

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_EIRP

5G NR n66 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM QPSK	1712.5	Edge_1RB_Left	20.55	/	/	21.64	/	/	<=30	Pass
		Edge_1RB_Right	18.9	/	/	19.99	/	/	<=30	Pass
		Outer_Full	20.02	/	/	21.11	/	/	<=30	Pass
		Inner_Full	19.77	/	/	20.86	/	/	<=30	Pass
		Inner_1RB_Left	20.33	/	/	21.42	/	/	<=30	Pass
		Inner_1RB_Right	19.18	/	/	20.27	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.31	/	/	18.4	/	/	<=30	Pass
		Edge_1RB_Right	18.54	/	/	19.63	/	/	<=30	Pass
		Outer_Full	17.99	/	/	19.08	/	/	<=30	Pass
		Inner_Full	17.75	/	/	18.84	/	/	<=30	Pass
		Inner_1RB_Left	17.39	/	/	18.48	/	/	<=30	Pass
		Inner_1RB_Right	18.41	/	/	19.5	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.66	/	/	17.75	/	/	<=30	Pass
		Edge_1RB_Right	16.96	/	/	18.05	/	/	<=30	Pass
		Outer_Full	16.78	/	/	17.87	/	/	<=30	Pass
		Inner_Full	16.53	/	/	17.62	/	/	<=30	Pass
		Inner_1RB_Left	16.68	/	/	17.77	/	/	<=30	Pass
		Inner_1RB_Right	17.05	/	/	18.14	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1712.5	Edge_1RB_Left	20.49	/	/	21.58	/	/	<=30	Pass
		Edge_1RB_Right	18.81	/	/	19.9	/	/	<=30	Pass
		Outer_Full	19.66	/	/	20.75	/	/	<=30	Pass
		Inner_Full	19.33	/	/	20.42	/	/	<=30	Pass
		Inner_1RB_Left	20.28	/	/	21.37	/	/	<=30	Pass
		Inner_1RB_Right	18.73	/	/	19.82	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.32	/	/	18.41	/	/	<=30	Pass
		Edge_1RB_Right	18.5	/	/	19.59	/	/	<=30	Pass
		Outer_Full	17.85	/	/	18.94	/	/	<=30	Pass
		Inner_Full	17.77	/	/	18.86	/	/	<=30	Pass
		Inner_1RB_Left	17.38	/	/	18.47	/	/	<=30	Pass
		Inner_1RB_Right	18.42	/	/	19.51	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.61	/	/	17.7	/	/	<=30	Pass
		Edge_1RB_Right	16.91	/	/	18	/	/	<=30	Pass
		Outer_Full	16.65	/	/	17.74	/	/	<=30	Pass
		Inner_Full	16.38	/	/	17.47	/	/	<=30	Pass
		Inner_1RB_Left	16.6	/	/	17.69	/	/	<=30	Pass
		Inner_1RB_Right	16.97	/	/	18.06	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1712.5	Edge_1RB_Left	20.2	/	/	21.29	/	/	<=30	Pass
		Edge_1RB_Right	18.5	/	/	19.59	/	/	<=30	Pass
		Outer_Full	19.28	/	/	20.37	/	/	<=30	Pass
		Inner_Full	19.1	/	/	20.19	/	/	<=30	Pass

		Inner_1RB_Left	20.08	/	/	21.17	/	/	<=30	Pass
		Inner_1RB_Right	18.5	/	/	19.59	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.4	/	/	18.49	/	/	<=30	Pass
		Edge_1RB_Right	18.52	/	/	19.61	/	/	<=30	Pass
		Outer_Full	17.83	/	/	18.92	/	/	<=30	Pass
		Inner_Full	17.71	/	/	18.8	/	/	<=30	Pass
		Inner_1RB_Left	17.39	/	/	18.48	/	/	<=30	Pass
		Inner_1RB_Right	18.41	/	/	19.5	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.68	/	/	17.77	/	/	<=30	Pass
		Edge_1RB_Right	16.98	/	/	18.07	/	/	<=30	Pass
		Outer_Full	16.56	/	/	17.65	/	/	<=30	Pass
		Inner_Full	16.44	/	/	17.53	/	/	<=30	Pass
		Inner_1RB_Left	16.73	/	/	17.82	/	/	<=30	Pass
		Inner_1RB_Right	17.12	/	/	18.21	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1712.5	Edge_1RB_Left	19.78	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	18.1	/	/	19.19	/	/	<=30	Pass
		Outer_Full	19.02	/	/	20.11	/	/	<=30	Pass
		Inner_Full	18.92	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Left	19.68	/	/	20.77	/	/	<=30	Pass
		Inner_1RB_Right	18.13	/	/	19.22	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.18	/	/	18.27	/	/	<=30	Pass
		Edge_1RB_Right	18.34	/	/	19.43	/	/	<=30	Pass
		Outer_Full	17.73	/	/	18.82	/	/	<=30	Pass
		Inner_Full	17.69	/	/	18.78	/	/	<=30	Pass
		Inner_1RB_Left	17.23	/	/	18.32	/	/	<=30	Pass
		Inner_1RB_Right	18.28	/	/	19.37	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.51	/	/	17.6	/	/	<=30	Pass
		Edge_1RB_Right	16.8	/	/	17.89	/	/	<=30	Pass
		Outer_Full	16.57	/	/	17.66	/	/	<=30	Pass
		Inner_Full	16.45	/	/	17.54	/	/	<=30	Pass
		Inner_1RB_Left	16.53	/	/	17.62	/	/	<=30	Pass
		Inner_1RB_Right	16.91	/	/	18	/	/	<=30	Pass
CP-OFDM QPSK	1712.5	Edge_1RB_Left	19.56	/	/	20.65	/	/	<=30	Pass
		Edge_1RB_Right	17.93	/	/	19.02	/	/	<=30	Pass
		Outer_Full	19.04	/	/	20.13	/	/	<=30	Pass
		Inner_Full	18.78	/	/	19.87	/	/	<=30	Pass
		Inner_1RB_Left	19.63	/	/	20.72	/	/	<=30	Pass
		Inner_1RB_Right	18.06	/	/	19.15	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.1	/	/	18.19	/	/	<=30	Pass
		Edge_1RB_Right	18.23	/	/	19.32	/	/	<=30	Pass
		Outer_Full	17.81	/	/	18.9	/	/	<=30	Pass
		Inner_Full	17.68	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	17.26	/	/	18.35	/	/	<=30	Pass
		Inner_1RB_Right	18.29	/	/	19.38	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.31	/	/	17.4	/	/	<=30	Pass
		Edge_1RB_Right	16.61	/	/	17.7	/	/	<=30	Pass
		Outer_Full	16.57	/	/	17.66	/	/	<=30	Pass
		Inner_Full	16.36	/	/	17.45	/	/	<=30	Pass

CP-OFDM 16 QAM		Inner_1RB_Left	16.54	/	/	17.63	/	/	<=30	Pass
		Inner_1RB_Right	16.89	/	/	17.98	/	/	<=30	Pass
	1712.5	Edge_1RB_Left	19.75	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	18.1	/	/	19.19	/	/	<=30	Pass
		Outer_Full	18.84	/	/	19.93	/	/	<=30	Pass
		Inner_Full	18.7	/	/	19.79	/	/	<=30	Pass
		Inner_1RB_Left	19.71	/	/	20.8	/	/	<=30	Pass
		Inner_1RB_Right	18.17	/	/	19.26	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.4	/	/	18.49	/	/	<=30	Pass
		Edge_1RB_Right	18.54	/	/	19.63	/	/	<=30	Pass
		Outer_Full	17.76	/	/	18.85	/	/	<=30	Pass
		Inner_Full	17.66	/	/	18.75	/	/	<=30	Pass
		Inner_1RB_Left	17.29	/	/	18.38	/	/	<=30	Pass
		Inner_1RB_Right	18.43	/	/	19.52	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.62	/	/	17.71	/	/	<=30	Pass
		Edge_1RB_Right	16.89	/	/	17.98	/	/	<=30	Pass
		Outer_Full	16.54	/	/	17.63	/	/	<=30	Pass
		Inner_Full	16.38	/	/	17.47	/	/	<=30	Pass
		Inner_1RB_Left	16.62	/	/	17.71	/	/	<=30	Pass
		Inner_1RB_Right	16.99	/	/	18.08	/	/	<=30	Pass
CP-OFDM 64 QAM	1712.5	Edge_1RB_Left	19.79	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Right	18.1	/	/	19.19	/	/	<=30	Pass
		Outer_Full	18.75	/	/	19.84	/	/	<=30	Pass
		Inner_Full	18.61	/	/	19.7	/	/	<=30	Pass
		Inner_1RB_Left	19.68	/	/	20.77	/	/	<=30	Pass
		Inner_1RB_Right	18.01	/	/	19.1	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.52	/	/	18.61	/	/	<=30	Pass
		Edge_1RB_Right	18.53	/	/	19.62	/	/	<=30	Pass
		Outer_Full	17.73	/	/	18.82	/	/	<=30	Pass
		Inner_Full	17.66	/	/	18.75	/	/	<=30	Pass
		Inner_1RB_Left	17.42	/	/	18.51	/	/	<=30	Pass
		Inner_1RB_Right	18.45	/	/	19.54	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.55	/	/	17.64	/	/	<=30	Pass
		Edge_1RB_Right	16.8	/	/	17.89	/	/	<=30	Pass
		Outer_Full	16.55	/	/	17.64	/	/	<=30	Pass
		Inner_Full	16.36	/	/	17.45	/	/	<=30	Pass
		Inner_1RB_Left	16.53	/	/	17.62	/	/	<=30	Pass
		Inner_1RB_Right	17.05	/	/	18.14	/	/	<=30	Pass
CP-OFDM 256 QAM	1712.5	Edge_1RB_Left	19.61	/	/	20.7	/	/	<=30	Pass
		Edge_1RB_Right	17.95	/	/	19.04	/	/	<=30	Pass
		Outer_Full	18.67	/	/	19.76	/	/	<=30	Pass
		Inner_Full	18.56	/	/	19.65	/	/	<=30	Pass
		Inner_1RB_Left	19.5	/	/	20.59	/	/	<=30	Pass
		Inner_1RB_Right	17.96	/	/	19.05	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.36	/	/	18.45	/	/	<=30	Pass
		Edge_1RB_Right	18.5	/	/	19.59	/	/	<=30	Pass
		Outer_Full	17.71	/	/	18.8	/	/	<=30	Pass
		Inner_Full	17.7	/	/	18.79	/	/	<=30	Pass

		Inner_1RB_Left	17.38	/	/	18.47	/	/	<=30	Pass
		Inner_1RB_Right	18.41	/	/	19.5	/	/	<=30	Pass
	1777.5	Edge_1RB_Left	16.64	/	/	17.73	/	/	<=30	Pass
		Edge_1RB_Right	16.89	/	/	17.98	/	/	<=30	Pass
		Outer_Full	16.52	/	/	17.61	/	/	<=30	Pass
		Inner_Full	16.39	/	/	17.48	/	/	<=30	Pass
		Inner_1RB_Left	16.59	/	/	17.68	/	/	<=30	Pass
		Inner_1RB_Right	16.96	/	/	18.05	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.09dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_10MHz_NTNV_EIRP

5G NR n66 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	1715	Edge_1RB_Left	20.93	/	/	22.02	/	/	<=30	Pass
		Edge_1RB_Right	17.15	/	/	18.24	/	/	<=30	Pass
		Outer_Full	18.86	/	/	19.95	/	/	<=30	Pass
		Inner_Full	18.63	/	/	19.72	/	/	<=30	Pass
		Inner_1RB_Left	20.24	/	/	21.33	/	/	<=30	Pass
		Inner_1RB_Right	17.16	/	/	18.25	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.04	/	/	19.13	/	/	<=30	Pass
		Edge_1RB_Right	20.19	/	/	21.28	/	/	<=30	Pass
		Outer_Full	19.19	/	/	20.28	/	/	<=30	Pass
		Inner_Full	18.97	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Left	17.48	/	/	18.57	/	/	<=30	Pass
		Inner_1RB_Right	20.03	/	/	21.12	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.13	/	/	18.22	/	/	<=30	Pass
		Edge_1RB_Right	18.62	/	/	19.71	/	/	<=30	Pass
		Outer_Full	17.93	/	/	19.02	/	/	<=30	Pass
		Inner_Full	17.77	/	/	18.86	/	/	<=30	Pass
		Inner_1RB_Left	16.55	/	/	17.64	/	/	<=30	Pass
		Inner_1RB_Right	18.72	/	/	19.81	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1715	Edge_1RB_Left	21	/	/	22.09	/	/	<=30	Pass
		Edge_1RB_Right	17.14	/	/	18.23	/	/	<=30	Pass
		Outer_Full	18.72	/	/	19.81	/	/	<=30	Pass
		Inner_Full	18.62	/	/	19.71	/	/	<=30	Pass
		Inner_1RB_Left	20.27	/	/	21.36	/	/	<=30	Pass
		Inner_1RB_Right	17.18	/	/	18.27	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.13	/	/	19.22	/	/	<=30	Pass
		Edge_1RB_Right	20.11	/	/	21.2	/	/	<=30	Pass
		Outer_Full	19.01	/	/	20.1	/	/	<=30	Pass
		Inner_Full	18.87	/	/	19.96	/	/	<=30	Pass
		Inner_1RB_Left	17.51	/	/	18.6	/	/	<=30	Pass
		Inner_1RB_Right	20.01	/	/	21.1	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.11	/	/	18.2	/	/	<=30	Pass
		Edge_1RB_Right	18.48	/	/	19.57	/	/	<=30	Pass

		Outer_Full	17.83	/	/	18.92	/	/	<=30	Pass
		Inner_Full	17.79	/	/	18.88	/	/	<=30	Pass
		Inner_1RB_Left	16.42	/	/	17.51	/	/	<=30	Pass
		Inner_1RB_Right	18.58	/	/	19.67	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1715	Edge_1RB_Left	21.11	/	/	22.2	/	/	<=30	Pass
		Edge_1RB_Right	17.24	/	/	18.33	/	/	<=30	Pass
		Outer_Full	18.71	/	/	19.8	/	/	<=30	Pass
		Inner_Full	18.59	/	/	19.68	/	/	<=30	Pass
		Inner_1RB_Left	20.42	/	/	21.51	/	/	<=30	Pass
		Inner_1RB_Right	17.24	/	/	18.33	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.17	/	/	19.26	/	/	<=30	Pass
		Edge_1RB_Right	20.24	/	/	21.33	/	/	<=30	Pass
		Outer_Full	18.85	/	/	19.94	/	/	<=30	Pass
		Inner_Full	18.88	/	/	19.97	/	/	<=30	Pass
		Inner_1RB_Left	17.64	/	/	18.73	/	/	<=30	Pass
		Inner_1RB_Right	20.19	/	/	21.28	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.29	/	/	18.38	/	/	<=30	Pass
		Edge_1RB_Right	18.65	/	/	19.74	/	/	<=30	Pass
		Outer_Full	17.79	/	/	18.88	/	/	<=30	Pass
		Inner_Full	17.77	/	/	18.86	/	/	<=30	Pass
		Inner_1RB_Left	16.7	/	/	17.79	/	/	<=30	Pass
		Inner_1RB_Right	18.77	/	/	19.86	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1715	Edge_1RB_Left	20.76	/	/	21.85	/	/	<=30	Pass
		Edge_1RB_Right	16.95	/	/	18.04	/	/	<=30	Pass
		Outer_Full	18.67	/	/	19.76	/	/	<=30	Pass
		Inner_Full	18.53	/	/	19.62	/	/	<=30	Pass
		Inner_1RB_Left	20.07	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Right	16.97	/	/	18.06	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.01	/	/	19.1	/	/	<=30	Pass
		Edge_1RB_Right	20.1	/	/	21.19	/	/	<=30	Pass
		Outer_Full	19.02	/	/	20.11	/	/	<=30	Pass
		Inner_Full	18.93	/	/	20.02	/	/	<=30	Pass
		Inner_1RB_Left	17.45	/	/	18.54	/	/	<=30	Pass
		Inner_1RB_Right	20.07	/	/	21.16	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.09	/	/	18.18	/	/	<=30	Pass
		Edge_1RB_Right	18.45	/	/	19.54	/	/	<=30	Pass
		Outer_Full	17.81	/	/	18.9	/	/	<=30	Pass
		Inner_Full	17.71	/	/	18.8	/	/	<=30	Pass
		Inner_1RB_Left	16.45	/	/	17.54	/	/	<=30	Pass
		Inner_1RB_Right	18.56	/	/	19.65	/	/	<=30	Pass
CP-OFDM QPSK	1715	Edge_1RB_Left	20.67	/	/	21.76	/	/	<=30	Pass
		Edge_1RB_Right	16.83	/	/	17.92	/	/	<=30	Pass
		Outer_Full	18.76	/	/	19.85	/	/	<=30	Pass
		Inner_Full	18.56	/	/	19.65	/	/	<=30	Pass
		Inner_1RB_Left	20.15	/	/	21.24	/	/	<=30	Pass
		Inner_1RB_Right	17.07	/	/	18.16	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.89	/	/	18.98	/	/	<=30	Pass
		Edge_1RB_Right	19.94	/	/	21.03	/	/	<=30	Pass

		Outer_Full	19.12	/	/	20.21	/	/	<=30	Pass
		Inner_Full	19.1	/	/	20.19	/	/	<=30	Pass
		Inner_1RB_Left	17.51	/	/	18.6	/	/	<=30	Pass
		Inner_1RB_Right	20.09	/	/	21.18	/	/	<=30	Pass
	1775	Edge_1RB_Left	16.96	/	/	18.05	/	/	<=30	Pass
		Edge_1RB_Right	18.33	/	/	19.42	/	/	<=30	Pass
		Outer_Full	17.86	/	/	18.95	/	/	<=30	Pass
		Inner_Full	17.78	/	/	18.87	/	/	<=30	Pass
		Inner_1RB_Left	16.49	/	/	17.58	/	/	<=30	Pass
		Inner_1RB_Right	18.57	/	/	19.66	/	/	<=30	Pass
CP-OFDM 16 QAM	1715	Edge_1RB_Left	20.95	/	/	22.04	/	/	<=30	Pass
		Edge_1RB_Right	17.18	/	/	18.27	/	/	<=30	Pass
		Outer_Full	18.72	/	/	19.81	/	/	<=30	Pass
		Inner_Full	18.52	/	/	19.61	/	/	<=30	Pass
		Inner_1RB_Left	20.31	/	/	21.4	/	/	<=30	Pass
		Inner_1RB_Right	17.2	/	/	18.29	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.2	/	/	19.29	/	/	<=30	Pass
		Edge_1RB_Right	20.26	/	/	21.35	/	/	<=30	Pass
		Outer_Full	19.08	/	/	20.17	/	/	<=30	Pass
		Inner_Full	18.9	/	/	19.99	/	/	<=30	Pass
		Inner_1RB_Left	17.62	/	/	18.71	/	/	<=30	Pass
		Inner_1RB_Right	20.2	/	/	21.29	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.38	/	/	18.47	/	/	<=30	Pass
		Edge_1RB_Right	18.69	/	/	19.78	/	/	<=30	Pass
		Outer_Full	17.82	/	/	18.91	/	/	<=30	Pass
		Inner_Full	17.73	/	/	18.82	/	/	<=30	Pass
		Inner_1RB_Left	16.73	/	/	17.82	/	/	<=30	Pass
		Inner_1RB_Right	18.76	/	/	19.85	/	/	<=30	Pass
CP-OFDM 64 QAM	1715	Edge_1RB_Left	20.94	/	/	22.03	/	/	<=30	Pass
		Edge_1RB_Right	17.23	/	/	18.32	/	/	<=30	Pass
		Outer_Full	18.67	/	/	19.76	/	/	<=30	Pass
		Inner_Full	18.51	/	/	19.6	/	/	<=30	Pass
		Inner_1RB_Left	20.39	/	/	21.48	/	/	<=30	Pass
		Inner_1RB_Right	17.13	/	/	18.22	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.1	/	/	19.19	/	/	<=30	Pass
		Edge_1RB_Right	20.29	/	/	21.38	/	/	<=30	Pass
		Outer_Full	18.98	/	/	20.07	/	/	<=30	Pass
		Inner_Full	19.03	/	/	20.12	/	/	<=30	Pass
		Inner_1RB_Left	17.71	/	/	18.8	/	/	<=30	Pass
		Inner_1RB_Right	20.19	/	/	21.28	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.32	/	/	18.41	/	/	<=30	Pass
		Edge_1RB_Right	18.63	/	/	19.72	/	/	<=30	Pass
		Outer_Full	17.82	/	/	18.91	/	/	<=30	Pass
		Inner_Full	17.74	/	/	18.83	/	/	<=30	Pass
		Inner_1RB_Left	16.77	/	/	17.86	/	/	<=30	Pass
CP-OFDM 256 QAM	1715	Inner_1RB_Right	18.73	/	/	19.82	/	/	<=30	Pass
		Edge_1RB_Left	20.91	/	/	22	/	/	<=30	Pass
		Edge_1RB_Right	17.1	/	/	18.19	/	/	<=30	Pass

		Outer_Full	18.65	/	/	19.74	/	/	<=30	Pass	
		Inner_Full	18.68	/	/	19.77	/	/	<=30	Pass	
		Inner_1RB_Left	20.23	/	/	21.32	/	/	<=30	Pass	
		Inner_1RB_Right	17.25	/	/	18.34	/	/	<=30	Pass	
	1745	Edge_1RB_Left	18.07	/	/	19.16	/	/	<=30	Pass	
		Edge_1RB_Right	20.18	/	/	21.27	/	/	<=30	Pass	
		Outer_Full	19.03	/	/	20.12	/	/	<=30	Pass	
		Inner_Full	19	/	/	20.09	/	/	<=30	Pass	
	1775	Inner_1RB_Left	17.52	/	/	18.61	/	/	<=30	Pass	
		Inner_1RB_Right	20.15	/	/	21.24	/	/	<=30	Pass	
		Edge_1RB_Left	17.21	/	/	18.3	/	/	<=30	Pass	
		Edge_1RB_Right	18.56	/	/	19.65	/	/	<=30	Pass	
		Outer_Full	17.8	/	/	18.89	/	/	<=30	Pass	
		Inner_Full	17.73	/	/	18.82	/	/	<=30	Pass	
			Inner_1RB_Left	16.6	/	/	17.69	/	/	<=30	Pass
			Inner_1RB_Right	18.66	/	/	19.75	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.09dBi; Note2: EIRP=Conducted Power+Antenna Gain											

1.1.3 15k_SISO_15MHz_NTNV_EIRP

5G NR n66 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	1717.5	Edge_1RB_Left	21.27	/	/	22.36	/	/	<=30	Pass
		Edge_1RB_Right	16.21	/	/	17.3	/	/	<=30	Pass
		Outer_Full	18.37	/	/	19.46	/	/	<=30	Pass
		Inner_Full	17.73	/	/	18.82	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	16.18	/	/	17.27	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.55	/	/	18.64	/	/	<=30	Pass
		Edge_1RB_Right	20.2	/	/	21.29	/	/	<=30	Pass
		Outer_Full	19.04	/	/	20.13	/	/	<=30	Pass
		Inner_Full	18.74	/	/	19.83	/	/	<=30	Pass
		Inner_1RB_Left	17.42	/	/	18.51	/	/	<=30	Pass
		Inner_1RB_Right	20.16	/	/	21.25	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	16.42	/	/	17.51	/	/	<=30	Pass
		Edge_1RB_Right	18.62	/	/	19.71	/	/	<=30	Pass
		Outer_Full	16.95	/	/	18.04	/	/	<=30	Pass
		Inner_Full	16.51	/	/	17.6	/	/	<=30	Pass
		Inner_1RB_Left	16.23	/	/	17.32	/	/	<=30	Pass
		Inner_1RB_Right	18.44	/	/	19.53	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1717.5	Edge_1RB_Left	21.16	/	/	22.25	/	/	<=30	Pass
		Edge_1RB_Right	16.16	/	/	17.25	/	/	<=30	Pass
		Outer_Full	18.07	/	/	19.16	/	/	<=30	Pass
		Inner_Full	17.71	/	/	18.8	/	/	<=30	Pass
		Inner_1RB_Left	20.82	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Right	16.2	/	/	17.29	/	/	<=30	Pass

	1745	Edge_1RB_Left	17.61	/	/	18.7	/	/	<=30	Pass
		Edge_1RB_Right	20.21	/	/	21.3	/	/	<=30	Pass
		Outer_Full	18.87	/	/	19.96	/	/	<=30	Pass
		Inner_Full	18.71	/	/	19.8	/	/	<=30	Pass
		Inner_1RB_Left	17.47	/	/	18.56	/	/	<=30	Pass
		Inner_1RB_Right	20.22	/	/	21.31	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	16.42	/	/	17.51	/	/	<=30	Pass
		Edge_1RB_Right	18.54	/	/	19.63	/	/	<=30	Pass
		Outer_Full	16.84	/	/	17.93	/	/	<=30	Pass
		Inner_Full	16.51	/	/	17.6	/	/	<=30	Pass
		Inner_1RB_Left	16.23	/	/	17.32	/	/	<=30	Pass
		Inner_1RB_Right	18.4	/	/	19.49	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1717.5	Edge_1RB_Left	21.14	/	/	22.23	/	/	<=30	Pass
		Edge_1RB_Right	16.19	/	/	17.28	/	/	<=30	Pass
		Outer_Full	18.06	/	/	19.15	/	/	<=30	Pass
		Inner_Full	17.64	/	/	18.73	/	/	<=30	Pass
		Inner_1RB_Left	20.97	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Right	16.22	/	/	17.31	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.6	/	/	18.69	/	/	<=30	Pass
		Edge_1RB_Right	20.3	/	/	21.39	/	/	<=30	Pass
		Outer_Full	18.84	/	/	19.93	/	/	<=30	Pass
		Inner_Full	18.71	/	/	19.8	/	/	<=30	Pass
		Inner_1RB_Left	17.39	/	/	18.48	/	/	<=30	Pass
		Inner_1RB_Right	20.1	/	/	21.19	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	16.53	/	/	17.62	/	/	<=30	Pass
		Edge_1RB_Right	18.57	/	/	19.66	/	/	<=30	Pass
		Outer_Full	16.82	/	/	17.91	/	/	<=30	Pass
		Inner_Full	16.52	/	/	17.61	/	/	<=30	Pass
		Inner_1RB_Left	16.3	/	/	17.39	/	/	<=30	Pass
		Inner_1RB_Right	18.44	/	/	19.53	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1717.5	Edge_1RB_Left	20.92	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Right	15.93	/	/	17.02	/	/	<=30	Pass
		Outer_Full	18.05	/	/	19.14	/	/	<=30	Pass
		Inner_Full	17.6	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Left	20.72	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Right	15.98	/	/	17.07	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.39	/	/	18.48	/	/	<=30	Pass
		Edge_1RB_Right	19.99	/	/	21.08	/	/	<=30	Pass
		Outer_Full	18.8	/	/	19.89	/	/	<=30	Pass
		Inner_Full	18.65	/	/	19.74	/	/	<=30	Pass
		Inner_1RB_Left	17.26	/	/	18.35	/	/	<=30	Pass
		Inner_1RB_Right	19.99	/	/	21.08	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	16.36	/	/	17.45	/	/	<=30	Pass
		Edge_1RB_Right	18.47	/	/	19.56	/	/	<=30	Pass
		Outer_Full	16.79	/	/	17.88	/	/	<=30	Pass
		Inner_Full	16.47	/	/	17.56	/	/	<=30	Pass
		Inner_1RB_Left	16.16	/	/	17.25	/	/	<=30	Pass
		Inner_1RB_Right	18.29	/	/	19.38	/	/	<=30	Pass

CP-OFDM QPSK	1717.5	Edge_1RB_Left	20.82	/	/	21.91	/	/	<=30	Pass
		Edge_1RB_Right	15.92	/	/	17.01	/	/	<=30	Pass
		Outer_Full	18.08	/	/	19.17	/	/	<=30	Pass
		Inner_Full	17.61	/	/	18.7	/	/	<=30	Pass
		Inner_1RB_Left	20.78	/	/	21.87	/	/	<=30	Pass
		Inner_1RB_Right	16.11	/	/	17.2	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.27	/	/	18.36	/	/	<=30	Pass
		Edge_1RB_Right	19.77	/	/	20.86	/	/	<=30	Pass
		Outer_Full	18.93	/	/	20.02	/	/	<=30	Pass
		Inner_Full	18.74	/	/	19.83	/	/	<=30	Pass
		Inner_1RB_Left	17.24	/	/	18.33	/	/	<=30	Pass
		Inner_1RB_Right	19.98	/	/	21.07	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	16.22	/	/	17.31	/	/	<=30	Pass
		Edge_1RB_Right	18.26	/	/	19.35	/	/	<=30	Pass
		Outer_Full	16.96	/	/	18.05	/	/	<=30	Pass
		Inner_Full	16.65	/	/	17.74	/	/	<=30	Pass
		Inner_1RB_Left	16.22	/	/	17.31	/	/	<=30	Pass
		Inner_1RB_Right	18.28	/	/	19.37	/	/	<=30	Pass
CP-OFDM 16 QAM	1717.5	Edge_1RB_Left	21.17	/	/	22.26	/	/	<=30	Pass
		Edge_1RB_Right	16.22	/	/	17.31	/	/	<=30	Pass
		Outer_Full	18.01	/	/	19.1	/	/	<=30	Pass
		Inner_Full	17.54	/	/	18.63	/	/	<=30	Pass
		Inner_1RB_Left	20.9	/	/	21.99	/	/	<=30	Pass
		Inner_1RB_Right	16.22	/	/	17.31	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.57	/	/	18.66	/	/	<=30	Pass
		Edge_1RB_Right	20.23	/	/	21.32	/	/	<=30	Pass
		Outer_Full	18.79	/	/	19.88	/	/	<=30	Pass
		Inner_Full	18.8	/	/	19.89	/	/	<=30	Pass
		Inner_1RB_Left	17.48	/	/	18.57	/	/	<=30	Pass
		Inner_1RB_Right	20.26	/	/	21.35	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	16.53	/	/	17.62	/	/	<=30	Pass
		Edge_1RB_Right	18.56	/	/	19.65	/	/	<=30	Pass
		Outer_Full	16.91	/	/	18	/	/	<=30	Pass
		Inner_Full	16.63	/	/	17.72	/	/	<=30	Pass
		Inner_1RB_Left	16.34	/	/	17.43	/	/	<=30	Pass
		Inner_1RB_Right	18.4	/	/	19.49	/	/	<=30	Pass
CP-OFDM 64 QAM	1717.5	Edge_1RB_Left	21.11	/	/	22.2	/	/	<=30	Pass
		Edge_1RB_Right	16.17	/	/	17.26	/	/	<=30	Pass
		Outer_Full	17.94	/	/	19.03	/	/	<=30	Pass
		Inner_Full	17.64	/	/	18.73	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	16.17	/	/	17.26	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.66	/	/	18.75	/	/	<=30	Pass
		Edge_1RB_Right	20.26	/	/	21.35	/	/	<=30	Pass
		Outer_Full	18.87	/	/	19.96	/	/	<=30	Pass
		Inner_Full	18.72	/	/	19.81	/	/	<=30	Pass
		Inner_1RB_Left	17.42	/	/	18.51	/	/	<=30	Pass
		Inner_1RB_Right	20.28	/	/	21.37	/	/	<=30	Pass

	1772.5	Edge_1RB_Left	16.6	/	/	17.69	/	/	<=30	Pass
		Edge_1RB_Right	18.6	/	/	19.69	/	/	<=30	Pass
		Outer_Full	16.92	/	/	18.01	/	/	<=30	Pass
		Inner_Full	16.67	/	/	17.76	/	/	<=30	Pass
		Inner_1RB_Left	16.23	/	/	17.32	/	/	<=30	Pass
		Inner_1RB_Right	18.46	/	/	19.55	/	/	<=30	Pass
CP-OFDM 256 QAM	1717.5	Edge_1RB_Left	21.12	/	/	22.21	/	/	<=30	Pass
		Edge_1RB_Right	16.18	/	/	17.27	/	/	<=30	Pass
		Outer_Full	18	/	/	19.09	/	/	<=30	Pass
		Inner_Full	17.58	/	/	18.67	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	16.18	/	/	17.27	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.48	/	/	18.57	/	/	<=30	Pass
		Edge_1RB_Right	20.12	/	/	21.21	/	/	<=30	Pass
		Outer_Full	18.82	/	/	19.91	/	/	<=30	Pass
		Inner_Full	18.62	/	/	19.71	/	/	<=30	Pass
		Inner_1RB_Left	17.31	/	/	18.4	/	/	<=30	Pass
		Inner_1RB_Right	20.05	/	/	21.14	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	16.57	/	/	17.66	/	/	<=30	Pass
		Edge_1RB_Right	18.62	/	/	19.71	/	/	<=30	Pass
		Outer_Full	16.9	/	/	17.99	/	/	<=30	Pass
		Inner_Full	16.61	/	/	17.7	/	/	<=30	Pass
		Inner_1RB_Left	16.34	/	/	17.43	/	/	<=30	Pass
		Inner_1RB_Right	18.44	/	/	19.53	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.09dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_20MHz_NTNV_EIRP

5G NR n66 SCS=15kHz 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	1720	Edge_1RB_Left	21.09	/	/	22.18	/	/	<=30	Pass
		Edge_1RB_Right	15.65	/	/	16.74	/	/	<=30	Pass
		Outer_Full	17.65	/	/	18.74	/	/	<=30	Pass
		Inner_Full	16.62	/	/	17.71	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	15.59	/	/	16.68	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.9	/	/	17.99	/	/	<=30	Pass
		Edge_1RB_Right	19.19	/	/	20.28	/	/	<=30	Pass
		Outer_Full	18.65	/	/	19.74	/	/	<=30	Pass
		Inner_Full	18.49	/	/	19.58	/	/	<=30	Pass
		Inner_1RB_Left	16.78	/	/	17.87	/	/	<=30	Pass
		Inner_1RB_Right	19.3	/	/	20.39	/	/	<=30	Pass
	1770	Edge_1RB_Left	17.01	/	/	18.1	/	/	<=30	Pass
		Edge_1RB_Right	18.75	/	/	19.84	/	/	<=30	Pass
		Outer_Full	16.63	/	/	17.72	/	/	<=30	Pass
		Inner_Full	15.83	/	/	16.92	/	/	<=30	Pass

DFT-s-OFDM 16 QAM		Inner_1RB_Left	16.8	/	/	17.89	/	/	<=30	Pass
		Inner_1RB_Right	18.87	/	/	19.96	/	/	<=30	Pass
	1720	Edge_1RB_Left	21.06	/	/	22.15	/	/	<=30	Pass
		Edge_1RB_Right	15.58	/	/	16.67	/	/	<=30	Pass
		Outer_Full	17.37	/	/	18.46	/	/	<=30	Pass
		Inner_Full	16.54	/	/	17.63	/	/	<=30	Pass
		Inner_1RB_Left	20.89	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Right	15.59	/	/	16.68	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.96	/	/	18.05	/	/	<=30	Pass
		Edge_1RB_Right	19.28	/	/	20.37	/	/	<=30	Pass
		Outer_Full	18.51	/	/	19.6	/	/	<=30	Pass
		Inner_Full	18.5	/	/	19.59	/	/	<=30	Pass
		Inner_1RB_Left	16.83	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Right	19.38	/	/	20.47	/	/	<=30	Pass
	1770	Edge_1RB_Left	17.14	/	/	18.23	/	/	<=30	Pass
		Edge_1RB_Right	18.83	/	/	19.92	/	/	<=30	Pass
		Outer_Full	16.56	/	/	17.65	/	/	<=30	Pass
		Inner_Full	15.83	/	/	16.92	/	/	<=30	Pass
		Inner_1RB_Left	16.97	/	/	18.06	/	/	<=30	Pass
		Inner_1RB_Right	18.96	/	/	20.05	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1720	Edge_1RB_Left	21.14	/	/	22.23	/	/	<=30	Pass
		Edge_1RB_Right	15.58	/	/	16.67	/	/	<=30	Pass
		Outer_Full	17.31	/	/	18.4	/	/	<=30	Pass
		Inner_Full	16.53	/	/	17.62	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	21.93	/	/	<=30	Pass
		Inner_1RB_Right	15.76	/	/	16.85	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.05	/	/	18.14	/	/	<=30	Pass
		Edge_1RB_Right	19.32	/	/	20.41	/	/	<=30	Pass
		Outer_Full	18.48	/	/	19.57	/	/	<=30	Pass
		Inner_Full	18.45	/	/	19.54	/	/	<=30	Pass
		Inner_1RB_Left	16.87	/	/	17.96	/	/	<=30	Pass
		Inner_1RB_Right	19.41	/	/	20.5	/	/	<=30	Pass
	1770	Edge_1RB_Left	17.16	/	/	18.25	/	/	<=30	Pass
		Edge_1RB_Right	18.89	/	/	19.98	/	/	<=30	Pass
		Outer_Full	16.53	/	/	17.62	/	/	<=30	Pass
		Inner_Full	15.75	/	/	16.84	/	/	<=30	Pass
		Inner_1RB_Left	17.05	/	/	18.14	/	/	<=30	Pass
		Inner_1RB_Right	19.07	/	/	20.16	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1720	Edge_1RB_Left	20.83	/	/	21.92	/	/	<=30	Pass
		Edge_1RB_Right	15.46	/	/	16.55	/	/	<=30	Pass
		Outer_Full	17.32	/	/	18.41	/	/	<=30	Pass
		Inner_Full	16.55	/	/	17.64	/	/	<=30	Pass
		Inner_1RB_Left	20.63	/	/	21.72	/	/	<=30	Pass
		Inner_1RB_Right	15.47	/	/	16.56	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.76	/	/	17.85	/	/	<=30	Pass
		Edge_1RB_Right	19.11	/	/	20.2	/	/	<=30	Pass
		Outer_Full	18.5	/	/	19.59	/	/	<=30	Pass
		Inner_Full	18.46	/	/	19.55	/	/	<=30	Pass

		Inner_1RB_Left	16.67	/	/	17.76	/	/	<=30	Pass
		Inner_1RB_Right	19.2	/	/	20.29	/	/	<=30	Pass
	1770	Edge_1RB_Left	17	/	/	18.09	/	/	<=30	Pass
		Edge_1RB_Right	18.63	/	/	19.72	/	/	<=30	Pass
		Outer_Full	16.54	/	/	17.63	/	/	<=30	Pass
		Inner_Full	15.81	/	/	16.9	/	/	<=30	Pass
		Inner_1RB_Left	16.82	/	/	17.91	/	/	<=30	Pass
		Inner_1RB_Right	18.83	/	/	19.92	/	/	<=30	Pass
CP-OFDM QPSK	1720	Edge_1RB_Left	20.76	/	/	21.85	/	/	<=30	Pass
		Edge_1RB_Right	15.42	/	/	16.51	/	/	<=30	Pass
		Outer_Full	17.41	/	/	18.5	/	/	<=30	Pass
		Inner_Full	16.58	/	/	17.67	/	/	<=30	Pass
		Inner_1RB_Left	20.69	/	/	21.78	/	/	<=30	Pass
		Inner_1RB_Right	15.49	/	/	16.58	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.69	/	/	17.78	/	/	<=30	Pass
		Edge_1RB_Right	18.99	/	/	20.08	/	/	<=30	Pass
		Outer_Full	18.67	/	/	19.76	/	/	<=30	Pass
		Inner_Full	18.6	/	/	19.69	/	/	<=30	Pass
		Inner_1RB_Left	16.78	/	/	17.87	/	/	<=30	Pass
		Inner_1RB_Right	19.22	/	/	20.31	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.94	/	/	18.03	/	/	<=30	Pass
		Edge_1RB_Right	18.49	/	/	19.58	/	/	<=30	Pass
		Outer_Full	16.82	/	/	17.91	/	/	<=30	Pass
		Inner_Full	16.04	/	/	17.13	/	/	<=30	Pass
		Inner_1RB_Left	16.91	/	/	18	/	/	<=30	Pass
		Inner_1RB_Right	18.75	/	/	19.84	/	/	<=30	Pass
CP-OFDM 16 QAM	1720	Edge_1RB_Left	21.01	/	/	22.1	/	/	<=30	Pass
		Edge_1RB_Right	15.69	/	/	16.78	/	/	<=30	Pass
		Outer_Full	17.34	/	/	18.43	/	/	<=30	Pass
		Inner_Full	16.56	/	/	17.65	/	/	<=30	Pass
		Inner_1RB_Left	20.85	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Right	15.62	/	/	16.71	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.99	/	/	18.08	/	/	<=30	Pass
		Edge_1RB_Right	19.34	/	/	20.43	/	/	<=30	Pass
		Outer_Full	18.66	/	/	19.75	/	/	<=30	Pass
		Inner_Full	18.66	/	/	19.75	/	/	<=30	Pass
		Inner_1RB_Left	16.86	/	/	17.95	/	/	<=30	Pass
		Inner_1RB_Right	19.29	/	/	20.38	/	/	<=30	Pass
	1770	Edge_1RB_Left	17.31	/	/	18.4	/	/	<=30	Pass
		Edge_1RB_Right	18.91	/	/	20	/	/	<=30	Pass
		Outer_Full	16.81	/	/	17.9	/	/	<=30	Pass
		Inner_Full	16.02	/	/	17.11	/	/	<=30	Pass
		Inner_1RB_Left	17.12	/	/	18.21	/	/	<=30	Pass
		Inner_1RB_Right	18.98	/	/	20.07	/	/	<=30	Pass
CP-OFDM 64 QAM	1720	Edge_1RB_Left	21	/	/	22.09	/	/	<=30	Pass
		Edge_1RB_Right	15.67	/	/	16.76	/	/	<=30	Pass
		Outer_Full	17.32	/	/	18.41	/	/	<=30	Pass
		Inner_Full	16.52	/	/	17.61	/	/	<=30	Pass

		Inner_1RB_Left	20.83	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	15.62	/	/	16.71	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.85	/	/	17.94	/	/	<=30	Pass
		Edge_1RB_Right	19.22	/	/	20.31	/	/	<=30	Pass
		Outer_Full	18.52	/	/	19.61	/	/	<=30	Pass
		Inner_Full	18.55	/	/	19.64	/	/	<=30	Pass
		Inner_1RB_Left	16.77	/	/	17.86	/	/	<=30	Pass
		Inner_1RB_Right	19.26	/	/	20.35	/	/	<=30	Pass
	1770	Edge_1RB_Left	17.44	/	/	18.53	/	/	<=30	Pass
		Edge_1RB_Right	19.02	/	/	20.11	/	/	<=30	Pass
		Outer_Full	16.81	/	/	17.9	/	/	<=30	Pass
		Inner_Full	15.91	/	/	17	/	/	<=30	Pass
		Inner_1RB_Left	17.25	/	/	18.34	/	/	<=30	Pass
		Inner_1RB_Right	19.08	/	/	20.17	/	/	<=30	Pass
CP-OFDM 256 QAM	1720	Edge_1RB_Left	21	/	/	22.09	/	/	<=30	Pass
		Edge_1RB_Right	15.64	/	/	16.73	/	/	<=30	Pass
		Outer_Full	17.35	/	/	18.44	/	/	<=30	Pass
		Inner_Full	16.5	/	/	17.59	/	/	<=30	Pass
		Inner_1RB_Left	20.74	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	15.53	/	/	16.62	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.93	/	/	18.02	/	/	<=30	Pass
		Edge_1RB_Right	19.21	/	/	20.3	/	/	<=30	Pass
		Outer_Full	18.6	/	/	19.69	/	/	<=30	Pass
		Inner_Full	18.57	/	/	19.66	/	/	<=30	Pass
		Inner_1RB_Left	16.8	/	/	17.89	/	/	<=30	Pass
		Inner_1RB_Right	19.26	/	/	20.35	/	/	<=30	Pass
	1770	Edge_1RB_Left	17.2	/	/	18.29	/	/	<=30	Pass
		Edge_1RB_Right	18.75	/	/	19.84	/	/	<=30	Pass
		Outer_Full	16.76	/	/	17.85	/	/	<=30	Pass
		Inner_Full	15.94	/	/	17.03	/	/	<=30	Pass
		Inner_1RB_Left	17	/	/	18.09	/	/	<=30	Pass
		Inner_1RB_Right	18.79	/	/	19.88	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.09dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30k_SISO_10MHz_NTNV_EIRP

5G NR n66 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	1715	Edge_1RB_Left	21.64	/	/	22.73	/	/	<=30	Pass
		Edge_1RB_Right	18.17	/	/	19.26	/	/	<=30	Pass
		Outer_Full	20.04	/	/	21.13	/	/	<=30	Pass
		Inner_Full	19.4	/	/	20.49	/	/	<=30	Pass
		Inner_1RB_Left	21.14	/	/	22.23	/	/	<=30	Pass
		Inner_1RB_Right	18.19	/	/	19.28	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.11	/	/	19.2	/	/	<=30	Pass
		Edge_1RB_Right	20.12	/	/	21.21	/	/	<=30	Pass

		Outer_Full	19.37	/	/	20.46	/	/	<=30	Pass
		Inner_Full	19.19	/	/	20.28	/	/	<=30	Pass
		Inner_1RB_Left	18.02	/	/	19.11	/	/	<=30	Pass
		Inner_1RB_Right	20.16	/	/	21.25	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.15	/	/	18.24	/	/	<=30	Pass
		Edge_1RB_Right	18.73	/	/	19.82	/	/	<=30	Pass
		Outer_Full	18.08	/	/	19.17	/	/	<=30	Pass
		Inner_Full	17.9	/	/	18.99	/	/	<=30	Pass
		Inner_1RB_Left	17.04	/	/	18.13	/	/	<=30	Pass
		Inner_1RB_Right	18.29	/	/	19.38	/	/	<=30	Pass
		Edge_1RB_Left	21.31	/	/	22.4	/	/	<=30	Pass
		Edge_1RB_Right	17.9	/	/	18.99	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1715	Outer_Full	19.49	/	/	20.58	/	/	<=30	Pass
		Inner_Full	19.18	/	/	20.27	/	/	<=30	Pass
		Inner_1RB_Left	20.95	/	/	22.04	/	/	<=30	Pass
		Inner_1RB_Right	18.04	/	/	19.13	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.11	/	/	19.2	/	/	<=30	Pass
		Edge_1RB_Right	20.13	/	/	21.22	/	/	<=30	Pass
		Outer_Full	19.22	/	/	20.31	/	/	<=30	Pass
		Inner_Full	19.15	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Left	18.06	/	/	19.15	/	/	<=30	Pass
		Inner_1RB_Right	20.19	/	/	21.28	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.18	/	/	18.27	/	/	<=30	Pass
		Edge_1RB_Right	18.57	/	/	19.66	/	/	<=30	Pass
		Outer_Full	17.87	/	/	18.96	/	/	<=30	Pass
		Inner_Full	17.89	/	/	18.98	/	/	<=30	Pass
		Inner_1RB_Left	17.09	/	/	18.18	/	/	<=30	Pass
		Inner_1RB_Right	18.5	/	/	19.59	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1715	Edge_1RB_Left	21.16	/	/	22.25	/	/	<=30	Pass
		Edge_1RB_Right	17.77	/	/	18.86	/	/	<=30	Pass
		Outer_Full	19.29	/	/	20.38	/	/	<=30	Pass
		Inner_Full	19.04	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Left	20.77	/	/	21.86	/	/	<=30	Pass
		Inner_1RB_Right	17.8	/	/	18.89	/	/	<=30	Pass
	1745	Edge_1RB_Left	18.08	/	/	19.17	/	/	<=30	Pass
		Edge_1RB_Right	20.1	/	/	21.19	/	/	<=30	Pass
		Outer_Full	19.13	/	/	20.22	/	/	<=30	Pass
		Inner_Full	19.09	/	/	20.18	/	/	<=30	Pass
		Inner_1RB_Left	18.02	/	/	19.11	/	/	<=30	Pass
		Inner_1RB_Right	20.17	/	/	21.26	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.24	/	/	18.33	/	/	<=30	Pass
		Edge_1RB_Right	18.75	/	/	19.84	/	/	<=30	Pass
		Outer_Full	17.82	/	/	18.91	/	/	<=30	Pass
		Inner_Full	17.93	/	/	19.02	/	/	<=30	Pass
		Inner_1RB_Left	17.15	/	/	18.24	/	/	<=30	Pass
		Inner_1RB_Right	18.51	/	/	19.6	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1715	Edge_1RB_Left	20.96	/	/	22.05	/	/	<=30	Pass
		Edge_1RB_Right	17.6	/	/	18.69	/	/	<=30	Pass

		Outer_Full	19.23	/	/	20.32	/	/	<=30	Pass
		Inner_Full	20.05	/	/	21.14	/	/	<=30	Pass
		Inner_1RB_Left	21.95	/	/	23.04	/	/	<=30	Pass
		Inner_1RB_Right	18.96	/	/	20.05	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.93	/	/	19.02	/	/	<=30	Pass
		Edge_1RB_Right	19.99	/	/	21.08	/	/	<=30	Pass
		Outer_Full	19.12	/	/	20.21	/	/	<=30	Pass
		Inner_Full	19.05	/	/	20.14	/	/	<=30	Pass
	1775	Inner_1RB_Left	17.89	/	/	18.98	/	/	<=30	Pass
		Inner_1RB_Right	20.04	/	/	21.13	/	/	<=30	Pass
		Edge_1RB_Left	17.08	/	/	18.17	/	/	<=30	Pass
		Edge_1RB_Right	18.44	/	/	19.53	/	/	<=30	Pass
		Outer_Full	17.91	/	/	19	/	/	<=30	Pass
		Inner_Full	17.85	/	/	18.94	/	/	<=30	Pass
		Inner_1RB_Left	16.94	/	/	18.03	/	/	<=30	Pass
		Inner_1RB_Right	18.22	/	/	19.31	/	/	<=30	Pass
CP-OFDM QPSK	1715	Edge_1RB_Left	21.4	/	/	22.49	/	/	<=30	Pass
		Edge_1RB_Right	18.06	/	/	19.15	/	/	<=30	Pass
		Outer_Full	20.12	/	/	21.21	/	/	<=30	Pass
		Inner_Full	19.43	/	/	20.52	/	/	<=30	Pass
		Inner_1RB_Left	20.98	/	/	22.07	/	/	<=30	Pass
		Inner_1RB_Right	18.22	/	/	19.31	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.69	/	/	18.78	/	/	<=30	Pass
		Edge_1RB_Right	19.65	/	/	20.74	/	/	<=30	Pass
		Outer_Full	19.08	/	/	20.17	/	/	<=30	Pass
		Inner_Full	19	/	/	20.09	/	/	<=30	Pass
		Inner_1RB_Left	17.81	/	/	18.9	/	/	<=30	Pass
		Inner_1RB_Right	19.94	/	/	21.03	/	/	<=30	Pass
	1775	Edge_1RB_Left	16.78	/	/	17.87	/	/	<=30	Pass
		Edge_1RB_Right	18.12	/	/	19.21	/	/	<=30	Pass
		Outer_Full	17.88	/	/	18.97	/	/	<=30	Pass
		Inner_Full	17.8	/	/	18.89	/	/	<=30	Pass
		Inner_1RB_Left	16.91	/	/	18	/	/	<=30	Pass
		Inner_1RB_Right	18.13	/	/	19.22	/	/	<=30	Pass
CP-OFDM 16 QAM	1715	Edge_1RB_Left	21.22	/	/	22.31	/	/	<=30	Pass
		Edge_1RB_Right	17.86	/	/	18.95	/	/	<=30	Pass
		Outer_Full	19.5	/	/	20.59	/	/	<=30	Pass
		Inner_Full	19.25	/	/	20.34	/	/	<=30	Pass
		Inner_1RB_Left	20.92	/	/	22.01	/	/	<=30	Pass
		Inner_1RB_Right	18.15	/	/	19.24	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.98	/	/	19.07	/	/	<=30	Pass
		Edge_1RB_Right	19.99	/	/	21.08	/	/	<=30	Pass
		Outer_Full	19	/	/	20.09	/	/	<=30	Pass
		Inner_Full	18.96	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Left	17.93	/	/	19.02	/	/	<=30	Pass
		Inner_1RB_Right	20.07	/	/	21.16	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.07	/	/	18.16	/	/	<=30	Pass
		Edge_1RB_Right	18.43	/	/	19.52	/	/	<=30	Pass

		Outer_Full	17.75	/	/	18.84	/	/	<=30	Pass
		Inner_Full	17.79	/	/	18.88	/	/	<=30	Pass
		Inner_1RB_Left	17.06	/	/	18.15	/	/	<=30	Pass
		Inner_1RB_Right	18.28	/	/	19.37	/	/	<=30	Pass
CP-OFDM 64 QAM	1715	Edge_1RB_Left	21.26	/	/	22.35	/	/	<=30	Pass
		Edge_1RB_Right	17.99	/	/	19.08	/	/	<=30	Pass
		Outer_Full	19.34	/	/	20.43	/	/	<=30	Pass
		Inner_Full	19.06	/	/	20.15	/	/	<=30	Pass
		Inner_1RB_Left	20.83	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	18.03	/	/	19.12	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.99	/	/	19.08	/	/	<=30	Pass
		Edge_1RB_Right	20.1	/	/	21.19	/	/	<=30	Pass
		Outer_Full	18.98	/	/	20.07	/	/	<=30	Pass
		Inner_Full	18.94	/	/	20.03	/	/	<=30	Pass
		Inner_1RB_Left	18.05	/	/	19.14	/	/	<=30	Pass
		Inner_1RB_Right	20.17	/	/	21.26	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.3	/	/	18.39	/	/	<=30	Pass
		Edge_1RB_Right	18.62	/	/	19.71	/	/	<=30	Pass
		Outer_Full	17.73	/	/	18.82	/	/	<=30	Pass
		Inner_Full	17.77	/	/	18.86	/	/	<=30	Pass
		Inner_1RB_Left	17.17	/	/	18.26	/	/	<=30	Pass
		Inner_1RB_Right	18.42	/	/	19.51	/	/	<=30	Pass
CP-OFDM 256 QAM	1715	Edge_1RB_Left	21.12	/	/	22.21	/	/	<=30	Pass
		Edge_1RB_Right	17.77	/	/	18.86	/	/	<=30	Pass
		Outer_Full	19.38	/	/	20.47	/	/	<=30	Pass
		Inner_Full	19.07	/	/	20.16	/	/	<=30	Pass
		Inner_1RB_Left	20.77	/	/	21.86	/	/	<=30	Pass
		Inner_1RB_Right	17.93	/	/	19.02	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.95	/	/	19.04	/	/	<=30	Pass
		Edge_1RB_Right	19.96	/	/	21.05	/	/	<=30	Pass
		Outer_Full	19.02	/	/	20.11	/	/	<=30	Pass
		Inner_Full	18.95	/	/	20.04	/	/	<=30	Pass
		Inner_1RB_Left	17.86	/	/	18.95	/	/	<=30	Pass
		Inner_1RB_Right	20.03	/	/	21.12	/	/	<=30	Pass
	1775	Edge_1RB_Left	17.13	/	/	18.22	/	/	<=30	Pass
		Edge_1RB_Right	18.48	/	/	19.57	/	/	<=30	Pass
		Outer_Full	17.77	/	/	18.86	/	/	<=30	Pass
		Inner_Full	17.77	/	/	18.86	/	/	<=30	Pass
		Inner_1RB_Left	17.01	/	/	18.1	/	/	<=30	Pass
		Inner_1RB_Right	18.25	/	/	19.34	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.09dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30k_SISO_15MHz_NTNV_EIRP

5G NR n66 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	1717.5	Edge_1RB_Left	21.14	/	/	22.23	/	/	<=30	Pass
		Edge_1RB_Right	16.58	/	/	17.67	/	/	<=30	Pass
		Outer_Full	18.59	/	/	19.68	/	/	<=30	Pass
		Inner_Full	17.96	/	/	19.05	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	16.43	/	/	17.52	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.13	/	/	18.22	/	/	<=30	Pass
		Edge_1RB_Right	20.33	/	/	21.42	/	/	<=30	Pass
		Outer_Full	18.88	/	/	19.97	/	/	<=30	Pass
		Inner_Full	18.72	/	/	19.81	/	/	<=30	Pass
		Inner_1RB_Left	17.12	/	/	18.21	/	/	<=30	Pass
		Inner_1RB_Right	20.2	/	/	21.29	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	15.43	/	/	16.52	/	/	<=30	Pass
		Edge_1RB_Right	17.83	/	/	18.92	/	/	<=30	Pass
		Outer_Full	16.21	/	/	17.3	/	/	<=30	Pass
		Inner_Full	15.87	/	/	16.96	/	/	<=30	Pass
		Inner_1RB_Left	15.36	/	/	16.45	/	/	<=30	Pass
		Inner_1RB_Right	17.41	/	/	18.5	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1717.5	Edge_1RB_Left	21.07	/	/	22.16	/	/	<=30	Pass
		Edge_1RB_Right	16.54	/	/	17.63	/	/	<=30	Pass
		Outer_Full	18.39	/	/	19.48	/	/	<=30	Pass
		Inner_Full	17.9	/	/	18.99	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	16.46	/	/	17.55	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.2	/	/	18.29	/	/	<=30	Pass
		Edge_1RB_Right	20.39	/	/	21.48	/	/	<=30	Pass
		Outer_Full	18.78	/	/	19.87	/	/	<=30	Pass
		Inner_Full	18.71	/	/	19.8	/	/	<=30	Pass
		Inner_1RB_Left	17.17	/	/	18.26	/	/	<=30	Pass
		Inner_1RB_Right	20.32	/	/	21.41	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	15.5	/	/	16.59	/	/	<=30	Pass
		Edge_1RB_Right	17.9	/	/	18.99	/	/	<=30	Pass
		Outer_Full	16.17	/	/	17.26	/	/	<=30	Pass
		Inner_Full	15.85	/	/	16.94	/	/	<=30	Pass
		Inner_1RB_Left	15.45	/	/	16.54	/	/	<=30	Pass
		Inner_1RB_Right	17.51	/	/	18.6	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1717.5	Edge_1RB_Left	21.05	/	/	22.14	/	/	<=30	Pass
		Edge_1RB_Right	16.51	/	/	17.6	/	/	<=30	Pass
		Outer_Full	18.32	/	/	19.41	/	/	<=30	Pass
		Inner_Full	17.87	/	/	18.96	/	/	<=30	Pass
		Inner_1RB_Left	20.82	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Right	16.44	/	/	17.53	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.19	/	/	18.28	/	/	<=30	Pass
		Edge_1RB_Right	20.38	/	/	21.47	/	/	<=30	Pass
		Outer_Full	18.74	/	/	19.83	/	/	<=30	Pass
		Inner_Full	18.71	/	/	19.8	/	/	<=30	Pass
		Inner_1RB_Left	17.21	/	/	18.3	/	/	<=30	Pass
		Inner_1RB_Right	20.25	/	/	21.34	/	/	<=30	Pass

	1772.5	Edge_1RB_Left	15.61	/	/	16.7	/	/	<=30	Pass
		Edge_1RB_Right	17.86	/	/	18.95	/	/	<=30	Pass
		Outer_Full	16.14	/	/	17.23	/	/	<=30	Pass
		Inner_Full	15.88	/	/	16.97	/	/	<=30	Pass
		Inner_1RB_Left	15.46	/	/	16.55	/	/	<=30	Pass
		Inner_1RB_Right	17.56	/	/	18.65	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1717.5	Edge_1RB_Left	20.87	/	/	21.96	/	/	<=30	Pass
		Edge_1RB_Right	16.4	/	/	17.49	/	/	<=30	Pass
		Outer_Full	18.27	/	/	19.36	/	/	<=30	Pass
		Inner_Full	17.78	/	/	18.87	/	/	<=30	Pass
		Inner_1RB_Left	20.64	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Right	16.3	/	/	17.39	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.1	/	/	18.19	/	/	<=30	Pass
		Edge_1RB_Right	20.28	/	/	21.37	/	/	<=30	Pass
		Outer_Full	18.75	/	/	19.84	/	/	<=30	Pass
		Inner_Full	18.7	/	/	19.79	/	/	<=30	Pass
		Inner_1RB_Left	17.11	/	/	18.2	/	/	<=30	Pass
		Inner_1RB_Right	20.17	/	/	21.26	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	15.44	/	/	16.53	/	/	<=30	Pass
		Edge_1RB_Right	17.84	/	/	18.93	/	/	<=30	Pass
		Outer_Full	16.16	/	/	17.25	/	/	<=30	Pass
		Inner_Full	15.86	/	/	16.95	/	/	<=30	Pass
		Inner_1RB_Left	15.37	/	/	16.46	/	/	<=30	Pass
		Inner_1RB_Right	17.44	/	/	18.53	/	/	<=30	Pass
CP-OFDM QPSK	1717.5	Edge_1RB_Left	20.61	/	/	21.7	/	/	<=30	Pass
		Edge_1RB_Right	16.24	/	/	17.33	/	/	<=30	Pass
		Outer_Full	18.32	/	/	19.41	/	/	<=30	Pass
		Inner_Full	17.85	/	/	18.94	/	/	<=30	Pass
		Inner_1RB_Left	20.64	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Right	16.29	/	/	17.38	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.86	/	/	17.95	/	/	<=30	Pass
		Edge_1RB_Right	20.03	/	/	21.12	/	/	<=30	Pass
		Outer_Full	18.91	/	/	20	/	/	<=30	Pass
		Inner_Full	18.76	/	/	19.85	/	/	<=30	Pass
		Inner_1RB_Left	17.07	/	/	18.16	/	/	<=30	Pass
		Inner_1RB_Right	20.1	/	/	21.19	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	15.17	/	/	16.26	/	/	<=30	Pass
		Edge_1RB_Right	17.51	/	/	18.6	/	/	<=30	Pass
		Outer_Full	16.3	/	/	17.39	/	/	<=30	Pass
		Inner_Full	15.95	/	/	17.04	/	/	<=30	Pass
		Inner_1RB_Left	15.32	/	/	16.41	/	/	<=30	Pass
		Inner_1RB_Right	17.32	/	/	18.41	/	/	<=30	Pass
CP-OFDM 16 QAM	1717.5	Edge_1RB_Left	20.94	/	/	22.03	/	/	<=30	Pass
		Edge_1RB_Right	16.51	/	/	17.6	/	/	<=30	Pass
		Outer_Full	18.2	/	/	19.29	/	/	<=30	Pass
		Inner_Full	17.81	/	/	18.9	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Right	16.4	/	/	17.49	/	/	<=30	Pass

	1745	Edge_1RB_Left	17.11	/	/	18.2	/	/	<=30	Pass
		Edge_1RB_Right	20.35	/	/	21.44	/	/	<=30	Pass
		Outer_Full	18.84	/	/	19.93	/	/	<=30	Pass
		Inner_Full	18.76	/	/	19.85	/	/	<=30	Pass
		Inner_1RB_Left	17.19	/	/	18.28	/	/	<=30	Pass
		Inner_1RB_Right	20.23	/	/	21.32	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	15.54	/	/	16.63	/	/	<=30	Pass
		Edge_1RB_Right	17.89	/	/	18.98	/	/	<=30	Pass
		Outer_Full	16.24	/	/	17.33	/	/	<=30	Pass
		Inner_Full	15.93	/	/	17.02	/	/	<=30	Pass
		Inner_1RB_Left	15.51	/	/	16.6	/	/	<=30	Pass
		Inner_1RB_Right	17.5	/	/	18.59	/	/	<=30	Pass
CP-OFDM 64 QAM	1717.5	Edge_1RB_Left	21.05	/	/	22.14	/	/	<=30	Pass
		Edge_1RB_Right	16.59	/	/	17.68	/	/	<=30	Pass
		Outer_Full	18.19	/	/	19.28	/	/	<=30	Pass
		Inner_Full	17.78	/	/	18.87	/	/	<=30	Pass
		Inner_1RB_Left	20.83	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	16.48	/	/	17.57	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.29	/	/	18.38	/	/	<=30	Pass
		Edge_1RB_Right	20.51	/	/	21.6	/	/	<=30	Pass
		Outer_Full	18.85	/	/	19.94	/	/	<=30	Pass
		Inner_Full	18.76	/	/	19.85	/	/	<=30	Pass
		Inner_1RB_Left	17.33	/	/	18.42	/	/	<=30	Pass
		Inner_1RB_Right	20.38	/	/	21.47	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	15.69	/	/	16.78	/	/	<=30	Pass
		Edge_1RB_Right	17.93	/	/	19.02	/	/	<=30	Pass
		Outer_Full	16.26	/	/	17.35	/	/	<=30	Pass
		Inner_Full	15.95	/	/	17.04	/	/	<=30	Pass
		Inner_1RB_Left	15.57	/	/	16.66	/	/	<=30	Pass
		Inner_1RB_Right	17.6	/	/	18.69	/	/	<=30	Pass
CP-OFDM 256 QAM	1717.5	Edge_1RB_Left	20.9	/	/	21.99	/	/	<=30	Pass
		Edge_1RB_Right	16.44	/	/	17.53	/	/	<=30	Pass
		Outer_Full	18.19	/	/	19.28	/	/	<=30	Pass
		Inner_Full	17.78	/	/	18.87	/	/	<=30	Pass
		Inner_1RB_Left	20.69	/	/	21.78	/	/	<=30	Pass
		Inner_1RB_Right	16.34	/	/	17.43	/	/	<=30	Pass
	1745	Edge_1RB_Left	17.22	/	/	18.31	/	/	<=30	Pass
		Edge_1RB_Right	20.4	/	/	21.49	/	/	<=30	Pass
		Outer_Full	18.83	/	/	19.92	/	/	<=30	Pass
		Inner_Full	18.77	/	/	19.86	/	/	<=30	Pass
		Inner_1RB_Left	17.21	/	/	18.3	/	/	<=30	Pass
		Inner_1RB_Right	20.28	/	/	21.37	/	/	<=30	Pass
	1772.5	Edge_1RB_Left	15.6	/	/	16.69	/	/	<=30	Pass
		Edge_1RB_Right	17.94	/	/	19.03	/	/	<=30	Pass
		Outer_Full	16.26	/	/	17.35	/	/	<=30	Pass
		Inner_Full	15.98	/	/	17.07	/	/	<=30	Pass
		Inner_1RB_Left	15.49	/	/	16.58	/	/	<=30	Pass
		Inner_1RB_Right	17.52	/	/	18.61	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 1.09dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.7 30k_SISO_20MHz_NTNV_EIRP

5G NR n66 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM QPSK	1720	Edge_1RB_Left	21.11	/	/	22.2	/	/	<=30	Pass
		Edge_1RB_Right	16.03	/	/	17.12	/	/	<=30	Pass
		Outer_Full	17.95	/	/	19.04	/	/	<=30	Pass
		Inner_Full	16.96	/	/	18.05	/	/	<=30	Pass
		Inner_1RB_Left	20.87	/	/	21.96	/	/	<=30	Pass
		Inner_1RB_Right	15.86	/	/	16.95	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.72	/	/	17.81	/	/	<=30	Pass
		Edge_1RB_Right	19.85	/	/	20.94	/	/	<=30	Pass
		Outer_Full	18.88	/	/	19.97	/	/	<=30	Pass
		Inner_Full	18.72	/	/	19.81	/	/	<=30	Pass
		Inner_1RB_Left	16.76	/	/	17.85	/	/	<=30	Pass
		Inner_1RB_Right	19.83	/	/	20.92	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.59	/	/	17.68	/	/	<=30	Pass
		Edge_1RB_Right	19.21	/	/	20.3	/	/	<=30	Pass
		Outer_Full	16.62	/	/	17.71	/	/	<=30	Pass
		Inner_Full	15.78	/	/	16.87	/	/	<=30	Pass
		Inner_1RB_Left	16.5	/	/	17.59	/	/	<=30	Pass
		Inner_1RB_Right	18.78	/	/	19.87	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1720	Edge_1RB_Left	21.03	/	/	22.12	/	/	<=30	Pass
		Edge_1RB_Right	16.01	/	/	17.1	/	/	<=30	Pass
		Outer_Full	17.63	/	/	18.72	/	/	<=30	Pass
		Inner_Full	16.88	/	/	17.97	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	15.82	/	/	16.91	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.75	/	/	17.84	/	/	<=30	Pass
		Edge_1RB_Right	19.87	/	/	20.96	/	/	<=30	Pass
		Outer_Full	18.79	/	/	19.88	/	/	<=30	Pass
		Inner_Full	18.73	/	/	19.82	/	/	<=30	Pass
		Inner_1RB_Left	16.83	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Right	19.91	/	/	21	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.63	/	/	17.72	/	/	<=30	Pass
		Edge_1RB_Right	19.31	/	/	20.4	/	/	<=30	Pass
		Outer_Full	16.57	/	/	17.66	/	/	<=30	Pass
		Inner_Full	15.81	/	/	16.9	/	/	<=30	Pass
		Inner_1RB_Left	16.59	/	/	17.68	/	/	<=30	Pass
		Inner_1RB_Right	18.97	/	/	20.06	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1720	Edge_1RB_Left	20.98	/	/	22.07	/	/	<=30	Pass
		Edge_1RB_Right	15.96	/	/	17.05	/	/	<=30	Pass
		Outer_Full	17.6	/	/	18.69	/	/	<=30	Pass
		Inner_Full	16.89	/	/	17.98	/	/	<=30	Pass

		Inner_1RB_Left	20.81	/	/	21.9	/	/	<=30	Pass
		Inner_1RB_Right	15.85	/	/	16.94	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.78	/	/	17.87	/	/	<=30	Pass
		Edge_1RB_Right	19.93	/	/	21.02	/	/	<=30	Pass
		Outer_Full	18.75	/	/	19.84	/	/	<=30	Pass
		Inner_Full	18.76	/	/	19.85	/	/	<=30	Pass
		Inner_1RB_Left	16.84	/	/	17.93	/	/	<=30	Pass
		Inner_1RB_Right	19.89	/	/	20.98	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.76	/	/	17.85	/	/	<=30	Pass
		Edge_1RB_Right	19.35	/	/	20.44	/	/	<=30	Pass
		Outer_Full	16.56	/	/	17.65	/	/	<=30	Pass
		Inner_Full	15.85	/	/	16.94	/	/	<=30	Pass
		Inner_1RB_Left	16.7	/	/	17.79	/	/	<=30	Pass
		Inner_1RB_Right	18.92	/	/	20.01	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1720	Edge_1RB_Left	20.9	/	/	21.99	/	/	<=30	Pass
		Edge_1RB_Right	15.86	/	/	16.95	/	/	<=30	Pass
		Outer_Full	17.57	/	/	18.66	/	/	<=30	Pass
		Inner_Full	16.83	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Left	20.74	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	15.72	/	/	16.81	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.66	/	/	17.75	/	/	<=30	Pass
		Edge_1RB_Right	19.76	/	/	20.85	/	/	<=30	Pass
		Outer_Full	18.75	/	/	19.84	/	/	<=30	Pass
		Inner_Full	18.66	/	/	19.75	/	/	<=30	Pass
		Inner_1RB_Left	16.69	/	/	17.78	/	/	<=30	Pass
		Inner_1RB_Right	19.76	/	/	20.85	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.65	/	/	17.74	/	/	<=30	Pass
		Edge_1RB_Right	19.21	/	/	20.3	/	/	<=30	Pass
		Outer_Full	16.56	/	/	17.65	/	/	<=30	Pass
		Inner_Full	15.79	/	/	16.88	/	/	<=30	Pass
		Inner_1RB_Left	16.53	/	/	17.62	/	/	<=30	Pass
		Inner_1RB_Right	18.79	/	/	19.88	/	/	<=30	Pass
CP-OFDM QPSK	1720	Edge_1RB_Left	20.65	/	/	21.74	/	/	<=30	Pass
		Edge_1RB_Right	15.69	/	/	16.78	/	/	<=30	Pass
		Outer_Full	17.69	/	/	18.78	/	/	<=30	Pass
		Inner_Full	16.97	/	/	18.06	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Right	15.78	/	/	16.87	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.48	/	/	17.57	/	/	<=30	Pass
		Edge_1RB_Right	19.54	/	/	20.63	/	/	<=30	Pass
		Outer_Full	18.82	/	/	19.91	/	/	<=30	Pass
		Inner_Full	18.71	/	/	19.8	/	/	<=30	Pass
		Inner_1RB_Left	16.75	/	/	17.84	/	/	<=30	Pass
		Inner_1RB_Right	19.8	/	/	20.89	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.49	/	/	17.58	/	/	<=30	Pass
		Edge_1RB_Right	18.93	/	/	20.02	/	/	<=30	Pass
		Outer_Full	16.75	/	/	17.84	/	/	<=30	Pass
		Inner_Full	15.87	/	/	16.96	/	/	<=30	Pass

