Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.19 30_MIMO_50M_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 50MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Outer_Full	25.13	25.10	28.13	21.65	21.62	24.65	<=30	Pass
		Inner_Full	26.67	26.63	29.66	23.19	23.15	26.18	<=30	Pass
		Inner_1RB_Left	26.52	26.51	29.52	23.04	23.03	26.05	<=30	Pass
		Inner_1RB_Right	26.74	26.70	29.73	23.26	23.22	26.25	<=30	Pass
	3840	Outer_Full	25.02	24.98	28.01	21.54	21.50	24.53	<=30	Pass
		Inner_Full	26.61	26.55	29.59	23.13	23.07	26.11	<=30	Pass
		Inner_1RB_Left	26.45	26.37	29.42	22.97	22.89	25.94	<=30	Pass
		Inner_1RB_Right	26.51	26.55	29.54	23.03	23.07	26.06	<=30	Pass
	3954.99	Outer_Full	25.32	25.34	28.34	21.84	21.86	24.86	<=30	Pass
		Inner_Full	26.76	26.80	29.79	23.28	23.32	26.31	<=30	Pass
		Inner_1RB_Left	26.60	26.57	29.59	23.12	23.09	26.12	<=30	Pass
		Inner_1RB_Right	26.60	26.63	29.63	23.12	23.15	26.15	<=30	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	24.64	24.61	27.64	21.16	21.13	24.16	<=30	Pass
		Inner_Full	26.64	26.60	29.63	23.16	23.12	26.15	<=30	Pass
		Inner_1RB_Left	26.47	26.46	29.47	22.99	22.98	26.00	<=30	Pass
		Inner_1RB_Right	26.73	26.69	29.72	23.25	23.21	26.24	<=30	Pass
	3840	Outer_Full	24.52	24.48	27.51	21.04	21.00	24.03	<=30	Pass
		Inner_Full	26.56	26.51	29.55	23.08	23.03	26.07	<=30	Pass
		Inner_1RB_Left	26.42	26.35	29.39	22.94	22.87	25.92	<=30	Pass
		Inner_1RB_Right	26.51	26.55	29.54	23.03	23.07	26.06	<=30	Pass
	3954.99	Outer_Full	24.74	24.77	27.77	21.26	21.29	24.29	<=30	Pass
		Inner_Full	26.81	26.85	29.84	23.33	23.37	26.36	<=30	Pass
		Inner_1RB_Left	26.67	26.64	29.67	23.19	23.16	26.19	<=30	Pass
		Inner_1RB_Right	26.60	26.64	29.63	23.12	23.16	26.15	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	23.63	23.61	26.63	20.15	20.13	23.15	<=30	Pass
		Inner_Full	25.68	25.64	28.67	22.20	22.16	25.19	<=30	Pass
		Inner_1RB_Left	25.50	25.49	28.51	22.02	22.01	25.03	<=30	Pass
		Inner_1RB_Right	25.74	25.70	28.73	22.26	22.22	25.25	<=30	Pass
	3840	Outer_Full	23.55	23.51	26.54	20.07	20.03	23.06	<=30	Pass
		Inner_Full	25.57	25.52	28.55	22.09	22.04	25.08	<=30	Pass
		Inner_1RB_Left	25.44	25.37	28.41	21.96	21.89	24.94	<=30	Pass
		Inner_1RB_Right	25.72	25.77	28.75	22.24	22.29	25.28	<=30	Pass
	3954.99	Outer_Full	23.81	23.84	26.84	20.33	20.36	23.36	<=30	Pass
		Inner_Full	25.73	25.77	28.76	22.25	22.29	25.28	<=30	Pass
		Inner_1RB_Left	25.64	25.61	28.63	22.16	22.13	25.16	<=30	Pass
		Inner_1RB_Right	25.50	25.54	28.53	22.02	22.06	25.05	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	23.17	23.14	26.16	19.69	19.66	22.69	<=30	Pass
		Inner_Full	23.54	23.50	26.53	20.06	20.02	23.05	<=30	Pass
		Inner_1RB_Left	23.52	23.51	26.52	20.04	20.03	23.05	<=30	Pass
		Inner_1RB_Right	23.60	23.57	26.60	20.12	20.09	23.12	<=30	Pass
	3840	Outer_Full	23.02	22.98	26.01	19.54	19.50	22.53	<=30	Pass
		Inner_Full	23.57	23.52	26.55	20.09	20.04	23.08	<=30	Pass
		Inner_1RB_Left	23.38	23.30	26.35	19.90	19.82	22.87	<=30	Pass
		Inner_1RB_Right	23.43	23.48	26.47	19.95	20.00	22.99	<=30	Pass
	3954.99	Outer_Full	23.23	23.26	26.26	19.75	19.78	22.78	<=30	Pass
		Inner_Full	23.81	23.86	26.85	20.33	20.38	23.37	<=30	Pass
		Inner_1RB_Left	23.46	23.43	26.46	19.98	19.95	22.98	<=30	Pass
		Inner_1RB_Right	23.42	23.46	26.45	19.94	19.98	22.97	<=30	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	22.16	22.13	25.16	18.68	18.65	21.68	<=30	Pass
		Inner_Full	22.03	21.99	25.02	18.55	18.51	21.54	<=30	Pass

		Inner_1RB_Left	22.00	21.99	25.01	18.52	18.51	21.53	<=30	Pass
		Inner_1RB_Right	22.33	22.30	25.33	18.85	18.82	21.85	<=30	Pass
	3840	Outer_Full	21.62	21.58	24.61	18.14	18.10	21.13	<=30	Pass
		Inner_Full	21.48	21.43	24.46	18.00	17.95	20.99	<=30	Pass
		Inner_1RB_Left	21.31	21.23	24.28	17.83	17.75	20.80	<=30	Pass
		Inner_1RB_Right	21.47	21.52	24.50	17.99	18.04	21.03	<=30	Pass
	3954.99	Outer_Full	21.98	22.01	25.00	18.50	18.53	21.53	<=30	Pass
		Inner_Full	22.08	22.12	25.11	18.60	18.64	21.63	<=30	Pass
		Inner_1RB_Left	21.82	21.79	24.81	18.34	18.31	21.34	<=30	Pass
		Inner_1RB_Right	21.82	21.86	24.85	18.34	18.38	21.37	<=30	Pass
CP-OFDM QPSK	3725.01	Outer_Full	22.48	22.45	25.47	19.00	18.97	22.00	<=30	Pass
		Inner_Full	25.31	25.27	28.30	21.83	21.79	24.82	<=30	Pass
		Inner_1RB_Left	24.95	24.94	27.96	21.47	21.46	24.48	<=30	Pass
		Inner_1RB_Right	25.37	25.33	28.36	21.89	21.85	24.88	<=30	Pass
	3840	Outer_Full	22.55	22.51	25.54	19.07	19.03	22.06	<=30	Pass
		Inner_Full	25.16	25.12	28.15	21.68	21.64	24.67	<=30	Pass
		Inner_1RB_Left	25.02	24.94	27.99	21.54	21.46	24.51	<=30	Pass
		Inner_1RB_Right	25.12	25.17	28.16	21.64	21.69	24.68	<=30	Pass
	3954.99	Outer_Full	22.73	22.76	25.76	19.25	19.28	22.28	<=30	Pass
		Inner_Full	25.23	25.27	28.26	21.75	21.79	24.78	<=30	Pass
		Inner_1RB_Left	25.14	25.12	28.14	21.66	21.64	24.66	<=30	Pass
		Inner_1RB_Right	25.12	25.16	28.15	21.64	21.68	24.67	<=30	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	22.58	22.55	25.57	19.10	19.07	22.10	<=30	Pass
		Inner_Full	24.67	24.63	27.66	21.19	21.15	24.18	<=30	Pass
		Inner_1RB_Left	24.40	24.39	27.41	20.92	20.91	23.93	<=30	Pass
		Inner_1RB_Right	24.62	24.58	27.61	21.14	21.10	24.13	<=30	Pass
	3840	Outer_Full	22.61	22.57	25.60	19.13	19.09	22.12	<=30	Pass
		Inner_Full	24.71	24.66	27.70	21.23	21.18	24.22	<=30	Pass
		Inner_1RB_Left	24.47	24.40	27.45	20.99	20.92	23.97	<=30	Pass
		Inner_1RB_Right	24.61	24.66	27.64	21.13	21.18	24.17	<=30	Pass
	3954.99	Outer_Full	22.74	22.77	25.77	19.26	19.29	22.29	<=30	Pass
		Inner_Full	24.79	24.84	27.82	21.31	21.36	24.35	<=30	Pass
		Inner_1RB_Left	24.50	24.47	27.50	21.02	20.99	24.02	<=30	Pass
		Inner_1RB_Right	24.41	24.45	27.44	20.93	20.97	23.96	<=30	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	22.12	22.09	25.11	18.64	18.61	21.64	<=30	Pass
		Inner_Full	22.58	22.55	25.58	19.10	19.07	22.10	<=30	Pass
		Inner_1RB_Left	22.40	22.39	25.40	18.92	18.91	21.93	<=30	Pass
		Inner_1RB_Right	22.77	22.74	25.76	19.29	19.26	22.29	<=30	Pass
	3840	Outer_Full	22.02	21.99	25.02	18.54	18.51	21.54	<=30	Pass
		Inner_Full	22.62	22.57	25.61	19.14	19.09	22.13	<=30	Pass
		Inner_1RB_Left	22.22	22.15	25.20	18.74	18.67	21.72	<=30	Pass
		Inner_1RB_Right	22.44	22.50	25.48	18.96	19.02	22.00	<=30	Pass
	3954.99	Outer_Full	22.17	22.20	25.19	18.69	18.72	21.72	<=30	Pass
		Inner_Full	22.79	22.84	25.82	19.31	19.36	22.35	<=30	Pass
		Inner_1RB_Left	22.67	22.64	25.67	19.19	19.16	22.19	<=30	Pass
		Inner_1RB_Right	22.59	22.64	25.63	19.11	19.16	22.15	<=30	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	20.36	20.33	23.36	16.88	16.85	19.88	<=30	Pass
		Inner_Full	20.46	20.43	23.46	16.98	16.95	19.98	<=30	Pass
		Inner_1RB_Left	20.18	20.17	23.18	16.70	16.69	19.71	<=30	Pass
		Inner_1RB_Right	20.39	20.36	23.39	16.91	16.88	19.91	<=30	Pass
	3840	Outer_Full	19.71	19.67	22.70	16.23	16.19	19.22	<=30	Pass
		Inner_Full	19.92	19.87	22.90	16.44	16.39	19.43	<=30	Pass
		Inner_1RB_Left	19.76	19.69	22.73	16.28	16.21	19.26	<=30	Pass
		Inner_1RB_Right	19.75	19.81	22.79	16.27	16.33	19.31	<=30	Pass
	3954.99	Outer_Full	20.31	20.34	23.34	16.83	16.86	19.86	<=30	Pass
		Inner_Full	20.14	20.18	23.17	16.66	16.70	19.69	<=30	Pass
		Inner_1RB_Left	20.02	19.99	23.01	16.54	16.51	19.54	<=30	Pass
		Inner_1RB_Right	19.95	19.99	22.98	16.47	16.51	19.50	<=30	Pass
Note1: Antenna Gain: Ant1: -3.48dBi; Ant2: -3.48dBi;										

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.20 30_MIMO_60M_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 60MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Outer_Full	25.12	25.10	28.12	21.64	21.62	24.64	<=30	Pass
		Inner_Full	26.68	26.64	29.67	23.20	23.16	26.19	<=30	Pass
		Inner_1RB_Left	26.32	26.31	29.32	22.84	22.83	25.85	<=30	Pass
		Inner_1RB_Right	26.73	26.67	29.71	23.25	23.19	26.23	<=30	Pass
	3840	Outer_Full	25.04	25.01	28.04	21.56	21.53	24.56	<=30	Pass
		Inner_Full	26.59	26.54	29.58	23.11	23.06	26.10	<=30	Pass
		Inner_1RB_Left	26.33	26.26	29.30	22.85	22.78	25.83	<=30	Pass
		Inner_1RB_Right	26.47	26.53	29.51	22.99	23.05	26.03	<=30	Pass
	3949.98	Outer_Full	25.30	25.30	28.31	21.82	21.82	24.83	<=30	Pass
		Inner_Full	26.89	26.90	29.90	23.41	23.42	26.43	<=30	Pass
		Inner_1RB_Left	26.64	26.59	29.63	23.16	23.11	26.15	<=30	Pass
		Inner_1RB_Right	26.66	26.67	29.67	23.18	23.19	26.20	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	24.57	24.55	27.57	21.09	21.07	24.09	<=30	Pass
		Inner_Full	26.62	26.58	29.61	23.14	23.10	26.13	<=30	Pass
		Inner_1RB_Left	26.34	26.34	29.35	22.86	22.86	25.87	<=30	Pass
		Inner_1RB_Right	26.76	26.70	29.74	23.28	23.22	26.26	<=30	Pass
	3840	Outer_Full	24.48	24.44	27.47	21.00	20.96	23.99	<=30	Pass
		Inner_Full	26.56	26.51	29.54	23.08	23.03	26.07	<=30	Pass
		Inner_1RB_Left	26.32	26.25	29.29	22.84	22.77	25.82	<=30	Pass
		Inner_1RB_Right	26.68	26.75	29.72	23.20	23.27	26.25	<=30	Pass
	3949.98	Outer_Full	24.77	24.77	27.78	21.29	21.29	24.30	<=30	Pass
		Inner_Full	26.83	26.84	29.84	23.35	23.36	26.37	<=30	Pass
		Inner_1RB_Left	26.57	26.52	29.56	23.09	23.04	26.08	<=30	Pass
		Inner_1RB_Right	26.55	26.56	29.57	23.07	23.08	26.09	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	23.57	23.55	26.57	20.09	20.07	23.09	<=30	Pass
		Inner_Full	25.79	25.76	28.79	22.31	22.28	25.31	<=30	Pass
		Inner_1RB_Left	25.48	25.47	28.48	22.00	21.99	25.01	<=30	Pass
		Inner_1RB_Right	25.90	25.85	28.89	22.42	22.37	25.41	<=30	Pass
	3840	Outer_Full	23.47	23.44	26.46	19.99	19.96	22.99	<=30	Pass
		Inner_Full	25.55	25.50	28.54	22.07	22.02	25.06	<=30	Pass
		Inner_1RB_Left	25.45	25.38	28.43	21.97	21.90	24.95	<=30	Pass
		Inner_1RB_Right	25.82	25.88	28.86	22.34	22.40	25.38	<=30	Pass
	3949.98	Outer_Full	23.84	23.84	26.85	20.36	20.36	23.37	<=30	Pass
		Inner_Full	25.84	25.85	28.86	22.36	22.37	25.38	<=30	Pass
		Inner_1RB_Left	25.73	25.67	28.71	22.25	22.19	25.23	<=30	Pass
		Inner_1RB_Right	25.75	25.76	28.76	22.27	22.28	25.29	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	23.09	23.07	26.09	19.61	19.59	22.61	<=30	Pass
		Inner_Full	23.70	23.67	26.70	20.22	20.19	23.22	<=30	Pass
		Inner_1RB_Left	23.56	23.56	26.57	20.08	20.08	23.09	<=30	Pass
		Inner_1RB_Right	23.88	23.82	26.86	20.40	20.34	23.38	<=30	Pass
	3840	Outer_Full	23.04	23.01	26.03	19.56	19.53	22.56	<=30	Pass
		Inner_Full	23.52	23.48	26.51	20.04	20.00	23.03	<=30	Pass
		Inner_1RB_Left	23.20	23.13	26.18	19.72	19.65	22.70	<=30	Pass
		Inner_1RB_Right	23.52	23.58	26.56	20.04	20.10	23.08	<=30	Pass
	3949.98	Outer_Full	23.27	23.27	26.28	19.79	19.79	22.80	<=30	Pass
		Inner_Full	23.84	23.85	26.85	20.36	20.37	23.38	<=30	Pass
		Inner_1RB_Left	23.50	23.44	26.48	20.02	19.96	23.00	<=30	Pass
		Inner_1RB_Right	23.70	23.71	26.72	20.22	20.23	23.24	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	22.25	22.22	25.25	18.77	18.74	21.77	<=30	Pass
		Inner_Full	22.36	22.33	25.36	18.88	18.85	21.88	<=30	Pass

		Inner_1RB_Left	22.17	22.17	25.18	18.69	18.69	21.70	<=30	Pass
		Inner_1RB_Right	22.36	22.31	25.34	18.88	18.83	21.87	<=30	Pass
	3840	Outer_Full	21.91	21.88	24.90	18.43	18.40	21.43	<=30	Pass
		Inner_Full	22.07	22.02	25.06	18.59	18.54	21.58	<=30	Pass
		Inner_1RB_Left	21.91	21.84	24.88	18.43	18.36	21.41	<=30	Pass
		Inner_1RB_Right	21.75	21.82	24.80	18.27	18.34	21.32	<=30	Pass
	3949.98	Outer_Full	21.61	21.61	24.62	18.13	18.13	21.14	<=30	Pass
		Inner_Full	21.74	21.74	24.75	18.26	18.26	21.27	<=30	Pass
		Inner_1RB_Left	21.33	21.27	24.31	17.85	17.79	20.83	<=30	Pass
		Inner_1RB_Right	21.31	21.32	24.33	17.83	17.84	20.85	<=30	Pass
CP-OFDM QPSK	3730.02	Outer_Full	22.54	22.52	25.54	19.06	19.04	22.06	<=30	Pass
		Inner_Full	25.22	25.19	28.21	21.74	21.71	24.74	<=30	Pass
		Inner_1RB_Left	24.95	24.94	27.95	21.47	21.46	24.48	<=30	Pass
		Inner_1RB_Right	25.28	25.22	28.26	21.80	21.74	24.78	<=30	Pass
	3840	Outer_Full	22.39	22.36	25.39	18.91	18.88	21.91	<=30	Pass
		Inner_Full	25.04	25.00	28.03	21.56	21.52	24.55	<=30	Pass
		Inner_1RB_Left	24.91	24.84	27.89	21.43	21.36	24.41	<=30	Pass
		Inner_1RB_Right	25.01	25.08	28.06	21.53	21.60	24.58	<=30	Pass
	3949.98	Outer_Full	22.70	22.70	25.71	19.22	19.22	22.23	<=30	Pass
		Inner_Full	25.30	25.31	28.31	21.82	21.83	24.84	<=30	Pass
		Inner_1RB_Left	25.04	24.98	28.02	21.56	21.50	24.54	<=30	Pass
		Inner_1RB_Right	25.00	25.00	28.01	21.52	21.52	24.53	<=30	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	22.54	22.52	25.54	19.06	19.04	22.06	<=30	Pass
		Inner_Full	24.71	24.67	27.70	21.23	21.19	24.22	<=30	Pass
		Inner_1RB_Left	24.26	24.25	27.26	20.78	20.77	23.79	<=30	Pass
		Inner_1RB_Right	24.59	24.53	27.57	21.11	21.05	24.09	<=30	Pass
	3840	Outer_Full	22.38	22.35	25.37	18.90	18.87	21.90	<=30	Pass
		Inner_Full	24.57	24.53	27.56	21.09	21.05	24.08	<=30	Pass
		Inner_1RB_Left	24.15	24.09	27.13	20.67	20.61	23.65	<=30	Pass
		Inner_1RB_Right	24.30	24.37	27.35	20.82	20.89	23.87	<=30	Pass
	3949.98	Outer_Full	22.70	22.70	25.71	19.22	19.22	22.23	<=30	Pass
		Inner_Full	24.86	24.87	27.87	21.38	21.39	24.40	<=30	Pass
		Inner_1RB_Left	24.59	24.53	27.57	21.11	21.05	24.09	<=30	Pass
		Inner_1RB_Right	24.84	24.85	27.85	21.36	21.37	24.38	<=30	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	22.00	21.97	24.99	18.52	18.49	21.52	<=30	Pass
		Inner_Full	22.67	22.63	25.66	19.19	19.15	22.18	<=30	Pass
		Inner_1RB_Left	22.50	22.49	25.51	19.02	19.01	22.03	<=30	Pass
		Inner_1RB_Right	22.85	22.80	25.83	19.37	19.32	22.36	<=30	Pass
	3840	Outer_Full	21.96	21.93	24.96	18.48	18.45	21.48	<=30	Pass
		Inner_Full	22.50	22.46	25.49	19.02	18.98	22.01	<=30	Pass
		Inner_1RB_Left	22.45	22.38	25.43	18.97	18.90	21.95	<=30	Pass
		Inner_1RB_Right	22.52	22.59	25.57	19.04	19.11	22.09	<=30	Pass
	3949.98	Outer_Full	22.31	22.31	25.32	18.83	18.83	21.84	<=30	Pass
		Inner_Full	22.83	22.83	25.84	19.35	19.35	22.36	<=30	Pass
		Inner_1RB_Left	22.67	22.61	25.65	19.19	19.13	22.17	<=30	Pass
		Inner_1RB_Right	22.80	22.81	25.81	19.32	19.33	22.34	<=30	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	20.39	20.36	23.39	16.91	16.88	19.91	<=30	Pass
		Inner_Full	20.50	20.47	23.49	17.02	16.99	20.02	<=30	Pass
		Inner_1RB_Left	20.03	20.02	23.03	16.55	16.54	19.56	<=30	Pass
		Inner_1RB_Right	20.18	20.13	23.17	16.70	16.65	19.69	<=30	Pass
	3840	Outer_Full	19.97	19.94	22.97	16.49	16.46	19.49	<=30	Pass
		Inner_Full	20.15	20.11	23.14	16.67	16.63	19.66	<=30	Pass
		Inner_1RB_Left	19.74	19.67	22.71	16.26	16.19	19.24	<=30	Pass
		Inner_1RB_Right	19.70	19.77	22.75	16.22	16.29	19.27	<=30	Pass
	3949.98	Outer_Full	19.98	19.98	22.99	16.50	16.50	19.51	<=30	Pass
		Inner_Full	20.02	20.03	23.03	16.54	16.55	19.56	<=30	Pass
		Inner_1RB_Left	17.87	17.81	20.85	14.39	14.33	17.37	<=30	Pass
		Inner_1RB_Right	19.60	19.61	22.62	16.12	16.13	19.14	<=30	Pass
Note1: Antenna Gain: Ant1: -3.48dBi; Ant2: -3.48dBi;										

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.21 30_MIMO_70M_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 70MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3735	Outer_Full	25.08	25.06	28.08	21.60	21.58	24.60	<=30	Pass
		Inner_Full	26.49	26.47	29.49	23.01	22.99	26.01	<=30	Pass
		Inner_1RB_Left	26.31	26.32	29.33	22.83	22.84	25.85	<=30	Pass
		Inner_1RB_Right	26.79	26.74	29.77	23.31	23.26	26.30	<=30	Pass
	3840	Outer_Full	24.97	24.93	27.96	21.49	21.45	24.48	<=30	Pass
		Inner_Full	26.48	26.43	29.46	23.00	22.95	25.99	<=30	Pass
		Inner_1RB_Left	26.33	26.26	29.30	22.85	22.78	25.83	<=30	Pass
		Inner_1RB_Right	26.38	26.50	29.45	22.90	23.02	25.97	<=30	Pass
	3945	Outer_Full	25.28	25.31	28.31	21.80	21.83	24.83	<=30	Pass
		Inner_Full	26.84	26.87	29.87	23.36	23.39	26.39	<=30	Pass
		Inner_1RB_Left	26.57	26.53	29.56	23.09	23.05	26.08	<=30	Pass
		Inner_1RB_Right	26.50	26.55	29.54	23.02	23.07	26.06	<=30	Pass
DFT-s-OFDM QPSK	3735	Outer_Full	24.61	24.59	27.61	21.13	21.11	24.13	<=30	Pass
		Inner_Full	26.62	26.60	29.62	23.14	23.12	26.14	<=30	Pass
		Inner_1RB_Left	26.19	26.20	29.20	22.71	22.72	25.73	<=30	Pass
		Inner_1RB_Right	26.79	26.74	29.77	23.31	23.26	26.30	<=30	Pass
	3840	Outer_Full	24.40	24.36	27.39	20.92	20.88	23.91	<=30	Pass
		Inner_Full	26.60	26.55	29.58	23.12	23.07	26.11	<=30	Pass
		Inner_1RB_Left	26.31	26.24	29.29	22.83	22.76	25.81	<=30	Pass
		Inner_1RB_Right	26.45	26.56	29.51	22.97	23.08	26.04	<=30	Pass
	3945	Outer_Full	24.79	24.82	27.82	21.31	21.34	24.34	<=30	Pass
		Inner_Full	26.87	26.90	29.90	23.39	23.42	26.42	<=30	Pass
		Inner_1RB_Left	26.64	26.61	29.64	23.16	23.13	26.16	<=30	Pass
		Inner_1RB_Right	26.55	26.60	29.59	23.07	23.12	26.11	<=30	Pass
DFT-s-OFDM 16 QAM	3735	Outer_Full	23.60	23.58	26.60	20.12	20.10	23.12	<=30	Pass
		Inner_Full	25.60	25.58	28.60	22.12	22.10	25.12	<=30	Pass
		Inner_1RB_Left	25.48	25.48	28.49	22.00	22.00	25.01	<=30	Pass
		Inner_1RB_Right	25.91	25.86	28.90	22.43	22.38	25.42	<=30	Pass
	3840	Outer_Full	23.46	23.43	26.46	19.98	19.95	22.98	<=30	Pass
		Inner_Full	25.53	25.48	28.52	22.05	22.00	25.04	<=30	Pass
		Inner_1RB_Left	25.48	25.41	28.45	22.00	21.93	24.98	<=30	Pass
		Inner_1RB_Right	25.58	25.69	28.65	22.10	22.21	25.17	<=30	Pass
	3945	Outer_Full	23.78	23.81	26.81	20.30	20.33	23.33	<=30	Pass
		Inner_Full	25.86	25.89	28.88	22.38	22.41	25.41	<=30	Pass
		Inner_1RB_Left	25.61	25.58	28.61	22.13	22.10	25.13	<=30	Pass
		Inner_1RB_Right	25.66	25.71	28.69	22.18	22.23	25.22	<=30	Pass
DFT-s-OFDM 64 QAM	3735	Outer_Full	23.11	23.09	26.11	19.63	19.61	22.63	<=30	Pass
		Inner_Full	23.48	23.46	26.48	20.00	19.98	23.00	<=30	Pass
		Inner_1RB_Left	23.26	23.27	26.28	19.78	19.79	22.80	<=30	Pass
		Inner_1RB_Right	23.78	23.73	26.76	20.30	20.25	23.29	<=30	Pass
	3840	Outer_Full	22.88	22.85	25.88	19.40	19.37	22.40	<=30	Pass
		Inner_Full	23.53	23.48	26.52	20.05	20.00	23.04	<=30	Pass
		Inner_1RB_Left	23.21	23.14	26.19	19.73	19.66	22.71	<=30	Pass
		Inner_1RB_Right	23.28	23.39	26.35	19.80	19.91	22.87	<=30	Pass
	3945	Outer_Full	23.33	23.35	26.35	19.85	19.87	22.87	<=30	Pass
		Inner_Full	23.88	23.90	26.90	20.40	20.42	23.42	<=30	Pass
		Inner_1RB_Left	23.32	23.29	26.32	19.84	19.81	22.84	<=30	Pass
		Inner_1RB_Right	23.52	23.58	26.56	20.04	20.10	23.08	<=30	Pass
DFT-s-OFDM 256 QAM	3735	Outer_Full	22.03	22.01	25.03	18.55	18.53	21.55	<=30	Pass
		Inner_Full	22.29	22.27	25.29	18.81	18.79	21.81	<=30	Pass

		Inner_1RB_Left	21.80	21.81	24.81	18.32	18.33	21.34	<=30	Pass
		Inner_1RB_Right	22.13	22.08	25.11	18.65	18.60	21.64	<=30	Pass
	3840	Outer_Full	21.92	21.89	24.91	18.44	18.41	21.44	<=30	Pass
		Inner_Full	22.07	22.03	25.06	18.59	18.55	21.58	<=30	Pass
		Inner_1RB_Left	21.87	21.80	24.84	18.39	18.32	21.37	<=30	Pass
		Inner_1RB_Right	21.89	22.00	24.95	18.41	18.52	21.48	<=30	Pass
	3945	Outer_Full	22.31	22.34	25.34	18.83	18.86	21.86	<=30	Pass
		Inner_Full	22.38	22.41	25.40	18.90	18.93	21.93	<=30	Pass
		Inner_1RB_Left	22.16	22.13	25.16	18.68	18.65	21.68	<=30	Pass
		Inner_1RB_Right	22.37	22.43	25.41	18.89	18.95	21.93	<=30	Pass
CP-OFDM QPSK	3735	Outer_Full	22.41	22.39	25.41	18.93	18.91	21.93	<=30	Pass
		Inner_Full	25.14	25.12	28.14	21.66	21.64	24.66	<=30	Pass
		Inner_1RB_Left	24.81	24.82	27.82	21.33	21.34	24.35	<=30	Pass
		Inner_1RB_Right	25.27	25.22	28.26	21.79	21.74	24.78	<=30	Pass
	3840	Outer_Full	22.44	22.41	25.44	18.96	18.93	21.96	<=30	Pass
		Inner_Full	25.06	25.02	28.05	21.58	21.54	24.57	<=30	Pass
		Inner_1RB_Left	24.88	24.81	27.85	21.40	21.33	24.38	<=30	Pass
		Inner_1RB_Right	24.96	25.08	28.03	21.48	21.60	24.55	<=30	Pass
	3945	Outer_Full	22.75	22.77	25.77	19.27	19.29	22.29	<=30	Pass
		Inner_Full	25.36	25.39	28.39	21.88	21.91	24.91	<=30	Pass
		Inner_1RB_Left	25.17	25.14	28.16	21.69	21.66	24.69	<=30	Pass
		Inner_1RB_Right	25.17	25.22	28.20	21.69	21.74	24.73	<=30	Pass
CP-OFDM 16 QAM	3735	Outer_Full	22.55	22.53	25.55	19.07	19.05	22.07	<=30	Pass
		Inner_Full	24.78	24.76	27.78	21.30	21.28	24.30	<=30	Pass
		Inner_1RB_Left	24.23	24.23	27.24	20.75	20.75	23.76	<=30	Pass
		Inner_1RB_Right	24.59	24.55	27.58	21.11	21.07	24.10	<=30	Pass
	3840	Outer_Full	22.46	22.43	25.45	18.98	18.95	21.98	<=30	Pass
		Inner_Full	24.55	24.51	27.54	21.07	21.03	24.06	<=30	Pass
		Inner_1RB_Left	24.24	24.18	27.22	20.76	20.70	23.74	<=30	Pass
		Inner_1RB_Right	24.32	24.44	27.39	20.84	20.96	23.91	<=30	Pass
	3945	Outer_Full	22.85	22.88	25.88	19.37	19.40	22.40	<=30	Pass
		Inner_Full	24.88	24.92	27.91	21.40	21.44	24.43	<=30	Pass
		Inner_1RB_Left	24.37	24.34	27.36	20.89	20.86	23.89	<=30	Pass
		Inner_1RB_Right	24.58	24.63	27.61	21.10	21.15	24.14	<=30	Pass
CP-OFDM 64 QAM	3735	Outer_Full	22.10	22.08	25.10	18.62	18.60	21.62	<=30	Pass
		Inner_Full	22.59	22.57	25.59	19.11	19.09	22.11	<=30	Pass
		Inner_1RB_Left	22.30	22.31	25.31	18.82	18.83	21.84	<=30	Pass
		Inner_1RB_Right	22.77	22.72	25.75	19.29	19.24	22.28	<=30	Pass
	3840	Outer_Full	21.89	21.87	24.89	18.41	18.39	21.41	<=30	Pass
		Inner_Full	22.53	22.49	25.52	19.05	19.01	22.04	<=30	Pass
		Inner_1RB_Left	22.21	22.15	25.19	18.73	18.67	21.71	<=30	Pass
		Inner_1RB_Right	22.35	22.46	25.42	18.87	18.98	21.94	<=30	Pass
	3945	Outer_Full	22.25	22.28	25.27	18.77	18.80	21.80	<=30	Pass
		Inner_Full	22.98	23.02	26.01	19.50	19.54	22.53	<=30	Pass
		Inner_1RB_Left	22.42	22.39	25.42	18.94	18.91	21.94	<=30	Pass
		Inner_1RB_Right	22.53	22.58	25.57	19.05	19.10	22.09	<=30	Pass
CP-OFDM 256 QAM	3735	Outer_Full	20.31	20.29	23.31	16.83	16.81	19.83	<=30	Pass
		Inner_Full	20.55	20.53	23.55	17.07	17.05	20.07	<=30	Pass
		Inner_1RB_Left	20.28	20.29	23.30	16.80	16.81	19.82	<=30	Pass
		Inner_1RB_Right	20.41	20.36	23.39	16.93	16.88	19.92	<=30	Pass
	3840	Outer_Full	20.14	20.12	23.14	16.66	16.64	19.66	<=30	Pass
		Inner_Full	20.29	20.25	23.28	16.81	16.77	19.80	<=30	Pass
		Inner_1RB_Left	19.90	19.83	22.88	16.42	16.35	19.40	<=30	Pass
		Inner_1RB_Right	20.05	20.17	23.12	16.57	16.69	19.64	<=30	Pass
	3945	Outer_Full	20.54	20.57	23.56	17.06	17.09	20.09	<=30	Pass
		Inner_Full	20.70	20.73	23.73	17.22	17.25	20.25	<=30	Pass
		Inner_1RB_Left	20.16	20.13	23.15	16.68	16.65	19.68	<=30	Pass
		Inner_1RB_Right	20.40	20.46	23.44	16.92	16.98	19.96	<=30	Pass
Note1: Antenna Gain: Ant1: -3.48dBi; Ant2: -3.48dBi;										

