

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
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2502.5	Edge_1RB_Left	22.21	/	/	21.62	/	/	<=33.01	Pass
		Edge_1RB_Right	22.28	/	/	21.69	/	/	<=33.01	Pass
		Outer_Full	22.21	/	/	21.62	/	/	<=33.01	Pass
		Inner_Full	22.69	/	/	22.10	/	/	<=33.01	Pass
		Inner_1RB_Left	22.79	/	/	22.20	/	/	<=33.01	Pass
		Inner_1RB_Right	22.77	/	/	22.18	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	22.10	/	/	21.51	/	/	<=33.01	Pass
		Edge_1RB_Right	22.13	/	/	21.54	/	/	<=33.01	Pass
		Outer_Full	22.10	/	/	21.51	/	/	<=33.01	Pass
		Inner_Full	22.59	/	/	22.00	/	/	<=33.01	Pass
		Inner_1RB_Left	22.51	/	/	21.92	/	/	<=33.01	Pass
		Inner_1RB_Right	22.55	/	/	21.96	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	22.17	/	/	21.58	/	/	<=33.01	Pass
		Edge_1RB_Right	22.06	/	/	21.47	/	/	<=33.01	Pass
		Outer_Full	22.09	/	/	21.50	/	/	<=33.01	Pass
		Inner_Full	22.58	/	/	21.99	/	/	<=33.01	Pass
		Inner_1RB_Left	22.64	/	/	22.05	/	/	<=33.01	Pass
		Inner_1RB_Right	22.65	/	/	22.06	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2502.5	Edge_1RB_Left	21.74	/	/	21.15	/	/	<=33.01	Pass
		Edge_1RB_Right	21.78	/	/	21.19	/	/	<=33.01	Pass
		Outer_Full	21.72	/	/	21.13	/	/	<=33.01	Pass
		Inner_Full	22.72	/	/	22.13	/	/	<=33.01	Pass
		Inner_1RB_Left	22.75	/	/	22.16	/	/	<=33.01	Pass
		Inner_1RB_Right	22.78	/	/	22.19	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	21.50	/	/	20.91	/	/	<=33.01	Pass
		Edge_1RB_Right	21.58	/	/	20.99	/	/	<=33.01	Pass
		Outer_Full	21.54	/	/	20.95	/	/	<=33.01	Pass
		Inner_Full	22.57	/	/	21.98	/	/	<=33.01	Pass
		Inner_1RB_Left	22.48	/	/	21.89	/	/	<=33.01	Pass
		Inner_1RB_Right	22.57	/	/	21.98	/	/	<=33.01	Pass
	2567.5	Edge_1RB_Left	21.65	/	/	21.06	/	/	<=33.01	Pass
		Edge_1RB_Right	21.63	/	/	21.04	/	/	<=33.01	Pass
		Outer_Full	21.58	/	/	20.99	/	/	<=33.01	Pass
		Inner_Full	22.60	/	/	22.01	/	/	<=33.01	Pass
		Inner_1RB_Left	22.66	/	/	22.07	/	/	<=33.01	Pass
		Inner_1RB_Right	22.66	/	/	22.07	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2502.5	Edge_1RB_Left	20.94	/	/	20.35	/	/	<=33.01	Pass
		Edge_1RB_Right	20.80	/	/	20.21	/	/	<=33.01	Pass
		Outer_Full	20.87	/	/	20.28	/	/	<=33.01	Pass
		Inner_Full	21.87	/	/	21.28	/	/	<=33.01	Pass
		Inner_1RB_Left	21.87	/	/	21.28	/	/	<=33.01	Pass

	2535	Inner 1RB Right	21.87	/	/	21.28	/	/	<=33.01	Pass
		Edge 1RB Left	20.70	/	/	20.11	/	/	<=33.01	Pass
		Edge 1RB Right	20.80	/	/	20.21	/	/	<=33.01	Pass
		Outer Full	20.60	/	/	20.01	/	/	<=33.01	Pass
		Inner Full	21.55	/	/	20.96	/	/	<=33.01	Pass
		Inner 1RB Left	21.59	/	/	21.00	/	/	<=33.01	Pass
	2567.5	Inner 1RB Right	21.78	/	/	21.19	/	/	<=33.01	Pass
		Edge 1RB Left	20.84	/	/	20.25	/	/	<=33.01	Pass
		Edge 1RB Right	20.52	/	/	19.93	/	/	<=33.01	Pass
		Outer Full	20.73	/	/	20.14	/	/	<=33.01	Pass
		Inner Full	21.71	/	/	21.12	/	/	<=33.01	Pass
		Inner 1RB Left	21.77	/	/	21.18	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2502.5	Inner 1RB Right	21.49	/	/	20.90	/	/	<=33.01	Pass
		Edge 1RB Left	20.53	/	/	19.94	/	/	<=33.01	Pass
		Edge 1RB Right	20.50	/	/	19.91	/	/	<=33.01	Pass
		Outer Full	20.34	/	/	19.75	/	/	<=33.01	Pass
		Inner Full	20.46	/	/	19.87	/	/	<=33.01	Pass
		Inner 1RB Left	20.58	/	/	19.99	/	/	<=33.01	Pass
	2535	Inner 1RB Right	20.61	/	/	20.02	/	/	<=33.01	Pass
		Edge 1RB Left	20.27	/	/	19.68	/	/	<=33.01	Pass
		Edge 1RB Right	20.34	/	/	19.75	/	/	<=33.01	Pass
		Outer Full	20.07	/	/	19.48	/	/	<=33.01	Pass
		Inner Full	20.18	/	/	19.59	/	/	<=33.01	Pass
		Inner 1RB Left	20.36	/	/	19.77	/	/	<=33.01	Pass
	2567.5	Inner 1RB Right	20.35	/	/	19.76	/	/	<=33.01	Pass
		Edge 1RB Left	20.43	/	/	19.84	/	/	<=33.01	Pass
		Edge 1RB Right	20.27	/	/	19.68	/	/	<=33.01	Pass
		Outer Full	20.14	/	/	19.55	/	/	<=33.01	Pass
		Inner Full	20.33	/	/	19.74	/	/	<=33.01	Pass
		Inner 1RB Left	20.33	/	/	19.74	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2502.5	Inner 1RB Right	20.48	/	/	19.89	/	/	<=33.01	Pass
		Edge 1RB Left	17.66	/	/	17.07	/	/	<=33.01	Pass
		Edge 1RB Right	17.62	/	/	17.03	/	/	<=33.01	Pass
		Outer Full	18.21	/	/	17.62	/	/	<=33.01	Pass
		Inner Full	18.31	/	/	17.72	/	/	<=33.01	Pass
		Inner 1RB Left	17.61	/	/	17.02	/	/	<=33.01	Pass
	2535	Inner 1RB Right	17.60	/	/	17.01	/	/	<=33.01	Pass
		Edge 1RB Left	17.44	/	/	16.85	/	/	<=33.01	Pass
		Edge 1RB Right	17.44	/	/	16.85	/	/	<=33.01	Pass
		Outer Full	17.94	/	/	17.35	/	/	<=33.01	Pass
		Inner Full	18.07	/	/	17.48	/	/	<=33.01	Pass
		Inner 1RB Left	17.37	/	/	16.78	/	/	<=33.01	Pass
	2567.5	Inner 1RB Right	17.44	/	/	16.85	/	/	<=33.01	Pass
		Edge 1RB Left	17.55	/	/	16.96	/	/	<=33.01	Pass
		Edge 1RB Right	17.57	/	/	16.98	/	/	<=33.01	Pass
		Outer Full	18.09	/	/	17.50	/	/	<=33.01	Pass
		Inner Full	18.05	/	/	17.46	/	/	<=33.01	Pass
		Inner 1RB Left	17.55	/	/	16.96	/	/	<=33.01	Pass
CP-OFDM QPSK	2502.5	Inner 1RB Right	17.54	/	/	16.95	/	/	<=33.01	Pass
		Edge 1RB Left	19.78	/	/	19.19	/	/	<=33.01	Pass
		Edge 1RB Right	19.76	/	/	19.17	/	/	<=33.01	Pass

		Outer_Full	19.73	/	/	19.14	/	/	<=33.01	Pass
		Inner_Full	21.44	/	/	20.85	/	/	<=33.01	Pass
		Inner_1RB_Left	21.18	/	/	20.59	/	/	<=33.01	Pass
		Inner_1RB_Right	21.26	/	/	20.67	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.48	/	/	18.89	/	/	<=33.01	Pass
		Edge_1RB_Right	19.66	/	/	19.07	/	/	<=33.01	Pass
		Outer_Full	19.52	/	/	18.93	/	/	<=33.01	Pass
		Inner_Full	21.09	/	/	20.50	/	/	<=33.01	Pass
	2567.5	Inner_1RB_Left	20.93	/	/	20.34	/	/	<=33.01	Pass
		Inner_1RB_Right	21.06	/	/	20.47	/	/	<=33.01	Pass
		Edge_1RB_Left	19.56	/	/	18.97	/	/	<=33.01	Pass
		Edge_1RB_Right	19.52	/	/	18.93	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2502.5	Outer_Full	19.60	/	/	19.01	/	/	<=33.01	Pass
		Inner_Full	21.21	/	/	20.62	/	/	<=33.01	Pass
		Inner_1RB_Left	21.10	/	/	20.51	/	/	<=33.01	Pass
		Inner_1RB_Right	21.11	/	/	20.52	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.87	/	/	19.28	/	/	<=33.01	Pass
		Edge_1RB_Right	19.76	/	/	19.17	/	/	<=33.01	Pass
		Outer_Full	19.81	/	/	19.22	/	/	<=33.01	Pass
		Inner_Full	20.70	/	/	20.11	/	/	<=33.01	Pass
	2567.5	Inner_1RB_Left	20.83	/	/	20.24	/	/	<=33.01	Pass
		Inner_1RB_Right	20.78	/	/	20.19	/	/	<=33.01	Pass
		Edge_1RB_Left	19.37	/	/	18.78	/	/	<=33.01	Pass
		Edge_1RB_Right	19.34	/	/	18.75	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2502.5	Outer_Full	19.60	/	/	19.01	/	/	<=33.01	Pass
		Inner_Full	20.45	/	/	19.86	/	/	<=33.01	Pass
		Inner_1RB_Left	20.55	/	/	19.96	/	/	<=33.01	Pass
		Inner_1RB_Right	20.48	/	/	19.89	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.49	/	/	18.90	/	/	<=33.01	Pass
		Edge_1RB_Right	19.58	/	/	18.99	/	/	<=33.01	Pass
		Outer_Full	19.67	/	/	19.08	/	/	<=33.01	Pass
		Inner_Full	20.55	/	/	19.96	/	/	<=33.01	Pass
	2567.5	Inner_1RB_Left	20.60	/	/	20.01	/	/	<=33.01	Pass
		Inner_1RB_Right	20.63	/	/	20.04	/	/	<=33.01	Pass
		Edge_1RB_Left	19.33	/	/	18.74	/	/	<=33.01	Pass
		Edge_1RB_Right	19.19	/	/	18.60	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2502.5	Outer_Full	19.27	/	/	18.68	/	/	<=33.01	Pass
		Inner_Full	19.32	/	/	18.73	/	/	<=33.01	Pass
		Inner_1RB_Left	19.28	/	/	18.69	/	/	<=33.01	Pass
		Inner_1RB_Right	19.31	/	/	18.72	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	18.90	/	/	18.31	/	/	<=33.01	Pass
		Edge_1RB_Right	19.07	/	/	18.48	/	/	<=33.01	Pass
		Outer_Full	19.03	/	/	18.44	/	/	<=33.01	Pass
		Inner_Full	19.14	/	/	18.55	/	/	<=33.01	Pass
	2567.5	Inner_1RB_Left	19.00	/	/	18.41	/	/	<=33.01	Pass
		Inner_1RB_Right	19.10	/	/	18.51	/	/	<=33.01	Pass
		Edge_1RB_Left	19.10	/	/	18.51	/	/	<=33.01	Pass
		Edge_1RB_Right	19.04	/	/	18.45	/	/	<=33.01	Pass
	2567.5	Outer_Full	19.18	/	/	18.59	/	/	<=33.01	Pass
		Inner_Full	19.23	/	/	18.64	/	/	<=33.01	Pass
		Inner_1RB_Left	19.12	/	/	18.53	/	/	<=33.01	Pass
		Inner_1RB_Right	19.12	/	/	18.53	/	/	<=33.01	Pass

CP-OFDM 256 QAM	2502.5	Inner 1RB Right	19.11	/	/	18.52	/	/	<=33.01	Pass
		Edge 1RB Left	15.91	/	/	15.32	/	/	<=33.01	Pass
		Edge 1RB Right	16.04	/	/	15.45	/	/	<=33.01	Pass
		Outer Full	16.34	/	/	15.75	/	/	<=33.01	Pass
		Inner Full	16.29	/	/	15.70	/	/	<=33.01	Pass
		Inner 1RB Left	15.95	/	/	15.36	/	/	<=33.01	Pass
	2535	Inner 1RB Right	15.95	/	/	15.36	/	/	<=33.01	Pass
		Edge 1RB Left	15.53	/	/	14.94	/	/	<=33.01	Pass
		Edge 1RB Right	15.64	/	/	15.05	/	/	<=33.01	Pass
		Outer Full	15.96	/	/	15.37	/	/	<=33.01	Pass
		Inner Full	15.88	/	/	15.29	/	/	<=33.01	Pass
		Inner 1RB Left	15.83	/	/	15.24	/	/	<=33.01	Pass
	2567.5	Inner 1RB Right	15.71	/	/	15.12	/	/	<=33.01	Pass
		Edge 1RB Left	15.73	/	/	15.14	/	/	<=33.01	Pass
		Edge 1RB Right	15.79	/	/	15.20	/	/	<=33.01	Pass
		Outer Full	16.18	/	/	15.59	/	/	<=33.01	Pass
		Inner Full	16.09	/	/	15.50	/	/	<=33.01	Pass
		Inner 1RB Left	15.90	/	/	15.31	/	/	<=33.01	Pass
		Inner 1RB Right	15.80	/	/	15.21	/	/	<=33.01	Pass