CP-OFDM 16 QAM		Inner_1RB_Left	16.63	/	/	17.72	/	/	<=30	Pass
		Inner_1RB_Right	18.77	/	/	19.86	/	/	<=30	Pass
	1720	Edge_1RB_Left	20.99	/	/	22.08	/	/	<=30	Pass
		Edge_1RB_Right	15.9	/	/	16.99	/	/	<=30	Pass
		Outer_Full	17.65	/	/	18.74	/	/	<=30	Pass
		Inner_Full	16.92	/	/	18.01	/	/	<=30	Pass
		Inner_1RB_Left	20.84	/	/	21.93	/	/	<=30	Pass
		Inner_1RB_Right	15.88	/	/	16.97	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.78	/	/	17.87	/	/	<=30	Pass
		Edge_1RB_Right	19.87	/	/	20.96	/	/	<=30	Pass
		Outer_Full	18.8	/	/	19.89	/	/	<=30	Pass
		Inner_Full	18.68	/	/	19.77	/	/	<=30	Pass
		Inner_1RB_Left	16.87	/	/	17.96	/	/	<=30	Pass
		Inner_1RB_Right	19.94	/	/	21.03	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.88	/	/	17.97	/	/	<=30	Pass
		Edge_1RB_Right	19.31	/	/	20.4	/	/	<=30	Pass
		Outer_Full	16.75	/	/	17.84	/	/	<=30	Pass
		Inner_Full	15.84	/	/	16.93	/	/	<=30	Pass
		Inner_1RB_Left	16.69	/	/	17.78	/	/	<=30	Pass
		Inner_1RB_Right	18.84	/	/	19.93	/	/	<=30	Pass
CP-OFDM 64 QAM	1720	Edge_1RB_Left	21.1	/	/	22.19	/	/	<=30	Pass
		Edge_1RB_Right	16.07	/	/	17.16	/	/	<=30	Pass
		Outer_Full	17.59	/	/	18.68	/	/	<=30	Pass
		Inner_Full	16.95	/	/	18.04	/	/	<=30	Pass
		Inner_1RB_Left	20.96	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Right	16	/	/	17.09	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.84	/	/	17.93	/	/	<=30	Pass
		Edge_1RB_Right	19.92	/	/	21.01	/	/	<=30	Pass
		Outer_Full	18.78	/	/	19.87	/	/	<=30	Pass
		Inner_Full	18.68	/	/	19.77	/	/	<=30	Pass
		Inner_1RB_Left	16.89	/	/	17.98	/	/	<=30	Pass
		Inner_1RB_Right	20.05	/	/	21.14	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.99	/	/	18.08	/	/	<=30	Pass
		Edge_1RB_Right	19.46	/	/	20.55	/	/	<=30	Pass
		Outer_Full	16.74	/	/	17.83	/	/	<=30	Pass
		Inner_Full	15.89	/	/	16.98	/	/	<=30	Pass
		Inner_1RB_Left	16.91	/	/	18	/	/	<=30	Pass
		Inner_1RB_Right	19.08	/	/	20.17	/	/	<=30	Pass
CP-OFDM 256 QAM	1720	Edge_1RB_Left	20.95	/	/	22.04	/	/	<=30	Pass
		Edge_1RB_Right	15.94	/	/	17.03	/	/	<=30	Pass
		Outer_Full	17.6	/	/	18.69	/	/	<=30	Pass
		Inner_Full	16.91	/	/	18	/	/	<=30	Pass
		Inner_1RB_Left	20.79	/	/	21.88	/	/	<=30	Pass
		Inner_1RB_Right	15.83	/	/	16.92	/	/	<=30	Pass
	1745	Edge_1RB_Left	16.81	/	/	17.9	/	/	<=30	Pass
		Edge_1RB_Right	19.89	/	/	20.98	/	/	<=30	Pass
		Outer_Full	18.8	/	/	19.89	/	/	<=30	Pass
		Inner_Full	18.66	/	/	19.75	/	/	<=30	Pass

		Inner_1RB_Left	16.86	/	/	17.95	/	/	<=30	Pass
		Inner_1RB_Right	19.93	/	/	21.02	/	/	<=30	Pass
	1770	Edge_1RB_Left	16.82	/	/	17.91	/	/	<=30	Pass
		Edge_1RB_Right	19.31	/	/	20.4	/	/	<=30	Pass
		Outer_Full	16.74	/	/	17.83	/	/	<=30	Pass
		Inner_Full	15.85	/	/	16.94	/	/	<=30	Pass
		Inner_1RB_Left	16.71	/	/	17.8	/	/	<=30	Pass
		Inner_1RB_Right	18.92	/	/	20.01	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.09dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

5G NR n66 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	1745	Outer_Full	20	LV	3.20	0.0018	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	6.20	0.0036	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	1.90	0.0011	>=-2.5 & <=2.5	Pass
				HV	4.60	0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0026	>=-2.5 & <=2.5	Pass
			20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256	1745	Outer_Full	20	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
				LV	1.40	0.0008	>=-2.5 & <=2.5	Pass

QAM				HV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.20	0.0030	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.00	-0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	50	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.00	0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	1.20	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	0.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-0.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass

2.1.2 15k_SISO_10MHz

5G NR n66 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	1745	Outer_Full	20	LV	1.40	0.0008	>=-2.5 & <=2.5	Pass
				HV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			50	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	3.40	0.0019	>=-2.5 & <=2.5	Pass
				HV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	2.50	0.0014	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			50	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	4.10	0.0023	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			50	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	2.90	0.0017	>=-2.5 & <=2.5	Pass
				HV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	2.40	0.0014	>=-2.5 & <=2.5	Pass

			-30	HV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.40	0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.10	0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.40	0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	HV	0.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.20	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.20	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	NV	0.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.00	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	LV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	HV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.20	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.00	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.20	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	0.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass

2.1.3 15k_SISO_15MHz

5G NR n66 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	1745	Outer_Full	20	LV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	HV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.00	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.10	0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	50	NV	6.30	0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	HV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.20	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass

			30	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.60	0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.80	0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.00	0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	0.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
				HV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.50	0.0003	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.40	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.20	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.00	0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	1.20	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	0.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.20	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.40	0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass

				HV	0.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass

2.1.4 15k_SISO_20MHz

5G NR n66 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	1745	Outer_Full	20	LV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.30	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.30	0.0030	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.10	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.70	0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	4.10	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.20	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.70	0.0027	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass

			30	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.20	0.0036	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.30	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	4.10	0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.20	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass

2.1.5 30k_SISO_10MHz

5G NR n66 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	1745	Outer_Full	20	LV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	5.80	0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.30	0.0036	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.00	0.0029	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-0.80	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.40	0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.00	0.0040	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.00	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.50	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.10	0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.20	0.0030	≥ -2.5 & ≤ 2.5	Pass
			20	LV	5.50	0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	5.60	0.0032	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	-30	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.00	0.0034	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.10	0.0029	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.80	0.0045	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.40	0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.70	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	-10	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.20	0.0030	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.30	0.0036	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.90	0.0040	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.40	0.0031	≥ -2.5 & ≤ 2.5	Pass
			20	LV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.10	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.20	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	10	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.90	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.50	0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full						

CP-OFDM 64 QAM	1745	Outer_Full	30	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			20	LV	2.10	0.0012	>=-2.5 & <=2.5	Pass
				HV	4.80	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			10	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	40	NV	4.80	0.0028	>=-2.5 & <=2.5	Pass
			50	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			20	LV	5.90	0.0034	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			40	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass

2.1.6 30k_SISO_15MHz

5G NR n66 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	1745	Outer_Full	20	LV	5.20	0.0030	>=-2.5 & <=2.5	Pass
				HV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	5.60	0.0032	>=-2.5 & <=2.5	Pass
			10	NV	5.80	0.0033	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	6.80	0.0039	>=-2.5 & <=2.5	Pass
			40	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	6.50	0.0037	>=-2.5 & <=2.5	Pass
				HV	8.30	0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass
			0	NV	5.30	0.0030	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	5.20	0.0030	>=-2.5 & <=2.5	Pass
			40	NV	7.10	0.0041	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	4.50	0.0026	>=-2.5 & <=2.5	Pass
				HV	6.60	0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	6.90	0.0040	>=-2.5 & <=2.5	Pass

			-10	NV	7.20	0.0041	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.30	0.0036	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.30	0.0036	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.90	0.0028	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.60	0.0038	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.40	0.0037	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	6.00	0.0034	≥ -2.5 & ≤ 2.5	Pass
				HV	6.60	0.0038	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.70	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.80	0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.40	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.40	0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.90	0.0045	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	4.50	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	-20	NV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.00	0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	7.70	0.0044	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.30	0.0025	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.70	0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	LV	4.70	0.0027	≥ -2.5 & ≤ 2.5	Pass
				HV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.80	0.0028	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.10	0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.20	0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	10	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.10	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.60	0.0021	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.60	0.0038	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	40	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.30	-0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	4.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-2.30	-0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	4.60	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.80	0.0016	≥ -2.5 & ≤ 2.5	Pass

			30	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			50	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass

2.1.7 30k_SISO_20MHz

5G NR n66 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	1745	Outer_Full	20	LV	3.20	0.0018	>=-2.5 & <=2.5	Pass
				HV	5.20	0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	5.40	0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	5.20	0.0030	>=-2.5 & <=2.5	Pass
			0	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			50	NV	4.90	0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	5.00	0.0029	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	5.60	0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	6.50	0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	6.80	0.0039	>=-2.5 & <=2.5	Pass
			0	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	7.70	0.0044	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	7.60	0.0044	>=-2.5 & <=2.5	Pass
			40	NV	4.70	0.0027	>=-2.5 & <=2.5	Pass
			50	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	3.50	0.0020	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	4.70	0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	6.40	0.0037	>=-2.5 & <=2.5	Pass
			0	NV	6.80	0.0039	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	8.00	0.0046	>=-2.5 & <=2.5	Pass
			30	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			40	NV	7.10	0.0041	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
				HV	7.00	0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	7.50	0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			50	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	0.60	0.0003	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass

			-10	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.10	0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.90	0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	4.90	0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.80	0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.10	0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.90	0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	2.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	-20	NV	1.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.00	0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.10	0.0041	≥ -2.5 & ≤ 2.5	Pass
			50	NV	0.60	0.0003	≥ -2.5 & ≤ 2.5	Pass
			20	LV	1.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.30	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.00	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.00	0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.90	-0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	10	NV	1.10	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.50	0.0026	≥ -2.5 & ≤ 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 15k_SISO_20MHz_NTNV

5G NR n66 SCS=15kHz SISO 20MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM QPSK	1745	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	1745	Outer_Full	Refer To Test Graph			Pass

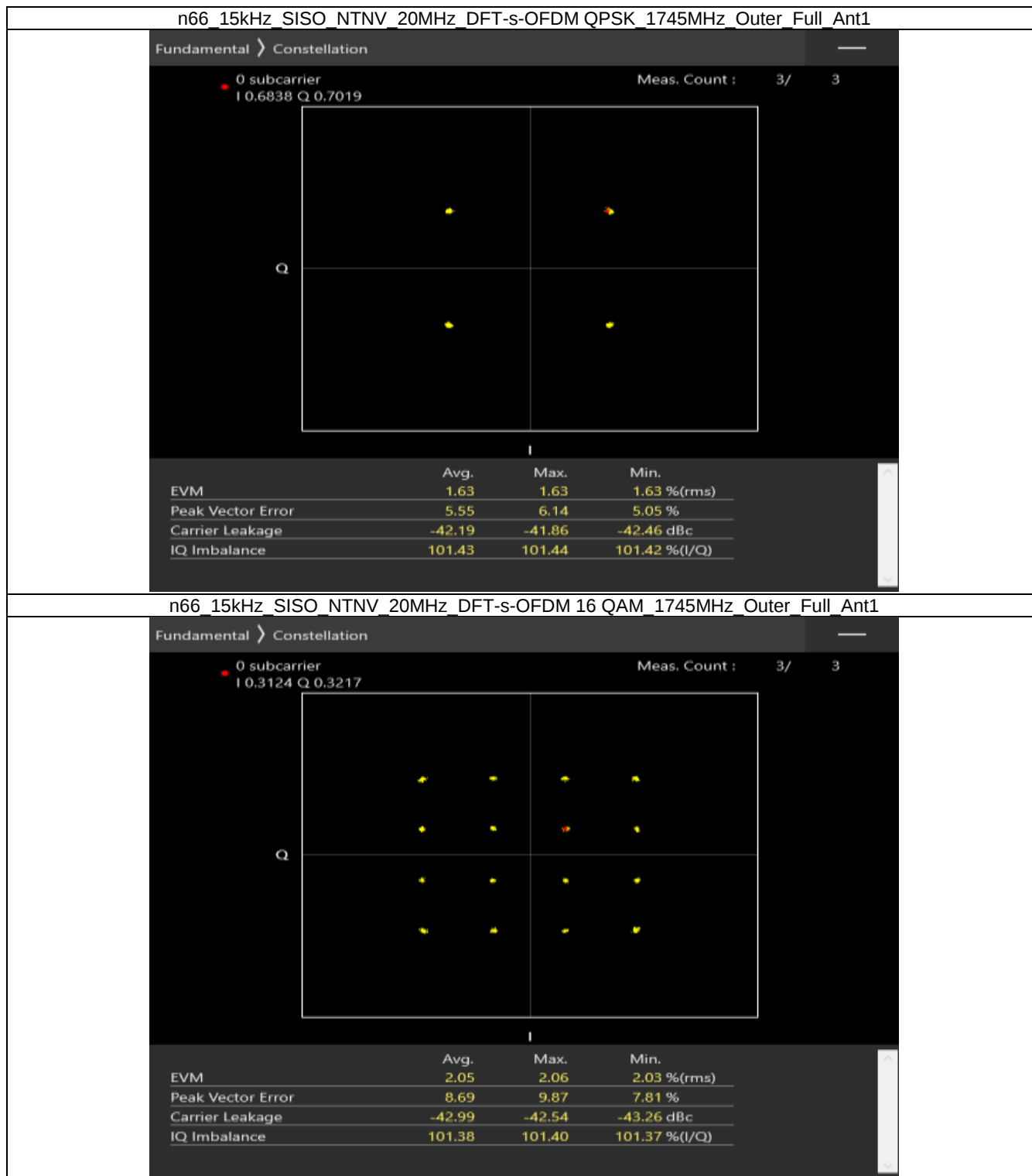
CP-OFDM 16 QAM	1745	Outer_Full	Refer To Test Graph	Pass
CP-OFDM 64 QAM	1745	Outer_Full	Refer To Test Graph	Pass
CP-OFDM 256 QAM	1745	Outer_Full	Refer To Test Graph	Pass

3.1.2 30k_SISO_20MHz_NTNV

5G NR n66 SCS=30kHz SISO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1745	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	1745	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 16 QAM	1745	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 64 QAM	1745	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 256 QAM	1745	Outer_Full	Refer To Test Graph				Pass

3.2 Test Graph

3.2.1 15k_SISO_20MHz_NTNV



n66 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 1745MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4421 Q 0.7716

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	2.13	2.14	2.12 %(rms)
Peak Vector Error	8.50	9.09	7.76 %
Carrier Leakage	-42.32	-42.28	-42.38 dBc
IQ Imbalance	101.39	101.40	101.38 %(I/Q)

n66 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1745MHz Outer Full Ant1

Fundamental > Constellation

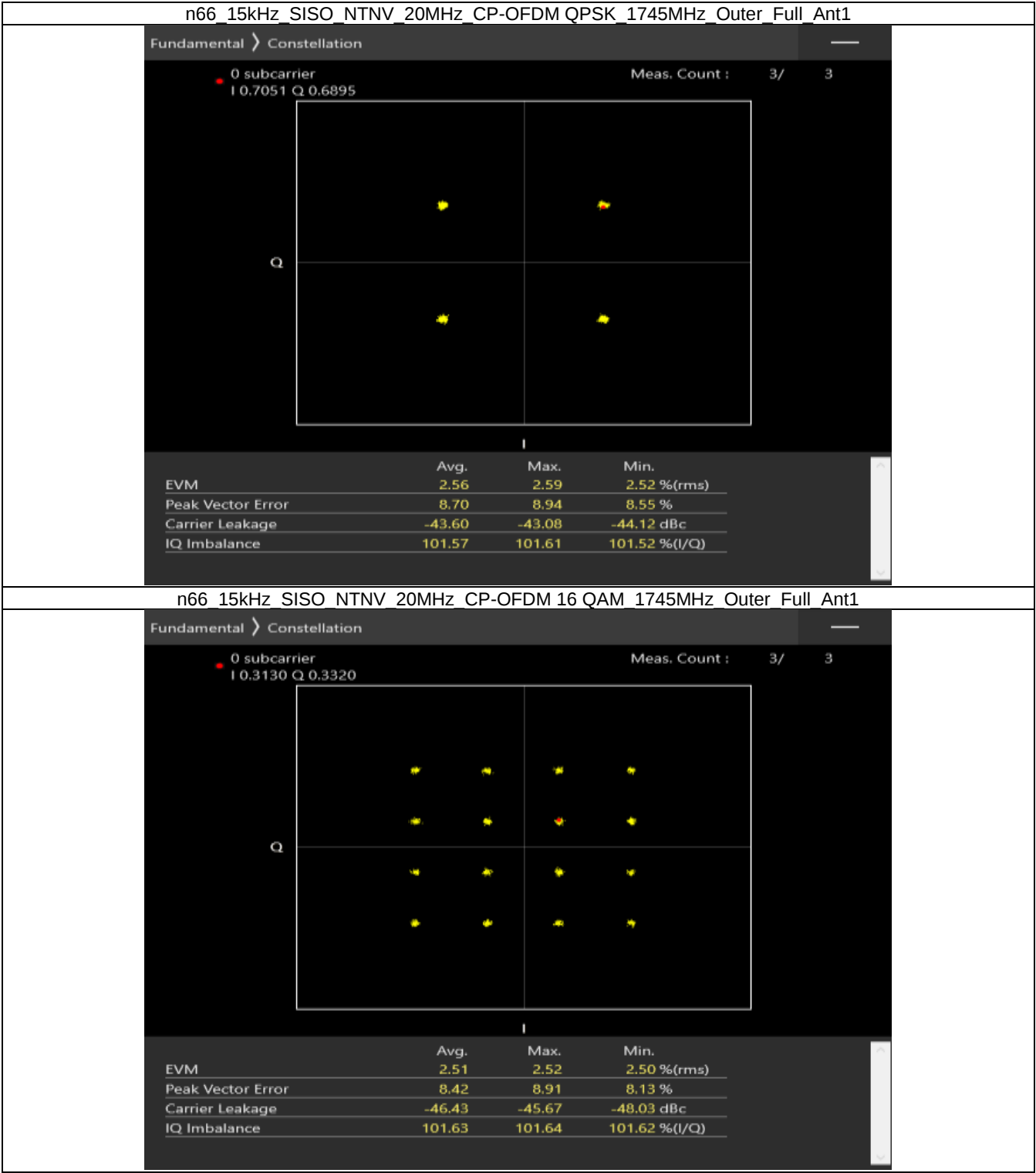
0 subcarrier
I 0.5299 Q 0.0872

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	2.13	2.14	2.12 %(rms)
Peak Vector Error	8.81	9.37	8.36 %
Carrier Leakage	-47.65	-47.21	-48.06 dBc
IQ Imbalance	101.36	101.38	101.35 %(I/Q)



n66 15kHz SISO NTV 20MHz CP-OFDM 64 QAM 1745MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4937 Q 0.1270

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.55	2.56	2.53 %(rms)
Peak Vector Error	8.14	8.40	7.94 %
Carrier Leakage	-43.70	-43.10	-44.83 dBc
IQ Imbalance	101.55	101.58	101.52 %(I/Q)

n66 15kHz SISO NTV 20MHz CP-OFDM 256 QAM 1745MHz Outer Full Ant1

Fundamental > Constellation

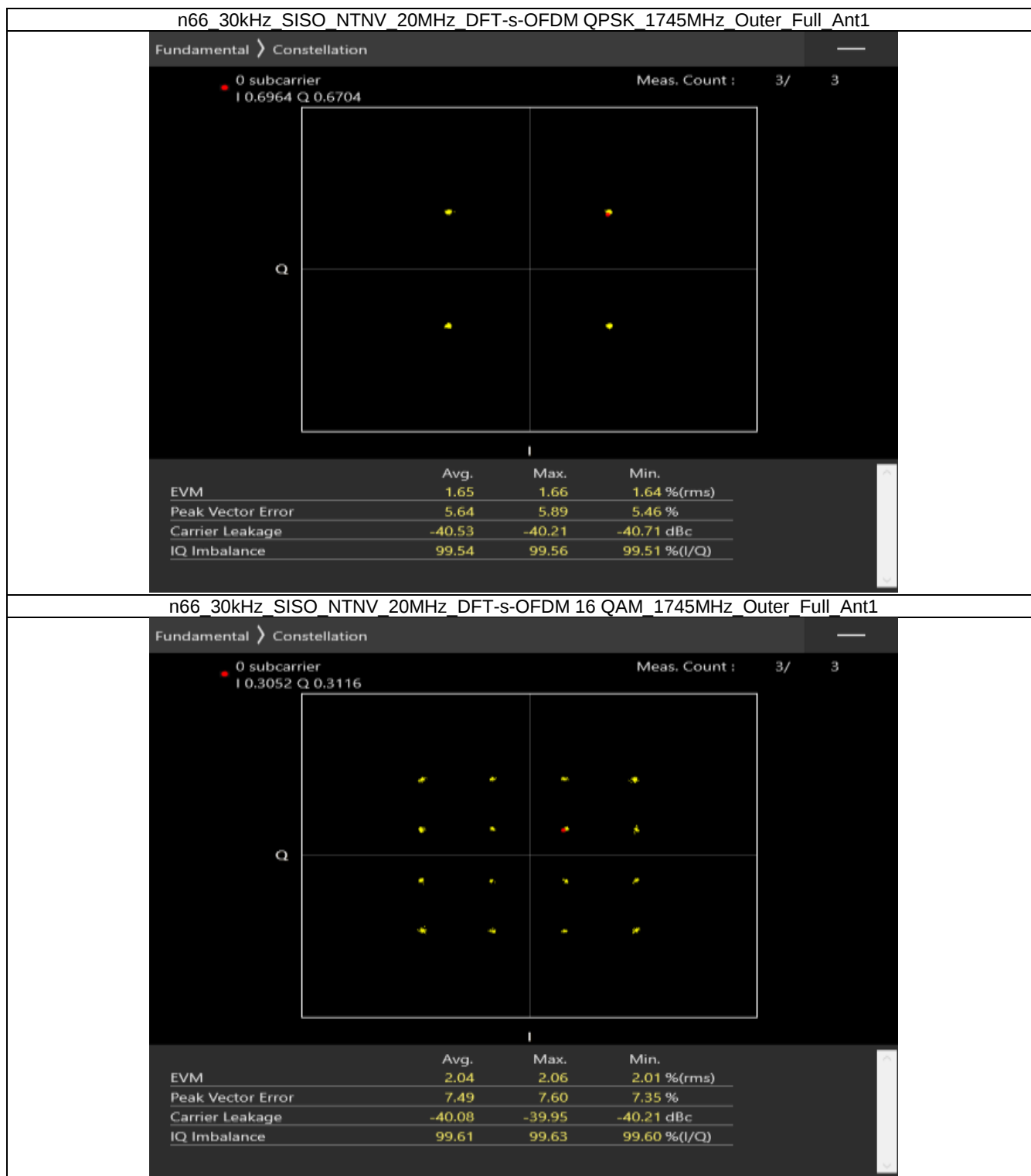
0 subcarrier
I 0.5307 Q 0.2285

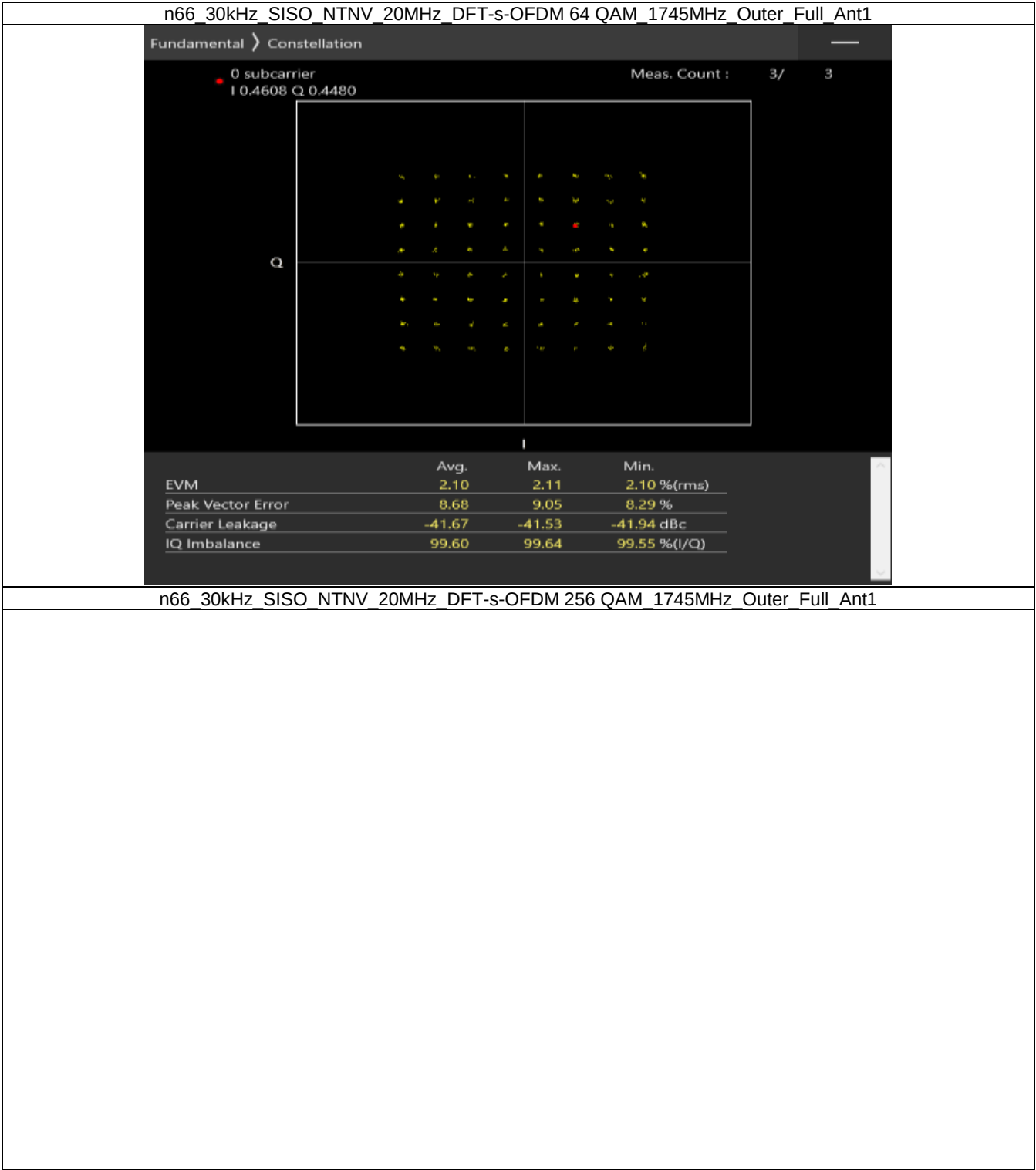
Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.59	2.72	2.51 %(rms)
Peak Vector Error	9.23	10.12	8.55 %
Carrier Leakage	-42.70	-41.98	-43.14 dBc
IQ Imbalance	101.52	101.56	101.45 %(I/Q)

3.2.2 30k_SISO_20MHz_NTNV



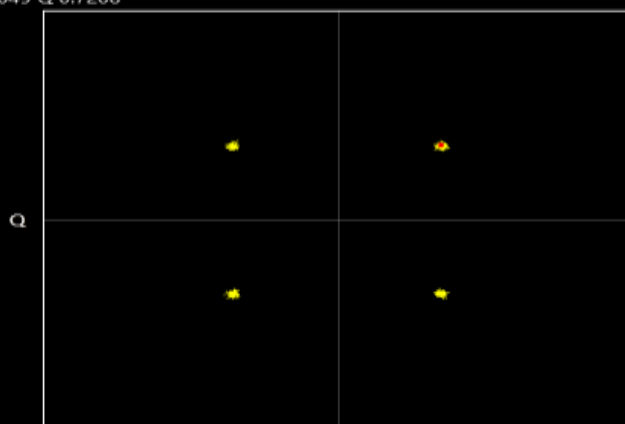


n66_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1745MHz_Outer_Full_Ant1

Fundamental > Constellation

0 subcarrier
I 0.7049 Q 0.7208

Meas. Count : 3/ 3



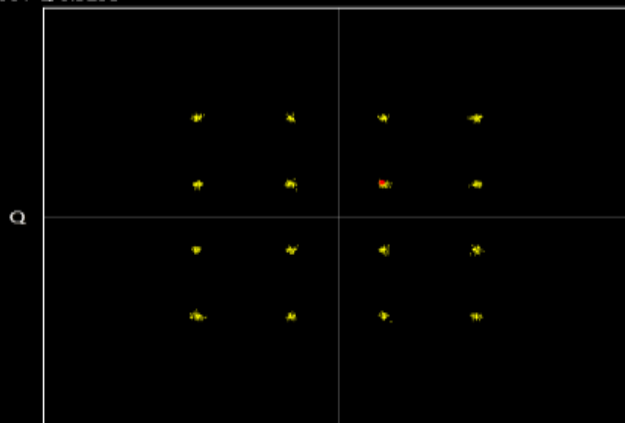
	Avg.	Max.	Min.
EVM	2.51	2.51	2.49 %(rms)
Peak Vector Error	7.56	7.59	7.52 %
Carrier Leakage	-49.27	-48.91	-49.74 dBc
IQ Imbalance	99.51	99.53	99.49 %(I/Q)

n66_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_1745MHz_Outer_Full_Ant1

Fundamental > Constellation

0 subcarrier
I 0.3061 Q 0.3293

Meas. Count : 3/ 3



	Avg.	Max.	Min.
EVM	2.44	2.50	2.39 %(rms)
Peak Vector Error	7.80	8.18	7.55 %
Carrier Leakage	-47.89	-47.66	-48.10 dBc
IQ Imbalance	99.53	99.54	99.52 %(I/Q)

n66 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 1745MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.1654 Q 0.4678

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.42	2.45	2.40 %(rms)
Peak Vector Error	7.53	7.98	7.31 %
Carrier Leakage	-55.38	-54.67	-57.04 dBc
IQ Imbalance	99.60	99.60	99.59 %(I/Q)

n66 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 1745MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.5337 Q 0.5374

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.47	2.48	2.46 %(rms)
Peak Vector Error	8.69	9.37	7.51 %
Carrier Leakage	-40.42	-40.40	-40.45 dBc
IQ Imbalance	99.56	99.59	99.54 %(I/Q)

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

5G NR n66 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1712.5	Outer_Full	4.60	5.08	/	Pass
	1745	Outer_Full	4.61	5.08	/	Pass
	1777.5	Outer_Full	4.60	5.08	/	Pass
DFT-s-OFDM 16 QAM	1712.5	Outer_Full	4.57	5.08	/	Pass
	1745	Outer_Full	4.56	5.07	/	Pass
	1777.5	Outer_Full	4.57	5.05	/	Pass
DFT-s-OFDM 64 QAM	1712.5	Outer_Full	4.60	5.06	/	Pass
	1745	Outer_Full	4.60	5.07	/	Pass
	1777.5	Outer_Full	4.62	5.09	/	Pass
DFT-s-OFDM 256 QAM	1712.5	Outer_Full	4.57	5.08	/	Pass
	1745	Outer_Full	4.57	5.09	/	Pass
	1777.5	Outer_Full	4.58	5.08	/	Pass
CP-OFDM QPSK	1712.5	Outer_Full	4.55	5.04	/	Pass
	1745	Outer_Full	4.54	5.05	/	Pass
	1777.5	Outer_Full	4.56	5.07	/	Pass
CP-OFDM 16 QAM	1712.5	Outer_Full	4.57	5.06	/	Pass
	1745	Outer_Full	4.56	5.05	/	Pass
	1777.5	Outer_Full	4.57	5.07	/	Pass
CP-OFDM 64 QAM	1712.5	Outer_Full	4.55	5.05	/	Pass
	1745	Outer_Full	4.54	5.06	/	Pass
	1777.5	Outer_Full	4.55	5.03	/	Pass
CP-OFDM 256 QAM	1712.5	Outer_Full	4.56	5.06	/	Pass
	1745	Outer_Full	4.55	5.05	/	Pass
	1777.5	Outer_Full	4.57	5.07	/	Pass

4.1.2 15k_SISO_10MHz_NTNV

5G NR n66 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1715	Outer_Full	9.08	9.93	/	Pass
	1745	Outer_Full	9.08	9.86	/	Pass
	1775	Outer_Full	9.08	9.90	/	Pass
DFT-s-OFDM 16 QAM	1715	Outer_Full	9.07	9.98	/	Pass
	1745	Outer_Full	9.06	10.00	/	Pass
	1775	Outer_Full	9.07	9.93	/	Pass
DFT-s-OFDM 64 QAM	1715	Outer_Full	9.10	9.96	/	Pass
	1745	Outer_Full	9.09	9.89	/	Pass
	1775	Outer_Full	9.11	9.97	/	Pass
DFT-s-OFDM 256 QAM	1715	Outer_Full	9.04	9.94	/	Pass
	1745	Outer_Full	9.05	9.92	/	Pass
	1775	Outer_Full	9.08	10.01	/	Pass
CP-OFDM QPSK	1715	Outer_Full	9.41	10.15	/	Pass
	1745	Outer_Full	9.38	10.16	/	Pass

	1775	Outer_Full	9.39	10.17	/	Pass
CP-OFDM 16 QAM	1715	Outer_Full	9.40	10.19	/	Pass
	1745	Outer_Full	9.41	10.18	/	Pass
	1775	Outer_Full	9.40	10.18	/	Pass
CP-OFDM 64 QAM	1715	Outer_Full	9.42	10.21	/	Pass
	1745	Outer_Full	9.42	10.14	/	Pass
	1775	Outer_Full	9.43	10.17	/	Pass
CP-OFDM 256 QAM	1715	Outer_Full	9.44	10.21	/	Pass
	1745	Outer_Full	9.42	10.09	/	Pass
	1775	Outer_Full	9.42	10.16	/	Pass

4.1.3 15k_SISO_15MHz_NTNV

5G NR n66 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1717.5	Outer_Full	13.63	14.82	/	Pass
	1745	Outer_Full	13.64	14.86	/	Pass
	1772.5	Outer_Full	13.60	14.75	/	Pass
DFT-s-OFDM 16 QAM	1717.5	Outer_Full	13.71	14.96	/	Pass
	1745	Outer_Full	13.64	14.88	/	Pass
	1772.5	Outer_Full	13.63	14.87	/	Pass
DFT-s-OFDM 64 QAM	1717.5	Outer_Full	13.62	14.79	/	Pass
	1745	Outer_Full	13.64	14.87	/	Pass
	1772.5	Outer_Full	13.60	14.87	/	Pass
DFT-s-OFDM 256 QAM	1717.5	Outer_Full	13.67	14.88	/	Pass
	1745	Outer_Full	13.65	14.96	/	Pass
	1772.5	Outer_Full	13.65	14.90	/	Pass
CP-OFDM QPSK	1717.5	Outer_Full	14.27	15.43	/	Pass
	1745	Outer_Full	14.29	15.35	/	Pass
	1772.5	Outer_Full	14.29	15.44	/	Pass
CP-OFDM 16 QAM	1717.5	Outer_Full	14.33	15.44	/	Pass
	1745	Outer_Full	14.35	15.48	/	Pass
	1772.5	Outer_Full	14.34	15.43	/	Pass
CP-OFDM 64 QAM	1717.5	Outer_Full	14.32	15.46	/	Pass
	1745	Outer_Full	14.34	15.42	/	Pass
	1772.5	Outer_Full	14.34	15.44	/	Pass
CP-OFDM 256 QAM	1717.5	Outer_Full	14.33	15.37	/	Pass
	1745	Outer_Full	14.33	15.36	/	Pass
	1772.5	Outer_Full	14.33	15.45	/	Pass

4.1.4 15k_SISO_20MHz_NTNV

5G NR n66 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1720	Outer_Full	18.15	19.52	/	Pass
	1745	Outer_Full	18.18	19.52	/	Pass
	1770	Outer_Full	18.11	19.56	/	Pass
DFT-s-OFDM 16 QAM	1720	Outer_Full	18.15	19.67	/	Pass
	1745	Outer_Full	18.18	19.62	/	Pass
	1770	Outer_Full	18.09	19.61	/	Pass
DFT-s-OFDM 64 QAM	1720	Outer_Full	18.19	19.59	/	Pass
	1745	Outer_Full	18.21	19.63	/	Pass
	1770	Outer_Full	18.16	19.69	/	Pass

DFT-s-OFDM 256 QAM	1720	Outer_Full	18.15	19.69	/	Pass
	1745	Outer_Full	18.18	19.69	/	Pass
	1770	Outer_Full	18.09	19.67	/	Pass
CP-OFDM QPSK	1720	Outer_Full	19.17	20.51	/	Pass
	1745	Outer_Full	19.22	20.53	/	Pass
	1770	Outer_Full	19.14	20.55	/	Pass
CP-OFDM 16 QAM	1720	Outer_Full	19.16	20.50	/	Pass
	1745	Outer_Full	19.21	20.52	/	Pass
	1770	Outer_Full	19.17	20.53	/	Pass
CP-OFDM 64 QAM	1720	Outer_Full	19.21	20.55	/	Pass
	1745	Outer_Full	19.22	20.52	/	Pass
	1770	Outer_Full	19.20	20.54	/	Pass
CP-OFDM 256 QAM	1720	Outer_Full	19.16	20.52	/	Pass
	1745	Outer_Full	19.18	20.59	/	Pass
	1770	Outer_Full	19.14	20.66	/	Pass

4.1.5 30k_SISO_10MHz_NTNV

5G NR n66 SCS=30kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1715	Outer_Full	8.80	9.98	/	Pass
	1745	Outer_Full	8.76	9.95	/	Pass
	1775	Outer_Full	8.82	10.01	/	Pass
DFT-s-OFDM 16 QAM	1715	Outer_Full	8.82	9.96	/	Pass
	1745	Outer_Full	8.76	10.02	/	Pass
	1775	Outer_Full	8.75	9.94	/	Pass
DFT-s-OFDM 64 QAM	1715	Outer_Full	8.77	9.98	/	Pass
	1745	Outer_Full	8.80	9.94	/	Pass
	1775	Outer_Full	8.79	9.92	/	Pass
DFT-s-OFDM 256 QAM	1715	Outer_Full	8.71	10.01	/	Pass
	1745	Outer_Full	8.70	9.88	/	Pass
	1775	Outer_Full	8.76	9.90	/	Pass
CP-OFDM QPSK	1715	Outer_Full	8.80	10.08	/	Pass
	1745	Outer_Full	8.81	10.02	/	Pass
	1775	Outer_Full	8.80	10.32	/	Pass
CP-OFDM 16 QAM	1715	Outer_Full	8.75	9.96	/	Pass
	1745	Outer_Full	8.76	9.95	/	Pass
	1775	Outer_Full	8.77	10.45	/	Pass
CP-OFDM 64 QAM	1715	Outer_Full	8.80	9.99	/	Pass
	1745	Outer_Full	8.74	9.98	/	Pass
	1775	Outer_Full	8.77	10.01	/	Pass
CP-OFDM 256 QAM	1715	Outer_Full	8.80	9.96	/	Pass
	1745	Outer_Full	8.79	9.96	/	Pass
	1775	Outer_Full	8.82	9.94	/	Pass

4.1.6 30k_SISO_15MHz_NTNV

5G NR n66 SCS=30kHz SISO 15MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1717.5	Outer_Full	13.17	14.93	/	Pass
	1745	Outer_Full	13.20	14.90	/	Pass
	1772.5	Outer_Full	13.21	14.92	/	Pass
DFT-s-OFDM 16 QAM	1717.5	Outer_Full	13.09	14.78	/	Pass

DFT-s-OFDM 64 QAM	1745	Outer_Full	13.15	14.81	/	Pass
	1772.5	Outer_Full	13.06	14.74	/	Pass
	1717.5	Outer_Full	13.25	14.89	/	Pass
	1745	Outer_Full	13.22	14.84	/	Pass
	1772.5	Outer_Full	13.14	14.73	/	Pass
DFT-s-OFDM 256 QAM	1717.5	Outer_Full	13.08	14.71	/	Pass
	1745	Outer_Full	13.10	14.76	/	Pass
	1772.5	Outer_Full	13.05	14.69	/	Pass
CP-OFDM QPSK	1717.5	Outer_Full	13.78	15.23	/	Pass
	1745	Outer_Full	13.78	15.24	/	Pass
	1772.5	Outer_Full	13.76	15.22	/	Pass
CP-OFDM 16 QAM	1717.5	Outer_Full	13.86	15.23	/	Pass
	1745	Outer_Full	13.87	15.38	/	Pass
	1772.5	Outer_Full	13.84	15.19	/	Pass
CP-OFDM 64 QAM	1717.5	Outer_Full	13.87	15.20	/	Pass
	1745	Outer_Full	13.86	15.23	/	Pass
	1772.5	Outer_Full	13.83	15.23	/	Pass
CP-OFDM 256 QAM	1717.5	Outer_Full	13.83	15.19	/	Pass
	1745	Outer_Full	13.81	15.15	/	Pass
	1772.5	Outer_Full	13.79	15.19	/	Pass

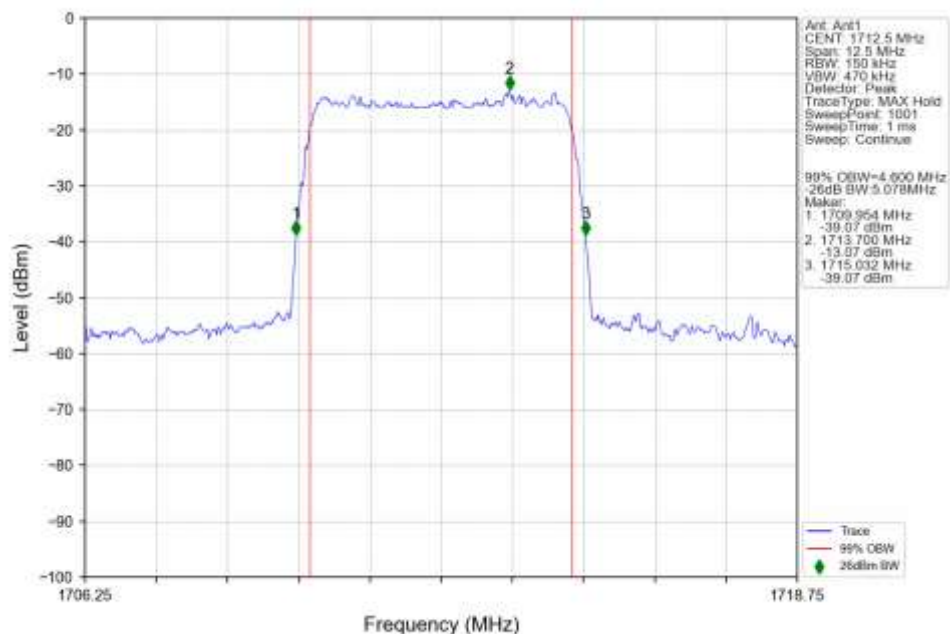
4.1.7 30k_SISO_20MHz_NTNV

5G NR n66 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	1720	Outer_Full	18.18	19.94	/	Pass
	1745	Outer_Full	18.18	19.68	/	Pass
	1770	Outer_Full	18.13	19.68	/	Pass
DFT-s-OFDM 16 QAM	1720	Outer_Full	18.16	20.01	/	Pass
	1745	Outer_Full	18.17	19.92	/	Pass
	1770	Outer_Full	18.10	19.89	/	Pass
DFT-s-OFDM 64 QAM	1720	Outer_Full	18.20	19.81	/	Pass
	1745	Outer_Full	18.24	19.90	/	Pass
	1770	Outer_Full	18.18	19.88	/	Pass
DFT-s-OFDM 256 QAM	1720	Outer_Full	18.16	20.10	/	Pass
	1745	Outer_Full	18.17	20.05	/	Pass
	1770	Outer_Full	18.11	20.02	/	Pass
CP-OFDM QPSK	1720	Outer_Full	18.45	20.09	/	Pass
	1745	Outer_Full	18.48	20.09	/	Pass
	1770	Outer_Full	18.46	20.09	/	Pass
CP-OFDM 16 QAM	1720	Outer_Full	18.54	20.27	/	Pass
	1745	Outer_Full	18.58	20.19	/	Pass
	1770	Outer_Full	18.54	20.32	/	Pass
CP-OFDM 64 QAM	1720	Outer_Full	18.53	20.23	/	Pass
	1745	Outer_Full	18.56	20.20	/	Pass
	1770	Outer_Full	18.53	20.21	/	Pass
CP-OFDM 256 QAM	1720	Outer_Full	18.50	20.20	/	Pass
	1745	Outer_Full	18.52	20.09	/	Pass
	1770	Outer_Full	18.50	20.16	/	Pass

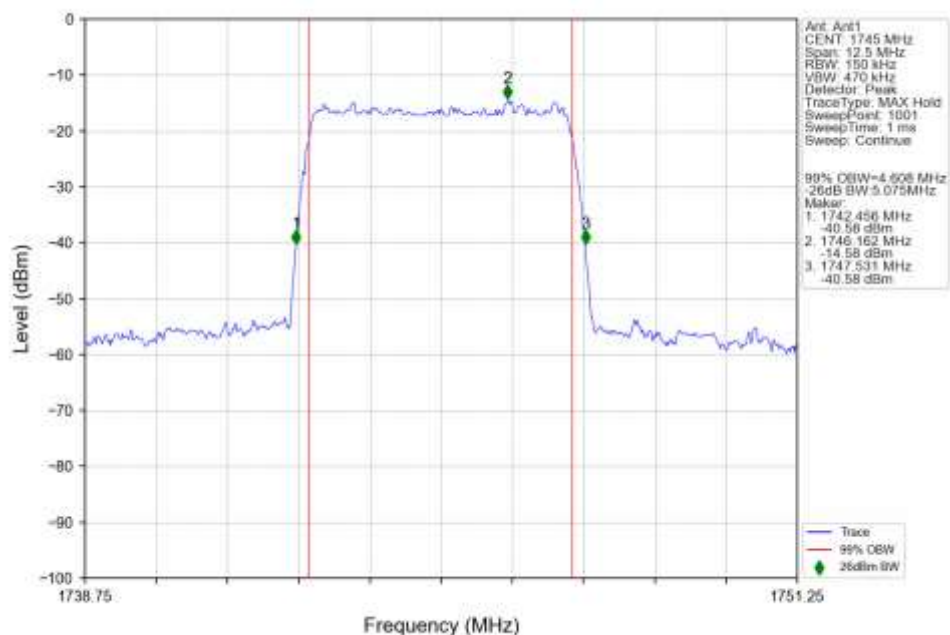
4.2 Test Graph

4.2.1 15k_SISO_5MHz_NTNV

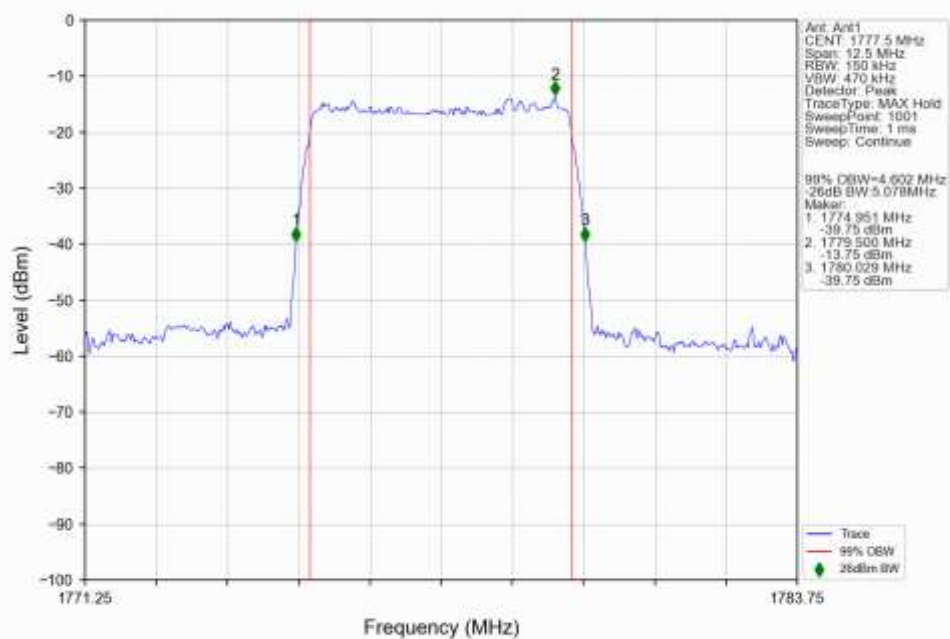
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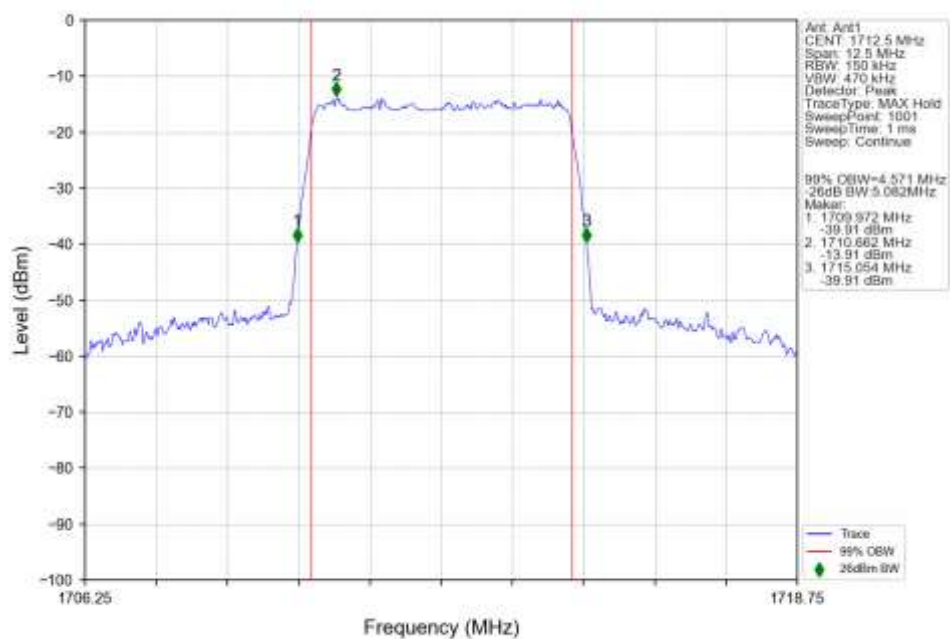
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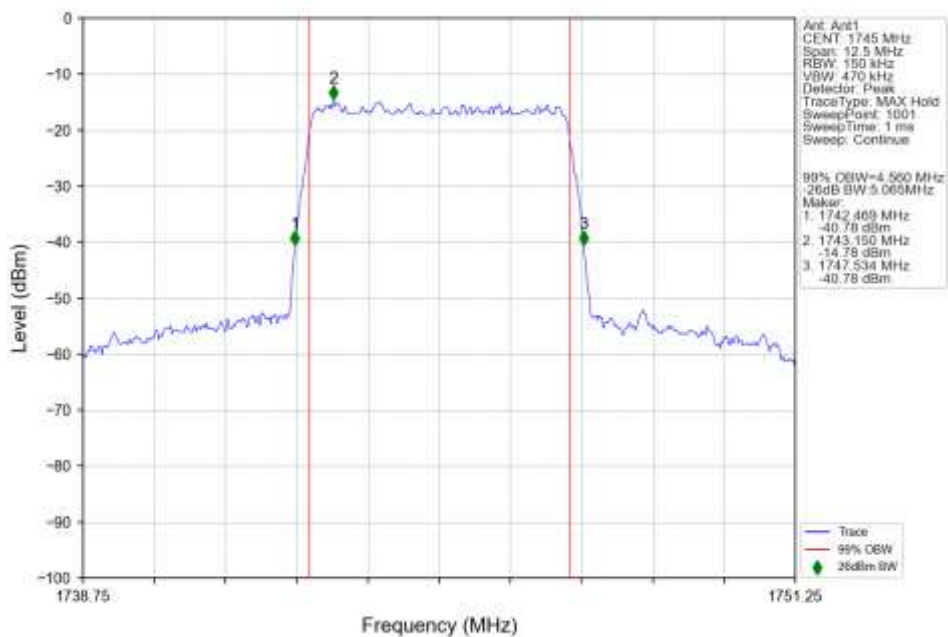
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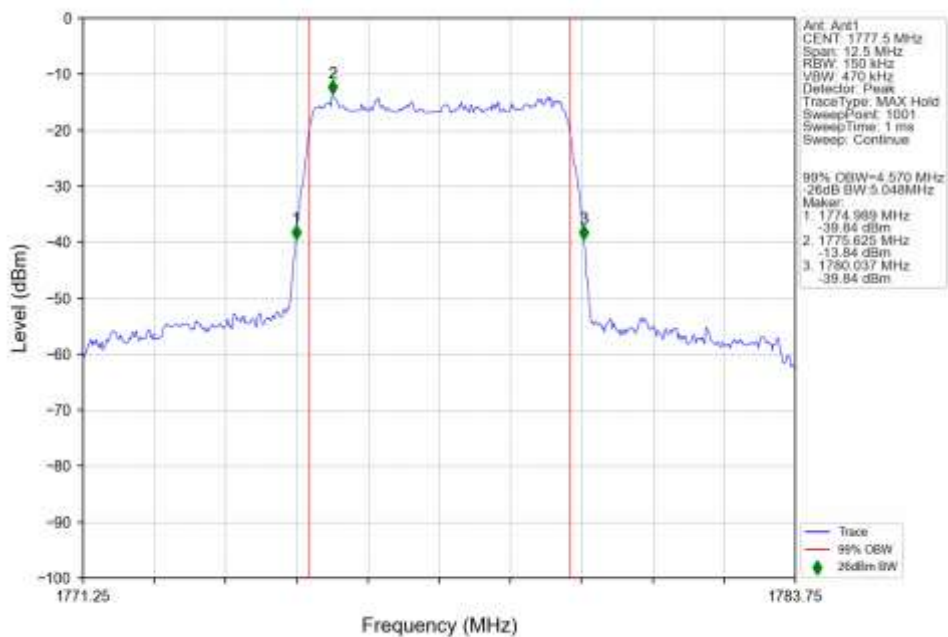
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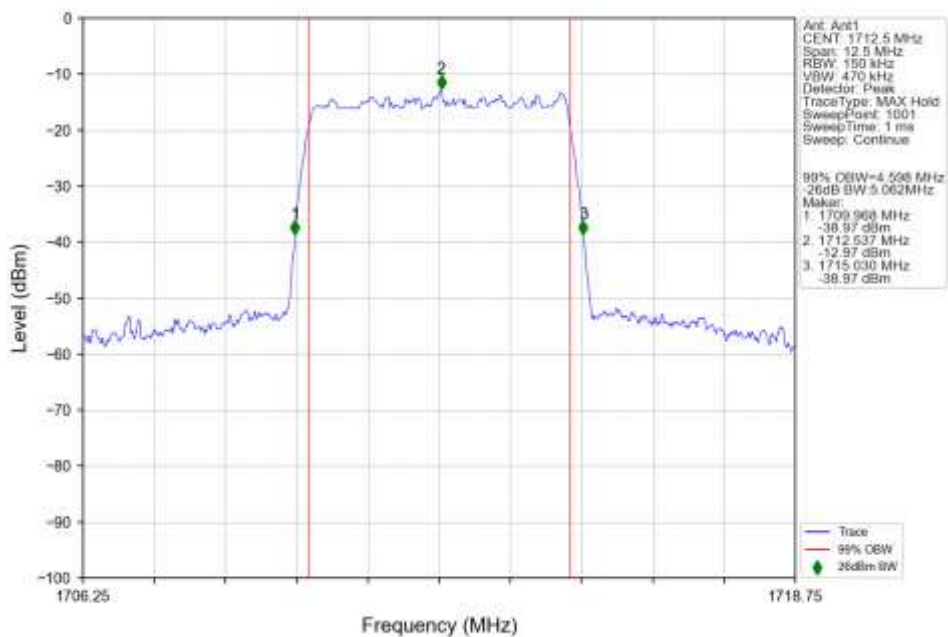
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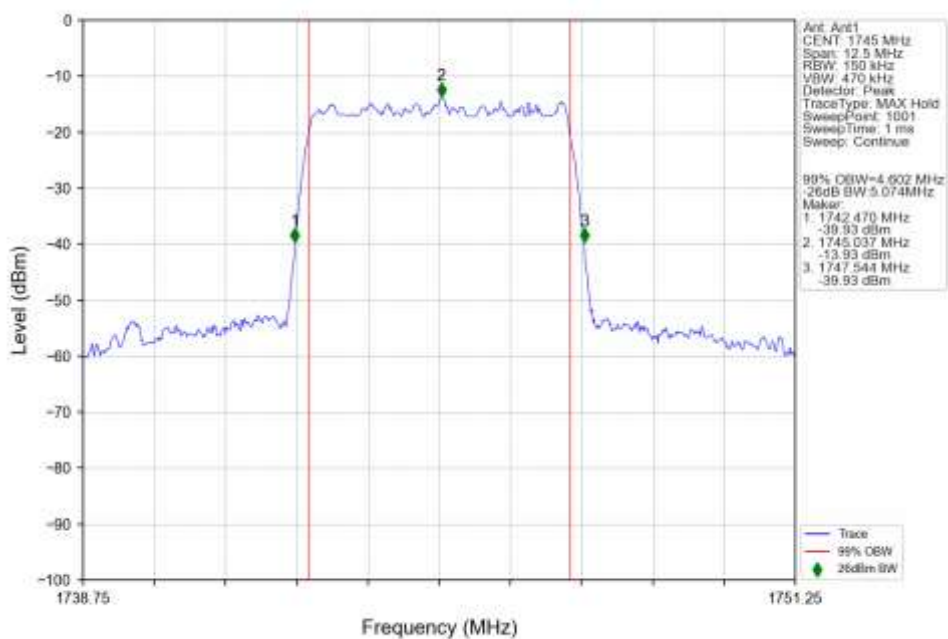
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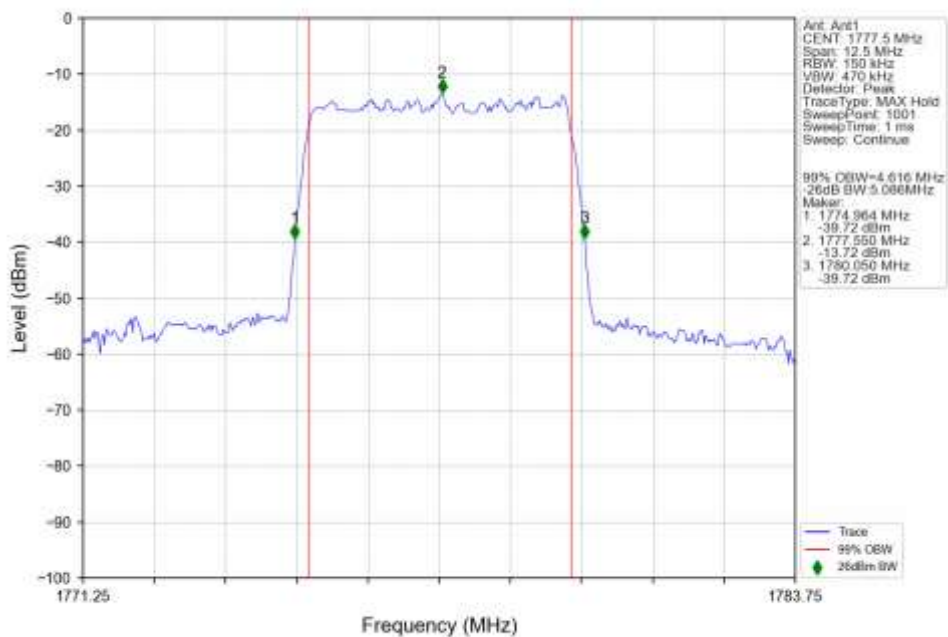
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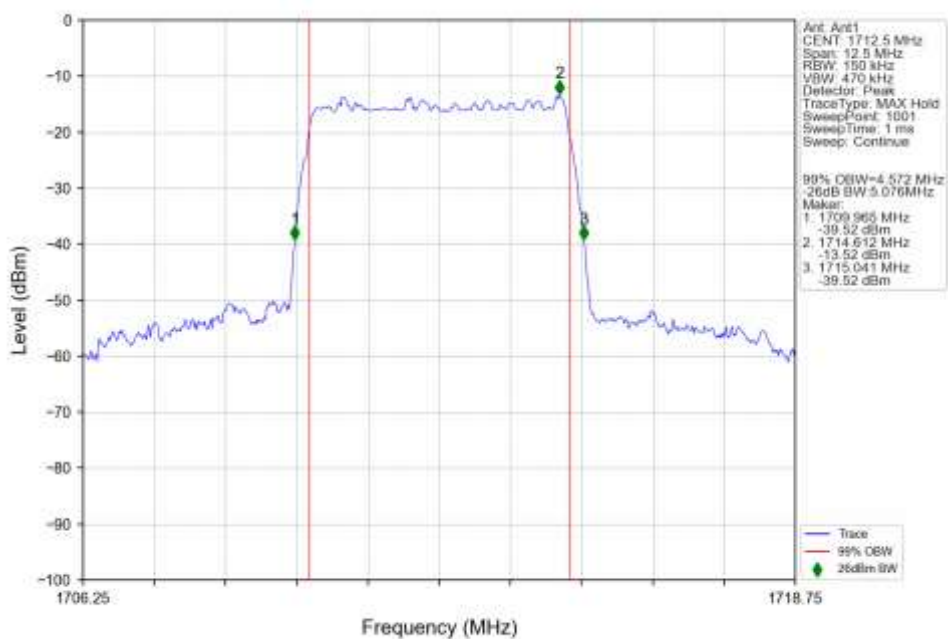
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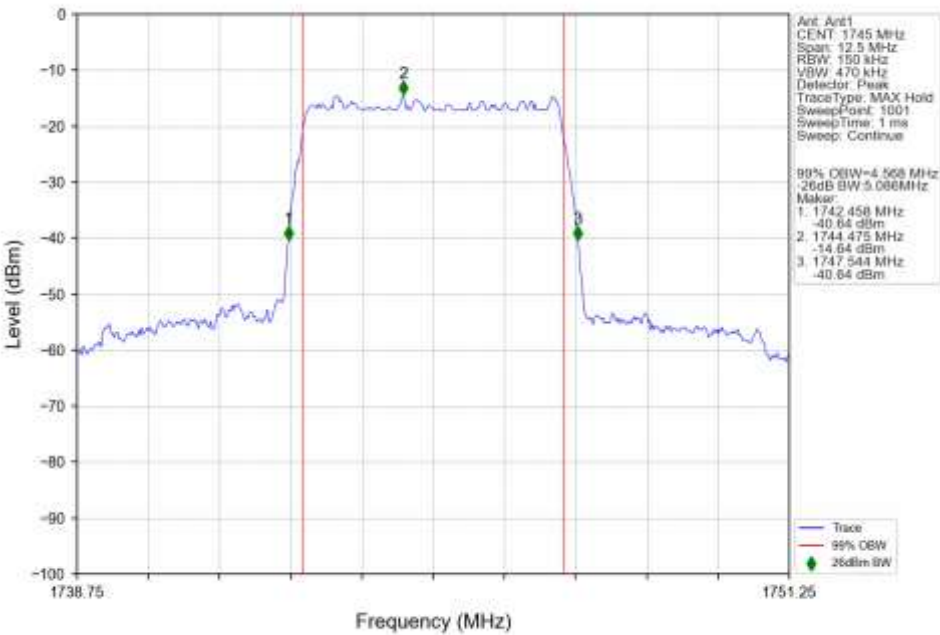
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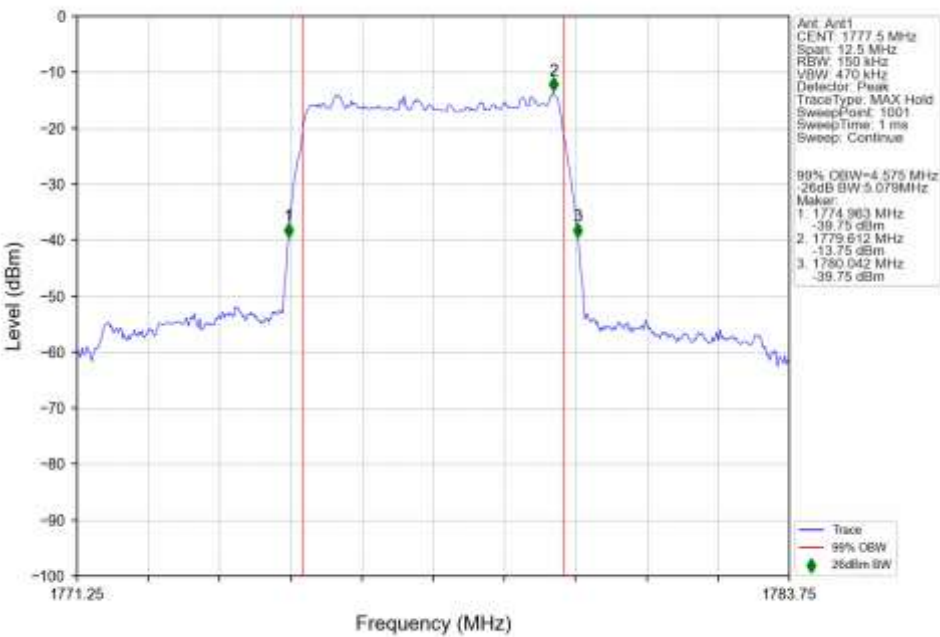
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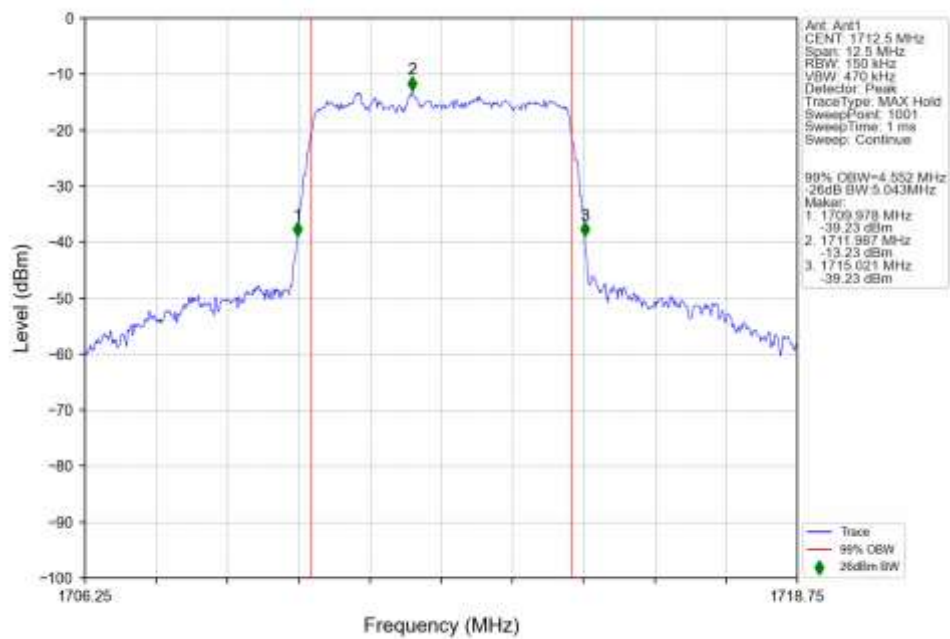
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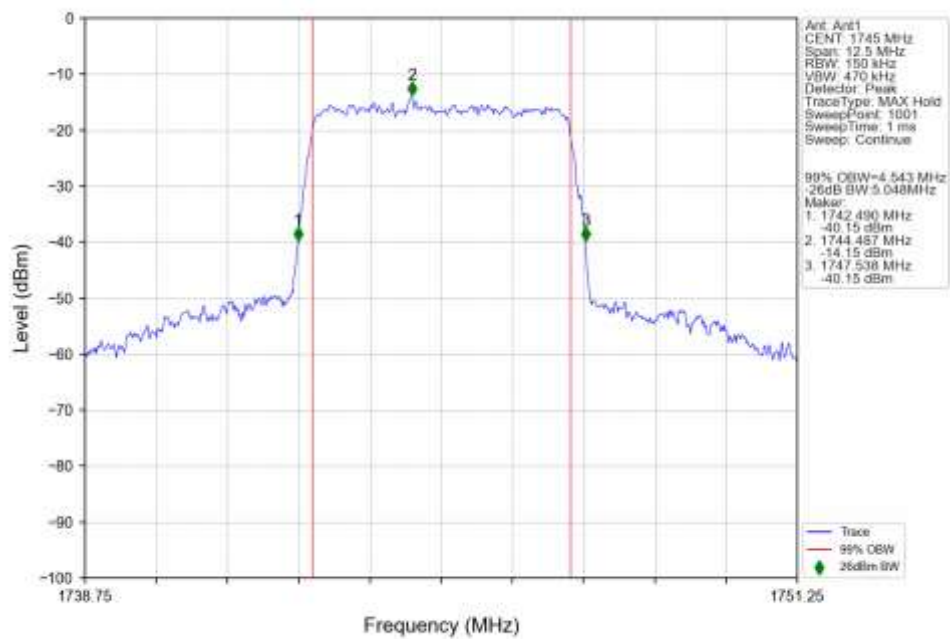
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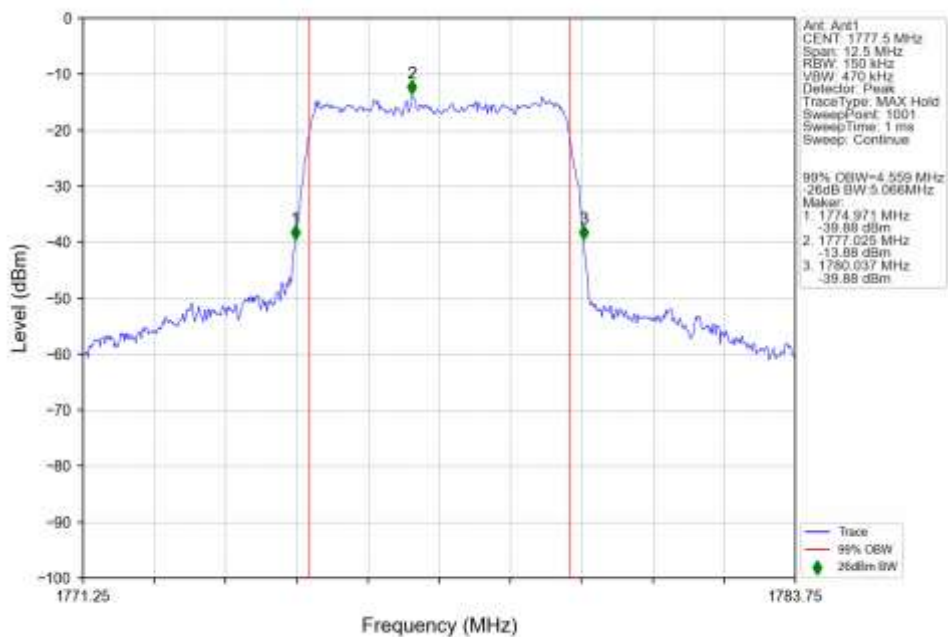
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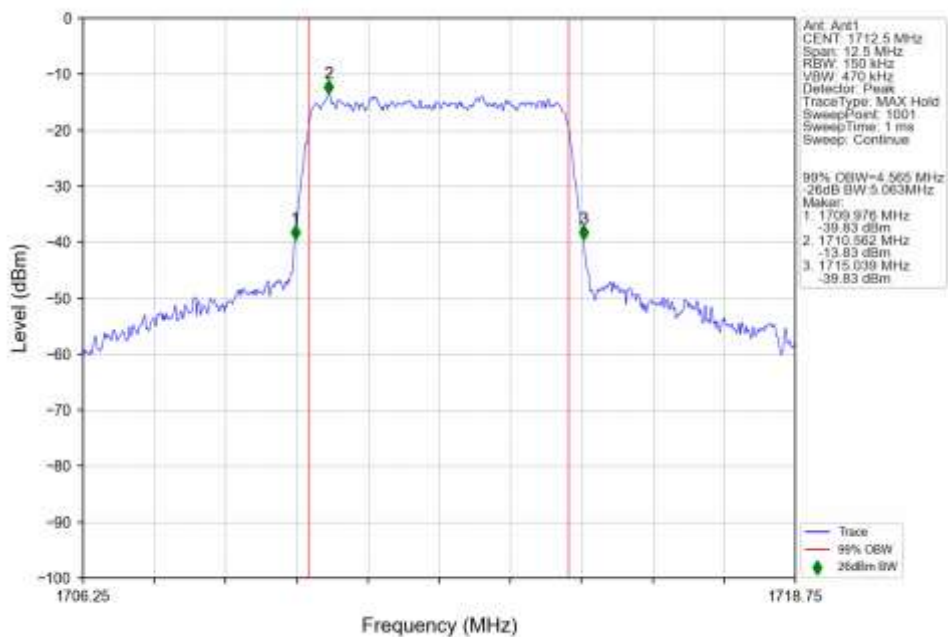
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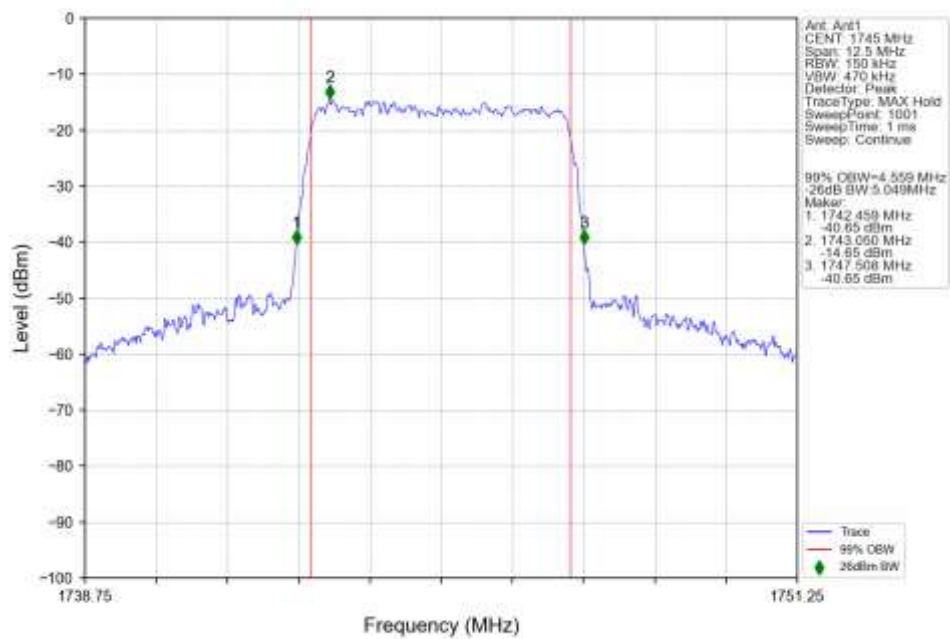
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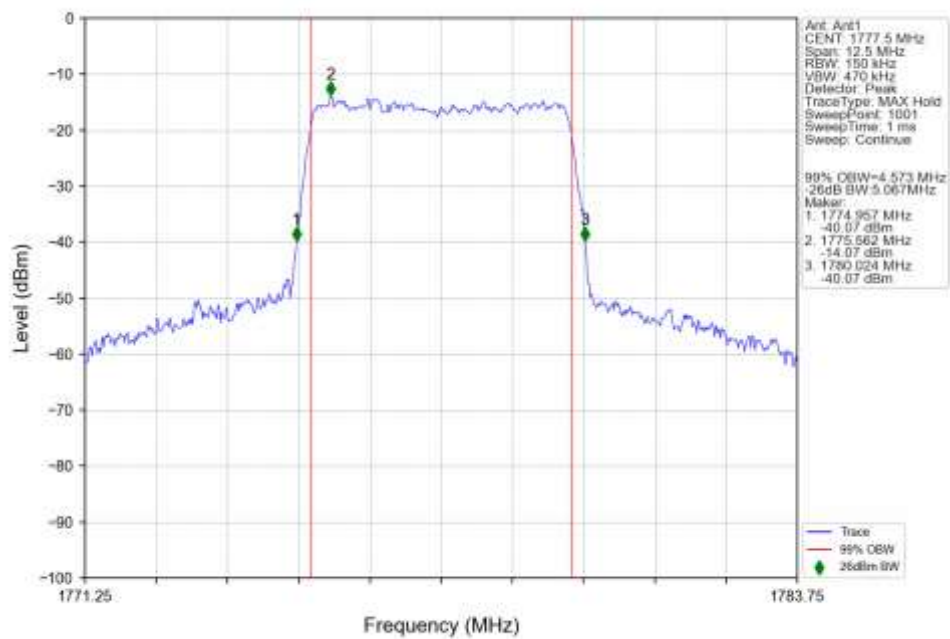
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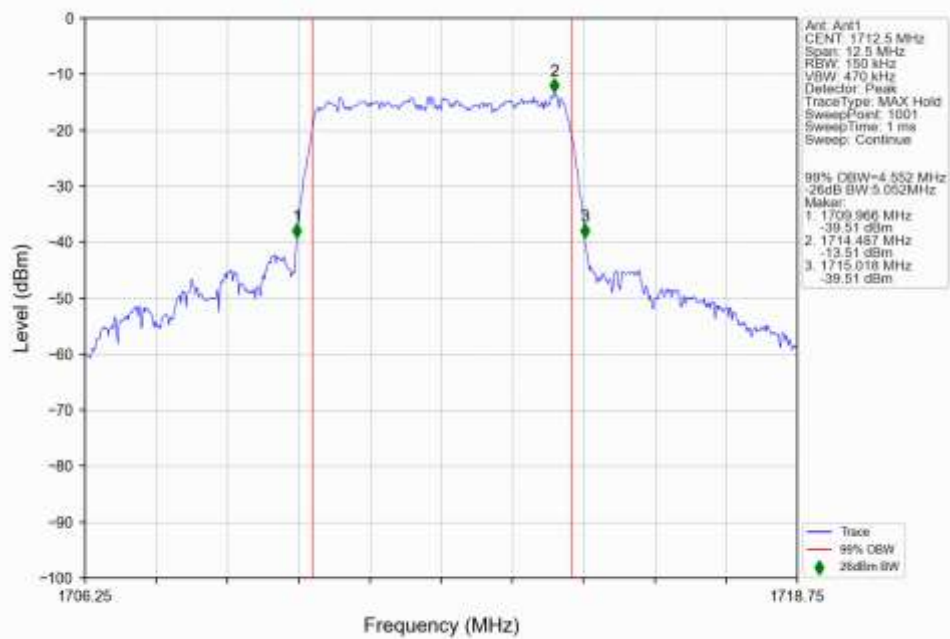
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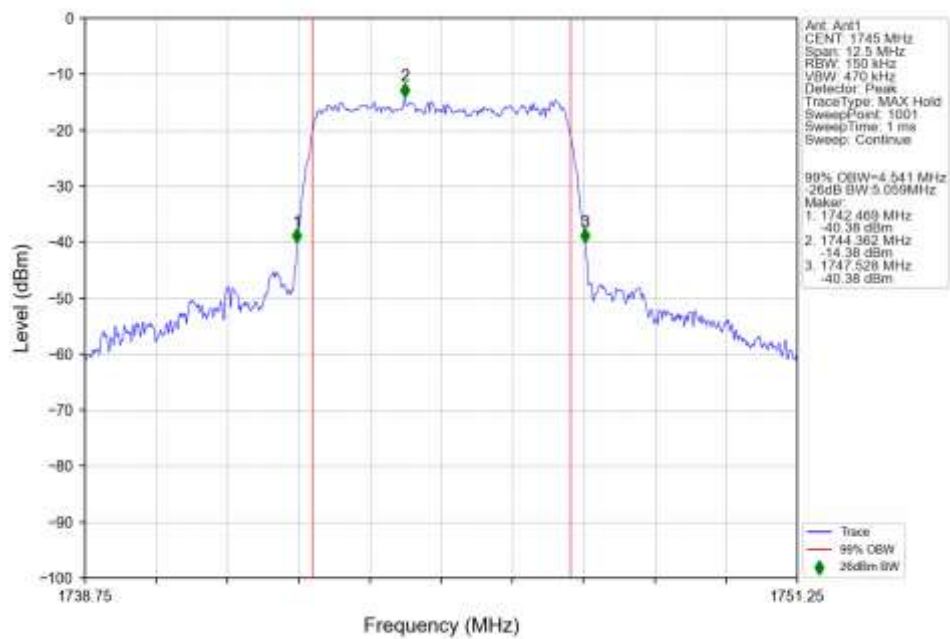
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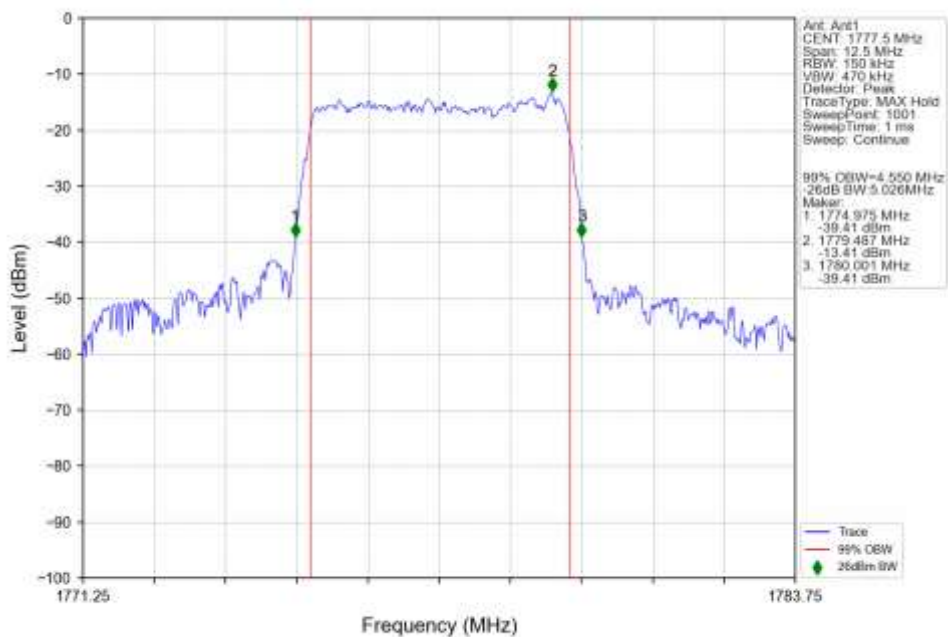
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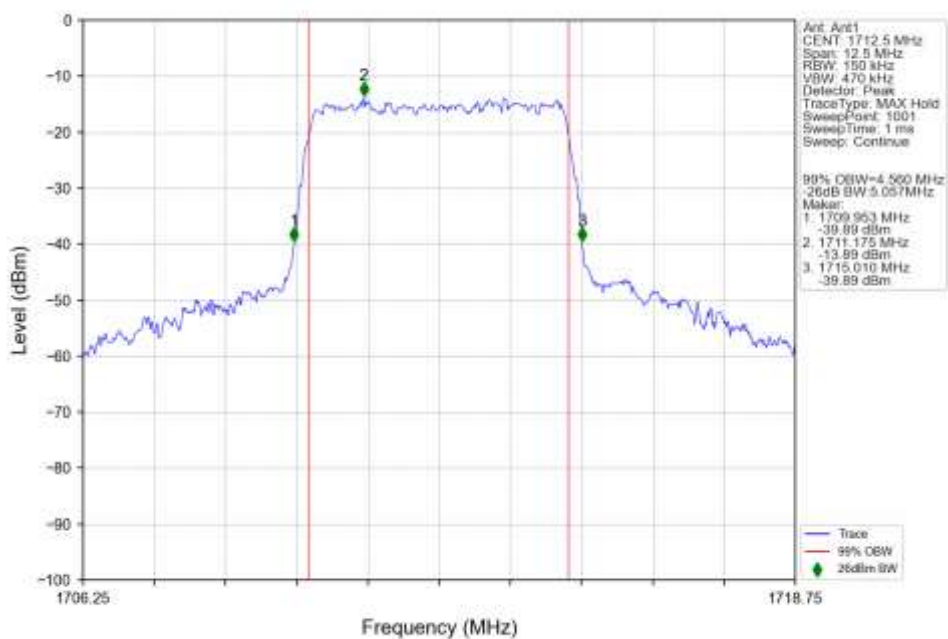
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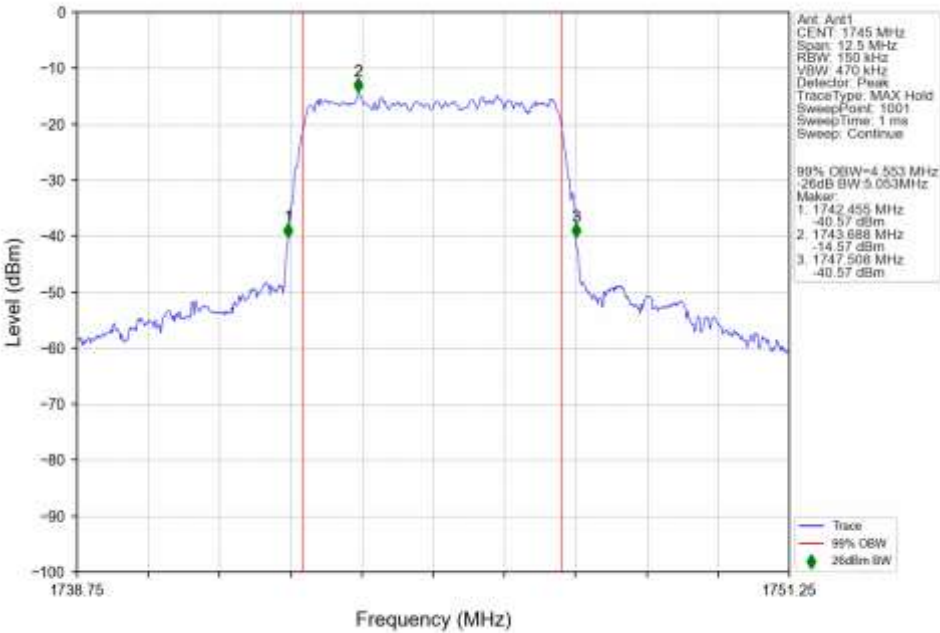
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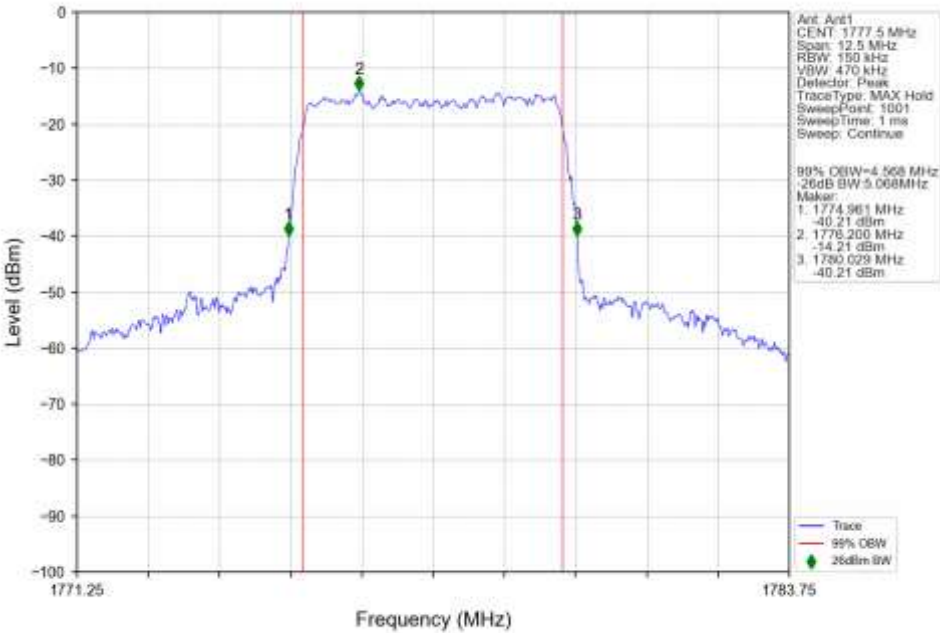
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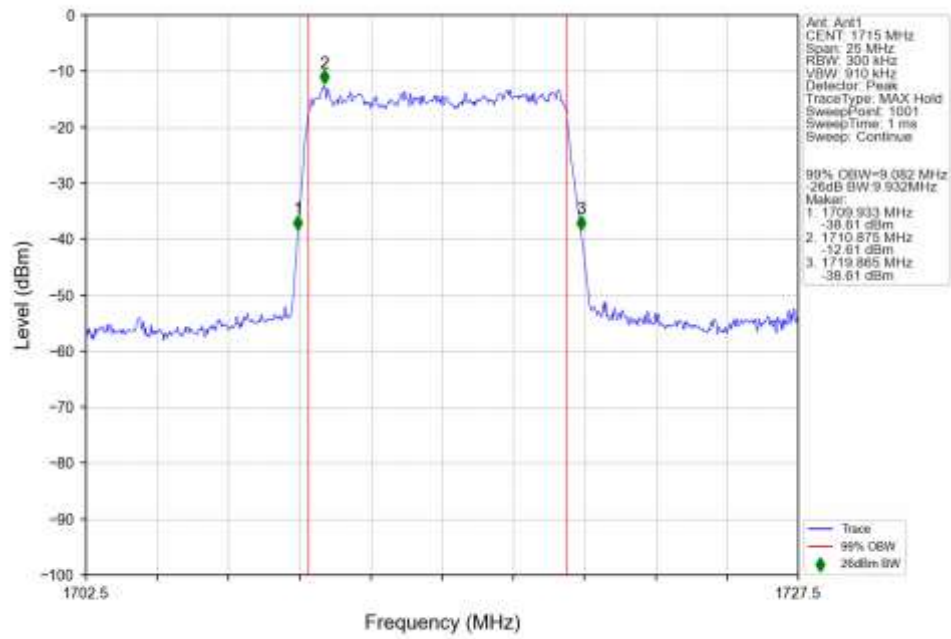


