

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n71 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	665.5	Outer_Full	23.16	/	/	20.51	/	/	<=34.77	Pass
		Inner_Full	23.68	/	/	21.03	/	/	<=34.77	Pass
		Inner_1RB_Left	23.53	/	/	20.88	/	/	<=34.77	Pass
		Inner_1RB_Right	23.80	/	/	21.15	/	/	<=34.77	Pass
	680.5	Outer_Full	23.25	/	/	20.60	/	/	<=34.77	Pass
		Inner_Full	23.80	/	/	21.15	/	/	<=34.77	Pass
		Inner_1RB_Left	23.74	/	/	21.09	/	/	<=34.77	Pass
		Inner_1RB_Right	23.71	/	/	21.06	/	/	<=34.77	Pass
	695.5	Outer_Full	23.11	/	/	20.46	/	/	<=34.77	Pass
		Inner_Full	23.64	/	/	20.99	/	/	<=34.77	Pass
		Inner_1RB_Left	23.59	/	/	20.94	/	/	<=34.77	Pass
		Inner_1RB_Right	23.71	/	/	21.06	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	22.71	/	/	20.06	/	/	<=34.77	Pass
		Inner_Full	23.72	/	/	21.07	/	/	<=34.77	Pass
		Inner_1RB_Left	23.58	/	/	20.93	/	/	<=34.77	Pass
		Inner_1RB_Right	23.77	/	/	21.12	/	/	<=34.77	Pass
	680.5	Outer_Full	22.75	/	/	20.10	/	/	<=34.77	Pass
		Inner_Full	23.80	/	/	21.15	/	/	<=34.77	Pass
		Inner_1RB_Left	23.78	/	/	21.13	/	/	<=34.77	Pass
		Inner_1RB_Right	23.78	/	/	21.13	/	/	<=34.77	Pass
	695.5	Outer_Full	22.69	/	/	20.04	/	/	<=34.77	Pass
		Inner_Full	23.75	/	/	21.10	/	/	<=34.77	Pass
		Inner_1RB_Left	23.58	/	/	20.93	/	/	<=34.77	Pass
		Inner_1RB_Right	23.72	/	/	21.07	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	21.67	/	/	19.02	/	/	<=34.77	Pass
		Inner_Full	22.70	/	/	20.05	/	/	<=34.77	Pass
		Inner_1RB_Left	22.30	/	/	19.65	/	/	<=34.77	Pass
		Inner_1RB_Right	22.51	/	/	19.86	/	/	<=34.77	Pass
	680.5	Outer_Full	21.76	/	/	19.11	/	/	<=34.77	Pass
		Inner_Full	22.86	/	/	20.21	/	/	<=34.77	Pass
		Inner_1RB_Left	22.46	/	/	19.81	/	/	<=34.77	Pass
		Inner_1RB_Right	22.52	/	/	19.87	/	/	<=34.77	Pass
	695.5	Outer_Full	21.64	/	/	18.99	/	/	<=34.77	Pass
		Inner_Full	22.74	/	/	20.09	/	/	<=34.77	Pass
		Inner_1RB_Left	22.32	/	/	19.67	/	/	<=34.77	Pass
		Inner_1RB_Right	22.47	/	/	19.82	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	21.15	/	/	18.50	/	/	<=34.77	Pass
		Inner_Full	21.09	/	/	18.44	/	/	<=34.77	Pass
		Inner_1RB_Left	21.00	/	/	18.35	/	/	<=34.77	Pass
		Inner_1RB_Right	21.09	/	/	18.44	/	/	<=34.77	Pass
	680.5	Outer_Full	21.26	/	/	18.61	/	/	<=34.77	Pass
		Inner_Full	21.17	/	/	18.52	/	/	<=34.77	Pass
		Inner_1RB_Left	21.15	/	/	18.50	/	/	<=34.77	Pass
		Inner_1RB_Right	21.11	/	/	18.46	/	/	<=34.77	Pass
	695.5	Outer_Full	21.12	/	/	18.47	/	/	<=34.77	Pass
		Inner_Full	21.06	/	/	18.41	/	/	<=34.77	Pass
		Inner_1RB_Left	21.00	/	/	18.35	/	/	<=34.77	Pass
		Inner_1RB_Right	21.09	/	/	18.44	/	/	<=34.77	Pass
DFT-s-OFDM 256	665.5	Outer_Full	19.17	/	/	16.52	/	/	<=34.77	Pass

QAM		Inner Full	19.09	/	/	16.44	/	/	<=34.77	Pass
		Inner 1RB Left	19.35	/	/	16.70	/	/	<=34.77	Pass
		Inner 1RB Right	19.57	/	/	16.92	/	/	<=34.77	Pass
	680.5	Outer Full	19.22	/	/	16.57	/	/	<=34.77	Pass
		Inner Full	19.31	/	/	16.66	/	/	<=34.77	Pass
		Inner 1RB Left	19.49	/	/	16.84	/	/	<=34.77	Pass
		Inner 1RB Right	19.59	/	/	16.94	/	/	<=34.77	Pass
	695.5	Outer Full	19.12	/	/	16.47	/	/	<=34.77	Pass
		Inner Full	19.08	/	/	16.43	/	/	<=34.77	Pass
		Inner 1RB Left	19.41	/	/	16.76	/	/	<=34.77	Pass
		Inner 1RB Right	19.38	/	/	16.73	/	/	<=34.77	Pass
CP-OFDM QPSK	665.5	Outer Full	20.68	/	/	18.03	/	/	<=34.77	Pass
		Inner Full	22.15	/	/	19.50	/	/	<=34.77	Pass
		Inner 1RB Left	21.82	/	/	19.17	/	/	<=34.77	Pass
		Inner 1RB Right	22.16	/	/	19.51	/	/	<=34.77	Pass
	680.5	Outer Full	20.74	/	/	18.09	/	/	<=34.77	Pass
		Inner Full	22.39	/	/	19.74	/	/	<=34.77	Pass
		Inner 1RB Left	22.27	/	/	19.62	/	/	<=34.77	Pass
		Inner 1RB Right	22.21	/	/	19.56	/	/	<=34.77	Pass
	695.5	Outer Full	20.61	/	/	17.96	/	/	<=34.77	Pass
		Inner Full	22.22	/	/	19.57	/	/	<=34.77	Pass
		Inner 1RB Left	21.91	/	/	19.26	/	/	<=34.77	Pass
		Inner 1RB Right	22.09	/	/	19.44	/	/	<=34.77	Pass
CP-OFDM 16 QAM	665.5	Outer Full	20.64	/	/	17.99	/	/	<=34.77	Pass
		Inner Full	21.85	/	/	19.20	/	/	<=34.77	Pass
		Inner 1RB Left	21.63	/	/	18.98	/	/	<=34.77	Pass
		Inner 1RB Right	21.76	/	/	19.11	/	/	<=34.77	Pass
	680.5	Outer Full	20.69	/	/	18.04	/	/	<=34.77	Pass
		Inner Full	22.03	/	/	19.38	/	/	<=34.77	Pass
		Inner 1RB Left	21.86	/	/	19.21	/	/	<=34.77	Pass
		Inner 1RB Right	21.69	/	/	19.04	/	/	<=34.77	Pass
	695.5	Outer Full	20.61	/	/	17.96	/	/	<=34.77	Pass
		Inner Full	21.86	/	/	19.21	/	/	<=34.77	Pass
		Inner 1RB Left	21.57	/	/	18.92	/	/	<=34.77	Pass
		Inner 1RB Right	21.74	/	/	19.09	/	/	<=34.77	Pass
CP-OFDM 64 QAM	665.5	Outer Full	20.06	/	/	17.41	/	/	<=34.77	Pass
		Inner Full	20.22	/	/	17.57	/	/	<=34.77	Pass
		Inner 1RB Left	20.02	/	/	17.37	/	/	<=34.77	Pass
		Inner 1RB Right	20.13	/	/	17.48	/	/	<=34.77	Pass
	680.5	Outer Full	20.16	/	/	17.51	/	/	<=34.77	Pass
		Inner Full	20.35	/	/	17.70	/	/	<=34.77	Pass
		Inner 1RB Left	20.18	/	/	17.53	/	/	<=34.77	Pass
		Inner 1RB Right	20.19	/	/	17.54	/	/	<=34.77	Pass
	695.5	Outer Full	20.02	/	/	17.37	/	/	<=34.77	Pass
		Inner Full	20.16	/	/	17.51	/	/	<=34.77	Pass
		Inner 1RB Left	19.99	/	/	17.34	/	/	<=34.77	Pass
		Inner 1RB Right	20.15	/	/	17.50	/	/	<=34.77	Pass
CP-OFDM 256 QAM	665.5	Outer Full	17.27	/	/	14.62	/	/	<=34.77	Pass
		Inner Full	16.99	/	/	14.34	/	/	<=34.77	Pass
		Inner 1RB Left	17.46	/	/	14.81	/	/	<=34.77	Pass
		Inner 1RB Right	17.70	/	/	15.05	/	/	<=34.77	Pass
	680.5	Outer Full	17.31	/	/	14.66	/	/	<=34.77	Pass
		Inner Full	17.23	/	/	14.58	/	/	<=34.77	Pass
		Inner 1RB Left	17.67	/	/	15.02	/	/	<=34.77	Pass
		Inner 1RB Right	17.67	/	/	15.02	/	/	<=34.77	Pass
	695.5	Outer Full	17.20	/	/	14.55	/	/	<=34.77	Pass
		Inner Full	17.06	/	/	14.41	/	/	<=34.77	Pass
		Inner 1RB Left	17.53	/	/	14.88	/	/	<=34.77	Pass
		Inner 1RB Right	17.65	/	/	15.00	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;
 Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n71 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	668	Outer_Full	22.99	/	/	20.34	/	/	<=34.77	Pass
		Inner_Full	23.79	/	/	21.14	/	/	<=34.77	Pass
		Inner_1RB_Left	23.51	/	/	20.86	/	/	<=34.77	Pass
		Inner_1RB_Right	23.88	/	/	21.23	/	/	<=34.77	Pass
	680.5	Outer_Full	23.22	/	/	20.57	/	/	<=34.77	Pass
		Inner_Full	23.81	/	/	21.16	/	/	<=34.77	Pass
		Inner_1RB_Left	23.86	/	/	21.21	/	/	<=34.77	Pass
		Inner_1RB_Right	23.74	/	/	21.09	/	/	<=34.77	Pass
	693	Outer_Full	23.18	/	/	20.53	/	/	<=34.77	Pass
		Inner_Full	23.71	/	/	21.06	/	/	<=34.77	Pass
		Inner_1RB_Left	23.71	/	/	21.06	/	/	<=34.77	Pass
		Inner_1RB_Right	23.74	/	/	21.09	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	668	Outer_Full	22.65	/	/	20.00	/	/	<=34.77	Pass
		Inner_Full	23.77	/	/	21.12	/	/	<=34.77	Pass
		Inner_1RB_Left	23.60	/	/	20.95	/	/	<=34.77	Pass
		Inner_1RB_Right	23.90	/	/	21.25	/	/	<=34.77	Pass
	680.5	Outer_Full	22.74	/	/	20.09	/	/	<=34.77	Pass
		Inner_Full	23.81	/	/	21.16	/	/	<=34.77	Pass
		Inner_1RB_Left	23.82	/	/	21.17	/	/	<=34.77	Pass
		Inner_1RB_Right	23.78	/	/	21.13	/	/	<=34.77	Pass
	693	Outer_Full	22.76	/	/	20.11	/	/	<=34.77	Pass
		Inner_Full	23.73	/	/	21.08	/	/	<=34.77	Pass
		Inner_1RB_Left	23.75	/	/	21.10	/	/	<=34.77	Pass
		Inner_1RB_Right	23.78	/	/	21.13	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	668	Outer_Full	21.59	/	/	18.94	/	/	<=34.77	Pass
		Inner_Full	22.71	/	/	20.06	/	/	<=34.77	Pass
		Inner_1RB_Left	22.33	/	/	19.68	/	/	<=34.77	Pass
		Inner_1RB_Right	22.68	/	/	20.03	/	/	<=34.77	Pass
	680.5	Outer_Full	21.76	/	/	19.11	/	/	<=34.77	Pass
		Inner_Full	22.83	/	/	20.18	/	/	<=34.77	Pass
		Inner_1RB_Left	22.66	/	/	20.01	/	/	<=34.77	Pass
		Inner_1RB_Right	22.57	/	/	19.92	/	/	<=34.77	Pass
	693	Outer_Full	21.70	/	/	19.05	/	/	<=34.77	Pass
		Inner_Full	22.72	/	/	20.07	/	/	<=34.77	Pass
		Inner_1RB_Left	22.49	/	/	19.84	/	/	<=34.77	Pass
		Inner_1RB_Right	22.49	/	/	19.84	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	668	Outer_Full	21.19	/	/	18.54	/	/	<=34.77	Pass
		Inner_Full	21.20	/	/	18.55	/	/	<=34.77	Pass
		Inner_1RB_Left	20.94	/	/	18.29	/	/	<=34.77	Pass
		Inner_1RB_Right	21.25	/	/	18.60	/	/	<=34.77	Pass
	680.5	Outer_Full	21.25	/	/	18.60	/	/	<=34.77	Pass
		Inner_Full	21.28	/	/	18.63	/	/	<=34.77	Pass
		Inner_1RB_Left	21.15	/	/	18.50	/	/	<=34.77	Pass
		Inner_1RB_Right	21.07	/	/	18.42	/	/	<=34.77	Pass
	693	Outer_Full	21.26	/	/	18.61	/	/	<=34.77	Pass
		Inner_Full	21.06	/	/	18.41	/	/	<=34.77	Pass
		Inner_1RB_Left	21.05	/	/	18.40	/	/	<=34.77	Pass
		Inner_1RB_Right	21.02	/	/	18.37	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	668	Outer_Full	18.98	/	/	16.33	/	/	<=34.77	Pass
		Inner_Full	19.18	/	/	16.53	/	/	<=34.77	Pass

		Inner 1RB Left	19.36	/	/	16.71	/	/	<=34.77	Pass
		Inner 1RB Right	19.66	/	/	17.01	/	/	<=34.77	Pass
	680.5	Outer Full	19.20	/	/	16.55	/	/	<=34.77	Pass
		Inner Full	19.31	/	/	16.66	/	/	<=34.77	Pass
		Inner 1RB Left	19.64	/	/	16.99	/	/	<=34.77	Pass
		Inner 1RB Right	19.45	/	/	16.80	/	/	<=34.77	Pass
	693	Outer Full	19.14	/	/	16.49	/	/	<=34.77	Pass
		Inner Full	19.17	/	/	16.52	/	/	<=34.77	Pass
		Inner 1RB Left	19.43	/	/	16.78	/	/	<=34.77	Pass
		Inner 1RB Right	19.45	/	/	16.80	/	/	<=34.77	Pass
CP-OFDM QPSK	668	Outer Full	20.56	/	/	17.91	/	/	<=34.77	Pass
		Inner Full	22.22	/	/	19.57	/	/	<=34.77	Pass
		Inner 1RB Left	21.88	/	/	19.23	/	/	<=34.77	Pass
		Inner 1RB Right	22.20	/	/	19.55	/	/	<=34.77	Pass
	680.5	Outer Full	20.77	/	/	18.12	/	/	<=34.77	Pass
		Inner Full	22.33	/	/	19.68	/	/	<=34.77	Pass
		Inner 1RB Left	22.26	/	/	19.61	/	/	<=34.77	Pass
		Inner 1RB Right	22.22	/	/	19.57	/	/	<=34.77	Pass
	693	Outer Full	20.73	/	/	18.08	/	/	<=34.77	Pass
		Inner Full	22.15	/	/	19.50	/	/	<=34.77	Pass
		Inner 1RB Left	22.15	/	/	19.50	/	/	<=34.77	Pass
		Inner 1RB Right	22.19	/	/	19.54	/	/	<=34.77	Pass
CP-OFDM 16 QAM	668	Outer Full	20.55	/	/	17.90	/	/	<=34.77	Pass
		Inner Full	21.72	/	/	19.07	/	/	<=34.77	Pass
		Inner 1RB Left	21.60	/	/	18.95	/	/	<=34.77	Pass
		Inner 1RB Right	21.94	/	/	19.29	/	/	<=34.77	Pass
	680.5	Outer Full	20.74	/	/	18.09	/	/	<=34.77	Pass
		Inner Full	21.89	/	/	19.24	/	/	<=34.77	Pass
		Inner 1RB Left	21.85	/	/	19.20	/	/	<=34.77	Pass
		Inner 1RB Right	21.73	/	/	19.08	/	/	<=34.77	Pass
	693	Outer Full	20.68	/	/	18.03	/	/	<=34.77	Pass
		Inner Full	21.73	/	/	19.08	/	/	<=34.77	Pass
		Inner 1RB Left	21.82	/	/	19.17	/	/	<=34.77	Pass
		Inner 1RB Right	21.82	/	/	19.17	/	/	<=34.77	Pass
CP-OFDM 64 QAM	668	Outer Full	19.92	/	/	17.27	/	/	<=34.77	Pass
		Inner Full	20.22	/	/	17.57	/	/	<=34.77	Pass
		Inner 1RB Left	20.05	/	/	17.40	/	/	<=34.77	Pass
		Inner 1RB Right	20.39	/	/	17.74	/	/	<=34.77	Pass
	680.5	Outer Full	20.13	/	/	17.48	/	/	<=34.77	Pass
		Inner Full	20.24	/	/	17.59	/	/	<=34.77	Pass
		Inner 1RB Left	20.29	/	/	17.64	/	/	<=34.77	Pass
		Inner 1RB Right	20.43	/	/	17.78	/	/	<=34.77	Pass
	693	Outer Full	20.17	/	/	17.52	/	/	<=34.77	Pass
		Inner Full	20.15	/	/	17.50	/	/	<=34.77	Pass
		Inner 1RB Left	20.18	/	/	17.53	/	/	<=34.77	Pass
		Inner 1RB Right	20.25	/	/	17.60	/	/	<=34.77	Pass
CP-OFDM 256 QAM	668	Outer Full	17.14	/	/	14.49	/	/	<=34.77	Pass
		Inner Full	17.23	/	/	14.58	/	/	<=34.77	Pass
		Inner 1RB Left	17.52	/	/	14.87	/	/	<=34.77	Pass
		Inner 1RB Right	17.83	/	/	15.18	/	/	<=34.77	Pass
	680.5	Outer Full	17.25	/	/	14.60	/	/	<=34.77	Pass
		Inner Full	17.34	/	/	14.69	/	/	<=34.77	Pass
		Inner 1RB Left	17.76	/	/	15.11	/	/	<=34.77	Pass
		Inner 1RB Right	17.67	/	/	15.02	/	/	<=34.77	Pass
	693	Outer Full	17.19	/	/	14.54	/	/	<=34.77	Pass
		Inner Full	17.17	/	/	14.52	/	/	<=34.77	Pass
		Inner 1RB Left	17.67	/	/	15.02	/	/	<=34.77	Pass
		Inner 1RB Right	17.69	/	/	15.04	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 15k_SISO_15MHz_NTNV_ERP

5G NR n71 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	670.5	Outer_Full	23.08	/	/	20.43	/	/	<=34.77	Pass
		Inner_Full	23.87	/	/	21.22	/	/	<=34.77	Pass
		Inner_1RB_Left	23.57	/	/	20.92	/	/	<=34.77	Pass
		Inner_1RB_Right	23.99	/	/	21.34	/	/	<=34.77	Pass
	680.5	Outer_Full	23.27	/	/	20.62	/	/	<=34.77	Pass
		Inner_Full	23.80	/	/	21.15	/	/	<=34.77	Pass
		Inner_1RB_Left	23.84	/	/	21.19	/	/	<=34.77	Pass
		Inner_1RB_Right	23.72	/	/	21.07	/	/	<=34.77	Pass
	690.5	Outer_Full	23.23	/	/	20.58	/	/	<=34.77	Pass
		Inner_Full	23.80	/	/	21.15	/	/	<=34.77	Pass
		Inner_1RB_Left	23.80	/	/	21.15	/	/	<=34.77	Pass
		Inner_1RB_Right	23.75	/	/	21.10	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	670.5	Outer_Full	22.60	/	/	19.95	/	/	<=34.77	Pass
		Inner_Full	23.87	/	/	21.22	/	/	<=34.77	Pass
		Inner_1RB_Left	23.61	/	/	20.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.94	/	/	21.29	/	/	<=34.77	Pass
	680.5	Outer_Full	22.77	/	/	20.12	/	/	<=34.77	Pass
		Inner_Full	23.81	/	/	21.16	/	/	<=34.77	Pass
		Inner_1RB_Left	23.87	/	/	21.22	/	/	<=34.77	Pass
		Inner_1RB_Right	23.78	/	/	21.13	/	/	<=34.77	Pass
	690.5	Outer_Full	22.76	/	/	20.11	/	/	<=34.77	Pass
		Inner_Full	23.85	/	/	21.20	/	/	<=34.77	Pass
		Inner_1RB_Left	23.81	/	/	21.16	/	/	<=34.77	Pass
		Inner_1RB_Right	23.73	/	/	21.08	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	670.5	Outer_Full	21.74	/	/	19.09	/	/	<=34.77	Pass
		Inner_Full	22.86	/	/	20.21	/	/	<=34.77	Pass
		Inner_1RB_Left	22.30	/	/	19.65	/	/	<=34.77	Pass
		Inner_1RB_Right	22.76	/	/	20.11	/	/	<=34.77	Pass
	680.5	Outer_Full	21.74	/	/	19.09	/	/	<=34.77	Pass
		Inner_Full	22.79	/	/	20.14	/	/	<=34.77	Pass
		Inner_1RB_Left	22.66	/	/	20.01	/	/	<=34.77	Pass
		Inner_1RB_Right	22.45	/	/	19.80	/	/	<=34.77	Pass
	690.5	Outer_Full	21.83	/	/	19.18	/	/	<=34.77	Pass
		Inner_Full	22.82	/	/	20.17	/	/	<=34.77	Pass
		Inner_1RB_Left	22.60	/	/	19.95	/	/	<=34.77	Pass
		Inner_1RB_Right	22.55	/	/	19.90	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Outer_Full	21.19	/	/	18.54	/	/	<=34.77	Pass
		Inner_Full	21.31	/	/	18.66	/	/	<=34.77	Pass
		Inner_1RB_Left	20.92	/	/	18.27	/	/	<=34.77	Pass
		Inner_1RB_Right	21.29	/	/	18.64	/	/	<=34.77	Pass
	680.5	Outer_Full	21.31	/	/	18.66	/	/	<=34.77	Pass
		Inner_Full	21.32	/	/	18.67	/	/	<=34.77	Pass
		Inner_1RB_Left	21.15	/	/	18.50	/	/	<=34.77	Pass
		Inner_1RB_Right	21.12	/	/	18.47	/	/	<=34.77	Pass
	690.5	Outer_Full	21.34	/	/	18.69	/	/	<=34.77	Pass
		Inner_Full	21.24	/	/	18.59	/	/	<=34.77	Pass
		Inner_1RB_Left	21.10	/	/	18.45	/	/	<=34.77	Pass
		Inner_1RB_Right	21.08	/	/	18.43	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	670.5	Outer_Full	19.11	/	/	16.46	/	/	<=34.77	Pass
		Inner_Full	19.15	/	/	16.50	/	/	<=34.77	Pass