Note1: Antenna Gain: Ant5: -0.59dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.2 15_S_10M_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 10MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	2505	Edge 1RB Left	22.01	/	/	21.42	/	/	<=33.01	Pass
		Edge 1RB Right	22.13	/	/	21.54	/	/	<=33.01	Pass
		Outer Full	22.00	/	/	21.41	/	/	<=33.01	Pass
		Inner Full	22.55	/	/	21.96	/	/	<=33.01	Pass
		Inner 1RB Left	22.56	/	/	21.97	/	/	<=33.01	Pass
		Inner 1RB Right	22.60	/	/	22.01	/	/	<=33.01	Pass
	2535	Edge 1RB Left	22.09	/	/	21.50	/	/	<=33.01	Pass
		Edge 1RB Right	22.12	/	/	21.53	/	/	<=33.01	Pass
		Outer Full	22.09	/	/	21.50	/	/	<=33.01	Pass
		Inner Full	22.61	/	/	22.02	/	/	<=33.01	Pass
		Inner 1RB Left	22.63	/	/	22.04	/	/	<=33.01	Pass
		Inner 1RB Right	22.65	/	/	22.06	/	/	<=33.01	Pass
	2565	Edge 1RB Left	22.17	/	/	21.58	/	/	<=33.01	Pass
		Edge 1RB Right	22.05	/	/	21.46	/	/	<=33.01	Pass
		Outer Full	22.13	/	/	21.54	/	/	<=33.01	Pass
		Inner Full	22.59	/	/	22.00	/	/	<=33.01	Pass
		Inner 1RB Left	22.59	/	/	22.00	/	/	<=33.01	Pass
		Inner 1RB Right	22.55	/	/	21.96	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2505	Edge 1RB Left	21.59	/	/	21.00	/	/	<=33.01	Pass
		Edge 1RB Right	21.65	/	/	21.06	/	/	<=33.01	Pass
		Outer Full	21.55	/	/	20.96	/	/	<=33.01	Pass
		Inner Full	22.55	/	/	21.96	/	/	<=33.01	Pass
		Inner 1RB Left	22.59	/	/	22.00	/	/	<=33.01	Pass

	2535	Inner 1RB Right	22.63	/	/	22.04	/	/	<=33.01	Pass
		Edge 1RB Left	21.67	/	/	21.08	/	/	<=33.01	Pass
		Edge 1RB Right	21.68	/	/	21.09	/	/	<=33.01	Pass
		Outer Full	21.49	/	/	20.90	/	/	<=33.01	Pass
		Inner Full	22.51	/	/	21.92	/	/	<=33.01	Pass
		Inner 1RB Left	22.57	/	/	21.98	/	/	<=33.01	Pass
	2565	Inner 1RB Right	22.64	/	/	22.05	/	/	<=33.01	Pass
		Edge 1RB Left	21.61	/	/	21.02	/	/	<=33.01	Pass
		Edge 1RB Right	21.60	/	/	21.01	/	/	<=33.01	Pass
		Outer Full	21.63	/	/	21.04	/	/	<=33.01	Pass
		Inner Full	22.59	/	/	22.00	/	/	<=33.01	Pass
		Inner 1RB Left	22.61	/	/	22.02	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2505	Inner 1RB Right	22.62	/	/	22.03	/	/	<=33.01	Pass
		Edge 1RB Left	20.69	/	/	20.10	/	/	<=33.01	Pass
		Edge 1RB Right	20.86	/	/	20.27	/	/	<=33.01	Pass
		Outer Full	20.56	/	/	19.97	/	/	<=33.01	Pass
		Inner Full	21.66	/	/	21.07	/	/	<=33.01	Pass
		Inner 1RB Left	21.53	/	/	20.94	/	/	<=33.01	Pass
	2535	Inner 1RB Right	21.70	/	/	21.11	/	/	<=33.01	Pass
		Edge 1RB Left	20.78	/	/	20.19	/	/	<=33.01	Pass
		Edge 1RB Right	20.83	/	/	20.24	/	/	<=33.01	Pass
		Outer Full	20.48	/	/	19.89	/	/	<=33.01	Pass
		Inner Full	21.62	/	/	21.03	/	/	<=33.01	Pass
		Inner 1RB Left	21.80	/	/	21.21	/	/	<=33.01	Pass
	2565	Inner 1RB Right	21.82	/	/	21.23	/	/	<=33.01	Pass
		Edge 1RB Left	20.82	/	/	20.23	/	/	<=33.01	Pass
		Edge 1RB Right	20.76	/	/	20.17	/	/	<=33.01	Pass
		Outer Full	20.56	/	/	19.97	/	/	<=33.01	Pass
		Inner Full	21.66	/	/	21.07	/	/	<=33.01	Pass
		Inner 1RB Left	21.79	/	/	21.20	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2505	Inner 1RB Right	21.65	/	/	21.06	/	/	<=33.01	Pass
		Edge 1RB Left	20.32	/	/	19.73	/	/	<=33.01	Pass
		Edge 1RB Right	20.27	/	/	19.68	/	/	<=33.01	Pass
		Outer Full	20.09	/	/	19.50	/	/	<=33.01	Pass
		Inner Full	20.13	/	/	19.54	/	/	<=33.01	Pass
		Inner 1RB Left	20.33	/	/	19.74	/	/	<=33.01	Pass
	2535	Inner 1RB Right	20.43	/	/	19.84	/	/	<=33.01	Pass
		Edge 1RB Left	20.33	/	/	19.74	/	/	<=33.01	Pass
		Edge 1RB Right	20.34	/	/	19.75	/	/	<=33.01	Pass
		Outer Full	19.96	/	/	19.37	/	/	<=33.01	Pass
		Inner Full	20.14	/	/	19.55	/	/	<=33.01	Pass
		Inner 1RB Left	20.28	/	/	19.69	/	/	<=33.01	Pass
	2565	Inner 1RB Right	20.35	/	/	19.76	/	/	<=33.01	Pass
		Edge 1RB Left	20.29	/	/	19.70	/	/	<=33.01	Pass
		Edge 1RB Right	20.30	/	/	19.71	/	/	<=33.01	Pass
		Outer Full	20.17	/	/	19.58	/	/	<=33.01	Pass
		Inner Full	20.12	/	/	19.53	/	/	<=33.01	Pass
		Inner 1RB Left	20.33	/	/	19.74	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2505	Inner 1RB Right	20.31	/	/	19.72	/	/	<=33.01	Pass
		Edge 1RB Left	17.52	/	/	16.93	/	/	<=33.01	Pass
		Edge 1RB Right	17.49	/	/	16.90	/	/	<=33.01	Pass

		Outer_Full	18.18	/	/	17.59	/	/	<=33.01	Pass
		Inner_Full	18.00	/	/	17.41	/	/	<=33.01	Pass
		Inner_1RB_Left	17.51	/	/	16.92	/	/	<=33.01	Pass
		Inner_1RB_Right	17.43	/	/	16.84	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	17.40	/	/	16.81	/	/	<=33.01	Pass
		Edge_1RB_Right	17.40	/	/	16.81	/	/	<=33.01	Pass
		Outer_Full	18.07	/	/	17.48	/	/	<=33.01	Pass
		Inner_Full	17.96	/	/	17.37	/	/	<=33.01	Pass
		Inner_1RB_Left	17.36	/	/	16.77	/	/	<=33.01	Pass
		Inner_1RB_Right	17.50	/	/	16.91	/	/	<=33.01	Pass
	2565	Edge_1RB_Left	17.47	/	/	16.88	/	/	<=33.01	Pass
		Edge_1RB_Right	17.50	/	/	16.91	/	/	<=33.01	Pass
		Outer_Full	18.09	/	/	17.50	/	/	<=33.01	Pass
		Inner_Full	18.07	/	/	17.48	/	/	<=33.01	Pass
		Inner_1RB_Left	17.54	/	/	16.95	/	/	<=33.01	Pass
		Inner_1RB_Right	17.56	/	/	16.97	/	/	<=33.01	Pass
CP-OFDM QPSK	2505	Edge_1RB_Left	19.40	/	/	18.81	/	/	<=33.01	Pass
		Edge_1RB_Right	19.51	/	/	18.92	/	/	<=33.01	Pass
		Outer_Full	19.70	/	/	19.11	/	/	<=33.01	Pass
		Inner_Full	21.05	/	/	20.46	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	21.08	/	/	20.49	/	/	<=33.01	Pass
		Inner_1RB_Right	20.97	/	/	20.38	/	/	<=33.01	Pass
		Edge_1RB_Left	19.54	/	/	18.95	/	/	<=33.01	Pass
		Edge_1RB_Right	19.46	/	/	18.87	/	/	<=33.01	Pass
		Outer_Full	19.54	/	/	18.95	/	/	<=33.01	Pass
		Inner_Full	21.09	/	/	20.50	/	/	<=33.01	Pass
		Inner_1RB_Left	21.26	/	/	20.67	/	/	<=33.01	Pass
		Inner_1RB_Right	21.02	/	/	20.43	/	/	<=33.01	Pass
	2565	Edge_1RB_Left	19.48	/	/	18.89	/	/	<=33.01	Pass
		Edge_1RB_Right	19.55	/	/	18.96	/	/	<=33.01	Pass
		Outer_Full	19.58	/	/	18.99	/	/	<=33.01	Pass
		Inner_Full	21.06	/	/	20.47	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2505	Inner_1RB_Left	20.97	/	/	20.38	/	/	<=33.01	Pass
		Inner_1RB_Right	21.20	/	/	20.61	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.65	/	/	19.06	/	/	<=33.01	Pass
		Edge_1RB_Right	19.44	/	/	18.85	/	/	<=33.01	Pass
		Outer_Full	19.56	/	/	18.97	/	/	<=33.01	Pass
		Inner_Full	20.58	/	/	19.99	/	/	<=33.01	Pass
		Inner_1RB_Left	20.69	/	/	20.10	/	/	<=33.01	Pass
		Inner_1RB_Right	20.59	/	/	20.00	/	/	<=33.01	Pass
	2565	Edge_1RB_Left	19.37	/	/	18.78	/	/	<=33.01	Pass
		Edge_1RB_Right	19.46	/	/	18.87	/	/	<=33.01	Pass
		Outer_Full	19.49	/	/	18.90	/	/	<=33.01	Pass
		Inner_Full	20.61	/	/	20.02	/	/	<=33.01	Pass
		Inner_1RB_Left	20.74	/	/	20.15	/	/	<=33.01	Pass
		Inner_1RB_Right	20.45	/	/	19.86	/	/	<=33.01	Pass
	2565	Edge_1RB_Left	19.39	/	/	18.80	/	/	<=33.01	Pass
		Edge_1RB_Right	19.50	/	/	18.91	/	/	<=33.01	Pass
		Outer_Full	19.66	/	/	19.07	/	/	<=33.01	Pass
		Inner_Full	20.68	/	/	20.09	/	/	<=33.01	Pass
		Inner_1RB_Left	20.56	/	/	19.97	/	/	<=33.01	Pass

		Inner_1RB_Right	20.64	/	/	20.05	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2505	Edge_1RB_Left	19.04	/	/	18.45	/	/	<=33.01	Pass
		Edge_1RB_Right	19.02	/	/	18.43	/	/	<=33.01	Pass
		Outer_Full	19.06	/	/	18.47	/	/	<=33.01	Pass
		Inner_Full	19.03	/	/	18.44	/	/	<=33.01	Pass
		Inner_1RB_Left	19.10	/	/	18.51	/	/	<=33.01	Pass
		Inner_1RB_Right	19.06	/	/	18.47	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	18.98	/	/	18.39	/	/	<=33.01	Pass
		Edge_1RB_Right	18.96	/	/	18.37	/	/	<=33.01	Pass
		Outer_Full	19.03	/	/	18.44	/	/	<=33.01	Pass
		Inner_Full	19.13	/	/	18.54	/	/	<=33.01	Pass
		Inner_1RB_Left	19.04	/	/	18.45	/	/	<=33.01	Pass
		Inner_1RB_Right	18.93	/	/	18.34	/	/	<=33.01	Pass
	2565	Edge_1RB_Left	19.09	/	/	18.50	/	/	<=33.01	Pass
		Edge_1RB_Right	19.03	/	/	18.44	/	/	<=33.01	Pass
		Outer_Full	19.05	/	/	18.46	/	/	<=33.01	Pass
		Inner_Full	19.16	/	/	18.57	/	/	<=33.01	Pass
		Inner_1RB_Left	19.08	/	/	18.49	/	/	<=33.01	Pass
		Inner_1RB_Right	19.04	/	/	18.45	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2505	Edge_1RB_Left	15.59	/	/	15.00	/	/	<=33.01	Pass
		Edge_1RB_Right	15.76	/	/	15.17	/	/	<=33.01	Pass
		Outer_Full	16.06	/	/	15.47	/	/	<=33.01	Pass
		Inner_Full	16.08	/	/	15.49	/	/	<=33.01	Pass
		Inner_1RB_Left	15.69	/	/	15.10	/	/	<=33.01	Pass
		Inner_1RB_Right	15.71	/	/	15.12	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	15.49	/	/	14.90	/	/	<=33.01	Pass
		Edge_1RB_Right	15.68	/	/	15.09	/	/	<=33.01	Pass
		Outer_Full	15.90	/	/	15.31	/	/	<=33.01	Pass
		Inner_Full	16.12	/	/	15.53	/	/	<=33.01	Pass
		Inner_1RB_Left	15.73	/	/	15.14	/	/	<=33.01	Pass
		Inner_1RB_Right	15.67	/	/	15.08	/	/	<=33.01	Pass
	2565	Edge_1RB_Left	15.63	/	/	15.04	/	/	<=33.01	Pass
		Edge_1RB_Right	15.68	/	/	15.09	/	/	<=33.01	Pass
		Outer_Full	16.01	/	/	15.42	/	/	<=33.01	Pass
		Inner_Full	16.08	/	/	15.49	/	/	<=33.01	Pass
		Inner_1RB_Left	15.69	/	/	15.10	/	/	<=33.01	Pass
			Inner_1RB_Right	15.75	/	/	15.16	/	/	<=33.01
Note1: Antenna Gain: Ant5: -0.59dBi; 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)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2507.5	Edge 1RB Left	22.30	/	/	21.71	/	/	<=33.01	Pass
		Edge 1RB Right	22.30	/	/	21.71	/	/	<=33.01	Pass
		Outer Full	22.17	/	/	21.58	/	/	<=33.01	Pass
		Inner Full	22.71	/	/	22.12	/	/	<=33.01	Pass
		Inner 1RB Left	22.74	/	/	22.15	/	/	<=33.01	Pass

