



Appendix A.25

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2502.5	Edge_1RB_Left	22.94	/	/	22.09	/	/	<=33.01	Pass
		Edge_1RB_Right	22.93	/	/	22.08	/	/	<=33.01	Pass
		Outer_Full	23.00	/	/	22.15	/	/	<=33.01	Pass
		Inner_Full	23.45	/	/	22.60	/	/	<=33.01	Pass
		Inner_1RB_Left	23.50	/	/	22.65	/	/	<=33.01	Pass
		Inner_1RB_Right	23.56	/	/	22.71	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	22.79	/	/	21.94	/	/	<=33.01	Pass
		Edge_1RB_Right	22.88	/	/	22.03	/	/	<=33.01	Pass
		Outer_Full	23.05	/	/	22.20	/	/	<=33.01	Pass
		Inner_Full	23.35	/	/	22.50	/	/	<=33.01	Pass
		Inner_1RB_Left	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner_1RB_Right	23.46	/	/	22.61	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	22.71	/	/	21.86	/	/	<=33.01	Pass
		Edge_1RB_Right	22.83	/	/	21.98	/	/	<=33.01	Pass
		Outer_Full	22.92	/	/	22.07	/	/	<=33.01	Pass
		Inner_Full	23.31	/	/	22.46	/	/	<=33.01	Pass
		Inner_1RB_Left	23.31	/	/	22.46	/	/	<=33.01	Pass
		Inner_1RB_Right	23.38	/	/	22.53	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2502.5	Edge_1RB_Left	22.51	/	/	21.66	/	/	<=33.01	Pass
		Edge_1RB_Right	22.58	/	/	21.73	/	/	<=33.01	Pass
		Outer_Full	22.45	/	/	21.60	/	/	<=33.01	Pass
		Inner_Full	23.41	/	/	22.56	/	/	<=33.01	Pass
		Inner_1RB_Left	23.48	/	/	22.63	/	/	<=33.01	Pass
		Inner_1RB_Right	23.52	/	/	22.67	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	22.43	/	/	21.58	/	/	<=33.01	Pass
		Edge_1RB_Right	22.63	/	/	21.78	/	/	<=33.01	Pass
		Outer_Full	22.43	/	/	21.58	/	/	<=33.01	Pass
		Inner_Full	23.48	/	/	22.63	/	/	<=33.01	Pass
		Inner_1RB_Left	23.32	/	/	22.47	/	/	<=33.01	Pass
		Inner_1RB_Right	23.52	/	/	22.67	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	22.26	/	/	21.41	/	/	<=33.01	Pass
		Edge_1RB_Right	22.39	/	/	21.54	/	/	<=33.01	Pass
		Outer_Full	22.45	/	/	21.60	/	/	<=33.01	Pass
		Inner_Full	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner_1RB_Left	23.40	/	/	22.55	/	/	<=33.01	Pass
		Inner_1RB_Right	23.44	/	/	22.59	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2502.5	Edge_1RB_Left	21.56	/	/	20.71	/	/	<=33.01	Pass
		Edge_1RB_Right	21.62	/	/	20.77	/	/	<=33.01	Pass
		Outer_Full	21.42	/	/	20.57	/	/	<=33.01	Pass
		Inner_Full	22.47	/	/	21.62	/	/	<=33.01	Pass

		Inner_1RB_Left	22.63	/	/	21.78	/	/	<=33.01	Pass
		Inner_1RB_Right	22.75	/	/	21.90	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	21.64	/	/	20.79	/	/	<=33.01	Pass
		Edge_1RB_Right	21.58	/	/	20.73	/	/	<=33.01	Pass
		Outer_Full	21.38	/	/	20.53	/	/	<=33.01	Pass
		Inner_Full	22.36	/	/	21.51	/	/	<=33.01	Pass
		Inner_1RB_Left	22.57	/	/	21.72	/	/	<=33.01	Pass
		Inner_1RB_Right	22.80	/	/	21.95	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	21.46	/	/	20.61	/	/	<=33.01	Pass
		Edge_1RB_Right	21.52	/	/	20.67	/	/	<=33.01	Pass
		Outer_Full	21.18	/	/	20.33	/	/	<=33.01	Pass
		Inner_Full	22.23	/	/	21.38	/	/	<=33.01	Pass
		Inner_1RB_Left	22.58	/	/	21.73	/	/	<=33.01	Pass
		Inner_1RB_Right	22.57	/	/	21.72	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2502.5	Edge_1RB_Left	20.92	/	/	20.07	/	/	<=33.01	Pass
		Edge_1RB_Right	21.09	/	/	20.24	/	/	<=33.01	Pass
		Outer_Full	20.92	/	/	20.07	/	/	<=33.01	Pass
		Inner_Full	20.94	/	/	20.09	/	/	<=33.01	Pass
		Inner_1RB_Left	20.98	/	/	20.13	/	/	<=33.01	Pass
		Inner_1RB_Right	21.12	/	/	20.27	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	21.00	/	/	20.15	/	/	<=33.01	Pass
		Edge_1RB_Right	21.05	/	/	20.20	/	/	<=33.01	Pass
		Outer_Full	20.88	/	/	20.03	/	/	<=33.01	Pass
		Inner_Full	20.83	/	/	19.98	/	/	<=33.01	Pass
		Inner_1RB_Left	21.01	/	/	20.16	/	/	<=33.01	Pass
		Inner_1RB_Right	21.02	/	/	20.17	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	20.75	/	/	19.90	/	/	<=33.01	Pass
		Edge_1RB_Right	20.83	/	/	19.98	/	/	<=33.01	Pass
		Outer_Full	20.61	/	/	19.76	/	/	<=33.01	Pass
		Inner_Full	20.82	/	/	19.97	/	/	<=33.01	Pass
		Inner_1RB_Left	20.88	/	/	20.03	/	/	<=33.01	Pass
		Inner_1RB_Right	21.01	/	/	20.16	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2502.5	Edge_1RB_Left	19.14	/	/	18.29	/	/	<=33.01	Pass
		Edge_1RB_Right	19.16	/	/	18.31	/	/	<=33.01	Pass
		Outer_Full	18.79	/	/	17.94	/	/	<=33.01	Pass
		Inner_Full	18.89	/	/	18.04	/	/	<=33.01	Pass
		Inner_1RB_Left	19.18	/	/	18.33	/	/	<=33.01	Pass
		Inner_1RB_Right	19.31	/	/	18.46	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.10	/	/	18.25	/	/	<=33.01	Pass
		Edge_1RB_Right	19.09	/	/	18.24	/	/	<=33.01	Pass
		Outer_Full	18.71	/	/	17.86	/	/	<=33.01	Pass
		Inner_Full	18.92	/	/	18.07	/	/	<=33.01	Pass
		Inner_1RB_Left	19.11	/	/	18.26	/	/	<=33.01	Pass
		Inner_1RB_Right	19.28	/	/	18.43	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	19.07	/	/	18.22	/	/	<=33.01	Pass
		Edge_1RB_Right	19.08	/	/	18.23	/	/	<=33.01	Pass
		Outer_Full	18.67	/	/	17.82	/	/	<=33.01	Pass
		Inner_Full	18.83	/	/	17.98	/	/	<=33.01	Pass
		Inner_1RB_Left	19.06	/	/	18.21	/	/	<=33.01	Pass
		Inner_1RB_Right	19.15	/	/	18.30	/	/	<=33.01	Pass
CP-OFDM QPSK	2502.5	Edge_1RB_Left	20.16	/	/	19.31	/	/	<=33.01	Pass
		Edge_1RB_Right	20.31	/	/	19.46	/	/	<=33.01	Pass
		Outer_Full	20.46	/	/	19.61	/	/	<=33.01	Pass

		Inner Full	21.98	/	/	21.13	/	/	<=33.01	Pass
		Inner 1RB Left	22.05	/	/	21.20	/	/	<=33.01	Pass
		Inner 1RB Right	22.12	/	/	21.27	/	/	<=33.01	Pass
	2535	Edge 1RB Left	20.14	/	/	19.29	/	/	<=33.01	Pass
		Edge 1RB Right	20.13	/	/	19.28	/	/	<=33.01	Pass
		Outer Full	20.47	/	/	19.62	/	/	<=33.01	Pass
		Inner Full	21.74	/	/	20.89	/	/	<=33.01	Pass
		Inner 1RB Left	21.84	/	/	20.99	/	/	<=33.01	Pass
		Inner 1RB Right	22.02	/	/	21.17	/	/	<=33.01	Pass
	2567.5	Edge 1RB Left	20.17	/	/	19.32	/	/	<=33.01	Pass
		Edge 1RB Right	20.21	/	/	19.36	/	/	<=33.01	Pass
		Outer Full	20.23	/	/	19.38	/	/	<=33.01	Pass
		Inner Full	21.81	/	/	20.96	/	/	<=33.01	Pass
		Inner 1RB Left	21.62	/	/	20.77	/	/	<=33.01	Pass
		Inner 1RB Right	21.74	/	/	20.89	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2502.5	Edge 1RB Left	20.61	/	/	19.76	/	/	<=33.01	Pass
		Edge 1RB Right	20.81	/	/	19.96	/	/	<=33.01	Pass
		Outer Full	20.45	/	/	19.60	/	/	<=33.01	Pass
		Inner Full	21.55	/	/	20.70	/	/	<=33.01	Pass
		Inner 1RB Left	21.54	/	/	20.69	/	/	<=33.01	Pass
		Inner 1RB Right	21.62	/	/	20.77	/	/	<=33.01	Pass
	2535	Edge 1RB Left	20.61	/	/	19.76	/	/	<=33.01	Pass
		Edge 1RB Right	20.62	/	/	19.77	/	/	<=33.01	Pass
		Outer Full	20.31	/	/	19.46	/	/	<=33.01	Pass
		Inner Full	21.57	/	/	20.72	/	/	<=33.01	Pass
		Inner 1RB Left	21.49	/	/	20.64	/	/	<=33.01	Pass
		Inner 1RB Right	21.72	/	/	20.87	/	/	<=33.01	Pass
	2567.5	Edge 1RB Left	20.37	/	/	19.52	/	/	<=33.01	Pass
		Edge 1RB Right	20.64	/	/	19.79	/	/	<=33.01	Pass
		Outer Full	20.34	/	/	19.49	/	/	<=33.01	Pass
		Inner Full	21.35	/	/	20.50	/	/	<=33.01	Pass
		Inner 1RB Left	21.54	/	/	20.69	/	/	<=33.01	Pass
		Inner 1RB Right	21.58	/	/	20.73	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2502.5	Edge 1RB Left	19.80	/	/	18.95	/	/	<=33.01	Pass
		Edge 1RB Right	19.98	/	/	19.13	/	/	<=33.01	Pass
		Outer Full	19.89	/	/	19.04	/	/	<=33.01	Pass
		Inner Full	19.88	/	/	19.03	/	/	<=33.01	Pass
		Inner 1RB Left	19.85	/	/	19.00	/	/	<=33.01	Pass
		Inner 1RB Right	20.02	/	/	19.17	/	/	<=33.01	Pass
	2535	Edge 1RB Left	20.08	/	/	19.23	/	/	<=33.01	Pass
		Edge 1RB Right	19.94	/	/	19.09	/	/	<=33.01	Pass
		Outer Full	19.81	/	/	18.96	/	/	<=33.01	Pass
		Inner Full	19.79	/	/	18.94	/	/	<=33.01	Pass
		Inner 1RB Left	19.99	/	/	19.14	/	/	<=33.01	Pass
		Inner 1RB Right	20.01	/	/	19.16	/	/	<=33.01	Pass
	2567.5	Edge 1RB Left	19.97	/	/	19.12	/	/	<=33.01	Pass
		Edge 1RB Right	20.00	/	/	19.15	/	/	<=33.01	Pass
		Outer Full	19.62	/	/	18.77	/	/	<=33.01	Pass
		Inner Full	19.82	/	/	18.97	/	/	<=33.01	Pass
		Inner 1RB Left	19.99	/	/	19.14	/	/	<=33.01	Pass
		Inner 1RB Right	20.08	/	/	19.23	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2502.5	Edge 1RB Left	17.05	/	/	16.20	/	/	<=33.01	Pass
		Edge 1RB Right	17.17	/	/	16.32	/	/	<=33.01	Pass

		Outer_Full	16.94	/	/	16.09	/	/	<=33.01	Pass
		Inner_Full	16.94	/	/	16.09	/	/	<=33.01	Pass
		Inner_1RB_Left	16.99	/	/	16.14	/	/	<=33.01	Pass
		Inner_1RB_Right	17.18	/	/	16.33	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	17.17	/	/	16.32	/	/	<=33.01	Pass
		Edge_1RB_Right	16.62	/	/	15.77	/	/	<=33.01	Pass
		Outer_Full	16.80	/	/	15.96	/	/	<=33.01	Pass
		Inner_Full	16.99	/	/	16.14	/	/	<=33.01	Pass
		Inner_1RB_Left	17.36	/	/	16.51	/	/	<=33.01	Pass
		Inner_1RB_Right	17.29	/	/	16.44	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	16.86	/	/	16.01	/	/	<=33.01	Pass
		Edge_1RB_Right	17.01	/	/	16.16	/	/	<=33.01	Pass
		Outer_Full	16.89	/	/	16.04	/	/	<=33.01	Pass
		Inner_Full	16.75	/	/	15.90	/	/	<=33.01	Pass
		Inner_1RB_Left	17.00	/	/	16.15	/	/	<=33.01	Pass
		Inner_1RB_Right	17.08	/	/	16.23	/	/	<=33.01	Pass
Note1: Antenna Gain: Ant4: -0.85dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15_S_10M_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2505	Edge 1RB Left	22.95	/	/	22.10	/	/	<=33.01	Pass
		Edge 1RB Right	22.98	/	/	22.13	/	/	<=33.01	Pass
		Outer Full	23.11	/	/	22.26	/	/	<=33.01	Pass
		Inner Full	23.39	/	/	22.54	/	/	<=33.01	Pass
		Inner 1RB Left	23.47	/	/	22.62	/	/	<=33.01	Pass
		Inner 1RB Right	23.47	/	/	22.62	/	/	<=33.01	Pass
	2535	Edge 1RB Left	22.82	/	/	21.97	/	/	<=33.01	Pass
		Edge 1RB Right	22.83	/	/	21.98	/	/	<=33.01	Pass
		Outer Full	22.93	/	/	22.08	/	/	<=33.01	Pass
		Inner Full	23.31	/	/	22.46	/	/	<=33.01	Pass
		Inner 1RB Left	23.46	/	/	22.61	/	/	<=33.01	Pass
		Inner 1RB Right	23.48	/	/	22.63	/	/	<=33.01	Pass
	2565	Edge 1RB Left	22.76	/	/	21.91	/	/	<=33.01	Pass
		Edge 1RB Right	22.89	/	/	22.04	/	/	<=33.01	Pass
		Outer Full	22.87	/	/	22.02	/	/	<=33.01	Pass
		Inner Full	23.27	/	/	22.42	/	/	<=33.01	Pass
		Inner 1RB Left	23.23	/	/	22.38	/	/	<=33.01	Pass
		Inner 1RB Right	23.39	/	/	22.54	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2505	Edge 1RB Left	22.55	/	/	21.70	/	/	<=33.01	Pass
		Edge 1RB Right	22.58	/	/	21.73	/	/	<=33.01	Pass
		Outer Full	22.51	/	/	21.66	/	/	<=33.01	Pass
		Inner Full	23.36	/	/	22.51	/	/	<=33.01	Pass
		Inner 1RB Left	23.45	/	/	22.60	/	/	<=33.01	Pass
		Inner 1RB Right	23.53	/	/	22.68	/	/	<=33.01	Pass
	2535	Edge 1RB Left	22.51	/	/	21.66	/	/	<=33.01	Pass
		Edge 1RB Right	22.32	/	/	21.48	/	/	<=33.01	Pass
		Outer Full	22.44	/	/	21.59	/	/	<=33.01	Pass

		Inner Full	23.38	/	/	22.53	/	/	<=33.01	Pass
		Inner 1RB Left	23.32	/	/	22.48	/	/	<=33.01	Pass
		Inner 1RB Right	23.47	/	/	22.62	/	/	<=33.01	Pass
	2565	Edge 1RB Left	22.41	/	/	21.56	/	/	<=33.01	Pass
		Edge 1RB Right	22.46	/	/	21.61	/	/	<=33.01	Pass
		Outer Full	22.35	/	/	21.50	/	/	<=33.01	Pass
		Inner Full	23.29	/	/	22.44	/	/	<=33.01	Pass
		Inner 1RB Left	23.30	/	/	22.45	/	/	<=33.01	Pass
		Inner 1RB Right	23.44	/	/	22.59	/	/	<=33.01	Pass
		Edge 1RB Left	21.53	/	/	20.68	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2505	Edge 1RB Right	21.66	/	/	20.82	/	/	<=33.01	Pass
		Outer Full	21.37	/	/	20.52	/	/	<=33.01	Pass
		Inner Full	22.40	/	/	21.55	/	/	<=33.01	Pass
		Inner 1RB Left	22.64	/	/	21.79	/	/	<=33.01	Pass
		Inner 1RB Right	22.74	/	/	21.89	/	/	<=33.01	Pass
		Edge 1RB Left	21.44	/	/	20.59	/	/	<=33.01	Pass
	2535	Edge 1RB Right	21.54	/	/	20.69	/	/	<=33.01	Pass
		Outer Full	21.25	/	/	20.40	/	/	<=33.01	Pass
		Inner Full	22.31	/	/	21.46	/	/	<=33.01	Pass
		Inner 1RB Left	22.50	/	/	21.65	/	/	<=33.01	Pass
		Inner 1RB Right	22.55	/	/	21.70	/	/	<=33.01	Pass
		Edge 1RB Left	21.46	/	/	20.61	/	/	<=33.01	Pass
	2565	Edge 1RB Right	21.44	/	/	20.59	/	/	<=33.01	Pass
		Outer Full	21.24	/	/	20.39	/	/	<=33.01	Pass
		Inner Full	22.17	/	/	21.32	/	/	<=33.01	Pass
		Inner 1RB Left	22.48	/	/	21.63	/	/	<=33.01	Pass
		Inner 1RB Right	22.47	/	/	21.62	/	/	<=33.01	Pass
		Edge 1RB Left	20.93	/	/	20.08	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2505	Edge 1RB Right	21.12	/	/	20.27	/	/	<=33.01	Pass
		Outer Full	20.95	/	/	20.10	/	/	<=33.01	Pass
		Inner Full	20.90	/	/	20.05	/	/	<=33.01	Pass
		Inner 1RB Left	20.99	/	/	20.14	/	/	<=33.01	Pass
		Inner 1RB Right	21.16	/	/	20.31	/	/	<=33.01	Pass
		Edge 1RB Left	20.91	/	/	20.06	/	/	<=33.01	Pass
	2535	Edge 1RB Right	20.89	/	/	20.04	/	/	<=33.01	Pass
		Outer Full	20.87	/	/	20.02	/	/	<=33.01	Pass
		Inner Full	20.79	/	/	19.94	/	/	<=33.01	Pass
		Inner 1RB Left	20.98	/	/	20.13	/	/	<=33.01	Pass
		Inner 1RB Right	20.98	/	/	20.13	/	/	<=33.01	Pass
		Edge 1RB Left	20.84	/	/	19.99	/	/	<=33.01	Pass
	2565	Edge 1RB Right	20.83	/	/	19.98	/	/	<=33.01	Pass
		Outer Full	20.75	/	/	19.90	/	/	<=33.01	Pass
		Inner Full	20.72	/	/	19.87	/	/	<=33.01	Pass
		Inner 1RB Left	20.84	/	/	19.99	/	/	<=33.01	Pass
		Inner 1RB Right	20.91	/	/	20.06	/	/	<=33.01	Pass
		Edge 1RB Left	19.16	/	/	18.31	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2505	Edge 1RB Right	19.15	/	/	18.30	/	/	<=33.01	Pass
		Outer Full	18.93	/	/	18.08	/	/	<=33.01	Pass
		Inner Full	18.78	/	/	17.93	/	/	<=33.01	Pass
		Inner 1RB Left	19.18	/	/	18.33	/	/	<=33.01	Pass
		Inner 1RB Right	19.25	/	/	18.40	/	/	<=33.01	Pass
		Edge 1RB Left	19.20	/	/	18.35	/	/	<=33.01	Pass
	2535	Edge 1RB Right	19.17	/	/	18.32	/	/	<=33.01	Pass

		Outer Full	18.85	/	/	18.00	/	/	<=33.01	Pass
		Inner Full	18.74	/	/	17.89	/	/	<=33.01	Pass
		Inner 1RB Left	19.19	/	/	18.34	/	/	<=33.01	Pass
		Inner 1RB Right	19.21	/	/	18.36	/	/	<=33.01	Pass
	2565	Edge 1RB Left	18.92	/	/	18.07	/	/	<=33.01	Pass
		Edge 1RB Right	18.90	/	/	18.05	/	/	<=33.01	Pass
		Outer Full	18.81	/	/	17.96	/	/	<=33.01	Pass
		Inner Full	18.74	/	/	17.89	/	/	<=33.01	Pass
		Inner 1RB Left	18.93	/	/	18.08	/	/	<=33.01	Pass
		Inner 1RB Right	18.94	/	/	18.09	/	/	<=33.01	Pass
		Edge 1RB Left	20.33	/	/	19.48	/	/	<=33.01	Pass
		Edge 1RB Right	20.32	/	/	19.47	/	/	<=33.01	Pass
CP-OFDM QPSK	2505	Outer Full	20.51	/	/	19.66	/	/	<=33.01	Pass
		Inner Full	21.88	/	/	21.03	/	/	<=33.01	Pass
		Inner 1RB Left	21.99	/	/	21.14	/	/	<=33.01	Pass
		Inner 1RB Right	22.04	/	/	21.19	/	/	<=33.01	Pass
	2535	Edge 1RB Left	20.24	/	/	19.39	/	/	<=33.01	Pass
		Edge 1RB Right	20.20	/	/	19.35	/	/	<=33.01	Pass
		Outer Full	20.38	/	/	19.53	/	/	<=33.01	Pass
		Inner Full	21.74	/	/	20.89	/	/	<=33.01	Pass
		Inner 1RB Left	21.91	/	/	21.07	/	/	<=33.01	Pass
		Inner 1RB Right	21.88	/	/	21.03	/	/	<=33.01	Pass
	2565	Edge 1RB Left	20.04	/	/	19.19	/	/	<=33.01	Pass
		Edge 1RB Right	20.16	/	/	19.31	/	/	<=33.01	Pass
		Outer Full	20.28	/	/	19.43	/	/	<=33.01	Pass
		Inner Full	21.81	/	/	20.96	/	/	<=33.01	Pass
		Inner 1RB Left	21.86	/	/	21.01	/	/	<=33.01	Pass
		Inner 1RB Right	21.93	/	/	21.08	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2505	Edge 1RB Left	20.59	/	/	19.74	/	/	<=33.01	Pass
		Edge 1RB Right	20.78	/	/	19.93	/	/	<=33.01	Pass
		Outer Full	20.43	/	/	19.58	/	/	<=33.01	Pass
		Inner Full	21.32	/	/	20.47	/	/	<=33.01	Pass
		Inner 1RB Left	21.60	/	/	20.75	/	/	<=33.01	Pass
		Inner 1RB Right	21.67	/	/	20.82	/	/	<=33.01	Pass
	2535	Edge 1RB Left	20.60	/	/	19.75	/	/	<=33.01	Pass
		Edge 1RB Right	20.57	/	/	19.72	/	/	<=33.01	Pass
		Outer Full	20.43	/	/	19.58	/	/	<=33.01	Pass
		Inner Full	21.31	/	/	20.46	/	/	<=33.01	Pass
		Inner 1RB Left	21.38	/	/	20.53	/	/	<=33.01	Pass
		Inner 1RB Right	21.61	/	/	20.76	/	/	<=33.01	Pass
	2565	Edge 1RB Left	20.57	/	/	19.72	/	/	<=33.01	Pass
		Edge 1RB Right	20.65	/	/	19.80	/	/	<=33.01	Pass
		Outer Full	20.31	/	/	19.46	/	/	<=33.01	Pass
		Inner Full	21.22	/	/	20.37	/	/	<=33.01	Pass
		Inner 1RB Left	21.45	/	/	20.60	/	/	<=33.01	Pass
		Inner 1RB Right	21.72	/	/	20.87	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2505	Edge 1RB Left	20.07	/	/	19.22	/	/	<=33.01	Pass
		Edge 1RB Right	20.08	/	/	19.23	/	/	<=33.01	Pass
		Outer Full	19.97	/	/	19.12	/	/	<=33.01	Pass
		Inner Full	19.89	/	/	19.04	/	/	<=33.01	Pass
		Inner 1RB Left	20.05	/	/	19.20	/	/	<=33.01	Pass
		Inner 1RB Right	20.23	/	/	19.38	/	/	<=33.01	Pass
	2535	Edge 1RB Left	20.14	/	/	19.29	/	/	<=33.01	Pass

		Edge_1RB_Right	20.02	/	/	19.17	/	/	<=33.01	Pass	
		Outer_Full	19.82	/	/	18.97	/	/	<=33.01	Pass	
		Inner_Full	19.82	/	/	18.97	/	/	<=33.01	Pass	
		Inner_1RB_Left	20.09	/	/	19.24	/	/	<=33.01	Pass	
		Inner_1RB_Right	20.02	/	/	19.17	/	/	<=33.01	Pass	
	2565	Edge_1RB_Left	20.00	/	/	19.15	/	/	<=33.01	Pass	
		Edge_1RB_Right	20.00	/	/	19.15	/	/	<=33.01	Pass	
		Outer_Full	19.73	/	/	18.88	/	/	<=33.01	Pass	
		Inner_Full	19.78	/	/	18.93	/	/	<=33.01	Pass	
		Inner_1RB_Left	19.93	/	/	19.08	/	/	<=33.01	Pass	
	Inner_1RB_Right	19.94	/	/	19.09	/	/	<=33.01	Pass		
CP-OFDM 256 QAM	2505	Edge_1RB_Left	17.13	/	/	16.28	/	/	<=33.01	Pass	
		Edge_1RB_Right	17.30	/	/	16.45	/	/	<=33.01	Pass	
		Outer_Full	17.00	/	/	16.15	/	/	<=33.01	Pass	
		Inner_Full	16.90	/	/	16.05	/	/	<=33.01	Pass	
		Inner_1RB_Left	17.17	/	/	16.32	/	/	<=33.01	Pass	
		Inner_1RB_Right	17.33	/	/	16.48	/	/	<=33.01	Pass	
	2535	Edge_1RB_Left	17.01	/	/	16.16	/	/	<=33.01	Pass	
		Edge_1RB_Right	16.91	/	/	16.06	/	/	<=33.01	Pass	
		Outer_Full	16.97	/	/	16.12	/	/	<=33.01	Pass	
		Inner_Full	16.93	/	/	16.08	/	/	<=33.01	Pass	
		Inner_1RB_Left	17.03	/	/	16.18	/	/	<=33.01	Pass	
		Inner_1RB_Right	17.22	/	/	16.37	/	/	<=33.01	Pass	
	2565	Edge_1RB_Left	17.01	/	/	16.16	/	/	<=33.01	Pass	
		Edge_1RB_Right	17.14	/	/	16.29	/	/	<=33.01	Pass	
		Outer_Full	16.96	/	/	16.11	/	/	<=33.01	Pass	
		Inner_Full	16.79	/	/	15.94	/	/	<=33.01	Pass	
		Inner_1RB_Left	17.05	/	/	16.20	/	/	<=33.01	Pass	
		Inner_1RB_Right	17.09	/	/	16.24	/	/	<=33.01	Pass	
	Note1: Antenna Gain: Ant4: -0.85dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15_S_15M_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	2507.5	Edge 1RB Left	22.85	/	/	22.00	/	/	<=33.01	Pass
		Edge 1RB Right	22.98	/	/	22.13	/	/	<=33.01	Pass
		Outer Full	23.08	/	/	22.23	/	/	<=33.01	Pass
		Inner Full	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner 1RB Left	23.51	/	/	22.66	/	/	<=33.01	Pass
		Inner 1RB Right	23.44	/	/	22.59	/	/	<=33.01	Pass
	2535	Edge 1RB Left	22.86	/	/	22.01	/	/	<=33.01	Pass
		Edge 1RB Right	22.75	/	/	21.90	/	/	<=33.01	Pass
		Outer Full	22.89	/	/	22.04	/	/	<=33.01	Pass
		Inner Full	23.45	/	/	22.60	/	/	<=33.01	Pass
		Inner 1RB Left	23.40	/	/	22.55	/	/	<=33.01	Pass
		Inner 1RB Right	23.41	/	/	22.56	/	/	<=33.01	Pass
	2562.5	Edge 1RB Left	22.76	/	/	21.91	/	/	<=33.01	Pass
		Edge 1RB Right	22.72	/	/	21.87	/	/	<=33.01	Pass

DFT-s-OFDM QPSK		Outer_Full	22.97	/	/	22.12	/	/	<=33.01	Pass
		Inner_Full	23.33	/	/	22.48	/	/	<=33.01	Pass
		Inner_1RB_Left	23.23	/	/	22.38	/	/	<=33.01	Pass
		Inner_1RB_Right	23.41	/	/	22.56	/	/	<=33.01	Pass
	2507.5	Edge_1RB_Left	22.38	/	/	21.53	/	/	<=33.01	Pass
		Edge_1RB_Right	22.52	/	/	21.67	/	/	<=33.01	Pass
		Outer_Full	22.52	/	/	21.67	/	/	<=33.01	Pass
		Inner_Full	23.46	/	/	22.61	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	23.51	/	/	22.66	/	/	<=33.01	Pass
		Inner_1RB_Right	23.43	/	/	22.58	/	/	<=33.01	Pass
		Edge_1RB_Left	22.39	/	/	21.54	/	/	<=33.01	Pass
		Edge_1RB_Right	22.28	/	/	21.43	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2562.5	Outer_Full	22.41	/	/	21.56	/	/	<=33.01	Pass
		Inner_Full	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner_1RB_Left	23.30	/	/	22.45	/	/	<=33.01	Pass
		Inner_1RB_Right	23.33	/	/	22.48	/	/	<=33.01	Pass
	2507.5	Edge_1RB_Left	22.38	/	/	21.53	/	/	<=33.01	Pass
		Edge_1RB_Right	22.29	/	/	21.44	/	/	<=33.01	Pass
		Outer_Full	22.43	/	/	21.58	/	/	<=33.01	Pass
		Inner_Full	23.39	/	/	22.54	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	23.30	/	/	22.45	/	/	<=33.01	Pass
		Inner_1RB_Right	23.35	/	/	22.50	/	/	<=33.01	Pass
		Edge_1RB_Left	21.58	/	/	20.73	/	/	<=33.01	Pass
		Edge_1RB_Right	21.57	/	/	20.72	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2562.5	Outer_Full	21.34	/	/	20.49	/	/	<=33.01	Pass
		Inner_Full	22.62	/	/	21.77	/	/	<=33.01	Pass
		Inner_1RB_Left	22.63	/	/	21.78	/	/	<=33.01	Pass
		Inner_1RB_Right	22.64	/	/	21.79	/	/	<=33.01	Pass
	2507.5	Edge_1RB_Left	21.31	/	/	20.46	/	/	<=33.01	Pass
		Edge_1RB_Right	21.37	/	/	20.52	/	/	<=33.01	Pass
		Outer_Full	21.37	/	/	20.52	/	/	<=33.01	Pass
		Inner_Full	22.51	/	/	21.66	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	22.53	/	/	21.68	/	/	<=33.01	Pass
		Inner_1RB_Right	22.38	/	/	21.53	/	/	<=33.01	Pass
		Edge_1RB_Left	21.40	/	/	20.55	/	/	<=33.01	Pass
		Edge_1RB_Right	21.45	/	/	20.60	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2562.5	Outer_Full	21.23	/	/	20.38	/	/	<=33.01	Pass
		Inner_Full	22.36	/	/	21.51	/	/	<=33.01	Pass
		Inner_1RB_Left	22.39	/	/	21.54	/	/	<=33.01	Pass
		Inner_1RB_Right	22.52	/	/	21.67	/	/	<=33.01	Pass
	2507.5	Edge_1RB_Left	20.98	/	/	20.13	/	/	<=33.01	Pass
		Edge_1RB_Right	21.02	/	/	20.17	/	/	<=33.01	Pass
		Outer_Full	21.01	/	/	20.16	/	/	<=33.01	Pass
		Inner_Full	20.93	/	/	20.08	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	20.97	/	/	20.12	/	/	<=33.01	Pass
		Inner_1RB_Right	21.08	/	/	20.23	/	/	<=33.01	Pass
		Edge_1RB_Left	20.96	/	/	20.11	/	/	<=33.01	Pass
		Edge_1RB_Right	20.81	/	/	19.96	/	/	<=33.01	Pass
DFT-s-OFDM 1024 QAM	2562.5	Outer_Full	20.80	/	/	19.95	/	/	<=33.01	Pass
		Inner_Full	20.73	/	/	19.88	/	/	<=33.01	Pass
		Inner_1RB_Left	20.98	/	/	20.13	/	/	<=33.01	Pass
		Inner_1RB_Right	20.85	/	/	20.00	/	/	<=33.01	Pass
	2507.5	Edge_1RB_Left	20.96	/	/	20.11	/	/	<=33.01	Pass
		Edge_1RB_Right	20.96	/	/	20.11	/	/	<=33.01	Pass
		Outer_Full	20.96	/	/	20.11	/	/	<=33.01	Pass
		Inner_Full	20.96	/	/	20.11	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	20.96	/	/	20.11	/	/	<=33.01	Pass
		Inner_1RB_Right	20.96	/	/	20.11	/	/	<=33.01	Pass
		Edge_1RB_Left	20.96	/	/	20.11	/	/	<=33.01	Pass
		Edge_1RB_Right	20.96	/	/	20.11	/	/	<=33.01	Pass

