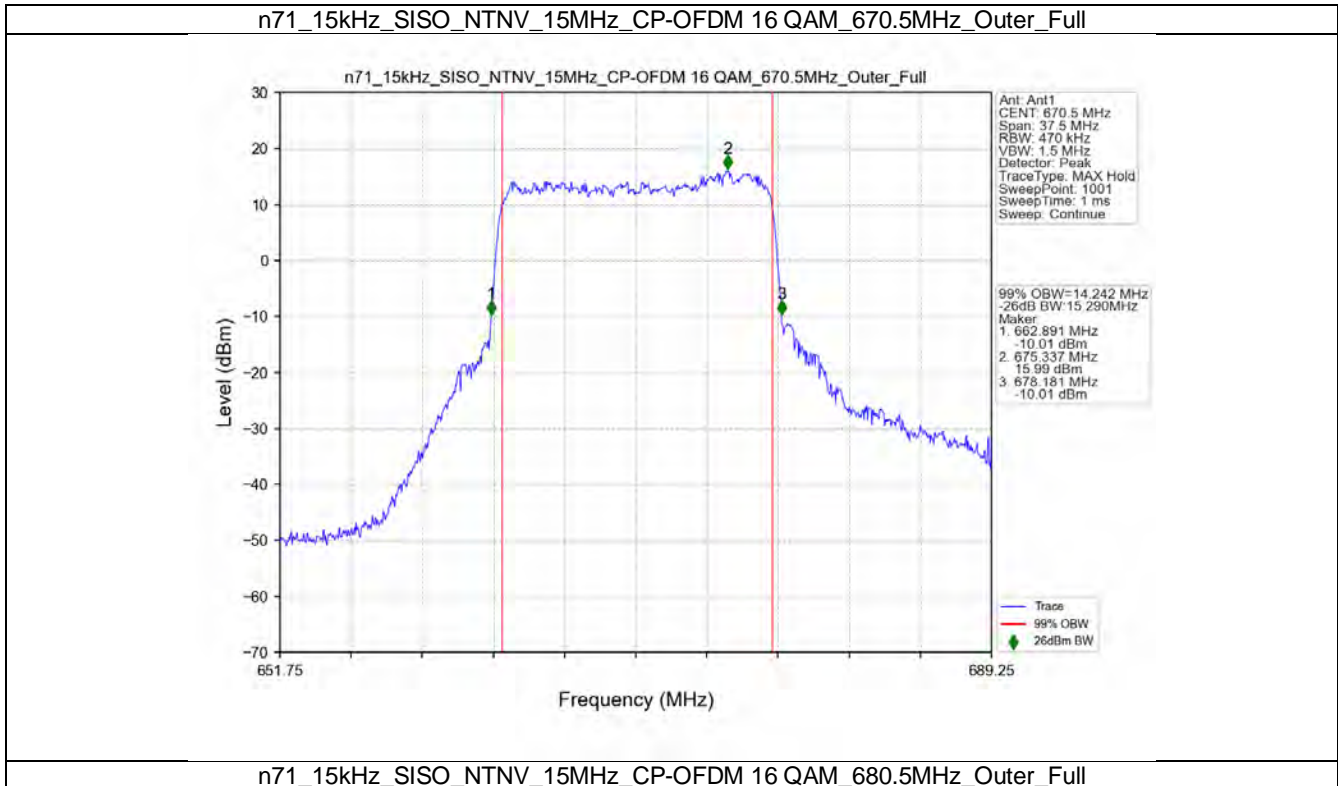


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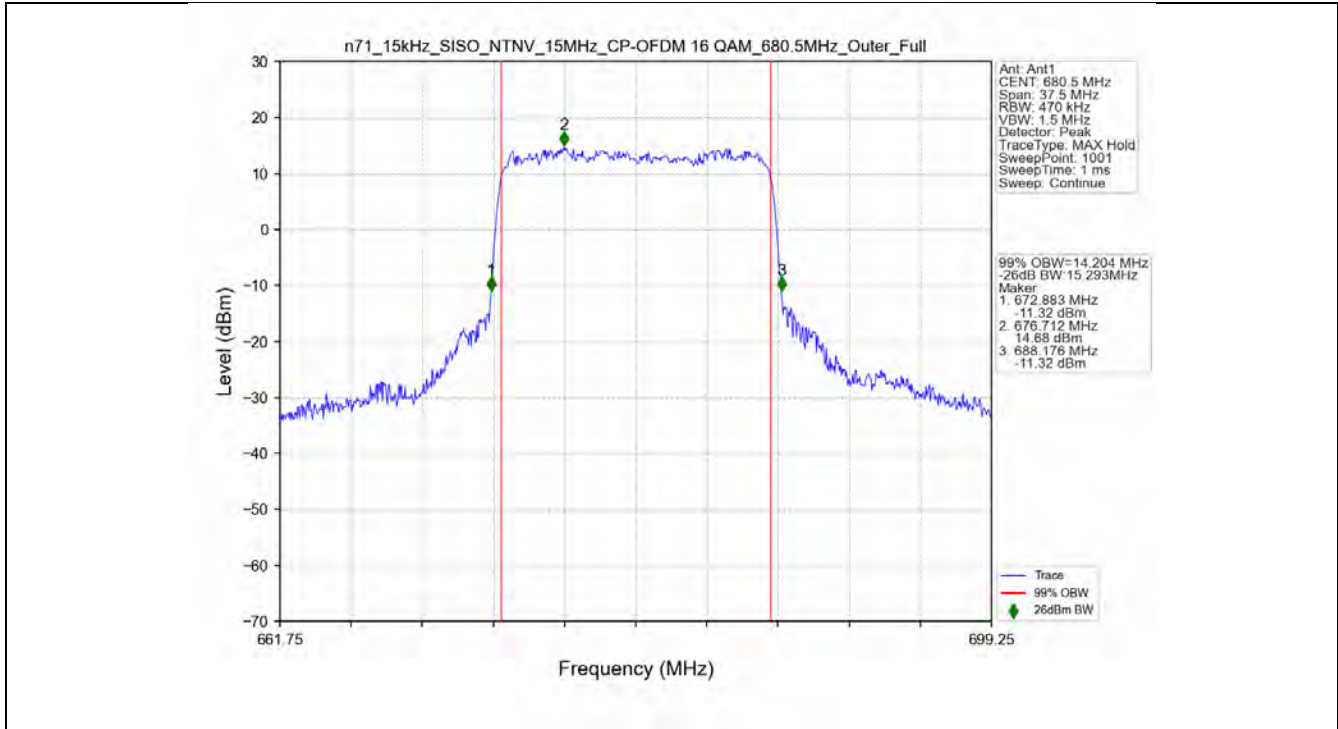


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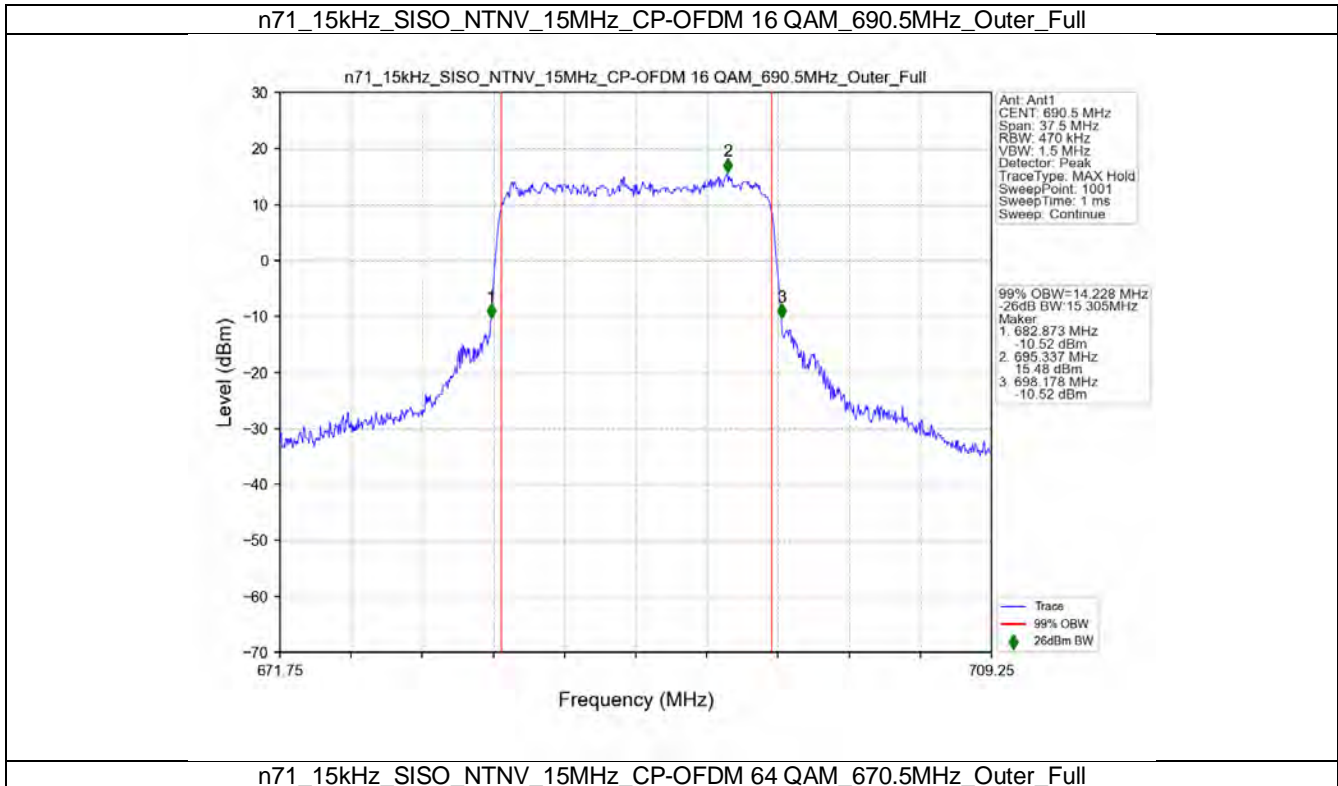


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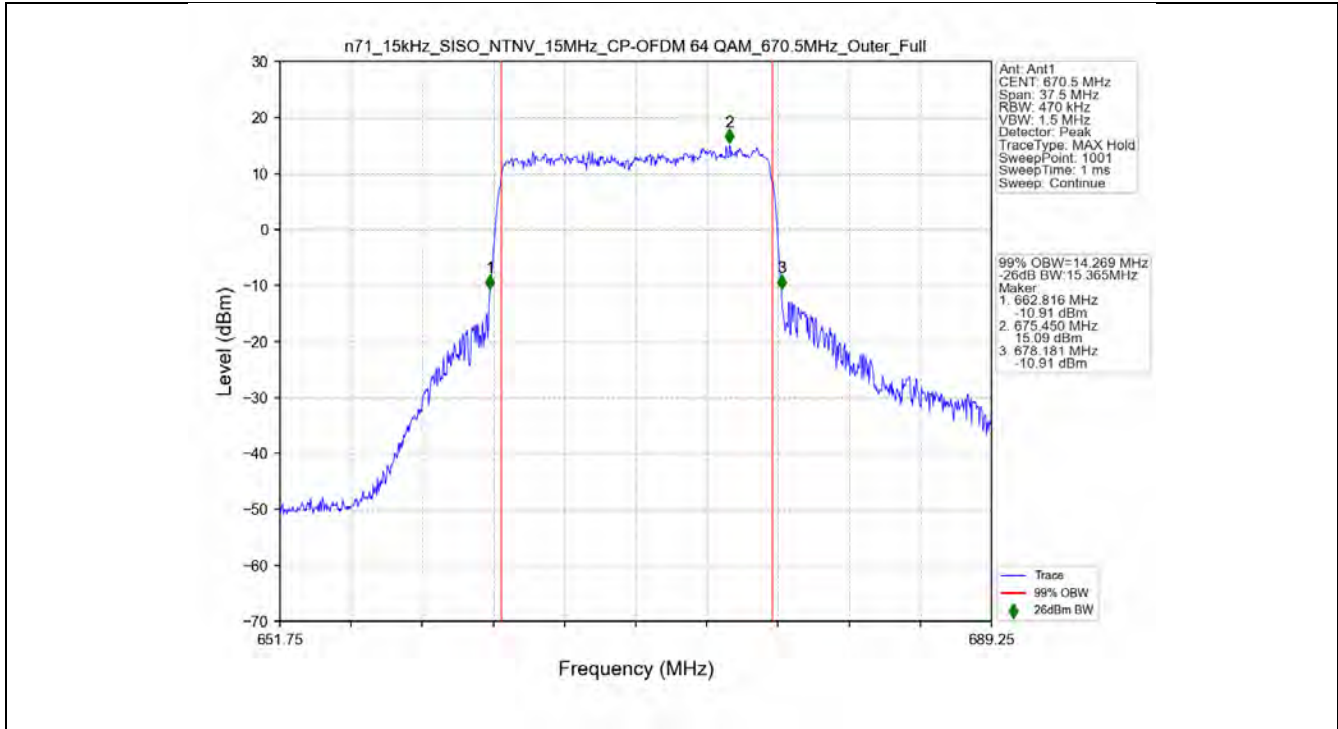


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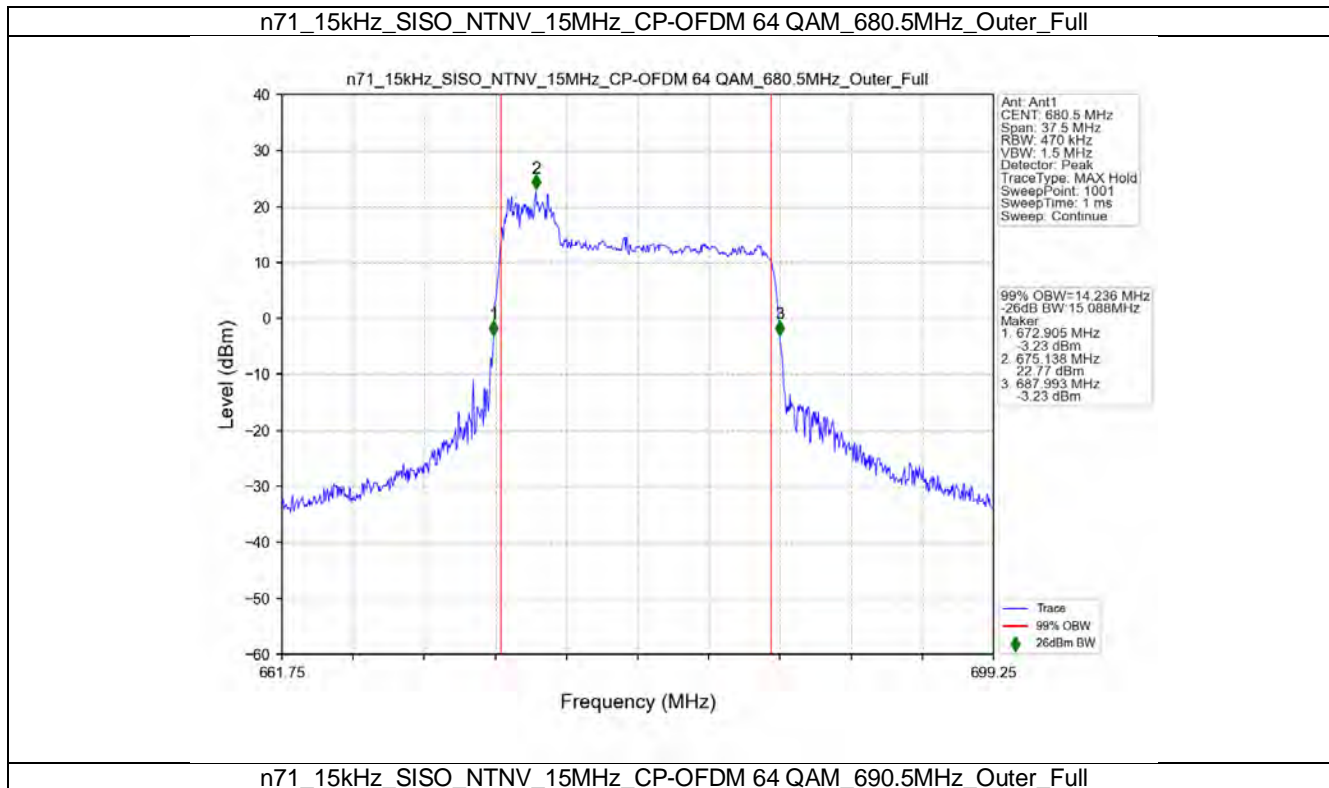
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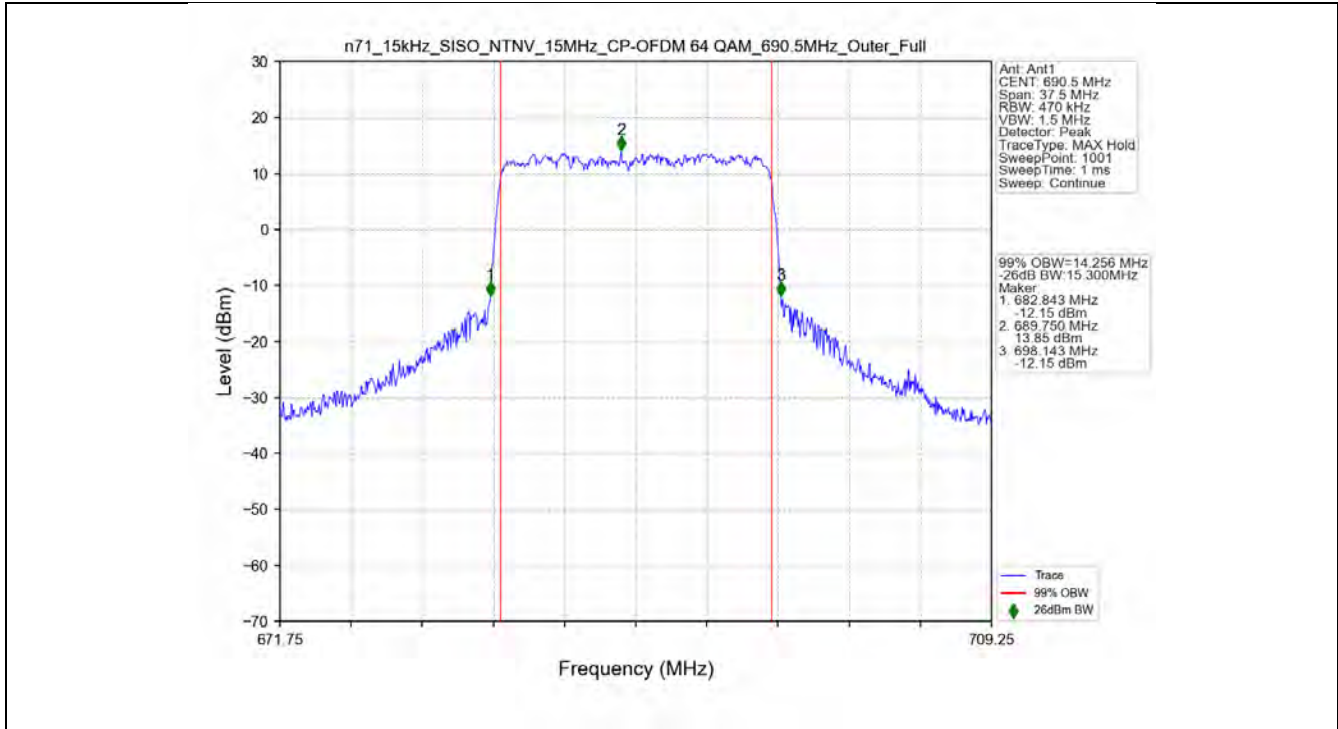


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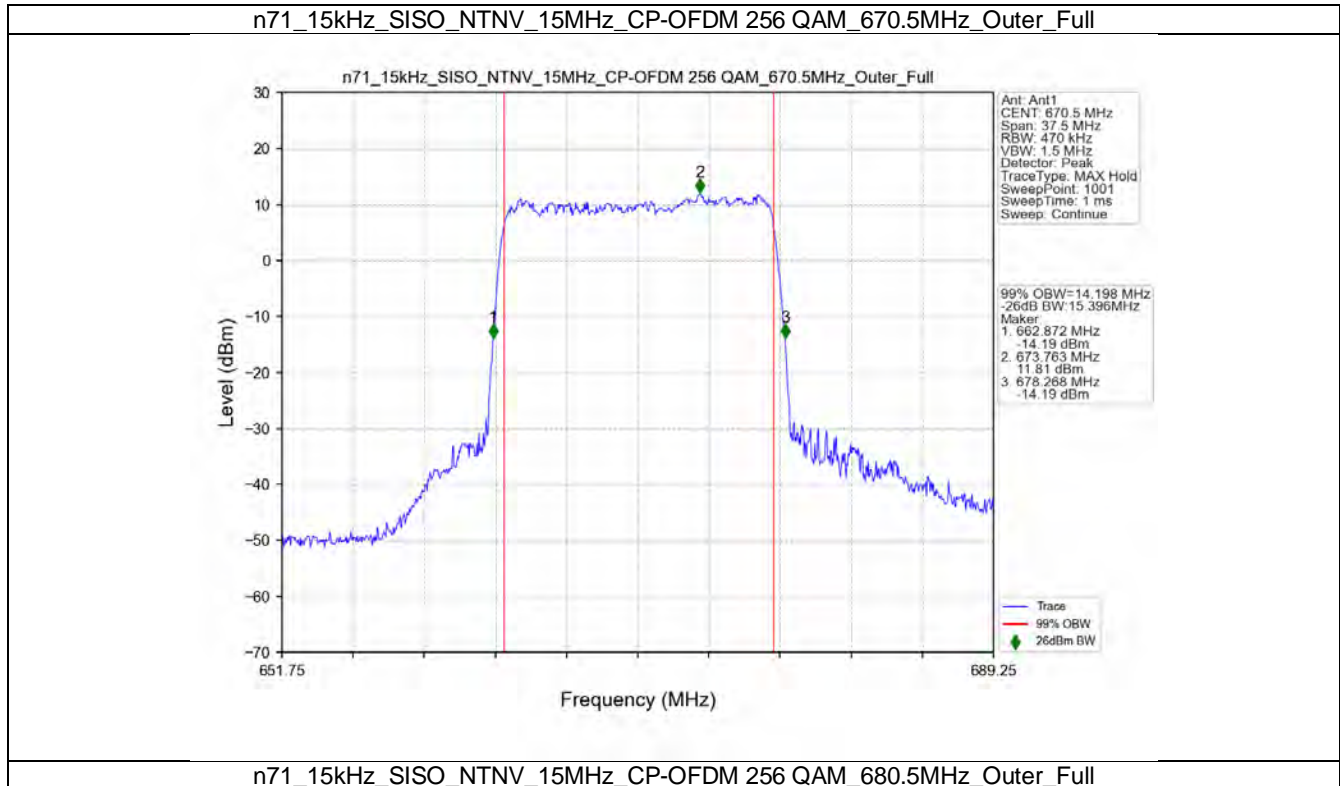


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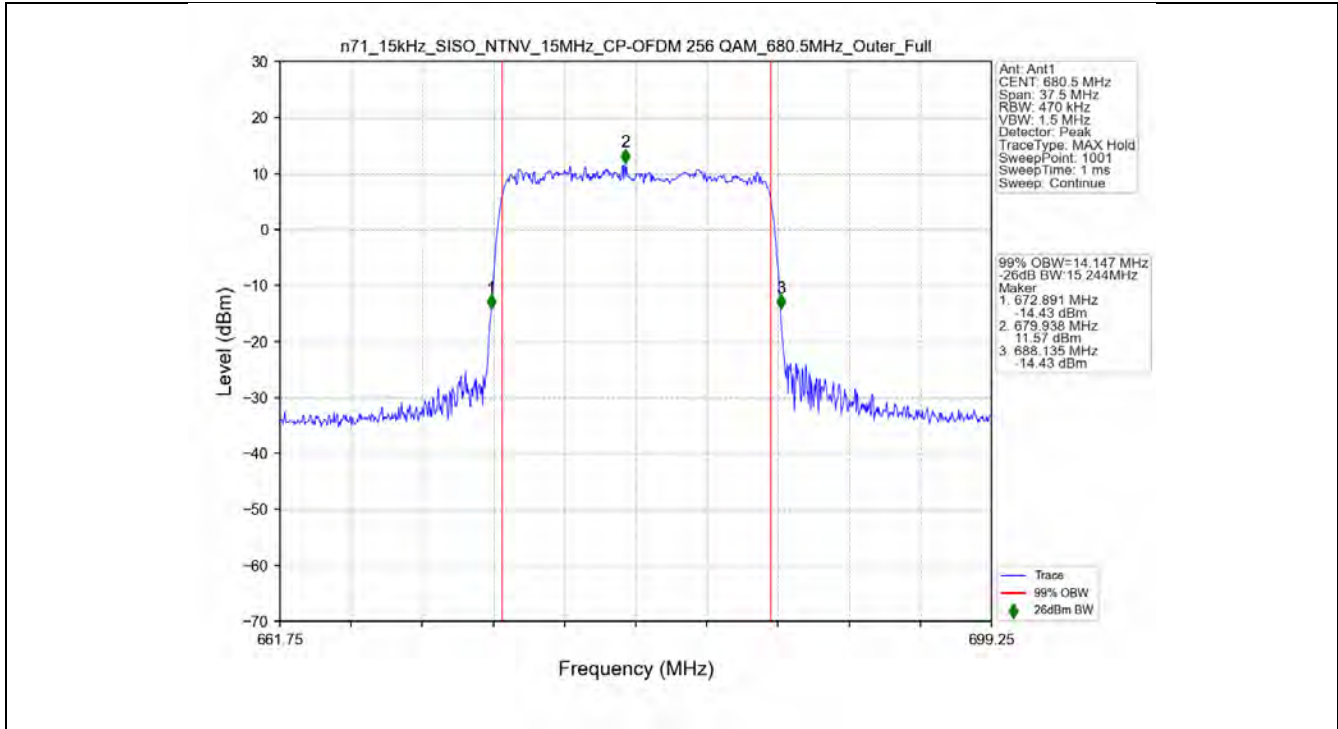