	2535	Inner 1RB Right	22.78	/	/	22.19	/	/	<=33.01	Pass
		Edge 1RB Left	22.25	/	/	21.66	/	/	<=33.01	Pass
		Edge 1RB Right	22.13	/	/	21.54	/	/	<=33.01	Pass
		Outer Full	22.08	/	/	21.49	/	/	<=33.01	Pass
		Inner Full	22.60	/	/	22.01	/	/	<=33.01	Pass
		Inner 1RB Left	22.80	/	/	22.21	/	/	<=33.01	Pass
	2562.5	Inner 1RB Right	22.71	/	/	22.12	/	/	<=33.01	Pass
		Edge 1RB Left	22.36	/	/	21.77	/	/	<=33.01	Pass
		Edge 1RB Right	22.38	/	/	21.79	/	/	<=33.01	Pass
		Outer Full	22.33	/	/	21.74	/	/	<=33.01	Pass
		Inner Full	22.92	/	/	22.33	/	/	<=33.01	Pass
		Inner 1RB Left	22.85	/	/	22.26	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2507.5	Inner 1RB Right	22.75	/	/	22.16	/	/	<=33.01	Pass
		Edge 1RB Left	21.78	/	/	21.19	/	/	<=33.01	Pass
		Edge 1RB Right	21.91	/	/	21.32	/	/	<=33.01	Pass
		Outer Full	21.77	/	/	21.18	/	/	<=33.01	Pass
		Inner Full	22.69	/	/	22.10	/	/	<=33.01	Pass
		Inner 1RB Left	22.79	/	/	22.20	/	/	<=33.01	Pass
	2535	Inner 1RB Right	22.88	/	/	22.29	/	/	<=33.01	Pass
		Edge 1RB Left	21.74	/	/	21.15	/	/	<=33.01	Pass
		Edge 1RB Right	21.72	/	/	21.13	/	/	<=33.01	Pass
		Outer Full	21.70	/	/	21.11	/	/	<=33.01	Pass
		Inner Full	22.61	/	/	22.02	/	/	<=33.01	Pass
		Inner 1RB Left	22.71	/	/	22.12	/	/	<=33.01	Pass
	2562.5	Inner 1RB Right	22.69	/	/	22.10	/	/	<=33.01	Pass
		Edge 1RB Left	21.98	/	/	21.39	/	/	<=33.01	Pass
		Edge 1RB Right	21.77	/	/	21.18	/	/	<=33.01	Pass
		Outer Full	21.85	/	/	21.26	/	/	<=33.01	Pass
		Inner Full	22.76	/	/	22.17	/	/	<=33.01	Pass
		Inner 1RB Left	22.91	/	/	22.32	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2507.5	Inner 1RB Right	22.78	/	/	22.19	/	/	<=33.01	Pass
		Edge 1RB Left	20.89	/	/	20.30	/	/	<=33.01	Pass
		Edge 1RB Right	20.82	/	/	20.23	/	/	<=33.01	Pass
		Outer Full	20.83	/	/	20.24	/	/	<=33.01	Pass
		Inner Full	21.73	/	/	21.14	/	/	<=33.01	Pass
		Inner 1RB Left	21.83	/	/	21.24	/	/	<=33.01	Pass
	2535	Inner 1RB Right	21.65	/	/	21.06	/	/	<=33.01	Pass
		Edge 1RB Left	20.85	/	/	20.26	/	/	<=33.01	Pass
		Edge 1RB Right	20.63	/	/	20.04	/	/	<=33.01	Pass
		Outer Full	20.63	/	/	20.04	/	/	<=33.01	Pass
		Inner Full	21.68	/	/	21.09	/	/	<=33.01	Pass
		Inner 1RB Left	21.84	/	/	21.25	/	/	<=33.01	Pass
	2562.5	Inner 1RB Right	21.83	/	/	21.24	/	/	<=33.01	Pass
		Edge 1RB Left	21.10	/	/	20.51	/	/	<=33.01	Pass
		Edge 1RB Right	20.98	/	/	20.39	/	/	<=33.01	Pass
		Outer Full	20.80	/	/	20.21	/	/	<=33.01	Pass
		Inner Full	20.39	/	/	19.80	/	/	<=33.01	Pass
		Inner 1RB Left	22.02	/	/	21.43	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2507.5	Inner 1RB Right	21.81	/	/	21.22	/	/	<=33.01	Pass
		Edge 1RB Left	20.50	/	/	19.91	/	/	<=33.01	Pass
		Edge 1RB Right	20.61	/	/	20.02	/	/	<=33.01	Pass

		Outer_Full	20.29	/	/	19.70	/	/	<=33.01	Pass
		Inner_Full	20.26	/	/	19.67	/	/	<=33.01	Pass
		Inner_1RB_Left	20.58	/	/	19.99	/	/	<=33.01	Pass
		Inner_1RB_Right	21.07	/	/	20.48	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.41	/	/	19.82	/	/	<=33.01	Pass
		Edge_1RB_Right	21.03	/	/	20.44	/	/	<=33.01	Pass
		Outer_Full	20.17	/	/	19.58	/	/	<=33.01	Pass
		Inner_Full	20.14	/	/	19.55	/	/	<=33.01	Pass
	2562.5	Inner_1RB_Left	20.41	/	/	19.82	/	/	<=33.01	Pass
		Inner_1RB_Right	20.36	/	/	19.77	/	/	<=33.01	Pass
		Edge_1RB_Left	20.59	/	/	20.00	/	/	<=33.01	Pass
		Edge_1RB_Right	20.38	/	/	19.79	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer_Full	20.28	/	/	19.69	/	/	<=33.01	Pass
		Inner_Full	20.34	/	/	19.75	/	/	<=33.01	Pass
		Inner_1RB_Left	20.62	/	/	20.03	/	/	<=33.01	Pass
		Inner_1RB_Right	20.48	/	/	19.89	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	17.60	/	/	17.01	/	/	<=33.01	Pass
		Edge_1RB_Right	17.67	/	/	17.08	/	/	<=33.01	Pass
		Outer_Full	18.12	/	/	17.53	/	/	<=33.01	Pass
		Inner_Full	18.13	/	/	17.54	/	/	<=33.01	Pass
	2562.5	Inner_1RB_Left	17.66	/	/	17.07	/	/	<=33.01	Pass
		Inner_1RB_Right	17.67	/	/	17.08	/	/	<=33.01	Pass
		Edge_1RB_Left	17.49	/	/	16.90	/	/	<=33.01	Pass
		Edge_1RB_Right	17.51	/	/	16.92	/	/	<=33.01	Pass
CP-OFDM QPSK	2507.5	Outer_Full	18.07	/	/	17.48	/	/	<=33.01	Pass
		Inner_Full	18.02	/	/	17.43	/	/	<=33.01	Pass
		Inner_1RB_Left	17.46	/	/	16.87	/	/	<=33.01	Pass
		Inner_1RB_Right	17.50	/	/	16.91	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	17.70	/	/	17.11	/	/	<=33.01	Pass
		Edge_1RB_Right	17.51	/	/	16.92	/	/	<=33.01	Pass
		Outer_Full	18.14	/	/	17.55	/	/	<=33.01	Pass
		Inner_Full	18.15	/	/	17.56	/	/	<=33.01	Pass
	2562.5	Inner_1RB_Left	17.68	/	/	17.09	/	/	<=33.01	Pass
		Inner_1RB_Right	17.61	/	/	17.02	/	/	<=33.01	Pass
		Edge_1RB_Left	19.75	/	/	19.16	/	/	<=33.01	Pass
		Edge_1RB_Right	20.03	/	/	19.44	/	/	<=33.01	Pass
	2507.5	Outer_Full	19.75	/	/	19.16	/	/	<=33.01	Pass
		Inner_Full	21.18	/	/	20.59	/	/	<=33.01	Pass
		Inner_1RB_Left	21.22	/	/	20.63	/	/	<=33.01	Pass
		Inner_1RB_Right	21.38	/	/	20.79	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	19.57	/	/	18.98	/	/	<=33.01	Pass
		Edge_1RB_Right	19.81	/	/	19.22	/	/	<=33.01	Pass
		Outer_Full	19.62	/	/	19.03	/	/	<=33.01	Pass
		Inner_Full	21.08	/	/	20.49	/	/	<=33.01	Pass
	2562.5	Inner_1RB_Left	21.15	/	/	20.56	/	/	<=33.01	Pass
		Inner_1RB_Right	21.12	/	/	20.53	/	/	<=33.01	Pass
		Edge_1RB_Left	19.84	/	/	19.25	/	/	<=33.01	Pass
		Edge_1RB_Right	19.95	/	/	19.36	/	/	<=33.01	Pass
	2507.5	Outer_Full	19.83	/	/	19.24	/	/	<=33.01	Pass
		Inner_Full	21.20	/	/	20.61	/	/	<=33.01	Pass
		Inner_1RB_Left	21.54	/	/	20.95	/	/	<=33.01	Pass
		Inner_1RB_Right	21.54	/	/	20.95	/	/	<=33.01	Pass

		Inner 1RB Right	21.31	/	/	20.72	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2507.5	Edge 1RB Left	19.87	/	/	19.28	/	/	<=33.01	Pass
		Edge 1RB Right	19.71	/	/	19.12	/	/	<=33.01	Pass
		Outer Full	19.75	/	/	19.16	/	/	<=33.01	Pass
		Inner Full	20.86	/	/	20.27	/	/	<=33.01	Pass
		Inner 1RB Left	20.97	/	/	20.38	/	/	<=33.01	Pass
		Inner 1RB Right	20.86	/	/	20.27	/	/	<=33.01	Pass
	2535	Edge 1RB Left	19.42	/	/	18.83	/	/	<=33.01	Pass
		Edge 1RB Right	19.50	/	/	18.91	/	/	<=33.01	Pass
		Outer Full	19.60	/	/	19.01	/	/	<=33.01	Pass
		Inner Full	20.73	/	/	20.14	/	/	<=33.01	Pass
		Inner 1RB Left	20.65	/	/	20.06	/	/	<=33.01	Pass
		Inner 1RB Right	20.64	/	/	20.05	/	/	<=33.01	Pass
	2562.5	Edge 1RB Left	19.74	/	/	19.15	/	/	<=33.01	Pass
		Edge 1RB Right	19.64	/	/	19.05	/	/	<=33.01	Pass
		Outer Full	19.74	/	/	19.15	/	/	<=33.01	Pass
		Inner Full	20.88	/	/	20.29	/	/	<=33.01	Pass
		Inner 1RB Left	20.76	/	/	20.17	/	/	<=33.01	Pass
		Inner 1RB Right	20.76	/	/	20.17	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2507.5	Edge 1RB Left	19.23	/	/	18.64	/	/	<=33.01	Pass
		Edge 1RB Right	19.25	/	/	18.66	/	/	<=33.01	Pass
		Outer Full	19.21	/	/	18.62	/	/	<=33.01	Pass
		Inner Full	19.24	/	/	18.65	/	/	<=33.01	Pass
		Inner 1RB Left	19.42	/	/	18.83	/	/	<=33.01	Pass
		Inner 1RB Right	19.37	/	/	18.78	/	/	<=33.01	Pass
	2535	Edge 1RB Left	19.07	/	/	18.48	/	/	<=33.01	Pass
		Edge 1RB Right	19.07	/	/	18.48	/	/	<=33.01	Pass
		Outer Full	19.15	/	/	18.56	/	/	<=33.01	Pass
		Inner Full	19.12	/	/	18.53	/	/	<=33.01	Pass
		Inner 1RB Left	19.23	/	/	18.64	/	/	<=33.01	Pass
		Inner 1RB Right	19.22	/	/	18.63	/	/	<=33.01	Pass
	2562.5	Edge 1RB Left	19.34	/	/	18.75	/	/	<=33.01	Pass
		Edge 1RB Right	19.21	/	/	18.62	/	/	<=33.01	Pass
		Outer Full	19.34	/	/	18.75	/	/	<=33.01	Pass
		Inner Full	19.28	/	/	18.69	/	/	<=33.01	Pass
		Inner 1RB Left	19.34	/	/	18.75	/	/	<=33.01	Pass
		Inner 1RB Right	19.32	/	/	18.73	/	/	<=33.01	Pass
CP-OFDM 256 QAM	2507.5	Edge 1RB Left	15.76	/	/	15.17	/	/	<=33.01	Pass
		Edge 1RB Right	15.99	/	/	15.40	/	/	<=33.01	Pass
		Outer Full	16.25	/	/	15.66	/	/	<=33.01	Pass
		Inner Full	16.24	/	/	15.65	/	/	<=33.01	Pass
		Inner 1RB Left	15.93	/	/	15.34	/	/	<=33.01	Pass
		Inner 1RB Right	16.04	/	/	15.45	/	/	<=33.01	Pass
	2535	Edge 1RB Left	15.75	/	/	15.16	/	/	<=33.01	Pass
		Edge 1RB Right	15.78	/	/	15.19	/	/	<=33.01	Pass
		Outer Full	16.11	/	/	15.52	/	/	<=33.01	Pass
		Inner Full	16.13	/	/	15.54	/	/	<=33.01	Pass
		Inner 1RB Left	15.76	/	/	15.17	/	/	<=33.01	Pass
		Inner 1RB Right	15.76	/	/	15.17	/	/	<=33.01	Pass
	2562.5	Edge 1RB Left	15.98	/	/	15.39	/	/	<=33.01	Pass
		Edge 1RB Right	15.91	/	/	15.32	/	/	<=33.01	Pass



