

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

5G NR n5 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	826.5	Outer_Full	23.11	/	/	21.96	/	/	<=38.5	Pass
		Inner_Full	23.64	/	/	22.49	/	/	<=38.5	Pass
		Inner_1RB_Left	23.60	/	/	22.45	/	/	<=38.5	Pass
		Inner_1RB_Right	23.75	/	/	22.60	/	/	<=38.5	Pass
	836.5	Outer_Full	23.18	/	/	22.03	/	/	<=38.5	Pass
		Inner_Full	23.82	/	/	22.67	/	/	<=38.5	Pass
		Inner_1RB_Left	23.81	/	/	22.66	/	/	<=38.5	Pass
		Inner_1RB_Right	23.78	/	/	22.63	/	/	<=38.5	Pass
	846.5	Outer_Full	23.27	/	/	22.12	/	/	<=38.5	Pass
		Inner_Full	23.79	/	/	22.64	/	/	<=38.5	Pass
		Inner_1RB_Left	23.82	/	/	22.67	/	/	<=38.5	Pass
		Inner_1RB_Right	23.76	/	/	22.61	/	/	<=38.5	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	23.00	/	/	21.85	/	/	<=38.5	Pass
		Inner_Full	23.70	/	/	22.55	/	/	<=38.5	Pass
		Inner_1RB_Left	23.66	/	/	22.51	/	/	<=38.5	Pass
		Inner_1RB_Right	23.69	/	/	22.54	/	/	<=38.5	Pass
	836.5	Outer_Full	23.16	/	/	22.01	/	/	<=38.5	Pass
		Inner_Full	23.77	/	/	22.62	/	/	<=38.5	Pass
		Inner_1RB_Left	23.71	/	/	22.56	/	/	<=38.5	Pass
		Inner_1RB_Right	23.87	/	/	22.72	/	/	<=38.5	Pass
	846.5	Outer_Full	23.23	/	/	22.08	/	/	<=38.5	Pass
		Inner_Full	23.83	/	/	22.68	/	/	<=38.5	Pass
		Inner_1RB_Left	23.84	/	/	22.69	/	/	<=38.5	Pass
		Inner_1RB_Right	23.65	/	/	22.50	/	/	<=38.5	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	21.90	/	/	20.75	/	/	<=38.5	Pass
		Inner_Full	23.14	/	/	21.99	/	/	<=38.5	Pass
		Inner_1RB_Left	22.94	/	/	21.79	/	/	<=38.5	Pass
		Inner_1RB_Right	22.96	/	/	21.81	/	/	<=38.5	Pass
	836.5	Outer_Full	22.15	/	/	21.00	/	/	<=38.5	Pass
		Inner_Full	23.24	/	/	22.09	/	/	<=38.5	Pass
		Inner_1RB_Left	23.11	/	/	21.96	/	/	<=38.5	Pass
		Inner_1RB_Right	23.15	/	/	22.00	/	/	<=38.5	Pass
	846.5	Outer_Full	22.18	/	/	21.03	/	/	<=38.5	Pass
		Inner_Full	23.24	/	/	22.09	/	/	<=38.5	Pass
		Inner_1RB_Left	22.97	/	/	21.82	/	/	<=38.5	Pass
		Inner_1RB_Right	23.06	/	/	21.91	/	/	<=38.5	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	21.52	/	/	20.37	/	/	<=38.5	Pass
		Inner_Full	21.48	/	/	20.33	/	/	<=38.5	Pass
		Inner_1RB_Left	21.42	/	/	20.27	/	/	<=38.5	Pass
		Inner_1RB_Right	21.45	/	/	20.30	/	/	<=38.5	Pass
	836.5	Outer_Full	21.65	/	/	20.50	/	/	<=38.5	Pass
		Inner_Full	21.62	/	/	20.47	/	/	<=38.5	Pass
		Inner_1RB_Left	21.54	/	/	20.39	/	/	<=38.5	Pass
		Inner_1RB_Right	21.63	/	/	20.48	/	/	<=38.5	Pass
	846.5	Outer_Full	21.69	/	/	20.54	/	/	<=38.5	Pass
		Inner_Full	21.72	/	/	20.57	/	/	<=38.5	Pass
		Inner_1RB_Left	21.52	/	/	20.37	/	/	<=38.5	Pass
		Inner_1RB_Right	21.47	/	/	20.32	/	/	<=38.5	Pass
DFT-s-OFDM 256	826.5	Outer_Full	19.56	/	/	18.41	/	/	<=38.5	Pass

QAM		Inner Full	19.47	/	/	18.32	/	/	<=38.5	Pass
		Inner 1RB Left	19.85	/	/	18.70	/	/	<=38.5	Pass
		Inner 1RB Right	19.90	/	/	18.75	/	/	<=38.5	Pass
	836.5	Outer Full	19.70	/	/	18.55	/	/	<=38.5	Pass
		Inner Full	19.71	/	/	18.56	/	/	<=38.5	Pass
		Inner 1RB Left	19.99	/	/	18.84	/	/	<=38.5	Pass
		Inner 1RB Right	19.84	/	/	18.69	/	/	<=38.5	Pass
	846.5	Outer Full	19.74	/	/	18.59	/	/	<=38.5	Pass
		Inner Full	19.64	/	/	18.49	/	/	<=38.5	Pass
		Inner 1RB Left	19.99	/	/	18.84	/	/	<=38.5	Pass
		Inner 1RB Right	19.91	/	/	18.76	/	/	<=38.5	Pass
CP-OFDM QPSK	826.5	Outer Full	21.01	/	/	19.86	/	/	<=38.5	Pass
		Inner Full	22.63	/	/	21.48	/	/	<=38.5	Pass
		Inner 1RB Left	22.48	/	/	21.33	/	/	<=38.5	Pass
		Inner 1RB Right	22.47	/	/	21.32	/	/	<=38.5	Pass
	836.5	Outer Full	21.17	/	/	20.02	/	/	<=38.5	Pass
		Inner Full	22.76	/	/	21.61	/	/	<=38.5	Pass
		Inner 1RB Left	22.69	/	/	21.54	/	/	<=38.5	Pass
		Inner 1RB Right	22.67	/	/	21.52	/	/	<=38.5	Pass
	846.5	Outer Full	21.21	/	/	20.06	/	/	<=38.5	Pass
		Inner Full	22.73	/	/	21.58	/	/	<=38.5	Pass
		Inner 1RB Left	22.68	/	/	21.53	/	/	<=38.5	Pass
		Inner 1RB Right	22.64	/	/	21.49	/	/	<=38.5	Pass
CP-OFDM 16 QAM	826.5	Outer Full	21.10	/	/	19.95	/	/	<=38.5	Pass
		Inner Full	22.31	/	/	21.16	/	/	<=38.5	Pass
		Inner 1RB Left	22.11	/	/	20.96	/	/	<=38.5	Pass
		Inner 1RB Right	22.00	/	/	20.85	/	/	<=38.5	Pass
	836.5	Outer Full	21.12	/	/	19.97	/	/	<=38.5	Pass
		Inner Full	22.38	/	/	21.23	/	/	<=38.5	Pass
		Inner 1RB Left	22.17	/	/	21.02	/	/	<=38.5	Pass
		Inner 1RB Right	22.20	/	/	21.05	/	/	<=38.5	Pass
	846.5	Outer Full	21.22	/	/	20.07	/	/	<=38.5	Pass
		Inner Full	22.42	/	/	21.27	/	/	<=38.5	Pass
		Inner 1RB Left	22.19	/	/	21.04	/	/	<=38.5	Pass
		Inner 1RB Right	21.99	/	/	20.84	/	/	<=38.5	Pass
CP-OFDM 64 QAM	826.5	Outer Full	20.39	/	/	19.24	/	/	<=38.5	Pass
		Inner Full	20.61	/	/	19.46	/	/	<=38.5	Pass
		Inner 1RB Left	20.60	/	/	19.45	/	/	<=38.5	Pass
		Inner 1RB Right	20.49	/	/	19.34	/	/	<=38.5	Pass
	836.5	Outer Full	20.53	/	/	19.38	/	/	<=38.5	Pass
		Inner Full	20.75	/	/	19.60	/	/	<=38.5	Pass
		Inner 1RB Left	20.68	/	/	19.53	/	/	<=38.5	Pass
		Inner 1RB Right	20.64	/	/	19.49	/	/	<=38.5	Pass
	846.5	Outer Full	20.67	/	/	19.52	/	/	<=38.5	Pass
		Inner Full	20.76	/	/	19.61	/	/	<=38.5	Pass
		Inner 1RB Left	20.71	/	/	19.56	/	/	<=38.5	Pass
		Inner 1RB Right	20.65	/	/	19.50	/	/	<=38.5	Pass
CP-OFDM 256 QAM	826.5	Outer Full	17.59	/	/	16.44	/	/	<=38.5	Pass
		Inner Full	17.57	/	/	16.42	/	/	<=38.5	Pass
		Inner 1RB Left	17.87	/	/	16.72	/	/	<=38.5	Pass
		Inner 1RB Right	17.89	/	/	16.74	/	/	<=38.5	Pass
	836.5	Outer Full	17.67	/	/	16.52	/	/	<=38.5	Pass
		Inner Full	17.49	/	/	16.34	/	/	<=38.5	Pass
		Inner 1RB Left	18.05	/	/	16.90	/	/	<=38.5	Pass
		Inner 1RB Right	18.02	/	/	16.87	/	/	<=38.5	Pass
	846.5	Outer Full	17.74	/	/	16.59	/	/	<=38.5	Pass
		Inner Full	17.55	/	/	16.40	/	/	<=38.5	Pass
		Inner 1RB Left	18.03	/	/	16.88	/	/	<=38.5	Pass
		Inner 1RB Right	17.95	/	/	16.80	/	/	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;
 Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 15k_SISO_10MHz_NTNV_ERP

5G NR n5 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	829	Outer_Full	23.14	/	/	21.99	/	/	<=38.5	Pass
		Inner_Full	23.72	/	/	22.57	/	/	<=38.5	Pass
		Inner_1RB_Left	23.66	/	/	22.51	/	/	<=38.5	Pass
		Inner_1RB_Right	23.89	/	/	22.74	/	/	<=38.5	Pass
	836.5	Outer_Full	23.15	/	/	22.00	/	/	<=38.5	Pass
		Inner_Full	23.82	/	/	22.67	/	/	<=38.5	Pass
		Inner_1RB_Left	23.84	/	/	22.69	/	/	<=38.5	Pass
		Inner_1RB_Right	23.96	/	/	22.81	/	/	<=38.5	Pass
	844	Outer_Full	23.34	/	/	22.19	/	/	<=38.5	Pass
		Inner_Full	23.86	/	/	22.71	/	/	<=38.5	Pass
		Inner_1RB_Left	23.86	/	/	22.71	/	/	<=38.5	Pass
		Inner_1RB_Right	23.84	/	/	22.69	/	/	<=38.5	Pass
DFT-s-OFDM QPSK	829	Outer_Full	23.15	/	/	22.00	/	/	<=38.5	Pass
		Inner_Full	23.75	/	/	22.60	/	/	<=38.5	Pass
		Inner_1RB_Left	23.74	/	/	22.59	/	/	<=38.5	Pass
		Inner_1RB_Right	23.76	/	/	22.61	/	/	<=38.5	Pass
	836.5	Outer_Full	23.12	/	/	21.97	/	/	<=38.5	Pass
		Inner_Full	23.86	/	/	22.71	/	/	<=38.5	Pass
		Inner_1RB_Left	23.71	/	/	22.56	/	/	<=38.5	Pass
		Inner_1RB_Right	23.87	/	/	22.72	/	/	<=38.5	Pass
	844	Outer_Full	23.29	/	/	22.14	/	/	<=38.5	Pass
		Inner_Full	23.82	/	/	22.67	/	/	<=38.5	Pass
		Inner_1RB_Left	23.81	/	/	22.66	/	/	<=38.5	Pass
		Inner_1RB_Right	23.73	/	/	22.58	/	/	<=38.5	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	22.24	/	/	21.09	/	/	<=38.5	Pass
		Inner_Full	23.19	/	/	22.04	/	/	<=38.5	Pass
		Inner_1RB_Left	22.84	/	/	21.69	/	/	<=38.5	Pass
		Inner_1RB_Right	23.03	/	/	21.88	/	/	<=38.5	Pass
	836.5	Outer_Full	22.16	/	/	21.01	/	/	<=38.5	Pass
		Inner_Full	23.22	/	/	22.07	/	/	<=38.5	Pass
		Inner_1RB_Left	22.89	/	/	21.74	/	/	<=38.5	Pass
		Inner_1RB_Right	23.01	/	/	21.86	/	/	<=38.5	Pass
	844	Outer_Full	22.33	/	/	21.18	/	/	<=38.5	Pass
		Inner_Full	23.33	/	/	22.18	/	/	<=38.5	Pass
		Inner_1RB_Left	23.03	/	/	21.88	/	/	<=38.5	Pass
		Inner_1RB_Right	22.95	/	/	21.80	/	/	<=38.5	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	21.72	/	/	20.57	/	/	<=38.5	Pass
		Inner_Full	21.65	/	/	20.50	/	/	<=38.5	Pass
		Inner_1RB_Left	21.43	/	/	20.28	/	/	<=38.5	Pass
		Inner_1RB_Right	21.64	/	/	20.49	/	/	<=38.5	Pass
	836.5	Outer_Full	21.77	/	/	20.62	/	/	<=38.5	Pass
		Inner_Full	21.72	/	/	20.57	/	/	<=38.5	Pass
		Inner_1RB_Left	21.44	/	/	20.29	/	/	<=38.5	Pass
		Inner_1RB_Right	21.69	/	/	20.54	/	/	<=38.5	Pass
	844	Outer_Full	21.86	/	/	20.71	/	/	<=38.5	Pass
		Inner_Full	21.83	/	/	20.68	/	/	<=38.5	Pass
		Inner_1RB_Left	21.73	/	/	20.58	/	/	<=38.5	Pass
		Inner_1RB_Right	21.58	/	/	20.43	/	/	<=38.5	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	19.58	/	/	18.43	/	/	<=38.5	Pass
		Inner_Full	19.64	/	/	18.49	/	/	<=38.5	Pass

		Inner 1RB Left	19.90	/	/	18.75	/	/	<=38.5	Pass
		Inner 1RB Right	19.98	/	/	18.83	/	/	<=38.5	Pass
	836.5	Outer Full	19.63	/	/	18.48	/	/	<=38.5	Pass
		Inner Full	19.79	/	/	18.64	/	/	<=38.5	Pass
		Inner 1RB Left	19.91	/	/	18.76	/	/	<=38.5	Pass
		Inner 1RB Right	20.13	/	/	18.98	/	/	<=38.5	Pass
	844	Outer Full	19.77	/	/	18.62	/	/	<=38.5	Pass
		Inner Full	19.82	/	/	18.67	/	/	<=38.5	Pass
		Inner 1RB Left	20.16	/	/	19.01	/	/	<=38.5	Pass
		Inner 1RB Right	20.01	/	/	18.86	/	/	<=38.5	Pass
CP-OFDM QPSK	829	Outer Full	21.24	/	/	20.09	/	/	<=38.5	Pass
		Inner Full	22.62	/	/	21.47	/	/	<=38.5	Pass
		Inner 1RB Left	22.49	/	/	21.34	/	/	<=38.5	Pass
		Inner 1RB Right	22.80	/	/	21.65	/	/	<=38.5	Pass
	836.5	Outer Full	21.20	/	/	20.05	/	/	<=38.5	Pass
		Inner Full	22.72	/	/	21.57	/	/	<=38.5	Pass
		Inner 1RB Left	22.70	/	/	21.55	/	/	<=38.5	Pass
		Inner 1RB Right	22.73	/	/	21.58	/	/	<=38.5	Pass
	844	Outer Full	21.32	/	/	20.17	/	/	<=38.5	Pass
		Inner Full	22.84	/	/	21.69	/	/	<=38.5	Pass
		Inner 1RB Left	22.75	/	/	21.60	/	/	<=38.5	Pass
		Inner 1RB Right	22.72	/	/	21.57	/	/	<=38.5	Pass
CP-OFDM 16 QAM	829	Outer Full	21.27	/	/	20.12	/	/	<=38.5	Pass
		Inner Full	22.22	/	/	21.07	/	/	<=38.5	Pass
		Inner 1RB Left	22.11	/	/	20.96	/	/	<=38.5	Pass
		Inner 1RB Right	22.29	/	/	21.14	/	/	<=38.5	Pass
	836.5	Outer Full	21.19	/	/	20.04	/	/	<=38.5	Pass
		Inner Full	22.27	/	/	21.12	/	/	<=38.5	Pass
		Inner 1RB Left	22.15	/	/	21.00	/	/	<=38.5	Pass
		Inner 1RB Right	22.26	/	/	21.11	/	/	<=38.5	Pass
	844	Outer Full	21.34	/	/	20.19	/	/	<=38.5	Pass
		Inner Full	22.40	/	/	21.25	/	/	<=38.5	Pass
		Inner 1RB Left	22.20	/	/	21.05	/	/	<=38.5	Pass
		Inner 1RB Right	22.23	/	/	21.08	/	/	<=38.5	Pass
CP-OFDM 64 QAM	829	Outer Full	20.67	/	/	19.52	/	/	<=38.5	Pass
		Inner Full	20.64	/	/	19.49	/	/	<=38.5	Pass
		Inner 1RB Left	20.74	/	/	19.59	/	/	<=38.5	Pass
		Inner 1RB Right	20.85	/	/	19.70	/	/	<=38.5	Pass
	836.5	Outer Full	20.66	/	/	19.51	/	/	<=38.5	Pass
		Inner Full	20.74	/	/	19.59	/	/	<=38.5	Pass
		Inner 1RB Left	20.61	/	/	19.46	/	/	<=38.5	Pass
		Inner 1RB Right	20.89	/	/	19.74	/	/	<=38.5	Pass
	844	Outer Full	20.67	/	/	19.52	/	/	<=38.5	Pass
		Inner Full	20.76	/	/	19.61	/	/	<=38.5	Pass
		Inner 1RB Left	20.80	/	/	19.65	/	/	<=38.5	Pass
		Inner 1RB Right	20.83	/	/	19.68	/	/	<=38.5	Pass
CP-OFDM 256 QAM	829	Outer Full	17.64	/	/	16.49	/	/	<=38.5	Pass
		Inner Full	17.60	/	/	16.45	/	/	<=38.5	Pass
		Inner 1RB Left	17.98	/	/	16.83	/	/	<=38.5	Pass
		Inner 1RB Right	18.06	/	/	16.91	/	/	<=38.5	Pass
	836.5	Outer Full	17.67	/	/	16.52	/	/	<=38.5	Pass
		Inner Full	17.66	/	/	16.51	/	/	<=38.5	Pass
		Inner 1RB Left	17.94	/	/	16.79	/	/	<=38.5	Pass
		Inner 1RB Right	18.15	/	/	17.00	/	/	<=38.5	Pass
	844	Outer Full	17.71	/	/	16.56	/	/	<=38.5	Pass
		Inner Full	17.79	/	/	16.64	/	/	<=38.5	Pass
		Inner 1RB Left	18.13	/	/	16.98	/	/	<=38.5	Pass
		Inner 1RB Right	18.06	/	/	16.91	/	/	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 15k_SISO_15MHz_NTNV_ERP

5G NR n5 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	831.5	Outer_Full	23.27	/	/	22.12	/	/	<=38.5	Pass
		Inner_Full	23.76	/	/	22.61	/	/	<=38.5	Pass
		Inner_1RB_Left	23.64	/	/	22.49	/	/	<=38.5	Pass
		Inner_1RB_Right	23.96	/	/	22.81	/	/	<=38.5	Pass
	836.5	Outer_Full	23.23	/	/	22.08	/	/	<=38.5	Pass
		Inner_Full	23.85	/	/	22.70	/	/	<=38.5	Pass
		Inner_1RB_Left	23.76	/	/	22.61	/	/	<=38.5	Pass
		Inner_1RB_Right	23.90	/	/	22.75	/	/	<=38.5	Pass
	841.5	Outer_Full	23.34	/	/	22.19	/	/	<=38.5	Pass
		Inner_Full	23.90	/	/	22.75	/	/	<=38.5	Pass
		Inner_1RB_Left	23.85	/	/	22.70	/	/	<=38.5	Pass
		Inner_1RB_Right	23.92	/	/	22.77	/	/	<=38.5	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	23.23	/	/	22.08	/	/	<=38.5	Pass
		Inner_Full	23.77	/	/	22.62	/	/	<=38.5	Pass
		Inner_1RB_Left	23.71	/	/	22.56	/	/	<=38.5	Pass
		Inner_1RB_Right	23.99	/	/	22.84	/	/	<=38.5	Pass
	836.5	Outer_Full	23.18	/	/	22.03	/	/	<=38.5	Pass
		Inner_Full	23.86	/	/	22.71	/	/	<=38.5	Pass
		Inner_1RB_Left	23.73	/	/	22.58	/	/	<=38.5	Pass
		Inner_1RB_Right	23.91	/	/	22.76	/	/	<=38.5	Pass
	841.5	Outer_Full	23.33	/	/	22.18	/	/	<=38.5	Pass
		Inner_Full	23.94	/	/	22.79	/	/	<=38.5	Pass
		Inner_1RB_Left	23.85	/	/	22.70	/	/	<=38.5	Pass
		Inner_1RB_Right	23.76	/	/	22.61	/	/	<=38.5	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	22.25	/	/	21.10	/	/	<=38.5	Pass
		Inner_Full	23.12	/	/	21.97	/	/	<=38.5	Pass
		Inner_1RB_Left	22.86	/	/	21.71	/	/	<=38.5	Pass
		Inner_1RB_Right	23.02	/	/	21.87	/	/	<=38.5	Pass
	836.5	Outer_Full	22.18	/	/	21.03	/	/	<=38.5	Pass
		Inner_Full	23.23	/	/	22.08	/	/	<=38.5	Pass
		Inner_1RB_Left	22.88	/	/	21.73	/	/	<=38.5	Pass
		Inner_1RB_Right	23.11	/	/	21.96	/	/	<=38.5	Pass
	841.5	Outer_Full	22.37	/	/	21.22	/	/	<=38.5	Pass
		Inner_Full	23.36	/	/	22.21	/	/	<=38.5	Pass
		Inner_1RB_Left	23.06	/	/	21.91	/	/	<=38.5	Pass
		Inner_1RB_Right	23.08	/	/	21.93	/	/	<=38.5	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	21.80	/	/	20.65	/	/	<=38.5	Pass
		Inner_Full	21.72	/	/	20.57	/	/	<=38.5	Pass
		Inner_1RB_Left	21.46	/	/	20.31	/	/	<=38.5	Pass
		Inner_1RB_Right	21.58	/	/	20.43	/	/	<=38.5	Pass
	836.5	Outer_Full	21.70	/	/	20.55	/	/	<=38.5	Pass
		Inner_Full	21.77	/	/	20.62	/	/	<=38.5	Pass
		Inner_1RB_Left	21.42	/	/	20.27	/	/	<=38.5	Pass
		Inner_1RB_Right	21.59	/	/	20.44	/	/	<=38.5	Pass
	841.5	Outer_Full	21.77	/	/	20.62	/	/	<=38.5	Pass
		Inner_Full	21.80	/	/	20.65	/	/	<=38.5	Pass
		Inner_1RB_Left	21.56	/	/	20.41	/	/	<=38.5	Pass
		Inner_1RB_Right	21.56	/	/	20.41	/	/	<=38.5	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	19.66	/	/	18.51	/	/	<=38.5	Pass
		Inner_Full	19.62	/	/	18.47	/	/	<=38.5	Pass

		Inner 1RB Left	19.90	/	/	18.75	/	/	<=38.5	Pass
		Inner 1RB Right	20.02	/	/	18.87	/	/	<=38.5	Pass
	836.5	Outer Full	19.71	/	/	18.56	/	/	<=38.5	Pass
		Inner Full	19.70	/	/	18.55	/	/	<=38.5	Pass
		Inner 1RB Left	19.85	/	/	18.70	/	/	<=38.5	Pass
		Inner 1RB Right	20.06	/	/	18.91	/	/	<=38.5	Pass
	841.5	Outer Full	19.81	/	/	18.66	/	/	<=38.5	Pass
		Inner Full	19.69	/	/	18.54	/	/	<=38.5	Pass
		Inner 1RB Left	20.05	/	/	18.90	/	/	<=38.5	Pass
		Inner 1RB Right	19.94	/	/	18.79	/	/	<=38.5	Pass
CP-OFDM QPSK	831.5	Outer Full	21.28	/	/	20.13	/	/	<=38.5	Pass
		Inner Full	22.79	/	/	21.64	/	/	<=38.5	Pass
		Inner 1RB Left	22.61	/	/	21.46	/	/	<=38.5	Pass
		Inner 1RB Right	22.67	/	/	21.52	/	/	<=38.5	Pass
	836.5	Outer Full	21.24	/	/	20.09	/	/	<=38.5	Pass
		Inner Full	22.76	/	/	21.61	/	/	<=38.5	Pass
		Inner 1RB Left	22.56	/	/	21.41	/	/	<=38.5	Pass
		Inner 1RB Right	22.75	/	/	21.60	/	/	<=38.5	Pass
	841.5	Outer Full	21.26	/	/	20.11	/	/	<=38.5	Pass
		Inner Full	22.79	/	/	21.64	/	/	<=38.5	Pass
		Inner 1RB Left	22.71	/	/	21.56	/	/	<=38.5	Pass
		Inner 1RB Right	22.80	/	/	21.65	/	/	<=38.5	Pass
CP-OFDM 16 QAM	831.5	Outer Full	21.27	/	/	20.12	/	/	<=38.5	Pass
		Inner Full	22.24	/	/	21.09	/	/	<=38.5	Pass
		Inner 1RB Left	22.12	/	/	20.97	/	/	<=38.5	Pass
		Inner 1RB Right	22.17	/	/	21.02	/	/	<=38.5	Pass
	836.5	Outer Full	21.24	/	/	20.09	/	/	<=38.5	Pass
		Inner Full	22.33	/	/	21.18	/	/	<=38.5	Pass
		Inner 1RB Left	22.14	/	/	20.99	/	/	<=38.5	Pass
		Inner 1RB Right	22.28	/	/	21.13	/	/	<=38.5	Pass
	841.5	Outer Full	21.28	/	/	20.13	/	/	<=38.5	Pass
		Inner Full	22.32	/	/	21.17	/	/	<=38.5	Pass
		Inner 1RB Left	22.29	/	/	21.14	/	/	<=38.5	Pass
		Inner 1RB Right	22.25	/	/	21.10	/	/	<=38.5	Pass
CP-OFDM 64 QAM	831.5	Outer Full	20.72	/	/	19.57	/	/	<=38.5	Pass
		Inner Full	20.69	/	/	19.54	/	/	<=38.5	Pass
		Inner 1RB Left	20.58	/	/	19.43	/	/	<=38.5	Pass
		Inner 1RB Right	20.82	/	/	19.67	/	/	<=38.5	Pass
	836.5	Outer Full	20.70	/	/	19.55	/	/	<=38.5	Pass
		Inner Full	20.79	/	/	19.64	/	/	<=38.5	Pass
		Inner 1RB Left	20.55	/	/	19.40	/	/	<=38.5	Pass
		Inner 1RB Right	20.82	/	/	19.67	/	/	<=38.5	Pass
	841.5	Outer Full	20.79	/	/	19.64	/	/	<=38.5	Pass
		Inner Full	20.80	/	/	19.65	/	/	<=38.5	Pass
		Inner 1RB Left	20.72	/	/	19.57	/	/	<=38.5	Pass
		Inner 1RB Right	20.76	/	/	19.61	/	/	<=38.5	Pass
CP-OFDM 256 QAM	831.5	Outer Full	17.73	/	/	16.58	/	/	<=38.5	Pass
		Inner Full	17.66	/	/	16.51	/	/	<=38.5	Pass
		Inner 1RB Left	17.93	/	/	16.78	/	/	<=38.5	Pass
		Inner 1RB Right	18.14	/	/	16.99	/	/	<=38.5	Pass
	836.5	Outer Full	17.62	/	/	16.47	/	/	<=38.5	Pass
		Inner Full	17.65	/	/	16.50	/	/	<=38.5	Pass
		Inner 1RB Left	17.94	/	/	16.79	/	/	<=38.5	Pass
		Inner 1RB Right	18.14	/	/	16.99	/	/	<=38.5	Pass
	841.5	Outer Full	17.73	/	/	16.58	/	/	<=38.5	Pass
		Inner Full	17.67	/	/	16.52	/	/	<=38.5	Pass
		Inner 1RB Left	18.08	/	/	16.93	/	/	<=38.5	Pass
		Inner 1RB Right	18.06	/	/	16.91	/	/	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 15k_SISO_20MHz_NTNV_ERP

