

# Appendix C.8

## LTE Band n71



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Wireless Laboratory

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### 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	Edge_1RB_Left	23.75	/	/	22.49	/	/	<=34.77	Pass
		Edge_1RB_Right	23.68	/	/	22.42	/	/	<=34.77	Pass
		Outer_Full	23.58	/	/	22.32	/	/	<=34.77	Pass
		Inner_Full	23.61	/	/	22.35	/	/	<=34.77	Pass
		Inner_1RB_Left	23.70	/	/	22.44	/	/	<=34.77	Pass
		Inner_1RB_Right	23.55	/	/	22.29	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.58	/	/	22.32	/	/	<=34.77	Pass
		Edge_1RB_Right	23.50	/	/	22.24	/	/	<=34.77	Pass
		Outer_Full	23.60	/	/	22.34	/	/	<=34.77	Pass
		Inner_Full	23.67	/	/	22.41	/	/	<=34.77	Pass
		Inner_1RB_Left	23.54	/	/	22.28	/	/	<=34.77	Pass
		Inner_1RB_Right	23.40	/	/	22.14	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	23.80	/	/	22.54	/	/	<=34.77	Pass
		Edge_1RB_Right	23.48	/	/	22.22	/	/	<=34.77	Pass
		Outer_Full	23.67	/	/	22.41	/	/	<=34.77	Pass
		Inner_Full	23.63	/	/	22.37	/	/	<=34.77	Pass
		Inner_1RB_Left	23.75	/	/	22.49	/	/	<=34.77	Pass
		Inner_1RB_Right	23.53	/	/	22.27	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	665.5	Edge_1RB_Left	23.72	/	/	22.46	/	/	<=34.77	Pass
		Edge_1RB_Right	23.68	/	/	22.42	/	/	<=34.77	Pass
		Outer_Full	23.64	/	/	22.38	/	/	<=34.77	Pass
		Inner_Full	23.62	/	/	22.36	/	/	<=34.77	Pass
		Inner_1RB_Left	23.70	/	/	22.44	/	/	<=34.77	Pass
		Inner_1RB_Right	23.49	/	/	22.23	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.65	/	/	22.39	/	/	<=34.77	Pass
		Edge_1RB_Right	23.45	/	/	22.19	/	/	<=34.77	Pass
		Outer_Full	23.63	/	/	22.37	/	/	<=34.77	Pass
		Inner_Full	23.70	/	/	22.44	/	/	<=34.77	Pass



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		Inner_1RB_Left	23.60	/	/	22.34	/	/	<=34.77	Pass
		Inner_1RB_Right	23.28	/	/	22.02	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	23.79	/	/	22.53	/	/	<=34.77	Pass
		Edge_1RB_Right	23.37	/	/	22.11	/	/	<=34.77	Pass
		Outer_Full	23.69	/	/	22.43	/	/	<=34.77	Pass
		Inner_Full	23.69	/	/	22.43	/	/	<=34.77	Pass
		Inner_1RB_Left	23.79	/	/	22.53	/	/	<=34.77	Pass
		Inner_1RB_Right	23.59	/	/	22.33	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	665.5	Edge_1RB_Left	22.84	/	/	21.58	/	/	<=34.77	Pass
		Edge_1RB_Right	22.58	/	/	21.32	/	/	<=34.77	Pass
		Outer_Full	22.59	/	/	21.33	/	/	<=34.77	Pass
		Inner_Full	23.61	/	/	22.35	/	/	<=34.77	Pass
		Inner_1RB_Left	23.87	/	/	22.61	/	/	<=34.77	Pass
		Inner_1RB_Right	23.68	/	/	22.42	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.61	/	/	21.35	/	/	<=34.77	Pass
		Edge_1RB_Right	22.31	/	/	21.05	/	/	<=34.77	Pass
		Outer_Full	22.56	/	/	21.3	/	/	<=34.77	Pass
		Inner_Full	23.62	/	/	22.36	/	/	<=34.77	Pass
		Inner_1RB_Left	23.51	/	/	22.25	/	/	<=34.77	Pass
		Inner_1RB_Right	23.33	/	/	22.07	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	22.65	/	/	21.39	/	/	<=34.77	Pass
		Edge_1RB_Right	22.44	/	/	21.18	/	/	<=34.77	Pass
		Outer_Full	22.64	/	/	21.38	/	/	<=34.77	Pass
		Inner_Full	23.68	/	/	22.42	/	/	<=34.77	Pass
		Inner_1RB_Left	23.56	/	/	22.3	/	/	<=34.77	Pass
		Inner_1RB_Right	23.42	/	/	22.16	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	665.5	Edge_1RB_Left	22.44	/	/	21.18	/	/	<=34.77	Pass
		Edge_1RB_Right	21.92	/	/	20.66	/	/	<=34.77	Pass
		Outer_Full	22.10	/	/	20.84	/	/	<=34.77	Pass
		Inner_Full	22.10	/	/	20.84	/	/	<=34.77	Pass
		Inner_1RB_Left	22.02	/	/	20.76	/	/	<=34.77	Pass
		Inner_1RB_Right	21.88	/	/	20.62	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.24	/	/	20.98	/	/	<=34.77	Pass
		Edge_1RB_Right	21.79	/	/	20.53	/	/	<=34.77	Pass
		Outer_Full	22.09	/	/	20.83	/	/	<=34.77	Pass
		Inner_Full	22.10	/	/	20.84	/	/	<=34.77	Pass
		Inner_1RB_Left	22.20	/	/	20.94	/	/	<=34.77	Pass



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	695.5	Inner_1RB_Right	21.69	/	/	20.43	/	/	<=34.77	Pass
		Edge_1RB_Left	22.18	/	/	20.92	/	/	<=34.77	Pass
		Edge_1RB_Right	21.98	/	/	20.72	/	/	<=34.77	Pass
		Outer_Full	22.04	/	/	20.78	/	/	<=34.77	Pass
		Inner_Full	22.09	/	/	20.83	/	/	<=34.77	Pass
		Inner_1RB_Left	22.23	/	/	20.97	/	/	<=34.77	Pass
		Inner_1RB_Right	22.07	/	/	20.81	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	665.5	Edge_1RB_Left	20.22	/	/	18.96	/	/	<=34.77	Pass
		Edge_1RB_Right	20.26	/	/	19	/	/	<=34.77	Pass
		Outer_Full	20.11	/	/	18.85	/	/	<=34.77	Pass
		Inner_Full	20.24	/	/	18.98	/	/	<=34.77	Pass
		Inner_1RB_Left	20.34	/	/	19.08	/	/	<=34.77	Pass
		Inner_1RB_Right	20.05	/	/	18.79	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.05	/	/	18.79	/	/	<=34.77	Pass
		Edge_1RB_Right	20.05	/	/	18.79	/	/	<=34.77	Pass
		Outer_Full	20.14	/	/	18.88	/	/	<=34.77	Pass
		Inner_Full	20.12	/	/	18.86	/	/	<=34.77	Pass
		Inner_1RB_Left	19.86	/	/	18.6	/	/	<=34.77	Pass
		Inner_1RB_Right	19.75	/	/	18.49	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	20.43	/	/	19.17	/	/	<=34.77	Pass
		Edge_1RB_Right	20.14	/	/	18.88	/	/	<=34.77	Pass
		Outer_Full	20.15	/	/	18.89	/	/	<=34.77	Pass
		Inner_Full	20.21	/	/	18.95	/	/	<=34.77	Pass
		Inner_1RB_Left	20.04	/	/	18.78	/	/	<=34.77	Pass
		Inner_1RB_Right	19.59	/	/	18.33	/	/	<=34.77	Pass
CP-OFDM QPSK	665.5	Edge_1RB_Left	21.68	/	/	20.42	/	/	<=34.77	Pass
		Edge_1RB_Right	21.59	/	/	20.33	/	/	<=34.77	Pass
		Outer_Full	21.65	/	/	20.39	/	/	<=34.77	Pass
		Inner_Full	23.03	/	/	21.77	/	/	<=34.77	Pass
		Inner_1RB_Left	23.12	/	/	21.86	/	/	<=34.77	Pass
		Inner_1RB_Right	23.04	/	/	21.78	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.52	/	/	20.26	/	/	<=34.77	Pass
		Edge_1RB_Right	21.34	/	/	20.08	/	/	<=34.77	Pass
		Outer_Full	21.50	/	/	20.24	/	/	<=34.77	Pass
		Inner_Full	22.98	/	/	21.72	/	/	<=34.77	Pass
		Inner_1RB_Left	23.02	/	/	21.76	/	/	<=34.77	Pass
		Inner_1RB_Right	22.69	/	/	21.43	/	/	<=34.77	Pass



	695.5	Edge_1RB_Left	21.69	/	/	20.43	/	/	<=34.77	Pass
		Edge_1RB_Right	21.44	/	/	20.18	/	/	<=34.77	Pass
		Outer_Full	21.68	/	/	20.42	/	/	<=34.77	Pass
		Inner_Full	23.10	/	/	21.84	/	/	<=34.77	Pass
		Inner_1RB_Left	23.22	/	/	21.96	/	/	<=34.77	Pass
		Inner_1RB_Right	23.02	/	/	21.76	/	/	<=34.77	Pass
CP-OFDM 16 QAM	665.5	Edge_1RB_Left	21.78	/	/	20.52	/	/	<=34.77	Pass
		Edge_1RB_Right	21.55	/	/	20.29	/	/	<=34.77	Pass
		Outer_Full	21.70	/	/	20.44	/	/	<=34.77	Pass
		Inner_Full	22.72	/	/	21.46	/	/	<=34.77	Pass
		Inner_1RB_Left	22.90	/	/	21.64	/	/	<=34.77	Pass
		Inner_1RB_Right	22.67	/	/	21.41	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.47	/	/	20.21	/	/	<=34.77	Pass
		Edge_1RB_Right	21.56	/	/	20.3	/	/	<=34.77	Pass
		Outer_Full	21.50	/	/	20.24	/	/	<=34.77	Pass
		Inner_Full	22.58	/	/	21.32	/	/	<=34.77	Pass
		Inner_1RB_Left	22.29	/	/	21.03	/	/	<=34.77	Pass
		Inner_1RB_Right	22.44	/	/	21.18	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	21.54	/	/	20.28	/	/	<=34.77	Pass
		Edge_1RB_Right	21.47	/	/	20.21	/	/	<=34.77	Pass
		Outer_Full	21.64	/	/	20.38	/	/	<=34.77	Pass
		Inner_Full	22.63	/	/	21.37	/	/	<=34.77	Pass
		Inner_1RB_Left	22.47	/	/	21.21	/	/	<=34.77	Pass
		Inner_1RB_Right	22.32	/	/	21.06	/	/	<=34.77	Pass
CP-OFDM 64 QAM	665.5	Edge_1RB_Left	21.32	/	/	20.06	/	/	<=34.77	Pass
		Edge_1RB_Right	21.07	/	/	19.81	/	/	<=34.77	Pass
		Outer_Full	21.12	/	/	19.86	/	/	<=34.77	Pass
		Inner_Full	21.03	/	/	19.77	/	/	<=34.77	Pass
		Inner_1RB_Left	21.41	/	/	20.15	/	/	<=34.77	Pass
		Inner_1RB_Right	21.06	/	/	19.8	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.93	/	/	19.67	/	/	<=34.77	Pass
		Edge_1RB_Right	21.00	/	/	19.74	/	/	<=34.77	Pass
		Outer_Full	20.95	/	/	19.69	/	/	<=34.77	Pass
		Inner_Full	21.02	/	/	19.76	/	/	<=34.77	Pass
		Inner_1RB_Left	21.08	/	/	19.82	/	/	<=34.77	Pass
		Inner_1RB_Right	20.93	/	/	19.67	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	21.12	/	/	19.86	/	/	<=34.77	Pass





		Edge_1RB_Right	20.93	/	/	19.67	/	/	<=34.77	Pass
		Outer_Full	21.06	/	/	19.8	/	/	<=34.77	Pass
		Inner_Full	21.20	/	/	19.94	/	/	<=34.77	Pass
		Inner_1RB_Left	21.14	/	/	19.88	/	/	<=34.77	Pass
		Inner_1RB_Right	20.87	/	/	19.61	/	/	<=34.77	Pass
CP-OFDM 256 QAM	665.5	Edge_1RB_Left	18.27	/	/	17.01	/	/	<=34.77	Pass
		Edge_1RB_Right	18.21	/	/	16.95	/	/	<=34.77	Pass
		Outer_Full	18.17	/	/	16.91	/	/	<=34.77	Pass
		Inner_Full	18.15	/	/	16.89	/	/	<=34.77	Pass
		Inner_1RB_Left	18.21	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Right	18.03	/	/	16.77	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	18.11	/	/	16.85	/	/	<=34.77	Pass
		Edge_1RB_Right	17.82	/	/	16.56	/	/	<=34.77	Pass
		Outer_Full	18.06	/	/	16.8	/	/	<=34.77	Pass
		Inner_Full	18.16	/	/	16.9	/	/	<=34.77	Pass
		Inner_1RB_Left	18.12	/	/	16.86	/	/	<=34.77	Pass
		Inner_1RB_Right	17.77	/	/	16.51	/	/	<=34.77	Pass
	695.5	Edge_1RB_Left	18.23	/	/	16.97	/	/	<=34.77	Pass
		Edge_1RB_Right	17.72	/	/	16.46	/	/	<=34.77	Pass
		Outer_Full	18.16	/	/	16.9	/	/	<=34.77	Pass
		Inner_Full	18.17	/	/	16.91	/	/	<=34.77	Pass
		Inner_1RB_Left	18.22	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Right	18.16	/	/	16.9	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.89dBi;										
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	Edge_1RB_Left	23.84	/	/	22.58	/	/	<=34.77	Pass
		Edge_1RB_Right	23.66	/	/	22.4	/	/	<=34.77	Pass
		Outer_Full	23.59	/	/	22.33	/	/	<=34.77	Pass
		Inner_Full	23.65	/	/	22.39	/	/	<=34.77	Pass
		Inner_1RB_Left	23.71	/	/	22.45	/	/	<=34.77	Pass
		Inner_1RB_Right	23.67	/	/	22.41	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.75	/	/	22.49	/	/	<=34.77	Pass



