

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_SISO_10MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant41	Ant2	Sum	Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2575	Edge_1RB_Left	24.45	/	/	24.45	/	/	<=33	Pass
		Edge_1RB_Right	24.44	/	/	24.44	/	/	<=33	Pass
		Outer_Full	24.49	/	/	24.49	/	/	<=33	Pass
		Inner_Full	24.48	/	/	24.48	/	/	<=33	Pass
		Inner_1RB_Left	24.45	/	/	24.45	/	/	<=33	Pass
		Inner_1RB_Right	24.43	/	/	24.43	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.43	/	/	24.43	/	/	<=33	Pass
		Edge_1RB_Right	24.49	/	/	24.49	/	/	<=33	Pass
		Outer_Full	24.53	/	/	24.53	/	/	<=33	Pass
		Inner_Full	24.50	/	/	24.50	/	/	<=33	Pass
		Inner_1RB_Left	24.49	/	/	24.49	/	/	<=33	Pass
		Inner_1RB_Right	24.46	/	/	24.46	/	/	<=33	Pass
	2615	Edge_1RB_Left	24.62	/	/	24.62	/	/	<=33	Pass
		Edge_1RB_Right	24.48	/	/	24.48	/	/	<=33	Pass
		Outer_Full	24.65	/	/	24.65	/	/	<=33	Pass
		Inner_Full	24.50	/	/	24.50	/	/	<=33	Pass
		Inner_1RB_Left	24.59	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Right	24.58	/	/	24.58	/	/	<=33	Pass
DFT-s-OFDM QPSK	2575	Edge_1RB_Left	24.45	/	/	24.45	/	/	<=33	Pass
		Edge_1RB_Right	24.41	/	/	24.41	/	/	<=33	Pass
		Outer_Full	24.39	/	/	24.39	/	/	<=33	Pass
		Inner_Full	24.47	/	/	24.47	/	/	<=33	Pass
		Inner_1RB_Left	24.47	/	/	24.47	/	/	<=33	Pass
		Inner_1RB_Right	24.45	/	/	24.45	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.45	/	/	24.45	/	/	<=33	Pass
		Edge_1RB_Right	24.44	/	/	24.44	/	/	<=33	Pass
		Outer_Full	24.51	/	/	24.51	/	/	<=33	Pass
		Inner_Full	24.52	/	/	24.52	/	/	<=33	Pass
		Inner_1RB_Left	24.47	/	/	24.47	/	/	<=33	Pass
		Inner_1RB_Right	24.55	/	/	24.55	/	/	<=33	Pass
	2615	Edge_1RB_Left	24.48	/	/	24.48	/	/	<=33	Pass
		Edge_1RB_Right	24.46	/	/	24.46	/	/	<=33	Pass
		Outer_Full	24.64	/	/	24.64	/	/	<=33	Pass
		Inner_Full	24.59	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Left	24.52	/	/	24.52	/	/	<=33	Pass
		Inner_1RB_Right	24.54	/	/	24.54	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2575	Edge_1RB_Left	24.11	/	/	24.11	/	/	<=33	Pass
		Edge_1RB_Right	24.04	/	/	24.04	/	/	<=33	Pass
		Outer_Full	23.96	/	/	23.96	/	/	<=33	Pass
		Inner_Full	24.55	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	24.52	/	/	24.52	/	/	<=33	Pass
		Inner_1RB_Right	24.47	/	/	24.47	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.05	/	/	24.05	/	/	<=33	Pass
		Edge_1RB_Right	24.11	/	/	24.11	/	/	<=33	Pass
		Outer_Full	24.05	/	/	24.05	/	/	<=33	Pass
		Inner_Full	24.57	/	/	24.57	/	/	<=33	Pass
		Inner_1RB_Left	24.54	/	/	24.54	/	/	<=33	Pass
		Inner_1RB_Right	24.61	/	/	24.61	/	/	<=33	Pass
	2615	Edge_1RB_Left	24.12	/	/	24.12	/	/	<=33	Pass

		Edge_1RB_Right	24.06	/	/	24.06	/	/	<=33	Pass
		Outer_Full	24.17	/	/	24.17	/	/	<=33	Pass
		Inner_Full	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Left	24.64	/	/	24.64	/	/	<=33	Pass
		Inner_1RB_Right	24.63	/	/	24.63	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2575	Edge_1RB_Left	23.70	/	/	23.70	/	/	<=33	Pass
		Edge_1RB_Right	23.66	/	/	23.66	/	/	<=33	Pass
		Outer_Full	24.00	/	/	24.00	/	/	<=33	Pass
		Inner_Full	23.99	/	/	23.99	/	/	<=33	Pass
		Inner_1RB_Left	23.98	/	/	23.98	/	/	<=33	Pass
		Inner_1RB_Right	24.02	/	/	24.02	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.64	/	/	23.64	/	/	<=33	Pass
		Edge_1RB_Right	23.70	/	/	23.70	/	/	<=33	Pass
		Outer_Full	24.06	/	/	24.06	/	/	<=33	Pass
		Inner_Full	24.02	/	/	24.02	/	/	<=33	Pass
		Inner_1RB_Left	23.99	/	/	23.99	/	/	<=33	Pass
		Inner_1RB_Right	24.05	/	/	24.05	/	/	<=33	Pass
	2615	Edge_1RB_Left	23.71	/	/	23.71	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	23.64	/	/	<=33	Pass
		Outer_Full	24.12	/	/	24.12	/	/	<=33	Pass
		Inner_Full	24.04	/	/	24.04	/	/	<=33	Pass
		Inner_1RB_Left	24.02	/	/	24.02	/	/	<=33	Pass
		Inner_1RB_Right	24.00	/	/	24.00	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2575	Edge_1RB_Left	21.79	/	/	21.79	/	/	<=33	Pass
		Edge_1RB_Right	21.76	/	/	21.76	/	/	<=33	Pass
		Outer_Full	22.87	/	/	22.87	/	/	<=33	Pass
		Inner_Full	22.84	/	/	22.84	/	/	<=33	Pass
		Inner_1RB_Left	22.81	/	/	22.81	/	/	<=33	Pass
		Inner_1RB_Right	22.79	/	/	22.79	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.73	/	/	21.73	/	/	<=33	Pass
		Edge_1RB_Right	21.83	/	/	21.83	/	/	<=33	Pass
		Outer_Full	22.95	/	/	22.95	/	/	<=33	Pass
		Inner_Full	22.92	/	/	22.92	/	/	<=33	Pass
		Inner_1RB_Left	22.74	/	/	22.74	/	/	<=33	Pass
		Inner_1RB_Right	22.84	/	/	22.84	/	/	<=33	Pass
	2615	Edge_1RB_Left	21.84	/	/	21.84	/	/	<=33	Pass
		Edge_1RB_Right	21.89	/	/	21.89	/	/	<=33	Pass
		Outer_Full	22.95	/	/	22.95	/	/	<=33	Pass
		Inner_Full	22.95	/	/	22.95	/	/	<=33	Pass
		Inner_1RB_Left	22.86	/	/	22.86	/	/	<=33	Pass
		Inner_1RB_Right	22.90	/	/	22.90	/	/	<=33	Pass
CP-OFDM QPSK	2575	Edge_1RB_Left	23.12	/	/	23.12	/	/	<=33	Pass
		Edge_1RB_Right	23.02	/	/	23.02	/	/	<=33	Pass
		Outer_Full	24.08	/	/	24.08	/	/	<=33	Pass
		Inner_Full	24.47	/	/	24.47	/	/	<=33	Pass
		Inner_1RB_Left	24.45	/	/	24.45	/	/	<=33	Pass
		Inner_1RB_Right	24.33	/	/	24.33	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.05	/	/	23.05	/	/	<=33	Pass
		Edge_1RB_Right	23.13	/	/	23.13	/	/	<=33	Pass
		Outer_Full	24.01	/	/	24.01	/	/	<=33	Pass
		Inner_Full	24.58	/	/	24.58	/	/	<=33	Pass
		Inner_1RB_Left	24.38	/	/	24.38	/	/	<=33	Pass
		Inner_1RB_Right	24.51	/	/	24.51	/	/	<=33	Pass
	2615	Edge_1RB_Left	23.21	/	/	23.21	/	/	<=33	Pass
		Edge_1RB_Right	23.18	/	/	23.18	/	/	<=33	Pass
		Outer_Full	24.12	/	/	24.12	/	/	<=33	Pass
		Inner_Full	24.54	/	/	24.54	/	/	<=33	Pass
		Inner_1RB_Left	24.64	/	/	24.64	/	/	<=33	Pass
		Inner_1RB_Right	24.57	/	/	24.57	/	/	<=33	Pass

CP-OFDM 16 QAM	2575	Edge 1RB Left	23.19	/	/	23.19	/	/	<=33	Pass
		Edge 1RB Right	23.14	/	/	23.14	/	/	<=33	Pass
		Outer_Full	24.08	/	/	24.08	/	/	<=33	Pass
		Inner_Full	24.53	/	/	24.53	/	/	<=33	Pass
		Inner 1RB Left	24.44	/	/	24.44	/	/	<=33	Pass
		Inner 1RB Right	24.41	/	/	24.41	/	/	<=33	Pass
	2595	Edge 1RB Left	23.11	/	/	23.11	/	/	<=33	Pass
		Edge 1RB Right	23.21	/	/	23.21	/	/	<=33	Pass
		Outer_Full	23.99	/	/	23.99	/	/	<=33	Pass
		Inner_Full	24.55	/	/	24.55	/	/	<=33	Pass
		Inner 1RB Left	24.44	/	/	24.44	/	/	<=33	Pass
		Inner 1RB Right	24.48	/	/	24.48	/	/	<=33	Pass
	2615	Edge 1RB Left	23.29	/	/	23.29	/	/	<=33	Pass
		Edge 1RB Right	23.30	/	/	23.30	/	/	<=33	Pass
		Outer_Full	24.09	/	/	24.09	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner 1RB Left	24.56	/	/	24.56	/	/	<=33	Pass
		Inner 1RB Right	24.54	/	/	24.54	/	/	<=33	Pass
CP-OFDM 64 QAM	2575	Edge 1RB Left	22.79	/	/	22.79	/	/	<=33	Pass
		Edge 1RB Right	22.75	/	/	22.75	/	/	<=33	Pass
		Outer_Full	24.08	/	/	24.08	/	/	<=33	Pass
		Inner_Full	24.39	/	/	24.39	/	/	<=33	Pass
		Inner 1RB Left	24.59	/	/	24.59	/	/	<=33	Pass
		Inner 1RB Right	24.44	/	/	24.44	/	/	<=33	Pass
	2595	Edge 1RB Left	22.77	/	/	22.77	/	/	<=33	Pass
		Edge 1RB Right	22.81	/	/	22.81	/	/	<=33	Pass
		Outer_Full	24.00	/	/	24.00	/	/	<=33	Pass
		Inner_Full	24.45	/	/	24.45	/	/	<=33	Pass
		Inner 1RB Left	24.52	/	/	24.52	/	/	<=33	Pass
		Inner 1RB Right	24.52	/	/	24.52	/	/	<=33	Pass
	2615	Edge 1RB Left	22.77	/	/	22.77	/	/	<=33	Pass
		Edge 1RB Right	22.81	/	/	22.81	/	/	<=33	Pass
		Outer_Full	24.09	/	/	24.09	/	/	<=33	Pass
		Inner_Full	24.53	/	/	24.53	/	/	<=33	Pass
		Inner 1RB Left	24.58	/	/	24.58	/	/	<=33	Pass
		Inner 1RB Right	24.61	/	/	24.61	/	/	<=33	Pass
CP-OFDM 256 QAM	2575	Edge 1RB Left	19.96	/	/	19.96	/	/	<=33	Pass
		Edge 1RB Right	19.90	/	/	19.90	/	/	<=33	Pass
		Outer_Full	21.44	/	/	21.44	/	/	<=33	Pass
		Inner_Full	21.51	/	/	21.51	/	/	<=33	Pass
		Inner 1RB Left	21.46	/	/	21.46	/	/	<=33	Pass
		Inner 1RB Right	21.44	/	/	21.44	/	/	<=33	Pass
	2595	Edge 1RB Left	19.92	/	/	19.92	/	/	<=33	Pass
		Edge 1RB Right	19.93	/	/	19.93	/	/	<=33	Pass
		Outer_Full	21.47	/	/	21.47	/	/	<=33	Pass
		Inner_Full	21.45	/	/	21.45	/	/	<=33	Pass
		Inner 1RB Left	21.48	/	/	21.48	/	/	<=33	Pass
		Inner 1RB Right	21.46	/	/	21.46	/	/	<=33	Pass
	2615	Edge 1RB Left	20.01	/	/	20.01	/	/	<=33	Pass
		Edge 1RB Right	19.99	/	/	19.99	/	/	<=33	Pass
		Outer_Full	21.51	/	/	21.51	/	/	<=33	Pass
		Inner_Full	21.53	/	/	21.53	/	/	<=33	Pass
		Inner 1RB Left	21.49	/	/	21.49	/	/	<=33	Pass
		Inner 1RB Right	21.42	/	/	21.42	/	/	<=33	Pass
Note1: Antenna Gain: Ant41: 0.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 30k_SISO_15MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant41	Ant2	Sum	Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2577.5	Edge 1RB Left	24.69	/	/	24.69	/	/	<=33	Pass
		Edge 1RB Right	24.67	/	/	24.67	/	/	<=33	Pass
		Outer Full	24.69	/	/	24.69	/	/	<=33	Pass
		Inner Full	24.66	/	/	24.66	/	/	<=33	Pass
		Inner 1RB Left	24.70	/	/	24.70	/	/	<=33	Pass
		Inner 1RB Right	24.68	/	/	24.68	/	/	<=33	Pass
	2595	Edge 1RB Left	24.54	/	/	24.54	/	/	<=33	Pass
		Edge 1RB Right	24.76	/	/	24.76	/	/	<=33	Pass
		Outer Full	24.70	/	/	24.70	/	/	<=33	Pass
		Inner Full	24.63	/	/	24.63	/	/	<=33	Pass
		Inner 1RB Left	24.60	/	/	24.60	/	/	<=33	Pass
		Inner 1RB Right	24.79	/	/	24.79	/	/	<=33	Pass
	2612.5	Edge 1RB Left	24.90	/	/	24.90	/	/	<=33	Pass
		Edge 1RB Right	24.83	/	/	24.83	/	/	<=33	Pass
		Outer Full	24.91	/	/	24.91	/	/	<=33	Pass
		Inner Full	24.90	/	/	24.90	/	/	<=33	Pass
		Inner 1RB Left	24.93	/	/	24.93	/	/	<=33	Pass
		Inner 1RB Right	24.88	/	/	24.88	/	/	<=33	Pass
DFT-s-OFDM QPSK	2577.5	Edge 1RB Left	24.70	/	/	24.70	/	/	<=33	Pass
		Edge 1RB Right	24.65	/	/	24.65	/	/	<=33	Pass
		Outer Full	24.70	/	/	24.70	/	/	<=33	Pass
		Inner Full	24.71	/	/	24.71	/	/	<=33	Pass
		Inner 1RB Left	24.71	/	/	24.71	/	/	<=33	Pass
		Inner 1RB Right	24.74	/	/	24.74	/	/	<=33	Pass
	2595	Edge 1RB Left	24.53	/	/	24.53	/	/	<=33	Pass
		Edge 1RB Right	24.72	/	/	24.72	/	/	<=33	Pass
		Outer Full	24.59	/	/	24.59	/	/	<=33	Pass
		Inner Full	24.64	/	/	24.64	/	/	<=33	Pass
		Inner 1RB Left	24.55	/	/	24.55	/	/	<=33	Pass
		Inner 1RB Right	24.79	/	/	24.79	/	/	<=33	Pass
	2612.5	Edge 1RB Left	24.87	/	/	24.87	/	/	<=33	Pass
		Edge 1RB Right	24.88	/	/	24.88	/	/	<=33	Pass
		Outer Full	24.92	/	/	24.92	/	/	<=33	Pass
		Inner Full	24.91	/	/	24.91	/	/	<=33	Pass
		Inner 1RB Left	24.96	/	/	24.96	/	/	<=33	Pass
		Inner 1RB Right	24.85	/	/	24.85	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2577.5	Edge 1RB Left	24.29	/	/	24.29	/	/	<=33	Pass
		Edge 1RB Right	24.16	/	/	24.16	/	/	<=33	Pass
		Outer Full	24.21	/	/	24.21	/	/	<=33	Pass
		Inner Full	24.66	/	/	24.66	/	/	<=33	Pass
		Inner 1RB Left	24.69	/	/	24.69	/	/	<=33	Pass
		Inner 1RB Right	24.73	/	/	24.73	/	/	<=33	Pass
	2595	Edge 1RB Left	24.06	/	/	24.06	/	/	<=33	Pass
		Edge 1RB Right	24.21	/	/	24.21	/	/	<=33	Pass
		Outer Full	24.16	/	/	24.16	/	/	<=33	Pass
		Inner Full	24.54	/	/	24.54	/	/	<=33	Pass
		Inner 1RB Left	24.59	/	/	24.59	/	/	<=33	Pass
		Inner 1RB Right	24.79	/	/	24.79	/	/	<=33	Pass
	2612.5	Edge 1RB Left	24.48	/	/	24.48	/	/	<=33	Pass
		Edge 1RB Right	24.49	/	/	24.49	/	/	<=33	Pass
		Outer Full	24.47	/	/	24.47	/	/	<=33	Pass
		Inner Full	24.91	/	/	24.91	/	/	<=33	Pass
		Inner 1RB Left	24.98	/	/	24.98	/	/	<=33	Pass
		Inner 1RB Right	24.89	/	/	24.89	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2577.5	Edge 1RB Left	23.95	/	/	23.95	/	/	<=33	Pass
		Edge 1RB Right	23.88	/	/	23.88	/	/	<=33	Pass

		Outer_Full	24.23	/	/	24.23	/	/	<=33	Pass
		Inner_Full	24.25	/	/	24.25	/	/	<=33	Pass
		Inner_1RB_Left	24.28	/	/	24.28	/	/	<=33	Pass
		Inner_1RB_Right	24.25	/	/	24.25	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.77	/	/	23.77	/	/	<=33	Pass
		Edge_1RB_Right	24.04	/	/	24.04	/	/	<=33	Pass
		Outer_Full	24.12	/	/	24.12	/	/	<=33	Pass
		Inner_Full	24.10	/	/	24.10	/	/	<=33	Pass
		Inner_1RB_Left	24.15	/	/	24.15	/	/	<=33	Pass
		Inner_1RB_Right	24.33	/	/	24.33	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	24.08	/	/	24.08	/	/	<=33	Pass
		Edge_1RB_Right	24.20	/	/	24.20	/	/	<=33	Pass
		Outer_Full	24.40	/	/	24.40	/	/	<=33	Pass
		Inner_Full	24.46	/	/	24.46	/	/	<=33	Pass
		Inner_1RB_Left	24.46	/	/	24.46	/	/	<=33	Pass
		Inner_1RB_Right	24.41	/	/	24.41	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2577.5	Edge_1RB_Left	21.97	/	/	21.97	/	/	<=33	Pass
		Edge_1RB_Right	21.94	/	/	21.94	/	/	<=33	Pass
		Outer_Full	23.16	/	/	23.16	/	/	<=33	Pass
		Inner_Full	23.17	/	/	23.17	/	/	<=33	Pass
		Inner_1RB_Left	23.10	/	/	23.10	/	/	<=33	Pass
		Inner_1RB_Right	22.95	/	/	22.95	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.83	/	/	21.83	/	/	<=33	Pass
		Edge_1RB_Right	22.12	/	/	22.12	/	/	<=33	Pass
		Outer_Full	23.09	/	/	23.09	/	/	<=33	Pass
		Inner_Full	23.06	/	/	23.06	/	/	<=33	Pass
		Inner_1RB_Left	22.94	/	/	22.94	/	/	<=33	Pass
		Inner_1RB_Right	23.17	/	/	23.17	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	22.34	/	/	22.34	/	/	<=33	Pass
		Edge_1RB_Right	22.21	/	/	22.21	/	/	<=33	Pass
		Outer_Full	23.34	/	/	23.34	/	/	<=33	Pass
		Inner_Full	23.38	/	/	23.38	/	/	<=33	Pass
		Inner_1RB_Left	23.29	/	/	23.29	/	/	<=33	Pass
		Inner_1RB_Right	23.25	/	/	23.25	/	/	<=33	Pass
CP-OFDM QPSK	2577.5	Edge_1RB_Left	23.38	/	/	23.38	/	/	<=33	Pass
		Edge_1RB_Right	23.39	/	/	23.39	/	/	<=33	Pass
		Outer_Full	24.20	/	/	24.20	/	/	<=33	Pass
		Inner_Full	24.51	/	/	24.51	/	/	<=33	Pass
		Inner_1RB_Left	24.84	/	/	24.84	/	/	<=33	Pass
		Inner_1RB_Right	24.74	/	/	24.74	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.24	/	/	23.24	/	/	<=33	Pass
		Edge_1RB_Right	23.46	/	/	23.46	/	/	<=33	Pass
		Outer_Full	24.11	/	/	24.11	/	/	<=33	Pass
		Inner_Full	24.57	/	/	24.57	/	/	<=33	Pass
		Inner_1RB_Left	24.62	/	/	24.62	/	/	<=33	Pass
		Inner_1RB_Right	24.87	/	/	24.87	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	23.66	/	/	23.66	/	/	<=33	Pass
		Edge_1RB_Right	23.55	/	/	23.55	/	/	<=33	Pass
		Outer_Full	24.39	/	/	24.39	/	/	<=33	Pass
		Inner_Full	24.88	/	/	24.88	/	/	<=33	Pass
		Inner_1RB_Left	24.99	/	/	24.99	/	/	<=33	Pass
		Inner_1RB_Right	24.79	/	/	24.79	/	/	<=33	Pass
CP-OFDM 16 QAM	2577.5	Edge_1RB_Left	23.45	/	/	23.45	/	/	<=33	Pass
		Edge_1RB_Right	23.48	/	/	23.48	/	/	<=33	Pass
		Outer_Full	24.23	/	/	24.23	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.84	/	/	24.84	/	/	<=33	Pass
		Inner_1RB_Right	24.54	/	/	24.54	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.33	/	/	23.33	/	/	<=33	Pass

		Edge 1RB Right	23.56	/	/	23.56	/	/	<=33	Pass
		Outer Full	24.11	/	/	24.11	/	/	<=33	Pass
		Inner Full	24.58	/	/	24.58	/	/	<=33	Pass
		Inner 1RB Left	24.46	/	/	24.46	/	/	<=33	Pass
		Inner 1RB Right	24.70	/	/	24.70	/	/	<=33	Pass
	2612.5	Edge 1RB Left	23.75	/	/	23.75	/	/	<=33	Pass
		Edge 1RB Right	23.60	/	/	23.60	/	/	<=33	Pass
		Outer Full	24.46	/	/	24.46	/	/	<=33	Pass
		Inner Full	24.82	/	/	24.82	/	/	<=33	Pass
		Inner 1RB Left	24.87	/	/	24.87	/	/	<=33	Pass
CP-OFDM 64 QAM	2577.5	Inner 1RB Right	24.90	/	/	24.90	/	/	<=33	Pass
		Edge 1RB Left	23.05	/	/	23.05	/	/	<=33	Pass
		Edge 1RB Right	22.97	/	/	22.97	/	/	<=33	Pass
		Outer Full	24.23	/	/	24.23	/	/	<=33	Pass
		Inner Full	24.67	/	/	24.67	/	/	<=33	Pass
		Inner 1RB Left	24.78	/	/	24.78	/	/	<=33	Pass
	2595	Inner 1RB Right	24.74	/	/	24.74	/	/	<=33	Pass
		Edge 1RB Left	22.84	/	/	22.84	/	/	<=33	Pass
		Edge 1RB Right	23.05	/	/	23.05	/	/	<=33	Pass
		Outer Full	24.10	/	/	24.10	/	/	<=33	Pass
		Inner Full	24.62	/	/	24.62	/	/	<=33	Pass
		Inner 1RB Left	24.71	/	/	24.71	/	/	<=33	Pass
	2612.5	Inner 1RB Right	24.85	/	/	24.85	/	/	<=33	Pass
		Edge 1RB Left	23.25	/	/	23.25	/	/	<=33	Pass
		Edge 1RB Right	23.22	/	/	23.22	/	/	<=33	Pass
Outer Full		24.41	/	/	24.41	/	/	<=33	Pass	
Inner Full		24.94	/	/	24.94	/	/	<=33	Pass	
Inner 1RB Left		24.93	/	/	24.93	/	/	<=33	Pass	
CP-OFDM 256 QAM	2577.5	Inner 1RB Right	24.92	/	/	24.92	/	/	<=33	Pass
		Edge 1RB Left	20.16	/	/	20.16	/	/	<=33	Pass
		Edge 1RB Right	20.12	/	/	20.12	/	/	<=33	Pass
		Outer Full	21.57	/	/	21.57	/	/	<=33	Pass
		Inner Full	21.71	/	/	21.71	/	/	<=33	Pass
		Inner 1RB Left	21.66	/	/	21.66	/	/	<=33	Pass
	2595	Inner 1RB Right	21.66	/	/	21.66	/	/	<=33	Pass
		Edge 1RB Left	19.89	/	/	19.89	/	/	<=33	Pass
		Edge 1RB Right	20.14	/	/	20.14	/	/	<=33	Pass
		Outer Full	21.61	/	/	21.61	/	/	<=33	Pass
		Inner Full	21.59	/	/	21.59	/	/	<=33	Pass
		Inner 1RB Left	21.45	/	/	21.45	/	/	<=33	Pass
	2612.5	Inner 1RB Right	21.62	/	/	21.62	/	/	<=33	Pass
		Edge 1RB Left	20.30	/	/	20.30	/	/	<=33	Pass
		Edge 1RB Right	20.33	/	/	20.33	/	/	<=33	Pass
Outer Full		21.92	/	/	21.92	/	/	<=33	Pass	
Inner Full		21.93	/	/	21.93	/	/	<=33	Pass	
Inner 1RB Left		21.79	/	/	21.79	/	/	<=33	Pass	
Inner 1RB Right	21.84	/	/	21.84	/	/	<=33	Pass		
Note1: Antenna Gain: Ant41: 0.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30k_SISO_20MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant41	Ant2	Sum	Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2580	Edge 1RB Left	24.71	/	/	24.71	/	/	<=33	Pass
		Edge 1RB Right	24.66	/	/	24.66	/	/	<=33	Pass
		Outer_Full	24.63	/	/	24.63	/	/	<=33	Pass

		Inner_Full	24.74	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Left	24.69	/	/	24.69	/	/	<=33	Pass
		Inner_1RB_Right	24.65	/	/	24.65	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.51	/	/	24.51	/	/	<=33	Pass
		Edge_1RB_Right	24.79	/	/	24.79	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.73	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.51	/	/	24.51	/	/	<=33	Pass
		Inner_1RB_Right	24.75	/	/	24.75	/	/	<=33	Pass
	2610	Edge_1RB_Left	24.81	/	/	24.81	/	/	<=33	Pass
		Edge_1RB_Right	24.83	/	/	24.83	/	/	<=33	Pass
		Outer_Full	24.83	/	/	24.83	/	/	<=33	Pass
		Inner_Full	24.87	/	/	24.87	/	/	<=33	Pass
		Inner_1RB_Left	24.83	/	/	24.83	/	/	<=33	Pass
		Inner_1RB_Right	24.80	/	/	24.80	/	/	<=33	Pass
DFT-s-OFDM QPSK	2580	Edge_1RB_Left	24.77	/	/	24.77	/	/	<=33	Pass
		Edge_1RB_Right	24.67	/	/	24.67	/	/	<=33	Pass
		Outer_Full	24.71	/	/	24.71	/	/	<=33	Pass
		Inner_Full	24.73	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Left	24.75	/	/	24.75	/	/	<=33	Pass
		Inner_1RB_Right	24.58	/	/	24.58	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.50	/	/	24.50	/	/	<=33	Pass
		Edge_1RB_Right	24.77	/	/	24.77	/	/	<=33	Pass
		Outer_Full	24.70	/	/	24.70	/	/	<=33	Pass
		Inner_Full	24.54	/	/	24.54	/	/	<=33	Pass
		Inner_1RB_Left	24.53	/	/	24.53	/	/	<=33	Pass
		Inner_1RB_Right	24.76	/	/	24.76	/	/	<=33	Pass
	2610	Edge_1RB_Left	24.79	/	/	24.79	/	/	<=33	Pass
		Edge_1RB_Right	24.83	/	/	24.83	/	/	<=33	Pass
		Outer_Full	24.87	/	/	24.87	/	/	<=33	Pass
		Inner_Full	24.87	/	/	24.87	/	/	<=33	Pass
		Inner_1RB_Left	24.78	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Right	24.82	/	/	24.82	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Edge_1RB_Left	24.27	/	/	24.27	/	/	<=33	Pass
		Edge_1RB_Right	24.29	/	/	24.29	/	/	<=33	Pass
		Outer_Full	24.23	/	/	24.23	/	/	<=33	Pass
		Inner_Full	24.73	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Left	24.74	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Right	24.70	/	/	24.70	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.10	/	/	24.10	/	/	<=33	Pass
		Edge_1RB_Right	24.28	/	/	24.28	/	/	<=33	Pass
		Outer_Full	24.14	/	/	24.14	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.60	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Right	24.83	/	/	24.83	/	/	<=33	Pass
	2610	Edge_1RB_Left	24.33	/	/	24.33	/	/	<=33	Pass
		Edge_1RB_Right	24.38	/	/	24.38	/	/	<=33	Pass
		Outer_Full	24.40	/	/	24.40	/	/	<=33	Pass
		Inner_Full	24.93	/	/	24.93	/	/	<=33	Pass
		Inner_1RB_Left	24.89	/	/	24.89	/	/	<=33	Pass
		Inner_1RB_Right	24.87	/	/	24.87	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Edge_1RB_Left	23.93	/	/	23.93	/	/	<=33	Pass
		Edge_1RB_Right	23.85	/	/	23.85	/	/	<=33	Pass
		Outer_Full	24.30	/	/	24.30	/	/	<=33	Pass
		Inner_Full	24.25	/	/	24.25	/	/	<=33	Pass
		Inner_1RB_Left	24.29	/	/	24.29	/	/	<=33	Pass
		Inner_1RB_Right	24.26	/	/	24.26	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.76	/	/	23.76	/	/	<=33	Pass
		Edge_1RB_Right	23.96	/	/	23.96	/	/	<=33	Pass

		Outer_Full	24.11	/	/	24.11	/	/	<=33	Pass
		Inner_Full	24.14	/	/	24.14	/	/	<=33	Pass
		Inner_1RB_Left	24.14	/	/	24.14	/	/	<=33	Pass
		Inner_1RB_Right	24.29	/	/	24.29	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.89	/	/	23.89	/	/	<=33	Pass
		Edge_1RB_Right	24.01	/	/	24.01	/	/	<=33	Pass
		Outer_Full	24.38	/	/	24.38	/	/	<=33	Pass
		Inner_Full	24.46	/	/	24.46	/	/	<=33	Pass
		Inner_1RB_Left	24.31	/	/	24.31	/	/	<=33	Pass
		Inner_1RB_Right	24.39	/	/	24.39	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Edge_1RB_Left	22.05	/	/	22.05	/	/	<=33	Pass
		Edge_1RB_Right	21.97	/	/	21.97	/	/	<=33	Pass
		Outer_Full	23.19	/	/	23.19	/	/	<=33	Pass
		Inner_Full	23.14	/	/	23.14	/	/	<=33	Pass
		Inner_1RB_Left	23.03	/	/	23.03	/	/	<=33	Pass
		Inner_1RB_Right	23.05	/	/	23.05	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.91	/	/	21.91	/	/	<=33	Pass
		Edge_1RB_Right	22.07	/	/	22.07	/	/	<=33	Pass
		Outer_Full	23.08	/	/	23.08	/	/	<=33	Pass
		Inner_Full	23.03	/	/	23.03	/	/	<=33	Pass
		Inner_1RB_Left	22.92	/	/	22.92	/	/	<=33	Pass
		Inner_1RB_Right	23.11	/	/	23.11	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.19	/	/	22.19	/	/	<=33	Pass
		Edge_1RB_Right	22.19	/	/	22.19	/	/	<=33	Pass
		Outer_Full	23.36	/	/	23.36	/	/	<=33	Pass
		Inner_Full	23.31	/	/	23.31	/	/	<=33	Pass
		Inner_1RB_Left	23.24	/	/	23.24	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	23.22	/	/	<=33	Pass
CP-OFDM QPSK	2580	Edge_1RB_Left	23.44	/	/	23.44	/	/	<=33	Pass
		Edge_1RB_Right	23.38	/	/	23.38	/	/	<=33	Pass
		Outer_Full	24.28	/	/	24.28	/	/	<=33	Pass
		Inner_Full	24.80	/	/	24.80	/	/	<=33	Pass
		Inner_1RB_Left	24.65	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Right	24.65	/	/	24.65	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.25	/	/	23.25	/	/	<=33	Pass
		Edge_1RB_Right	23.49	/	/	23.49	/	/	<=33	Pass
		Outer_Full	24.12	/	/	24.12	/	/	<=33	Pass
		Inner_Full	24.67	/	/	24.67	/	/	<=33	Pass
		Inner_1RB_Left	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Right	24.69	/	/	24.69	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.47	/	/	23.47	/	/	<=33	Pass
		Edge_1RB_Right	23.52	/	/	23.52	/	/	<=33	Pass
		Outer_Full	24.33	/	/	24.33	/	/	<=33	Pass
		Inner_Full	24.93	/	/	24.93	/	/	<=33	Pass
		Inner_1RB_Left	24.85	/	/	24.85	/	/	<=33	Pass
		Inner_1RB_Right	24.97	/	/	24.97	/	/	<=33	Pass
CP-OFDM 16 QAM	2580	Edge_1RB_Left	23.59	/	/	23.59	/	/	<=33	Pass
		Edge_1RB_Right	23.43	/	/	23.43	/	/	<=33	Pass
		Outer_Full	24.27	/	/	24.27	/	/	<=33	Pass
		Inner_Full	24.73	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Left	24.76	/	/	24.76	/	/	<=33	Pass
		Inner_1RB_Right	24.65	/	/	24.65	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.41	/	/	23.41	/	/	<=33	Pass
		Edge_1RB_Right	23.62	/	/	23.62	/	/	<=33	Pass
		Outer_Full	24.11	/	/	24.11	/	/	<=33	Pass
		Inner_Full	24.68	/	/	24.68	/	/	<=33	Pass
		Inner_1RB_Left	24.47	/	/	24.47	/	/	<=33	Pass
		Inner_1RB_Right	24.76	/	/	24.76	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.68	/	/	23.68	/	/	<=33	Pass

		Edge 1RB Right	23.68	/	/	23.68	/	/	<=33	Pass
		Outer_Full	24.34	/	/	24.34	/	/	<=33	Pass
		Inner_Full	24.94	/	/	24.94	/	/	<=33	Pass
		Inner_1RB_Left	24.99	/	/	24.99	/	/	<=33	Pass
		Inner_1RB_Right	24.99	/	/	24.99	/	/	<=33	Pass
CP-OFDM 64 QAM	2580	Edge_1RB_Left	22.98	/	/	22.98	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	22.98	/	/	<=33	Pass
		Outer_Full	24.25	/	/	24.25	/	/	<=33	Pass
		Inner_Full	24.79	/	/	24.79	/	/	<=33	Pass
		Inner_1RB_Left	24.90	/	/	24.90	/	/	<=33	Pass
	2595	Inner_1RB_Right	24.85	/	/	24.85	/	/	<=33	Pass
		Edge_1RB_Left	22.84	/	/	22.84	/	/	<=33	Pass
		Edge_1RB_Right	23.05	/	/	23.05	/	/	<=33	Pass
		Outer_Full	24.13	/	/	24.13	/	/	<=33	Pass
		Inner_Full	24.68	/	/	24.68	/	/	<=33	Pass
	2610	Inner_1RB_Left	24.64	/	/	24.64	/	/	<=33	Pass
		Inner_1RB_Right	24.87	/	/	24.87	/	/	<=33	Pass
		Edge_1RB_Left	23.15	/	/	23.15	/	/	<=33	Pass
		Edge_1RB_Right	23.12	/	/	23.12	/	/	<=33	Pass
		Outer_Full	24.37	/	/	24.37	/	/	<=33	Pass
CP-OFDM 256 QAM	2580	Inner_Full	24.93	/	/	24.93	/	/	<=33	Pass
		Inner_1RB_Left	24.98	/	/	24.98	/	/	<=33	Pass
		Inner_1RB_Right	24.91	/	/	24.91	/	/	<=33	Pass
		Edge_1RB_Left	20.19	/	/	20.19	/	/	<=33	Pass
		Edge_1RB_Right	20.16	/	/	20.16	/	/	<=33	Pass
	2595	Outer_Full	21.80	/	/	21.80	/	/	<=33	Pass
		Inner_Full	21.71	/	/	21.71	/	/	<=33	Pass
		Inner_1RB_Left	21.67	/	/	21.67	/	/	<=33	Pass
		Inner_1RB_Right	21.60	/	/	21.60	/	/	<=33	Pass
		Edge_1RB_Left	20.06	/	/	20.06	/	/	<=33	Pass
	2610	Edge_1RB_Right	20.26	/	/	20.26	/	/	<=33	Pass
		Outer_Full	21.58	/	/	21.58	/	/	<=33	Pass
		Inner_Full	21.60	/	/	21.60	/	/	<=33	Pass
		Inner_1RB_Left	21.53	/	/	21.53	/	/	<=33	Pass
		Inner_1RB_Right	21.70	/	/	21.70	/	/	<=33	Pass
		Edge_1RB_Left	20.31	/	/	20.31	/	/	<=33	Pass
		Edge_1RB_Right	20.35	/	/	20.35	/	/	<=33	Pass
		Outer_Full	21.89	/	/	21.89	/	/	<=33	Pass
		Inner_Full	21.83	/	/	21.83	/	/	<=33	Pass
		Inner_1RB_Left	21.81	/	/	21.81	/	/	<=33	Pass
		Inner_1RB_Right	21.78	/	/	21.78	/	/	<=33	Pass
Note1: Antenna Gain: Ant41: 0.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 30k_SISO_30MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant41	Ant2	Sum	Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2585	Edge 1RB Left	24.65	/	/	24.65	/	/	<=33	Pass
		Edge 1RB Right	24.84	/	/	24.84	/	/	<=33	Pass
		Outer_Full	24.72	/	/	24.72	/	/	<=33	Pass
		Inner_Full	24.59	/	/	24.59	/	/	<=33	Pass
		Inner 1RB Left	24.66	/	/	24.66	/	/	<=33	Pass
	2595	Inner 1RB Right	24.83	/	/	24.83	/	/	<=33	Pass
		Edge 1RB Left	24.60	/	/	24.60	/	/	<=33	Pass
		Edge 1RB Right	24.83	/	/	24.83	/	/	<=33	Pass
		Outer_Full	24.70	/	/	24.70	/	/	<=33	Pass

