

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
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2575	Edge_1RB_Left	22.36	/	/	25.36	/	/	<=33	Pass
		Edge_1RB_Right	22.54	/	/	25.54	/	/	<=33	Pass
		Outer_Full	22.51	/	/	25.51	/	/	<=33	Pass
		Inner_Full	22.99	/	/	25.99	/	/	<=33	Pass
		Inner_1RB_Left	22.91	/	/	25.91	/	/	<=33	Pass
		Inner_1RB_Right	23.08	/	/	26.08	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.68	/	/	25.68	/	/	<=33	Pass
		Edge_1RB_Right	22.63	/	/	25.63	/	/	<=33	Pass
		Outer_Full	22.78	/	/	25.78	/	/	<=33	Pass
		Inner_Full	23.24	/	/	26.24	/	/	<=33	Pass
		Inner_1RB_Left	23.26	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Right	23.23	/	/	26.23	/	/	<=33	Pass
	2615	Edge_1RB_Left	22.70	/	/	25.70	/	/	<=33	Pass
		Edge_1RB_Right	22.63	/	/	25.63	/	/	<=33	Pass
		Outer_Full	22.79	/	/	25.79	/	/	<=33	Pass
		Inner_Full	23.26	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Left	23.25	/	/	26.25	/	/	<=33	Pass
		Inner_1RB_Right	23.26	/	/	26.26	/	/	<=33	Pass
DFT-s-OFDM QPSK	2575	Edge_1RB_Left	21.87	/	/	24.87	/	/	<=33	Pass
		Edge_1RB_Right	21.99	/	/	24.99	/	/	<=33	Pass
		Outer_Full	22.02	/	/	25.02	/	/	<=33	Pass
		Inner_Full	22.86	/	/	25.86	/	/	<=33	Pass
		Inner_1RB_Left	22.88	/	/	25.88	/	/	<=33	Pass
		Inner_1RB_Right	22.97	/	/	25.97	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.12	/	/	25.12	/	/	<=33	Pass
		Edge_1RB_Right	22.13	/	/	25.13	/	/	<=33	Pass
		Outer_Full	22.26	/	/	25.26	/	/	<=33	Pass
		Inner_Full	23.24	/	/	26.24	/	/	<=33	Pass
		Inner_1RB_Left	23.15	/	/	26.15	/	/	<=33	Pass
		Inner_1RB_Right	23.28	/	/	26.28	/	/	<=33	Pass
	2615	Edge_1RB_Left	22.21	/	/	25.21	/	/	<=33	Pass
		Edge_1RB_Right	22.17	/	/	25.17	/	/	<=33	Pass
		Outer_Full	22.29	/	/	25.29	/	/	<=33	Pass
		Inner_Full	23.19	/	/	26.19	/	/	<=33	Pass
		Inner_1RB_Left	23.27	/	/	26.27	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	26.22	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2575	Edge_1RB_Left	20.89	/	/	23.89	/	/	<=33	Pass
		Edge_1RB_Right	21.07	/	/	24.07	/	/	<=33	Pass
		Outer_Full	20.98	/	/	23.98	/	/	<=33	Pass
		Inner_Full	22.01	/	/	25.01	/	/	<=33	Pass
		Inner_1RB_Left	21.83	/	/	24.83	/	/	<=33	Pass
		Inner_1RB_Right	21.98	/	/	24.98	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.27	/	/	24.27	/	/	<=33	Pass
		Edge_1RB_Right	21.05	/	/	24.05	/	/	<=33	Pass
		Outer_Full	21.23	/	/	24.23	/	/	<=33	Pass
		Inner_Full	22.25	/	/	25.25	/	/	<=33	Pass
		Inner_1RB_Left	22.11	/	/	25.11	/	/	<=33	Pass

	2615	Inner 1RB Right	22.27	/	/	25.27	/	/	<=33	Pass
		Edge 1RB Left	21.00	/	/	24.00	/	/	<=33	Pass
		Edge 1RB Right	21.20	/	/	24.20	/	/	<=33	Pass
		Outer Full	21.26	/	/	24.26	/	/	<=33	Pass
		Inner Full	22.21	/	/	25.21	/	/	<=33	Pass
		Inner 1RB Left	22.05	/	/	25.05	/	/	<=33	Pass
		Inner 1RB Right	22.32	/	/	25.32	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2575	Edge 1RB Left	20.38	/	/	23.38	/	/	<=33	Pass
		Edge 1RB Right	20.59	/	/	23.59	/	/	<=33	Pass
		Outer Full	20.46	/	/	23.46	/	/	<=33	Pass
		Inner Full	20.57	/	/	23.57	/	/	<=33	Pass
		Inner 1RB Left	20.39	/	/	23.39	/	/	<=33	Pass
		Inner 1RB Right	20.62	/	/	23.62	/	/	<=33	Pass
	2595	Edge 1RB Left	20.71	/	/	23.71	/	/	<=33	Pass
		Edge 1RB Right	20.71	/	/	23.71	/	/	<=33	Pass
		Outer Full	20.79	/	/	23.79	/	/	<=33	Pass
		Inner Full	20.76	/	/	23.76	/	/	<=33	Pass
		Inner 1RB Left	20.66	/	/	23.66	/	/	<=33	Pass
		Inner 1RB Right	20.68	/	/	23.68	/	/	<=33	Pass
	2615	Edge 1RB Left	20.65	/	/	23.65	/	/	<=33	Pass
		Edge 1RB Right	20.74	/	/	23.74	/	/	<=33	Pass
		Outer Full	20.71	/	/	23.71	/	/	<=33	Pass
		Inner Full	20.80	/	/	23.80	/	/	<=33	Pass
		Inner 1RB Left	20.64	/	/	23.64	/	/	<=33	Pass
		Inner 1RB Right	20.77	/	/	23.77	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2575	Edge 1RB Left	18.24	/	/	21.24	/	/	<=33	Pass
		Edge 1RB Right	18.51	/	/	21.51	/	/	<=33	Pass
		Outer Full	18.52	/	/	21.52	/	/	<=33	Pass
		Inner Full	18.52	/	/	21.52	/	/	<=33	Pass
		Inner 1RB Left	18.47	/	/	21.47	/	/	<=33	Pass
	2595	Inner 1RB Right	18.66	/	/	21.66	/	/	<=33	Pass
		Edge 1RB Left	18.61	/	/	21.61	/	/	<=33	Pass
		Edge 1RB Right	18.61	/	/	21.61	/	/	<=33	Pass
		Outer Full	18.74	/	/	21.74	/	/	<=33	Pass
		Inner Full	18.71	/	/	21.71	/	/	<=33	Pass
	2615	Inner 1RB Left	18.72	/	/	21.72	/	/	<=33	Pass
		Inner 1RB Right	18.73	/	/	21.73	/	/	<=33	Pass
		Edge 1RB Left	18.74	/	/	21.74	/	/	<=33	Pass
		Edge 1RB Right	18.91	/	/	21.91	/	/	<=33	Pass
		Outer Full	18.75	/	/	21.75	/	/	<=33	Pass
CP-OFDM QPSK	2575	Inner Full	18.82	/	/	21.82	/	/	<=33	Pass
		Inner 1RB Left	18.70	/	/	21.70	/	/	<=33	Pass
		Inner 1RB Right	18.81	/	/	21.81	/	/	<=33	Pass
		Edge 1RB Left	19.80	/	/	22.80	/	/	<=33	Pass
		Edge 1RB Right	20.04	/	/	23.04	/	/	<=33	Pass
	2595	Outer Full	19.86	/	/	22.86	/	/	<=33	Pass
		Inner Full	21.46	/	/	24.46	/	/	<=33	Pass
		Inner 1RB Left	21.51	/	/	24.51	/	/	<=33	Pass
		Inner 1RB Right	21.58	/	/	24.58	/	/	<=33	Pass
		Edge 1RB Left	20.24	/	/	23.24	/	/	<=33	Pass
	2615	Edge 1RB Right	20.25	/	/	23.25	/	/	<=33	Pass
		Outer Full	20.17	/	/	23.17	/	/	<=33	Pass
		Inner Full	21.73	/	/	24.73	/	/	<=33	Pass
		Inner 1RB Left	21.88	/	/	24.88	/	/	<=33	Pass
		Inner 1RB Right	21.82	/	/	24.82	/	/	<=33	Pass
	2615	Edge 1RB Left	20.21	/	/	23.21	/	/	<=33	Pass
		Edge 1RB Right	20.21	/	/	23.21	/	/	<=33	Pass
		Outer Full	20.22	/	/	23.22	/	/	<=33	Pass
		Inner Full	21.72	/	/	24.72	/	/	<=33	Pass

		Inner 1RB Left	21.91	/	/	24.91	/	/	<=33	Pass	
		Inner 1RB Right	21.75	/	/	24.75	/	/	<=33	Pass	
CP-OFDM 16 QAM	2575	Edge 1RB Left	19.92	/	/	22.92	/	/	<=33	Pass	
		Edge 1RB Right	19.96	/	/	22.96	/	/	<=33	Pass	
		Outer Full	19.96	/	/	22.96	/	/	<=33	Pass	
		Inner Full	21.01	/	/	24.01	/	/	<=33	Pass	
		Inner 1RB Left	20.90	/	/	23.90	/	/	<=33	Pass	
		Inner 1RB Right	21.09	/	/	24.09	/	/	<=33	Pass	
		Edge 1RB Left	20.25	/	/	23.25	/	/	<=33	Pass	
		Edge 1RB Right	20.12	/	/	23.12	/	/	<=33	Pass	
	2595	Outer Full	20.17	/	/	23.17	/	/	<=33	Pass	
		Inner Full	21.18	/	/	24.18	/	/	<=33	Pass	
		Inner 1RB Left	21.35	/	/	24.35	/	/	<=33	Pass	
		Inner 1RB Right	21.28	/	/	24.28	/	/	<=33	Pass	
		Edge 1RB Left	20.17	/	/	23.17	/	/	<=33	Pass	
		Edge 1RB Right	20.35	/	/	23.35	/	/	<=33	Pass	
	2615	Outer Full	20.18	/	/	23.18	/	/	<=33	Pass	
		Inner Full	21.19	/	/	24.19	/	/	<=33	Pass	
		Inner 1RB Left	21.16	/	/	24.16	/	/	<=33	Pass	
		Inner 1RB Right	21.29	/	/	24.29	/	/	<=33	Pass	
Edge 1RB Left		19.28	/	/	22.28	/	/	<=33	Pass		
Edge 1RB Right		19.58	/	/	22.58	/	/	<=33	Pass		
CP-OFDM 64 QAM	2575	Outer Full	19.50	/	/	22.50	/	/	<=33	Pass	
		Inner Full	19.42	/	/	22.42	/	/	<=33	Pass	
		Inner 1RB Left	19.05	/	/	22.05	/	/	<=33	Pass	
		Inner 1RB Right	19.51	/	/	22.51	/	/	<=33	Pass	
		Edge 1RB Left	19.83	/	/	22.83	/	/	<=33	Pass	
		Edge 1RB Right	19.55	/	/	22.55	/	/	<=33	Pass	
	2595	Outer Full	19.73	/	/	22.73	/	/	<=33	Pass	
		Inner Full	19.76	/	/	22.76	/	/	<=33	Pass	
		Inner 1RB Left	19.57	/	/	22.57	/	/	<=33	Pass	
		Inner 1RB Right	19.95	/	/	22.95	/	/	<=33	Pass	
		Edge 1RB Left	19.71	/	/	22.71	/	/	<=33	Pass	
		Edge 1RB Right	19.84	/	/	22.84	/	/	<=33	Pass	
	2615	Outer Full	19.73	/	/	22.73	/	/	<=33	Pass	
		Inner Full	19.72	/	/	22.72	/	/	<=33	Pass	
		Inner 1RB Left	19.72	/	/	22.72	/	/	<=33	Pass	
		Inner 1RB Right	19.80	/	/	22.80	/	/	<=33	Pass	
		Edge 1RB Left	16.33	/	/	19.33	/	/	<=33	Pass	
		Edge 1RB Right	16.74	/	/	19.74	/	/	<=33	Pass	
CP-OFDM 256 QAM	2575	Outer Full	16.48	/	/	19.48	/	/	<=33	Pass	
		Inner Full	16.41	/	/	19.41	/	/	<=33	Pass	
		Inner 1RB Left	16.55	/	/	19.55	/	/	<=33	Pass	
		Inner 1RB Right	16.75	/	/	19.75	/	/	<=33	Pass	
		Edge 1RB Left	16.72	/	/	19.72	/	/	<=33	Pass	
		Edge 1RB Right	16.75	/	/	19.75	/	/	<=33	Pass	
	2595	Outer Full	16.77	/	/	19.77	/	/	<=33	Pass	
		Inner Full	16.84	/	/	19.84	/	/	<=33	Pass	
		Inner 1RB Left	16.90	/	/	19.90	/	/	<=33	Pass	
		Inner 1RB Right	17.02	/	/	20.02	/	/	<=33	Pass	
		Edge 1RB Left	16.65	/	/	19.65	/	/	<=33	Pass	
		Edge 1RB Right	16.79	/	/	19.79	/	/	<=33	Pass	
	2615	Outer Full	16.82	/	/	19.82	/	/	<=33	Pass	
		Inner Full	16.79	/	/	19.79	/	/	<=33	Pass	
		Inner 1RB Left	16.98	/	/	19.98	/	/	<=33	Pass	
		Inner 1RB Right	16.84	/	/	19.84	/	/	<=33	Pass	
		Note1: Antenna Gain: Ant1: 3.00dBi;									
		Note2: EIRP=Conducted Power+Antenna Gain									

1.1.2 30k_SISO_20MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2580	Edge_1RB_Left	22.43	/	/	25.43	/	/	<=33	Pass
		Edge_1RB_Right	22.61	/	/	25.61	/	/	<=33	Pass
		Outer_Full	22.70	/	/	25.70	/	/	<=33	Pass
		Inner_Full	23.22	/	/	26.22	/	/	<=33	Pass
		Inner_1RB_Left	22.92	/	/	25.92	/	/	<=33	Pass
		Inner_1RB_Right	23.16	/	/	26.16	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.65	/	/	25.65	/	/	<=33	Pass
		Edge_1RB_Right	22.67	/	/	25.67	/	/	<=33	Pass
		Outer_Full	22.84	/	/	25.84	/	/	<=33	Pass
		Inner_Full	23.30	/	/	26.30	/	/	<=33	Pass
		Inner_1RB_Left	23.26	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Right	23.07	/	/	26.07	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.68	/	/	25.68	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	25.68	/	/	<=33	Pass
		Outer_Full	22.82	/	/	25.82	/	/	<=33	Pass
		Inner_Full	23.36	/	/	26.36	/	/	<=33	Pass
		Inner_1RB_Left	23.16	/	/	26.16	/	/	<=33	Pass
		Inner_1RB_Right	23.21	/	/	26.21	/	/	<=33	Pass
DFT-s-OFDM QPSK	2580	Edge_1RB_Left	21.94	/	/	24.94	/	/	<=33	Pass
		Edge_1RB_Right	22.12	/	/	25.12	/	/	<=33	Pass
		Outer_Full	22.15	/	/	25.15	/	/	<=33	Pass
		Inner_Full	23.29	/	/	26.29	/	/	<=33	Pass
		Inner_1RB_Left	22.96	/	/	25.96	/	/	<=33	Pass
		Inner_1RB_Right	23.18	/	/	26.18	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.22	/	/	25.22	/	/	<=33	Pass
		Edge_1RB_Right	21.99	/	/	24.99	/	/	<=33	Pass
		Outer_Full	22.24	/	/	25.24	/	/	<=33	Pass
		Inner_Full	23.23	/	/	26.23	/	/	<=33	Pass
		Inner_1RB_Left	23.19	/	/	26.19	/	/	<=33	Pass
		Inner_1RB_Right	23.05	/	/	26.05	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.18	/	/	25.18	/	/	<=33	Pass
		Edge_1RB_Right	22.20	/	/	25.20	/	/	<=33	Pass
		Outer_Full	22.33	/	/	25.33	/	/	<=33	Pass
		Inner_Full	23.33	/	/	26.33	/	/	<=33	Pass
		Inner_1RB_Left	23.18	/	/	26.18	/	/	<=33	Pass
		Inner_1RB_Right	23.20	/	/	26.20	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Edge_1RB_Left	20.96	/	/	23.96	/	/	<=33	Pass
		Edge_1RB_Right	21.15	/	/	24.15	/	/	<=33	Pass
		Outer_Full	21.22	/	/	24.22	/	/	<=33	Pass
		Inner_Full	22.18	/	/	25.18	/	/	<=33	Pass
		Inner_1RB_Left	22.08	/	/	25.08	/	/	<=33	Pass
		Inner_1RB_Right	22.03	/	/	25.03	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.13	/	/	24.13	/	/	<=33	Pass
		Edge_1RB_Right	21.10	/	/	24.10	/	/	<=33	Pass
		Outer_Full	21.25	/	/	24.25	/	/	<=33	Pass
		Inner_Full	22.10	/	/	25.10	/	/	<=33	Pass
		Inner_1RB_Left	21.98	/	/	24.98	/	/	<=33	Pass
		Inner_1RB_Right	21.94	/	/	24.94	/	/	<=33	Pass
	2610	Edge_1RB_Left	21.09	/	/	24.09	/	/	<=33	Pass
		Edge_1RB_Right	21.17	/	/	24.17	/	/	<=33	Pass
		Outer_Full	21.29	/	/	24.29	/	/	<=33	Pass
		Inner_Full	22.28	/	/	25.28	/	/	<=33	Pass
		Inner_1RB_Left	22.03	/	/	25.03	/	/	<=33	Pass
		Inner_1RB_Right	22.11	/	/	25.11	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Edge_1RB_Left	20.45	/	/	23.45	/	/	<=33	Pass