		Inner 1RB Left	19.39	/	/	16.74	/	/	<=34.77	Pass
		Inner 1RB Right	19.68	/	/	17.03	/	/	<=34.77	Pass
	680.5	Outer Full	19.27	/	/	16.62	/	/	<=34.77	Pass
		Inner Full	19.18	/	/	16.53	/	/	<=34.77	Pass
		Inner 1RB Left	19.63	/	/	16.98	/	/	<=34.77	Pass
		Inner 1RB Right	19.63	/	/	16.98	/	/	<=34.77	Pass
	690.5	Outer Full	19.19	/	/	16.54	/	/	<=34.77	Pass
		Inner Full	19.19	/	/	16.54	/	/	<=34.77	Pass
		Inner 1RB Left	19.48	/	/	16.83	/	/	<=34.77	Pass
		Inner 1RB Right	19.55	/	/	16.90	/	/	<=34.77	Pass
CP-OFDM QPSK	670.5	Outer Full	20.63	/	/	17.98	/	/	<=34.77	Pass
		Inner Full	22.29	/	/	19.64	/	/	<=34.77	Pass
		Inner 1RB Left	21.90	/	/	19.25	/	/	<=34.77	Pass
		Inner 1RB Right	22.40	/	/	19.75	/	/	<=34.77	Pass
	680.5	Outer Full	20.70	/	/	18.05	/	/	<=34.77	Pass
		Inner Full	22.40	/	/	19.75	/	/	<=34.77	Pass
		Inner 1RB Left	22.22	/	/	19.57	/	/	<=34.77	Pass
		Inner 1RB Right	22.22	/	/	19.57	/	/	<=34.77	Pass
	690.5	Outer Full	20.77	/	/	18.12	/	/	<=34.77	Pass
		Inner Full	22.23	/	/	19.58	/	/	<=34.77	Pass
		Inner 1RB Left	22.13	/	/	19.48	/	/	<=34.77	Pass
		Inner 1RB Right	22.20	/	/	19.55	/	/	<=34.77	Pass
CP-OFDM 16 QAM	670.5	Outer Full	20.69	/	/	18.04	/	/	<=34.77	Pass
		Inner Full	21.85	/	/	19.20	/	/	<=34.77	Pass
		Inner 1RB Left	21.62	/	/	18.97	/	/	<=34.77	Pass
		Inner 1RB Right	22.04	/	/	19.39	/	/	<=34.77	Pass
	680.5	Outer Full	20.73	/	/	18.08	/	/	<=34.77	Pass
		Inner Full	21.86	/	/	19.21	/	/	<=34.77	Pass
		Inner 1RB Left	21.96	/	/	19.31	/	/	<=34.77	Pass
		Inner 1RB Right	21.83	/	/	19.18	/	/	<=34.77	Pass
	690.5	Outer Full	20.78	/	/	18.13	/	/	<=34.77	Pass
		Inner Full	21.81	/	/	19.16	/	/	<=34.77	Pass
		Inner 1RB Left	21.81	/	/	19.16	/	/	<=34.77	Pass
		Inner 1RB Right	21.82	/	/	19.17	/	/	<=34.77	Pass
CP-OFDM 64 QAM	670.5	Outer Full	20.15	/	/	17.50	/	/	<=34.77	Pass
		Inner Full	20.30	/	/	17.65	/	/	<=34.77	Pass
		Inner 1RB Left	19.92	/	/	17.27	/	/	<=34.77	Pass
		Inner 1RB Right	20.39	/	/	17.74	/	/	<=34.77	Pass
	680.5	Outer Full	20.24	/	/	17.59	/	/	<=34.77	Pass
		Inner Full	20.31	/	/	17.66	/	/	<=34.77	Pass
		Inner 1RB Left	20.30	/	/	17.65	/	/	<=34.77	Pass
		Inner 1RB Right	20.24	/	/	17.59	/	/	<=34.77	Pass
	690.5	Outer Full	20.20	/	/	17.55	/	/	<=34.77	Pass
		Inner Full	20.24	/	/	17.59	/	/	<=34.77	Pass
		Inner 1RB Left	20.23	/	/	17.58	/	/	<=34.77	Pass
		Inner 1RB Right	20.28	/	/	17.63	/	/	<=34.77	Pass
CP-OFDM 256 QAM	670.5	Outer Full	17.15	/	/	14.50	/	/	<=34.77	Pass
		Inner Full	17.19	/	/	14.54	/	/	<=34.77	Pass
		Inner 1RB Left	17.46	/	/	14.81	/	/	<=34.77	Pass
		Inner 1RB Right	17.87	/	/	15.22	/	/	<=34.77	Pass
	680.5	Outer Full	17.27	/	/	14.62	/	/	<=34.77	Pass
		Inner Full	17.30	/	/	14.65	/	/	<=34.77	Pass
		Inner 1RB Left	17.75	/	/	15.10	/	/	<=34.77	Pass
		Inner 1RB Right	17.74	/	/	15.09	/	/	<=34.77	Pass
	690.5	Outer Full	17.26	/	/	14.61	/	/	<=34.77	Pass
		Inner Full	17.21	/	/	14.56	/	/	<=34.77	Pass
		Inner 1RB Left	17.65	/	/	15.00	/	/	<=34.77	Pass
		Inner 1RB Right	17.63	/	/	14.98	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 15k_SISO_20MHz_NTNV_ERP

5G NR n71 SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	23.25	/	/	20.60	/	/	<=34.77	Pass
		Inner_Full	23.92	/	/	21.27	/	/	<=34.77	Pass
		Inner_1RB_Left	23.56	/	/	20.91	/	/	<=34.77	Pass
		Inner_1RB_Right	23.90	/	/	21.25	/	/	<=34.77	Pass
	680.5	Outer_Full	23.24	/	/	20.59	/	/	<=34.77	Pass
		Inner_Full	23.89	/	/	21.24	/	/	<=34.77	Pass
		Inner_1RB_Left	23.78	/	/	21.13	/	/	<=34.77	Pass
		Inner_1RB_Right	23.77	/	/	21.12	/	/	<=34.77	Pass
	688	Outer_Full	23.19	/	/	20.54	/	/	<=34.77	Pass
		Inner_Full	23.84	/	/	21.19	/	/	<=34.77	Pass
		Inner_1RB_Left	23.84	/	/	21.19	/	/	<=34.77	Pass
		Inner_1RB_Right	23.77	/	/	21.12	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	673	Outer_Full	22.85	/	/	20.20	/	/	<=34.77	Pass
		Inner_Full	24.01	/	/	21.36	/	/	<=34.77	Pass
		Inner_1RB_Left	23.61	/	/	20.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.94	/	/	21.29	/	/	<=34.77	Pass
	680.5	Outer_Full	22.76	/	/	20.11	/	/	<=34.77	Pass
		Inner_Full	23.85	/	/	21.20	/	/	<=34.77	Pass
		Inner_1RB_Left	23.91	/	/	21.26	/	/	<=34.77	Pass
		Inner_1RB_Right	23.77	/	/	21.12	/	/	<=34.77	Pass
	688	Outer_Full	22.75	/	/	20.10	/	/	<=34.77	Pass
		Inner_Full	23.93	/	/	21.28	/	/	<=34.77	Pass
		Inner_1RB_Left	23.83	/	/	21.18	/	/	<=34.77	Pass
		Inner_1RB_Right	23.85	/	/	21.20	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	21.85	/	/	19.20	/	/	<=34.77	Pass
		Inner_Full	22.92	/	/	20.27	/	/	<=34.77	Pass
		Inner_1RB_Left	22.52	/	/	19.87	/	/	<=34.77	Pass
		Inner_1RB_Right	22.69	/	/	20.04	/	/	<=34.77	Pass
	680.5	Outer_Full	21.83	/	/	19.18	/	/	<=34.77	Pass
		Inner_Full	22.85	/	/	20.20	/	/	<=34.77	Pass
		Inner_1RB_Left	22.60	/	/	19.95	/	/	<=34.77	Pass
		Inner_1RB_Right	22.48	/	/	19.83	/	/	<=34.77	Pass
	688	Outer_Full	21.76	/	/	19.11	/	/	<=34.77	Pass
		Inner_Full	22.91	/	/	20.26	/	/	<=34.77	Pass
		Inner_1RB_Left	22.66	/	/	20.01	/	/	<=34.77	Pass
		Inner_1RB_Right	22.63	/	/	19.98	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	21.37	/	/	18.72	/	/	<=34.77	Pass
		Inner_Full	21.42	/	/	18.77	/	/	<=34.77	Pass
		Inner_1RB_Left	20.92	/	/	18.27	/	/	<=34.77	Pass
		Inner_1RB_Right	21.29	/	/	18.64	/	/	<=34.77	Pass
	680.5	Outer_Full	21.26	/	/	18.61	/	/	<=34.77	Pass
		Inner_Full	21.37	/	/	18.72	/	/	<=34.77	Pass
		Inner_1RB_Left	21.28	/	/	18.63	/	/	<=34.77	Pass
		Inner_1RB_Right	21.11	/	/	18.46	/	/	<=34.77	Pass
	688	Outer_Full	21.25	/	/	18.60	/	/	<=34.77	Pass
		Inner_Full	21.39	/	/	18.74	/	/	<=34.77	Pass
		Inner_1RB_Left	21.27	/	/	18.62	/	/	<=34.77	Pass
		Inner_1RB_Right	21.13	/	/	18.48	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	19.27	/	/	16.62	/	/	<=34.77	Pass
		Inner_Full	19.35	/	/	16.70	/	/	<=34.77	Pass

		Inner 1RB Left	19.41	/	/	16.76	/	/	<=34.77	Pass
		Inner 1RB Right	19.74	/	/	17.09	/	/	<=34.77	Pass
	680.5	Outer Full	19.24	/	/	16.59	/	/	<=34.77	Pass
		Inner Full	19.26	/	/	16.61	/	/	<=34.77	Pass
		Inner 1RB Left	19.60	/	/	16.95	/	/	<=34.77	Pass
		Inner 1RB Right	19.49	/	/	16.84	/	/	<=34.77	Pass
	688	Outer Full	19.20	/	/	16.55	/	/	<=34.77	Pass
		Inner Full	19.18	/	/	16.53	/	/	<=34.77	Pass
		Inner 1RB Left	19.72	/	/	17.07	/	/	<=34.77	Pass
		Inner 1RB Right	19.56	/	/	16.91	/	/	<=34.77	Pass
CP-OFDM QPSK	673	Outer Full	20.88	/	/	18.23	/	/	<=34.77	Pass
		Inner Full	22.39	/	/	19.74	/	/	<=34.77	Pass
		Inner 1RB Left	21.88	/	/	19.23	/	/	<=34.77	Pass
		Inner 1RB Right	22.29	/	/	19.64	/	/	<=34.77	Pass
	680.5	Outer Full	20.76	/	/	18.11	/	/	<=34.77	Pass
		Inner Full	22.28	/	/	19.63	/	/	<=34.77	Pass
		Inner 1RB Left	22.18	/	/	19.53	/	/	<=34.77	Pass
		Inner 1RB Right	22.19	/	/	19.54	/	/	<=34.77	Pass
	688	Outer Full	20.76	/	/	18.11	/	/	<=34.77	Pass
		Inner Full	22.29	/	/	19.64	/	/	<=34.77	Pass
		Inner 1RB Left	22.28	/	/	19.63	/	/	<=34.77	Pass
		Inner 1RB Right	22.22	/	/	19.57	/	/	<=34.77	Pass
CP-OFDM 16 QAM	673	Outer Full	20.86	/	/	18.21	/	/	<=34.77	Pass
		Inner Full	21.90	/	/	19.25	/	/	<=34.77	Pass
		Inner 1RB Left	21.62	/	/	18.97	/	/	<=34.77	Pass
		Inner 1RB Right	21.98	/	/	19.33	/	/	<=34.77	Pass
	680.5	Outer Full	20.82	/	/	18.17	/	/	<=34.77	Pass
		Inner Full	21.81	/	/	19.16	/	/	<=34.77	Pass
		Inner 1RB Left	21.81	/	/	19.16	/	/	<=34.77	Pass
		Inner 1RB Right	21.80	/	/	19.15	/	/	<=34.77	Pass
	688	Outer Full	20.71	/	/	18.06	/	/	<=34.77	Pass
		Inner Full	21.79	/	/	19.14	/	/	<=34.77	Pass
		Inner 1RB Left	21.83	/	/	19.18	/	/	<=34.77	Pass
		Inner 1RB Right	21.84	/	/	19.19	/	/	<=34.77	Pass
CP-OFDM 64 QAM	673	Outer Full	20.30	/	/	17.65	/	/	<=34.77	Pass
		Inner Full	20.36	/	/	17.71	/	/	<=34.77	Pass
		Inner 1RB Left	20.04	/	/	17.39	/	/	<=34.77	Pass
		Inner 1RB Right	20.28	/	/	17.63	/	/	<=34.77	Pass
	680.5	Outer Full	20.26	/	/	17.61	/	/	<=34.77	Pass
		Inner Full	20.22	/	/	17.57	/	/	<=34.77	Pass
		Inner 1RB Left	20.43	/	/	17.78	/	/	<=34.77	Pass
		Inner 1RB Right	20.25	/	/	17.60	/	/	<=34.77	Pass
	688	Outer Full	20.18	/	/	17.53	/	/	<=34.77	Pass
		Inner Full	20.28	/	/	17.63	/	/	<=34.77	Pass
		Inner 1RB Left	20.32	/	/	17.67	/	/	<=34.77	Pass
		Inner 1RB Right	20.38	/	/	17.73	/	/	<=34.77	Pass
CP-OFDM 256 QAM	673	Outer Full	17.28	/	/	14.63	/	/	<=34.77	Pass
		Inner Full	17.39	/	/	14.74	/	/	<=34.77	Pass
		Inner 1RB Left	17.43	/	/	14.78	/	/	<=34.77	Pass
		Inner 1RB Right	17.77	/	/	15.12	/	/	<=34.77	Pass
	680.5	Outer Full	17.30	/	/	14.65	/	/	<=34.77	Pass
		Inner Full	17.31	/	/	14.66	/	/	<=34.77	Pass
		Inner 1RB Left	17.73	/	/	15.08	/	/	<=34.77	Pass
		Inner 1RB Right	17.69	/	/	15.04	/	/	<=34.77	Pass
	688	Outer Full	17.20	/	/	14.55	/	/	<=34.77	Pass
		Inner Full	17.28	/	/	14.63	/	/	<=34.77	Pass
		Inner 1RB Left	17.62	/	/	14.97	/	/	<=34.77	Pass
		Inner 1RB Right	17.71	/	/	15.06	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15
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1.1.5 15k_MIMO_5MHz_NTNV_ERP

5G NR n71 SCS=15kHz MIMO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	665.5	Outer_Full	19.97	19.97	22.98	17.32	17.32	20.33	<=34.77	Pass
		Inner_Full	20.54	20.53	23.55	17.89	17.88	20.90	<=34.77	Pass
		Inner_1RB_Left	20.49	20.45	23.48	17.84	17.80	20.83	<=34.77	Pass
		Inner_1RB_Right	20.49	20.52	23.51	17.84	17.87	20.87	<=34.77	Pass
	680.5	Outer_Full	19.73	19.86	22.80	17.08	17.21	20.16	<=34.77	Pass
		Inner_Full	20.27	20.41	23.35	17.62	17.76	20.70	<=34.77	Pass
		Inner_1RB_Left	20.19	20.35	23.28	17.54	17.70	20.63	<=34.77	Pass
		Inner_1RB_Right	20.30	20.41	23.36	17.65	17.76	20.72	<=34.77	Pass
	695.5	Outer_Full	19.92	19.83	22.88	17.27	17.18	20.24	<=34.77	Pass
		Inner_Full	20.56	20.46	23.52	17.91	17.81	20.87	<=34.77	Pass
		Inner_1RB_Left	20.42	20.32	23.38	17.77	17.67	20.73	<=34.77	Pass
		Inner_1RB_Right	20.48	20.41	23.45	17.83	17.76	20.81	<=34.77	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	19.46	19.47	22.47	16.81	16.82	19.83	<=34.77	Pass
		Inner_Full	20.47	20.47	23.48	17.82	17.82	20.83	<=34.77	Pass
		Inner_1RB_Left	20.36	20.33	23.36	17.71	17.68	20.71	<=34.77	Pass
		Inner_1RB_Right	20.40	20.44	23.43	17.75	17.79	20.78	<=34.77	Pass
	680.5	Outer_Full	19.24	19.38	22.32	16.59	16.73	19.67	<=34.77	Pass
		Inner_Full	20.32	20.45	23.40	17.67	17.80	20.75	<=34.77	Pass
		Inner_1RB_Left	20.16	20.31	23.25	17.51	17.66	20.60	<=34.77	Pass
		Inner_1RB_Right	20.24	20.35	23.30	17.59	17.70	20.66	<=34.77	Pass
	695.5	Outer_Full	19.45	19.36	22.42	16.80	16.71	19.77	<=34.77	Pass
		Inner_Full	20.52	20.42	23.48	17.87	17.77	20.83	<=34.77	Pass
		Inner_1RB_Left	20.39	20.29	23.35	17.74	17.64	20.70	<=34.77	Pass
		Inner_1RB_Right	20.47	20.40	23.45	17.82	17.75	20.80	<=34.77	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	18.57	18.58	21.59	15.92	15.93	18.94	<=34.77	Pass
		Inner_Full	19.61	19.61	22.62	16.96	16.96	19.97	<=34.77	Pass
		Inner_1RB_Left	19.47	19.44	22.46	16.82	16.79	19.82	<=34.77	Pass
		Inner_1RB_Right	19.52	19.56	22.55	16.87	16.91	19.90	<=34.77	Pass
	680.5	Outer_Full	18.34	18.48	21.42	15.69	15.83	18.77	<=34.77	Pass
		Inner_Full	19.34	19.48	22.42	16.69	16.83	19.77	<=34.77	Pass
		Inner_1RB_Left	19.22	19.37	22.30	16.57	16.72	19.66	<=34.77	Pass
		Inner_1RB_Right	19.30	19.41	22.37	16.65	16.76	19.72	<=34.77	Pass
	695.5	Outer_Full	18.53	18.44	21.50	15.88	15.79	18.85	<=34.77	Pass
		Inner_Full	19.48	19.38	22.44	16.83	16.73	19.79	<=34.77	Pass
		Inner_1RB_Left	19.45	19.34	22.41	16.80	16.69	19.76	<=34.77	Pass
		Inner_1RB_Right	19.58	19.51	22.56	16.93	16.86	19.91	<=34.77	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	18.01	18.01	21.02	15.36	15.36	18.37	<=34.77	Pass
		Inner_Full	18.07	18.07	21.08	15.42	15.42	18.43	<=34.77	Pass
		Inner_1RB_Left	18.01	17.98	21.01	15.36	15.33	18.36	<=34.77	Pass
		Inner_1RB_Right	18.13	18.17	21.16	15.48	15.52	18.51	<=34.77	Pass
	680.5	Outer_Full	17.81	17.94	20.88	15.16	15.29	18.24	<=34.77	Pass
		Inner_Full	17.85	17.99	20.93	15.20	15.34	18.28	<=34.77	Pass
		Inner_1RB_Left	16.00	16.15	19.08	13.35	13.50	16.44	<=34.77	Pass
		Inner_1RB_Right	17.76	17.87	20.83	15.11	15.22	18.18	<=34.77	Pass
	695.5	Outer_Full	18.07	17.97	21.03	15.42	15.32	18.38	<=34.77	Pass
		Inner_Full	18.14	18.04	21.10	15.49	15.39	18.45	<=34.77	Pass
		Inner_1RB_Left	18.06	17.95	21.02	15.41	15.30	18.37	<=34.77	Pass
		Inner_1RB_Right	18.07	18.00	21.05	15.42	15.35	18.40	<=34.77	Pass
DFT-s-OFDM 256 QAM	665.5	Outer_Full	16.08	16.09	19.09	13.43	13.44	16.45	<=34.77	Pass
		Inner_Full	16.05	16.06	19.07	13.40	13.41	16.42	<=34.77	Pass

		Inner 1RB Left	16.30	16.27	19.30	13.65	13.62	16.65	<=34.77	Pass
		Inner 1RB Right	16.24	16.28	19.27	13.59	13.63	16.62	<=34.77	Pass
	680.5	Outer Full	15.84	15.97	18.92	13.19	13.32	16.27	<=34.77	Pass
		Inner Full	15.69	15.83	18.77	13.04	13.18	16.12	<=34.77	Pass
		Inner 1RB Left	15.88	16.04	18.97	13.23	13.39	16.32	<=34.77	Pass
		Inner 1RB Right	15.96	16.07	19.02	13.31	13.42	16.38	<=34.77	Pass
	695.5	Outer Full	16.15	16.06	19.12	13.50	13.41	16.47	<=34.77	Pass
		Inner Full	16.06	15.97	19.03	13.41	13.32	16.38	<=34.77	Pass
		Inner 1RB Left	16.25	16.15	19.21	13.60	13.50	16.56	<=34.77	Pass
		Inner 1RB Right	16.29	16.22	19.26	13.64	13.57	16.62	<=34.77	Pass
CP-OFDM QPSK	665.5	Outer Full	17.56	17.57	20.57	14.91	14.92	17.93	<=34.77	Pass
		Inner Full	19.00	19.00	22.01	16.35	16.35	19.36	<=34.77	Pass
		Inner 1RB Left	18.99	18.96	21.99	16.34	16.31	19.34	<=34.77	Pass
		Inner 1RB Right	19.01	19.05	22.04	16.36	16.40	19.39	<=34.77	Pass
	680.5	Outer Full	17.22	17.35	20.30	14.57	14.70	17.65	<=34.77	Pass
		Inner Full	18.72	18.85	21.80	16.07	16.20	19.15	<=34.77	Pass
		Inner 1RB Left	18.66	18.81	21.75	16.01	16.16	19.10	<=34.77	Pass
		Inner 1RB Right	18.67	18.77	21.73	16.02	16.12	19.08	<=34.77	Pass
	695.5	Outer Full	17.60	17.51	20.57	14.95	14.86	17.92	<=34.77	Pass
		Inner Full	19.05	18.96	22.02	16.40	16.31	19.37	<=34.77	Pass
		Inner 1RB Left	18.96	18.86	21.92	16.31	16.21	19.27	<=34.77	Pass
		Inner 1RB Right	19.00	18.92	21.97	16.35	16.27	19.32	<=34.77	Pass
CP-OFDM 16 QAM	665.5	Outer Full	17.58	17.58	20.59	14.93	14.93	17.94	<=34.77	Pass
		Inner Full	18.68	18.68	21.69	16.03	16.03	19.04	<=34.77	Pass
		Inner 1RB Left	18.60	18.57	21.59	15.95	15.92	18.95	<=34.77	Pass
		Inner 1RB Right	18.59	18.63	21.62	15.94	15.98	18.97	<=34.77	Pass
	680.5	Outer Full	17.26	17.39	20.34	14.61	14.74	17.69	<=34.77	Pass
		Inner Full	18.49	18.63	21.57	15.84	15.98	18.92	<=34.77	Pass
		Inner 1RB Left	18.18	18.33	21.27	15.53	15.68	18.62	<=34.77	Pass
		Inner 1RB Right	18.24	18.35	21.30	15.59	15.70	18.66	<=34.77	Pass
	695.5	Outer Full	17.59	17.50	20.55	14.94	14.85	17.91	<=34.77	Pass
		Inner Full	18.60	18.51	21.56	15.95	15.86	18.92	<=34.77	Pass
		Inner 1RB Left	18.54	18.44	21.50	15.89	15.79	18.85	<=34.77	Pass
		Inner 1RB Right	18.57	18.50	21.54	15.92	15.85	18.90	<=34.77	Pass
CP-OFDM 64 QAM	665.5	Outer Full	17.00	17.00	20.01	14.35	14.35	17.36	<=34.77	Pass
		Inner Full	16.98	16.99	19.99	14.33	14.34	17.35	<=34.77	Pass
		Inner 1RB Left	17.16	17.13	20.16	14.51	14.48	17.51	<=34.77	Pass
		Inner 1RB Right	17.16	17.20	20.19	14.51	14.55	17.54	<=34.77	Pass
	680.5	Outer Full	16.67	16.81	19.75	14.02	14.16	17.10	<=34.77	Pass
		Inner Full	16.66	16.80	19.74	14.01	14.15	17.09	<=34.77	Pass
		Inner 1RB Left	16.61	16.76	19.70	13.96	14.11	17.05	<=34.77	Pass
		Inner 1RB Right	16.64	16.75	19.71	13.99	14.10	17.06	<=34.77	Pass
	695.5	Outer Full	17.01	16.92	19.98	14.36	14.27	17.33	<=34.77	Pass
		Inner Full	17.04	16.95	20.01	14.39	14.30	17.36	<=34.77	Pass
		Inner 1RB Left	17.15	17.05	20.11	14.50	14.40	17.46	<=34.77	Pass
		Inner 1RB Right	17.20	17.13	20.18	14.55	14.48	17.53	<=34.77	Pass
CP-OFDM 256 QAM	665.5	Outer Full	14.05	14.06	17.07	11.40	11.41	14.42	<=34.77	Pass
		Inner Full	14.18	14.19	17.20	11.53	11.54	14.55	<=34.77	Pass
		Inner 1RB Left	14.05	14.02	17.04	11.40	11.37	14.40	<=34.77	Pass
		Inner 1RB Right	14.13	14.17	17.16	11.48	11.52	14.51	<=34.77	Pass
	680.5	Outer Full	13.72	13.86	16.80	11.07	11.21	14.15	<=34.77	Pass
		Inner Full	13.93	14.07	17.01	11.28	11.42	14.36	<=34.77	Pass
		Inner 1RB Left	13.77	13.92	16.86	11.12	11.27	14.21	<=34.77	Pass
		Inner 1RB Right	13.82	13.94	16.89	11.17	11.29	14.24	<=34.77	Pass
	695.5	Outer Full	14.09	14.00	17.06	11.44	11.35	14.41	<=34.77	Pass
		Inner Full	14.13	14.03	17.09	11.48	11.38	14.44	<=34.77	Pass
		Inner 1RB Left	14.06	13.96	17.02	11.41	11.31	14.37	<=34.77	Pass
		Inner 1RB Right	14.09	14.02	17.06	11.44	11.37	14.42	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant_1=Conducted Power_1+Ant Gain_1-2.15 / ERP Ant_2=Conducted Power_2+Ant Gain_2-2.15 / Sum=ERP Ant_1+ERP Ant_2