		Edge_1RB_Right	20.86	/	/	20.01	/	/	<=33.01	Pass
		Outer_Full	20.77	/	/	19.92	/	/	<=33.01	Pass
		Inner_Full	20.70	/	/	19.85	/	/	<=33.01	Pass
		Inner_1RB_Left	20.93	/	/	20.08	/	/	<=33.01	Pass
		Inner_1RB_Right	20.86	/	/	20.01	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2507.5	Edge_1RB_Left	19.06	/	/	18.21	/	/	<=33.01	Pass
		Edge_1RB_Right	19.20	/	/	18.35	/	/	<=33.01	Pass
		Outer_Full	19.02	/	/	18.17	/	/	<=33.01	Pass
		Inner_Full	18.87	/	/	18.02	/	/	<=33.01	Pass
		Inner_1RB_Left	19.11	/	/	18.26	/	/	<=33.01	Pass
		Inner_1RB_Right	19.21	/	/	18.36	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.05	/	/	18.20	/	/	<=33.01	Pass
		Edge_1RB_Right	19.13	/	/	18.28	/	/	<=33.01	Pass
		Outer_Full	18.97	/	/	18.12	/	/	<=33.01	Pass
		Inner_Full	18.87	/	/	18.02	/	/	<=33.01	Pass
		Inner_1RB_Left	19.18	/	/	18.33	/	/	<=33.01	Pass
		Inner_1RB_Right	19.19	/	/	18.34	/	/	<=33.01	Pass
	2562.5	Edge_1RB_Left	18.95	/	/	18.10	/	/	<=33.01	Pass
		Edge_1RB_Right	19.00	/	/	18.15	/	/	<=33.01	Pass
		Outer_Full	18.98	/	/	18.13	/	/	<=33.01	Pass
		Inner_Full	18.74	/	/	17.89	/	/	<=33.01	Pass
		Inner_1RB_Left	18.97	/	/	18.12	/	/	<=33.01	Pass
		Inner_1RB_Right	19.03	/	/	18.18	/	/	<=33.01	Pass
CP-OFDM QPSK	2507.5	Edge_1RB_Left	20.17	/	/	19.32	/	/	<=33.01	Pass
		Edge_1RB_Right	20.27	/	/	19.42	/	/	<=33.01	Pass
		Outer_Full	20.44	/	/	19.59	/	/	<=33.01	Pass
		Inner_Full	21.98	/	/	21.13	/	/	<=33.01	Pass
		Inner_1RB_Left	21.97	/	/	21.12	/	/	<=33.01	Pass
		Inner_1RB_Right	22.03	/	/	21.18	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.05	/	/	19.20	/	/	<=33.01	Pass
		Edge_1RB_Right	20.08	/	/	19.23	/	/	<=33.01	Pass
		Outer_Full	20.40	/	/	19.55	/	/	<=33.01	Pass
		Inner_Full	21.86	/	/	21.01	/	/	<=33.01	Pass
		Inner_1RB_Left	21.86	/	/	21.01	/	/	<=33.01	Pass
		Inner_1RB_Right	21.87	/	/	21.02	/	/	<=33.01	Pass
	2562.5	Edge_1RB_Left	20.04	/	/	19.19	/	/	<=33.01	Pass
		Edge_1RB_Right	20.09	/	/	19.24	/	/	<=33.01	Pass
		Outer_Full	20.36	/	/	19.51	/	/	<=33.01	Pass
		Inner_Full	21.83	/	/	20.98	/	/	<=33.01	Pass
		Inner_1RB_Left	21.70	/	/	20.85	/	/	<=33.01	Pass
		Inner_1RB_Right	21.69	/	/	20.84	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2507.5	Edge_1RB_Left	20.57	/	/	19.72	/	/	<=33.01	Pass
		Edge_1RB_Right	20.52	/	/	19.67	/	/	<=33.01	Pass
		Outer_Full	20.50	/	/	19.65	/	/	<=33.01	Pass
		Inner_Full	21.42	/	/	20.57	/	/	<=33.01	Pass
		Inner_1RB_Left	21.61	/	/	20.76	/	/	<=33.01	Pass
		Inner_1RB_Right	21.68	/	/	20.83	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.56	/	/	19.71	/	/	<=33.01	Pass
		Edge_1RB_Right	20.51	/	/	19.66	/	/	<=33.01	Pass
		Outer_Full	20.49	/	/	19.64	/	/	<=33.01	Pass
		Inner_Full	21.34	/	/	20.49	/	/	<=33.01	Pass
		Inner_1RB_Left	21.77	/	/	20.92	/	/	<=33.01	Pass
		Inner_1RB_Right	21.56	/	/	20.71	/	/	<=33.01	Pass

	2562.5	Edge_1RB_Left	20.46	/	/	19.61	/	/	<=33.01	Pass
		Edge_1RB_Right	20.37	/	/	19.52	/	/	<=33.01	Pass
		Outer_Full	20.44	/	/	19.59	/	/	<=33.01	Pass
		Inner_Full	21.29	/	/	20.43	/	/	<=33.01	Pass
		Inner_1RB_Left	21.42	/	/	20.57	/	/	<=33.01	Pass
		Inner_1RB_Right	21.47	/	/	20.62	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2507.5	Edge_1RB_Left	19.95	/	/	19.10	/	/	<=33.01	Pass
		Edge_1RB_Right	20.04	/	/	19.19	/	/	<=33.01	Pass
		Outer_Full	20.05	/	/	19.20	/	/	<=33.01	Pass
		Inner_Full	19.88	/	/	19.03	/	/	<=33.01	Pass
		Inner_1RB_Left	20.14	/	/	19.29	/	/	<=33.01	Pass
		Inner_1RB_Right	20.23	/	/	19.38	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.00	/	/	19.15	/	/	<=33.01	Pass
		Edge_1RB_Right	19.99	/	/	19.14	/	/	<=33.01	Pass
		Outer_Full	20.04	/	/	19.19	/	/	<=33.01	Pass
		Inner_Full	19.80	/	/	18.95	/	/	<=33.01	Pass
		Inner_1RB_Left	20.05	/	/	19.20	/	/	<=33.01	Pass
		Inner_1RB_Right	20.10	/	/	19.25	/	/	<=33.01	Pass
	2562.5	Edge_1RB_Left	19.84	/	/	18.99	/	/	<=33.01	Pass
		Edge_1RB_Right	19.91	/	/	19.06	/	/	<=33.01	Pass
		Outer_Full	19.91	/	/	19.06	/	/	<=33.01	Pass
		Inner_Full	19.86	/	/	19.01	/	/	<=33.01	Pass
		Inner_1RB_Left	19.93	/	/	19.08	/	/	<=33.01	Pass
		Inner_1RB_Right	20.04	/	/	19.19	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2507.5	Edge_1RB_Left	17.02	/	/	16.17	/	/	<=33.01	Pass
		Edge_1RB_Right	17.13	/	/	16.28	/	/	<=33.01	Pass
		Outer_Full	16.94	/	/	16.09	/	/	<=33.01	Pass
		Inner_Full	17.04	/	/	16.19	/	/	<=33.01	Pass
		Inner_1RB_Left	16.96	/	/	16.11	/	/	<=33.01	Pass
		Inner_1RB_Right	17.57	/	/	16.72	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	17.16	/	/	16.31	/	/	<=33.01	Pass
		Edge_1RB_Right	17.16	/	/	16.31	/	/	<=33.01	Pass
		Outer_Full	16.91	/	/	16.06	/	/	<=33.01	Pass
		Inner_Full	16.85	/	/	16.00	/	/	<=33.01	Pass
		Inner_1RB_Left	17.09	/	/	16.24	/	/	<=33.01	Pass
		Inner_1RB_Right	17.01	/	/	16.16	/	/	<=33.01	Pass
	2562.5	Edge_1RB_Left	16.88	/	/	16.03	/	/	<=33.01	Pass
		Edge_1RB_Right	16.79	/	/	15.94	/	/	<=33.01	Pass
		Outer_Full	17.01	/	/	16.16	/	/	<=33.01	Pass
		Inner_Full	16.81	/	/	15.96	/	/	<=33.01	Pass
		Inner_1RB_Left	16.93	/	/	16.08	/	/	<=33.01	Pass
		Inner_1RB_Right	17.03	/	/	16.18	/	/	<=33.01	Pass
Note1: Antenna Gain: Ant4: -0.85dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15_S_20M_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	2510	Edge_1RB_Left	22.90	/	/	22.05	/	/	<=33.01	Pass

BPSK		Edge_1RB_Right	22.89	/	/	22.05	/	/	<=33.01	Pass
		Outer_Full	23.13	/	/	22.28	/	/	<=33.01	Pass
		Inner_Full	23.49	/	/	22.64	/	/	<=33.01	Pass
		Inner_1RB_Left	23.41	/	/	22.56	/	/	<=33.01	Pass
	2535	Inner_1RB_Right	23.43	/	/	22.58	/	/	<=33.01	Pass
		Edge_1RB_Left	22.76	/	/	21.91	/	/	<=33.01	Pass
		Edge_1RB_Right	22.96	/	/	22.11	/	/	<=33.01	Pass
		Outer_Full	22.91	/	/	22.06	/	/	<=33.01	Pass
	2560	Inner_Full	23.43	/	/	22.58	/	/	<=33.01	Pass
		Inner_1RB_Left	23.40	/	/	22.55	/	/	<=33.01	Pass
		Inner_1RB_Right	23.29	/	/	22.44	/	/	<=33.01	Pass
		Edge_1RB_Left	22.80	/	/	21.95	/	/	<=33.01	Pass
	2560	Edge_1RB_Right	22.83	/	/	21.98	/	/	<=33.01	Pass
		Outer_Full	22.92	/	/	22.07	/	/	<=33.01	Pass
		Inner_Full	23.30	/	/	22.45	/	/	<=33.01	Pass
		Inner_1RB_Left	23.29	/	/	22.44	/	/	<=33.01	Pass
		Inner_1RB_Right	23.35	/	/	22.50	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2510	Edge_1RB_Left	22.34	/	/	21.49	/	/	<=33.01	Pass
		Edge_1RB_Right	22.43	/	/	21.58	/	/	<=33.01	Pass
		Outer_Full	22.62	/	/	21.77	/	/	<=33.01	Pass
		Inner_Full	23.45	/	/	22.60	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	23.38	/	/	22.53	/	/	<=33.01	Pass
		Inner_1RB_Right	23.30	/	/	22.45	/	/	<=33.01	Pass
		Edge_1RB_Left	22.50	/	/	21.65	/	/	<=33.01	Pass
		Edge_1RB_Right	22.47	/	/	21.62	/	/	<=33.01	Pass
	2560	Outer_Full	22.41	/	/	21.56	/	/	<=33.01	Pass
		Inner_Full	23.43	/	/	22.58	/	/	<=33.01	Pass
		Inner_1RB_Left	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner_1RB_Right	23.42	/	/	22.57	/	/	<=33.01	Pass
	2560	Edge_1RB_Left	22.34	/	/	21.49	/	/	<=33.01	Pass
		Edge_1RB_Right	22.40	/	/	21.55	/	/	<=33.01	Pass
		Outer_Full	22.41	/	/	21.56	/	/	<=33.01	Pass
		Inner_Full	23.39	/	/	22.54	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2510	Inner_1RB_Left	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner_1RB_Right	23.42	/	/	22.57	/	/	<=33.01	Pass
		Edge_1RB_Left	22.34	/	/	21.49	/	/	<=33.01	Pass
		Edge_1RB_Right	22.40	/	/	21.55	/	/	<=33.01	Pass
	2535	Outer_Full	22.41	/	/	21.56	/	/	<=33.01	Pass
		Inner_Full	23.39	/	/	22.54	/	/	<=33.01	Pass
		Inner_1RB_Left	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner_1RB_Right	23.42	/	/	22.57	/	/	<=33.01	Pass
	2560	Edge_1RB_Left	22.34	/	/	21.49	/	/	<=33.01	Pass
		Edge_1RB_Right	22.40	/	/	21.55	/	/	<=33.01	Pass
		Outer_Full	22.41	/	/	21.56	/	/	<=33.01	Pass
		Inner_Full	23.39	/	/	22.54	/	/	<=33.01	Pass
	2560	Inner_1RB_Left	23.44	/	/	22.59	/	/	<=33.01	Pass
		Inner_1RB_Right	23.42	/	/	22.57	/	/	<=33.01	Pass
		Edge_1RB_Left	21.42	/	/	20.57	/	/	<=33.01	Pass
		Edge_1RB_Right	21.36	/	/	20.51	/	/	<=33.01	Pass
	2535	Outer_Full	21.46	/	/	20.61	/	/	<=33.01	Pass
		Inner_Full	22.52	/	/	21.67	/	/	<=33.01	Pass
		Inner_1RB_Left	22.64	/	/	21.79	/	/	<=33.01	Pass
		Inner_1RB_Right	22.52	/	/	21.67	/	/	<=33.01	Pass
	2560	Edge_1RB_Left	21.55	/	/	20.70	/	/	<=33.01	Pass
		Edge_1RB_Right	21.56	/	/	20.71	/	/	<=33.01	Pass
		Outer_Full	21.45	/	/	20.60	/	/	<=33.01	Pass
		Inner_Full	22.41	/	/	21.56	/	/	<=33.01	Pass
	2560	Inner_1RB_Left	22.56	/	/	21.71	/	/	<=33.01	Pass
		Inner_1RB_Right	22.49	/	/	21.64	/	/	<=33.01	Pass
		Edge_1RB_Left	21.61	/	/	20.76	/	/	<=33.01	Pass
		Edge_1RB_Right	21.47	/	/	20.62	/	/	<=33.01	Pass
	2560	Outer_Full	21.36	/	/	20.51	/	/	<=33.01	Pass
		Inner_Full	22.26	/	/	21.41	/	/	<=33.01	Pass
		Inner_1RB_Left	22.69	/	/	21.84	/	/	<=33.01	Pass
		Inner_1RB_Right	22.51	/	/	21.66	/	/	<=33.01	Pass

DFT-s-OFDM 64 QAM	2510	Edge_1RB_Left	21.04	/	/	20.19	/	/	<=33.01	Pass
		Edge_1RB_Right	21.04	/	/	20.19	/	/	<=33.01	Pass
		Outer_Full	21.00	/	/	20.15	/	/	<=33.01	Pass
		Inner_Full	21.02	/	/	20.17	/	/	<=33.01	Pass
		Inner_1RB_Left	21.11	/	/	20.26	/	/	<=33.01	Pass
		Inner_1RB_Right	21.08	/	/	20.23	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	21.14	/	/	20.29	/	/	<=33.01	Pass
		Edge_1RB_Right	20.91	/	/	20.06	/	/	<=33.01	Pass
		Outer_Full	20.83	/	/	19.98	/	/	<=33.01	Pass
		Inner_Full	20.86	/	/	20.01	/	/	<=33.01	Pass
		Inner_1RB_Left	20.94	/	/	20.09	/	/	<=33.01	Pass
		Inner_1RB_Right	20.85	/	/	20.00	/	/	<=33.01	Pass
	2560	Edge_1RB_Left	20.83	/	/	19.98	/	/	<=33.01	Pass
		Edge_1RB_Right	20.88	/	/	20.03	/	/	<=33.01	Pass
		Outer_Full	20.83	/	/	19.98	/	/	<=33.01	Pass
		Inner_Full	20.86	/	/	20.01	/	/	<=33.01	Pass
		Inner_1RB_Left	20.88	/	/	20.03	/	/	<=33.01	Pass
		Inner_1RB_Right	20.93	/	/	20.08	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2510	Edge_1RB_Left	19.49	/	/	18.64	/	/	<=33.01	Pass
		Edge_1RB_Right	19.20	/	/	18.35	/	/	<=33.01	Pass
		Outer_Full	18.86	/	/	18.01	/	/	<=33.01	Pass
		Inner_Full	18.85	/	/	18.00	/	/	<=33.01	Pass
		Inner_1RB_Left	19.03	/	/	18.18	/	/	<=33.01	Pass
		Inner_1RB_Right	19.22	/	/	18.37	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.04	/	/	18.19	/	/	<=33.01	Pass
		Edge_1RB_Right	19.08	/	/	18.23	/	/	<=33.01	Pass
		Outer_Full	18.93	/	/	18.08	/	/	<=33.01	Pass
		Inner_Full	18.86	/	/	18.01	/	/	<=33.01	Pass
		Inner_1RB_Left	19.00	/	/	18.15	/	/	<=33.01	Pass
		Inner_1RB_Right	19.09	/	/	18.24	/	/	<=33.01	Pass
	2560	Edge_1RB_Left	18.95	/	/	18.10	/	/	<=33.01	Pass
		Edge_1RB_Right	19.01	/	/	18.16	/	/	<=33.01	Pass
		Outer_Full	18.76	/	/	17.91	/	/	<=33.01	Pass
		Inner_Full	18.85	/	/	18.00	/	/	<=33.01	Pass
		Inner_1RB_Left	19.16	/	/	18.31	/	/	<=33.01	Pass
		Inner_1RB_Right	19.05	/	/	18.20	/	/	<=33.01	Pass
CP-OFDM QPSK	2510	Edge_1RB_Left	20.23	/	/	19.38	/	/	<=33.01	Pass
		Edge_1RB_Right	20.36	/	/	19.51	/	/	<=33.01	Pass
		Outer_Full	20.59	/	/	19.74	/	/	<=33.01	Pass
		Inner_Full	22.12	/	/	21.27	/	/	<=33.01	Pass
		Inner_1RB_Left	22.02	/	/	21.17	/	/	<=33.01	Pass
		Inner_1RB_Right	22.01	/	/	21.16	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.16	/	/	19.31	/	/	<=33.01	Pass
		Edge_1RB_Right	20.00	/	/	19.15	/	/	<=33.01	Pass
		Outer_Full	20.37	/	/	19.52	/	/	<=33.01	Pass
		Inner_Full	21.99	/	/	21.14	/	/	<=33.01	Pass
		Inner_1RB_Left	21.91	/	/	21.06	/	/	<=33.01	Pass
		Inner_1RB_Right	22.00	/	/	21.15	/	/	<=33.01	Pass
	2560	Edge_1RB_Left	20.04	/	/	19.19	/	/	<=33.01	Pass
		Edge_1RB_Right	20.13	/	/	19.28	/	/	<=33.01	Pass
		Outer_Full	20.40	/	/	19.55	/	/	<=33.01	Pass
		Inner_Full	21.79	/	/	20.94	/	/	<=33.01	Pass
		Inner_1RB_Left	21.84	/	/	20.99	/	/	<=33.01	Pass

		Inner 1RB Right	21.76	/	/	20.91	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2510	Edge 1RB Left	20.72	/	/	19.87	/	/	<=33.01	Pass
		Edge 1RB Right	20.68	/	/	19.83	/	/	<=33.01	Pass
		Outer Full	20.44	/	/	19.59	/	/	<=33.01	Pass
		Inner Full	21.50	/	/	20.65	/	/	<=33.01	Pass
		Inner 1RB Left	21.45	/	/	20.60	/	/	<=33.01	Pass
		Inner 1RB Right	21.55	/	/	20.71	/	/	<=33.01	Pass
	2535	Edge 1RB Left	20.60	/	/	19.75	/	/	<=33.01	Pass
		Edge 1RB Right	20.54	/	/	19.68	/	/	<=33.01	Pass
		Outer Full	20.32	/	/	19.47	/	/	<=33.01	Pass
		Inner Full	21.40	/	/	20.55	/	/	<=33.01	Pass
		Inner 1RB Left	21.44	/	/	20.59	/	/	<=33.01	Pass
		Inner 1RB Right	21.41	/	/	20.56	/	/	<=33.01	Pass
	2560	Edge 1RB Left	20.33	/	/	19.48	/	/	<=33.01	Pass
		Edge 1RB Right	20.52	/	/	19.67	/	/	<=33.01	Pass
		Outer Full	20.23	/	/	19.38	/	/	<=33.01	Pass
		Inner Full	21.32	/	/	20.47	/	/	<=33.01	Pass
		Inner 1RB Left	21.41	/	/	20.56	/	/	<=33.01	Pass
		Inner 1RB Right	21.56	/	/	20.71	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2510	Edge 1RB Left	19.83	/	/	18.98	/	/	<=33.01	Pass
		Edge 1RB Right	20.04	/	/	19.18	/	/	<=33.01	Pass
		Outer Full	20.03	/	/	19.18	/	/	<=33.01	Pass
		Inner Full	19.93	/	/	19.08	/	/	<=33.01	Pass
		Inner 1RB Left	19.88	/	/	19.03	/	/	<=33.01	Pass
		Inner 1RB Right	19.97	/	/	19.12	/	/	<=33.01	Pass
	2535	Edge 1RB Left	19.88	/	/	19.03	/	/	<=33.01	Pass
		Edge 1RB Right	20.14	/	/	19.29	/	/	<=33.01	Pass
		Outer Full	19.91	/	/	19.06	/	/	<=33.01	Pass
		Inner Full	19.83	/	/	18.98	/	/	<=33.01	Pass
		Inner 1RB Left	19.77	/	/	18.92	/	/	<=33.01	Pass
		Inner 1RB Right	19.92	/	/	19.07	/	/	<=33.01	Pass
	2560	Edge 1RB Left	20.00	/	/	19.15	/	/	<=33.01	Pass
		Edge 1RB Right	20.01	/	/	19.16	/	/	<=33.01	Pass
		Outer Full	19.84	/	/	18.99	/	/	<=33.01	Pass
		Inner Full	19.81	/	/	18.96	/	/	<=33.01	Pass
		Inner 1RB Left	19.92	/	/	19.07	/	/	<=33.01	Pass
		Inner 1RB Right	20.08	/	/	19.23	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2510	Edge 1RB Left	17.11	/	/	16.26	/	/	<=33.01	Pass
		Edge 1RB Right	17.18	/	/	16.33	/	/	<=33.01	Pass
		Outer Full	17.02	/	/	16.17	/	/	<=33.01	Pass
		Inner Full	17.05	/	/	16.20	/	/	<=33.01	Pass
		Inner 1RB Left	17.13	/	/	16.28	/	/	<=33.01	Pass
		Inner 1RB Right	17.15	/	/	16.30	/	/	<=33.01	Pass
	2535	Edge 1RB Left	17.02	/	/	16.17	/	/	<=33.01	Pass
		Edge 1RB Right	17.04	/	/	16.19	/	/	<=33.01	Pass
		Outer Full	16.89	/	/	16.04	/	/	<=33.01	Pass
		Inner Full	17.00	/	/	16.15	/	/	<=33.01	Pass
		Inner 1RB Left	17.02	/	/	16.17	/	/	<=33.01	Pass
		Inner 1RB Right	17.28	/	/	16.43	/	/	<=33.01	Pass
	2560	Edge 1RB Left	16.93	/	/	16.08	/	/	<=33.01	Pass
		Edge 1RB Right	16.76	/	/	15.91	/	/	<=33.01	Pass
		Outer Full	16.91	/	/	16.06	/	/	<=33.01	Pass
		Inner Full	17.03	/	/	16.18	/	/	<=33.01	Pass



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		Inner_1RB_Left	16.70	/	/	15.85	/	/	<=33.01	Pass
		Inner_1RB_Right	16.78	/	/	15.93	/	/	<=33.01	Pass
Note1: Antenna Gain: Ant4: -0.85dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15_S_20M

5G NR n7 SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	2535	Outer_Full	20	LV	-5.76	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-9.40	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-8.81	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-9.93	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-9.78	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-4.62	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.36	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.22	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-8.15	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-5.12	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-3.69	-0.0015	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15_S_5M_NTNV

5G NR n7 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2535	Outer_Full	4.53	4.96	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	4.50	5.20	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	4.50	5.21	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	4.54	5.28	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	4.52	5.40	/	Pass
CP-OFDM QPSK	2535	Outer_Full	4.51	5.38	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	4.51	5.25	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	4.51	5.25	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	4.53	5.44	/	Pass

3.1.2 15_S_10M_NTNV

5G NR n7 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2535	Outer_Full	8.96	9.67	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	8.95	9.80	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	8.96	9.56	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	8.95	9.56	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	8.95	9.74	/	Pass
CP-OFDM QPSK	2535	Outer_Full	9.31	10.20	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	9.31	10.14	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	9.34	10.18	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	9.34	10.24	/	Pass

3.1.3 15_S_15M_NTNV

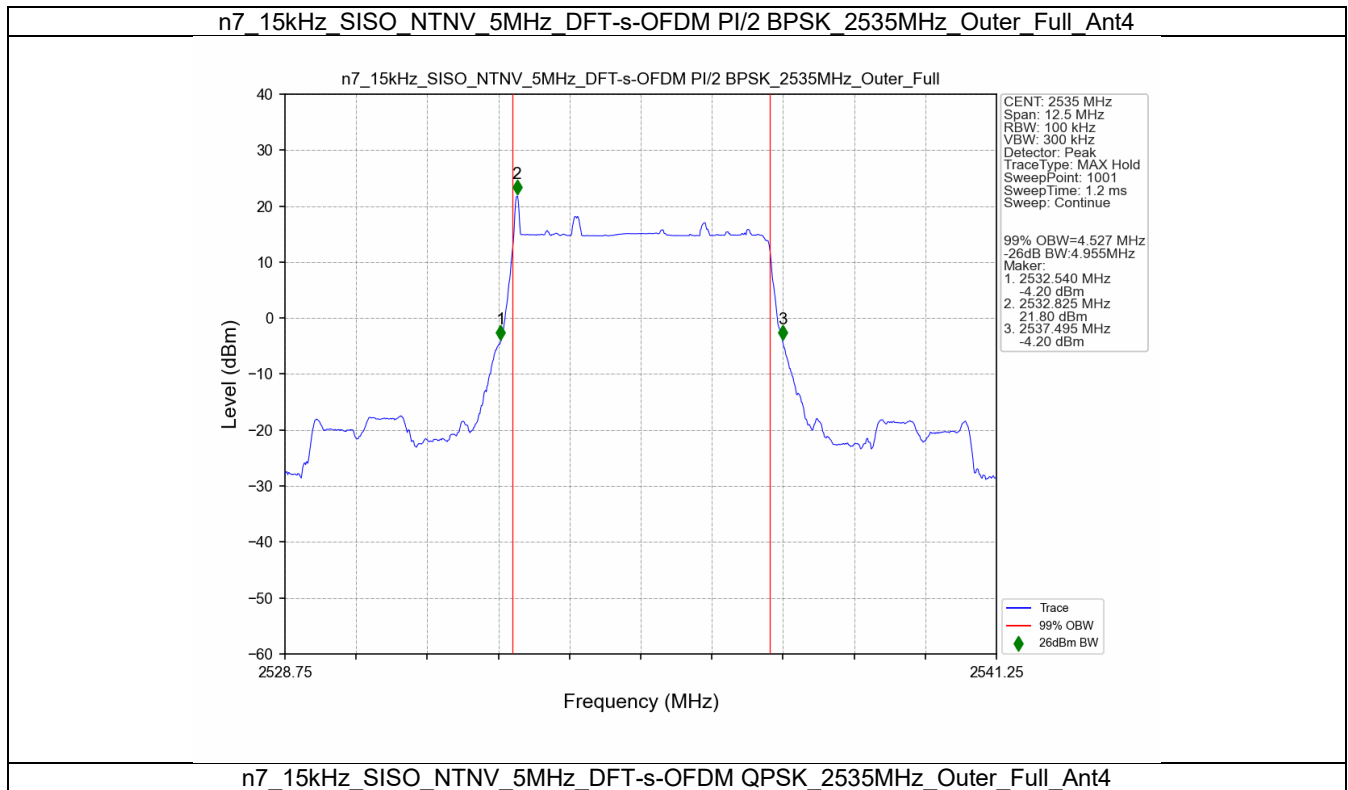
5G NR n7 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2535	Outer_Full	13.45	14.49	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	13.44	14.37	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	13.50	14.46	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	13.47	14.45	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	13.47	14.32	/	Pass
CP-OFDM QPSK	2535	Outer_Full	14.16	15.25	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	14.16	15.13	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	14.15	15.27	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	14.18	15.02	/	Pass

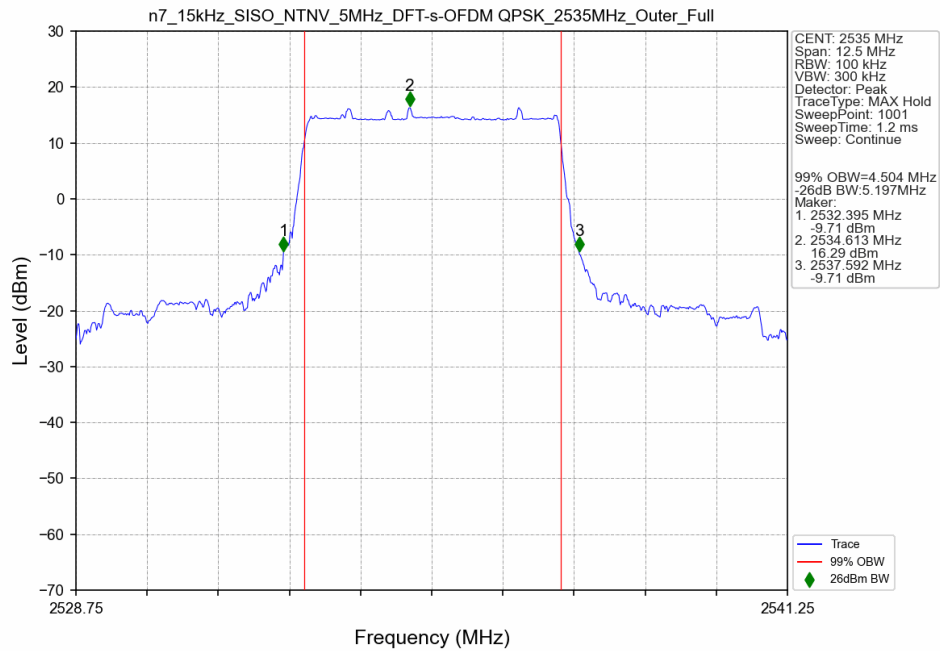
3.1.4 15_S_20M_NTNV

5G NR n7 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2535	Outer_Full	17.93	19.15	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	17.91	18.83	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	17.97	18.97	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	17.95	18.85	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	17.92	18.98	/	Pass
CP-OFDM QPSK	2535	Outer_Full	18.98	19.85	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	19.00	20.10	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	19.01	20.14	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	18.99	20.10	/	Pass

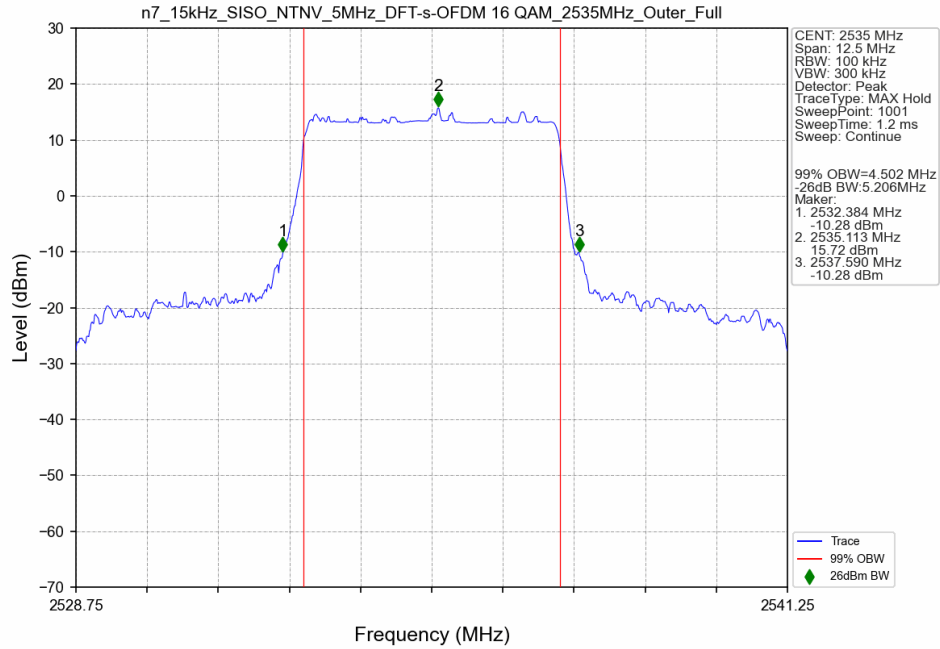
3.2 Test Graph

3.2.1 15_S_5M_NTNV

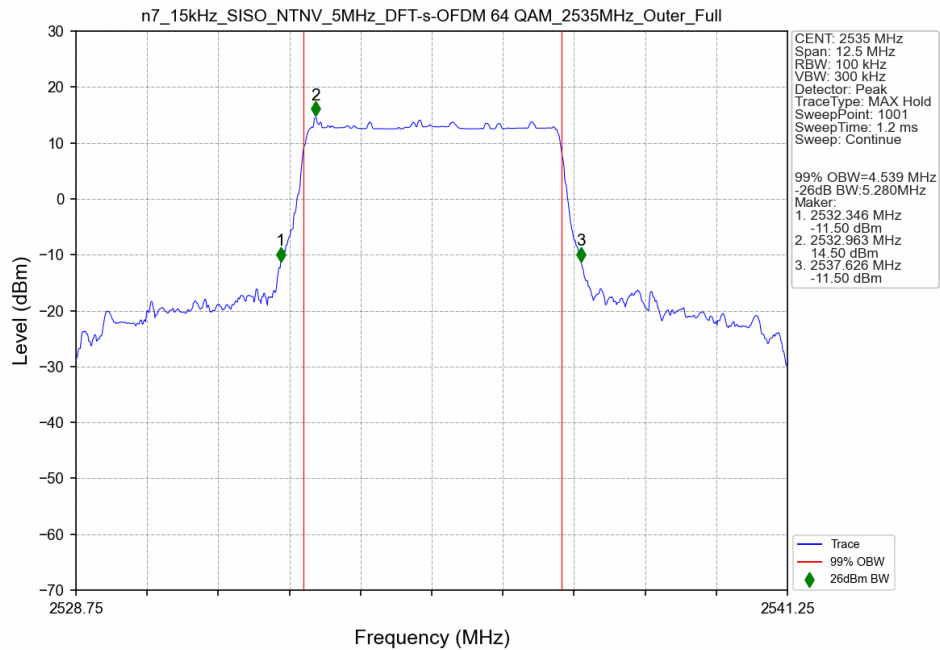




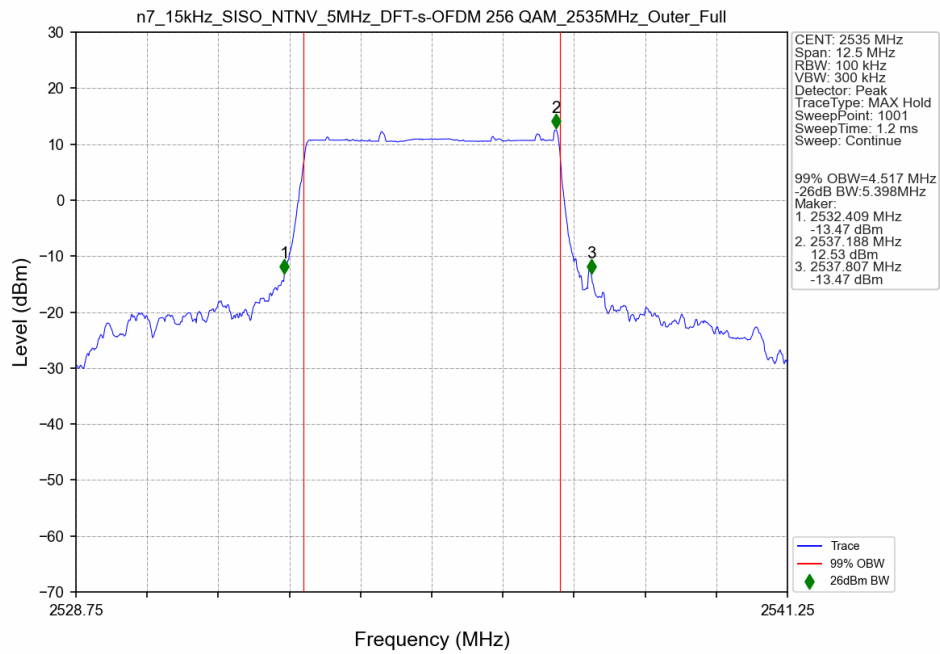
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_2535MHz_Outer_Full_Ant4