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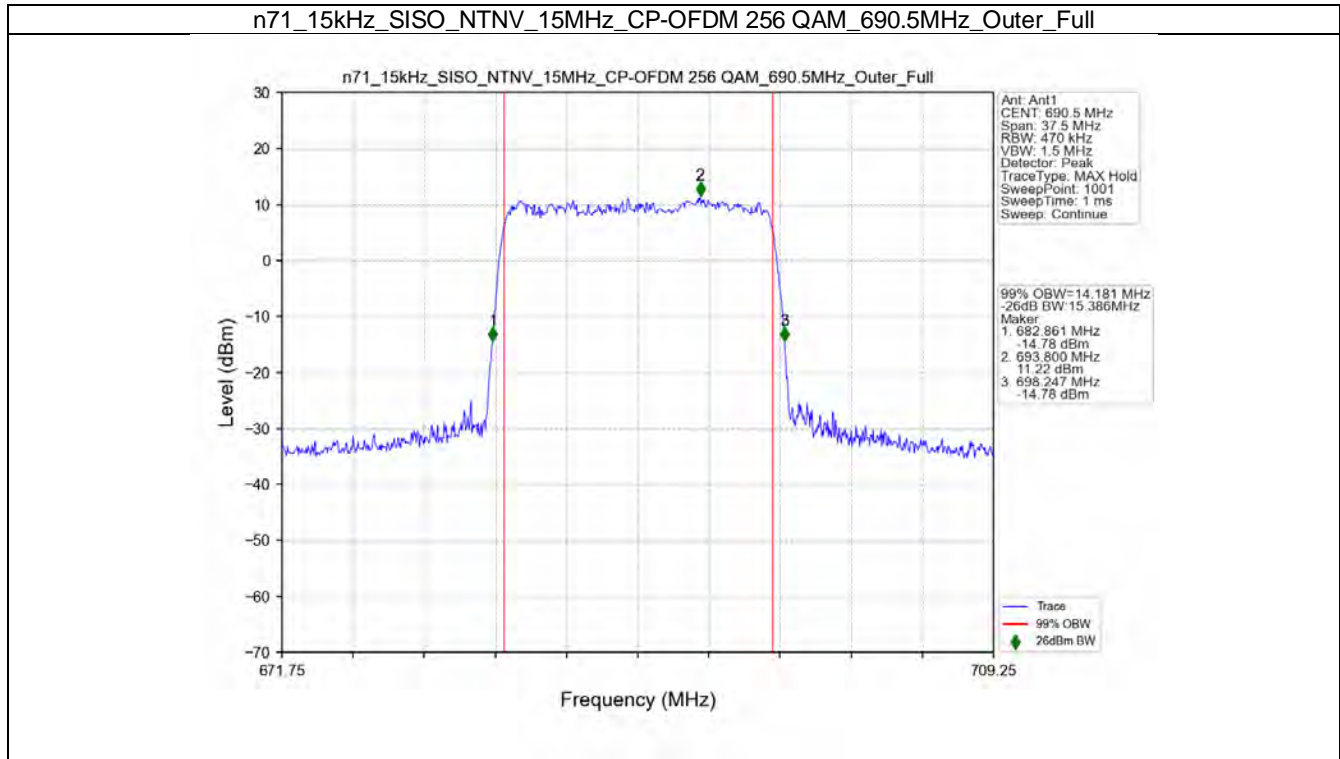


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3.4 15k_SISO_20MHz_NTNV

3.4.1 Test Result

5G NR n71 SCS=15kHz SISO 20MHz NNTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	17.99	19.32	/	Pass
	680.5	Outer_Full	17.94	19.32	/	Pass
	688	Outer_Full	18.05	19.38	/	Pass
DFT-s-OFDM QPSK	673	Outer_Full	17.97	19.39	/	Pass
	680.5	Outer_Full	17.97	19.35	/	Pass
	688	Outer_Full	17.99	19.43	/	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	17.96	19.34	/	Pass
	680.5	Outer_Full	18.10	19.29	/	Pass
	688	Outer_Full	18.01	19.38	/	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	17.96	19.36	/	Pass
	680.5	Outer_Full	18.09	24.73	/	Pass
	688	Outer_Full	18.16	19.65	/	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	17.97	19.32	/	Pass
	680.5	Outer_Full	17.93	19.34	/	Pass
	688	Outer_Full	18.08	19.25	/	Pass
CP-OFDM QPSK	673	Outer_Full	18.95	20.42	/	Pass
	680.5	Outer_Full	18.92	20.47	/	Pass
	688	Outer_Full	19.13	20.27	/	Pass
CP-OFDM 16 QAM	673	Outer_Full	19.00	20.46	/	Pass
	680.5	Outer_Full	19.11	20.40	/	Pass
	688	Outer_Full	19.06	20.46	/	Pass
CP-OFDM 64 QAM	673	Outer_Full	19.04	20.39	/	Pass
	680.5	Outer_Full	19.09	20.40	/	Pass
	688	Outer_Full	19.12	20.21	/	Pass
CP-OFDM 256 QAM	673	Outer_Full	19.10	20.48	/	Pass
	680.5	Outer_Full	19.07	20.54	/	Pass
	688	Outer_Full	19.14	20.59	/	Pass



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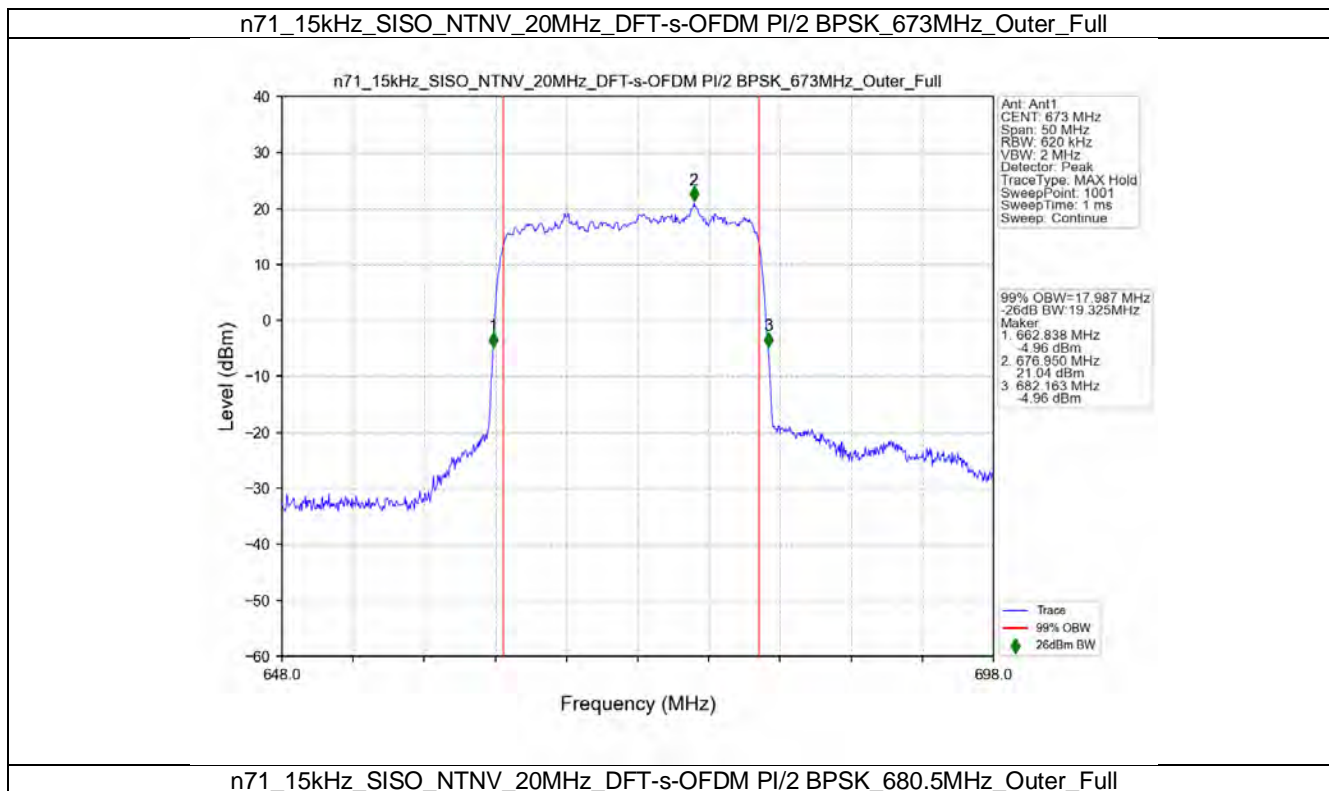
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3.4.2 Test Graph



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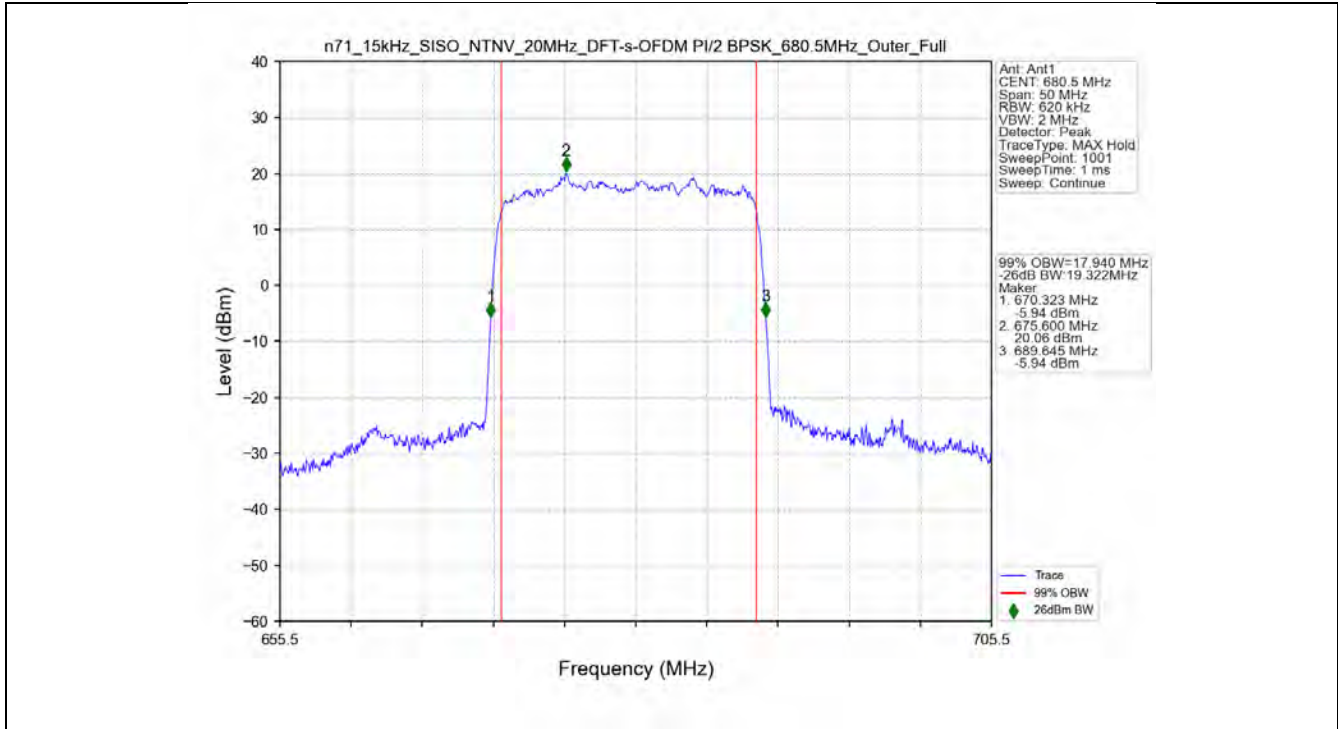


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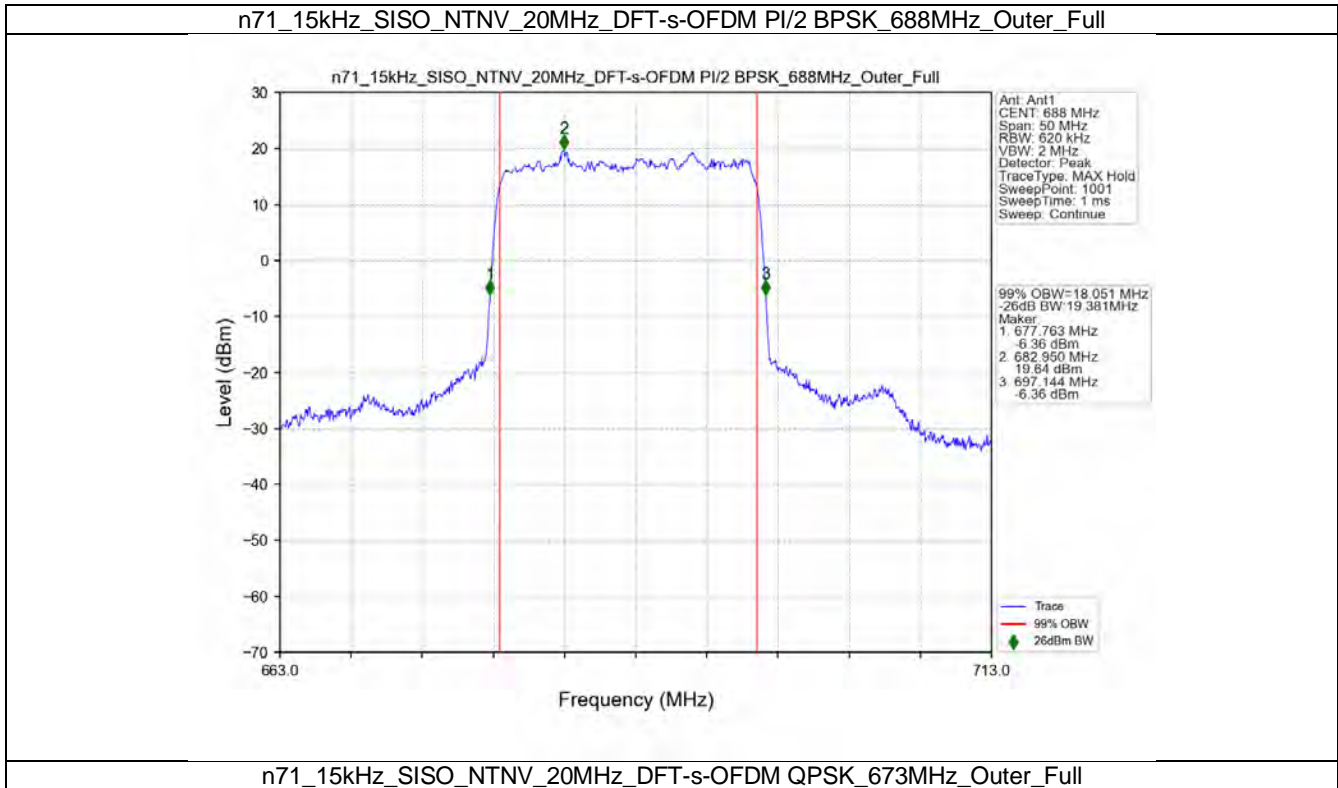


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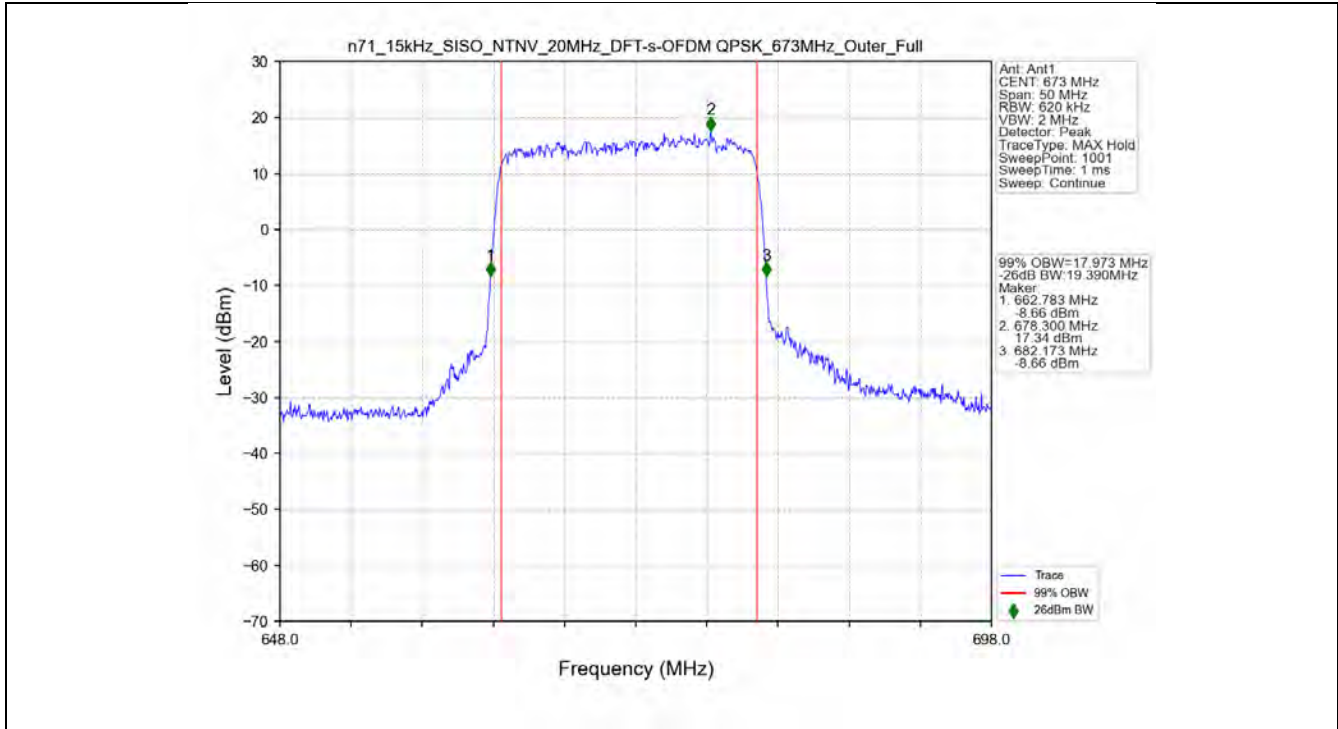


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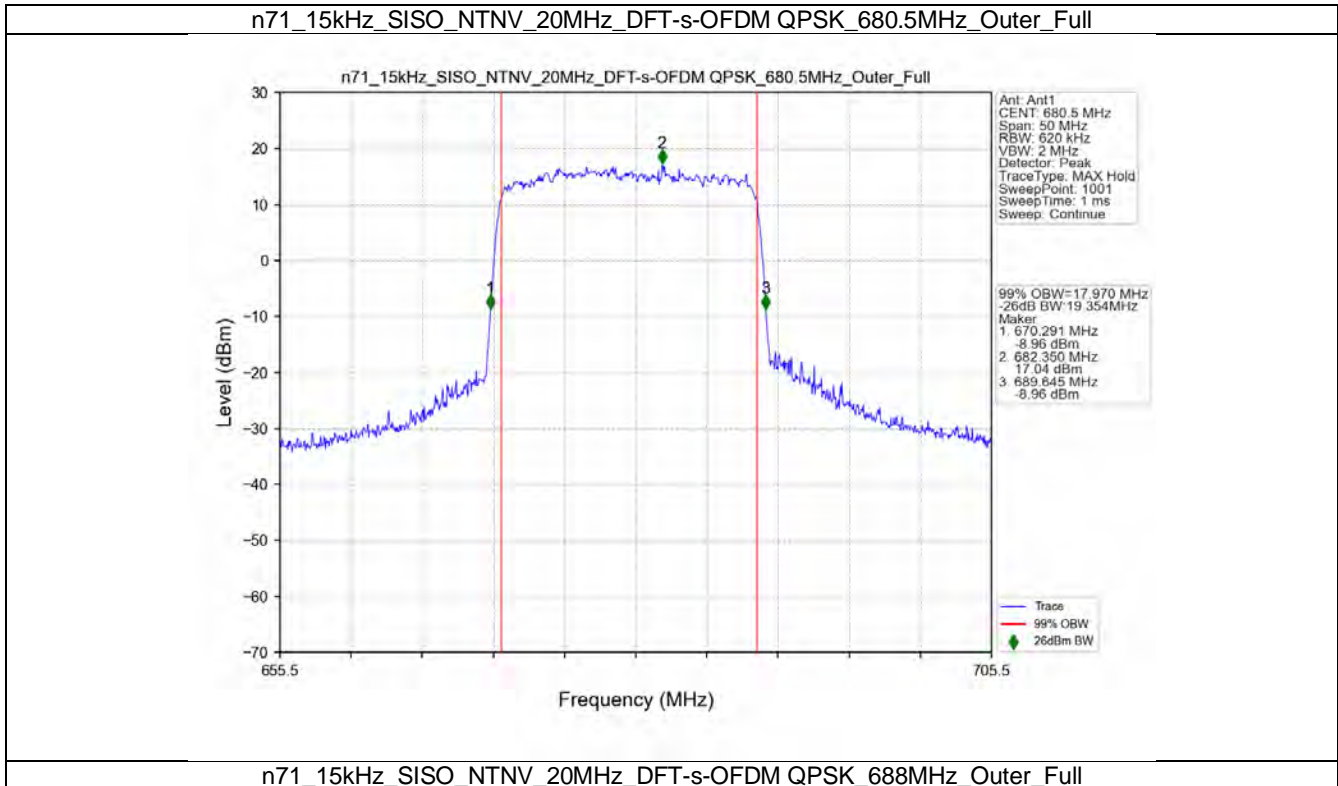


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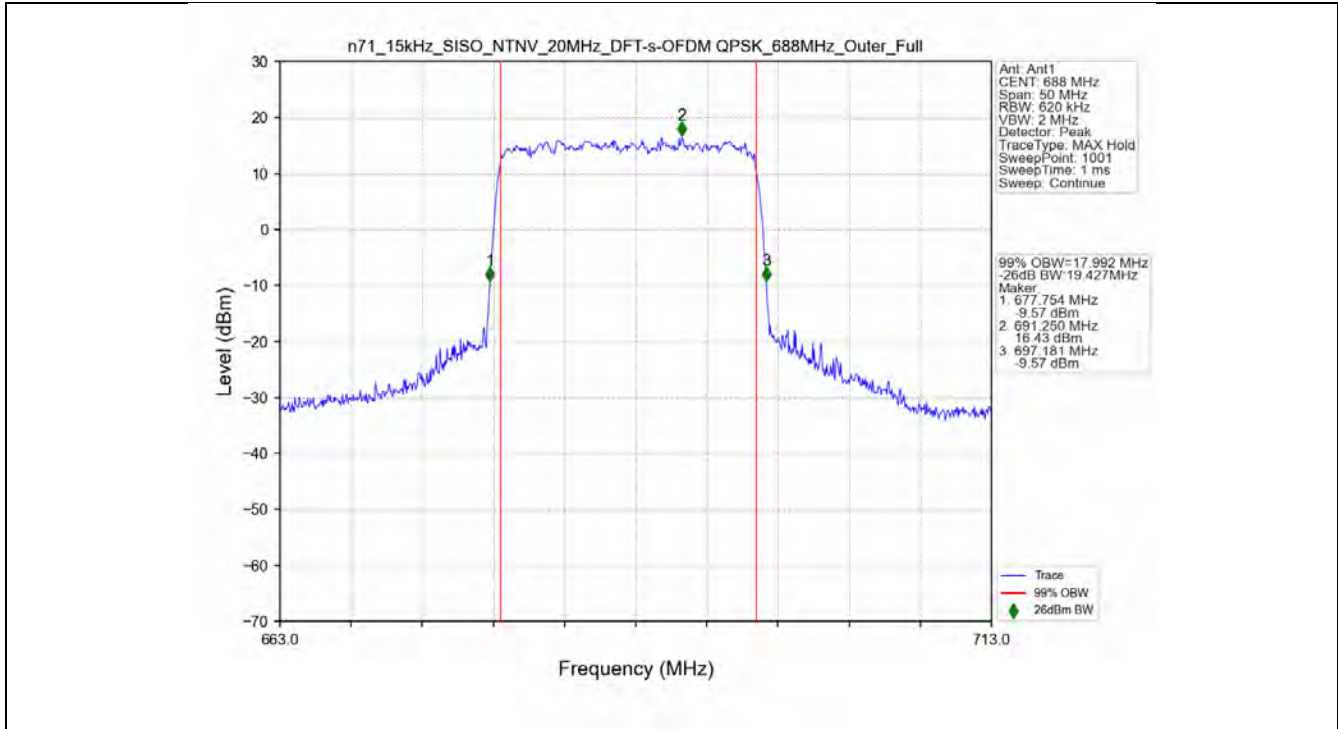


