



Appendix A.28

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15_S_5M_NTNV_ERP

5G NR n12 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	701.5	Edge_1RB_Left	22.90	/	/	20.75	/	/	<=34.77	Pass
		Edge_1RB_Right	22.91	/	/	20.76	/	/	<=34.77	Pass
		Outer_Full	22.95	/	/	20.80	/	/	<=34.77	Pass
		Inner_Full	23.54	/	/	21.39	/	/	<=34.77	Pass
		Inner_1RB_Left	23.41	/	/	21.26	/	/	<=34.77	Pass
		Inner_1RB_Right	23.43	/	/	21.28	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.94	/	/	20.79	/	/	<=34.77	Pass
		Edge_1RB_Right	22.91	/	/	20.76	/	/	<=34.77	Pass
		Outer_Full	23.14	/	/	20.99	/	/	<=34.77	Pass
		Inner_Full	23.55	/	/	21.40	/	/	<=34.77	Pass
		Inner_1RB_Left	23.47	/	/	21.32	/	/	<=34.77	Pass
		Inner_1RB_Right	23.46	/	/	21.31	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	22.57	/	/	20.42	/	/	<=34.77	Pass
		Edge_1RB_Right	22.24	/	/	20.09	/	/	<=34.77	Pass
		Outer_Full	22.59	/	/	20.44	/	/	<=34.77	Pass
		Inner_Full	22.84	/	/	20.69	/	/	<=34.77	Pass
		Inner_1RB_Left	22.94	/	/	20.79	/	/	<=34.77	Pass
		Inner_1RB_Right	22.81	/	/	20.66	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	701.5	Edge_1RB_Left	22.48	/	/	20.33	/	/	<=34.77	Pass
		Edge_1RB_Right	22.49	/	/	20.34	/	/	<=34.77	Pass
		Outer_Full	20.95	/	/	18.80	/	/	<=34.77	Pass
		Inner_Full	23.48	/	/	21.33	/	/	<=34.77	Pass
		Inner_1RB_Left	23.67	/	/	21.52	/	/	<=34.77	Pass
		Inner_1RB_Right	23.58	/	/	21.43	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	22.47	/	/	20.32	/	/	<=34.77	Pass
		Edge_1RB_Right	22.47	/	/	20.32	/	/	<=34.77	Pass
		Outer_Full	20.96	/	/	18.81	/	/	<=34.77	Pass
		Inner_Full	23.53	/	/	21.38	/	/	<=34.77	Pass
		Inner_1RB_Left	23.57	/	/	21.42	/	/	<=34.77	Pass
		Inner_1RB_Right	23.53	/	/	21.38	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	21.89	/	/	19.74	/	/	<=34.77	Pass
		Edge_1RB_Right	21.59	/	/	19.44	/	/	<=34.77	Pass
		Outer_Full	20.22	/	/	18.07	/	/	<=34.77	Pass
		Inner_Full	23.09	/	/	20.94	/	/	<=34.77	Pass
		Inner_1RB_Left	22.99	/	/	20.84	/	/	<=34.77	Pass
		Inner_1RB_Right	23.16	/	/	21.01	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	701.5	Edge_1RB_Left	21.37	/	/	19.22	/	/	<=34.77	Pass
		Edge_1RB_Right	21.55	/	/	19.40	/	/	<=34.77	Pass
		Outer_Full	19.87	/	/	17.72	/	/	<=34.77	Pass
		Inner_Full	22.31	/	/	20.16	/	/	<=34.77	Pass

		Inner_1RB_Left	22.36	/	/	20.21	/	/	<=34.77	Pass
		Inner_1RB_Right	22.40	/	/	20.25	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.64	/	/	19.49	/	/	<=34.77	Pass
		Edge_1RB_Right	21.55	/	/	19.40	/	/	<=34.77	Pass
		Outer_Full	19.99	/	/	17.84	/	/	<=34.77	Pass
		Inner_Full	22.36	/	/	20.21	/	/	<=34.77	Pass
		Inner_1RB_Left	22.64	/	/	20.49	/	/	<=34.77	Pass
		Inner_1RB_Right	22.57	/	/	20.42	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	21.05	/	/	18.90	/	/	<=34.77	Pass
		Edge_1RB_Right	20.95	/	/	18.80	/	/	<=34.77	Pass
		Outer_Full	19.52	/	/	17.37	/	/	<=34.77	Pass
		Inner_Full	21.95	/	/	19.80	/	/	<=34.77	Pass
		Inner_1RB_Left	22.14	/	/	19.99	/	/	<=34.77	Pass
		Inner_1RB_Right	22.17	/	/	20.02	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	701.5	Edge_1RB_Left	20.94	/	/	18.79	/	/	<=34.77	Pass
		Edge_1RB_Right	20.97	/	/	18.82	/	/	<=34.77	Pass
		Outer_Full	19.37	/	/	17.22	/	/	<=34.77	Pass
		Inner_Full	20.58	/	/	18.43	/	/	<=34.77	Pass
		Inner_1RB_Left	20.81	/	/	18.66	/	/	<=34.77	Pass
		Inner_1RB_Right	20.73	/	/	18.58	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	21.12	/	/	18.97	/	/	<=34.77	Pass
		Edge_1RB_Right	21.17	/	/	19.02	/	/	<=34.77	Pass
		Outer_Full	19.68	/	/	17.53	/	/	<=34.77	Pass
		Inner_Full	21.11	/	/	18.96	/	/	<=34.77	Pass
		Inner_1RB_Left	21.16	/	/	19.01	/	/	<=34.77	Pass
		Inner_1RB_Right	21.13	/	/	18.98	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	20.74	/	/	18.59	/	/	<=34.77	Pass
		Edge_1RB_Right	20.73	/	/	18.58	/	/	<=34.77	Pass
		Outer_Full	19.18	/	/	17.03	/	/	<=34.77	Pass
		Inner_Full	20.65	/	/	18.50	/	/	<=34.77	Pass
		Inner_1RB_Left	20.62	/	/	18.47	/	/	<=34.77	Pass
		Inner_1RB_Right	20.75	/	/	18.60	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	701.5	Edge_1RB_Left	17.65	/	/	15.50	/	/	<=34.77	Pass
		Edge_1RB_Right	18.31	/	/	16.16	/	/	<=34.77	Pass
		Outer_Full	15.91	/	/	13.76	/	/	<=34.77	Pass
		Inner_Full	18.67	/	/	16.52	/	/	<=34.77	Pass
		Inner_1RB_Left	18.29	/	/	16.14	/	/	<=34.77	Pass
		Inner_1RB_Right	18.29	/	/	16.14	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	18.76	/	/	16.61	/	/	<=34.77	Pass
		Edge_1RB_Right	18.71	/	/	16.56	/	/	<=34.77	Pass
		Outer_Full	16.44	/	/	14.29	/	/	<=34.77	Pass
		Inner_Full	18.84	/	/	16.69	/	/	<=34.77	Pass
		Inner_1RB_Left	18.82	/	/	16.67	/	/	<=34.77	Pass
		Inner_1RB_Right	18.76	/	/	16.61	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	18.38	/	/	16.23	/	/	<=34.77	Pass
		Edge_1RB_Right	18.29	/	/	16.14	/	/	<=34.77	Pass
		Outer_Full	15.98	/	/	13.83	/	/	<=34.77	Pass
		Inner_Full	18.55	/	/	16.40	/	/	<=34.77	Pass
		Inner_1RB_Left	18.31	/	/	16.16	/	/	<=34.77	Pass
		Inner_1RB_Right	18.27	/	/	16.12	/	/	<=34.77	Pass
CP-OFDM QPSK	701.5	Edge_1RB_Left	20.39	/	/	18.24	/	/	<=34.77	Pass
		Edge_1RB_Right	20.31	/	/	18.16	/	/	<=34.77	Pass
		Outer_Full	20.65	/	/	18.50	/	/	<=34.77	Pass

		Inner Full	21.71	/	/	19.56	/	/	<=34.77	Pass
		Inner 1RB Left	21.62	/	/	19.47	/	/	<=34.77	Pass
		Inner 1RB Right	21.79	/	/	19.64	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	20.61	/	/	18.46	/	/	<=34.77	Pass
		Edge 1RB Right	20.67	/	/	18.52	/	/	<=34.77	Pass
		Outer Full	21.01	/	/	18.86	/	/	<=34.77	Pass
		Inner Full	22.12	/	/	19.97	/	/	<=34.77	Pass
		Inner 1RB Left	22.12	/	/	19.97	/	/	<=34.77	Pass
		Inner 1RB Right	21.61	/	/	19.46	/	/	<=34.77	Pass
	713.5	Edge 1RB Left	20.21	/	/	18.06	/	/	<=34.77	Pass
		Edge 1RB Right	19.98	/	/	17.83	/	/	<=34.77	Pass
		Outer Full	20.66	/	/	18.51	/	/	<=34.77	Pass
		Inner Full	21.36	/	/	19.21	/	/	<=34.77	Pass
		Inner 1RB Left	21.02	/	/	18.87	/	/	<=34.77	Pass
		Inner 1RB Right	20.85	/	/	18.70	/	/	<=34.77	Pass
CP-OFDM 16 QAM	701.5	Edge 1RB Left	19.85	/	/	17.70	/	/	<=34.77	Pass
		Edge 1RB Right	20.18	/	/	18.03	/	/	<=34.77	Pass
		Outer Full	17.83	/	/	15.68	/	/	<=34.77	Pass
		Inner Full	21.03	/	/	18.88	/	/	<=34.77	Pass
		Inner 1RB Left	21.19	/	/	19.04	/	/	<=34.77	Pass
		Inner 1RB Right	21.20	/	/	19.05	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	20.66	/	/	18.51	/	/	<=34.77	Pass
		Edge 1RB Right	20.62	/	/	18.47	/	/	<=34.77	Pass
		Outer Full	18.49	/	/	16.34	/	/	<=34.77	Pass
		Inner Full	21.49	/	/	19.34	/	/	<=34.77	Pass
		Inner 1RB Left	21.79	/	/	19.64	/	/	<=34.77	Pass
		Inner 1RB Right	21.49	/	/	19.34	/	/	<=34.77	Pass
	713.5	Edge 1RB Left	20.09	/	/	17.94	/	/	<=34.77	Pass
		Edge 1RB Right	19.95	/	/	17.80	/	/	<=34.77	Pass
		Outer Full	17.83	/	/	15.68	/	/	<=34.77	Pass
		Inner Full	20.79	/	/	18.64	/	/	<=34.77	Pass
		Inner 1RB Left	21.06	/	/	18.91	/	/	<=34.77	Pass
		Inner 1RB Right	20.90	/	/	18.75	/	/	<=34.77	Pass
CP-OFDM 64 QAM	701.5	Edge 1RB Left	19.70	/	/	17.55	/	/	<=34.77	Pass
		Edge 1RB Right	19.83	/	/	17.68	/	/	<=34.77	Pass
		Outer Full	17.41	/	/	15.26	/	/	<=34.77	Pass
		Inner Full	19.71	/	/	17.56	/	/	<=34.77	Pass
		Inner 1RB Left	19.83	/	/	17.68	/	/	<=34.77	Pass
		Inner 1RB Right	19.86	/	/	17.71	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	20.20	/	/	18.05	/	/	<=34.77	Pass
		Edge 1RB Right	20.14	/	/	17.99	/	/	<=34.77	Pass
		Outer Full	18.15	/	/	16.00	/	/	<=34.77	Pass
		Inner Full	20.10	/	/	17.95	/	/	<=34.77	Pass
		Inner 1RB Left	20.18	/	/	18.03	/	/	<=34.77	Pass
		Inner 1RB Right	20.10	/	/	17.95	/	/	<=34.77	Pass
	713.5	Edge 1RB Left	19.65	/	/	17.50	/	/	<=34.77	Pass
		Edge 1RB Right	19.34	/	/	17.19	/	/	<=34.77	Pass
		Outer Full	17.43	/	/	15.28	/	/	<=34.77	Pass
		Inner Full	19.35	/	/	17.20	/	/	<=34.77	Pass
		Inner 1RB Left	19.57	/	/	17.42	/	/	<=34.77	Pass
		Inner 1RB Right	19.40	/	/	17.25	/	/	<=34.77	Pass
CP-OFDM 256 QAM	701.5	Edge 1RB Left	16.08	/	/	13.93	/	/	<=34.77	Pass
		Edge 1RB Right	15.93	/	/	13.78	/	/	<=34.77	Pass



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		Outer_Full	14.46	/	/	12.31	/	/	<=34.77	Pass
		Inner_Full	16.49	/	/	14.34	/	/	<=34.77	Pass
		Inner_1RB_Left	14.36	/	/	12.21	/	/	<=34.77	Pass
		Inner_1RB_Right	16.24	/	/	14.09	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	16.74	/	/	14.59	/	/	<=34.77	Pass
		Edge_1RB_Right	16.63	/	/	14.48	/	/	<=34.77	Pass
		Outer_Full	14.91	/	/	12.76	/	/	<=34.77	Pass
		Inner_Full	16.99	/	/	14.84	/	/	<=34.77	Pass
		Inner_1RB_Left	16.68	/	/	14.53	/	/	<=34.77	Pass
		Inner_1RB_Right	16.58	/	/	14.43	/	/	<=34.77	Pass
	713.5	Edge_1RB_Left	15.91	/	/	13.76	/	/	<=34.77	Pass
		Edge_1RB_Right	15.79	/	/	13.64	/	/	<=34.77	Pass
		Outer_Full	14.18	/	/	12.03	/	/	<=34.77	Pass
		Inner_Full	16.19	/	/	14.04	/	/	<=34.77	Pass
		Inner_1RB_Left	15.84	/	/	13.69	/	/	<=34.77	Pass
		Inner_1RB_Right	15.72	/	/	13.57	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.00dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 15_S_10M_NTNV_ERP

5G NR n12 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	704	Edge 1RB Left	22.58	/	/	20.43	/	/	<=34.77	Pass
		Edge 1RB Right	22.31	/	/	20.16	/	/	<=34.77	Pass
		Outer Full	22.45	/	/	20.30	/	/	<=34.77	Pass
		Inner Full	23.15	/	/	21.00	/	/	<=34.77	Pass
		Inner 1RB Left	22.74	/	/	20.59	/	/	<=34.77	Pass
		Inner 1RB Right	22.71	/	/	20.56	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	22.72	/	/	20.57	/	/	<=34.77	Pass
		Edge 1RB Right	22.45	/	/	20.30	/	/	<=34.77	Pass
		Outer Full	22.68	/	/	20.53	/	/	<=34.77	Pass
		Inner Full	23.20	/	/	21.05	/	/	<=34.77	Pass
		Inner 1RB Left	23.04	/	/	20.89	/	/	<=34.77	Pass
		Inner 1RB Right	22.94	/	/	20.79	/	/	<=34.77	Pass
	711	Edge 1RB Left	22.63	/	/	20.48	/	/	<=34.77	Pass
		Edge 1RB Right	22.23	/	/	20.08	/	/	<=34.77	Pass
		Outer Full	22.67	/	/	20.52	/	/	<=34.77	Pass
		Inner Full	23.06	/	/	20.91	/	/	<=34.77	Pass
		Inner 1RB Left	23.07	/	/	20.92	/	/	<=34.77	Pass
		Inner 1RB Right	22.80	/	/	20.65	/	/	<=34.77	Pass
DFT-s-OFDM QPSK	704	Edge 1RB Left	22.07	/	/	19.92	/	/	<=34.77	Pass
		Edge 1RB Right	22.03	/	/	19.88	/	/	<=34.77	Pass
		Outer Full	20.36	/	/	18.21	/	/	<=34.77	Pass
		Inner Full	23.12	/	/	20.97	/	/	<=34.77	Pass
		Inner 1RB Left	23.28	/	/	21.13	/	/	<=34.77	Pass
		Inner 1RB Right	23.18	/	/	21.03	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	22.14	/	/	19.99	/	/	<=34.77	Pass
		Edge 1RB Right	21.72	/	/	19.57	/	/	<=34.77	Pass
		Outer Full	20.39	/	/	18.24	/	/	<=34.77	Pass

		Inner Full	23.11	/	/	20.96	/	/	<=34.77	Pass
		Inner 1RB Left	23.09	/	/	20.94	/	/	<=34.77	Pass
		Inner 1RB Right	23.00	/	/	20.85	/	/	<=34.77	Pass
	711	Edge 1RB Left	22.17	/	/	20.02	/	/	<=34.77	Pass
		Edge 1RB Right	21.91	/	/	19.76	/	/	<=34.77	Pass
		Outer Full	20.53	/	/	18.38	/	/	<=34.77	Pass
		Inner Full	23.06	/	/	20.91	/	/	<=34.77	Pass
		Inner 1RB Left	23.21	/	/	21.06	/	/	<=34.77	Pass
		Inner 1RB Right	22.85	/	/	20.70	/	/	<=34.77	Pass
		Edge 1RB Left	21.25	/	/	19.10	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	704	Edge 1RB Right	21.16	/	/	19.01	/	/	<=34.77	Pass
		Outer Full	19.58	/	/	17.43	/	/	<=34.77	Pass
		Inner Full	22.17	/	/	20.02	/	/	<=34.77	Pass
		Inner 1RB Left	22.26	/	/	20.11	/	/	<=34.77	Pass
		Inner 1RB Right	22.08	/	/	19.93	/	/	<=34.77	Pass
		Edge 1RB Left	21.13	/	/	18.98	/	/	<=34.77	Pass
	707.5	Edge 1RB Right	21.00	/	/	18.85	/	/	<=34.77	Pass
		Outer Full	19.43	/	/	17.28	/	/	<=34.77	Pass
		Inner Full	22.04	/	/	19.89	/	/	<=34.77	Pass
		Inner 1RB Left	22.18	/	/	20.03	/	/	<=34.77	Pass
		Inner 1RB Right	21.89	/	/	19.74	/	/	<=34.77	Pass
		Edge 1RB Left	20.94	/	/	18.79	/	/	<=34.77	Pass
	711	Edge 1RB Right	20.87	/	/	18.72	/	/	<=34.77	Pass
		Outer Full	19.37	/	/	17.22	/	/	<=34.77	Pass
		Inner Full	22.08	/	/	19.93	/	/	<=34.77	Pass
		Inner 1RB Left	22.16	/	/	20.01	/	/	<=34.77	Pass
		Inner 1RB Right	21.83	/	/	19.68	/	/	<=34.77	Pass
		Edge 1RB Left	20.70	/	/	18.55	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	704	Edge 1RB Right	20.77	/	/	18.62	/	/	<=34.77	Pass
		Outer Full	19.19	/	/	17.04	/	/	<=34.77	Pass
		Inner Full	20.65	/	/	18.50	/	/	<=34.77	Pass
		Inner 1RB Left	20.76	/	/	18.61	/	/	<=34.77	Pass
		Inner 1RB Right	20.74	/	/	18.59	/	/	<=34.77	Pass
		Edge 1RB Left	20.74	/	/	18.59	/	/	<=34.77	Pass
	707.5	Edge 1RB Right	20.69	/	/	18.54	/	/	<=34.77	Pass
		Outer Full	19.17	/	/	17.02	/	/	<=34.77	Pass
		Inner Full	20.87	/	/	18.72	/	/	<=34.77	Pass
		Inner 1RB Left	20.82	/	/	18.67	/	/	<=34.77	Pass
		Inner 1RB Right	20.67	/	/	18.52	/	/	<=34.77	Pass
		Edge 1RB Left	20.87	/	/	18.72	/	/	<=34.77	Pass
	711	Edge 1RB Right	20.62	/	/	18.47	/	/	<=34.77	Pass
		Outer Full	18.98	/	/	16.83	/	/	<=34.77	Pass
		Inner Full	20.77	/	/	18.62	/	/	<=34.77	Pass
		Inner 1RB Left	20.89	/	/	18.74	/	/	<=34.77	Pass
		Inner 1RB Right	20.71	/	/	18.56	/	/	<=34.77	Pass
		Edge 1RB Left	18.17	/	/	16.02	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	704	Edge 1RB Right	18.27	/	/	16.12	/	/	<=34.77	Pass
		Outer Full	15.92	/	/	13.77	/	/	<=34.77	Pass
		Inner Full	18.55	/	/	16.40	/	/	<=34.77	Pass
		Inner 1RB Left	18.21	/	/	16.06	/	/	<=34.77	Pass
		Inner 1RB Right	18.15	/	/	16.00	/	/	<=34.77	Pass
		Edge 1RB Left	18.21	/	/	16.06	/	/	<=34.77	Pass
	707.5	Edge 1RB Right	18.26	/	/	16.11	/	/	<=34.77	Pass
		Edge 1RB Right	18.26	/	/	16.11	/	/	<=34.77	Pass

		Outer_Full	15.99	/	/	13.84	/	/	<=34.77	Pass
		Inner_Full	18.60	/	/	16.45	/	/	<=34.77	Pass
		Inner_1RB_Left	18.31	/	/	16.16	/	/	<=34.77	Pass
		Inner_1RB_Right	18.37	/	/	16.22	/	/	<=34.77	Pass
	711	Edge_1RB_Left	18.33	/	/	16.18	/	/	<=34.77	Pass
		Edge_1RB_Right	18.24	/	/	16.09	/	/	<=34.77	Pass
		Outer_Full	15.94	/	/	13.79	/	/	<=34.77	Pass
		Inner_Full	18.53	/	/	16.38	/	/	<=34.77	Pass
		Inner_1RB_Left	18.31	/	/	16.16	/	/	<=34.77	Pass
		Inner_1RB_Right	18.19	/	/	16.04	/	/	<=34.77	Pass
		Edge_1RB_Left	20.13	/	/	17.98	/	/	<=34.77	Pass
		Edge_1RB_Right	20.13	/	/	17.98	/	/	<=34.77	Pass
CP-OFDM QPSK	704	Outer_Full	20.60	/	/	18.45	/	/	<=34.77	Pass
		Inner_Full	21.60	/	/	19.45	/	/	<=34.77	Pass
		Inner_1RB_Left	21.70	/	/	19.55	/	/	<=34.77	Pass
		Inner_1RB_Right	21.33	/	/	19.18	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.35	/	/	18.20	/	/	<=34.77	Pass
		Edge_1RB_Right	20.07	/	/	17.92	/	/	<=34.77	Pass
		Outer_Full	20.76	/	/	18.61	/	/	<=34.77	Pass
		Inner_Full	21.69	/	/	19.54	/	/	<=34.77	Pass
		Inner_1RB_Left	21.81	/	/	19.66	/	/	<=34.77	Pass
		Inner_1RB_Right	21.63	/	/	19.48	/	/	<=34.77	Pass
	711	Edge_1RB_Left	20.27	/	/	18.12	/	/	<=34.77	Pass
		Edge_1RB_Right	19.78	/	/	17.63	/	/	<=34.77	Pass
		Outer_Full	20.66	/	/	18.51	/	/	<=34.77	Pass
		Inner_Full	21.64	/	/	19.49	/	/	<=34.77	Pass
		Inner_1RB_Left	21.75	/	/	19.60	/	/	<=34.77	Pass
		Inner_1RB_Right	21.47	/	/	19.32	/	/	<=34.77	Pass
CP-OFDM 16 QAM	704	Edge_1RB_Left	20.01	/	/	17.86	/	/	<=34.77	Pass
		Edge_1RB_Right	20.09	/	/	17.94	/	/	<=34.77	Pass
		Outer_Full	18.00	/	/	15.85	/	/	<=34.77	Pass
		Inner_Full	21.15	/	/	19.00	/	/	<=34.77	Pass
		Inner_1RB_Left	21.16	/	/	19.01	/	/	<=34.77	Pass
		Inner_1RB_Right	21.01	/	/	18.86	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.25	/	/	18.10	/	/	<=34.77	Pass
		Edge_1RB_Right	20.12	/	/	17.97	/	/	<=34.77	Pass
		Outer_Full	17.95	/	/	15.80	/	/	<=34.77	Pass
		Inner_Full	21.26	/	/	19.11	/	/	<=34.77	Pass
		Inner_1RB_Left	21.22	/	/	19.07	/	/	<=34.77	Pass
		Inner_1RB_Right	21.23	/	/	19.08	/	/	<=34.77	Pass
	711	Edge_1RB_Left	20.33	/	/	18.18	/	/	<=34.77	Pass
		Edge_1RB_Right	19.92	/	/	17.77	/	/	<=34.77	Pass
		Outer_Full	18.20	/	/	16.05	/	/	<=34.77	Pass
		Inner_Full	21.05	/	/	18.90	/	/	<=34.77	Pass
		Inner_1RB_Left	21.26	/	/	19.11	/	/	<=34.77	Pass
		Inner_1RB_Right	20.93	/	/	18.78	/	/	<=34.77	Pass
CP-OFDM 64 QAM	704	Edge_1RB_Left	19.64	/	/	17.49	/	/	<=34.77	Pass
		Edge_1RB_Right	19.65	/	/	17.50	/	/	<=34.77	Pass
		Outer_Full	17.50	/	/	15.35	/	/	<=34.77	Pass
		Inner_Full	19.67	/	/	17.52	/	/	<=34.77	Pass
		Inner_1RB_Left	19.80	/	/	17.65	/	/	<=34.77	Pass
		Inner_1RB_Right	19.62	/	/	17.47	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	19.88	/	/	17.73	/	/	<=34.77	Pass



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CP-OFDM 256 QAM		Edge_1RB_Right	19.58	/	/	17.43	/	/	<=34.77	Pass
		Outer_Full	17.45	/	/	15.30	/	/	<=34.77	Pass
		Inner_Full	19.80	/	/	17.65	/	/	<=34.77	Pass
		Inner_1RB_Left	19.94	/	/	17.79	/	/	<=34.77	Pass
		Inner_1RB_Right	19.76	/	/	17.61	/	/	<=34.77	Pass
	711	Edge_1RB_Left	19.58	/	/	17.43	/	/	<=34.77	Pass
		Edge_1RB_Right	19.34	/	/	17.19	/	/	<=34.77	Pass
		Outer_Full	17.49	/	/	15.34	/	/	<=34.77	Pass
		Inner_Full	19.60	/	/	17.45	/	/	<=34.77	Pass
		Inner_1RB_Left	19.62	/	/	17.47	/	/	<=34.77	Pass
	704	Inner_1RB_Right	19.48	/	/	17.33	/	/	<=34.77	Pass
		Edge_1RB_Left	16.27	/	/	14.12	/	/	<=34.77	Pass
		Edge_1RB_Right	16.42	/	/	14.27	/	/	<=34.77	Pass
		Outer_Full	14.71	/	/	12.56	/	/	<=34.77	Pass
		Inner_Full	16.44	/	/	14.29	/	/	<=34.77	Pass
707.5	Inner_1RB_Left	16.25	/	/	14.10	/	/	<=34.77	Pass	
	Inner_1RB_Right	16.49	/	/	14.34	/	/	<=34.77	Pass	
	Edge_1RB_Left	16.31	/	/	14.16	/	/	<=34.77	Pass	
	Edge_1RB_Right	16.40	/	/	14.25	/	/	<=34.77	Pass	
	Outer_Full	14.74	/	/	12.59	/	/	<=34.77	Pass	
711	Inner_Full	16.68	/	/	14.53	/	/	<=34.77	Pass	
	Inner_1RB_Left	16.32	/	/	14.17	/	/	<=34.77	Pass	
	Inner_1RB_Right	16.47	/	/	14.32	/	/	<=34.77	Pass	
	Edge_1RB_Left	15.95	/	/	13.80	/	/	<=34.77	Pass	
	Edge_1RB_Right	16.45	/	/	14.30	/	/	<=34.77	Pass	
	Outer_Full	13.88	/	/	11.73	/	/	<=34.77	Pass	
	Inner_Full	16.18	/	/	14.03	/	/	<=34.77	Pass	
	Inner_1RB_Left	16.51	/	/	14.36	/	/	<=34.77	Pass	
	Inner_1RB_Right	16.19	/	/	14.04	/	/	<=34.77	Pass	
Note1: Antenna Gain: Ant1: 0.00dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

1.1.3 15_S_15M_NTNV_ERP

5G NR n12 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	706.5	Edge 1RB Left	22.43	/	/	20.28	/	/	<=34.77	Pass
		Edge 1RB Right	22.34	/	/	20.19	/	/	<=34.77	Pass
		Outer Full	22.55	/	/	20.40	/	/	<=34.77	Pass
		Inner Full	22.91	/	/	20.76	/	/	<=34.77	Pass
		Inner 1RB Left	22.95	/	/	20.80	/	/	<=34.77	Pass
		Inner 1RB Right	22.84	/	/	20.69	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	22.56	/	/	20.41	/	/	<=34.77	Pass
		Edge 1RB Right	22.23	/	/	20.08	/	/	<=34.77	Pass
		Outer Full	22.56	/	/	20.41	/	/	<=34.77	Pass
		Inner Full	23.04	/	/	20.89	/	/	<=34.77	Pass
		Inner 1RB Left	22.99	/	/	20.84	/	/	<=34.77	Pass
		Inner 1RB Right	22.93	/	/	20.78	/	/	<=34.77	Pass
	708.5	Edge 1RB Left	22.55	/	/	20.40	/	/	<=34.77	Pass
		Edge 1RB Right	22.40	/	/	20.25	/	/	<=34.77	Pass