1.1.6 15k_MIMO_10MHz_NTNV_ERP

5G NR n71 SCS=15kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	668	Outer_Full	19.72	19.79	22.76	17.07	17.14	20.12	<=34.77	Pass
		Inner_Full	20.45	20.52	23.50	17.80	17.87	20.85	<=34.77	Pass
		Inner_1RB_Left	20.49	20.47	23.49	17.84	17.82	20.84	<=34.77	Pass
		Inner_1RB_Right	20.39	20.55	23.48	17.74	17.90	20.83	<=34.77	Pass
	680.5	Outer_Full	19.75	19.87	22.82	17.10	17.22	20.17	<=34.77	Pass
		Inner_Full	20.27	20.40	23.35	17.62	17.75	20.70	<=34.77	Pass
		Inner_1RB_Left	20.17	20.31	23.25	17.52	17.66	20.60	<=34.77	Pass
		Inner_1RB_Right	20.35	20.41	23.39	17.70	17.76	20.74	<=34.77	Pass
	693	Outer_Full	20.05	19.98	23.02	17.40	17.33	20.38	<=34.77	Pass
		Inner_Full	20.56	20.48	23.53	17.91	17.83	20.88	<=34.77	Pass
		Inner_1RB_Left	20.49	20.45	23.48	17.84	17.80	20.83	<=34.77	Pass
		Inner_1RB_Right	20.55	20.50	23.54	17.90	17.85	20.89	<=34.77	Pass
DFT-s-OFDM QPSK	668	Outer_Full	19.28	19.35	22.32	16.63	16.70	19.68	<=34.77	Pass
		Inner_Full	20.57	20.64	23.61	17.92	17.99	20.97	<=34.77	Pass
		Inner_1RB_Left	20.34	20.32	23.34	17.69	17.67	20.69	<=34.77	Pass
		Inner_1RB_Right	20.30	20.47	23.40	17.65	17.82	20.75	<=34.77	Pass
	680.5	Outer_Full	19.24	19.37	22.32	16.59	16.72	19.67	<=34.77	Pass
		Inner_Full	20.33	20.47	23.41	17.68	17.82	20.76	<=34.77	Pass
		Inner_1RB_Left	20.21	20.35	23.29	17.56	17.70	20.64	<=34.77	Pass
		Inner_1RB_Right	20.28	20.34	23.32	17.63	17.69	20.67	<=34.77	Pass
	693	Outer_Full	19.64	19.57	22.61	16.99	16.92	19.97	<=34.77	Pass
		Inner_Full	20.48	20.40	23.45	17.83	17.75	20.80	<=34.77	Pass
		Inner_1RB_Left	20.42	20.38	23.41	17.77	17.73	20.76	<=34.77	Pass
		Inner_1RB_Right	20.46	20.42	23.45	17.81	17.77	20.80	<=34.77	Pass
DFT-s-OFDM 16 QAM	668	Outer_Full	18.40	18.47	21.44	15.75	15.82	18.80	<=34.77	Pass
		Inner_Full	19.50	19.56	22.54	16.85	16.91	19.89	<=34.77	Pass
		Inner_1RB_Left	19.49	19.47	22.49	16.84	16.82	19.84	<=34.77	Pass
		Inner_1RB_Right	19.46	19.62	22.55	16.81	16.97	19.90	<=34.77	Pass
	680.5	Outer_Full	18.36	18.48	21.43	15.71	15.83	18.78	<=34.77	Pass
		Inner_Full	19.24	19.37	22.31	16.59	16.72	19.67	<=34.77	Pass
		Inner_1RB_Left	19.32	19.46	22.40	16.67	16.81	19.75	<=34.77	Pass
		Inner_1RB_Right	19.02	19.08	22.06	16.37	16.43	19.41	<=34.77	Pass
	693	Outer_Full	18.62	18.56	21.60	15.97	15.91	18.95	<=34.77	Pass
		Inner_Full	19.61	19.53	22.58	16.96	16.88	19.93	<=34.77	Pass
		Inner_1RB_Left	19.42	19.38	22.41	16.77	16.73	19.76	<=34.77	Pass
		Inner_1RB_Right	19.67	19.63	22.66	17.02	16.98	20.01	<=34.77	Pass
DFT-s-OFDM 64 QAM	668	Outer_Full	17.94	18.01	20.98	15.29	15.36	18.34	<=34.77	Pass
		Inner_Full	18.05	18.12	21.09	15.40	15.47	18.45	<=34.77	Pass
		Inner_1RB_Left	18.09	18.07	21.09	15.44	15.42	18.44	<=34.77	Pass
		Inner_1RB_Right	18.38	18.55	21.48	15.73	15.90	18.83	<=34.77	Pass
	680.5	Outer_Full	17.85	17.97	20.92	15.20	15.32	18.27	<=34.77	Pass
		Inner_Full	17.83	17.96	20.91	15.18	15.31	18.26	<=34.77	Pass
		Inner_1RB_Left	17.83	17.96	20.91	15.18	15.31	18.26	<=34.77	Pass
		Inner_1RB_Right	17.86	17.92	20.90	15.21	15.27	18.25	<=34.77	Pass
	693	Outer_Full	18.27	18.21	21.25	15.62	15.56	18.60	<=34.77	Pass
		Inner_Full	18.06	17.98	21.03	15.41	15.33	18.38	<=34.77	Pass
		Inner_1RB_Left	18.06	18.02	21.05	15.41	15.37	18.40	<=34.77	Pass
		Inner_1RB_Right	18.13	18.09	21.12	15.48	15.44	18.47	<=34.77	Pass
DFT-s-OFDM 256 QAM	668	Outer_Full	15.92	16.00	18.97	13.27	13.35	16.32	<=34.77	Pass
		Inner_Full	16.00	16.07	19.04	13.35	13.42	16.40	<=34.77	Pass

		Inner 1RB Left	16.29	16.27	19.29	13.64	13.62	16.64	<=34.77	Pass
		Inner 1RB Right	16.19	16.36	19.29	13.54	13.71	16.64	<=34.77	Pass
	680.5	Outer Full	15.83	15.96	18.90	13.18	13.31	16.26	<=34.77	Pass
		Inner Full	15.93	16.07	19.01	13.28	13.42	16.36	<=34.77	Pass
		Inner 1RB Left	16.07	16.21	19.15	13.42	13.56	16.50	<=34.77	Pass
		Inner 1RB Right	16.15	16.22	19.19	13.50	13.57	16.55	<=34.77	Pass
	693	Outer Full	16.23	16.17	19.21	13.58	13.52	16.56	<=34.77	Pass
		Inner Full	16.14	16.07	19.11	13.49	13.42	16.47	<=34.77	Pass
		Inner 1RB Left	16.25	16.22	19.24	13.60	13.57	16.60	<=34.77	Pass
		Inner 1RB Right	16.36	16.32	19.35	13.71	13.67	16.70	<=34.77	Pass
CP-OFDM QPSK	668	Outer Full	17.30	17.37	20.35	14.65	14.72	17.70	<=34.77	Pass
		Inner Full	18.99	19.07	22.04	16.34	16.42	19.39	<=34.77	Pass
		Inner 1RB Left	18.96	18.94	21.96	16.31	16.29	19.31	<=34.77	Pass
		Inner 1RB Right	18.85	19.02	21.95	16.20	16.37	19.30	<=34.77	Pass
	680.5	Outer Full	17.31	17.44	20.39	14.66	14.79	17.74	<=34.77	Pass
		Inner Full	18.81	18.94	21.89	16.16	16.29	19.24	<=34.77	Pass
		Inner 1RB Left	18.78	18.92	21.86	16.13	16.27	19.21	<=34.77	Pass
		Inner 1RB Right	18.85	18.91	21.89	16.20	16.26	19.24	<=34.77	Pass
	693	Outer Full	17.72	17.66	20.70	15.07	15.01	18.05	<=34.77	Pass
		Inner Full	19.03	18.95	22.00	16.38	16.30	19.35	<=34.77	Pass
		Inner 1RB Left	18.98	18.95	21.98	16.33	16.30	19.33	<=34.77	Pass
		Inner 1RB Right	19.07	19.03	22.06	16.42	16.38	19.41	<=34.77	Pass
CP-OFDM 16 QAM	668	Outer Full	17.32	17.39	20.37	14.67	14.74	17.72	<=34.77	Pass
		Inner Full	18.53	18.60	21.58	15.88	15.95	18.93	<=34.77	Pass
		Inner 1RB Left	18.56	18.54	21.56	15.91	15.89	18.91	<=34.77	Pass
		Inner 1RB Right	18.47	18.64	21.57	15.82	15.99	18.92	<=34.77	Pass
	680.5	Outer Full	17.33	17.45	20.40	14.68	14.80	17.75	<=34.77	Pass
		Inner Full	18.32	18.45	21.39	15.67	15.80	18.75	<=34.77	Pass
		Inner 1RB Left	18.40	18.55	21.49	15.75	15.90	18.84	<=34.77	Pass
		Inner 1RB Right	18.57	18.63	21.61	15.92	15.98	18.96	<=34.77	Pass
	693	Outer Full	17.70	17.64	20.68	15.05	14.99	18.03	<=34.77	Pass
		Inner Full	18.40	18.33	21.38	15.75	15.68	18.73	<=34.77	Pass
		Inner 1RB Left	18.52	18.49	21.51	15.87	15.84	18.87	<=34.77	Pass
		Inner 1RB Right	18.72	18.68	21.71	16.07	16.03	19.06	<=34.77	Pass
CP-OFDM 64 QAM	668	Outer Full	16.83	16.90	19.88	14.18	14.25	17.23	<=34.77	Pass
		Inner Full	17.02	17.10	20.07	14.37	14.45	17.42	<=34.77	Pass
		Inner 1RB Left	16.87	16.85	19.87	14.22	14.20	17.22	<=34.77	Pass
		Inner 1RB Right	16.80	16.97	19.89	14.15	14.32	17.25	<=34.77	Pass
	680.5	Outer Full	16.82	16.94	19.89	14.17	14.29	17.24	<=34.77	Pass
		Inner Full	16.81	16.94	19.89	14.16	14.29	17.24	<=34.77	Pass
		Inner 1RB Left	17.01	17.15	20.09	14.36	14.50	17.44	<=34.77	Pass
		Inner 1RB Right	17.12	17.19	20.16	14.47	14.54	17.52	<=34.77	Pass
	693	Outer Full	17.16	17.10	20.14	14.51	14.45	17.49	<=34.77	Pass
		Inner Full	17.06	16.99	20.04	14.41	14.34	17.39	<=34.77	Pass
		Inner 1RB Left	17.15	17.11	20.14	14.50	14.46	17.49	<=34.77	Pass
		Inner 1RB Right	17.27	17.23	20.26	14.62	14.58	17.61	<=34.77	Pass
CP-OFDM 256 QAM	668	Outer Full	13.73	13.81	16.78	11.08	11.16	14.13	<=34.77	Pass
		Inner Full	13.89	13.97	16.94	11.24	11.32	14.29	<=34.77	Pass
		Inner 1RB Left	14.07	14.06	17.08	11.42	11.41	14.43	<=34.77	Pass
		Inner 1RB Right	14.02	14.18	17.11	11.37	11.53	14.46	<=34.77	Pass
	680.5	Outer Full	13.78	13.91	16.86	11.13	11.26	14.21	<=34.77	Pass
		Inner Full	13.75	13.89	16.83	11.10	11.24	14.18	<=34.77	Pass
		Inner 1RB Left	13.92	14.07	17.01	11.27	11.42	14.36	<=34.77	Pass
		Inner 1RB Right	13.98	14.05	17.03	11.33	11.40	14.38	<=34.77	Pass
	693	Outer Full	14.10	14.04	17.08	11.45	11.39	14.43	<=34.77	Pass
		Inner Full	14.01	13.93	16.98	11.36	11.28	14.33	<=34.77	Pass
		Inner 1RB Left	14.10	14.06	17.09	11.45	11.41	14.44	<=34.77	Pass
		Inner 1RB Right	14.17	14.14	17.16	11.52	11.49	14.52	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant_1=Conducted Power_1+Ant Gain_1-2.15 / ERP Ant_2=Conducted Power_2+Ant Gain_2-2.15 / Sum=ERP Ant_1+ERP Ant_2

1.1.7 15k_MIMO_15MHz_NTNV_ERP

5G NR n71 SCS=15kHz MIMO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	670.5	Outer_Full	19.81	19.93	22.88	17.16	17.28	20.23	<=34.77	Pass
		Inner_Full	20.46	20.57	23.53	17.81	17.92	20.88	<=34.77	Pass
		Inner_1RB_Left	20.45	20.45	23.46	17.80	17.80	20.81	<=34.77	Pass
		Inner_1RB_Right	20.26	20.51	23.40	17.61	17.86	20.75	<=34.77	Pass
	680.5	Outer_Full	19.75	19.86	22.82	17.10	17.21	20.17	<=34.77	Pass
		Inner_Full	20.31	20.44	23.39	17.66	17.79	20.74	<=34.77	Pass
		Inner_1RB_Left	20.36	20.47	23.43	17.71	17.82	20.78	<=34.77	Pass
		Inner_1RB_Right	20.43	20.45	23.45	17.78	17.80	20.80	<=34.77	Pass
	690.5	Outer_Full	19.94	19.91	22.94	17.29	17.26	20.29	<=34.77	Pass
		Inner_Full	20.55	20.50	23.54	17.90	17.85	20.89	<=34.77	Pass
		Inner_1RB_Left	20.27	20.34	23.32	17.62	17.69	20.67	<=34.77	Pass
		Inner_1RB_Right	20.54	20.51	23.54	17.89	17.86	20.89	<=34.77	Pass
DFT-s-OFDM QPSK	670.5	Outer_Full	19.36	19.48	22.43	16.71	16.83	19.78	<=34.77	Pass
		Inner_Full	20.44	20.55	23.51	17.79	17.90	20.86	<=34.77	Pass
		Inner_1RB_Left	20.38	20.38	23.39	17.73	17.73	20.74	<=34.77	Pass
		Inner_1RB_Right	20.20	20.45	23.34	17.55	17.80	20.69	<=34.77	Pass
	680.5	Outer_Full	19.29	19.40	22.35	16.64	16.75	19.71	<=34.77	Pass
		Inner_Full	20.32	20.46	23.40	17.67	17.81	20.75	<=34.77	Pass
		Inner_1RB_Left	20.29	20.40	23.35	17.64	17.75	20.71	<=34.77	Pass
		Inner_1RB_Right	20.38	20.40	23.40	17.73	17.75	20.75	<=34.77	Pass
	690.5	Outer_Full	19.55	19.52	22.55	16.90	16.87	19.90	<=34.77	Pass
		Inner_Full	20.56	20.52	23.55	17.91	17.87	20.90	<=34.77	Pass
		Inner_1RB_Left	20.23	20.30	23.28	17.58	17.65	20.63	<=34.77	Pass
		Inner_1RB_Right	20.43	20.40	23.42	17.78	17.75	20.78	<=34.77	Pass
DFT-s-OFDM 16 QAM	670.5	Outer_Full	18.47	18.59	21.54	15.82	15.94	18.89	<=34.77	Pass
		Inner_Full	19.49	19.60	22.55	16.84	16.95	19.91	<=34.77	Pass
		Inner_1RB_Left	19.44	19.44	22.45	16.79	16.79	19.80	<=34.77	Pass
		Inner_1RB_Right	19.35	19.60	22.49	16.70	16.95	19.84	<=34.77	Pass
	680.5	Outer_Full	18.44	18.56	21.51	15.79	15.91	18.86	<=34.77	Pass
		Inner_Full	19.32	19.46	22.40	16.67	16.81	19.75	<=34.77	Pass
		Inner_1RB_Left	19.27	19.38	22.34	16.62	16.73	19.69	<=34.77	Pass
		Inner_1RB_Right	19.41	19.43	22.43	16.76	16.78	19.78	<=34.77	Pass
	690.5	Outer_Full	18.58	18.56	21.58	15.93	15.91	18.93	<=34.77	Pass
		Inner_Full	19.59	19.54	22.57	16.94	16.89	19.93	<=34.77	Pass
		Inner_1RB_Left	19.30	19.38	22.35	16.65	16.73	19.70	<=34.77	Pass
		Inner_1RB_Right	19.62	19.59	22.62	16.97	16.94	19.97	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Outer_Full	18.02	18.14	21.09	15.37	15.49	18.44	<=34.77	Pass
		Inner_Full	18.11	18.22	21.18	15.46	15.57	18.53	<=34.77	Pass
		Inner_1RB_Left	17.98	17.99	21.00	15.33	15.34	18.35	<=34.77	Pass
		Inner_1RB_Right	17.91	18.16	21.05	15.26	15.51	18.40	<=34.77	Pass
	680.5	Outer_Full	17.90	18.01	20.96	15.25	15.36	18.32	<=34.77	Pass
		Inner_Full	17.83	17.97	20.91	15.18	15.32	18.26	<=34.77	Pass
		Inner_1RB_Left	17.85	17.96	20.91	15.20	15.31	18.27	<=34.77	Pass
		Inner_1RB_Right	17.99	18.01	21.01	15.34	15.36	18.36	<=34.77	Pass
	690.5	Outer_Full	18.13	18.11	21.13	15.48	15.46	18.48	<=34.77	Pass
		Inner_Full	18.15	18.11	21.14	15.50	15.46	18.49	<=34.77	Pass
		Inner_1RB_Left	17.86	17.94	20.91	15.21	15.29	18.26	<=34.77	Pass
		Inner_1RB_Right	18.14	18.12	21.14	15.49	15.47	18.49	<=34.77	Pass
DFT-s-OFDM 256 QAM	670.5	Outer_Full	15.98	16.11	19.06	13.33	13.46	16.41	<=34.77	Pass
		Inner_Full	16.04	16.16	19.11	13.39	13.51	16.46	<=34.77	Pass

		Inner 1RB Left	16.27	16.27	19.28	13.62	13.62	16.63	<=34.77	Pass
		Inner 1RB Right	16.17	16.41	19.30	13.52	13.76	16.65	<=34.77	Pass
	680.5	Outer Full	15.87	15.98	18.94	13.22	13.33	16.29	<=34.77	Pass
		Inner Full	15.80	15.95	18.89	13.15	13.30	16.24	<=34.77	Pass
		Inner 1RB Left	15.95	16.06	19.02	13.30	13.41	16.37	<=34.77	Pass
		Inner 1RB Right	16.11	16.13	19.13	13.46	13.48	16.48	<=34.77	Pass
	690.5	Outer Full	16.19	16.17	19.19	13.54	13.52	16.54	<=34.77	Pass
		Inner Full	16.16	16.12	19.15	13.51	13.47	16.50	<=34.77	Pass
		Inner 1RB Left	16.09	16.17	19.14	13.44	13.52	16.49	<=34.77	Pass
		Inner 1RB Right	16.42	16.40	19.42	13.77	13.75	16.77	<=34.77	Pass
CP-OFDM QPSK	670.5	Outer Full	17.51	17.64	20.58	14.86	14.99	17.94	<=34.77	Pass
		Inner Full	18.98	19.10	22.05	16.33	16.45	19.40	<=34.77	Pass
		Inner 1RB Left	18.91	18.91	21.92	16.26	16.26	19.27	<=34.77	Pass
		Inner 1RB Right	18.78	19.03	21.92	16.13	16.38	19.27	<=34.77	Pass
	680.5	Outer Full	17.32	17.43	20.39	14.67	14.78	17.74	<=34.77	Pass
		Inner Full	18.79	18.92	21.86	16.14	16.27	19.22	<=34.77	Pass
		Inner 1RB Left	18.79	18.90	21.85	16.14	16.25	19.21	<=34.77	Pass
		Inner 1RB Right	18.81	18.83	21.83	16.16	16.18	19.18	<=34.77	Pass
	690.5	Outer Full	17.55	17.53	20.55	14.90	14.88	17.90	<=34.77	Pass
		Inner Full	19.06	19.01	22.04	16.41	16.36	19.40	<=34.77	Pass
		Inner 1RB Left	18.79	18.86	21.83	16.14	16.21	19.19	<=34.77	Pass
		Inner 1RB Right	18.97	18.94	21.96	16.32	16.29	19.32	<=34.77	Pass
CP-OFDM 16 QAM	670.5	Outer Full	17.52	17.65	20.60	14.87	15.00	17.95	<=34.77	Pass
		Inner Full	18.49	18.61	21.56	15.84	15.96	18.91	<=34.77	Pass
		Inner 1RB Left	18.57	18.57	21.58	15.92	15.92	18.93	<=34.77	Pass
		Inner 1RB Right	18.43	18.67	21.56	15.78	16.02	18.91	<=34.77	Pass
	680.5	Outer Full	17.29	17.40	20.35	14.64	14.75	17.71	<=34.77	Pass
		Inner Full	18.39	18.53	21.47	15.74	15.88	18.82	<=34.77	Pass
		Inner 1RB Left	18.39	18.51	21.46	15.74	15.86	18.81	<=34.77	Pass
		Inner 1RB Right	18.39	18.40	21.41	15.74	15.75	18.76	<=34.77	Pass
	690.5	Outer Full	17.58	17.55	20.57	14.93	14.90	17.93	<=34.77	Pass
		Inner Full	18.54	18.49	21.52	15.89	15.84	18.88	<=34.77	Pass
		Inner 1RB Left	18.46	18.54	21.51	15.81	15.89	18.86	<=34.77	Pass
		Inner 1RB Right	18.56	18.53	21.55	15.91	15.88	18.91	<=34.77	Pass
CP-OFDM 64 QAM	670.5	Outer Full	16.98	17.11	20.06	14.33	14.46	17.41	<=34.77	Pass
		Inner Full	17.10	17.22	20.17	14.45	14.57	17.52	<=34.77	Pass
		Inner 1RB Left	17.10	17.10	20.11	14.45	14.45	17.46	<=34.77	Pass
		Inner 1RB Right	16.96	17.21	20.10	14.31	14.56	17.45	<=34.77	Pass
	680.5	Outer Full	16.85	16.96	19.91	14.20	14.31	17.27	<=34.77	Pass
		Inner Full	16.84	16.97	19.92	14.19	14.32	17.27	<=34.77	Pass
		Inner 1RB Left	16.75	16.86	19.81	14.10	14.21	17.17	<=34.77	Pass
		Inner 1RB Right	16.73	16.75	19.75	14.08	14.10	17.10	<=34.77	Pass
	690.5	Outer Full	17.04	17.02	20.04	14.39	14.37	17.39	<=34.77	Pass
		Inner Full	17.13	17.08	20.12	14.48	14.43	17.47	<=34.77	Pass
		Inner 1RB Left	16.98	17.05	20.02	14.33	14.40	17.38	<=34.77	Pass
		Inner 1RB Right	17.18	17.15	20.17	14.53	14.50	17.53	<=34.77	Pass
CP-OFDM 256 QAM	670.5	Outer Full	13.88	14.02	16.96	11.23	11.37	14.31	<=34.77	Pass
		Inner Full	13.96	14.09	17.04	11.31	11.44	14.39	<=34.77	Pass
		Inner 1RB Left	14.02	14.02	17.03	11.37	11.37	14.38	<=34.77	Pass
		Inner 1RB Right	13.89	14.14	17.03	11.24	11.49	14.38	<=34.77	Pass
	680.5	Outer Full	13.79	13.90	16.85	11.14	11.25	14.21	<=34.77	Pass
		Inner Full	13.74	13.88	16.82	11.09	11.23	14.17	<=34.77	Pass
		Inner 1RB Left	13.83	13.95	16.90	11.18	11.30	14.25	<=34.77	Pass
		Inner 1RB Right	13.79	13.81	16.81	11.14	11.16	14.16	<=34.77	Pass
	690.5	Outer Full	14.00	13.98	17.00	11.35	11.33	14.35	<=34.77	Pass
		Inner Full	13.97	13.92	16.95	11.32	11.27	14.31	<=34.77	Pass
		Inner 1RB Left	13.88	13.96	16.93	11.23	11.31	14.28	<=34.77	Pass
		Inner 1RB Right	13.75	13.73	16.75	11.10	11.08	14.10	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant_1=Conducted Power_1+Ant Gain_1-2.15 / ERP Ant_2=Conducted Power_2+Ant Gain_2-2.15 / Sum=ERP Ant_1+ERP Ant_2

1.1.8 15k_MIMO_20MHz_NTNV_ERP

5G NR n71 SCS=15kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			ERP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	19.87	20.02	22.96	17.22	17.37	20.31	<=34.77	Pass
		Inner_Full	20.41	20.56	23.49	17.76	17.91	20.85	<=34.77	Pass
		Inner_1RB_Left	20.50	20.49	23.51	17.85	17.84	20.86	<=34.77	Pass
		Inner_1RB_Right	20.32	20.51	23.43	17.67	17.86	20.78	<=34.77	Pass
	680.5	Outer_Full	19.78	19.88	22.84	17.13	17.23	20.19	<=34.77	Pass
		Inner_Full	20.29	20.42	23.37	17.64	17.77	20.72	<=34.77	Pass
		Inner_1RB_Left	20.34	20.40	23.38	17.69	17.75	20.73	<=34.77	Pass
		Inner_1RB_Right	20.46	20.44	23.46	17.81	17.79	20.81	<=34.77	Pass
	688	Outer_Full	19.71	19.73	22.73	17.06	17.08	20.08	<=34.77	Pass
		Inner_Full	20.50	20.50	23.51	17.85	17.85	20.86	<=34.77	Pass
		Inner_1RB_Left	20.19	20.34	23.28	17.54	17.69	20.63	<=34.77	Pass
		Inner_1RB_Right	20.65	20.62	23.64	18.00	17.97	21.00	<=34.77	Pass
DFT-s-OFDM QPSK	673	Outer_Full	19.45	19.59	22.53	16.80	16.94	19.88	<=34.77	Pass
		Inner_Full	20.46	20.61	23.55	17.81	17.96	20.90	<=34.77	Pass
		Inner_1RB_Left	20.32	20.31	23.33	17.67	17.66	20.68	<=34.77	Pass
		Inner_1RB_Right	20.26	20.45	23.36	17.61	17.80	20.72	<=34.77	Pass
	680.5	Outer_Full	19.25	19.35	22.31	16.60	16.70	19.66	<=34.77	Pass
		Inner_Full	20.34	20.47	23.42	17.69	17.82	20.77	<=34.77	Pass
		Inner_1RB_Left	20.23	20.29	23.27	17.58	17.64	20.62	<=34.77	Pass
		Inner_1RB_Right	20.35	20.32	23.35	17.70	17.67	20.70	<=34.77	Pass
	688	Outer_Full	19.34	19.36	22.36	16.69	16.71	19.71	<=34.77	Pass
		Inner_Full	20.61	20.61	23.62	17.96	17.96	20.97	<=34.77	Pass
		Inner_1RB_Left	20.24	20.39	23.32	17.59	17.74	20.68	<=34.77	Pass
		Inner_1RB_Right	20.56	20.53	23.56	17.91	17.88	20.91	<=34.77	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	18.51	18.65	21.59	15.86	16.00	18.94	<=34.77	Pass
		Inner_Full	19.39	19.54	22.47	16.74	16.89	19.83	<=34.77	Pass
		Inner_1RB_Left	19.41	19.40	22.42	16.76	16.75	19.77	<=34.77	Pass
		Inner_1RB_Right	19.40	19.59	22.50	16.75	16.94	19.86	<=34.77	Pass
	680.5	Outer_Full	18.39	18.49	21.45	15.74	15.84	18.80	<=34.77	Pass
		Inner_Full	19.27	19.40	22.34	16.62	16.75	19.70	<=34.77	Pass
		Inner_1RB_Left	19.42	19.48	22.46	16.77	16.83	19.81	<=34.77	Pass
		Inner_1RB_Right	19.28	19.26	22.28	16.63	16.61	19.63	<=34.77	Pass
	688	Outer_Full	18.37	18.40	21.40	15.72	15.75	18.75	<=34.77	Pass
		Inner_Full	19.45	19.46	22.47	16.80	16.81	19.82	<=34.77	Pass
		Inner_1RB_Left	19.35	19.50	22.43	16.70	16.85	19.79	<=34.77	Pass
		Inner_1RB_Right	19.63	19.61	22.63	16.98	16.96	19.98	<=34.77	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	17.95	18.09	21.03	15.30	15.44	18.38	<=34.77	Pass
		Inner_Full	18.08	18.23	21.17	15.43	15.58	18.52	<=34.77	Pass
		Inner_1RB_Left	18.02	18.01	21.03	15.37	15.36	18.38	<=34.77	Pass
		Inner_1RB_Right	17.89	18.08	21.00	15.24	15.43	18.35	<=34.77	Pass
	680.5	Outer_Full	17.93	18.02	20.99	15.28	15.37	18.34	<=34.77	Pass
		Inner_Full	17.84	17.98	20.92	15.19	15.33	18.27	<=34.77	Pass
		Inner_1RB_Left	17.88	17.95	20.92	15.23	15.30	18.28	<=34.77	Pass
		Inner_1RB_Right	18.05	18.03	21.05	15.40	15.38	18.40	<=34.77	Pass
	688	Outer_Full	18.04	18.06	21.06	15.39	15.41	18.41	<=34.77	Pass
		Inner_Full	18.04	18.05	21.05	15.39	15.40	18.41	<=34.77	Pass
		Inner_1RB_Left	17.77	17.92	20.85	15.12	15.27	18.21	<=34.77	Pass
		Inner_1RB_Right	18.18	18.15	21.17	15.53	15.50	18.53	<=34.77	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	16.04	16.18	19.12	13.39	13.53	16.47	<=34.77	Pass
		Inner_Full	16.05	16.21	19.14	13.40	13.56	16.49	<=34.77	Pass

