

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2502.5	Edge 1RB Left	17.66	/	/	16.65	/	/	<=33	Pass
		Edge 1RB Right	18.17	/	/	17.16	/	/	<=33	Pass
		Outer Full	18.09	/	/	17.08	/	/	<=33	Pass
		Inner Full	18.46	/	/	17.45	/	/	<=33	Pass
		Inner 1RB Left	17.98	/	/	16.97	/	/	<=33	Pass
		Inner 1RB Right	18.42	/	/	17.41	/	/	<=33	Pass
	2535	Edge 1RB Left	17.08	/	/	16.07	/	/	<=33	Pass
		Edge 1RB Right	16.76	/	/	15.75	/	/	<=33	Pass
		Outer Full	16.96	/	/	15.95	/	/	<=33	Pass
		Inner Full	17.04	/	/	16.03	/	/	<=33	Pass
		Inner 1RB Left	17.32	/	/	16.31	/	/	<=33	Pass
		Inner 1RB Right	17.04	/	/	16.03	/	/	<=33	Pass
	2567.5	Edge 1RB Left	20.57	/	/	19.56	/	/	<=33	Pass
		Edge 1RB Right	18.69	/	/	17.68	/	/	<=33	Pass
		Outer Full	20.31	/	/	19.30	/	/	<=33	Pass
		Inner Full	20.32	/	/	19.31	/	/	<=33	Pass
		Inner 1RB Left	20.74	/	/	19.73	/	/	<=33	Pass
		Inner 1RB Right	18.94	/	/	17.93	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2502.5	Edge 1RB Left	17.22	/	/	16.21	/	/	<=33	Pass
		Edge 1RB Right	17.70	/	/	16.69	/	/	<=33	Pass
		Outer Full	17.42	/	/	16.41	/	/	<=33	Pass
		Inner Full	17.62	/	/	16.61	/	/	<=33	Pass
		Inner 1RB Left	17.54	/	/	16.53	/	/	<=33	Pass
		Inner 1RB Right	17.94	/	/	16.93	/	/	<=33	Pass
	2535	Edge 1RB Left	16.39	/	/	15.38	/	/	<=33	Pass
		Edge 1RB Right	16.14	/	/	15.13	/	/	<=33	Pass
		Outer Full	16.15	/	/	15.14	/	/	<=33	Pass
		Inner Full	16.43	/	/	15.42	/	/	<=33	Pass
		Inner 1RB Left	16.67	/	/	15.66	/	/	<=33	Pass
		Inner 1RB Right	16.43	/	/	15.42	/	/	<=33	Pass
	2567.5	Edge 1RB Left	19.81	/	/	18.80	/	/	<=33	Pass
		Edge 1RB Right	17.91	/	/	16.90	/	/	<=33	Pass
		Outer Full	19.26	/	/	18.25	/	/	<=33	Pass
		Inner Full	19.66	/	/	18.65	/	/	<=33	Pass
		Inner 1RB Left	20.04	/	/	19.03	/	/	<=33	Pass
		Inner 1RB Right	18.26	/	/	17.25	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2502.5	Edge 1RB Left	16.76	/	/	15.75	/	/	<=33	Pass
		Edge 1RB Right	17.24	/	/	16.23	/	/	<=33	Pass
		Outer Full	16.86	/	/	15.85	/	/	<=33	Pass
		Inner Full	16.97	/	/	15.96	/	/	<=33	Pass
		Inner 1RB Left	17.07	/	/	16.06	/	/	<=33	Pass
		Inner 1RB Right	17.41	/	/	16.40	/	/	<=33	Pass
	2535	Edge 1RB Left	15.99	/	/	14.98	/	/	<=33	Pass
		Edge 1RB Right	15.76	/	/	14.75	/	/	<=33	Pass
		Outer Full	15.75	/	/	14.74	/	/	<=33	Pass
		Inner Full	15.71	/	/	14.70	/	/	<=33	Pass
		Inner 1RB Left	16.01	/	/	15.00	/	/	<=33	Pass
		Inner 1RB Right	15.72	/	/	14.71	/	/	<=33	Pass

	2567.5	Edge_1RB_Left	19.37	/	/	18.36	/	/	<=33	Pass
		Edge_1RB_Right	17.45	/	/	16.44	/	/	<=33	Pass
		Outer_Full	18.82	/	/	17.81	/	/	<=33	Pass
		Inner_Full	18.95	/	/	17.94	/	/	<=33	Pass
		Inner_1RB_Left	19.35	/	/	18.34	/	/	<=33	Pass
		Inner_1RB_Right	17.57	/	/	16.56	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2502.5	Edge_1RB_Left	15.44	/	/	14.43	/	/	<=33	Pass
		Edge_1RB_Right	15.88	/	/	14.87	/	/	<=33	Pass
		Outer_Full	15.74	/	/	14.73	/	/	<=33	Pass
		Inner_Full	15.68	/	/	14.67	/	/	<=33	Pass
		Inner_1RB_Left	15.46	/	/	14.45	/	/	<=33	Pass
		Inner_1RB_Right	15.81	/	/	14.80	/	/	<=33	Pass
	2535	Edge_1RB_Left	14.77	/	/	13.76	/	/	<=33	Pass
		Edge_1RB_Right	14.52	/	/	13.51	/	/	<=33	Pass
		Outer_Full	14.62	/	/	13.61	/	/	<=33	Pass
		Inner_Full	15.83	/	/	14.82	/	/	<=33	Pass
		Inner_1RB_Left	14.76	/	/	13.75	/	/	<=33	Pass
		Inner_1RB_Right	14.51	/	/	13.50	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	18.08	/	/	17.07	/	/	<=33	Pass
		Edge_1RB_Right	16.11	/	/	15.10	/	/	<=33	Pass
		Outer_Full	17.64	/	/	16.63	/	/	<=33	Pass
		Inner_Full	18.37	/	/	17.36	/	/	<=33	Pass
		Inner_1RB_Left	18.09	/	/	17.08	/	/	<=33	Pass
		Inner_1RB_Right	16.20	/	/	15.19	/	/	<=33	Pass
CP-OFDM QPSK	2502.5	Edge_1RB_Left	16.61	/	/	15.60	/	/	<=33	Pass
		Edge_1RB_Right	17.08	/	/	16.07	/	/	<=33	Pass
		Outer_Full	16.91	/	/	15.90	/	/	<=33	Pass
		Inner_Full	17.17	/	/	16.16	/	/	<=33	Pass
		Inner_1RB_Left	16.95	/	/	15.94	/	/	<=33	Pass
		Inner_1RB_Right	17.37	/	/	16.36	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.92	/	/	15.91	/	/	<=33	Pass
		Edge_1RB_Right	16.49	/	/	15.48	/	/	<=33	Pass
		Outer_Full	16.85	/	/	15.84	/	/	<=33	Pass
		Inner_Full	16.81	/	/	15.80	/	/	<=33	Pass
		Inner_1RB_Left	17.07	/	/	16.06	/	/	<=33	Pass
		Inner_1RB_Right	16.75	/	/	15.74	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	19.52	/	/	18.51	/	/	<=33	Pass
		Edge_1RB_Right	17.58	/	/	16.57	/	/	<=33	Pass
		Outer_Full	19.15	/	/	18.14	/	/	<=33	Pass
		Inner_Full	19.30	/	/	18.29	/	/	<=33	Pass
		Inner_1RB_Left	19.72	/	/	18.71	/	/	<=33	Pass
		Inner_1RB_Right	17.84	/	/	16.83	/	/	<=33	Pass
CP-OFDM 16 QAM	2502.5	Edge_1RB_Left	16.29	/	/	15.28	/	/	<=33	Pass
		Edge_1RB_Right	16.76	/	/	15.75	/	/	<=33	Pass
		Outer_Full	16.42	/	/	15.41	/	/	<=33	Pass
		Inner_Full	16.73	/	/	15.72	/	/	<=33	Pass
		Inner_1RB_Left	16.67	/	/	15.66	/	/	<=33	Pass
		Inner_1RB_Right	17.10	/	/	16.09	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.35	/	/	15.34	/	/	<=33	Pass
		Edge_1RB_Right	16.06	/	/	15.05	/	/	<=33	Pass
		Outer_Full	16.09	/	/	15.08	/	/	<=33	Pass
		Inner_Full	16.27	/	/	15.26	/	/	<=33	Pass
		Inner_1RB_Left	16.65	/	/	15.64	/	/	<=33	Pass
		Inner_1RB_Right	16.34	/	/	15.33	/	/	<=33	Pass
	2567.5	Edge_1RB_Left	18.97	/	/	17.96	/	/	<=33	Pass
		Edge_1RB_Right	17.06	/	/	16.05	/	/	<=33	Pass
		Outer_Full	18.50	/	/	17.49	/	/	<=33	Pass
		Inner_Full	20.04	/	/	19.03	/	/	<=33	Pass
		Inner_1RB_Left	20.75	/	/	19.74	/	/	<=33	Pass

		Inner 1RB Right	18.89	/	/	17.88	/	/	<=33	Pass
CP-OFDM 64 QAM	2502.5	Edge 1RB Left	15.87	/	/	14.86	/	/	<=33	Pass
		Edge 1RB Right	16.32	/	/	15.31	/	/	<=33	Pass
		Outer Full	15.99	/	/	14.98	/	/	<=33	Pass
		Inner Full	16.71	/	/	15.70	/	/	<=33	Pass
		Inner 1RB Left	16.67	/	/	15.66	/	/	<=33	Pass
		Inner 1RB Right	17.16	/	/	16.15	/	/	<=33	Pass
	2535	Edge 1RB Left	15.84	/	/	14.83	/	/	<=33	Pass
		Edge 1RB Right	15.54	/	/	14.53	/	/	<=33	Pass
		Outer Full	15.57	/	/	14.56	/	/	<=33	Pass
		Inner Full	16.15	/	/	15.14	/	/	<=33	Pass
		Inner 1RB Left	16.50	/	/	15.49	/	/	<=33	Pass
		Inner 1RB Right	16.20	/	/	15.19	/	/	<=33	Pass
	2567.5	Edge 1RB Left	19.57	/	/	18.56	/	/	<=33	Pass
		Edge 1RB Right	18.07	/	/	17.06	/	/	<=33	Pass
		Outer Full	18.98	/	/	17.97	/	/	<=33	Pass
		Inner Full	22.35	/	/	21.34	/	/	<=33	Pass
		Inner 1RB Left	23.39	/	/	22.38	/	/	<=33	Pass
		Inner 1RB Right	21.01	/	/	20.00	/	/	<=33	Pass
CP-OFDM 256 QAM	2502.5	Edge 1RB Left	13.88	/	/	12.87	/	/	<=33	Pass
		Edge 1RB Right	14.29	/	/	13.28	/	/	<=33	Pass
		Outer Full	13.93	/	/	12.92	/	/	<=33	Pass
		Inner Full	14.00	/	/	12.99	/	/	<=33	Pass
		Inner 1RB Left	13.90	/	/	12.89	/	/	<=33	Pass
		Inner 1RB Right	14.25	/	/	13.24	/	/	<=33	Pass
	2535	Edge 1RB Left	14.07	/	/	13.06	/	/	<=33	Pass
		Edge 1RB Right	13.75	/	/	12.74	/	/	<=33	Pass
		Outer Full	13.85	/	/	12.84	/	/	<=33	Pass
		Inner Full	13.65	/	/	12.64	/	/	<=33	Pass
		Inner 1RB Left	13.97	/	/	12.96	/	/	<=33	Pass
		Inner 1RB Right	13.66	/	/	12.65	/	/	<=33	Pass
	2567.5	Edge 1RB Left	20.37	/	/	19.36	/	/	<=33	Pass
		Edge 1RB Right	17.91	/	/	16.90	/	/	<=33	Pass
		Outer Full	19.59	/	/	18.58	/	/	<=33	Pass
		Inner Full	19.87	/	/	18.86	/	/	<=33	Pass
		Inner 1RB Left	20.25	/	/	19.24	/	/	<=33	Pass
		Inner 1RB Right	17.87	/	/	16.86	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: -1.01dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2505	Edge 1RB Left	19.97	/	/	18.96	/	/	<=33	Pass
		Edge 1RB Right	22.16	/	/	21.15	/	/	<=33	Pass
		Outer Full	20.76	/	/	19.75	/	/	<=33	Pass
		Inner Full	20.70	/	/	19.69	/	/	<=33	Pass
		Inner 1RB Left	19.80	/	/	18.79	/	/	<=33	Pass
		Inner 1RB Right	22.40	/	/	21.39	/	/	<=33	Pass
	2535	Edge 1RB Left	21.95	/	/	20.94	/	/	<=33	Pass
		Edge 1RB Right	21.07	/	/	20.06	/	/	<=33	Pass
		Outer Full	21.29	/	/	20.28	/	/	<=33	Pass
		Inner Full	21.04	/	/	20.03	/	/	<=33	Pass
		Inner 1RB Left	21.57	/	/	20.56	/	/	<=33	Pass
		Inner 1RB Right	21.22	/	/	20.21	/	/	<=33	Pass

	2565	Edge_1RB_Left	21.45	/	/	20.44	/	/	<=33	Pass
		Edge_1RB_Right	19.60	/	/	18.59	/	/	<=33	Pass
		Outer_Full	21.30	/	/	20.29	/	/	<=33	Pass
		Inner_Full	21.20	/	/	20.19	/	/	<=33	Pass
		Inner_1RB_Left	21.15	/	/	20.14	/	/	<=33	Pass
		Inner_1RB_Right	19.78	/	/	18.77	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2505	Edge_1RB_Left	19.35	/	/	18.34	/	/	<=33	Pass
		Edge_1RB_Right	21.50	/	/	20.49	/	/	<=33	Pass
		Outer_Full	19.98	/	/	18.97	/	/	<=33	Pass
		Inner_Full	20.11	/	/	19.10	/	/	<=33	Pass
		Inner_1RB_Left	19.17	/	/	18.16	/	/	<=33	Pass
		Inner_1RB_Right	21.79	/	/	20.78	/	/	<=33	Pass
	2535	Edge_1RB_Left	21.09	/	/	20.08	/	/	<=33	Pass
		Edge_1RB_Right	20.26	/	/	19.25	/	/	<=33	Pass
		Outer_Full	20.19	/	/	19.18	/	/	<=33	Pass
		Inner_Full	20.65	/	/	19.64	/	/	<=33	Pass
		Inner_1RB_Left	21.12	/	/	20.11	/	/	<=33	Pass
		Inner_1RB_Right	20.97	/	/	19.96	/	/	<=33	Pass
	2565	Edge_1RB_Left	20.60	/	/	19.59	/	/	<=33	Pass
		Edge_1RB_Right	18.66	/	/	17.65	/	/	<=33	Pass
		Outer_Full	20.11	/	/	19.10	/	/	<=33	Pass
		Inner_Full	21.33	/	/	20.32	/	/	<=33	Pass
		Inner_1RB_Left	20.75	/	/	19.74	/	/	<=33	Pass
		Inner_1RB_Right	20.15	/	/	19.14	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2505	Edge_1RB_Left	18.89	/	/	17.88	/	/	<=33	Pass
		Edge_1RB_Right	21.03	/	/	20.02	/	/	<=33	Pass
		Outer_Full	19.46	/	/	18.45	/	/	<=33	Pass
		Inner_Full	19.31	/	/	18.30	/	/	<=33	Pass
		Inner_1RB_Left	18.38	/	/	17.37	/	/	<=33	Pass
		Inner_1RB_Right	20.95	/	/	19.94	/	/	<=33	Pass
	2535	Edge_1RB_Left	20.86	/	/	19.85	/	/	<=33	Pass
		Edge_1RB_Right	20.06	/	/	19.05	/	/	<=33	Pass
		Outer_Full	19.94	/	/	18.93	/	/	<=33	Pass
		Inner_Full	19.65	/	/	18.64	/	/	<=33	Pass
		Inner_1RB_Left	20.21	/	/	19.20	/	/	<=33	Pass
		Inner_1RB_Right	19.97	/	/	18.96	/	/	<=33	Pass
	2565	Edge_1RB_Left	20.89	/	/	19.88	/	/	<=33	Pass
		Edge_1RB_Right	19.12	/	/	18.11	/	/	<=33	Pass
		Outer_Full	20.65	/	/	19.64	/	/	<=33	Pass
		Inner_Full	20.84	/	/	19.83	/	/	<=33	Pass
		Inner_1RB_Left	20.25	/	/	19.24	/	/	<=33	Pass
		Inner_1RB_Right	19.03	/	/	18.02	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2505	Edge_1RB_Left	17.53	/	/	16.52	/	/	<=33	Pass
		Edge_1RB_Right	19.55	/	/	18.54	/	/	<=33	Pass
		Outer_Full	18.16	/	/	17.15	/	/	<=33	Pass
		Inner_Full	18.19	/	/	17.18	/	/	<=33	Pass
		Inner_1RB_Left	16.96	/	/	15.95	/	/	<=33	Pass
		Inner_1RB_Right	19.50	/	/	18.49	/	/	<=33	Pass
	2535	Edge_1RB_Left	19.35	/	/	18.34	/	/	<=33	Pass
		Edge_1RB_Right	18.59	/	/	17.58	/	/	<=33	Pass
		Outer_Full	18.59	/	/	17.58	/	/	<=33	Pass
		Inner_Full	15.91	/	/	14.90	/	/	<=33	Pass
		Inner_1RB_Left	18.66	/	/	17.65	/	/	<=33	Pass
		Inner_1RB_Right	18.52	/	/	17.51	/	/	<=33	Pass
	2565	Edge_1RB_Left	19.42	/	/	18.41	/	/	<=33	Pass
		Edge_1RB_Right	17.73	/	/	16.72	/	/	<=33	Pass
		Outer_Full	19.29	/	/	18.28	/	/	<=33	Pass
		Inner_Full	19.47	/	/	18.46	/	/	<=33	Pass
		Inner_1RB_Left	18.81	/	/	17.80	/	/	<=33	Pass

CP-OFDM QPSK	2505	Inner_1RB_Right	17.67	/	/	16.66	/	/	<=33	Pass
		Edge_1RB_Left	18.90	/	/	17.89	/	/	<=33	Pass
		Edge_1RB_Right	21.00	/	/	19.99	/	/	<=33	Pass
		Outer_Full	19.69	/	/	18.68	/	/	<=33	Pass
		Inner_Full	19.83	/	/	18.82	/	/	<=33	Pass
		Inner_1RB_Left	18.73	/	/	17.72	/	/	<=33	Pass
	2535	Inner_1RB_Right	21.27	/	/	20.26	/	/	<=33	Pass
		Edge_1RB_Left	17.46	/	/	16.45	/	/	<=33	Pass
		Edge_1RB_Right	16.89	/	/	15.88	/	/	<=33	Pass
		Outer_Full	17.00	/	/	15.99	/	/	<=33	Pass
		Inner_Full	16.93	/	/	15.92	/	/	<=33	Pass
		Inner_1RB_Left	17.19	/	/	16.18	/	/	<=33	Pass
	2565	Inner_1RB_Right	17.13	/	/	16.12	/	/	<=33	Pass
		Edge_1RB_Left	20.54	/	/	19.53	/	/	<=33	Pass
		Edge_1RB_Right	18.72	/	/	17.71	/	/	<=33	Pass
		Outer_Full	20.29	/	/	19.28	/	/	<=33	Pass
		Inner_Full	20.47	/	/	19.46	/	/	<=33	Pass
		Inner_1RB_Left	20.27	/	/	19.26	/	/	<=33	Pass
CP-OFDM 16 QAM	2505	Inner_1RB_Right	18.96	/	/	17.95	/	/	<=33	Pass
		Edge_1RB_Left	18.60	/	/	17.59	/	/	<=33	Pass
		Edge_1RB_Right	20.73	/	/	19.72	/	/	<=33	Pass
		Outer_Full	19.17	/	/	18.16	/	/	<=33	Pass
		Inner_Full	19.33	/	/	18.32	/	/	<=33	Pass
		Inner_1RB_Left	18.37	/	/	17.36	/	/	<=33	Pass
	2535	Inner_1RB_Right	20.96	/	/	19.95	/	/	<=33	Pass
		Edge_1RB_Left	16.87	/	/	15.86	/	/	<=33	Pass
		Edge_1RB_Right	16.39	/	/	15.38	/	/	<=33	Pass
		Outer_Full	16.25	/	/	15.24	/	/	<=33	Pass
		Inner_Full	16.64	/	/	15.63	/	/	<=33	Pass
		Inner_1RB_Left	17.03	/	/	16.02	/	/	<=33	Pass
	2565	Inner_1RB_Right	17.15	/	/	16.14	/	/	<=33	Pass
		Edge_1RB_Left	20.04	/	/	19.03	/	/	<=33	Pass
		Edge_1RB_Right	18.16	/	/	17.15	/	/	<=33	Pass
		Outer_Full	19.53	/	/	18.52	/	/	<=33	Pass
		Inner_Full	19.89	/	/	18.88	/	/	<=33	Pass
		Inner_1RB_Left	19.81	/	/	18.80	/	/	<=33	Pass
CP-OFDM 64 QAM	2505	Inner_1RB_Right	18.48	/	/	17.47	/	/	<=33	Pass
		Edge_1RB_Left	18.00	/	/	16.99	/	/	<=33	Pass
		Edge_1RB_Right	20.23	/	/	19.22	/	/	<=33	Pass
		Outer_Full	18.61	/	/	17.60	/	/	<=33	Pass
		Inner_Full	19.32	/	/	18.31	/	/	<=33	Pass
		Inner_1RB_Left	18.33	/	/	17.32	/	/	<=33	Pass
	2535	Inner_1RB_Right	21.02	/	/	20.01	/	/	<=33	Pass
		Edge_1RB_Left	16.70	/	/	15.69	/	/	<=33	Pass
		Edge_1RB_Right	16.18	/	/	15.17	/	/	<=33	Pass
		Outer_Full	15.90	/	/	14.89	/	/	<=33	Pass
		Inner_Full	16.35	/	/	15.34	/	/	<=33	Pass
		Inner_1RB_Left	16.81	/	/	15.80	/	/	<=33	Pass
	2565	Inner_1RB_Right	16.80	/	/	15.79	/	/	<=33	Pass
		Edge_1RB_Left	19.42	/	/	18.41	/	/	<=33	Pass
		Edge_1RB_Right	17.49	/	/	16.48	/	/	<=33	Pass
		Outer_Full	18.90	/	/	17.89	/	/	<=33	Pass
		Inner_Full	19.77	/	/	18.76	/	/	<=33	Pass
		Inner_1RB_Left	19.69	/	/	18.68	/	/	<=33	Pass
CP-OFDM 256 QAM	2505	Inner_1RB_Right	18.27	/	/	17.26	/	/	<=33	Pass
		Edge_1RB_Left	16.21	/	/	15.20	/	/	<=33	Pass
		Edge_1RB_Right	18.20	/	/	17.19	/	/	<=33	Pass
		Outer_Full	16.70	/	/	15.69	/	/	<=33	Pass
		Inner_Full	17.19	/	/	16.18	/	/	<=33	Pass

		Inner_1RB_Left	15.64	/	/	14.63	/	/	<=33	Pass
		Inner_1RB_Right	18.11	/	/	17.10	/	/	<=33	Pass
	2535	Edge_1RB_Left	14.51	/	/	13.50	/	/	<=33	Pass
		Edge_1RB_Right	14.01	/	/	13.00	/	/	<=33	Pass
		Outer_Full	13.72	/	/	12.71	/	/	<=33	Pass
		Inner_Full	14.41	/	/	13.40	/	/	<=33	Pass
		Inner_1RB_Left	13.85	/	/	12.84	/	/	<=33	Pass
		Inner_1RB_Right	13.96	/	/	12.95	/	/	<=33	Pass
	2565	Edge_1RB_Left	17.55	/	/	16.54	/	/	<=33	Pass
		Edge_1RB_Right	15.63	/	/	14.62	/	/	<=33	Pass
		Outer_Full	17.02	/	/	16.01	/	/	<=33	Pass
		Inner_Full	18.31	/	/	17.30	/	/	<=33	Pass
		Inner_1RB_Left	16.99	/	/	15.98	/	/	<=33	Pass
		Inner_1RB_Right	15.69	/	/	14.68	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: -1.01dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_15MHz_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2507.5	Edge 1RB Left	18.75	/	/	17.74	/	/	<=33	Pass
		Edge 1RB Right	19.71	/	/	18.70	/	/	<=33	Pass
		Outer Full	19.06	/	/	18.05	/	/	<=33	Pass
		Inner Full	18.97	/	/	17.96	/	/	<=33	Pass
		Inner 1RB Left	18.89	/	/	17.88	/	/	<=33	Pass
		Inner 1RB Right	19.93	/	/	18.92	/	/	<=33	Pass
	2535	Edge 1RB Left	18.05	/	/	17.04	/	/	<=33	Pass
		Edge 1RB Right	17.61	/	/	16.60	/	/	<=33	Pass
		Outer Full	17.36	/	/	16.35	/	/	<=33	Pass
		Inner Full	17.16	/	/	16.15	/	/	<=33	Pass
		Inner 1RB Left	18.11	/	/	17.10	/	/	<=33	Pass
		Inner 1RB Right	17.83	/	/	16.82	/	/	<=33	Pass
	2562.5	Edge 1RB Left	20.40	/	/	19.39	/	/	<=33	Pass
		Edge 1RB Right	20.45	/	/	19.44	/	/	<=33	Pass
		Outer Full	21.16	/	/	20.15	/	/	<=33	Pass
		Inner Full	21.25	/	/	20.24	/	/	<=33	Pass
		Inner 1RB Left	20.50	/	/	19.49	/	/	<=33	Pass
		Inner 1RB Right	20.80	/	/	19.79	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2507.5	Edge 1RB Left	18.18	/	/	17.17	/	/	<=33	Pass
		Edge 1RB Right	18.98	/	/	17.97	/	/	<=33	Pass
		Outer Full	18.19	/	/	17.18	/	/	<=33	Pass
		Inner Full	18.30	/	/	17.29	/	/	<=33	Pass
		Inner 1RB Left	18.35	/	/	17.34	/	/	<=33	Pass
		Inner 1RB Right	19.29	/	/	18.28	/	/	<=33	Pass
	2535	Edge 1RB Left	17.35	/	/	16.34	/	/	<=33	Pass
		Edge 1RB Right	17.02	/	/	16.01	/	/	<=33	Pass
		Outer Full	16.46	/	/	15.45	/	/	<=33	Pass
		Inner Full	16.51	/	/	15.50	/	/	<=33	Pass
		Inner 1RB Left	17.51	/	/	16.50	/	/	<=33	Pass
		Inner 1RB Right	17.29	/	/	16.28	/	/	<=33	Pass
	2562.5	Edge 1RB Left	19.76	/	/	18.75	/	/	<=33	Pass
		Edge 1RB Right	19.80	/	/	18.79	/	/	<=33	Pass
		Outer Full	20.27	/	/	19.26	/	/	<=33	Pass
		Inner Full	20.69	/	/	19.68	/	/	<=33	Pass
		Inner 1RB Left	19.88	/	/	18.87	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	2507.5	Inner_1RB_Right	20.63	/	/	19.62	/	/	<=33	Pass
		Edge_1RB_Left	17.77	/	/	16.76	/	/	<=33	Pass
		Edge_1RB_Right	18.50	/	/	17.49	/	/	<=33	Pass
		Outer_Full	17.67	/	/	16.66	/	/	<=33	Pass
		Inner_Full	17.47	/	/	16.46	/	/	<=33	Pass
		Inner_1RB_Left	17.59	/	/	16.58	/	/	<=33	Pass
	2535	Inner_1RB_Right	18.55	/	/	17.54	/	/	<=33	Pass
		Edge_1RB_Left	17.01	/	/	16.00	/	/	<=33	Pass
		Edge_1RB_Right	16.69	/	/	15.68	/	/	<=33	Pass
		Outer_Full	16.05	/	/	15.04	/	/	<=33	Pass
		Inner_Full	15.78	/	/	14.77	/	/	<=33	Pass
		Inner_1RB_Left	16.83	/	/	15.82	/	/	<=33	Pass
	2562.5	Inner_1RB_Right	16.56	/	/	15.55	/	/	<=33	Pass
		Edge_1RB_Left	19.49	/	/	18.48	/	/	<=33	Pass
		Edge_1RB_Right	19.55	/	/	18.54	/	/	<=33	Pass
		Outer_Full	19.94	/	/	18.93	/	/	<=33	Pass
		Inner_Full	19.63	/	/	18.62	/	/	<=33	Pass
		Inner_1RB_Left	19.31	/	/	18.30	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2507.5	Inner_1RB_Right	19.67	/	/	18.66	/	/	<=33	Pass
		Edge_1RB_Left	16.46	/	/	15.45	/	/	<=33	Pass
		Edge_1RB_Right	17.25	/	/	16.24	/	/	<=33	Pass
		Outer_Full	16.57	/	/	15.56	/	/	<=33	Pass
		Inner_Full	16.21	/	/	15.20	/	/	<=33	Pass
		Inner_1RB_Left	16.30	/	/	15.29	/	/	<=33	Pass
	2535	Inner_1RB_Right	17.16	/	/	16.15	/	/	<=33	Pass
		Edge_1RB_Left	15.68	/	/	14.67	/	/	<=33	Pass
		Edge_1RB_Right	15.36	/	/	14.35	/	/	<=33	Pass
		Outer_Full	14.88	/	/	13.87	/	/	<=33	Pass
		Inner_Full	15.84	/	/	14.83	/	/	<=33	Pass
		Inner_1RB_Left	15.52	/	/	14.51	/	/	<=33	Pass
	2562.5	Inner_1RB_Right	15.31	/	/	14.30	/	/	<=33	Pass
		Edge_1RB_Left	17.89	/	/	16.88	/	/	<=33	Pass
		Edge_1RB_Right	18.00	/	/	16.99	/	/	<=33	Pass
		Outer_Full	18.45	/	/	17.44	/	/	<=33	Pass
		Inner_Full	19.21	/	/	18.20	/	/	<=33	Pass
		Inner_1RB_Left	17.74	/	/	16.73	/	/	<=33	Pass
CP-OFDM QPSK	2507.5	Inner_1RB_Right	18.20	/	/	17.19	/	/	<=33	Pass
		Edge_1RB_Left	17.62	/	/	16.61	/	/	<=33	Pass
		Edge_1RB_Right	18.40	/	/	17.39	/	/	<=33	Pass
		Outer_Full	17.79	/	/	16.78	/	/	<=33	Pass
		Inner_Full	17.91	/	/	16.90	/	/	<=33	Pass
		Inner_1RB_Left	17.82	/	/	16.81	/	/	<=33	Pass
	2535	Inner_1RB_Right	18.70	/	/	17.69	/	/	<=33	Pass
		Edge_1RB_Left	17.86	/	/	16.85	/	/	<=33	Pass
		Edge_1RB_Right	17.33	/	/	16.32	/	/	<=33	Pass
		Outer_Full	17.15	/	/	16.14	/	/	<=33	Pass
		Inner_Full	16.91	/	/	15.90	/	/	<=33	Pass
		Inner_1RB_Left	17.87	/	/	16.86	/	/	<=33	Pass
	2562.5	Inner_1RB_Right	17.52	/	/	16.51	/	/	<=33	Pass
		Edge_1RB_Left	19.56	/	/	18.55	/	/	<=33	Pass
		Edge_1RB_Right	19.88	/	/	18.87	/	/	<=33	Pass
		Outer_Full	20.42	/	/	19.41	/	/	<=33	Pass
		Inner_Full	20.34	/	/	19.33	/	/	<=33	Pass
		Inner_1RB_Left	19.69	/	/	18.68	/	/	<=33	Pass
CP-OFDM 16 QAM	2507.5	Inner_1RB_Right	20.19	/	/	19.18	/	/	<=33	Pass
		Edge_1RB_Left	17.36	/	/	16.35	/	/	<=33	Pass
		Edge_1RB_Right	18.03	/	/	17.02	/	/	<=33	Pass
		Outer_Full	17.24	/	/	16.23	/	/	<=33	Pass
		Inner_Full	17.43	/	/	16.42	/	/	<=33	Pass

		Inner_1RB_Left	17.51	/	/	16.50	/	/	<=33	Pass
		Inner_1RB_Right	18.34	/	/	17.33	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.24	/	/	16.23	/	/	<=33	Pass
		Edge_1RB_Right	16.89	/	/	15.88	/	/	<=33	Pass
		Outer_Full	16.39	/	/	15.38	/	/	<=33	Pass
		Inner_Full	16.66	/	/	15.65	/	/	<=33	Pass
		Inner_1RB_Left	17.80	/	/	16.79	/	/	<=33	Pass
		Inner_1RB_Right	17.60	/	/	16.59	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	19.17	/	/	18.16	/	/	<=33	Pass
		Edge_1RB_Right	19.30	/	/	18.29	/	/	<=33	Pass
		Outer_Full	19.62	/	/	18.61	/	/	<=33	Pass
		Inner_Full	20.35	/	/	19.34	/	/	<=33	Pass
		Inner_1RB_Left	19.91	/	/	18.90	/	/	<=33	Pass
		Inner_1RB_Right	20.62	/	/	19.61	/	/	<=33	Pass
CP-OFDM 64 QAM	2507.5	Edge_1RB_Left	16.92	/	/	15.91	/	/	<=33	Pass
		Edge_1RB_Right	17.42	/	/	16.41	/	/	<=33	Pass
		Outer_Full	16.69	/	/	15.68	/	/	<=33	Pass
		Inner_Full	17.40	/	/	16.39	/	/	<=33	Pass
		Inner_1RB_Left	17.55	/	/	16.54	/	/	<=33	Pass
		Inner_1RB_Right	18.36	/	/	17.35	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.08	/	/	16.07	/	/	<=33	Pass
		Edge_1RB_Right	16.64	/	/	15.63	/	/	<=33	Pass
		Outer_Full	16.07	/	/	15.06	/	/	<=33	Pass
		Inner_Full	16.37	/	/	15.36	/	/	<=33	Pass
		Inner_1RB_Left	17.57	/	/	16.56	/	/	<=33	Pass
		Inner_1RB_Right	17.25	/	/	16.24	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	18.98	/	/	17.97	/	/	<=33	Pass
		Edge_1RB_Right	19.66	/	/	18.65	/	/	<=33	Pass
		Outer_Full	19.45	/	/	18.44	/	/	<=33	Pass
		Inner_Full	20.41	/	/	19.40	/	/	<=33	Pass
		Inner_1RB_Left	20.02	/	/	19.01	/	/	<=33	Pass
		Inner_1RB_Right	20.73	/	/	19.72	/	/	<=33	Pass
CP-OFDM 256 QAM	2507.5	Edge_1RB_Left	15.17	/	/	14.16	/	/	<=33	Pass
		Edge_1RB_Right	15.83	/	/	14.82	/	/	<=33	Pass
		Outer_Full	14.77	/	/	13.76	/	/	<=33	Pass
		Inner_Full	14.72	/	/	13.71	/	/	<=33	Pass
		Inner_1RB_Left	14.96	/	/	13.95	/	/	<=33	Pass
		Inner_1RB_Right	15.76	/	/	14.75	/	/	<=33	Pass
	2535	Edge_1RB_Left	14.89	/	/	13.88	/	/	<=33	Pass
		Edge_1RB_Right	14.48	/	/	13.47	/	/	<=33	Pass
		Outer_Full	13.87	/	/	12.86	/	/	<=33	Pass
		Inner_Full	14.39	/	/	13.38	/	/	<=33	Pass
		Inner_1RB_Left	14.65	/	/	13.64	/	/	<=33	Pass
		Inner_1RB_Right	14.43	/	/	13.42	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	17.06	/	/	16.05	/	/	<=33	Pass
		Edge_1RB_Right	17.62	/	/	16.61	/	/	<=33	Pass
		Outer_Full	17.71	/	/	16.70	/	/	<=33	Pass
Inner_Full		17.70	/	/	16.69	/	/	<=33	Pass	
Inner_1RB_Left		16.85	/	/	15.84	/	/	<=33	Pass	
		Inner_1RB_Right	17.79	/	/	16.78	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: -1.01dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_20MHz_NTNV_EIRP

5G NR n7 SCS=15kHz SISO 20MHz NTN					
Modulation	Frequency	RB	Conducted Power(dBm)	EIRP(dBm)	Verdict

	(MHz)	Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2510	Edge 1RB Left	19.02	/	/	18.01	/	/	<=33	Pass
		Edge 1RB Right	19.68	/	/	18.67	/	/	<=33	Pass
		Outer Full	19.33	/	/	18.32	/	/	<=33	Pass
		Inner Full	19.17	/	/	18.16	/	/	<=33	Pass
		Inner 1RB Left	19.19	/	/	18.18	/	/	<=33	Pass
		Inner 1RB Right	19.91	/	/	18.90	/	/	<=33	Pass
	2535	Edge 1RB Left	18.44	/	/	17.43	/	/	<=33	Pass
		Edge 1RB Right	17.96	/	/	16.95	/	/	<=33	Pass
		Outer Full	17.55	/	/	16.54	/	/	<=33	Pass
		Inner Full	17.23	/	/	16.22	/	/	<=33	Pass
		Inner 1RB Left	18.59	/	/	17.58	/	/	<=33	Pass
		Inner 1RB Right	18.20	/	/	17.19	/	/	<=33	Pass
	2560	Edge 1RB Left	19.26	/	/	18.25	/	/	<=33	Pass
		Edge 1RB Right	19.55	/	/	18.54	/	/	<=33	Pass
		Outer Full	20.34	/	/	19.33	/	/	<=33	Pass
		Inner Full	20.20	/	/	19.19	/	/	<=33	Pass
		Inner 1RB Left	19.39	/	/	18.38	/	/	<=33	Pass
		Inner 1RB Right	19.75	/	/	18.74	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2510	Edge 1RB Left	18.35	/	/	17.34	/	/	<=33	Pass
		Edge 1RB Right	18.90	/	/	17.89	/	/	<=33	Pass
		Outer Full	18.31	/	/	17.30	/	/	<=33	Pass
		Inner Full	18.38	/	/	17.37	/	/	<=33	Pass
		Inner 1RB Left	18.56	/	/	17.55	/	/	<=33	Pass
		Inner 1RB Right	19.21	/	/	18.20	/	/	<=33	Pass
	2535	Edge 1RB Left	17.76	/	/	16.75	/	/	<=33	Pass
		Edge 1RB Right	17.27	/	/	16.26	/	/	<=33	Pass
		Outer Full	16.69	/	/	15.68	/	/	<=33	Pass
		Inner Full	16.59	/	/	15.58	/	/	<=33	Pass
		Inner 1RB Left	17.92	/	/	16.91	/	/	<=33	Pass
		Inner 1RB Right	17.59	/	/	16.58	/	/	<=33	Pass
	2560	Edge 1RB Left	18.55	/	/	17.54	/	/	<=33	Pass
		Edge 1RB Right	18.73	/	/	17.72	/	/	<=33	Pass
		Outer Full	19.37	/	/	18.36	/	/	<=33	Pass
		Inner Full	19.68	/	/	18.67	/	/	<=33	Pass
		Inner 1RB Left	19.05	/	/	18.04	/	/	<=33	Pass
		Inner 1RB Right	19.46	/	/	18.45	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2510	Edge 1RB Left	17.96	/	/	16.95	/	/	<=33	Pass
		Edge 1RB Right	18.48	/	/	17.47	/	/	<=33	Pass
		Outer Full	17.78	/	/	16.77	/	/	<=33	Pass
		Inner Full	17.52	/	/	16.51	/	/	<=33	Pass
		Inner 1RB Left	17.86	/	/	16.85	/	/	<=33	Pass
		Inner 1RB Right	18.41	/	/	17.40	/	/	<=33	Pass
	2535	Edge 1RB Left	17.34	/	/	16.33	/	/	<=33	Pass
		Edge 1RB Right	16.97	/	/	15.96	/	/	<=33	Pass
		Outer Full	16.26	/	/	15.25	/	/	<=33	Pass
		Inner Full	15.83	/	/	14.82	/	/	<=33	Pass
		Inner 1RB Left	17.18	/	/	16.17	/	/	<=33	Pass
		Inner 1RB Right	16.96	/	/	15.95	/	/	<=33	Pass
	2560	Edge 1RB Left	18.29	/	/	17.28	/	/	<=33	Pass
		Edge 1RB Right	18.54	/	/	17.53	/	/	<=33	Pass
		Outer Full	19.05	/	/	18.04	/	/	<=33	Pass
		Inner Full	19.54	/	/	18.53	/	/	<=33	Pass
		Inner 1RB Left	18.35	/	/	17.34	/	/	<=33	Pass
		Inner 1RB Right	19.91	/	/	18.90	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2510	Edge 1RB Left	16.60	/	/	15.59	/	/	<=33	Pass
		Edge 1RB Right	17.03	/	/	16.02	/	/	<=33	Pass
		Outer Full	16.62	/	/	15.61	/	/	<=33	Pass
		Inner Full	16.35	/	/	15.34	/	/	<=33	Pass

		Inner_1RB_Left	16.49	/	/	15.48	/	/	<=33	Pass
		Inner_1RB_Right	17.03	/	/	16.02	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.14	/	/	15.13	/	/	<=33	Pass
		Edge_1RB_Right	15.64	/	/	14.63	/	/	<=33	Pass
		Outer_Full	15.15	/	/	14.14	/	/	<=33	Pass
		Inner_Full	15.20	/	/	14.19	/	/	<=33	Pass
		Inner_1RB_Left	16.01	/	/	15.00	/	/	<=33	Pass
		Inner_1RB_Right	15.66	/	/	14.65	/	/	<=33	Pass
	2560	Edge_1RB_Left	17.37	/	/	16.36	/	/	<=33	Pass
		Edge_1RB_Right	17.89	/	/	16.88	/	/	<=33	Pass
		Outer_Full	18.41	/	/	17.40	/	/	<=33	Pass
		Inner_Full	18.48	/	/	17.47	/	/	<=33	Pass
		Inner_1RB_Left	17.17	/	/	16.16	/	/	<=33	Pass
		Inner_1RB_Right	17.88	/	/	16.87	/	/	<=33	Pass
CP-OFDM QPSK	2510	Edge_1RB_Left	17.76	/	/	16.75	/	/	<=33	Pass
		Edge_1RB_Right	18.24	/	/	17.23	/	/	<=33	Pass
		Outer_Full	17.86	/	/	16.85	/	/	<=33	Pass
		Inner_Full	17.94	/	/	16.93	/	/	<=33	Pass
		Inner_1RB_Left	18.01	/	/	17.00	/	/	<=33	Pass
		Inner_1RB_Right	18.50	/	/	17.49	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.48	/	/	16.47	/	/	<=33	Pass
		Edge_1RB_Right	17.08	/	/	16.07	/	/	<=33	Pass
		Outer_Full	16.71	/	/	15.70	/	/	<=33	Pass
		Inner_Full	16.33	/	/	15.32	/	/	<=33	Pass
		Inner_1RB_Left	17.56	/	/	16.55	/	/	<=33	Pass
		Inner_1RB_Right	17.24	/	/	16.23	/	/	<=33	Pass
	2560	Edge_1RB_Left	18.69	/	/	17.68	/	/	<=33	Pass
		Edge_1RB_Right	19.26	/	/	18.25	/	/	<=33	Pass
		Outer_Full	19.85	/	/	18.84	/	/	<=33	Pass
		Inner_Full	19.73	/	/	18.72	/	/	<=33	Pass
		Inner_1RB_Left	18.82	/	/	17.81	/	/	<=33	Pass
		Inner_1RB_Right	19.31	/	/	18.30	/	/	<=33	Pass
CP-OFDM 16 QAM	2510	Edge_1RB_Left	17.48	/	/	16.47	/	/	<=33	Pass
		Edge_1RB_Right	17.94	/	/	16.93	/	/	<=33	Pass
		Outer_Full	17.34	/	/	16.33	/	/	<=33	Pass
		Inner_Full	17.48	/	/	16.47	/	/	<=33	Pass
		Inner_1RB_Left	17.77	/	/	16.76	/	/	<=33	Pass
		Inner_1RB_Right	18.22	/	/	17.21	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.99	/	/	15.98	/	/	<=33	Pass
		Edge_1RB_Right	17.51	/	/	16.50	/	/	<=33	Pass
		Outer_Full	15.97	/	/	14.96	/	/	<=33	Pass
		Inner_Full	16.45	/	/	15.44	/	/	<=33	Pass
		Inner_1RB_Left	17.99	/	/	16.98	/	/	<=33	Pass
		Inner_1RB_Right	17.55	/	/	16.54	/	/	<=33	Pass
	2560	Edge_1RB_Left	18.19	/	/	17.18	/	/	<=33	Pass
		Edge_1RB_Right	18.65	/	/	17.64	/	/	<=33	Pass
		Outer_Full	19.05	/	/	18.04	/	/	<=33	Pass
		Inner_Full	19.70	/	/	18.69	/	/	<=33	Pass
		Inner_1RB_Left	18.68	/	/	17.67	/	/	<=33	Pass
		Inner_1RB_Right	19.83	/	/	18.82	/	/	<=33	Pass
CP-OFDM 64 QAM	2510	Edge_1RB_Left	17.42	/	/	16.41	/	/	<=33	Pass
		Edge_1RB_Right	17.79	/	/	16.78	/	/	<=33	Pass
		Outer_Full	17.28	/	/	16.27	/	/	<=33	Pass
		Inner_Full	17.57	/	/	16.56	/	/	<=33	Pass
		Inner_1RB_Left	17.83	/	/	16.82	/	/	<=33	Pass
		Inner_1RB_Right	18.35	/	/	17.34	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.44	/	/	16.43	/	/	<=33	Pass
		Edge_1RB_Right	17.00	/	/	15.99	/	/	<=33	Pass
		Outer_Full	16.03	/	/	15.02	/	/	<=33	Pass

		Inner_Full	16.47	/	/	15.46	/	/	<=33	Pass
		Inner_1RB_Left	18.10	/	/	17.09	/	/	<=33	Pass
		Inner_1RB_Right	17.58	/	/	16.57	/	/	<=33	Pass
	2560	Edge_1RB_Left	17.91	/	/	16.90	/	/	<=33	Pass
		Edge_1RB_Right	18.62	/	/	17.61	/	/	<=33	Pass
		Outer_Full	18.85	/	/	17.84	/	/	<=33	Pass
		Inner_Full	19.72	/	/	18.71	/	/	<=33	Pass
		Inner_1RB_Left	19.11	/	/	18.10	/	/	<=33	Pass
		Inner_1RB_Right	19.88	/	/	18.87	/	/	<=33	Pass
CP-OFDM 256 QAM	2510	Edge_1RB_Left	15.37	/	/	14.36	/	/	<=33	Pass
		Edge_1RB_Right	15.82	/	/	14.81	/	/	<=33	Pass
		Outer_Full	15.18	/	/	14.17	/	/	<=33	Pass
		Inner_Full	14.88	/	/	13.87	/	/	<=33	Pass
		Inner_1RB_Left	15.25	/	/	14.24	/	/	<=33	Pass
		Inner_1RB_Right	15.75	/	/	14.74	/	/	<=33	Pass
	2535	Edge_1RB_Left	15.15	/	/	14.14	/	/	<=33	Pass
		Edge_1RB_Right	14.73	/	/	13.72	/	/	<=33	Pass
		Outer_Full	14.11	/	/	13.10	/	/	<=33	Pass
		Inner_Full	13.70	/	/	12.69	/	/	<=33	Pass
		Inner_1RB_Left	14.91	/	/	13.90	/	/	<=33	Pass
		Inner_1RB_Right	14.60	/	/	13.59	/	/	<=33	Pass
	2560	Edge_1RB_Left	16.21	/	/	15.20	/	/	<=33	Pass
		Edge_1RB_Right	16.95	/	/	15.94	/	/	<=33	Pass
		Outer_Full	17.16	/	/	16.15	/	/	<=33	Pass
		Inner_Full	17.07	/	/	16.06	/	/	<=33	Pass
		Inner_1RB_Left	16.04	/	/	15.03	/	/	<=33	Pass
		Inner_1RB_Right	16.87	/	/	15.86	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: -1.01dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30k_SISO_10MHz_NTNV_EIRP

5G NR n7 SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2505	Edge_1RB_Left	17.83	/	/	16.82	/	/	<=33	Pass
		Edge_1RB_Right	18.45	/	/	17.44	/	/	<=33	Pass
		Outer_Full	18.24	/	/	17.23	/	/	<=33	Pass
		Inner_Full	18.31	/	/	17.30	/	/	<=33	Pass
		Inner_1RB_Left	18.00	/	/	16.99	/	/	<=33	Pass
		Inner_1RB_Right	18.76	/	/	17.75	/	/	<=33	Pass
	2535	Edge_1RB_Left	18.04	/	/	17.03	/	/	<=33	Pass
		Edge_1RB_Right	17.70	/	/	16.69	/	/	<=33	Pass
		Outer_Full	17.91	/	/	16.90	/	/	<=33	Pass
		Inner_Full	17.72	/	/	16.71	/	/	<=33	Pass
		Inner_1RB_Left	18.05	/	/	17.04	/	/	<=33	Pass
		Inner_1RB_Right	17.94	/	/	16.93	/	/	<=33	Pass
	2565	Edge_1RB_Left	21.04	/	/	20.03	/	/	<=33	Pass
		Edge_1RB_Right	20.20	/	/	19.19	/	/	<=33	Pass
		Outer_Full	21.17	/	/	20.16	/	/	<=33	Pass
		Inner_Full	20.96	/	/	19.95	/	/	<=33	Pass
		Inner_1RB_Left	21.09	/	/	20.08	/	/	<=33	Pass
		Inner_1RB_Right	20.75	/	/	19.74	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2505	Edge_1RB_Left	17.21	/	/	16.20	/	/	<=33	Pass
		Edge_1RB_Right	17.80	/	/	16.79	/	/	<=33	Pass
		Outer_Full	17.43	/	/	16.42	/	/	<=33	Pass
		Inner_Full	17.68	/	/	16.67	/	/	<=33	Pass

		Inner_1RB_Left	17.41	/	/	16.40	/	/	<=33	Pass
		Inner_1RB_Right	18.18	/	/	17.17	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.19	/	/	16.18	/	/	<=33	Pass
		Edge_1RB_Right	16.91	/	/	15.90	/	/	<=33	Pass
		Outer_Full	16.86	/	/	15.85	/	/	<=33	Pass
		Inner_Full	17.60	/	/	16.59	/	/	<=33	Pass
		Inner_1RB_Left	17.29	/	/	16.28	/	/	<=33	Pass
		Inner_1RB_Right	17.97	/	/	16.96	/	/	<=33	Pass
	2565	Edge_1RB_Left	20.19	/	/	19.18	/	/	<=33	Pass
		Edge_1RB_Right	19.32	/	/	18.31	/	/	<=33	Pass
		Outer_Full	20.03	/	/	19.02	/	/	<=33	Pass
		Inner_Full	20.20	/	/	19.19	/	/	<=33	Pass
		Inner_1RB_Left	20.33	/	/	19.32	/	/	<=33	Pass
		Inner_1RB_Right	20.02	/	/	19.01	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2505	Edge_1RB_Left	16.63	/	/	15.62	/	/	<=33	Pass
		Edge_1RB_Right	17.30	/	/	16.29	/	/	<=33	Pass
		Outer_Full	16.91	/	/	15.90	/	/	<=33	Pass
		Inner_Full	16.85	/	/	15.84	/	/	<=33	Pass
		Inner_1RB_Left	16.62	/	/	15.61	/	/	<=33	Pass
		Inner_1RB_Right	17.32	/	/	16.31	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.08	/	/	16.07	/	/	<=33	Pass
		Edge_1RB_Right	16.83	/	/	15.82	/	/	<=33	Pass
		Outer_Full	16.83	/	/	15.82	/	/	<=33	Pass
		Inner_Full	16.83	/	/	15.82	/	/	<=33	Pass
		Inner_1RB_Left	17.15	/	/	16.14	/	/	<=33	Pass
		Inner_1RB_Right	17.22	/	/	16.21	/	/	<=33	Pass
	2565	Edge_1RB_Left	19.65	/	/	18.64	/	/	<=33	Pass
		Edge_1RB_Right	18.77	/	/	17.76	/	/	<=33	Pass
		Outer_Full	19.45	/	/	18.44	/	/	<=33	Pass
		Inner_Full	19.41	/	/	18.40	/	/	<=33	Pass
		Inner_1RB_Left	19.44	/	/	18.43	/	/	<=33	Pass
		Inner_1RB_Right	19.27	/	/	18.26	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2505	Edge_1RB_Left	15.89	/	/	14.88	/	/	<=33	Pass
		Edge_1RB_Right	16.47	/	/	15.46	/	/	<=33	Pass
		Outer_Full	16.24	/	/	15.23	/	/	<=33	Pass
		Inner_Full	16.22	/	/	15.21	/	/	<=33	Pass
		Inner_1RB_Left	15.69	/	/	14.68	/	/	<=33	Pass
		Inner_1RB_Right	16.41	/	/	15.40	/	/	<=33	Pass
	2535	Edge_1RB_Left	15.92	/	/	14.91	/	/	<=33	Pass
		Edge_1RB_Right	15.62	/	/	14.61	/	/	<=33	Pass
		Outer_Full	15.69	/	/	14.68	/	/	<=33	Pass
		Inner_Full	15.95	/	/	14.94	/	/	<=33	Pass
		Inner_1RB_Left	15.66	/	/	14.65	/	/	<=33	Pass
		Inner_1RB_Right	15.60	/	/	14.59	/	/	<=33	Pass
	2565	Edge_1RB_Left	18.35	/	/	17.34	/	/	<=33	Pass
		Edge_1RB_Right	17.55	/	/	16.54	/	/	<=33	Pass
		Outer_Full	18.29	/	/	17.28	/	/	<=33	Pass
		Inner_Full	19.42	/	/	18.41	/	/	<=33	Pass
		Inner_1RB_Left	18.20	/	/	17.19	/	/	<=33	Pass
		Inner_1RB_Right	18.09	/	/	17.08	/	/	<=33	Pass
CP-OFDM QPSK	2505	Edge_1RB_Left	17.06	/	/	16.05	/	/	<=33	Pass
		Edge_1RB_Right	17.68	/	/	16.67	/	/	<=33	Pass
		Outer_Full	17.49	/	/	16.48	/	/	<=33	Pass
		Inner_Full	17.63	/	/	16.62	/	/	<=33	Pass
		Inner_1RB_Left	17.27	/	/	16.26	/	/	<=33	Pass
		Inner_1RB_Right	18.09	/	/	17.08	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.13	/	/	16.12	/	/	<=33	Pass
		Edge_1RB_Right	16.77	/	/	15.76	/	/	<=33	Pass
		Outer_Full	17.01	/	/	16.00	/	/	<=33	Pass

		Inner_Full	16.94	/	/	15.93	/	/	<=33	Pass
		Inner_1RB_Left	17.21	/	/	16.20	/	/	<=33	Pass
		Inner_1RB_Right	17.12	/	/	16.11	/	/	<=33	Pass
	2565	Edge_1RB_Left	20.13	/	/	19.12	/	/	<=33	Pass
		Edge_1RB_Right	19.43	/	/	18.42	/	/	<=33	Pass
		Outer_Full	20.32	/	/	19.31	/	/	<=33	Pass
		Inner_Full	20.27	/	/	19.26	/	/	<=33	Pass
		Inner_1RB_Left	20.26	/	/	19.25	/	/	<=33	Pass
		Inner_1RB_Right	20.14	/	/	19.13	/	/	<=33	Pass
		Edge_1RB_Left	16.61	/	/	15.60	/	/	<=33	Pass
CP-OFDM 16 QAM	2505	Edge_1RB_Right	17.26	/	/	16.25	/	/	<=33	Pass
		Outer_Full	16.83	/	/	15.82	/	/	<=33	Pass
		Inner_Full	17.11	/	/	16.10	/	/	<=33	Pass
		Inner_1RB_Left	16.91	/	/	15.90	/	/	<=33	Pass
		Inner_1RB_Right	17.65	/	/	16.64	/	/	<=33	Pass
		Edge_1RB_Left	16.59	/	/	15.58	/	/	<=33	Pass
	2535	Edge_1RB_Right	16.34	/	/	15.33	/	/	<=33	Pass
		Outer_Full	16.23	/	/	15.22	/	/	<=33	Pass
		Inner_Full	16.85	/	/	15.84	/	/	<=33	Pass
		Inner_1RB_Left	17.37	/	/	16.36	/	/	<=33	Pass
		Inner_1RB_Right	17.18	/	/	16.17	/	/	<=33	Pass
		Edge_1RB_Left	19.56	/	/	18.55	/	/	<=33	Pass
	2565	Edge_1RB_Right	18.82	/	/	17.81	/	/	<=33	Pass
		Outer_Full	19.49	/	/	18.48	/	/	<=33	Pass
		Inner_Full	20.27	/	/	19.26	/	/	<=33	Pass
		Inner_1RB_Left	20.44	/	/	19.43	/	/	<=33	Pass
		Inner_1RB_Right	20.38	/	/	19.37	/	/	<=33	Pass
		Edge_1RB_Left	16.18	/	/	15.17	/	/	<=33	Pass
CP-OFDM 64 QAM	2505	Edge_1RB_Right	17.34	/	/	16.33	/	/	<=33	Pass
		Outer_Full	16.21	/	/	15.20	/	/	<=33	Pass
		Inner_Full	17.35	/	/	16.34	/	/	<=33	Pass
		Inner_1RB_Left	17.32	/	/	16.31	/	/	<=33	Pass
		Inner_1RB_Right	18.10	/	/	17.09	/	/	<=33	Pass
		Edge_1RB_Left	14.53	/	/	13.52	/	/	<=33	Pass
	2535	Edge_1RB_Right	16.42	/	/	15.41	/	/	<=33	Pass
		Outer_Full	16.06	/	/	15.05	/	/	<=33	Pass
		Inner_Full	17.09	/	/	16.08	/	/	<=33	Pass
		Inner_1RB_Left	17.38	/	/	16.37	/	/	<=33	Pass
		Inner_1RB_Right	17.14	/	/	16.13	/	/	<=33	Pass
		Edge_1RB_Left	19.67	/	/	18.66	/	/	<=33	Pass
	2565	Edge_1RB_Right	19.47	/	/	18.46	/	/	<=33	Pass
		Outer_Full	19.35	/	/	18.34	/	/	<=33	Pass
		Inner_Full	20.22	/	/	19.21	/	/	<=33	Pass
		Inner_1RB_Left	20.47	/	/	19.46	/	/	<=33	Pass
		Inner_1RB_Right	20.43	/	/	19.42	/	/	<=33	Pass
		Edge_1RB_Left	14.44	/	/	13.43	/	/	<=33	Pass
CP-OFDM 256 QAM	2505	Edge_1RB_Right	14.92	/	/	13.91	/	/	<=33	Pass
		Outer_Full	14.57	/	/	13.56	/	/	<=33	Pass
		Inner_Full	14.78	/	/	13.77	/	/	<=33	Pass
		Inner_1RB_Left	14.28	/	/	13.27	/	/	<=33	Pass
		Inner_1RB_Right	14.98	/	/	13.97	/	/	<=33	Pass
		Edge_1RB_Left	14.65	/	/	13.64	/	/	<=33	Pass
	2535	Edge_1RB_Right	14.31	/	/	13.30	/	/	<=33	Pass
		Outer_Full	14.32	/	/	13.31	/	/	<=33	Pass
		Inner_Full	14.25	/	/	13.24	/	/	<=33	Pass
		Inner_1RB_Left	14.37	/	/	13.36	/	/	<=33	Pass
		Inner_1RB_Right	14.30	/	/	13.29	/	/	<=33	Pass
		Edge_1RB_Left	17.52	/	/	16.51	/	/	<=33	Pass
	2565	Edge_1RB_Right	16.99	/	/	15.98	/	/	<=33	Pass

		Outer_Full	17.61	/	/	16.60	/	/	<=33	Pass
		Inner_Full	18.08	/	/	17.07	/	/	<=33	Pass
		Inner_1RB_Left	17.37	/	/	16.36	/	/	<=33	Pass
		Inner_1RB_Right	17.60	/	/	16.59	/	/	<=33	Pass

Note1: Antenna Gain: Ant1: -1.01dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.6 30k_SISO_15MHz_NTNV_EIRP

5G NR n7 SCS=30kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2507.5	Edge_1RB_Left	18.30	/	/	17.29	/	/	<=33	Pass
		Edge_1RB_Right	19.34	/	/	18.33	/	/	<=33	Pass
		Outer_Full	18.71	/	/	17.70	/	/	<=33	Pass
		Inner_Full	18.66	/	/	17.65	/	/	<=33	Pass
		Inner_1RB_Left	18.56	/	/	17.55	/	/	<=33	Pass
		Inner_1RB_Right	19.44	/	/	18.43	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.48	/	/	16.47	/	/	<=33	Pass
		Edge_1RB_Right	17.47	/	/	16.46	/	/	<=33	Pass
		Outer_Full	17.07	/	/	16.06	/	/	<=33	Pass
		Inner_Full	16.92	/	/	15.91	/	/	<=33	Pass
		Inner_1RB_Left	17.62	/	/	16.61	/	/	<=33	Pass
		Inner_1RB_Right	17.59	/	/	16.58	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	20.12	/	/	19.11	/	/	<=33	Pass
		Edge_1RB_Right	20.93	/	/	19.92	/	/	<=33	Pass
		Outer_Full	21.07	/	/	20.06	/	/	<=33	Pass
		Inner_Full	20.84	/	/	19.83	/	/	<=33	Pass
		Inner_1RB_Left	20.34	/	/	19.33	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2507.5	Edge_1RB_Left	17.65	/	/	16.64	/	/	<=33	Pass
		Edge_1RB_Right	18.63	/	/	17.62	/	/	<=33	Pass
		Outer_Full	17.85	/	/	16.84	/	/	<=33	Pass
		Inner_Full	17.98	/	/	16.97	/	/	<=33	Pass
		Inner_1RB_Left	18.01	/	/	17.00	/	/	<=33	Pass
		Inner_1RB_Right	18.81	/	/	17.80	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.79	/	/	15.78	/	/	<=33	Pass
		Edge_1RB_Right	16.87	/	/	15.86	/	/	<=33	Pass
		Outer_Full	16.24	/	/	15.23	/	/	<=33	Pass
		Inner_Full	16.58	/	/	15.57	/	/	<=33	Pass
		Inner_1RB_Left	17.04	/	/	16.03	/	/	<=33	Pass
		Inner_1RB_Right	17.41	/	/	16.40	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	19.33	/	/	18.32	/	/	<=33	Pass
		Edge_1RB_Right	20.04	/	/	19.03	/	/	<=33	Pass
		Outer_Full	19.96	/	/	18.95	/	/	<=33	Pass
		Inner_Full	20.91	/	/	19.90	/	/	<=33	Pass
		Inner_1RB_Left	19.84	/	/	18.83	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2507.5	Inner_1RB_Right	21.04	/	/	20.03	/	/	<=33	Pass
		Edge_1RB_Left	17.21	/	/	16.20	/	/	<=33	Pass
		Edge_1RB_Right	18.02	/	/	17.01	/	/	<=33	Pass
		Outer_Full	17.31	/	/	16.30	/	/	<=33	Pass
		Inner_Full	17.13	/	/	16.12	/	/	<=33	Pass
		Inner_1RB_Left	17.17	/	/	16.16	/	/	<=33	Pass
	2535	Inner_1RB_Right	17.93	/	/	16.92	/	/	<=33	Pass
		Edge_1RB_Left	16.60	/	/	15.59	/	/	<=33	Pass
		Edge_1RB_Right	16.55	/	/	15.54	/	/	<=33	Pass
		Outer_Full	16.03	/	/	15.02	/	/	<=33	Pass

		Inner_Full	15.99	/	/	14.98	/	/	<=33	Pass
		Inner_1RB_Left	16.46	/	/	15.45	/	/	<=33	Pass
		Inner_1RB_Right	16.82	/	/	15.81	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	19.25	/	/	18.24	/	/	<=33	Pass
		Edge_1RB_Right	20.24	/	/	19.23	/	/	<=33	Pass
		Outer_Full	20.07	/	/	19.06	/	/	<=33	Pass
		Inner_Full	20.10	/	/	19.09	/	/	<=33	Pass
		Inner_1RB_Left	19.18	/	/	18.17	/	/	<=33	Pass
		Inner_1RB_Right	21.03	/	/	20.02	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2507.5	Edge_1RB_Left	15.82	/	/	14.81	/	/	<=33	Pass
		Edge_1RB_Right	16.65	/	/	15.64	/	/	<=33	Pass
		Outer_Full	15.94	/	/	14.93	/	/	<=33	Pass
		Inner_Full	15.75	/	/	14.74	/	/	<=33	Pass
		Inner_1RB_Left	15.81	/	/	14.80	/	/	<=33	Pass
		Inner_1RB_Right	16.50	/	/	15.49	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.39	/	/	15.38	/	/	<=33	Pass
		Edge_1RB_Right	16.28	/	/	15.27	/	/	<=33	Pass
		Outer_Full	15.94	/	/	14.93	/	/	<=33	Pass
		Inner_Full	15.55	/	/	14.54	/	/	<=33	Pass
		Inner_1RB_Left	16.15	/	/	15.14	/	/	<=33	Pass
		Inner_1RB_Right	16.04	/	/	15.03	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	17.90	/	/	16.89	/	/	<=33	Pass
		Edge_1RB_Right	19.10	/	/	18.09	/	/	<=33	Pass
		Outer_Full	18.80	/	/	17.79	/	/	<=33	Pass
		Inner_Full	19.05	/	/	18.04	/	/	<=33	Pass
		Inner_1RB_Left	17.84	/	/	16.83	/	/	<=33	Pass
		Inner_1RB_Right	19.24	/	/	18.23	/	/	<=33	Pass
CP-OFDM QPSK	2507.5	Edge_1RB_Left	16.99	/	/	15.98	/	/	<=33	Pass
		Edge_1RB_Right	17.86	/	/	16.85	/	/	<=33	Pass
		Outer_Full	17.33	/	/	16.32	/	/	<=33	Pass
		Inner_Full	17.45	/	/	16.44	/	/	<=33	Pass
		Inner_1RB_Left	17.35	/	/	16.34	/	/	<=33	Pass
		Inner_1RB_Right	18.01	/	/	17.00	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.24	/	/	16.23	/	/	<=33	Pass
		Edge_1RB_Right	17.18	/	/	16.17	/	/	<=33	Pass
		Outer_Full	16.92	/	/	15.91	/	/	<=33	Pass
		Inner_Full	16.68	/	/	15.67	/	/	<=33	Pass
		Inner_1RB_Left	17.38	/	/	16.37	/	/	<=33	Pass
		Inner_1RB_Right	17.26	/	/	16.25	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	19.17	/	/	18.16	/	/	<=33	Pass
		Edge_1RB_Right	20.21	/	/	19.20	/	/	<=33	Pass
		Outer_Full	20.22	/	/	19.21	/	/	<=33	Pass
		Inner_Full	20.08	/	/	19.07	/	/	<=33	Pass
		Inner_1RB_Left	19.42	/	/	18.41	/	/	<=33	Pass
		Inner_1RB_Right	20.54	/	/	19.53	/	/	<=33	Pass
CP-OFDM 16 QAM	2507.5	Edge_1RB_Left	16.71	/	/	15.70	/	/	<=33	Pass
		Edge_1RB_Right	17.54	/	/	16.53	/	/	<=33	Pass
		Outer_Full	16.79	/	/	15.78	/	/	<=33	Pass
		Inner_Full	16.99	/	/	15.98	/	/	<=33	Pass
		Inner_1RB_Left	17.07	/	/	16.06	/	/	<=33	Pass
		Inner_1RB_Right	17.71	/	/	16.70	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.74	/	/	15.73	/	/	<=33	Pass
		Edge_1RB_Right	16.73	/	/	15.72	/	/	<=33	Pass
		Outer_Full	16.15	/	/	15.14	/	/	<=33	Pass
		Inner_Full	16.89	/	/	15.88	/	/	<=33	Pass
		Inner_1RB_Left	17.77	/	/	16.76	/	/	<=33	Pass
		Inner_1RB_Right	17.59	/	/	16.58	/	/	<=33	Pass
	2562.5	Edge_1RB_Left	18.74	/	/	17.73	/	/	<=33	Pass
		Edge_1RB_Right	19.60	/	/	18.59	/	/	<=33	Pass

		Outer_Full	19.39	/	/	18.38	/	/	<=33	Pass	
		Inner_Full	20.08	/	/	19.07	/	/	<=33	Pass	
		Inner_1RB_Left	19.29	/	/	18.28	/	/	<=33	Pass	
		Inner_1RB_Right	20.90	/	/	19.89	/	/	<=33	Pass	
CP-OFDM 64 QAM	2507.5	Edge_1RB_Left	16.31	/	/	15.30	/	/	<=33	Pass	
		Edge_1RB_Right	17.11	/	/	16.10	/	/	<=33	Pass	
		Outer_Full	16.26	/	/	15.25	/	/	<=33	Pass	
		Inner_Full	16.97	/	/	15.96	/	/	<=33	Pass	
		Inner_1RB_Left	17.05	/	/	16.04	/	/	<=33	Pass	
		Inner_1RB_Right	17.75	/	/	16.74	/	/	<=33	Pass	
		2535	Edge_1RB_Left	17.11	/	/	16.10	/	/	<=33	Pass
			Edge_1RB_Right	17.02	/	/	16.01	/	/	<=33	Pass
	Outer_Full		16.56	/	/	15.55	/	/	<=33	Pass	
	Inner_Full		17.13	/	/	16.12	/	/	<=33	Pass	
	Inner_1RB_Left		17.64	/	/	16.63	/	/	<=33	Pass	
	Inner_1RB_Right		17.43	/	/	16.42	/	/	<=33	Pass	
	2562.5	Edge_1RB_Left	18.51	/	/	17.50	/	/	<=33	Pass	
		Edge_1RB_Right	20.14	/	/	19.13	/	/	<=33	Pass	
		Outer_Full	19.21	/	/	18.20	/	/	<=33	Pass	
		Inner_Full	19.97	/	/	18.96	/	/	<=33	Pass	
		Inner_1RB_Left	19.56	/	/	18.55	/	/	<=33	Pass	
		Inner_1RB_Right	20.77	/	/	19.76	/	/	<=33	Pass	
	CP-OFDM 256 QAM	2507.5	Edge_1RB_Left	14.31	/	/	13.30	/	/	<=33	Pass
			Edge_1RB_Right	15.11	/	/	14.10	/	/	<=33	Pass
Outer_Full			14.34	/	/	13.33	/	/	<=33	Pass	
Inner_Full			14.21	/	/	13.20	/	/	<=33	Pass	
Inner_1RB_Left			14.36	/	/	13.35	/	/	<=33	Pass	
Inner_1RB_Right			14.95	/	/	13.94	/	/	<=33	Pass	
2535		Edge_1RB_Left	14.98	/	/	13.97	/	/	<=33	Pass	
		Edge_1RB_Right	14.96	/	/	13.95	/	/	<=33	Pass	
		Outer_Full	14.43	/	/	13.42	/	/	<=33	Pass	
		Inner_Full	14.43	/	/	13.42	/	/	<=33	Pass	
		Inner_1RB_Left	14.79	/	/	13.78	/	/	<=33	Pass	
		Inner_1RB_Right	14.71	/	/	13.70	/	/	<=33	Pass	
2562.5		Edge_1RB_Left	16.52	/	/	15.51	/	/	<=33	Pass	
		Edge_1RB_Right	17.86	/	/	16.85	/	/	<=33	Pass	
		Outer_Full	17.36	/	/	16.35	/	/	<=33	Pass	
		Inner_Full	17.14	/	/	16.13	/	/	<=33	Pass	
		Inner_1RB_Left	16.50	/	/	15.49	/	/	<=33	Pass	
		Inner_1RB_Right	18.02	/	/	17.01	/	/	<=33	Pass	
Note1: Antenna Gain: Ant1: -1.01dBi; Note2: EIRP=Conducted Power+Antenna Gain											

1.1.7 30k_SISO_20MHz_NTNV_EIRP

5G NR n7 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2510	Edge_1RB_Left	18.57	/	/	17.56	/	/	<=33	Pass
		Edge_1RB_Right	19.21	/	/	18.20	/	/	<=33	Pass
		Outer_Full	18.88	/	/	17.87	/	/	<=33	Pass
		Inner_Full	18.77	/	/	17.76	/	/	<=33	Pass
		Inner_1RB_Left	18.90	/	/	17.89	/	/	<=33	Pass
		Inner_1RB_Right	19.35	/	/	18.34	/	/	<=33	Pass
	2535	Edge_1RB_Left	18.68	/	/	17.67	/	/	<=33	Pass
		Edge_1RB_Right	18.48	/	/	17.47	/	/	<=33	Pass
		Outer_Full	18.11	/	/	17.10	/	/	<=33	Pass

		Inner_Full	17.63	/	/	16.62	/	/	<=33	Pass
		Inner_1RB_Left	18.78	/	/	17.77	/	/	<=33	Pass
		Inner_1RB_Right	18.56	/	/	17.55	/	/	<=33	Pass
	2560	Edge_1RB_Left	19.56	/	/	18.55	/	/	<=33	Pass
		Edge_1RB_Right	20.72	/	/	19.71	/	/	<=33	Pass
		Outer_Full	20.99	/	/	19.98	/	/	<=33	Pass
		Inner_Full	20.73	/	/	19.72	/	/	<=33	Pass
		Inner_1RB_Left	19.78	/	/	18.77	/	/	<=33	Pass
		Inner_1RB_Right	21.14	/	/	20.13	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2510	Edge_1RB_Left	17.90	/	/	16.89	/	/	<=33	Pass
		Edge_1RB_Right	18.47	/	/	17.46	/	/	<=33	Pass
		Outer_Full	17.90	/	/	16.89	/	/	<=33	Pass
		Inner_Full	18.01	/	/	17.00	/	/	<=33	Pass
		Inner_1RB_Left	18.24	/	/	17.23	/	/	<=33	Pass
		Inner_1RB_Right	18.70	/	/	17.69	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.75	/	/	16.74	/	/	<=33	Pass
		Edge_1RB_Right	17.70	/	/	16.69	/	/	<=33	Pass
		Outer_Full	17.03	/	/	16.02	/	/	<=33	Pass
		Inner_Full	17.38	/	/	16.37	/	/	<=33	Pass
		Inner_1RB_Left	18.83	/	/	17.82	/	/	<=33	Pass
		Inner_1RB_Right	18.41	/	/	17.40	/	/	<=33	Pass
	2560	Edge_1RB_Left	18.76	/	/	17.75	/	/	<=33	Pass
		Edge_1RB_Right	19.82	/	/	18.81	/	/	<=33	Pass
		Outer_Full	19.92	/	/	18.91	/	/	<=33	Pass
		Inner_Full	20.72	/	/	19.71	/	/	<=33	Pass
		Inner_1RB_Left	19.40	/	/	18.39	/	/	<=33	Pass
		Inner_1RB_Right	20.98	/	/	19.97	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2510	Edge_1RB_Left	17.45	/	/	16.44	/	/	<=33	Pass
		Edge_1RB_Right	17.95	/	/	16.94	/	/	<=33	Pass
		Outer_Full	17.40	/	/	16.39	/	/	<=33	Pass
		Inner_Full	17.22	/	/	16.21	/	/	<=33	Pass
		Inner_1RB_Left	17.48	/	/	16.47	/	/	<=33	Pass
		Inner_1RB_Right	17.76	/	/	16.75	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.68	/	/	16.67	/	/	<=33	Pass
		Edge_1RB_Right	17.96	/	/	16.95	/	/	<=33	Pass
		Outer_Full	16.94	/	/	15.93	/	/	<=33	Pass
		Inner_Full	16.70	/	/	15.69	/	/	<=33	Pass
		Inner_1RB_Left	17.96	/	/	16.95	/	/	<=33	Pass
		Inner_1RB_Right	17.69	/	/	16.68	/	/	<=33	Pass
	2560	Edge_1RB_Left	18.74	/	/	17.73	/	/	<=33	Pass
		Edge_1RB_Right	20.01	/	/	19.00	/	/	<=33	Pass
		Outer_Full	20.01	/	/	19.00	/	/	<=33	Pass
		Inner_Full	19.91	/	/	18.90	/	/	<=33	Pass
		Inner_1RB_Left	18.67	/	/	17.66	/	/	<=33	Pass
		Inner_1RB_Right	20.88	/	/	19.87	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2510	Edge_1RB_Left	16.41	/	/	15.40	/	/	<=33	Pass
		Edge_1RB_Right	17.31	/	/	16.30	/	/	<=33	Pass
		Outer_Full	16.52	/	/	15.51	/	/	<=33	Pass
		Inner_Full	16.71	/	/	15.70	/	/	<=33	Pass
		Inner_1RB_Left	16.68	/	/	15.67	/	/	<=33	Pass
		Inner_1RB_Right	17.79	/	/	16.78	/	/	<=33	Pass
	2535	Edge_1RB_Left	16.50	/	/	15.49	/	/	<=33	Pass
		Edge_1RB_Right	16.41	/	/	15.40	/	/	<=33	Pass
		Outer_Full	15.83	/	/	14.82	/	/	<=33	Pass
		Inner_Full	15.56	/	/	14.55	/	/	<=33	Pass
		Inner_1RB_Left	16.36	/	/	15.35	/	/	<=33	Pass
		Inner_1RB_Right	16.20	/	/	15.19	/	/	<=33	Pass
	2560	Edge_1RB_Left	17.40	/	/	16.39	/	/	<=33	Pass
		Edge_1RB_Right	18.82	/	/	17.81	/	/	<=33	Pass

