

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30k_SISO_20MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	/	/	Ant3	/	/	Limit	
DFT-s-OFDM QPSK	2580	Edge 1RB Left	23.65	/	/	24.31	/	/	<=33	Pass
		Edge 1RB Right	23.60	/	/	24.26	/	/	<=33	Pass
		Outer Full	23.57	/	/	24.23	/	/	<=33	Pass
		Inner Full	24.02	/	/	24.68	/	/	<=33	Pass
		Inner 1RB Left	23.99	/	/	24.65	/	/	<=33	Pass
		Inner 1RB Right	24.11	/	/	24.77	/	/	<=33	Pass
	2595	Edge 1RB Left	23.42	/	/	24.08	/	/	<=33	Pass
		Edge 1RB Right	23.39	/	/	24.05	/	/	<=33	Pass
		Outer Full	23.52	/	/	24.18	/	/	<=33	Pass
		Inner Full	23.88	/	/	24.54	/	/	<=33	Pass
		Inner 1RB Left	23.91	/	/	24.57	/	/	<=33	Pass
		Inner 1RB Right	23.77	/	/	24.43	/	/	<=33	Pass
	2610	Edge 1RB Left	23.49	/	/	24.15	/	/	<=33	Pass
		Edge 1RB Right	23.62	/	/	24.28	/	/	<=33	Pass
		Outer Full	23.51	/	/	24.17	/	/	<=33	Pass
		Inner Full	23.90	/	/	24.56	/	/	<=33	Pass
		Inner 1RB Left	23.90	/	/	24.56	/	/	<=33	Pass
		Inner 1RB Right	23.98	/	/	24.64	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Edge 1RB Left	22.65	/	/	23.31	/	/	<=33	Pass
		Edge 1RB Right	22.65	/	/	23.31	/	/	<=33	Pass
		Outer Full	22.70	/	/	23.36	/	/	<=33	Pass
		Inner Full	23.66	/	/	24.32	/	/	<=33	Pass
		Inner 1RB Left	23.69	/	/	24.35	/	/	<=33	Pass
		Inner 1RB Right	23.70	/	/	24.36	/	/	<=33	Pass
	2595	Edge 1RB Left	22.62	/	/	23.28	/	/	<=33	Pass
		Edge 1RB Right	22.56	/	/	23.22	/	/	<=33	Pass
		Outer Full	22.53	/	/	23.19	/	/	<=33	Pass
		Inner Full	23.53	/	/	24.19	/	/	<=33	Pass
		Inner 1RB Left	23.49	/	/	24.15	/	/	<=33	Pass
		Inner 1RB Right	23.45	/	/	24.11	/	/	<=33	Pass
	2610	Edge 1RB Left	22.67	/	/	23.33	/	/	<=33	Pass
		Edge 1RB Right	22.69	/	/	23.35	/	/	<=33	Pass
		Outer Full	22.55	/	/	23.21	/	/	<=33	Pass
		Inner Full	23.56	/	/	24.22	/	/	<=33	Pass
		Inner 1RB Left	23.46	/	/	24.12	/	/	<=33	Pass
		Inner 1RB Right	23.59	/	/	24.25	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Edge 1RB Left	22.23	/	/	22.89	/	/	<=33	Pass
		Edge 1RB Right	22.25	/	/	22.91	/	/	<=33	Pass
		Outer Full	22.13	/	/	22.79	/	/	<=33	Pass
		Inner Full	22.16	/	/	22.82	/	/	<=33	Pass
		Inner 1RB Left	22.25	/	/	22.91	/	/	<=33	Pass
		Inner 1RB Right	22.25	/	/	22.91	/	/	<=33	Pass
	2595	Edge 1RB Left	21.98	/	/	22.64	/	/	<=33	Pass
		Edge 1RB Right	21.90	/	/	22.56	/	/	<=33	Pass
		Outer Full	22.05	/	/	22.71	/	/	<=33	Pass
		Inner Full	22.01	/	/	22.67	/	/	<=33	Pass
		Inner 1RB Left	22.01	/	/	22.67	/	/	<=33	Pass
		Inner 1RB Right	21.90	/	/	22.56	/	/	<=33	Pass
	2610	Edge 1RB Left	21.99	/	/	22.65	/	/	<=33	Pass

		Edge_1RB_Right	22.01	/	/	22.67	/	/	<=33	Pass
		Outer_Full	22.02	/	/	22.68	/	/	<=33	Pass
		Inner_Full	22.00	/	/	22.66	/	/	<=33	Pass
		Inner_1RB_Left	21.96	/	/	22.62	/	/	<=33	Pass
		Inner_1RB_Right	22.01	/	/	22.67	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Edge_1RB_Left	20.05	/	/	20.71	/	/	<=33	Pass
		Edge_1RB_Right	20.04	/	/	20.70	/	/	<=33	Pass
		Outer_Full	20.10	/	/	20.76	/	/	<=33	Pass
		Inner_Full	20.09	/	/	20.75	/	/	<=33	Pass
		Inner_1RB_Left	19.97	/	/	20.63	/	/	<=33	Pass
	2595	Inner_1RB_Right	20.03	/	/	20.69	/	/	<=33	Pass
		Edge_1RB_Left	19.93	/	/	20.59	/	/	<=33	Pass
		Edge_1RB_Right	19.77	/	/	20.43	/	/	<=33	Pass
		Outer_Full	19.99	/	/	20.65	/	/	<=33	Pass
		Inner_Full	19.94	/	/	20.60	/	/	<=33	Pass
	2610	Inner_1RB_Left	19.92	/	/	20.58	/	/	<=33	Pass
		Inner_1RB_Right	19.83	/	/	20.49	/	/	<=33	Pass
		Edge_1RB_Left	19.93	/	/	20.59	/	/	<=33	Pass
		Edge_1RB_Right	19.92	/	/	20.58	/	/	<=33	Pass
		Outer_Full	19.98	/	/	20.64	/	/	<=33	Pass
CP-OFDM QPSK	2580	Inner_Full	19.97	/	/	20.63	/	/	<=33	Pass
		Inner_1RB_Left	19.92	/	/	20.58	/	/	<=33	Pass
		Inner_1RB_Right	19.93	/	/	20.59	/	/	<=33	Pass
		Edge_1RB_Left	21.65	/	/	22.31	/	/	<=33	Pass
		Edge_1RB_Right	21.72	/	/	22.38	/	/	<=33	Pass
	2595	Outer_Full	21.63	/	/	22.29	/	/	<=33	Pass
		Inner_Full	23.18	/	/	23.84	/	/	<=33	Pass
		Inner_1RB_Left	23.02	/	/	23.68	/	/	<=33	Pass
		Inner_1RB_Right	23.21	/	/	23.87	/	/	<=33	Pass
		Edge_1RB_Left	21.44	/	/	22.10	/	/	<=33	Pass
	2610	Edge_1RB_Right	21.39	/	/	22.05	/	/	<=33	Pass
		Outer_Full	21.52	/	/	22.18	/	/	<=33	Pass
		Inner_Full	23.15	/	/	23.81	/	/	<=33	Pass
		Inner_1RB_Left	23.12	/	/	23.78	/	/	<=33	Pass
		Inner_1RB_Right	22.86	/	/	23.52	/	/	<=33	Pass
CP-OFDM 16 QAM	2580	Edge_1RB_Left	21.49	/	/	22.15	/	/	<=33	Pass
		Edge_1RB_Right	21.57	/	/	22.23	/	/	<=33	Pass
		Outer_Full	21.50	/	/	22.16	/	/	<=33	Pass
		Inner_Full	23.04	/	/	23.70	/	/	<=33	Pass
		Inner_1RB_Left	22.98	/	/	23.64	/	/	<=33	Pass
	2595	Inner_1RB_Right	23.08	/	/	23.74	/	/	<=33	Pass
		Edge_1RB_Left	21.69	/	/	22.35	/	/	<=33	Pass
		Edge_1RB_Right	21.71	/	/	22.37	/	/	<=33	Pass
		Outer_Full	21.67	/	/	22.33	/	/	<=33	Pass
		Inner_Full	22.71	/	/	23.37	/	/	<=33	Pass
	2610	Inner_1RB_Left	22.67	/	/	23.33	/	/	<=33	Pass
		Inner_1RB_Right	22.72	/	/	23.38	/	/	<=33	Pass
		Edge_1RB_Left	21.64	/	/	22.30	/	/	<=33	Pass
		Edge_1RB_Right	21.53	/	/	22.19	/	/	<=33	Pass
		Outer_Full	21.53	/	/	22.19	/	/	<=33	Pass
	2580	Inner_Full	22.55	/	/	23.21	/	/	<=33	Pass
		Inner_1RB_Left	22.55	/	/	23.21	/	/	<=33	Pass
		Inner_1RB_Right	22.51	/	/	23.17	/	/	<=33	Pass
		Edge_1RB_Left	21.58	/	/	22.24	/	/	<=33	Pass
		Edge_1RB_Right	21.71	/	/	22.37	/	/	<=33	Pass
	2595	Outer_Full	21.49	/	/	22.15	/	/	<=33	Pass
		Inner_Full	22.57	/	/	23.23	/	/	<=33	Pass
		Inner_1RB_Left	22.52	/	/	23.18	/	/	<=33	Pass
		Inner_1RB_Right	22.58	/	/	23.24	/	/	<=33	Pass
		Edge_1RB_Left	21.69	/	/	22.35	/	/	<=33	Pass
	2610	Edge_1RB_Right	21.71	/	/	22.37	/	/	<=33	Pass
		Outer_Full	21.67	/	/	22.33	/	/	<=33	Pass
		Inner_Full	22.71	/	/	23.37	/	/	<=33	Pass
		Inner_1RB_Left	22.67	/	/	23.33	/	/	<=33	Pass
		Inner_1RB_Right	22.72	/	/	23.38	/	/	<=33	Pass

CP-OFDM 64 QAM	2580	Edge 1RB Left	21.28	/	/	21.94	/	/	<=33	Pass
		Edge 1RB Right	21.26	/	/	21.92	/	/	<=33	Pass
		Outer Full	21.15	/	/	21.81	/	/	<=33	Pass
		Inner Full	21.21	/	/	21.87	/	/	<=33	Pass
		Inner 1RB Left	21.26	/	/	21.92	/	/	<=33	Pass
		Inner 1RB Right	21.22	/	/	21.88	/	/	<=33	Pass
	2595	Edge 1RB Left	21.20	/	/	21.86	/	/	<=33	Pass
		Edge 1RB Right	21.04	/	/	21.70	/	/	<=33	Pass
		Outer Full	21.03	/	/	21.69	/	/	<=33	Pass
		Inner Full	21.07	/	/	21.73	/	/	<=33	Pass
		Inner 1RB Left	21.16	/	/	21.82	/	/	<=33	Pass
		Inner 1RB Right	21.10	/	/	21.76	/	/	<=33	Pass
	2610	Edge 1RB Left	21.19	/	/	21.85	/	/	<=33	Pass
		Edge 1RB Right	21.18	/	/	21.84	/	/	<=33	Pass
		Outer Full	21.01	/	/	21.67	/	/	<=33	Pass
		Inner Full	21.07	/	/	21.73	/	/	<=33	Pass
		Inner 1RB Left	21.19	/	/	21.85	/	/	<=33	Pass
		Inner 1RB Right	21.20	/	/	21.86	/	/	<=33	Pass
CP-OFDM 256 QAM	2580	Edge 1RB Left	18.09	/	/	18.75	/	/	<=33	Pass
		Edge 1RB Right	18.16	/	/	18.82	/	/	<=33	Pass
		Outer Full	18.22	/	/	18.88	/	/	<=33	Pass
		Inner Full	18.20	/	/	18.86	/	/	<=33	Pass
		Inner 1RB Left	18.07	/	/	18.73	/	/	<=33	Pass
		Inner 1RB Right	18.23	/	/	18.89	/	/	<=33	Pass
	2595	Edge 1RB Left	18.08	/	/	18.74	/	/	<=33	Pass
		Edge 1RB Right	18.01	/	/	18.67	/	/	<=33	Pass
		Outer Full	18.04	/	/	18.70	/	/	<=33	Pass
		Inner Full	18.06	/	/	18.72	/	/	<=33	Pass
		Inner 1RB Left	18.07	/	/	18.73	/	/	<=33	Pass
		Inner 1RB Right	17.95	/	/	18.61	/	/	<=33	Pass
	2610	Edge 1RB Left	18.08	/	/	18.74	/	/	<=33	Pass
		Edge 1RB Right	18.08	/	/	18.74	/	/	<=33	Pass
		Outer Full	18.11	/	/	18.77	/	/	<=33	Pass
		Inner Full	18.05	/	/	18.71	/	/	<=33	Pass
		Inner 1RB Left	18.03	/	/	18.69	/	/	<=33	Pass
		Inner 1RB Right	18.11	/	/	18.77	/	/	<=33	Pass
Note1: Antenna Gain: Ant3: 0.66dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 30k_SISO_30MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	/	/	Ant3	/	/	Limit	
DFT-s-OFDM QPSK	2585	Edge 1RB Left	23.42	/	/	24.08	/	/	<=33	Pass
		Edge 1RB Right	23.53	/	/	24.19	/	/	<=33	Pass
		Outer Full	23.56	/	/	24.22	/	/	<=33	Pass
		Inner Full	23.85	/	/	24.51	/	/	<=33	Pass
		Inner 1RB Left	23.95	/	/	24.61	/	/	<=33	Pass
		Inner 1RB Right	23.89	/	/	24.55	/	/	<=33	Pass
	2595	Edge 1RB Left	23.52	/	/	24.18	/	/	<=33	Pass
		Edge 1RB Right	23.50	/	/	24.16	/	/	<=33	Pass
		Outer Full	23.45	/	/	24.11	/	/	<=33	Pass
		Inner Full	23.87	/	/	24.53	/	/	<=33	Pass
		Inner 1RB Left	23.95	/	/	24.61	/	/	<=33	Pass
		Inner 1RB Right	23.95	/	/	24.61	/	/	<=33	Pass
	2605	Edge 1RB Left	23.51	/	/	24.17	/	/	<=33	Pass
		Edge 1RB Right	23.68	/	/	24.34	/	/	<=33	Pass

		Outer_Full	23.51	/	/	24.17	/	/	<=33	Pass
		Inner_Full	23.83	/	/	24.49	/	/	<=33	Pass
		Inner_1RB_Left	23.87	/	/	24.53	/	/	<=33	Pass
		Inner_1RB_Right	24.09	/	/	24.75	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2585	Edge_1RB_Left	22.69	/	/	23.35	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	23.34	/	/	<=33	Pass
		Outer_Full	22.55	/	/	23.21	/	/	<=33	Pass
		Inner_Full	23.43	/	/	24.09	/	/	<=33	Pass
		Inner_1RB_Left	23.59	/	/	24.25	/	/	<=33	Pass
		Inner_1RB_Right	23.60	/	/	24.26	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.54	/	/	23.20	/	/	<=33	Pass
		Edge_1RB_Right	22.62	/	/	23.28	/	/	<=33	Pass
		Outer_Full	22.44	/	/	23.10	/	/	<=33	Pass
		Inner_Full	23.43	/	/	24.09	/	/	<=33	Pass
		Inner_1RB_Left	23.59	/	/	24.25	/	/	<=33	Pass
		Inner_1RB_Right	23.73	/	/	24.39	/	/	<=33	Pass
	2605	Edge_1RB_Left	22.63	/	/	23.29	/	/	<=33	Pass
		Edge_1RB_Right	22.79	/	/	23.45	/	/	<=33	Pass
		Outer_Full	22.48	/	/	23.14	/	/	<=33	Pass
		Inner_Full	23.50	/	/	24.16	/	/	<=33	Pass
		Inner_1RB_Left	23.55	/	/	24.21	/	/	<=33	Pass
		Inner_1RB_Right	23.73	/	/	24.39	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2585	Edge_1RB_Left	21.93	/	/	22.59	/	/	<=33	Pass
		Edge_1RB_Right	21.96	/	/	22.62	/	/	<=33	Pass
		Outer_Full	22.12	/	/	22.78	/	/	<=33	Pass
		Inner_Full	21.90	/	/	22.56	/	/	<=33	Pass
		Inner_1RB_Left	21.97	/	/	22.63	/	/	<=33	Pass
		Inner_1RB_Right	21.95	/	/	22.61	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.97	/	/	22.63	/	/	<=33	Pass
		Edge_1RB_Right	22.12	/	/	22.78	/	/	<=33	Pass
		Outer_Full	22.00	/	/	22.66	/	/	<=33	Pass
		Inner_Full	21.93	/	/	22.59	/	/	<=33	Pass
		Inner_1RB_Left	22.01	/	/	22.67	/	/	<=33	Pass
		Inner_1RB_Right	22.12	/	/	22.78	/	/	<=33	Pass
	2605	Edge_1RB_Left	21.99	/	/	22.65	/	/	<=33	Pass
		Edge_1RB_Right	22.15	/	/	22.81	/	/	<=33	Pass
		Outer_Full	22.04	/	/	22.70	/	/	<=33	Pass
		Inner_Full	22.01	/	/	22.67	/	/	<=33	Pass
		Inner_1RB_Left	21.99	/	/	22.65	/	/	<=33	Pass
		Inner_1RB_Right	22.12	/	/	22.78	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2585	Edge_1RB_Left	19.93	/	/	20.59	/	/	<=33	Pass
		Edge_1RB_Right	19.91	/	/	20.57	/	/	<=33	Pass
		Outer_Full	20.01	/	/	20.67	/	/	<=33	Pass
		Inner_Full	19.89	/	/	20.55	/	/	<=33	Pass
		Inner_1RB_Left	19.94	/	/	20.60	/	/	<=33	Pass
		Inner_1RB_Right	19.93	/	/	20.59	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.85	/	/	20.51	/	/	<=33	Pass
		Edge_1RB_Right	19.90	/	/	20.56	/	/	<=33	Pass
		Outer_Full	19.93	/	/	20.59	/	/	<=33	Pass
		Inner_Full	19.96	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Left	19.84	/	/	20.50	/	/	<=33	Pass
		Inner_1RB_Right	19.96	/	/	20.62	/	/	<=33	Pass
	2605	Edge_1RB_Left	19.87	/	/	20.53	/	/	<=33	Pass
		Edge_1RB_Right	20.02	/	/	20.68	/	/	<=33	Pass
		Outer_Full	19.99	/	/	20.65	/	/	<=33	Pass
		Inner_Full	19.91	/	/	20.57	/	/	<=33	Pass
		Inner_1RB_Left	19.90	/	/	20.56	/	/	<=33	Pass
		Inner_1RB_Right	20.03	/	/	20.69	/	/	<=33	Pass
CP-OFDM QPSK	2585	Edge_1RB_Left	21.51	/	/	22.17	/	/	<=33	Pass