		Inner_Full	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Left	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	24.89	/	/	24.89	/	/	<=33	Pass
	2605	Edge_1RB_Left	24.74	/	/	24.74	/	/	<=33	Pass
		Edge_1RB_Right	24.85	/	/	24.85	/	/	<=33	Pass
		Outer_Full	24.74	/	/	24.74	/	/	<=33	Pass
		Inner_Full	24.75	/	/	24.75	/	/	<=33	Pass
		Inner_1RB_Left	24.69	/	/	24.69	/	/	<=33	Pass
		Inner_1RB_Right	24.87	/	/	24.87	/	/	<=33	Pass
DFT-s-OFDM QPSK	2585	Edge_1RB_Left	24.68	/	/	24.68	/	/	<=33	Pass
		Edge_1RB_Right	24.84	/	/	24.84	/	/	<=33	Pass
		Outer_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.65	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Right	24.85	/	/	24.85	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.57	/	/	24.57	/	/	<=33	Pass
		Edge_1RB_Right	24.84	/	/	24.84	/	/	<=33	Pass
		Outer_Full	24.71	/	/	24.71	/	/	<=33	Pass
		Inner_Full	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Left	24.65	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Right	24.91	/	/	24.91	/	/	<=33	Pass
	2605	Edge_1RB_Left	24.61	/	/	24.61	/	/	<=33	Pass
		Edge_1RB_Right	24.82	/	/	24.82	/	/	<=33	Pass
		Outer_Full	24.81	/	/	24.81	/	/	<=33	Pass
		Inner_Full	24.78	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Left	24.62	/	/	24.62	/	/	<=33	Pass
		Inner_1RB_Right	24.81	/	/	24.81	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2585	Edge_1RB_Left	24.32	/	/	24.32	/	/	<=33	Pass
		Edge_1RB_Right	24.47	/	/	24.47	/	/	<=33	Pass
		Outer_Full	24.14	/	/	24.14	/	/	<=33	Pass
		Inner_Full	24.65	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Left	24.83	/	/	24.83	/	/	<=33	Pass
		Inner_1RB_Right	24.80	/	/	24.80	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.16	/	/	24.16	/	/	<=33	Pass
		Edge_1RB_Right	24.50	/	/	24.50	/	/	<=33	Pass
		Outer_Full	24.13	/	/	24.13	/	/	<=33	Pass
		Inner_Full	24.60	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Left	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	24.94	/	/	24.94	/	/	<=33	Pass
	2605	Edge_1RB_Left	24.16	/	/	24.16	/	/	<=33	Pass
		Edge_1RB_Right	24.45	/	/	24.45	/	/	<=33	Pass
		Outer_Full	24.44	/	/	24.44	/	/	<=33	Pass
		Inner_Full	24.78	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Left	24.67	/	/	24.67	/	/	<=33	Pass
		Inner_1RB_Right	24.94	/	/	24.94	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2585	Edge_1RB_Left	23.90	/	/	23.90	/	/	<=33	Pass
		Edge_1RB_Right	23.99	/	/	23.99	/	/	<=33	Pass
		Outer_Full	24.18	/	/	24.18	/	/	<=33	Pass
		Inner_Full	24.11	/	/	24.11	/	/	<=33	Pass
		Inner_1RB_Left	24.09	/	/	24.09	/	/	<=33	Pass
		Inner_1RB_Right	24.29	/	/	24.29	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.86	/	/	23.86	/	/	<=33	Pass
		Edge_1RB_Right	24.15	/	/	24.15	/	/	<=33	Pass
		Outer_Full	24.17	/	/	24.17	/	/	<=33	Pass
		Inner_Full	24.10	/	/	24.10	/	/	<=33	Pass
		Inner_1RB_Left	24.21	/	/	24.21	/	/	<=33	Pass
		Inner_1RB_Right	24.43	/	/	24.43	/	/	<=33	Pass
	2605	Edge_1RB_Left	23.79	/	/	23.79	/	/	<=33	Pass
		Edge_1RB_Right	24.01	/	/	24.01	/	/	<=33	Pass

		Outer_Full	24.29	/	/	24.29	/	/	<=33	Pass
		Inner_Full	24.26	/	/	24.26	/	/	<=33	Pass
		Inner_1RB_Left	24.08	/	/	24.08	/	/	<=33	Pass
		Inner_1RB_Right	24.30	/	/	24.30	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2585	Edge_1RB_Left	22.08	/	/	22.08	/	/	<=33	Pass
		Edge_1RB_Right	22.07	/	/	22.07	/	/	<=33	Pass
		Outer_Full	23.09	/	/	23.09	/	/	<=33	Pass
		Inner_Full	23.04	/	/	23.04	/	/	<=33	Pass
		Inner_1RB_Left	23.01	/	/	23.01	/	/	<=33	Pass
		Inner_1RB_Right	23.12	/	/	23.12	/	/	<=33	Pass
		Edge_1RB_Left	22.00	/	/	22.00	/	/	<=33	Pass
		Edge_1RB_Right	22.18	/	/	22.18	/	/	<=33	Pass
	2595	Outer_Full	23.07	/	/	23.07	/	/	<=33	Pass
		Inner_Full	23.03	/	/	23.03	/	/	<=33	Pass
		Inner_1RB_Left	22.98	/	/	22.98	/	/	<=33	Pass
		Inner_1RB_Right	23.24	/	/	23.24	/	/	<=33	Pass
		Edge_1RB_Left	22.00	/	/	22.00	/	/	<=33	Pass
		Edge_1RB_Right	22.18	/	/	22.18	/	/	<=33	Pass
	2605	Outer_Full	23.29	/	/	23.29	/	/	<=33	Pass
		Inner_Full	23.20	/	/	23.20	/	/	<=33	Pass
		Inner_1RB_Left	22.97	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Right	23.26	/	/	23.26	/	/	<=33	Pass
CP-OFDM QPSK	2585	Edge_1RB_Left	23.39	/	/	23.39	/	/	<=33	Pass
		Edge_1RB_Right	23.33	/	/	23.33	/	/	<=33	Pass
		Outer_Full	24.16	/	/	24.16	/	/	<=33	Pass
		Inner_Full	24.59	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Left	24.65	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Right	24.76	/	/	24.76	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.25	/	/	23.25	/	/	<=33	Pass
		Edge_1RB_Right	23.51	/	/	23.51	/	/	<=33	Pass
		Outer_Full	24.17	/	/	24.17	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.82	/	/	24.82	/	/	<=33	Pass
		Inner_1RB_Right	24.87	/	/	24.87	/	/	<=33	Pass
	2605	Edge_1RB_Left	23.29	/	/	23.29	/	/	<=33	Pass
		Edge_1RB_Right	23.46	/	/	23.46	/	/	<=33	Pass
		Outer_Full	24.30	/	/	24.30	/	/	<=33	Pass
		Inner_Full	24.76	/	/	24.76	/	/	<=33	Pass
		Inner_1RB_Left	24.30	/	/	24.30	/	/	<=33	Pass
		Inner_1RB_Right	24.83	/	/	24.83	/	/	<=33	Pass
CP-OFDM 16 QAM	2585	Edge_1RB_Left	23.41	/	/	23.41	/	/	<=33	Pass
		Edge_1RB_Right	23.50	/	/	23.50	/	/	<=33	Pass
		Outer_Full	24.12	/	/	24.12	/	/	<=33	Pass
		Inner_Full	24.55	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	24.72	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Right	24.81	/	/	24.81	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.40	/	/	23.40	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	23.64	/	/	<=33	Pass
		Outer_Full	24.11	/	/	24.11	/	/	<=33	Pass
		Inner_Full	24.54	/	/	24.54	/	/	<=33	Pass
		Inner_1RB_Left	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	24.96	/	/	24.96	/	/	<=33	Pass
	2605	Edge_1RB_Left	23.38	/	/	23.38	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	23.64	/	/	<=33	Pass
		Outer_Full	24.29	/	/	24.29	/	/	<=33	Pass
		Inner_Full	24.77	/	/	24.77	/	/	<=33	Pass
		Inner_1RB_Left	24.68	/	/	24.68	/	/	<=33	Pass
		Inner_1RB_Right	25.01	/	/	25.01	/	/	<=33	Pass
CP-OFDM 64 QAM	2585	Edge_1RB_Left	22.97	/	/	22.97	/	/	<=33	Pass

		Edge_1RB_Right	23.01	/	/	23.01	/	/	<=33	Pass
		Outer_Full	24.12	/	/	24.12	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.96	/	/	24.96	/	/	<=33	Pass
		Inner_1RB_Right	24.88	/	/	24.88	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.90	/	/	22.90	/	/	<=33	Pass
		Edge_1RB_Right	23.12	/	/	23.12	/	/	<=33	Pass
		Outer_Full	24.15	/	/	24.15	/	/	<=33	Pass
		Inner_Full	24.59	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Left	24.73	/	/	24.73	/	/	<=33	Pass
	2605	Inner_1RB_Right	25.01	/	/	25.01	/	/	<=33	Pass
		Edge_1RB_Left	22.95	/	/	22.95	/	/	<=33	Pass
		Edge_1RB_Right	23.17	/	/	23.17	/	/	<=33	Pass
		Outer_Full	24.12	/	/	24.12	/	/	<=33	Pass
		Inner_Full	24.78	/	/	24.78	/	/	<=33	Pass
CP-OFDM 256 QAM	2585	Inner_1RB_Left	24.78	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Right	24.89	/	/	24.89	/	/	<=33	Pass
		Edge_1RB_Left	20.11	/	/	20.11	/	/	<=33	Pass
		Edge_1RB_Right	20.14	/	/	20.14	/	/	<=33	Pass
		Outer_Full	21.67	/	/	21.67	/	/	<=33	Pass
	2595	Inner_Full	21.60	/	/	21.60	/	/	<=33	Pass
		Inner_1RB_Left	21.48	/	/	21.48	/	/	<=33	Pass
		Inner_1RB_Right	21.73	/	/	21.73	/	/	<=33	Pass
		Edge_1RB_Left	20.03	/	/	20.03	/	/	<=33	Pass
		Edge_1RB_Right	20.36	/	/	20.36	/	/	<=33	Pass
	2605	Outer_Full	21.66	/	/	21.66	/	/	<=33	Pass
		Inner_Full	21.60	/	/	21.60	/	/	<=33	Pass
		Inner_1RB_Left	21.50	/	/	21.50	/	/	<=33	Pass
		Inner_1RB_Right	21.82	/	/	21.82	/	/	<=33	Pass
		Edge_1RB_Left	20.02	/	/	20.02	/	/	<=33	Pass
	Edge_1RB_Right	20.21	/	/	20.21	/	/	<=33	Pass	
	Outer_Full	21.68	/	/	21.68	/	/	<=33	Pass	
	Inner_Full	21.80	/	/	21.80	/	/	<=33	Pass	
	Inner_1RB_Left	21.60	/	/	21.60	/	/	<=33	Pass	
	Inner_1RB_Right	21.90	/	/	21.90	/	/	<=33	Pass	
Note1: Antenna Gain: Ant41: 0.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30k_SISO_40MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant41	Ant2	Sum	Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Edge 1RB Left	24.78	/	/	24.78	/	/	<=33	Pass
		Edge 1RB Right	24.90	/	/	24.90	/	/	<=33	Pass
		Outer_Full	24.82	/	/	24.82	/	/	<=33	Pass
		Inner_Full	24.75	/	/	24.75	/	/	<=33	Pass
		Inner 1RB Left	24.82	/	/	24.82	/	/	<=33	Pass
		Inner 1RB Right	24.94	/	/	24.94	/	/	<=33	Pass
	2595	Edge 1RB Left	24.62	/	/	24.62	/	/	<=33	Pass
		Edge 1RB Right	24.87	/	/	24.87	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.73	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner 1RB Left	24.66	/	/	24.66	/	/	<=33	Pass
	2600	Inner 1RB Right	24.89	/	/	24.89	/	/	<=33	Pass
		Edge 1RB Left	24.67	/	/	24.67	/	/	<=33	Pass
		Edge 1RB Right	24.85	/	/	24.85	/	/	<=33	Pass
		Outer_Full	24.80	/	/	24.80	/	/	<=33	Pass

		Inner_Full	24.81	/	/	24.81	/	/	<=33	Pass
		Inner_1RB_Left	24.72	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Right	24.88	/	/	24.88	/	/	<=33	Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	24.75	/	/	24.75	/	/	<=33	Pass
		Edge_1RB_Right	24.91	/	/	24.91	/	/	<=33	Pass
		Outer_Full	24.77	/	/	24.77	/	/	<=33	Pass
		Inner_Full	24.72	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Left	24.78	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Right	24.93	/	/	24.93	/	/	<=33	Pass
		Edge_1RB_Left	24.62	/	/	24.62	/	/	<=33	Pass
	2595	Edge_1RB_Right	24.80	/	/	24.80	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.73	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Right	24.86	/	/	24.86	/	/	<=33	Pass
	2600	Edge_1RB_Left	24.73	/	/	24.73	/	/	<=33	Pass
		Edge_1RB_Right	24.84	/	/	24.84	/	/	<=33	Pass
		Outer_Full	24.83	/	/	24.83	/	/	<=33	Pass
		Inner_Full	24.85	/	/	24.85	/	/	<=33	Pass
		Inner_1RB_Left	24.76	/	/	24.76	/	/	<=33	Pass
		Inner_1RB_Right	24.84	/	/	24.84	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2590	Edge_1RB_Left	24.40	/	/	24.40	/	/	<=33	Pass
		Edge_1RB_Right	24.50	/	/	24.50	/	/	<=33	Pass
		Outer_Full	24.27	/	/	24.27	/	/	<=33	Pass
		Inner_Full	24.71	/	/	24.71	/	/	<=33	Pass
		Inner_1RB_Left	24.95	/	/	24.95	/	/	<=33	Pass
		Inner_1RB_Right	25.03	/	/	25.03	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.15	/	/	24.15	/	/	<=33	Pass
		Edge_1RB_Right	24.38	/	/	24.38	/	/	<=33	Pass
		Outer_Full	24.11	/	/	24.11	/	/	<=33	Pass
		Inner_Full	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	24.77	/	/	24.77	/	/	<=33	Pass
	2600	Inner_1RB_Right	24.99	/	/	24.99	/	/	<=33	Pass
		Edge_1RB_Left	24.27	/	/	24.27	/	/	<=33	Pass
		Edge_1RB_Right	24.43	/	/	24.43	/	/	<=33	Pass
		Outer_Full	24.19	/	/	24.19	/	/	<=33	Pass
		Inner_Full	24.86	/	/	24.86	/	/	<=33	Pass
		Inner_1RB_Left	24.89	/	/	24.89	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2590	Inner_1RB_Right	24.97	/	/	24.97	/	/	<=33	Pass
		Edge_1RB_Left	24.02	/	/	24.02	/	/	<=33	Pass
		Edge_1RB_Right	24.19	/	/	24.19	/	/	<=33	Pass
		Outer_Full	24.26	/	/	24.26	/	/	<=33	Pass
		Inner_Full	24.24	/	/	24.24	/	/	<=33	Pass
		Inner_1RB_Left	24.34	/	/	24.34	/	/	<=33	Pass
	2595	Inner_1RB_Right	24.45	/	/	24.45	/	/	<=33	Pass
		Edge_1RB_Left	23.76	/	/	23.76	/	/	<=33	Pass
		Edge_1RB_Right	24.13	/	/	24.13	/	/	<=33	Pass
		Outer_Full	24.13	/	/	24.13	/	/	<=33	Pass
		Inner_Full	24.13	/	/	24.13	/	/	<=33	Pass
		Inner_1RB_Left	24.13	/	/	24.13	/	/	<=33	Pass
	2600	Inner_1RB_Right	24.38	/	/	24.38	/	/	<=33	Pass
		Edge_1RB_Left	23.99	/	/	23.99	/	/	<=33	Pass
		Edge_1RB_Right	24.14	/	/	24.14	/	/	<=33	Pass
		Outer_Full	24.27	/	/	24.27	/	/	<=33	Pass
		Inner_Full	24.28	/	/	24.28	/	/	<=33	Pass
		Inner_1RB_Left	24.07	/	/	24.07	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2590	Inner_1RB_Right	24.45	/	/	24.45	/	/	<=33	Pass
		Edge_1RB_Left	22.13	/	/	22.13	/	/	<=33	Pass
		Edge_1RB_Right	22.33	/	/	22.33	/	/	<=33	Pass

		Outer_Full	23.22	/	/	23.22	/	/	<=33	Pass
		Inner_Full	23.16	/	/	23.16	/	/	<=33	Pass
		Inner_1RB_Left	23.12	/	/	23.12	/	/	<=33	Pass
		Inner_1RB_Right	23.28	/	/	23.28	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.03	/	/	22.03	/	/	<=33	Pass
		Edge_1RB_Right	22.16	/	/	22.16	/	/	<=33	Pass
		Outer_Full	23.10	/	/	23.10	/	/	<=33	Pass
		Inner_Full	23.10	/	/	23.10	/	/	<=33	Pass
		Inner_1RB_Left	22.99	/	/	22.99	/	/	<=33	Pass
		Inner_1RB_Right	23.24	/	/	23.24	/	/	<=33	Pass
	2600	Edge_1RB_Left	22.09	/	/	22.09	/	/	<=33	Pass
		Edge_1RB_Right	22.34	/	/	22.34	/	/	<=33	Pass
		Outer_Full	23.25	/	/	23.25	/	/	<=33	Pass
		Inner_Full	23.21	/	/	23.21	/	/	<=33	Pass
		Inner_1RB_Left	23.17	/	/	23.17	/	/	<=33	Pass
		Inner_1RB_Right	23.31	/	/	23.31	/	/	<=33	Pass
CP-OFDM QPSK	2590	Edge_1RB_Left	23.46	/	/	23.46	/	/	<=33	Pass
		Edge_1RB_Right	23.53	/	/	23.53	/	/	<=33	Pass
		Outer_Full	24.22	/	/	24.22	/	/	<=33	Pass
		Inner_Full	24.72	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Left	24.75	/	/	24.75	/	/	<=33	Pass
		Inner_1RB_Right	24.92	/	/	24.92	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.29	/	/	23.29	/	/	<=33	Pass
		Edge_1RB_Right	23.48	/	/	23.48	/	/	<=33	Pass
		Outer_Full	24.20	/	/	24.20	/	/	<=33	Pass
		Inner_Full	24.63	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Left	24.61	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Right	24.74	/	/	24.74	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.41	/	/	23.41	/	/	<=33	Pass
		Edge_1RB_Right	23.54	/	/	23.54	/	/	<=33	Pass
		Outer_Full	24.30	/	/	24.30	/	/	<=33	Pass
		Inner_Full	24.74	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Left	24.93	/	/	24.93	/	/	<=33	Pass
		Inner_1RB_Right	24.91	/	/	24.91	/	/	<=33	Pass
CP-OFDM 16 QAM	2590	Edge_1RB_Left	23.56	/	/	23.56	/	/	<=33	Pass
		Edge_1RB_Right	23.72	/	/	23.72	/	/	<=33	Pass
		Outer_Full	24.28	/	/	24.28	/	/	<=33	Pass
		Inner_Full	24.75	/	/	24.75	/	/	<=33	Pass
		Inner_1RB_Left	24.94	/	/	24.94	/	/	<=33	Pass
		Inner_1RB_Right	24.92	/	/	24.92	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.44	/	/	23.44	/	/	<=33	Pass
		Edge_1RB_Right	23.50	/	/	23.50	/	/	<=33	Pass
		Outer_Full	24.16	/	/	24.16	/	/	<=33	Pass
		Inner_Full	24.65	/	/	24.65	/	/	<=33	Pass
		Inner_1RB_Left	24.77	/	/	24.77	/	/	<=33	Pass
		Inner_1RB_Right	24.78	/	/	24.78	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.39	/	/	23.39	/	/	<=33	Pass
		Edge_1RB_Right	23.67	/	/	23.67	/	/	<=33	Pass
		Outer_Full	24.24	/	/	24.24	/	/	<=33	Pass
		Inner_Full	24.72	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Left	24.72	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Right	24.85	/	/	24.85	/	/	<=33	Pass
CP-OFDM 64 QAM	2590	Edge_1RB_Left	23.08	/	/	23.08	/	/	<=33	Pass
		Edge_1RB_Right	23.21	/	/	23.21	/	/	<=33	Pass
		Outer_Full	24.27	/	/	24.27	/	/	<=33	Pass
		Inner_Full	24.74	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Left	25.04	/	/	25.04	/	/	<=33	Pass
		Inner_1RB_Right	25.02	/	/	25.02	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.96	/	/	22.96	/	/	<=33	Pass

		Edge 1RB Right	23.08	/	/	23.08	/	/	<=33	Pass
		Outer_Full	24.19	/	/	24.19	/	/	<=33	Pass
		Inner_Full	24.60	/	/	24.60	/	/	<=33	Pass
		Inner_1RB Left	24.85	/	/	24.85	/	/	<=33	Pass
		Inner_1RB Right	25.03	/	/	25.03	/	/	<=33	Pass
	2600	Edge_1RB Left	22.95	/	/	22.95	/	/	<=33	Pass
		Edge_1RB Right	23.22	/	/	23.22	/	/	<=33	Pass
		Outer_Full	24.30	/	/	24.30	/	/	<=33	Pass
		Inner_Full	24.78	/	/	24.78	/	/	<=33	Pass
		Inner_1RB Left	24.74	/	/	24.74	/	/	<=33	Pass
		Inner_1RB Right	24.92	/	/	24.92	/	/	<=33	Pass
	CP-OFDM 256 QAM	2590	Edge_1RB Left	20.27	/	/	20.27	/	/	<=33
Edge_1RB Right			20.37	/	/	20.37	/	/	<=33	Pass
Outer_Full			21.78	/	/	21.78	/	/	<=33	Pass
Inner_Full			21.71	/	/	21.71	/	/	<=33	Pass
Inner_1RB Left			21.60	/	/	21.60	/	/	<=33	Pass
Inner_1RB Right			21.93	/	/	21.93	/	/	<=33	Pass
2595		Edge_1RB Left	20.07	/	/	20.07	/	/	<=33	Pass
		Edge_1RB Right	20.26	/	/	20.26	/	/	<=33	Pass
		Outer_Full	21.73	/	/	21.73	/	/	<=33	Pass
		Inner_Full	21.60	/	/	21.60	/	/	<=33	Pass
		Inner_1RB Left	21.63	/	/	21.63	/	/	<=33	Pass
		Inner_1RB Right	21.92	/	/	21.92	/	/	<=33	Pass
2600		Edge_1RB Left	20.14	/	/	20.14	/	/	<=33	Pass
		Edge_1RB Right	20.39	/	/	20.39	/	/	<=33	Pass
		Outer_Full	21.74	/	/	21.74	/	/	<=33	Pass
		Inner_Full	21.74	/	/	21.74	/	/	<=33	Pass
		Inner_1RB Left	21.75	/	/	21.75	/	/	<=33	Pass
		Inner_1RB Right	21.86	/	/	21.86	/	/	<=33	Pass
Note1: Antenna Gain: Ant41: 0.00dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_10MHz

5G NR n38 SCS=30kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	5.10	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	8.30	0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
				HV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass

			0	NV	2.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.70	0.0026	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.20	0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.60	0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.20	0.0028	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-4.70	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.90	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.60	0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-14.70	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-16.00	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-5.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	10.50	0.0040	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.00	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	16.40	0.0063	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.50	0.0040	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.70	0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	12.20	0.0047	≥ -2.5 & ≤ 2.5	Pass
				HV	6.70	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.10	0.0031	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.10	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	13.80	0.0053	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.60	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	16.60	0.0064	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.20	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.90	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-14.40	-0.0055	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	12.20	0.0047	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.80	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.60	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	18.50	0.0071	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.90	0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.60	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.30	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.10	0.0020	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-5.30	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.50	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.90	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			0	NV	9.40	0.0036	≥ -2.5 & ≤ 2.5	Pass
			10	NV	7.90	0.0030	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.20	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.90	0.0003	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM 64 QAM	2595	Outer_Full	40	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	11.10	0.0043	>=-2.5 & <=2.5	Pass
			20	LV	8.70	0.0034	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	11.00	0.0042	>=-2.5 & <=2.5	Pass
			0	NV	8.70	0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	12.30	0.0047	>=-2.5 & <=2.5	Pass
			40	NV	8.50	0.0033	>=-2.5 & <=2.5	Pass
			50	NV	8.50	0.0033	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	9.60	0.0037	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass

2.1.2 30k_SISO_15MHz

5G NR n38 SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	13.40	0.0052	>=-2.5 & <=2.5	Pass
			-10	NV	14.50	0.0056	>=-2.5 & <=2.5	Pass
			0	NV	8.70	0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	8.30	0.0032	>=-2.5 & <=2.5	Pass
			40	NV	6.20	0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	10.50	0.0040	>=-2.5 & <=2.5	Pass
				HV	8.30	0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	10.50	0.0040	>=-2.5 & <=2.5	Pass
			0	NV	20.10	0.0077	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	9.60	0.0037	>=-2.5 & <=2.5	Pass
			30	NV	9.90	0.0038	>=-2.5 & <=2.5	Pass
			40	NV	2.90	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	4.20	0.0016	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass

			0	NV	-10.30	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.40	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	9.80	0.0038	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.30	0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	23.20	0.0089	≥ -2.5 & ≤ 2.5	Pass
				HV	11.10	0.0043	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.10	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.80	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.70	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			50	NV	10.90	0.0042	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.70	0.0034	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	15.70	0.0061	≥ -2.5 & ≤ 2.5	Pass
			0	NV	12.10	0.0047	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-11.70	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.90	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			50	NV	9.70	0.0037	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-6.90	-0.0027	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.00	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.20	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.50	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.20	0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			50	NV	10.10	0.0039	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	4.00	0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	4.00	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	10.40	0.0040	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.80	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.50	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.80	0.0026	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	17.30	0.0067	≥ -2.5 & ≤ 2.5	Pass
				HV	8.00	0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	10.20	0.0039	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	14.40	0.0055	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.90	0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	10.30	0.0040	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	25.40	0.0098	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.50	0.0017	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM 256 QAM	2595	Outer_Full	40	NV	5.60	0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			20	LV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	8.20	0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	6.60	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass

2.1.3 30k_SISO_20MHz

5G NR n38 SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	10.20	0.0039	>=-2.5 & <=2.5	Pass
				HV	5.30	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	14.30	0.0055	>=-2.5 & <=2.5	Pass
			-20	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	12.40	0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	12.20	0.0047	>=-2.5 & <=2.5	Pass
			20	NV	5.00	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	1.50	0.0006	>=-2.5 & <=2.5	Pass
				HV	3.30	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	12.50	0.0048	>=-2.5 & <=2.5	Pass
			-20	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	8.40	0.0032	>=-2.5 & <=2.5	Pass
			20	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	5.40	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	10.50	0.0040	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	7.70	0.0030	>=-2.5 & <=2.5	Pass
			0	NV	15.60	0.0060	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-14.20	-0.0055	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	3.20	0.0012	>=-2.5 & <=2.5	Pass
				HV	5.10	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	11.30	0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	13.70	0.0053	>=-2.5 & <=2.5	Pass
			-10	NV	7.80	0.0030	>=-2.5 & <=2.5	Pass

			0	NV	-5.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	5.90	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	17.00	0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	6.60	0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-9.90	-0.0038	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	10.00	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	10.10	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	3.00	0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-11.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	6.40	0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.30	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	7.00	0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	8.30	0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-11.00	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	8.80	0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	7.10	0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	7.90	0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	8.80	0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	4.00	0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.10	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	4.70	0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	2.70	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	5.90	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-0.70	-0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	12.90	0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	7.70	0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.80	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	2.40	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	2.10	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	8.80	0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.80	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	2.90	0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	15.20	0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.80	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-9.00	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	6.70	0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-2.60	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	7.70	0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	9.20	0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.20	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	12.50	0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	8.70	0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-11.40	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.30	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.40	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	3.30	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	12.10	0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.10	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.30	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	7.10	0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	5.70	0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	7.30	0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.60	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.20	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	15.20	0.0059	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	5.60	0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-13.30	-0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-10.10	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			40	NV	15.50	0.0060	>=-2.5 & <=2.5	Pass
			50	NV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass

2.1.4 30k_SISO_30MHz

5G NR n38 SCS=30kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	20	LV	3.20	0.0012	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	1.30	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	7.30	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	8.90	0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	5.50	0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	4.00	0.0015	>=-2.5 & <=2.5	Pass
				HV	8.10	0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	7.30	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	12.20	0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	14.00	0.0054	>=-2.5 & <=2.5	Pass
			40	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	10.60	0.0041	>=-2.5 & <=2.5	Pass
			-10	NV	5.20	0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-14.40	-0.0055	>=-2.5 & <=2.5	Pass
			30	NV	10.80	0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	8.40	0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	10.90	0.0042	>=-2.5 & <=2.5	Pass
				HV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	5.40	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	1.50	0.0006	>=-2.5 & <=2.5	Pass
			0	NV	11.10	0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			20	NV	6.10	0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	5.60	0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	8.10	0.0031	>=-2.5 & <=2.5	Pass
				HV	6.20	0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	11.40	0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass

			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	9.00	0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
				HV	5.90	0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-11.80	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	9.30	0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	7.30	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	8.00	0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	6.30	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	50	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			20	LV	7.60	0.0029	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	7.90	0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	8.80	0.0034	>=-2.5 & <=2.5	Pass
			10	NV	10.20	0.0039	>=-2.5 & <=2.5	Pass
			20	NV	9.90	0.0038	>=-2.5 & <=2.5	Pass
			30	NV	5.40	0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	40	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	LV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
				HV	13.10	0.0050	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	9.70	0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-14.00	-0.0054	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	30	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	7.00	0.0027	>=-2.5 & <=2.5	Pass
			20	LV	14.50	0.0056	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	6.20	0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	4.90	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	12.90	0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	9.90	0.0038	>=-2.5 & <=2.5	Pass

2.1.5 30k_SISO_40MHz

5G NR n38 SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2	2595	Outer_Full	20	LV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass

BPSK				HV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	5.20	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	10.30	0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	7.30	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	9.70	0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	9.70	0.0037	>=-2.5 & <=2.5	Pass
			30	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			40	NV	3.40	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	14.00	0.0054	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	10.40	0.0040	>=-2.5 & <=2.5	Pass
				HV	8.70	0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	7.90	0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	10.20	0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	13.70	0.0053	>=-2.5 & <=2.5	Pass
			0	NV	15.30	0.0059	>=-2.5 & <=2.5	Pass
			10	NV	12.70	0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	13.50	0.0052	>=-2.5 & <=2.5	Pass
			40	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	11.30	0.0044	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	8.10	0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	9.00	0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	9.40	0.0036	>=-2.5 & <=2.5	Pass
			10	NV	2.00	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	5.80	0.0022	>=-2.5 & <=2.5	Pass
			30	NV	10.70	0.0041	>=-2.5 & <=2.5	Pass
			40	NV	9.80	0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	13.10	0.0050	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	8.90	0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	6.50	0.0025	>=-2.5 & <=2.5	Pass
			30	NV	8.80	0.0034	>=-2.5 & <=2.5	Pass
			40	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-12.70	-0.0049	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	9.10	0.0035	>=-2.5 & <=2.5	Pass
				HV	6.60	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	5.80	0.0022	>=-2.5 & <=2.5	Pass

			0	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	4.90	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	11.10	0.0043	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	18.30	0.0071	>=-2.5 & <=2.5	Pass
			-20	NV	15.70	0.0061	>=-2.5 & <=2.5	Pass
			-10	NV	7.80	0.0030	>=-2.5 & <=2.5	Pass
			0	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	13.60	0.0052	>=-2.5 & <=2.5	Pass
			20	NV	15.90	0.0061	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	12.00	0.0046	>=-2.5 & <=2.5	Pass
			50	NV	2.60	0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	6.80	0.0026	>=-2.5 & <=2.5	Pass
				HV	10.90	0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	7.50	0.0029	>=-2.5 & <=2.5	Pass
			10	NV	8.70	0.0034	>=-2.5 & <=2.5	Pass
			20	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	5.50	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	4.80	0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	5.20	0.0020	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	6.60	0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	7.80	0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	9.70	0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	8.20	0.0032	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n38 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2575	Outer_Full	8.73	10.36	/	Pass
	2595	Outer_Full	8.76	10.26	/	Pass
	2615	Outer_Full	8.73	10.26	/	Pass
DFT-s-OFDM QPSK	2575	Outer_Full	8.75	10.26	/	Pass
	2595	Outer_Full	8.79	10.45	/	Pass
	2615	Outer_Full	8.69	10.31	/	Pass
DFT-s-OFDM 16 QAM	2575	Outer_Full	8.76	10.23	/	Pass
	2595	Outer_Full	8.74	10.27	/	Pass

DFT-s-OFDM 64 QAM	2615	Outer_Full	8.74	10.10	/	Pass
	2575	Outer_Full	8.71	10.25	/	Pass
	2595	Outer_Full	8.74	10.29	/	Pass
	2615	Outer_Full	8.70	10.14	/	Pass
DFT-s-OFDM 256 QAM	2575	Outer_Full	8.77	10.52	/	Pass
	2595	Outer_Full	8.72	10.05	/	Pass
	2615	Outer_Full	8.73	10.49	/	Pass
CP-OFDM QPSK	2575	Outer_Full	8.81	10.38	/	Pass
	2595	Outer_Full	8.76	10.35	/	Pass
	2615	Outer_Full	8.74	10.22	/	Pass
CP-OFDM 16 QAM	2575	Outer_Full	8.76	10.41	/	Pass
	2595	Outer_Full	8.76	10.23	/	Pass
	2615	Outer_Full	8.75	10.28	/	Pass
CP-OFDM 64 QAM	2575	Outer_Full	8.74	10.41	/	Pass
	2595	Outer_Full	8.77	10.20	/	Pass
	2615	Outer_Full	8.74	10.24	/	Pass
CP-OFDM 256 QAM	2575	Outer_Full	8.73	10.12	/	Pass
	2595	Outer_Full	8.72	10.27	/	Pass
	2615	Outer_Full	8.73	10.22	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n38 SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2577.5	Outer_Full	13.09	14.81	/	Pass
	2595	Outer_Full	13.08	14.91	/	Pass
	2612.5	Outer_Full	13.11	14.78	/	Pass
DFT-s-OFDM QPSK	2577.5	Outer_Full	13.07	14.62	/	Pass
	2595	Outer_Full	13.12	14.91	/	Pass
	2612.5	Outer_Full	13.09	14.94	/	Pass
DFT-s-OFDM 16 QAM	2577.5	Outer_Full	13.12	14.84	/	Pass
	2595	Outer_Full	13.16	14.87	/	Pass
	2612.5	Outer_Full	13.09	14.72	/	Pass
DFT-s-OFDM 64 QAM	2577.5	Outer_Full	13.10	14.98	/	Pass
	2595	Outer_Full	13.12	14.80	/	Pass
	2612.5	Outer_Full	13.13	14.82	/	Pass
DFT-s-OFDM 256 QAM	2577.5	Outer_Full	13.09	14.82	/	Pass
	2595	Outer_Full	13.08	14.74	/	Pass
	2612.5	Outer_Full	13.06	14.64	/	Pass
CP-OFDM QPSK	2577.5	Outer_Full	13.80	15.47	/	Pass
	2595	Outer_Full	13.87	15.59	/	Pass
	2612.5	Outer_Full	13.77	15.50	/	Pass
CP-OFDM 16 QAM	2577.5	Outer_Full	13.83	16.09	/	Pass
	2595	Outer_Full	13.85	15.66	/	Pass
	2612.5	Outer_Full	13.77	15.51	/	Pass
CP-OFDM 64 QAM	2577.5	Outer_Full	13.81	15.36	/	Pass
	2595	Outer_Full	13.86	15.60	/	Pass
	2612.5	Outer_Full	13.81	15.58	/	Pass
CP-OFDM 256 QAM	2577.5	Outer_Full	13.82	15.65	/	Pass
	2595	Outer_Full	13.77	15.48	/	Pass
	2612.5	Outer_Full	13.76	15.37	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n38 SCS=30kHz SISO 20MHz NTN

Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2580	Outer_Full	18.13	19.82	/	Pass
	2595	Outer_Full	18.12	19.87	/	Pass
	2610	Outer_Full	18.12	20.03	/	Pass
DFT-s-OFDM QPSK	2580	Outer_Full	18.14	19.98	/	Pass
	2595	Outer_Full	18.17	19.78	/	Pass
	2610	Outer_Full	18.15	20.07	/	Pass
DFT-s-OFDM 16 QAM	2580	Outer_Full	18.23	20.25	/	Pass
	2595	Outer_Full	18.17	20.26	/	Pass
	2610	Outer_Full	18.25	20.21	/	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	18.22	19.91	/	Pass
	2595	Outer_Full	18.24	20.03	/	Pass
	2610	Outer_Full	18.15	20.03	/	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	18.13	20.03	/	Pass
	2595	Outer_Full	18.12	20.15	/	Pass
	2610	Outer_Full	18.14	19.93	/	Pass
CP-OFDM QPSK	2580	Outer_Full	18.53	20.29	/	Pass
	2595	Outer_Full	18.51	20.48	/	Pass
	2610	Outer_Full	18.47	20.29	/	Pass
CP-OFDM 16 QAM	2580	Outer_Full	18.55	25.23	/	Pass
	2595	Outer_Full	18.55	20.27	/	Pass
	2610	Outer_Full	18.49	20.48	/	Pass
CP-OFDM 64 QAM	2580	Outer_Full	18.45	20.39	/	Pass
	2595	Outer_Full	18.44	20.45	/	Pass
	2610	Outer_Full	18.42	20.37	/	Pass
CP-OFDM 256 QAM	2580	Outer_Full	18.45	20.29	/	Pass
	2595	Outer_Full	18.45	20.47	/	Pass
	2610	Outer_Full	18.45	20.37	/	Pass

3.1.4 30k_SISO_30MHz_NTNV

5G NR n38 SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2585	Outer_Full	27.12	29.55	/	Pass
	2595	Outer_Full	27.13	29.20	/	Pass
	2605	Outer_Full	27.13	29.55	/	Pass
DFT-s-OFDM QPSK	2585	Outer_Full	27.18	29.60	/	Pass
	2595	Outer_Full	27.30	29.55	/	Pass
	2605	Outer_Full	27.10	29.56	/	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	27.23	29.41	/	Pass
	2595	Outer_Full	27.21	29.42	/	Pass
	2605	Outer_Full	27.21	29.58	/	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	27.16	29.37	/	Pass
	2595	Outer_Full	27.16	29.61	/	Pass
	2605	Outer_Full	27.18	29.63	/	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	27.21	29.48	/	Pass
	2595	Outer_Full	27.16	29.43	/	Pass
	2605	Outer_Full	27.21	29.40	/	Pass
CP-OFDM QPSK	2585	Outer_Full	28.14	30.58	/	Pass
	2595	Outer_Full	28.23	30.81	/	Pass
	2605	Outer_Full	28.13	30.52	/	Pass
CP-OFDM 16 QAM	2585	Outer_Full	28.27	33.22	/	Pass
	2595	Outer_Full	28.25	31.06	/	Pass
	2605	Outer_Full	28.22	31.32	/	Pass
CP-OFDM 64 QAM	2585	Outer_Full	28.32	34.10	/	Pass
	2595	Outer_Full	28.23	34.41	/	Pass

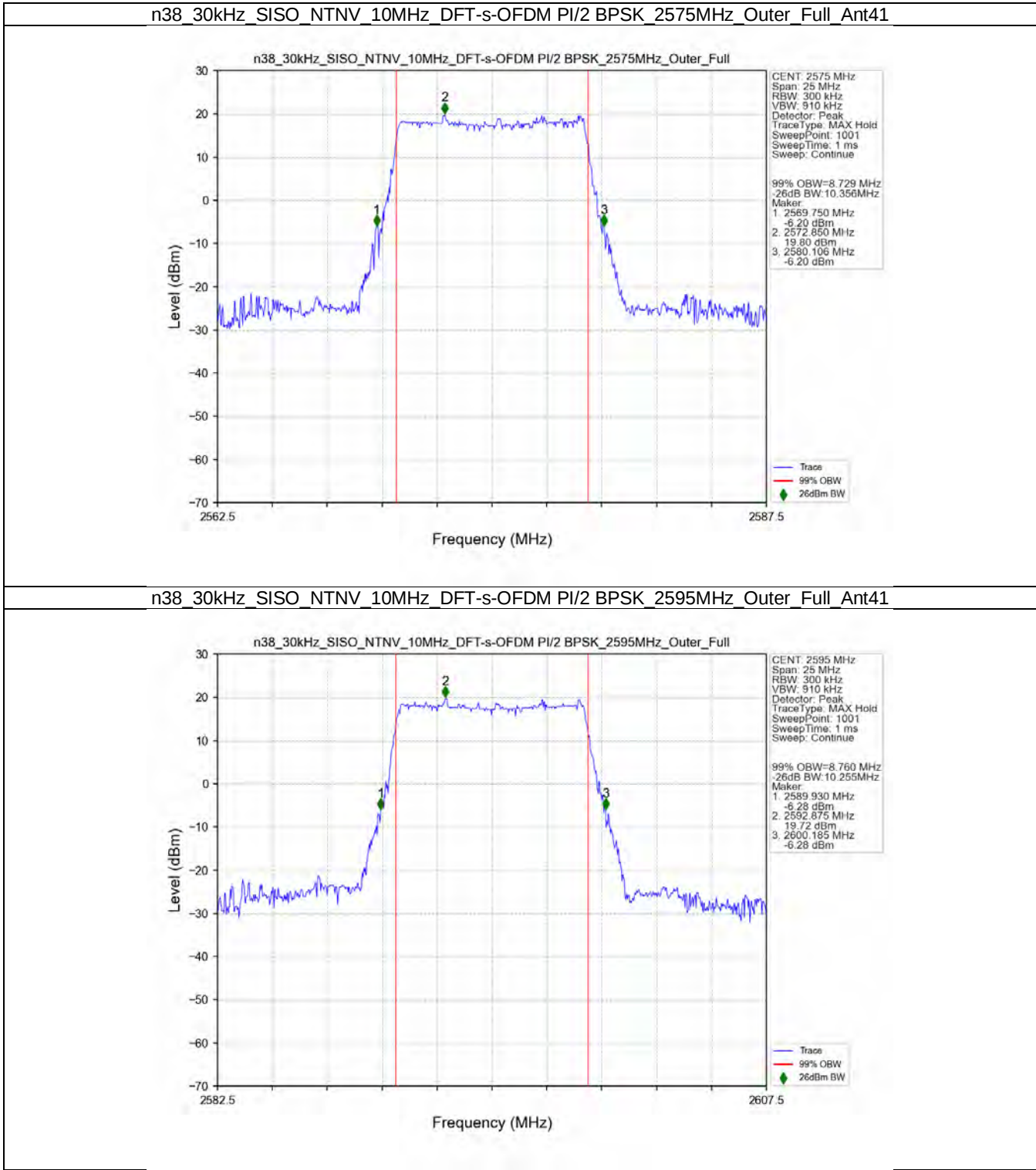
CP-OFDM 256 QAM	2605	Outer_Full	28.23	33.20	/	Pass
	2585	Outer_Full	28.16	30.54	/	Pass
	2595	Outer_Full	28.15	30.48	/	Pass
	2605	Outer_Full	28.18	30.37	/	Pass

3.1.5 30k_SISO_40MHz_NTNV

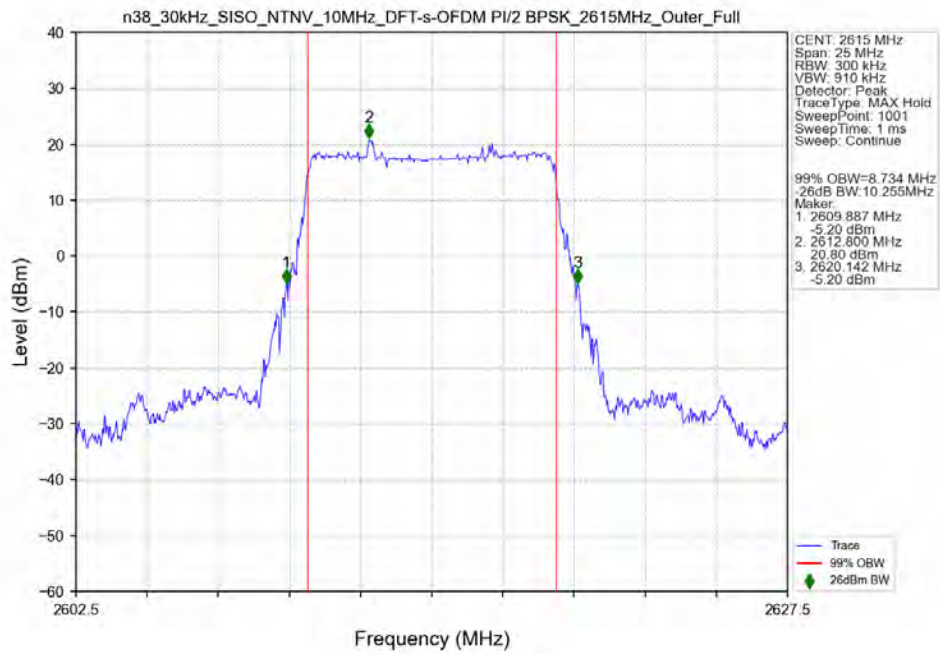
5G NR n38 SCS=30kHz SISO 40MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2590	Outer_Full	36.08	38.59	/	Pass
	2595	Outer_Full	36.20	38.84	/	Pass
	2600	Outer_Full	36.15	38.79	/	Pass
DFT-s-OFDM QPSK	2590	Outer_Full	36.07	39.10	/	Pass
	2595	Outer_Full	36.12	38.71	/	Pass
	2600	Outer_Full	36.12	39.08	/	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	36.05	38.89	/	Pass
	2595	Outer_Full	36.03	38.75	/	Pass
	2600	Outer_Full	36.06	38.79	/	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	36.29	38.86	/	Pass
	2595	Outer_Full	36.30	38.92	/	Pass
	2600	Outer_Full	36.19	38.73	/	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	36.07	38.99	/	Pass
	2595	Outer_Full	36.03	38.99	/	Pass
	2600	Outer_Full	36.03	38.85	/	Pass
CP-OFDM QPSK	2590	Outer_Full	38.23	41.08	/	Pass
	2595	Outer_Full	38.22	41.13	/	Pass
	2600	Outer_Full	38.29	41.11	/	Pass
CP-OFDM 16 QAM	2590	Outer_Full	38.54	41.07	/	Pass
	2595	Outer_Full	38.41	41.07	/	Pass
	2600	Outer_Full	38.38	41.11	/	Pass
CP-OFDM 64 QAM	2590	Outer_Full	38.22	41.04	/	Pass
	2595	Outer_Full	38.18	40.93	/	Pass
	2600	Outer_Full	38.18	41.03	/	Pass
CP-OFDM 256 QAM	2590	Outer_Full	38.18	41.20	/	Pass
	2595	Outer_Full	38.21	40.94	/	Pass
	2600	Outer_Full	38.21	41.20	/	Pass

3.2 Test Graph

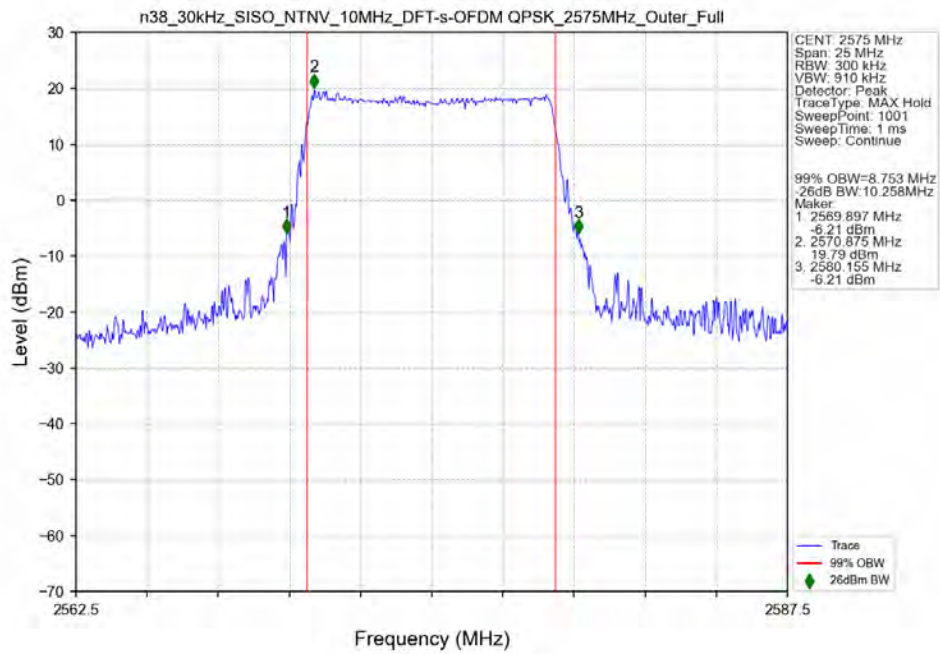
3.2.1 30k_SISO_10MHz_NTNV



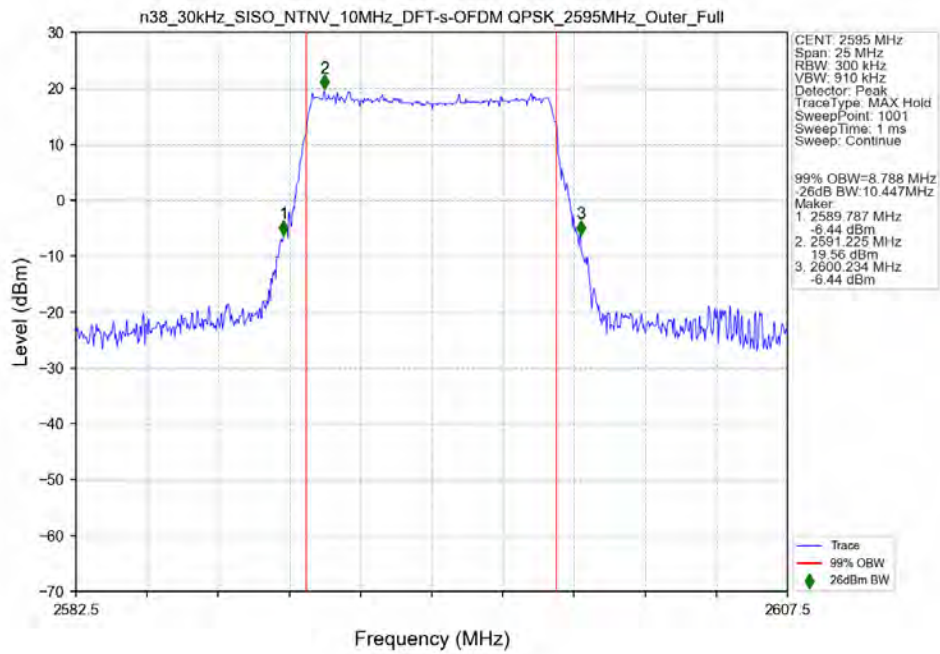
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2615MHz_Outer_Full_Ant41



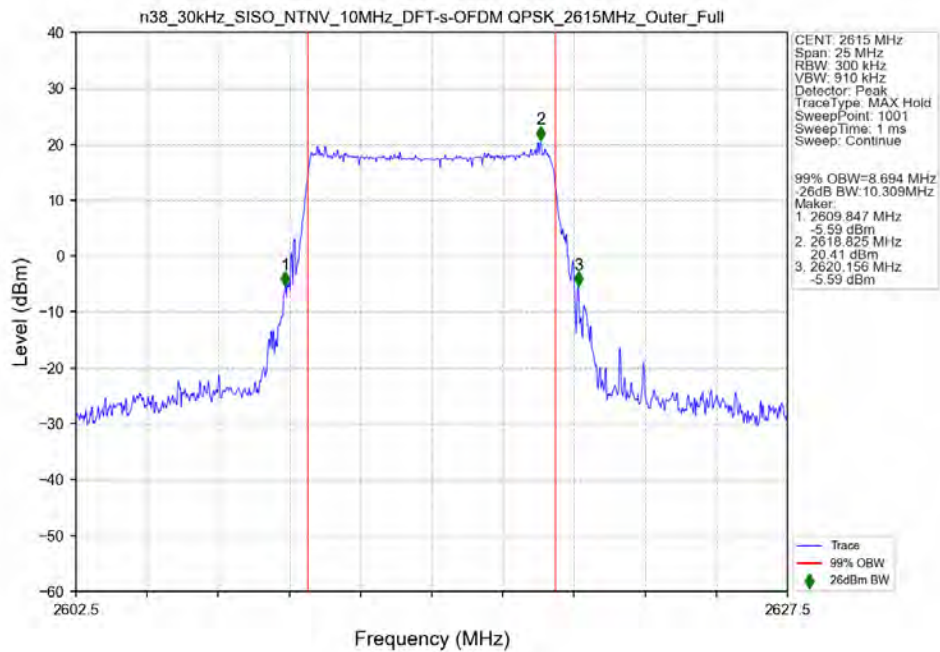
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2575MHz_Outer_Full_Ant41



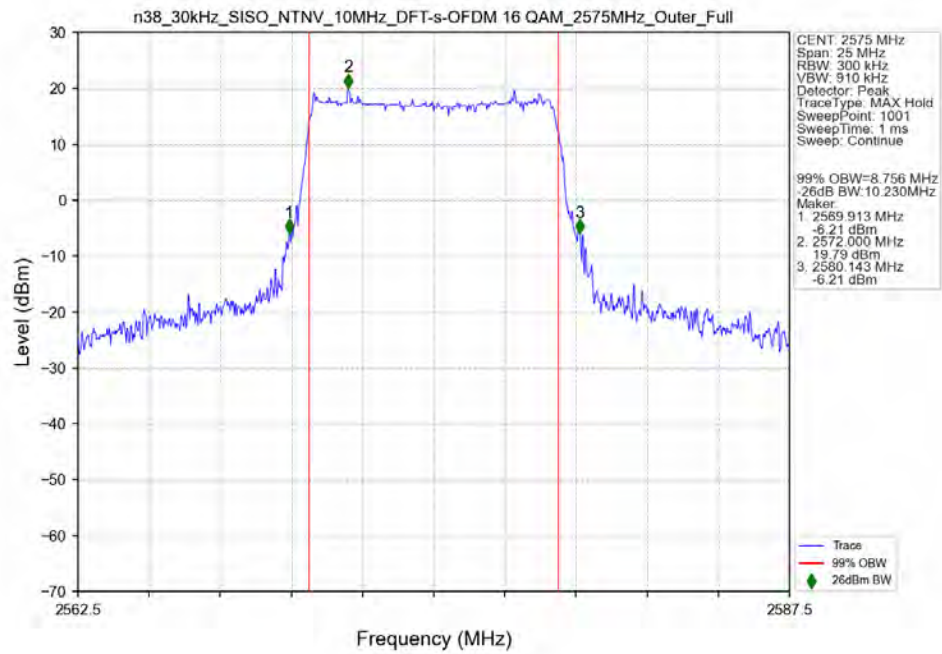
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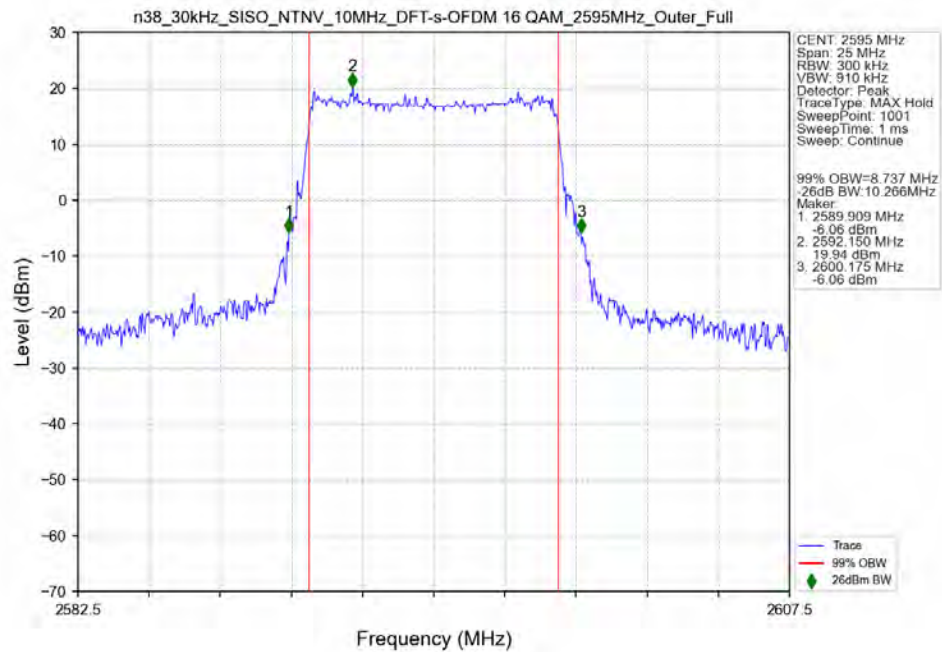
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2615MHz_Outer_Full_Ant41



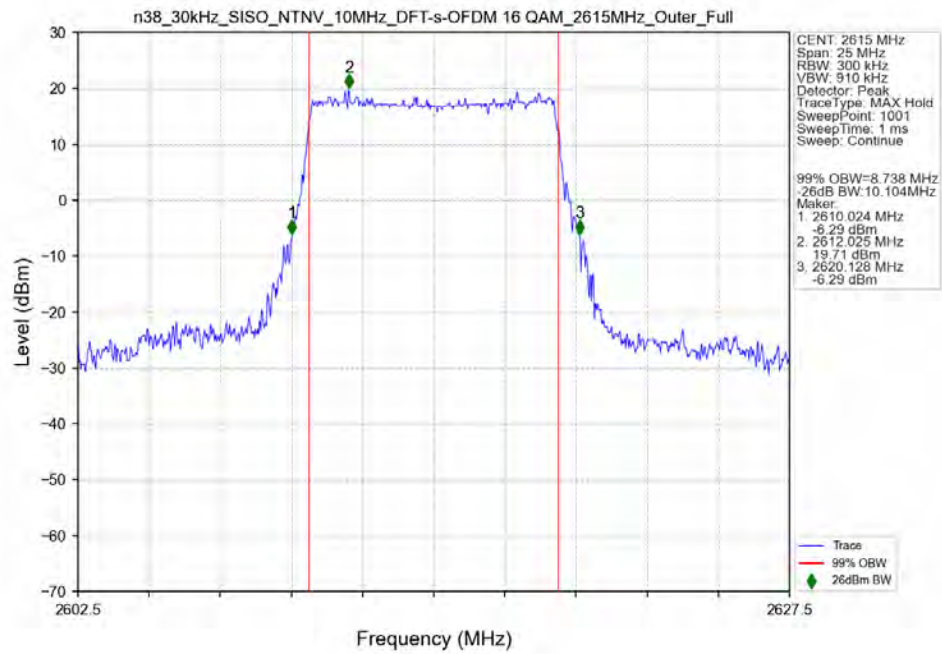
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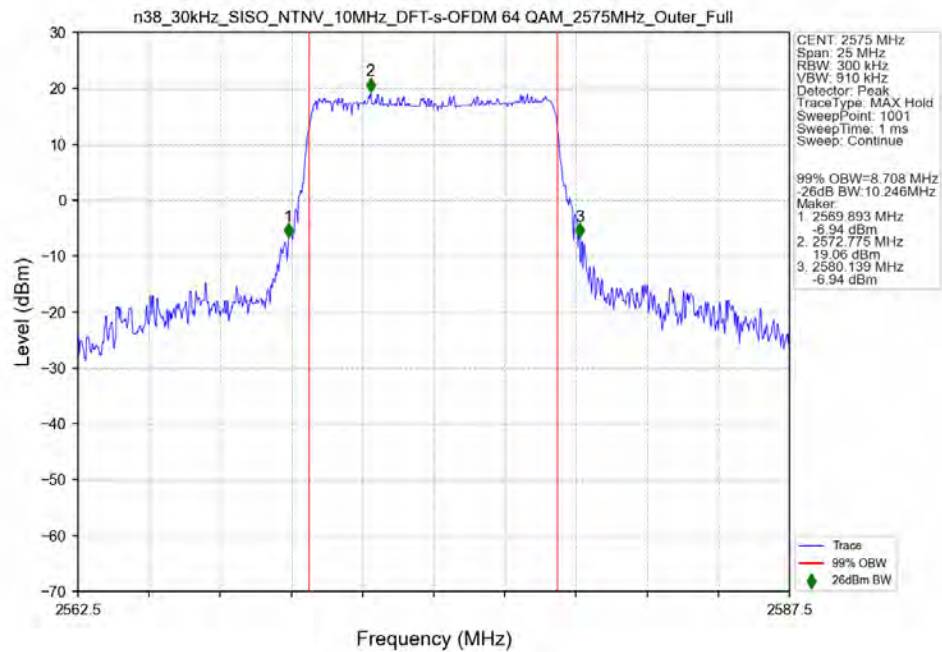
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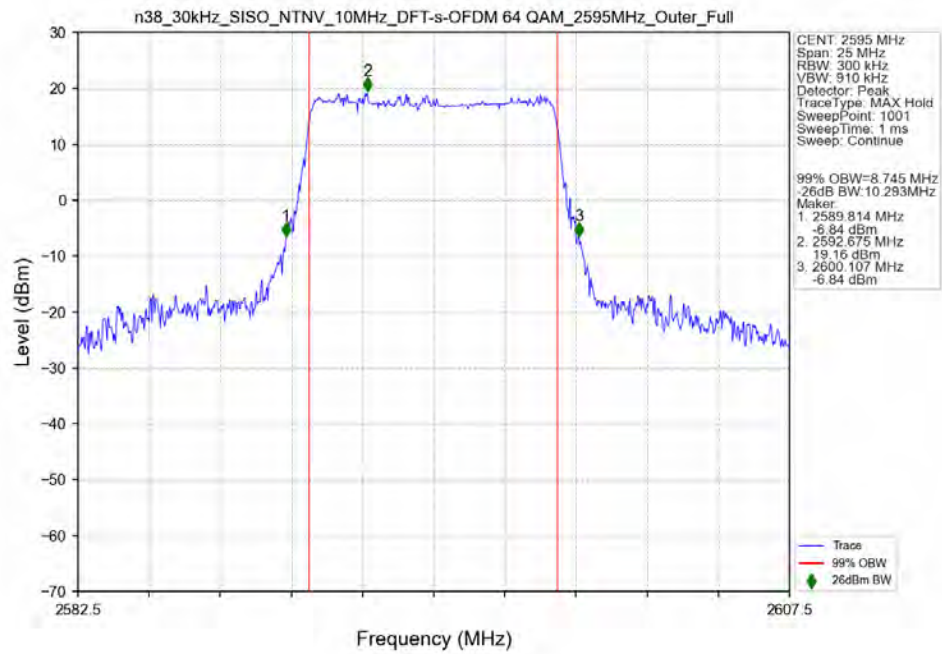
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16QAM_2615MHz_Outer_Full_Ant41



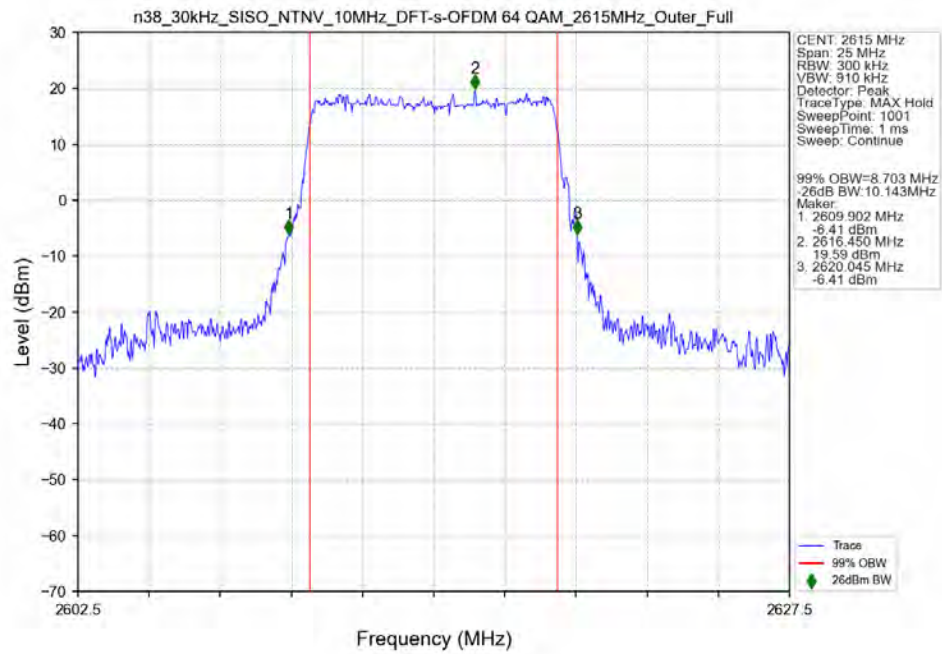
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64QAM_2575MHz_Outer_Full_Ant41



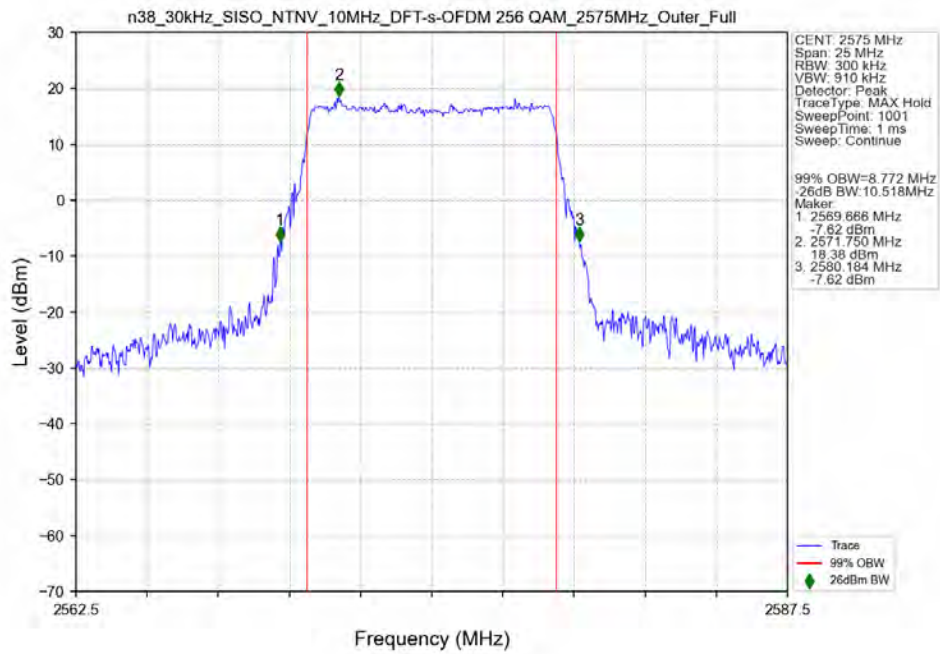
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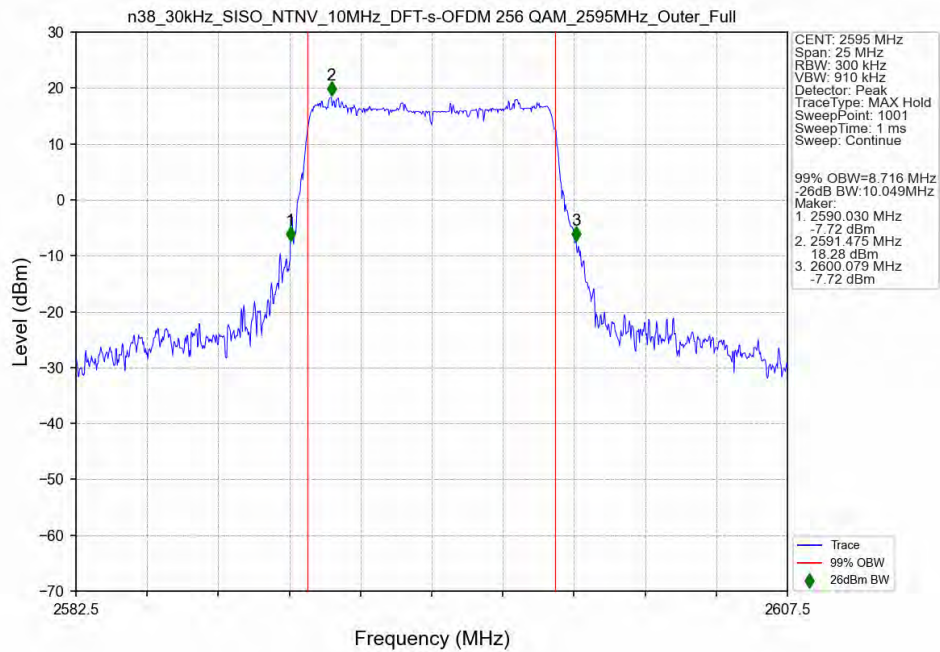
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2615MHz_Outer_Full_Ant41



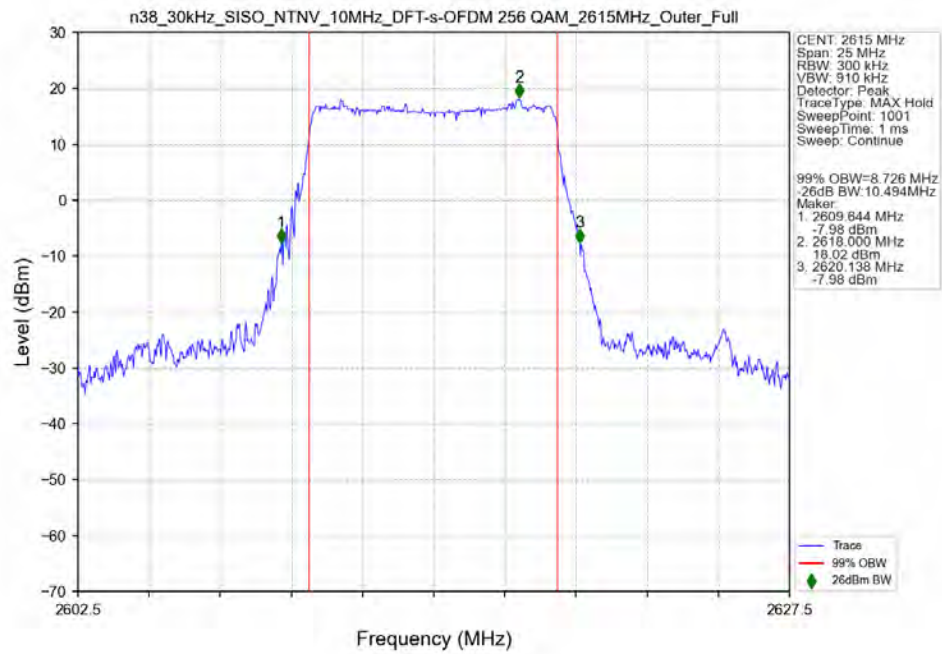
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2575MHz_Outer_Full_Ant41



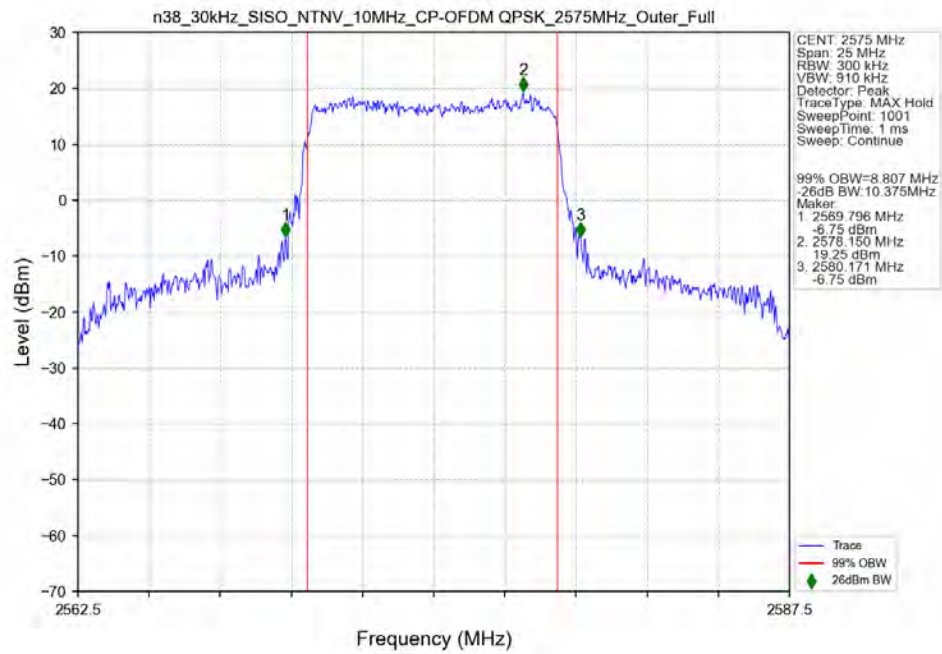
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2595MHz_Outer_Full_Ant41