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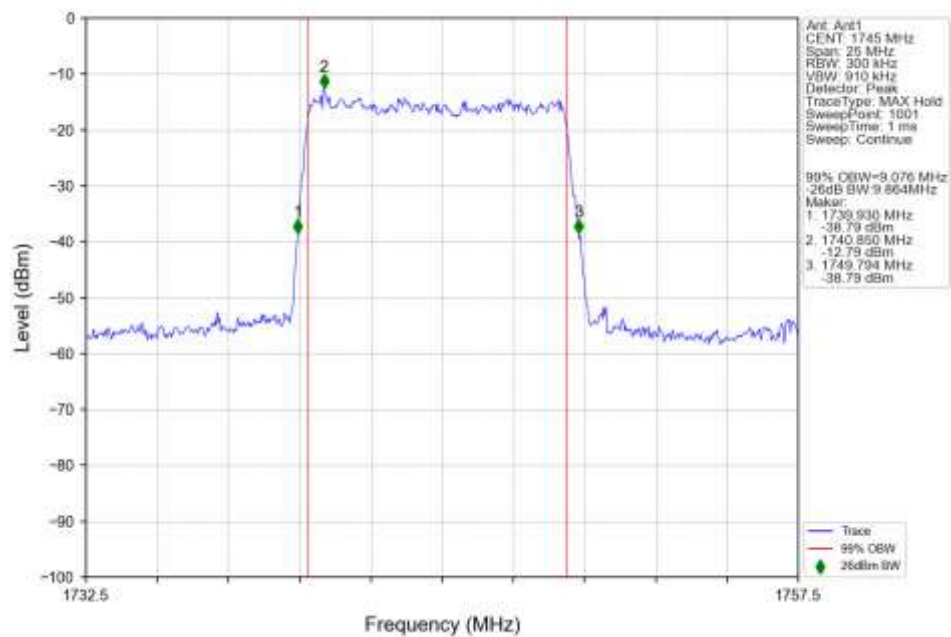


4.2.2 15k_SISO_10MHz_NTNV

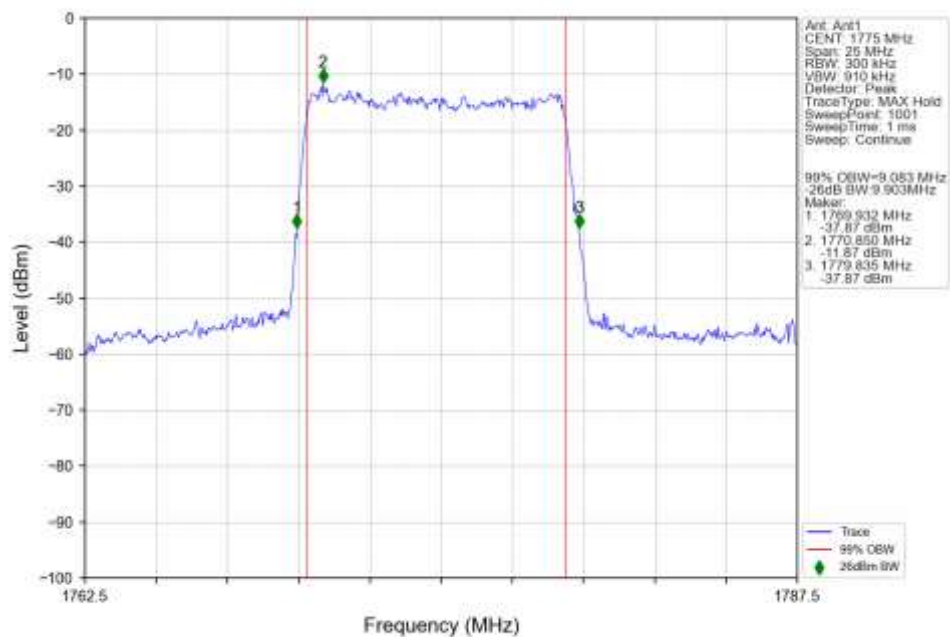
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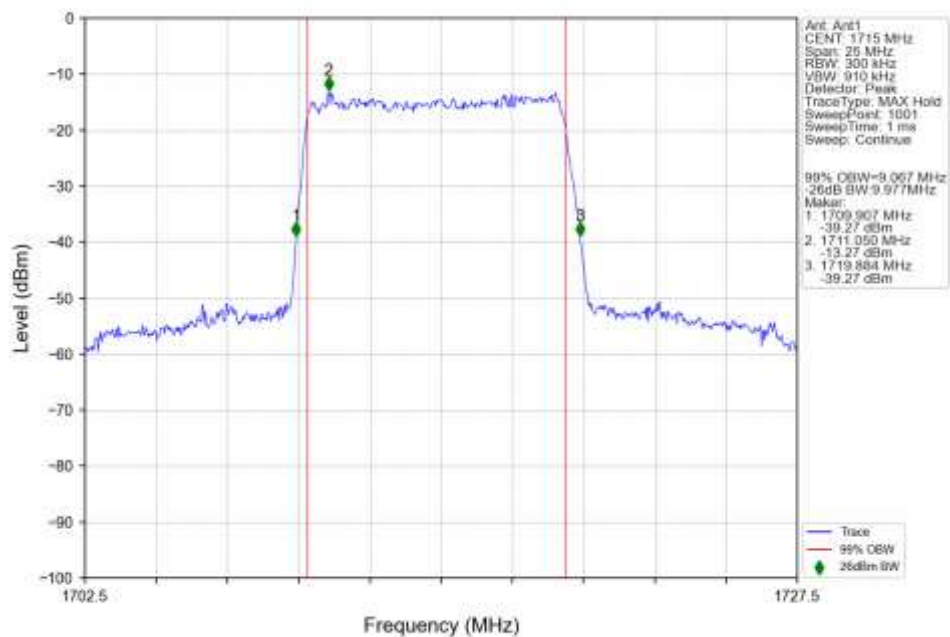
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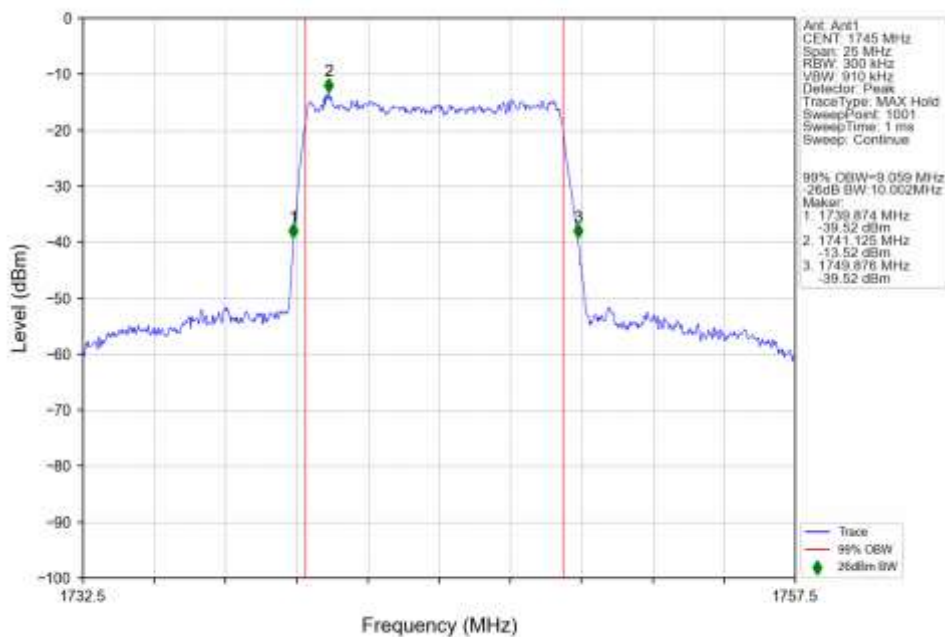
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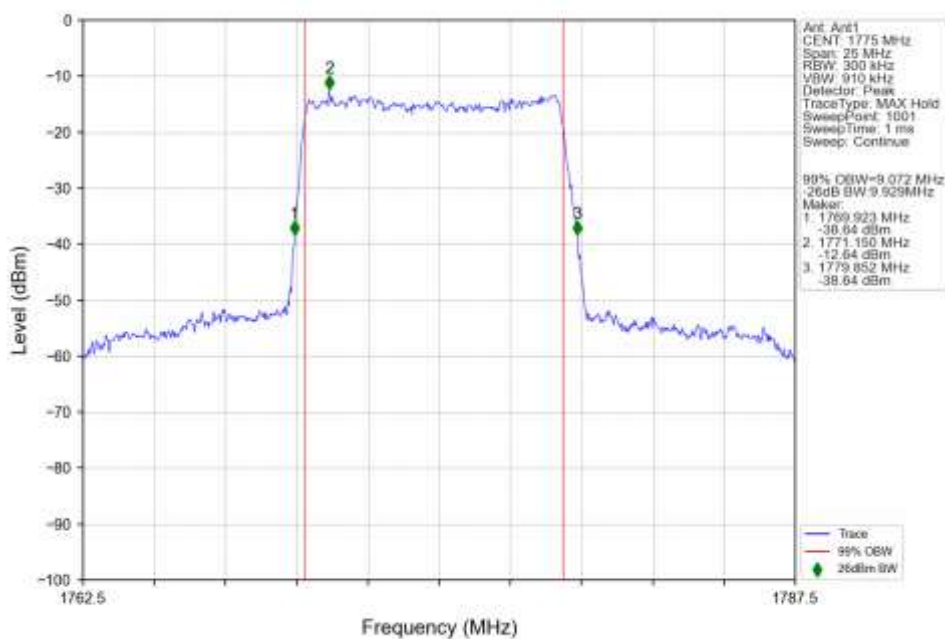
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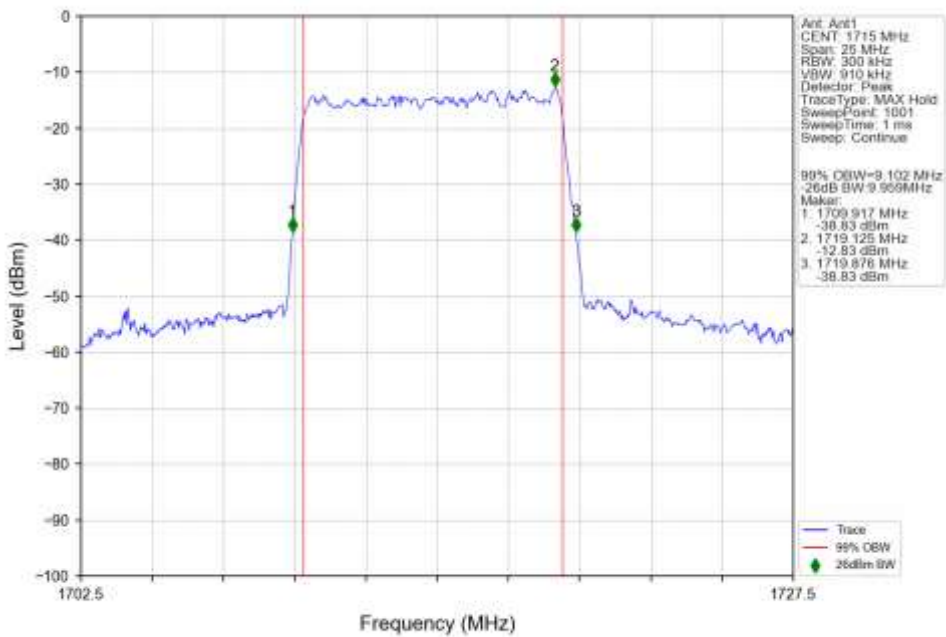
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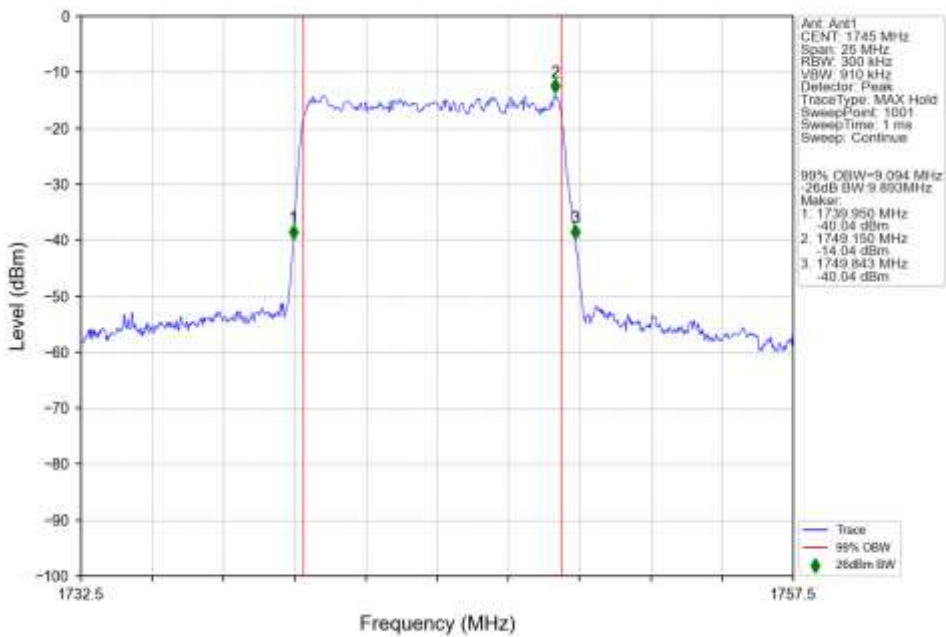
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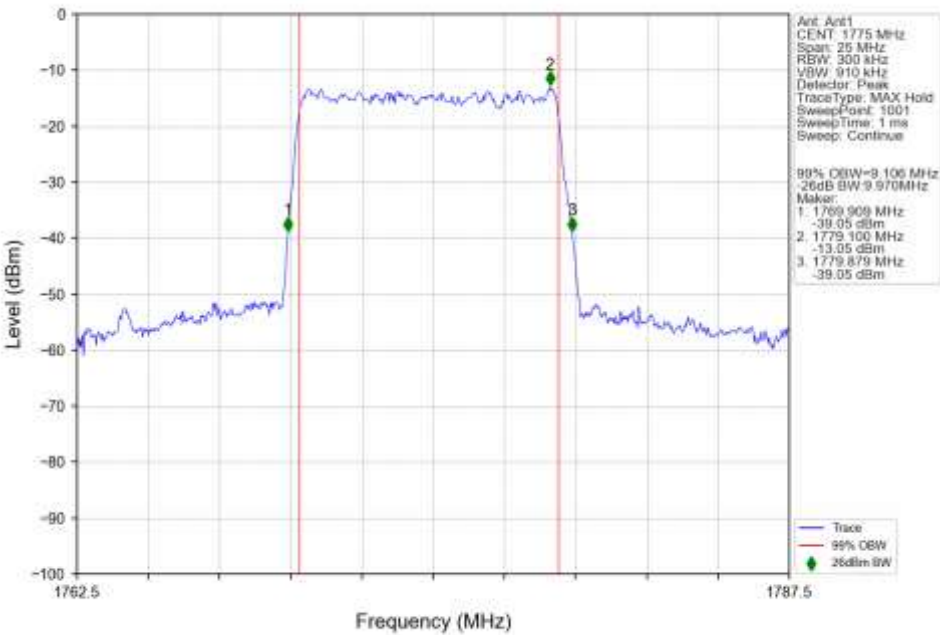
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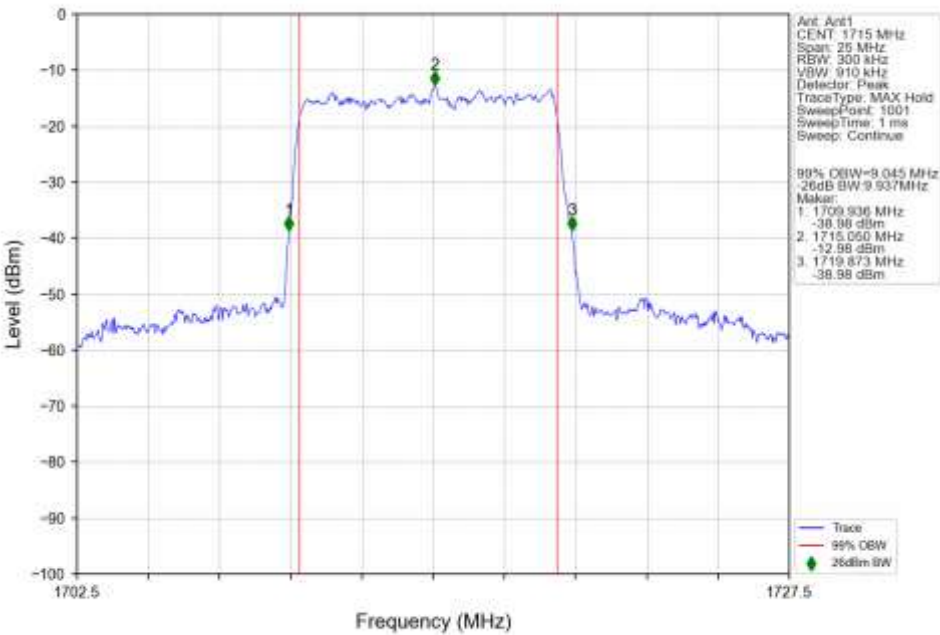
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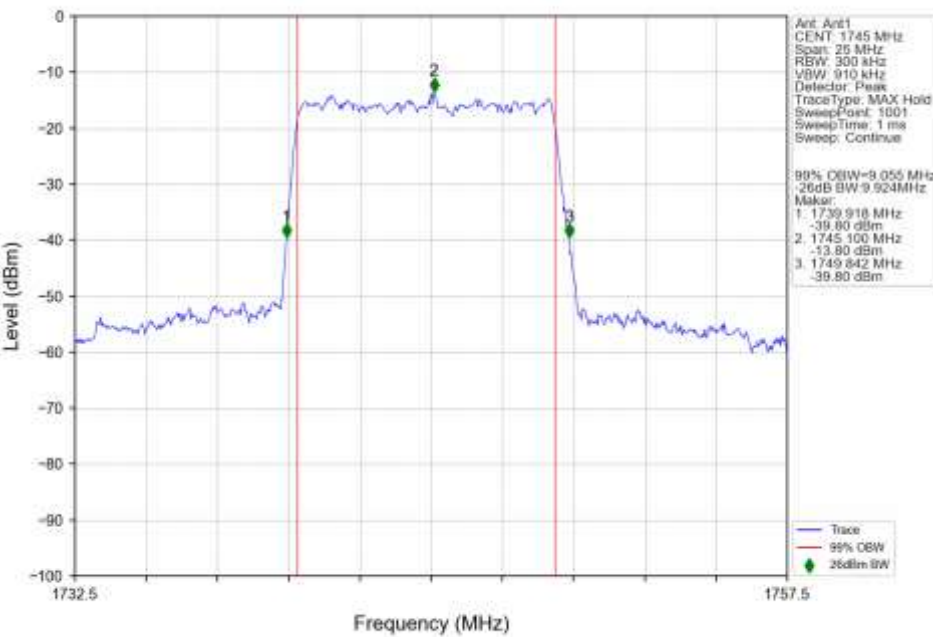
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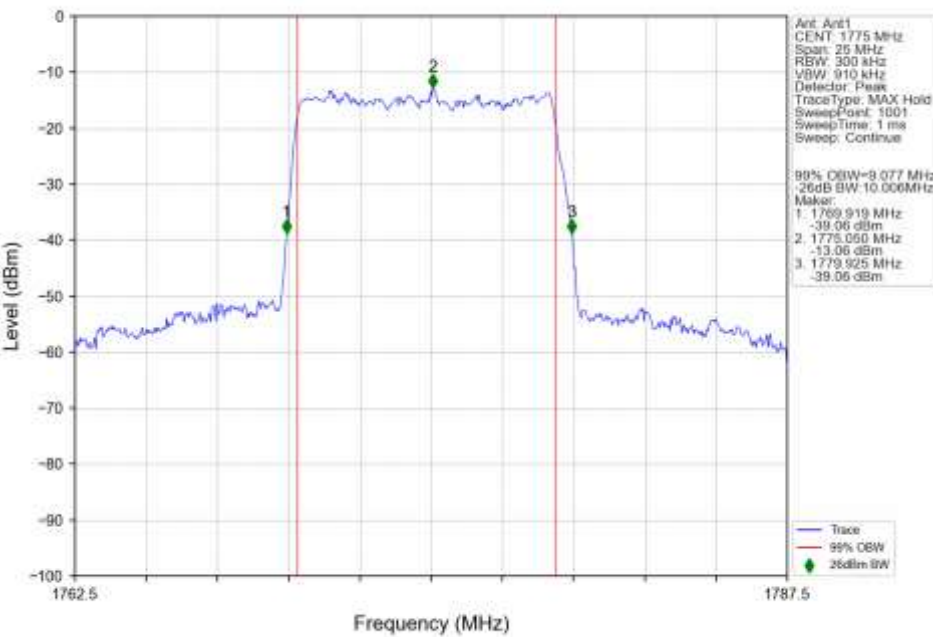
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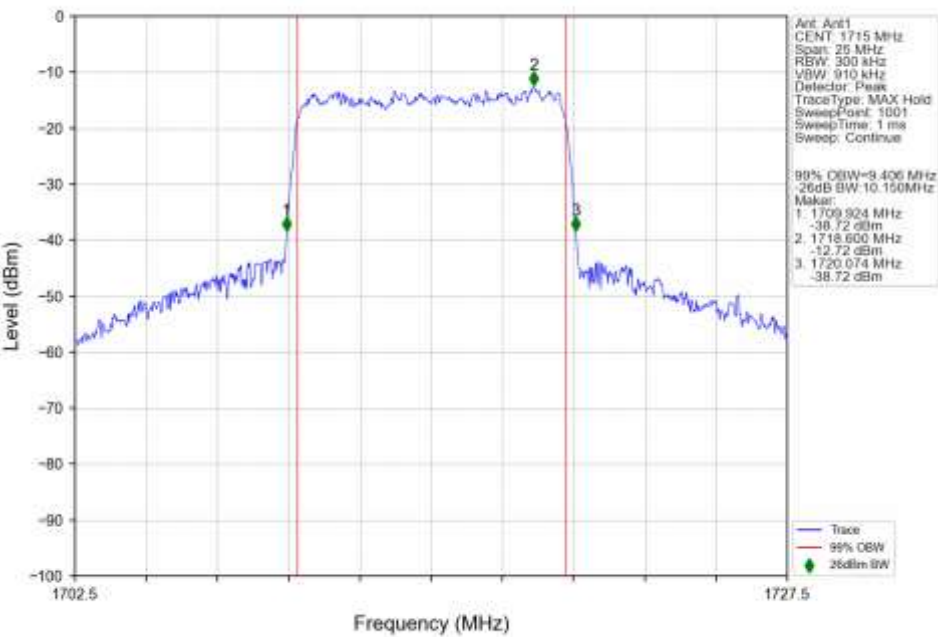
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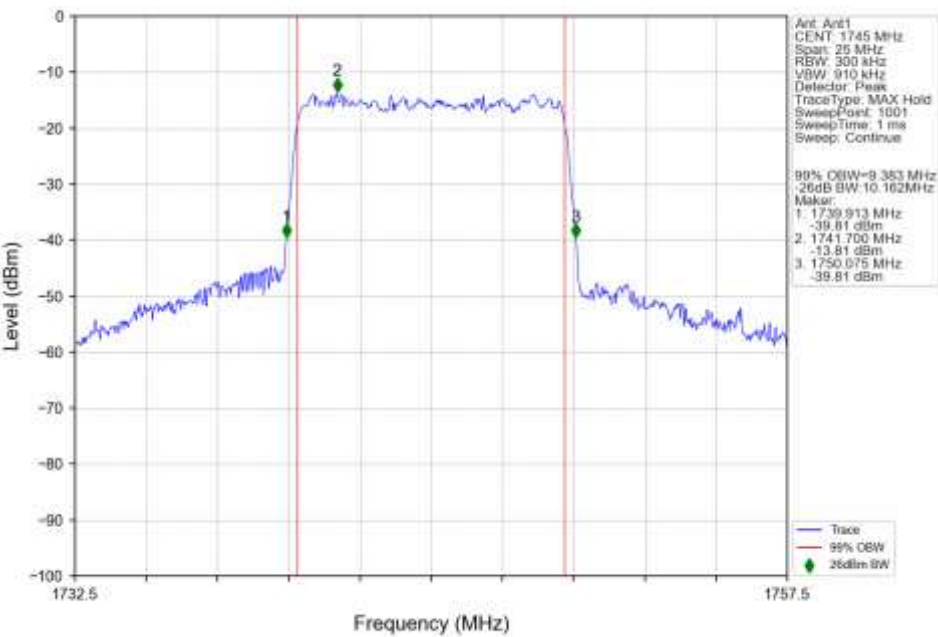
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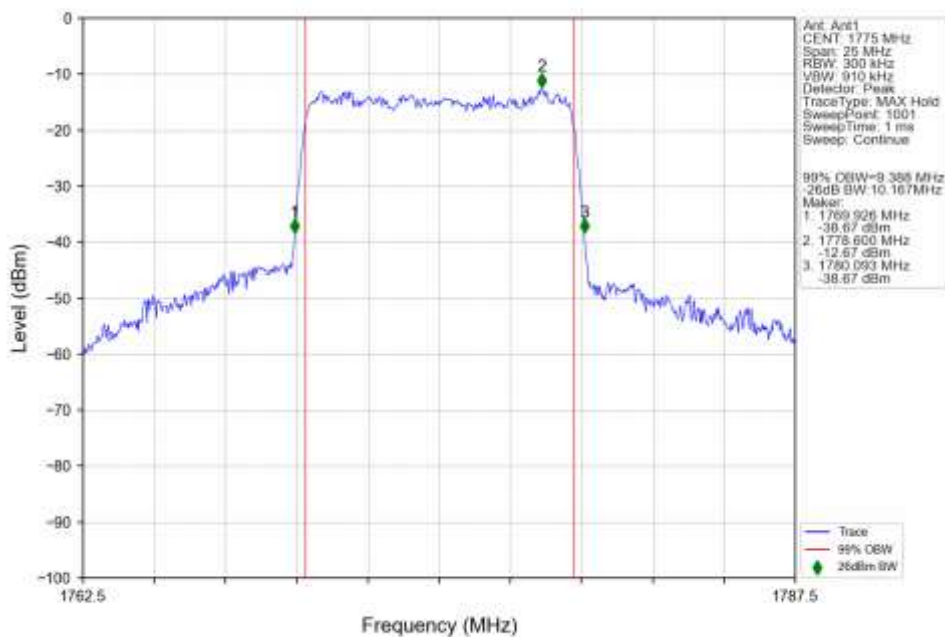
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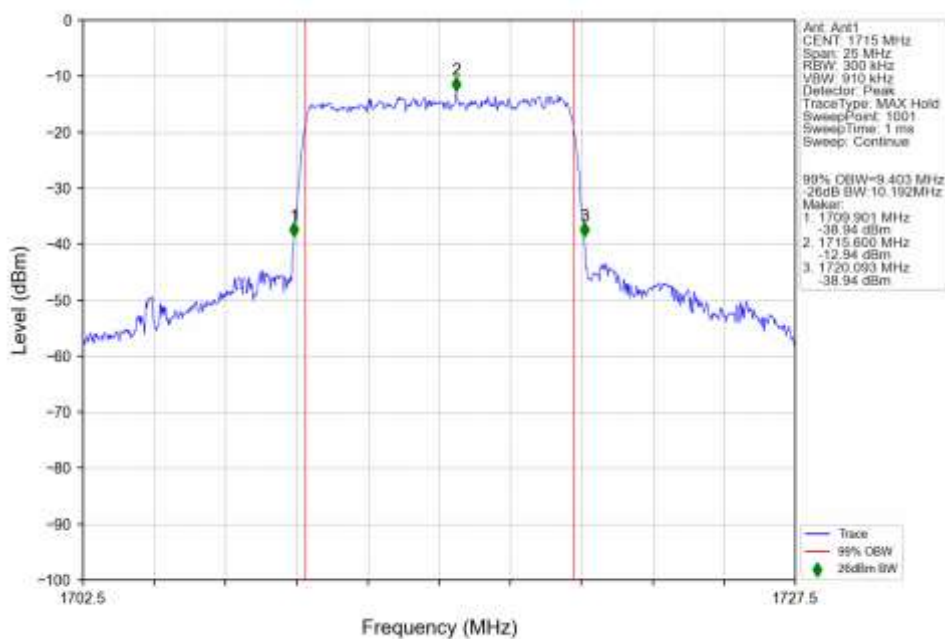
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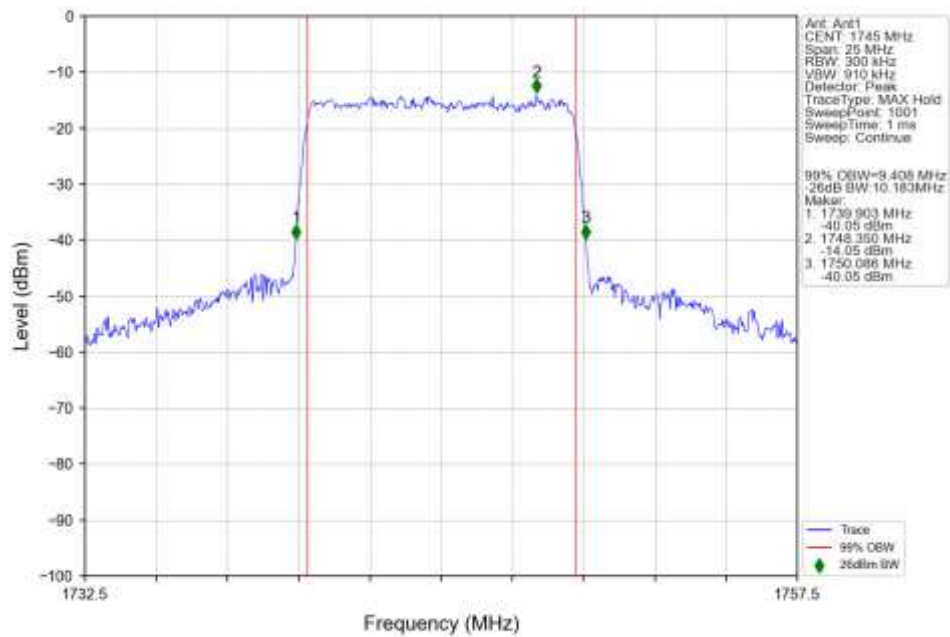
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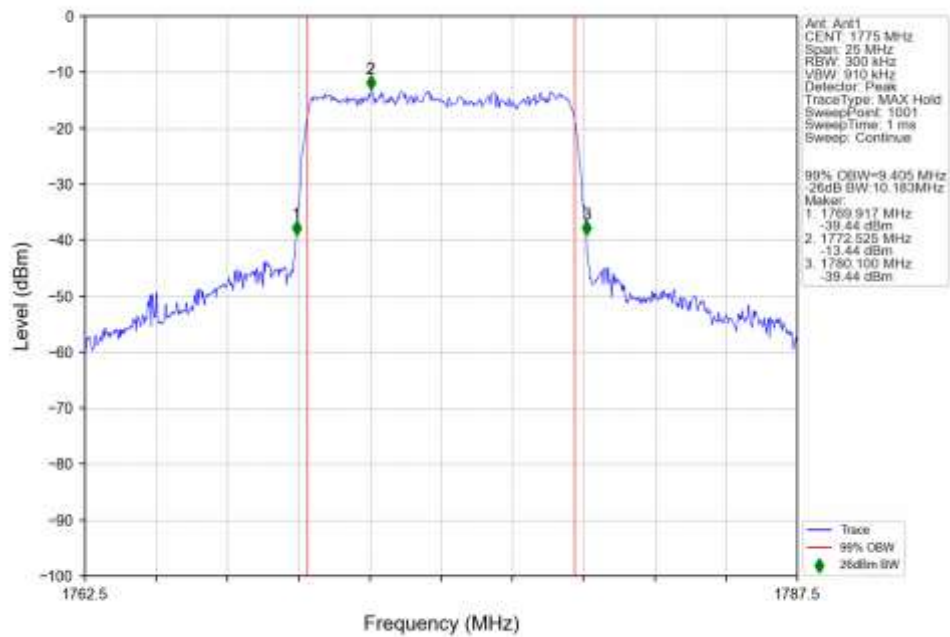
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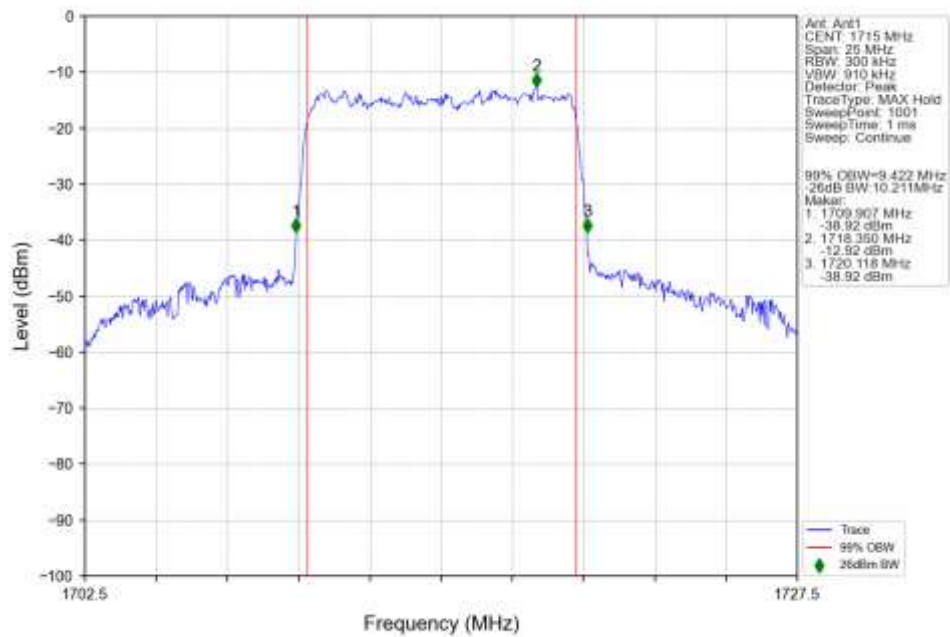
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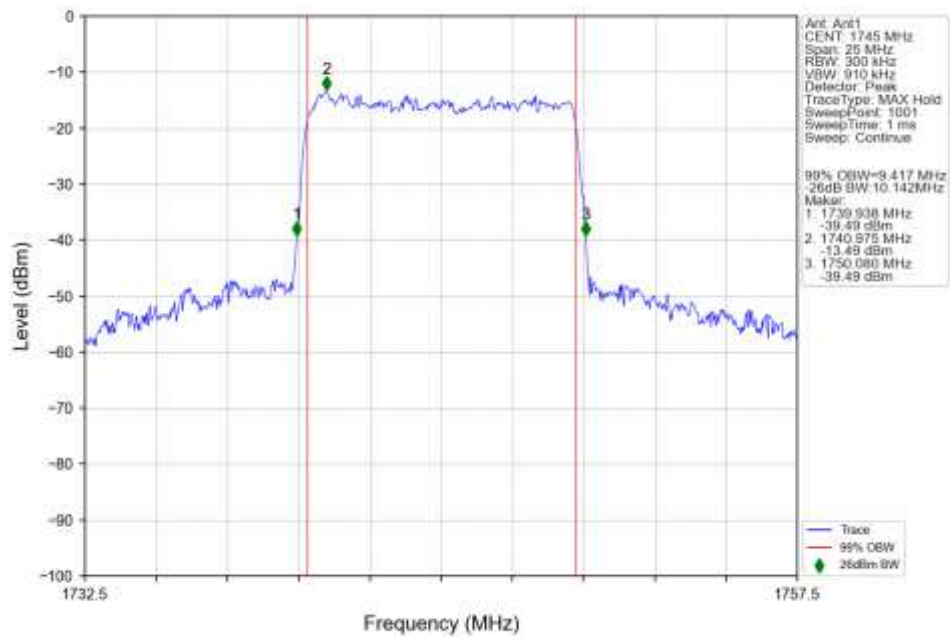
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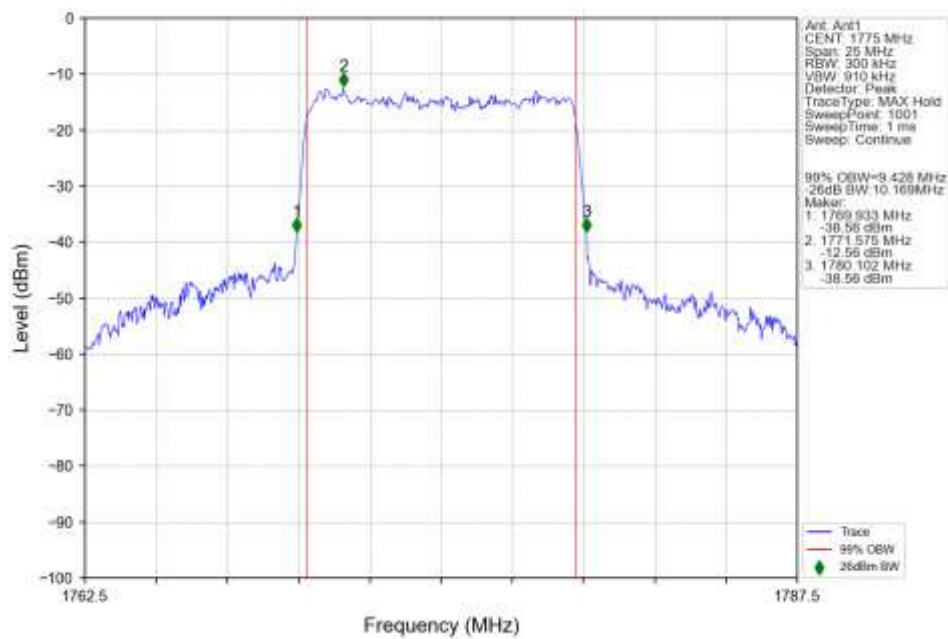
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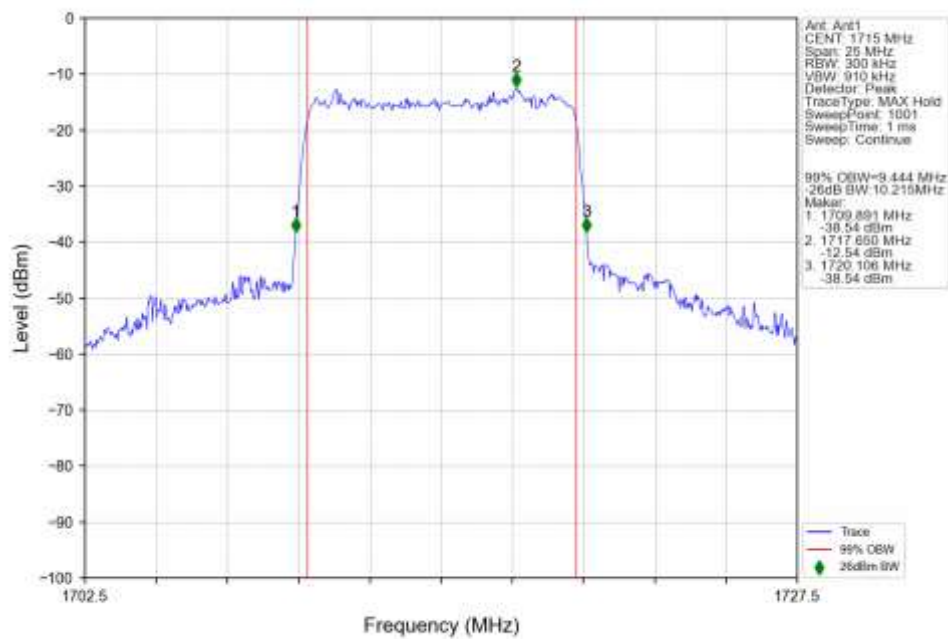
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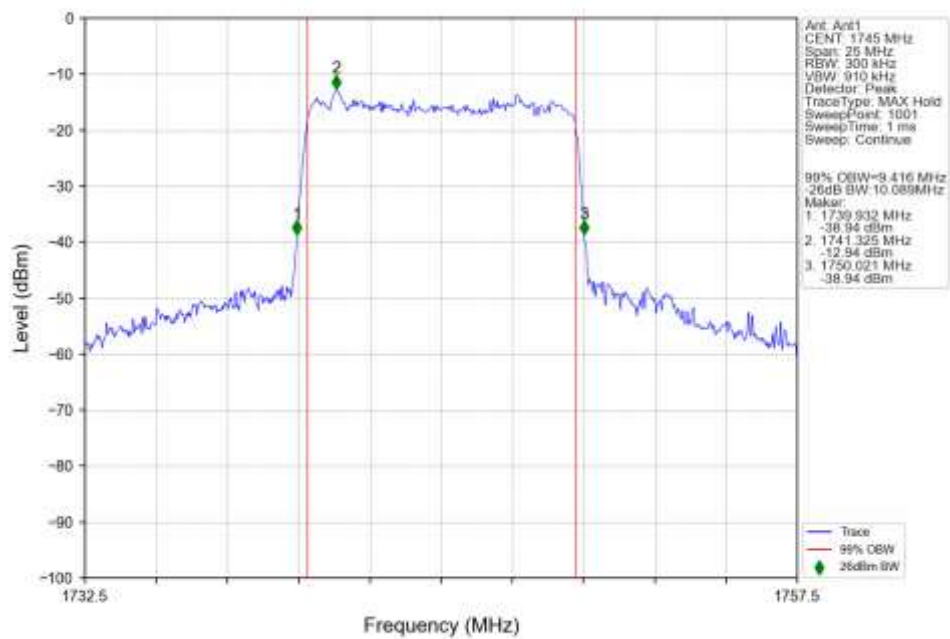
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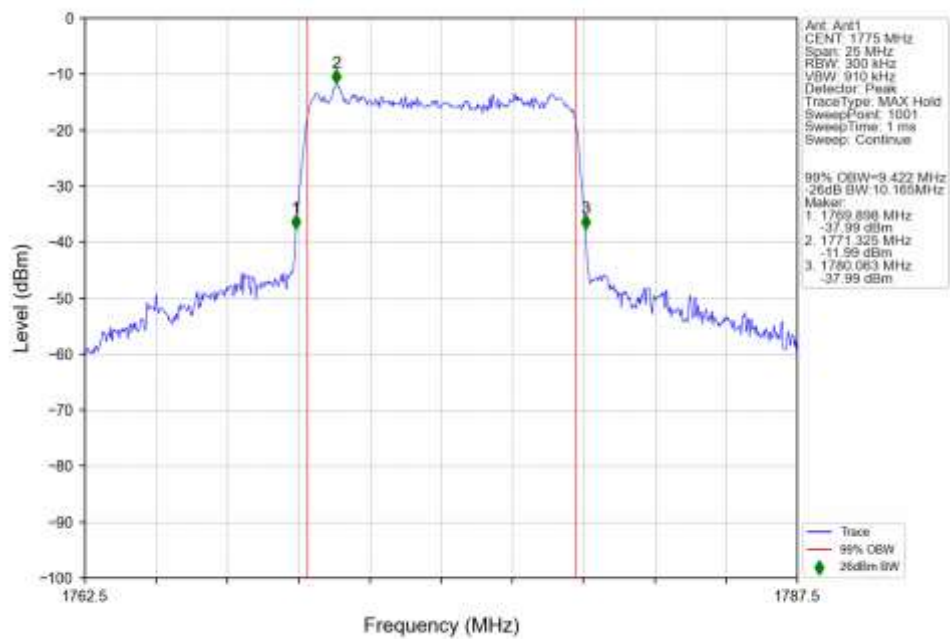
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n66_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_1745MHz_Outer_Full_Ant1

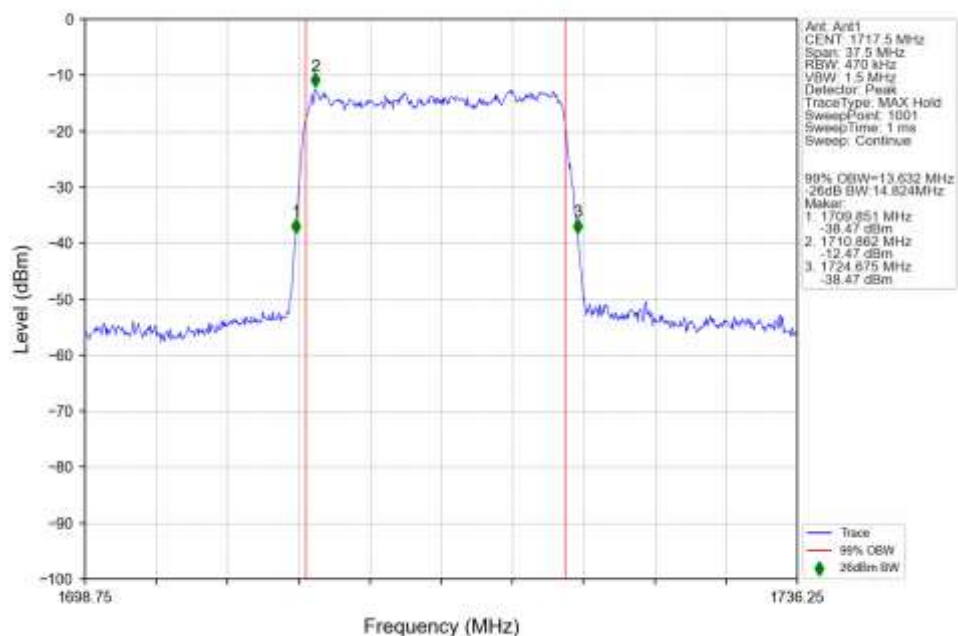


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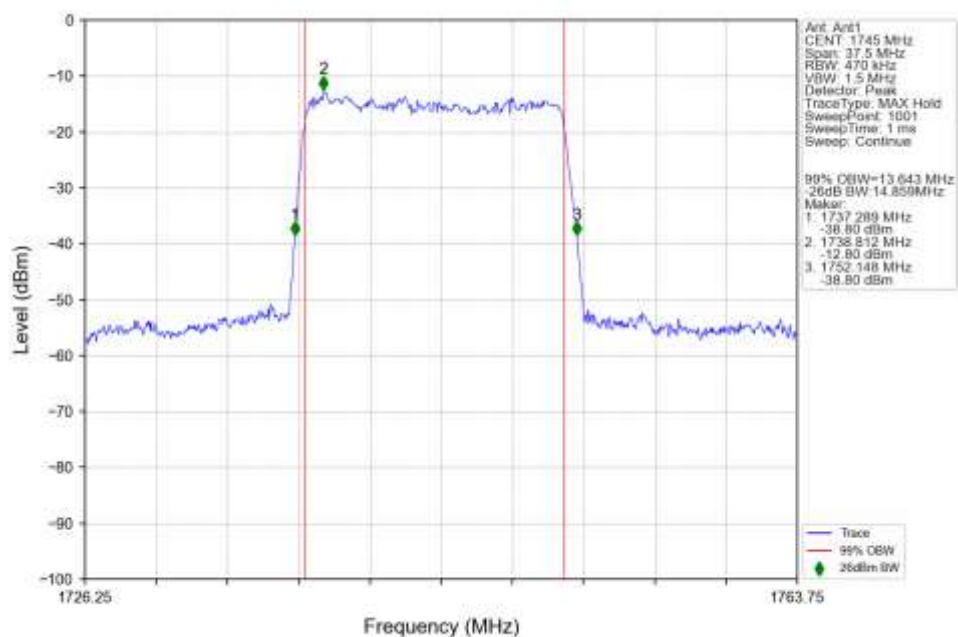