		Outer_Full	18.75	/	/	17.74	/	/	<=33	Pass
		Inner_Full	18.81	/	/	17.80	/	/	<=33	Pass
		Inner_1RB_Left	17.37	/	/	16.36	/	/	<=33	Pass
		Inner_1RB_Right	19.11	/	/	18.10	/	/	<=33	Pass
CP-OFDM QPSK	2510	Edge_1RB_Left	17.73	/	/	16.72	/	/	<=33	Pass
		Edge_1RB_Right	18.51	/	/	17.50	/	/	<=33	Pass
		Outer_Full	18.08	/	/	17.07	/	/	<=33	Pass
		Inner_Full	18.01	/	/	17.00	/	/	<=33	Pass
		Inner_1RB_Left	18.10	/	/	17.09	/	/	<=33	Pass
		Inner_1RB_Right	18.70	/	/	17.69	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.54	/	/	16.53	/	/	<=33	Pass
		Edge_1RB_Right	17.40	/	/	16.39	/	/	<=33	Pass
		Outer_Full	17.04	/	/	16.03	/	/	<=33	Pass
		Inner_Full	16.68	/	/	15.67	/	/	<=33	Pass
		Inner_1RB_Left	17.72	/	/	16.71	/	/	<=33	Pass
		Inner_1RB_Right	17.57	/	/	16.56	/	/	<=33	Pass
	2560	Edge_1RB_Left	18.66	/	/	17.65	/	/	<=33	Pass
		Edge_1RB_Right	19.95	/	/	18.94	/	/	<=33	Pass
		Outer_Full	20.13	/	/	19.12	/	/	<=33	Pass
		Inner_Full	19.93	/	/	18.92	/	/	<=33	Pass
		Inner_1RB_Left	18.93	/	/	17.92	/	/	<=33	Pass
		Inner_1RB_Right	20.47	/	/	19.46	/	/	<=33	Pass
CP-OFDM 16 QAM	2510	Edge_1RB_Left	17.34	/	/	16.33	/	/	<=33	Pass
		Edge_1RB_Right	18.02	/	/	17.01	/	/	<=33	Pass
		Outer_Full	17.40	/	/	16.39	/	/	<=33	Pass
		Inner_Full	17.44	/	/	16.43	/	/	<=33	Pass
		Inner_1RB_Left	17.74	/	/	16.73	/	/	<=33	Pass
		Inner_1RB_Right	18.25	/	/	17.24	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.04	/	/	16.03	/	/	<=33	Pass
		Edge_1RB_Right	16.99	/	/	15.98	/	/	<=33	Pass
		Outer_Full	16.30	/	/	15.29	/	/	<=33	Pass
		Inner_Full	16.77	/	/	15.76	/	/	<=33	Pass
		Inner_1RB_Left	18.25	/	/	17.24	/	/	<=33	Pass
		Inner_1RB_Right	17.84	/	/	16.83	/	/	<=33	Pass
	2560	Edge_1RB_Left	18.18	/	/	17.17	/	/	<=33	Pass
		Edge_1RB_Right	19.29	/	/	18.28	/	/	<=33	Pass
		Outer_Full	19.35	/	/	18.34	/	/	<=33	Pass
		Inner_Full	19.84	/	/	18.83	/	/	<=33	Pass
		Inner_1RB_Left	19.12	/	/	18.11	/	/	<=33	Pass
		Inner_1RB_Right	20.73	/	/	19.72	/	/	<=33	Pass
CP-OFDM 64 QAM	2510	Edge_1RB_Left	16.92	/	/	15.91	/	/	<=33	Pass
		Edge_1RB_Right	18.52	/	/	17.51	/	/	<=33	Pass
		Outer_Full	16.89	/	/	15.88	/	/	<=33	Pass
		Inner_Full	17.81	/	/	16.80	/	/	<=33	Pass
		Inner_1RB_Left	18.18	/	/	17.17	/	/	<=33	Pass
		Inner_1RB_Right	18.85	/	/	17.84	/	/	<=33	Pass
	2535	Edge_1RB_Left	17.16	/	/	16.15	/	/	<=33	Pass
		Edge_1RB_Right	17.41	/	/	16.40	/	/	<=33	Pass
		Outer_Full	16.31	/	/	15.30	/	/	<=33	Pass
		Inner_Full	16.73	/	/	15.72	/	/	<=33	Pass
		Inner_1RB_Left	18.16	/	/	17.15	/	/	<=33	Pass
		Inner_1RB_Right	17.84	/	/	16.83	/	/	<=33	Pass
	2560	Edge_1RB_Left	17.92	/	/	16.91	/	/	<=33	Pass
		Edge_1RB_Right	19.84	/	/	18.83	/	/	<=33	Pass
		Outer_Full	19.12	/	/	18.11	/	/	<=33	Pass
		Inner_Full	19.81	/	/	18.80	/	/	<=33	Pass
		Inner_1RB_Left	19.01	/	/	18.00	/	/	<=33	Pass
		Inner_1RB_Right	20.74	/	/	19.73	/	/	<=33	Pass
CP-OFDM 256 QAM	2510	Edge_1RB_Left	15.32	/	/	14.31	/	/	<=33	Pass

		Edge_1RB_Right	16.06	/	/	15.05	/	/	<=33	Pass
		Outer_Full	15.32	/	/	14.31	/	/	<=33	Pass
		Inner_Full	15.39	/	/	14.38	/	/	<=33	Pass
		Inner_1RB_Left	15.34	/	/	14.33	/	/	<=33	Pass
		Inner_1RB_Right	15.92	/	/	14.91	/	/	<=33	Pass
	2535	Edge_1RB_Left	15.09	/	/	14.08	/	/	<=33	Pass
		Edge_1RB_Right	15.04	/	/	14.03	/	/	<=33	Pass
		Outer_Full	14.33	/	/	13.32	/	/	<=33	Pass
		Inner_Full	14.35	/	/	13.34	/	/	<=33	Pass
		Inner_1RB_Left	14.98	/	/	13.97	/	/	<=33	Pass
		Inner_1RB_Right	14.86	/	/	13.85	/	/	<=33	Pass
	2560	Edge_1RB_Left	16.12	/	/	15.11	/	/	<=33	Pass
		Edge_1RB_Right	17.56	/	/	16.55	/	/	<=33	Pass
		Outer_Full	17.36	/	/	16.35	/	/	<=33	Pass
		Inner_Full	17.42	/	/	16.41	/	/	<=33	Pass
		Inner_1RB_Left	16.08	/	/	15.07	/	/	<=33	Pass
		Inner_1RB_Right	17.98	/	/	16.97	/	/	<=33	Pass
Note1: Antenna Gain: Ant1: -1.01dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

5G NR n7 SCS=15kHz SISO 5MHz								
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	-1.00	-0.0004	>=-2.5 & <=2.5	Pass
				HV	1.80	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	0.80	0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-0.90	-0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	20	LV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	20	LV	-7.50	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass

			0	NV	-3.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.20	-0.0005	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	50	NV	-4.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-7.00	-0.0028	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.60	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.30	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.80	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.70	-0.0026	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	40	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-5.00	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.20	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.90	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.20	0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	30	NV	3.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-0.60	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	LV	1.30	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.00	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.60	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.60	-0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	20	NV	-2.60	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.50	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-4.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.70	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.30	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.40	-0.0025	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	10	NV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.90	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-1.50	-0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	1.30	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.30	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.90	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.00	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.60	0.0010	≥ -2.5 & ≤ 2.5	Pass

			40	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass

2.1.2 15k_SISO_10MHz

5G NR n7 SCS=15kHz SISO 10MHz								
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	-1.00	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	1.90	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	20	LV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	20	LV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	20	LV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	20	LV	4.00	0.0016	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	5.40	0.0021	>=-2.5 & <=2.5	Pass

			0	NV	3.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	50	NV	3.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	1.90	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.90	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.70	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.60	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.90	-0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	40	NV	-2.70	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.20	0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	2.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.90	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.30	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.30	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.50	0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.10	0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	30	NV	1.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.80	0.0019	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-0.30	-0.0001	≥ -2.5 & ≤ 2.5	Pass
				HV	1.30	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.50	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.00	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.50	0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.70	0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.20	0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.00	-0.0004	≥ -2.5 & ≤ 2.5	Pass

2.1.3 15k_SISO_15MHz

5G NR n7 SCS=15kHz SISO 15MHz								
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	-2.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	0.90	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.50	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	0.50	0.0002	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.50	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	0.90	0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-0.90	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16	2535	Outer_Full	20	LV	-3.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass

QAM				HV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.50	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.70	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.10	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.90	-0.0031	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	50	NV	-8.20	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-6.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.30	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.40	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.50	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.50	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	20	LV	-8.20	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.30	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.50	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.60	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.60	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.50	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	20	LV	-2.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.10	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.00	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	20	LV	-7.60	-0.0030	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.40	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.30	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	20	LV	-2.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.00	-0.0004	≥ -2.5 & ≤ 2.5	Pass

			0	NV	1.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.50	0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-5.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.30	-0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	-10	NV	-5.30	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.70	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass

2.1.4 15k_SISO_20MHz

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	-3.10	-0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.90	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.20	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	20	LV	-7.80	-0.0031	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.70	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.80	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.30	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	20	LV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.60	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-10.00	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.00	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.80	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.40	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.30	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.20	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.30	-0.0037	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256	2535	Outer_Full	20	LV	-6.60	-0.0026	≥ -2.5 & ≤ 2.5	Pass

QAM				HV	-7.10	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.50	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.30	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.90	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.00	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.30	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.70	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.20	-0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	50	NV	-2.90	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.20	-0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.60	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.90	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-0.90	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.90	0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	30	NV	-1.50	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.10	0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.70	0.0003	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.60	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-0.20	-0.0001	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.10	-0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	10	NV	-0.40	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.00	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.60	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-0.60	-0.0002	≥ -2.5 & ≤ 2.5	Pass
				HV	2.50	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	0.20	0.0001	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	-10	NV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.60	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.00	0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	0.40	0.0002	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.80	0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-0.30	-0.0001	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.60	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	0.10	0.0000	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	0.40	0.0002	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.60	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-0.10	0.0000	≥ -2.5 & ≤ 2.5	Pass
			0	NV	0.00	0.0000	≥ -2.5 & ≤ 2.5	Pass
			10	NV	0.10	0.0000	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-0.60	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	0.00	0.0000	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.40	0.0009	≥ -2.5 & ≤ 2.5	Pass

5G NR n7 SCS=30kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	2535	Outer_Full	20	LV	-5.30	-0.0021	>=-2.5 & <=2.5	Pass
				HV	3.20	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	3.70	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	7.00	0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	20	LV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	5.30	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	5.00	0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	7.30	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-11.10	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	9.00	0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	20	LV	-10.10	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-12.00	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	20	LV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
				HV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	7.70	0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	3.20	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	7.00	0.0028	>=-2.5 & <=2.5	Pass
			40	NV	8.00	0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	20	LV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	2.90	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	3.20	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	5.50	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	5.30	0.0021	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	20	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
				LV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass

				HV	5.60	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.30	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.60	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.40	0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.90	0.0019	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	20	LV	-6.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.40	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.20	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.90	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	20	LV	-1.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.00	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.50	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.80	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass

2.1.6 30k_SISO_15MHz

5G NR n7 SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	2535	Outer_Full	20	LV	6.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
				HV	7.70	0.0030	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.70	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.10	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.70	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.70	0.0030	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	20	LV	7.40	0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	6.10	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	12.90	0.0051	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.80	0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	8.90	0.0035	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.90	0.0019	≥ -2.5 & ≤ 2.5	Pass

			30	NV	6.70	0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.70	0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.10	0.0004	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	20	LV	10.30	0.0041	≥ -2.5 & ≤ 2.5	Pass
				HV	4.50	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.20	0.0028	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	8.20	0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	10.50	0.0041	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.20	0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	NV	9.20	0.0036	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.90	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.80	0.0023	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	20	LV	-5.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.30	-0.0029	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	20	LV	2.20	0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.50	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.90	0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.50	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.50	0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	20	LV	-1.60	-0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.30	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.40	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.30	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.20	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.80	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	20	LV	2.60	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	3.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.50	0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.30	0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.10	0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.30	0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.60	0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	20	LV	-5.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass

				HV	-2.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.50	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.60	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.30	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.90	0.0015	≥ -2.5 & ≤ 2.5	Pass

2.1.7 30k_SISO_20MHz

5G NR n7 SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	2535	Outer_Full	20	LV	0.50	0.0002	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.10	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.10	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.10	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	8.00	0.0032	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full	20	LV	5.50	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	1.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.60	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.30	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full	20	LV	-5.70	-0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.70	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.30	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full	20	LV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.90	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.30	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.40	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.70	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.60	0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.70	0.0011	≥ -2.5 & ≤ 2.5	Pass

			30	NV	6.00	0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.40	0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.90	0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2535	Outer_Full	20	LV	-3.00	-0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.00	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.20	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.70	0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.60	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.70	0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2535	Outer_Full	20	LV	-7.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.90	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.80	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.20	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.00	-0.0028	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2535	Outer_Full	20	LV	5.10	0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	3.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.30	0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.00	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.60	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.20	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2535	Outer_Full	20	LV	-4.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.00	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.10	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.20	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.50	0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.00	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 15k_SISO_20MHz_NTNV

5G NR n7 SCS=15kHz SISO 20MHz NTN				
Modulation	Frequency	RB	Modulation Characteristics	Verdict

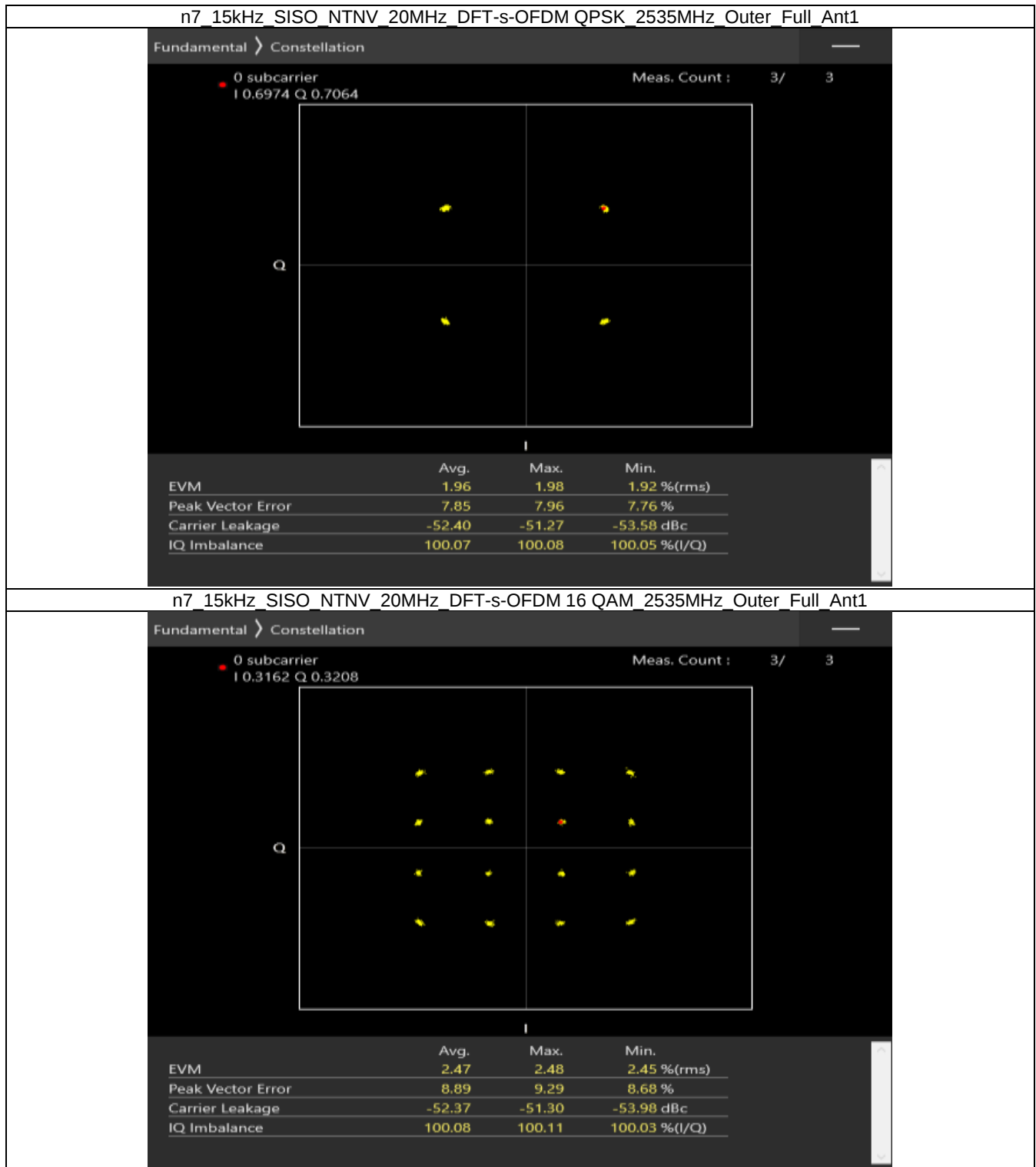
	(MHz)	Allocation	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2535	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM QPSK	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 16 QAM	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 64 QAM	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 256 QAM	2535	Outer_Full			Refer To Test Graph		Pass

3.1.2 30k_SISO_20MHz_NTNV

5G NR n7 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2535	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 16 QAM	2535	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 64 QAM	2535	Outer_Full			Refer To Test Graph		Pass
DFT-s-OFDM 256 QAM	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM QPSK	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 16 QAM	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 64 QAM	2535	Outer_Full			Refer To Test Graph		Pass
CP-OFDM 256 QAM	2535	Outer_Full			Refer To Test Graph		Pass

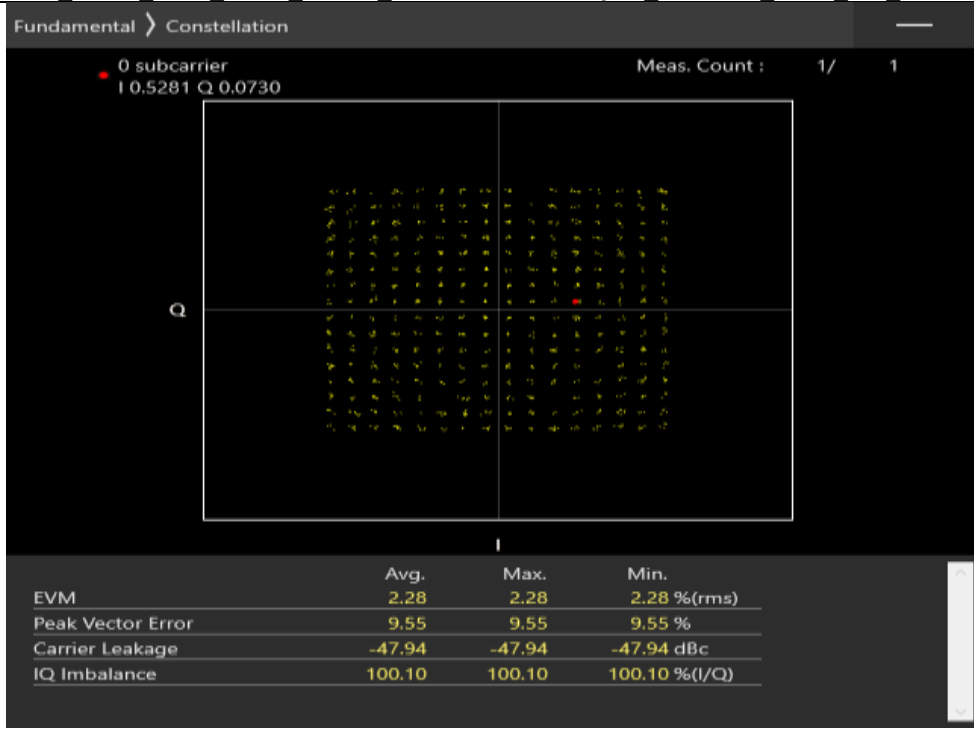
3.2 Test Graph

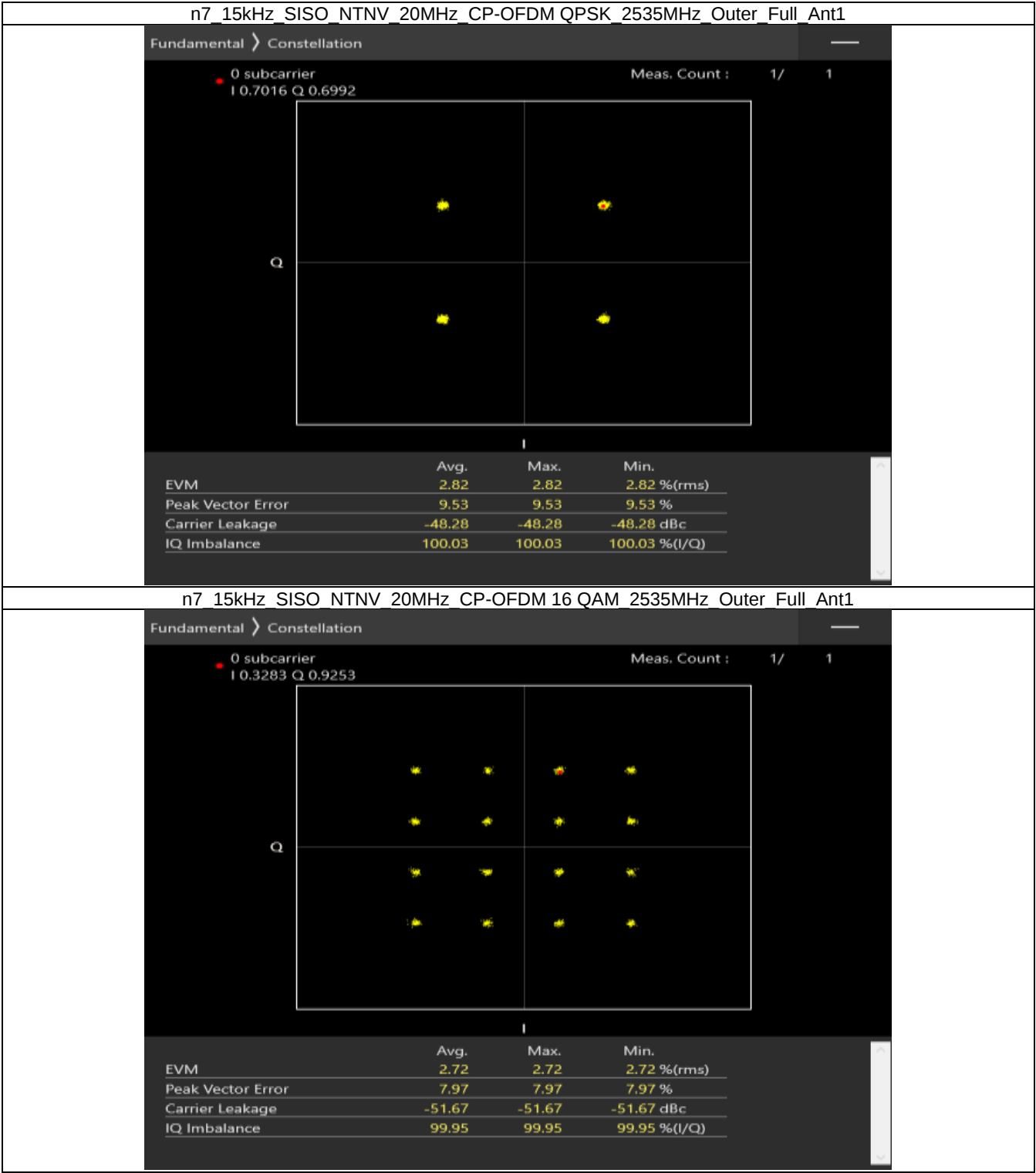
3.2.1 15k_SISO_20MHz_NTNV

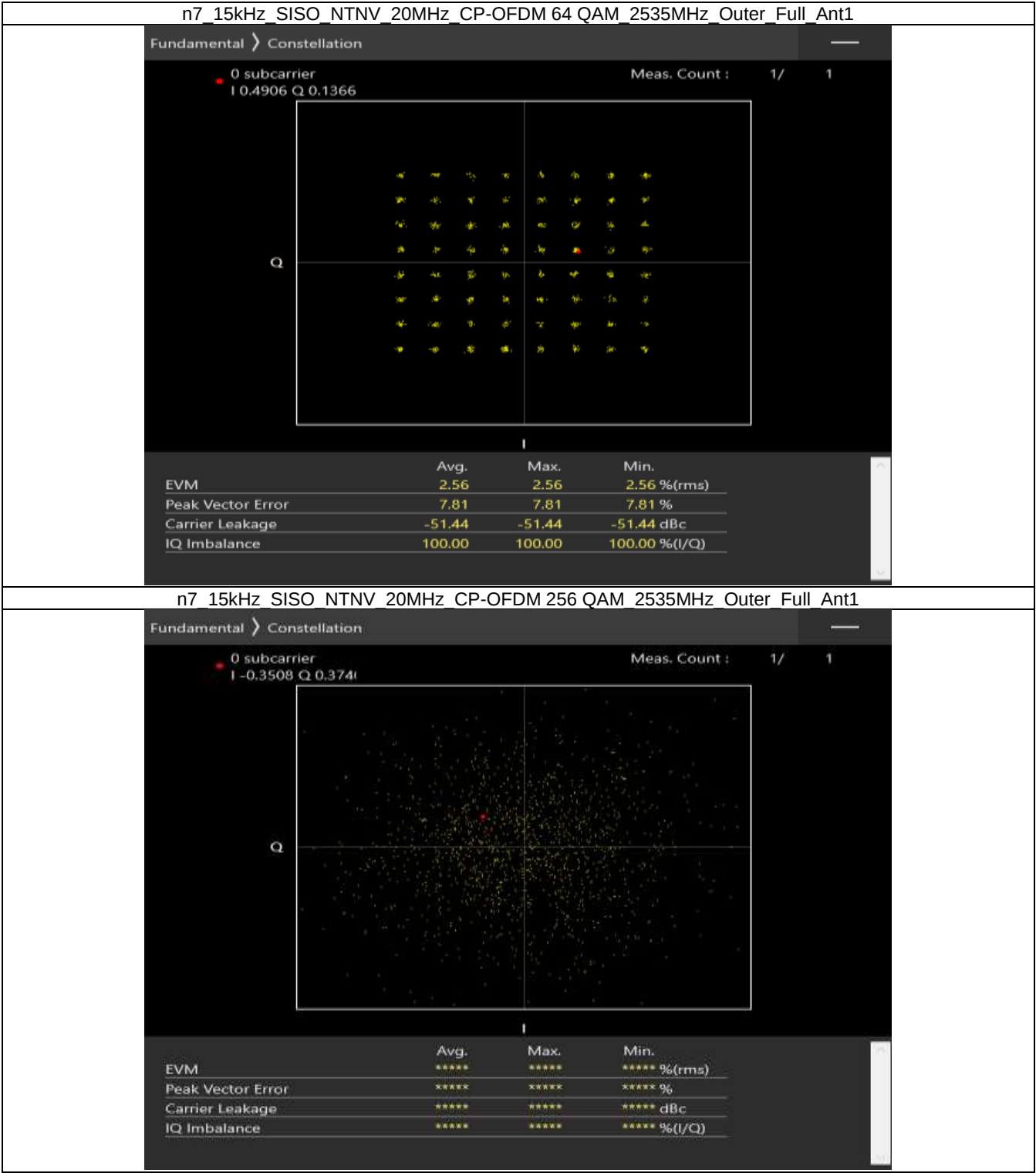


n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full_Ant1

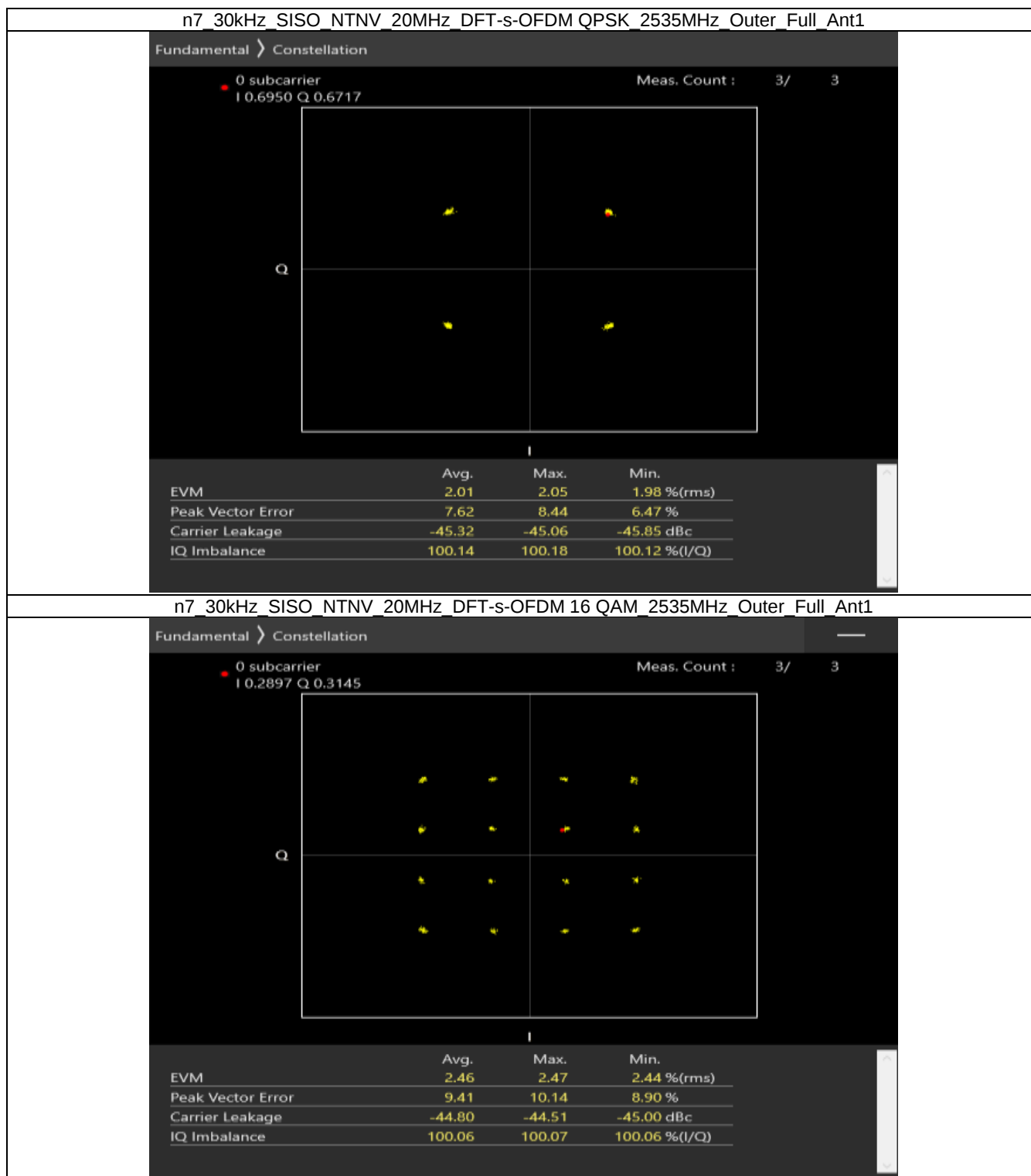
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1







3.2.2 30k_SISO_20MHz_NTNV

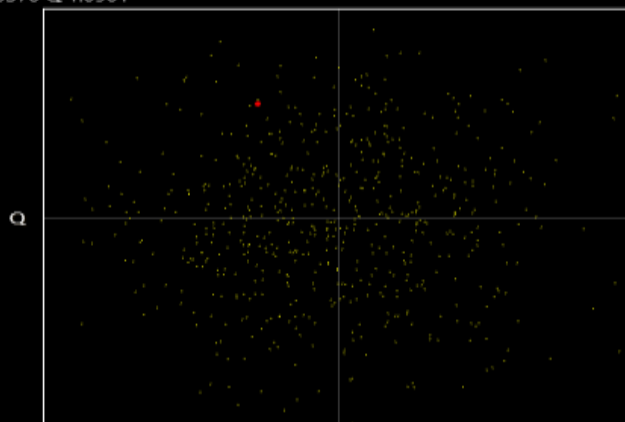


n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full_Ant1

Fundamental > Constellation

0 subcarrier
I -0.5370 Q 1.0901

Meas. Count : 1/ 3



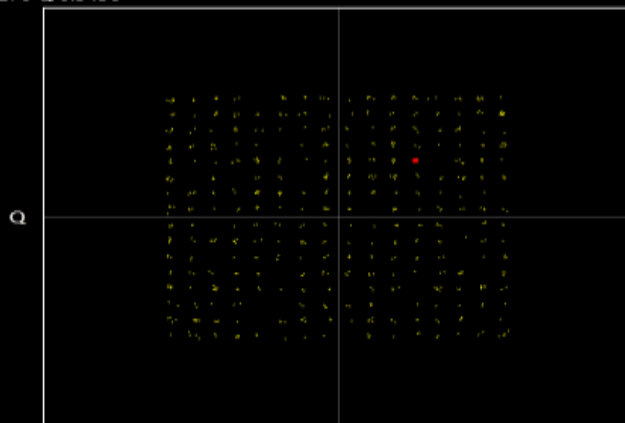
	Avg.	Max.	Min.
EVM	*****	*****	***** %(rms)
Peak Vector Error	*****	*****	***** %
Carrier Leakage	*****	*****	***** dBc
IQ Imbalance	*****	*****	***** %(I/Q)

n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1

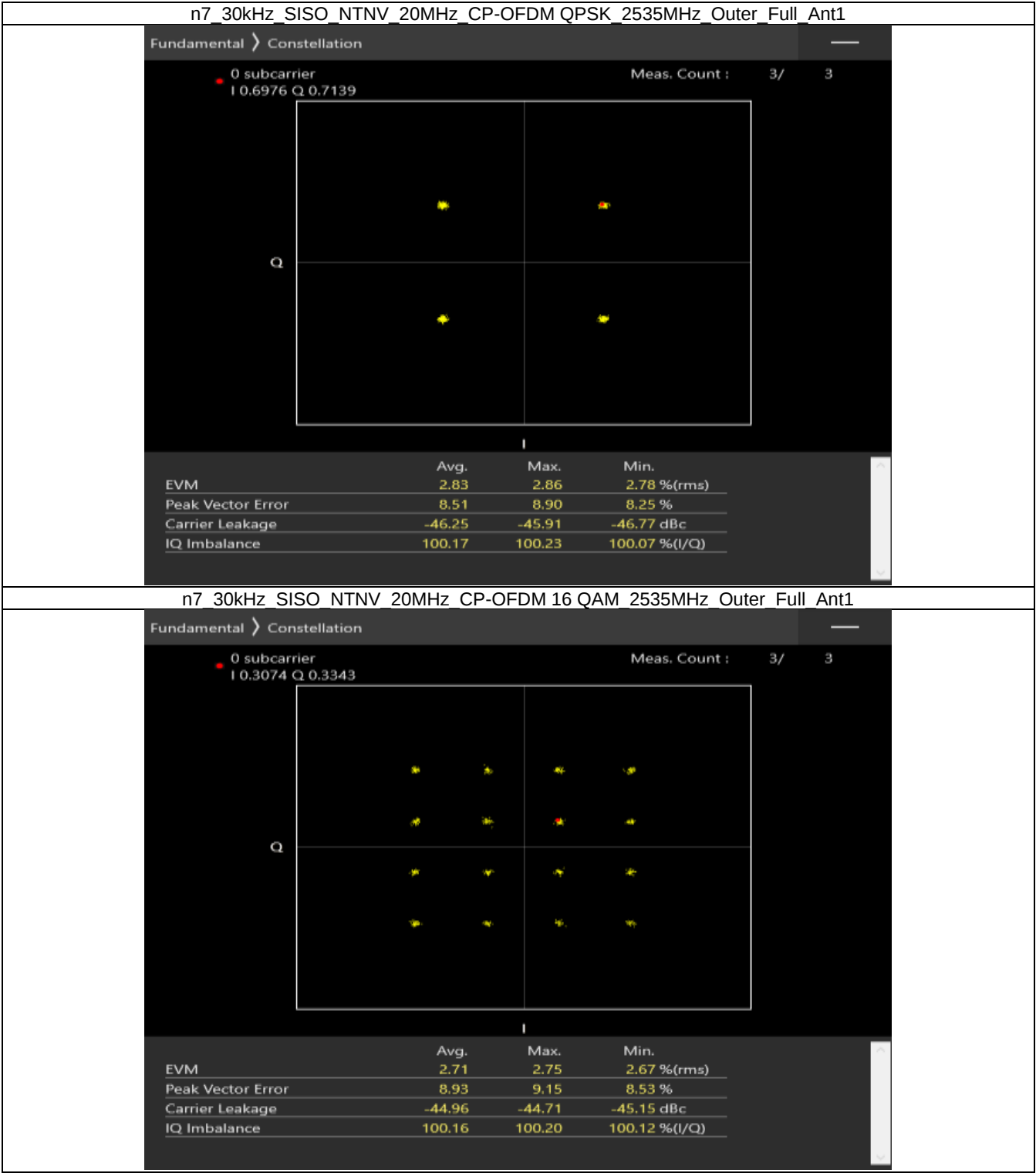
Fundamental > Constellation

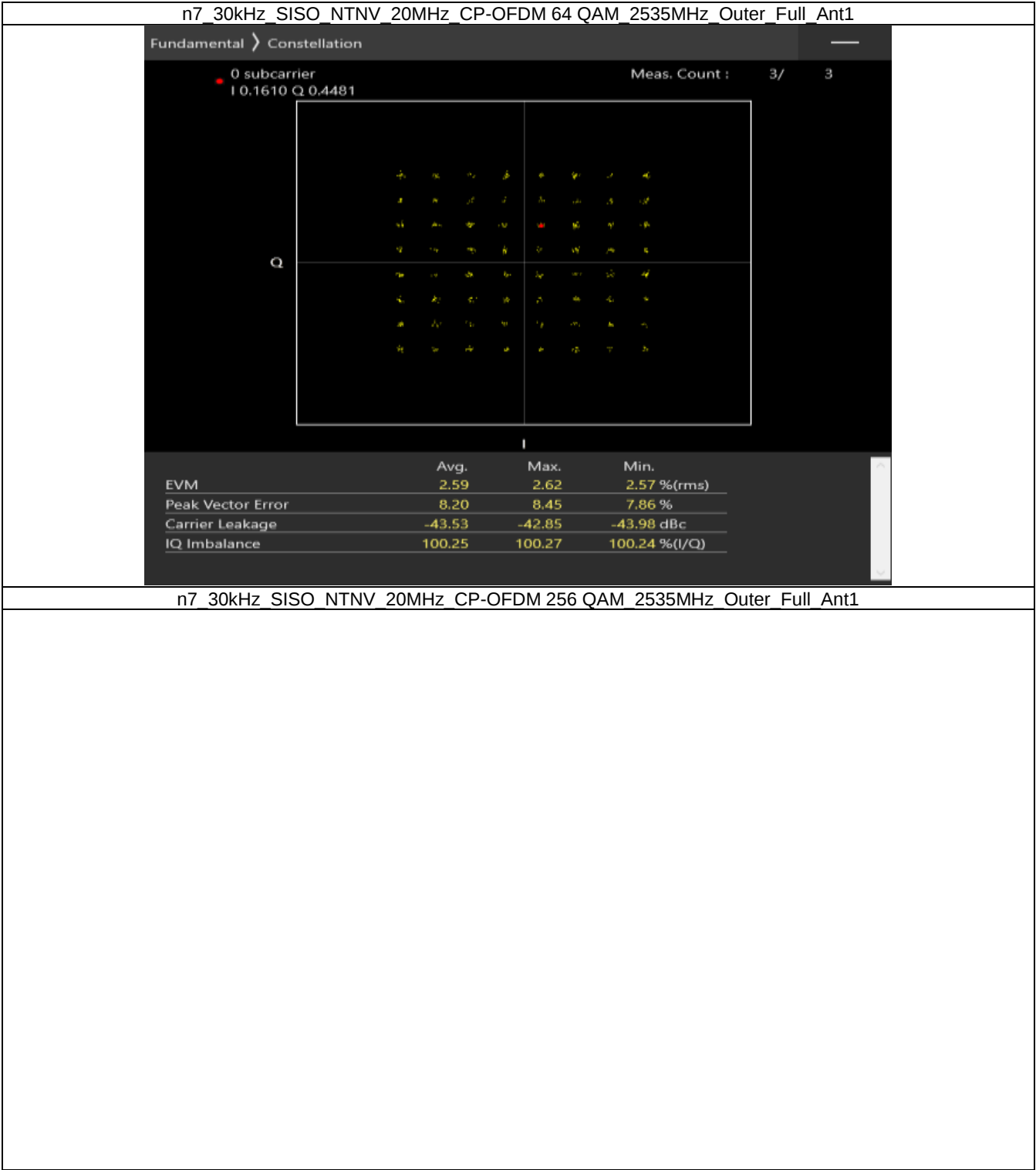
0 subcarrier
I 0.5276 Q 0.5456

Meas. Count : 3/ 3



	Avg.	Max.	Min.
EVM	2.39	2.44	2.36 %(rms)
Peak Vector Error	9.45	10.31	8.38 %
Carrier Leakage	-46.09	-44.96	-47.02 dBc
IQ Imbalance	100.09	100.13	100.07 %(I/Q)





4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 15k_SISO_5MHz_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 QPSK	2502.5	Outer_Full	4.61	5.06	/	Pass
	2535	Outer_Full	4.59	5.07	/	Pass
	2567.5	Outer_Full	4.58	5.09	/	Pass
DFT-s-OFDM 16 QAM	2502.5	Outer_Full	4.57	5.08	/	Pass
	2535	Outer_Full	4.57	5.06	/	Pass
	2567.5	Outer_Full	4.55	5.06	/	Pass
DFT-s-OFDM 64 QAM	2502.5	Outer_Full	4.61	5.08	/	Pass
	2535	Outer_Full	4.59	5.06	/	Pass
	2567.5	Outer_Full	4.59	5.05	/	Pass
DFT-s-OFDM 256 QAM	2502.5	Outer_Full	4.56	5.06	/	Pass
	2535	Outer_Full	4.53	4.98	/	Pass
	2567.5	Outer_Full	4.55	5.06	/	Pass
CP-OFDM QPSK	2502.5	Outer_Full	4.54	5.05	/	Pass
	2535	Outer_Full	4.56	5.07	/	Pass
	2567.5	Outer_Full	4.52	5.10	/	Pass
CP-OFDM 16 QAM	2502.5	Outer_Full	4.55	5.02	/	Pass
	2535	Outer_Full	4.54	4.99	/	Pass
	2567.5	Outer_Full	4.52	4.97	/	Pass
CP-OFDM 64 QAM	2502.5	Outer_Full	4.57	5.07	/	Pass
	2535	Outer_Full	4.57	5.07	/	Pass
	2567.5	Outer_Full	4.50	4.85	/	Pass
CP-OFDM 256 QAM	2502.5	Outer_Full	4.55	5.06	/	Pass
	2535	Outer_Full	4.55	5.04	/	Pass
	2567.5	Outer_Full	4.53	5.03	/	Pass

4.1.2 15k_SISO_10MHz_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 QPSK	2505	Outer_Full	9.07	9.95	/	Pass
	2535	Outer_Full	9.08	9.86	/	Pass
	2565	Outer_Full	9.03	9.89	/	Pass
DFT-s-OFDM 16 QAM	2505	Outer_Full	9.05	9.96	/	Pass
	2535	Outer_Full	9.07	9.93	/	Pass
	2565	Outer_Full	9.02	9.92	/	Pass
DFT-s-OFDM 64 QAM	2505	Outer_Full	9.09	9.94	/	Pass
	2535	Outer_Full	9.10	9.96	/	Pass
	2565	Outer_Full	5.12	5.25	/	Pass
DFT-s-OFDM 256 QAM	2505	Outer_Full	9.04	9.90	/	Pass
	2535	Outer_Full	9.05	9.85	/	Pass
	2565	Outer_Full	9.04	9.85	/	Pass
CP-OFDM QPSK	2505	Outer_Full	9.38	10.16	/	Pass
	2535	Outer_Full	9.40	10.21	/	Pass

	2565	Outer_Full	9.36	10.10	/	Pass
CP-OFDM 16 QAM	2505	Outer_Full	9.40	10.14	/	Pass
	2535	Outer_Full	9.40	10.21	/	Pass
	2565	Outer_Full	9.33	10.02	/	Pass
CP-OFDM 64 QAM	2505	Outer_Full	9.42	10.18	/	Pass
	2535	Outer_Full	9.42	10.15	/	Pass
	2565	Outer_Full	9.38	10.16	/	Pass
CP-OFDM 256 QAM	2505	Outer_Full	9.39	10.17	/	Pass
	2535	Outer_Full	9.41	10.19	/	Pass
	2565	Outer_Full	9.38	10.17	/	Pass

4.1.3 15k_SISO_15MHz_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 QPSK	2507.5	Outer_Full	13.60	14.86	/	Pass
	2535	Outer_Full	13.65	14.85	/	Pass
	2562.5	Outer_Full	13.60	14.86	/	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer_Full	13.63	14.92	/	Pass
	2535	Outer_Full	13.70	15.08	/	Pass
	2562.5	Outer_Full	13.60	14.92	/	Pass
DFT-s-OFDM 64 QAM	2507.5	Outer_Full	13.63	14.90	/	Pass
	2535	Outer_Full	13.46	14.27	/	Pass
	2562.5	Outer_Full	13.62	14.92	/	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer_Full	13.65	14.99	/	Pass
	2535	Outer_Full	13.55	14.70	/	Pass
	2562.5	Outer_Full	13.61	14.84	/	Pass
CP-OFDM QPSK	2507.5	Outer_Full	14.26	15.36	/	Pass
	2535	Outer_Full	14.28	15.36	/	Pass
	2562.5	Outer_Full	14.21	15.37	/	Pass
CP-OFDM 16 QAM	2507.5	Outer_Full	14.31	15.32	/	Pass
	2535	Outer_Full	14.30	15.17	/	Pass
	2562.5	Outer_Full	14.28	15.42	/	Pass
CP-OFDM 64 QAM	2507.5	Outer_Full	14.30	15.48	/	Pass
	2535	Outer_Full	14.33	15.44	/	Pass
	2562.5	Outer_Full	14.26	15.36	/	Pass
CP-OFDM 256 QAM	2507.5	Outer_Full	14.32	15.45	/	Pass
	2535	Outer_Full	14.31	15.35	/	Pass
	2562.5	Outer_Full	14.24	15.32	/	Pass

4.1.4 15k_SISO_20MHz_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 QPSK	2510	Outer_Full	18.12	19.60	/	Pass
	2535	Outer_Full	18.19	19.63	/	Pass
	2560	Outer_Full	18.07	19.55	/	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	18.13	19.69	/	Pass
	2535	Outer_Full	18.17	19.66	/	Pass
	2560	Outer_Full	18.11	19.58	/	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	18.16	19.71	/	Pass
	2535	Outer_Full	18.19	19.66	/	Pass
	2560	Outer_Full	18.12	19.49	/	Pass

DFT-s-OFDM 256 QAM	2510	Outer_Full	18.10	19.64	/	Pass
	2535	Outer_Full	18.12	19.56	/	Pass
	2560	Outer_Full	18.09	19.60	/	Pass
CP-OFDM QPSK	2510	Outer_Full	19.14	20.54	/	Pass
	2535	Outer_Full	19.18	20.52	/	Pass
	2560	Outer_Full	19.06	20.37	/	Pass
CP-OFDM 16 QAM	2510	Outer_Full	19.13	20.57	/	Pass
	2535	Outer_Full	19.18	20.55	/	Pass
	2560	Outer_Full	19.07	20.43	/	Pass
CP-OFDM 64 QAM	2510	Outer_Full	19.19	20.50	/	Pass
	2535	Outer_Full	19.27	20.15	/	Pass
	2560	Outer_Full	19.07	20.47	/	Pass
CP-OFDM 256 QAM	2510	Outer_Full	19.13	20.53	/	Pass
	2535	Outer_Full	19.19	20.63	/	Pass
	2560	Outer_Full	19.05	20.40	/	Pass

4.1.5 30k_SISO_10MHz_NTNV

5G NR n7 SCS=30kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	2505	Outer_Full	8.79	10.00	/	Pass
	2535	Outer_Full	8.79	9.98	/	Pass
	2565	Outer_Full	8.77	9.99	/	Pass
DFT-s-OFDM 16 QAM	2505	Outer_Full	8.79	9.98	/	Pass
	2535	Outer_Full	8.79	10.03	/	Pass
	2565	Outer_Full	8.70	9.89	/	Pass
DFT-s-OFDM 64 QAM	2505	Outer_Full	8.76	9.97	/	Pass
	2535	Outer_Full	8.78	9.91	/	Pass
	2565	Outer_Full	8.77	9.98	/	Pass
DFT-s-OFDM 256 QAM	2505	Outer_Full	8.71	9.93	/	Pass
	2535	Outer_Full	8.69	9.88	/	Pass
	2565	Outer_Full	8.66	9.80	/	Pass
CP-OFDM QPSK	2505	Outer_Full	8.81	9.96	/	Pass
	2535	Outer_Full	8.80	10.00	/	Pass
	2565	Outer_Full	8.76	9.88	/	Pass
CP-OFDM 16 QAM	2505	Outer_Full	8.74	9.97	/	Pass
	2535	Outer_Full	8.78	9.93	/	Pass
	2565	Outer_Full	8.70	9.86	/	Pass
CP-OFDM 64 QAM	2505	Outer_Full	8.76	9.95	/	Pass
	2535	Outer_Full	8.73	9.96	/	Pass
	2565	Outer_Full	8.70	10.05	/	Pass
CP-OFDM 256 QAM	2505	Outer_Full	8.59	9.22	/	Pass
	2535	Outer_Full	8.58	9.26	/	Pass
	2565	Outer_Full	8.75	9.96	/	Pass

4.1.6 30k_SISO_15MHz_NTNV

5G NR n7 SCS=30kHz SISO 15MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	2507.5	Outer_Full	13.15	14.91	/	Pass
	2535	Outer_Full	13.19	14.92	/	Pass
	2562.5	Outer_Full	13.38	22.82	/	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer_Full	13.13	14.93	/	Pass

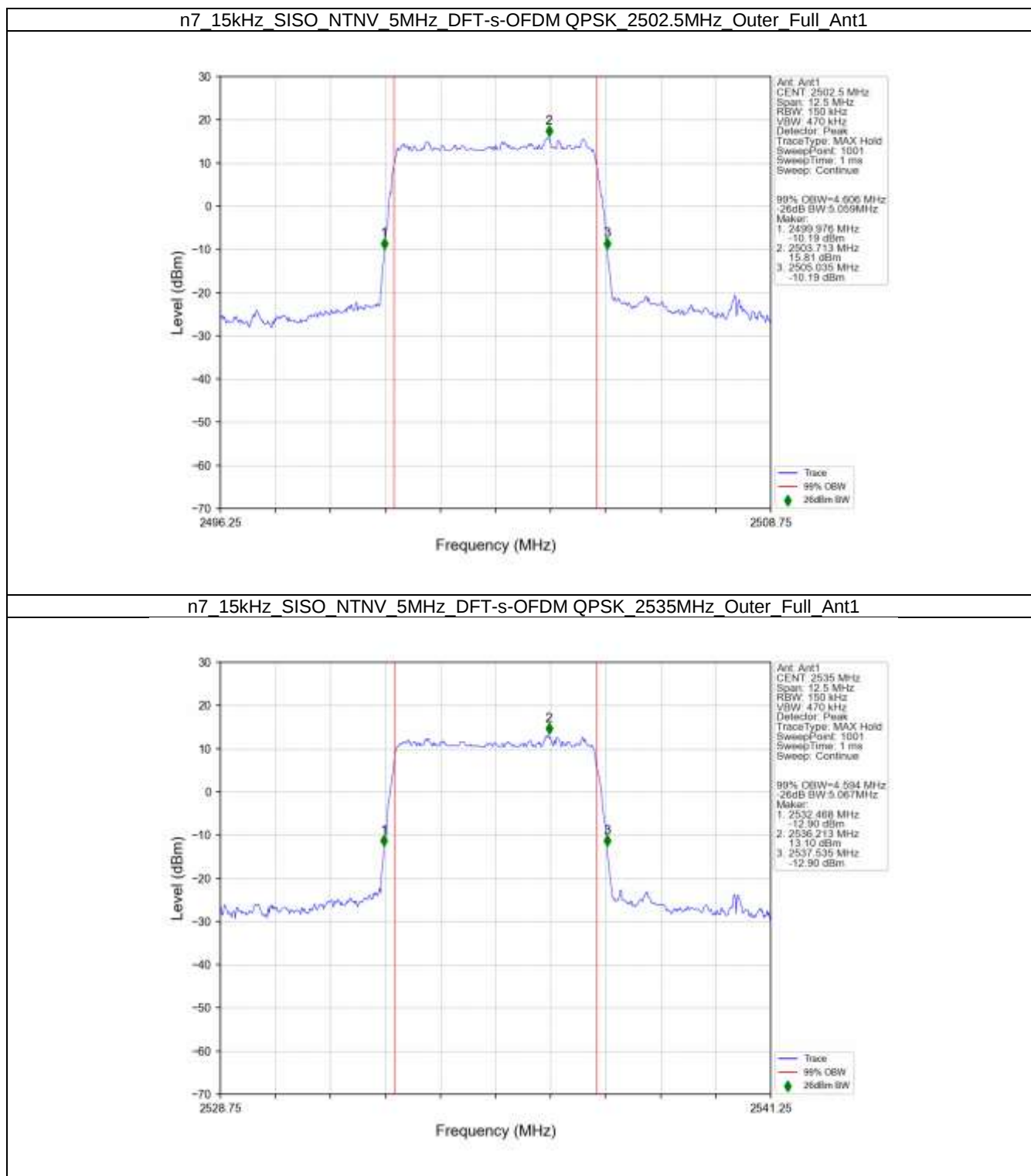
	2535	Outer_Full	13.11	14.74	/	Pass
	2562.5	Outer_Full	13.30	17.27	/	Pass
DFT-s-OFDM 64 QAM	2507.5	Outer_Full	13.24	14.89	/	Pass
	2535	Outer_Full	13.24	14.90	/	Pass
	2562.5	Outer_Full	13.31	14.94	/	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer_Full	13.07	14.65	/	Pass
	2535	Outer_Full	13.10	14.68	/	Pass
	2562.5	Outer_Full	13.29	29.67	/	Pass
CP-OFDM QPSK	2507.5	Outer_Full	13.74	15.23	/	Pass
	2535	Outer_Full	13.79	15.22	/	Pass
	2562.5	Outer_Full	13.90	21.62	/	Pass
CP-OFDM 16 QAM	2507.5	Outer_Full	13.82	15.27	/	Pass
	2535	Outer_Full	13.86	15.29	/	Pass
	2562.5	Outer_Full	13.99	31.15	/	Pass
CP-OFDM 64 QAM	2507.5	Outer_Full	13.87	15.21	/	Pass
	2535	Outer_Full	13.86	15.22	/	Pass
	2562.5	Outer_Full	13.80	15.14	/	Pass
CP-OFDM 256 QAM	2507.5	Outer_Full	13.80	15.12	/	Pass
	2535	Outer_Full	13.79	15.16	/	Pass
	2562.5	Outer_Full	13.84	14.50	/	Pass

4.1.7 30k_SISO_20MHz_NTNV

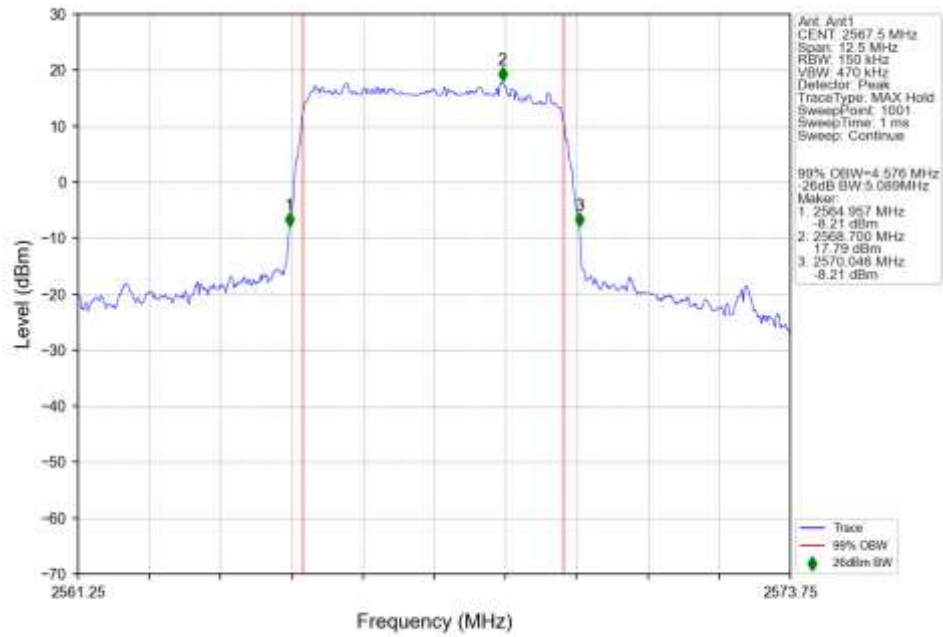
5G NR n7 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	2510	Outer_Full	18.23	19.78	/	Pass
	2535	Outer_Full	18.33	19.77	/	Pass
	2560	Outer_Full	18.07	19.80	/	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	18.28	20.00	/	Pass
	2535	Outer_Full	18.38	20.02	/	Pass
	2560	Outer_Full	18.07	19.79	/	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	18.28	19.99	/	Pass
	2535	Outer_Full	18.49	42.91	/	Pass
	2560	Outer_Full	18.12	19.89	/	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	18.29	20.09	/	Pass
	2535	Outer_Full	18.66	48.38	/	Pass
	2560	Outer_Full	18.10	19.96	/	Pass
CP-OFDM QPSK	2510	Outer_Full	18.50	20.16	/	Pass
	2535	Outer_Full	18.70	28.11	/	Pass
	2560	Outer_Full	18.36	20.05	/	Pass
CP-OFDM 16 QAM	2510	Outer_Full	18.63	20.31	/	Pass
	2535	Outer_Full	18.84	47.59	/	Pass
	2560	Outer_Full	18.39	20.11	/	Pass
CP-OFDM 64 QAM	2510	Outer_Full	18.61	20.21	/	Pass
	2535	Outer_Full	18.86	48.52	/	Pass
	2560	Outer_Full	18.40	20.10	/	Pass
CP-OFDM 256 QAM	2510	Outer_Full	18.65	20.20	/	Pass
	2535	Outer_Full	18.91	49.10	/	Pass
	2560	Outer_Full	18.34	20.01	/	Pass

4.2 Test Graph

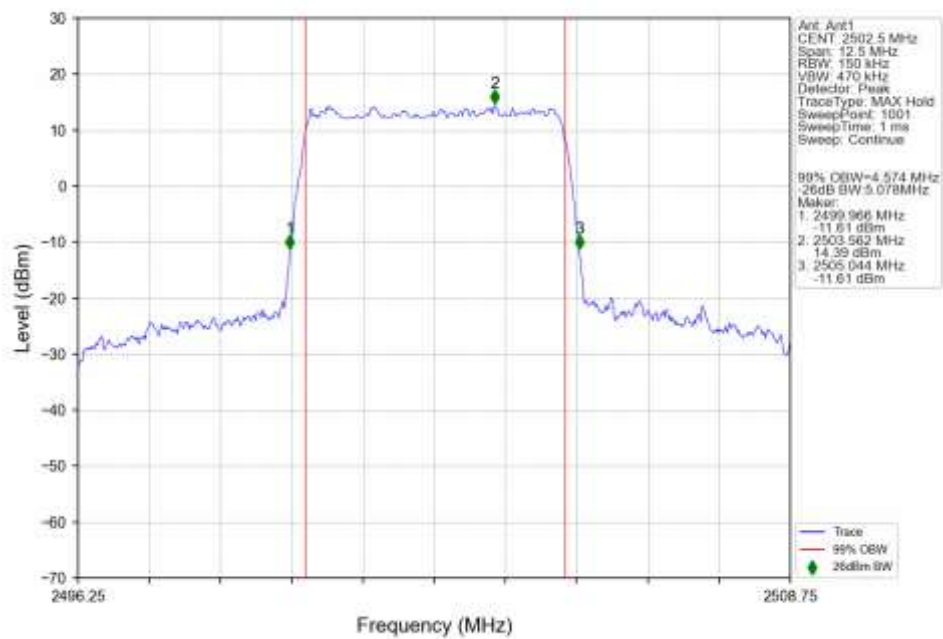
4.2.1 15k_SISO_5MHz_NTNV



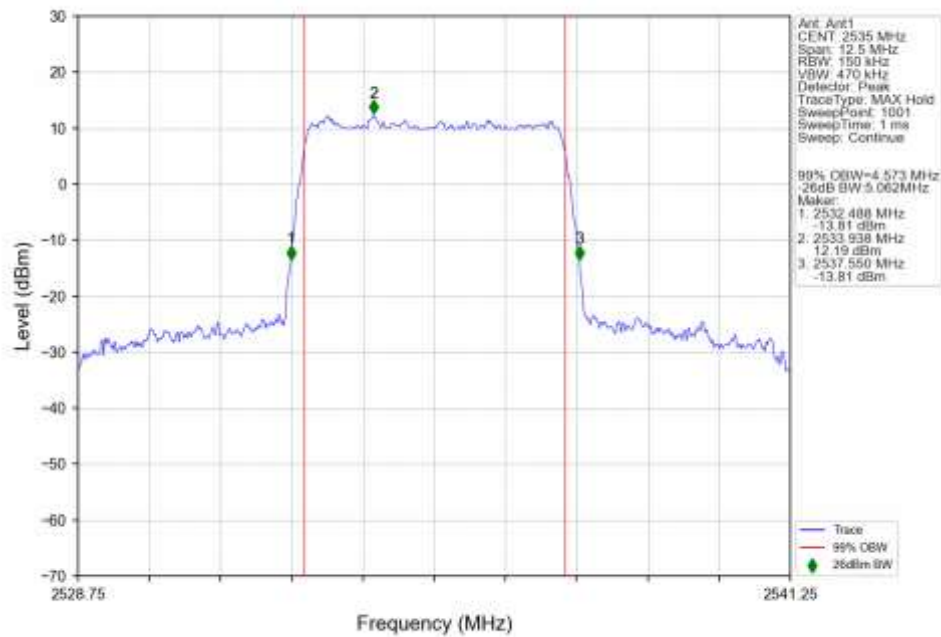
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2567.5MHz_Outer_Full_Ant1



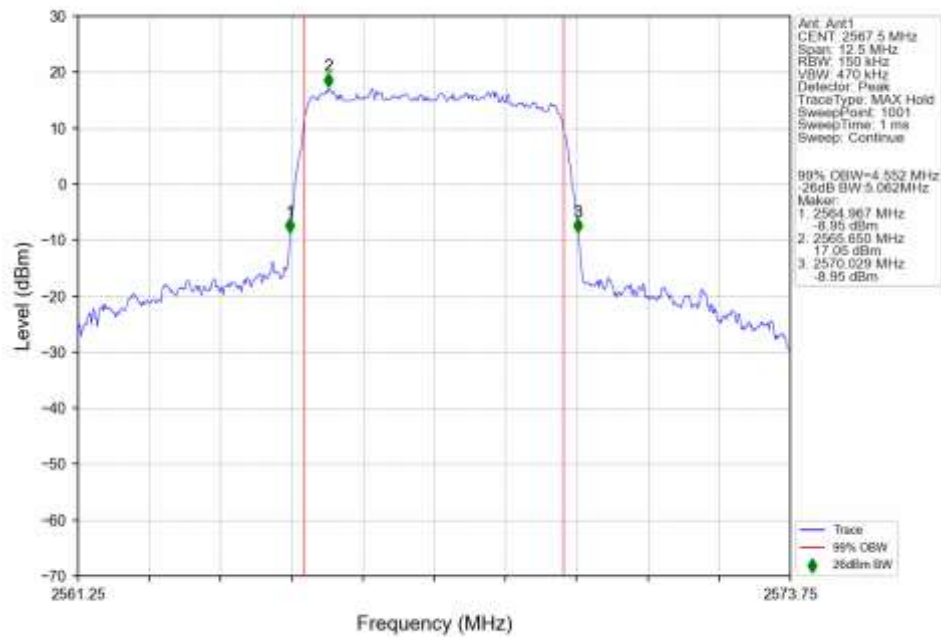
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_2502.5MHz_Outer_Full_Ant1



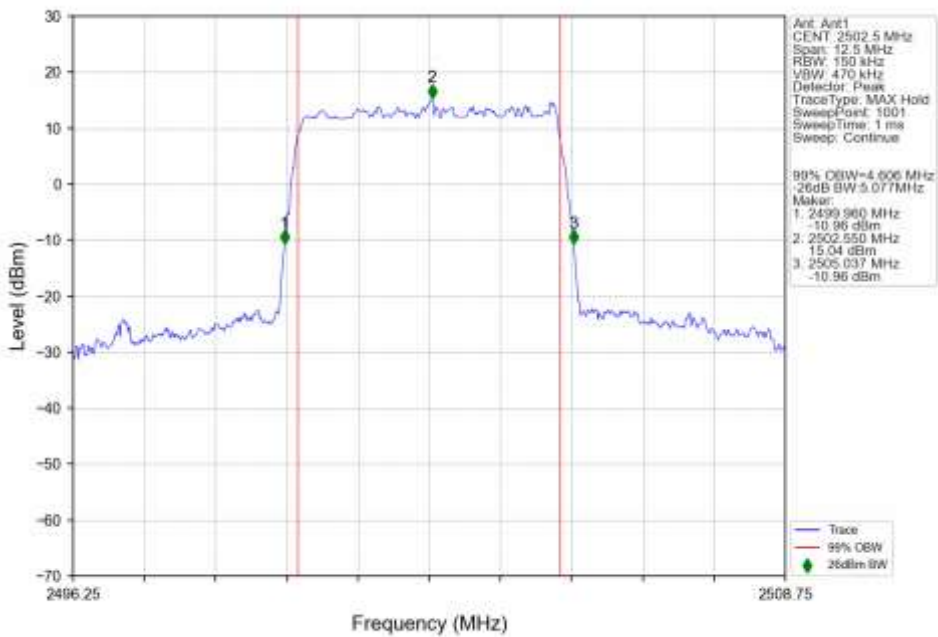
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_2535MHz_Outer_Full_Ant1



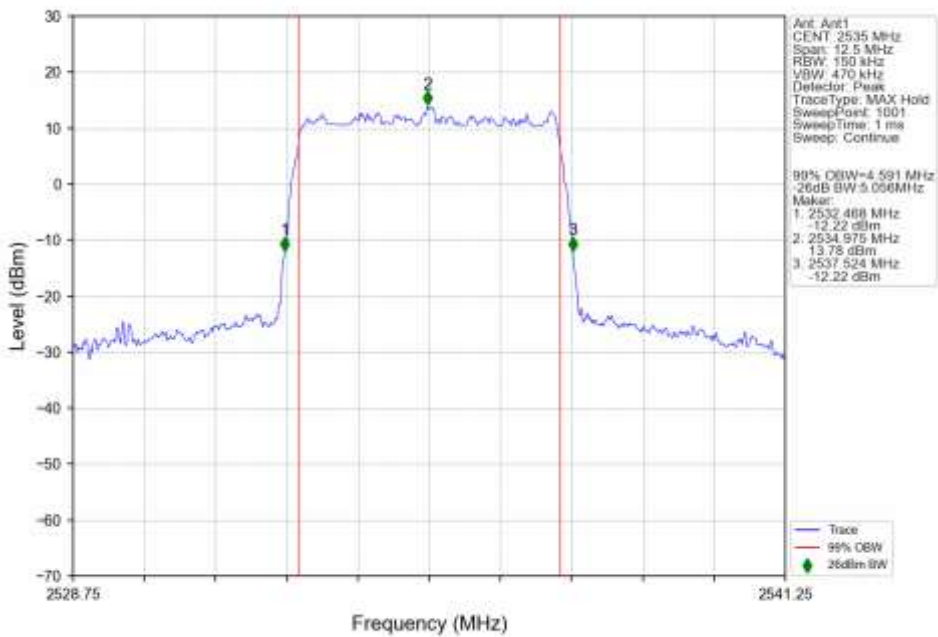
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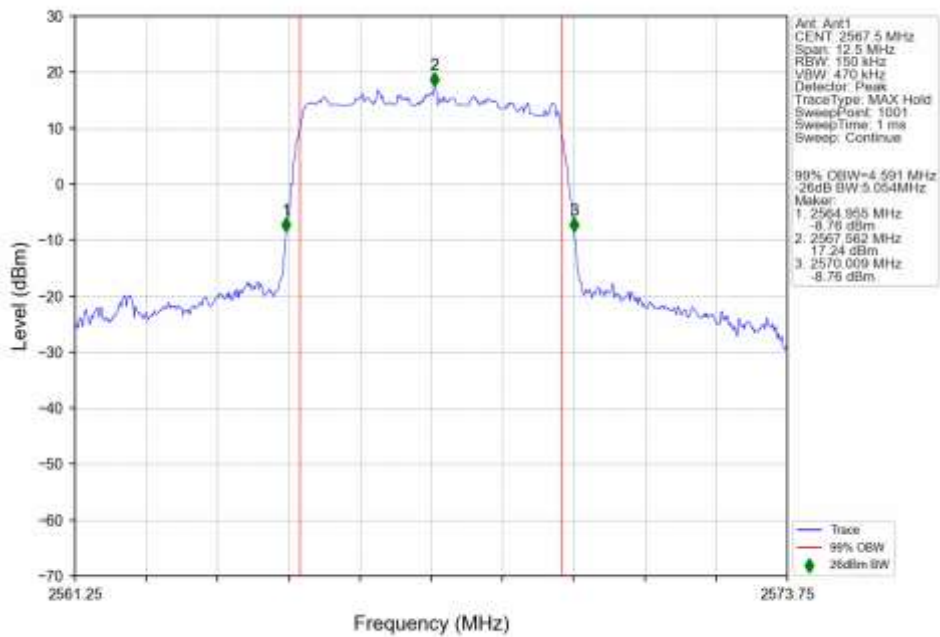
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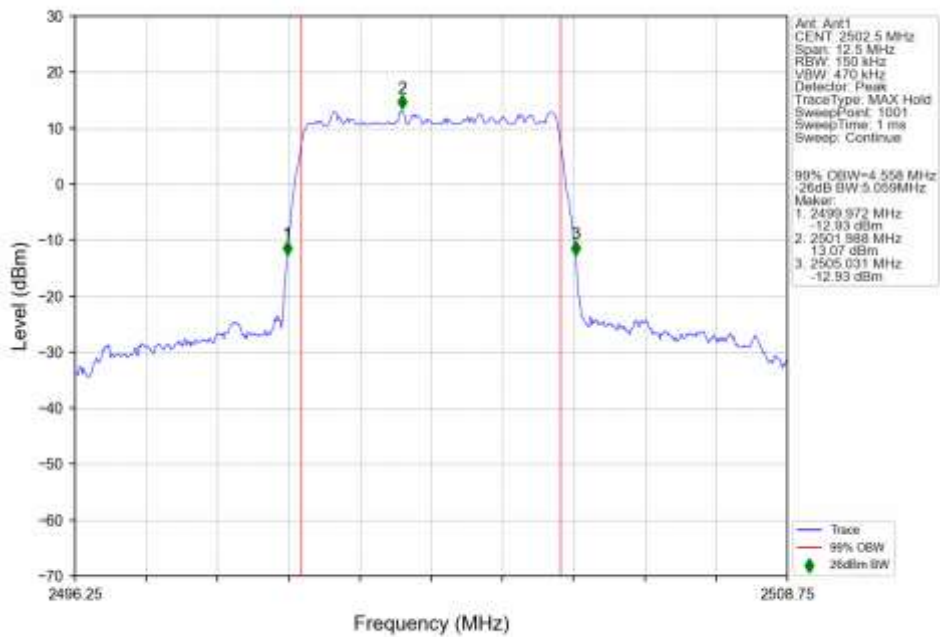
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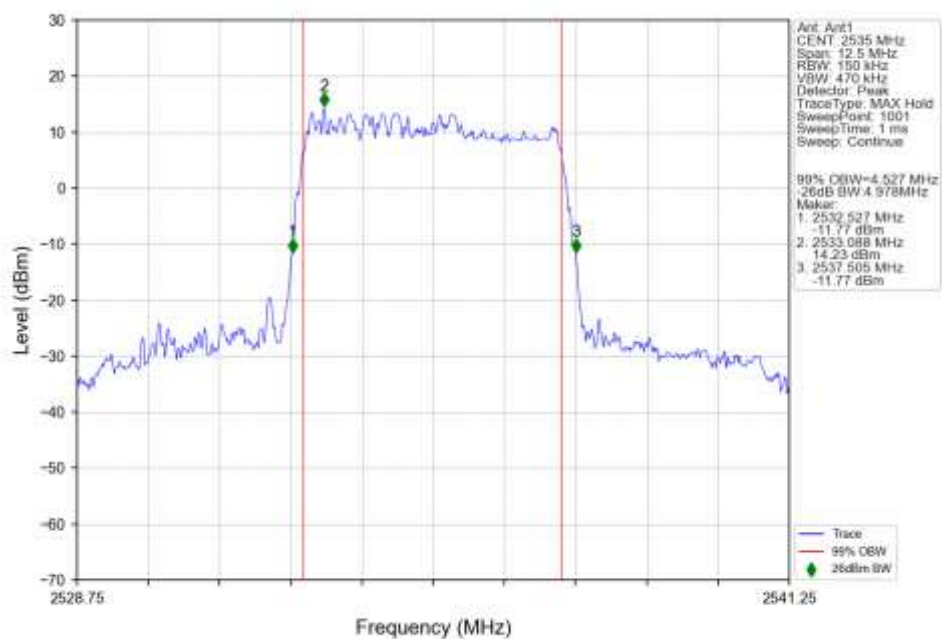
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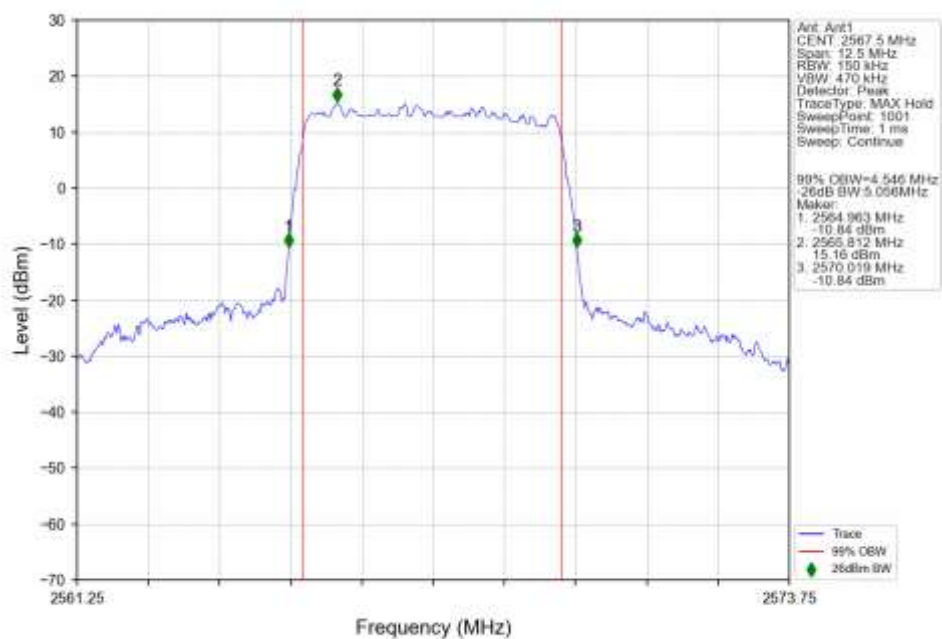
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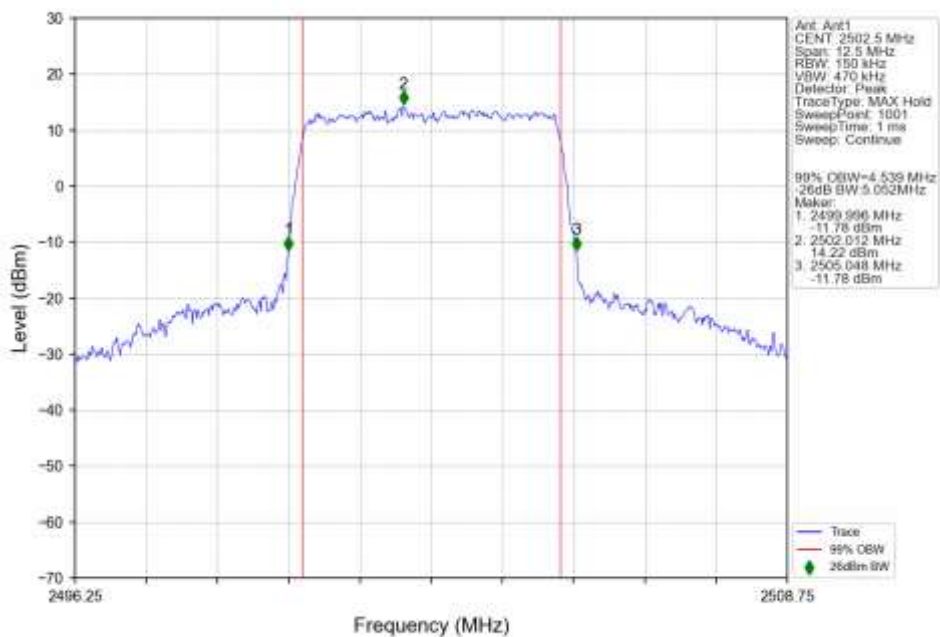
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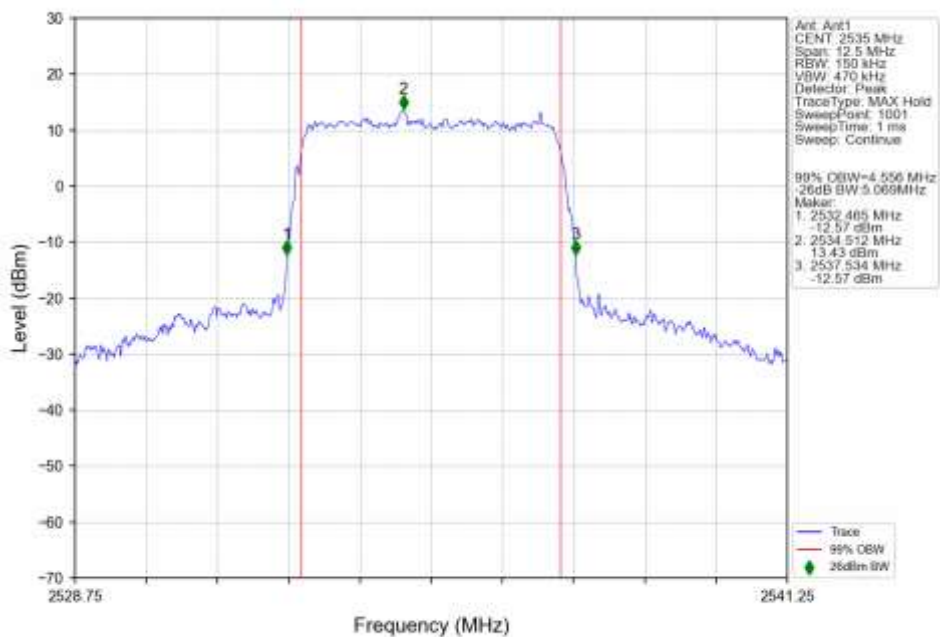
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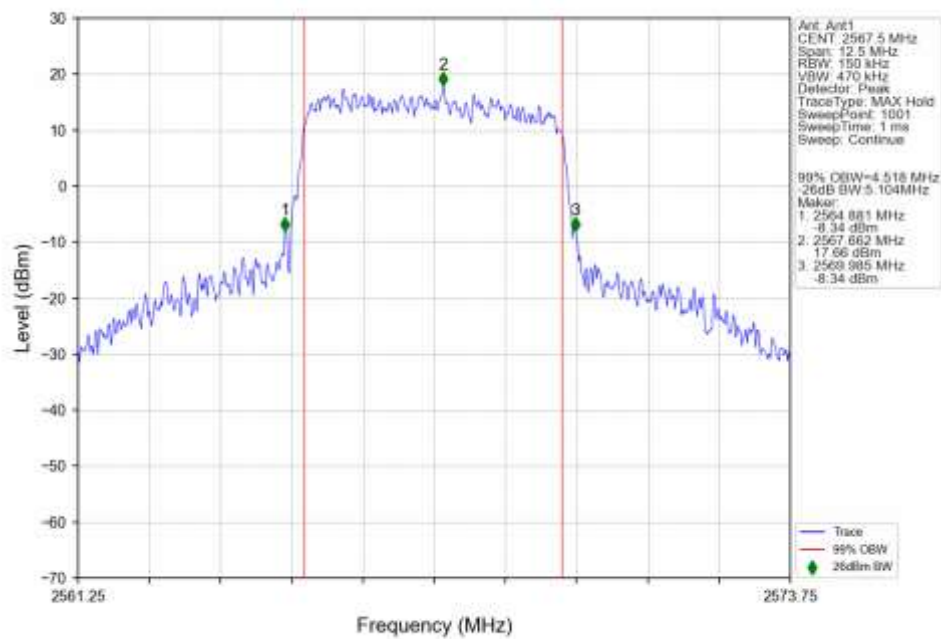
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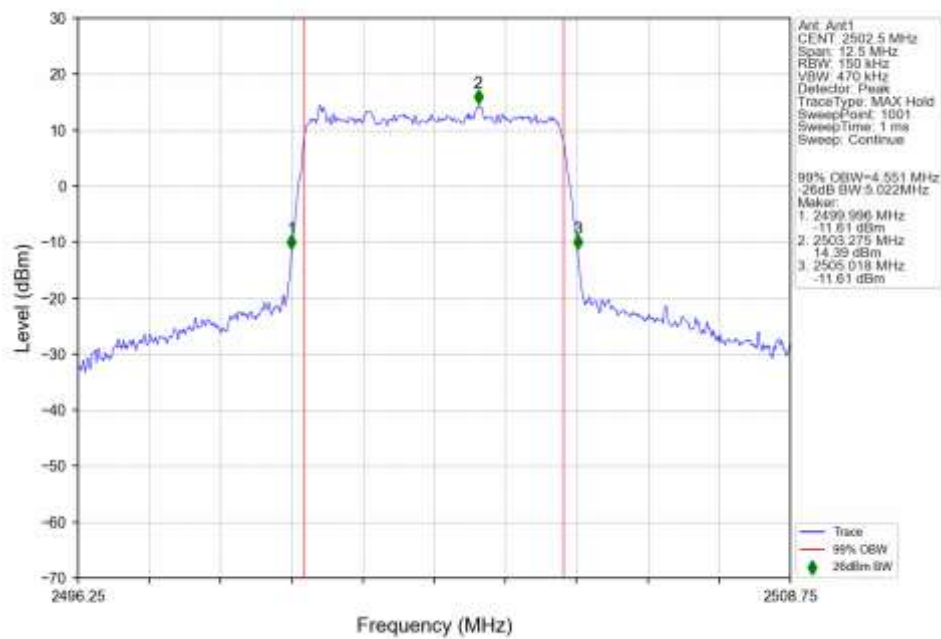
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