		Edge_1RB_Right	20.56	/	/	23.56	/	/	<=33	Pass
		Outer_Full	20.78	/	/	23.78	/	/	<=33	Pass
		Inner_Full	20.82	/	/	23.82	/	/	<=33	Pass
		Inner_1RB_Left	20.55	/	/	23.55	/	/	<=33	Pass
		Inner_1RB_Right	20.52	/	/	23.52	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.87	/	/	23.87	/	/	<=33	Pass
		Edge_1RB_Right	20.68	/	/	23.68	/	/	<=33	Pass
		Outer_Full	20.69	/	/	23.69	/	/	<=33	Pass
		Inner_Full	20.68	/	/	23.68	/	/	<=33	Pass
		Inner_1RB_Left	20.59	/	/	23.59	/	/	<=33	Pass
	2610	Inner_1RB_Right	20.59	/	/	23.59	/	/	<=33	Pass
		Edge_1RB_Left	20.76	/	/	23.76	/	/	<=33	Pass
		Edge_1RB_Right	20.85	/	/	23.85	/	/	<=33	Pass
		Outer_Full	20.83	/	/	23.83	/	/	<=33	Pass
		Inner_Full	20.80	/	/	23.80	/	/	<=33	Pass
DFT-s-OFDM 256 QAM		Inner_1RB_Left	20.47	/	/	23.47	/	/	<=33	Pass
		Inner_1RB_Right	20.78	/	/	23.78	/	/	<=33	Pass
	2580	Edge_1RB_Left	18.58	/	/	21.58	/	/	<=33	Pass
		Edge_1RB_Right	18.71	/	/	21.71	/	/	<=33	Pass
		Outer_Full	18.69	/	/	21.69	/	/	<=33	Pass
		Inner_Full	18.82	/	/	21.82	/	/	<=33	Pass
	2595	Inner_1RB_Left	18.65	/	/	21.65	/	/	<=33	Pass
		Inner_1RB_Right	18.79	/	/	21.79	/	/	<=33	Pass
		Edge_1RB_Left	18.81	/	/	21.81	/	/	<=33	Pass
		Edge_1RB_Right	18.47	/	/	21.47	/	/	<=33	Pass
		Outer_Full	18.74	/	/	21.74	/	/	<=33	Pass
CP-OFDM QPSK		Inner_Full	18.62	/	/	21.62	/	/	<=33	Pass
		Inner_1RB_Left	18.77	/	/	21.77	/	/	<=33	Pass
		Inner_1RB_Right	18.65	/	/	21.65	/	/	<=33	Pass
	2580	Edge_1RB_Left	18.55	/	/	21.55	/	/	<=33	Pass
		Edge_1RB_Right	18.73	/	/	21.73	/	/	<=33	Pass
		Outer_Full	18.86	/	/	21.86	/	/	<=33	Pass
		Inner_Full	18.79	/	/	21.79	/	/	<=33	Pass
	2595	Inner_1RB_Left	18.84	/	/	21.84	/	/	<=33	Pass
		Inner_1RB_Right	18.70	/	/	21.70	/	/	<=33	Pass
	2610	Edge_1RB_Left	19.92	/	/	22.92	/	/	<=33	Pass
		Edge_1RB_Right	20.16	/	/	23.16	/	/	<=33	Pass
		Outer_Full	20.26	/	/	23.26	/	/	<=33	Pass
CP-OFDM 16 QAM		Inner_Full	21.76	/	/	24.76	/	/	<=33	Pass
		Inner_1RB_Left	21.58	/	/	24.58	/	/	<=33	Pass
		Inner_1RB_Right	21.85	/	/	24.85	/	/	<=33	Pass
	2580	Edge_1RB_Left	20.21	/	/	23.21	/	/	<=33	Pass
		Edge_1RB_Right	20.02	/	/	23.02	/	/	<=33	Pass
	2595	Outer_Full	20.31	/	/	23.31	/	/	<=33	Pass
		Inner_Full	21.70	/	/	24.70	/	/	<=33	Pass
		Inner_1RB_Left	21.80	/	/	24.80	/	/	<=33	Pass
	2610	Inner_1RB_Right	21.67	/	/	24.67	/	/	<=33	Pass
		Edge_1RB_Left	20.25	/	/	23.25	/	/	<=33	Pass
		Edge_1RB_Right	20.22	/	/	23.22	/	/	<=33	Pass
		Outer_Full	20.31	/	/	23.31	/	/	<=33	Pass
		Inner_Full	21.84	/	/	24.84	/	/	<=33	Pass
	2580	Inner_1RB_Left	21.86	/	/	24.86	/	/	<=33	Pass
		Inner_1RB_Right	21.77	/	/	24.77	/	/	<=33	Pass
		Edge_1RB_Left	20.01	/	/	23.01	/	/	<=33	Pass
		Edge_1RB_Right	20.19	/	/	23.19	/	/	<=33	Pass
		Outer_Full	20.19	/	/	23.19	/	/	<=33	Pass
		Inner_Full	21.24	/	/	24.24	/	/	<=33	Pass
		Inner_1RB_Left	20.97	/	/	23.97	/	/	<=33	Pass
		Inner_1RB_Right	21.15	/	/	24.15	/	/	<=33	Pass

	2595	Edge_1RB_Left	20.33	/	/	23.33	/	/	<=33	Pass
		Edge_1RB_Right	20.00	/	/	23.00	/	/	<=33	Pass
		Outer_Full	20.16	/	/	23.16	/	/	<=33	Pass
		Inner_Full	21.20	/	/	24.20	/	/	<=33	Pass
		Inner_1RB_Left	21.16	/	/	24.16	/	/	<=33	Pass
		Inner_1RB_Right	21.09	/	/	24.09	/	/	<=33	Pass
	2610	Edge_1RB_Left	20.22	/	/	23.22	/	/	<=33	Pass
		Edge_1RB_Right	20.30	/	/	23.30	/	/	<=33	Pass
		Outer_Full	20.21	/	/	23.21	/	/	<=33	Pass
		Inner_Full	21.31	/	/	24.31	/	/	<=33	Pass
		Inner_1RB_Left	21.27	/	/	24.27	/	/	<=33	Pass
		Inner_1RB_Right	21.20	/	/	24.20	/	/	<=33	Pass
CP-OFDM 64 QAM	2580	Edge_1RB_Left	19.36	/	/	22.36	/	/	<=33	Pass
		Edge_1RB_Right	19.56	/	/	22.56	/	/	<=33	Pass
		Outer_Full	19.69	/	/	22.69	/	/	<=33	Pass
		Inner_Full	19.66	/	/	22.66	/	/	<=33	Pass
		Inner_1RB_Left	19.53	/	/	22.53	/	/	<=33	Pass
		Inner_1RB_Right	19.65	/	/	22.65	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.52	/	/	22.52	/	/	<=33	Pass
		Edge_1RB_Right	19.73	/	/	22.73	/	/	<=33	Pass
		Outer_Full	19.67	/	/	22.67	/	/	<=33	Pass
		Inner_Full	19.66	/	/	22.66	/	/	<=33	Pass
		Inner_1RB_Left	19.47	/	/	22.47	/	/	<=33	Pass
		Inner_1RB_Right	19.56	/	/	22.56	/	/	<=33	Pass
	2610	Edge_1RB_Left	19.64	/	/	22.64	/	/	<=33	Pass
		Edge_1RB_Right	19.81	/	/	22.81	/	/	<=33	Pass
		Outer_Full	19.80	/	/	22.80	/	/	<=33	Pass
		Inner_Full	19.80	/	/	22.80	/	/	<=33	Pass
		Inner_1RB_Left	19.68	/	/	22.68	/	/	<=33	Pass
		Inner_1RB_Right	19.78	/	/	22.78	/	/	<=33	Pass
CP-OFDM 256 QAM	2580	Edge_1RB_Left	16.46	/	/	19.46	/	/	<=33	Pass
		Edge_1RB_Right	16.92	/	/	19.92	/	/	<=33	Pass
		Outer_Full	16.75	/	/	19.75	/	/	<=33	Pass
		Inner_Full	16.82	/	/	19.82	/	/	<=33	Pass
		Inner_1RB_Left	16.60	/	/	19.60	/	/	<=33	Pass
		Inner_1RB_Right	16.87	/	/	19.87	/	/	<=33	Pass
	2595	Edge_1RB_Left	16.60	/	/	19.60	/	/	<=33	Pass
		Edge_1RB_Right	16.62	/	/	19.62	/	/	<=33	Pass
		Outer_Full	16.83	/	/	19.83	/	/	<=33	Pass
		Inner_Full	16.63	/	/	19.63	/	/	<=33	Pass
		Inner_1RB_Left	16.77	/	/	19.77	/	/	<=33	Pass
		Inner_1RB_Right	16.60	/	/	19.60	/	/	<=33	Pass
	2610	Edge_1RB_Left	16.80	/	/	19.80	/	/	<=33	Pass
		Edge_1RB_Right	16.91	/	/	19.91	/	/	<=33	Pass
		Outer_Full	16.82	/	/	19.82	/	/	<=33	Pass
		Inner_Full	16.91	/	/	19.91	/	/	<=33	Pass
		Inner_1RB_Left	16.97	/	/	19.97	/	/	<=33	Pass
		Inner_1RB_Right	16.96	/	/	19.96	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30k_SISO_30MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	2585	Edge_1RB_Left	22.59	/	/	25.59	/	/	<=33	Pass
		Edge_1RB_Right	22.61	/	/	25.61	/	/	<=33	Pass

		Outer_Full	22.69	/	/	25.69	/	/	<=33	Pass
		Inner_Full	23.27	/	/	26.27	/	/	<=33	Pass
		Inner_1RB_Left	23.14	/	/	26.14	/	/	<=33	Pass
		Inner_1RB_Right	23.25	/	/	26.25	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.67	/	/	25.67	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	25.68	/	/	<=33	Pass
		Outer_Full	22.78	/	/	25.78	/	/	<=33	Pass
		Inner_Full	23.36	/	/	26.36	/	/	<=33	Pass
		Inner_1RB_Left	23.37	/	/	26.37	/	/	<=33	Pass
		Inner_1RB_Right	23.27	/	/	26.27	/	/	<=33	Pass
	2605	Edge_1RB_Left	22.89	/	/	25.89	/	/	<=33	Pass
		Edge_1RB_Right	22.76	/	/	25.76	/	/	<=33	Pass
		Outer_Full	22.73	/	/	25.73	/	/	<=33	Pass
		Inner_Full	23.38	/	/	26.38	/	/	<=33	Pass
		Inner_1RB_Left	23.48	/	/	26.48	/	/	<=33	Pass
		Inner_1RB_Right	23.34	/	/	26.34	/	/	<=33	Pass
DFT-s-OFDM QPSK	2585	Edge_1RB_Left	22.08	/	/	25.08	/	/	<=33	Pass
		Edge_1RB_Right	22.16	/	/	25.16	/	/	<=33	Pass
		Outer_Full	22.18	/	/	25.18	/	/	<=33	Pass
		Inner_Full	23.23	/	/	26.23	/	/	<=33	Pass
		Inner_1RB_Left	23.21	/	/	26.21	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	26.22	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.30	/	/	25.30	/	/	<=33	Pass
		Edge_1RB_Right	22.17	/	/	25.17	/	/	<=33	Pass
		Outer_Full	22.23	/	/	25.23	/	/	<=33	Pass
		Inner_Full	23.26	/	/	26.26	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	26.36	/	/	<=33	Pass
		Inner_1RB_Right	23.33	/	/	26.33	/	/	<=33	Pass
	2605	Edge_1RB_Left	22.27	/	/	25.27	/	/	<=33	Pass
		Edge_1RB_Right	22.18	/	/	25.18	/	/	<=33	Pass
		Outer_Full	22.21	/	/	25.21	/	/	<=33	Pass
		Inner_Full	23.30	/	/	26.30	/	/	<=33	Pass
		Inner_1RB_Left	23.36	/	/	26.36	/	/	<=33	Pass
		Inner_1RB_Right	23.24	/	/	26.24	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2585	Edge_1RB_Left	21.20	/	/	24.20	/	/	<=33	Pass
		Edge_1RB_Right	21.25	/	/	24.25	/	/	<=33	Pass
		Outer_Full	21.20	/	/	24.20	/	/	<=33	Pass
		Inner_Full	22.14	/	/	25.14	/	/	<=33	Pass
		Inner_1RB_Left	21.91	/	/	24.91	/	/	<=33	Pass
		Inner_1RB_Right	22.09	/	/	25.09	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.27	/	/	24.27	/	/	<=33	Pass
		Edge_1RB_Right	21.22	/	/	24.22	/	/	<=33	Pass
		Outer_Full	21.25	/	/	24.25	/	/	<=33	Pass
		Inner_Full	22.17	/	/	25.17	/	/	<=33	Pass
		Inner_1RB_Left	22.07	/	/	25.07	/	/	<=33	Pass
		Inner_1RB_Right	22.14	/	/	25.14	/	/	<=33	Pass
	2605	Edge_1RB_Left	21.24	/	/	24.24	/	/	<=33	Pass
		Edge_1RB_Right	21.33	/	/	24.33	/	/	<=33	Pass
		Outer_Full	21.30	/	/	24.30	/	/	<=33	Pass
		Inner_Full	22.29	/	/	25.29	/	/	<=33	Pass
		Inner_1RB_Left	22.29	/	/	25.29	/	/	<=33	Pass
		Inner_1RB_Right	22.25	/	/	25.25	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2585	Edge_1RB_Left	20.65	/	/	23.65	/	/	<=33	Pass
		Edge_1RB_Right	20.57	/	/	23.57	/	/	<=33	Pass
		Outer_Full	20.76	/	/	23.76	/	/	<=33	Pass
		Inner_Full	20.76	/	/	23.76	/	/	<=33	Pass
		Inner_1RB_Left	20.69	/	/	23.69	/	/	<=33	Pass
		Inner_1RB_Right	20.56	/	/	23.56	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.63	/	/	23.63	/	/	<=33	Pass