		Edge_1RB_Right	21.53	/	/	22.19	/	/	<=33	Pass	
		Outer_Full	21.59	/	/	22.25	/	/	<=33	Pass	
		Inner_Full	23.05	/	/	23.71	/	/	<=33	Pass	
		Inner_1RB_Left	22.99	/	/	23.65	/	/	<=33	Pass	
		Inner_1RB_Right	22.94	/	/	23.60	/	/	<=33	Pass	
	2595	Edge_1RB_Left	21.47	/	/	22.13	/	/	<=33	Pass	
		Edge_1RB_Right	21.53	/	/	22.19	/	/	<=33	Pass	
		Outer_Full	21.51	/	/	22.17	/	/	<=33	Pass	
		Inner_Full	22.91	/	/	23.57	/	/	<=33	Pass	
		Inner_1RB_Left	22.88	/	/	23.54	/	/	<=33	Pass	
	2605	Inner_1RB_Right	23.01	/	/	23.67	/	/	<=33	Pass	
		Edge_1RB_Left	21.46	/	/	22.12	/	/	<=33	Pass	
		Edge_1RB_Right	21.58	/	/	22.24	/	/	<=33	Pass	
		Outer_Full	21.52	/	/	22.18	/	/	<=33	Pass	
		Inner_Full	22.96	/	/	23.62	/	/	<=33	Pass	
CP-OFDM 16 QAM		Inner_1RB_Left	23.01	/	/	23.67	/	/	<=33	Pass	
		Inner_1RB_Right	23.19	/	/	23.85	/	/	<=33	Pass	
		Edge_1RB_Left	21.61	/	/	22.27	/	/	<=33	Pass	
		Edge_1RB_Right	21.64	/	/	22.30	/	/	<=33	Pass	
		Outer_Full	21.60	/	/	22.26	/	/	<=33	Pass	
	2585	Inner_Full	22.57	/	/	23.23	/	/	<=33	Pass	
		Inner_1RB_Left	22.60	/	/	23.26	/	/	<=33	Pass	
		Inner_1RB_Right	22.49	/	/	23.15	/	/	<=33	Pass	
		Edge_1RB_Left	21.57	/	/	22.23	/	/	<=33	Pass	
		Edge_1RB_Right	21.62	/	/	22.28	/	/	<=33	Pass	
	2595	Outer_Full	21.48	/	/	22.14	/	/	<=33	Pass	
		Inner_Full	22.45	/	/	23.11	/	/	<=33	Pass	
		Inner_1RB_Left	22.50	/	/	23.16	/	/	<=33	Pass	
		Inner_1RB_Right	22.68	/	/	23.34	/	/	<=33	Pass	
		Edge_1RB_Left	21.54	/	/	22.20	/	/	<=33	Pass	
2605	Edge_1RB_Right	21.68	/	/	22.34	/	/	<=33	Pass		
	Outer_Full	21.50	/	/	22.16	/	/	<=33	Pass		
	Inner_Full	22.47	/	/	23.13	/	/	<=33	Pass		
	Inner_1RB_Left	22.66	/	/	23.32	/	/	<=33	Pass		
	Inner_1RB_Right	22.70	/	/	23.36	/	/	<=33	Pass		
CP-OFDM 64 QAM		Edge_1RB_Left	21.10	/	/	21.76	/	/	<=33	Pass	
		Edge_1RB_Right	21.09	/	/	21.75	/	/	<=33	Pass	
		Outer_Full	21.08	/	/	21.74	/	/	<=33	Pass	
		Inner_Full	21.06	/	/	21.72	/	/	<=33	Pass	
		Inner_1RB_Left	21.12	/	/	21.78	/	/	<=33	Pass	
	2585	Inner_1RB_Right	21.10	/	/	21.76	/	/	<=33	Pass	
		Edge_1RB_Left	21.05	/	/	21.71	/	/	<=33	Pass	
		Edge_1RB_Right	21.13	/	/	21.79	/	/	<=33	Pass	
		Outer_Full	20.96	/	/	21.62	/	/	<=33	Pass	
		Inner_Full	20.99	/	/	21.65	/	/	<=33	Pass	
	2595	Inner_1RB_Left	21.08	/	/	21.74	/	/	<=33	Pass	
		Inner_1RB_Right	21.16	/	/	21.82	/	/	<=33	Pass	
		Edge_1RB_Left	21.12	/	/	21.78	/	/	<=33	Pass	
		Edge_1RB_Right	21.24	/	/	21.90	/	/	<=33	Pass	
		Outer_Full	21.03	/	/	21.69	/	/	<=33	Pass	
2605	Inner_Full	21.00	/	/	21.66	/	/	<=33	Pass		
	Inner_1RB_Left	21.09	/	/	21.75	/	/	<=33	Pass		
	Inner_1RB_Right	21.30	/	/	21.96	/	/	<=33	Pass		
	CP-OFDM 256 QAM	2585	Edge_1RB_Left	17.95	/	/	18.61	/	/	<=33	Pass
			Edge_1RB_Right	18.06	/	/	18.72	/	/	<=33	Pass
Outer_Full			18.09	/	/	18.75	/	/	<=33	Pass	
Inner_Full			17.99	/	/	18.65	/	/	<=33	Pass	
Inner_1RB_Left			17.99	/	/	18.65	/	/	<=33	Pass	
		Inner_1RB_Right	18.10	/	/	18.76	/	/	<=33	Pass	

	2595	Edge_1RB_Left	17.99	/	/	18.65	/	/	<=33	Pass
		Edge_1RB_Right	18.05	/	/	18.71	/	/	<=33	Pass
		Outer_Full	18.13	/	/	18.79	/	/	<=33	Pass
		Inner_Full	17.99	/	/	18.65	/	/	<=33	Pass
		Inner_1RB_Left	18.03	/	/	18.69	/	/	<=33	Pass
		Inner_1RB_Right	18.09	/	/	18.75	/	/	<=33	Pass
	2605	Edge_1RB_Left	18.01	/	/	18.67	/	/	<=33	Pass
		Edge_1RB_Right	18.16	/	/	18.82	/	/	<=33	Pass
		Outer_Full	18.13	/	/	18.79	/	/	<=33	Pass
		Inner_Full	18.03	/	/	18.69	/	/	<=33	Pass
		Inner_1RB_Left	18.05	/	/	18.71	/	/	<=33	Pass
		Inner_1RB_Right	18.17	/	/	18.83	/	/	<=33	Pass
Note1: Antenna Gain: Ant3: 0.66dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30k_SISO_40MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant3	/	/	Ant3	/	/	Limit	
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	24.04	/	/	24.70	/	/	<=33	Pass
		Edge_1RB_Right	23.97	/	/	24.63	/	/	<=33	Pass
		Outer_Full	24.04	/	/	24.70	/	/	<=33	Pass
		Inner_Full	24.04	/	/	24.70	/	/	<=33	Pass
		Inner_1RB_Left	24.05	/	/	24.71	/	/	<=33	Pass
		Inner_1RB_Right	23.93	/	/	24.59	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.93	/	/	24.59	/	/	<=33	Pass
		Edge_1RB_Right	24.00	/	/	24.66	/	/	<=33	Pass
		Outer_Full	23.90	/	/	24.56	/	/	<=33	Pass
		Inner_Full	23.83	/	/	24.49	/	/	<=33	Pass
		Inner_1RB_Left	23.93	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Right	24.00	/	/	24.66	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.96	/	/	24.62	/	/	<=33	Pass
		Edge_1RB_Right	24.10	/	/	24.76	/	/	<=33	Pass
		Outer_Full	23.93	/	/	24.59	/	/	<=33	Pass
		Inner_Full	23.97	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Left	24.01	/	/	24.67	/	/	<=33	Pass
		Inner_1RB_Right	24.05	/	/	24.71	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2590	Edge_1RB_Left	23.67	/	/	24.33	/	/	<=33	Pass
		Edge_1RB_Right	24.01	/	/	24.67	/	/	<=33	Pass
		Outer_Full	23.82	/	/	24.48	/	/	<=33	Pass
		Inner_Full	24.07	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Left	24.12	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Right	24.05	/	/	24.71	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.35	/	/	24.01	/	/	<=33	Pass
		Edge_1RB_Right	24.07	/	/	24.73	/	/	<=33	Pass
		Outer_Full	23.78	/	/	24.44	/	/	<=33	Pass
		Inner_Full	23.87	/	/	24.53	/	/	<=33	Pass
		Inner_1RB_Left	23.96	/	/	24.62	/	/	<=33	Pass
		Inner_1RB_Right	24.09	/	/	24.75	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.65	/	/	24.31	/	/	<=33	Pass
		Edge_1RB_Right	24.03	/	/	24.69	/	/	<=33	Pass
		Outer_Full	23.89	/	/	24.55	/	/	<=33	Pass
		Inner_Full	23.91	/	/	24.57	/	/	<=33	Pass
		Inner_1RB_Left	24.00	/	/	24.66	/	/	<=33	Pass
		Inner_1RB_Right	24.03	/	/	24.69	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2590	Edge_1RB_Left	23.19	/	/	23.85	/	/	<=33	Pass
		Edge_1RB_Right	23.78	/	/	24.44	/	/	<=33	Pass

		Outer_Full	23.36	/	/	24.02	/	/	<=33	Pass
		Inner_Full	23.29	/	/	23.95	/	/	<=33	Pass
		Inner_1RB_Left	23.20	/	/	23.86	/	/	<=33	Pass
		Inner_1RB_Right	23.78	/	/	24.44	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.82	/	/	23.48	/	/	<=33	Pass
		Edge_1RB_Right	23.91	/	/	24.57	/	/	<=33	Pass
		Outer_Full	23.40	/	/	24.06	/	/	<=33	Pass
		Inner_Full	23.29	/	/	23.95	/	/	<=33	Pass
	2600	Inner_1RB_Left	22.82	/	/	23.48	/	/	<=33	Pass
		Inner_1RB_Right	23.88	/	/	24.54	/	/	<=33	Pass
		Edge_1RB_Left	23.20	/	/	23.86	/	/	<=33	Pass
		Edge_1RB_Right	23.88	/	/	24.54	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	23.57	/	/	24.23	/	/	<=33	Pass
		Inner_Full	23.50	/	/	24.16	/	/	<=33	Pass
		Inner_1RB_Left	23.18	/	/	23.84	/	/	<=33	Pass
		Inner_1RB_Right	23.90	/	/	24.56	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.70	/	/	22.36	/	/	<=33	Pass
		Edge_1RB_Right	22.31	/	/	22.97	/	/	<=33	Pass
		Outer_Full	21.98	/	/	22.64	/	/	<=33	Pass
		Inner_Full	21.89	/	/	22.55	/	/	<=33	Pass
	2600	Inner_1RB_Left	21.71	/	/	22.37	/	/	<=33	Pass
		Inner_1RB_Right	22.30	/	/	22.96	/	/	<=33	Pass
		Edge_1RB_Left	21.33	/	/	21.99	/	/	<=33	Pass
		Edge_1RB_Right	22.42	/	/	23.08	/	/	<=33	Pass
CP-OFDM QPSK	2590	Outer_Full	22.00	/	/	22.66	/	/	<=33	Pass
		Inner_Full	21.90	/	/	22.56	/	/	<=33	Pass
		Inner_1RB_Left	21.34	/	/	22.00	/	/	<=33	Pass
		Inner_1RB_Right	22.43	/	/	23.09	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.67	/	/	22.33	/	/	<=33	Pass
		Edge_1RB_Right	22.44	/	/	23.10	/	/	<=33	Pass
		Outer_Full	22.20	/	/	22.86	/	/	<=33	Pass
		Inner_Full	22.11	/	/	22.77	/	/	<=33	Pass
	2600	Inner_1RB_Left	21.69	/	/	22.35	/	/	<=33	Pass
		Inner_1RB_Right	22.45	/	/	23.11	/	/	<=33	Pass
		Edge_1RB_Left	20.54	/	/	21.20	/	/	<=33	Pass
		Edge_1RB_Right	20.58	/	/	21.24	/	/	<=33	Pass
CP-OFDM 16 QAM	2590	Outer_Full	20.65	/	/	21.31	/	/	<=33	Pass
		Inner_Full	23.63	/	/	24.29	/	/	<=33	Pass
		Inner_1RB_Left	23.66	/	/	24.32	/	/	<=33	Pass
		Inner_1RB_Right	23.49	/	/	24.15	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.43	/	/	21.09	/	/	<=33	Pass
		Edge_1RB_Right	20.55	/	/	21.21	/	/	<=33	Pass
		Outer_Full	20.55	/	/	21.21	/	/	<=33	Pass
		Inner_Full	23.46	/	/	24.12	/	/	<=33	Pass
	2600	Inner_1RB_Left	23.53	/	/	24.19	/	/	<=33	Pass
		Inner_1RB_Right	23.58	/	/	24.24	/	/	<=33	Pass
		Edge_1RB_Left	20.58	/	/	21.24	/	/	<=33	Pass
		Edge_1RB_Right	20.56	/	/	21.22	/	/	<=33	Pass
	2590	Outer_Full	20.57	/	/	21.23	/	/	<=33	Pass
		Inner_Full	23.52	/	/	24.18	/	/	<=33	Pass
		Inner_1RB_Left	23.56	/	/	24.22	/	/	<=33	Pass
		Inner_1RB_Right	23.55	/	/	24.21	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.15	/	/	23.81	/	/	<=33	Pass
		Edge_1RB_Right	23.74	/	/	24.40	/	/	<=33	Pass
		Outer_Full	23.28	/	/	23.94	/	/	<=33	Pass
		Inner_Full	23.62	/	/	24.28	/	/	<=33	Pass
	2595	Inner_1RB_Left	23.60	/	/	24.26	/	/	<=33	Pass
		Inner_1RB_Right	24.05	/	/	24.71	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.76	/	/	23.42	/	/	<=33	Pass
		Edge_1RB_Right	22.76	/	/	23.42	/	/	<=33	Pass

		Edge_1RB_Right	23.85	/	/	24.51	/	/	<=33	Pass
		Outer_Full	23.29	/	/	23.95	/	/	<=33	Pass
		Inner_Full	23.60	/	/	24.26	/	/	<=33	Pass
		Inner_1RB_Left	23.20	/	/	23.86	/	/	<=33	Pass
		Inner_1RB_Right	24.00	/	/	24.66	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.13	/	/	23.79	/	/	<=33	Pass
		Edge_1RB_Right	23.87	/	/	24.53	/	/	<=33	Pass
		Outer_Full	23.46	/	/	24.12	/	/	<=33	Pass
		Inner_Full	23.83	/	/	24.49	/	/	<=33	Pass
		Inner_1RB_Left	23.56	/	/	24.22	/	/	<=33	Pass
CP-OFDM 64 QAM	2590	Inner_1RB_Right	24.02	/	/	24.68	/	/	<=33	Pass
		Edge_1RB_Left	23.22	/	/	23.88	/	/	<=33	Pass
		Edge_1RB_Right	23.82	/	/	24.48	/	/	<=33	Pass
		Outer_Full	23.26	/	/	23.92	/	/	<=33	Pass
		Inner_Full	23.19	/	/	23.85	/	/	<=33	Pass
		Inner_1RB_Left	23.25	/	/	23.91	/	/	<=33	Pass
	2595	Inner_1RB_Right	23.80	/	/	24.46	/	/	<=33	Pass
		Edge_1RB_Left	22.81	/	/	23.47	/	/	<=33	Pass
		Edge_1RB_Right	23.85	/	/	24.51	/	/	<=33	Pass
		Outer_Full	23.27	/	/	23.93	/	/	<=33	Pass
		Inner_Full	23.17	/	/	23.83	/	/	<=33	Pass
		Inner_1RB_Left	22.80	/	/	23.46	/	/	<=33	Pass
	2600	Inner_1RB_Right	23.88	/	/	24.54	/	/	<=33	Pass
		Edge_1RB_Left	23.16	/	/	23.82	/	/	<=33	Pass
		Edge_1RB_Right	23.91	/	/	24.57	/	/	<=33	Pass
		Outer_Full	23.46	/	/	24.12	/	/	<=33	Pass
		Inner_Full	23.41	/	/	24.07	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	23.87	/	/	<=33	Pass
CP-OFDM 256 QAM	2590	Inner_1RB_Right	23.91	/	/	24.57	/	/	<=33	Pass
		Edge_1RB_Left	20.81	/	/	21.47	/	/	<=33	Pass
		Edge_1RB_Right	21.44	/	/	22.10	/	/	<=33	Pass
		Outer_Full	21.03	/	/	21.69	/	/	<=33	Pass
		Inner_Full	20.92	/	/	21.58	/	/	<=33	Pass
		Inner_1RB_Left	20.83	/	/	21.49	/	/	<=33	Pass
	2595	Inner_1RB_Right	21.46	/	/	22.12	/	/	<=33	Pass
		Edge_1RB_Left	20.42	/	/	21.08	/	/	<=33	Pass
		Edge_1RB_Right	21.51	/	/	22.17	/	/	<=33	Pass
		Outer_Full	21.01	/	/	21.67	/	/	<=33	Pass
		Inner_Full	20.92	/	/	21.58	/	/	<=33	Pass
		Inner_1RB_Left	20.43	/	/	21.09	/	/	<=33	Pass
	2600	Inner_1RB_Right	21.52	/	/	22.18	/	/	<=33	Pass
		Edge_1RB_Left	20.80	/	/	21.46	/	/	<=33	Pass
		Edge_1RB_Right	21.61	/	/	22.27	/	/	<=33	Pass
		Outer_Full	21.25	/	/	21.91	/	/	<=33	Pass
		Inner_Full	21.17	/	/	21.83	/	/	<=33	Pass
		Inner_1RB_Left	20.84	/	/	21.50	/	/	<=33	Pass
Note1: Antenna Gain: Ant3: 0.66dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 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 QPSK	2595	Outer_Full	20	LV	10.40	0.0040	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	11.30	0.0044	>=-2.5 & <=2.5	Pass
			0	NV	11.70	0.0045	>=-2.5 & <=2.5	Pass
			10	NV	1.40	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	14.80	0.0057	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	5.70	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	12.70	0.0049	>=-2.5 & <=2.5	Pass
			20	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	6.70	0.0026	>=-2.5 & <=2.5	Pass
				HV	6.80	0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	11.90	0.0046	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	8.10	0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	10.00	0.0039	>=-2.5 & <=2.5	Pass
			30	NV	6.30	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	10.00	0.0039	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	9.70	0.0037	>=-2.5 & <=2.5	Pass
				HV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	3.40	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	16.60	0.0064	>=-2.5 & <=2.5	Pass
			0	NV	7.20	0.0028	>=-2.5 & <=2.5	Pass
			10	NV	6.20	0.0024	>=-2.5 & <=2.5	Pass
			20	NV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	6.10	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	9.50	0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	17.90	0.0069	>=-2.5 & <=2.5	Pass
			-20	NV	7.30	0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	13.60	0.0052	>=-2.5 & <=2.5	Pass
			10	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	16.00	0.0062	>=-2.5 & <=2.5	Pass
			30	NV	7.20	0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	NV	7.40	0.0029	>=-2.5 & <=2.5	Pass
				LV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass

			-30	NV	8.40	0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			50	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
				HV	12.80	0.0049	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	9.00	0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	9.10	0.0035	>=-2.5 & <=2.5	Pass
			0	NV	5.30	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	5.10	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	8.70	0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	10.50	0.0040	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-15.40	-0.0059	>=-2.5 & <=2.5	Pass
			-20	NV	4.90	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	8.20	0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	10.90	0.0042	>=-2.5 & <=2.5	Pass
			20	NV	11.30	0.0044	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	5.60	0.0022	>=-2.5 & <=2.5	Pass
			50	NV	2.80	0.0011	>=-2.5 & <=2.5	Pass
				NV				

2.1.2 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 QPSK	2595	Outer_Full	20	LV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
				HV	10.00	0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	11.10	0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	50	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				NV				
			20	LV	-15.10	-0.0058	>=-2.5 & <=2.5	Pass
				HV	11.80	0.0045	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass

			40	NV	-14.40	-0.0055	>=-2.5 & <=2.5	Pass
			50	NV	4.30	0.0017	>=-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	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
			-20	NV	-11.80	-0.0045	>=-2.5 & <=2.5	Pass
			-10	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	7.60	0.0029	>=-2.5 & <=2.5	Pass
			10	NV	12.60	0.0049	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	8.70	0.0034	>=-2.5 & <=2.5	Pass
			40	NV	14.00	0.0054	>=-2.5 & <=2.5	Pass
			50	NV	8.40	0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	12.70	0.0049	>=-2.5 & <=2.5	Pass
				HV	15.40	0.0059	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-15.10	-0.0058	>=-2.5 & <=2.5	Pass
			-10	NV	-15.70	-0.0061	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-0.80	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
			30	NV	6.30	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	8.30	0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	10.90	0.0042	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	6.70	0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	14.10	0.0054	>=-2.5 & <=2.5	Pass
			0	NV	-17.30	-0.0067	>=-2.5 & <=2.5	Pass
			10	NV	8.80	0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	8.50	0.0033	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	15.20	0.0059	>=-2.5 & <=2.5	Pass
				HV	6.10	0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	5.70	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	5.90	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	6.30	0.0024	>=-2.5 & <=2.5	Pass
			30	NV	8.50	0.0033	>=-2.5 & <=2.5	Pass
			40	NV	1.40	0.0005	>=-2.5 & <=2.5	Pass
			50	NV	4.50	0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	3.10	0.0012	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	5.60	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	8.00	0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	8.70	0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	12.00	0.0046	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	5.20	0.0020	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass

			-30	NV	-14.80	-0.0057	>=-2.5 & <=2.5	Pass
			-20	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	5.30	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass

2.1.3 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 QPSK	2595	Outer_Full	20	LV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	9.70	0.0037	>=-2.5 & <=2.5	Pass
				HV	5.70	0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	12.20	0.0047	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	10.10	0.0039	>=-2.5 & <=2.5	Pass
			20	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	10.90	0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	9.20	0.0035	>=-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	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
				HV	8.60	0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	4.50	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-17.90	-0.0069	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass

			40	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	12.50	0.0048	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	0.90	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			40	NV	10.40	0.0040	>=-2.5 & <=2.5	Pass
			50	NV	2.90	0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	12.70	0.0049	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	9.20	0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	5.50	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-14.80	-0.0057	>=-2.5 & <=2.5	Pass
			10	NV	17.60	0.0068	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	9.10	0.0035	>=-2.5 & <=2.5	Pass
			40	NV	19.50	0.0075	>=-2.5 & <=2.5	Pass
50	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	7.50	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	6.50	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	9.00	0.0035	>=-2.5 & <=2.5	Pass
			30	NV	14.30	0.0055	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
50	NV	9.10	0.0035	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	8.30	0.0032	>=-2.5 & <=2.5	Pass
				HV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	7.20	0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	15.90	0.0061	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	7.80	0.0030	>=-2.5 & <=2.5	Pass
			30	NV	15.10	0.0058	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
50	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass			

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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 QPSK	2580	Outer_Full	18.14	19.89	/	Pass