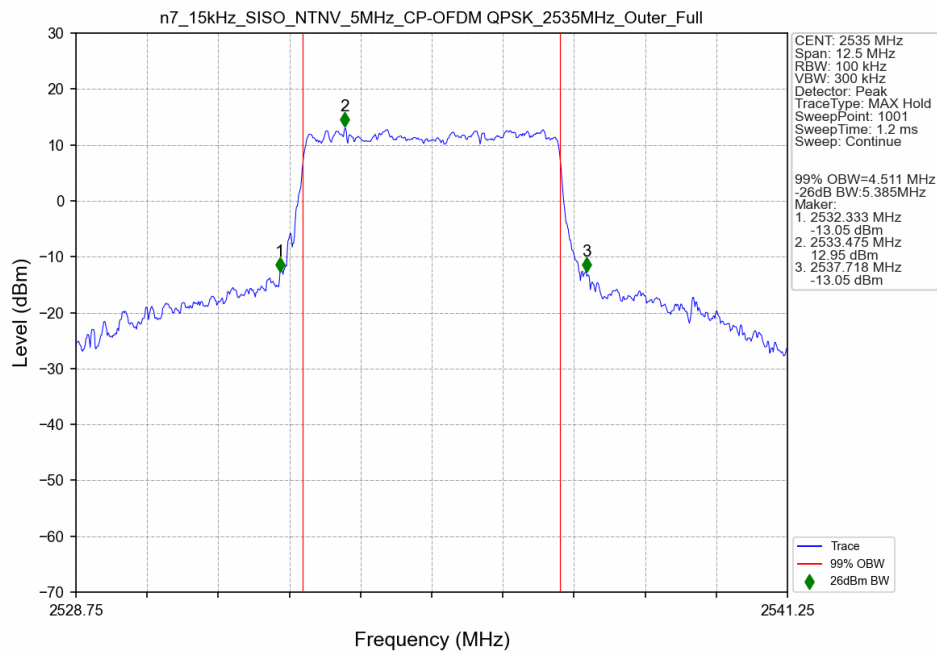
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full_Ant4



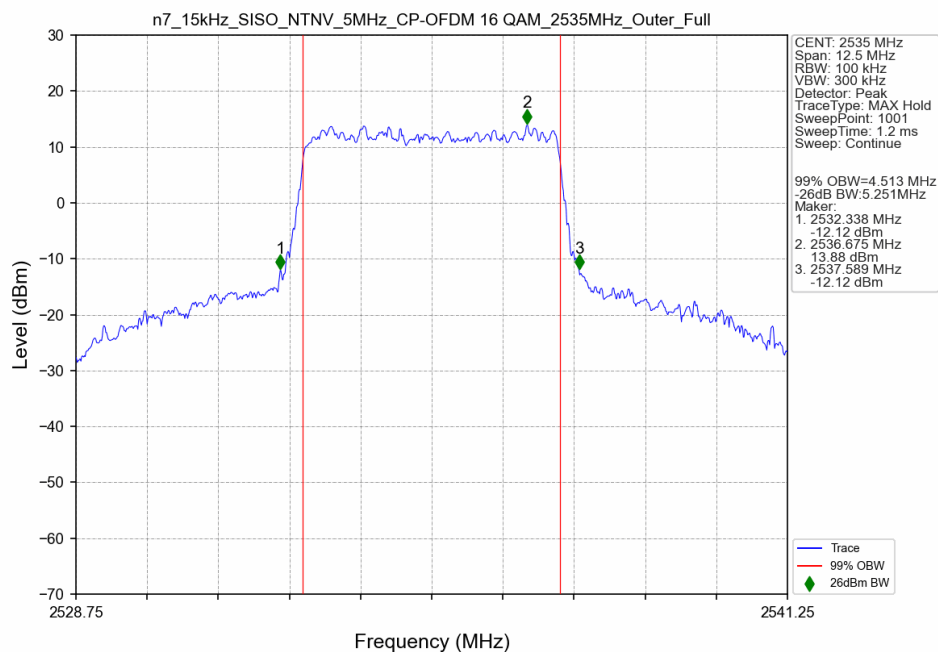
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant4



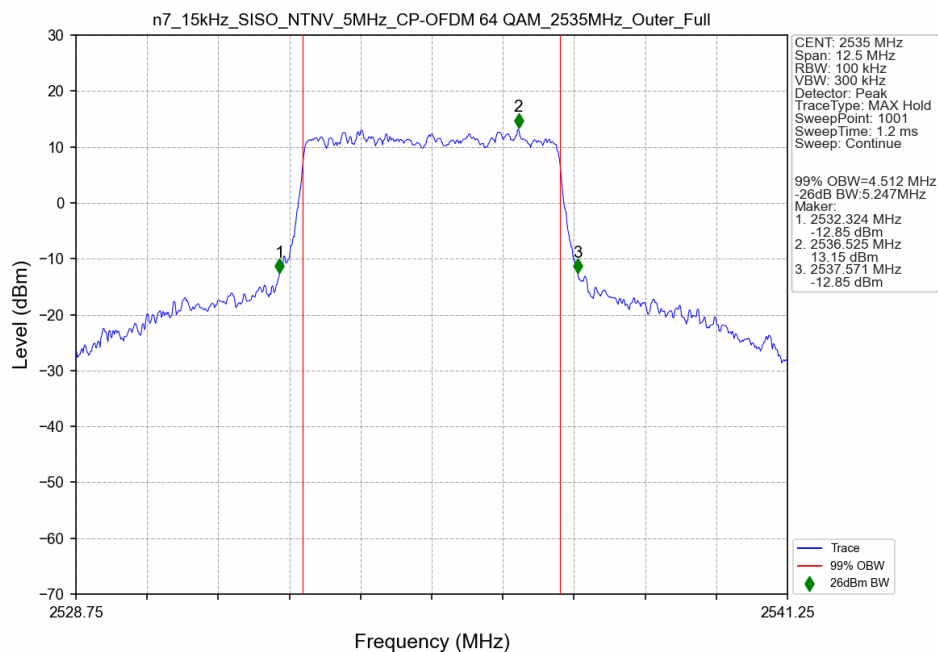
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant4



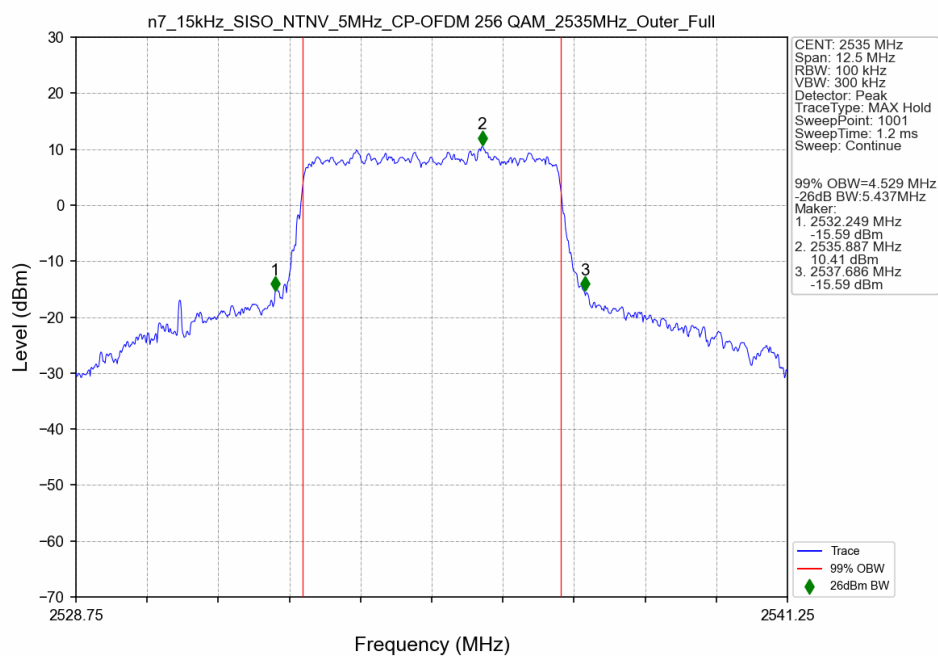
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant4



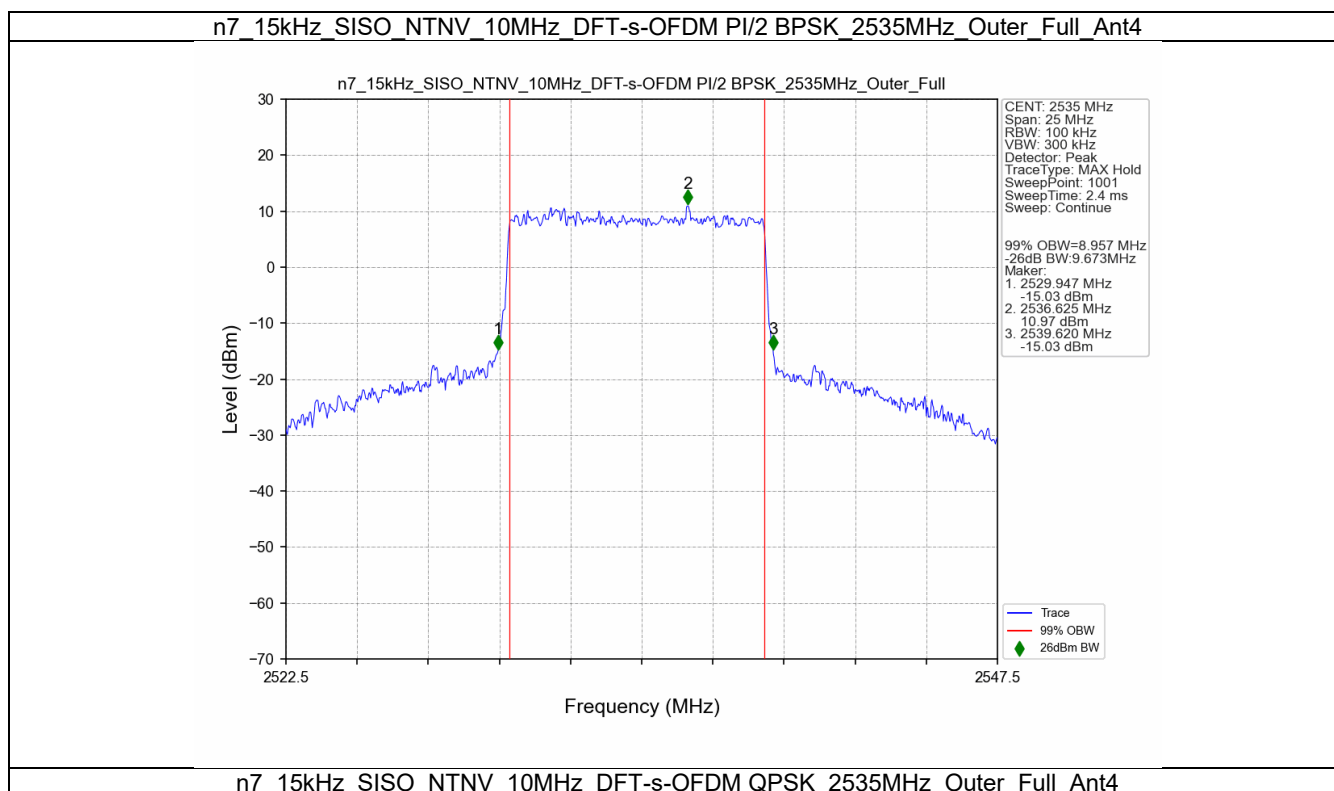
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant4

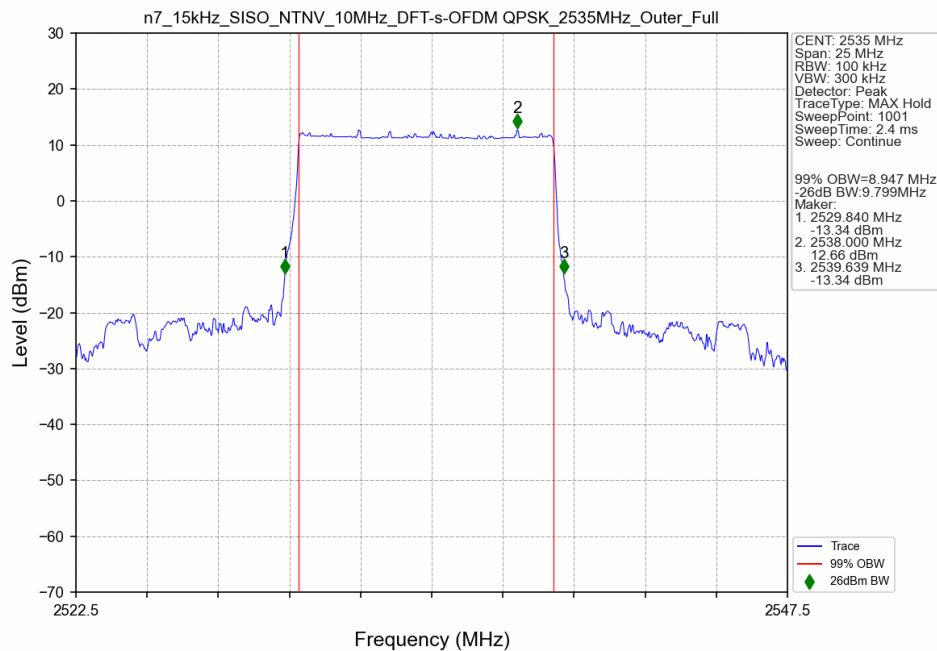


n7_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM 2535MHz_Outer_Full_Ant4

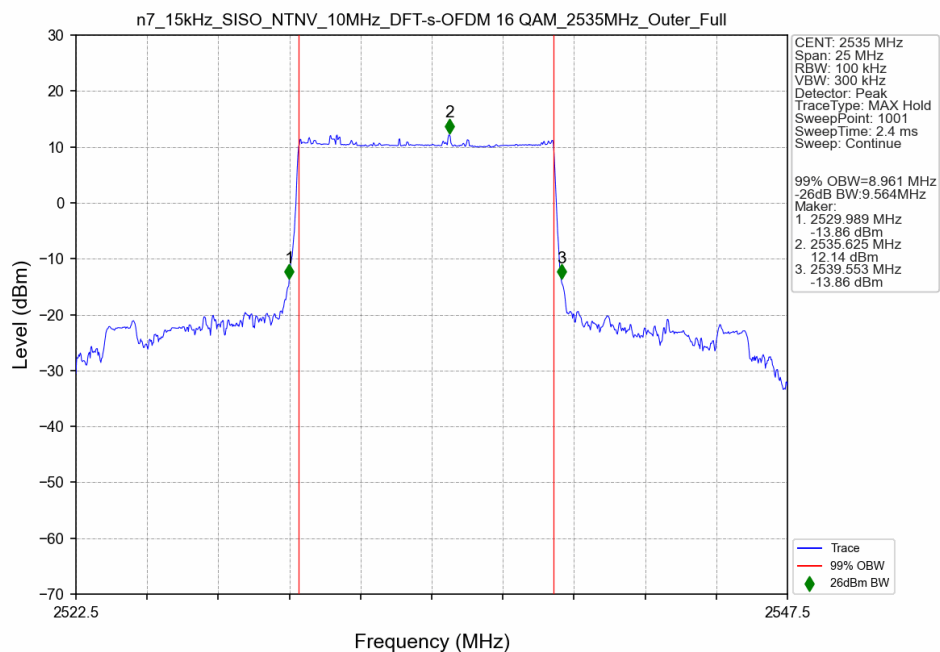


3.2.2 15_S_10M_NTNV

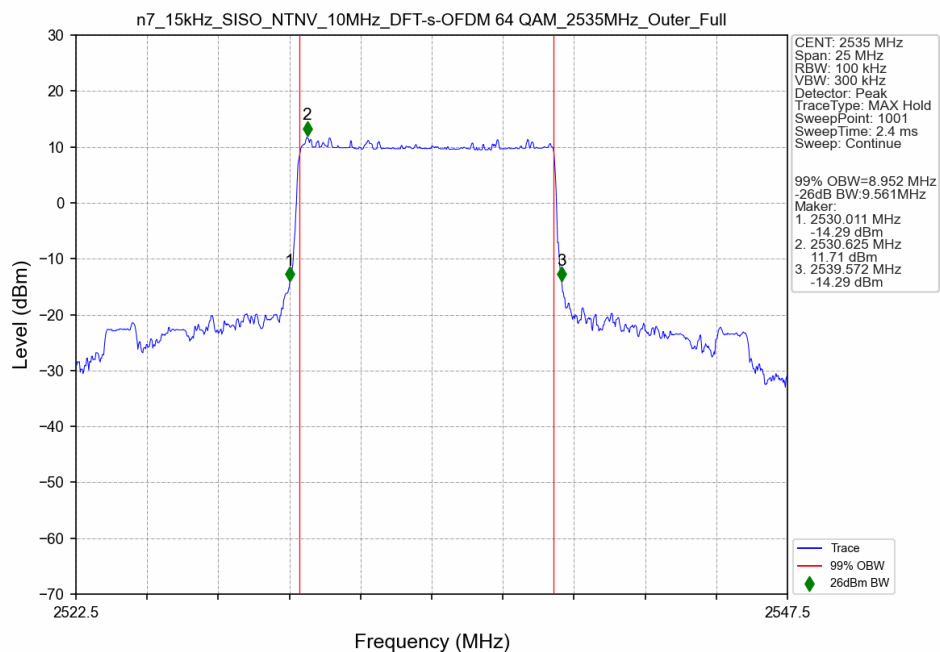




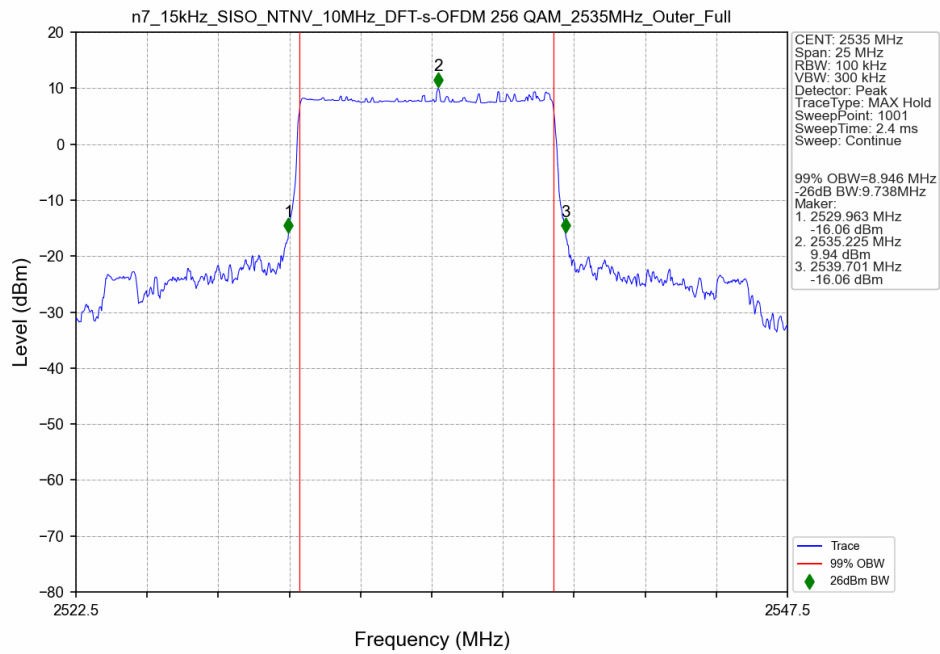
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM 2535MHz_Outer_Full_Ant4



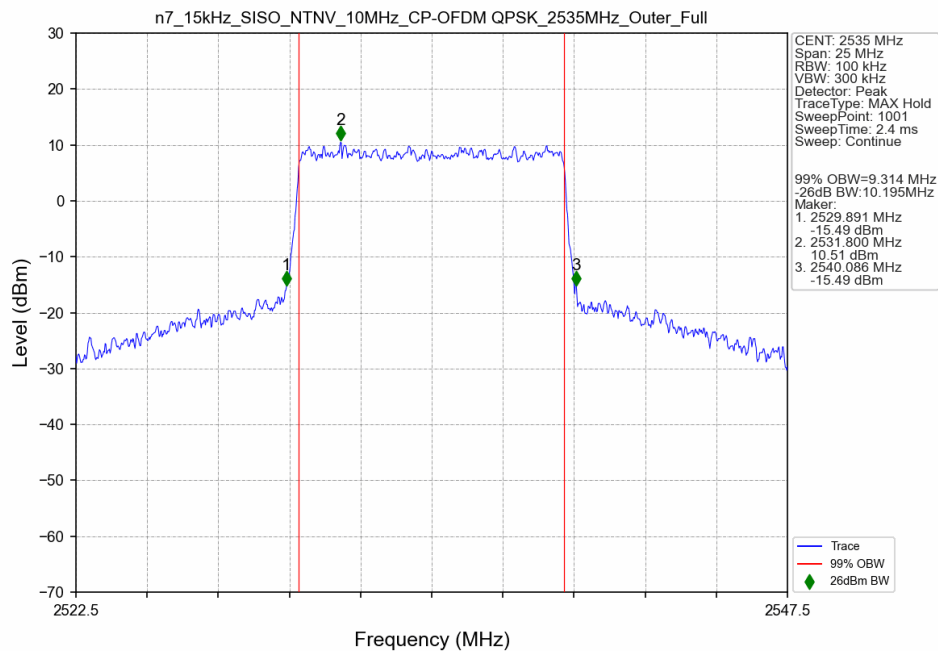
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM 2535MHz_Outer_Full_Ant4



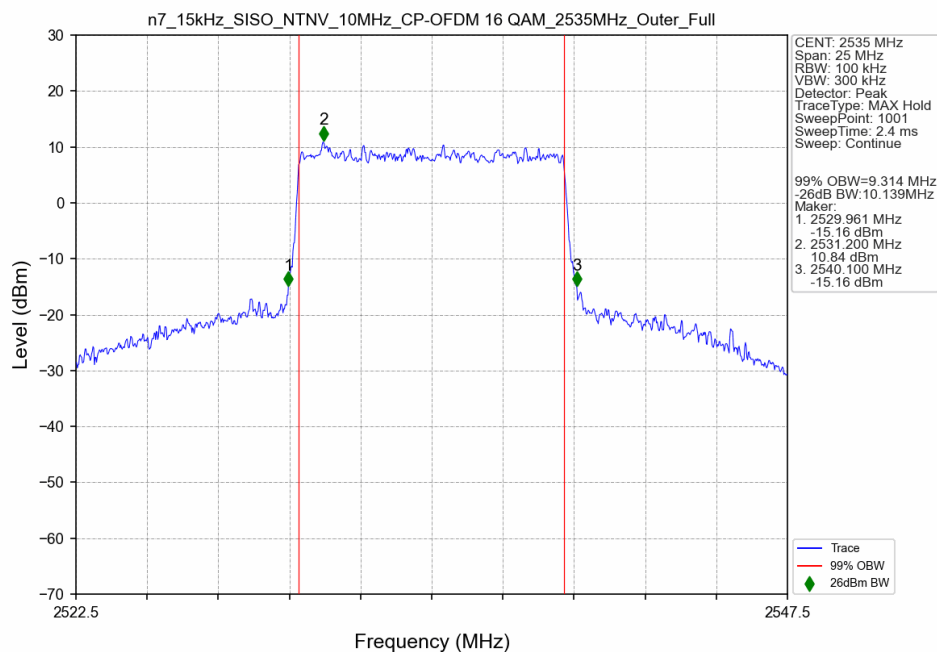
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant4



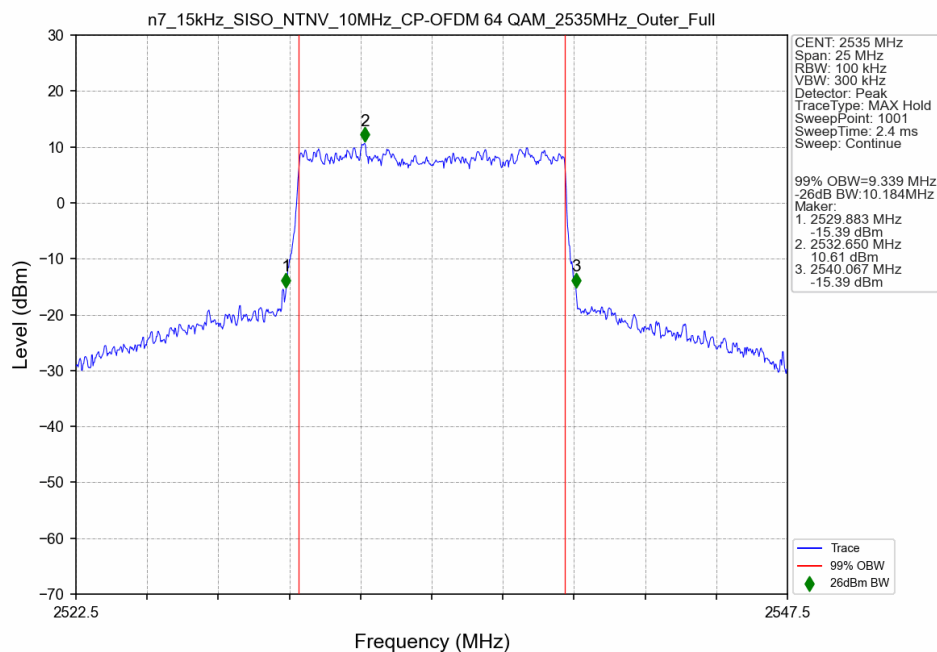
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant4



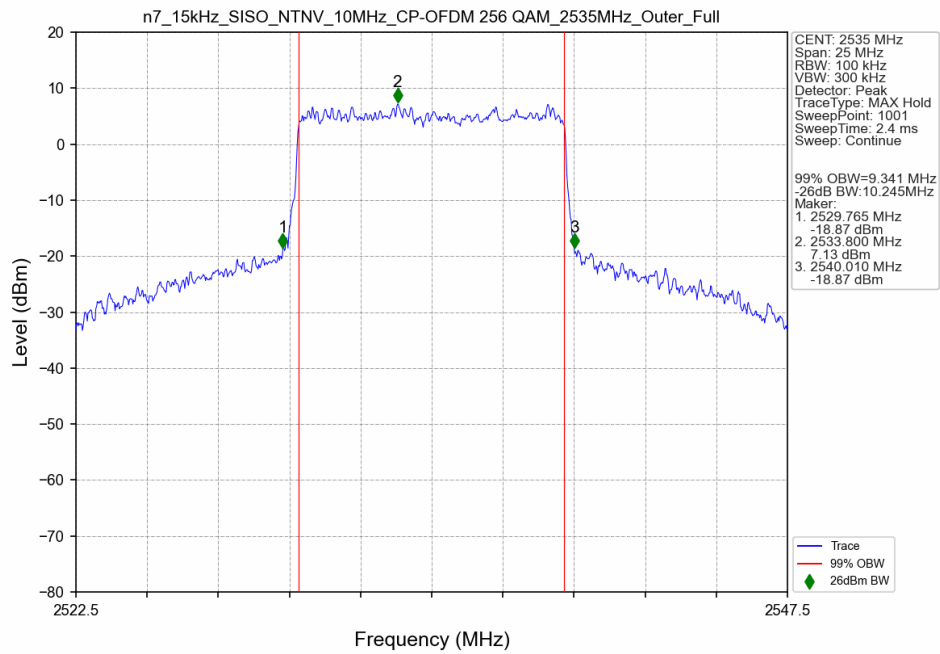
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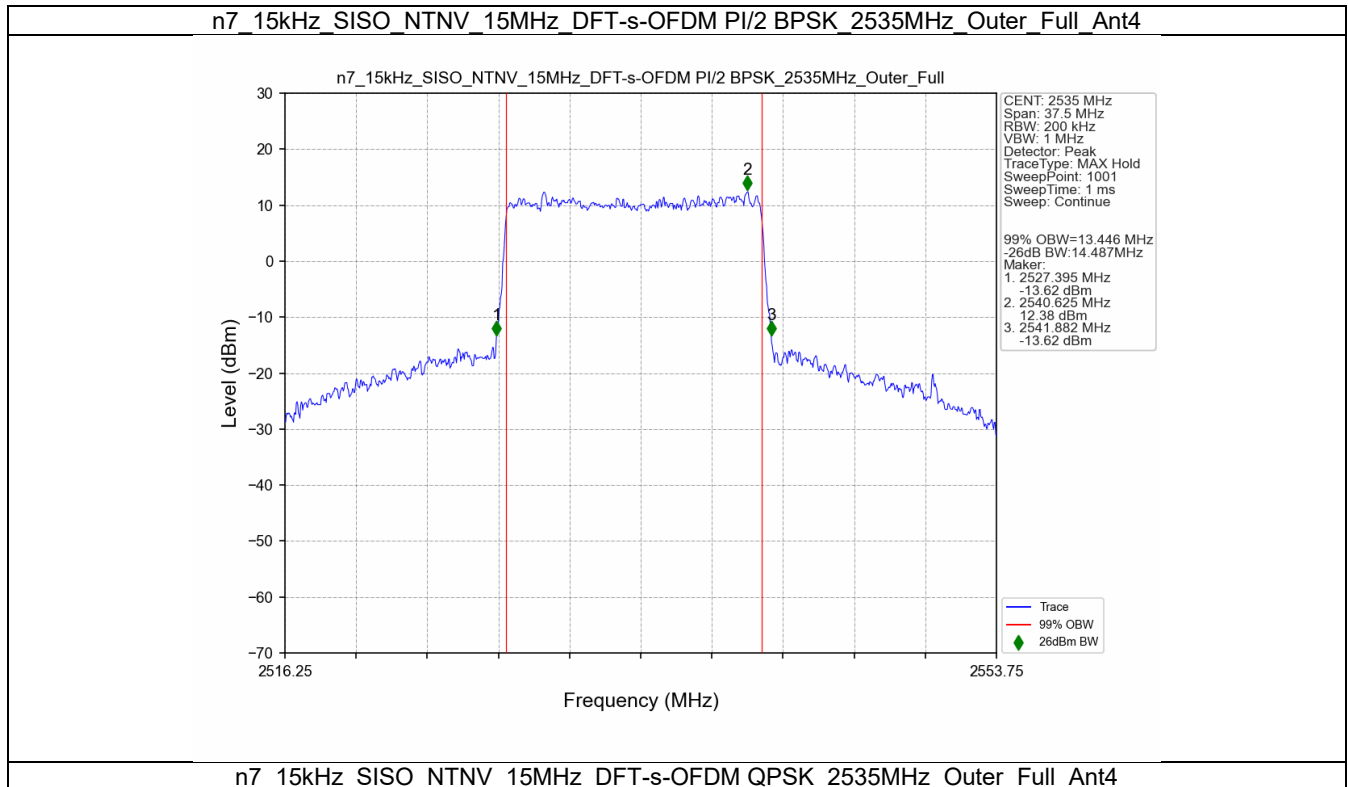
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant4