		Edge 1RB Right	20.66	/	/	23.66	/	/	<=33	Pass
		Outer Full	20.78	/	/	23.78	/	/	<=33	Pass
		Inner Full	20.84	/	/	23.84	/	/	<=33	Pass
		Inner 1RB Left	21.14	/	/	24.14	/	/	<=33	Pass
		Inner 1RB Right	20.71	/	/	23.71	/	/	<=33	Pass
	2605	Edge 1RB Left	20.91	/	/	23.91	/	/	<=33	Pass
		Edge 1RB Right	20.74	/	/	23.74	/	/	<=33	Pass
		Outer Full	20.85	/	/	23.85	/	/	<=33	Pass
		Inner Full	20.71	/	/	23.71	/	/	<=33	Pass
		Inner 1RB Left	20.87	/	/	23.87	/	/	<=33	Pass
Inner 1RB Right	20.61	/	/	23.61	/	/	<=33	Pass		
DFT-s-OFDM 256 QAM	2585	Edge 1RB Left	18.63	/	/	21.63	/	/	<=33	Pass
		Edge 1RB Right	18.58	/	/	21.58	/	/	<=33	Pass
		Outer Full	18.69	/	/	21.69	/	/	<=33	Pass
		Inner Full	18.68	/	/	21.68	/	/	<=33	Pass
		Inner 1RB Left	18.65	/	/	21.65	/	/	<=33	Pass
		Inner 1RB Right	18.67	/	/	21.67	/	/	<=33	Pass
	2595	Edge 1RB Left	18.72	/	/	21.72	/	/	<=33	Pass
		Edge 1RB Right	18.65	/	/	21.65	/	/	<=33	Pass
		Outer Full	18.72	/	/	21.72	/	/	<=33	Pass
		Inner Full	18.71	/	/	21.71	/	/	<=33	Pass
		Inner 1RB Left	18.76	/	/	21.76	/	/	<=33	Pass
		Inner 1RB Right	18.66	/	/	21.66	/	/	<=33	Pass
	2605	Edge 1RB Left	18.76	/	/	21.76	/	/	<=33	Pass
		Edge 1RB Right	18.84	/	/	21.84	/	/	<=33	Pass
		Outer Full	18.87	/	/	21.87	/	/	<=33	Pass
		Inner Full	18.77	/	/	21.77	/	/	<=33	Pass
		Inner 1RB Left	18.85	/	/	21.85	/	/	<=33	Pass
		Inner 1RB Right	18.80	/	/	21.80	/	/	<=33	Pass
CP-OFDM QPSK	2585	Edge 1RB Left	20.10	/	/	23.10	/	/	<=33	Pass
		Edge 1RB Right	20.22	/	/	23.22	/	/	<=33	Pass
		Outer Full	20.08	/	/	23.08	/	/	<=33	Pass
		Inner Full	21.66	/	/	24.66	/	/	<=33	Pass
		Inner 1RB Left	21.79	/	/	24.79	/	/	<=33	Pass
		Inner 1RB Right	21.78	/	/	24.78	/	/	<=33	Pass
	2595	Edge 1RB Left	20.24	/	/	23.24	/	/	<=33	Pass
		Edge 1RB Right	20.19	/	/	23.19	/	/	<=33	Pass
		Outer Full	20.15	/	/	23.15	/	/	<=33	Pass
		Inner Full	21.74	/	/	24.74	/	/	<=33	Pass
		Inner 1RB Left	21.97	/	/	24.97	/	/	<=33	Pass
		Inner 1RB Right	21.78	/	/	24.78	/	/	<=33	Pass
	2605	Edge 1RB Left	20.31	/	/	23.31	/	/	<=33	Pass
		Edge 1RB Right	20.24	/	/	23.24	/	/	<=33	Pass
		Outer Full	20.22	/	/	23.22	/	/	<=33	Pass
		Inner Full	21.73	/	/	24.73	/	/	<=33	Pass
		Inner 1RB Left	21.94	/	/	24.94	/	/	<=33	Pass
		Inner 1RB Right	21.79	/	/	24.79	/	/	<=33	Pass
CP-OFDM 16 QAM	2585	Edge 1RB Left	20.17	/	/	23.17	/	/	<=33	Pass
		Edge 1RB Right	20.20	/	/	23.20	/	/	<=33	Pass
		Outer Full	20.19	/	/	23.19	/	/	<=33	Pass
		Inner Full	21.13	/	/	24.13	/	/	<=33	Pass
		Inner 1RB Left	21.21	/	/	24.21	/	/	<=33	Pass
		Inner 1RB Right	21.26	/	/	24.26	/	/	<=33	Pass
	2595	Edge 1RB Left	20.21	/	/	23.21	/	/	<=33	Pass
		Edge 1RB Right	20.17	/	/	23.17	/	/	<=33	Pass
		Outer Full	20.20	/	/	23.20	/	/	<=33	Pass
		Inner Full	21.25	/	/	24.25	/	/	<=33	Pass
Inner 1RB Left	21.50	/	/	24.50	/	/	<=33	Pass		
Inner 1RB Right	21.34	/	/	24.34	/	/	<=33	Pass		

	2605	Edge_1RB_Left	20.19	/	/	23.19	/	/	<=33	Pass
		Edge_1RB_Right	20.28	/	/	23.28	/	/	<=33	Pass
		Outer_Full	20.27	/	/	23.27	/	/	<=33	Pass
		Inner_Full	21.20	/	/	24.20	/	/	<=33	Pass
		Inner_1RB_Left	21.39	/	/	24.39	/	/	<=33	Pass
		Inner_1RB_Right	21.42	/	/	24.42	/	/	<=33	Pass
CP-OFDM 64 QAM	2585	Edge_1RB_Left	19.62	/	/	22.62	/	/	<=33	Pass
		Edge_1RB_Right	19.74	/	/	22.74	/	/	<=33	Pass
		Outer_Full	19.64	/	/	22.64	/	/	<=33	Pass
		Inner_Full	19.76	/	/	22.76	/	/	<=33	Pass
		Inner_1RB_Left	19.82	/	/	22.82	/	/	<=33	Pass
		Inner_1RB_Right	19.68	/	/	22.68	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.67	/	/	22.67	/	/	<=33	Pass
		Edge_1RB_Right	19.81	/	/	22.81	/	/	<=33	Pass
		Outer_Full	19.76	/	/	22.76	/	/	<=33	Pass
		Inner_Full	19.69	/	/	22.69	/	/	<=33	Pass
		Inner_1RB_Left	19.83	/	/	22.83	/	/	<=33	Pass
		Inner_1RB_Right	19.74	/	/	22.74	/	/	<=33	Pass
	2605	Edge_1RB_Left	19.64	/	/	22.64	/	/	<=33	Pass
		Edge_1RB_Right	19.78	/	/	22.78	/	/	<=33	Pass
		Outer_Full	19.71	/	/	22.71	/	/	<=33	Pass
		Inner_Full	19.70	/	/	22.70	/	/	<=33	Pass
		Inner_1RB_Left	19.95	/	/	22.95	/	/	<=33	Pass
		Inner_1RB_Right	19.57	/	/	22.57	/	/	<=33	Pass
CP-OFDM 256 QAM	2585	Edge_1RB_Left	16.57	/	/	19.57	/	/	<=33	Pass
		Edge_1RB_Right	16.82	/	/	19.82	/	/	<=33	Pass
		Outer_Full	16.71	/	/	19.71	/	/	<=33	Pass
		Inner_Full	16.81	/	/	19.81	/	/	<=33	Pass
		Inner_1RB_Left	16.78	/	/	19.78	/	/	<=33	Pass
		Inner_1RB_Right	16.84	/	/	19.84	/	/	<=33	Pass
	2595	Edge_1RB_Left	16.93	/	/	19.93	/	/	<=33	Pass
		Edge_1RB_Right	16.67	/	/	19.67	/	/	<=33	Pass
		Outer_Full	16.74	/	/	19.74	/	/	<=33	Pass
		Inner_Full	16.84	/	/	19.84	/	/	<=33	Pass
		Inner_1RB_Left	16.96	/	/	19.96	/	/	<=33	Pass
		Inner_1RB_Right	16.78	/	/	19.78	/	/	<=33	Pass
	2605	Edge_1RB_Left	17.12	/	/	20.12	/	/	<=33	Pass
		Edge_1RB_Right	17.01	/	/	20.01	/	/	<=33	Pass
		Outer_Full	16.82	/	/	19.82	/	/	<=33	Pass
		Inner_Full	16.81	/	/	19.81	/	/	<=33	Pass
		Inner_1RB_Left	16.98	/	/	19.98	/	/	<=33	Pass
		Inner_1RB_Right	16.86	/	/	19.86	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 30k_SISO_40MHz_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Edge 1RB Left	22.53	/	/	25.53	/	/	<=33	Pass
		Edge 1RB Right	22.67	/	/	25.67	/	/	<=33	Pass
		Outer_Full	22.87	/	/	25.87	/	/	<=33	Pass
		Inner_Full	23.46	/	/	26.46	/	/	<=33	Pass
		Inner 1RB Left	23.02	/	/	26.02	/	/	<=33	Pass
		Inner 1RB Right	23.18	/	/	26.18	/	/	<=33	Pass
	2595	Edge 1RB Left	22.66	/	/	25.66	/	/	<=33	Pass
		Edge 1RB Right	22.60	/	/	25.60	/	/	<=33	Pass

		Outer_Full	22.78	/	/	25.78	/	/	<=33	Pass
		Inner_Full	23.38	/	/	26.38	/	/	<=33	Pass
		Inner_1RB_Left	23.15	/	/	26.15	/	/	<=33	Pass
		Inner_1RB_Right	23.06	/	/	26.06	/	/	<=33	Pass
	2600	Edge_1RB_Left	22.80	/	/	25.80	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	25.68	/	/	<=33	Pass
		Outer_Full	22.78	/	/	25.78	/	/	<=33	Pass
		Inner_Full	23.36	/	/	26.36	/	/	<=33	Pass
		Inner_1RB_Left	23.20	/	/	26.20	/	/	<=33	Pass
		Inner_1RB_Right	23.17	/	/	26.17	/	/	<=33	Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	22.11	/	/	25.11	/	/	<=33	Pass
		Edge_1RB_Right	22.20	/	/	25.20	/	/	<=33	Pass
		Outer_Full	22.28	/	/	25.28	/	/	<=33	Pass
		Inner_Full	23.41	/	/	26.41	/	/	<=33	Pass
		Inner_1RB_Left	23.04	/	/	26.04	/	/	<=33	Pass
		Inner_1RB_Right	23.17	/	/	26.17	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.20	/	/	25.20	/	/	<=33	Pass
		Edge_1RB_Right	22.04	/	/	25.04	/	/	<=33	Pass
		Outer_Full	22.29	/	/	25.29	/	/	<=33	Pass
		Inner_Full	23.32	/	/	26.32	/	/	<=33	Pass
		Inner_1RB_Left	23.15	/	/	26.15	/	/	<=33	Pass
		Inner_1RB_Right	23.08	/	/	26.08	/	/	<=33	Pass
	2600	Edge_1RB_Left	22.41	/	/	25.41	/	/	<=33	Pass
		Edge_1RB_Right	22.26	/	/	25.26	/	/	<=33	Pass
		Outer_Full	22.29	/	/	25.29	/	/	<=33	Pass
		Inner_Full	23.25	/	/	26.25	/	/	<=33	Pass
		Inner_1RB_Left	23.34	/	/	26.34	/	/	<=33	Pass
		Inner_1RB_Right	23.14	/	/	26.14	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2590	Edge_1RB_Left	21.02	/	/	24.02	/	/	<=33	Pass
		Edge_1RB_Right	21.27	/	/	24.27	/	/	<=33	Pass
		Outer_Full	21.35	/	/	24.35	/	/	<=33	Pass
		Inner_Full	22.39	/	/	25.39	/	/	<=33	Pass
		Inner_1RB_Left	22.03	/	/	25.03	/	/	<=33	Pass
		Inner_1RB_Right	22.05	/	/	25.05	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.14	/	/	24.14	/	/	<=33	Pass
		Edge_1RB_Right	20.96	/	/	23.96	/	/	<=33	Pass
		Outer_Full	21.16	/	/	24.16	/	/	<=33	Pass
		Inner_Full	22.19	/	/	25.19	/	/	<=33	Pass
		Inner_1RB_Left	22.10	/	/	25.10	/	/	<=33	Pass
		Inner_1RB_Right	22.17	/	/	25.17	/	/	<=33	Pass
	2600	Edge_1RB_Left	21.32	/	/	24.32	/	/	<=33	Pass
		Edge_1RB_Right	21.20	/	/	24.20	/	/	<=33	Pass
		Outer_Full	21.24	/	/	24.24	/	/	<=33	Pass
		Inner_Full	22.31	/	/	25.31	/	/	<=33	Pass
		Inner_1RB_Left	22.30	/	/	25.30	/	/	<=33	Pass
		Inner_1RB_Right	22.19	/	/	25.19	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2590	Edge_1RB_Left	20.67	/	/	23.67	/	/	<=33	Pass
		Edge_1RB_Right	20.78	/	/	23.78	/	/	<=33	Pass
		Outer_Full	20.77	/	/	23.77	/	/	<=33	Pass
		Inner_Full	20.86	/	/	23.86	/	/	<=33	Pass
		Inner_1RB_Left	20.40	/	/	23.40	/	/	<=33	Pass
		Inner_1RB_Right	20.69	/	/	23.69	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.48	/	/	23.48	/	/	<=33	Pass
		Edge_1RB_Right	20.63	/	/	23.63	/	/	<=33	Pass
		Outer_Full	20.67	/	/	23.67	/	/	<=33	Pass
		Inner_Full	20.76	/	/	23.76	/	/	<=33	Pass
		Inner_1RB_Left	20.62	/	/	23.62	/	/	<=33	Pass
		Inner_1RB_Right	20.64	/	/	23.64	/	/	<=33	Pass
	2600	Edge_1RB_Left	20.87	/	/	23.87	/	/	<=33	Pass