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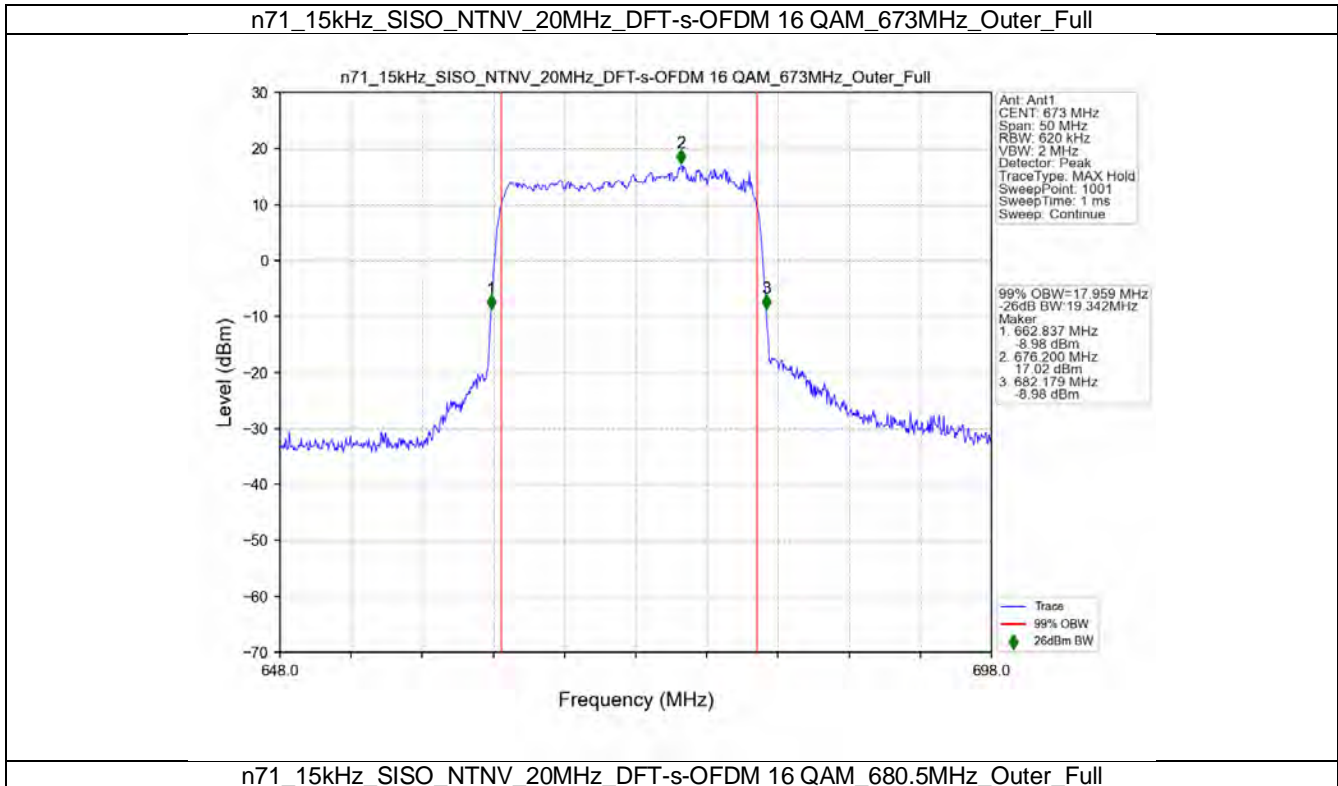


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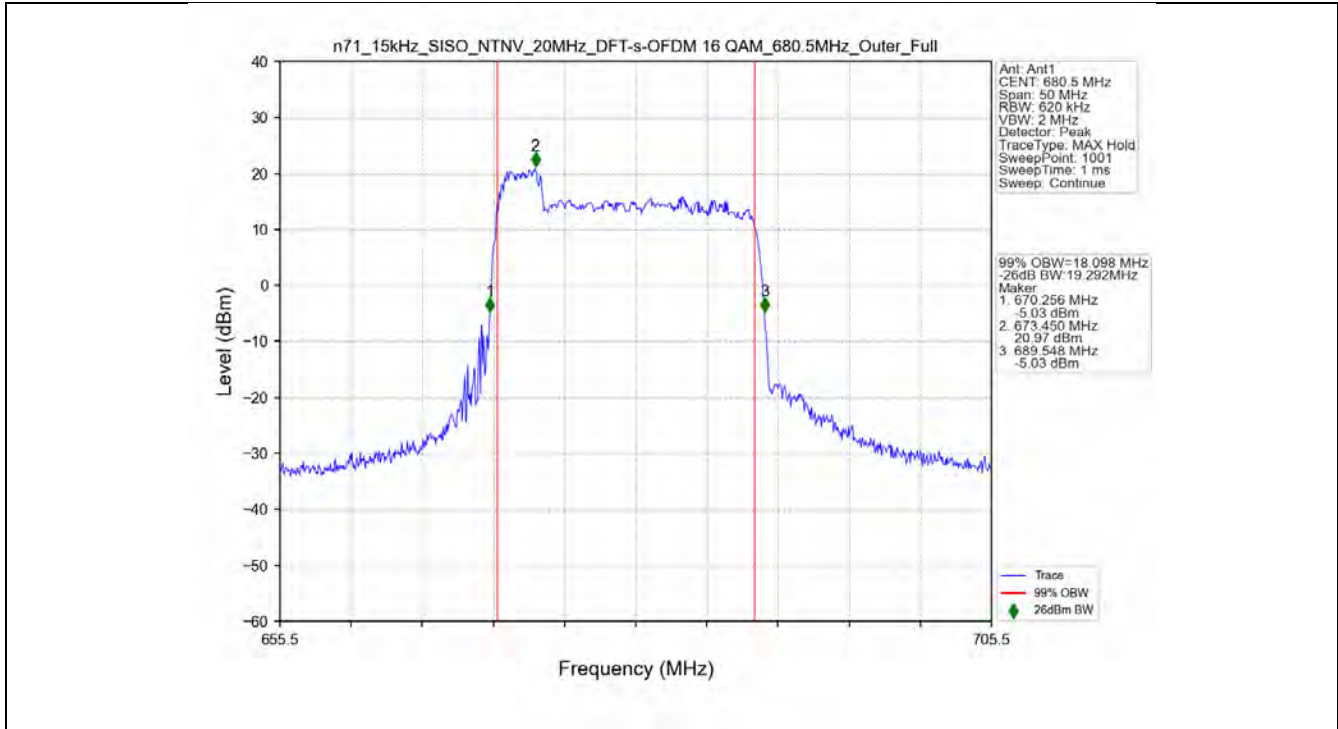


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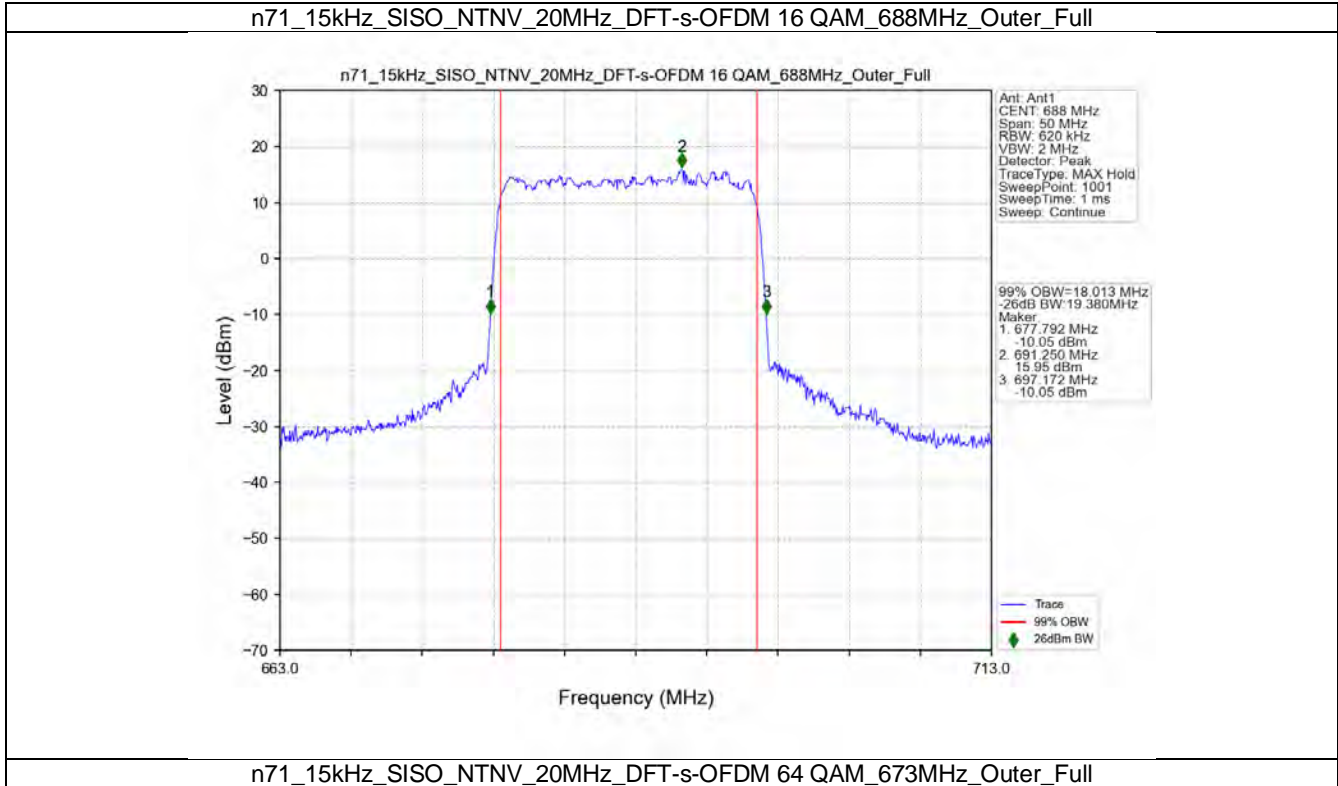


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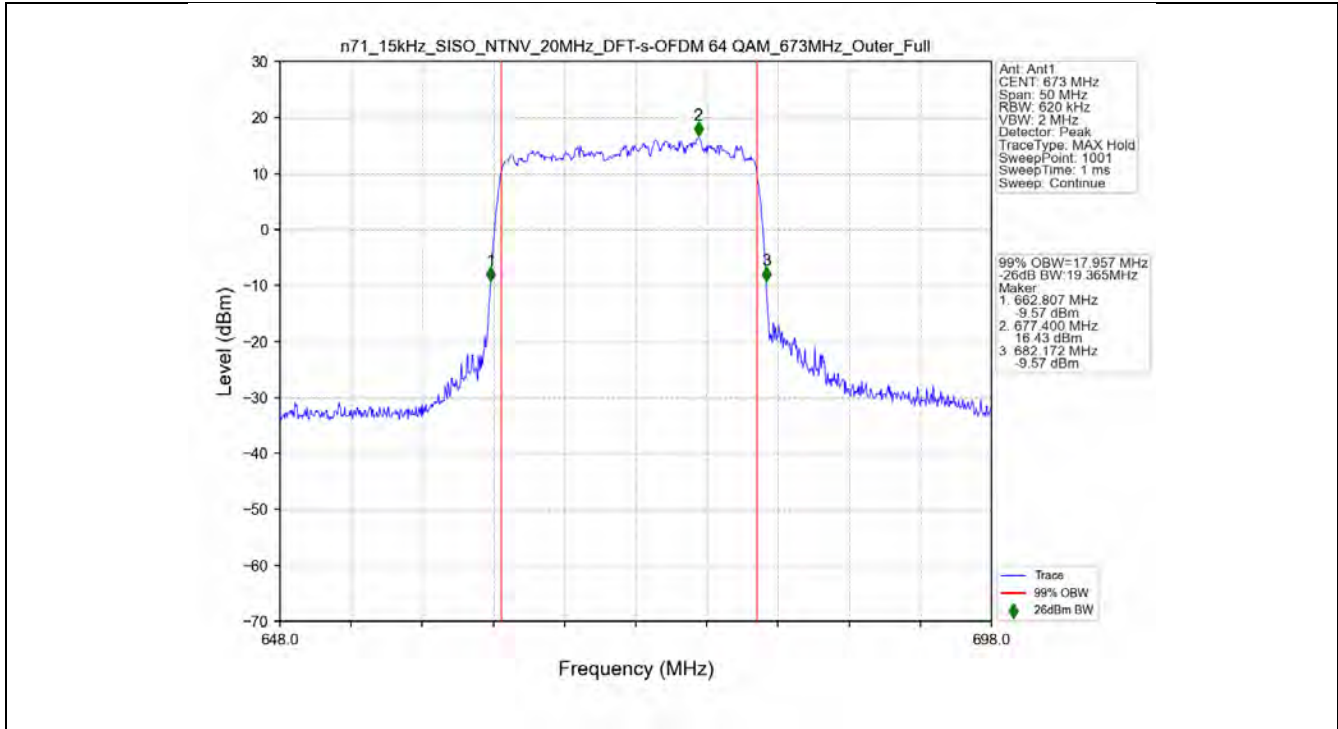


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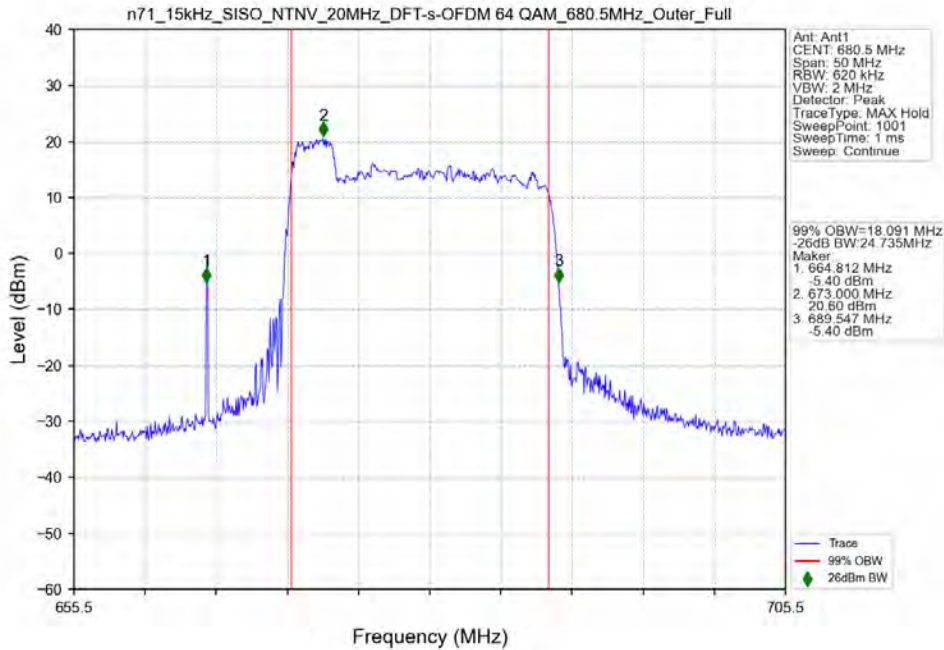
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n71_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_688MHz_Outer_Full



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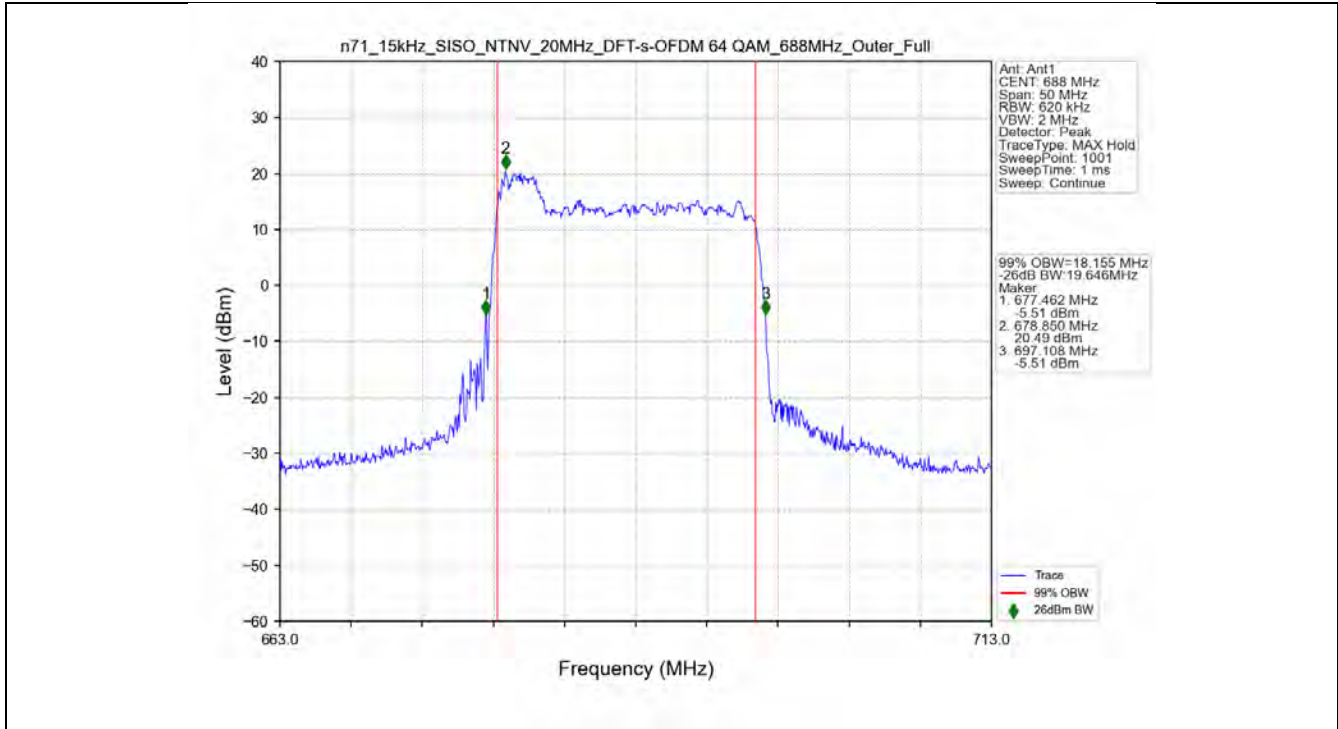


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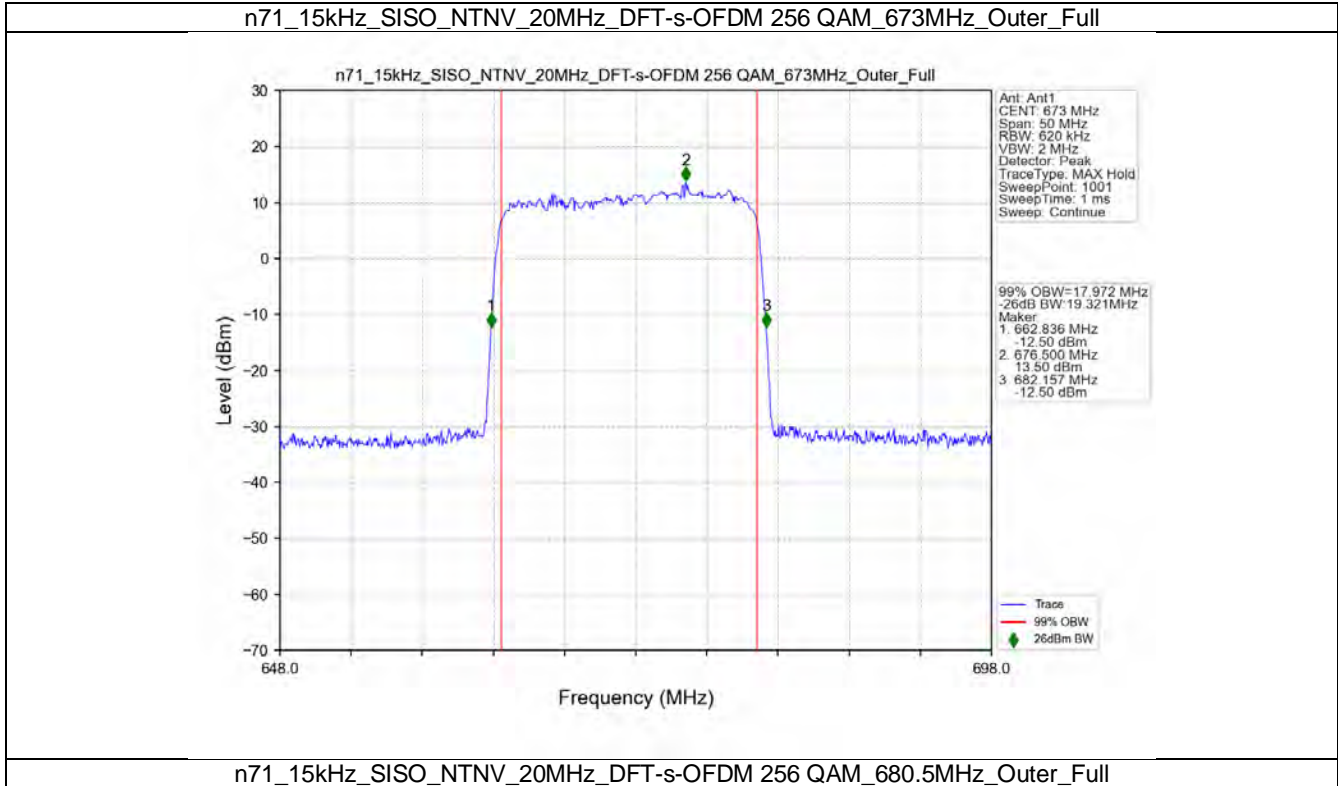


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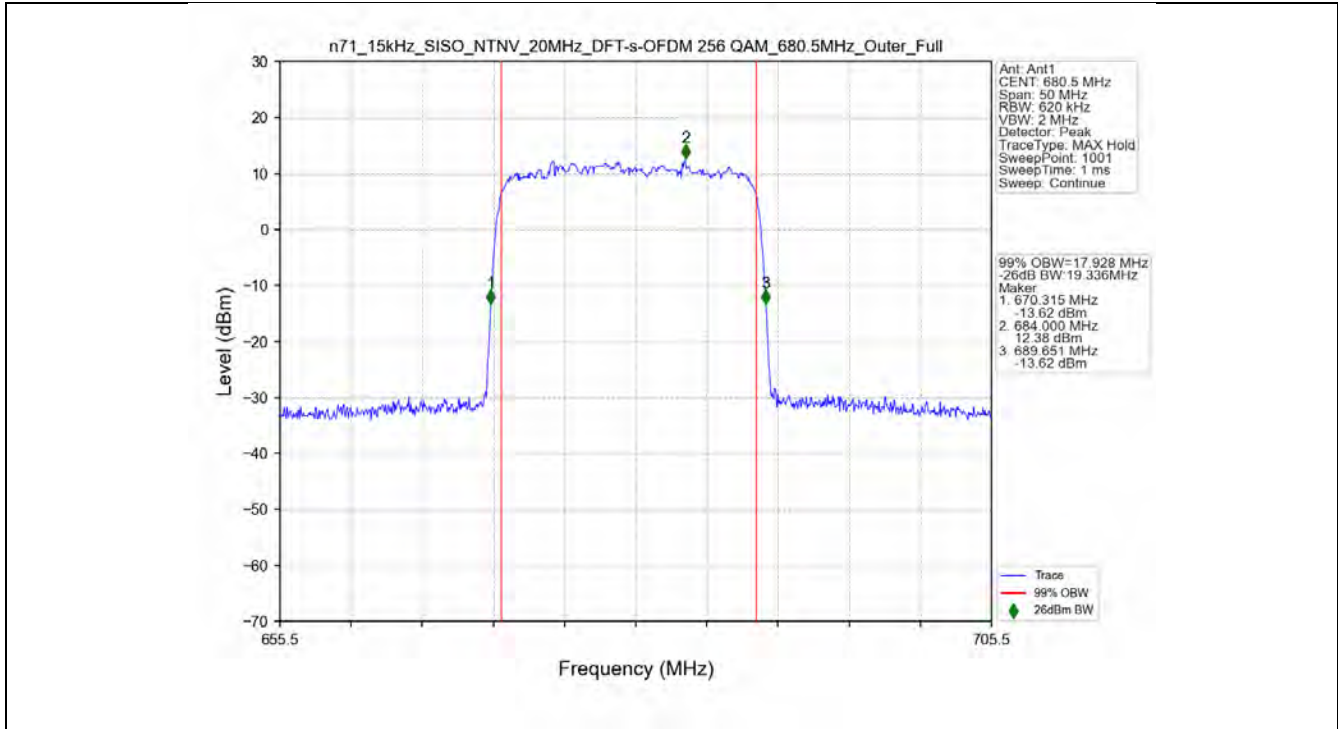


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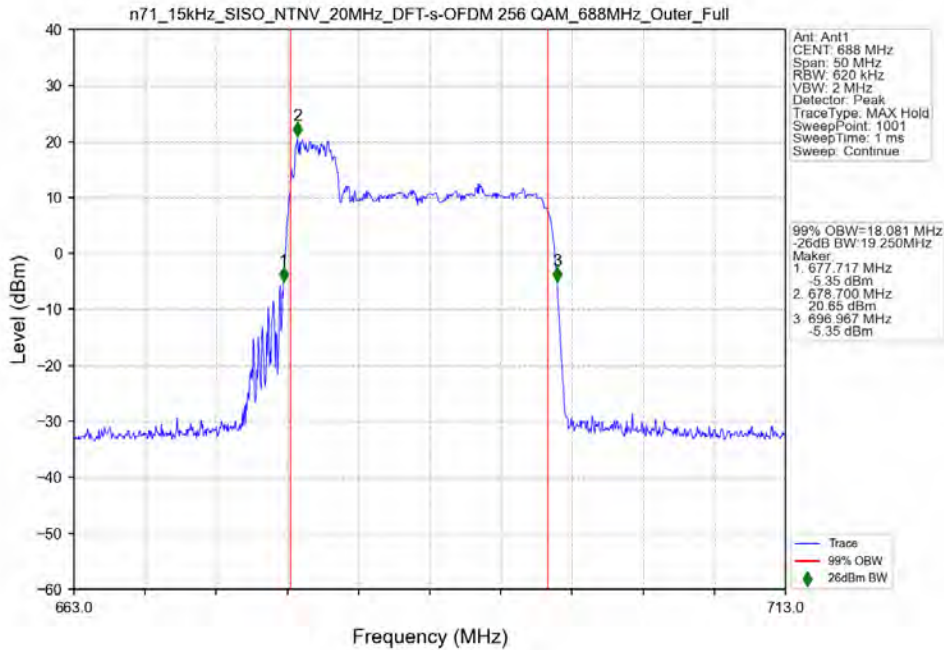
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n71_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_673MHz_Outer_Full