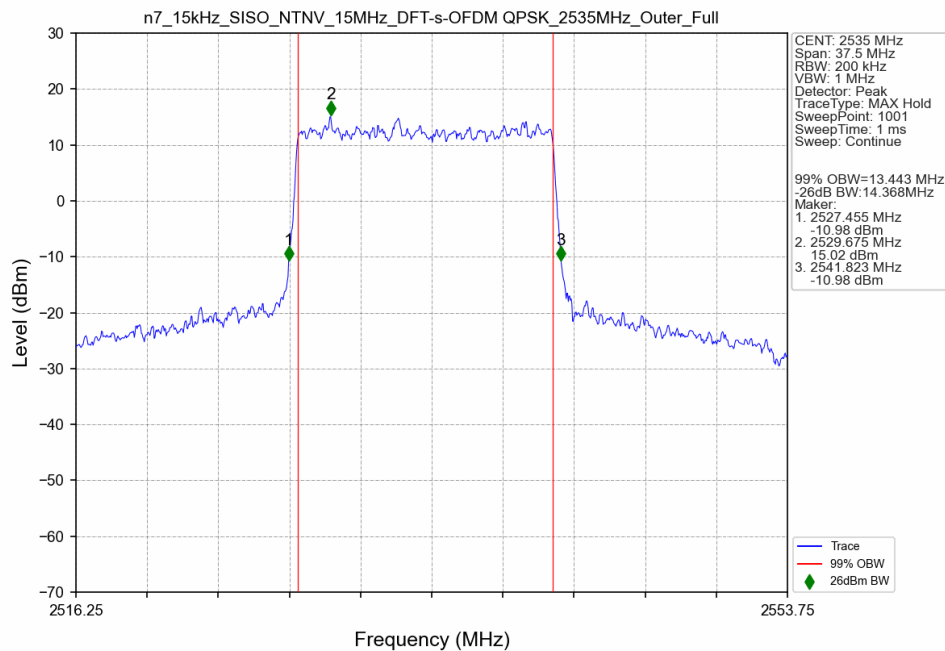


n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_2535MHz_Outer_Full_Ant4

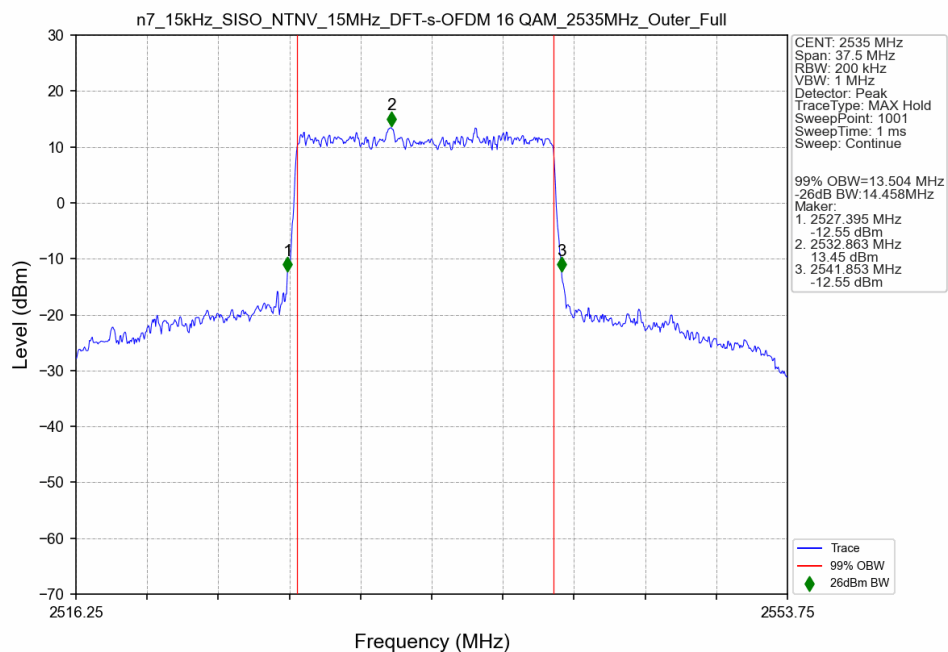


3.2.3 15_S_15M_NTNV

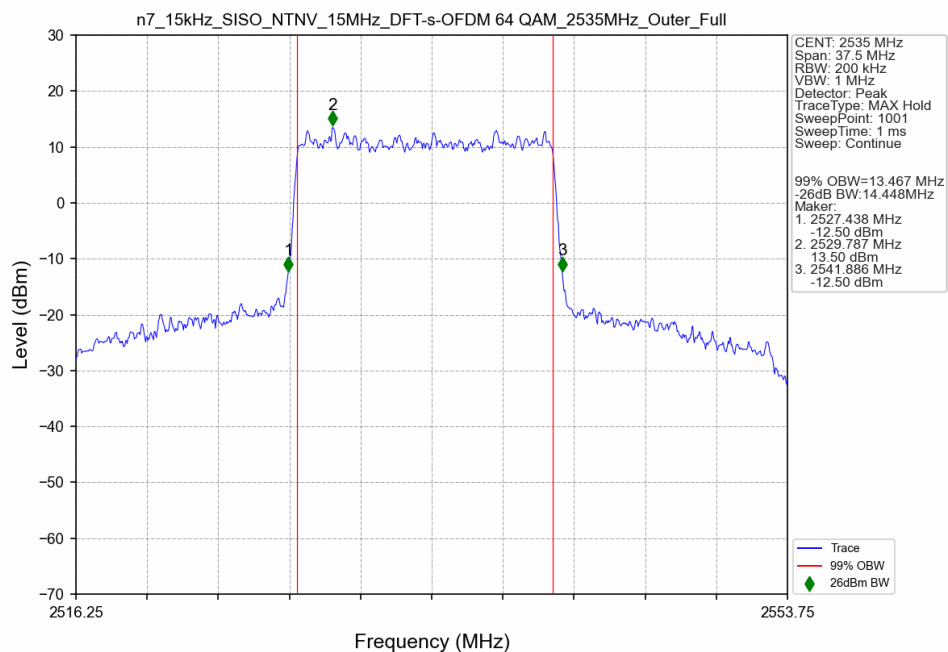




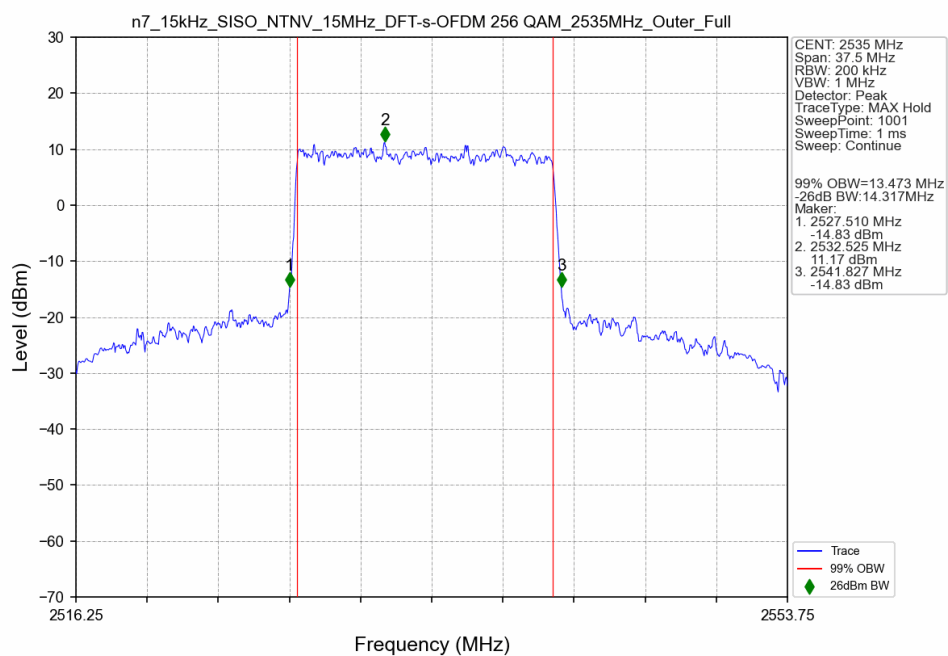
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_2535MHz_Outer_Full_Ant4



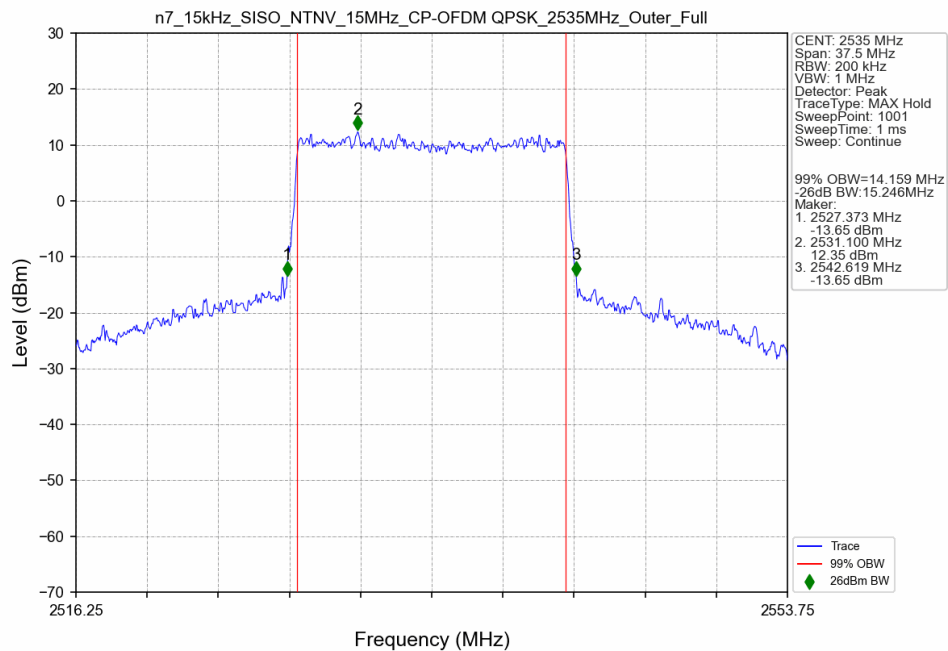
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_2535MHz_Outer_Full_Ant4



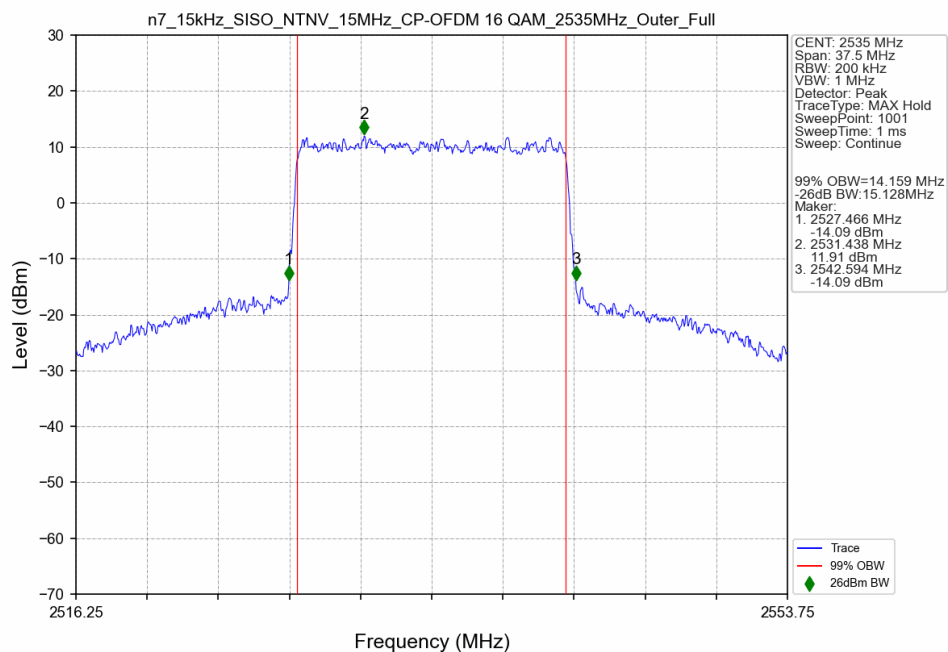
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant4



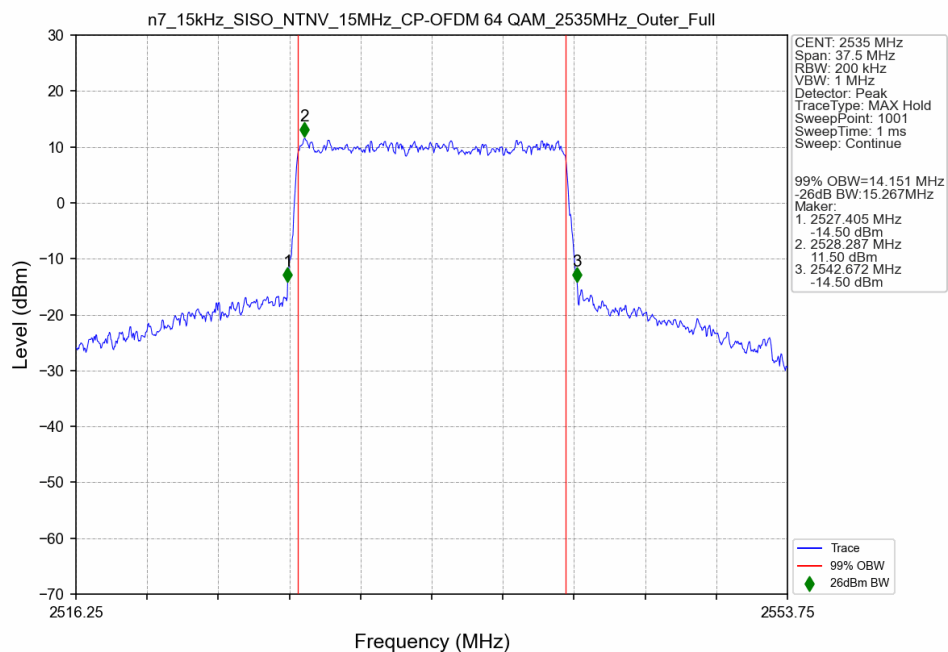
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant4



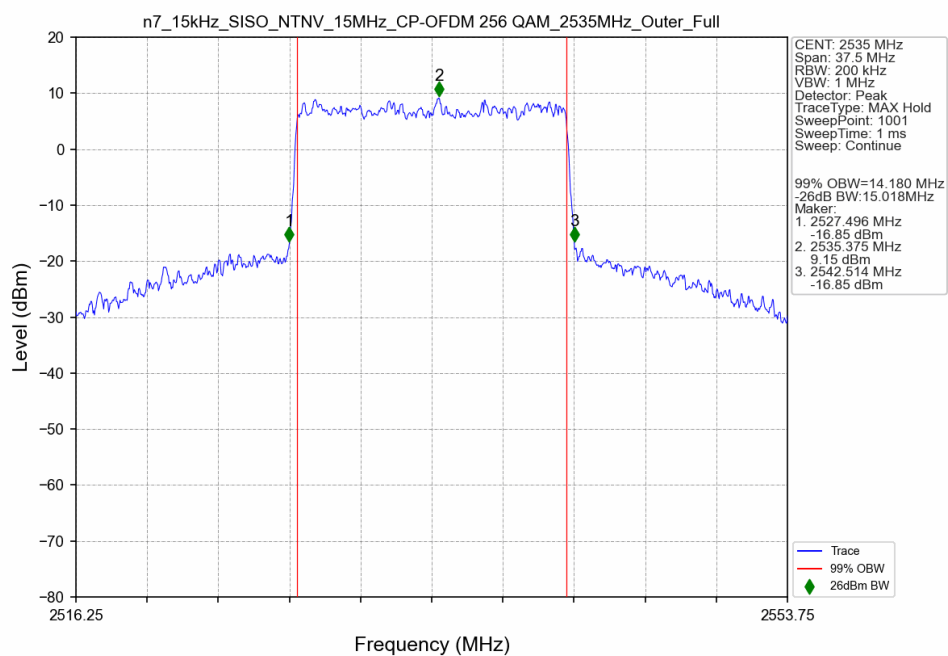
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant4



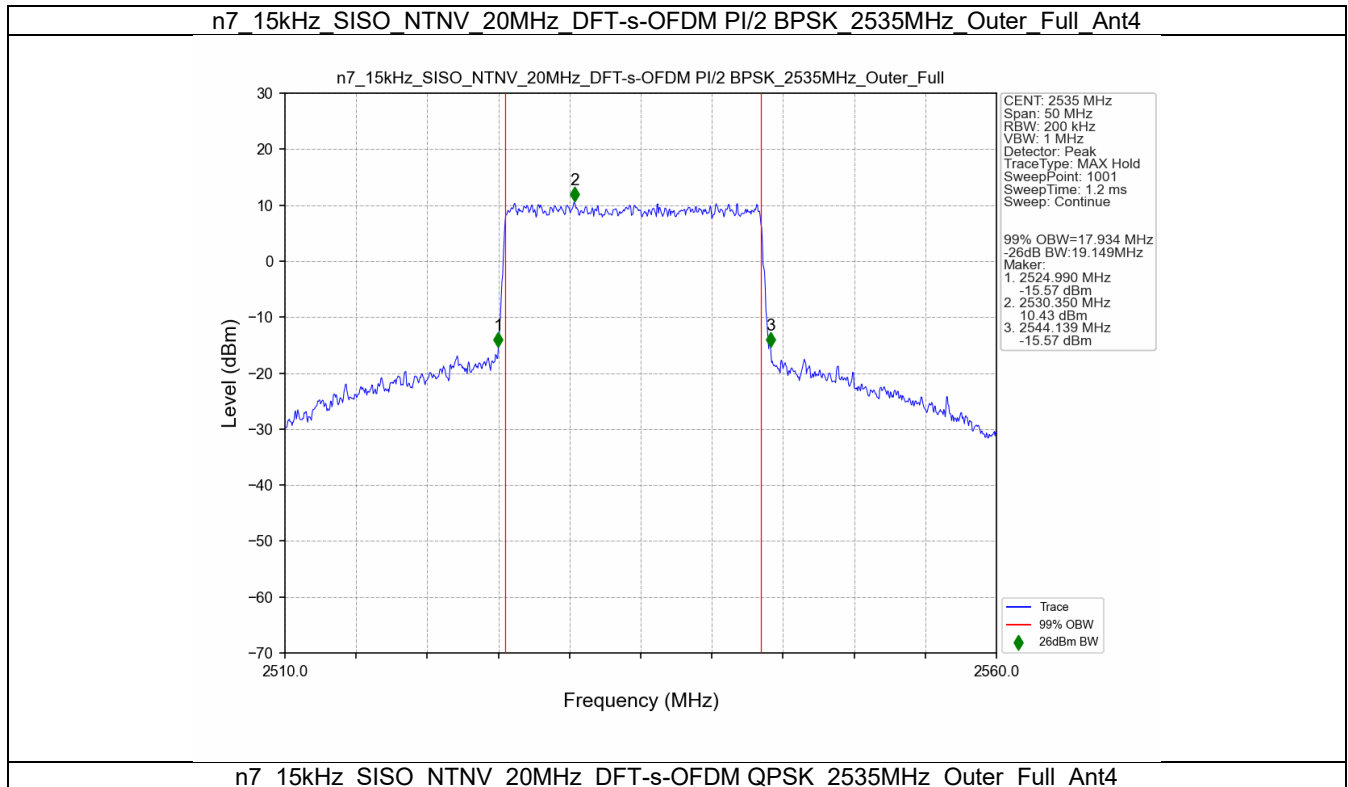
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant4

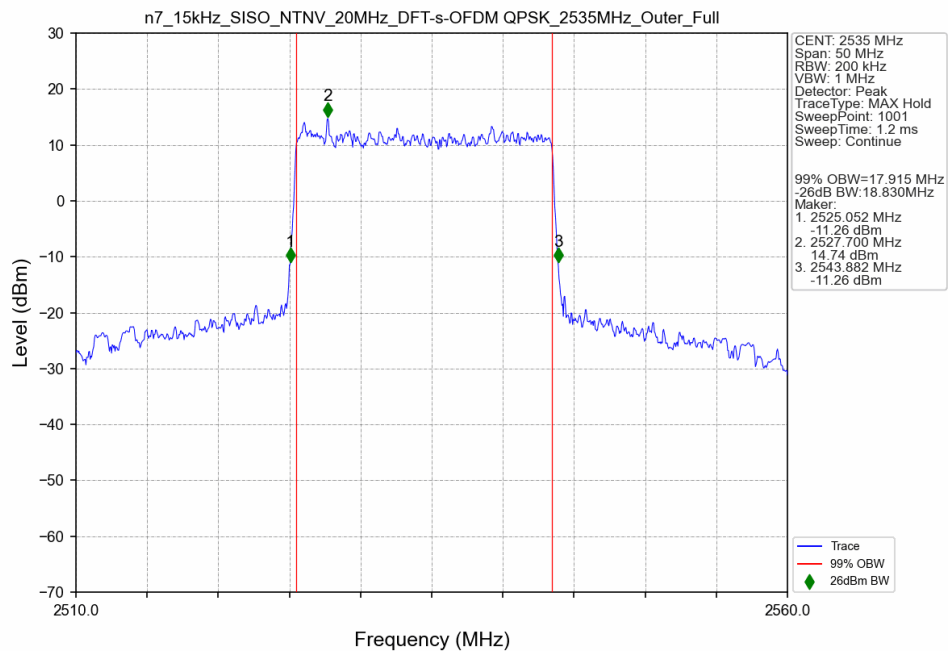


n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM 2535MHz_Outer_Full_Ant4

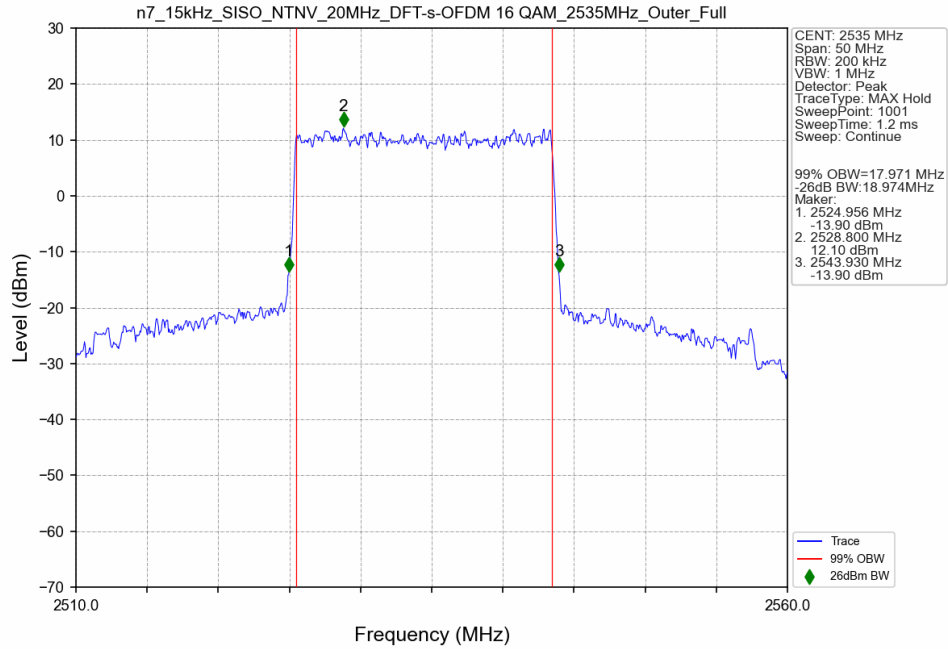


3.2.4 15_S_20M_NTNV

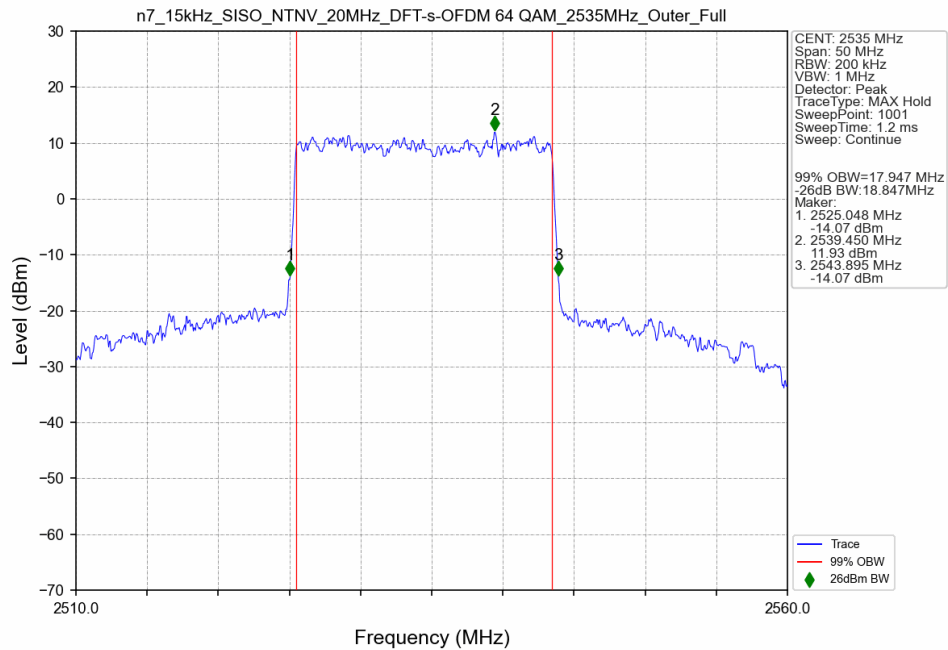


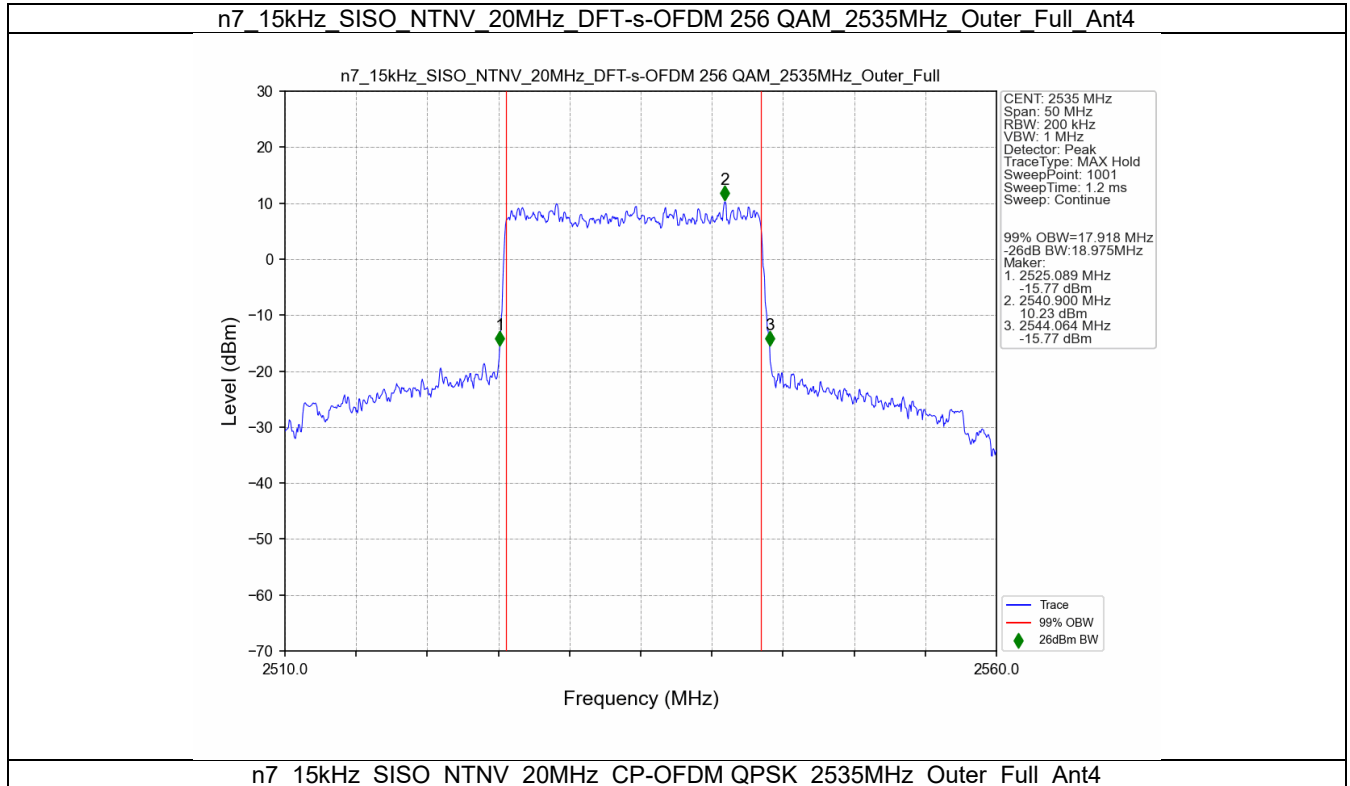


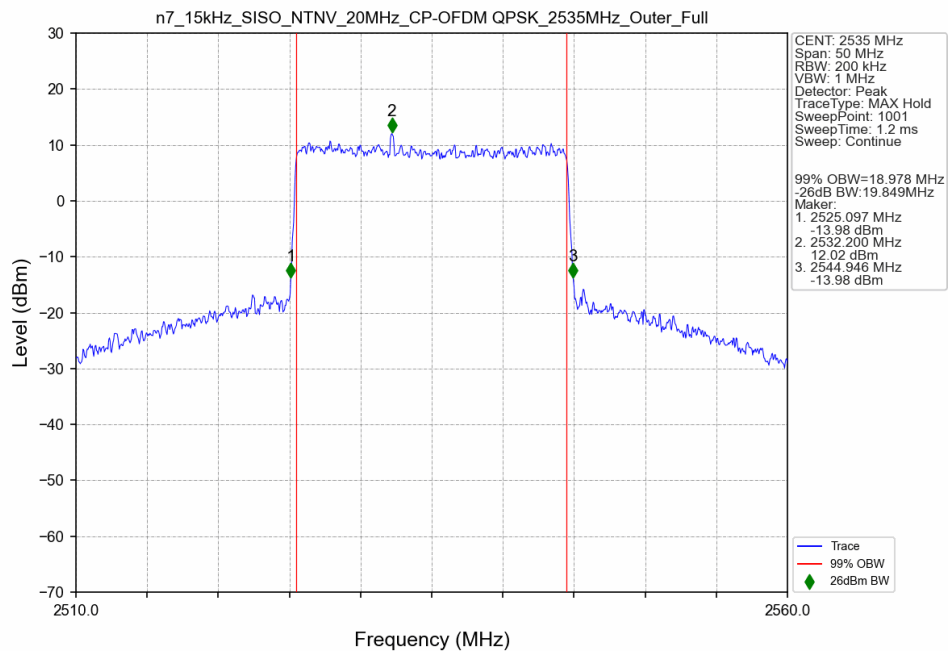
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_2535MHz_Outer_Full_Ant4



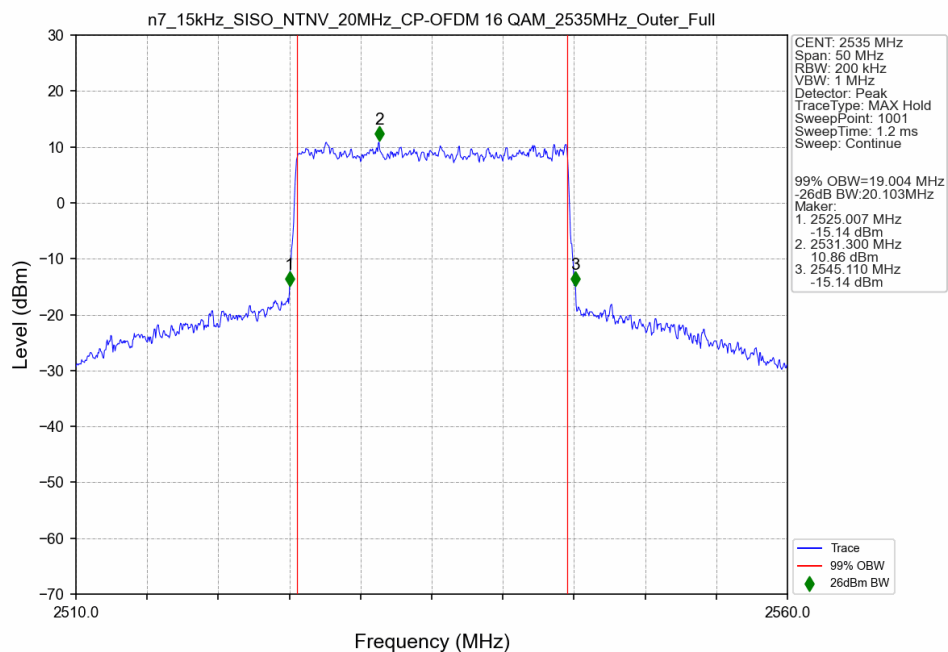
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_2535MHz_Outer_Full_Ant4