5G NR n5 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	834	Outer_Full	23.17	/	/	22.02	/	/	<=38.5	Pass
		Inner_Full	23.82	/	/	22.67	/	/	<=38.5	Pass
		Inner_1RB_Left	23.74	/	/	22.59	/	/	<=38.5	Pass
		Inner_1RB_Right	24.08	/	/	22.93	/	/	<=38.5	Pass
	836.5	Outer_Full	23.13	/	/	21.98	/	/	<=38.5	Pass
		Inner_Full	23.82	/	/	22.67	/	/	<=38.5	Pass
		Inner_1RB_Left	23.75	/	/	22.60	/	/	<=38.5	Pass
		Inner_1RB_Right	23.97	/	/	22.82	/	/	<=38.5	Pass
	839	Outer_Full	23.16	/	/	22.01	/	/	<=38.5	Pass
		Inner_Full	23.91	/	/	22.76	/	/	<=38.5	Pass
		Inner_1RB_Left	23.85	/	/	22.70	/	/	<=38.5	Pass
		Inner_1RB_Right	23.91	/	/	22.76	/	/	<=38.5	Pass
DFT-s-OFDM QPSK	834	Outer_Full	23.22	/	/	22.07	/	/	<=38.5	Pass
		Inner_Full	23.83	/	/	22.68	/	/	<=38.5	Pass
		Inner_1RB_Left	23.80	/	/	22.65	/	/	<=38.5	Pass
		Inner_1RB_Right	24.03	/	/	22.88	/	/	<=38.5	Pass
	836.5	Outer_Full	23.16	/	/	22.01	/	/	<=38.5	Pass
		Inner_Full	23.88	/	/	22.73	/	/	<=38.5	Pass
		Inner_1RB_Left	23.74	/	/	22.59	/	/	<=38.5	Pass
		Inner_1RB_Right	23.93	/	/	22.78	/	/	<=38.5	Pass
	839	Outer_Full	23.24	/	/	22.09	/	/	<=38.5	Pass
		Inner_Full	23.92	/	/	22.77	/	/	<=38.5	Pass
		Inner_1RB_Left	23.84	/	/	22.69	/	/	<=38.5	Pass
		Inner_1RB_Right	23.84	/	/	22.69	/	/	<=38.5	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	22.25	/	/	21.10	/	/	<=38.5	Pass
		Inner_Full	23.24	/	/	22.09	/	/	<=38.5	Pass
		Inner_1RB_Left	22.96	/	/	21.81	/	/	<=38.5	Pass
		Inner_1RB_Right	23.11	/	/	21.96	/	/	<=38.5	Pass
	836.5	Outer_Full	22.08	/	/	20.93	/	/	<=38.5	Pass
		Inner_Full	23.29	/	/	22.14	/	/	<=38.5	Pass
		Inner_1RB_Left	22.89	/	/	21.74	/	/	<=38.5	Pass
		Inner_1RB_Right	23.18	/	/	22.03	/	/	<=38.5	Pass
	839	Outer_Full	22.18	/	/	21.03	/	/	<=38.5	Pass
		Inner_Full	23.33	/	/	22.18	/	/	<=38.5	Pass
		Inner_1RB_Left	22.89	/	/	21.74	/	/	<=38.5	Pass
		Inner_1RB_Right	23.03	/	/	21.88	/	/	<=38.5	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	21.79	/	/	20.64	/	/	<=38.5	Pass
		Inner_Full	21.76	/	/	20.61	/	/	<=38.5	Pass
		Inner_1RB_Left	21.56	/	/	20.41	/	/	<=38.5	Pass
		Inner_1RB_Right	21.67	/	/	20.52	/	/	<=38.5	Pass
	836.5	Outer_Full	21.63	/	/	20.48	/	/	<=38.5	Pass
		Inner_Full	21.78	/	/	20.63	/	/	<=38.5	Pass
		Inner_1RB_Left	21.39	/	/	20.24	/	/	<=38.5	Pass
		Inner_1RB_Right	21.65	/	/	20.50	/	/	<=38.5	Pass
	839	Outer_Full	21.71	/	/	20.56	/	/	<=38.5	Pass
		Inner_Full	21.78	/	/	20.63	/	/	<=38.5	Pass
		Inner_1RB_Left	21.41	/	/	20.26	/	/	<=38.5	Pass
		Inner_1RB_Right	21.50	/	/	20.35	/	/	<=38.5	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	19.72	/	/	18.57	/	/	<=38.5	Pass
		Inner_Full	19.63	/	/	18.48	/	/	<=38.5	Pass

		Inner 1RB Left	19.92	/	/	18.77	/	/	<=38.5	Pass
		Inner 1RB Right	20.17	/	/	19.02	/	/	<=38.5	Pass
	836.5	Outer Full	19.63	/	/	18.48	/	/	<=38.5	Pass
		Inner Full	19.71	/	/	18.56	/	/	<=38.5	Pass
		Inner 1RB Left	19.81	/	/	18.66	/	/	<=38.5	Pass
		Inner 1RB Right	20.05	/	/	18.90	/	/	<=38.5	Pass
	839	Outer Full	19.66	/	/	18.51	/	/	<=38.5	Pass
		Inner Full	19.77	/	/	18.62	/	/	<=38.5	Pass
		Inner 1RB Left	19.95	/	/	18.80	/	/	<=38.5	Pass
		Inner 1RB Right	20.05	/	/	18.90	/	/	<=38.5	Pass
CP-OFDM QPSK	834	Outer Full	21.16	/	/	20.01	/	/	<=38.5	Pass
		Inner Full	22.75	/	/	21.60	/	/	<=38.5	Pass
		Inner 1RB Left	22.55	/	/	21.40	/	/	<=38.5	Pass
		Inner 1RB Right	22.75	/	/	21.60	/	/	<=38.5	Pass
	836.5	Outer Full	21.10	/	/	19.95	/	/	<=38.5	Pass
		Inner Full	22.71	/	/	21.56	/	/	<=38.5	Pass
		Inner 1RB Left	22.51	/	/	21.36	/	/	<=38.5	Pass
		Inner 1RB Right	22.74	/	/	21.59	/	/	<=38.5	Pass
	839	Outer Full	21.18	/	/	20.03	/	/	<=38.5	Pass
		Inner Full	22.84	/	/	21.69	/	/	<=38.5	Pass
		Inner 1RB Left	22.63	/	/	21.48	/	/	<=38.5	Pass
		Inner 1RB Right	22.75	/	/	21.60	/	/	<=38.5	Pass
CP-OFDM 16 QAM	834	Outer Full	21.20	/	/	20.05	/	/	<=38.5	Pass
		Inner Full	22.25	/	/	21.10	/	/	<=38.5	Pass
		Inner 1RB Left	22.12	/	/	20.97	/	/	<=38.5	Pass
		Inner 1RB Right	22.32	/	/	21.17	/	/	<=38.5	Pass
	836.5	Outer Full	21.13	/	/	19.98	/	/	<=38.5	Pass
		Inner Full	22.19	/	/	21.04	/	/	<=38.5	Pass
		Inner 1RB Left	22.16	/	/	21.01	/	/	<=38.5	Pass
		Inner 1RB Right	22.28	/	/	21.13	/	/	<=38.5	Pass
	839	Outer Full	21.09	/	/	19.94	/	/	<=38.5	Pass
		Inner Full	22.29	/	/	21.14	/	/	<=38.5	Pass
		Inner 1RB Left	22.04	/	/	20.89	/	/	<=38.5	Pass
		Inner 1RB Right	22.20	/	/	21.05	/	/	<=38.5	Pass
CP-OFDM 64 QAM	834	Outer Full	20.70	/	/	19.55	/	/	<=38.5	Pass
		Inner Full	20.73	/	/	19.58	/	/	<=38.5	Pass
		Inner 1RB Left	20.75	/	/	19.60	/	/	<=38.5	Pass
		Inner 1RB Right	20.80	/	/	19.65	/	/	<=38.5	Pass
	836.5	Outer Full	20.67	/	/	19.52	/	/	<=38.5	Pass
		Inner Full	20.73	/	/	19.58	/	/	<=38.5	Pass
		Inner 1RB Left	20.72	/	/	19.57	/	/	<=38.5	Pass
		Inner 1RB Right	20.80	/	/	19.65	/	/	<=38.5	Pass
	839	Outer Full	20.61	/	/	19.46	/	/	<=38.5	Pass
		Inner Full	20.84	/	/	19.69	/	/	<=38.5	Pass
		Inner 1RB Left	20.64	/	/	19.49	/	/	<=38.5	Pass
		Inner 1RB Right	20.76	/	/	19.61	/	/	<=38.5	Pass
CP-OFDM 256 QAM	834	Outer Full	17.62	/	/	16.47	/	/	<=38.5	Pass
		Inner Full	17.68	/	/	16.53	/	/	<=38.5	Pass
		Inner 1RB Left	17.96	/	/	16.81	/	/	<=38.5	Pass
		Inner 1RB Right	18.15	/	/	17.00	/	/	<=38.5	Pass
	836.5	Outer Full	17.57	/	/	16.42	/	/	<=38.5	Pass
		Inner Full	17.68	/	/	16.53	/	/	<=38.5	Pass
		Inner 1RB Left	17.87	/	/	16.72	/	/	<=38.5	Pass
		Inner 1RB Right	18.06	/	/	16.91	/	/	<=38.5	Pass
	839	Outer Full	17.58	/	/	16.43	/	/	<=38.5	Pass
		Inner Full	17.79	/	/	16.64	/	/	<=38.5	Pass
		Inner 1RB Left	17.93	/	/	16.78	/	/	<=38.5	Pass
		Inner 1RB Right	18.15	/	/	17.00	/	/	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

1.1.5 15k_MIMO_5MHz_NTNV_ERP

5G NR n5 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	826.5	Outer_Full	20.14	20.00	23.08	18.99	18.85	21.93	<=38.5	Pass
		Inner_Full	20.71	20.56	23.65	19.56	19.41	22.50	<=38.5	Pass
		Inner_1RB_Left	20.69	20.59	23.65	19.54	19.44	22.50	<=38.5	Pass
		Inner_1RB_Right	20.70	20.51	23.62	19.55	19.36	22.47	<=38.5	Pass
	836.5	Outer_Full	20.11	19.93	23.03	18.96	18.78	21.88	<=38.5	Pass
		Inner_Full	20.72	20.53	23.64	19.57	19.38	22.49	<=38.5	Pass
		Inner_1RB_Left	20.81	20.59	23.71	19.66	19.44	22.56	<=38.5	Pass
		Inner_1RB_Right	20.66	20.53	23.60	19.51	19.38	22.46	<=38.5	Pass
	846.5	Outer_Full	20.20	20.37	23.30	19.05	19.22	22.15	<=38.5	Pass
		Inner_Full	20.76	20.93	23.86	19.61	19.78	22.71	<=38.5	Pass
		Inner_1RB_Left	20.76	20.87	23.83	19.61	19.72	22.68	<=38.5	Pass
		Inner_1RB_Right	20.74	20.97	23.87	19.59	19.82	22.72	<=38.5	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	19.66	19.52	22.60	18.51	18.37	21.45	<=38.5	Pass
		Inner_Full	20.78	20.63	23.72	19.63	19.48	22.57	<=38.5	Pass
		Inner_1RB_Left	20.66	20.56	23.62	19.51	19.41	22.47	<=38.5	Pass
		Inner_1RB_Right	20.61	20.41	23.52	19.46	19.26	22.37	<=38.5	Pass
	836.5	Outer_Full	19.67	19.48	22.58	18.52	18.33	21.44	<=38.5	Pass
		Inner_Full	20.70	20.51	23.62	19.55	19.36	22.47	<=38.5	Pass
		Inner_1RB_Left	20.70	20.47	23.59	19.55	19.32	22.45	<=38.5	Pass
		Inner_1RB_Right	20.66	20.53	23.61	19.51	19.38	22.46	<=38.5	Pass
	846.5	Outer_Full	19.70	19.88	22.80	18.55	18.73	21.65	<=38.5	Pass
		Inner_Full	20.80	20.97	23.90	19.65	19.82	22.75	<=38.5	Pass
		Inner_1RB_Left	20.68	20.79	23.75	19.53	19.64	22.60	<=38.5	Pass
		Inner_1RB_Right	20.61	20.84	23.74	19.46	19.69	22.59	<=38.5	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	18.71	18.56	21.64	17.56	17.41	20.50	<=38.5	Pass
		Inner_Full	19.73	19.59	22.67	18.58	18.44	21.52	<=38.5	Pass
		Inner_1RB_Left	19.57	19.47	22.53	18.42	18.32	21.38	<=38.5	Pass
		Inner_1RB_Right	19.81	19.62	22.73	18.66	18.47	21.58	<=38.5	Pass
	836.5	Outer_Full	18.64	18.46	21.56	17.49	17.31	20.41	<=38.5	Pass
		Inner_Full	19.72	19.53	22.64	18.57	18.38	21.49	<=38.5	Pass
		Inner_1RB_Left	19.45	19.22	22.35	18.30	18.07	21.20	<=38.5	Pass
		Inner_1RB_Right	19.51	19.38	22.46	18.36	18.23	21.31	<=38.5	Pass
	846.5	Outer_Full	18.68	18.86	21.78	17.53	17.71	20.63	<=38.5	Pass
		Inner_Full	19.70	19.88	22.80	18.55	18.73	21.65	<=38.5	Pass
		Inner_1RB_Left	19.75	19.86	22.82	18.60	18.71	21.67	<=38.5	Pass
		Inner_1RB_Right	19.37	19.61	22.50	18.22	18.46	21.35	<=38.5	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	18.13	17.98	21.07	16.98	16.83	19.92	<=38.5	Pass
		Inner_Full	18.18	18.04	21.12	17.03	16.89	19.97	<=38.5	Pass
		Inner_1RB_Left	18.10	18.01	21.07	16.95	16.86	19.92	<=38.5	Pass
		Inner_1RB_Right	18.04	17.85	20.95	16.89	16.70	19.81	<=38.5	Pass
	836.5	Outer_Full	18.12	17.94	21.04	16.97	16.79	19.89	<=38.5	Pass
		Inner_Full	18.19	18.00	21.11	17.04	16.85	19.96	<=38.5	Pass
		Inner_1RB_Left	18.13	17.90	21.02	16.98	16.75	19.88	<=38.5	Pass
		Inner_1RB_Right	18.06	17.93	21.00	16.91	16.78	19.86	<=38.5	Pass
	846.5	Outer_Full	18.13	18.31	21.23	16.98	17.16	20.08	<=38.5	Pass
		Inner_Full	18.17	18.35	21.27	17.02	17.20	20.12	<=38.5	Pass
		Inner_1RB_Left	18.05	18.16	21.12	16.90	17.01	19.97	<=38.5	Pass
		Inner_1RB_Right	17.96	18.19	21.09	16.81	17.04	19.94	<=38.5	Pass
DFT-s-OFDM 256 QAM	826.5	Outer_Full	16.16	16.01	19.10	15.01	14.86	17.95	<=38.5	Pass
		Inner_Full	16.34	16.19	19.28	15.19	15.04	18.13	<=38.5	Pass

		Inner 1RB Left	16.49	16.39	19.45	15.34	15.24	18.30	<=38.5	Pass
		Inner 1RB Right	16.47	16.28	19.38	15.32	15.13	18.24	<=38.5	Pass
	836.5	Outer Full	16.18	16.00	19.10	15.03	14.85	17.95	<=38.5	Pass
		Inner Full	16.36	16.17	19.27	15.21	15.02	18.13	<=38.5	Pass
		Inner 1RB Left	16.53	16.31	19.43	15.38	15.16	18.28	<=38.5	Pass
		Inner 1RB Right	16.38	16.25	19.33	15.23	15.10	18.18	<=38.5	Pass
	846.5	Outer Full	16.26	16.44	19.36	15.11	15.29	18.21	<=38.5	Pass
		Inner Full	16.31	16.49	19.41	15.16	15.34	18.26	<=38.5	Pass
		Inner 1RB Left	16.12	16.23	19.18	14.97	15.08	18.04	<=38.5	Pass
		Inner 1RB Right	16.45	16.69	19.58	15.30	15.54	18.43	<=38.5	Pass
CP-OFDM QPSK	826.5	Outer Full	17.73	17.58	20.67	16.58	16.43	19.52	<=38.5	Pass
		Inner Full	19.19	19.04	22.12	18.04	17.89	20.98	<=38.5	Pass
		Inner 1RB Left	19.36	19.26	22.32	18.21	18.11	21.17	<=38.5	Pass
		Inner 1RB Right	19.31	19.12	22.22	18.16	17.97	21.08	<=38.5	Pass
	836.5	Outer Full	17.63	17.45	20.55	16.48	16.30	19.40	<=38.5	Pass
		Inner Full	19.20	19.01	22.12	18.05	17.86	20.97	<=38.5	Pass
		Inner 1RB Left	19.47	19.24	22.37	18.32	18.09	21.22	<=38.5	Pass
		Inner 1RB Right	19.20	19.07	22.15	18.05	17.92	21.00	<=38.5	Pass
	846.5	Outer Full	17.72	17.90	20.82	16.57	16.75	19.67	<=38.5	Pass
		Inner Full	19.23	19.41	22.33	18.08	18.26	21.18	<=38.5	Pass
		Inner 1RB Left	19.32	19.43	22.39	18.17	18.28	21.24	<=38.5	Pass
		Inner 1RB Right	19.38	19.61	22.50	18.23	18.46	21.36	<=38.5	Pass
CP-OFDM 16 QAM	826.5	Outer Full	17.66	17.52	20.60	16.51	16.37	19.45	<=38.5	Pass
		Inner Full	18.72	18.57	21.66	17.57	17.42	20.51	<=38.5	Pass
		Inner 1RB Left	18.59	18.50	21.56	17.44	17.35	20.41	<=38.5	Pass
		Inner 1RB Right	18.83	18.64	21.75	17.68	17.49	20.60	<=38.5	Pass
	836.5	Outer Full	17.59	17.40	20.51	16.44	16.25	19.36	<=38.5	Pass
		Inner Full	18.66	18.47	21.57	17.51	17.32	20.43	<=38.5	Pass
		Inner 1RB Left	18.59	18.36	21.48	17.44	17.21	20.34	<=38.5	Pass
		Inner 1RB Right	18.42	18.28	21.36	17.27	17.13	20.21	<=38.5	Pass
	846.5	Outer Full	17.67	17.85	20.77	16.52	16.70	19.62	<=38.5	Pass
		Inner Full	18.69	18.87	21.79	17.54	17.72	20.64	<=38.5	Pass
		Inner 1RB Left	18.53	18.64	21.60	17.38	17.49	20.45	<=38.5	Pass
		Inner 1RB Right	18.45	18.68	21.58	17.30	17.53	20.43	<=38.5	Pass
CP-OFDM 64 QAM	826.5	Outer Full	17.10	16.96	20.04	15.95	15.81	18.89	<=38.5	Pass
		Inner Full	17.11	16.96	20.05	15.96	15.81	18.90	<=38.5	Pass
		Inner 1RB Left	17.37	17.27	20.33	16.22	16.12	19.18	<=38.5	Pass
		Inner 1RB Right	17.29	17.10	20.21	16.14	15.95	19.06	<=38.5	Pass
	836.5	Outer Full	17.12	16.93	20.04	15.97	15.78	18.89	<=38.5	Pass
		Inner Full	17.09	16.90	20.01	15.94	15.75	18.86	<=38.5	Pass
		Inner 1RB Left	17.36	17.13	20.26	16.21	15.98	19.11	<=38.5	Pass
		Inner 1RB Right	17.11	16.98	20.05	15.96	15.83	18.91	<=38.5	Pass
	846.5	Outer Full	17.15	17.32	20.25	16.00	16.17	19.10	<=38.5	Pass
		Inner Full	17.11	17.28	20.21	15.96	16.13	19.06	<=38.5	Pass
		Inner 1RB Left	17.36	17.47	20.43	16.21	16.32	19.28	<=38.5	Pass
		Inner 1RB Right	17.30	17.53	20.42	16.15	16.38	19.28	<=38.5	Pass
CP-OFDM 256 QAM	826.5	Outer Full	14.23	14.09	17.17	13.08	12.94	16.02	<=38.5	Pass
		Inner Full	14.16	14.02	17.10	13.01	12.87	15.95	<=38.5	Pass
		Inner 1RB Left	14.48	14.39	17.45	13.33	13.24	16.30	<=38.5	Pass
		Inner 1RB Right	14.43	14.24	17.35	13.28	13.09	16.20	<=38.5	Pass
	836.5	Outer Full	14.13	13.94	17.05	12.98	12.79	15.90	<=38.5	Pass
		Inner Full	14.12	13.94	17.04	12.97	12.79	15.89	<=38.5	Pass
		Inner 1RB Left	14.52	14.29	17.42	13.37	13.14	16.27	<=38.5	Pass
		Inner 1RB Right	14.35	14.22	17.29	13.20	13.07	16.15	<=38.5	Pass
	846.5	Outer Full	14.18	14.35	17.28	13.03	13.20	16.13	<=38.5	Pass
		Inner Full	14.15	14.33	17.25	13.00	13.18	16.10	<=38.5	Pass
		Inner 1RB Left	14.40	14.51	17.46	13.25	13.36	16.32	<=38.5	Pass
		Inner 1RB Right	14.38	14.61	17.51	13.23	13.46	16.36	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;

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 n5 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	829	Outer_Full	20.32	20.13	23.23	19.17	18.98	22.09	<=38.5	Pass
		Inner_Full	20.83	20.62	23.74	19.68	19.47	22.59	<=38.5	Pass
		Inner_1RB_Left	20.80	20.70	23.76	19.65	19.55	22.61	<=38.5	Pass
		Inner_1RB_Right	20.81	20.57	23.70	19.66	19.42	22.55	<=38.5	Pass
	836.5	Outer_Full	20.13	19.95	23.05	18.98	18.80	21.90	<=38.5	Pass
		Inner_Full	20.74	20.54	23.65	19.59	19.39	22.50	<=38.5	Pass
		Inner_1RB_Left	20.77	20.53	23.66	19.62	19.38	22.51	<=38.5	Pass
		Inner_1RB_Right	20.72	20.68	23.71	19.57	19.53	22.56	<=38.5	Pass
	844	Outer_Full	20.41	20.49	23.46	19.26	19.34	22.31	<=38.5	Pass
		Inner_Full	20.82	20.91	23.88	19.67	19.76	22.73	<=38.5	Pass
		Inner_1RB_Left	20.71	20.64	23.69	19.56	19.49	22.54	<=38.5	Pass
		Inner_1RB_Right	20.78	21.03	23.91	19.63	19.88	22.77	<=38.5	Pass
DFT-s-OFDM QPSK	829	Outer_Full	19.80	19.60	22.71	18.65	18.45	21.56	<=38.5	Pass
		Inner_Full	20.83	20.62	23.74	19.68	19.47	22.59	<=38.5	Pass
		Inner_1RB_Left	20.73	20.62	23.69	19.58	19.47	22.54	<=38.5	Pass
		Inner_1RB_Right	20.71	20.48	23.61	19.56	19.33	22.46	<=38.5	Pass
	836.5	Outer_Full	19.60	19.42	22.52	18.45	18.27	21.37	<=38.5	Pass
		Inner_Full	20.71	20.51	23.62	19.56	19.36	22.47	<=38.5	Pass
		Inner_1RB_Left	20.64	20.40	23.53	19.49	19.25	22.38	<=38.5	Pass
		Inner_1RB_Right	20.63	20.59	23.62	19.48	19.44	22.47	<=38.5	Pass
	844	Outer_Full	19.87	19.95	22.92	18.72	18.80	21.77	<=38.5	Pass
		Inner_Full	20.83	20.92	23.88	19.68	19.77	22.74	<=38.5	Pass
		Inner_1RB_Left	20.70	20.63	23.67	19.55	19.48	22.53	<=38.5	Pass
		Inner_1RB_Right	20.62	20.87	23.76	19.47	19.72	22.61	<=38.5	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	18.80	18.61	21.72	17.65	17.46	20.57	<=38.5	Pass
		Inner_Full	19.79	19.59	22.70	18.64	18.44	21.55	<=38.5	Pass
		Inner_1RB_Left	19.43	19.33	22.39	18.28	18.18	21.24	<=38.5	Pass
		Inner_1RB_Right	19.56	19.33	22.45	18.41	18.18	21.31	<=38.5	Pass
	836.5	Outer_Full	18.64	18.46	21.56	17.49	17.31	20.41	<=38.5	Pass
		Inner_Full	19.76	19.57	22.68	18.61	18.42	21.53	<=38.5	Pass
		Inner_1RB_Left	19.53	19.28	22.41	18.38	18.13	21.27	<=38.5	Pass
		Inner_1RB_Right	19.50	19.46	22.49	18.35	18.31	21.34	<=38.5	Pass
	844	Outer_Full	18.83	18.92	21.88	17.68	17.77	20.74	<=38.5	Pass
		Inner_Full	19.81	19.90	22.87	18.66	18.75	21.72	<=38.5	Pass
		Inner_1RB_Left	19.55	19.49	22.53	18.40	18.34	21.38	<=38.5	Pass
		Inner_1RB_Right	19.41	19.66	22.54	18.26	18.51	21.40	<=38.5	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	18.31	18.12	21.23	17.16	16.97	20.08	<=38.5	Pass
		Inner_Full	18.23	18.03	21.14	17.08	16.88	19.99	<=38.5	Pass
		Inner_1RB_Left	18.14	18.03	21.10	16.99	16.88	19.95	<=38.5	Pass
		Inner_1RB_Right	18.14	17.91	21.03	16.99	16.76	19.89	<=38.5	Pass
	836.5	Outer_Full	18.15	17.97	21.07	17.00	16.82	19.92	<=38.5	Pass
		Inner_Full	18.14	17.94	21.05	16.99	16.79	19.90	<=38.5	Pass
		Inner_1RB_Left	18.10	17.85	20.99	16.95	16.70	19.84	<=38.5	Pass
		Inner_1RB_Right	18.06	18.02	21.05	16.91	16.87	19.90	<=38.5	Pass
	844	Outer_Full	18.35	18.43	21.40	17.20	17.28	20.25	<=38.5	Pass
		Inner_Full	18.24	18.34	21.30	17.09	17.19	20.15	<=38.5	Pass
		Inner_1RB_Left	18.07	18.01	21.05	16.92	16.86	19.90	<=38.5	Pass
		Inner_1RB_Right	18.04	18.30	21.18	16.89	17.15	20.03	<=38.5	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	14.59	14.40	17.50	13.44	13.25	16.36	<=38.5	Pass
		Inner_Full	16.24	16.04	19.15	15.09	14.89	18.00	<=38.5	Pass