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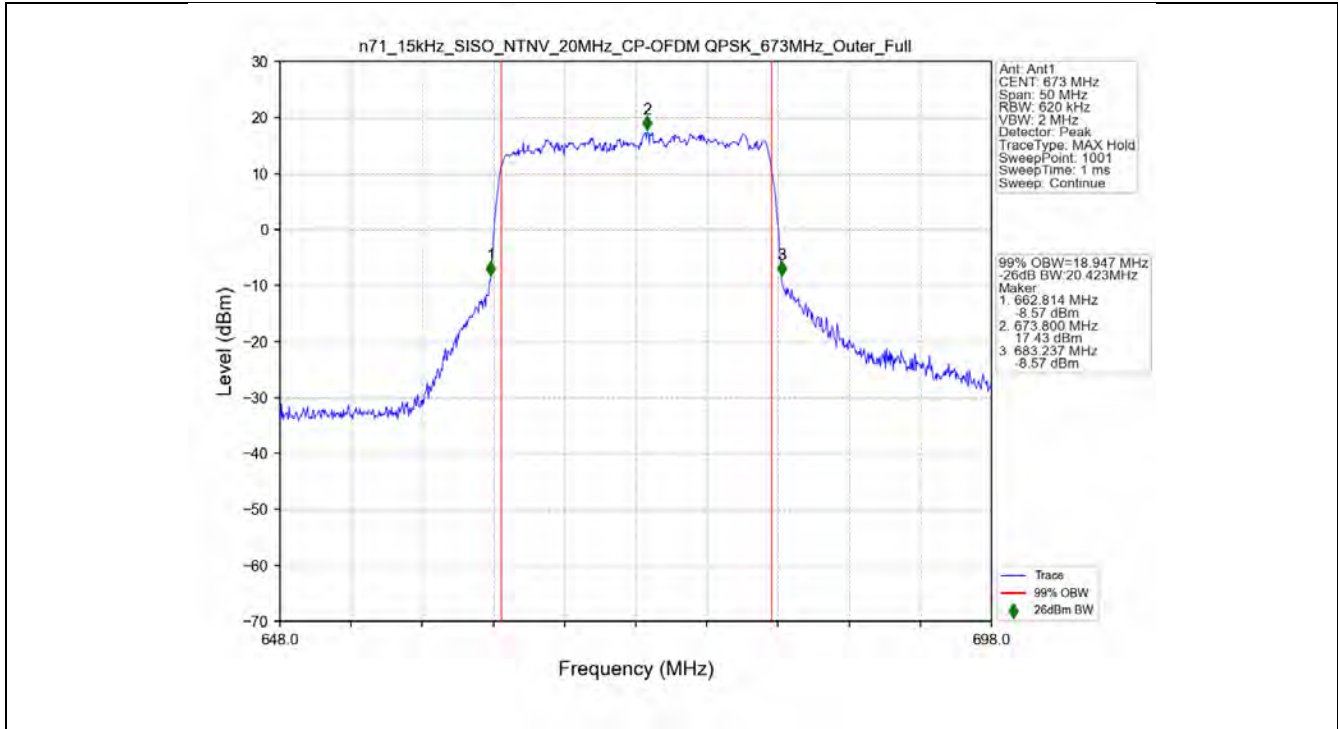


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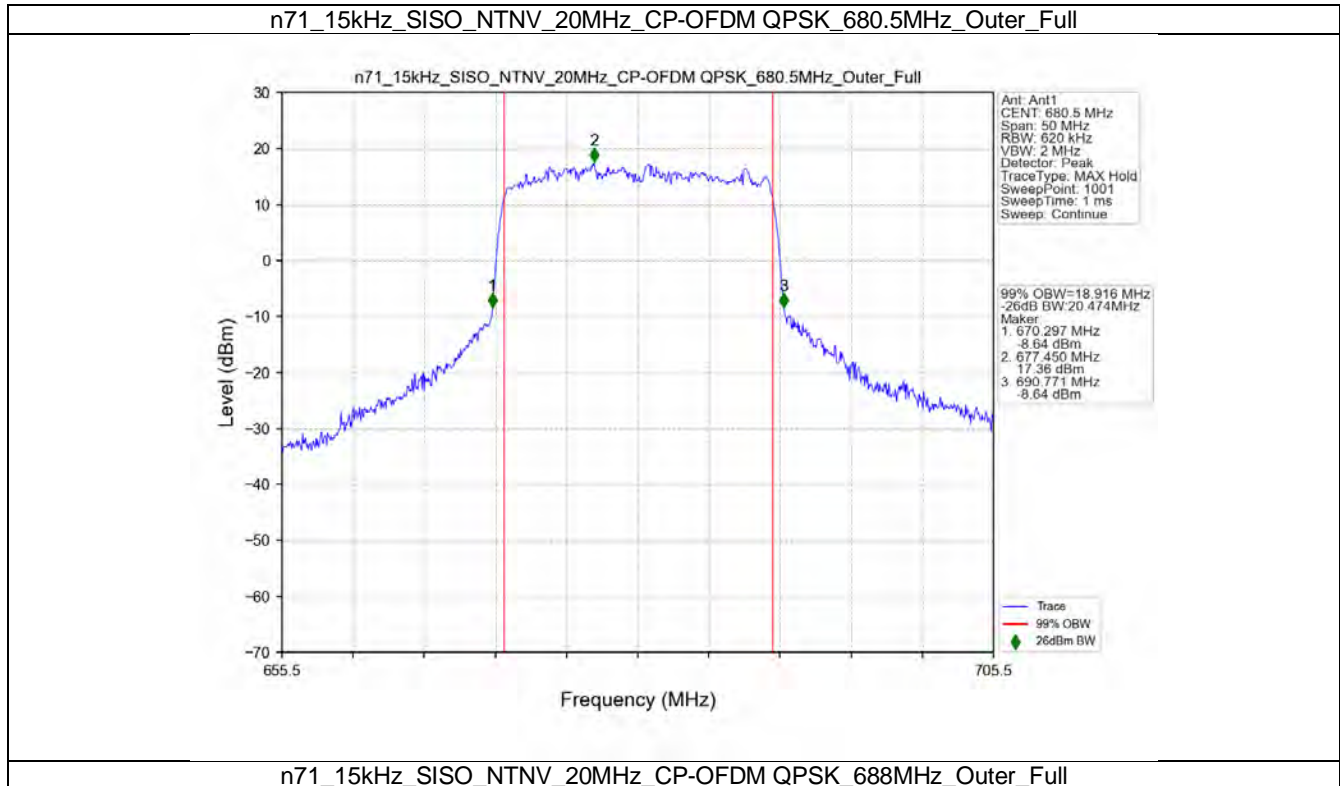


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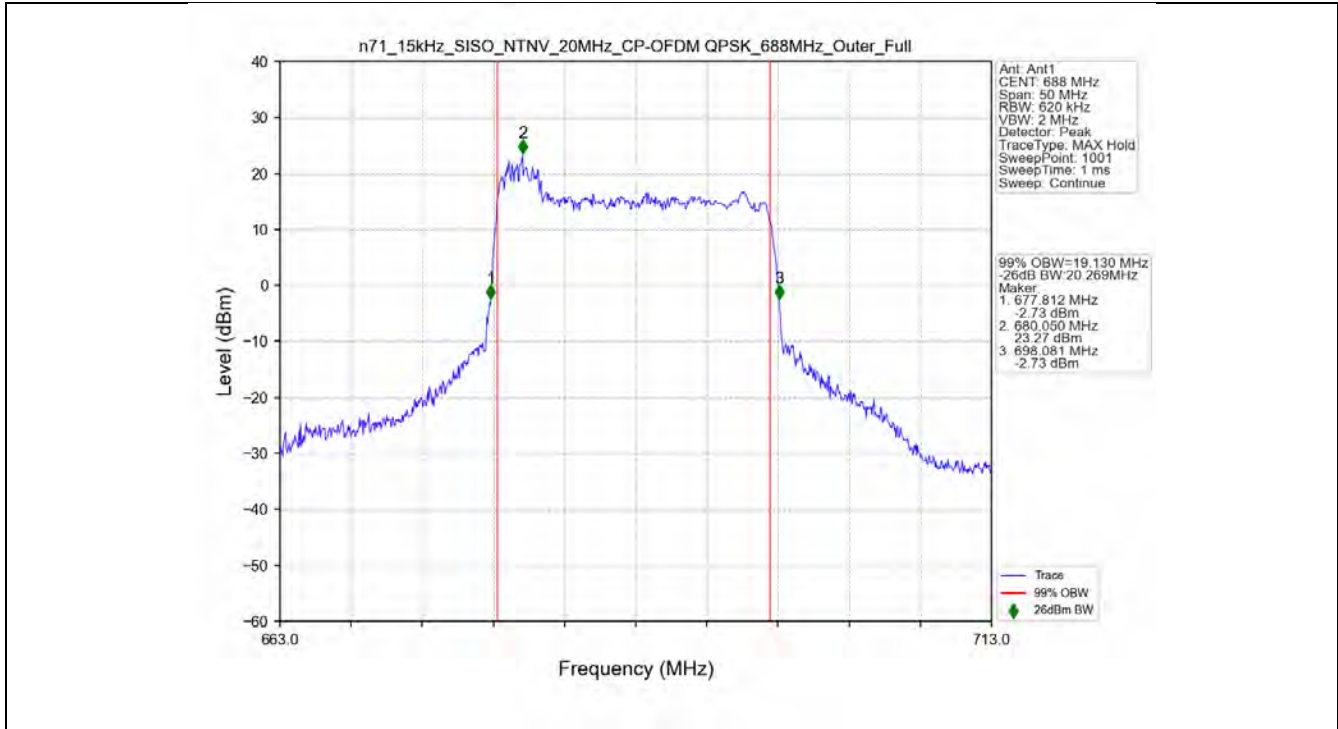


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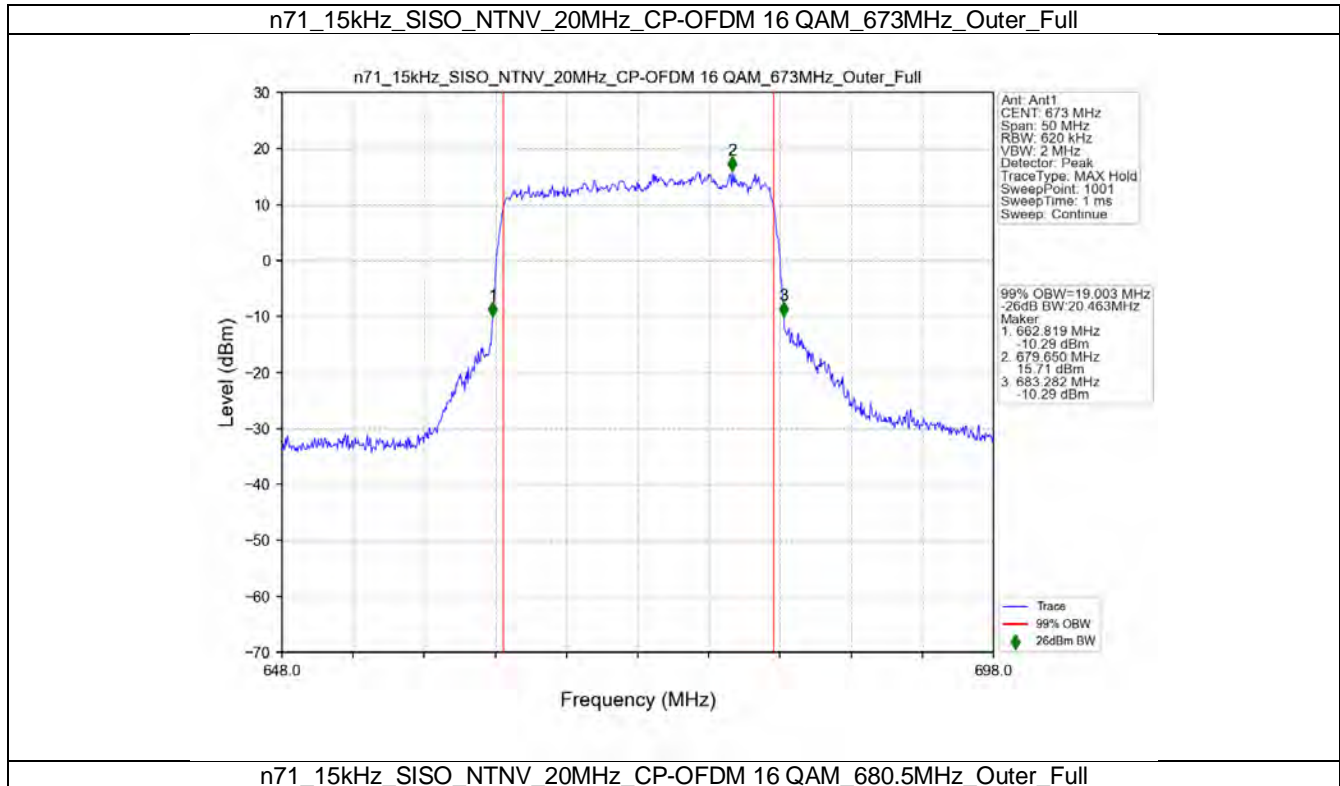


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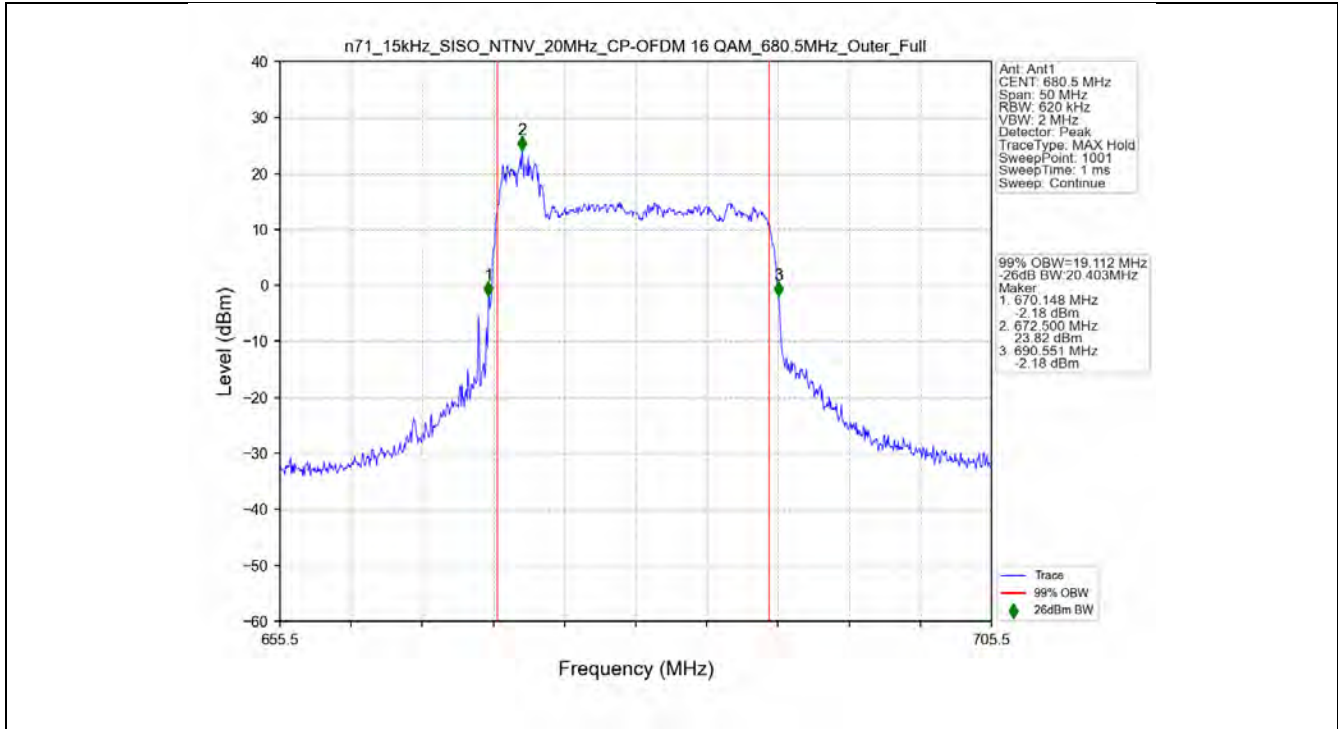


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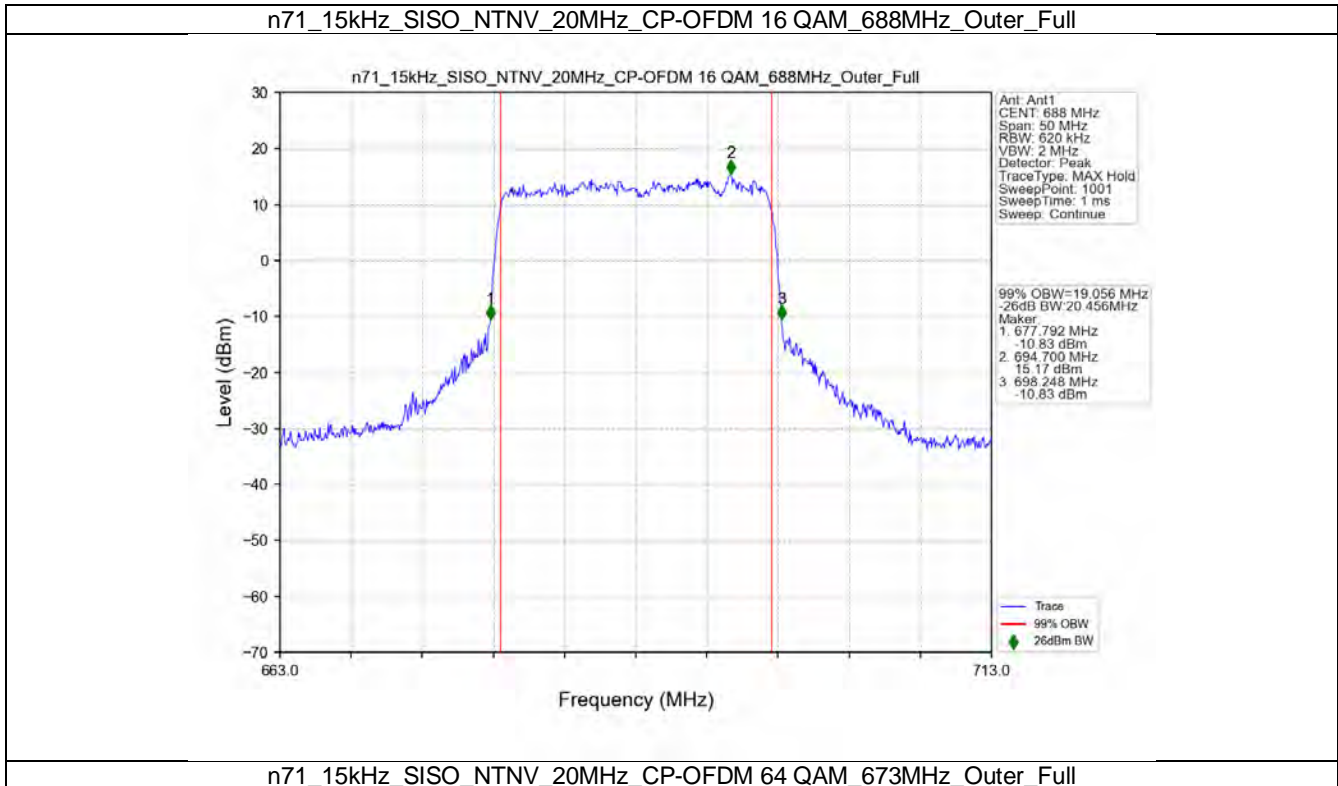


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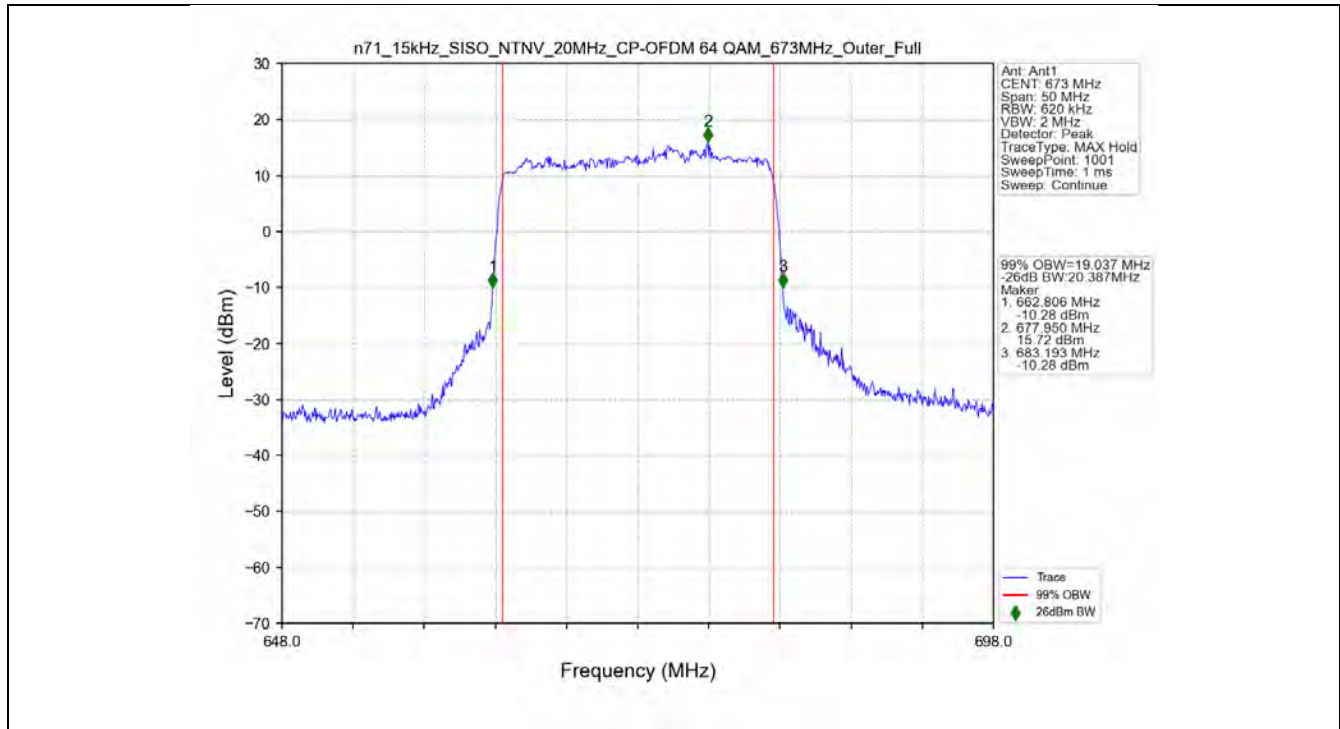


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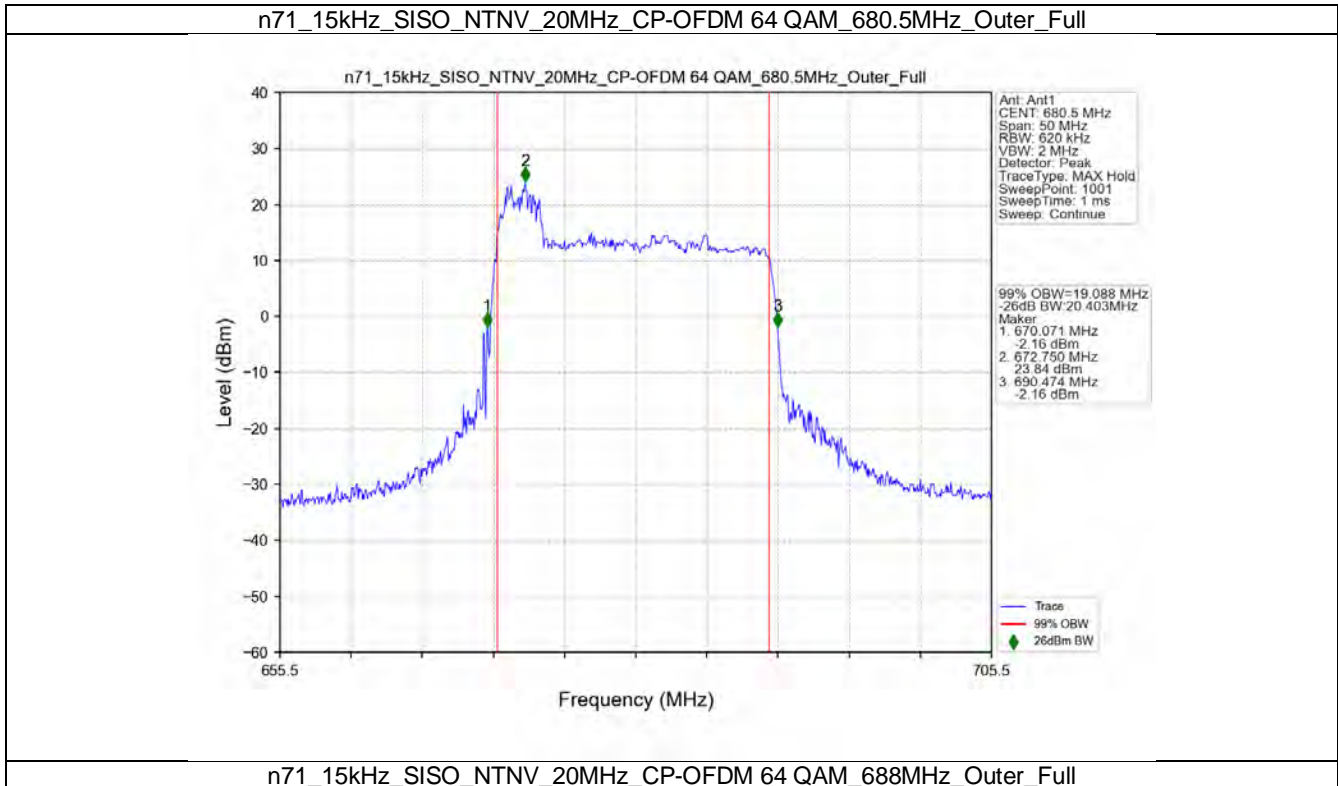