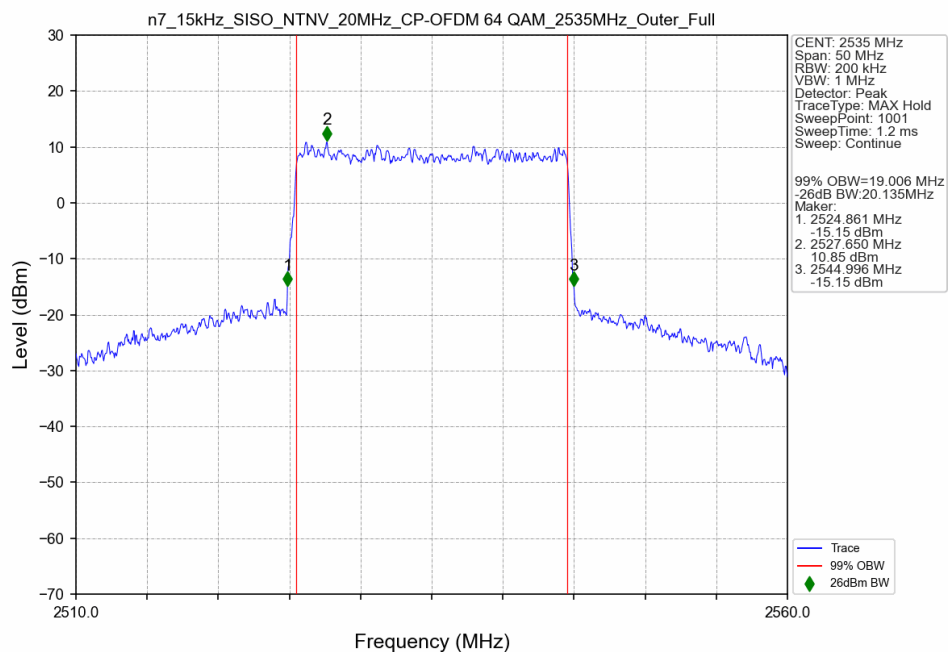




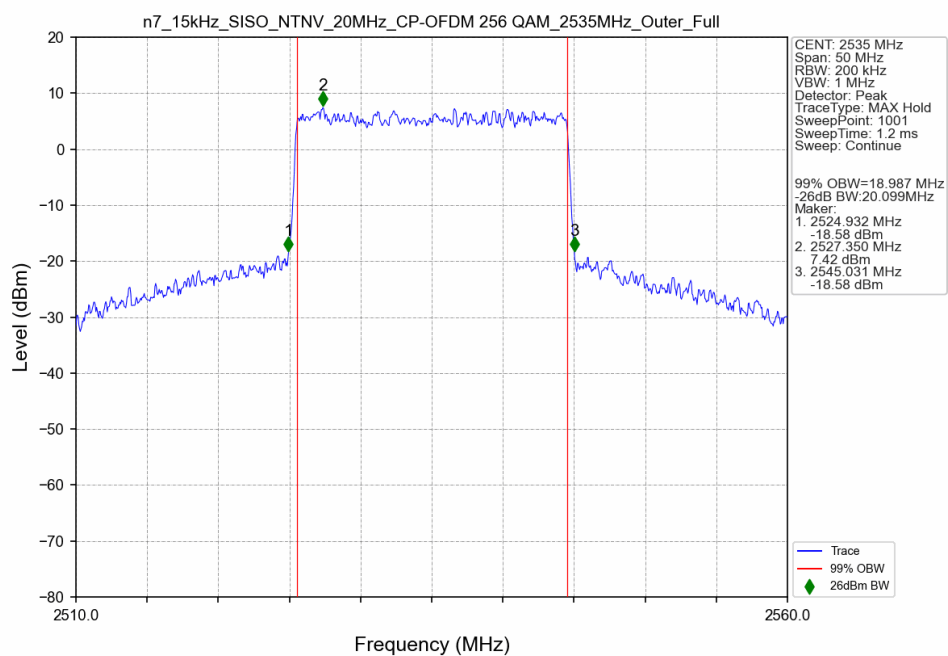
n7_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant4



n7_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant4



n7_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_2535MHz_Outer_Full_Ant4





4. Peak-Average Ratio

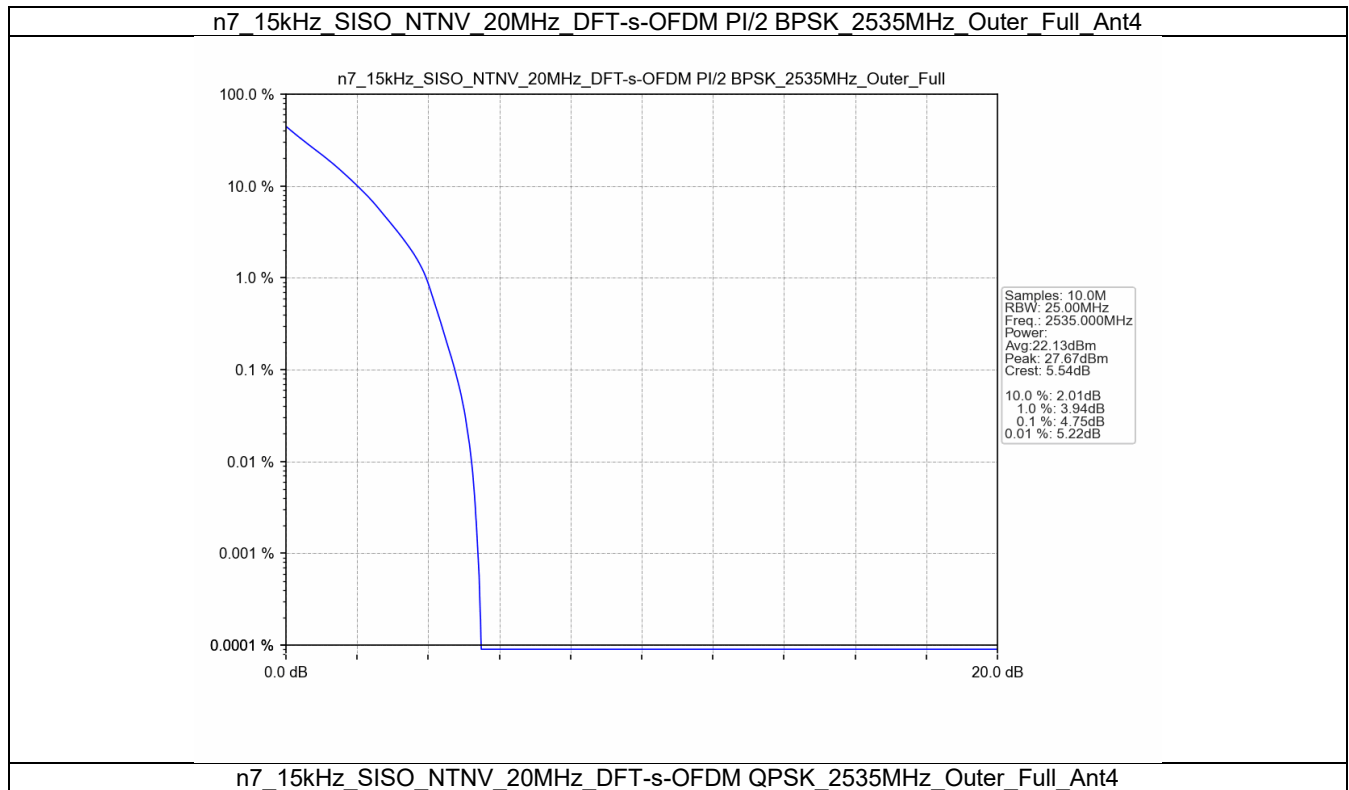
4.1 Test Result

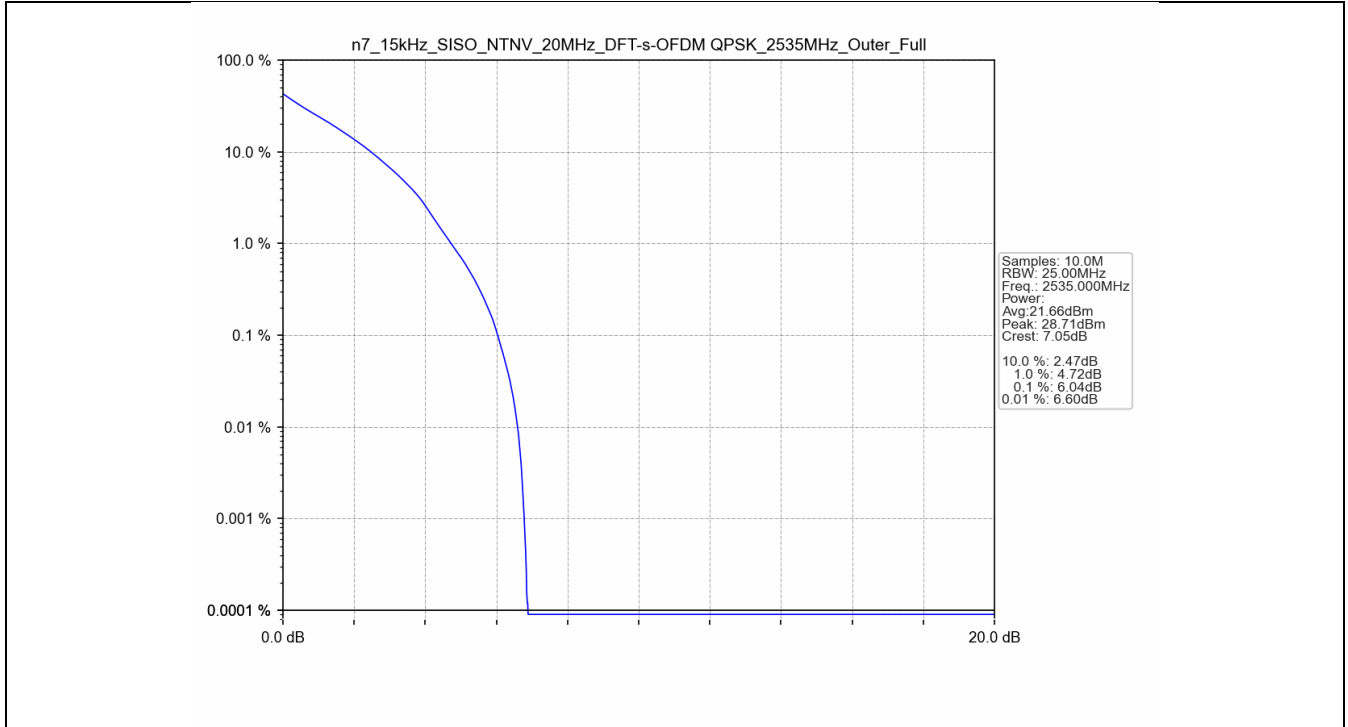
4.1.1 15_S_20M_NTNV

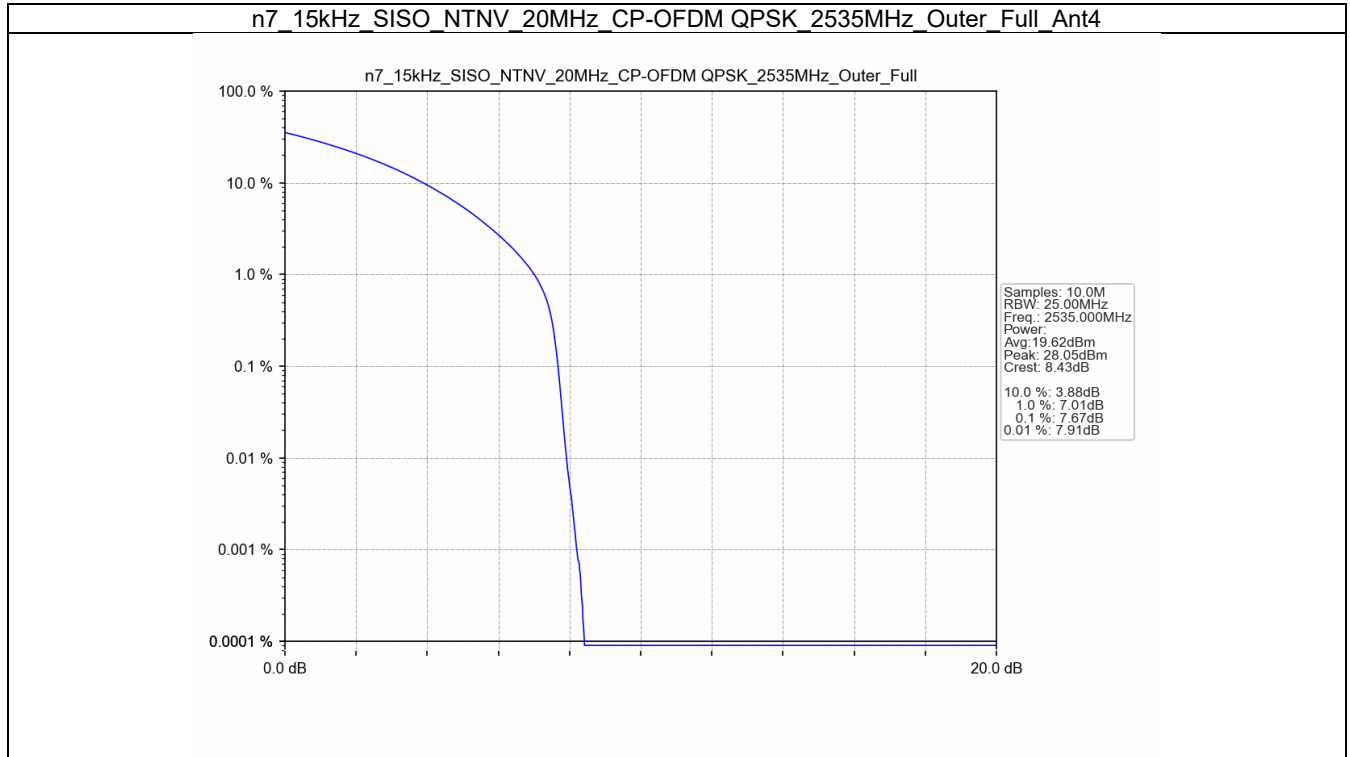
5G NR n7 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2535	Outer_Full	4.75	/	/	<=13	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	6.04	/	/	<=13	Pass
CP-OFDM QPSK	2535	Outer_Full	7.67	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15_S_20M_NTNV









5. Spurious Emission

5.1 Test Result

5.1.1 15_S_5M_NTNV

5G NR n7 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2567.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2567.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2567.5	Outer_Full	Refer To Test Graph				Pass

5.1.2 15_S_15M_NTNV

5G NR n7 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2507.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2562.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2507.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2562.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2507.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2562.5	Outer_Full	Refer To Test Graph				Pass

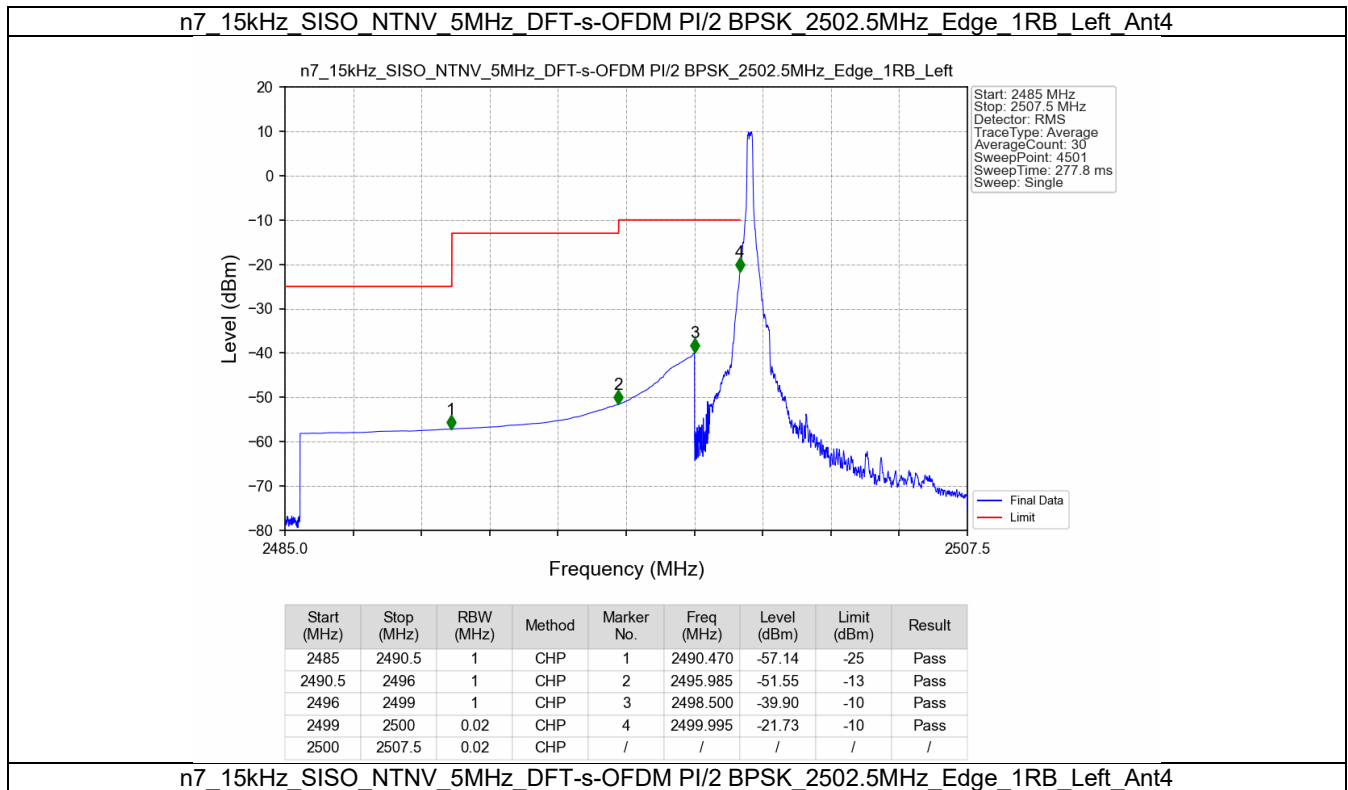


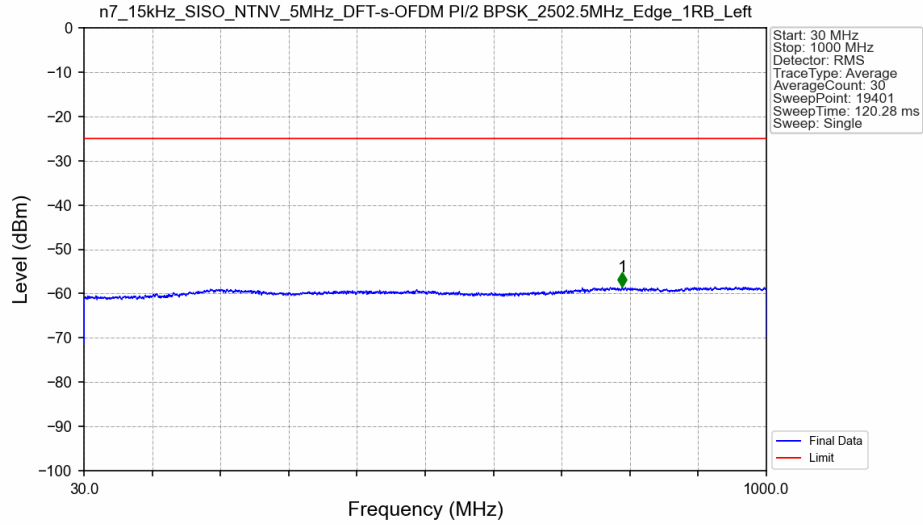
5.1.3 15_S_20M_NTNV

5G NR n7 SCS=15kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant4	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	2510	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	2535	Edge_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Right	Refer To Test Graph				Pass	
		2560	Outer_Full	Refer To Test Graph				Pass
				Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2510	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	2535	Edge_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Right	Refer To Test Graph				Pass	
		2560	Outer_Full	Refer To Test Graph				Pass
				Refer To Test Graph				Pass
CP-OFDM QPSK	2510	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	2535	Edge_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Right	Refer To Test Graph				Pass	
		2560	Outer_Full	Refer To Test Graph				Pass
				Refer To Test Graph				Pass

5.2 Test Graph

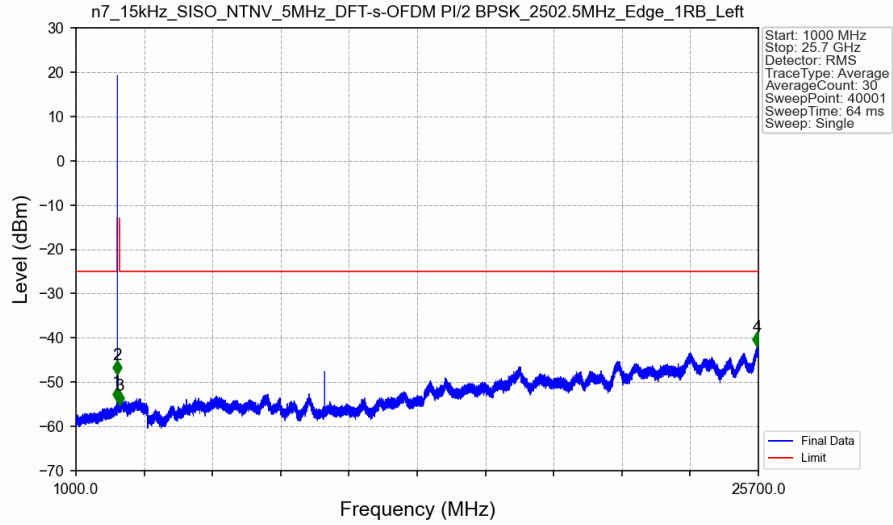
5.2.1 15_S_5M_NTNV





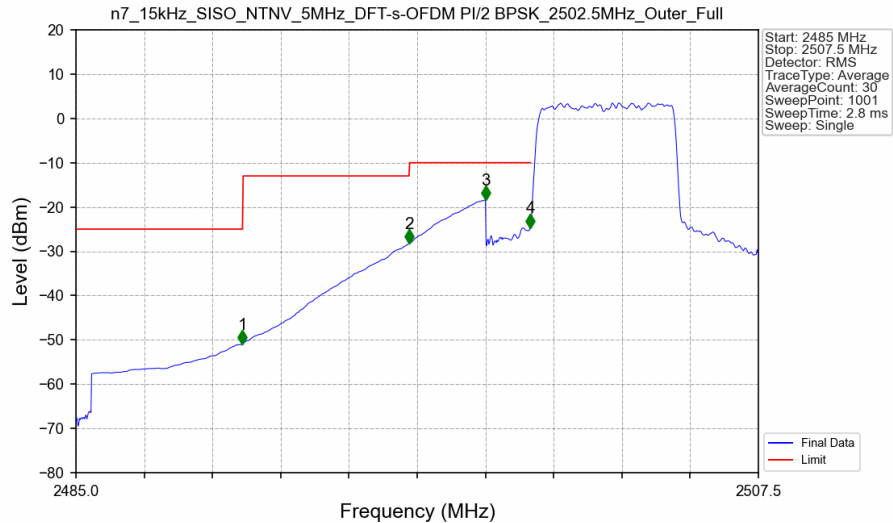
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	794.850	-58.41	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left_Ant4

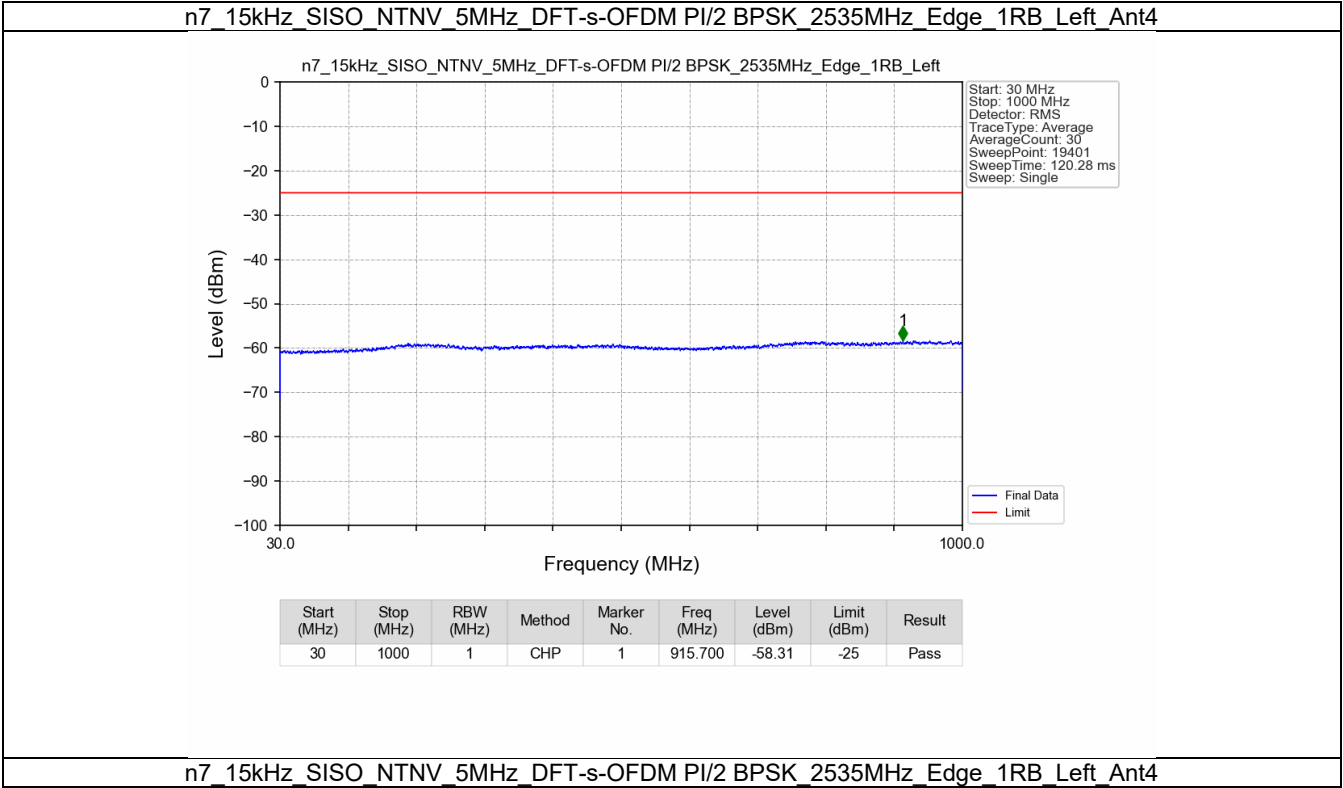


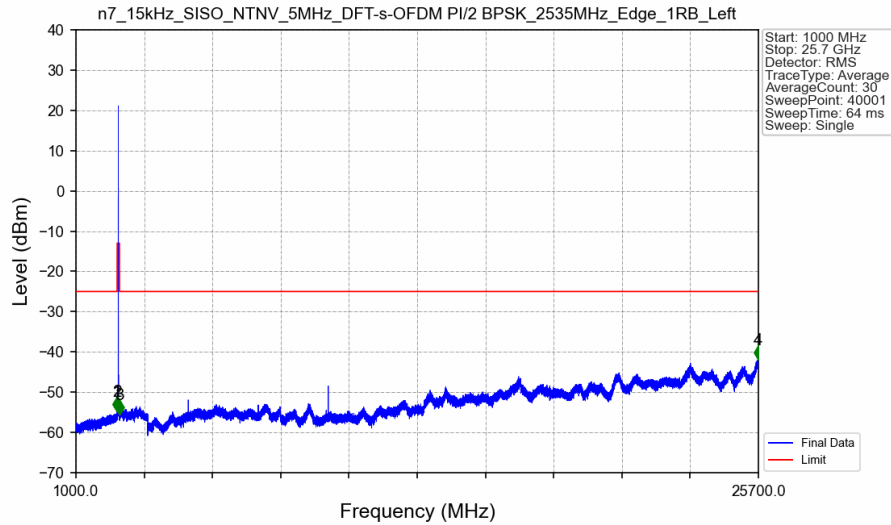
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2486.323	-54.30	-25	Pass
2490.5	2496	1	/	2	2493.115	-48.22	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2575.242	-55.13	-13	Pass
2576	25700	1	/	4	25651.217	-41.85	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Outer_Full_Ant4



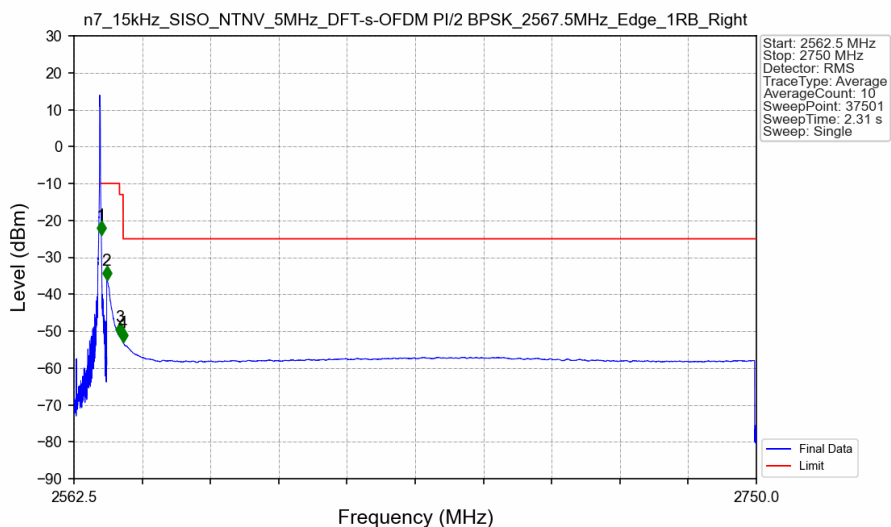
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-50.91	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-28.24	-13	Pass
2496	2499	1	CHP	3	2498.500	-18.38	-10	Pass
2499	2500	0.104	CHP	4	2499.985	-24.66	-10	Pass
2500	2507.5	0.104	CHP	/	/	/	/	/





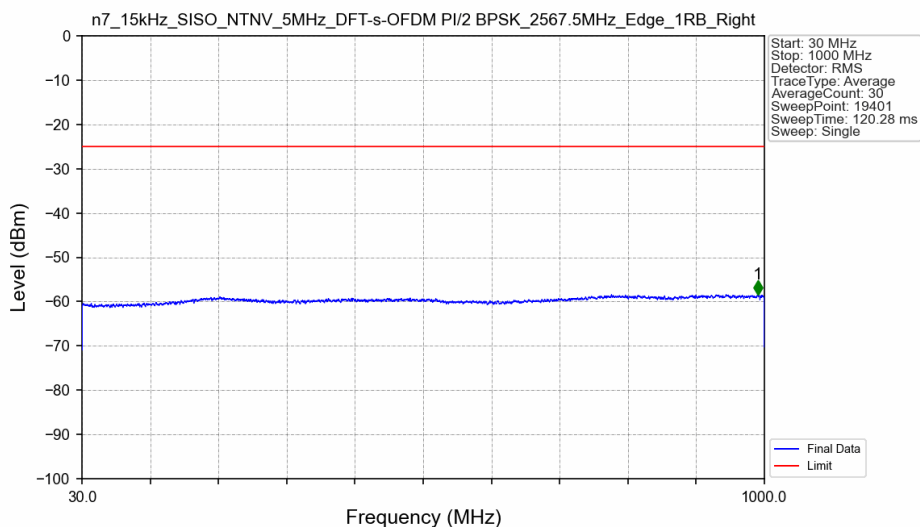
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2479.530	-54.71	-25	Pass
2490.5	2496	1	/	2	2493.733	-54.65	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2575.242	-55.45	-13	Pass
2576	25700	1	/	4	25693.825	-41.95	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right_Ant4