		Edge_1RB_Right	20.74	/	/	23.74	/	/	<=33	Pass
		Outer_Full	20.75	/	/	23.75	/	/	<=33	Pass
		Inner_Full	20.74	/	/	23.74	/	/	<=33	Pass
		Inner_1RB_Left	20.77	/	/	23.77	/	/	<=33	Pass
		Inner_1RB_Right	20.64	/	/	23.64	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2590	Edge_1RB_Left	18.59	/	/	21.59	/	/	<=33	Pass
		Edge_1RB_Right	18.67	/	/	21.67	/	/	<=33	Pass
		Outer_Full	18.86	/	/	21.86	/	/	<=33	Pass
		Inner_Full	18.88	/	/	21.88	/	/	<=33	Pass
		Inner_1RB_Left	18.63	/	/	21.63	/	/	<=33	Pass
		Inner_1RB_Right	18.65	/	/	21.65	/	/	<=33	Pass
	2595	Edge_1RB_Left	18.72	/	/	21.72	/	/	<=33	Pass
		Edge_1RB_Right	18.57	/	/	21.57	/	/	<=33	Pass
		Outer_Full	18.79	/	/	21.79	/	/	<=33	Pass
		Inner_Full	18.67	/	/	21.67	/	/	<=33	Pass
		Inner_1RB_Left	18.70	/	/	21.70	/	/	<=33	Pass
		Inner_1RB_Right	18.76	/	/	21.76	/	/	<=33	Pass
	2600	Edge_1RB_Left	18.74	/	/	21.74	/	/	<=33	Pass
		Edge_1RB_Right	18.90	/	/	21.90	/	/	<=33	Pass
		Outer_Full	18.81	/	/	21.81	/	/	<=33	Pass
		Inner_Full	18.87	/	/	21.87	/	/	<=33	Pass
		Inner_1RB_Left	18.63	/	/	21.63	/	/	<=33	Pass
		Inner_1RB_Right	18.83	/	/	21.83	/	/	<=33	Pass
CP-OFDM QPSK	2590	Edge_1RB_Left	20.08	/	/	23.08	/	/	<=33	Pass
		Edge_1RB_Right	20.07	/	/	23.07	/	/	<=33	Pass
		Outer_Full	20.43	/	/	23.43	/	/	<=33	Pass
		Inner_Full	21.92	/	/	24.92	/	/	<=33	Pass
		Inner_1RB_Left	21.69	/	/	24.69	/	/	<=33	Pass
		Inner_1RB_Right	21.79	/	/	24.79	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.16	/	/	23.16	/	/	<=33	Pass
		Edge_1RB_Right	20.06	/	/	23.06	/	/	<=33	Pass
		Outer_Full	20.29	/	/	23.29	/	/	<=33	Pass
		Inner_Full	21.73	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Left	21.77	/	/	24.77	/	/	<=33	Pass
		Inner_1RB_Right	21.68	/	/	24.68	/	/	<=33	Pass
	2600	Edge_1RB_Left	20.36	/	/	23.36	/	/	<=33	Pass
		Edge_1RB_Right	20.20	/	/	23.20	/	/	<=33	Pass
		Outer_Full	20.34	/	/	23.34	/	/	<=33	Pass
		Inner_Full	21.78	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Left	21.96	/	/	24.96	/	/	<=33	Pass
		Inner_1RB_Right	21.76	/	/	24.76	/	/	<=33	Pass
CP-OFDM 16 QAM	2590	Edge_1RB_Left	20.18	/	/	23.18	/	/	<=33	Pass
		Edge_1RB_Right	20.23	/	/	23.23	/	/	<=33	Pass
		Outer_Full	20.31	/	/	23.31	/	/	<=33	Pass
		Inner_Full	21.34	/	/	24.34	/	/	<=33	Pass
		Inner_1RB_Left	21.01	/	/	24.01	/	/	<=33	Pass
		Inner_1RB_Right	21.20	/	/	24.20	/	/	<=33	Pass
	2595	Edge_1RB_Left	20.22	/	/	23.22	/	/	<=33	Pass
		Edge_1RB_Right	20.12	/	/	23.12	/	/	<=33	Pass
		Outer_Full	20.17	/	/	23.17	/	/	<=33	Pass
		Inner_Full	21.23	/	/	24.23	/	/	<=33	Pass
		Inner_1RB_Left	21.15	/	/	24.15	/	/	<=33	Pass
		Inner_1RB_Right	21.35	/	/	24.35	/	/	<=33	Pass
	2600	Edge_1RB_Left	20.26	/	/	23.26	/	/	<=33	Pass
		Edge_1RB_Right	20.29	/	/	23.29	/	/	<=33	Pass
		Outer_Full	20.30	/	/	23.30	/	/	<=33	Pass
		Inner_Full	21.29	/	/	24.29	/	/	<=33	Pass
		Inner_1RB_Left	21.32	/	/	24.32	/	/	<=33	Pass
		Inner_1RB_Right	21.17	/	/	24.17	/	/	<=33	Pass

CP-OFDM 64 QAM	2590	Edge_1RB_Left	19.59	/	/	22.59	/	/	<=33	Pass
		Edge_1RB_Right	19.61	/	/	22.61	/	/	<=33	Pass
		Outer_Full	19.86	/	/	22.86	/	/	<=33	Pass
		Inner_Full	19.94	/	/	22.94	/	/	<=33	Pass
		Inner_1RB_Left	19.72	/	/	22.72	/	/	<=33	Pass
		Inner_1RB_Right	19.49	/	/	22.49	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.70	/	/	22.70	/	/	<=33	Pass
		Edge_1RB_Right	19.82	/	/	22.82	/	/	<=33	Pass
		Outer_Full	19.77	/	/	22.77	/	/	<=33	Pass
		Inner_Full	19.72	/	/	22.72	/	/	<=33	Pass
		Inner_1RB_Left	19.75	/	/	22.75	/	/	<=33	Pass
		Inner_1RB_Right	19.57	/	/	22.57	/	/	<=33	Pass
	2600	Edge_1RB_Left	19.76	/	/	22.76	/	/	<=33	Pass
		Edge_1RB_Right	19.76	/	/	22.76	/	/	<=33	Pass
		Outer_Full	19.70	/	/	22.70	/	/	<=33	Pass
		Inner_Full	19.77	/	/	22.77	/	/	<=33	Pass
		Inner_1RB_Left	19.94	/	/	22.94	/	/	<=33	Pass
		Inner_1RB_Right	19.75	/	/	22.75	/	/	<=33	Pass
CP-OFDM 256 QAM	2590	Edge_1RB_Left	16.70	/	/	19.70	/	/	<=33	Pass
		Edge_1RB_Right	16.85	/	/	19.85	/	/	<=33	Pass
		Outer_Full	16.85	/	/	19.85	/	/	<=33	Pass
		Inner_Full	16.94	/	/	19.94	/	/	<=33	Pass
		Inner_1RB_Left	16.64	/	/	19.64	/	/	<=33	Pass
		Inner_1RB_Right	16.66	/	/	19.66	/	/	<=33	Pass
	2595	Edge_1RB_Left	16.77	/	/	19.77	/	/	<=33	Pass
		Edge_1RB_Right	16.77	/	/	19.77	/	/	<=33	Pass
		Outer_Full	16.76	/	/	19.76	/	/	<=33	Pass
		Inner_Full	16.81	/	/	19.81	/	/	<=33	Pass
		Inner_1RB_Left	16.80	/	/	19.80	/	/	<=33	Pass
		Inner_1RB_Right	16.52	/	/	19.52	/	/	<=33	Pass
	2600	Edge_1RB_Left	16.83	/	/	19.83	/	/	<=33	Pass
		Edge_1RB_Right	16.70	/	/	19.70	/	/	<=33	Pass
		Outer_Full	16.86	/	/	19.86	/	/	<=33	Pass
		Inner_Full	16.90	/	/	19.90	/	/	<=33	Pass
		Inner_1RB_Left	16.93	/	/	19.93	/	/	<=33	Pass
		Inner_1RB_Right	16.86	/	/	19.86	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 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	1.50	0.0006	>=-2.5 & <=2.5	Pass
				HV	-20.60	-0.0079	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			40	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0034	>=-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	2595	Outer_Full	8.77	10.36	/	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	8.73	10.34	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	8.71	10.23	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	8.70	10.34	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	8.74	10.36	/	Pass
CP-OFDM QPSK	2595	Outer_Full	8.70	10.39	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	8.73	10.35	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	8.74	10.06	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	8.69	10.36	/	Pass

3.1.2 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	2595	Outer_Full	18.15	20.05	/	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	18.11	19.89	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	18.17	19.85	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	18.11	19.95	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	18.16	20.03	/	Pass
CP-OFDM QPSK	2595	Outer_Full	18.39	20.62	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	18.45	20.43	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	18.43	20.25	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	18.43	20.44	/	Pass

3.1.3 30k_SISO_30MHz_NTNV

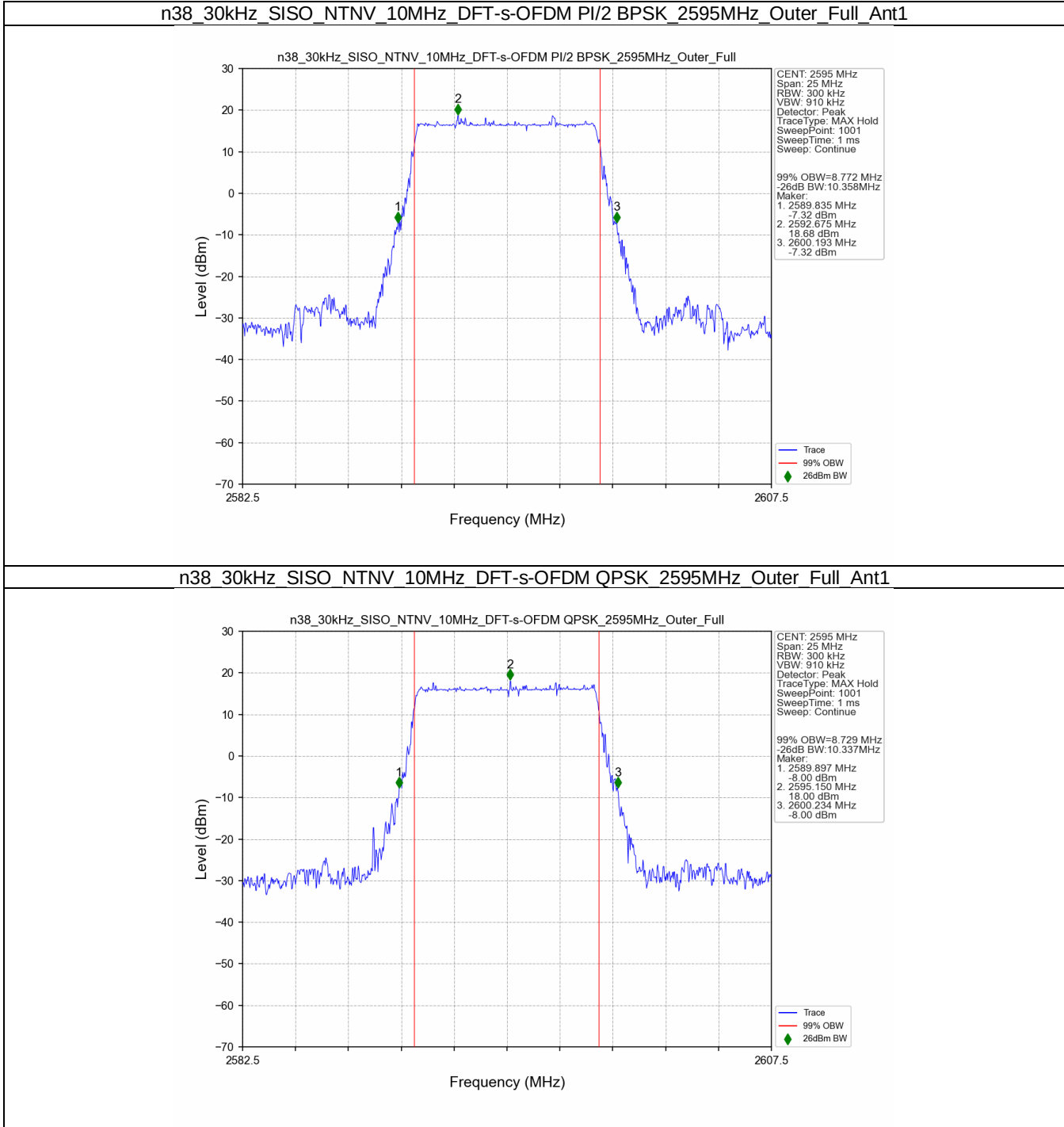
5G NR n38 SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	27.17	29.56	/	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	27.20	29.75	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	27.23	29.54	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	27.09	29.64	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	27.11	29.33	/	Pass
CP-OFDM QPSK	2595	Outer_Full	28.13	30.64	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	28.22	30.39	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	28.15	30.41	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	28.09	30.50	/	Pass

3.1.4 30k_SISO_40MHz_NTNV

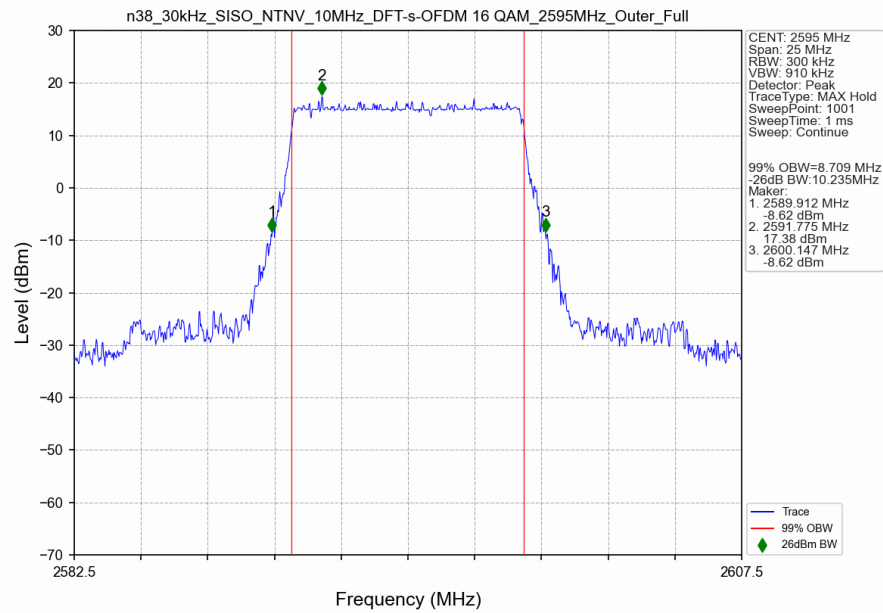
5G NR n38 SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	36.20	38.75	/	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	36.15	38.91	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	36.21	39.08	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	36.16	38.81	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	36.10	38.98	/	Pass
CP-OFDM QPSK	2595	Outer_Full	38.32	41.16	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	38.26	40.98	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	38.26	41.08	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	38.28	41.53	/	Pass

3.2 Test Graph

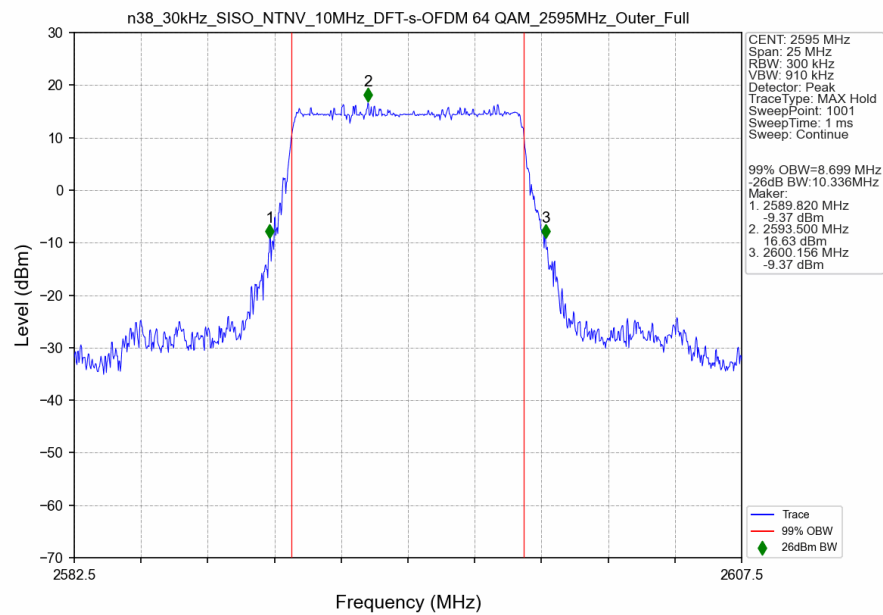
3.2.1 30k_SISO_10MHz_NTNV



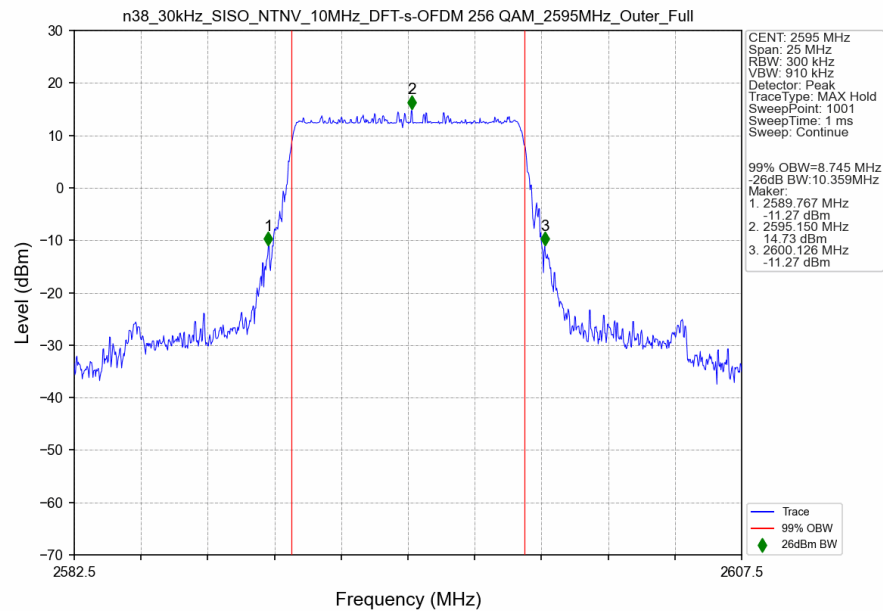
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2595MHz_Outer_Full_Ant1