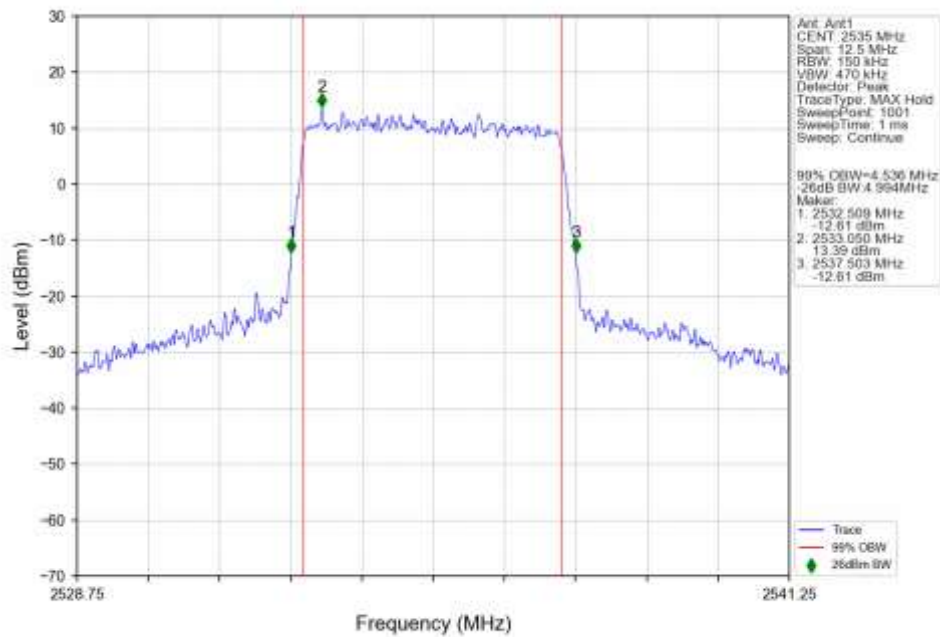
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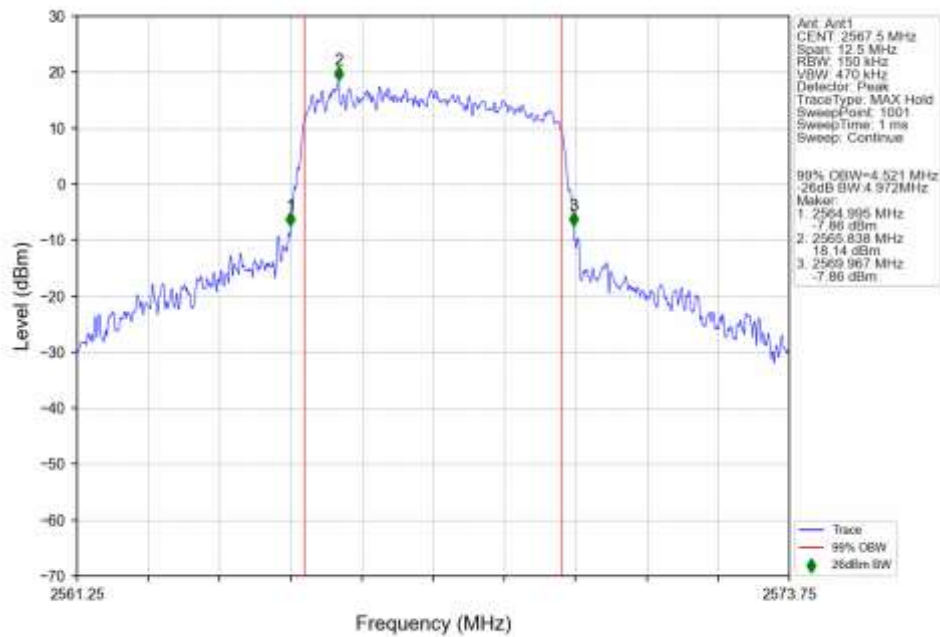
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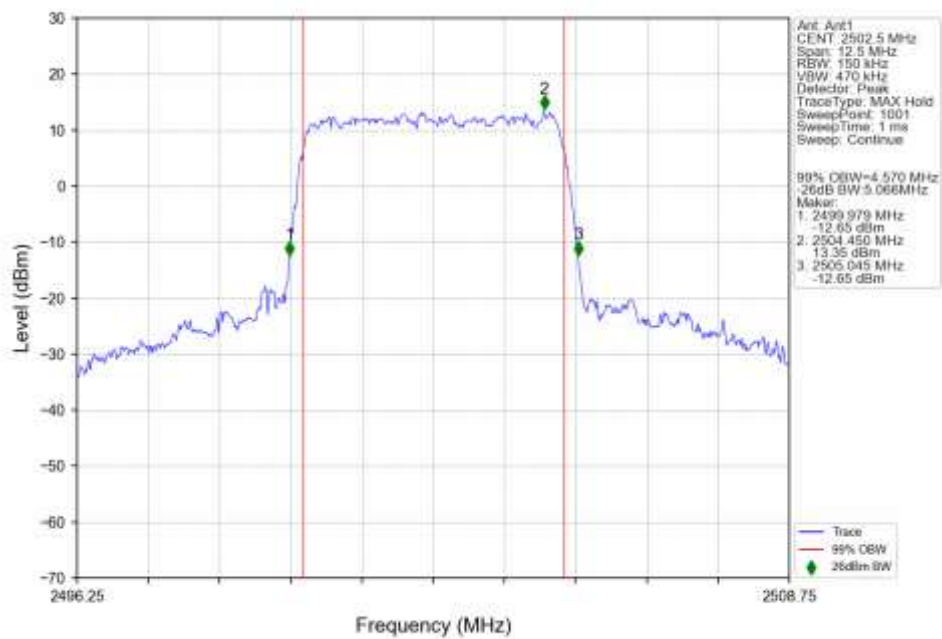
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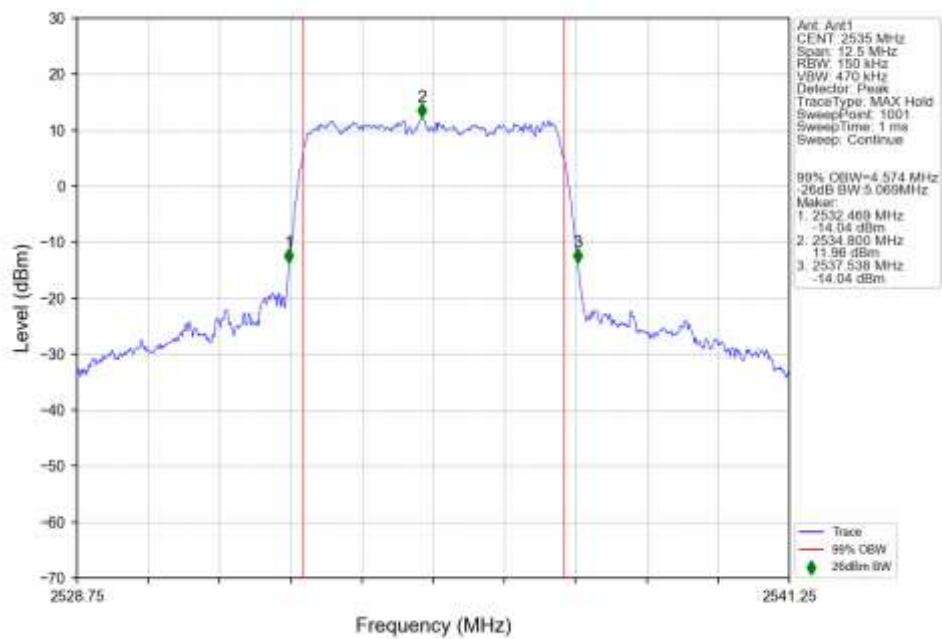
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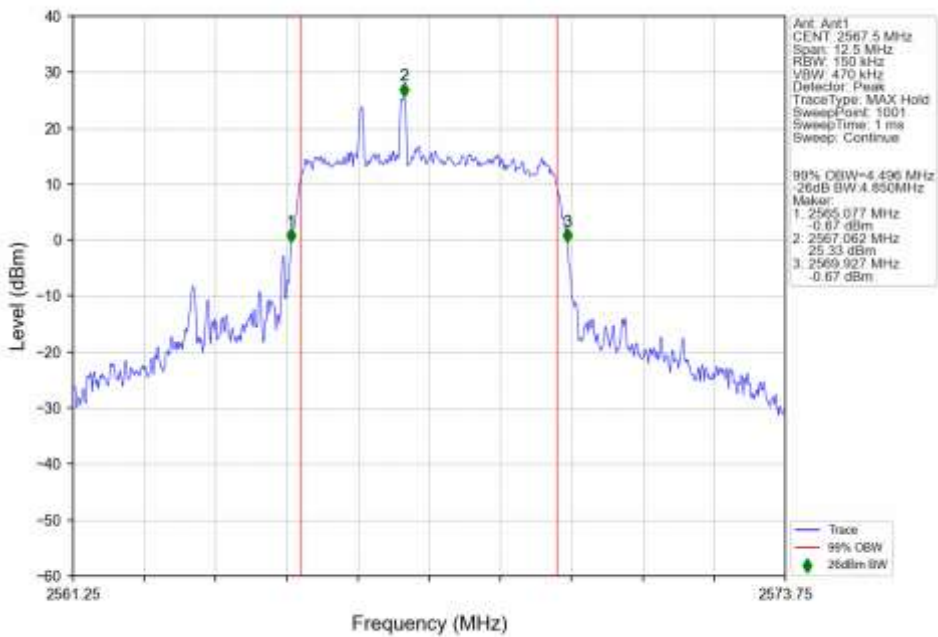
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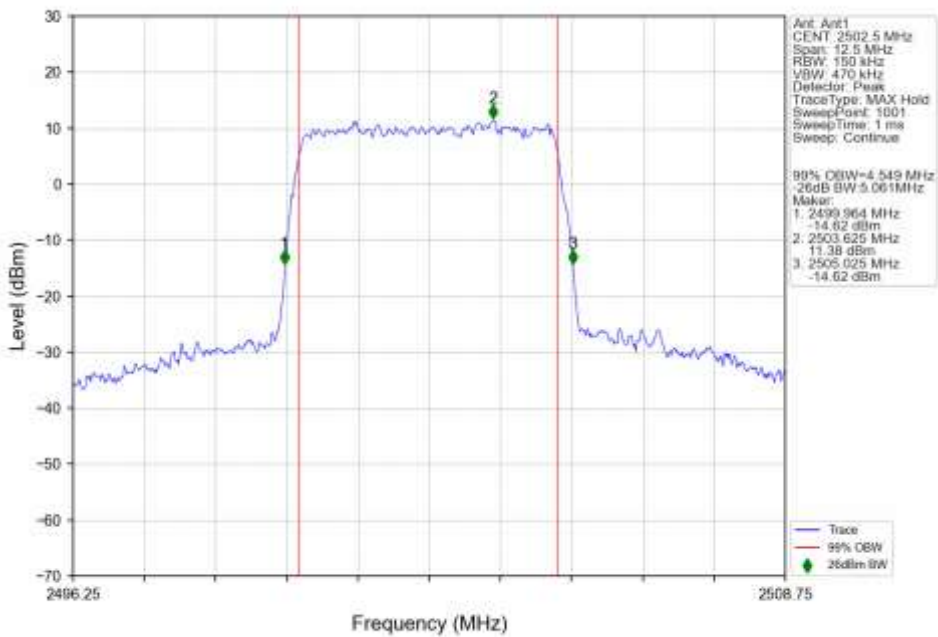
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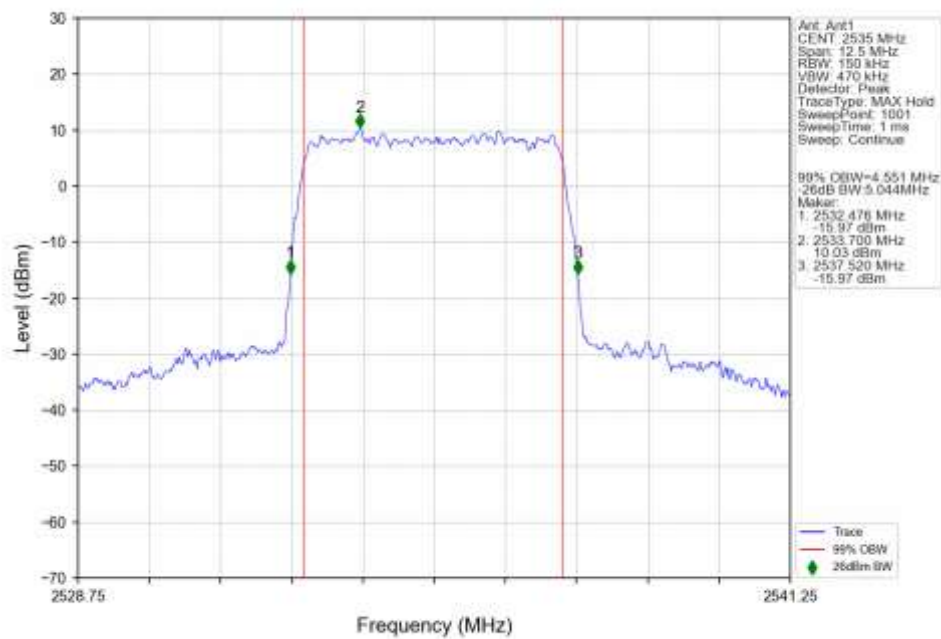
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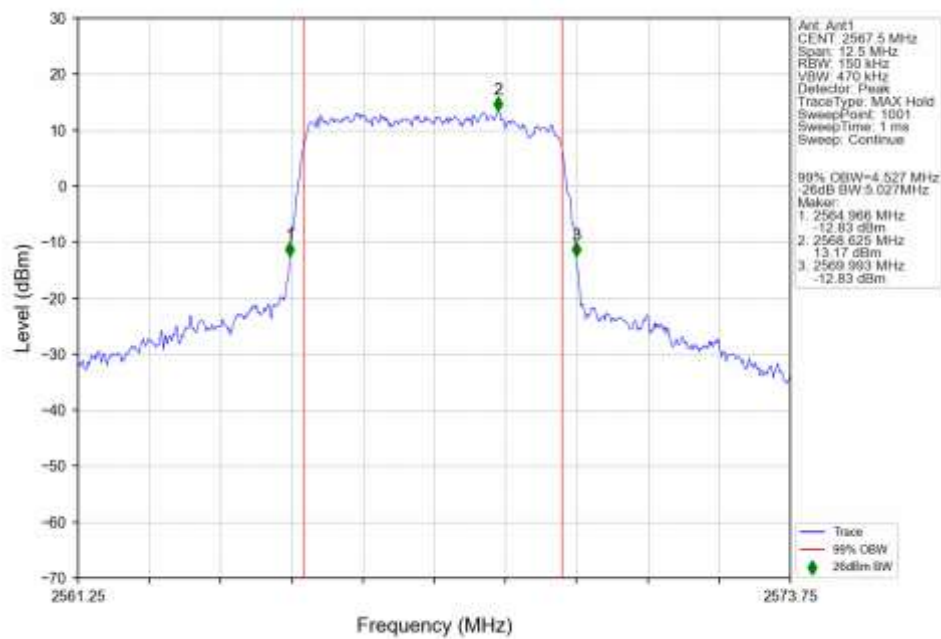
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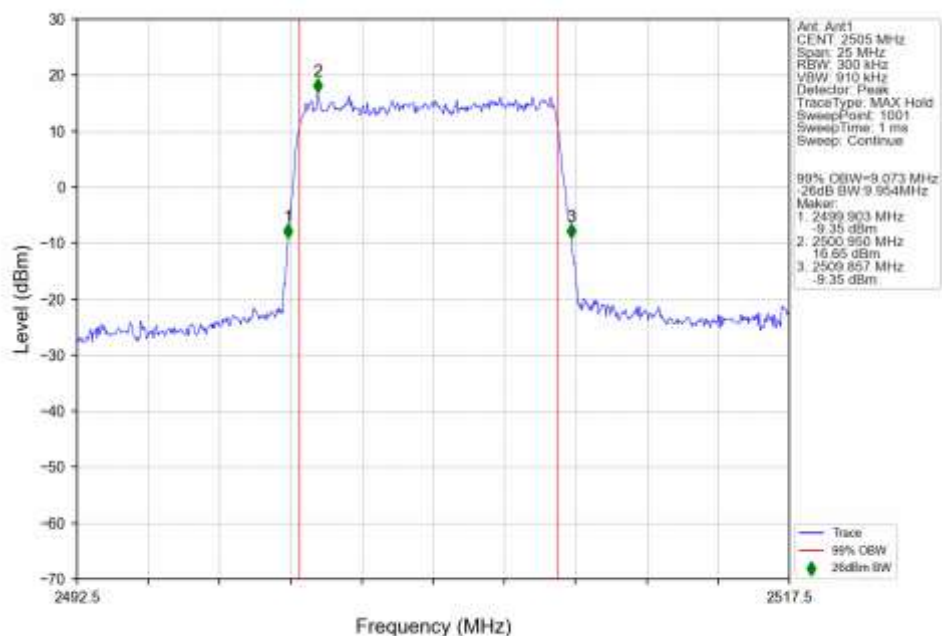


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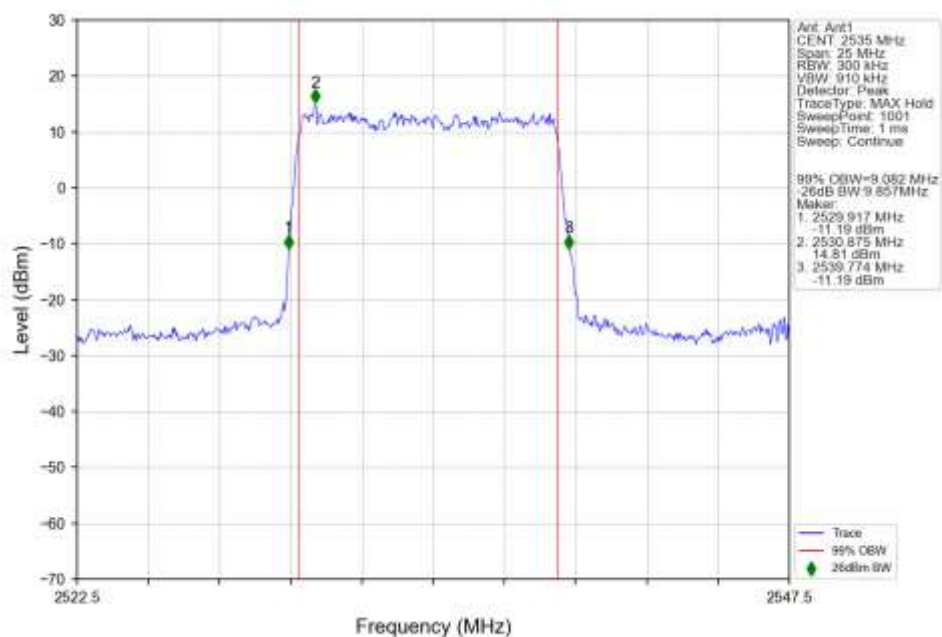


4.2.2 15k_SISO_10MHz_NTNV

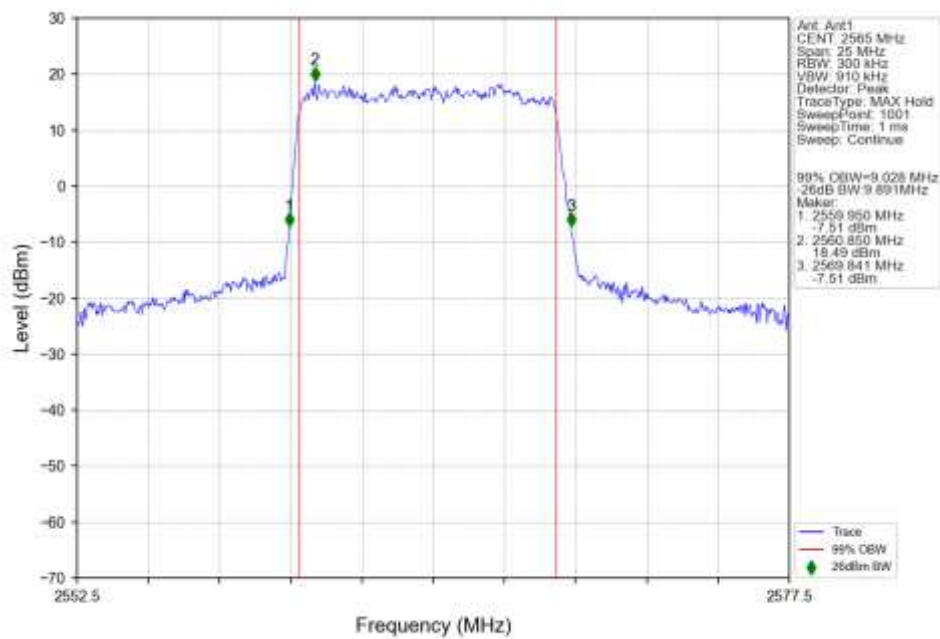
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2505MHz_Outer_Full_Ant1



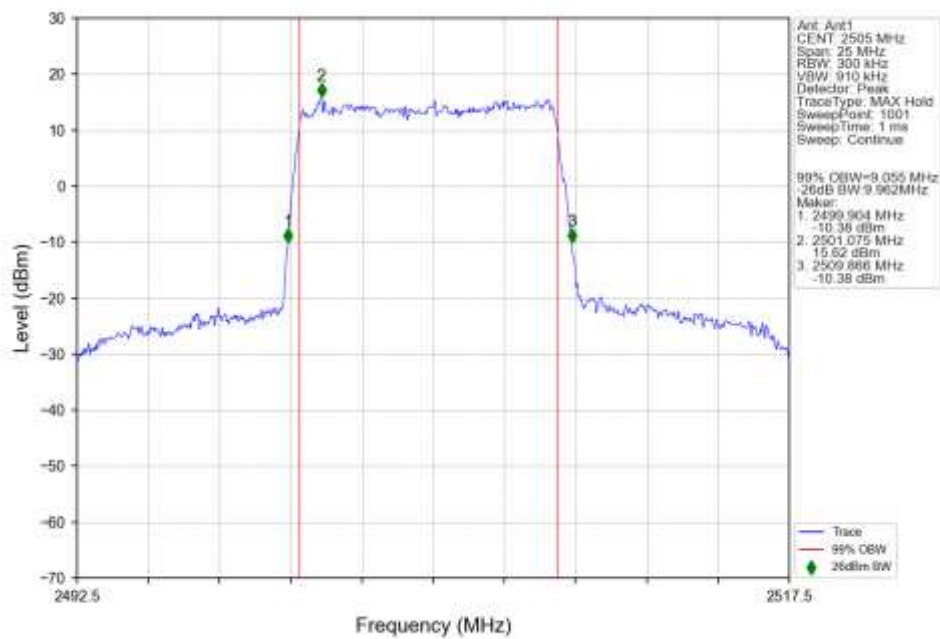
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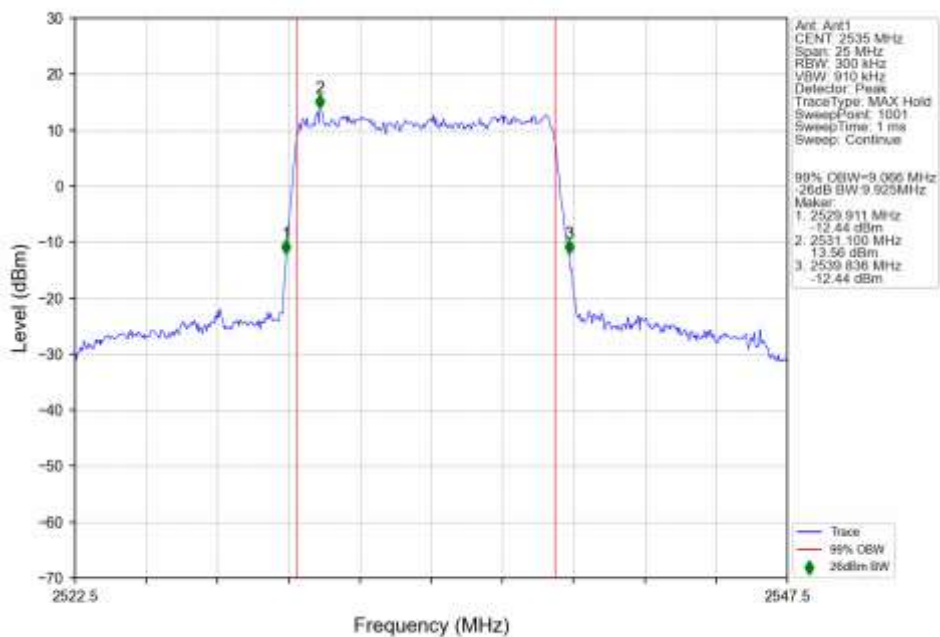
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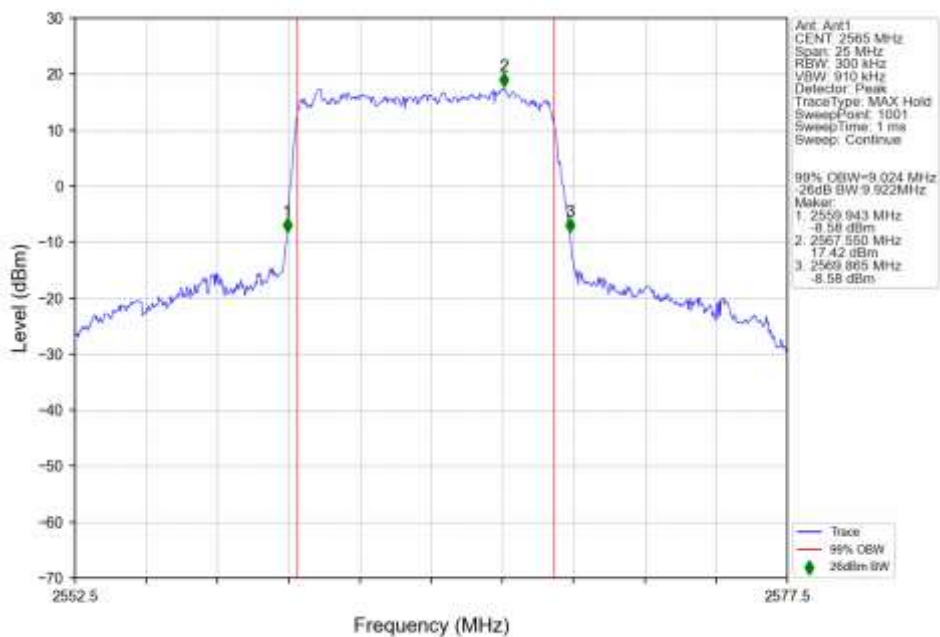
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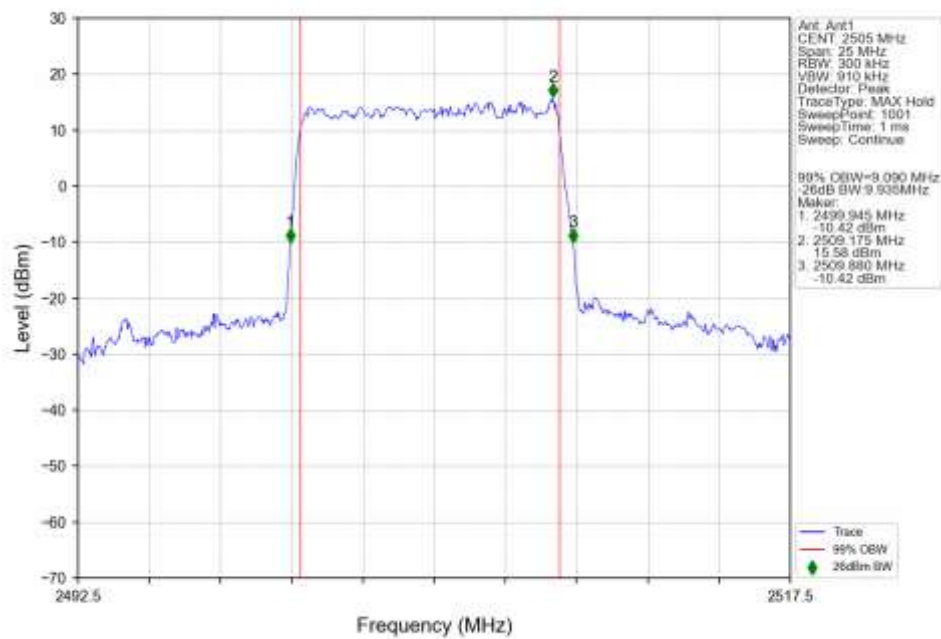
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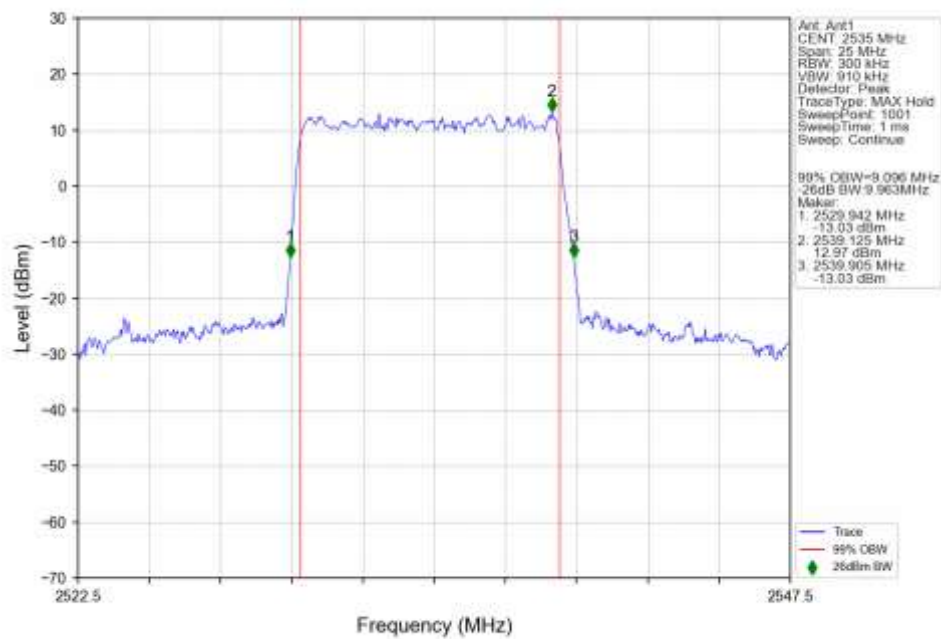
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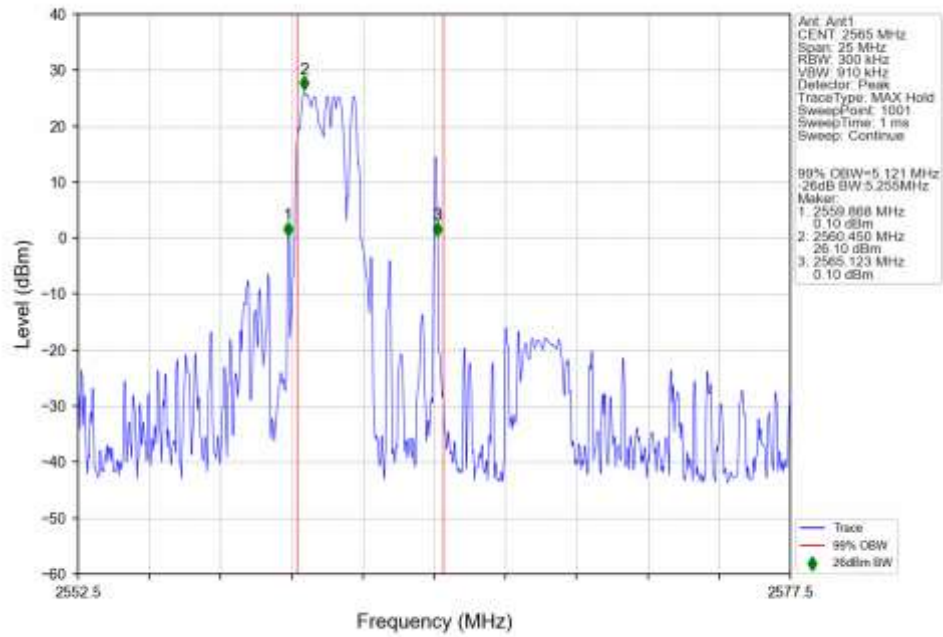
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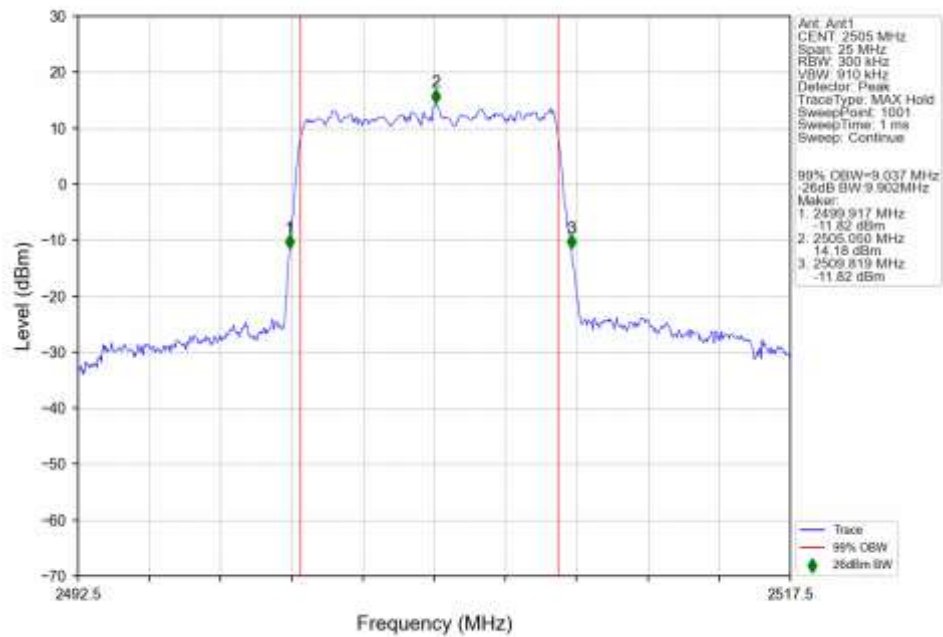
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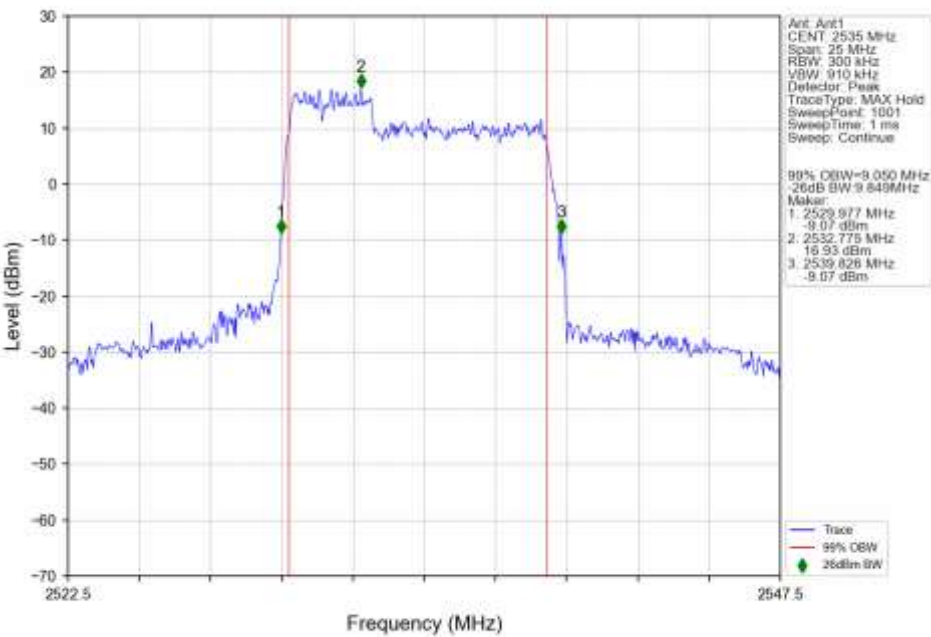
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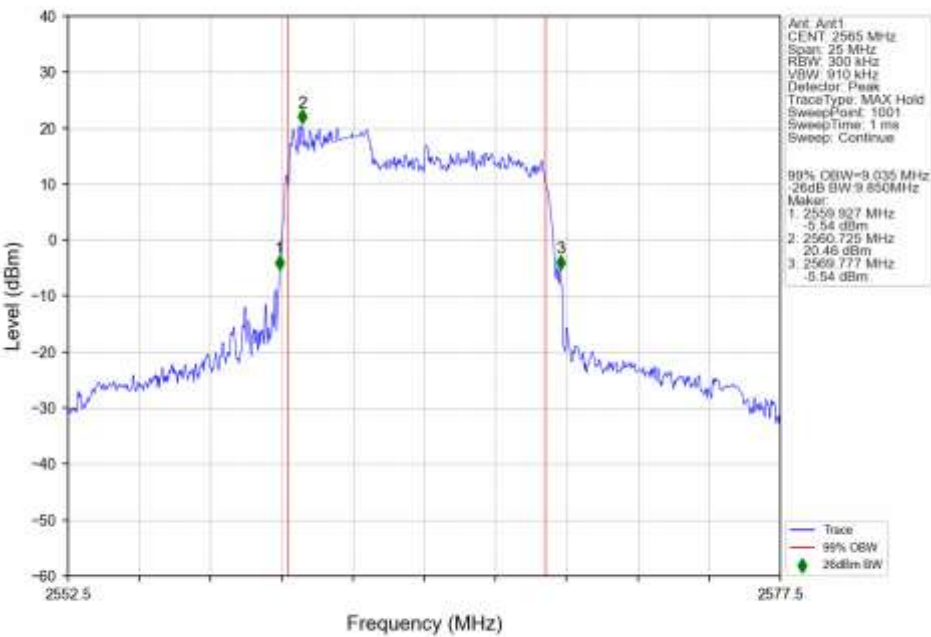
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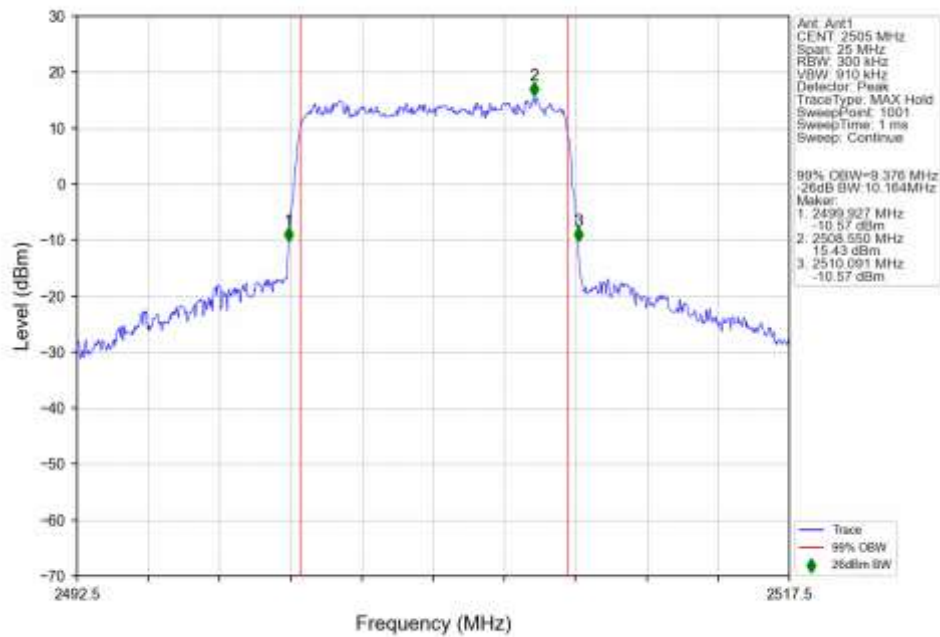
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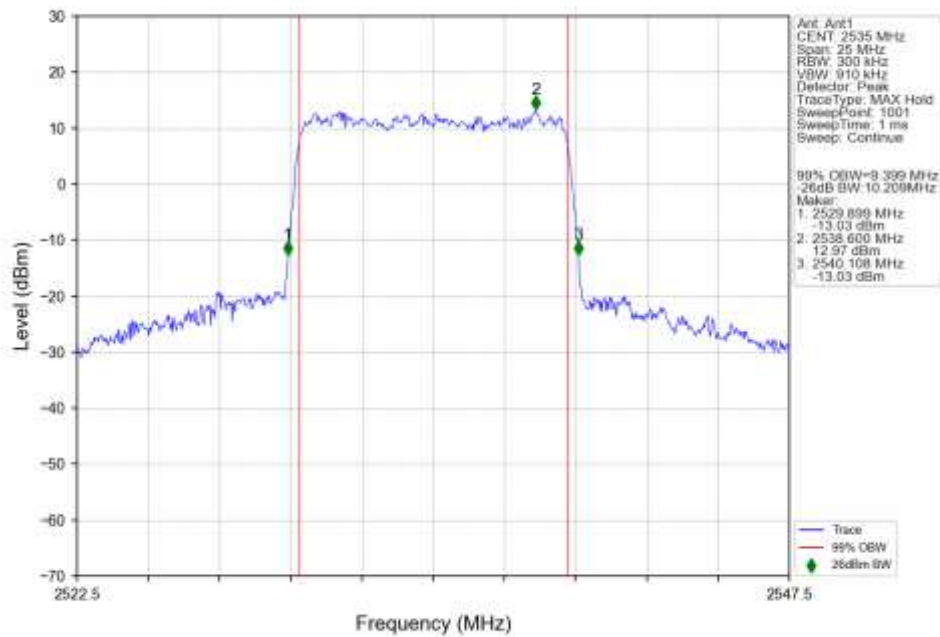
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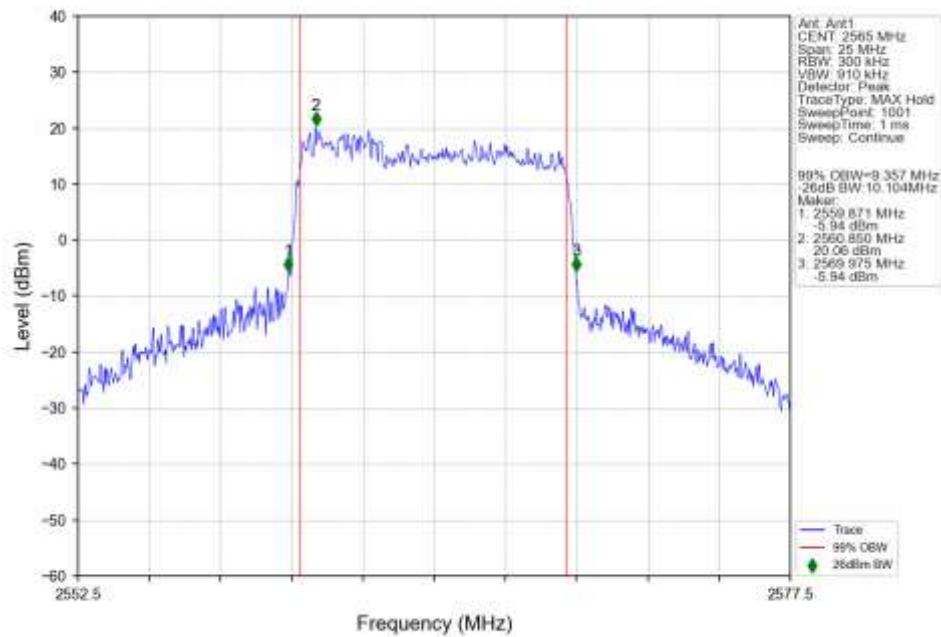
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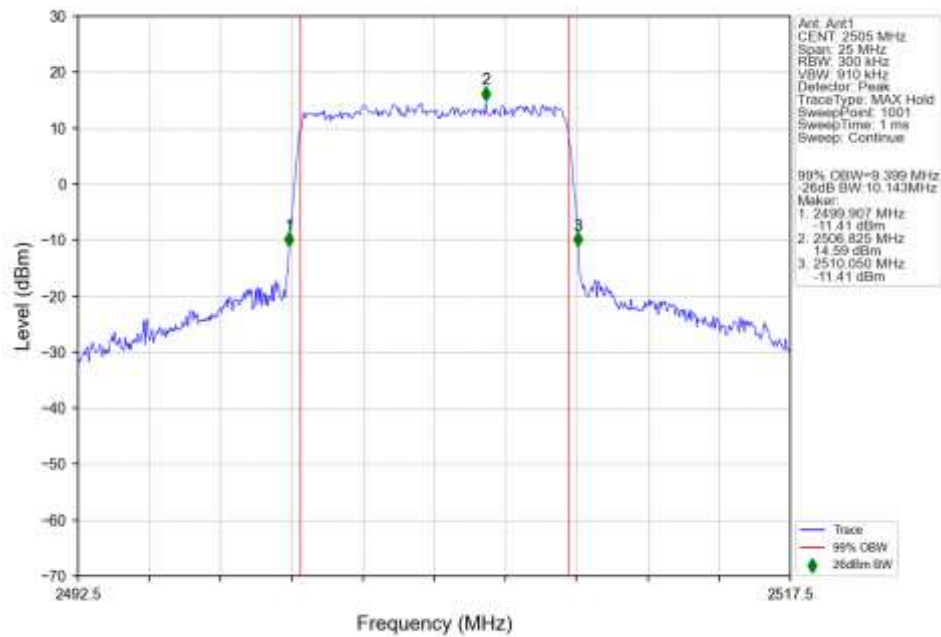
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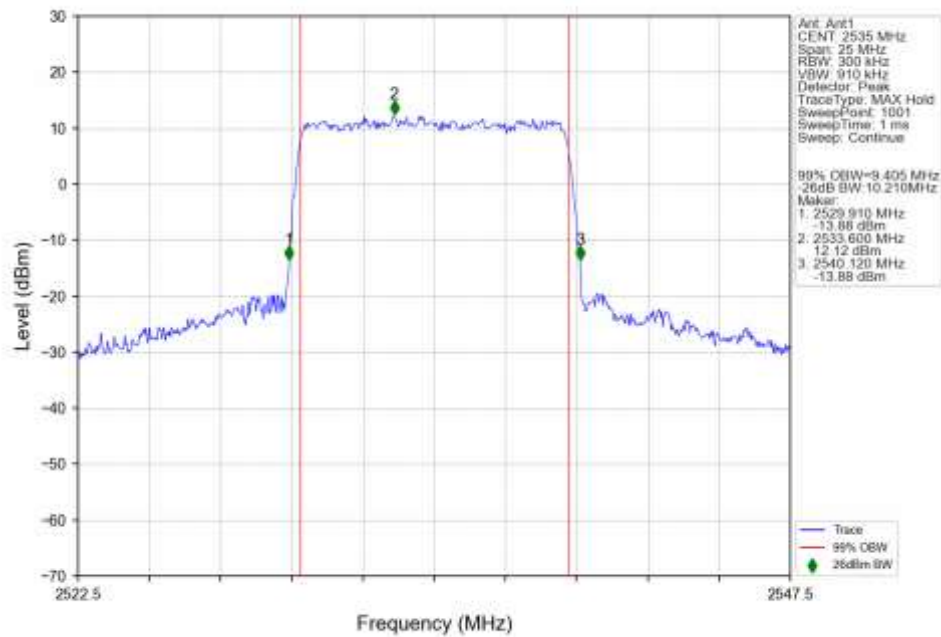
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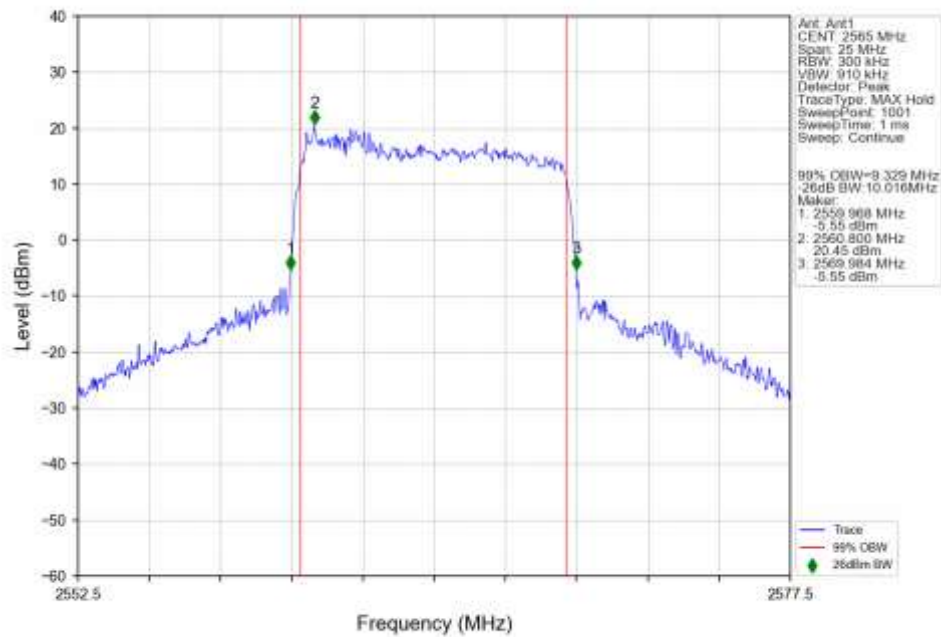
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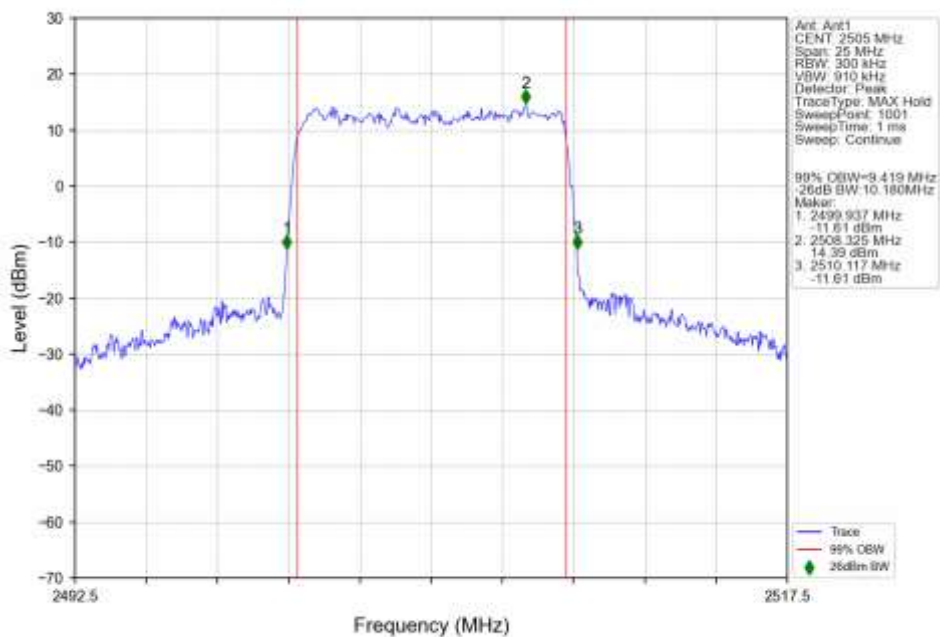
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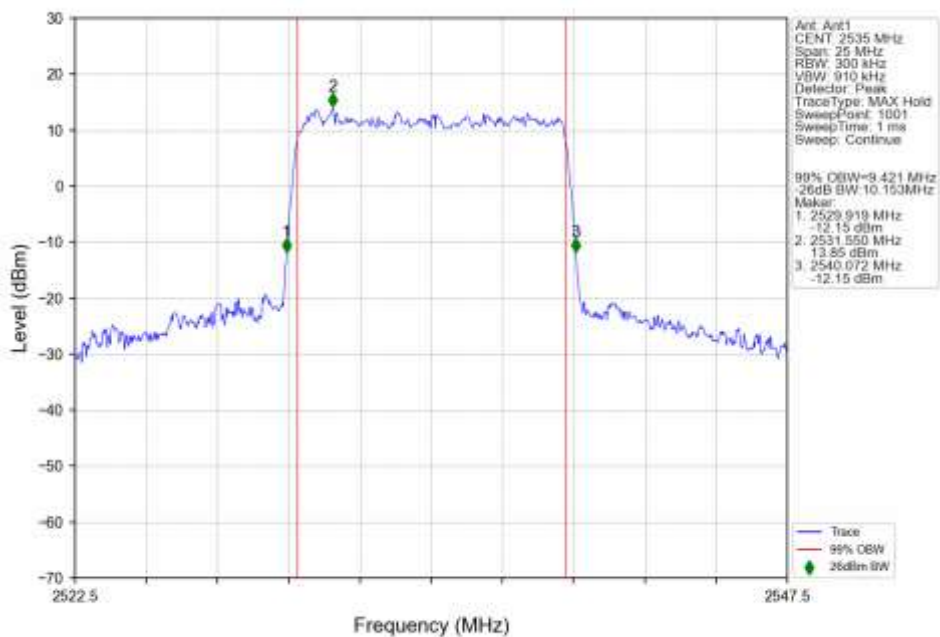
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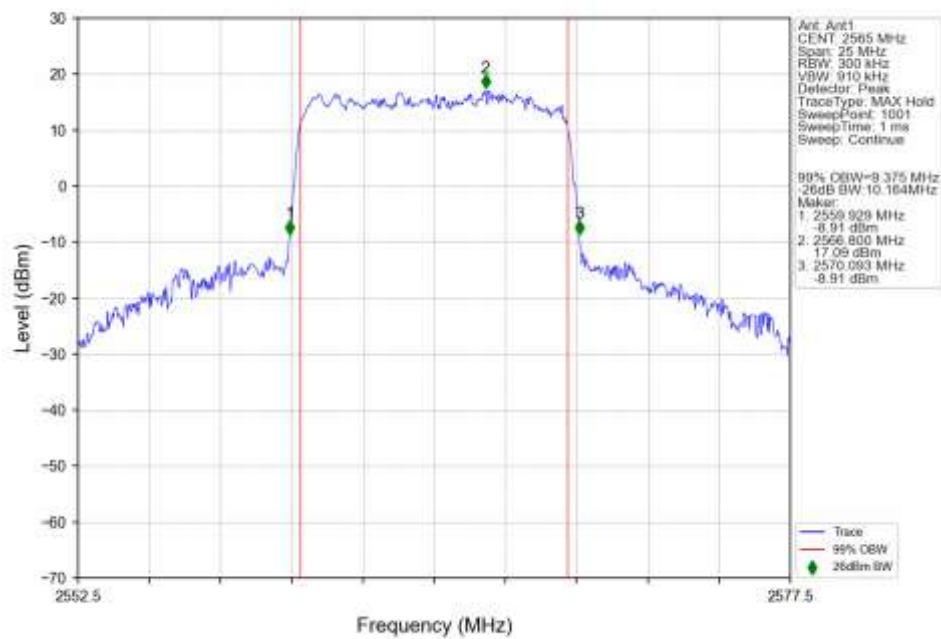
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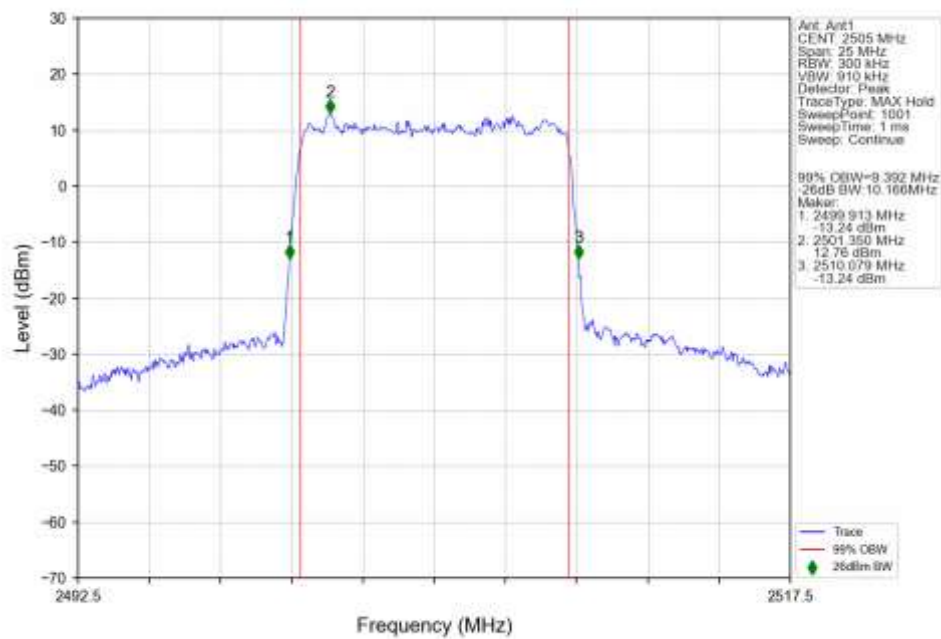
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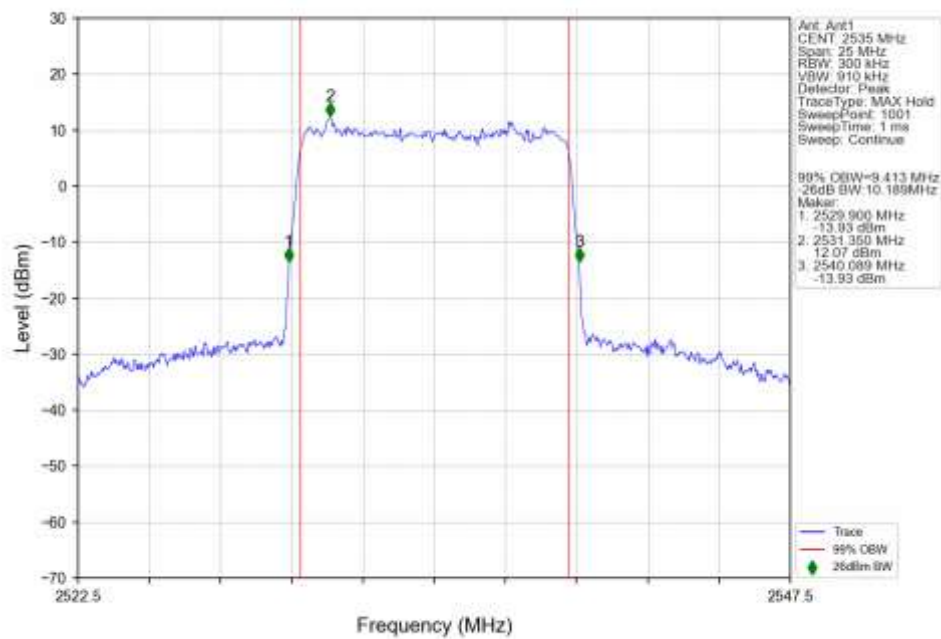
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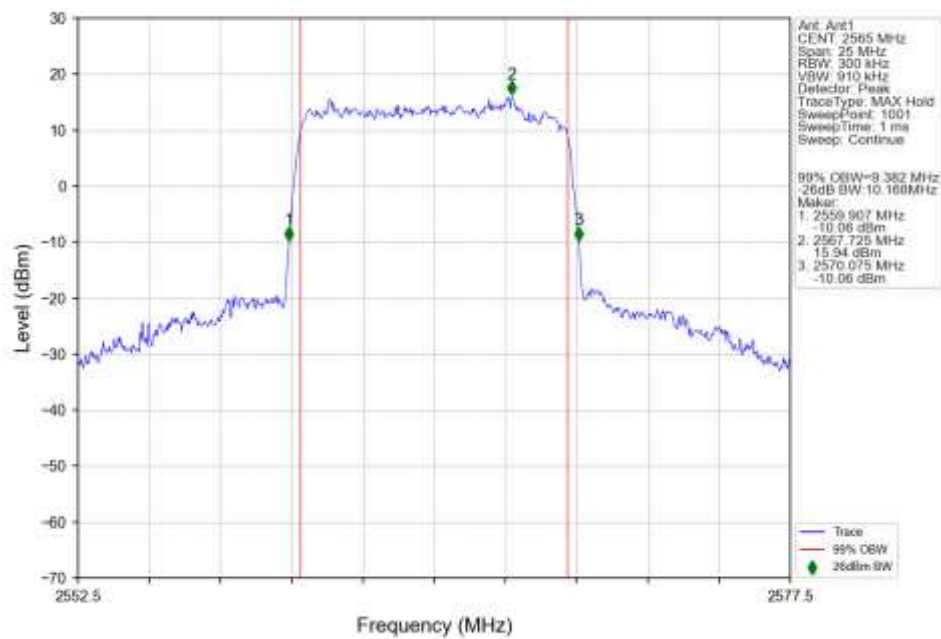
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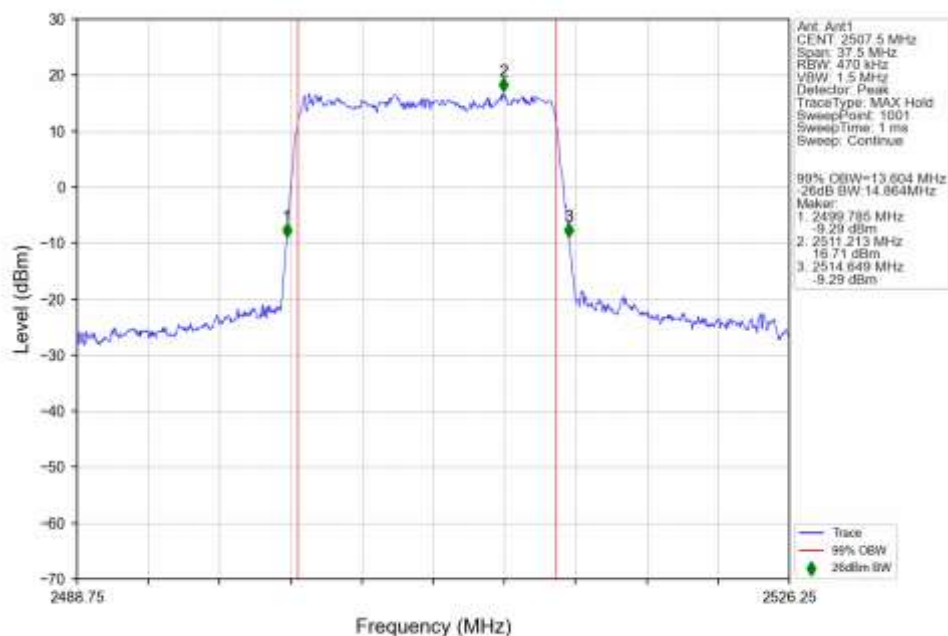


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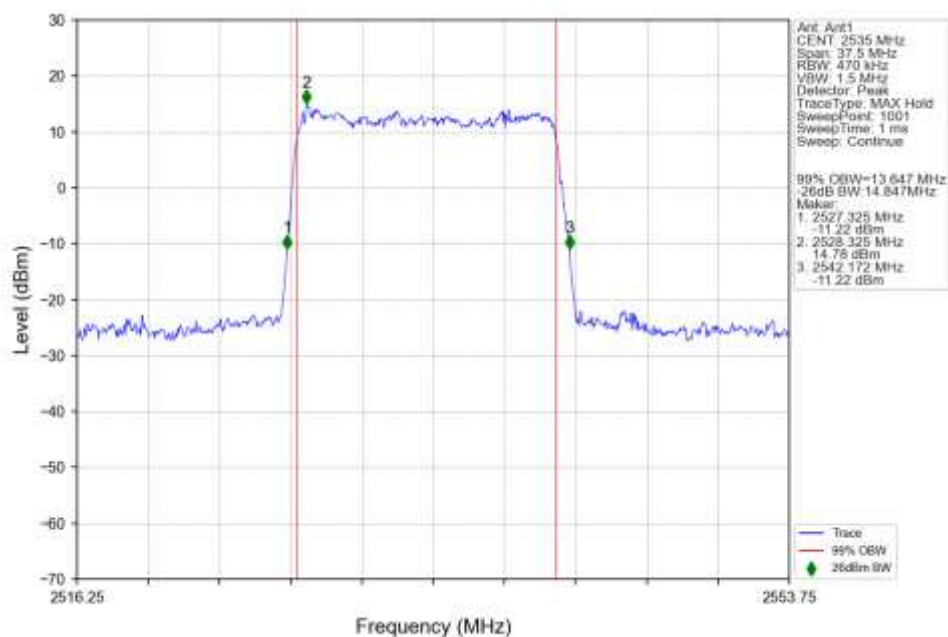