DFT-s-OFDM QPSK		Outer Full	22.66	/	/	20.51	/	/	<=34.77	Pass
		Inner Full	23.16	/	/	21.01	/	/	<=34.77	Pass
		Inner 1RB Left	22.96	/	/	20.81	/	/	<=34.77	Pass
		Inner 1RB Right	22.79	/	/	20.64	/	/	<=34.77	Pass
	706.5	Edge 1RB Left	22.09	/	/	19.94	/	/	<=34.77	Pass
		Edge 1RB Right	21.92	/	/	19.77	/	/	<=34.77	Pass
		Outer Full	20.43	/	/	18.28	/	/	<=34.77	Pass
		Inner Full	23.01	/	/	20.86	/	/	<=34.77	Pass
	707.5	Inner 1RB Left	23.27	/	/	21.12	/	/	<=34.77	Pass
		Inner 1RB Right	23.13	/	/	20.98	/	/	<=34.77	Pass
		Edge 1RB Left	21.85	/	/	19.70	/	/	<=34.77	Pass
		Edge 1RB Right	21.99	/	/	19.84	/	/	<=34.77	Pass
DFT-s-OFDM 16 QAM	706.5	Outer Full	20.38	/	/	18.23	/	/	<=34.77	Pass
		Inner Full	23.03	/	/	20.88	/	/	<=34.77	Pass
		Inner 1RB Left	23.26	/	/	21.11	/	/	<=34.77	Pass
		Inner 1RB Right	23.15	/	/	21.00	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	22.12	/	/	19.97	/	/	<=34.77	Pass
		Edge 1RB Right	22.04	/	/	19.89	/	/	<=34.77	Pass
		Outer Full	20.53	/	/	18.38	/	/	<=34.77	Pass
		Inner Full	23.08	/	/	20.93	/	/	<=34.77	Pass
	708.5	Inner 1RB Left	23.14	/	/	20.99	/	/	<=34.77	Pass
		Inner 1RB Right	22.88	/	/	20.73	/	/	<=34.77	Pass
		Edge 1RB Left	21.05	/	/	18.90	/	/	<=34.77	Pass
		Edge 1RB Right	20.86	/	/	18.71	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	706.5	Outer Full	19.42	/	/	17.27	/	/	<=34.77	Pass
		Inner Full	22.13	/	/	19.98	/	/	<=34.77	Pass
		Inner 1RB Left	22.03	/	/	19.88	/	/	<=34.77	Pass
		Inner 1RB Right	21.89	/	/	19.74	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	21.17	/	/	19.02	/	/	<=34.77	Pass
		Edge 1RB Right	21.00	/	/	18.85	/	/	<=34.77	Pass
		Outer Full	19.54	/	/	17.39	/	/	<=34.77	Pass
		Inner Full	22.07	/	/	19.92	/	/	<=34.77	Pass
	708.5	Inner 1RB Left	22.17	/	/	20.02	/	/	<=34.77	Pass
		Inner 1RB Right	22.04	/	/	19.89	/	/	<=34.77	Pass
		Edge 1RB Left	21.14	/	/	18.99	/	/	<=34.77	Pass
		Edge 1RB Right	20.96	/	/	18.81	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	706.5	Outer Full	19.62	/	/	17.47	/	/	<=34.77	Pass
		Inner Full	22.04	/	/	19.89	/	/	<=34.77	Pass
		Inner 1RB Left	22.13	/	/	19.98	/	/	<=34.77	Pass
		Inner 1RB Right	21.88	/	/	19.73	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	20.65	/	/	18.50	/	/	<=34.77	Pass
		Edge 1RB Right	20.45	/	/	18.30	/	/	<=34.77	Pass
		Outer Full	19.13	/	/	16.98	/	/	<=34.77	Pass
		Inner Full	20.62	/	/	18.47	/	/	<=34.77	Pass
	708.5	Inner 1RB Left	20.78	/	/	18.63	/	/	<=34.77	Pass
		Inner 1RB Right	20.56	/	/	18.41	/	/	<=34.77	Pass
		Edge 1RB Left	20.73	/	/	18.58	/	/	<=34.77	Pass
		Edge 1RB Right	20.60	/	/	18.45	/	/	<=34.77	Pass
DFT-s-OFDM 64 QAM	706.5	Outer Full	18.91	/	/	16.76	/	/	<=34.77	Pass
		Inner Full	20.59	/	/	18.44	/	/	<=34.77	Pass
		Inner 1RB Left	20.68	/	/	18.53	/	/	<=34.77	Pass
		Inner 1RB Right	20.60	/	/	18.45	/	/	<=34.77	Pass
	707.5	Edge 1RB Left	20.63	/	/	18.48	/	/	<=34.77	Pass
		Edge 1RB Right	20.63	/	/	18.48	/	/	<=34.77	Pass
		Outer Full	18.91	/	/	16.76	/	/	<=34.77	Pass
		Inner Full	20.59	/	/	18.44	/	/	<=34.77	Pass
	708.5	Inner 1RB Left	20.68	/	/	18.53	/	/	<=34.77	Pass
		Inner 1RB Right	20.60	/	/	18.45	/	/	<=34.77	Pass
		Edge 1RB Left	20.63	/	/	18.48	/	/	<=34.77	Pass
		Edge 1RB Right	20.63	/	/	18.48	/	/	<=34.77	Pass

		Edge_1RB_Right	20.46	/	/	18.31	/	/	<=34.77	Pass
		Outer_Full	19.03	/	/	16.88	/	/	<=34.77	Pass
		Inner_Full	20.70	/	/	18.55	/	/	<=34.77	Pass
		Inner_1RB_Left	20.67	/	/	18.52	/	/	<=34.77	Pass
		Inner_1RB_Right	20.58	/	/	18.43	/	/	<=34.77	Pass
DFT-s-OFDM 256 QAM	706.5	Edge_1RB_Left	18.08	/	/	15.93	/	/	<=34.77	Pass
		Edge_1RB_Right	18.07	/	/	15.92	/	/	<=34.77	Pass
		Outer_Full	15.88	/	/	13.73	/	/	<=34.77	Pass
		Inner_Full	18.26	/	/	16.11	/	/	<=34.77	Pass
		Inner_1RB_Left	18.20	/	/	16.05	/	/	<=34.77	Pass
		Inner_1RB_Right	18.04	/	/	15.89	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	18.19	/	/	16.04	/	/	<=34.77	Pass
		Edge_1RB_Right	18.16	/	/	16.01	/	/	<=34.77	Pass
		Outer_Full	16.13	/	/	13.98	/	/	<=34.77	Pass
		Inner_Full	18.56	/	/	16.41	/	/	<=34.77	Pass
		Inner_1RB_Left	18.07	/	/	15.92	/	/	<=34.77	Pass
		Inner_1RB_Right	17.97	/	/	15.82	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	17.82	/	/	15.67	/	/	<=34.77	Pass
		Edge_1RB_Right	17.84	/	/	15.69	/	/	<=34.77	Pass
		Outer_Full	15.87	/	/	13.72	/	/	<=34.77	Pass
		Inner_Full	18.38	/	/	16.23	/	/	<=34.77	Pass
		Inner_1RB_Left	17.99	/	/	15.84	/	/	<=34.77	Pass
		Inner_1RB_Right	17.84	/	/	15.69	/	/	<=34.77	Pass
CP-OFDM QPSK	706.5	Edge_1RB_Left	20.34	/	/	18.19	/	/	<=34.77	Pass
		Edge_1RB_Right	19.97	/	/	17.82	/	/	<=34.77	Pass
		Outer_Full	20.58	/	/	18.43	/	/	<=34.77	Pass
		Inner_Full	21.58	/	/	19.43	/	/	<=34.77	Pass
		Inner_1RB_Left	21.59	/	/	19.44	/	/	<=34.77	Pass
		Inner_1RB_Right	21.46	/	/	19.31	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.09	/	/	17.94	/	/	<=34.77	Pass
		Edge_1RB_Right	20.02	/	/	17.87	/	/	<=34.77	Pass
		Outer_Full	20.63	/	/	18.48	/	/	<=34.77	Pass
		Inner_Full	21.44	/	/	19.29	/	/	<=34.77	Pass
		Inner_1RB_Left	21.73	/	/	19.58	/	/	<=34.77	Pass
		Inner_1RB_Right	21.66	/	/	19.51	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	20.11	/	/	17.96	/	/	<=34.77	Pass
		Edge_1RB_Right	20.05	/	/	17.90	/	/	<=34.77	Pass
		Outer_Full	20.74	/	/	18.59	/	/	<=34.77	Pass
		Inner_Full	21.57	/	/	19.42	/	/	<=34.77	Pass
		Inner_1RB_Left	21.41	/	/	19.26	/	/	<=34.77	Pass
		Inner_1RB_Right	21.62	/	/	19.47	/	/	<=34.77	Pass
CP-OFDM 16 QAM	706.5	Edge_1RB_Left	20.03	/	/	17.88	/	/	<=34.77	Pass
		Edge_1RB_Right	19.89	/	/	17.74	/	/	<=34.77	Pass
		Outer_Full	17.79	/	/	15.64	/	/	<=34.77	Pass
		Inner_Full	21.08	/	/	18.93	/	/	<=34.77	Pass
		Inner_1RB_Left	21.09	/	/	18.94	/	/	<=34.77	Pass
		Inner_1RB_Right	21.16	/	/	19.01	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	20.10	/	/	17.95	/	/	<=34.77	Pass
		Edge_1RB_Right	19.98	/	/	17.83	/	/	<=34.77	Pass
		Outer_Full	18.05	/	/	15.90	/	/	<=34.77	Pass
		Inner_Full	21.10	/	/	18.95	/	/	<=34.77	Pass
		Inner_1RB_Left	21.11	/	/	18.96	/	/	<=34.77	Pass
		Inner_1RB_Right	20.97	/	/	18.82	/	/	<=34.77	Pass



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	708.5	Edge_1RB_Left	19.84	/	/	17.69	/	/	<=34.77	Pass
		Edge_1RB_Right	20.03	/	/	17.88	/	/	<=34.77	Pass
		Outer_Full	17.83	/	/	15.68	/	/	<=34.77	Pass
		Inner_Full	20.92	/	/	18.77	/	/	<=34.77	Pass
		Inner_1RB_Left	21.02	/	/	18.87	/	/	<=34.77	Pass
		Inner_1RB_Right	20.82	/	/	18.67	/	/	<=34.77	Pass
CP-OFDM 64 QAM	706.5	Edge_1RB_Left	19.64	/	/	17.49	/	/	<=34.77	Pass
		Edge_1RB_Right	19.66	/	/	17.51	/	/	<=34.77	Pass
		Outer_Full	17.53	/	/	15.38	/	/	<=34.77	Pass
		Inner_Full	19.62	/	/	17.47	/	/	<=34.77	Pass
		Inner_1RB_Left	19.67	/	/	17.52	/	/	<=34.77	Pass
		Inner_1RB_Right	19.50	/	/	17.35	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	19.78	/	/	17.63	/	/	<=34.77	Pass
		Edge_1RB_Right	19.43	/	/	17.28	/	/	<=34.77	Pass
		Outer_Full	17.78	/	/	15.63	/	/	<=34.77	Pass
		Inner_Full	19.53	/	/	17.38	/	/	<=34.77	Pass
		Inner_1RB_Left	19.85	/	/	17.70	/	/	<=34.77	Pass
		Inner_1RB_Right	19.42	/	/	17.27	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	19.53	/	/	17.38	/	/	<=34.77	Pass
		Edge_1RB_Right	19.31	/	/	17.16	/	/	<=34.77	Pass
		Outer_Full	17.58	/	/	15.43	/	/	<=34.77	Pass
		Inner_Full	19.70	/	/	17.55	/	/	<=34.77	Pass
		Inner_1RB_Left	19.68	/	/	17.53	/	/	<=34.77	Pass
		Inner_1RB_Right	19.77	/	/	17.62	/	/	<=34.77	Pass
CP-OFDM 256 QAM	706.5	Edge_1RB_Left	15.98	/	/	13.83	/	/	<=34.77	Pass
		Edge_1RB_Right	15.60	/	/	13.45	/	/	<=34.77	Pass
		Outer_Full	13.85	/	/	11.70	/	/	<=34.77	Pass
		Inner_Full	16.43	/	/	14.28	/	/	<=34.77	Pass
		Inner_1RB_Left	15.74	/	/	13.59	/	/	<=34.77	Pass
		Inner_1RB_Right	16.02	/	/	13.87	/	/	<=34.77	Pass
	707.5	Edge_1RB_Left	15.92	/	/	13.77	/	/	<=34.77	Pass
		Edge_1RB_Right	15.93	/	/	13.78	/	/	<=34.77	Pass
		Outer_Full	14.42	/	/	12.27	/	/	<=34.77	Pass
		Inner_Full	16.54	/	/	14.39	/	/	<=34.77	Pass
		Inner_1RB_Left	15.97	/	/	13.82	/	/	<=34.77	Pass
		Inner_1RB_Right	16.23	/	/	14.08	/	/	<=34.77	Pass
	708.5	Edge_1RB_Left	16.33	/	/	14.18	/	/	<=34.77	Pass
		Edge_1RB_Right	16.35	/	/	14.20	/	/	<=34.77	Pass
		Outer_Full	14.66	/	/	12.51	/	/	<=34.77	Pass
		Inner_Full	16.57	/	/	14.42	/	/	<=34.77	Pass
		Inner_1RB_Left	16.40	/	/	14.25	/	/	<=34.77	Pass
		Inner_1RB_Right	16.30	/	/	14.15	/	/	<=34.77	Pass
Note1: Antenna Gain: Ant1: 0.00dBi; Note2: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 15_S_15M



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5G NR n12 SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	707.5	Outer_Full	20	LV	-12.60	-0.0178	>=-2.5 & <=2.5	Pass
				HV	-11.70	-0.0165	>=-2.5 & <=2.5	Pass
			-30	NV	-12.20	-0.0172	>=-2.5 & <=2.5	Pass
			-20	NV	-12.20	-0.0172	>=-2.5 & <=2.5	Pass
			-10	NV	-10.00	-0.0141	>=-2.5 & <=2.5	Pass
			0	NV	-10.70	-0.0151	>=-2.5 & <=2.5	Pass
			10	NV	-11.70	-0.0165	>=-2.5 & <=2.5	Pass
			20	NV	-11.40	-0.0161	>=-2.5 & <=2.5	Pass
			30	NV	-12.20	-0.0172	>=-2.5 & <=2.5	Pass
			40	NV	-12.70	-0.0180	>=-2.5 & <=2.5	Pass
50	NV	-10.60	-0.0150	>=-2.5 & <=2.5	Pass			

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15_S_5M_NTNV

5G NR n12 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	707.5	Outer_Full	4.50	4.99	/	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	4.48	4.97	/	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	4.50	5.01	/	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	4.49	4.99	/	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	4.51	5.05	/	Pass
CP-OFDM QPSK	707.5	Outer_Full	4.48	5.03	/	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	4.50	5.05	/	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	4.47	4.97	/	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	4.50	5.00	/	Pass

3.1.2 15_S_10M_NTNV

5G NR n12 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	707.5	Outer_Full	8.91	9.45	/	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	8.92	9.52	/	Pass
DFT-s-OFDM 16 QAM	707.5	Outer_Full	8.91	9.54	/	Pass
DFT-s-OFDM 64 QAM	707.5	Outer_Full	8.93	9.56	/	Pass
DFT-s-OFDM 256 QAM	707.5	Outer_Full	8.91	9.54	/	Pass
CP-OFDM QPSK	707.5	Outer_Full	9.27	9.91	/	Pass
CP-OFDM 16 QAM	707.5	Outer_Full	9.27	9.84	/	Pass
CP-OFDM 64 QAM	707.5	Outer_Full	9.26	9.78	/	Pass
CP-OFDM 256 QAM	707.5	Outer_Full	9.27	9.86	/	Pass

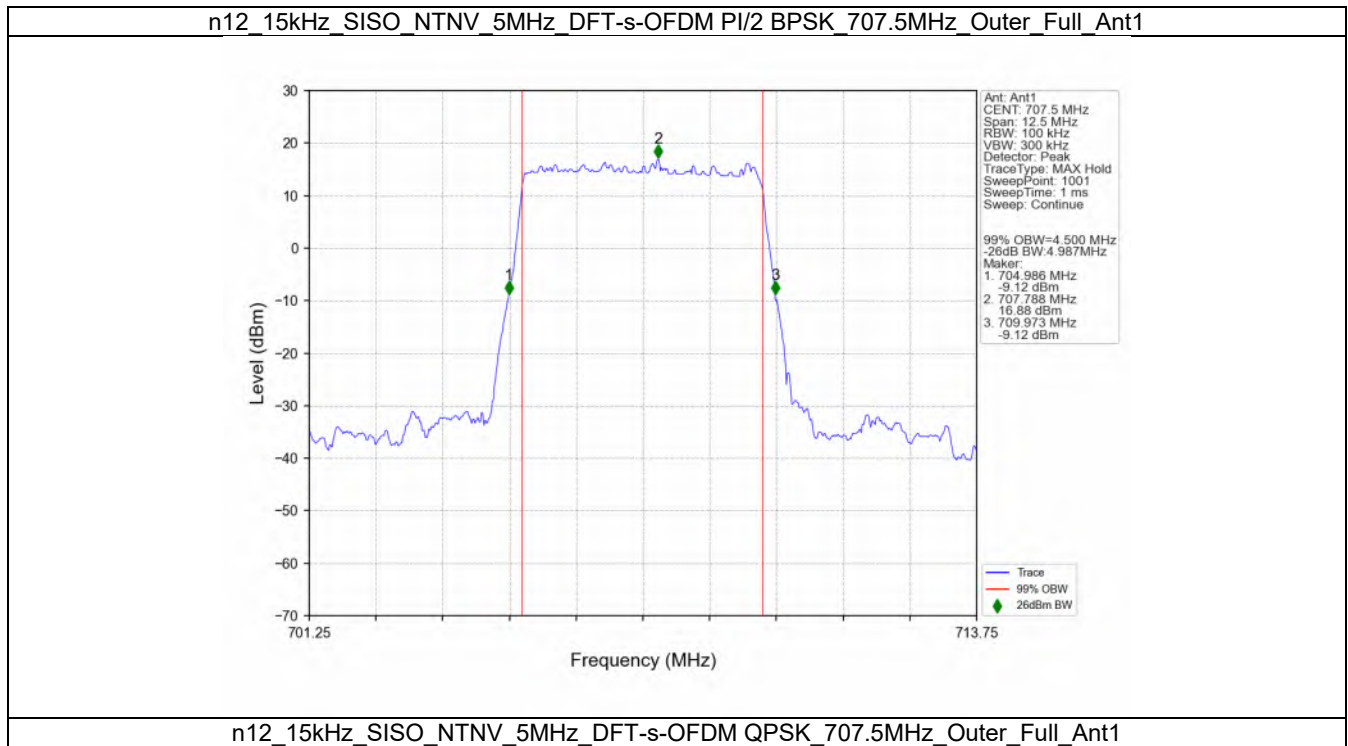


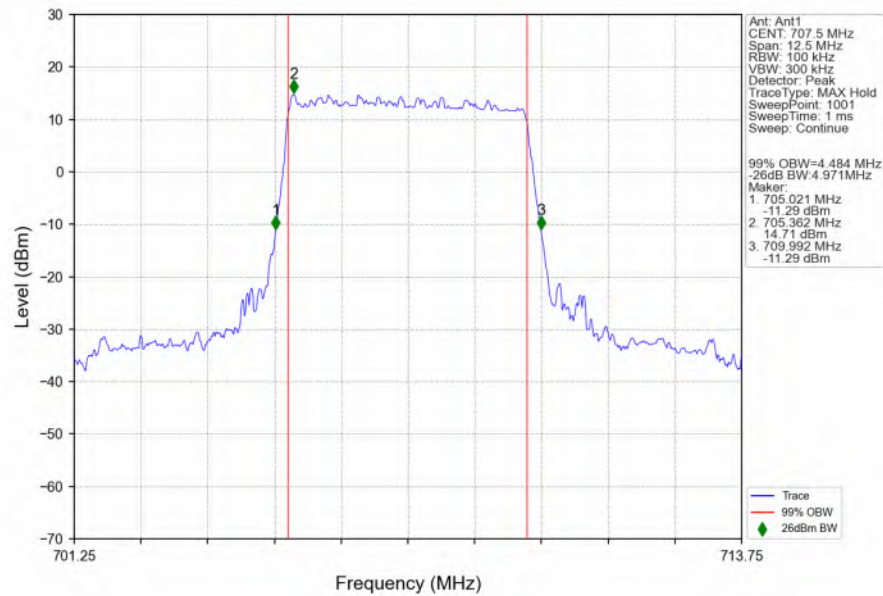
3.1.3 15_S_15M_NTNV

5G NR n12 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	707.5	Outer Full	13.38	14.24	/	Pass
DFT-s-OFDM QPSK	707.5	Outer Full	13.43	14.19	/	Pass
DFT-s-OFDM 16 QAM	707.5	Outer Full	13.42	14.22	/	Pass
DFT-s-OFDM 64 QAM	707.5	Outer Full	13.40	14.18	/	Pass
DFT-s-OFDM 256 QAM	707.5	Outer Full	13.43	14.23	/	Pass
CP-OFDM QPSK	707.5	Outer Full	14.09	14.89	/	Pass
CP-OFDM 16 QAM	707.5	Outer Full	14.09	14.94	/	Pass
CP-OFDM 64 QAM	707.5	Outer Full	14.10	14.92	/	Pass
CP-OFDM 256 QAM	707.5	Outer Full	14.07	14.92	/	Pass

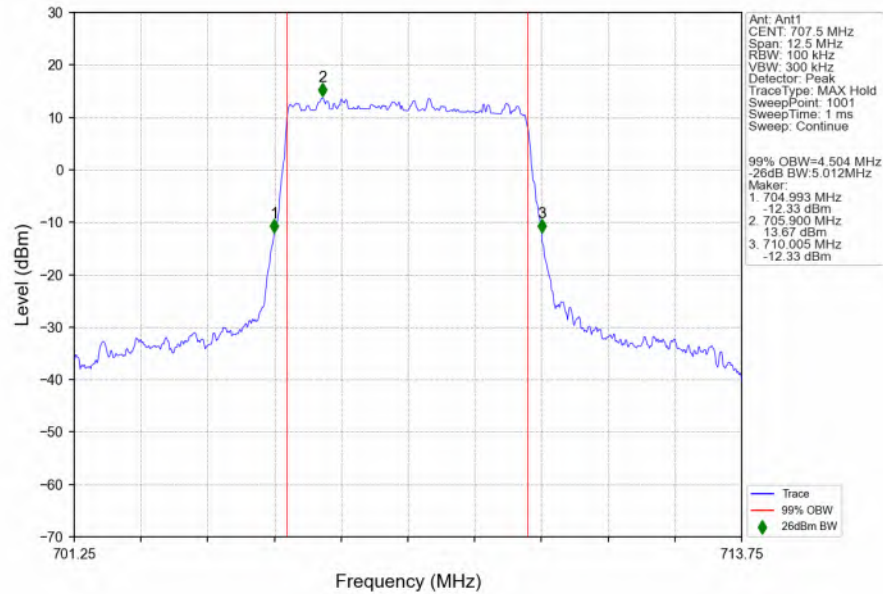
3.2 Test Graph

3.2.1 15_S_5M_NTNV

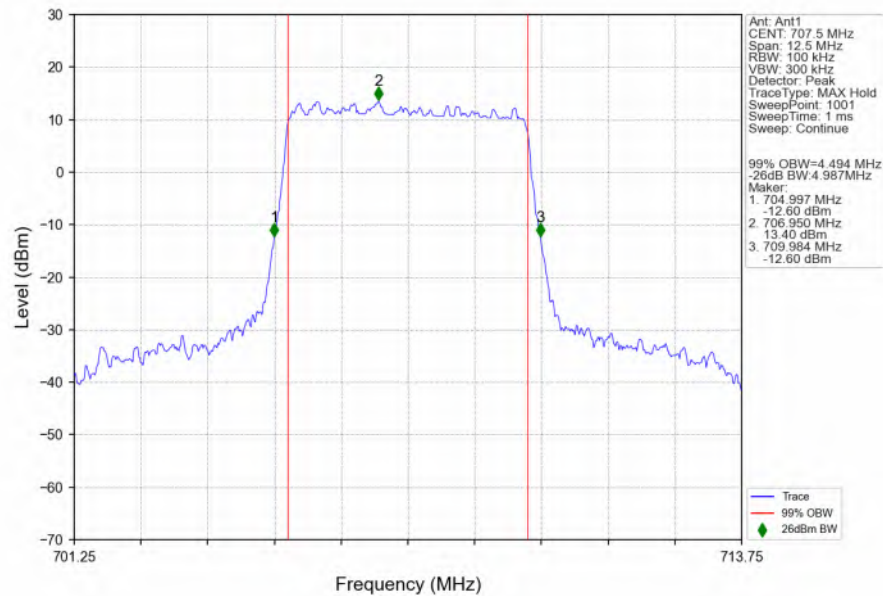




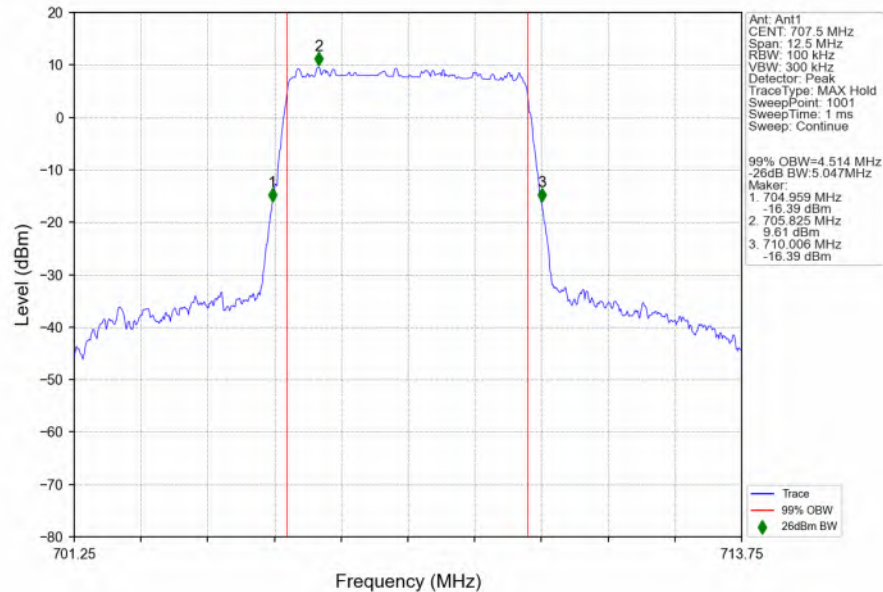
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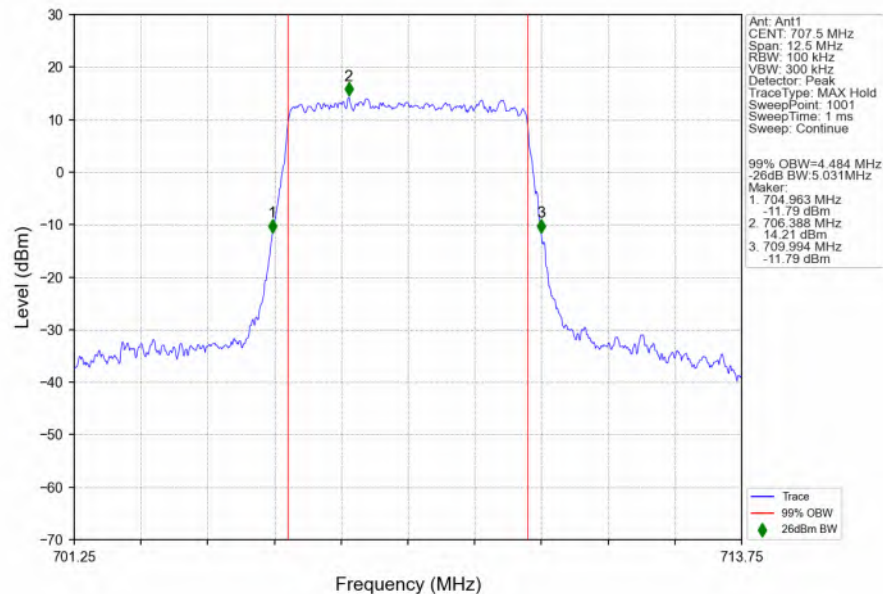
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM 707.5MHz_Outer_Full_Ant1



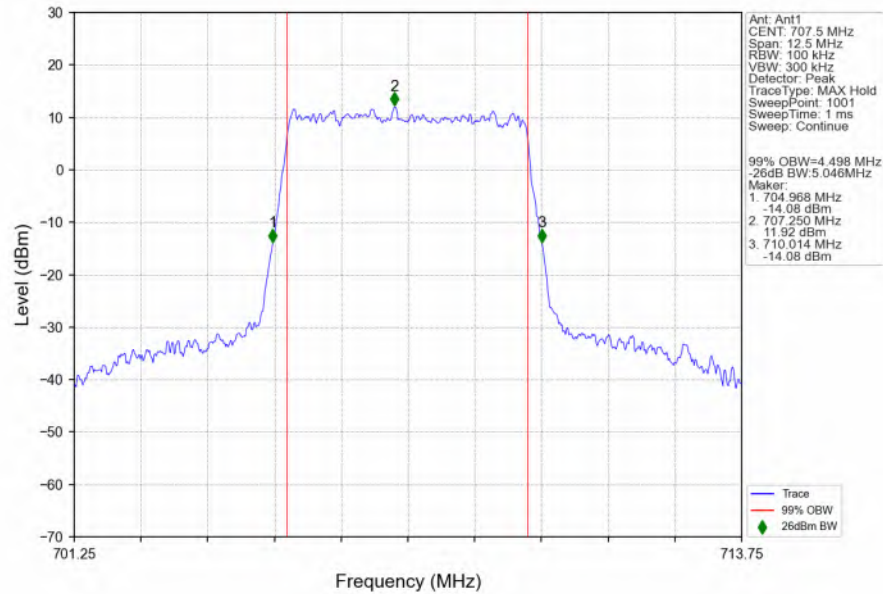
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_707.5MHz_Outer_Full_Ant1