DFT-s-OFDM 16 QAM	2595	Outer_Full	18.13	19.77	/	Pass
	2610	Outer_Full	18.12	19.93	/	Pass
	2580	Outer_Full	18.19	20.44	/	Pass
	2595	Outer_Full	18.18	20.22	/	Pass
	2610	Outer_Full	18.19	20.29	/	Pass
DFT-s-OFDM 64 QAM	2580	Outer_Full	18.21	20.09	/	Pass
	2595	Outer_Full	18.18	20.19	/	Pass
	2610	Outer_Full	18.18	20.03	/	Pass
DFT-s-OFDM 256 QAM	2580	Outer_Full	18.14	20.00	/	Pass
	2595	Outer_Full	18.11	19.96	/	Pass
	2610	Outer_Full	18.08	20.02	/	Pass
CP-OFDM QPSK	2580	Outer_Full	18.46	20.50	/	Pass
	2595	Outer_Full	18.43	20.41	/	Pass
	2610	Outer_Full	18.46	20.46	/	Pass
CP-OFDM 16 QAM	2580	Outer_Full	18.47	20.32	/	Pass
	2595	Outer_Full	18.47	20.29	/	Pass
	2610	Outer_Full	18.48	20.39	/	Pass
CP-OFDM 64 QAM	2580	Outer_Full	18.42	20.44	/	Pass
	2595	Outer_Full	18.37	20.17	/	Pass
	2610	Outer_Full	18.37	20.41	/	Pass
CP-OFDM 256 QAM	2580	Outer_Full	18.42	20.17	/	Pass
	2595	Outer_Full	18.40	20.20	/	Pass
	2610	Outer_Full	18.41	20.27	/	Pass

3.1.2 30k_SISO_30MHz_NTNV

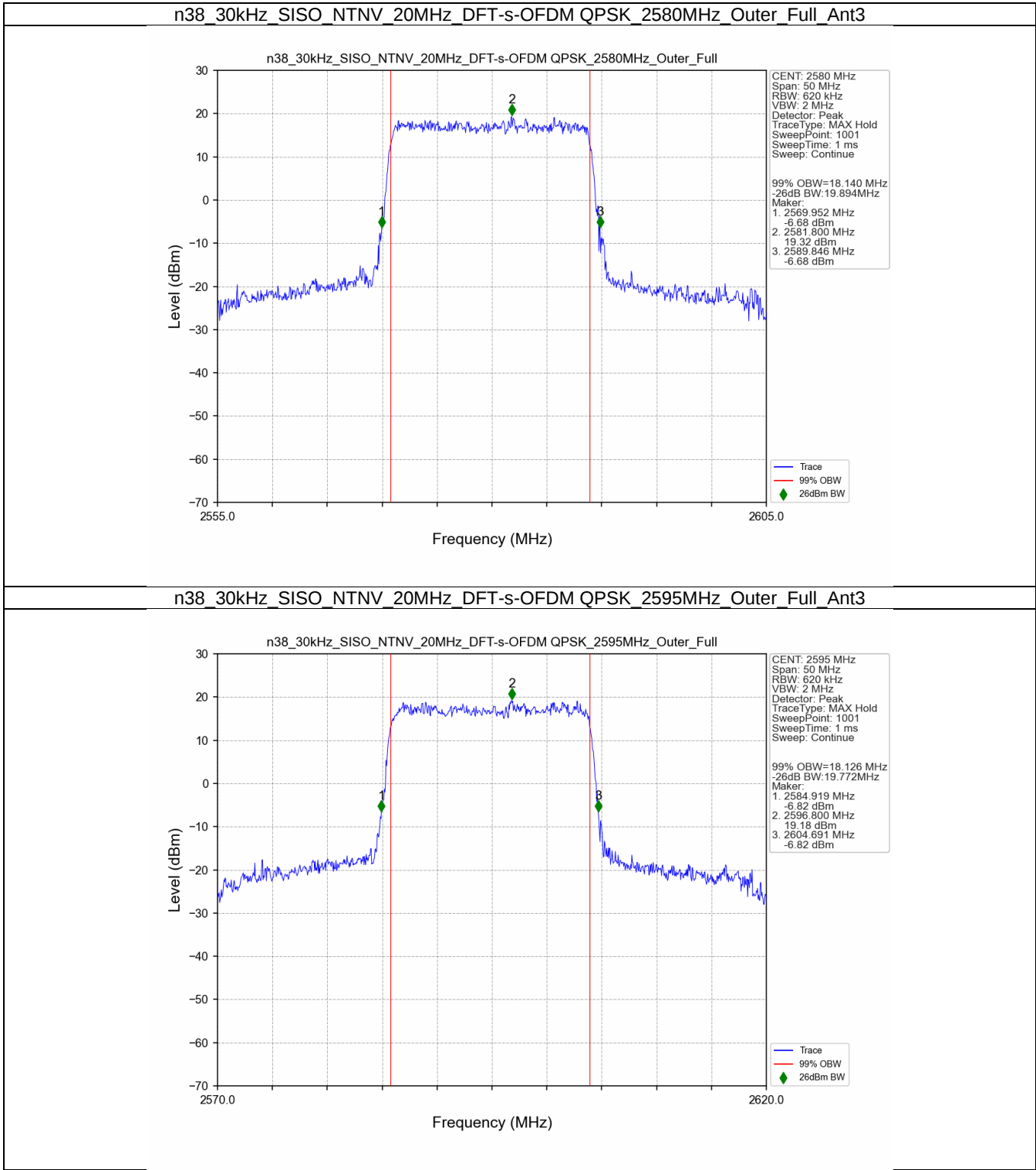
5G NR n38 SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	2585	Outer_Full	27.19	29.73	/	Pass
	2595	Outer_Full	27.20	29.44	/	Pass
	2605	Outer_Full	27.17	29.46	/	Pass
DFT-s-OFDM 16 QAM	2585	Outer_Full	27.23	29.46	/	Pass
	2595	Outer_Full	27.16	29.59	/	Pass
	2605	Outer_Full	27.12	29.33	/	Pass
DFT-s-OFDM 64 QAM	2585	Outer_Full	27.13	29.50	/	Pass
	2595	Outer_Full	27.10	29.45	/	Pass
	2605	Outer_Full	27.09	29.61	/	Pass
DFT-s-OFDM 256 QAM	2585	Outer_Full	27.18	29.36	/	Pass
	2595	Outer_Full	27.25	29.49	/	Pass
	2605	Outer_Full	27.19	29.52	/	Pass
CP-OFDM QPSK	2585	Outer_Full	28.12	30.37	/	Pass
	2595	Outer_Full	28.16	30.18	/	Pass
	2605	Outer_Full	28.16	30.59	/	Pass
CP-OFDM 16 QAM	2585	Outer_Full	28.19	30.94	/	Pass
	2595	Outer_Full	28.18	30.56	/	Pass
	2605	Outer_Full	28.16	30.70	/	Pass
CP-OFDM 64 QAM	2585	Outer_Full	28.12	32.16	/	Pass
	2595	Outer_Full	28.13	32.14	/	Pass
	2605	Outer_Full	28.14	32.27	/	Pass
CP-OFDM 256 QAM	2585	Outer_Full	28.12	30.62	/	Pass
	2595	Outer_Full	28.16	30.42	/	Pass
	2605	Outer_Full	28.18	30.19	/	Pass

3.1.3 30k_SISO_40MHz_NTNV

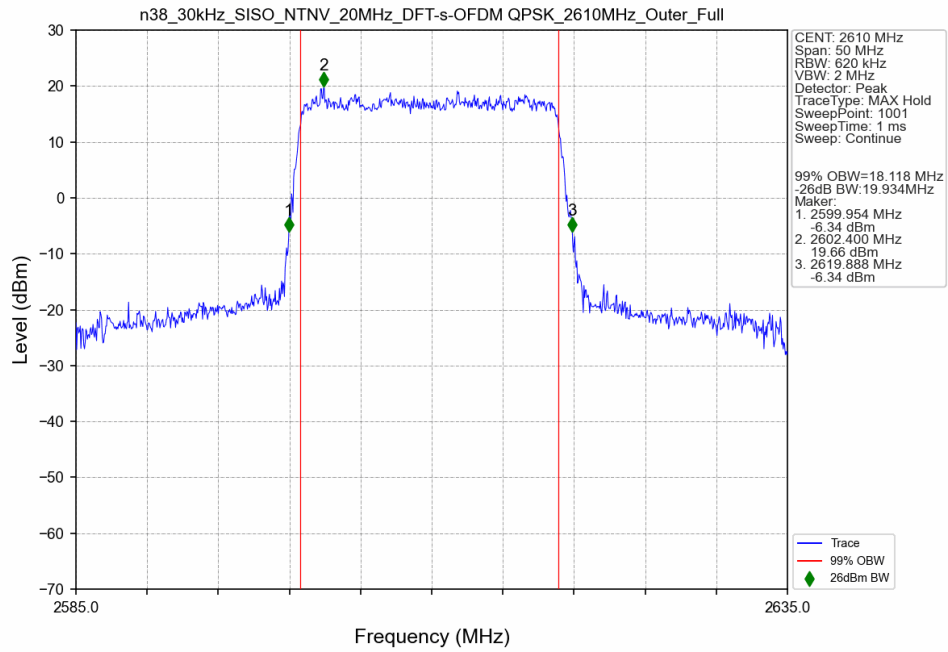
5G NR n38 SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	2590	Outer_Full	36.15	38.98	/	Pass
	2595	Outer_Full	36.10	38.94	/	Pass
	2600	Outer_Full	36.07	38.88	/	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	36.03	38.92	/	Pass
	2595	Outer_Full	36.05	38.91	/	Pass
	2600	Outer_Full	36.04	38.74	/	Pass
DFT-s-OFDM 64 QAM	2590	Outer_Full	36.24	38.93	/	Pass
	2595	Outer_Full	36.16	38.93	/	Pass
	2600	Outer_Full	36.27	39.17	/	Pass
DFT-s-OFDM 256 QAM	2590	Outer_Full	36.04	39.09	/	Pass
	2595	Outer_Full	36.03	38.94	/	Pass
	2600	Outer_Full	36.02	38.96	/	Pass
CP-OFDM QPSK	2590	Outer_Full	38.16	41.17	/	Pass
	2595	Outer_Full	38.24	41.13	/	Pass
	2600	Outer_Full	38.18	40.95	/	Pass
CP-OFDM 16 QAM	2590	Outer_Full	38.38	41.17	/	Pass
	2595	Outer_Full	38.45	41.22	/	Pass
	2600	Outer_Full	38.35	41.22	/	Pass
CP-OFDM 64 QAM	2590	Outer_Full	38.12	40.97	/	Pass
	2595	Outer_Full	38.27	40.90	/	Pass
	2600	Outer_Full	38.24	41.03	/	Pass
CP-OFDM 256 QAM	2590	Outer_Full	38.17	41.09	/	Pass
	2595	Outer_Full	38.12	40.93	/	Pass
	2600	Outer_Full	38.15	41.10	/	Pass