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		Edge_1RB_Right	23.67	/	/	22.41	/	/	<=34.77	Pass
		Outer_Full	23.56	/	/	22.3	/	/	<=34.77	Pass
		Inner_Full	23.59	/	/	22.33	/	/	<=34.77	Pass
		Inner_1RB_Left	23.66	/	/	22.4	/	/	<=34.77	Pass
		Inner_1RB_Right	23.68	/	/	22.42	/	/	<=34.77	Pass
	693	Edge_1RB_Left	23.67	/	/	22.41	/	/	<=34.77	Pass
		Edge_1RB_Right	23.45	/	/	22.19	/	/	<=34.77	Pass
		Outer_Full	23.67	/	/	22.41	/	/	<=34.77	Pass
		Inner_Full	23.66	/	/	22.4	/	/	<=34.77	Pass
		Inner_1RB_Left	23.72	/	/	22.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.48	/	/	22.22	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	668	Edge_1RB_Left	23.78	/	/	22.52	/	/	<=34.77	Pass
		Edge_1RB_Right	23.66	/	/	22.4	/	/	<=34.77	Pass
		Outer_Full	23.58	/	/	22.32	/	/	<=34.77	Pass
		Inner_Full	23.60	/	/	22.34	/	/	<=34.77	Pass
		Inner_1RB_Left	23.73	/	/	22.47	/	/	<=34.77	Pass
		Inner_1RB_Right	23.75	/	/	22.49	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.61	/	/	22.35	/	/	<=34.77	Pass
		Edge_1RB_Right	23.70	/	/	22.44	/	/	<=34.77	Pass
		Outer_Full	23.58	/	/	22.32	/	/	<=34.77	Pass
		Inner_Full	23.58	/	/	22.32	/	/	<=34.77	Pass
		Inner_1RB_Left	23.77	/	/	22.51	/	/	<=34.77	Pass
		Inner_1RB_Right	23.65	/	/	22.39	/	/	<=34.77	Pass
	693	Edge_1RB_Left	23.65	/	/	22.39	/	/	<=34.77	Pass
		Edge_1RB_Right	23.50	/	/	22.24	/	/	<=34.77	Pass
		Outer_Full	23.65	/	/	22.39	/	/	<=34.77	Pass
		Inner_Full	23.65	/	/	22.39	/	/	<=34.77	Pass
		Inner_1RB_Left	23.64	/	/	22.38	/	/	<=34.77	Pass
		Inner_1RB_Right	23.43	/	/	22.17	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	668	Edge_1RB_Left	22.65	/	/	21.39	/	/	<=34.77	Pass
		Edge_1RB_Right	22.67	/	/	21.41	/	/	<=34.77	Pass
		Outer_Full	22.52	/	/	21.26	/	/	<=34.77	Pass
		Inner_Full	23.60	/	/	22.34	/	/	<=34.77	Pass
		Inner_1RB_Left	23.76	/	/	22.5	/	/	<=34.77	Pass
		Inner_1RB_Right	23.77	/	/	22.51	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.36	/	/	21.1	/	/	<=34.77	Pass
		Edge_1RB_Right	22.32	/	/	21.06	/	/	<=34.77	Pass



		Outer_Full	22.60	/	/	21.34	/	/	<=34.77	Pass
		Inner_Full	23.57	/	/	22.31	/	/	<=34.77	Pass
		Inner_1RB_Left	23.43	/	/	22.17	/	/	<=34.77	Pass
		Inner_1RB_Right	23.36	/	/	22.1	/	/	<=34.77	Pass
	693	Edge_1RB_Left	22.61	/	/	21.35	/	/	<=34.77	Pass
		Edge_1RB_Right	22.38	/	/	21.12	/	/	<=34.77	Pass
		Outer_Full	22.64	/	/	21.38	/	/	<=34.77	Pass
		Inner_Full	23.69	/	/	22.43	/	/	<=34.77	Pass
		Inner_1RB_Left	23.78	/	/	22.52	/	/	<=34.77	Pass
		Inner_1RB_Right	23.38	/	/	22.12	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	668	Edge_1RB_Left	22.45	/	/	21.19	/	/	<=34.77	Pass
		Edge_1RB_Right	22.36	/	/	21.1	/	/	<=34.77	Pass
		Outer_Full	22.07	/	/	20.81	/	/	<=34.77	Pass
		Inner_Full	22.02	/	/	20.76	/	/	<=34.77	Pass
		Inner_1RB_Left	22.00	/	/	20.74	/	/	<=34.77	Pass
		Inner_1RB_Right	22.28	/	/	21.02	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.16	/	/	20.9	/	/	<=34.77	Pass
		Edge_1RB_Right	22.22	/	/	20.96	/	/	<=34.77	Pass
		Outer_Full	22.01	/	/	20.75	/	/	<=34.77	Pass
		Inner_Full	21.97	/	/	20.71	/	/	<=34.77	Pass
		Inner_1RB_Left	22.29	/	/	21.03	/	/	<=34.77	Pass
		Inner_1RB_Right	22.24	/	/	20.98	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.96	/	/	20.7	/	/	<=34.77	Pass
		Edge_1RB_Right	22.14	/	/	20.88	/	/	<=34.77	Pass
		Outer_Full	22.12	/	/	20.86	/	/	<=34.77	Pass
		Inner_Full	22.17	/	/	20.91	/	/	<=34.77	Pass
		Inner_1RB_Left	21.98	/	/	20.72	/	/	<=34.77	Pass
		Inner_1RB_Right	22.16	/	/	20.9	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	668	Edge_1RB_Left	20.44	/	/	19.18	/	/	<=34.77	Pass
		Edge_1RB_Right	20.23	/	/	18.97	/	/	<=34.77	Pass
		Outer_Full	20.06	/	/	18.8	/	/	<=34.77	Pass
		Inner_Full	20.07	/	/	18.81	/	/	<=34.77	Pass
		Inner_1RB_Left	20.43	/	/	19.17	/	/	<=34.77	Pass
		Inner_1RB_Right	20.23	/	/	18.97	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.12	/	/	18.86	/	/	<=34.77	Pass
		Edge_1RB_Right	20.23	/	/	18.97	/	/	<=34.77	Pass
		Outer_Full	20.10	/	/	18.84	/	/	<=34.77	Pass





		Inner_Full	20.12	/	/	18.86	/	/	<=34.77	Pass
		Inner_1RB_Left	19.98	/	/	18.72	/	/	<=34.77	Pass
		Inner_1RB_Right	20.16	/	/	18.9	/	/	<=34.77	Pass
	693	Edge_1RB_Left	20.21	/	/	18.95	/	/	<=34.77	Pass
		Edge_1RB_Right	19.76	/	/	18.5	/	/	<=34.77	Pass
		Outer_Full	20.16	/	/	18.9	/	/	<=34.77	Pass
		Inner_Full	20.18	/	/	18.92	/	/	<=34.77	Pass
		Inner_1RB_Left	20.30	/	/	19.04	/	/	<=34.77	Pass
		Inner_1RB_Right	19.90	/	/	18.64	/	/	<=34.77	Pass
CP-OFDM QPSK	668	Edge_1RB_Left	21.83	/	/	20.57	/	/	<=34.77	Pass
		Edge_1RB_Right	21.60	/	/	20.34	/	/	<=34.77	Pass
		Outer_Full	21.56	/	/	20.3	/	/	<=34.77	Pass
		Inner_Full	23.09	/	/	21.83	/	/	<=34.77	Pass
		Inner_1RB_Left	23.52	/	/	22.26	/	/	<=34.77	Pass
		Inner_1RB_Right	22.99	/	/	21.73	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.56	/	/	20.3	/	/	<=34.77	Pass
		Edge_1RB_Right	21.63	/	/	20.37	/	/	<=34.77	Pass
		Outer_Full	21.54	/	/	20.28	/	/	<=34.77	Pass
		Inner_Full	23.02	/	/	21.76	/	/	<=34.77	Pass
		Inner_1RB_Left	23.02	/	/	21.76	/	/	<=34.77	Pass
		Inner_1RB_Right	22.98	/	/	21.72	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.55	/	/	20.29	/	/	<=34.77	Pass
		Edge_1RB_Right	21.57	/	/	20.31	/	/	<=34.77	Pass
		Outer_Full	21.65	/	/	20.39	/	/	<=34.77	Pass
		Inner_Full	23.06	/	/	21.8	/	/	<=34.77	Pass
		Inner_1RB_Left	23.11	/	/	21.85	/	/	<=34.77	Pass
		Inner_1RB_Right	22.85	/	/	21.59	/	/	<=34.77	Pass
CP-OFDM 16 QAM	668	Edge_1RB_Left	21.91	/	/	20.65	/	/	<=34.77	Pass
		Edge_1RB_Right	21.70	/	/	20.44	/	/	<=34.77	Pass
		Outer_Full	21.46	/	/	20.2	/	/	<=34.77	Pass
		Inner_Full	22.47	/	/	21.21	/	/	<=34.77	Pass
		Inner_1RB_Left	22.89	/	/	21.63	/	/	<=34.77	Pass
		Inner_1RB_Right	22.56	/	/	21.3	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.43	/	/	20.17	/	/	<=34.77	Pass
		Edge_1RB_Right	21.69	/	/	20.43	/	/	<=34.77	Pass
		Outer_Full	21.51	/	/	20.25	/	/	<=34.77	Pass
		Inner_Full	22.58	/	/	21.32	/	/	<=34.77	Pass



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		Inner_1RB_Left	22.55	/	/	21.29	/	/	<=34.77	Pass
		Inner_1RB_Right	22.79	/	/	21.53	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.74	/	/	20.48	/	/	<=34.77	Pass
		Edge_1RB_Right	21.55	/	/	20.29	/	/	<=34.77	Pass
		Outer_Full	21.62	/	/	20.36	/	/	<=34.77	Pass
		Inner_Full	22.60	/	/	21.34	/	/	<=34.77	Pass
		Inner_1RB_Left	22.62	/	/	21.36	/	/	<=34.77	Pass
		Inner_1RB_Right	22.47	/	/	21.21	/	/	<=34.77	Pass
CP-OFDM 64 QAM	668	Edge_1RB_Left	21.13	/	/	19.87	/	/	<=34.77	Pass
		Edge_1RB_Right	21.18	/	/	19.92	/	/	<=34.77	Pass
		Outer_Full	21.01	/	/	19.75	/	/	<=34.77	Pass
		Inner_Full	21.05	/	/	19.79	/	/	<=34.77	Pass
		Inner_1RB_Left	20.99	/	/	19.73	/	/	<=34.77	Pass
		Inner_1RB_Right	21.17	/	/	19.91	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.07	/	/	19.81	/	/	<=34.77	Pass
		Edge_1RB_Right	21.51	/	/	20.25	/	/	<=34.77	Pass
		Outer_Full	21.03	/	/	19.77	/	/	<=34.77	Pass
		Inner_Full	20.95	/	/	19.69	/	/	<=34.77	Pass
		Inner_1RB_Left	20.98	/	/	19.72	/	/	<=34.77	Pass
		Inner_1RB_Right	21.03	/	/	19.77	/	/	<=34.77	Pass
	693	Edge_1RB_Left	21.58	/	/	20.32	/	/	<=34.77	Pass
		Edge_1RB_Right	20.79	/	/	19.53	/	/	<=34.77	Pass
		Outer_Full	21.12	/	/	19.86	/	/	<=34.77	Pass
		Inner_Full	21.22	/	/	19.96	/	/	<=34.77	Pass
		Inner_1RB_Left	21.13	/	/	19.87	/	/	<=34.77	Pass
		Inner_1RB_Right	21.04	/	/	19.78	/	/	<=34.77	Pass
CP-OFDM 256 QAM	668	Edge_1RB_Left	18.15	/	/	16.89	/	/	<=34.77	Pass
		Edge_1RB_Right	18.16	/	/	16.9	/	/	<=34.77	Pass
		Outer_Full	18.06	/	/	16.8	/	/	<=34.77	Pass
		Inner_Full	18.13	/	/	16.87	/	/	<=34.77	Pass
		Inner_1RB_Left	18.30	/	/	17.04	/	/	<=34.77	Pass
		Inner_1RB_Right	18.25	/	/	16.99	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	18.20	/	/	16.94	/	/	<=34.77	Pass
		Edge_1RB_Right	18.16	/	/	16.9	/	/	<=34.77	Pass
		Outer_Full	18.09	/	/	16.83	/	/	<=34.77	Pass
		Inner_Full	18.07	/	/	16.81	/	/	<=34.77	Pass
		Inner_1RB_Left	18.02	/	/	16.76	/	/	<=34.77	Pass



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		Inner_1RB_Right	18.29	/	/	17.03	/	/	<=34.77	Pass
	693	Edge_1RB_Left	18.42	/	/	17.16	/	/	<=34.77	Pass
		Edge_1RB_Right	17.80	/	/	16.54	/	/	<=34.77	Pass
		Outer_Full	18.21	/	/	16.95	/	/	<=34.77	Pass
		Inner_Full	18.18	/	/	16.92	/	/	<=34.77	Pass
		Inner_1RB_Left	18.37	/	/	17.11	/	/	<=34.77	Pass
		Inner_1RB_Right	18.01	/	/	16.75	/	/	<=34.77	Pass

Note1: Antenna Gain: Ant1: 0.89dBi;

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	Edge_1RB_Left	23.81	/	/	22.55	/	/	<=34.77	Pass
		Edge_1RB_Right	23.76	/	/	22.5	/	/	<=34.77	Pass
		Outer_Full	23.66	/	/	22.4	/	/	<=34.77	Pass
		Inner_Full	23.67	/	/	22.41	/	/	<=34.77	Pass
		Inner_1RB_Left	23.71	/	/	22.45	/	/	<=34.77	Pass
		Inner_1RB_Right	23.64	/	/	22.38	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.85	/	/	22.59	/	/	<=34.77	Pass
		Edge_1RB_Right	23.75	/	/	22.49	/	/	<=34.77	Pass
		Outer_Full	23.78	/	/	22.52	/	/	<=34.77	Pass
		Inner_Full	23.75	/	/	22.49	/	/	<=34.77	Pass
		Inner_1RB_Left	23.73	/	/	22.47	/	/	<=34.77	Pass
		Inner_1RB_Right	23.83	/	/	22.57	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	23.53	/	/	22.27	/	/	<=34.77	Pass
		Edge_1RB_Right	23.48	/	/	22.22	/	/	<=34.77	Pass
		Outer_Full	23.75	/	/	22.49	/	/	<=34.77	Pass
		Inner_Full	23.81	/	/	22.55	/	/	<=34.77	Pass
		Inner_1RB_Left	23.61	/	/	22.35	/	/	<=34.77	Pass
		Inner_1RB_Right	23.44	/	/	22.18	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	670.5	Edge_1RB_Left	23.77	/	/	22.51	/	/	<=34.77	Pass
		Edge_1RB_Right	23.75	/	/	22.49	/	/	<=34.77	Pass
		Outer_Full	23.64	/	/	22.38	/	/	<=34.77	Pass
		Inner_Full	23.74	/	/	22.48	/	/	<=34.77	Pass
		Inner_1RB_Left	23.79	/	/	22.53	/	/	<=34.77	Pass