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.22 30_MIMO_80M_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 80MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Outer_Full	25.08	25.10	28.10	21.60	21.62	24.62	<=30	Pass
		Inner_Full	26.60	26.60	29.61	23.12	23.12	26.13	<=30	Pass
		Inner_1RB_Left	26.24	26.27	29.27	22.76	22.79	25.79	<=30	Pass
		Inner_1RB_Right	26.69	26.75	29.73	23.21	23.27	26.25	<=30	Pass
	3840	Outer_Full	25.02	25.00	28.02	21.54	21.52	24.54	<=30	Pass
		Inner_Full	26.61	26.57	29.60	23.13	23.09	26.12	<=30	Pass
		Inner_1RB_Left	26.30	26.22	29.27	22.82	22.74	25.79	<=30	Pass
		Inner_1RB_Right	26.44	26.61	29.54	22.96	23.13	26.06	<=30	Pass
	3939.99	Outer_Full	25.23	25.31	28.28	21.75	21.83	24.80	<=30	Pass
		Inner_Full	26.79	26.87	29.84	23.31	23.39	26.36	<=30	Pass
		Inner_1RB_Left	26.40	26.41	29.42	22.92	22.93	25.94	<=30	Pass
		Inner_1RB_Right	26.64	26.76	29.71	23.16	23.28	26.23	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	24.61	24.62	27.62	21.13	21.14	24.15	<=30	Pass
		Inner_Full	26.69	26.70	29.70	23.21	23.22	26.23	<=30	Pass
		Inner_1RB_Left	26.28	26.31	29.30	22.80	22.83	25.83	<=30	Pass
		Inner_1RB_Right	26.83	26.89	29.87	23.35	23.41	26.39	<=30	Pass
	3840	Outer_Full	24.47	24.45	27.47	20.99	20.97	23.99	<=30	Pass
		Inner_Full	26.52	26.48	29.51	23.04	23.00	26.03	<=30	Pass
		Inner_1RB_Left	26.34	26.27	29.32	22.86	22.79	25.84	<=30	Pass
		Inner_1RB_Right	26.51	26.68	29.61	23.03	23.20	26.13	<=30	Pass
	3939.99	Outer_Full	24.81	24.88	27.86	21.33	21.40	24.38	<=30	Pass
		Inner_Full	26.85	26.93	29.90	23.37	23.45	26.42	<=30	Pass
		Inner_1RB_Left	26.44	26.46	29.46	22.96	22.98	25.98	<=30	Pass
		Inner_1RB_Right	26.52	26.63	29.59	23.04	23.15	26.11	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	23.61	23.63	26.63	20.13	20.15	23.15	<=30	Pass
		Inner_Full	25.70	25.70	28.71	22.22	22.22	25.23	<=30	Pass
		Inner_1RB_Left	25.37	25.40	28.39	21.89	21.92	24.92	<=30	Pass
		Inner_1RB_Right	25.66	25.73	28.71	22.18	22.25	25.23	<=30	Pass
	3840	Outer_Full	23.48	23.46	26.48	20.00	19.98	23.00	<=30	Pass
		Inner_Full	25.59	25.55	28.58	22.11	22.07	25.10	<=30	Pass
		Inner_1RB_Left	25.39	25.31	28.36	21.91	21.83	24.88	<=30	Pass
		Inner_1RB_Right	25.63	25.81	28.73	22.15	22.33	25.25	<=30	Pass
	3939.99	Outer_Full	23.65	23.73	26.70	20.17	20.25	23.22	<=30	Pass
		Inner_Full	25.82	25.90	28.87	22.34	22.42	25.39	<=30	Pass
		Inner_1RB_Left	25.55	25.57	28.57	22.07	22.09	25.09	<=30	Pass
		Inner_1RB_Right	25.61	25.72	28.67	22.13	22.24	25.20	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	23.10	23.11	26.11	19.62	19.63	22.64	<=30	Pass
		Inner_Full	23.52	23.53	26.54	20.04	20.05	23.06	<=30	Pass
		Inner_1RB_Left	23.20	23.23	26.22	19.72	19.75	22.75	<=30	Pass
		Inner_1RB_Right	23.69	23.76	26.74	20.21	20.28	23.26	<=30	Pass
	3840	Outer_Full	22.98	22.96	25.98	19.50	19.48	22.50	<=30	Pass
		Inner_Full	23.51	23.47	26.50	20.03	19.99	23.02	<=30	Pass
		Inner_1RB_Left	23.40	23.33	26.38	19.92	19.85	22.90	<=30	Pass
		Inner_1RB_Right	23.41	23.59	26.51	19.93	20.11	23.03	<=30	Pass
	3939.99	Outer_Full	23.16	23.24	26.21	19.68	19.76	22.73	<=30	Pass
		Inner_Full	23.72	23.80	26.77	20.24	20.32	23.29	<=30	Pass
		Inner_1RB_Left	23.50	23.51	26.52	20.02	20.03	23.04	<=30	Pass
		Inner_1RB_Right	23.53	23.65	26.60	20.05	20.17	23.12	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	22.41	22.42	25.42	18.93	18.94	21.95	<=30	Pass
		Inner_Full	22.73	22.74	25.75	19.25	19.26	22.27	<=30	Pass

		Inner_1RB_Left	22.21	22.25	25.24	18.73	18.77	21.76	<=30	Pass
		Inner_1RB_Right	22.61	22.68	25.66	19.13	19.20	22.18	<=30	Pass
	3840	Outer_Full	21.96	21.94	24.96	18.48	18.46	21.48	<=30	Pass
		Inner_Full	22.08	22.04	25.07	18.60	18.56	21.59	<=30	Pass
		Inner_1RB_Left	21.87	21.79	24.84	18.39	18.31	21.36	<=30	Pass
		Inner_1RB_Right	22.02	22.20	25.12	18.54	18.72	21.64	<=30	Pass
	3939.99	Outer_Full	21.91	21.98	24.96	18.43	18.50	21.48	<=30	Pass
		Inner_Full	21.91	22.00	24.97	18.43	18.52	21.49	<=30	Pass
		Inner_1RB_Left	21.47	21.49	24.49	17.99	18.01	21.01	<=30	Pass
		Inner_1RB_Right	21.68	21.79	24.75	18.20	18.31	21.27	<=30	Pass
CP-OFDM QPSK	3740.01	Outer_Full	22.44	22.45	25.45	18.96	18.97	21.98	<=30	Pass
		Inner_Full	25.10	25.10	28.11	21.62	21.62	24.63	<=30	Pass
		Inner_1RB_Left	24.86	24.89	27.88	21.38	21.41	24.41	<=30	Pass
		Inner_1RB_Right	25.21	25.27	28.25	21.73	21.79	24.77	<=30	Pass
	3840	Outer_Full	22.28	22.27	25.28	18.80	18.79	21.81	<=30	Pass
		Inner_Full	25.04	25.00	28.03	21.56	21.52	24.55	<=30	Pass
		Inner_1RB_Left	24.87	24.79	27.84	21.39	21.31	24.36	<=30	Pass
		Inner_1RB_Right	25.01	25.19	28.11	21.53	21.71	24.63	<=30	Pass
	3939.99	Outer_Full	22.61	22.68	25.65	19.13	19.20	22.18	<=30	Pass
		Inner_Full	25.34	25.42	28.39	21.86	21.94	24.91	<=30	Pass
		Inner_1RB_Left	24.94	24.95	27.96	21.46	21.47	24.48	<=30	Pass
		Inner_1RB_Right	25.26	25.38	28.33	21.78	21.90	24.85	<=30	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	22.50	22.52	25.52	19.02	19.04	22.04	<=30	Pass
		Inner_Full	24.62	24.62	27.63	21.14	21.14	24.15	<=30	Pass
		Inner_1RB_Left	24.20	24.23	27.23	20.72	20.75	23.75	<=30	Pass
		Inner_1RB_Right	24.66	24.73	27.71	21.18	21.25	24.23	<=30	Pass
	3840	Outer_Full	22.43	22.41	25.43	18.95	18.93	21.95	<=30	Pass
		Inner_Full	24.54	24.50	27.53	21.06	21.02	24.05	<=30	Pass
		Inner_1RB_Left	24.29	24.22	27.26	20.81	20.74	23.79	<=30	Pass
		Inner_1RB_Right	24.20	24.38	27.30	20.72	20.90	23.82	<=30	Pass
	3939.99	Outer_Full	22.70	22.77	25.75	19.22	19.29	22.27	<=30	Pass
		Inner_Full	24.82	24.90	27.87	21.34	21.42	24.39	<=30	Pass
		Inner_1RB_Left	24.29	24.31	27.31	20.81	20.83	23.83	<=30	Pass
		Inner_1RB_Right	24.60	24.72	27.67	21.12	21.24	24.19	<=30	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	22.13	22.15	25.15	18.65	18.67	21.67	<=30	Pass
		Inner_Full	22.57	22.57	25.58	19.09	19.09	22.10	<=30	Pass
		Inner_1RB_Left	22.36	22.39	25.39	18.88	18.91	21.91	<=30	Pass
		Inner_1RB_Right	22.86	22.93	25.91	19.38	19.45	22.43	<=30	Pass
	3840	Outer_Full	21.84	21.83	24.84	18.36	18.35	21.37	<=30	Pass
		Inner_Full	22.49	22.46	25.49	19.01	18.98	22.01	<=30	Pass
		Inner_1RB_Left	22.48	22.40	25.45	19.00	18.92	21.97	<=30	Pass
		Inner_1RB_Right	22.60	22.78	25.71	19.12	19.30	22.22	<=30	Pass
	3939.99	Outer_Full	22.17	22.25	25.22	18.69	18.77	21.74	<=30	Pass
		Inner_Full	22.70	22.78	25.75	19.22	19.30	22.27	<=30	Pass
		Inner_1RB_Left	22.24	22.25	25.26	18.76	18.77	21.78	<=30	Pass
		Inner_1RB_Right	22.57	22.69	25.64	19.09	19.21	22.16	<=30	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	20.65	20.66	23.66	17.17	17.18	20.19	<=30	Pass
		Inner_Full	20.67	20.68	23.68	17.19	17.20	20.21	<=30	Pass
		Inner_1RB_Left	20.46	20.50	23.49	16.98	17.02	20.01	<=30	Pass
		Inner_1RB_Right	20.56	20.63	23.61	17.08	17.15	20.13	<=30	Pass
	3840	Outer_Full	20.06	20.05	23.06	16.58	16.57	19.59	<=30	Pass
		Inner_Full	20.09	20.05	23.08	16.61	16.57	19.60	<=30	Pass
		Inner_1RB_Left	19.77	19.70	22.74	16.29	16.22	19.27	<=30	Pass
		Inner_1RB_Right	19.86	20.04	22.96	16.38	16.56	19.48	<=30	Pass
	3939.99	Outer_Full	20.14	20.21	23.18	16.66	16.73	19.71	<=30	Pass
		Inner_Full	20.10	20.18	23.15	16.62	16.70	19.67	<=30	Pass
		Inner_1RB_Left	19.71	19.73	22.73	16.23	16.25	19.25	<=30	Pass
		Inner_1RB_Right	19.99	20.10	23.06	16.51	16.62	19.58	<=30	Pass
Note1: Antenna Gain: Ant1: -3.48dBi; Ant2: -3.48dBi;										

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.23 30_MIMO_90M_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 90MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Outer_Full	25.12	25.11	28.12	21.64	21.63	24.65	<=30	Pass
		Inner_Full	26.63	26.60	29.63	23.15	23.12	26.15	<=30	Pass
		Inner_1RB_Left	26.21	26.22	29.23	22.73	22.74	25.75	<=30	Pass
		Inner_1RB_Right	26.73	26.82	29.79	23.25	23.34	26.31	<=30	Pass
	3840	Outer_Full	25.05	25.04	28.06	21.57	21.56	24.58	<=30	Pass
		Inner_Full	26.57	26.53	29.56	23.09	23.05	26.08	<=30	Pass
		Inner_1RB_Left	26.27	26.18	29.24	22.79	22.70	25.76	<=30	Pass
		Inner_1RB_Right	26.58	26.78	29.69	23.10	23.30	26.21	<=30	Pass
	3934.98	Outer_Full	25.20	25.26	28.24	21.72	21.78	24.76	<=30	Pass
		Inner_Full	26.91	26.96	29.94	23.43	23.48	26.47	<=30	Pass
		Inner_1RB_Left	26.23	26.22	29.23	22.75	22.74	25.76	<=30	Pass
		Inner_1RB_Right	26.62	26.73	29.68	23.14	23.25	26.21	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	24.57	24.56	27.57	21.09	21.08	24.10	<=30	Pass
		Inner_Full	26.65	26.62	29.64	23.17	23.14	26.17	<=30	Pass
		Inner_1RB_Left	26.23	26.24	29.25	22.75	22.76	25.77	<=30	Pass
		Inner_1RB_Right	26.75	26.84	29.81	23.27	23.36	26.33	<=30	Pass
	3840	Outer_Full	24.49	24.49	27.50	21.01	21.01	24.02	<=30	Pass
		Inner_Full	26.60	26.56	29.59	23.12	23.08	26.11	<=30	Pass
		Inner_1RB_Left	26.28	26.19	29.24	22.80	22.71	25.77	<=30	Pass
		Inner_1RB_Right	26.49	26.68	29.59	23.01	23.20	26.12	<=30	Pass
	3934.98	Outer_Full	24.75	24.81	27.79	21.27	21.33	24.31	<=30	Pass
		Inner_Full	26.76	26.82	29.80	23.28	23.34	26.32	<=30	Pass
		Inner_1RB_Left	26.15	26.14	29.16	22.67	22.66	25.68	<=30	Pass
		Inner_1RB_Right	26.58	26.70	29.65	23.10	23.22	26.17	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	23.63	23.63	26.64	20.15	20.15	23.16	<=30	Pass
		Inner_Full	25.53	25.50	28.52	22.05	22.02	25.05	<=30	Pass
		Inner_1RB_Left	25.41	25.42	28.43	21.93	21.94	24.95	<=30	Pass
		Inner_1RB_Right	25.61	25.71	28.67	22.13	22.23	25.19	<=30	Pass
	3840	Outer_Full	23.53	23.52	26.53	20.05	20.04	23.06	<=30	Pass
		Inner_Full	25.57	25.53	28.56	22.09	22.05	25.08	<=30	Pass
		Inner_1RB_Left	25.36	25.27	28.33	21.88	21.79	24.85	<=30	Pass
		Inner_1RB_Right	25.62	25.82	28.73	22.14	22.34	25.25	<=30	Pass
	3934.98	Outer_Full	23.63	23.69	26.67	20.15	20.21	23.19	<=30	Pass
		Inner_Full	25.82	25.88	28.86	22.34	22.40	25.38	<=30	Pass
		Inner_1RB_Left	25.15	25.14	28.16	21.67	21.66	24.68	<=30	Pass
		Inner_1RB_Right	25.77	25.88	28.83	22.29	22.40	25.36	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	23.11	23.10	26.12	19.63	19.62	22.64	<=30	Pass
		Inner_Full	23.66	23.63	26.66	20.18	20.15	23.18	<=30	Pass
		Inner_1RB_Left	23.04	23.06	26.06	19.56	19.58	22.58	<=30	Pass
		Inner_1RB_Right	23.58	23.67	26.64	20.10	20.19	23.16	<=30	Pass
	3840	Outer_Full	22.93	22.92	25.93	19.45	19.44	22.46	<=30	Pass
		Inner_Full	23.54	23.50	26.54	20.06	20.02	23.05	<=30	Pass
		Inner_1RB_Left	23.13	23.04	26.09	19.65	19.56	22.62	<=30	Pass
		Inner_1RB_Right	23.58	23.78	26.69	20.10	20.30	23.21	<=30	Pass
	3934.98	Outer_Full	23.19	23.25	26.23	19.71	19.77	22.75	<=30	Pass
		Inner_Full	23.78	23.84	26.82	20.30	20.36	23.34	<=30	Pass
		Inner_1RB_Left	22.99	22.98	26.00	19.51	19.50	22.52	<=30	Pass
		Inner_1RB_Right	23.43	23.55	26.50	19.95	20.07	23.02	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	22.43	22.42	25.44	18.95	18.94	21.96	<=30	Pass
		Inner_Full	22.44	22.41	25.43	18.96	18.93	21.96	<=30	Pass

		Inner_1RB_Left	22.14	22.15	25.16	18.66	18.67	21.68	<=30	Pass
		Inner_1RB_Right	22.54	22.63	25.59	19.06	19.15	22.12	<=30	Pass
	3840	Outer_Full	21.44	21.42	24.44	17.96	17.94	20.96	<=30	Pass
		Inner_Full	21.67	21.63	24.66	18.19	18.15	21.18	<=30	Pass
		Inner_1RB_Left	21.27	21.19	24.24	17.79	17.71	20.76	<=30	Pass
		Inner_1RB_Right	21.46	21.66	24.57	17.98	18.18	21.09	<=30	Pass
	3934.98	Outer_Full	22.01	22.07	25.05	18.53	18.59	21.57	<=30	Pass
		Inner_Full	22.17	22.23	25.21	18.69	18.75	21.73	<=30	Pass
		Inner_1RB_Left	21.65	21.64	24.66	18.17	18.16	21.18	<=30	Pass
		Inner_1RB_Right	21.93	22.04	25.00	18.45	18.56	21.52	<=30	Pass
CP-OFDM QPSK	3745.02	Outer_Full	22.57	22.56	25.57	19.09	19.08	22.10	<=30	Pass
		Inner_Full	25.07	25.03	28.06	21.59	21.55	24.58	<=30	Pass
		Inner_1RB_Left	24.85	24.86	27.87	21.37	21.38	24.39	<=30	Pass
		Inner_1RB_Right	25.33	25.42	28.39	21.85	21.94	24.91	<=30	Pass
	3840	Outer_Full	22.37	22.36	25.37	18.89	18.88	21.90	<=30	Pass
		Inner_Full	25.04	25.01	28.04	21.56	21.53	24.56	<=30	Pass
		Inner_1RB_Left	24.93	24.84	27.90	21.45	21.36	24.42	<=30	Pass
		Inner_1RB_Right	25.01	25.20	28.12	21.53	21.72	24.64	<=30	Pass
	3934.98	Outer_Full	22.66	22.73	25.70	19.18	19.25	22.23	<=30	Pass
		Inner_Full	25.36	25.42	28.40	21.88	21.94	24.92	<=30	Pass
		Inner_1RB_Left	24.81	24.80	27.82	21.33	21.32	24.34	<=30	Pass
		Inner_1RB_Right	25.11	25.23	28.18	21.63	21.75	24.70	<=30	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	22.47	22.46	25.47	18.99	18.98	22.00	<=30	Pass
		Inner_Full	24.69	24.66	27.69	21.21	21.18	24.21	<=30	Pass
		Inner_1RB_Left	24.25	24.26	27.27	20.77	20.78	23.79	<=30	Pass
		Inner_1RB_Right	24.70	24.79	27.76	21.22	21.31	24.28	<=30	Pass
	3840	Outer_Full	22.44	22.43	25.45	18.96	18.95	21.97	<=30	Pass
		Inner_Full	24.55	24.52	27.55	21.07	21.04	24.07	<=30	Pass
		Inner_1RB_Left	24.48	24.39	27.44	21.00	20.91	23.97	<=30	Pass
		Inner_1RB_Right	24.59	24.79	27.70	21.11	21.31	24.22	<=30	Pass
	3934.98	Outer_Full	22.69	22.75	25.73	19.21	19.27	22.25	<=30	Pass
		Inner_Full	24.83	24.89	27.87	21.35	21.41	24.39	<=30	Pass
		Inner_1RB_Left	24.11	24.10	27.11	20.63	20.62	23.64	<=30	Pass
		Inner_1RB_Right	24.53	24.64	27.59	21.05	21.16	24.12	<=30	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	21.97	21.96	24.98	18.49	18.48	21.50	<=30	Pass
		Inner_Full	22.60	22.57	25.60	19.12	19.09	22.12	<=30	Pass
		Inner_1RB_Left	22.21	22.22	25.23	18.73	18.74	21.75	<=30	Pass
		Inner_1RB_Right	22.68	22.78	25.74	19.20	19.30	22.26	<=30	Pass
	3840	Outer_Full	21.85	21.84	24.85	18.37	18.36	21.38	<=30	Pass
		Inner_Full	22.46	22.43	25.46	18.98	18.95	21.98	<=30	Pass
		Inner_1RB_Left	22.18	22.10	25.15	18.70	18.62	21.67	<=30	Pass
		Inner_1RB_Right	22.58	22.78	25.70	19.10	19.30	22.21	<=30	Pass
	3934.98	Outer_Full	22.18	22.24	25.22	18.70	18.76	21.74	<=30	Pass
		Inner_Full	22.86	22.92	25.90	19.38	19.44	22.42	<=30	Pass
		Inner_1RB_Left	22.09	22.08	25.10	18.61	18.60	21.62	<=30	Pass
		Inner_1RB_Right	22.70	22.82	25.77	19.22	19.34	22.29	<=30	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	20.45	20.44	23.45	16.97	16.96	19.98	<=30	Pass
		Inner_Full	20.61	20.58	23.60	17.13	17.10	20.13	<=30	Pass
		Inner_1RB_Left	20.31	20.32	23.33	16.83	16.84	19.85	<=30	Pass
		Inner_1RB_Right	20.54	20.64	23.60	17.06	17.16	20.12	<=30	Pass
	3840	Outer_Full	19.86	19.85	22.86	16.38	16.37	19.39	<=30	Pass
		Inner_Full	19.89	19.86	22.88	16.41	16.38	19.41	<=30	Pass
		Inner_1RB_Left	19.50	19.41	22.47	16.02	15.93	18.99	<=30	Pass
		Inner_1RB_Right	19.71	19.91	22.82	16.23	16.43	19.34	<=30	Pass
	3934.98	Outer_Full	20.24	20.31	23.29	16.76	16.83	19.81	<=30	Pass
		Inner_Full	20.32	20.38	23.36	16.84	16.90	19.88	<=30	Pass
		Inner_1RB_Left	19.68	19.67	22.68	16.20	16.19	19.21	<=30	Pass
		Inner_1RB_Right	20.17	20.29	23.24	16.69	16.81	19.76	<=30	Pass
Note1: Antenna Gain: Ant1: -3.48dBi; Ant2: -3.48dBi;										

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

1.1.24 30_MIMO_100M_NTNV_EIRP

5G NR n77a SCS=30kHz MIMO 100MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	25.12	25.12	28.13	21.64	21.64	24.65	<=30	Pass
		Inner_Full	26.68	26.64	29.67	23.20	23.16	26.19	<=30	Pass
		Inner_1RB_Left	26.24	26.24	29.25	22.76	22.76	25.77	<=30	Pass
		Inner_1RB_Right	26.79	26.90	29.86	23.31	23.42	26.38	<=30	Pass
	3840	Outer_Full	24.99	24.98	28.00	21.51	21.50	24.52	<=30	Pass
		Inner_Full	26.46	26.42	29.45	22.98	22.94	25.97	<=30	Pass
		Inner_1RB_Left	26.31	26.21	29.27	22.83	22.73	25.79	<=30	Pass
		Inner_1RB_Right	26.76	26.96	29.87	23.28	23.48	26.39	<=30	Pass
	3930	Outer_Full	25.25	25.29	28.28	21.77	21.81	24.80	<=30	Pass
		Inner_Full	26.89	26.92	29.92	23.41	23.44	26.44	<=30	Pass
		Inner_1RB_Left	26.01	25.99	29.01	22.53	22.51	25.53	<=30	Pass
		Inner_1RB_Right	26.70	26.78	29.75	23.22	23.30	26.27	<=30	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	24.55	24.54	27.56	21.07	21.06	24.08	<=30	Pass
		Inner_Full	26.59	26.54	29.58	23.11	23.06	26.10	<=30	Pass
		Inner_1RB_Left	26.20	26.20	29.21	22.72	22.72	25.73	<=30	Pass
		Inner_1RB_Right	26.76	26.88	29.83	23.28	23.40	26.35	<=30	Pass
	3840	Outer_Full	24.44	24.43	27.45	20.96	20.95	23.97	<=30	Pass
		Inner_Full	26.47	26.43	29.46	22.99	22.95	25.98	<=30	Pass
		Inner_1RB_Left	26.24	26.14	29.20	22.76	22.66	25.72	<=30	Pass
		Inner_1RB_Right	26.72	26.91	29.83	23.24	23.43	26.35	<=30	Pass
	3930	Outer_Full	24.70	24.73	27.72	21.22	21.25	24.25	<=30	Pass
		Inner_Full	26.90	26.92	29.92	23.42	23.44	26.44	<=30	Pass
		Inner_1RB_Left	26.00	25.98	29.00	22.52	22.50	25.52	<=30	Pass
		Inner_1RB_Right	26.73	26.82	29.79	23.25	23.34	26.31	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	23.54	23.54	26.55	20.06	20.06	23.07	<=30	Pass
		Inner_Full	25.59	25.55	28.58	22.11	22.07	25.10	<=30	Pass
		Inner_1RB_Left	25.38	25.38	28.39	21.90	21.90	24.91	<=30	Pass
		Inner_1RB_Right	25.82	25.94	28.89	22.34	22.46	25.41	<=30	Pass
	3840	Outer_Full	23.53	23.53	26.54	20.05	20.05	23.06	<=30	Pass
		Inner_Full	25.48	25.44	28.47	22.00	21.96	24.99	<=30	Pass
		Inner_1RB_Left	25.35	25.25	28.31	21.87	21.77	24.83	<=30	Pass
		Inner_1RB_Right	25.81	26.00	28.92	22.33	22.52	25.44	<=30	Pass
	3930	Outer_Full	23.70	23.74	26.73	20.22	20.26	23.25	<=30	Pass
		Inner_Full	25.89	25.92	28.91	22.41	22.44	25.44	<=30	Pass
		Inner_1RB_Left	24.96	24.94	27.96	21.48	21.46	24.48	<=30	Pass
		Inner_1RB_Right	25.76	25.84	28.81	22.28	22.36	25.33	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	22.98	22.98	25.99	19.50	19.50	22.51	<=30	Pass
		Inner_Full	23.57	23.53	26.56	20.09	20.05	23.08	<=30	Pass
		Inner_1RB_Left	23.30	23.30	26.31	19.82	19.82	22.83	<=30	Pass
		Inner_1RB_Right	23.77	23.89	26.84	20.29	20.41	23.36	<=30	Pass
	3840	Outer_Full	22.91	22.91	25.92	19.43	19.43	22.44	<=30	Pass
		Inner_Full	23.50	23.46	26.49	20.02	19.98	23.01	<=30	Pass
		Inner_1RB_Left	23.35	23.25	26.32	19.87	19.77	22.83	<=30	Pass
		Inner_1RB_Right	23.71	23.90	26.81	20.23	20.42	23.34	<=30	Pass
	3930	Outer_Full	23.22	23.25	26.25	19.74	19.77	22.77	<=30	Pass
		Inner_Full	23.82	23.85	26.85	20.34	20.37	23.37	<=30	Pass
		Inner_1RB_Left	23.10	23.09	26.11	19.62	19.61	22.63	<=30	Pass
		Inner_1RB_Right	23.52	23.61	26.57	20.04	20.13	23.10	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	22.36	22.36	25.37	18.88	18.88	21.89	<=30	Pass
		Inner_Full	22.46	22.42	25.45	18.98	18.94	21.97	<=30	Pass