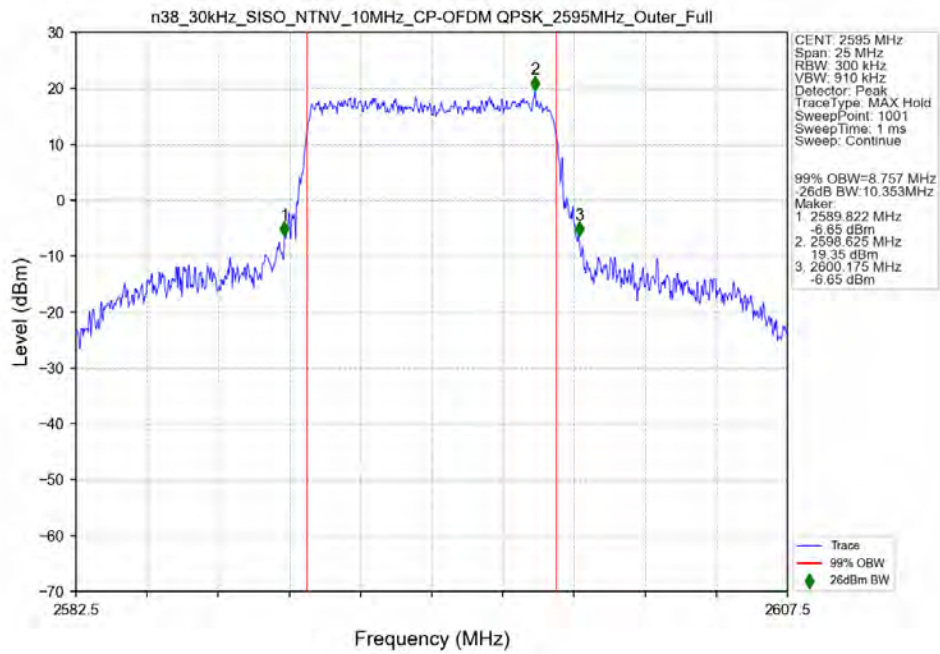
n38 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 2615MHz Outer Full Ant41



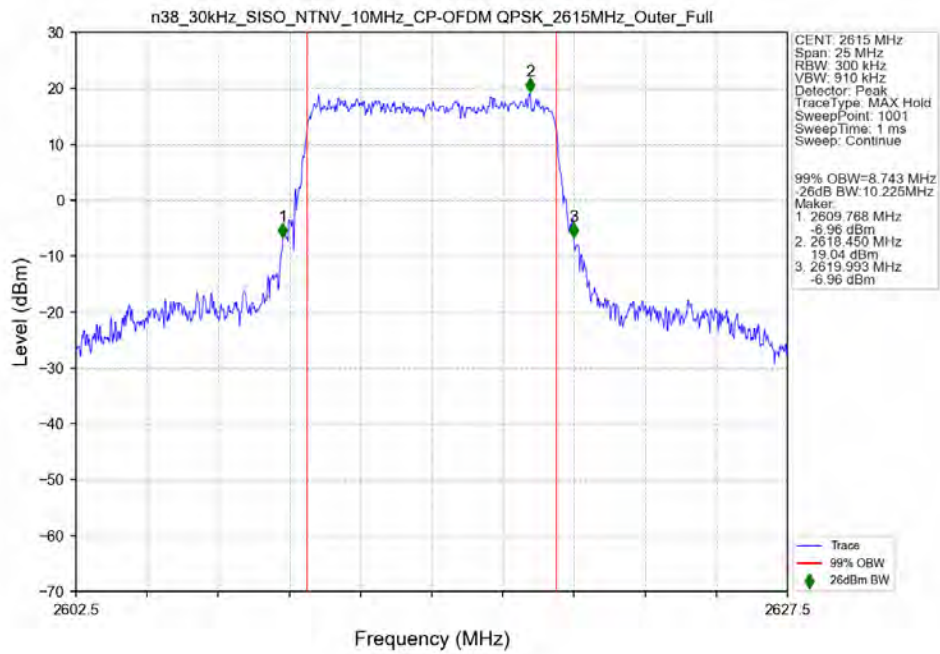
n38 30kHz SISO NTN 10MHz CP-OFDM QPSK 2575MHz Outer Full Ant41



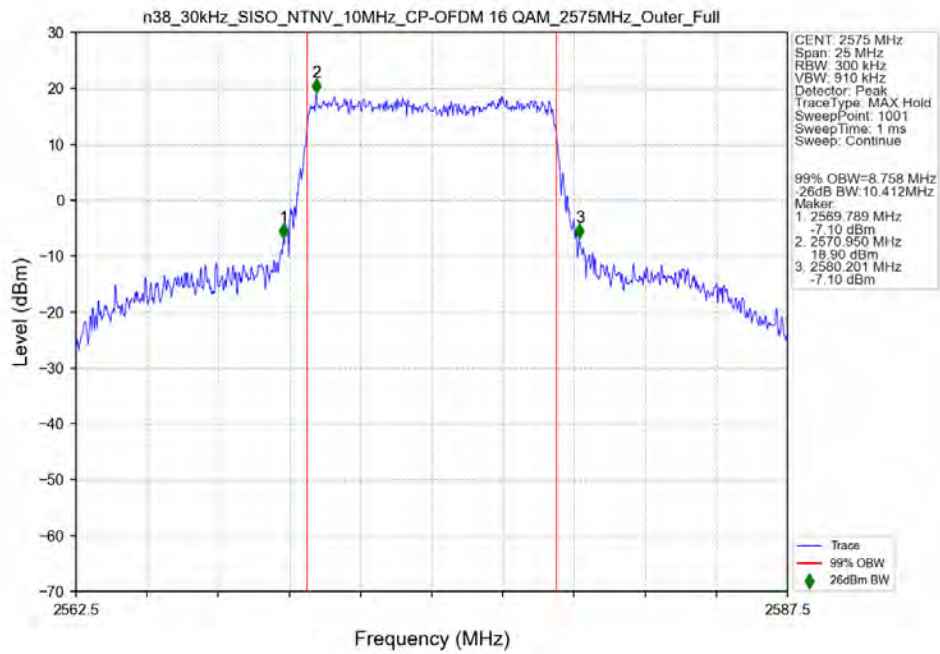
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2595MHz_Outer_Full_Ant41



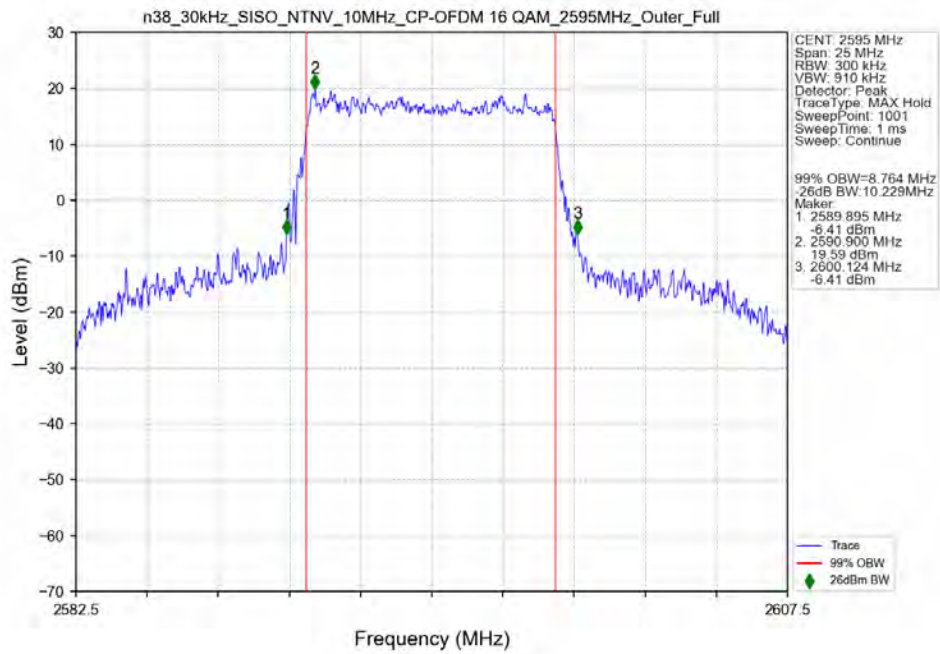
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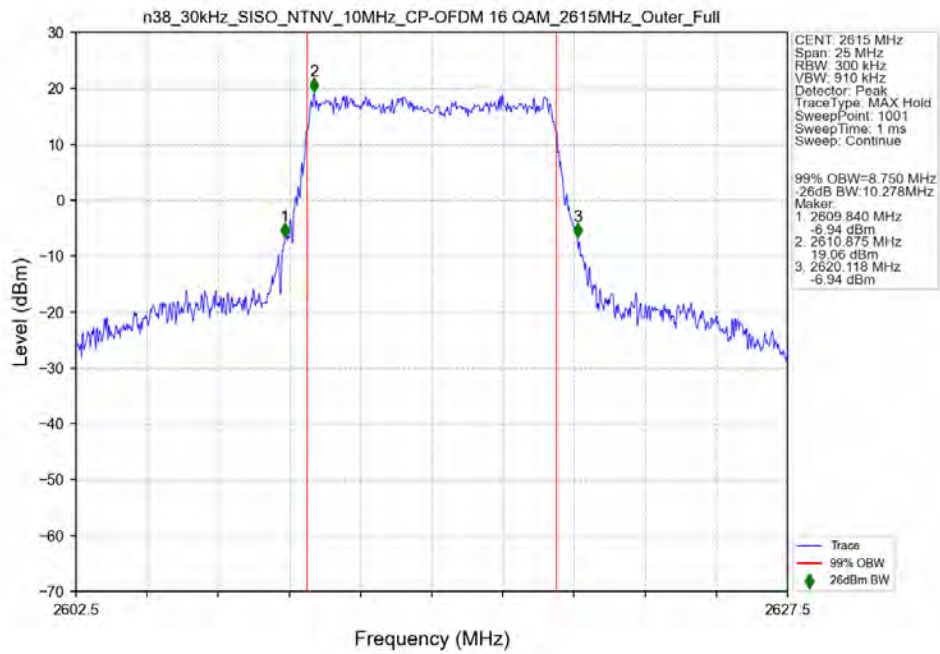
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2575MHz_Outer_Full_Ant41



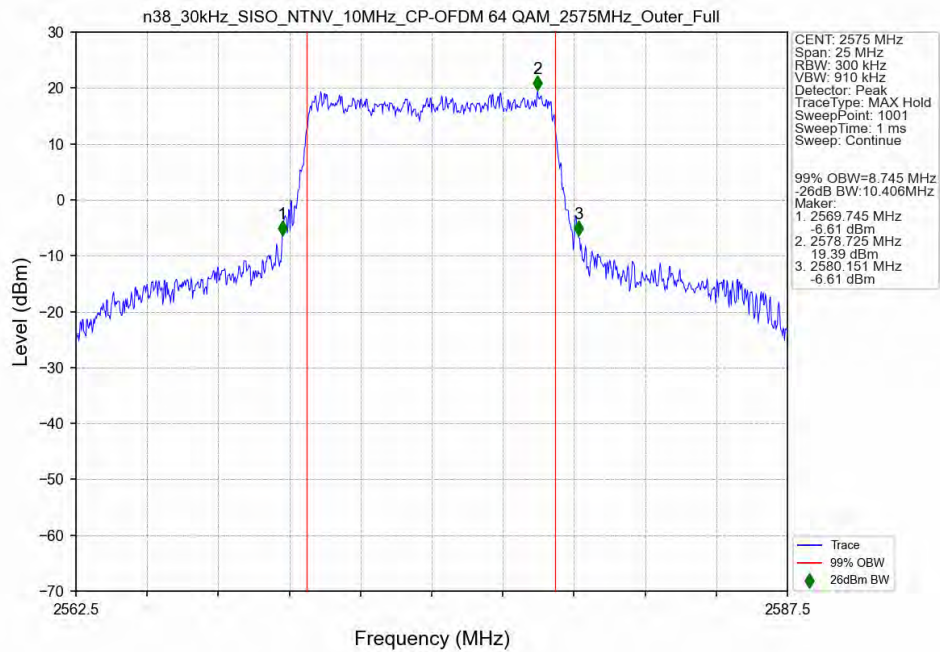
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2595MHz_Outer_Full_Ant41



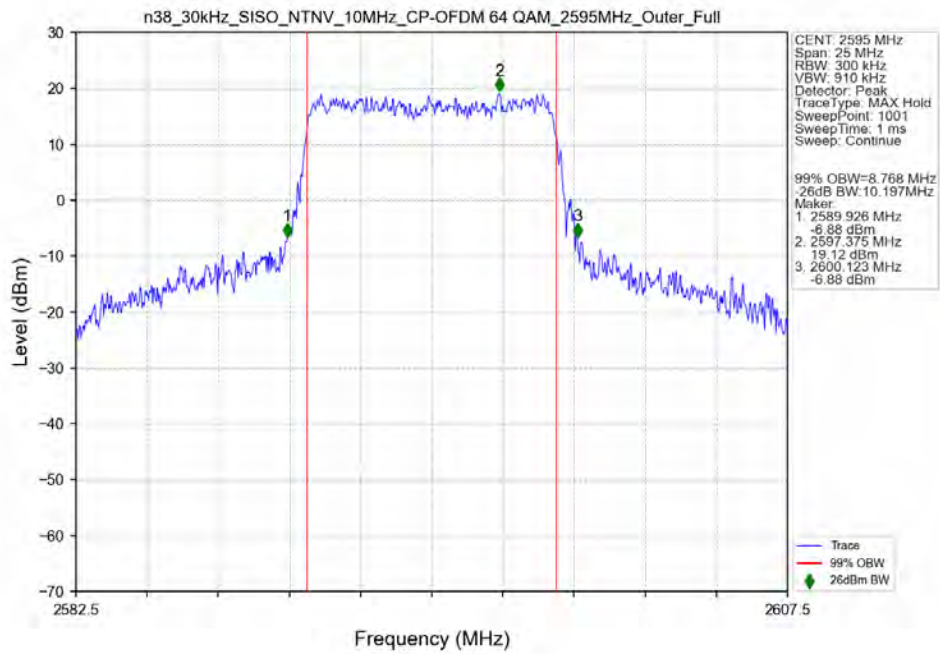
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2615MHz_Outer_Full_Ant41



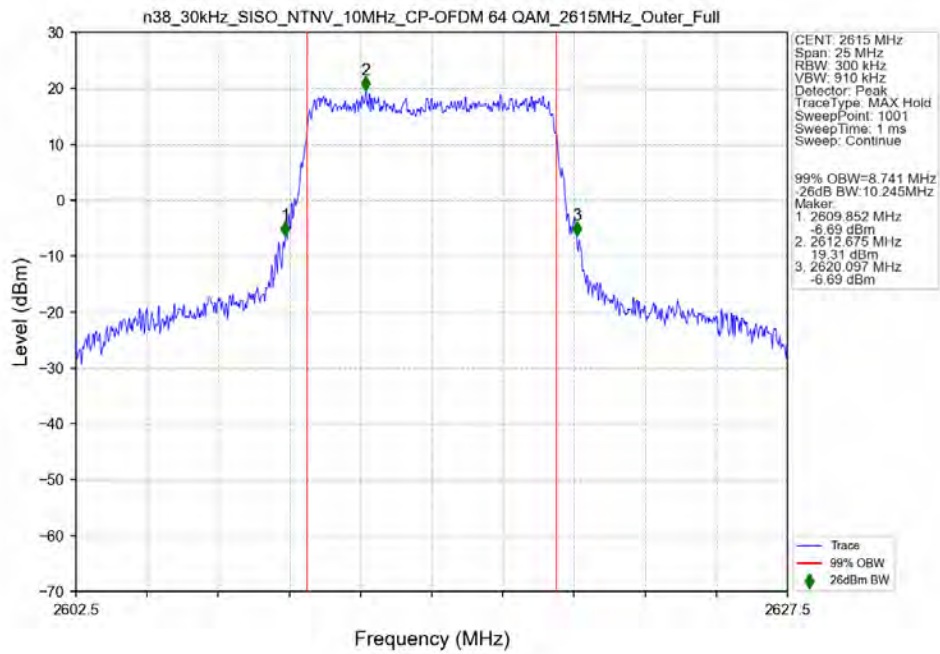
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2575MHz_Outer_Full_Ant41



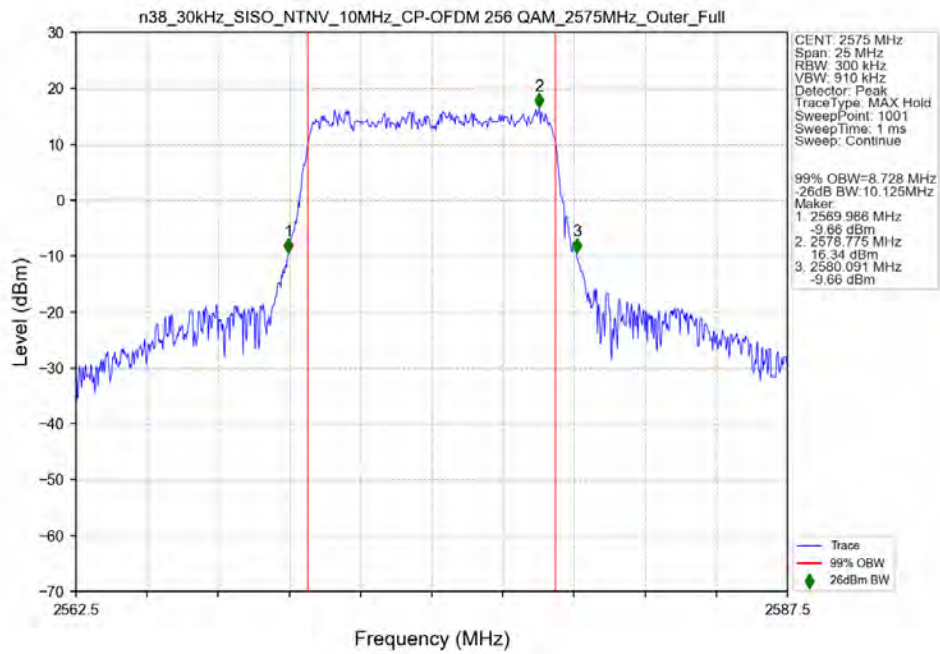
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2595MHz_Outer_Full_Ant41



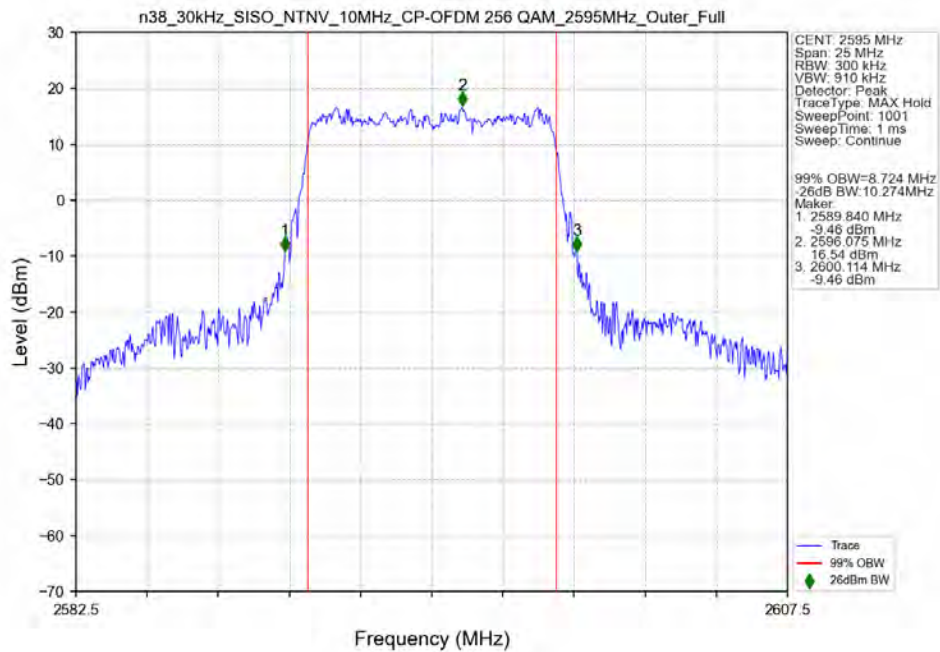
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2615MHz_Outer_Full_Ant41



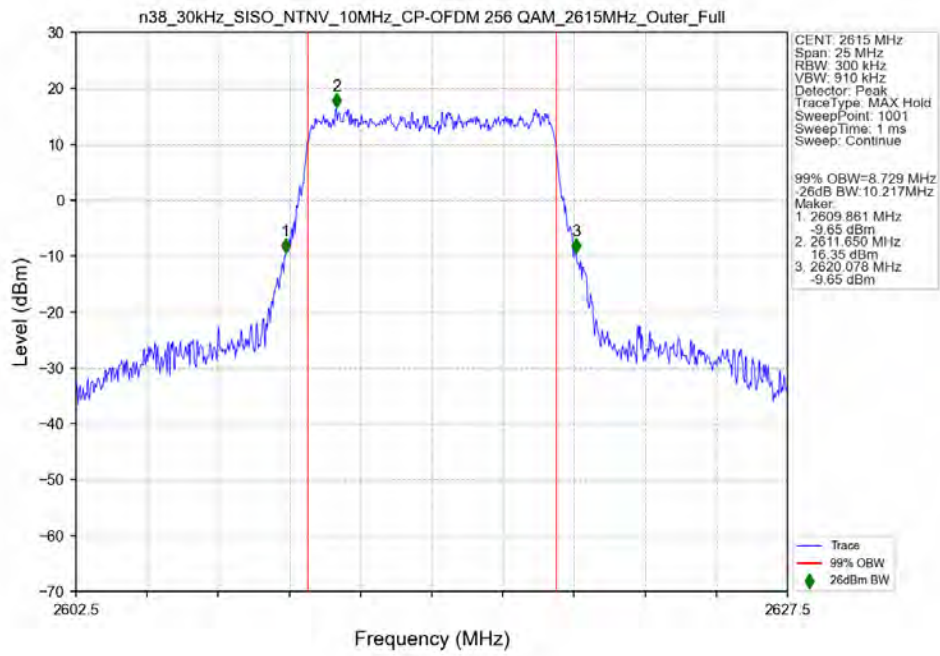
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2575MHz_Outer_Full_Ant41



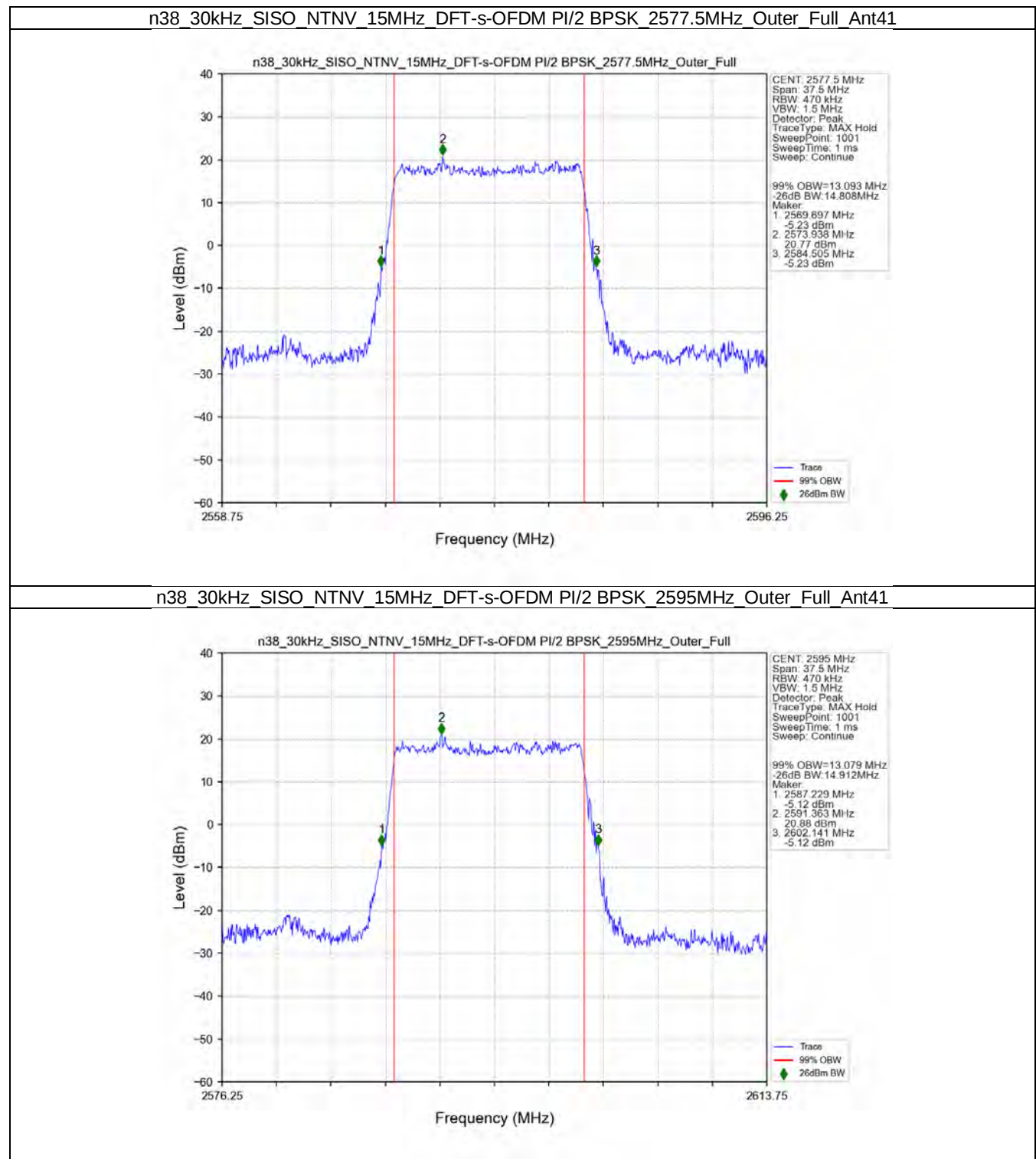
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2595MHz_Outer_Full_Ant41



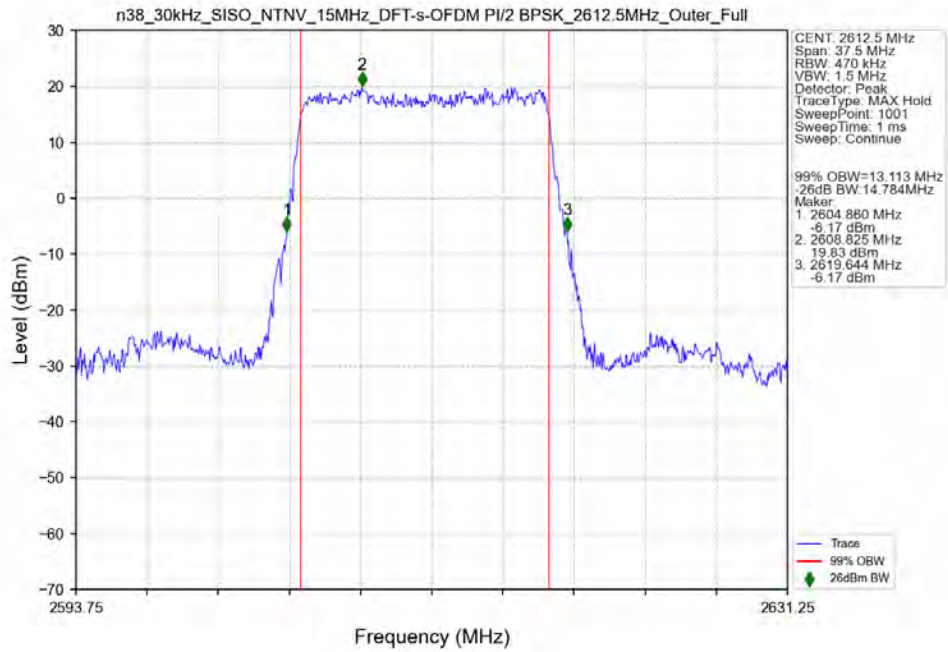
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2615MHz_Outer_Full_Ant41



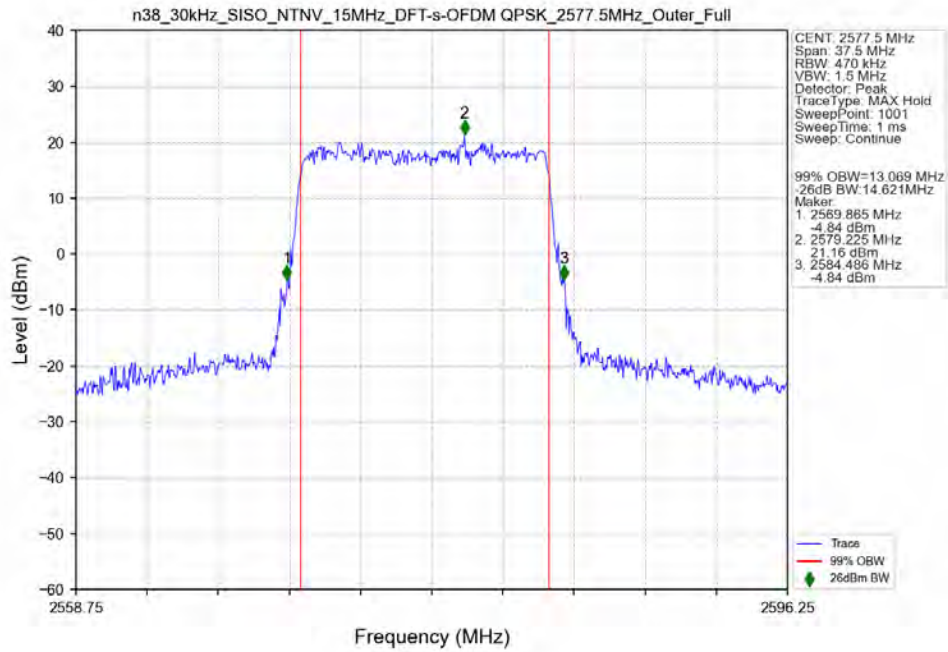
3.2.2 30k_SISO_15MHz_NTNV



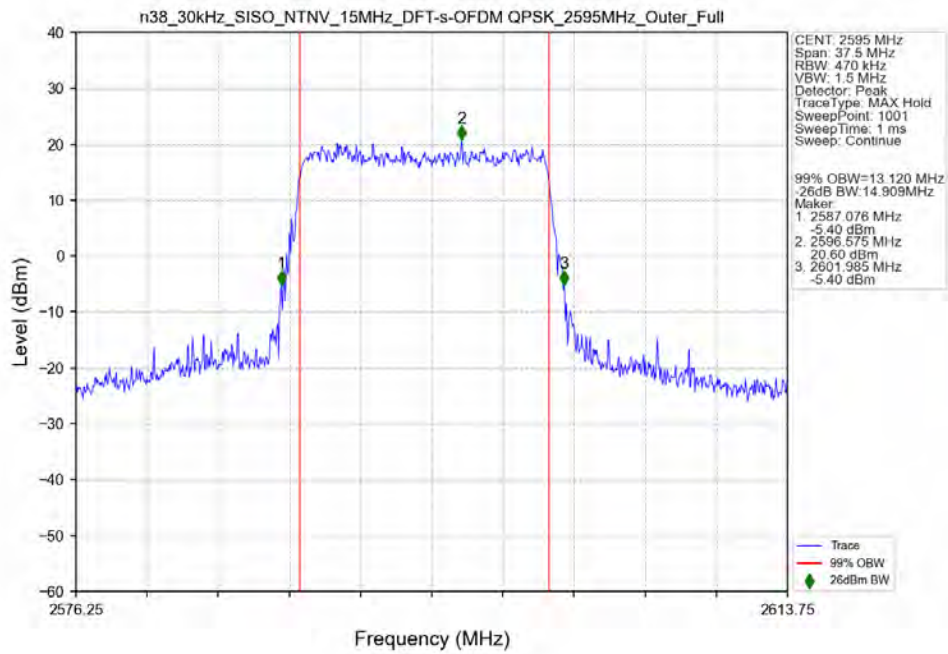
n38_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2612.5MHz_Outer_Full_Ant41