3.2 Test Graph

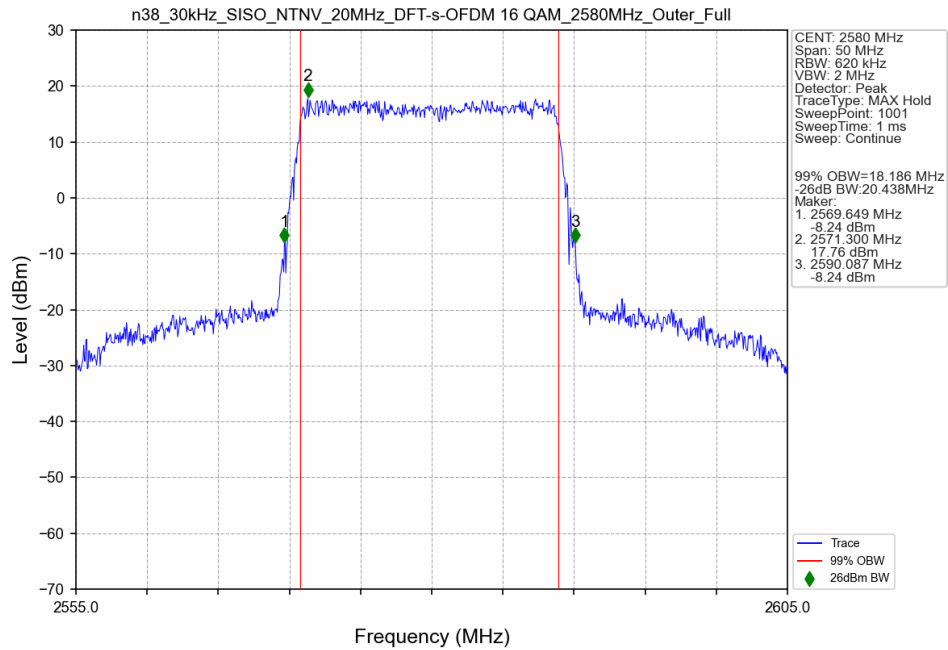
3.2.1 30k_SISO_20MHz_NTNV



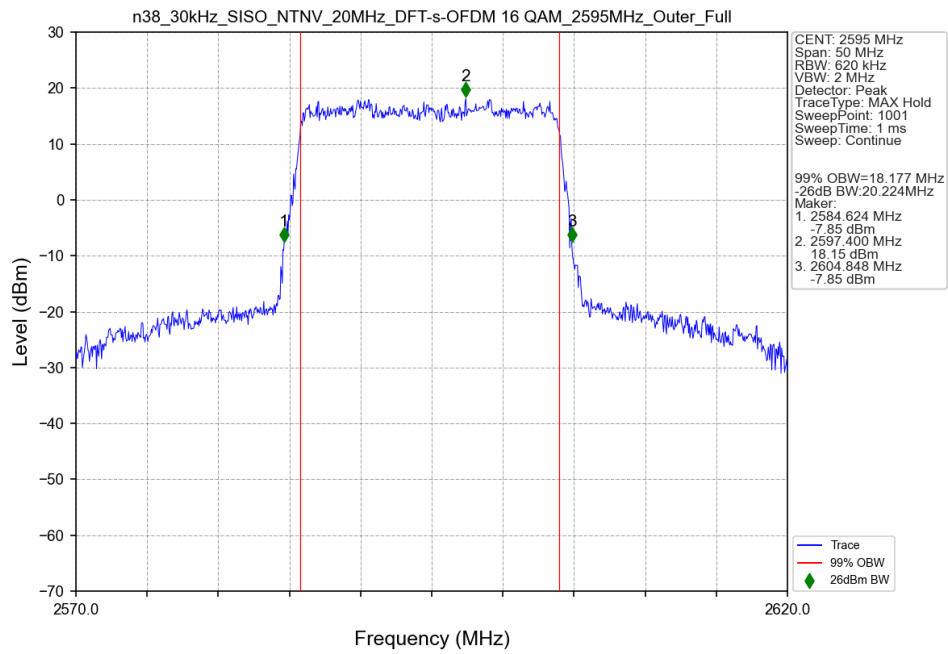
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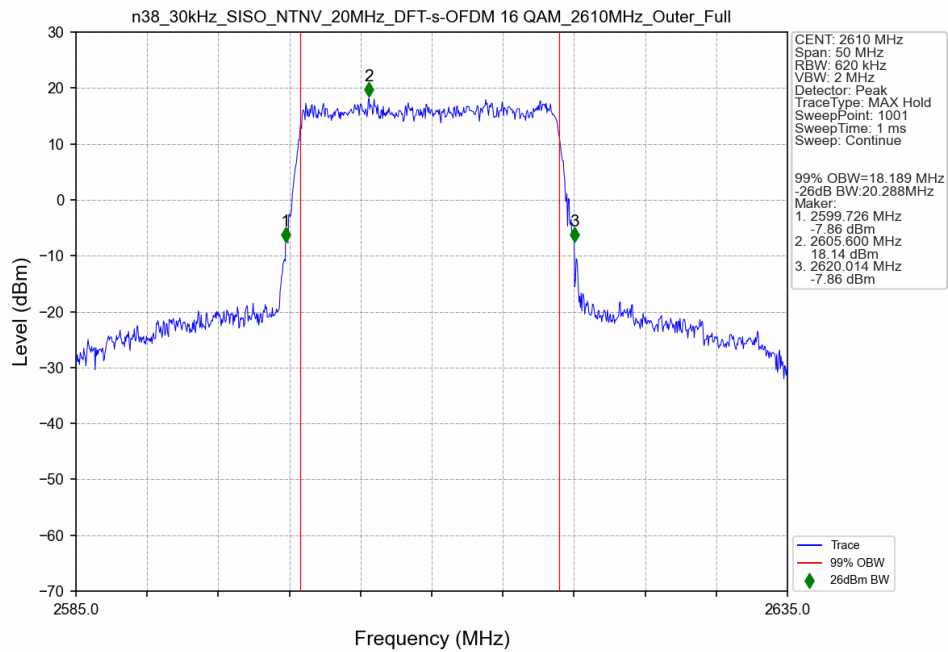
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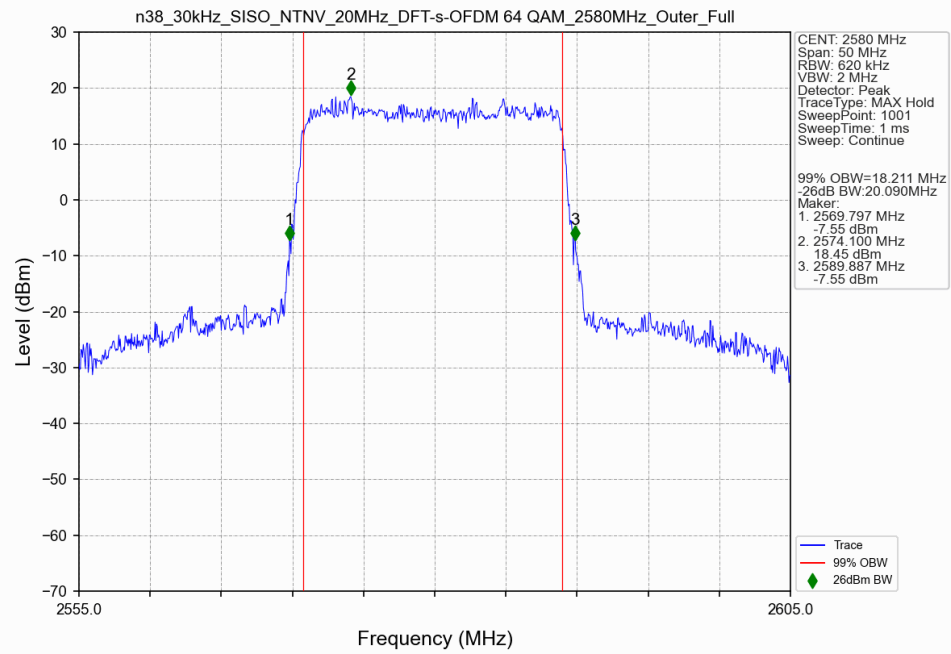
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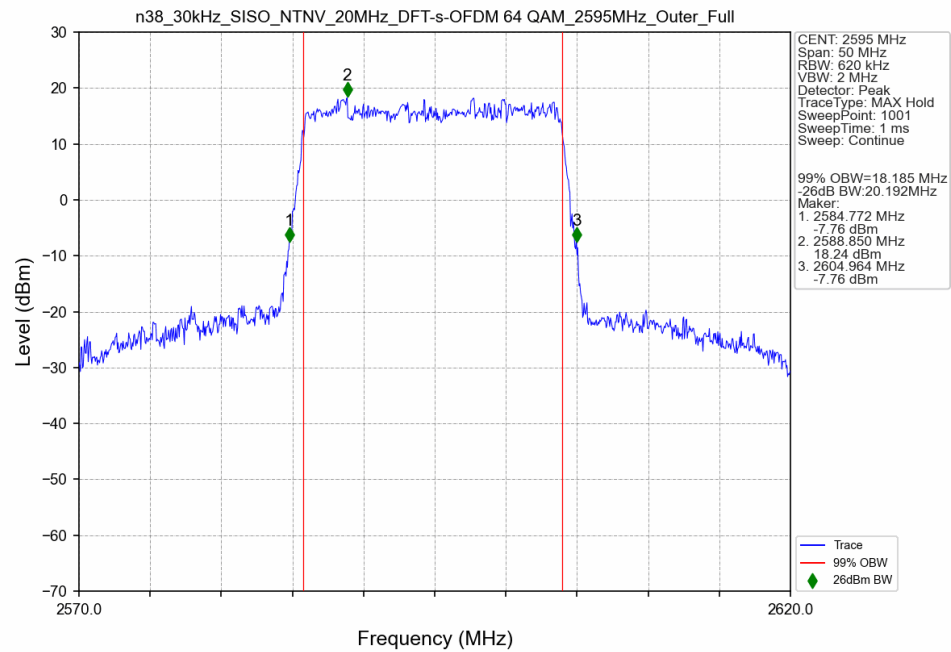
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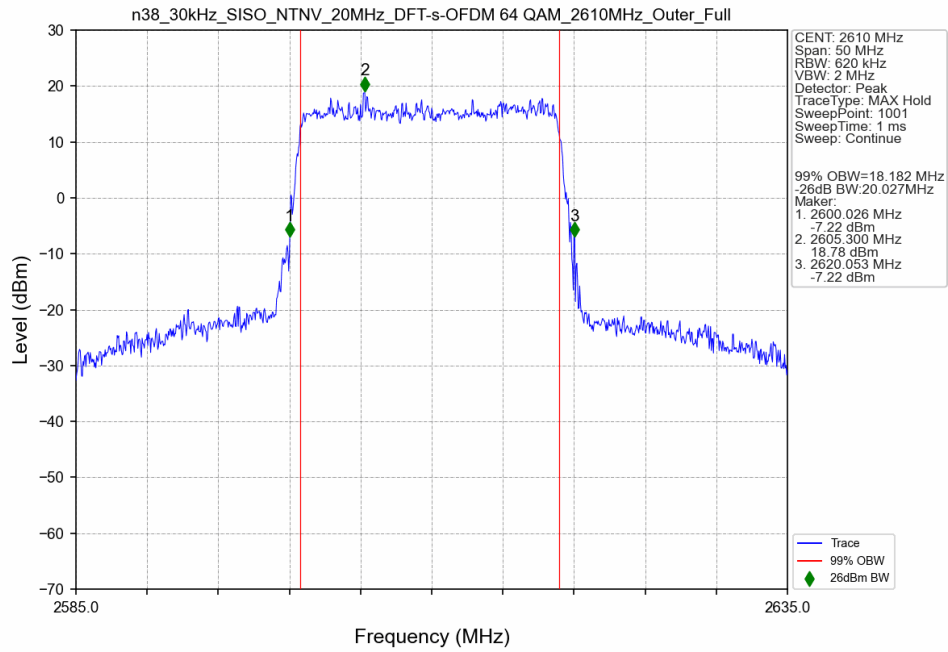
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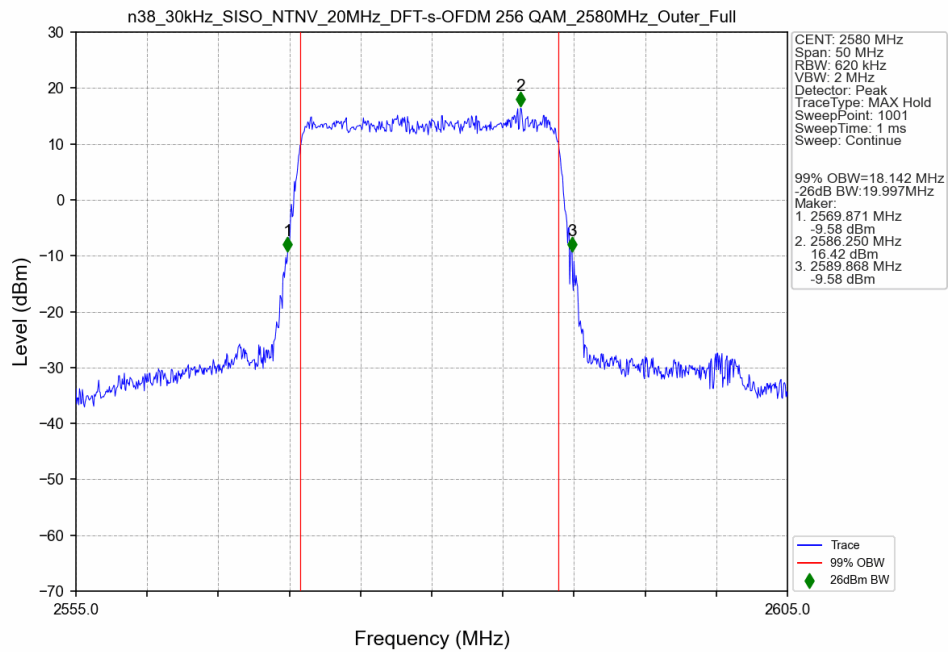
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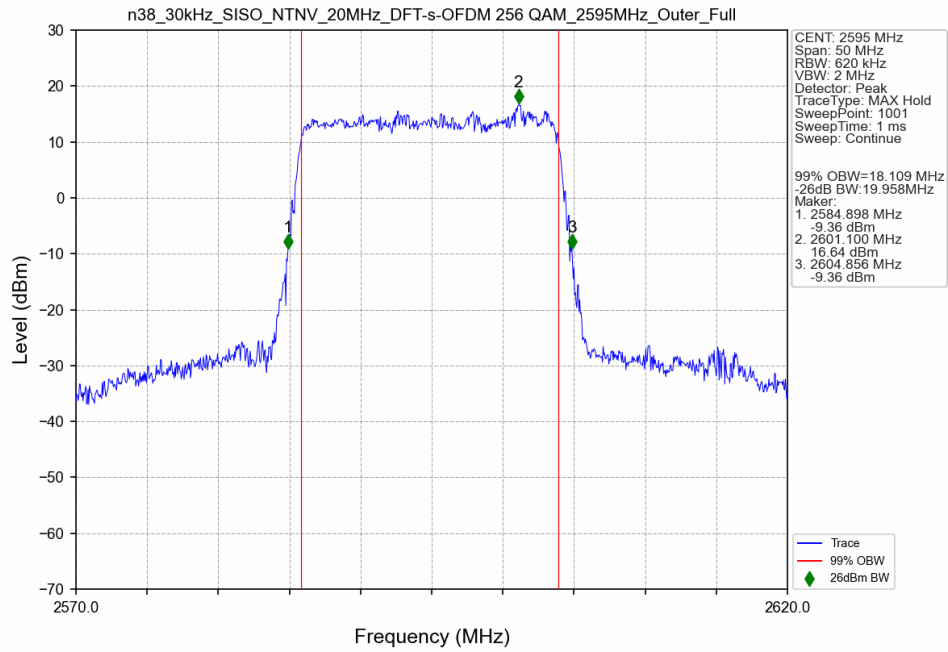
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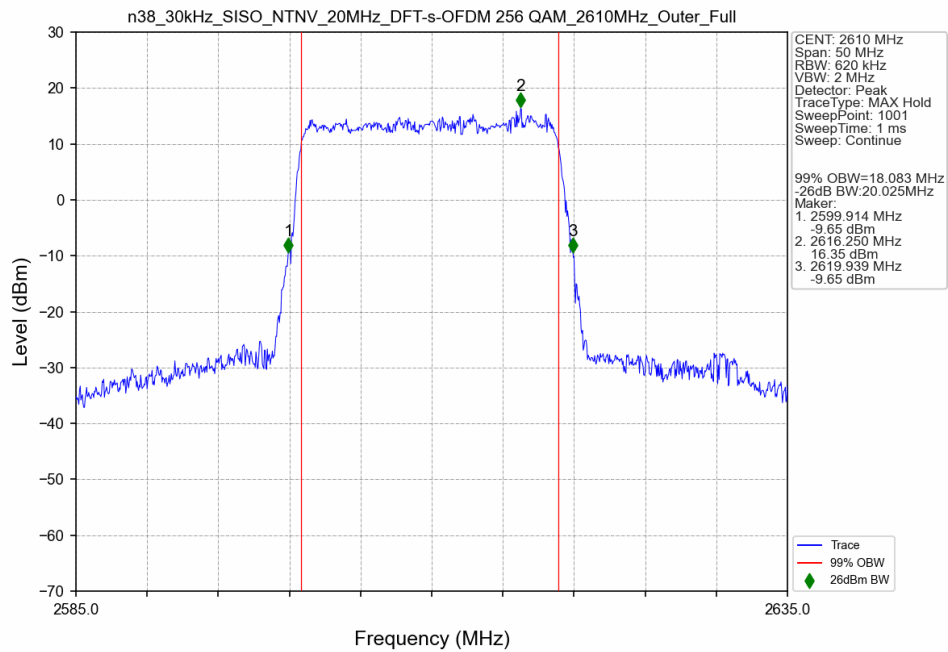
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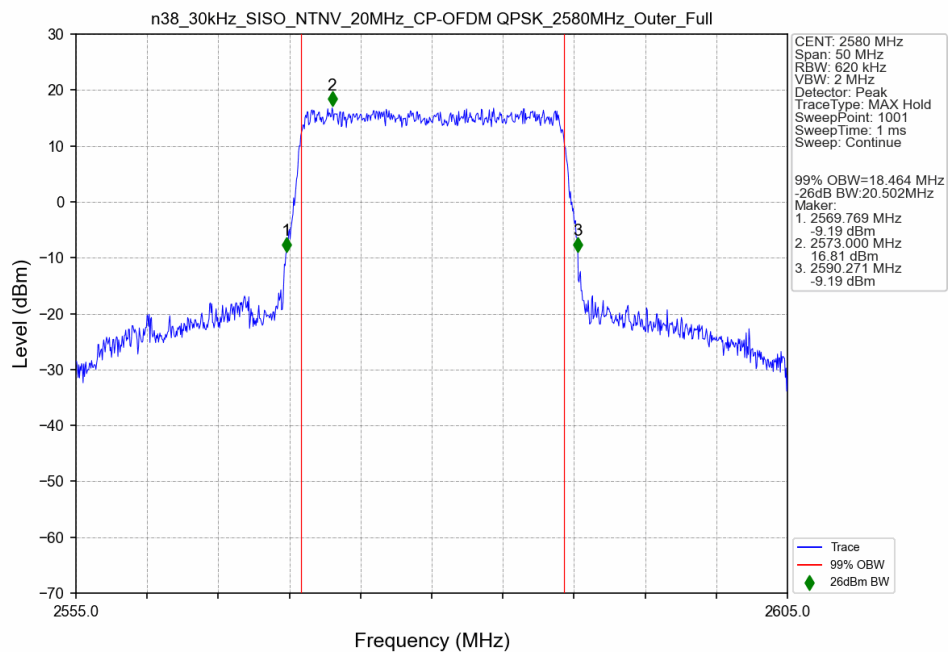
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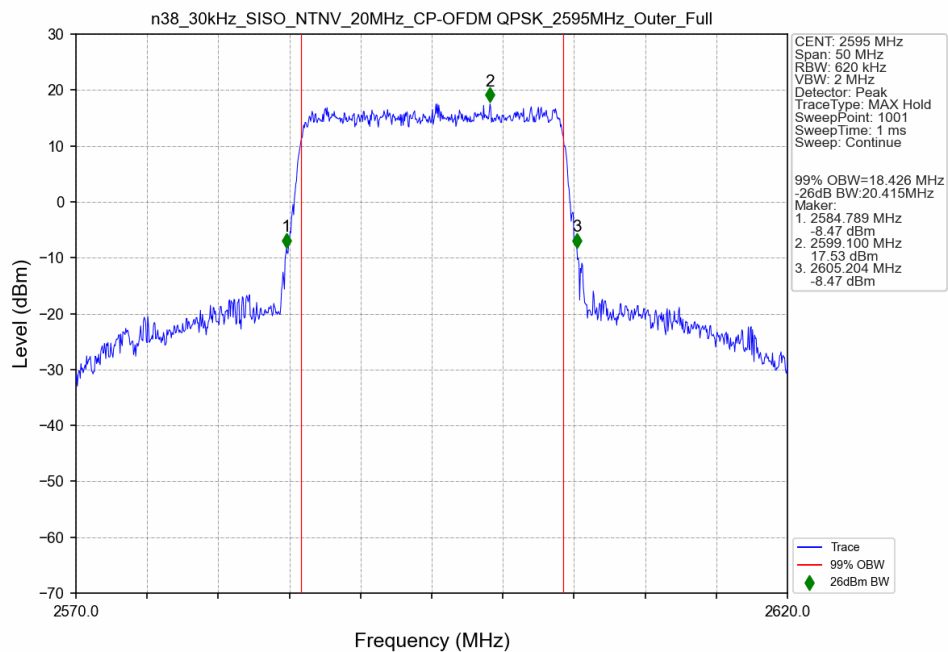
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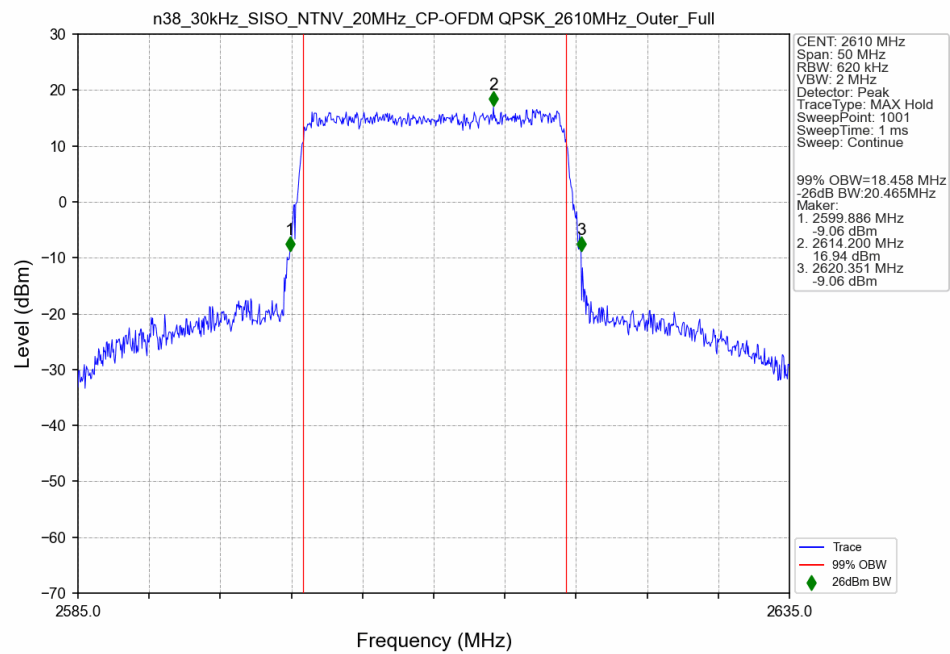