		Inner 1RB Left	16.22	16.21	19.23	13.57	13.56	16.58	<=34.77	Pass
		Inner 1RB Right	15.90	16.09	19.01	13.25	13.44	16.36	<=34.77	Pass
	680.5	Outer Full	15.82	15.92	18.88	13.17	13.27	16.23	<=34.77	Pass
		Inner Full	15.80	15.93	18.88	13.15	13.28	16.23	<=34.77	Pass
		Inner 1RB Left	16.01	16.07	19.05	13.36	13.42	16.40	<=34.77	Pass
		Inner 1RB Right	16.18	16.16	19.19	13.53	13.51	16.53	<=34.77	Pass
	688	Outer Full	15.97	16.00	19.00	13.32	13.35	16.35	<=34.77	Pass
		Inner Full	16.07	16.08	19.09	13.42	13.43	16.44	<=34.77	Pass
		Inner 1RB Left	15.97	16.12	19.06	13.32	13.47	16.41	<=34.77	Pass
		Inner 1RB Right	16.42	16.40	19.42	13.77	13.75	16.77	<=34.77	Pass
CP-OFDM QPSK	673	Outer Full	17.48	17.63	20.57	14.83	14.98	17.92	<=34.77	Pass
		Inner Full	18.96	19.12	22.05	16.31	16.47	19.40	<=34.77	Pass
		Inner 1RB Left	18.95	18.94	21.96	16.30	16.29	19.31	<=34.77	Pass
		Inner 1RB Right	18.80	18.99	21.91	16.15	16.34	19.26	<=34.77	Pass
	680.5	Outer Full	17.36	17.45	20.41	14.71	14.80	17.77	<=34.77	Pass
		Inner Full	18.80	18.92	21.87	16.15	16.27	19.22	<=34.77	Pass
		Inner 1RB Left	18.86	18.92	21.90	16.21	16.27	19.25	<=34.77	Pass
		Inner 1RB Right	18.89	18.87	21.89	16.24	16.22	19.24	<=34.77	Pass
	688	Outer Full	17.41	17.43	20.43	14.76	14.78	17.78	<=34.77	Pass
		Inner Full	18.92	18.92	21.93	16.27	16.27	19.28	<=34.77	Pass
		Inner 1RB Left	18.72	18.86	21.80	16.07	16.21	19.15	<=34.77	Pass
		Inner 1RB Right	19.04	19.01	22.03	16.39	16.36	19.39	<=34.77	Pass
CP-OFDM 16 QAM	673	Outer Full	17.49	17.64	20.58	14.84	14.99	17.93	<=34.77	Pass
		Inner Full	18.49	18.66	21.59	15.84	16.01	18.94	<=34.77	Pass
		Inner 1RB Left	18.56	18.55	21.57	15.91	15.90	18.92	<=34.77	Pass
		Inner 1RB Right	18.45	18.63	21.55	15.80	15.98	18.90	<=34.77	Pass
	680.5	Outer Full	17.30	17.39	20.36	14.65	14.74	17.71	<=34.77	Pass
		Inner Full	18.38	18.51	21.46	15.73	15.86	18.81	<=34.77	Pass
		Inner 1RB Left	18.41	18.48	21.46	15.76	15.83	18.81	<=34.77	Pass
		Inner 1RB Right	18.49	18.47	21.49	15.84	15.82	18.84	<=34.77	Pass
	688	Outer Full	17.46	17.49	20.48	14.81	14.84	17.84	<=34.77	Pass
		Inner Full	18.42	18.42	21.43	15.77	15.77	18.78	<=34.77	Pass
		Inner 1RB Left	18.39	18.54	21.47	15.74	15.89	18.83	<=34.77	Pass
		Inner 1RB Right	18.60	18.58	21.60	15.95	15.93	18.95	<=34.77	Pass
CP-OFDM 64 QAM	673	Outer Full	17.06	17.21	20.14	14.41	14.56	17.50	<=34.77	Pass
		Inner Full	17.08	17.25	20.18	14.43	14.60	17.53	<=34.77	Pass
		Inner 1RB Left	17.16	17.15	20.16	14.51	14.50	17.52	<=34.77	Pass
		Inner 1RB Right	17.01	17.20	20.12	14.36	14.55	17.47	<=34.77	Pass
	680.5	Outer Full	16.89	16.98	19.95	14.24	14.33	17.30	<=34.77	Pass
		Inner Full	16.92	17.05	19.99	14.27	14.40	17.35	<=34.77	Pass
		Inner 1RB Left	16.75	16.82	19.80	14.10	14.17	17.15	<=34.77	Pass
		Inner 1RB Right	16.84	16.82	19.84	14.19	14.17	17.19	<=34.77	Pass
	688	Outer Full	16.94	16.96	19.96	14.29	14.31	17.31	<=34.77	Pass
		Inner Full	17.07	17.08	20.08	14.42	14.43	17.44	<=34.77	Pass
		Inner 1RB Left	16.95	17.10	20.04	14.30	14.45	17.39	<=34.77	Pass
		Inner 1RB Right	17.26	17.24	20.26	14.61	14.59	17.61	<=34.77	Pass
CP-OFDM 256 QAM	673	Outer Full	13.92	14.07	17.00	11.27	11.42	14.36	<=34.77	Pass
		Inner Full	13.92	14.09	17.02	11.27	11.44	14.37	<=34.77	Pass
		Inner 1RB Left	14.09	14.08	17.10	11.44	11.43	14.45	<=34.77	Pass
		Inner 1RB Right	13.95	14.14	17.05	11.30	11.49	14.41	<=34.77	Pass
	680.5	Outer Full	13.80	13.90	16.86	11.15	11.25	14.21	<=34.77	Pass
		Inner Full	13.78	13.91	16.86	11.13	11.26	14.21	<=34.77	Pass
		Inner 1RB Left	13.80	13.87	16.85	11.15	11.22	14.20	<=34.77	Pass
		Inner 1RB Right	14.06	14.04	17.06	11.41	11.39	14.41	<=34.77	Pass
	688	Outer Full	13.83	13.85	16.85	11.18	11.20	14.20	<=34.77	Pass
		Inner Full	13.94	13.94	16.95	11.29	11.29	14.30	<=34.77	Pass
		Inner 1RB Left	13.90	14.05	16.99	11.25	11.40	14.34	<=34.77	Pass
		Inner 1RB Right	14.00	13.97	17.00	11.35	11.32	14.35	<=34.77	Pass

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant_1=Conducted Power_1+Ant Gain_1-2.15 / ERP Ant_2=Conducted Power_2+Ant Gain_2-2.15 / Sum=ERP Ant_1+ERP Ant_2

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

5G NR n71 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 256 QAM	680.5	Outer_Full	10	NV	-3.90	-0.0057	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0056	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0065	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0075	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-3.50	-0.0051	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0050	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0075	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0046	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0056	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0062	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0098	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0084	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0071	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-5.40	-0.0079	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-4.60	-0.0068	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0054	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0094	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0048	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0065	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0057	>=-2.5 & <=2.5	Pass
			40	NV	-6.90	-0.0101	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0054	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0057	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0091	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0060	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0062	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0072	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0072	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0060	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	20	LV	-6.10	-0.0090	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0093	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0085	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0059	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0066	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0096	>=-2.5 & <=2.5	Pass

			10	NV	-4.60	-0.0068	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.20	-0.0076	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.40	-0.0065	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.70	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass

2.1.2 15k_SISO_20MHz

5G NR n71 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 PI/2 BPSK	680.5	Outer_Full	20	LV	-4.00	-0.0059	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.20	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.00	-0.0088	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0075	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.70	-0.0069	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.30	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.10	-0.0075	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.60	-0.0082	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.00	-0.0088	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0051	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-5.90	-0.0087	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.10	-0.0090	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.40	-0.0094	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.70	-0.0054	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.70	-0.0098	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.30	-0.0078	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.30	-0.0093	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0071	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.20	-0.0091	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.40	-0.0109	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.00	-0.0103	≥ -2.5 & ≤ 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n71 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	665.5	Outer_Full	4.54	5.00	/	Pass
	680.5	Outer_Full	4.54	4.97	/	Pass
	695.5	Outer_Full	4.54	4.98	/	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	4.51	4.96	/	Pass
	680.5	Outer_Full	4.51	4.96	/	Pass
	695.5	Outer_Full	4.50	4.96	/	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	4.52	4.98	/	Pass
	680.5	Outer_Full	4.52	4.98	/	Pass
	695.5	Outer_Full	4.51	5.01	/	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	4.52	5.01	/	Pass
	680.5	Outer_Full	4.53	5.02	/	Pass
	695.5	Outer_Full	4.53	4.98	/	Pass

DFT-s-OFDM 256 QAM	665.5	Outer_Full	4.56	4.97	/	Pass
	680.5	Outer_Full	4.53	4.99	/	Pass
	695.5	Outer_Full	4.54	5.01	/	Pass
CP-OFDM QPSK	665.5	Outer_Full	4.53	5.00	/	Pass
	680.5	Outer_Full	4.52	5.00	/	Pass
	695.5	Outer_Full	4.52	4.99	/	Pass
CP-OFDM 16 QAM	665.5	Outer_Full	4.51	4.96	/	Pass
	680.5	Outer_Full	4.51	5.01	/	Pass
	695.5	Outer_Full	4.51	5.02	/	Pass
CP-OFDM 64 QAM	665.5	Outer_Full	4.55	5.01	/	Pass
	680.5	Outer_Full	4.54	5.00	/	Pass
	695.5	Outer_Full	4.54	4.98	/	Pass
CP-OFDM 256 QAM	665.5	Outer_Full	4.53	4.98	/	Pass
	680.5	Outer_Full	4.51	5.00	/	Pass
	695.5	Outer_Full	4.52	4.98	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n71 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	668	Outer_Full	9.03	9.69	/	Pass
	680.5	Outer_Full	9.07	9.72	/	Pass
	693	Outer_Full	9.10	9.74	/	Pass
DFT-s-OFDM QPSK	668	Outer_Full	8.97	9.67	/	Pass
	680.5	Outer_Full	9.02	9.71	/	Pass
	693	Outer_Full	9.04	9.73	/	Pass
DFT-s-OFDM 16 QAM	668	Outer_Full	9.03	9.72	/	Pass
	680.5	Outer_Full	9.07	9.74	/	Pass
	693	Outer_Full	9.09	9.75	/	Pass
DFT-s-OFDM 64 QAM	668	Outer_Full	8.99	9.71	/	Pass
	680.5	Outer_Full	9.03	9.70	/	Pass
	693	Outer_Full	9.04	9.76	/	Pass
DFT-s-OFDM 256 QAM	668	Outer_Full	9.00	9.71	/	Pass
	680.5	Outer_Full	9.04	9.72	/	Pass
	693	Outer_Full	9.07	9.71	/	Pass
CP-OFDM QPSK	668	Outer_Full	9.33	10.05	/	Pass
	680.5	Outer_Full	9.37	10.09	/	Pass
	693	Outer_Full	9.39	10.07	/	Pass
CP-OFDM 16 QAM	668	Outer_Full	9.34	10.06	/	Pass
	680.5	Outer_Full	9.36	10.10	/	Pass
	693	Outer_Full	9.40	10.09	/	Pass
CP-OFDM 64 QAM	668	Outer_Full	9.32	10.08	/	Pass
	680.5	Outer_Full	9.36	10.09	/	Pass
	693	Outer_Full	9.38	10.08	/	Pass
CP-OFDM 256 QAM	668	Outer_Full	9.35	10.06	/	Pass
	680.5	Outer_Full	9.37	10.08	/	Pass
	693	Outer_Full	9.41	10.15	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

5G NR n71 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	670.5	Outer_Full	13.48	14.56	/	Pass
	680.5	Outer_Full	13.54	14.59	/	Pass

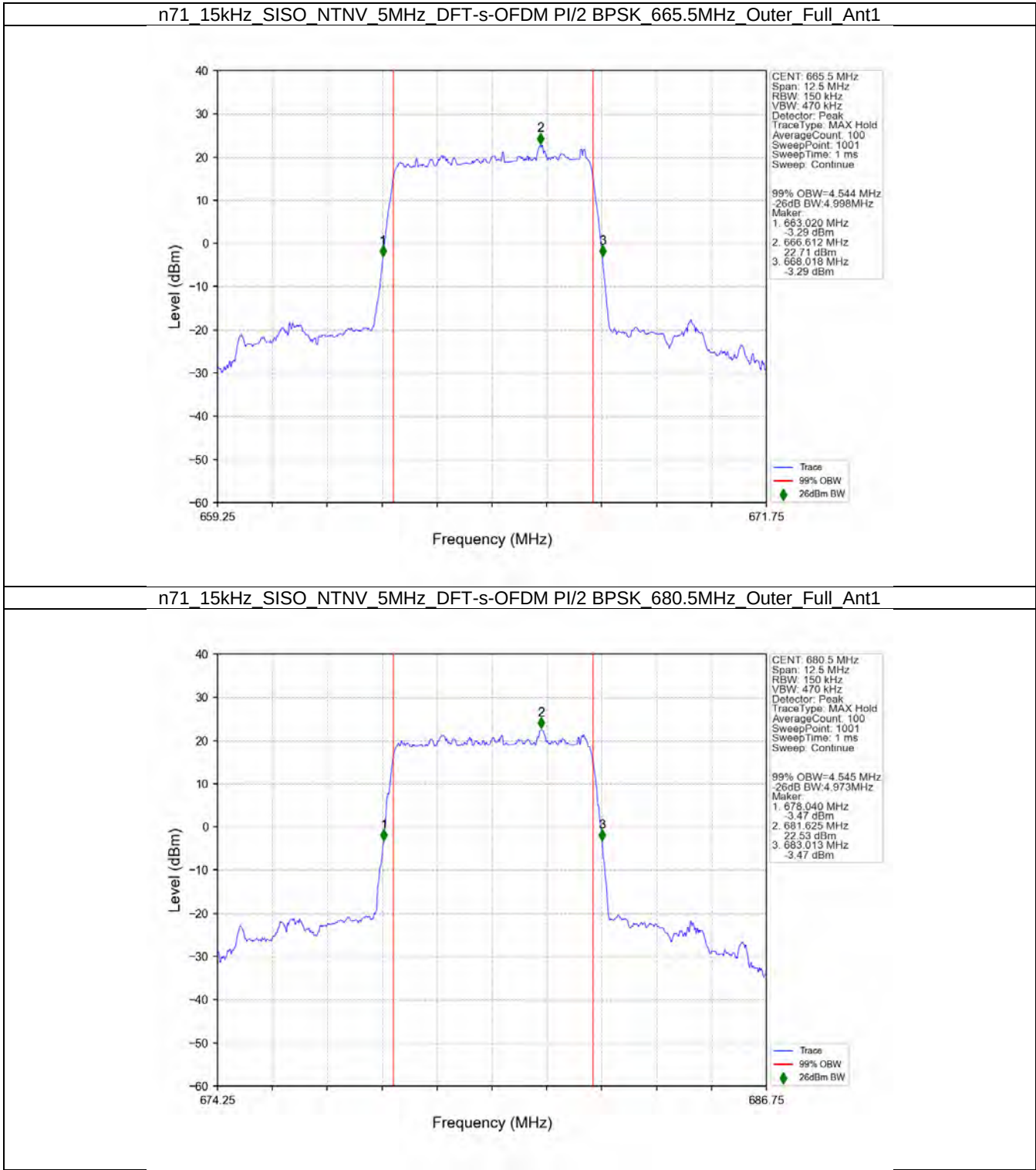
	690.5	Outer_Full	13.55	14.57	/	Pass
DFT-s-OFDM QPSK	670.5	Outer_Full	13.47	14.51	/	Pass
	680.5	Outer_Full	13.53	14.57	/	Pass
	690.5	Outer_Full	13.56	14.58	/	Pass
	670.5	Outer_Full	13.53	14.55	/	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	13.60	14.58	/	Pass
	690.5	Outer_Full	13.61	14.58	/	Pass
	670.5	Outer_Full	13.44	14.54	/	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	13.49	14.54	/	Pass
	690.5	Outer_Full	13.54	14.59	/	Pass
	670.5	Outer_Full	13.48	14.51	/	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	13.55	14.56	/	Pass
	690.5	Outer_Full	13.58	14.57	/	Pass
	670.5	Outer_Full	14.18	15.23	/	Pass
CP-OFDM QPSK	680.5	Outer_Full	14.25	15.27	/	Pass
	690.5	Outer_Full	14.29	15.26	/	Pass
	670.5	Outer_Full	14.22	15.24	/	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	14.29	15.28	/	Pass
	690.5	Outer_Full	14.30	15.29	/	Pass
	670.5	Outer_Full	14.16	15.26	/	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	14.22	15.25	/	Pass
	690.5	Outer_Full	14.27	15.30	/	Pass
	670.5	Outer_Full	14.20	15.27	/	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	14.27	15.25	/	Pass
	690.5	Outer_Full	14.28	15.33	/	Pass

3.1.4 15k_SISO_20MHz_NTNV

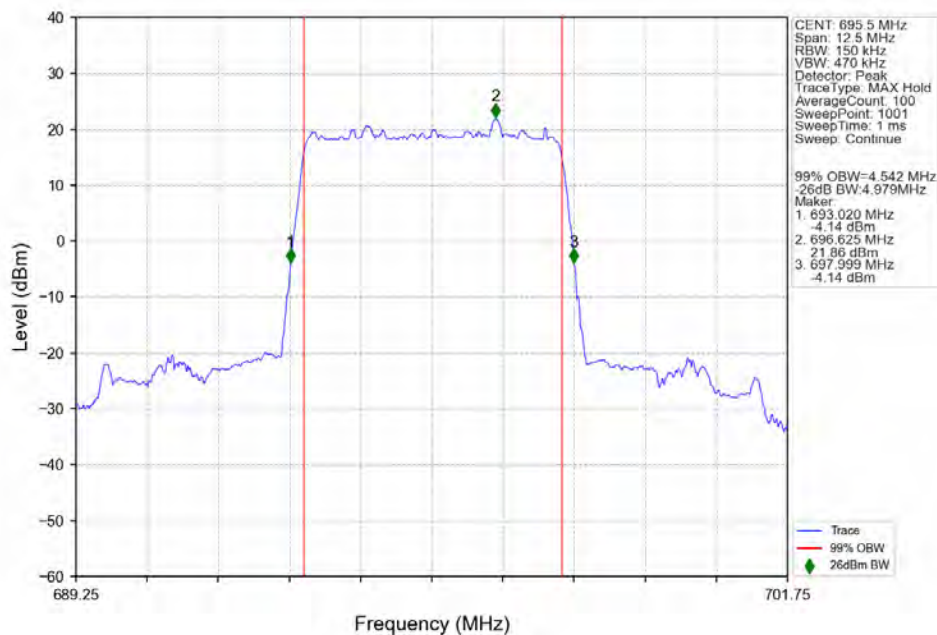
5G NR n71 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	17.92	19.33	/	Pass
	680.5	Outer_Full	18.02	19.38	/	Pass
	688	Outer_Full	17.97	19.32	/	Pass
DFT-s-OFDM QPSK	673	Outer_Full	18.06	19.39	/	Pass
	680.5	Outer_Full	18.10	19.39	/	Pass
	688	Outer_Full	18.10	19.39	/	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	17.99	19.34	/	Pass
	680.5	Outer_Full	18.11	19.40	/	Pass
	688	Outer_Full	18.03	19.35	/	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	18.01	19.41	/	Pass
	680.5	Outer_Full	18.09	19.44	/	Pass
	688	Outer_Full	18.07	19.39	/	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	18.10	19.43	/	Pass
	680.5	Outer_Full	18.17	19.41	/	Pass
	688	Outer_Full	18.13	19.44	/	Pass
CP-OFDM QPSK	673	Outer_Full	19.10	20.46	/	Pass
	680.5	Outer_Full	19.12	20.46	/	Pass
	688	Outer_Full	19.13	20.44	/	Pass
CP-OFDM 16 QAM	673	Outer_Full	19.14	20.42	/	Pass
	680.5	Outer_Full	19.14	20.49	/	Pass
	688	Outer_Full	19.15	20.43	/	Pass
CP-OFDM 64 QAM	673	Outer_Full	19.11	20.46	/	Pass
	680.5	Outer_Full	19.18	20.48	/	Pass
	688	Outer_Full	19.12	20.45	/	Pass
CP-OFDM 256 QAM	673	Outer_Full	19.08	20.48	/	Pass
	680.5	Outer_Full	19.12	20.45	/	Pass
	688	Outer_Full	19.09	20.44	/	Pass

3.2 Test Graph

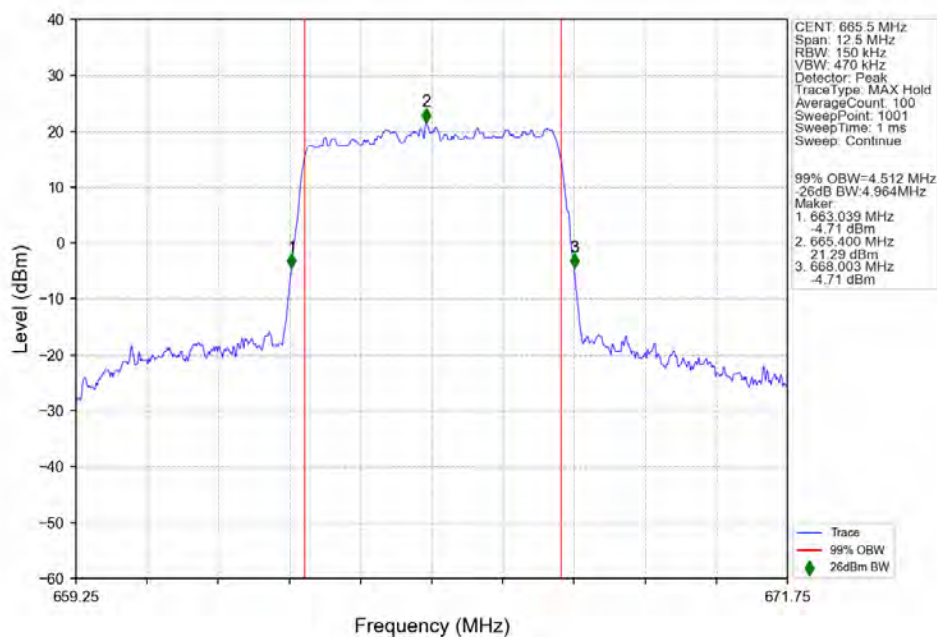
3.2.1 15k_SISO_5MHz_NTNV



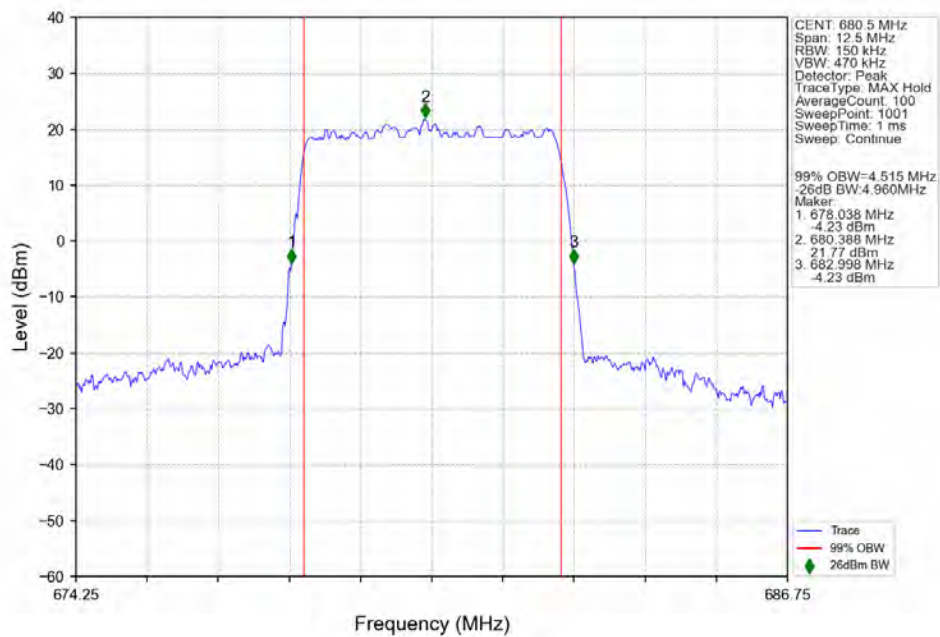
n71 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 695.5MHz Outer Full Ant1