4.2.3 15k_SISO_15MHz_NTNV

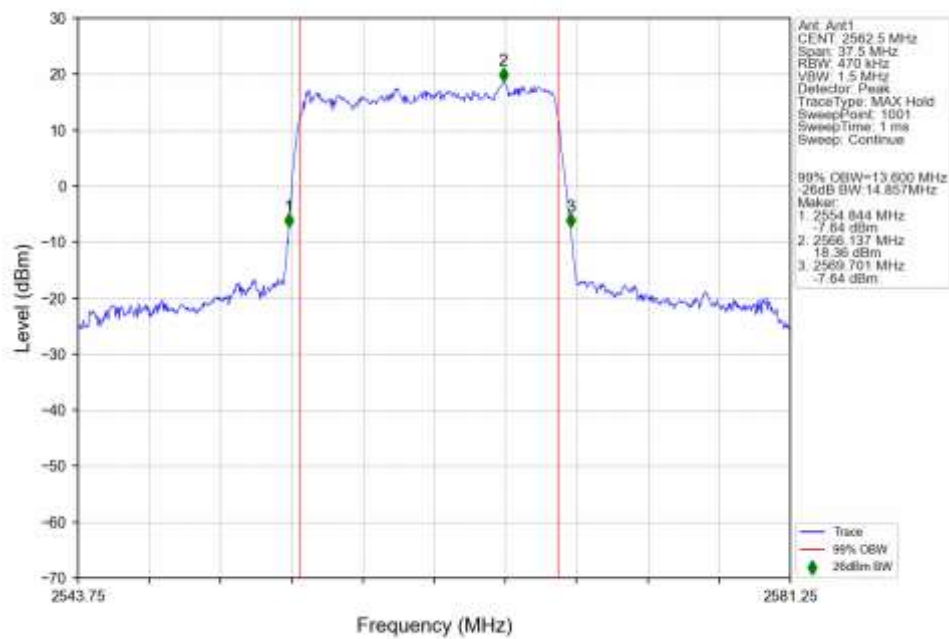
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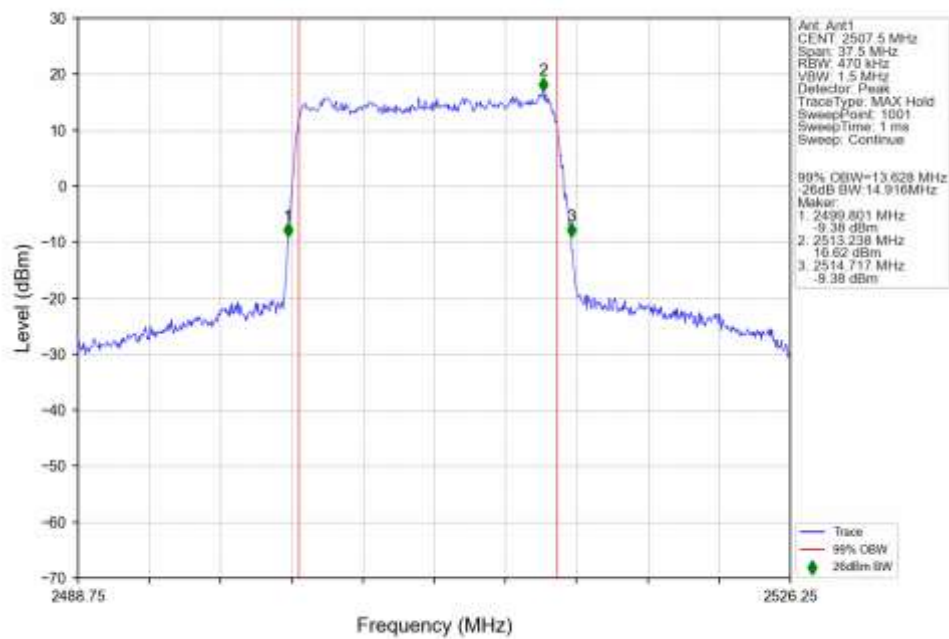
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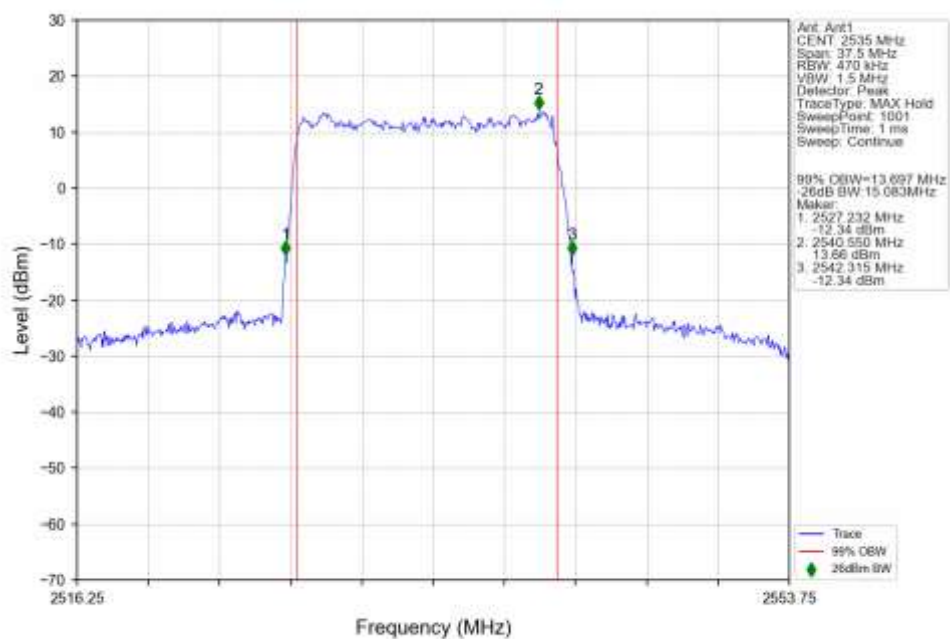
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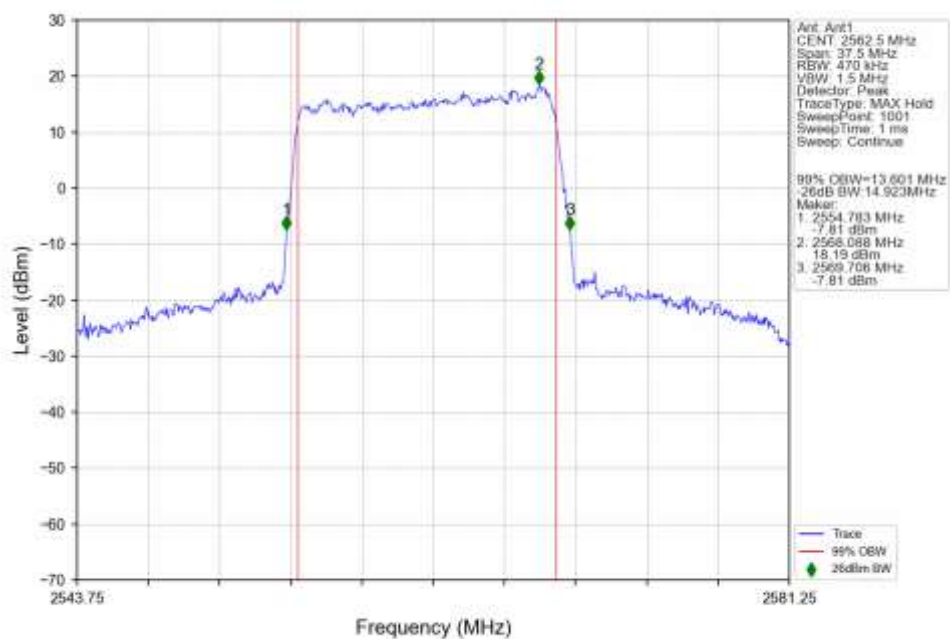
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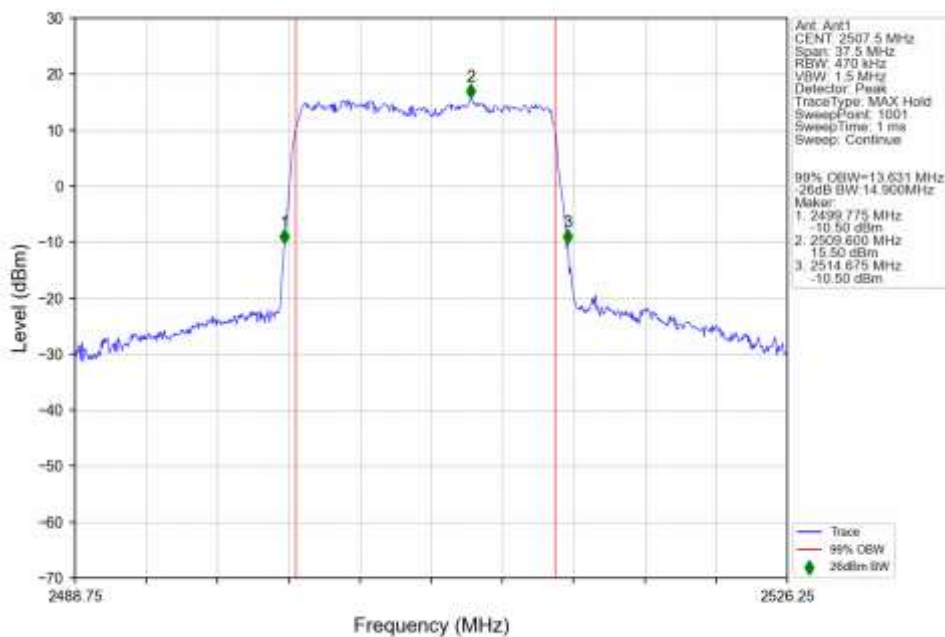
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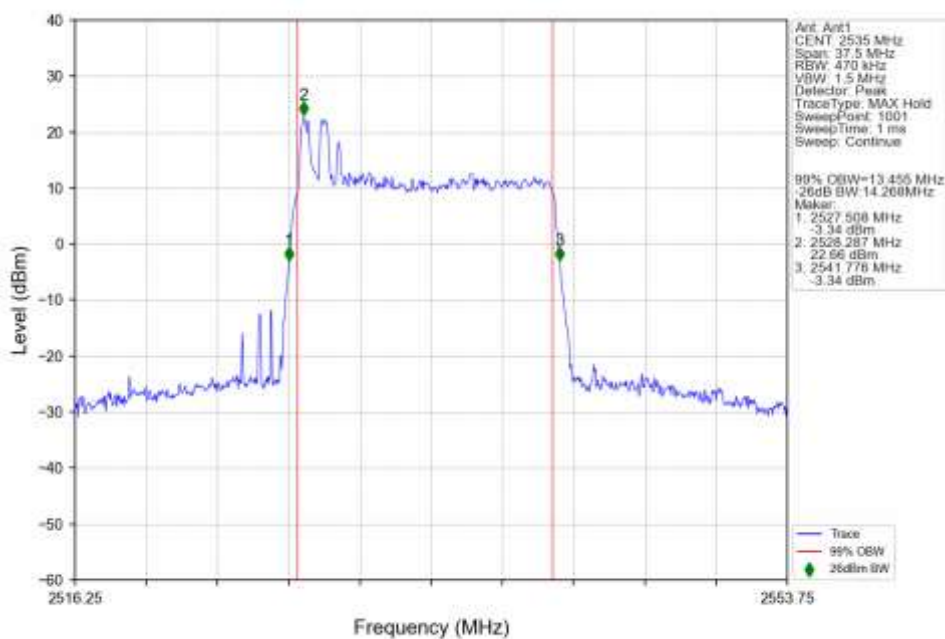
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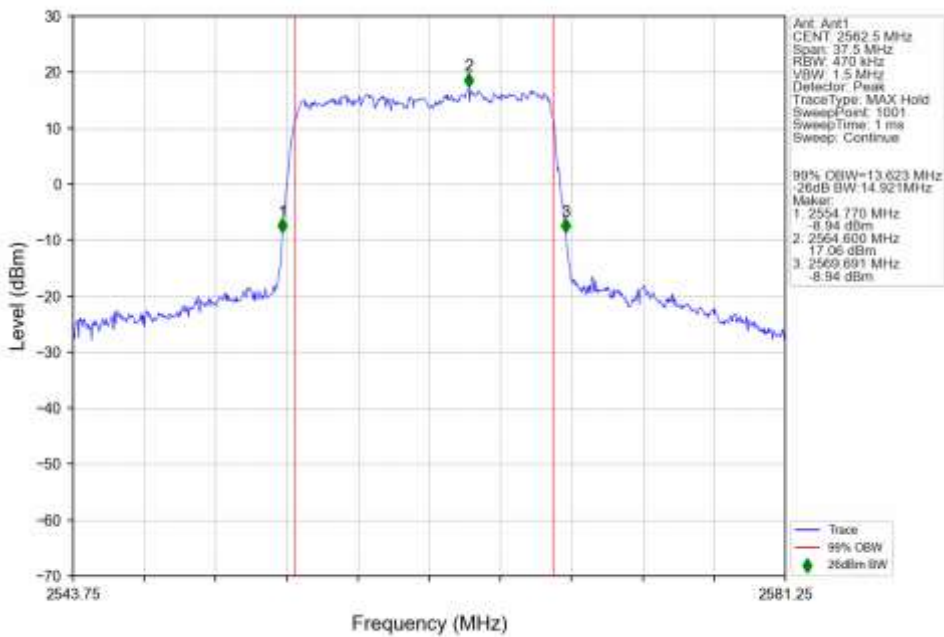
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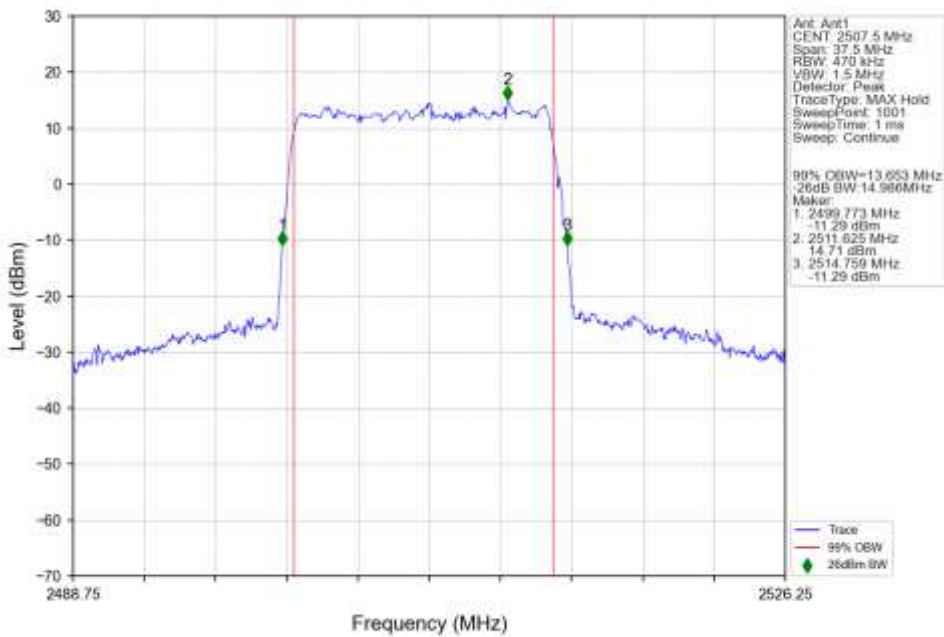
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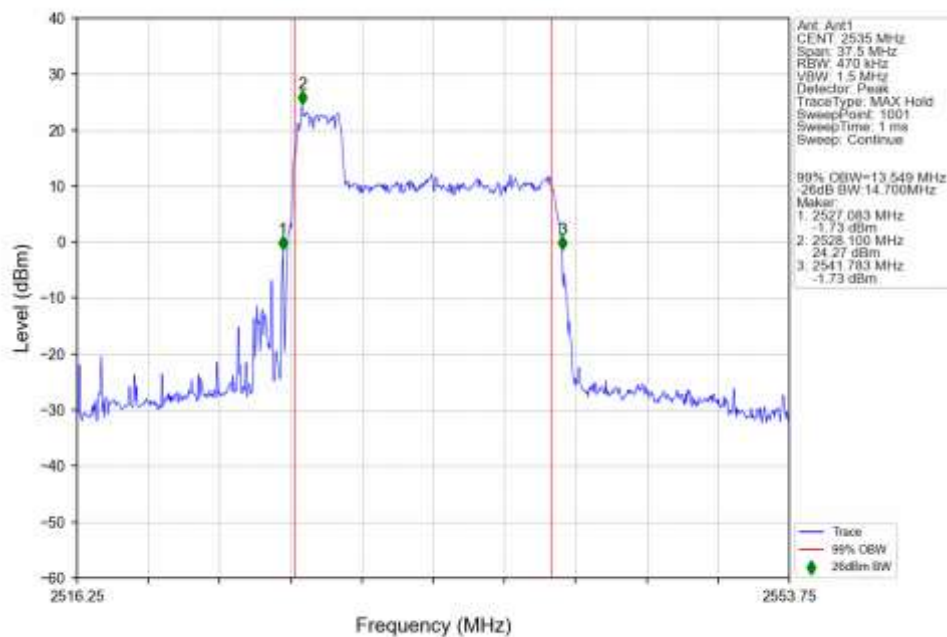
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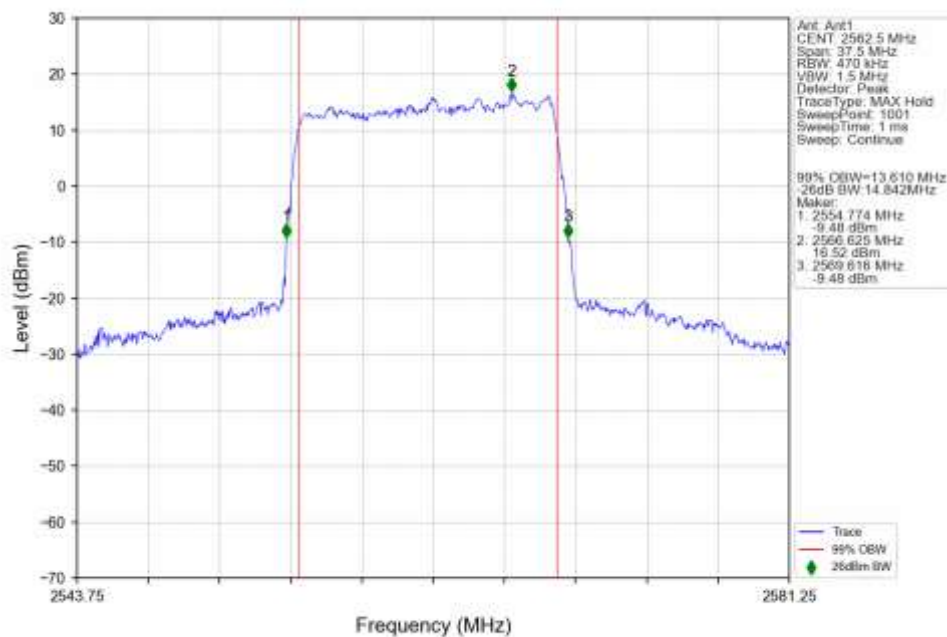
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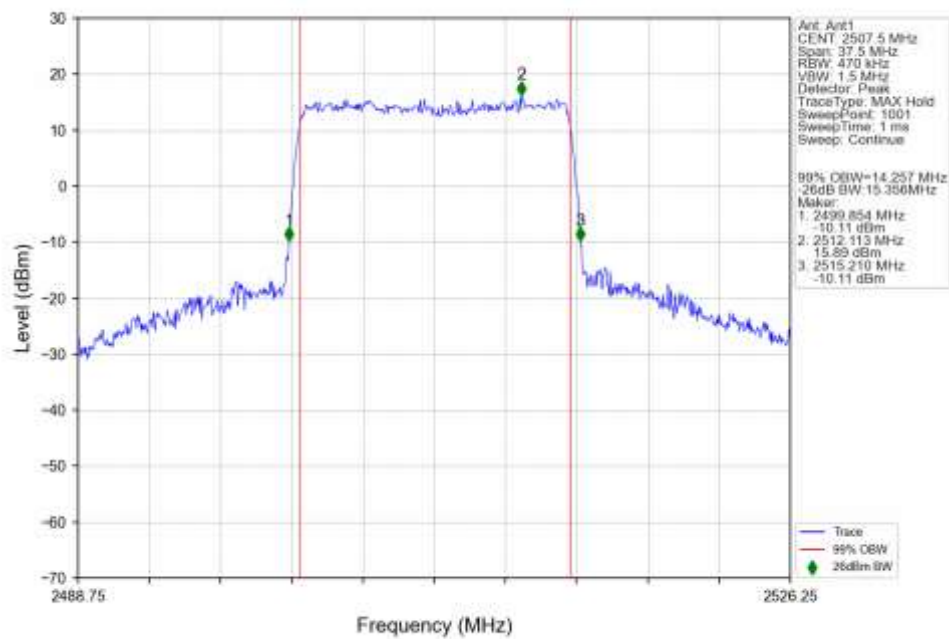
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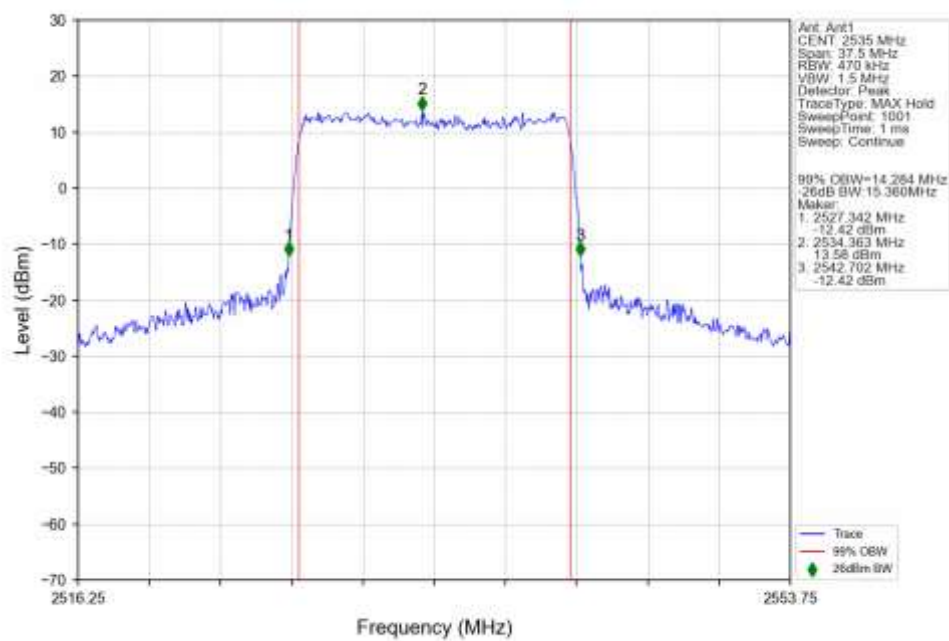
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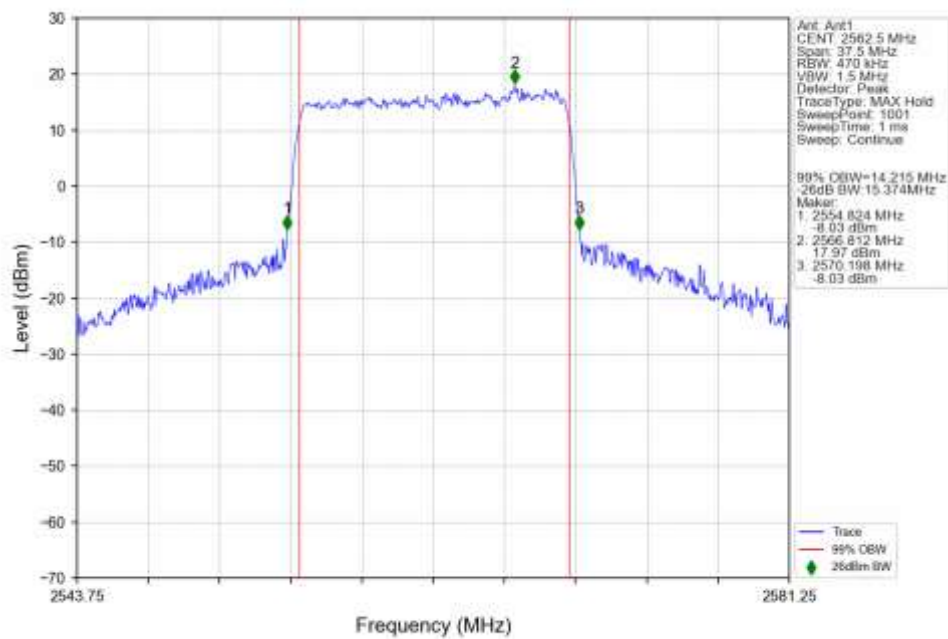
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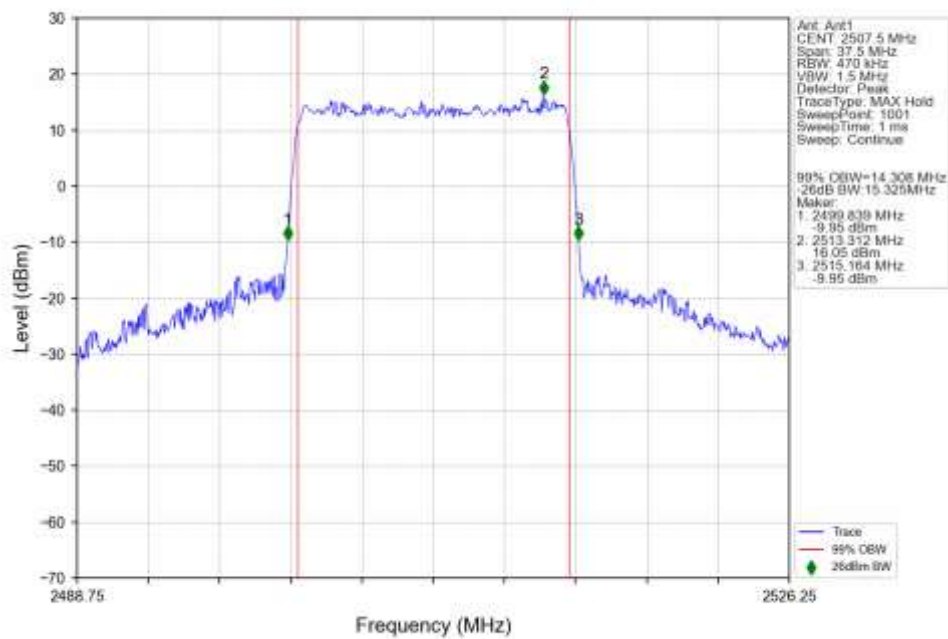
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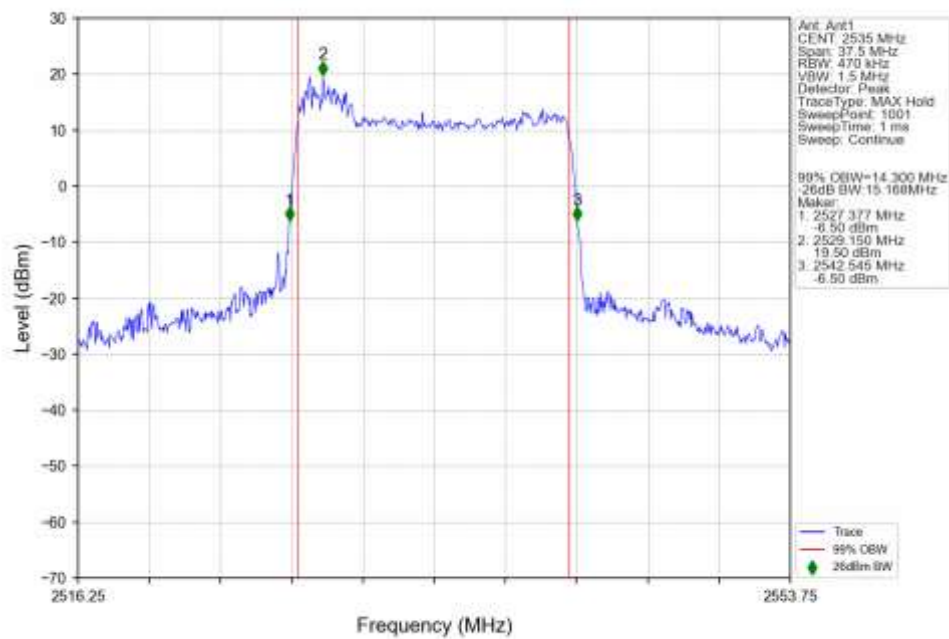
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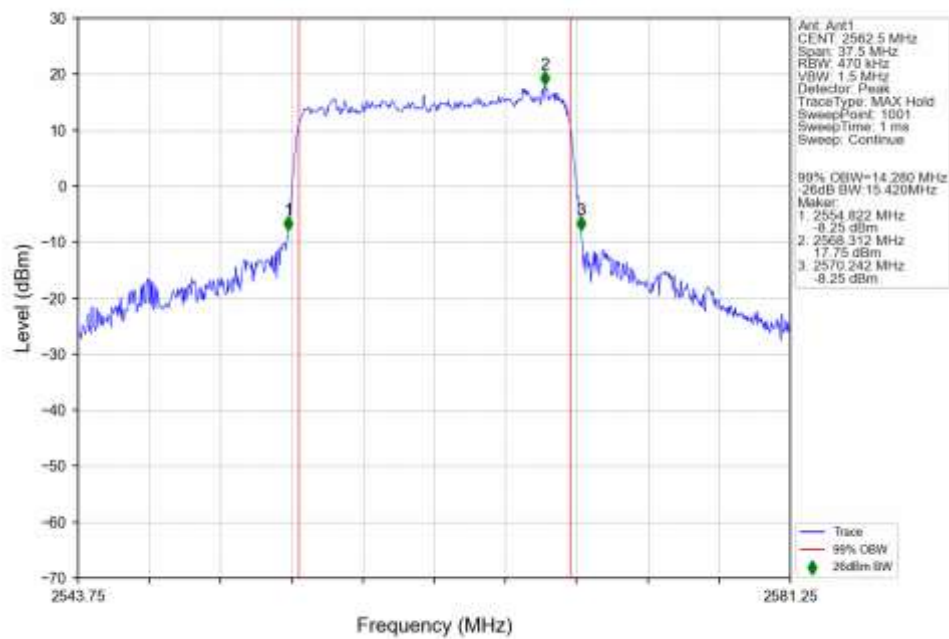
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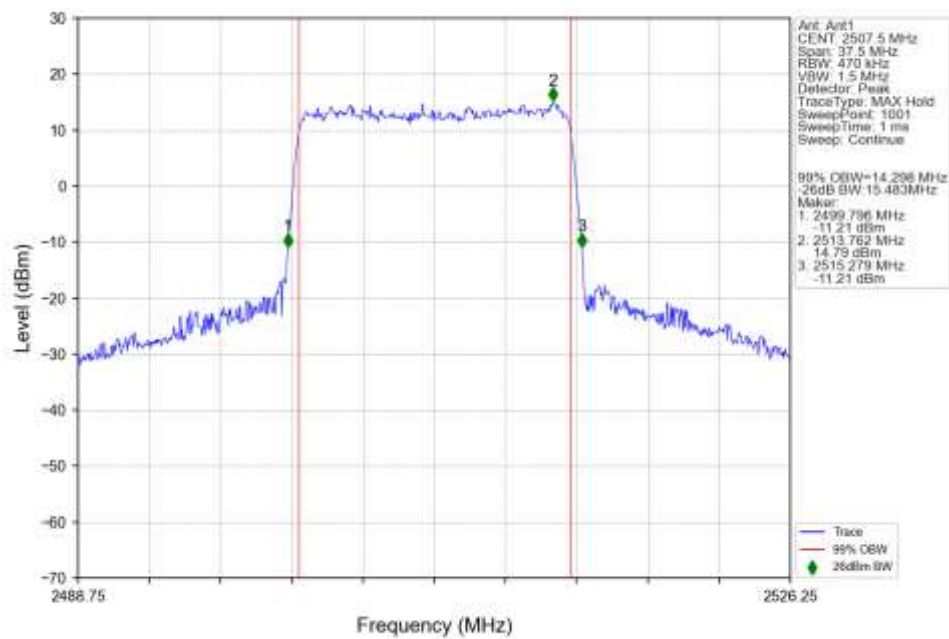
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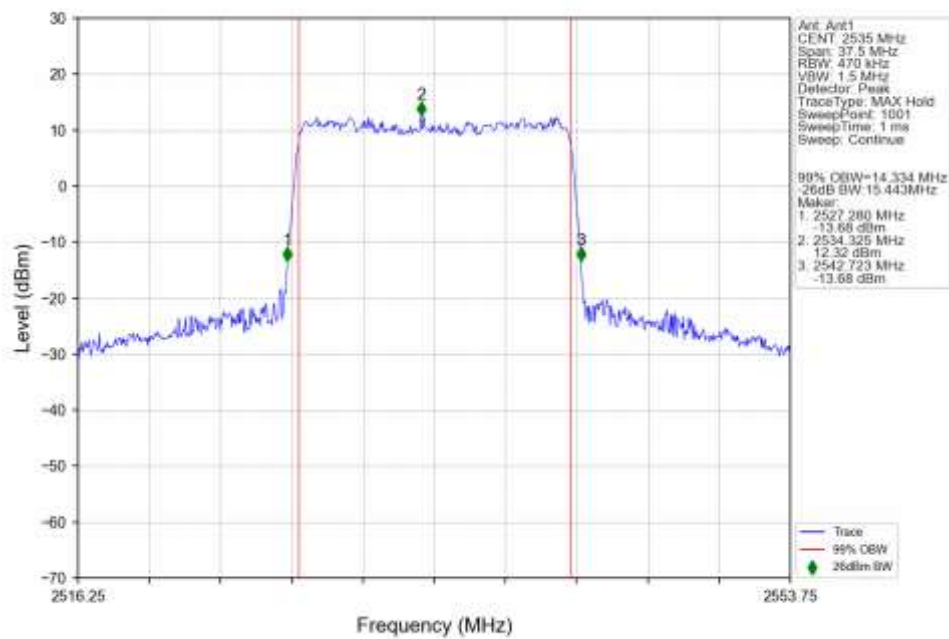
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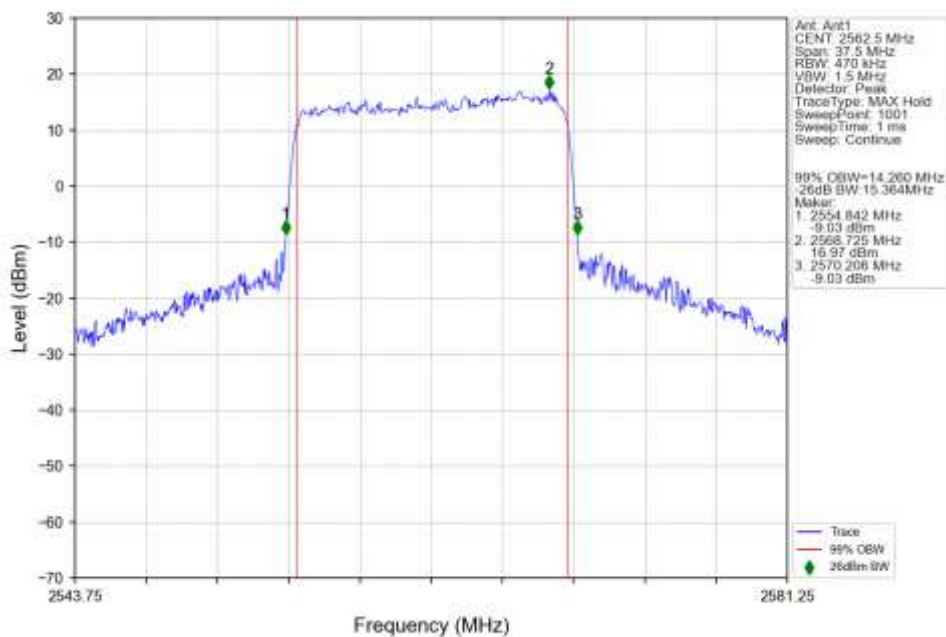
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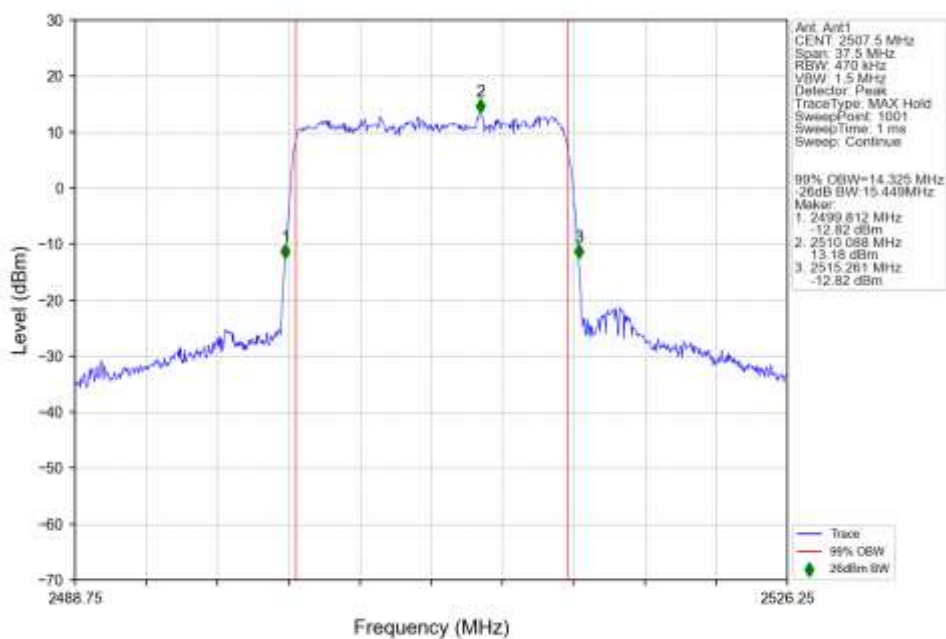
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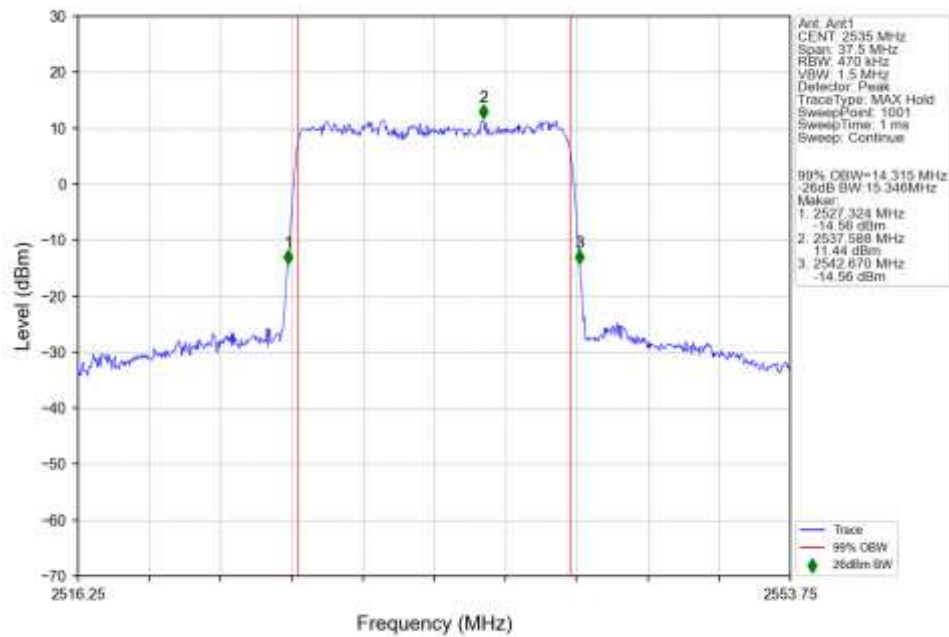
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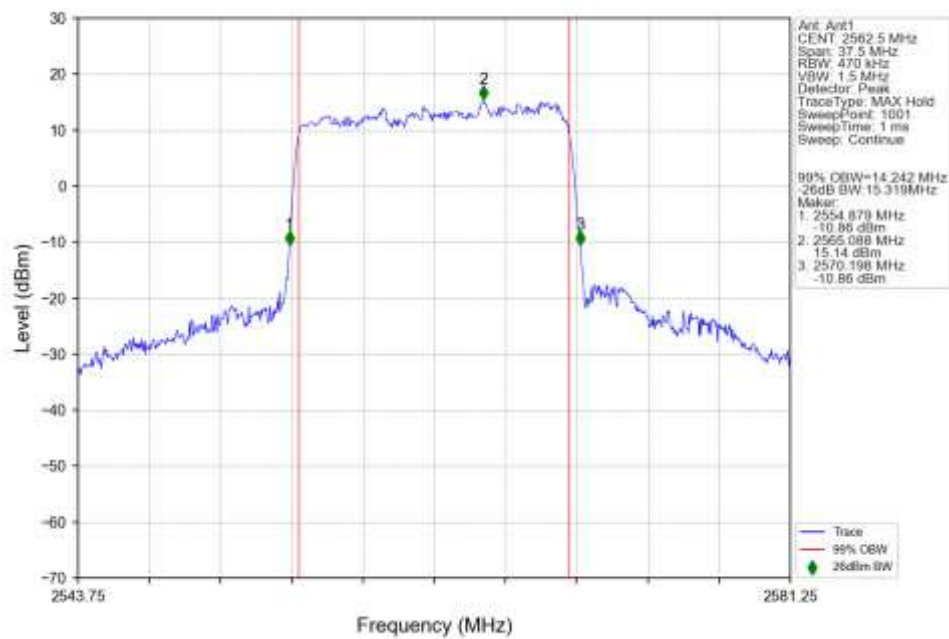
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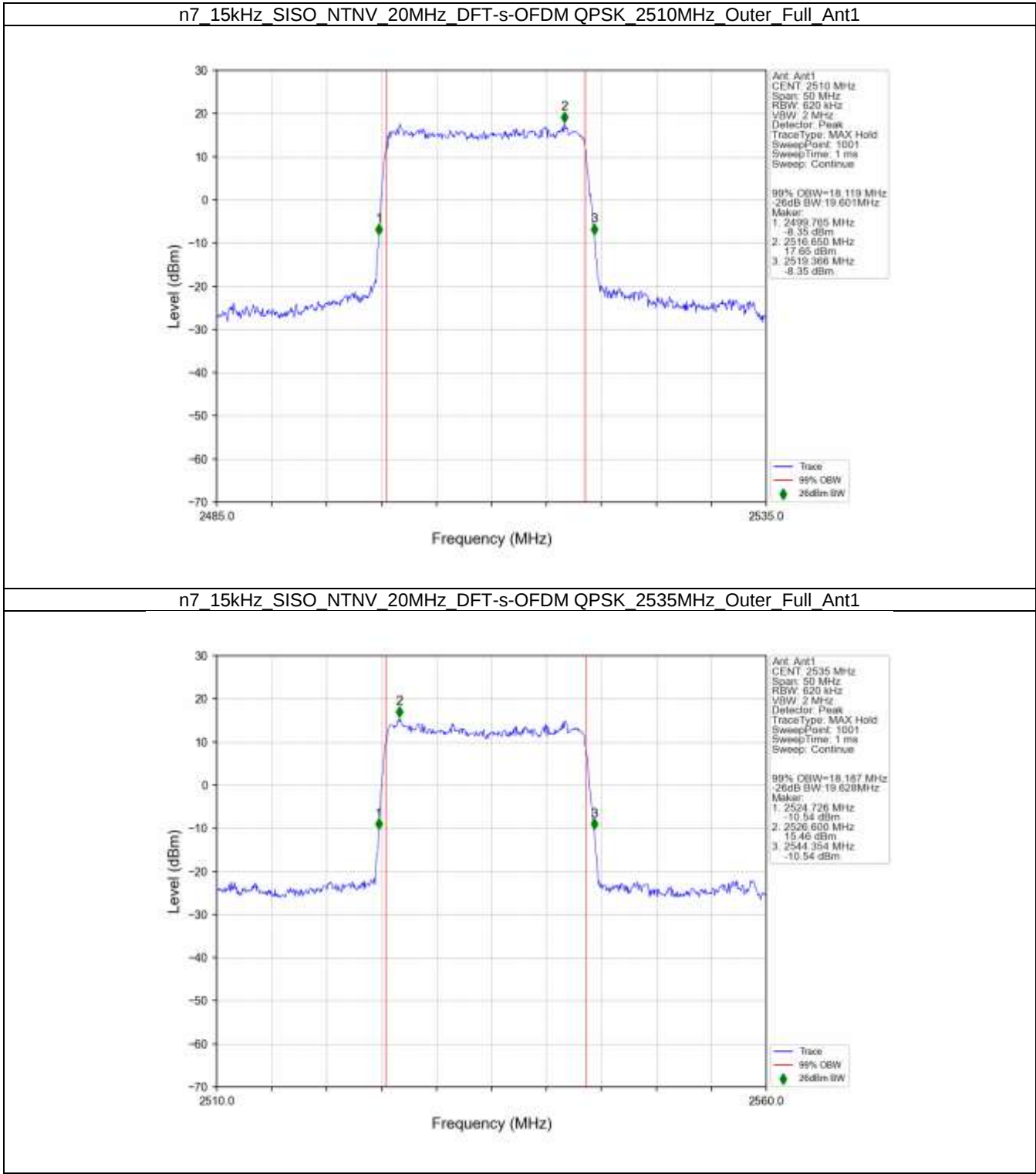
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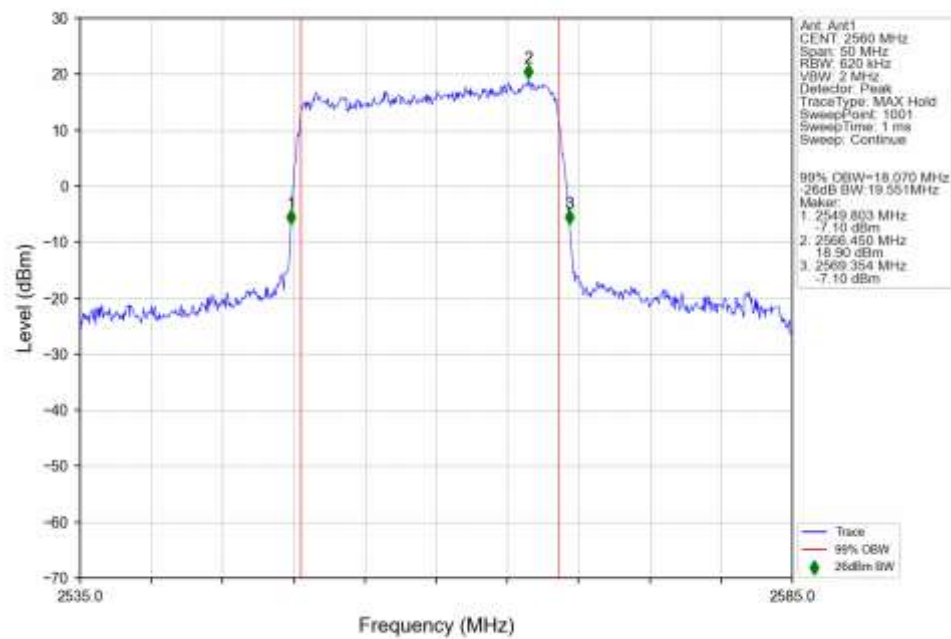
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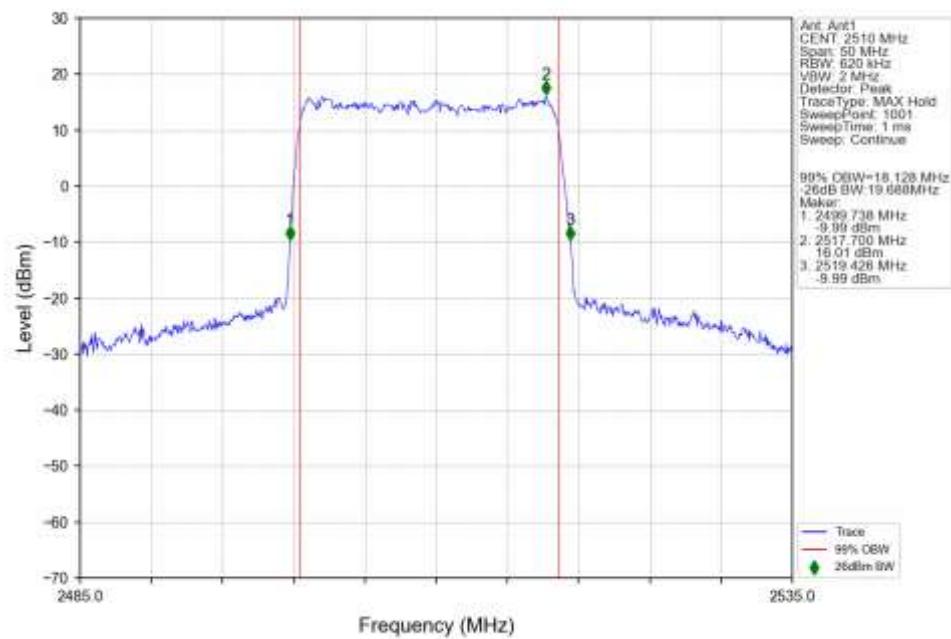
4.2.4 15k_SISO_20MHz_NTNV



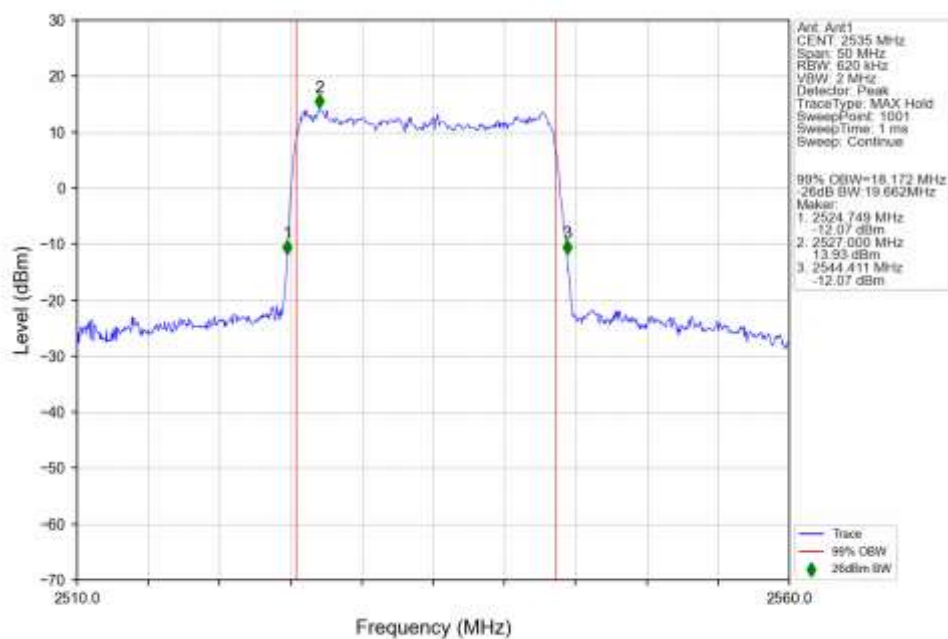
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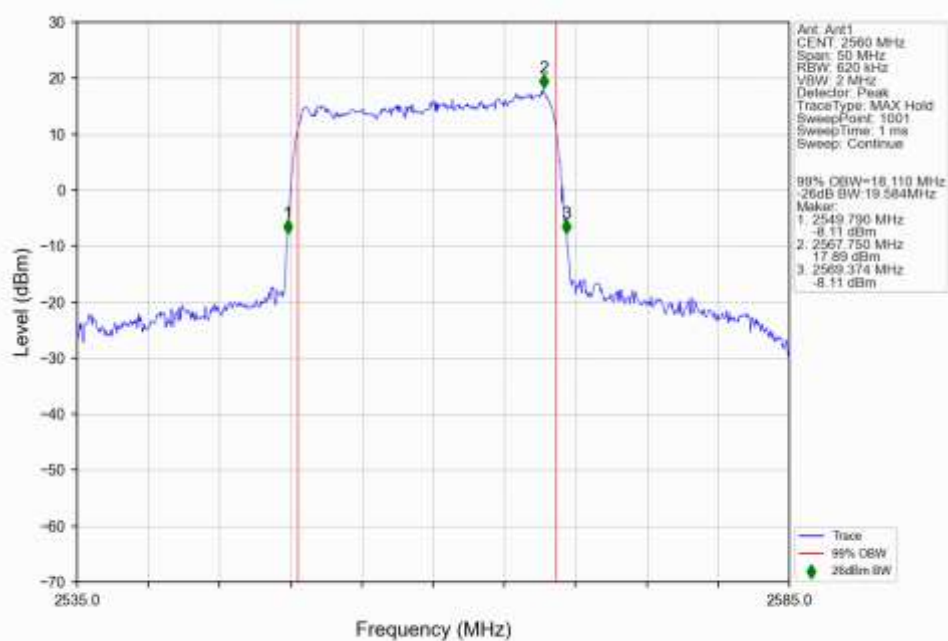
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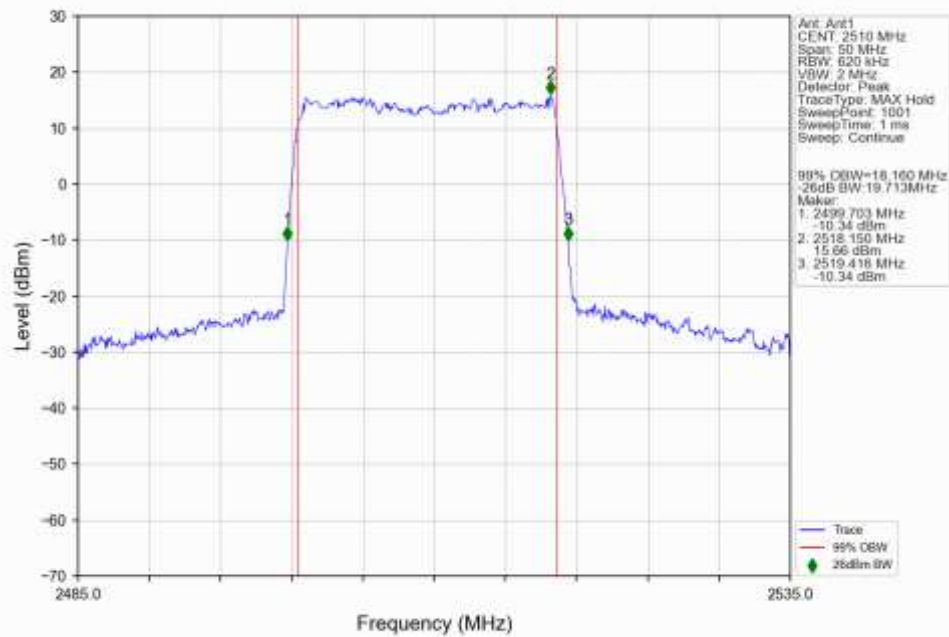
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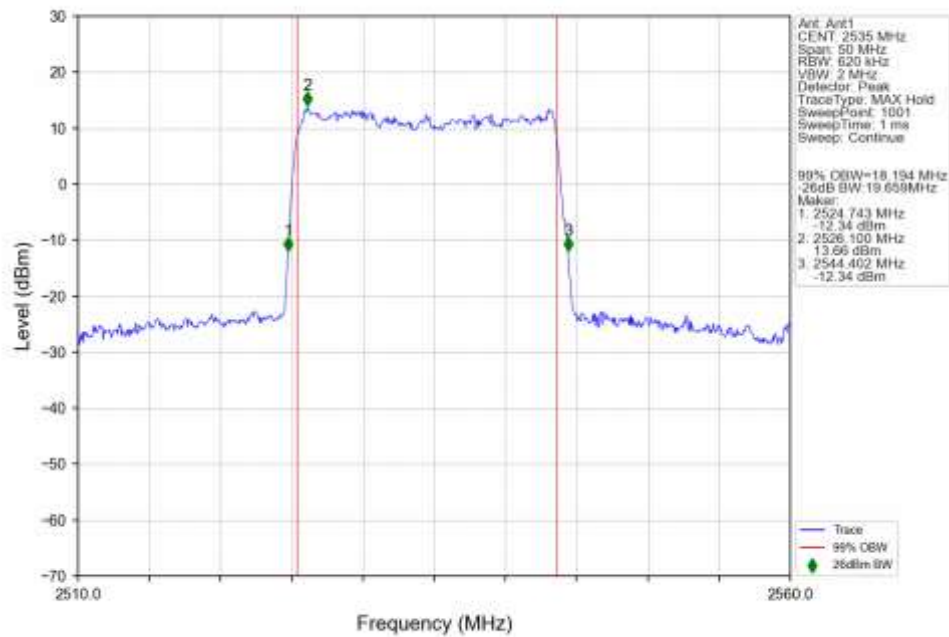
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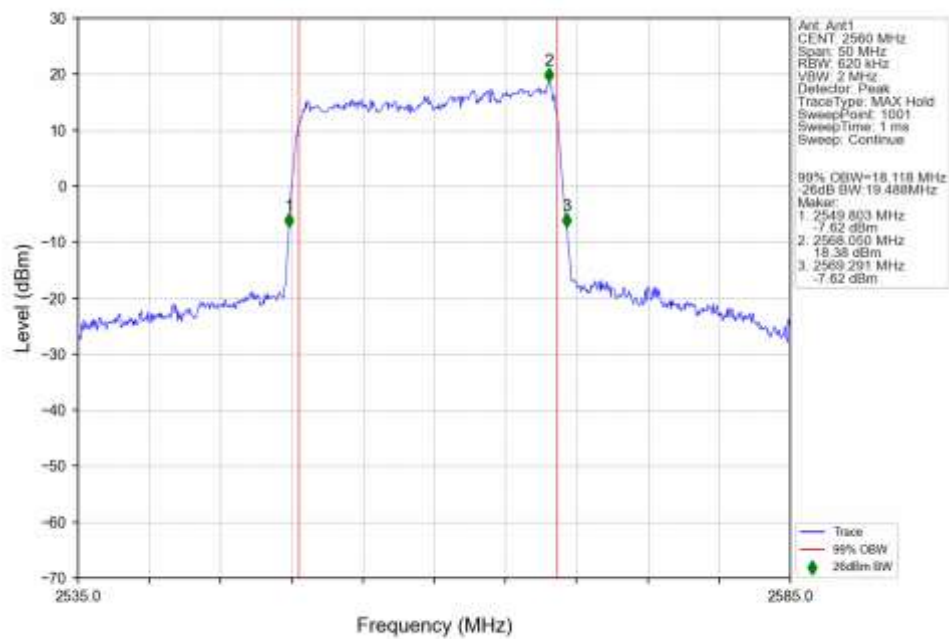
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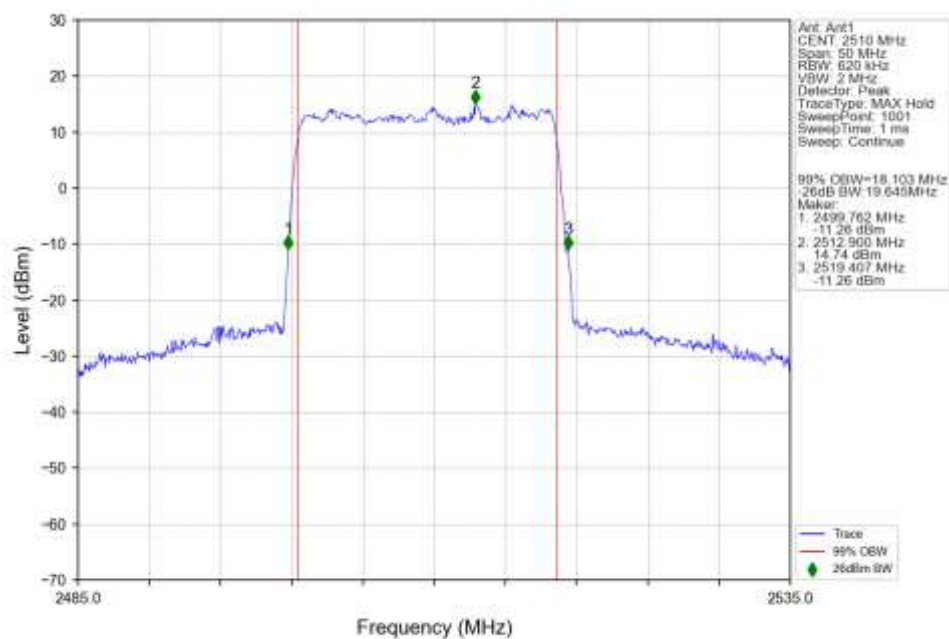
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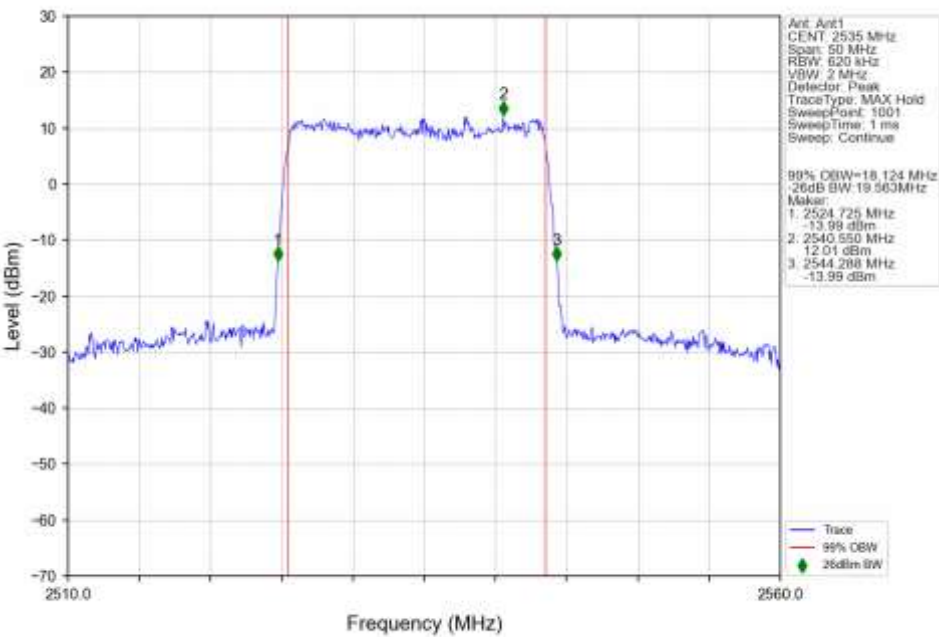
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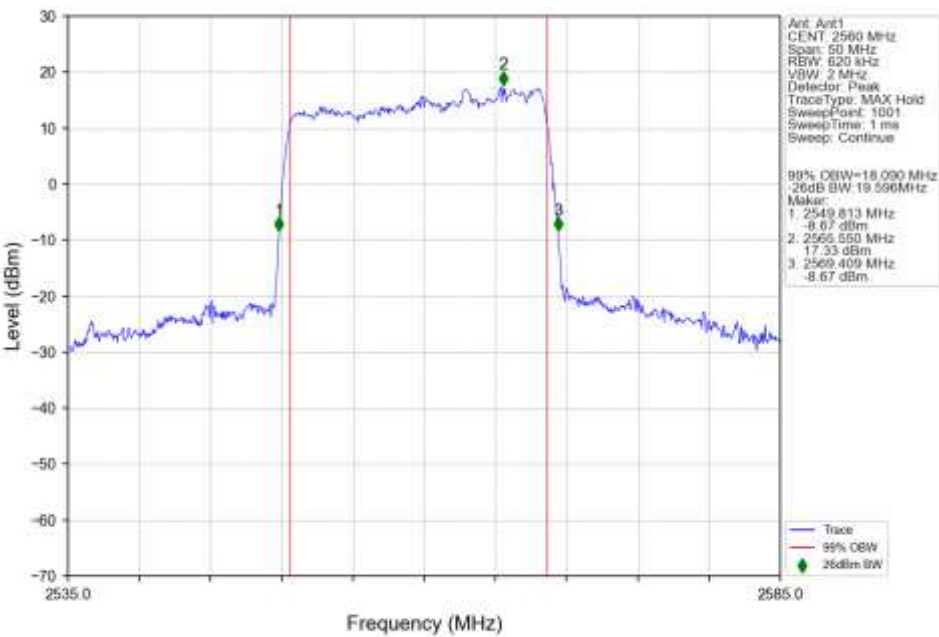
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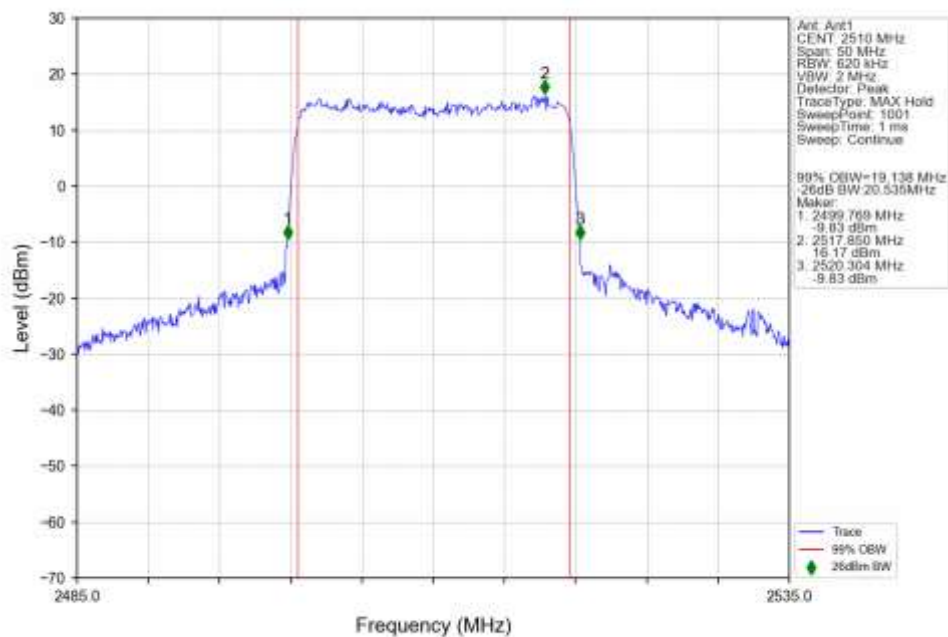
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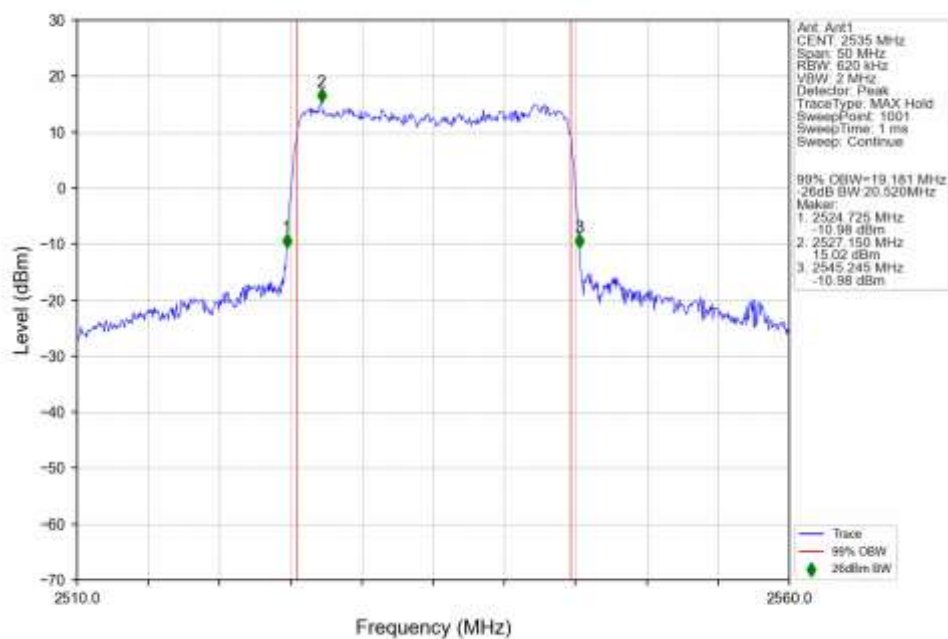
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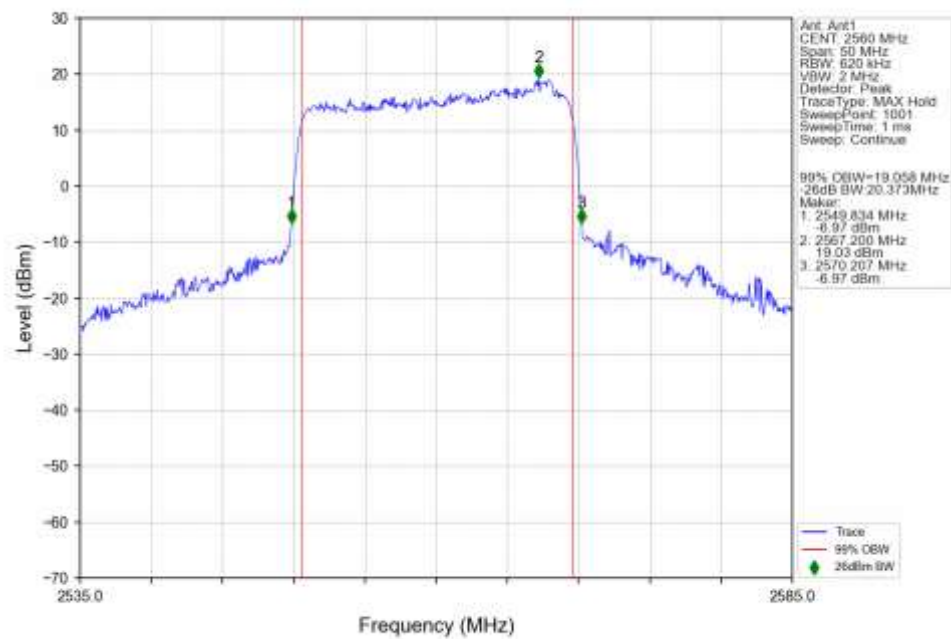
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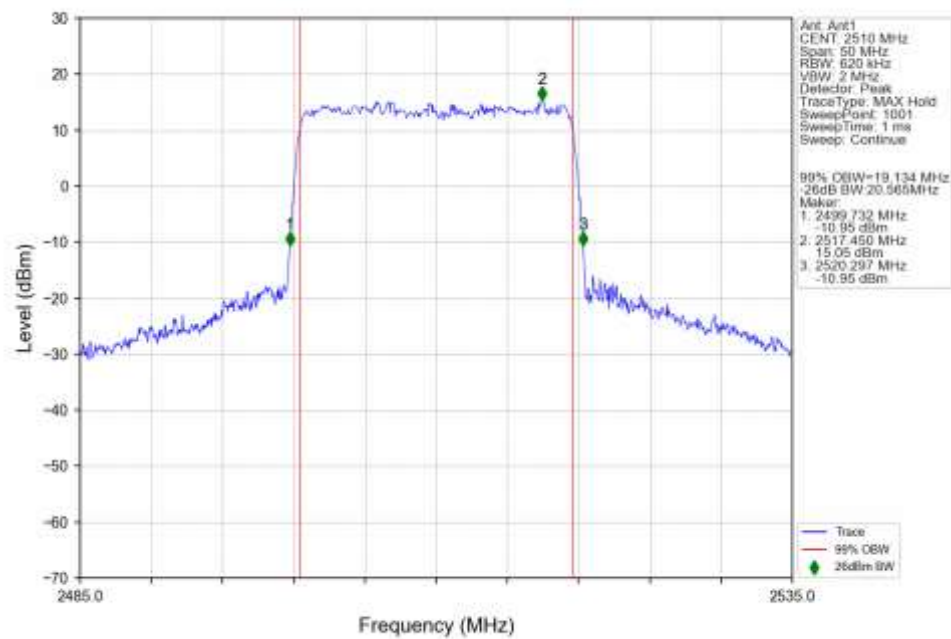
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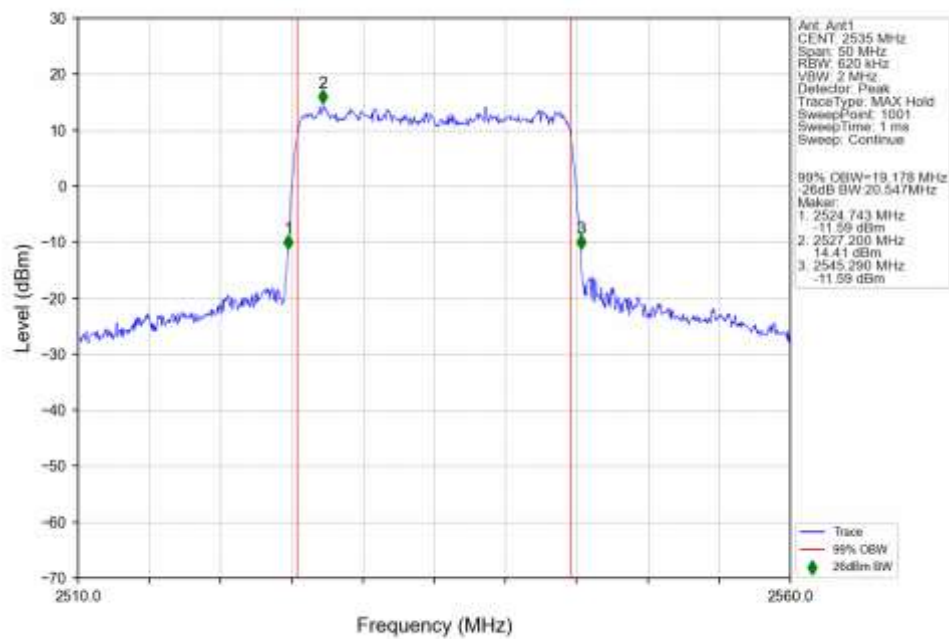
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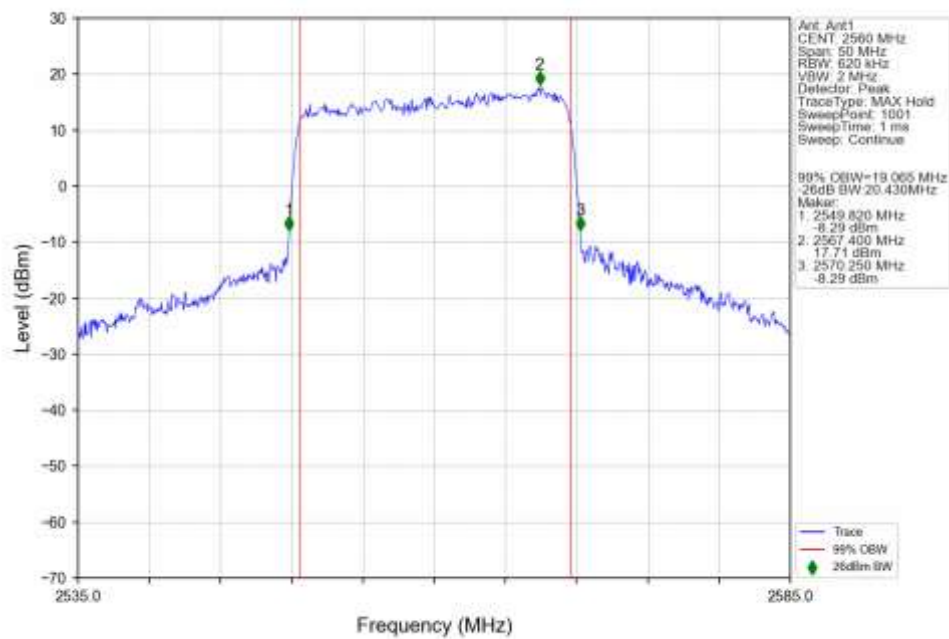
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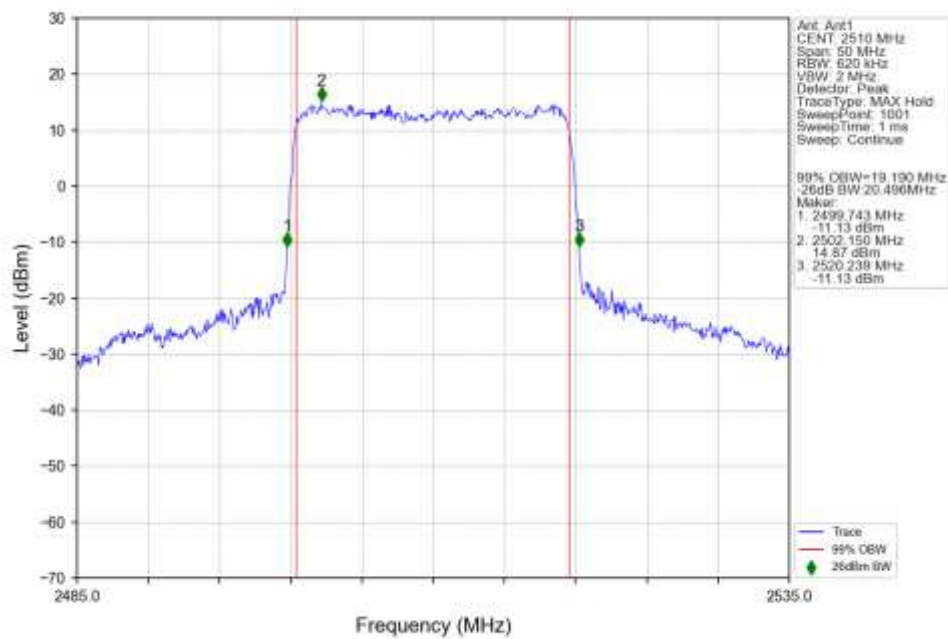
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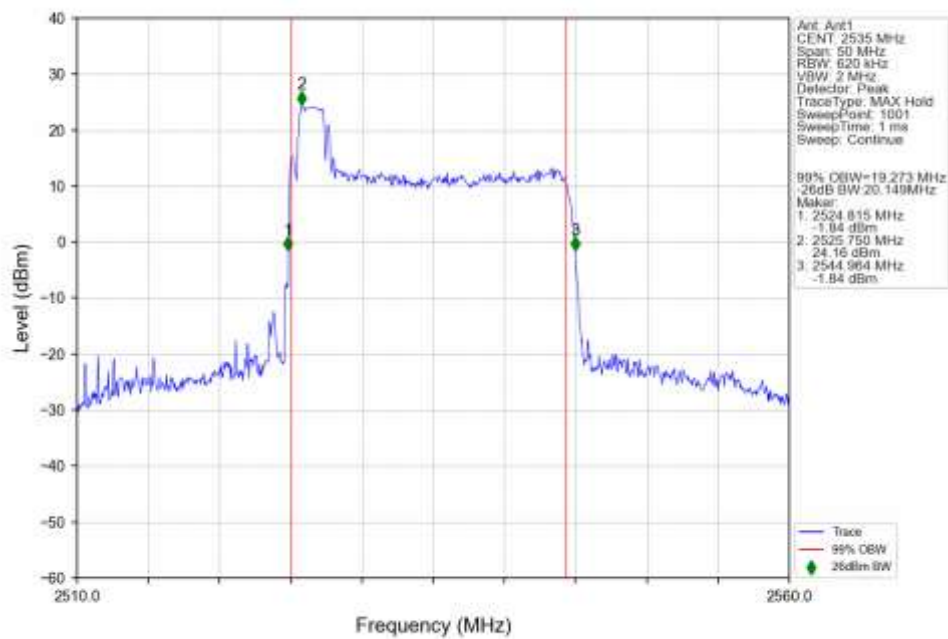
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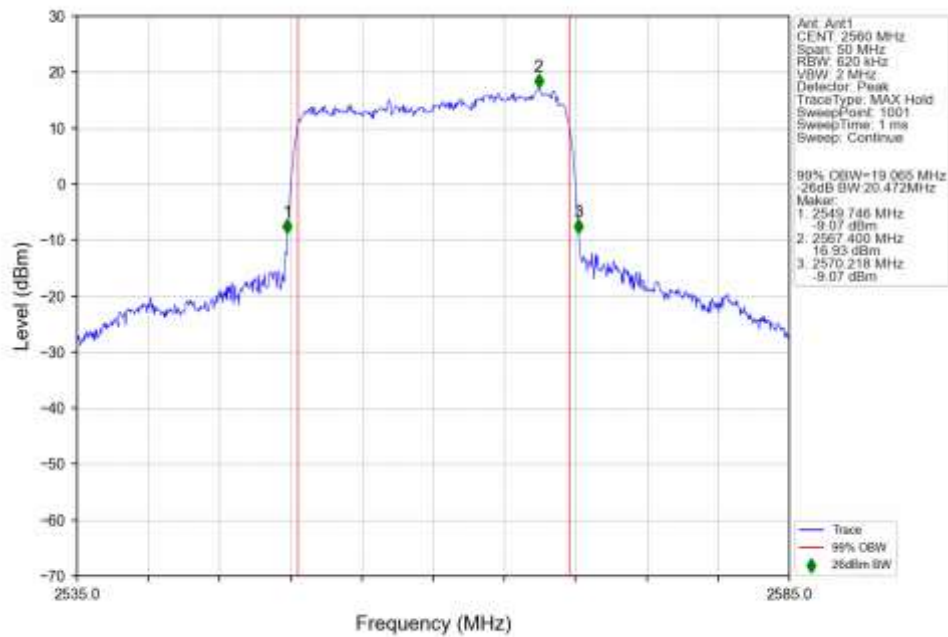
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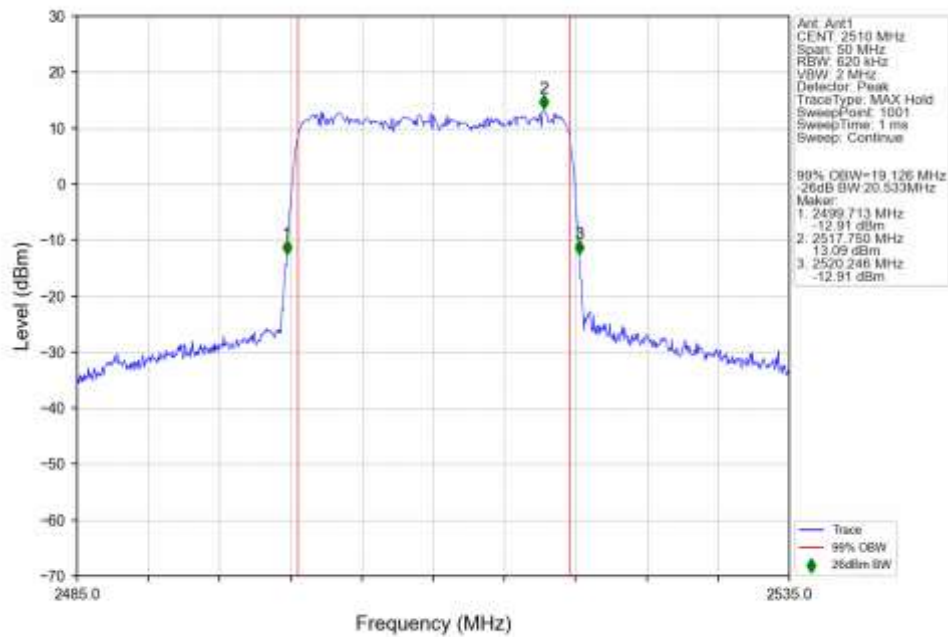
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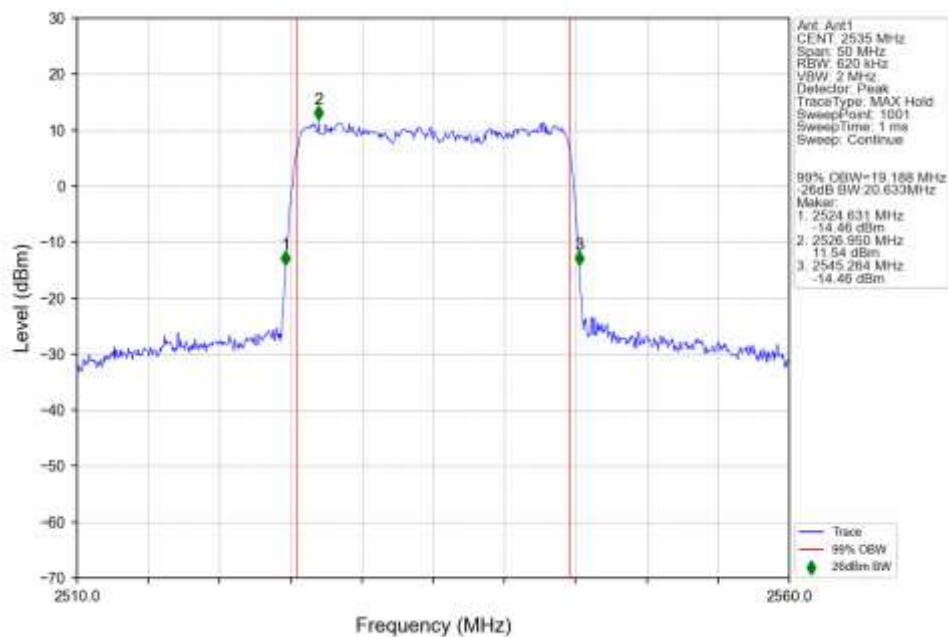
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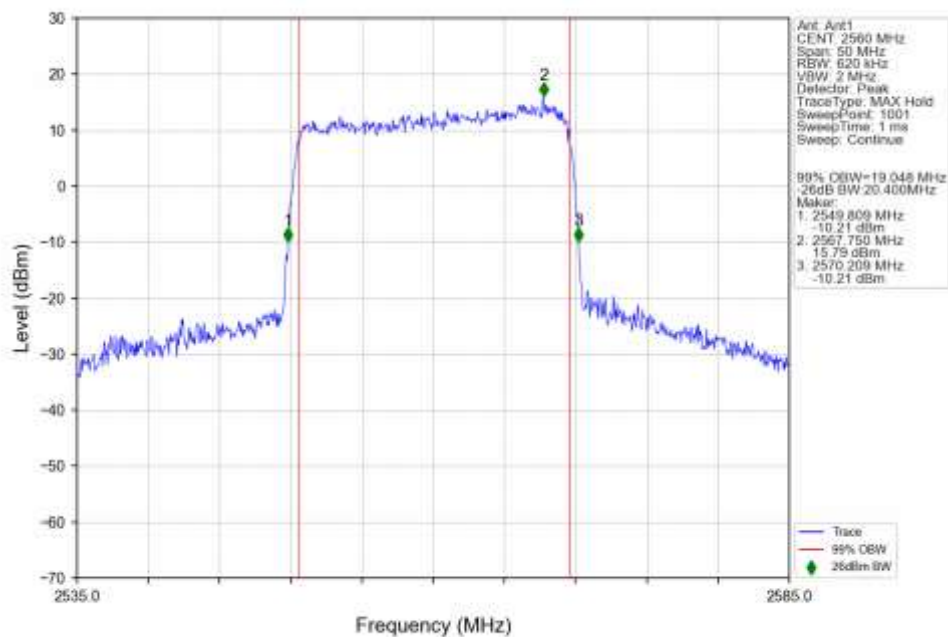
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n7_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1