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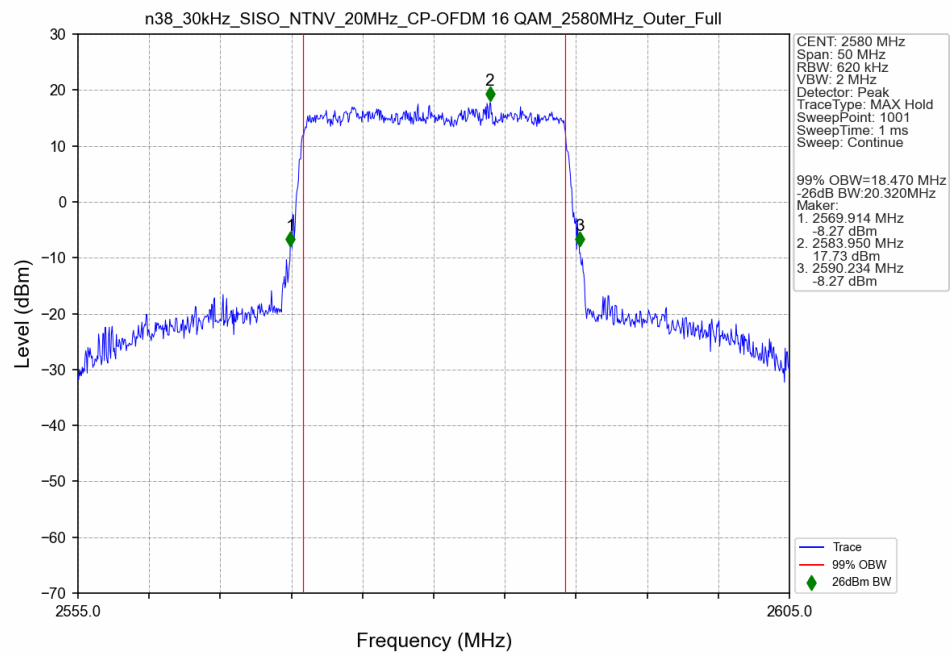
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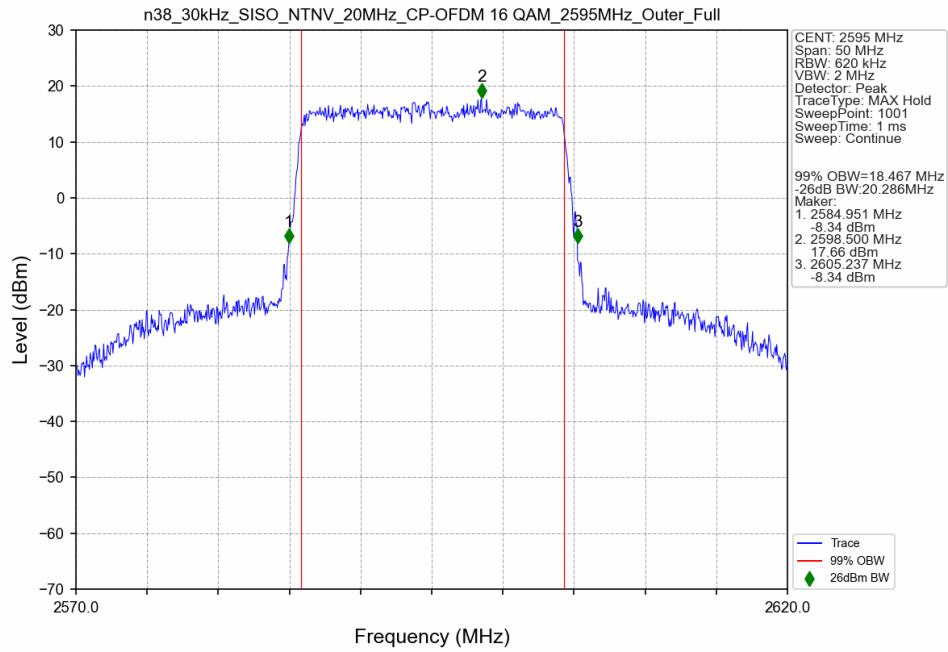
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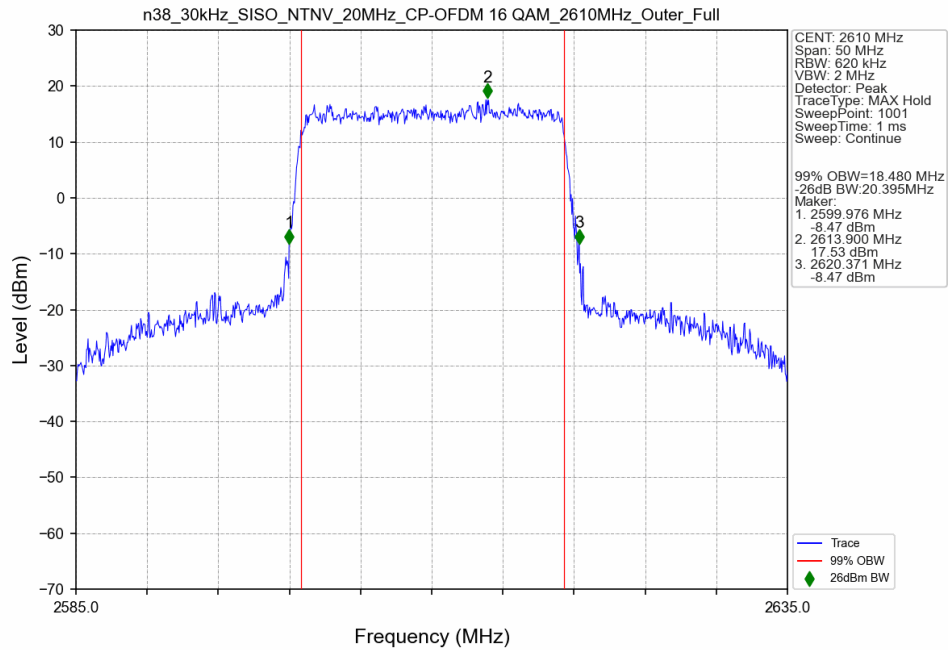
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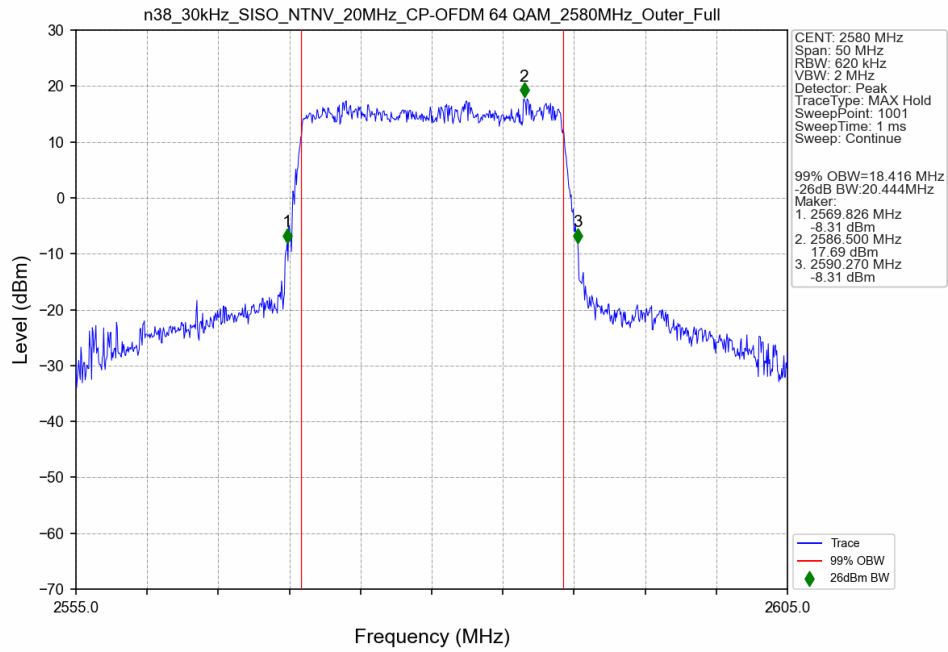
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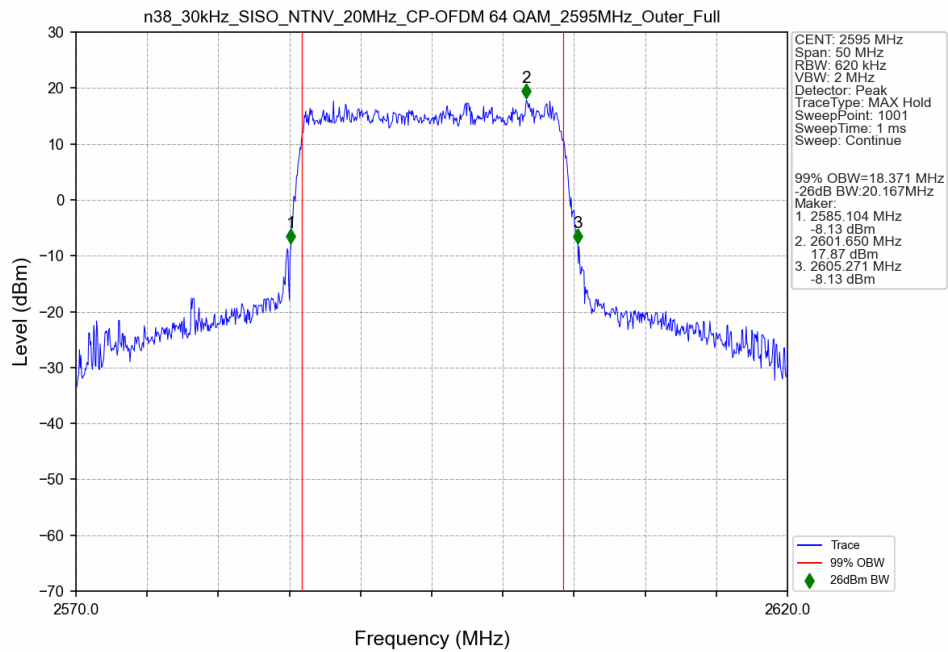
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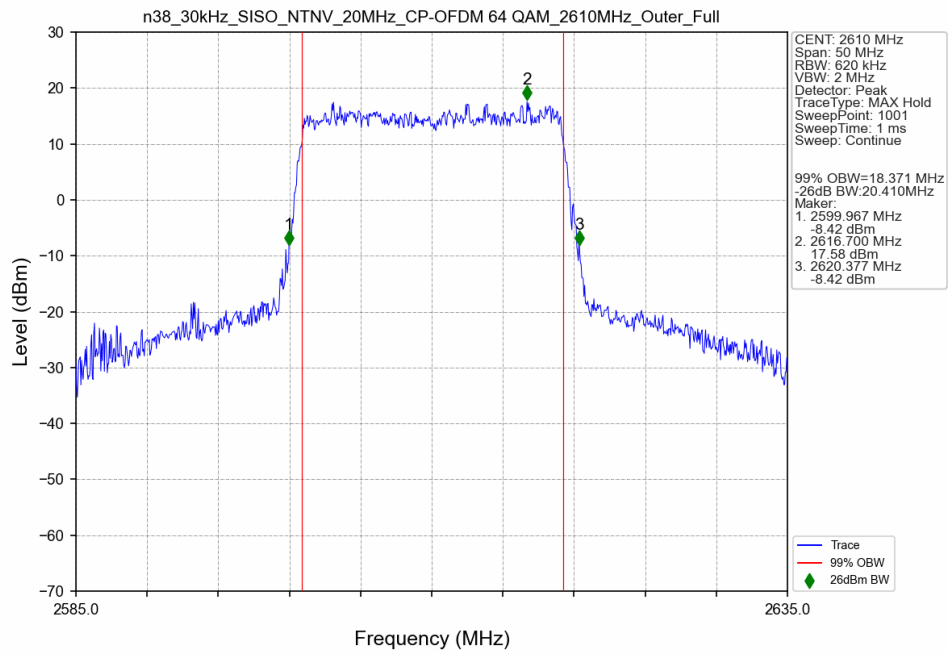
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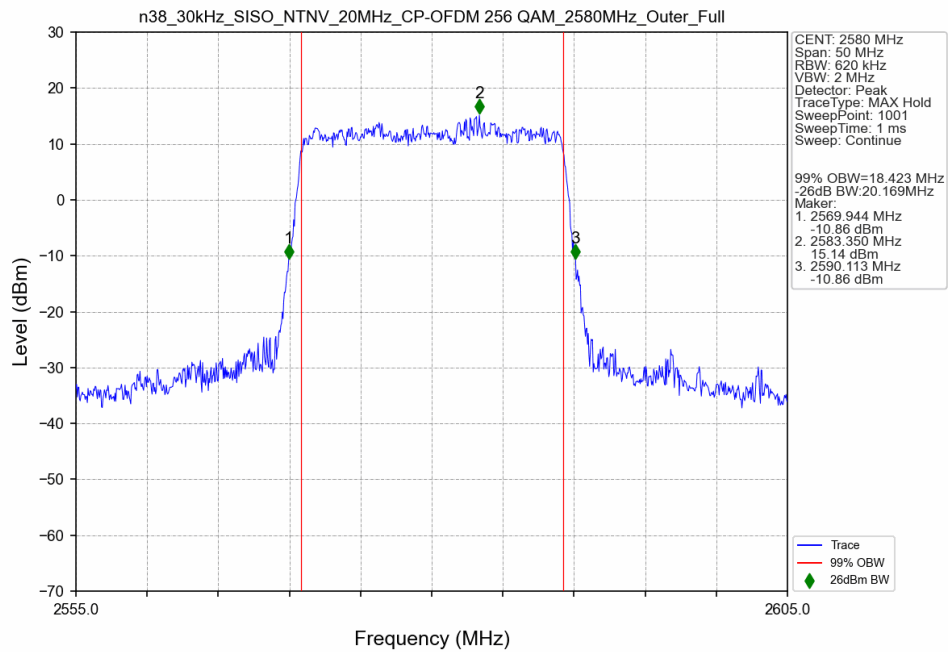
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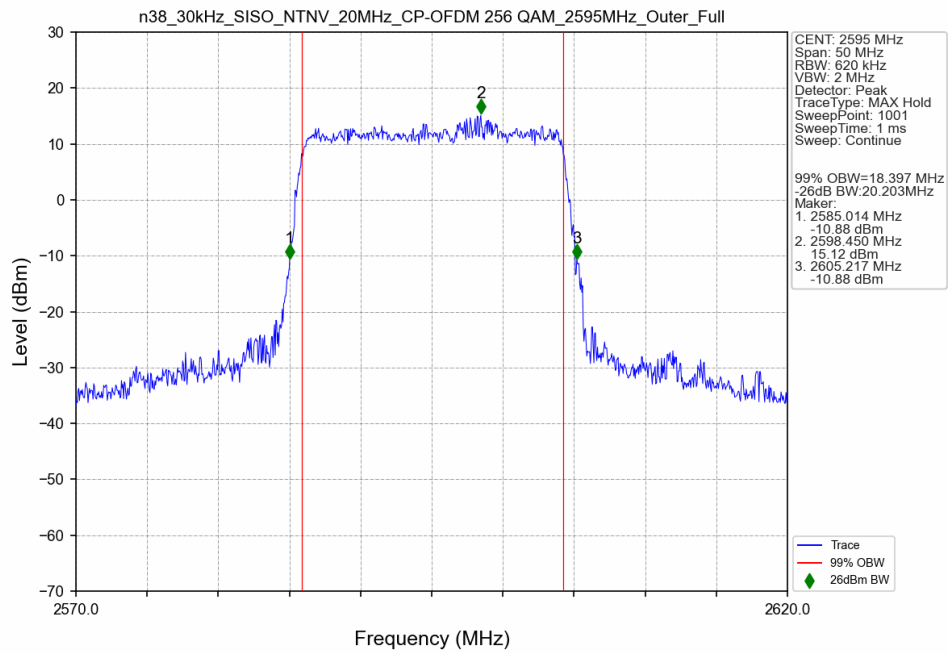
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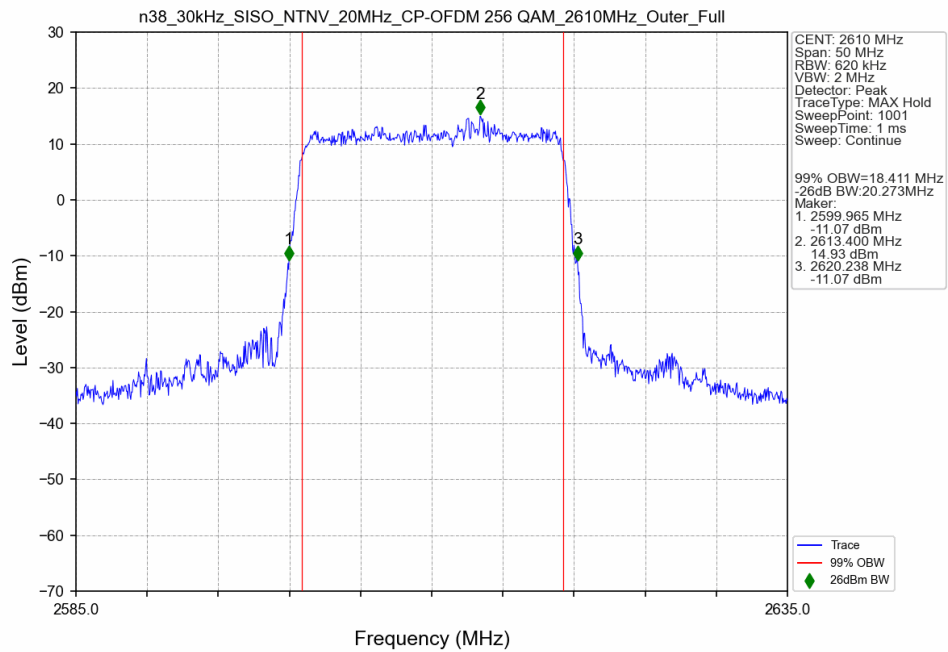
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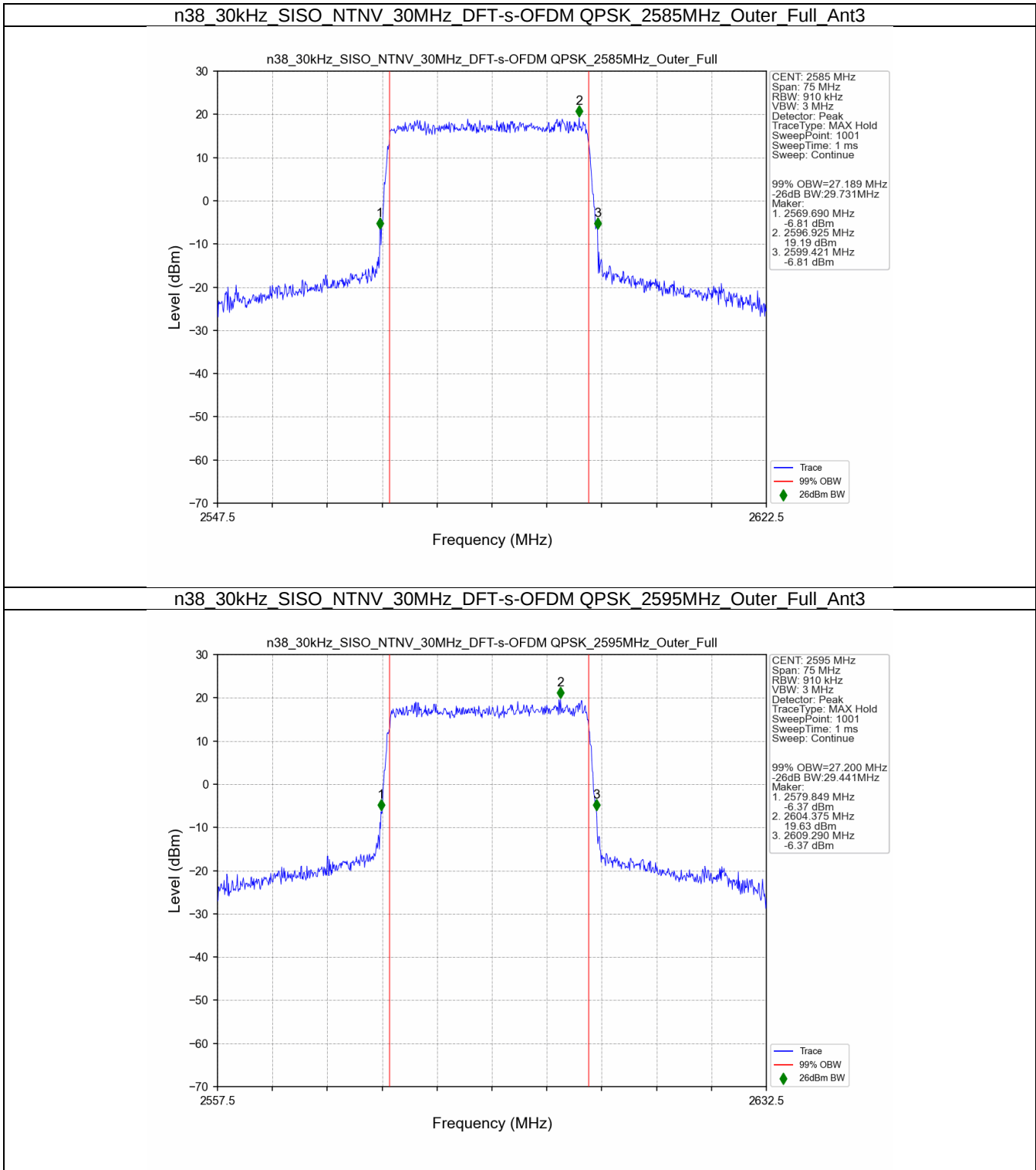
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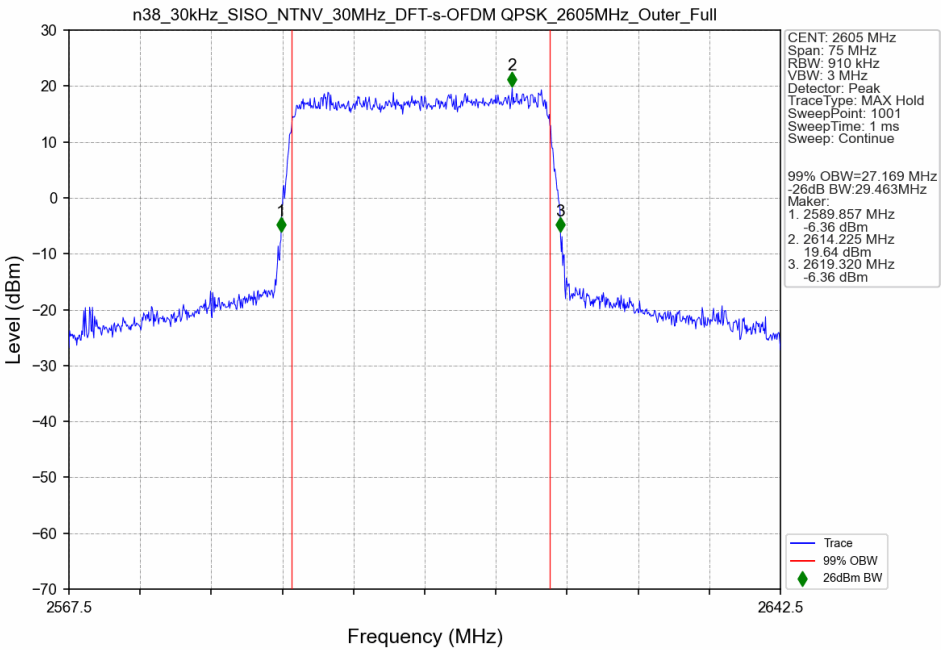
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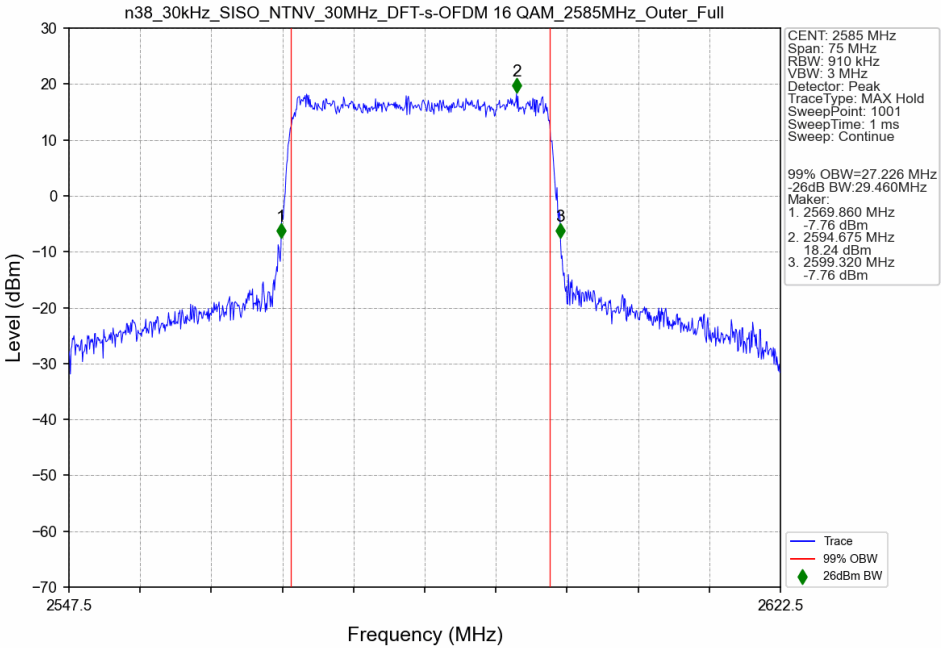
3.2.2 30k_SISO_30MHz_NTNV