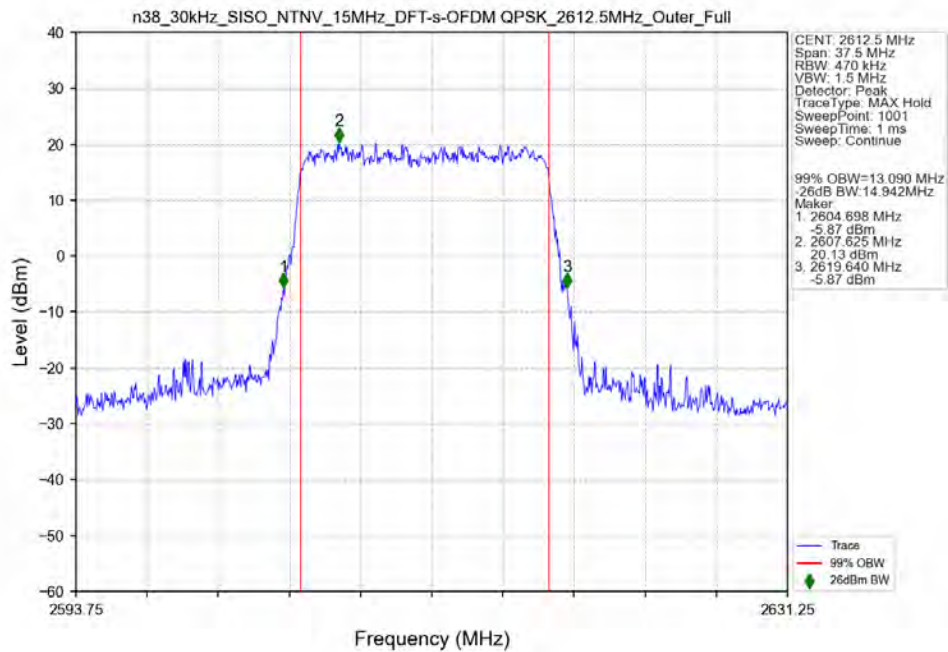
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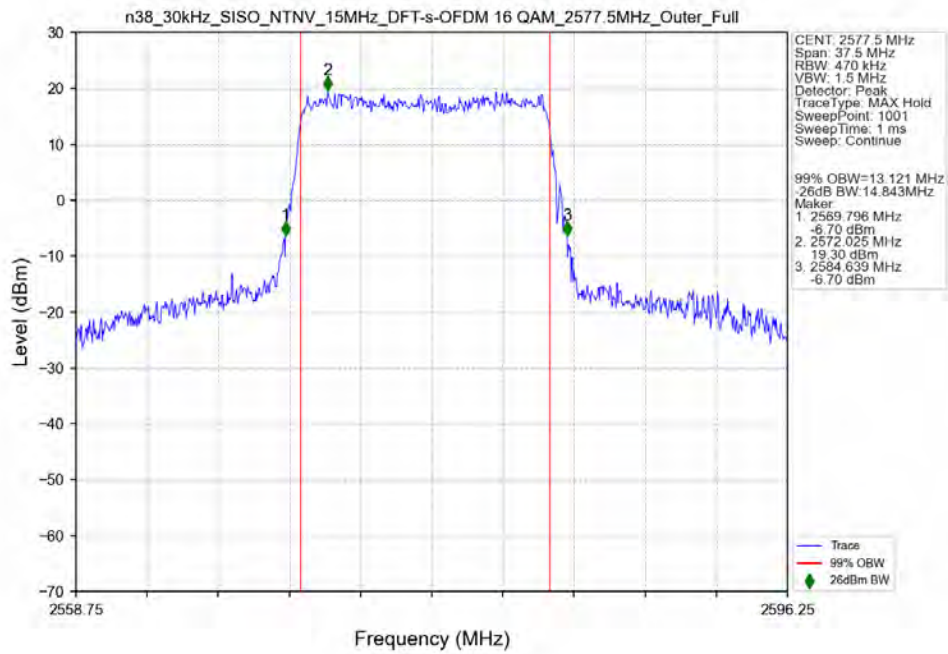
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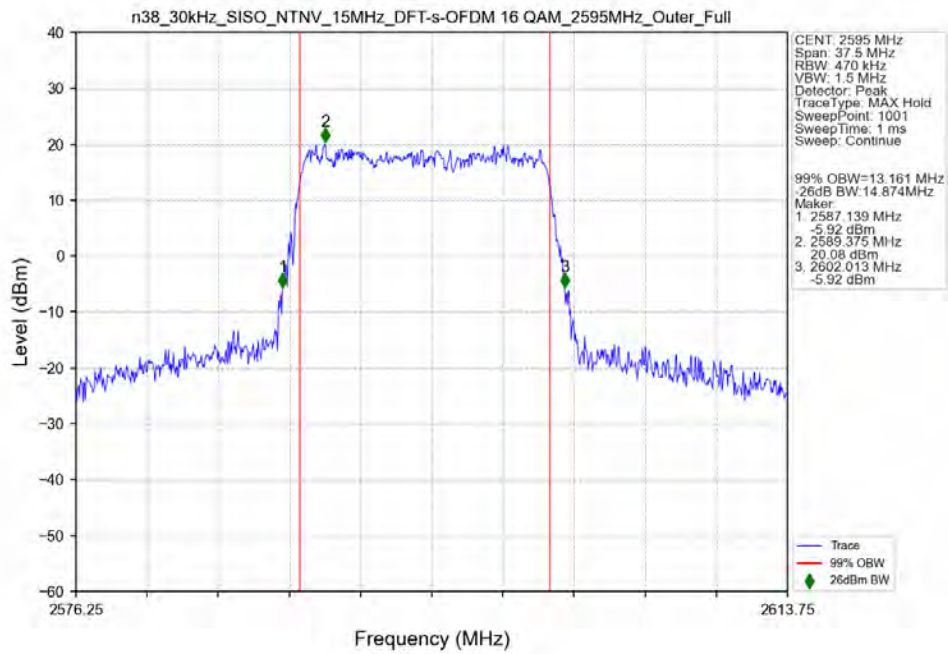
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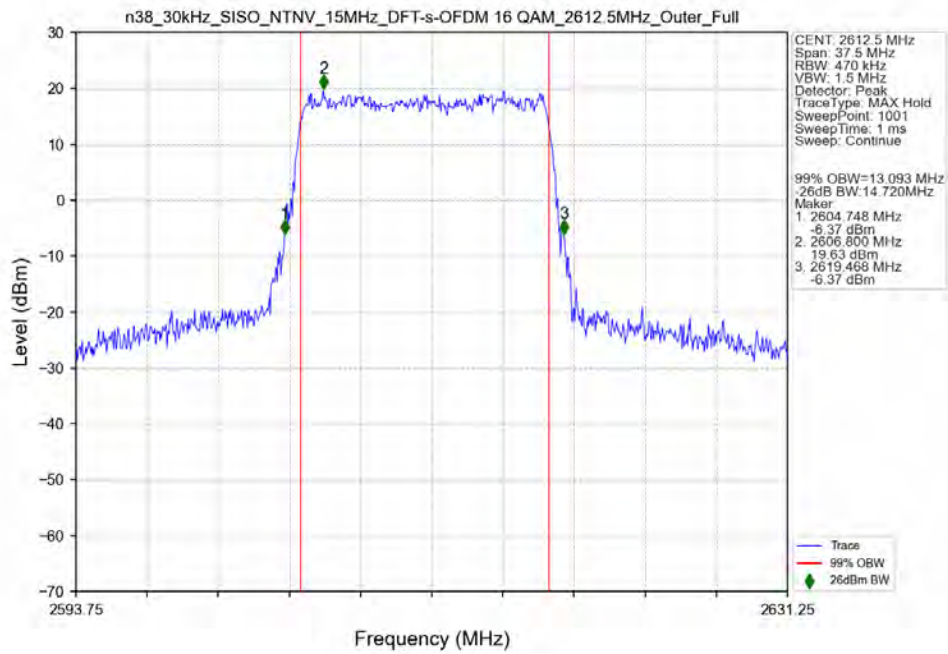
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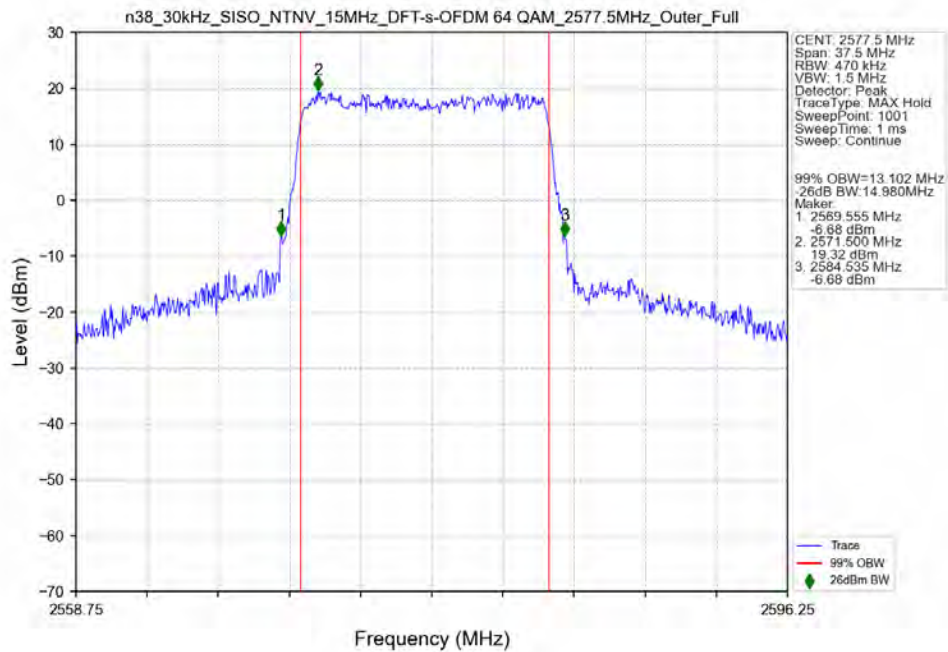
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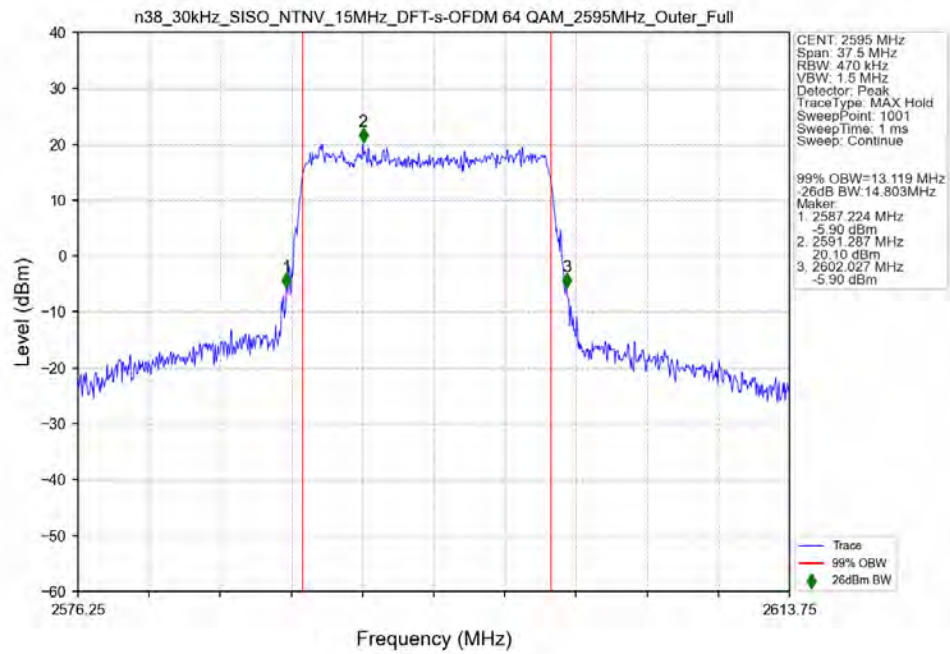
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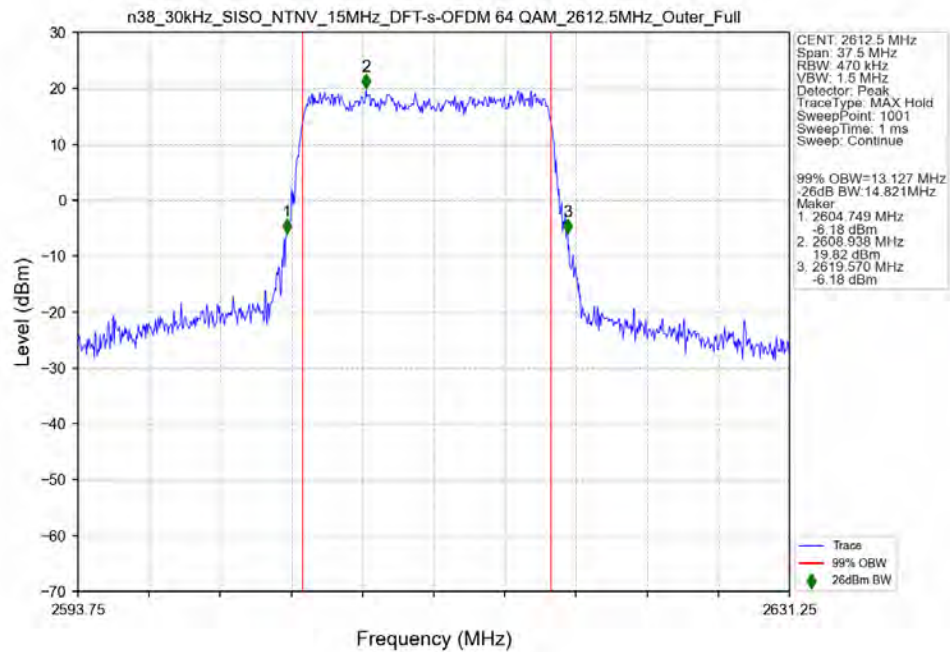
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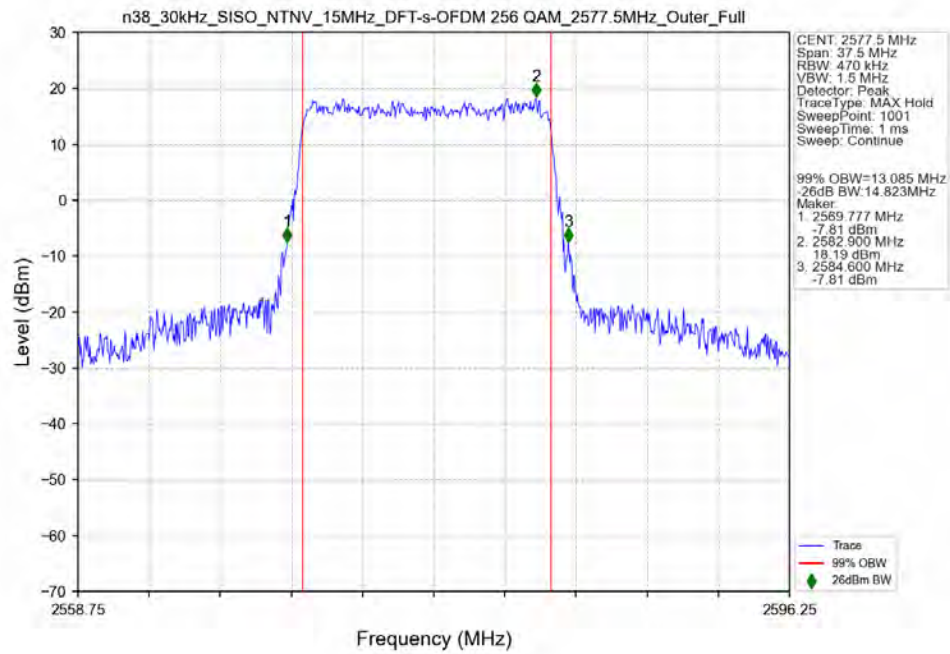
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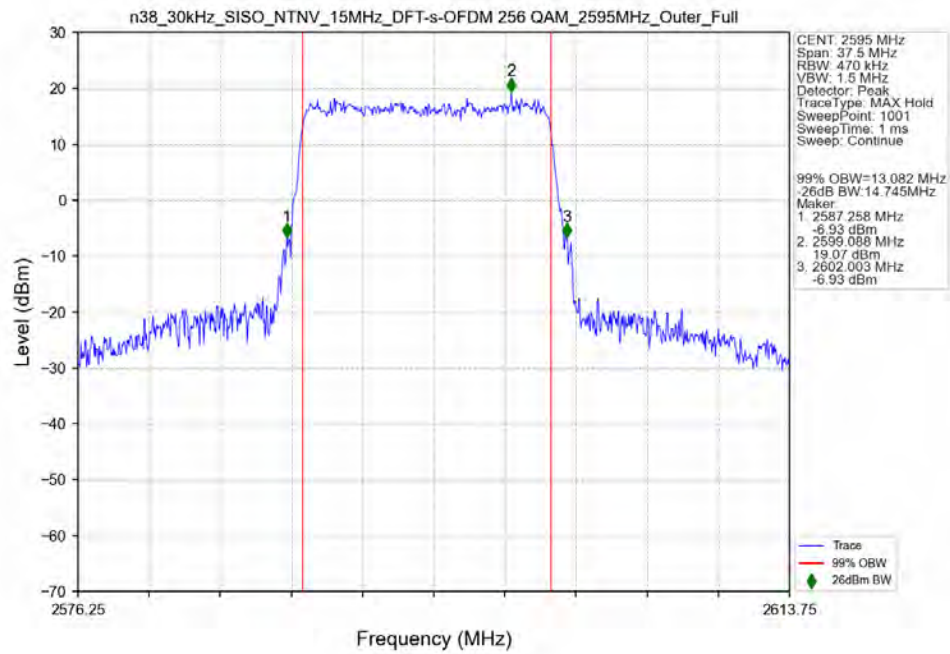
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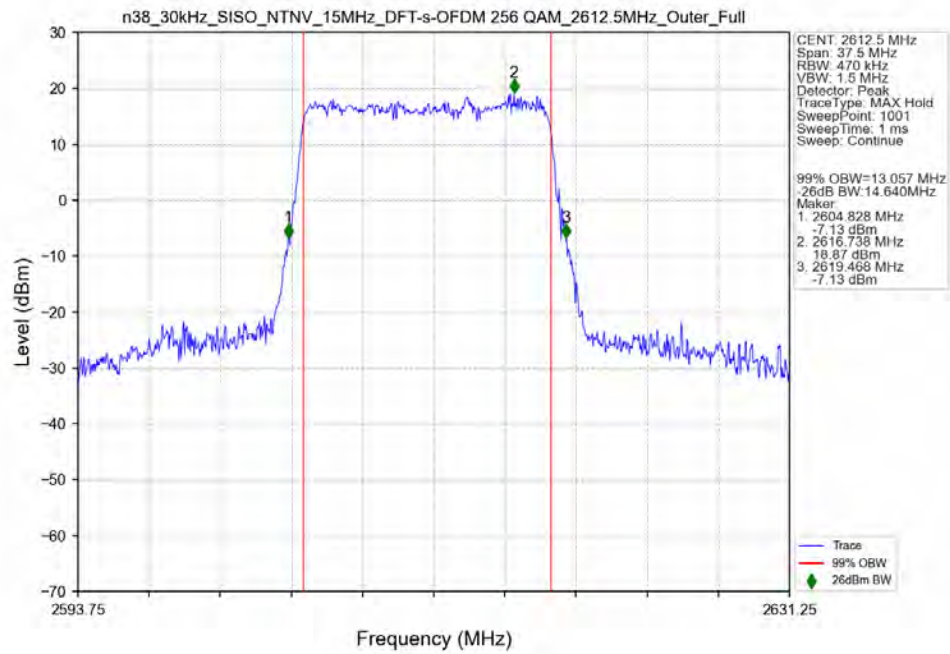
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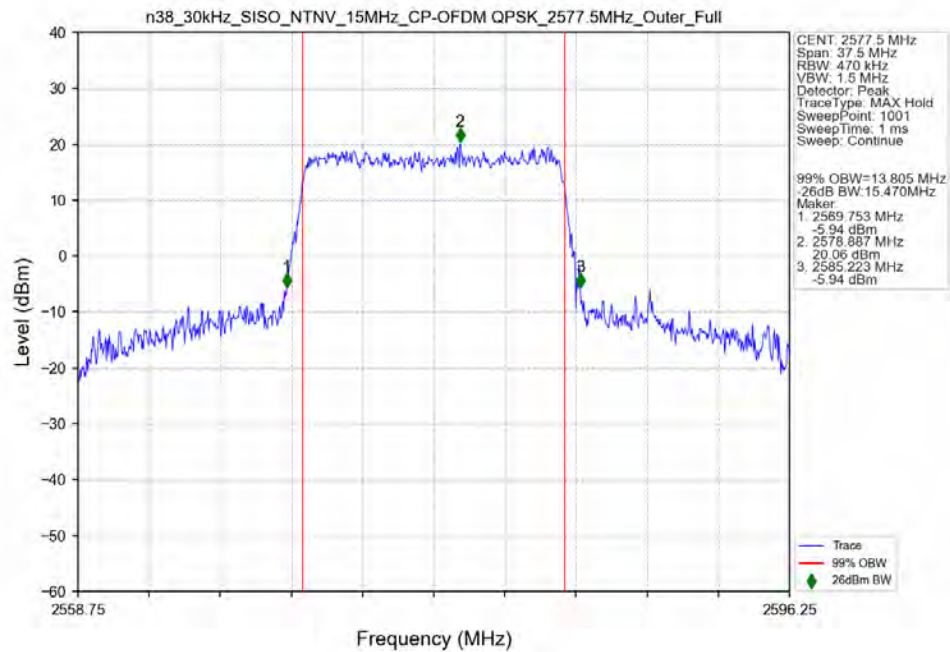
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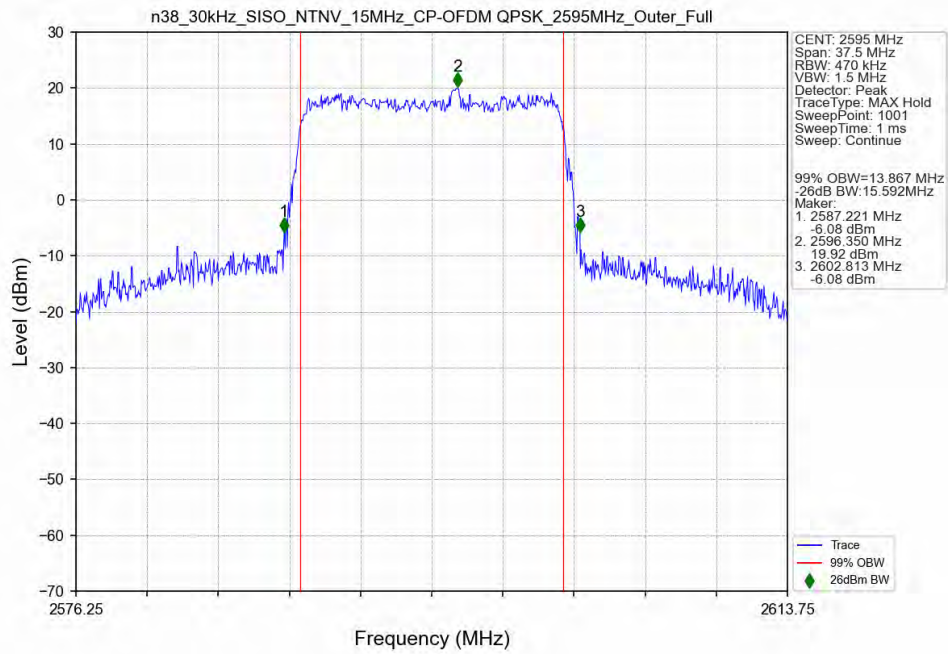
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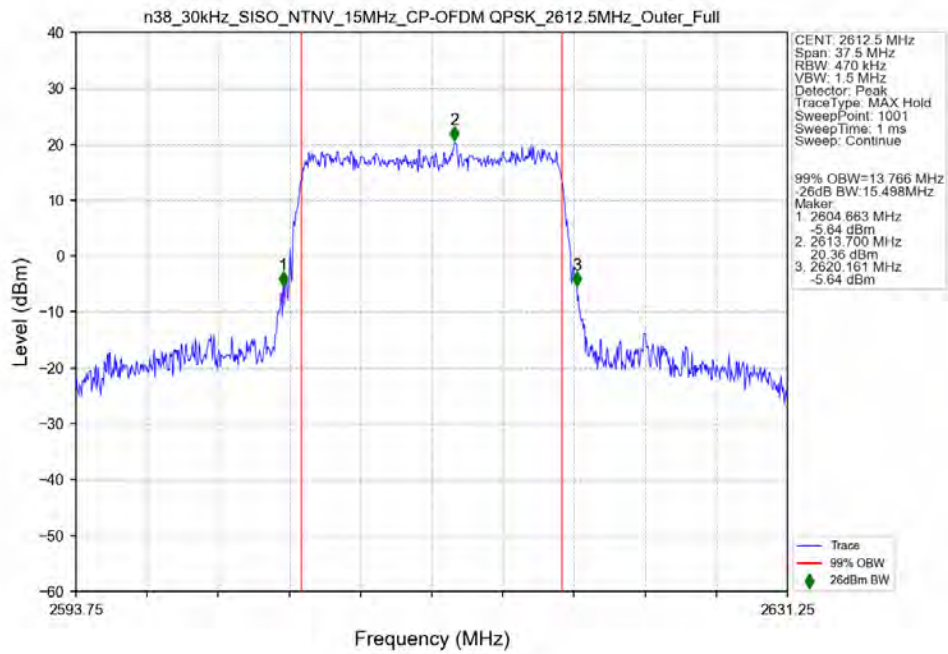
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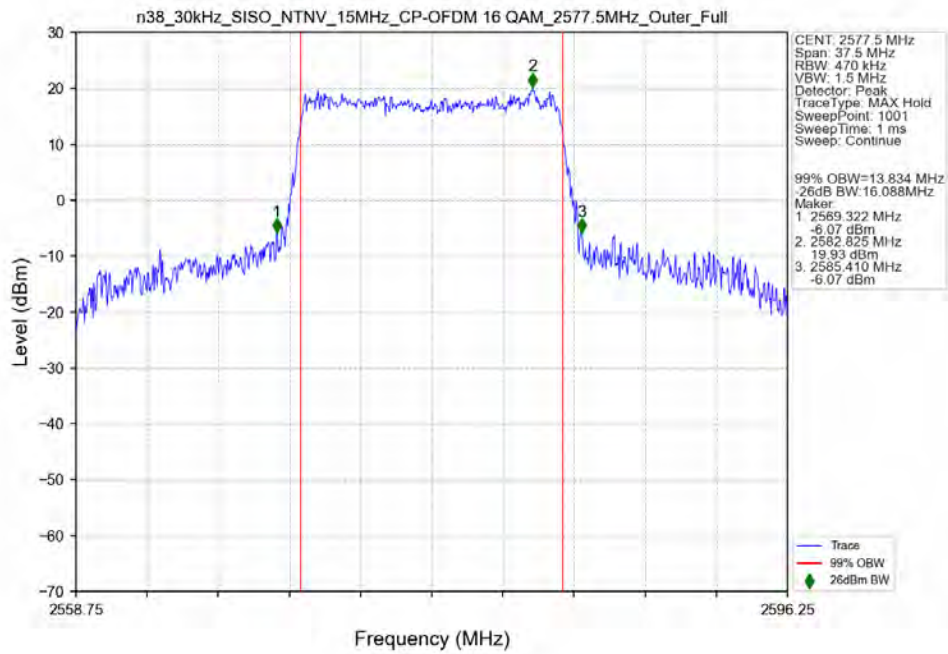
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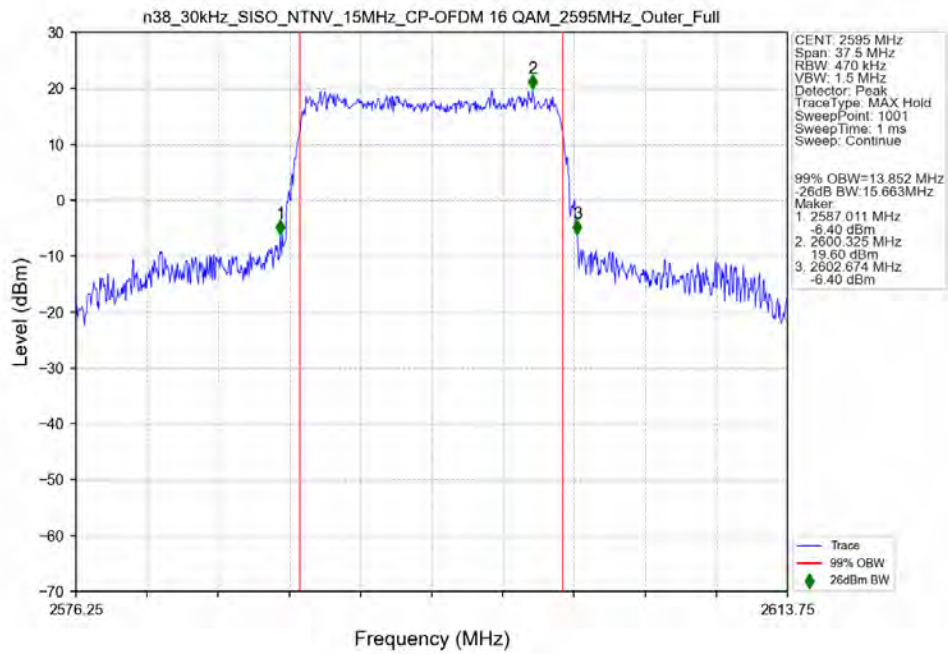
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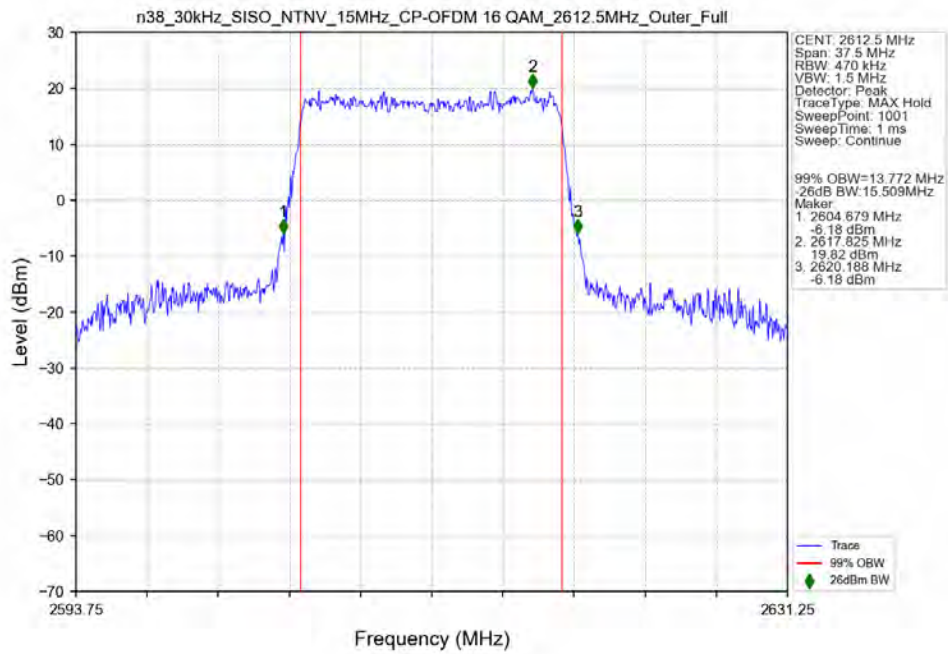
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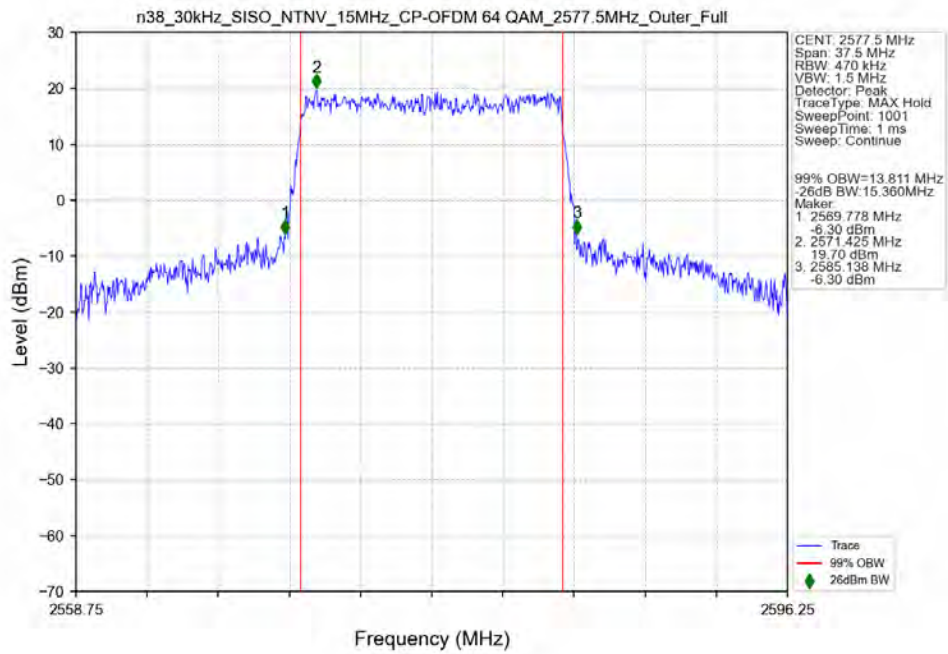
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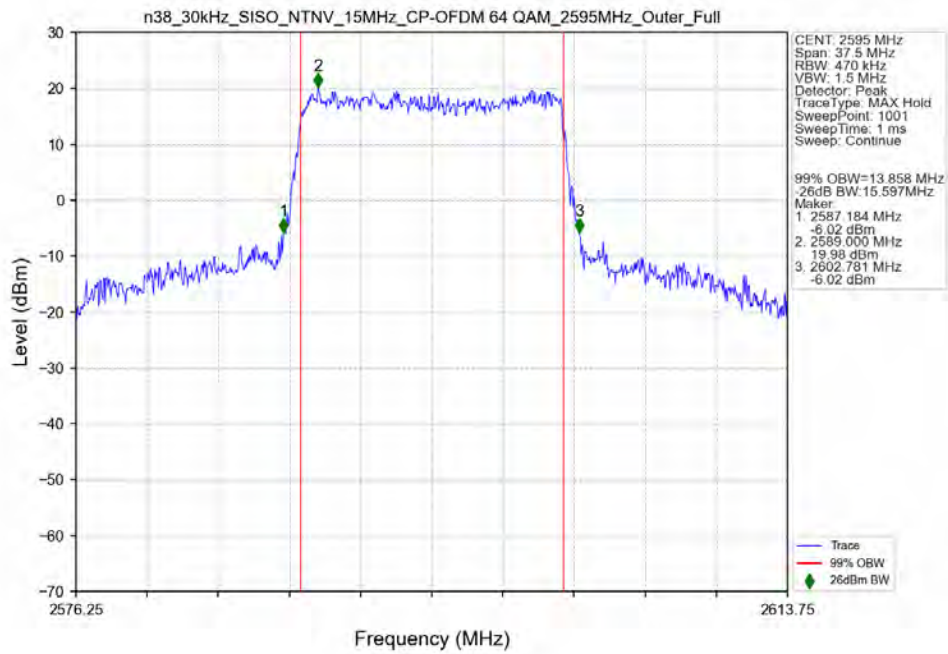
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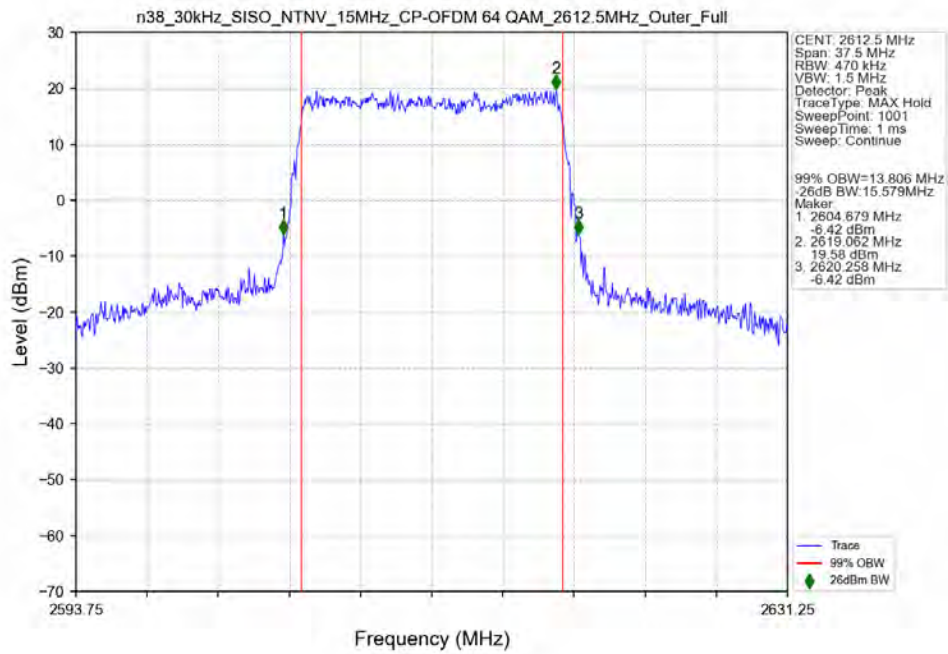
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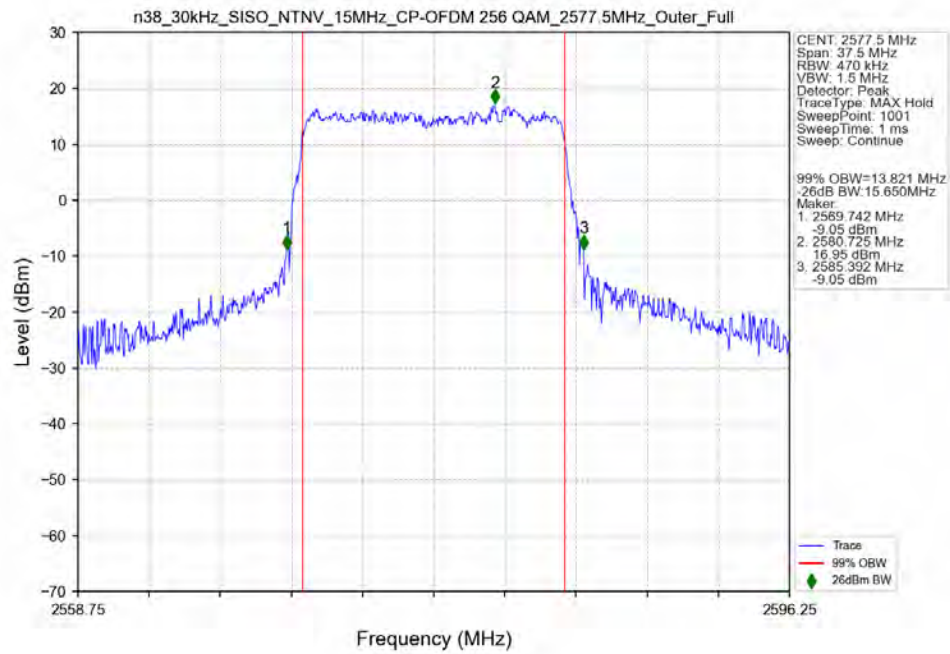
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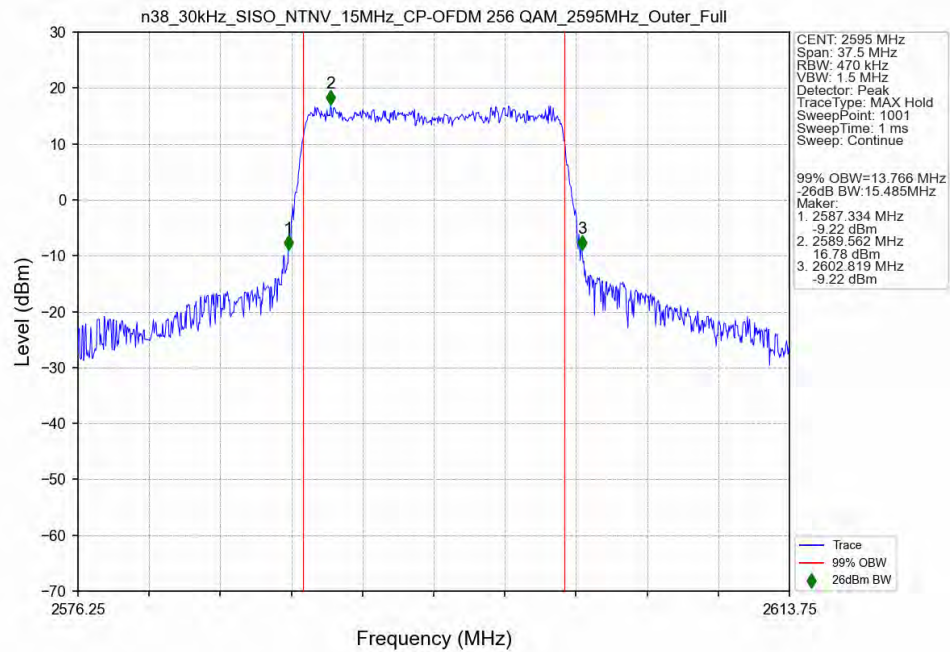
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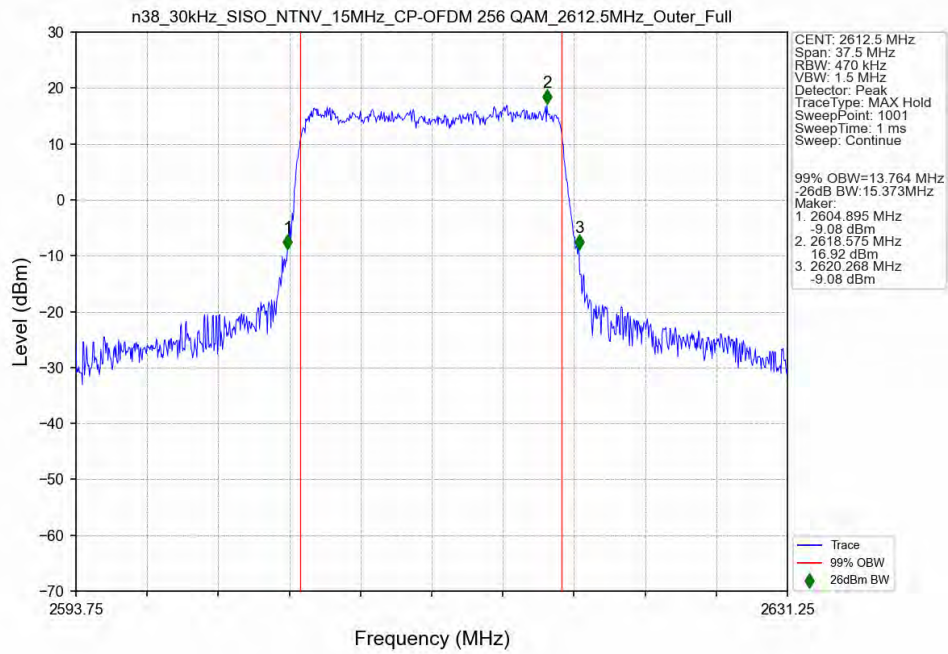