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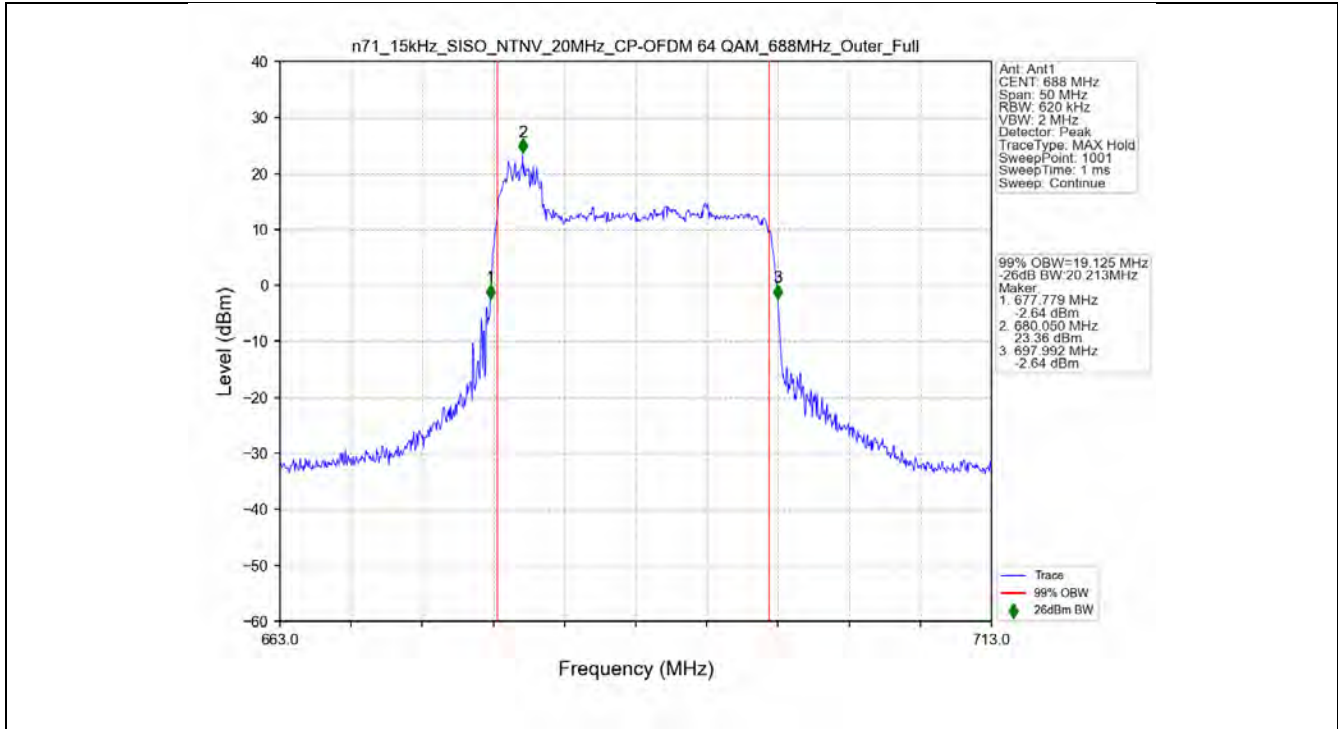


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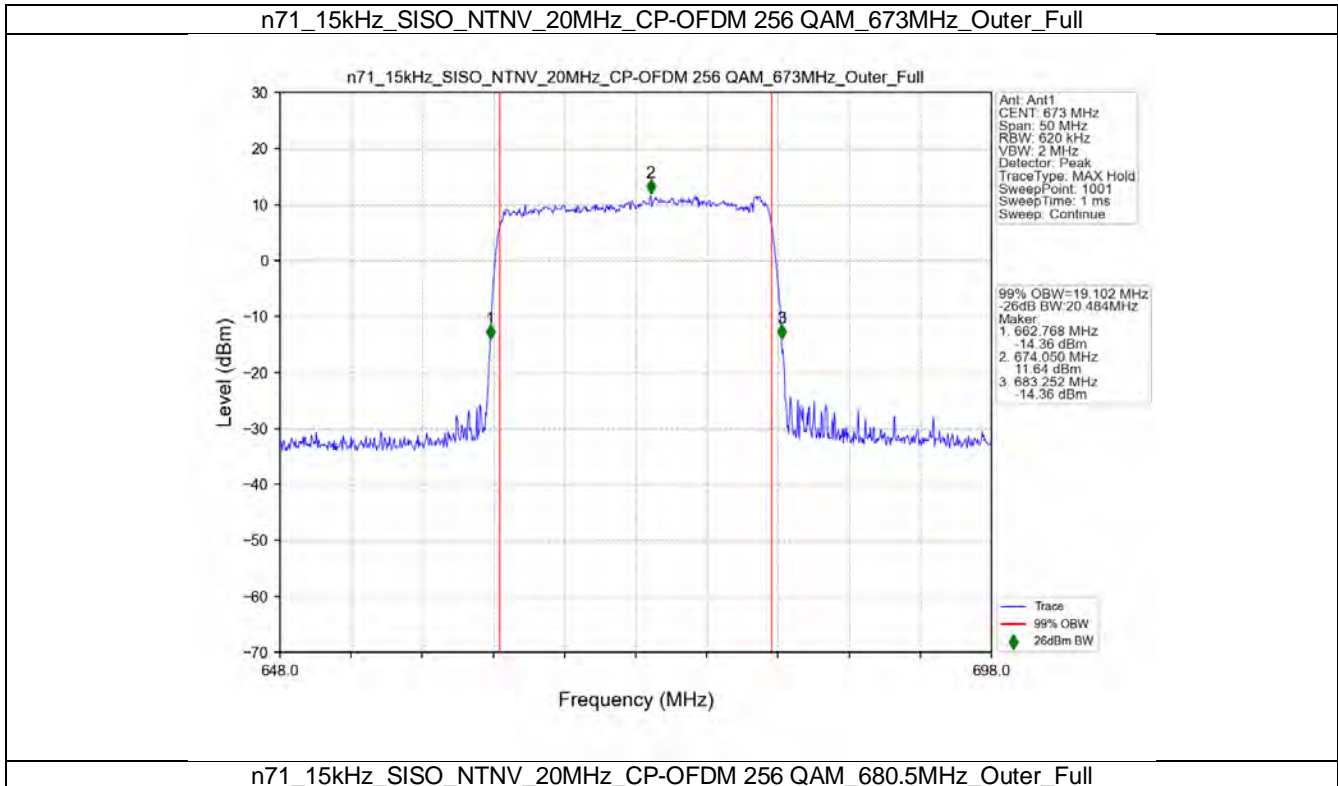


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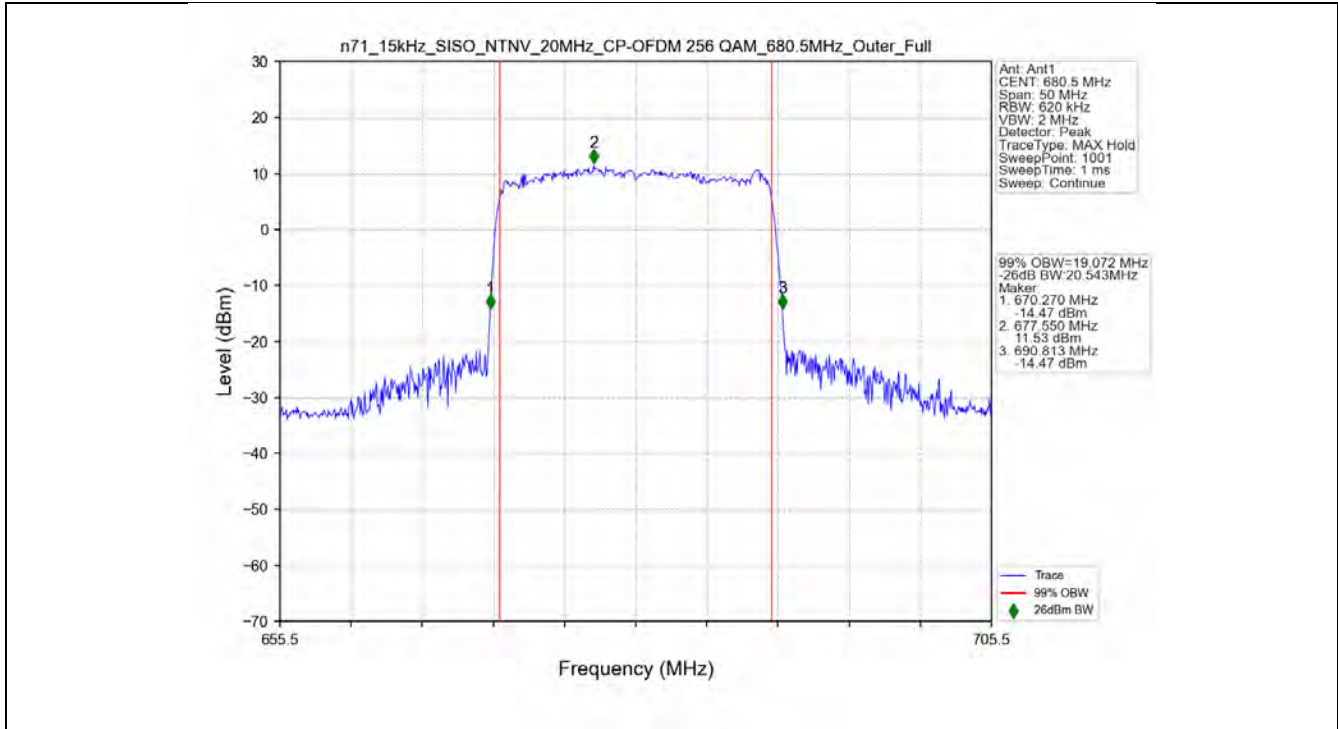


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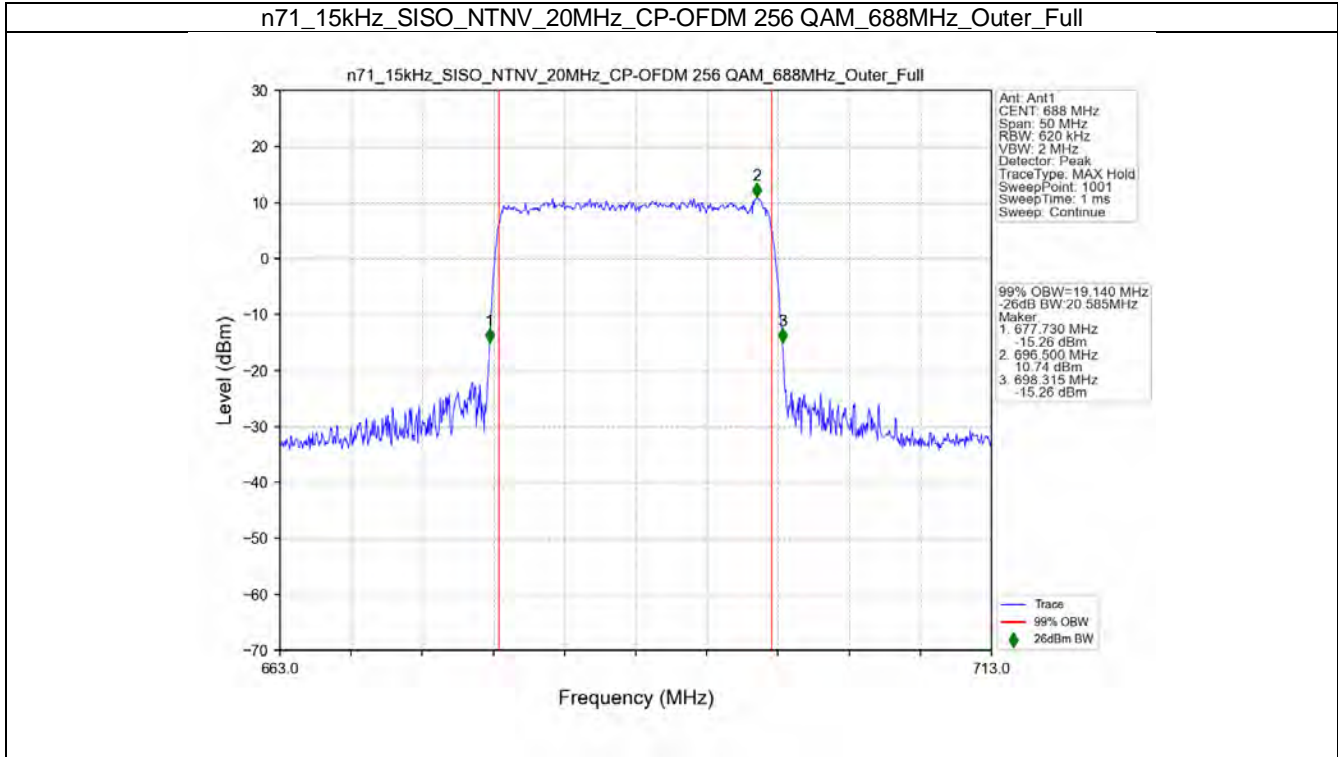


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4. Peak-Average Ratio

4.1 15k_SISO_5MHz_NTNV

4.1.1 Test Result

5G NR n71 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)			Limit	Verdict
			Ant1	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	665.5	Outer_Full	4.23	/	/	<=13	Pass
	680.5	Outer_Full	3.86	/	/	<=13	Pass
	695.5	Outer_Full	9.96	/	/	<=13	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	11.17	/	/	<=13	Pass
	680.5	Outer_Full	5.19	/	/	<=13	Pass
	695.5	Outer_Full	4.81	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	7.08	/	/	<=13	Pass
	680.5	Outer_Full	6.10	/	/	<=13	Pass
	695.5	Outer_Full	5.84	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	6.29	/	/	<=13	Pass
	680.5	Outer_Full	6.35	/	/	<=13	Pass
	695.5	Outer_Full	6.18	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	665.5	Outer_Full	6.32	/	/	<=13	Pass
	680.5	Outer_Full	9.65	/	/	<=13	Pass
	695.5	Outer_Full	6.63	/	/	<=13	Pass
CP-OFDM QPSK	665.5	Outer_Full	7.33	/	/	<=13	Pass
	680.5	Outer_Full	6.88	/	/	<=13	Pass
	695.5	Outer_Full	7.46	/	/	<=13	Pass
CP-OFDM 16 QAM	665.5	Outer_Full	10.61	/	/	<=13	Pass
	680.5	Outer_Full	7.33	/	/	<=13	Pass
	695.5	Outer_Full	6.87	/	/	<=13	Pass
CP-OFDM 64 QAM	665.5	Outer_Full	7.58	/	/	<=13	Pass
	680.5	Outer_Full	10.96	/	/	<=13	Pass
	695.5	Outer_Full	7.43	/	/	<=13	Pass
CP-OFDM 256 QAM	665.5	Outer_Full	8.35	/	/	<=13	Pass
	680.5	Outer_Full	8.34	/	/	<=13	Pass
	695.5	Outer_Full	9.18	/	/	<=13	Pass



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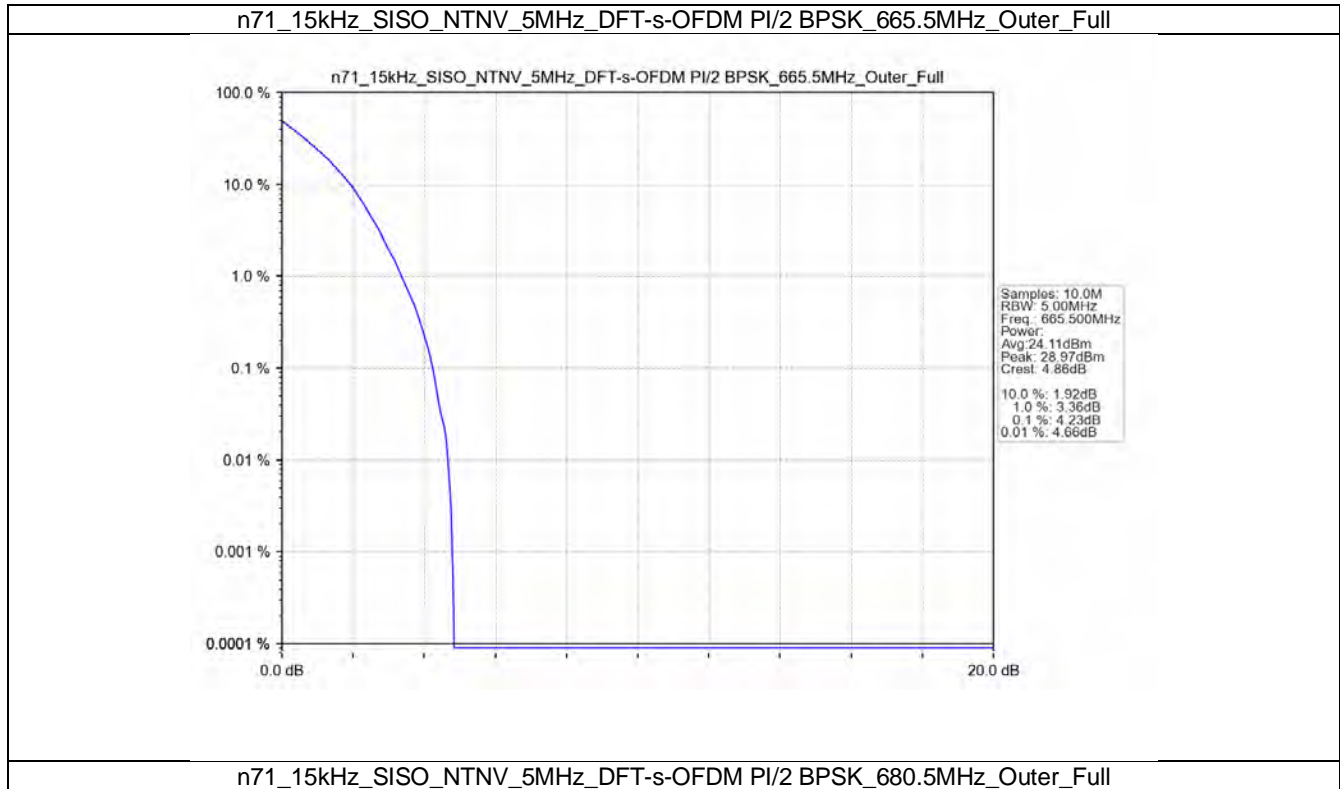
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4.1.2 Test Graph



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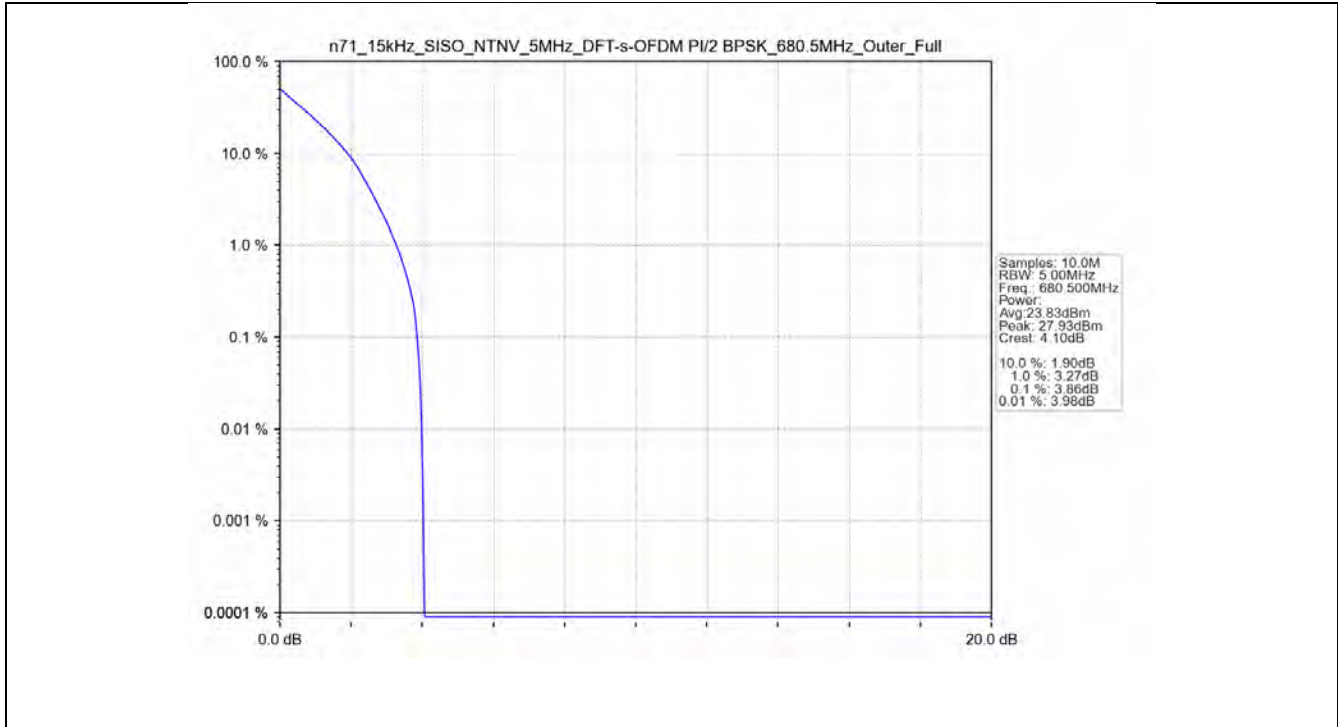


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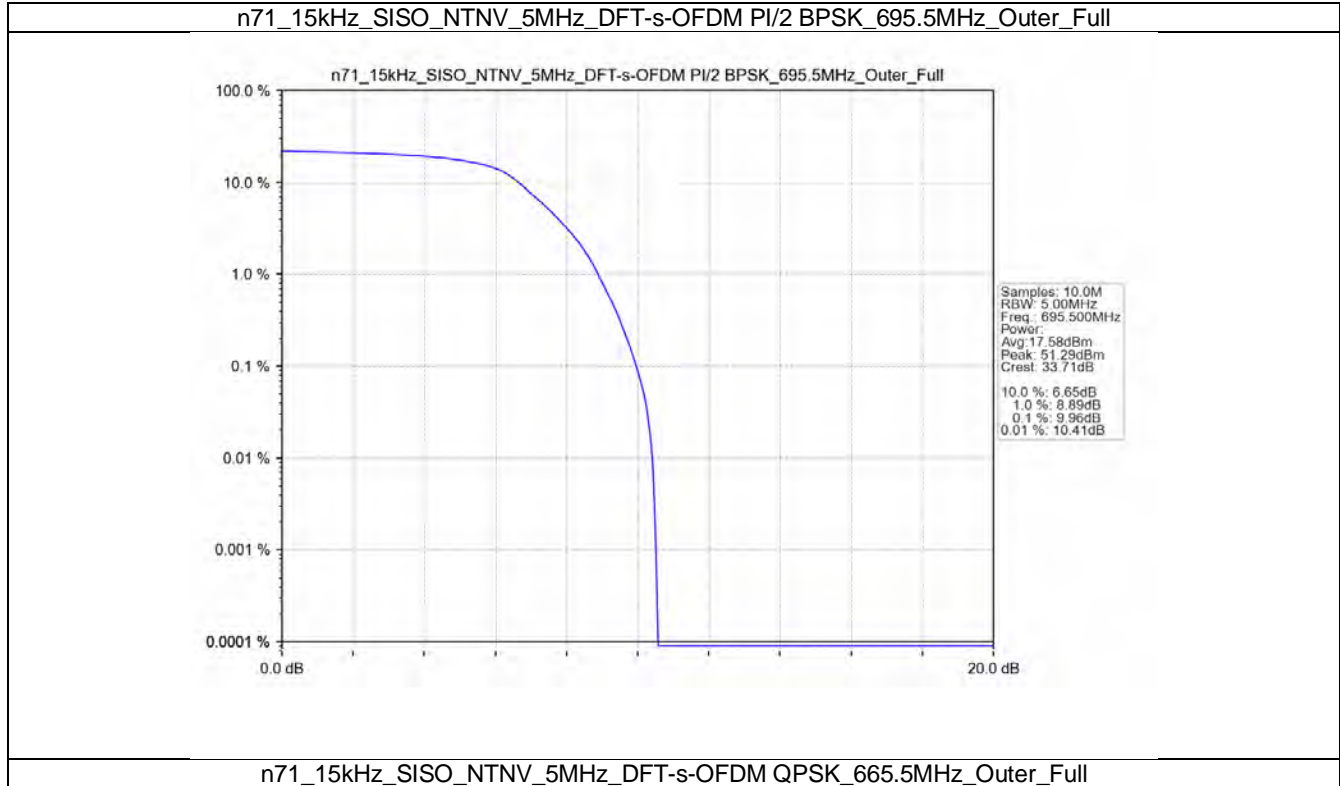