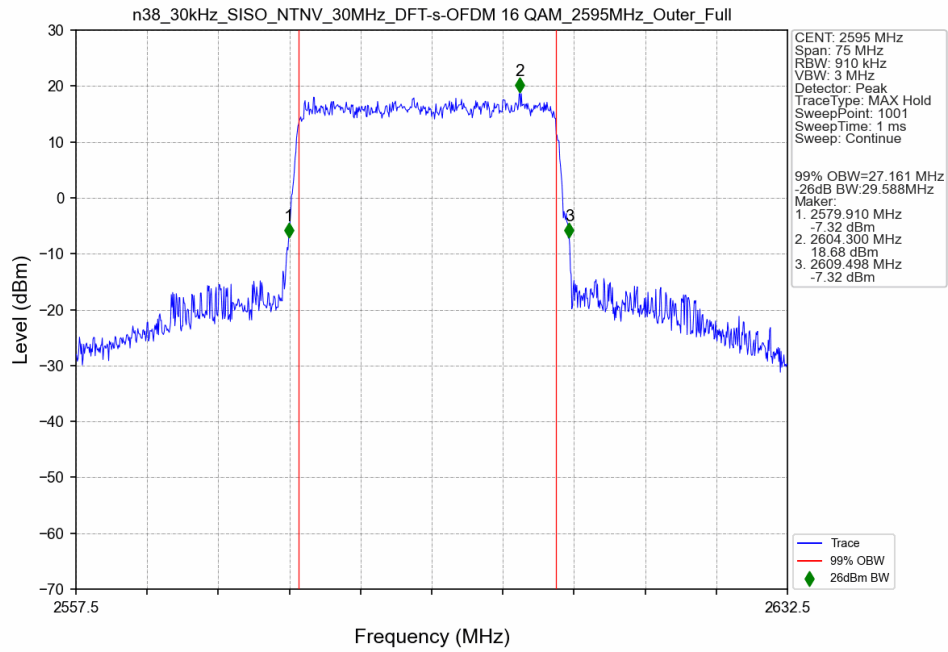
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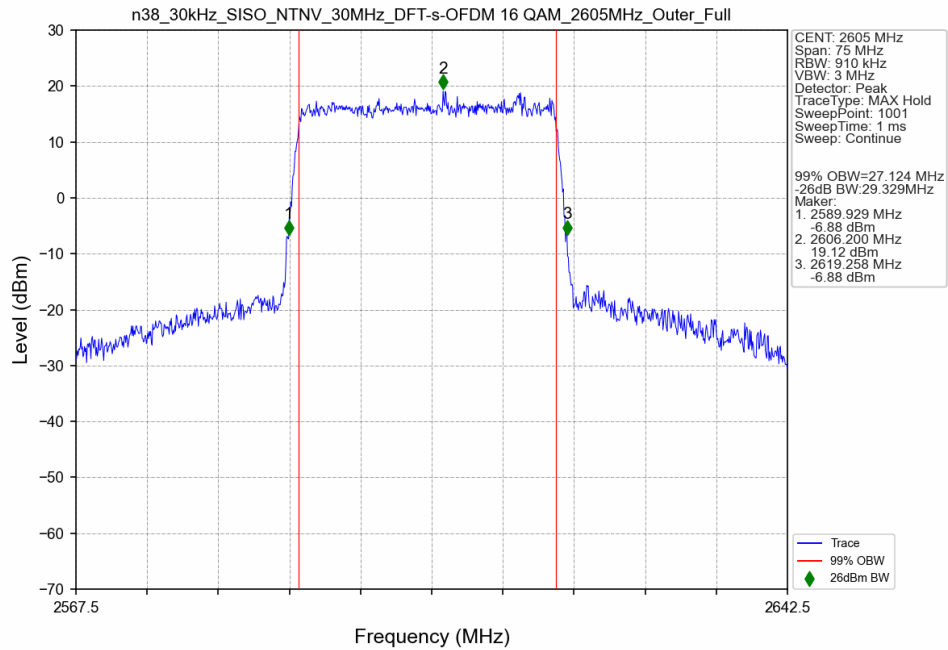
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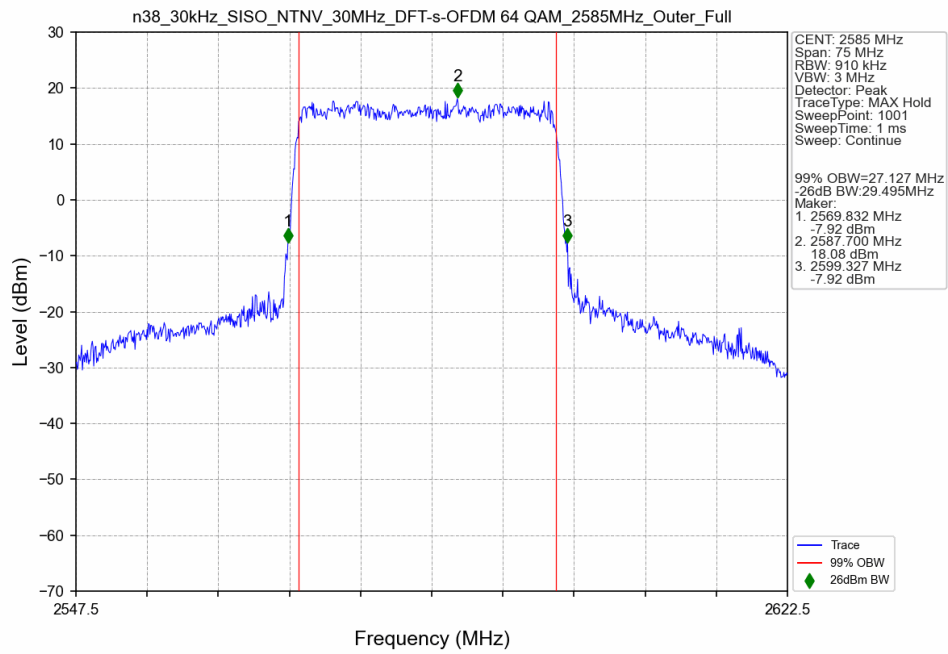
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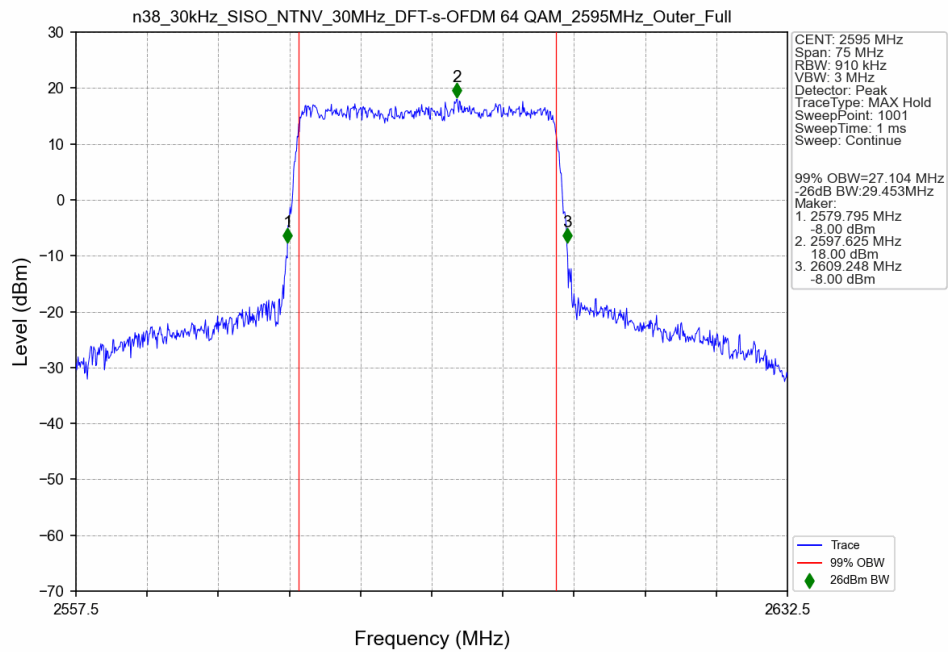
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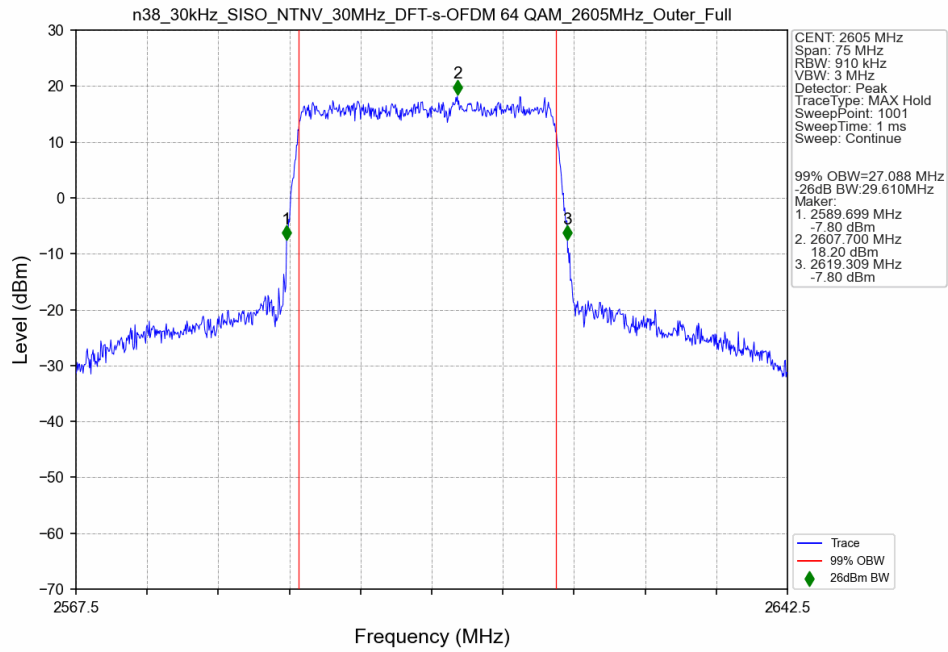
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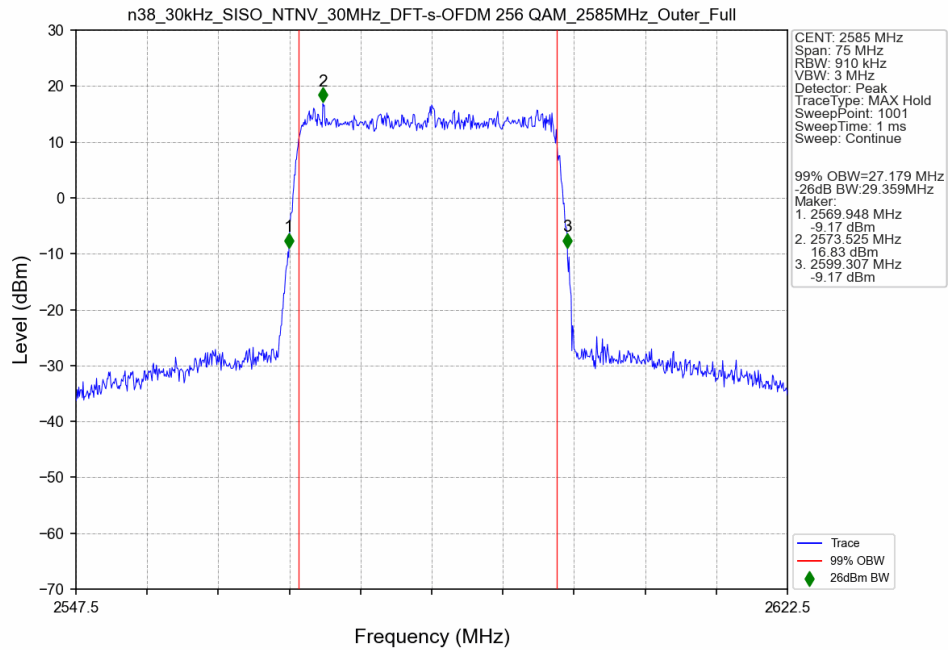
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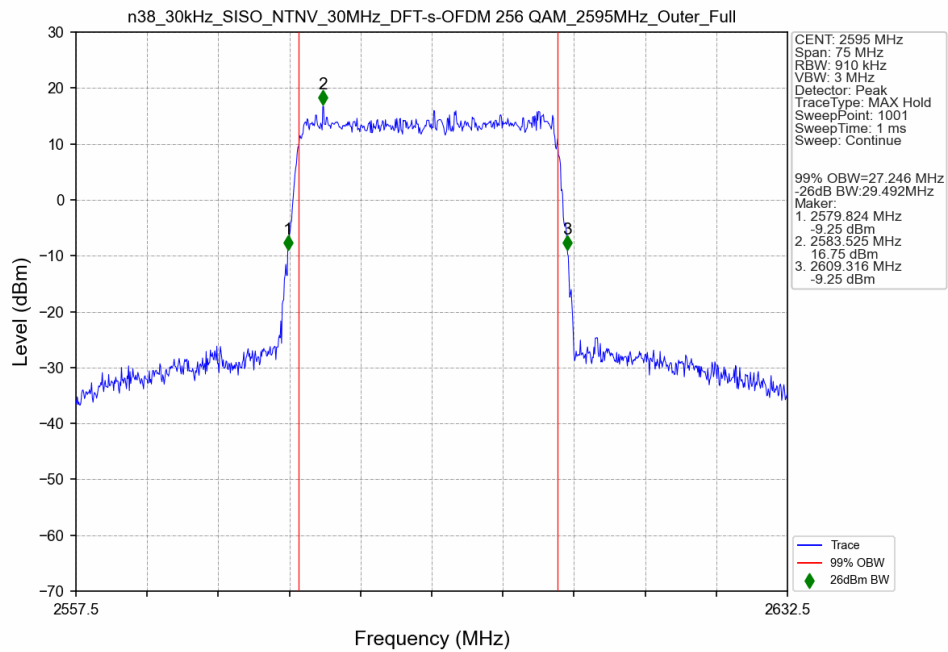
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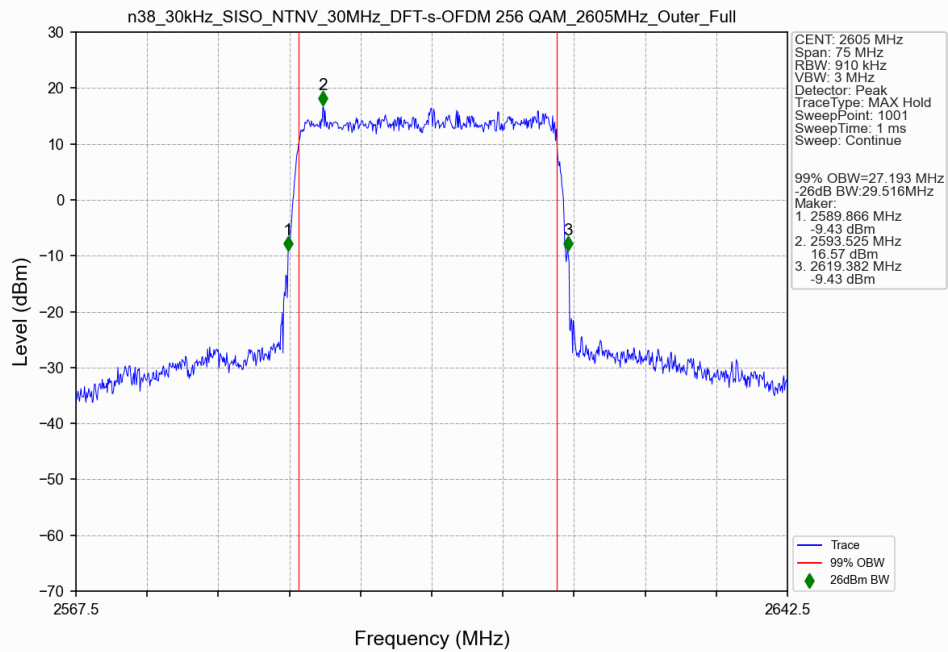
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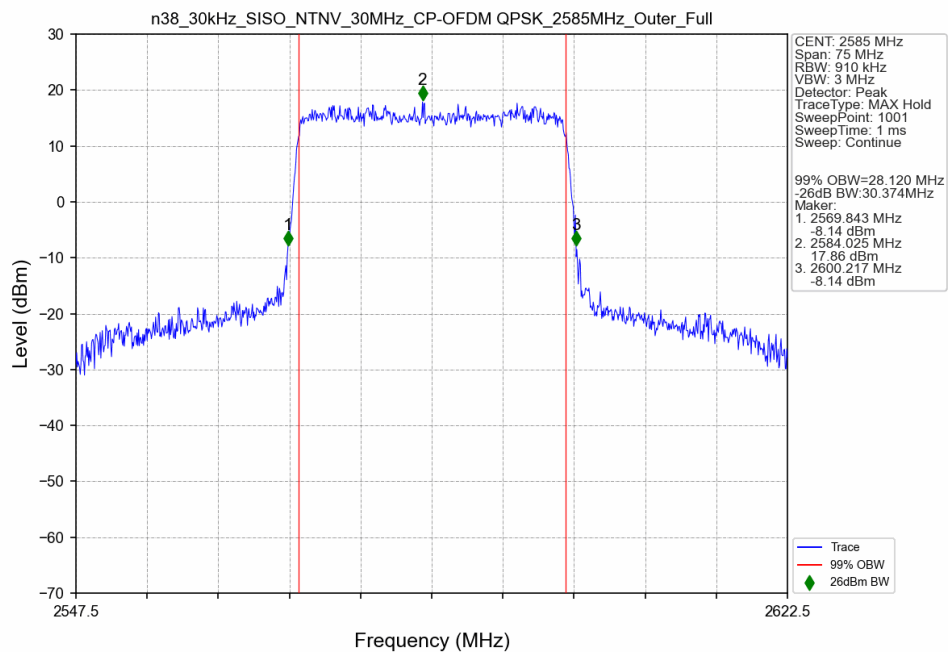
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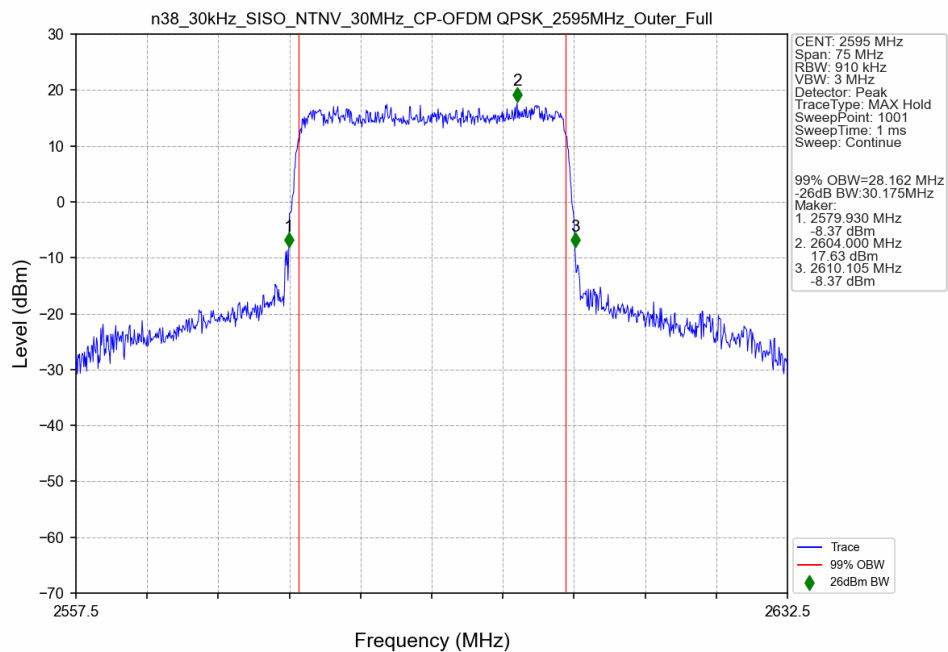
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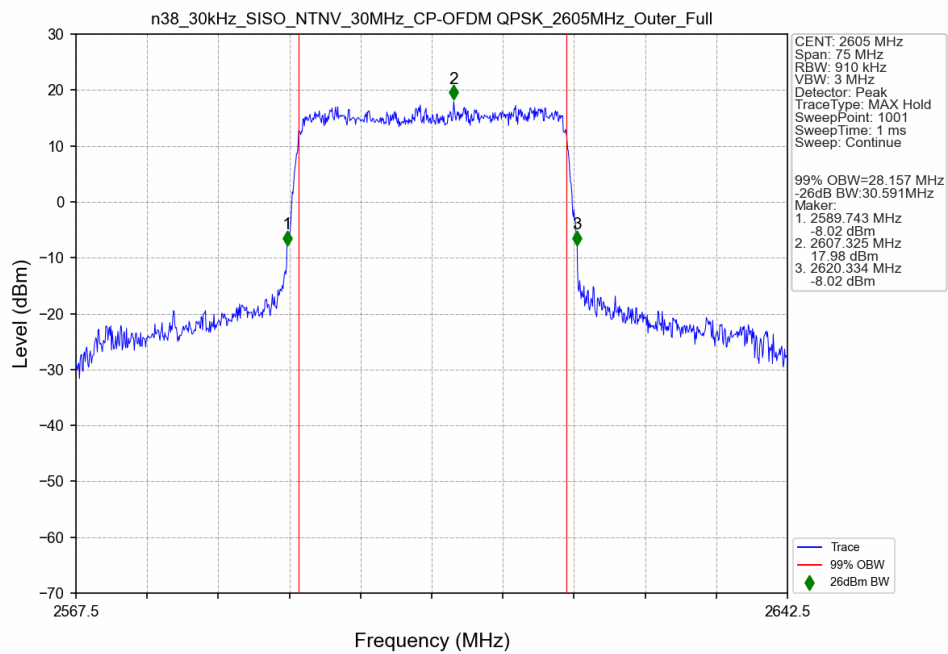
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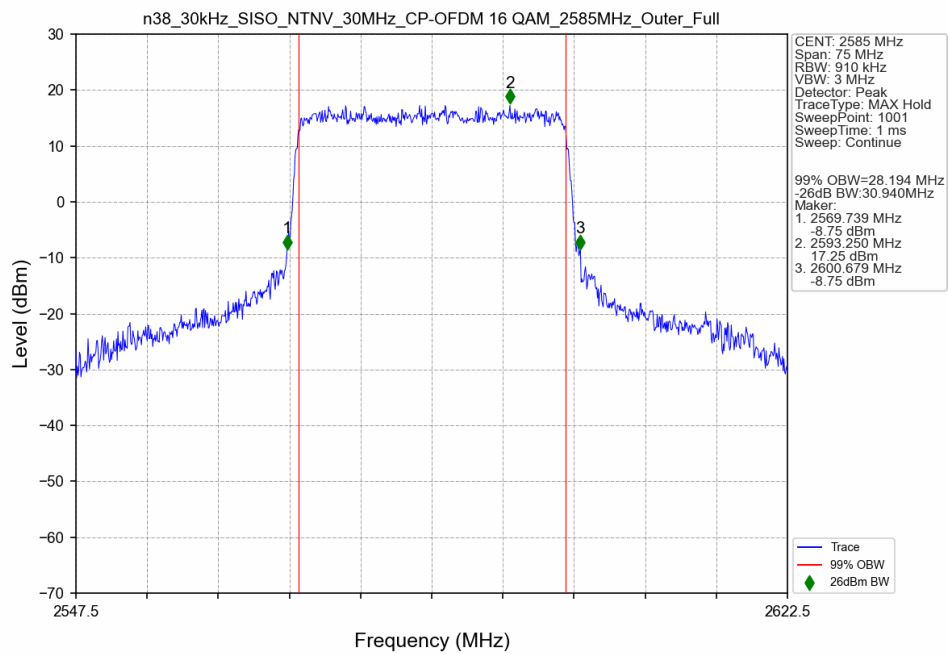