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	680.5	Inner_1RB_Right	23.62	/	/	22.36	/	/	<=34.77	Pass
		Edge_1RB_Left	23.75	/	/	22.49	/	/	<=34.77	Pass
		Edge_1RB_Right	23.69	/	/	22.43	/	/	<=34.77	Pass
		Outer_Full	23.75	/	/	22.49	/	/	<=34.77	Pass
		Inner_Full	23.74	/	/	22.48	/	/	<=34.77	Pass
		Inner_1RB_Left	23.74	/	/	22.48	/	/	<=34.77	Pass
		Inner_1RB_Right	23.76	/	/	22.5	/	/	<=34.77	Pass
		Edge_1RB_Left	23.65	/	/	22.39	/	/	<=34.77	Pass
		Edge_1RB_Right	23.56	/	/	22.3	/	/	<=34.77	Pass
		Outer_Full	23.71	/	/	22.45	/	/	<=34.77	Pass
		Inner_Full	23.77	/	/	22.51	/	/	<=34.77	Pass
		Inner_1RB_Left	23.68	/	/	22.42	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	670.5	Inner_1RB_Right	23.54	/	/	22.28	/	/	<=34.77	Pass
		Edge_1RB_Left	22.70	/	/	21.44	/	/	<=34.77	Pass
		Edge_1RB_Right	22.73	/	/	21.47	/	/	<=34.77	Pass
		Outer_Full	22.69	/	/	21.43	/	/	<=34.77	Pass
		Inner_Full	23.65	/	/	22.39	/	/	<=34.77	Pass
		Inner_1RB_Left	23.73	/	/	22.47	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	23.84	/	/	22.58	/	/	<=34.77	Pass
		Edge_1RB_Left	22.54	/	/	21.28	/	/	<=34.77	Pass
		Edge_1RB_Right	22.61	/	/	21.35	/	/	<=34.77	Pass
		Outer_Full	22.76	/	/	21.5	/	/	<=34.77	Pass
		Inner_Full	23.74	/	/	22.48	/	/	<=34.77	Pass
		Inner_1RB_Left	23.62	/	/	22.36	/	/	<=34.77	Pass
	690.5	Inner_1RB_Right	23.53	/	/	22.27	/	/	<=34.77	Pass
		Edge_1RB_Left	22.66	/	/	21.4	/	/	<=34.77	Pass
		Edge_1RB_Right	22.60	/	/	21.34	/	/	<=34.77	Pass
		Outer_Full	22.72	/	/	21.46	/	/	<=34.77	Pass
		Inner_Full	23.86	/	/	22.6	/	/	<=34.77	Pass
		Inner_1RB_Left	23.74	/	/	22.48	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	670.5	Inner_1RB_Right	23.44	/	/	22.18	/	/	<=34.77	Pass
		Edge_1RB_Left	22.27	/	/	21.01	/	/	<=34.77	Pass
		Edge_1RB_Right	22.24	/	/	20.98	/	/	<=34.77	Pass
		Outer_Full	22.15	/	/	20.89	/	/	<=34.77	Pass
		Inner_Full	22.14	/	/	20.88	/	/	<=34.77	Pass
		Inner_1RB_Left	22.17	/	/	20.91	/	/	<=34.77	Pass
	670.5	Inner_1RB_Right	22.02	/	/	20.76	/	/	<=34.77	Pass



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	680.5	Edge_1RB_Left	22.35	/	/	21.09	/	/	<=34.77	Pass
		Edge_1RB_Right	22.13	/	/	20.87	/	/	<=34.77	Pass
		Outer_Full	22.24	/	/	20.98	/	/	<=34.77	Pass
		Inner_Full	22.18	/	/	20.92	/	/	<=34.77	Pass
		Inner_1RB_Left	22.40	/	/	21.14	/	/	<=34.77	Pass
		Inner_1RB_Right	22.23	/	/	20.97	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	22.02	/	/	20.76	/	/	<=34.77	Pass
		Edge_1RB_Right	21.82	/	/	20.56	/	/	<=34.77	Pass
		Outer_Full	22.20	/	/	20.94	/	/	<=34.77	Pass
		Inner_Full	22.24	/	/	20.98	/	/	<=34.77	Pass
		Inner_1RB_Left	21.89	/	/	20.63	/	/	<=34.77	Pass
		Inner_1RB_Right	21.94	/	/	20.68	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	670.5	Edge_1RB_Left	20.24	/	/	18.98	/	/	<=34.77	Pass
		Edge_1RB_Right	20.19	/	/	18.93	/	/	<=34.77	Pass
		Outer_Full	20.18	/	/	18.92	/	/	<=34.77	Pass
		Inner_Full	20.18	/	/	18.92	/	/	<=34.77	Pass
		Inner_1RB_Left	20.33	/	/	19.07	/	/	<=34.77	Pass
		Inner_1RB_Right	20.16	/	/	18.9	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.35	/	/	19.09	/	/	<=34.77	Pass
		Edge_1RB_Right	20.19	/	/	18.93	/	/	<=34.77	Pass
		Outer_Full	20.27	/	/	19.01	/	/	<=34.77	Pass
		Inner_Full	20.17	/	/	18.91	/	/	<=34.77	Pass
		Inner_1RB_Left	20.39	/	/	19.13	/	/	<=34.77	Pass
		Inner_1RB_Right	20.36	/	/	19.1	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	20.01	/	/	18.75	/	/	<=34.77	Pass
		Edge_1RB_Right	19.88	/	/	18.62	/	/	<=34.77	Pass
		Outer_Full	20.25	/	/	18.99	/	/	<=34.77	Pass
		Inner_Full	20.25	/	/	18.99	/	/	<=34.77	Pass
		Inner_1RB_Left	20.26	/	/	19	/	/	<=34.77	Pass
		Inner_1RB_Right	19.97	/	/	18.71	/	/	<=34.77	Pass
CP-OFDM QPSK	670.5	Edge_1RB_Left	21.51	/	/	20.25	/	/	<=34.77	Pass
		Edge_1RB_Right	21.71	/	/	20.45	/	/	<=34.77	Pass
		Outer_Full	21.68	/	/	20.42	/	/	<=34.77	Pass
		Inner_Full	23.10	/	/	21.84	/	/	<=34.77	Pass
		Inner_1RB_Left	23.18	/	/	21.92	/	/	<=34.77	Pass
		Inner_1RB_Right	23.00	/	/	21.74	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.87	/	/	20.61	/	/	<=34.77	Pass



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		Edge_1RB_Right	21.82	/	/	20.56	/	/	<=34.77	Pass
		Outer_Full	21.70	/	/	20.44	/	/	<=34.77	Pass
		Inner_Full	23.15	/	/	21.89	/	/	<=34.77	Pass
		Inner_1RB_Left	23.25	/	/	21.99	/	/	<=34.77	Pass
		Inner_1RB_Right	23.20	/	/	21.94	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.56	/	/	20.3	/	/	<=34.77	Pass
		Edge_1RB_Right	21.54	/	/	20.28	/	/	<=34.77	Pass
		Outer_Full	21.67	/	/	20.41	/	/	<=34.77	Pass
		Inner_Full	23.26	/	/	22	/	/	<=34.77	Pass
		Inner_1RB_Left	23.09	/	/	21.83	/	/	<=34.77	Pass
		Inner_1RB_Right	23.04	/	/	21.78	/	/	<=34.77	Pass
CP-OFDM 16 QAM	670.5	Edge_1RB_Left	21.81	/	/	20.55	/	/	<=34.77	Pass
		Edge_1RB_Right	21.92	/	/	20.66	/	/	<=34.77	Pass
		Outer_Full	21.67	/	/	20.41	/	/	<=34.77	Pass
		Inner_Full	22.69	/	/	21.43	/	/	<=34.77	Pass
		Inner_1RB_Left	22.76	/	/	21.5	/	/	<=34.77	Pass
		Inner_1RB_Right	22.47	/	/	21.21	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.68	/	/	20.42	/	/	<=34.77	Pass
		Edge_1RB_Right	21.76	/	/	20.5	/	/	<=34.77	Pass
		Outer_Full	21.66	/	/	20.4	/	/	<=34.77	Pass
		Inner_Full	22.69	/	/	21.43	/	/	<=34.77	Pass
		Inner_1RB_Left	22.68	/	/	21.42	/	/	<=34.77	Pass
		Inner_1RB_Right	22.78	/	/	21.52	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	21.60	/	/	20.34	/	/	<=34.77	Pass
		Edge_1RB_Right	21.64	/	/	20.38	/	/	<=34.77	Pass
		Outer_Full	21.59	/	/	20.33	/	/	<=34.77	Pass
		Inner_Full	22.63	/	/	21.37	/	/	<=34.77	Pass
		Inner_1RB_Left	22.48	/	/	21.22	/	/	<=34.77	Pass
		Inner_1RB_Right	22.31	/	/	21.05	/	/	<=34.77	Pass
CP-OFDM 64 QAM	670.5	Edge_1RB_Left	21.21	/	/	19.95	/	/	<=34.77	Pass
		Edge_1RB_Right	21.10	/	/	19.84	/	/	<=34.77	Pass
		Outer_Full	21.18	/	/	19.92	/	/	<=34.77	Pass
		Inner_Full	21.12	/	/	19.86	/	/	<=34.77	Pass
		Inner_1RB_Left	21.26	/	/	20	/	/	<=34.77	Pass
		Inner_1RB_Right	20.98	/	/	19.72	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.43	/	/	20.17	/	/	<=34.77	Pass
		Edge_1RB_Right	21.40	/	/	20.14	/	/	<=34.77	Pass



		Outer_Full	21.25	/	/	19.99	/	/	<=34.77	Pass
		Inner_Full	21.20	/	/	19.94	/	/	<=34.77	Pass
		Inner_1RB_Left	21.18	/	/	19.92	/	/	<=34.77	Pass
		Inner_1RB_Right	21.39	/	/	20.13	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	20.96	/	/	19.7	/	/	<=34.77	Pass
		Edge_1RB_Right	20.90	/	/	19.64	/	/	<=34.77	Pass
		Outer_Full	21.03	/	/	19.77	/	/	<=34.77	Pass
		Inner_Full	21.20	/	/	19.94	/	/	<=34.77	Pass
		Inner_1RB_Left	21.27	/	/	20.01	/	/	<=34.77	Pass
		Inner_1RB_Right	20.98	/	/	19.72	/	/	<=34.77	Pass
CP-OFDM 256 QAM	670.5	Edge_1RB_Left	18.66	/	/	17.4	/	/	<=34.77	Pass
		Edge_1RB_Right	18.48	/	/	17.22	/	/	<=34.77	Pass
		Outer_Full	18.18	/	/	16.92	/	/	<=34.77	Pass
		Inner_Full	18.07	/	/	16.81	/	/	<=34.77	Pass
		Inner_1RB_Left	18.45	/	/	17.19	/	/	<=34.77	Pass
		Inner_1RB_Right	18.07	/	/	16.81	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	18.33	/	/	17.07	/	/	<=34.77	Pass
		Edge_1RB_Right	18.31	/	/	17.05	/	/	<=34.77	Pass
		Outer_Full	18.23	/	/	16.97	/	/	<=34.77	Pass
		Inner_Full	18.22	/	/	16.96	/	/	<=34.77	Pass
		Inner_1RB_Left	18.24	/	/	16.98	/	/	<=34.77	Pass
		Inner_1RB_Right	18.47	/	/	17.21	/	/	<=34.77	Pass
	690.5	Edge_1RB_Left	18.04	/	/	16.78	/	/	<=34.77	Pass
		Edge_1RB_Right	17.92	/	/	16.66	/	/	<=34.77	Pass
		Outer_Full	18.19	/	/	16.93	/	/	<=34.77	Pass
		Inner_Full	18.21	/	/	16.95	/	/	<=34.77	Pass
		Inner_1RB_Left	18.02	/	/	16.76	/	/	<=34.77	Pass
		Inner_1RB_Right	18.06	/	/	16.8	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.89dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

### 1.1.4 15k\_SISO\_20MHz\_NTNV\_ERP

5G NR n71 SCS=15kHz SISO 20MHz NTV										
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	Edge_1RB_Left	23.68	/	/	22.42	/	/	<=34.77	Pass
		Edge_1RB_Right	23.61	/	/	22.35	/	/	<=34.77	Pass



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		Outer_Full	23.66	/	/	22.4	/	/	<=34.77	Pass
		Inner_Full	23.63	/	/	22.37	/	/	<=34.77	Pass
		Inner_1RB_Left	23.72	/	/	22.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.60	/	/	22.34	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.66	/	/	22.4	/	/	<=34.77	Pass
		Edge_1RB_Right	23.80	/	/	22.54	/	/	<=34.77	Pass
		Outer_Full	23.75	/	/	22.49	/	/	<=34.77	Pass
		Inner_Full	23.71	/	/	22.45	/	/	<=34.77	Pass
		Inner_1RB_Left	23.68	/	/	22.42	/	/	<=34.77	Pass
		Inner_1RB_Right	23.82	/	/	22.56	/	/	<=34.77	Pass
	688	Edge_1RB_Left	23.69	/	/	22.43	/	/	<=34.77	Pass
		Edge_1RB_Right	23.40	/	/	22.14	/	/	<=34.77	Pass
		Outer_Full	23.81	/	/	22.55	/	/	<=34.77	Pass
		Inner_Full	23.88	/	/	22.62	/	/	<=34.77	Pass
		Inner_1RB_Left	23.78	/	/	22.52	/	/	<=34.77	Pass
		Inner_1RB_Right	23.52	/	/	22.26	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	673	Edge_1RB_Left	23.74	/	/	22.48	/	/	<=34.77	Pass
		Edge_1RB_Right	23.59	/	/	22.33	/	/	<=34.77	Pass
		Outer_Full	23.72	/	/	22.46	/	/	<=34.77	Pass
		Inner_Full	23.69	/	/	22.43	/	/	<=34.77	Pass
		Inner_1RB_Left	23.72	/	/	22.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.58	/	/	22.32	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	23.56	/	/	22.3	/	/	<=34.77	Pass
		Edge_1RB_Right	23.84	/	/	22.58	/	/	<=34.77	Pass
		Outer_Full	23.73	/	/	22.47	/	/	<=34.77	Pass
		Inner_Full	23.73	/	/	22.47	/	/	<=34.77	Pass
		Inner_1RB_Left	23.72	/	/	22.46	/	/	<=34.77	Pass
		Inner_1RB_Right	23.88	/	/	22.62	/	/	<=34.77	Pass
	688	Edge_1RB_Left	23.68	/	/	22.42	/	/	<=34.77	Pass
		Edge_1RB_Right	23.46	/	/	22.2	/	/	<=34.77	Pass
		Outer_Full	23.71	/	/	22.45	/	/	<=34.77	Pass
		Inner_Full	23.96	/	/	22.7	/	/	<=34.77	Pass
		Inner_1RB_Left	23.79	/	/	22.53	/	/	<=34.77	Pass
		Inner_1RB_Right	23.56	/	/	22.3	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	673	Edge_1RB_Left	22.62	/	/	21.36	/	/	<=34.77	Pass
		Edge_1RB_Right	22.25	/	/	20.99	/	/	<=34.77	Pass
		Outer_Full	22.66	/	/	21.4	/	/	<=34.77	Pass