		Inner_1RB_Left	22.12	22.12	25.13	18.64	18.64	21.65	<=30	Pass
		Inner_1RB_Right	22.63	22.75	25.70	19.15	19.27	22.22	<=30	Pass
	3840	Outer_Full	22.05	22.05	25.06	18.57	18.57	21.58	<=30	Pass
		Inner_Full	22.32	22.28	25.31	18.84	18.80	21.83	<=30	Pass
		Inner_1RB_Left	21.93	21.83	24.89	18.45	18.35	21.41	<=30	Pass
		Inner_1RB_Right	22.18	22.37	25.28	18.70	18.89	21.81	<=30	Pass
	3930	Outer_Full	21.86	21.90	24.89	18.38	18.42	21.41	<=30	Pass
		Inner_Full	22.06	22.09	25.09	18.58	18.61	21.61	<=30	Pass
		Inner_1RB_Left	21.34	21.32	24.34	17.86	17.84	20.86	<=30	Pass
		Inner_1RB_Right	21.88	21.97	24.94	18.40	18.49	21.46	<=30	Pass
CP-OFDM QPSK	3750	Outer_Full	22.51	22.50	25.51	19.03	19.02	22.04	<=30	Pass
		Inner_Full	25.12	25.08	28.11	21.64	21.60	24.63	<=30	Pass
		Inner_1RB_Left	24.68	24.69	27.69	21.20	21.21	24.22	<=30	Pass
		Inner_1RB_Right	25.28	25.39	28.35	21.80	21.91	24.87	<=30	Pass
	3840	Outer_Full	22.39	22.39	25.40	18.91	18.91	21.92	<=30	Pass
		Inner_Full	25.02	24.99	28.02	21.54	21.51	24.54	<=30	Pass
		Inner_1RB_Left	24.77	24.67	27.73	21.29	21.19	24.25	<=30	Pass
		Inner_1RB_Right	25.18	25.38	28.29	21.70	21.90	24.81	<=30	Pass
	3930	Outer_Full	22.70	22.73	25.72	19.22	19.25	22.25	<=30	Pass
		Inner_Full	25.29	25.32	28.32	21.81	21.84	24.84	<=30	Pass
		Inner_1RB_Left	24.56	24.54	27.56	21.08	21.06	24.08	<=30	Pass
		Inner_1RB_Right	25.17	25.25	28.22	21.69	21.77	24.74	<=30	Pass
CP-OFDM 16 QAM	3750	Outer_Full	22.50	22.50	25.51	19.02	19.02	22.03	<=30	Pass
		Inner_Full	24.51	24.47	27.50	21.03	20.99	24.02	<=30	Pass
		Inner_1RB_Left	24.13	24.13	27.14	20.65	20.65	23.66	<=30	Pass
		Inner_1RB_Right	24.60	24.72	27.67	21.12	21.24	24.19	<=30	Pass
	3840	Outer_Full	22.45	22.45	25.46	18.97	18.97	21.98	<=30	Pass
		Inner_Full	24.45	24.41	27.44	20.97	20.93	23.96	<=30	Pass
		Inner_1RB_Left	24.15	24.05	27.11	20.67	20.57	23.63	<=30	Pass
		Inner_1RB_Right	24.53	24.72	27.64	21.05	21.24	24.16	<=30	Pass
	3930	Outer_Full	22.64	22.68	25.67	19.16	19.20	22.19	<=30	Pass
		Inner_Full	24.84	24.87	27.87	21.36	21.39	24.39	<=30	Pass
		Inner_1RB_Left	23.91	23.89	26.91	20.43	20.41	23.43	<=30	Pass
		Inner_1RB_Right	24.52	24.60	27.57	21.04	21.12	24.09	<=30	Pass
CP-OFDM 64 QAM	3750	Outer_Full	21.96	21.96	24.97	18.48	18.48	21.49	<=30	Pass
		Inner_Full	22.56	22.52	25.55	19.08	19.04	22.07	<=30	Pass
		Inner_1RB_Left	22.32	22.32	25.33	18.84	18.84	21.85	<=30	Pass
		Inner_1RB_Right	22.78	22.90	25.86	19.30	19.42	22.37	<=30	Pass
	3840	Outer_Full	21.90	21.89	24.90	18.42	18.41	21.43	<=30	Pass
		Inner_Full	22.36	22.33	25.35	18.88	18.85	21.88	<=30	Pass
		Inner_1RB_Left	22.24	22.14	25.21	18.76	18.66	21.72	<=30	Pass
		Inner_1RB_Right	22.79	22.99	25.90	19.31	19.51	22.42	<=30	Pass
	3930	Outer_Full	22.14	22.18	25.17	18.66	18.70	21.69	<=30	Pass
		Inner_Full	22.82	22.85	25.85	19.34	19.37	22.37	<=30	Pass
		Inner_1RB_Left	21.97	21.95	24.97	18.49	18.47	21.49	<=30	Pass
		Inner_1RB_Right	22.57	22.66	25.62	19.09	19.18	22.15	<=30	Pass
CP-OFDM 256 QAM	3750	Outer_Full	20.66	20.66	23.67	17.18	17.18	20.19	<=30	Pass
		Inner_Full	20.61	20.57	23.60	17.13	17.09	20.12	<=30	Pass
		Inner_1RB_Left	20.32	20.32	23.33	16.84	16.84	19.85	<=30	Pass
		Inner_1RB_Right	20.64	20.76	23.71	17.16	17.28	20.23	<=30	Pass
	3840	Outer_Full	20.21	20.21	23.22	16.73	16.73	19.74	<=30	Pass
		Inner_Full	20.31	20.28	23.30	16.83	16.80	19.83	<=30	Pass
		Inner_1RB_Left	19.85	19.75	22.81	16.37	16.27	19.33	<=30	Pass
		Inner_1RB_Right	20.19	20.38	23.30	16.71	16.90	19.82	<=30	Pass
	3930	Outer_Full	20.20	20.24	23.23	16.72	16.76	19.75	<=30	Pass
		Inner_Full	20.26	20.29	23.28	16.78	16.81	19.81	<=30	Pass
		Inner_1RB_Left	19.42	19.40	22.42	15.94	15.92	18.94	<=30	Pass
		Inner_1RB_Right	20.07	20.16	23.12	16.59	16.68	19.65	<=30	Pass
Note1: Antenna Gain: Ant1: -3.48dBi; Ant2: -3.48dBi;										

Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2

2. Frequency Stability

2.1 Test Result

2.1.1 30k_SISO_100MHz

5G NR n77a SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	20	LV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n77a SCS=30kHz SISO 10MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3705	Outer_Full	8.67	9.49	/	Pass
	3840	Outer_Full	8.60	9.40	/	Pass
	3975	Outer_Full	8.62	9.43	/	Pass
DFT-s-OFDM QPSK	3705	Outer_Full	8.64	9.57	/	Pass

	3840	Outer_Full	8.63	9.46	/	Pass
	3975	Outer_Full	8.63	9.53	/	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	8.61	9.49	/	Pass
	3840	Outer_Full	8.61	9.48	/	Pass
	3975	Outer_Full	8.61	9.46	/	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	8.64	9.44	/	Pass
	3840	Outer_Full	8.64	9.51	/	Pass
	3975	Outer_Full	8.63	9.47	/	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	8.59	9.40	/	Pass
	3840	Outer_Full	8.63	9.51	/	Pass
	3975	Outer_Full	8.62	9.53	/	Pass
CP-OFDM QPSK	3705	Outer_Full	8.68	9.49	/	Pass
	3840	Outer_Full	8.64	9.50	/	Pass
	3975	Outer_Full	8.60	9.44	/	Pass
CP-OFDM 16 QAM	3705	Outer_Full	8.59	9.41	/	Pass
	3840	Outer_Full	8.56	9.14	/	Pass
	3975	Outer_Full	8.62	9.41	/	Pass
CP-OFDM 64 QAM	3705	Outer_Full	8.63	9.37	/	Pass
	3840	Outer_Full	8.68	9.52	/	Pass
	3975	Outer_Full	8.63	9.43	/	Pass
CP-OFDM 256 QAM	3705	Outer_Full	8.63	9.41	/	Pass
	3840	Outer_Full	8.62	9.42	/	Pass
	3975	Outer_Full	8.66	9.49	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n77a SCS=30kHz SISO 15MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3707.52	Outer_Full	12.94	14.01	/	Pass
	3840	Outer_Full	12.97	13.93	/	Pass
	3972.48	Outer_Full	12.96	14.00	/	Pass
DFT-s-OFDM QPSK	3707.52	Outer_Full	12.93	13.91	/	Pass
	3840	Outer_Full	12.95	13.94	/	Pass
	3972.48	Outer_Full	12.94	13.92	/	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	12.91	13.96	/	Pass
	3840	Outer_Full	12.91	13.89	/	Pass
	3972.48	Outer_Full	12.91	13.96	/	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	12.95	13.92	/	Pass
	3840	Outer_Full	12.95	14.03	/	Pass
	3972.48	Outer_Full	12.94	13.96	/	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	12.93	13.93	/	Pass
	3840	Outer_Full	12.94	13.92	/	Pass
	3972.48	Outer_Full	12.94	13.89	/	Pass
CP-OFDM QPSK	3707.52	Outer_Full	13.64	14.70	/	Pass
	3840	Outer_Full	13.63	14.71	/	Pass
	3972.48	Outer_Full	13.62	14.71	/	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	13.62	14.63	/	Pass
	3840	Outer_Full	13.66	14.63	/	Pass
	3972.48	Outer_Full	13.65	14.65	/	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	13.64	14.66	/	Pass
	3840	Outer_Full	13.65	14.68	/	Pass
	3972.48	Outer_Full	13.65	14.70	/	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	13.64	14.57	/	Pass
	3840	Outer_Full	13.64	14.57	/	Pass
	3972.48	Outer_Full	13.63	14.60	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	18.01	19.32	/	Pass
	3840	Outer_Full	18.03	19.25	/	Pass
	3969.99	Outer_Full	18.00	19.26	/	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.08	19.28	/	Pass
	3840	Outer_Full	18.11	19.36	/	Pass
	3969.99	Outer_Full	18.08	19.30	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.05	19.30	/	Pass
	3840	Outer_Full	18.04	19.24	/	Pass
	3969.99	Outer_Full	18.01	19.22	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.01	19.25	/	Pass
	3840	Outer_Full	18.02	19.39	/	Pass
	3969.99	Outer_Full	18.04	19.25	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.01	19.17	/	Pass
	3840	Outer_Full	17.99	19.27	/	Pass
	3969.99	Outer_Full	17.99	19.35	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.35	19.64	/	Pass
	3840	Outer_Full	18.35	19.62	/	Pass
	3969.99	Outer_Full	18.34	19.63	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.36	19.62	/	Pass
	3840	Outer_Full	18.39	19.70	/	Pass
	3969.99	Outer_Full	18.38	19.62	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.34	19.61	/	Pass
	3840	Outer_Full	18.35	19.57	/	Pass
	3969.99	Outer_Full	18.37	19.66	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.36	19.54	/	Pass
	3840	Outer_Full	18.37	19.60	/	Pass
	3969.99	Outer_Full	18.39	19.62	/	Pass

3.1.4 30k_SISO_25MHz_NTNV

5G NR n77a SCS=30kHz SISO 25MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3712.5	Outer_Full	22.95	24.46	/	Pass
	3840	Outer_Full	22.95	24.37	/	Pass
	3967.5	Outer_Full	22.99	24.37	/	Pass
DFT-s-OFDM QPSK	3712.5	Outer_Full	22.97	24.44	/	Pass
	3840	Outer_Full	23.00	24.41	/	Pass
	3967.5	Outer_Full	22.98	24.34	/	Pass
DFT-s-OFDM 16 QAM	3712.5	Outer_Full	22.95	24.40	/	Pass
	3840	Outer_Full	23.03	24.30	/	Pass
	3967.5	Outer_Full	23.04	24.38	/	Pass
DFT-s-OFDM 64 QAM	3712.5	Outer_Full	22.98	24.42	/	Pass
	3840	Outer_Full	23.07	24.31	/	Pass
	3967.5	Outer_Full	22.98	24.37	/	Pass
DFT-s-OFDM 256 QAM	3712.5	Outer_Full	22.98	24.34	/	Pass
	3840	Outer_Full	22.98	24.30	/	Pass
	3967.5	Outer_Full	22.98	24.35	/	Pass
CP-OFDM QPSK	3712.5	Outer_Full	23.28	24.75	/	Pass
	3840	Outer_Full	23.26	24.74	/	Pass
	3967.5	Outer_Full	23.29	24.74	/	Pass
CP-OFDM 16 QAM	3712.5	Outer_Full	23.28	24.74	/	Pass

	3840	Outer_Full	23.35	24.70	/	Pass
	3967.5	Outer_Full	23.30	24.70	/	Pass
CP-OFDM 64 QAM	3712.5	Outer_Full	23.26	24.69	/	Pass
	3840	Outer_Full	23.28	24.69	/	Pass
	3967.5	Outer_Full	23.29	24.79	/	Pass
CP-OFDM 256 QAM	3712.5	Outer_Full	23.34	24.68	/	Pass
	3840	Outer_Full	23.33	24.78	/	Pass
	3967.5	Outer_Full	23.36	24.62	/	Pass

3.1.5 30k_SISO_30MHz_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3715.02	Outer_Full	27.16	29.43	/	Pass
	3840	Outer_Full	27.26	29.33	/	Pass
	3964.98	Outer_Full	27.16	29.39	/	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	27.21	29.38	/	Pass
	3840	Outer_Full	27.19	29.39	/	Pass
	3964.98	Outer_Full	27.20	29.34	/	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	27.16	29.35	/	Pass
	3840	Outer_Full	27.18	29.31	/	Pass
	3964.98	Outer_Full	27.15	29.41	/	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	27.15	29.43	/	Pass
	3840	Outer_Full	27.17	29.28	/	Pass
	3964.98	Outer_Full	27.11	29.44	/	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer_Full	27.10	29.45	/	Pass
	3840	Outer_Full	27.13	29.30	/	Pass
	3964.98	Outer_Full	27.16	29.28	/	Pass
CP-OFDM QPSK	3715.02	Outer_Full	28.17	30.48	/	Pass
	3840	Outer_Full	28.17	30.50	/	Pass
	3964.98	Outer_Full	28.18	30.42	/	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	28.17	30.46	/	Pass
	3840	Outer_Full	28.24	30.41	/	Pass
	3964.98	Outer_Full	28.17	30.36	/	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	28.11	30.29	/	Pass
	3840	Outer_Full	28.25	30.34	/	Pass
	3964.98	Outer_Full	28.20	30.39	/	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	28.19	30.43	/	Pass
	3840	Outer_Full	28.23	30.45	/	Pass
	3964.98	Outer_Full	28.14	30.50	/	Pass

3.1.6 30k_SISO_40MHz_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3720	Outer_Full	36.08	38.42	/	Pass
	3840	Outer_Full	36.07	38.41	/	Pass
	3960	Outer_Full	36.12	38.42	/	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	35.96	38.43	/	Pass
	3840	Outer_Full	35.97	38.43	/	Pass
	3960	Outer_Full	35.93	38.30	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	35.96	38.34	/	Pass
	3840	Outer_Full	36.01	38.36	/	Pass
	3960	Outer_Full	36.05	38.35	/	Pass

DFT-s-OFDM 64 QAM	3720	Outer_Full	35.88	38.34	/	Pass
	3840	Outer_Full	35.92	38.42	/	Pass
	3960	Outer_Full	35.87	38.27	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	35.89	38.35	/	Pass
	3840	Outer_Full	35.98	38.40	/	Pass
	3960	Outer_Full	35.86	38.35	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.14	40.52	/	Pass
	3840	Outer_Full	38.19	40.62	/	Pass
	3960	Outer_Full	38.13	40.47	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	38.08	40.42	/	Pass
	3840	Outer_Full	38.11	40.50	/	Pass
	3960	Outer_Full	38.06	40.46	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	38.06	40.53	/	Pass
	3840	Outer_Full	38.12	40.62	/	Pass
	3960	Outer_Full	38.02	40.46	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	38.10	40.53	/	Pass
	3840	Outer_Full	38.02	40.59	/	Pass
	3960	Outer_Full	38.13	40.49	/	Pass

3.1.7 30k_SISO_50MHz_NTNV

5G NR n77a SCS=30kHz SISO 50MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3725.01	Outer_Full	45.94	48.44	/	Pass
	3840	Outer_Full	45.90	48.50	/	Pass
	3954.99	Outer_Full	46.03	48.38	/	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	46.00	48.52	/	Pass
	3840	Outer_Full	45.97	48.49	/	Pass
	3954.99	Outer_Full	45.92	48.45	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	45.80	48.47	/	Pass
	3840	Outer_Full	45.92	48.57	/	Pass
	3954.99	Outer_Full	45.88	48.40	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	45.81	48.52	/	Pass
	3840	Outer_Full	45.92	48.46	/	Pass
	3954.99	Outer_Full	45.83	48.45	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	45.87	48.49	/	Pass
	3840	Outer_Full	45.91	48.42	/	Pass
	3954.99	Outer_Full	45.87	48.58	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	47.60	50.24	/	Pass
	3840	Outer_Full	47.69	50.28	/	Pass
	3954.99	Outer_Full	47.63	50.21	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	47.72	50.46	/	Pass
	3840	Outer_Full	47.77	50.22	/	Pass
	3954.99	Outer_Full	47.69	50.45	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	47.66	50.33	/	Pass
	3840	Outer_Full	47.72	50.36	/	Pass
	3954.99	Outer_Full	47.60	50.23	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	47.62	50.27	/	Pass
	3840	Outer_Full	47.64	50.23	/	Pass
	3954.99	Outer_Full	47.66	50.30	/	Pass

3.1.8 30k_SISO_60MHz_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTNV						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	Verdict

	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM PI/2 BPSK	3730.02	Outer_Full	58.66	62.81	/	Pass
	3840	Outer_Full	58.51	62.78	/	Pass
	3949.98	Outer_Full	58.46	62.80	/	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	58.46	62.80	/	Pass
	3840	Outer_Full	58.58	62.97	/	Pass
	3949.98	Outer_Full	58.48	62.75	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	58.76	62.81	/	Pass
	3840	Outer_Full	58.71	62.99	/	Pass
	3949.98	Outer_Full	58.52	62.74	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	58.34	62.74	/	Pass
	3840	Outer_Full	58.40	62.78	/	Pass
	3949.98	Outer_Full	58.45	62.84	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	58.54	62.90	/	Pass
	3840	Outer_Full	58.47	62.98	/	Pass
	3949.98	Outer_Full	58.58	62.95	/	Pass
CP-OFDM QPSK	3730.02	Outer_Full	58.56	62.74	/	Pass
	3840	Outer_Full	58.60	62.85	/	Pass
	3949.98	Outer_Full	58.41	62.96	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	58.57	62.91	/	Pass
	3840	Outer_Full	58.54	62.85	/	Pass
	3949.98	Outer_Full	58.40	62.73	/	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	58.53	62.90	/	Pass
	3840	Outer_Full	58.48	62.90	/	Pass
	3949.98	Outer_Full	58.41	62.83	/	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	58.60	62.91	/	Pass
	3840	Outer_Full	58.72	62.94	/	Pass
	3949.98	Outer_Full	58.47	62.97	/	Pass

3.1.9 30k_SISO_70MHz_NTNV

5G NR n77a SCS=30kHz SISO 70MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3735	Outer_Full	64.99	69.36	/	Pass
	3840	Outer_Full	64.79	69.29	/	Pass
	3945	Outer_Full	64.87	69.28	/	Pass
DFT-s-OFDM QPSK	3735	Outer_Full	64.83	69.44	/	Pass
	3840	Outer_Full	64.91	69.46	/	Pass
	3945	Outer_Full	64.96	69.36	/	Pass
DFT-s-OFDM 16 QAM	3735	Outer_Full	65.05	69.38	/	Pass
	3840	Outer_Full	64.91	69.48	/	Pass
	3945	Outer_Full	64.77	69.40	/	Pass
DFT-s-OFDM 64 QAM	3735	Outer_Full	64.71	69.39	/	Pass
	3840	Outer_Full	64.73	69.44	/	Pass
	3945	Outer_Full	64.76	69.28	/	Pass
DFT-s-OFDM 256 QAM	3735	Outer_Full	64.68	69.35	/	Pass
	3840	Outer_Full	64.76	69.42	/	Pass
	3945	Outer_Full	64.79	69.36	/	Pass
CP-OFDM QPSK	3735	Outer_Full	68.03	72.67	/	Pass
	3840	Outer_Full	67.92	72.65	/	Pass
	3945	Outer_Full	67.94	72.60	/	Pass
CP-OFDM 16 QAM	3735	Outer_Full	67.87	72.55	/	Pass
	3840	Outer_Full	68.08	72.67	/	Pass
	3945	Outer_Full	67.89	72.54	/	Pass
CP-OFDM 64 QAM	3735	Outer_Full	67.96	72.62	/	Pass
	3840	Outer_Full	68.06	72.74	/	Pass
	3945	Outer_Full	68.00	72.69	/	Pass

CP-OFDM 256 QAM	3735	Outer_Full	67.75	72.40	/	Pass
	3840	Outer_Full	67.95	72.50	/	Pass
	3945	Outer_Full	67.84	72.66	/	Pass

3.1.10 30k_SISO_80MHz_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3740.01	Outer_Full	77.48	82.30	/	Pass
	3840	Outer_Full	77.55	82.16	/	Pass
	3939.99	Outer_Full	77.49	82.08	/	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	77.44	82.30	/	Pass
	3840	Outer_Full	77.64	82.31	/	Pass
	3939.99	Outer_Full	77.55	82.35	/	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	77.54	82.15	/	Pass
	3840	Outer_Full	77.38	82.44	/	Pass
	3939.99	Outer_Full	77.43	82.27	/	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	77.56	82.25	/	Pass
	3840	Outer_Full	77.70	82.18	/	Pass
	3939.99	Outer_Full	77.67	82.16	/	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	77.55	82.18	/	Pass
	3840	Outer_Full	77.59	82.36	/	Pass
	3939.99	Outer_Full	77.32	82.25	/	Pass
CP-OFDM QPSK	3740.01	Outer_Full	77.89	82.74	/	Pass
	3840	Outer_Full	77.92	82.79	/	Pass
	3939.99	Outer_Full	77.96	82.73	/	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	77.91	82.75	/	Pass
	3840	Outer_Full	77.98	82.88	/	Pass
	3939.99	Outer_Full	77.92	82.63	/	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	77.83	82.72	/	Pass
	3840	Outer_Full	77.93	82.69	/	Pass
	3939.99	Outer_Full	77.91	82.52	/	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	77.80	82.76	/	Pass
	3840	Outer_Full	77.96	82.94	/	Pass
	3939.99	Outer_Full	77.97	82.73	/	Pass

3.1.11 30k_SISO_90MHz_NTNV

5G NR n77a SCS=30kHz SISO 90MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3745.02	Outer_Full	87.16	91.98	/	Pass
	3840	Outer_Full	87.11	92.00	/	Pass
	3934.98	Outer_Full	88.13	92.57	/	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	87.08	92.16	/	Pass
	3840	Outer_Full	87.26	92.08	/	Pass
	3934.98	Outer_Full	88.23	92.36	/	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	87.21	92.16	/	Pass
	3840	Outer_Full	87.21	92.06	/	Pass
	3934.98	Outer_Full	86.97	92.11	/	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	87.09	91.98	/	Pass
	3840	Outer_Full	87.22	92.11	/	Pass
	3934.98	Outer_Full	86.96	92.13	/	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	86.98	92.07	/	Pass
	3840	Outer_Full	87.08	92.25	/	Pass

	3934.98	Outer_Full	86.90	91.99	/	Pass
CP-OFDM QPSK	3745.02	Outer_Full	87.63	92.91	/	Pass
	3840	Outer_Full	87.80	92.96	/	Pass
	3934.98	Outer_Full	87.75	92.77	/	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	87.83	92.76	/	Pass
	3840	Outer_Full	87.83	92.87	/	Pass
	3934.98	Outer_Full	87.93	92.81	/	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	87.58	92.75	/	Pass
	3840	Outer_Full	87.65	92.63	/	Pass
	3934.98	Outer_Full	87.71	92.75	/	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	87.71	92.78	/	Pass
	3840	Outer_Full	87.71	92.99	/	Pass
	3934.98	Outer_Full	87.55	92.78	/	Pass

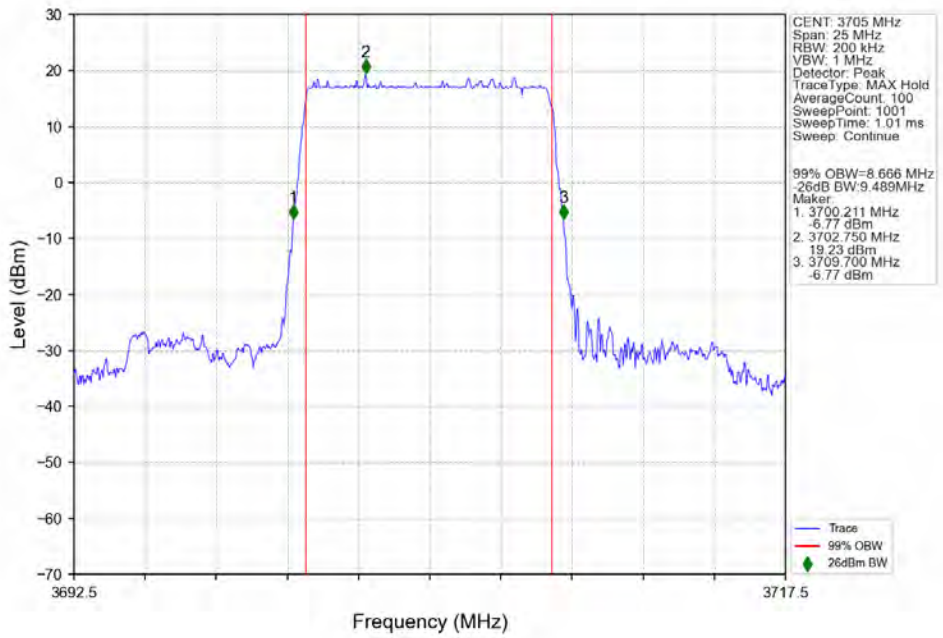
3.1.12 30k_SISO_100MHz_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	96.55	101.73	/	Pass
	3840	Outer_Full	96.64	101.78	/	Pass
	3930	Outer_Full	96.50	101.66	/	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	96.57	101.82	/	Pass
	3840	Outer_Full	96.64	101.92	/	Pass
	3930	Outer_Full	96.63	101.86	/	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	96.51	101.79	/	Pass
	3840	Outer_Full	96.54	101.81	/	Pass
	3930	Outer_Full	96.50	101.61	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	96.45	101.83	/	Pass
	3840	Outer_Full	96.59	101.92	/	Pass
	3930	Outer_Full	96.44	101.68	/	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	96.36	101.64	/	Pass
	3840	Outer_Full	96.41	101.71	/	Pass
	3930	Outer_Full	96.53	101.71	/	Pass
CP-OFDM QPSK	3750	Outer_Full	97.53	102.96	/	Pass
	3840	Outer_Full	97.68	102.95	/	Pass
	3930	Outer_Full	97.61	102.86	/	Pass
CP-OFDM 16 QAM	3750	Outer_Full	97.43	102.83	/	Pass
	3840	Outer_Full	97.50	102.95	/	Pass
	3930	Outer_Full	97.51	102.90	/	Pass
CP-OFDM 64 QAM	3750	Outer_Full	97.61	102.92	/	Pass
	3840	Outer_Full	97.77	102.98	/	Pass
	3930	Outer_Full	97.48	103.03	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	97.64	102.84	/	Pass
	3840	Outer_Full	97.62	102.92	/	Pass
	3930	Outer_Full	97.62	102.94	/	Pass

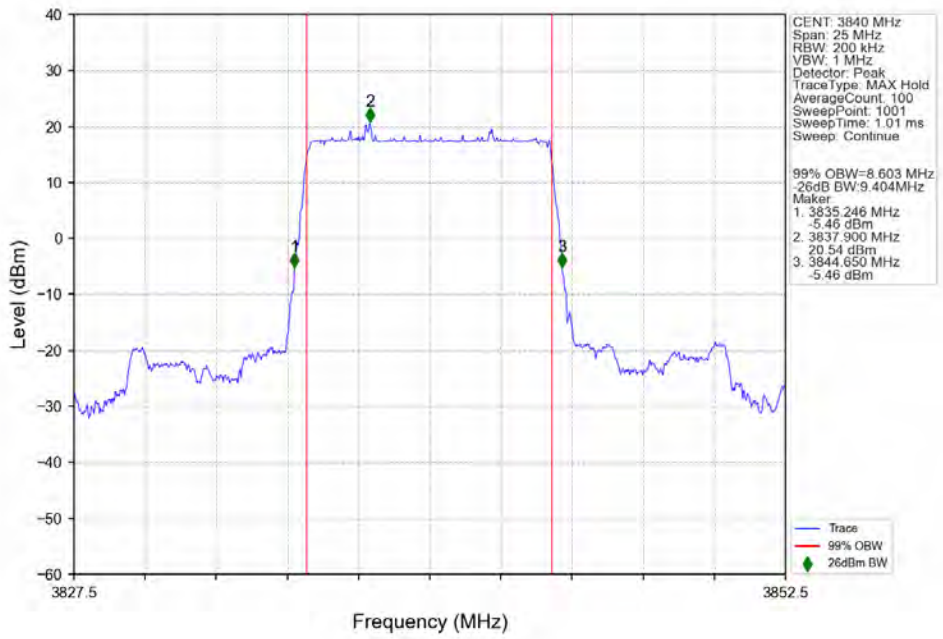
3.2 Test Graph

3.2.1 30k_SISO_10MHz_NTNV

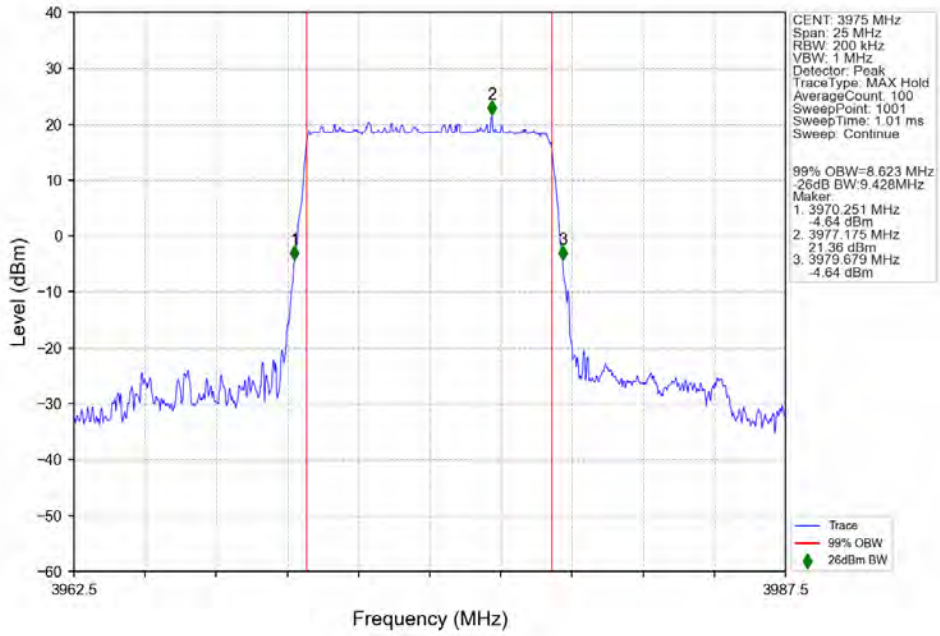
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3705MHz_Outer_Full_Ant1