		Inner 1RB Left	16.53	16.43	19.49	15.38	15.28	18.34	<=38.5	Pass
		Inner 1RB Right	16.47	16.24	19.36	15.32	15.09	18.22	<=38.5	Pass
	836.5	Outer Full	16.20	16.03	19.13	15.05	14.88	17.98	<=38.5	Pass
		Inner Full	16.28	16.09	19.20	15.13	14.94	18.05	<=38.5	Pass
		Inner 1RB Left	16.47	16.22	19.36	15.32	15.07	18.21	<=38.5	Pass
		Inner 1RB Right	16.47	16.43	19.46	15.32	15.28	18.31	<=38.5	Pass
	844	Outer Full	16.44	16.52	19.49	15.29	15.37	18.34	<=38.5	Pass
		Inner Full	16.27	16.36	19.32	15.12	15.21	18.18	<=38.5	Pass
		Inner 1RB Left	16.46	16.40	19.44	15.31	15.25	18.29	<=38.5	Pass
		Inner 1RB Right	16.42	16.68	19.56	15.27	15.53	18.41	<=38.5	Pass
CP-OFDM QPSK	829	Outer Full	17.70	17.51	20.61	16.55	16.36	19.47	<=38.5	Pass
		Inner Full	19.28	19.07	22.18	18.13	17.92	21.04	<=38.5	Pass
		Inner 1RB Left	19.24	19.13	22.19	18.09	17.98	21.05	<=38.5	Pass
		Inner 1RB Right	19.18	18.95	22.08	18.03	17.80	20.93	<=38.5	Pass
	836.5	Outer Full	17.66	17.49	20.58	16.51	16.34	19.44	<=38.5	Pass
		Inner Full	19.20	19.01	22.12	18.05	17.86	20.97	<=38.5	Pass
		Inner 1RB Left	19.11	18.86	22.00	17.96	17.71	20.85	<=38.5	Pass
		Inner 1RB Right	19.22	19.18	22.21	18.07	18.03	21.06	<=38.5	Pass
	844	Outer Full	17.70	17.79	20.76	16.55	16.64	19.61	<=38.5	Pass
		Inner Full	19.25	19.35	22.31	18.10	18.20	21.16	<=38.5	Pass
		Inner 1RB Left	19.20	19.13	22.17	18.05	17.98	21.03	<=38.5	Pass
		Inner 1RB Right	19.17	19.42	22.31	18.02	18.27	21.16	<=38.5	Pass
CP-OFDM 16 QAM	829	Outer Full	17.72	17.53	20.64	16.57	16.38	19.49	<=38.5	Pass
		Inner Full	18.74	18.53	21.65	17.59	17.38	20.50	<=38.5	Pass
		Inner 1RB Left	18.62	18.51	21.57	17.47	17.36	20.43	<=38.5	Pass
		Inner 1RB Right	18.48	18.25	21.38	17.33	17.10	20.23	<=38.5	Pass
	836.5	Outer Full	17.63	17.46	20.56	16.48	16.31	19.41	<=38.5	Pass
		Inner Full	18.67	18.48	21.59	17.52	17.33	20.44	<=38.5	Pass
		Inner 1RB Left	18.40	18.15	21.29	17.25	17.00	20.14	<=38.5	Pass
		Inner 1RB Right	18.59	18.55	21.58	17.44	17.40	20.43	<=38.5	Pass
	844	Outer Full	17.83	17.92	20.88	16.68	16.77	19.74	<=38.5	Pass
		Inner Full	18.71	18.82	21.78	17.56	17.67	20.63	<=38.5	Pass
		Inner 1RB Left	18.52	18.46	21.50	17.37	17.31	20.35	<=38.5	Pass
		Inner 1RB Right	18.44	18.69	21.58	17.29	17.54	20.43	<=38.5	Pass
CP-OFDM 64 QAM	829	Outer Full	17.25	17.06	20.17	16.10	15.91	19.02	<=38.5	Pass
		Inner Full	17.19	16.98	20.10	16.04	15.83	18.95	<=38.5	Pass
		Inner 1RB Left	17.19	17.08	20.15	16.04	15.93	19.00	<=38.5	Pass
		Inner 1RB Right	17.16	16.93	20.05	16.01	15.78	18.91	<=38.5	Pass
	836.5	Outer Full	17.10	16.94	20.03	15.95	15.79	18.88	<=38.5	Pass
		Inner Full	17.19	17.00	20.11	16.04	15.85	18.96	<=38.5	Pass
		Inner 1RB Left	17.15	16.91	20.04	16.00	15.76	18.89	<=38.5	Pass
		Inner 1RB Right	17.15	17.11	20.14	16.00	15.96	18.99	<=38.5	Pass
	844	Outer Full	17.32	17.40	20.37	16.17	16.25	19.22	<=38.5	Pass
		Inner Full	17.14	17.24	20.20	15.99	16.09	19.05	<=38.5	Pass
		Inner 1RB Left	17.07	17.01	20.05	15.92	15.86	18.90	<=38.5	Pass
		Inner 1RB Right	17.08	17.33	20.22	15.93	16.18	19.07	<=38.5	Pass
CP-OFDM 256 QAM	829	Outer Full	14.26	14.07	17.18	13.11	12.92	16.03	<=38.5	Pass
		Inner Full	14.30	14.10	17.21	13.15	12.95	16.06	<=38.5	Pass
		Inner 1RB Left	14.51	14.40	17.47	13.36	13.25	16.32	<=38.5	Pass
		Inner 1RB Right	14.53	14.30	17.43	13.38	13.15	16.28	<=38.5	Pass
	836.5	Outer Full	14.11	13.95	17.04	12.96	12.80	15.89	<=38.5	Pass
		Inner Full	14.31	14.13	17.23	13.16	12.98	16.08	<=38.5	Pass
		Inner 1RB Left	14.46	14.22	17.35	13.31	13.07	16.20	<=38.5	Pass
		Inner 1RB Right	14.52	14.49	17.52	13.37	13.34	16.37	<=38.5	Pass
	844	Outer Full	14.25	14.34	17.31	13.10	13.19	16.16	<=38.5	Pass
		Inner Full	14.27	14.37	17.33	13.12	13.22	16.18	<=38.5	Pass
		Inner 1RB Left	14.53	14.47	17.51	13.38	13.32	16.36	<=38.5	Pass
		Inner 1RB Right	14.45	14.71	17.59	13.30	13.56	16.44	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;

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 n5 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	831.5	Outer_Full	20.32	20.13	23.24	19.17	18.98	22.09	<=38.5	Pass
		Inner_Full	20.84	20.63	23.75	19.69	19.48	22.60	<=38.5	Pass
		Inner_1RB_Left	20.77	20.67	23.73	19.62	19.52	22.58	<=38.5	Pass
		Inner_1RB_Right	20.75	20.64	23.71	19.60	19.49	22.56	<=38.5	Pass
	836.5	Outer_Full	20.17	20.01	23.10	19.02	18.86	21.95	<=38.5	Pass
		Inner_Full	20.78	20.58	23.69	19.63	19.43	22.54	<=38.5	Pass
		Inner_1RB_Left	20.78	20.56	23.68	19.63	19.41	22.53	<=38.5	Pass
		Inner_1RB_Right	20.79	20.85	23.83	19.64	19.70	22.68	<=38.5	Pass
	841.5	Outer_Full	20.20	20.17	23.20	19.05	19.02	22.05	<=38.5	Pass
		Inner_Full	20.80	20.76	23.79	19.65	19.61	22.64	<=38.5	Pass
		Inner_1RB_Left	20.85	20.64	23.75	19.70	19.49	22.61	<=38.5	Pass
		Inner_1RB_Right	20.78	21.01	23.90	19.63	19.86	22.76	<=38.5	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	19.82	19.63	22.74	18.67	18.48	21.59	<=38.5	Pass
		Inner_Full	20.82	20.60	23.72	19.67	19.45	22.57	<=38.5	Pass
		Inner_1RB_Left	20.70	20.60	23.66	19.55	19.45	22.51	<=38.5	Pass
		Inner_1RB_Right	20.66	20.54	23.61	19.51	19.39	22.46	<=38.5	Pass
	836.5	Outer_Full	19.69	19.53	22.62	18.54	18.38	21.47	<=38.5	Pass
		Inner_Full	20.76	20.57	23.68	19.61	19.42	22.53	<=38.5	Pass
		Inner_1RB_Left	20.63	20.40	23.53	19.48	19.25	22.38	<=38.5	Pass
		Inner_1RB_Right	20.65	20.70	23.69	19.50	19.55	22.54	<=38.5	Pass
	841.5	Outer_Full	19.70	19.67	22.69	18.55	18.52	21.55	<=38.5	Pass
		Inner_Full	20.80	20.77	23.80	19.65	19.62	22.65	<=38.5	Pass
		Inner_1RB_Left	20.71	20.50	23.62	19.56	19.35	22.47	<=38.5	Pass
		Inner_1RB_Right	20.66	20.89	23.78	19.51	19.74	22.64	<=38.5	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	18.90	18.72	21.82	17.75	17.57	20.67	<=38.5	Pass
		Inner_Full	19.74	19.53	22.65	18.59	18.38	21.50	<=38.5	Pass
		Inner_1RB_Left	17.74	17.64	20.70	16.59	16.49	19.55	<=38.5	Pass
		Inner_1RB_Right	19.54	19.43	22.50	18.39	18.28	21.35	<=38.5	Pass
	836.5	Outer_Full	18.72	18.56	21.65	17.57	17.41	20.50	<=38.5	Pass
		Inner_Full	19.73	19.53	22.64	18.58	18.38	21.49	<=38.5	Pass
		Inner_1RB_Left	19.46	19.24	22.36	18.31	18.09	21.21	<=38.5	Pass
		Inner_1RB_Right	19.68	19.73	22.72	18.53	18.58	21.57	<=38.5	Pass
	841.5	Outer_Full	18.74	18.72	21.74	17.59	17.57	20.59	<=38.5	Pass
		Inner_Full	19.79	19.75	22.78	18.64	18.60	21.63	<=38.5	Pass
		Inner_1RB_Left	19.54	19.33	22.45	18.39	18.18	21.30	<=38.5	Pass
		Inner_1RB_Right	19.75	19.98	22.88	18.60	18.83	21.73	<=38.5	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	18.37	18.19	21.29	17.22	17.04	20.14	<=38.5	Pass
		Inner_Full	18.30	18.08	21.20	17.15	16.93	20.05	<=38.5	Pass
		Inner_1RB_Left	17.93	17.83	20.89	16.78	16.68	19.74	<=38.5	Pass
		Inner_1RB_Right	17.85	17.74	20.81	16.70	16.59	19.66	<=38.5	Pass
	836.5	Outer_Full	18.16	18.00	21.09	17.01	16.85	19.94	<=38.5	Pass
		Inner_Full	18.26	18.07	21.18	17.11	16.92	20.03	<=38.5	Pass
		Inner_1RB_Left	18.05	17.83	20.95	16.90	16.68	19.80	<=38.5	Pass
		Inner_1RB_Right	18.10	18.16	21.14	16.95	17.01	19.99	<=38.5	Pass
	841.5	Outer_Full	18.24	18.21	21.24	17.09	17.06	20.09	<=38.5	Pass
		Inner_Full	18.35	18.32	21.34	17.20	17.17	20.20	<=38.5	Pass
		Inner_1RB_Left	18.13	17.92	21.03	16.98	16.77	19.89	<=38.5	Pass
		Inner_1RB_Right	18.08	18.32	21.21	16.93	17.17	20.06	<=38.5	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	16.36	16.18	19.28	15.21	15.03	18.13	<=38.5	Pass
		Inner_Full	16.25	16.03	19.15	15.10	14.88	18.00	<=38.5	Pass

		Inner 1RB Left	16.23	16.13	19.19	15.08	14.98	18.04	<=38.5	Pass
		Inner 1RB Right	16.47	16.35	19.42	15.32	15.20	18.27	<=38.5	Pass
	836.5	Outer Full	16.24	16.09	19.18	15.09	14.94	18.03	<=38.5	Pass
		Inner Full	16.23	16.04	19.15	15.08	14.89	18.00	<=38.5	Pass
		Inner 1RB Left	16.45	16.23	19.35	15.30	15.08	18.20	<=38.5	Pass
		Inner 1RB Right	16.49	16.55	19.53	15.34	15.40	18.38	<=38.5	Pass
	841.5	Outer Full	16.28	16.25	19.28	15.13	15.10	18.13	<=38.5	Pass
		Inner Full	16.21	16.18	19.21	15.06	15.03	18.06	<=38.5	Pass
		Inner 1RB Left	16.49	16.29	19.40	15.34	15.14	18.25	<=38.5	Pass
		Inner 1RB Right	16.46	16.69	19.59	15.31	15.54	18.44	<=38.5	Pass
CP-OFDM QPSK	831.5	Outer Full	17.77	17.59	20.69	16.62	16.44	19.54	<=38.5	Pass
		Inner Full	19.32	19.10	22.23	18.17	17.95	21.07	<=38.5	Pass
		Inner 1RB Left	19.38	19.27	22.33	18.23	18.12	21.19	<=38.5	Pass
		Inner 1RB Right	19.27	19.16	22.23	18.12	18.01	21.08	<=38.5	Pass
	836.5	Outer Full	17.61	17.46	20.55	16.46	16.31	19.40	<=38.5	Pass
		Inner Full	19.20	19.01	22.12	18.05	17.86	20.97	<=38.5	Pass
		Inner 1RB Left	19.13	18.90	22.03	17.98	17.75	20.88	<=38.5	Pass
		Inner 1RB Right	19.09	19.14	22.13	17.94	17.99	20.98	<=38.5	Pass
	841.5	Outer Full	17.65	17.64	20.65	16.50	16.49	19.51	<=38.5	Pass
		Inner Full	19.19	19.17	22.19	18.04	18.02	21.04	<=38.5	Pass
		Inner 1RB Left	19.19	18.99	22.10	18.04	17.84	20.95	<=38.5	Pass
		Inner 1RB Right	19.09	19.32	22.22	17.94	18.17	21.07	<=38.5	Pass
CP-OFDM 16 QAM	831.5	Outer Full	17.82	17.64	20.74	16.67	16.49	19.59	<=38.5	Pass
		Inner Full	18.75	18.53	21.66	17.60	17.38	20.50	<=38.5	Pass
		Inner 1RB Left	18.63	18.53	21.59	17.48	17.38	20.44	<=38.5	Pass
		Inner 1RB Right	18.47	18.36	21.43	17.32	17.21	20.28	<=38.5	Pass
	836.5	Outer Full	17.66	17.51	20.60	16.51	16.36	19.45	<=38.5	Pass
		Inner Full	18.67	18.48	21.59	17.52	17.33	20.44	<=38.5	Pass
		Inner 1RB Left	18.45	18.22	21.34	17.30	17.07	20.20	<=38.5	Pass
		Inner 1RB Right	18.43	18.48	21.47	17.28	17.33	20.32	<=38.5	Pass
	841.5	Outer Full	17.67	17.65	20.67	16.52	16.50	19.52	<=38.5	Pass
		Inner Full	18.68	18.66	21.68	17.53	17.51	20.53	<=38.5	Pass
		Inner 1RB Left	18.52	18.31	21.43	17.37	17.16	20.28	<=38.5	Pass
		Inner 1RB Right	18.39	18.62	21.52	17.24	17.47	20.37	<=38.5	Pass
CP-OFDM 64 QAM	831.5	Outer Full	17.36	17.18	20.28	16.21	16.03	19.13	<=38.5	Pass
		Inner Full	17.30	17.08	20.20	16.15	15.93	19.05	<=38.5	Pass
		Inner 1RB Left	17.37	17.27	20.33	16.22	16.12	19.18	<=38.5	Pass
		Inner 1RB Right	17.26	17.15	20.21	16.11	16.00	19.07	<=38.5	Pass
	836.5	Outer Full	17.12	16.97	20.05	15.97	15.82	18.91	<=38.5	Pass
		Inner Full	17.21	17.03	20.13	16.06	15.88	18.98	<=38.5	Pass
		Inner 1RB Left	17.14	16.92	20.04	15.99	15.77	18.89	<=38.5	Pass
		Inner 1RB Right	17.06	17.11	20.09	15.91	15.96	18.95	<=38.5	Pass
	841.5	Outer Full	17.13	17.12	20.14	15.98	15.97	18.99	<=38.5	Pass
		Inner Full	17.21	17.19	20.21	16.06	16.04	19.06	<=38.5	Pass
		Inner 1RB Left	17.17	16.97	20.08	16.02	15.82	18.93	<=38.5	Pass
		Inner 1RB Right	17.04	17.28	20.17	15.89	16.13	19.02	<=38.5	Pass
CP-OFDM 256 QAM	831.5	Outer Full	14.37	14.19	17.29	13.22	13.04	16.14	<=38.5	Pass
		Inner Full	14.30	14.09	17.20	13.15	12.94	16.06	<=38.5	Pass
		Inner 1RB Left	14.45	14.35	17.41	13.30	13.20	16.26	<=38.5	Pass
		Inner 1RB Right	14.35	14.23	17.30	13.20	13.08	16.15	<=38.5	Pass
	836.5	Outer Full	14.24	14.08	17.17	13.09	12.93	16.02	<=38.5	Pass
		Inner Full	14.21	14.03	17.13	13.06	12.88	15.98	<=38.5	Pass
		Inner 1RB Left	14.41	14.18	17.31	13.26	13.03	16.16	<=38.5	Pass
		Inner 1RB Right	14.40	14.46	17.44	13.25	13.31	16.29	<=38.5	Pass
	841.5	Outer Full	14.14	14.12	17.14	12.99	12.97	15.99	<=38.5	Pass
		Inner Full	14.23	14.21	17.23	13.08	13.06	16.08	<=38.5	Pass
		Inner 1RB Left	14.54	14.33	17.45	13.39	13.18	16.30	<=38.5	Pass
		Inner 1RB Right	14.19	14.42	17.32	13.04	13.27	16.17	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;

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 n5 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	834	Outer_Full	20.33	20.19	23.27	19.18	19.04	22.12	<=38.5	Pass
		Inner_Full	20.78	20.58	23.69	19.63	19.43	22.54	<=38.5	Pass
		Inner_1RB_Left	20.80	20.70	23.76	19.65	19.55	22.61	<=38.5	Pass
		Inner_1RB_Right	20.78	20.86	23.83	19.63	19.71	22.68	<=38.5	Pass
	836.5	Outer_Full	20.13	19.99	23.07	18.98	18.84	21.92	<=38.5	Pass
		Inner_Full	20.76	20.58	23.68	19.61	19.43	22.53	<=38.5	Pass
		Inner_1RB_Left	20.70	20.52	23.62	19.55	19.37	22.47	<=38.5	Pass
		Inner_1RB_Right	20.83	20.97	23.91	19.68	19.82	22.76	<=38.5	Pass
	839	Outer_Full	20.10	20.01	23.07	18.95	18.86	21.92	<=38.5	Pass
		Inner_Full	20.73	20.61	23.68	19.58	19.46	22.53	<=38.5	Pass
		Inner_1RB_Left	20.75	20.54	23.65	19.60	19.39	22.51	<=38.5	Pass
		Inner_1RB_Right	20.85	21.07	23.97	19.70	19.92	22.82	<=38.5	Pass
DFT-s-OFDM QPSK	834	Outer_Full	19.76	19.61	22.69	18.61	18.46	21.55	<=38.5	Pass
		Inner_Full	20.85	20.65	23.76	19.70	19.50	22.61	<=38.5	Pass
		Inner_1RB_Left	20.72	20.61	23.67	19.57	19.46	22.53	<=38.5	Pass
		Inner_1RB_Right	20.71	20.78	23.76	19.56	19.63	22.61	<=38.5	Pass
	836.5	Outer_Full	19.64	19.50	22.58	18.49	18.35	21.43	<=38.5	Pass
		Inner_Full	20.74	20.55	23.66	19.59	19.40	22.51	<=38.5	Pass
		Inner_1RB_Left	20.65	20.47	23.57	19.50	19.32	22.42	<=38.5	Pass
		Inner_1RB_Right	20.69	20.84	23.78	19.54	19.69	22.63	<=38.5	Pass
	839	Outer_Full	19.61	19.52	22.57	18.46	18.37	21.43	<=38.5	Pass
		Inner_Full	20.72	20.60	23.67	19.57	19.45	22.52	<=38.5	Pass
		Inner_1RB_Left	20.62	20.42	23.53	19.47	19.27	22.38	<=38.5	Pass
		Inner_1RB_Right	20.71	20.93	23.83	19.56	19.78	22.68	<=38.5	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.81	18.67	21.75	17.66	17.52	20.60	<=38.5	Pass
		Inner_Full	19.76	19.56	22.67	18.61	18.41	21.52	<=38.5	Pass
		Inner_1RB_Left	19.56	19.46	22.52	18.41	18.31	21.37	<=38.5	Pass
		Inner_1RB_Right	19.60	19.68	22.65	18.45	18.53	21.50	<=38.5	Pass
	836.5	Outer_Full	18.66	18.52	21.60	17.51	17.37	20.45	<=38.5	Pass
		Inner_Full	19.79	19.61	22.71	18.64	18.46	21.56	<=38.5	Pass
		Inner_1RB_Left	19.56	19.38	22.48	18.41	18.23	21.33	<=38.5	Pass
		Inner_1RB_Right	19.56	19.71	22.65	18.41	18.56	21.50	<=38.5	Pass
	839	Outer_Full	18.62	18.53	21.59	17.47	17.38	20.44	<=38.5	Pass
		Inner_Full	19.73	19.61	22.68	18.58	18.46	21.53	<=38.5	Pass
		Inner_1RB_Left	19.82	19.61	22.73	18.67	18.46	21.58	<=38.5	Pass
		Inner_1RB_Right	19.47	19.70	22.60	18.32	18.55	21.45	<=38.5	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.28	18.14	21.22	17.13	16.99	20.07	<=38.5	Pass
		Inner_Full	18.30	18.10	21.21	17.15	16.95	20.06	<=38.5	Pass
		Inner_1RB_Left	18.17	18.06	21.13	17.02	16.91	19.98	<=38.5	Pass
		Inner_1RB_Right	18.14	18.21	21.19	16.99	17.06	20.04	<=38.5	Pass
	836.5	Outer_Full	18.18	18.03	21.12	17.03	16.88	19.97	<=38.5	Pass
		Inner_Full	18.24	18.06	21.16	17.09	16.91	20.01	<=38.5	Pass
		Inner_1RB_Left	18.37	18.19	21.29	17.22	17.04	20.14	<=38.5	Pass
		Inner_1RB_Right	18.09	18.23	21.17	16.94	17.08	20.02	<=38.5	Pass
	839	Outer_Full	18.12	18.03	21.08	16.97	16.88	19.94	<=38.5	Pass
		Inner_Full	18.12	18.00	21.07	16.97	16.85	19.92	<=38.5	Pass
		Inner_1RB_Left	18.31	18.27	21.30	17.16	17.12	20.15	<=38.5	Pass
		Inner_1RB_Right	18.10	18.33	21.22	16.95	17.18	20.08	<=38.5	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	16.35	16.20	19.28	15.20	15.05	18.14	<=38.5	Pass
		Inner_Full	16.34	16.14	19.25	15.19	14.99	18.10	<=38.5	Pass

		Inner 1RB Left	16.59	16.48	19.54	15.44	15.33	18.40	<=38.5	Pass
		Inner 1RB Right	16.56	16.64	19.61	15.41	15.49	18.46	<=38.5	Pass
	836.5	Outer Full	16.22	16.07	19.15	15.07	14.92	18.01	<=38.5	Pass
		Inner Full	16.31	16.12	19.23	15.16	14.97	18.08	<=38.5	Pass
		Inner 1RB Left	16.46	16.28	19.38	15.31	15.13	18.23	<=38.5	Pass
		Inner 1RB Right	16.51	16.66	19.59	15.36	15.51	18.45	<=38.5	Pass
	839	Outer Full	16.12	16.02	19.08	14.97	14.87	17.93	<=38.5	Pass
		Inner Full	16.25	16.14	19.21	15.10	14.99	18.06	<=38.5	Pass
		Inner 1RB Left	16.45	16.25	19.36	15.30	15.10	18.21	<=38.5	Pass
		Inner 1RB Right	16.48	16.71	19.61	15.33	15.56	18.46	<=38.5	Pass
CP-OFDM QPSK	834	Outer Full	17.79	17.66	20.73	16.64	16.51	19.59	<=38.5	Pass
		Inner Full	19.30	19.11	22.22	18.15	17.96	21.07	<=38.5	Pass
		Inner 1RB Left	19.36	19.26	22.32	18.21	18.11	21.17	<=38.5	Pass
		Inner 1RB Right	19.36	19.44	22.41	18.21	18.29	21.26	<=38.5	Pass
	836.5	Outer Full	17.60	17.47	20.55	16.45	16.32	19.40	<=38.5	Pass
		Inner Full	19.27	19.09	22.19	18.12	17.94	21.04	<=38.5	Pass
		Inner 1RB Left	19.08	18.90	22.01	17.93	17.75	20.85	<=38.5	Pass
		Inner 1RB Right	19.15	19.29	22.23	18.00	18.14	21.08	<=38.5	Pass
	839	Outer Full	17.55	17.47	20.52	16.40	16.32	19.37	<=38.5	Pass
		Inner Full	19.28	19.17	22.24	18.13	18.02	21.09	<=38.5	Pass
		Inner 1RB Left	19.17	18.97	22.08	18.02	17.82	20.93	<=38.5	Pass
		Inner 1RB Right	19.08	19.30	22.20	17.93	18.15	21.05	<=38.5	Pass
CP-OFDM 16 QAM	834	Outer Full	17.78	17.64	20.72	16.63	16.49	19.57	<=38.5	Pass
		Inner Full	18.81	18.62	21.72	17.66	17.47	20.58	<=38.5	Pass
		Inner 1RB Left	18.69	18.58	21.65	17.54	17.43	20.50	<=38.5	Pass
		Inner 1RB Right	18.60	18.68	21.65	17.45	17.53	20.50	<=38.5	Pass
	836.5	Outer Full	17.56	17.43	20.51	16.41	16.28	19.36	<=38.5	Pass
		Inner Full	18.75	18.57	21.67	17.60	17.42	20.52	<=38.5	Pass
		Inner 1RB Left	18.77	18.59	21.69	17.62	17.44	20.54	<=38.5	Pass
		Inner 1RB Right	18.67	18.82	21.76	17.52	17.67	20.61	<=38.5	Pass
	839	Outer Full	17.56	17.48	20.53	16.41	16.33	19.38	<=38.5	Pass
		Inner Full	18.72	18.61	21.68	17.57	17.46	20.53	<=38.5	Pass
		Inner 1RB Left	18.55	18.34	21.46	17.40	17.19	20.31	<=38.5	Pass
		Inner 1RB Right	18.42	18.65	21.55	17.27	17.50	20.40	<=38.5	Pass
CP-OFDM 64 QAM	834	Outer Full	17.33	17.19	20.27	16.18	16.04	19.12	<=38.5	Pass
		Inner Full	17.27	17.08	20.19	16.12	15.93	19.04	<=38.5	Pass
		Inner 1RB Left	17.36	17.26	20.32	16.21	16.11	19.17	<=38.5	Pass
		Inner 1RB Right	17.04	17.12	20.09	15.89	15.97	18.94	<=38.5	Pass
	836.5	Outer Full	17.09	16.96	20.04	15.94	15.81	18.89	<=38.5	Pass
		Inner Full	17.21	17.03	20.13	16.06	15.88	18.98	<=38.5	Pass
		Inner 1RB Left	17.11	16.93	20.03	15.96	15.78	18.88	<=38.5	Pass
		Inner 1RB Right	17.13	17.28	20.21	15.98	16.13	19.07	<=38.5	Pass
	839	Outer Full	17.04	16.96	20.01	15.89	15.81	18.86	<=38.5	Pass
		Inner Full	17.20	17.10	20.16	16.05	15.95	19.01	<=38.5	Pass
		Inner 1RB Left	17.11	16.90	20.02	15.96	15.75	18.87	<=38.5	Pass
		Inner 1RB Right	17.07	17.29	20.19	15.92	16.14	19.04	<=38.5	Pass
CP-OFDM 256 QAM	834	Outer Full	14.29	14.15	17.23	13.14	13.00	16.08	<=38.5	Pass
		Inner Full	14.37	14.18	17.29	13.22	13.03	16.14	<=38.5	Pass
		Inner 1RB Left	14.51	14.41	17.47	13.36	13.26	16.32	<=38.5	Pass
		Inner 1RB Right	14.46	14.54	17.51	13.31	13.39	16.36	<=38.5	Pass
	836.5	Outer Full	14.11	13.99	17.06	12.96	12.84	15.91	<=38.5	Pass
		Inner Full	14.28	14.11	17.21	13.13	12.96	16.06	<=38.5	Pass
		Inner 1RB Left	14.50	14.33	17.43	13.35	13.18	16.28	<=38.5	Pass
		Inner 1RB Right	14.46	14.60	17.54	13.31	13.45	16.39	<=38.5	Pass
	839	Outer Full	14.03	13.95	17.00	12.88	12.80	15.85	<=38.5	Pass
		Inner Full	14.26	14.15	17.22	13.11	13.00	16.07	<=38.5	Pass
		Inner 1RB Left	14.43	14.23	17.34	13.28	13.08	16.19	<=38.5	Pass
		Inner 1RB Right	14.45	14.68	17.58	13.30	13.53	16.43	<=38.5	Pass

Note1: Antenna Gain: Ant1: 1.00dBi; Ant2: 1.00dBi;

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_20MHz

5G NR n5 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	836.5	Outer_Full	20	LV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0106	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0078	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0088	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0082	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0072	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0084	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0071	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0103	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0111	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	836.5	Outer_Full	20	LV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0094	>=-2.5 & <=2.5	Pass
			-30	NV	-9.90	-0.0118	>=-2.5 & <=2.5	Pass
			-20	NV	-7.60	-0.0091	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0086	>=-2.5 & <=2.5	Pass
			0	NV	-9.70	-0.0116	>=-2.5 & <=2.5	Pass
			10	NV	-10.00	-0.0120	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0126	>=-2.5 & <=2.5	Pass
			30	NV	-9.60	-0.0115	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0108	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0105	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	826.5	Outer_Full	4.52	4.94	/	Pass
	836.5	Outer_Full	4.52	4.93	/	Pass
	846.5	Outer_Full	4.53	4.95	/	Pass
DFT-s-OFDM QPSK	826.5	Outer_Full	4.48	4.90	/	Pass
	836.5	Outer_Full	4.48	4.91	/	Pass
	846.5	Outer_Full	4.49	4.90	/	Pass
DFT-s-OFDM 16 QAM	826.5	Outer_Full	4.49	4.91	/	Pass
	836.5	Outer_Full	4.48	4.92	/	Pass
	846.5	Outer_Full	4.48	4.91	/	Pass
DFT-s-OFDM 64 QAM	826.5	Outer_Full	4.50	4.92	/	Pass