4.2.3 15k_SISO_15MHz_NTNV

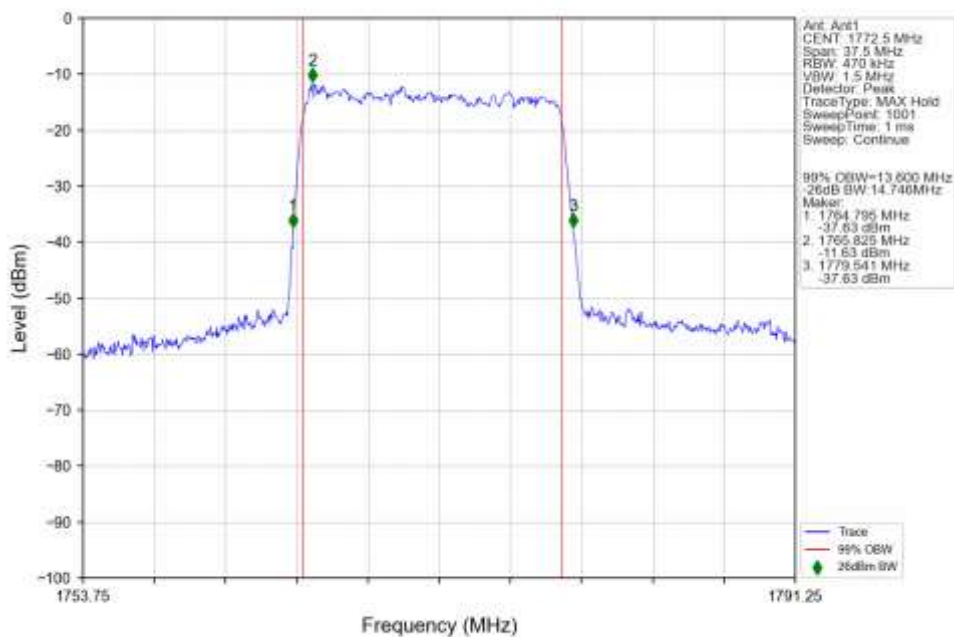
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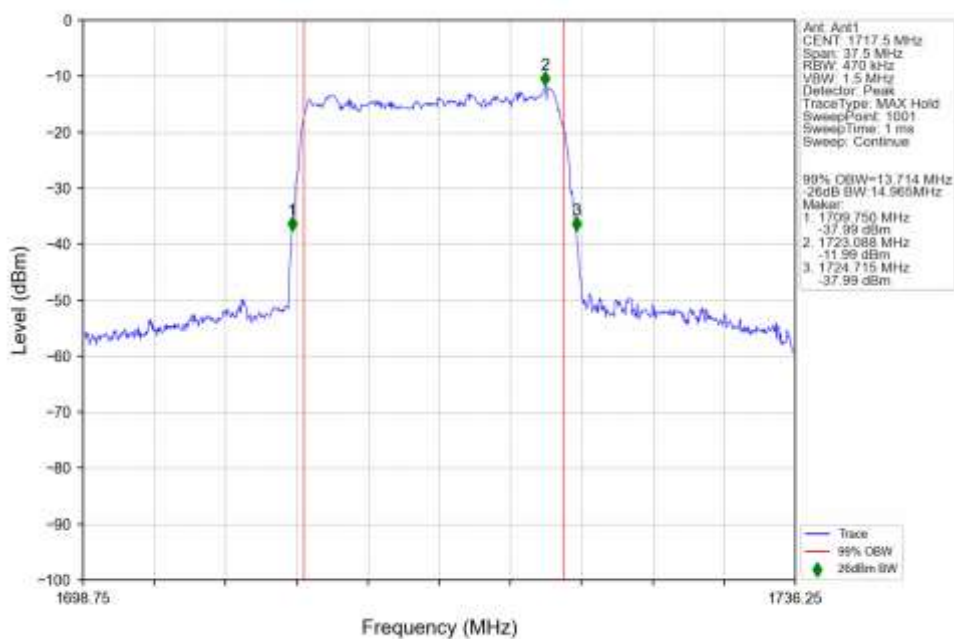
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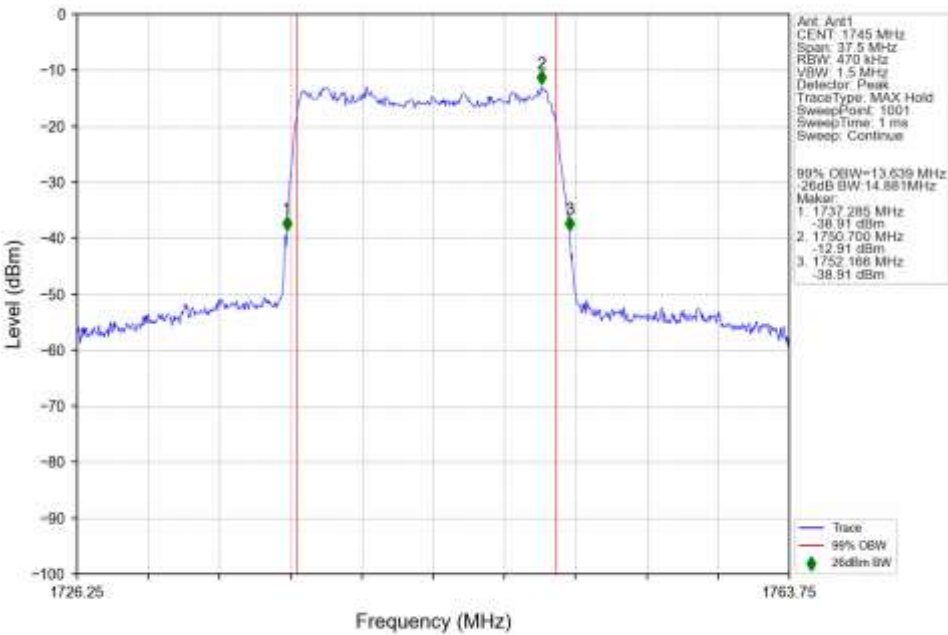
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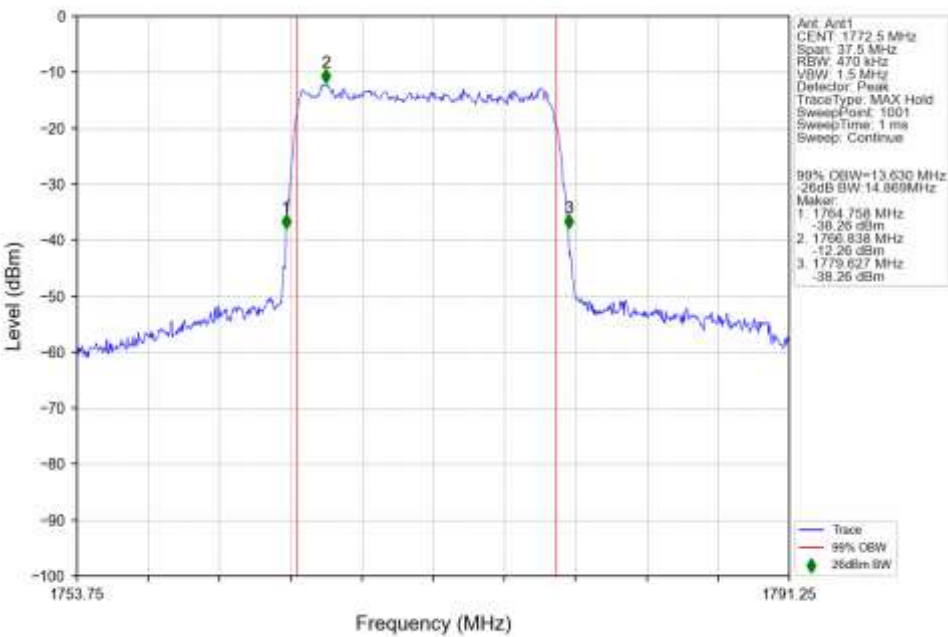
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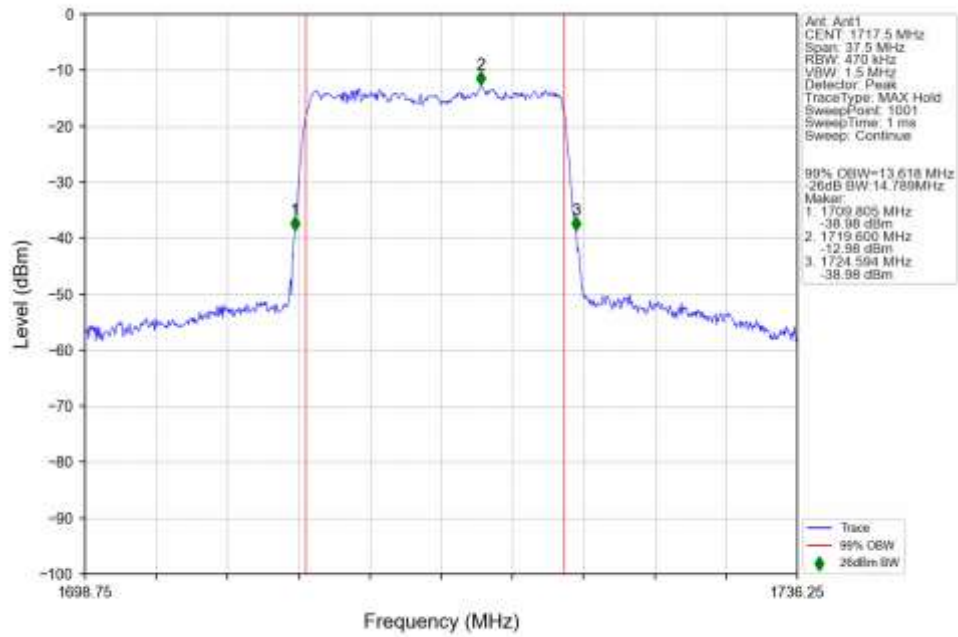
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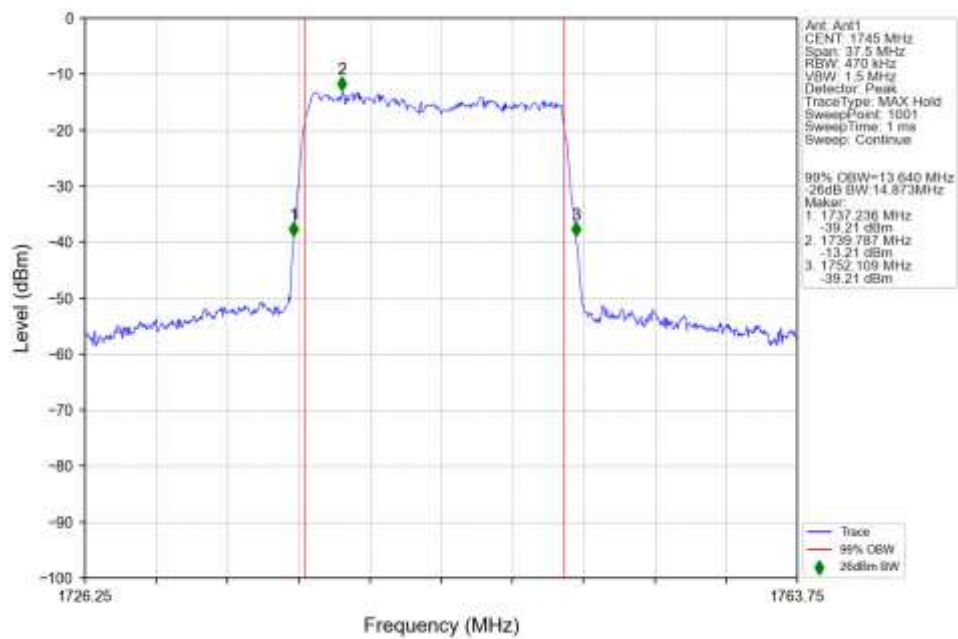
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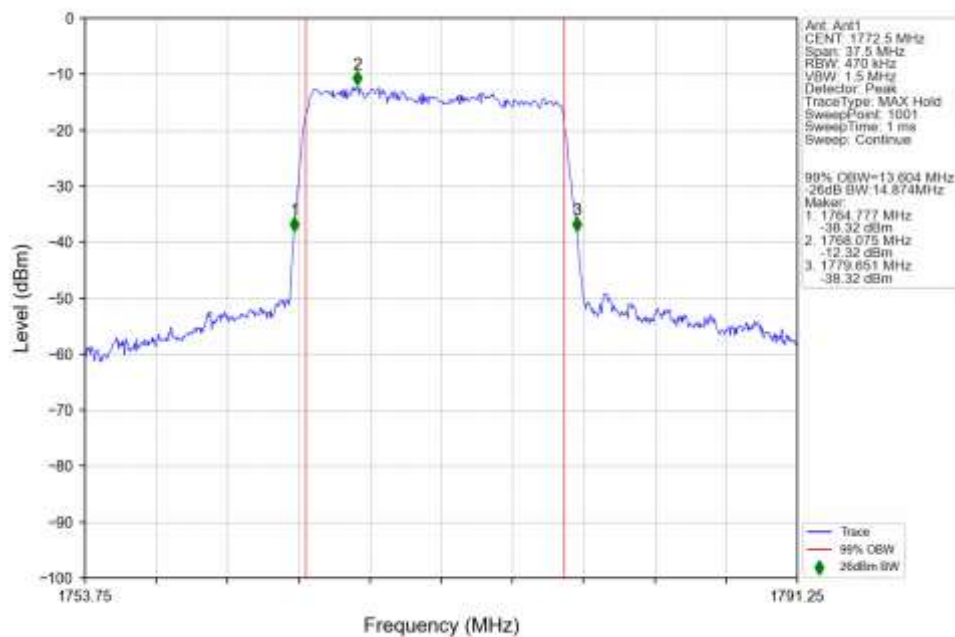
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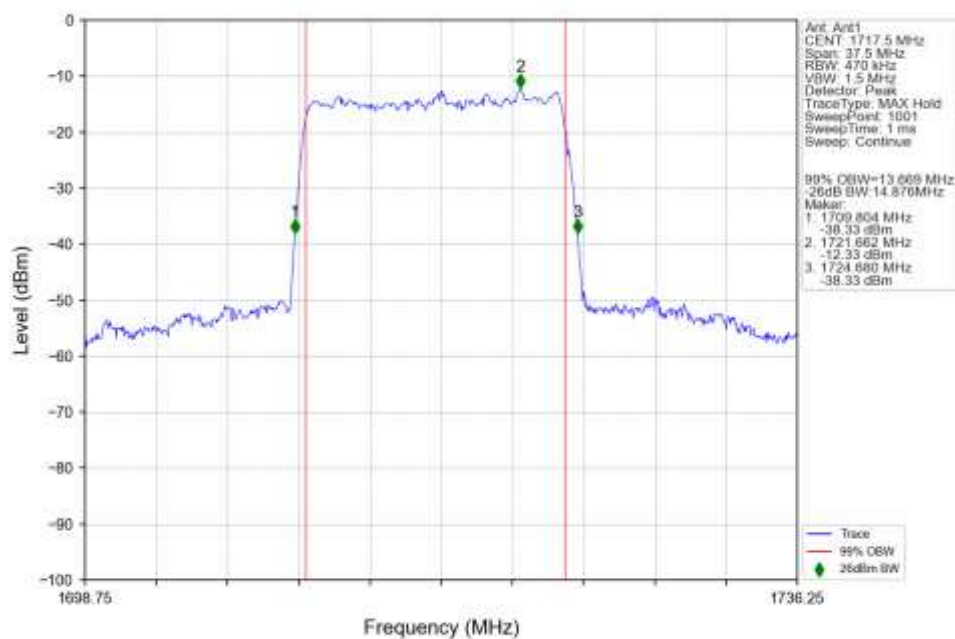
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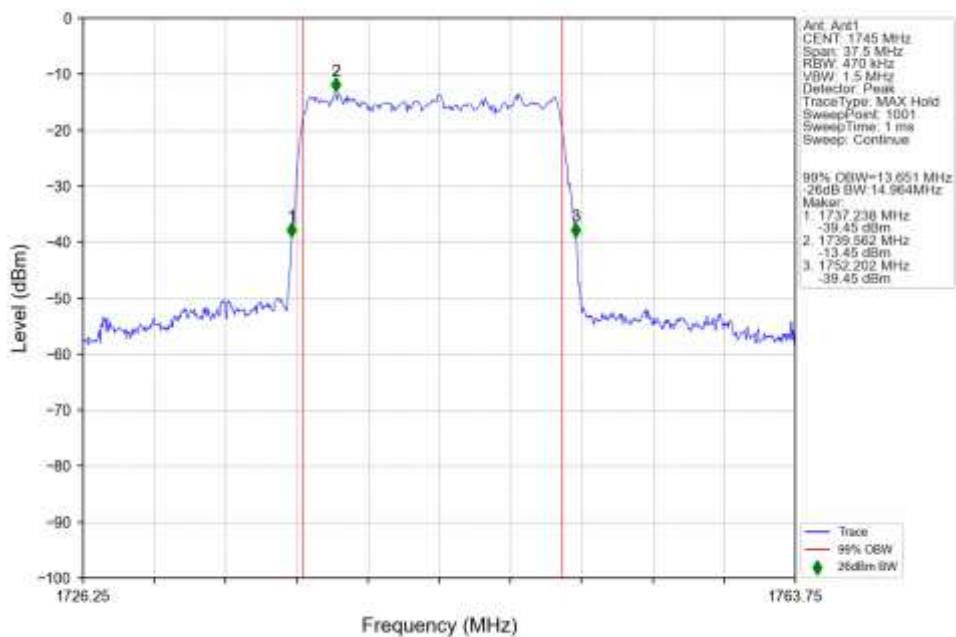
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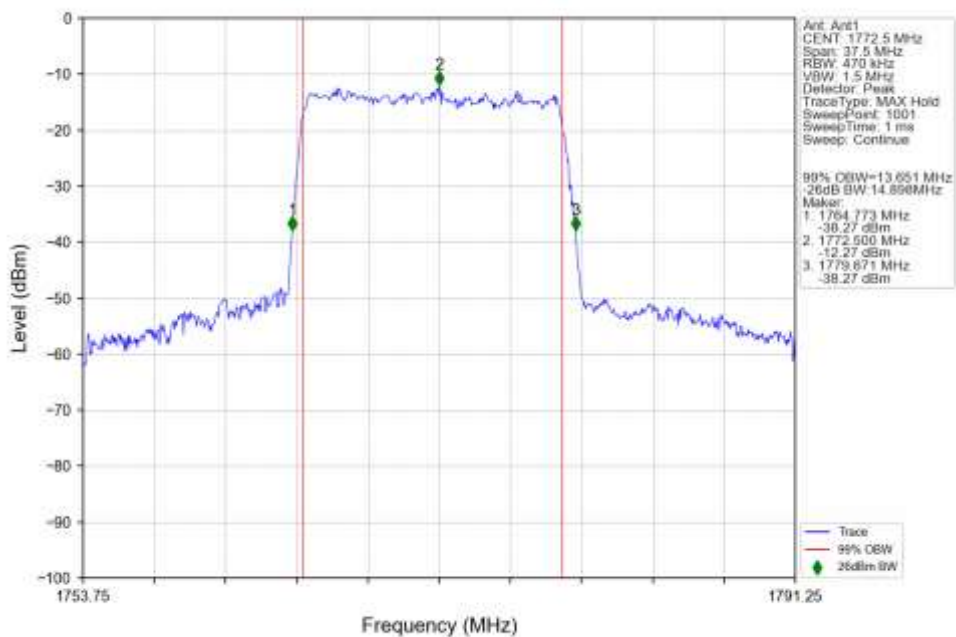
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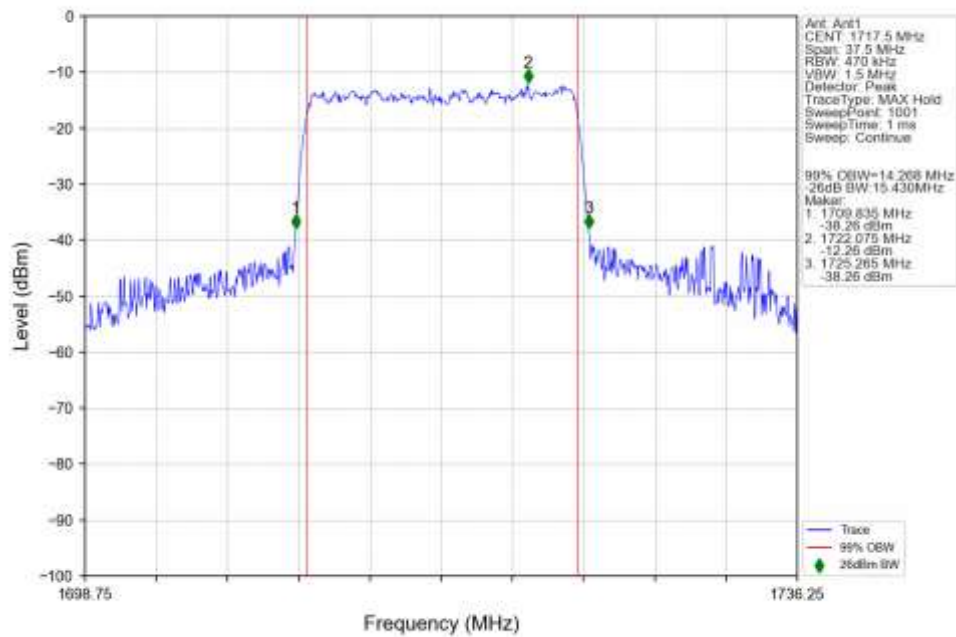
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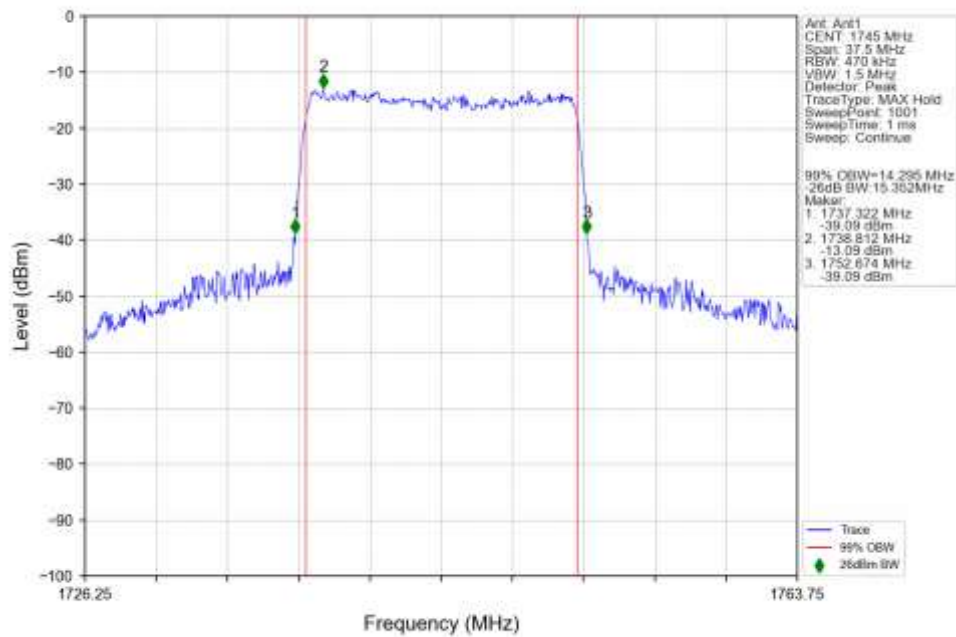
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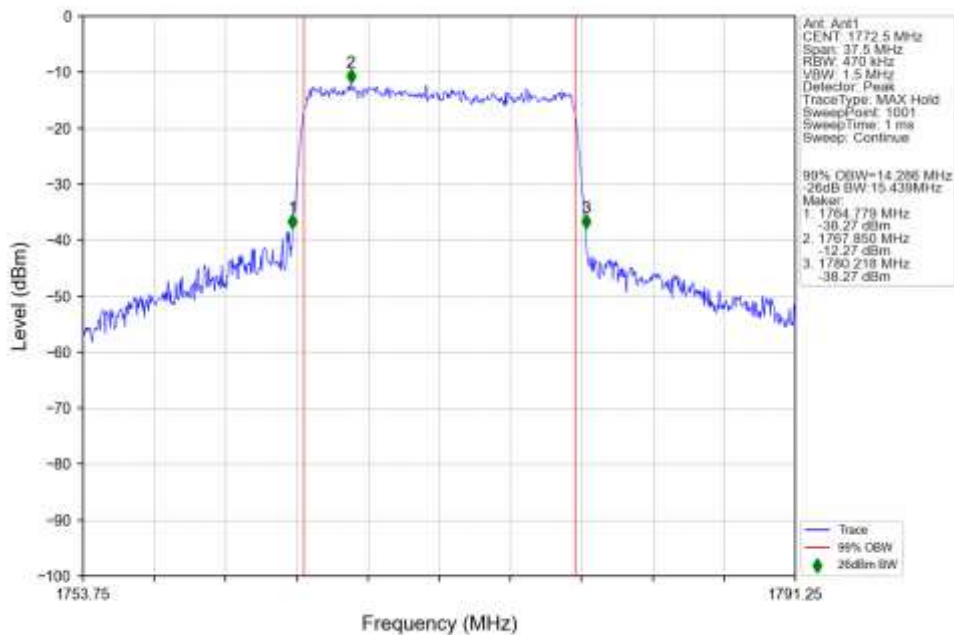
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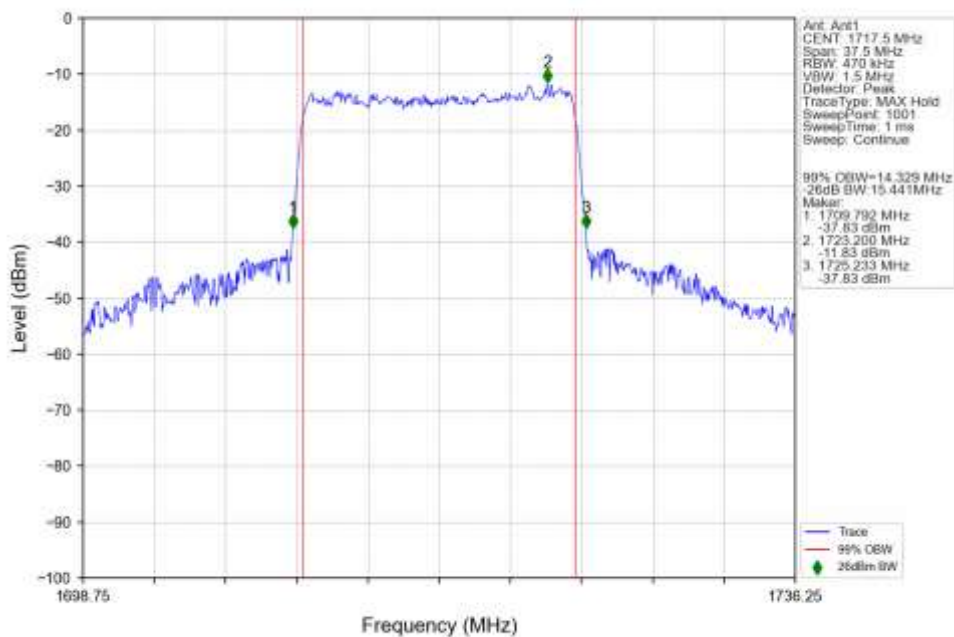
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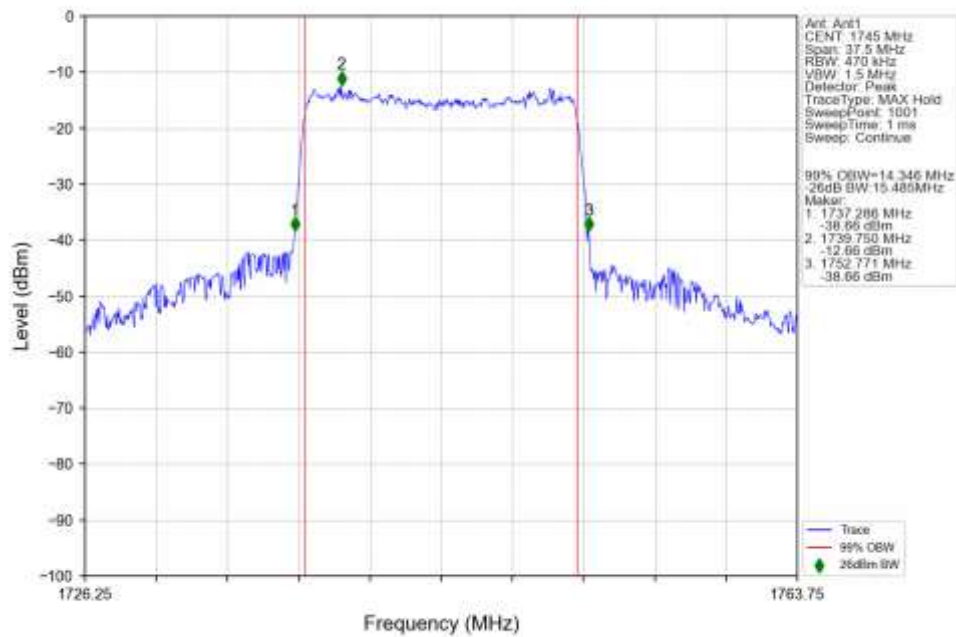
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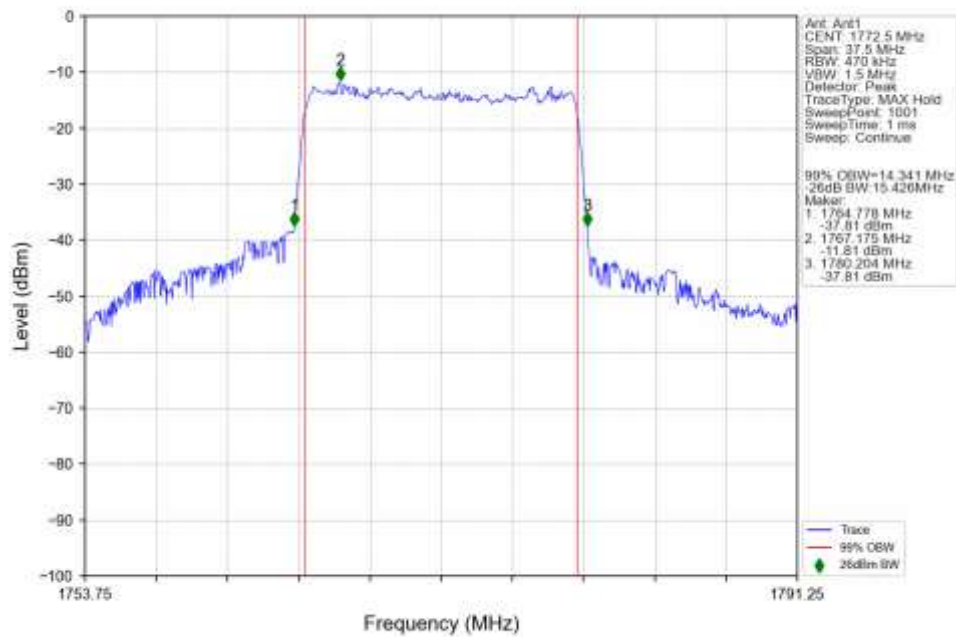
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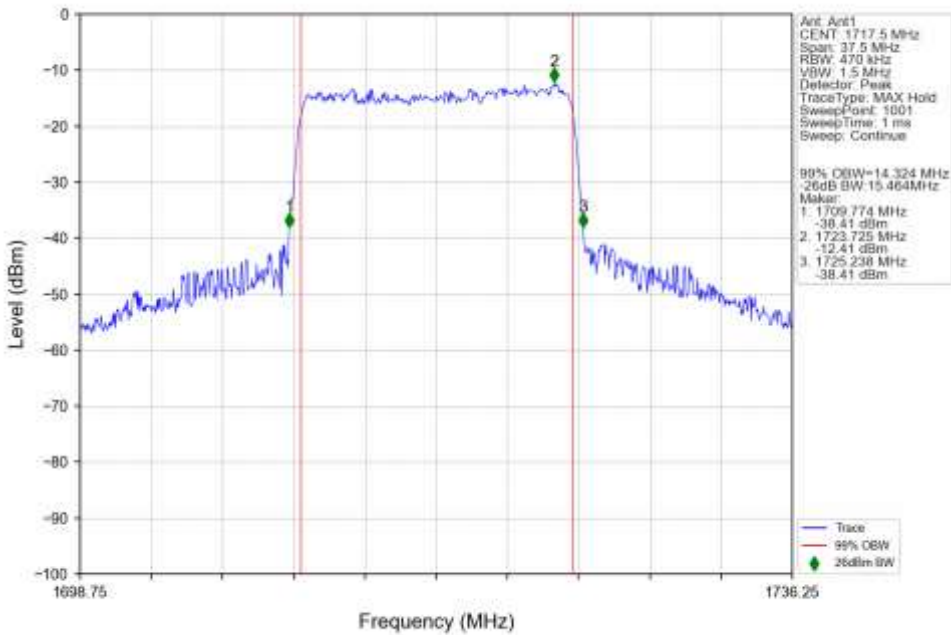
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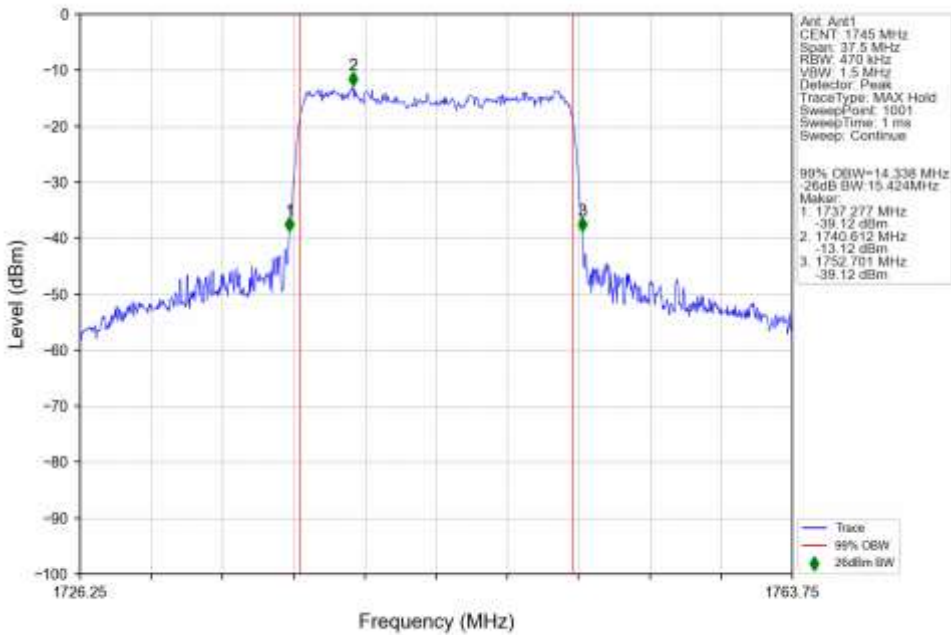
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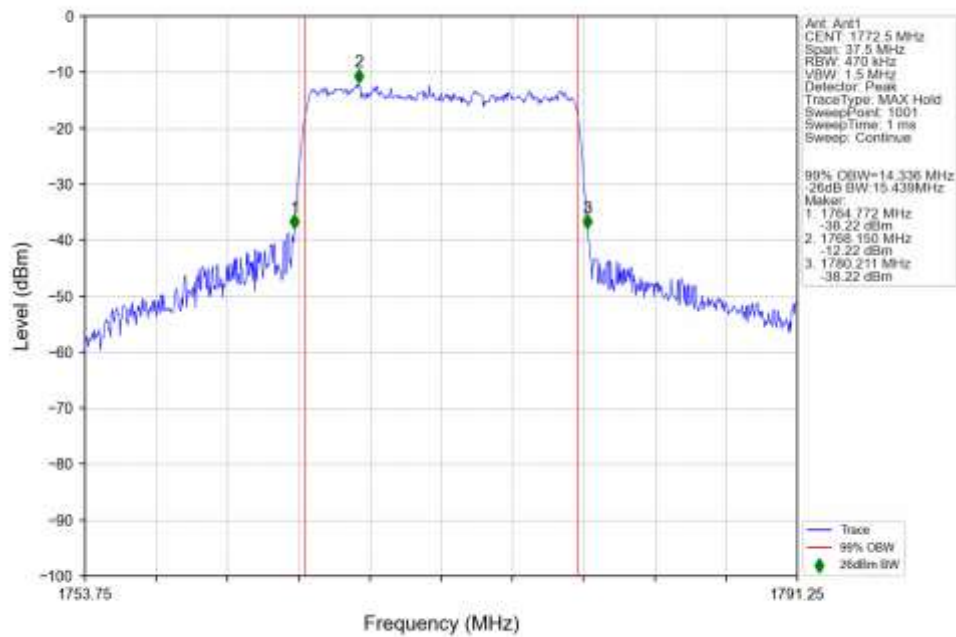
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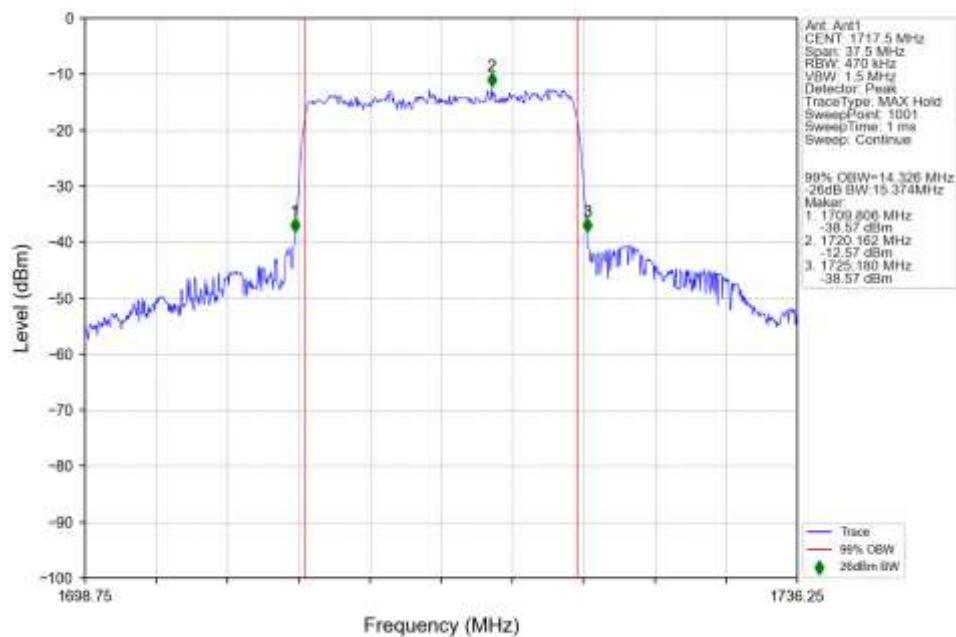
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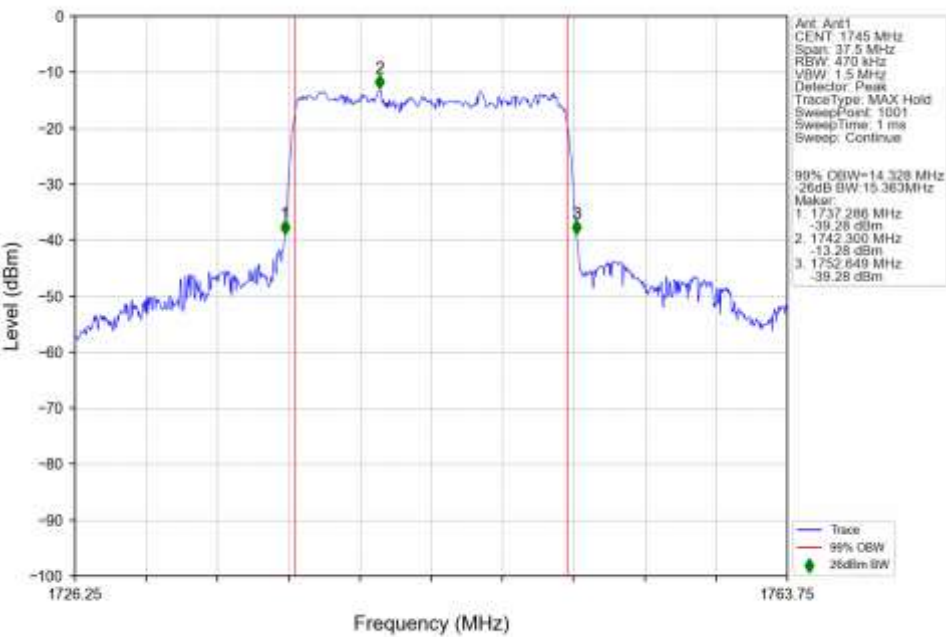
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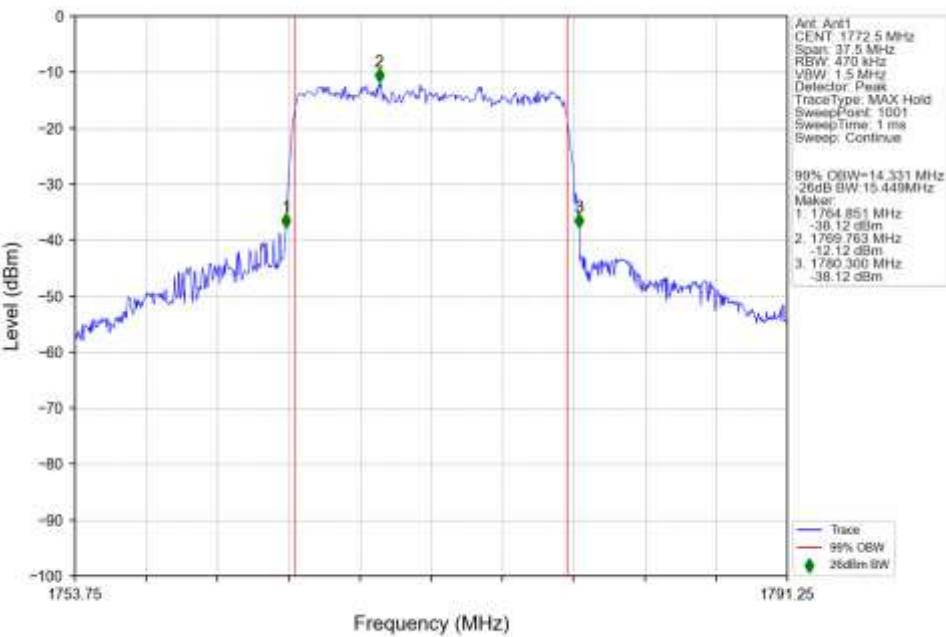
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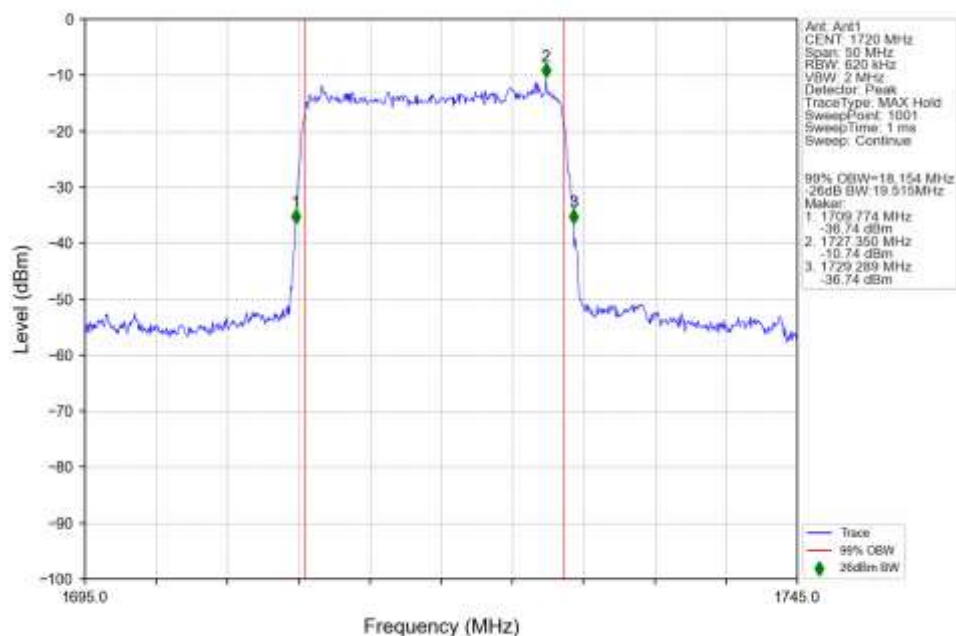


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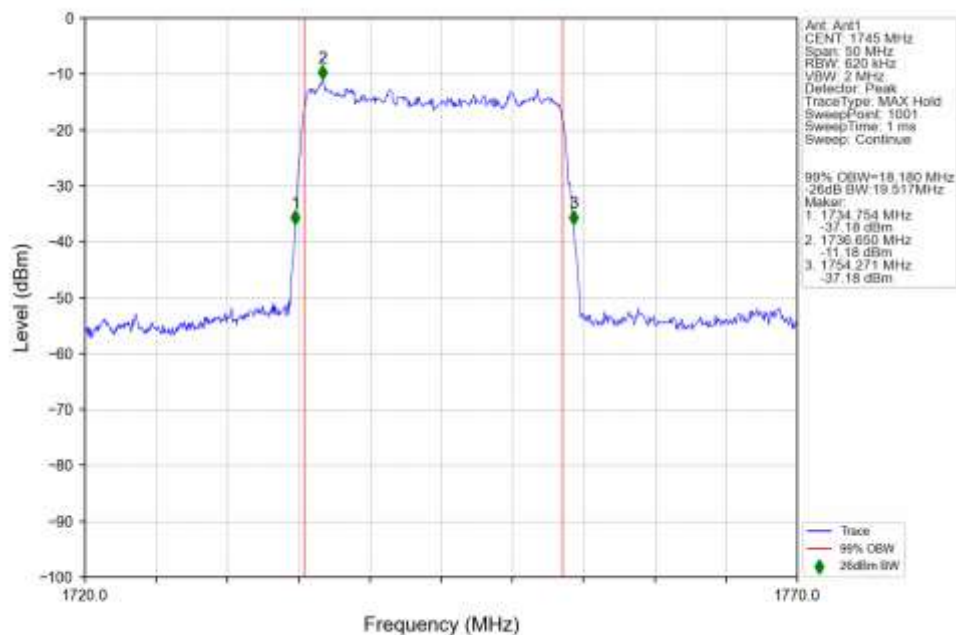


4.2.4 15k_SISO_20MHz_NTNV

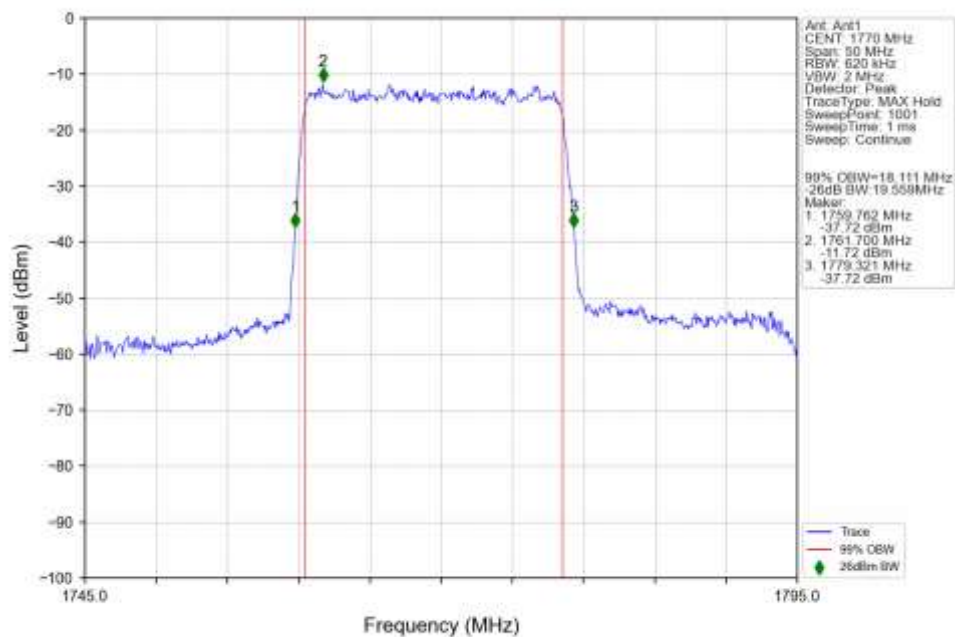
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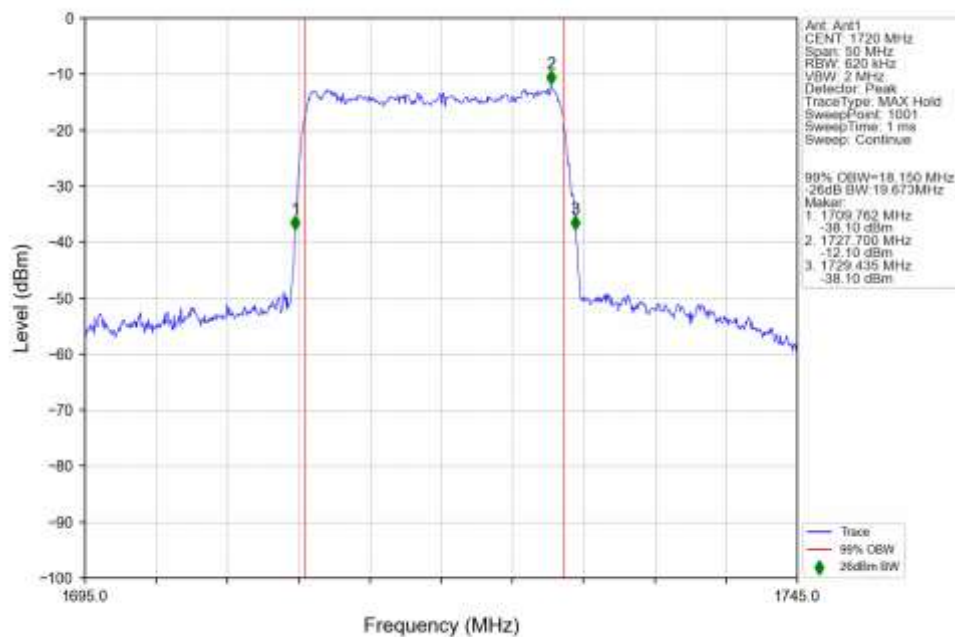
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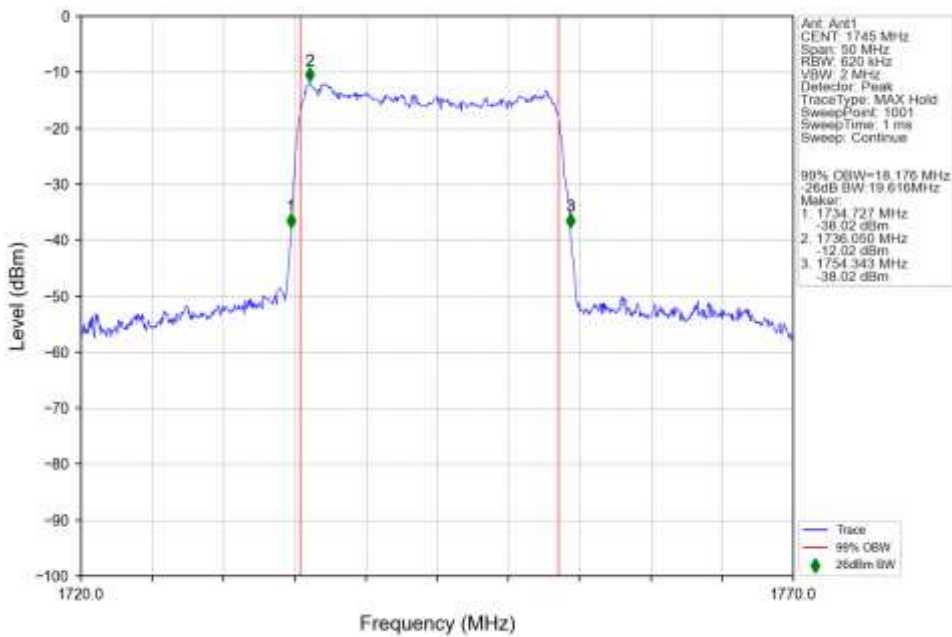
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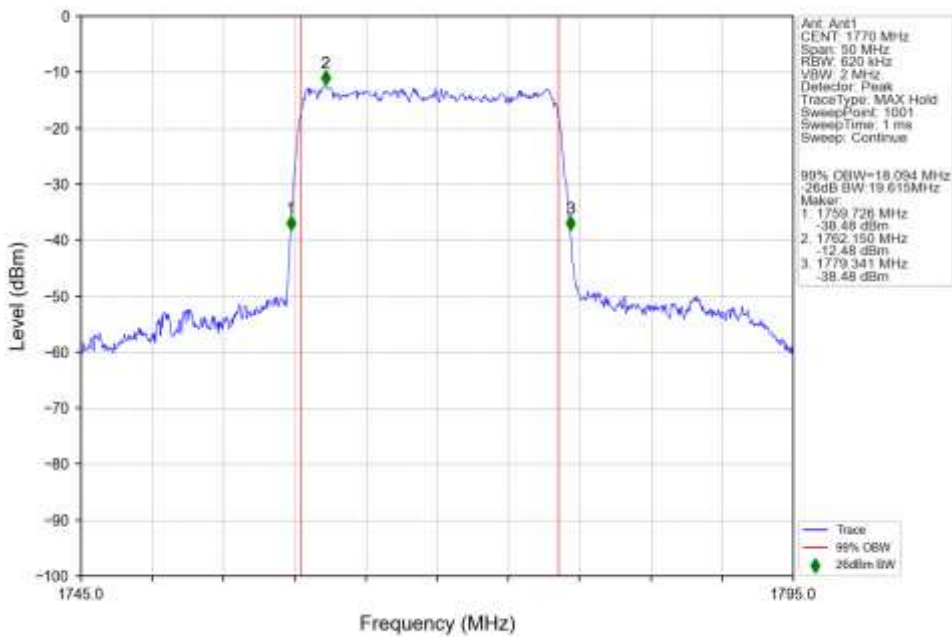
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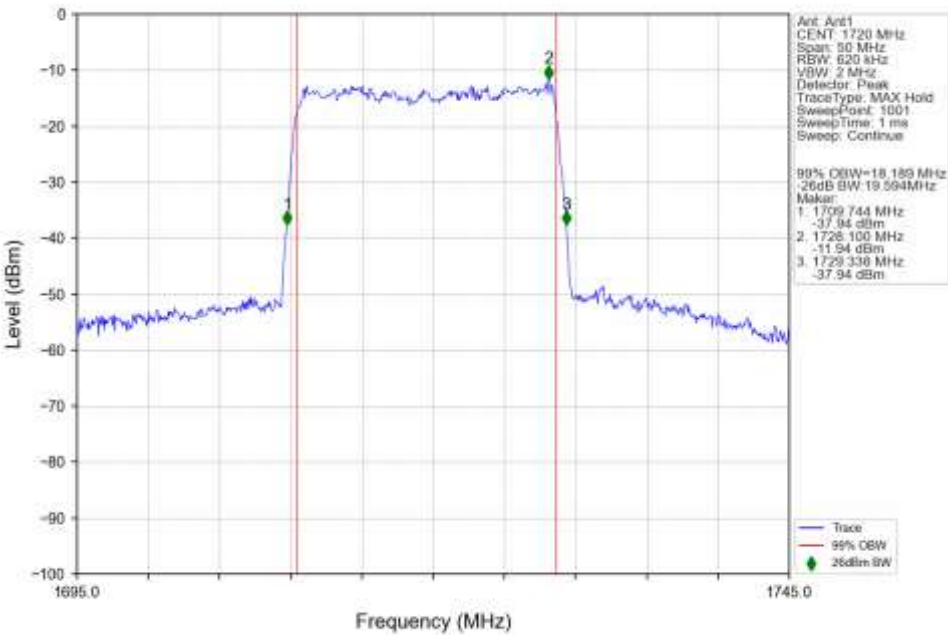
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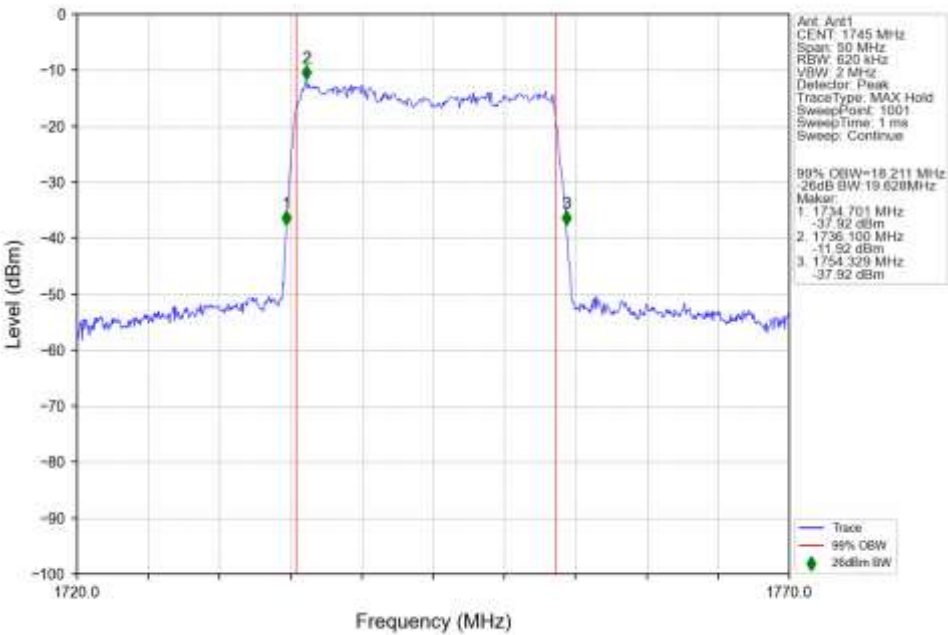
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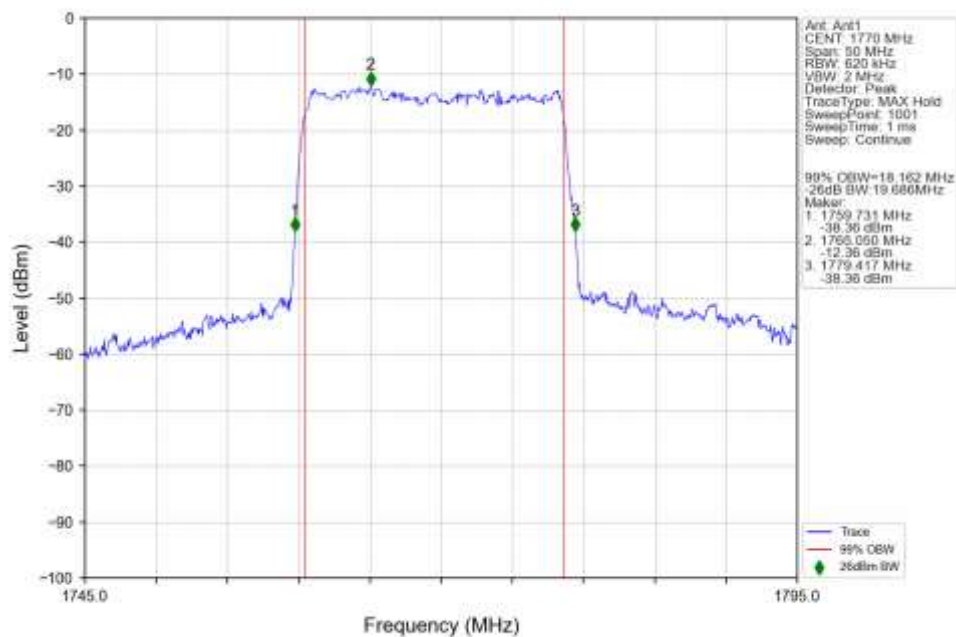
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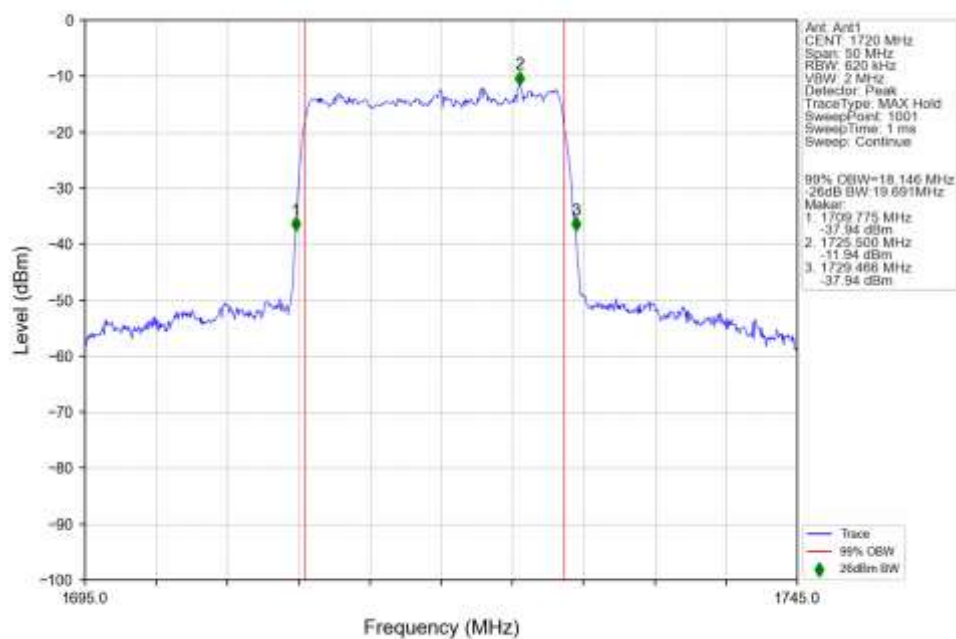
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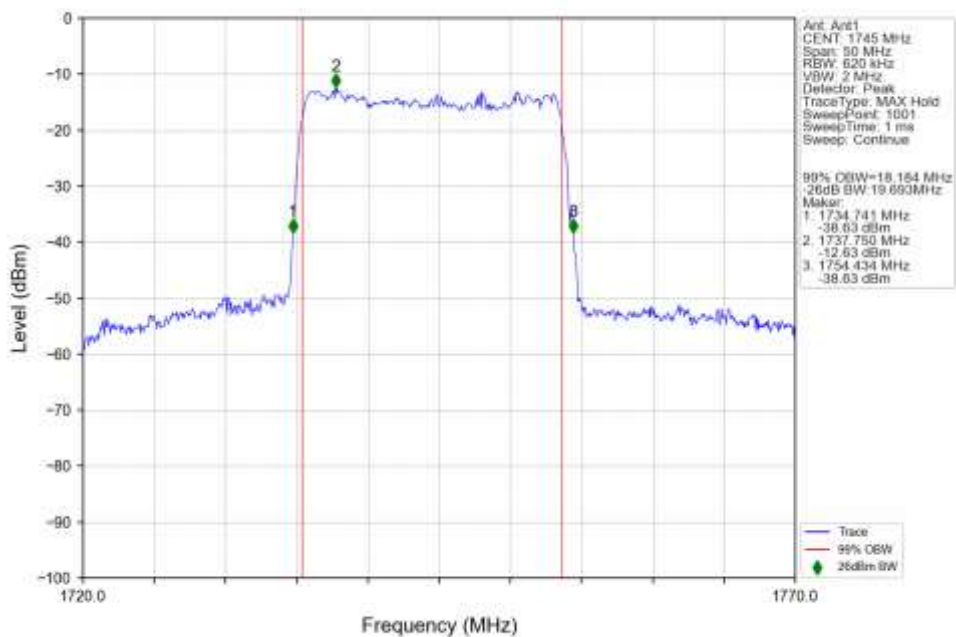
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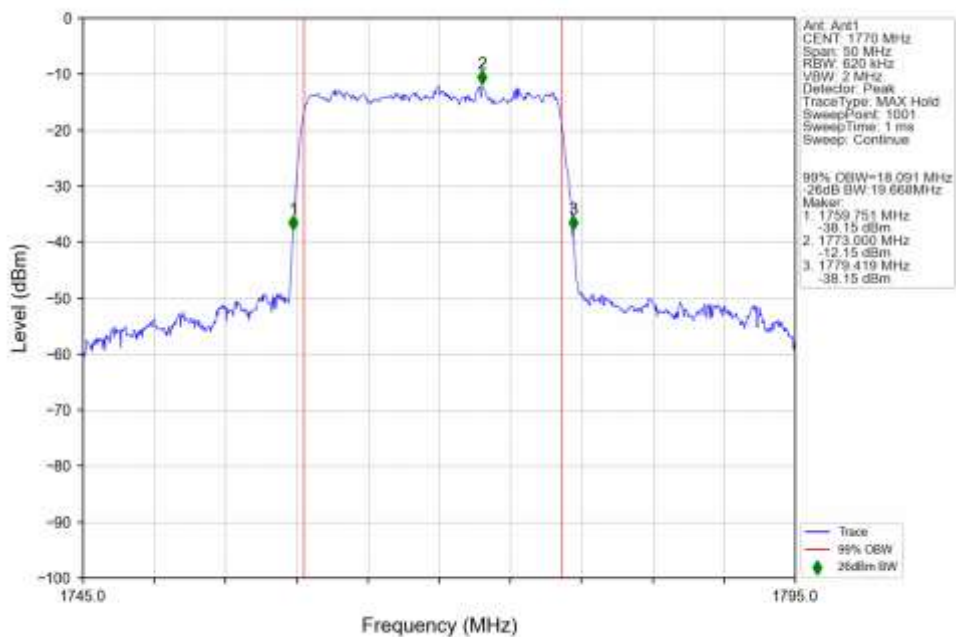
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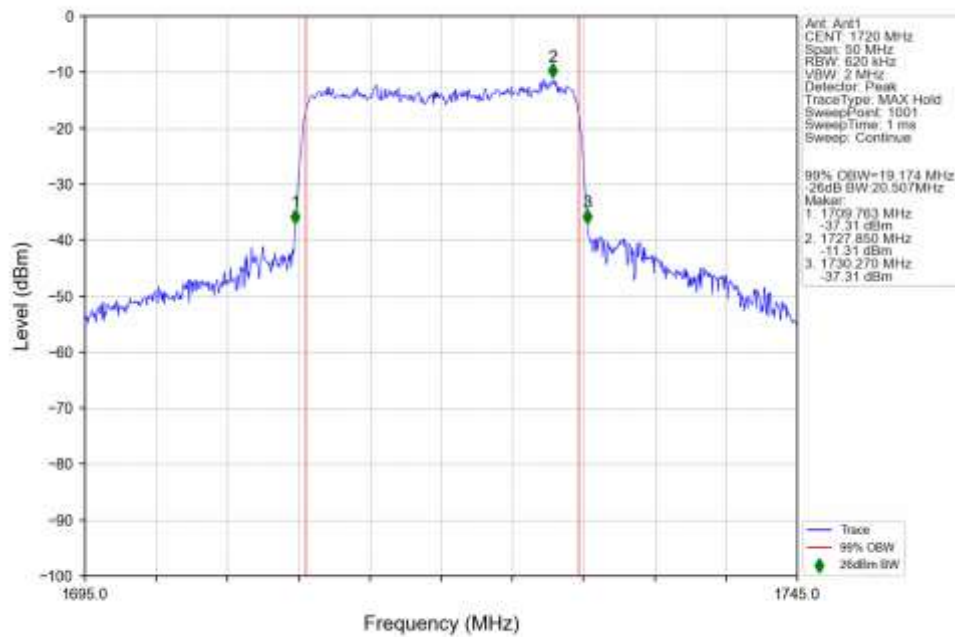
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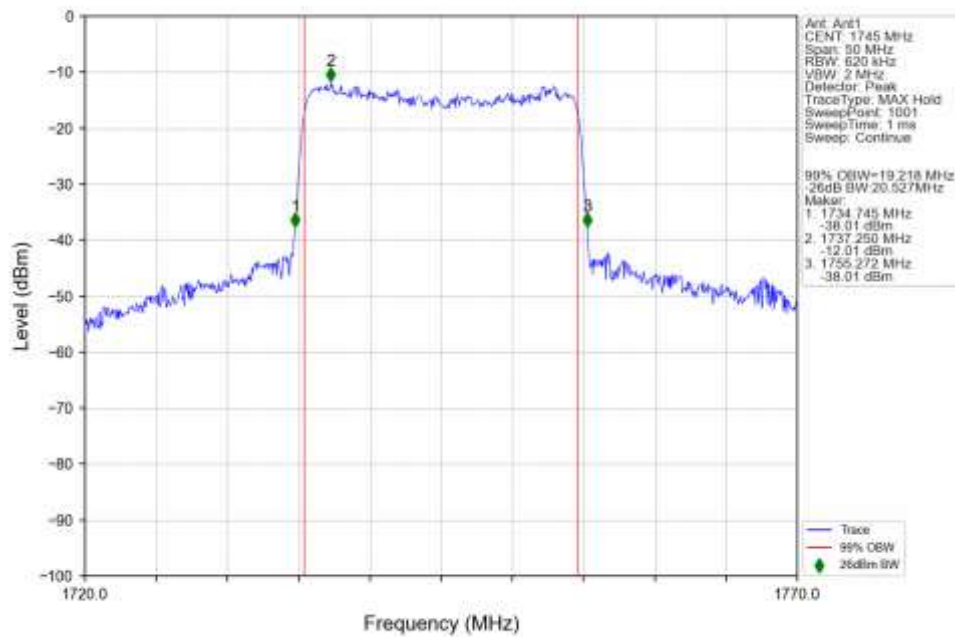
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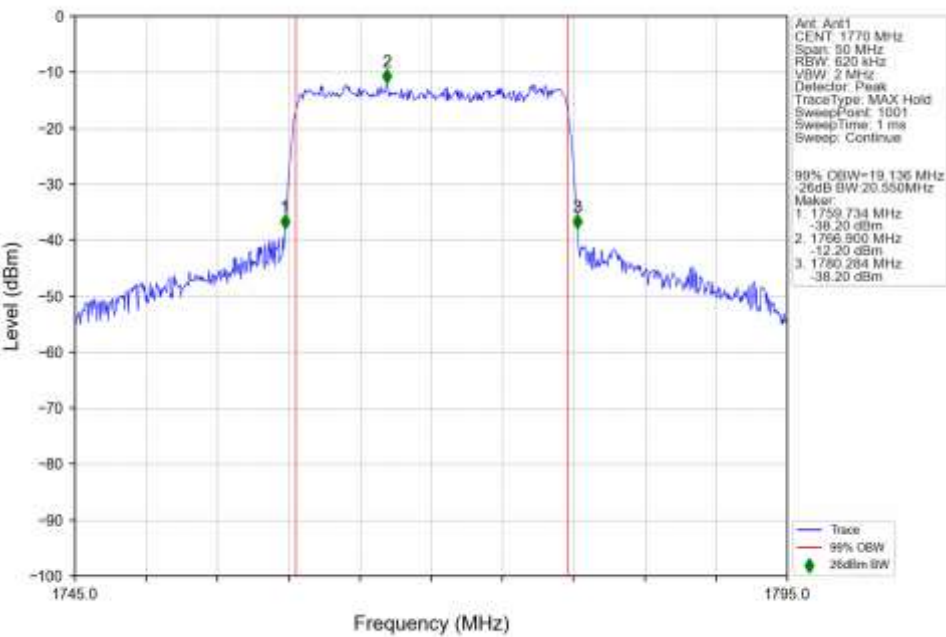
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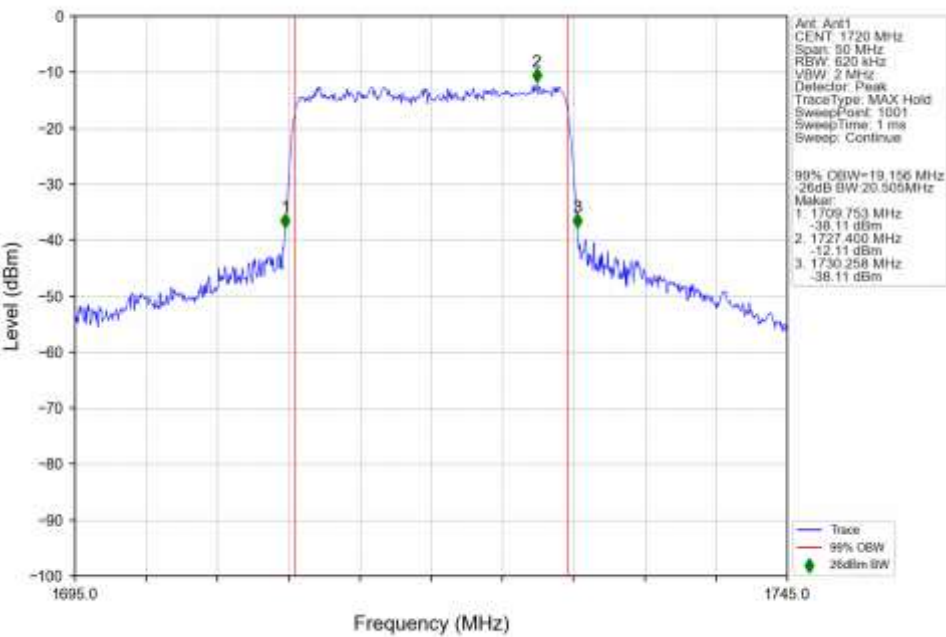
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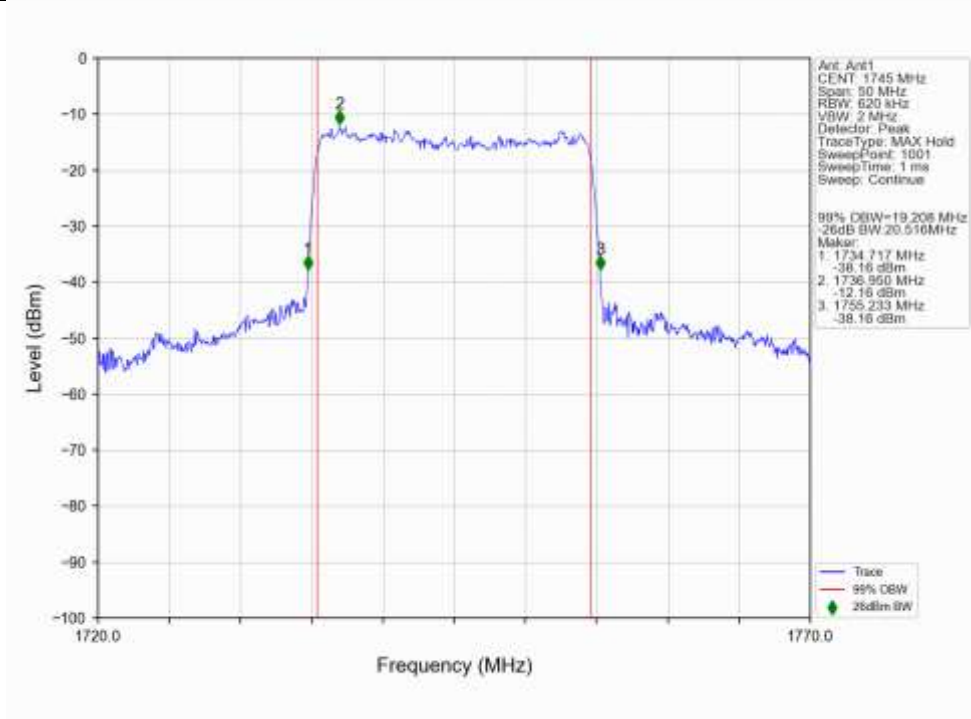
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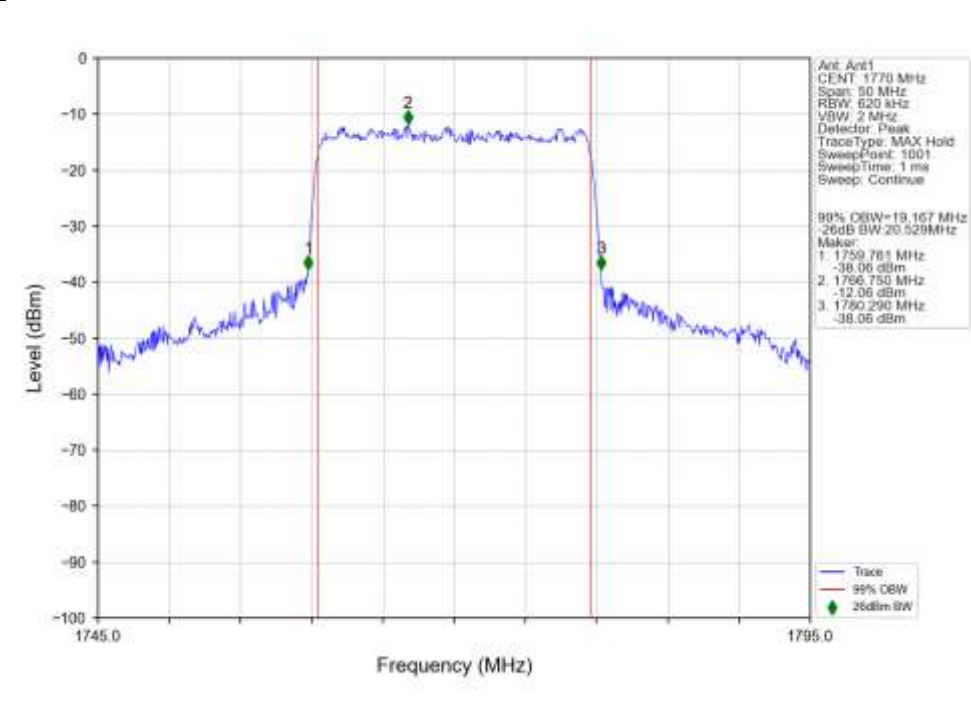
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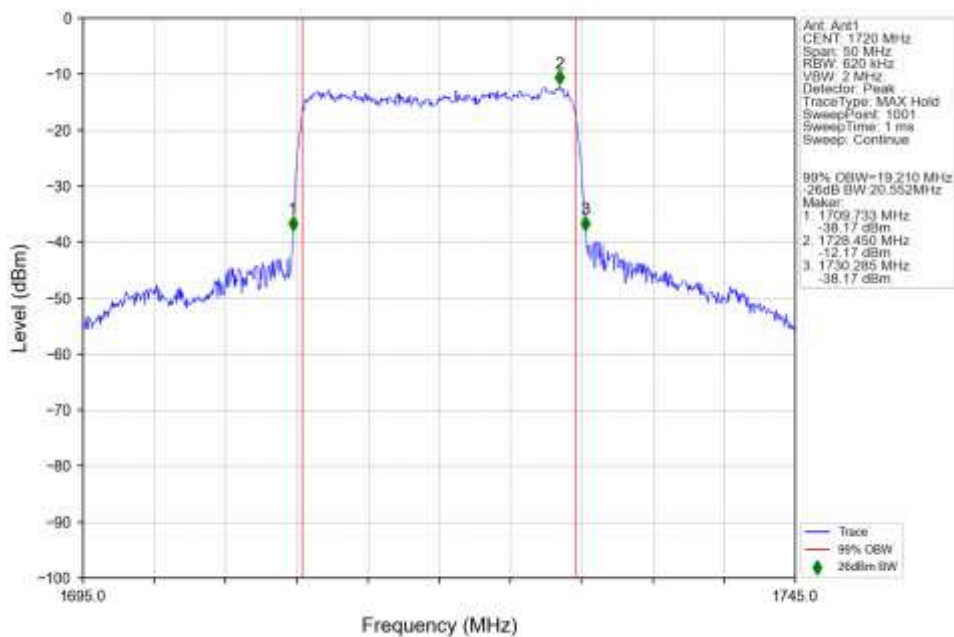
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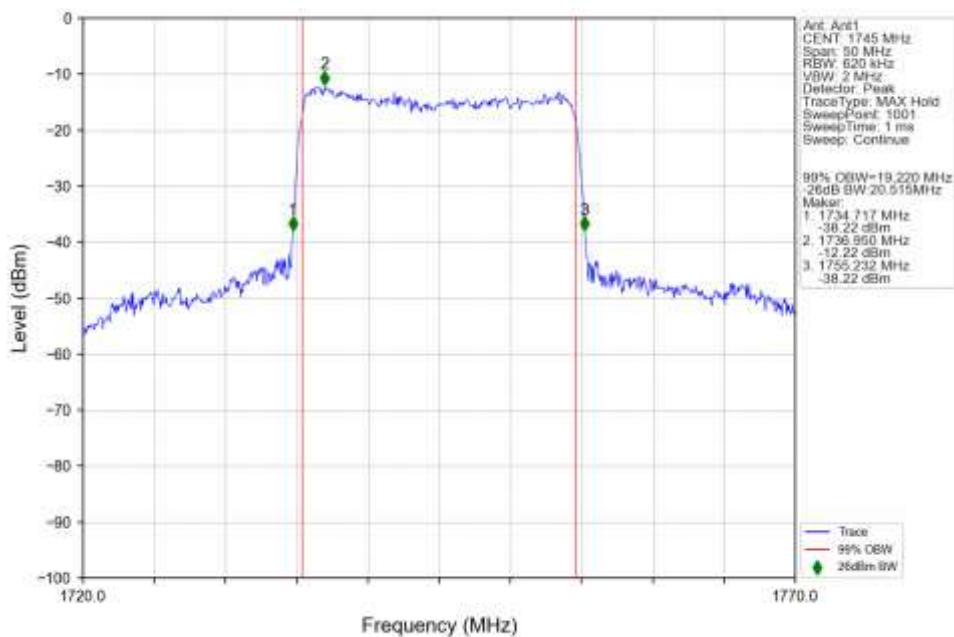
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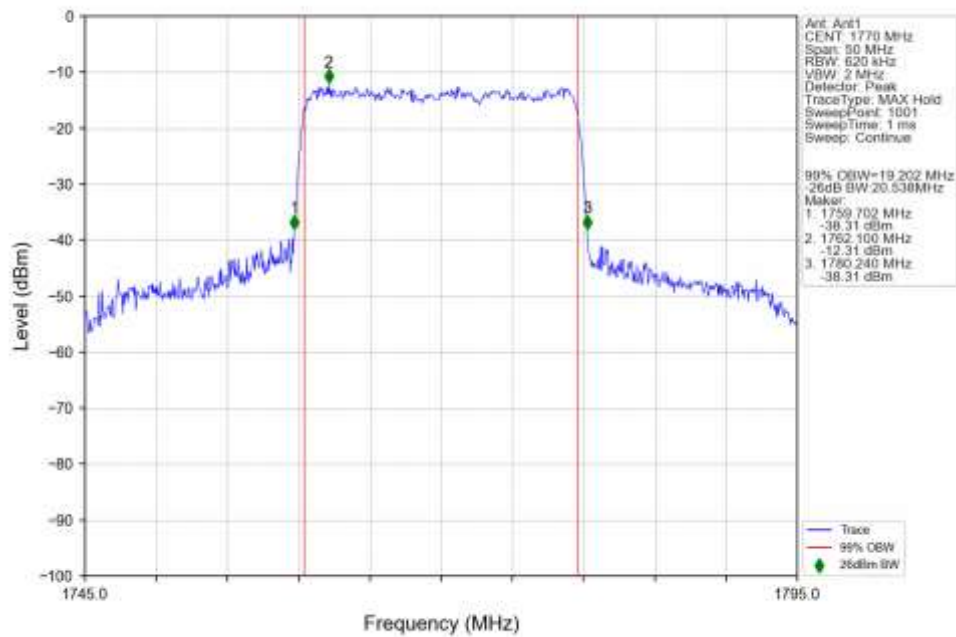
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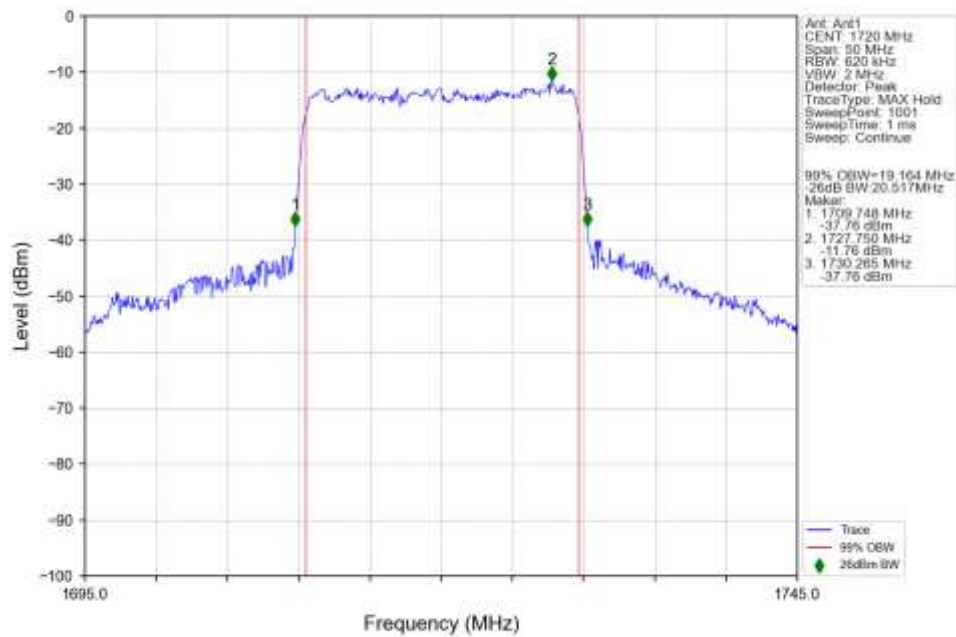
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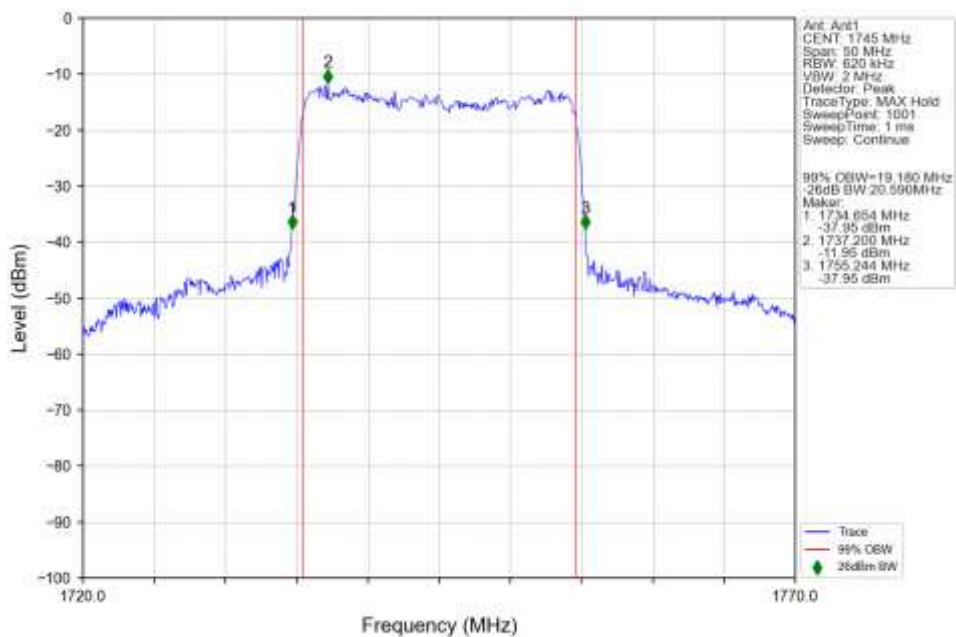
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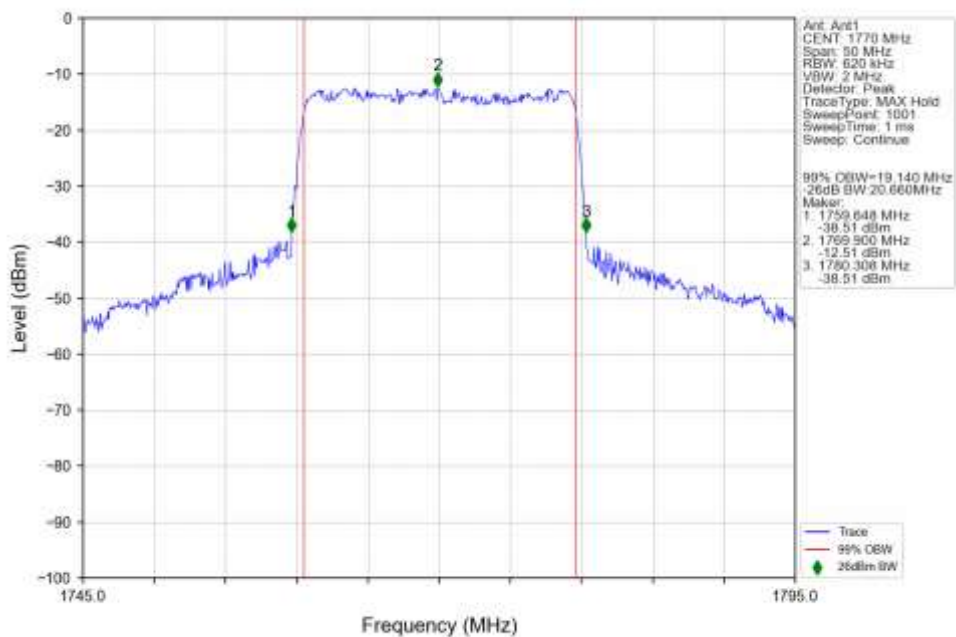
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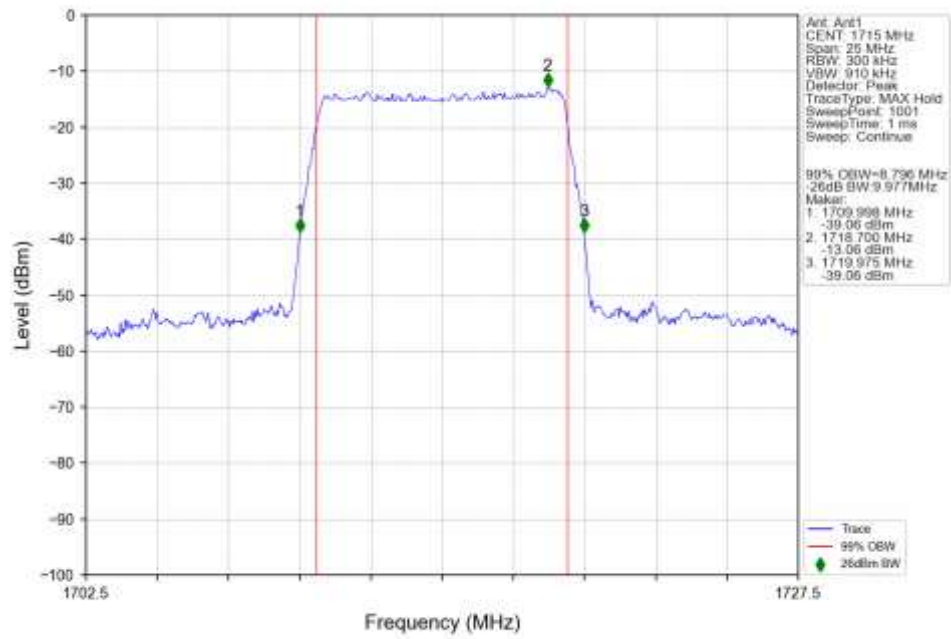