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		Inner_Full	23.68	/	/	22.42	/	/	<=34.77	Pass
		Inner_1RB_Left	23.58	/	/	22.32	/	/	<=34.77	Pass
		Inner_1RB_Right	23.72	/	/	22.46	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	22.73	/	/	21.47	/	/	<=34.77	Pass
		Edge_1RB_Right	22.70	/	/	21.44	/	/	<=34.77	Pass
		Outer_Full	22.78	/	/	21.52	/	/	<=34.77	Pass
		Inner_Full	23.74	/	/	22.48	/	/	<=34.77	Pass
		Inner_1RB_Left	23.31	/	/	22.05	/	/	<=34.77	Pass
		Inner_1RB_Right	23.84	/	/	22.58	/	/	<=34.77	Pass
	688	Edge_1RB_Left	22.67	/	/	21.41	/	/	<=34.77	Pass
		Edge_1RB_Right	22.37	/	/	21.11	/	/	<=34.77	Pass
		Outer_Full	22.76	/	/	21.5	/	/	<=34.77	Pass
		Inner_Full	23.86	/	/	22.6	/	/	<=34.77	Pass
		Inner_1RB_Left	23.86	/	/	22.6	/	/	<=34.77	Pass
		Inner_1RB_Right	23.40	/	/	22.14	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	673	Edge_1RB_Left	22.26	/	/	21	/	/	<=34.77	Pass
		Edge_1RB_Right	21.98	/	/	20.72	/	/	<=34.77	Pass
		Outer_Full	22.19	/	/	20.93	/	/	<=34.77	Pass
		Inner_Full	22.16	/	/	20.9	/	/	<=34.77	Pass
		Inner_1RB_Left	22.24	/	/	20.98	/	/	<=34.77	Pass
		Inner_1RB_Right	22.21	/	/	20.95	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.98	/	/	20.72	/	/	<=34.77	Pass
		Edge_1RB_Right	22.16	/	/	20.9	/	/	<=34.77	Pass
		Outer_Full	22.29	/	/	21.03	/	/	<=34.77	Pass
		Inner_Full	22.20	/	/	20.94	/	/	<=34.77	Pass
		Inner_1RB_Left	22.13	/	/	20.87	/	/	<=34.77	Pass
		Inner_1RB_Right	22.29	/	/	21.03	/	/	<=34.77	Pass
	688	Edge_1RB_Left	22.01	/	/	20.75	/	/	<=34.77	Pass
		Edge_1RB_Right	21.94	/	/	20.68	/	/	<=34.77	Pass
		Outer_Full	22.25	/	/	20.99	/	/	<=34.77	Pass
		Inner_Full	22.32	/	/	21.06	/	/	<=34.77	Pass
		Inner_1RB_Left	22.20	/	/	20.94	/	/	<=34.77	Pass
		Inner_1RB_Right	22.00	/	/	20.74	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	673	Edge_1RB_Left	20.09	/	/	18.83	/	/	<=34.77	Pass
		Edge_1RB_Right	20.22	/	/	18.96	/	/	<=34.77	Pass
		Outer_Full	20.18	/	/	18.92	/	/	<=34.77	Pass
		Inner_Full	20.19	/	/	18.93	/	/	<=34.77	Pass



		Inner_1RB_Left	20.13	/	/	18.87	/	/	<=34.77	Pass
		Inner_1RB_Right	20.11	/	/	18.85	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	20.06	/	/	18.8	/	/	<=34.77	Pass
		Edge_1RB_Right	20.43	/	/	19.17	/	/	<=34.77	Pass
		Outer_Full	20.29	/	/	19.03	/	/	<=34.77	Pass
		Inner_Full	20.24	/	/	18.98	/	/	<=34.77	Pass
		Inner_1RB_Left	20.14	/	/	18.88	/	/	<=34.77	Pass
		Inner_1RB_Right	20.52	/	/	19.26	/	/	<=34.77	Pass
	688	Edge_1RB_Left	20.14	/	/	18.88	/	/	<=34.77	Pass
		Edge_1RB_Right	20.14	/	/	18.88	/	/	<=34.77	Pass
		Outer_Full	20.33	/	/	19.07	/	/	<=34.77	Pass
		Inner_Full	20.38	/	/	19.12	/	/	<=34.77	Pass
		Inner_1RB_Left	20.16	/	/	18.9	/	/	<=34.77	Pass
		Inner_1RB_Right	20.36	/	/	19.1	/	/	<=34.77	Pass
CP-OFDM QPSK	673	Edge_1RB_Left	21.59	/	/	20.33	/	/	<=34.77	Pass
		Edge_1RB_Right	21.60	/	/	20.34	/	/	<=34.77	Pass
		Outer_Full	21.59	/	/	20.33	/	/	<=34.77	Pass
		Inner_Full	23.05	/	/	21.79	/	/	<=34.77	Pass
		Inner_1RB_Left	23.16	/	/	21.9	/	/	<=34.77	Pass
		Inner_1RB_Right	22.98	/	/	21.72	/	/	<=34.77	Pass
	680.5	Edge_1RB_Left	21.57	/	/	20.31	/	/	<=34.77	Pass
		Edge_1RB_Right	21.84	/	/	20.58	/	/	<=34.77	Pass
		Outer_Full	21.64	/	/	20.38	/	/	<=34.77	Pass
		Inner_Full	23.23	/	/	21.97	/	/	<=34.77	Pass
		Inner_1RB_Left	23.09	/	/	21.83	/	/	<=34.77	Pass
		Inner_1RB_Right	23.49	/	/	22.23	/	/	<=34.77	Pass
	688	Edge_1RB_Left	21.75	/	/	20.49	/	/	<=34.77	Pass
		Edge_1RB_Right	21.61	/	/	20.35	/	/	<=34.77	Pass
		Outer_Full	21.76	/	/	20.5	/	/	<=34.77	Pass
		Inner_Full	23.38	/	/	22.12	/	/	<=34.77	Pass
		Inner_1RB_Left	23.18	/	/	21.92	/	/	<=34.77	Pass
		Inner_1RB_Right	22.96	/	/	21.7	/	/	<=34.77	Pass
CP-OFDM 16 QAM	673	Edge_1RB_Left	21.86	/	/	20.6	/	/	<=34.77	Pass
		Edge_1RB_Right	21.81	/	/	20.55	/	/	<=34.77	Pass
		Outer_Full	21.71	/	/	20.45	/	/	<=34.77	Pass
		Inner_Full	22.63	/	/	21.37	/	/	<=34.77	Pass
		Inner_1RB_Left	22.78	/	/	21.52	/	/	<=34.77	Pass



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	680.5	Inner_1RB_Right	22.47	/	/	21.21	/	/	<=34.77	Pass
		Edge_1RB_Left	21.73	/	/	20.47	/	/	<=34.77	Pass
		Edge_1RB_Right	21.73	/	/	20.47	/	/	<=34.77	Pass
		Outer_Full	21.71	/	/	20.45	/	/	<=34.77	Pass
		Inner_Full	22.70	/	/	21.44	/	/	<=34.77	Pass
		Inner_1RB_Left	22.62	/	/	21.36	/	/	<=34.77	Pass
		Inner_1RB_Right	22.47	/	/	21.21	/	/	<=34.77	Pass
		Edge_1RB_Left	21.59	/	/	20.33	/	/	<=34.77	Pass
		Edge_1RB_Right	21.55	/	/	20.29	/	/	<=34.77	Pass
		Outer_Full	21.81	/	/	20.55	/	/	<=34.77	Pass
		Inner_Full	22.81	/	/	21.55	/	/	<=34.77	Pass
		Inner_1RB_Left	22.91	/	/	21.65	/	/	<=34.77	Pass
CP-OFDM 64 QAM	673	Inner_1RB_Right	22.53	/	/	21.27	/	/	<=34.77	Pass
		Edge_1RB_Left	21.24	/	/	19.98	/	/	<=34.77	Pass
		Edge_1RB_Right	21.19	/	/	19.93	/	/	<=34.77	Pass
		Outer_Full	21.18	/	/	19.92	/	/	<=34.77	Pass
		Inner_Full	21.15	/	/	19.89	/	/	<=34.77	Pass
		Inner_1RB_Left	21.24	/	/	19.98	/	/	<=34.77	Pass
	680.5	Inner_1RB_Right	21.00	/	/	19.74	/	/	<=34.77	Pass
		Edge_1RB_Left	20.86	/	/	19.6	/	/	<=34.77	Pass
		Edge_1RB_Right	21.57	/	/	20.31	/	/	<=34.77	Pass
		Outer_Full	21.18	/	/	19.92	/	/	<=34.77	Pass
		Inner_Full	21.19	/	/	19.93	/	/	<=34.77	Pass
		Inner_1RB_Left	21.39	/	/	20.13	/	/	<=34.77	Pass
	688	Inner_1RB_Right	21.33	/	/	20.07	/	/	<=34.77	Pass
		Edge_1RB_Left	21.32	/	/	20.06	/	/	<=34.77	Pass
		Edge_1RB_Right	20.90	/	/	19.64	/	/	<=34.77	Pass
		Outer_Full	21.29	/	/	20.03	/	/	<=34.77	Pass
		Inner_Full	21.36	/	/	20.1	/	/	<=34.77	Pass
		Inner_1RB_Left	21.43	/	/	20.17	/	/	<=34.77	Pass
CP-OFDM 256 QAM	673	Inner_1RB_Right	21.06	/	/	19.8	/	/	<=34.77	Pass
		Edge_1RB_Left	18.17	/	/	16.91	/	/	<=34.77	Pass
		Edge_1RB_Right	18.08	/	/	16.82	/	/	<=34.77	Pass
		Outer_Full	18.24	/	/	16.98	/	/	<=34.77	Pass
		Inner_Full	18.20	/	/	16.94	/	/	<=34.77	Pass
		Inner_1RB_Left	18.15	/	/	16.89	/	/	<=34.77	Pass
		Inner_1RB_Right	18.24	/	/	16.98	/	/	<=34.77	Pass



	680.5	Edge_1RB_Left	18.17	/	/	16.91	/	/	<=34.77	Pass
		Edge_1RB_Right	18.80	/	/	17.54	/	/	<=34.77	Pass
		Outer_Full	18.20	/	/	16.94	/	/	<=34.77	Pass
		Inner_Full	18.16	/	/	16.9	/	/	<=34.77	Pass
		Inner_1RB_Left	17.99	/	/	16.73	/	/	<=34.77	Pass
		Inner_1RB_Right	18.50	/	/	17.24	/	/	<=34.77	Pass
	688	Edge_1RB_Left	18.13	/	/	16.87	/	/	<=34.77	Pass
		Edge_1RB_Right	18.26	/	/	17	/	/	<=34.77	Pass
		Outer_Full	18.30	/	/	17.04	/	/	<=34.77	Pass
		Inner_Full	18.34	/	/	17.08	/	/	<=34.77	Pass
		Inner_1RB_Left	18.37	/	/	17.11	/	/	<=34.77	Pass
		Inner_1RB_Right	18.04	/	/	16.78	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.89dBi;										
Note2: ERP=Conducted Power+Antenna Gain-2.15										

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 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	-9.20	-0.0135	>=-2.5 & <=2.5	Pass
				HV	-11.50	-0.0169	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0109	>=-2.5 & <=2.5	Pass
			-20	NV	-10.20	-0.0150	>=-2.5 & <=2.5	Pass
			-10	NV	-11.90	-0.0175	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0140	>=-2.5 & <=2.5	Pass
			10	NV	-11.60	-0.0170	>=-2.5 & <=2.5	Pass
			20	NV	-15.10	-0.0222	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0076	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0103	>=-2.5 & <=2.5	Pass
			50	NV	-11.40	-0.0168	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	680.5	Outer_Full	20	LV	-10.40	-0.0153	>=-2.5 & <=2.5	Pass
				HV	-11.20	-0.0165	>=-2.5 & <=2.5	Pass





			-30	NV	-6.90	-0.0101	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-8.40	-0.0123	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-9.80	-0.0144	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-11.00	-0.0162	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-10.80	-0.0159	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-11.70	-0.0172	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	1.50	0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-11.30	-0.0166	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-9.90	-0.0145	$\geq -2.5$ & $\leq 2.5$	Pass
DFT-s-OFDM 16 QAM	680.5	Outer_Full	20	LV	-11.20	-0.0165	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-11.70	-0.0172	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-7.50	-0.0110	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-9.20	-0.0135	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-12.20	-0.0179	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-11.40	-0.0168	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-12.70	-0.0187	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-12.60	-0.0185	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-7.50	-0.0110	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-9.70	-0.0143	$\geq -2.5$ & $\leq 2.5$	Pass
DFT-s-OFDM 64 QAM	680.5	Outer_Full	20	LV	-10.60	-0.0156	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-20.40	-0.0300	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-6.90	-0.0101	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-11.20	-0.0165	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-12.00	-0.0176	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-10.80	-0.0159	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-10.00	-0.0147	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-11.20	-0.0165	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-6.40	-0.0094	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-12.80	-0.0188	$\geq -2.5$ & $\leq 2.5$	Pass
DFT-s-OFDM 256 QAM	680.5	Outer_Full	20	LV	-5.10	-0.0075	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-1.30	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-6.90	-0.0101	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-8.50	-0.0125	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-8.60	-0.0126	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-7.40	-0.0109	$\geq -2.5$ & $\leq 2.5$	Pass



			10	NV	-4.50	-0.0066	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-5.90	-0.0087	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-10.50	-0.0154	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-3.90	-0.0057	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-6.10	-0.0090	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM QPSK	680.5	Outer_Full	20	LV	-4.10	-0.0060	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-9.50	-0.0140	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-6.80	-0.0100	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-3.80	-0.0056	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-8.10	-0.0119	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-8.90	-0.0131	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-7.10	-0.0104	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-4.60	-0.0068	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-8.90	-0.0131	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-5.40	-0.0079	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-7.40	-0.0109	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	680.5	Outer_Full	20	LV	-7.90	-0.0116	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-8.80	-0.0129	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-7.40	-0.0109	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-8.00	-0.0118	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-4.60	-0.0068	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-6.40	-0.0094	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-6.70	-0.0098	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-6.20	-0.0091	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-13.90	-0.0204	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-9.10	-0.0134	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 64 QAM	680.5	Outer_Full	20	LV	-9.20	-0.0135	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-6.40	-0.0094	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-5.80	-0.0085	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-6.40	-0.0094	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-6.00	-0.0088	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-6.30	-0.0093	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-4.50	-0.0066	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-6.40	-0.0094	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-8.70	-0.0128	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-5.90	-0.0087	$\geq -2.5$ & $\leq 2.5$	Pass