DFT-s-OFDM 256 QAM	836.5	Outer_Full	4.49	4.91	/	Pass
	846.5	Outer_Full	4.52	4.93	/	Pass
	826.5	Outer_Full	4.52	4.92	/	Pass
	836.5	Outer_Full	4.50	4.96	/	Pass
	846.5	Outer_Full	4.51	4.92	/	Pass
CP-OFDM QPSK	826.5	Outer_Full	4.51	4.96	/	Pass
	836.5	Outer_Full	4.50	4.93	/	Pass
	846.5	Outer_Full	4.51	4.92	/	Pass
CP-OFDM 16 QAM	826.5	Outer_Full	4.49	4.97	/	Pass
	836.5	Outer_Full	4.49	4.91	/	Pass
	846.5	Outer_Full	4.49	4.94	/	Pass
CP-OFDM 64 QAM	826.5	Outer_Full	4.51	4.92	/	Pass
	836.5	Outer_Full	4.51	4.95	/	Pass
	846.5	Outer_Full	4.51	4.96	/	Pass
CP-OFDM 256 QAM	826.5	Outer_Full	4.50	4.95	/	Pass
	836.5	Outer_Full	4.49	4.92	/	Pass
	846.5	Outer_Full	4.50	4.96	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	829	Outer_Full	9.03	9.57	/	Pass
	836.5	Outer_Full	9.00	9.53	/	Pass
	844	Outer_Full	9.03	9.55	/	Pass
DFT-s-OFDM QPSK	829	Outer_Full	8.98	9.53	/	Pass
	836.5	Outer_Full	8.96	9.52	/	Pass
	844	Outer_Full	8.99	9.53	/	Pass
DFT-s-OFDM 16 QAM	829	Outer_Full	9.02	9.57	/	Pass
	836.5	Outer_Full	8.99	9.51	/	Pass
	844	Outer_Full	9.03	9.53	/	Pass
DFT-s-OFDM 64 QAM	829	Outer_Full	8.98	9.61	/	Pass
	836.5	Outer_Full	8.97	9.58	/	Pass
	844	Outer_Full	8.99	9.54	/	Pass
DFT-s-OFDM 256 QAM	829	Outer_Full	9.00	9.60	/	Pass
	836.5	Outer_Full	8.99	9.55	/	Pass
	844	Outer_Full	8.99	9.59	/	Pass
CP-OFDM QPSK	829	Outer_Full	9.34	9.95	/	Pass
	836.5	Outer_Full	9.31	9.94	/	Pass
	844	Outer_Full	9.35	9.95	/	Pass
CP-OFDM 16 QAM	829	Outer_Full	9.34	9.96	/	Pass
	836.5	Outer_Full	9.32	9.92	/	Pass
	844	Outer_Full	9.34	9.89	/	Pass
CP-OFDM 64 QAM	829	Outer_Full	9.31	9.90	/	Pass
	836.5	Outer_Full	9.29	9.96	/	Pass
	844	Outer_Full	9.32	9.92	/	Pass
CP-OFDM 256 QAM	829	Outer_Full	9.33	9.94	/	Pass
	836.5	Outer_Full	9.29	9.92	/	Pass
	844	Outer_Full	9.33	9.93	/	Pass

3.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict

DFT-s-OFDM PI/2 BPSK	831.5	Outer_Full	13.54	14.23	/	Pass
	836.5	Outer_Full	13.43	14.22	/	Pass
	841.5	Outer_Full	13.47	14.26	/	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	13.53	14.26	/	Pass
	836.5	Outer_Full	13.47	14.25	/	Pass
	841.5	Outer_Full	13.44	14.25	/	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	13.55	14.27	/	Pass
	836.5	Outer_Full	13.47	14.28	/	Pass
	841.5	Outer_Full	13.47	14.26	/	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	13.48	14.29	/	Pass
	836.5	Outer_Full	13.42	14.22	/	Pass
	841.5	Outer_Full	13.42	14.26	/	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	13.49	14.24	/	Pass
	836.5	Outer_Full	13.47	14.23	/	Pass
	841.5	Outer_Full	13.45	14.26	/	Pass
CP-OFDM QPSK	831.5	Outer_Full	14.20	15.01	/	Pass
	836.5	Outer_Full	14.16	14.94	/	Pass
	841.5	Outer_Full	14.16	14.96	/	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	14.23	15.00	/	Pass
	836.5	Outer_Full	14.18	14.94	/	Pass
	841.5	Outer_Full	14.19	14.98	/	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	14.20	14.99	/	Pass
	836.5	Outer_Full	14.14	14.95	/	Pass
	841.5	Outer_Full	14.15	14.91	/	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	14.23	14.99	/	Pass
	836.5	Outer_Full	14.15	15.00	/	Pass
	841.5	Outer_Full	14.17	15.00	/	Pass

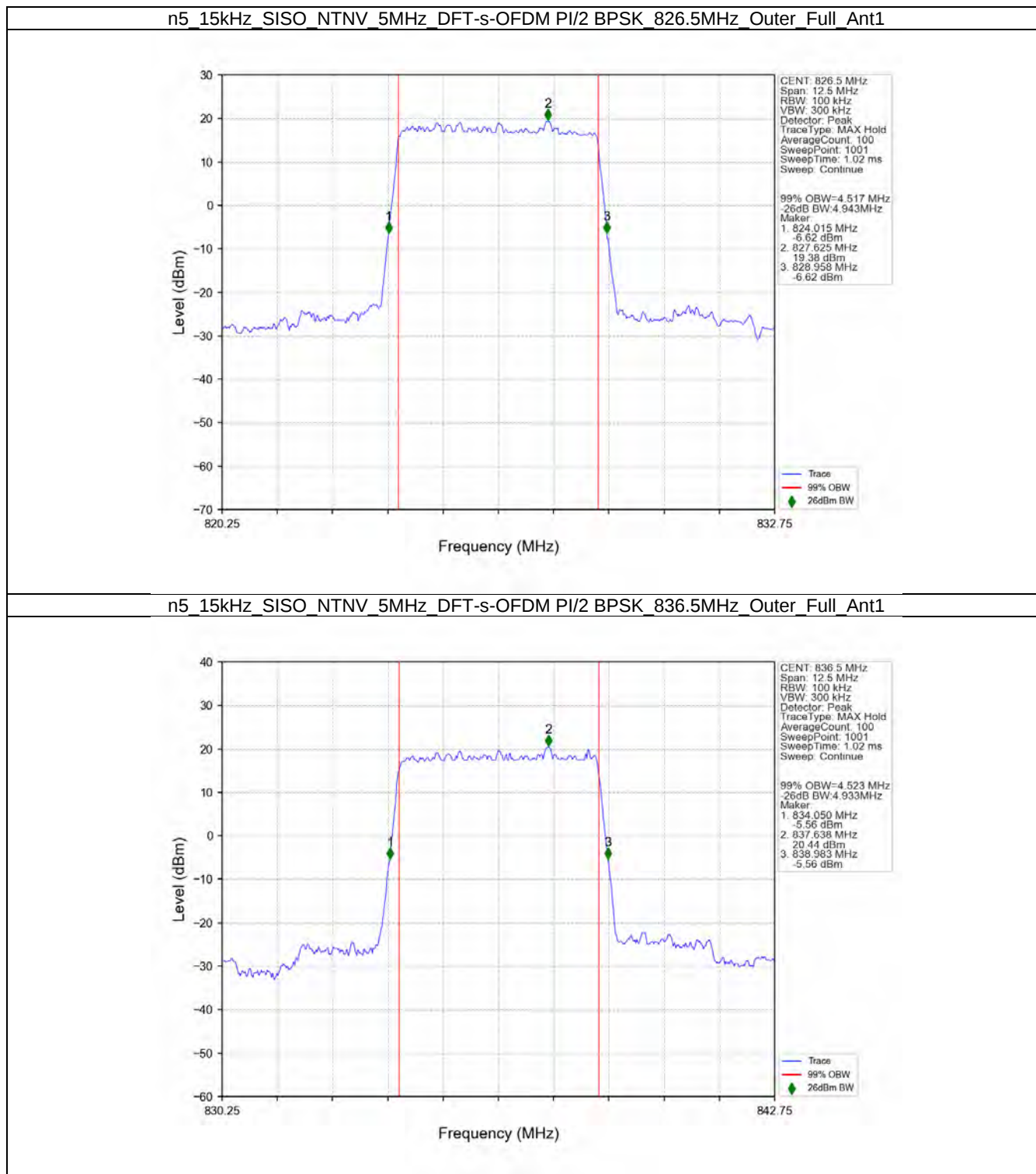
3.1.4 15k_SISO_20MHz_NTNV

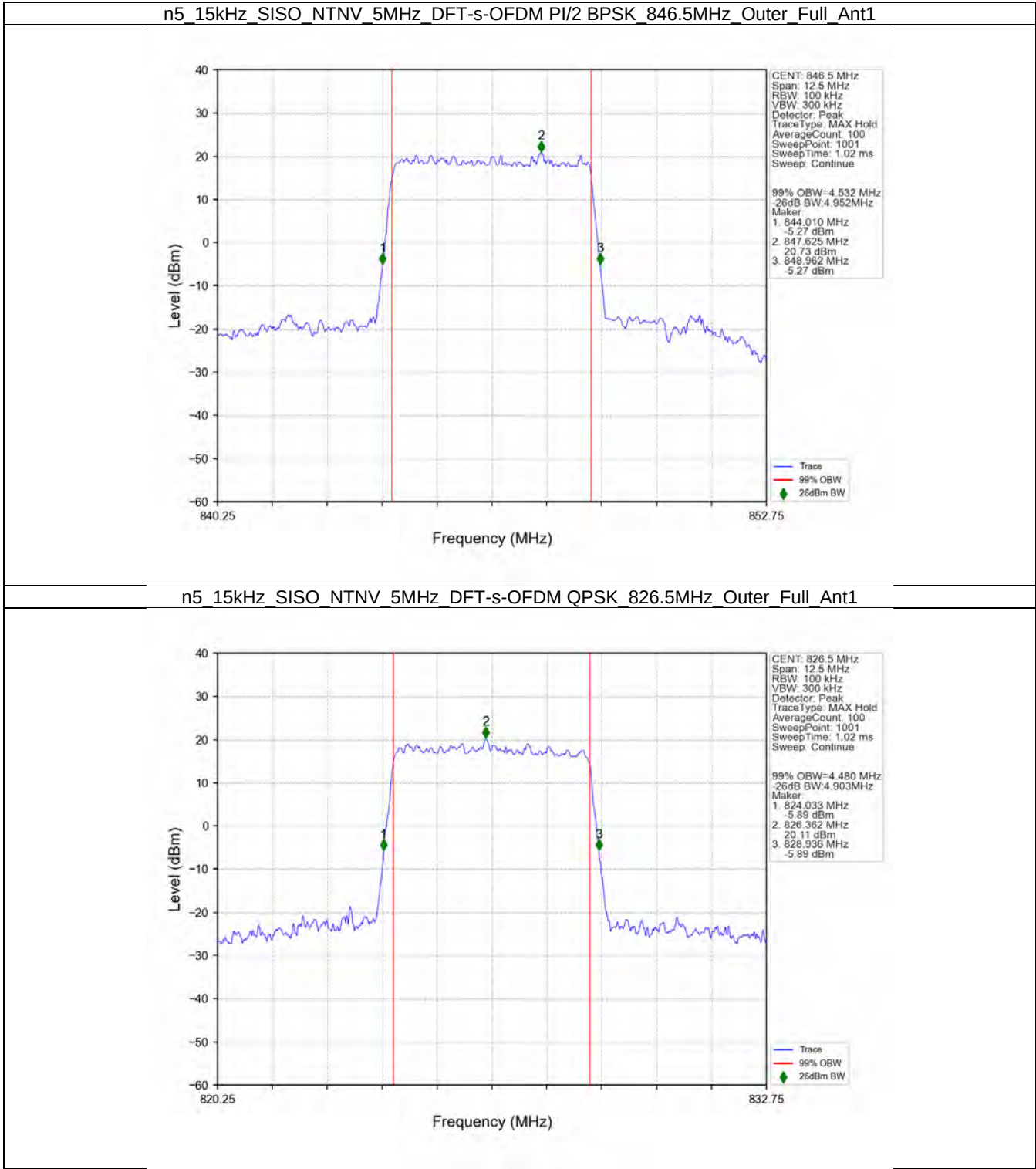
5G NR n5 SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	17.96	19.18	/	Pass
	836.5	Outer_Full	17.91	19.18	/	Pass
	839	Outer_Full	17.89	19.13	/	Pass
DFT-s-OFDM QPSK	834	Outer_Full	18.06	19.18	/	Pass
	836.5	Outer_Full	18.03	19.15	/	Pass
	839	Outer_Full	18.02	19.19	/	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	18.04	19.18	/	Pass
	836.5	Outer_Full	18.00	19.24	/	Pass
	839	Outer_Full	17.93	19.18	/	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	18.04	19.23	/	Pass
	836.5	Outer_Full	17.95	19.20	/	Pass
	839	Outer_Full	17.98	19.15	/	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	18.09	19.21	/	Pass
	836.5	Outer_Full	18.05	19.16	/	Pass
	839	Outer_Full	18.03	19.17	/	Pass
CP-OFDM QPSK	834	Outer_Full	19.07	20.23	/	Pass
	836.5	Outer_Full	19.09	20.23	/	Pass
	839	Outer_Full	19.07	20.24	/	Pass
CP-OFDM 16 QAM	834	Outer_Full	19.09	20.26	/	Pass
	836.5	Outer_Full	19.05	20.20	/	Pass
	839	Outer_Full	19.07	20.21	/	Pass
CP-OFDM 64 QAM	834	Outer_Full	19.08	20.28	/	Pass
	836.5	Outer_Full	19.03	20.22	/	Pass
	839	Outer_Full	19.02	20.22	/	Pass
CP-OFDM 256 QAM	834	Outer_Full	19.07	20.32	/	Pass

	836.5	Outer Full	18.99	20.15	/	Pass
	839	Outer Full	19.02	20.14	/	Pass

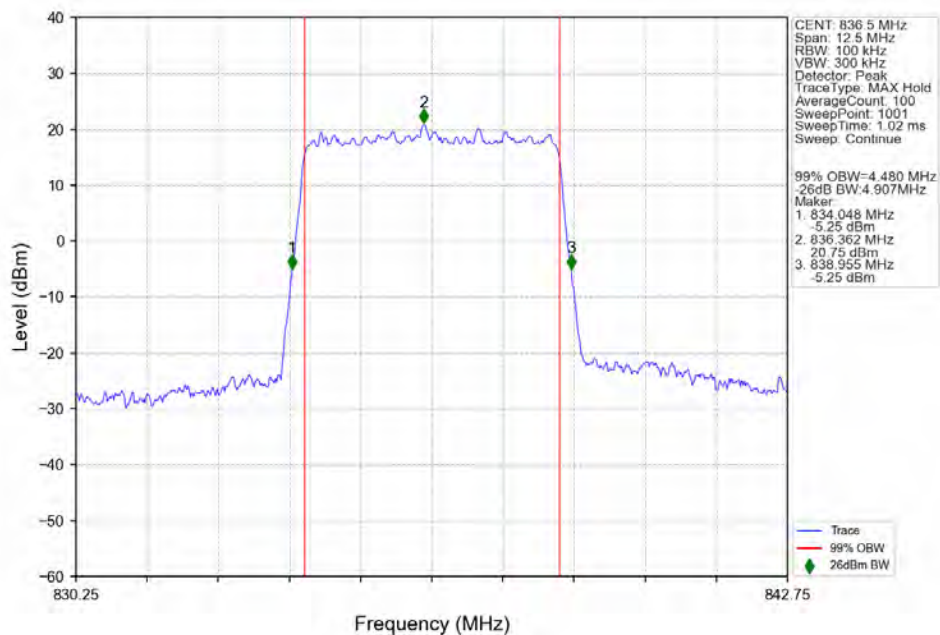
3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV

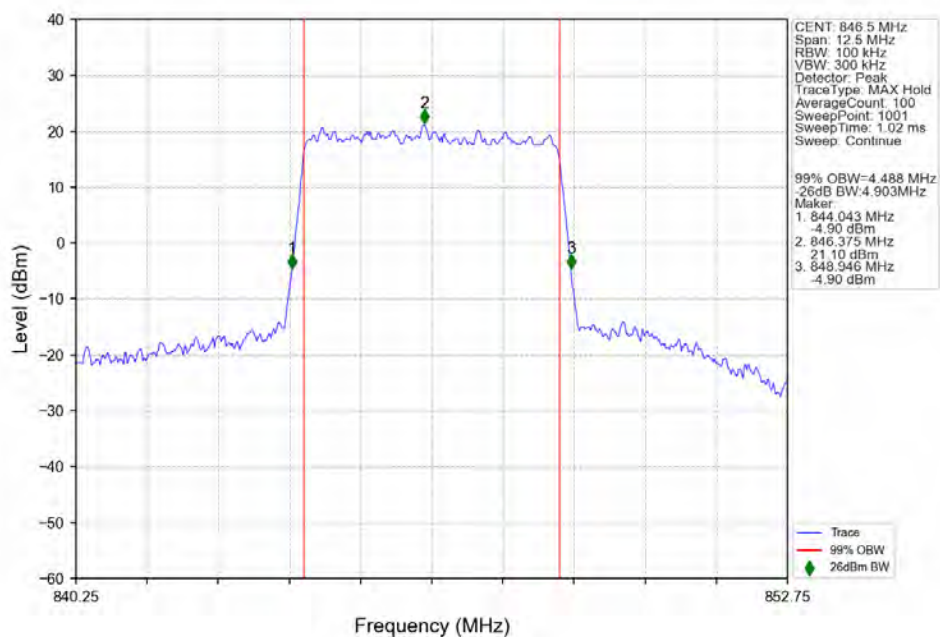




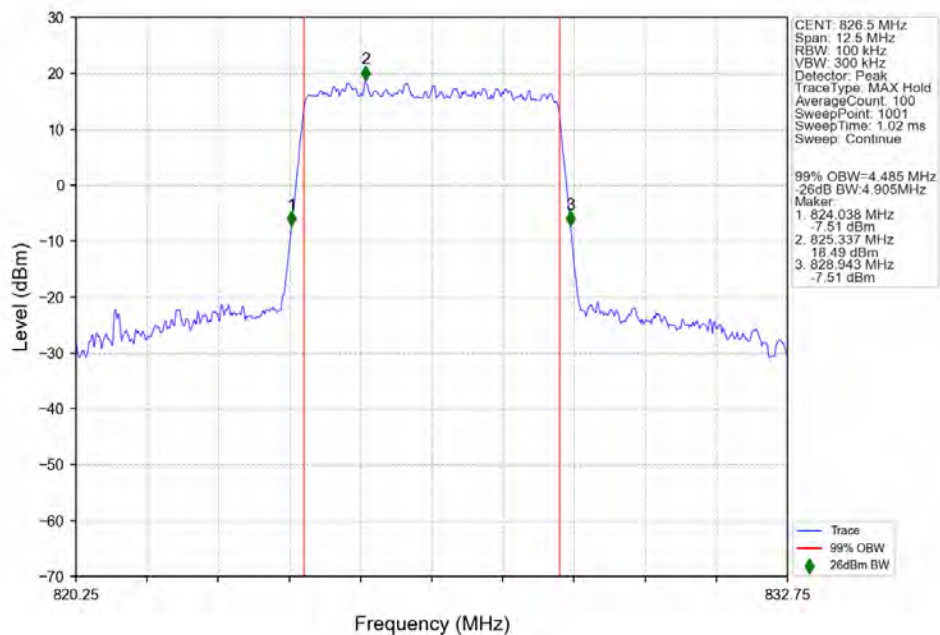
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 836.5MHz Outer Full Ant1



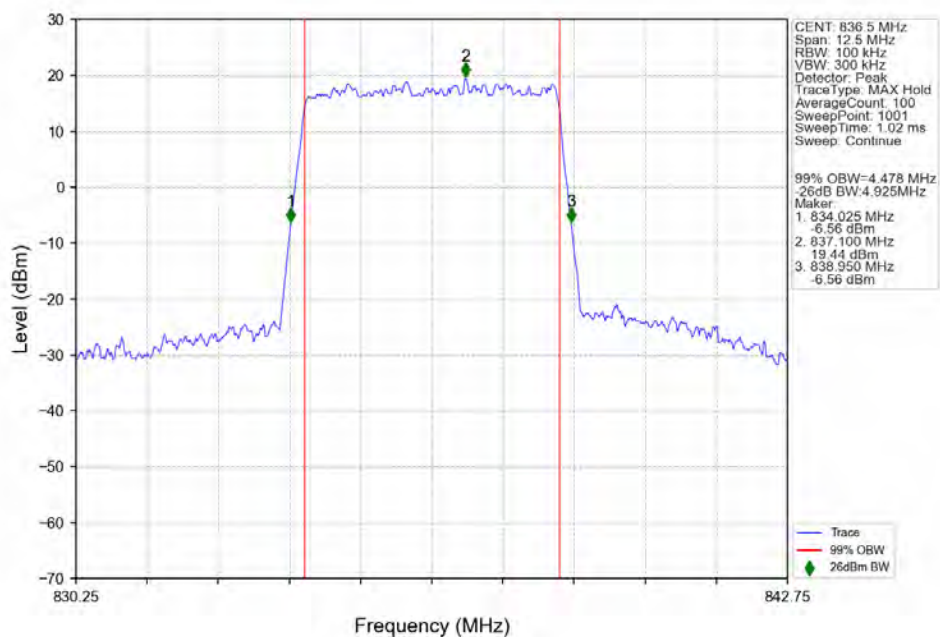
n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Outer Full Ant1



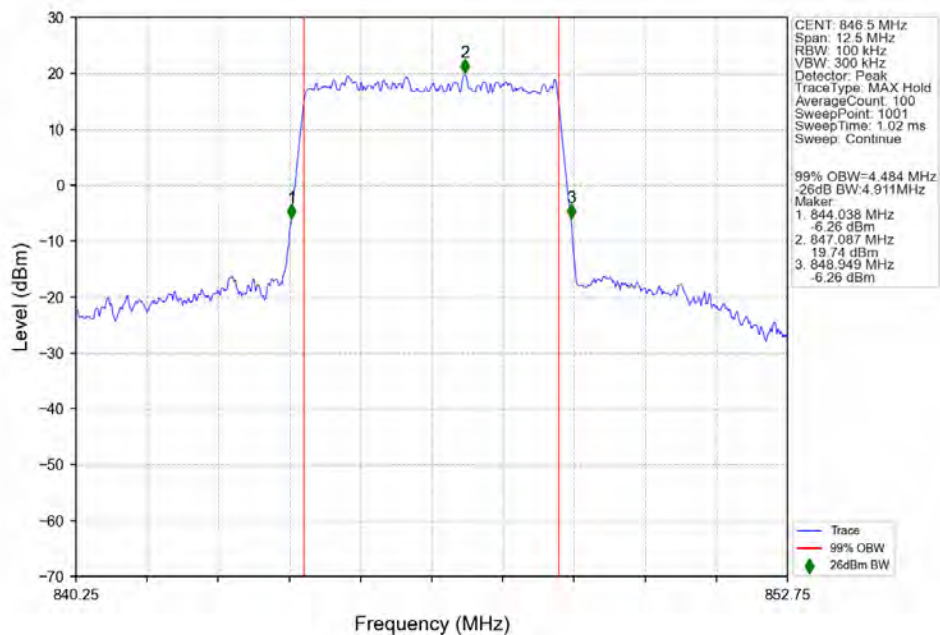
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_826.5MHz_Outer_Full_Ant1



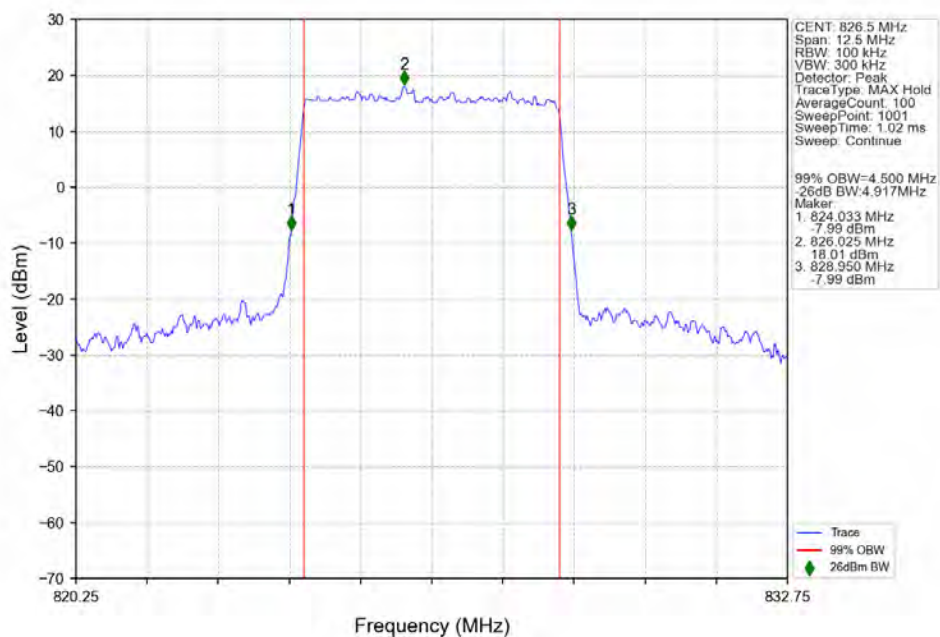
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



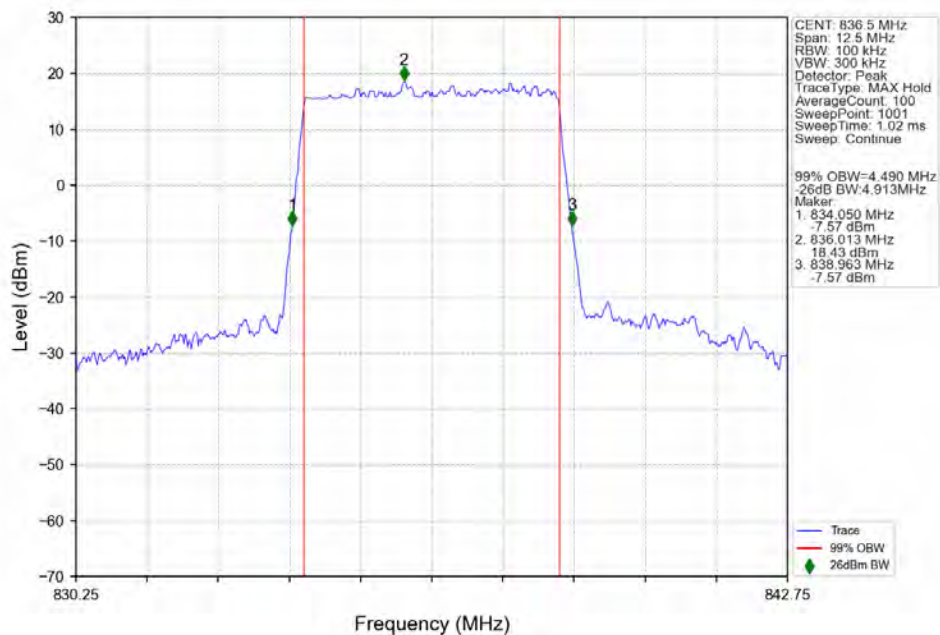
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



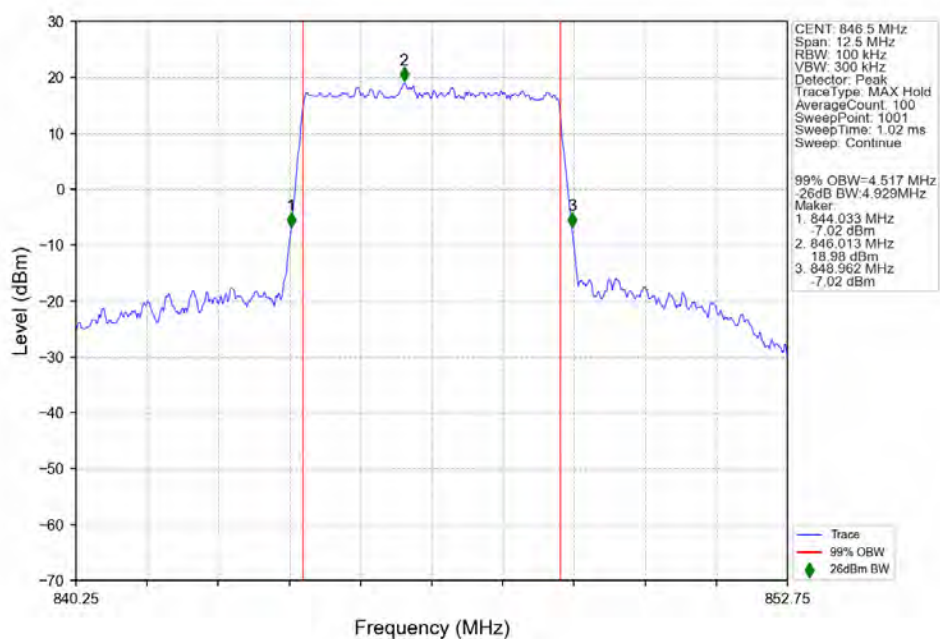
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