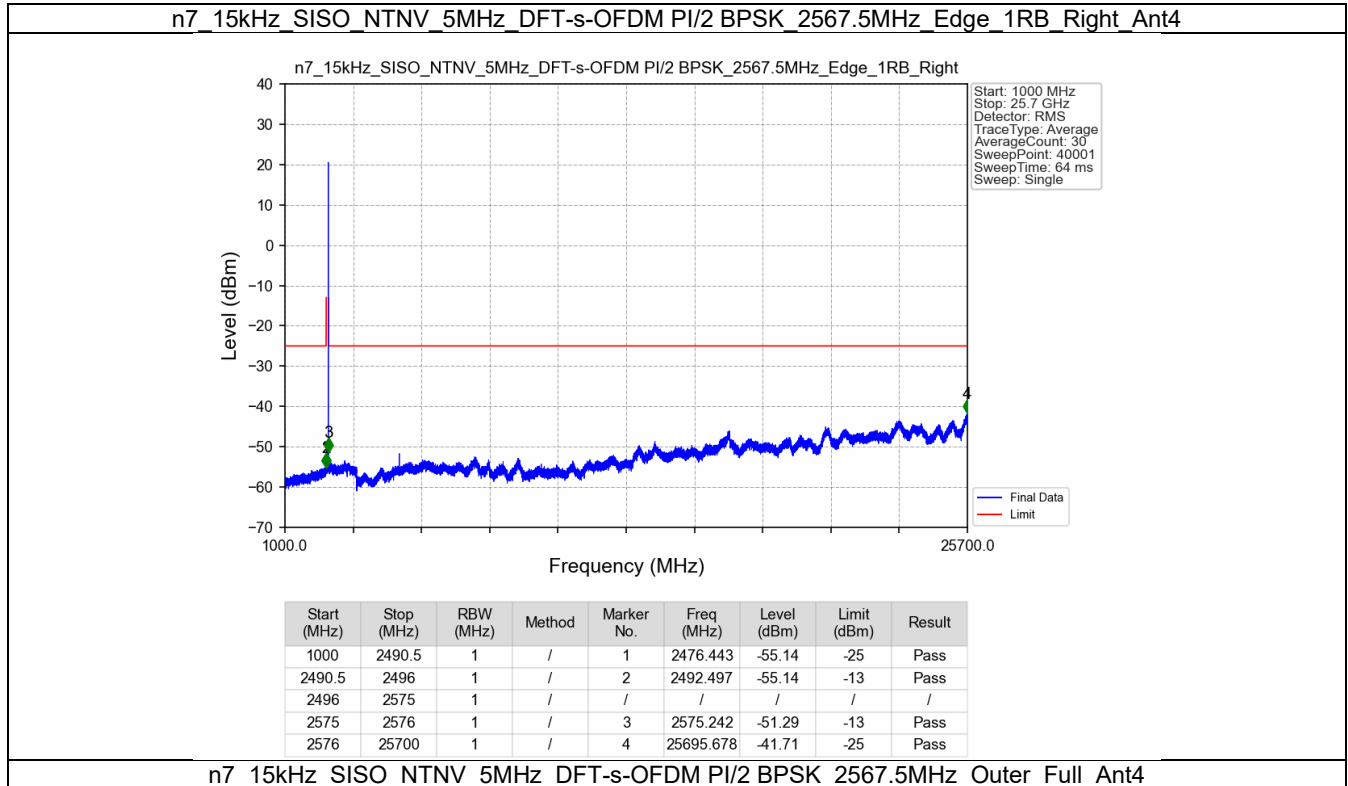


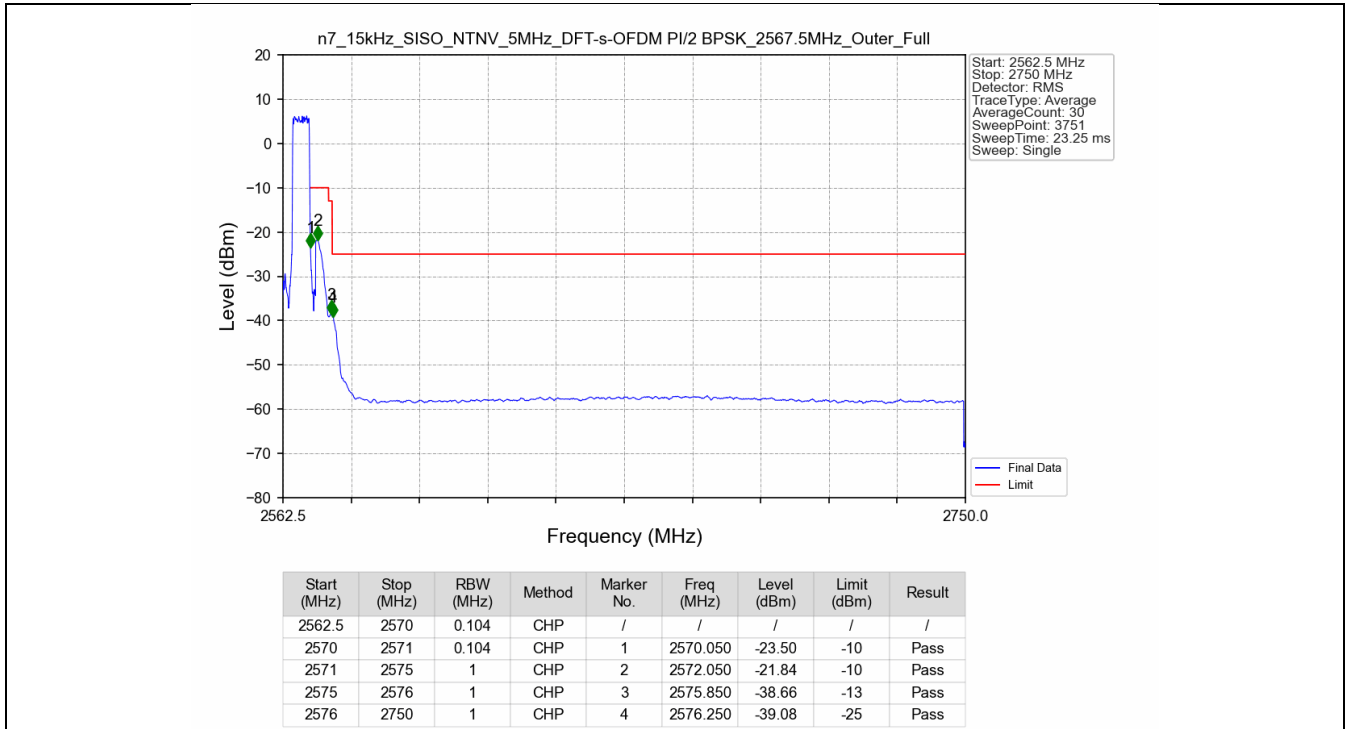
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-23.90	-10	Pass
2571	2575	1	CHP	2	2571.500	-36.16	-10	Pass
2575	2576	1	CHP	3	2575.045	-51.39	-13	Pass
2576	2750	1	CHP	4	2576.005	-53.08	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right_Ant4

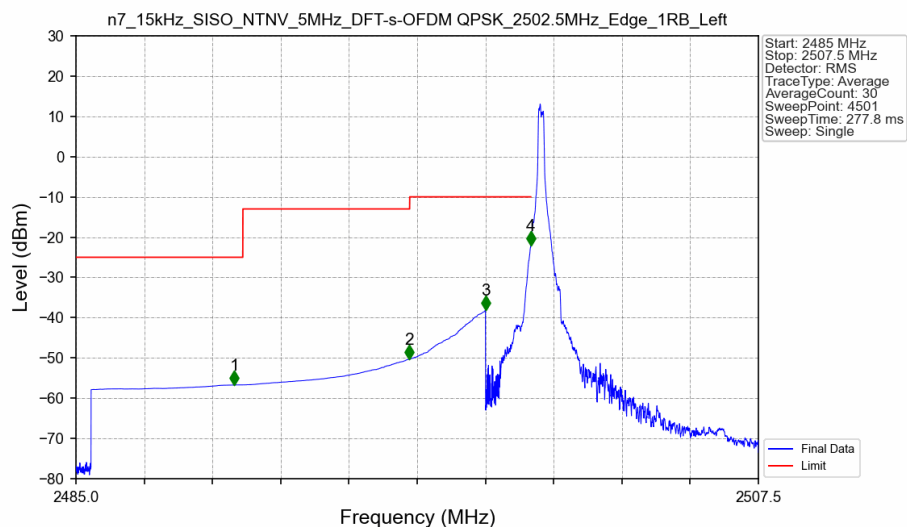


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	990.400	-58.32	-25	Pass



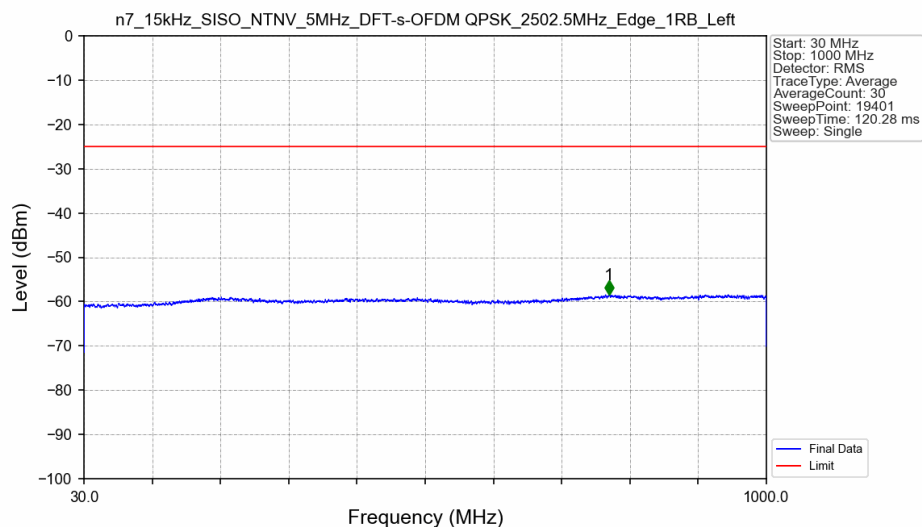


n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant4

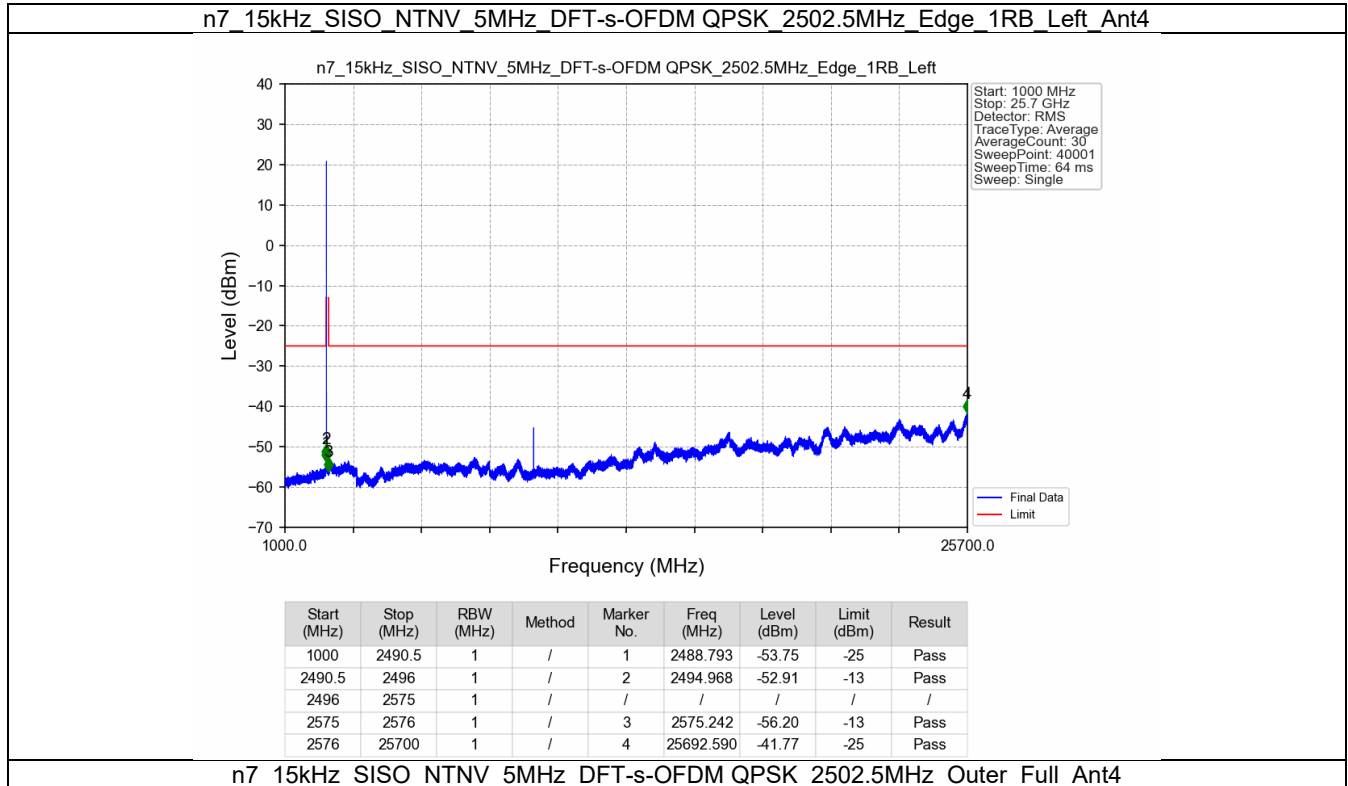


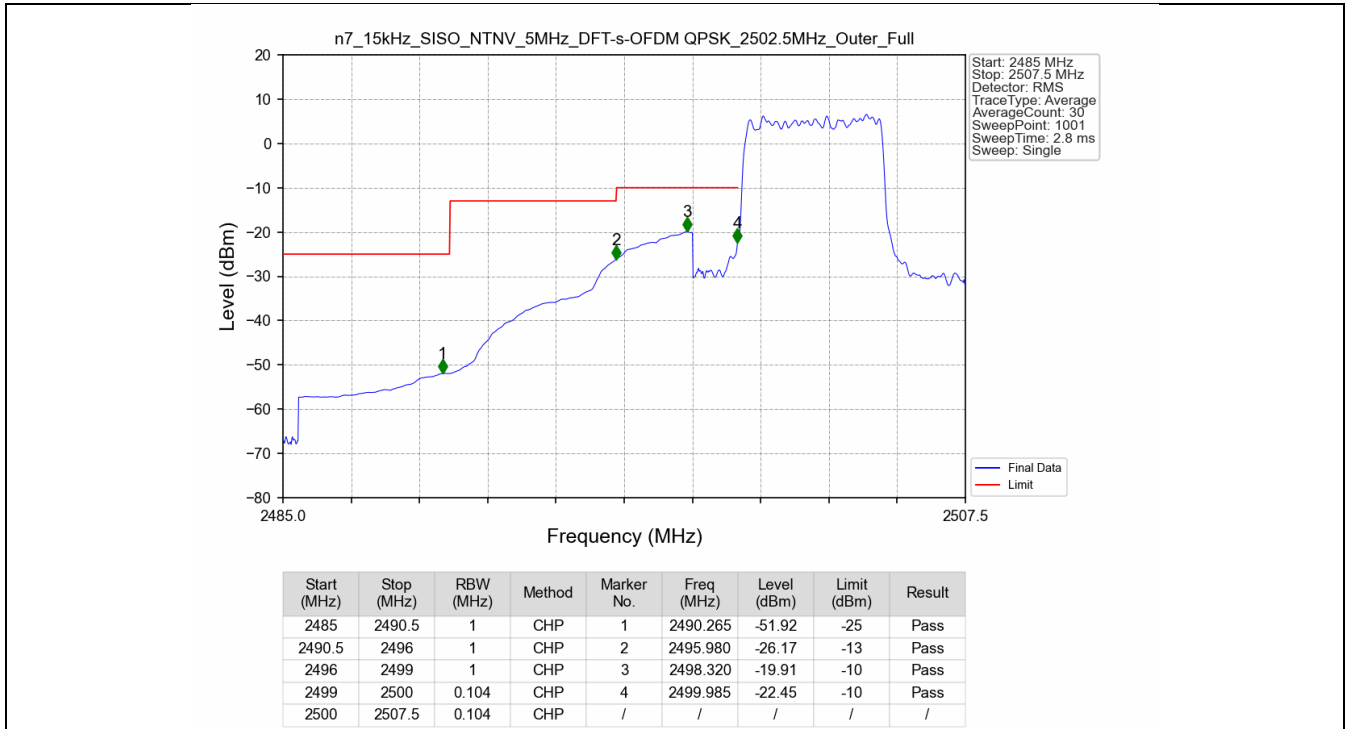
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.215	-56.71	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-50.27	-13	Pass
2496	2499	1	CHP	3	2498.500	-38.13	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-22.12	-10	Pass
2500	2507.5	0.02	CHP	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant4

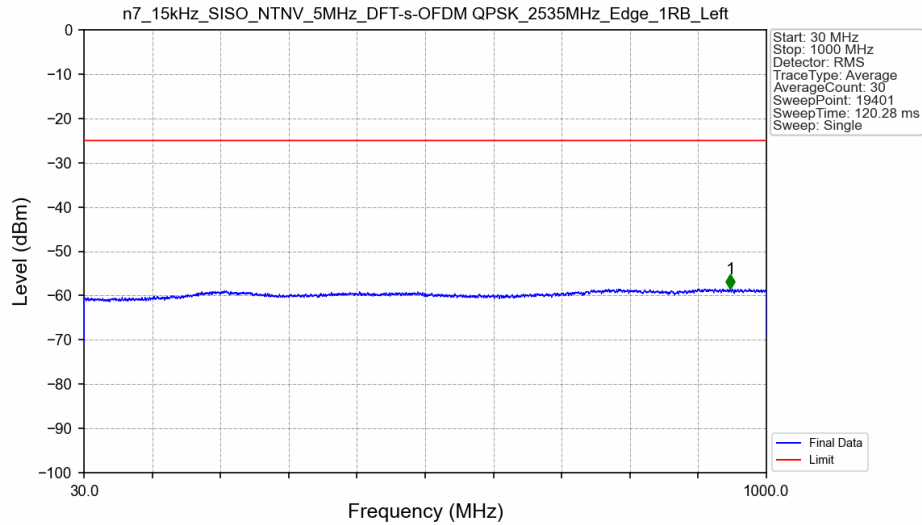


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	776.250	-58.44	-25	Pass

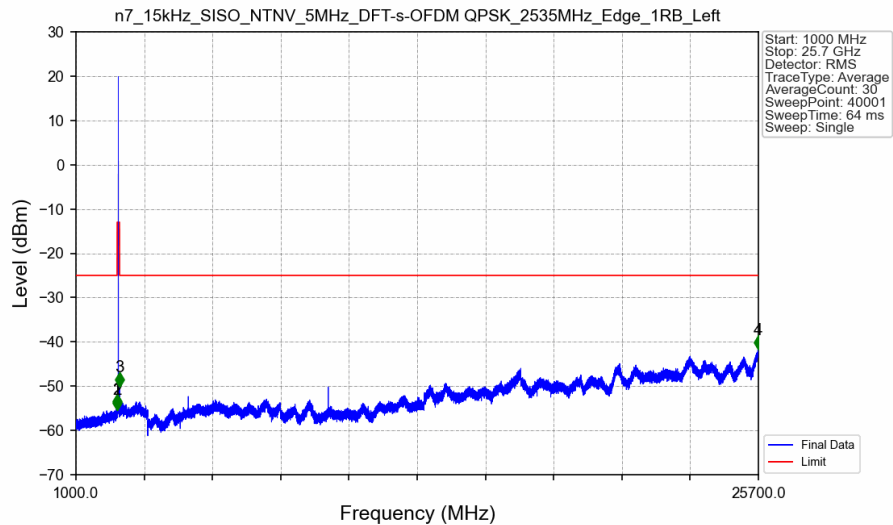


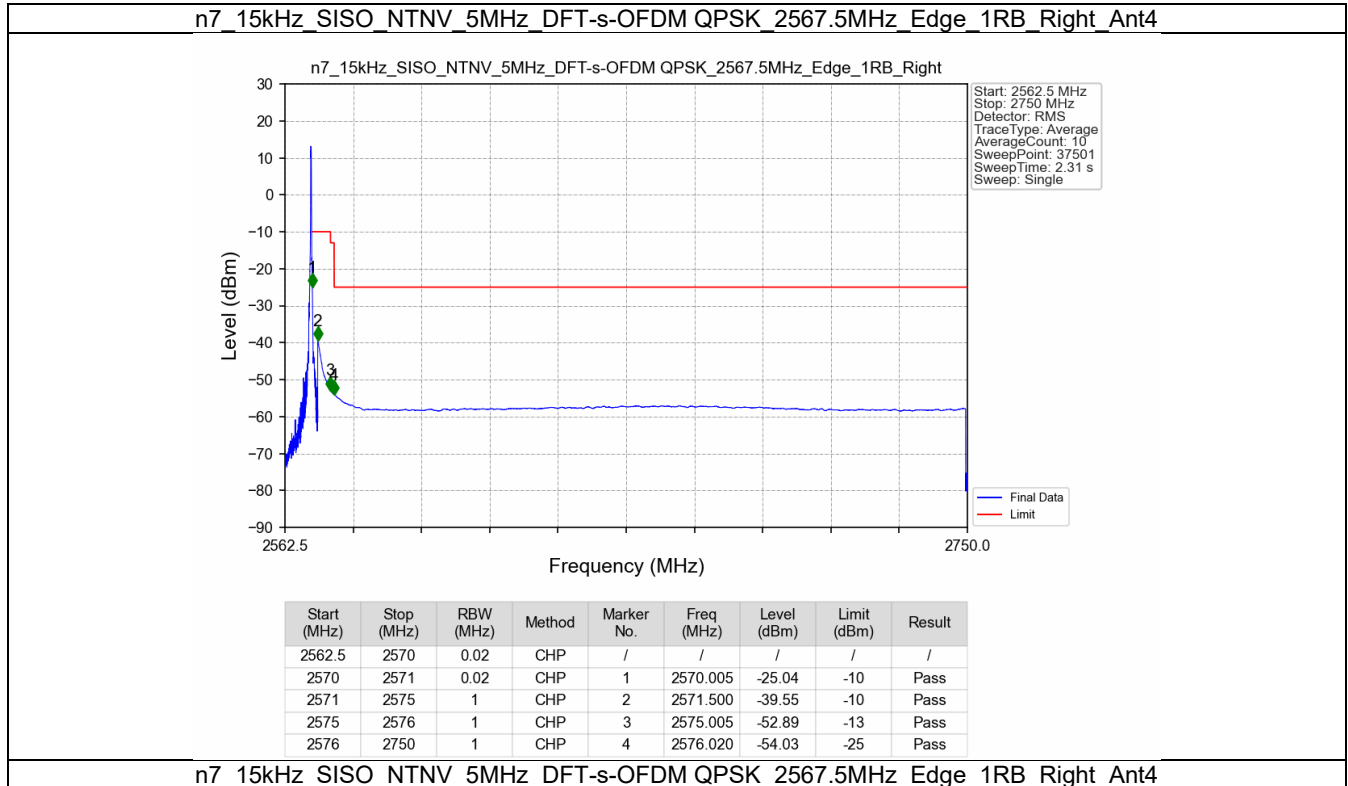


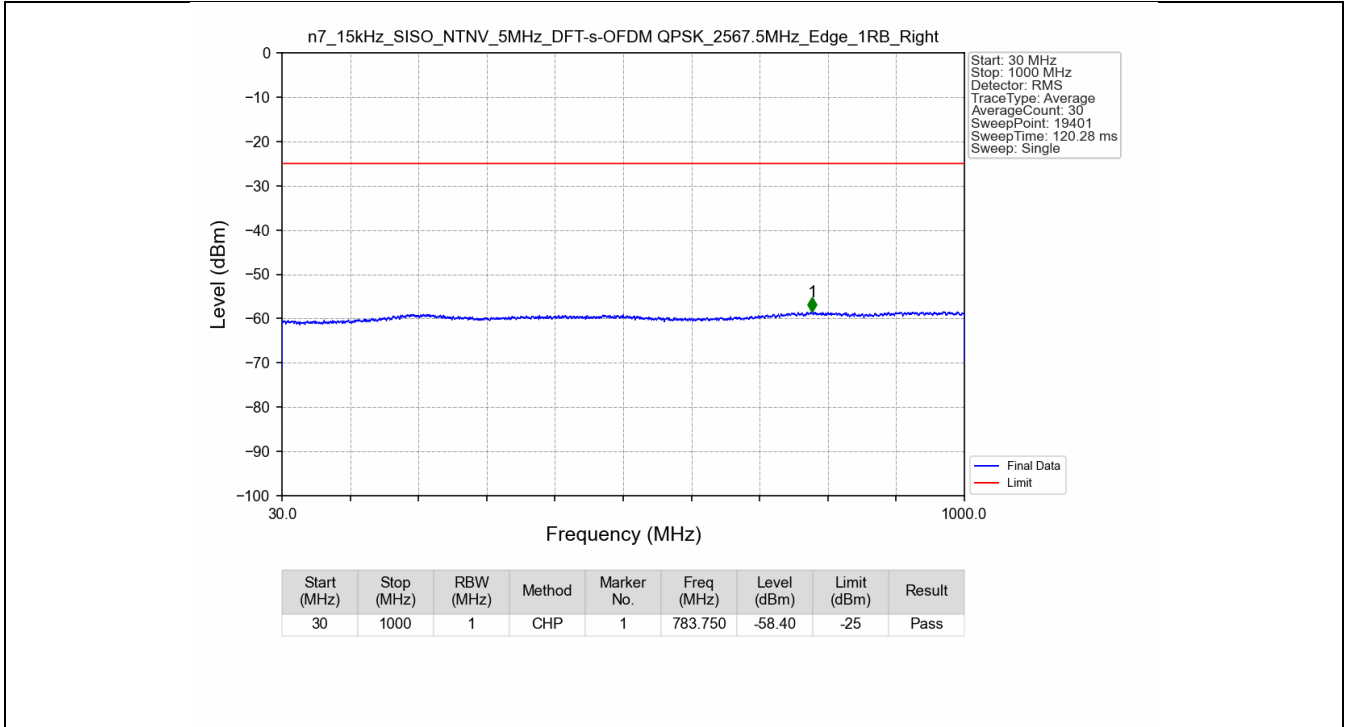
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2535MHz_Edge_1RB_Left_Ant4



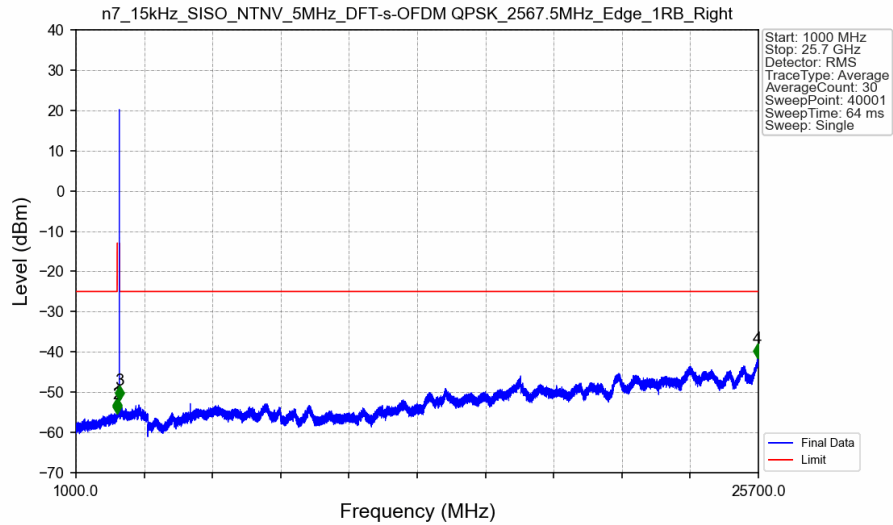
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2535MHz_Edge_1RB_Left_Ant4





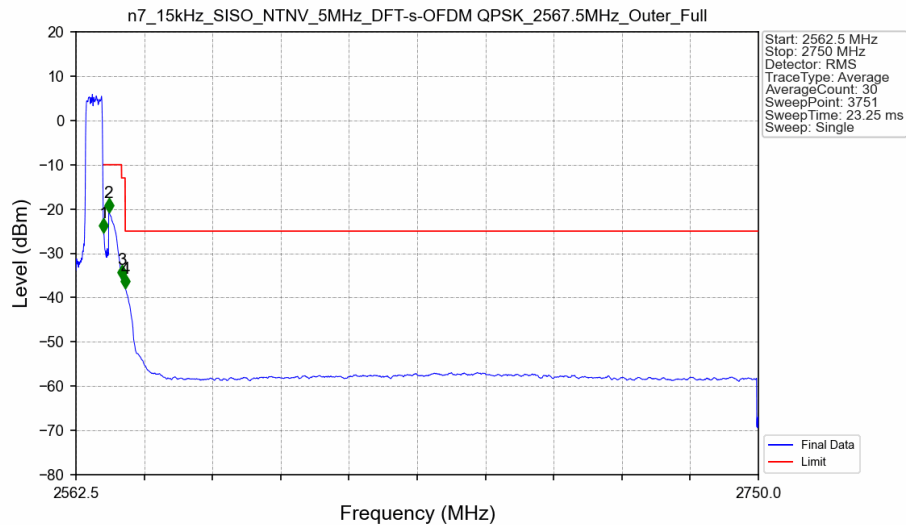


n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant4



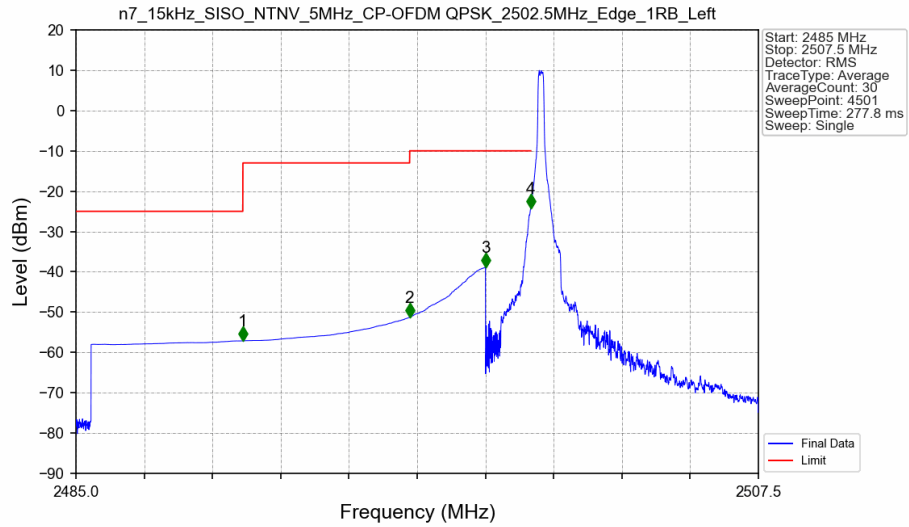
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2486.323	-54.90	-25	Pass
2490.5	2496	1	/	2	2491.262	-55.32	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2575.242	-51.85	-13	Pass
2576	25700	1	/	4	25661.715	-41.44	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2567.5MHz_Outer_Full_Ant4

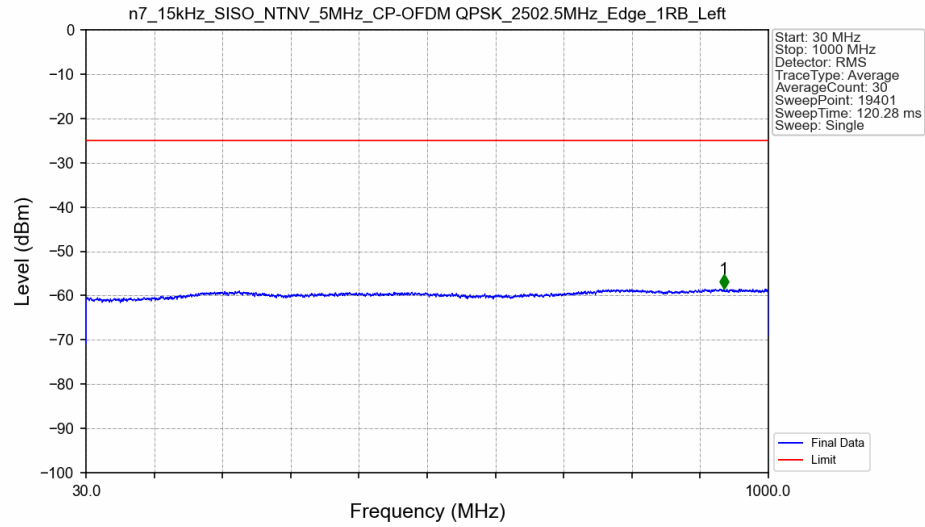


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.104	CHP	/	/	/	/	/
2570	2571	0.104	CHP	1	2570.050	-25.26	-10	Pass
2571	2575	1	CHP	2	2571.500	-20.72	-10	Pass
2575	2576	1	CHP	3	2575.050	-35.93	-13	Pass
2576	2750	1	CHP	4	2576.050	-37.86	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left_Ant4

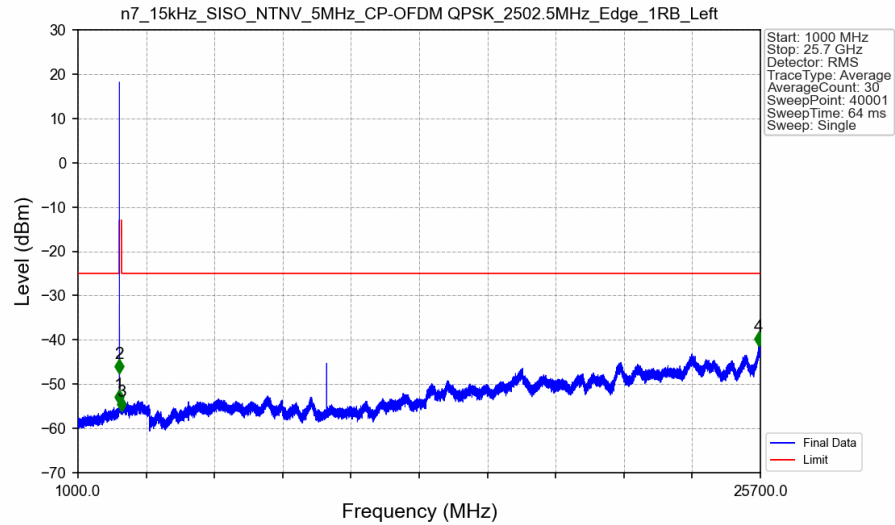


n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left_Ant4



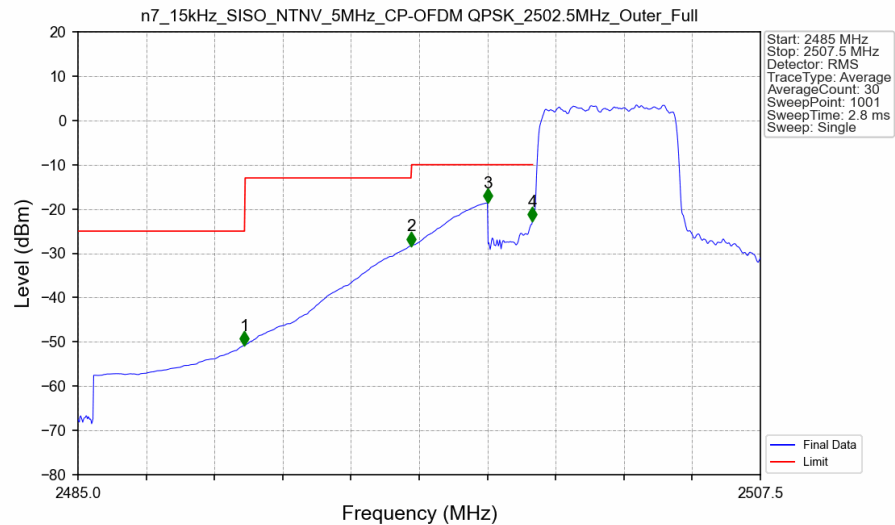
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	936.700	-58.49	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left_Ant4