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		Outer Full	16.24	/	/	15.65	/	/	<=33.01	Pass
		Inner Full	16.28	/	/	15.69	/	/	<=33.01	Pass
		Inner 1RB Left	15.99	/	/	15.40	/	/	<=33.01	Pass
		Inner 1RB Right	15.78	/	/	15.19	/	/	<=33.01	Pass
Note1: Antenna Gain: Ant5: -0.59dBi;										
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
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2510	Edge 1RB Left	22.36	/	/	21.77	/	/	<=33.01	Pass
		Edge 1RB Right	22.33	/	/	21.74	/	/	<=33.01	Pass
		Outer Full	22.27	/	/	21.68	/	/	<=33.01	Pass
		Inner Full	22.81	/	/	22.22	/	/	<=33.01	Pass
		Inner 1RB Left	22.81	/	/	22.22	/	/	<=33.01	Pass
		Inner 1RB Right	22.93	/	/	22.34	/	/	<=33.01	Pass
	2535	Edge 1RB Left	22.22	/	/	21.63	/	/	<=33.01	Pass
		Edge 1RB Right	22.25	/	/	21.66	/	/	<=33.01	Pass
		Outer Full	22.17	/	/	21.58	/	/	<=33.01	Pass
		Inner Full	22.68	/	/	22.09	/	/	<=33.01	Pass
		Inner 1RB Left	22.74	/	/	22.15	/	/	<=33.01	Pass
		Inner 1RB Right	22.73	/	/	22.14	/	/	<=33.01	Pass
	2560	Edge 1RB Left	22.28	/	/	21.69	/	/	<=33.01	Pass
		Edge 1RB Right	22.32	/	/	21.73	/	/	<=33.01	Pass
		Outer Full	22.24	/	/	21.65	/	/	<=33.01	Pass
		Inner Full	22.88	/	/	22.29	/	/	<=33.01	Pass
		Inner 1RB Left	22.77	/	/	22.18	/	/	<=33.01	Pass
		Inner 1RB Right	22.68	/	/	22.09	/	/	<=33.01	Pass
DFT-s-OFDM QPSK	2510	Edge 1RB Left	21.84	/	/	21.25	/	/	<=33.01	Pass
		Edge 1RB Right	21.82	/	/	21.23	/	/	<=33.01	Pass
		Outer Full	21.75	/	/	21.16	/	/	<=33.01	Pass
		Inner Full	22.69	/	/	22.10	/	/	<=33.01	Pass
		Inner 1RB Left	22.83	/	/	22.24	/	/	<=33.01	Pass
		Inner 1RB Right	22.87	/	/	22.28	/	/	<=33.01	Pass
	2535	Edge 1RB Left	21.67	/	/	21.08	/	/	<=33.01	Pass
		Edge 1RB Right	21.71	/	/	21.12	/	/	<=33.01	Pass
		Outer Full	21.71	/	/	21.12	/	/	<=33.01	Pass
		Inner Full	22.59	/	/	22.00	/	/	<=33.01	Pass
		Inner 1RB Left	22.73	/	/	22.14	/	/	<=33.01	Pass
		Inner 1RB Right	22.78	/	/	22.19	/	/	<=33.01	Pass
	2560	Edge 1RB Left	21.82	/	/	21.23	/	/	<=33.01	Pass
		Edge 1RB Right	21.71	/	/	21.12	/	/	<=33.01	Pass
		Outer Full	21.79	/	/	21.20	/	/	<=33.01	Pass
		Inner Full	22.79	/	/	22.20	/	/	<=33.01	Pass
		Inner 1RB Left	22.86	/	/	22.27	/	/	<=33.01	Pass
		Inner 1RB Right	22.72	/	/	22.13	/	/	<=33.01	Pass
DFT-s-OFDM 16 QAM	2510	Edge 1RB Left	20.97	/	/	20.38	/	/	<=33.01	Pass
		Edge 1RB Right	21.08	/	/	20.49	/	/	<=33.01	Pass

		Outer_Full	20.74	/	/	20.15	/	/	<=33.01	Pass
		Inner_Full	21.73	/	/	21.14	/	/	<=33.01	Pass
		Inner_1RB_Left	21.88	/	/	21.29	/	/	<=33.01	Pass
		Inner_1RB_Right	22.01	/	/	21.42	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.95	/	/	20.36	/	/	<=33.01	Pass
		Edge_1RB_Right	20.94	/	/	20.35	/	/	<=33.01	Pass
		Outer_Full	20.56	/	/	19.97	/	/	<=33.01	Pass
		Inner_Full	21.65	/	/	21.06	/	/	<=33.01	Pass
	2560	Inner_1RB_Left	21.86	/	/	21.27	/	/	<=33.01	Pass
		Inner_1RB_Right	21.92	/	/	21.33	/	/	<=33.01	Pass
		Edge_1RB_Left	21.01	/	/	20.42	/	/	<=33.01	Pass
		Edge_1RB_Right	20.70	/	/	20.11	/	/	<=33.01	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	20.79	/	/	20.20	/	/	<=33.01	Pass
		Inner_Full	21.79	/	/	21.20	/	/	<=33.01	Pass
		Inner_1RB_Left	22.01	/	/	21.42	/	/	<=33.01	Pass
		Inner_1RB_Right	21.76	/	/	21.17	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.57	/	/	19.98	/	/	<=33.01	Pass
		Edge_1RB_Right	20.47	/	/	19.88	/	/	<=33.01	Pass
		Outer_Full	20.26	/	/	19.67	/	/	<=33.01	Pass
		Inner_Full	20.32	/	/	19.73	/	/	<=33.01	Pass
	2560	Inner_1RB_Left	20.62	/	/	20.03	/	/	<=33.01	Pass
		Inner_1RB_Right	20.60	/	/	20.01	/	/	<=33.01	Pass
		Edge_1RB_Left	20.39	/	/	19.80	/	/	<=33.01	Pass
		Edge_1RB_Right	20.45	/	/	19.86	/	/	<=33.01	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	20.19	/	/	19.60	/	/	<=33.01	Pass
		Inner_Full	20.14	/	/	19.55	/	/	<=33.01	Pass
		Inner_1RB_Left	20.46	/	/	19.87	/	/	<=33.01	Pass
		Inner_1RB_Right	20.26	/	/	19.67	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	20.57	/	/	19.98	/	/	<=33.01	Pass
		Edge_1RB_Right	20.47	/	/	19.88	/	/	<=33.01	Pass
		Outer_Full	20.31	/	/	19.72	/	/	<=33.01	Pass
		Inner_Full	20.22	/	/	19.63	/	/	<=33.01	Pass
	2560	Inner_1RB_Left	20.53	/	/	19.94	/	/	<=33.01	Pass
		Inner_1RB_Right	20.45	/	/	19.86	/	/	<=33.01	Pass
	2510	Edge_1RB_Left	17.68	/	/	17.09	/	/	<=33.01	Pass
		Edge_1RB_Right	17.50	/	/	16.91	/	/	<=33.01	Pass
		Outer_Full	18.28	/	/	17.69	/	/	<=33.01	Pass
		Inner_Full	18.32	/	/	17.73	/	/	<=33.01	Pass
	2535	Inner_1RB_Left	17.60	/	/	17.01	/	/	<=33.01	Pass
		Inner_1RB_Right	17.65	/	/	17.06	/	/	<=33.01	Pass
		Edge_1RB_Left	17.51	/	/	16.92	/	/	<=33.01	Pass
		Edge_1RB_Right	17.58	/	/	16.99	/	/	<=33.01	Pass
	2510	Outer_Full	18.12	/	/	17.53	/	/	<=33.01	Pass
		Inner_Full	18.04	/	/	17.45	/	/	<=33.01	Pass
		Inner_1RB_Left	17.48	/	/	16.89	/	/	<=33.01	Pass
		Inner_1RB_Right	17.59	/	/	17.00	/	/	<=33.01	Pass
	2535	Edge_1RB_Left	17.45	/	/	16.86	/	/	<=33.01	Pass
		Edge_1RB_Right	17.54	/	/	16.95	/	/	<=33.01	Pass
	2560	Outer_Full	18.24	/	/	17.65	/	/	<=33.01	Pass
		Inner_Full	18.19	/	/	17.60	/	/	<=33.01	Pass
		Inner_1RB_Left	17.54	/	/	16.95	/	/	<=33.01	Pass

		Inner 1RB Right	17.49	/	/	16.90	/	/	<=33.01	Pass
CP-OFDM QPSK	2510	Edge 1RB Left	19.84	/	/	19.25	/	/	<=33.01	Pass
		Edge 1RB Right	19.82	/	/	19.23	/	/	<=33.01	Pass
		Outer Full	19.83	/	/	19.24	/	/	<=33.01	Pass
		Inner Full	21.22	/	/	20.63	/	/	<=33.01	Pass
		Inner 1RB Left	21.29	/	/	20.70	/	/	<=33.01	Pass
		Inner 1RB Right	21.36	/	/	20.77	/	/	<=33.01	Pass
	2535	Edge 1RB Left	19.64	/	/	19.05	/	/	<=33.01	Pass
		Edge 1RB Right	19.71	/	/	19.12	/	/	<=33.01	Pass
		Outer Full	19.59	/	/	19.00	/	/	<=33.01	Pass
		Inner Full	21.14	/	/	20.55	/	/	<=33.01	Pass
		Inner 1RB Left	21.19	/	/	20.60	/	/	<=33.01	Pass
		Inner 1RB Right	21.11	/	/	20.52	/	/	<=33.01	Pass
	2560	Edge 1RB Left	19.71	/	/	19.12	/	/	<=33.01	Pass
		Edge 1RB Right	19.72	/	/	19.13	/	/	<=33.01	Pass
		Outer Full	19.73	/	/	19.14	/	/	<=33.01	Pass
		Inner Full	21.32	/	/	20.73	/	/	<=33.01	Pass
		Inner 1RB Left	21.37	/	/	20.78	/	/	<=33.01	Pass
		Inner 1RB Right	21.12	/	/	20.53	/	/	<=33.01	Pass
CP-OFDM 16 QAM	2510	Edge 1RB Left	19.84	/	/	19.25	/	/	<=33.01	Pass
		Edge 1RB Right	19.87	/	/	19.28	/	/	<=33.01	Pass
		Outer Full	19.73	/	/	19.14	/	/	<=33.01	Pass
		Inner Full	20.75	/	/	20.16	/	/	<=33.01	Pass
		Inner 1RB Left	20.95	/	/	20.36	/	/	<=33.01	Pass
		Inner 1RB Right	20.73	/	/	20.14	/	/	<=33.01	Pass
	2535	Edge 1RB Left	19.56	/	/	18.97	/	/	<=33.01	Pass
		Edge 1RB Right	19.49	/	/	18.90	/	/	<=33.01	Pass
		Outer Full	19.62	/	/	19.03	/	/	<=33.01	Pass
		Inner Full	20.68	/	/	20.09	/	/	<=33.01	Pass
		Inner 1RB Left	20.66	/	/	20.07	/	/	<=33.01	Pass
		Inner 1RB Right	20.80	/	/	20.21	/	/	<=33.01	Pass
	2560	Edge 1RB Left	19.78	/	/	19.19	/	/	<=33.01	Pass
		Edge 1RB Right	19.61	/	/	19.02	/	/	<=33.01	Pass
		Outer Full	19.70	/	/	19.11	/	/	<=33.01	Pass
		Inner Full	20.80	/	/	20.21	/	/	<=33.01	Pass
		Inner 1RB Left	20.75	/	/	20.16	/	/	<=33.01	Pass
		Inner 1RB Right	20.68	/	/	20.09	/	/	<=33.01	Pass
CP-OFDM 64 QAM	2510	Edge 1RB Left	19.33	/	/	18.74	/	/	<=33.01	Pass
		Edge 1RB Right	19.22	/	/	18.63	/	/	<=33.01	Pass
		Outer Full	19.24	/	/	18.65	/	/	<=33.01	Pass
		Inner Full	19.32	/	/	18.73	/	/	<=33.01	Pass
		Inner 1RB Left	19.35	/	/	18.76	/	/	<=33.01	Pass
		Inner 1RB Right	19.22	/	/	18.63	/	/	<=33.01	Pass
	2535	Edge 1RB Left	19.12	/	/	18.53	/	/	<=33.01	Pass
		Edge 1RB Right	19.11	/	/	18.52	/	/	<=33.01	Pass
		Outer Full	19.11	/	/	18.52	/	/	<=33.01	Pass
		Inner Full	19.17	/	/	18.58	/	/	<=33.01	Pass
		Inner 1RB Left	18.97	/	/	18.38	/	/	<=33.01	Pass
		Inner 1RB Right	19.11	/	/	18.52	/	/	<=33.01	Pass
	2560	Edge 1RB Left	19.19	/	/	18.60	/	/	<=33.01	Pass
		Edge 1RB Right	19.10	/	/	18.51	/	/	<=33.01	Pass