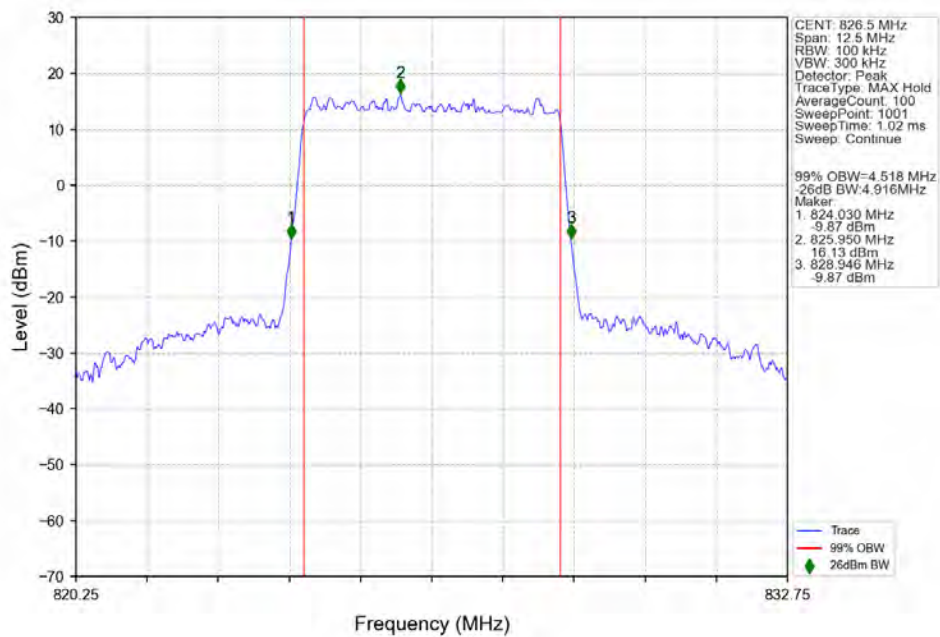
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



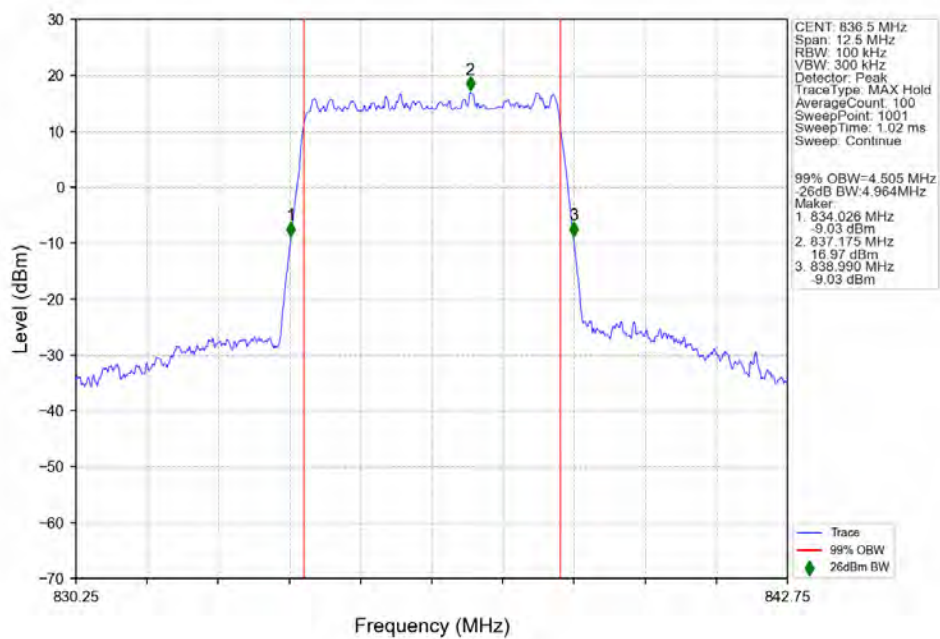
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_846.5MHz_Outer_Full_Ant1



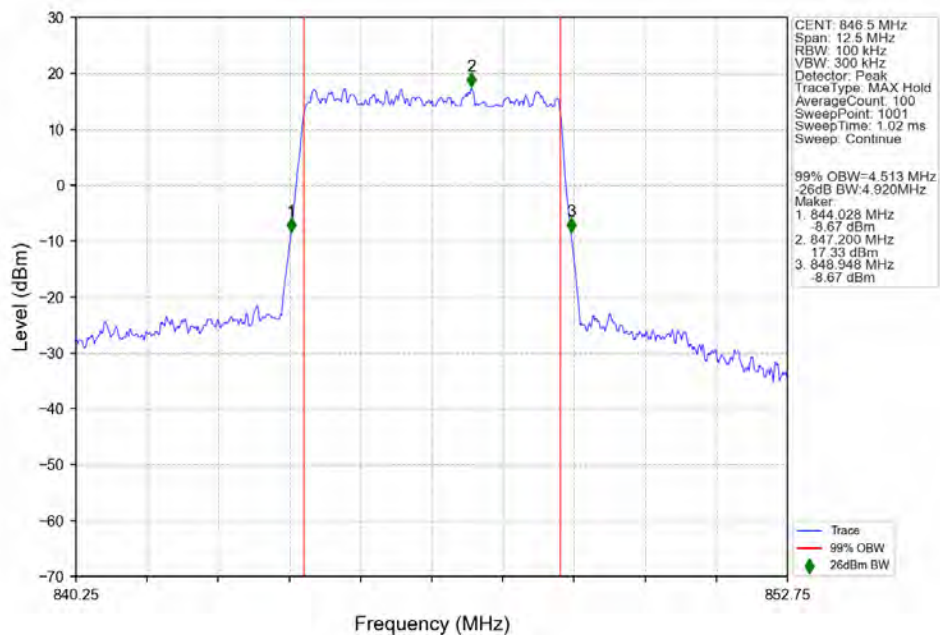
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 826.5MHz Outer Full Ant1



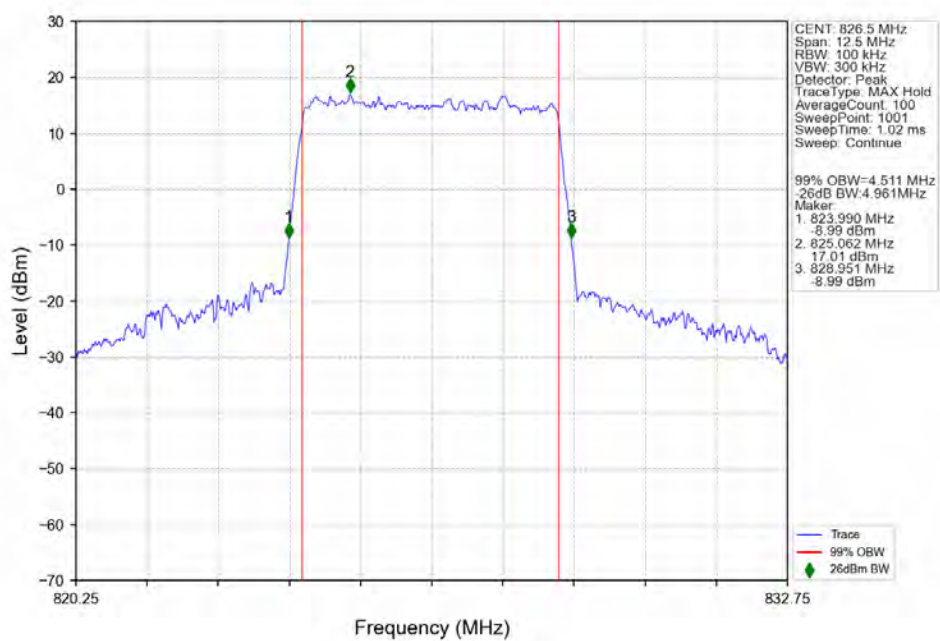
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



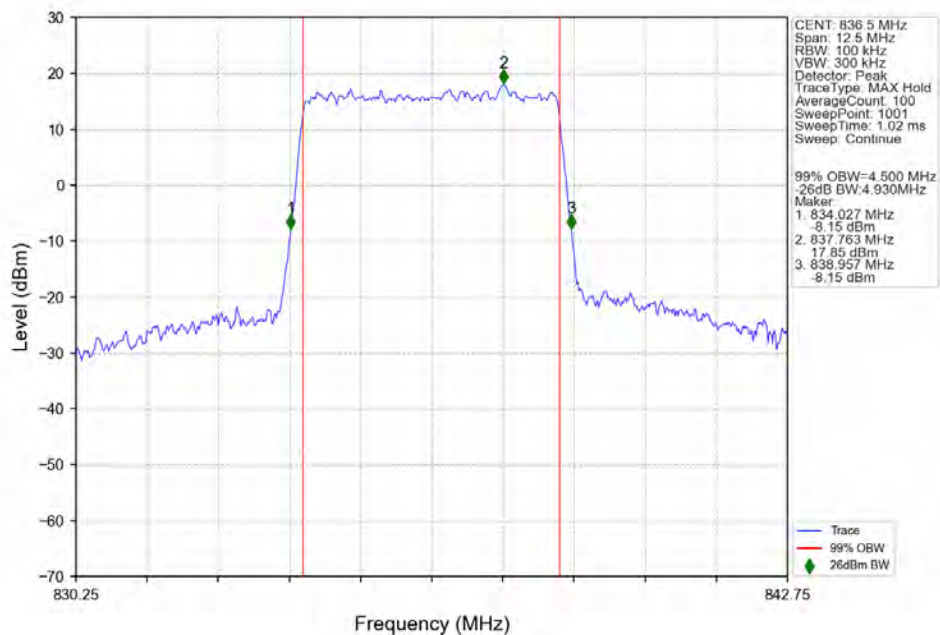
n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 846.5MHz Outer Full Ant1



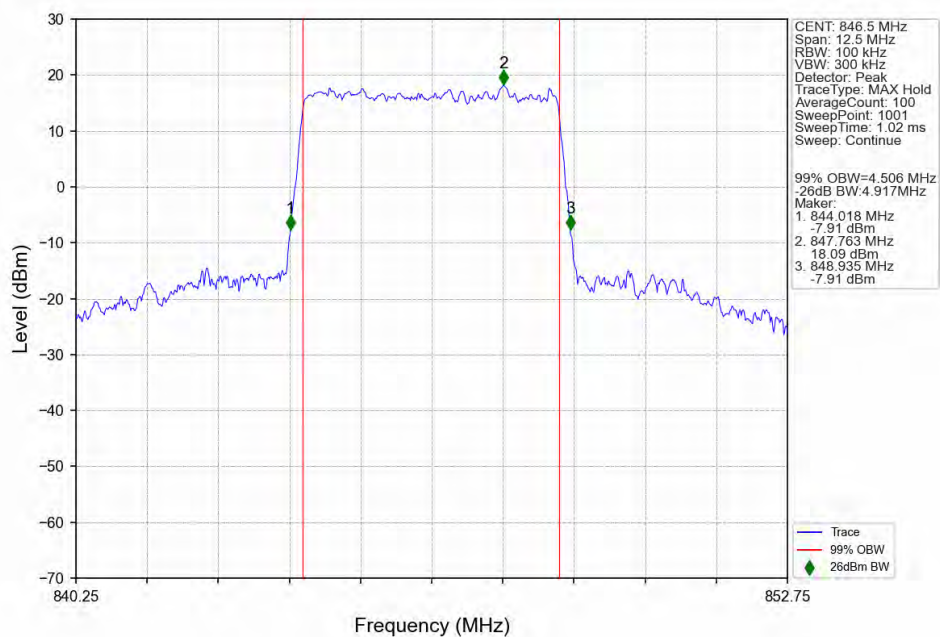
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 826.5MHz Outer Full Ant1



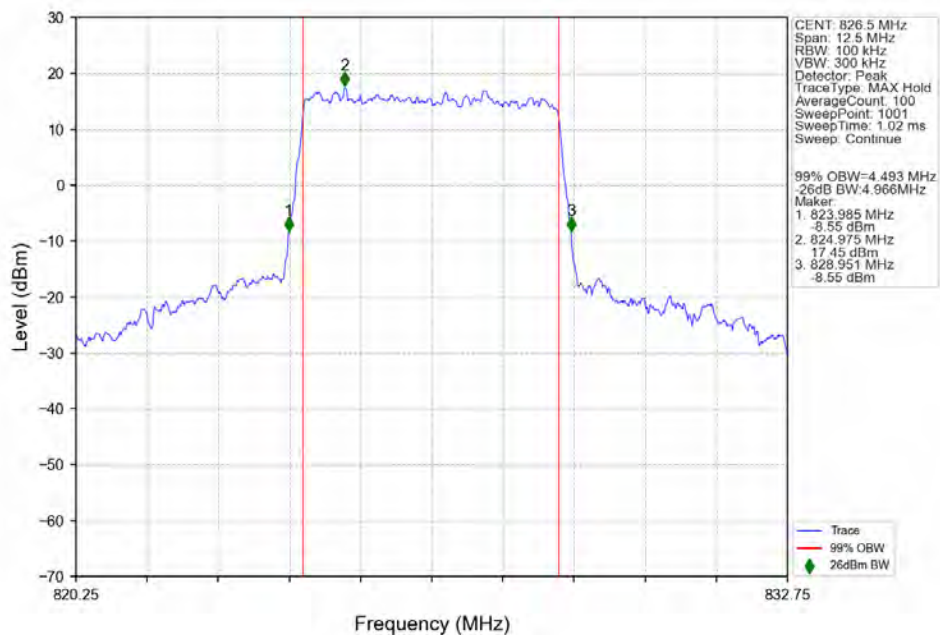
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 836.5MHz Outer Full Ant1



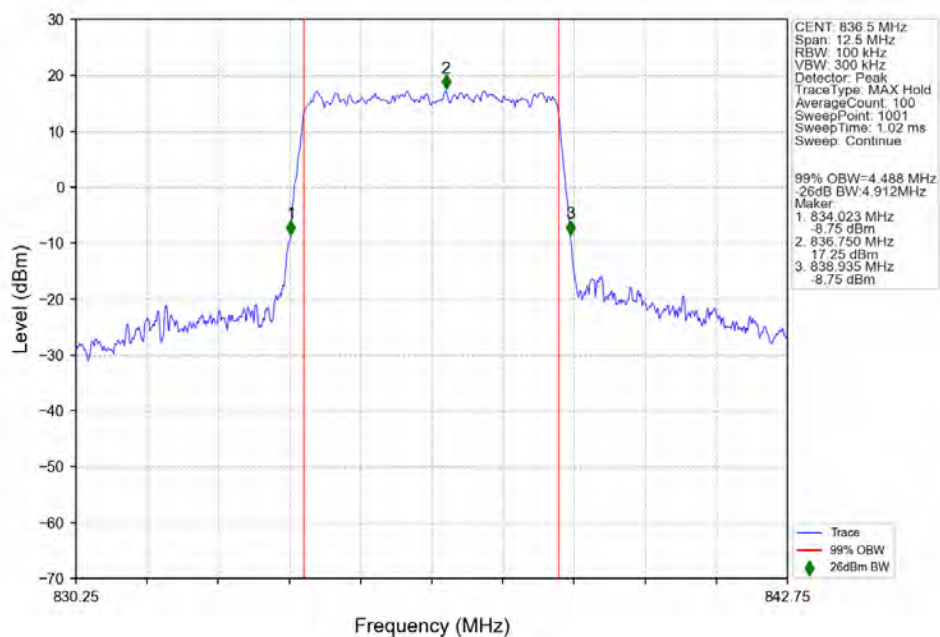
n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 846.5MHz Outer Full Ant1



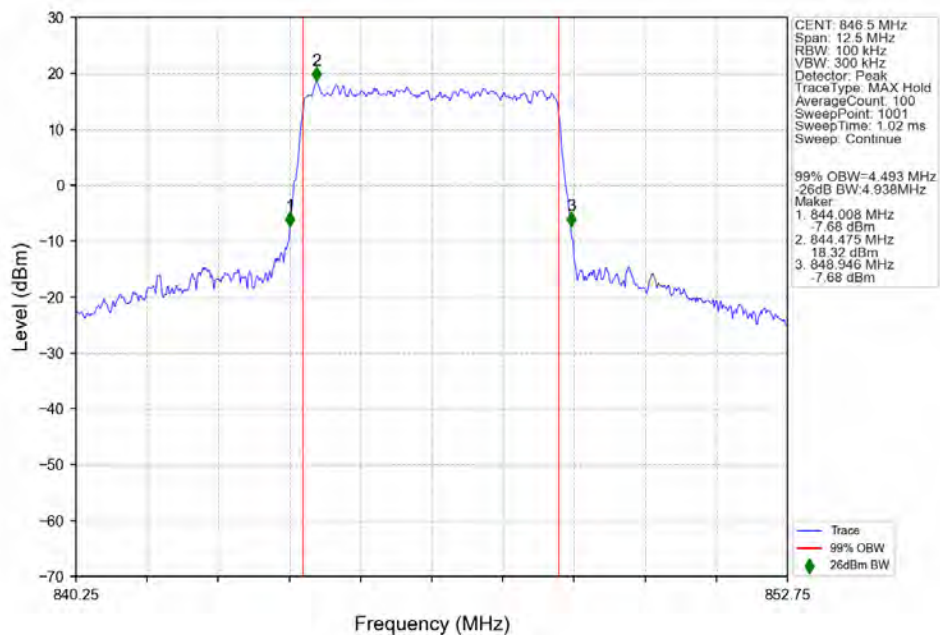
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_826.5MHz_Outer_Full_Ant1



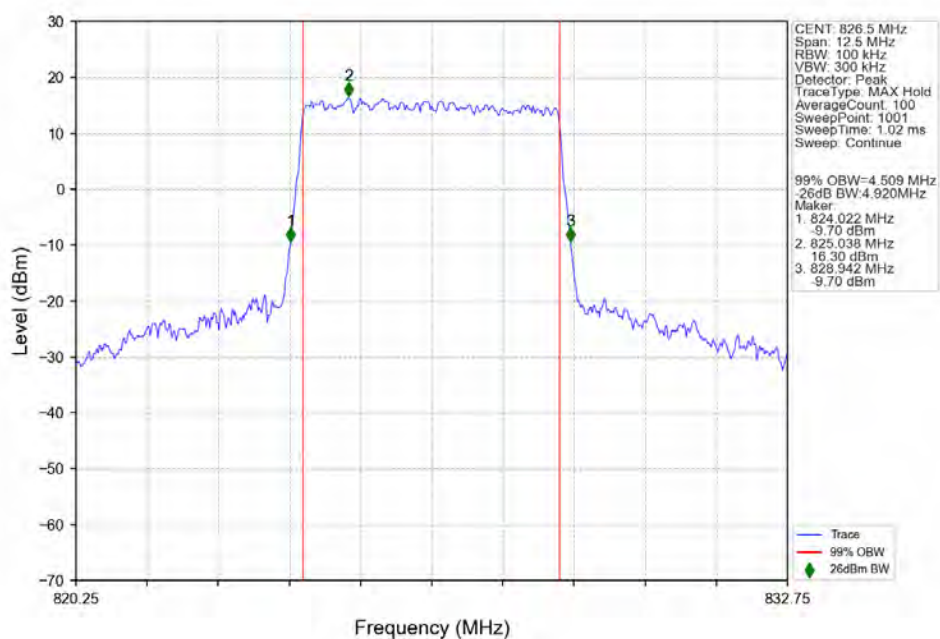
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full_Ant1



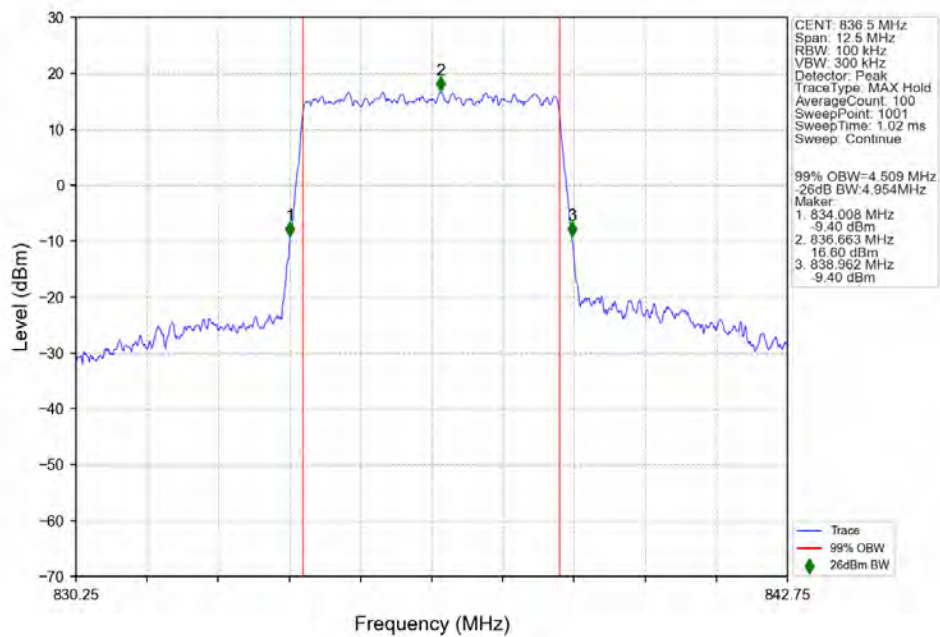
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_846.5MHz_Outer_Full_Ant1



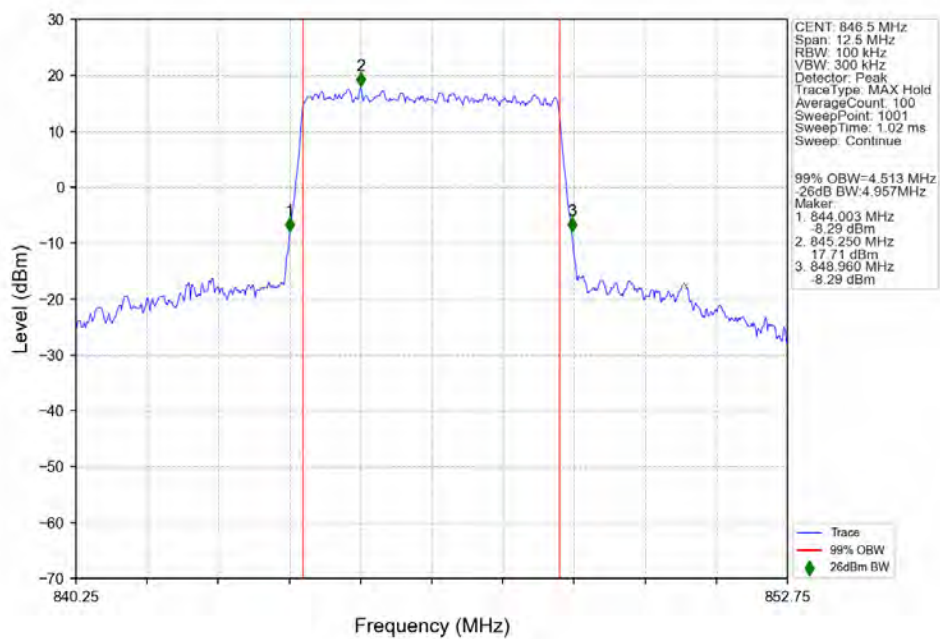
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_826.5MHz_Outer_Full_Ant1



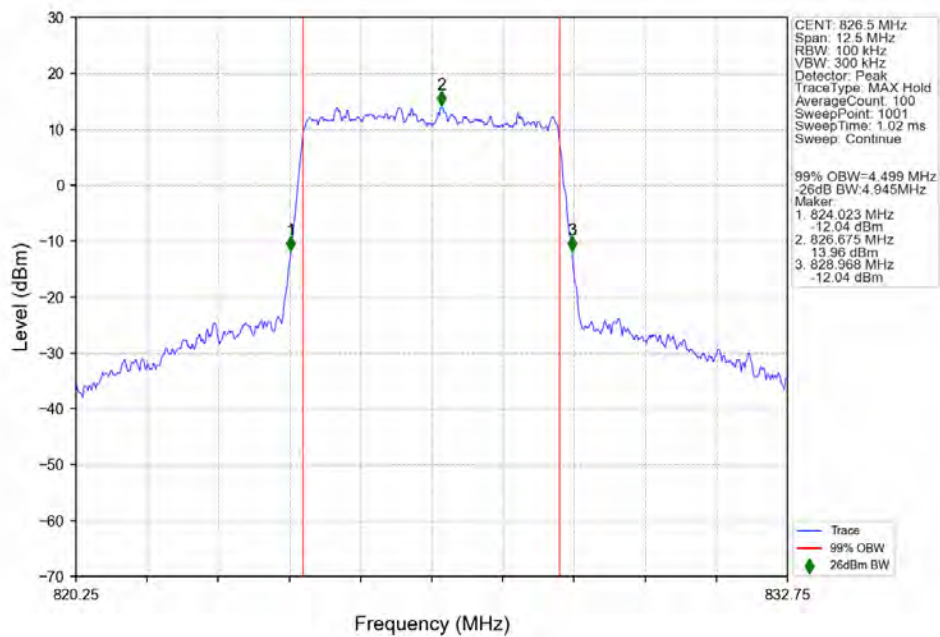
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_836.5MHz_Outer_Full_Ant1



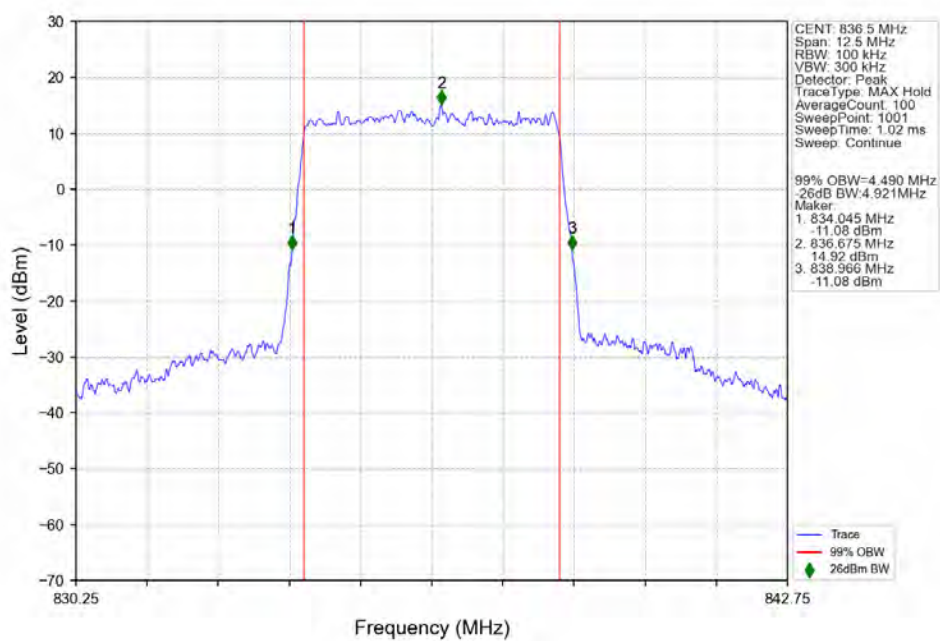
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_846.5MHz_Outer_Full_Ant1