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			50	NV	-5.60	-0.0082	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	680.5	Outer_Full	20	LV	-9.00	-0.0132	$\geq -2.5$ & $\leq 2.5$	Pass
				HV	-6.60	-0.0097	$\geq -2.5$ & $\leq 2.5$	Pass
			-30	NV	-5.30	-0.0078	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-8.20	-0.0120	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-5.30	-0.0078	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-6.20	-0.0091	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-9.30	-0.0137	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-6.50	-0.0096	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-7.20	-0.0106	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-9.70	-0.0143	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-5.40	-0.0079	$\geq -2.5$ & $\leq 2.5$	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	4.58	5.30	/	Pass
	680.5	Outer_Full	4.58	5.29	/	Pass
	695.5	Outer_Full	4.55	5.30	/	Pass
DFT-s-OFDM QPSK	665.5	Outer_Full	4.57	5.36	/	Pass
	680.5	Outer_Full	4.57	5.33	/	Pass
	695.5	Outer_Full	4.57	5.32	/	Pass
DFT-s-OFDM 16 QAM	665.5	Outer_Full	4.58	5.36	/	Pass
	680.5	Outer_Full	4.55	4.97	/	Pass
	695.5	Outer_Full	4.58	5.33	/	Pass
DFT-s-OFDM 64 QAM	665.5	Outer_Full	4.57	5.38	/	Pass
	680.5	Outer_Full	4.58	5.33	/	Pass
	695.5	Outer_Full	4.57	5.26	/	Pass
DFT-s-OFDM 256 QAM	665.5	Outer_Full	4.56	5.26	/	Pass
	680.5	Outer_Full	4.59	5.30	/	Pass
	695.5	Outer_Full	4.54	5.23	/	Pass



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CP-OFDM QPSK	665.5	Outer_Full	4.55	5.48	/	Pass
	680.5	Outer_Full	4.56	5.36	/	Pass
	695.5	Outer_Full	4.57	5.31	/	Pass
CP-OFDM 16 QAM	665.5	Outer_Full	4.55	5.42	/	Pass
	680.5	Outer_Full	4.57	5.33	/	Pass
	695.5	Outer_Full	4.56	5.38	/	Pass
CP-OFDM 64 QAM	665.5	Outer_Full	4.57	5.41	/	Pass
	680.5	Outer_Full	4.56	5.39	/	Pass
	695.5	Outer_Full	4.56	5.36	/	Pass
CP-OFDM 256 QAM	665.5	Outer_Full	4.57	5.30	/	Pass
	680.5	Outer_Full	4.57	5.29	/	Pass
	695.5	Outer_Full	4.55	5.33	/	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	9.10	9.98	/	Pass
	680.5	Outer_Full	9.05	9.93	/	Pass
	693	Outer_Full	9.02	9.94	/	Pass
DFT-s-OFDM QPSK	668	Outer_Full	9.04	9.92	/	Pass
	680.5	Outer_Full	9.06	10.05	/	Pass
	693	Outer_Full	9.02	10.02	/	Pass
DFT-s-OFDM 16 QAM	668	Outer_Full	9.04	9.99	/	Pass
	680.5	Outer_Full	9.05	9.99	/	Pass
	693	Outer_Full	9.05	9.95	/	Pass
DFT-s-OFDM 64 QAM	668	Outer_Full	9.01	10.07	/	Pass
	680.5	Outer_Full	9.06	9.98	/	Pass
	693	Outer_Full	9.03	10.02	/	Pass
DFT-s-OFDM 256 QAM	668	Outer_Full	9.05	10.04	/	Pass
	680.5	Outer_Full	9.08	9.78	/	Pass
	693	Outer_Full	9.01	10.02	/	Pass
CP-OFDM QPSK	668	Outer_Full	9.35	10.33	/	Pass
	680.5	Outer_Full	9.37	10.44	/	Pass
	693	Outer_Full	9.35	10.37	/	Pass
CP-OFDM 16 QAM	668	Outer_Full	9.38	10.35	/	Pass
	680.5	Outer_Full	9.38	10.40	/	Pass



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	693	Outer_Full	9.38	10.42	/	Pass
CP-OFDM 64 QAM	668	Outer_Full	9.35	10.29	/	Pass
	680.5	Outer_Full	9.42	10.41	/	Pass
	693	Outer_Full	9.35	10.35	/	Pass
CP-OFDM 256 QAM	668	Outer_Full	9.37	9.93	/	Pass
	680.5	Outer_Full	9.39	10.48	/	Pass
	693	Outer_Full	9.36	10.40	/	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	13.58	14.57	/	Pass
	680.5	Outer_Full	13.56	14.68	/	Pass
	690.5	Outer_Full	13.53	14.73	/	Pass
DFT-s-OFDM QPSK	670.5	Outer_Full	13.53	14.73	/	Pass
	680.5	Outer_Full	13.55	14.74	/	Pass
	690.5	Outer_Full	13.52	14.75	/	Pass
DFT-s-OFDM 16 QAM	670.5	Outer_Full	13.51	14.78	/	Pass
	680.5	Outer_Full	13.57	14.85	/	Pass
	690.5	Outer_Full	13.56	14.82	/	Pass
DFT-s-OFDM 64 QAM	670.5	Outer_Full	13.51	14.79	/	Pass
	680.5	Outer_Full	13.56	14.79	/	Pass
	690.5	Outer_Full	13.50	14.77	/	Pass
DFT-s-OFDM 256 QAM	670.5	Outer_Full	13.52	14.74	/	Pass
	680.5	Outer_Full	13.51	14.63	/	Pass
	690.5	Outer_Full	13.51	14.80	/	Pass
CP-OFDM QPSK	670.5	Outer_Full	14.21	15.51	/	Pass
	680.5	Outer_Full	14.23	15.55	/	Pass
	690.5	Outer_Full	14.19	15.47	/	Pass
CP-OFDM 16 QAM	670.5	Outer_Full	14.26	15.34	/	Pass
	680.5	Outer_Full	14.23	15.54	/	Pass
	690.5	Outer_Full	14.21	15.56	/	Pass
CP-OFDM 64 QAM	670.5	Outer_Full	14.21	15.43	/	Pass
	680.5	Outer_Full	14.28	15.53	/	Pass
	690.5	Outer_Full	14.23	15.42	/	Pass
CP-OFDM 256 QAM	670.5	Outer_Full	14.22	15.51	/	Pass



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	680.5	Outer_Full	14.25	15.48	/	Pass
	690.5	Outer_Full	14.20	15.24	/	Pass

### 3.1.4 15k\_SISO\_20MHz\_NTNV

5G NR n71 SCS=15kHz SISO 20MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	673	Outer_Full	18.00	19.42	/	Pass
	680.5	Outer_Full	18.08	19.48	/	Pass
	688	Outer_Full	18.01	19.51	/	Pass
DFT-s-OFDM QPSK	673	Outer_Full	17.92	19.49	/	Pass
	680.5	Outer_Full	18.05	19.63	/	Pass
	688	Outer_Full	17.97	19.48	/	Pass
DFT-s-OFDM 16 QAM	673	Outer_Full	17.95	19.46	/	Pass
	680.5	Outer_Full	18.10	19.47	/	Pass
	688	Outer_Full	18.02	19.37	/	Pass
DFT-s-OFDM 64 QAM	673	Outer_Full	17.97	19.50	/	Pass
	680.5	Outer_Full	18.05	19.55	/	Pass
	688	Outer_Full	17.92	19.52	/	Pass
DFT-s-OFDM 256 QAM	673	Outer_Full	18.05	19.48	/	Pass
	680.5	Outer_Full	18.05	19.58	/	Pass
	688	Outer_Full	18.01	19.41	/	Pass
CP-OFDM QPSK	673	Outer_Full	18.97	20.60	/	Pass
	680.5	Outer_Full	19.09	20.63	/	Pass
	688	Outer_Full	18.98	20.66	/	Pass
CP-OFDM 16 QAM	673	Outer_Full	19.00	20.54	/	Pass
	680.5	Outer_Full	19.05	20.27	/	Pass
	688	Outer_Full	19.02	20.59	/	Pass
CP-OFDM 64 QAM	673	Outer_Full	18.97	20.55	/	Pass
	680.5	Outer_Full	19.05	20.58	/	Pass
	688	Outer_Full	19.03	20.56	/	Pass
CP-OFDM 256 QAM	673	Outer_Full	18.98	20.48	/	Pass
	680.5	Outer_Full	19.06	20.65	/	Pass
	688	Outer_Full	19.03	20.49	/	Pass



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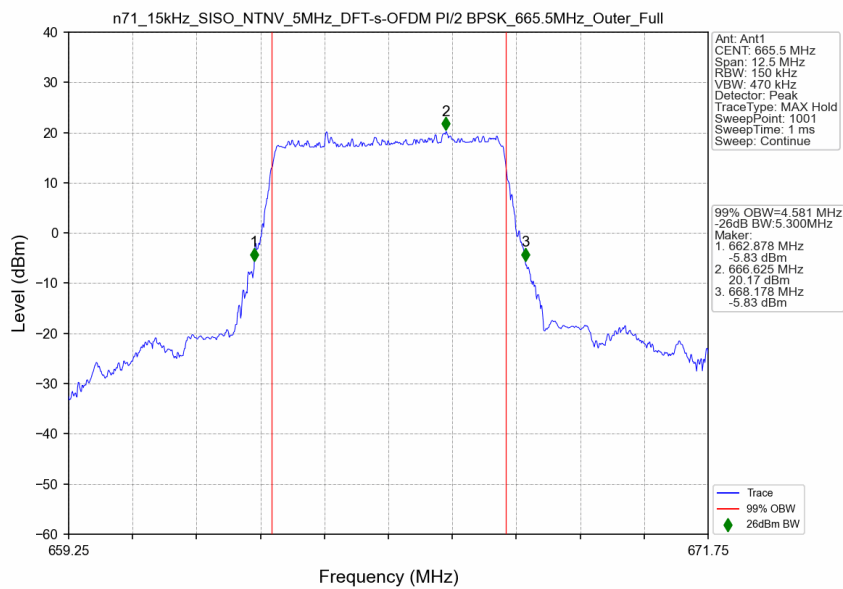
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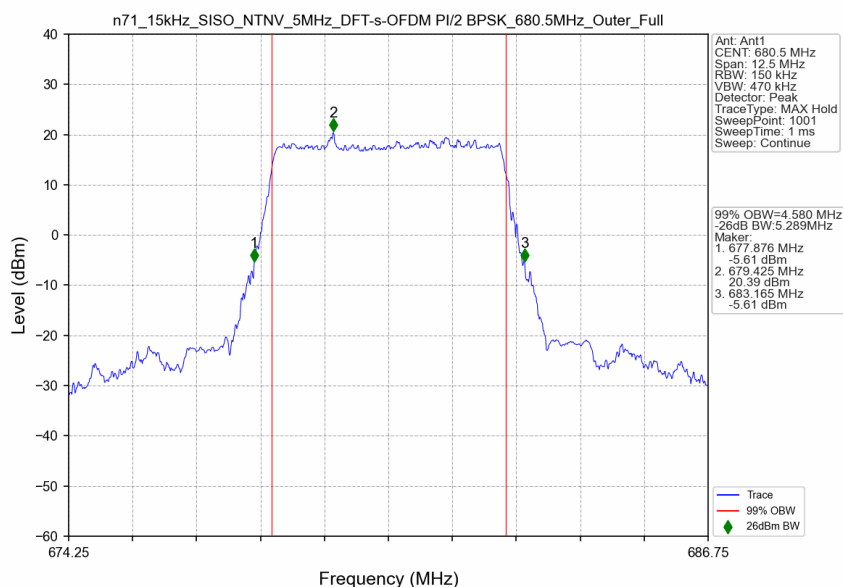
### 3.2 Test Graph

#### 3.2.1 15k\_SISO\_5MHz\_NTNV

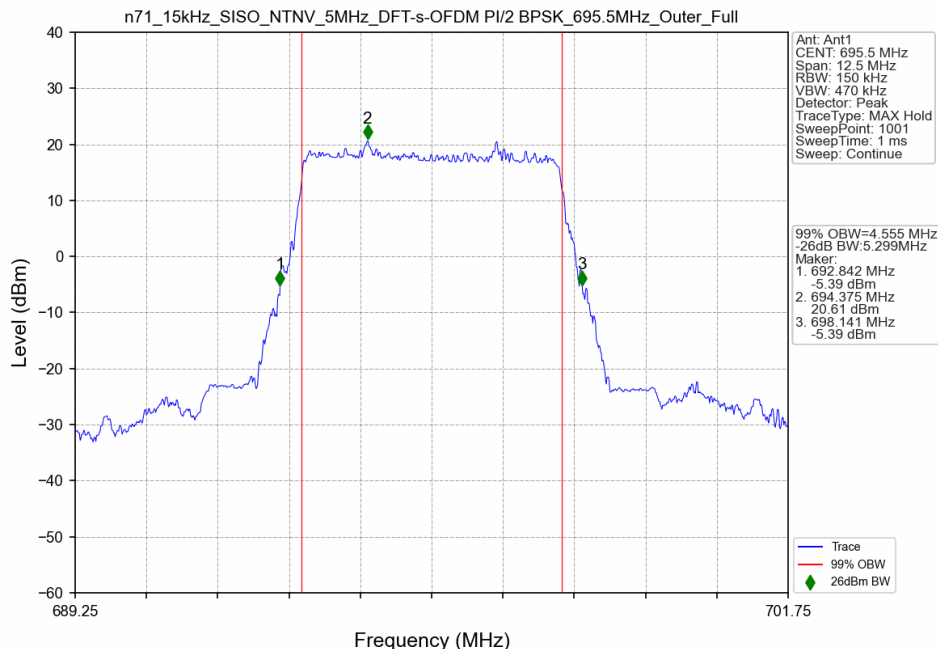
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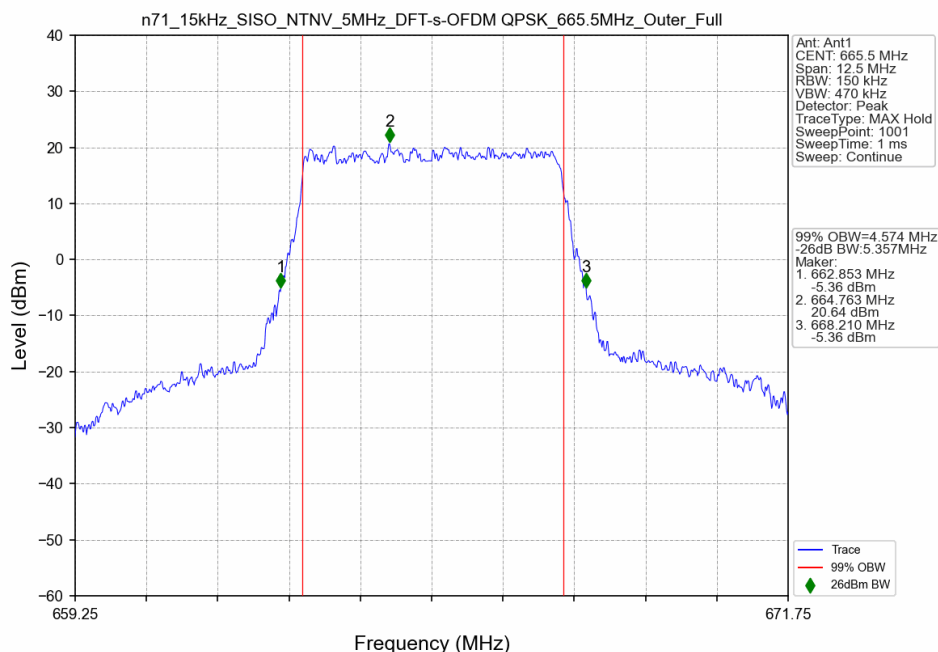
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### n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_695.5MHz\_Outer\_Full