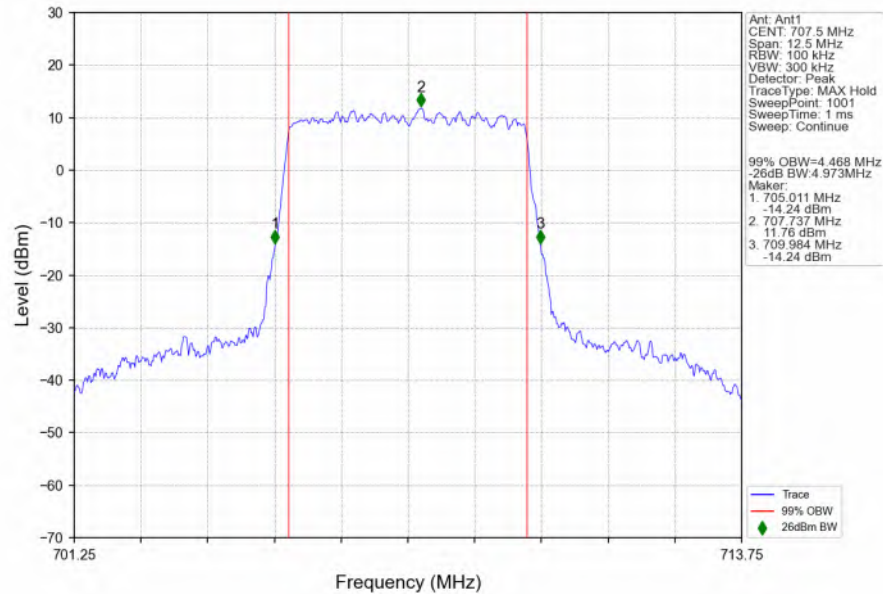
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_707.5MHz_Outer_Full_Ant1



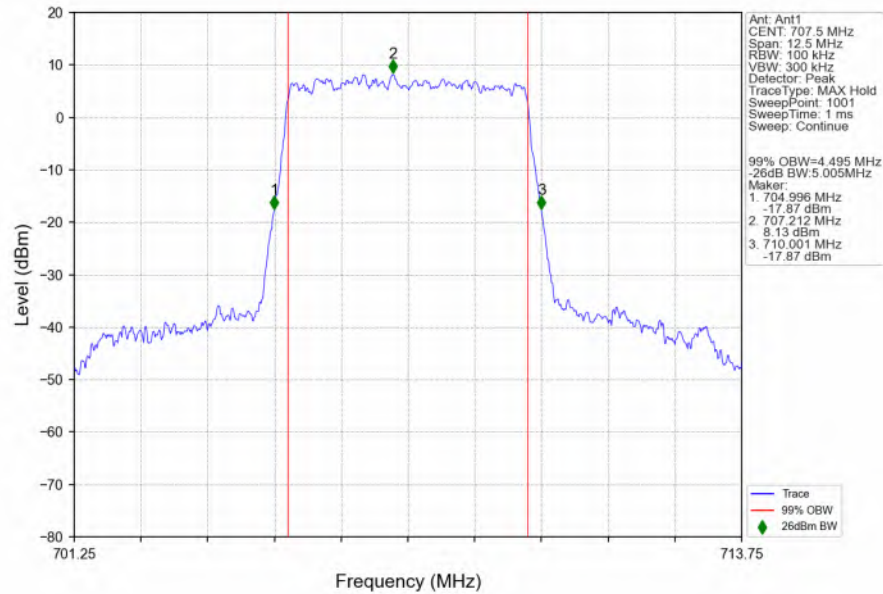
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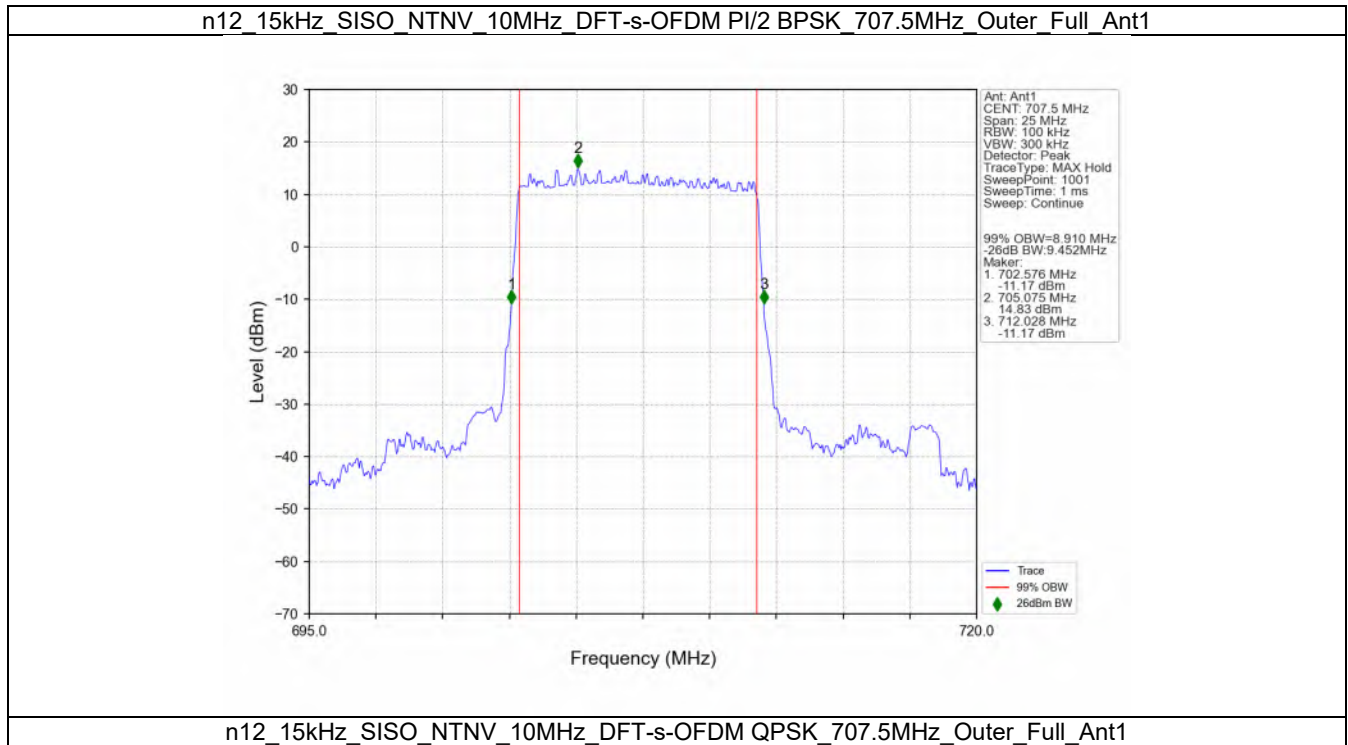
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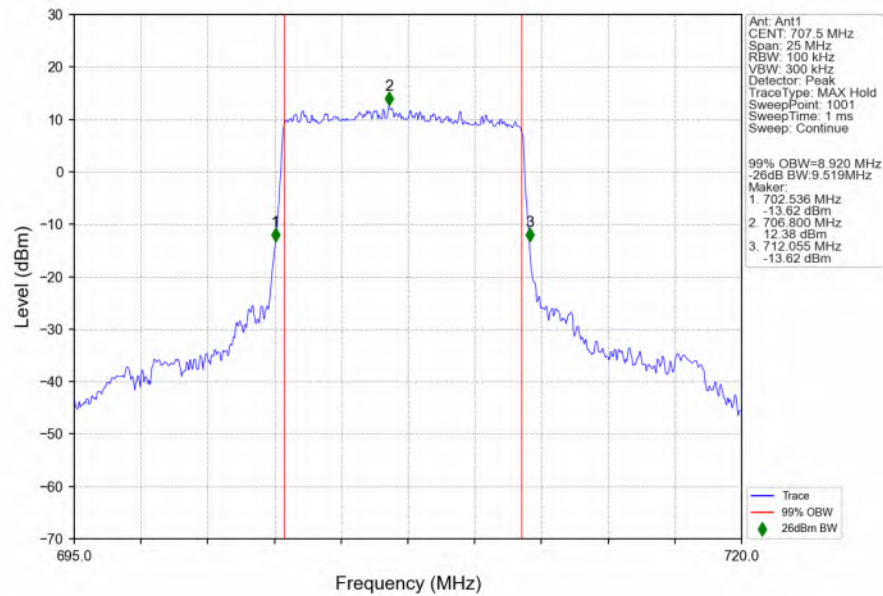


n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_707.5MHz_Outer_Full_Ant1

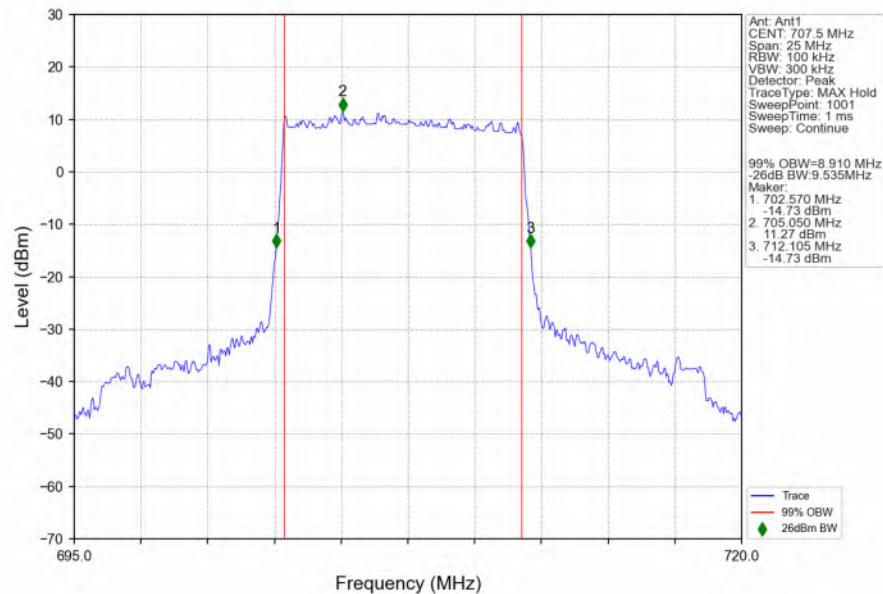


3.2.2 15_S_10M_NTNV

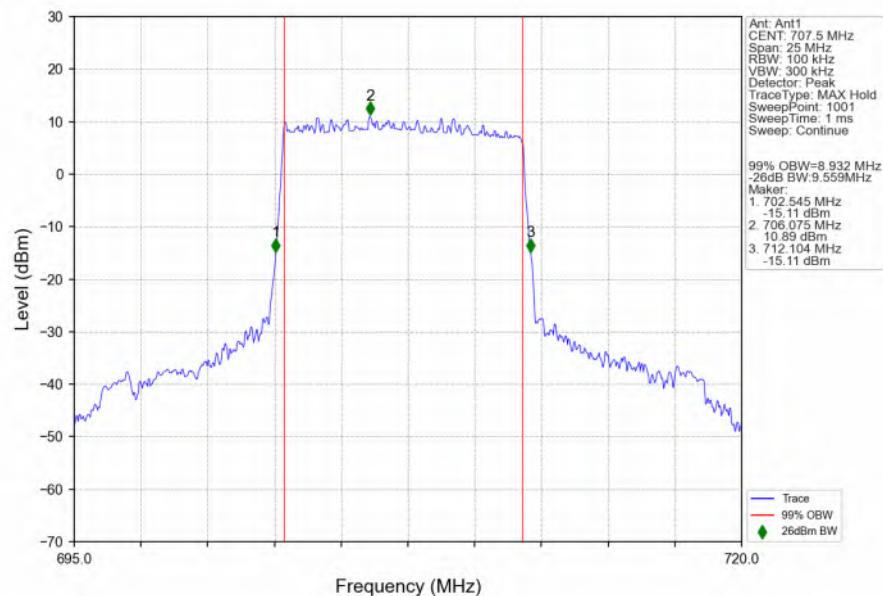




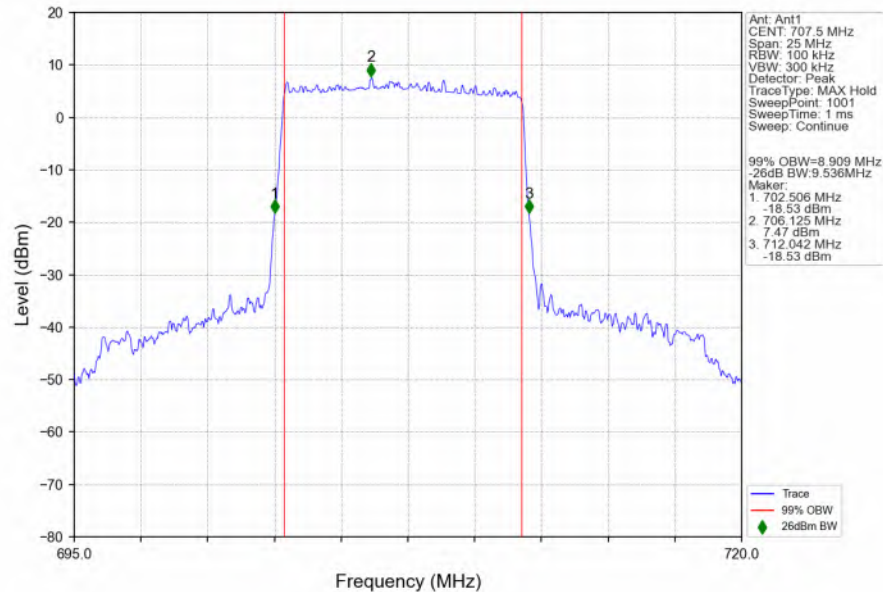
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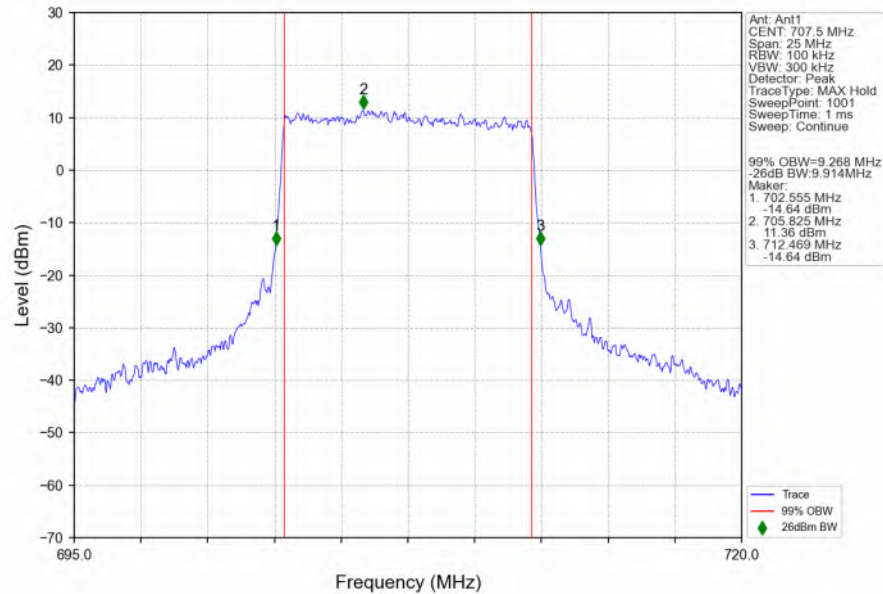
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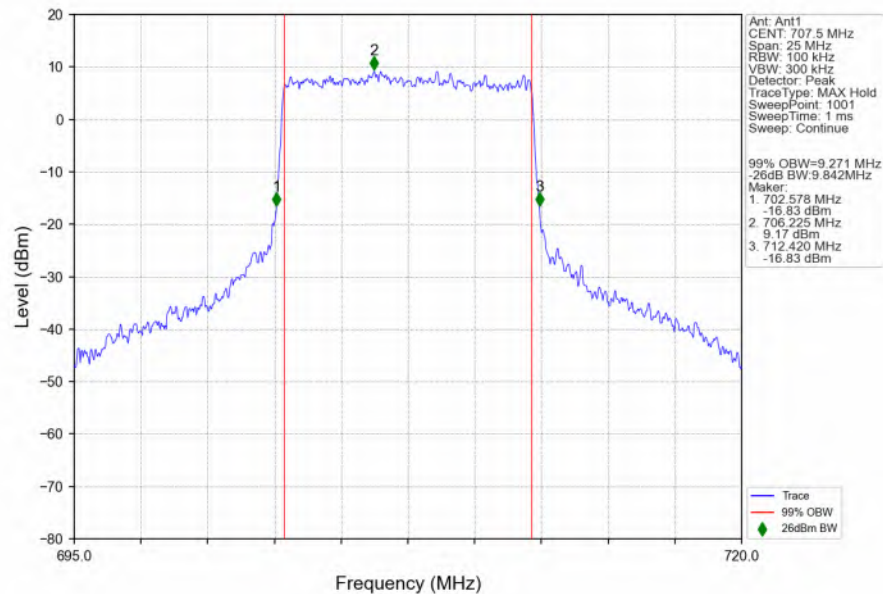
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_707.5MHz_Outer_Full_Ant1



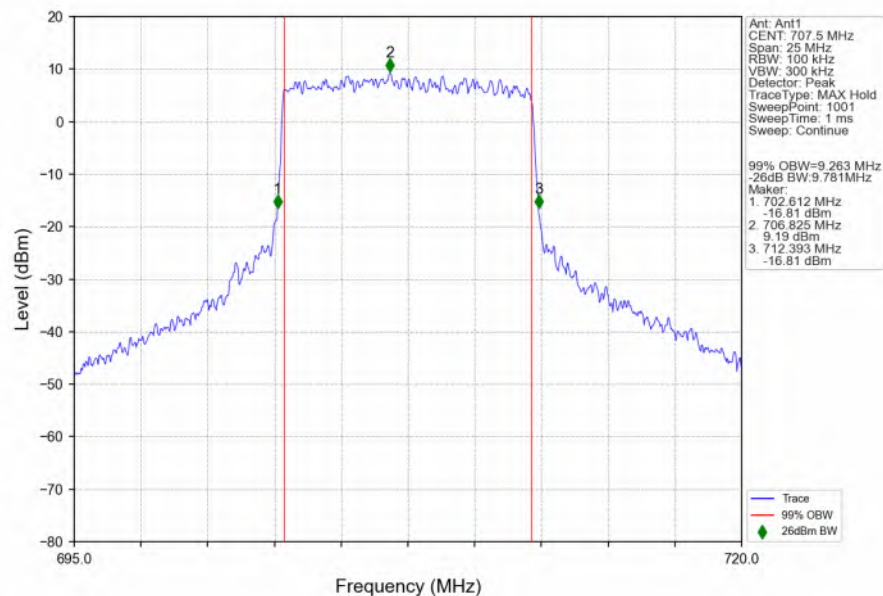
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_707.5MHz_Outer_Full_Ant1



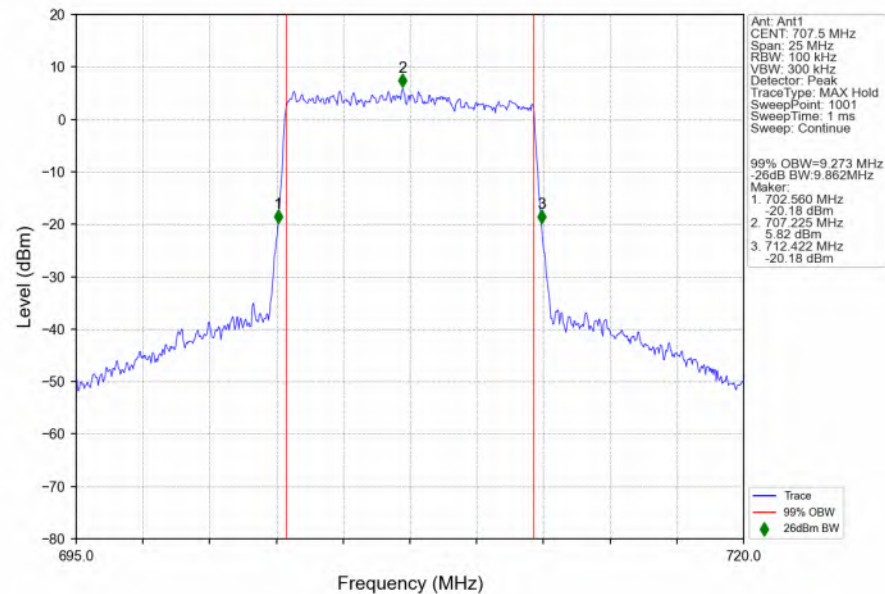
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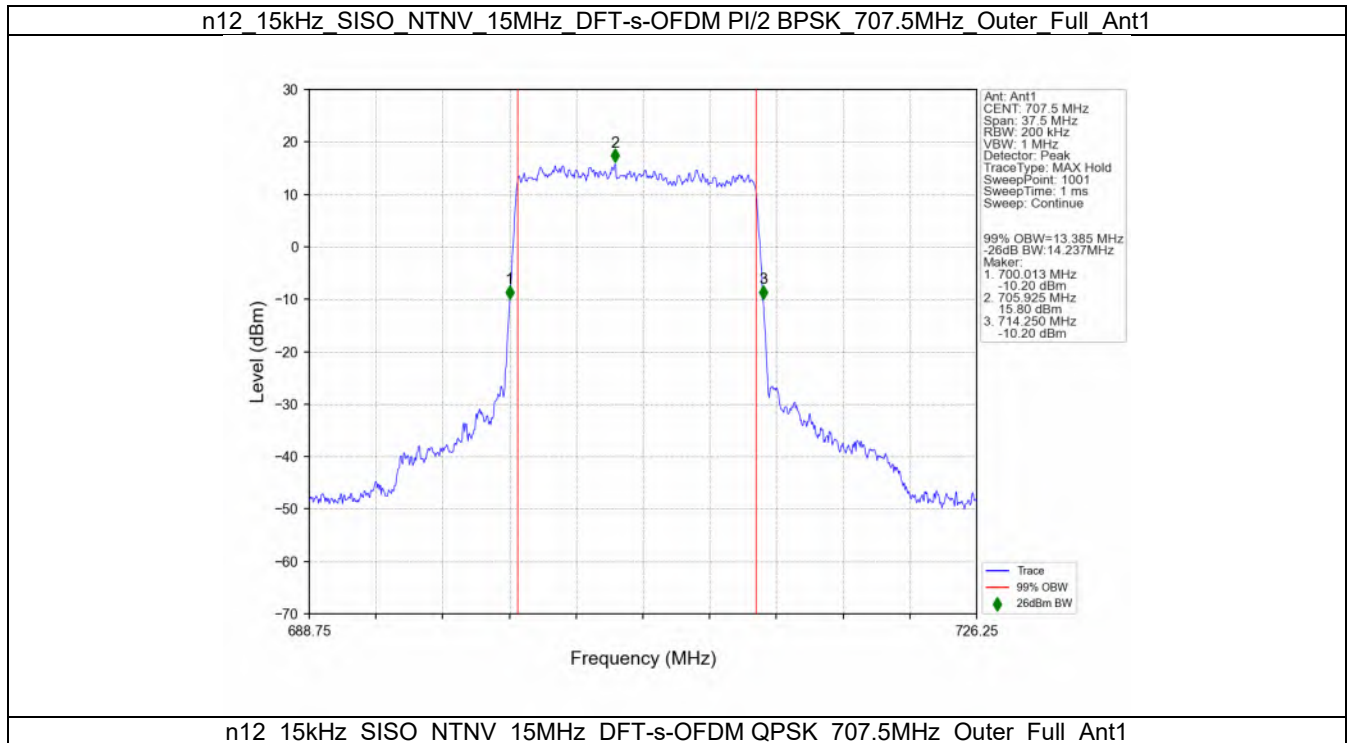
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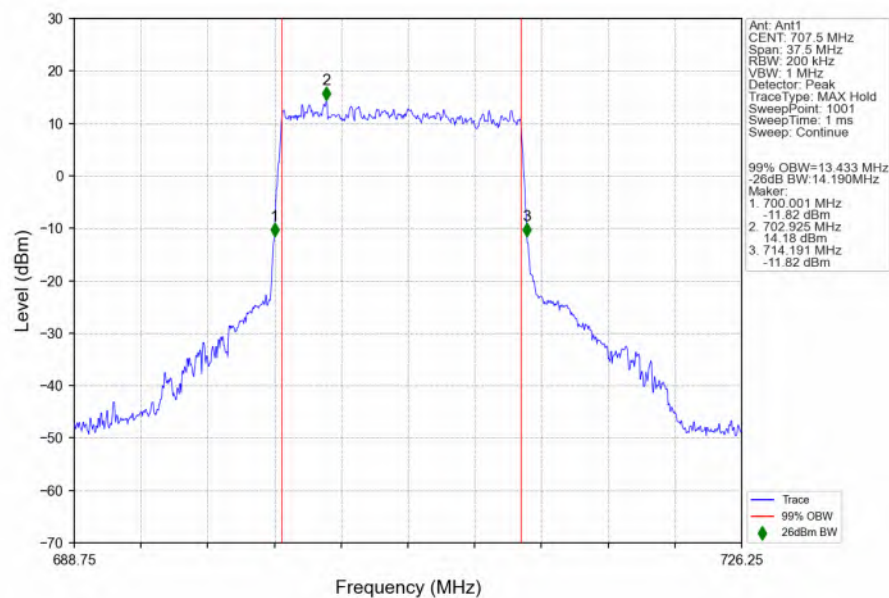


n12_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full_Ant1

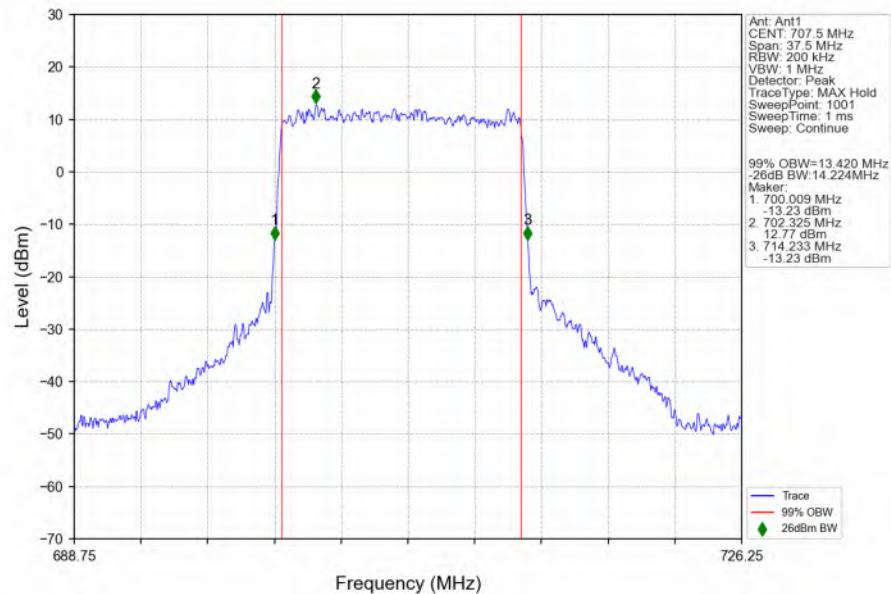


3.2.3 15_S_15M_NTNV

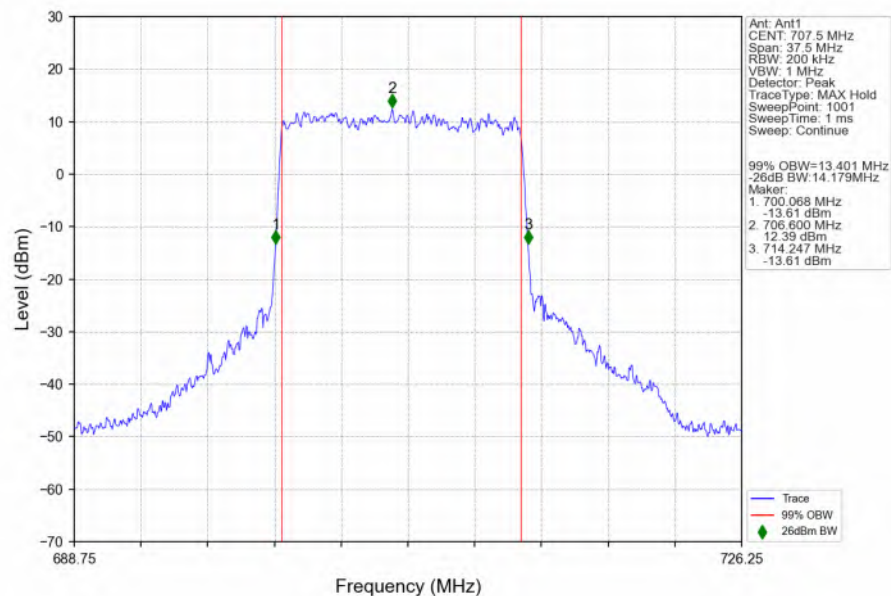




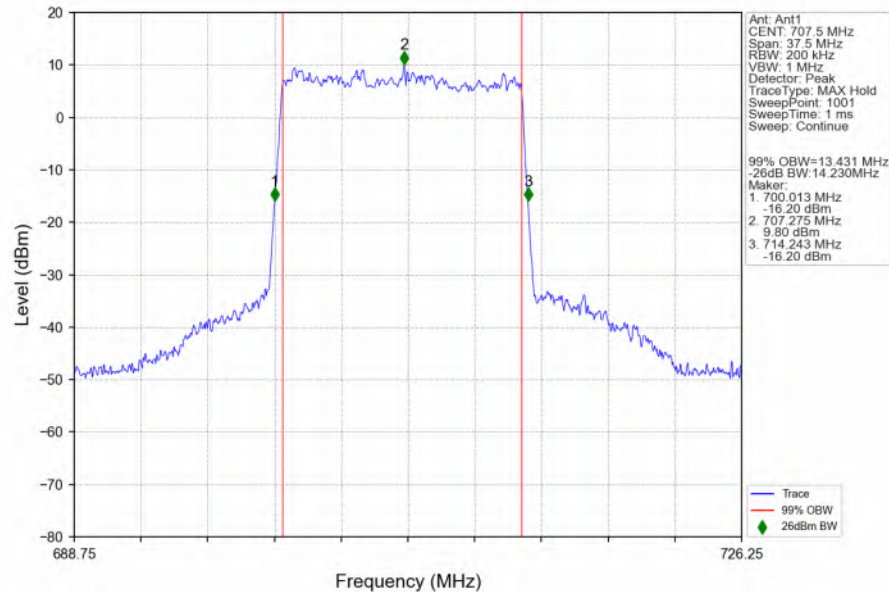
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_707.5MHz_Outer_Full_Ant1