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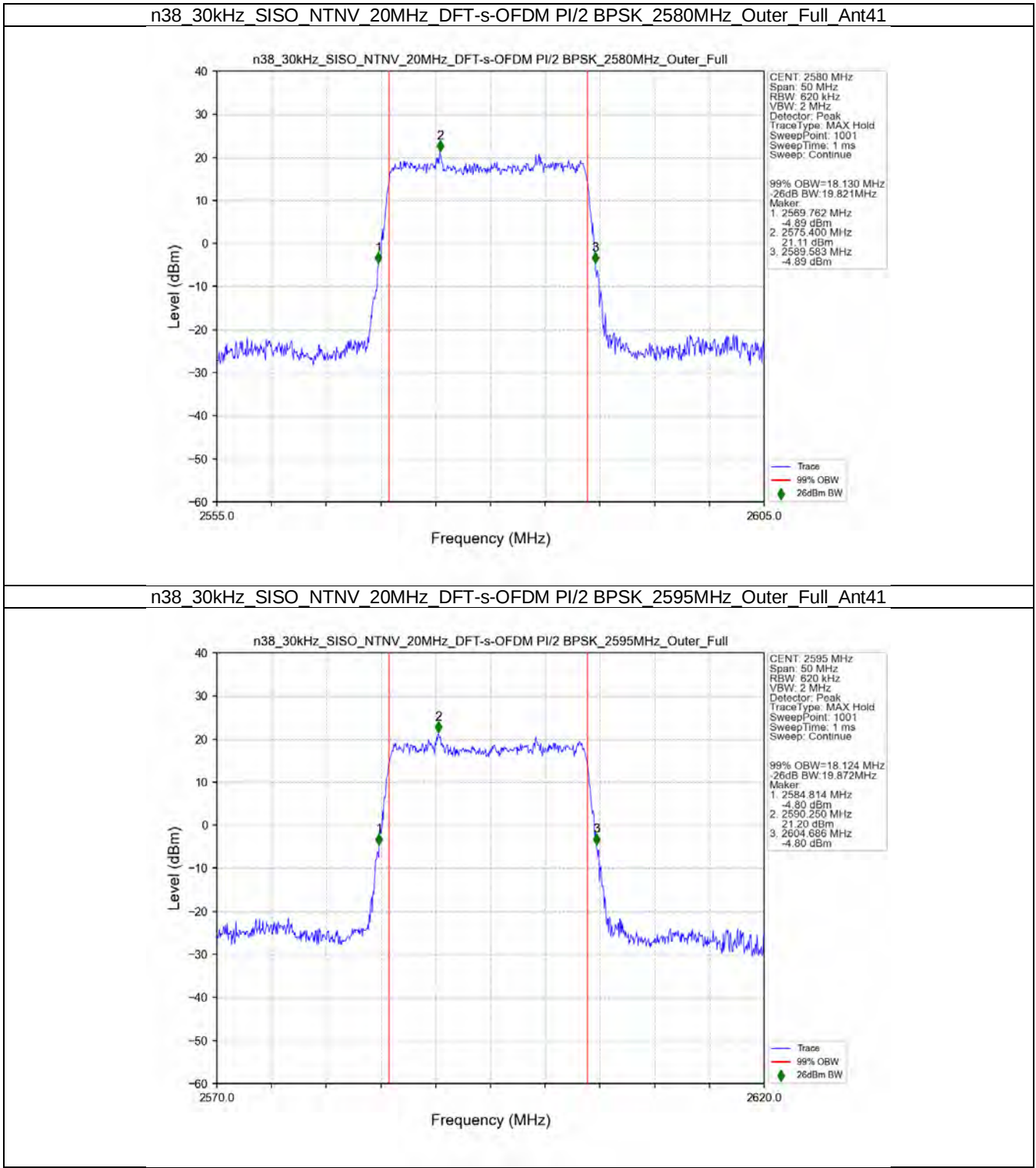


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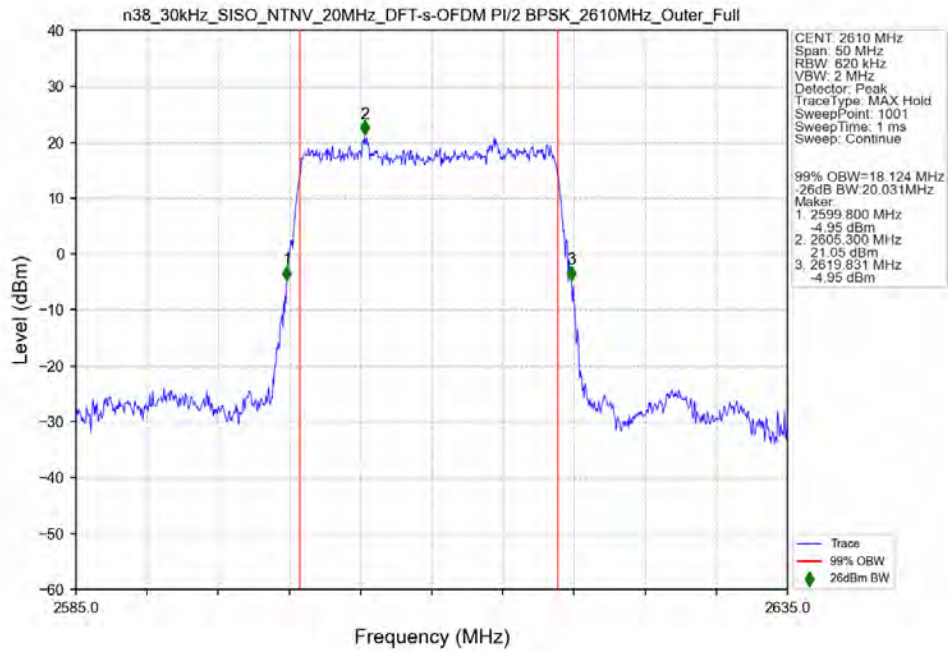