### n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_665.5MHz\_Outer\_Full



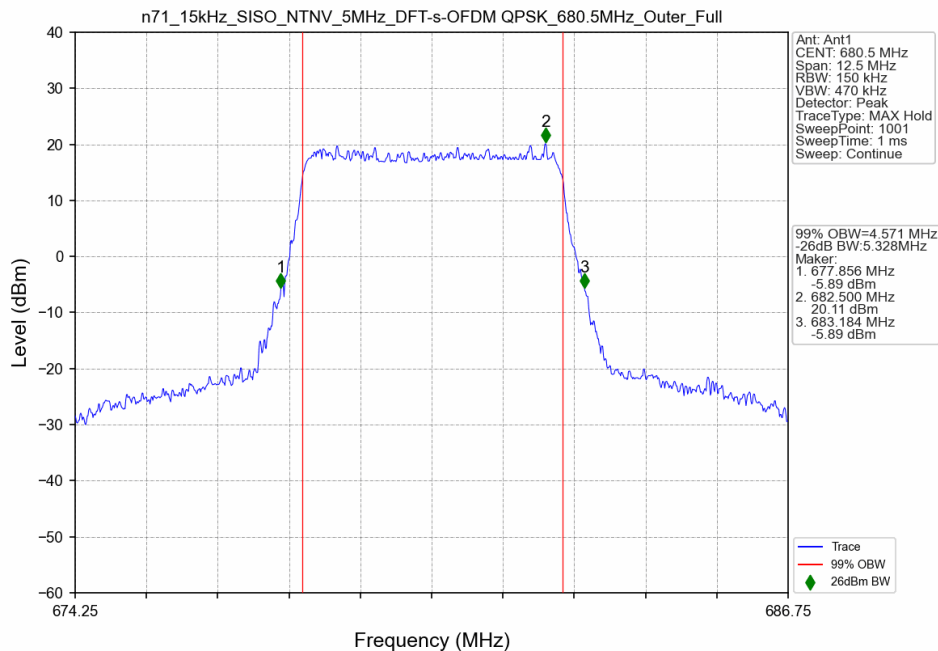
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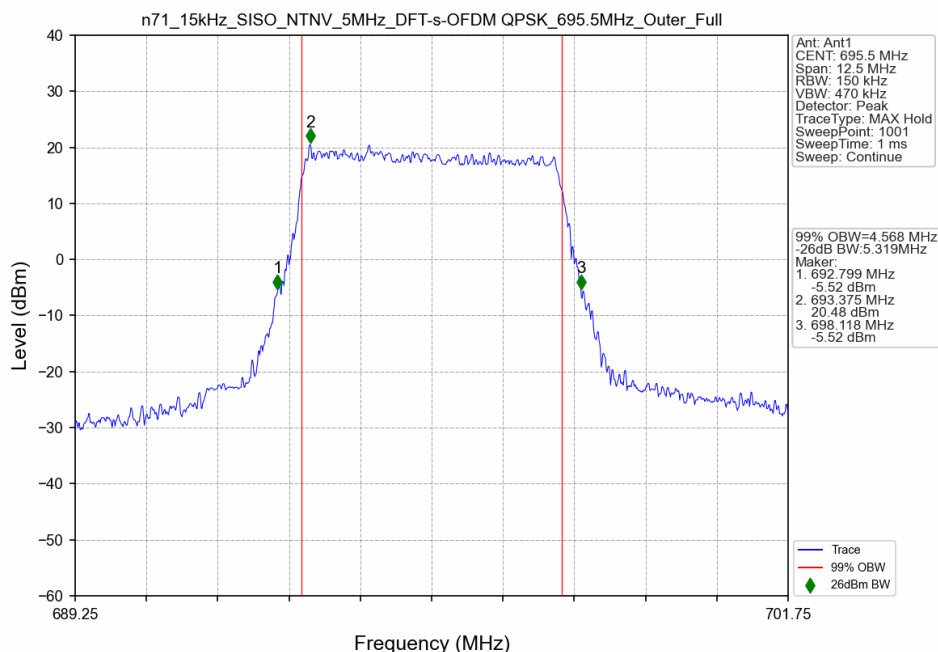
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### n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_680.5MHz\_Outer\_Full



### n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_695.5MHz\_Outer\_Full

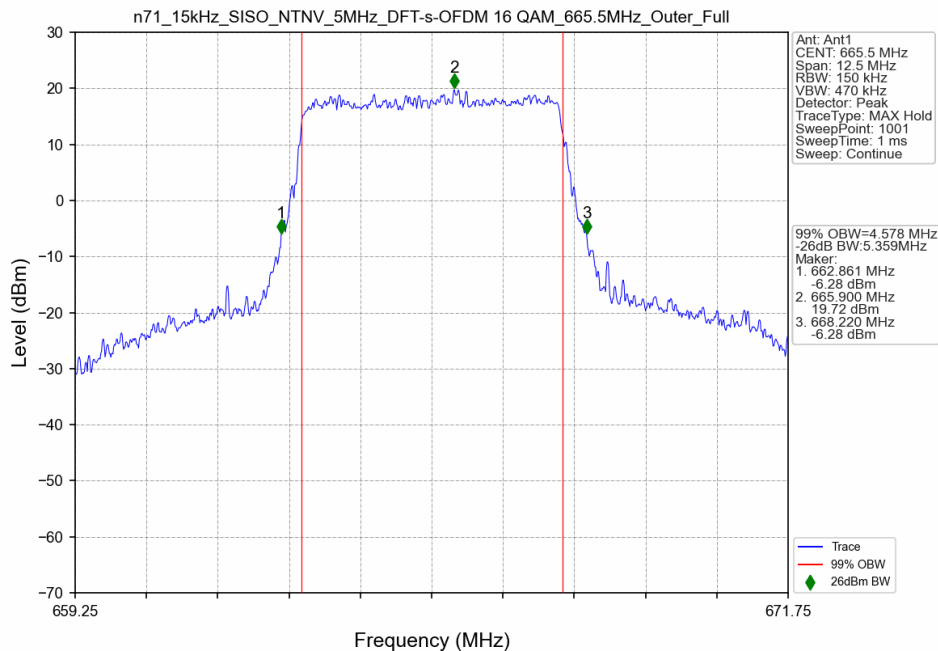


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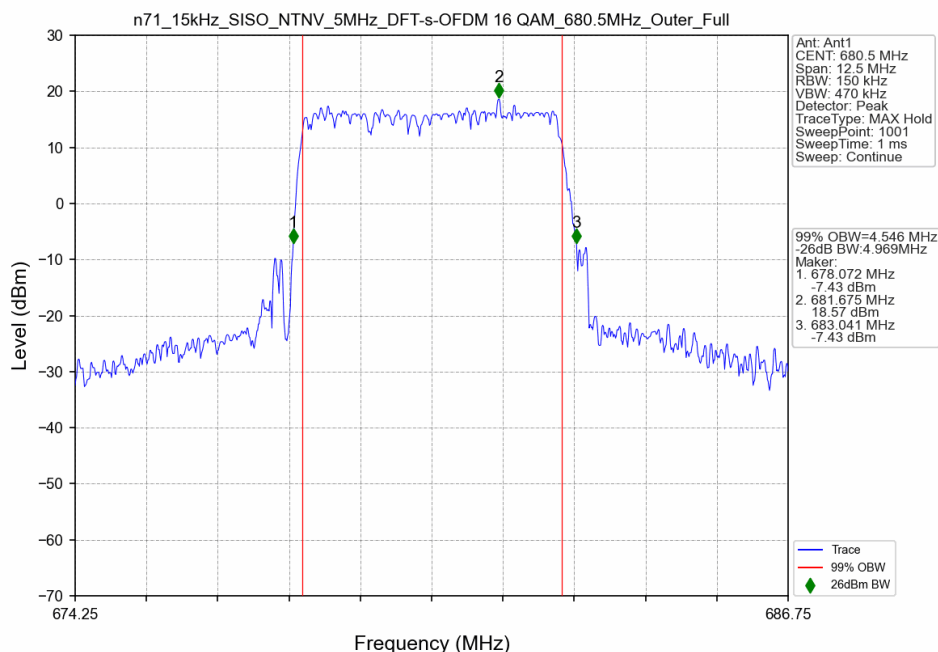
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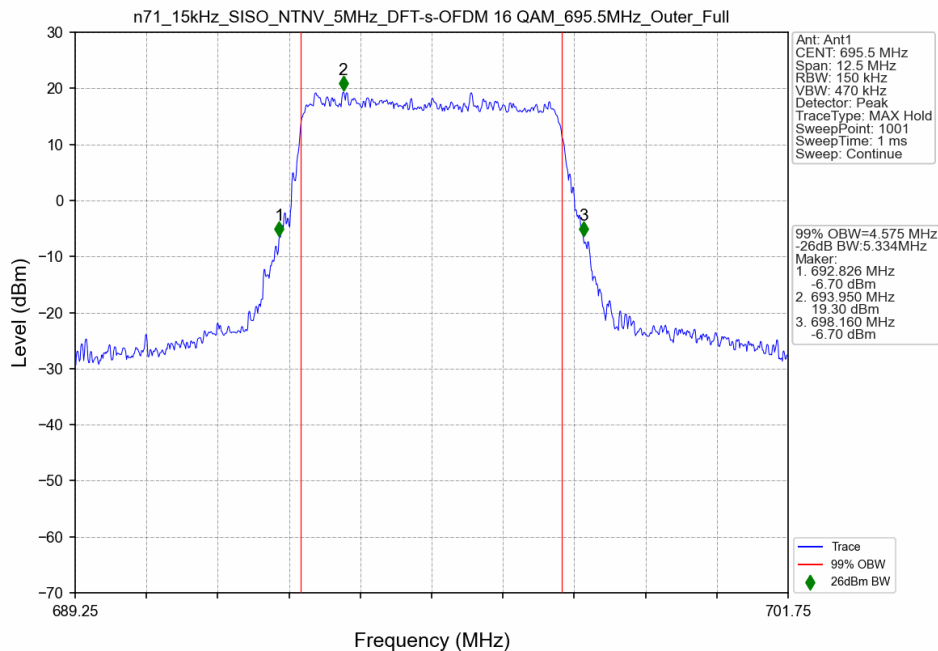
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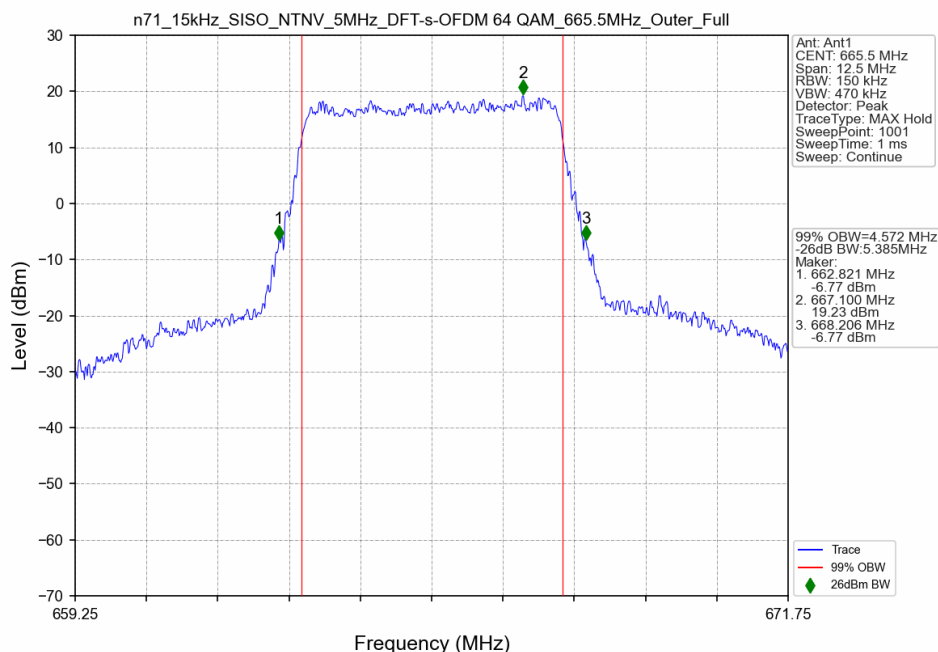
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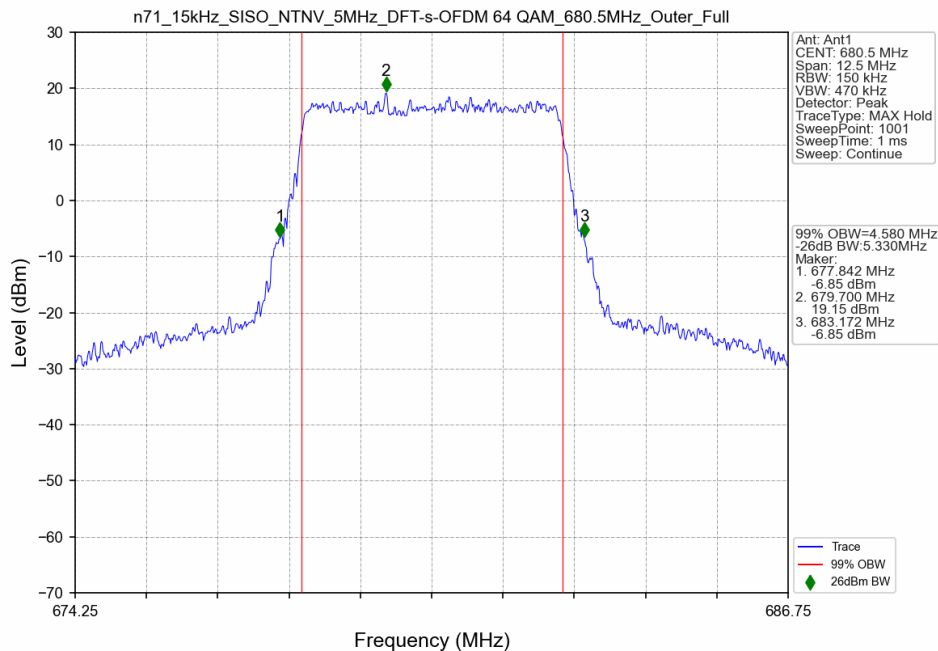
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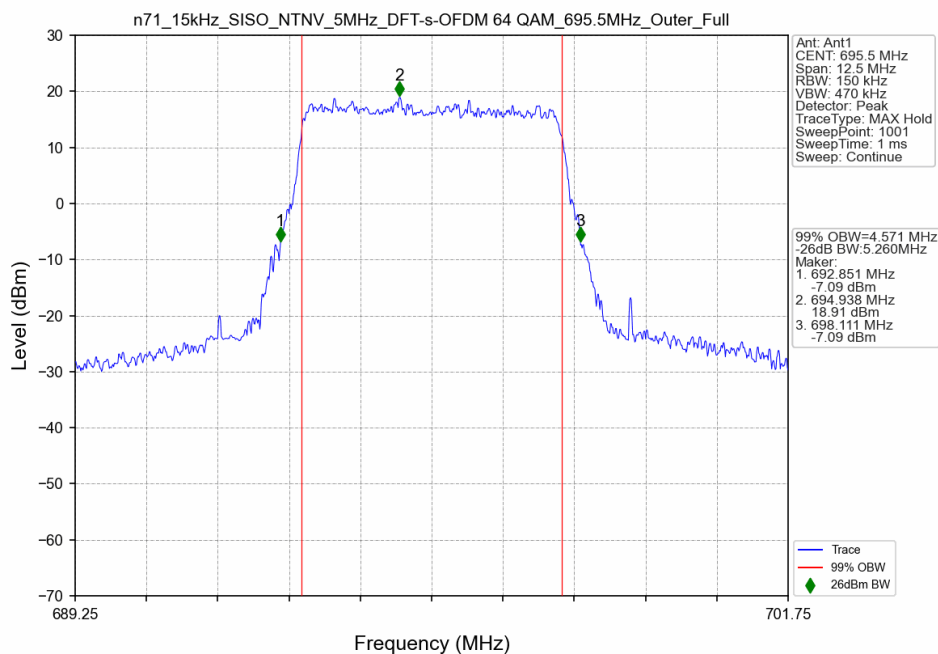
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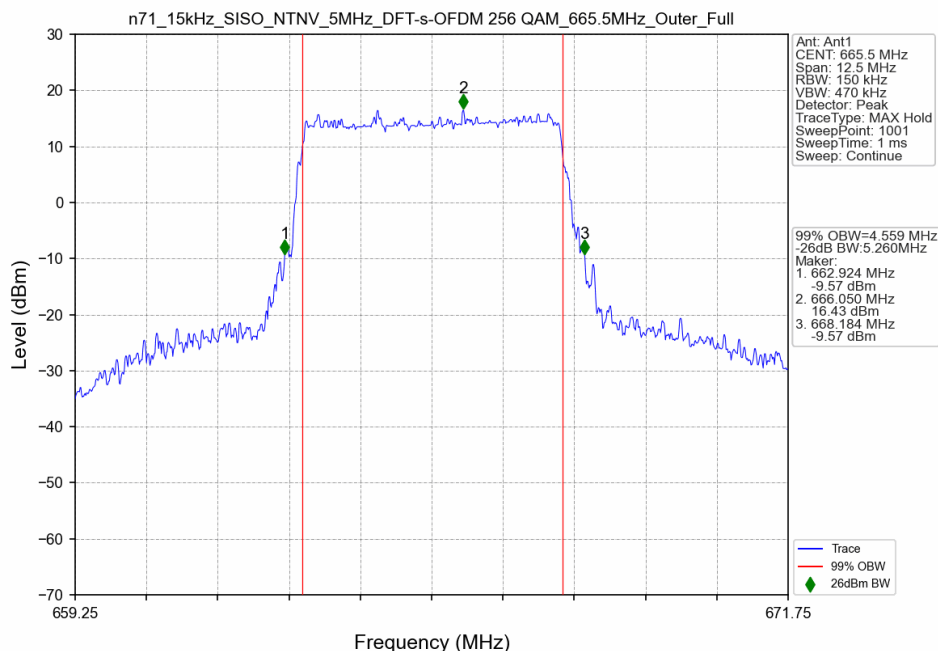