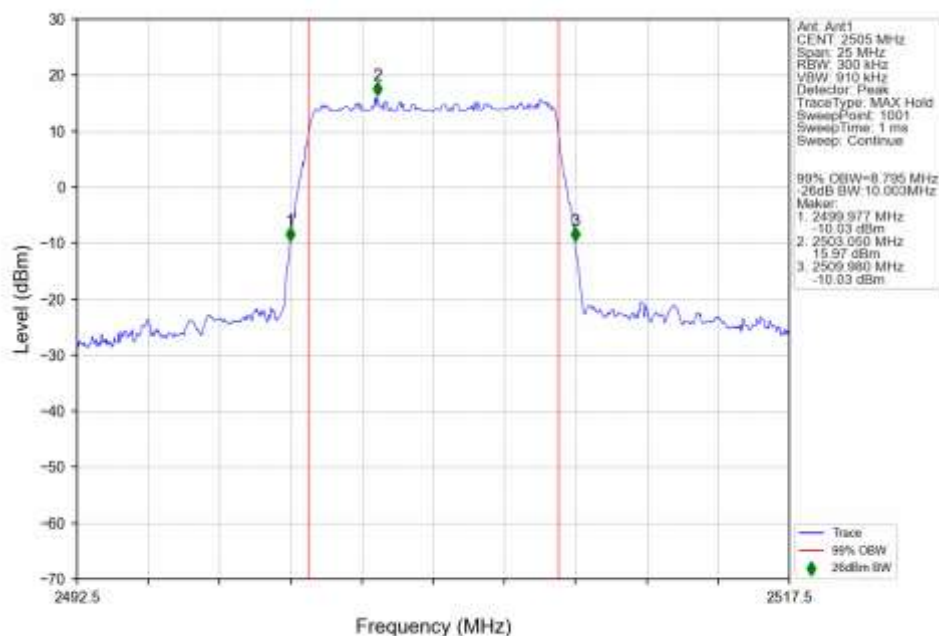


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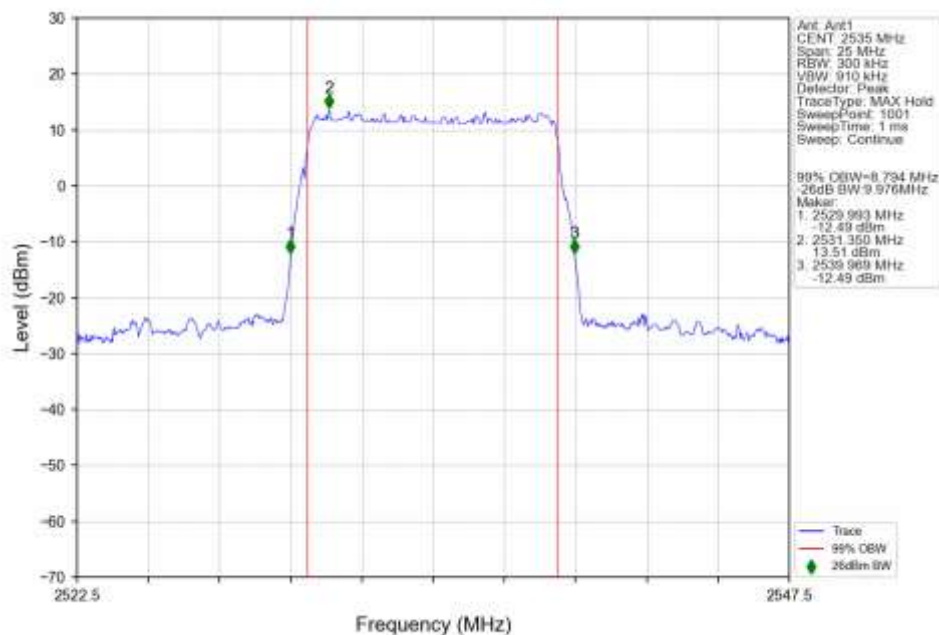


4.2.5 30k_SISO_10MHz_NTNV

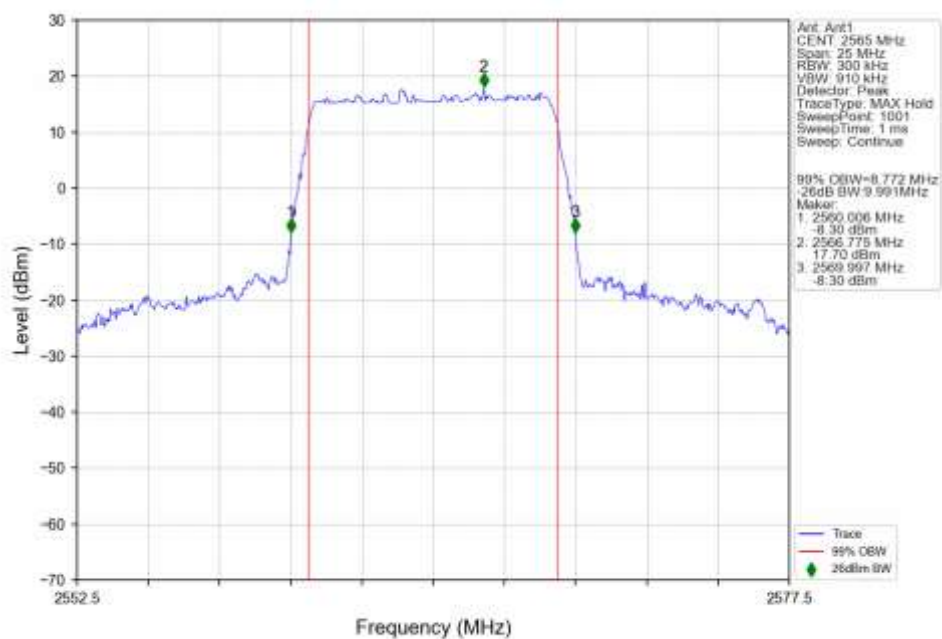
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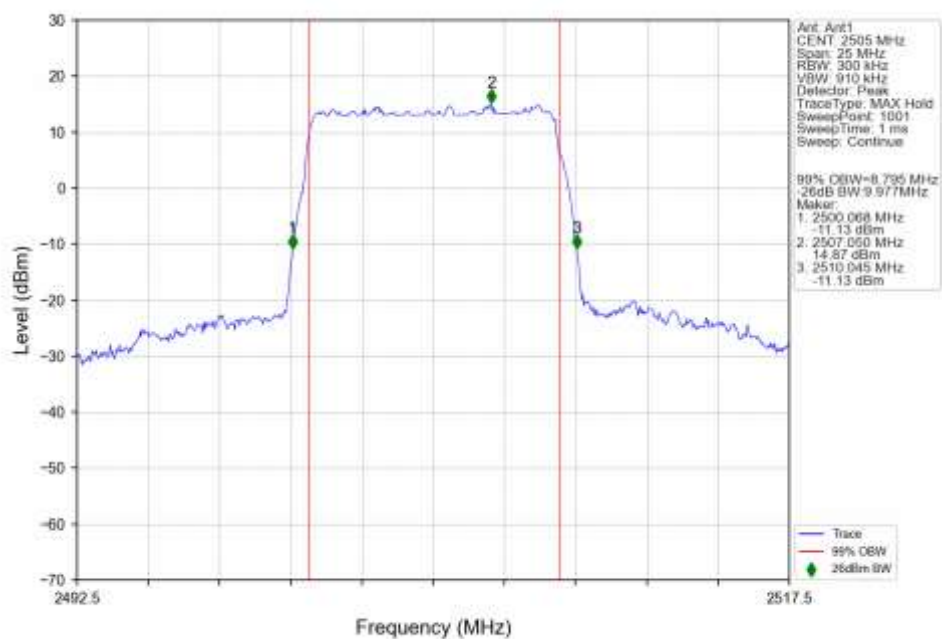
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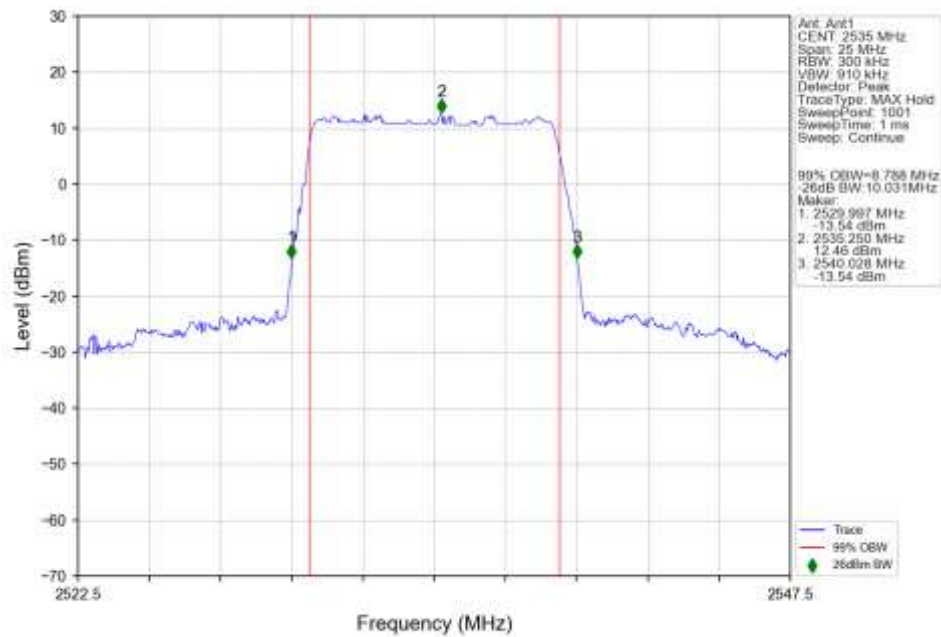
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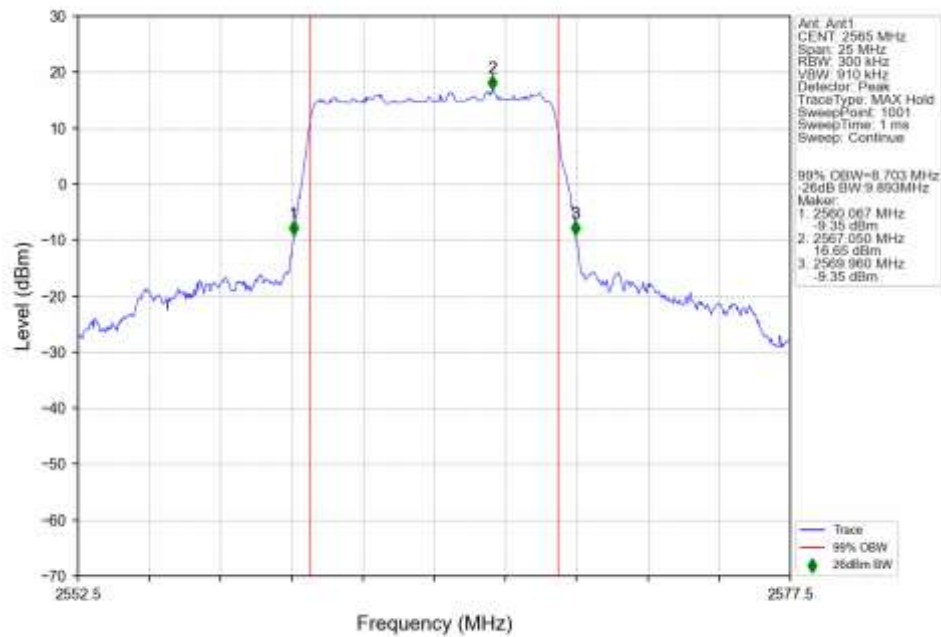
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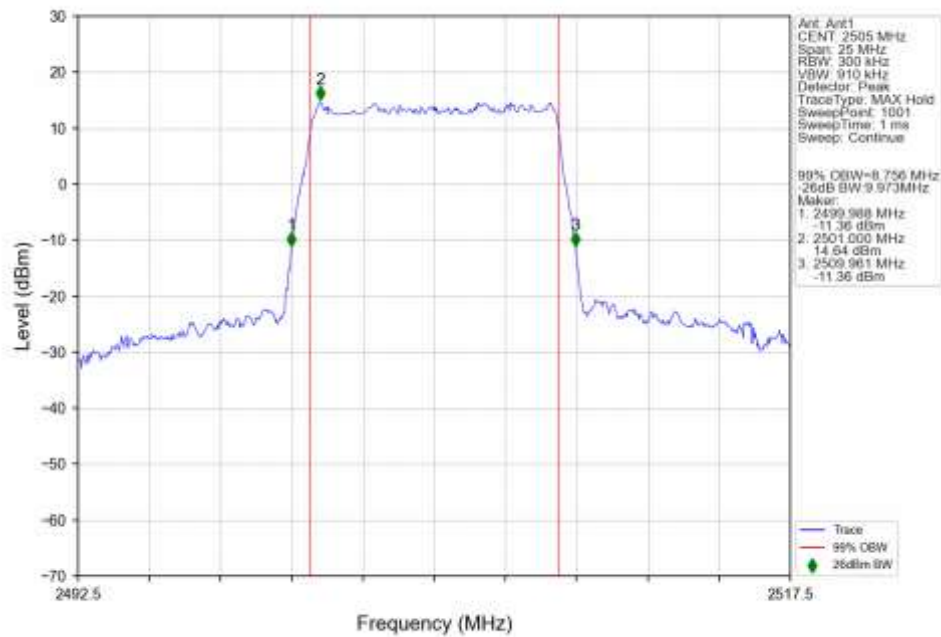
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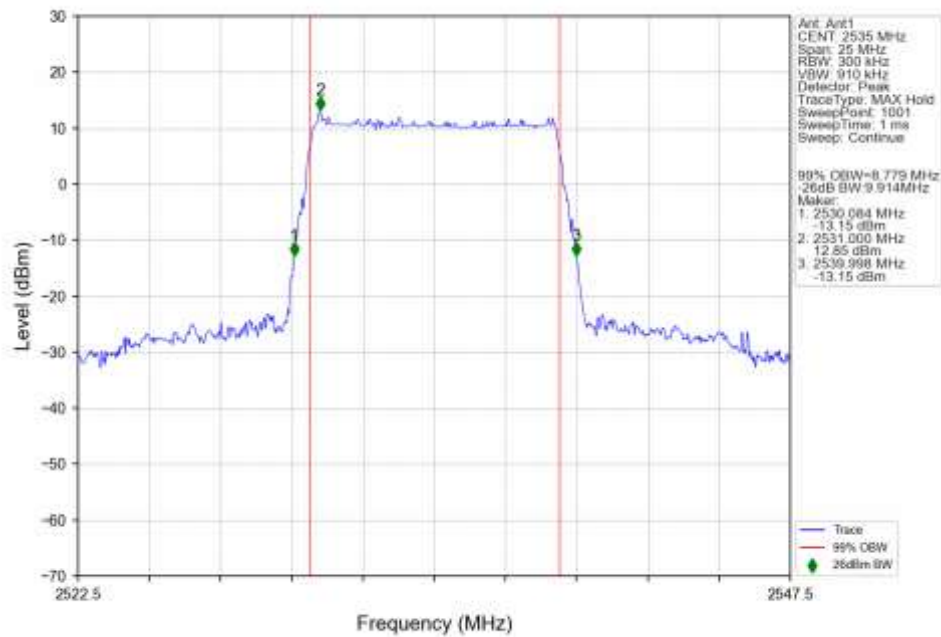
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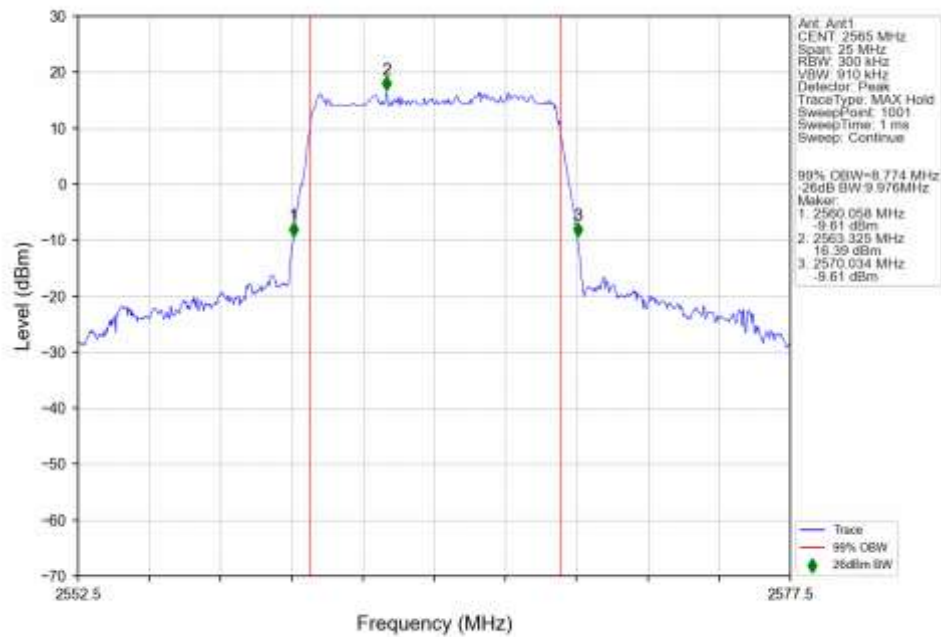
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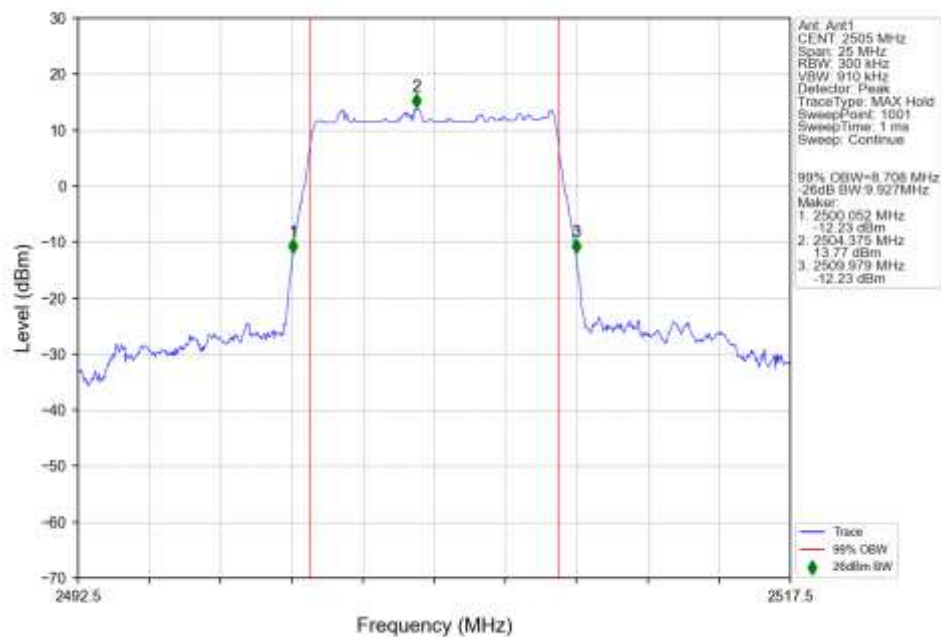
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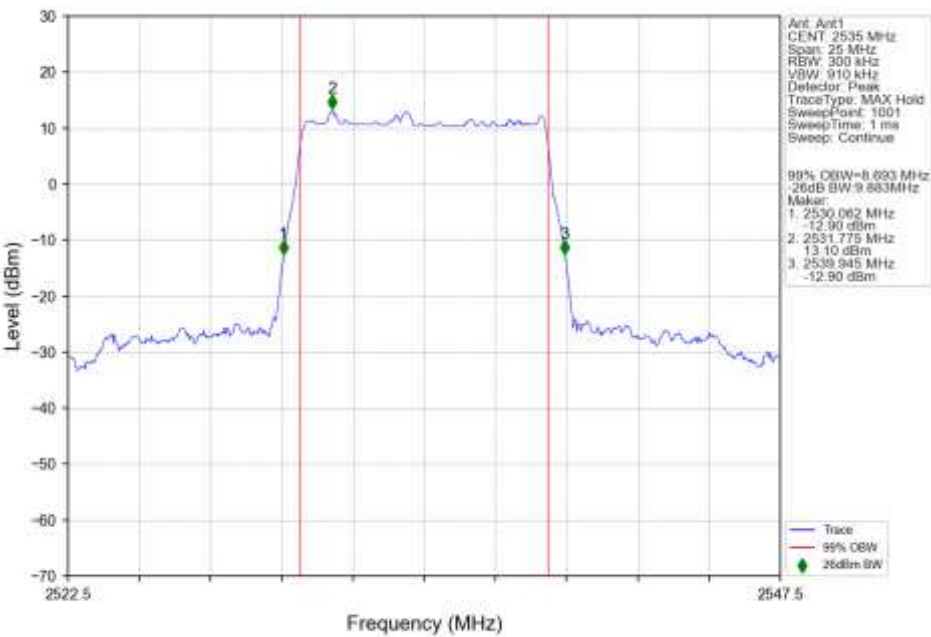
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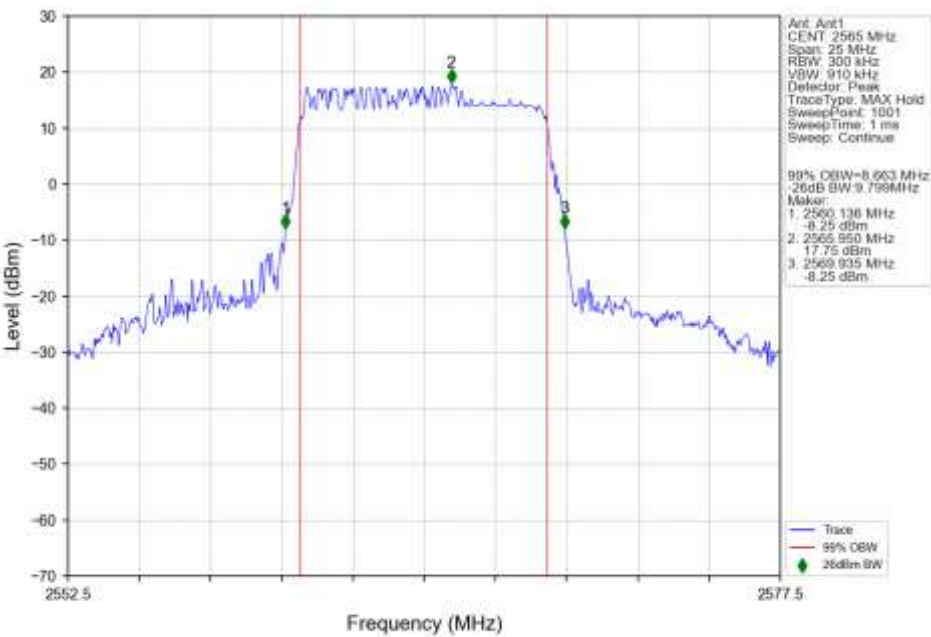
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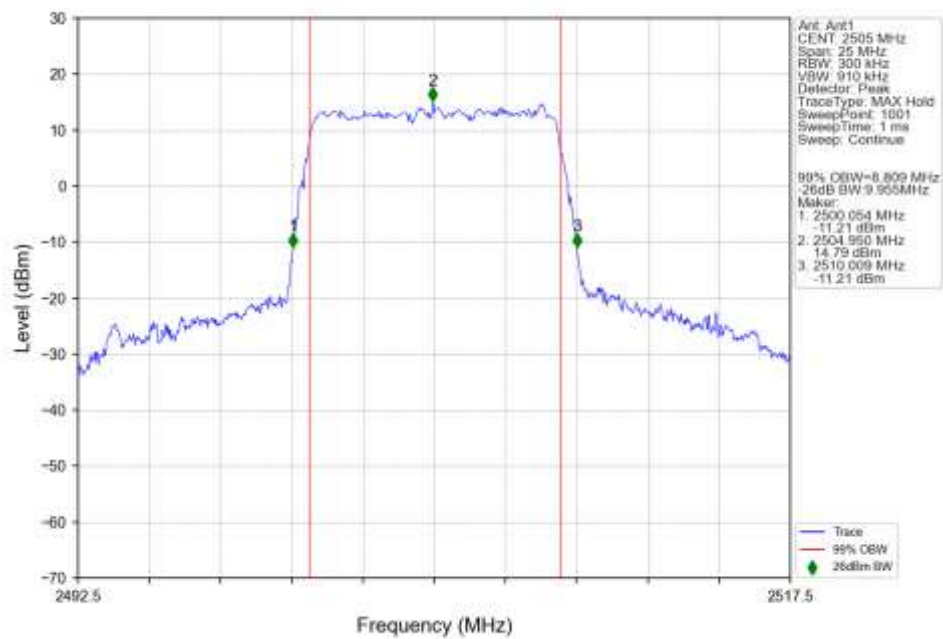
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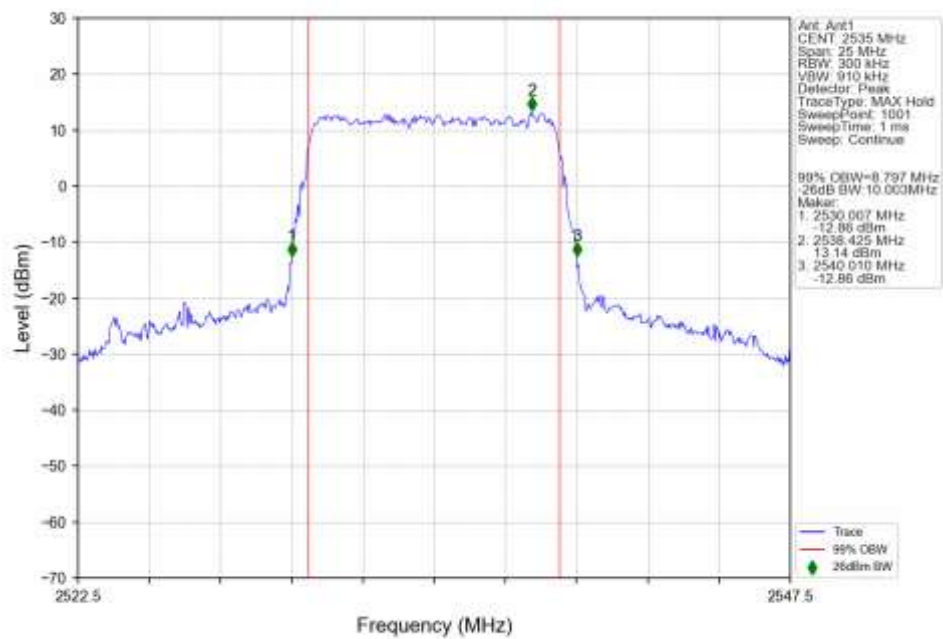
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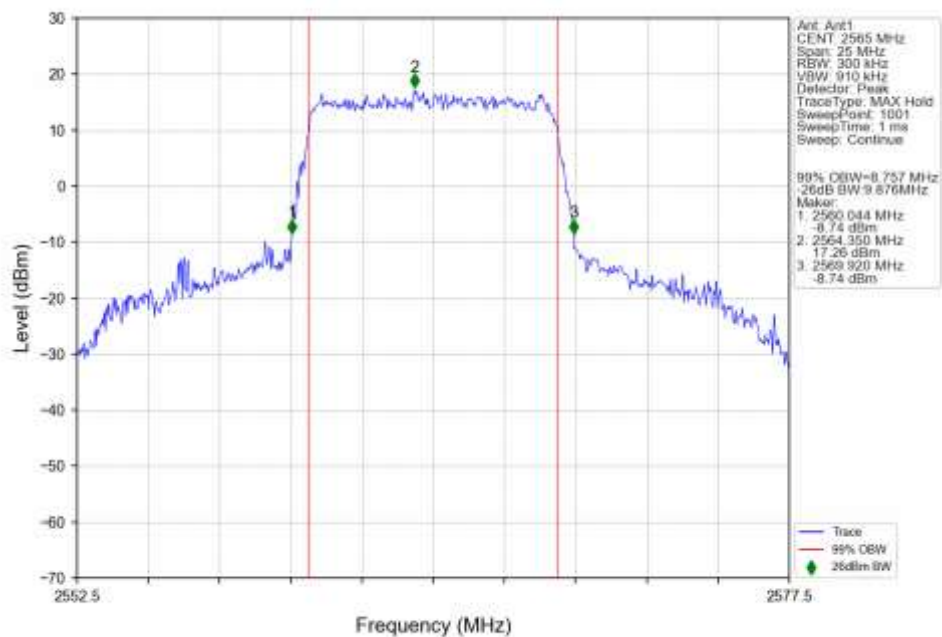
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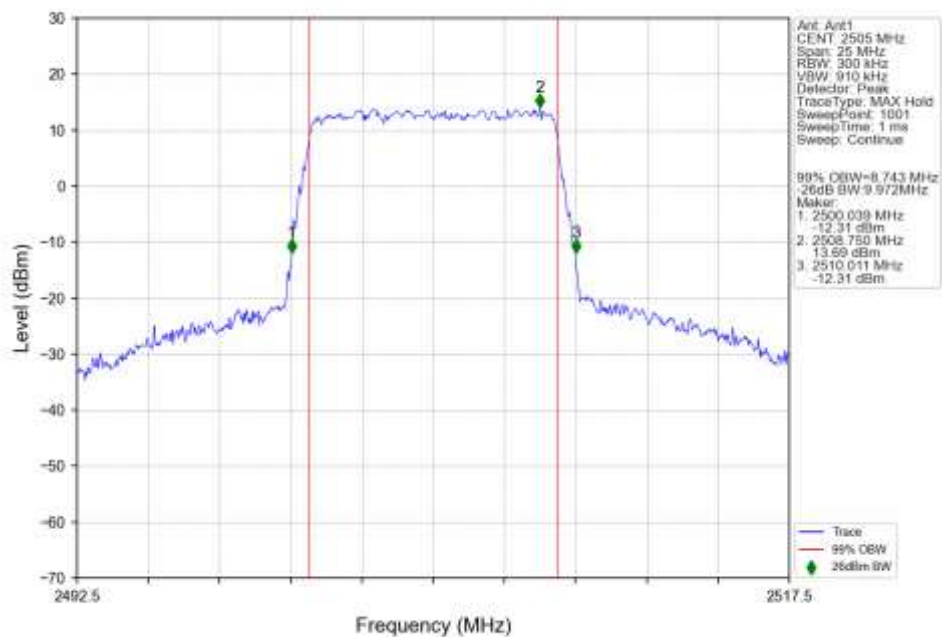
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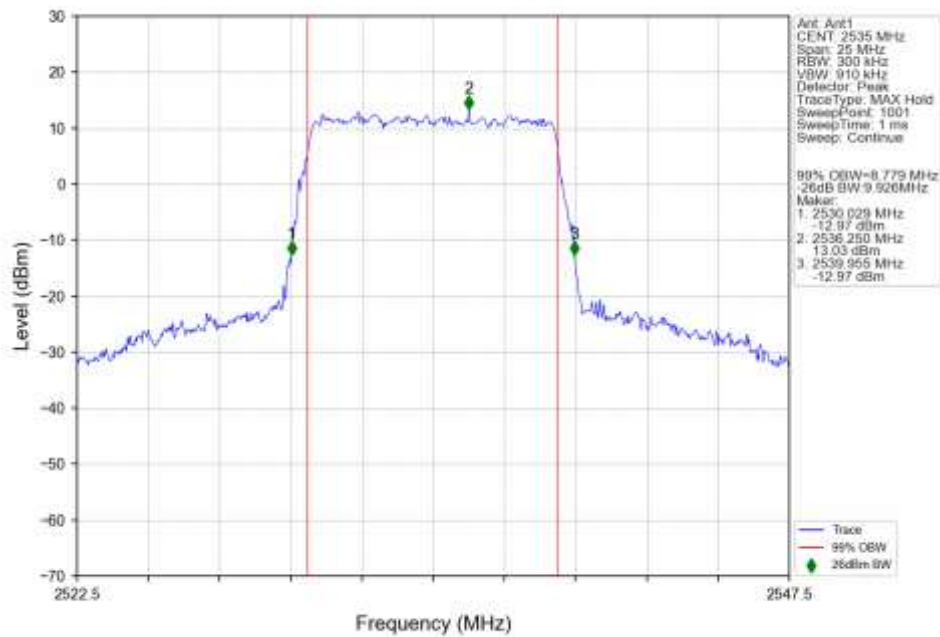
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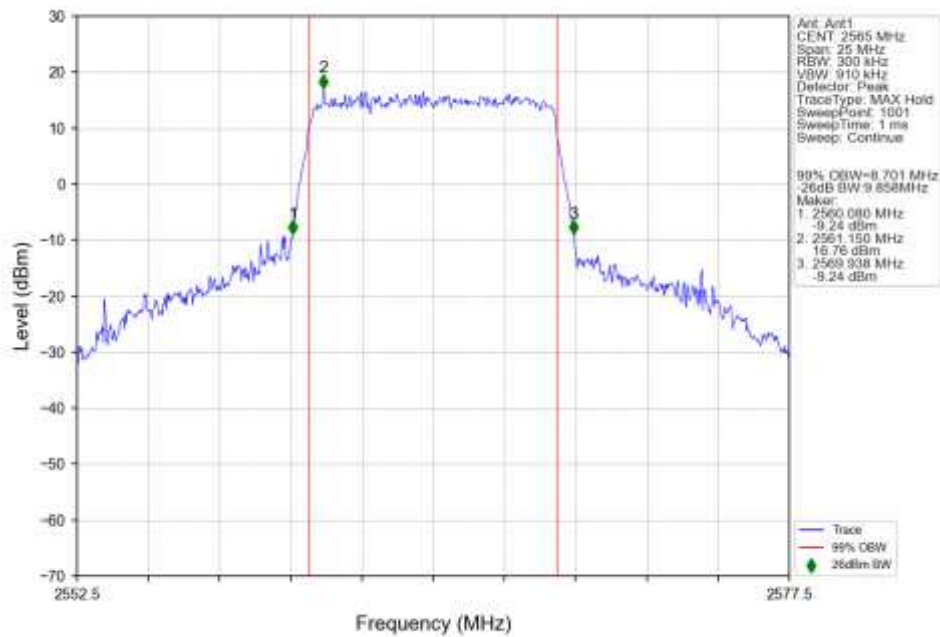
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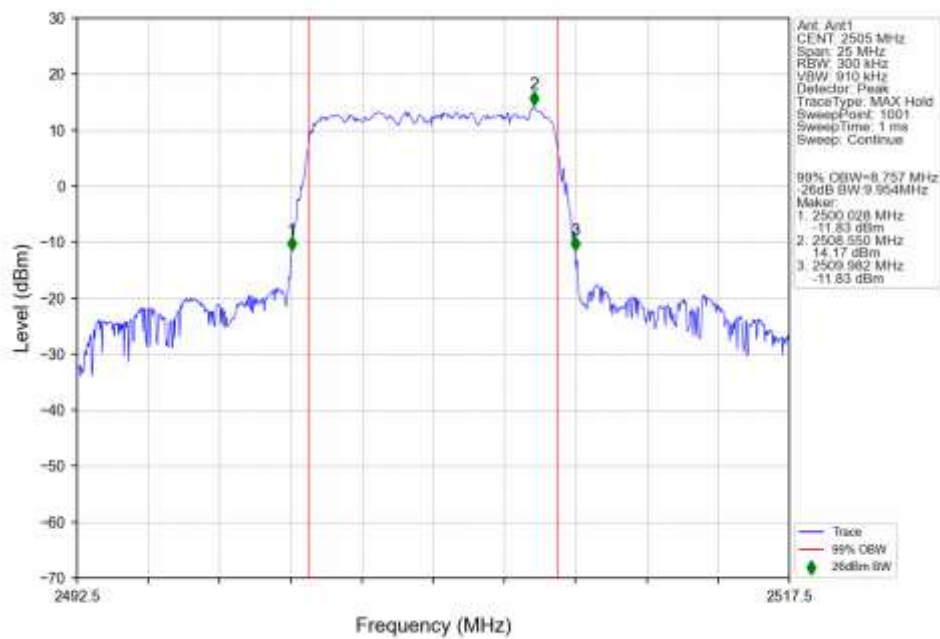
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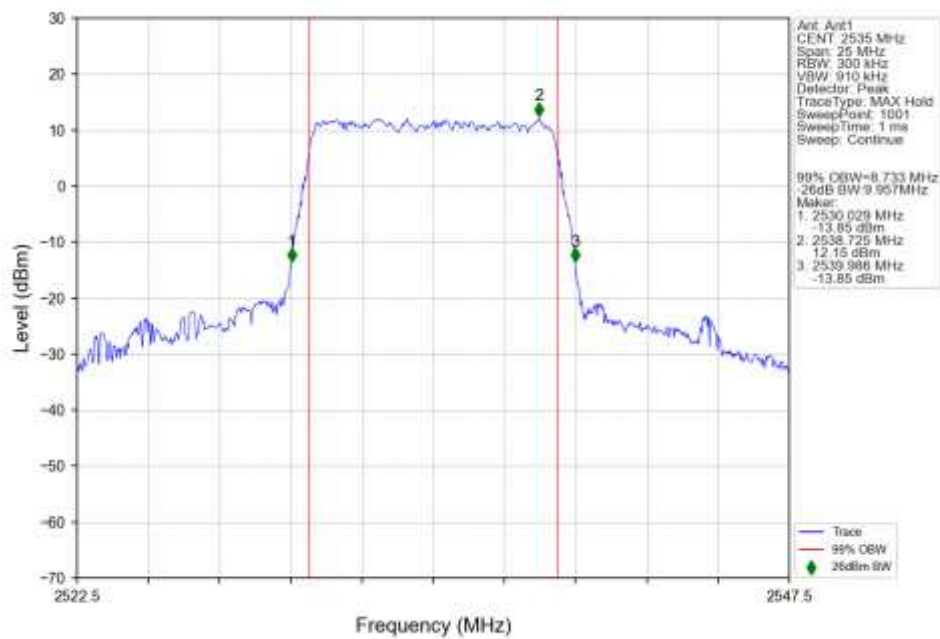
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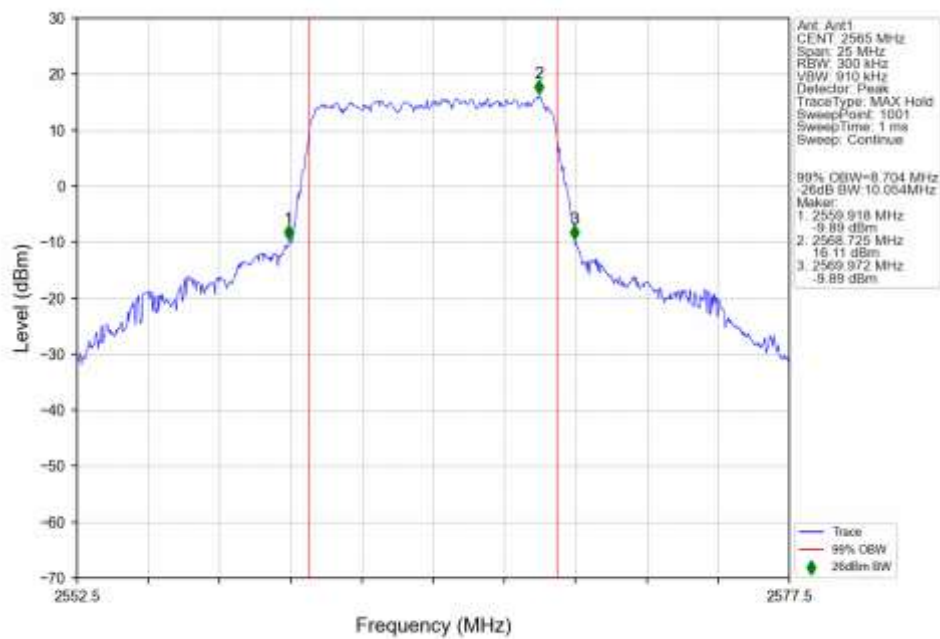
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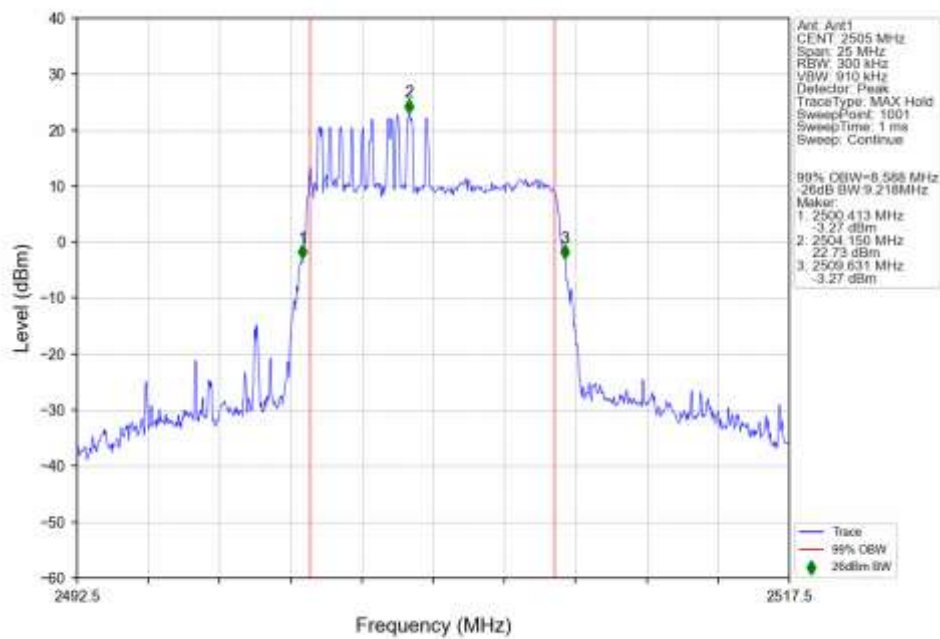
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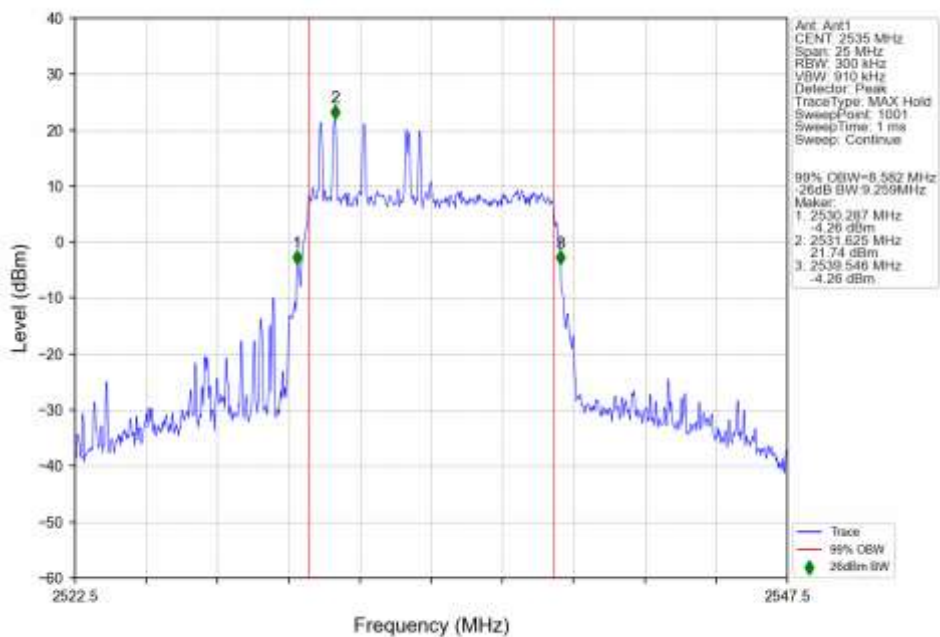
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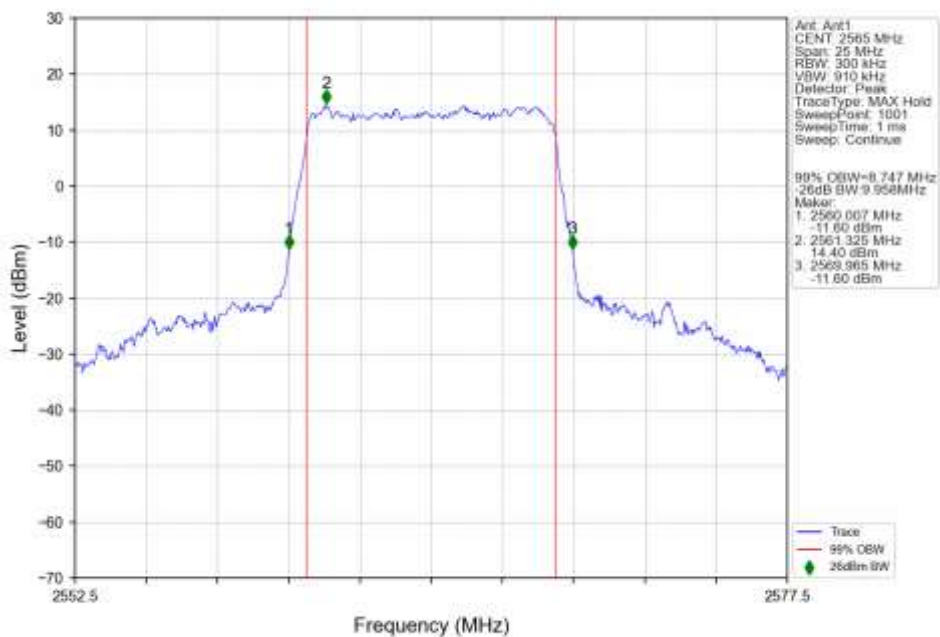
n7_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2505MHz_Outer_Full_Ant1



n7 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 2535MHz Outer Full Ant1

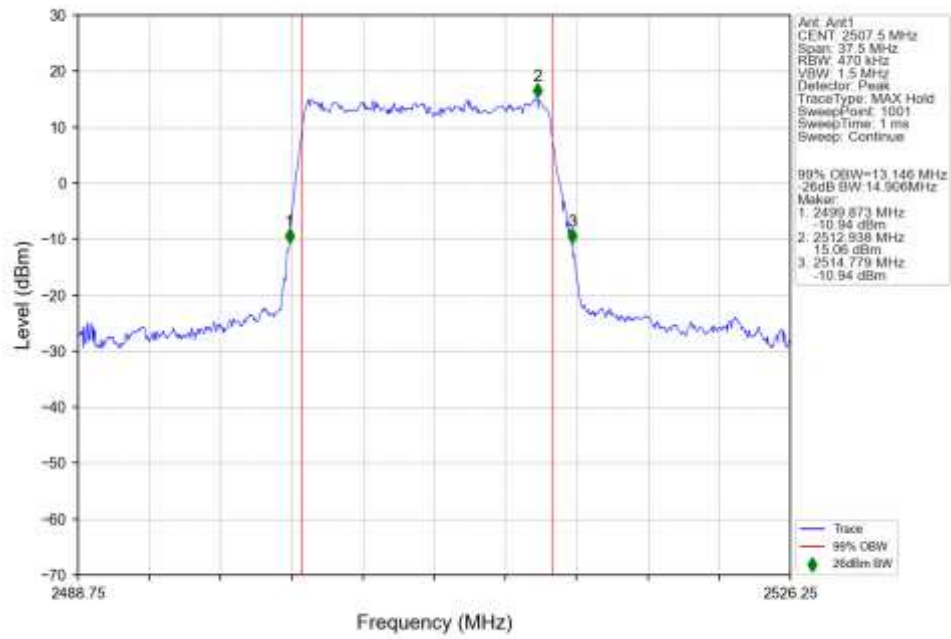


n7 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 2565MHz Outer Full Ant1

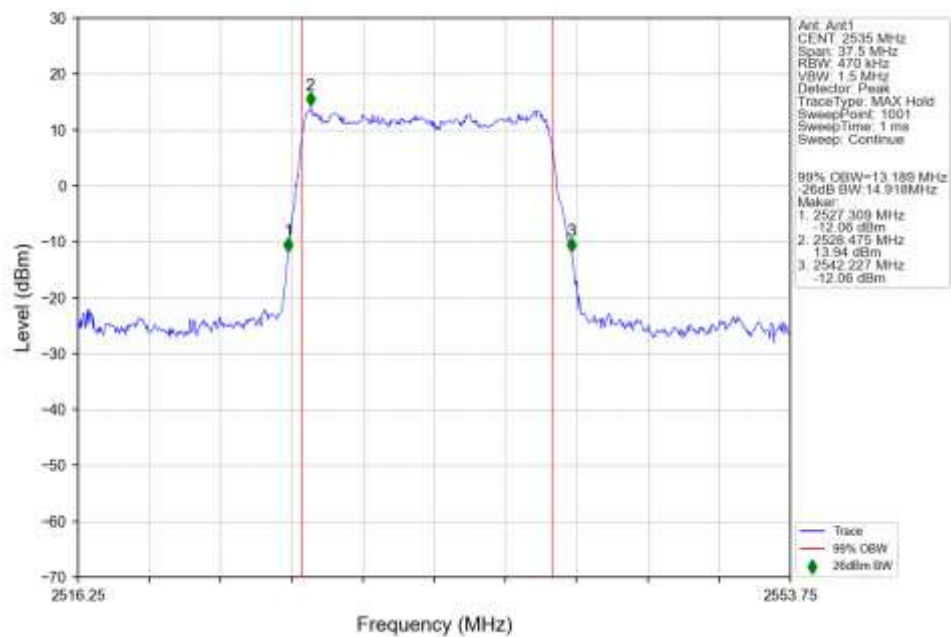


4.2.6 30k_SISO_15MHz_NTNV

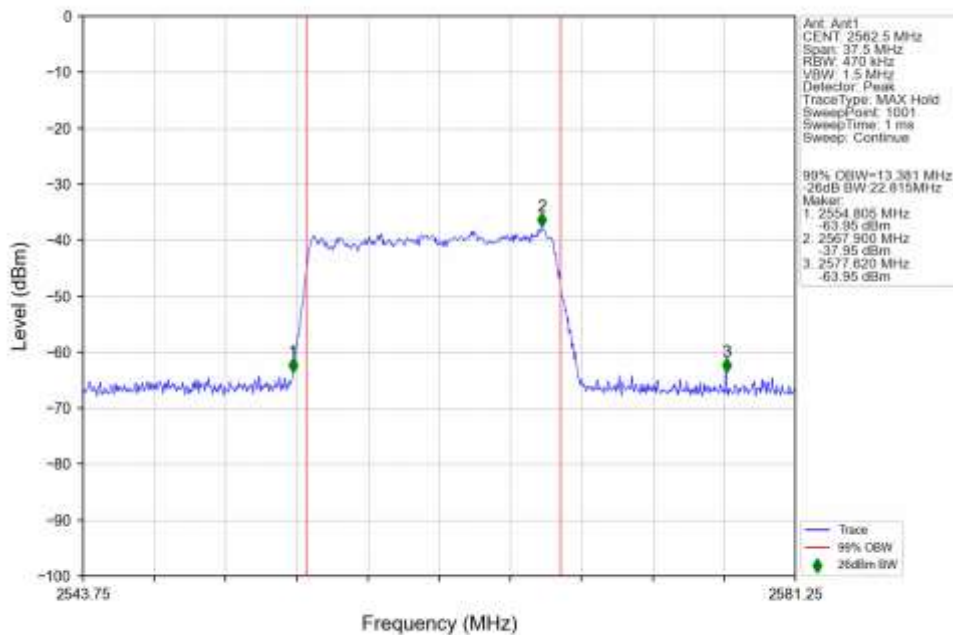
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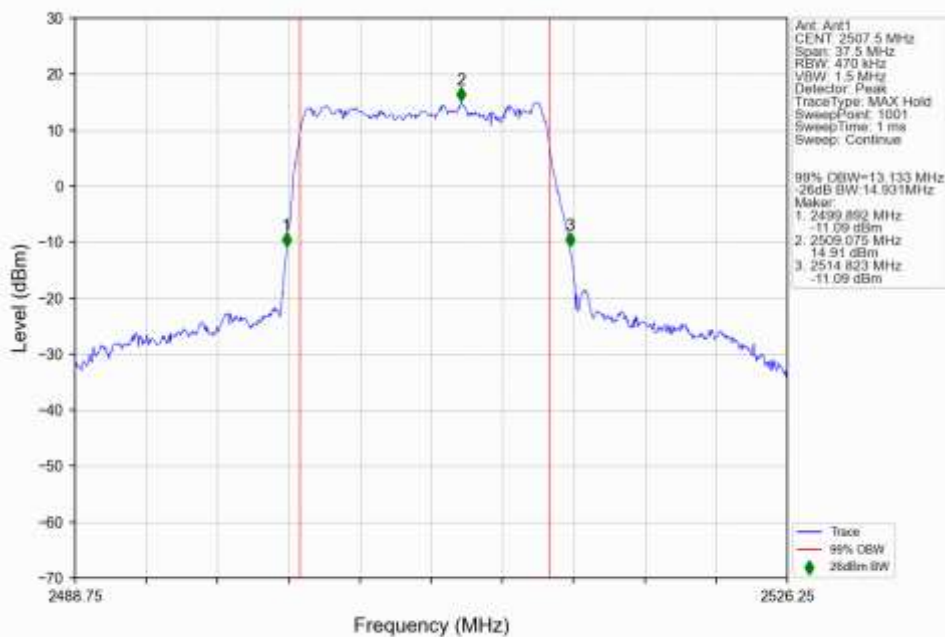
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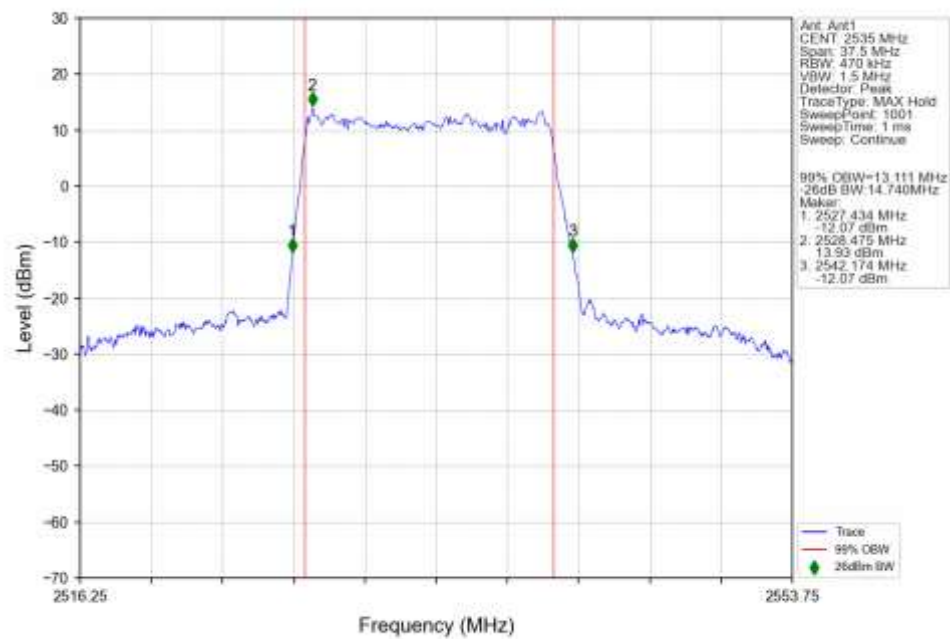
n7_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2562.5MHz_Outer_Full_Ant1