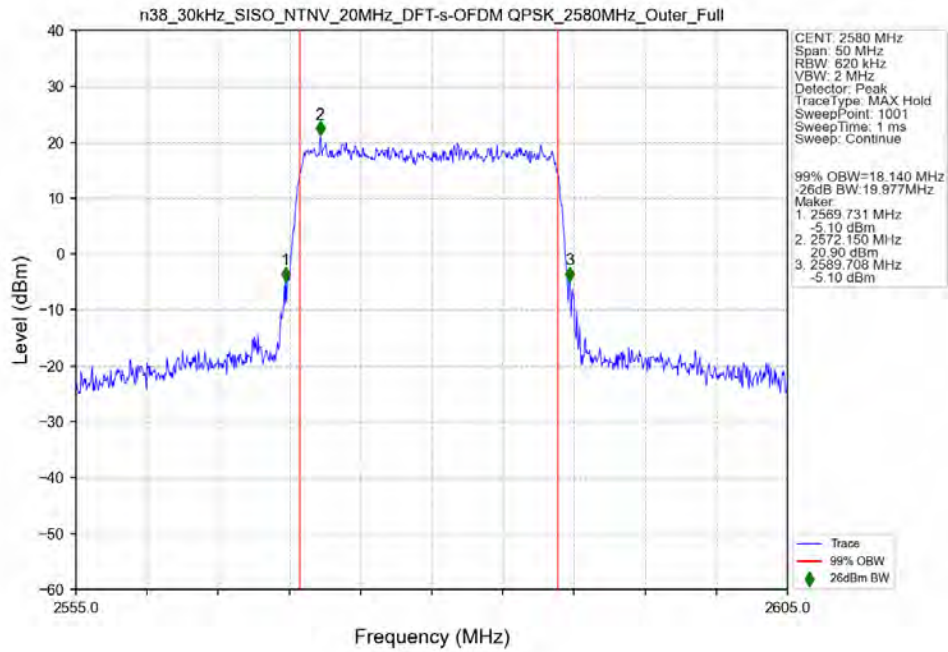
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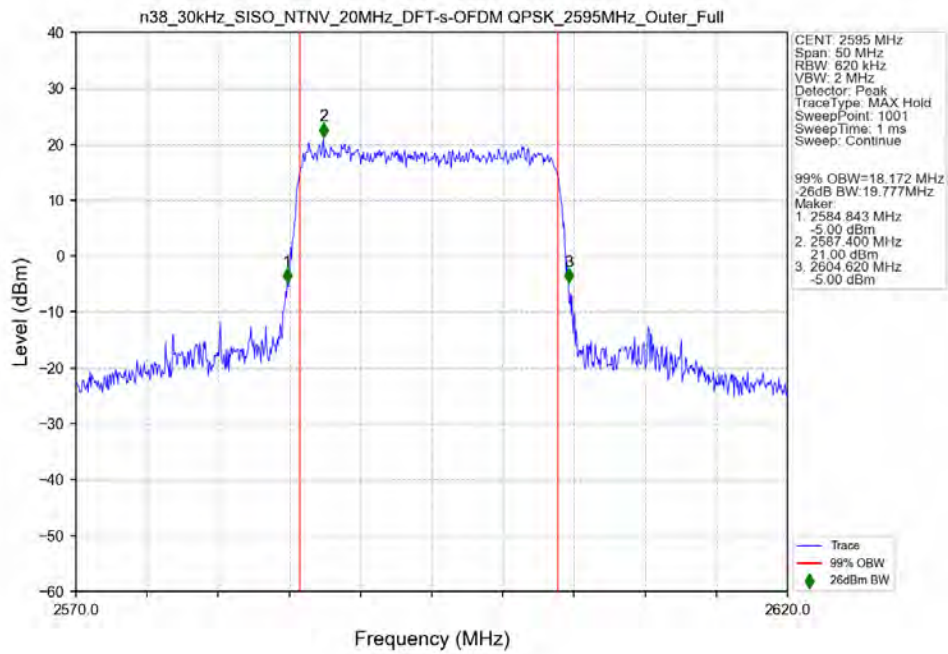
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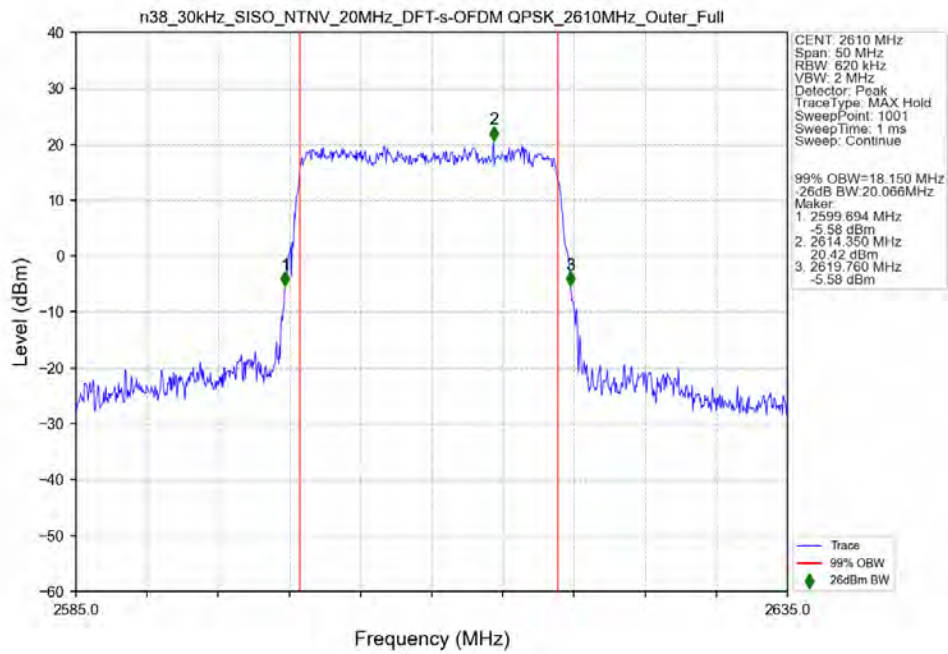
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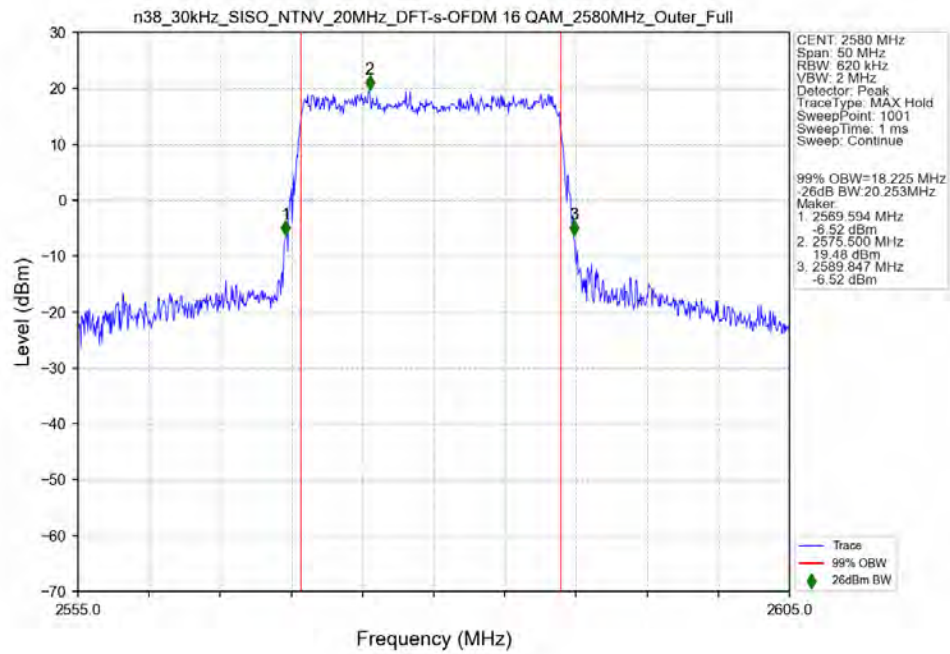
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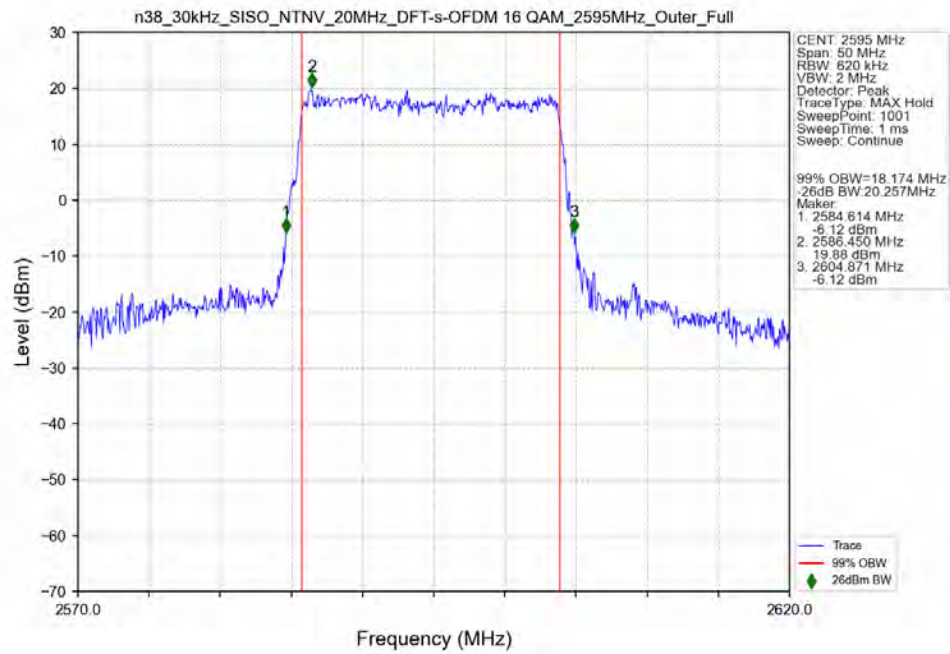
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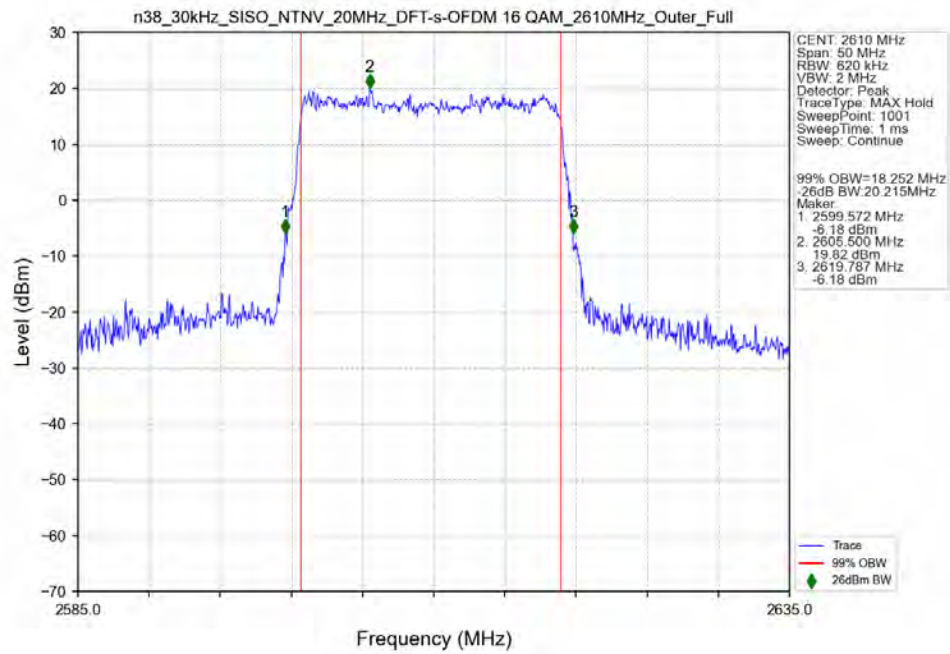
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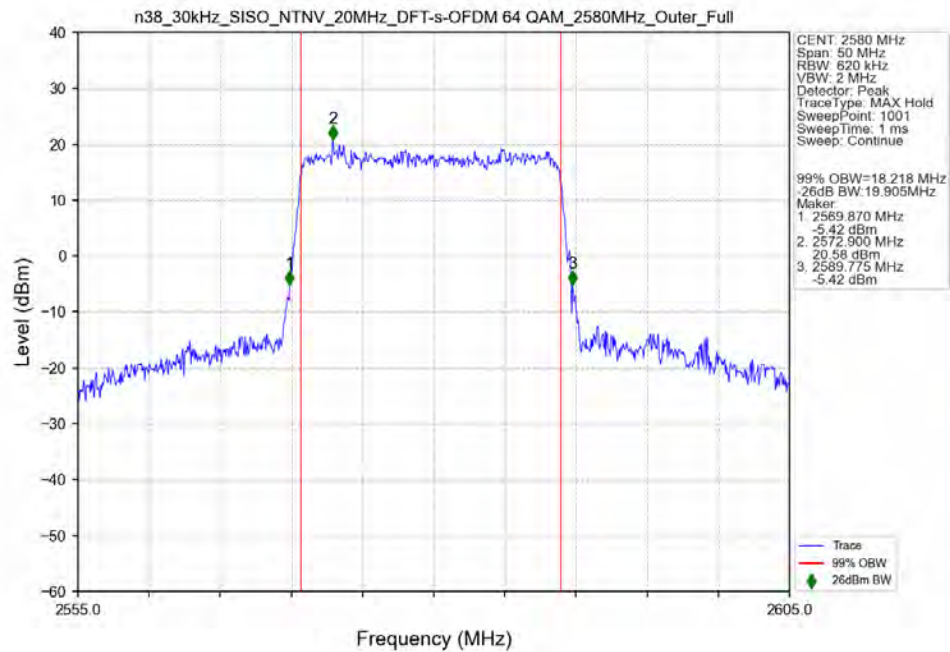
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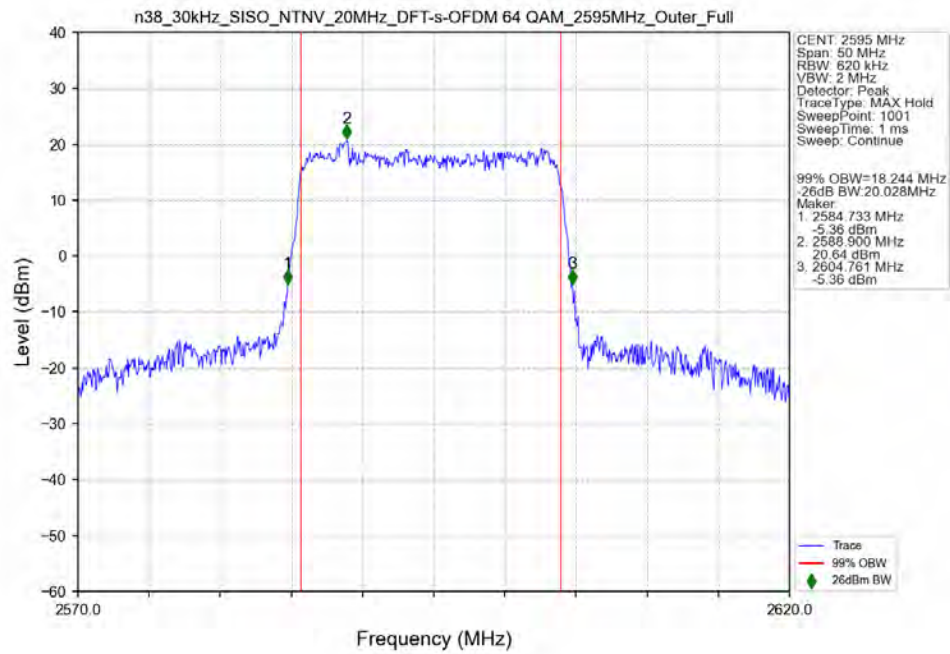
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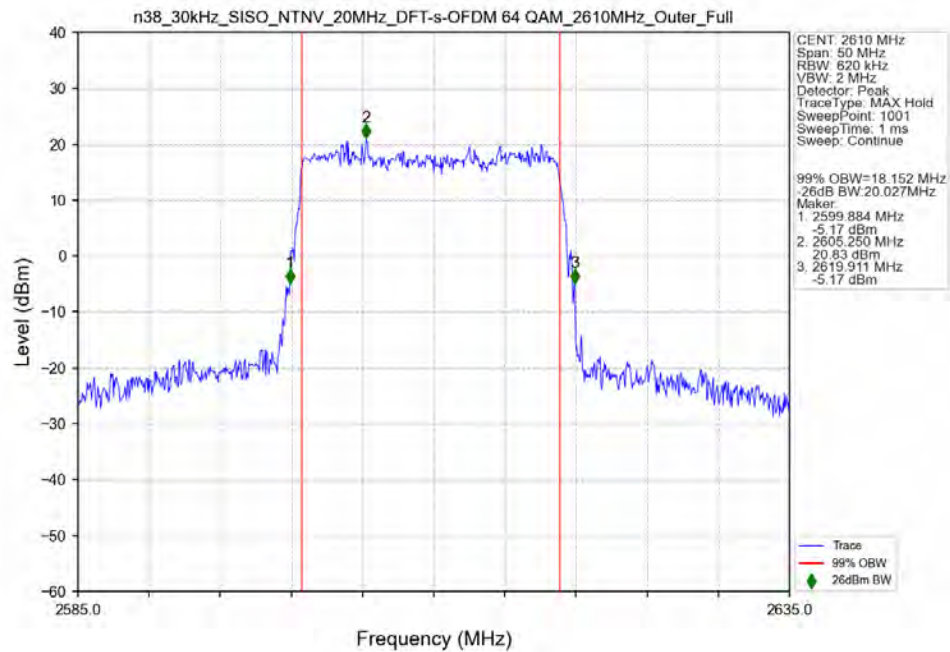
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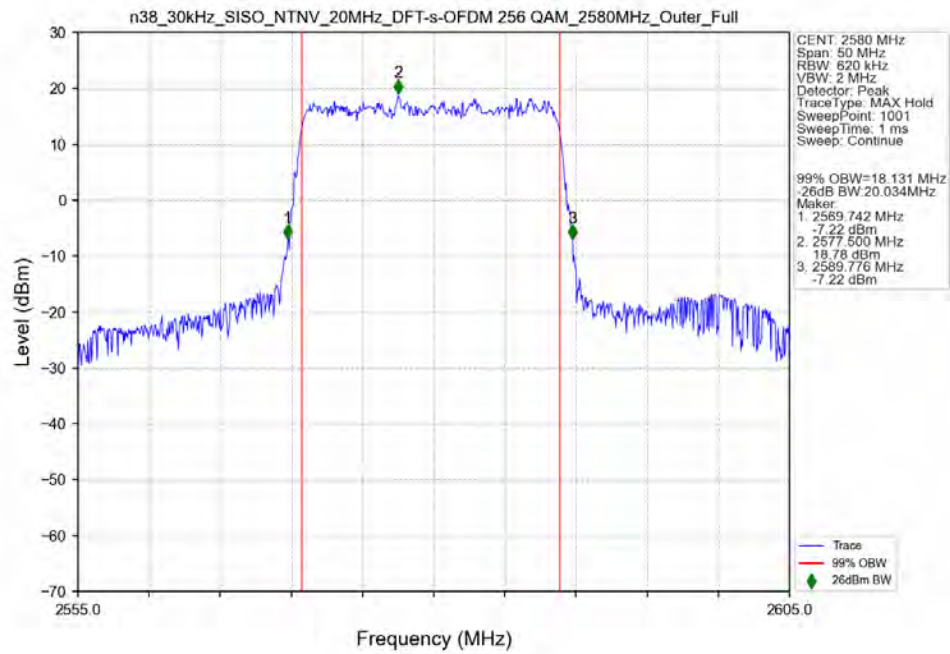
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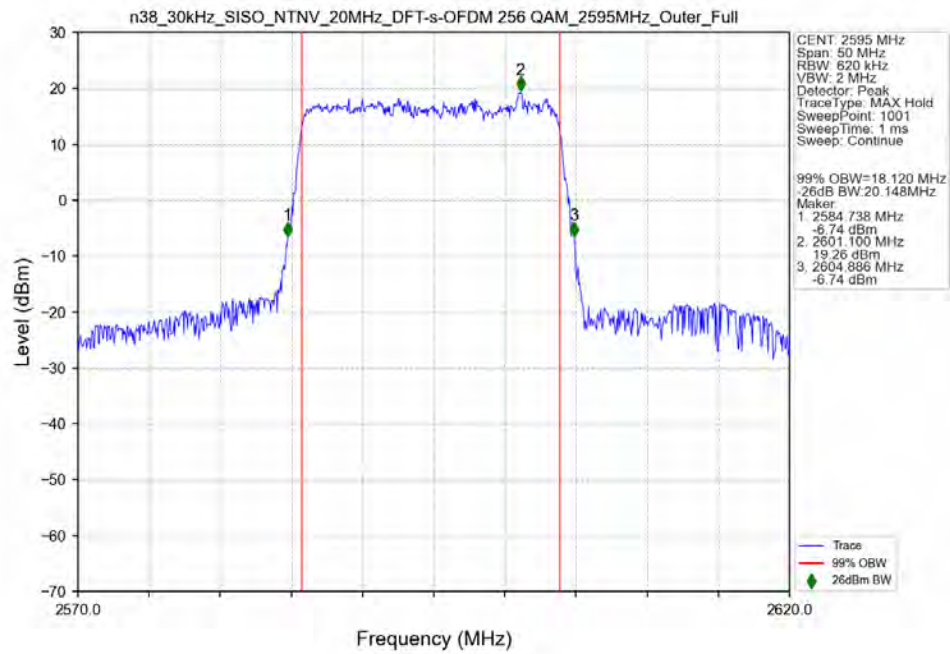
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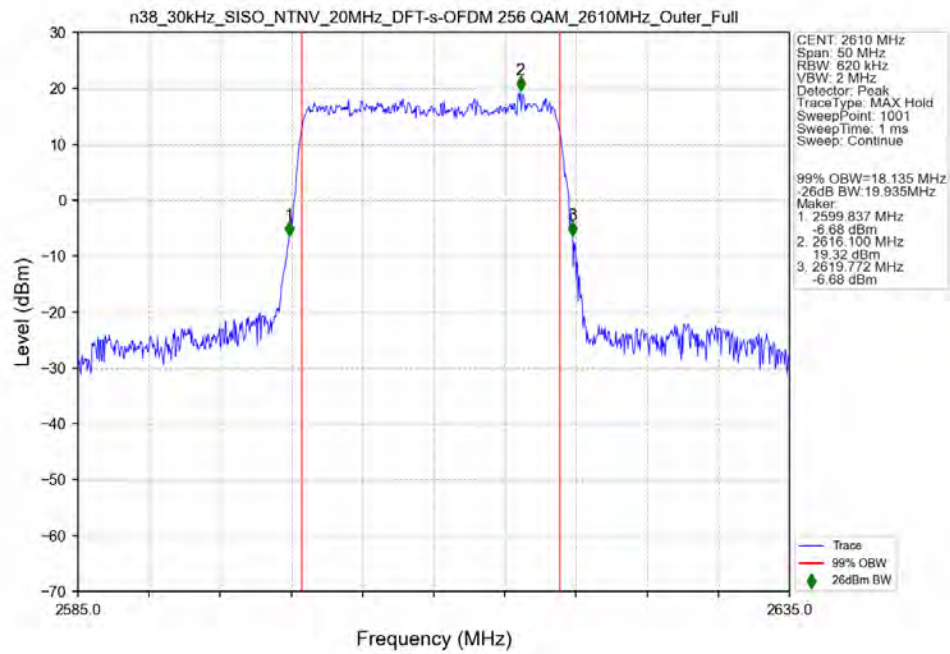
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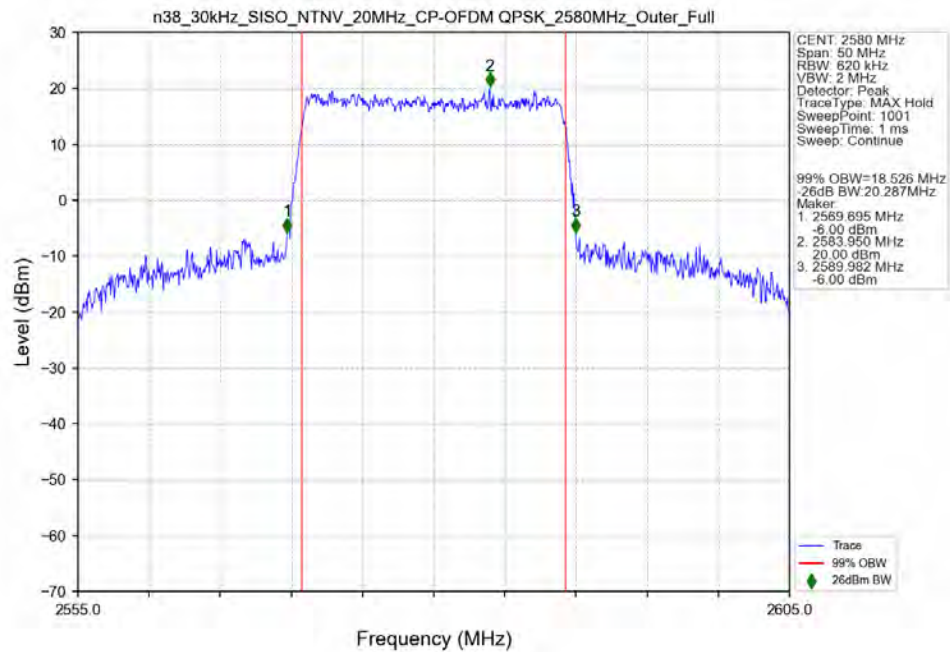
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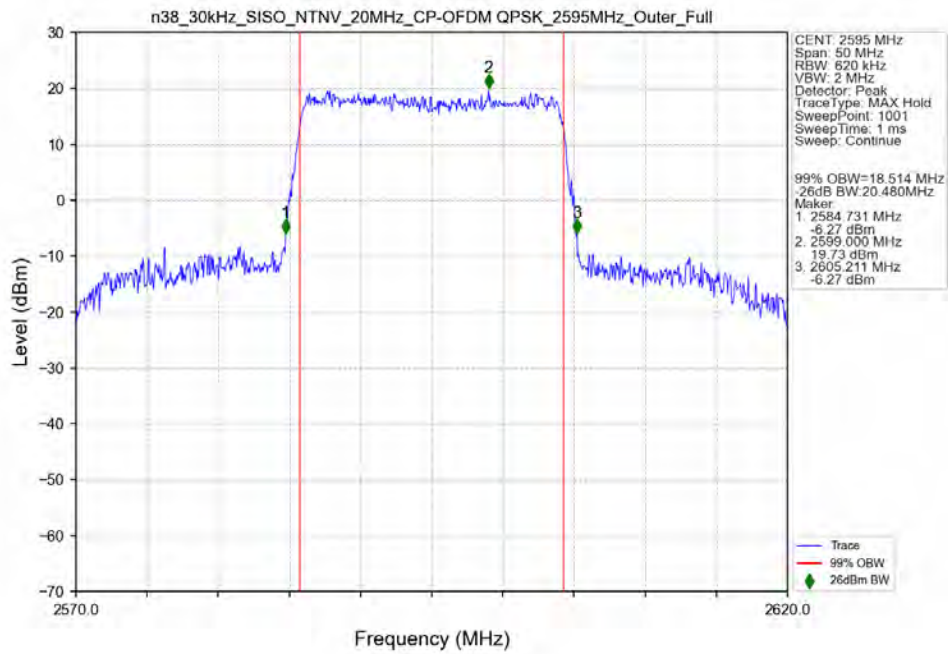
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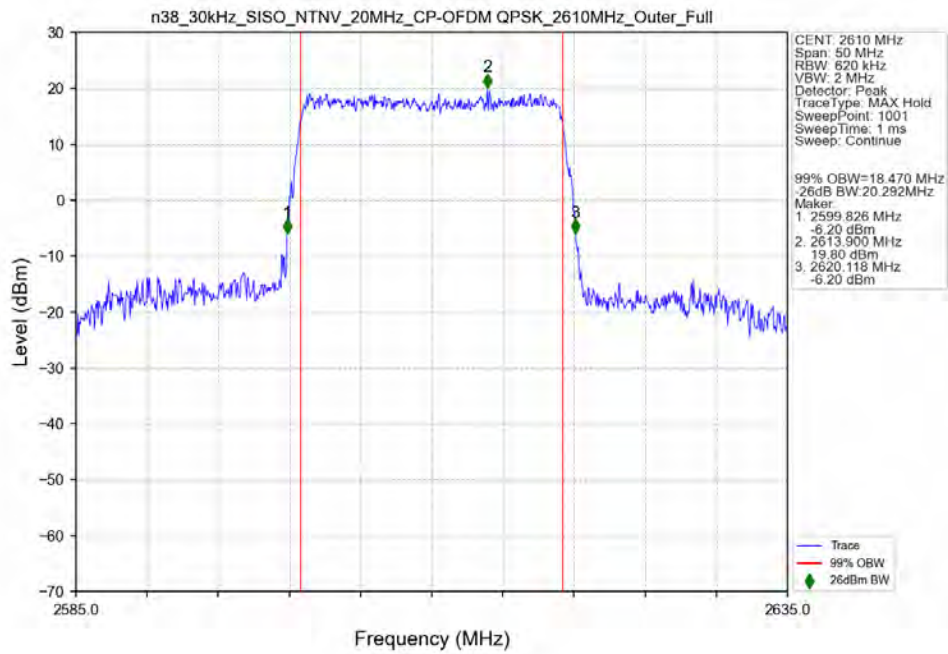
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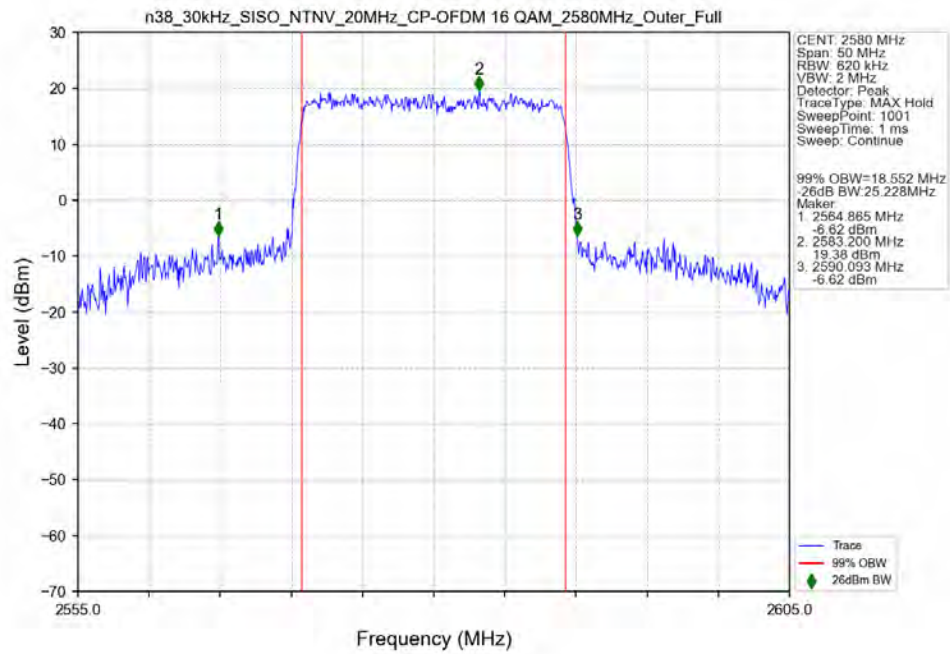
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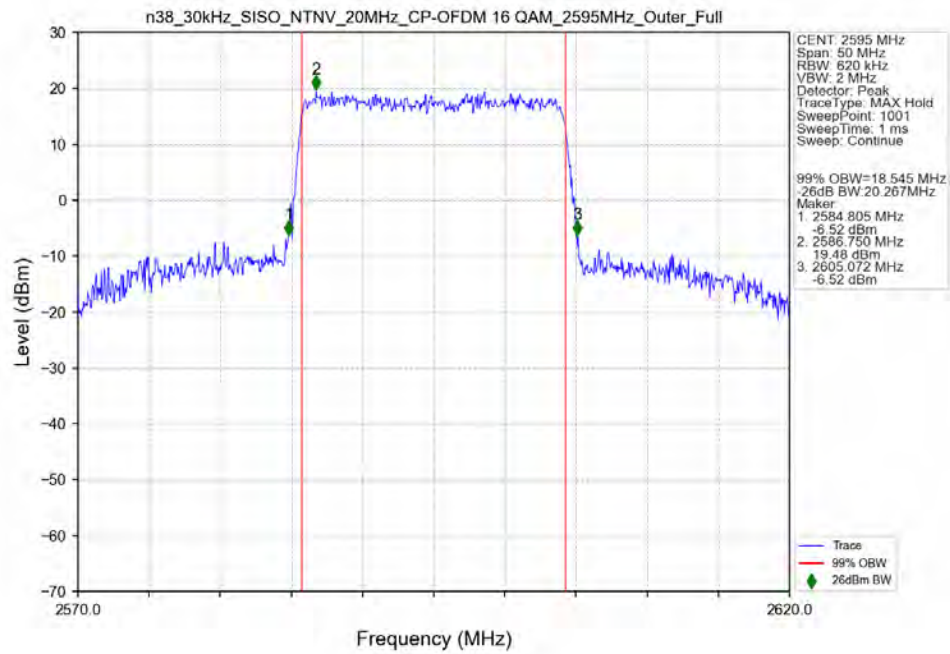
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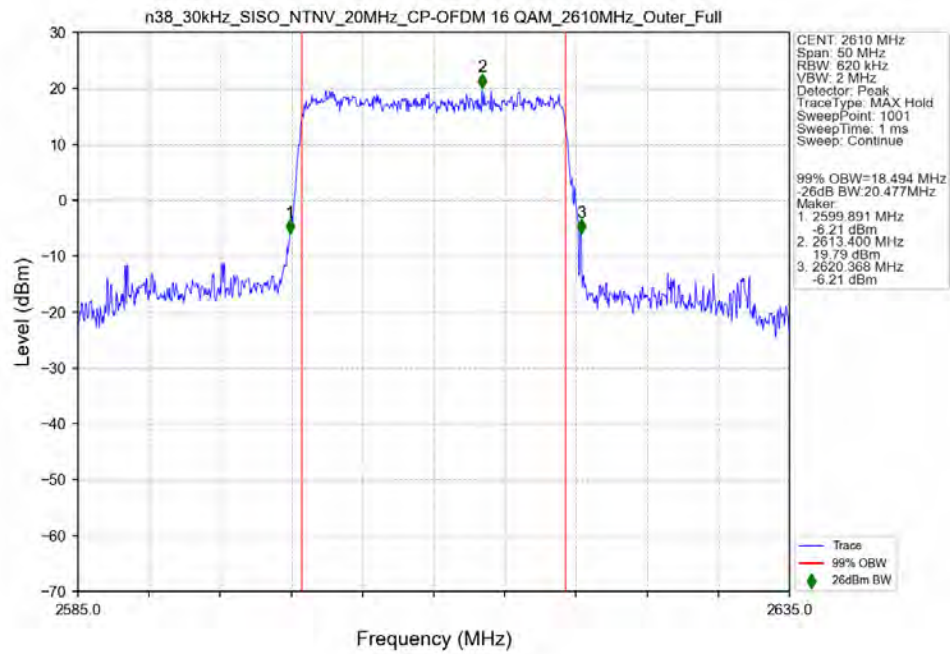
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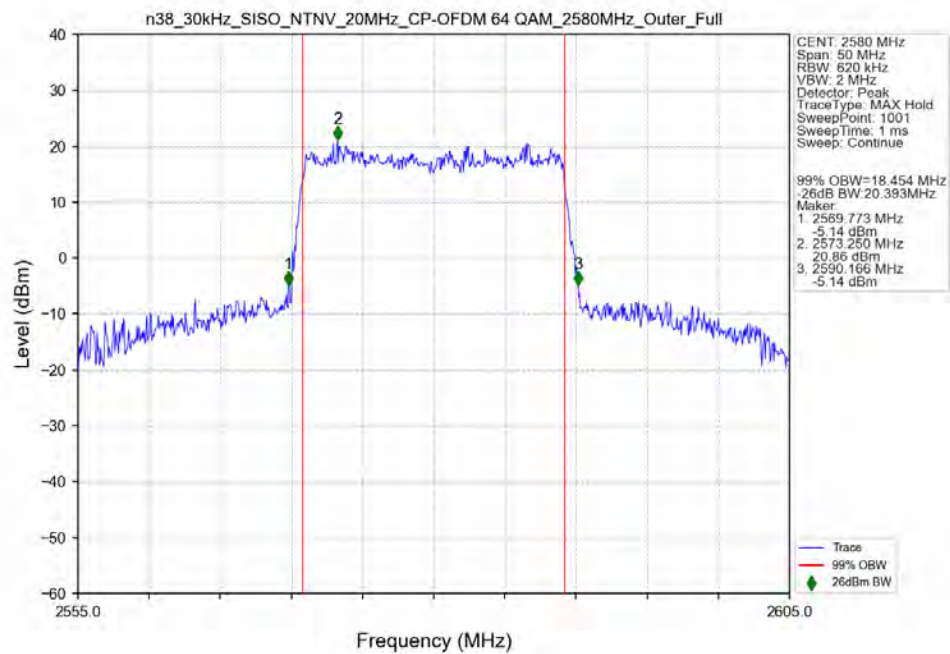
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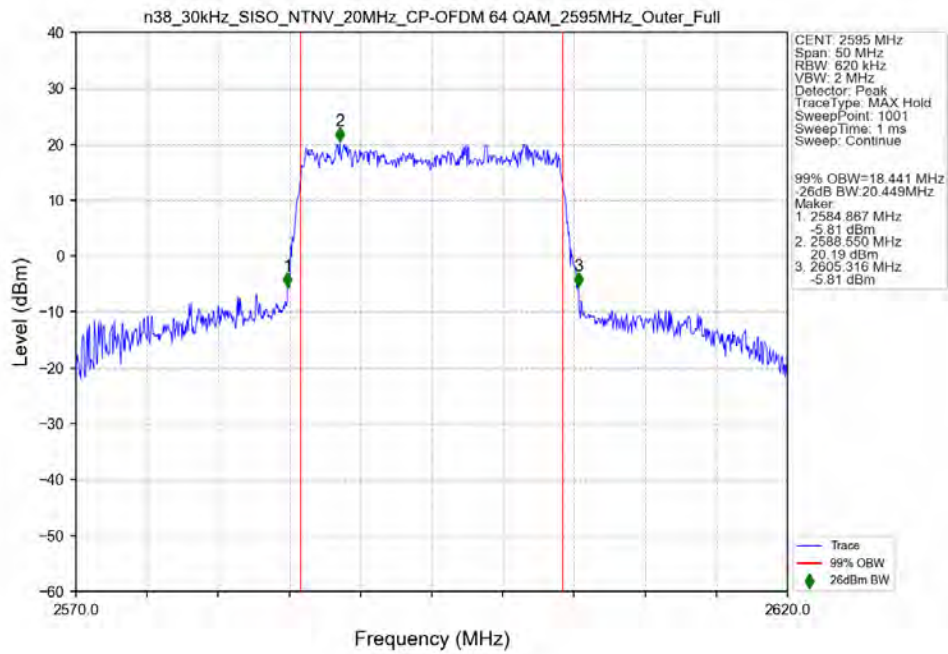
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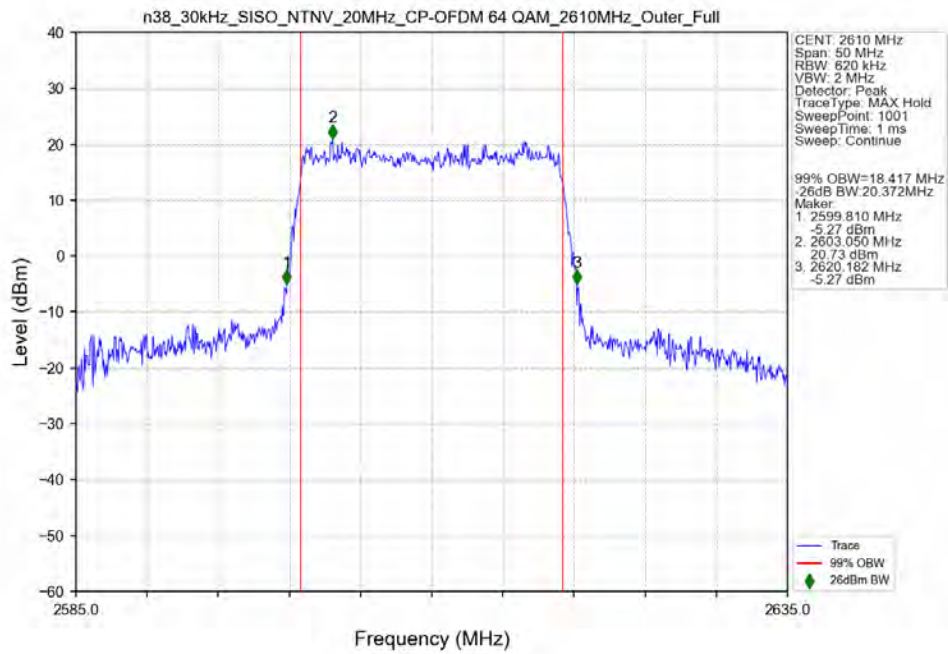
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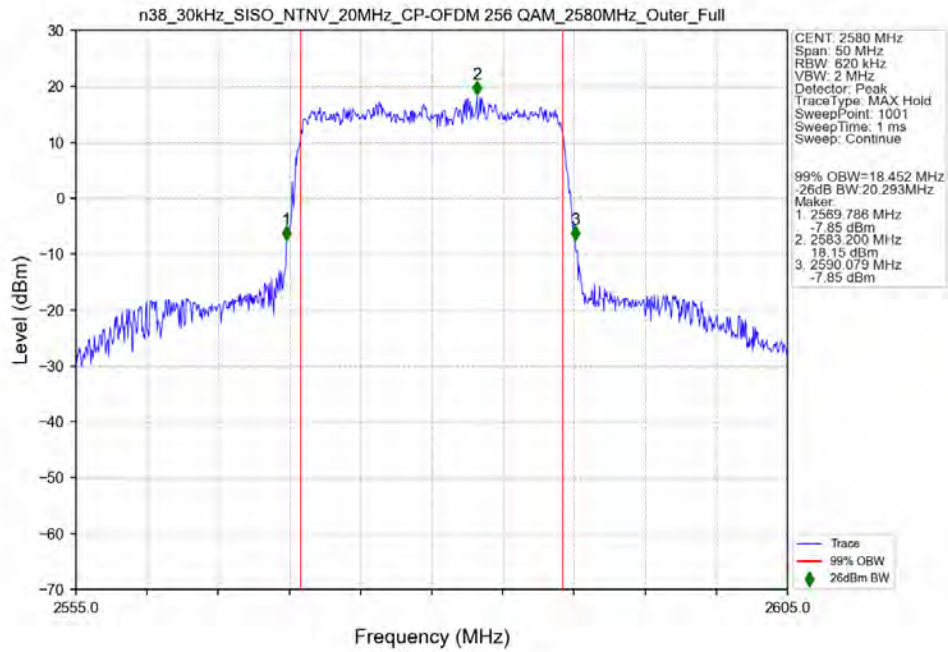
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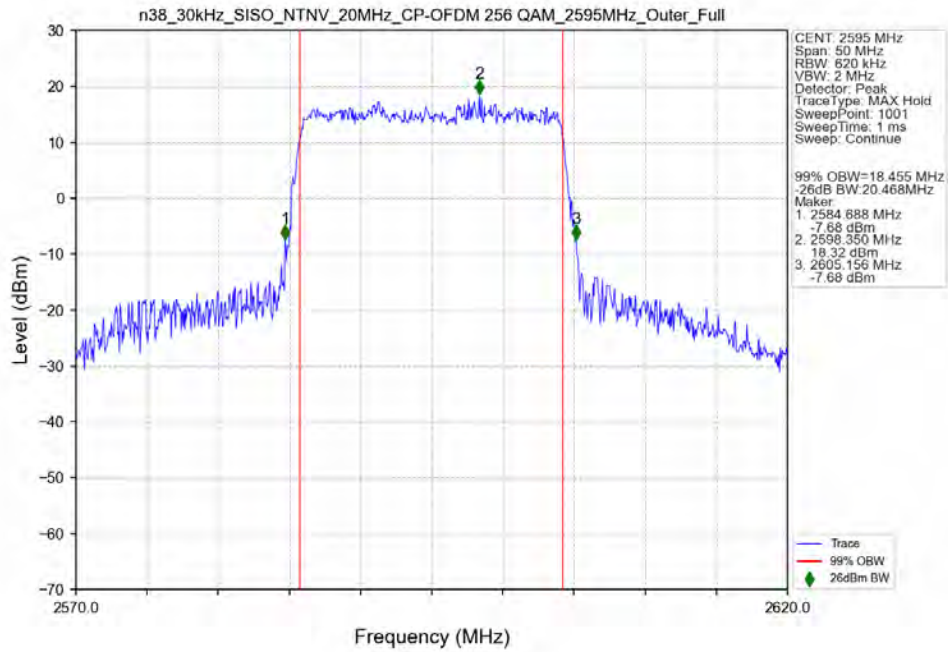
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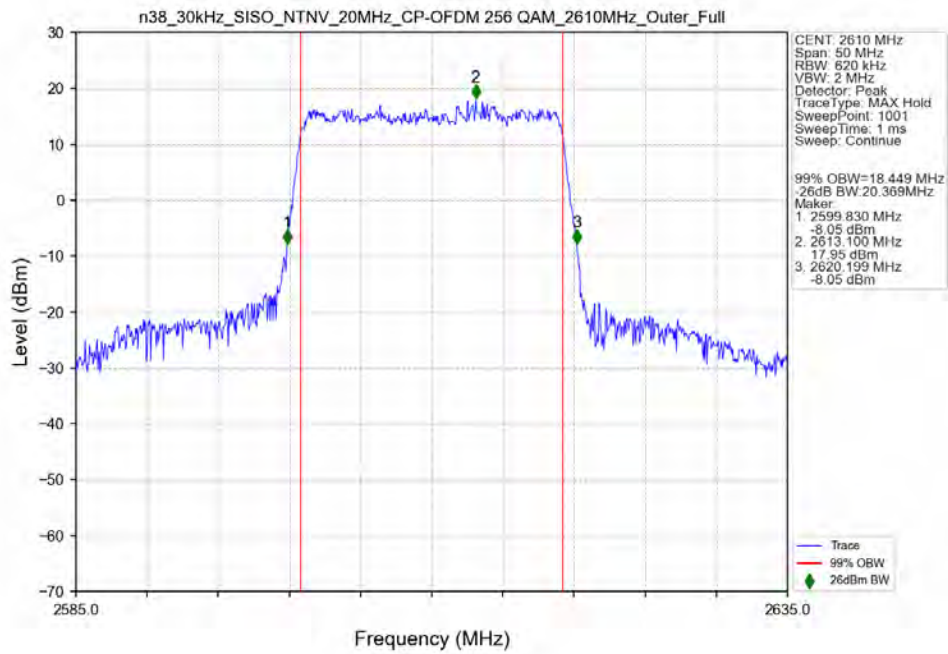
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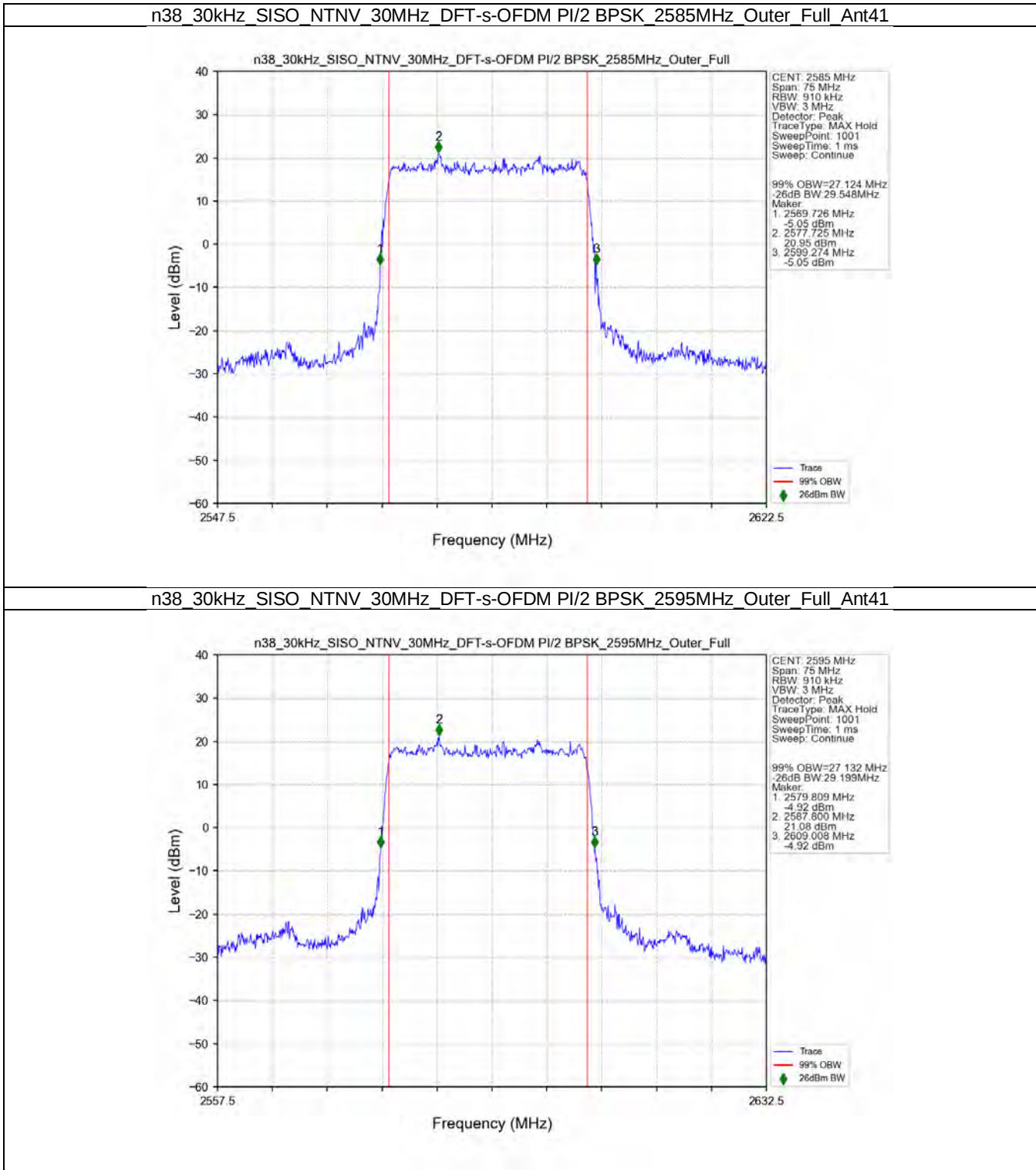
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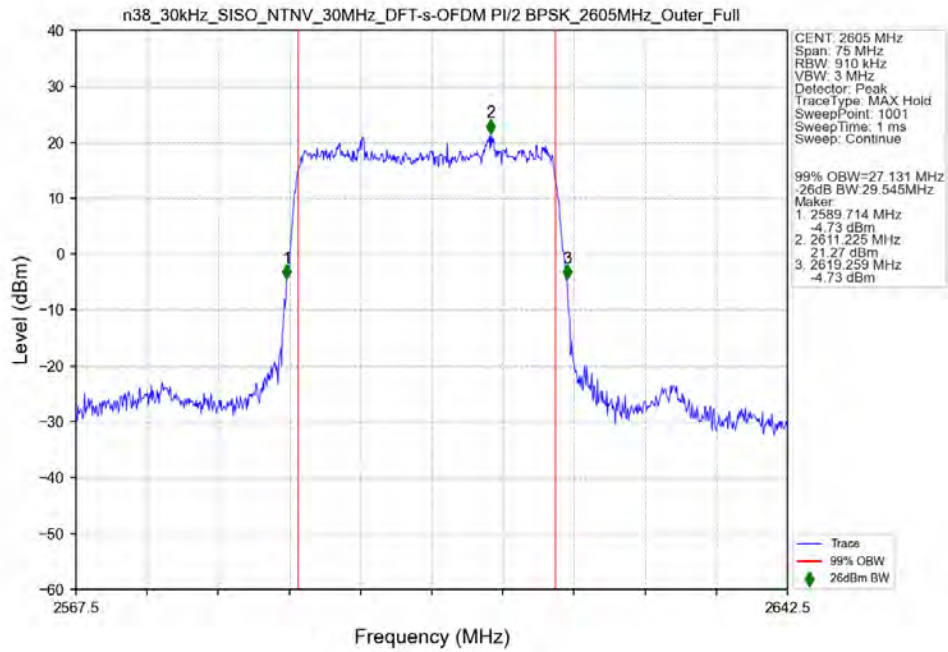
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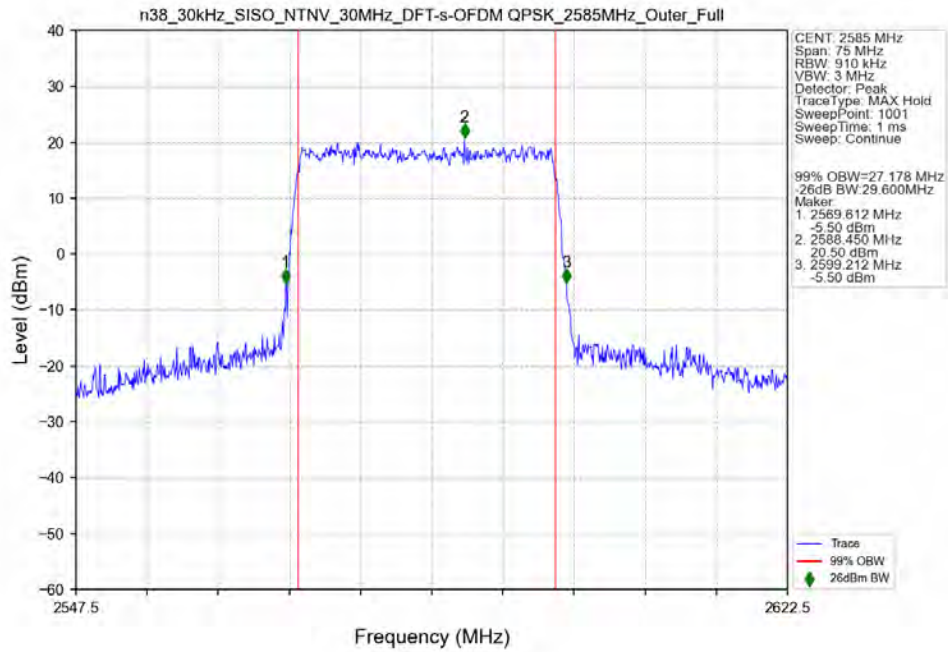
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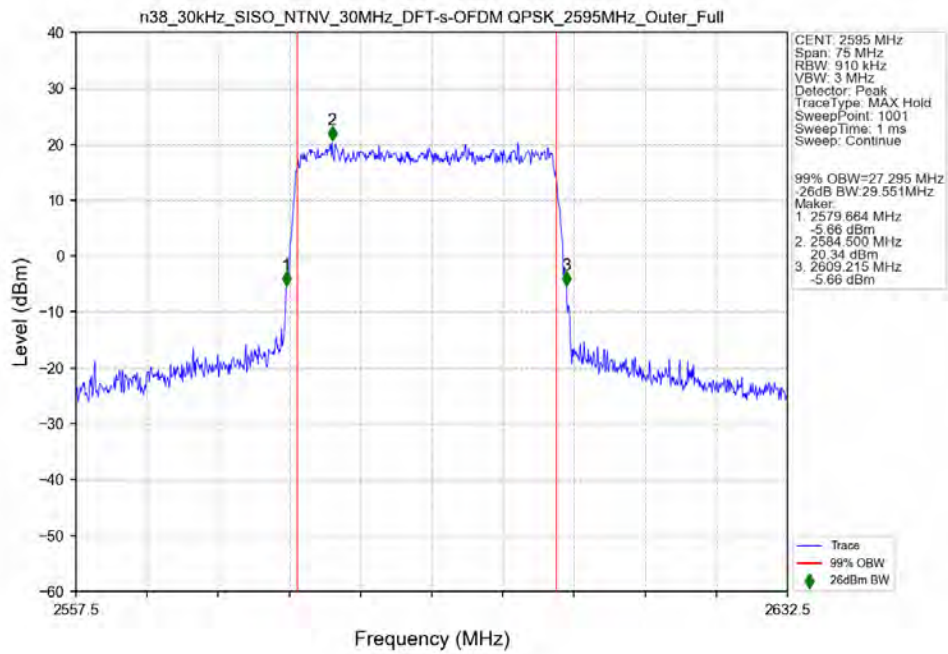
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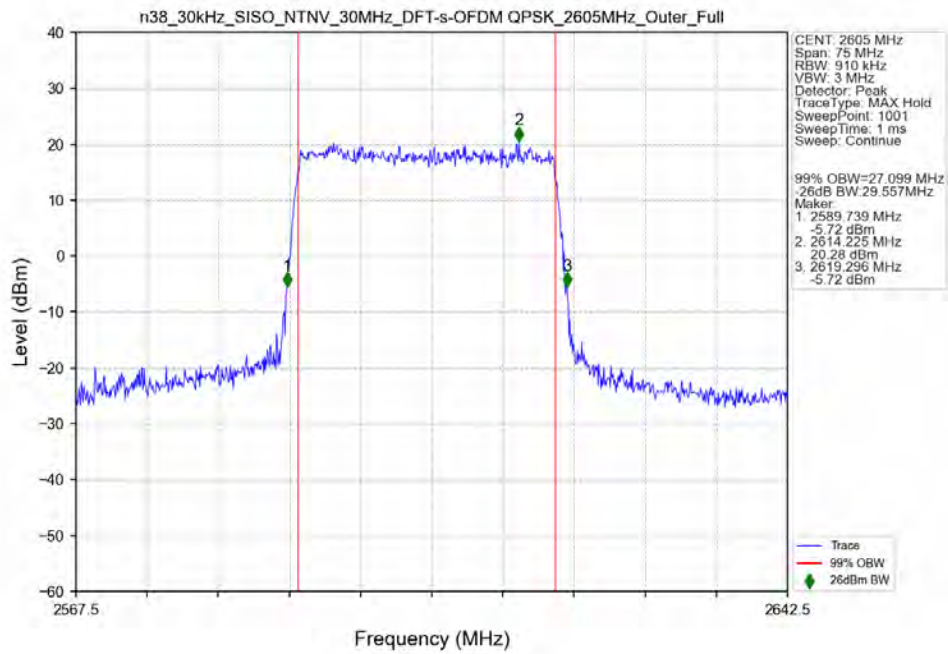
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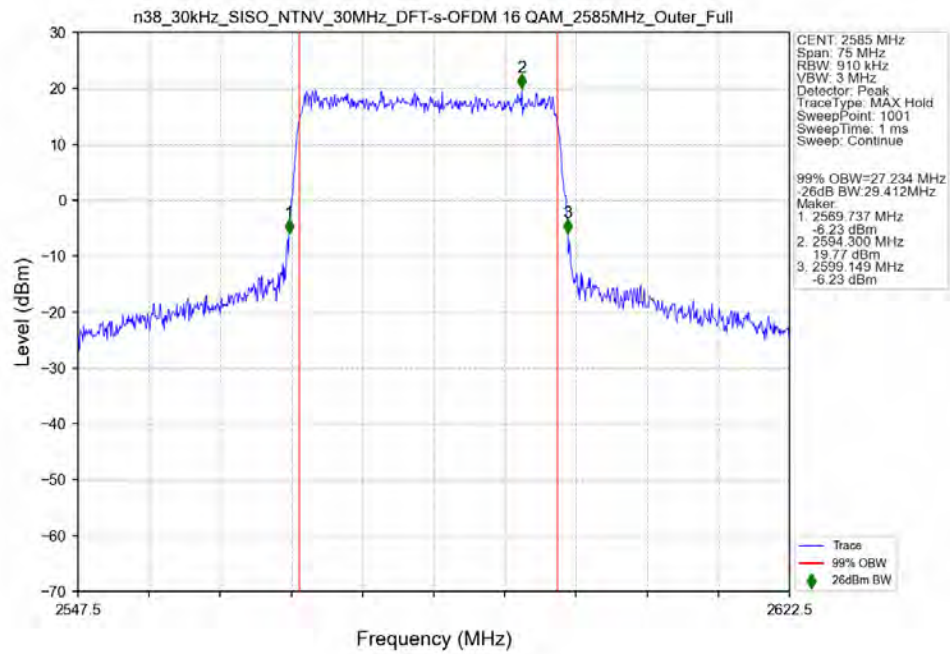
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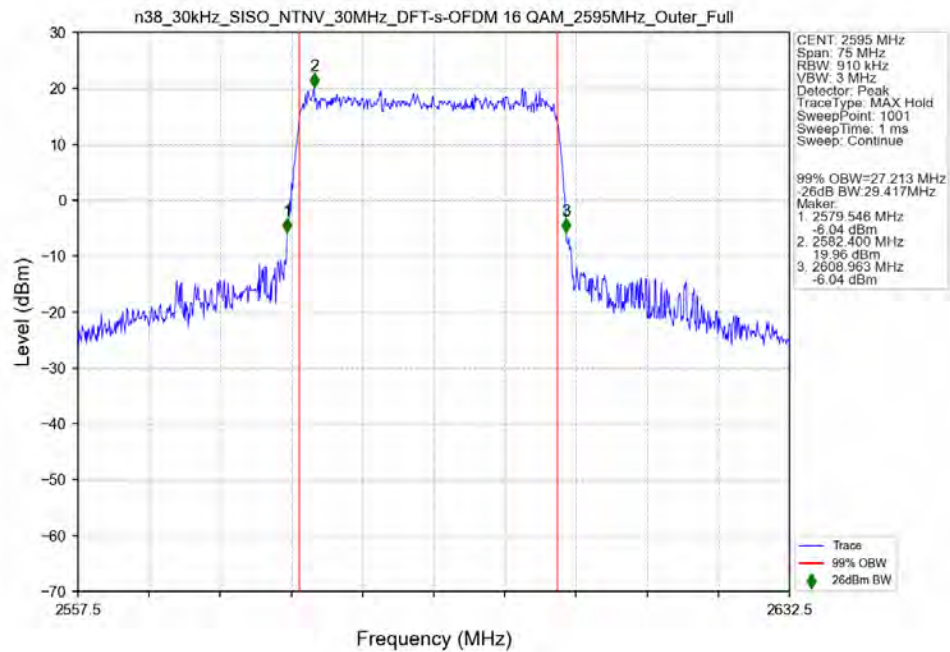
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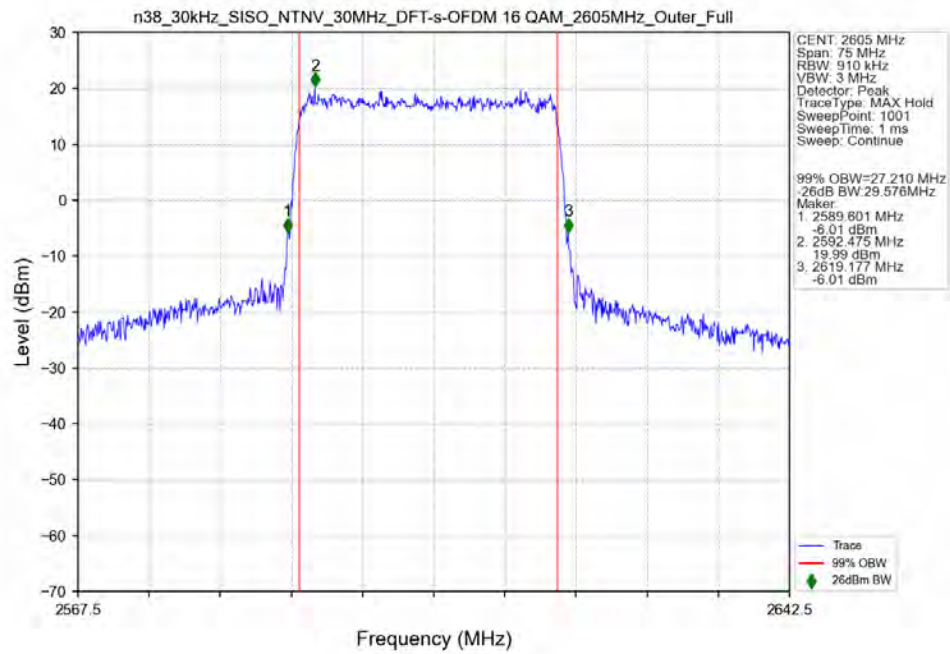
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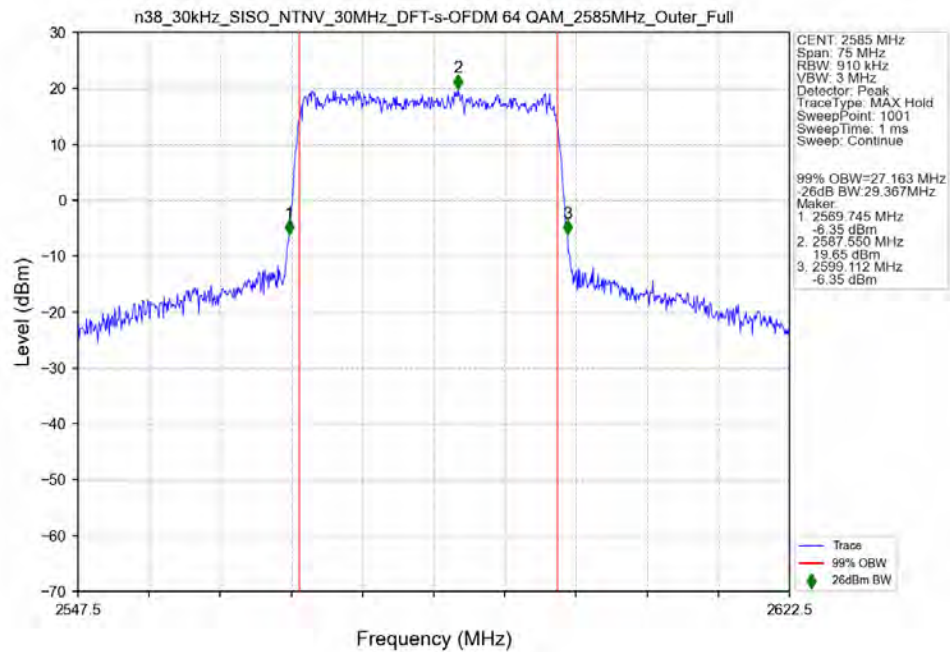
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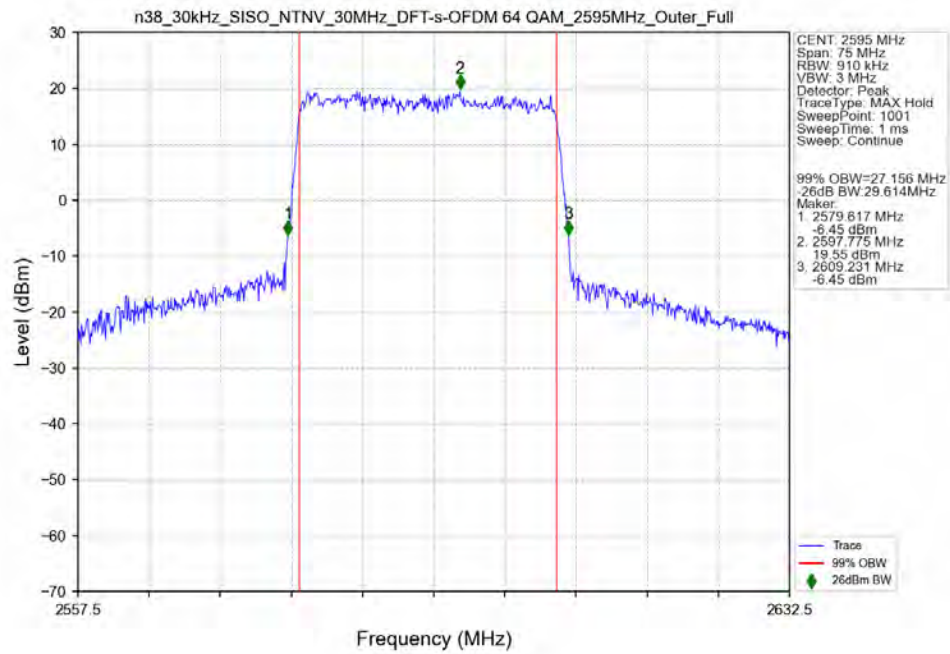
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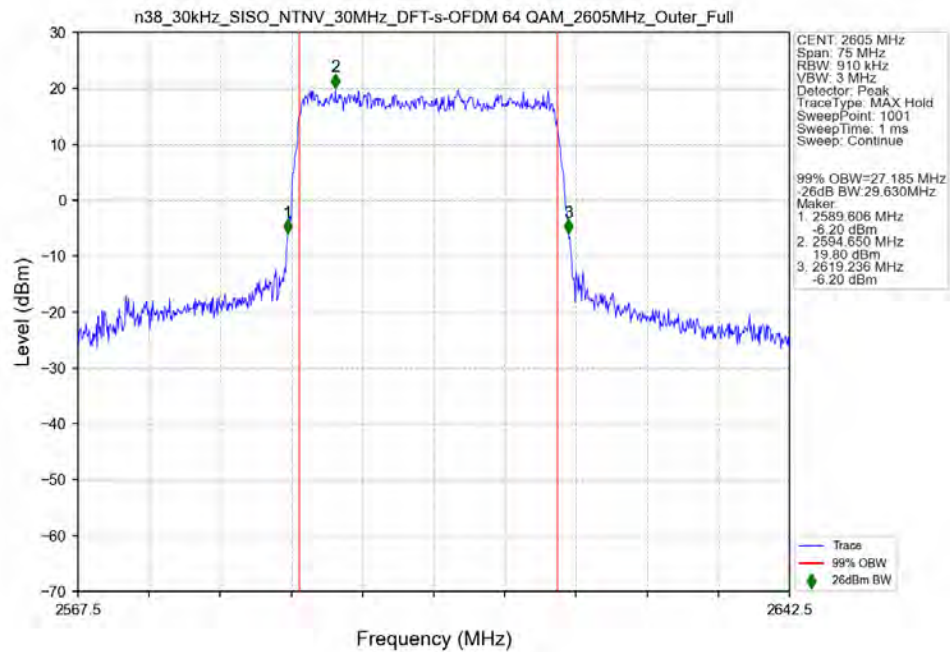
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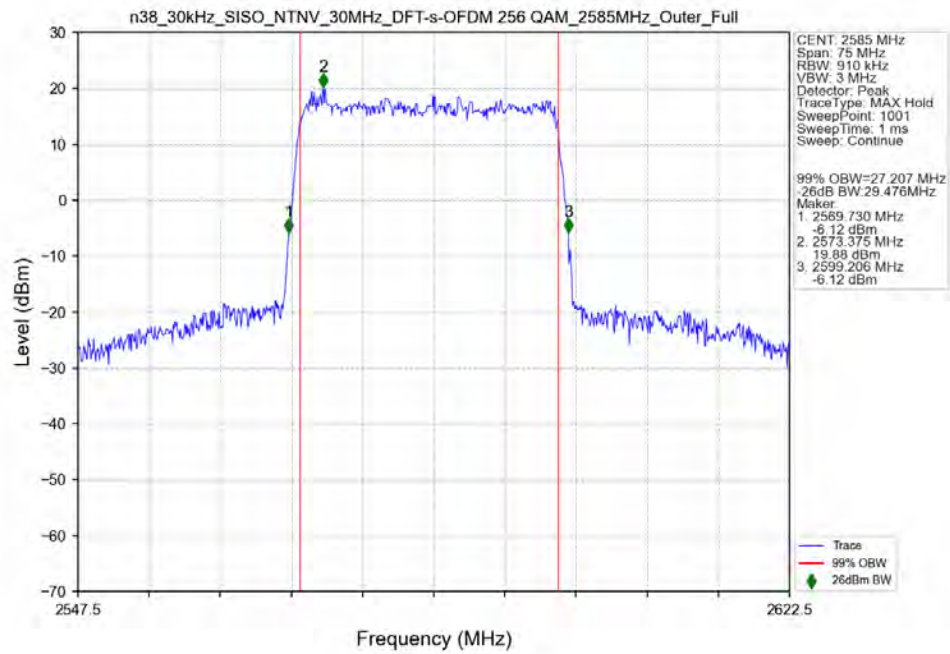
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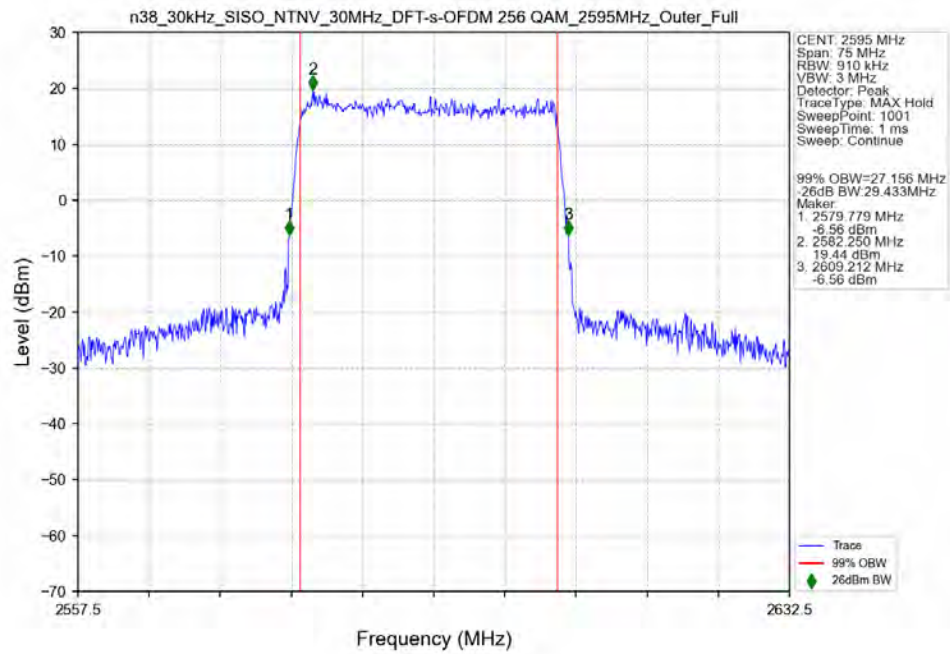
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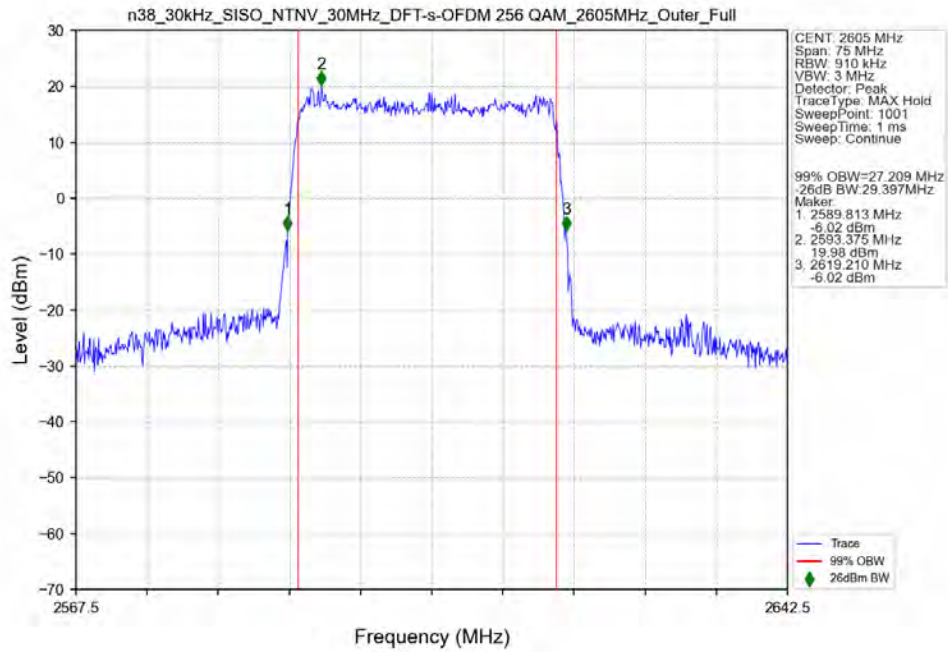
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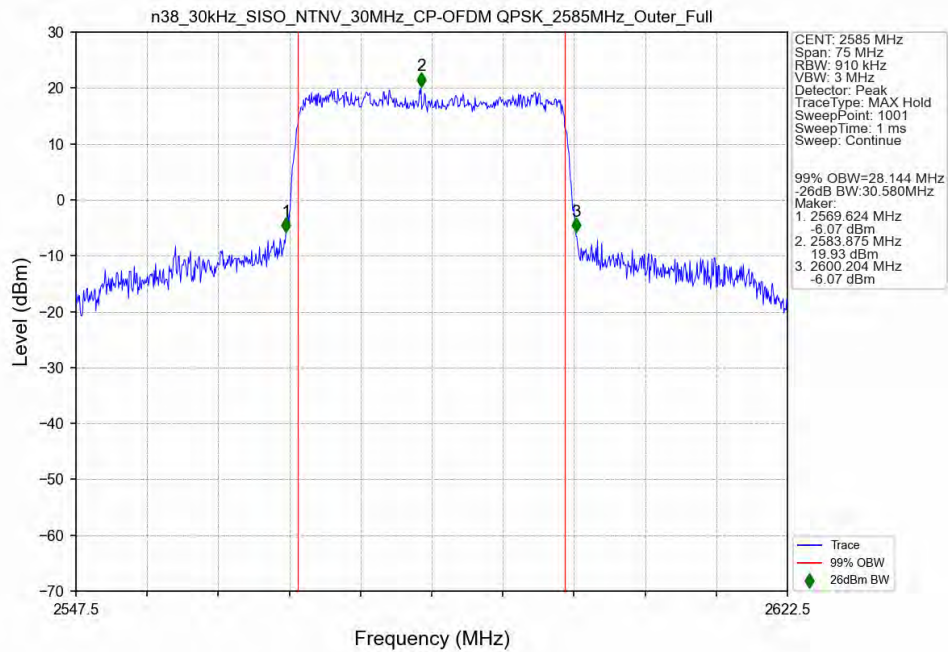
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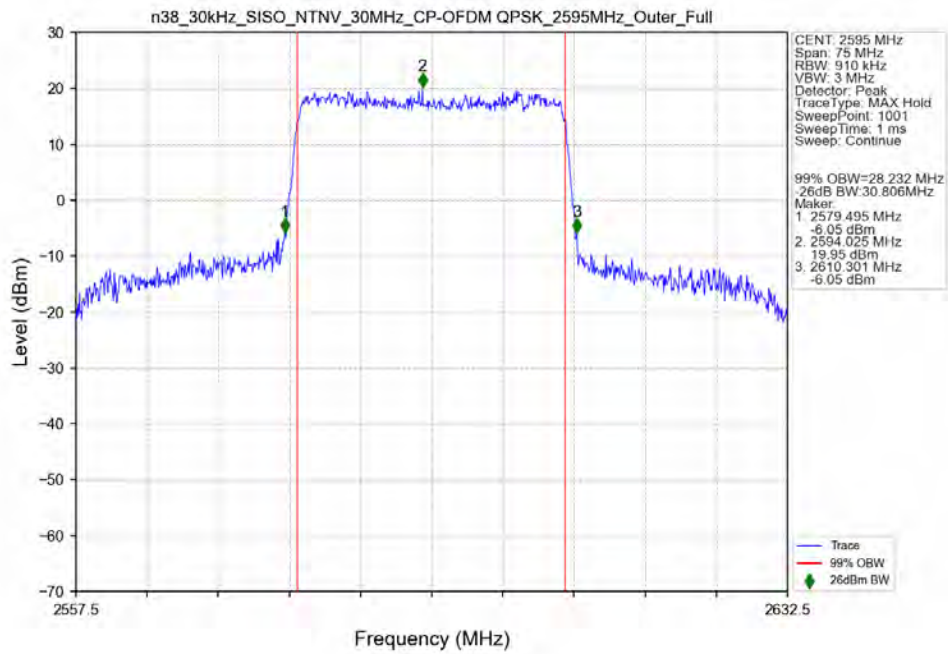
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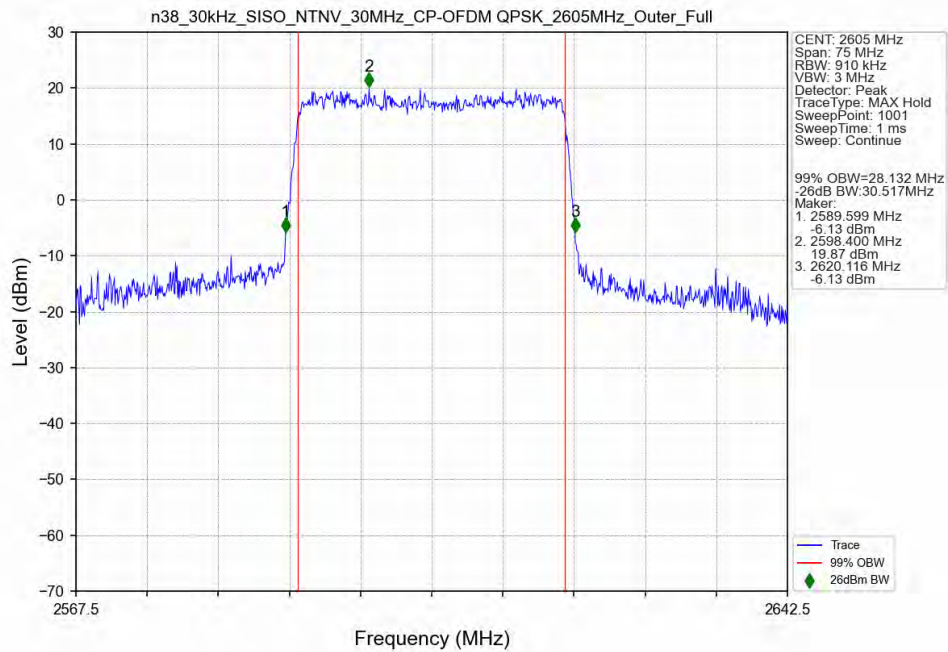
n38 30kHz SISO NTN 30MHz CP-OFDM QPSK 2585MHz Outer Full Ant41