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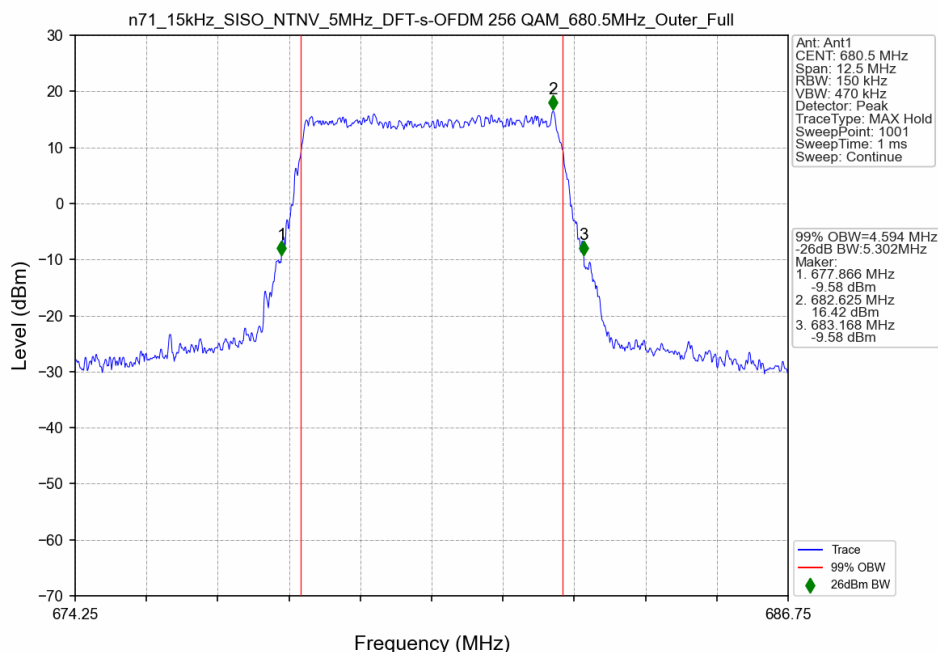




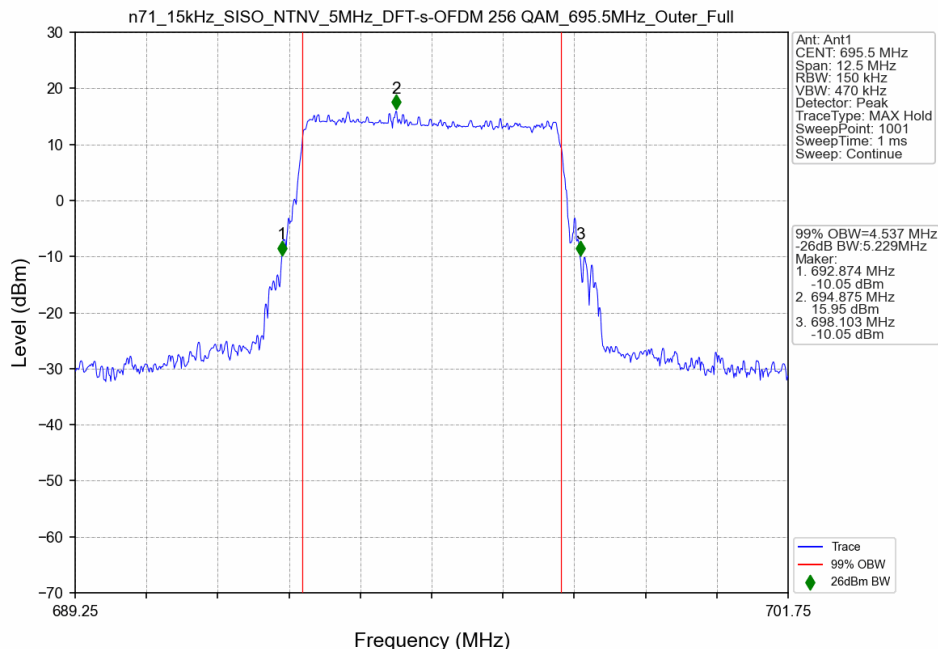
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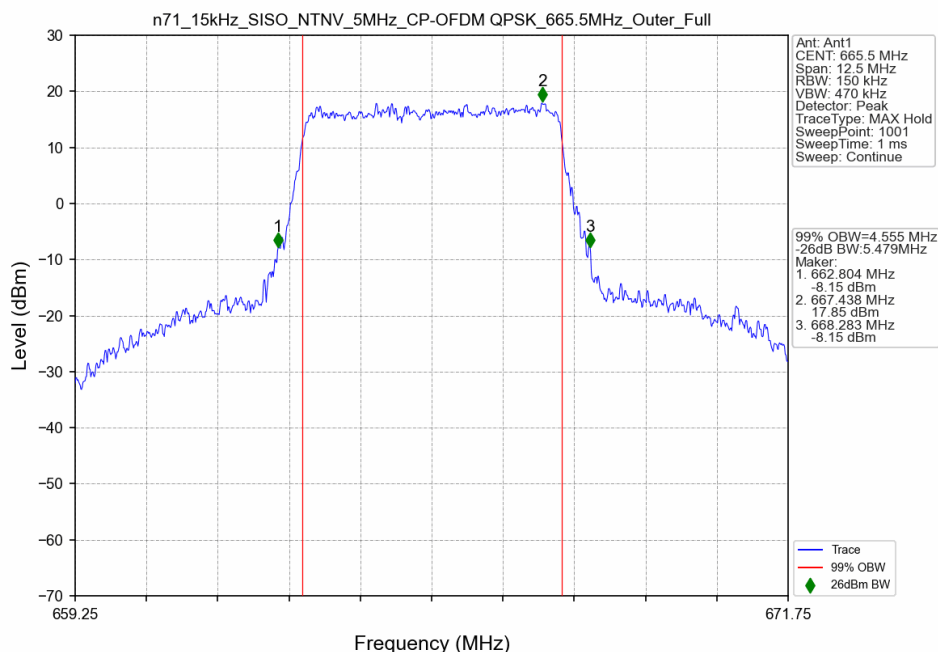
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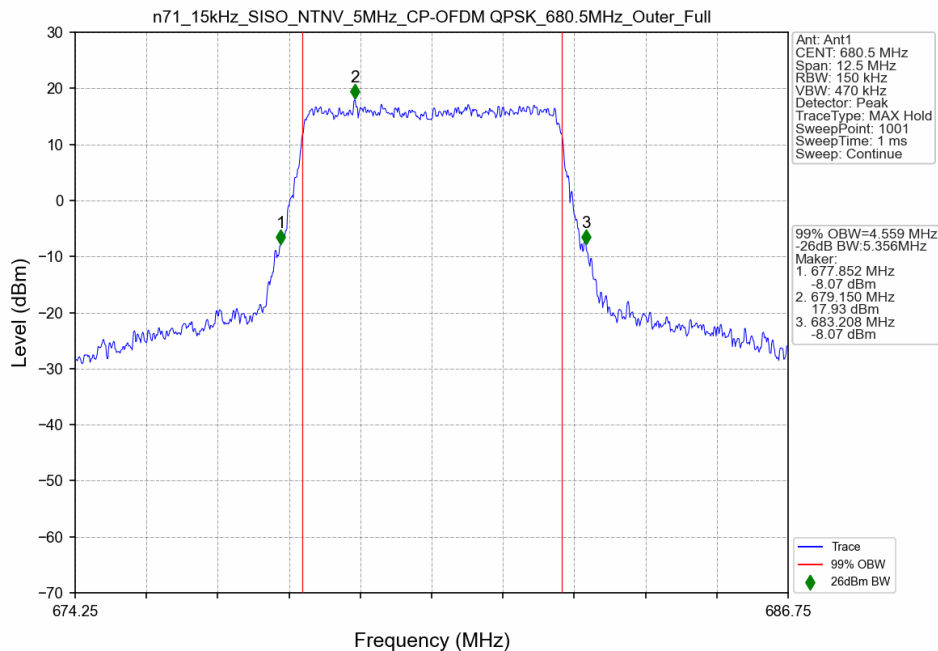
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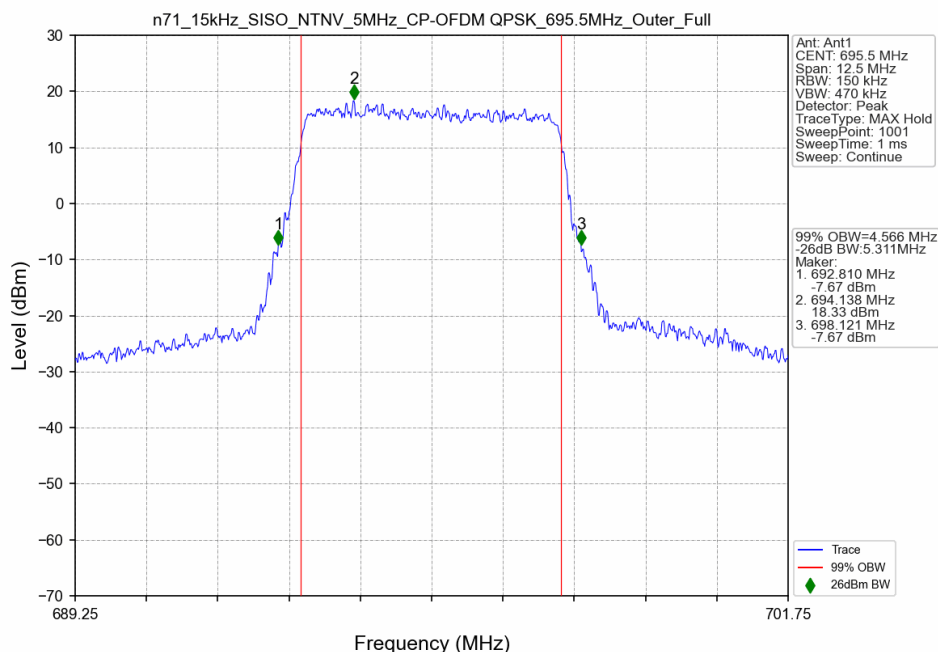
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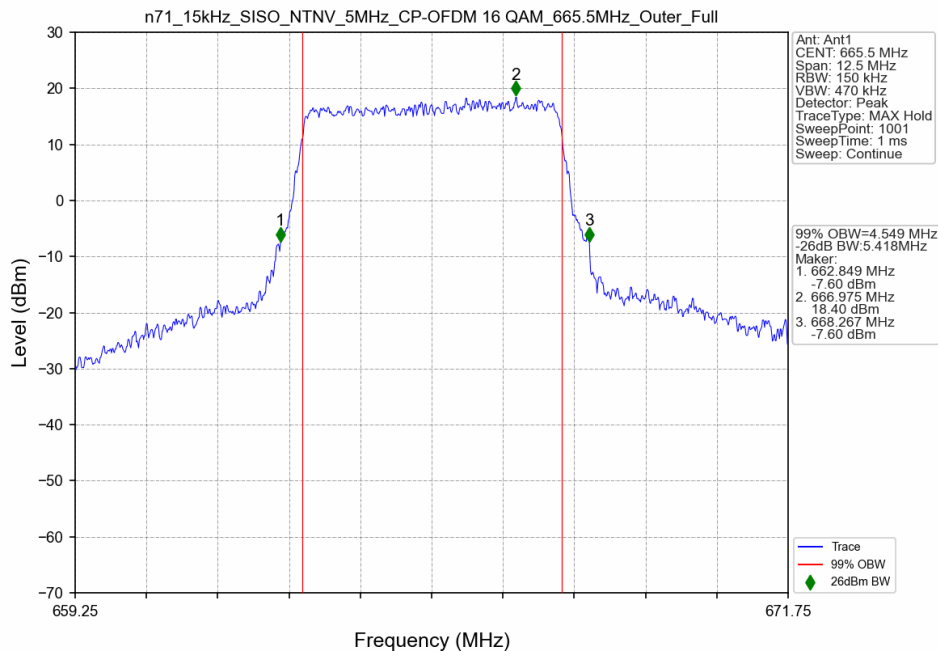
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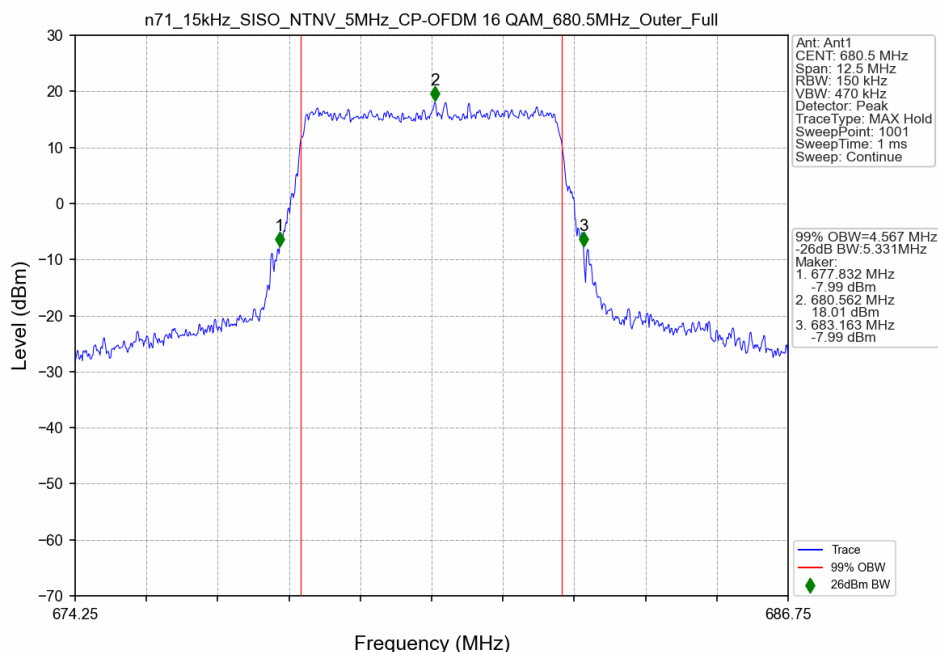
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n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM\_665.5MHz\_Outer\_Full