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CP-OFDM 256 QAM		Outer Full	19.23	/	/	18.64	/	/	<=33.01	Pass
		Inner Full	19.17	/	/	18.58	/	/	<=33.01	Pass
		Inner 1RB Left	19.30	/	/	18.71	/	/	<=33.01	Pass
		Inner 1RB Right	19.20	/	/	18.61	/	/	<=33.01	Pass
	2510	Edge 1RB Left	15.89	/	/	15.30	/	/	<=33.01	Pass
		Edge 1RB Right	16.09	/	/	15.50	/	/	<=33.01	Pass
		Outer Full	16.29	/	/	15.70	/	/	<=33.01	Pass
		Inner Full	16.30	/	/	15.71	/	/	<=33.01	Pass
		Inner 1RB Left	15.84	/	/	15.25	/	/	<=33.01	Pass
		Inner 1RB Right	15.98	/	/	15.39	/	/	<=33.01	Pass
		Edge 1RB Left	15.74	/	/	15.15	/	/	<=33.01	Pass
		Edge 1RB Right	15.80	/	/	15.21	/	/	<=33.01	Pass
	2535	Outer Full	16.09	/	/	15.50	/	/	<=33.01	Pass
		Inner Full	16.10	/	/	15.51	/	/	<=33.01	Pass
		Inner 1RB Left	15.85	/	/	15.26	/	/	<=33.01	Pass
		Inner 1RB Right	15.71	/	/	15.12	/	/	<=33.01	Pass
		Edge 1RB Left	15.61	/	/	15.02	/	/	<=33.01	Pass
		Edge 1RB Right	15.88	/	/	15.29	/	/	<=33.01	Pass
		Outer Full	16.26	/	/	15.67	/	/	<=33.01	Pass
		Inner Full	16.32	/	/	15.73	/	/	<=33.01	Pass
	2560	Inner 1RB Left	15.89	/	/	15.30	/	/	<=33.01	Pass
		Inner 1RB Right	15.51	/	/	14.92	/	/	<=33.01	Pass

Note1: Antenna Gain: Ant5: -0.59dBi;
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	-13.00	-0.0051	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-10.70	-0.0042	>=-2.5 & <=2.5	Pass
				NV	-7.30	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-14.40	-0.0057	>=-2.5 & <=2.5	Pass
				NV	-15.90	-0.0063	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0015	>=-2.5 & <=2.5	Pass
				NV	-10.50	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-14.90	-0.0059	>=-2.5 & <=2.5	Pass
				NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-13.50	-0.0053	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

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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	4.50	5.45	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	4.50	6.62	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	4.52	5.32	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	4.51	5.15	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	4.54	5.35	/	Pass
CP-OFDM QPSK	2535	Outer_Full	4.56	5.76	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	4.59	5.99	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	4.60	8.22	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	4.54	5.69	/	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	8.92	10.23	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	8.95	11.65	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	8.96	10.73	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	8.96	9.88	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	8.95	10.89	/	Pass
CP-OFDM QPSK	2535	Outer_Full	9.34	12.81	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	9.31	10.86	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	9.31	13.13	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	9.31	10.57	/	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	13.47	14.44	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	13.45	14.10	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	13.50	15.80	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	13.47	15.70	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	13.49	14.45	/	Pass
CP-OFDM QPSK	2535	Outer_Full	14.31	14.65	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	14.18	16.88	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	14.20	18.17	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	14.18	17.39	/	Pass



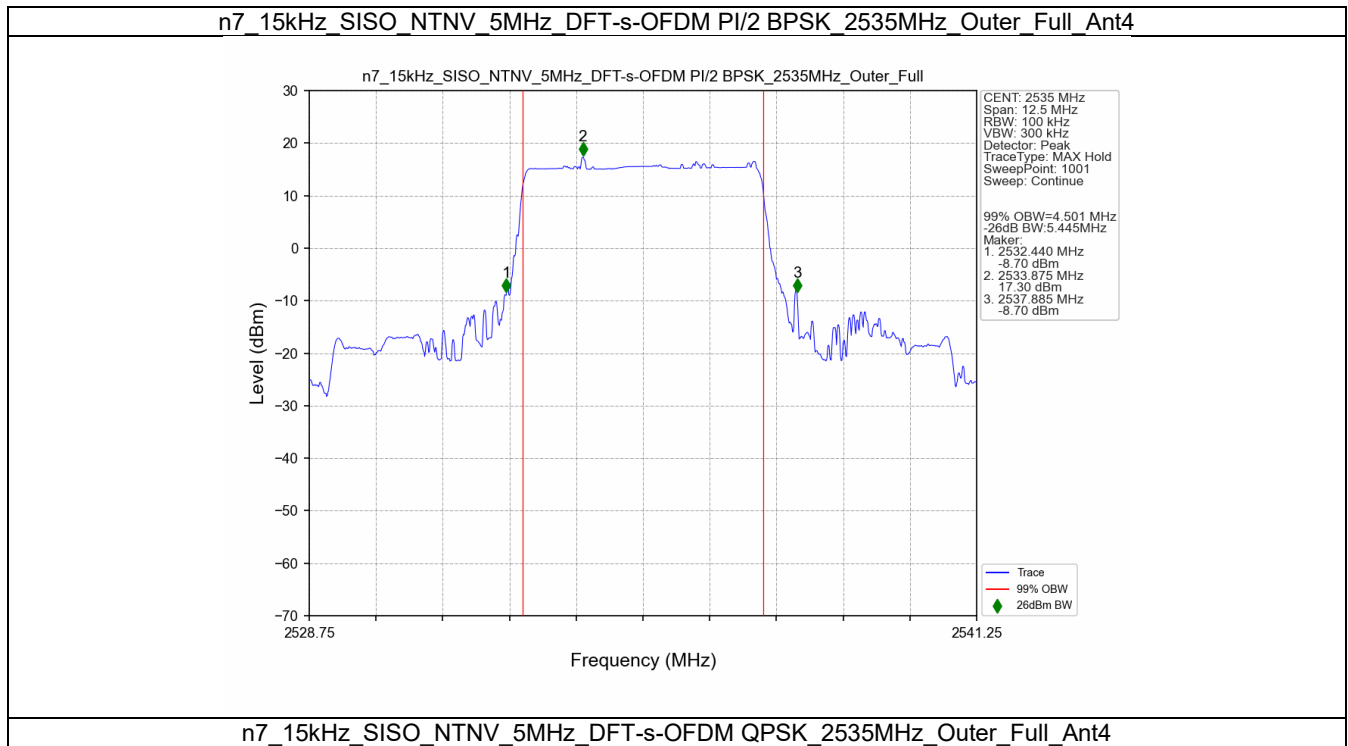
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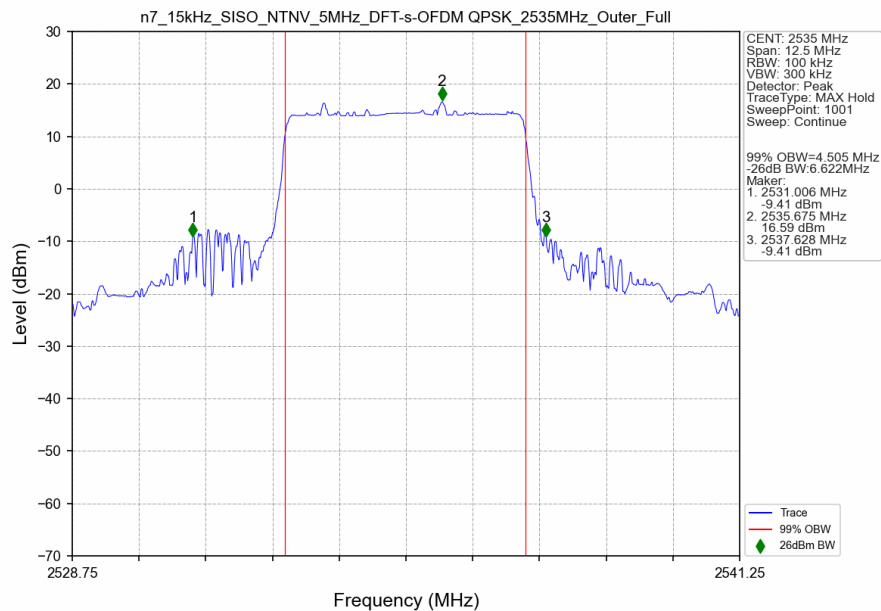
3.1.4 15_S_20M_NTNV

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	20.59	/	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	17.90	20.32	/	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	17.93	20.80	/	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	17.95	20.07	/	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	17.92	20.86	/	Pass
CP-OFDM QPSK	2535	Outer_Full	18.99	20.30	/	Pass
CP-OFDM 16 QAM	2535	Outer_Full	19.02	20.68	/	Pass
CP-OFDM 64 QAM	2535	Outer_Full	18.98	20.76	/	Pass
CP-OFDM 256 QAM	2535	Outer_Full	19.08	24.44	/	Pass