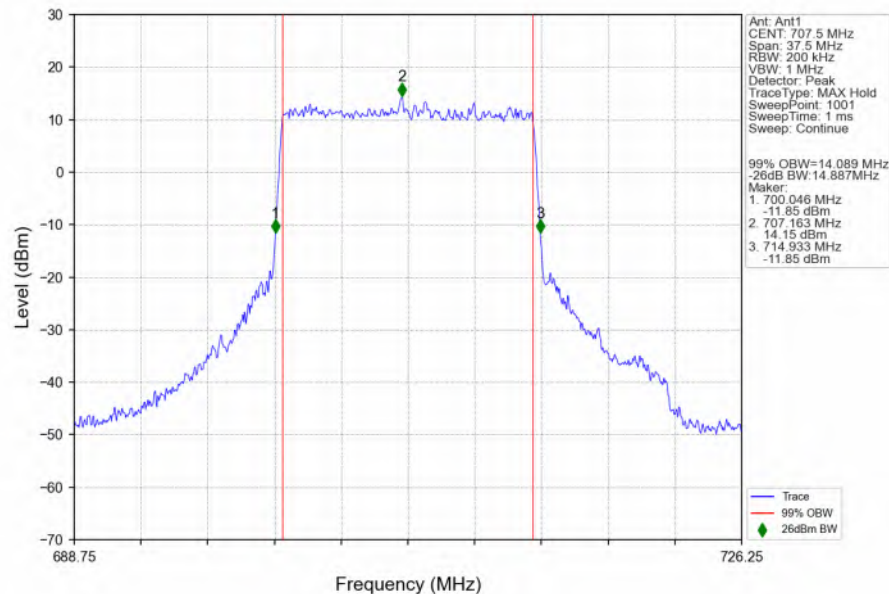
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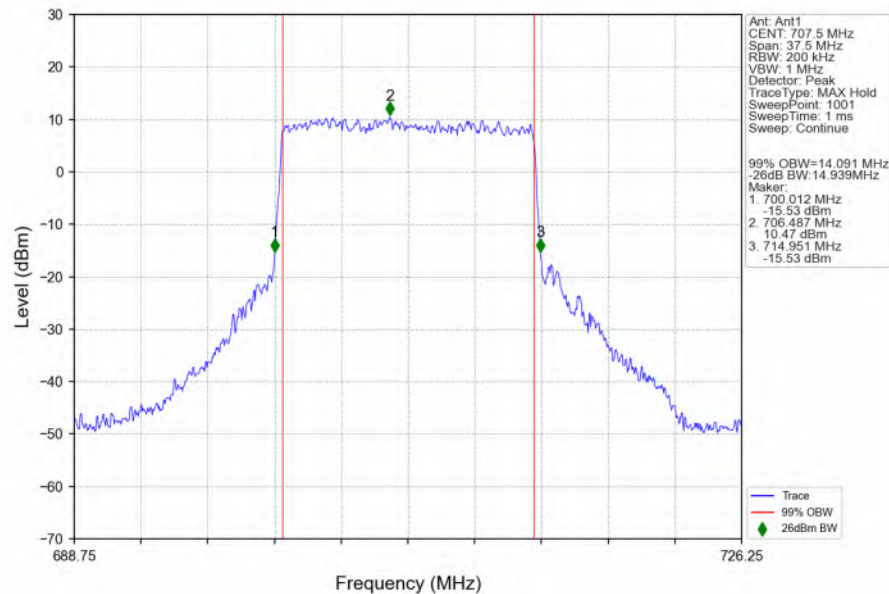
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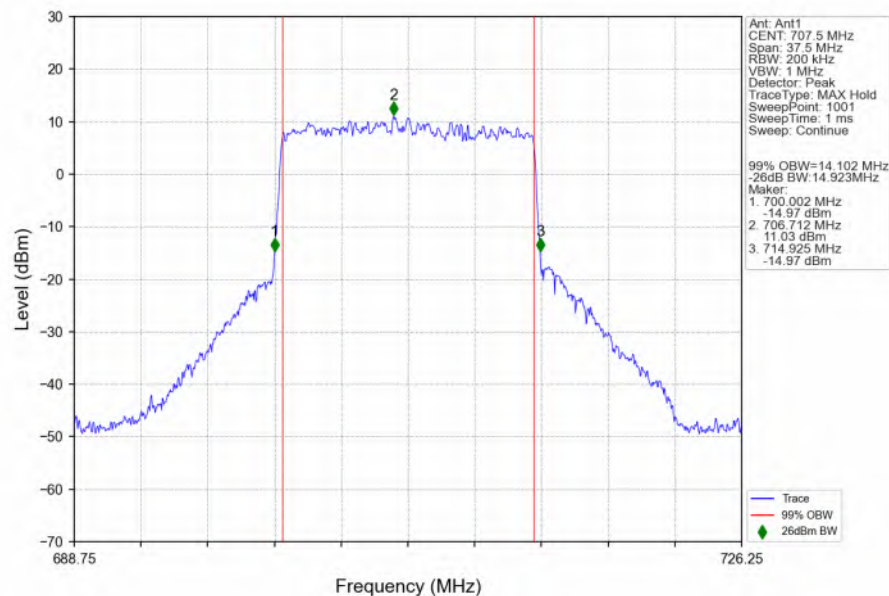
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Outer_Full_Ant1



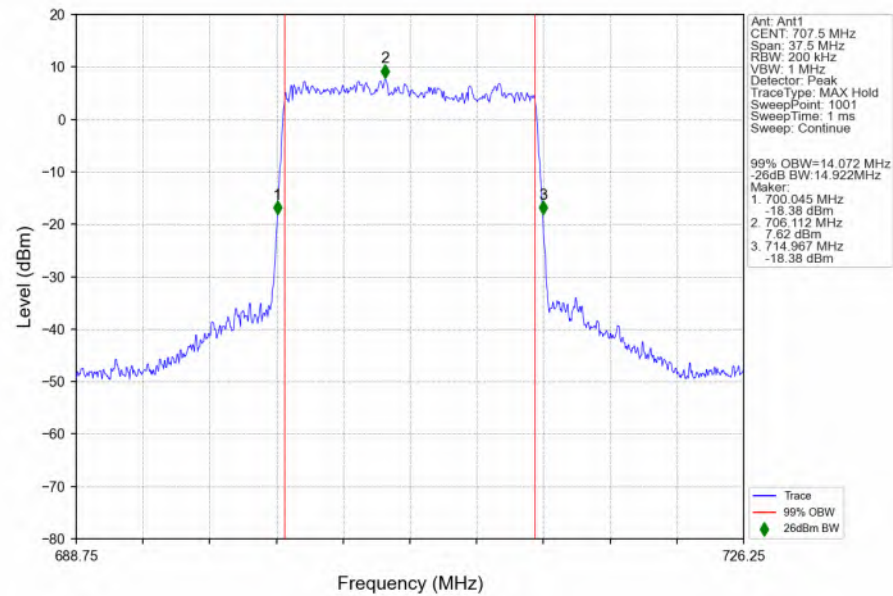
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_707.5MHz_Outer_Full_Ant1



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_707.5MHz_Outer_Full_Ant1



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_707.5MHz_Outer_Full_Ant1





4. Peak-Average Ratio

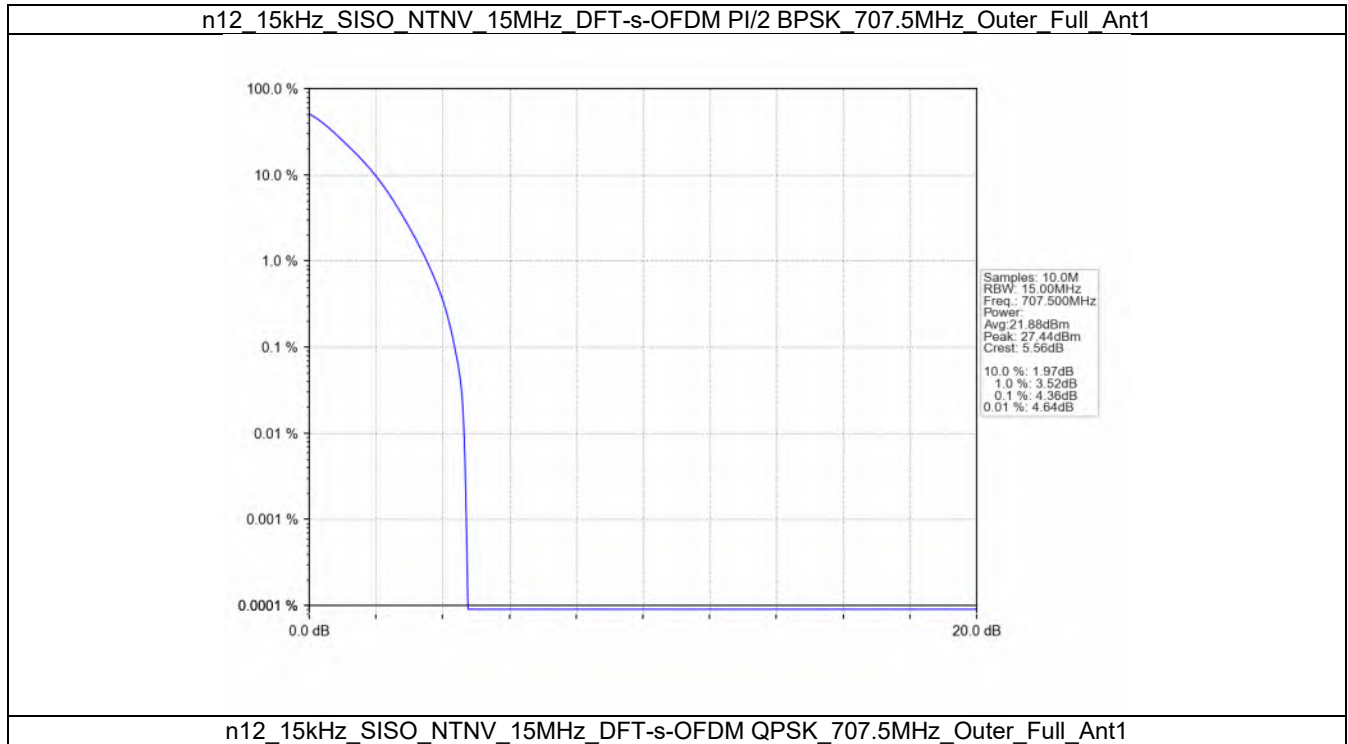
4.1 Test Result

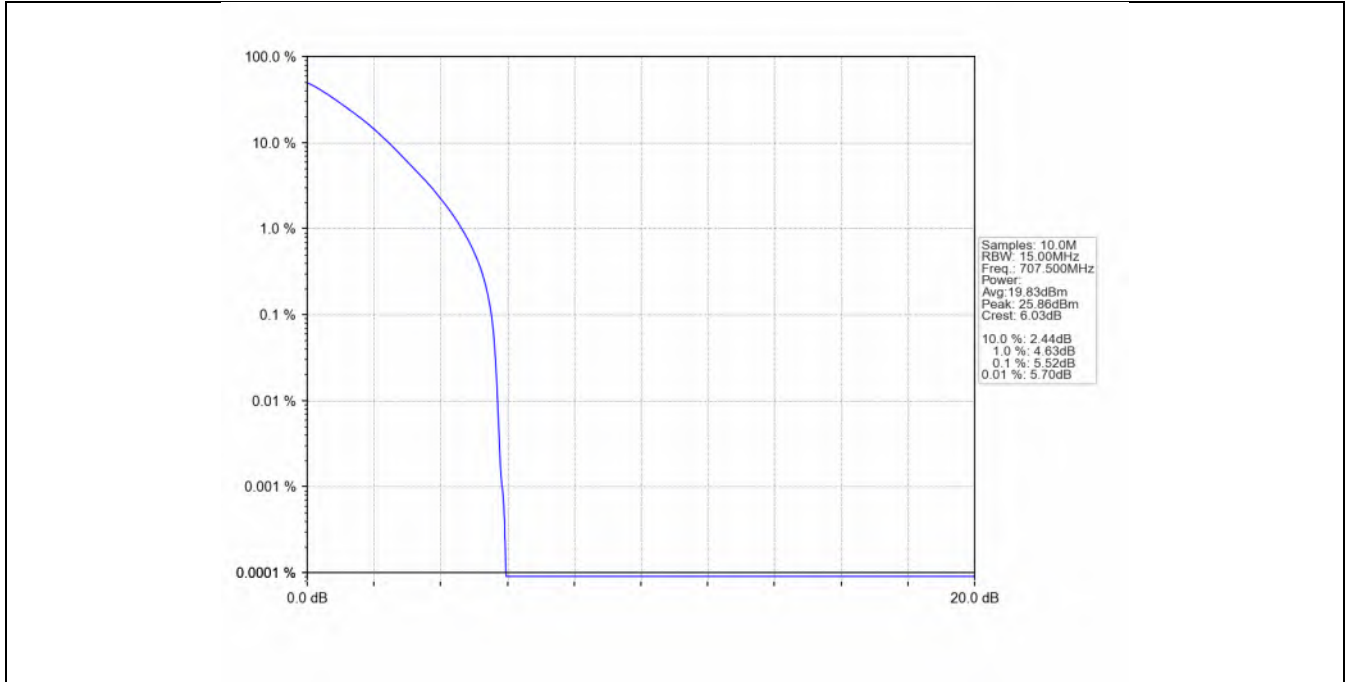
4.1.1 15_S_15M_NTNV

5G NR n12 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	707.5	Outer_Full	4.36	/	/	<=13	Pass
DFT-s-OFDM QPSK	707.5	Outer_Full	5.52	/	/	<=13	Pass
CP-OFDM QPSK	707.5	Outer_Full	7.34	/	/	<=13	Pass

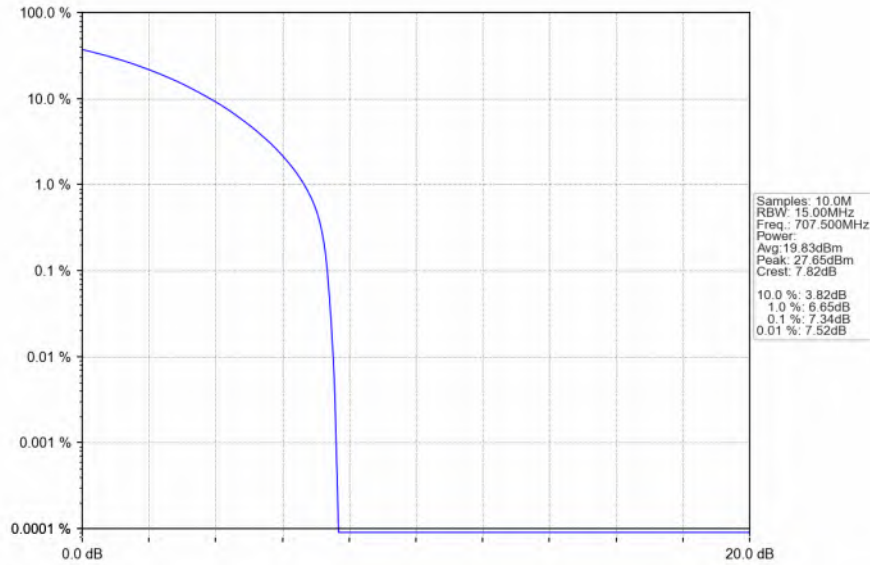
4.2 Test Graph

4.2.1 15_S_15M_NTNV





n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Outer_Full_Ant1





5. Spurious Emission

5.1 Test Result

5.1.1 15_S_5M_NTNV

5G NR n12 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	701.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		713.5	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	DFT-s-OFDM QPSK	701.5	Edge_1RB_Left	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
707.5		Edge_1RB_Left	Refer To Test Graph				Pass
		713.5	Edge_1RB_Right	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
CP-OFDM QPSK		701.5	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		713.5	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass

5.1.2 15_S_10M_NTNV

5G NR n12 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	704	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		711	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	DFT-s-OFDM QPSK	704	Edge_1RB_Left	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
707.5		Edge_1RB_Left	Refer To Test Graph				Pass
		711	Edge_1RB_Right	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
CP-OFDM QPSK		704	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
		711	Edge_1RB_Right	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass



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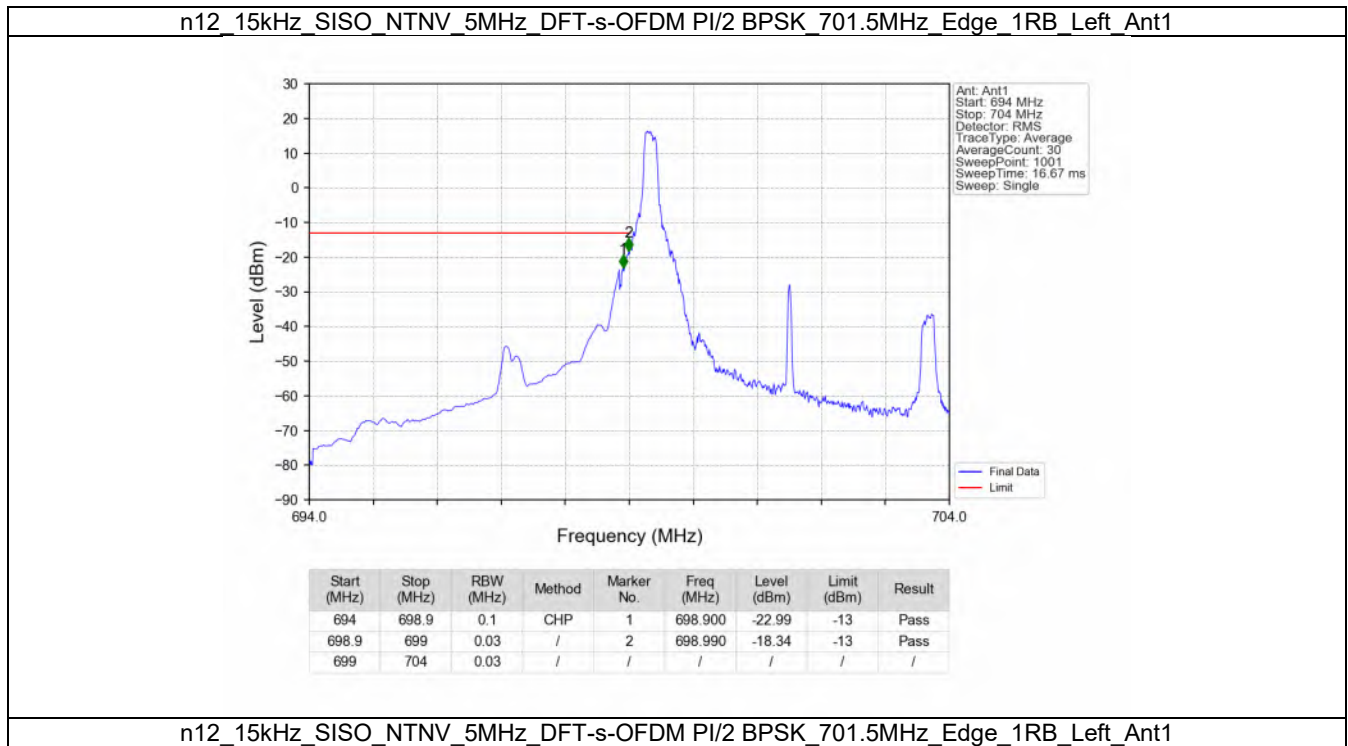
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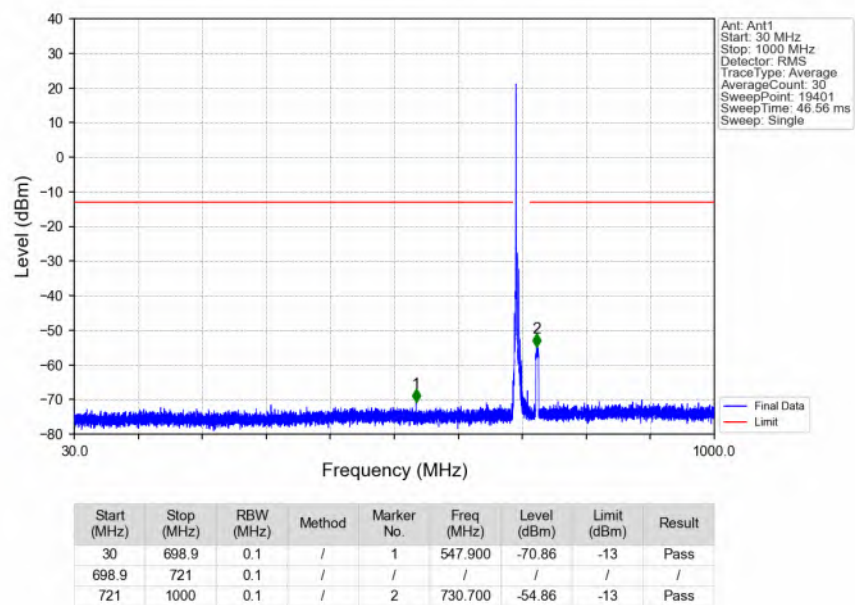
5.1.3 15_S_15M_NTNV

5G NR n12 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	DFT-s-OFDM QPSK	706.5	Edge_1RB_Left	Refer To Test Graph			
Outer_Full			Refer To Test Graph				Pass
707.5		Edge_1RB_Left	Refer To Test Graph				Pass
708.5		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK		706.5	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

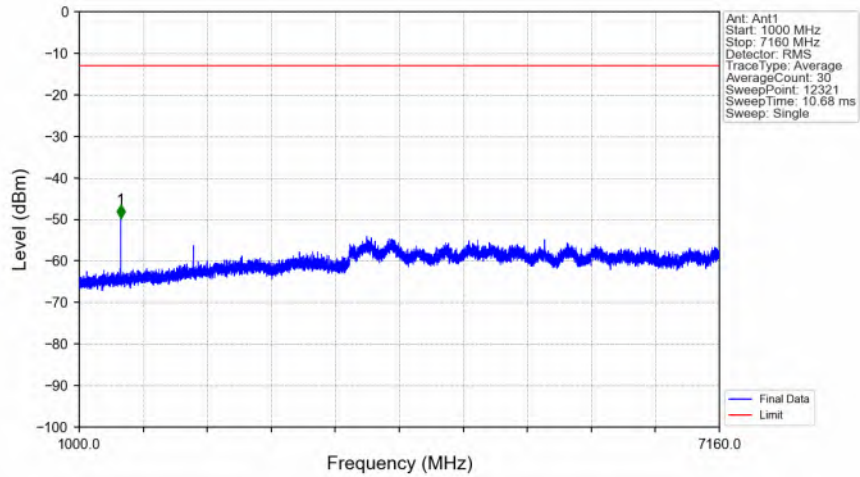
5.2 Test Graph

5.2.1 15_S_5M_NTNV



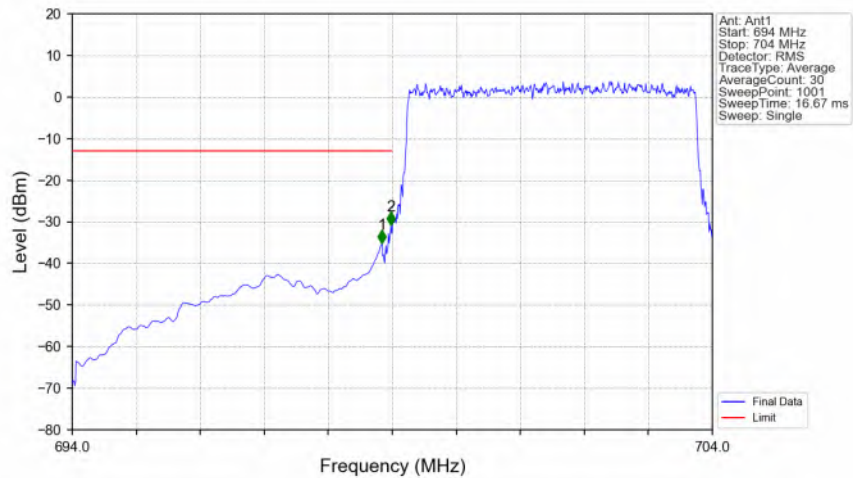


n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK 701.5MHz_Edge_1RB_Left_Ant1



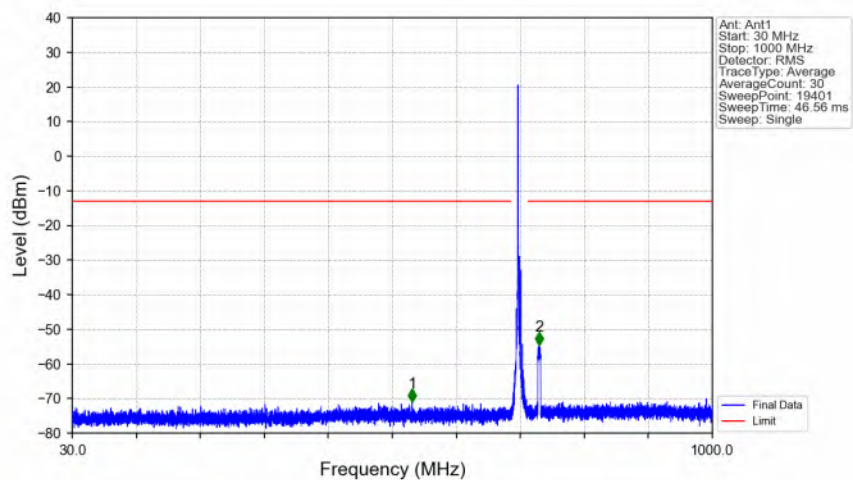
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1398.500	-49.68	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK 701.5MHz_Outer_Full_Ant1

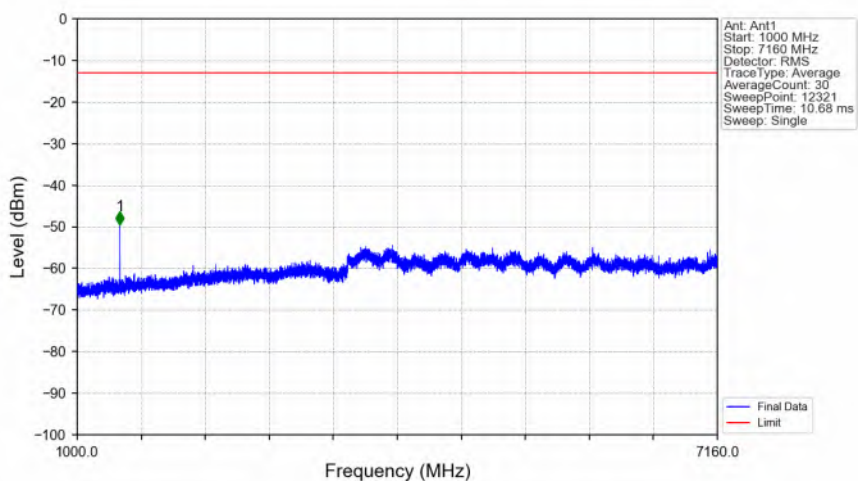


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-35.10	-13	Pass
698.9	699	0.03	/	2	698.980	-30.68	-13	Pass
699	704	0.03	/	/	/	/	/	/

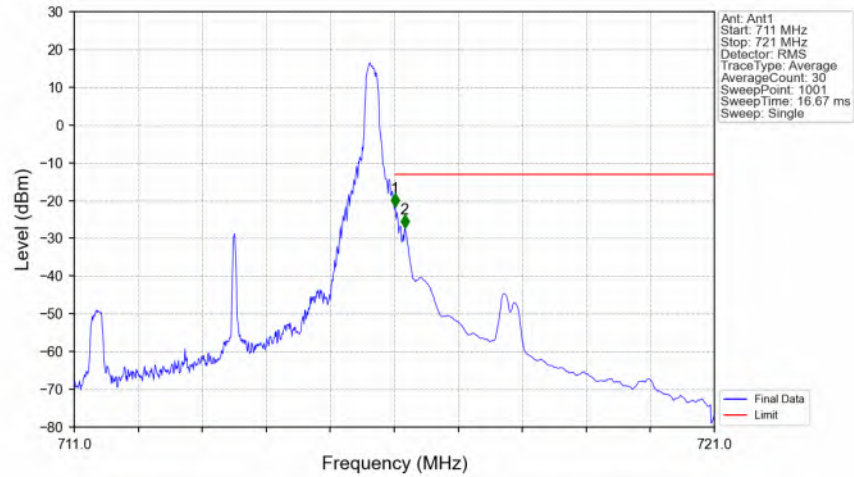
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Edge_1RB_Left_Ant1



n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Edge_1RB_Left_Ant1

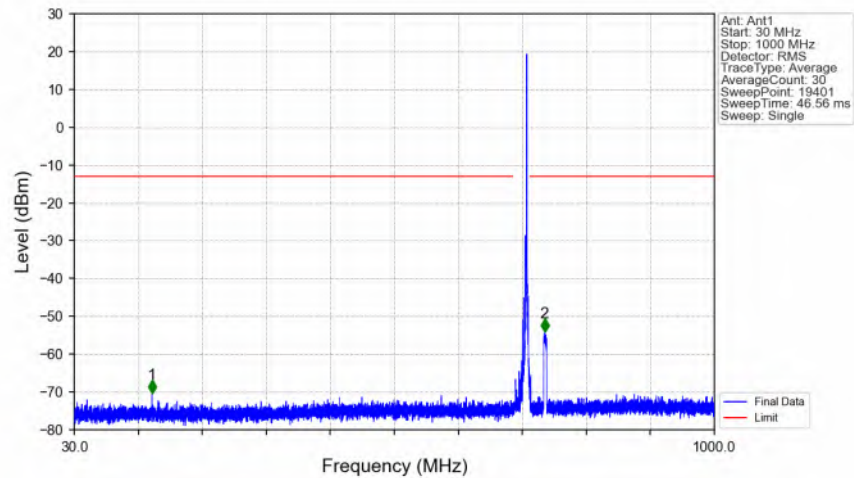


n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_713.5MHz_Edge_1RB_Right_Ant1