n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM\_680.5MHz\_Outer\_Full



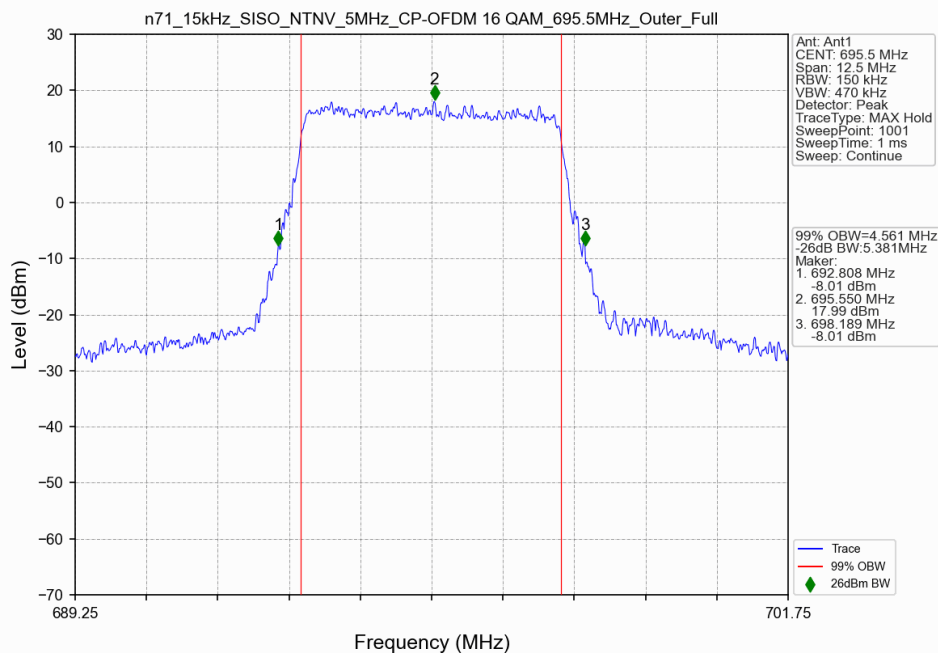
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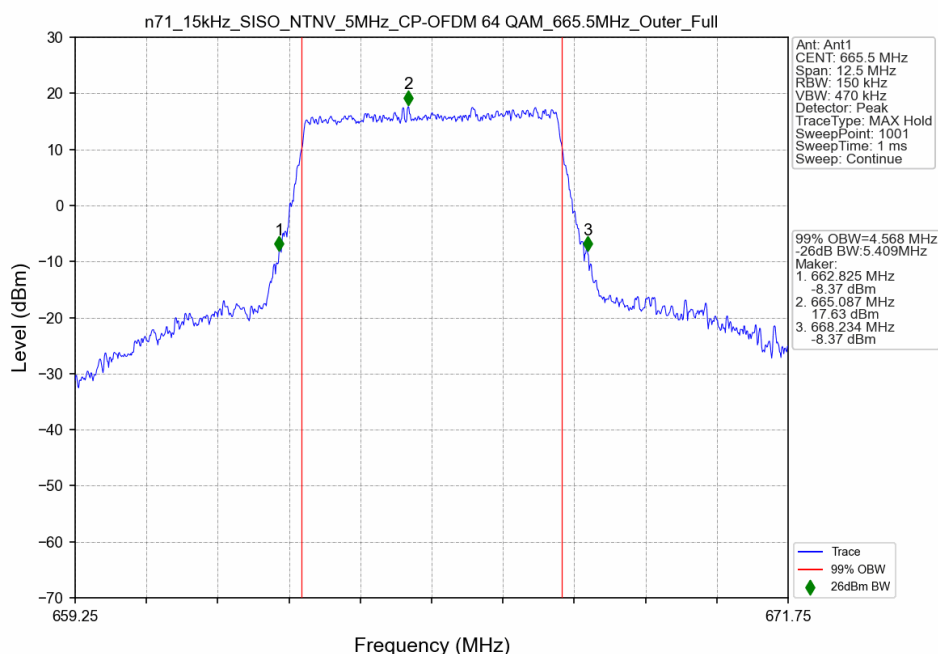
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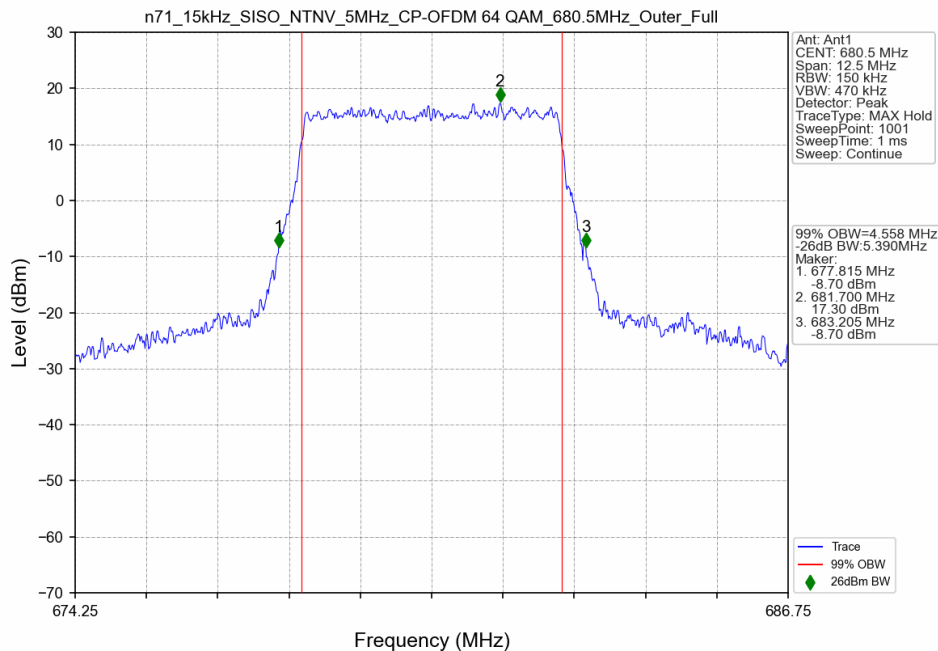
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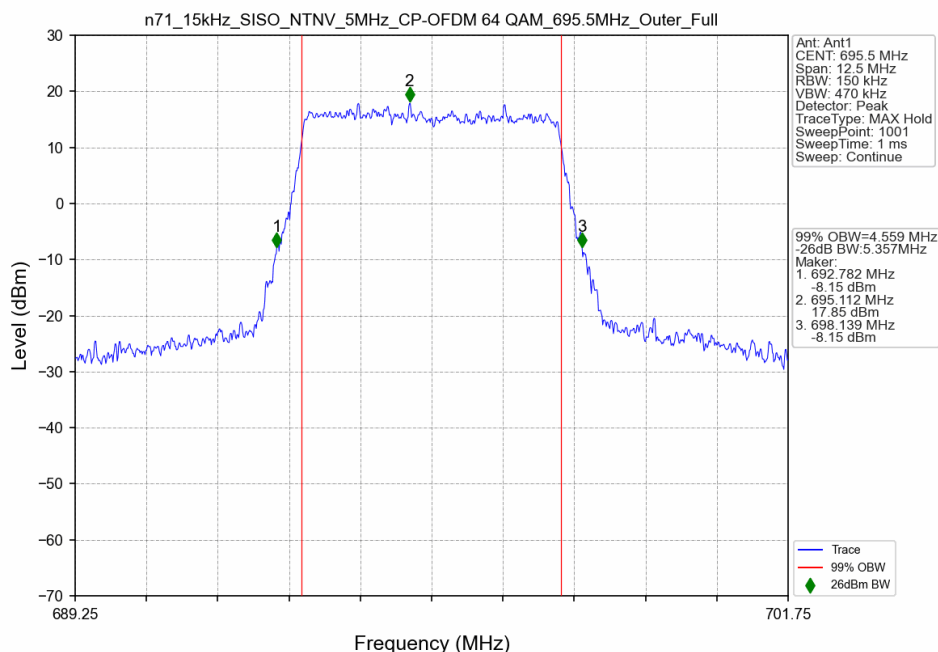
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n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_680.5MHz\_Outer\_Full



n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_695.5MHz\_Outer\_Full

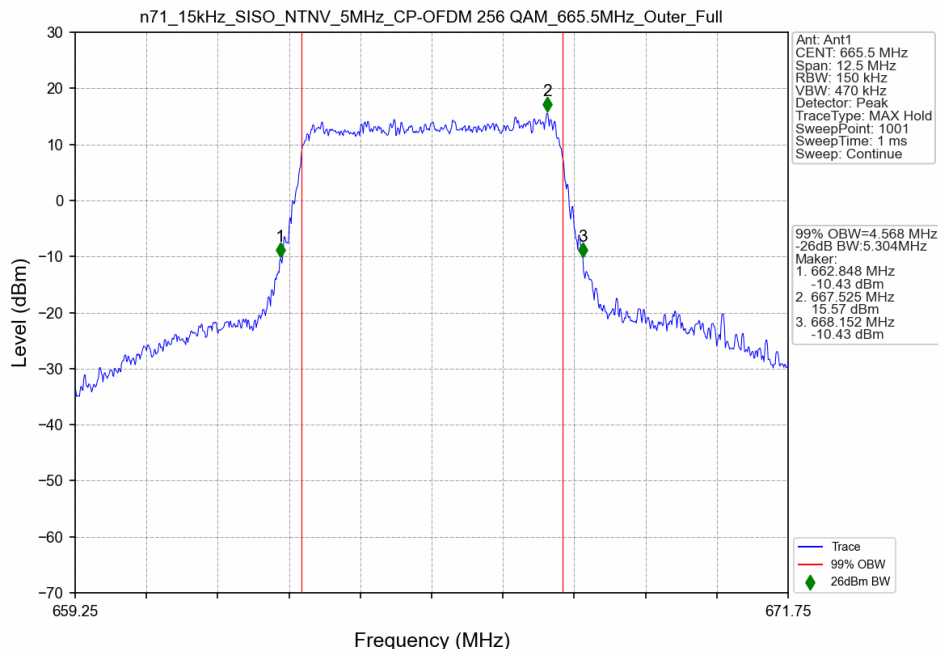


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### n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 256 QAM\_665.5MHz\_Outer\_Full



### n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 256 QAM\_680.5MHz\_Outer\_Full