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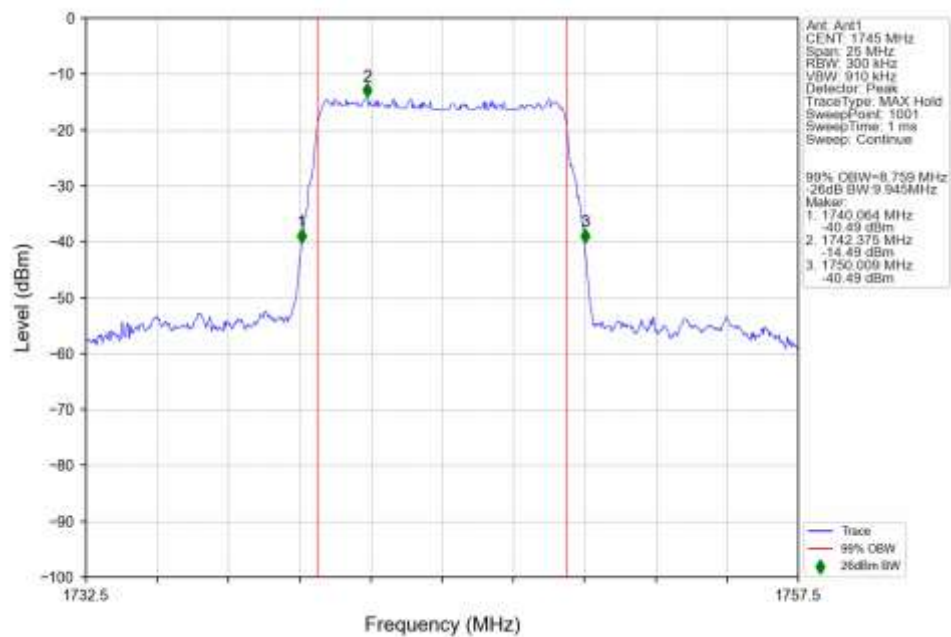


4.2.5 30k_SISO_10MHz_NTNV

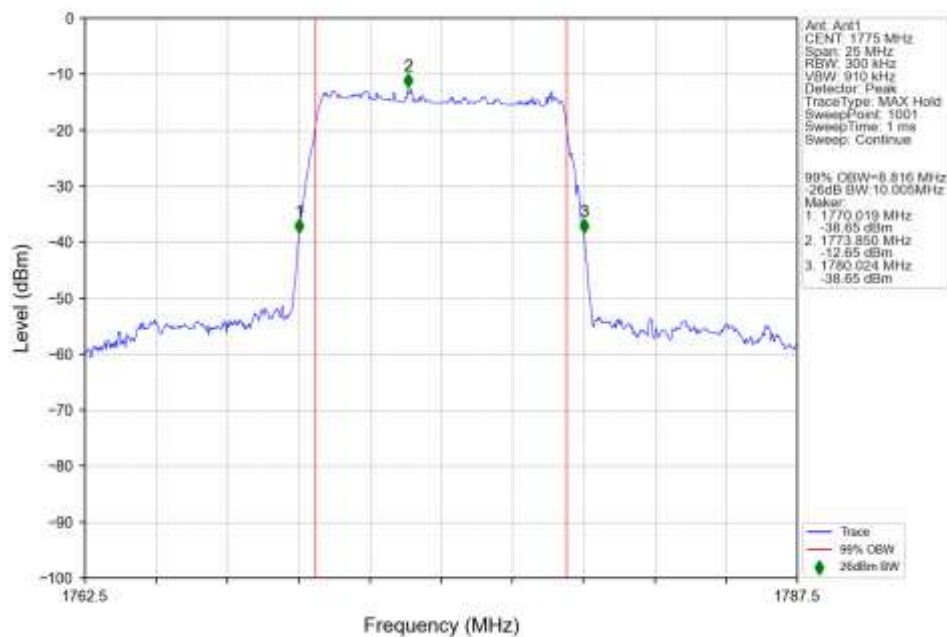
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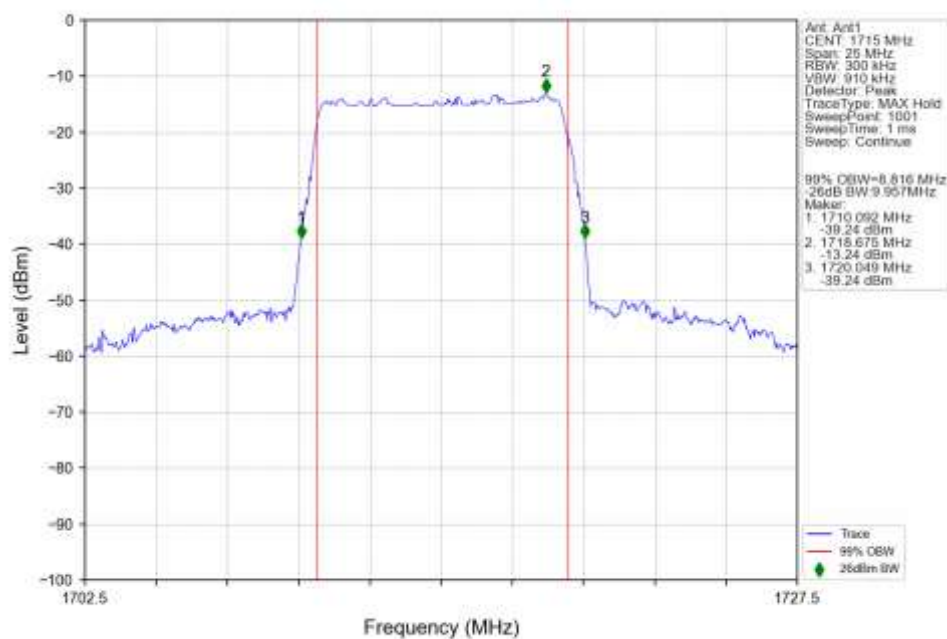
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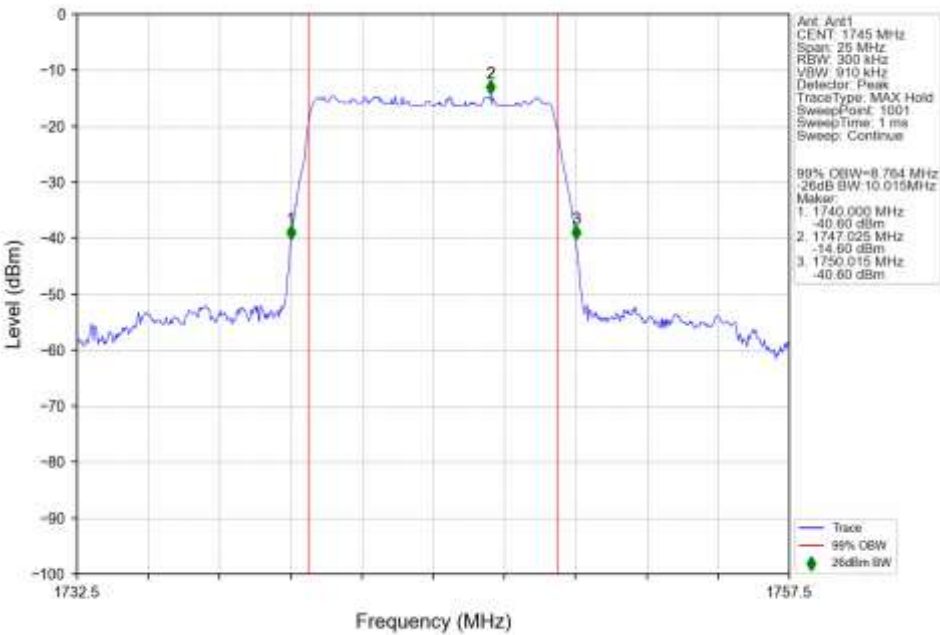
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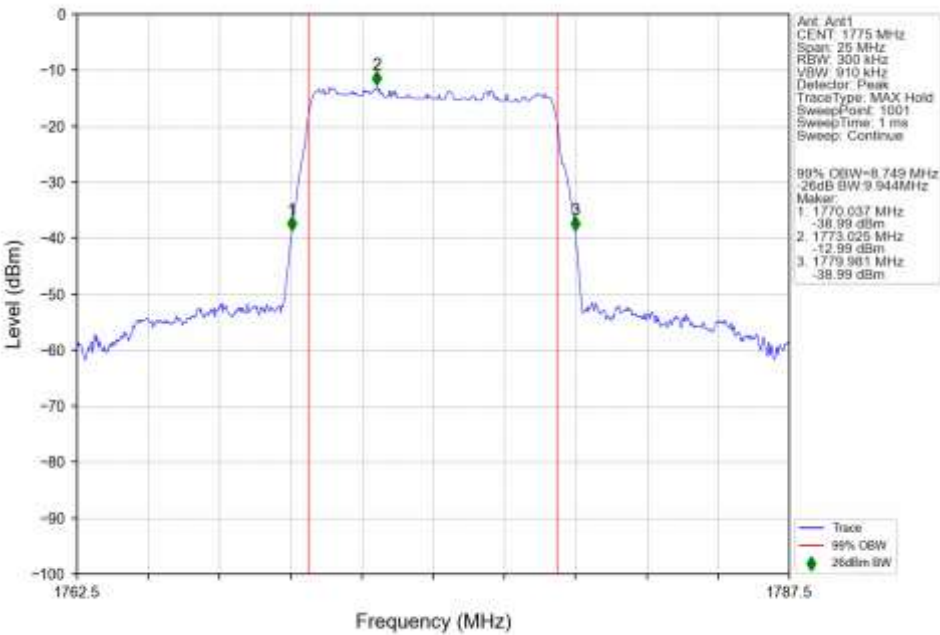
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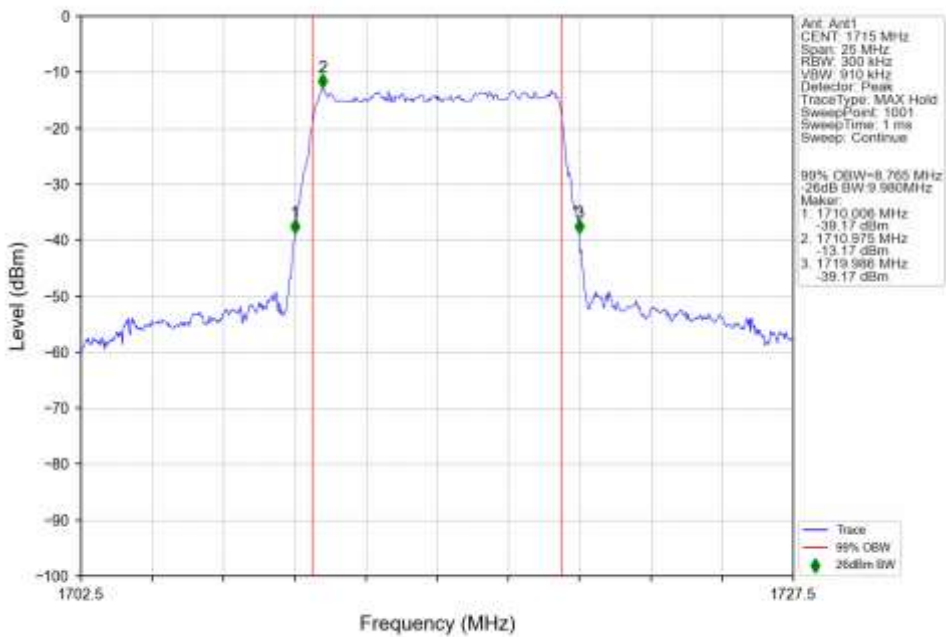
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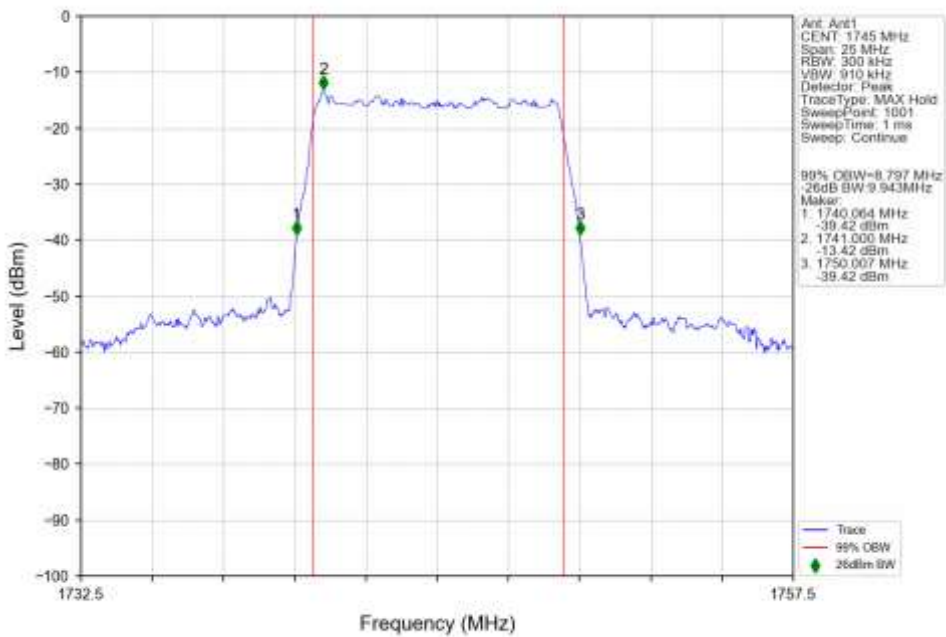
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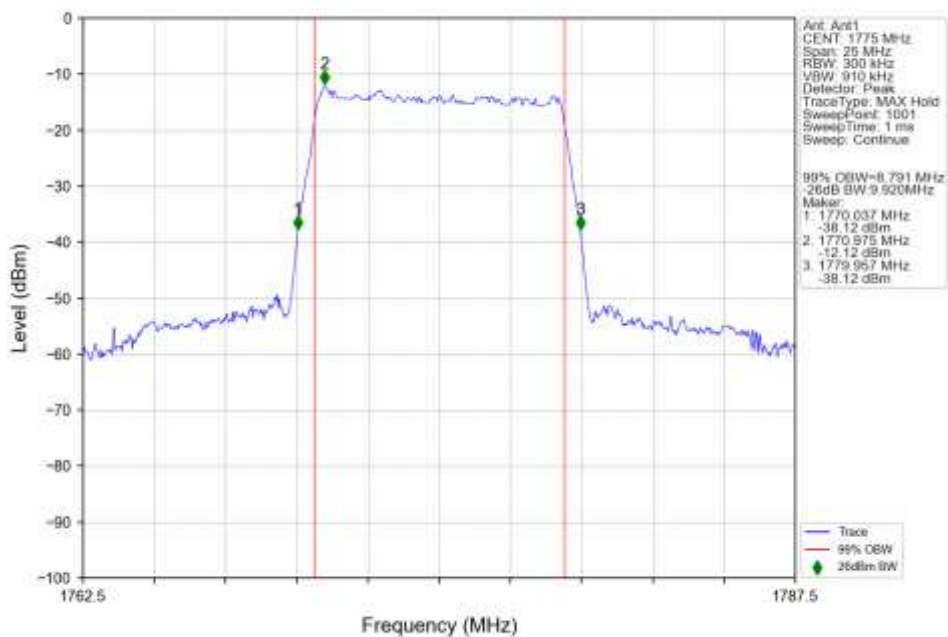
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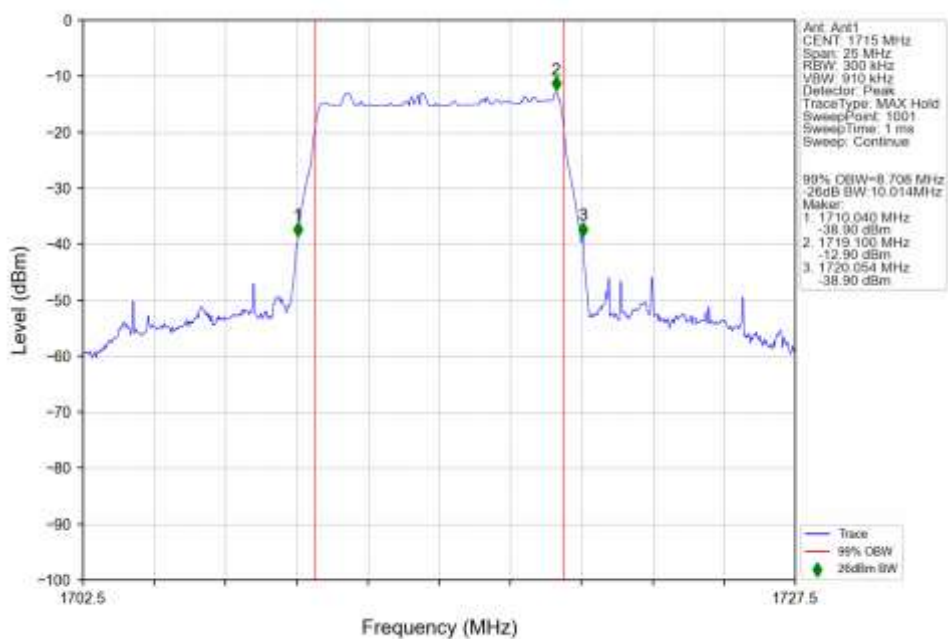
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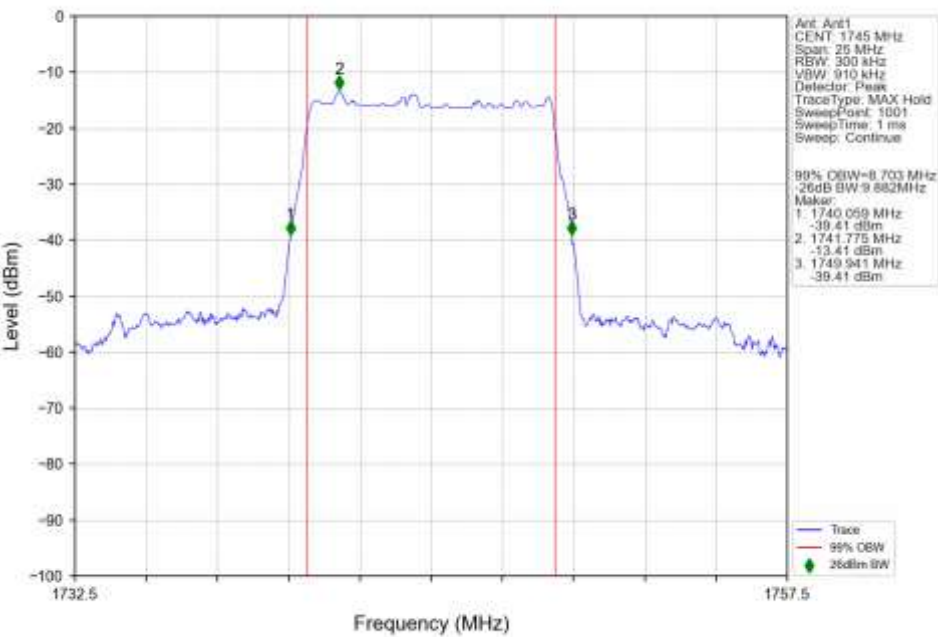
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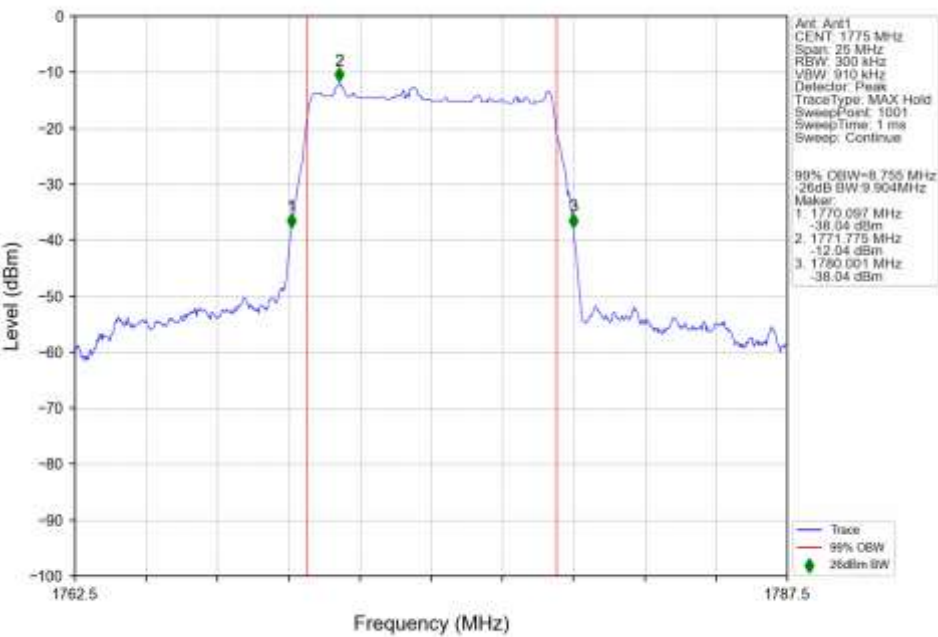
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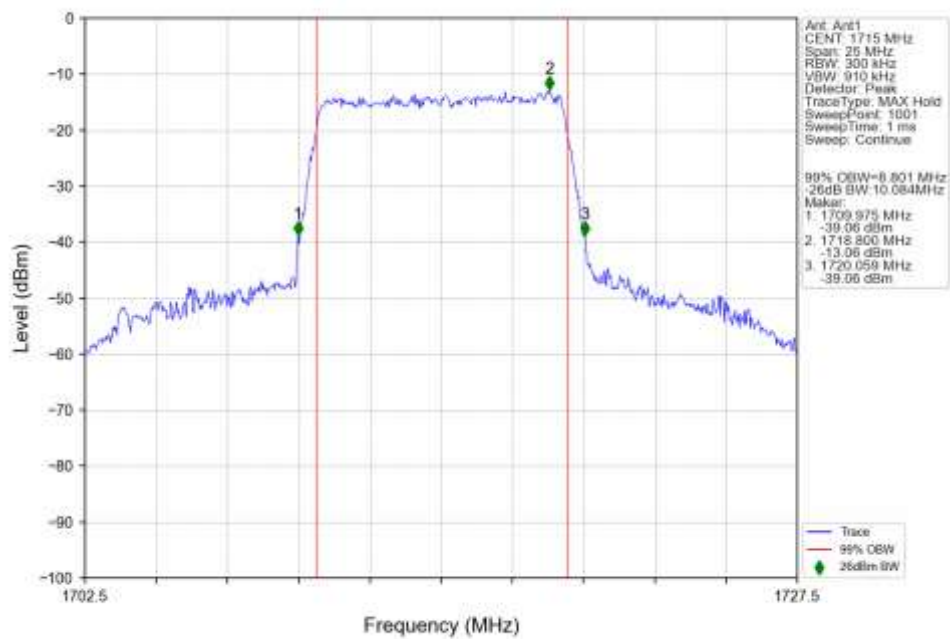
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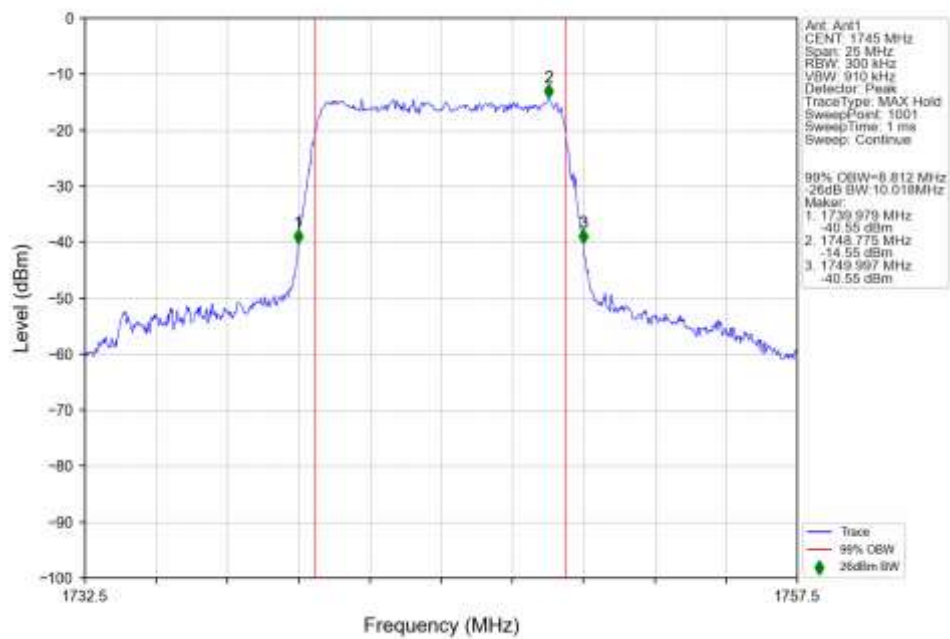
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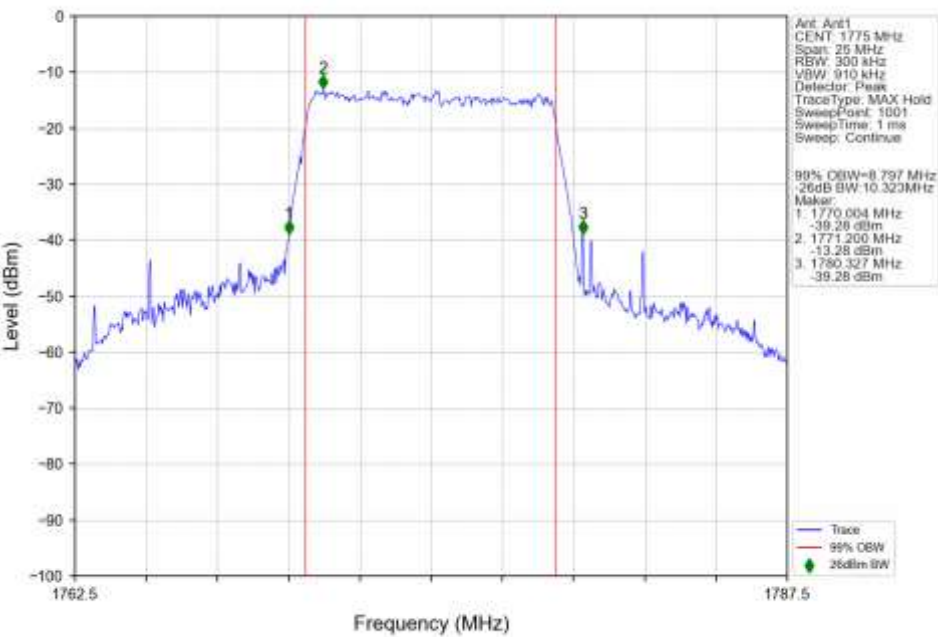
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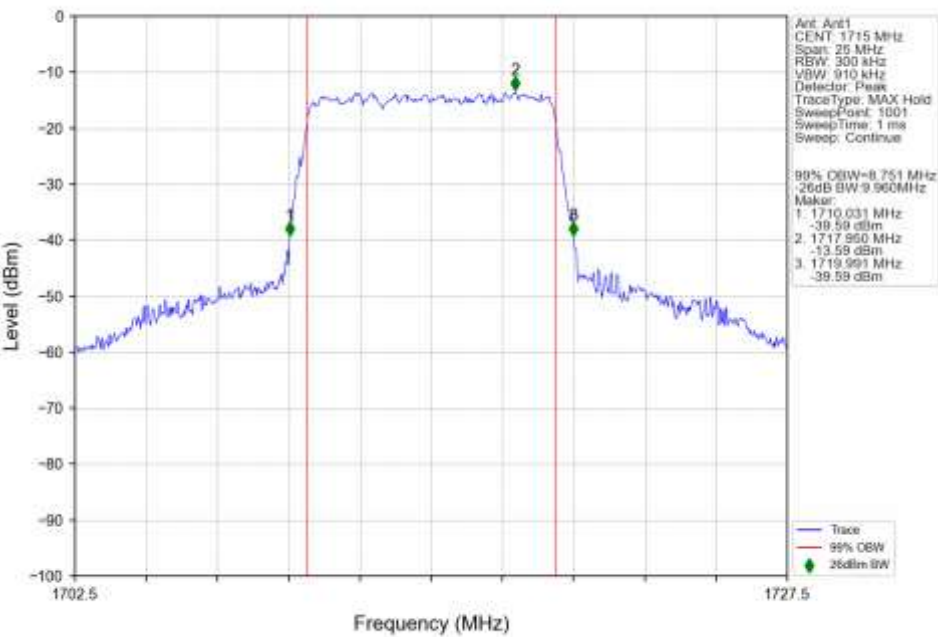
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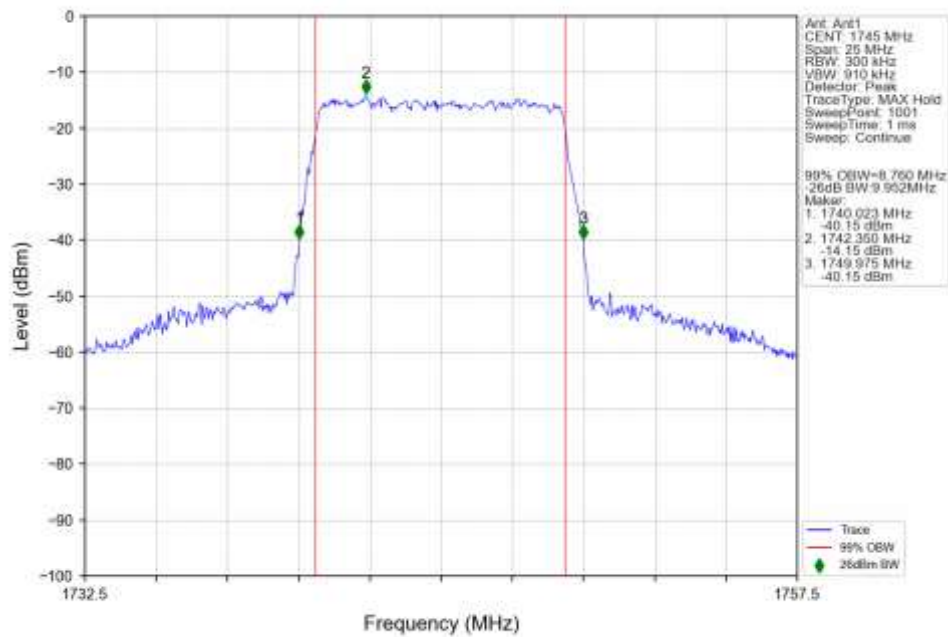
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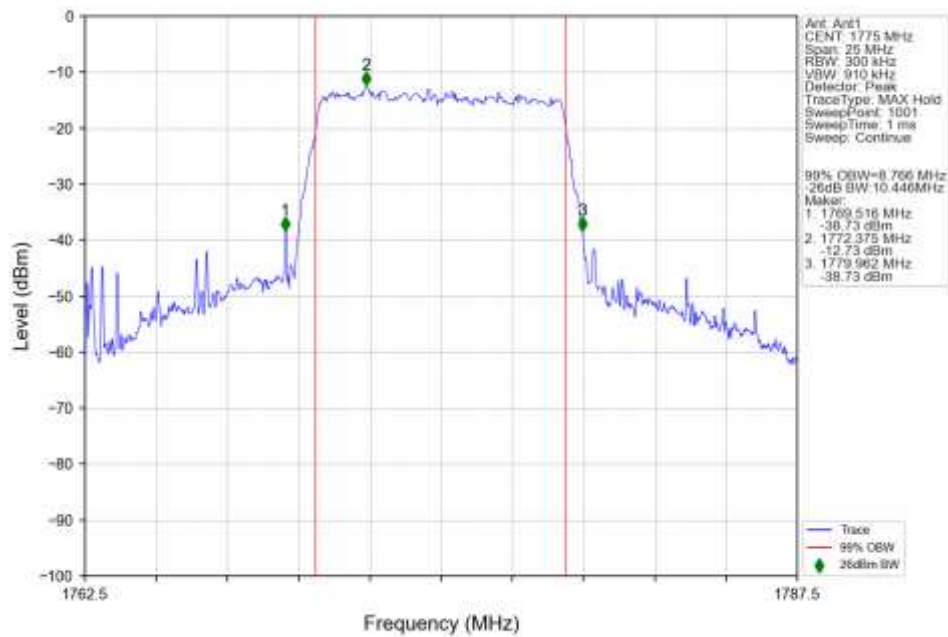
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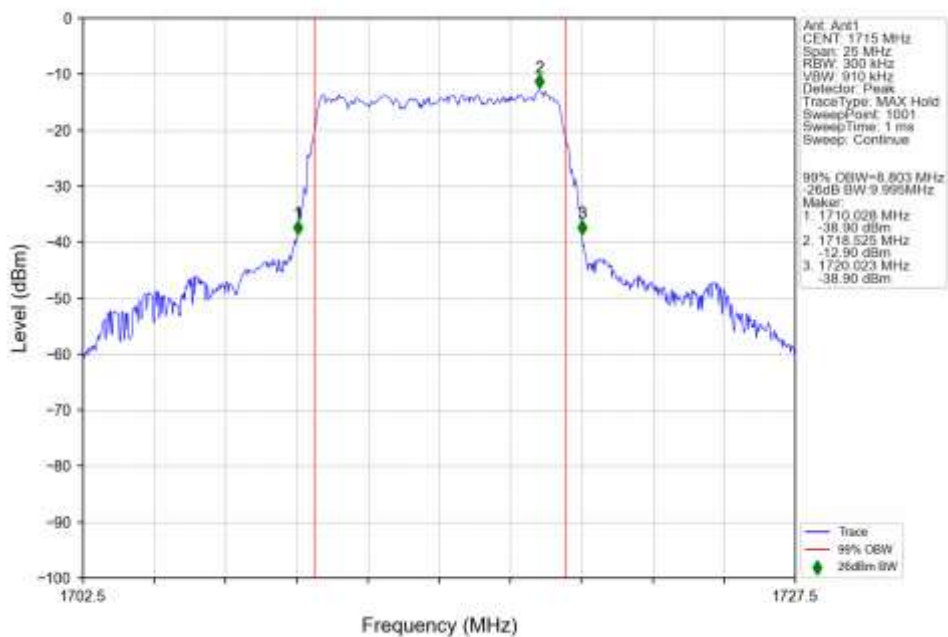
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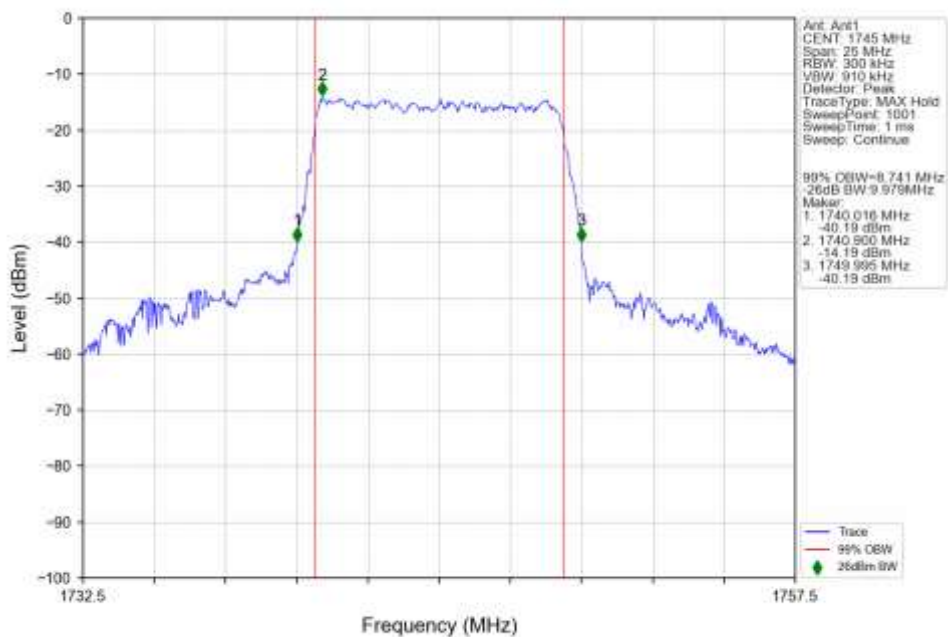
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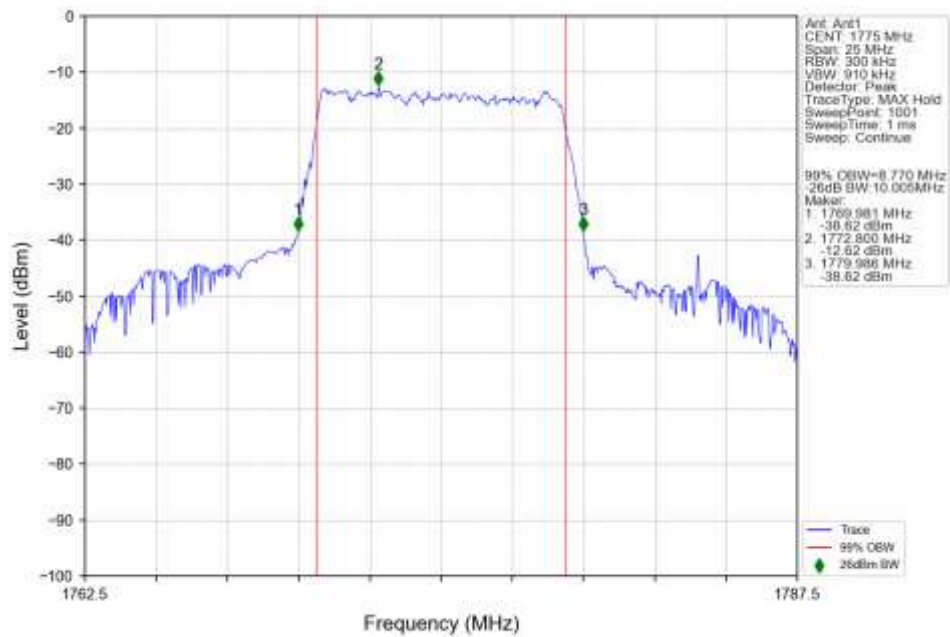
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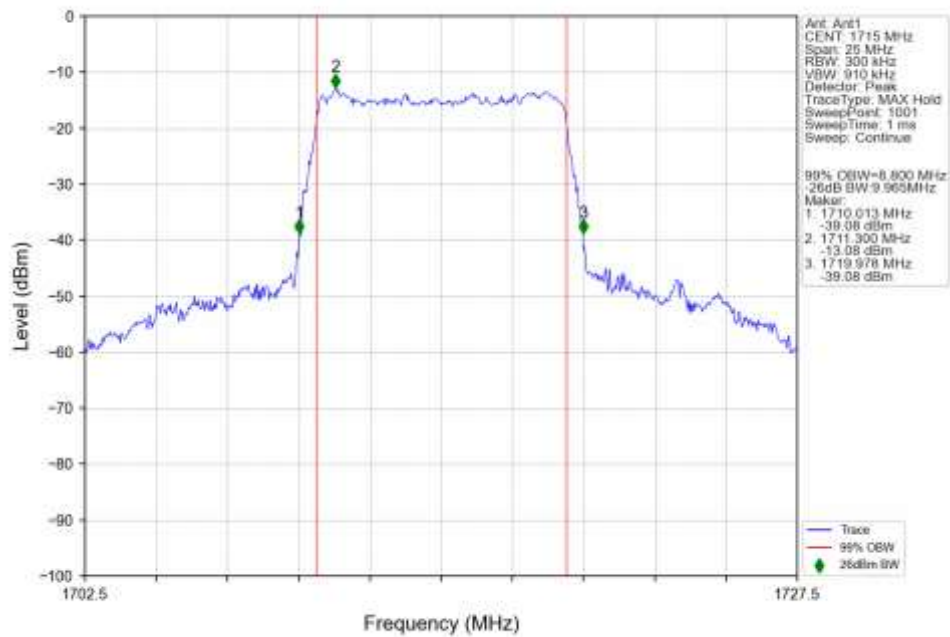
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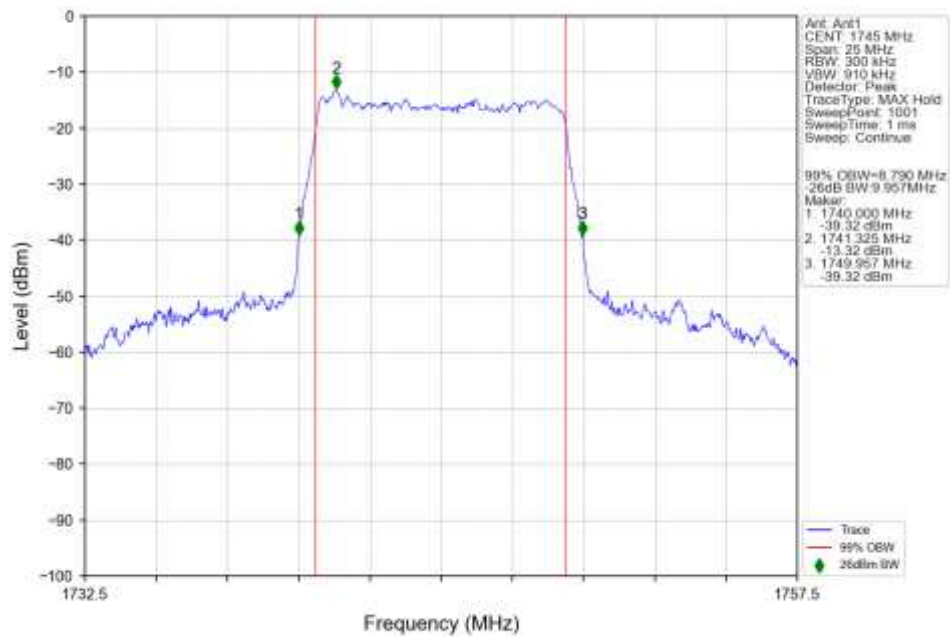
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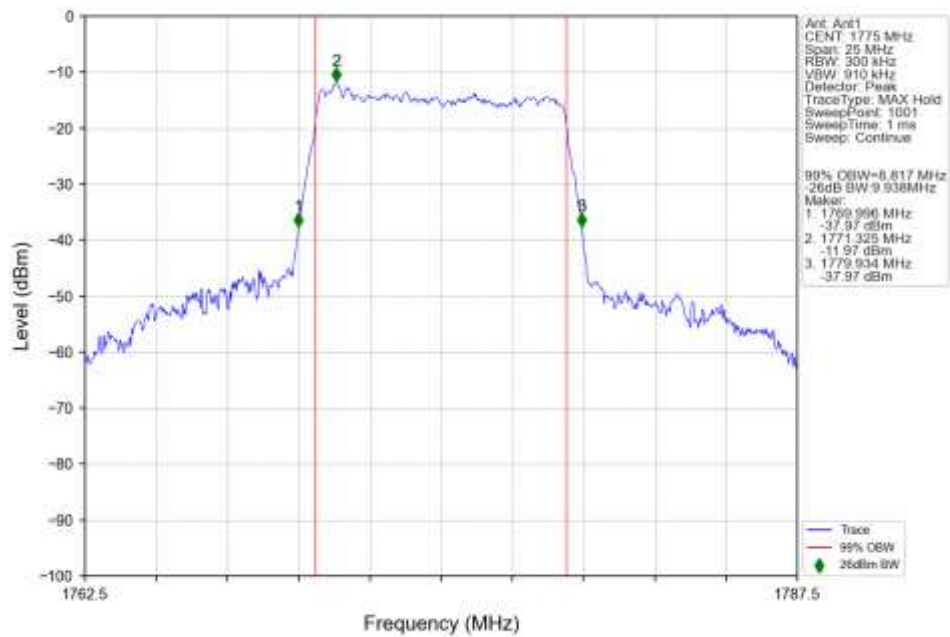
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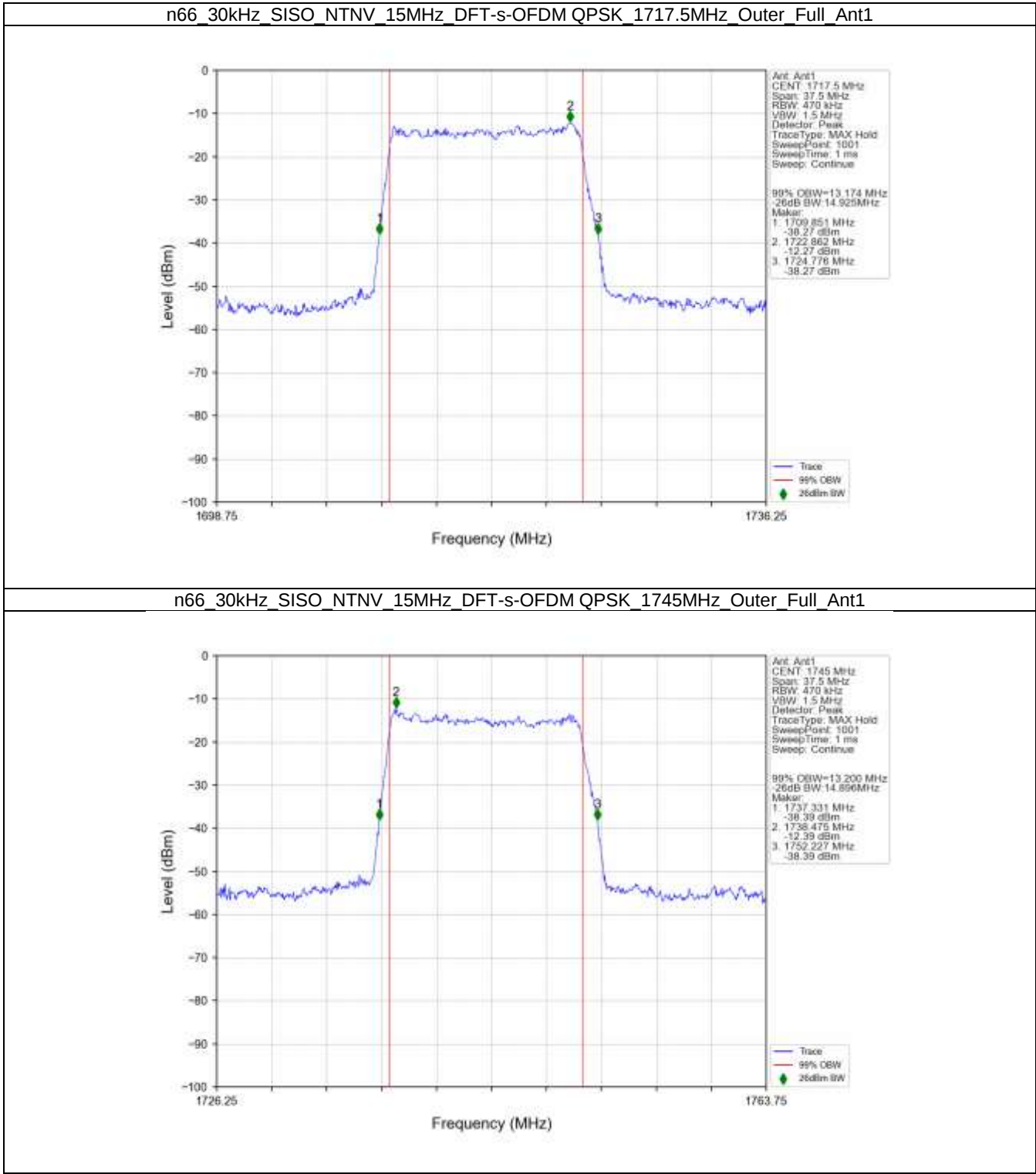
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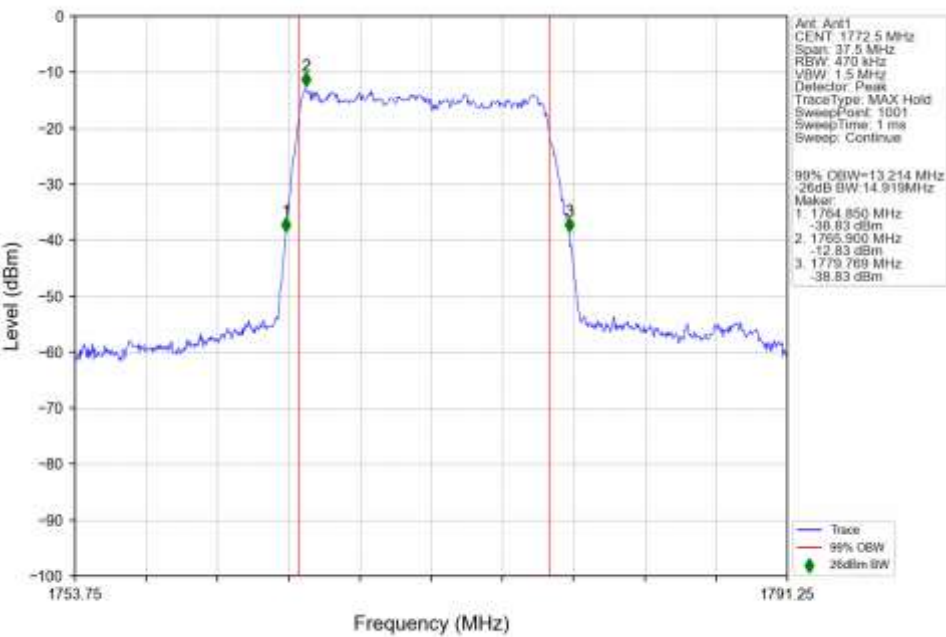
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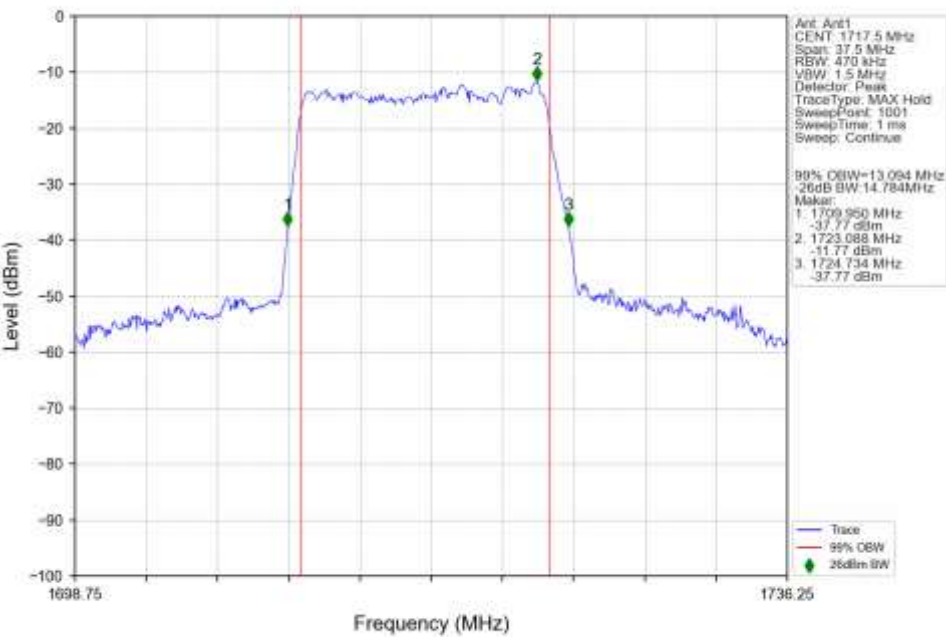
4.2.6 30k_SISO_15MHz_NTNV



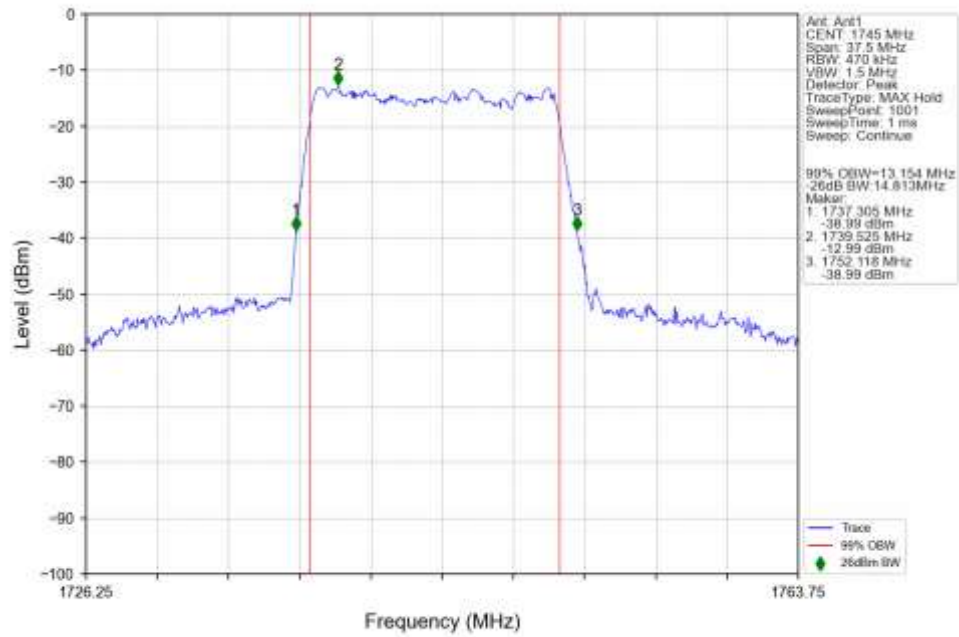
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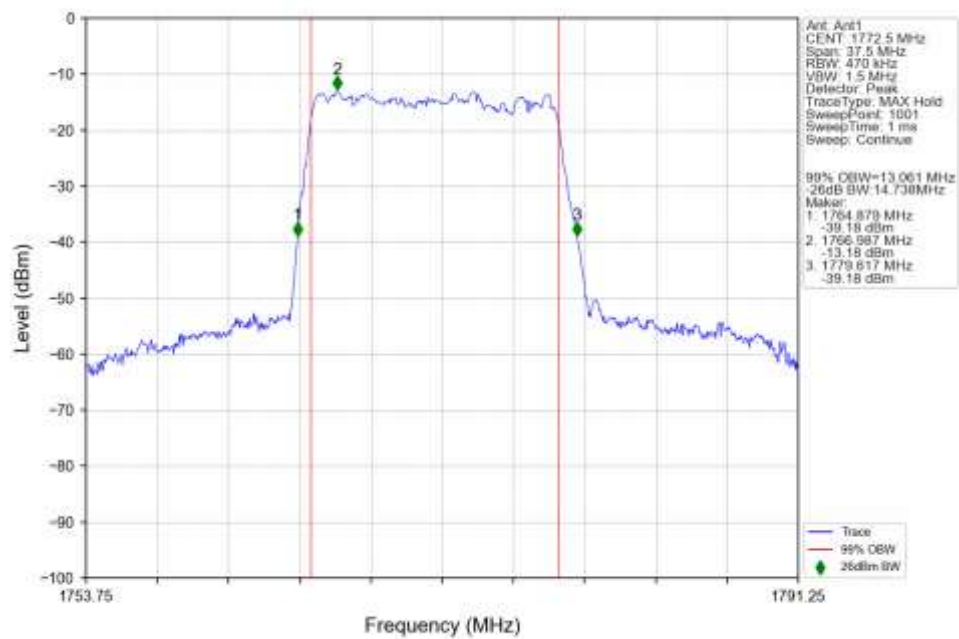
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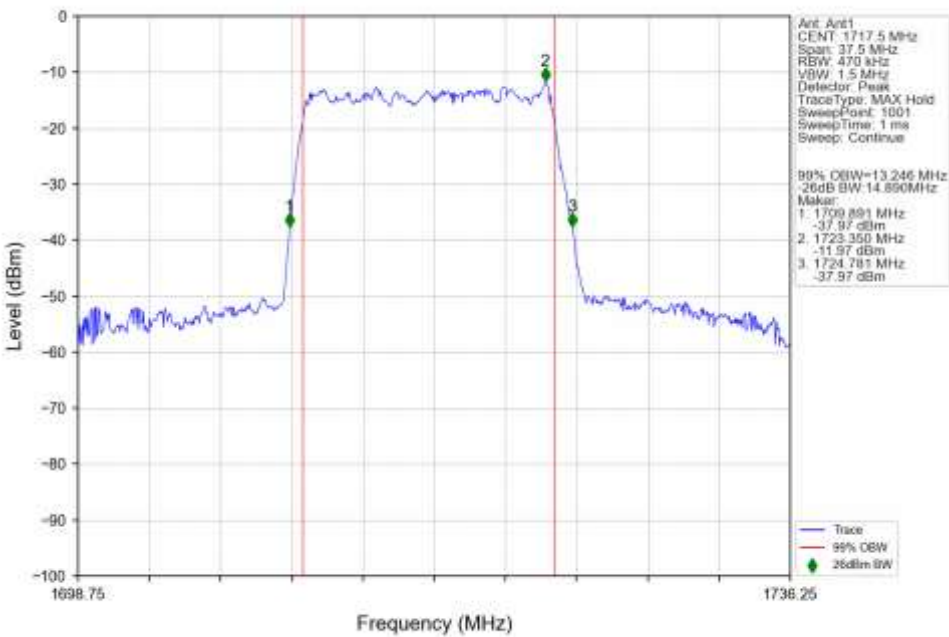
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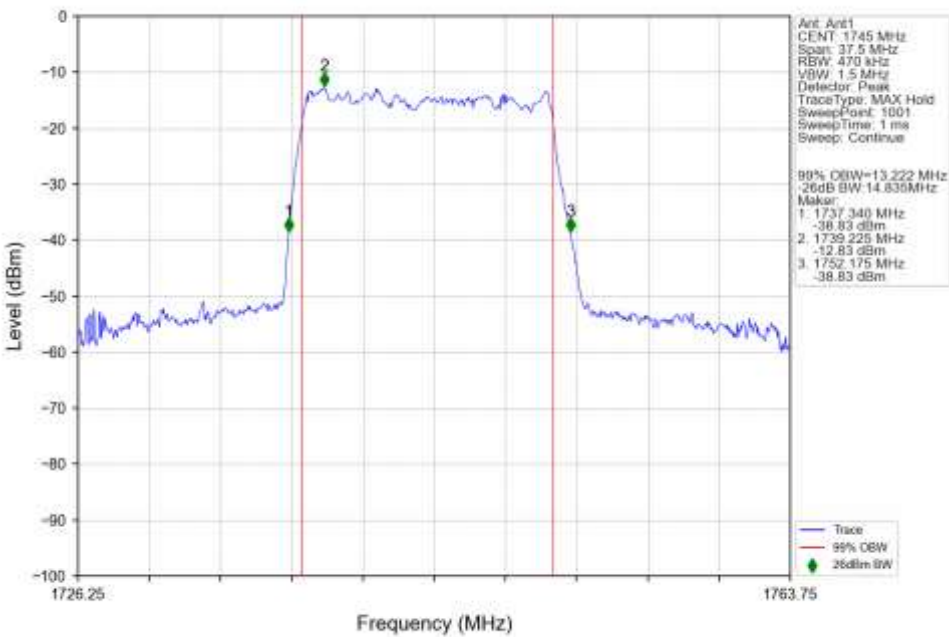
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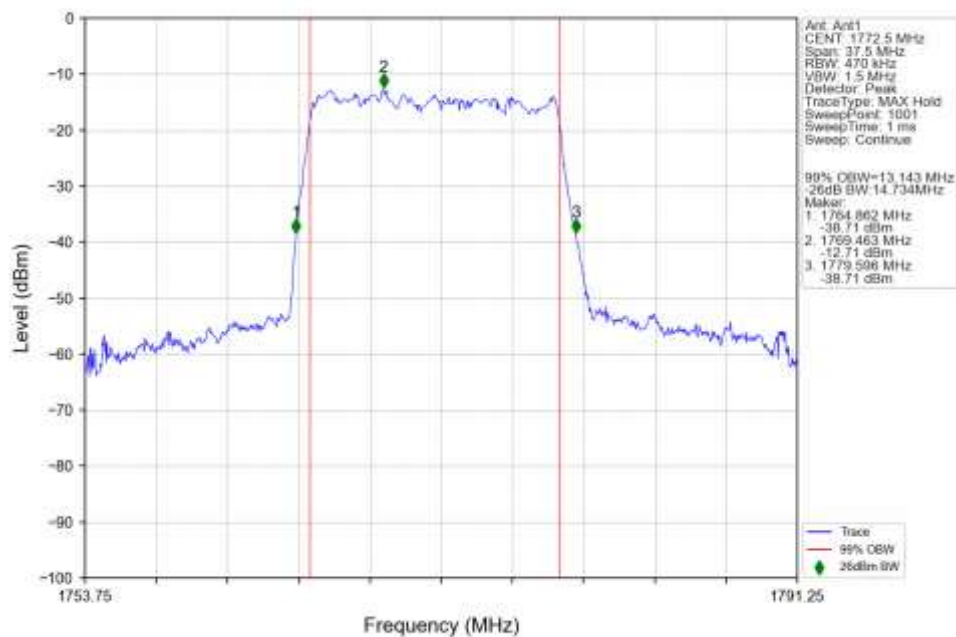
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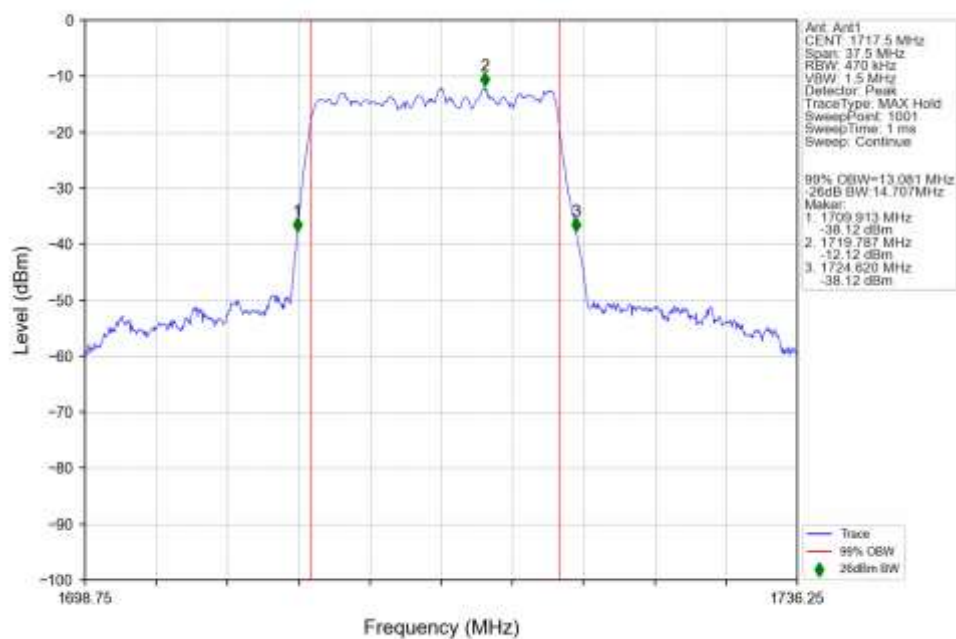
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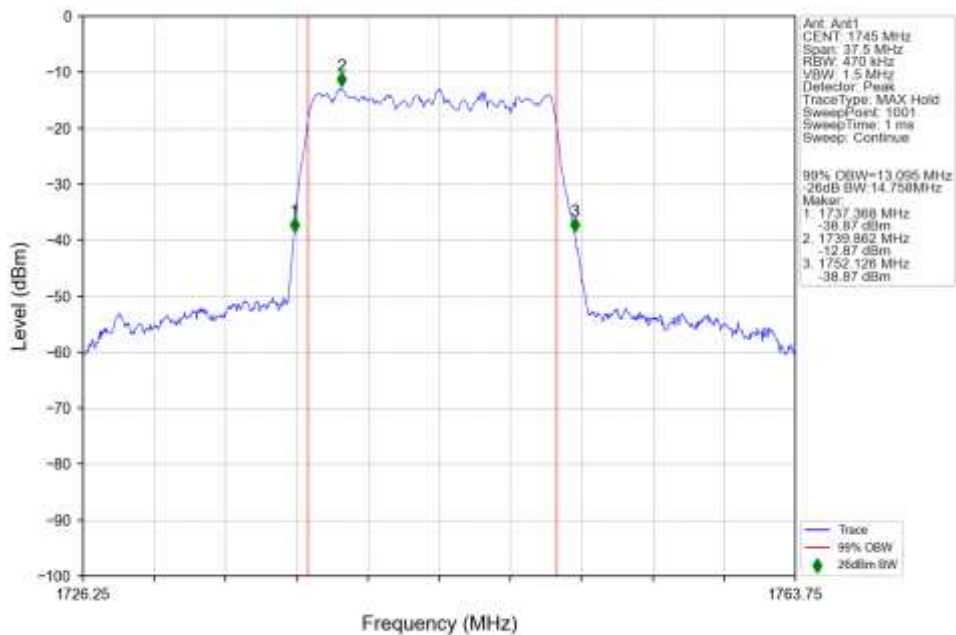
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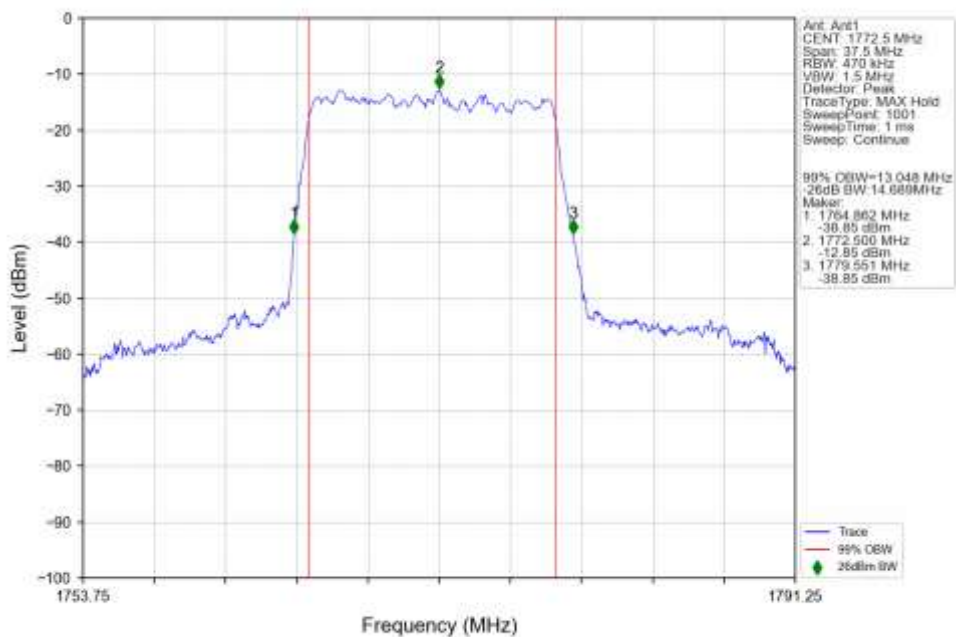
n66_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1717.5MHz_Outer_Full_Ant1