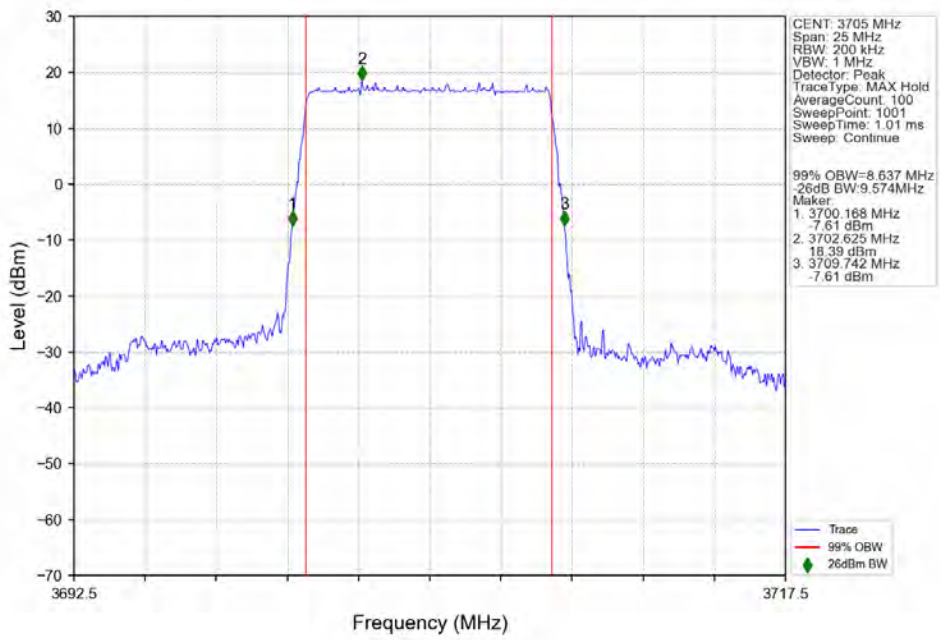
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full_Ant1



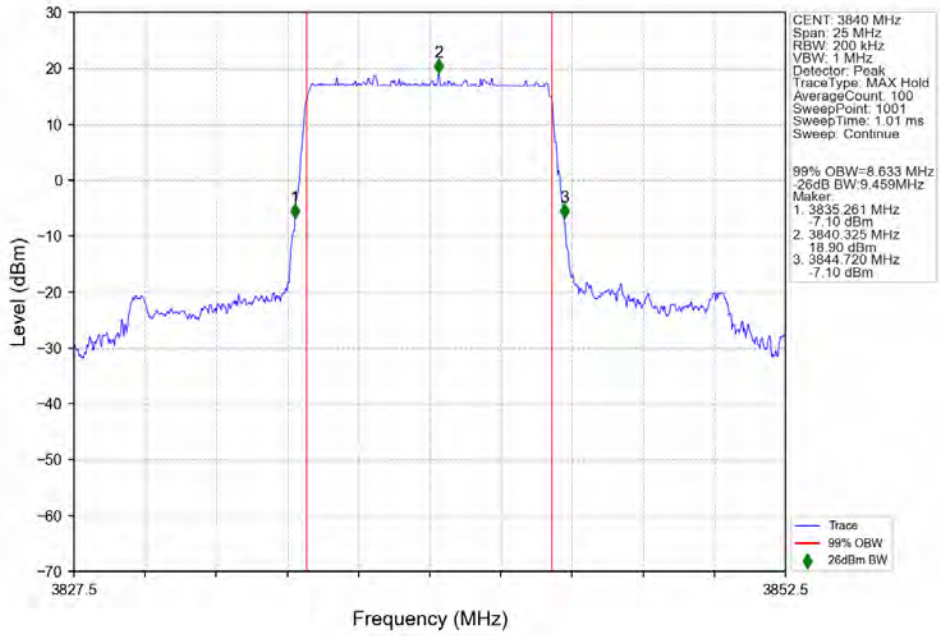
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Outer_Full_Ant1



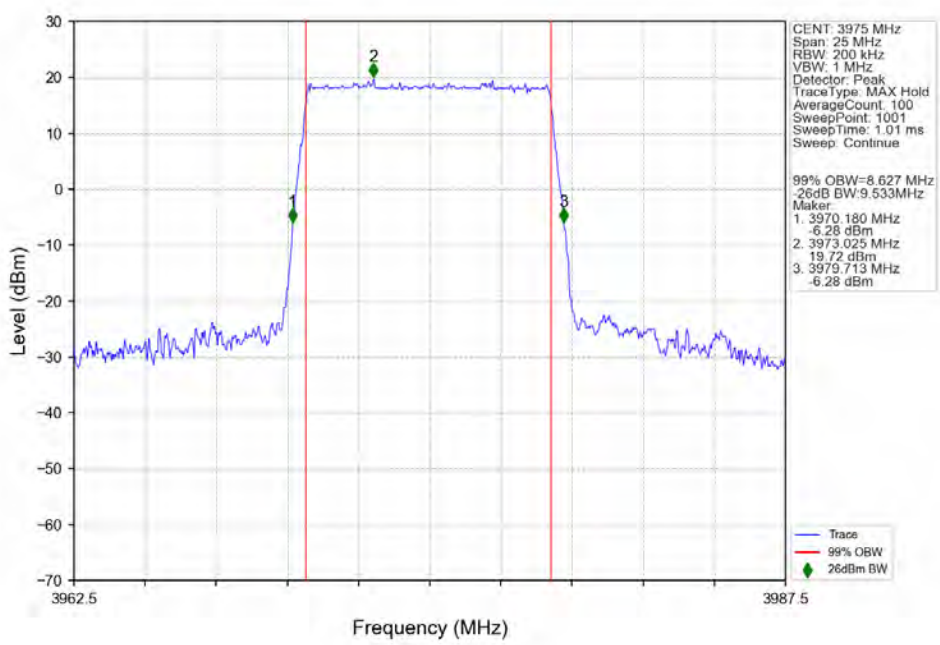
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Outer_Full_Ant1



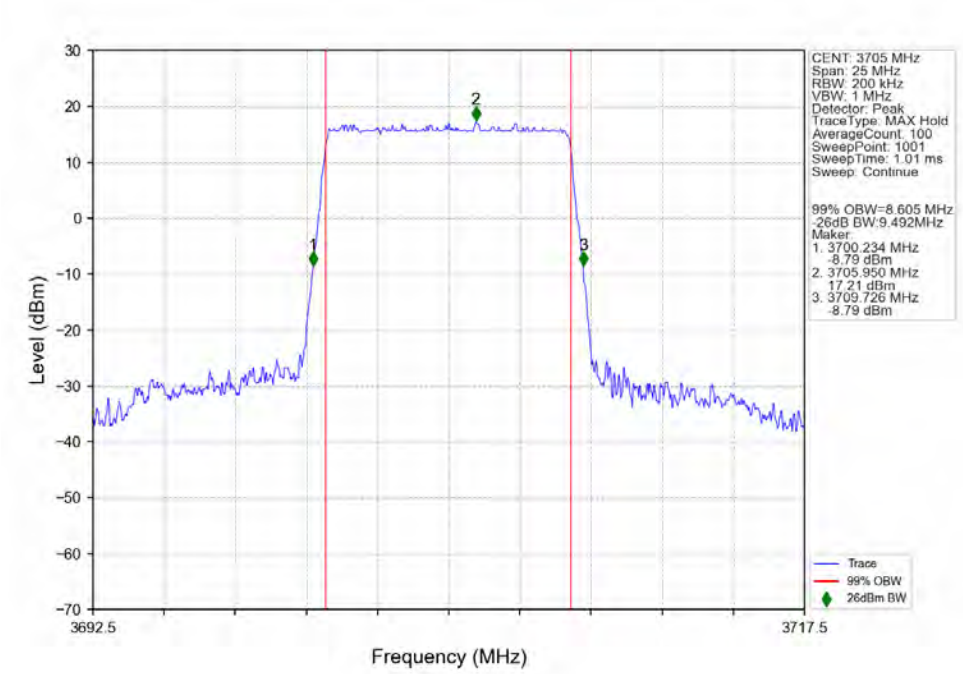
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full_Ant1



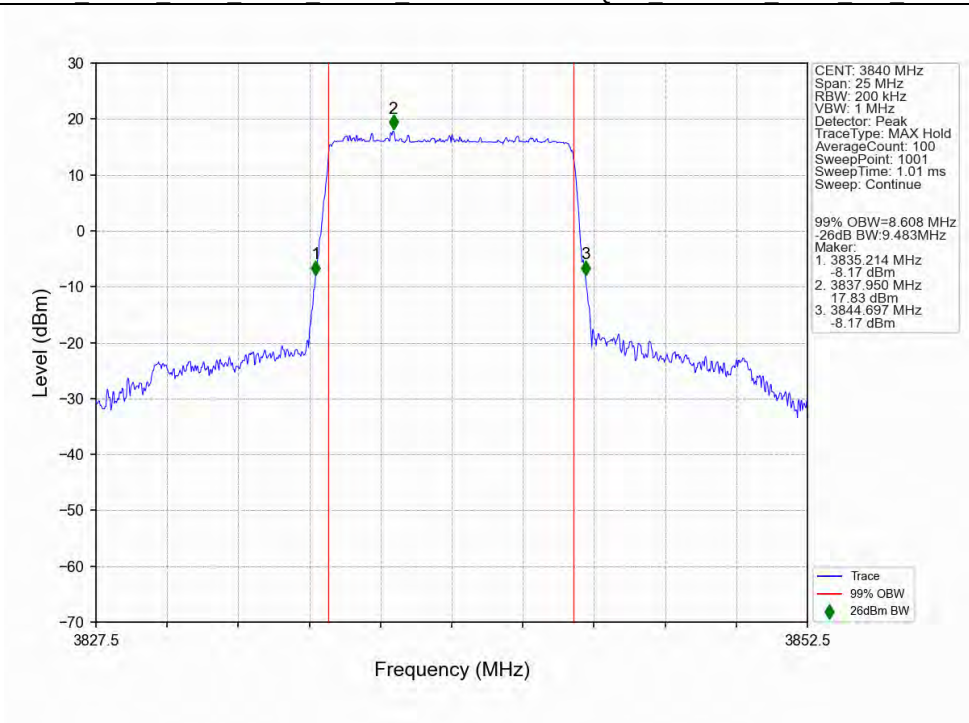
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3975MHz_Outer_Full_Ant1



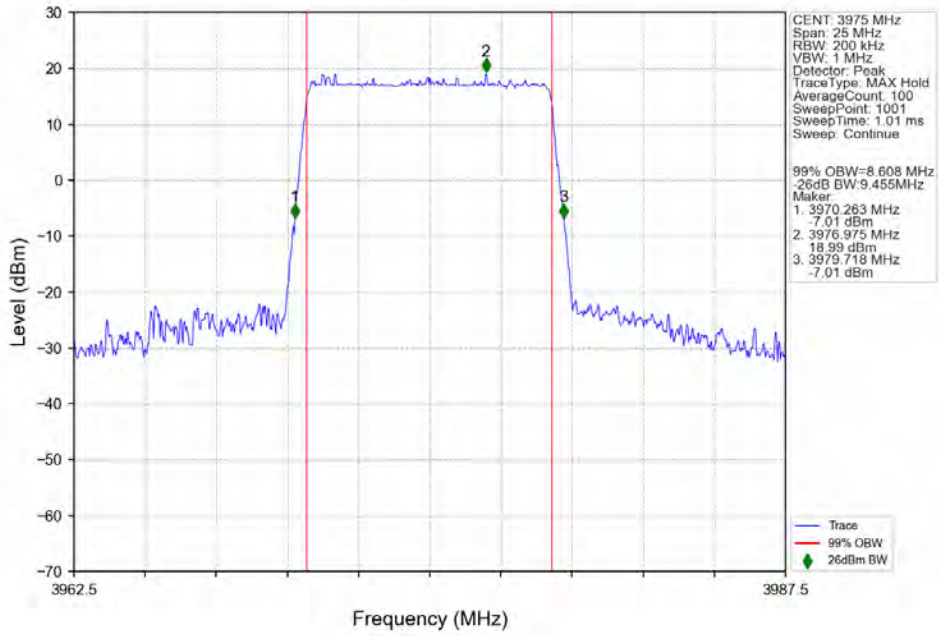
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3705MHz_Outer_Full_Ant1



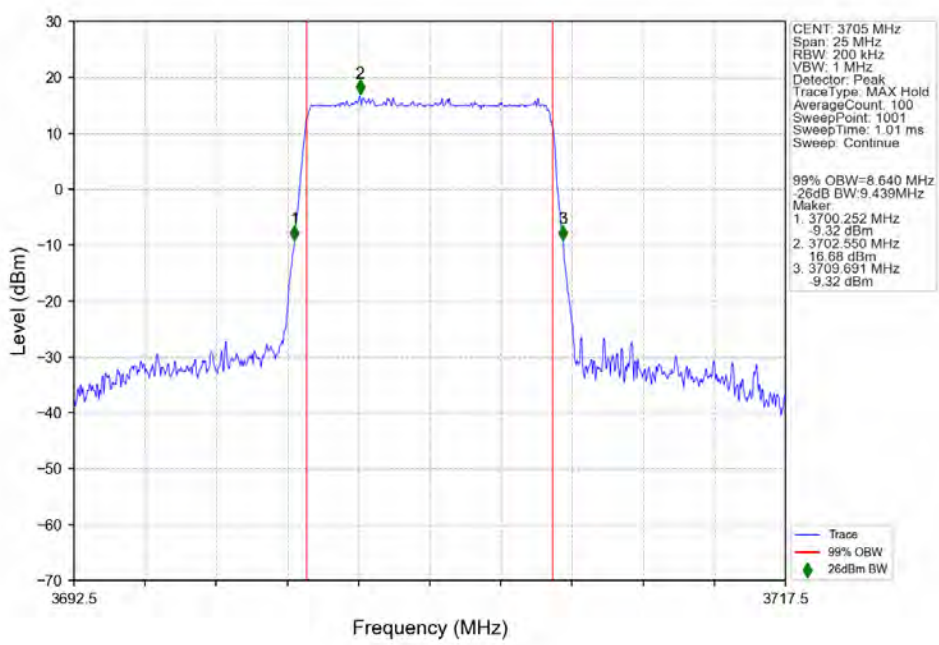
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant1



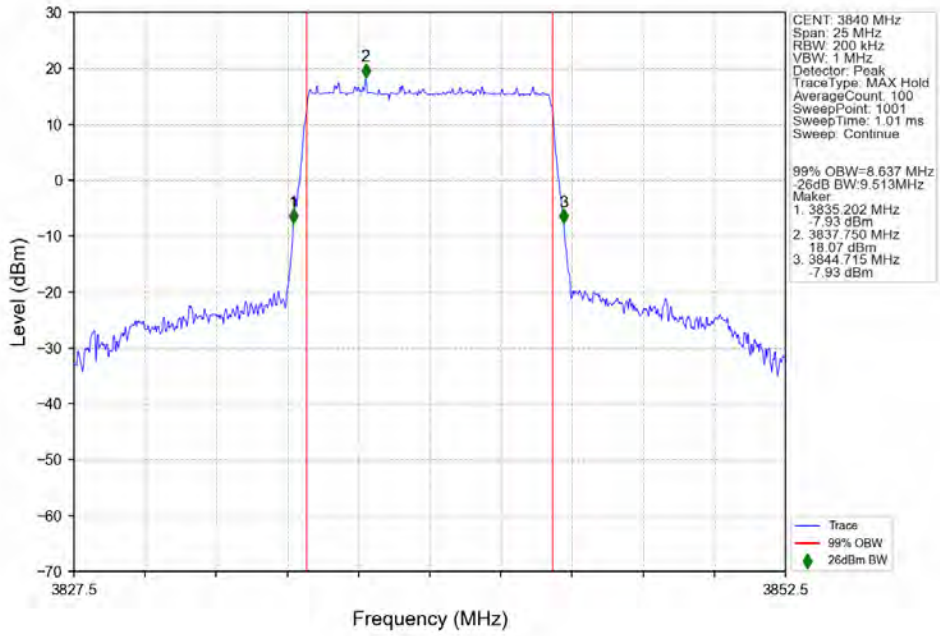
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3975MHz_Outer_Full_Ant1



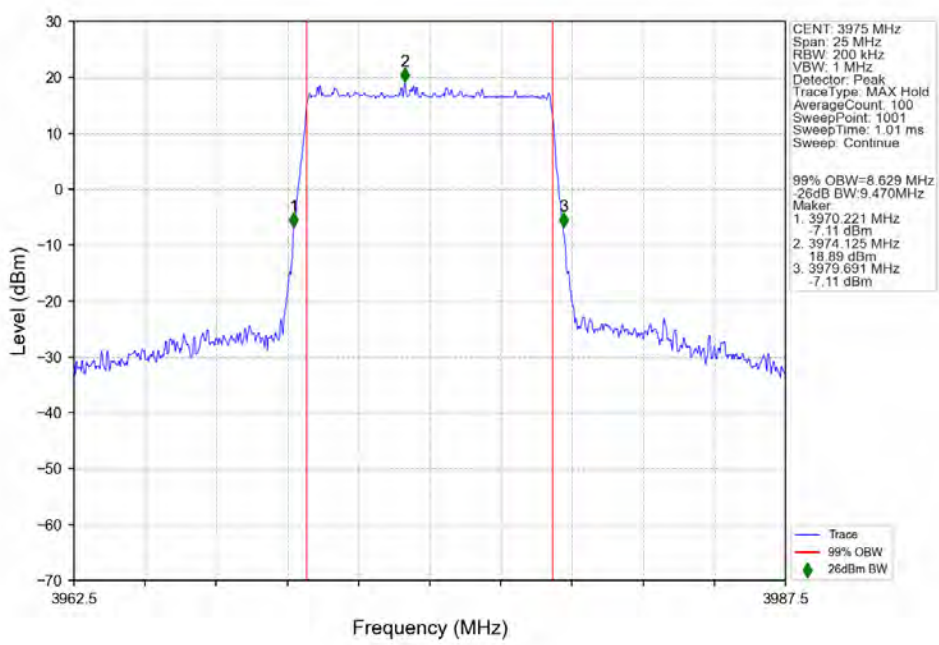
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_3705MHz_Outer_Full_Ant1



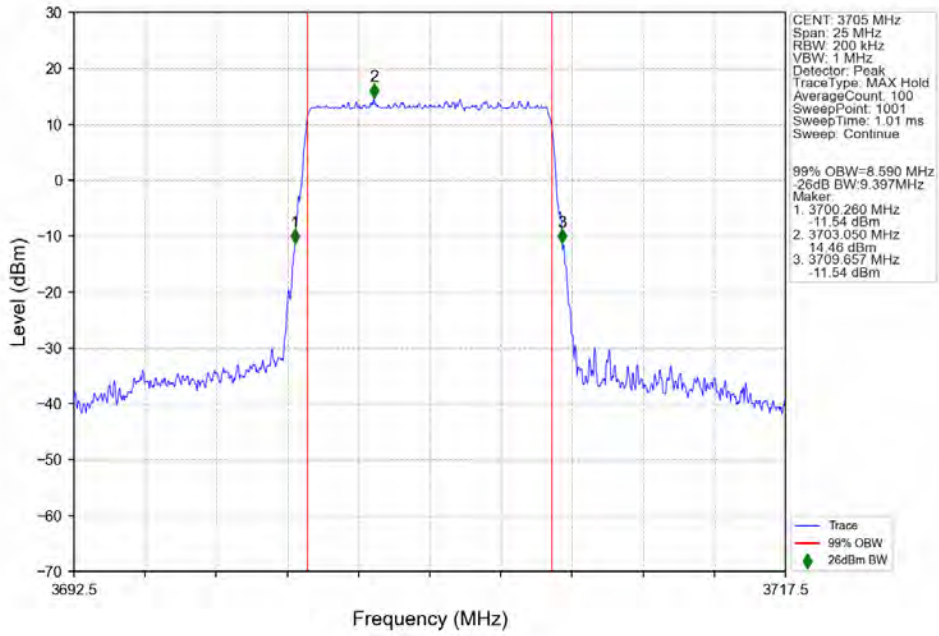
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant1



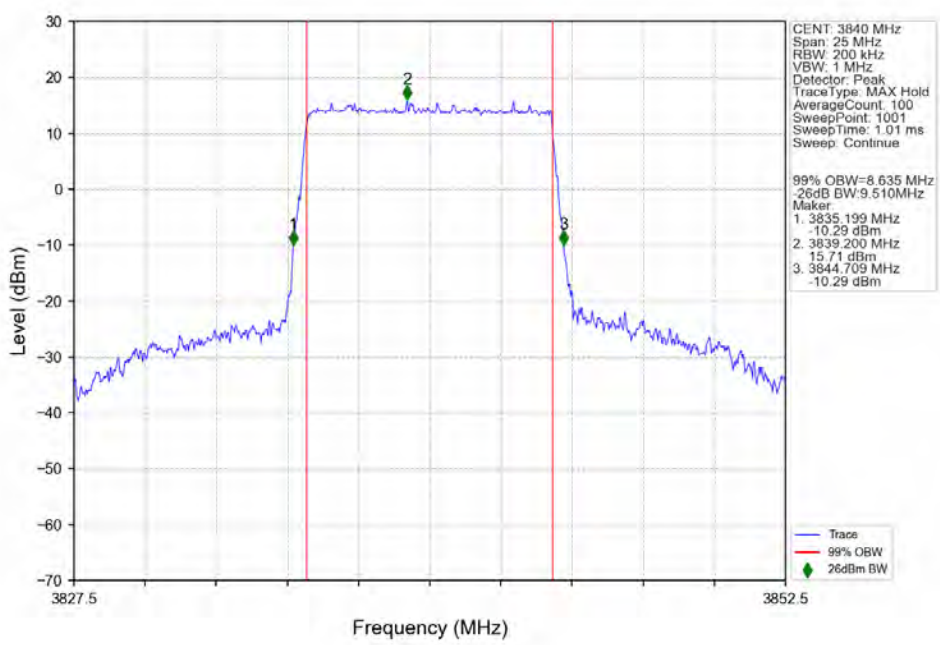
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_3975MHz_Outer_Full_Ant1



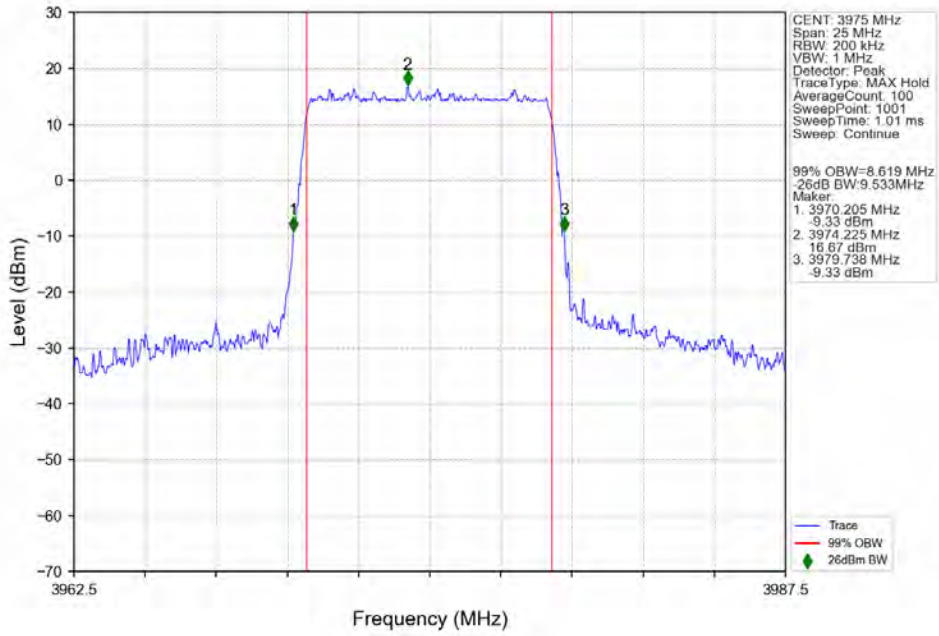
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_3705MHz_Outer_Full_Ant1



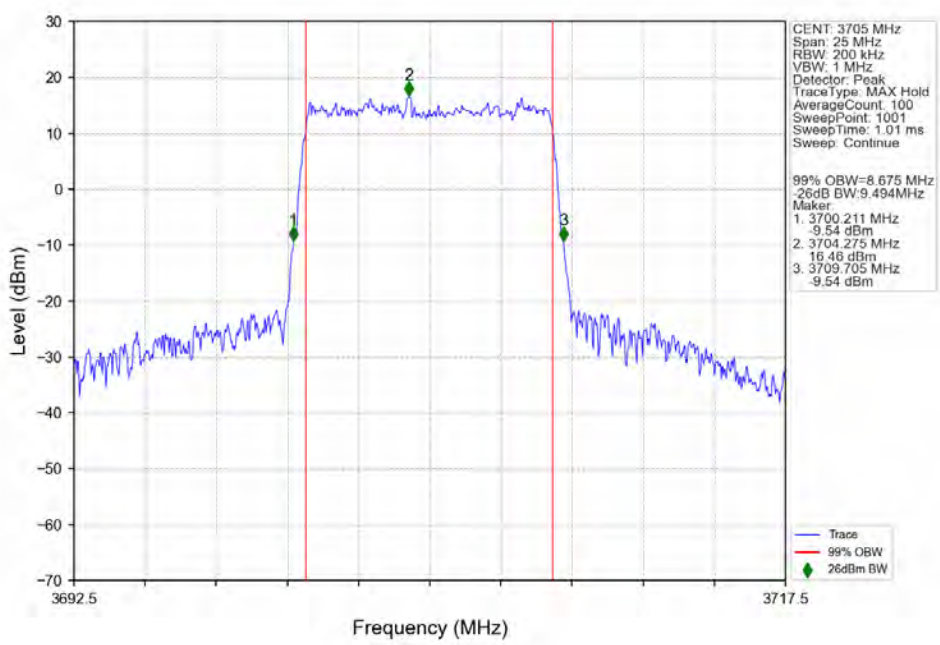
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant1



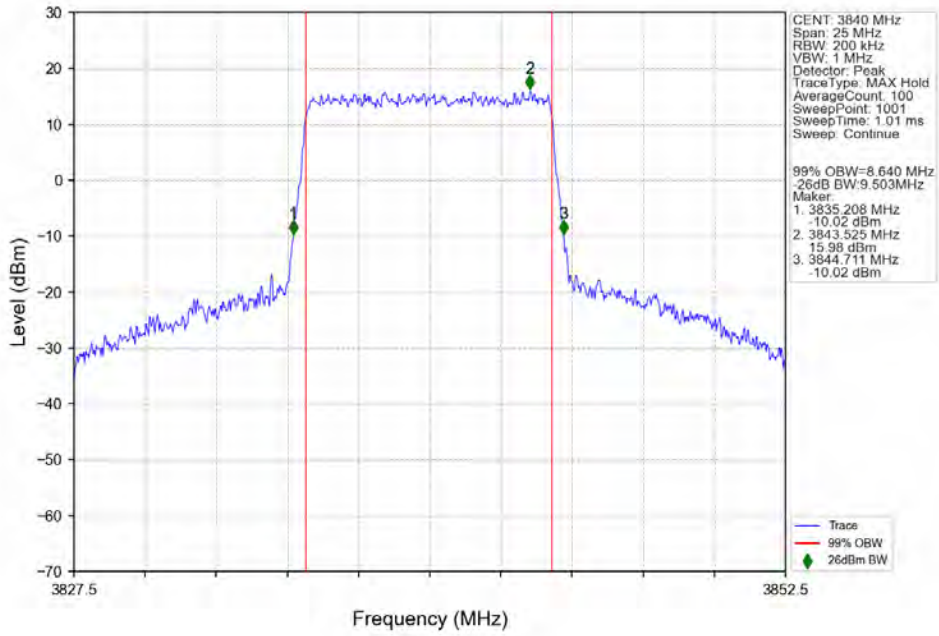
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_3975MHz_Outer_Full_Ant1



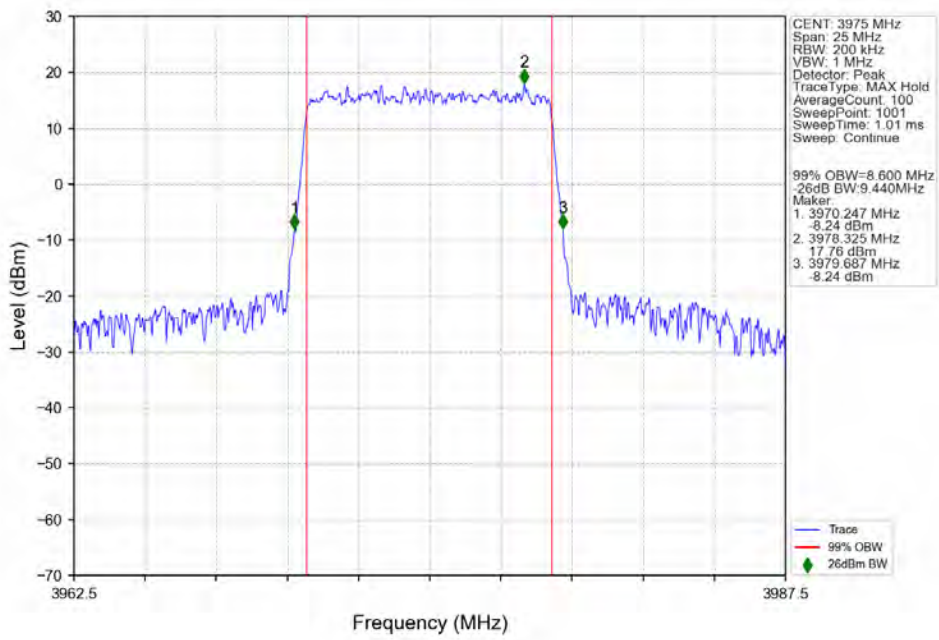
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3705MHz_Outer_Full_Ant1



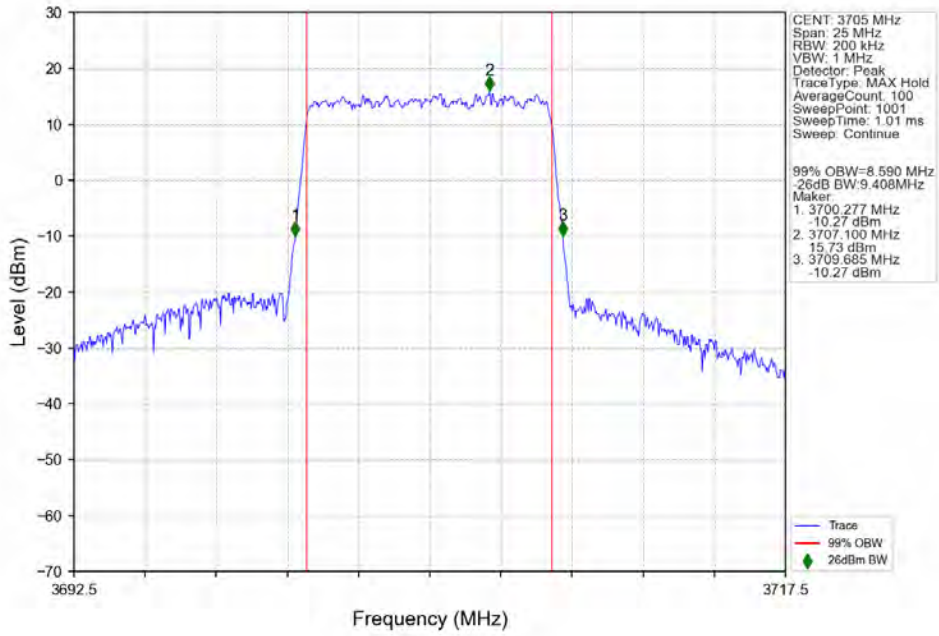
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant1