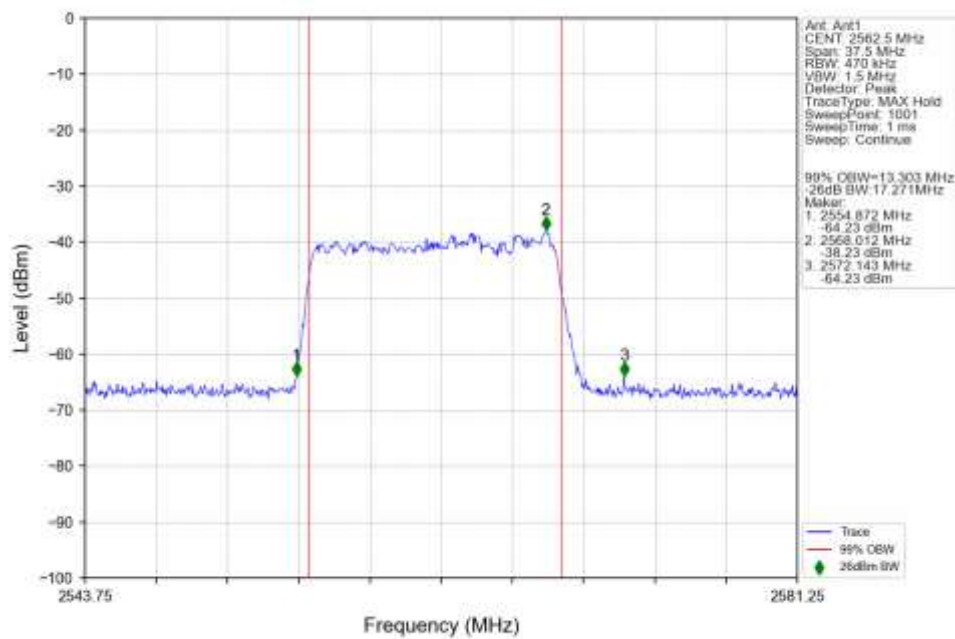
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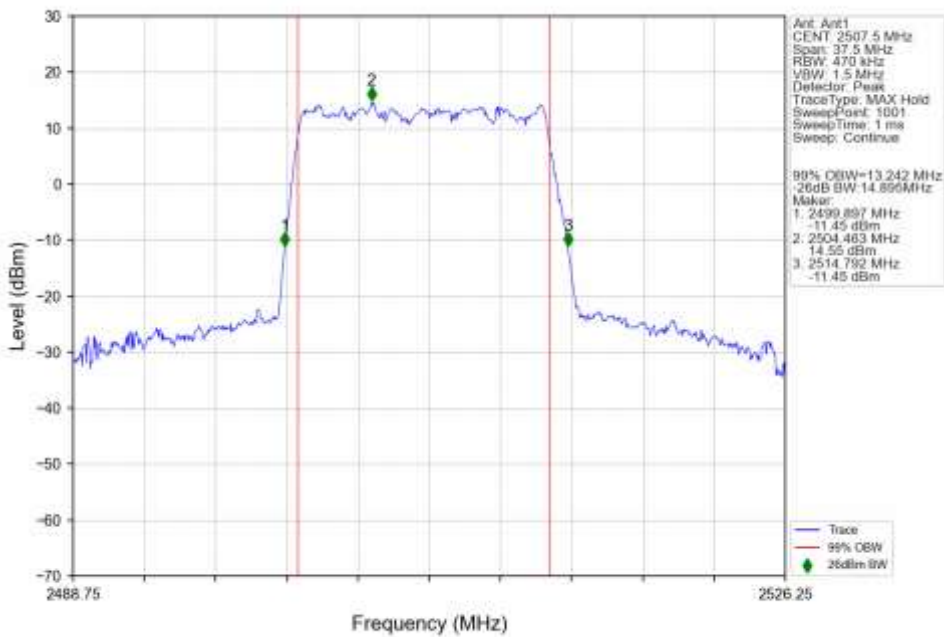
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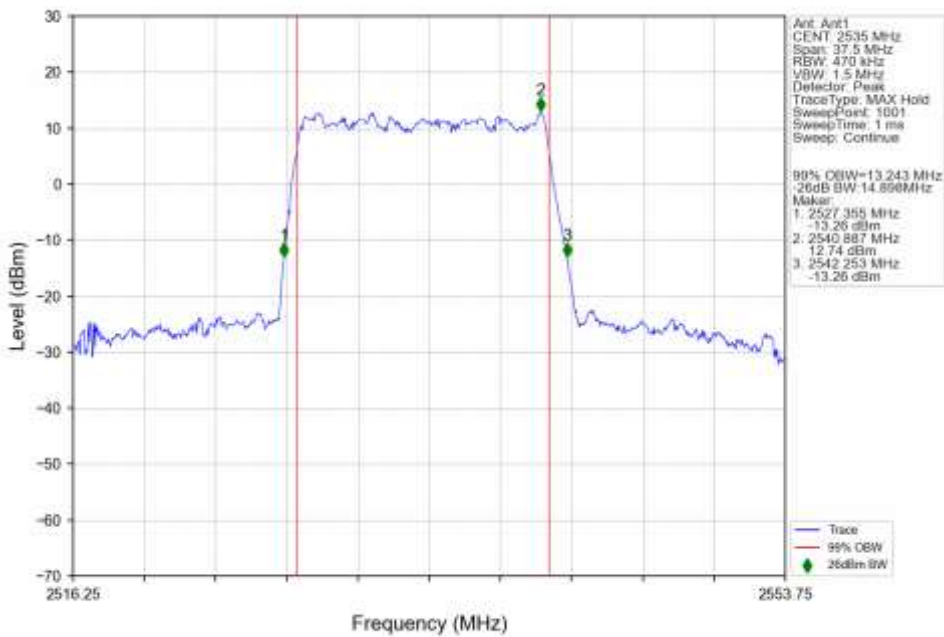
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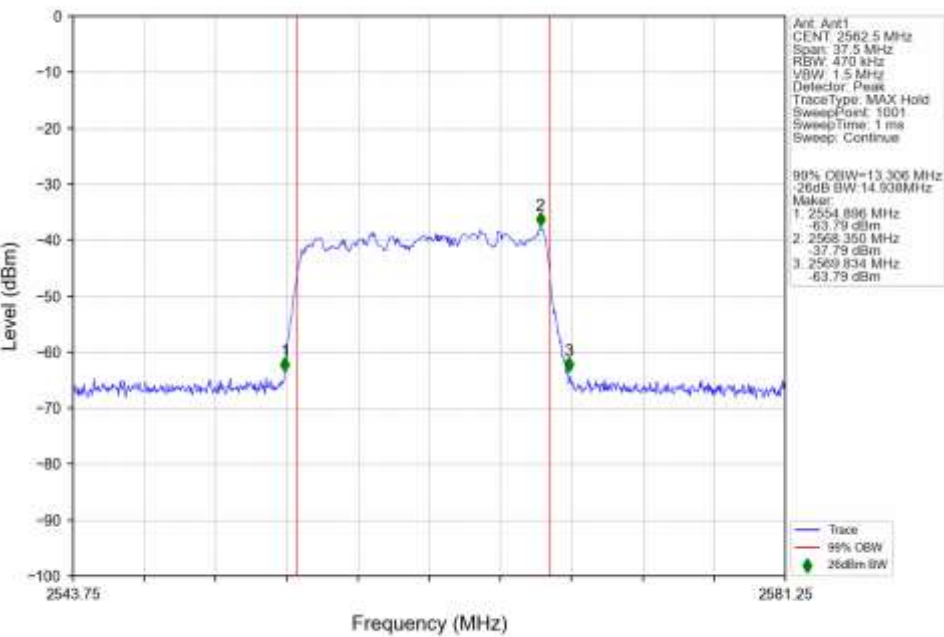
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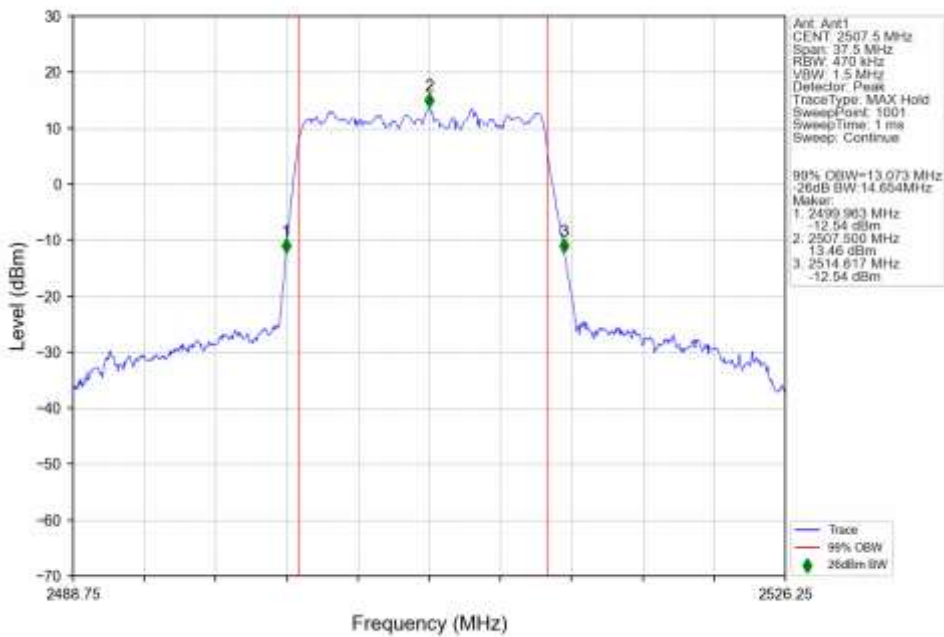
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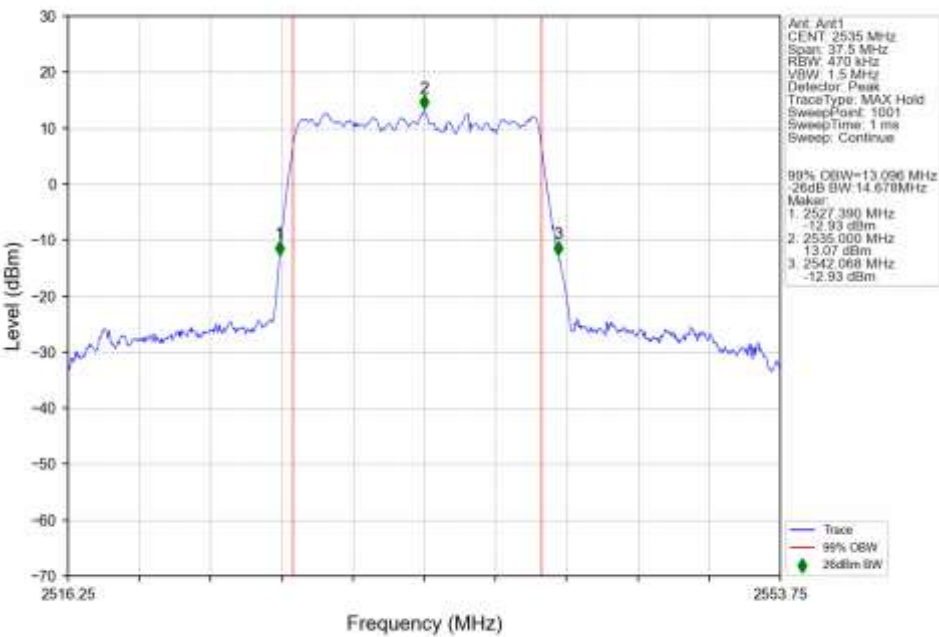
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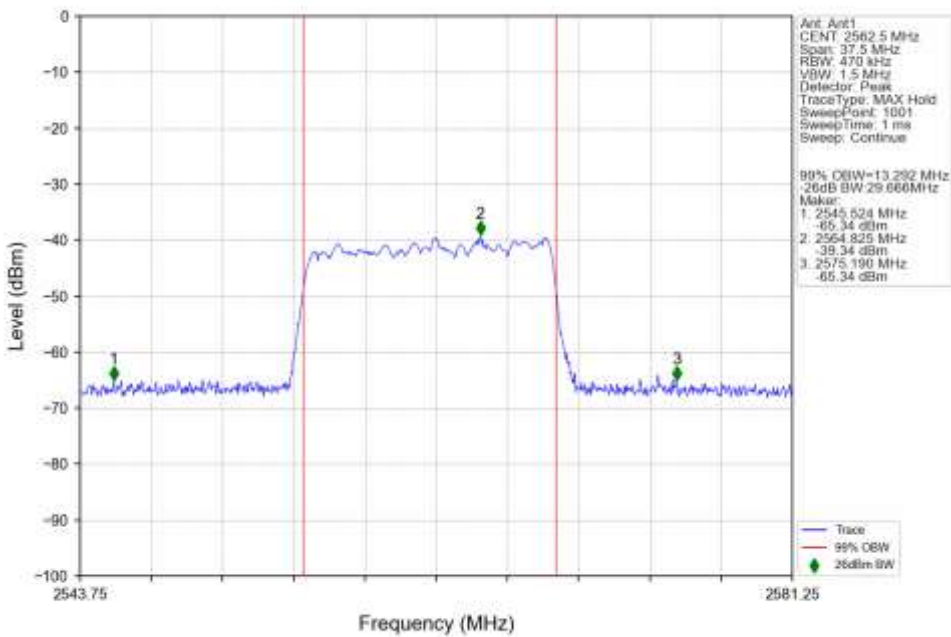
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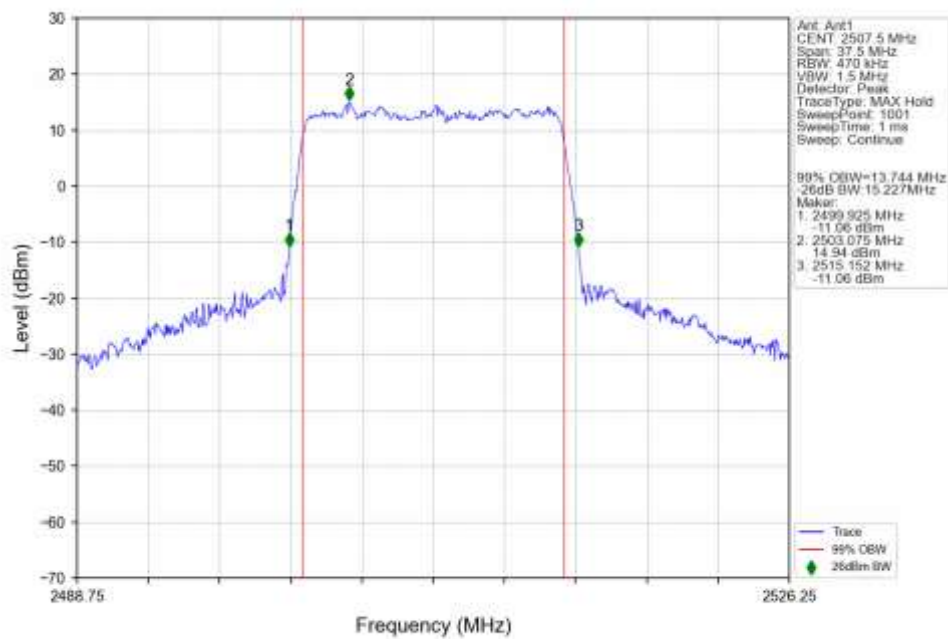
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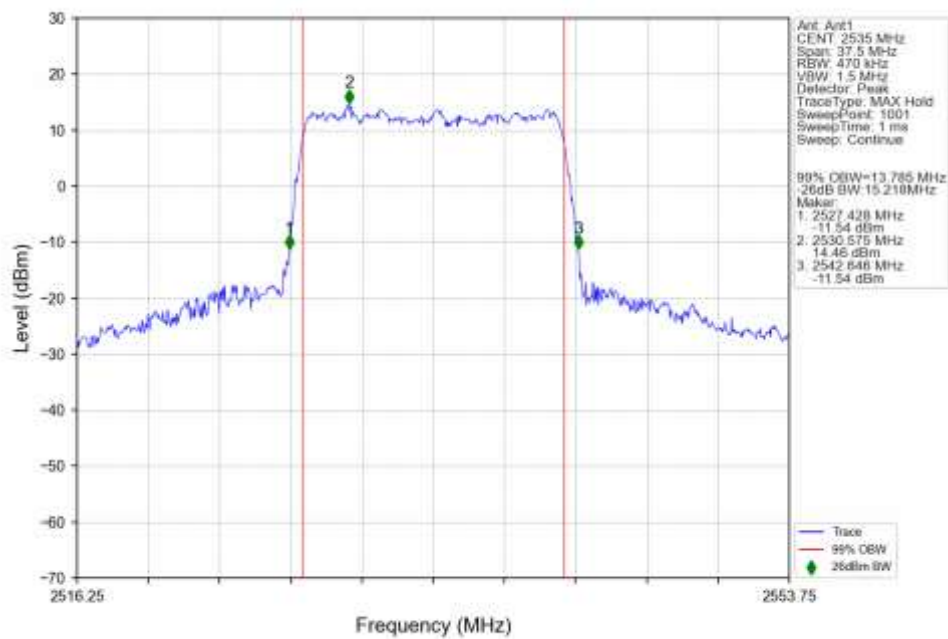
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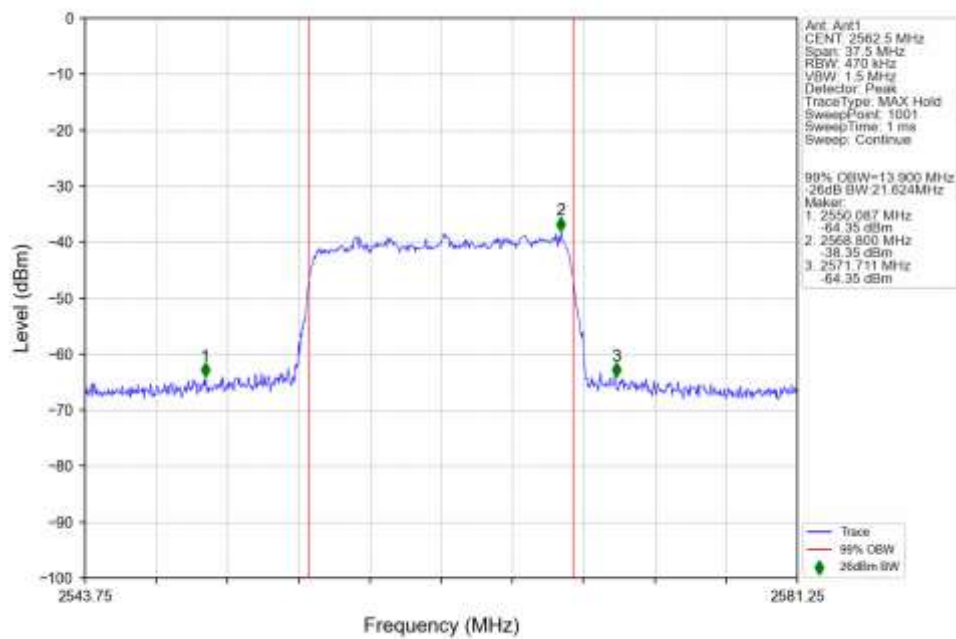
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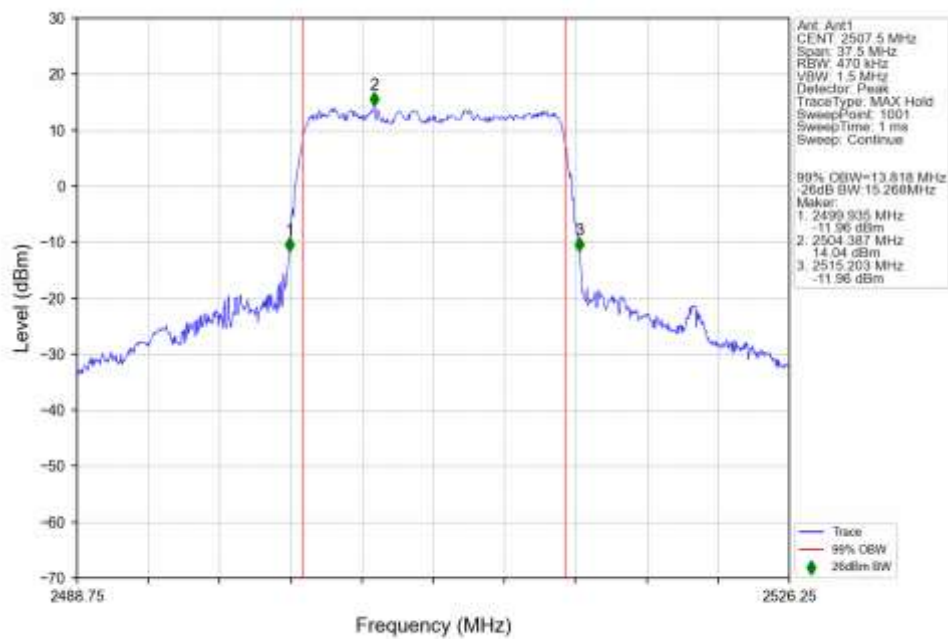
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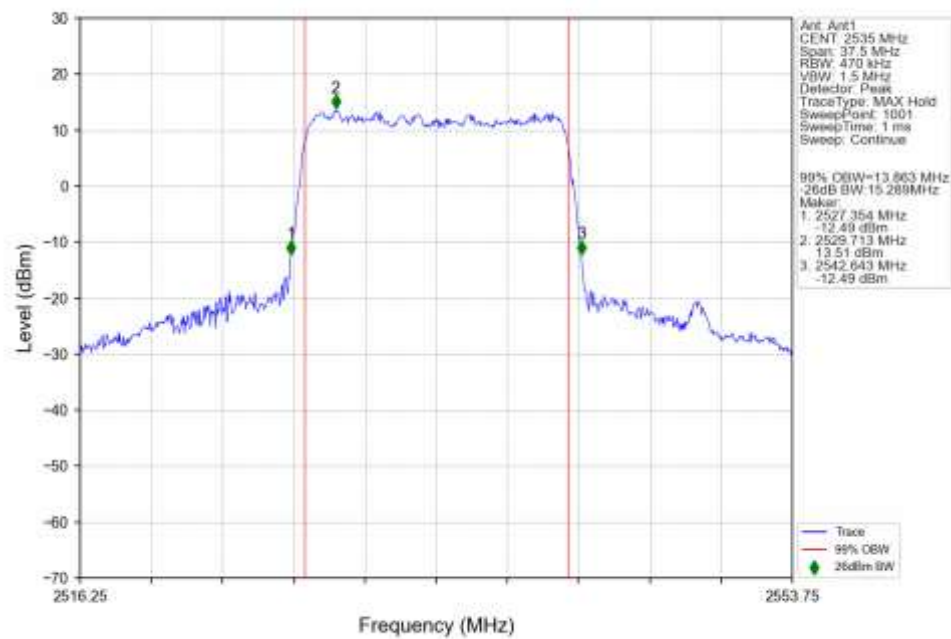
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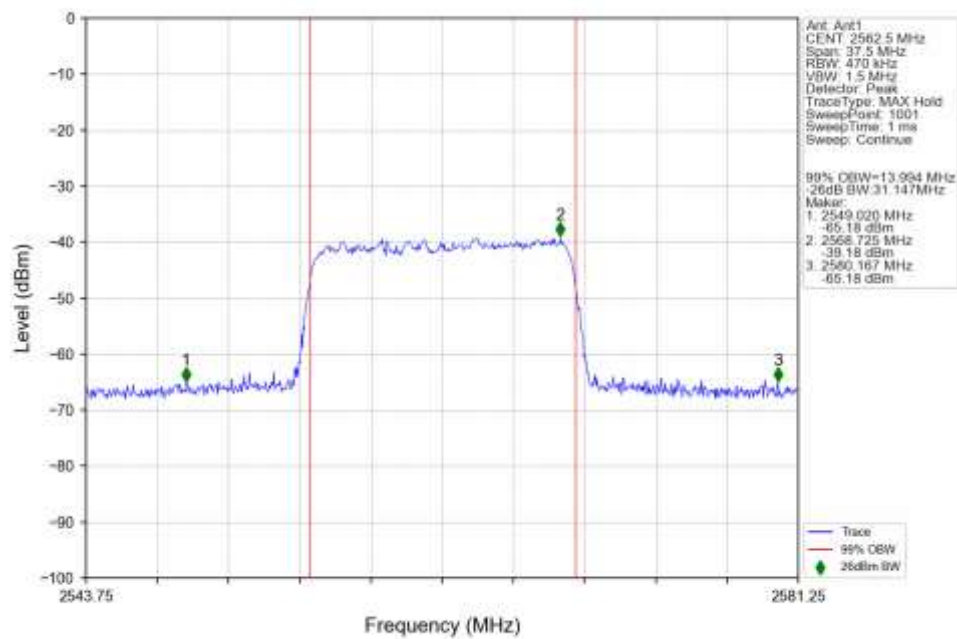
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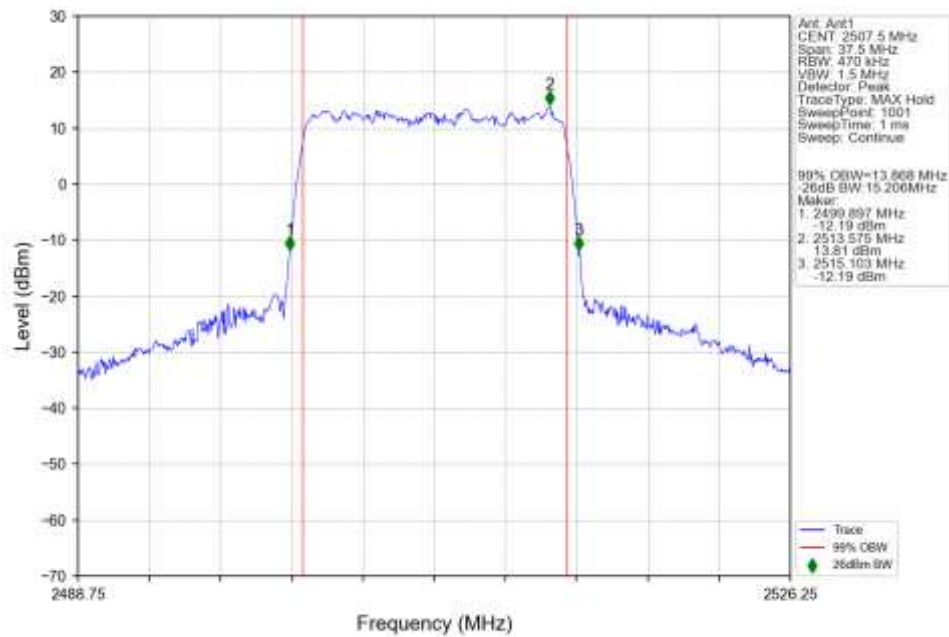
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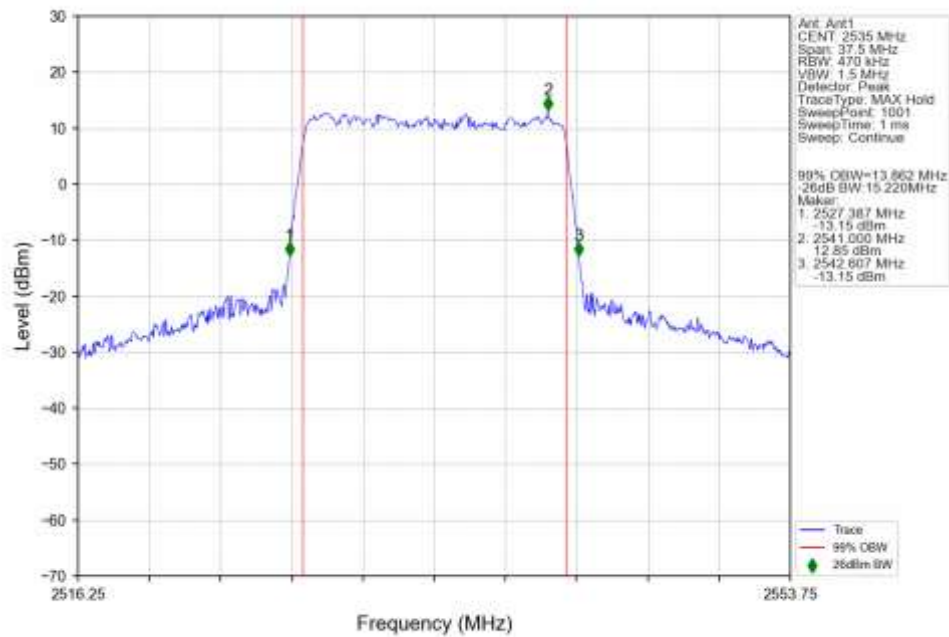
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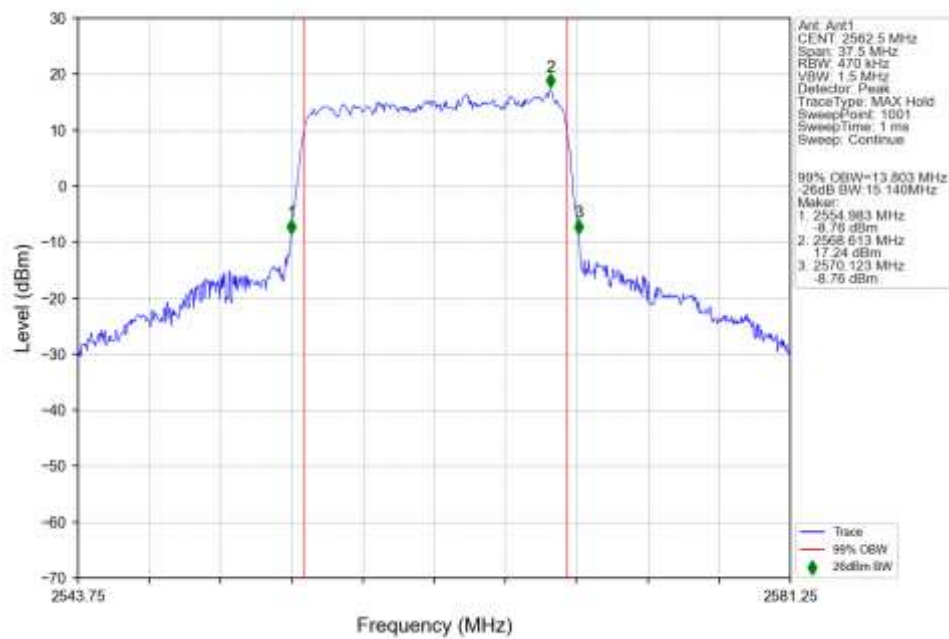
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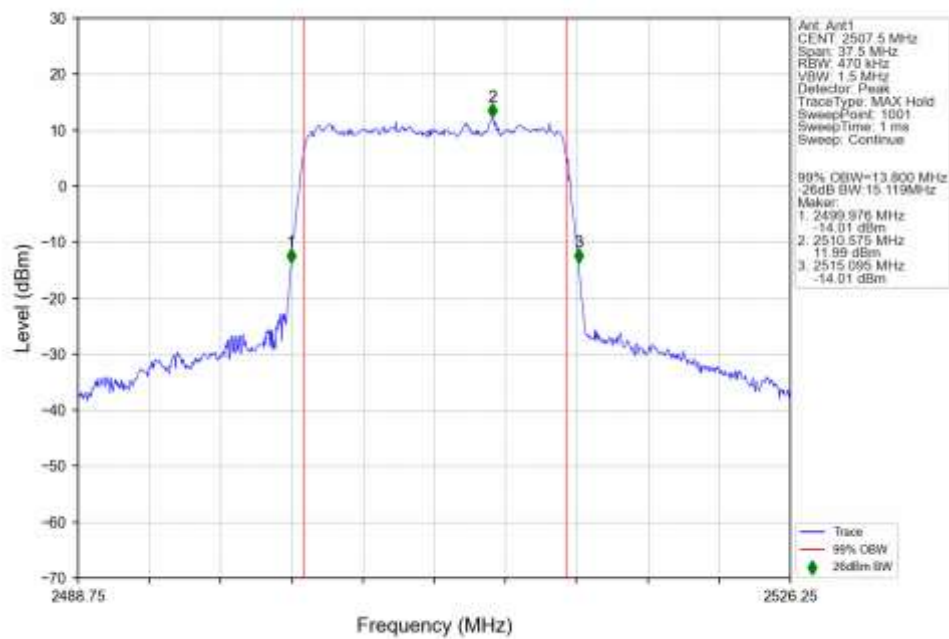
n7_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_2535MHz_Outer_Full_Ant1



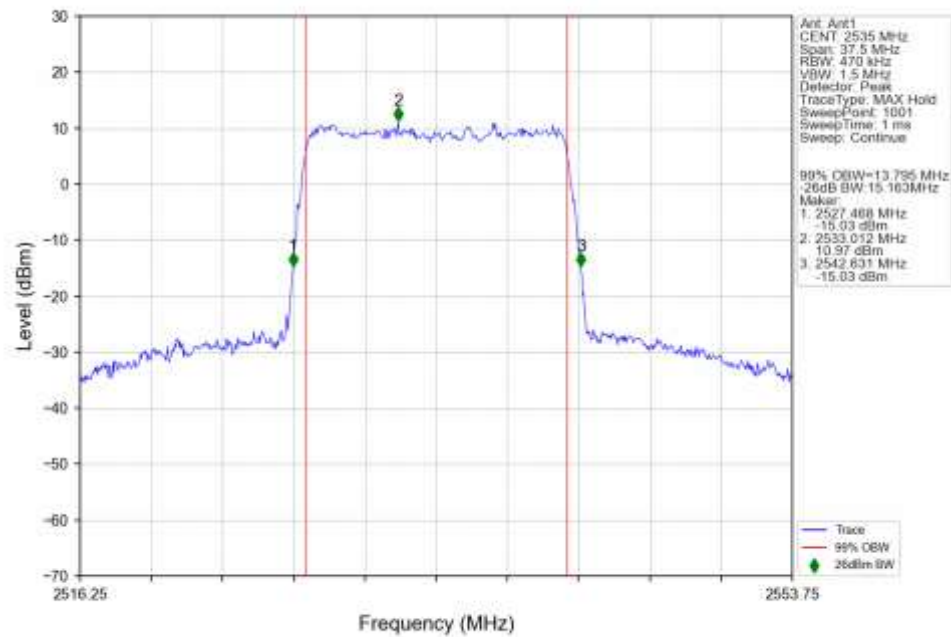
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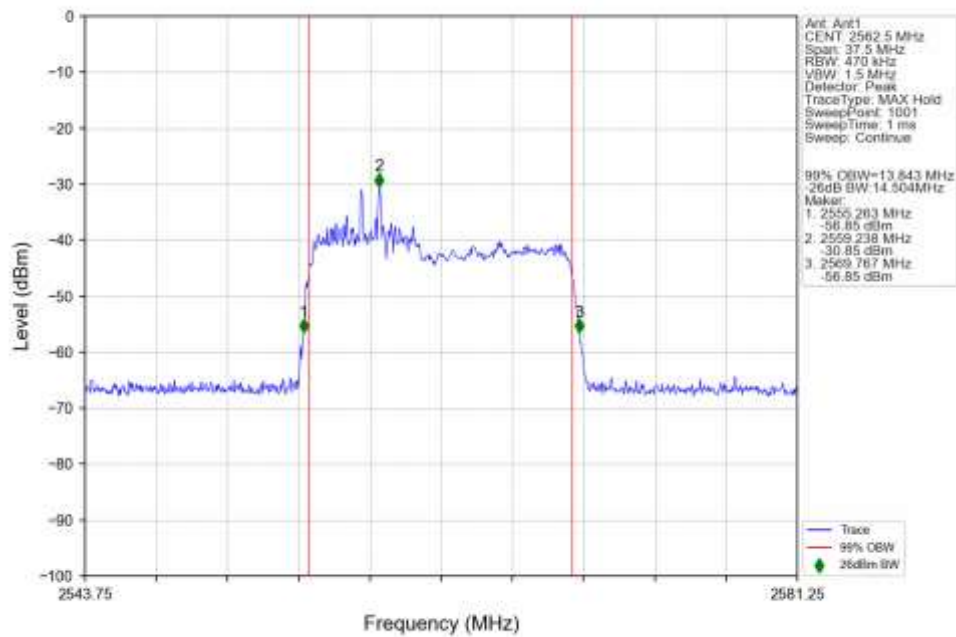
n7_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_2507.5MHz_Outer_Full_Ant1



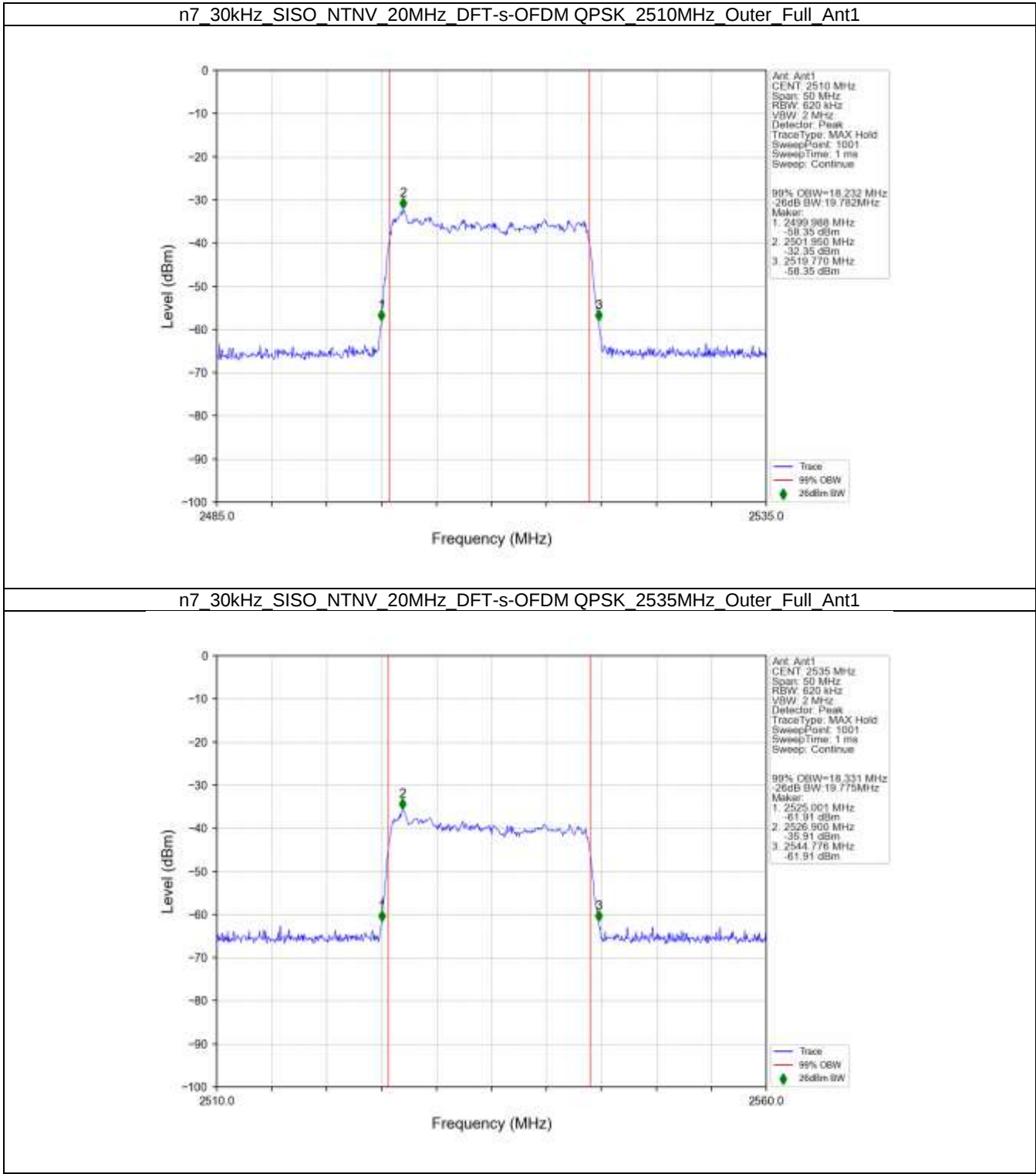
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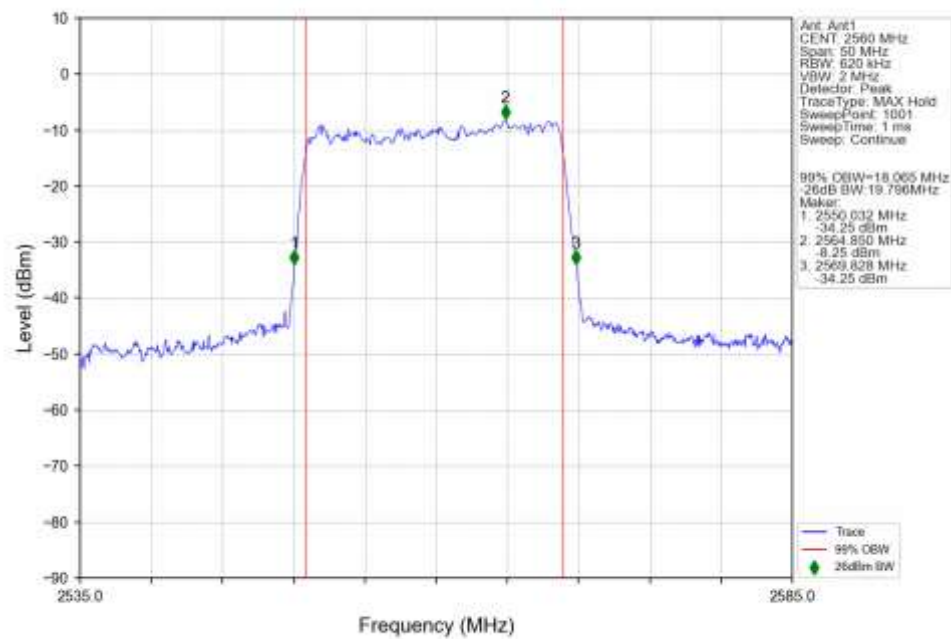
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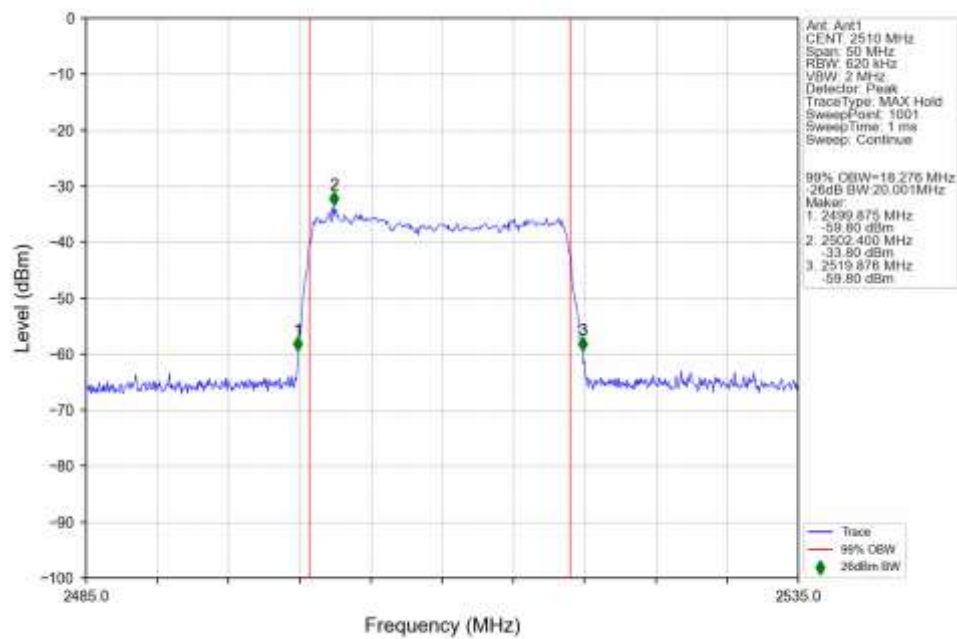
4.2.7 30k_SISO_20MHz_NTNV



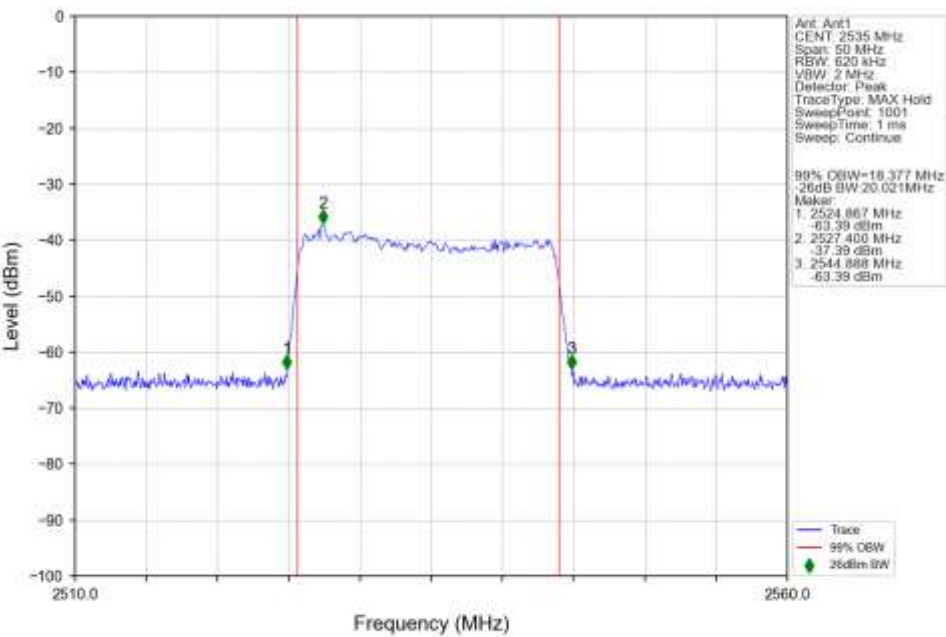
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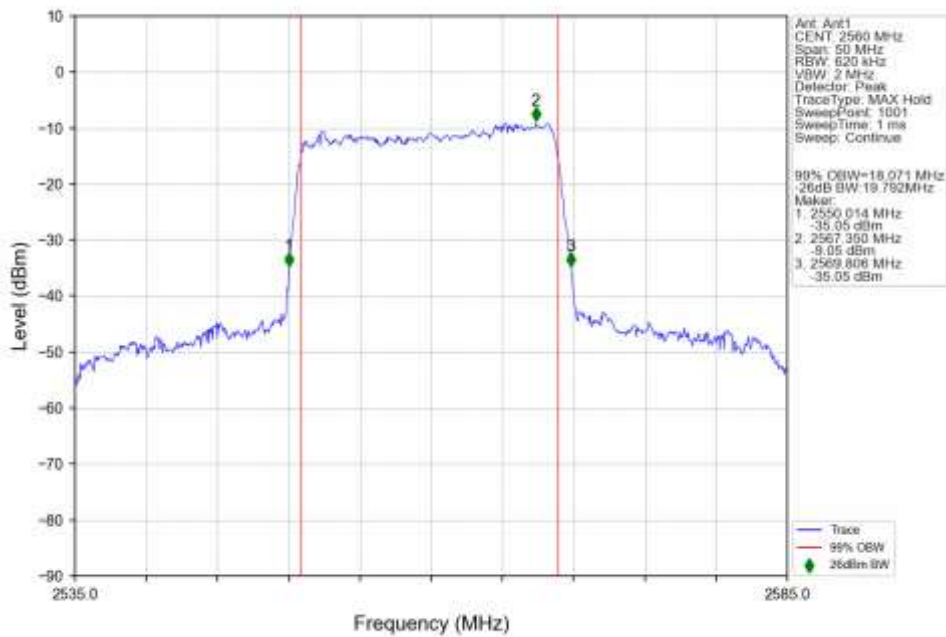
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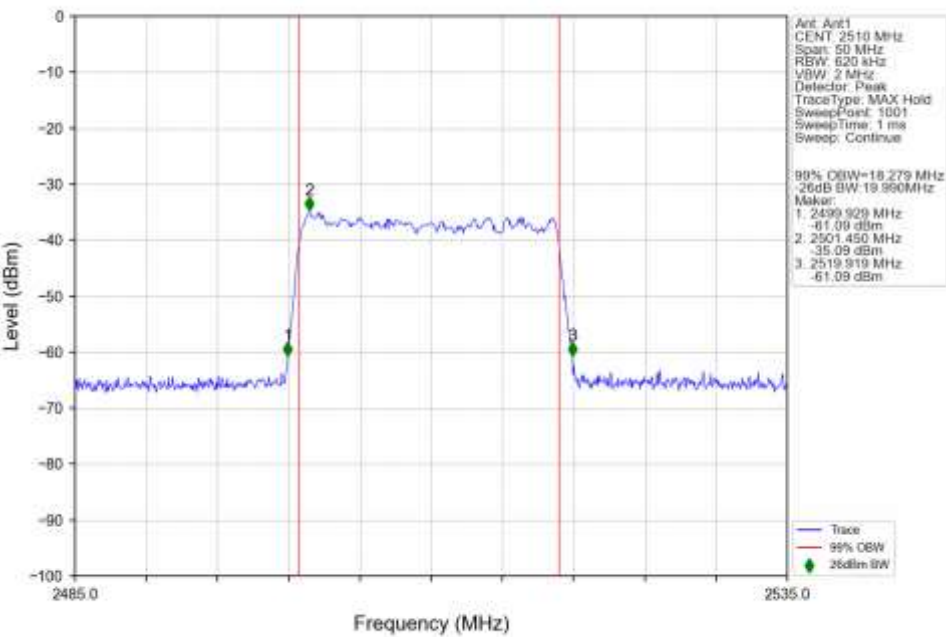
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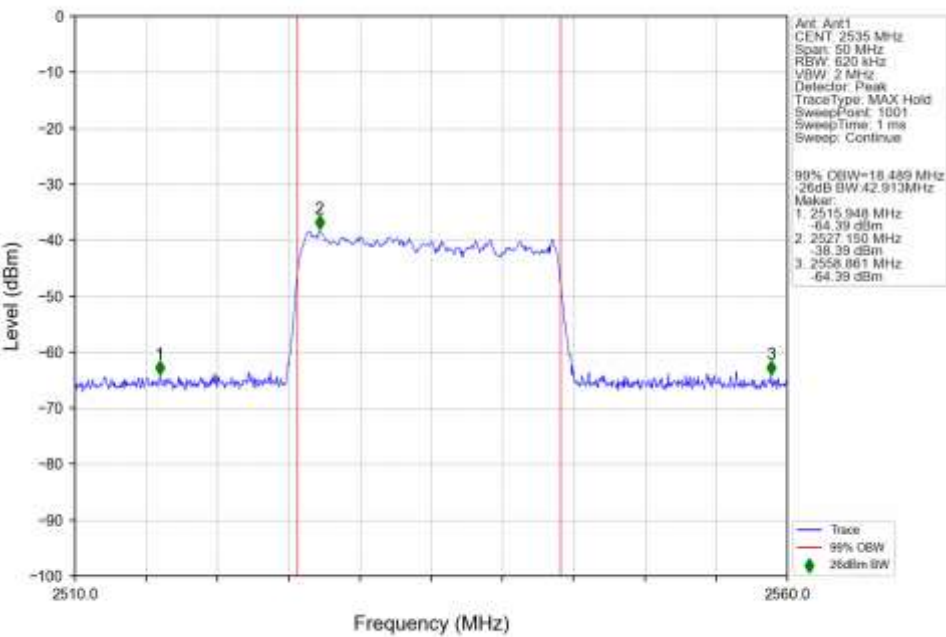
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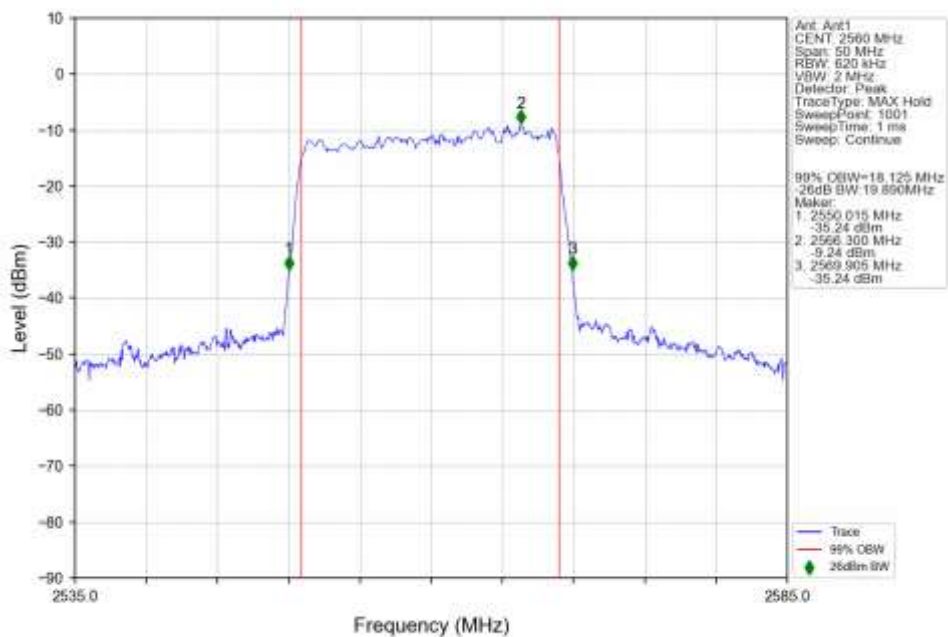
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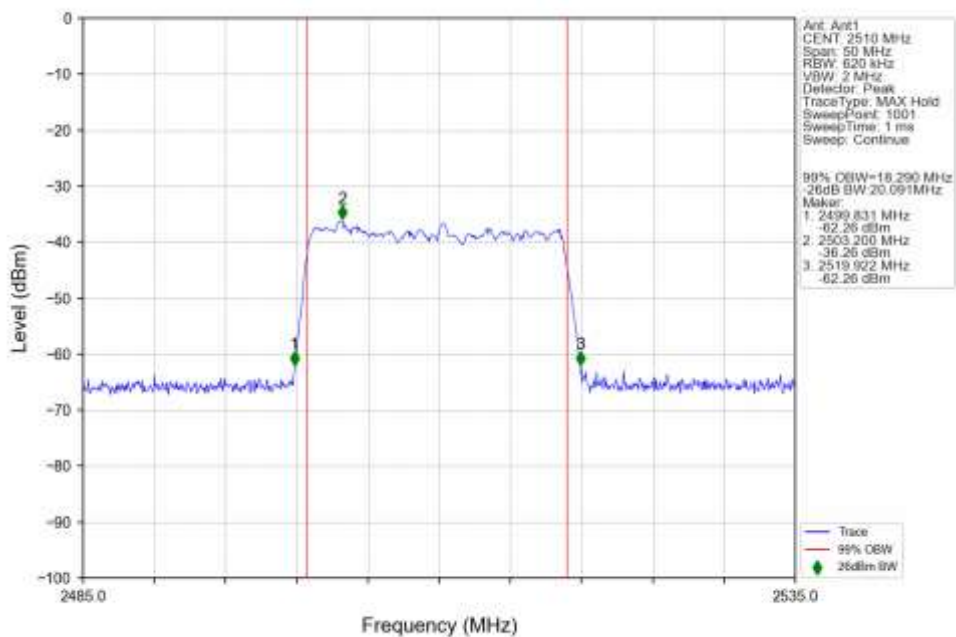
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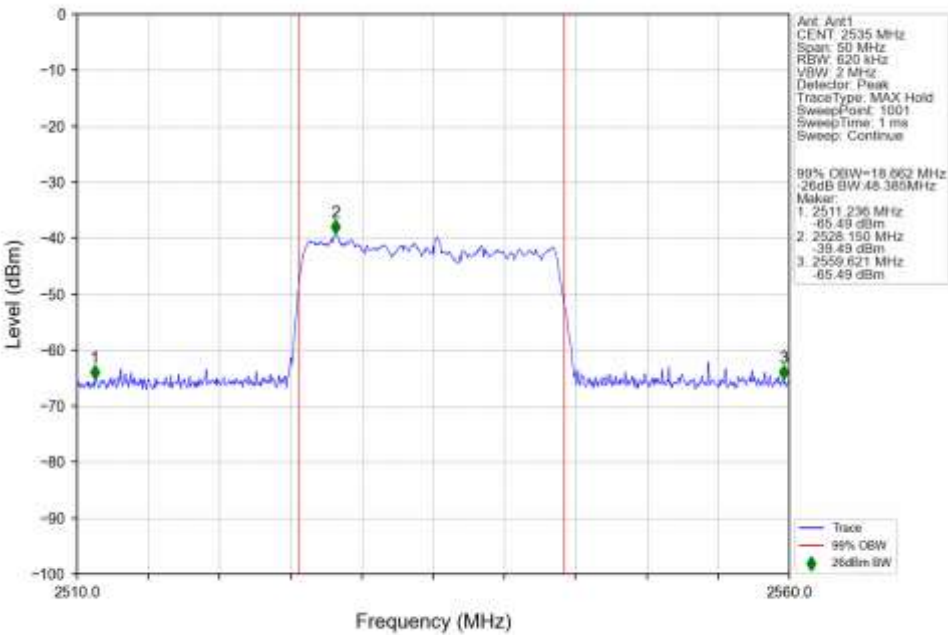
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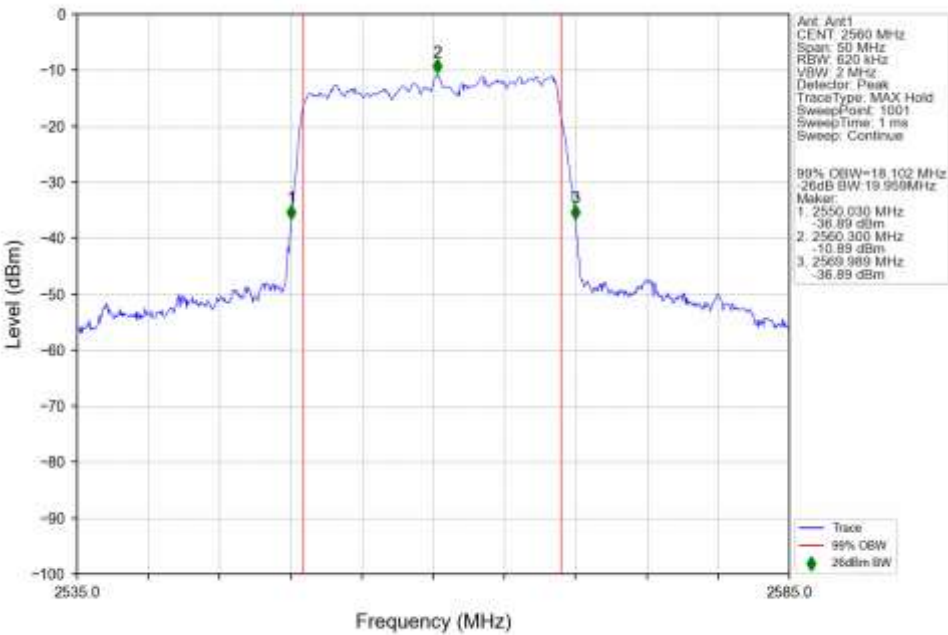
n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2510MHz_Outer_Full_Ant1



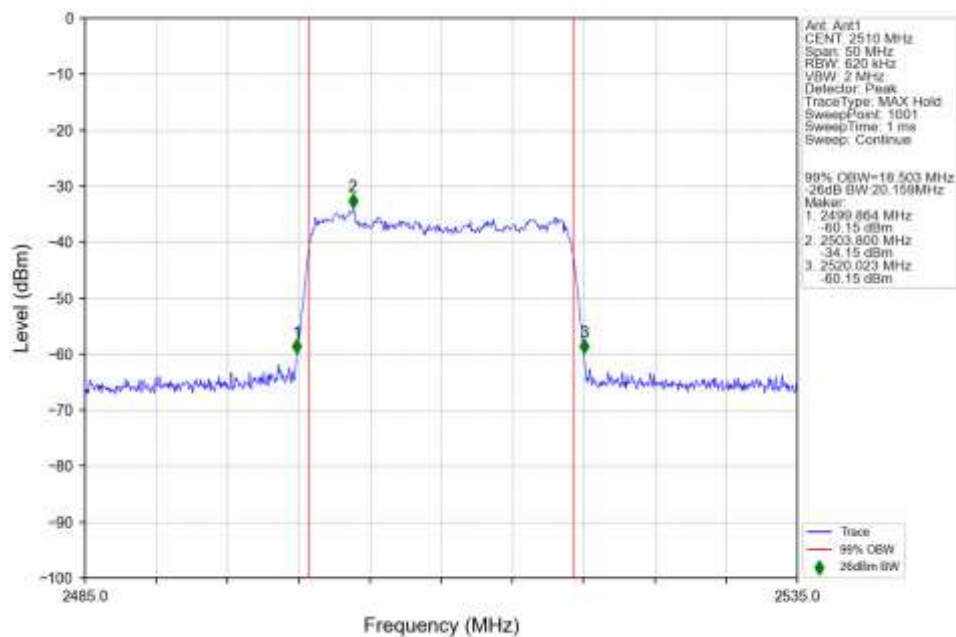
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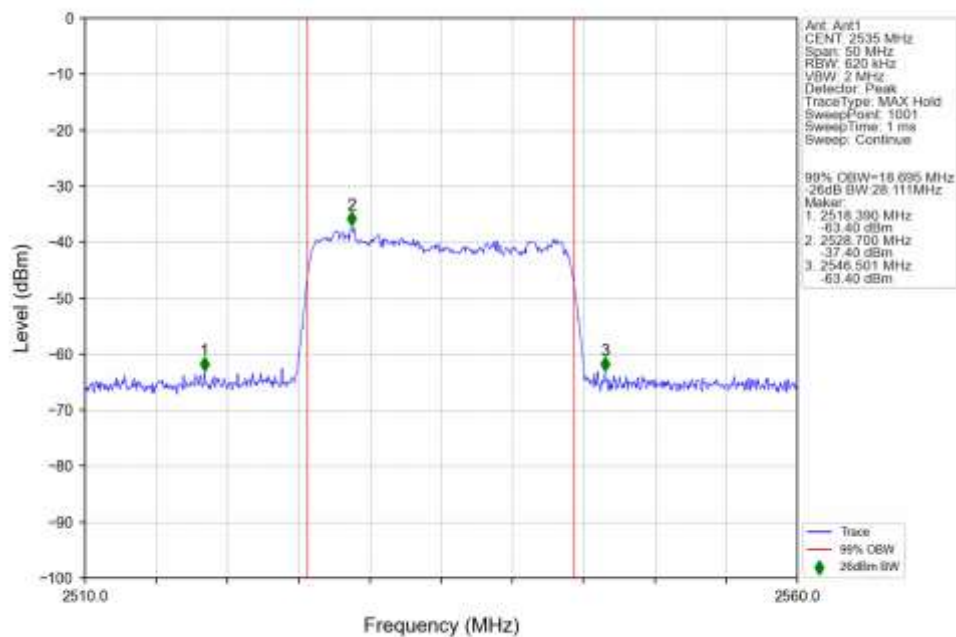
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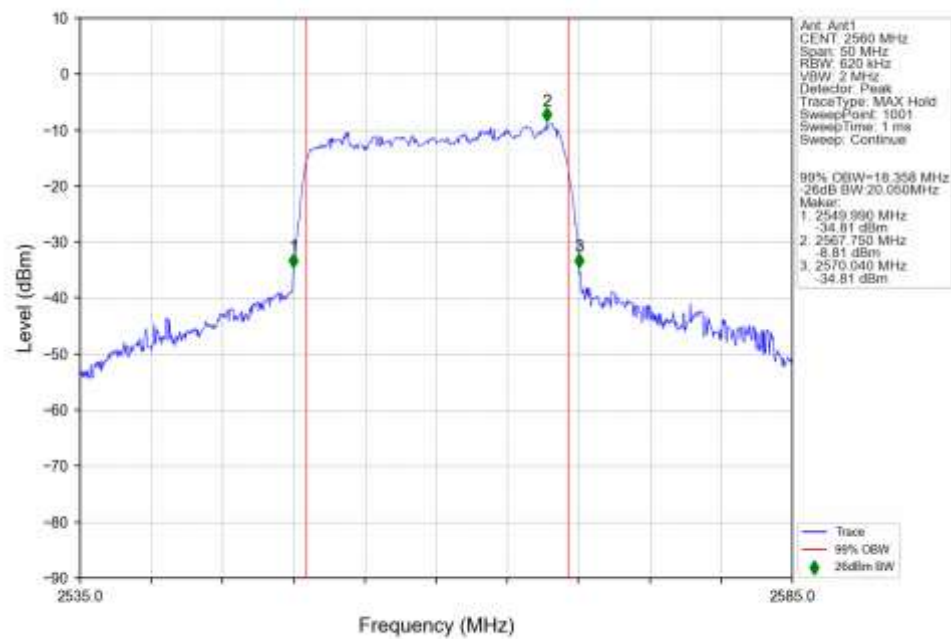
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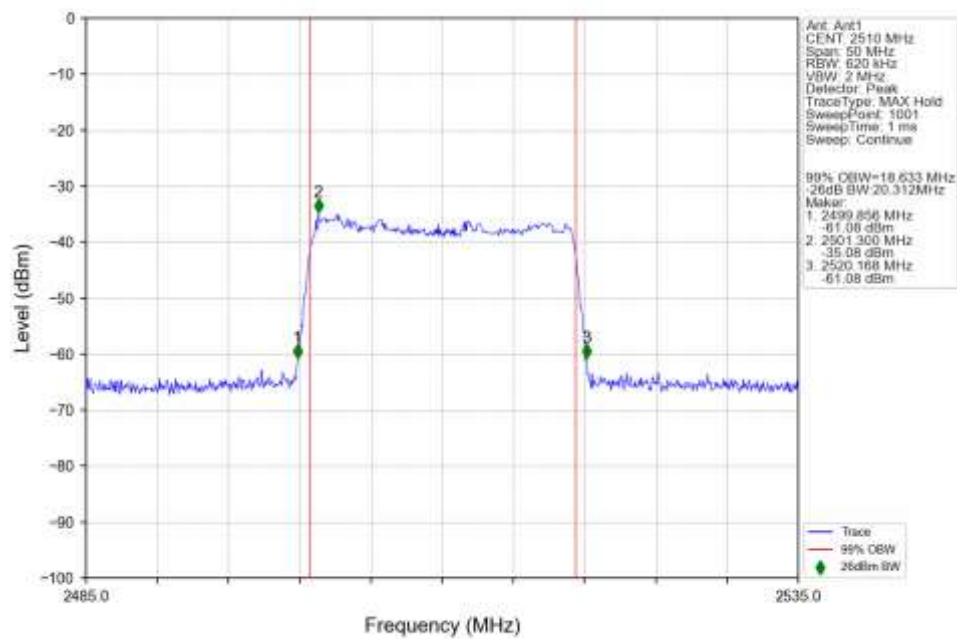
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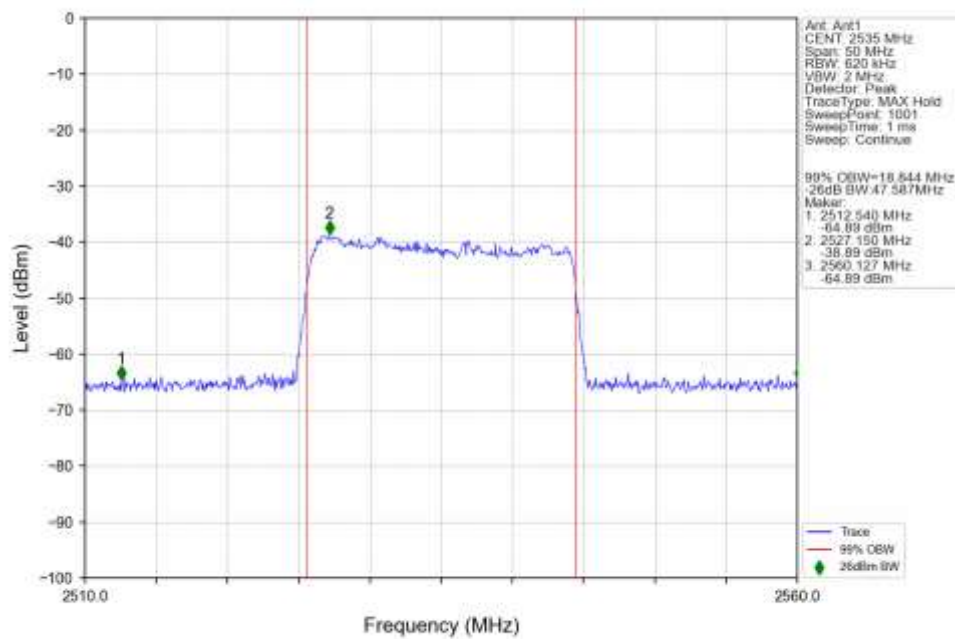
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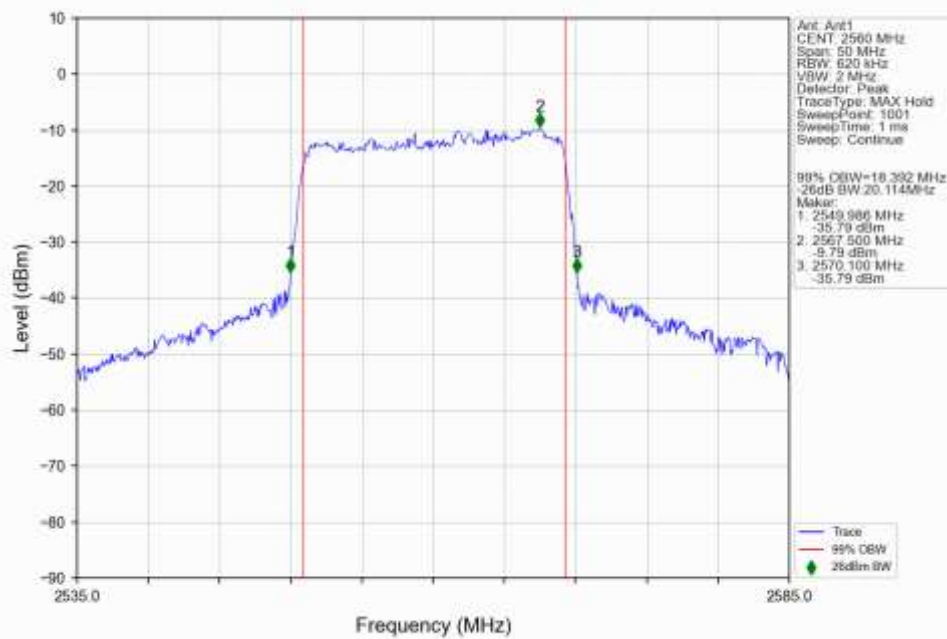
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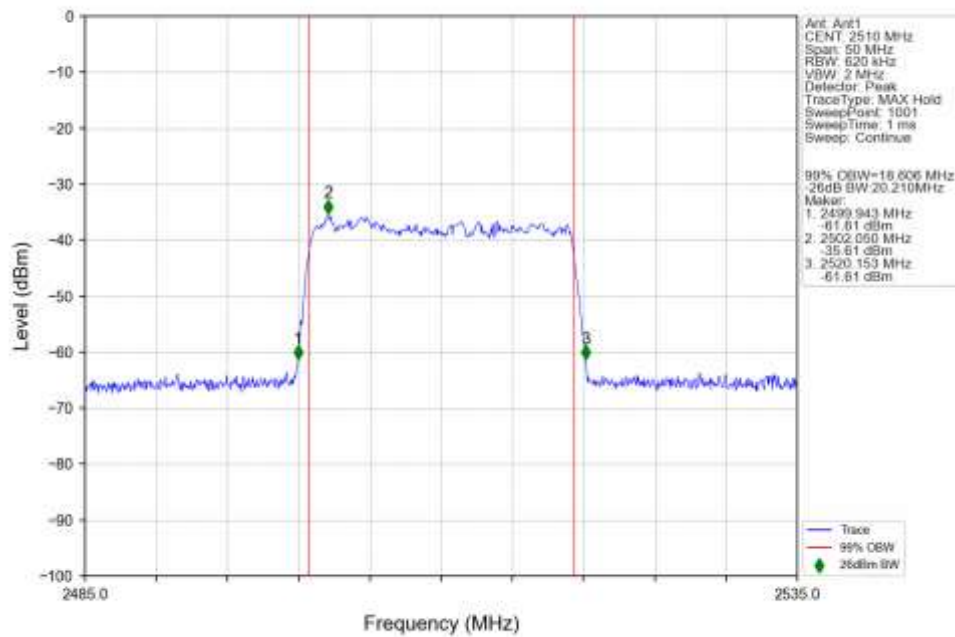
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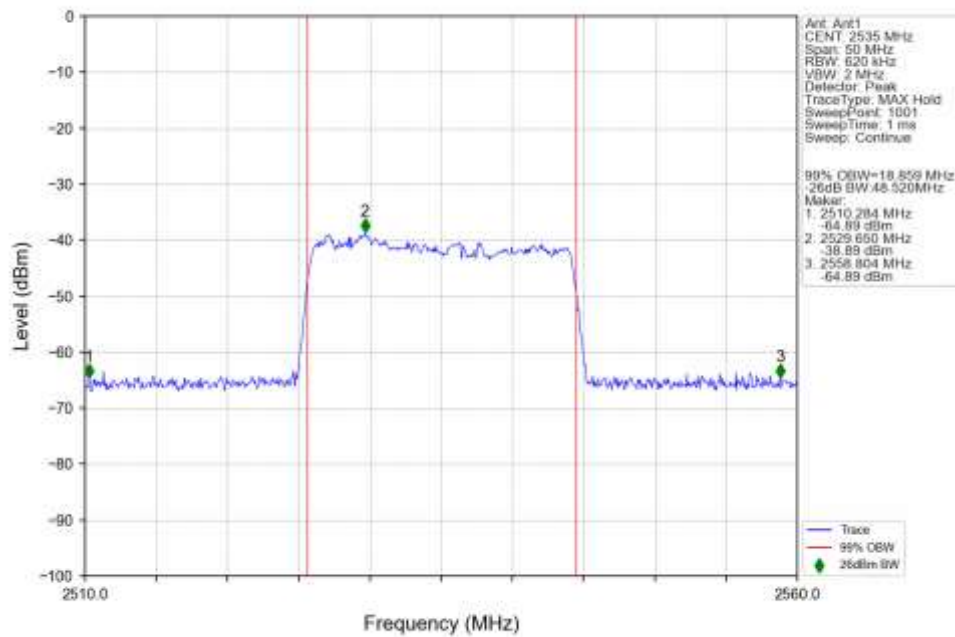
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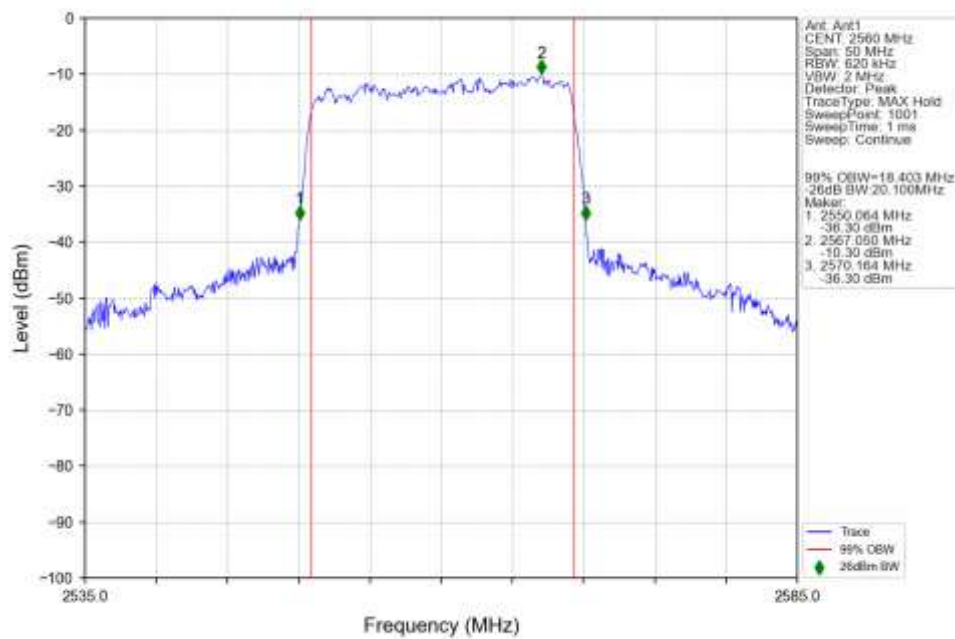
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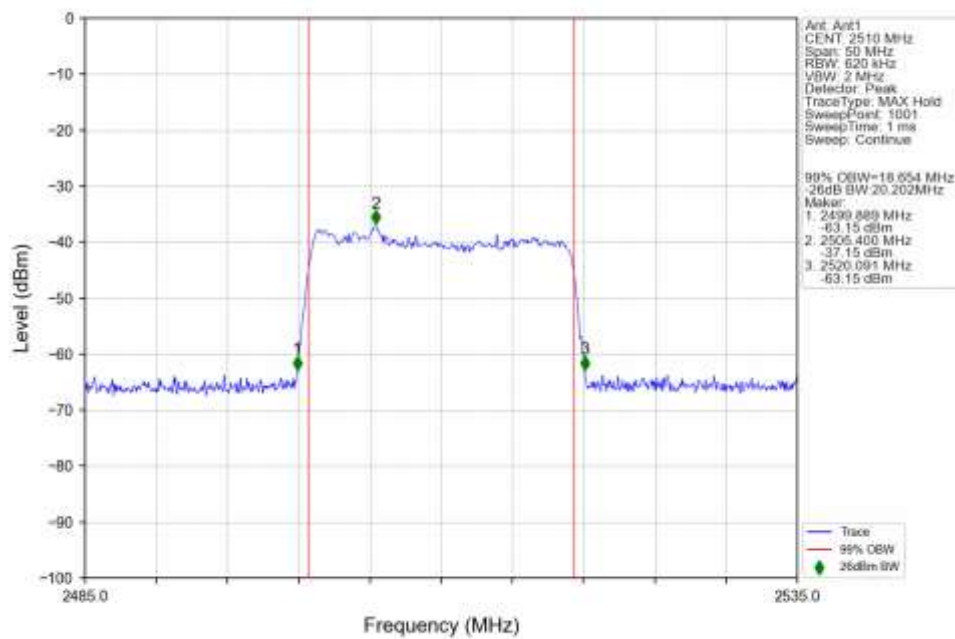
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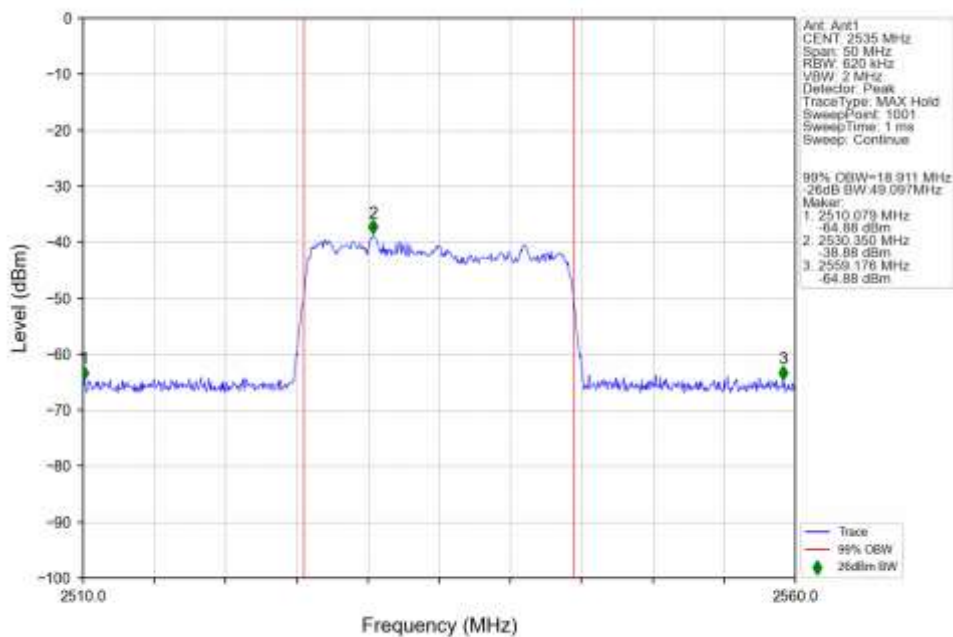
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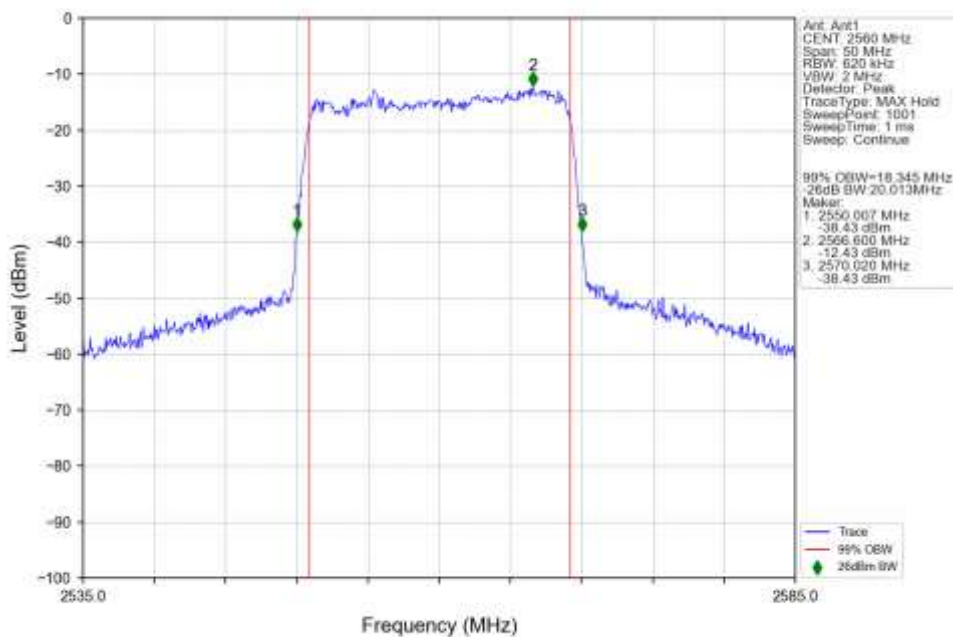
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n7_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



n7_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_2560MHz_Outer_Full_Ant1



5. Peak-Average Ratio

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n7 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2502.5	Outer Full	5.66	/	/	<=13	Pass
	2535	Outer Full	5.65	/	/	<=13	Pass
	2567.5	Outer Full	9.88	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2502.5	Outer Full	6.14	/	/	<=13	Pass
	2535	Outer Full	6.20	/	/	<=13	Pass
	2567.5	Outer Full	5.83	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2502.5	Outer Full	6.28	/	/	<=13	Pass
	2535	Outer Full	6.26	/	/	<=13	Pass
	2567.5	Outer Full	5.91	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2502.5	Outer Full	6.53	/	/	<=13	Pass
	2535	Outer Full	6.56	/	/	<=13	Pass
	2567.5	Outer Full	6.36	/	/	<=13	Pass
CP-OFDM QPSK	2502.5	Outer Full	7.81	/	/	<=13	Pass
	2535	Outer Full	7.85	/	/	<=13	Pass
	2567.5	Outer Full	7.31	/	/	<=13	Pass
CP-OFDM 16 QAM	2502.5	Outer Full	7.71	/	/	<=13	Pass
	2535	Outer Full	7.86	/	/	<=13	Pass
	2567.5	Outer Full	7.47	/	/	<=13	Pass
CP-OFDM 64 QAM	2502.5	Outer Full	8.06	/	/	<=13	Pass
	2535	Outer Full	8.14	/	/	<=13	Pass
	2567.5	Outer Full	7.72	/	/	<=13	Pass
CP-OFDM 256 QAM	2502.5	Outer Full	8.11	/	/	<=13	Pass
	2535	Outer Full	9.97	/	/	<=13	Pass
	2567.5	Outer Full	11.76	/	/	<=13	Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n7 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2505	Outer Full	5.52	/	/	<=13	Pass
	2535	Outer Full	5.53	/	/	<=13	Pass
	2565	Outer Full	5.09	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2505	Outer Full	6.25	/	/	<=13	Pass
	2535	Outer Full	6.29	/	/	<=13	Pass
	2565	Outer Full	5.89	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2505	Outer Full	6.37	/	/	<=13	Pass
	2535	Outer Full	6.39	/	/	<=13	Pass
	2565	Outer Full	6.04	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2505	Outer Full	6.32	/	/	<=13	Pass
	2535	Outer Full	6.33	/	/	<=13	Pass
	2565	Outer Full	6.16	/	/	<=13	Pass
CP-OFDM QPSK	2505	Outer Full	7.98	/	/	<=13	Pass
	2535	Outer Full	8.02	/	/	<=13	Pass

CP-OFDM 16 QAM	2565	Outer Full	10.01	/	/	<=13	Pass
	2505	Outer Full	8.24	/	/	<=13	Pass
	2535	Outer Full	8.24	/	/	<=13	Pass
	2565	Outer Full	8.65	/	/	<=13	Pass
CP-OFDM 64 QAM	2505	Outer Full	8.13	/	/	<=13	Pass
	2535	Outer Full	8.08	/	/	<=13	Pass
	2565	Outer Full	9.98	/	/	<=13	Pass
CP-OFDM 256 QAM	2505	Outer Full	8.14	/	/	<=13	Pass
	2535	Outer Full	9.69	/	/	<=13	Pass
	2565	Outer Full	8.45	/	/	<=13	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n7 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2507.5	Outer Full	5.49	/	/	<=13	Pass
	2535	Outer Full	5.59	/	/	<=13	Pass
	2562.5	Outer Full	5.23	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer Full	6.14	/	/	<=13	Pass
	2535	Outer Full	6.19	/	/	<=13	Pass
	2562.5	Outer Full	5.88	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2507.5	Outer Full	6.27	/	/	<=13	Pass
	2535	Outer Full	12.91	/	/	<=13	Pass
	2562.5	Outer Full	11.79	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer Full	6.29	/	/	<=13	Pass
	2535	Outer Full	6.33	/	/	<=13	Pass
	2562.5	Outer Full	6.12	/	/	<=13	Pass
CP-OFDM QPSK	2507.5	Outer Full	7.76	/	/	<=13	Pass
	2535	Outer Full	7.82	/	/	<=13	Pass
	2562.5	Outer Full	7.35	/	/	<=13	Pass
CP-OFDM 16 QAM	2507.5	Outer Full	7.97	/	/	<=13	Pass
	2535	Outer Full	8.03	/	/	<=13	Pass
	2562.5	Outer Full	7.47	/	/	<=13	Pass
CP-OFDM 64 QAM	2507.5	Outer Full	7.86	/	/	<=13	Pass
	2535	Outer Full	10.77	/	/	<=13	Pass
	2562.5	Outer Full	7.49	/	/	<=13	Pass
CP-OFDM 256 QAM	2507.5	Outer Full	8.12	/	/	<=13	Pass
	2535	Outer Full	12.85	/	/	<=13	Pass
	2562.5	Outer Full	7.93	/	/	<=13	Pass

5.1.4 15k_SISO_20MHz_NTNV

5G NR n7 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2510	Outer Full	5.52	/	/	<=13	Pass
	2535	Outer Full	5.64	/	/	<=13	Pass
	2560	Outer Full	5.35	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2510	Outer Full	6.18	/	/	<=13	Pass
	2535	Outer Full	6.24	/	/	<=13	Pass
	2560	Outer Full	5.95	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2510	Outer Full	6.38	/	/	<=13	Pass
	2535	Outer Full	6.44	/	/	<=13	Pass
	2560	Outer Full	6.19	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	2510	Outer Full	6.36	/	/	<=13	Pass
	2535	Outer Full	7.64	/	/	<=13	Pass
	2560	Outer Full	6.25	/	/	<=13	Pass
CP-OFDM QPSK	2510	Outer Full	7.99	/	/	<=13	Pass
	2535	Outer Full	8.20	/	/	<=13	Pass
	2560	Outer Full	7.61	/	/	<=13	Pass
CP-OFDM 16 QAM	2510	Outer Full	8.01	/	/	<=13	Pass
	2535	Outer Full	8.23	/	/	<=13	Pass
	2560	Outer Full	12.40	/	/	<=13	Pass
CP-OFDM 64 QAM	2510	Outer Full	8.15	/	/	<=13	Pass
	2535	Outer Full	8.43	/	/	<=13	Pass
	2560	Outer Full	9.74	/	/	<=13	Pass
CP-OFDM 256 QAM	2510	Outer Full	8.16	/	/	<=13	Pass
	2535	Outer Full	11.81	/	/	<=13	Pass
	2560	Outer Full	8.39	/	/	<=13	Pass

5.1.5 30k_SISO_10MHz_NTNV

5G NR n7 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2505	Outer Full	7.44	/	/	<=13	Pass
	2535	Outer Full	5.60	/	/	<=13	Pass
	2565	Outer Full	5.22	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2505	Outer Full	6.31	/	/	<=13	Pass
	2535	Outer Full	6.27	/	/	<=13	Pass
	2565	Outer Full	5.91	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2505	Outer Full	6.41	/	/	<=13	Pass
	2535	Outer Full	6.36	/	/	<=13	Pass
	2565	Outer Full	6.07	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2505	Outer Full	6.59	/	/	<=13	Pass
	2535	Outer Full	6.56	/	/	<=13	Pass
	2565	Outer Full	6.42	/	/	<=13	Pass
CP-OFDM QPSK	2505	Outer Full	8.11	/	/	<=13	Pass
	2535	Outer Full	8.06	/	/	<=13	Pass
	2565	Outer Full	7.41	/	/	<=13	Pass
CP-OFDM 16 QAM	2505	Outer Full	7.92	/	/	<=13	Pass
	2535	Outer Full	8.09	/	/	<=13	Pass
	2565	Outer Full	7.48	/	/	<=13	Pass
CP-OFDM 64 QAM	2505	Outer Full	7.99	/	/	<=13	Pass
	2535	Outer Full	10.36	/	/	<=13	Pass
	2565	Outer Full	7.59	/	/	<=13	Pass
CP-OFDM 256 QAM	2505	Outer Full	8.09	/	/	<=13	Pass
	2535	Outer Full	8.63	/	/	<=13	Pass
	2565	Outer Full	7.87	/	/	<=13	Pass

5.1.6 30k_SISO_15MHz_NTNV

5G NR n7 SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2507.5	Outer Full	5.68	/	/	<=13	Pass
	2535	Outer Full	5.75	/	/	<=13	Pass
	2562.5	Outer Full	7.05	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer Full	6.14	/	/	<=13	Pass

DFT-s-OFDM 64 QAM	2535	Outer Full	6.19	/	/	<=13	Pass
	2562.5	Outer Full	7.49	/	/	<=13	Pass
	2507.5	Outer Full	6.31	/	/	<=13	Pass
	2535	Outer Full	9.69	/	/	<=13	Pass
	2562.5	Outer Full	7.59	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer Full	6.26	/	/	<=13	Pass
	2535	Outer Full	12.42	/	/	<=13	Pass
	2562.5	Outer Full	7.64	/	/	<=13	Pass
CP-OFDM QPSK	2507.5	Outer Full	7.82	/	/	<=13	Pass
	2535	Outer Full	7.80	/	/	<=13	Pass
	2562.5	Outer Full	8.08	/	/	<=13	Pass
CP-OFDM 16 QAM	2507.5	Outer Full	7.92	/	/	<=13	Pass
	2535	Outer Full	7.97	/	/	<=13	Pass
	2562.5	Outer Full	8.16	/	/	<=13	Pass
CP-OFDM 64 QAM	2507.5	Outer Full	7.99	/	/	<=13	Pass
	2535	Outer Full	8.00	/	/	<=13	Pass
	2562.5	Outer Full	8.21	/	/	<=13	Pass
CP-OFDM 256 QAM	2507.5	Outer Full	8.20	/	/	<=13	Pass
	2535	Outer Full	9.70	/	/	<=13	Pass
	2562.5	Outer Full	8.29	/	/	<=13	Pass