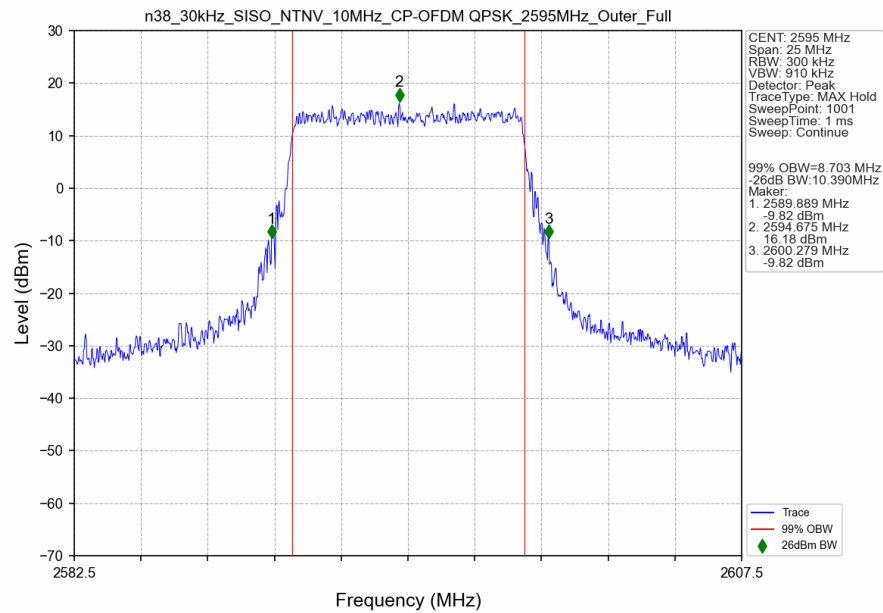
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2595MHz_Outer_Full_Ant1



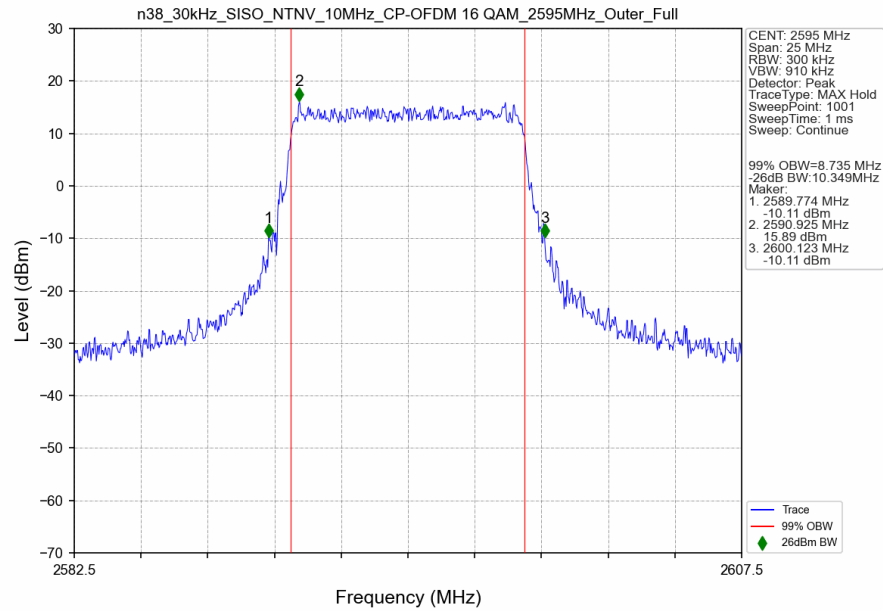
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2595MHz_Outer_Full_Ant1



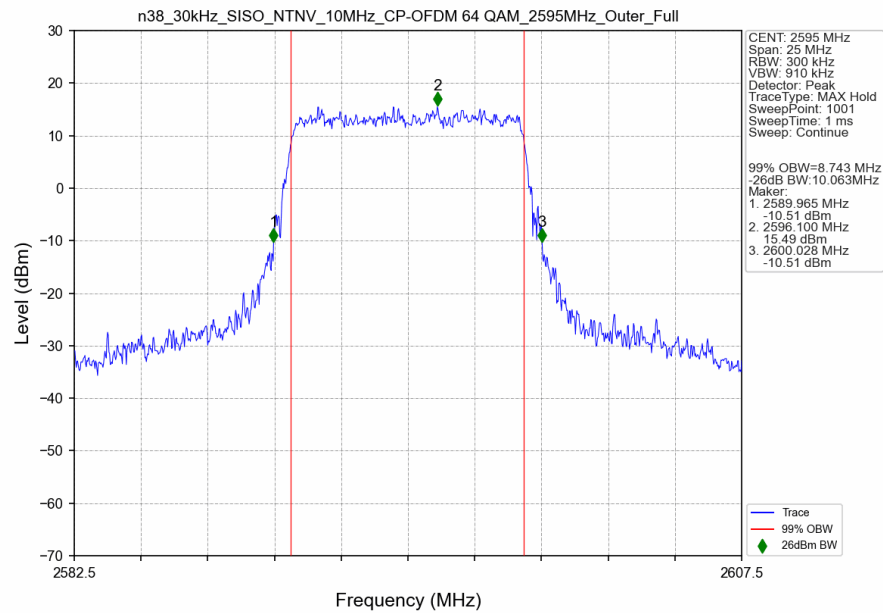
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2595MHz_Outer_Full_Ant1



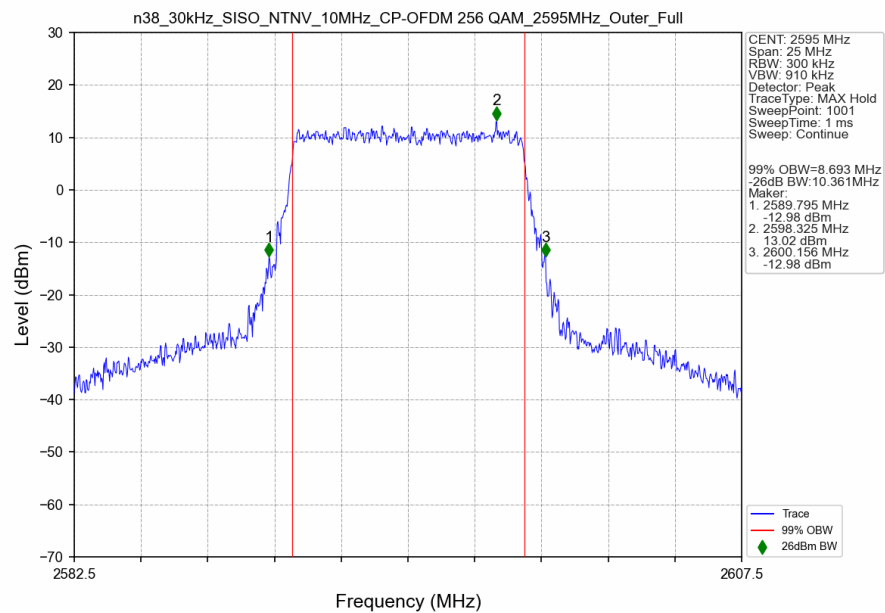
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2595MHz_Outer_Full Ant1



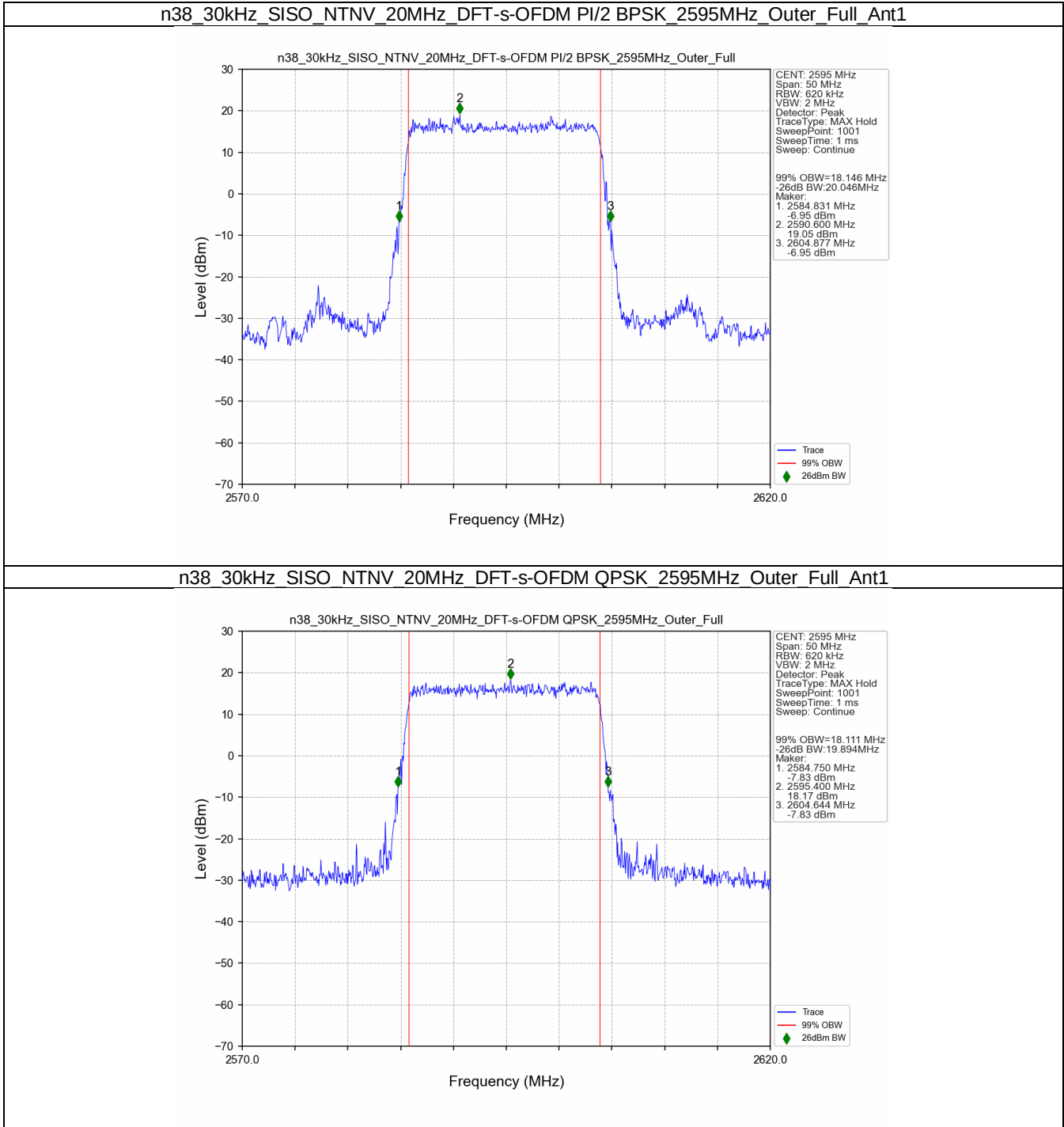
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2595MHz_Outer_Full Ant1



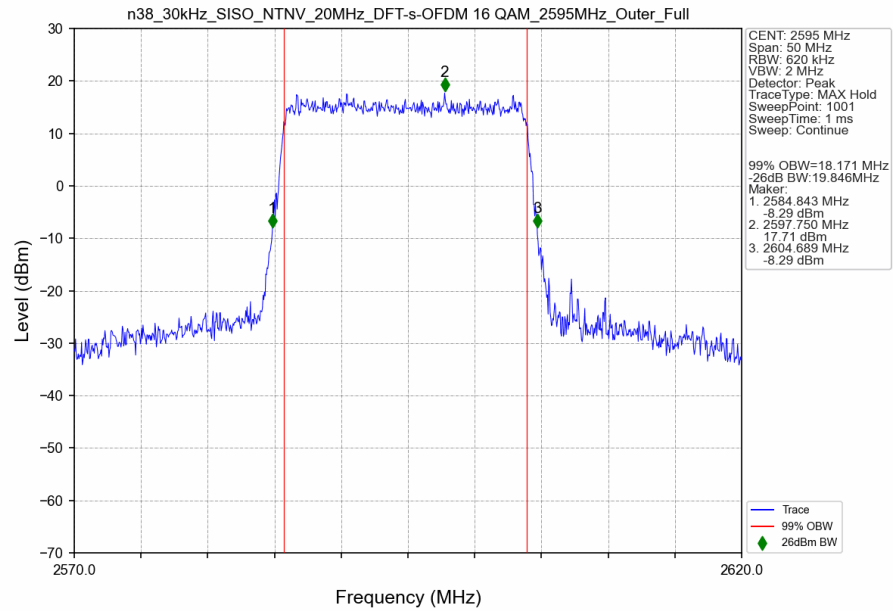
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2595MHz_Outer_Full_Ant1



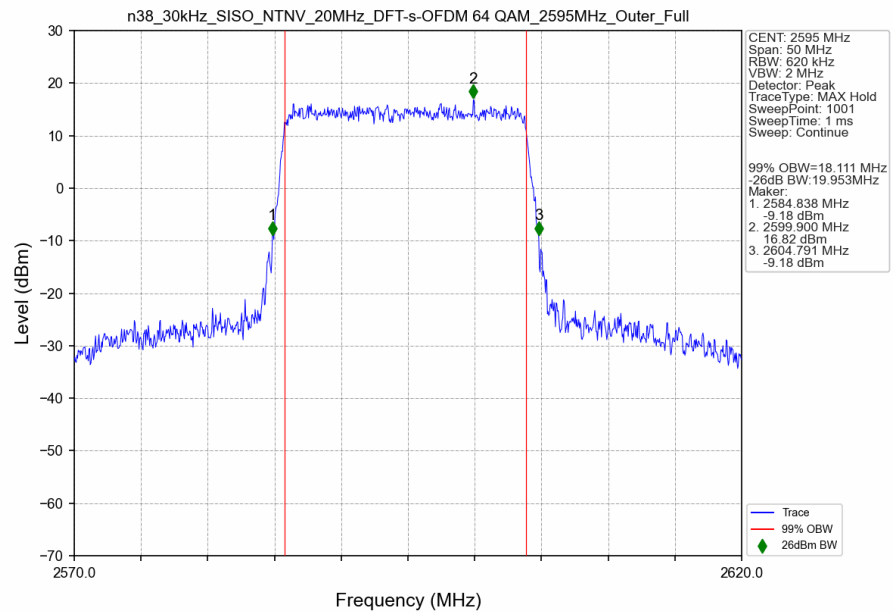
3.2.2 30k_SISO_20MHz_NTNV



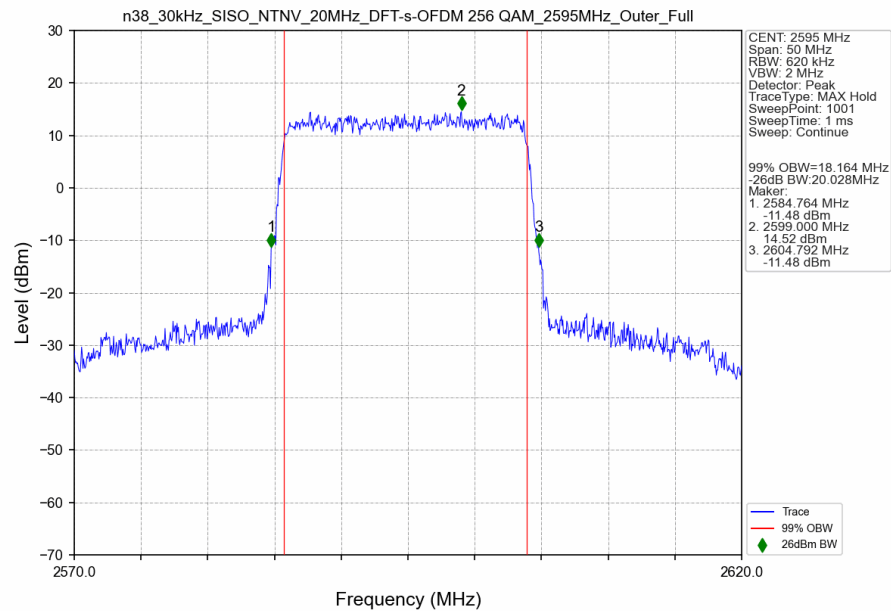
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_2595MHz_Outer_Full_Ant1