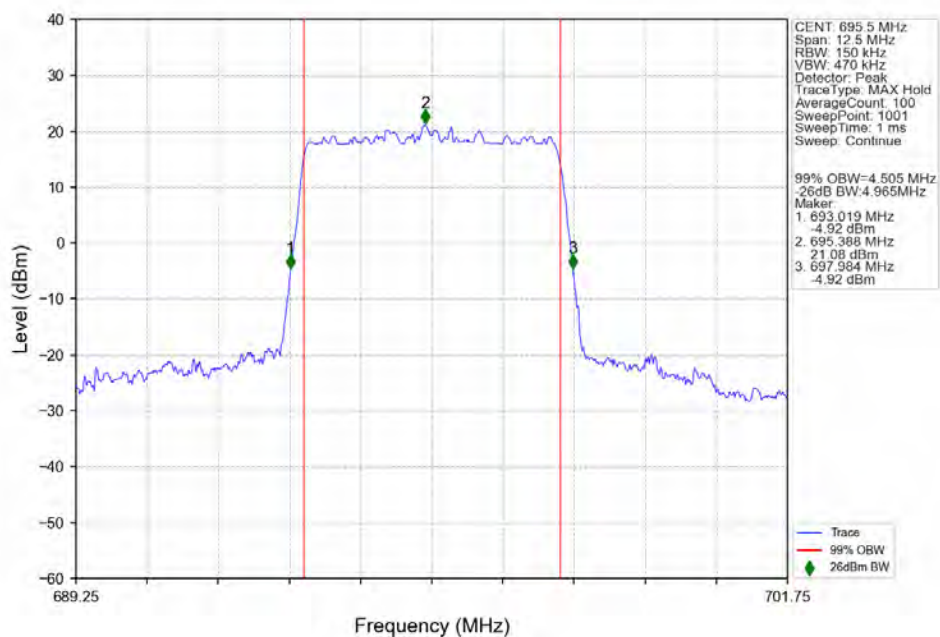
n71 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 665.5MHz Outer Full Ant1



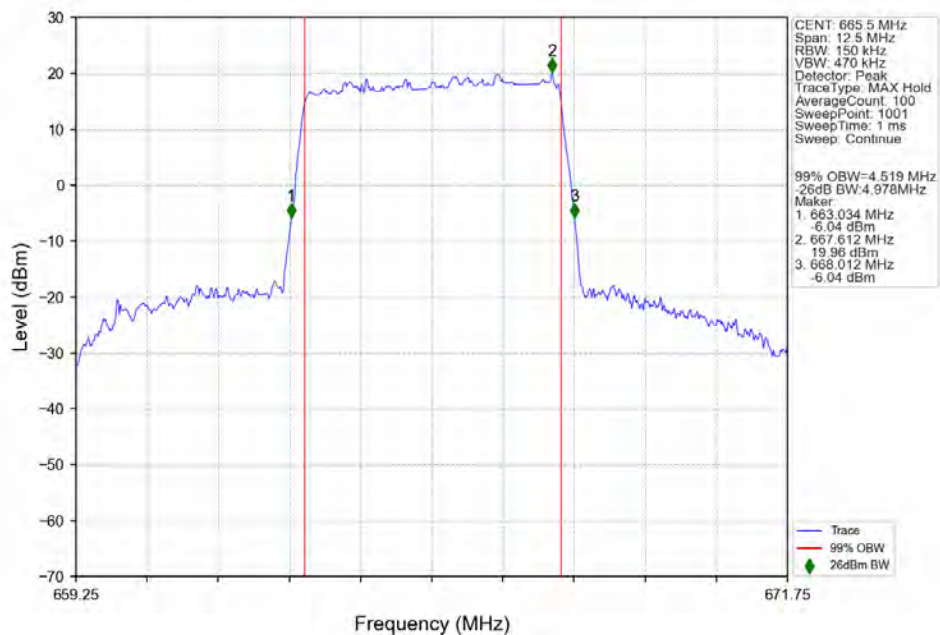
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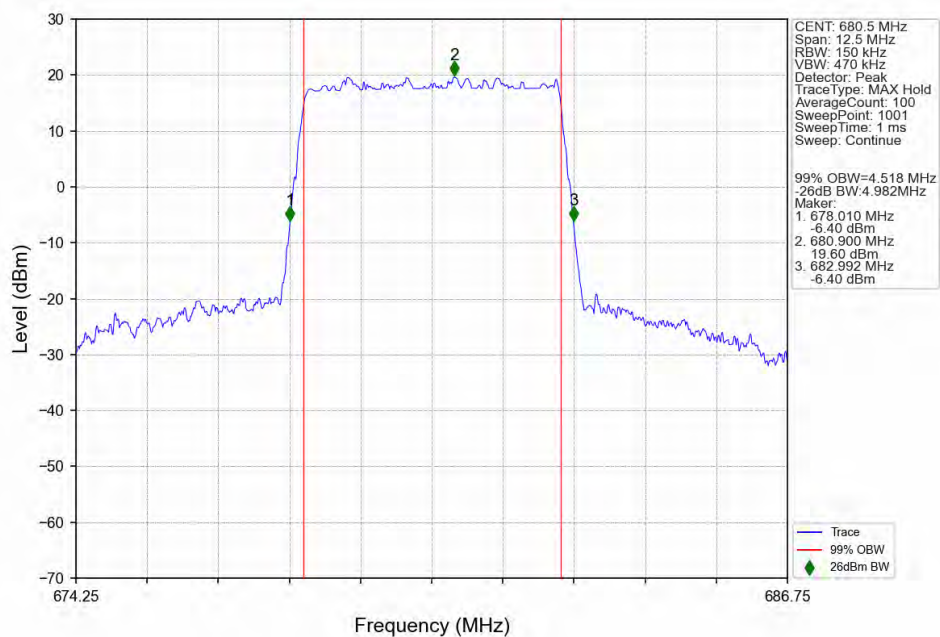
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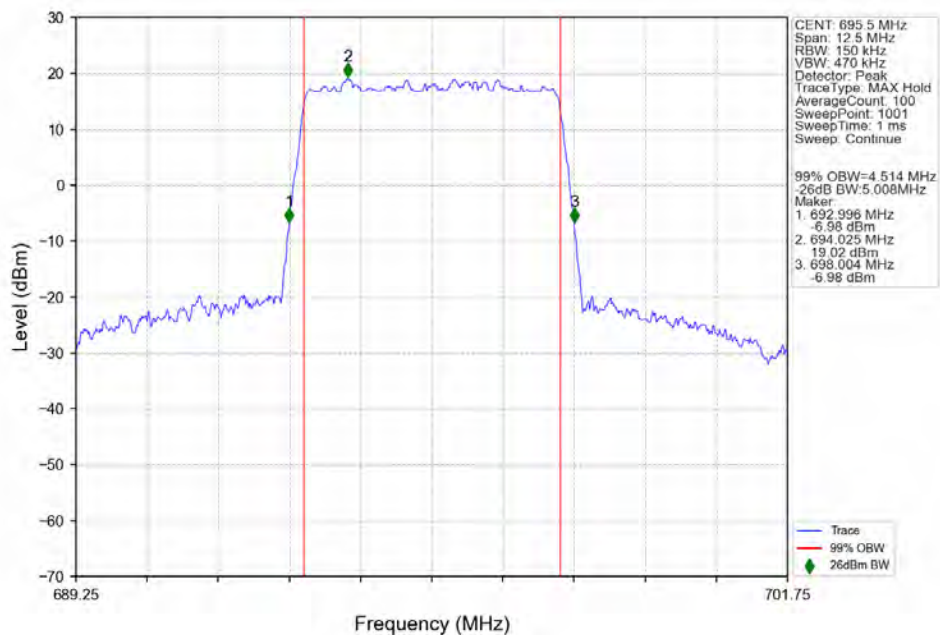
n71 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 665.5MHz Outer Full Ant1



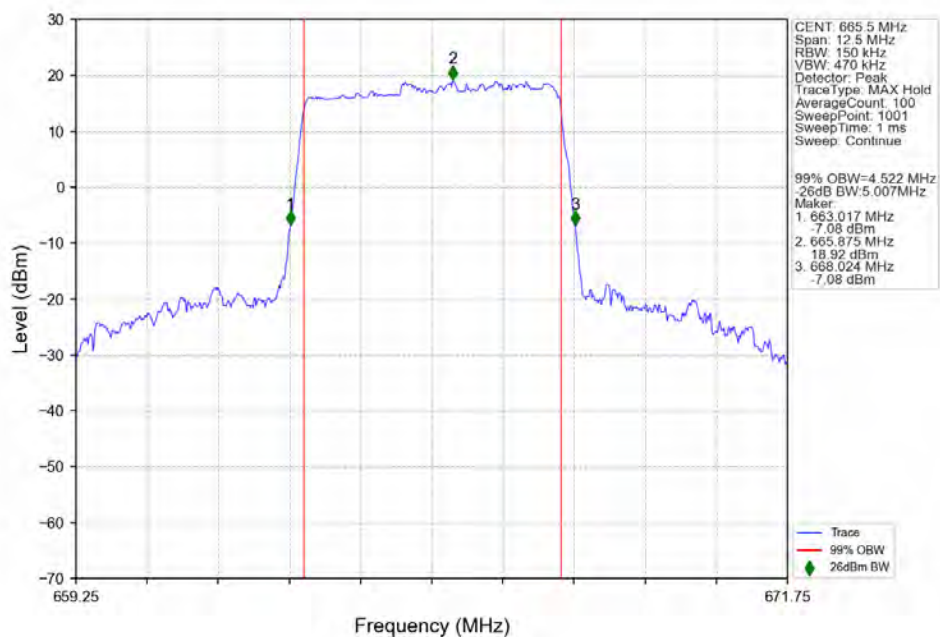
n71 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 680.5MHz Outer Full Ant1



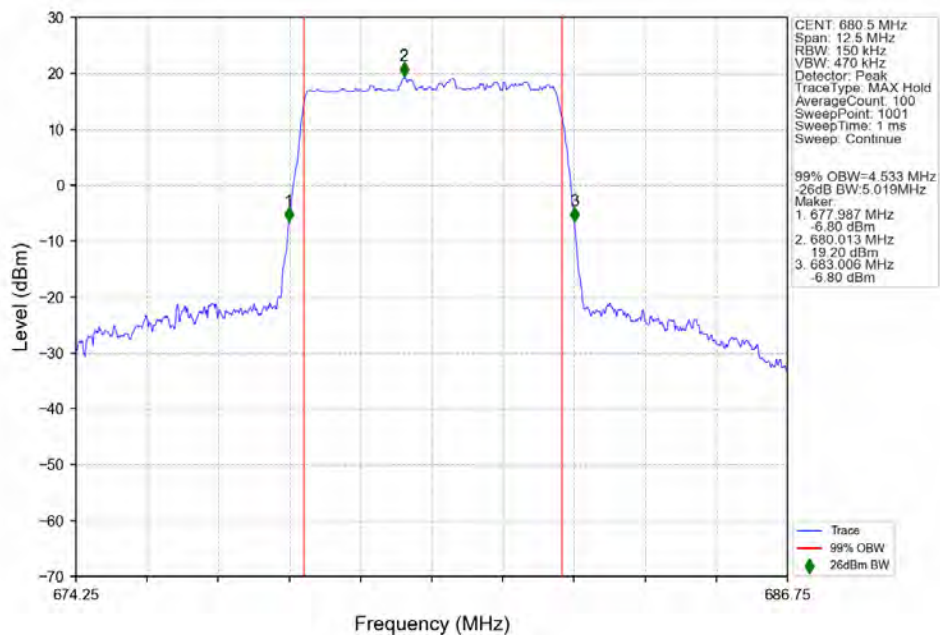
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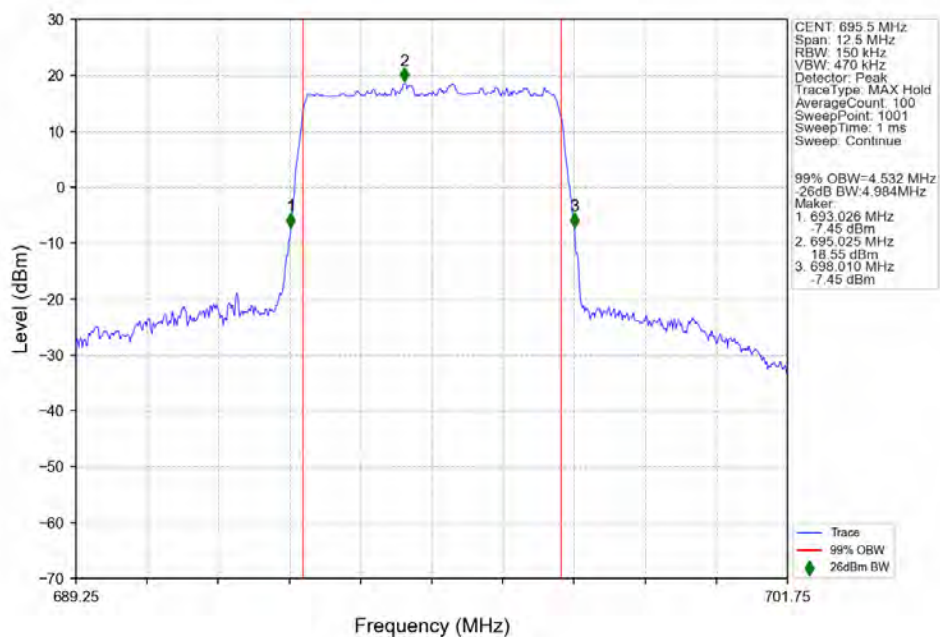
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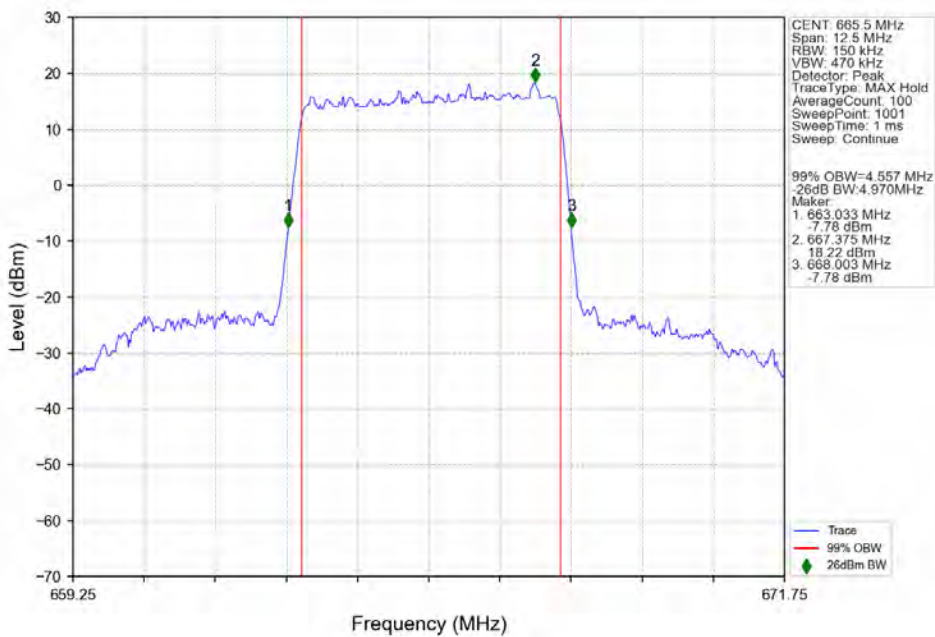
n71 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 680.5MHz Outer Full Ant1



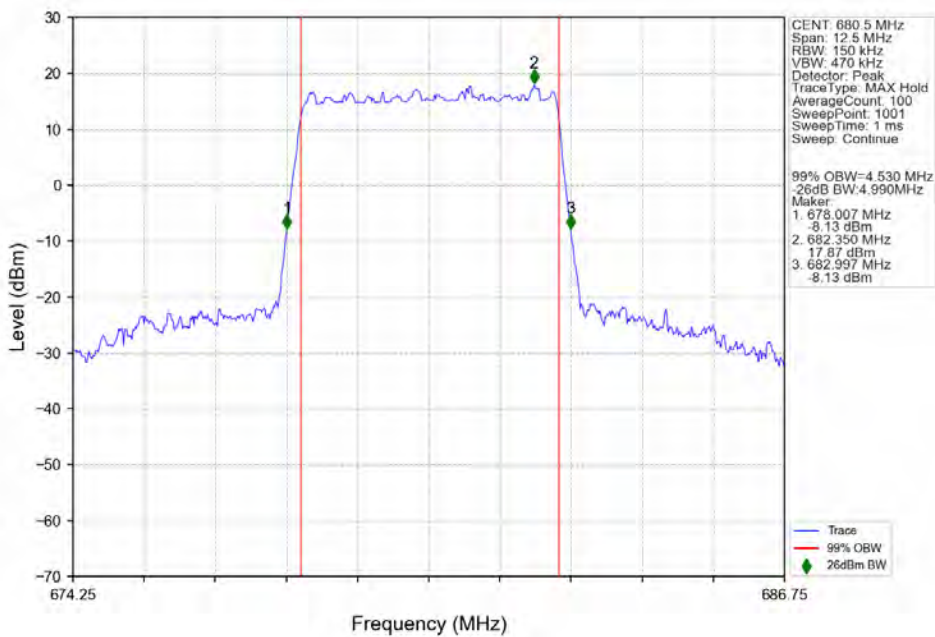
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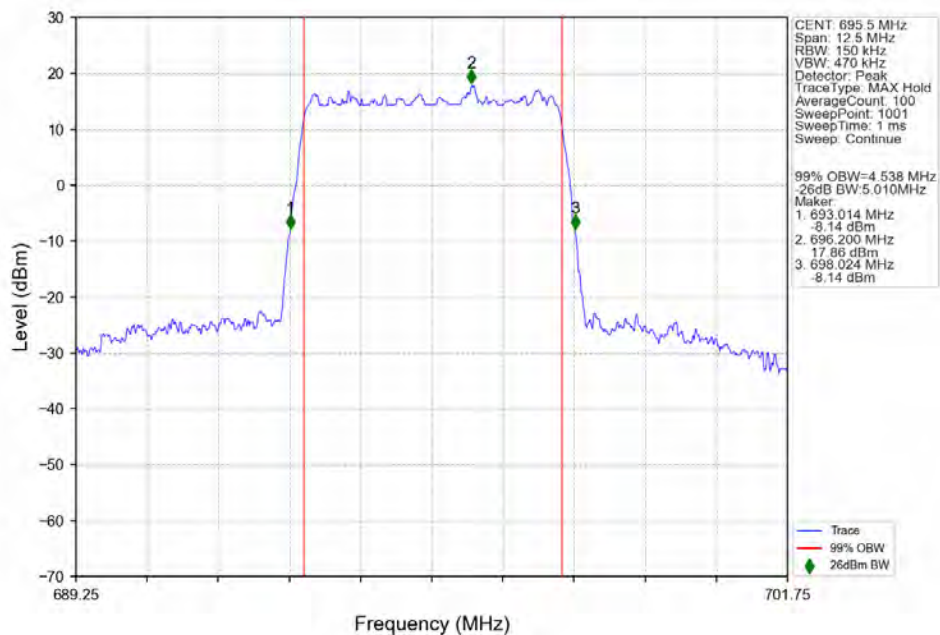
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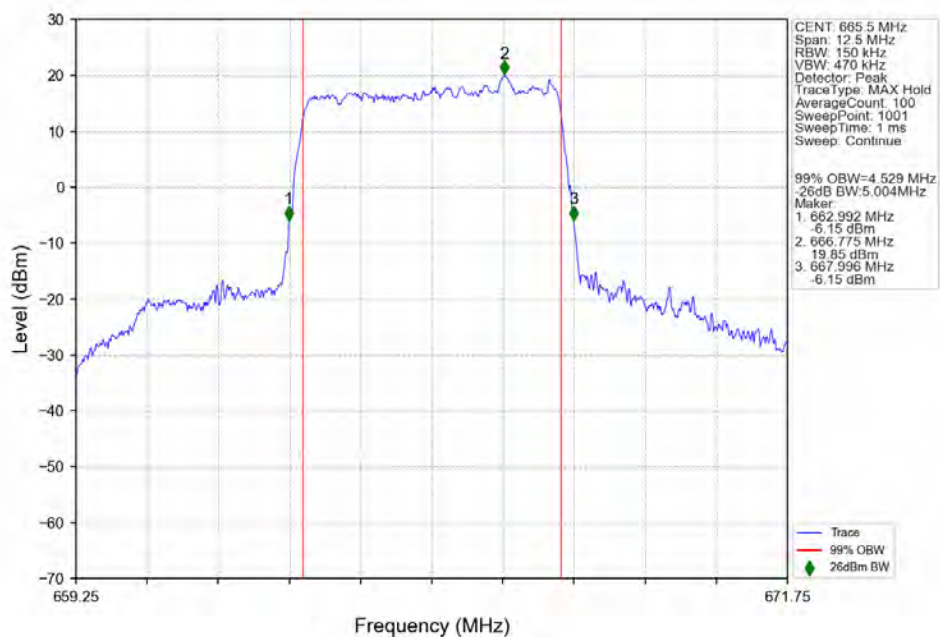
n71 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 680.5MHz Outer Full Ant1



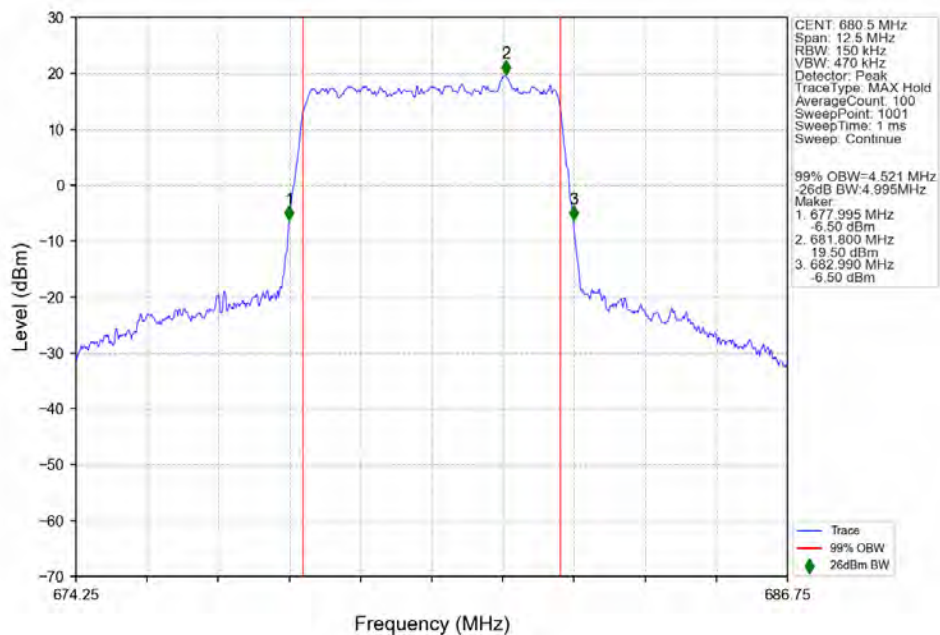
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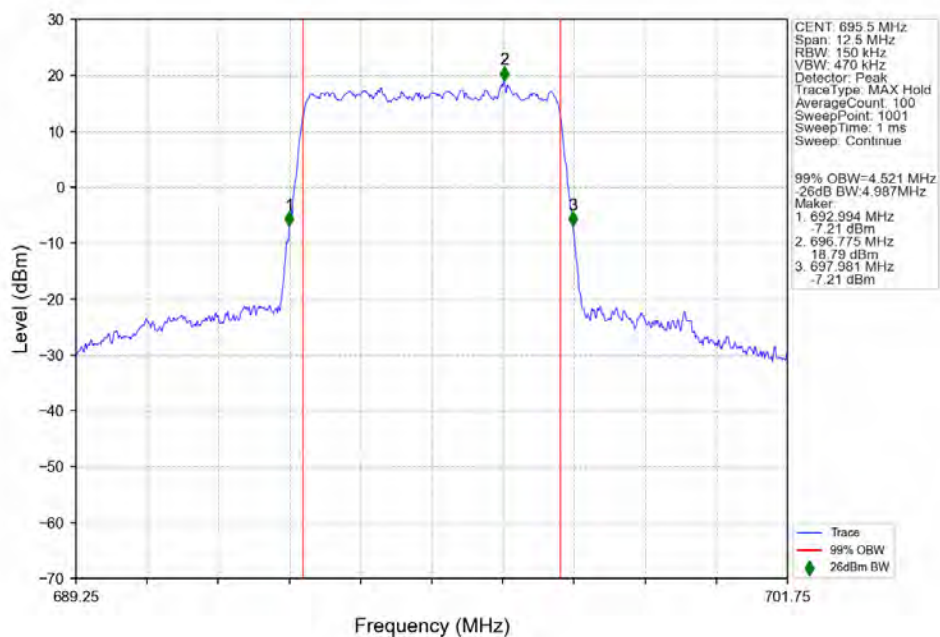
n71 15kHz SISO NTN 5MHz CP-OFDM QPSK 665.5MHz Outer Full Ant1