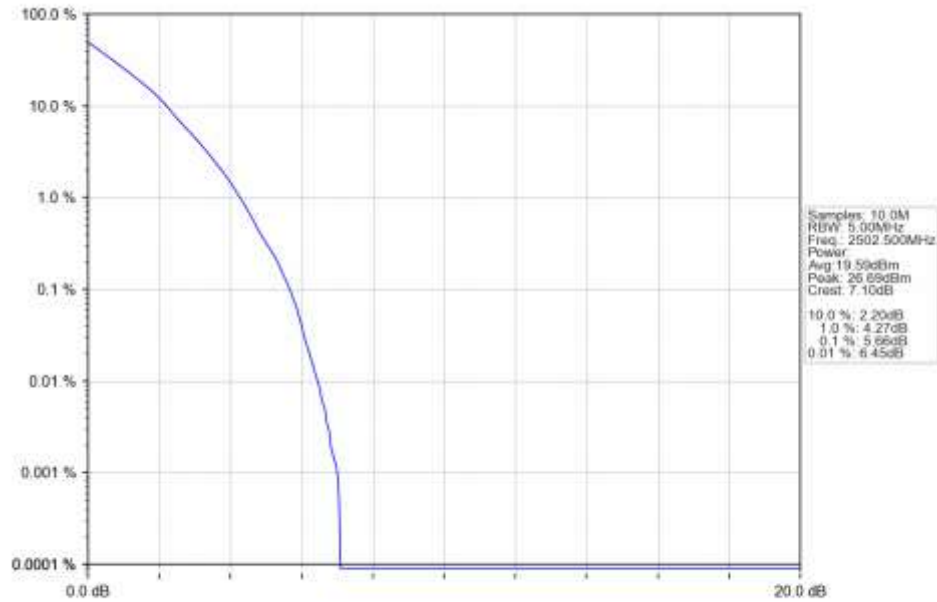
5.1.7 30k_SISO_20MHz_NTNV

5G NR n7 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	2510	Outer Full	6.63	/	/	<=13	Pass
	2535	Outer Full	7.05	/	/	<=13	Pass
	2560	Outer Full	5.27	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2510	Outer Full	7.13	/	/	<=13	Pass
	2535	Outer Full	7.45	/	/	<=13	Pass
	2560	Outer Full	6.03	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2510	Outer Full	7.23	/	/	<=13	Pass
	2535	Outer Full	6.46	/	/	<=13	Pass
	2560	Outer Full	6.12	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2510	Outer Full	7.38	/	/	<=13	Pass
	2535	Outer Full	6.42	/	/	<=13	Pass
	2560	Outer Full	6.21	/	/	<=13	Pass
CP-OFDM QPSK	2510	Outer Full	8.29	/	/	<=13	Pass
	2535	Outer Full	8.10	/	/	<=13	Pass
	2560	Outer Full	7.62	/	/	<=13	Pass
CP-OFDM 16 QAM	2510	Outer Full	8.29	/	/	<=13	Pass
	2535	Outer Full	8.09	/	/	<=13	Pass
	2560	Outer Full	7.72	/	/	<=13	Pass
CP-OFDM 64 QAM	2510	Outer Full	8.30	/	/	<=13	Pass
	2535	Outer Full	8.07	/	/	<=13	Pass
	2560	Outer Full	7.81	/	/	<=13	Pass
CP-OFDM 256 QAM	2510	Outer Full	8.43	/	/	<=13	Pass
	2535	Outer Full	11.34	/	/	<=13	Pass
	2560	Outer Full	8.21	/	/	<=13	Pass

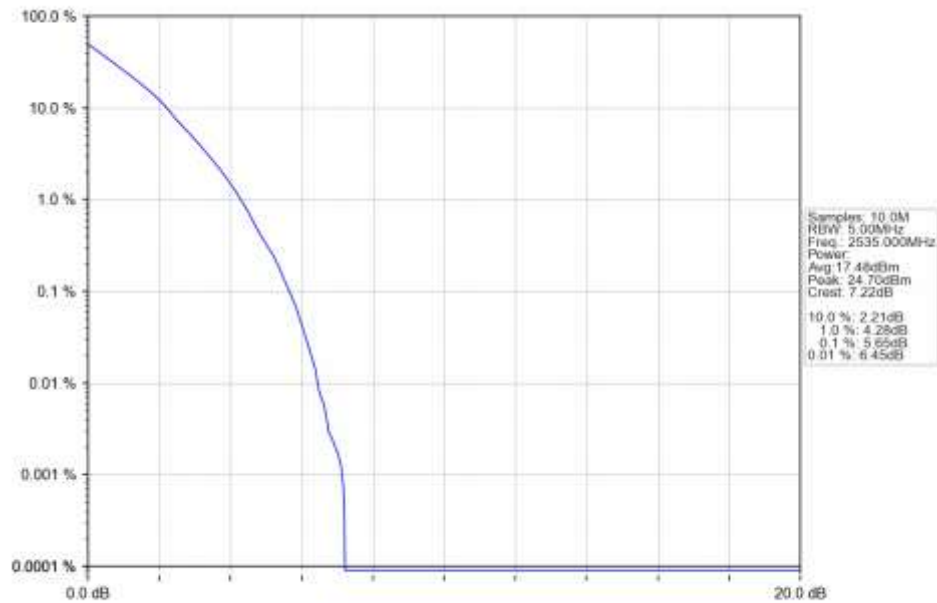
5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

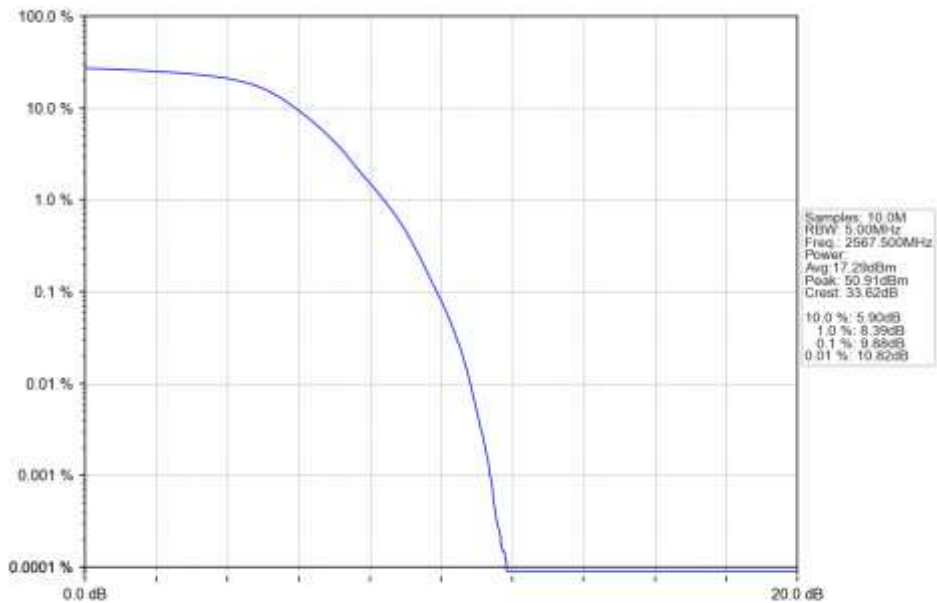
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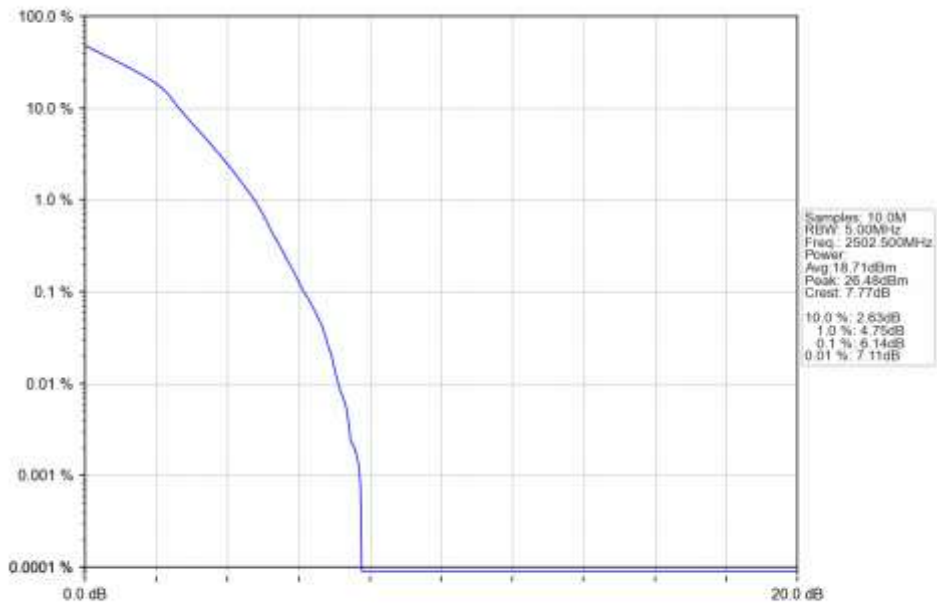
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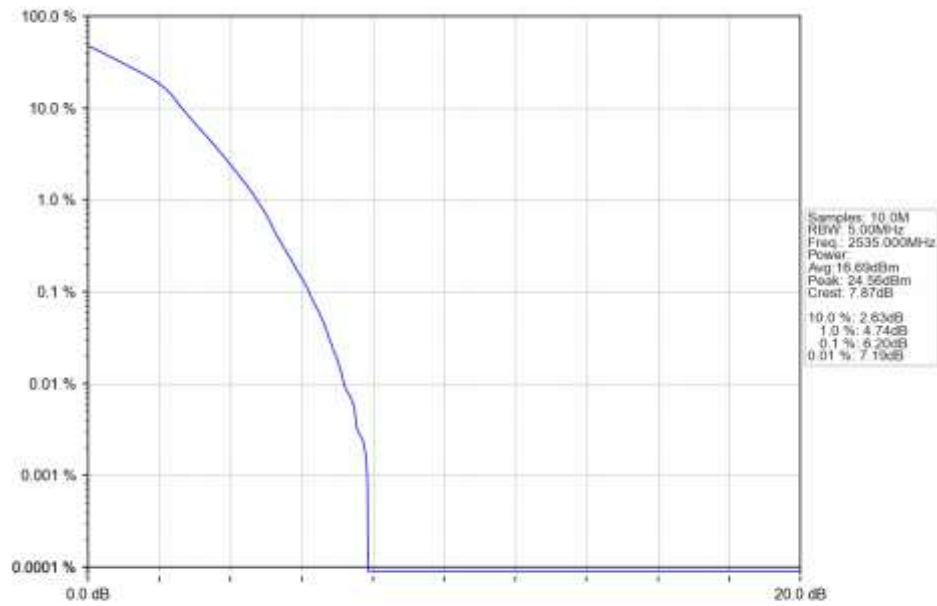
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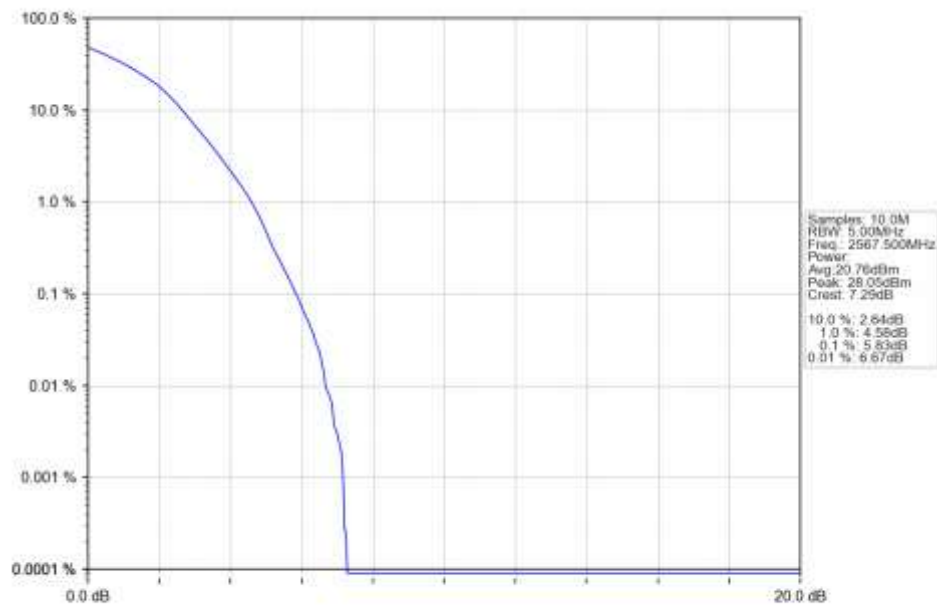
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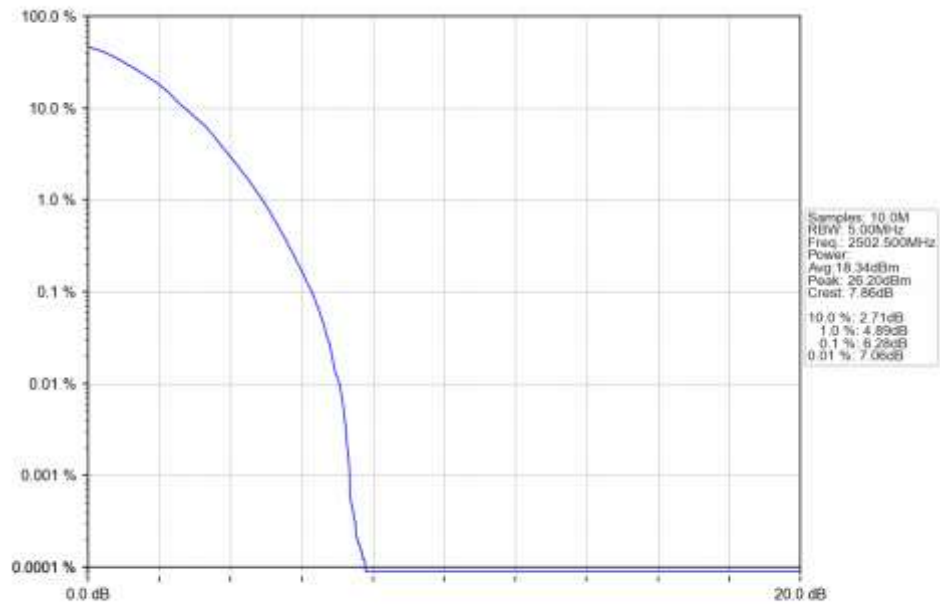
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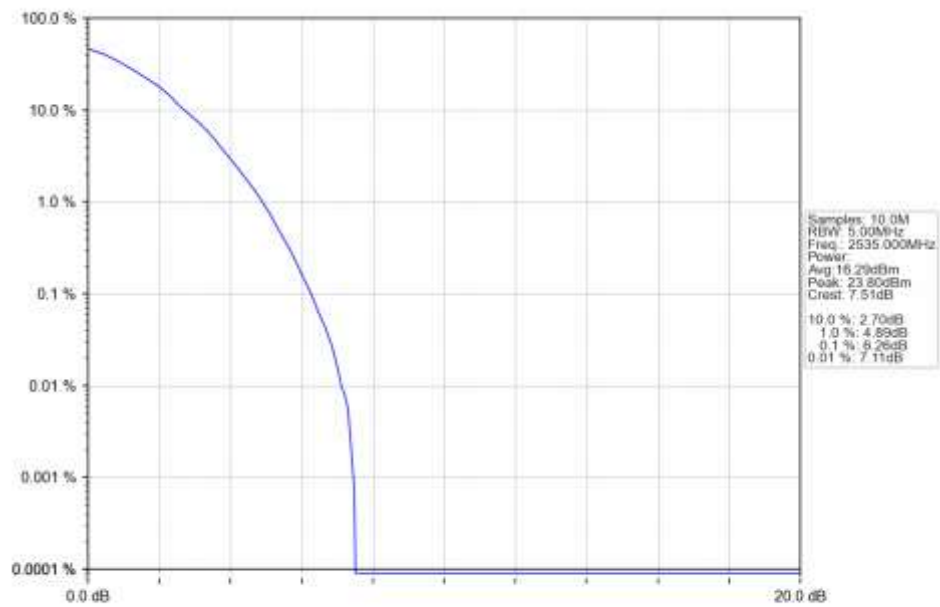
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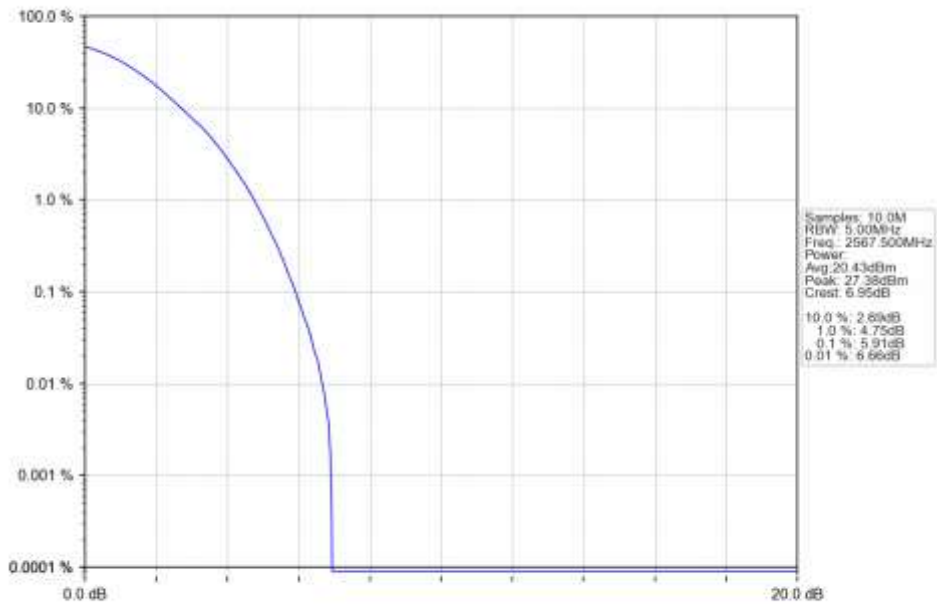
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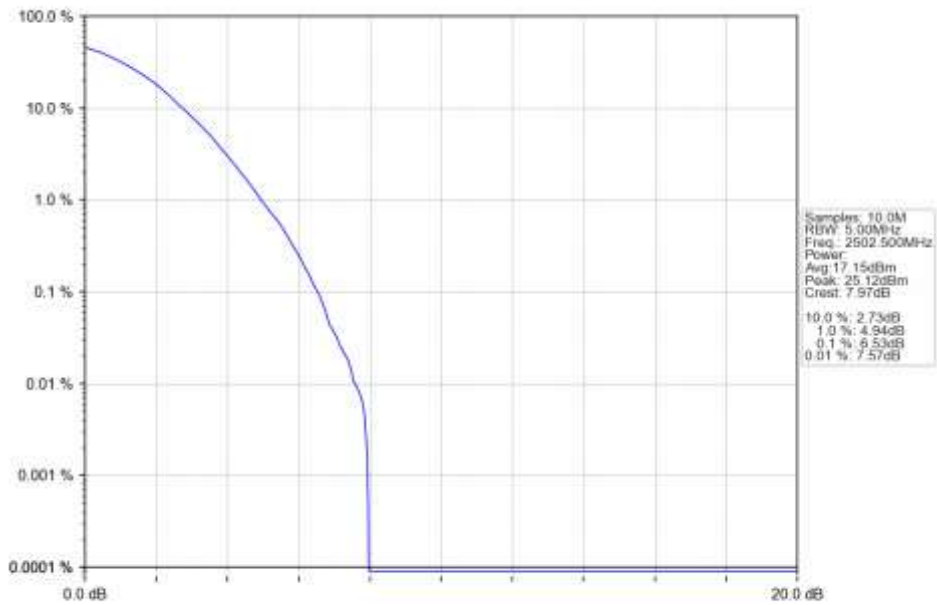
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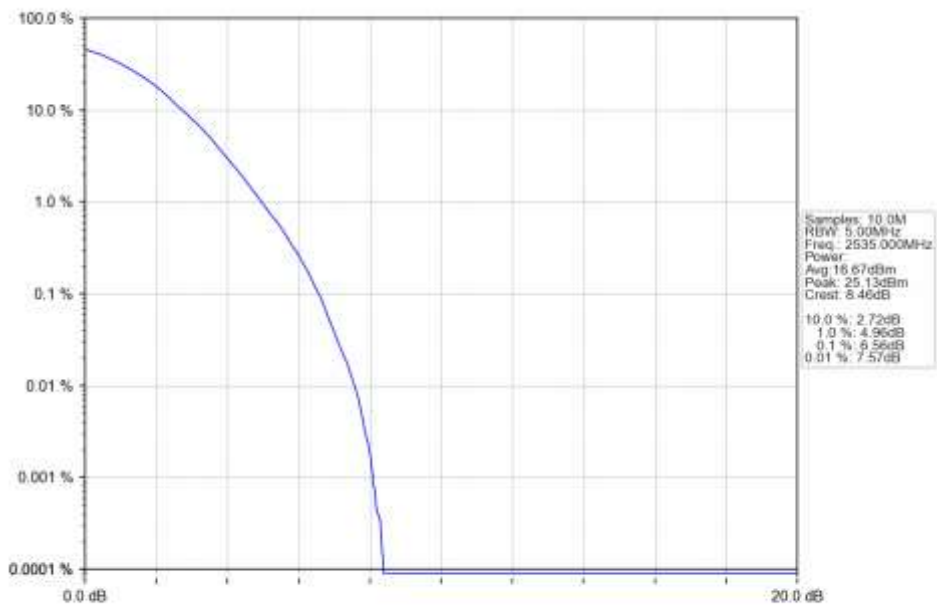
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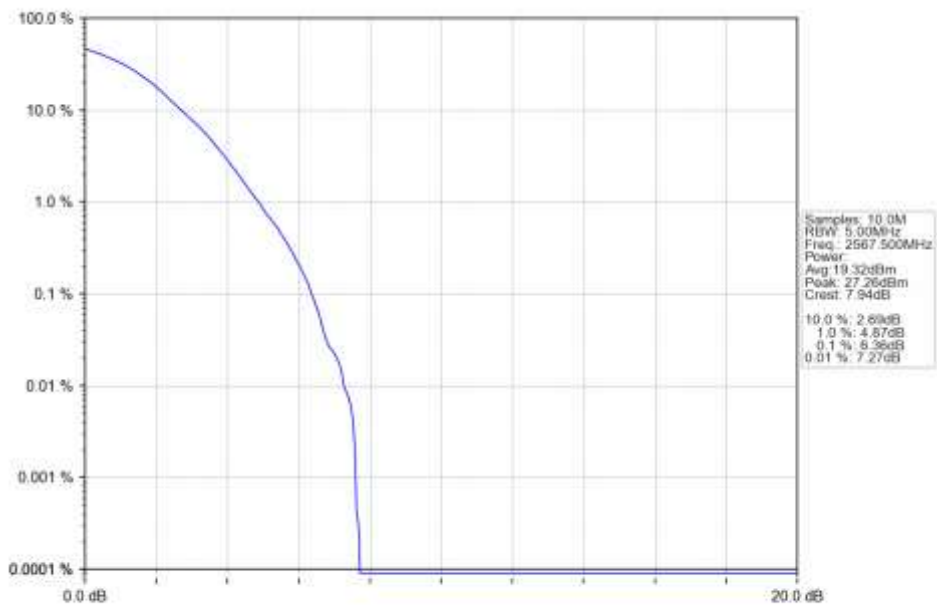
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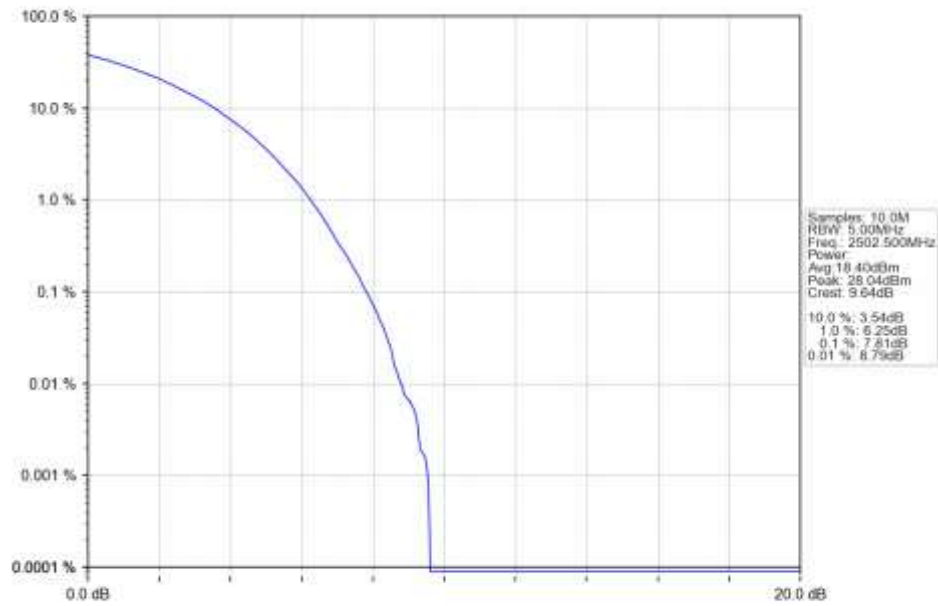
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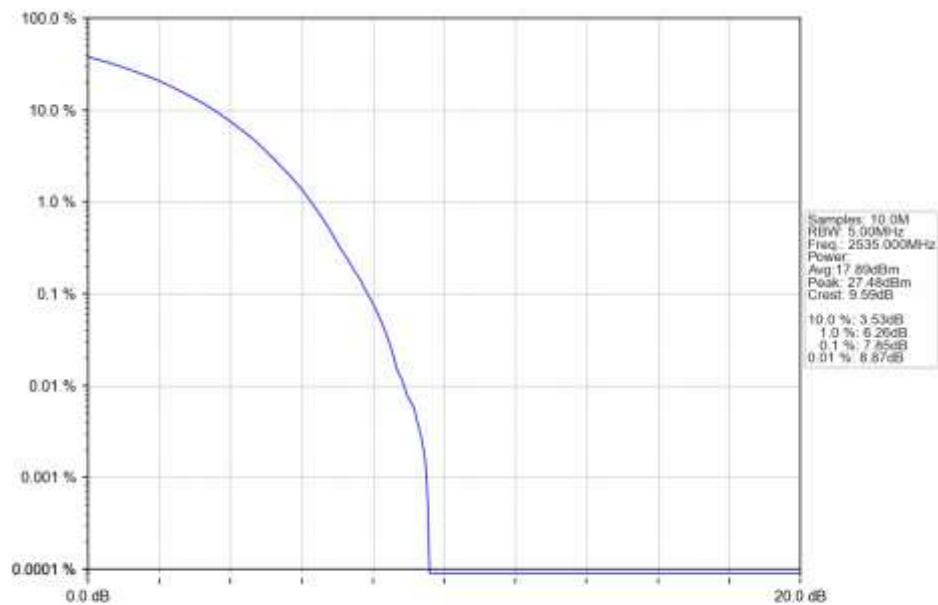
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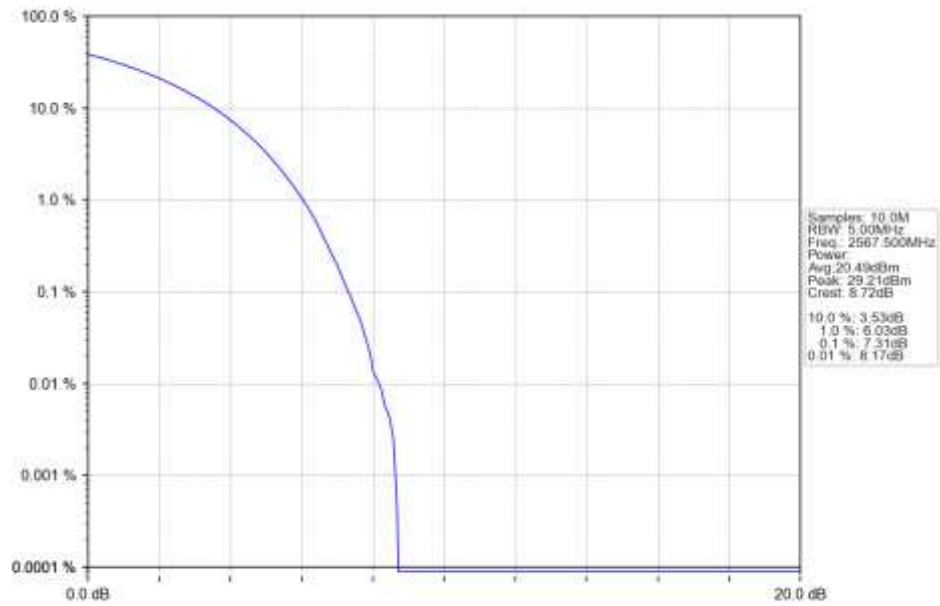
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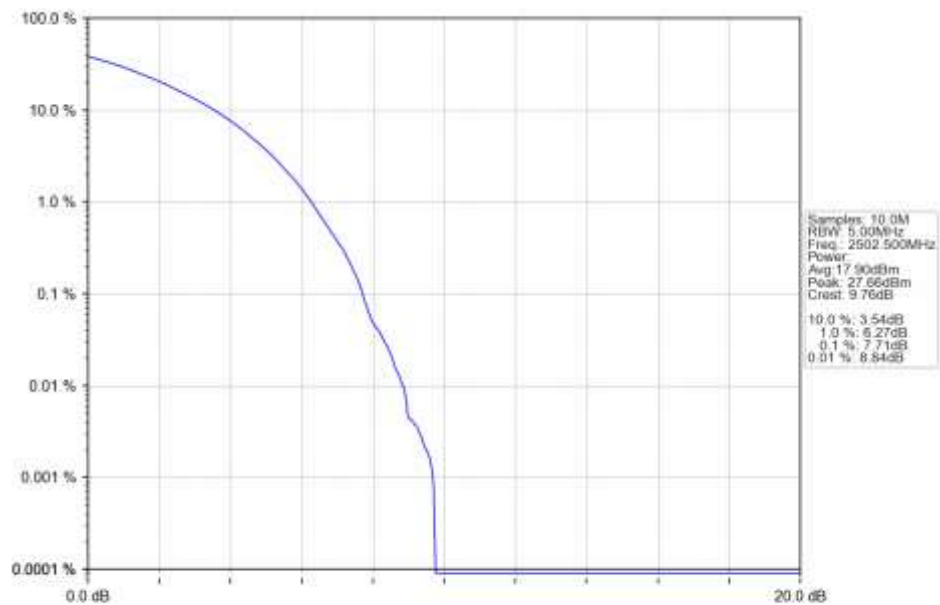
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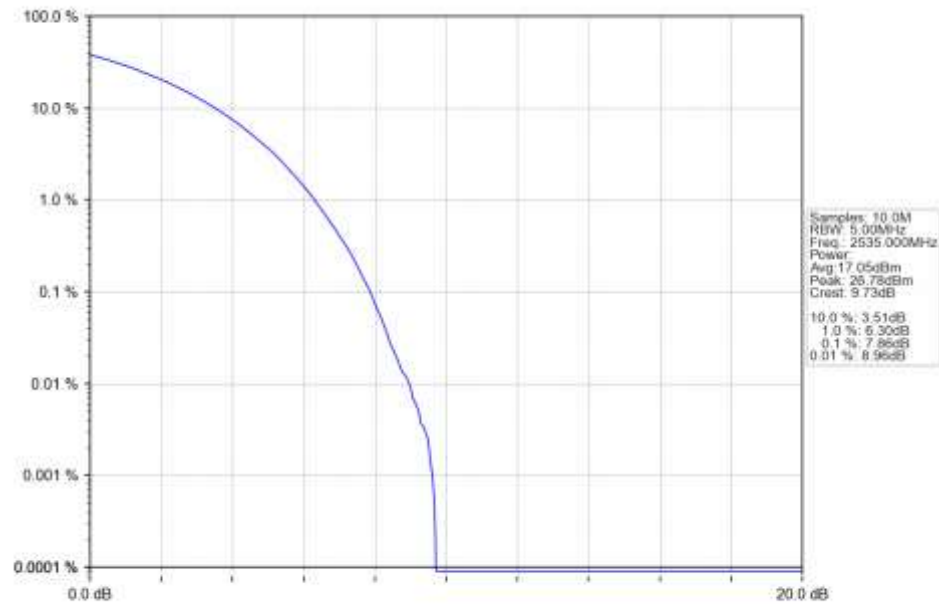
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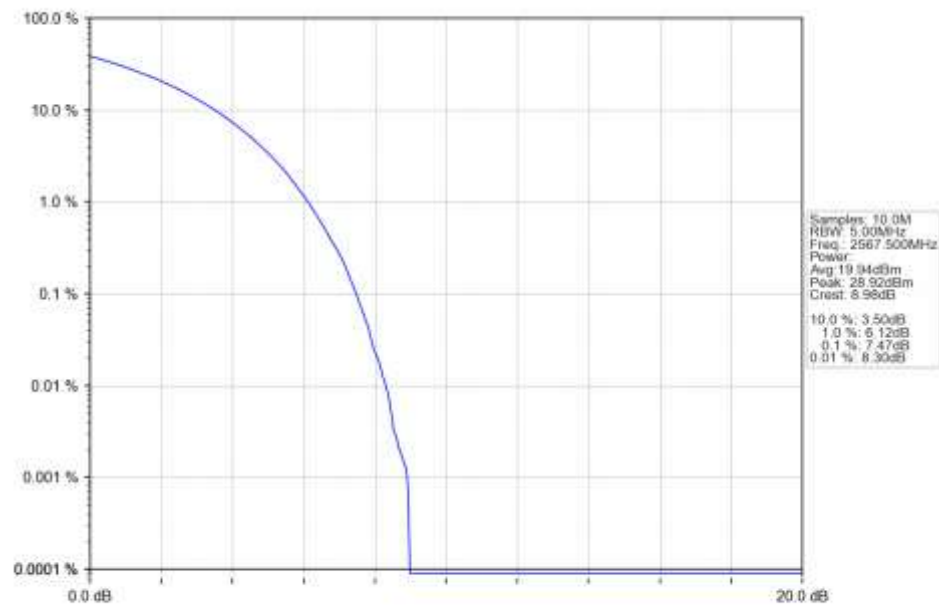
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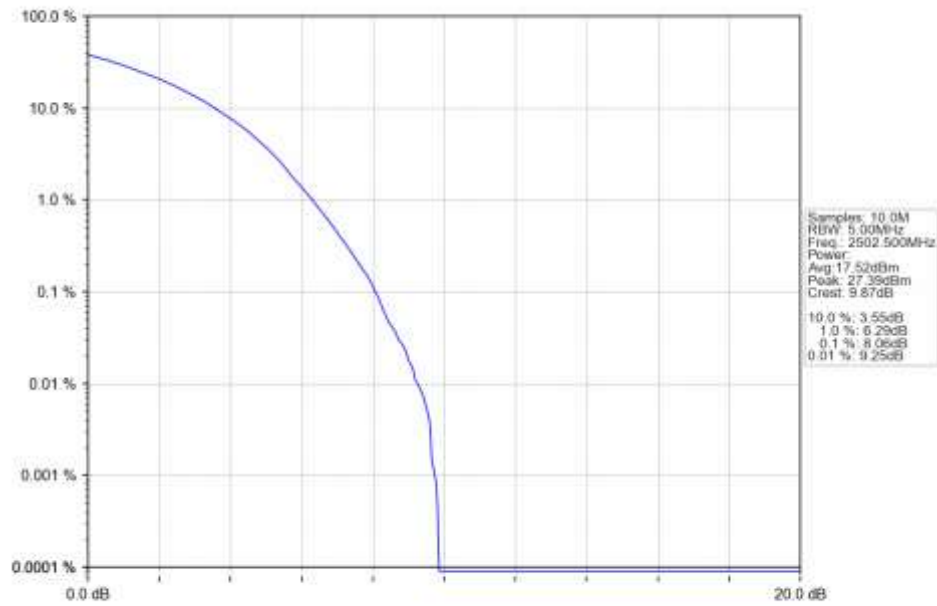
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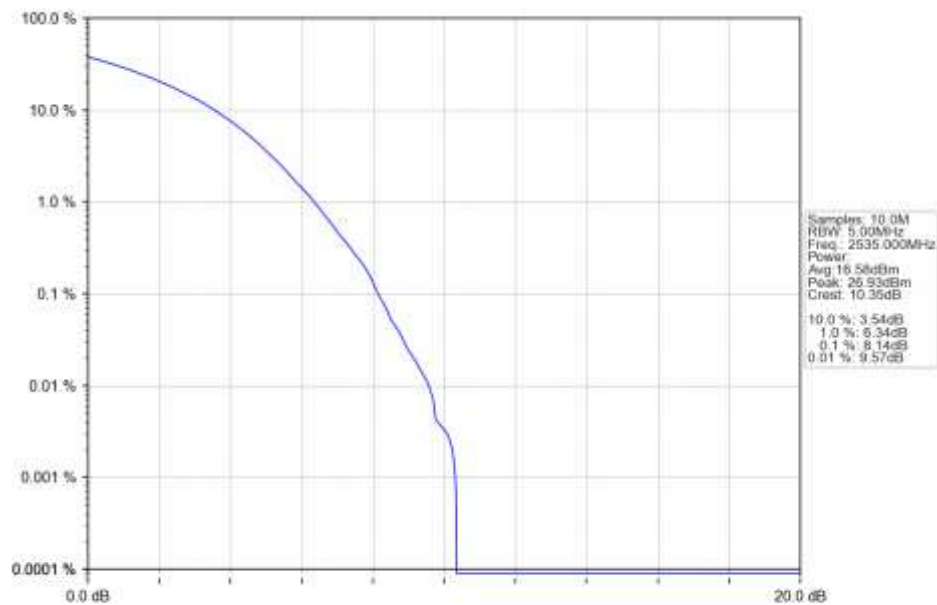
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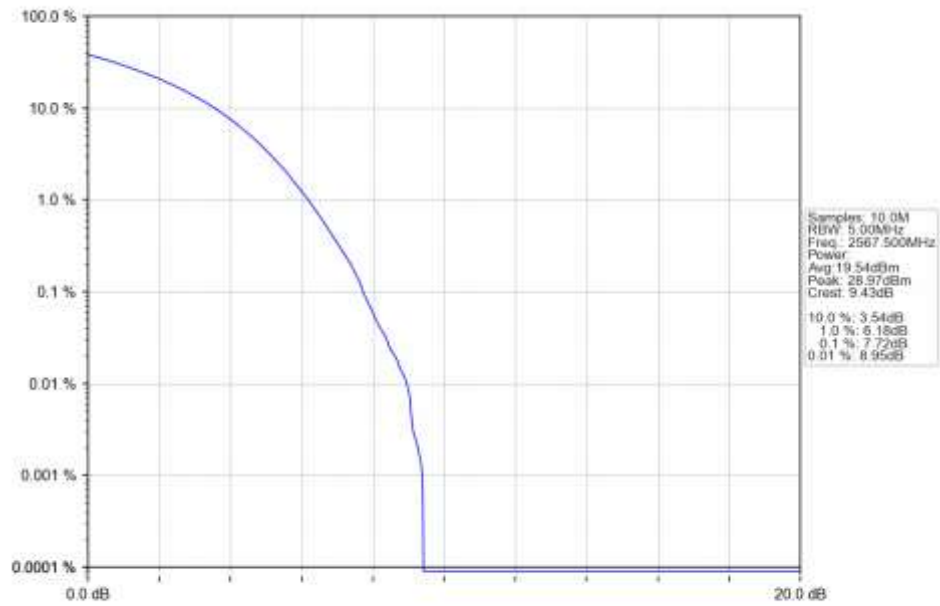
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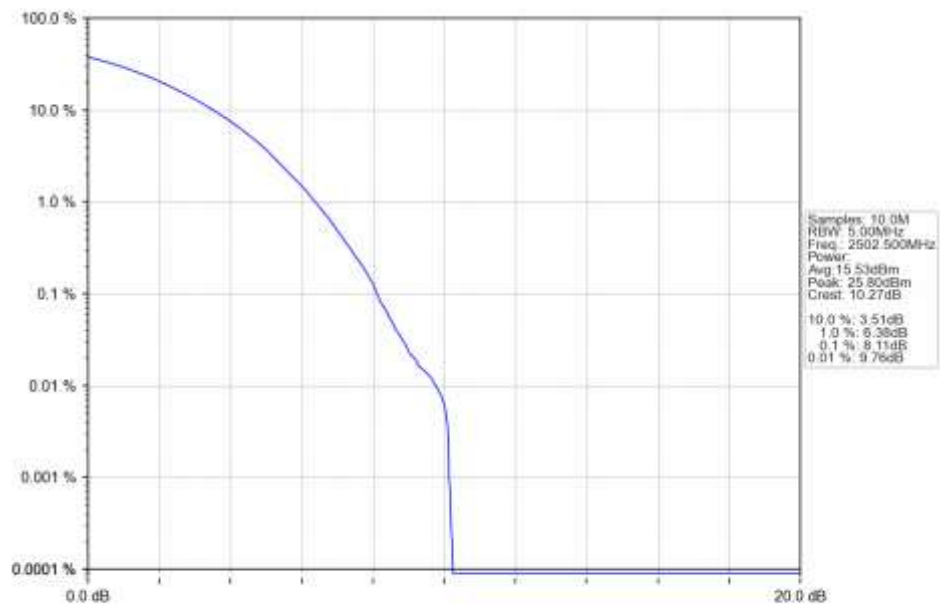
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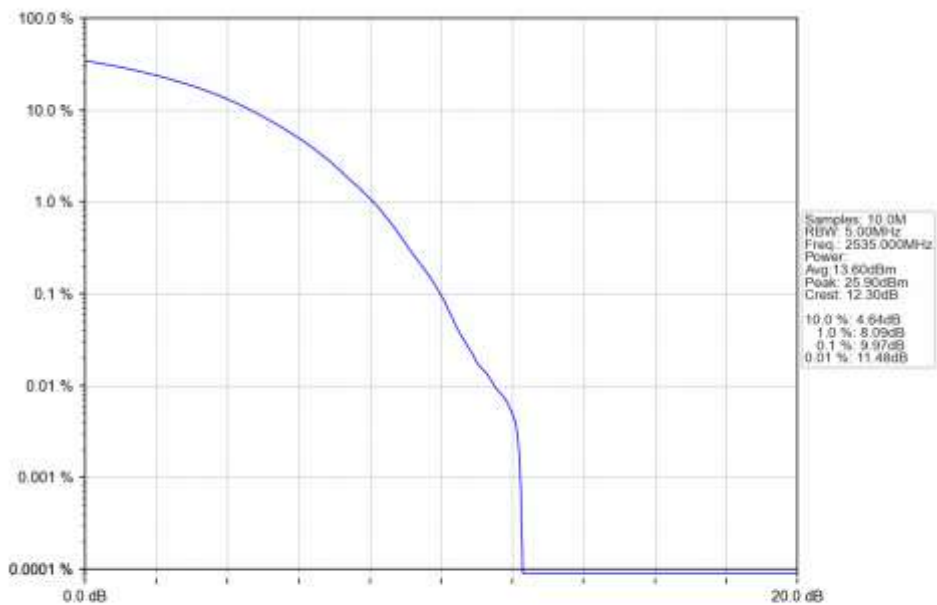
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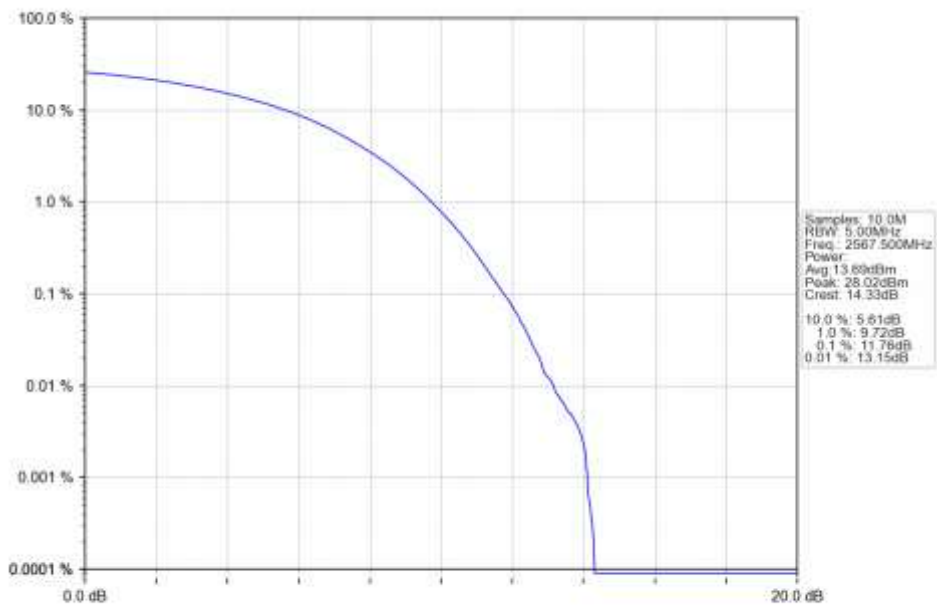
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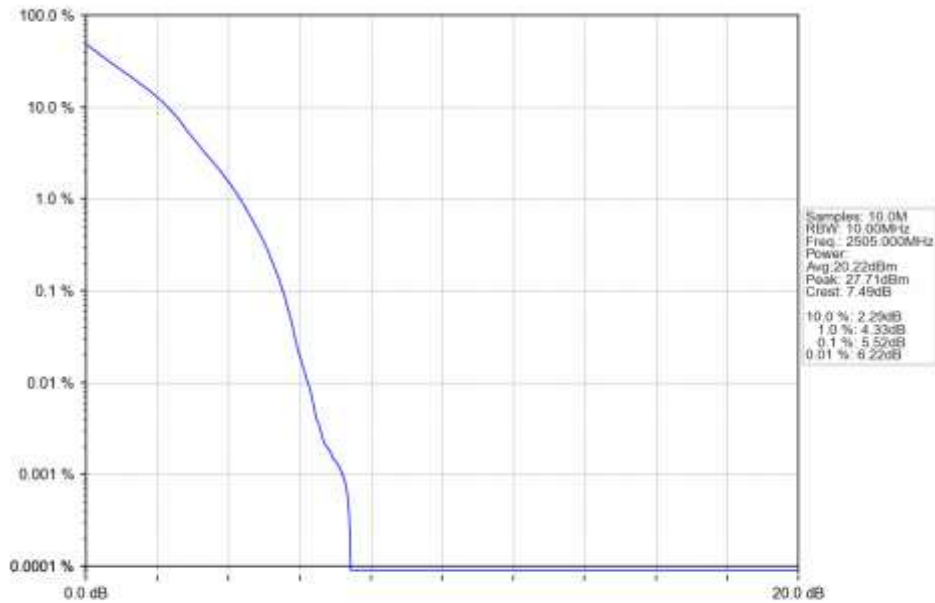


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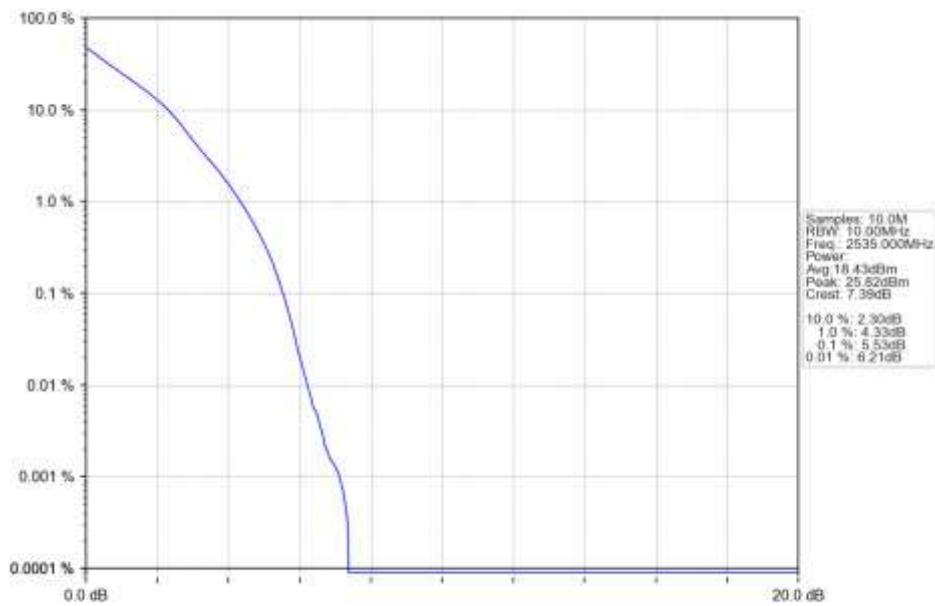


5.2.2 15k_SISO_10MHz_NTNV

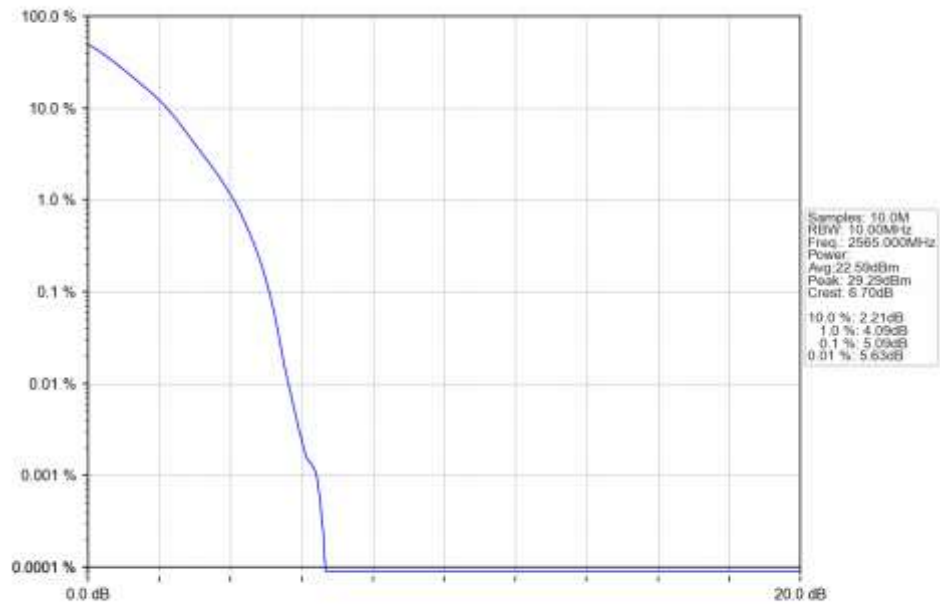
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n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2535MHz_Outer_Full_Ant1



n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2565MHz_Outer_Full_Ant1



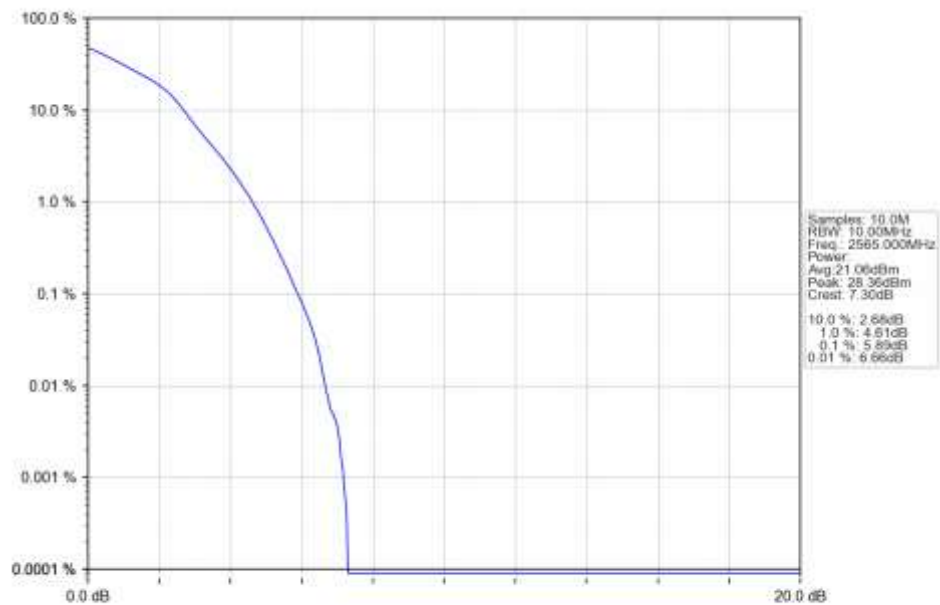
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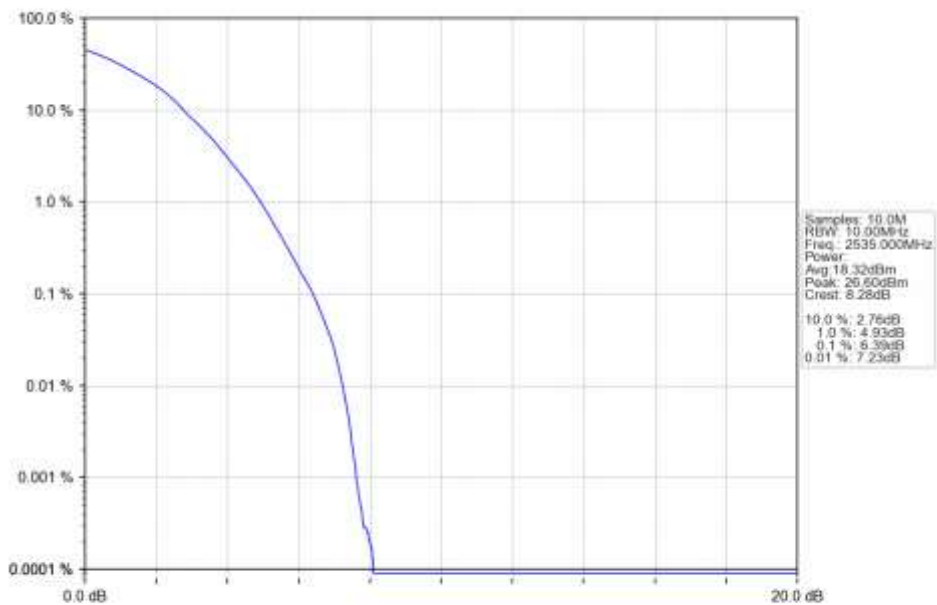
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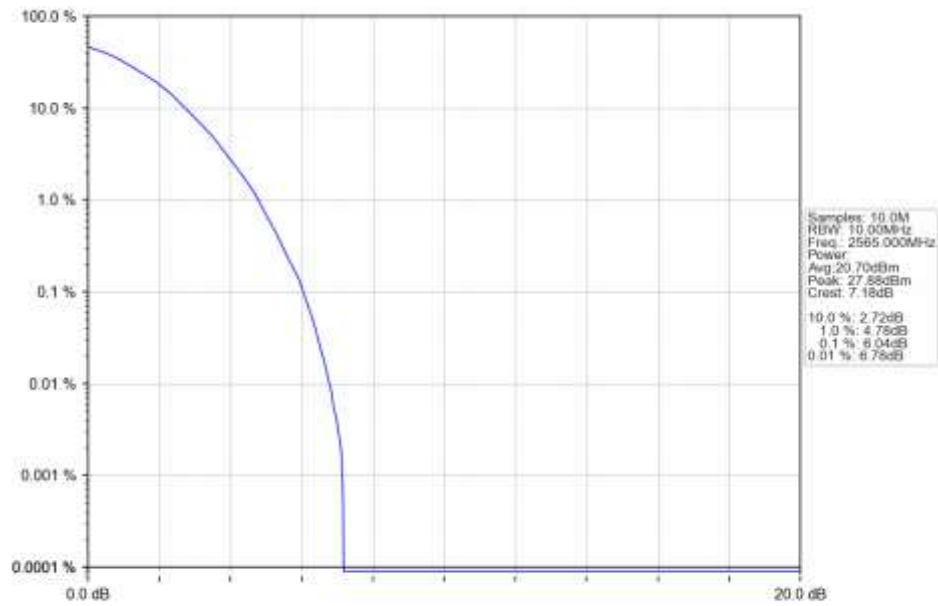
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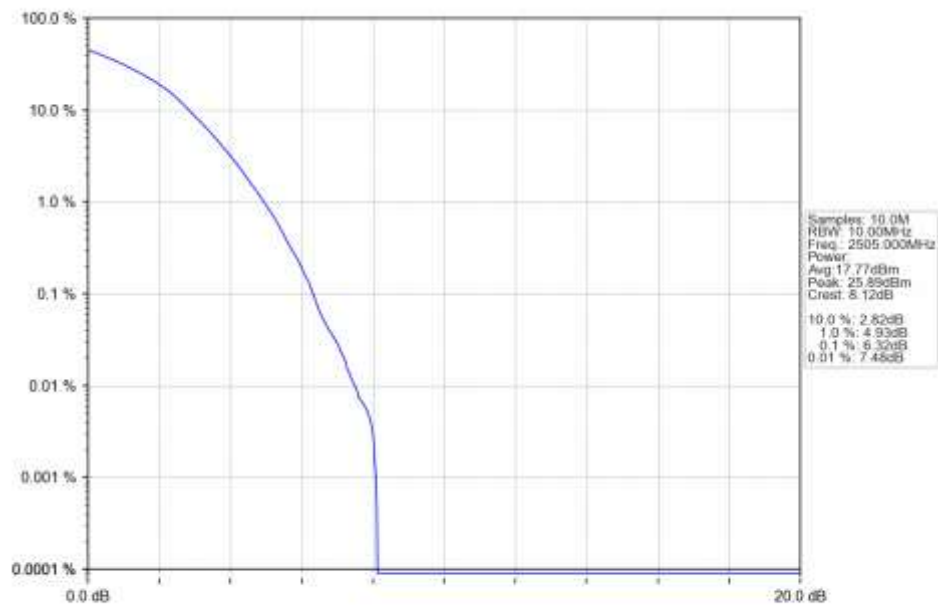
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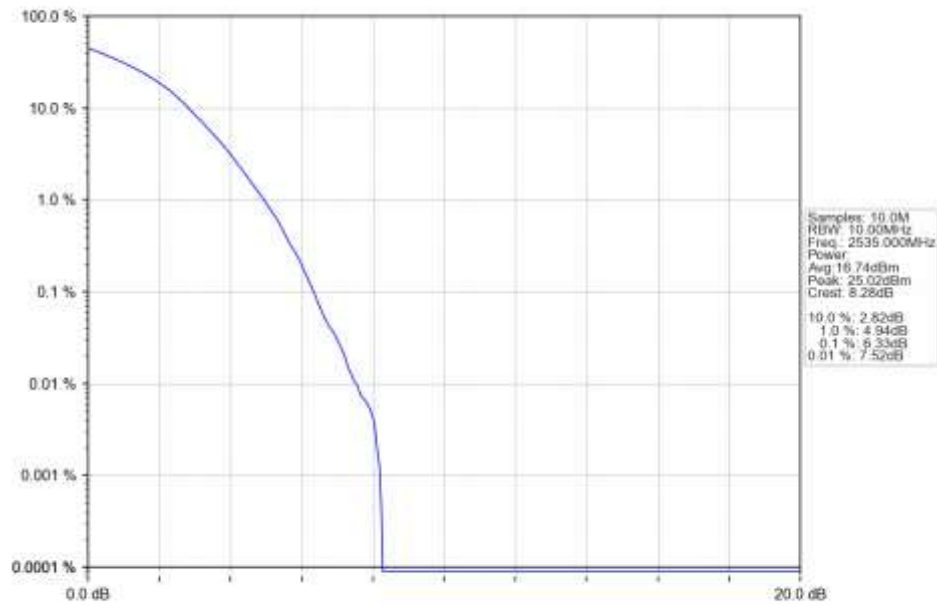
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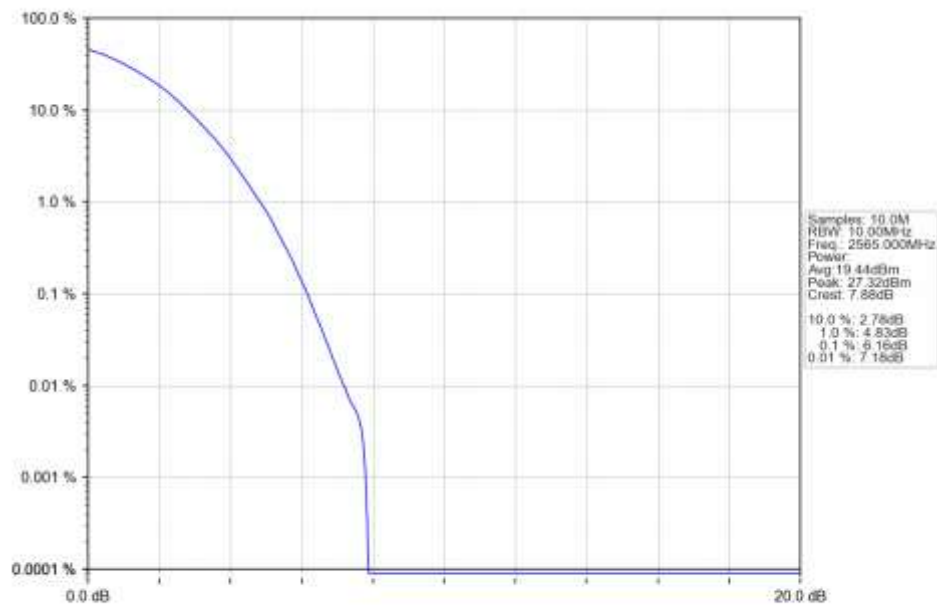
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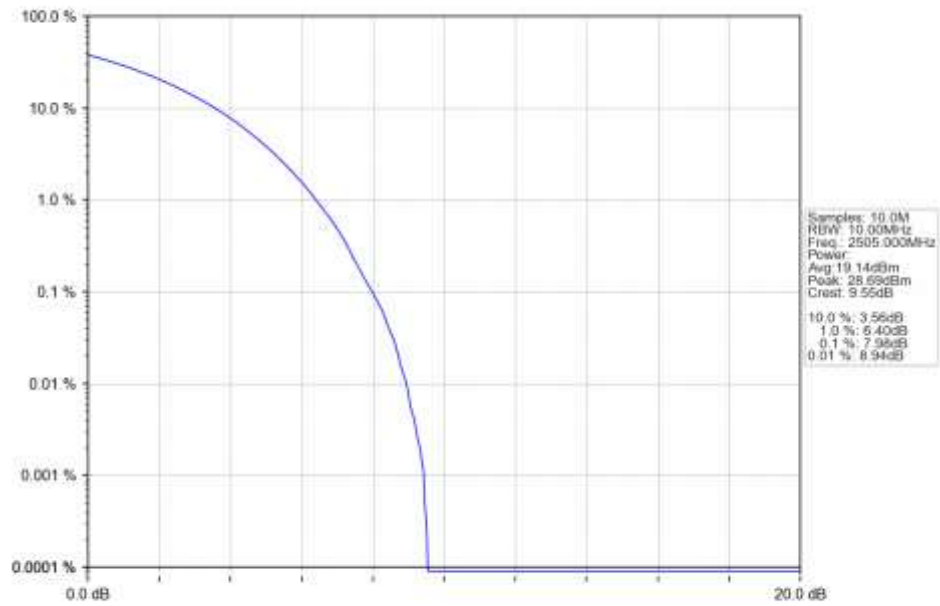
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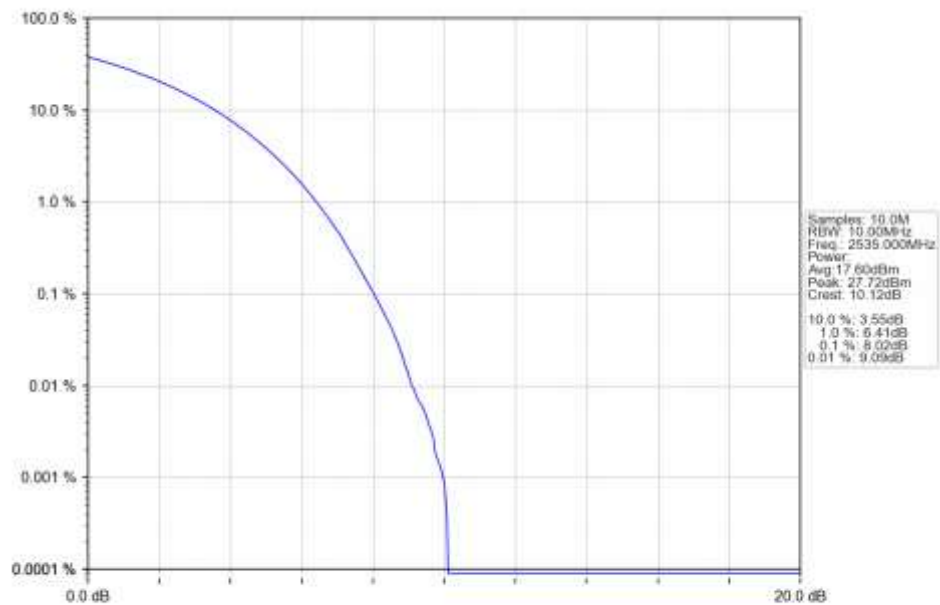
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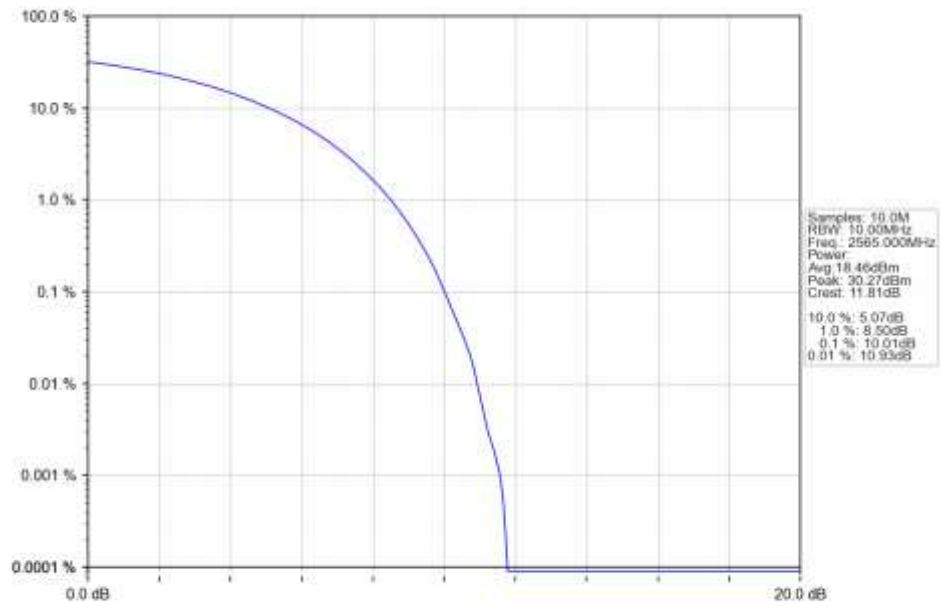
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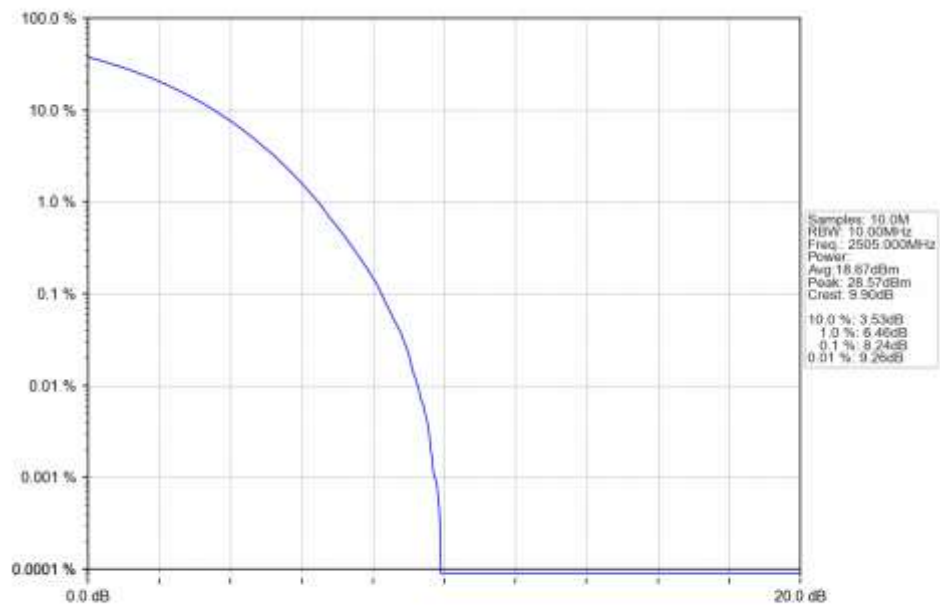
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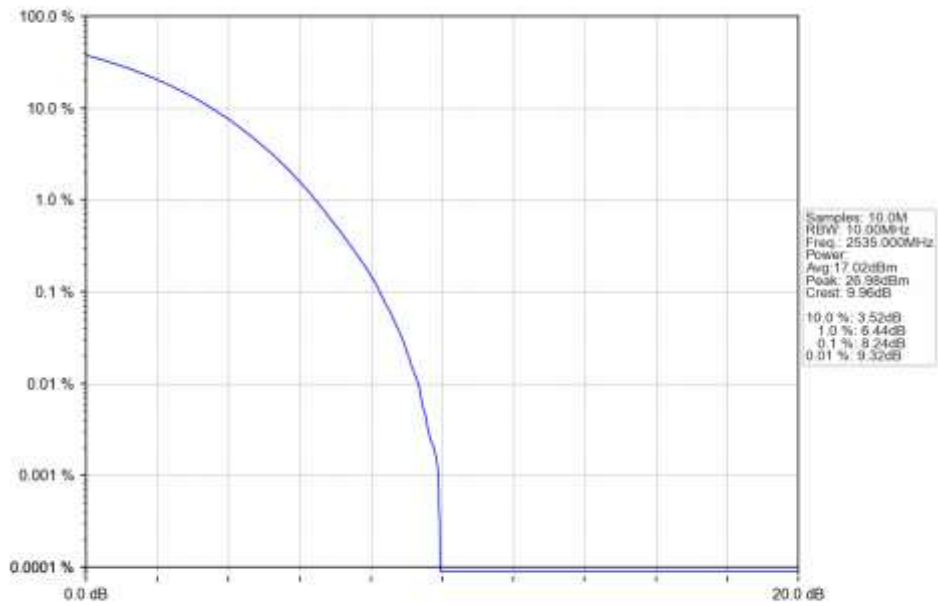
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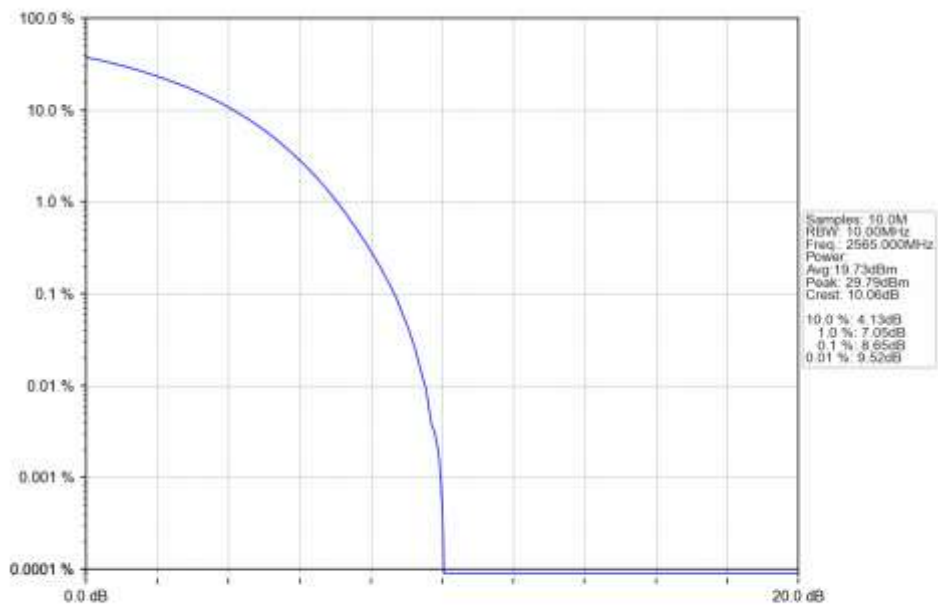
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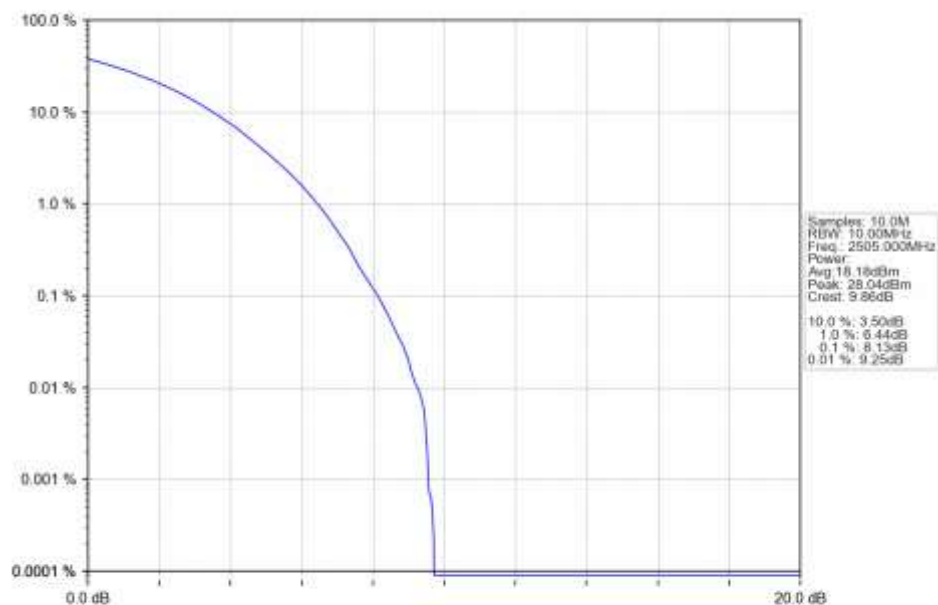
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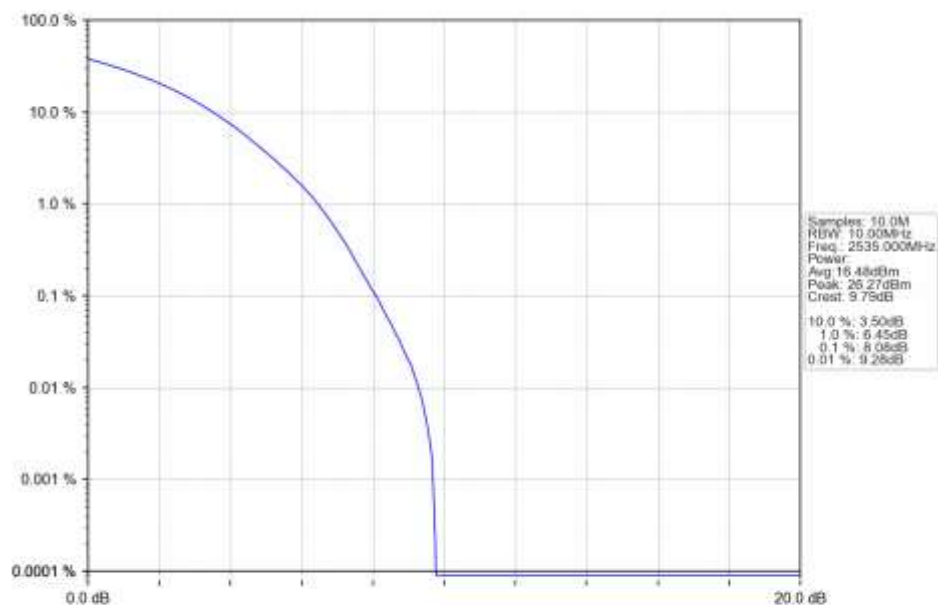
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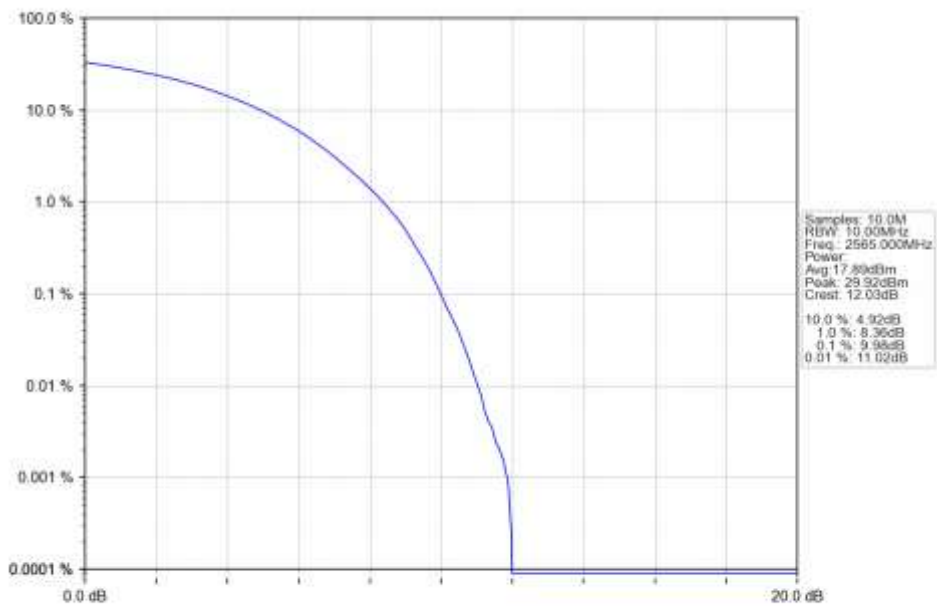
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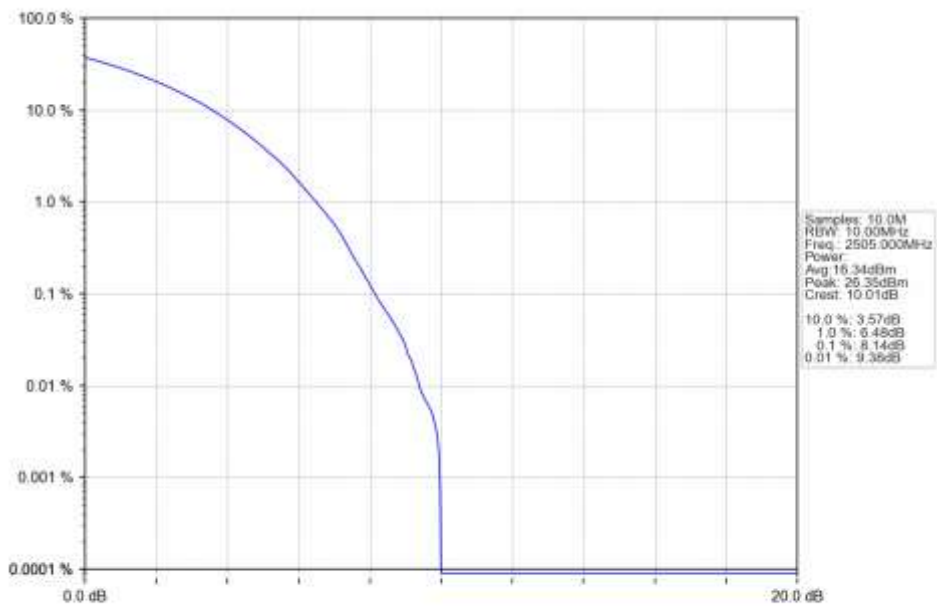
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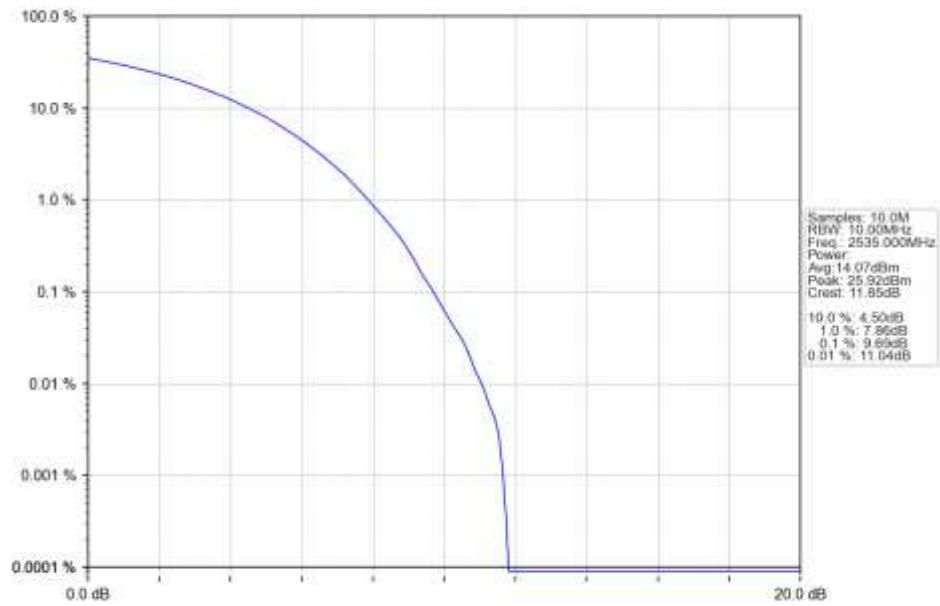
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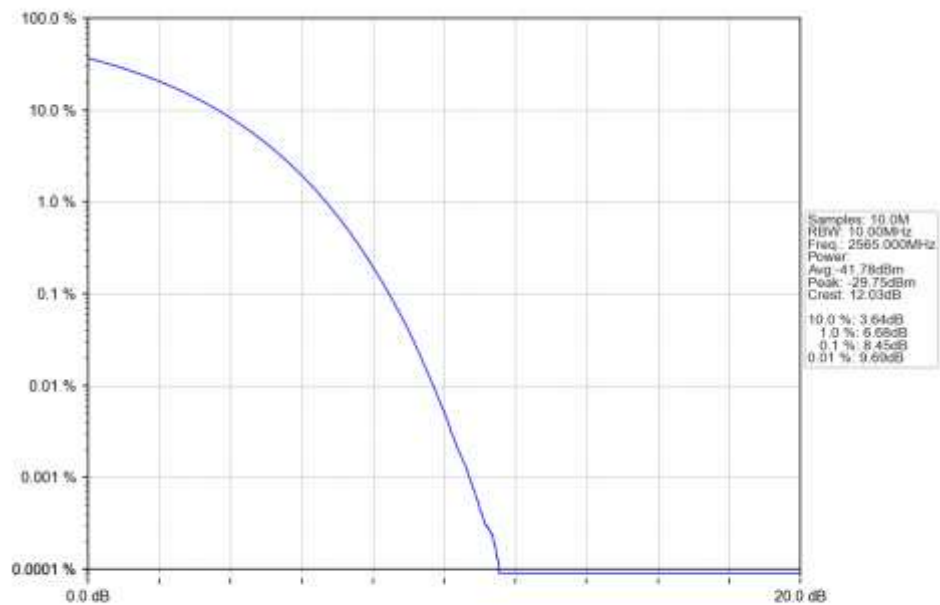
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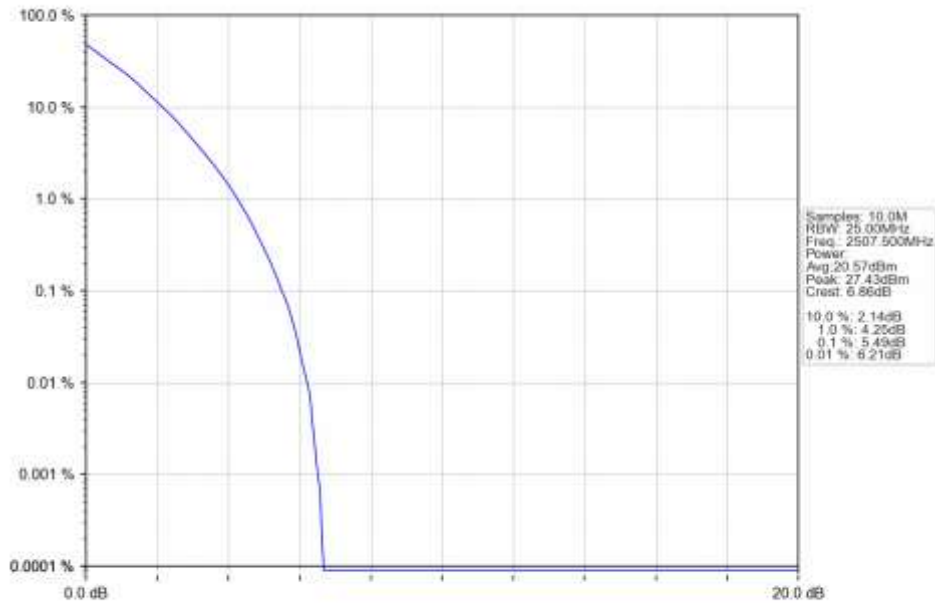