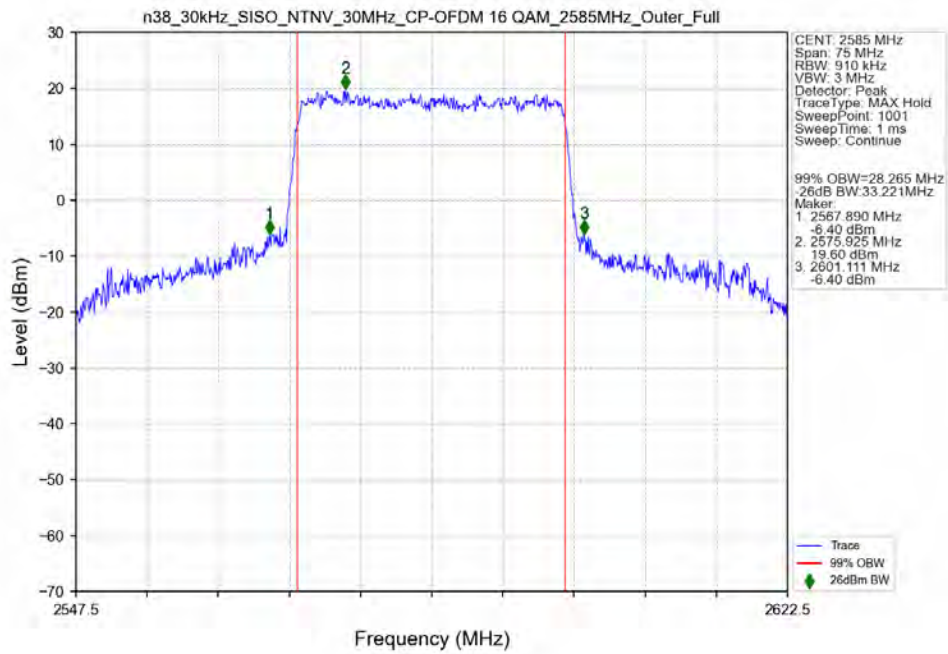
n38 30kHz SISO NTV 30MHz CP-OFDM QPSK 2595MHz Outer Full Ant41



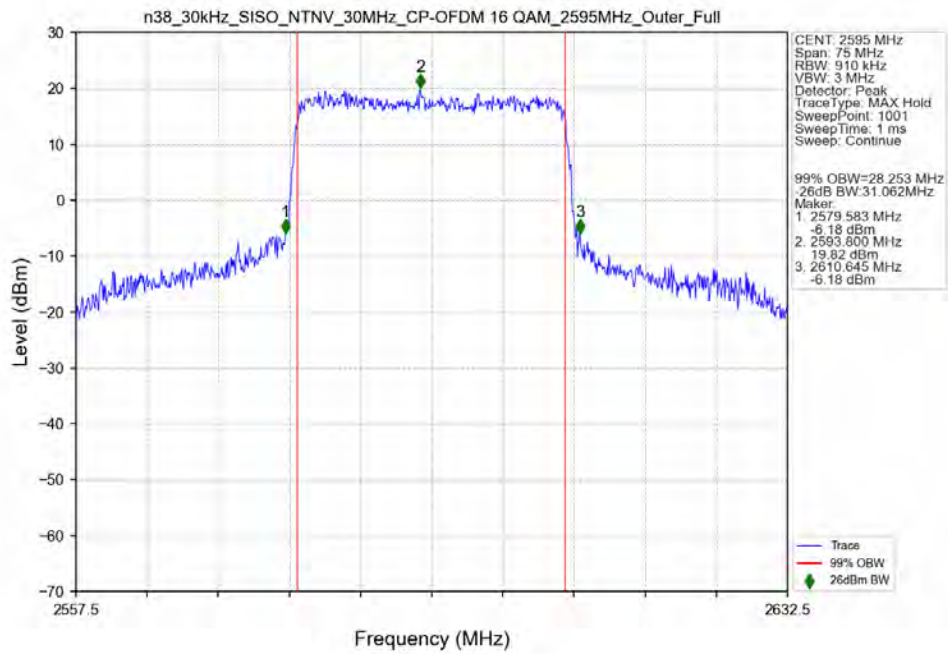
n38 30kHz SISO NTV 30MHz CP-OFDM QPSK 2605MHz Outer Full Ant41



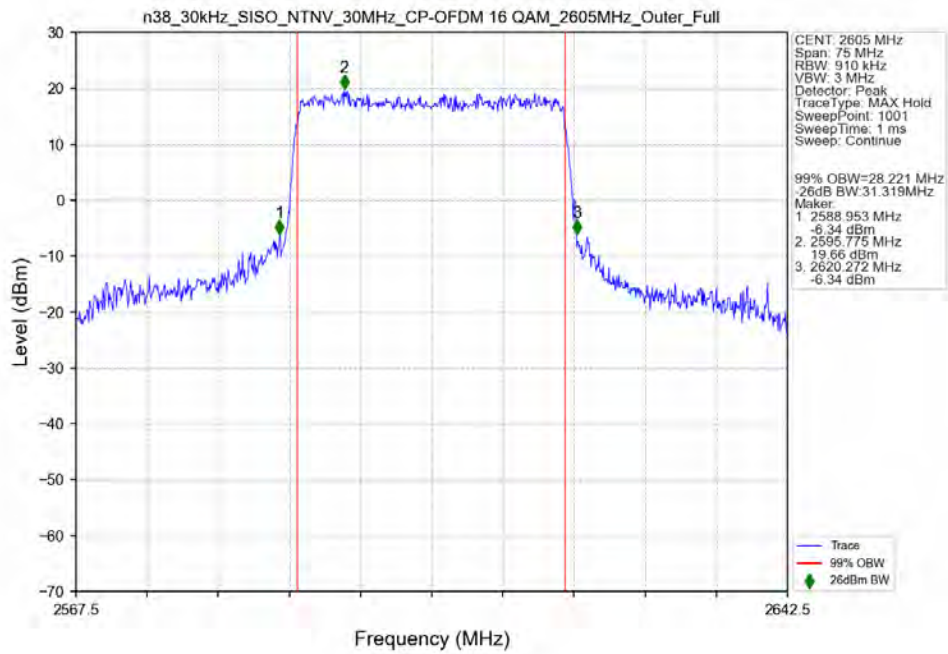
n38_30kHz_SISO_NTNV_30MHz_CP-OFDM_16_QAM_2585MHz_Outer_Full_Ant41



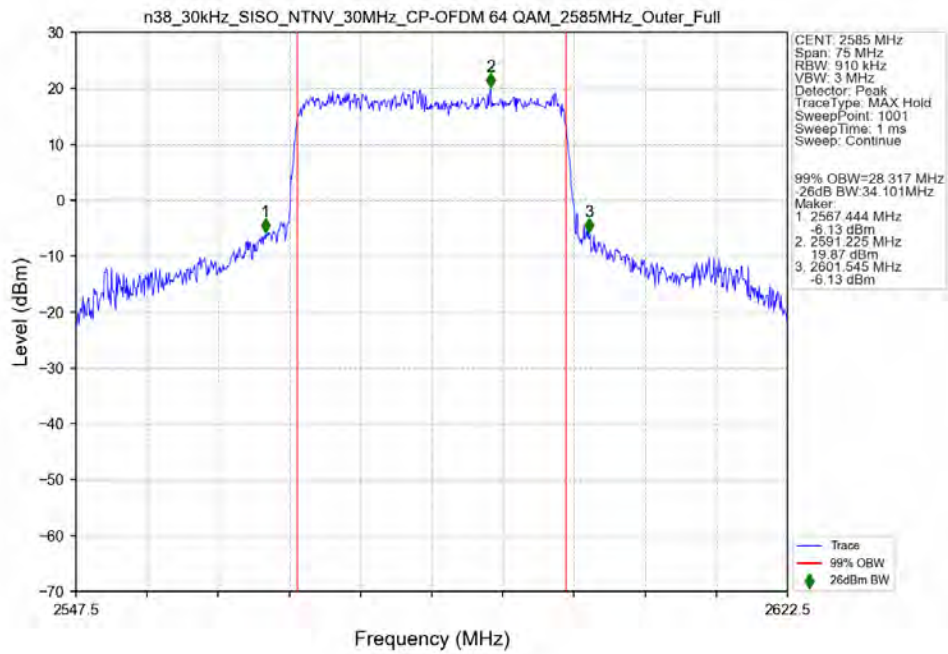
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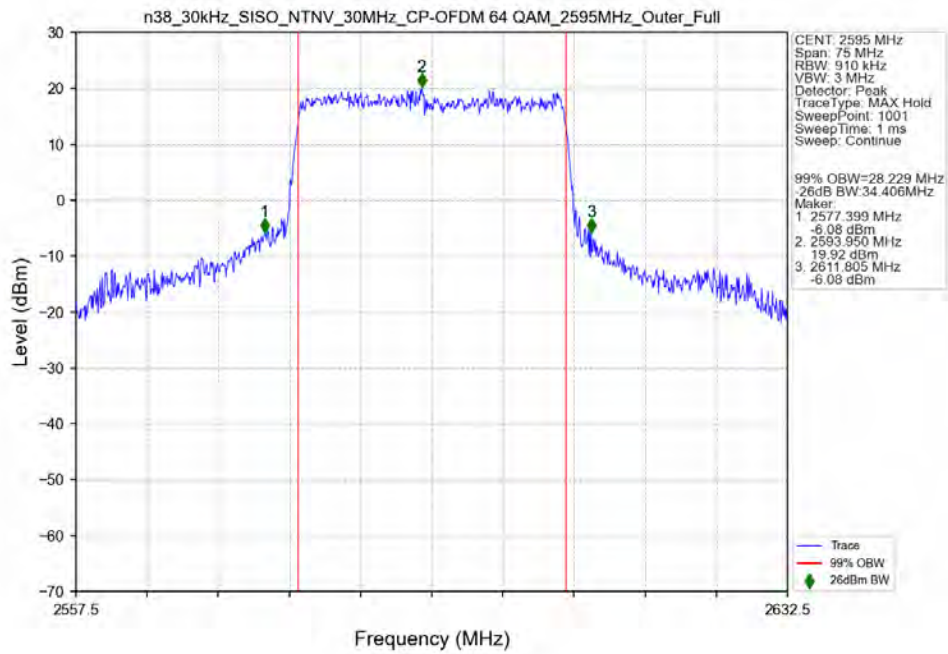
n38_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 2605MHz_Outer_Full_Ant41



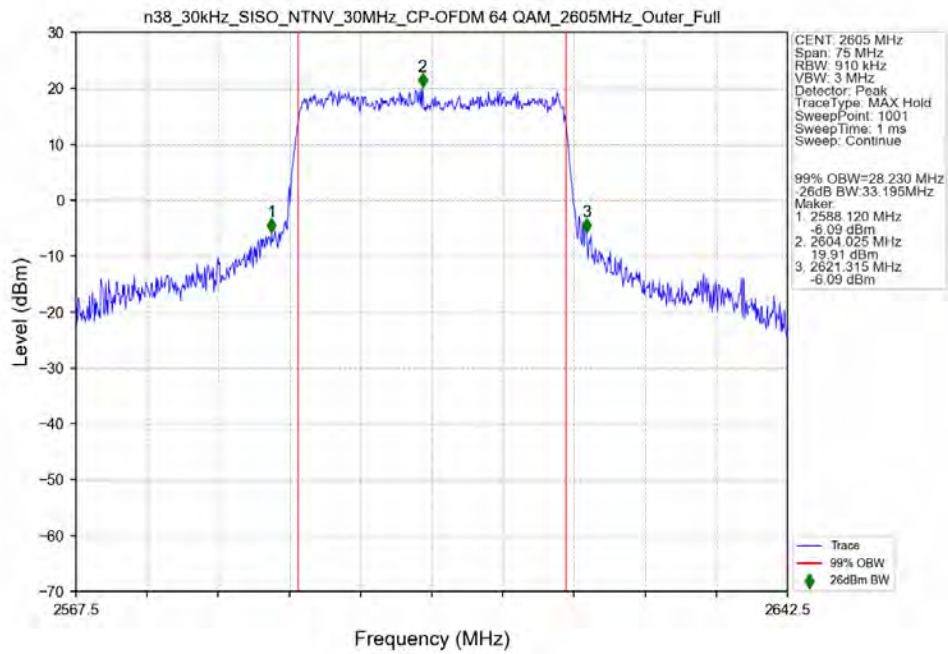
n38_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM 2585MHz_Outer_Full_Ant41



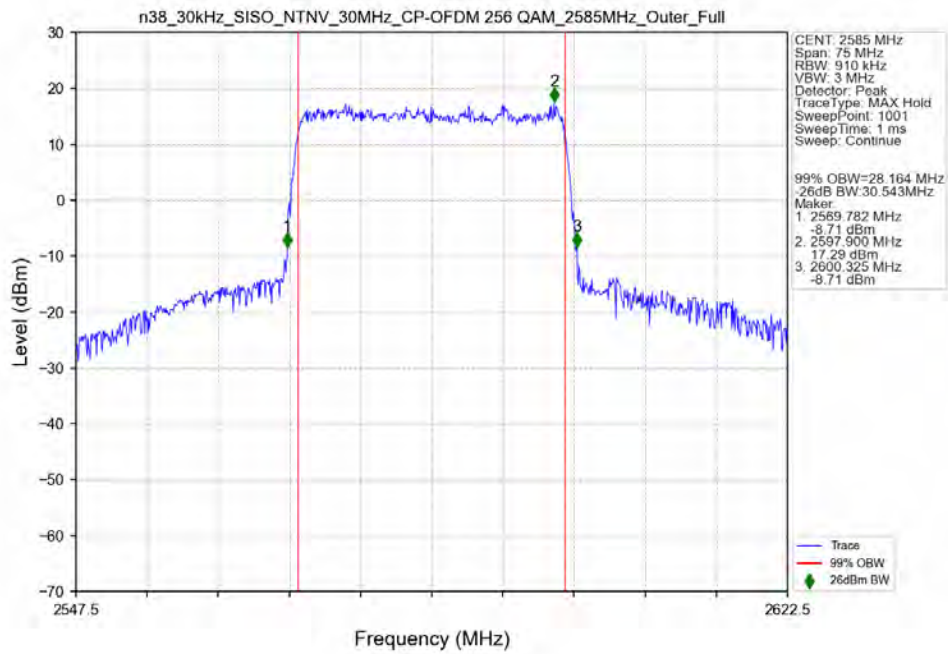
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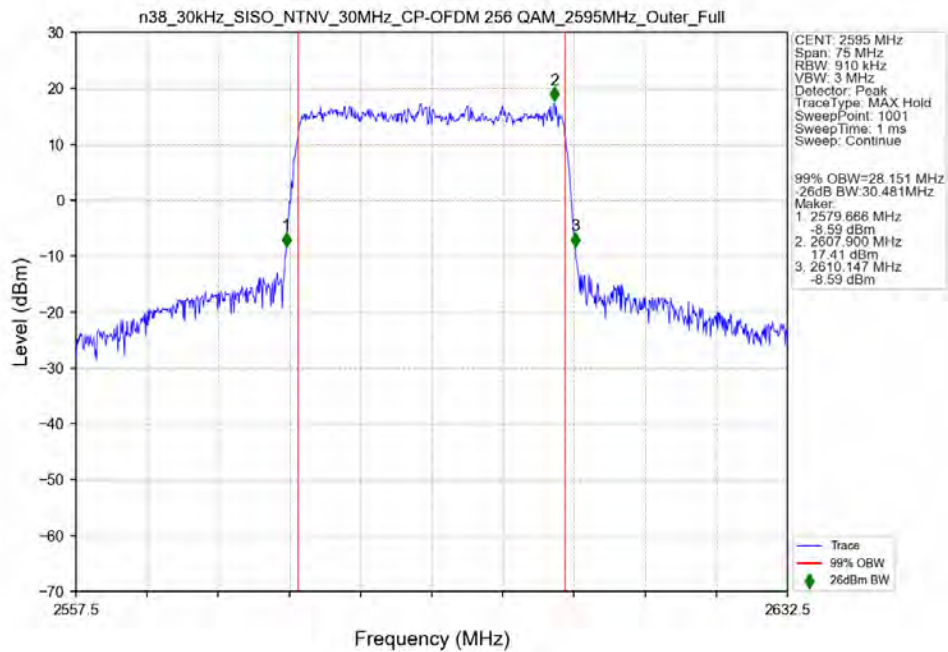
n38_30kHz_SISO_NTNV_30MHz_CP-OFDM_64_QAM_2605MHz_Outer_Full_Ant41



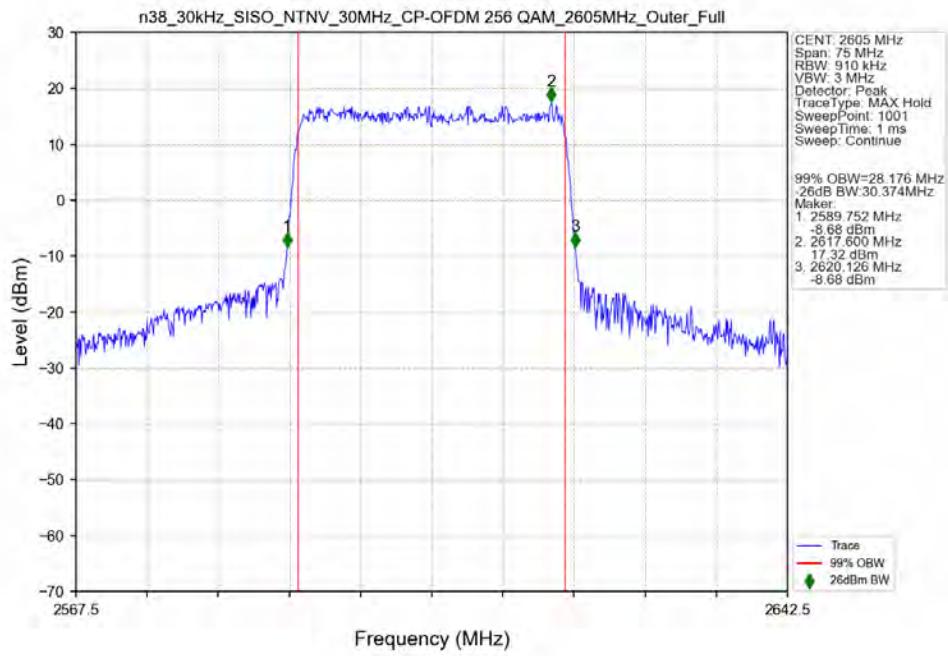
n38_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_2585MHz_Outer_Full_Ant41



n38_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_2595MHz_Outer_Full_Ant41



n38_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_2605MHz_Outer_Full_Ant41



The figure consists of two spectral plots, one for 2590 MHz and one for 2595 MHz. Both plots show the frequency response of a 30kHz SISO NTN system. The x-axis represents Frequency (MHz) from 2540.0 to 2640.0 for the top plot and 2545.0 to 2645.0 for the bottom plot. The y-axis represents Level (dBm) from -60 to 40. The plots show a signal level of approximately 20 dBm within a 40 MHz bandwidth, with a peak level of about 25 dBm. The plots include a trace, 99% OBW, and 26dBm BW markers.

Top Plot: n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_2590MHz_Outer_Full

Parameters:

- CENT: 2590 MHz
- Span: 100 MHz
- RBW: 1.2 MHz
- VBW: 4 MHz
- Detector: Peak
- Trace Type: MAX Hold
- Sweep Point: 1001
- Sweep Time: 1 ms
- Sweep: Continue

99% OBW = 36.079 MHz
26dB BW = 38.594 MHz

Marker:

- 1: 2569.627 MHz, -4.20 dBm
- 2: 2597.600 MHz, 21.80 dBm
- 3: 2608.221 MHz, -4.20 dBm

Bottom Plot: n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_2595MHz_Outer_Full Ant41

Parameters:

- CENT: 2595 MHz
- Span: 100 MHz
- RBW: 1.2 MHz
- VBW: 4 MHz
- Detector: Peak
- Trace Type: MAX Hold
- Sweep Point: 1001
- Sweep Time: 1 ms
- Sweep: Continue

99% OBW = 36.203 MHz
26dB BW = 38.835 MHz

Marker:

- 1: 2574.576 MHz, -3.80 dBm
- 2: 2602.600 MHz, 22.20 dBm
- 3: 2613.411 MHz, -3.80 dBm