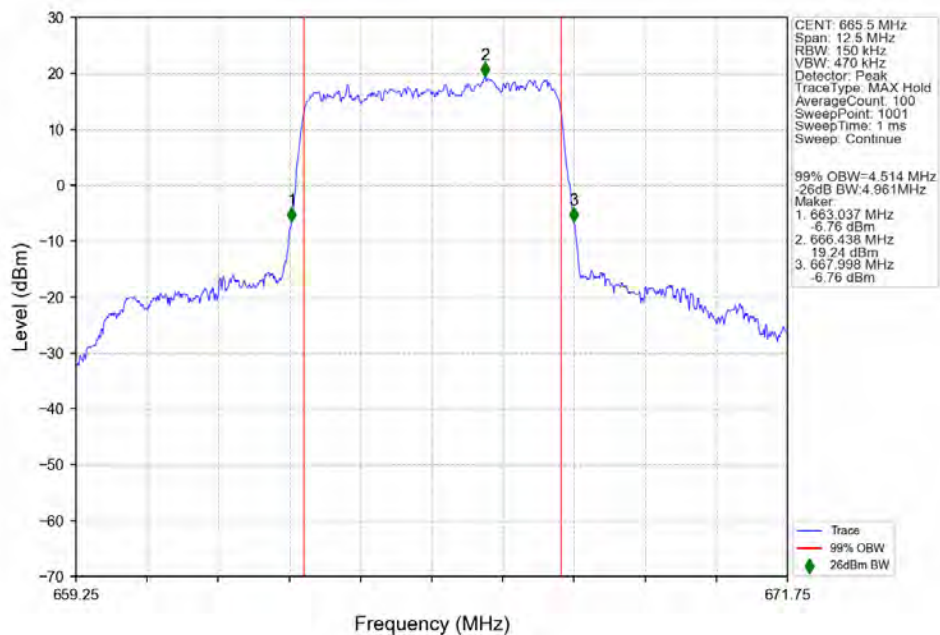
n71 15kHz SISO NTN 5MHz CP-OFDM QPSK 680.5MHz Outer Full Ant1



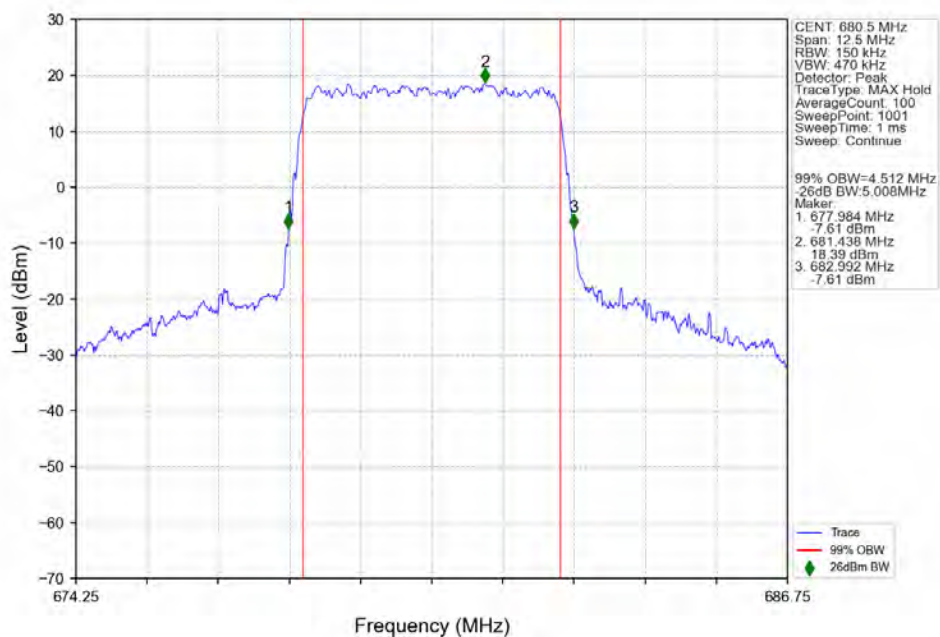
n71 15kHz SISO NTN 5MHz CP-OFDM QPSK 695.5MHz Outer Full Ant1



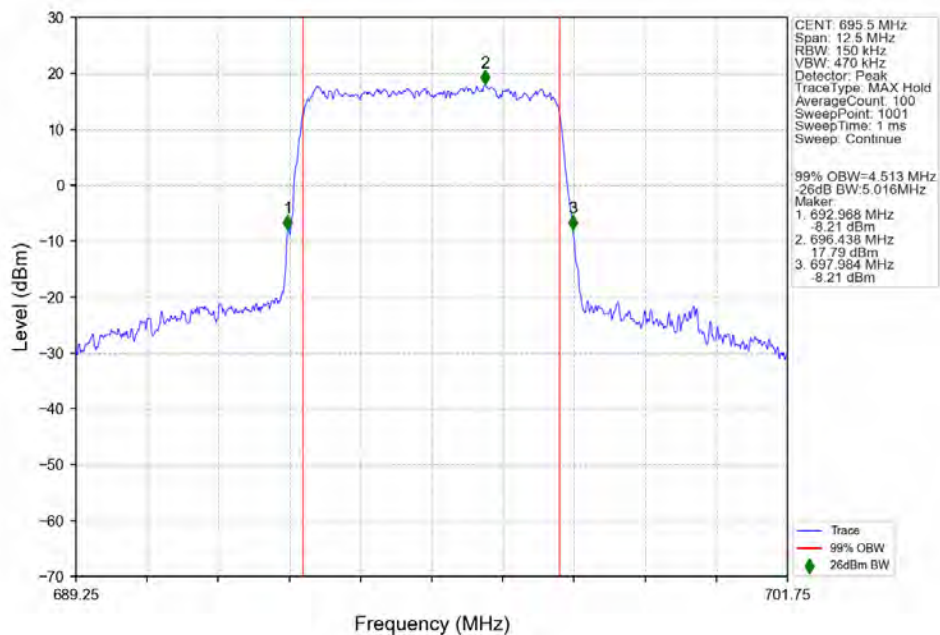
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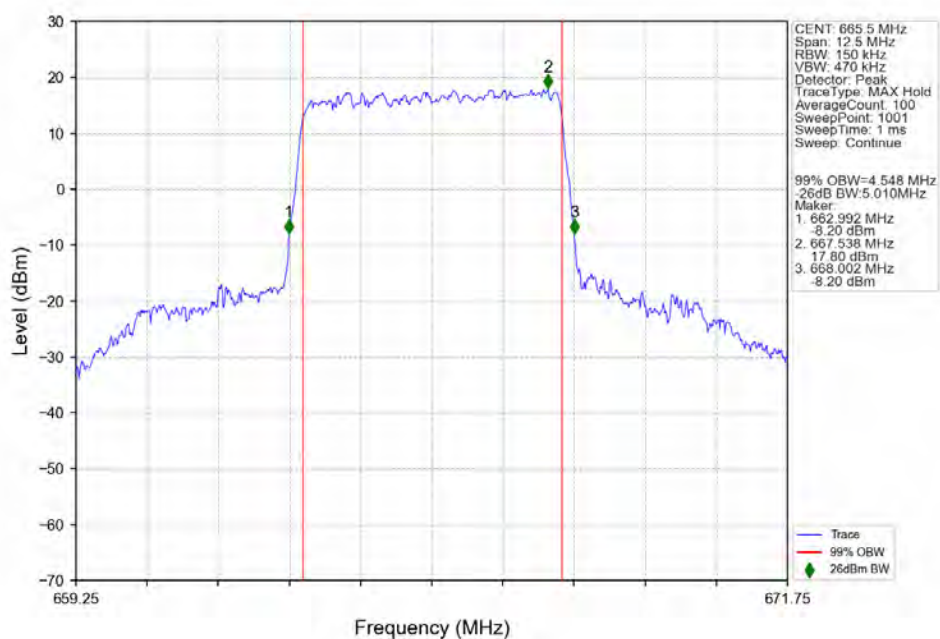
n71 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 680.5MHz Outer Full Ant1



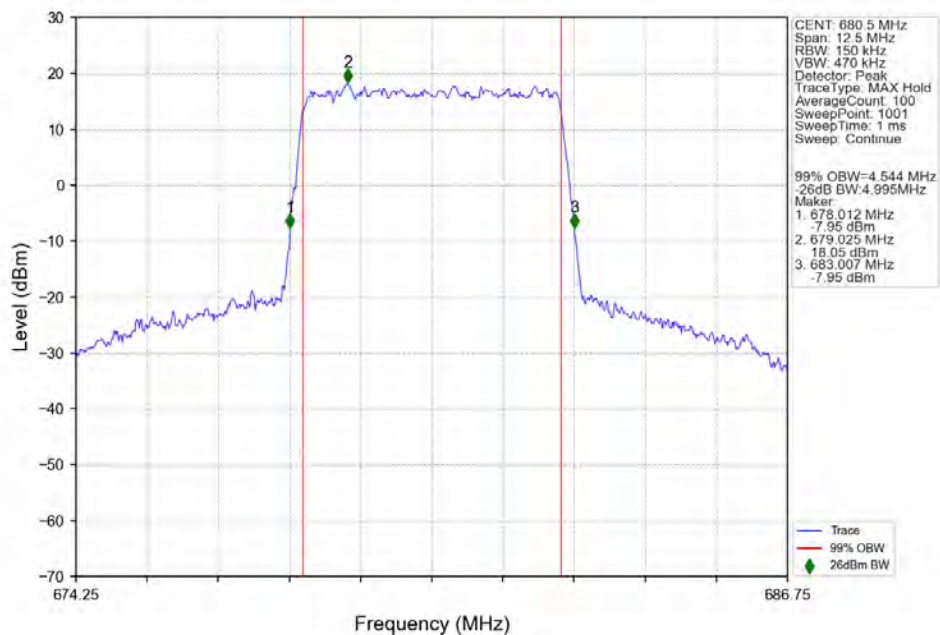
n71 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 695.5MHz Outer Full Ant1



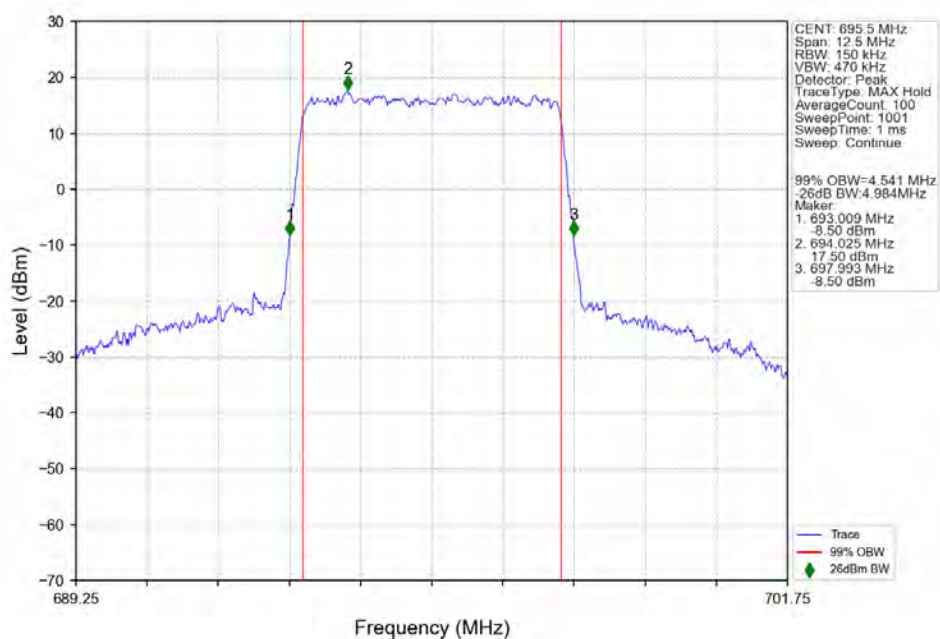
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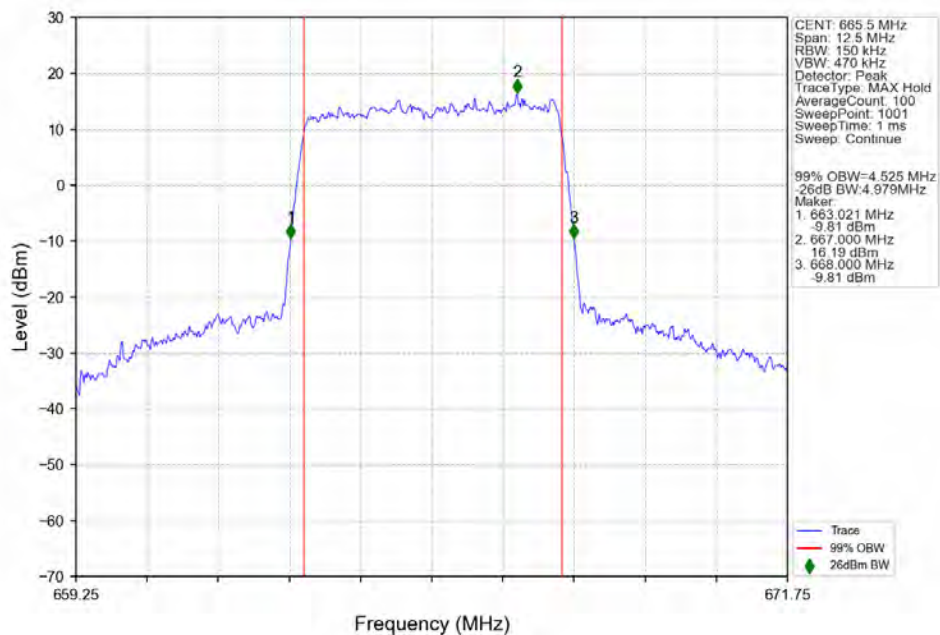
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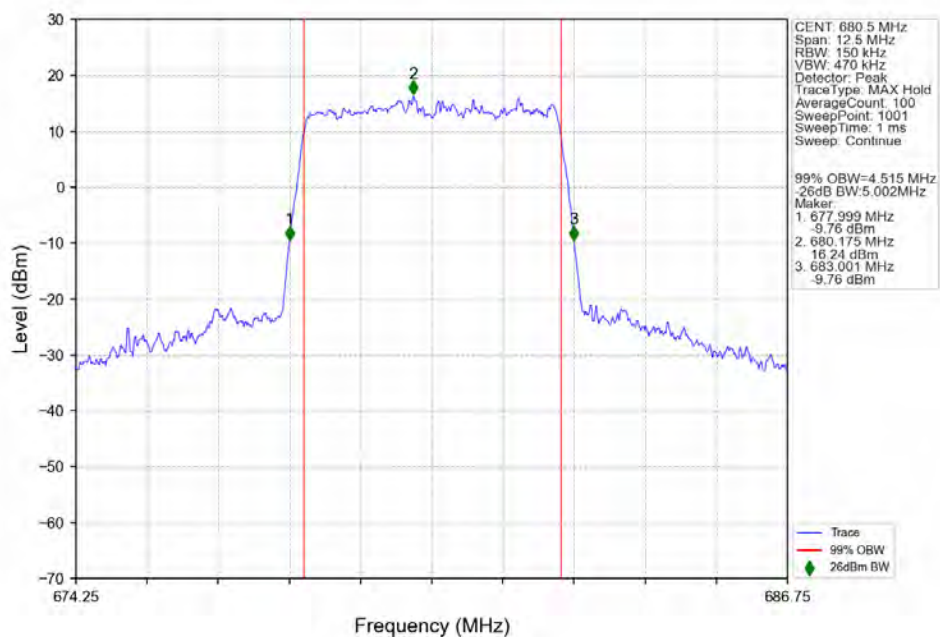
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n71 15kHz SISO NTV 5MHz CP-OFDM 256 QAM 665.5MHz Outer Full Ant1



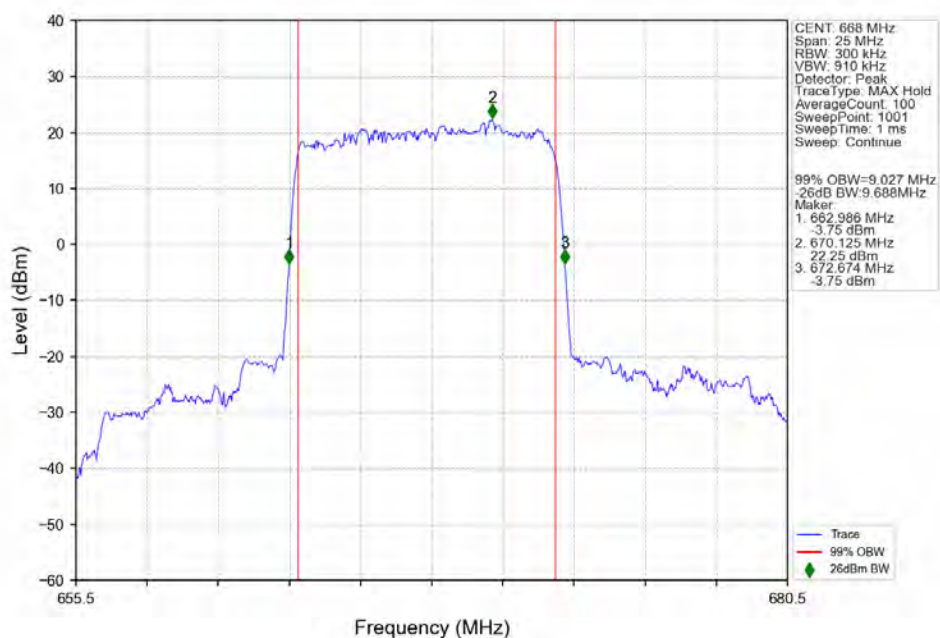
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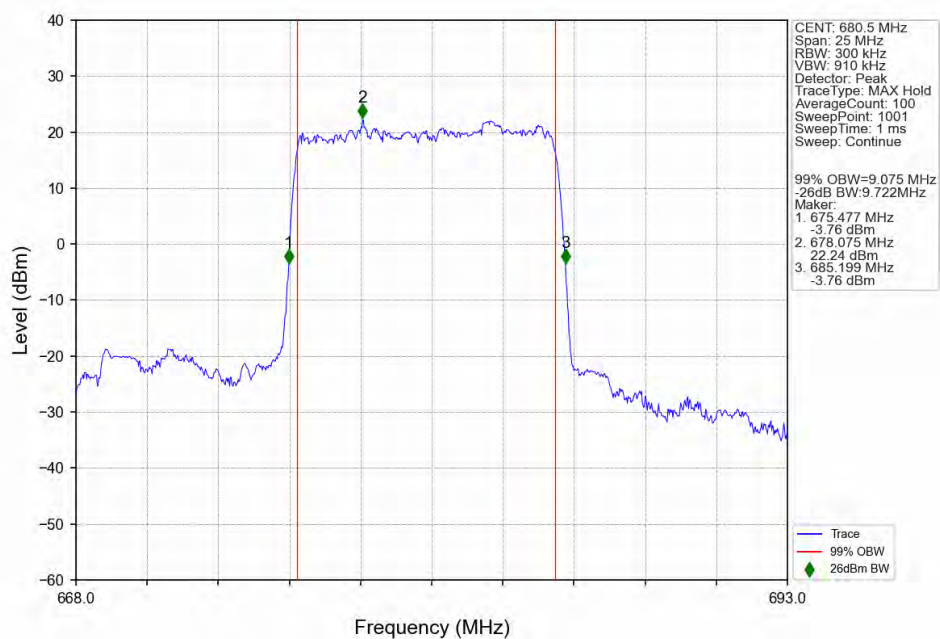


3.2.2 15k_SISO_10MHz_NTNV

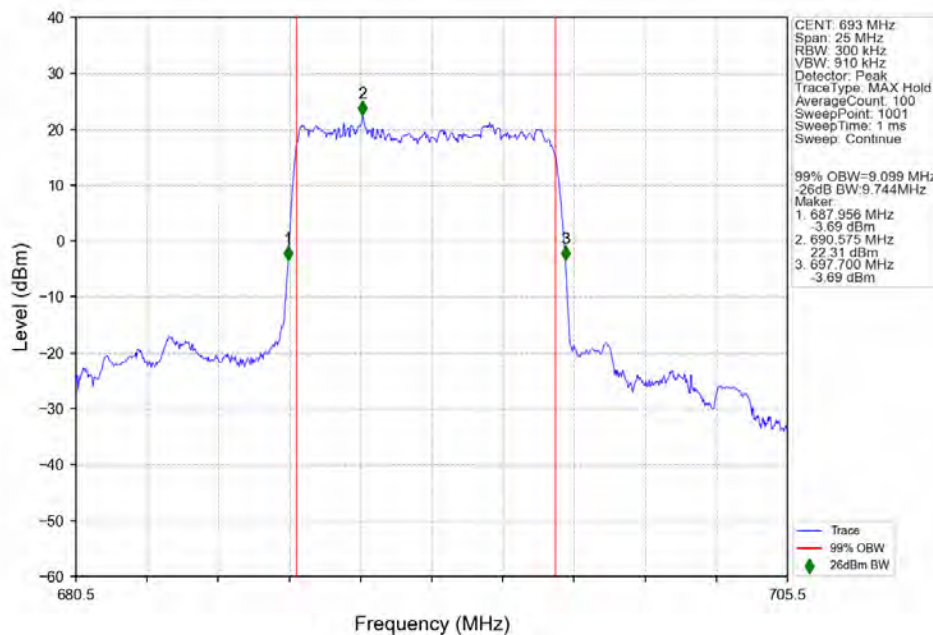
n71_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_668MHz_Outer_Full_Ant1



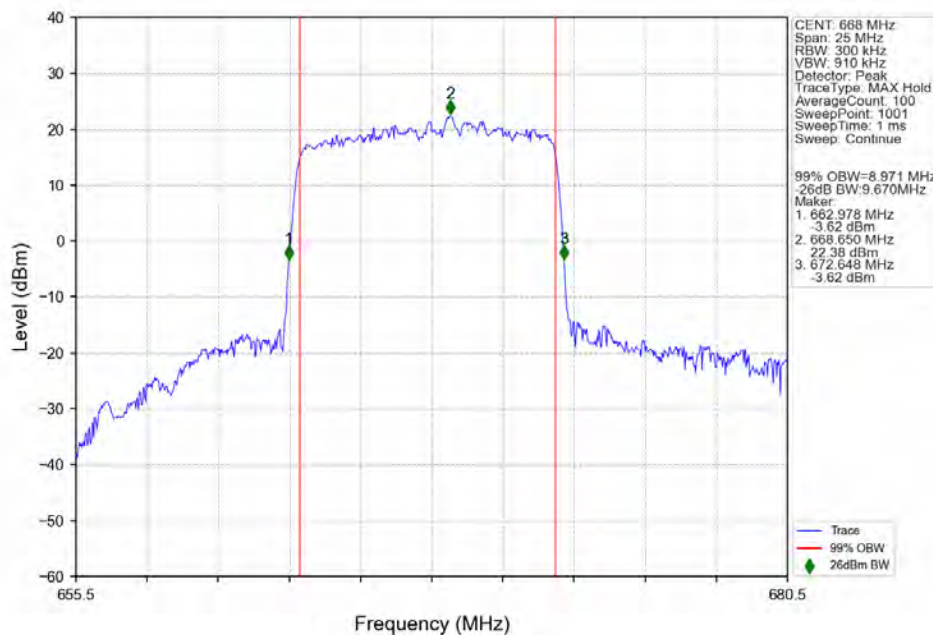
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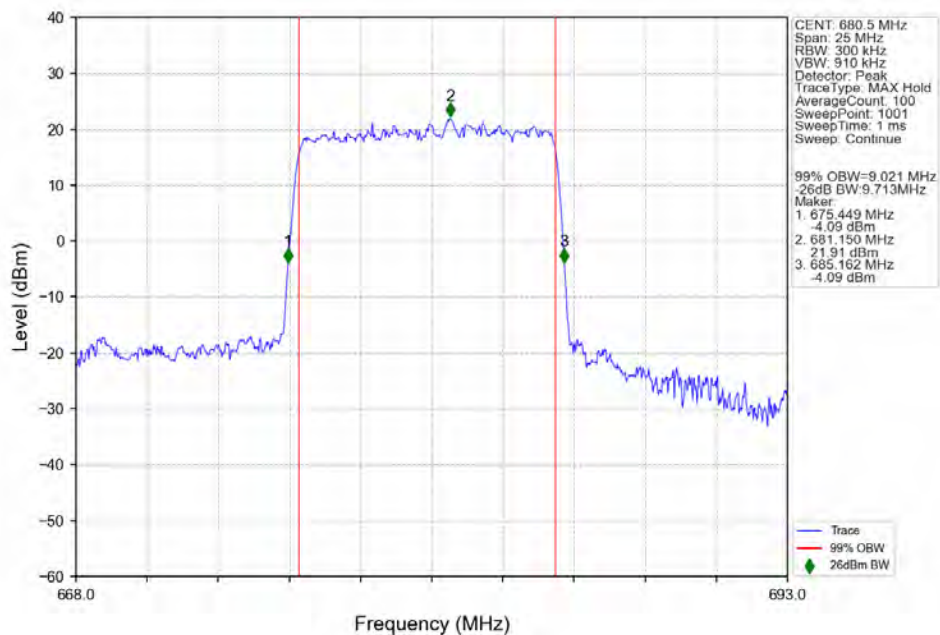
n71 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 693MHz Outer Full Ant1