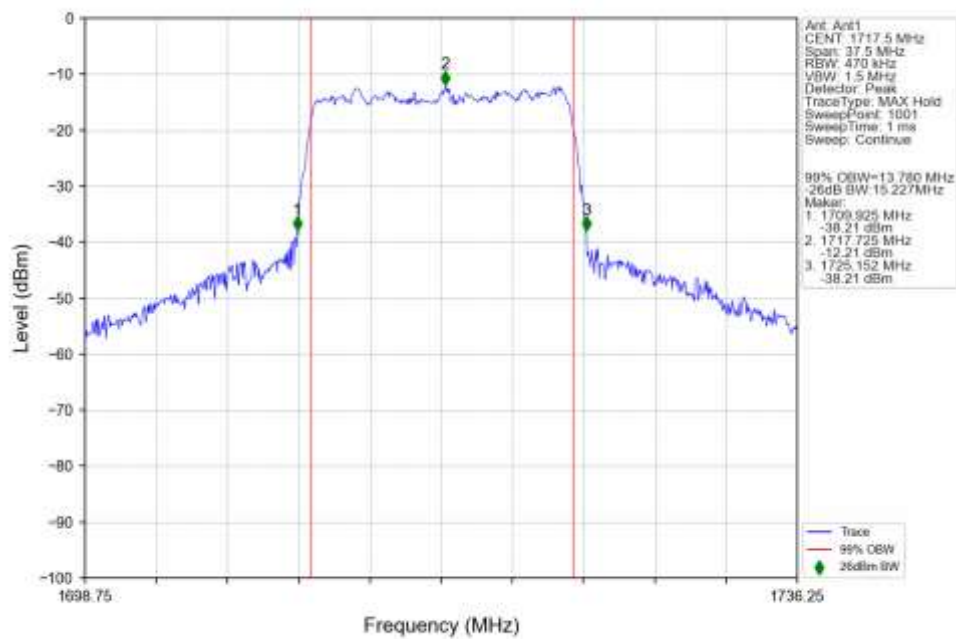
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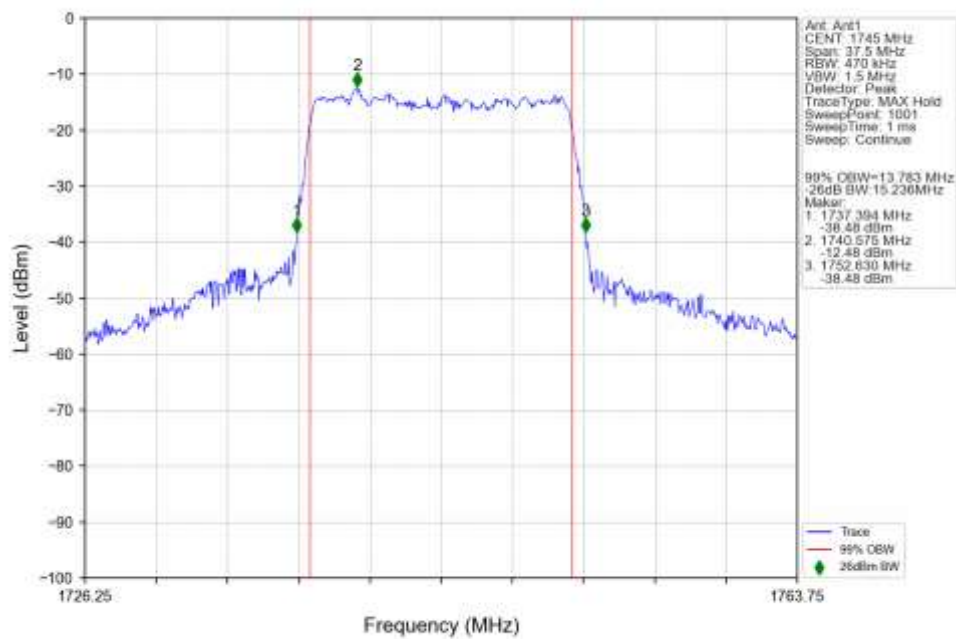
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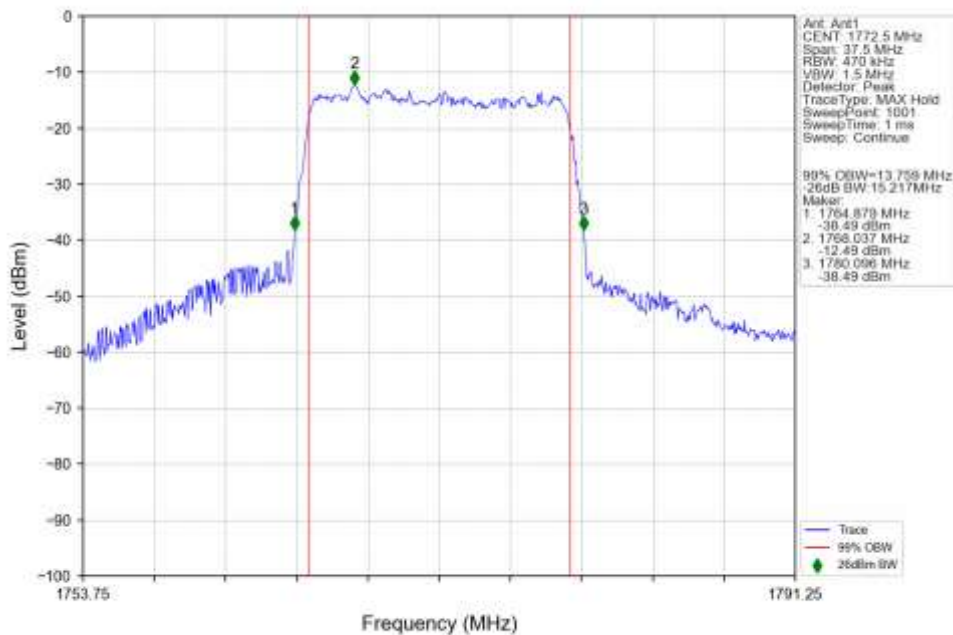
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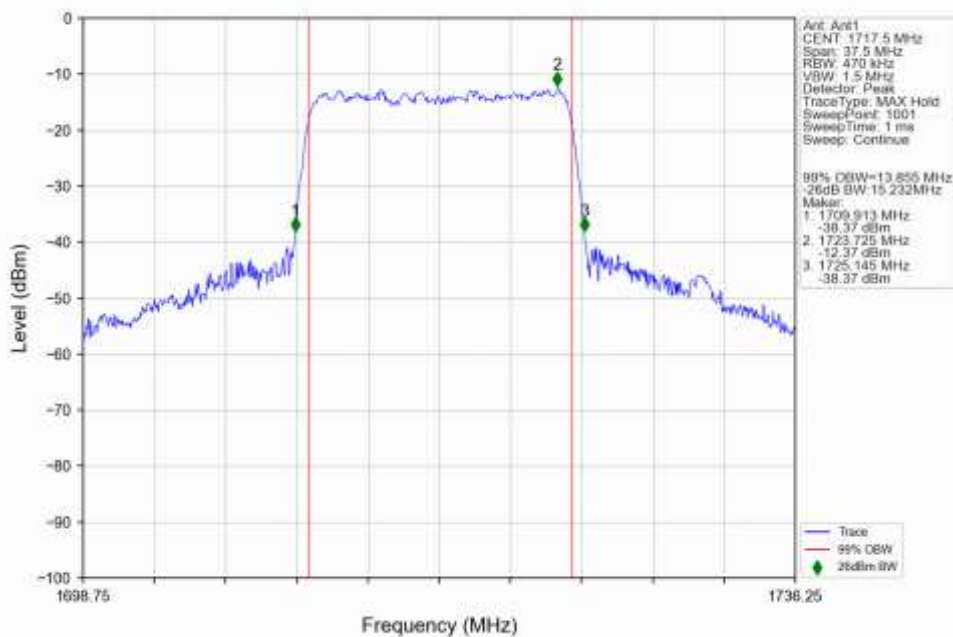
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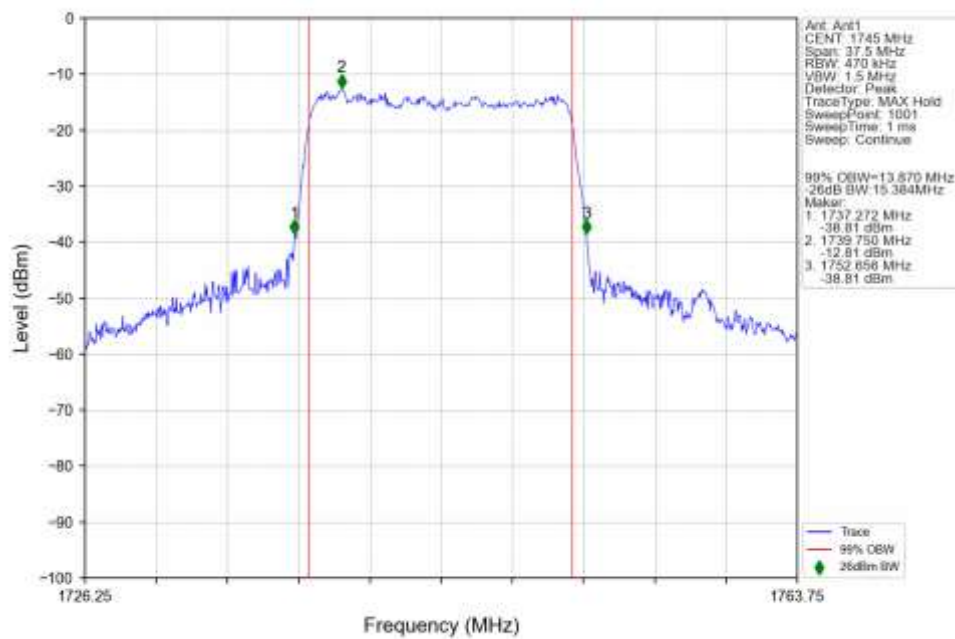
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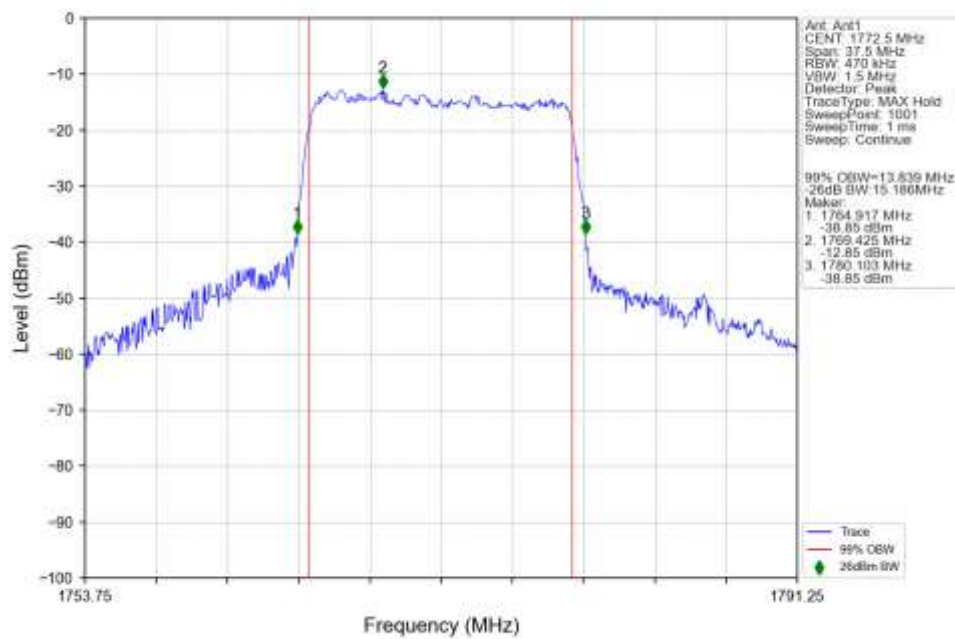
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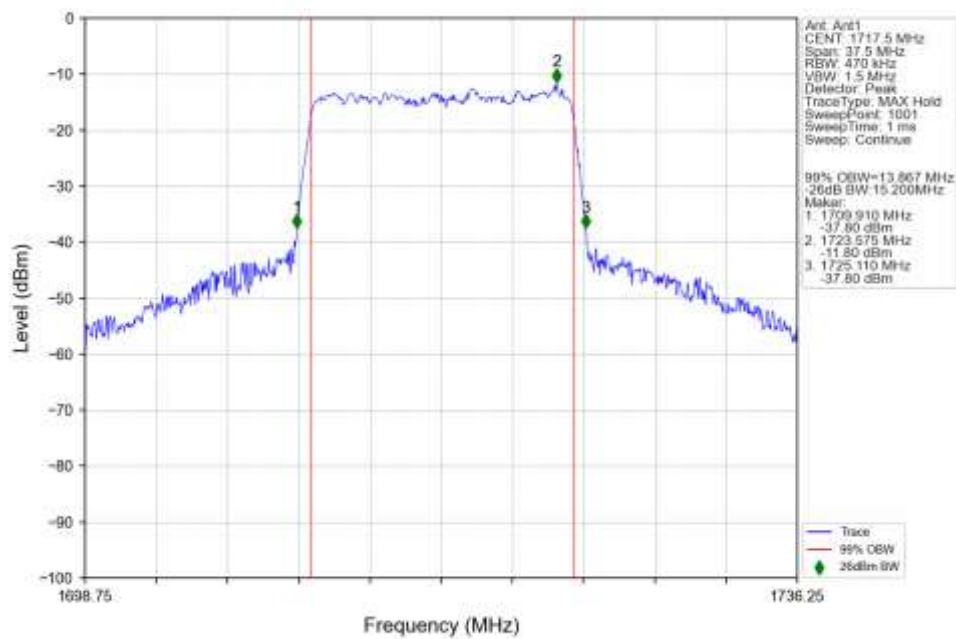
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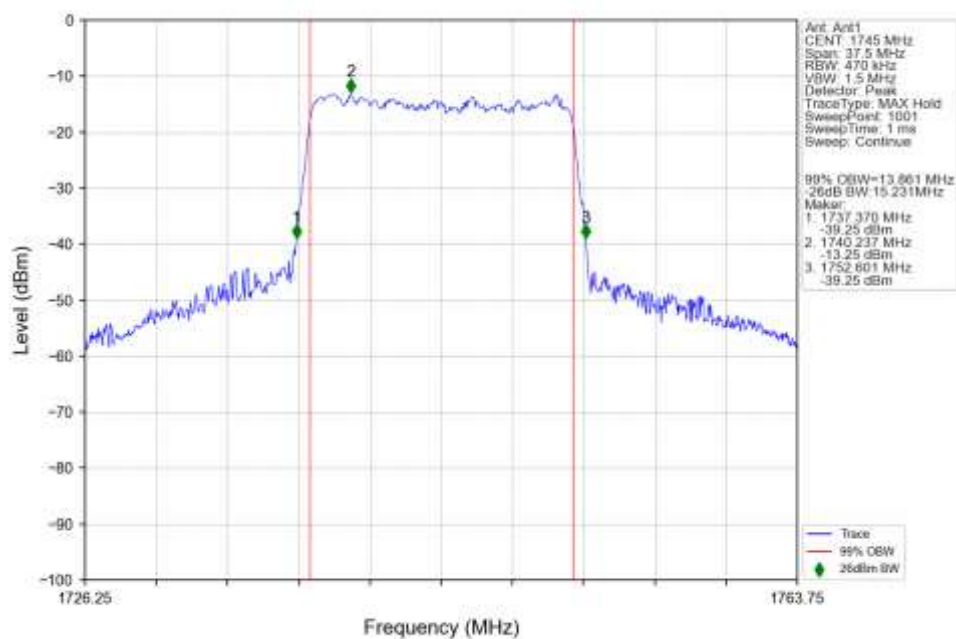
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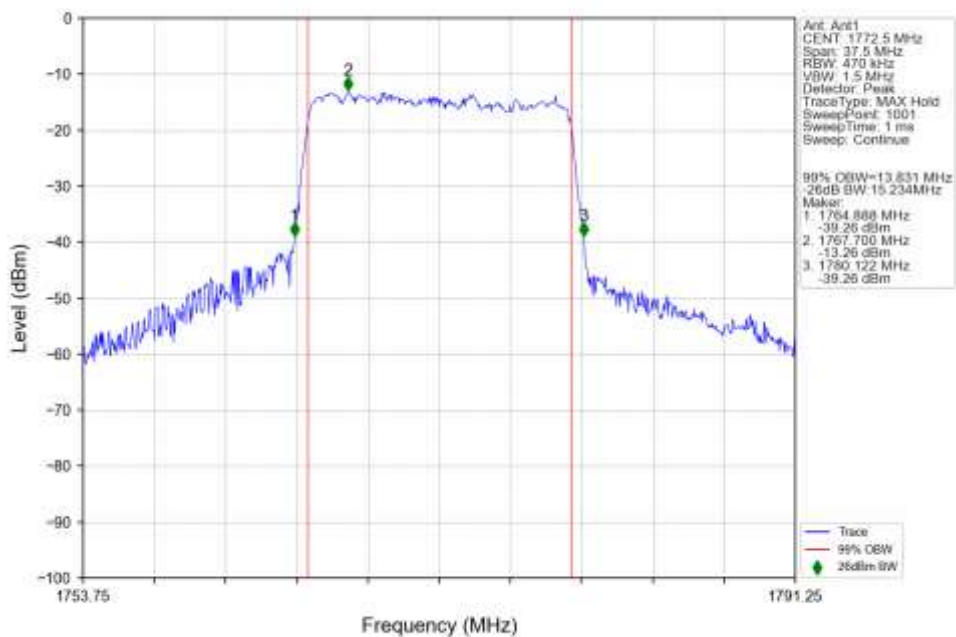
n66_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_1717.5MHz_Outer_Full_Ant1



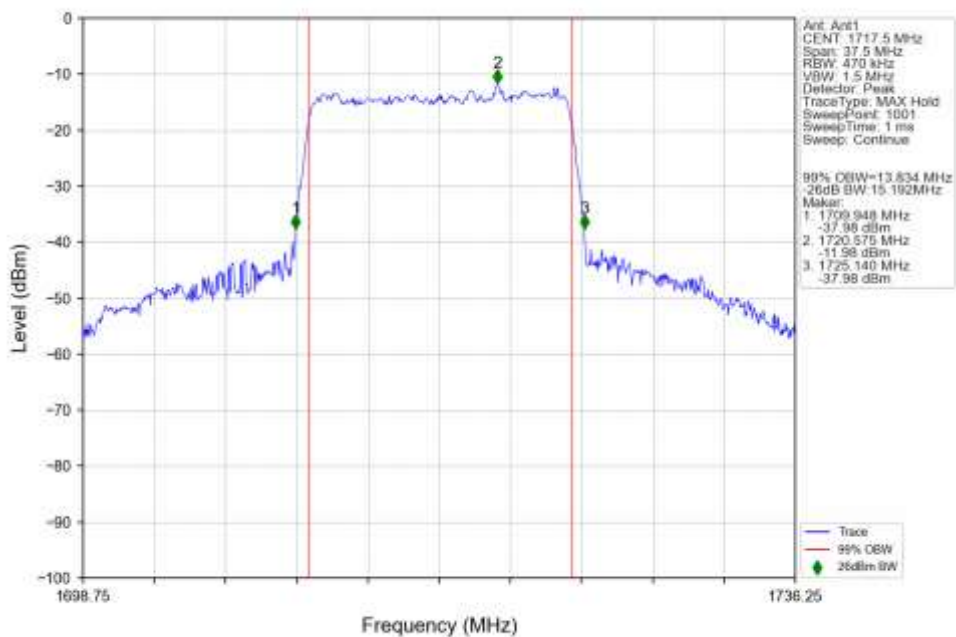
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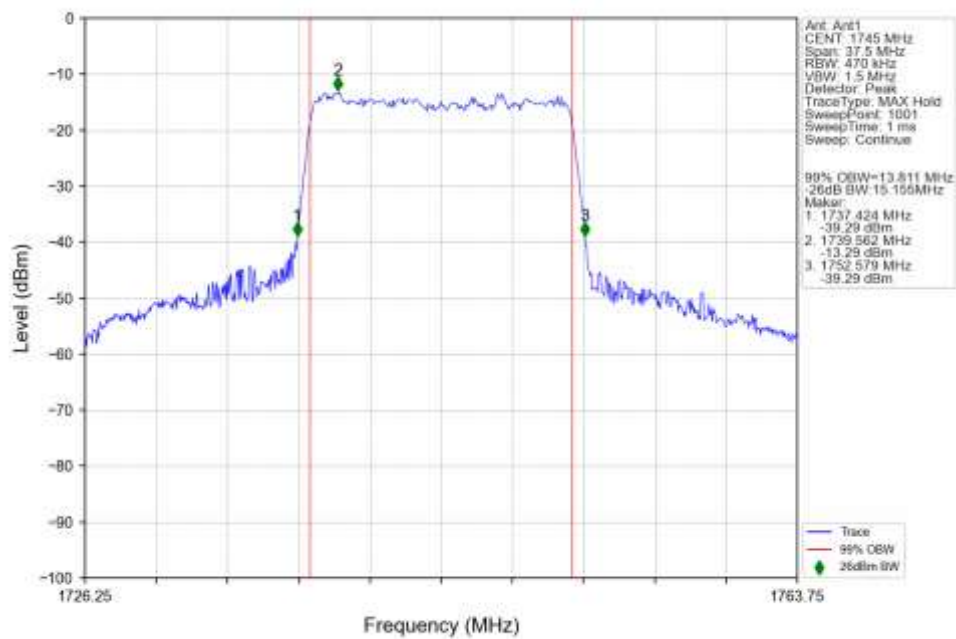
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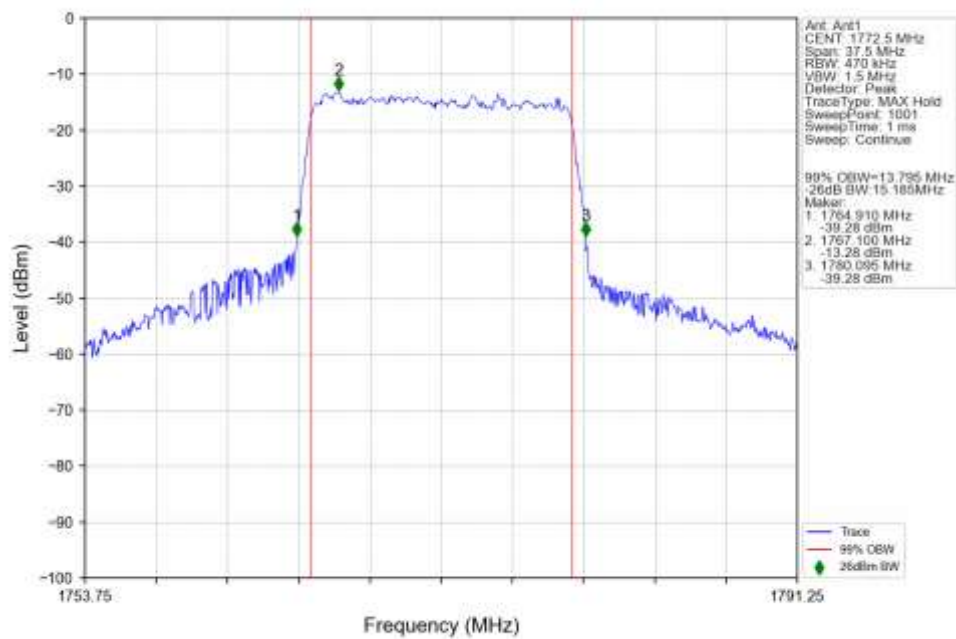
n66_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1717.5MHz_Outer_Full_Ant1



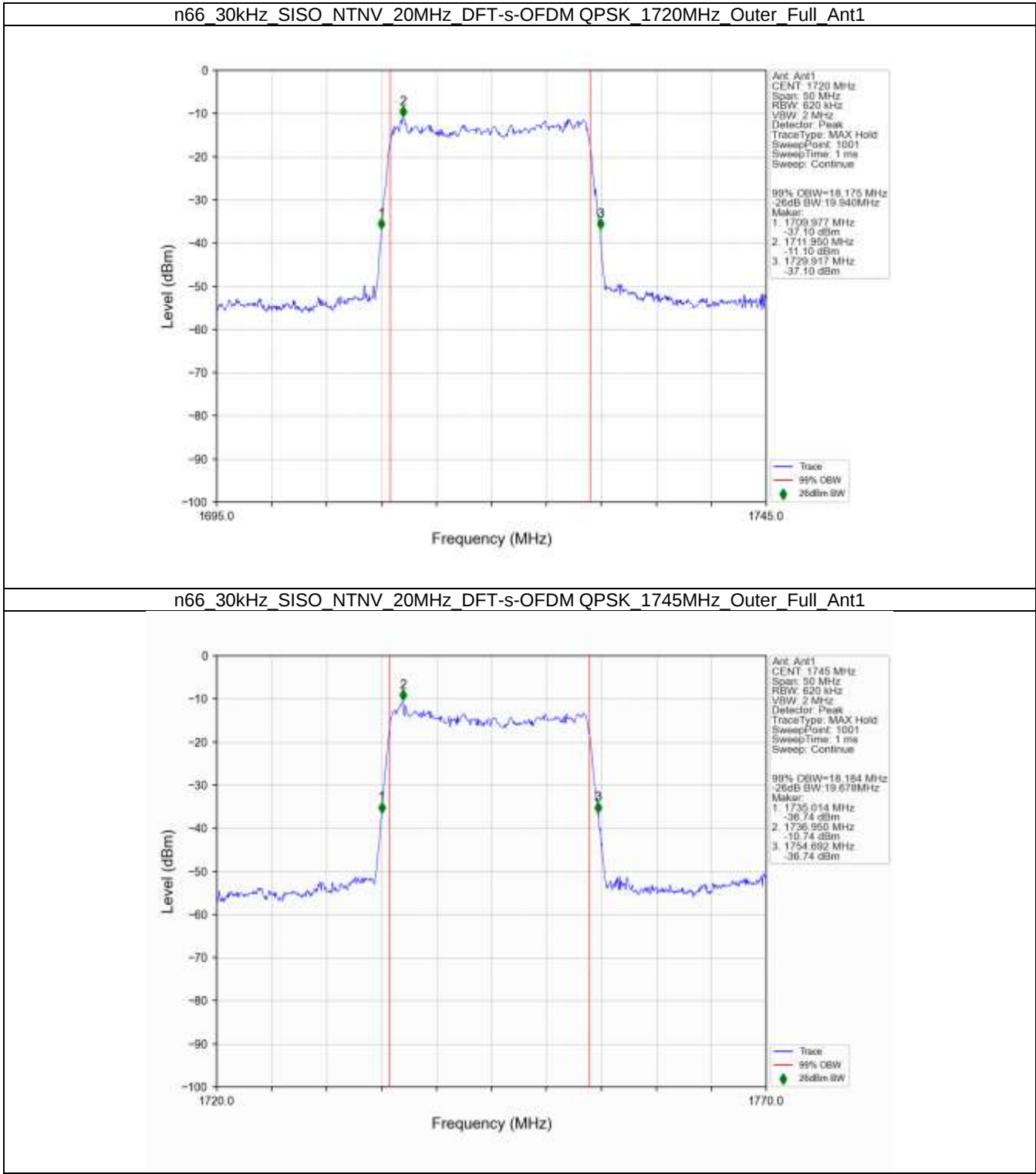
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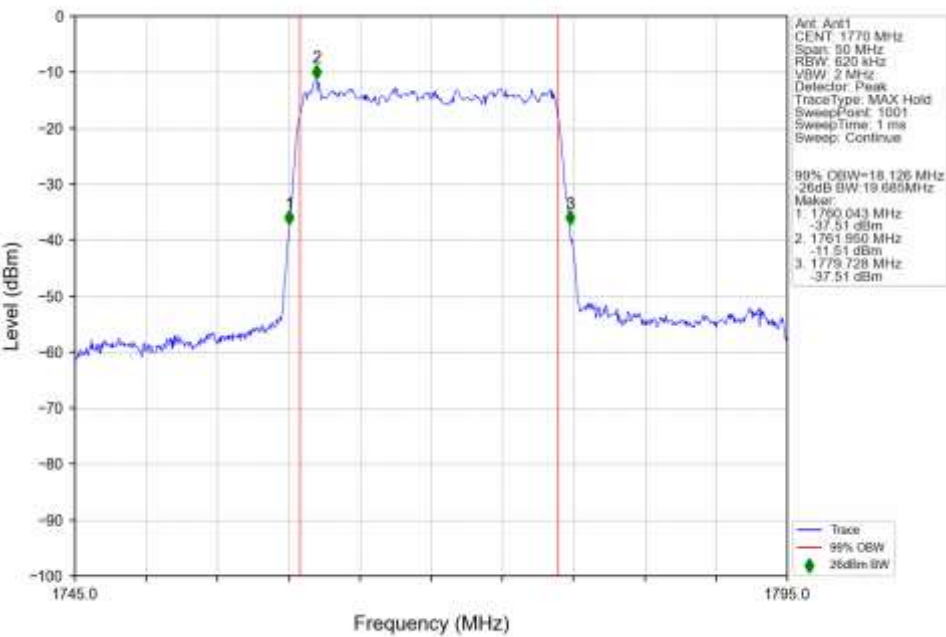
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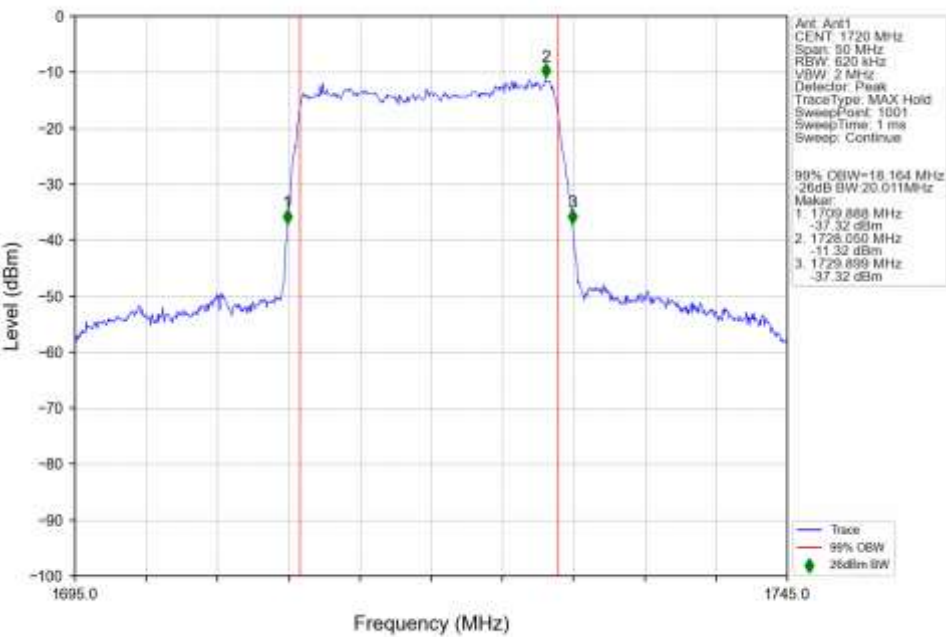
4.2.7 30k_SISO_20MHz_NTNV



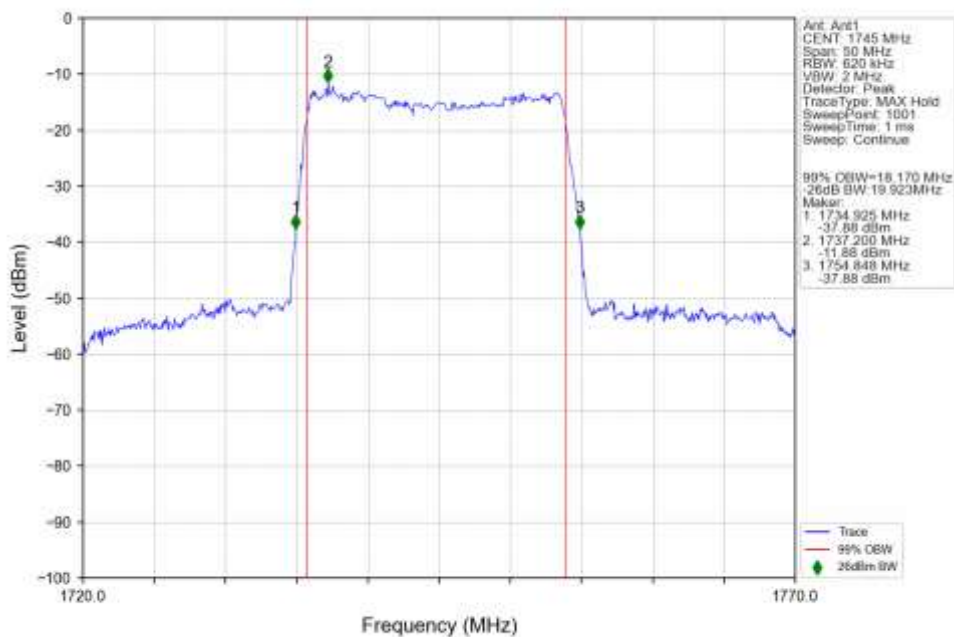
n66_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1770MHz_Outer_Full_Ant1



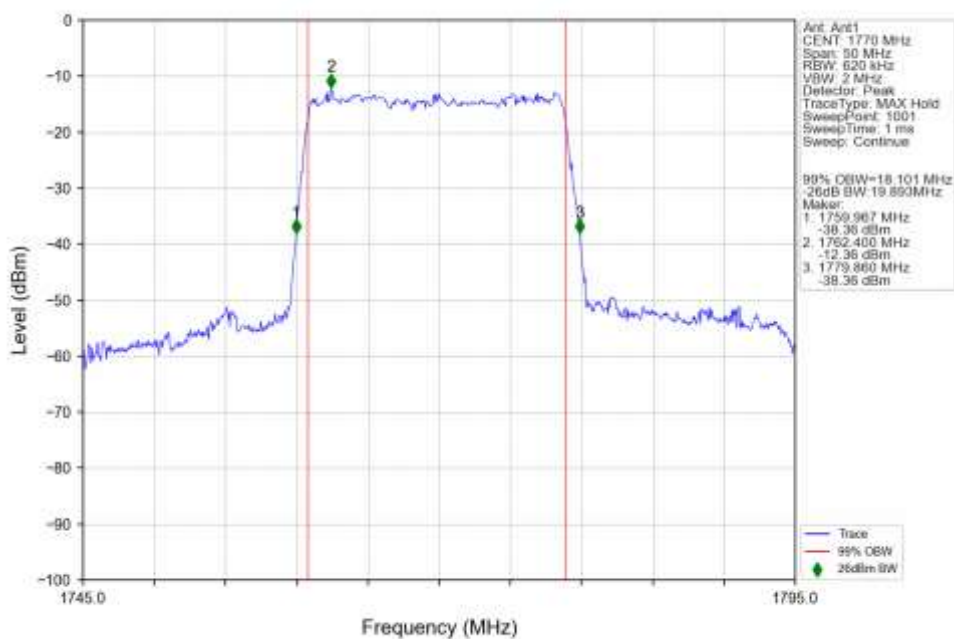
n66_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1720MHz_Outer_Full_Ant1



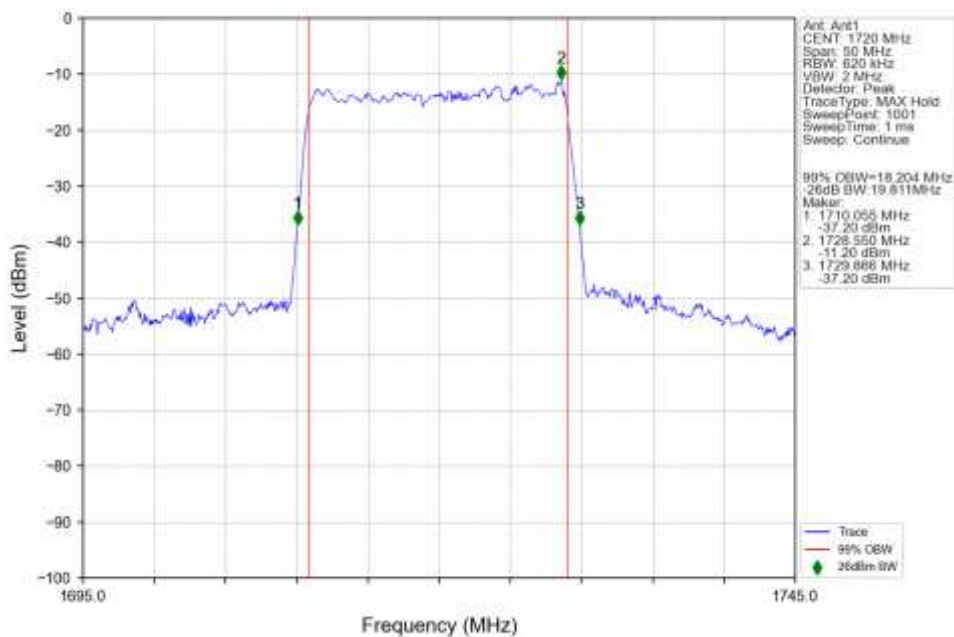
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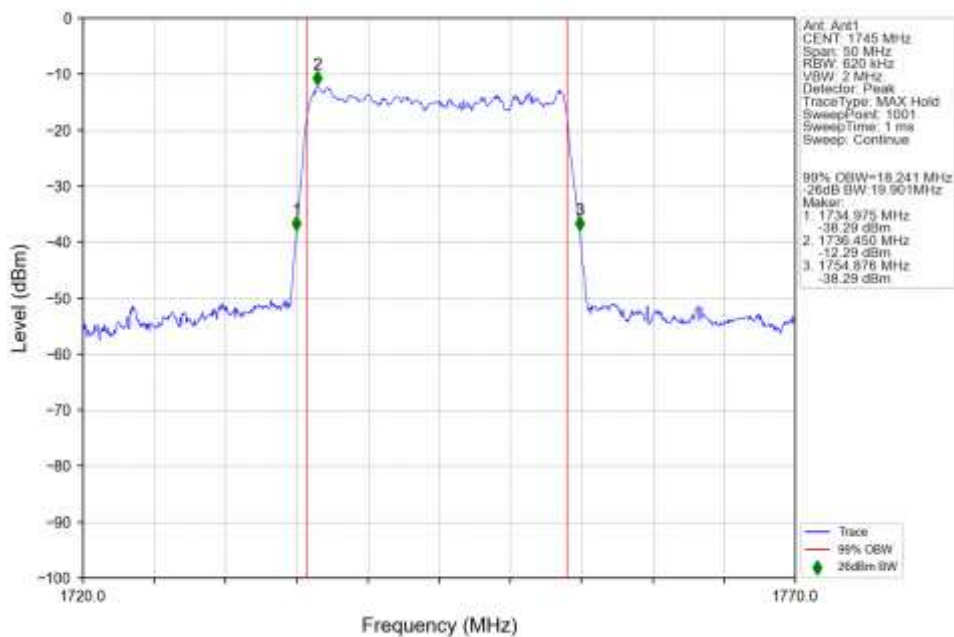
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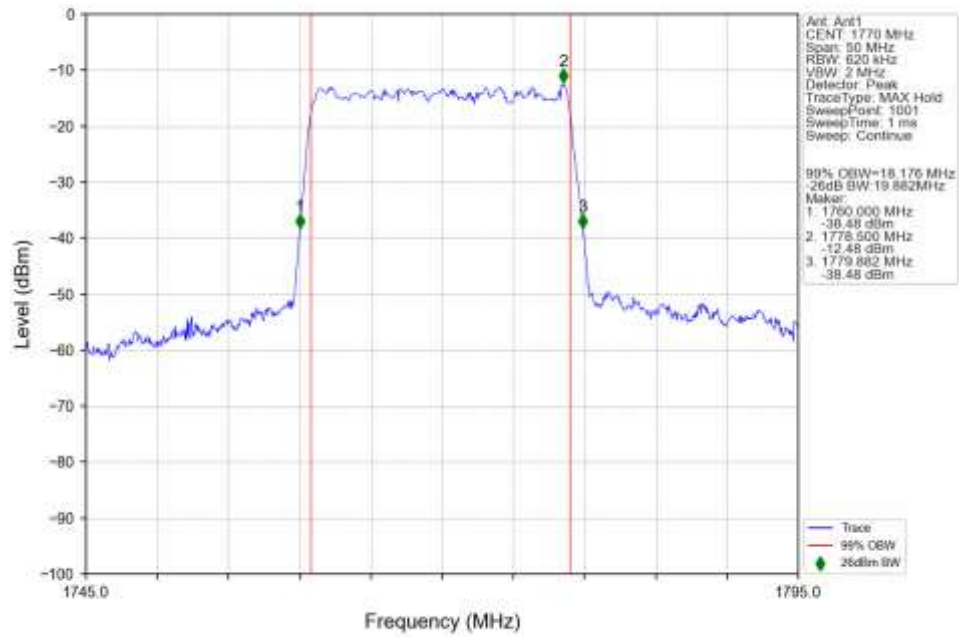
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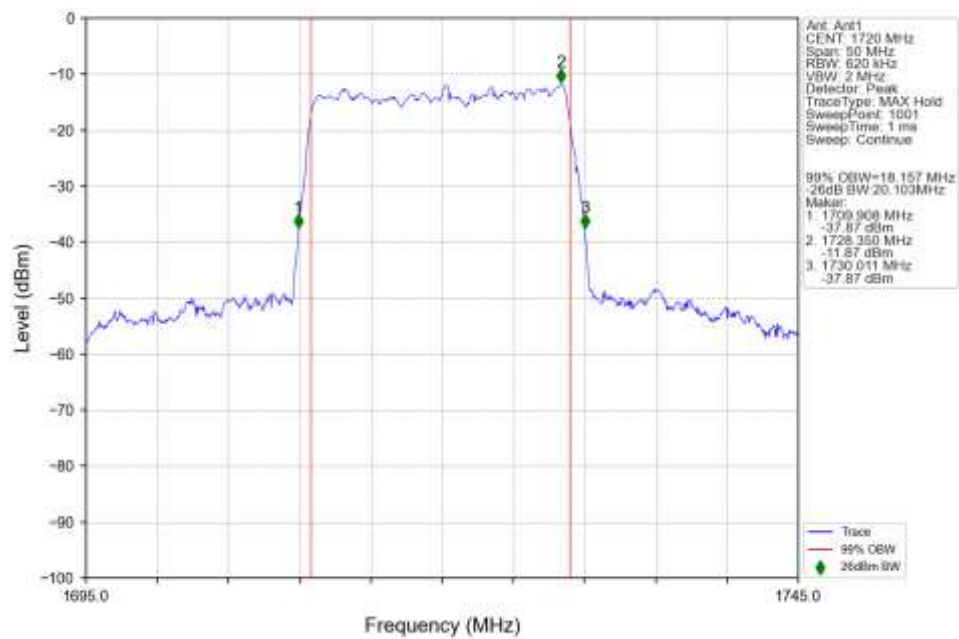
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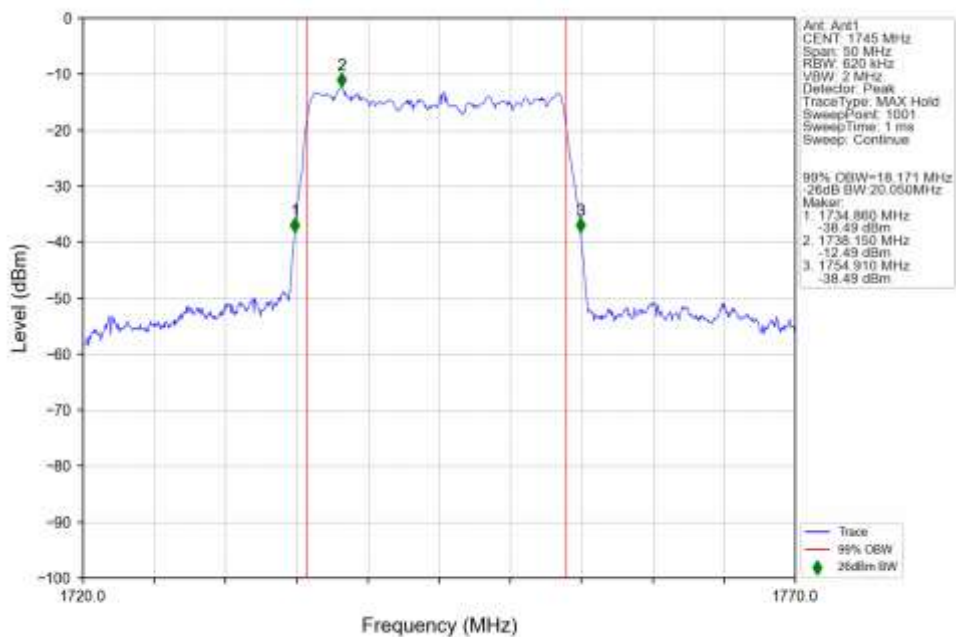
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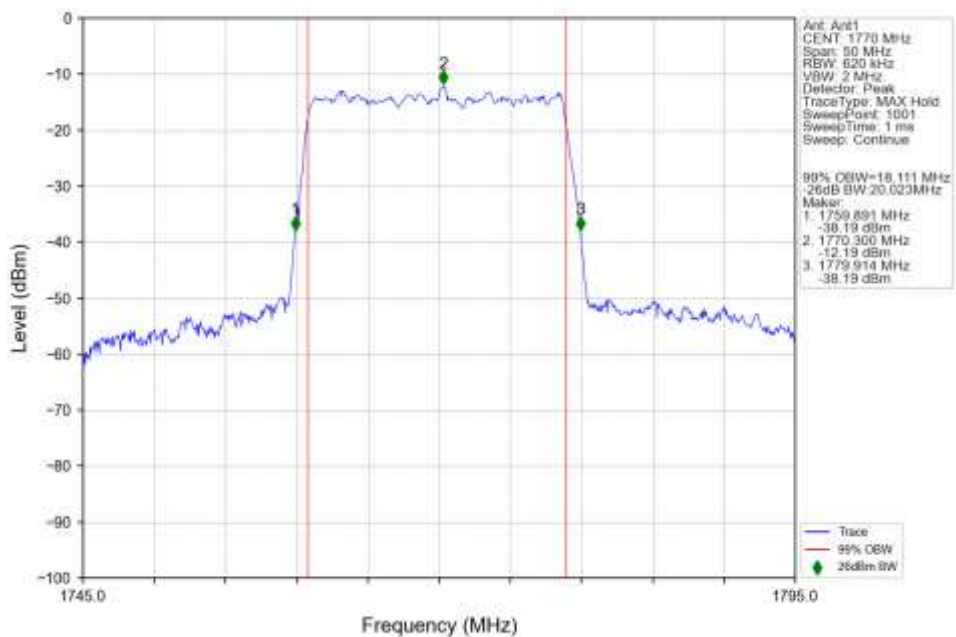
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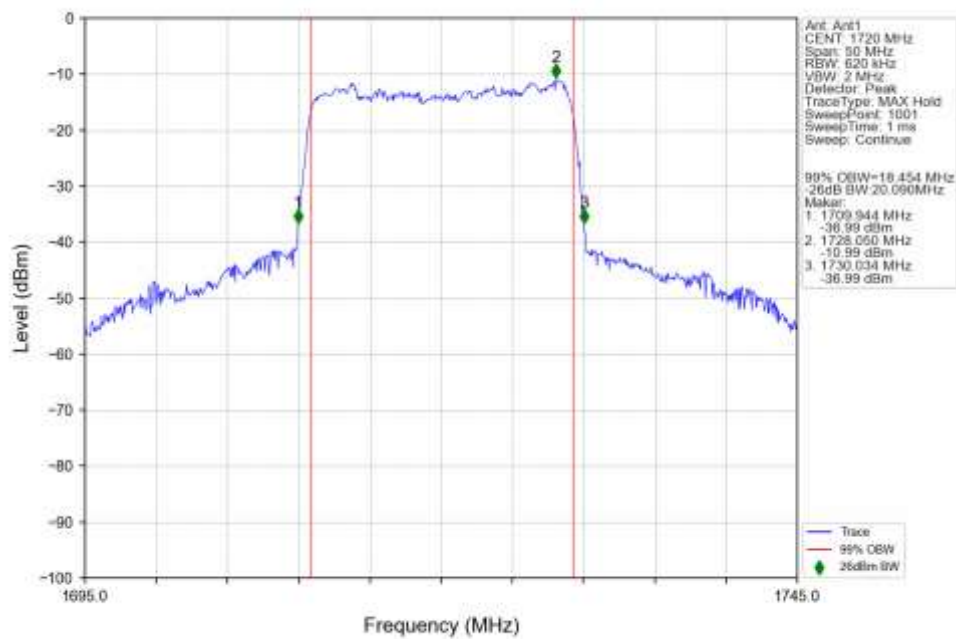
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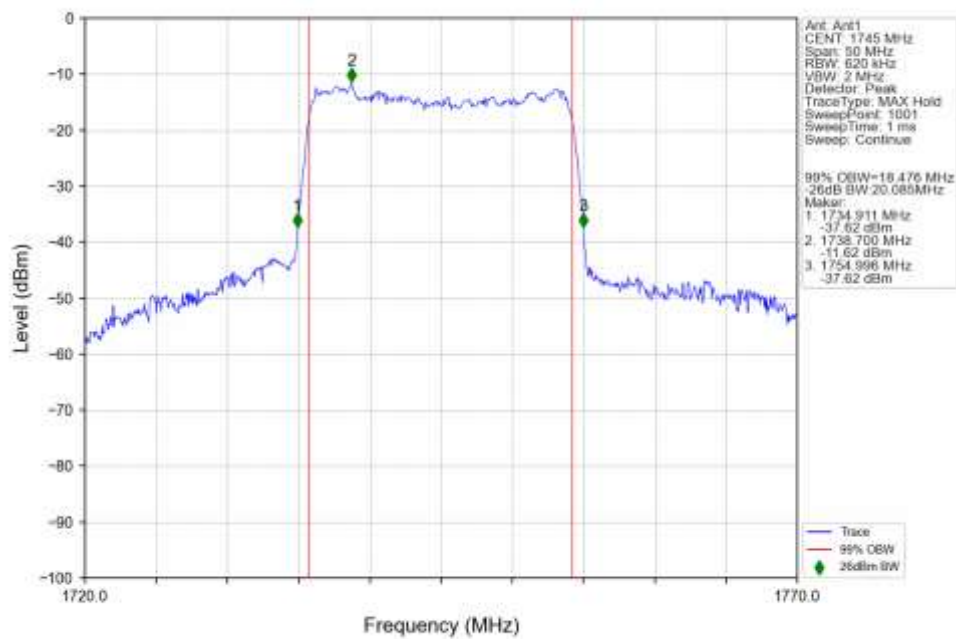
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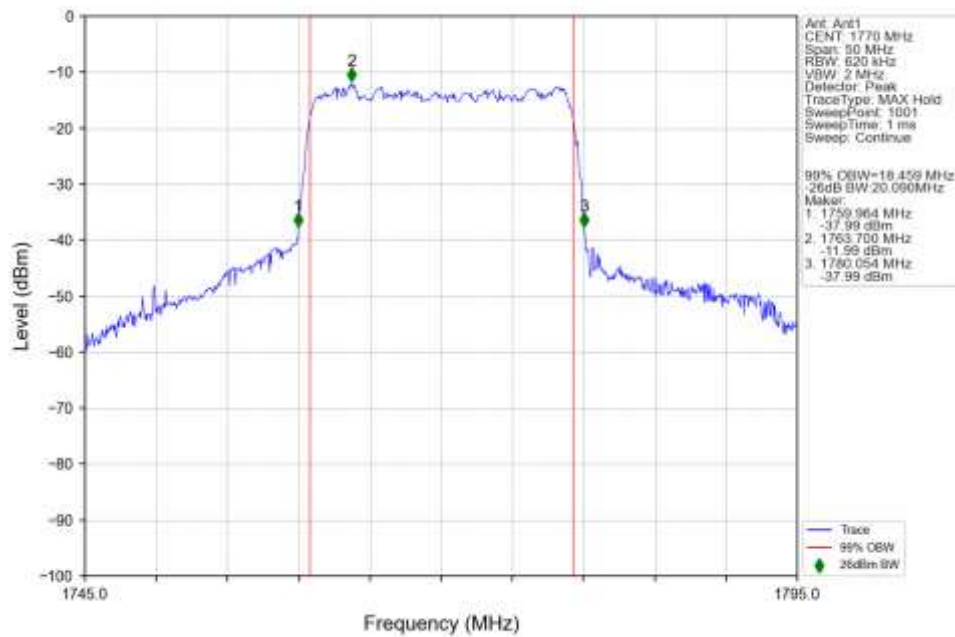
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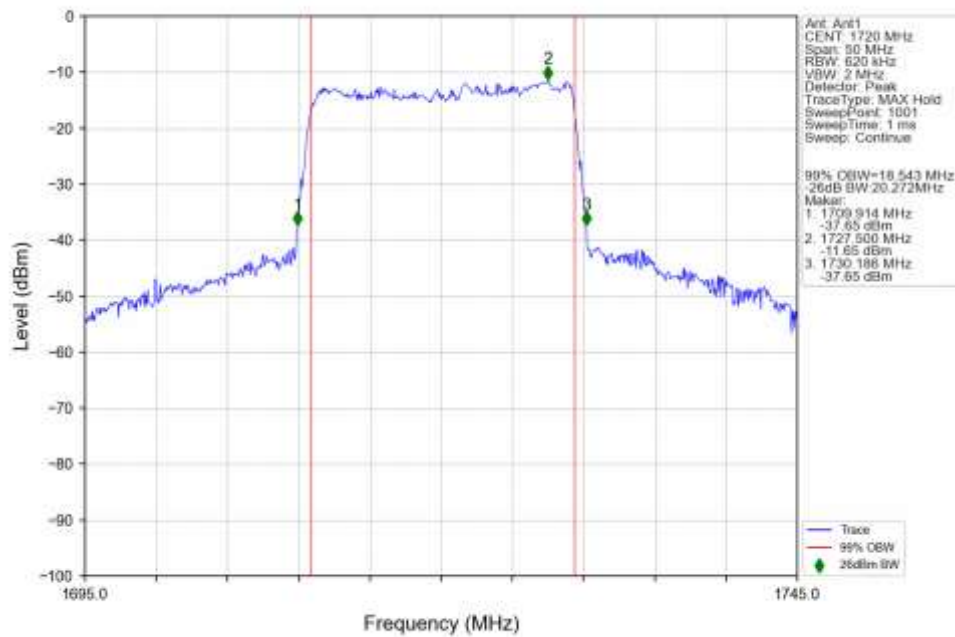
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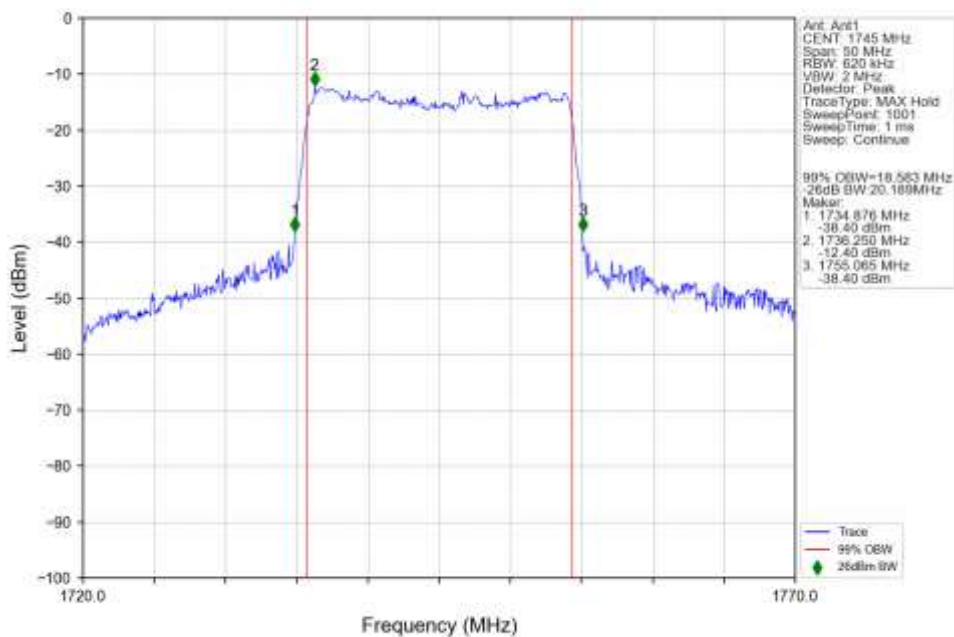
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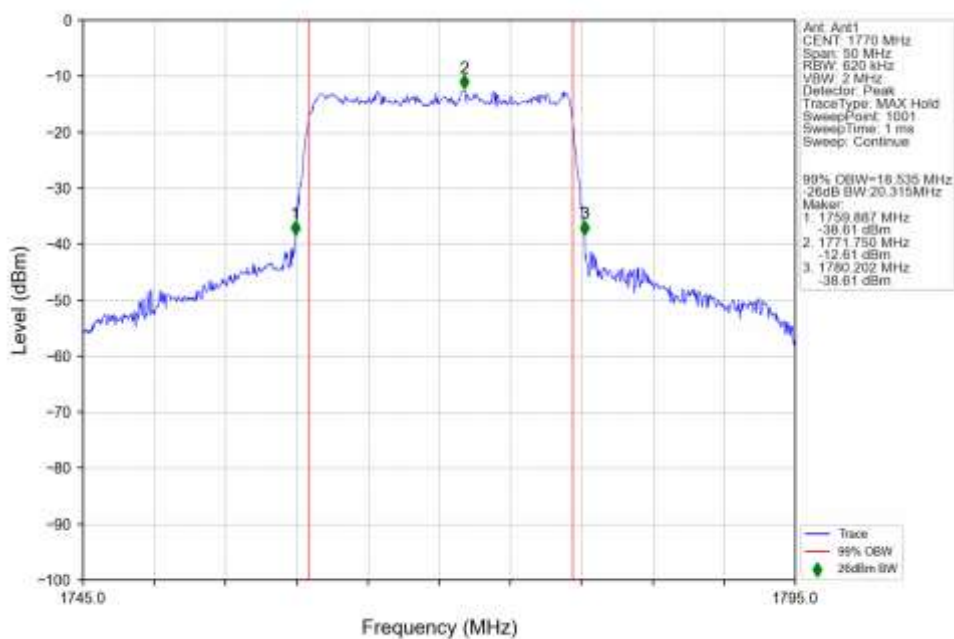
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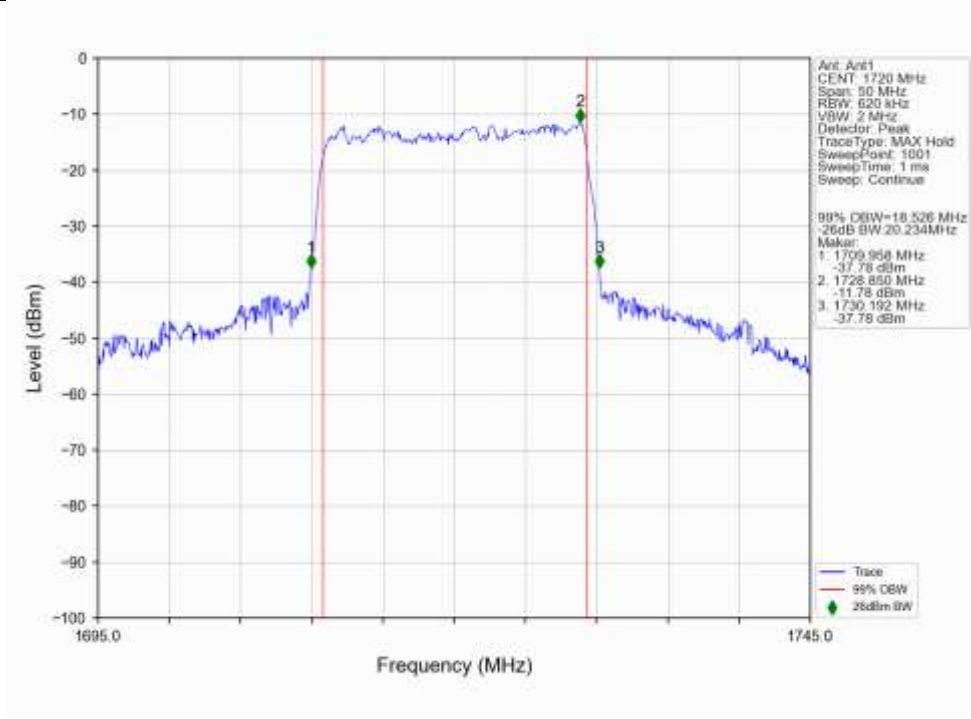
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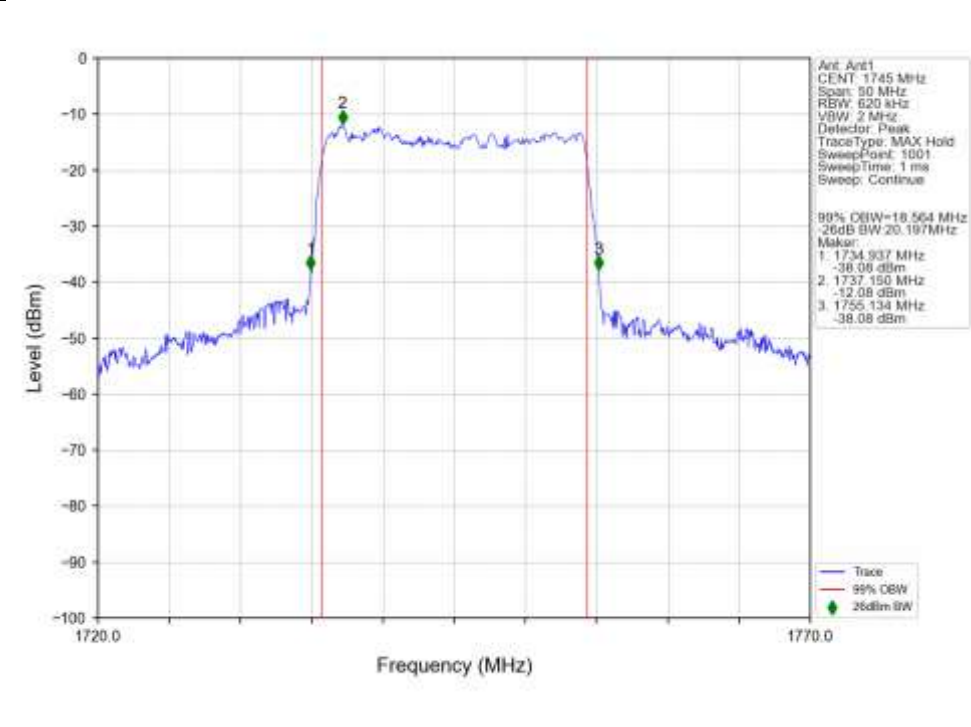
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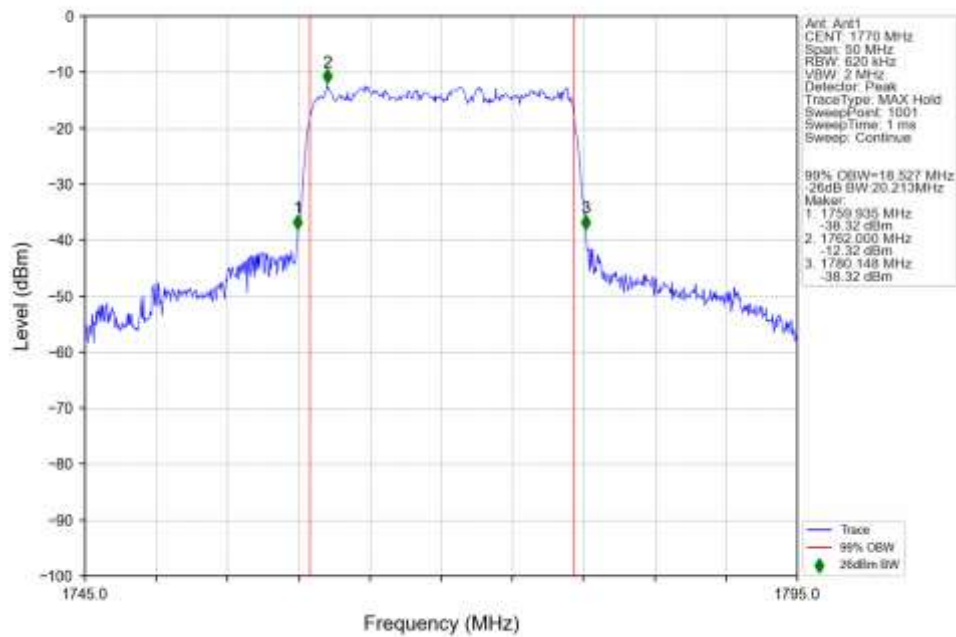
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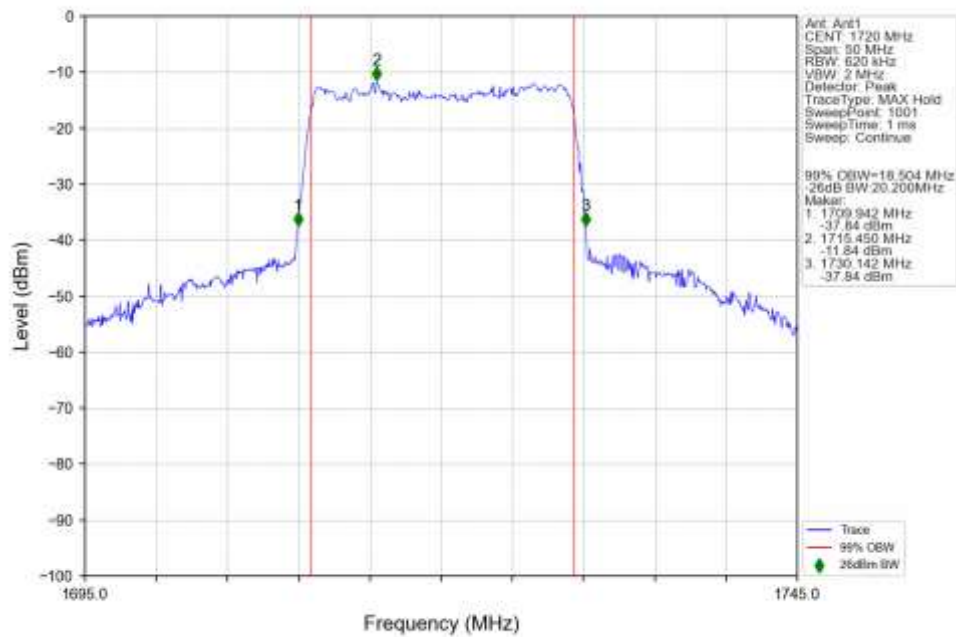
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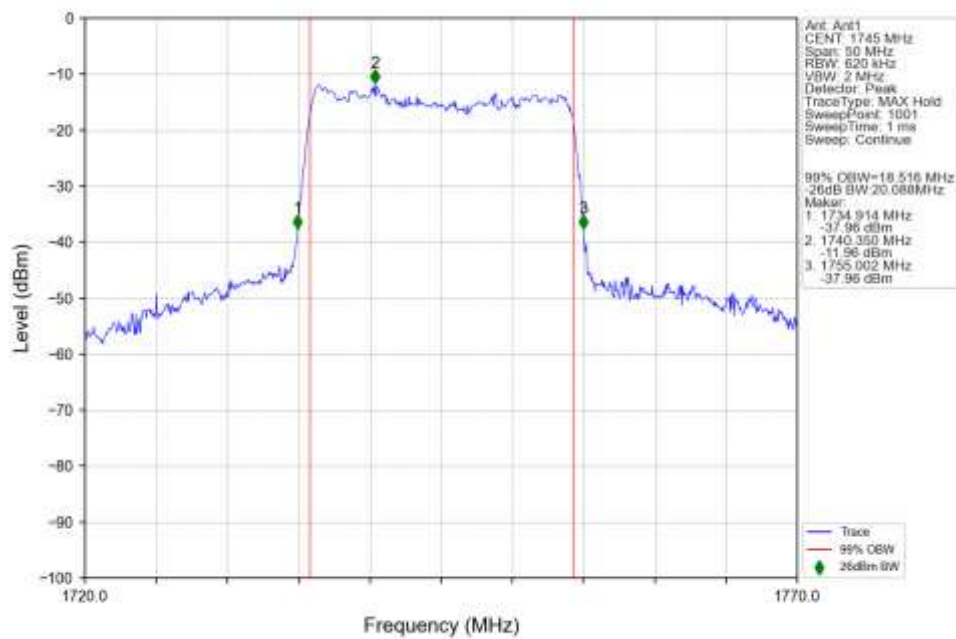
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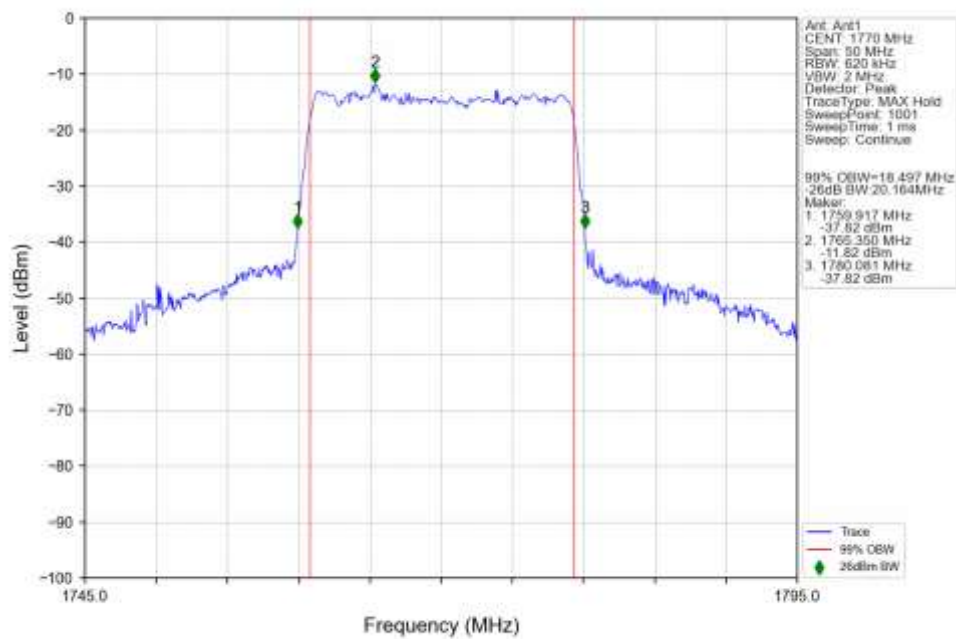
n66_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1720MHz_Outer_Full_Ant1



n66_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1745MHz_Outer_Full_Ant1



n66_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_1770MHz_Outer_Full_Ant1