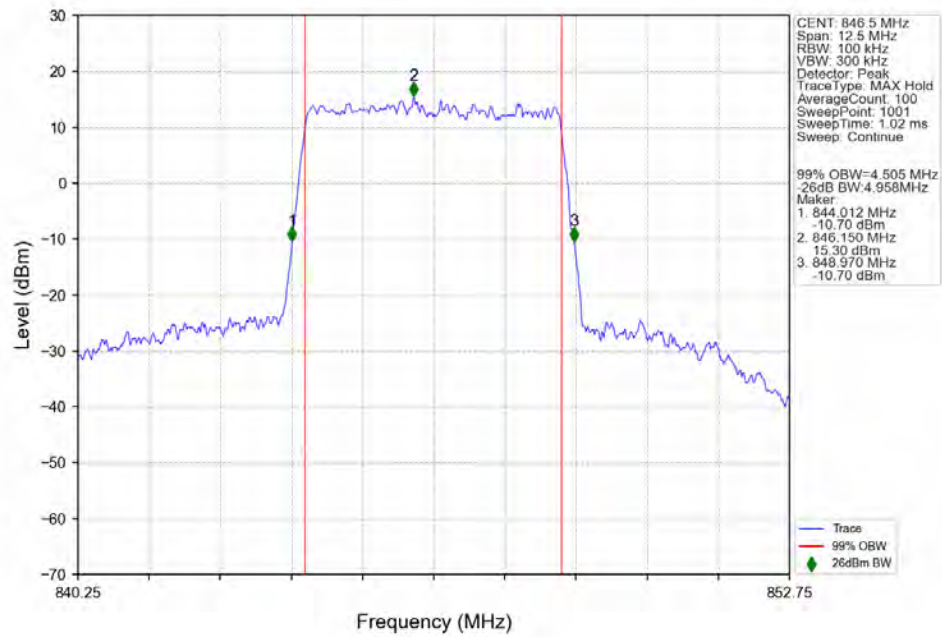
n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 826.5MHz Outer Full Ant1



n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant1

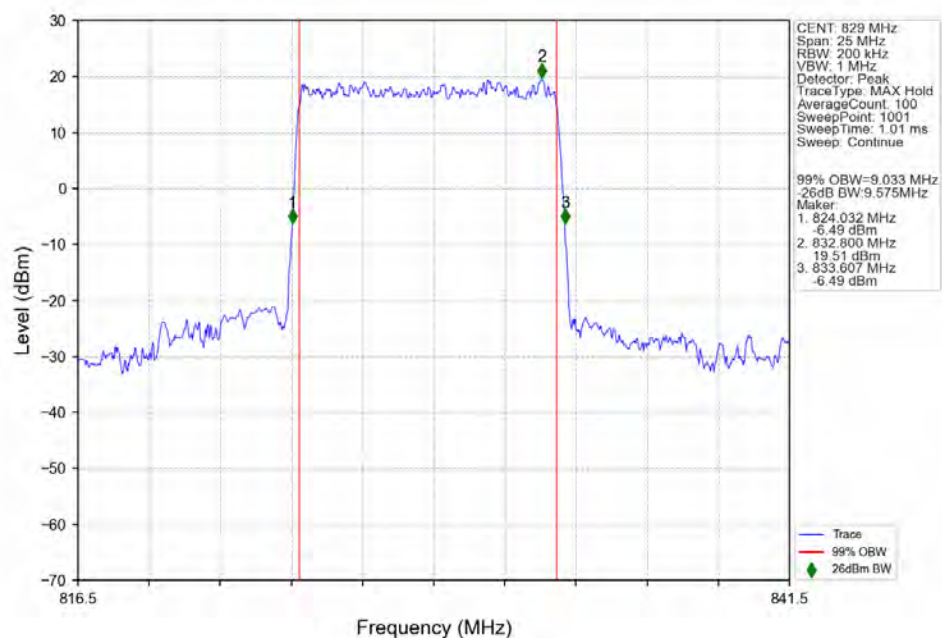


n5 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 846.5MHz Outer Full Ant1

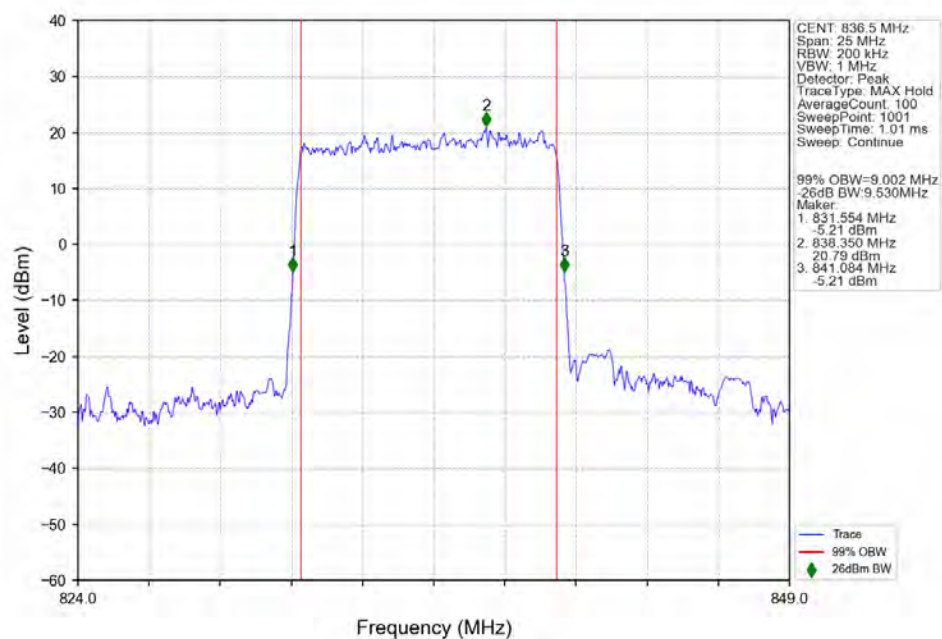


3.2.2 15k_SISO_10MHz_NTNV

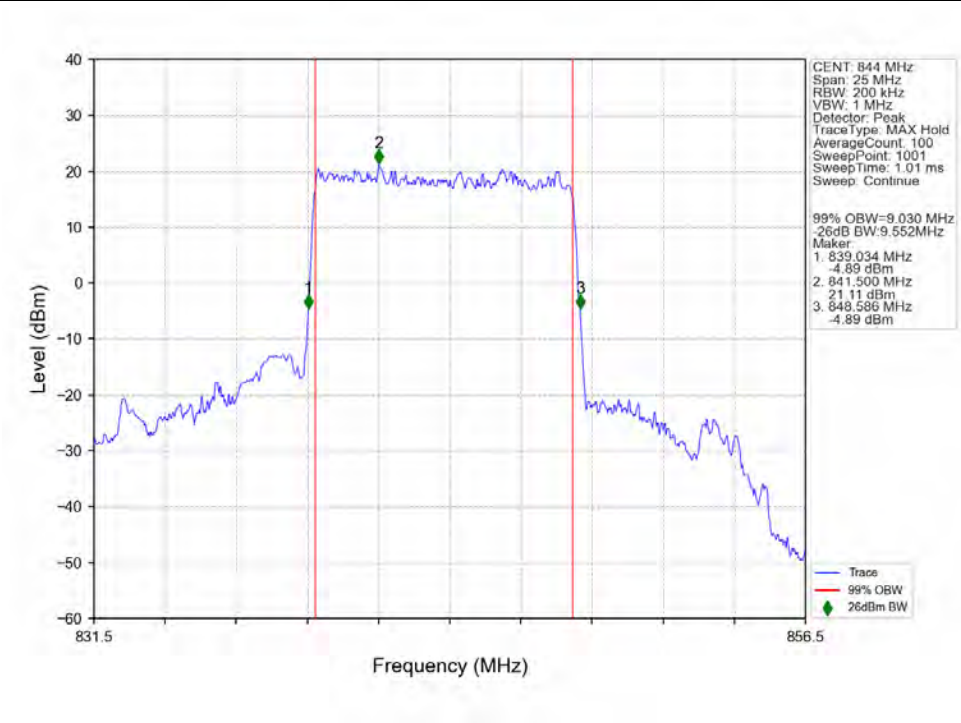
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_829MHz_Outer_Full_Ant1



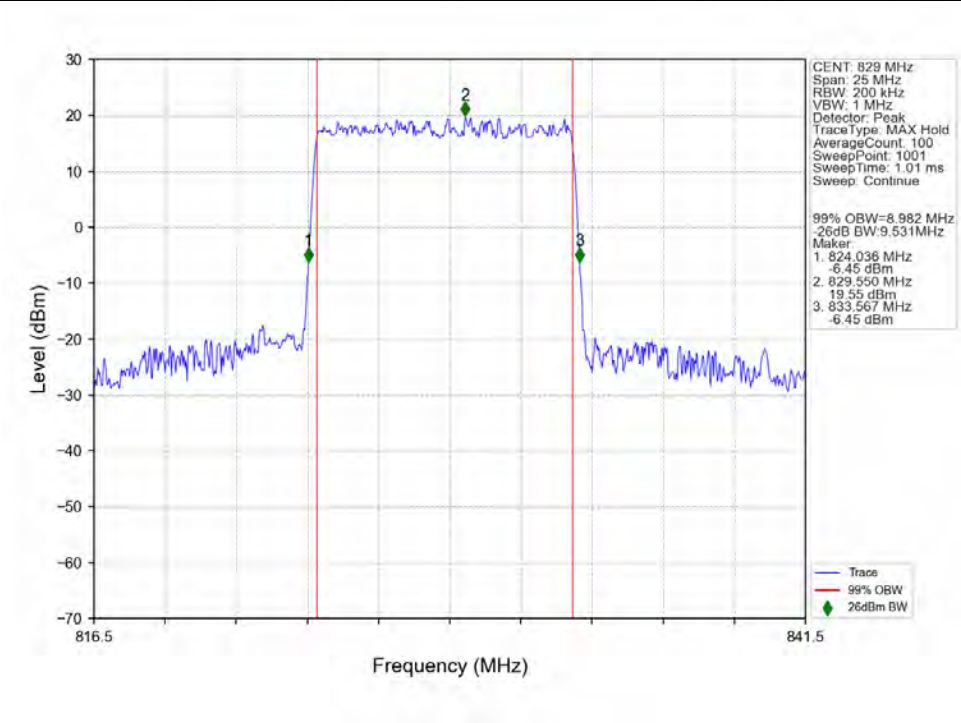
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full_Ant1



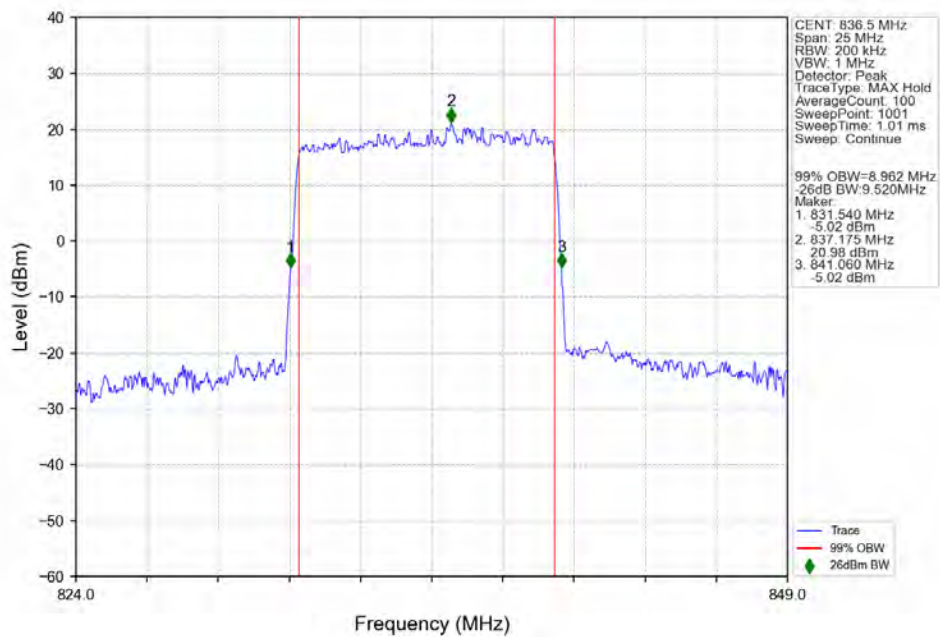
n5 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 844MHz Outer Full Ant1



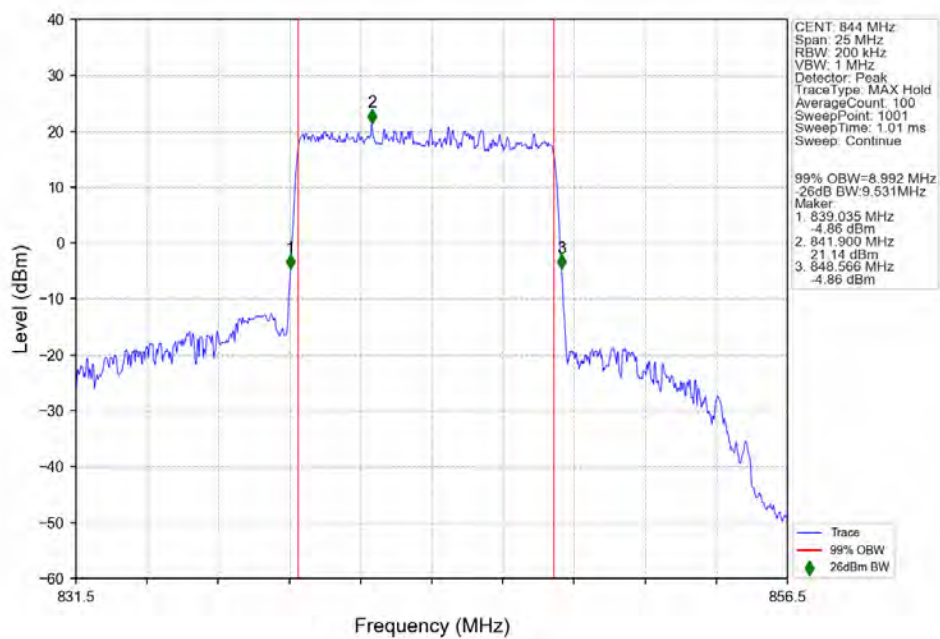
n5 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 829MHz Outer Full Ant1



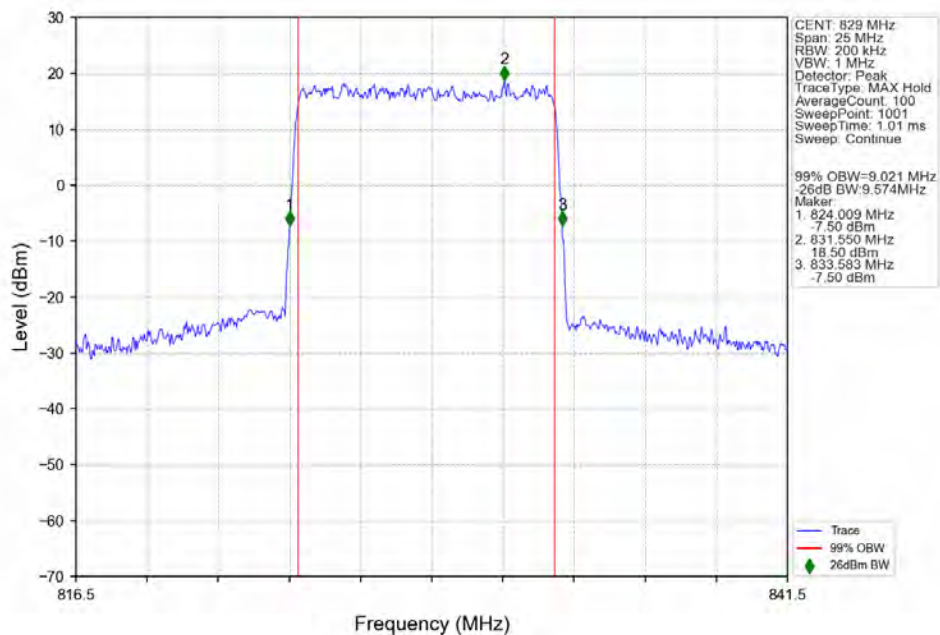
n5 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 836.5MHz Outer Full Ant1



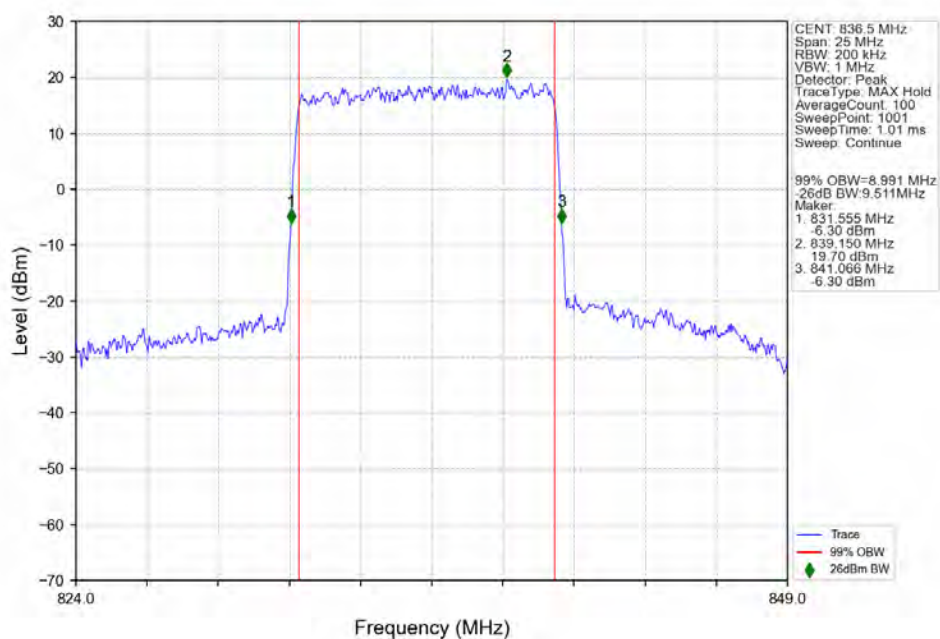
n5 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 844MHz Outer Full Ant1



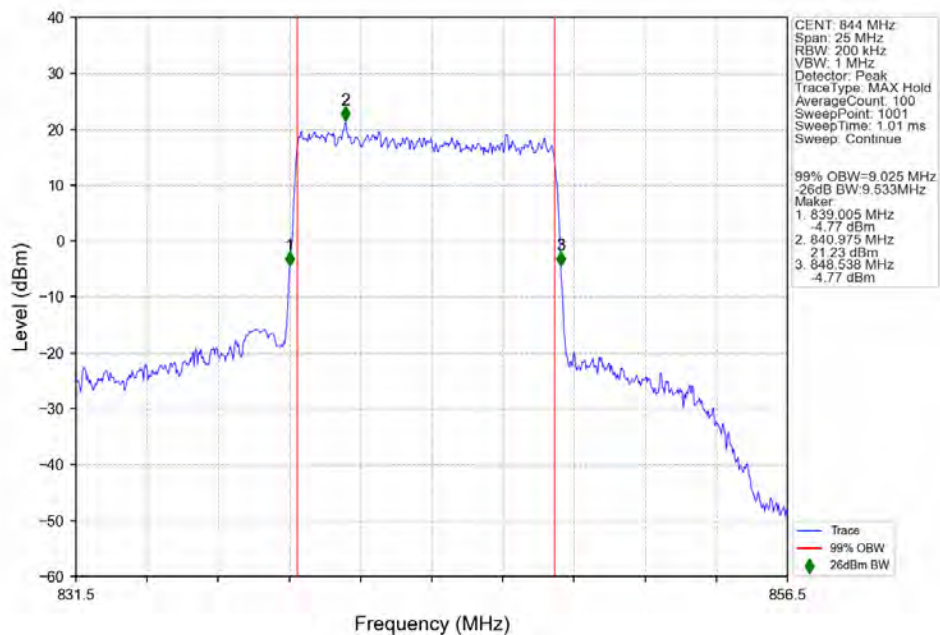
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 829MHz Outer Full Ant1



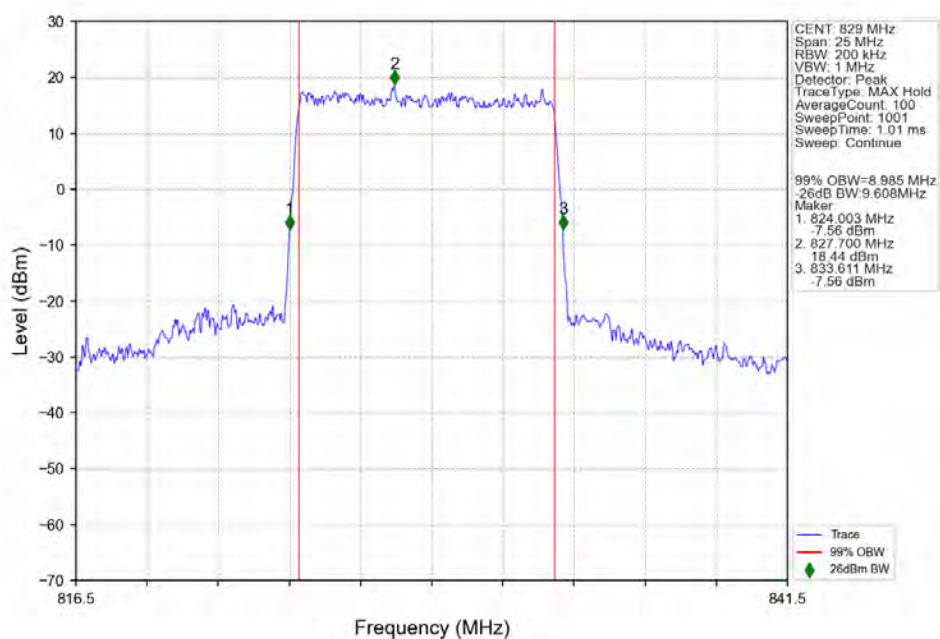
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



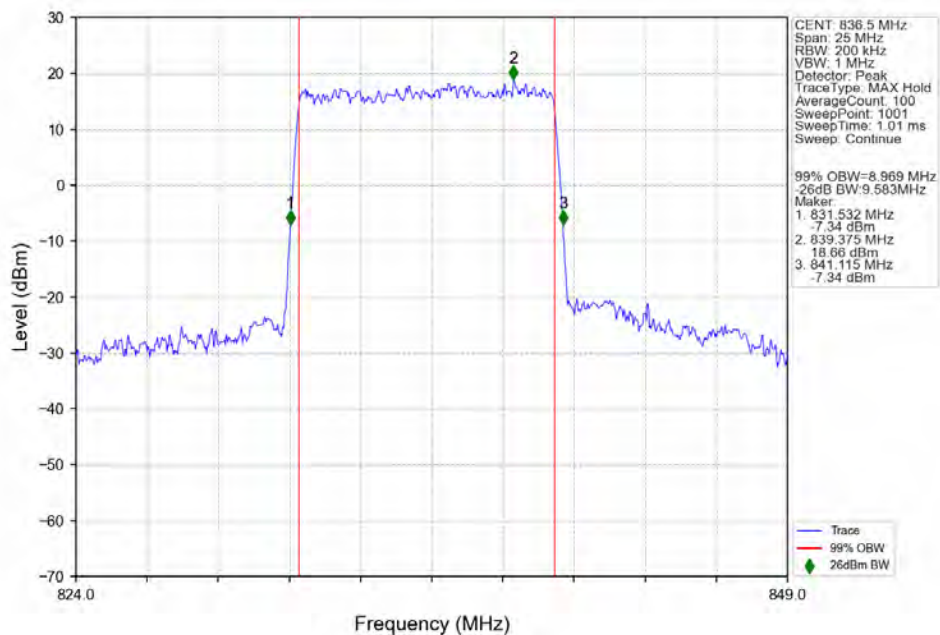
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_844MHz_Outer_Full_Ant1



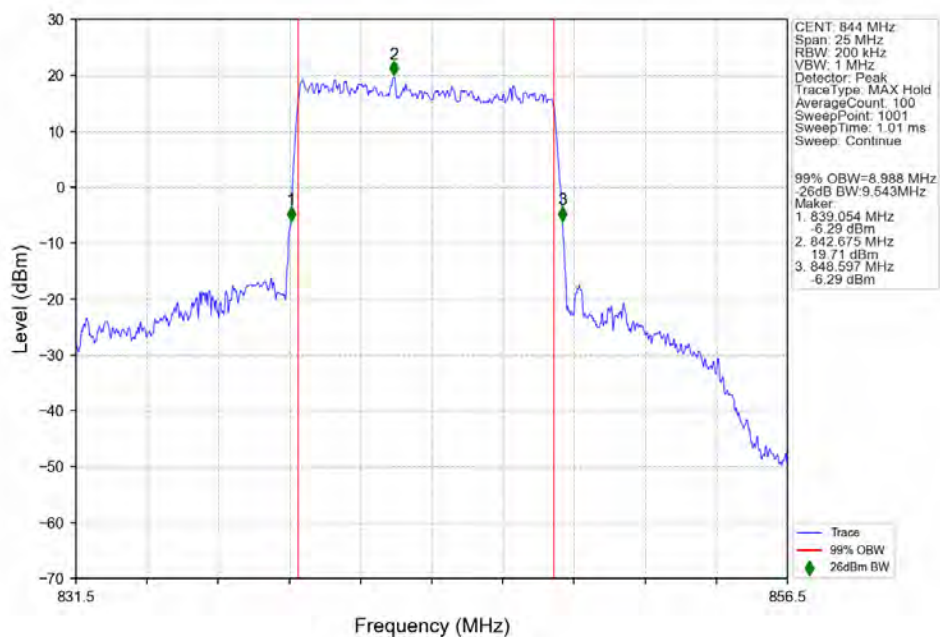
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_829MHz_Outer_Full_Ant1



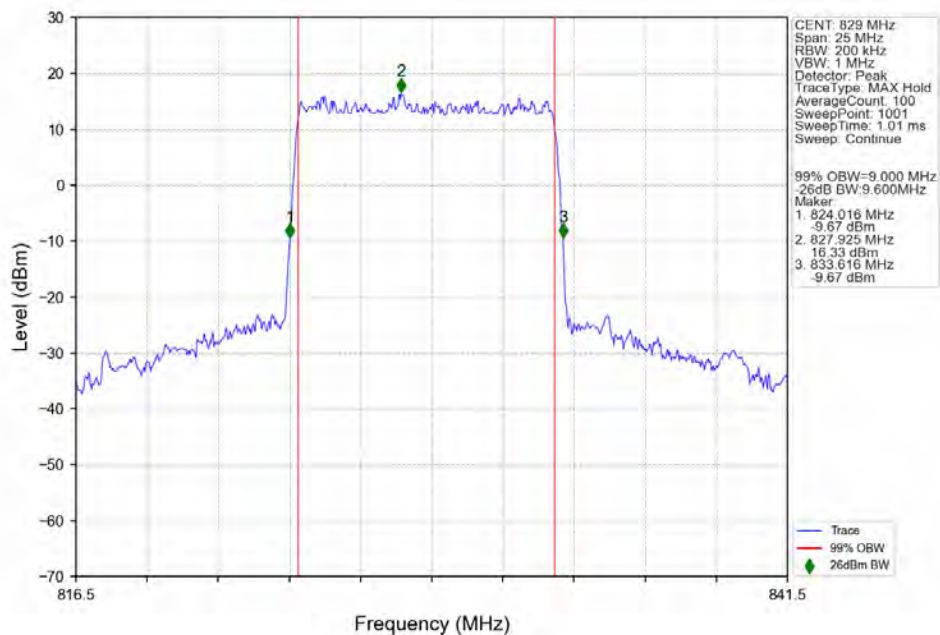
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



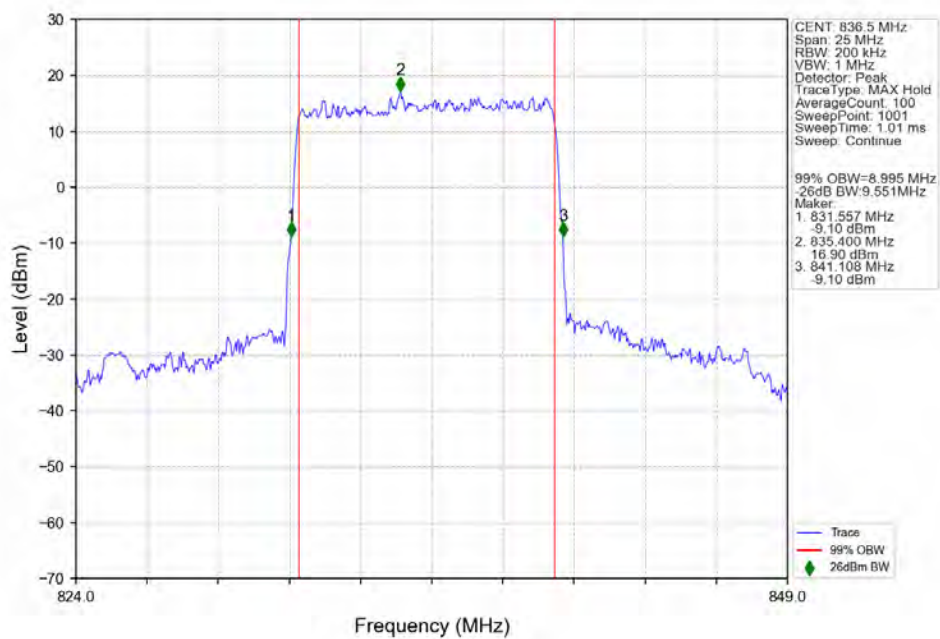
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 844MHz Outer Full Ant1