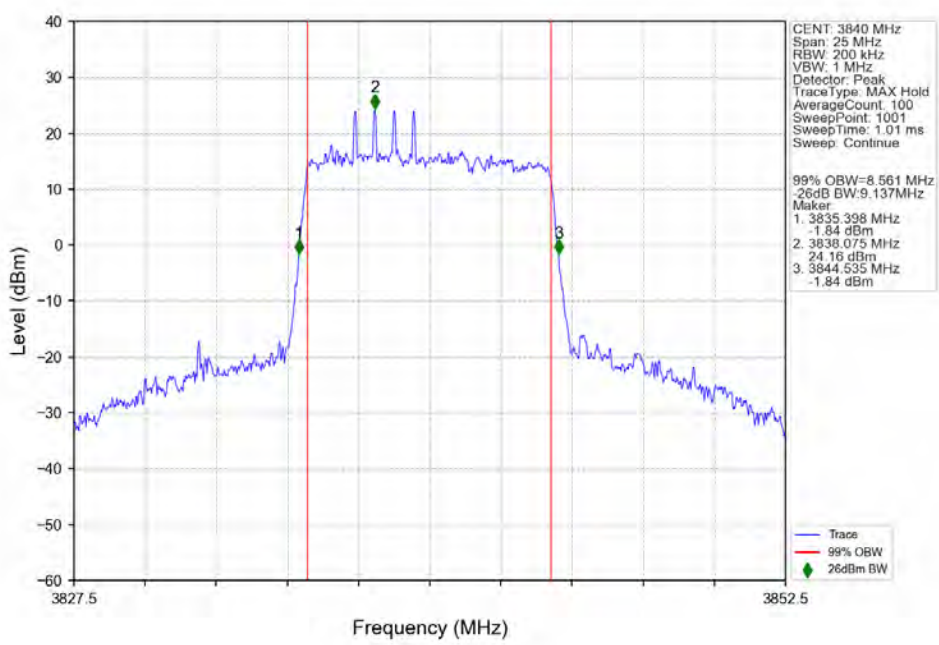
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3975MHz_Outer_Full_Ant1



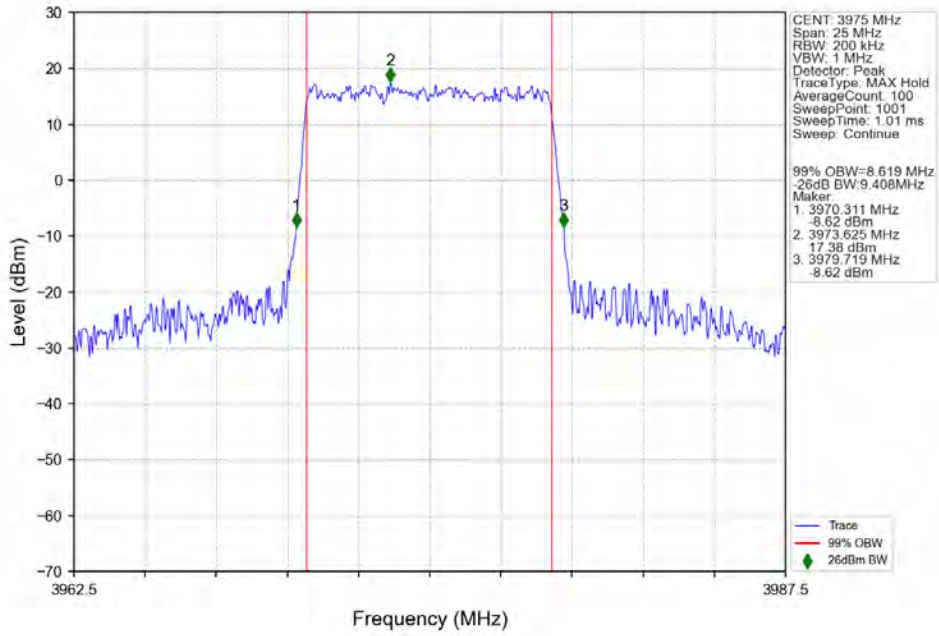
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3705MHz_Outer_Full_Ant1



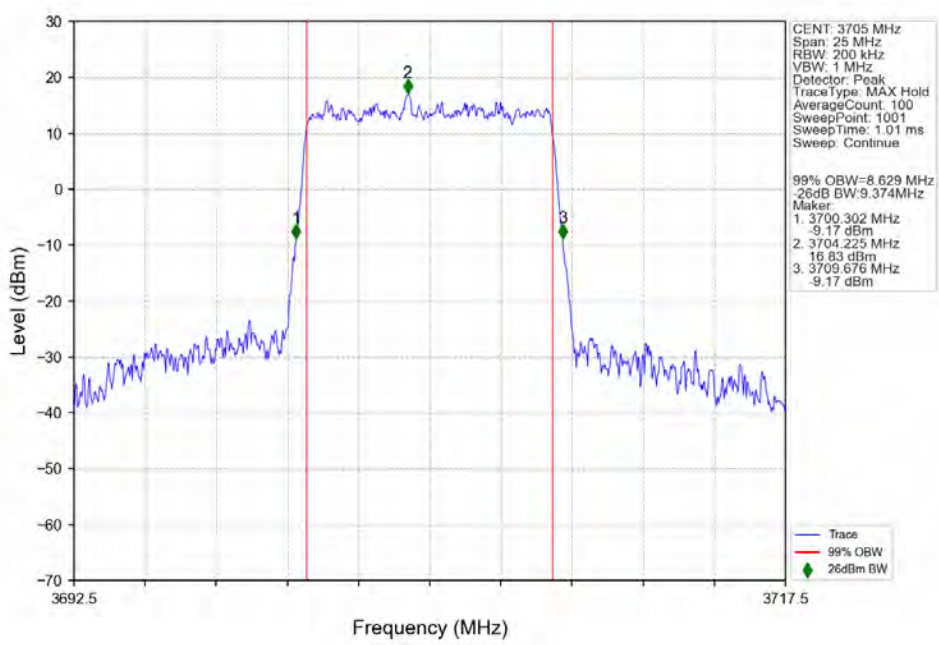
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant1



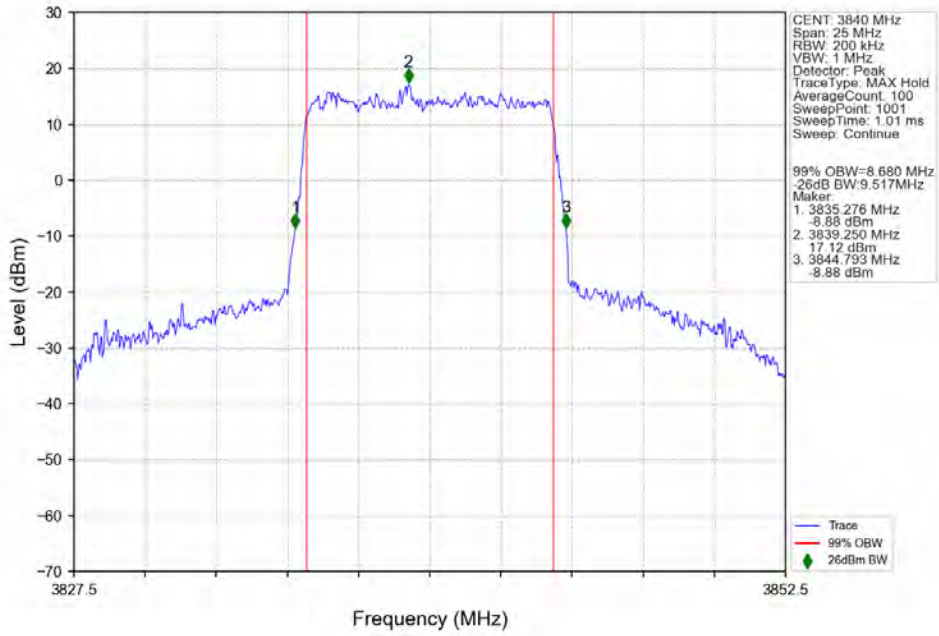
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3975MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_3705MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant1



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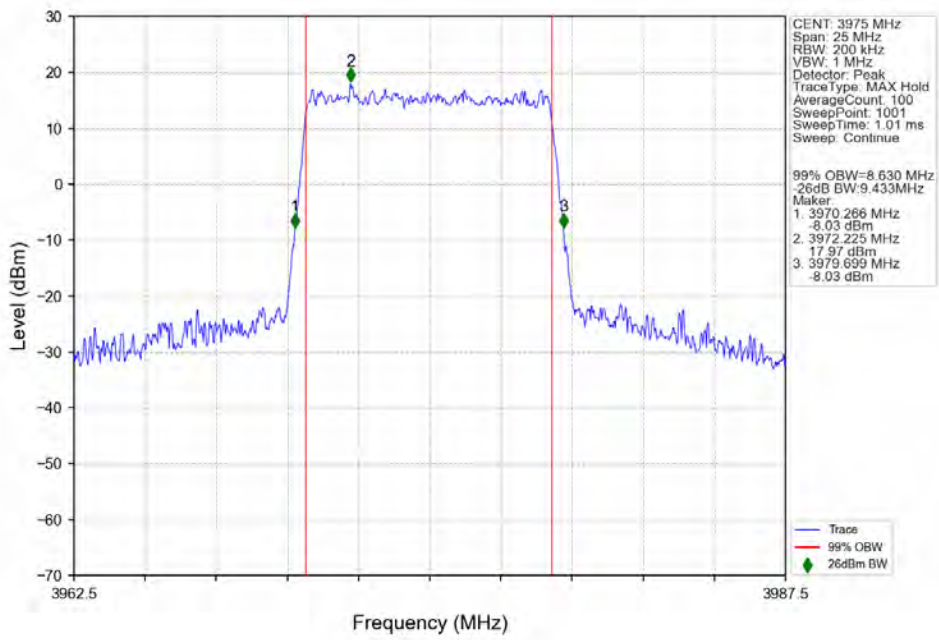

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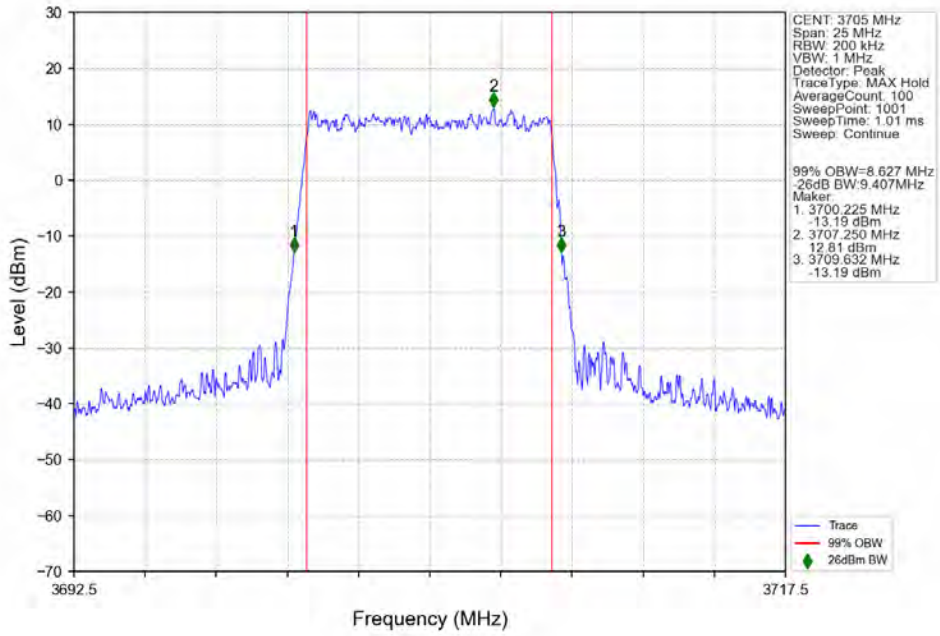

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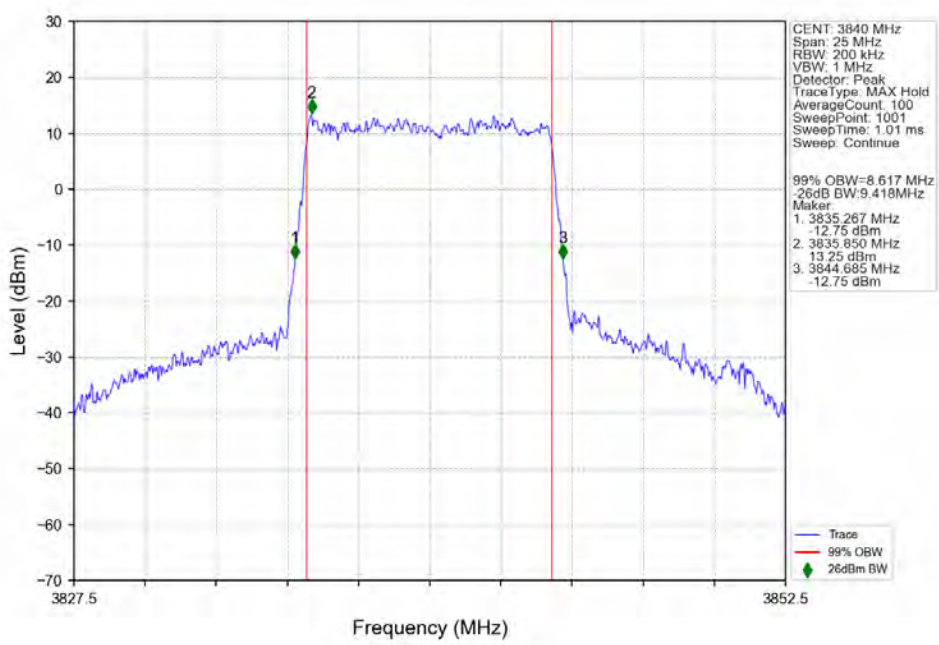

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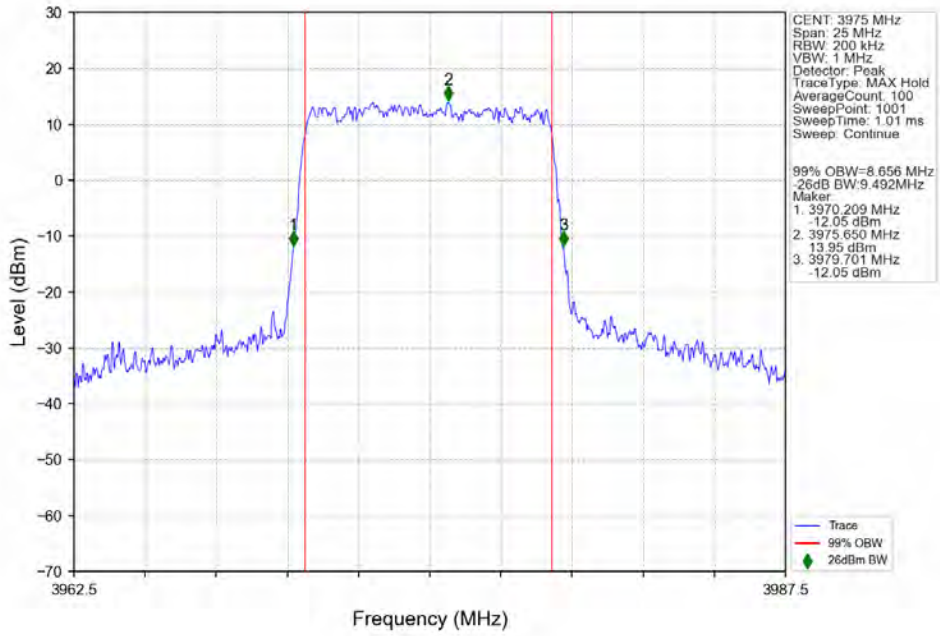

3.2.2 30k_SISO_15MHz_NTNV

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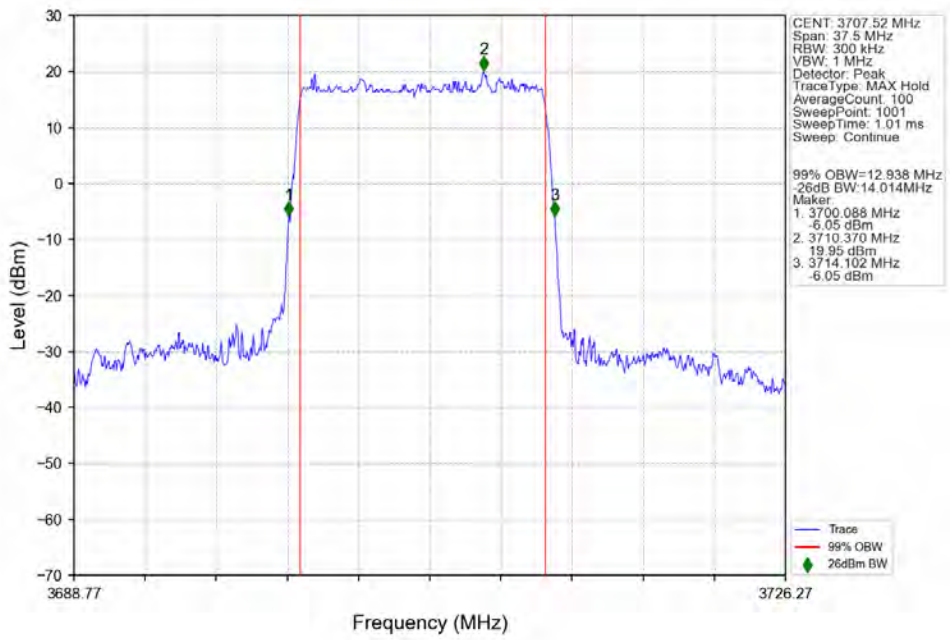

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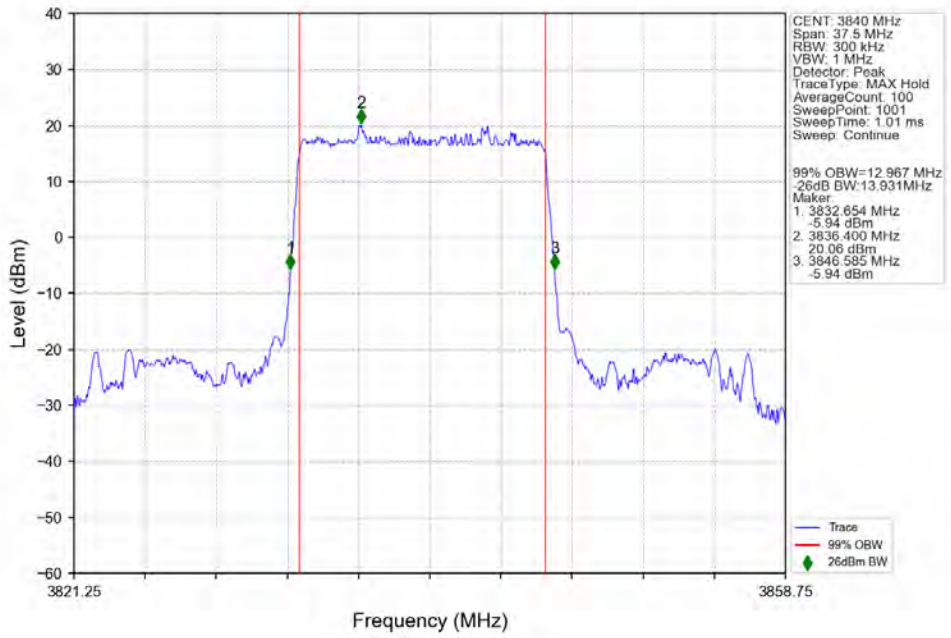

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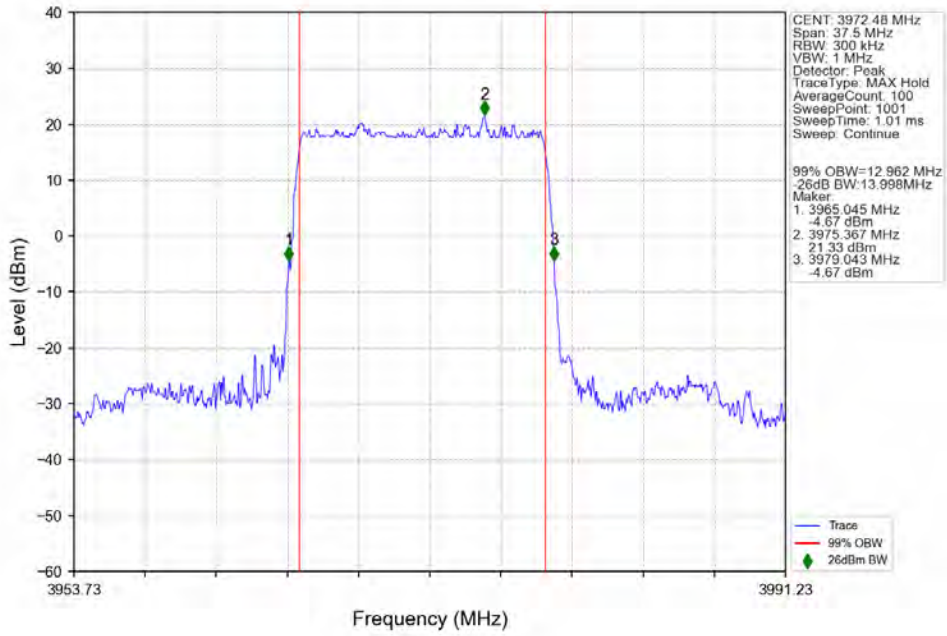

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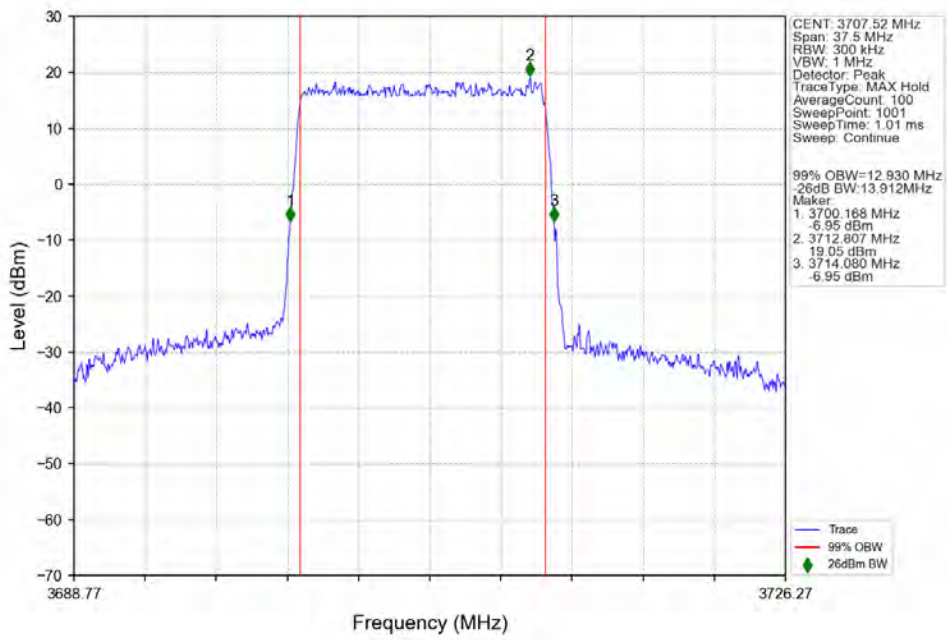

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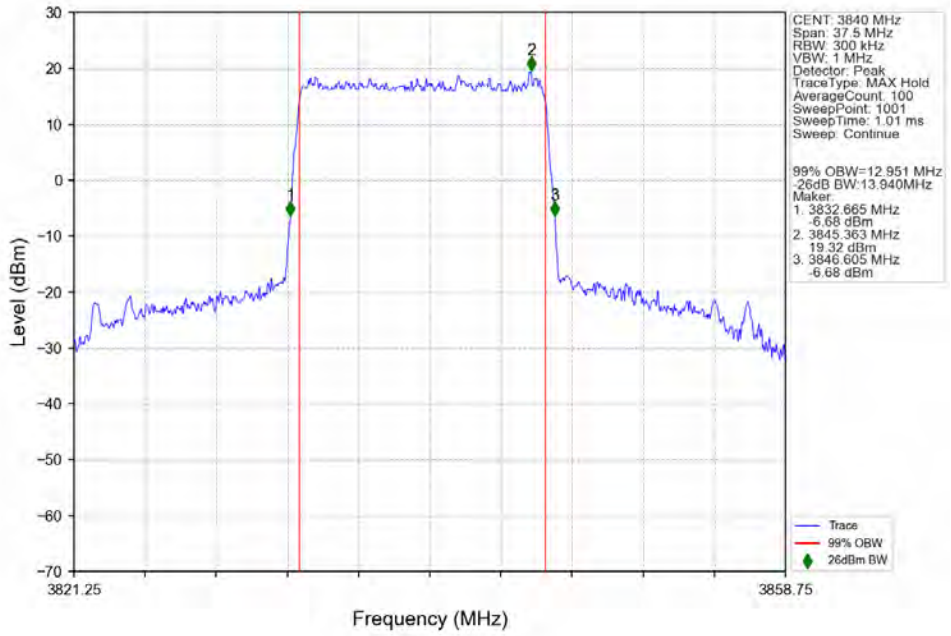
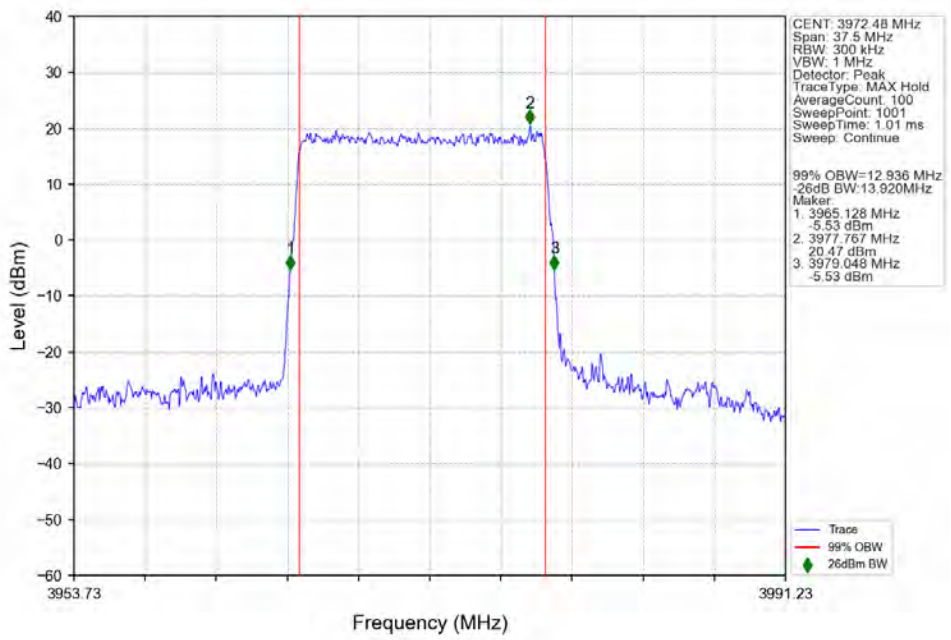
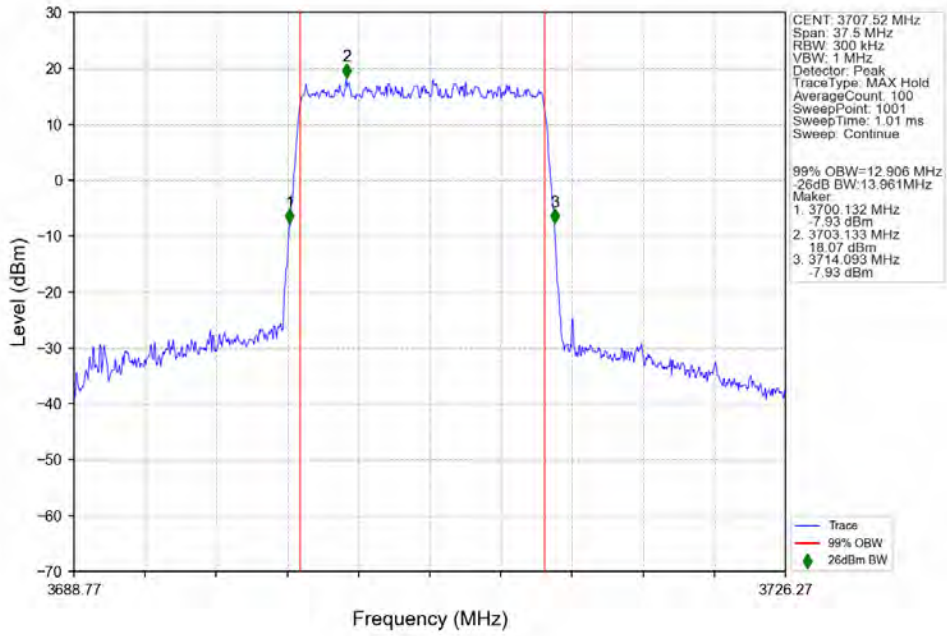


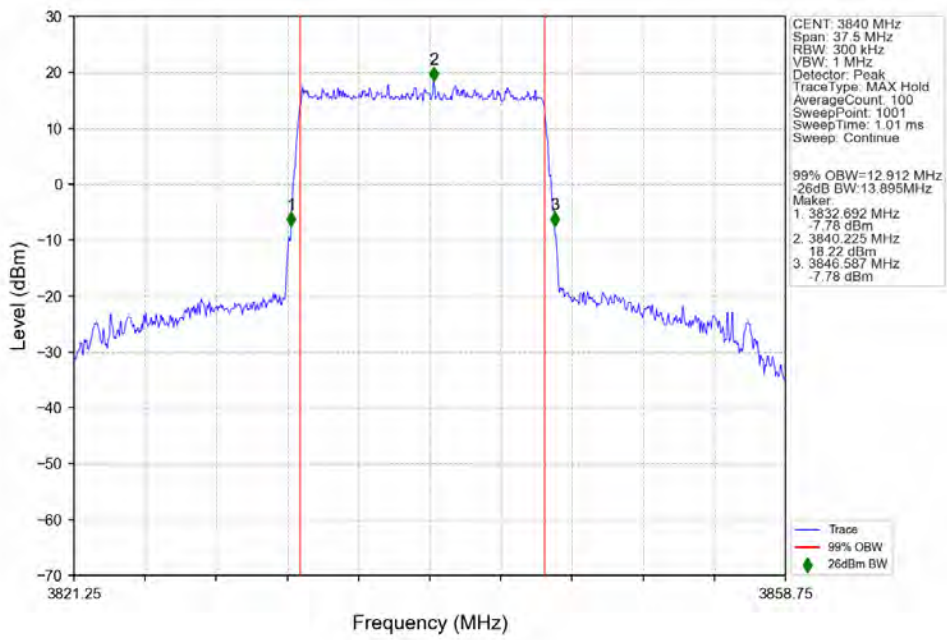
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3972.48MHz_Outer_Full_Ant1