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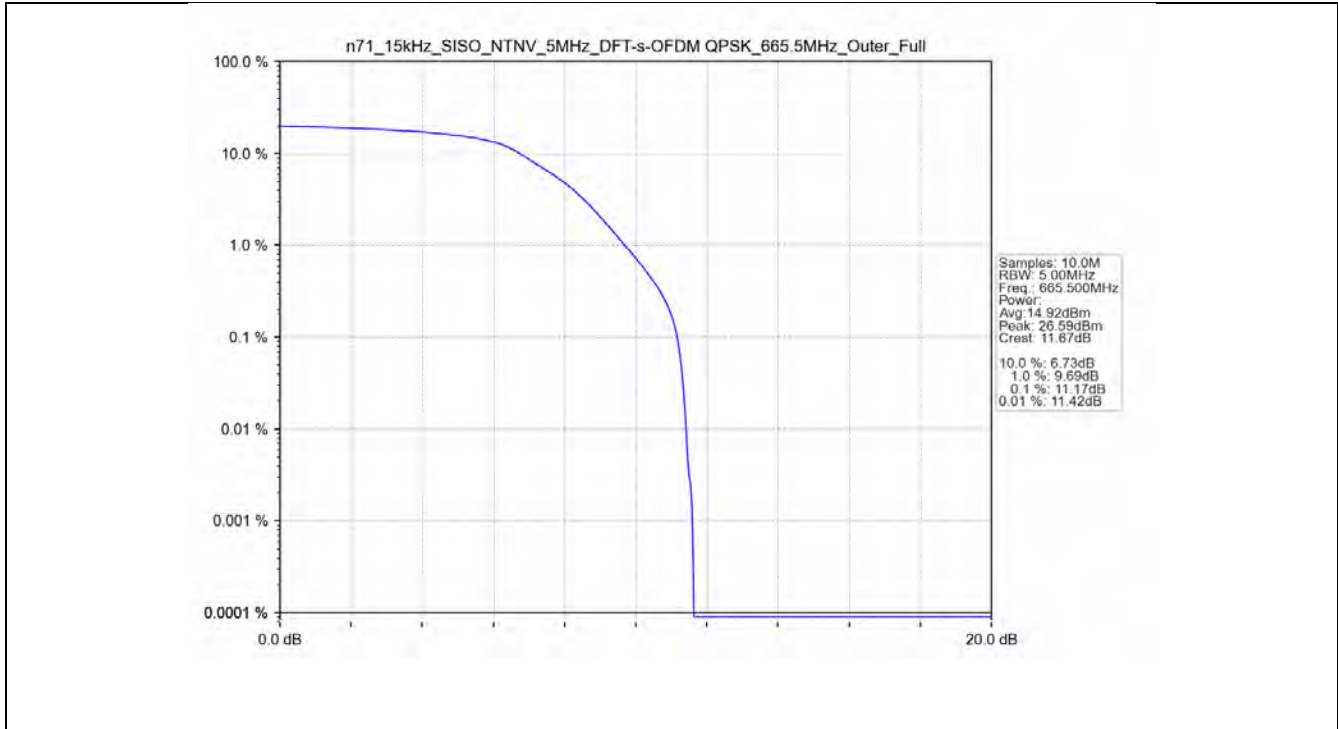


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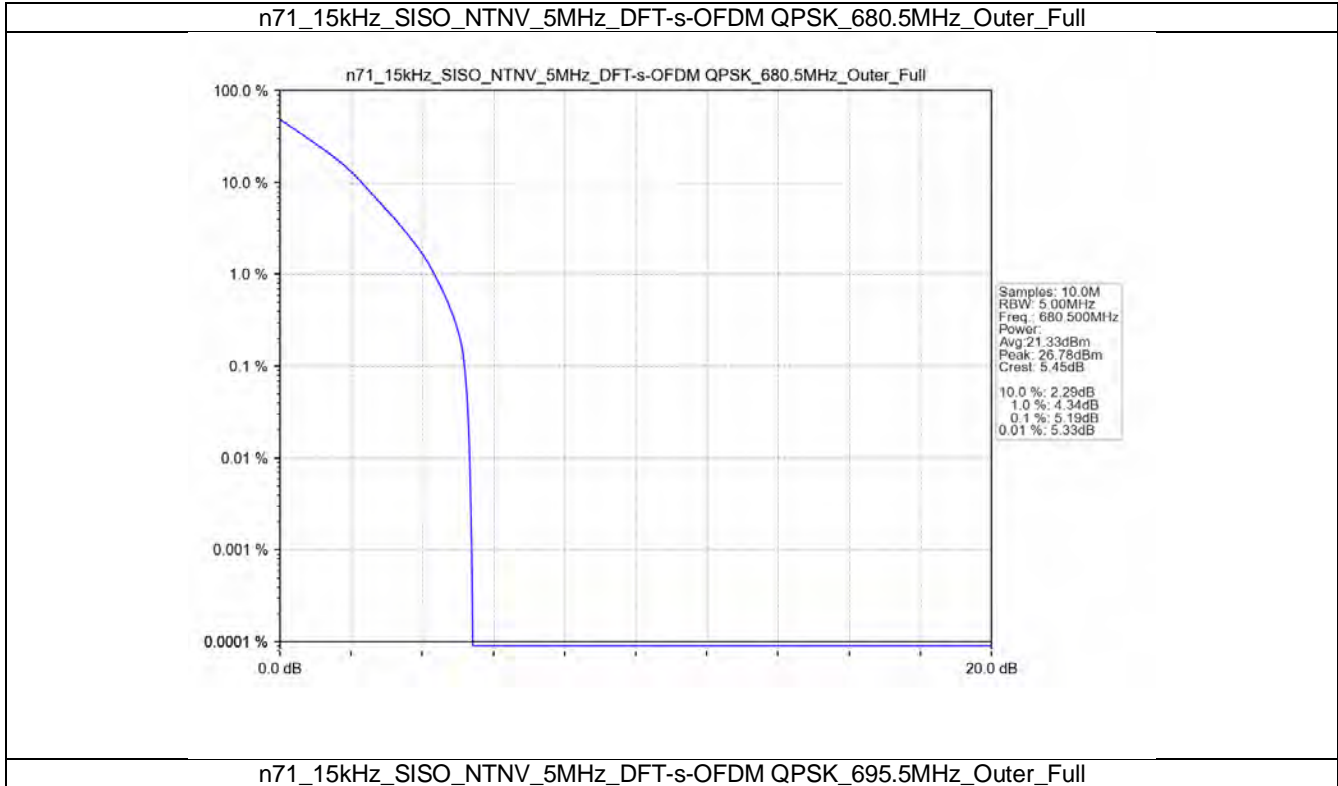


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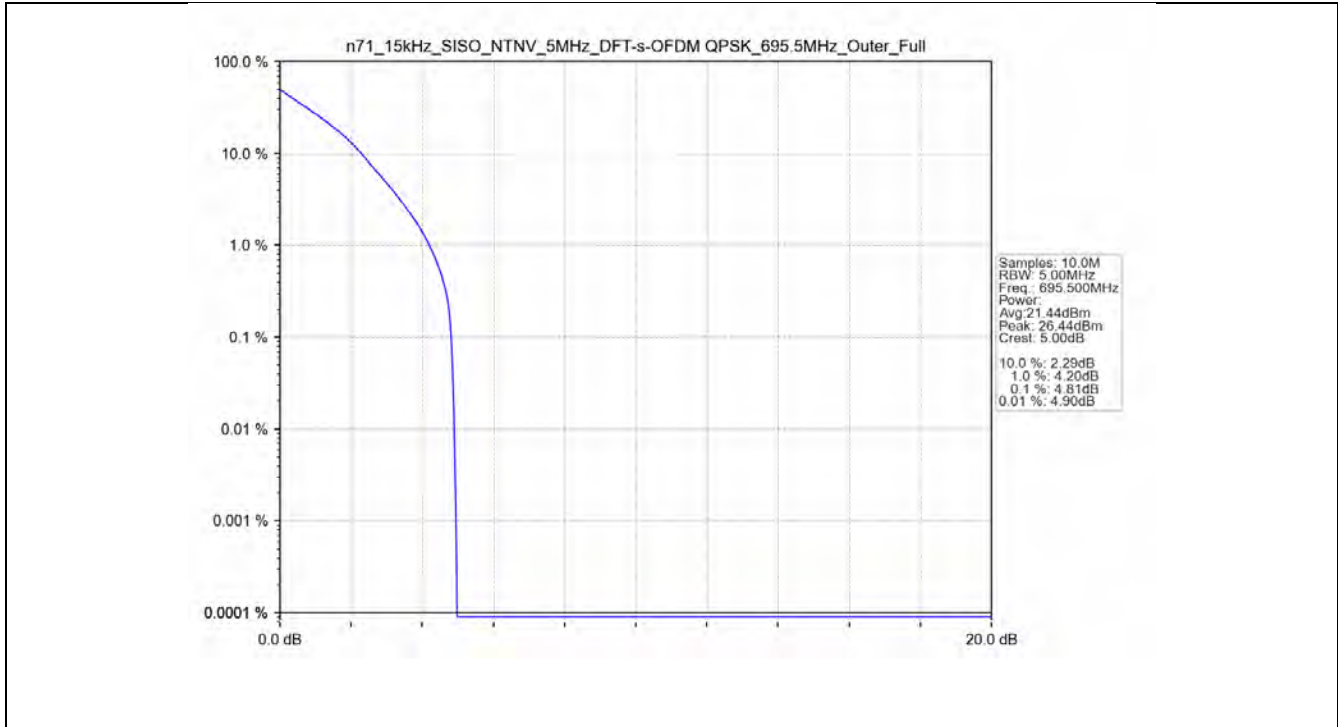


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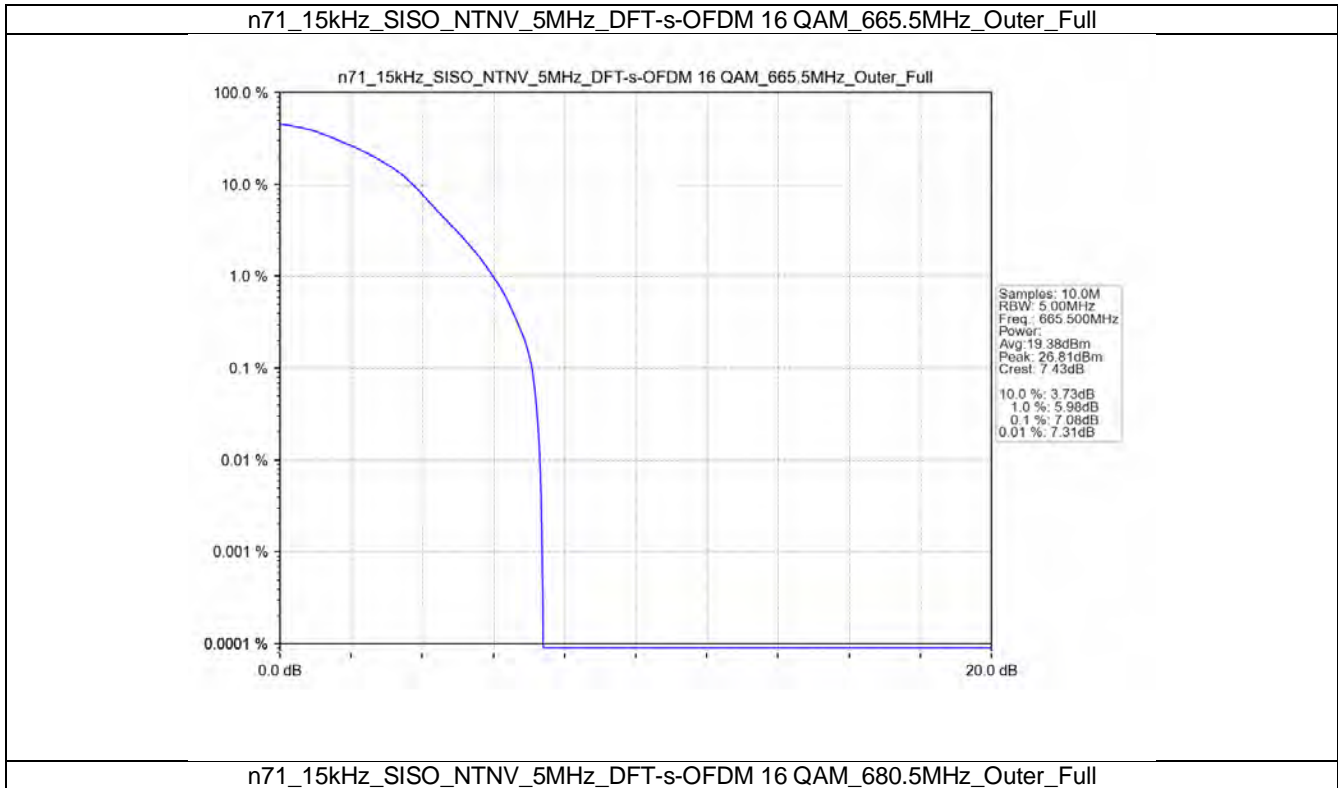


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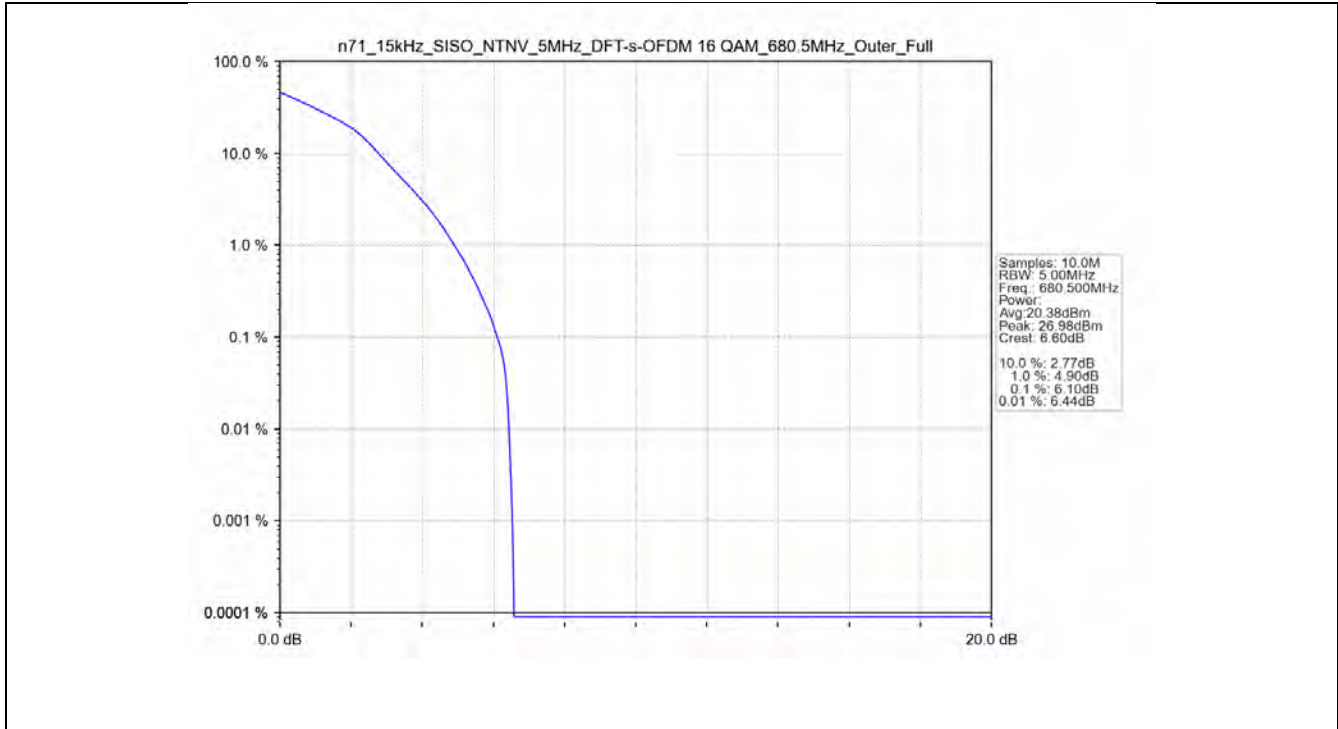


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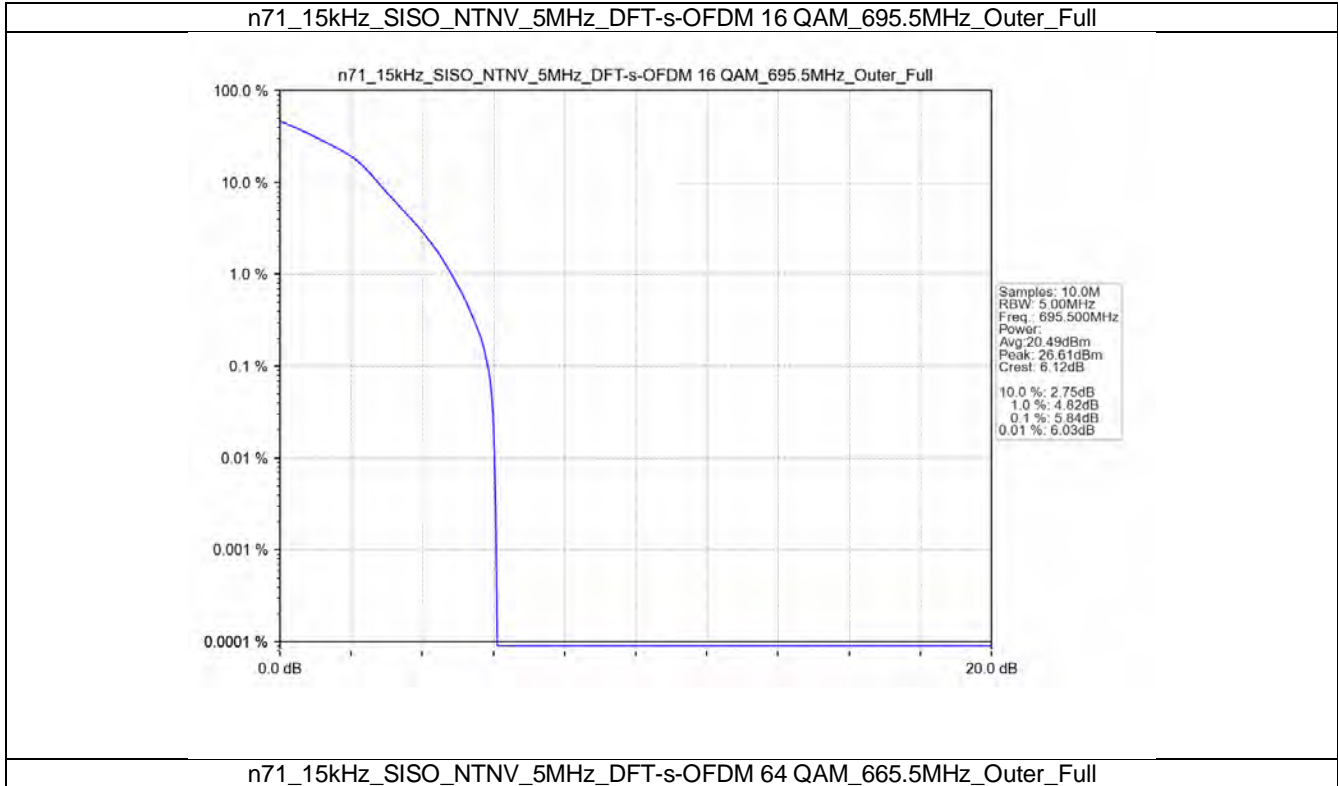


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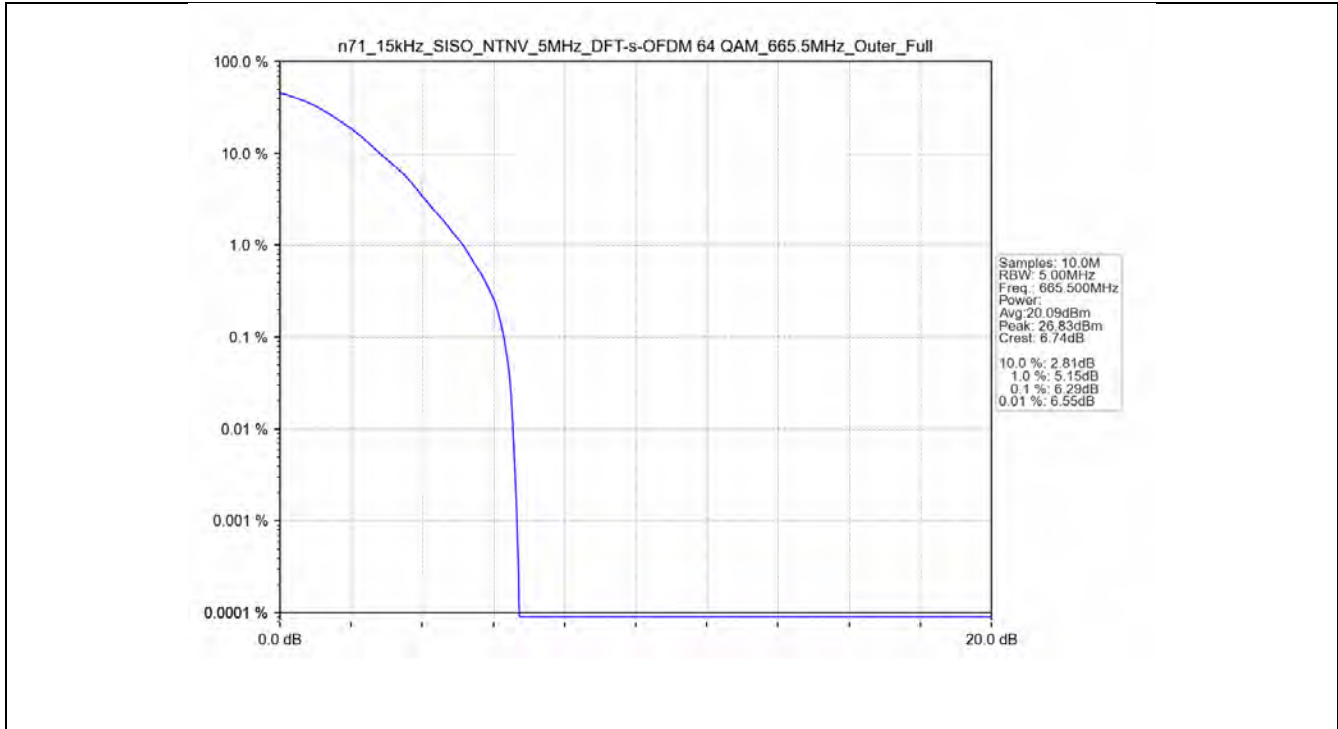


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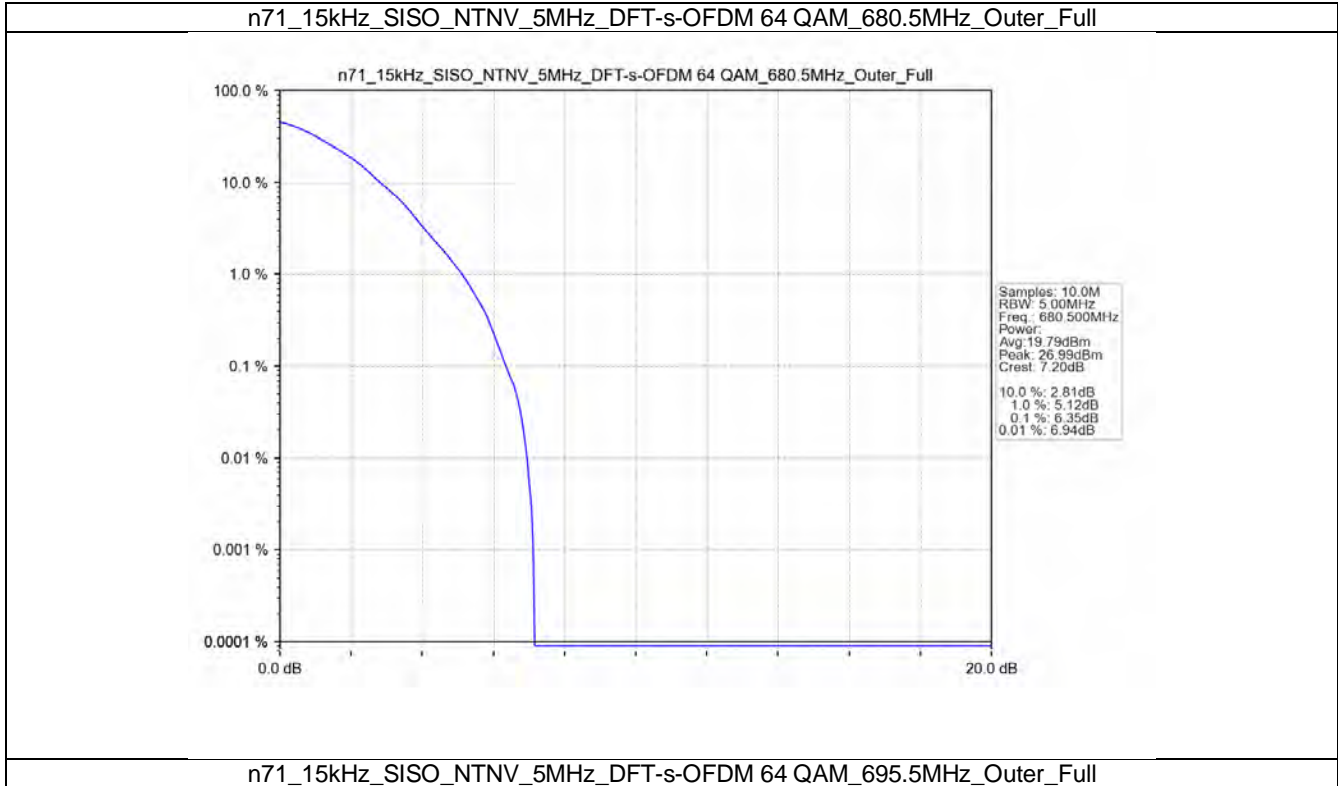