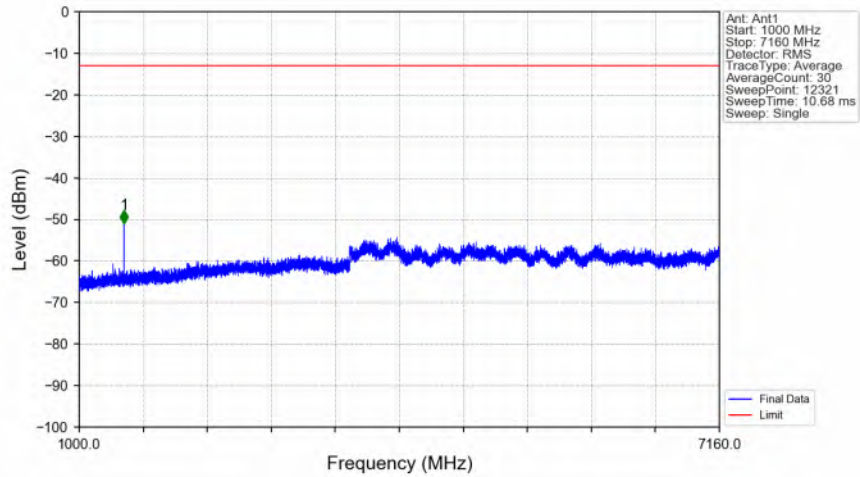
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-21.59	-13	Pass
716.1	721	0.1	CHP	2	716.160	-27.29	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_713.5MHz_Edge_1RB_Right_Ant1

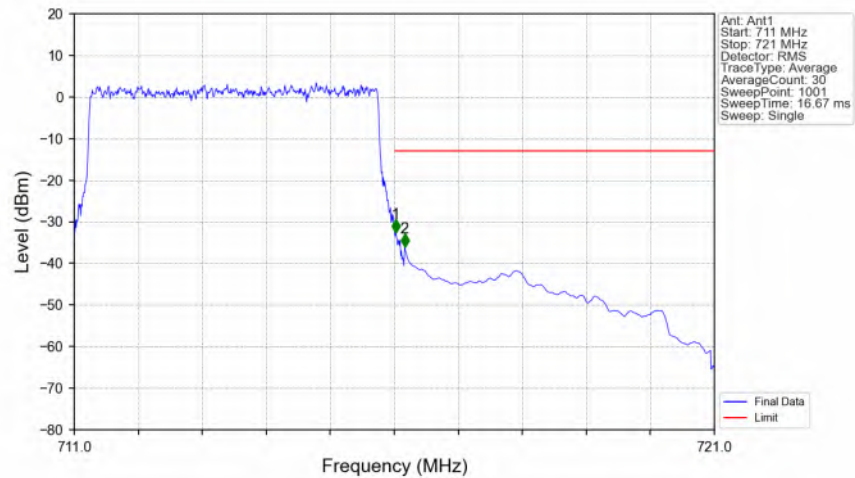


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	147.750	-70.36	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	742.800	-54.15	-13	Pass

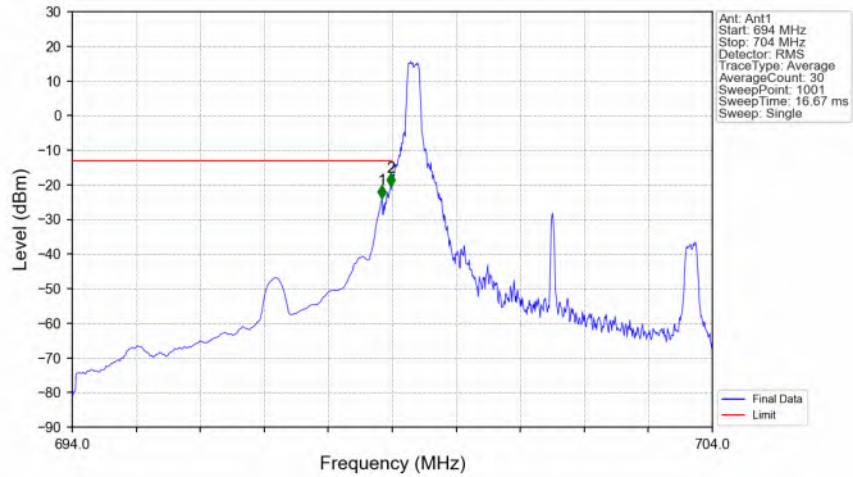
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Edge_1RB_Right_Ant1



n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Outer_Full_Ant1

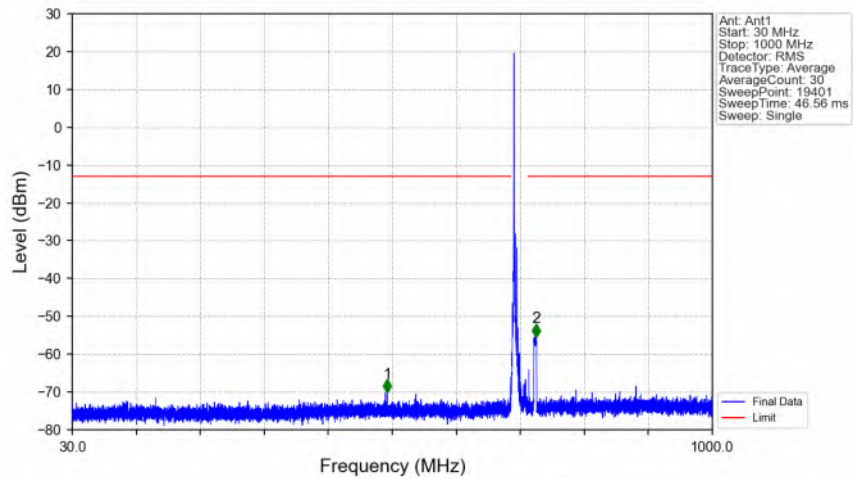


n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant1



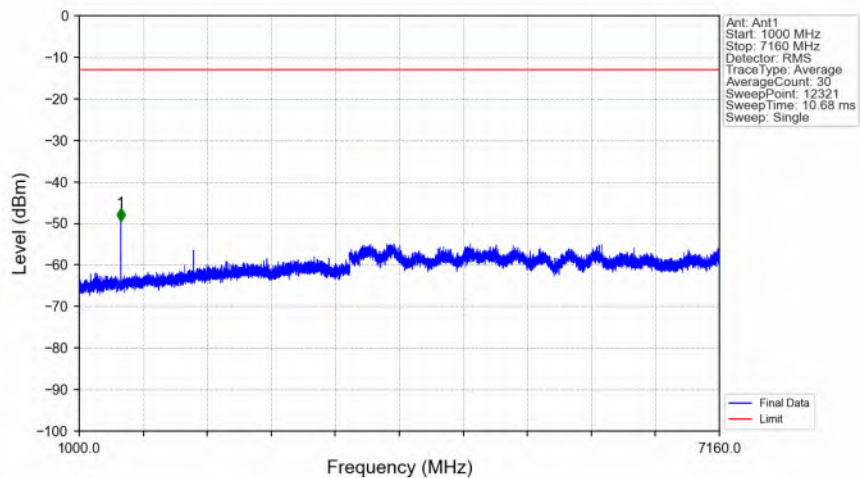
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-23.94	-13	Pass
698.9	699	0.03	/	2	698.980	-20.36	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant1



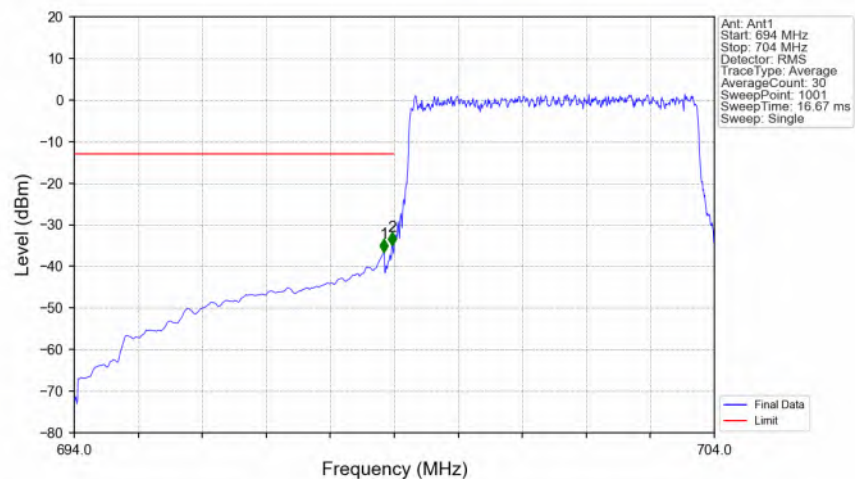
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	507.050	-70.07	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	732.750	-55.40	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Edge_1RB_Left_Ant1



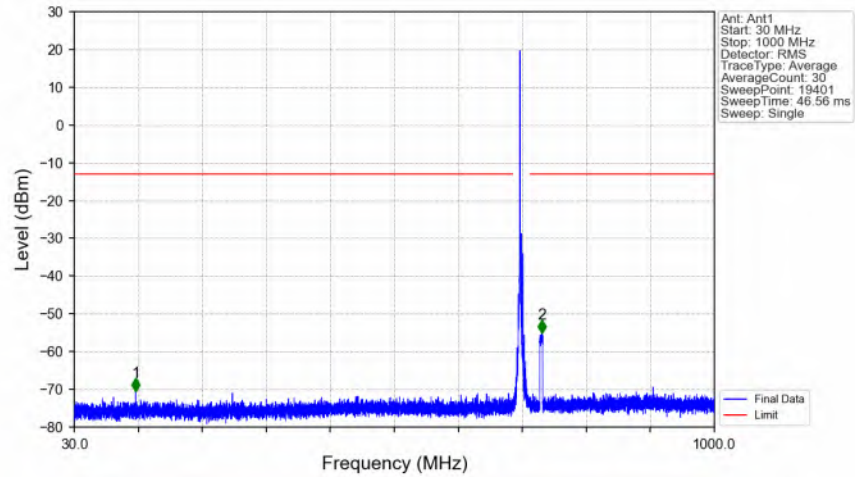
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1398.500	-49.41	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Outer_Full_Ant1



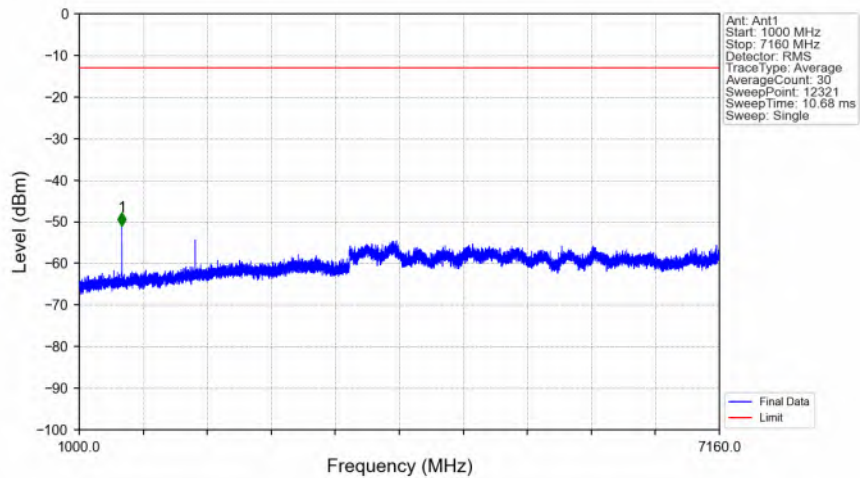
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-36.55	-13	Pass
698.9	699	0.03	/	2	698.970	-34.89	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1



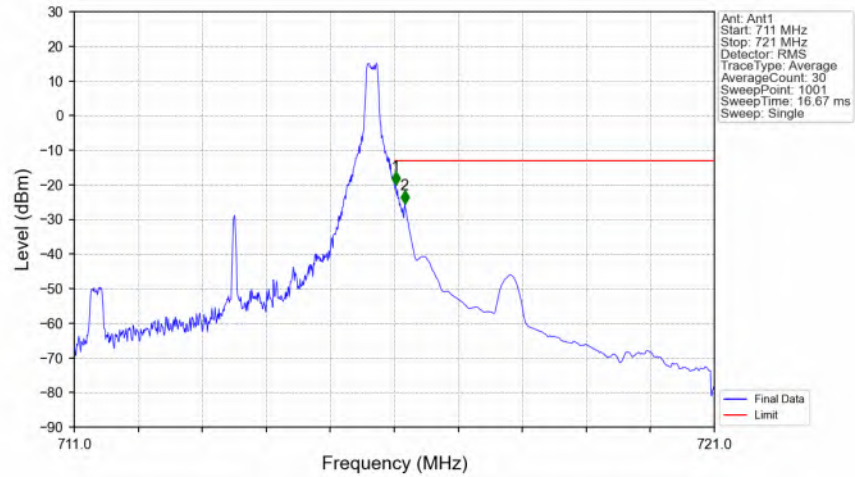
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	123.150	-70.51	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	738.600	-55.08	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1



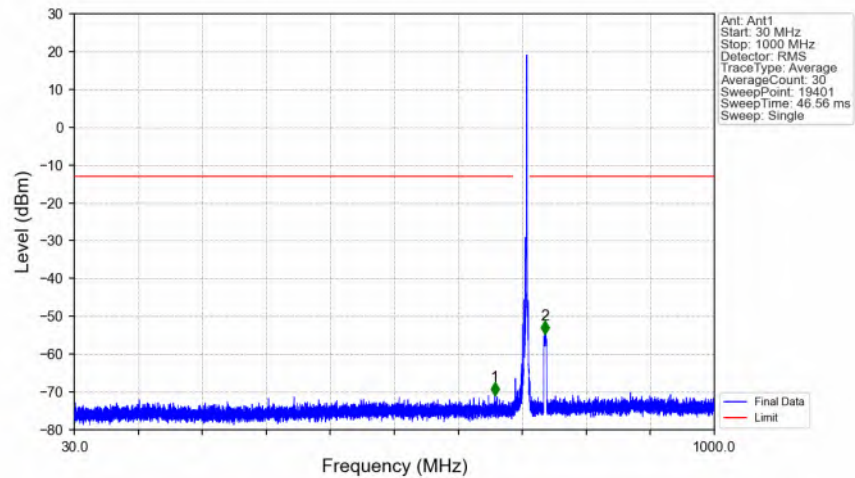
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1410.500	-50.99	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Edge_1RB_Ant1



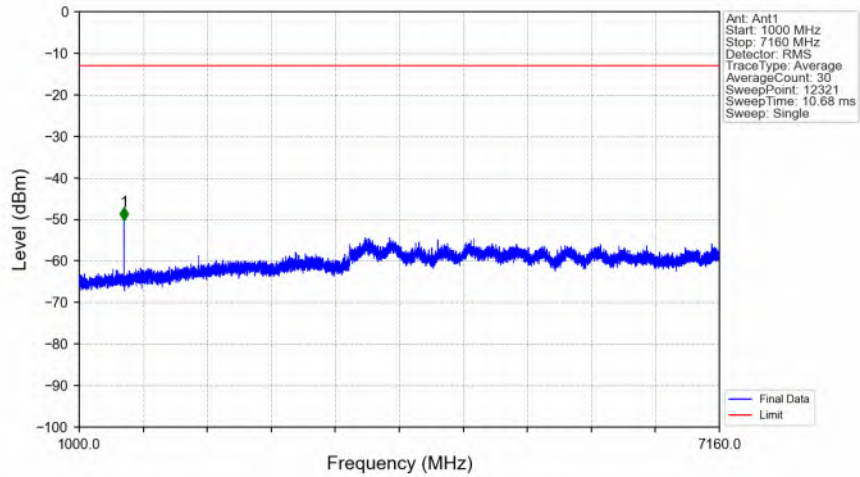
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-19.94	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.55	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Edge_1RB_Ant1



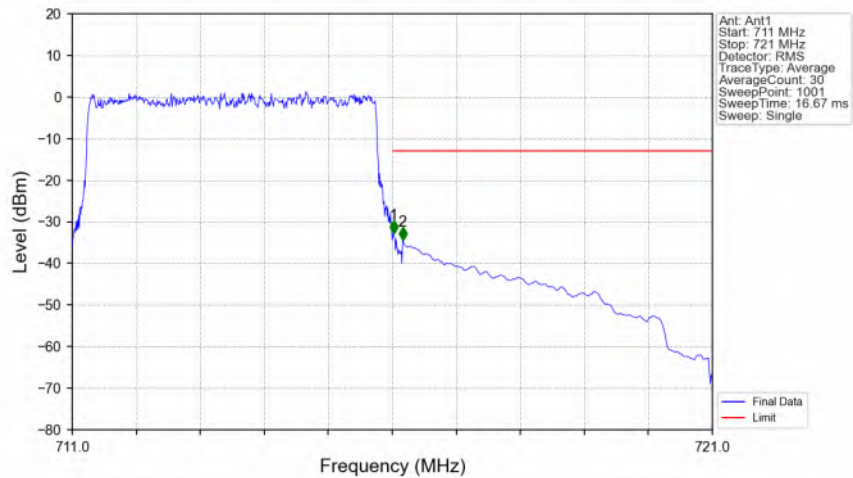
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	667.350	-70.92	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	743.350	-54.60	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant1



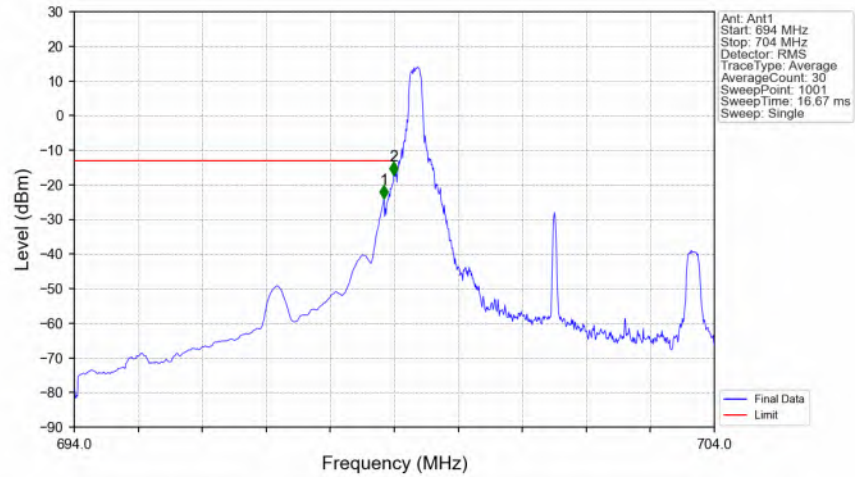
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1431.500	-50.24	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Outer_Full_Ant1



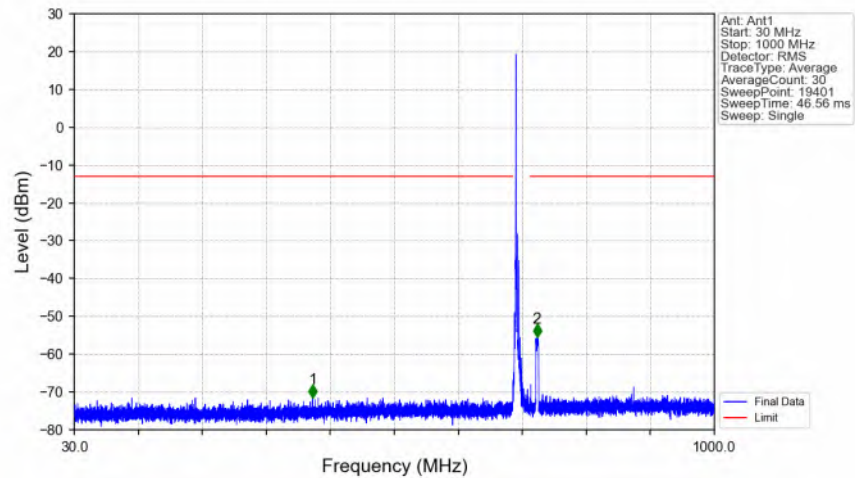
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-32.81	-13	Pass
716.1	721	0.1	CHP	2	716.160	-34.43	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant1



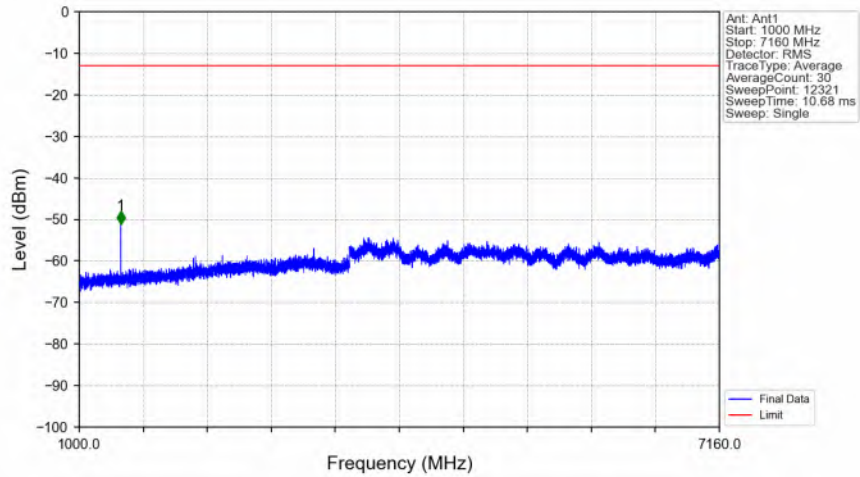
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-23.93	-13	Pass
698.9	699	0.03	/	2	698.990	-17.05	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_701.5MHz_Edge_1RB_Left_Ant1



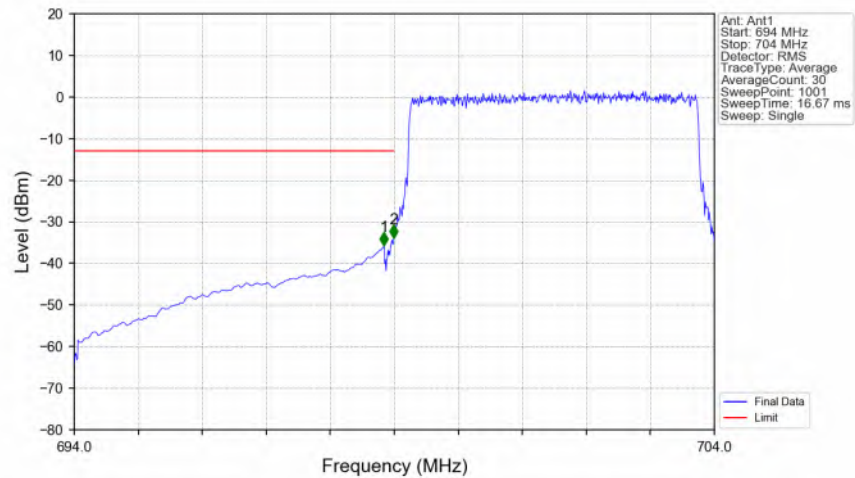
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	391.250	-71.45	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	731.250	-55.57	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_701.5MHz_Edge_1RB_Left_Ant1



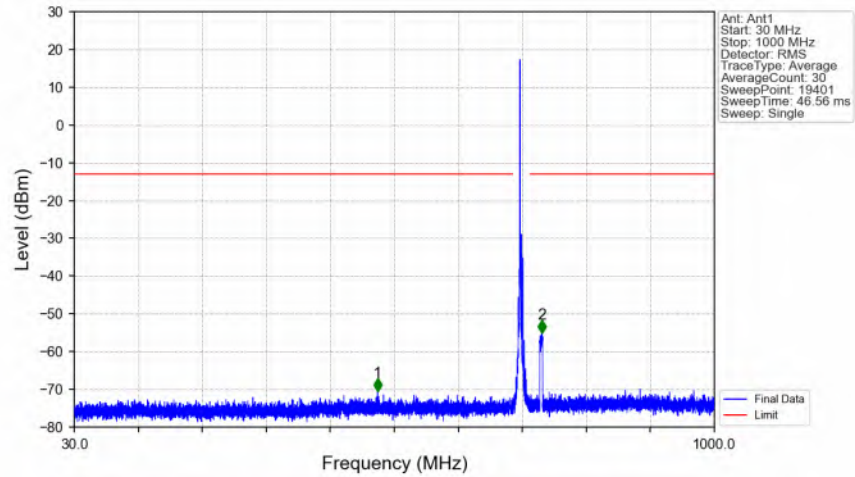
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1398.500	-51.17	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_701.5MHz_Outer_Full_Ant1



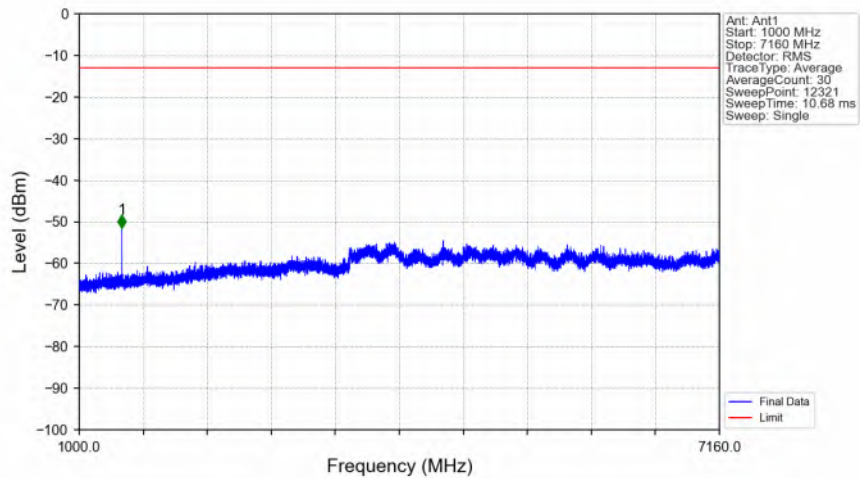
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-35.76	-13	Pass
698.9	699	0.03	/	2	698.990	-33.81	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1



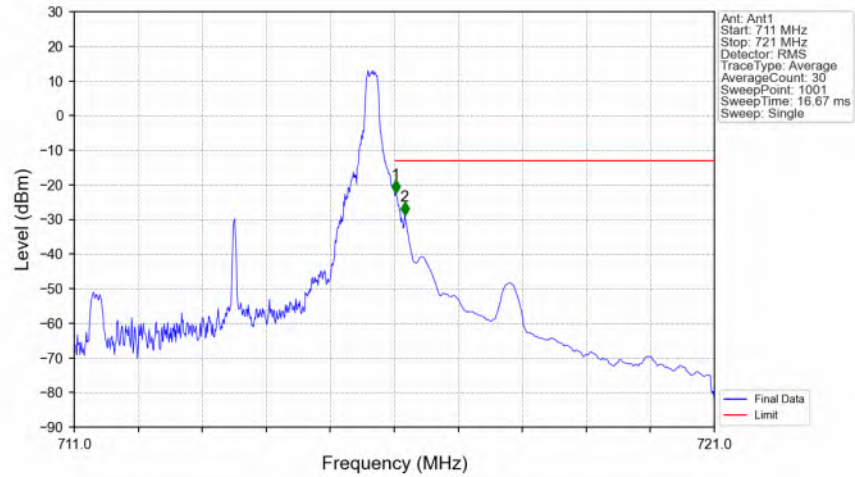
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	489.550	-70.57	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	738.350	-55.03	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1



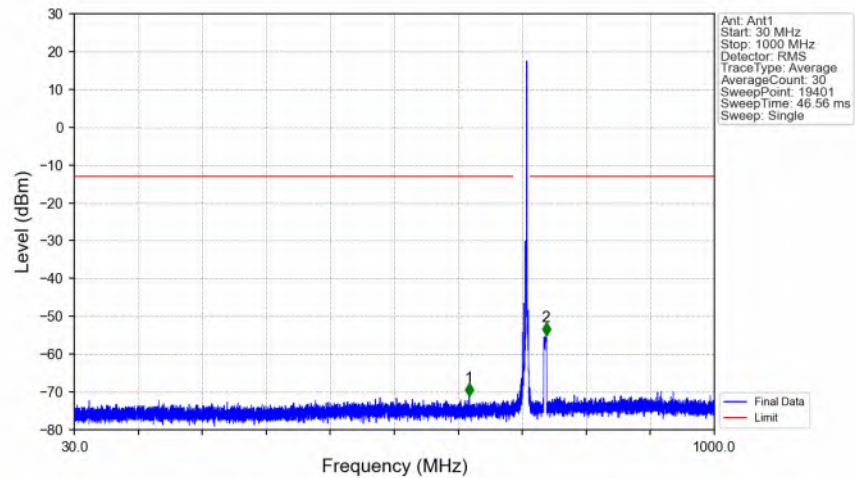
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1410.500	-51.46	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant1



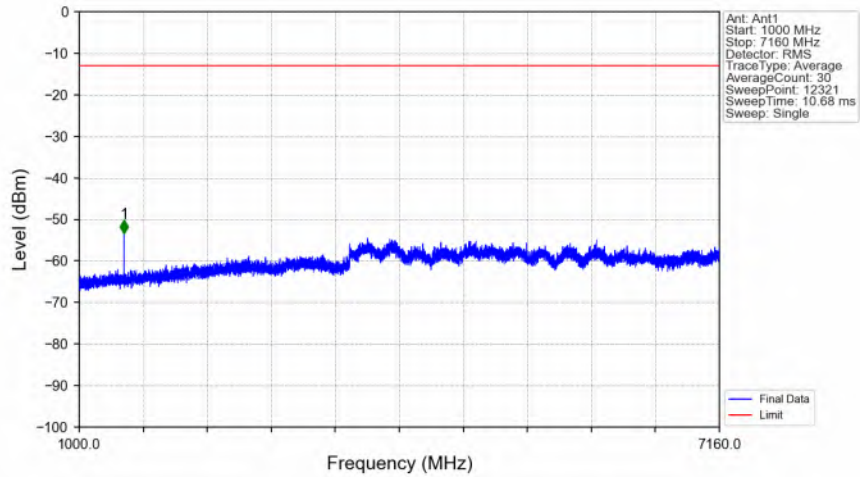
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-22.31	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.76	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant1