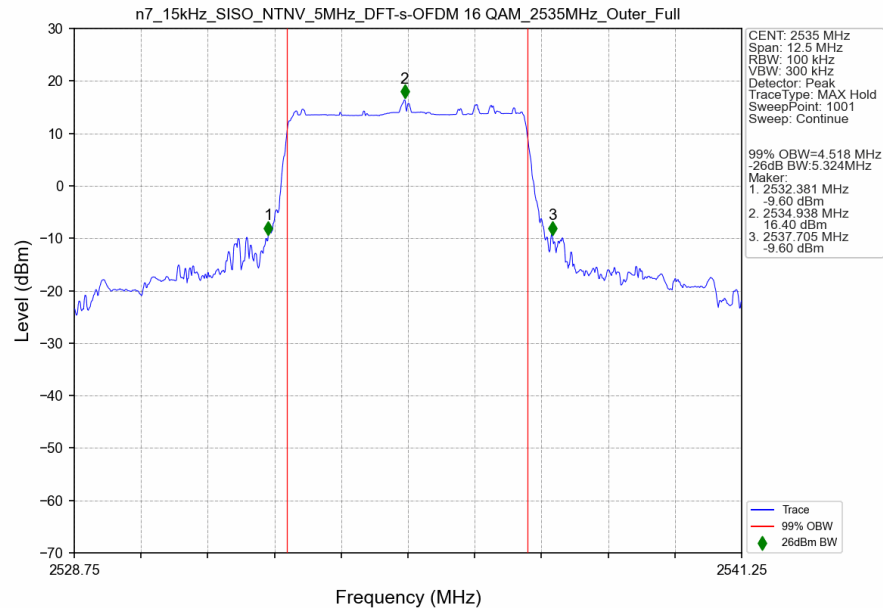
3.2 Test Graph

3.2.1 15_S_5M_NTNV

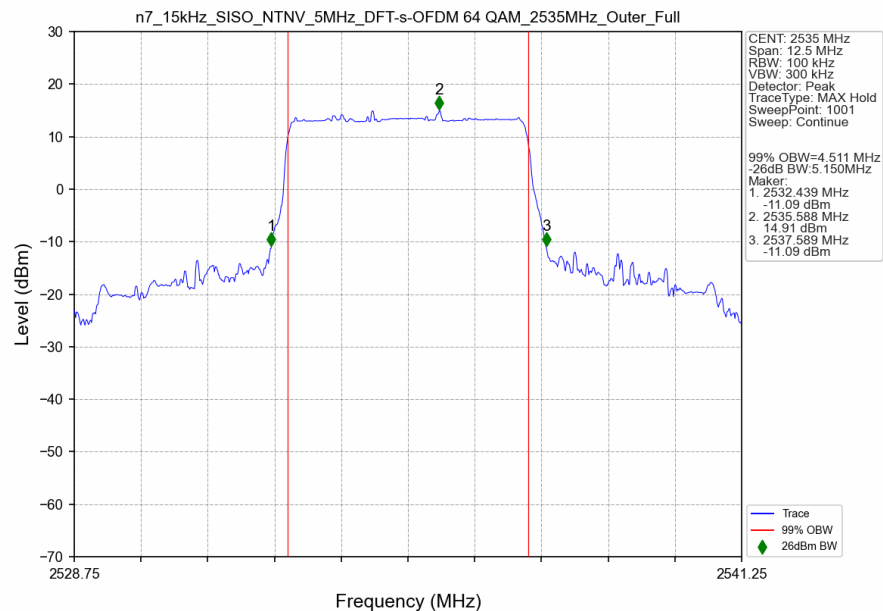




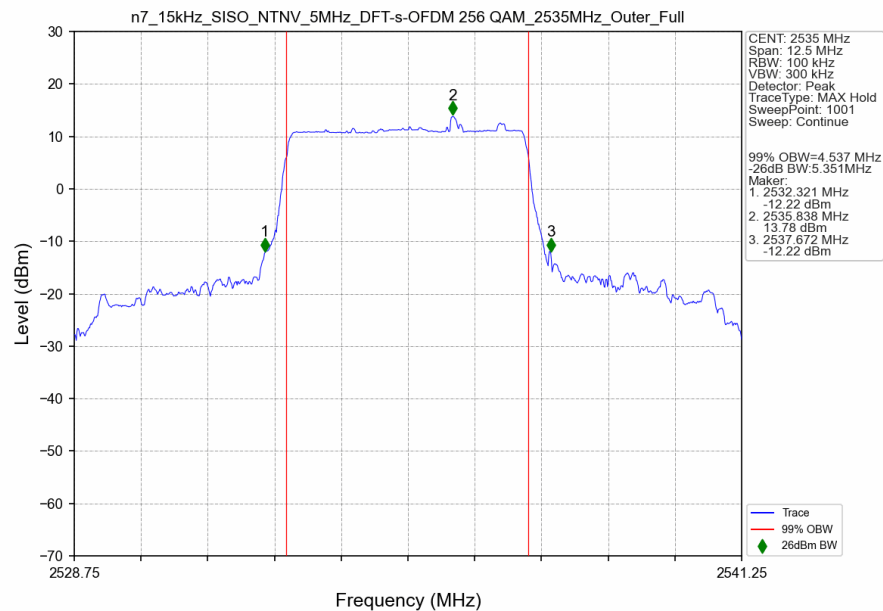
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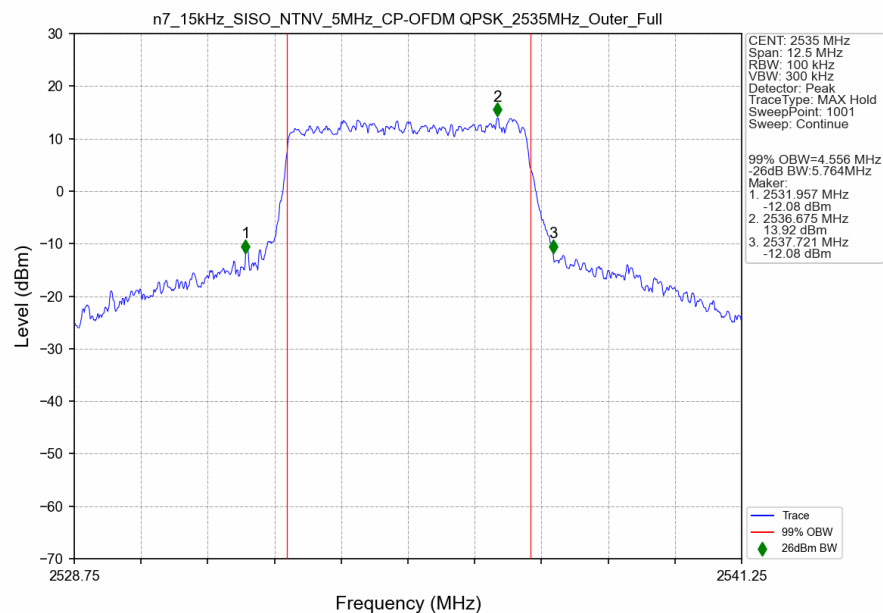
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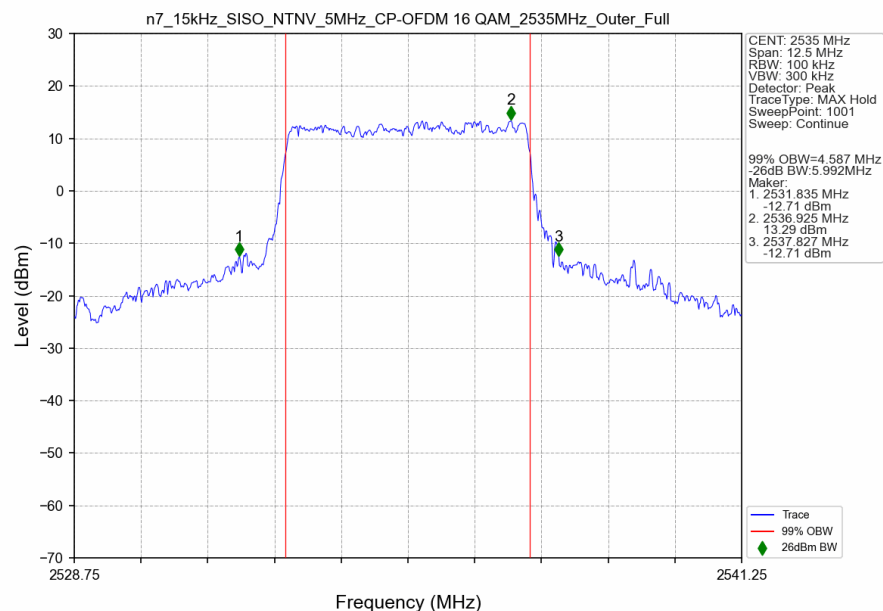
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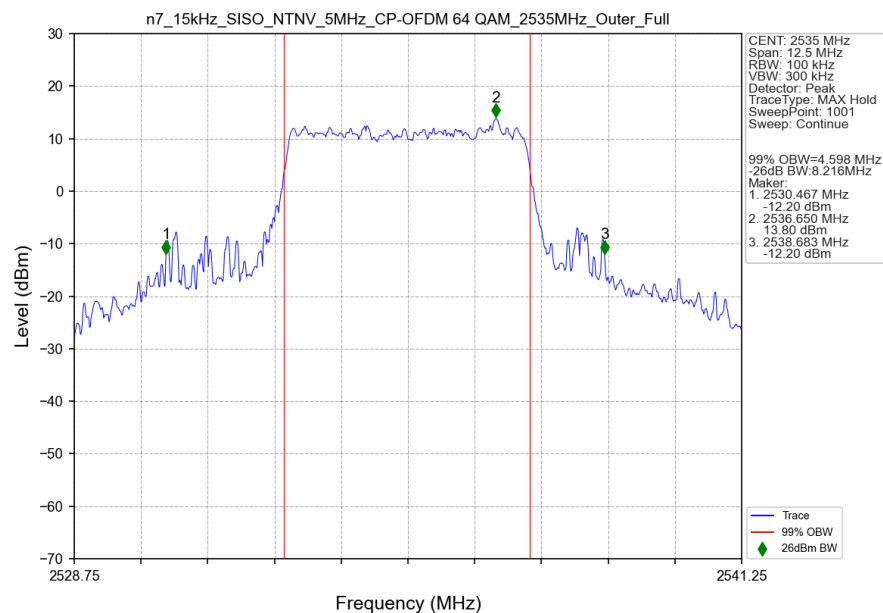
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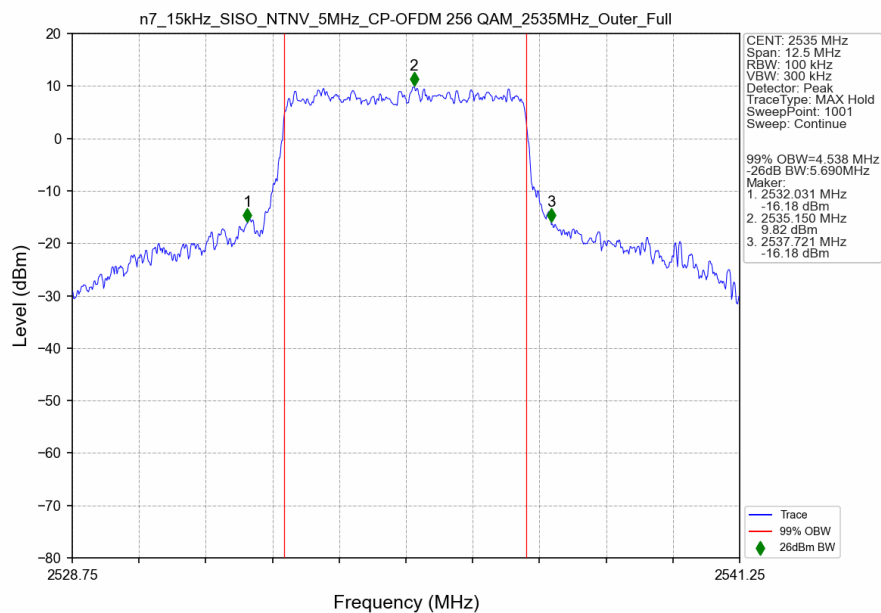
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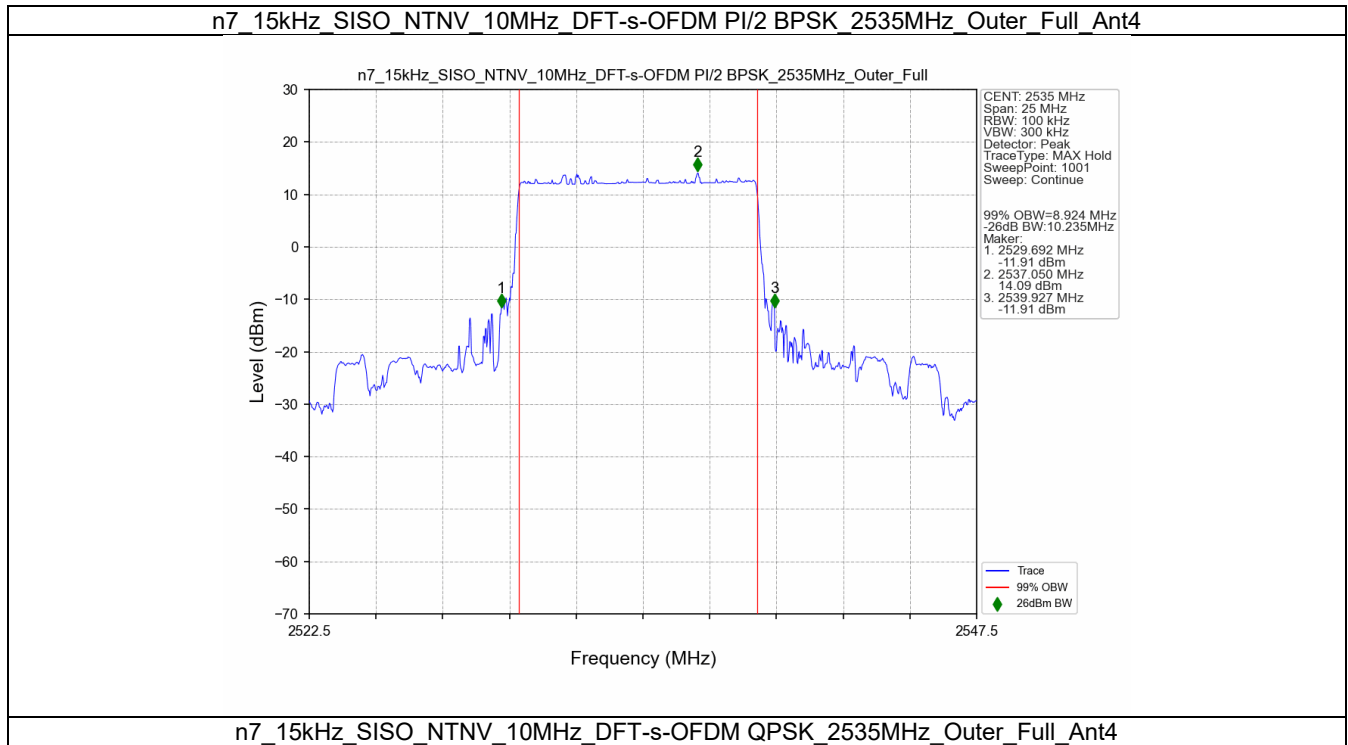
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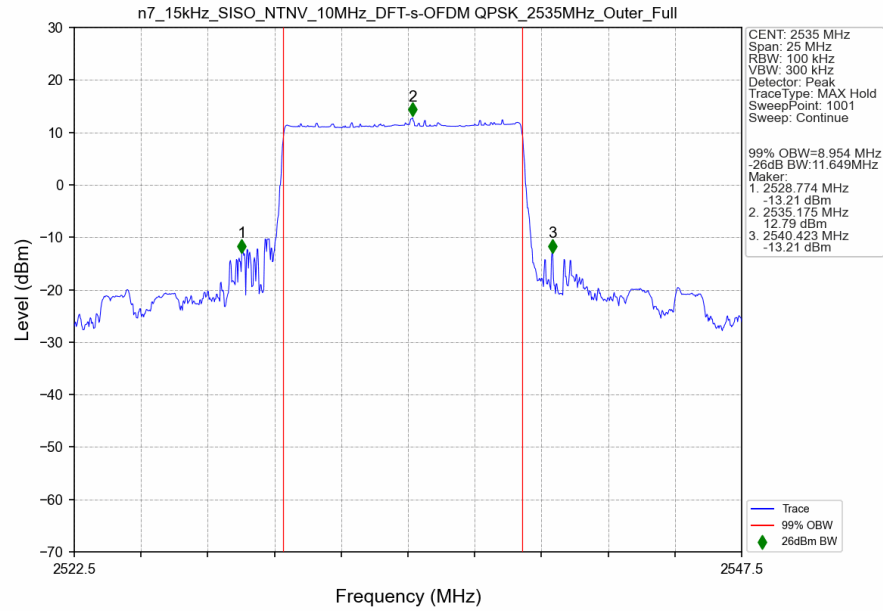


n7_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM 2535MHz_Outer_Full_Ant4