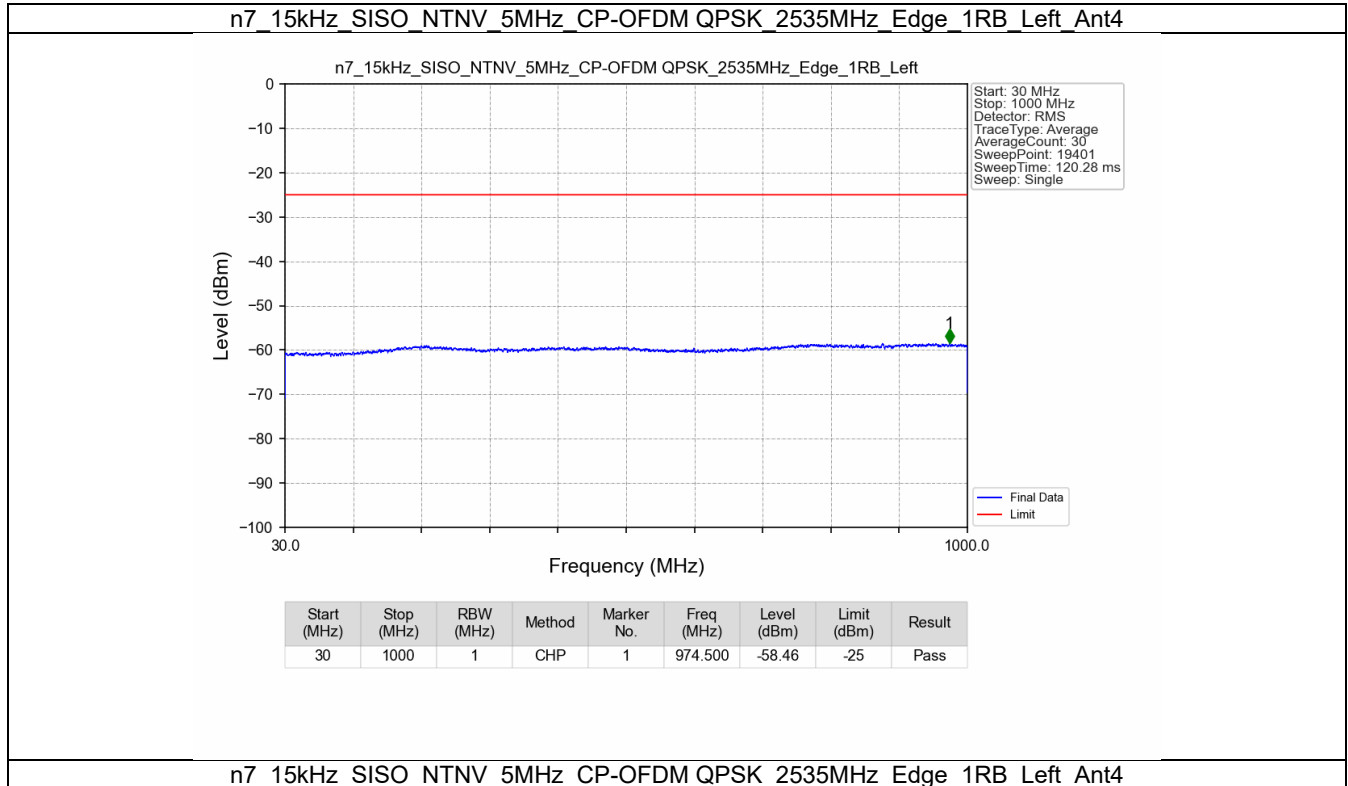


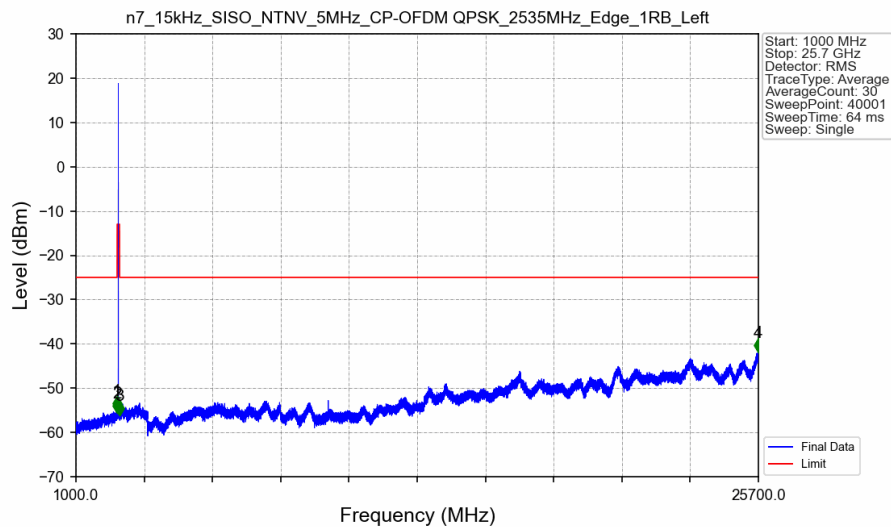
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2488.793	-54.52	-25	Pass
2490.5	2496	1	/	2	2494.968	-47.54	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2575.242	-56.16	-13	Pass
2576	25700	1	/	4	25639.485	-41.42	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Outer_Full_Ant4



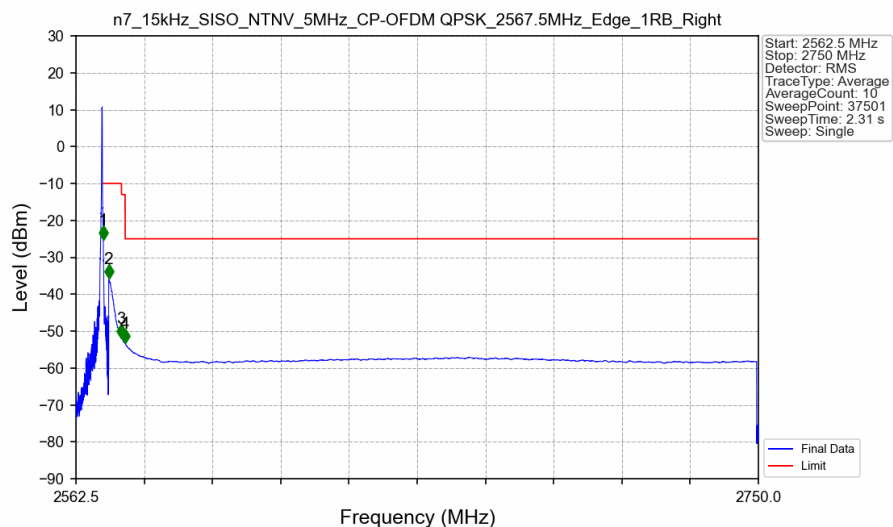
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-50.77	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-28.31	-13	Pass
2496	2499	1	CHP	3	2498.500	-18.58	-10	Pass
2499	2500	0.104	CHP	4	2499.985	-22.78	-10	Pass
2500	2507.5	0.104	CHP	/	/	/	/	/





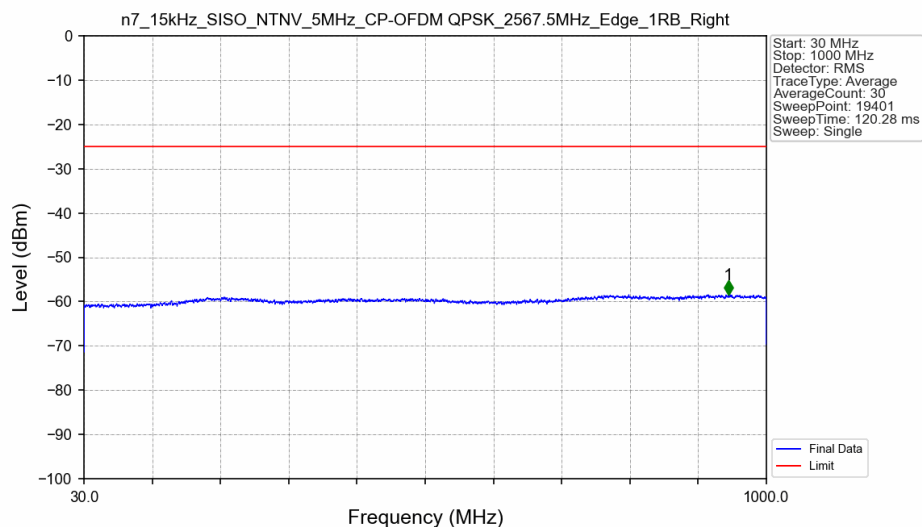
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2483.852	-55.07	-25	Pass
2490.5	2496	1	/	2	2493.733	-55.49	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2575.860	-56.04	-13	Pass
2576	25700	1	/	4	25688.885	-41.82	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant4

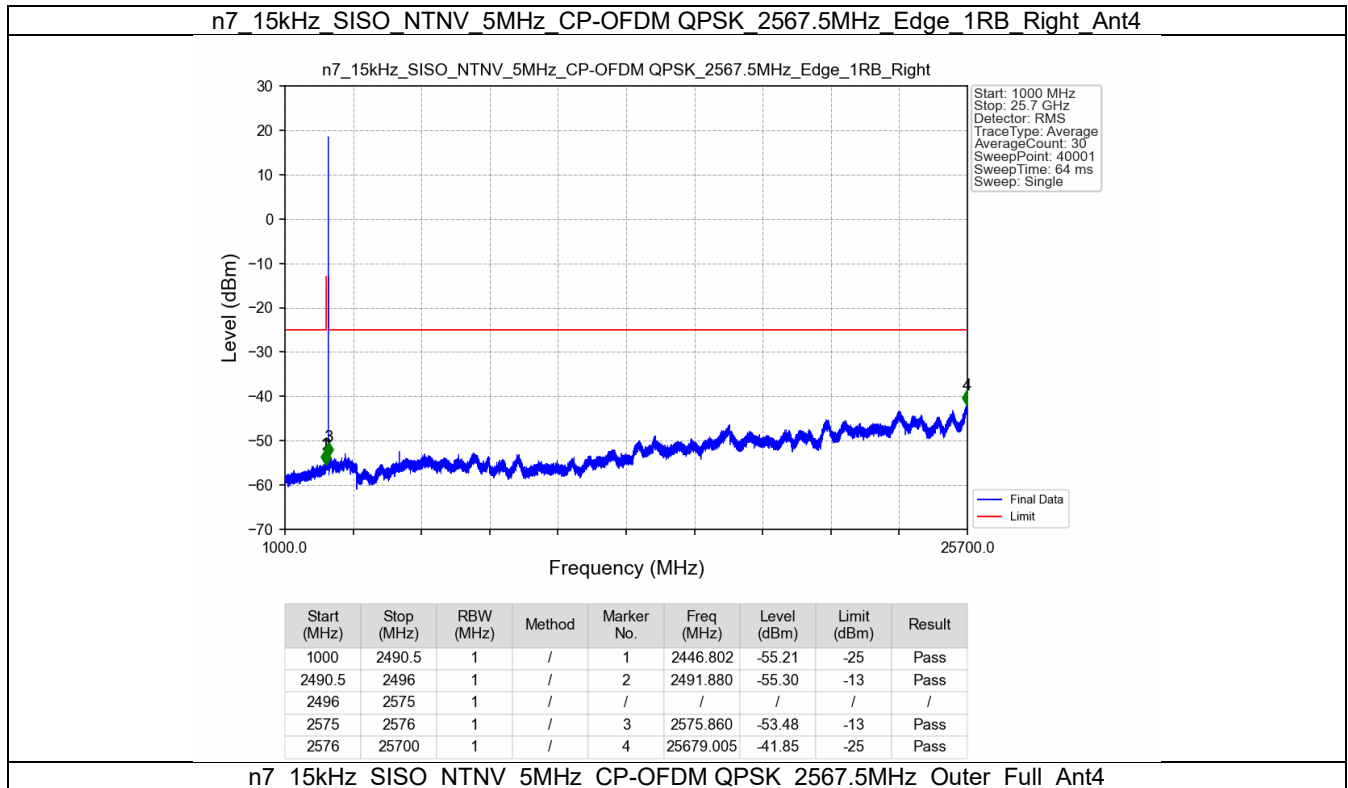


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-25.17	-10	Pass
2571	2575	1	CHP	2	2571.500	-35.83	-10	Pass
2575	2576	1	CHP	3	2575.005	-51.87	-13	Pass
2576	2750	1	CHP	4	2576.005	-53.25	-25	Pass

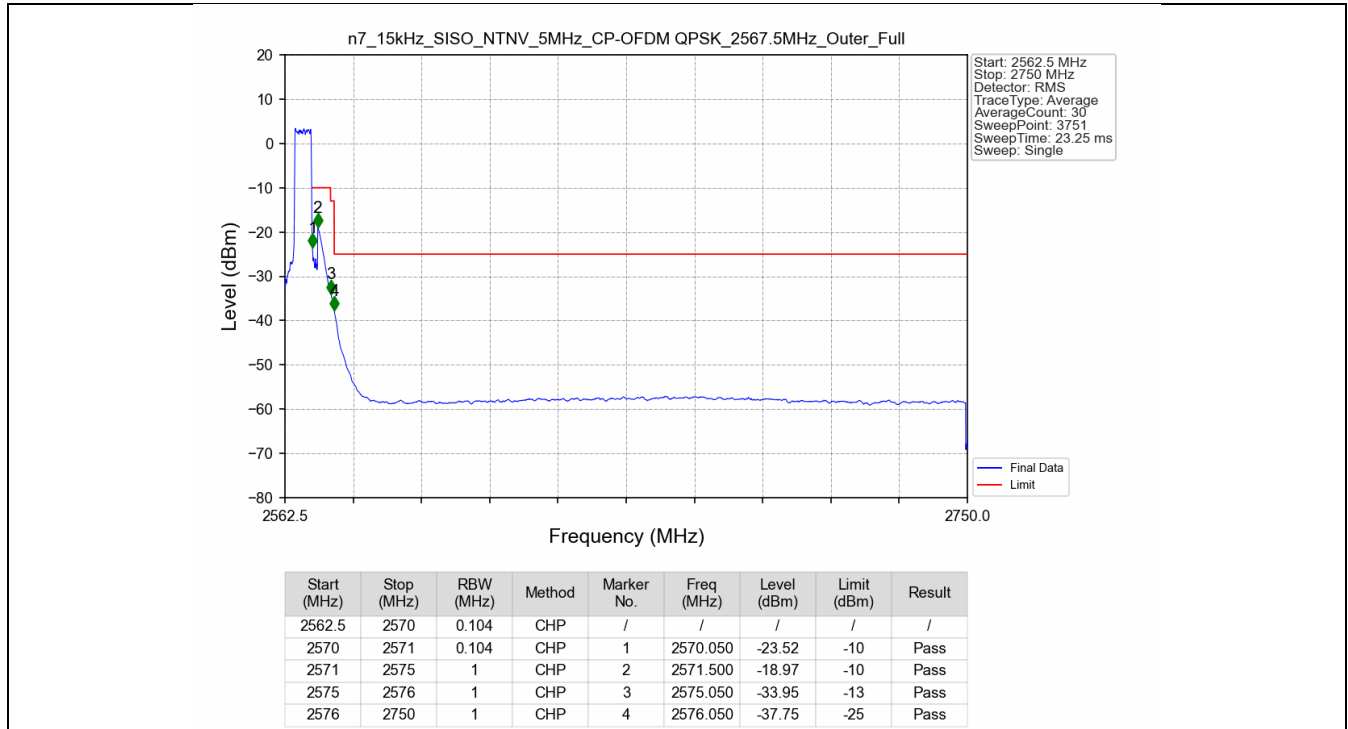
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant4



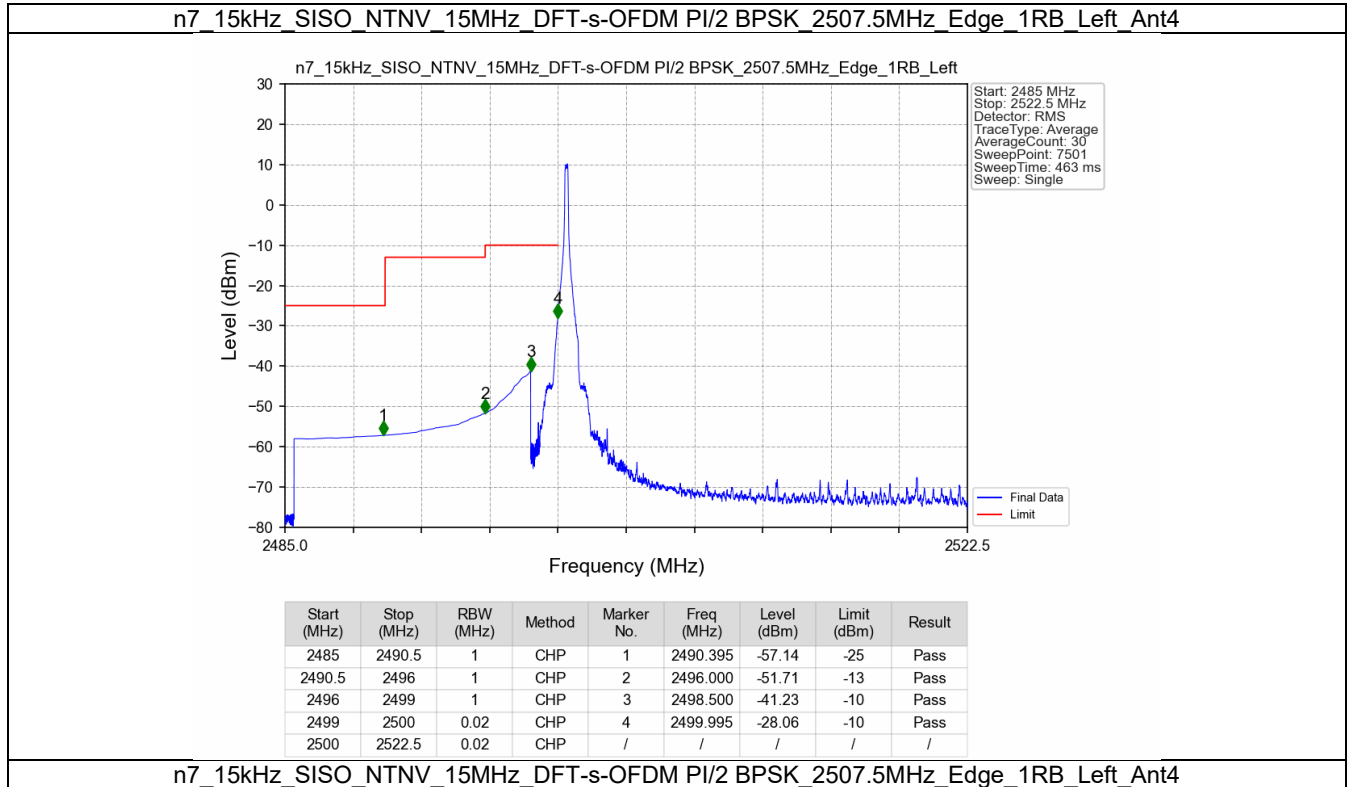
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	945.700	-58.36	-25	Pass

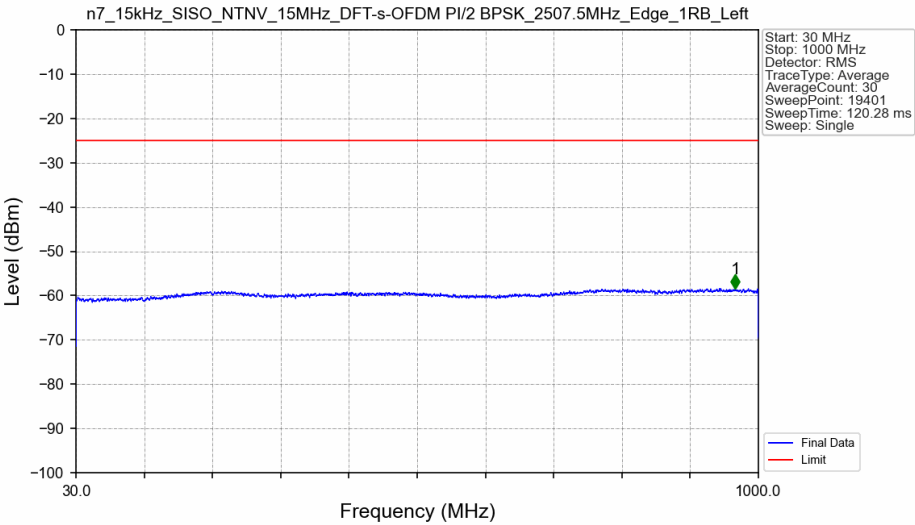


n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2567.5MHz_Outer_Full_Ant4



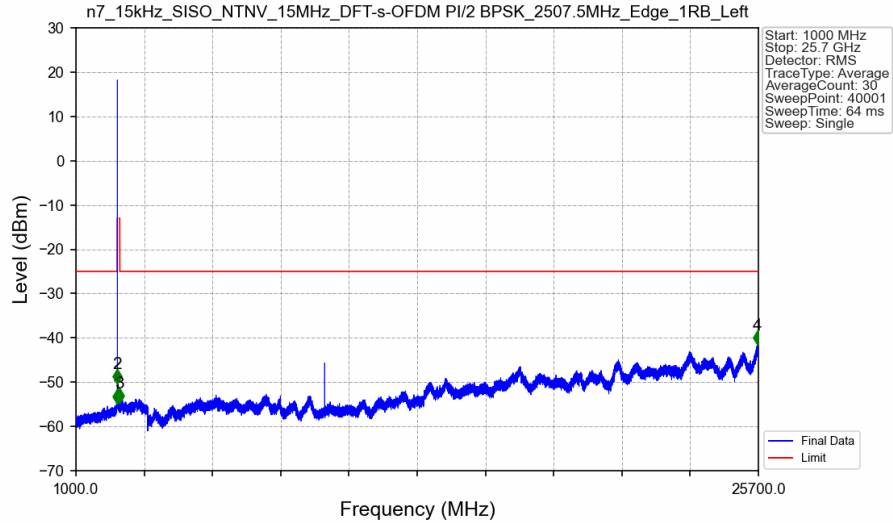
5.2.2 15_S_15M_NTNV





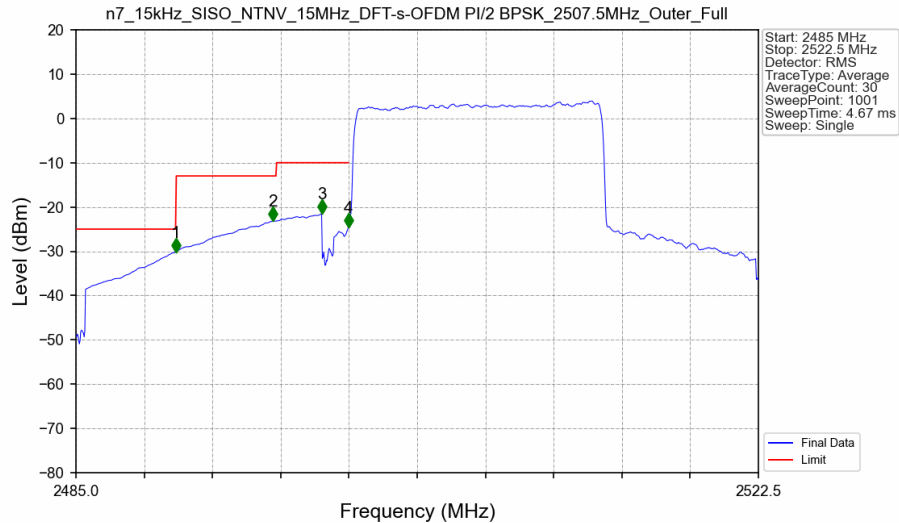
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	967.000	-58.33	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2507.5MHz_Edge_1RB_Left_Ant4

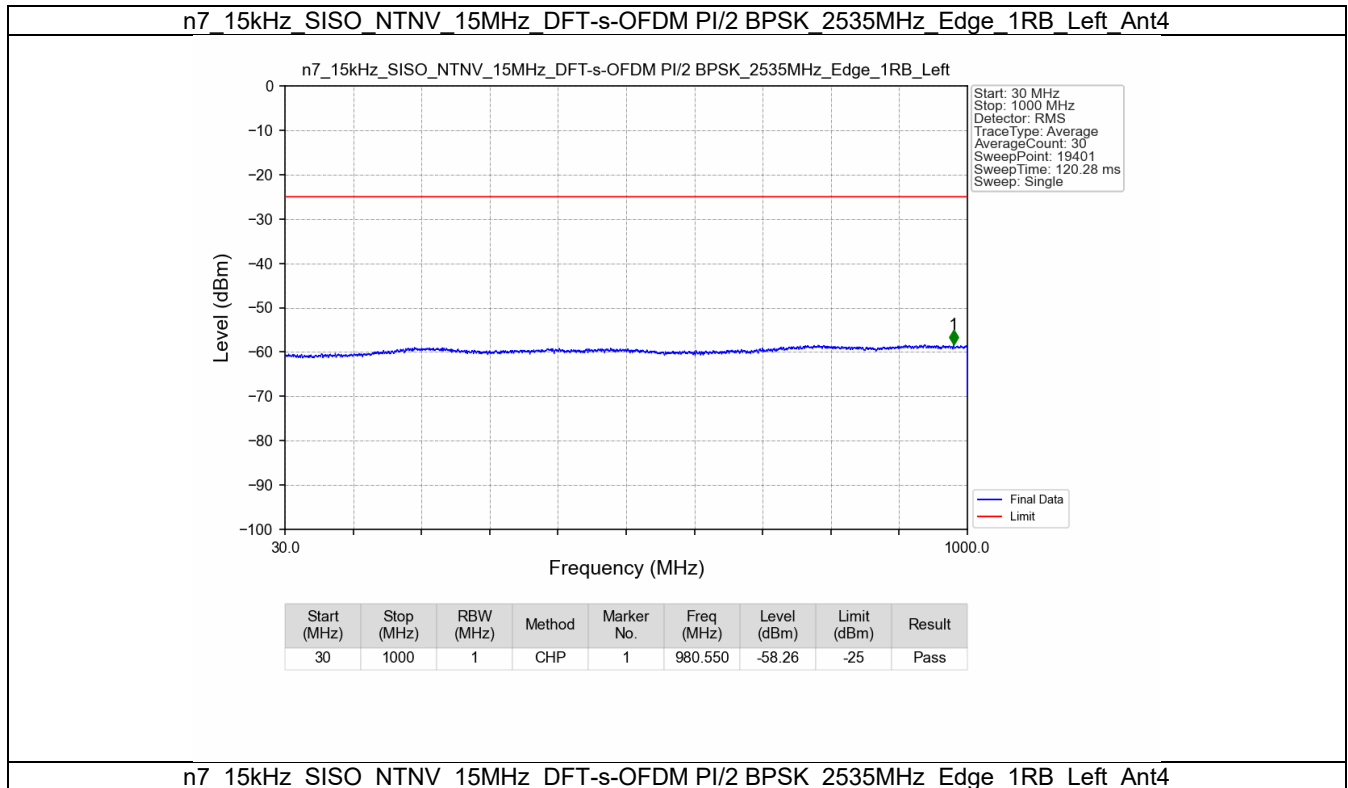


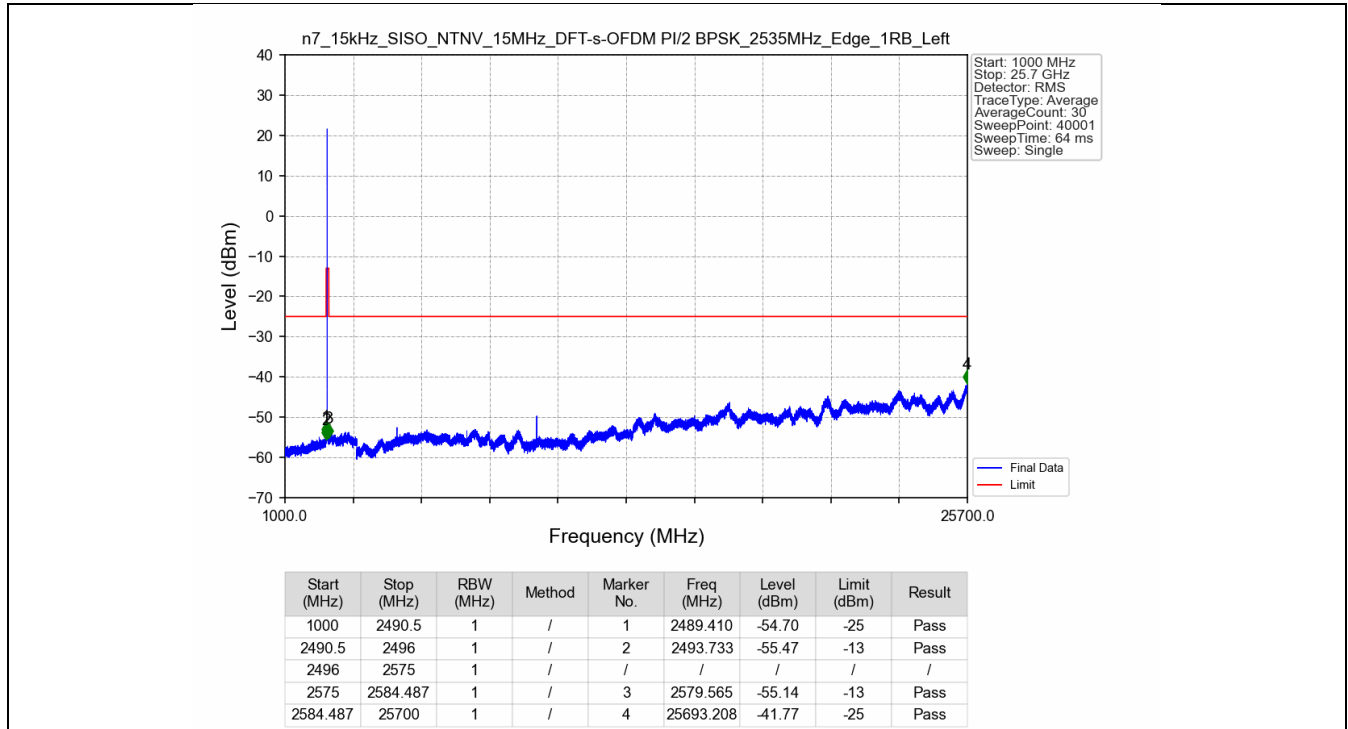
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2482.000	-54.85	-25	Pass
2490.5	2496	1	/	2	2494.968	-50.29	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2584.368	1	/	3	2578.330	-54.68	-13	Pass
2584.368	25700	1	/	4	25667.890	-41.45	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2507.5MHz_Outer_Full_Ant4

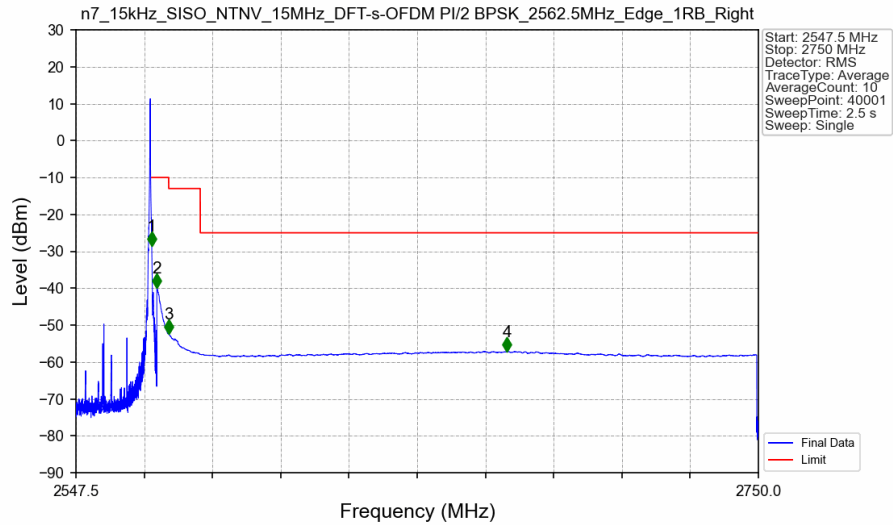


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.475	-30.22	-25	Pass
2490.5	2496	1	CHP	2	2495.838	-23.14	-13	Pass
2496	2499	1	CHP	3	2498.500	-21.56	-10	Pass
2499	2500	0.287	CHP	4	2499.963	-24.58	-10	Pass
2500	2522.5	0.287	CHP	/	/	/	/	/



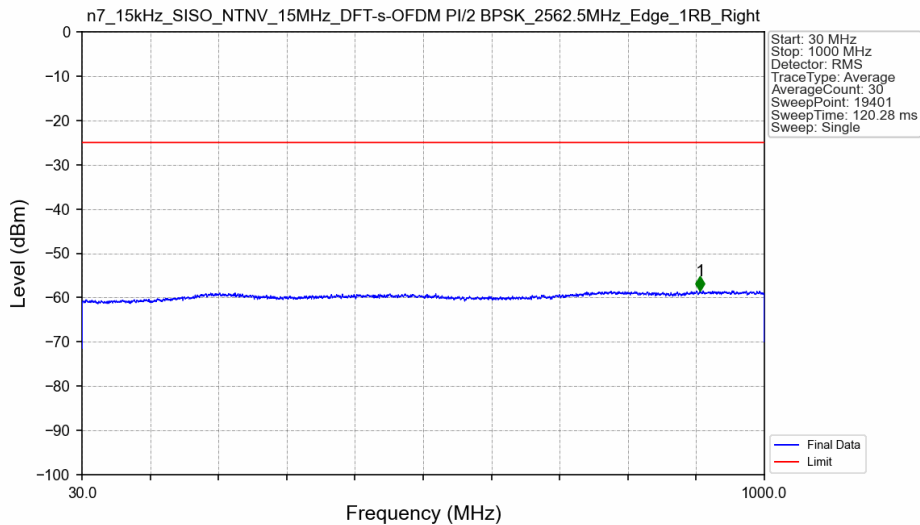


n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_2562.5MHz_Edge_1RB_Right_Ant4