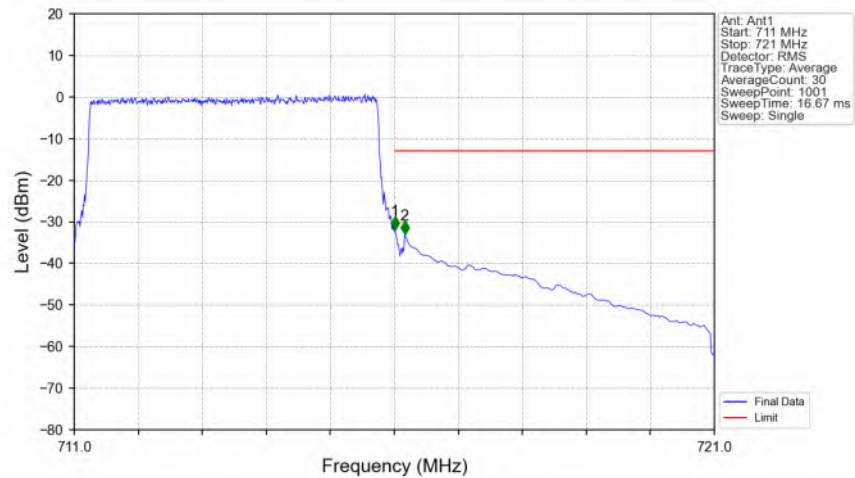
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	628.500	-71.10	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	744.950	-55.09	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right_Ant1



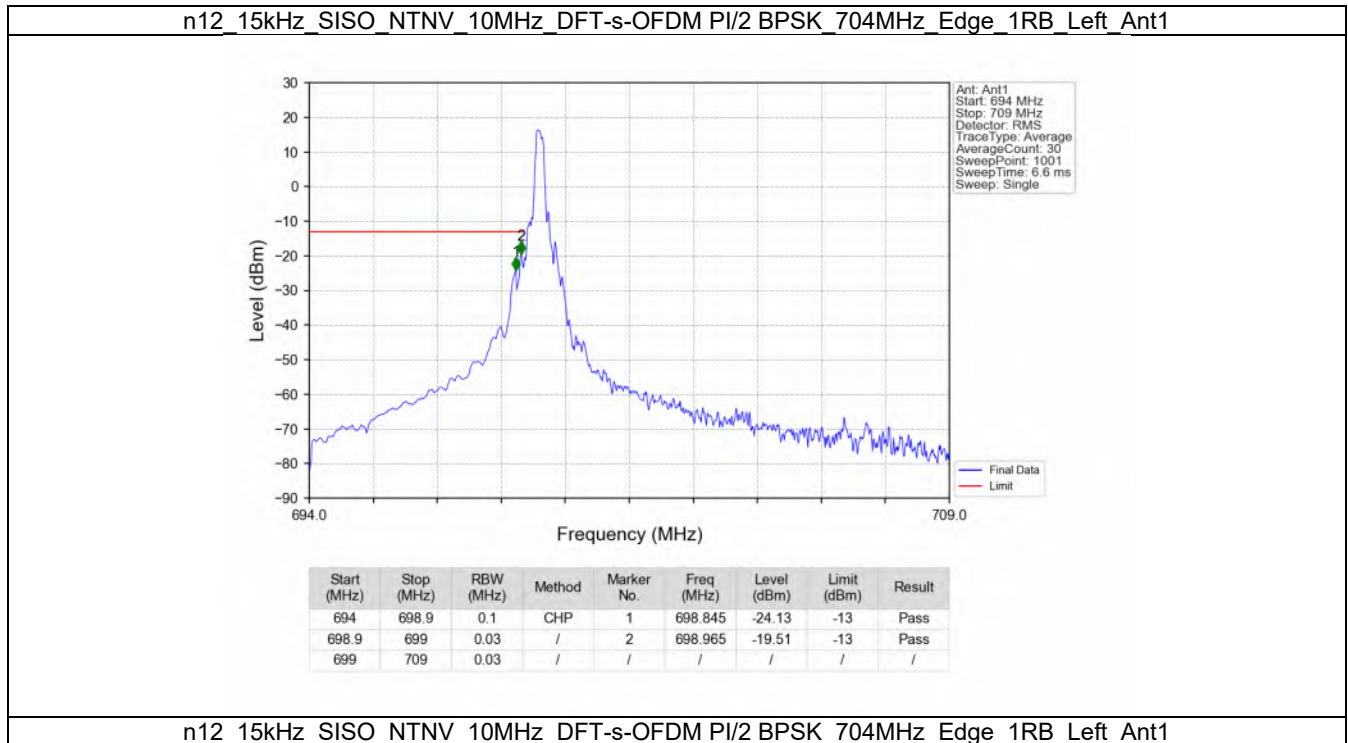
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1431.500	-53.23	-13	Pass

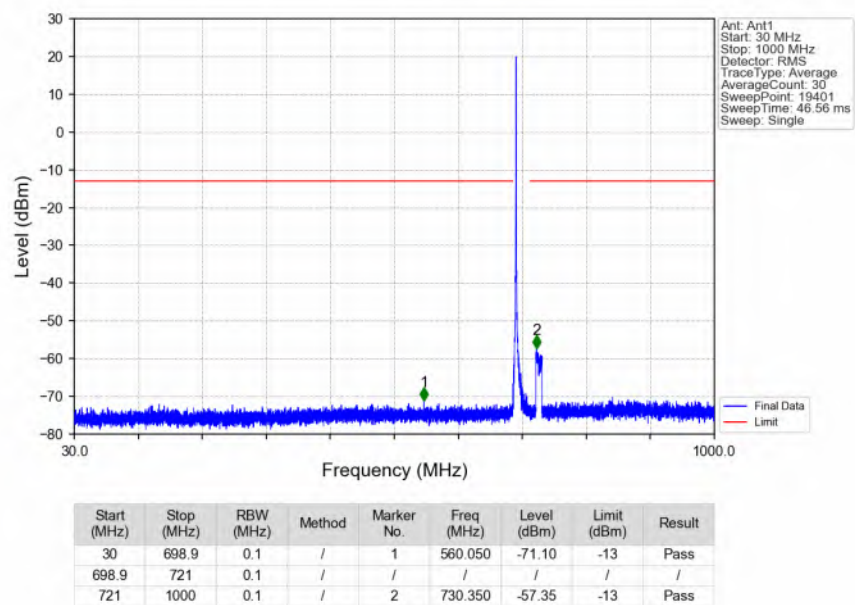
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Outer_Full_Ant1



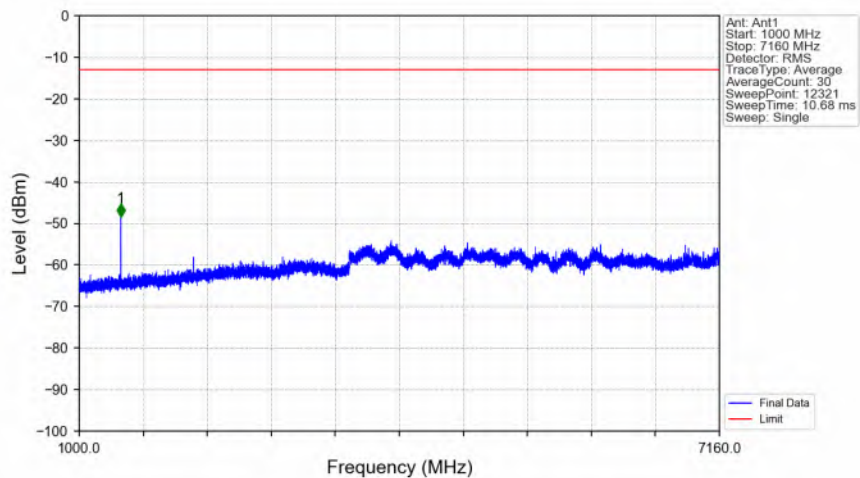
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-31.89	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.03	-13	Pass

5.2.2 15_S_10M_NTNV



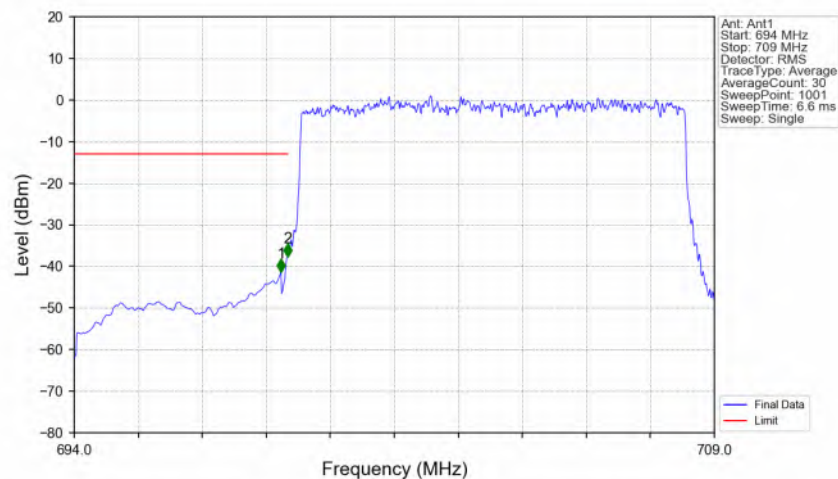


n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Edge_1RB_Left_Ant1



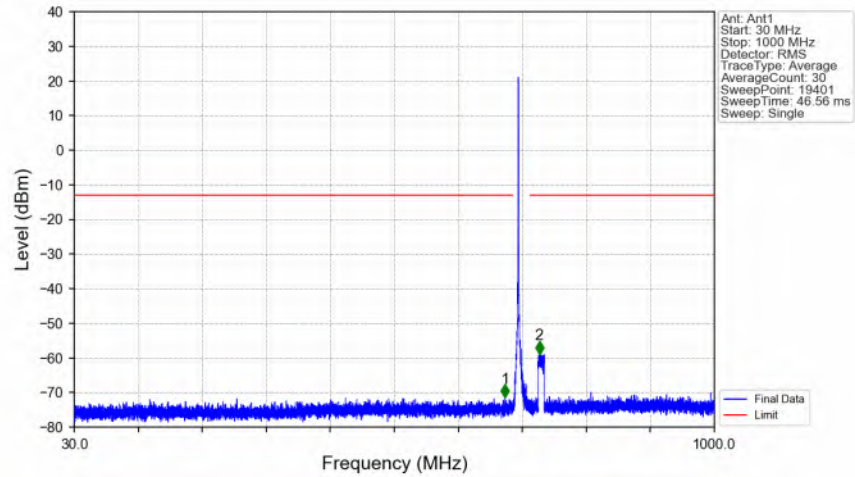
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1399.000	-48.34	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Outer_Full_Ant1



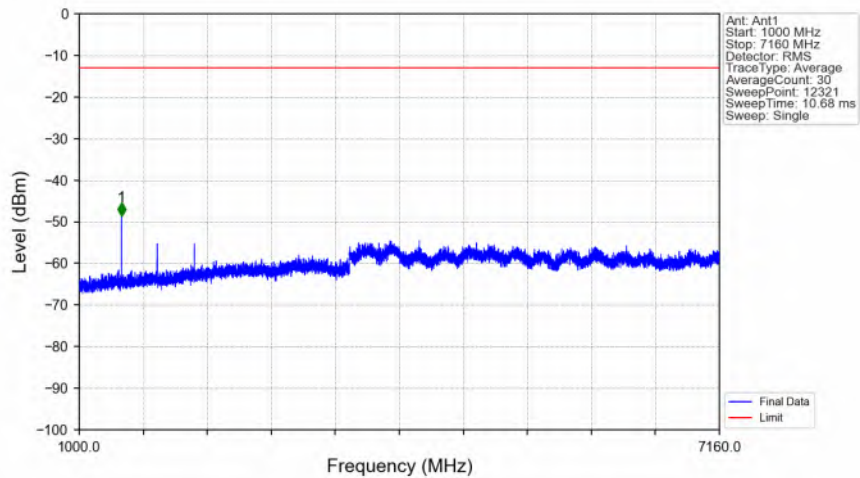
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-41.31	-13	Pass
698.9	699	0.03	/	2	698.995	-37.75	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Edge_1RB_Left_Ant1



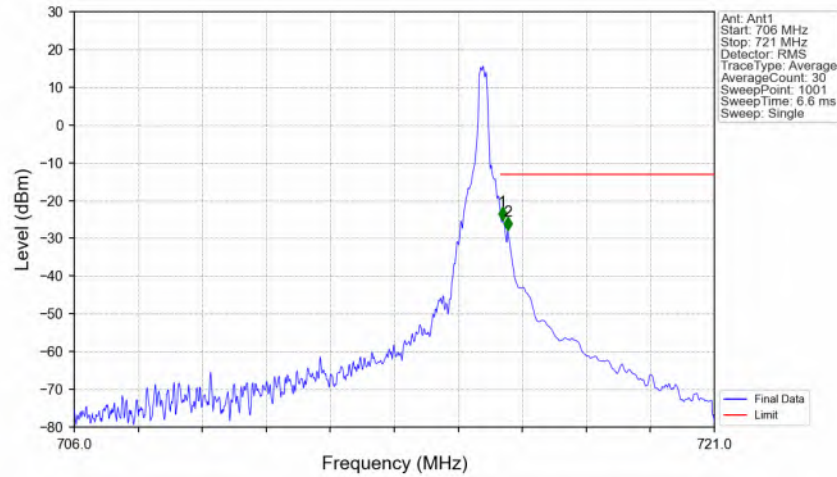
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	682.850	-71.39	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	734.650	-58.84	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Edge_1RB_Left_Ant1



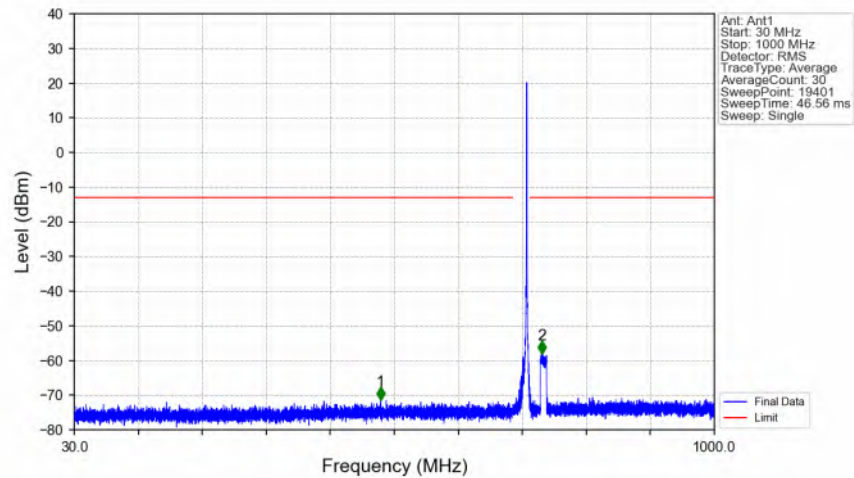
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1406.000	-48.56	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Edge_1RB_Right_Ant1



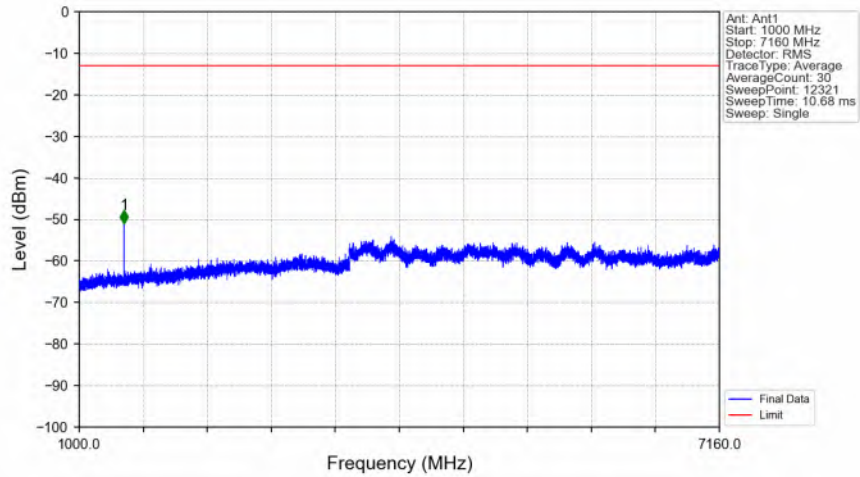
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.035	-25.33	-13	Pass
716.1	721	0.1	CHP	2	716.155	-27.83	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Edge_1RB_Right_Ant1



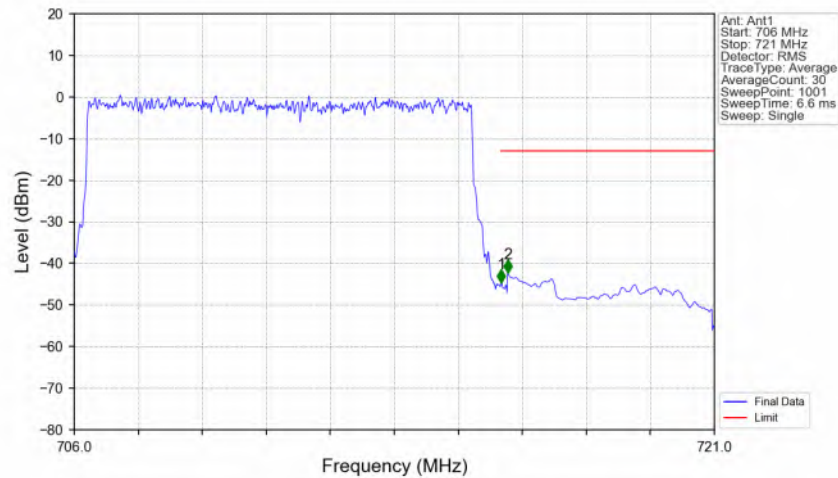
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	494.100	-71.42	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	738.250	-57.99	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Edge_1RB_Right_Ant1



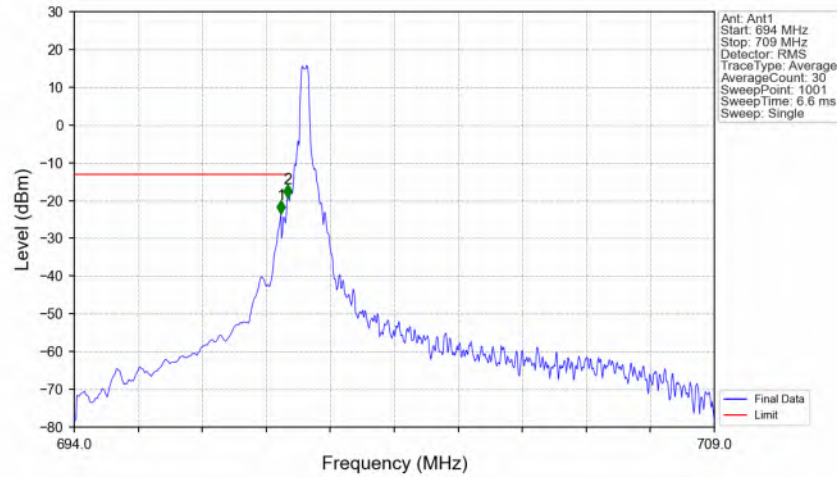
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1431.000	-50.96	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Outer_Full_Ant1



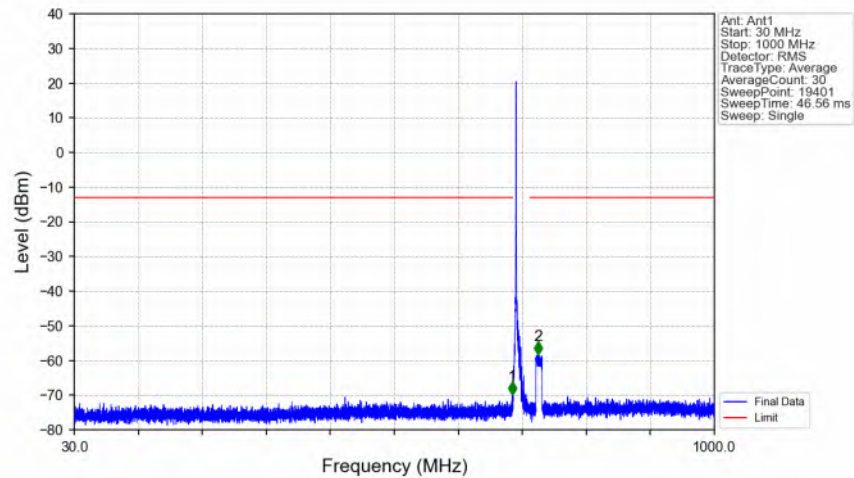
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-44.65	-13	Pass
716.1	721	0.1	CHP	2	716.155	-42.18	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Edge_1RB_Left_Ant1



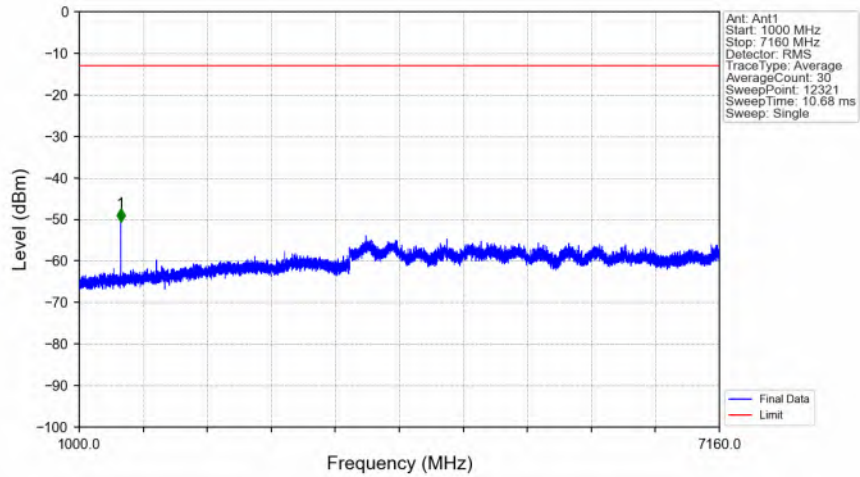
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-23.36	-13	Pass
698.9	699	0.03	/	2	698.995	-19.30	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Edge_1RB_Left_Ant1



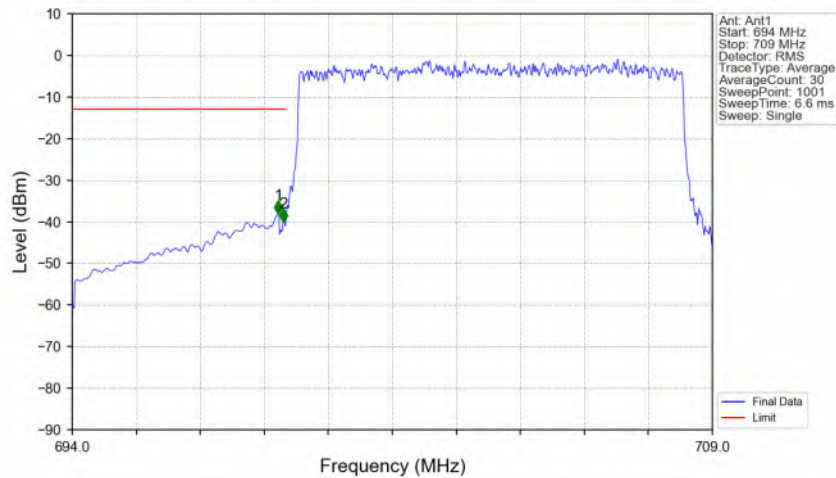
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	693.500	-69.89	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	733.150	-58.36	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Edge_1RB_Left_Ant1



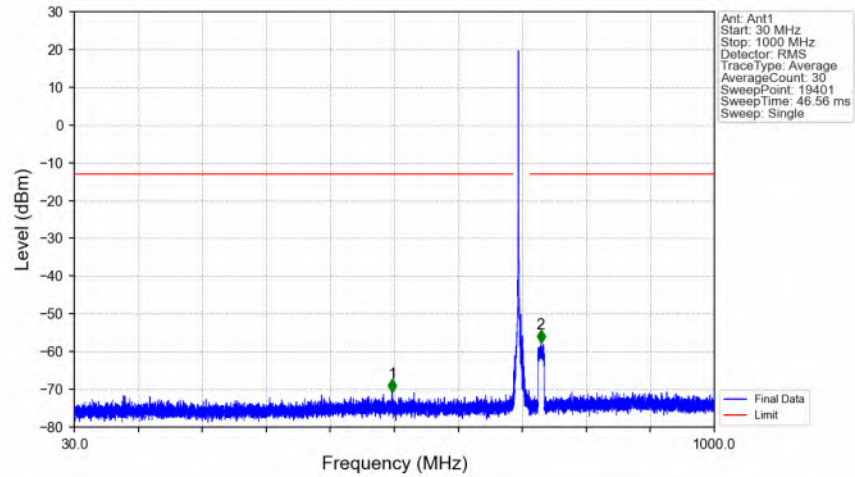
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1398.500	-50.60	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Outer_Full_Ant1



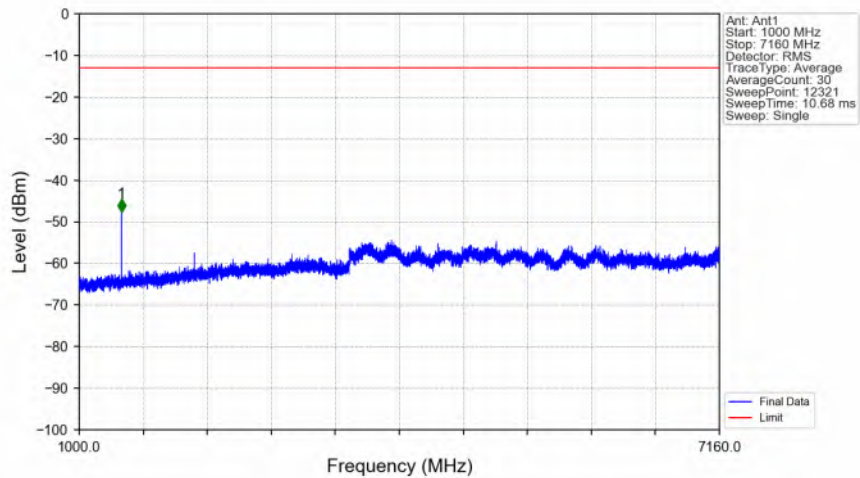
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.830	-37.96	-13	Pass
698.9	699	0.03	/	2	698.950	-39.97	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1



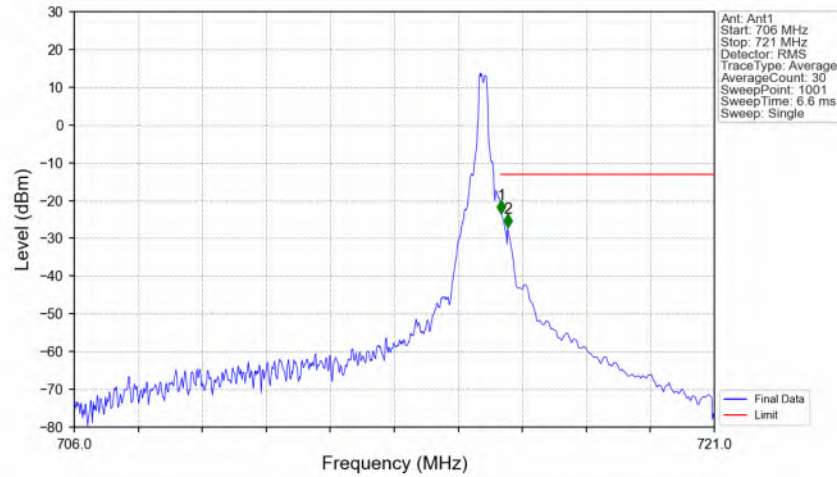
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	511.650	-70.64	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	736.950	-57.71	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1



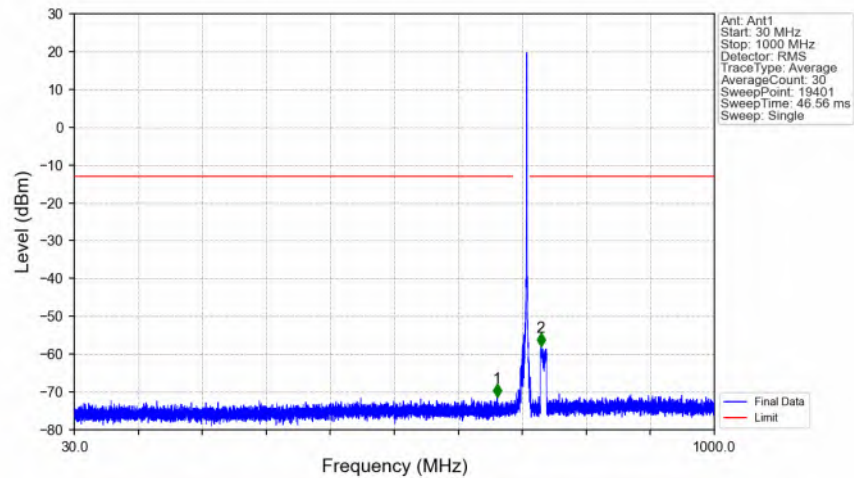
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1406.000	-47.62	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Edge_1RB_Right_Ant1



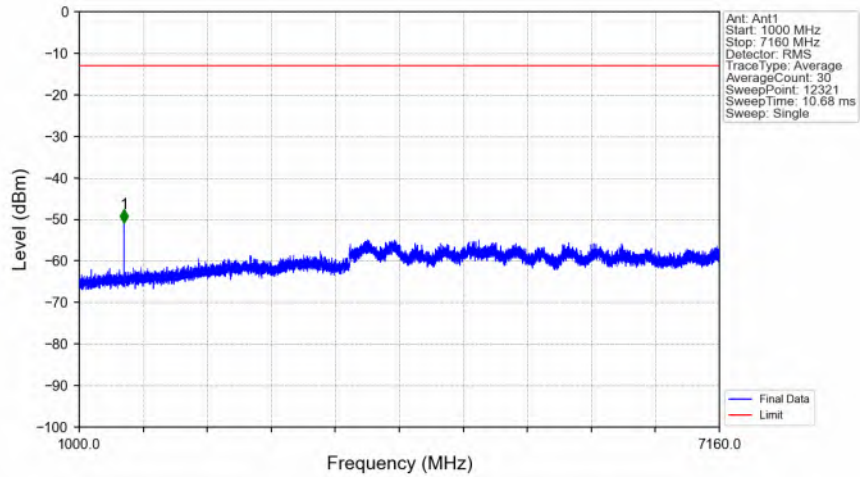
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-23.43	-13	Pass
716.1	721	0.1	CHP	2	716.155	-27.14	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Edge_1RB_Right_Ant1