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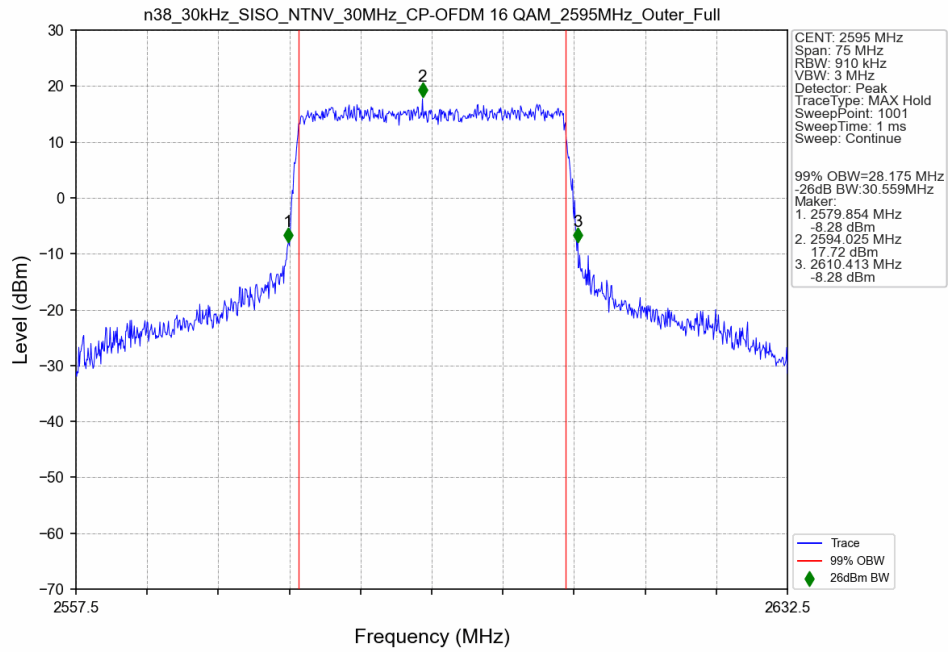
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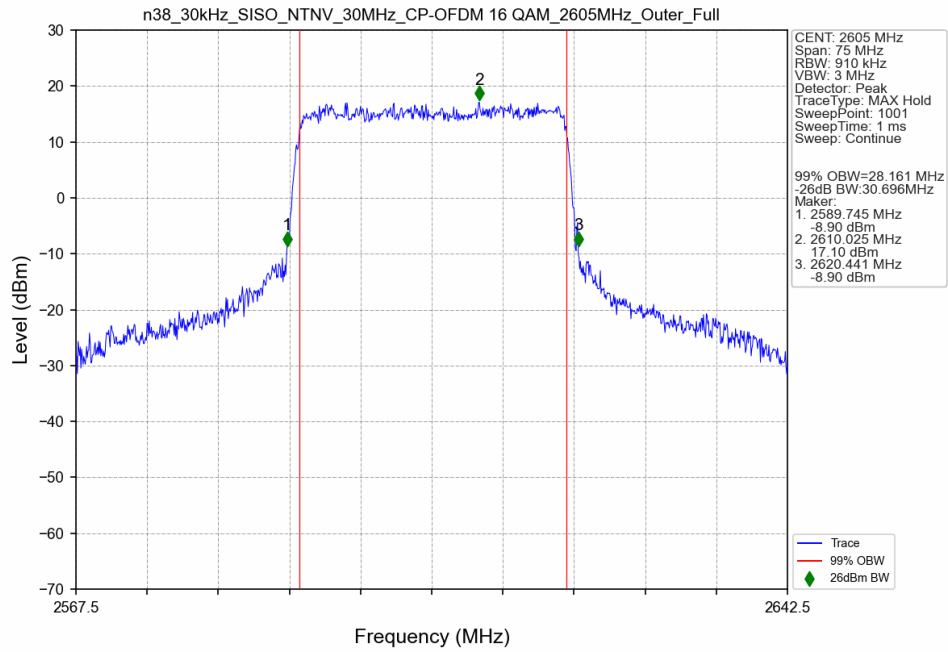
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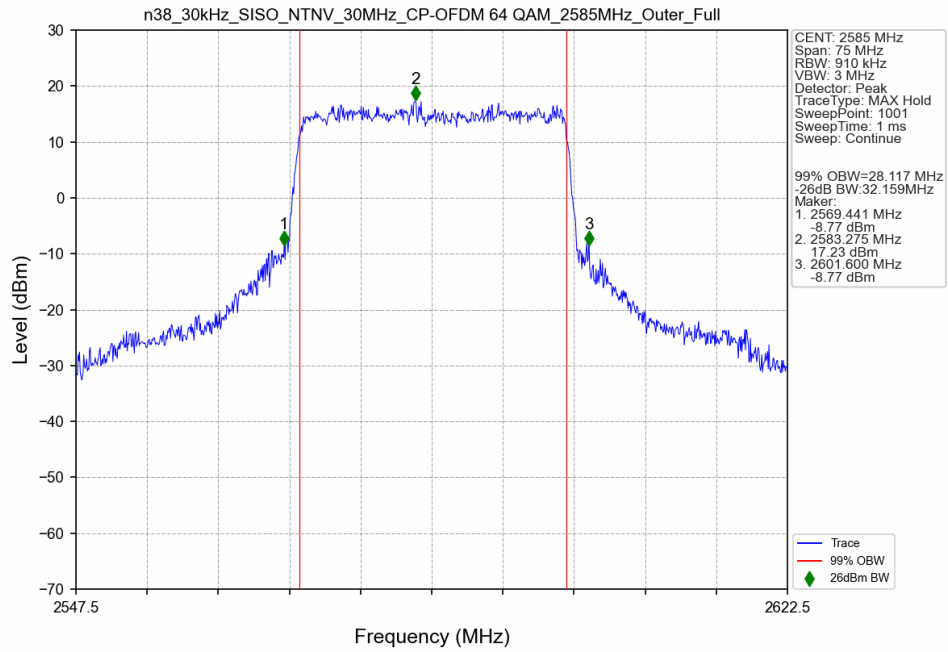
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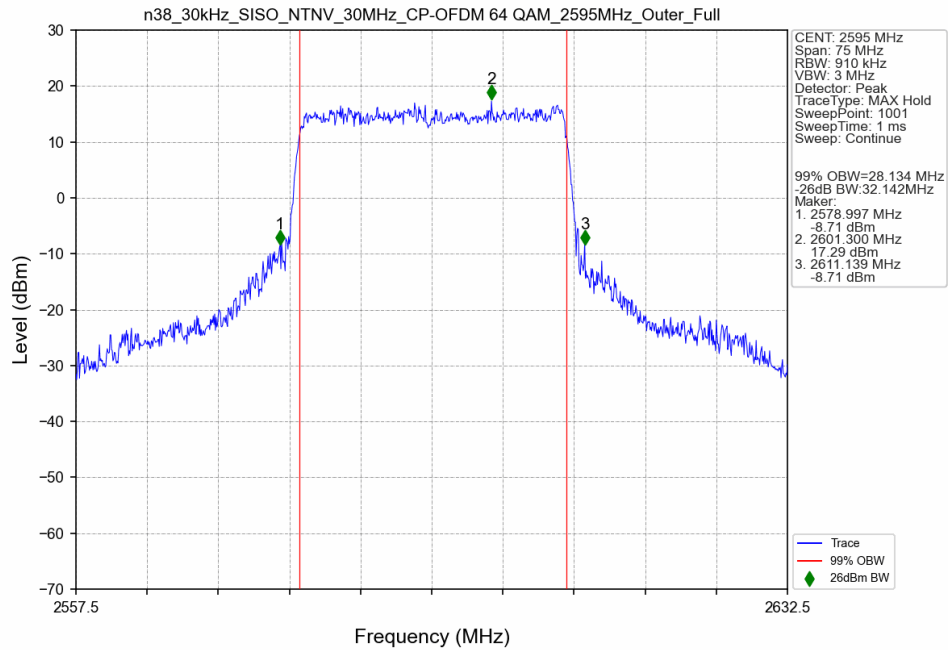
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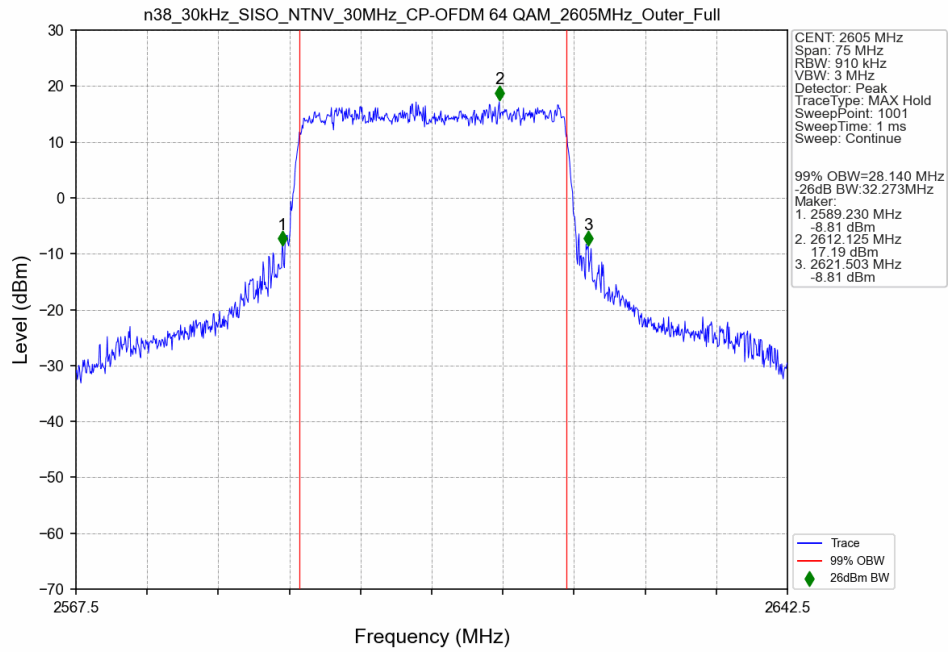
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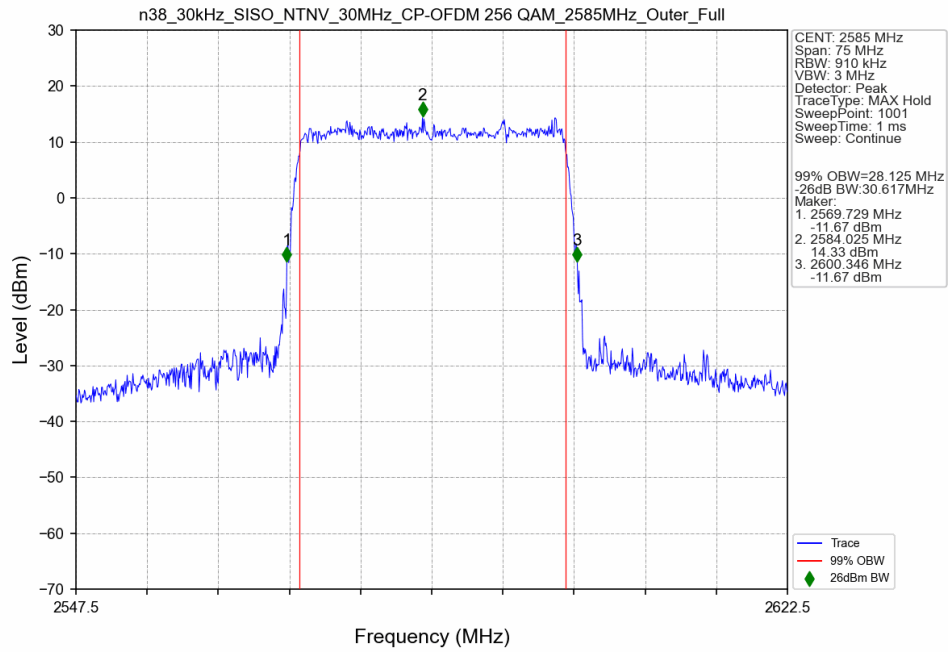
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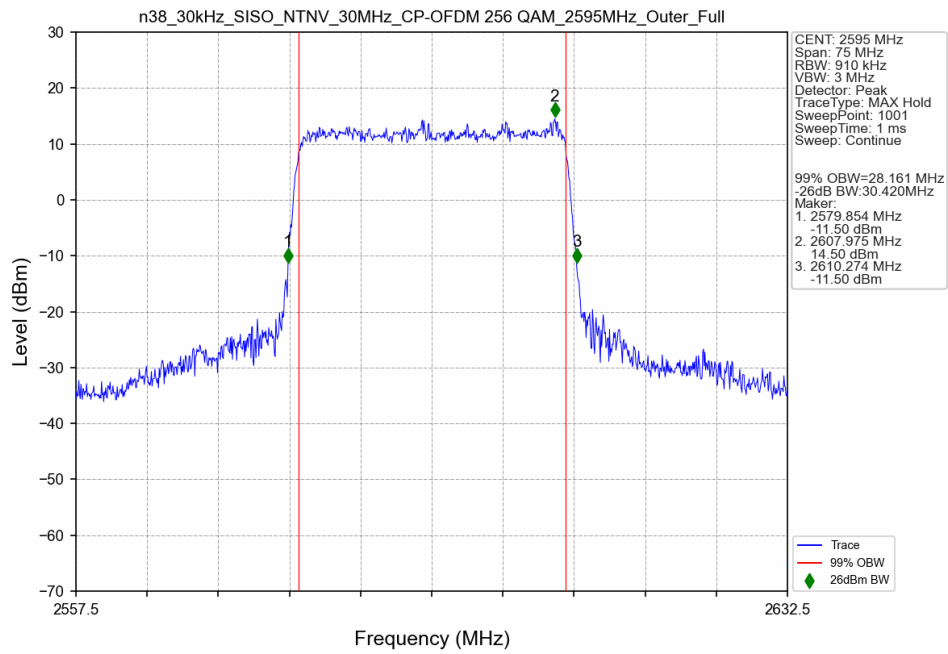
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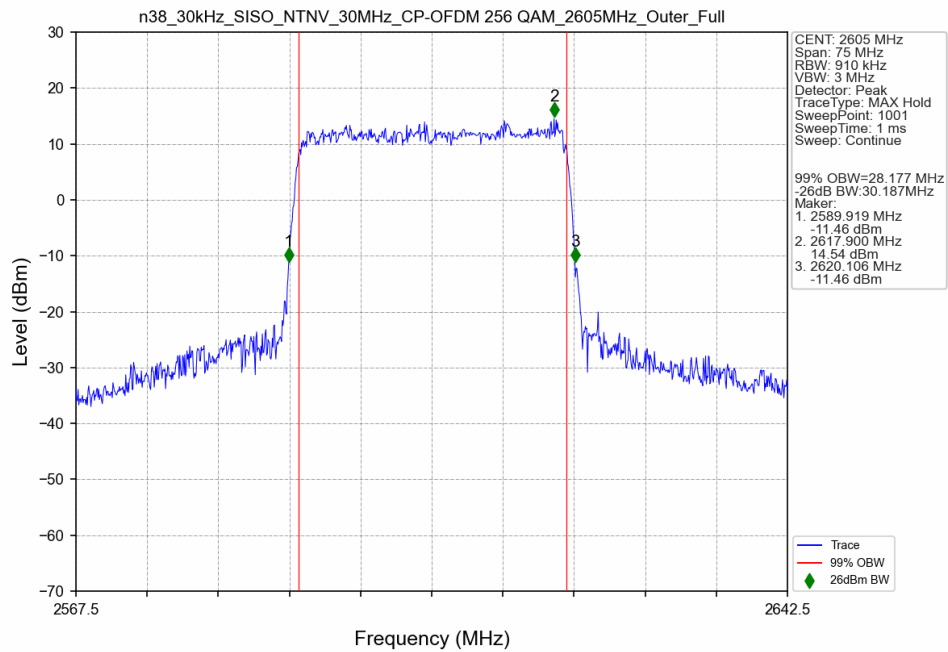
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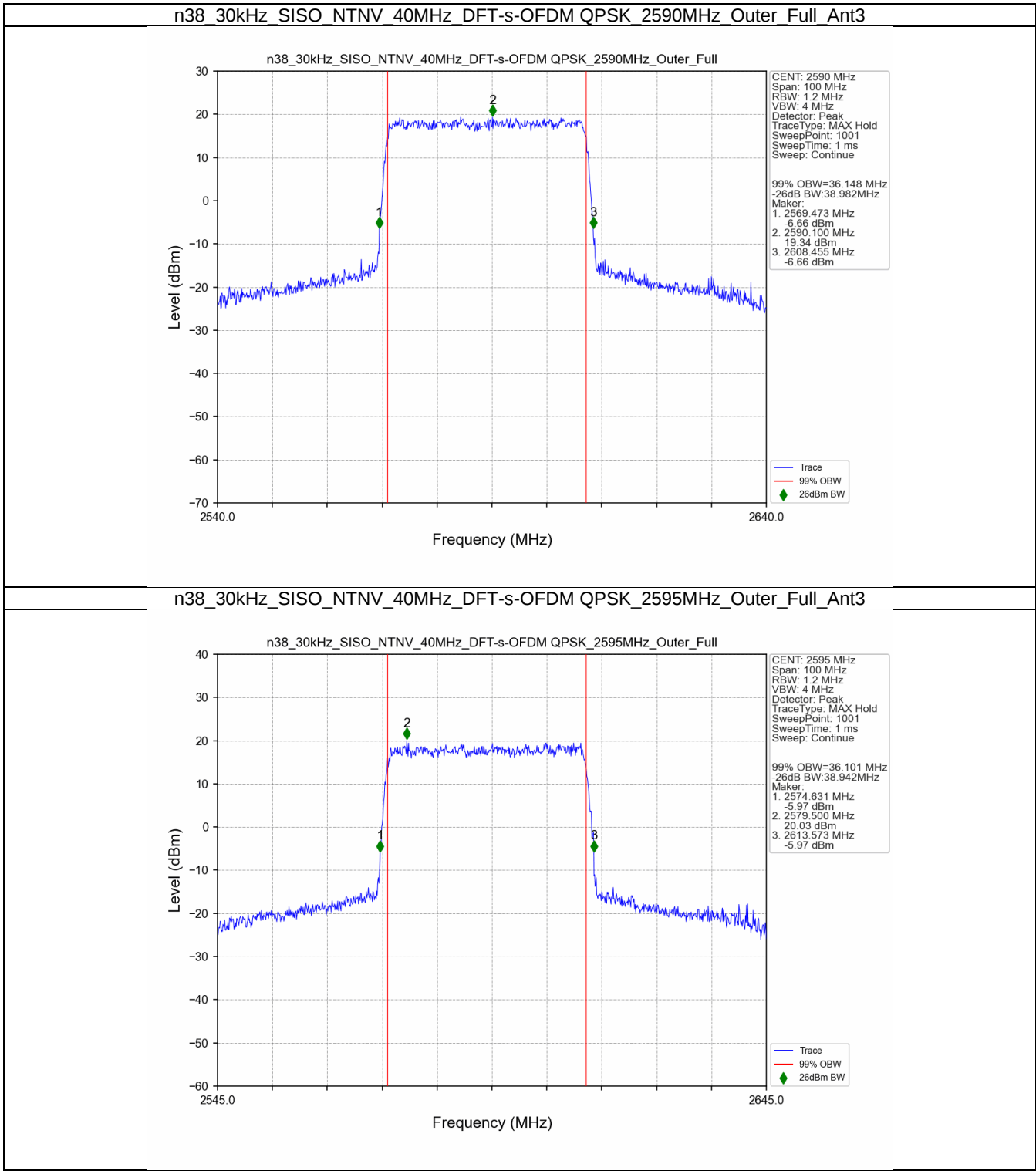
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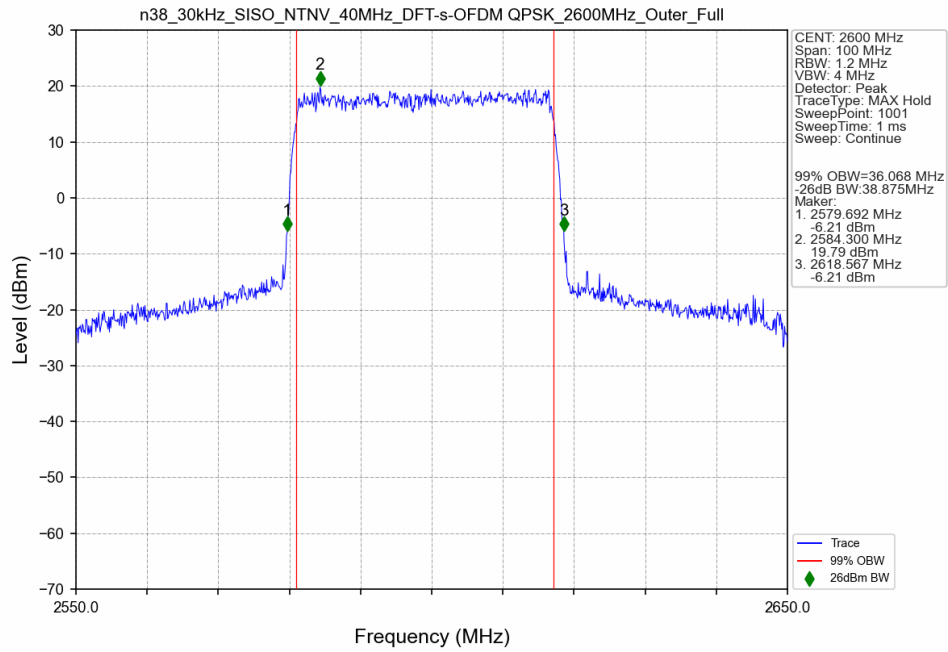
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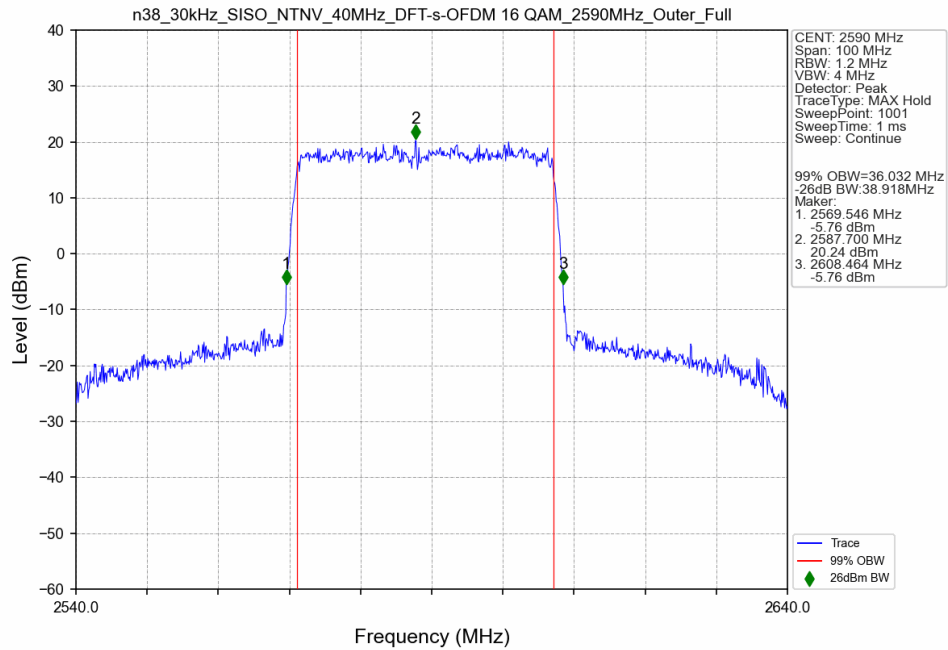
3.2.3 30k_SISO_40MHz_NTNV