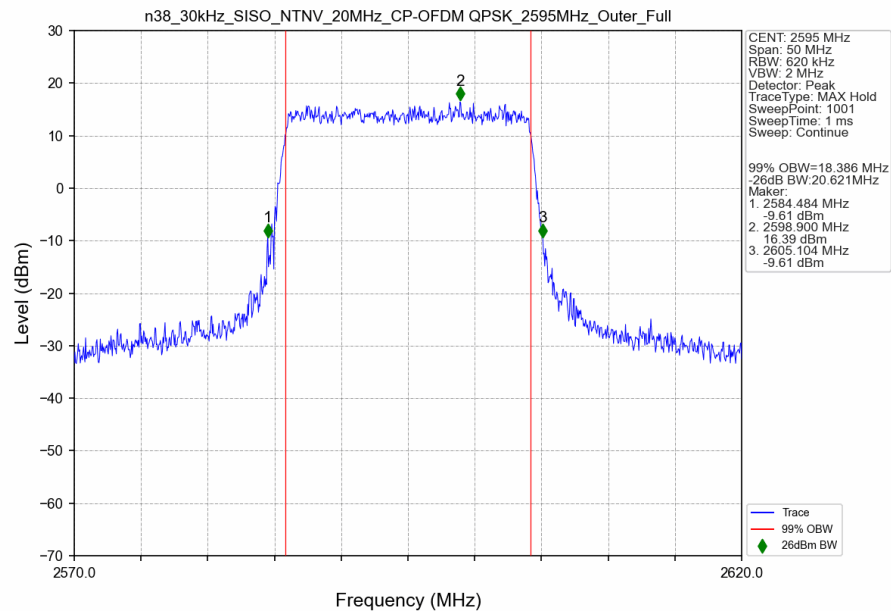
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_2595MHz_Outer_Full_Ant1



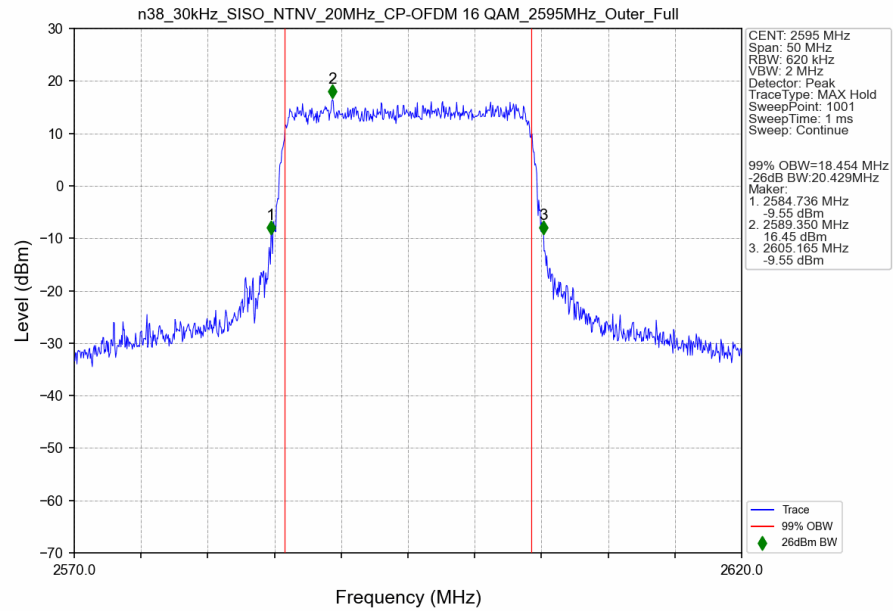
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2595MHz_Outer_Full_Ant1



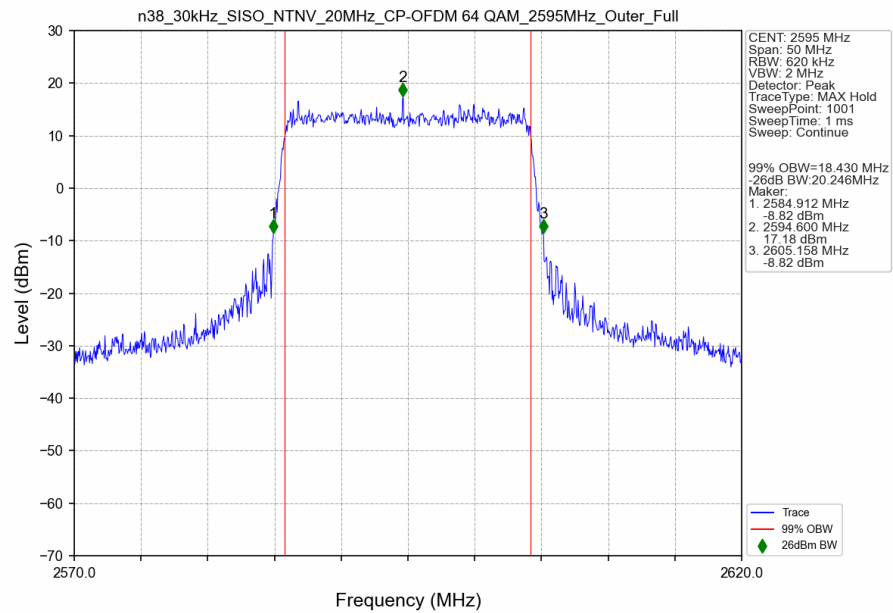
n38_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_2595MHz_Outer_Full_Ant1

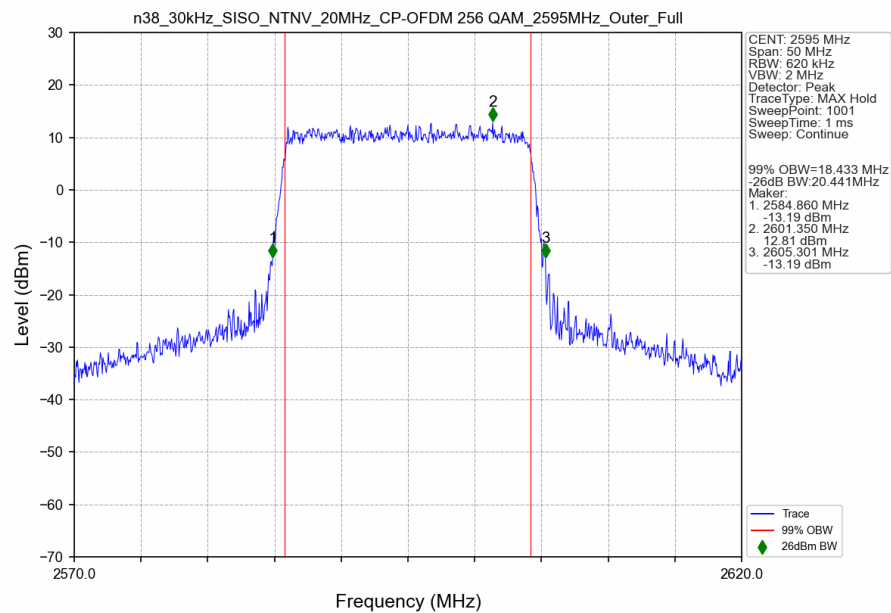


n38_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 2595MHz Outer Full Ant1

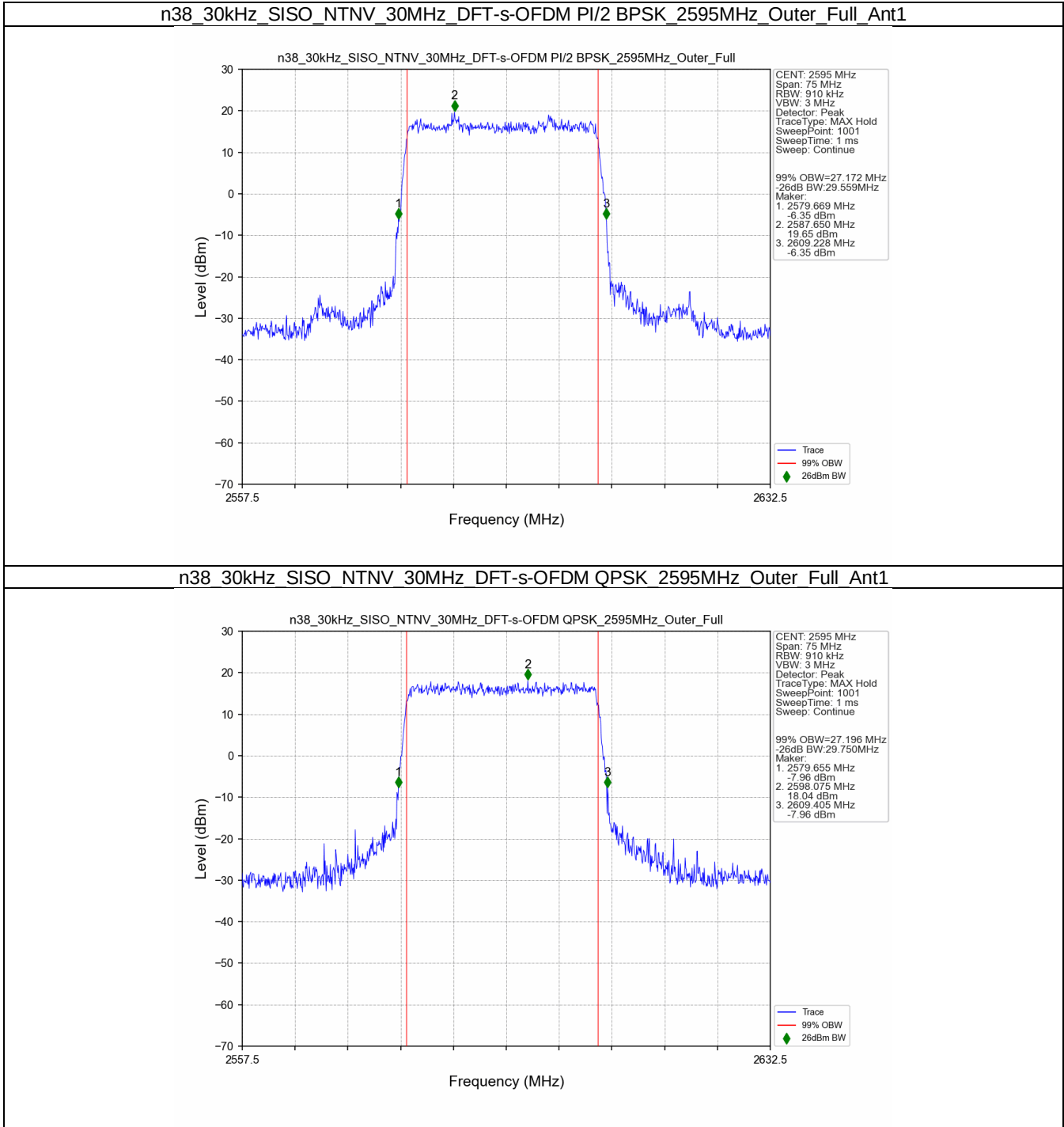


n38_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 2595MHz Outer Full Ant1

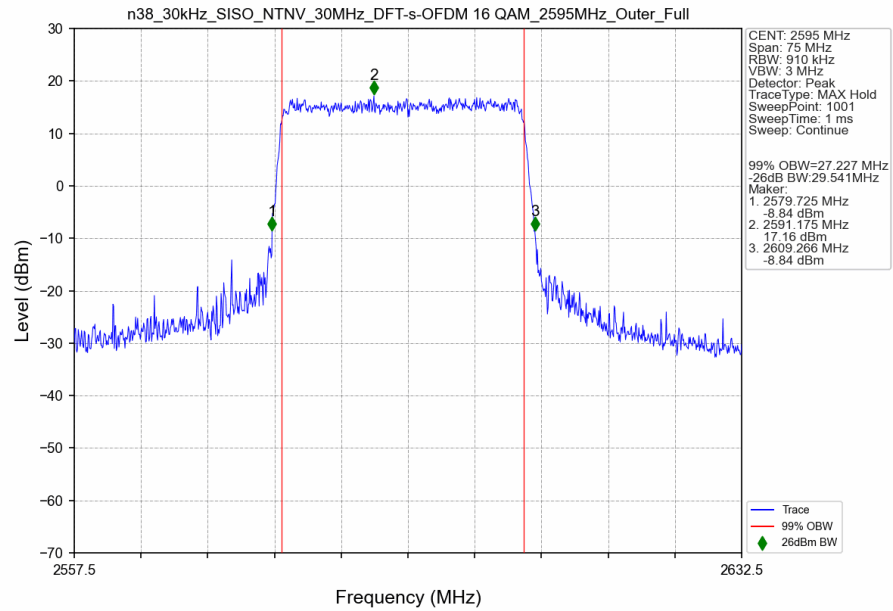




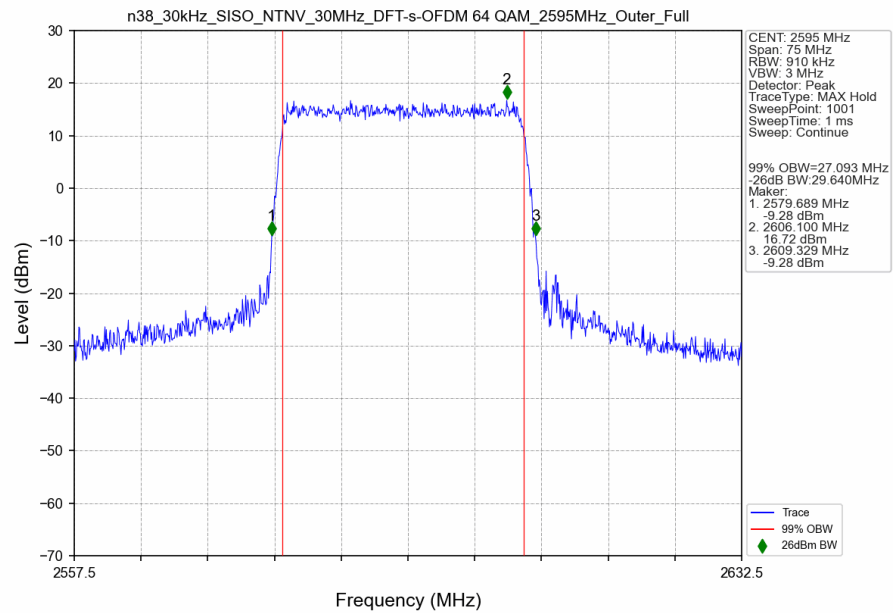
3.2.3 30k_SISO_30MHz_NTNV



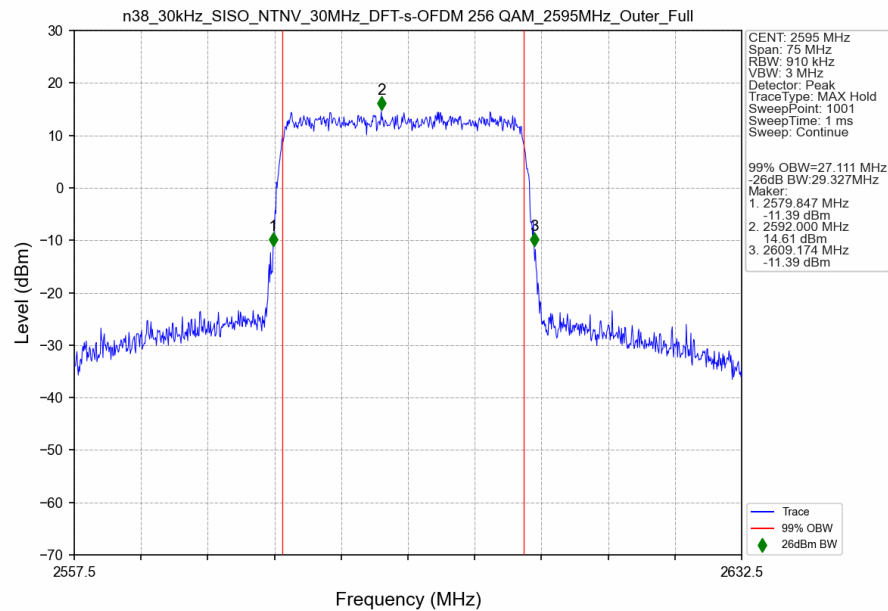
n38_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_2595MHz_Outer_Full_Ant1