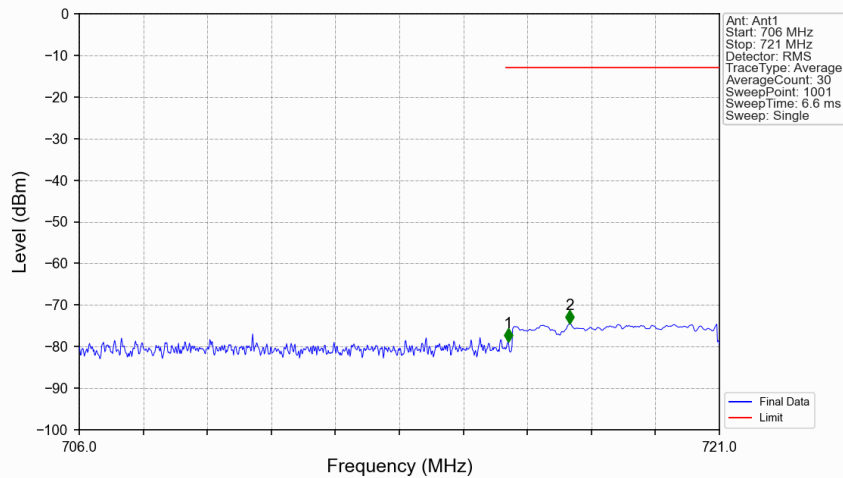
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	670.900	-71.25	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	736.950	-57.92	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Edge_1RB_Right_Ant1



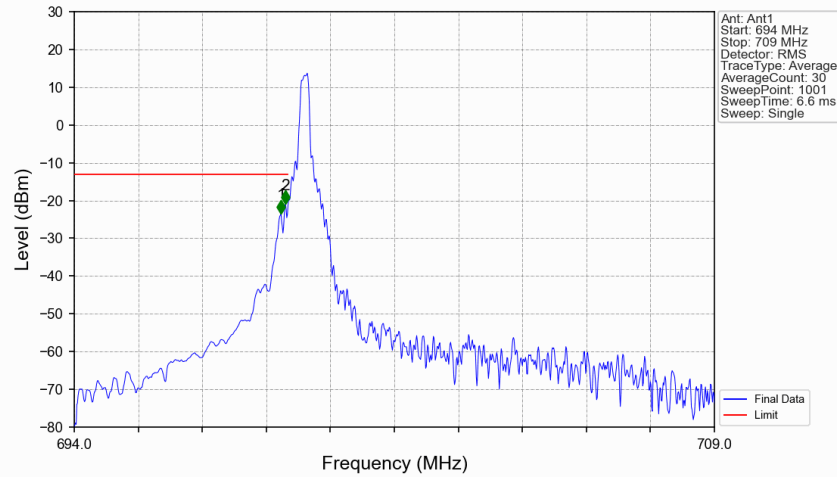
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1431.000	-50.78	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Outer_Full_Ant1



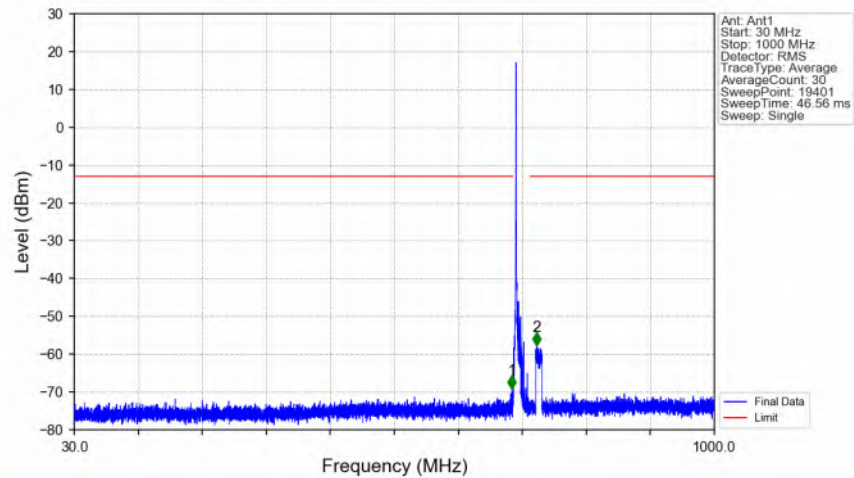
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.050	-78.83	-13	Pass
716.1	721	0.1	CHP	2	717.490	-74.42	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Edge_1RB_Left_Ant1



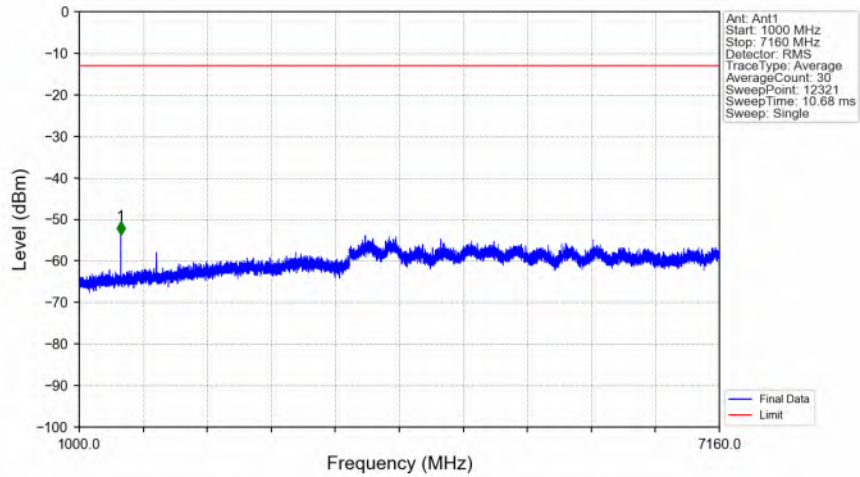
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-23.34	-13	Pass
698.9	699	0.03	/	2	698.950	-20.80	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Edge_1RB_Left_Ant1



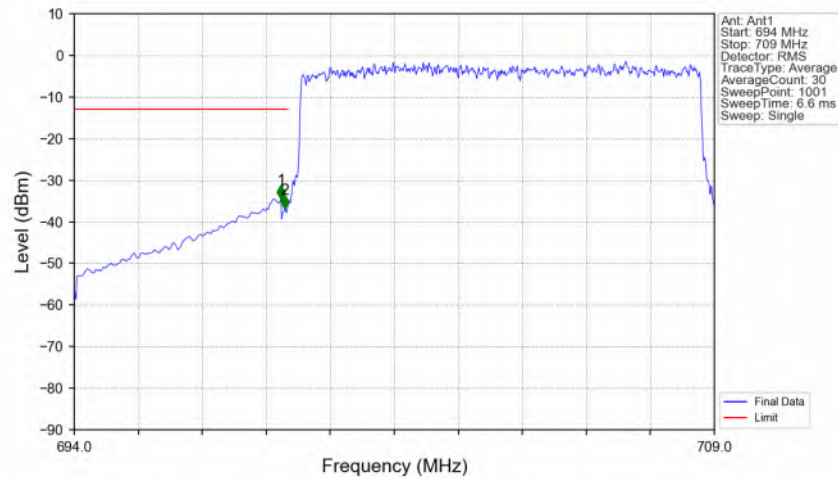
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	693.100	-69.21	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	730.850	-57.75	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Edge_1RB_Left_Ant1



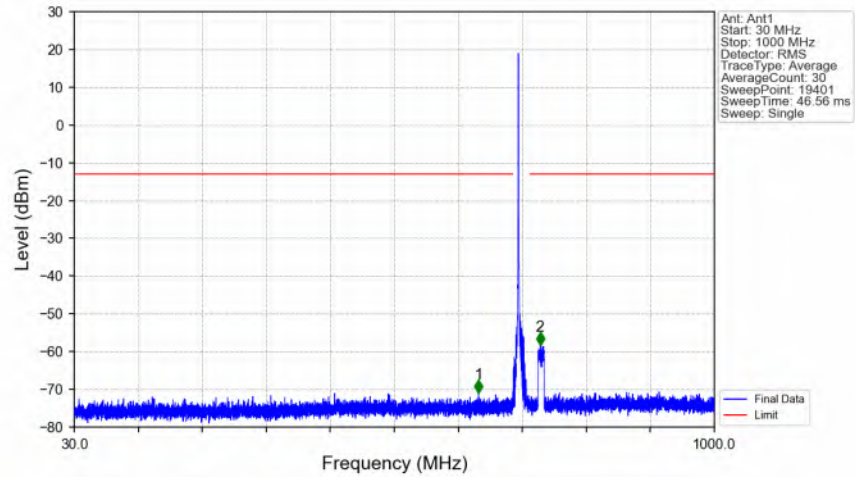
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1398.500	-53.66	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Outer_Full_Ant1



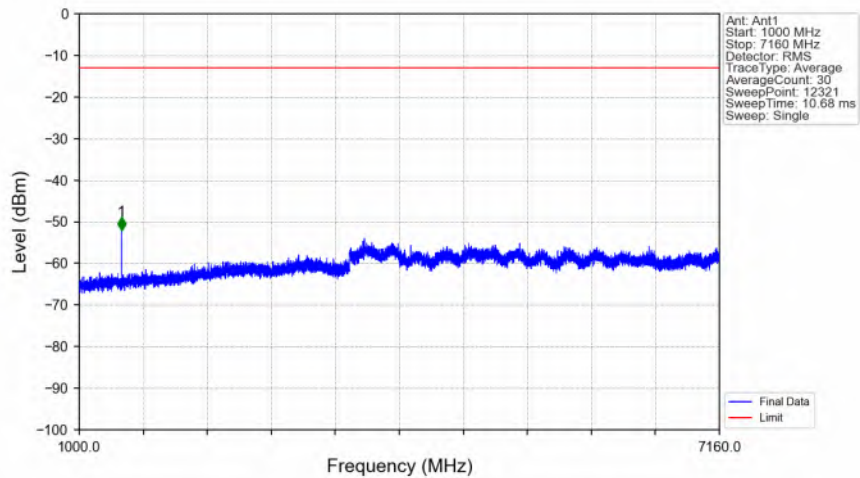
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-34.38	-13	Pass
698.9	699	0.03	/	2	698.935	-36.80	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left_Ant1



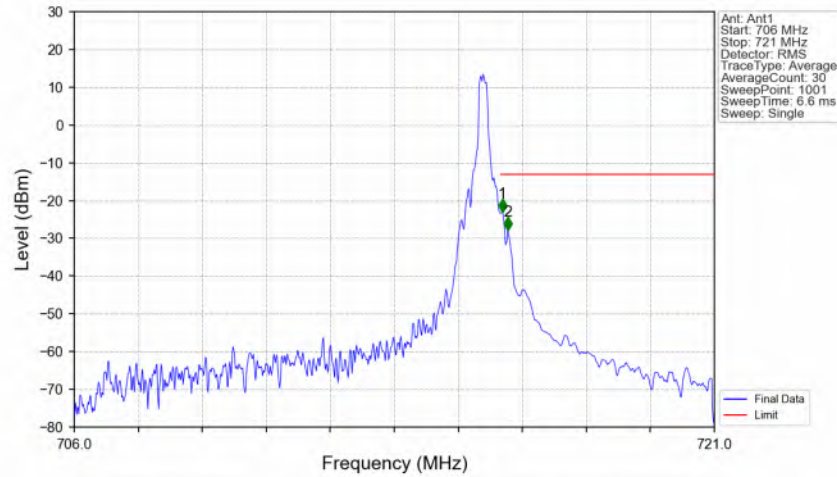
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	642.600	-70.93	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	735.750	-58.38	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left_Ant1



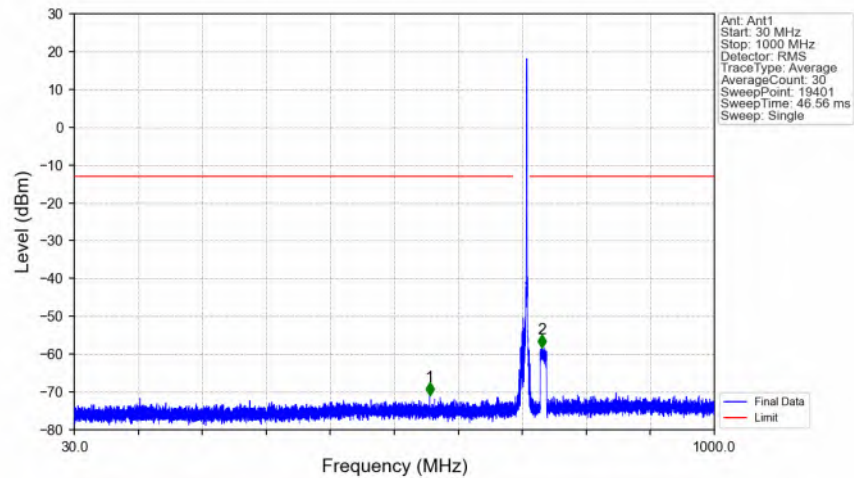
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1405.500	-52.11	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Edge_1RB_Right_Ant1



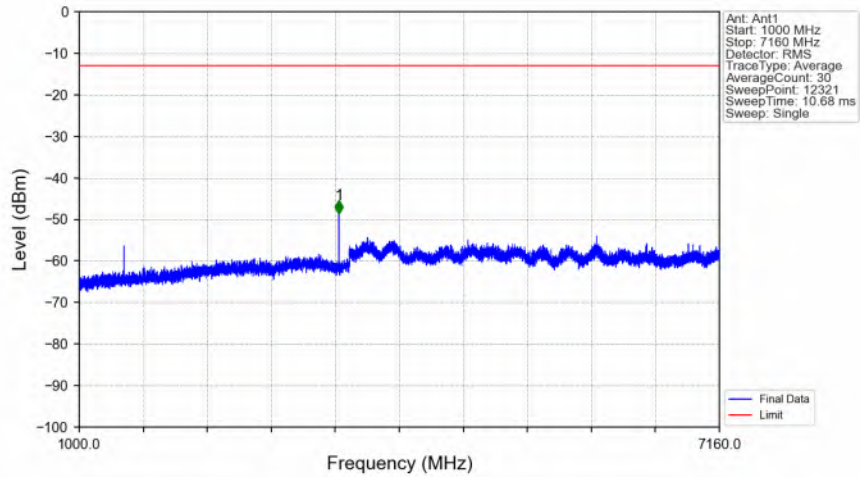
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.035	-23.00	-13	Pass
716.1	721	0.1	CHP	2	716.155	-27.86	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Edge_1RB_Right_Ant1



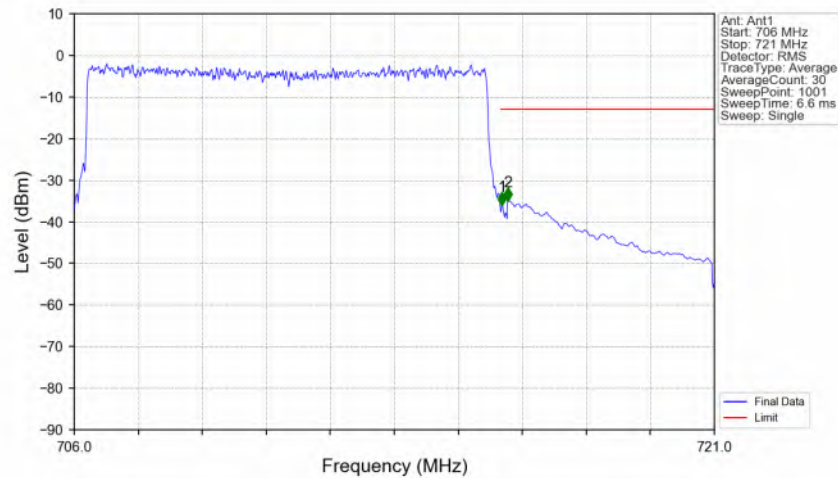
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	568.500	-70.98	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	739.050	-58.26	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Edge_1RB_Right_Ant1



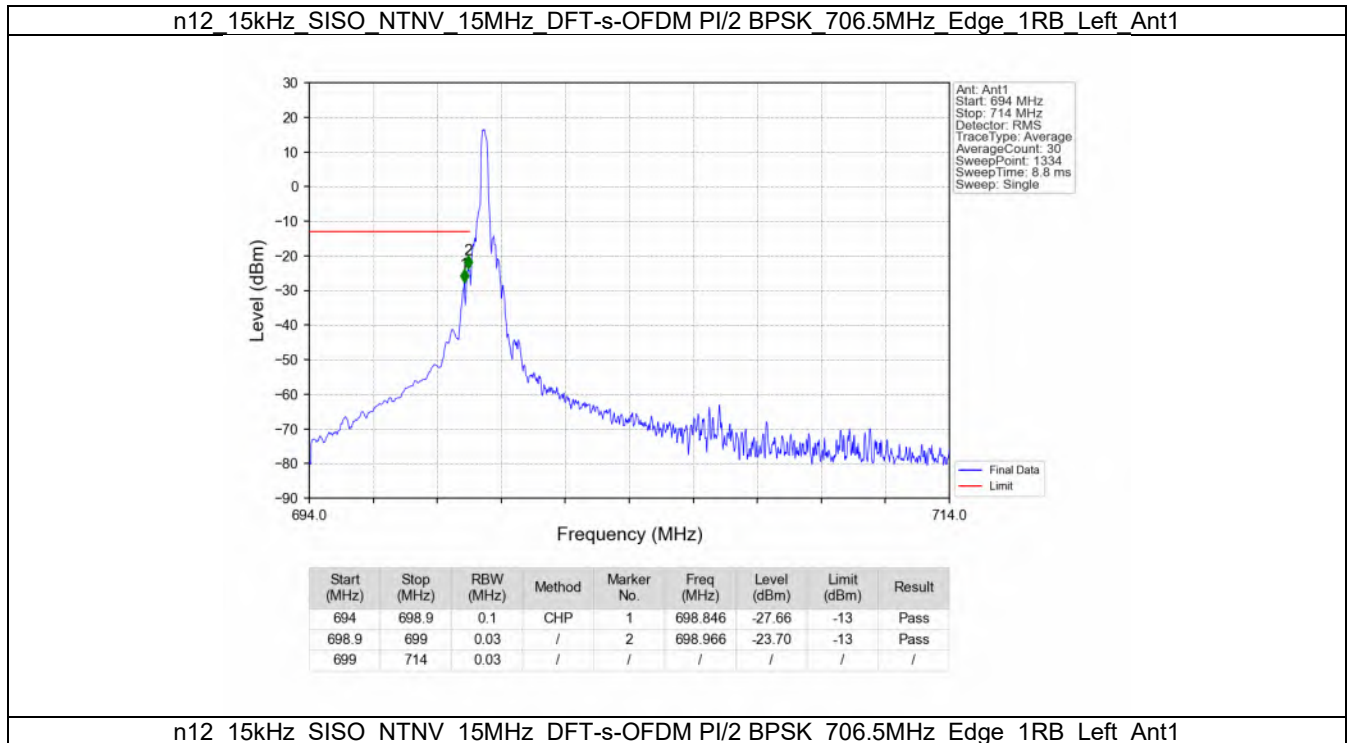
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	3498.000	-48.53	-13	Pass

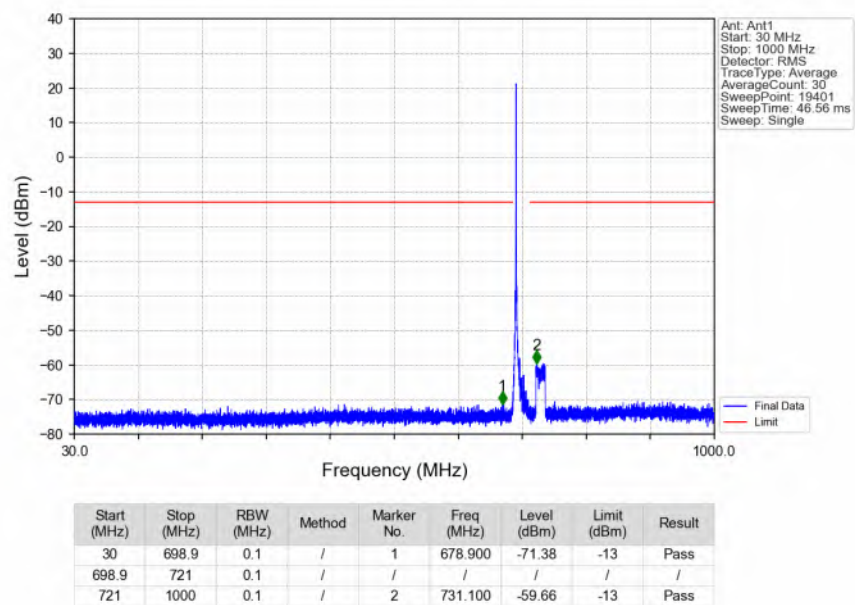
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Outer_Full_Ant1



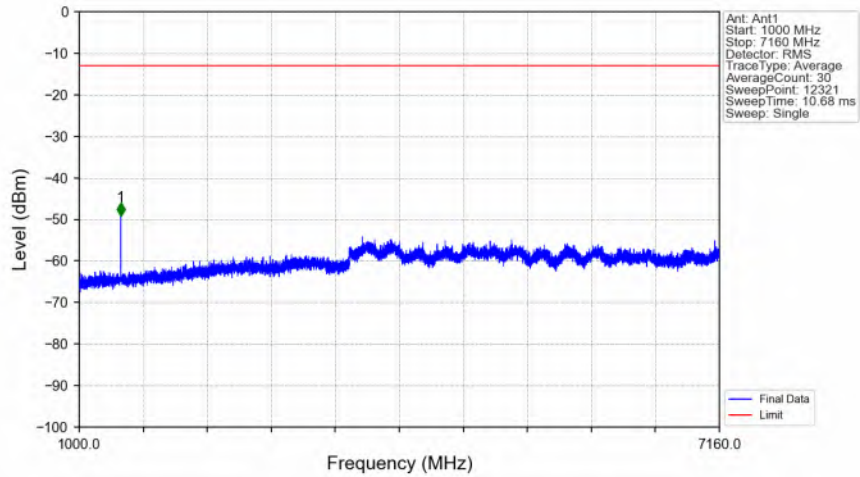
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-36.04	-13	Pass
716.1	721	0.1	CHP	2	716.155	-34.88	-13	Pass

5.2.3 15_S_15M_NTNV



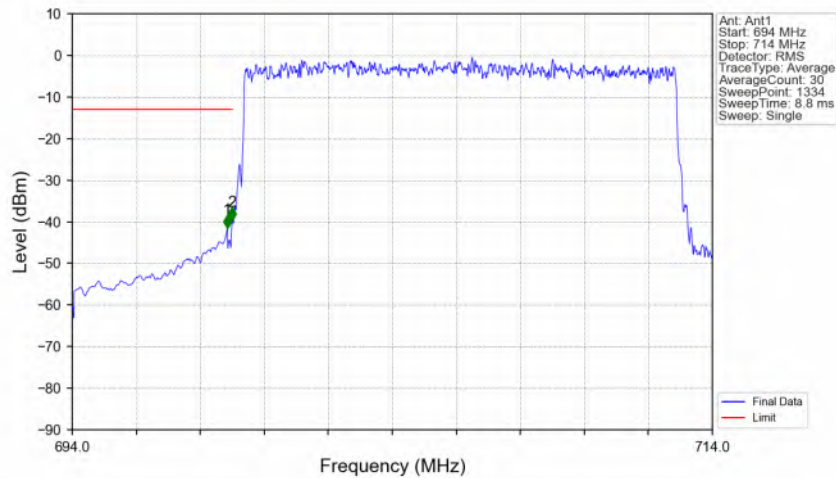


n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Edge_1RB_Left_Ant1



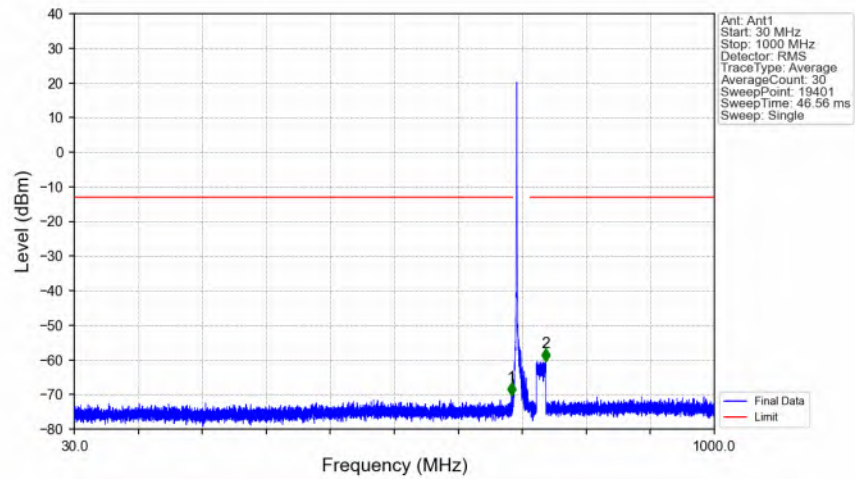
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1399.000	-49.18	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Outer_Full_Ant1



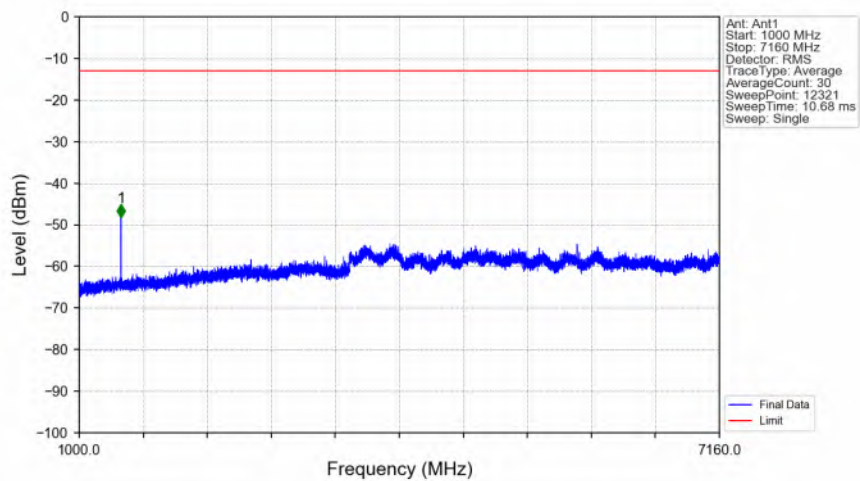
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-41.44	-13	Pass
698.9	699	0.03	/	2	698.996	-39.64	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_707.5MHz_Edge_1RB_Left_Ant1



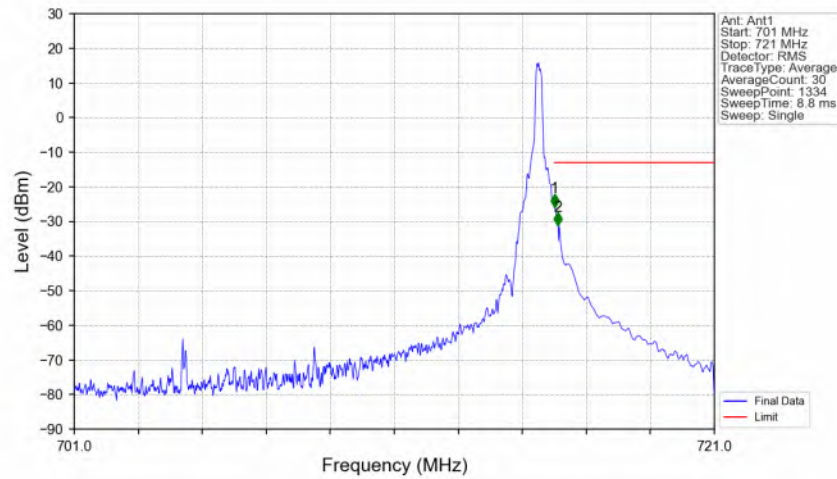
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	692.450	-70.34	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	744.000	-60.49	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_707.5MHz_Edge_1RB_Left_Ant1



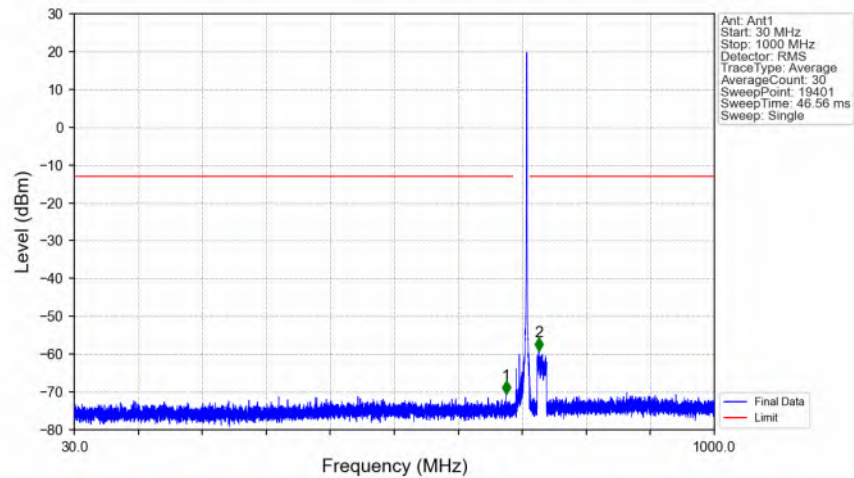
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1401.000	-48.12	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Edge_1RB_Right_Ant1