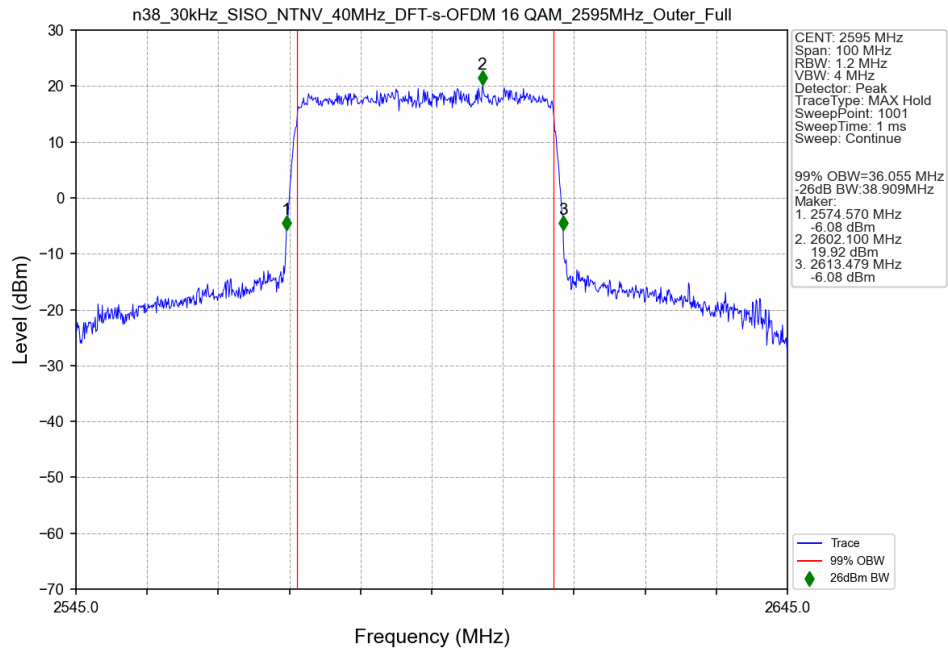
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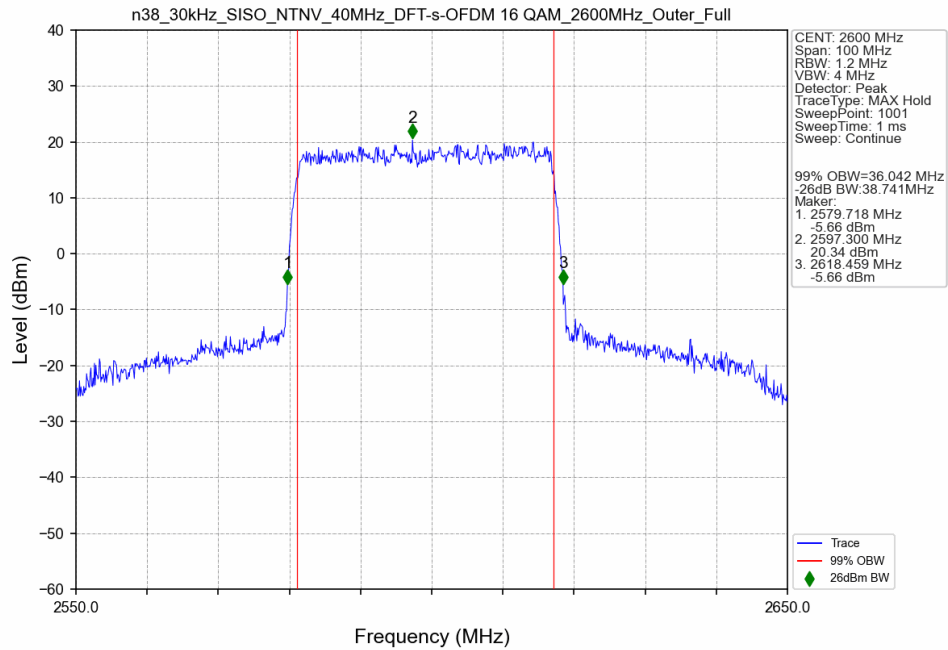
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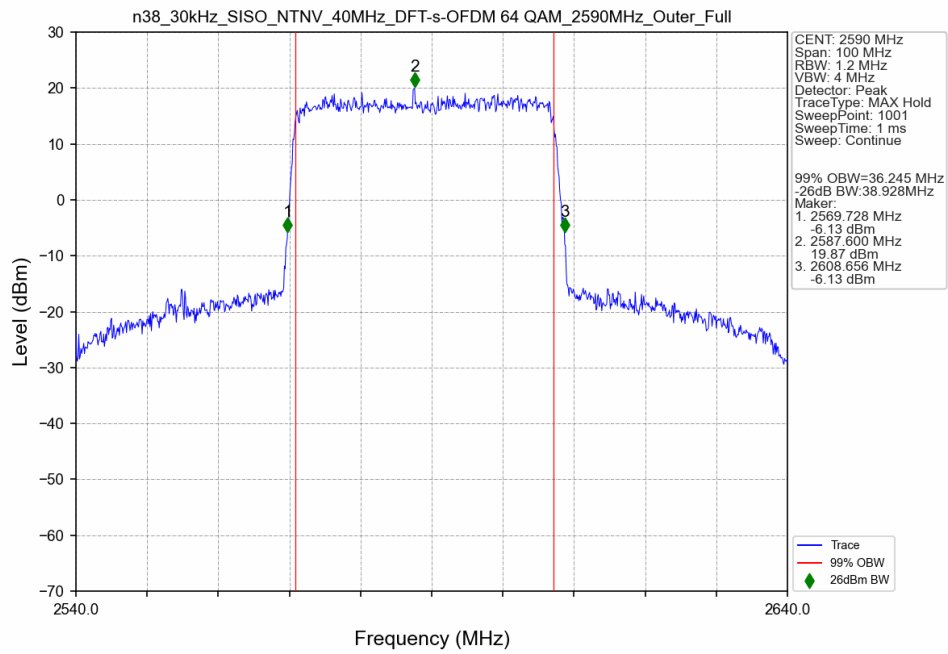
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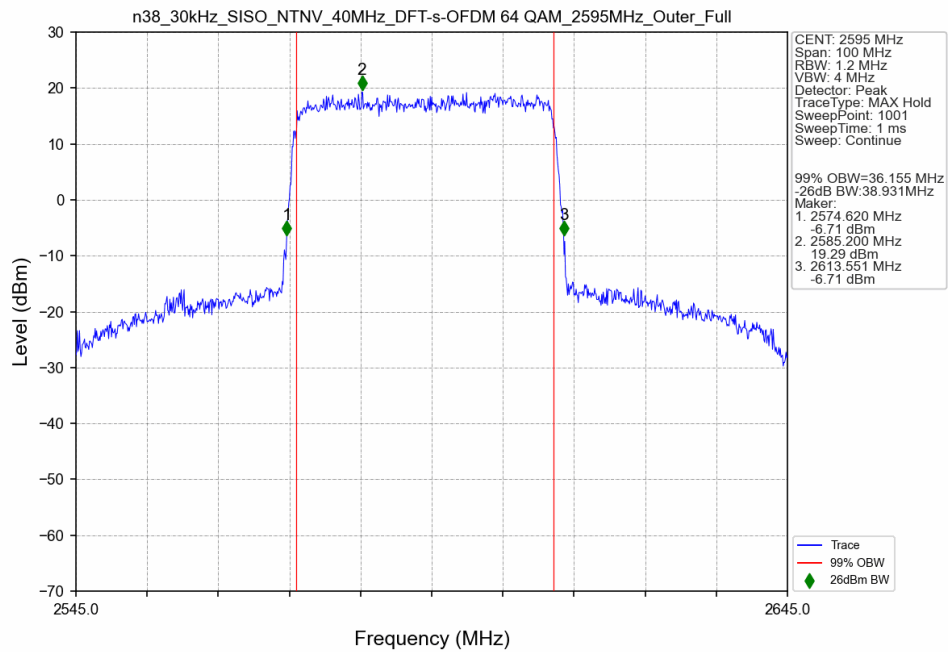
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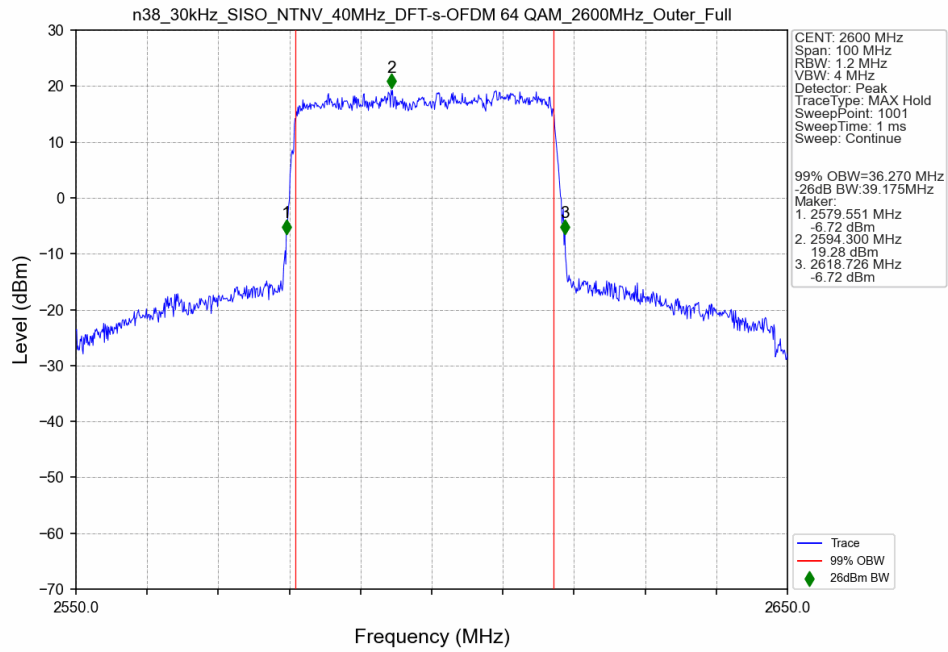
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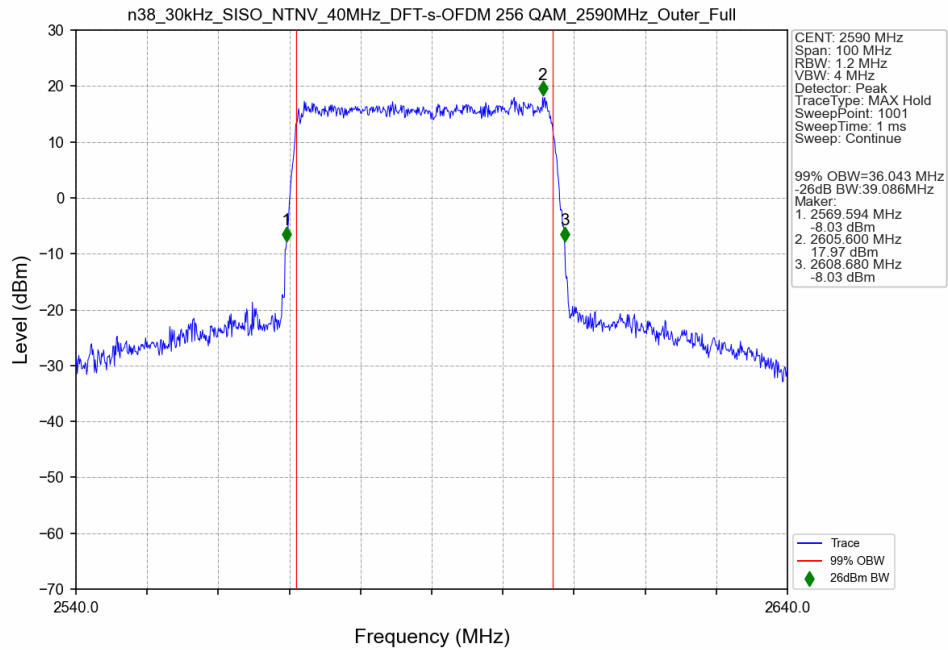
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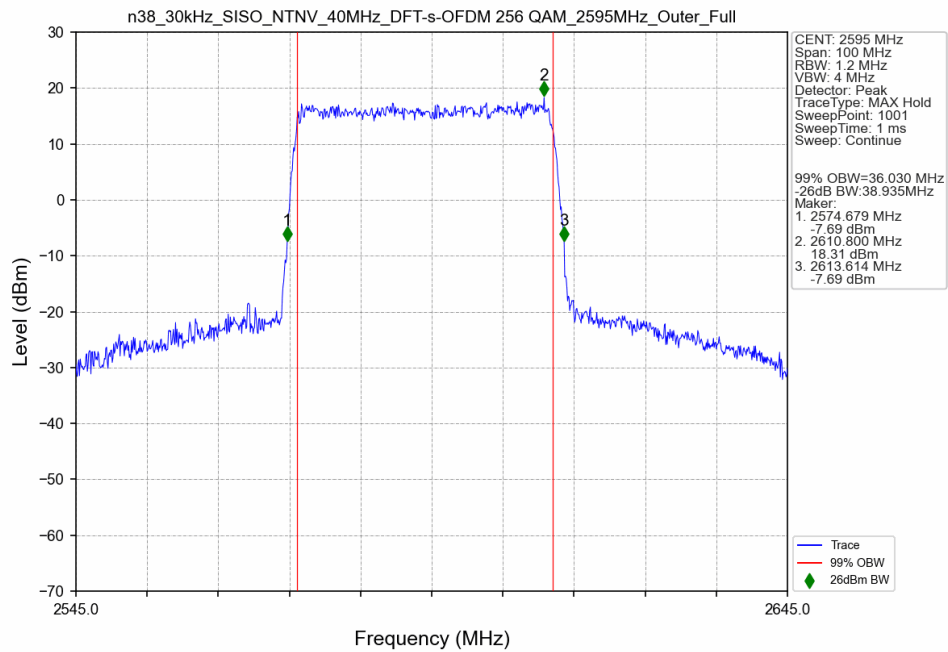
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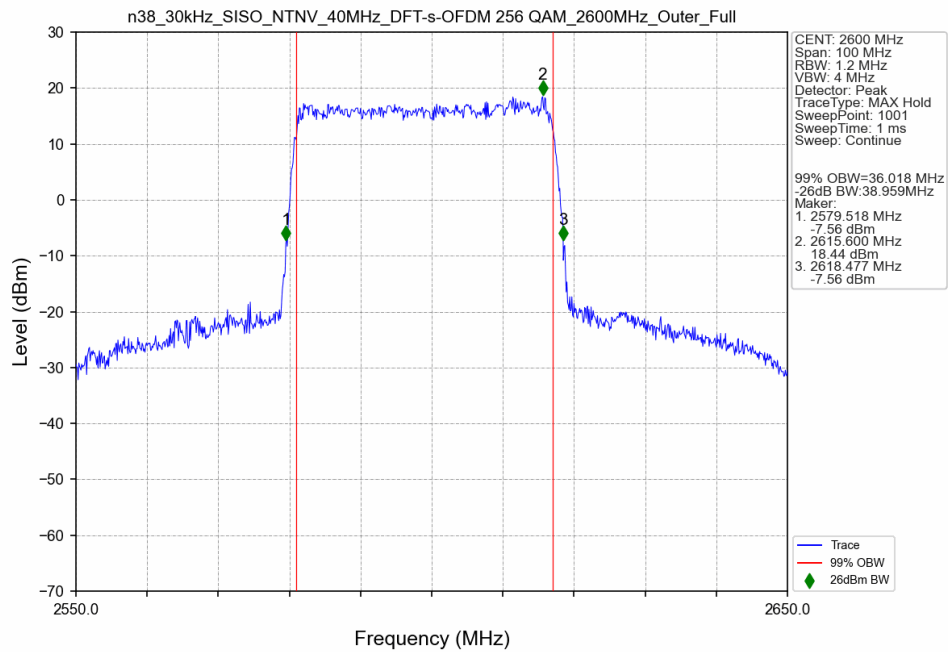
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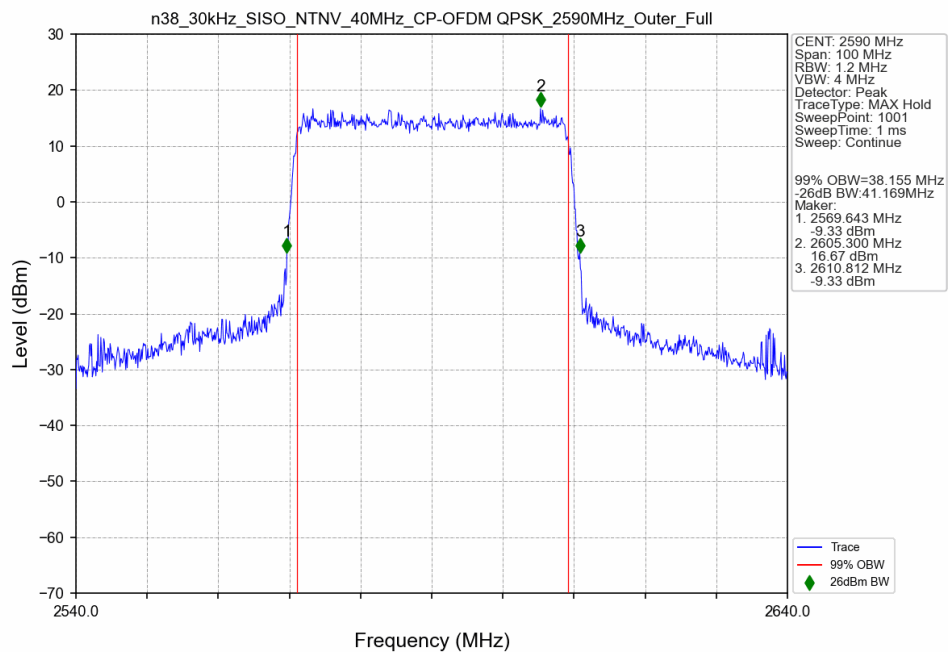
n38 30kHz SISO NTNv 40MHz DFT-s-OFDM 256 QAM 2595MHz Outer Full Ant3



n38 30kHz SISO NTNv 40MHz DFT-s-OFDM 256 QAM 2600MHz Outer Full Ant3



n38_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_2590MHz_Outer_Full_Ant3



n38_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_2595MHz_Outer_Full_Ant3