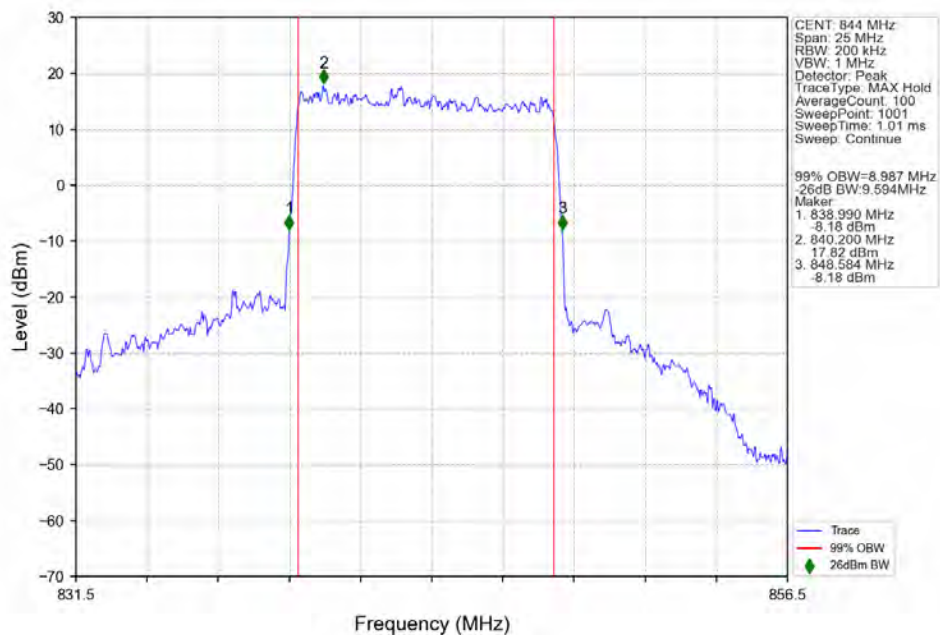
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 829MHz Outer Full Ant1



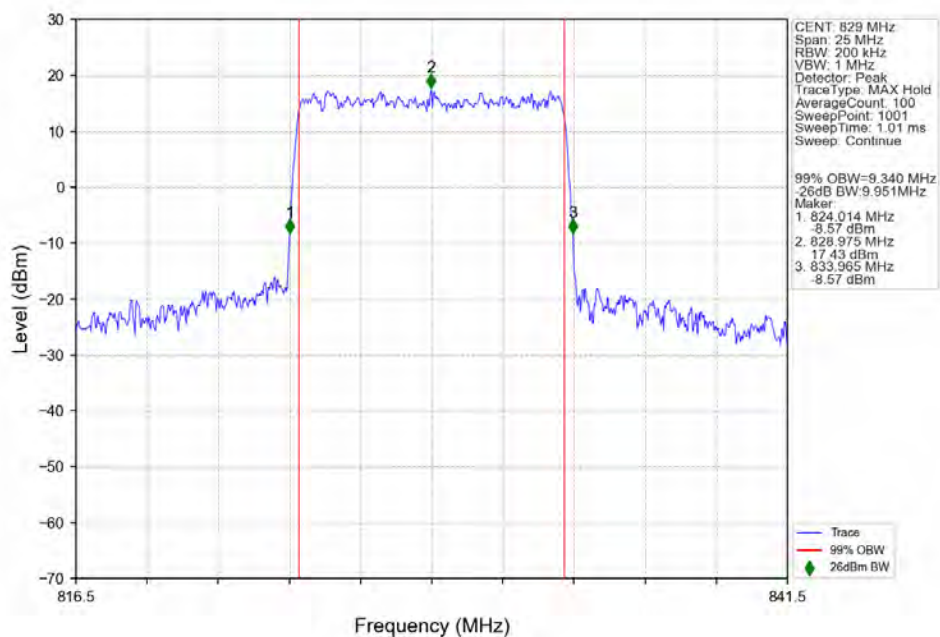
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



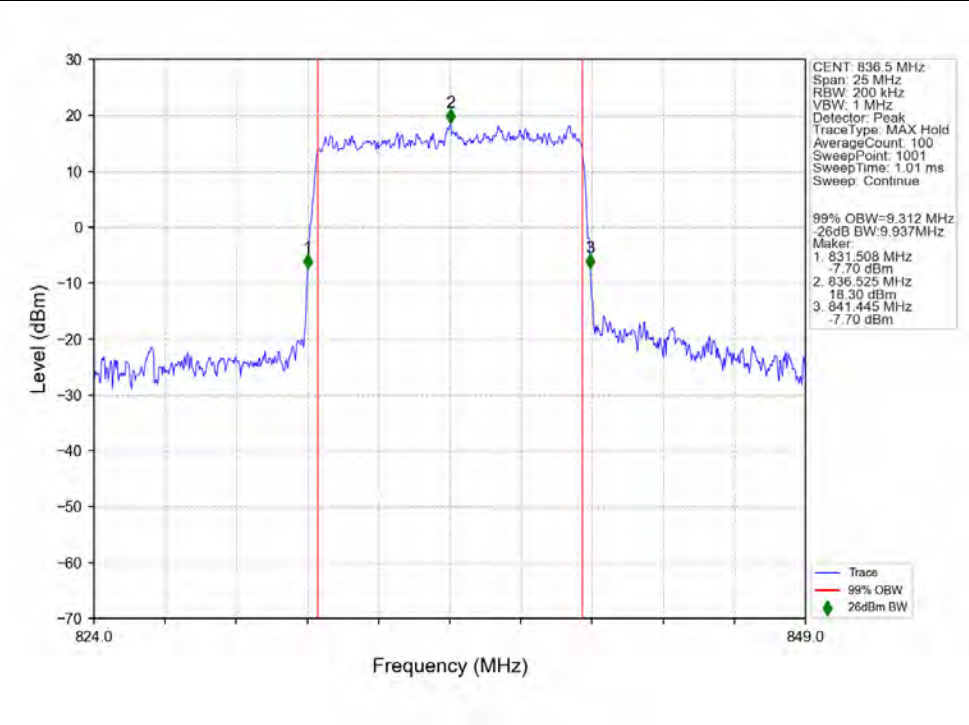
n5 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 844MHz Outer Full Ant1



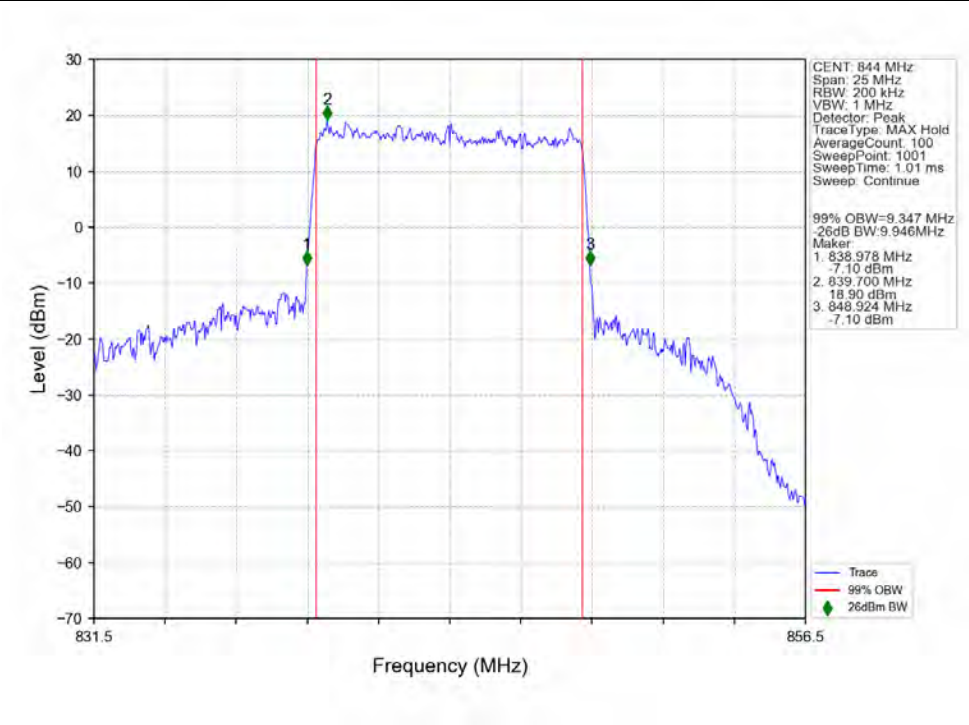
n5 15kHz SISO NTN 10MHz CP-OFDM QPSK 829MHz Outer Full Ant1



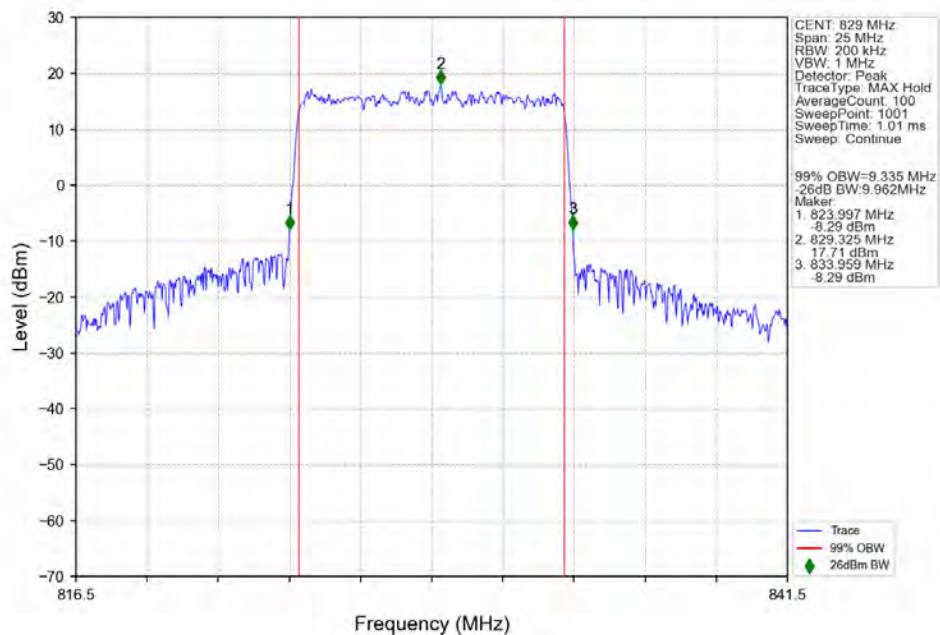
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_836.5MHz_Outer_Full_Ant1



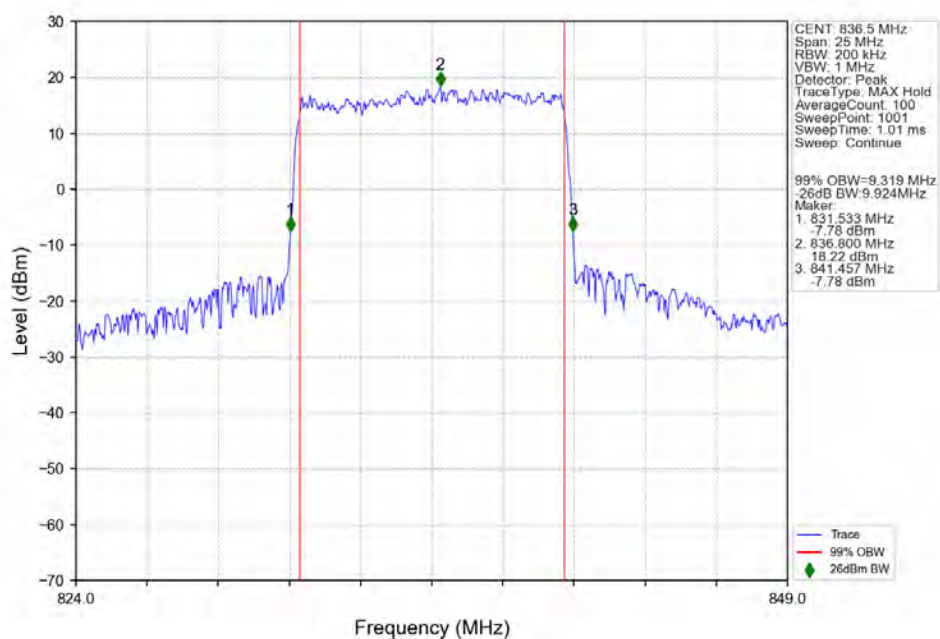
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_844MHz_Outer_Full_Ant1



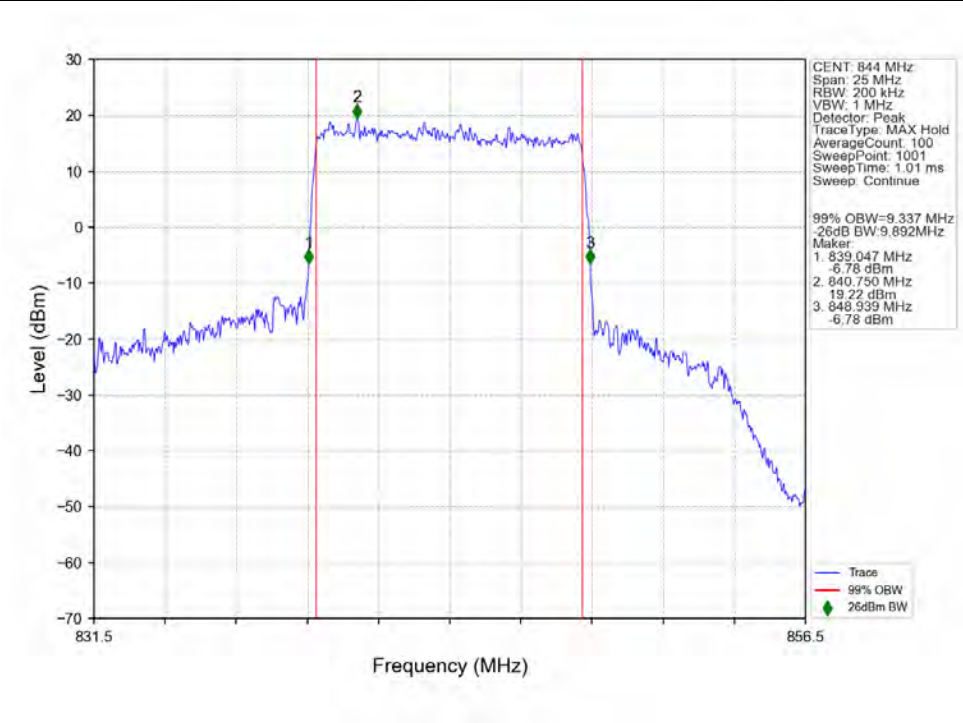
n5 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 829MHz Outer Full Ant1



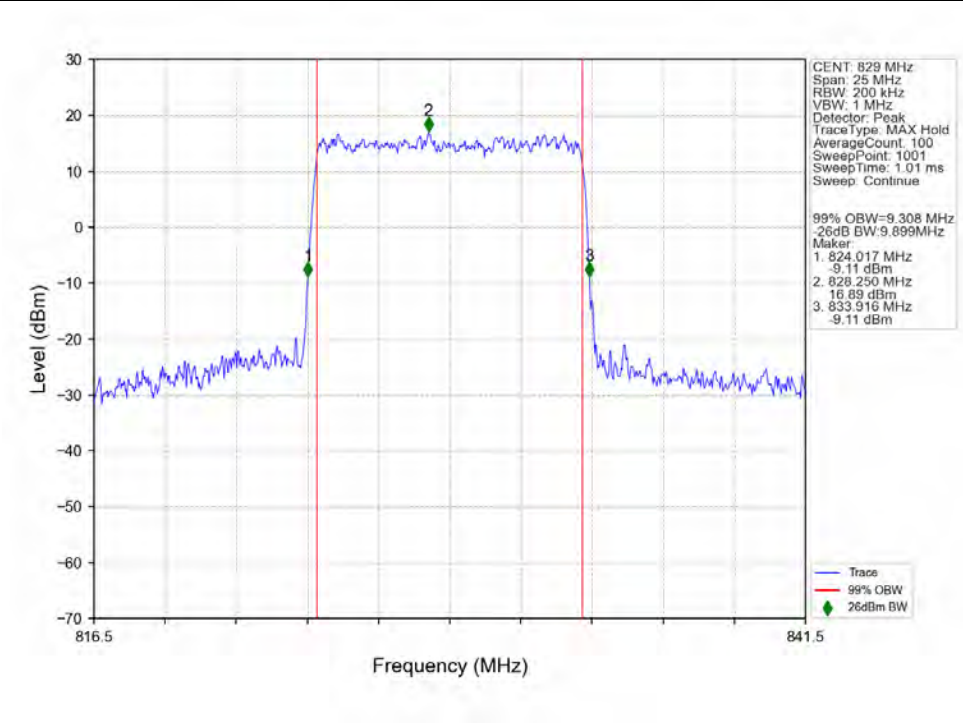
n5 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant1



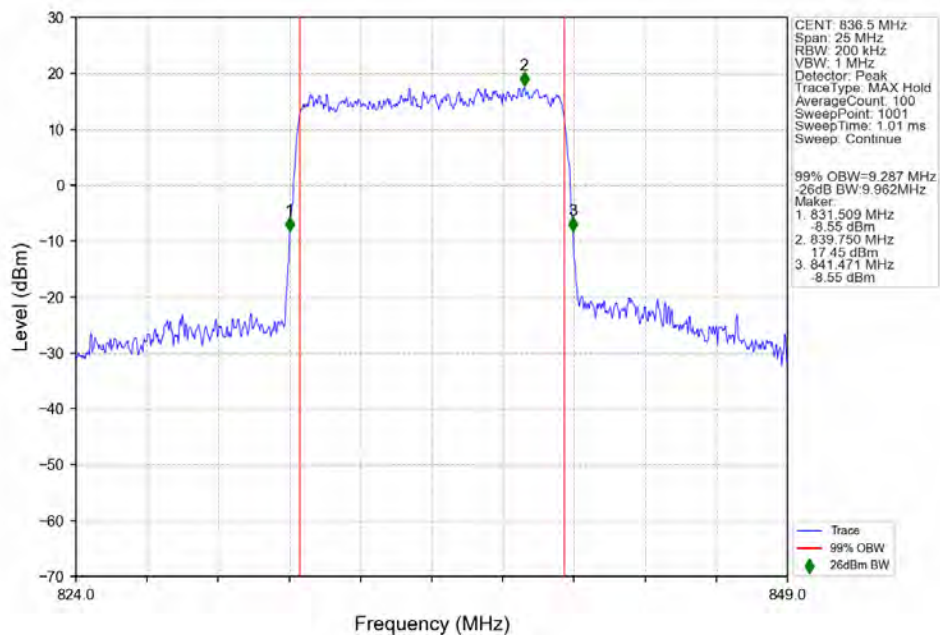
n5 15kHz SISO NTNV 10MHz CP-OFDM 16 QAM 844MHz Outer Full Ant1



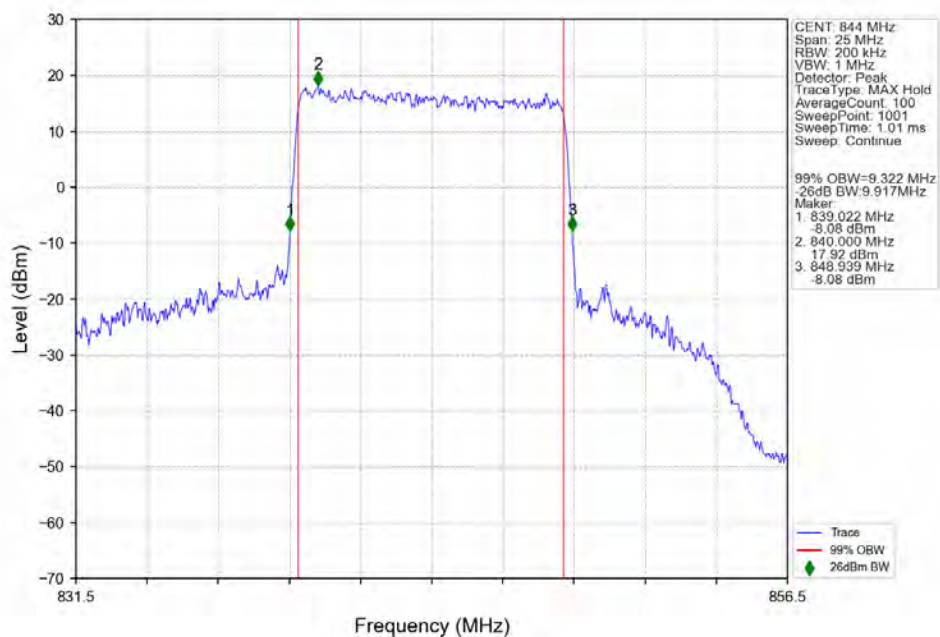
n5 15kHz SISO NTNV 10MHz CP-OFDM 64 QAM 829MHz Outer Full Ant1



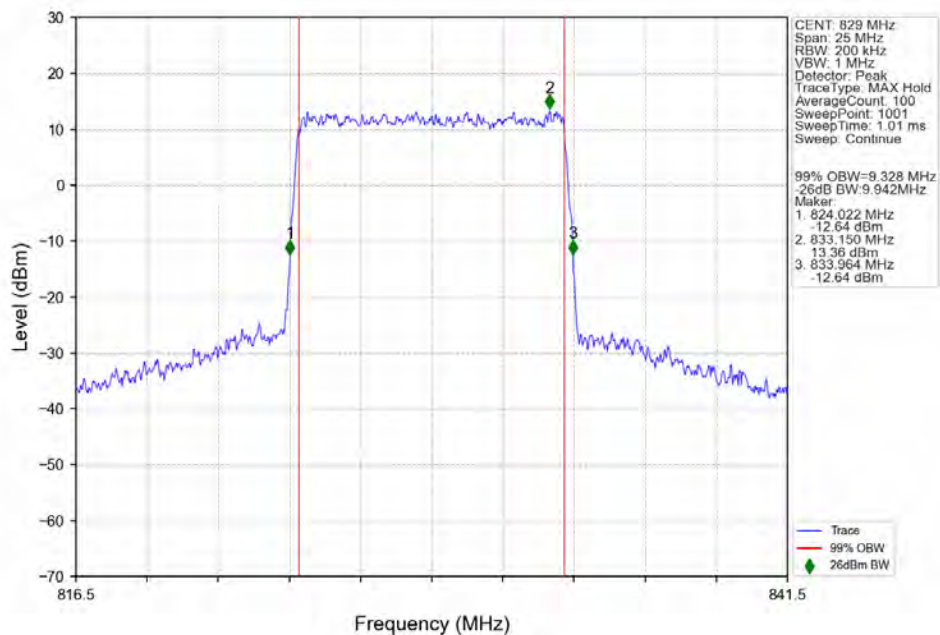
n5 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant1



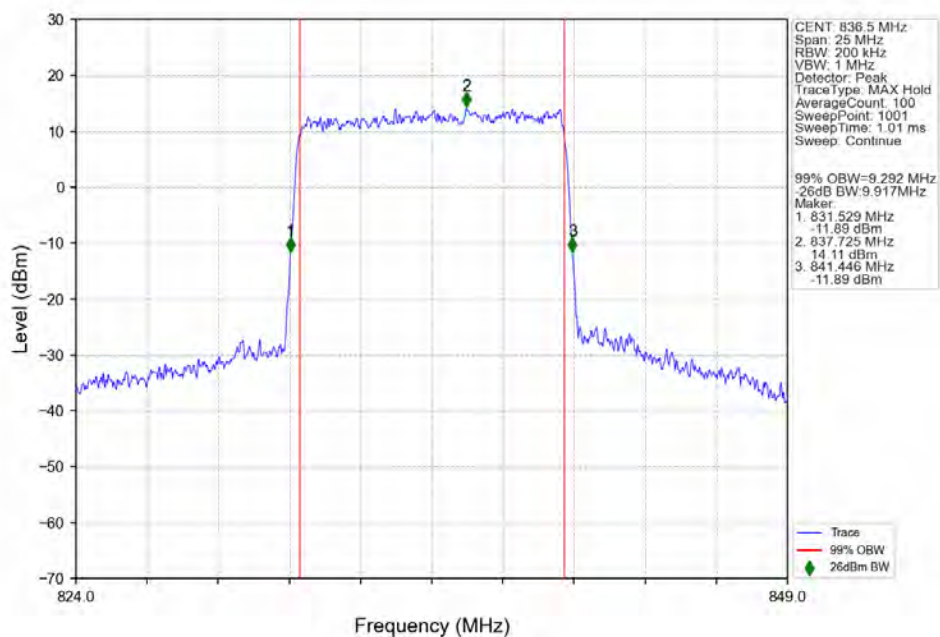
n5 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 844MHz Outer Full Ant1

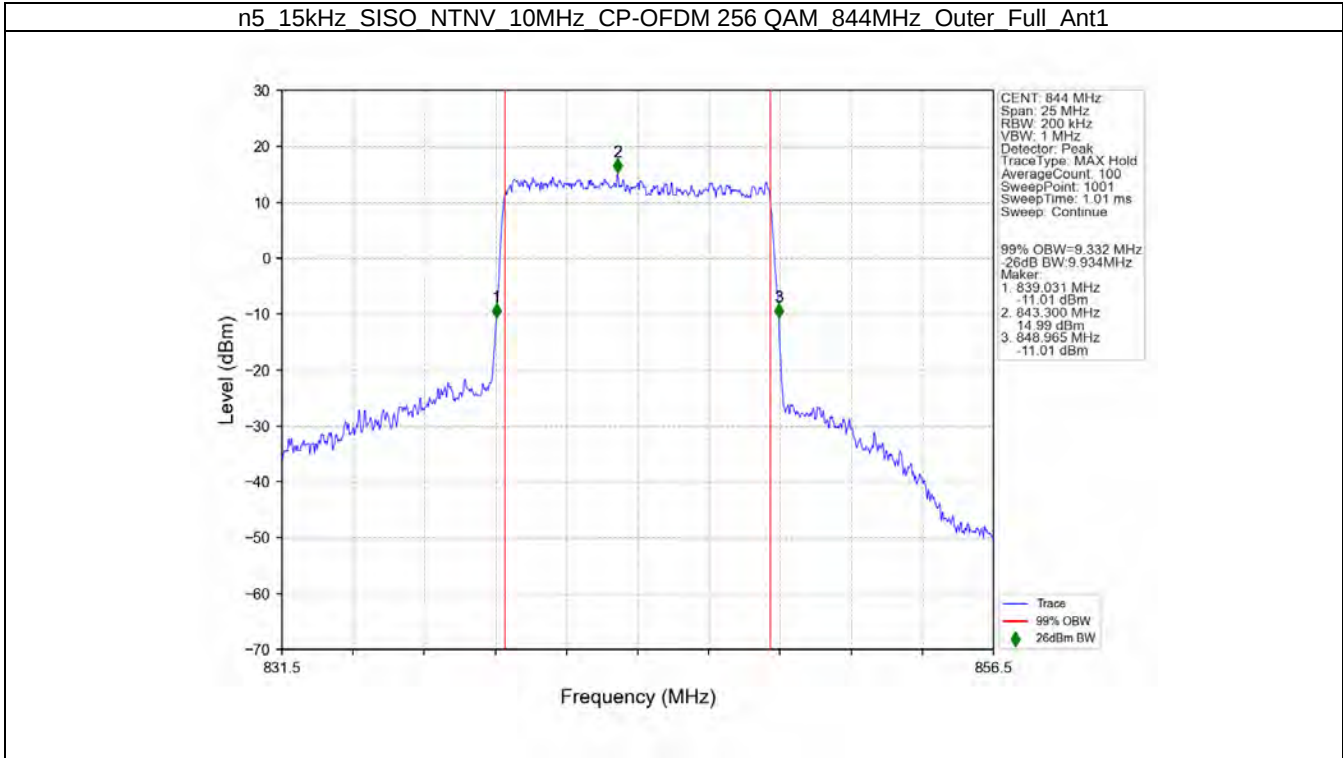


n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_829MHz_Outer_Full_Ant1



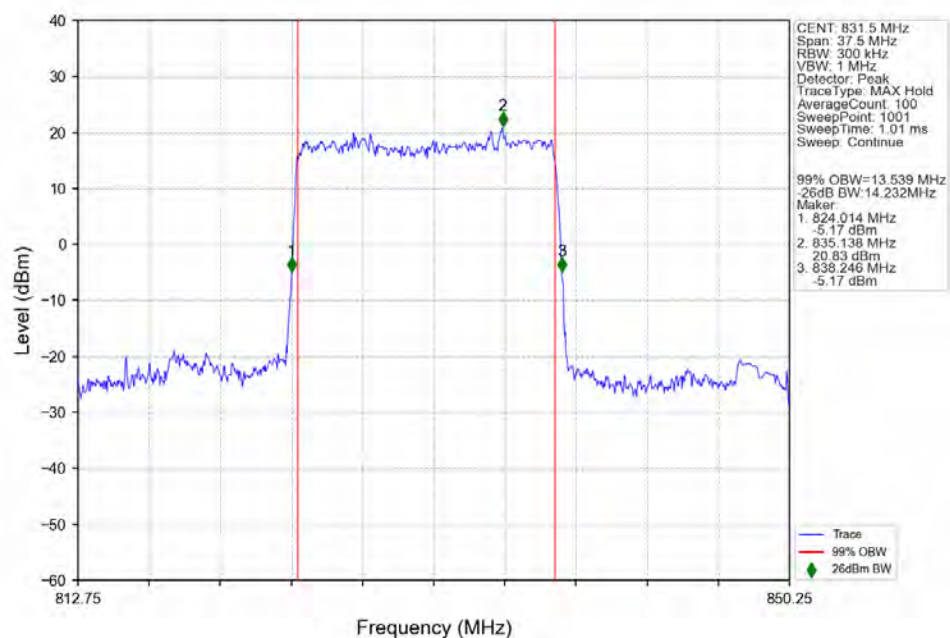
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_836.5MHz_Outer_Full_Ant1