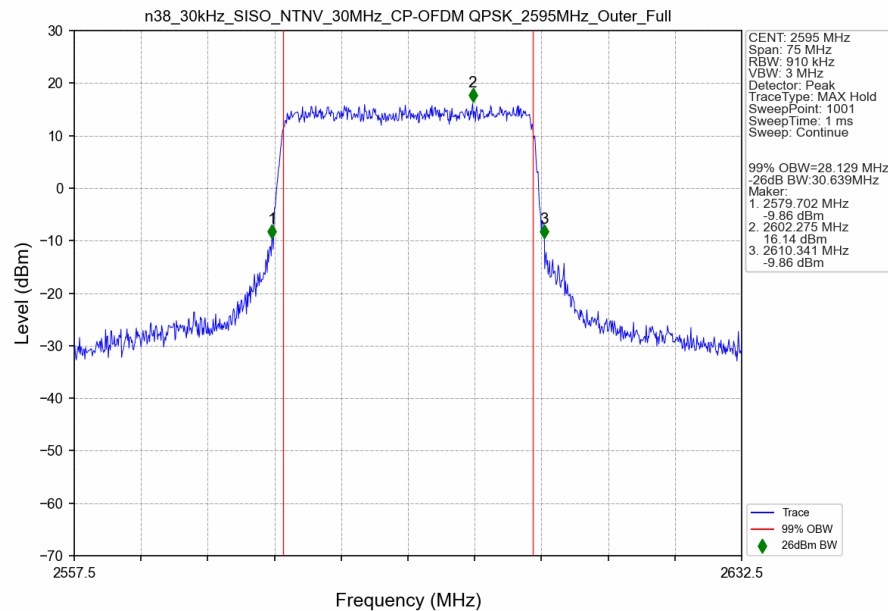
n38_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_64_QAM_2595MHz_Outer_Full_Ant1



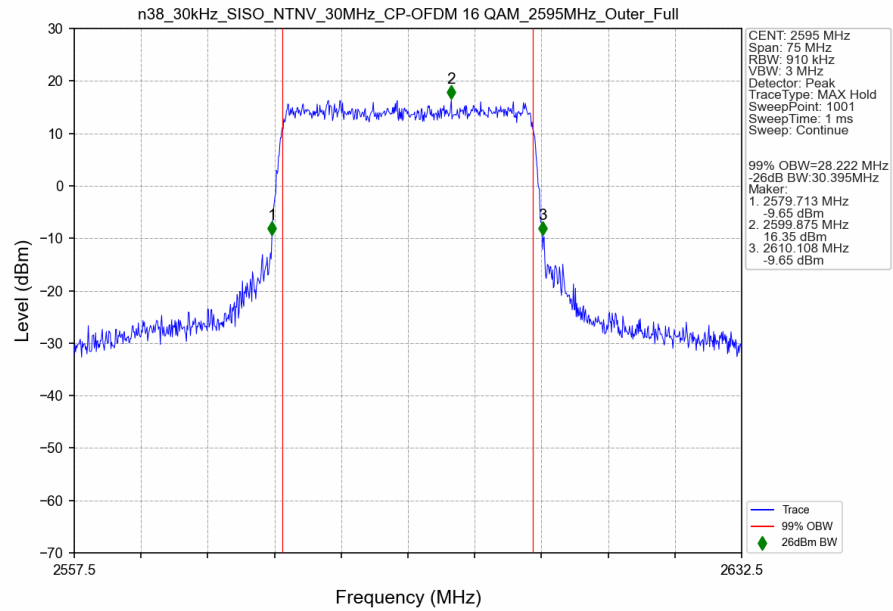
n38_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_2595MHz_Outer_Full_Ant1



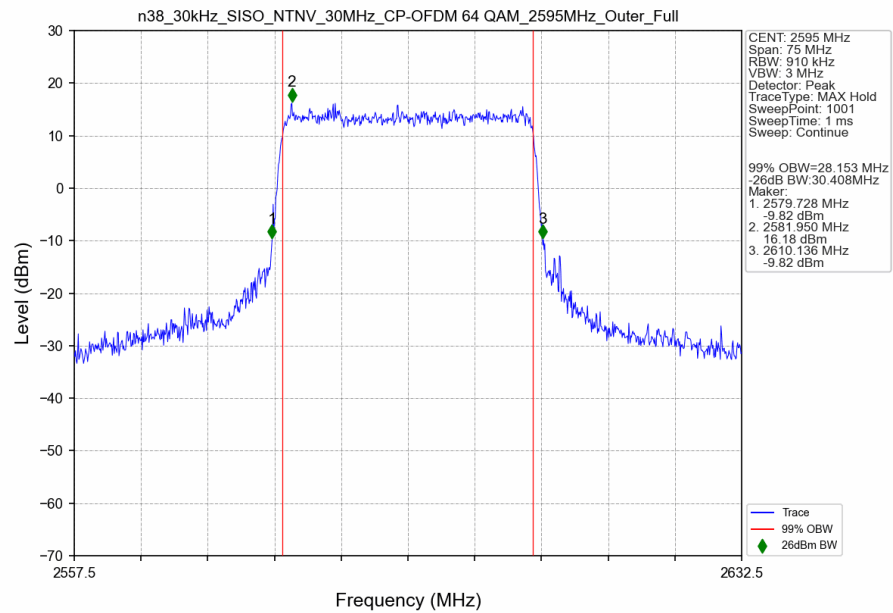
n38_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_2595MHz_Outer_Full_Ant1

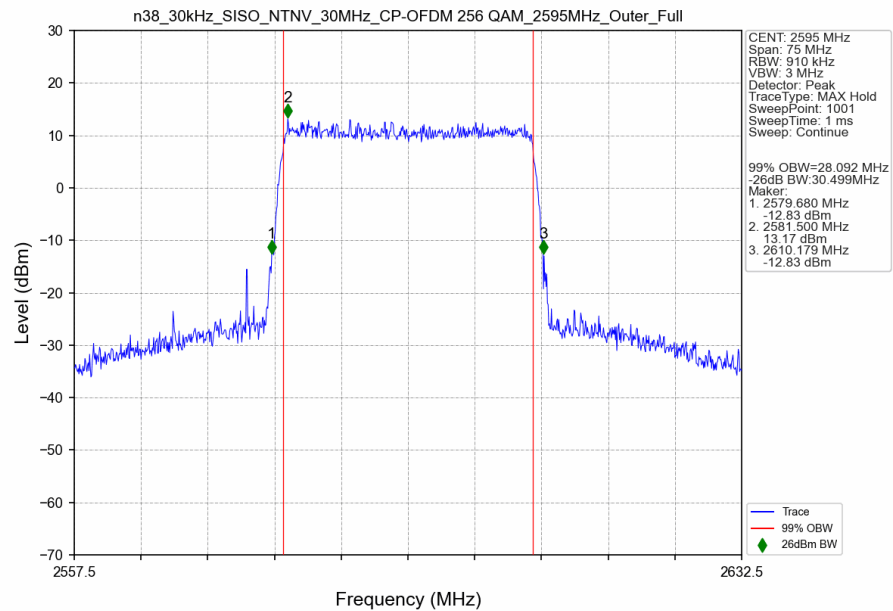


n38_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 2595MHz_Outer_Full Ant1

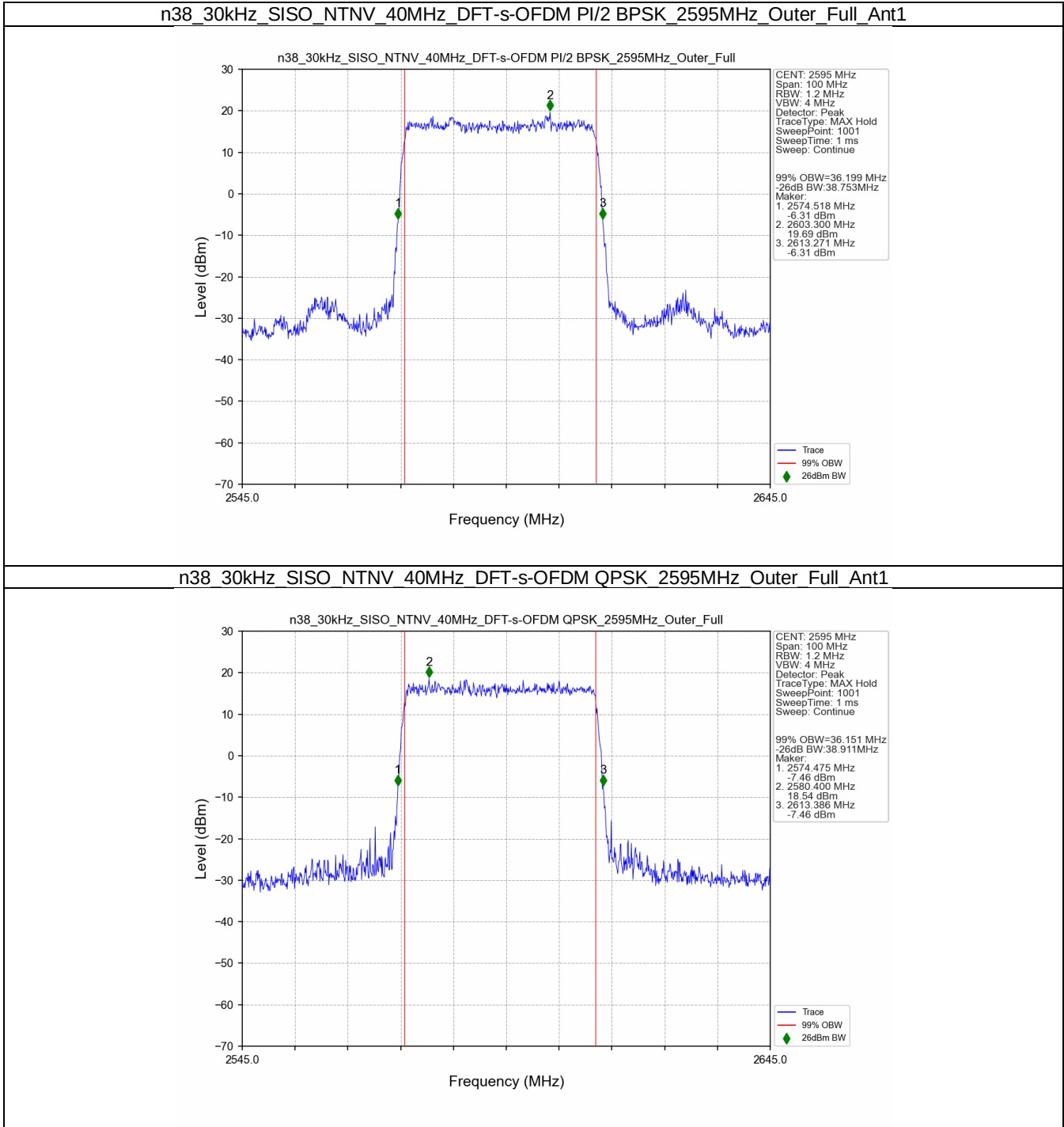


n38_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM 2595MHz_Outer_Full Ant1

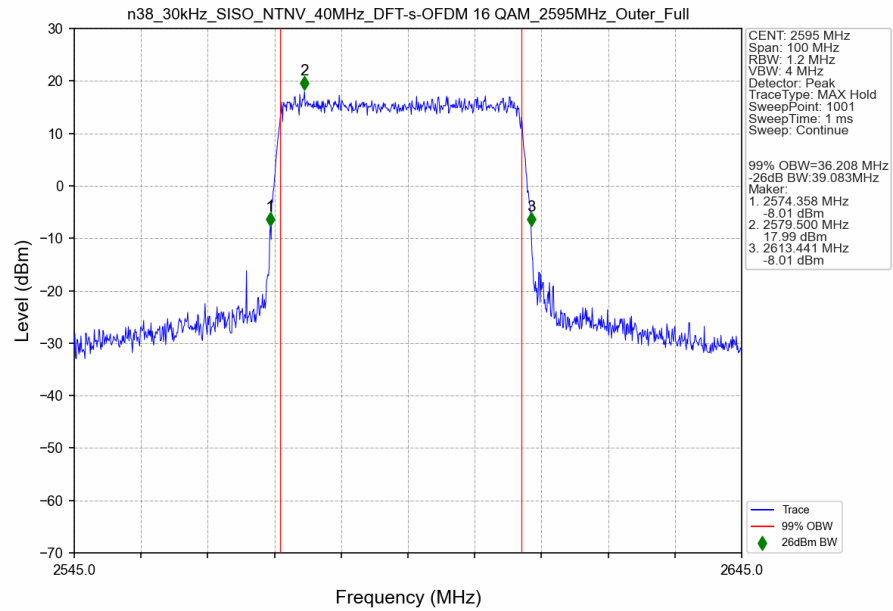




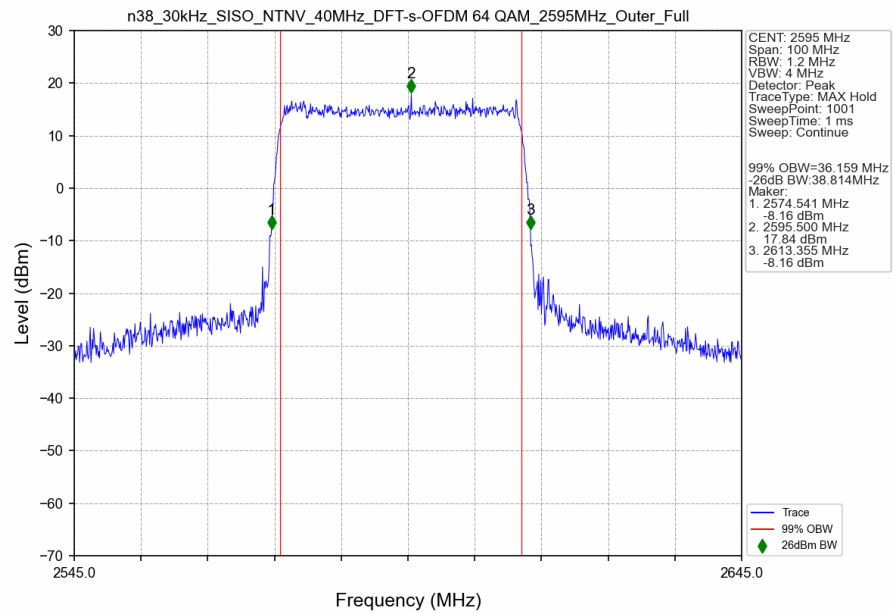
3.2.4 30k_SISO_40MHz_NTNV



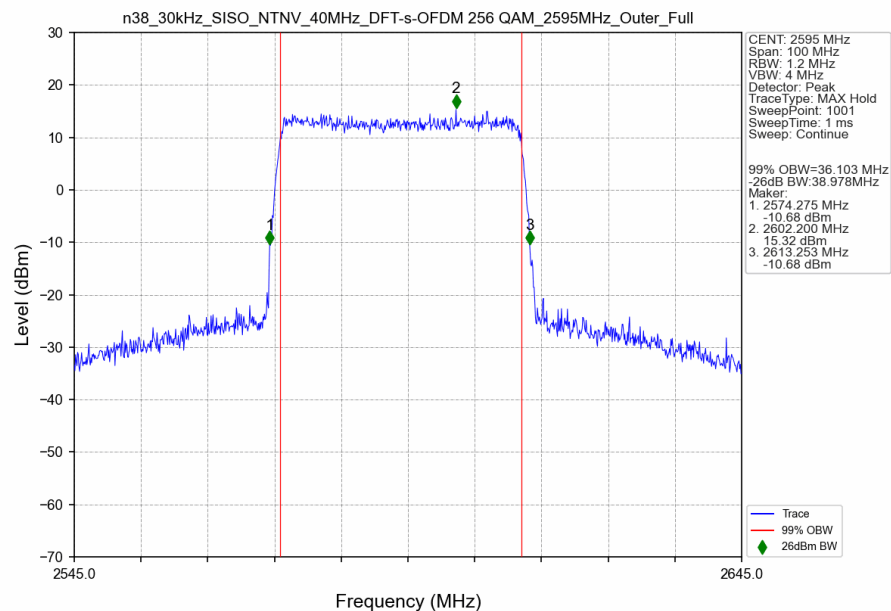
n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_2595MHz_Outer_Full_Ant1