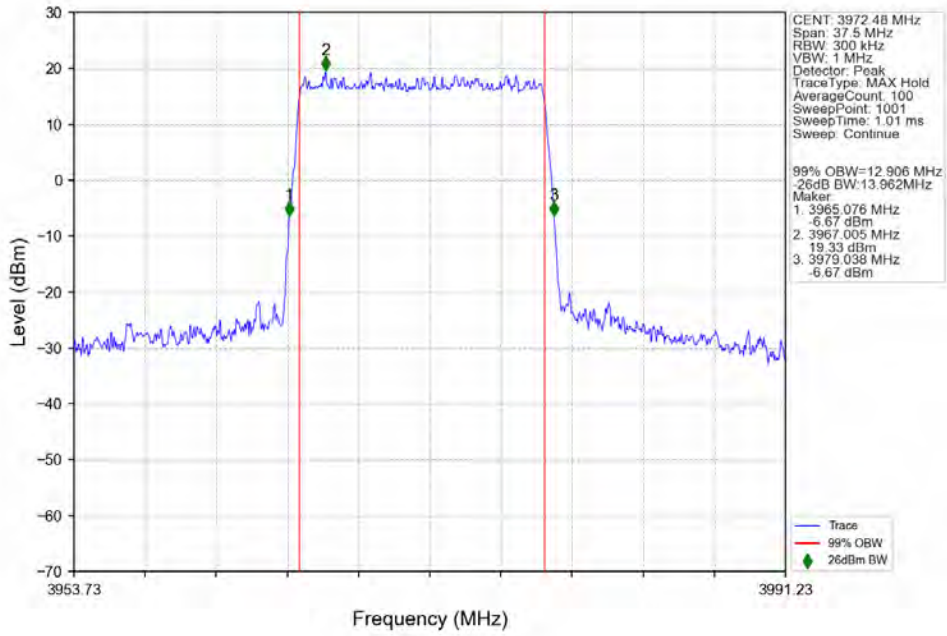
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_3707.52MHz_Outer_Full_Ant1



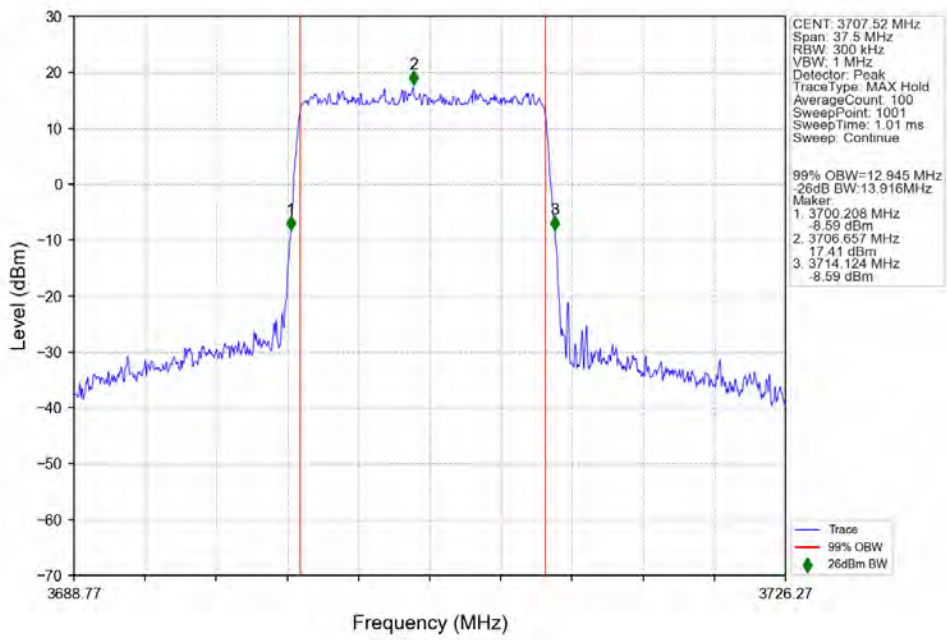
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant1



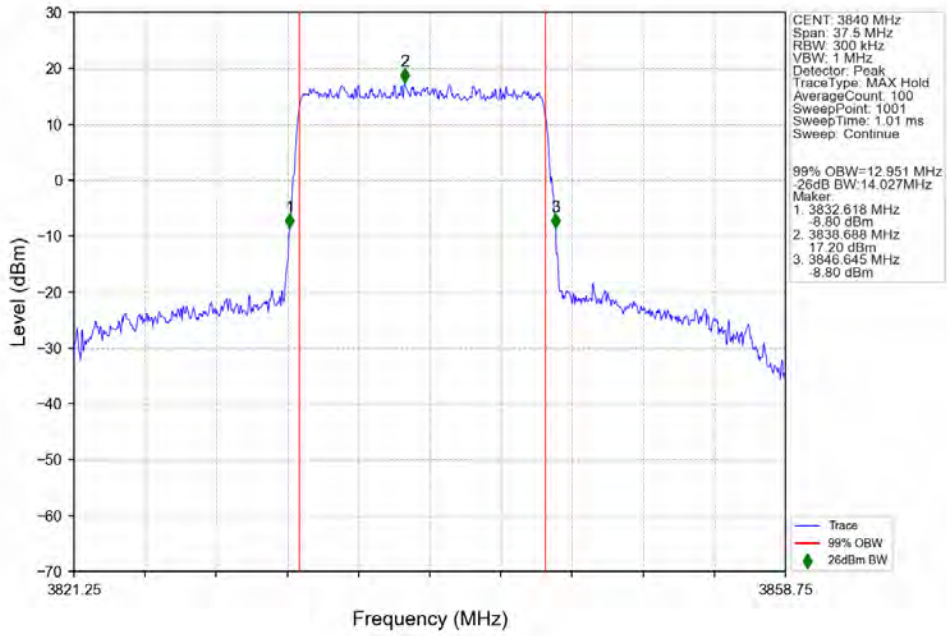
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_3972.48MHz_Outer_Full_Ant1



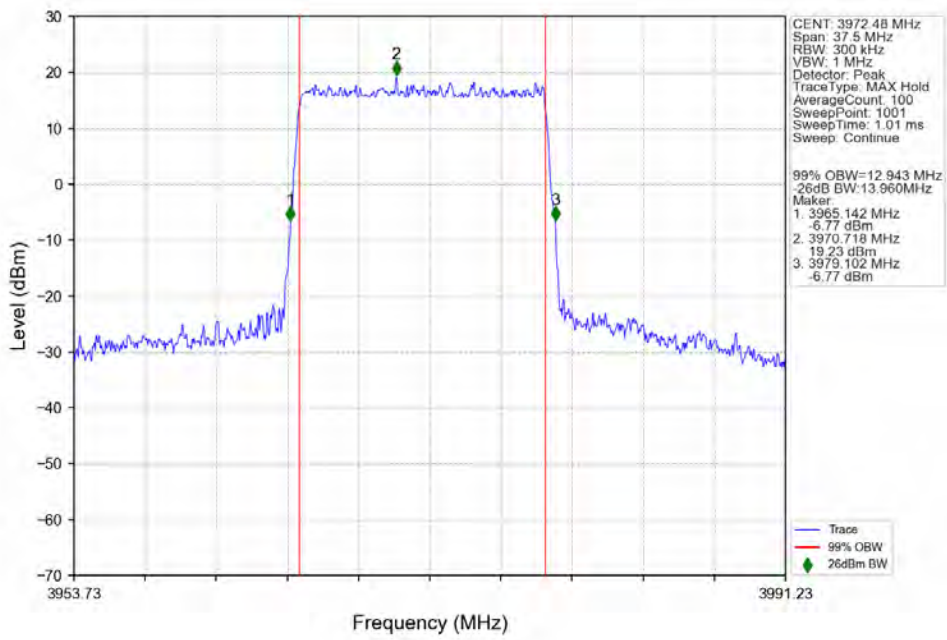
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_3707.52MHz_Outer_Full_Ant1



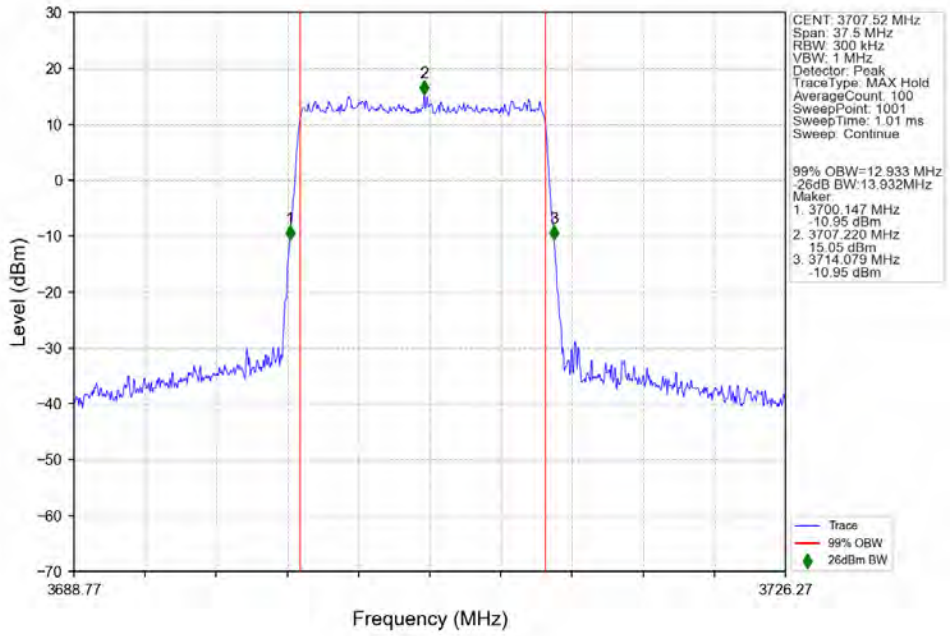
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant1



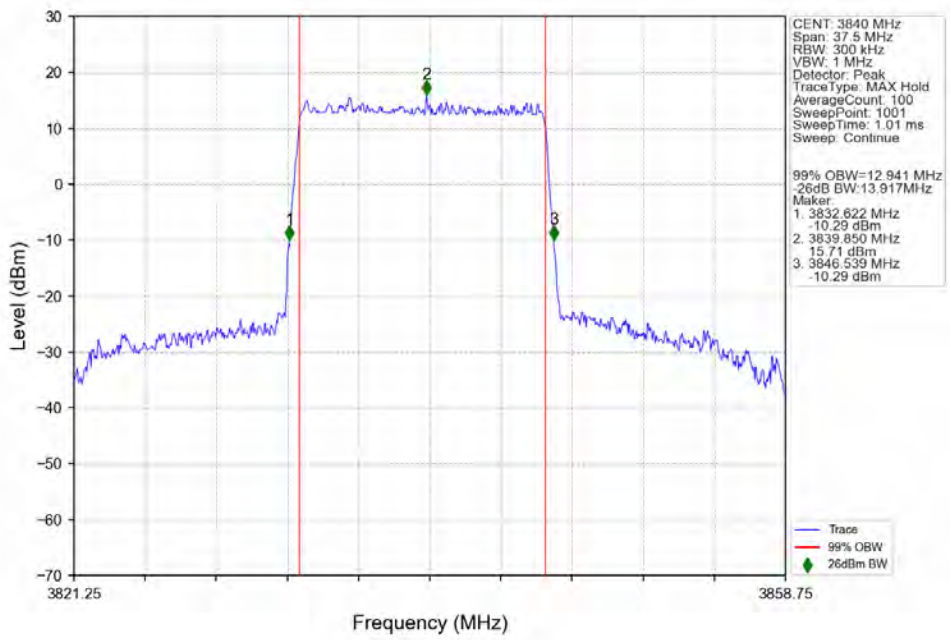
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_3972.48MHz_Outer_Full_Ant1



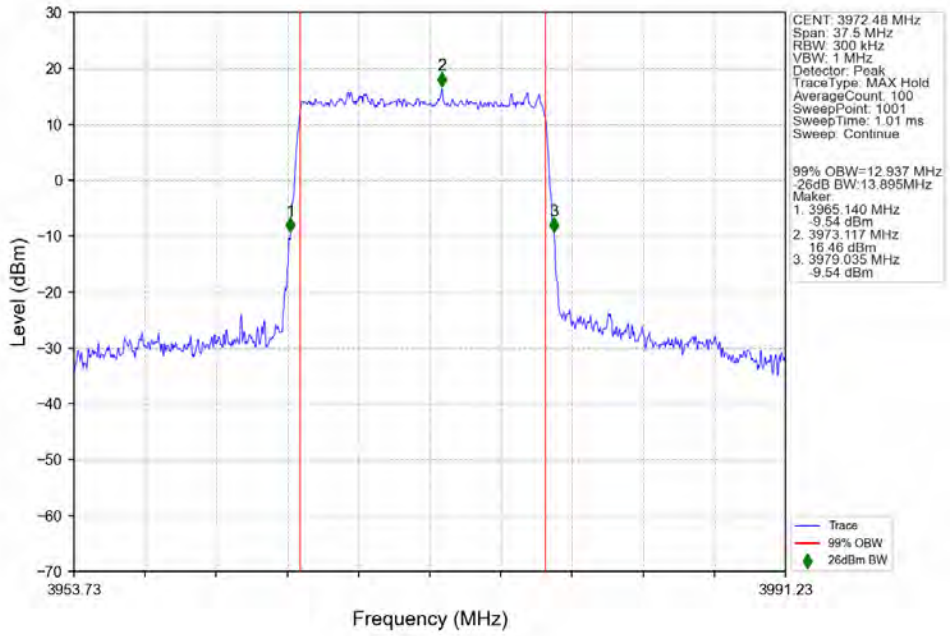
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_3707.52MHz_Outer_Full_Ant1



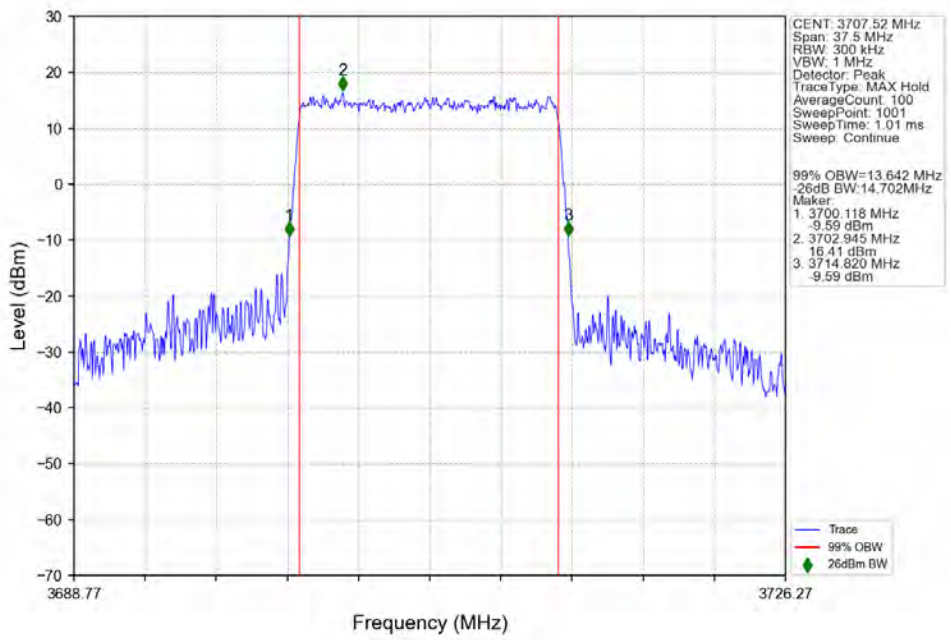
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_3972.48MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3707.52MHz_Outer_Full_Ant1



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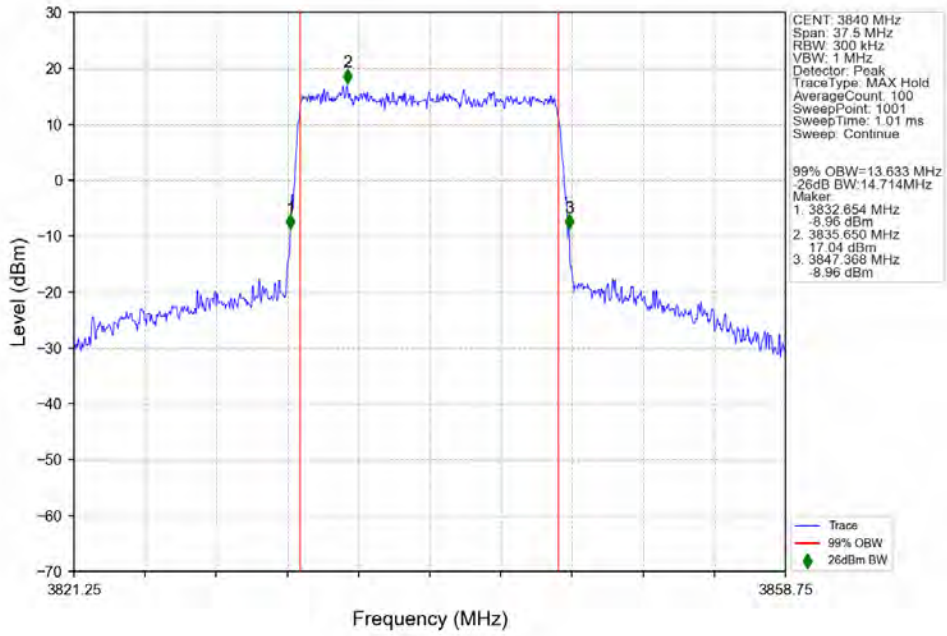
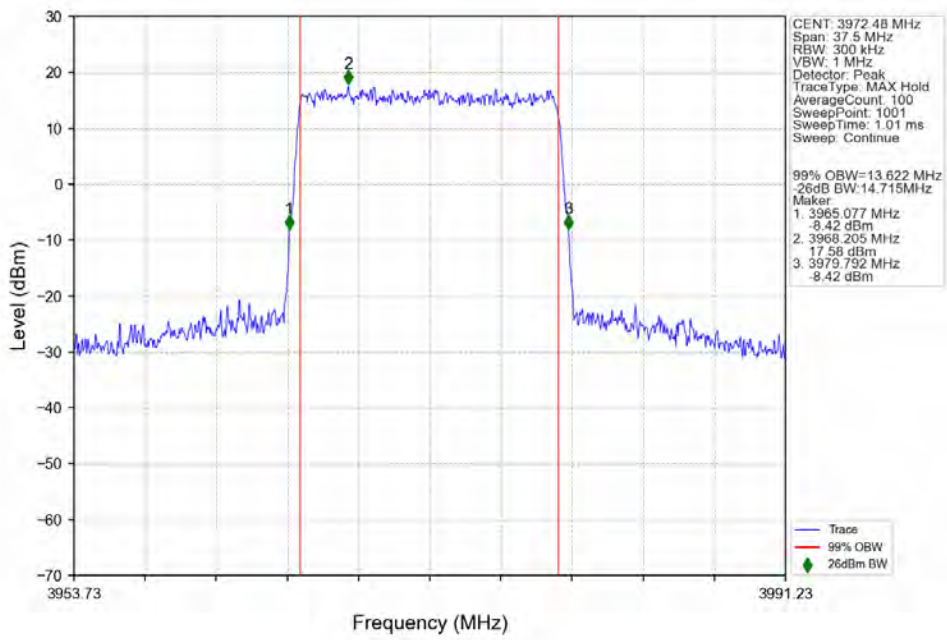
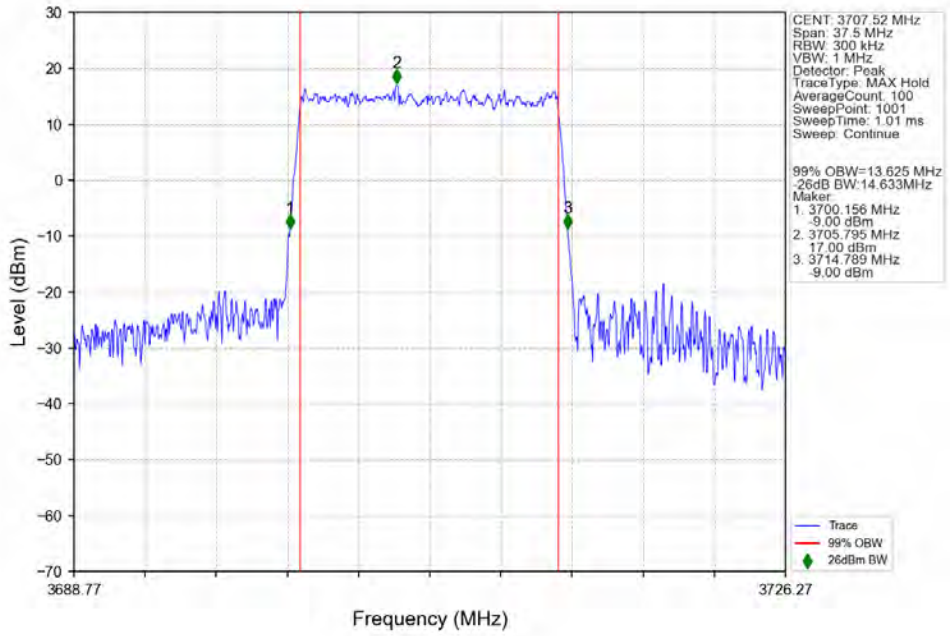


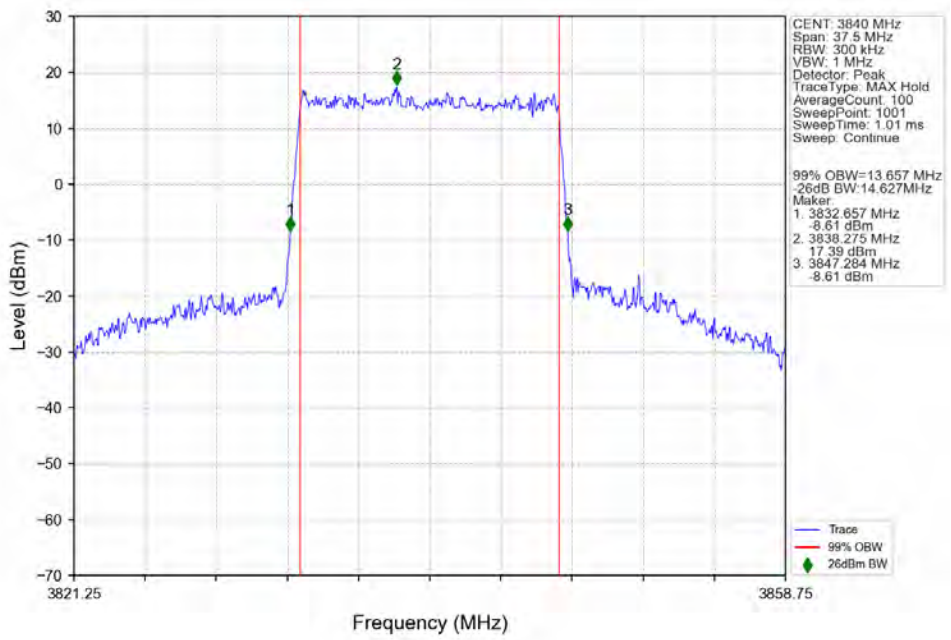
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3972.48MHz_Outer_Full_Ant1



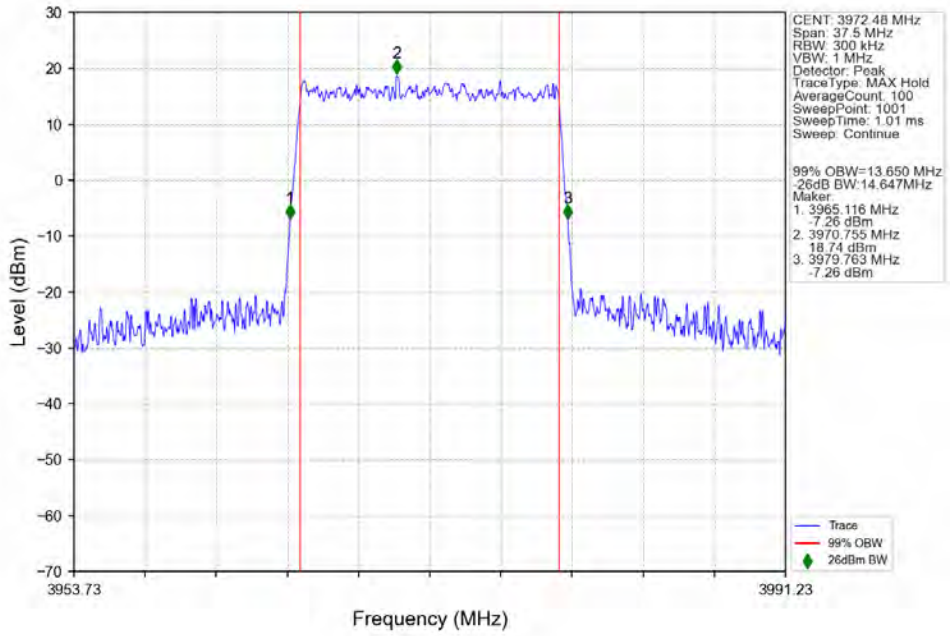
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_3707.52MHz_Outer_Full_Ant1



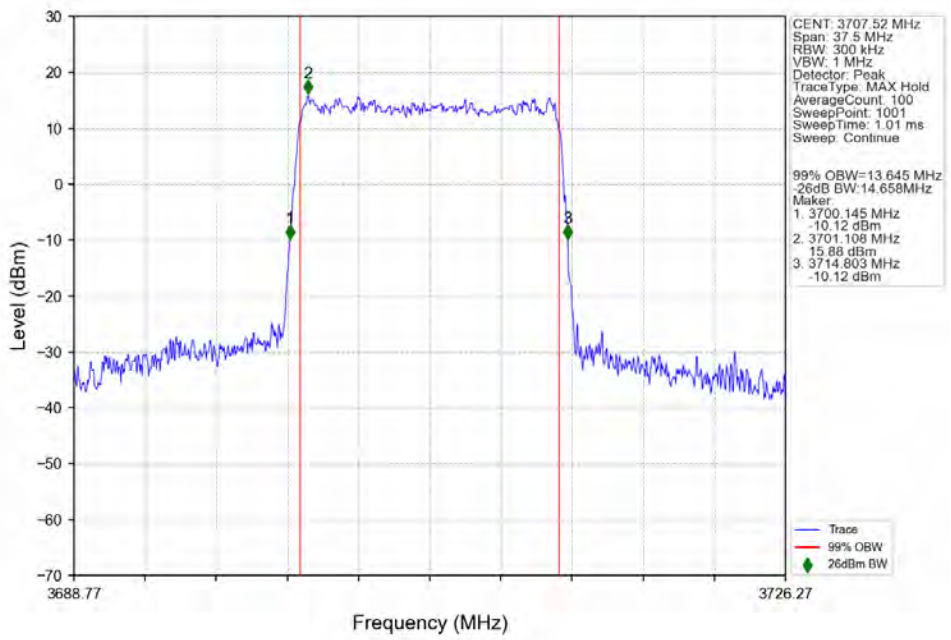
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant1



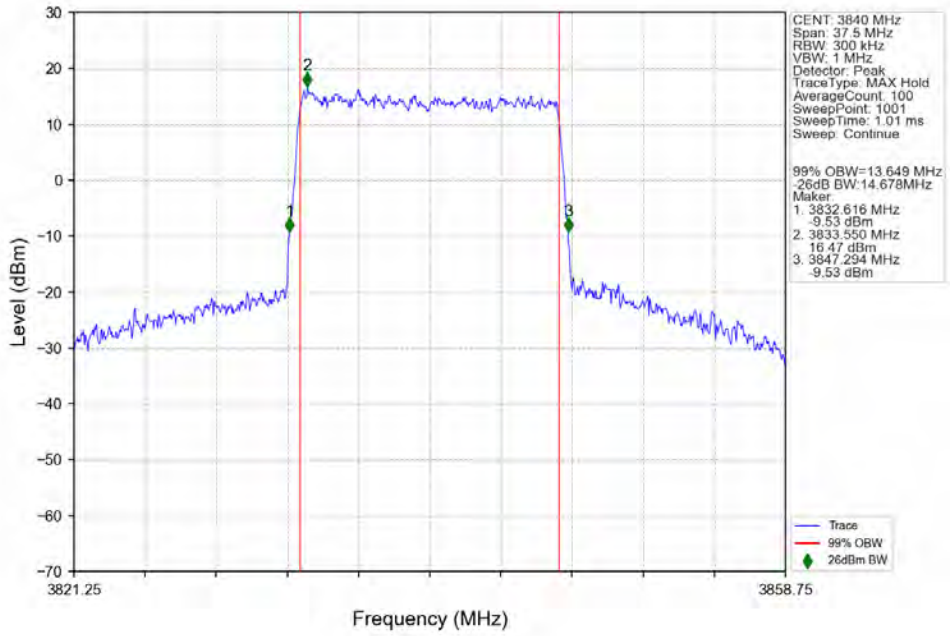
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_3972.48MHz_Outer_Full_Ant1



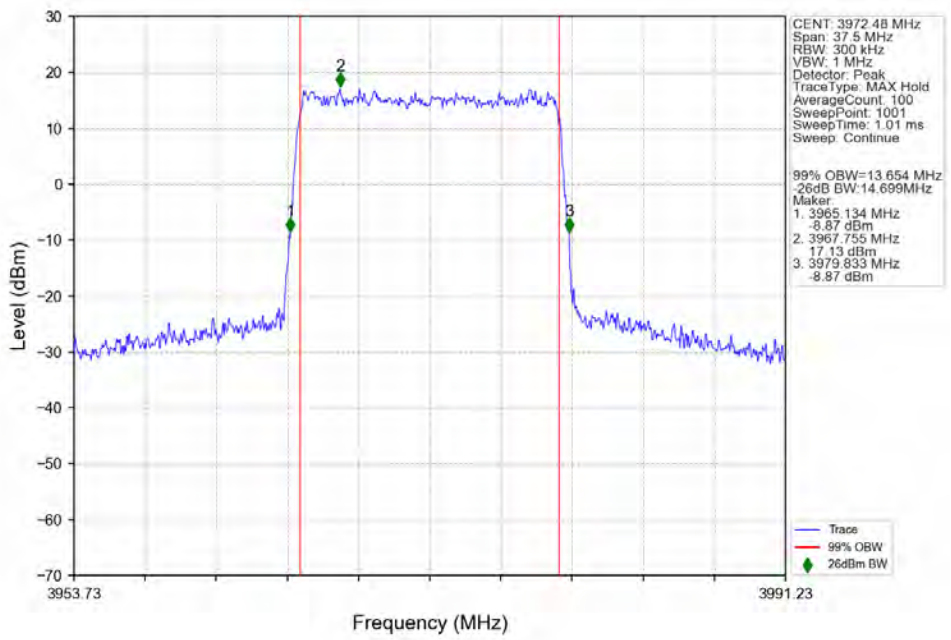
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_3707.52MHz_Outer_Full_Ant1