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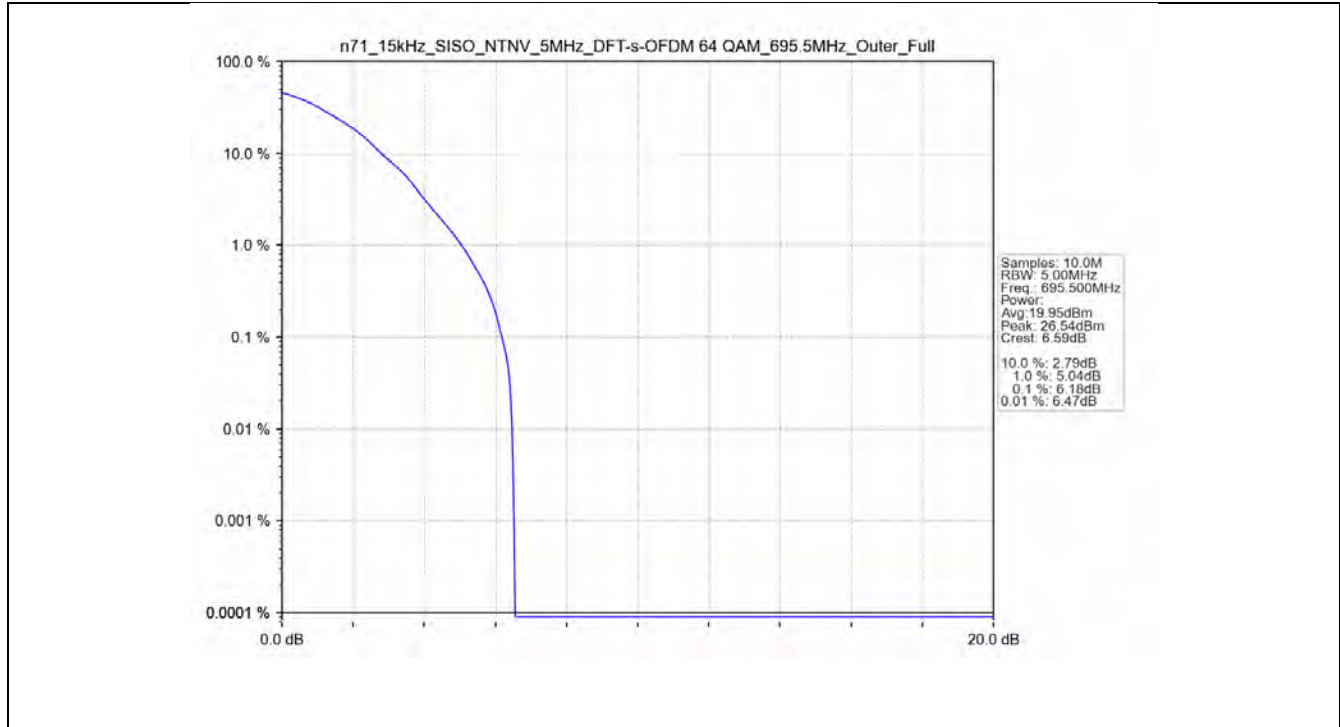


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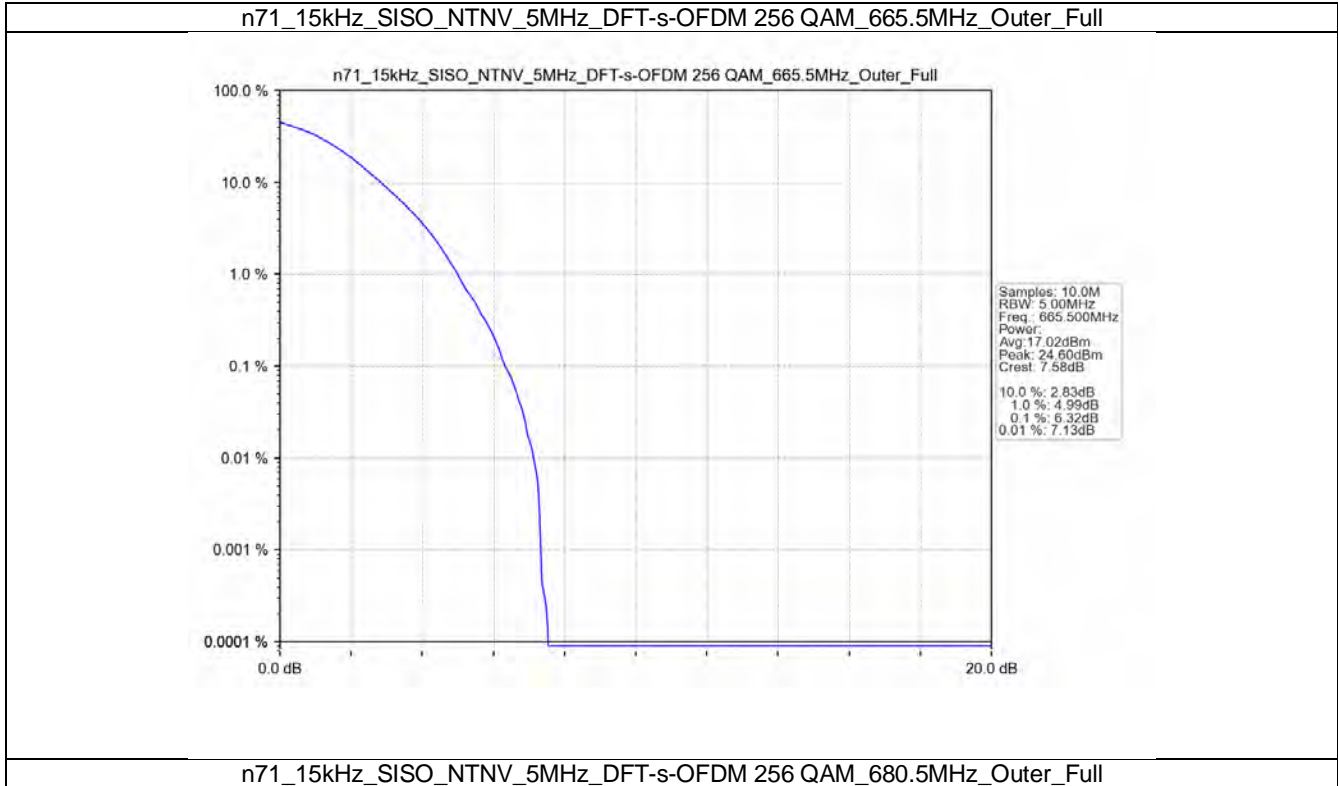


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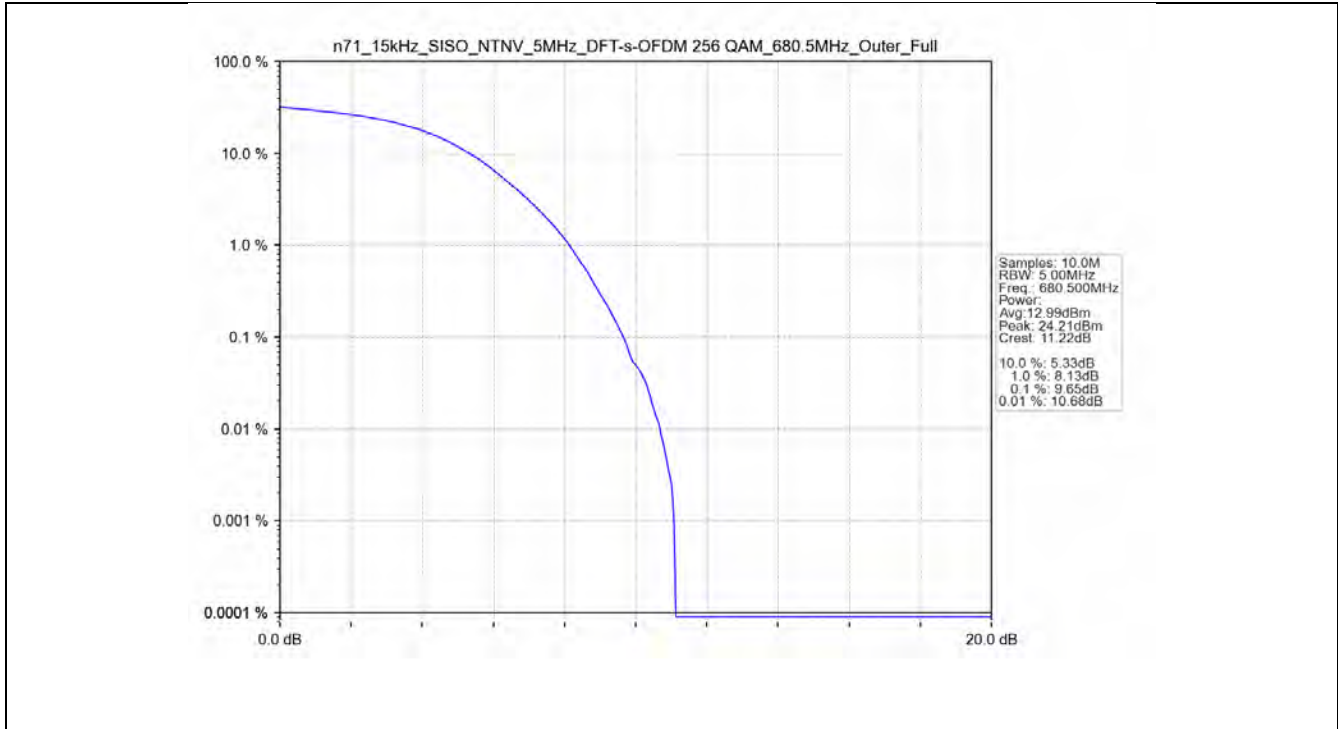


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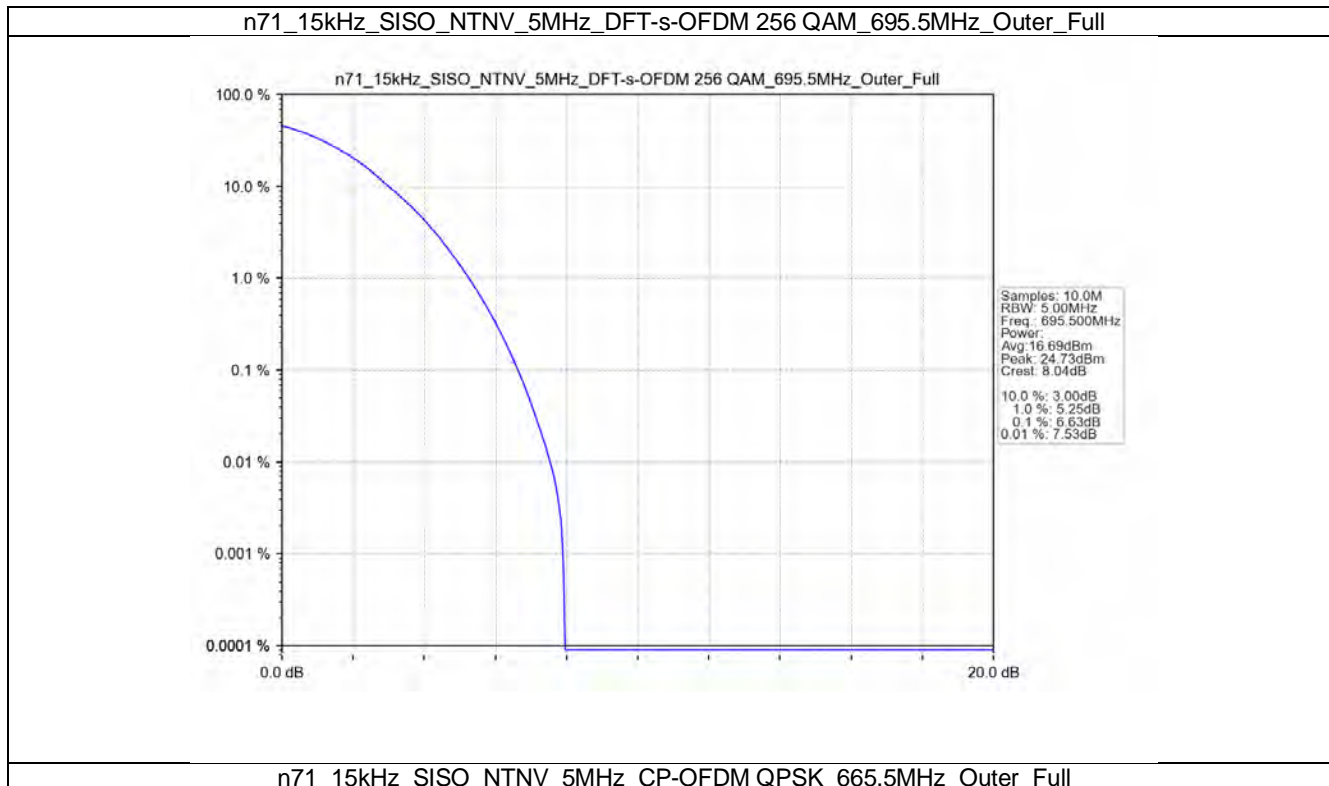
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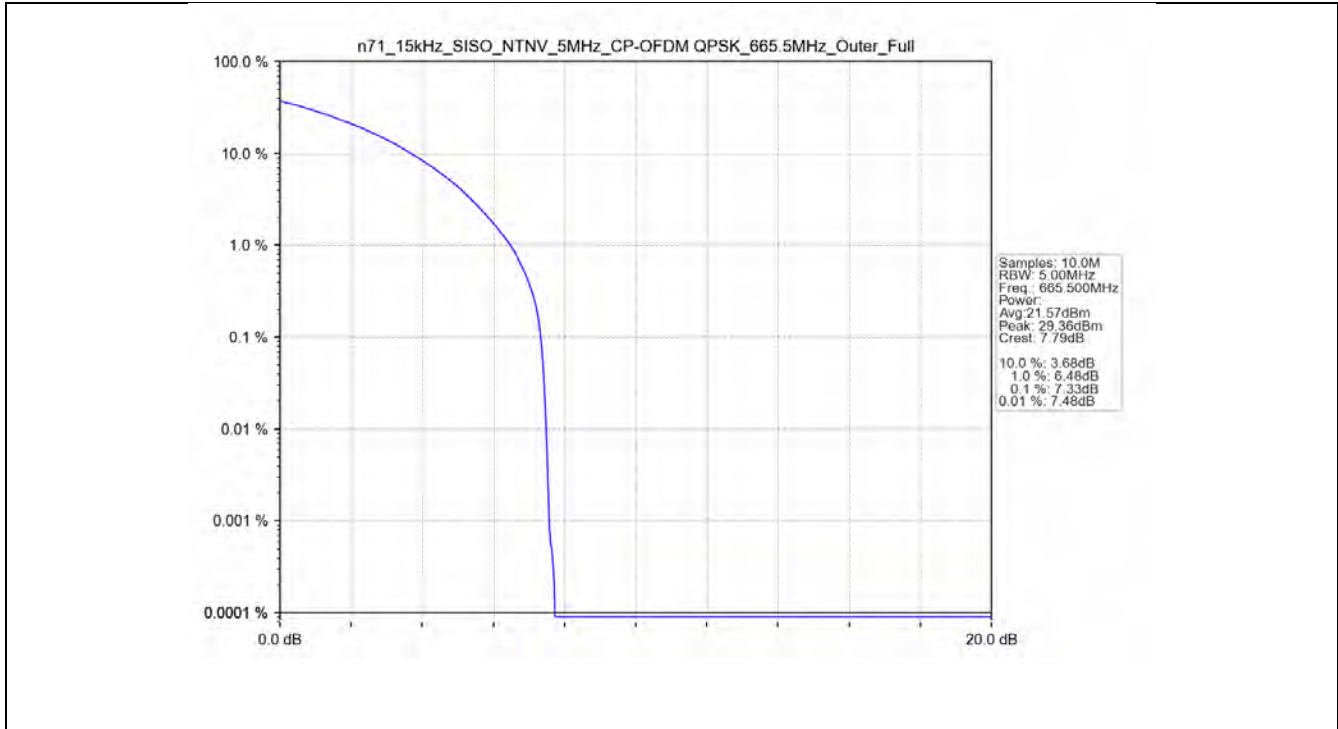


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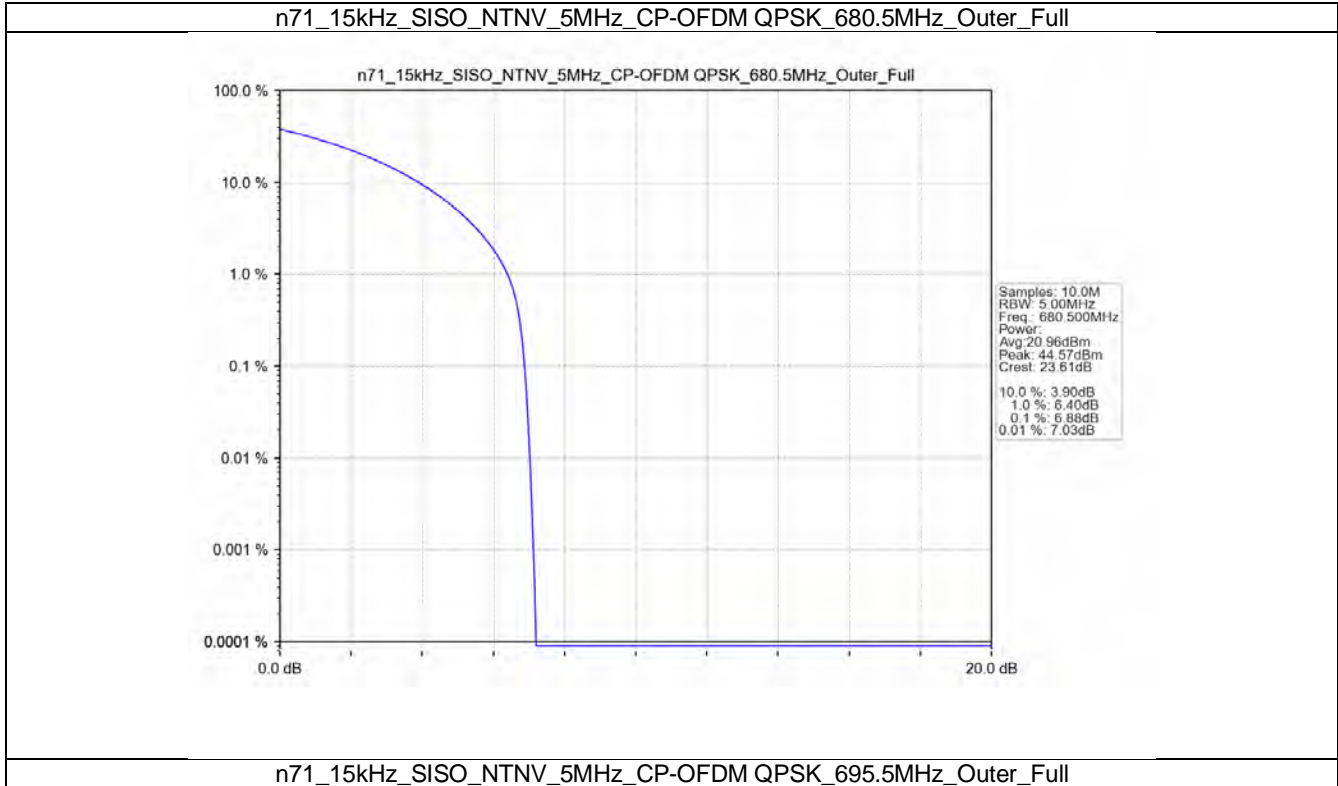


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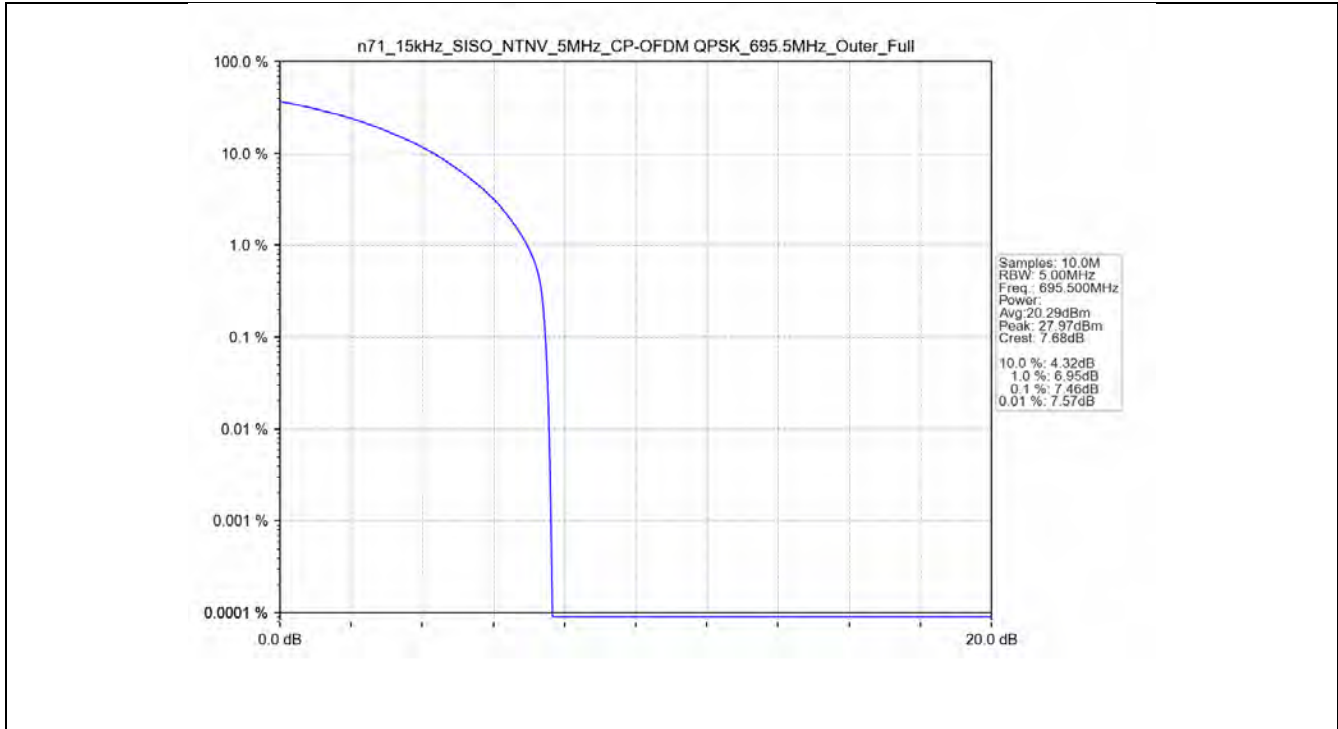


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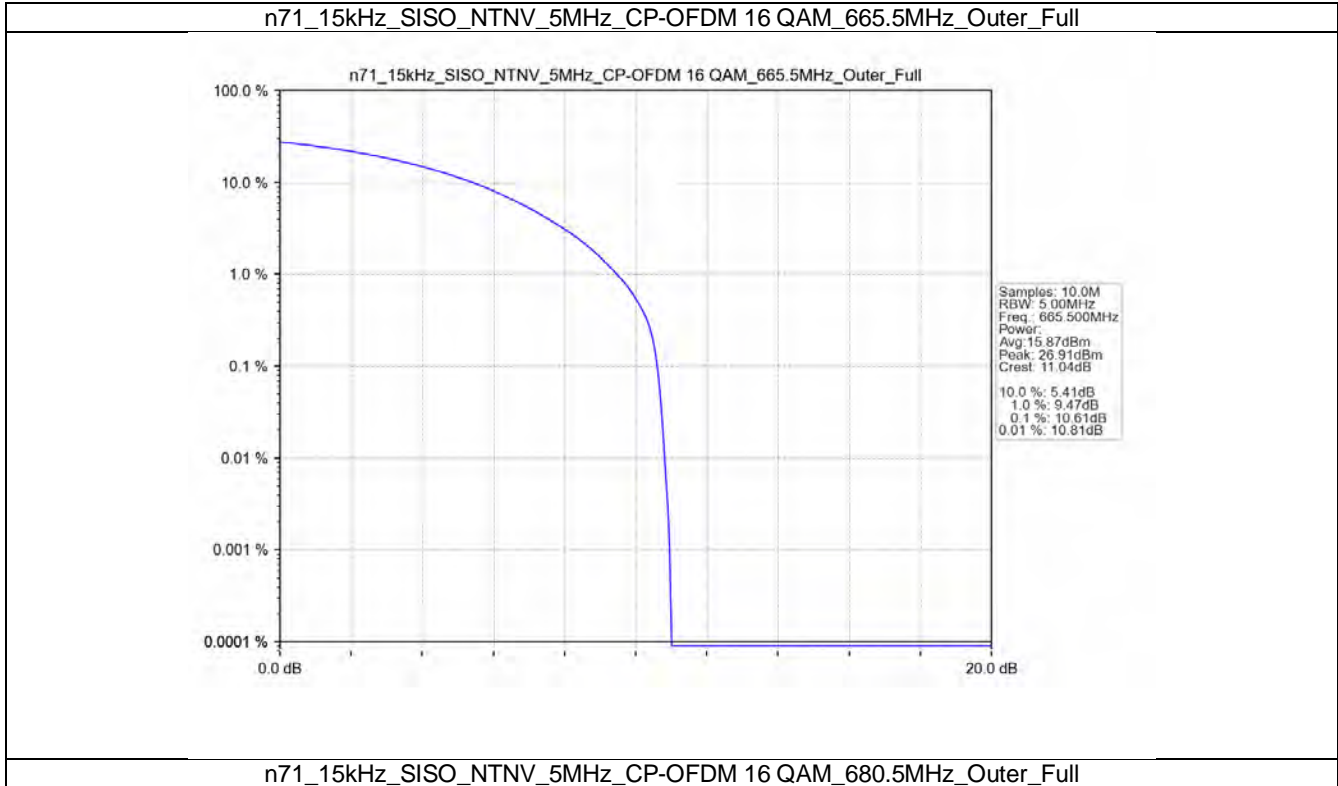