5. Peak-Average Ratio

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n66 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1712.5	Outer Full	5.78	/	/	<=13	Pass
	1745	Outer Full	5.80	/	/	<=13	Pass
	1777.5	Outer Full	5.86	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1712.5	Outer Full	6.24	/	/	<=13	Pass
	1745	Outer Full	6.28	/	/	<=13	Pass
	1777.5	Outer Full	6.38	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1712.5	Outer Full	6.29	/	/	<=13	Pass
	1745	Outer Full	6.34	/	/	<=13	Pass
	1777.5	Outer Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1712.5	Outer Full	6.49	/	/	<=13	Pass
	1745	Outer Full	6.61	/	/	<=13	Pass
	1777.5	Outer Full	6.61	/	/	<=13	Pass
CP-OFDM QPSK	1712.5	Outer Full	7.85	/	/	<=13	Pass
	1745	Outer Full	7.96	/	/	<=13	Pass
	1777.5	Outer Full	7.97	/	/	<=13	Pass
CP-OFDM 16 QAM	1712.5	Outer Full	7.89	/	/	<=13	Pass
	1745	Outer Full	7.94	/	/	<=13	Pass
	1777.5	Outer Full	7.97	/	/	<=13	Pass
CP-OFDM 64 QAM	1712.5	Outer Full	8.03	/	/	<=13	Pass
	1745	Outer Full	8.14	/	/	<=13	Pass
	1777.5	Outer Full	8.17	/	/	<=13	Pass
CP-OFDM 256 QAM	1712.5	Outer Full	7.89	/	/	<=13	Pass
	1745	Outer Full	8.03	/	/	<=13	Pass
	1777.5	Outer Full	7.98	/	/	<=13	Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n66 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1715	Outer Full	5.63	/	/	<=13	Pass
	1745	Outer Full	5.63	/	/	<=13	Pass
	1775	Outer Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1715	Outer Full	6.34	/	/	<=13	Pass
	1745	Outer Full	6.38	/	/	<=13	Pass
	1775	Outer Full	6.33	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1715	Outer Full	6.41	/	/	<=13	Pass
	1745	Outer Full	6.43	/	/	<=13	Pass
	1775	Outer Full	6.39	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1715	Outer Full	6.32	/	/	<=13	Pass
	1745	Outer Full	6.36	/	/	<=13	Pass
	1775	Outer Full	6.31	/	/	<=13	Pass
CP-OFDM QPSK	1715	Outer Full	8.01	/	/	<=13	Pass
	1745	Outer Full	8.04	/	/	<=13	Pass

	1775	Outer Full	7.93	/	/	<=13	Pass
CP-OFDM 16 QAM	1715	Outer Full	8.20	/	/	<=13	Pass
	1745	Outer Full	8.24	/	/	<=13	Pass
	1775	Outer Full	8.13	/	/	<=13	Pass
CP-OFDM 64 QAM	1715	Outer Full	8.03	/	/	<=13	Pass
	1745	Outer Full	8.05	/	/	<=13	Pass
	1775	Outer Full	7.97	/	/	<=13	Pass
CP-OFDM 256 QAM	1715	Outer Full	7.91	/	/	<=13	Pass
	1745	Outer Full	7.96	/	/	<=13	Pass
	1775	Outer Full	7.84	/	/	<=13	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n66 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1717.5	Outer Full	5.64	/	/	<=13	Pass
	1745	Outer Full	5.72	/	/	<=13	Pass
	1772.5	Outer Full	5.51	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1717.5	Outer Full	6.23	/	/	<=13	Pass
	1745	Outer Full	6.29	/	/	<=13	Pass
	1772.5	Outer Full	6.12	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1717.5	Outer Full	6.35	/	/	<=13	Pass
	1745	Outer Full	6.36	/	/	<=13	Pass
	1772.5	Outer Full	6.19	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1717.5	Outer Full	6.30	/	/	<=13	Pass
	1745	Outer Full	6.34	/	/	<=13	Pass
	1772.5	Outer Full	6.18	/	/	<=13	Pass
CP-OFDM QPSK	1717.5	Outer Full	7.79	/	/	<=13	Pass
	1745	Outer Full	7.84	/	/	<=13	Pass
	1772.5	Outer Full	7.59	/	/	<=13	Pass
CP-OFDM 16 QAM	1717.5	Outer Full	7.88	/	/	<=13	Pass
	1745	Outer Full	7.98	/	/	<=13	Pass
	1772.5	Outer Full	7.66	/	/	<=13	Pass
CP-OFDM 64 QAM	1717.5	Outer Full	7.71	/	/	<=13	Pass
	1745	Outer Full	7.80	/	/	<=13	Pass
	1772.5	Outer Full	7.53	/	/	<=13	Pass
CP-OFDM 256 QAM	1717.5	Outer Full	7.82	/	/	<=13	Pass
	1745	Outer Full	7.88	/	/	<=13	Pass
	1772.5	Outer Full	7.60	/	/	<=13	Pass

5.1.4 15k_SISO_20MHz_NTNV

5G NR n66 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1720	Outer Full	5.64	/	/	<=13	Pass
	1745	Outer Full	5.75	/	/	<=13	Pass
	1770	Outer Full	5.48	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1720	Outer Full	6.24	/	/	<=13	Pass
	1745	Outer Full	6.33	/	/	<=13	Pass
	1770	Outer Full	6.07	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1720	Outer Full	6.43	/	/	<=13	Pass
	1745	Outer Full	6.49	/	/	<=13	Pass
	1770	Outer Full	6.21	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	1720	Outer Full	6.35	/	/	<=13	Pass
	1745	Outer Full	6.41	/	/	<=13	Pass
	1770	Outer Full	6.20	/	/	<=13	Pass
CP-OFDM QPSK	1720	Outer Full	7.94	/	/	<=13	Pass
	1745	Outer Full	7.97	/	/	<=13	Pass
	1770	Outer Full	7.67	/	/	<=13	Pass
CP-OFDM 16 QAM	1720	Outer Full	7.92	/	/	<=13	Pass
	1745	Outer Full	7.96	/	/	<=13	Pass
	1770	Outer Full	7.72	/	/	<=13	Pass
CP-OFDM 64 QAM	1720	Outer Full	8.04	/	/	<=13	Pass
	1745	Outer Full	7.99	/	/	<=13	Pass
	1770	Outer Full	7.79	/	/	<=13	Pass
CP-OFDM 256 QAM	1720	Outer Full	7.89	/	/	<=13	Pass
	1745	Outer Full	7.92	/	/	<=13	Pass
	1770	Outer Full	7.64	/	/	<=13	Pass

5.1.5 30k_SISO_10MHz_NTNV

5G NR n66 SCS=30kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1715	Outer Full	5.77	/	/	<=13	Pass
	1745	Outer Full	5.73	/	/	<=13	Pass
	1775	Outer Full	5.69	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1715	Outer Full	6.36	/	/	<=13	Pass
	1745	Outer Full	6.46	/	/	<=13	Pass
	1775	Outer Full	6.38	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1715	Outer Full	6.51	/	/	<=13	Pass
	1745	Outer Full	6.49	/	/	<=13	Pass
	1775	Outer Full	6.43	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1715	Outer Full	6.57	/	/	<=13	Pass
	1745	Outer Full	6.60	/	/	<=13	Pass
	1775	Outer Full	6.55	/	/	<=13	Pass
CP-OFDM QPSK	1715	Outer Full	8.09	/	/	<=13	Pass
	1745	Outer Full	8.20	/	/	<=13	Pass
	1775	Outer Full	8.02	/	/	<=13	Pass
CP-OFDM 16 QAM	1715	Outer Full	7.84	/	/	<=13	Pass
	1745	Outer Full	7.99	/	/	<=13	Pass
	1775	Outer Full	7.82	/	/	<=13	Pass
CP-OFDM 64 QAM	1715	Outer Full	7.91	/	/	<=13	Pass
	1745	Outer Full	7.99	/	/	<=13	Pass
	1775	Outer Full	7.88	/	/	<=13	Pass
CP-OFDM 256 QAM	1715	Outer Full	7.85	/	/	<=13	Pass
	1745	Outer Full	7.92	/	/	<=13	Pass
	1775	Outer Full	7.75	/	/	<=13	Pass

5.1.6 30k_SISO_15MHz_NTNV

5G NR n66 SCS=30kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1717.5	Outer Full	5.81	/	/	<=13	Pass
	1745	Outer Full	5.90	/	/	<=13	Pass
	1772.5	Outer Full	5.70	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1717.5	Outer Full	6.23	/	/	<=13	Pass

	1745	Outer Full	6.33	/	/	<=13	Pass
	1772.5	Outer Full	6.16	/	/	<=13	Pass
	1717.5	Outer Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1745	Outer Full	6.41	/	/	<=13	Pass
	1772.5	Outer Full	8.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1717.5	Outer Full	6.24	/	/	<=13	Pass
	1745	Outer Full	6.35	/	/	<=13	Pass
	1772.5	Outer Full	6.20	/	/	<=13	Pass
CP-OFDM QPSK	1717.5	Outer Full	7.76	/	/	<=13	Pass
	1745	Outer Full	7.90	/	/	<=13	Pass
	1772.5	Outer Full	7.71	/	/	<=13	Pass
CP-OFDM 16 QAM	1717.5	Outer Full	7.80	/	/	<=13	Pass
	1745	Outer Full	7.98	/	/	<=13	Pass
	1772.5	Outer Full	7.84	/	/	<=13	Pass
CP-OFDM 64 QAM	1717.5	Outer Full	7.76	/	/	<=13	Pass
	1745	Outer Full	7.93	/	/	<=13	Pass
	1772.5	Outer Full	7.76	/	/	<=13	Pass
CP-OFDM 256 QAM	1717.5	Outer Full	7.85	/	/	<=13	Pass
	1745	Outer Full	8.03	/	/	<=13	Pass
	1772.5	Outer Full	7.84	/	/	<=13	Pass

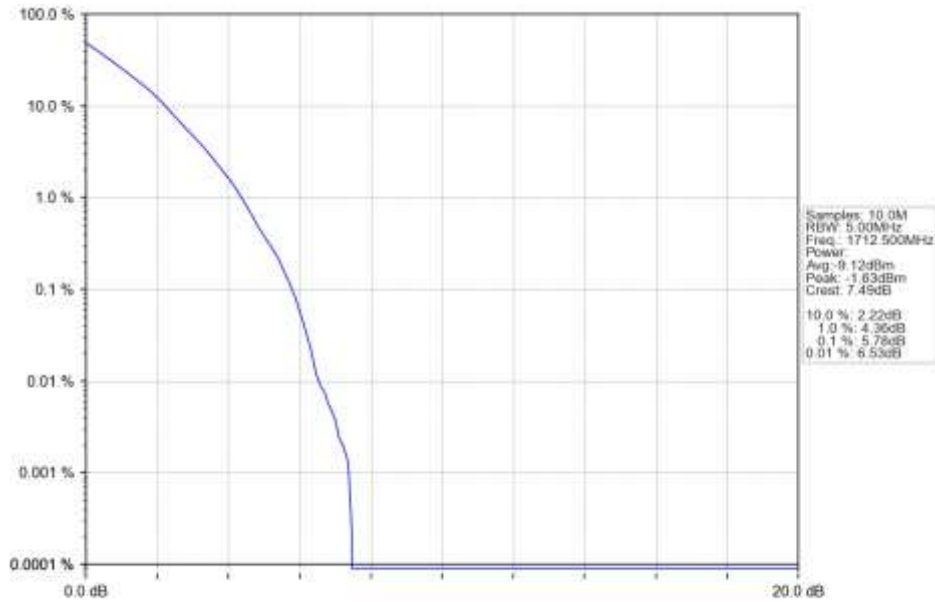
5.1.7 30k_SISO_20MHz_NTNV

5G NR n66 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	1720	Outer Full	5.66	/	/	<=13	Pass
	1745	Outer Full	5.80	/	/	<=13	Pass
	1770	Outer Full	5.55	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1720	Outer Full	6.35	/	/	<=13	Pass
	1745	Outer Full	6.47	/	/	<=13	Pass
	1770	Outer Full	6.19	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1720	Outer Full	6.41	/	/	<=13	Pass
	1745	Outer Full	6.49	/	/	<=13	Pass
	1770	Outer Full	6.25	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1720	Outer Full	6.31	/	/	<=13	Pass
	1745	Outer Full	6.40	/	/	<=13	Pass
	1770	Outer Full	6.22	/	/	<=13	Pass
CP-OFDM QPSK	1720	Outer Full	7.98	/	/	<=13	Pass
	1745	Outer Full	8.08	/	/	<=13	Pass
	1770	Outer Full	7.71	/	/	<=13	Pass
CP-OFDM 16 QAM	1720	Outer Full	7.92	/	/	<=13	Pass
	1745	Outer Full	8.04	/	/	<=13	Pass
	1770	Outer Full	7.77	/	/	<=13	Pass
CP-OFDM 64 QAM	1720	Outer Full	7.89	/	/	<=13	Pass
	1745	Outer Full	7.96	/	/	<=13	Pass
	1770	Outer Full	7.78	/	/	<=13	Pass
CP-OFDM 256 QAM	1720	Outer Full	8.02	/	/	<=13	Pass
	1745	Outer Full	8.15	/	/	<=13	Pass
	1770	Outer Full	7.84	/	/	<=13	Pass

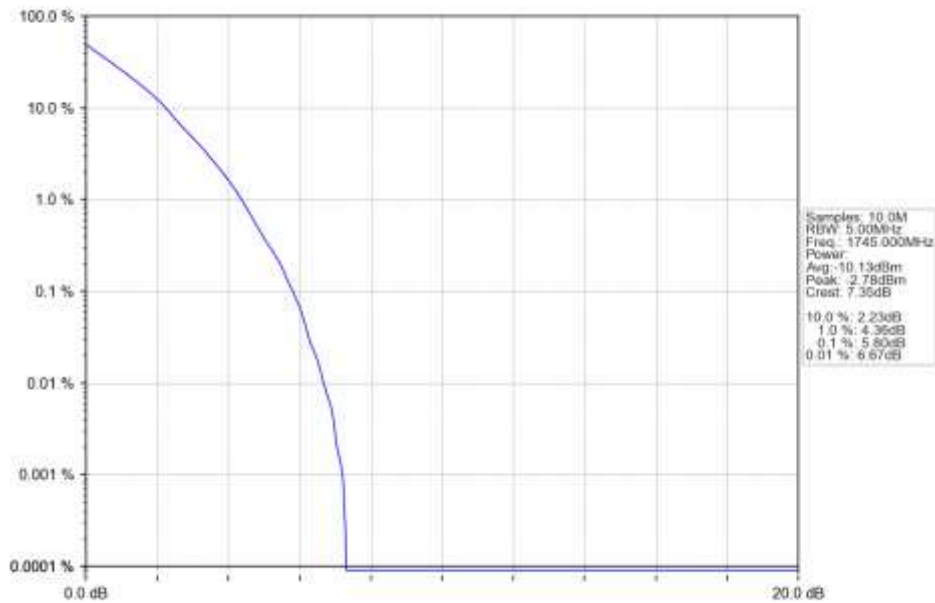
5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

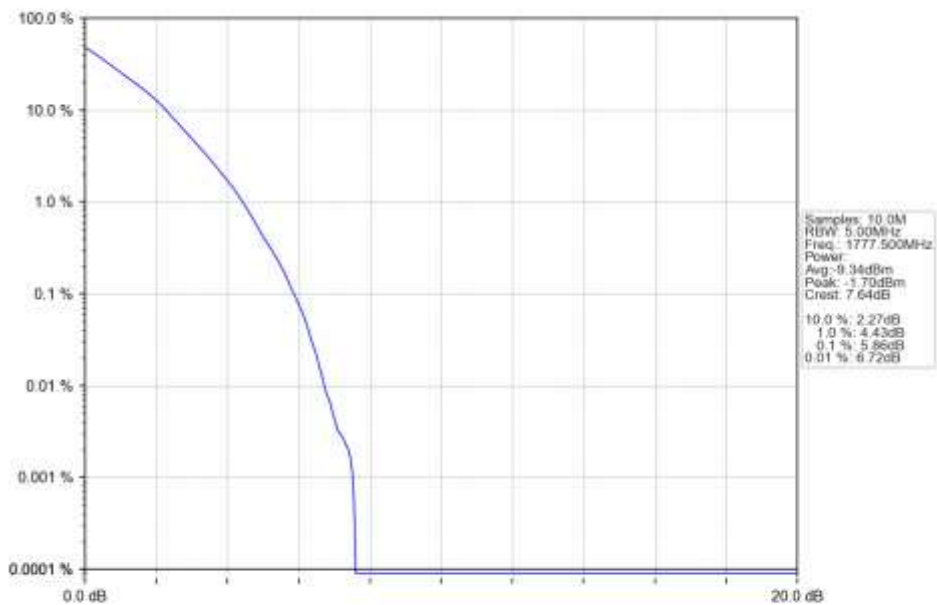
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1745MHz_Outer_Full_Ant1



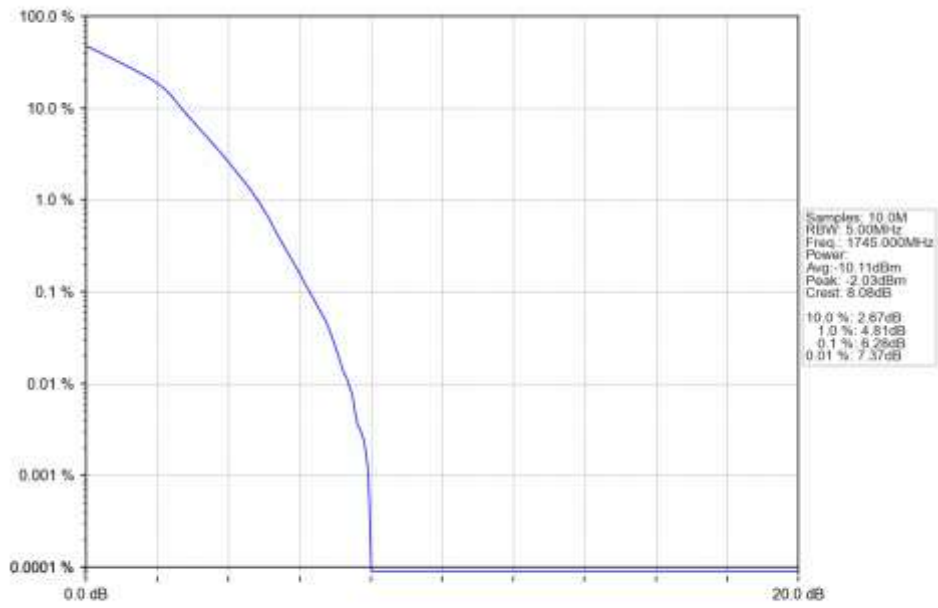
n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1777.5MHz_Outer_Full_Ant1



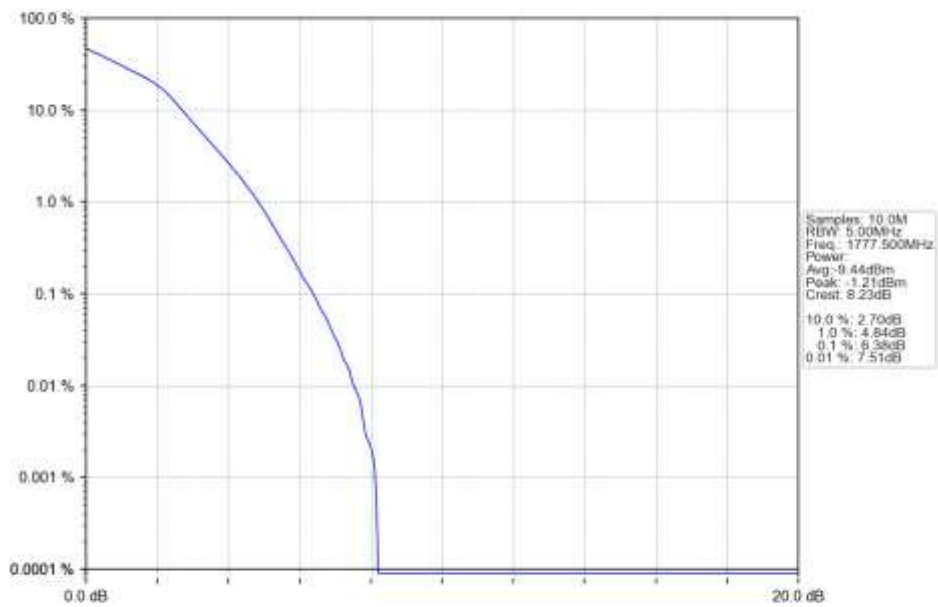
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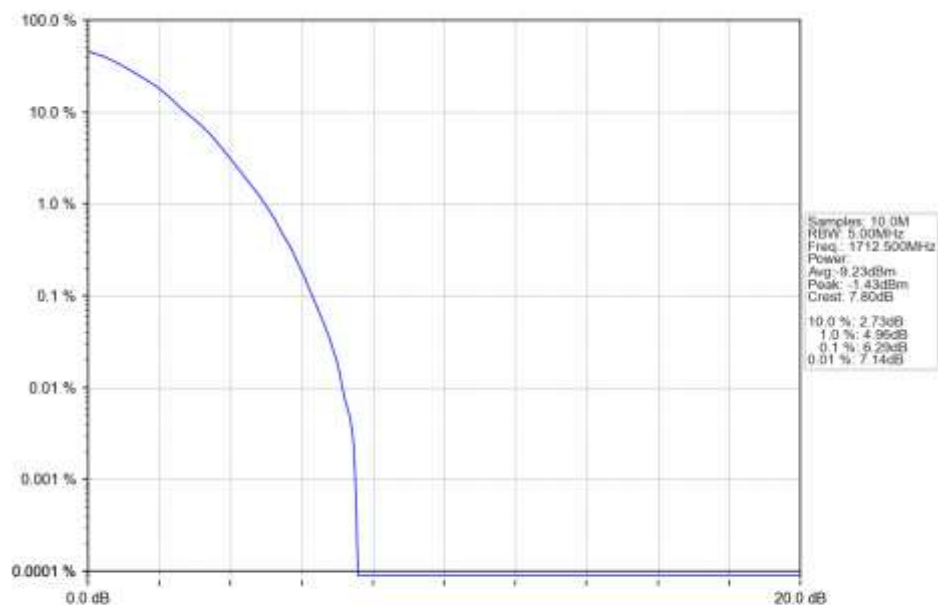
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_1777.5MHz_Outer_Full_Ant1



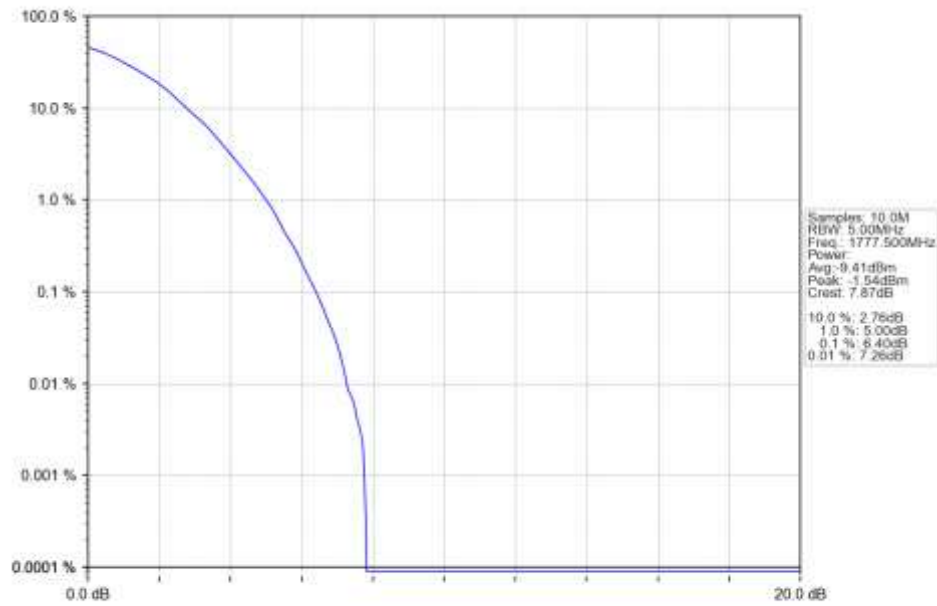
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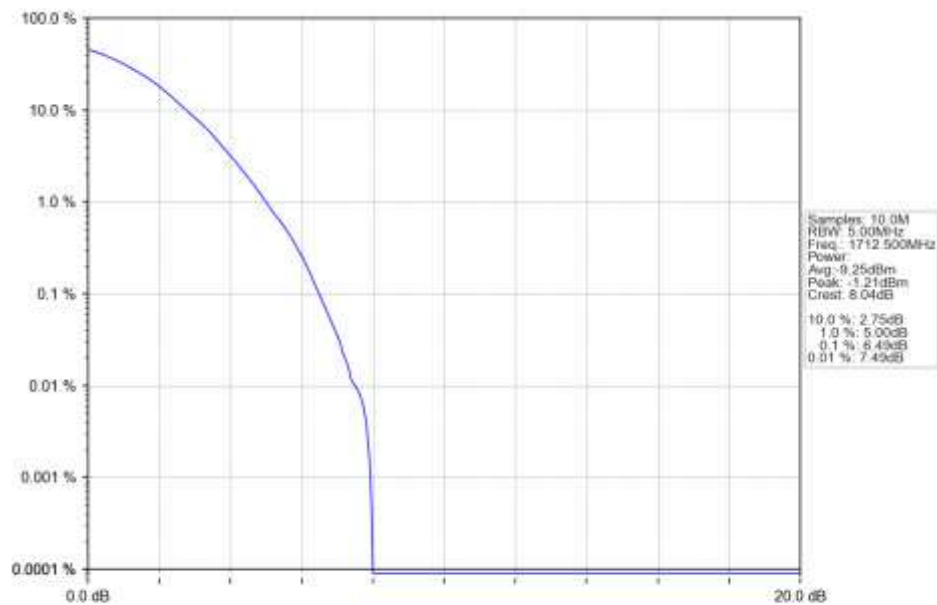
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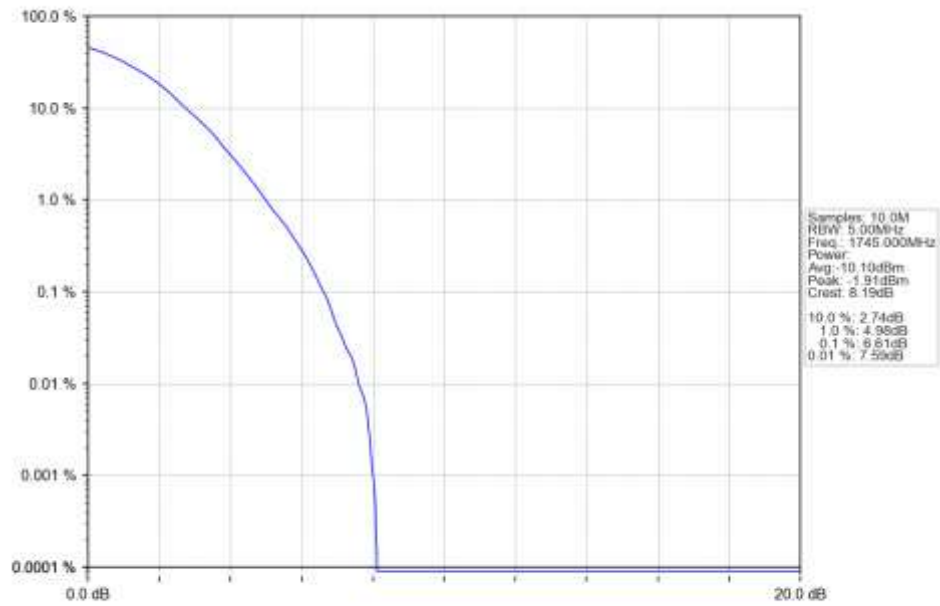
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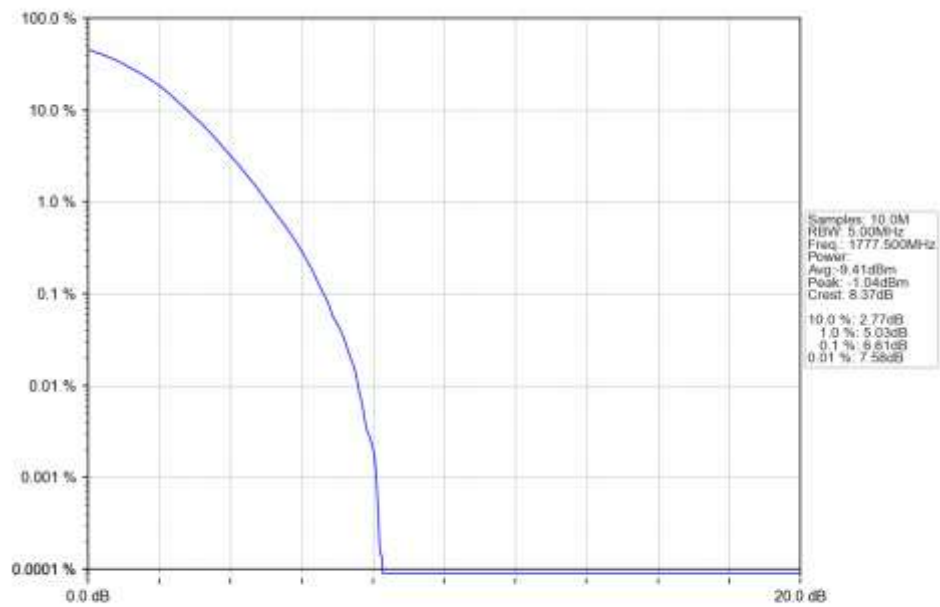
n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_1712.5MHz_Outer_Full_Ant1



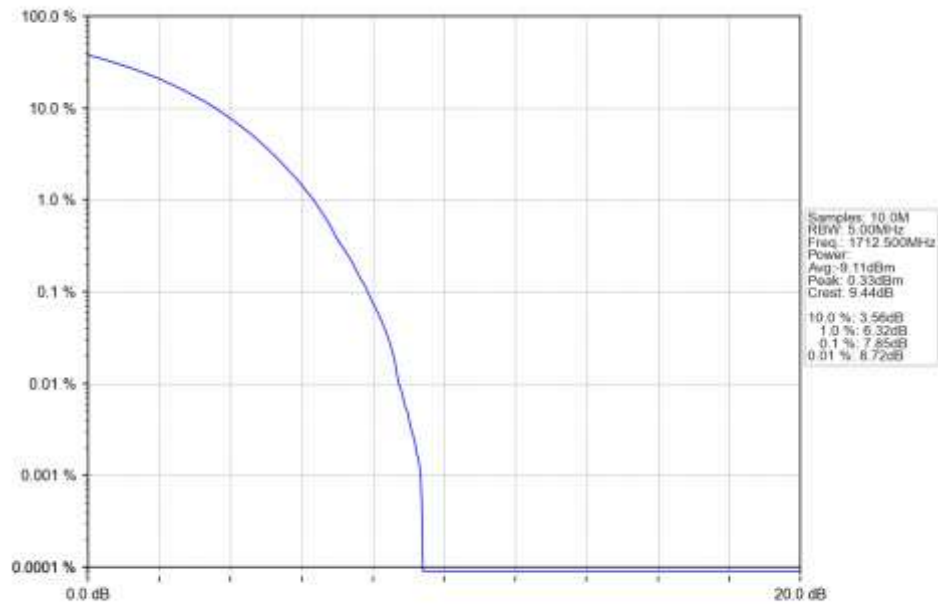
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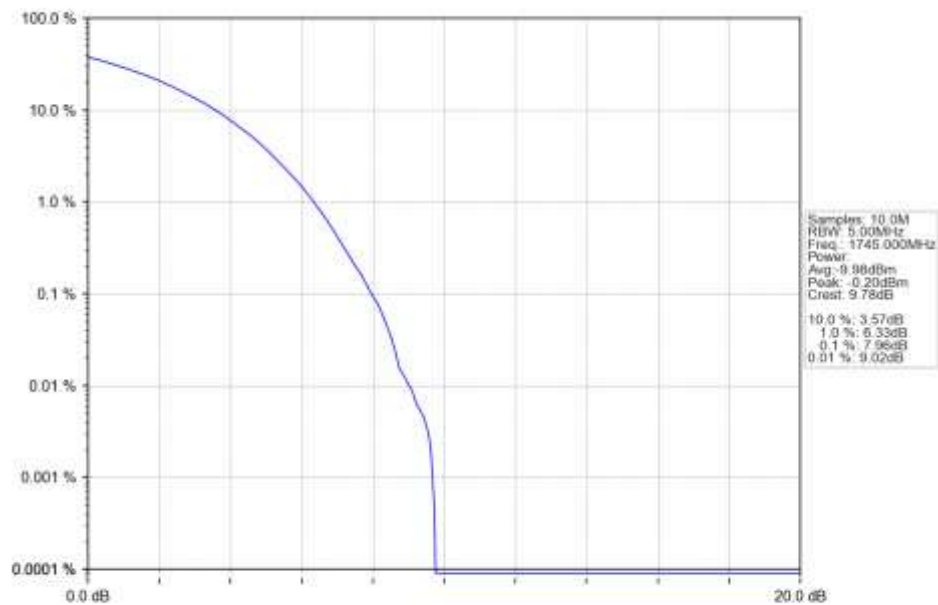
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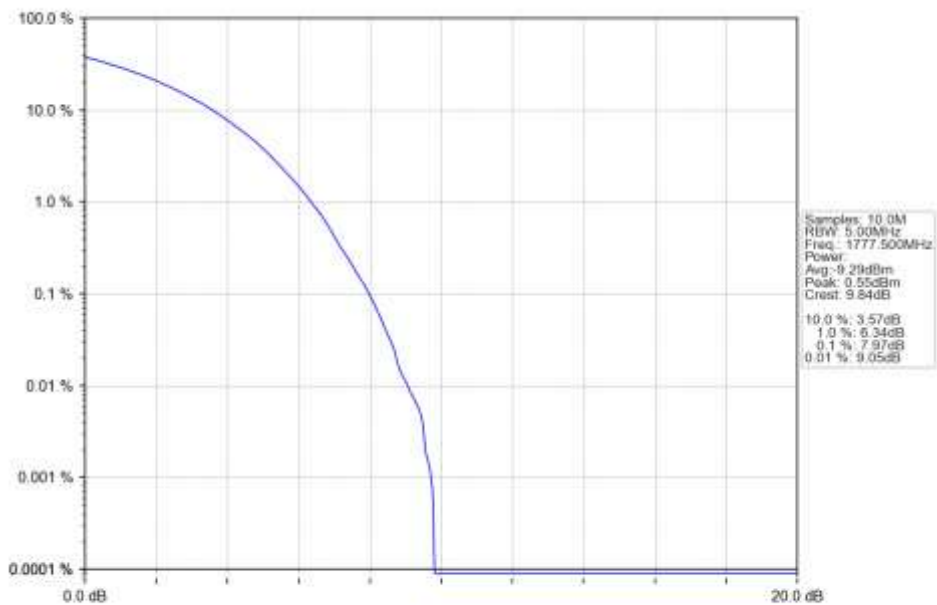
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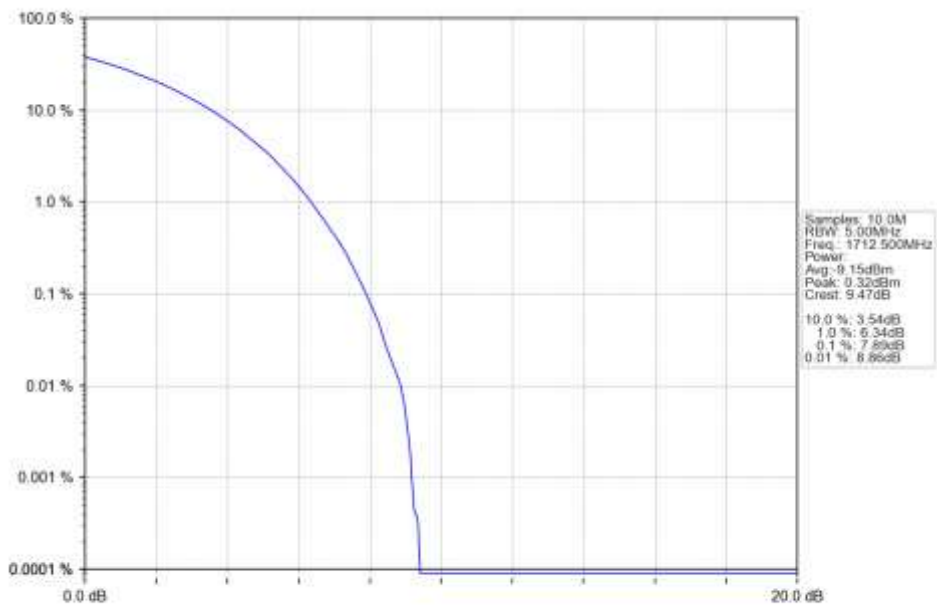
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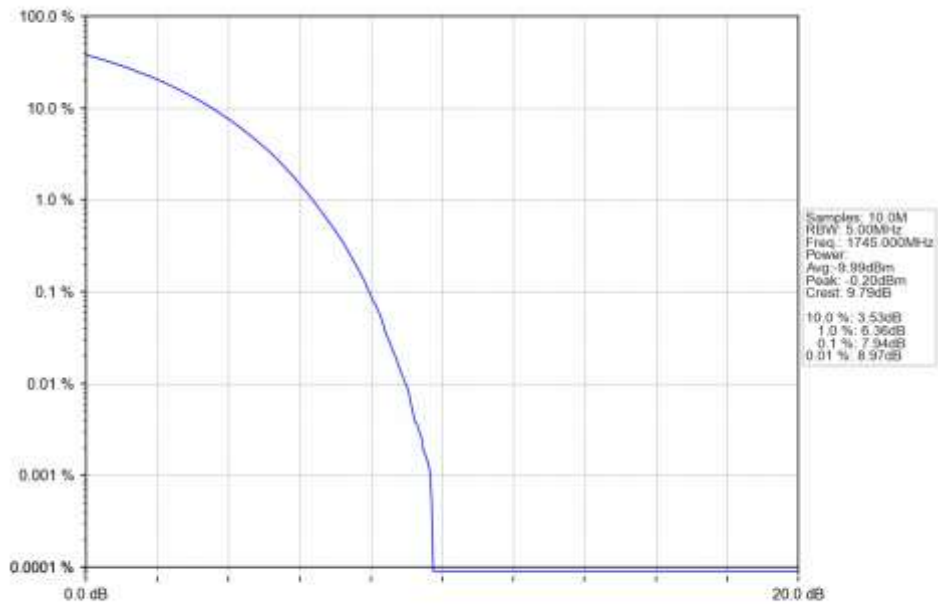
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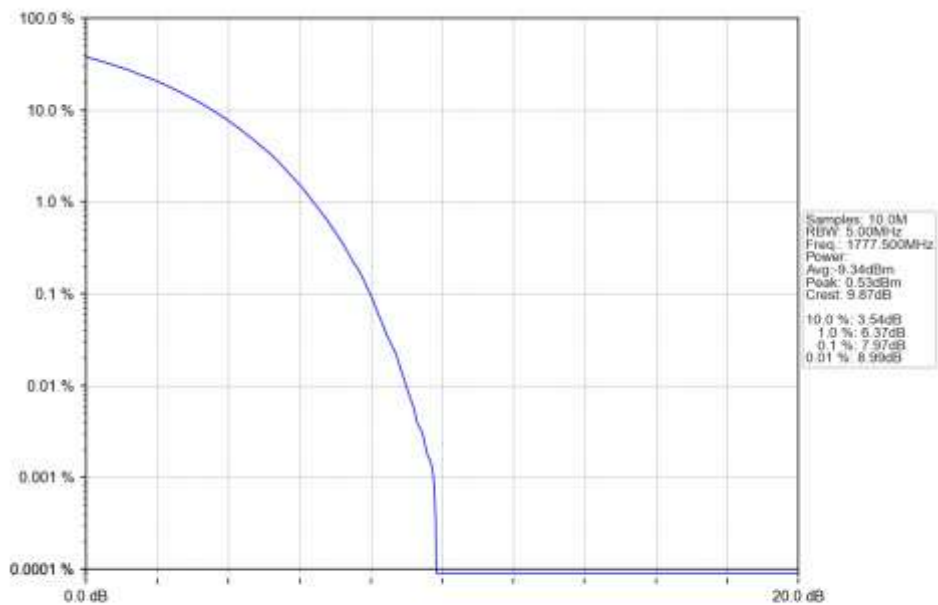
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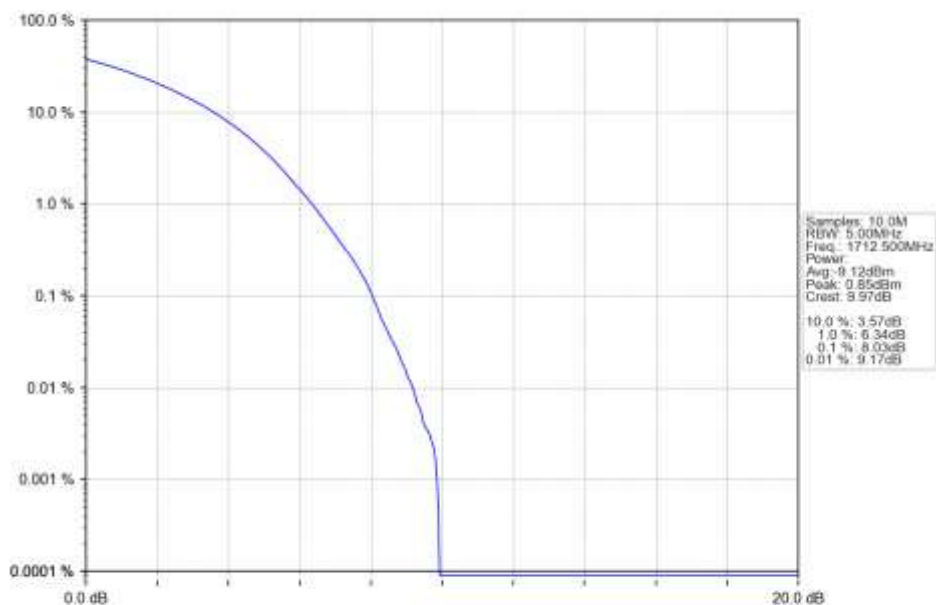
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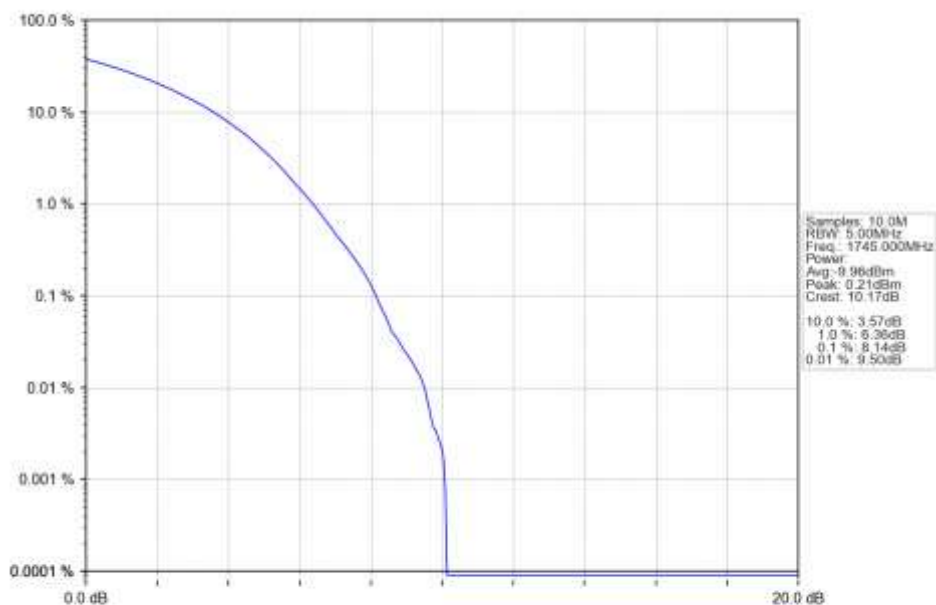
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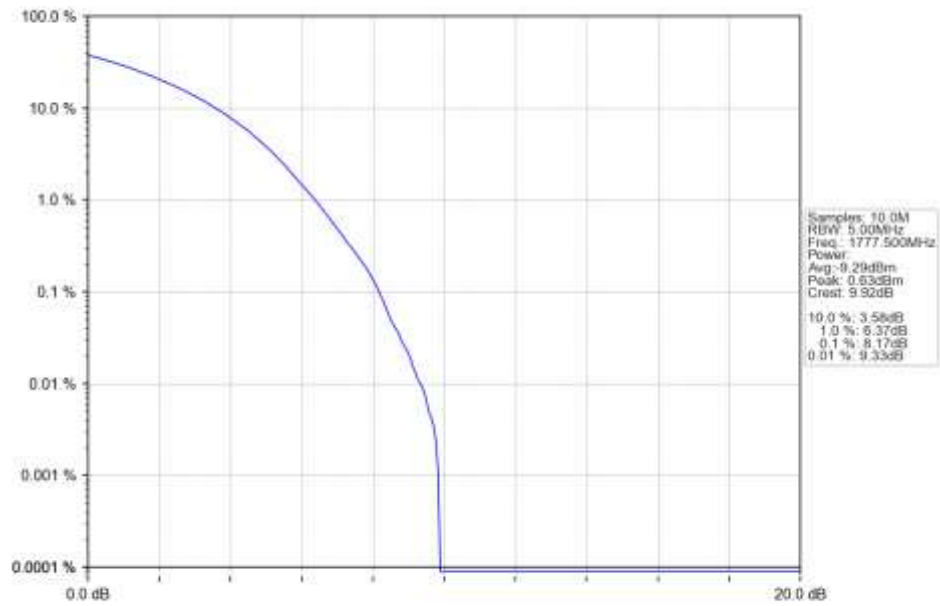
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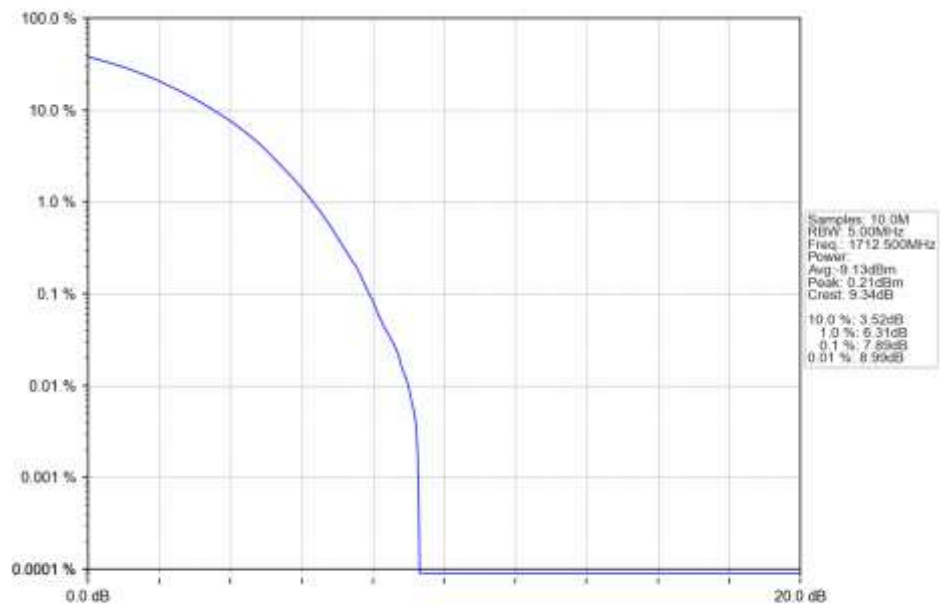
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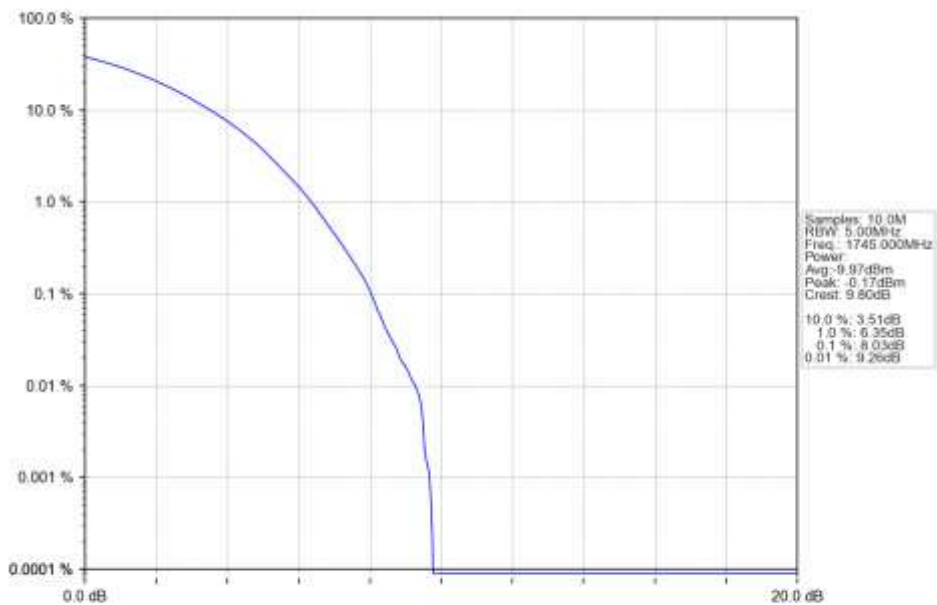
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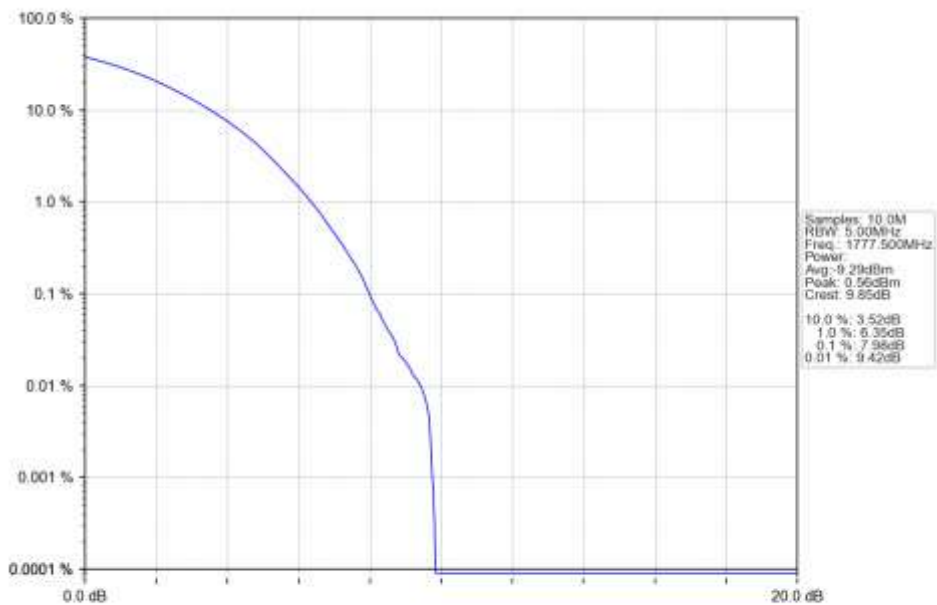
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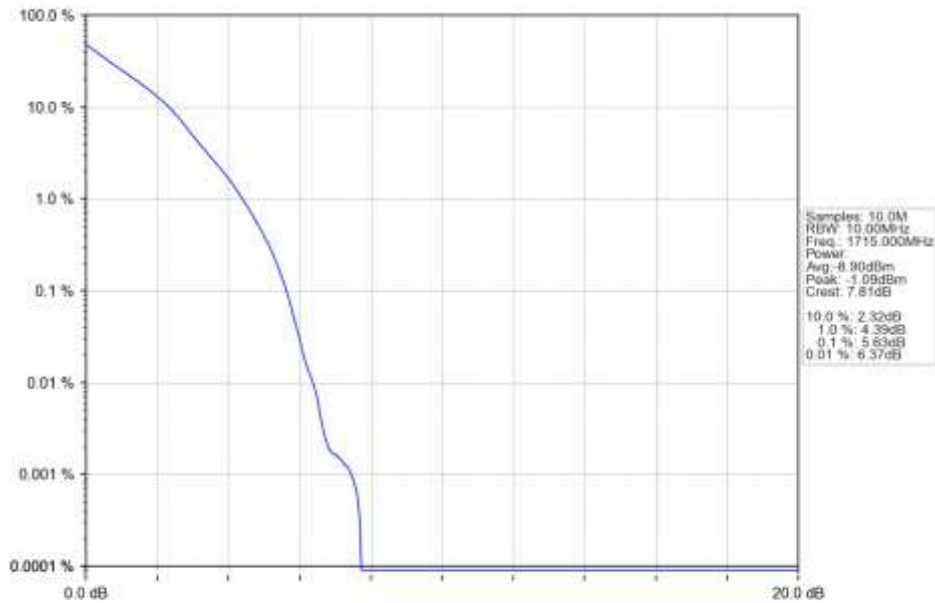


n66_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_1777.5MHz_Outer_Full_Ant1

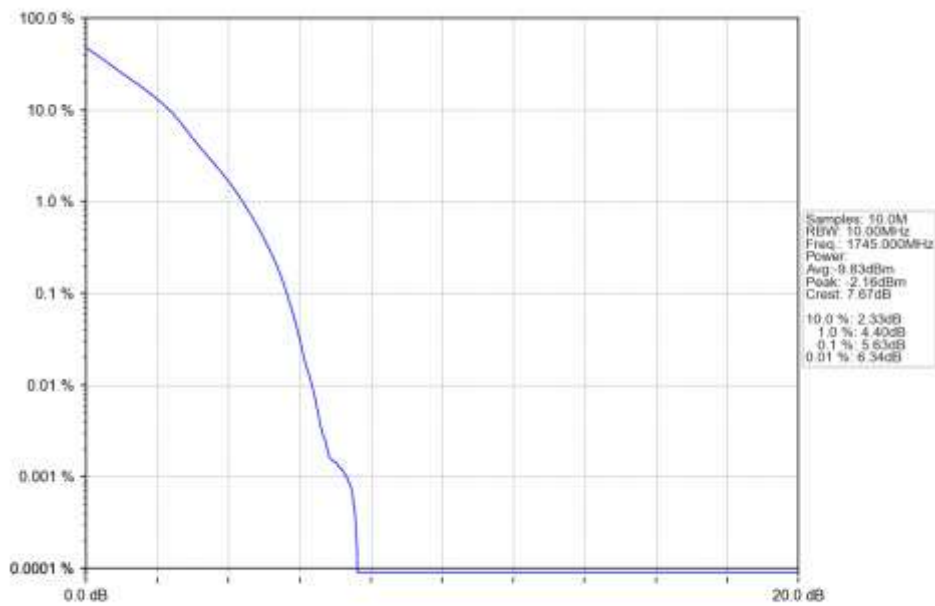


5.2.2 15k_SISO_10MHz_NTNV

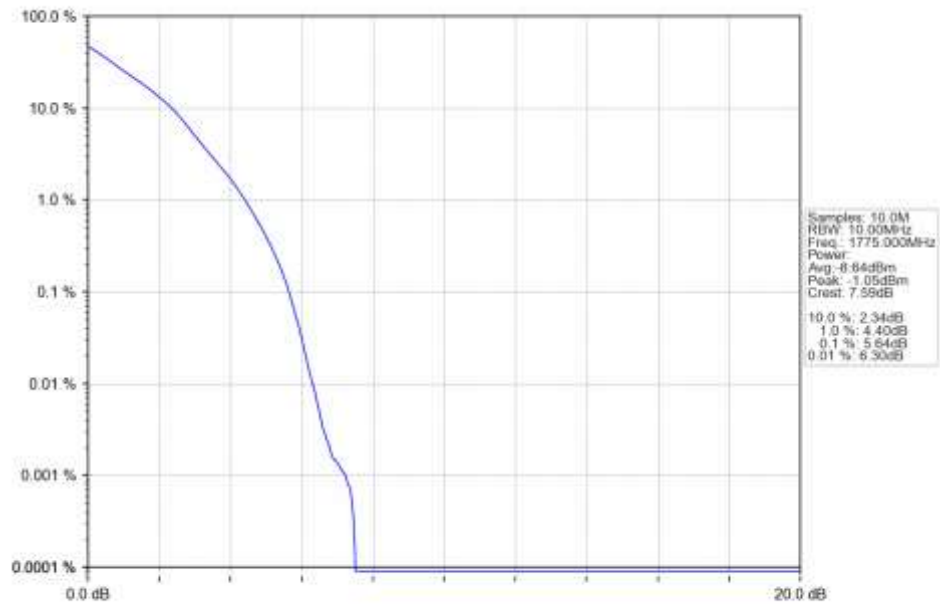
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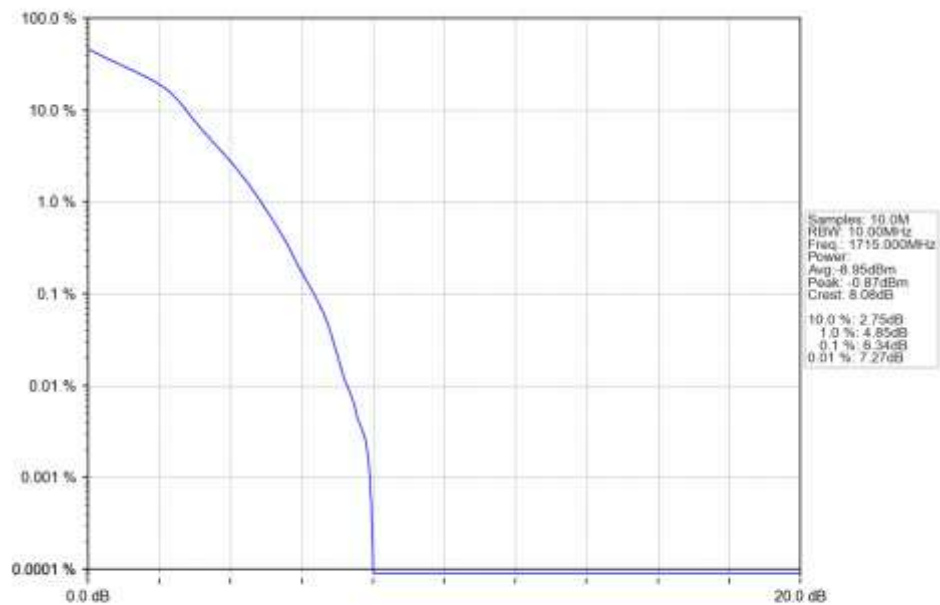
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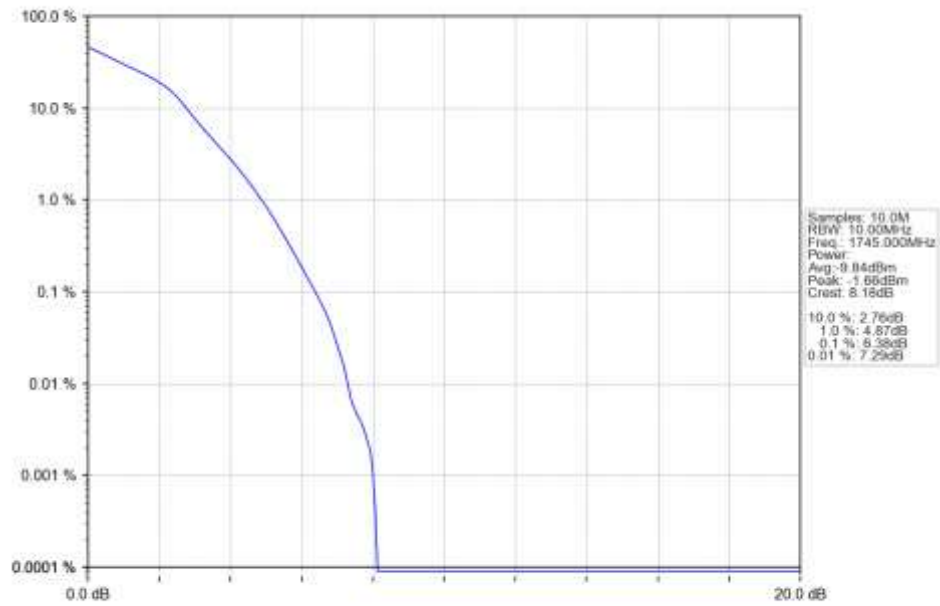
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1715MHz_Outer_Full_Ant1



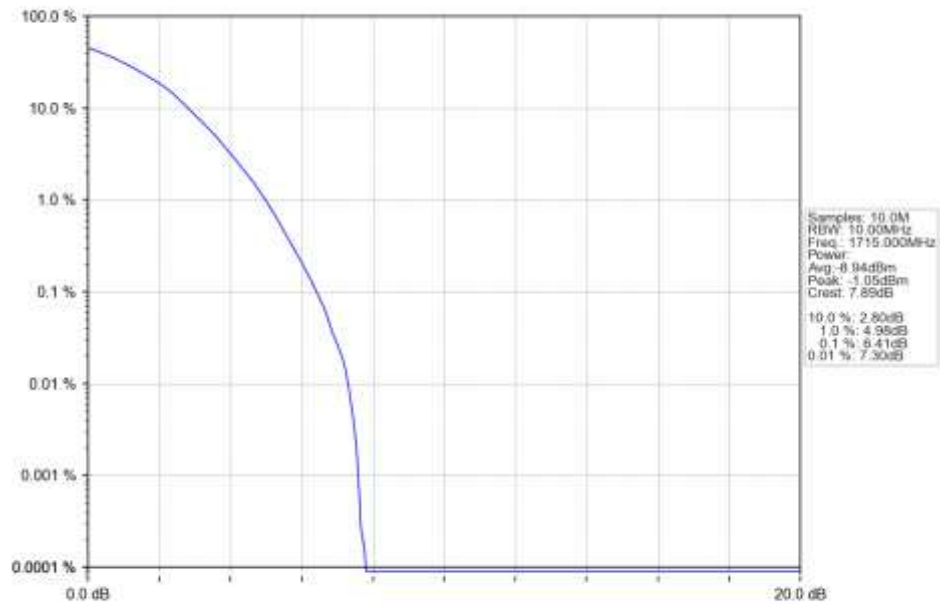
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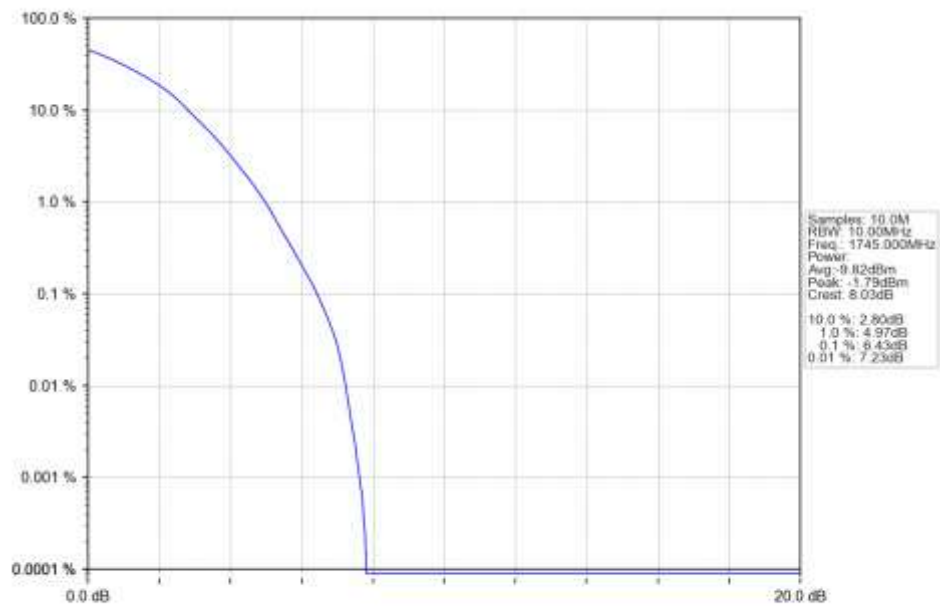
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1715MHz_Outer_Full_Ant1



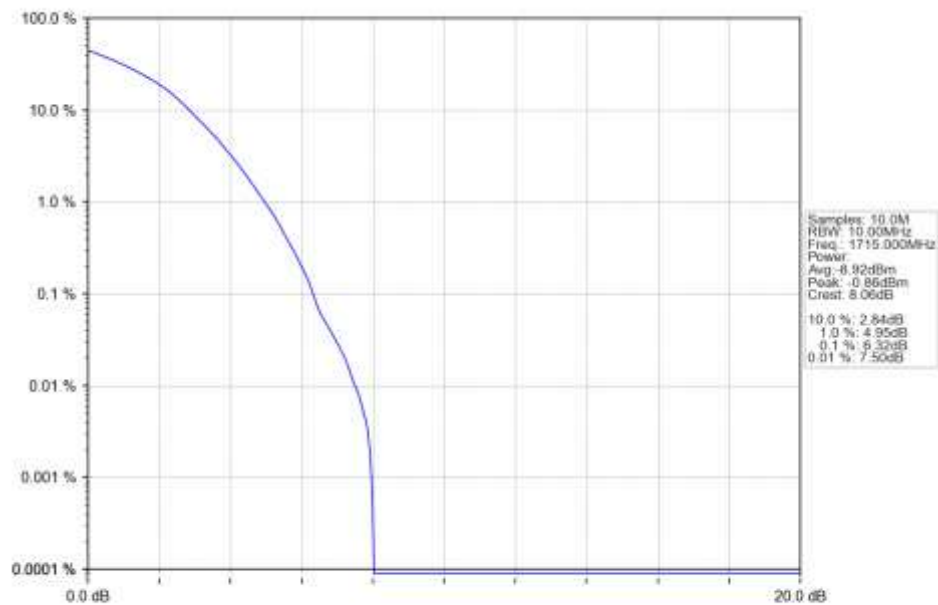
n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1745MHz_Outer_Full_Ant1