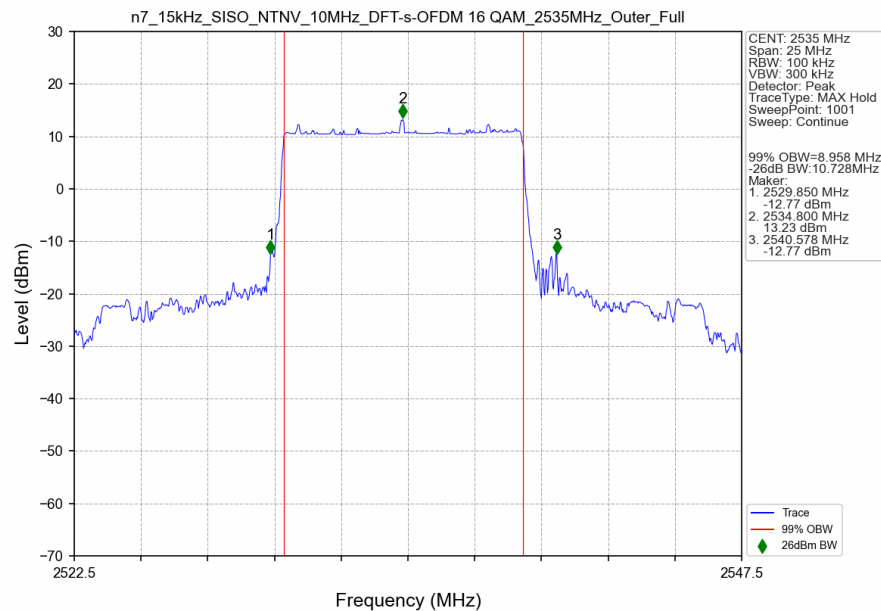


3.2.2 15_S_10M_NTNV

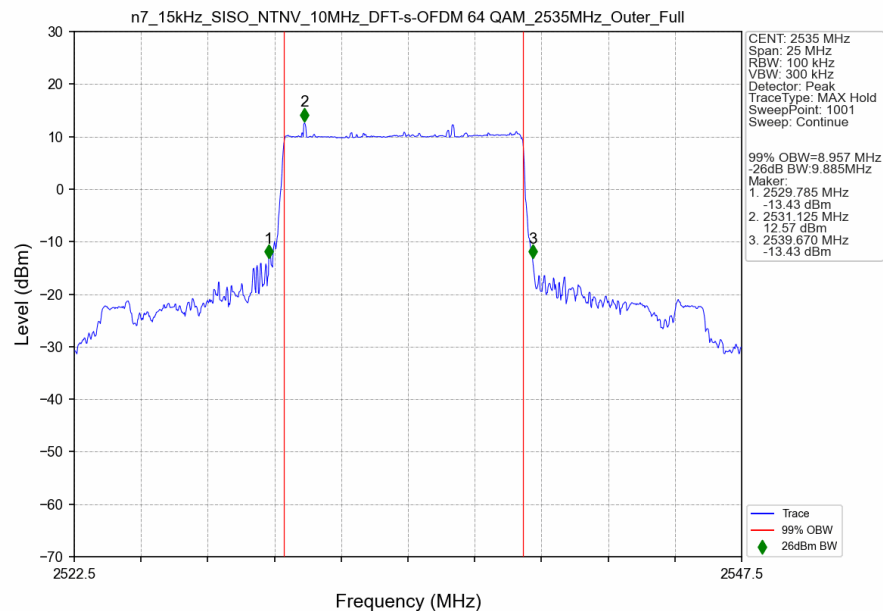




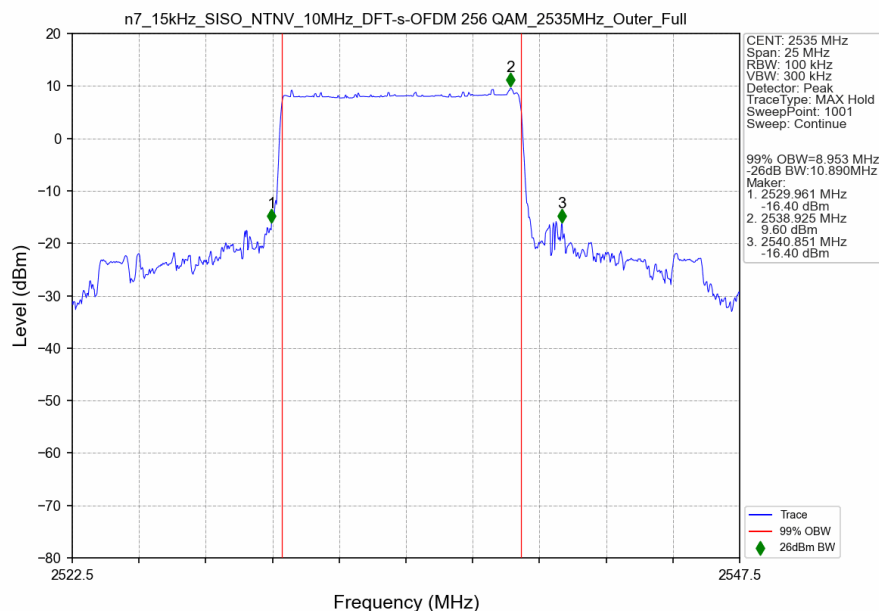
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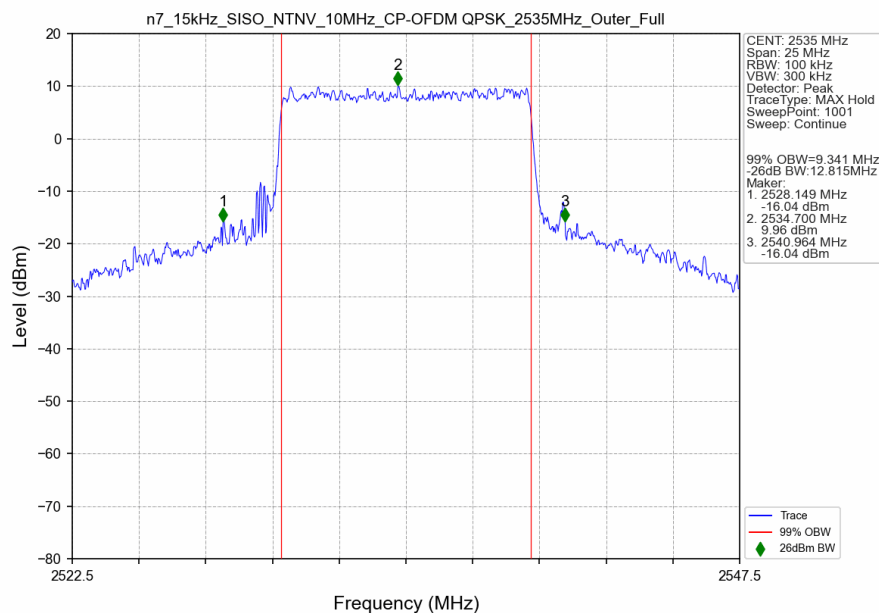
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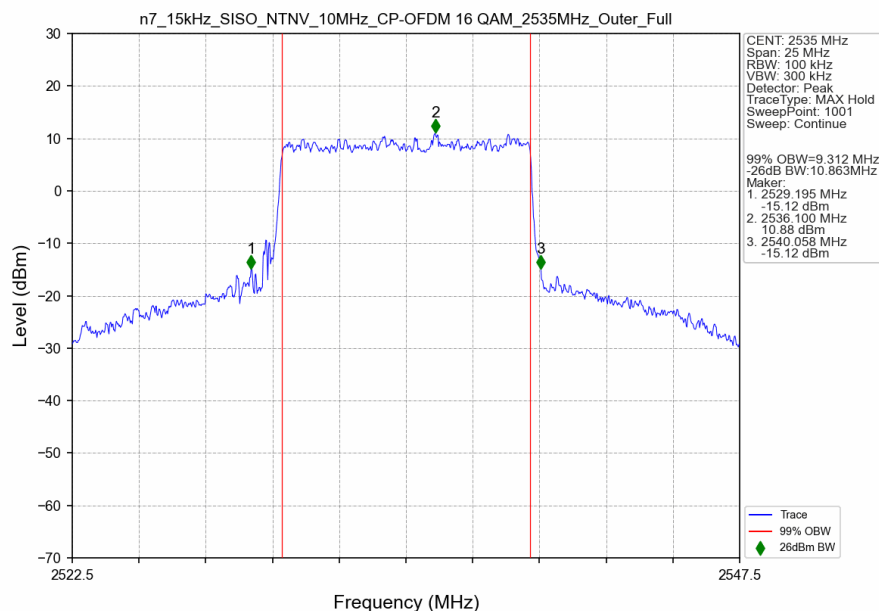
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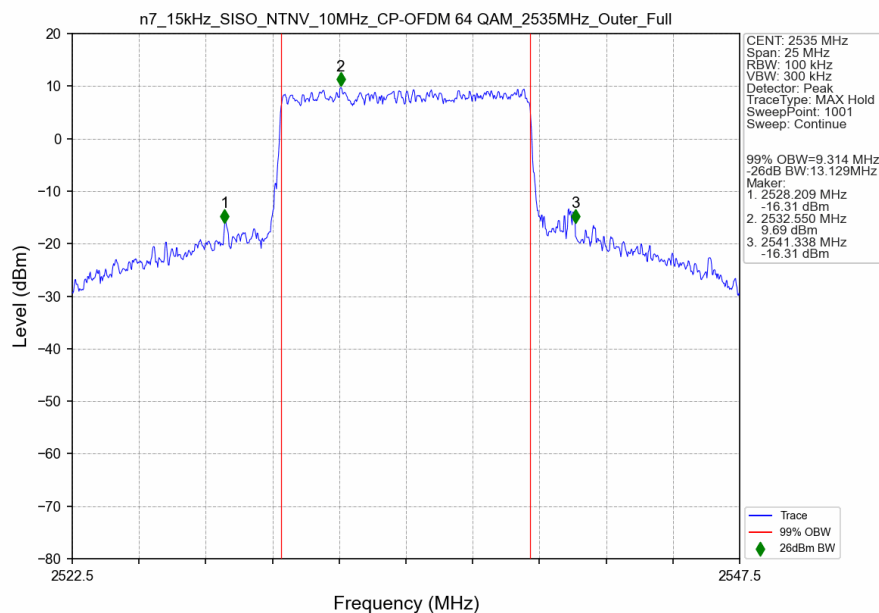
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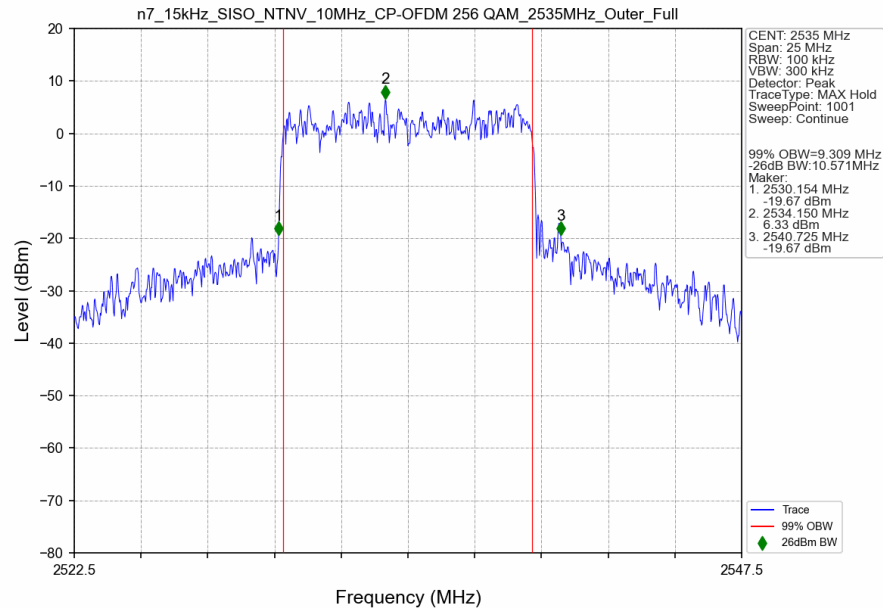
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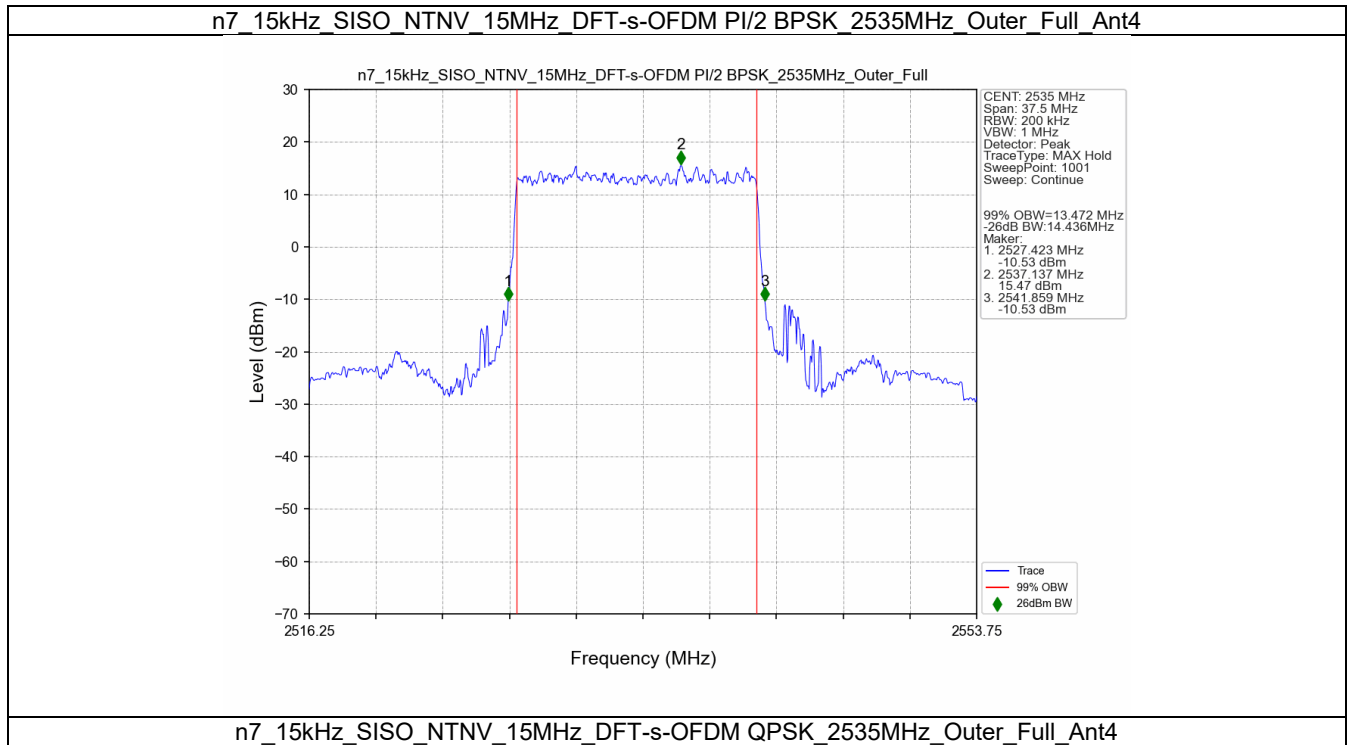
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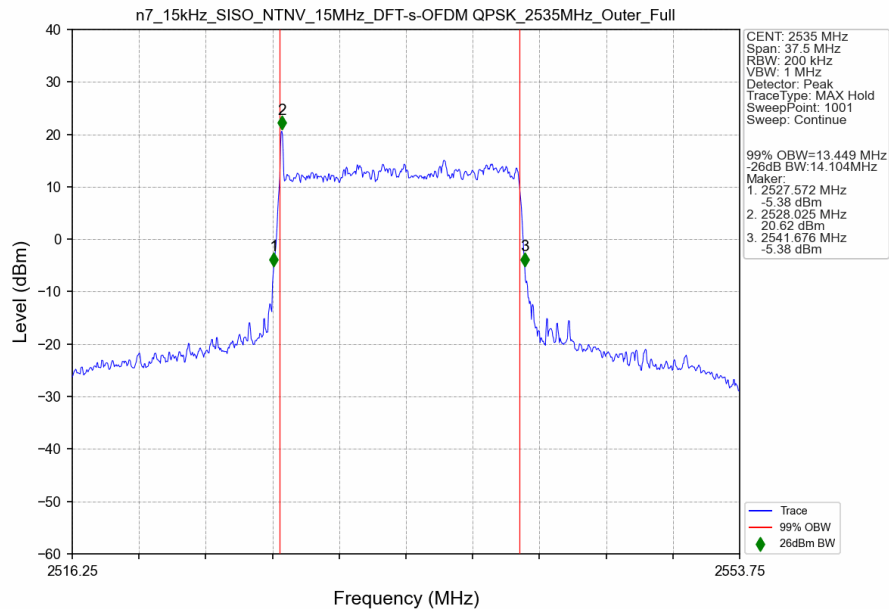