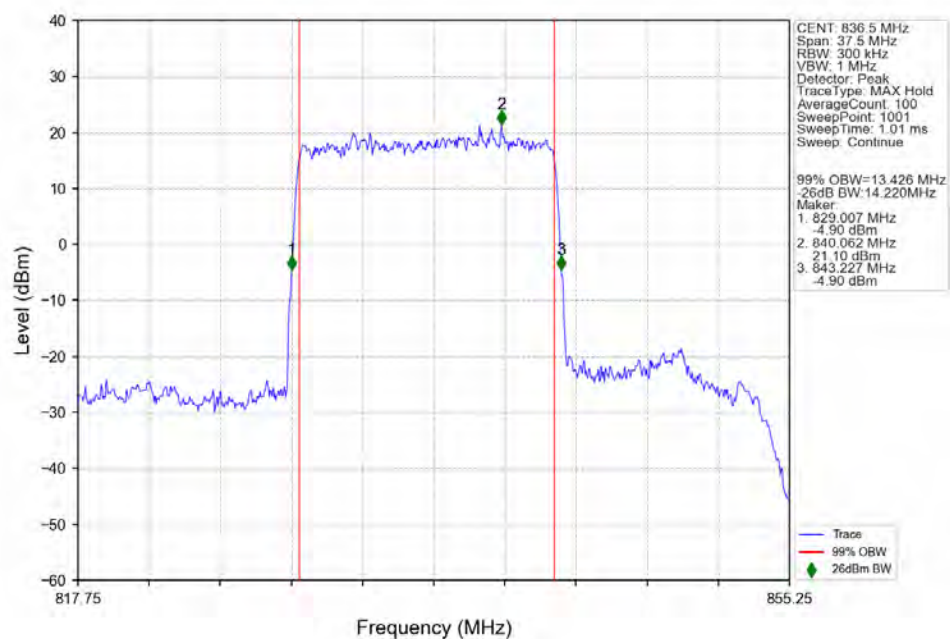


3.2.3 15k_SISO_15MHz_NTNV

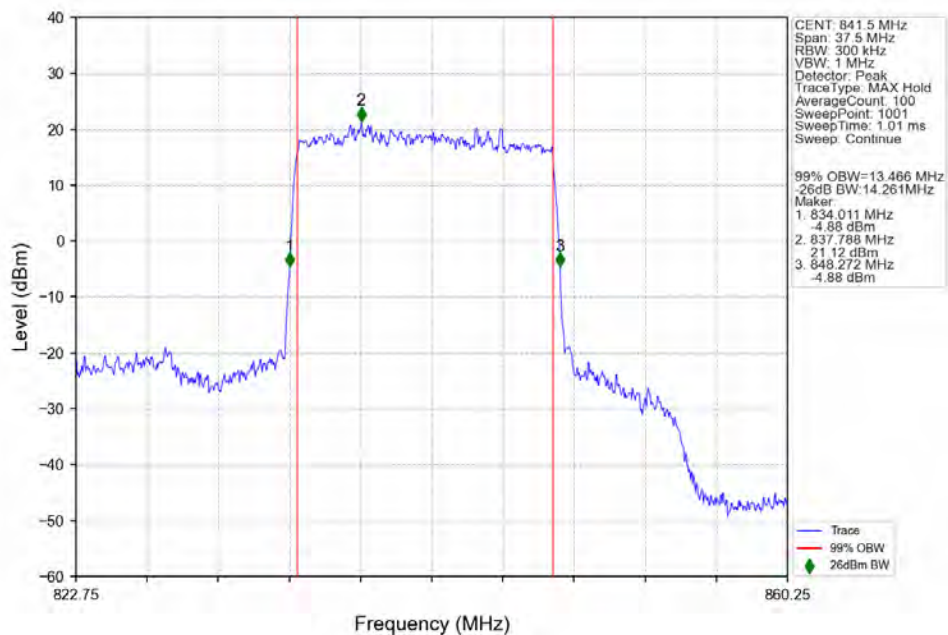
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_831.5MHz_Outer_Full_Ant1



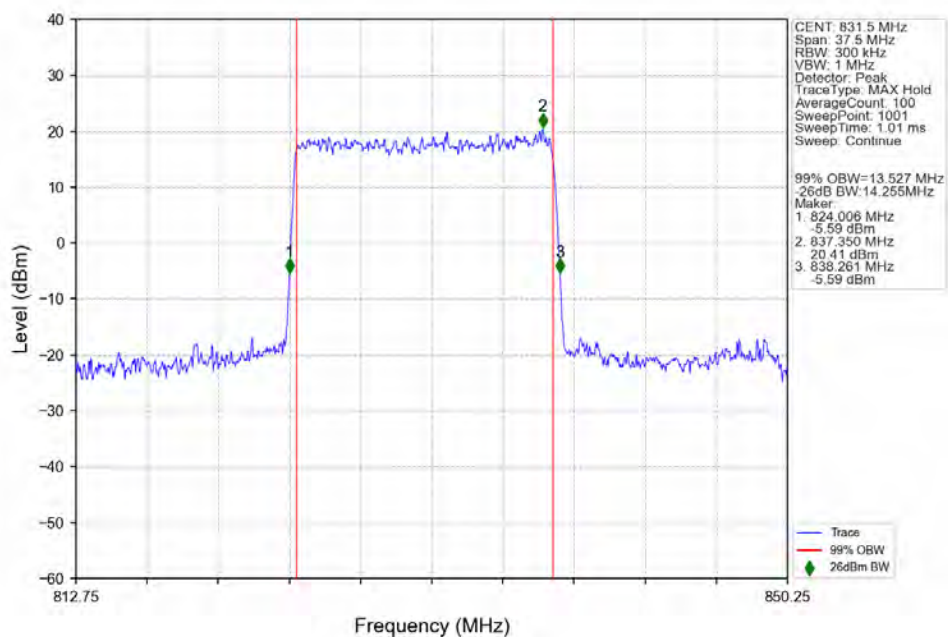
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full_Ant1



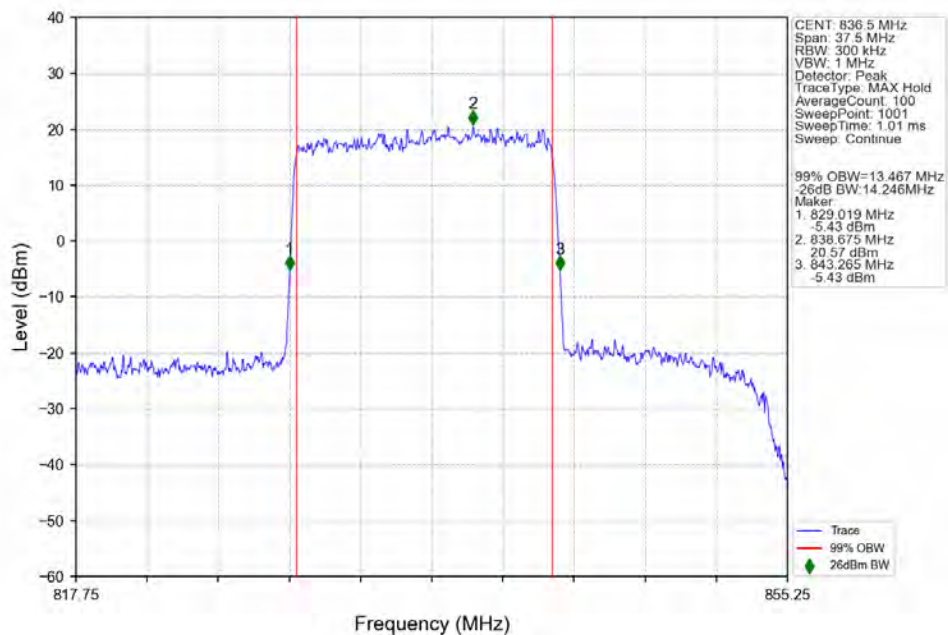
n5 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full Ant1



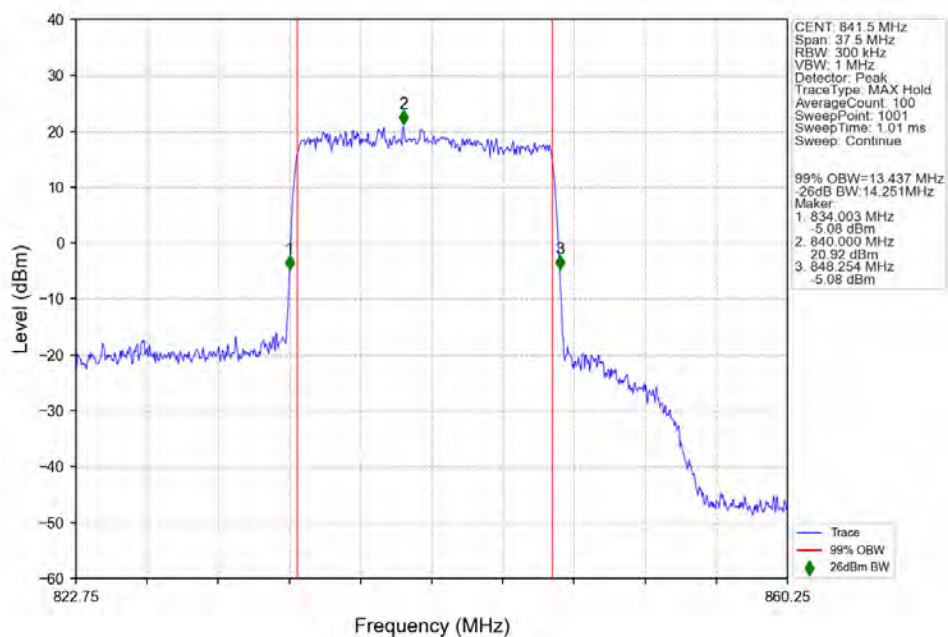
n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Outer Full Ant1



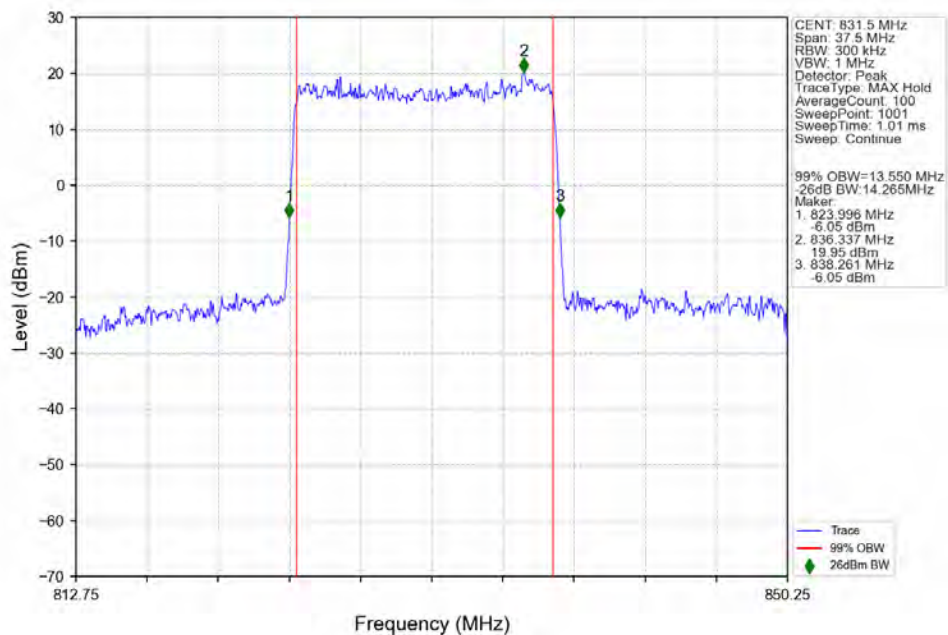
n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 836.5MHz Outer Full Ant1



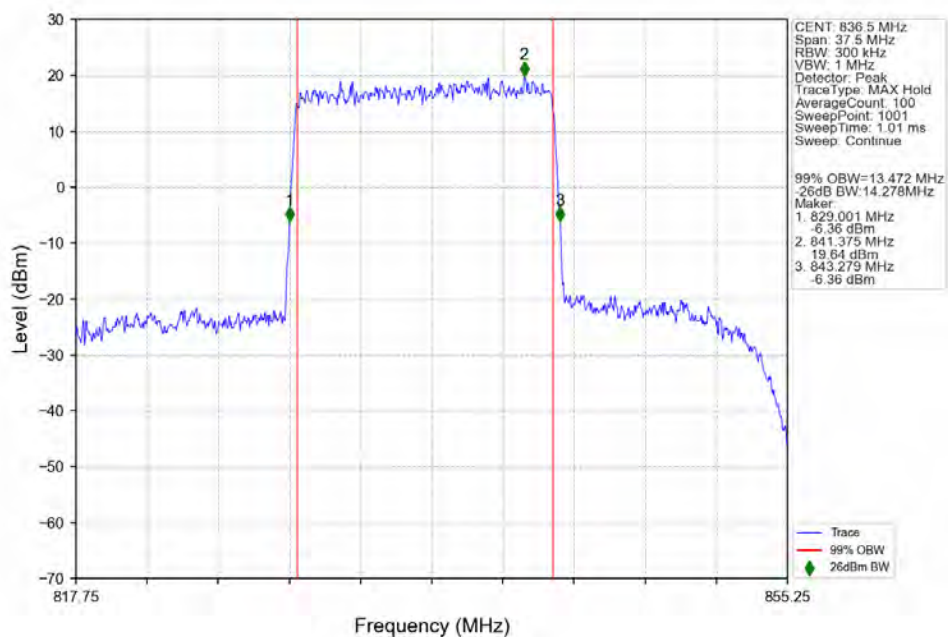
n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full Ant1



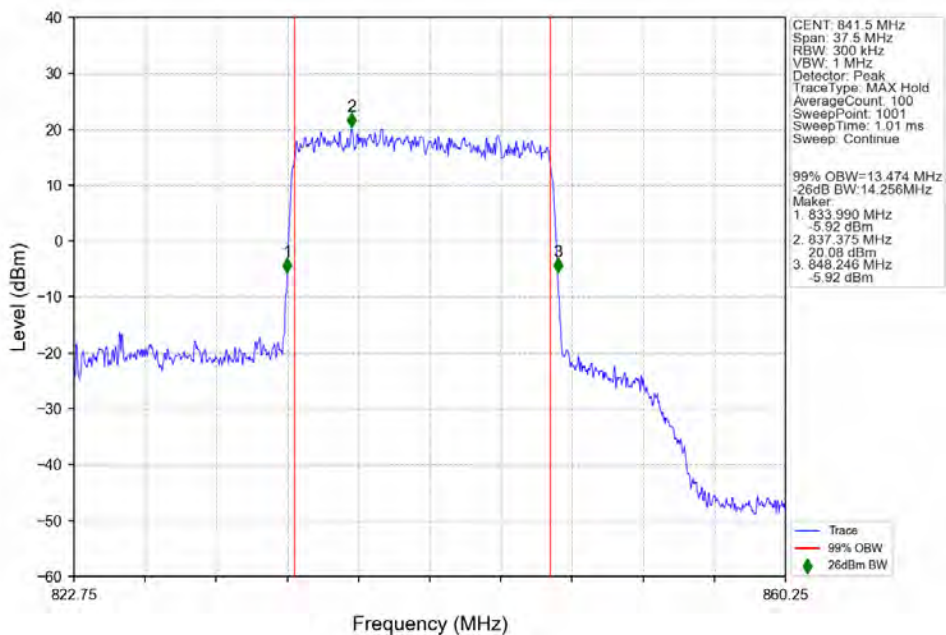
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full Ant1



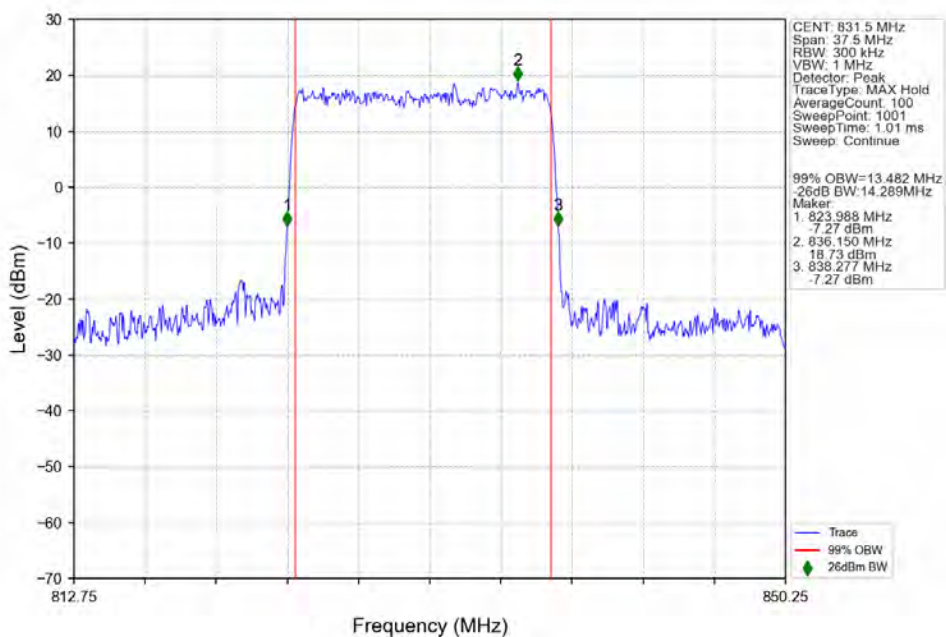
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant1



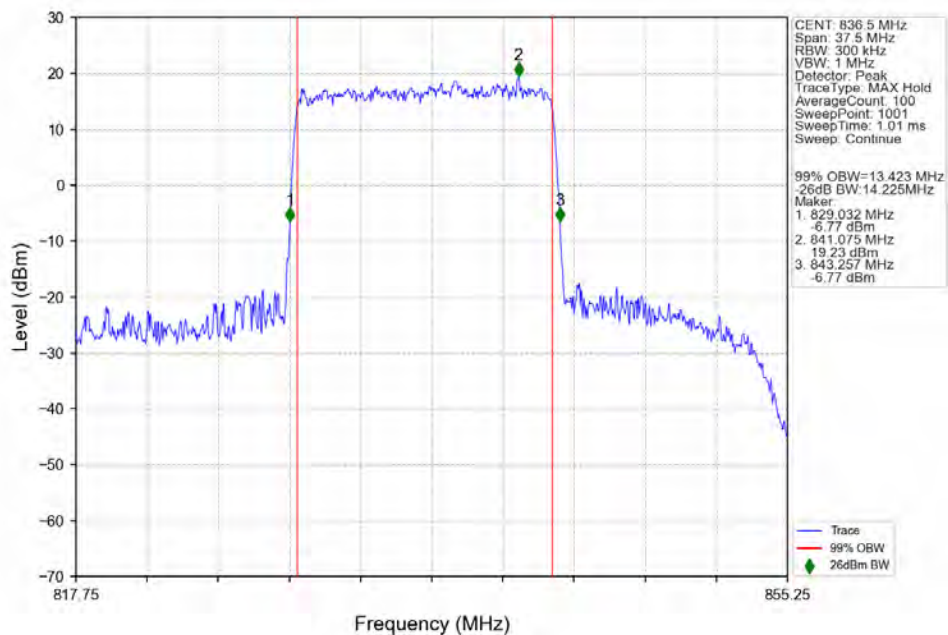
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full Ant1



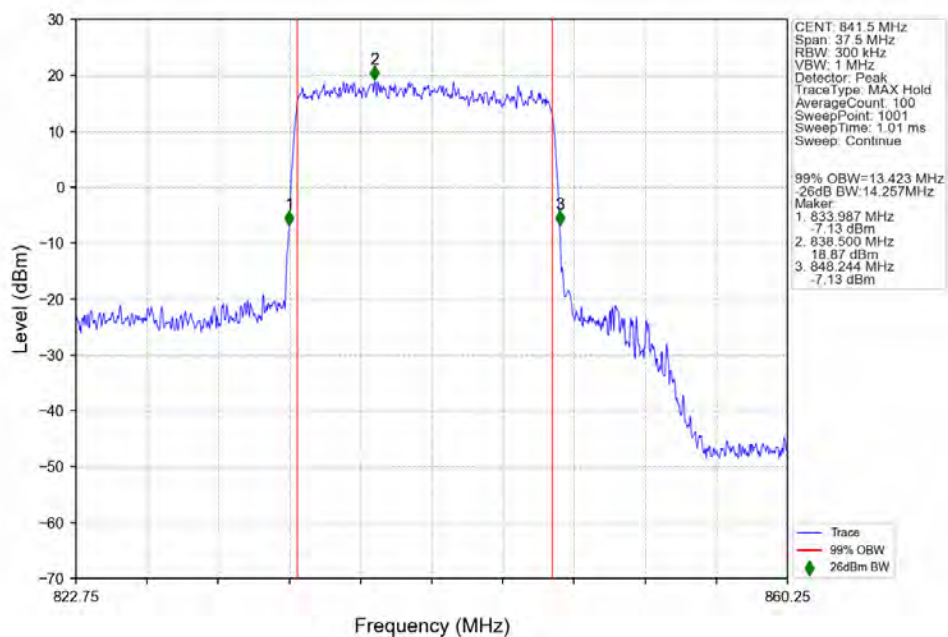
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full Ant1



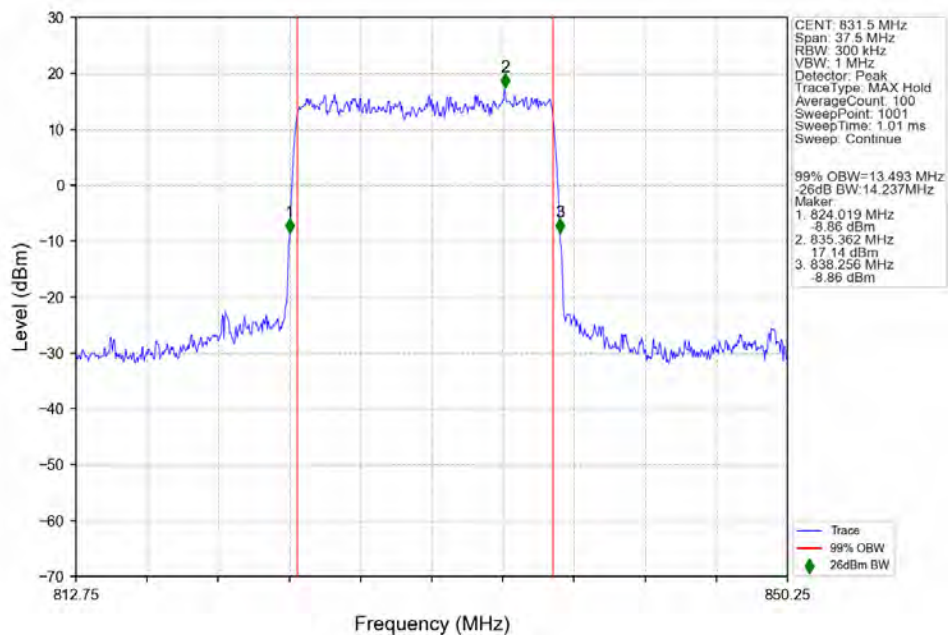
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant1



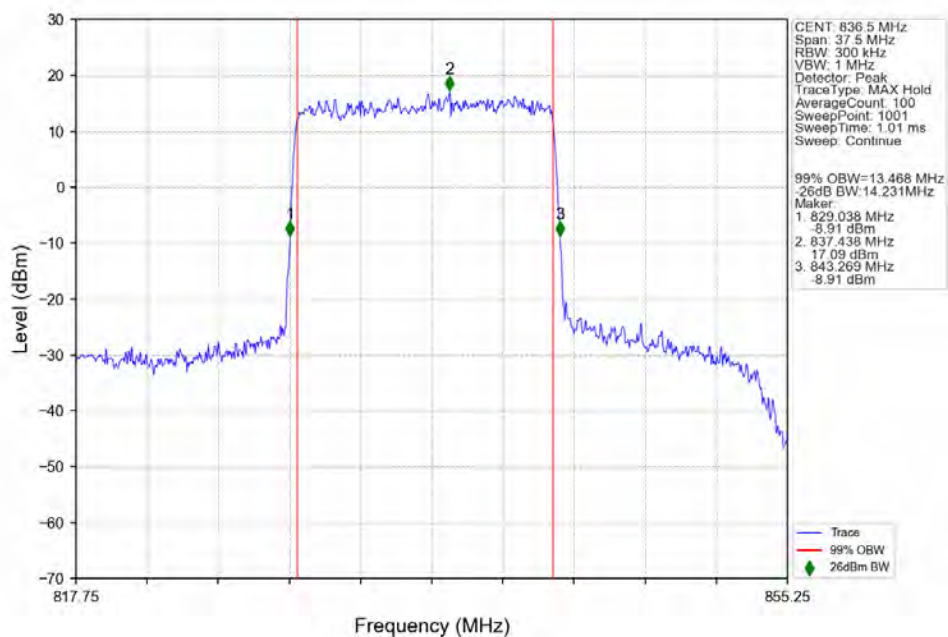
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full Ant1



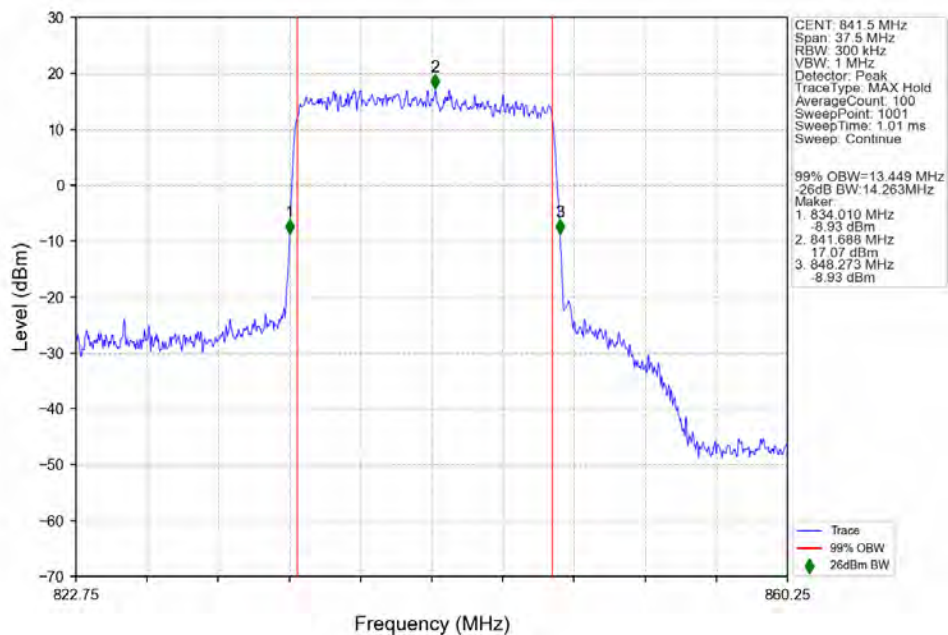
n5 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 831.5MHz Outer Full Ant1



n5 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant1



n5 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full Ant1



n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full Ant1