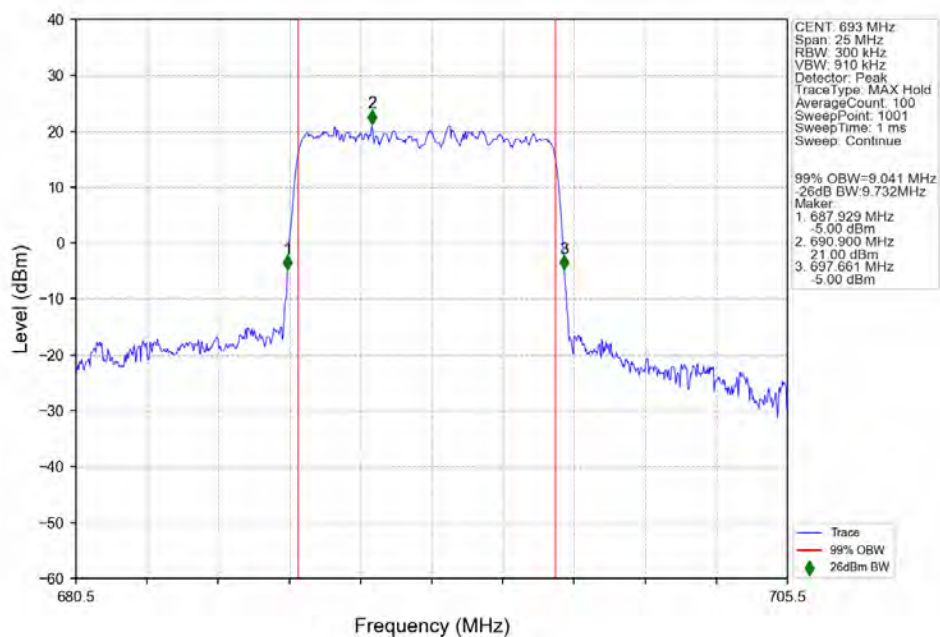
n71 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 668MHz Outer Full Ant1



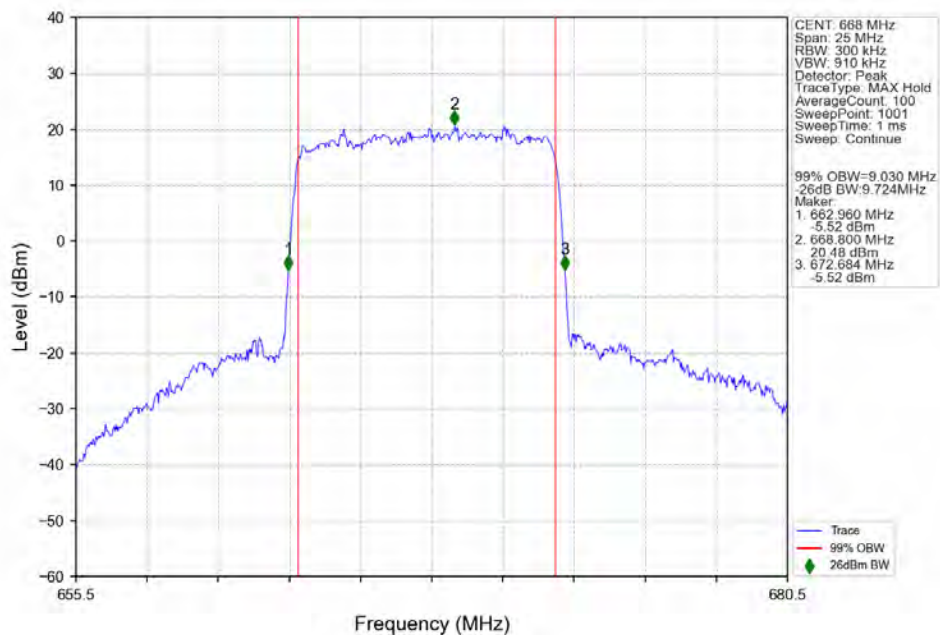
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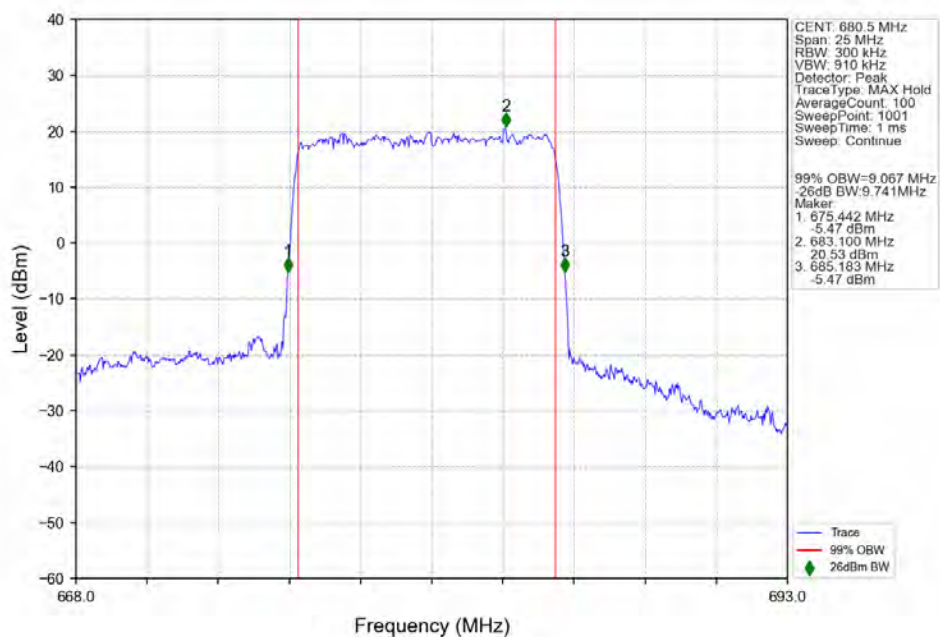
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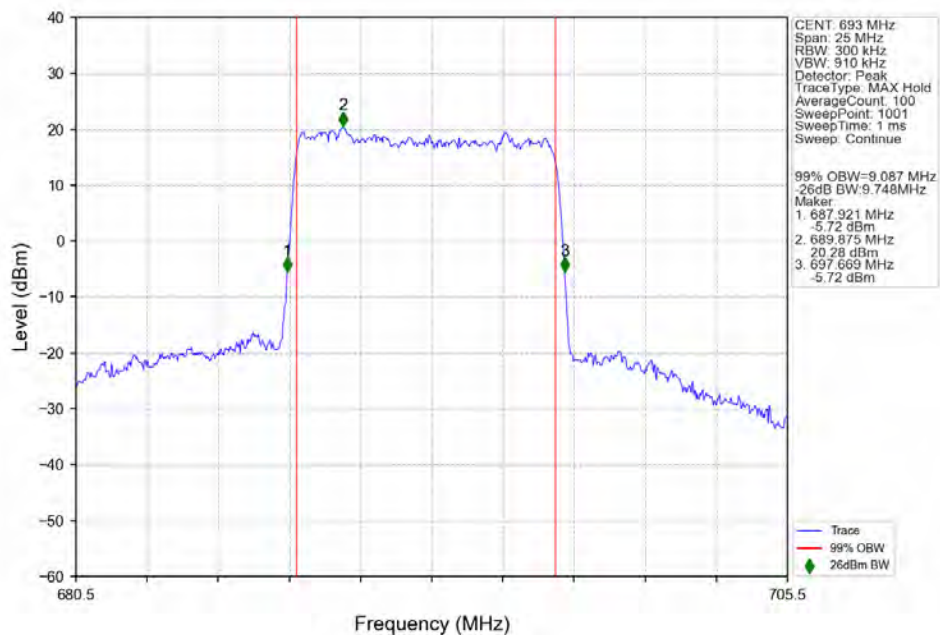
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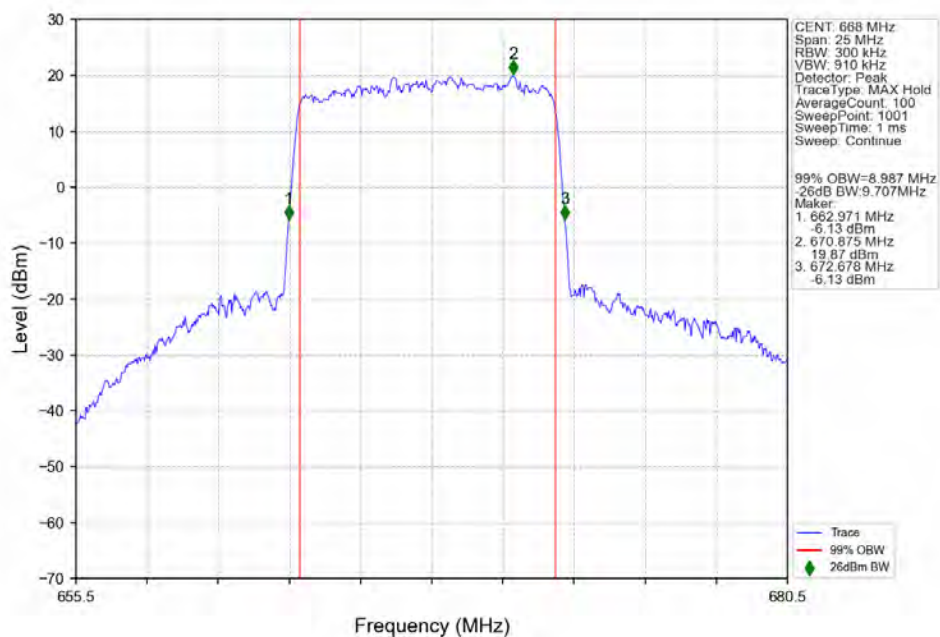
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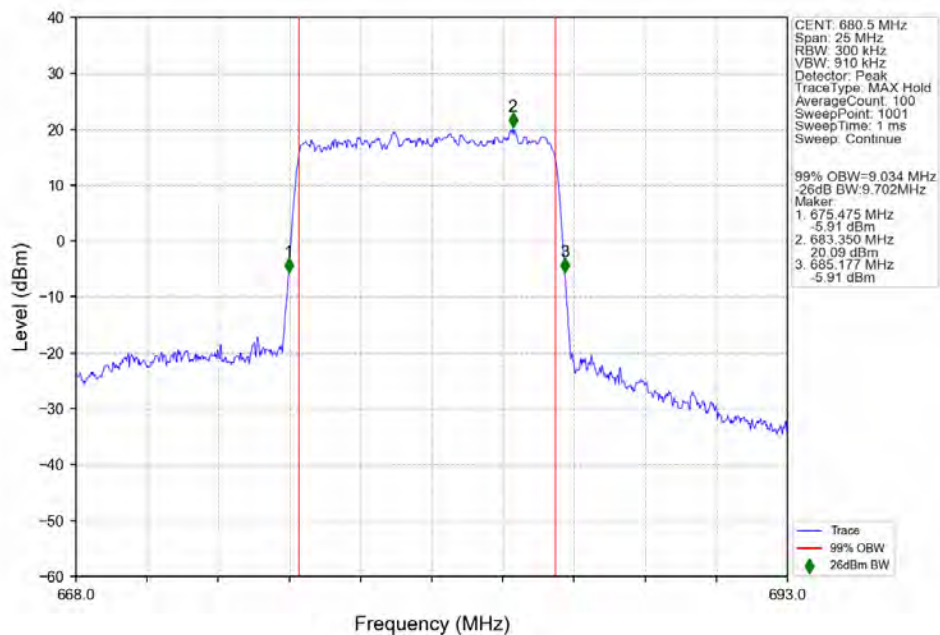
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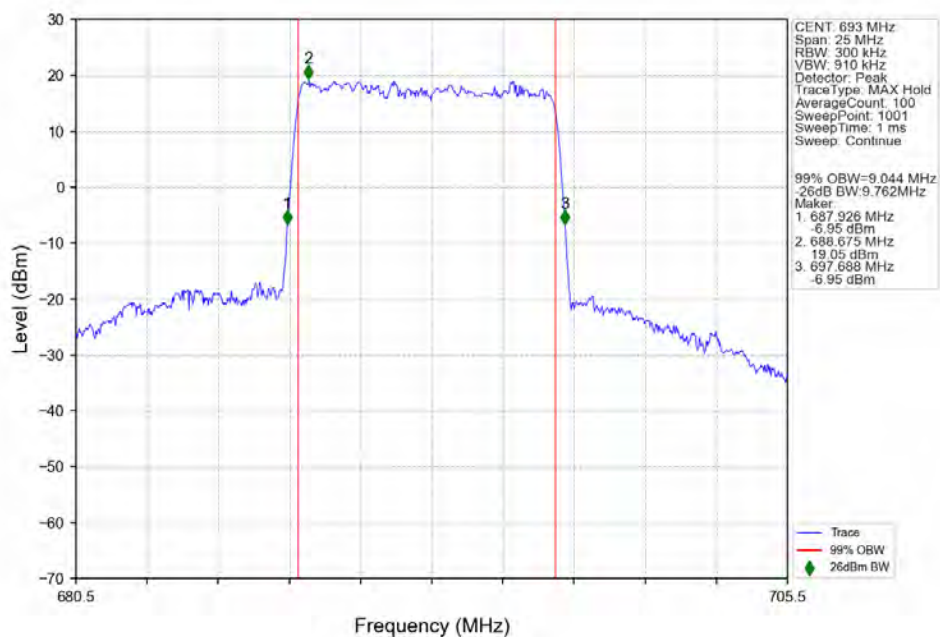
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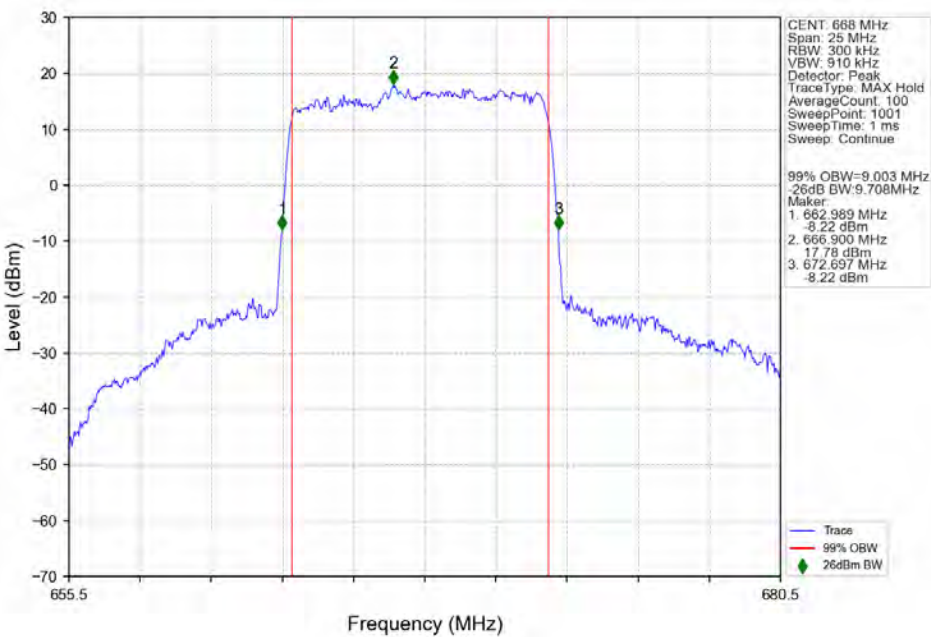
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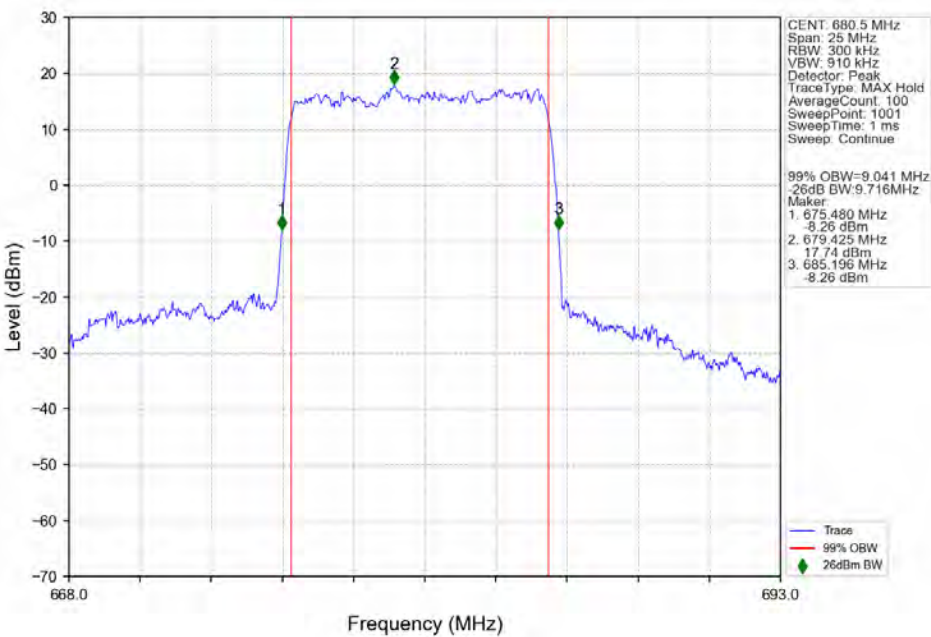
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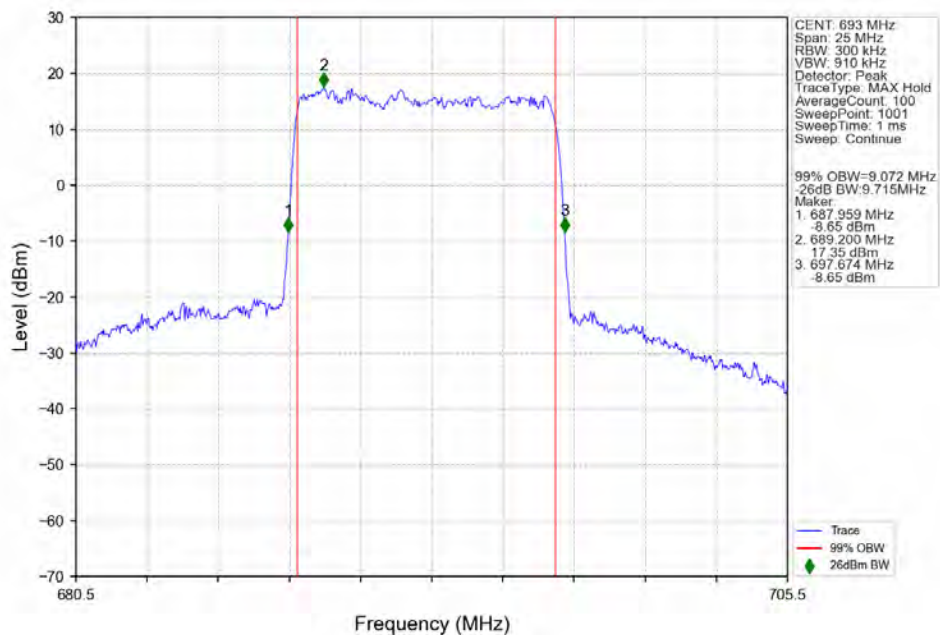
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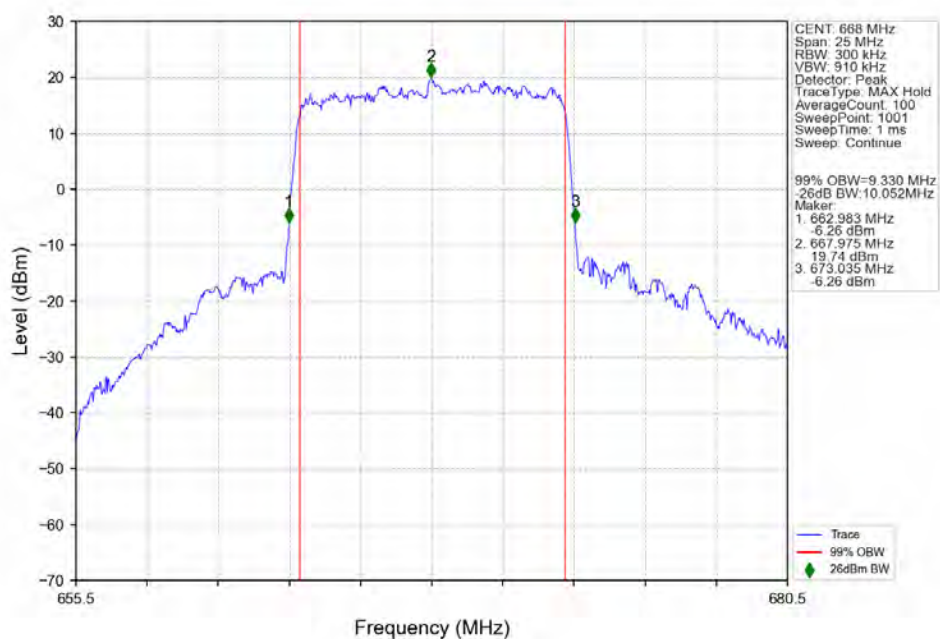
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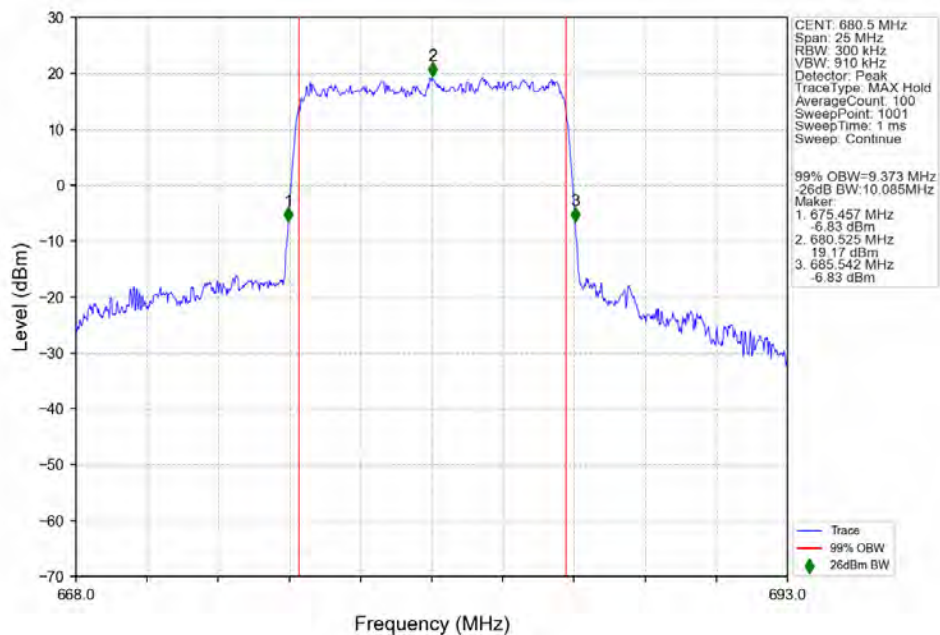
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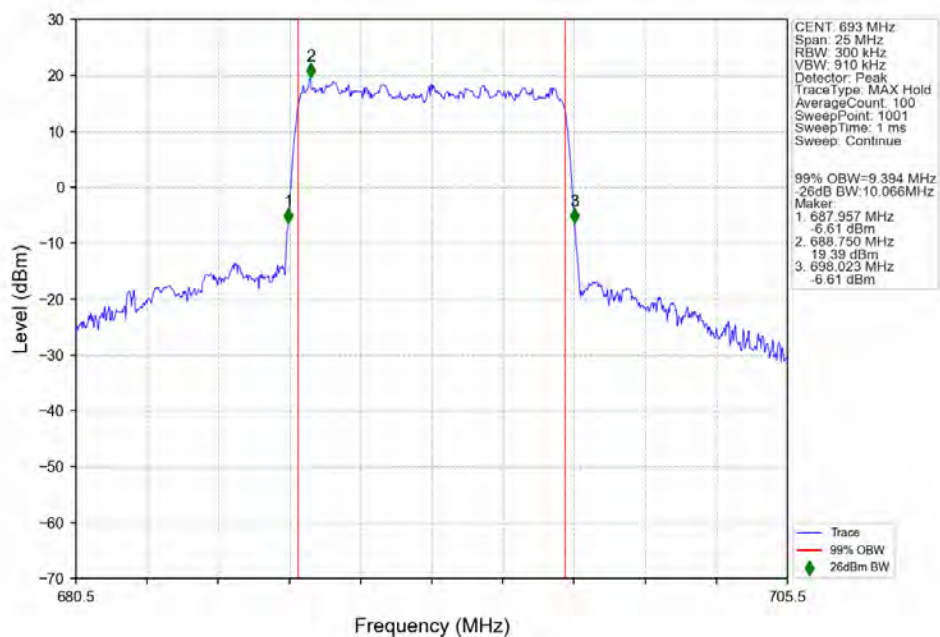
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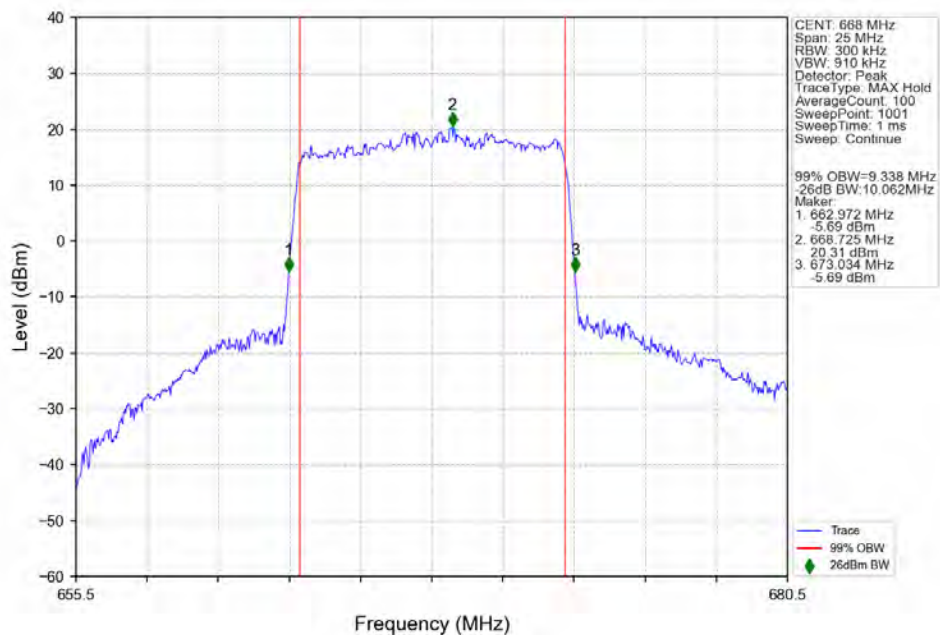
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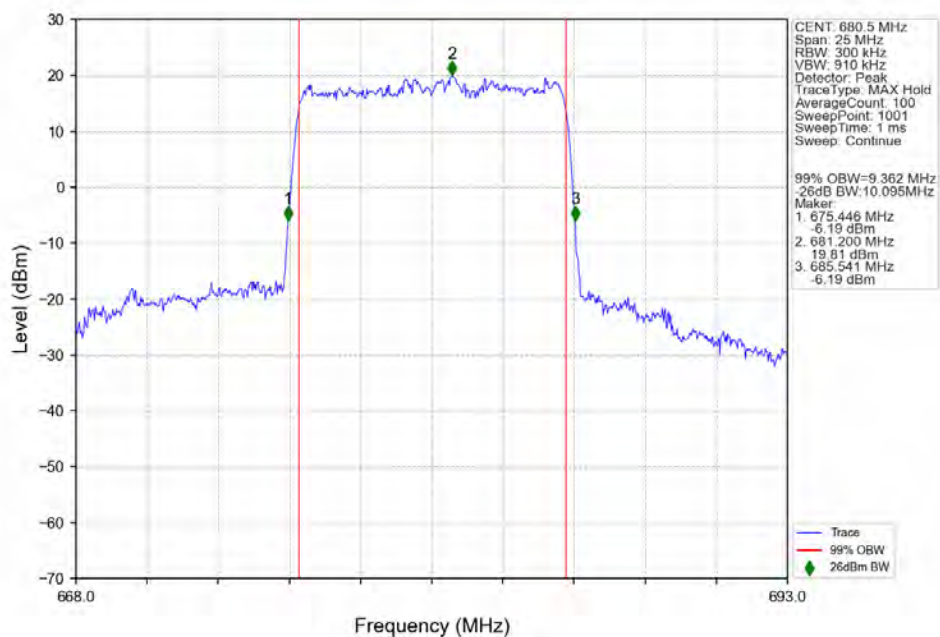
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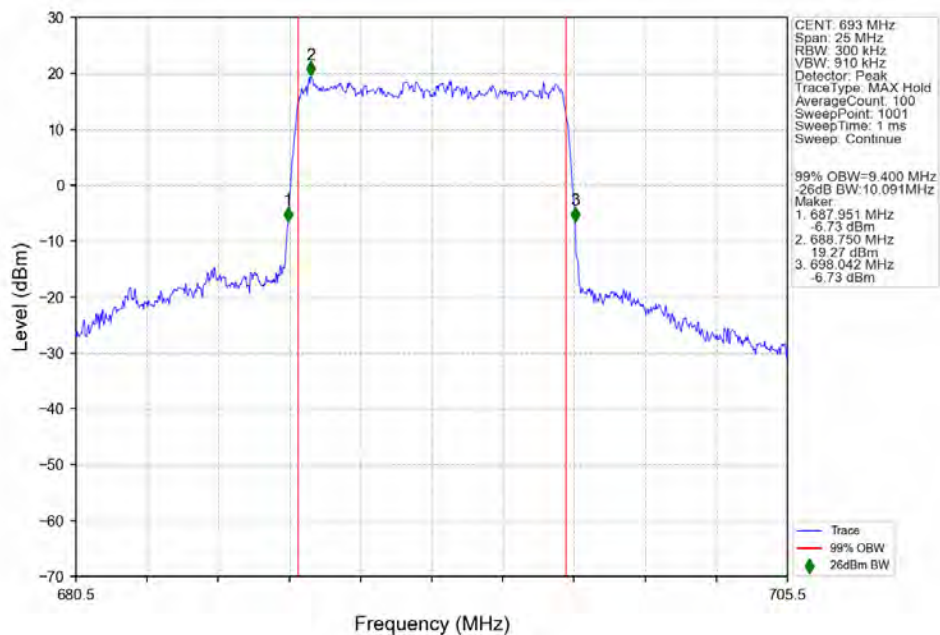
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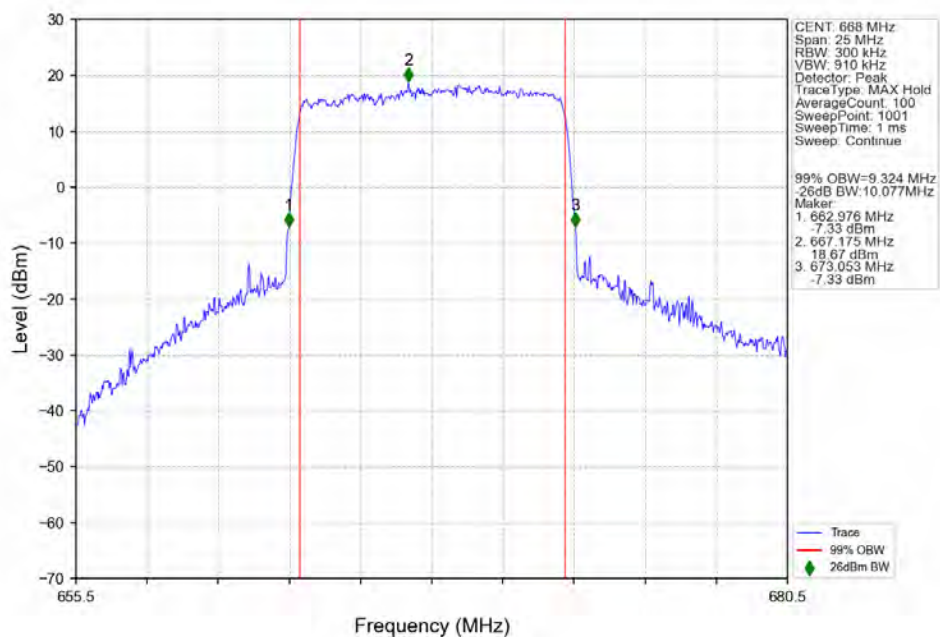
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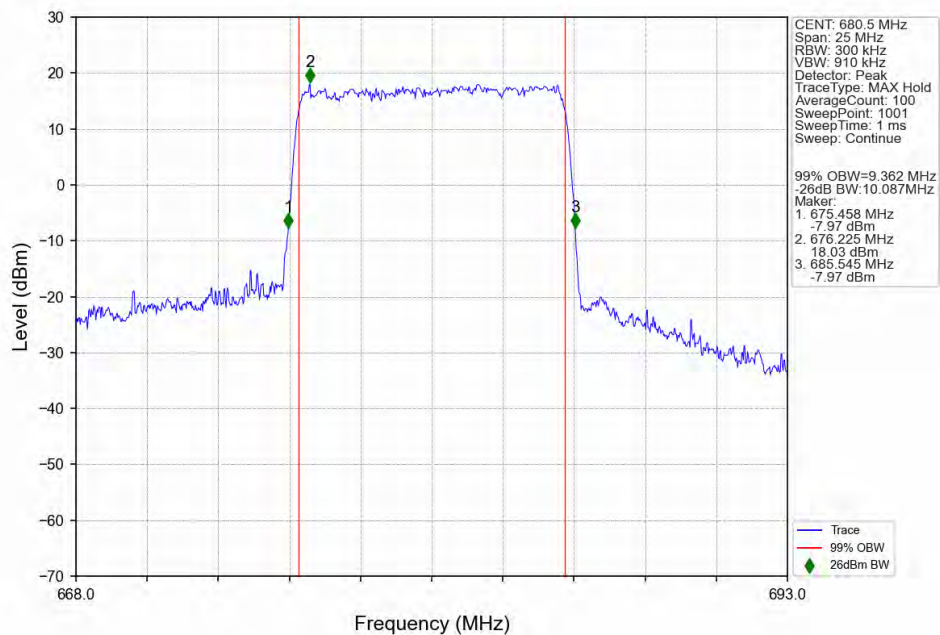
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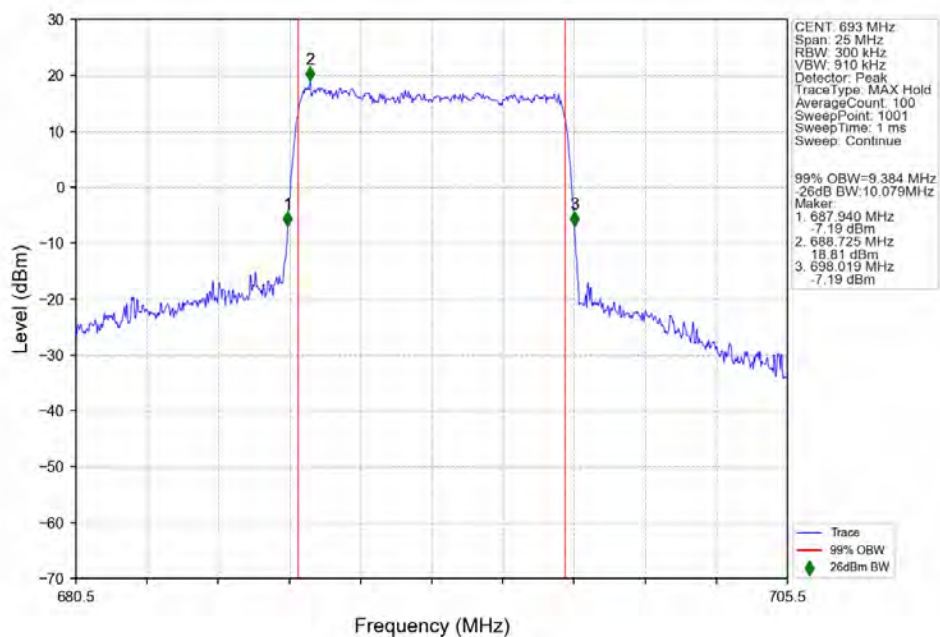
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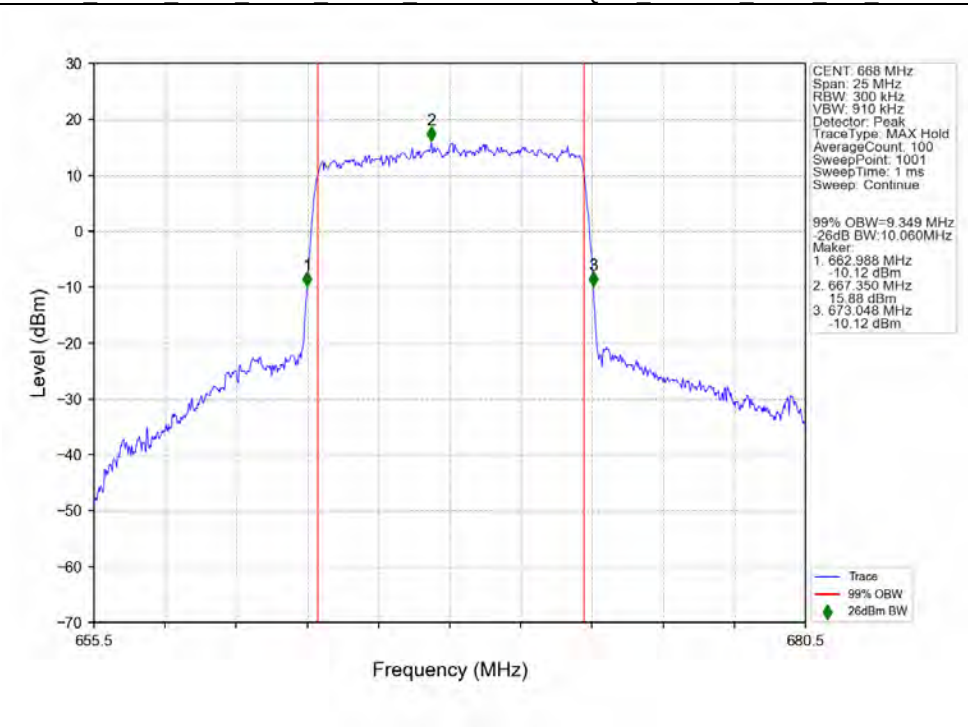
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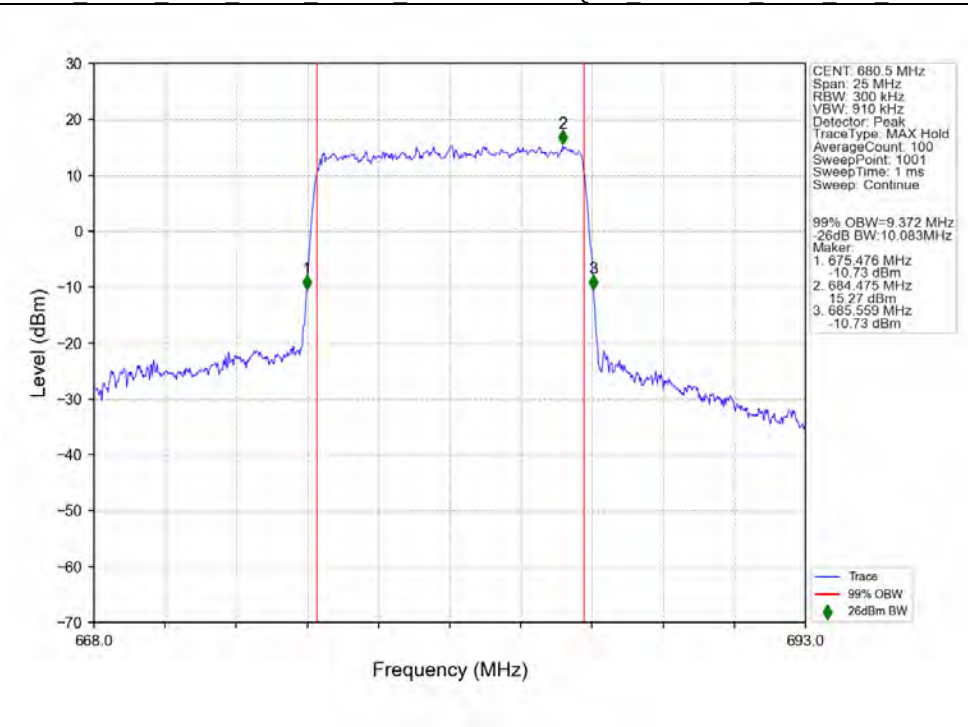
n71 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 693MHz Outer Full Ant1