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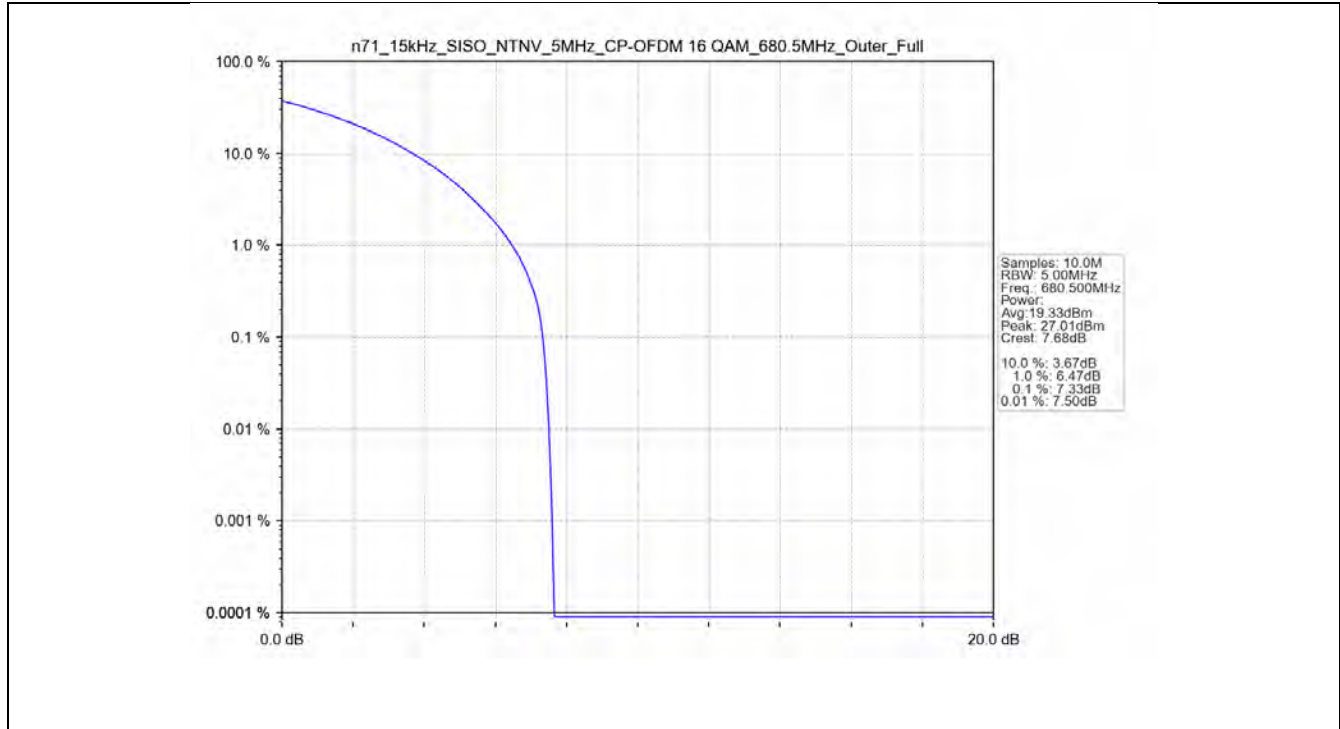


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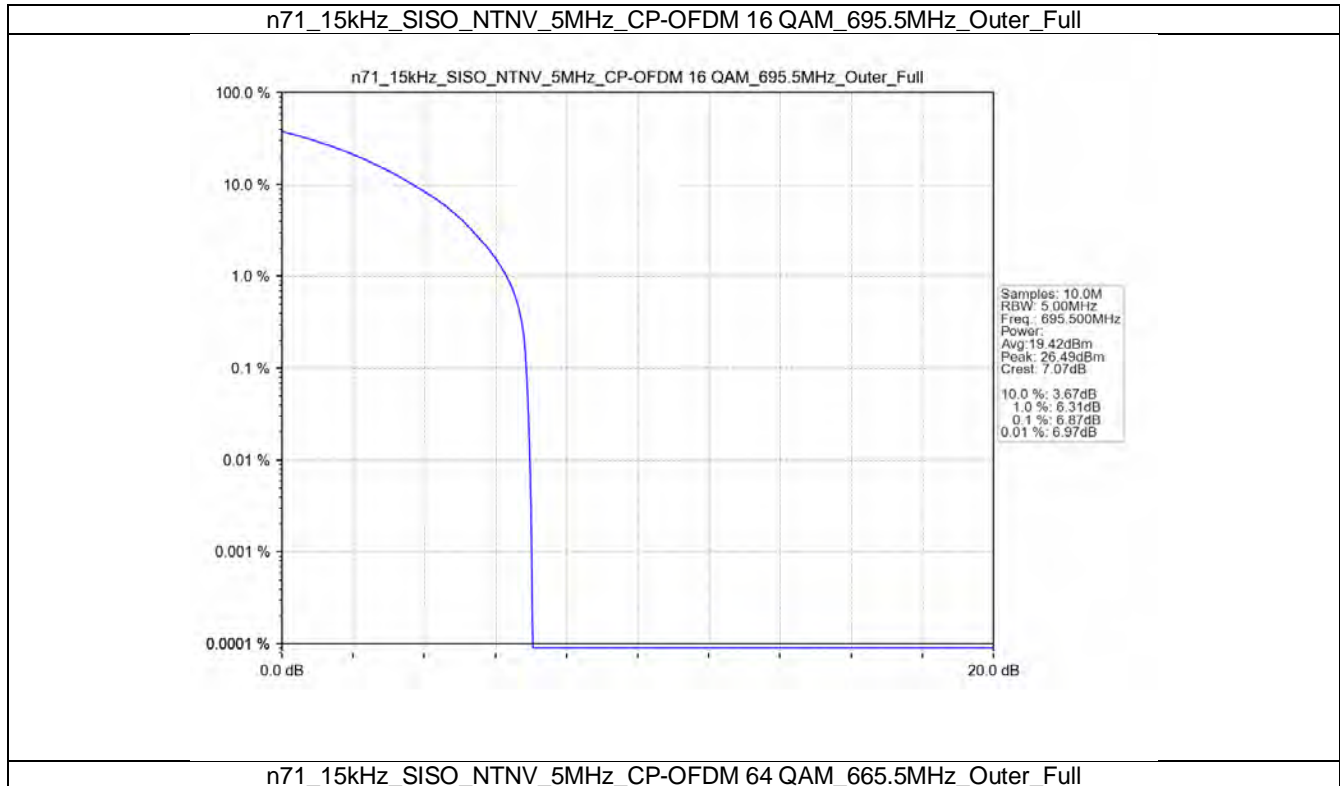


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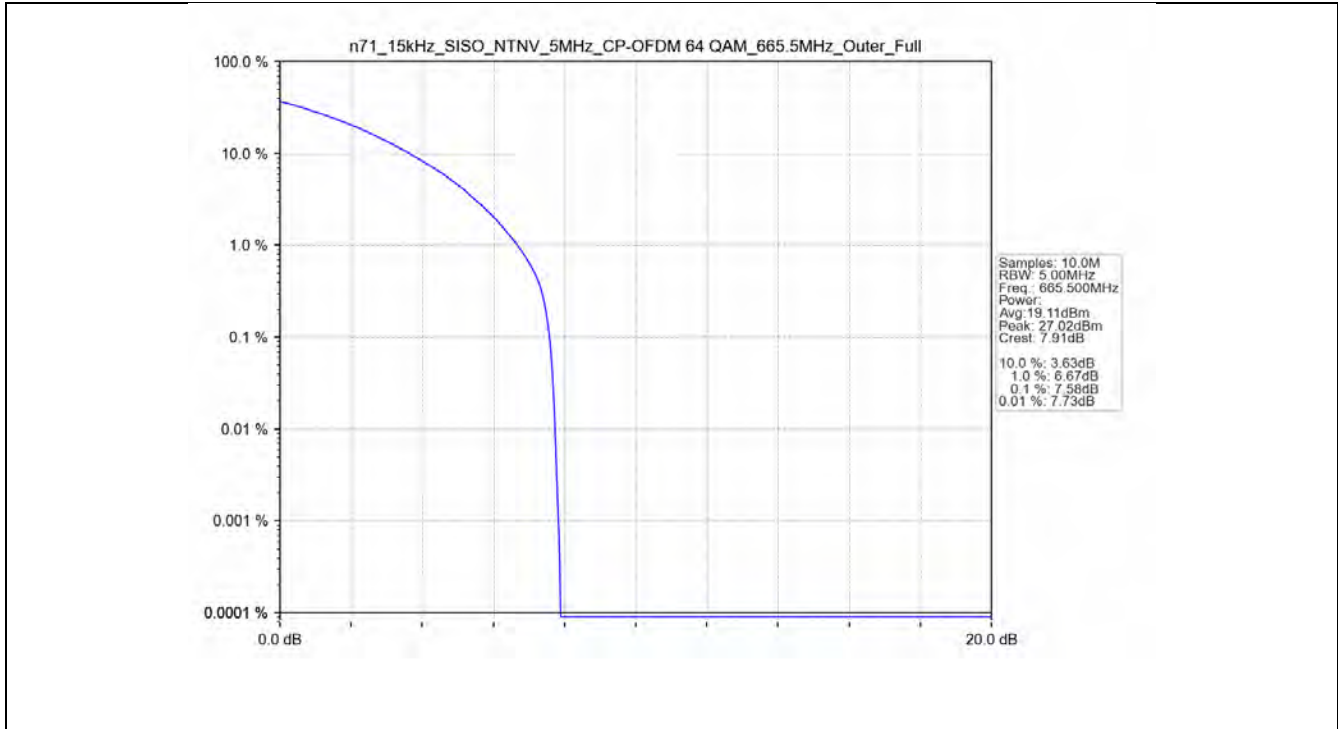


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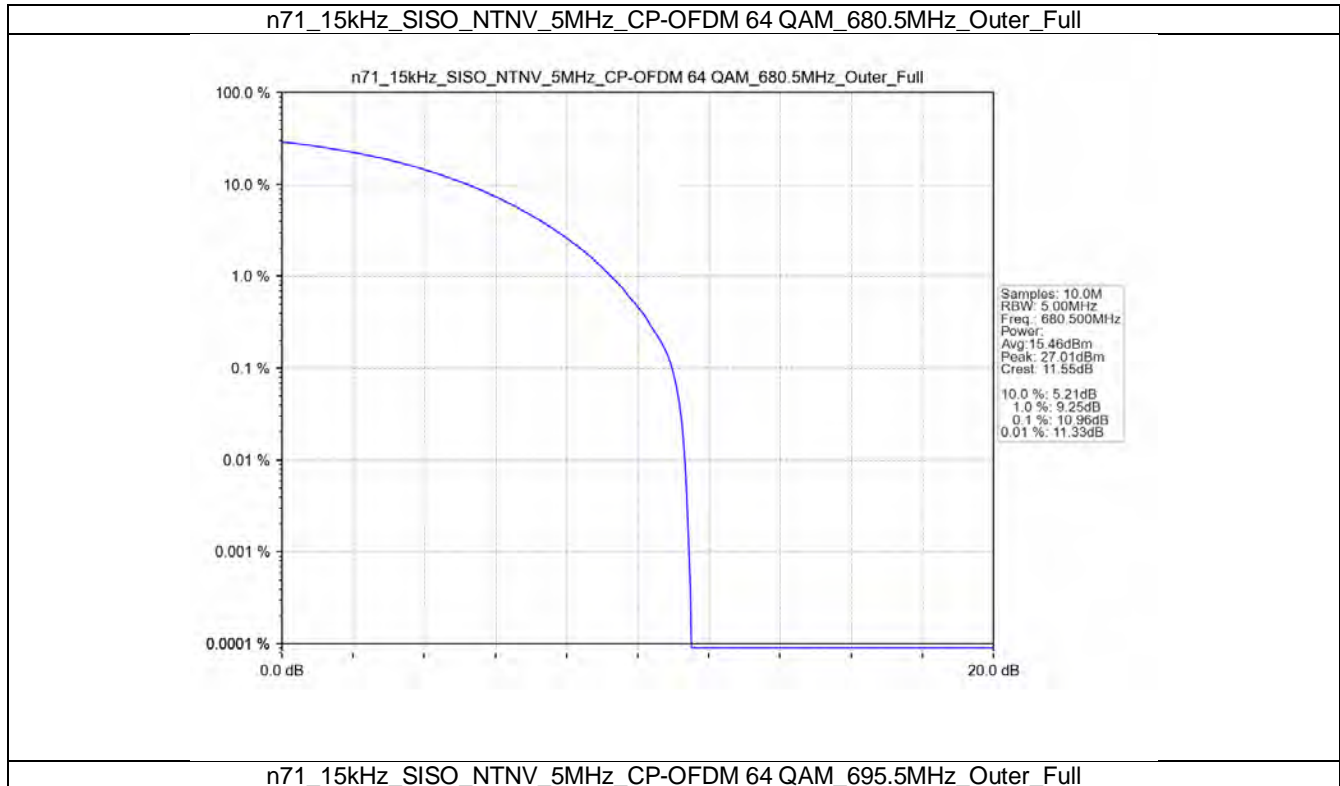


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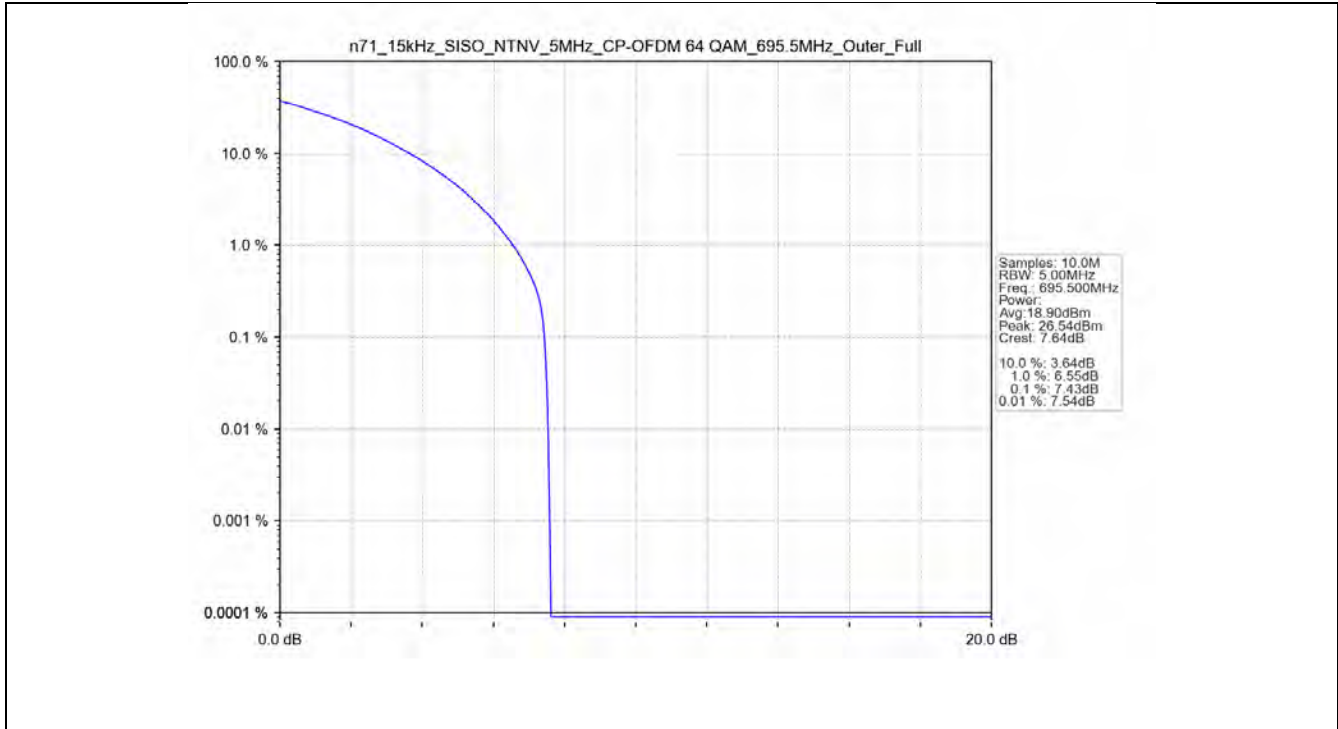


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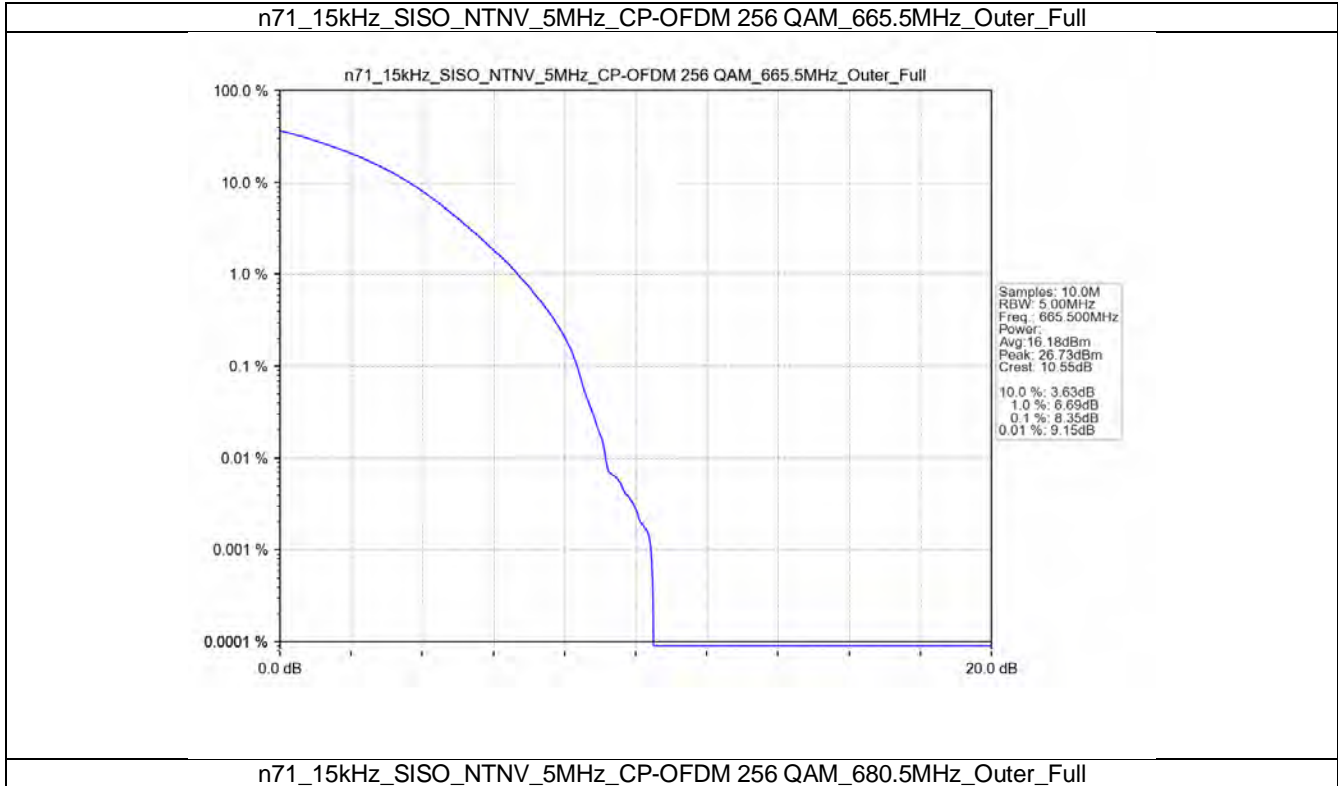


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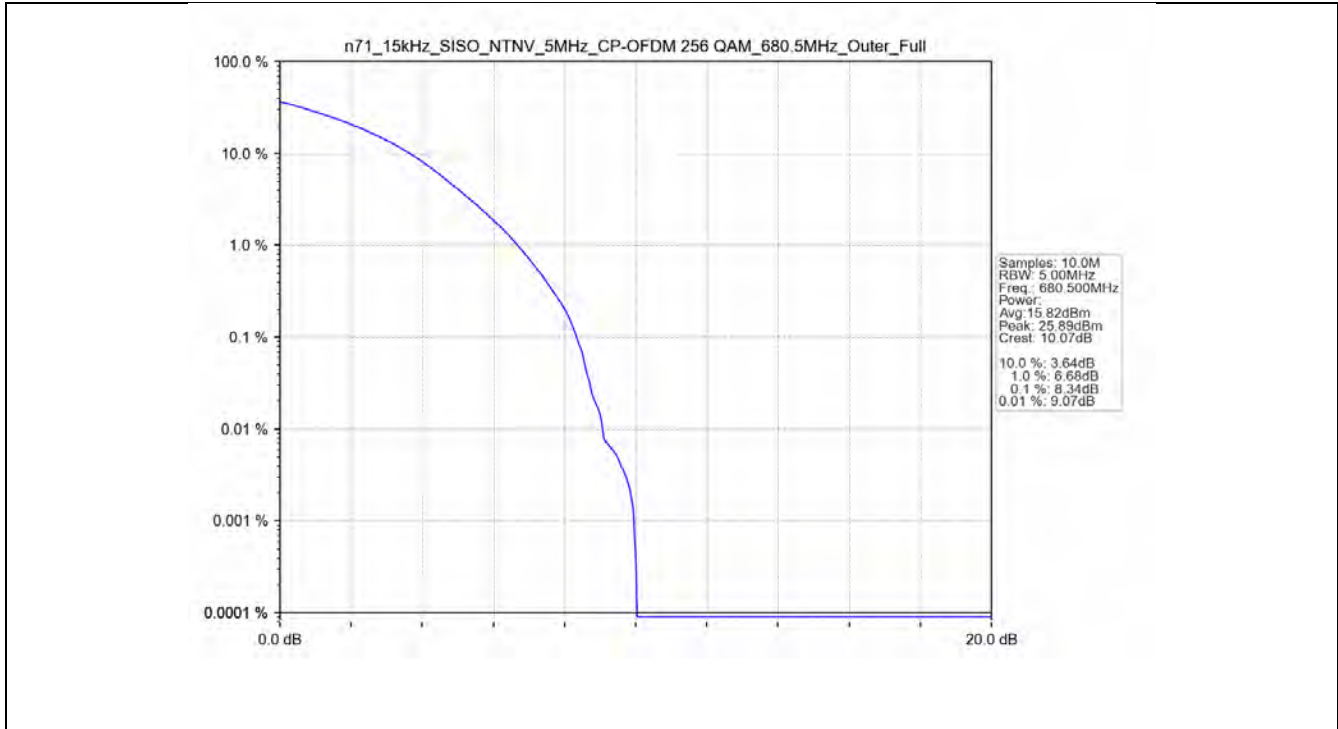


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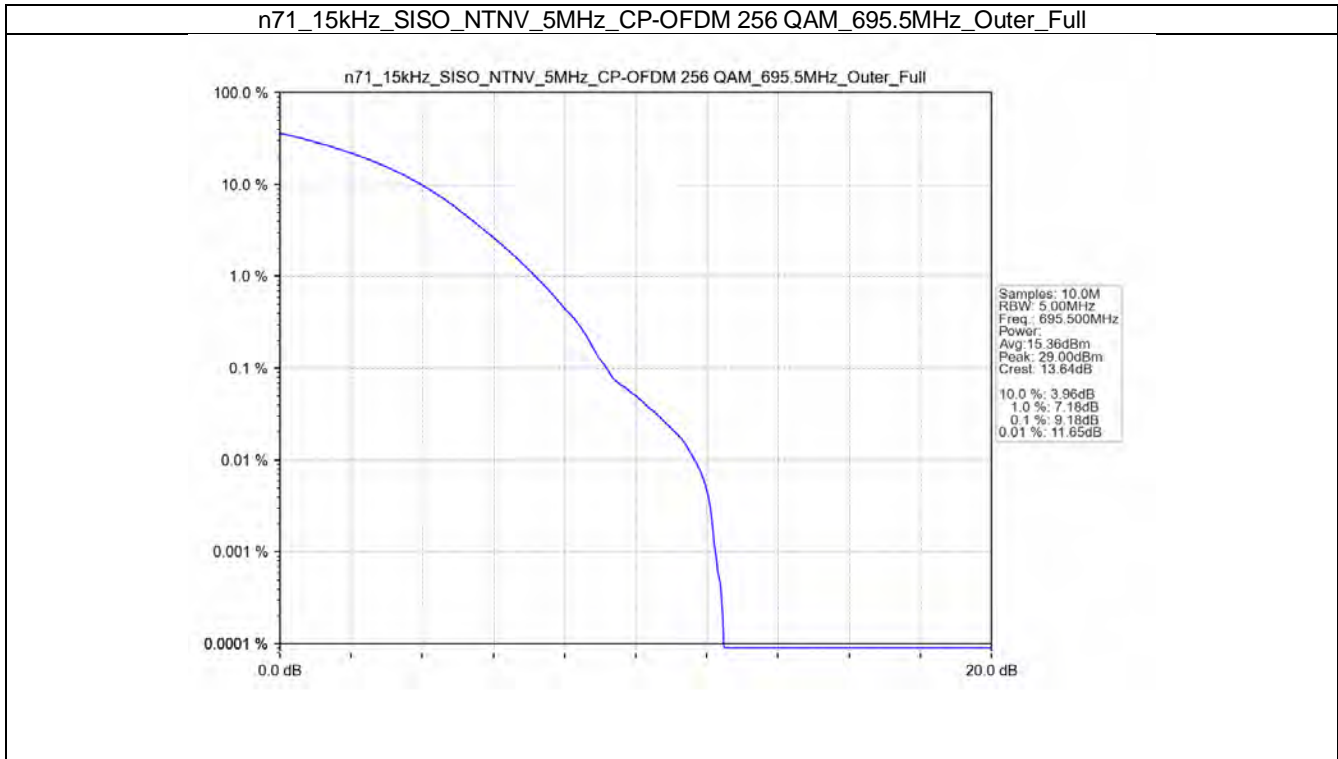


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