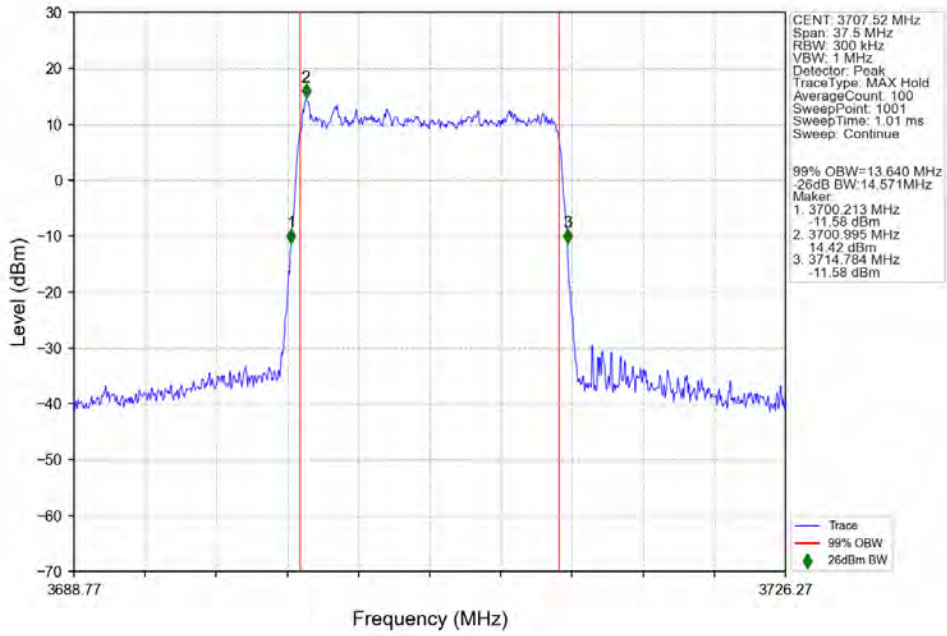
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant1



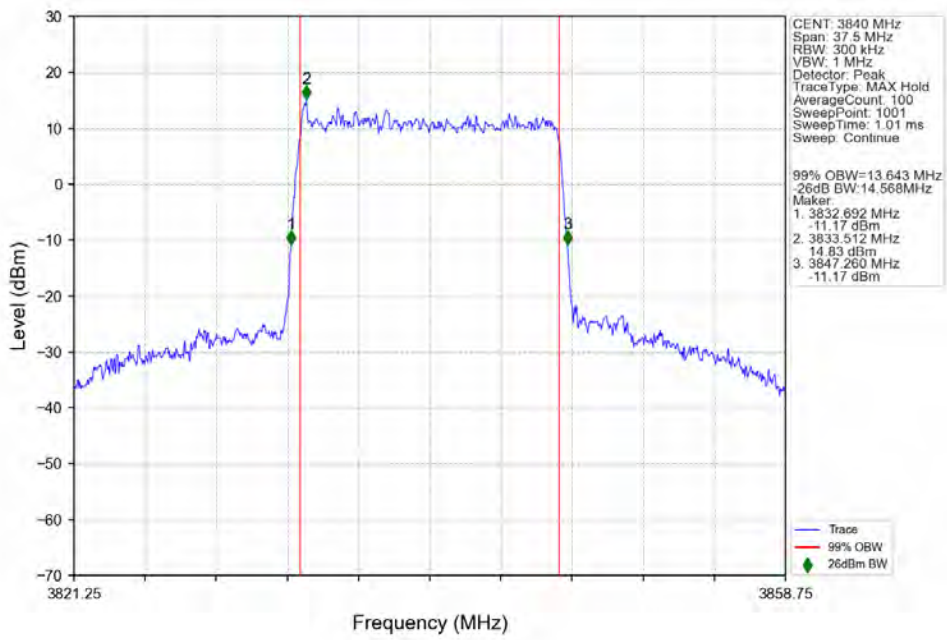
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_3972.48MHz_Outer_Full_Ant1



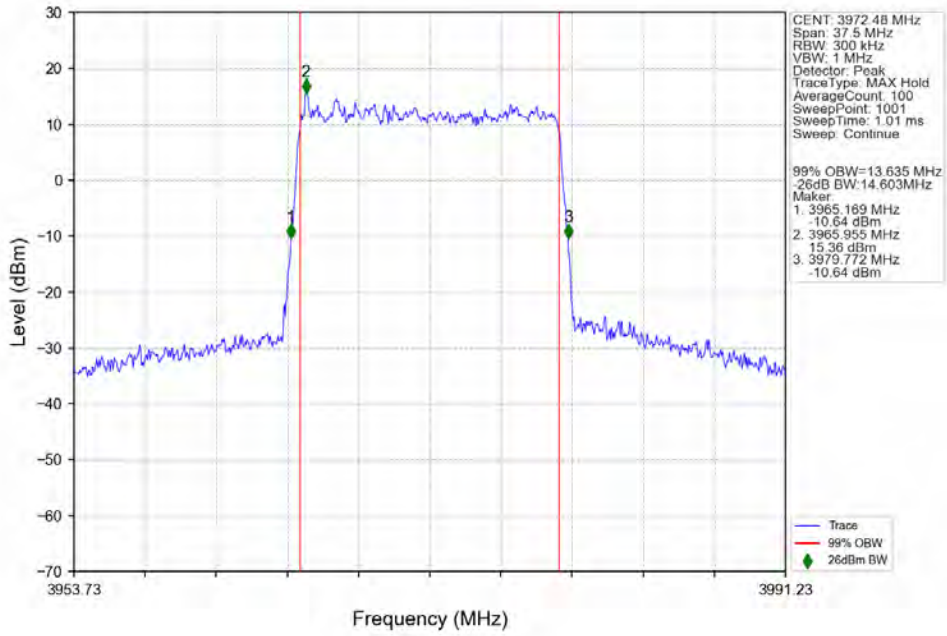
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_3707.52MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant1

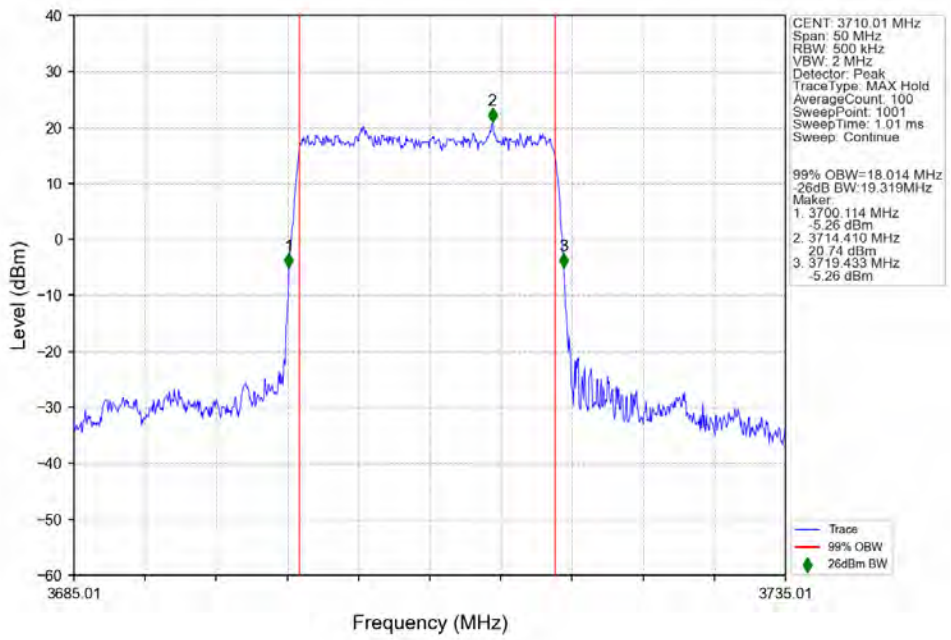


n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_3972.48MHz_Outer_Full_Ant1



3.2.3 30k_SISO_20MHz_NTNV

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Outer_Full_Ant1



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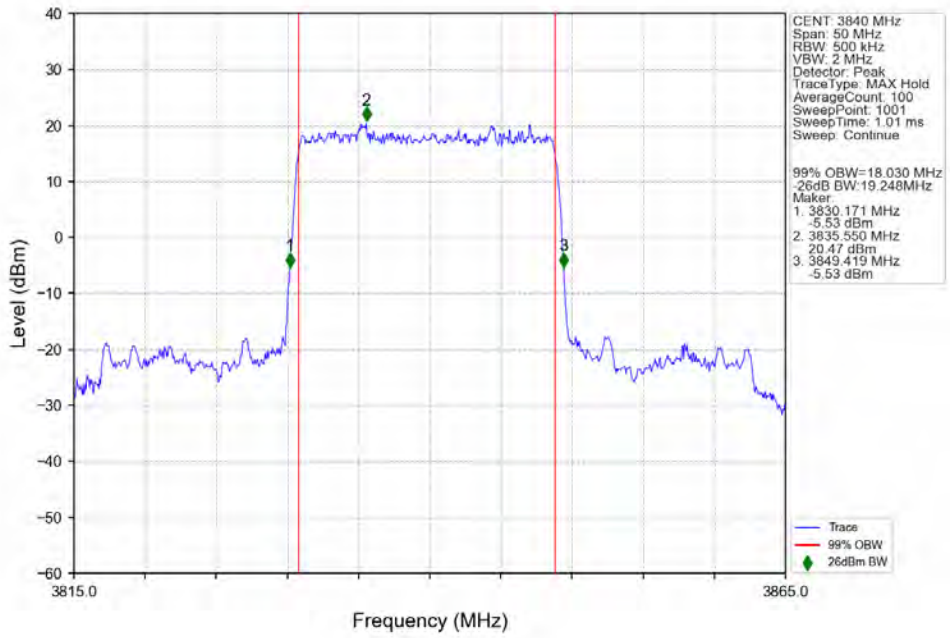

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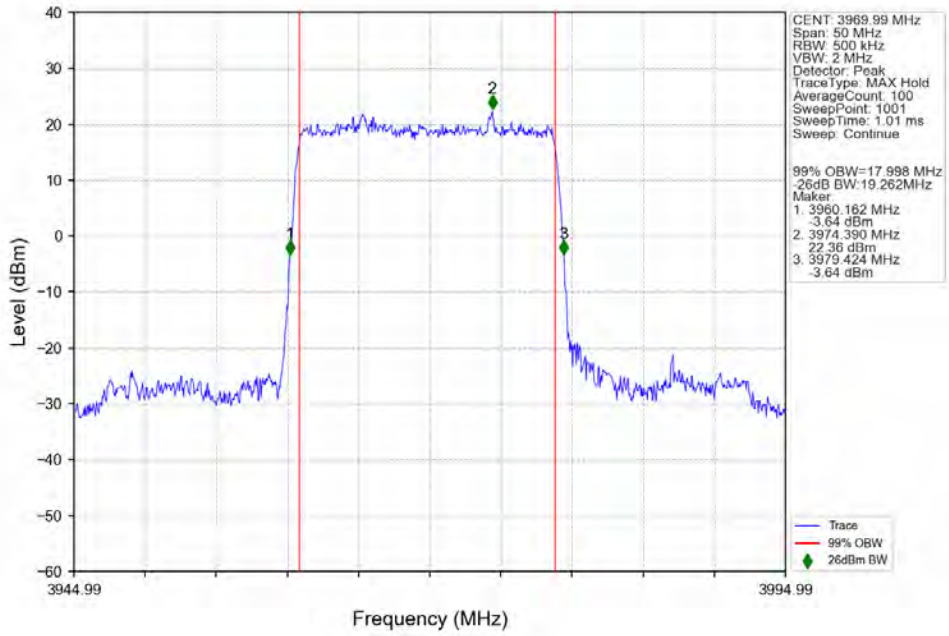

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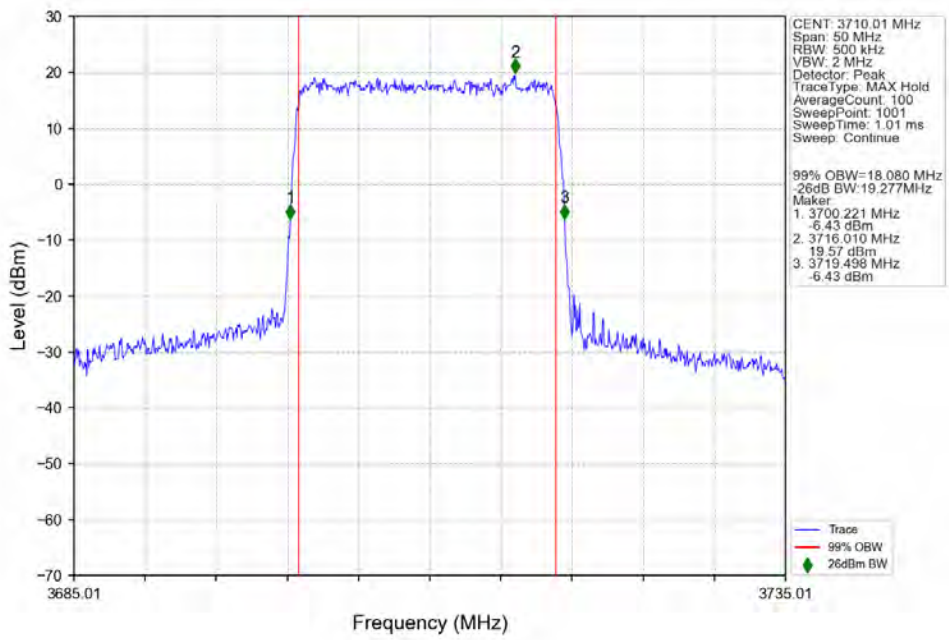

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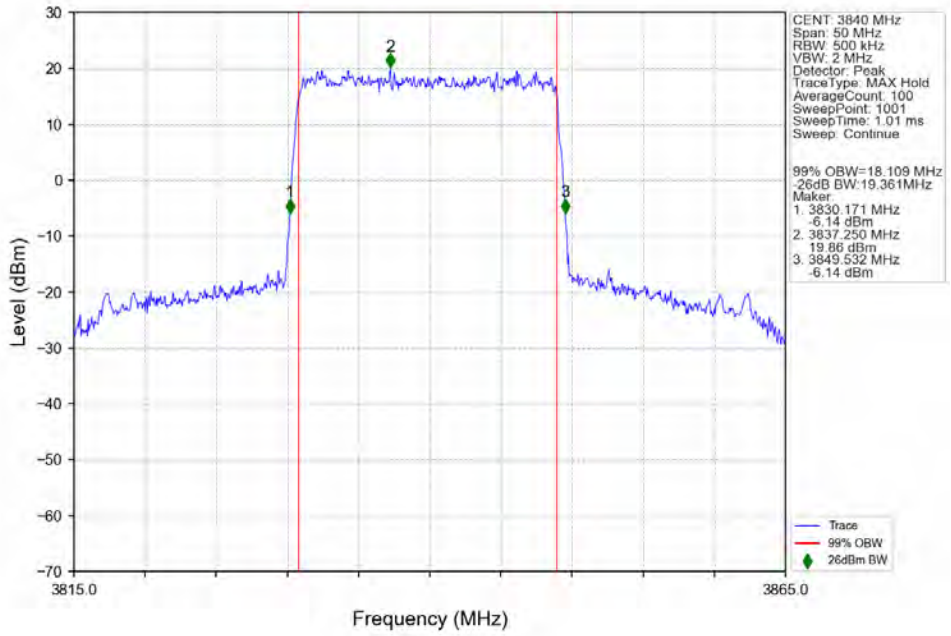
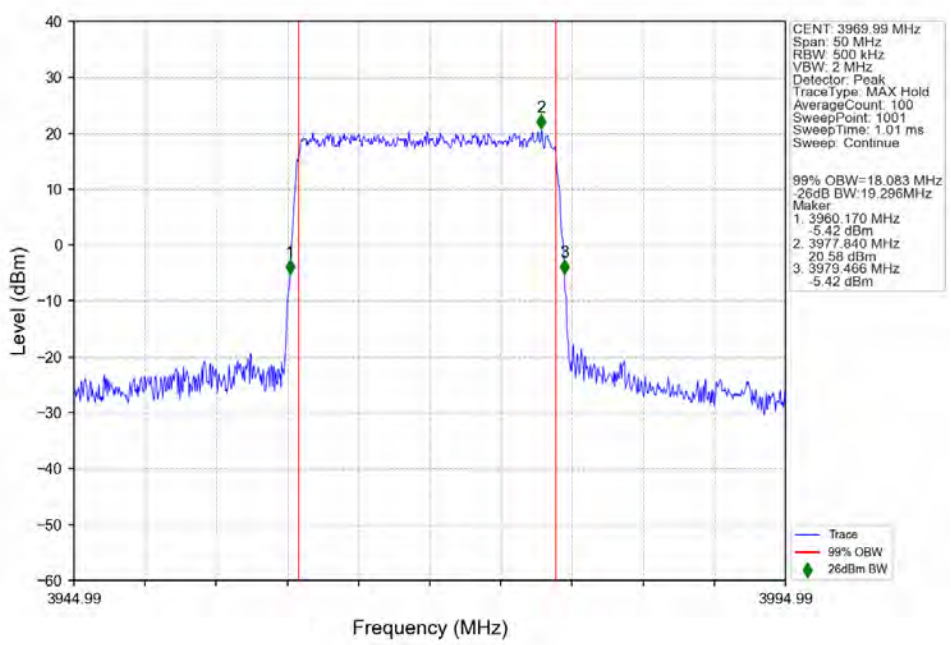
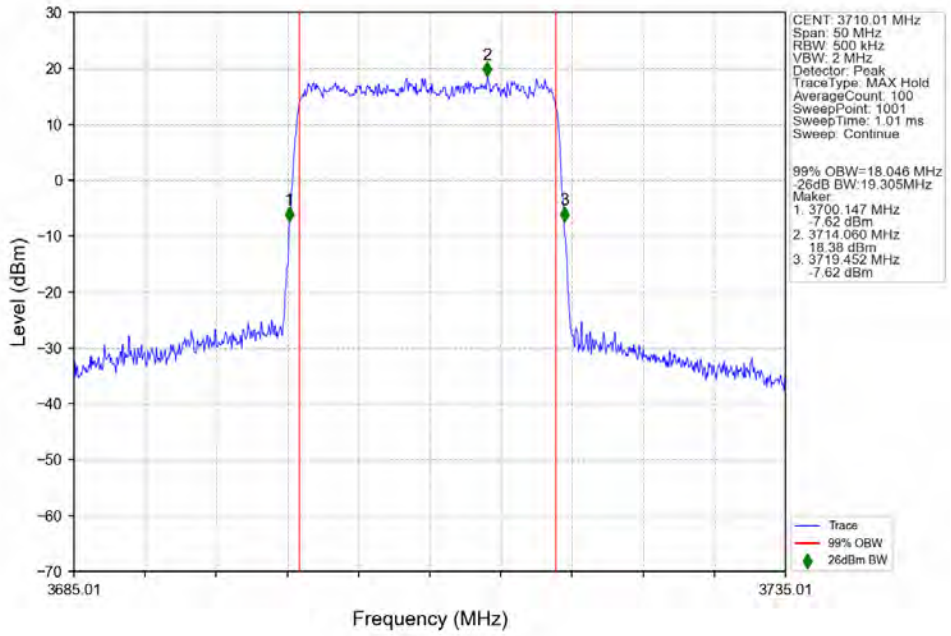


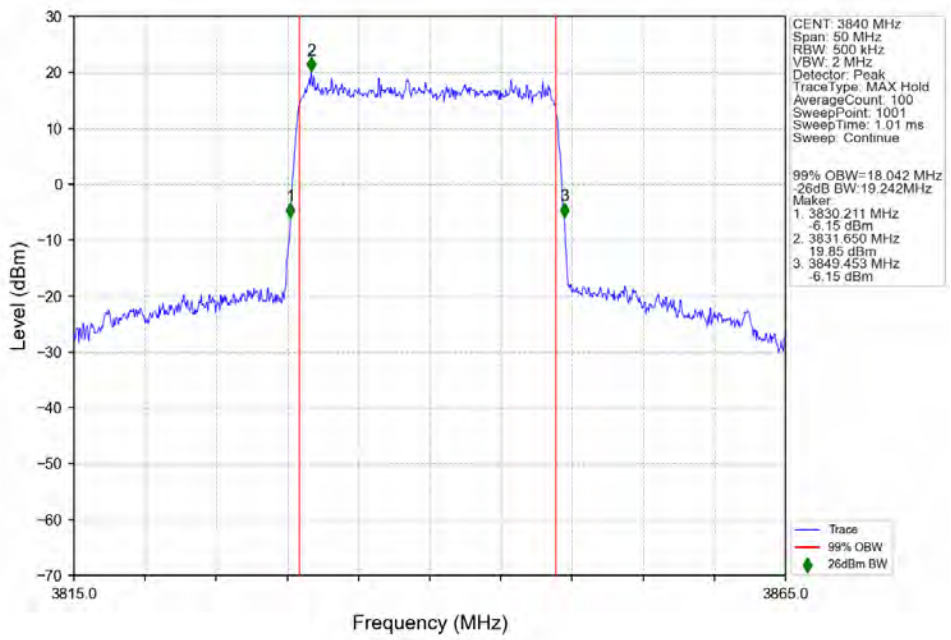
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3710.01MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant1



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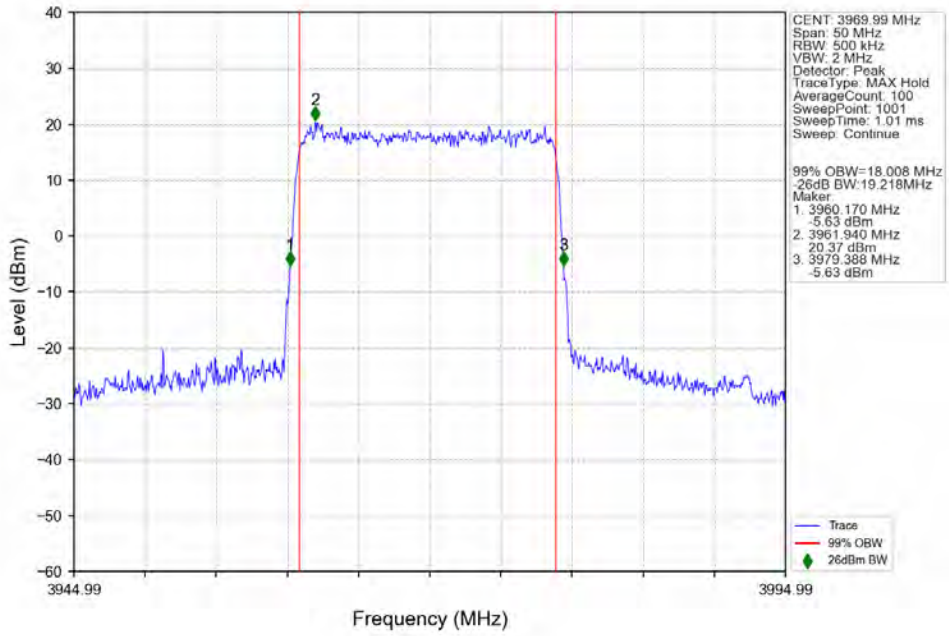
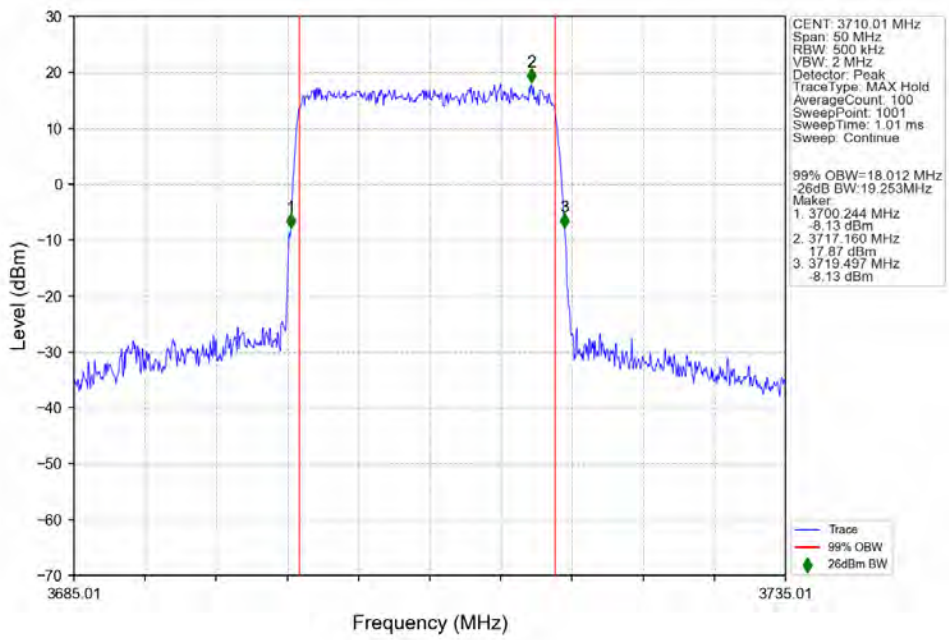
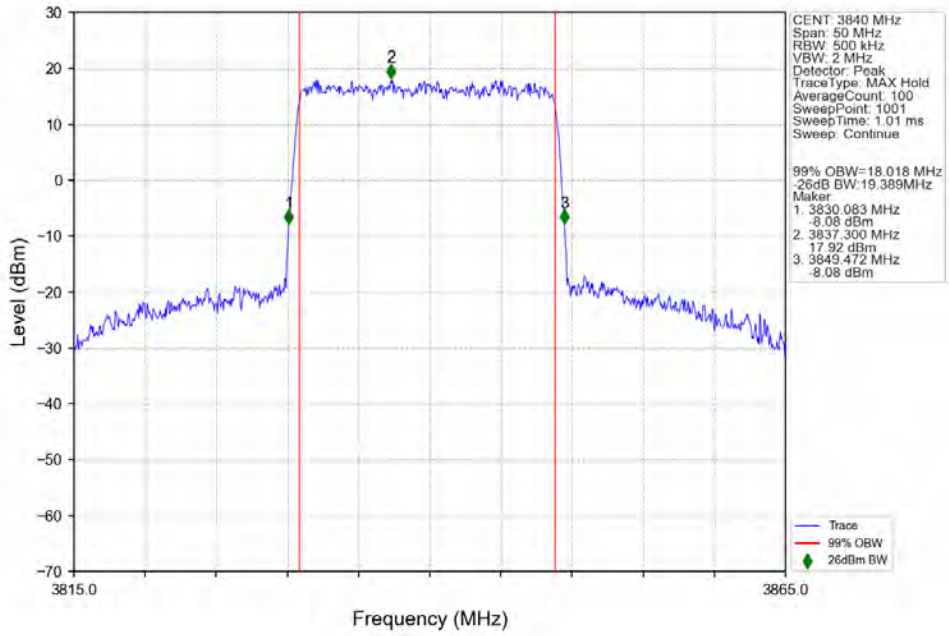


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3710.01MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant1



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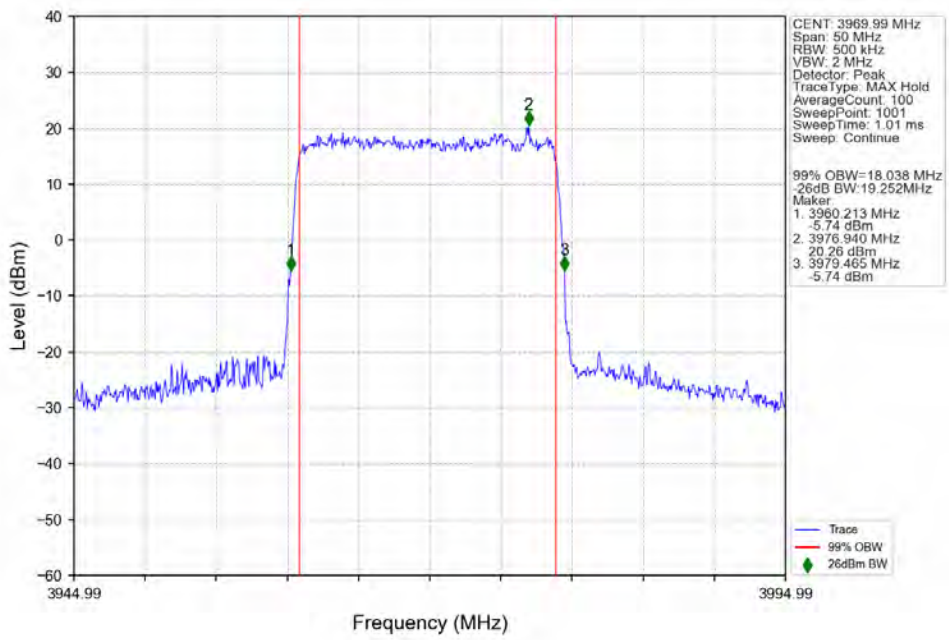
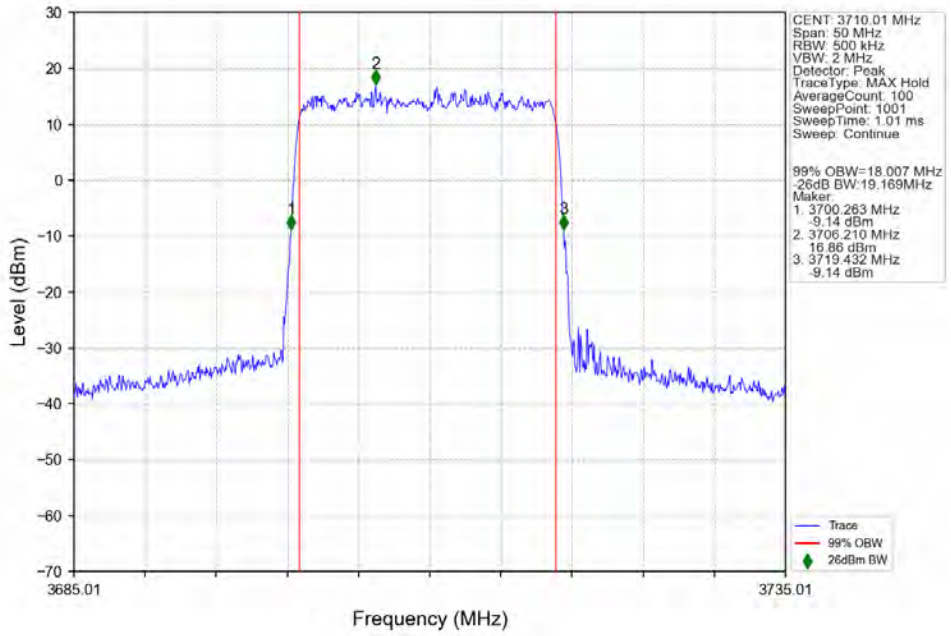