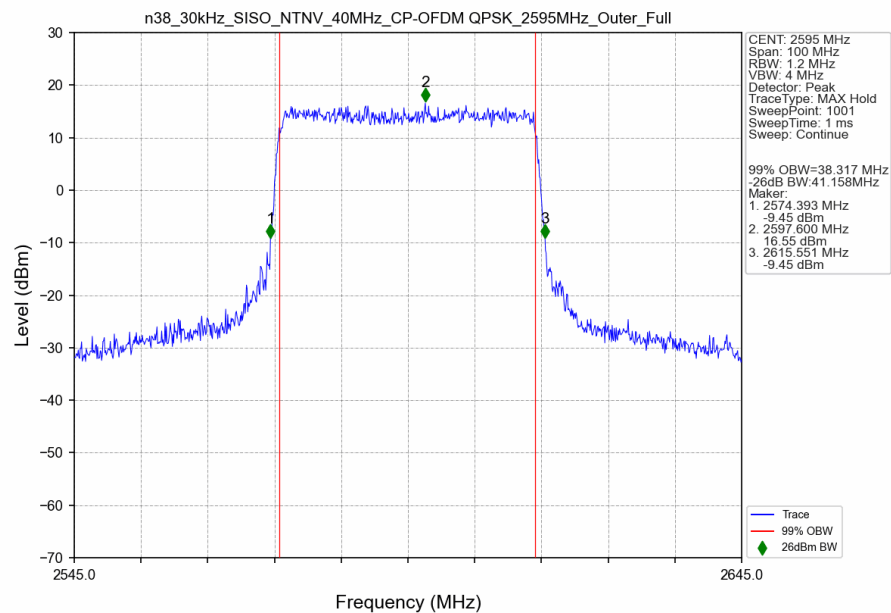
n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_2595MHz_Outer_Full_Ant1



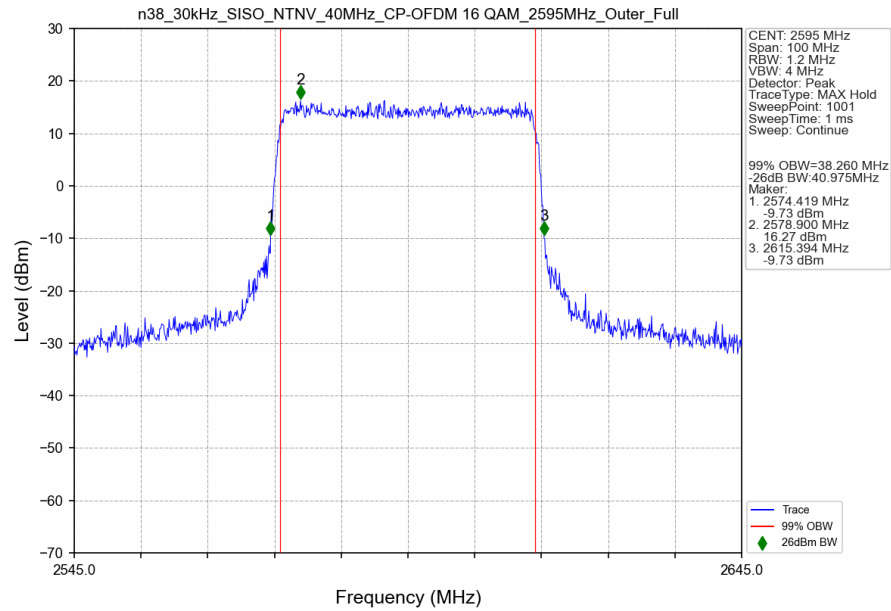
n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_2595MHz_Outer_Full_Ant1



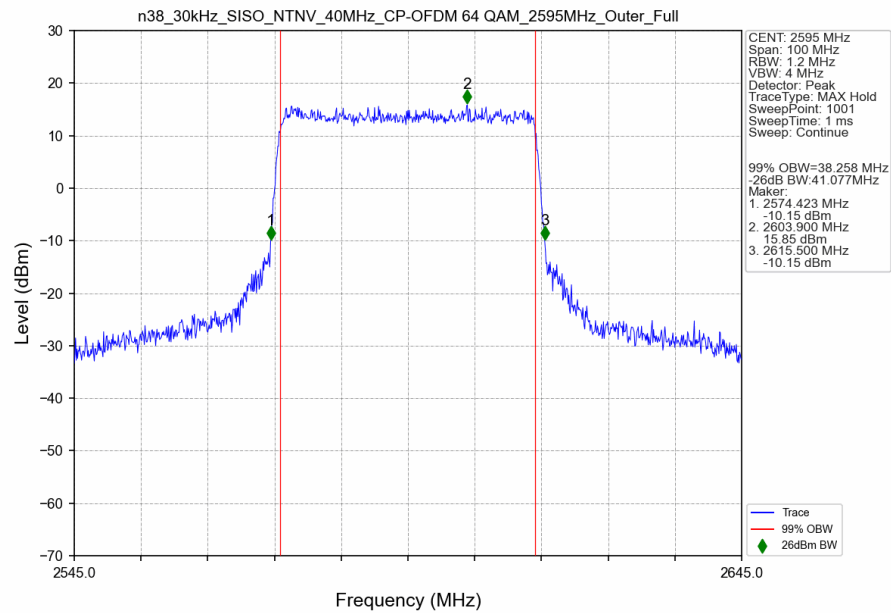
n38_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_2595MHz_Outer_Full_Ant1



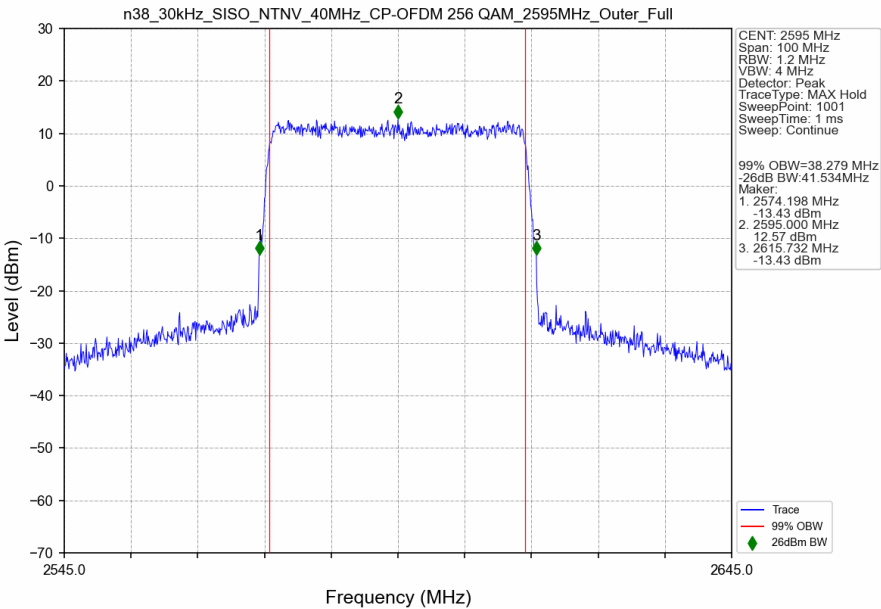
n38_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM 2595MHz Outer Full Ant1



n38_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM 2595MHz Outer Full Ant1



n38_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2595MHz_Outer_Full_Ant1



4. Peak-Average Ratio

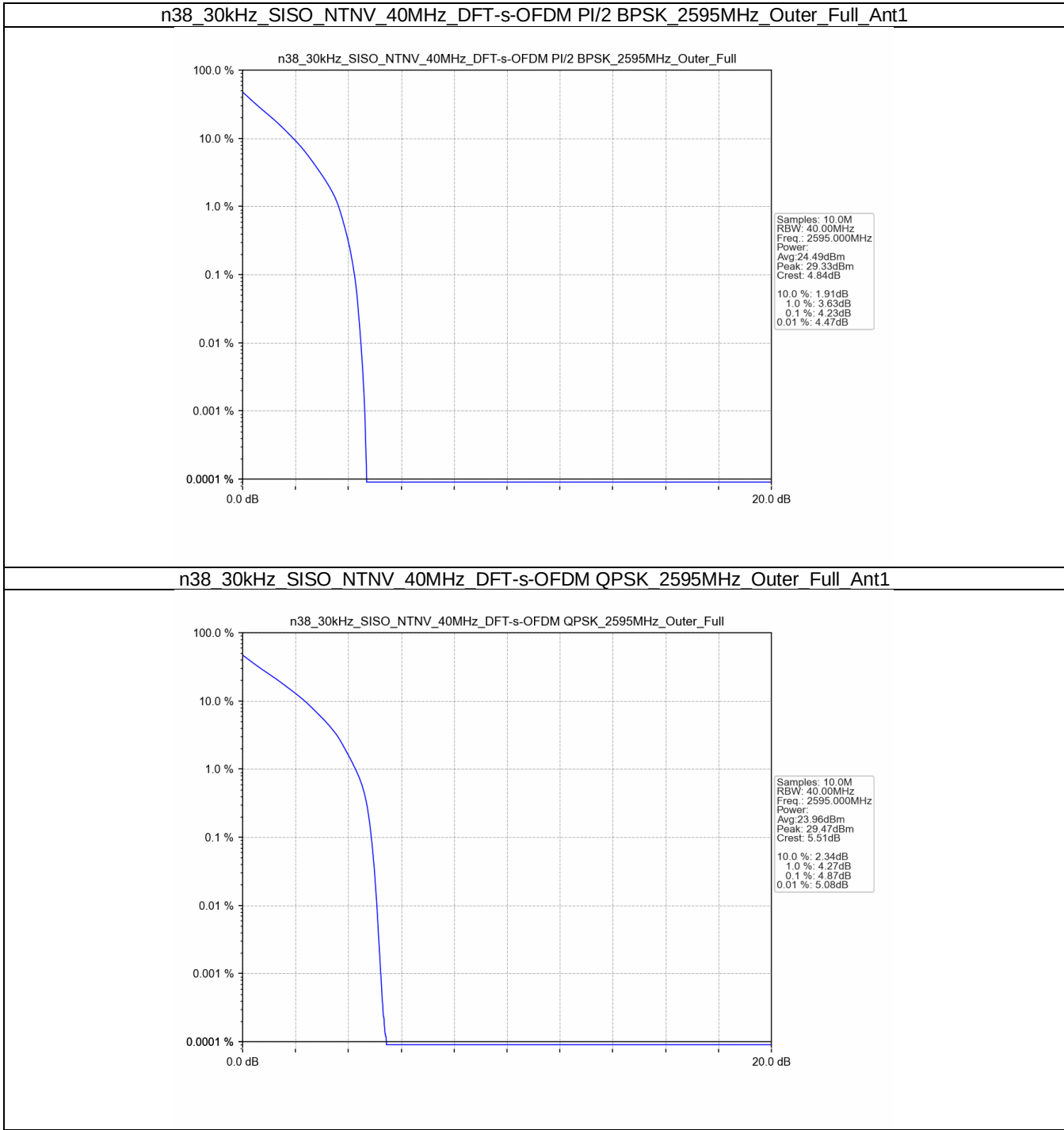
4.1 Test Result

4.1.1 30k_SISO_40MHz_NTNV

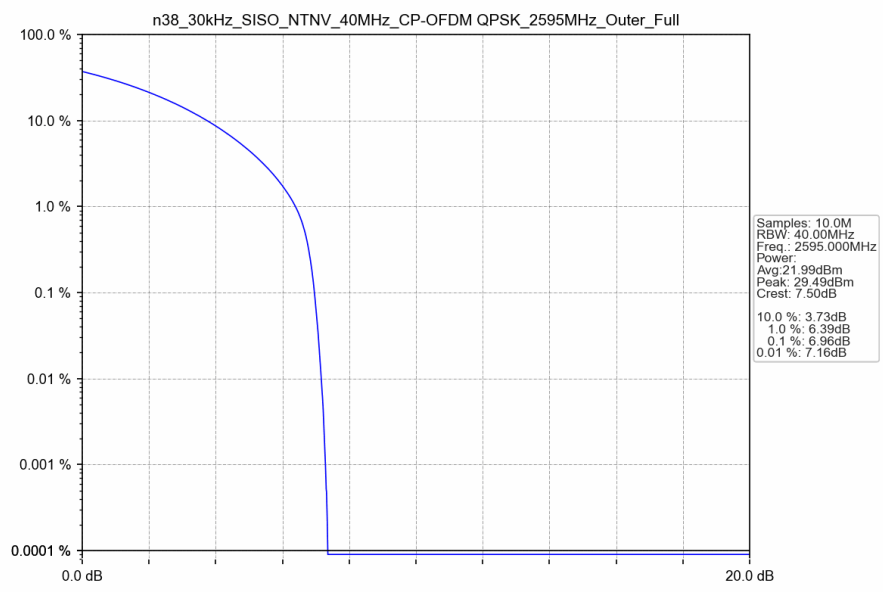
5G NR n38 SCS=30kHz SISO 40MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	4.23	/	/	<=13	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	4.87	/	/	<=13	Pass
CP-OFDM QPSK	2595	Outer_Full	6.96	/	/	<=13	Pass

4.2 Test Graph

4.2.1 30k_SISO_40MHz_NTNV



n38_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_2595MHz_Outer_Full_Ant1



5. Spurious Emission

5.1 Test Result

5.1.1 30k_SISO_10MHz_NTNV

5G NR n38 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2575	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		2615	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	DFT-s-OFDM QPSK	2575	Edge_1RB_Left	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
2595		Edge_1RB_Left	Refer To Test Graph				Pass
		2615	Edge_1RB_Right	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
CP-OFDM QPSK		2575	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		2615	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass

5.1.2 30k_SISO_30MHz_NTNV

5G NR n38 SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2585	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		2605	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	DFT-s-OFDM QPSK	2585	Edge_1RB_Left	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
2595		Edge_1RB_Left	Refer To Test Graph				Pass
		2605	Edge_1RB_Right	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
CP-OFDM QPSK		2585	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		2605	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass

5.1.3 30k_SISO_40MHz_NTNV

5G NR n38 SCS=30kHz SISO 40MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	2590	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	2595	Edge_1RB_Left	Refer To Test Graph				Pass	
		2600	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	2595	Edge_1RB_Left	Refer To Test Graph				Pass	
		2600	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2590	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	2595	Edge_1RB_Left	Refer To Test Graph				Pass	
		2600	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 30k_SISO_10MHz_NTNV