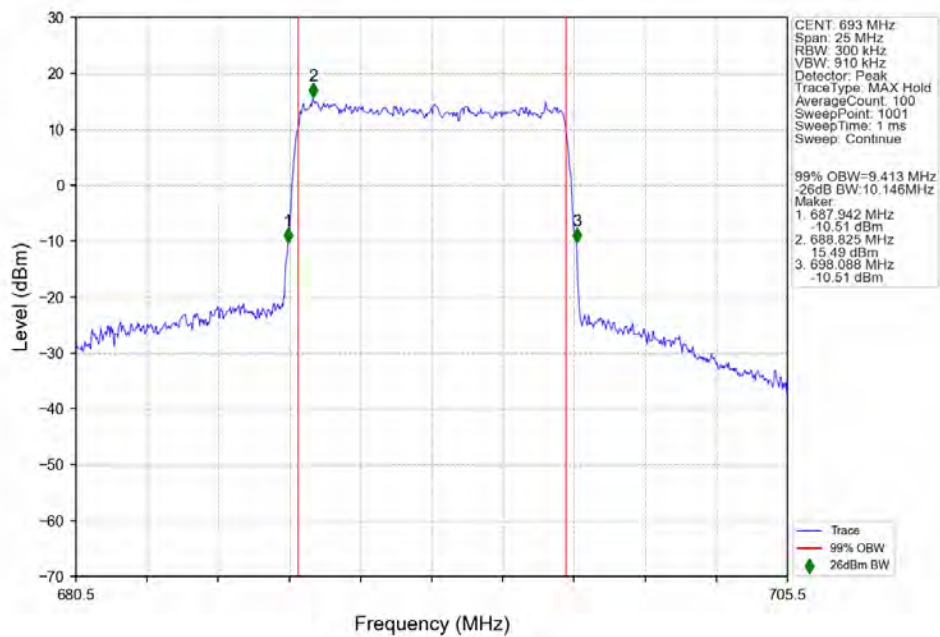
n71 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 668MHz Outer Full Ant1



n71 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 680.5MHz Outer Full Ant1

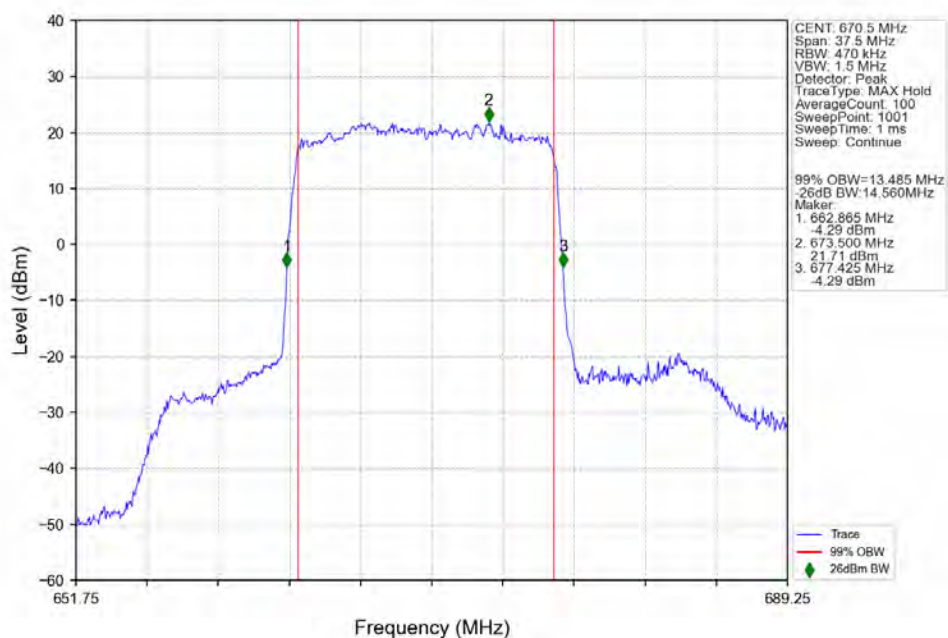


n71 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 693MHz Outer Full Ant1

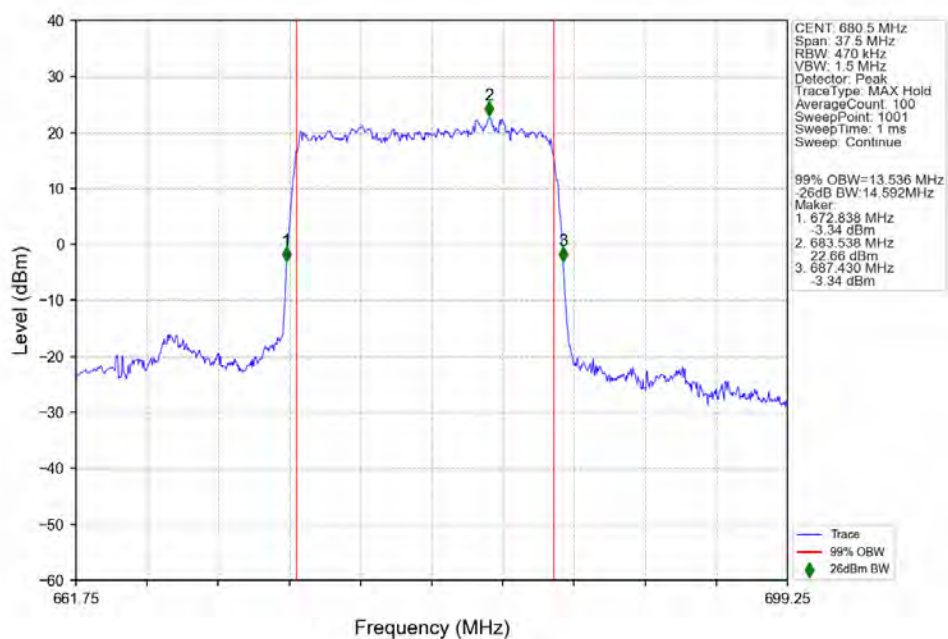


3.2.3 15k_SISO_15MHz_NTNV

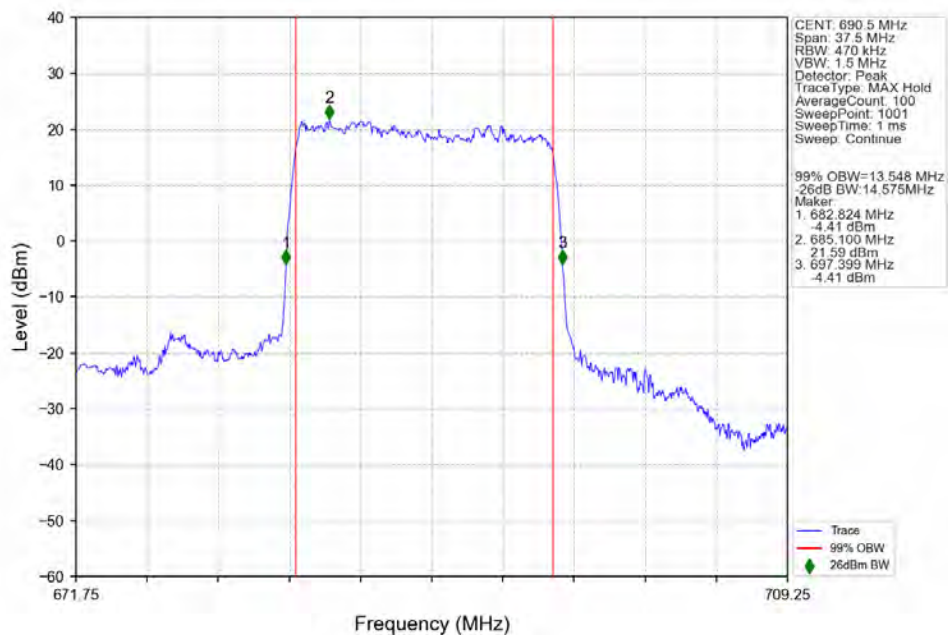
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_670.5MHz_Outer_Full_Ant1



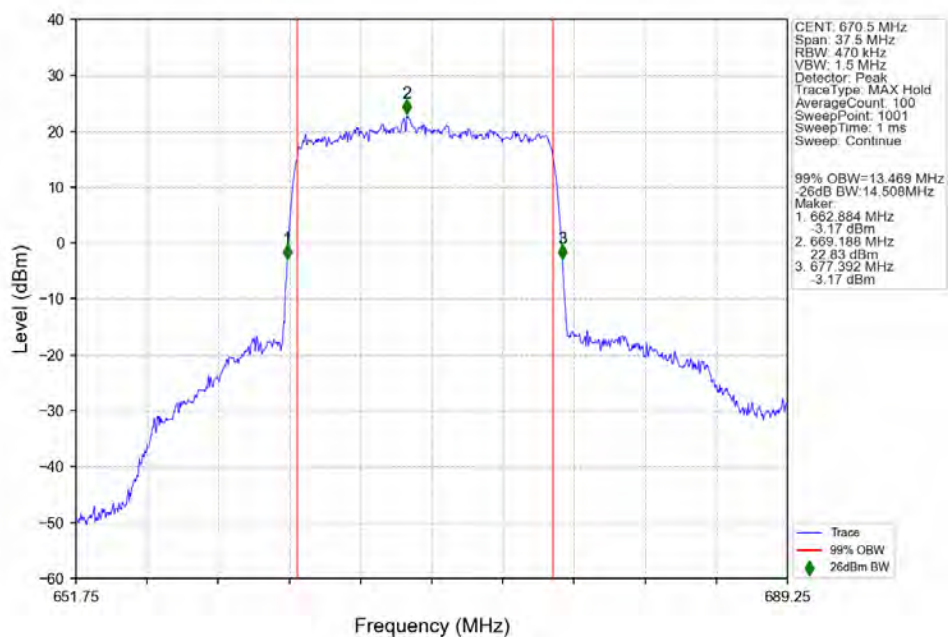
n71_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_680.5MHz_Outer_Full_Ant1



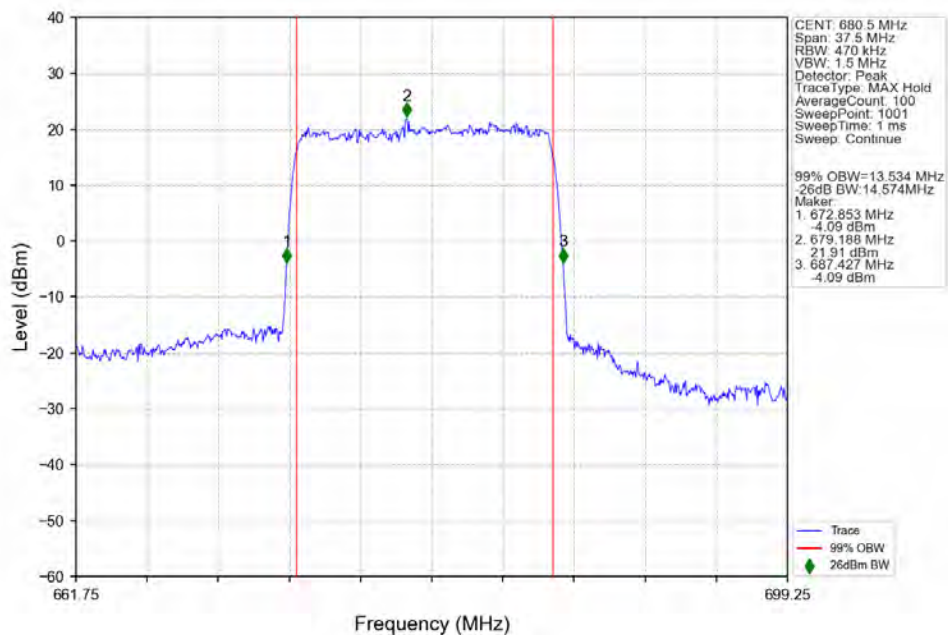
n71 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 690.5MHz Outer Full Ant1



n71 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 670.5MHz Outer Full Ant1



n71 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 680.5MHz Outer Full Ant1



n71 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 690.5MHz Outer Full Ant1