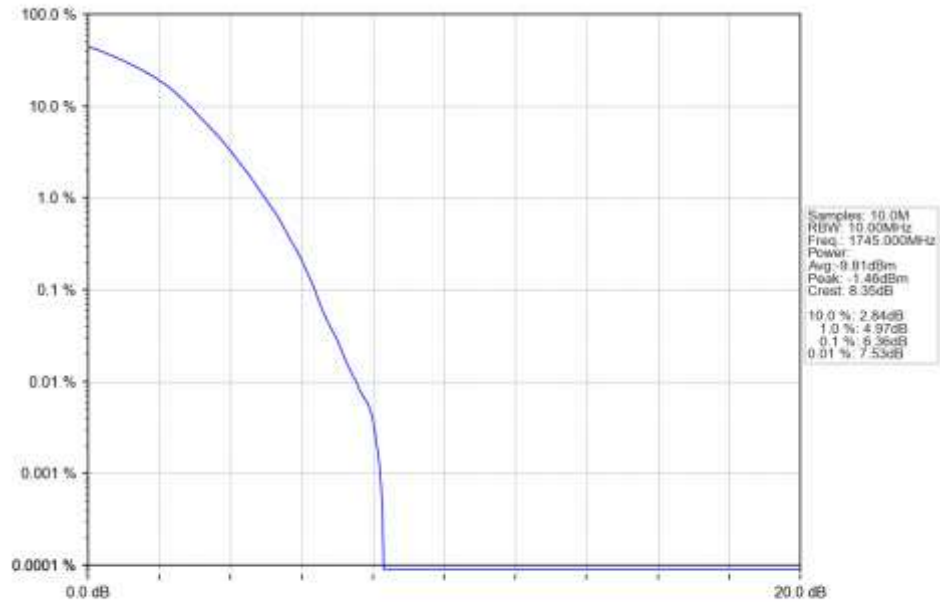
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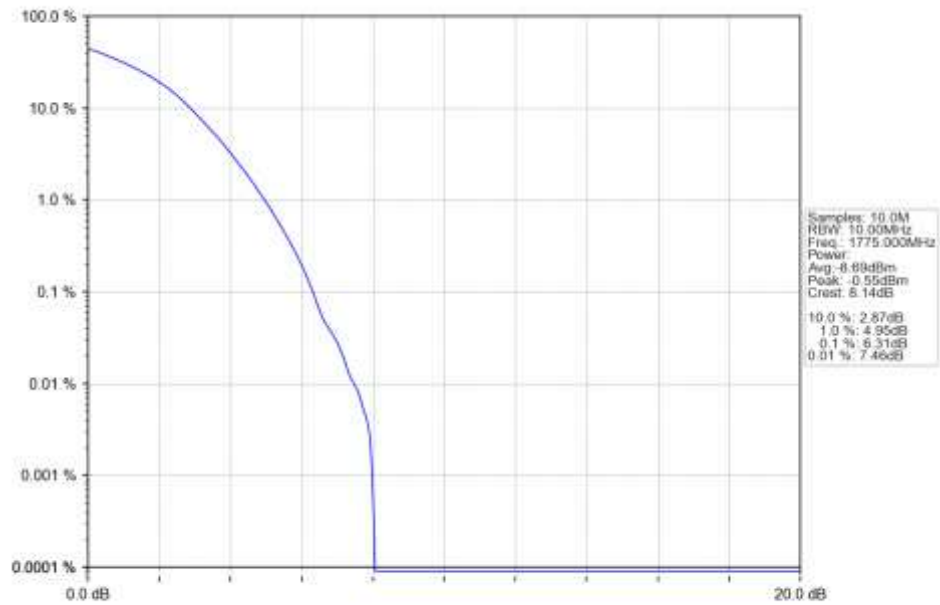
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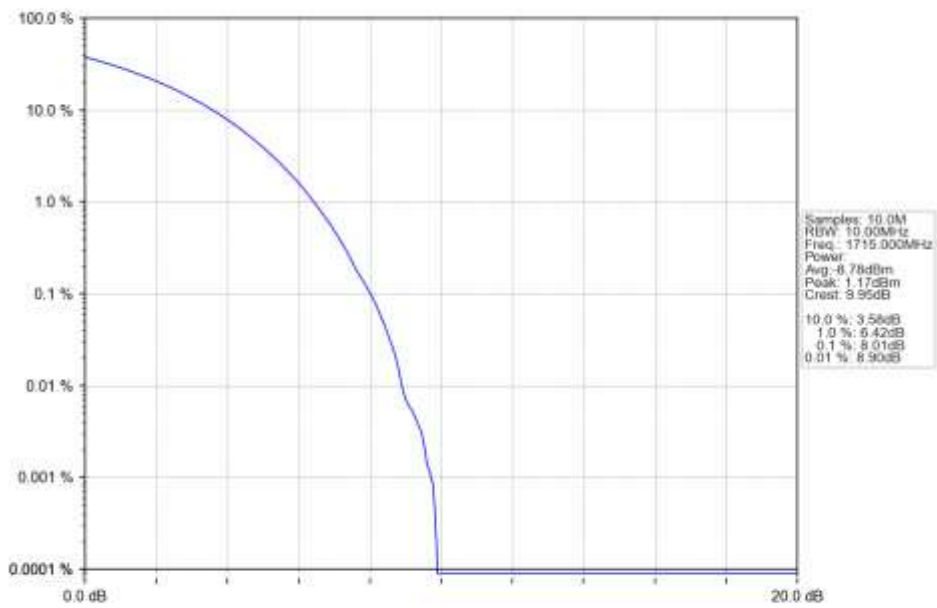
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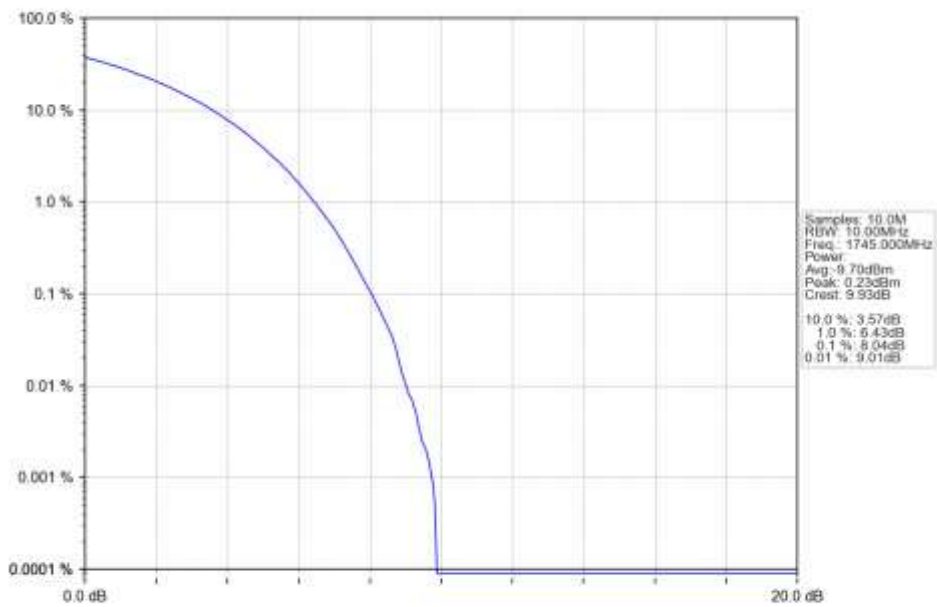
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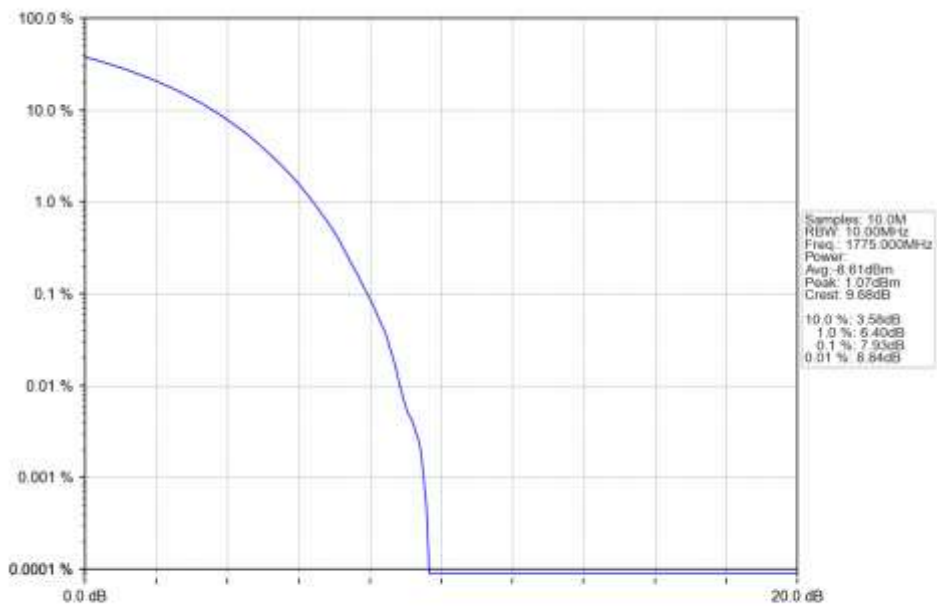
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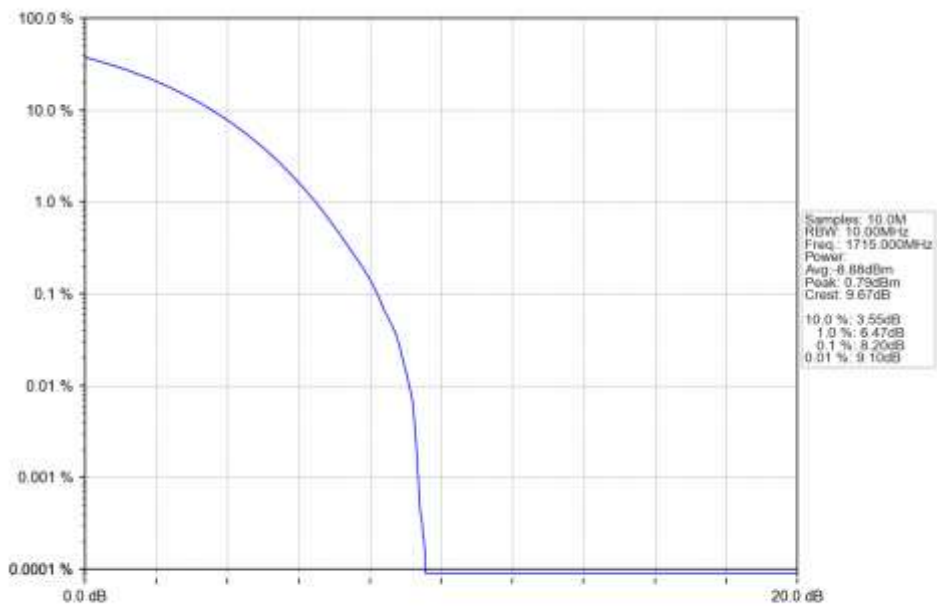
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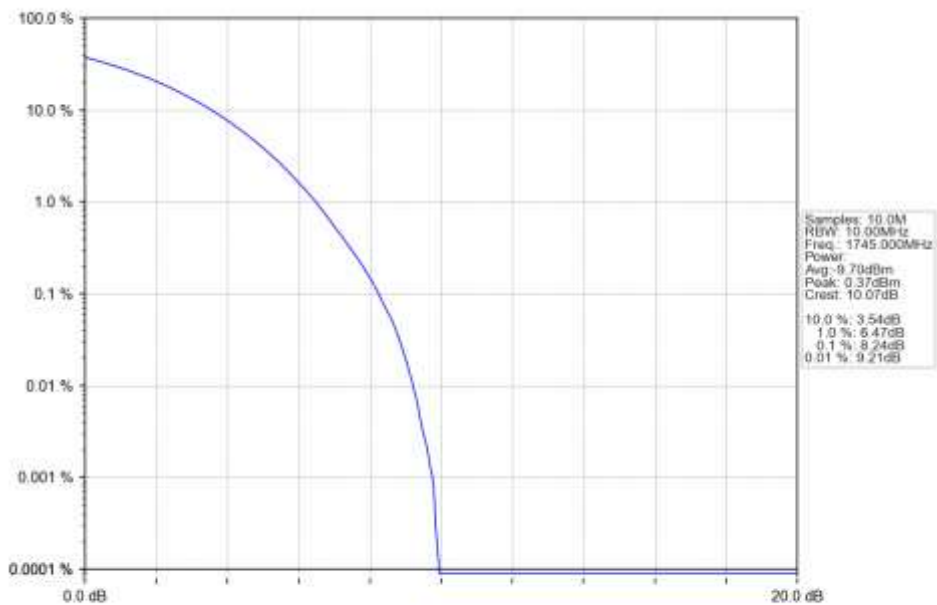
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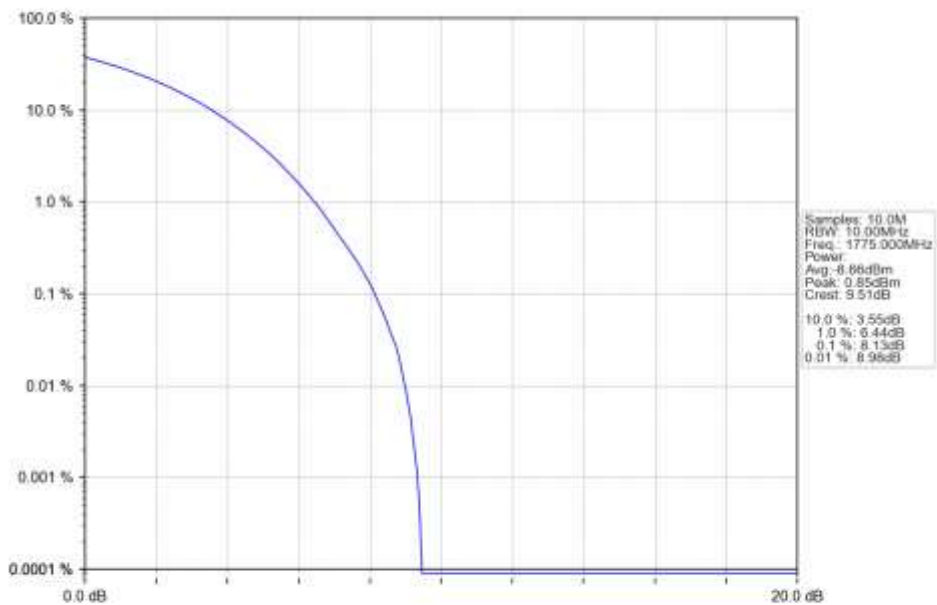
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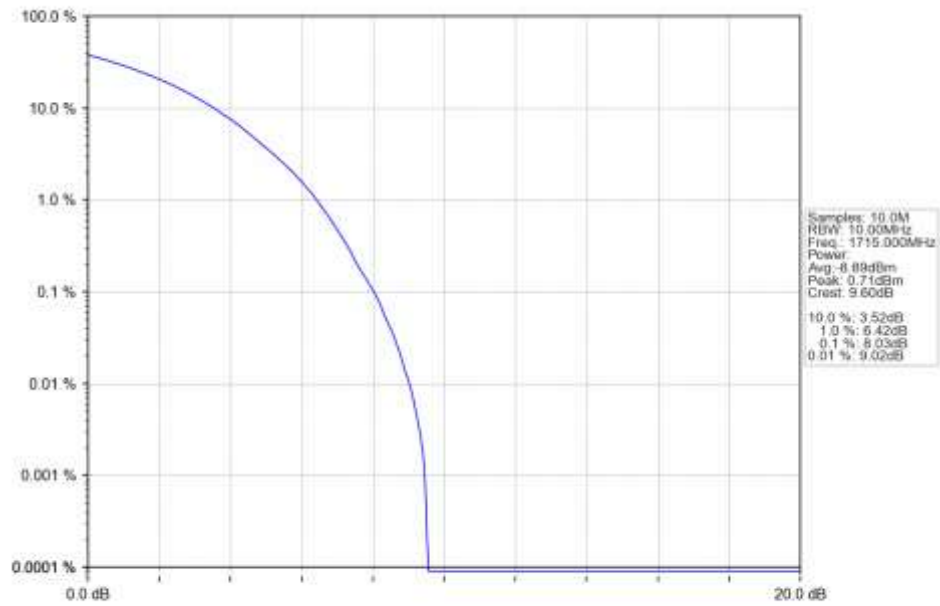
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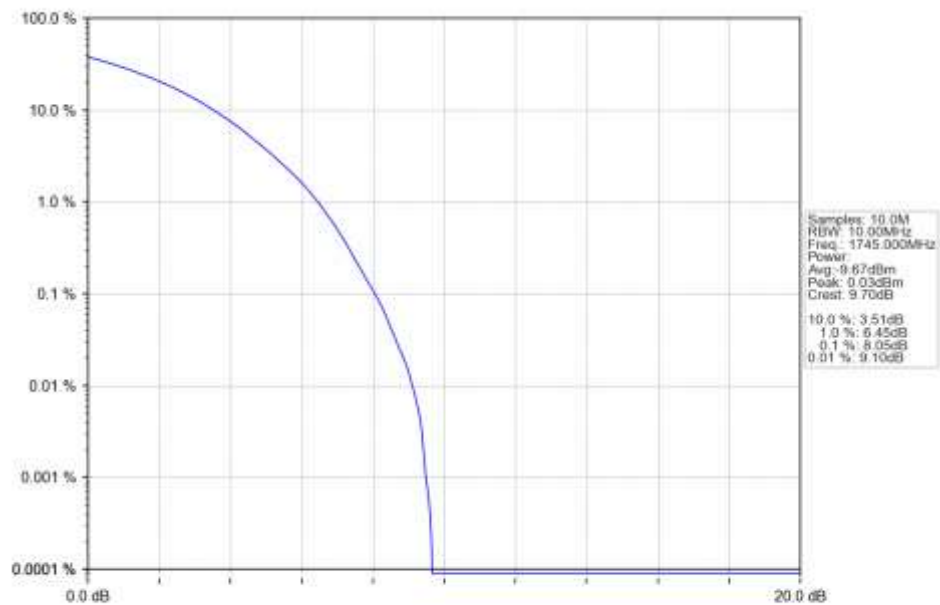
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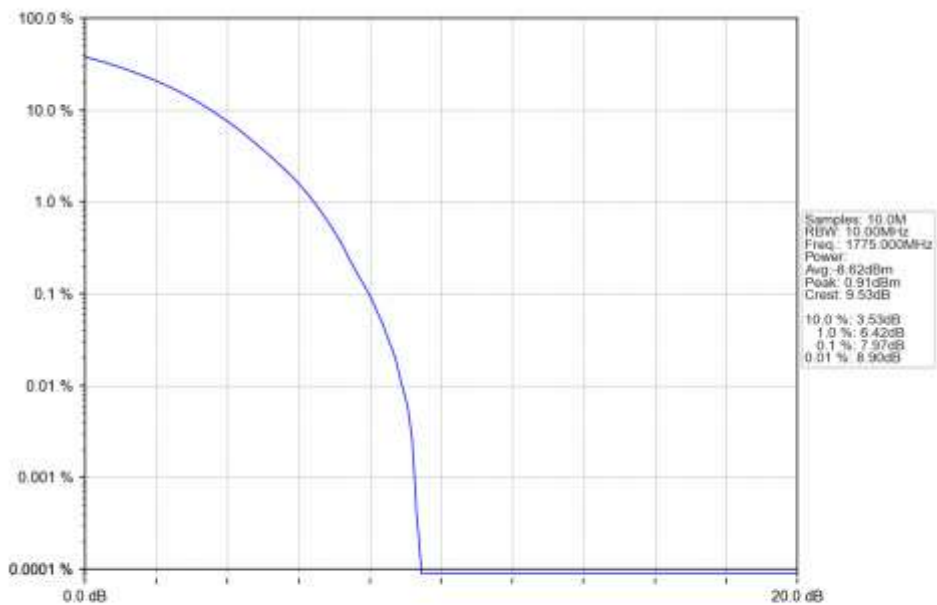
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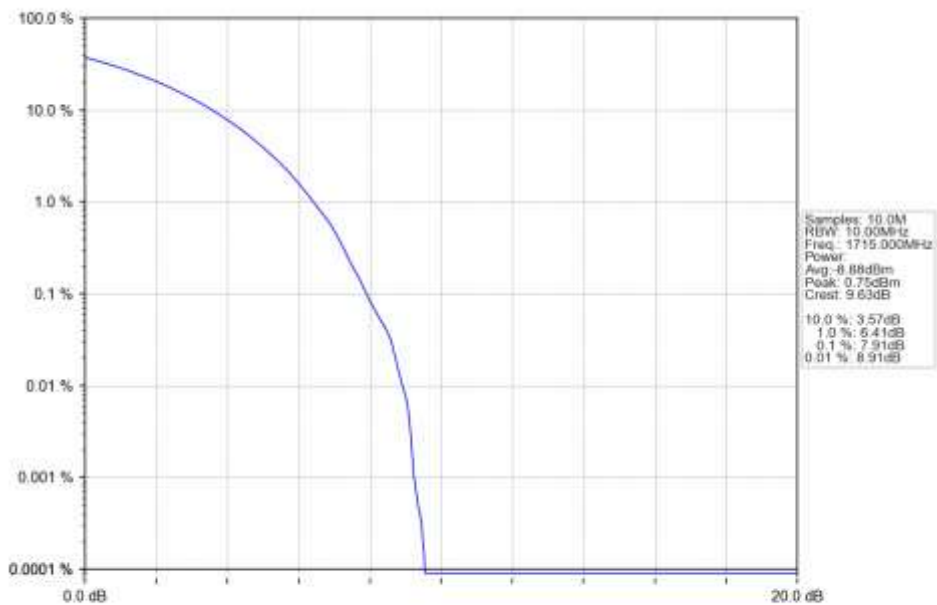
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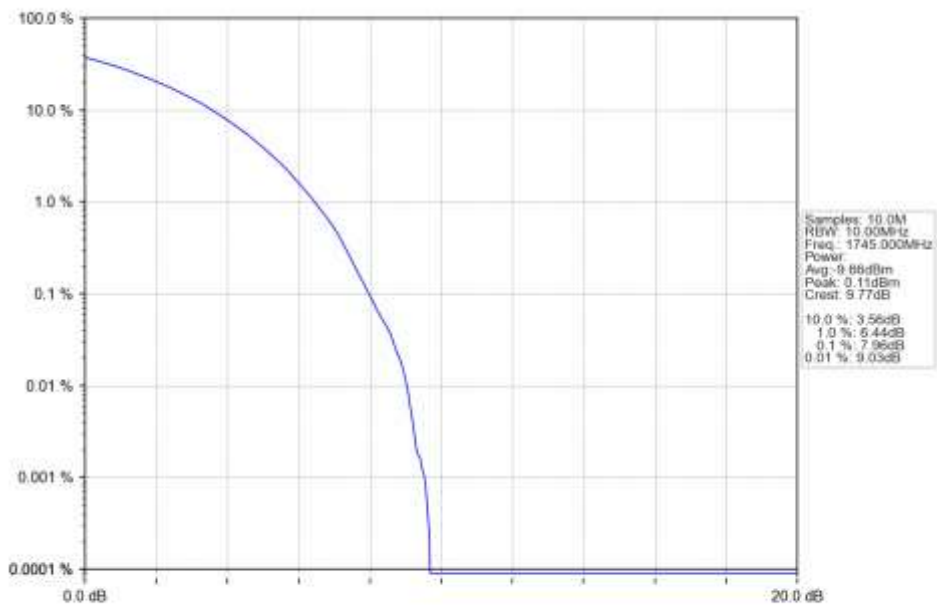
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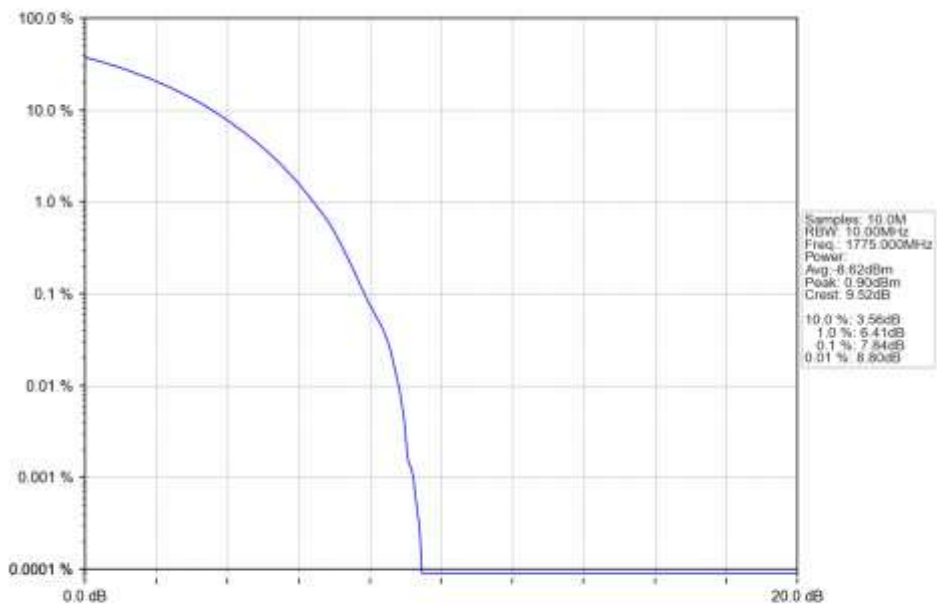
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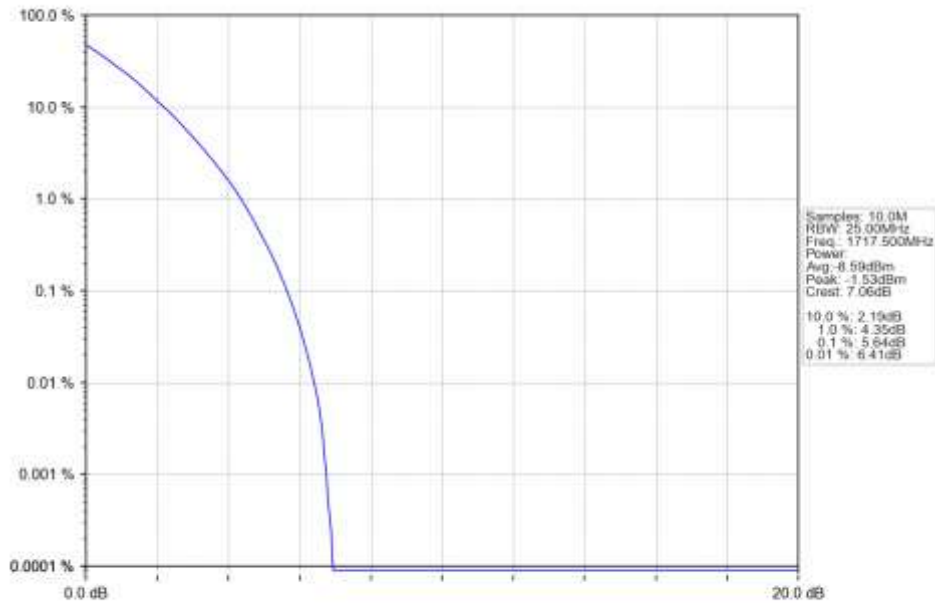


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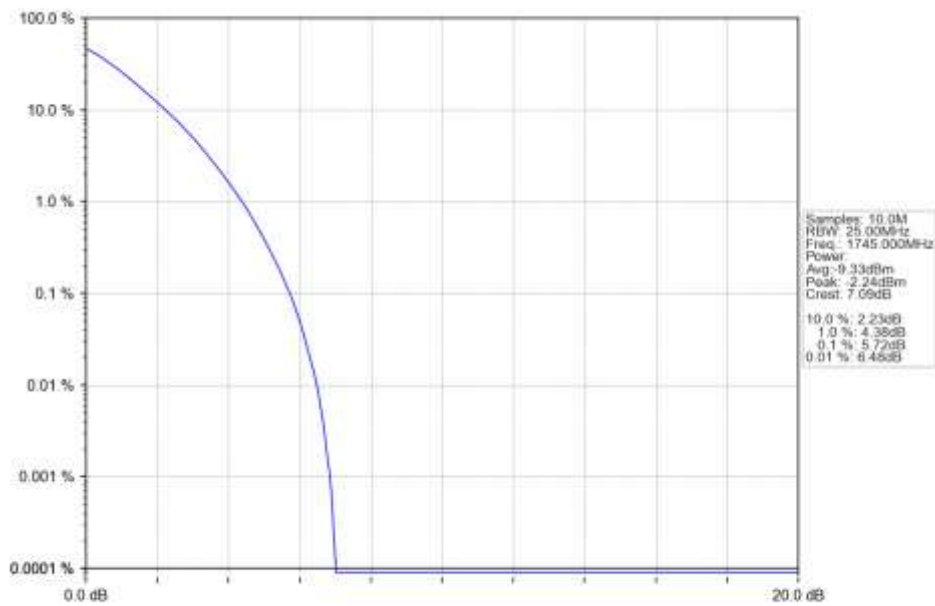


5.2.3 15k_SISO_15MHz_NTNV

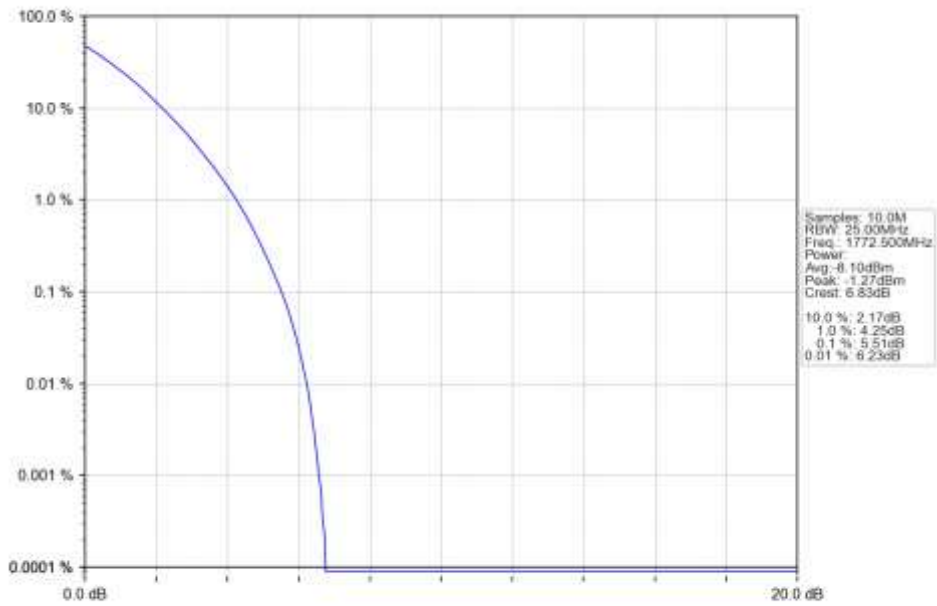
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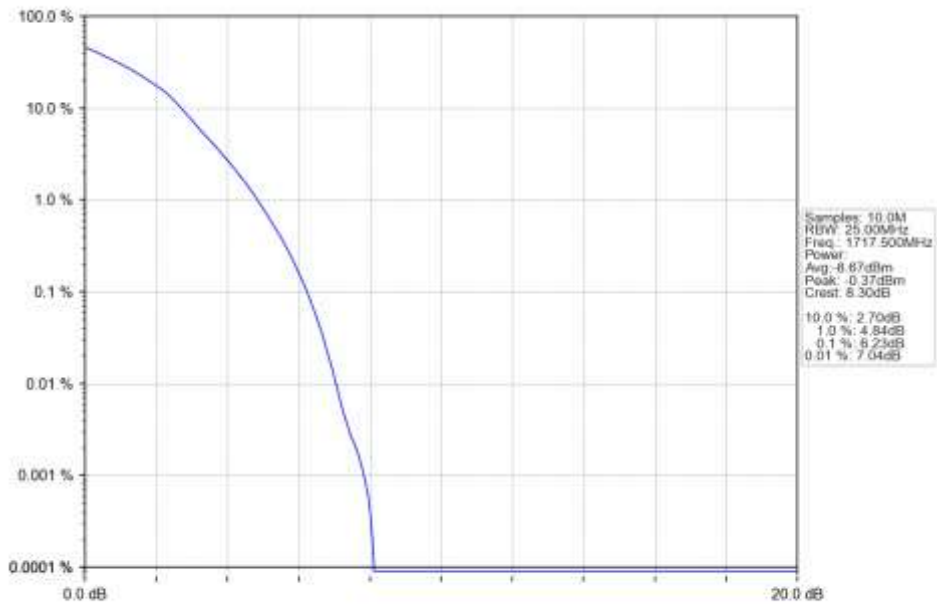
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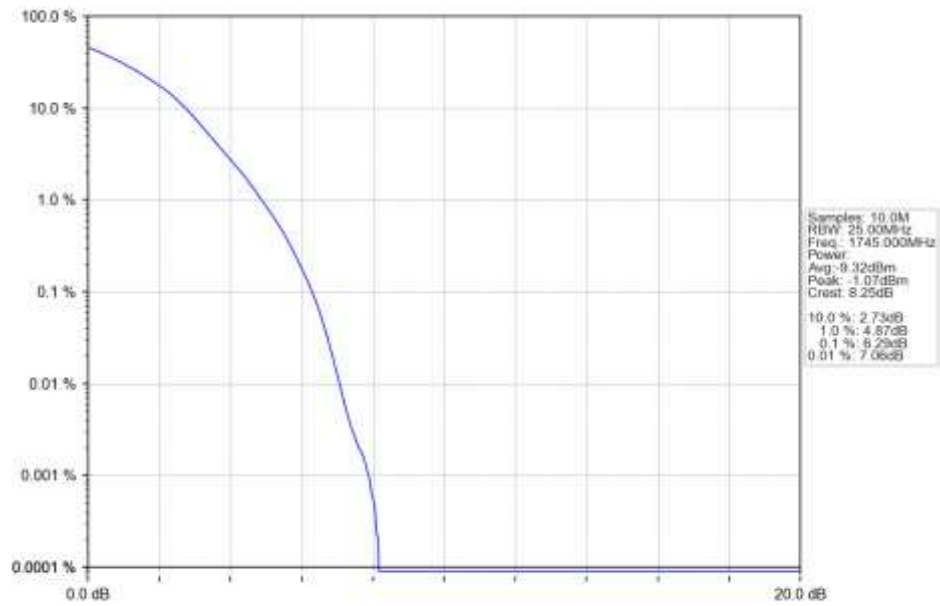
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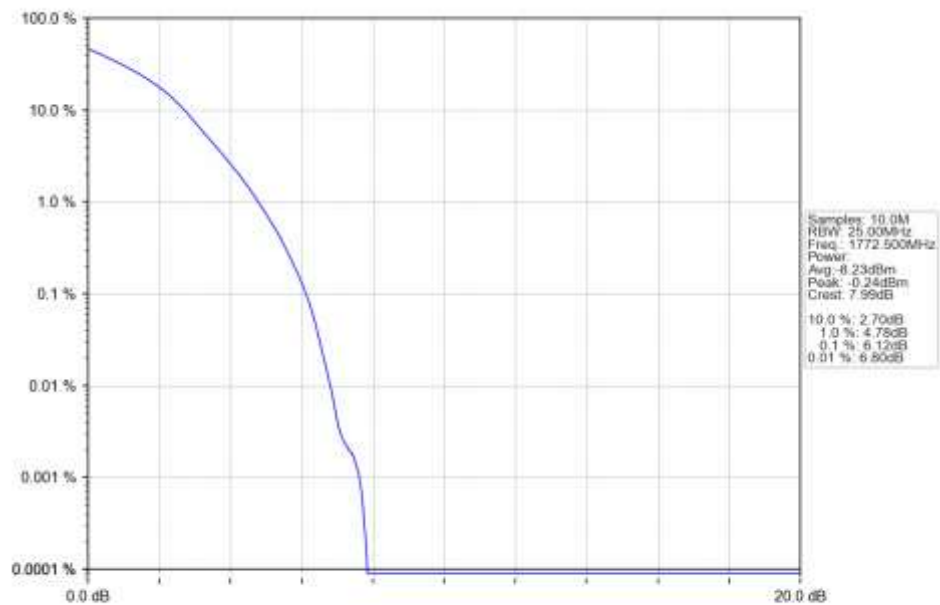
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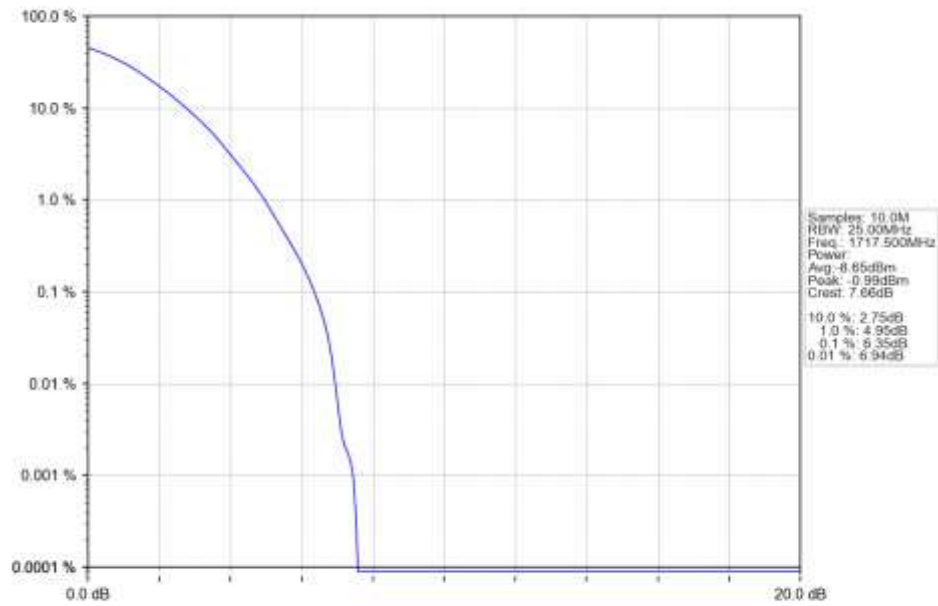
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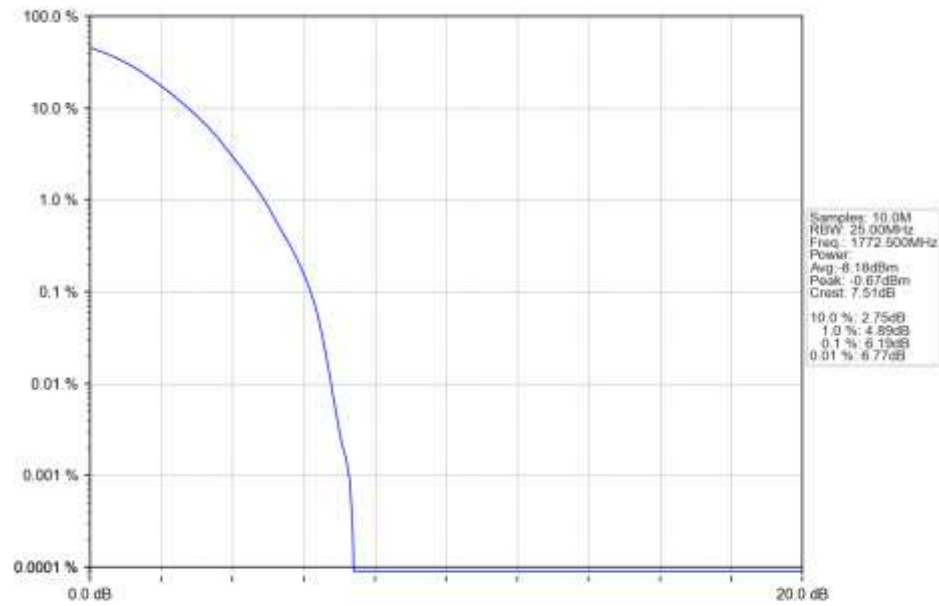
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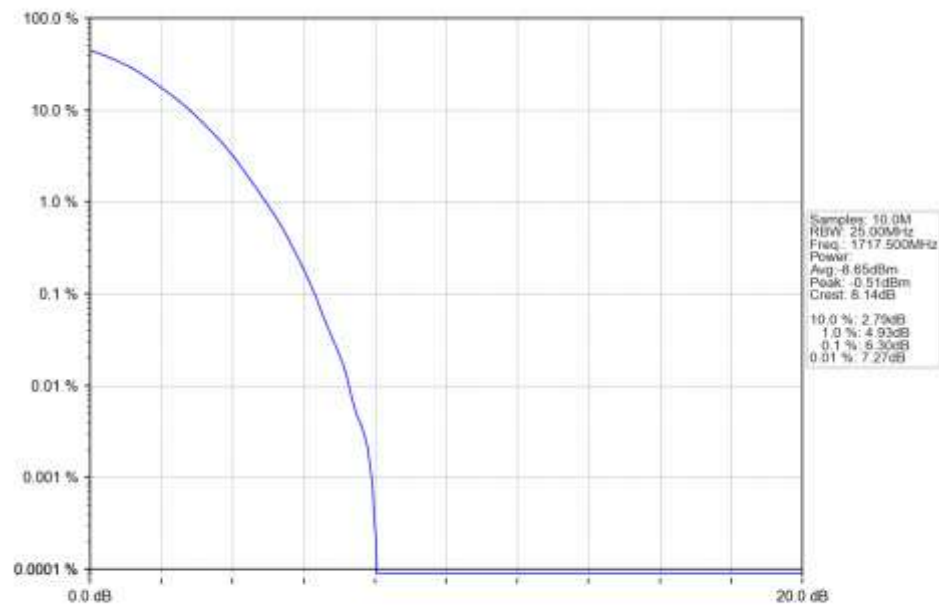
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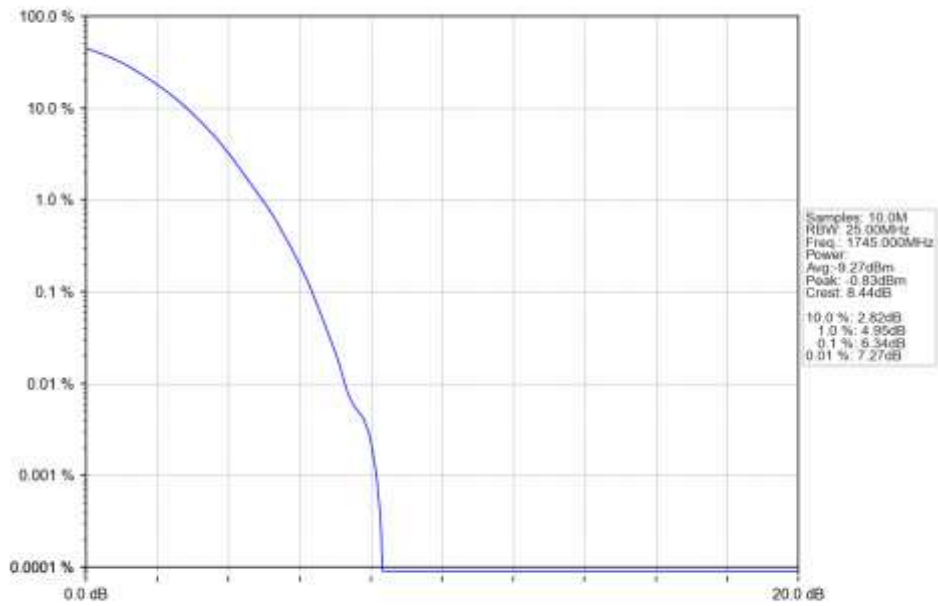
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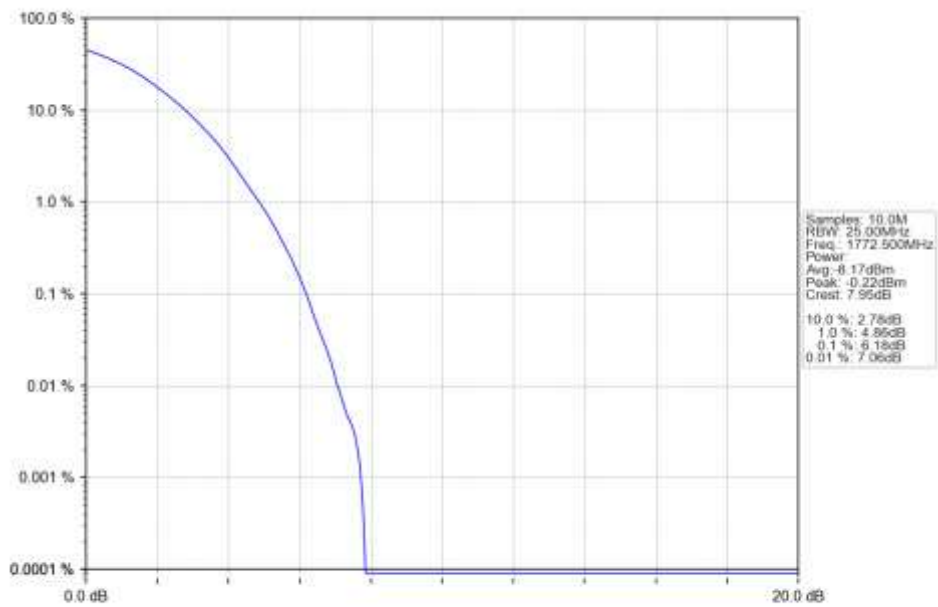
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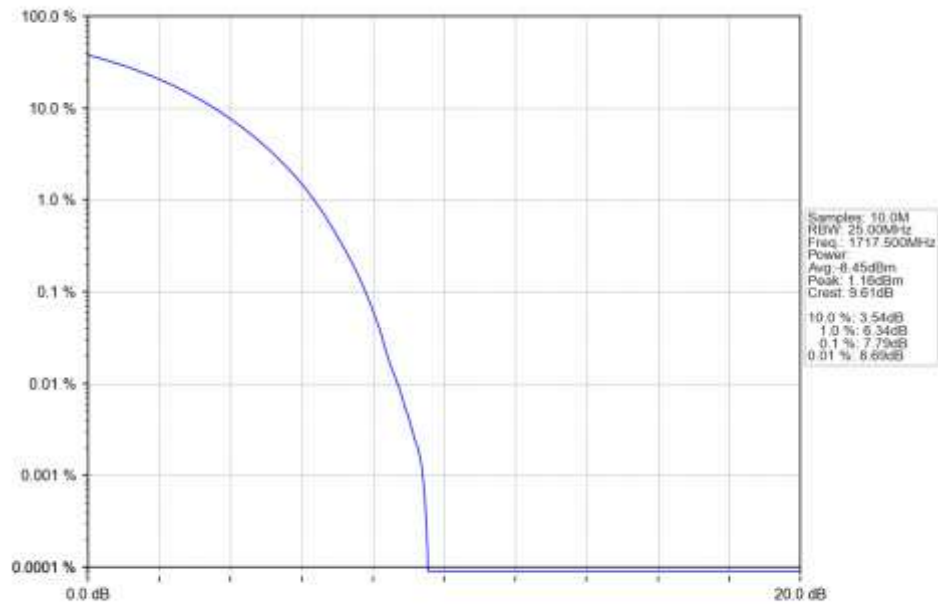
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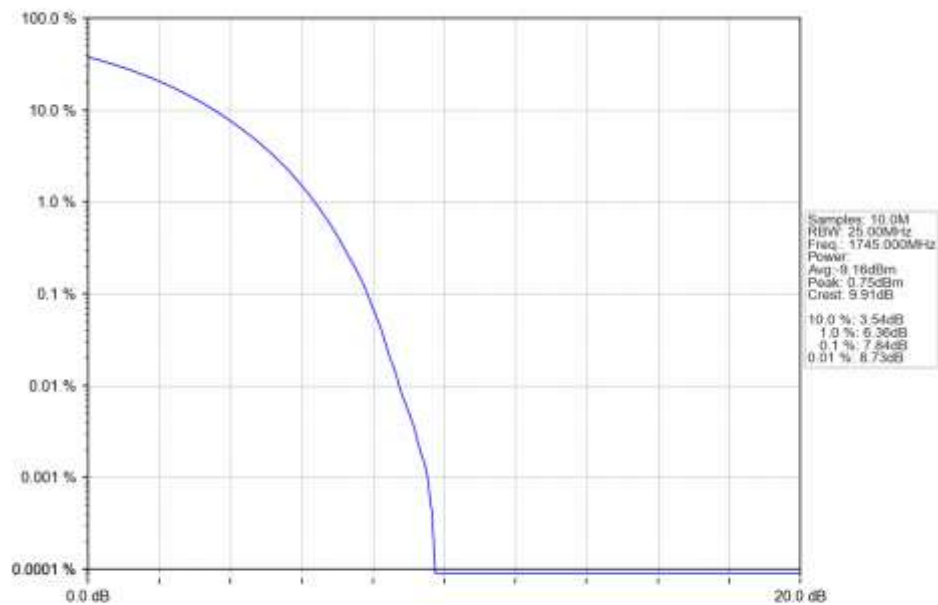
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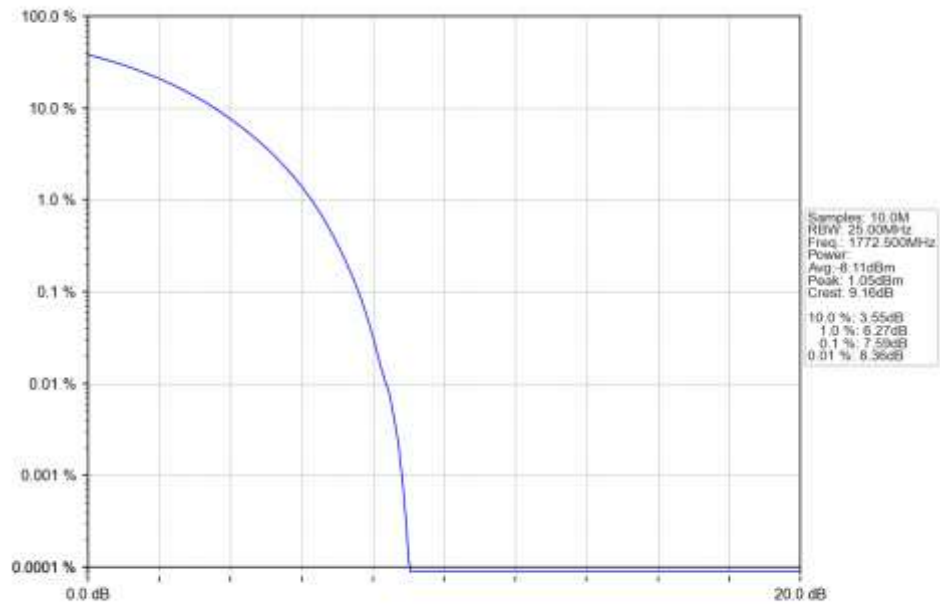
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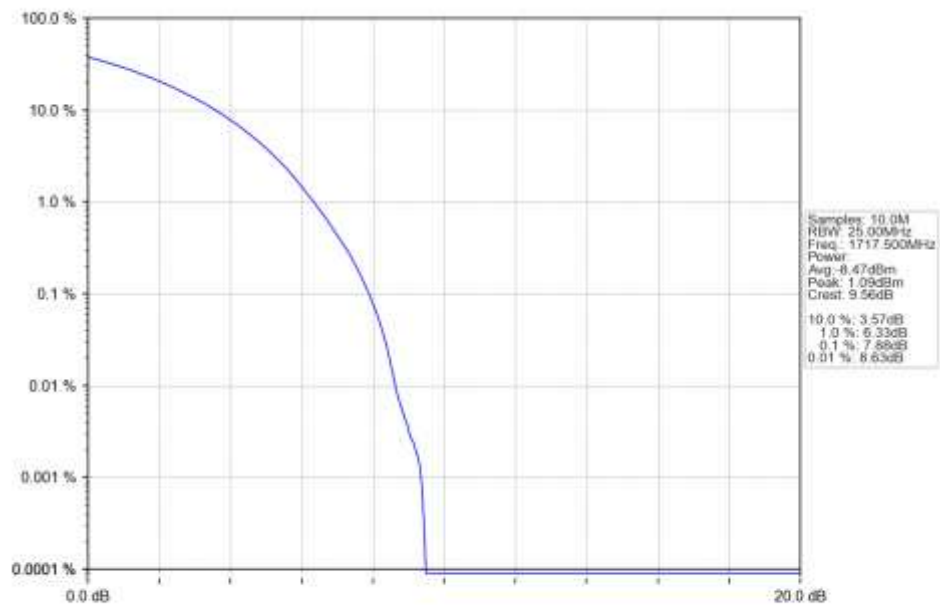
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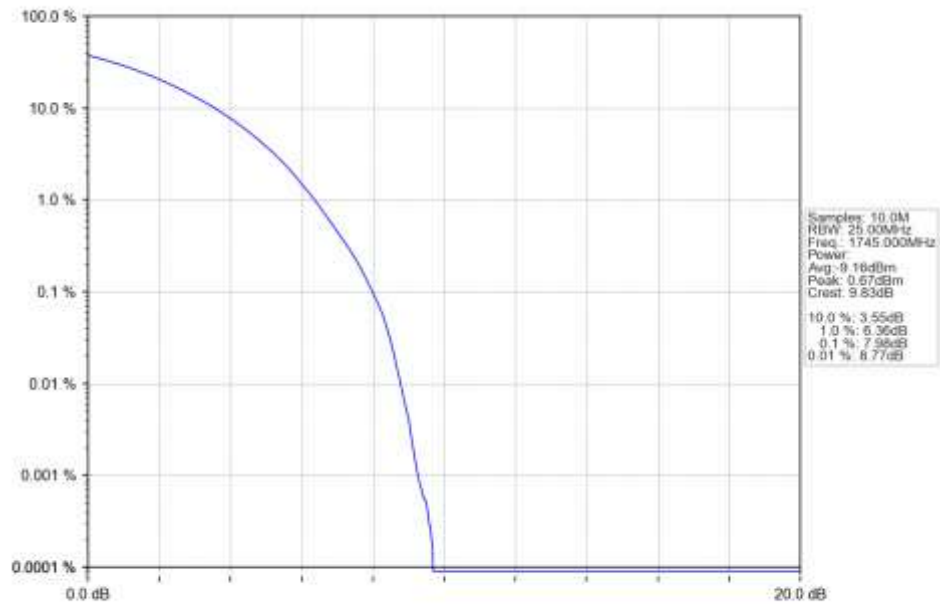
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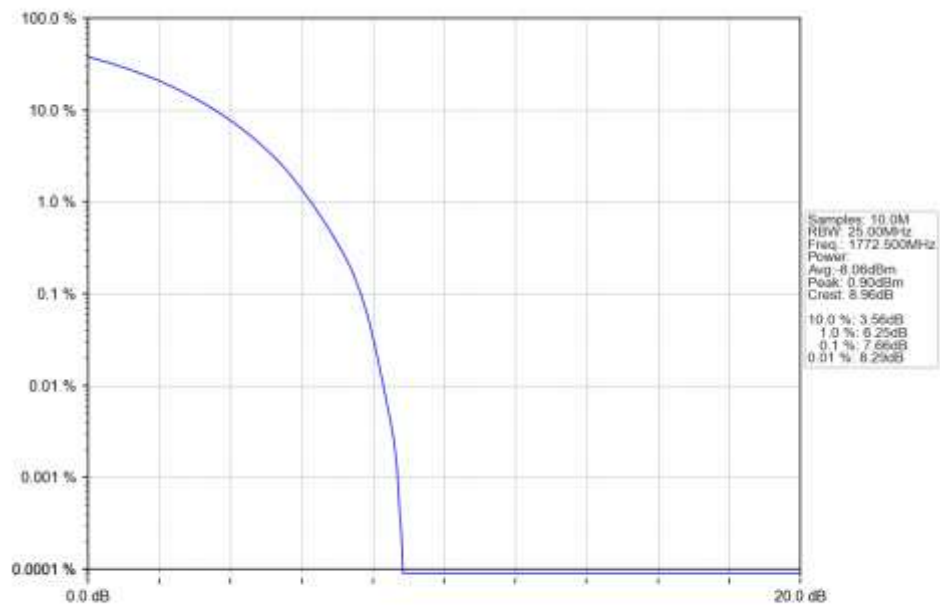
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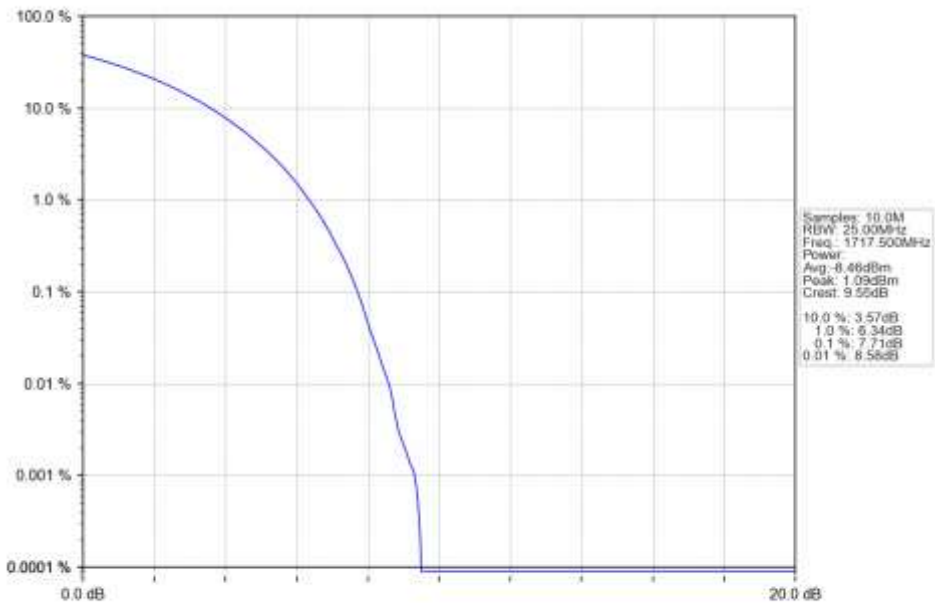
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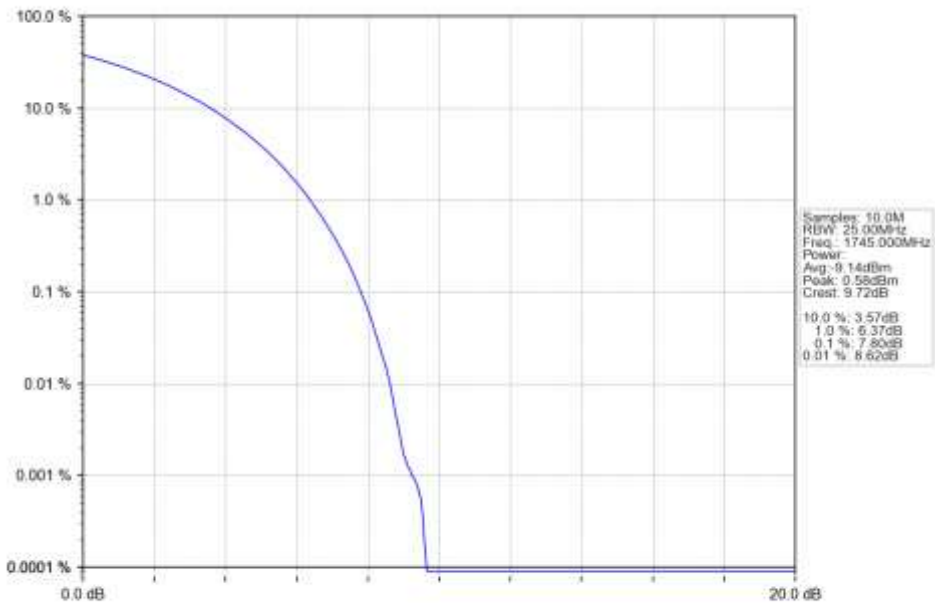
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_1717.5MHz_Outer_Full_Ant1



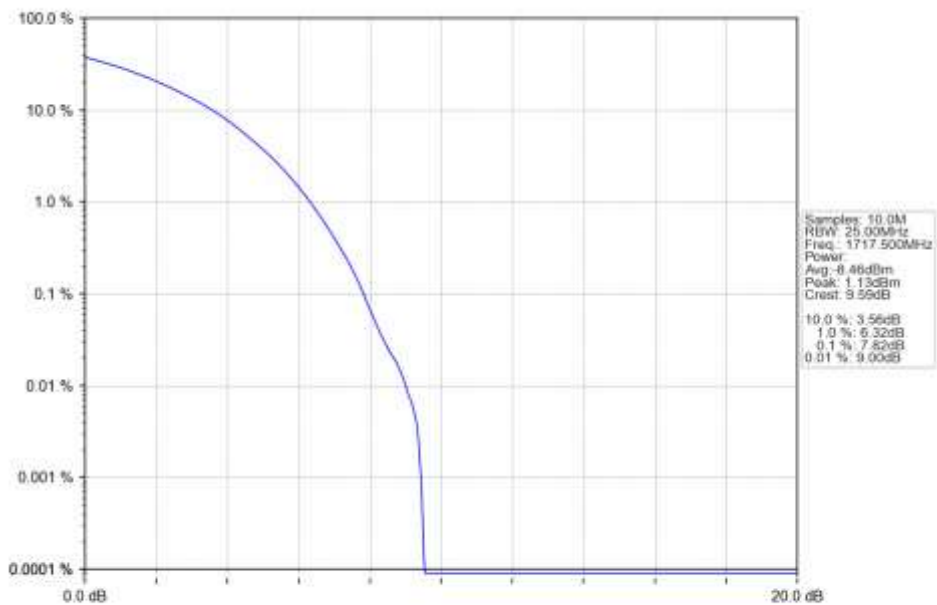
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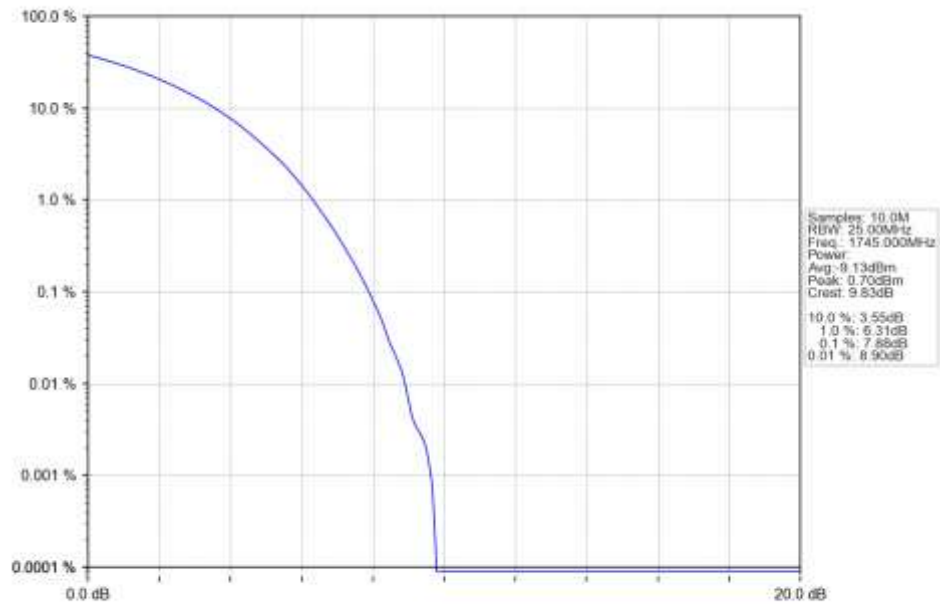
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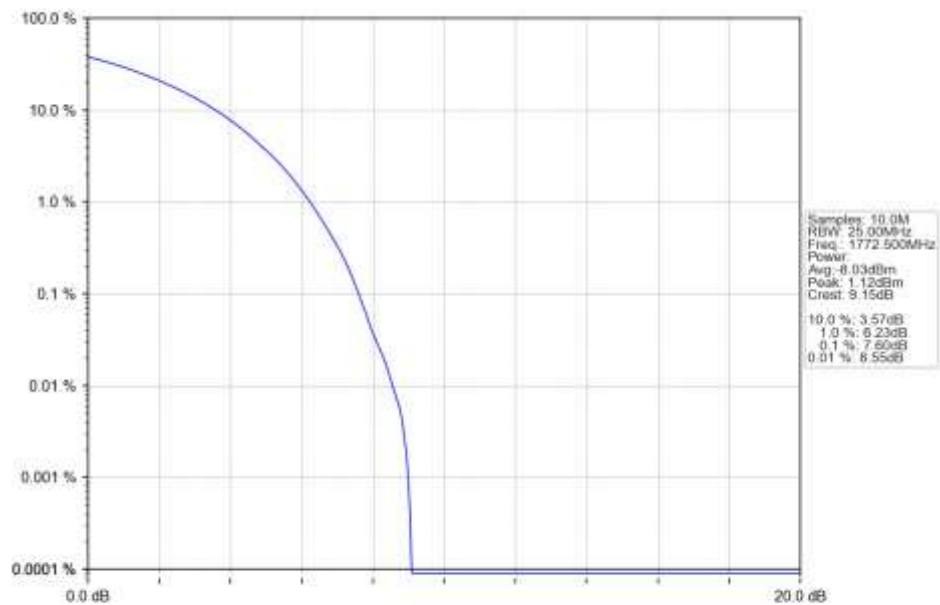
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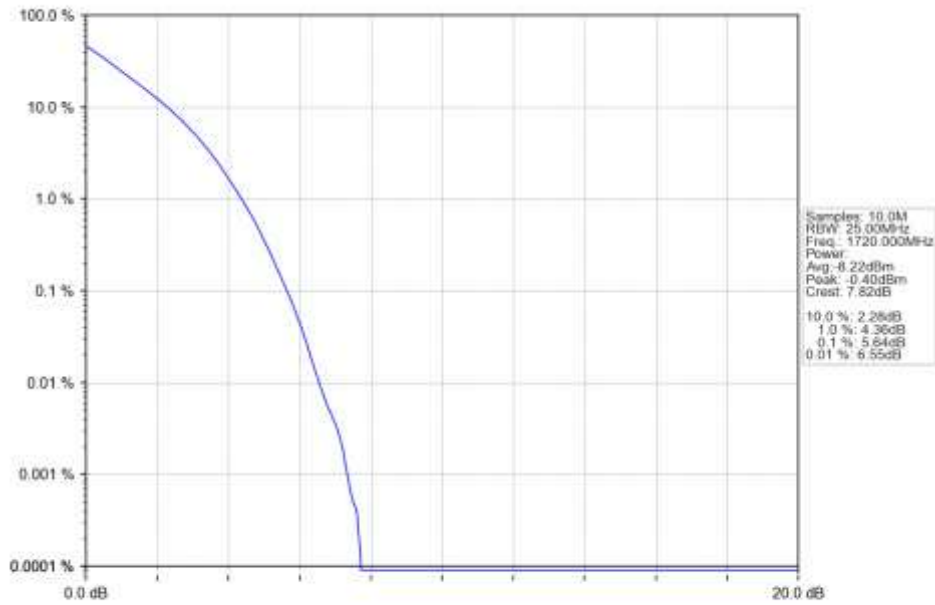


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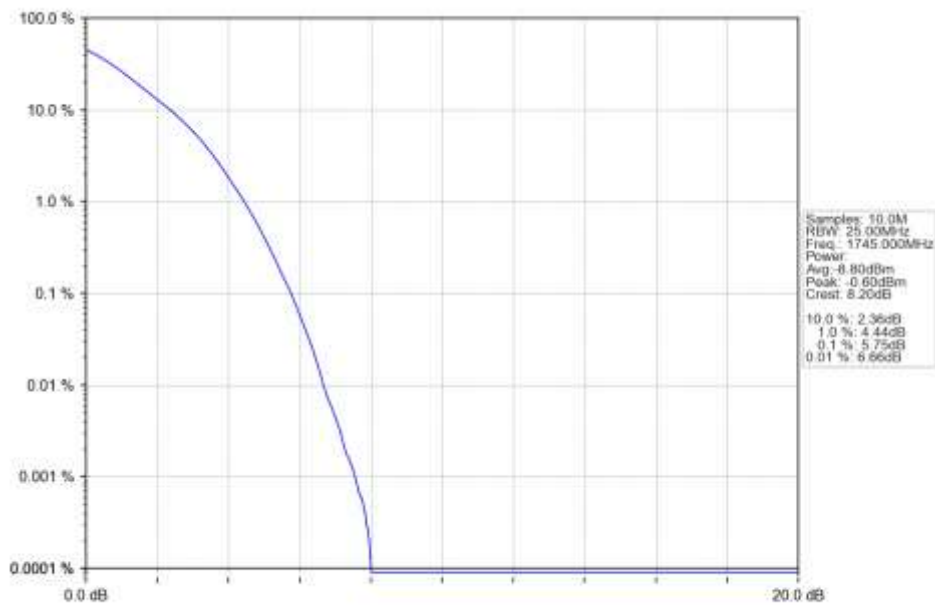


5.2.4 15k_SISO_20MHz_NTNV

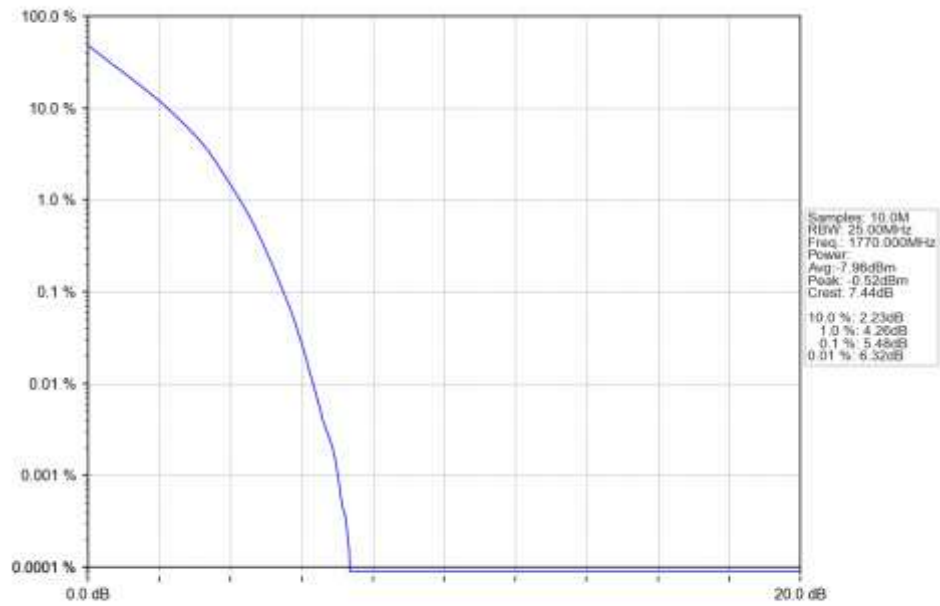
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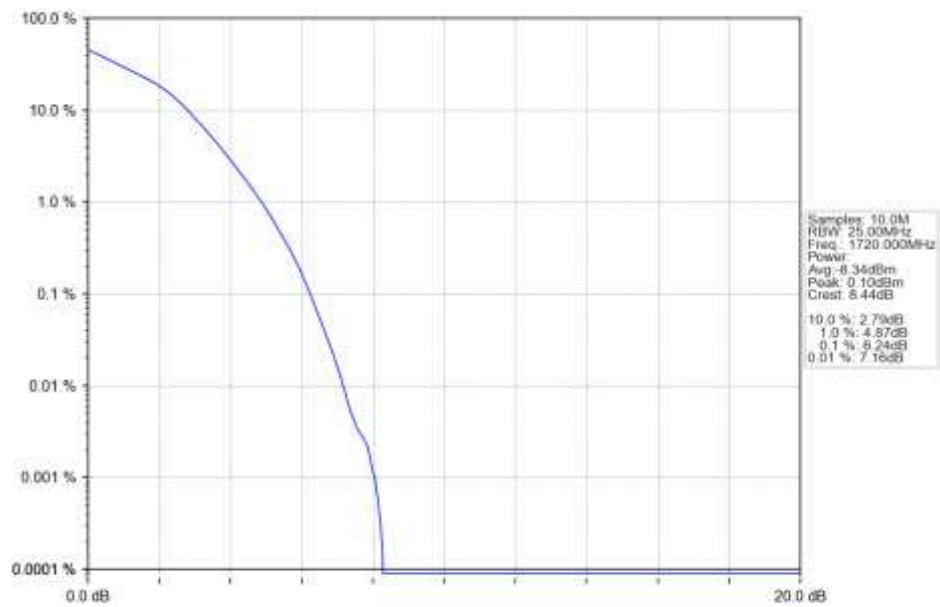
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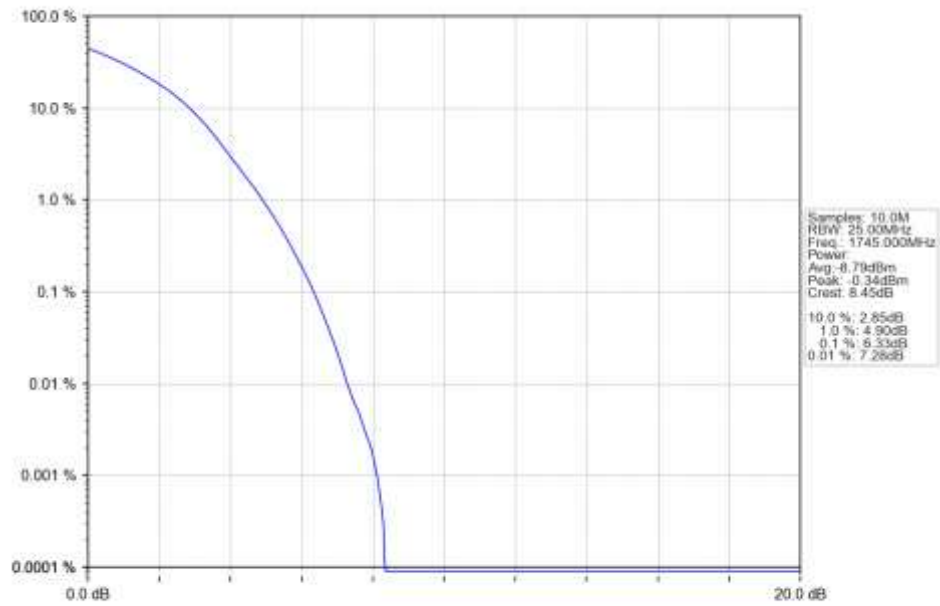
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1720MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1745MHz_Outer_Full_Ant1



n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1770MHz_Outer_Full_Ant1