n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_2535MHz_Outer_Full_Ant4

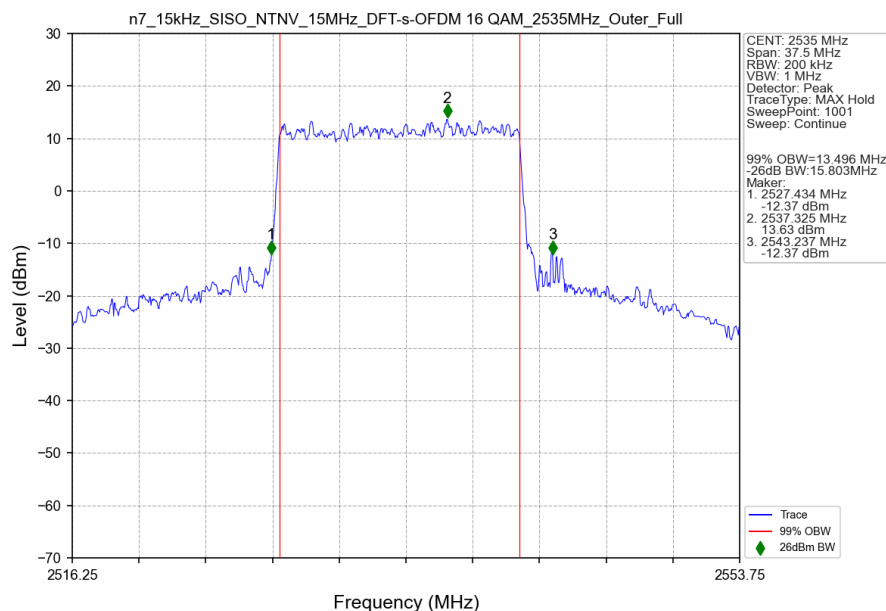


3.2.3 15_S_15M_NTNV

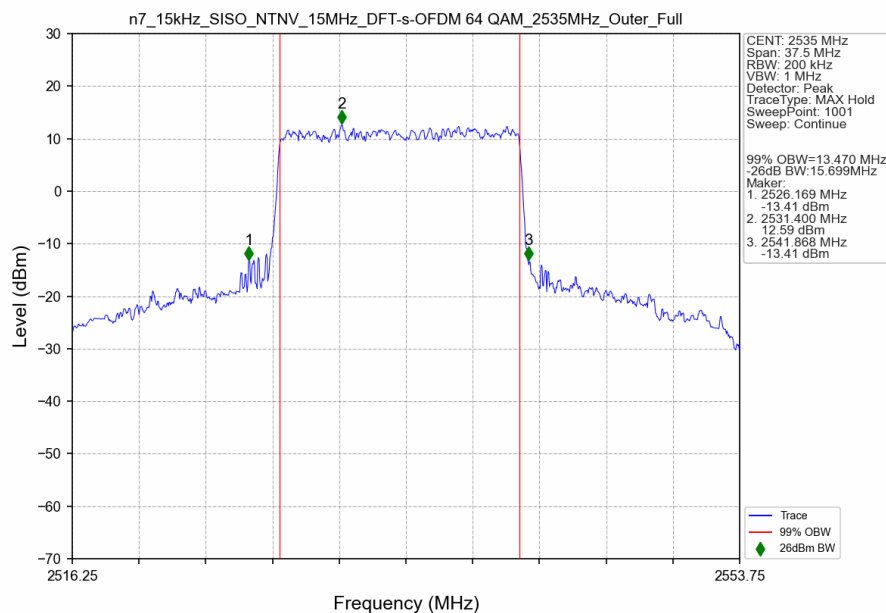




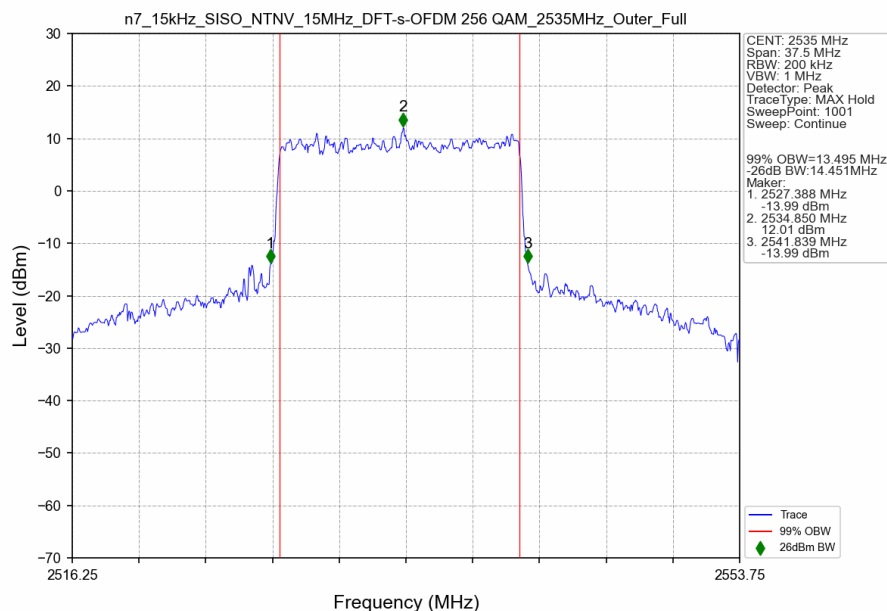
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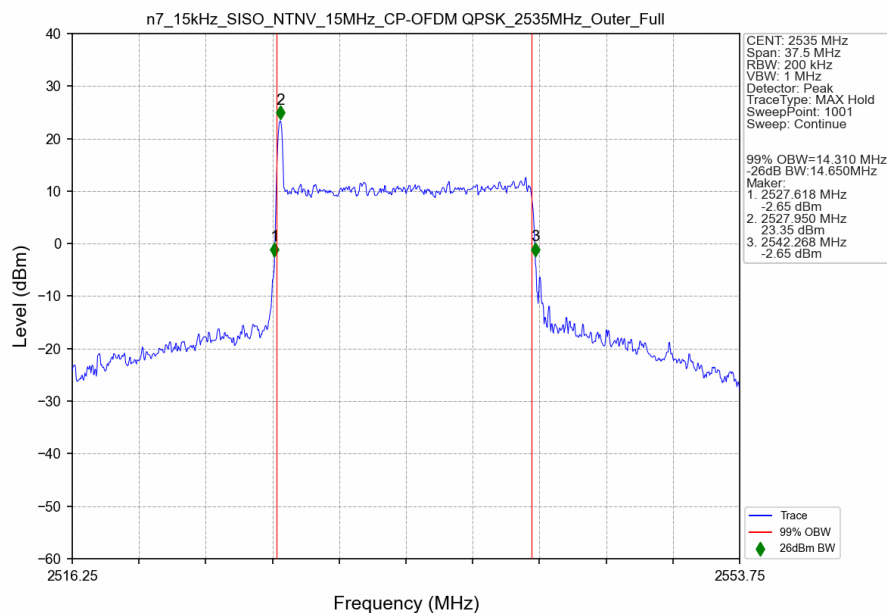
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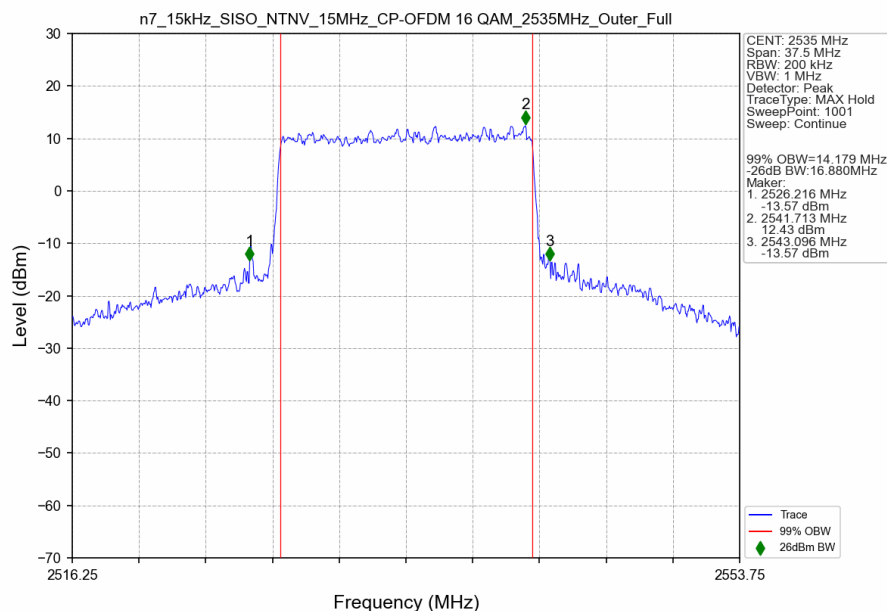
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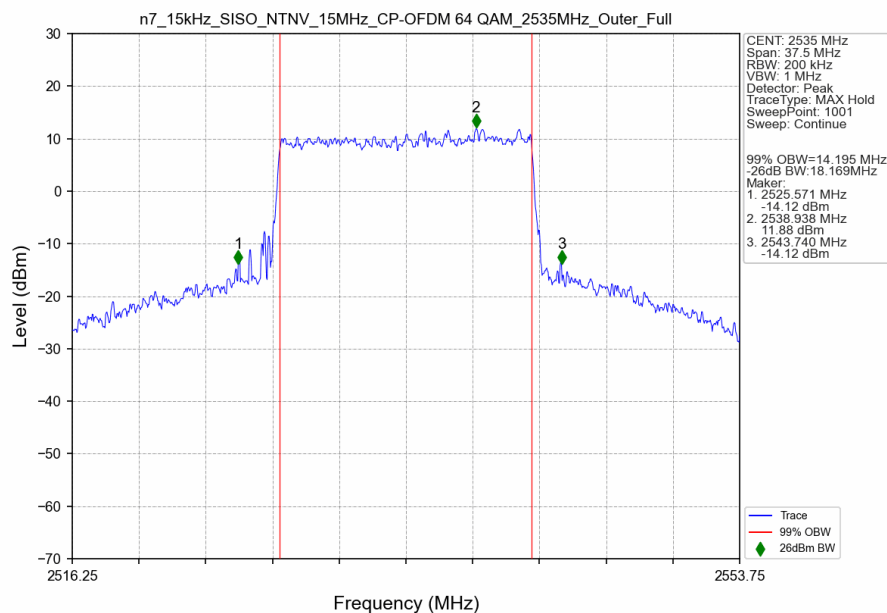
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant4



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