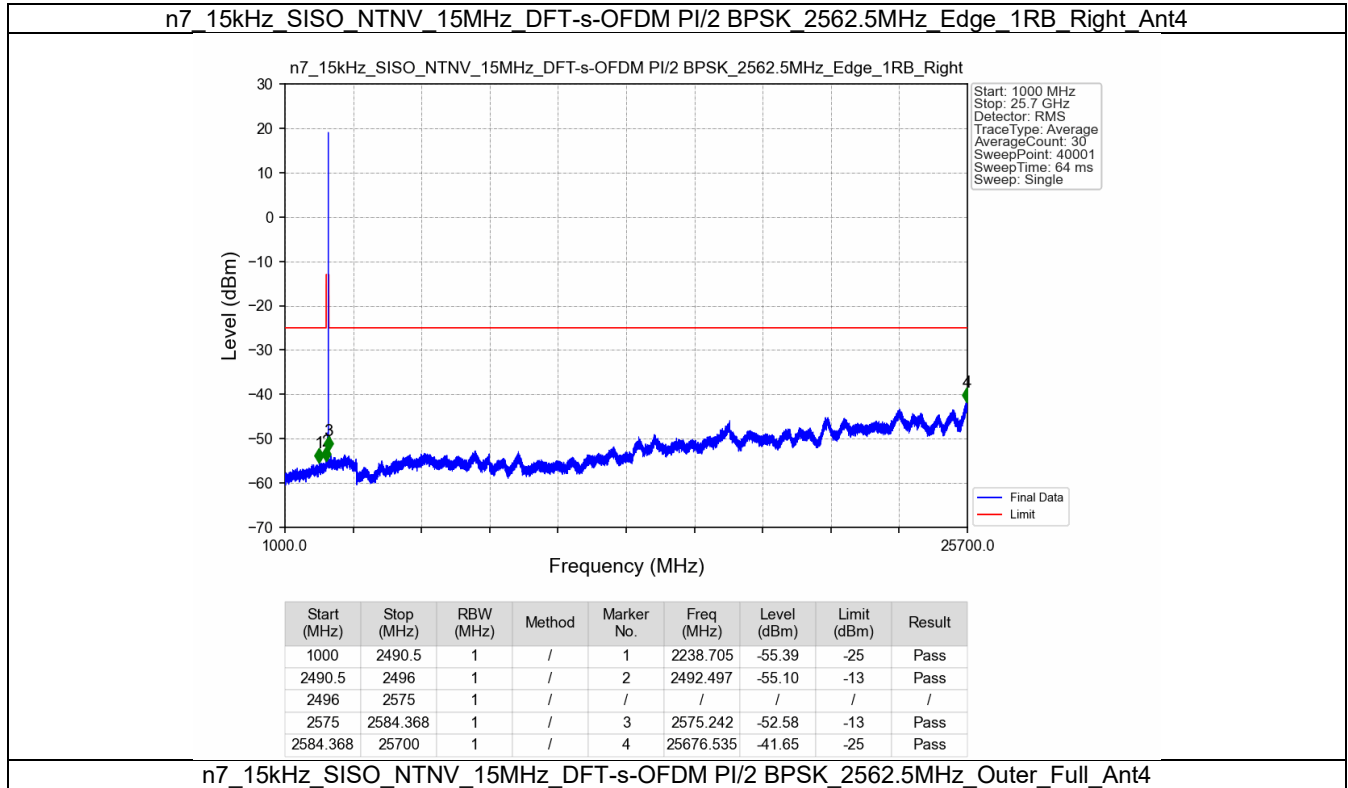


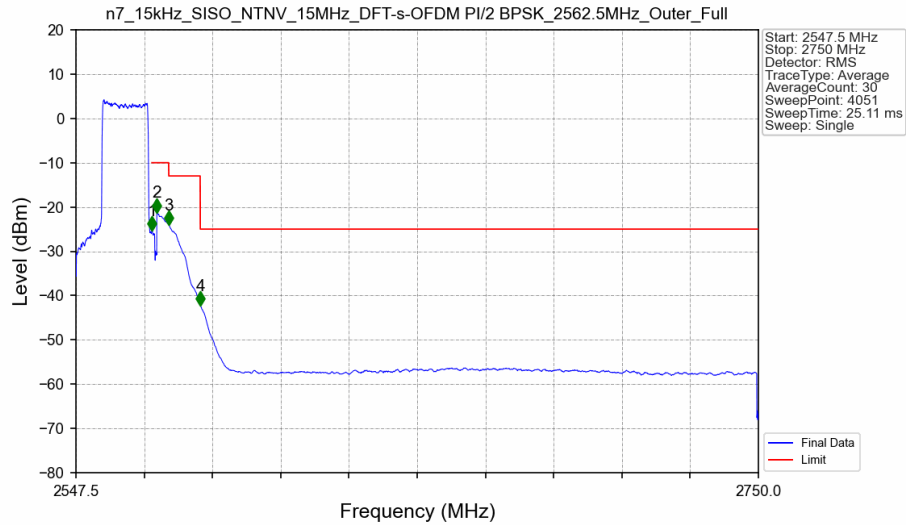
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.003	-28.61	-10	Pass
2571	2575	1	CHP	2	2571.501	-39.94	-10	Pass
2575	2584.368	1	CHP	3	2575.005	-52.37	-13	Pass
2584.368	2750	1	CHP	4	2675.409	-57.12	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_2562.5MHz_Edge_1RB_Right_Ant4



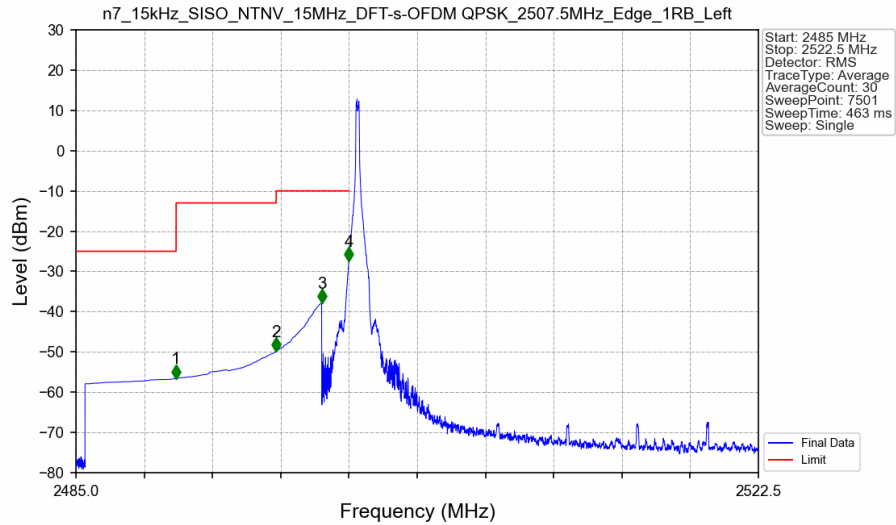
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	908.500	-58.39	-25	Pass





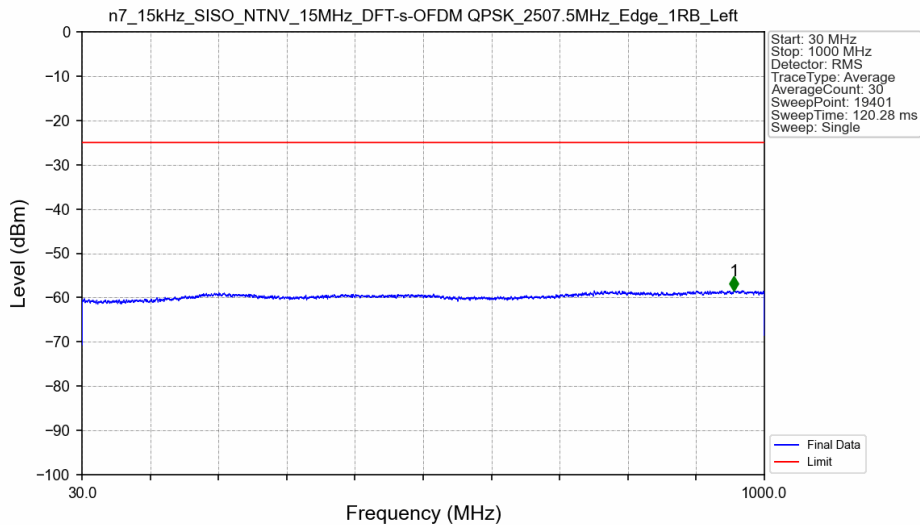
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.287	CHP	/	/	/	/	/
2570	2571	0.287	CHP	1	2570.050	-25.36	-10	Pass
2571	2575	1	CHP	2	2571.500	-21.20	-10	Pass
2575	2584.368	1	CHP	3	2575.050	-23.94	-13	Pass
2584.368	2750	1	CHP	4	2584.400	-42.18	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2507.5MHz_Edge_1RB_Left_Ant4



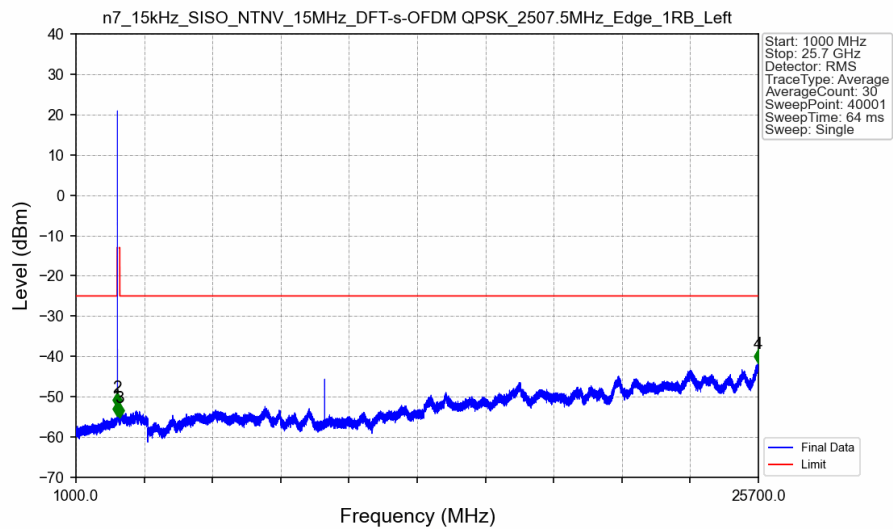
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-56.60	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-49.80	-13	Pass
2496	2499	1	CHP	3	2498.500	-37.77	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-27.52	-10	Pass
2500	2522.5	0.02	CHP	/	/	/	/	/

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2507.5MHz_Edge_1RB_Left_Ant4



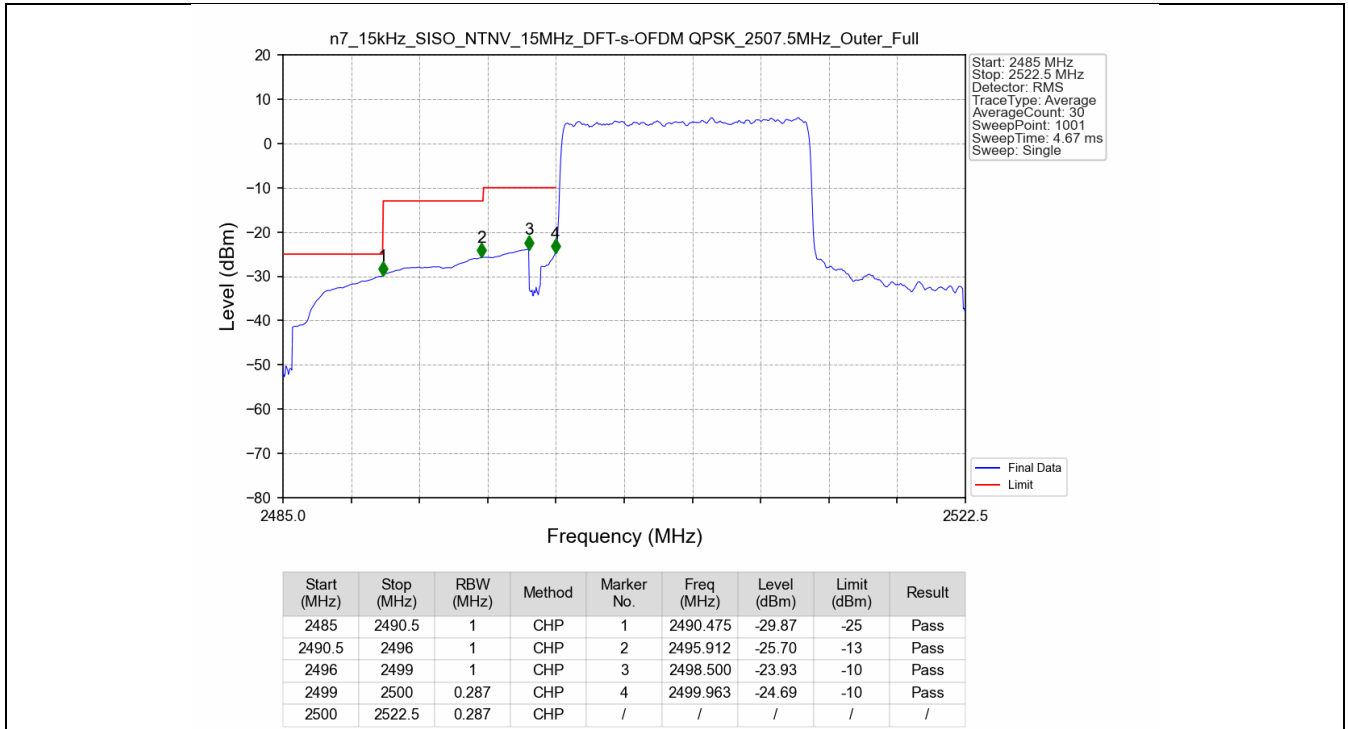
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	956.550	-58.37	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2507.5MHz_Edge_1RB_Left_Ant4

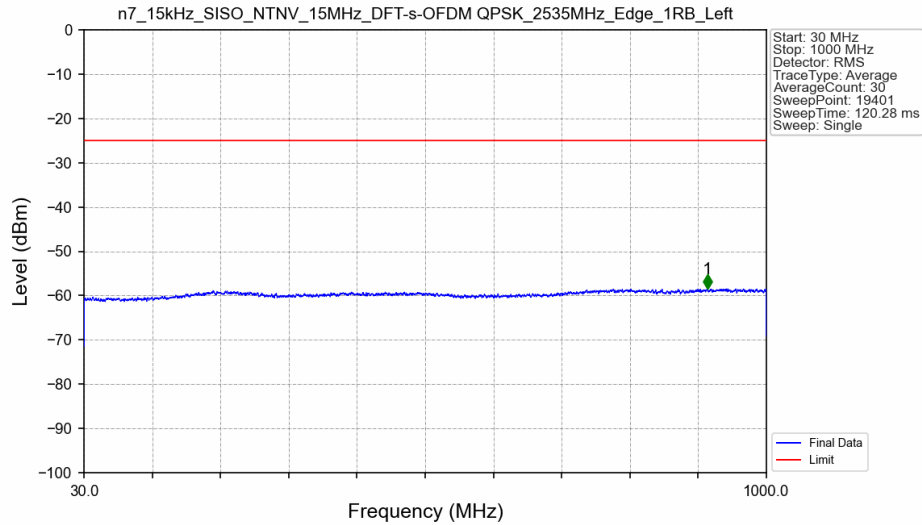


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2488.793	-54.71	-25	Pass
2490.5	2496	1	/	2	2494.350	-52.42	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2584.368	1	/	3	2579.565	-55.16	-13	Pass
2584.368	25700	1	/	4	25698.147	-41.70	-25	Pass

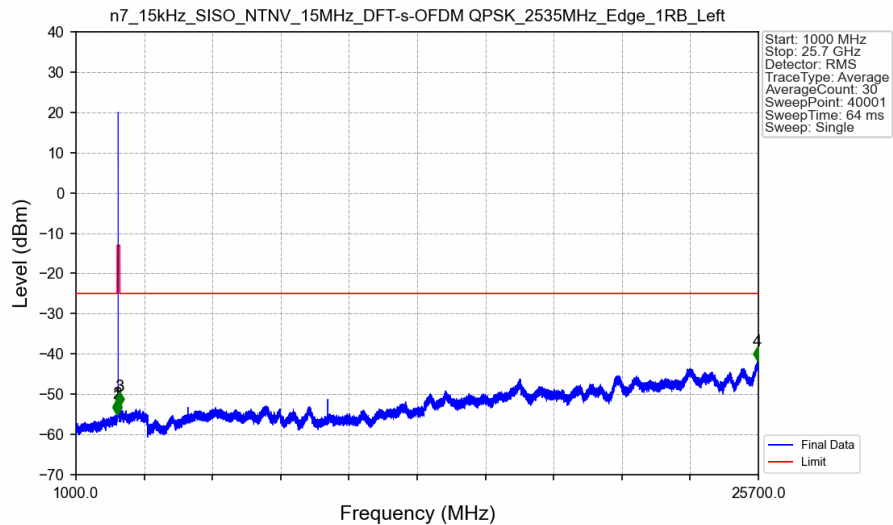
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2507.5MHz_Outer_Full_Ant4



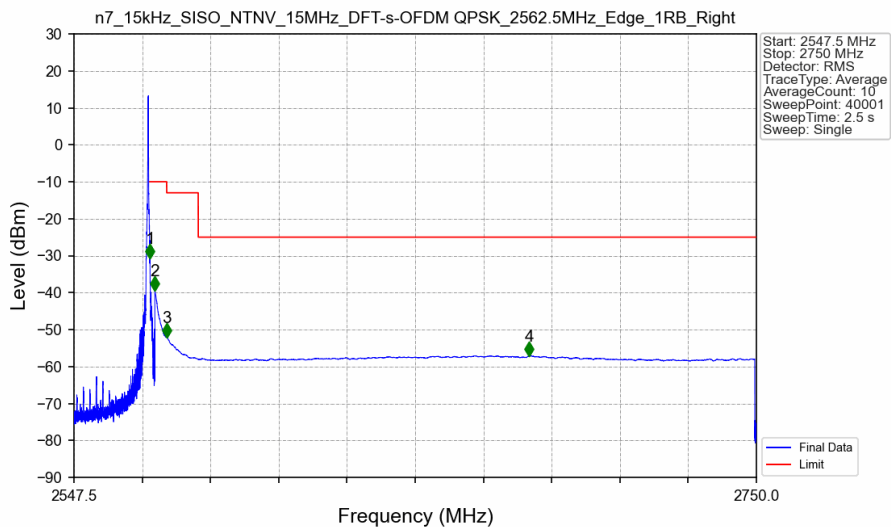
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2535MHz_Edge_1RB_Left_Ant4



n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2535MHz_Edge_1RB_Left_Ant4

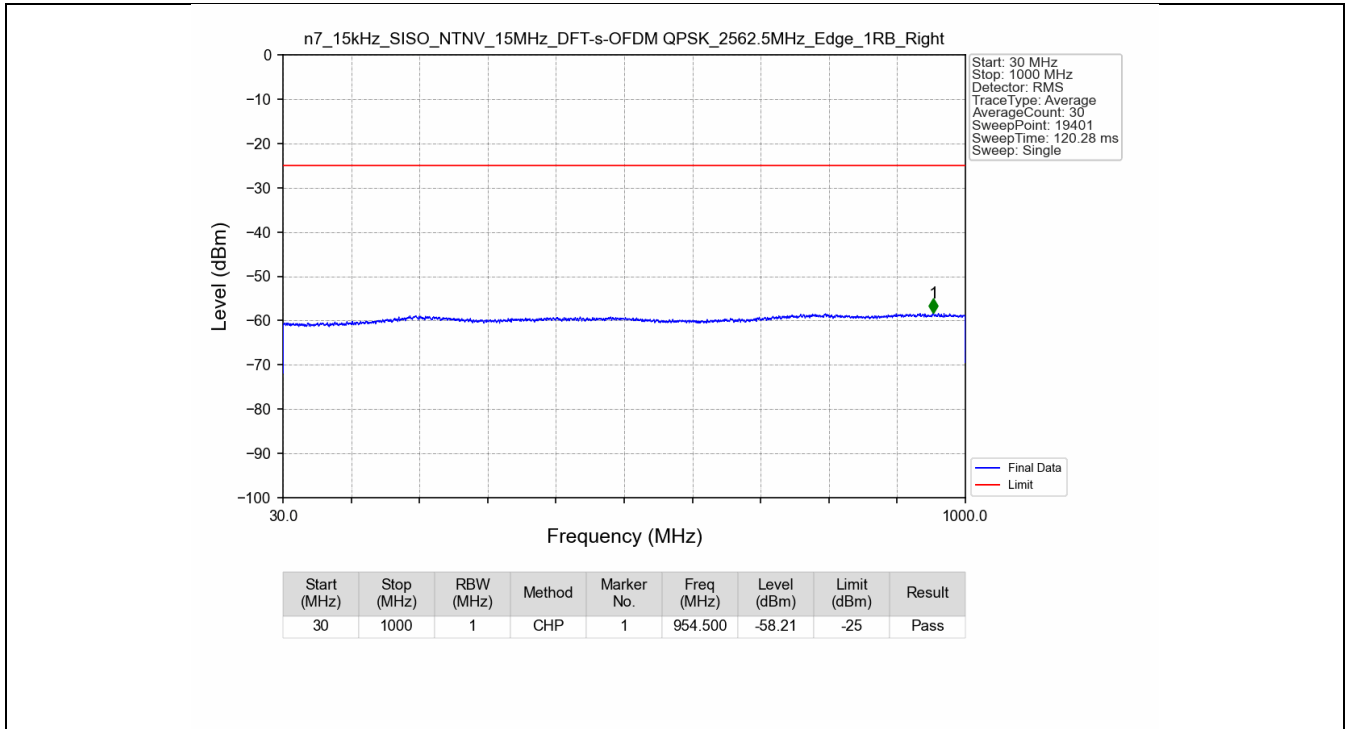


n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2562.5MHz_Edge_1RB_Right_Ant4

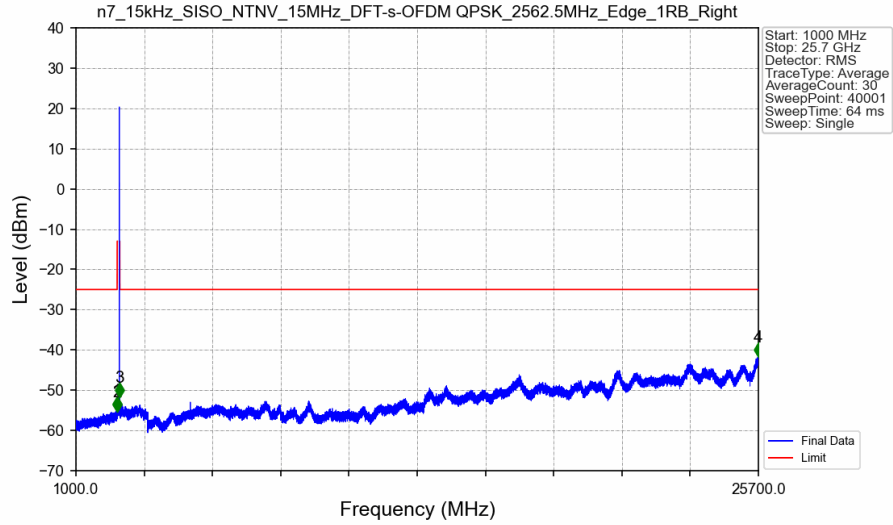


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.048	-30.77	-10	Pass
2571	2575	1	CHP	2	2571.501	-39.49	-10	Pass
2575	2584.368	1	CHP	3	2575.005	-52.04	-13	Pass
2584.368	2750	1	CHP	4	2682.542	-57.08	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2562.5MHz_Edge_1RB_Right_Ant4

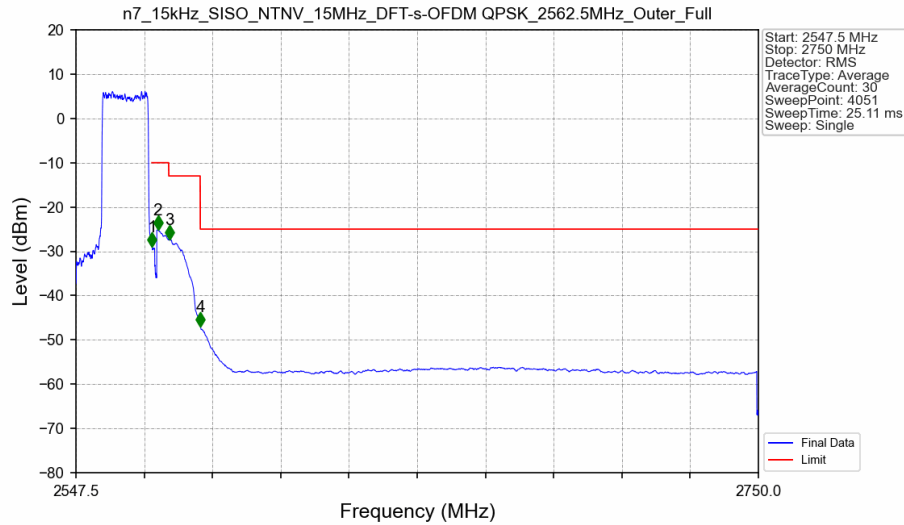


n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2562.5MHz_Edge_1RB_Right_Ant4



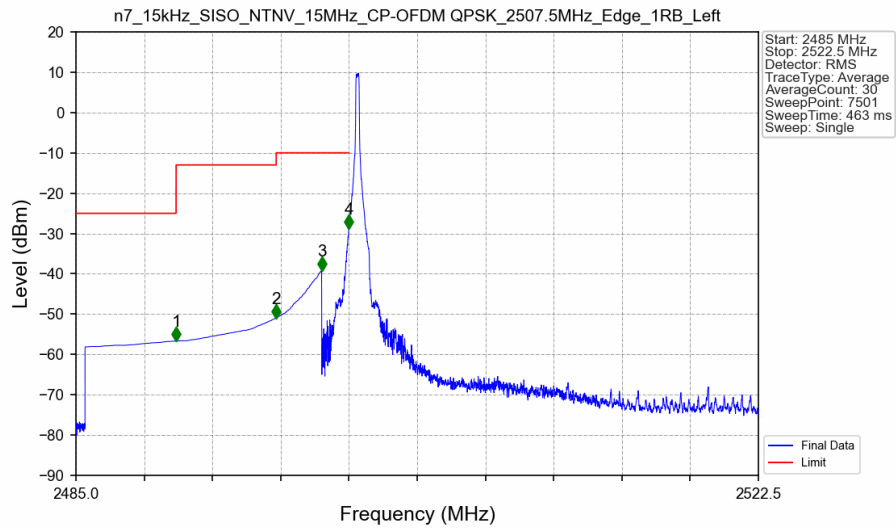
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2485.705	-55.01	-25	Pass
2490.5	2496	1	/	2	2493.115	-55.34	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2584.368	1	/	3	2576.477	-51.72	-13	Pass
2584.368	25700	1	/	4	25698.147	-41.70	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2562.5MHz_Outer_Full_Ant4

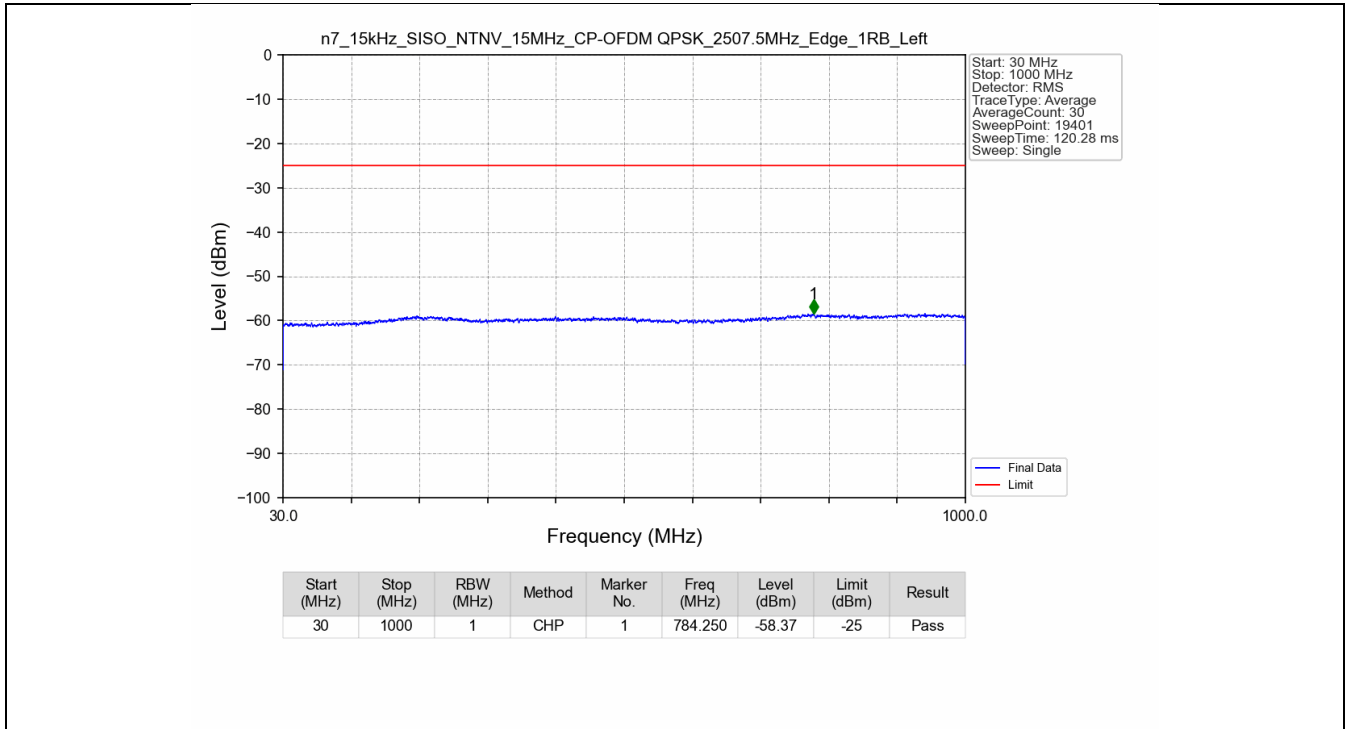


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.287	CHP	/	/	/	/	/
2570	2571	0.287	CHP	1	2570.050	-28.94	-10	Pass
2571	2575	1	CHP	2	2571.800	-25.19	-10	Pass
2575	2584.368	1	CHP	3	2575.250	-27.32	-13	Pass
2584.368	2750	1	CHP	4	2584.400	-46.89	-25	Pass

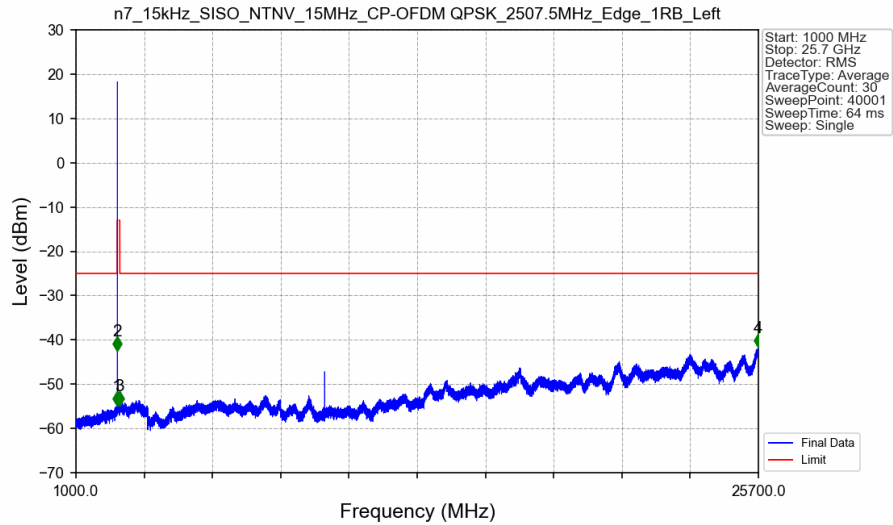
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_2507.5MHz_Edge_1RB_Left_Ant4



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_2507.5MHz_Edge_1RB_Left_Ant4

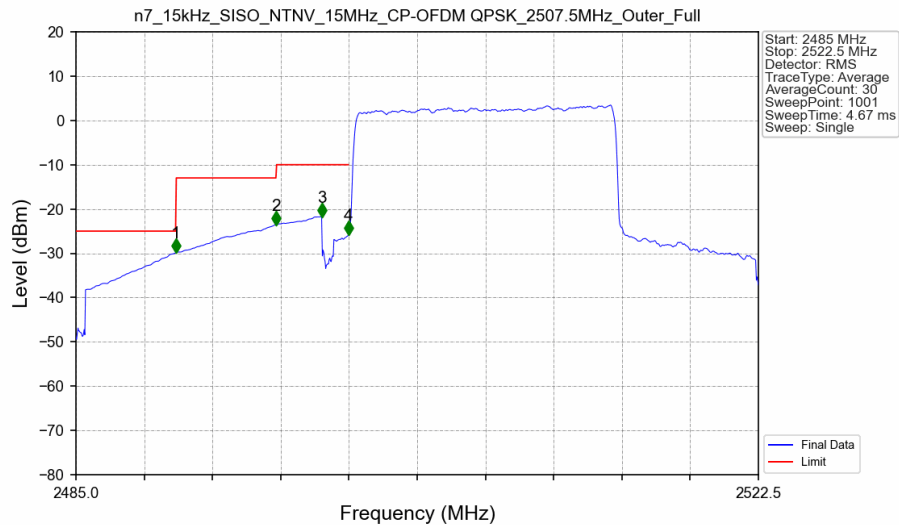


n7_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK 2507.5MHz_Edge_1RB_Left_Ant4



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2477.677	-54.82	-25	Pass
2490.5	2496	1	/	2	2494.968	-42.44	-13	Pass
2496	2575	1	/	/	/	/	/	/
2575	2584.368	1	/	3	2577.095	-54.83	-13	Pass
2584.368	25700	1	/	4	25697.530	-41.73	-25	Pass

n7_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK 2507.5MHz_Outer_Full_Ant4



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.475	-29.93	-25	Pass
2490.5	2496	1	CHP	2	2495.988	-23.58	-13	Pass
2496	2499	1	CHP	3	2498.500	-21.77	-10	Pass
2499	2500	0.287	CHP	4	2499.963	-25.89	-10	Pass
2500	2522.5	0.287	CHP	/	/	/	/	/