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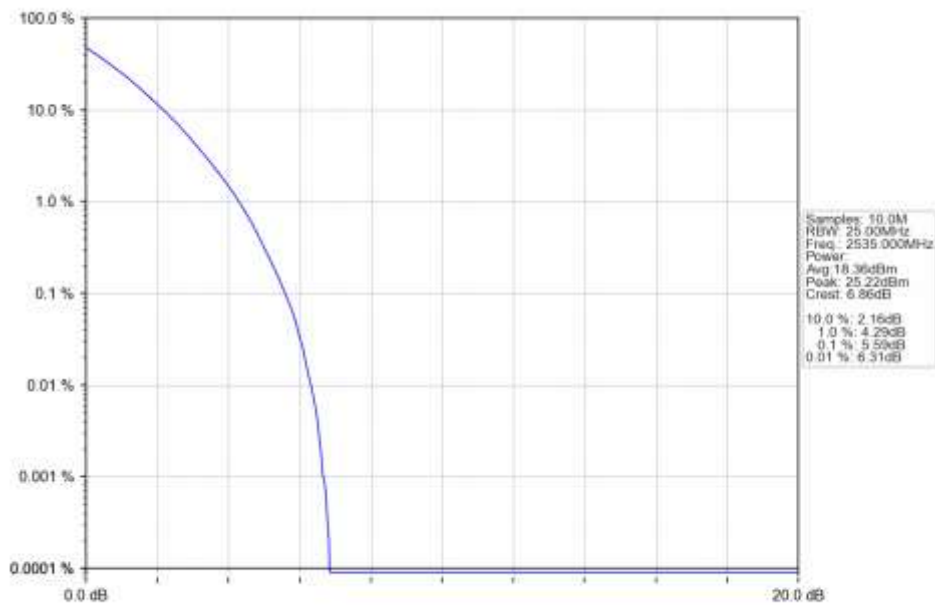


5.2.3 15k_SISO_15MHz_NTNV

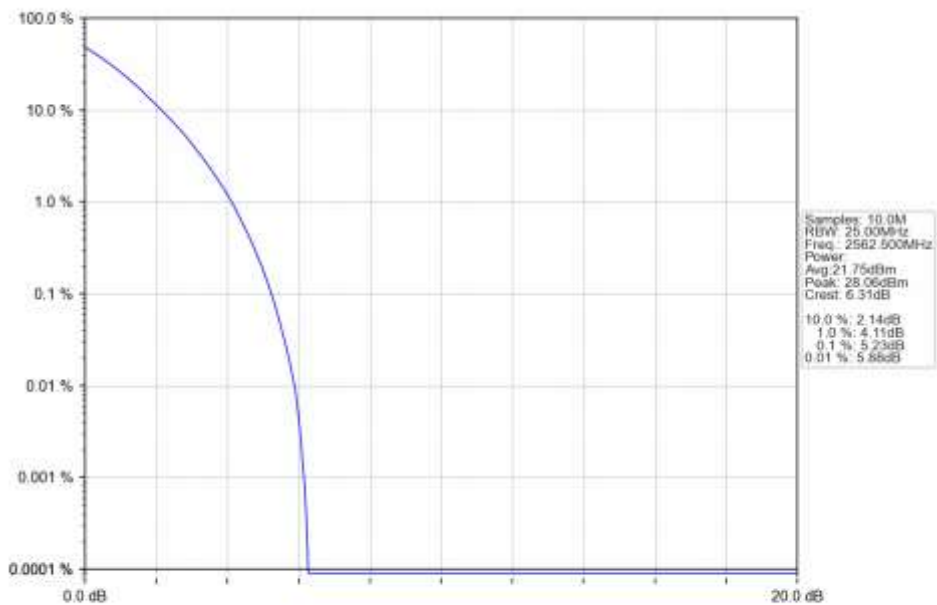
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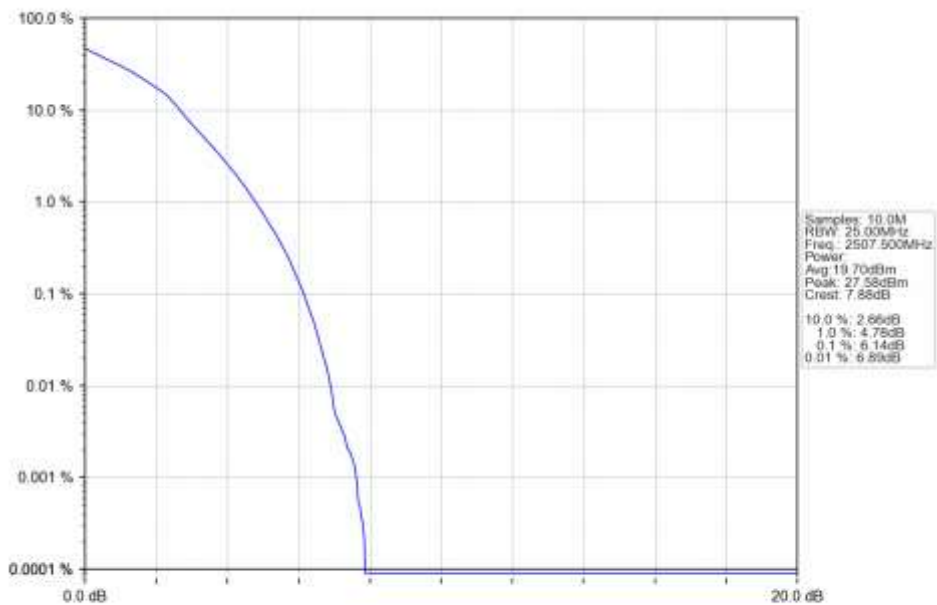
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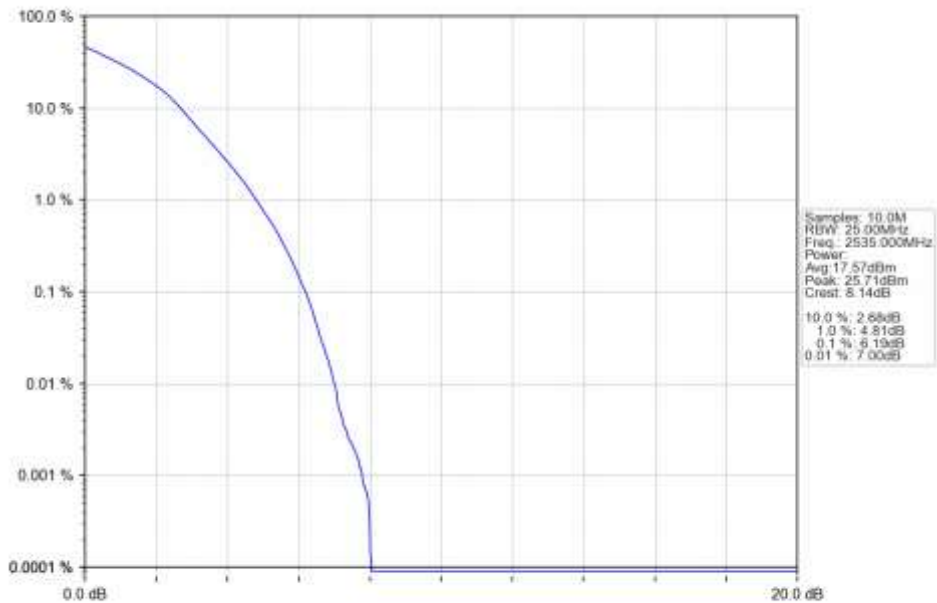
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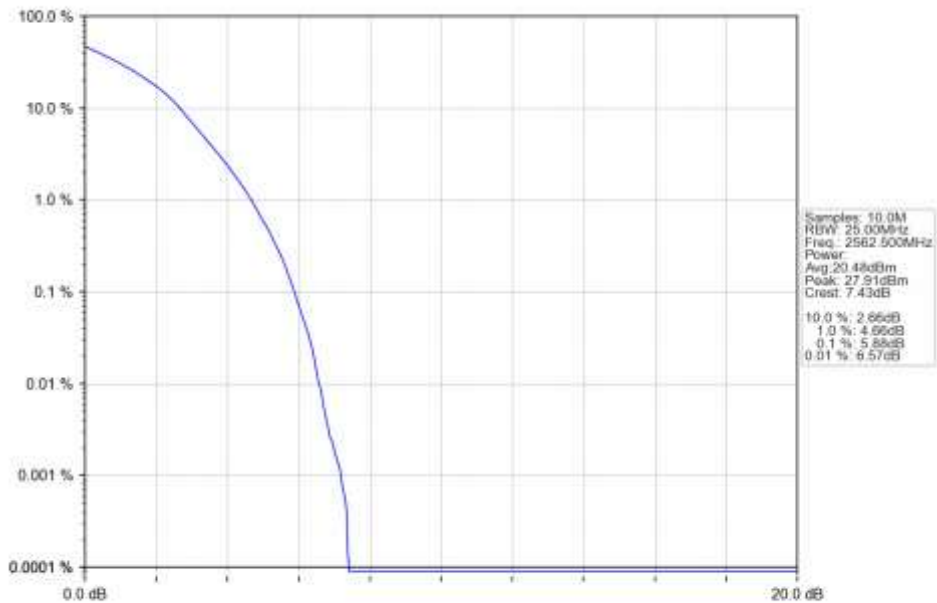
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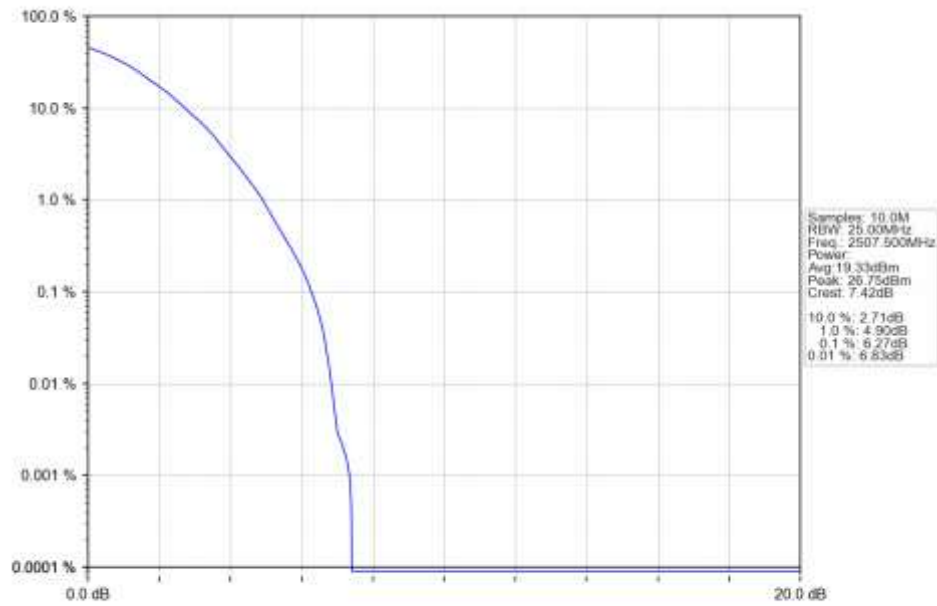
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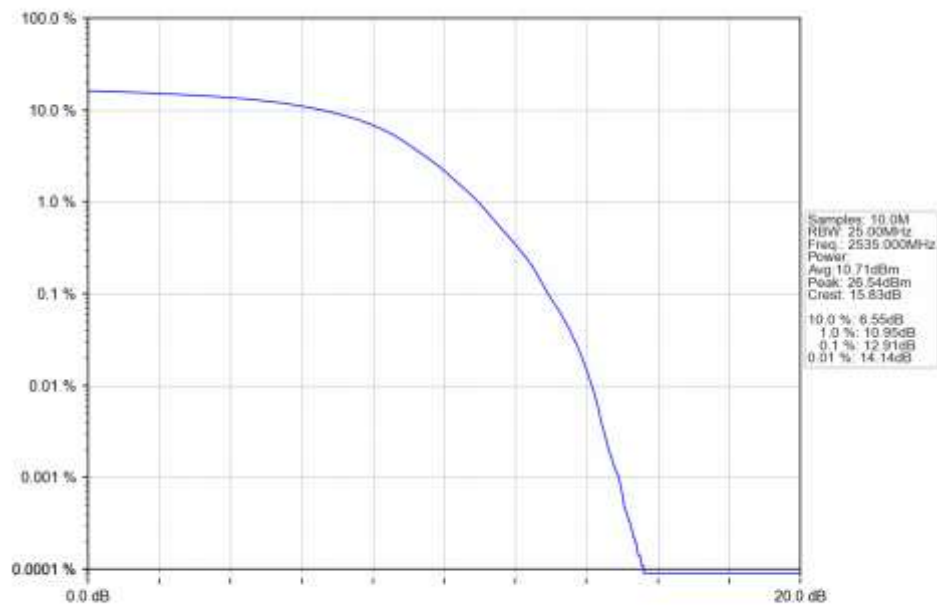
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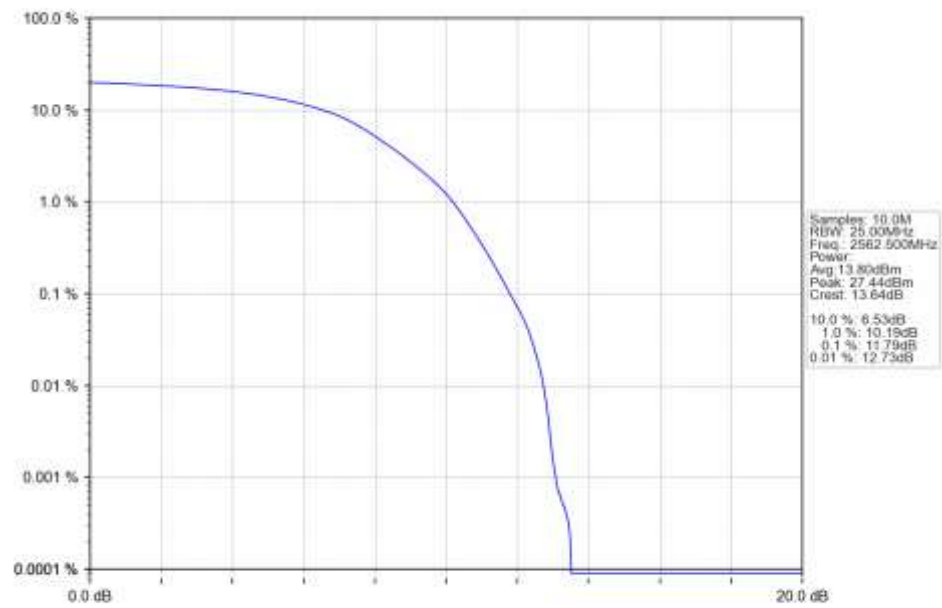
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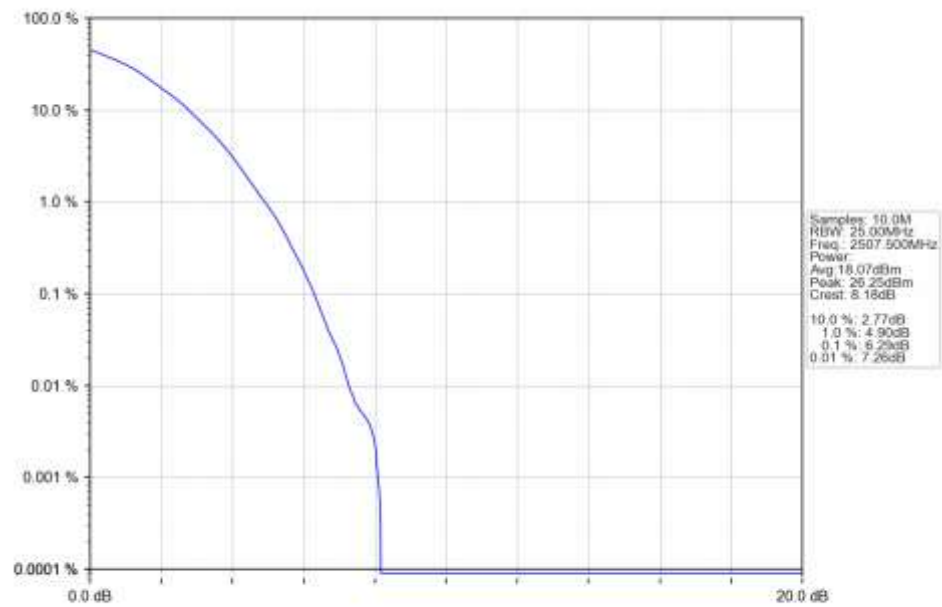
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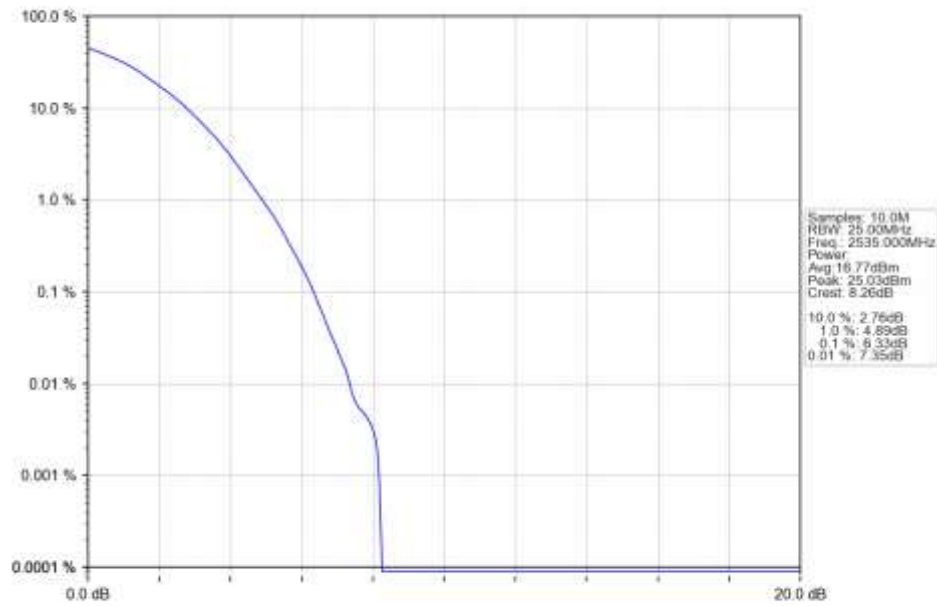
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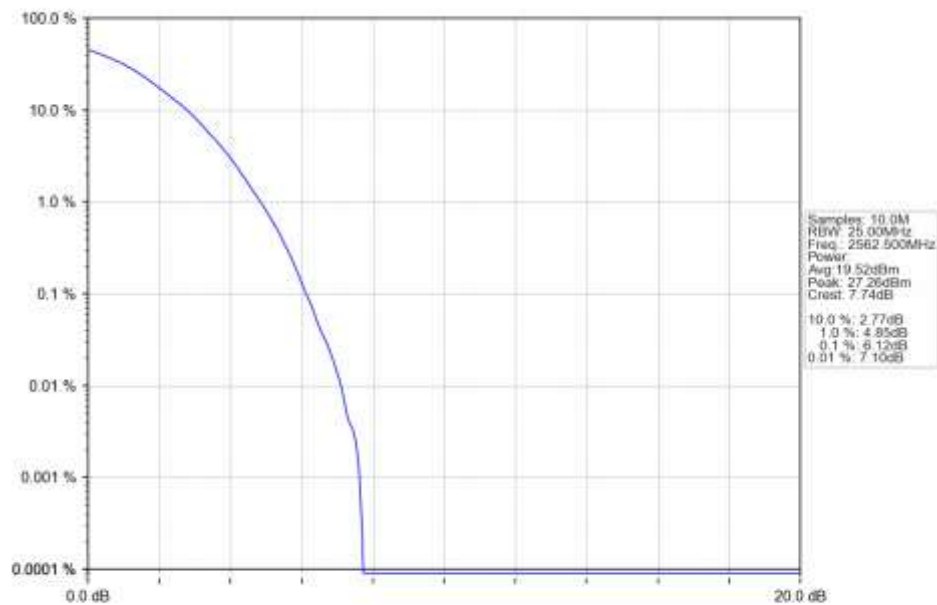
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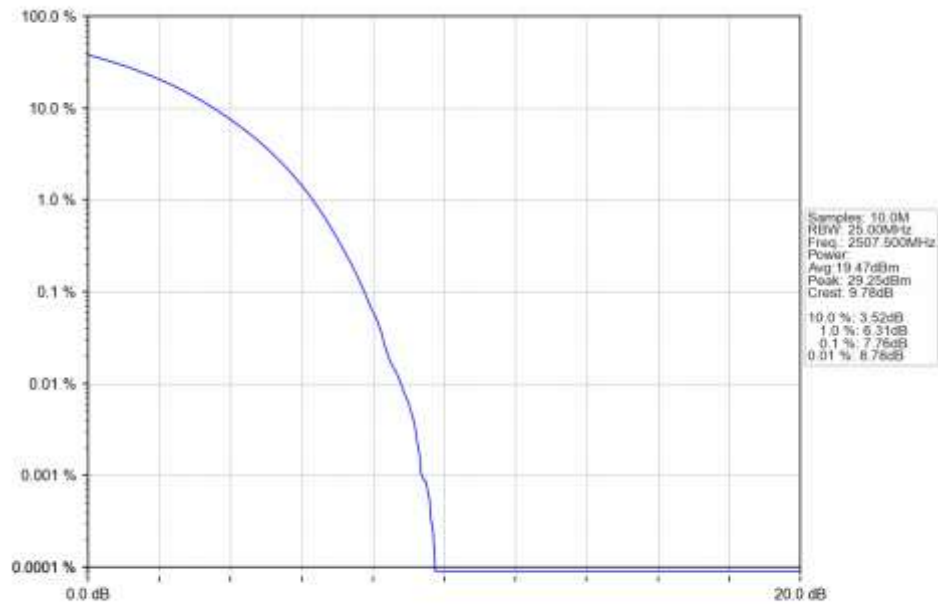
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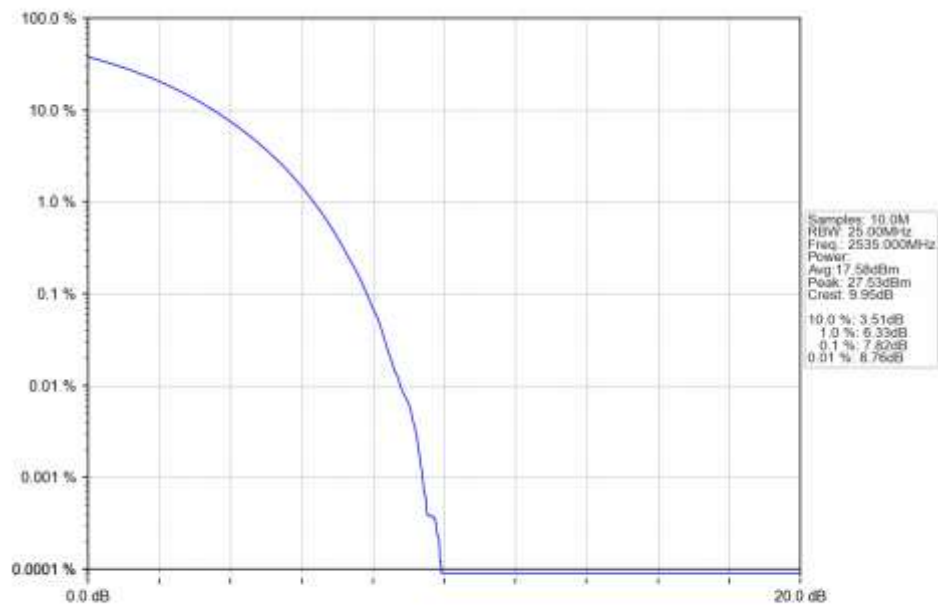
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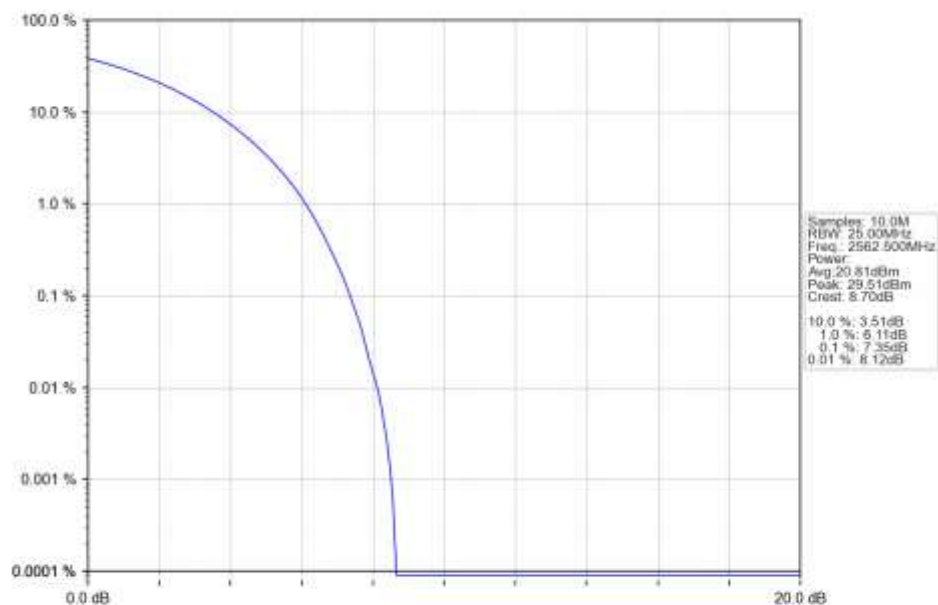
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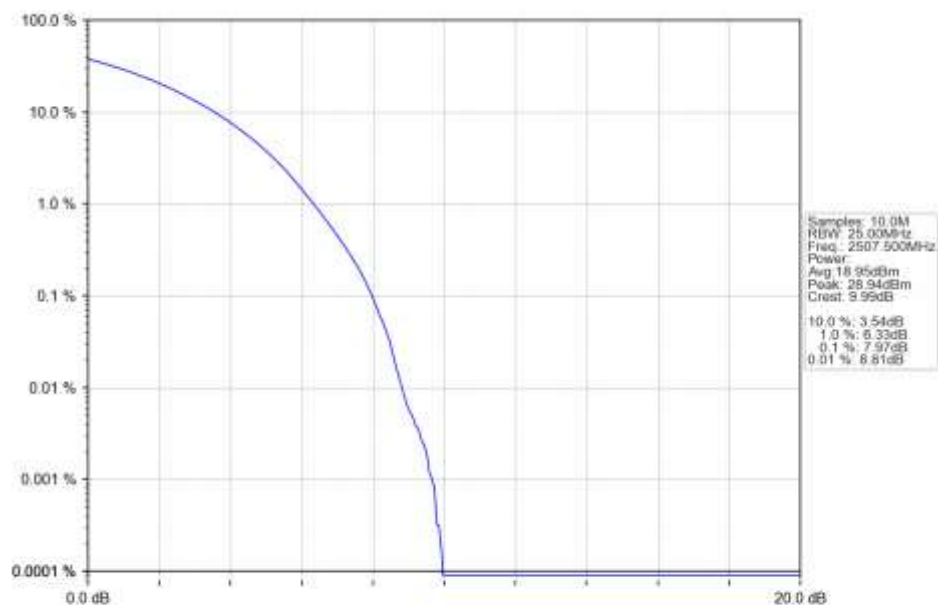
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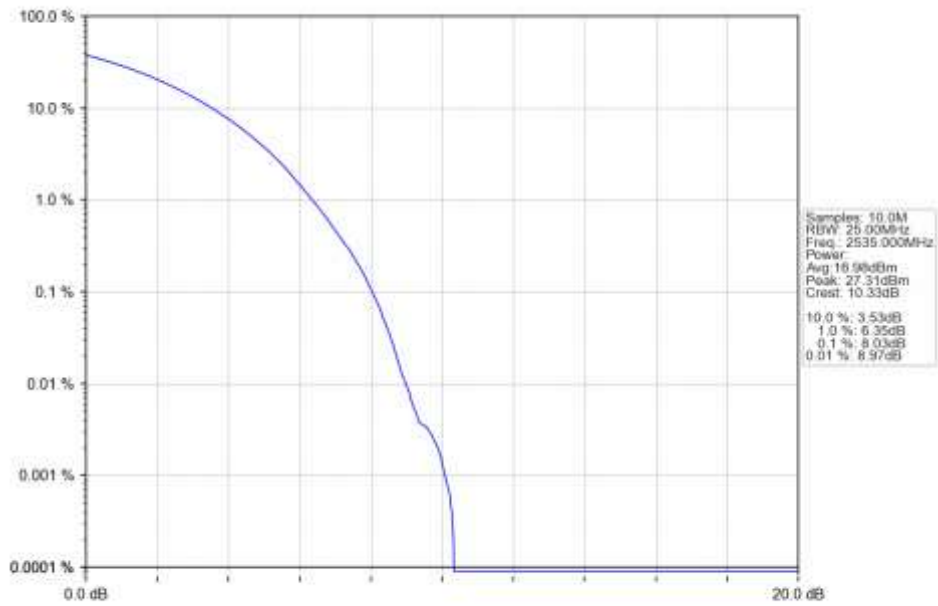
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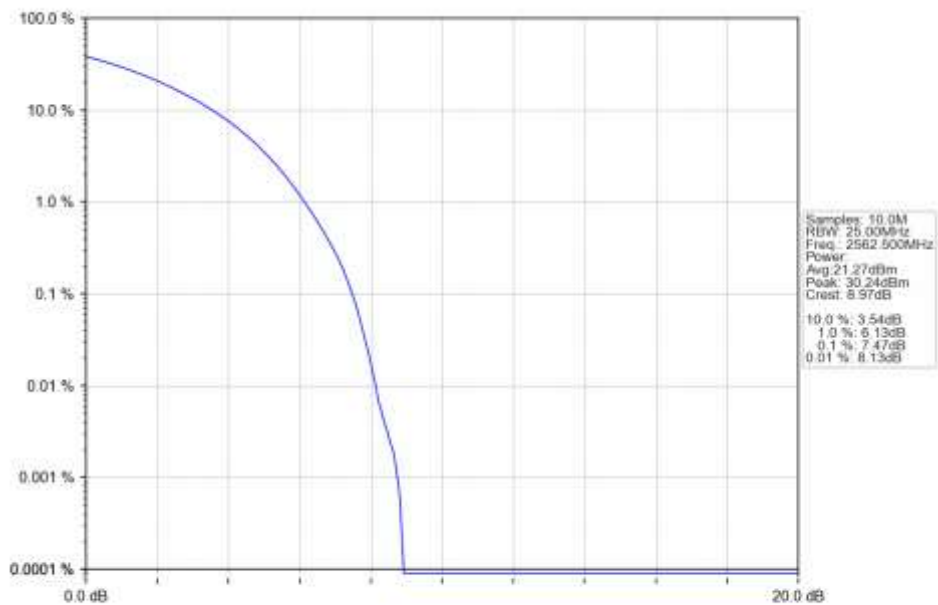
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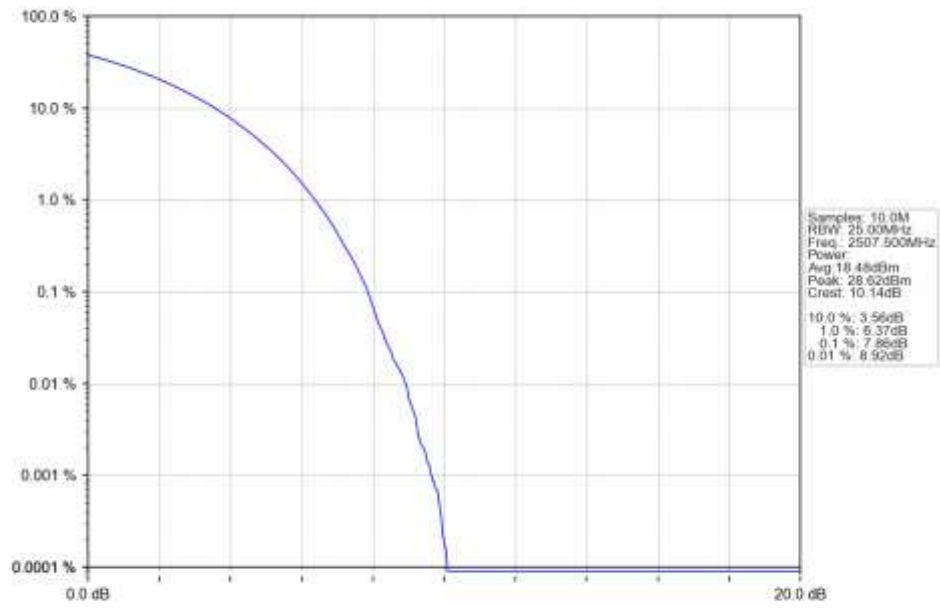
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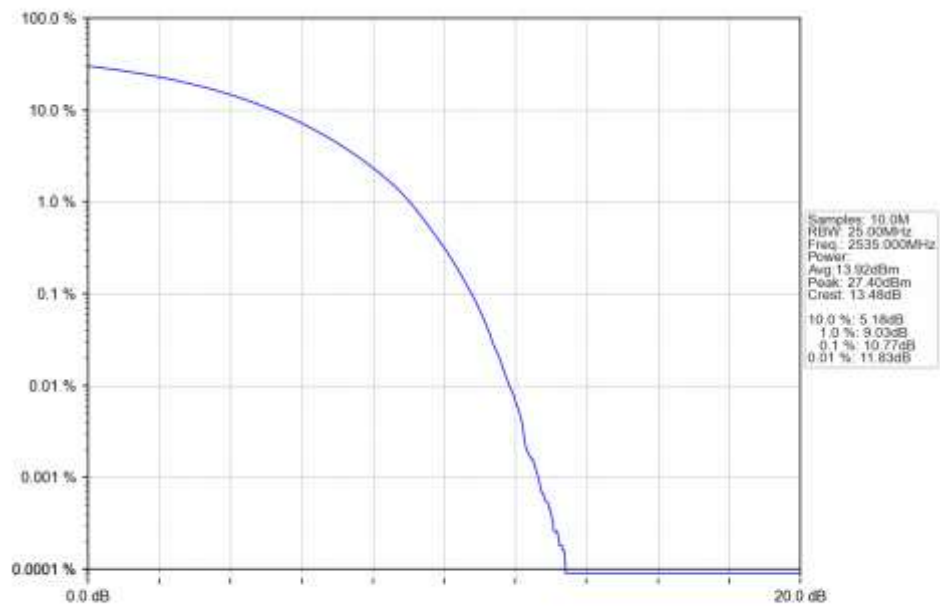
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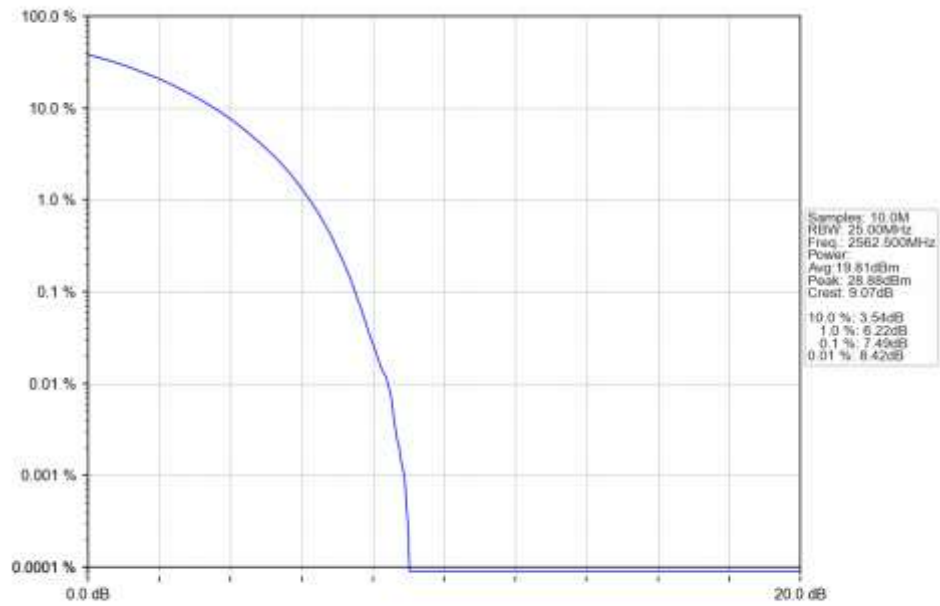
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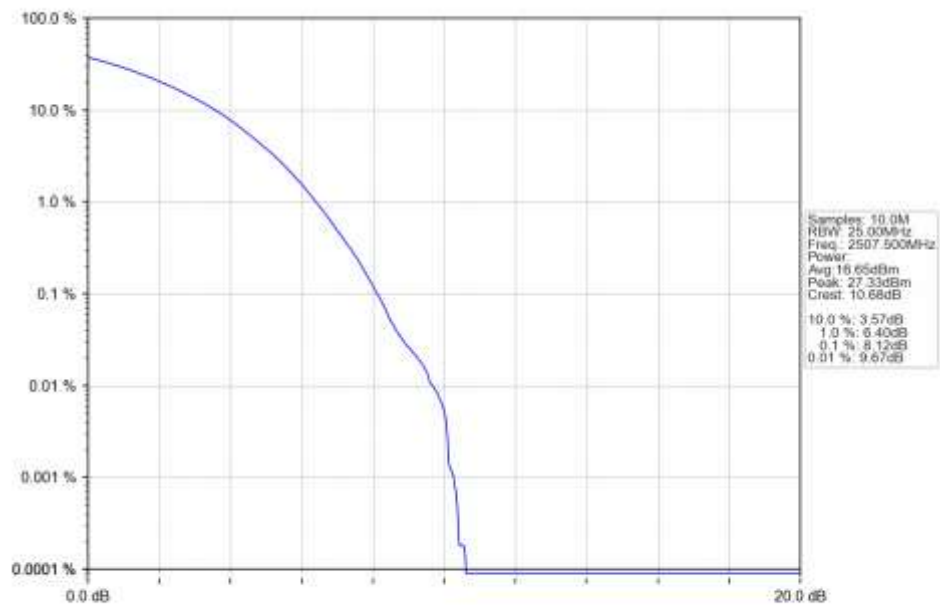
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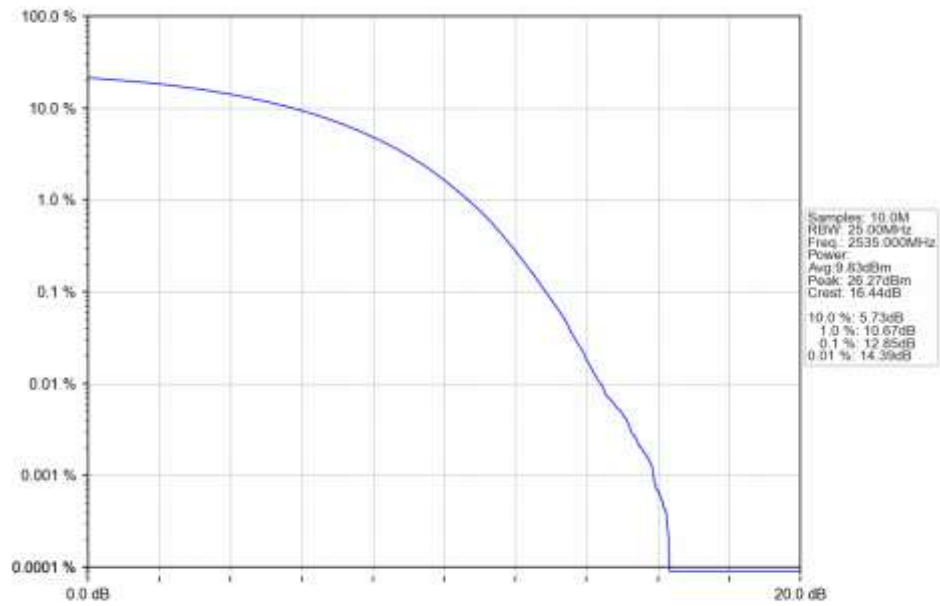
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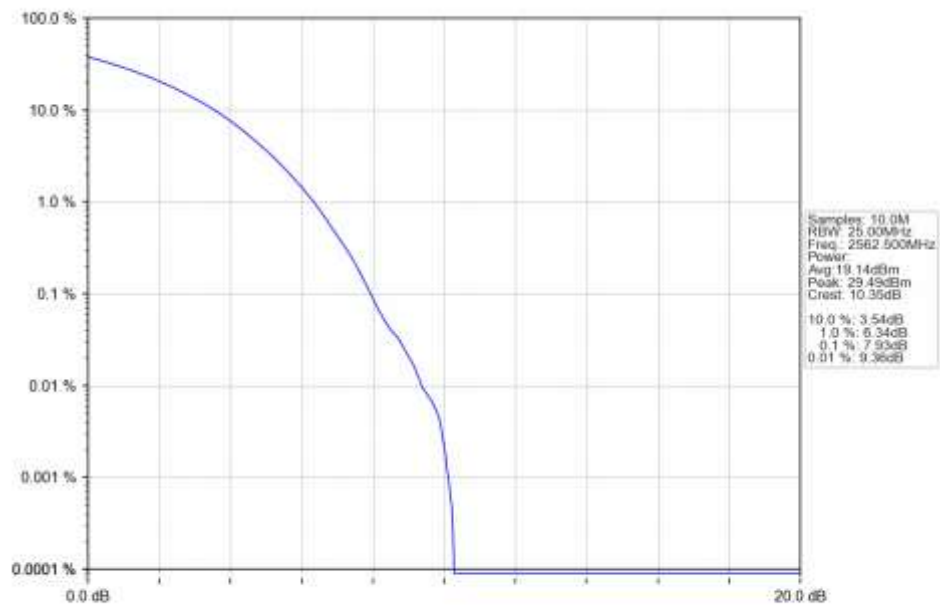
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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1

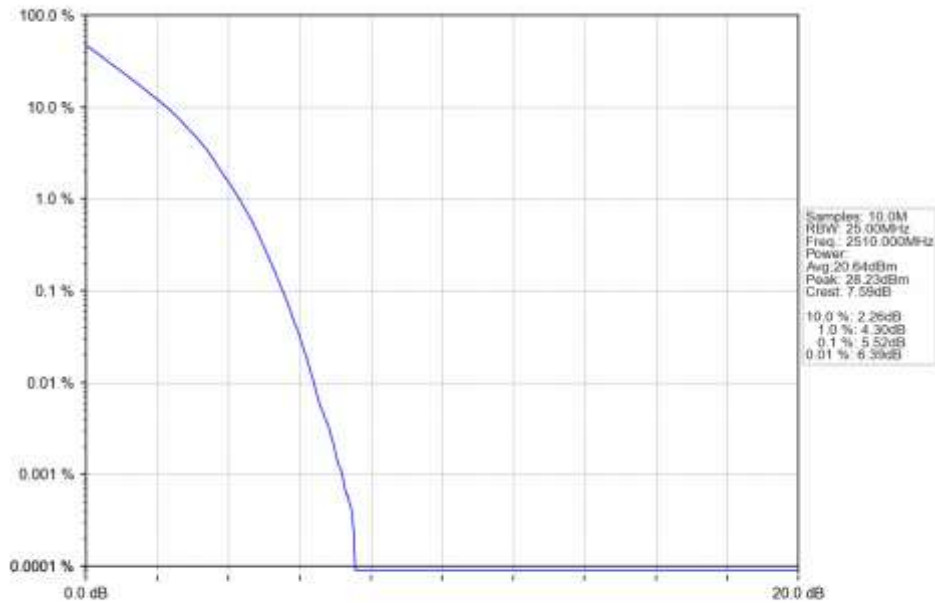


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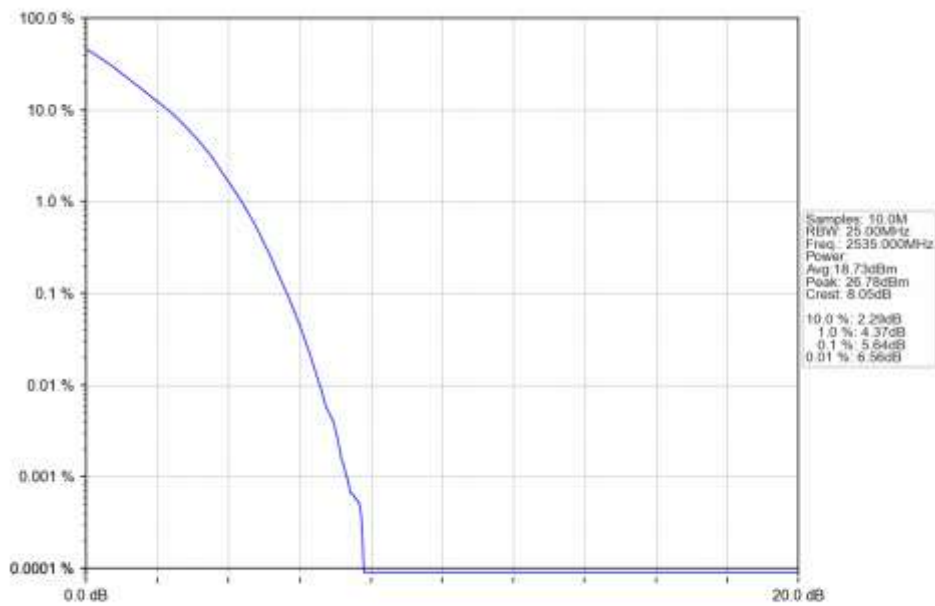


5.2.4 15k_SISO_20MHz_NTNV

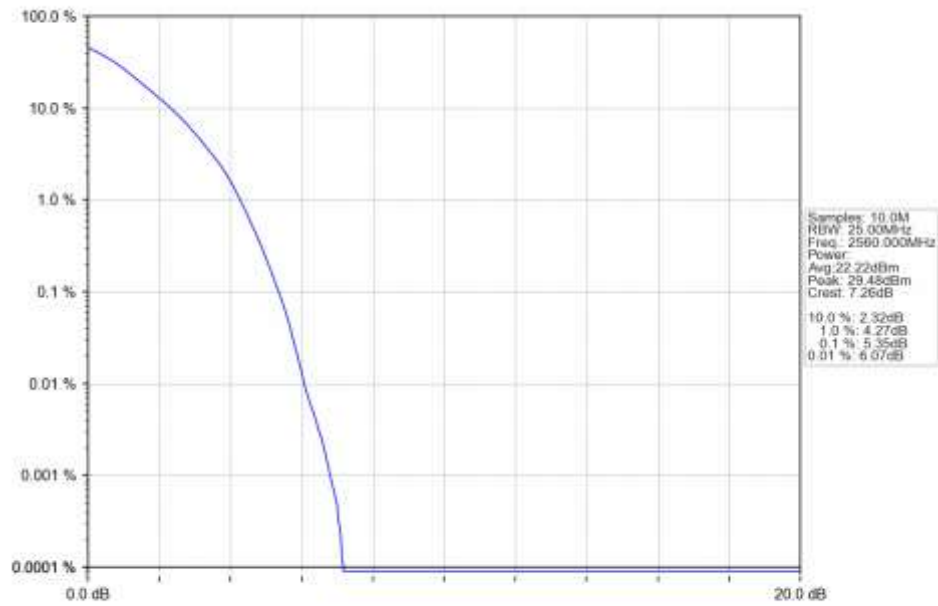
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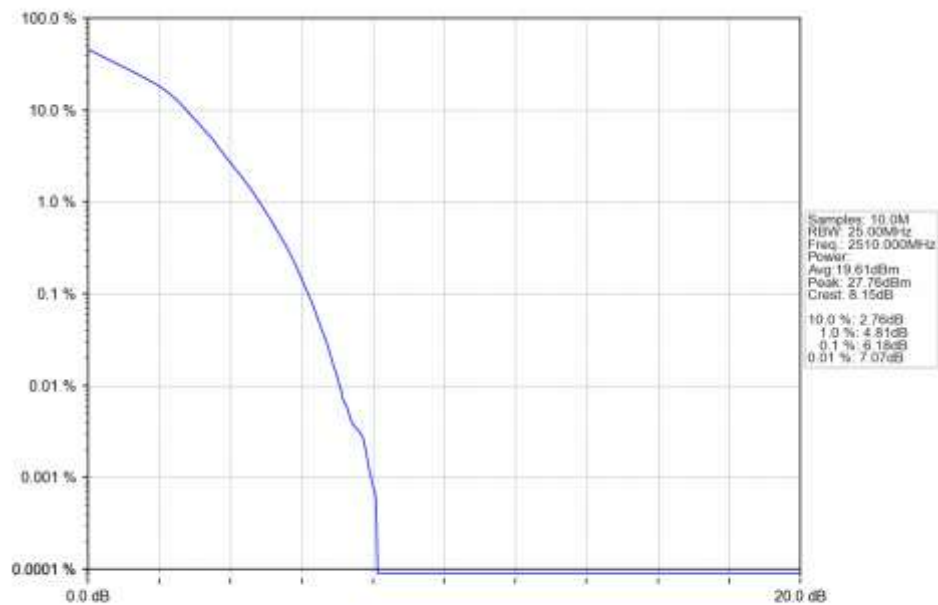
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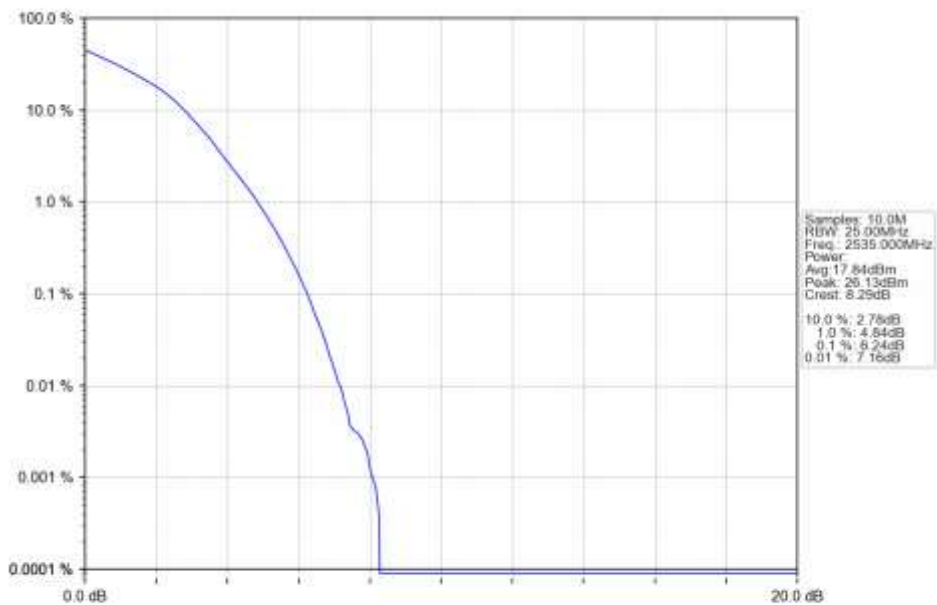
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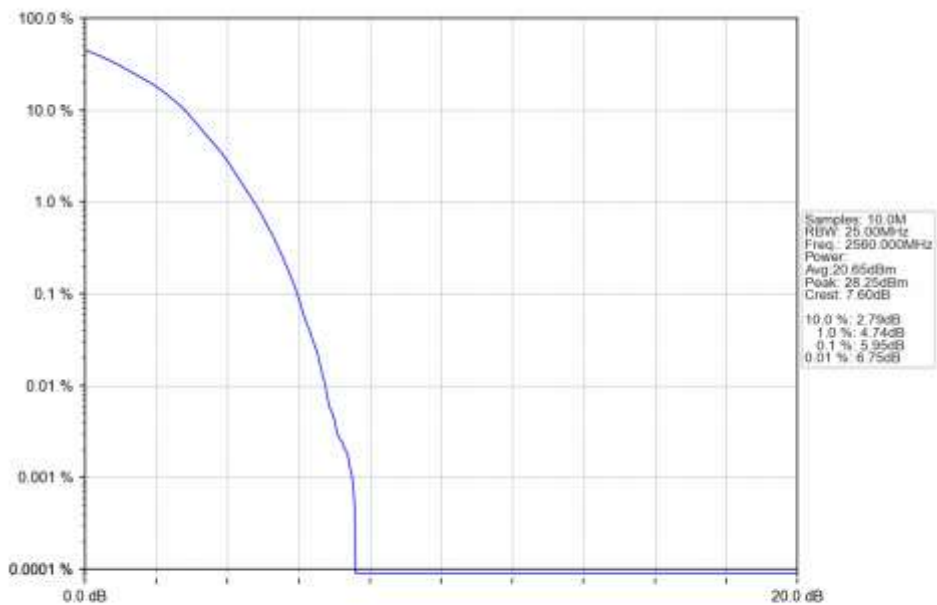
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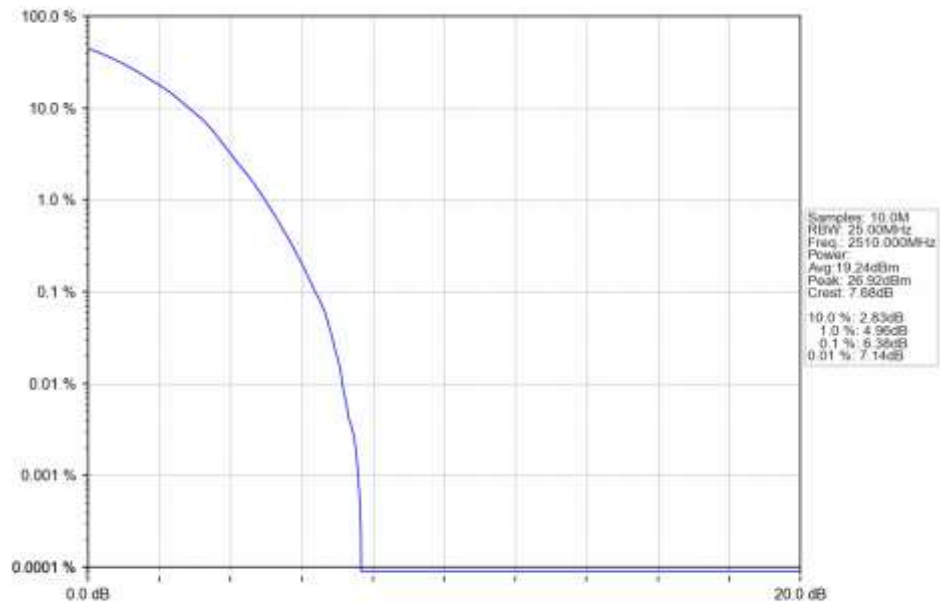
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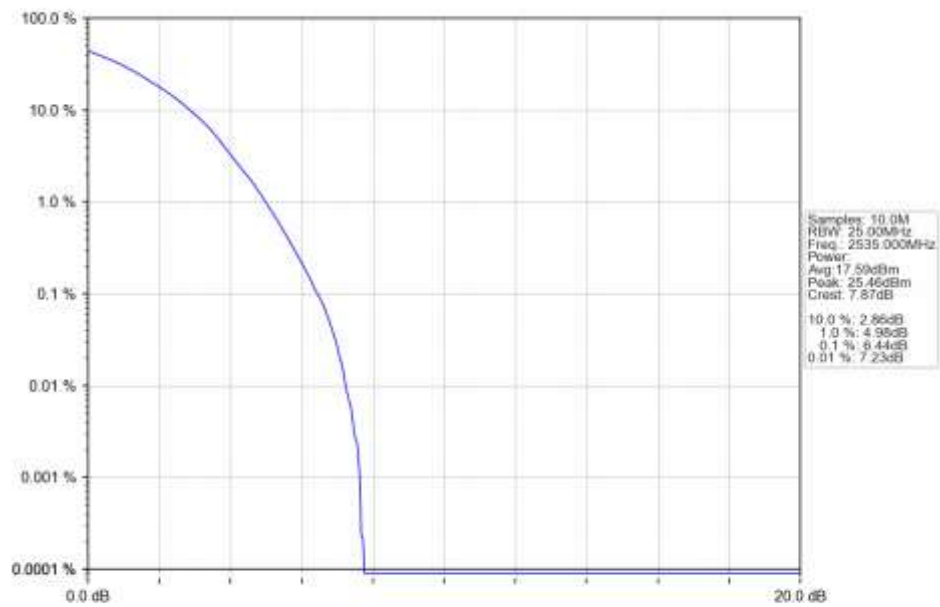
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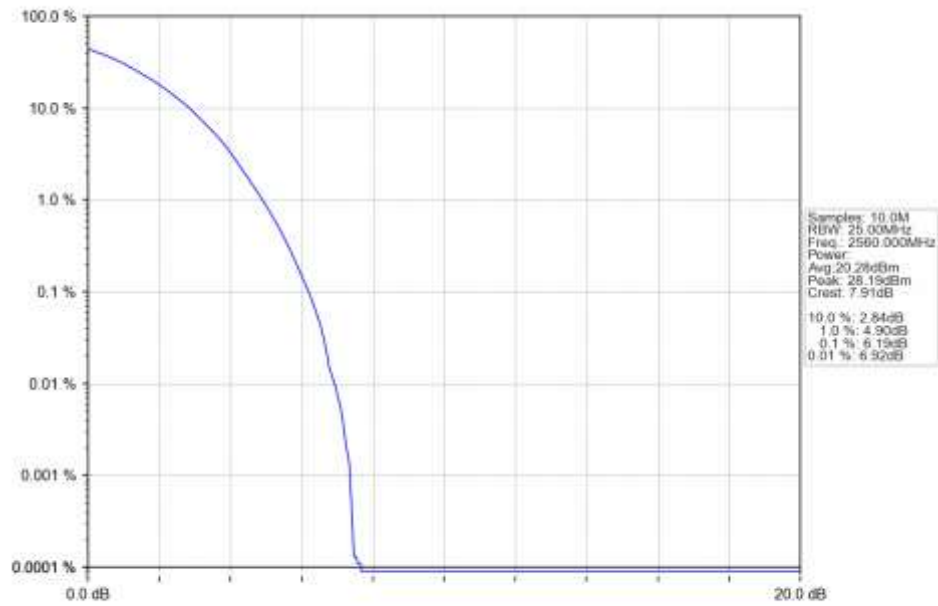
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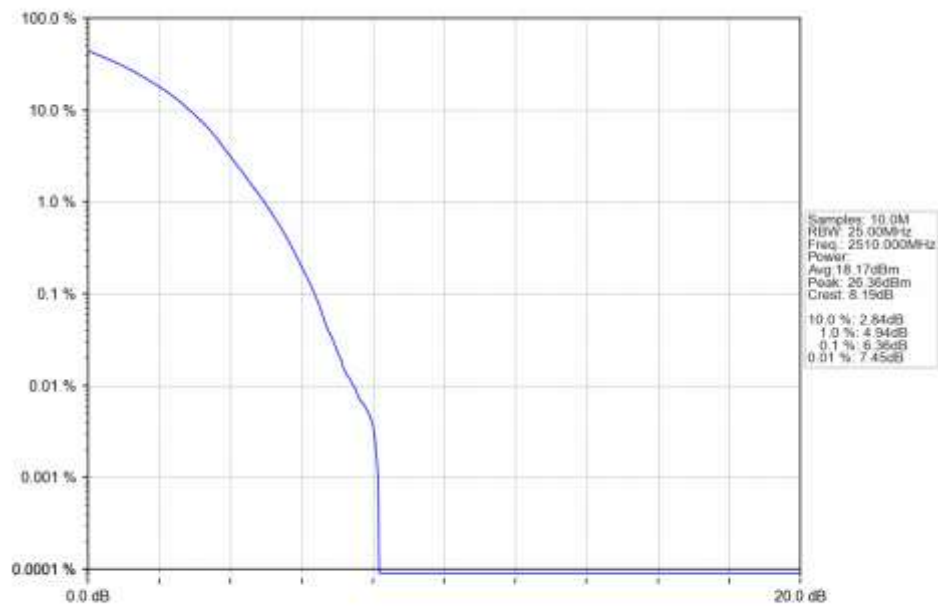
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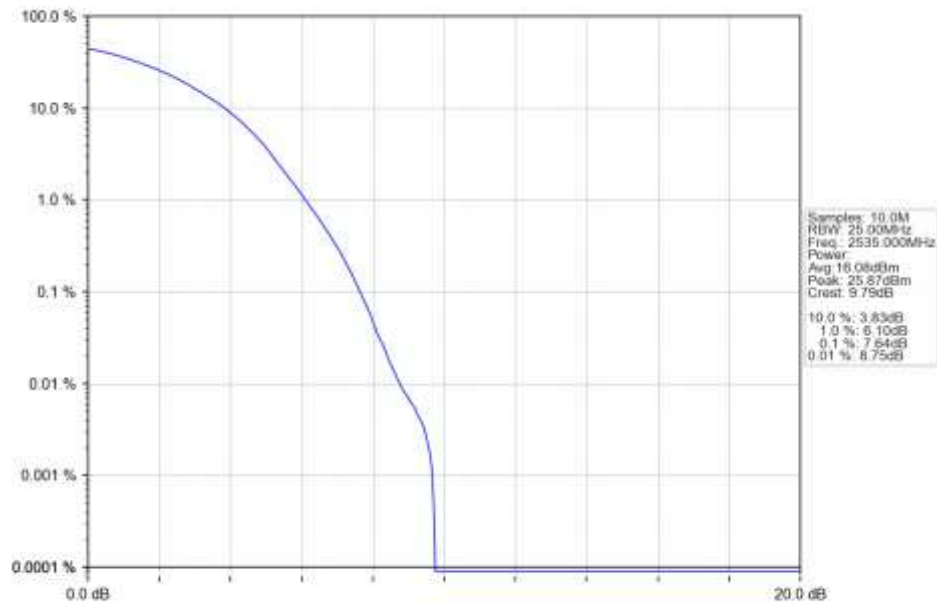
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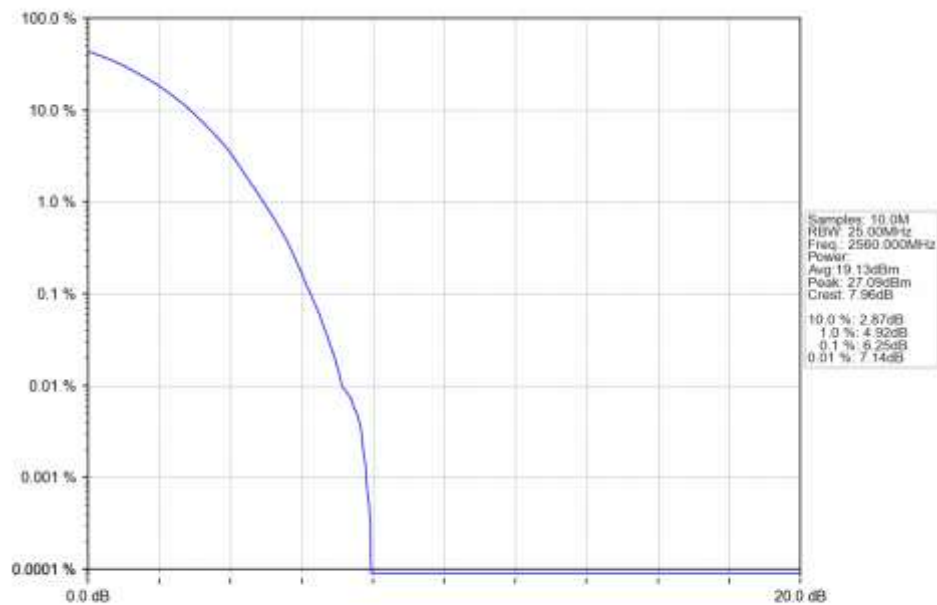
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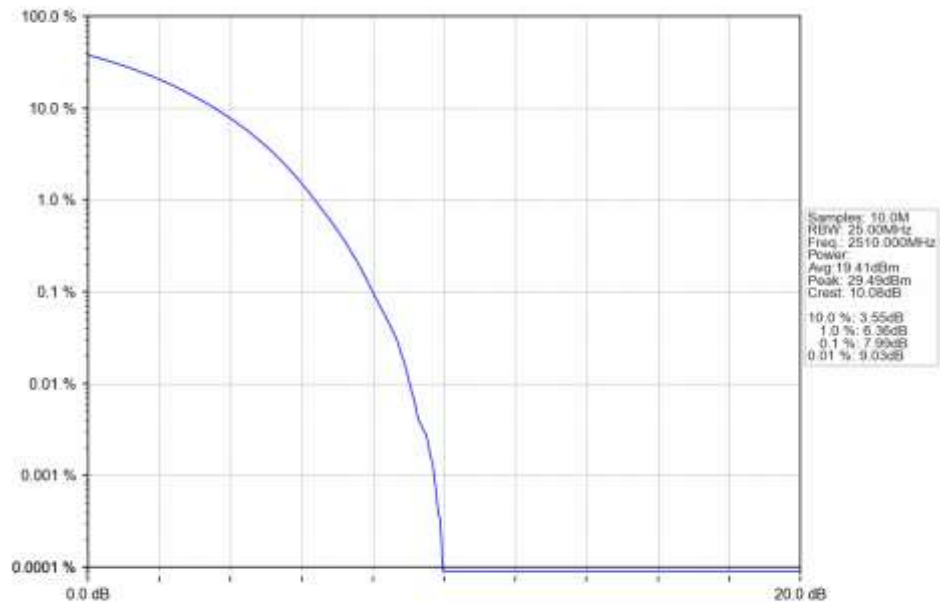
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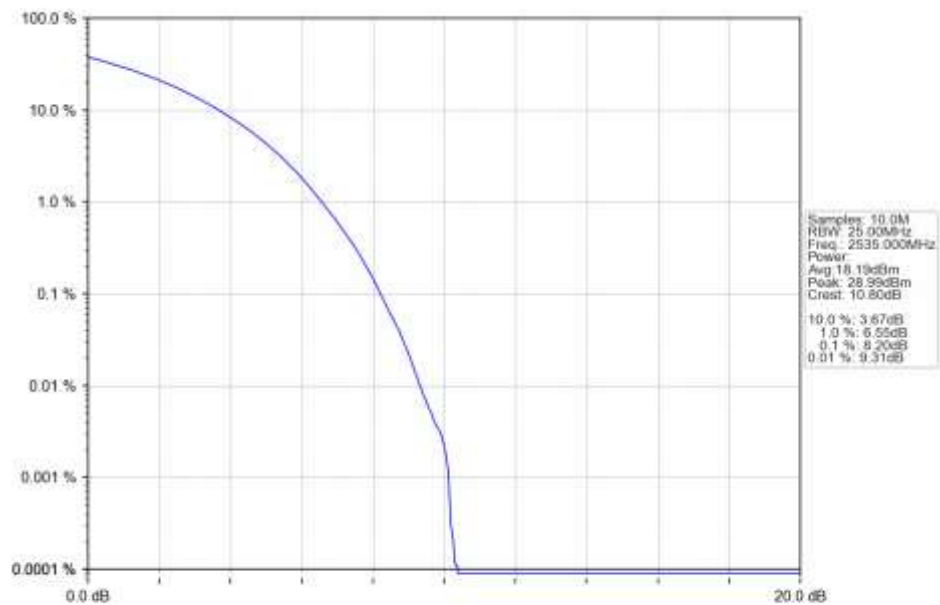
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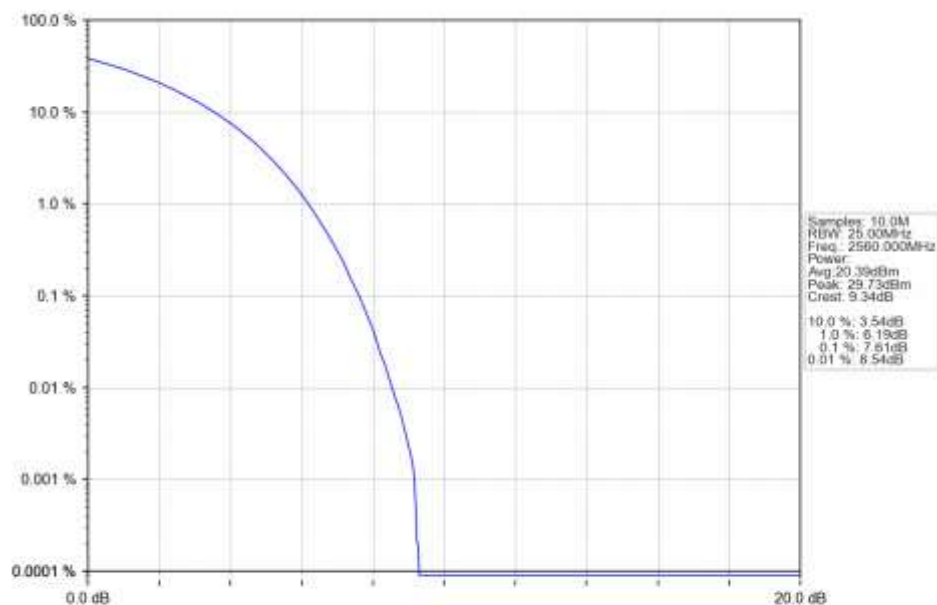
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n7_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



n7_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_2560MHz_Outer_Full_Ant1



n7_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_2510MHz_Outer_Full_Ant1