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3710.01MHz_Outer_Full_Ant1



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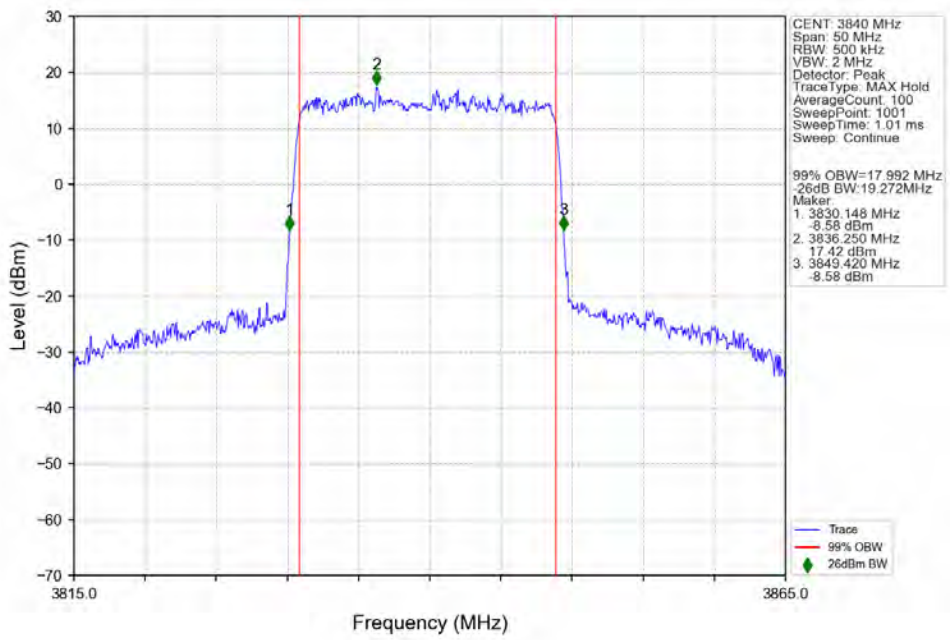

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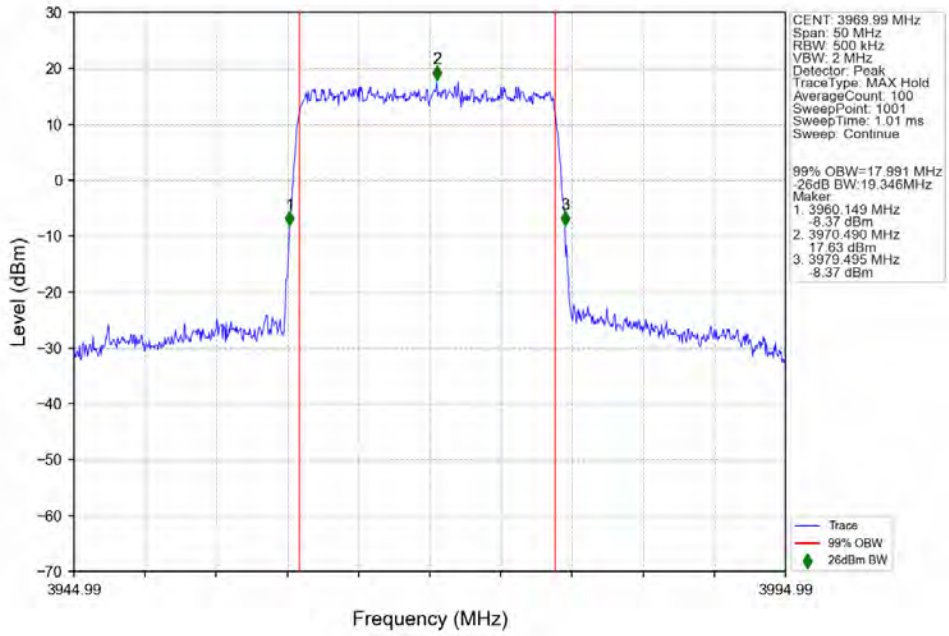

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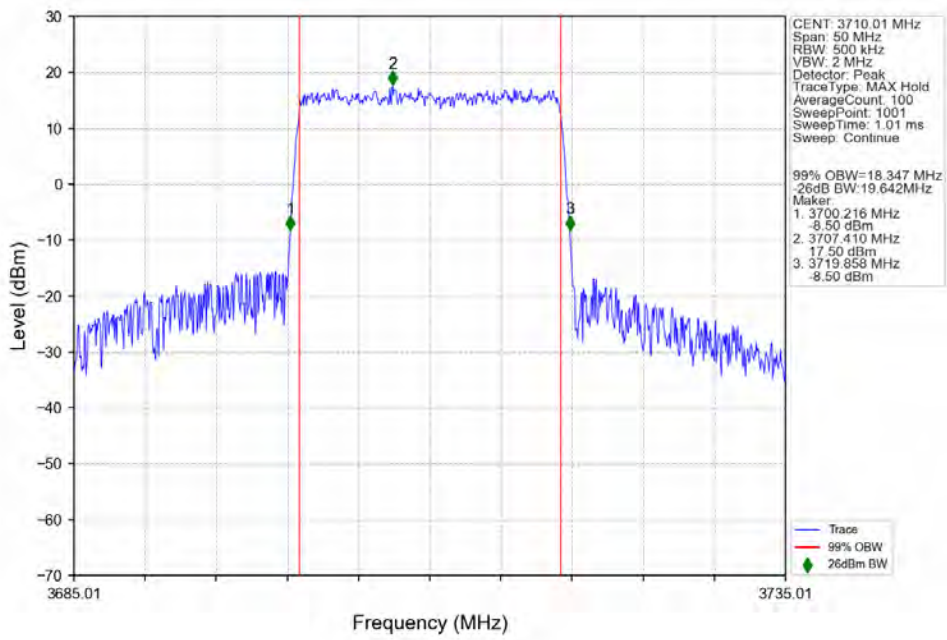

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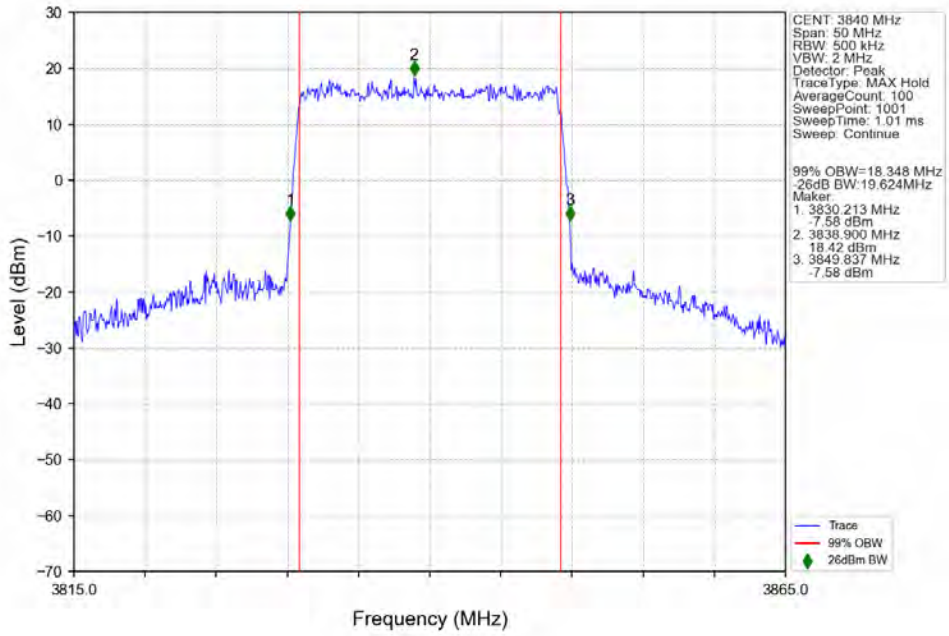

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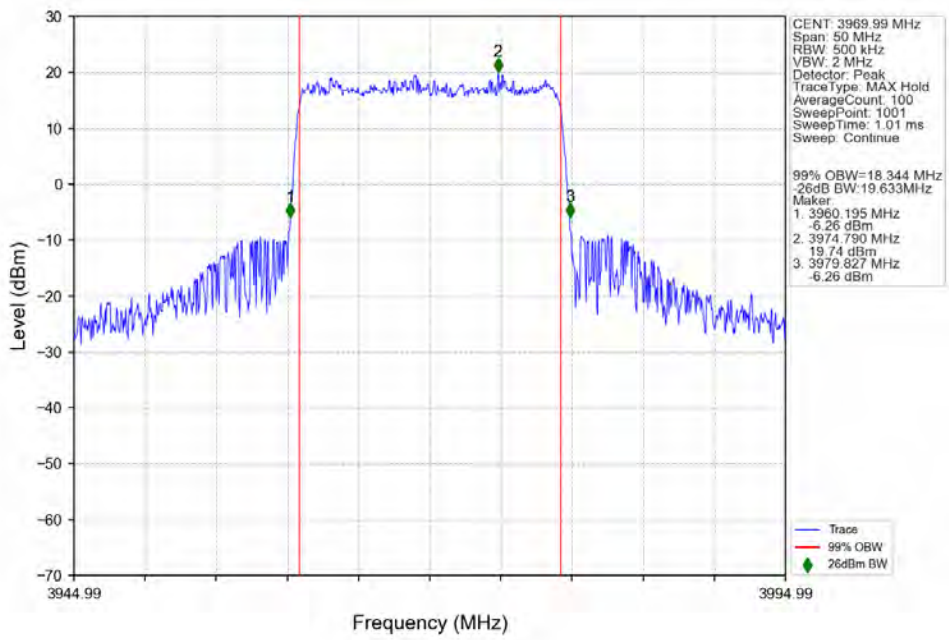

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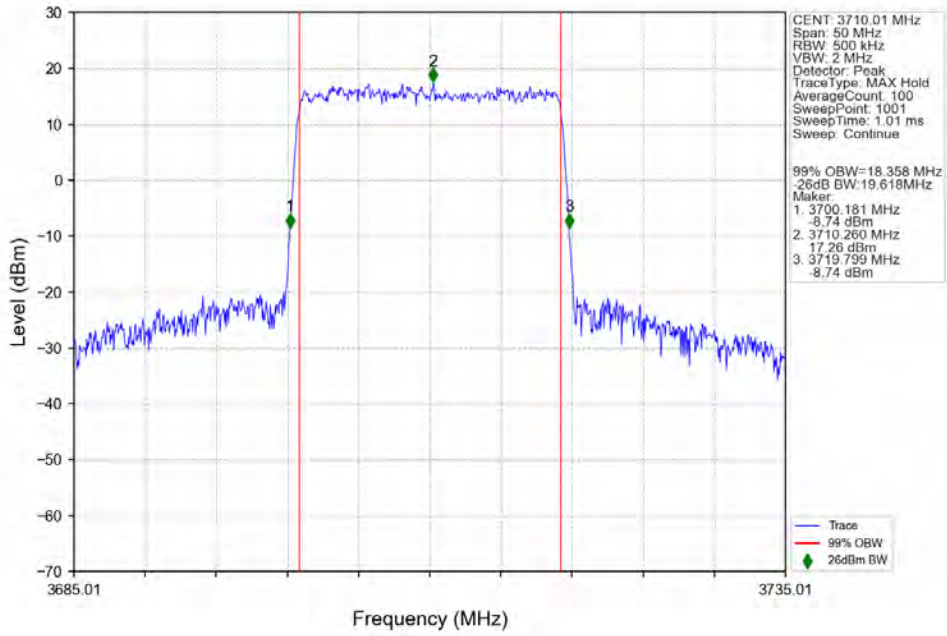
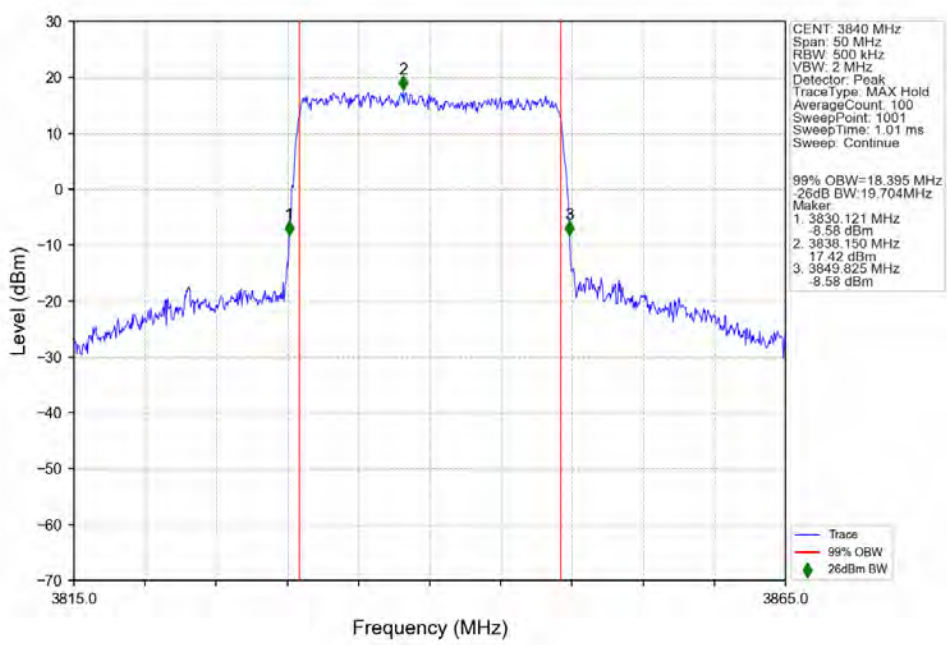
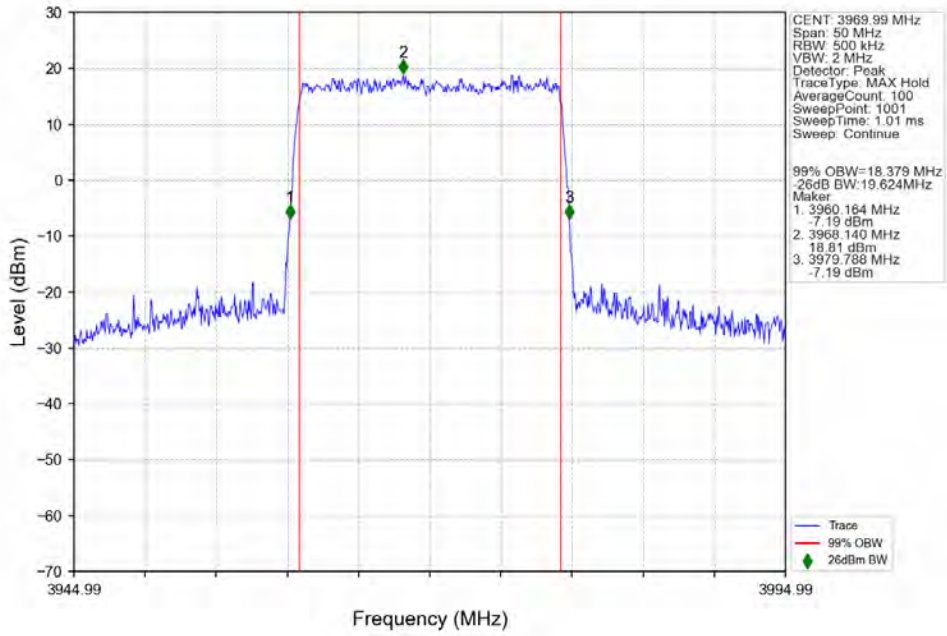


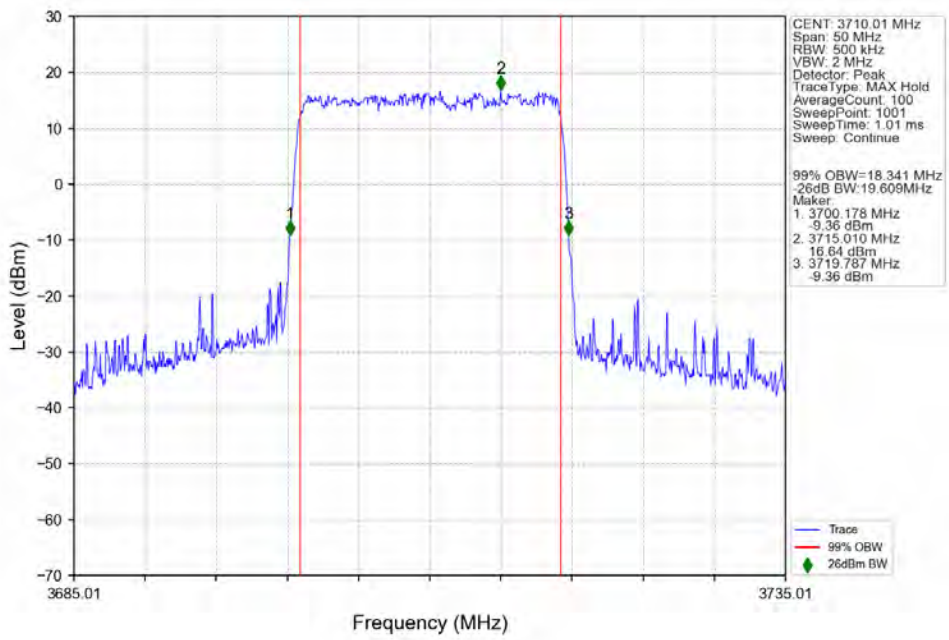
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full_Ant1



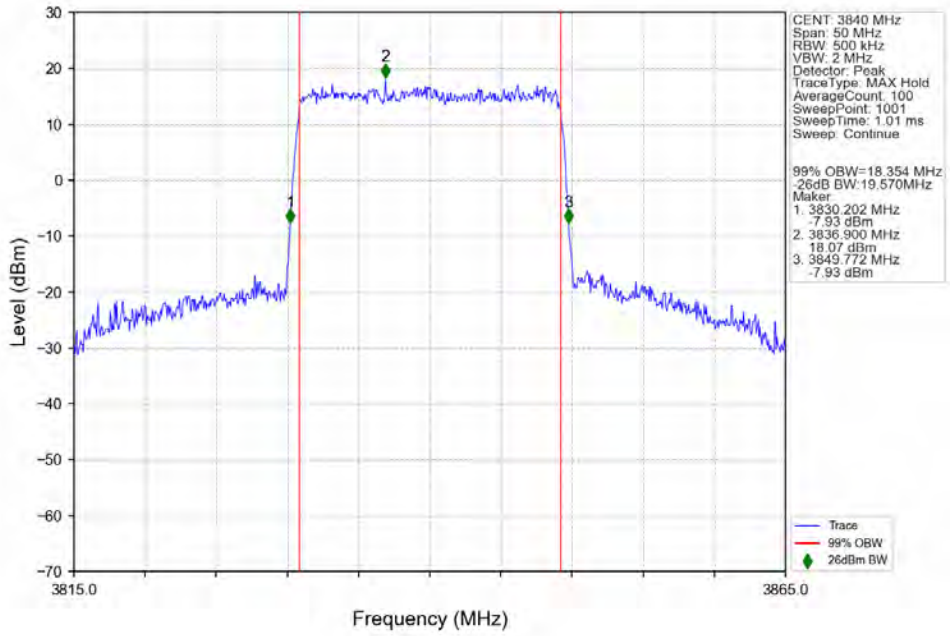
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3969.99MHz_Outer_Full_Ant1



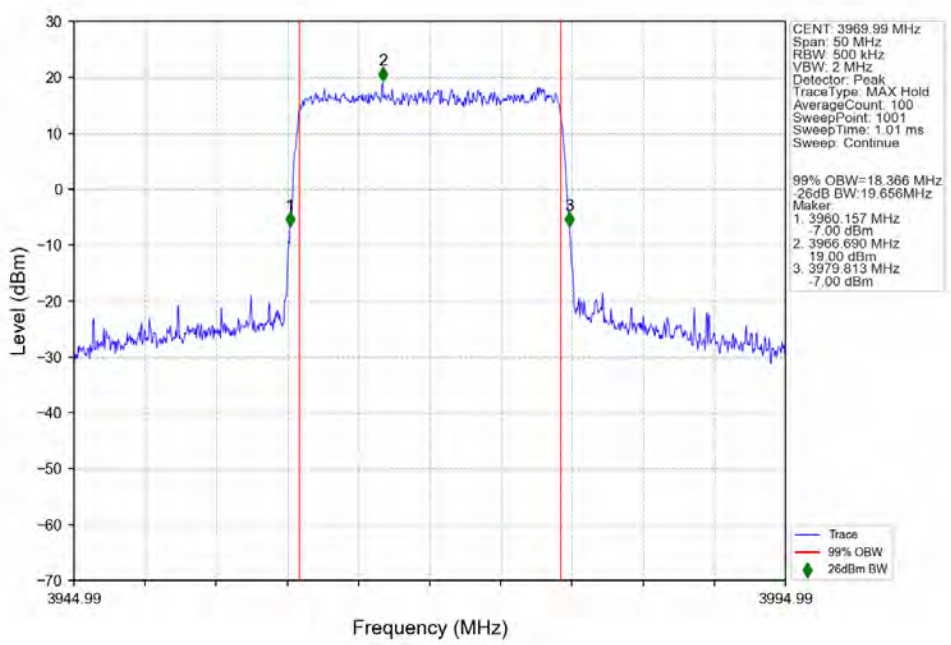
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3710.01MHz_Outer_Full_Ant1



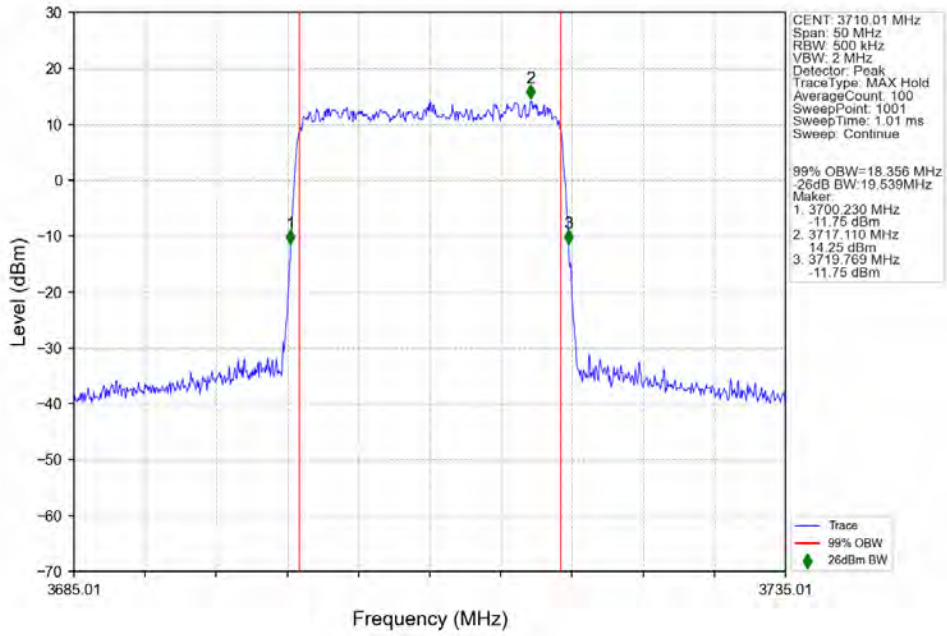
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant1



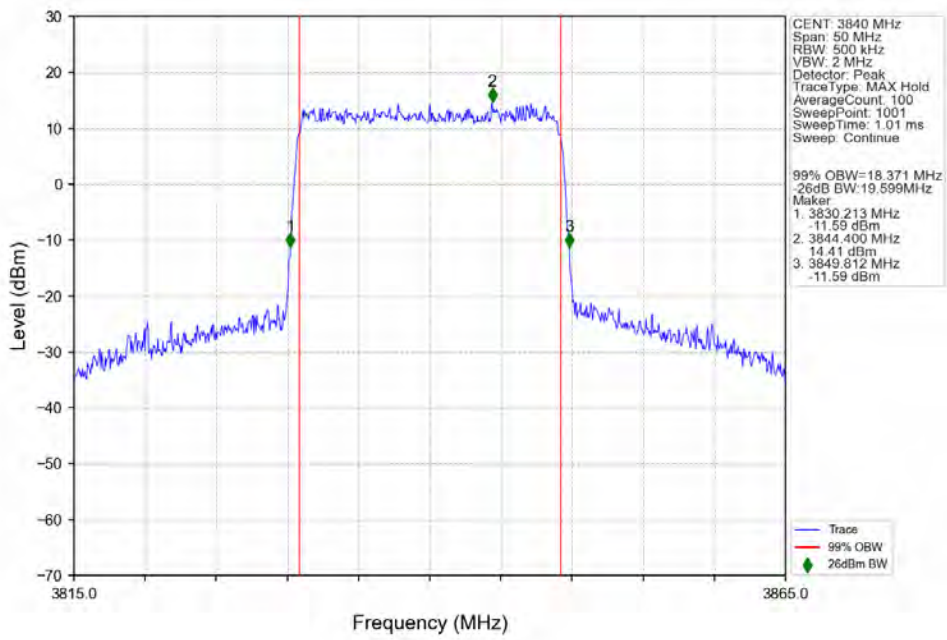
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3969.99MHz_Outer_Full_Ant1



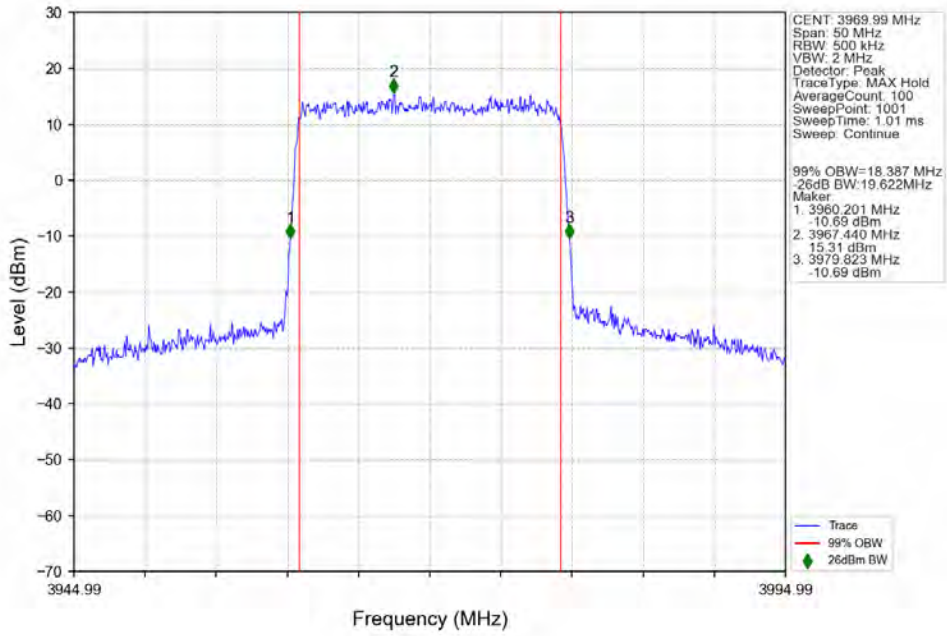
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3710.01MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant1

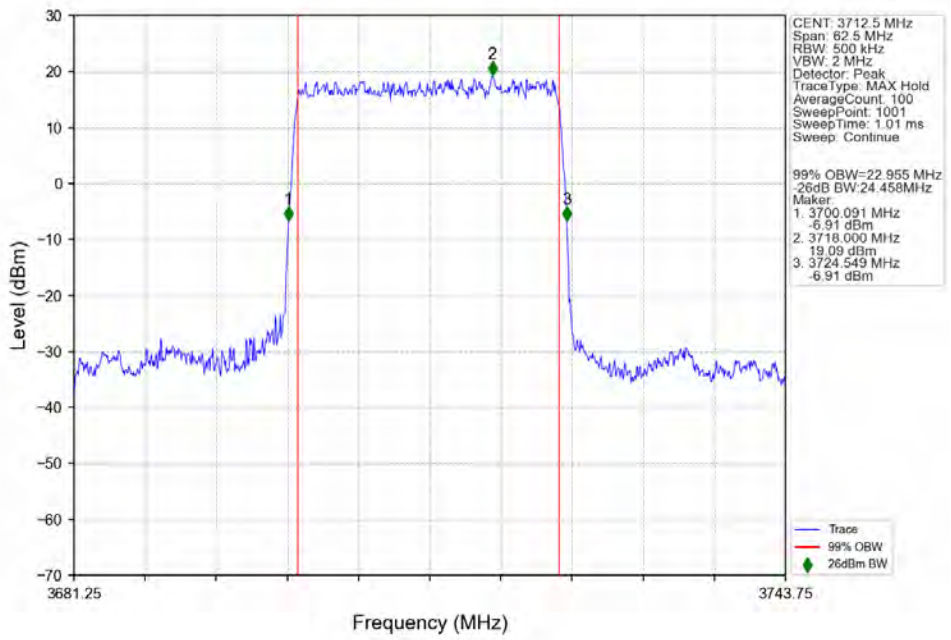
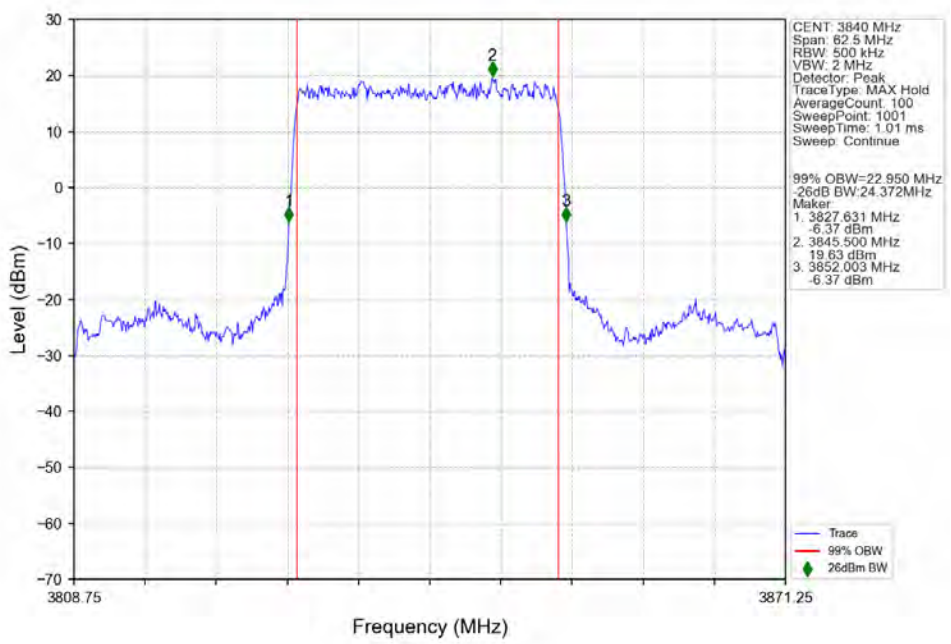


n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3969.99MHz_Outer_Full_Ant1



3.2.4 30k_SISO_25MHz_NTNV

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3712.5MHz_Outer_Full_Ant1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