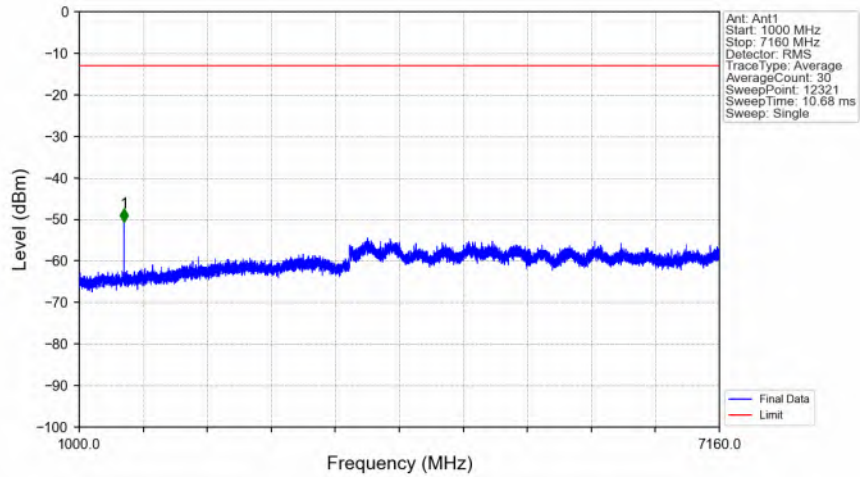
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-25.78	-13	Pass
716.1	721	0.1	CHP	2	716.109	-31.04	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Edge_1RB_Right_Ant1



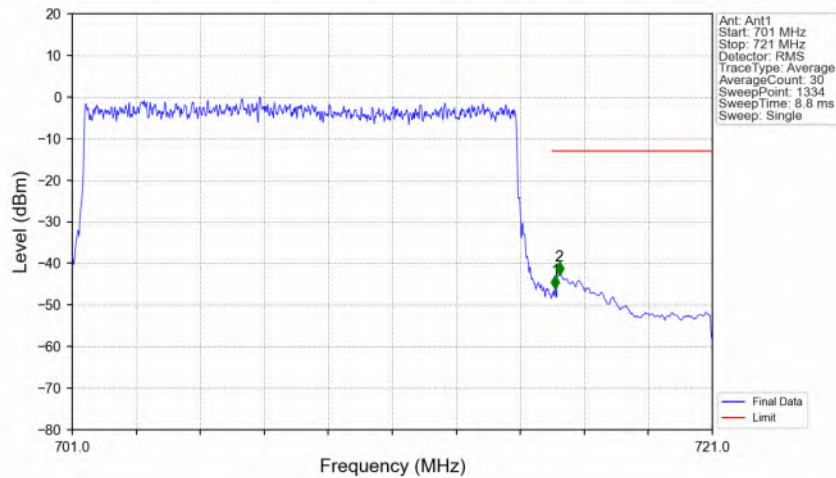
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	684.150	-70.51	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	733.900	-59.19	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Edge_1RB_Right_Ant1



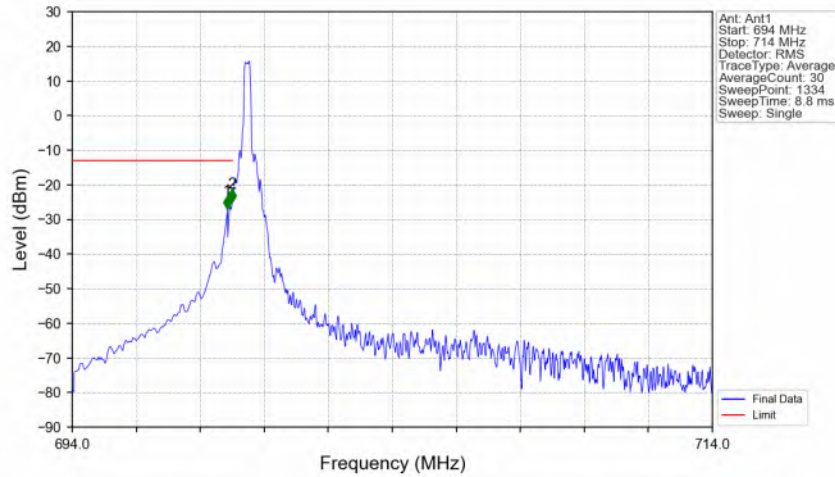
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1431.000	-50.50	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Outer_Full_Ant1



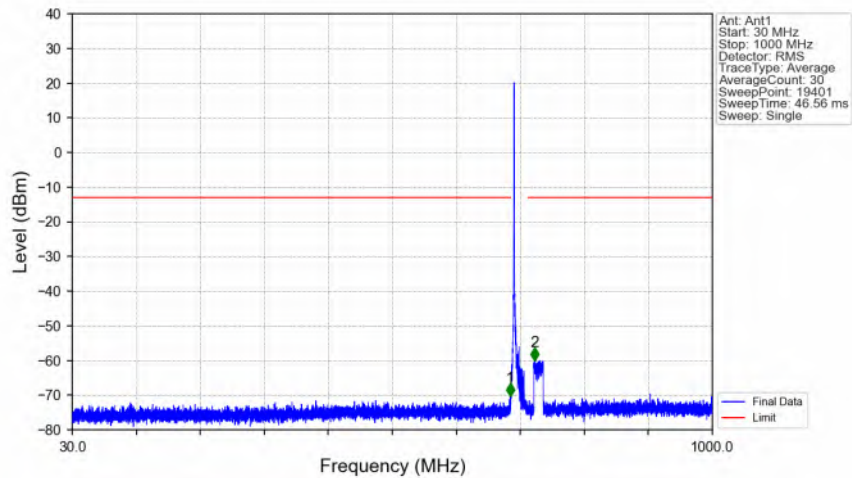
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.094	-46.09	-13	Pass
716.1	721	0.1	CHP	2	716.214	-42.76	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_706.5MHz_Edge_1RB_Left_Ant1



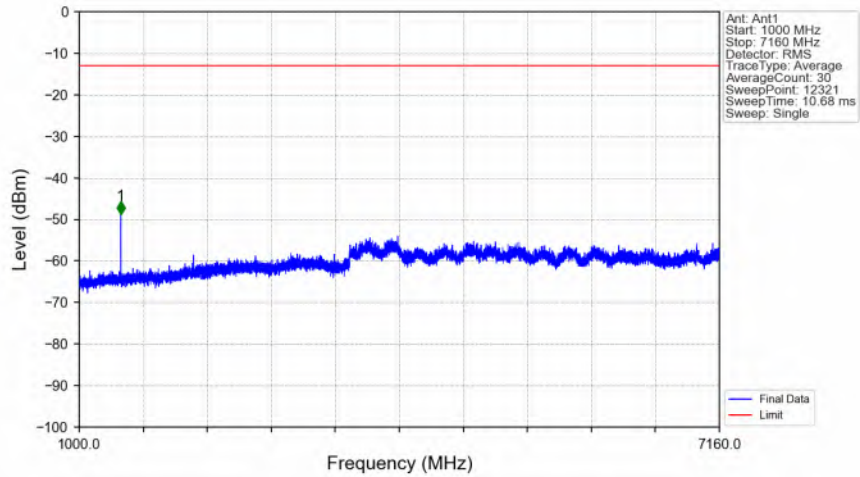
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-27.06	-13	Pass
698.9	699	0.03	/	2	698.996	-24.93	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_706.5MHz_Edge_1RB_Left_Ant1



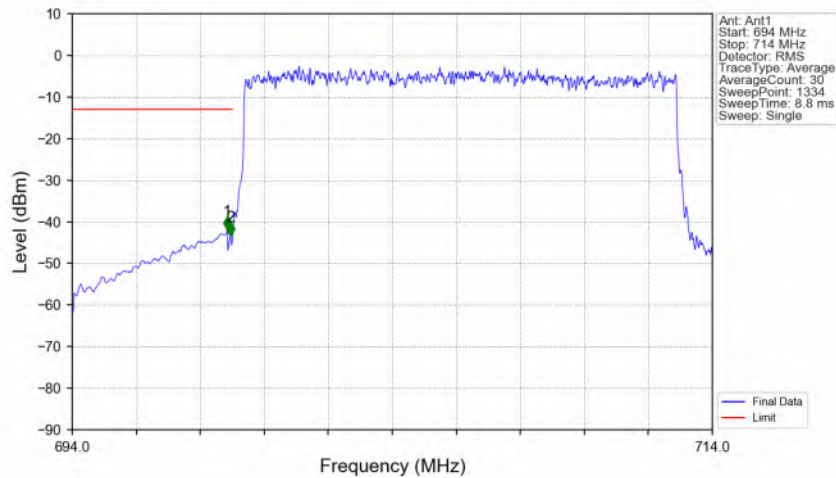
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	693.900	-70.38	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	730.550	-60.01	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_706.5MHz_Edge_1RB_Left_Ant1



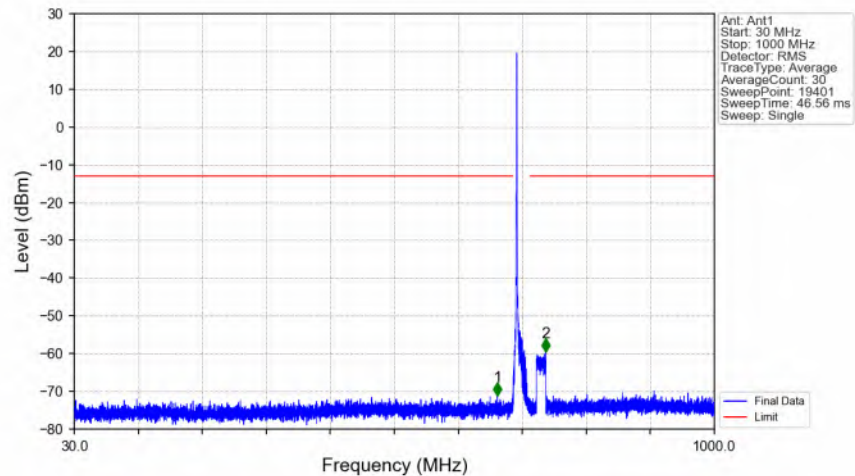
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1399.000	-48.73	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_706.5MHz_Outer_Full_Ant1

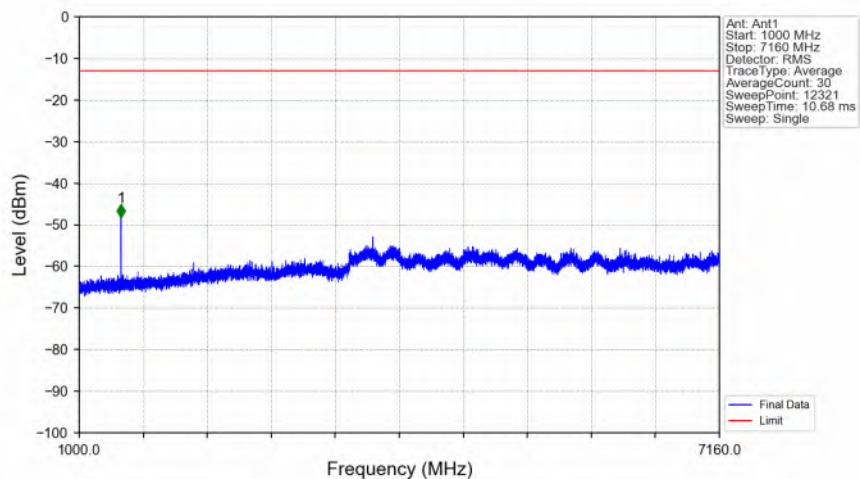


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-41.83	-13	Pass
698.9	699	0.03	/	2	698.936	-43.35	-13	Pass
699	714	0.03	/	/	/	/	/	/

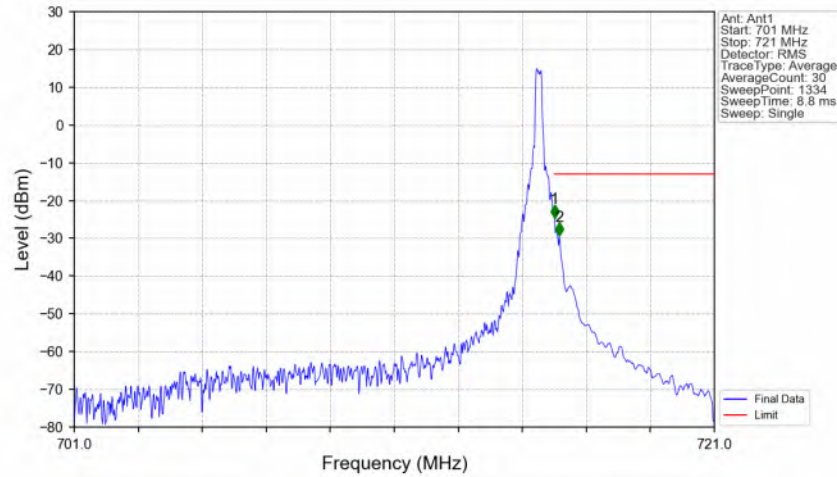
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1



n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_707.5MHz_Edge_1RB_Left_Ant1

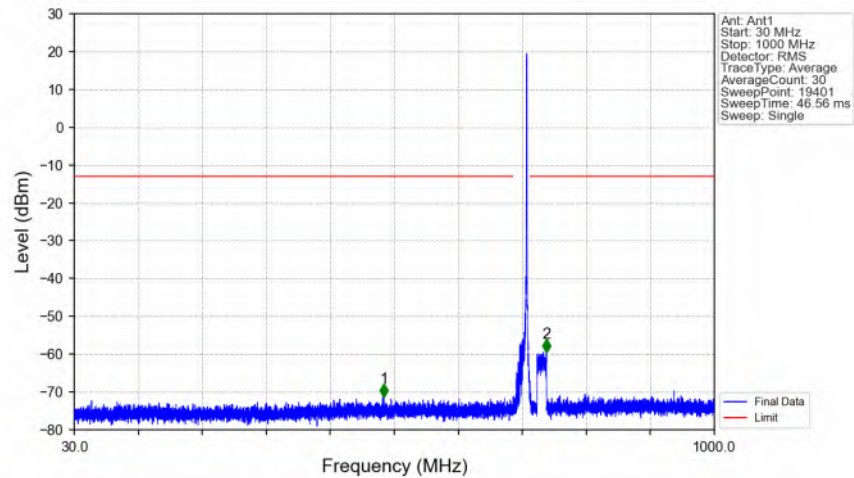


n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_708.5MHz_Edge_1RB_Right_Ant1



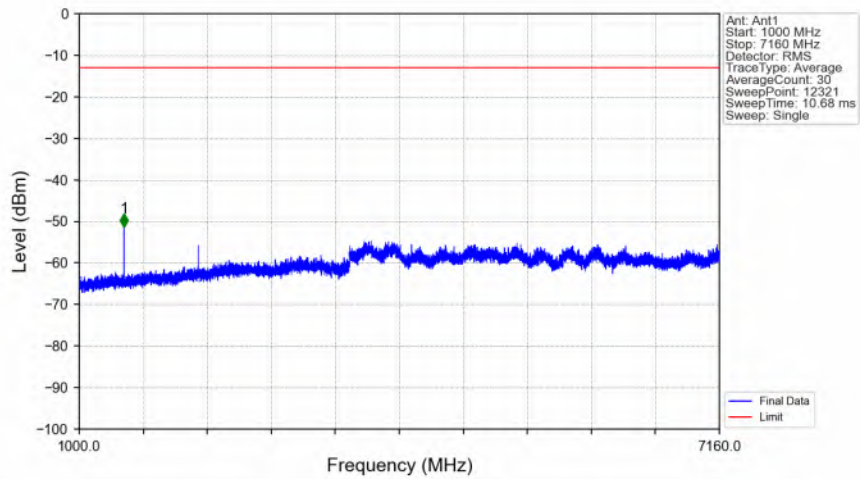
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-24.54	-13	Pass
716.1	721	0.1	CHP	2	716.154	-29.30	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_708.5MHz_Edge_1RB_Right_Ant1



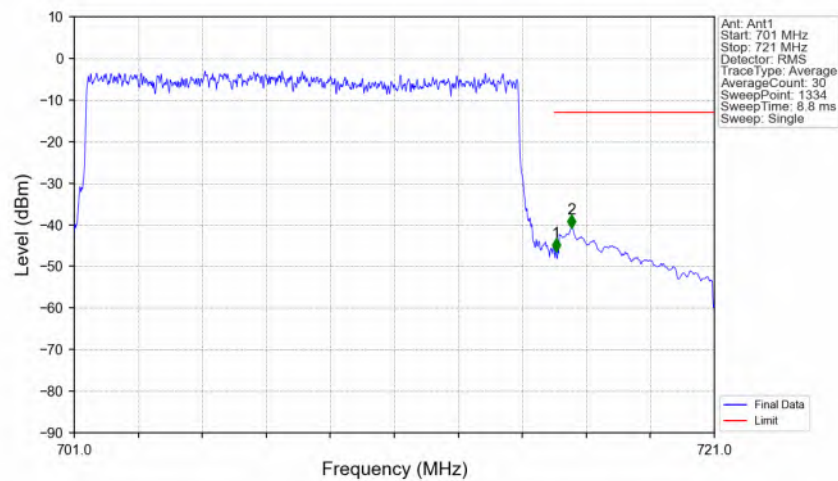
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	499.100	-71.23	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	745.350	-59.46	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_708.5MHz_Edge_1RB_Right_Ant1



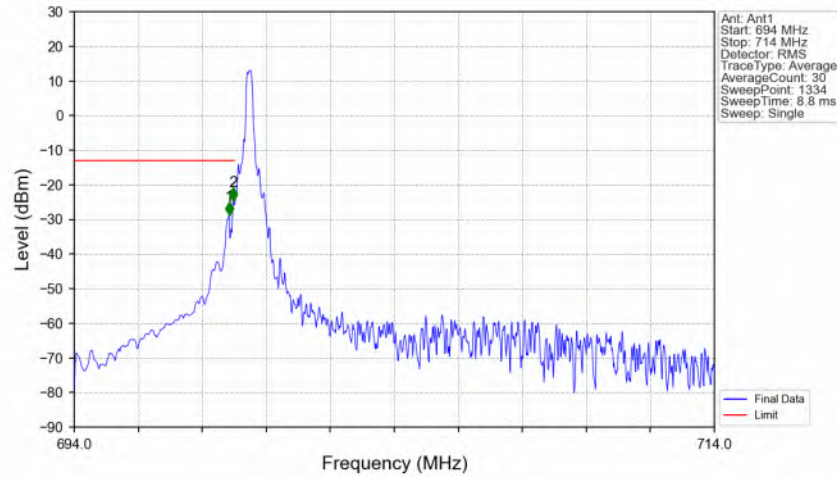
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1431.000	-51.30	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_708.5MHz_Outer_Full_Ant1



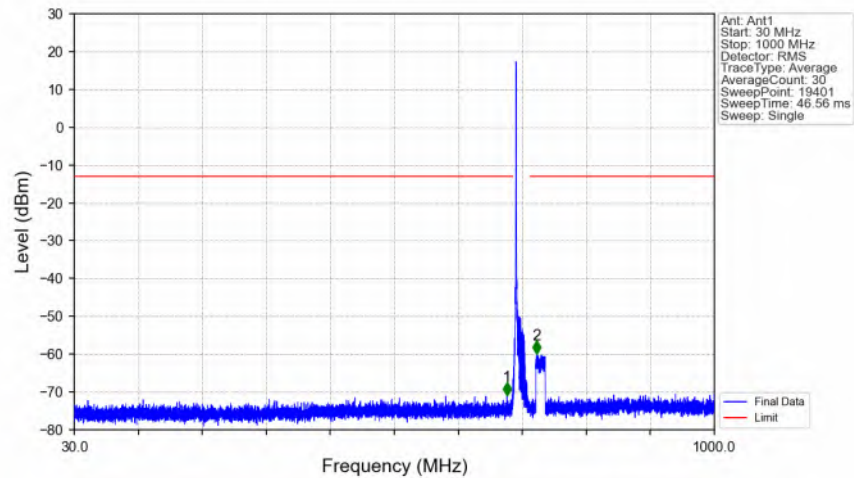
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.049	-46.40	-13	Pass
716.1	721	0.1	CHP	2	716.529	-40.84	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Edge_1RB_Left_Ant1



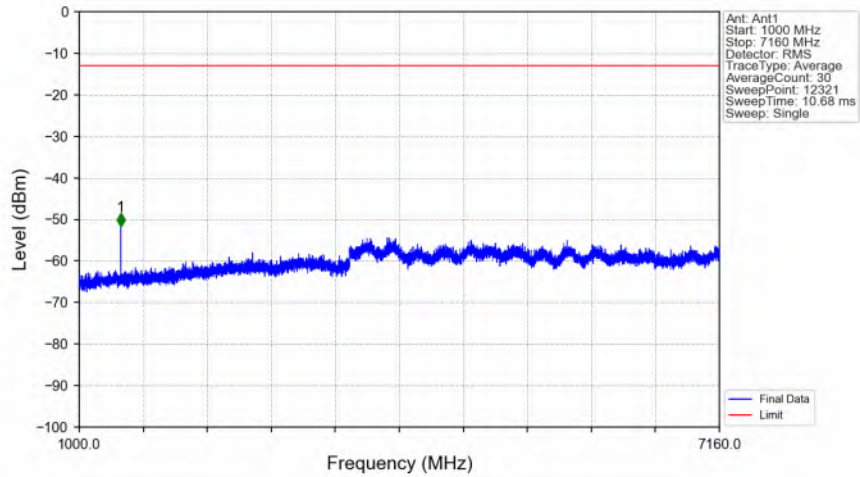
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-28.71	-13	Pass
698.9	699	0.03	/	2	698.966	-24.54	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Edge_1RB_Left_Ant1



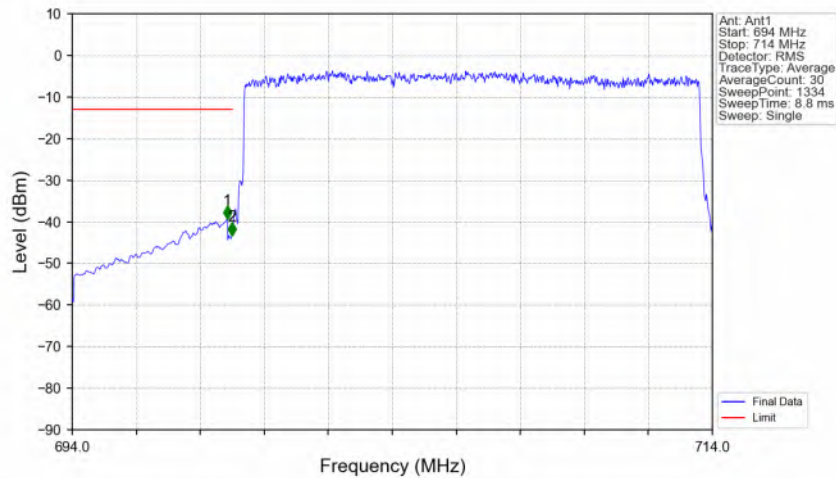
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	685.650	-71.02	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	730.900	-59.93	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Edge_1RB_Left_Ant1



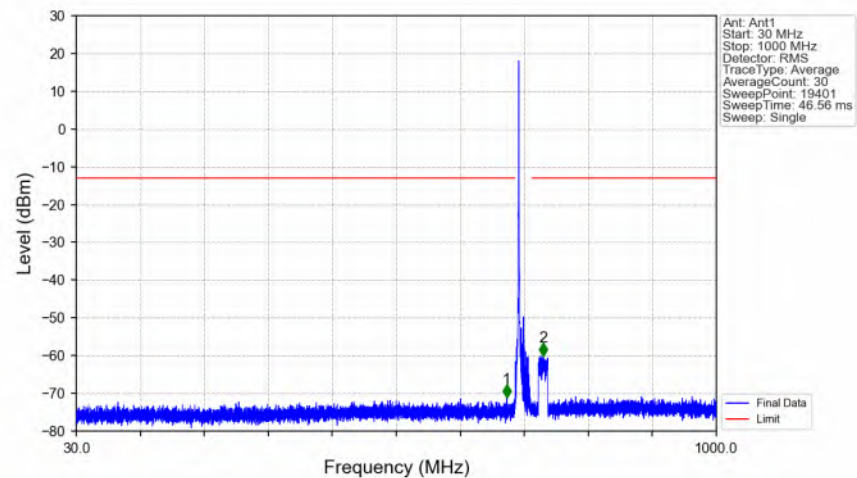
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	7160	1	/	1	1399.000	-51.58	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Outer_Full_Ant1

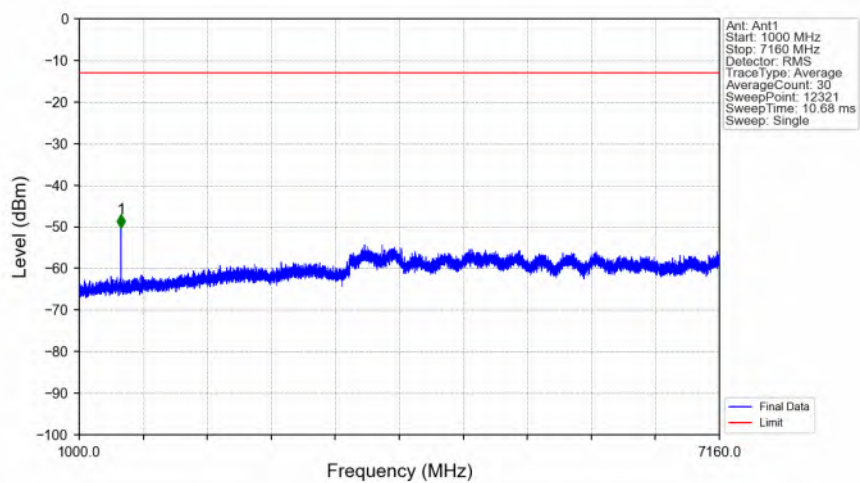


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-39.29	-13	Pass
698.9	699	0.03	/	2	698.996	-43.23	-13	Pass
699	714	0.03	/	/	/	/	/	/

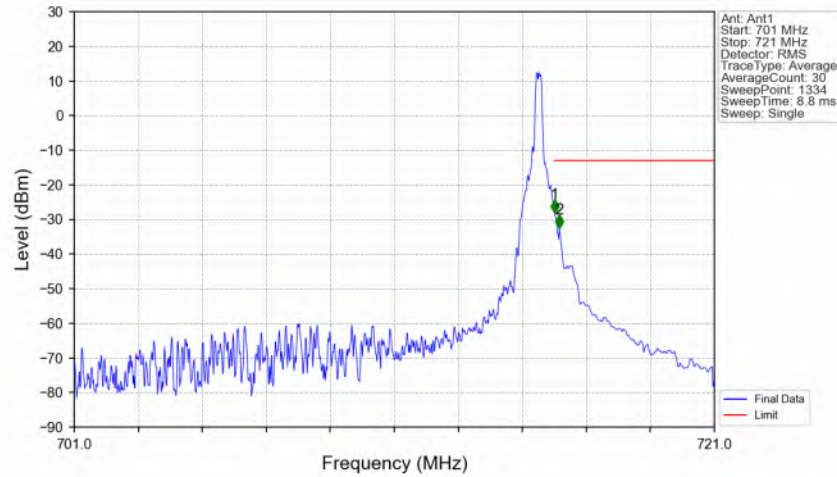
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left_Ant1



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left_Ant1

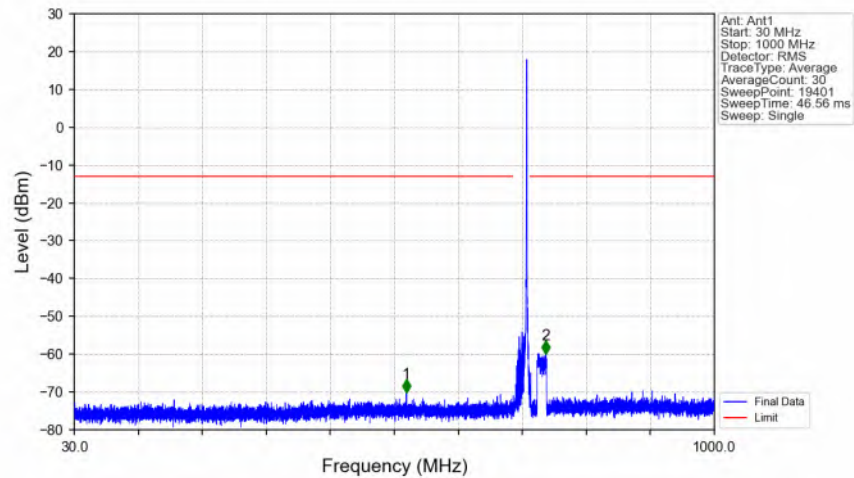


n12_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_708.5MHz_Edge_1RB_Right_Ant1



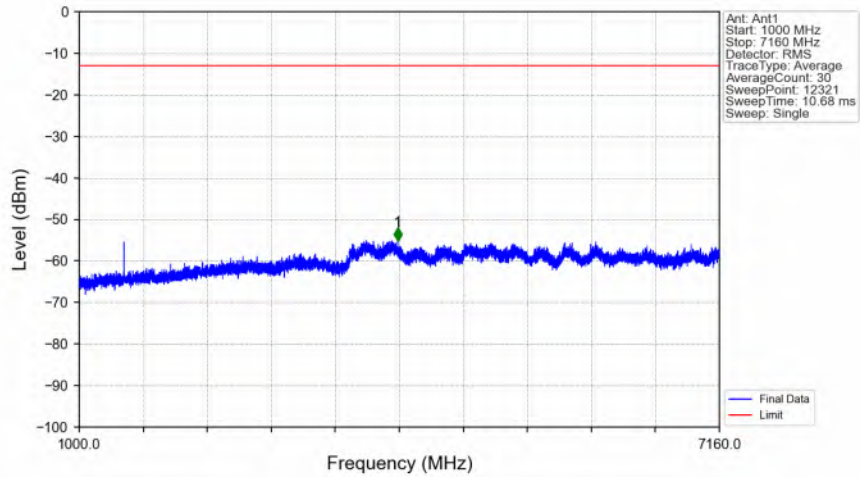
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-28.06	-13	Pass
716.1	721	0.1	CHP	2	716.154	-32.38	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_708.5MHz_Edge_1RB_Right_Ant1

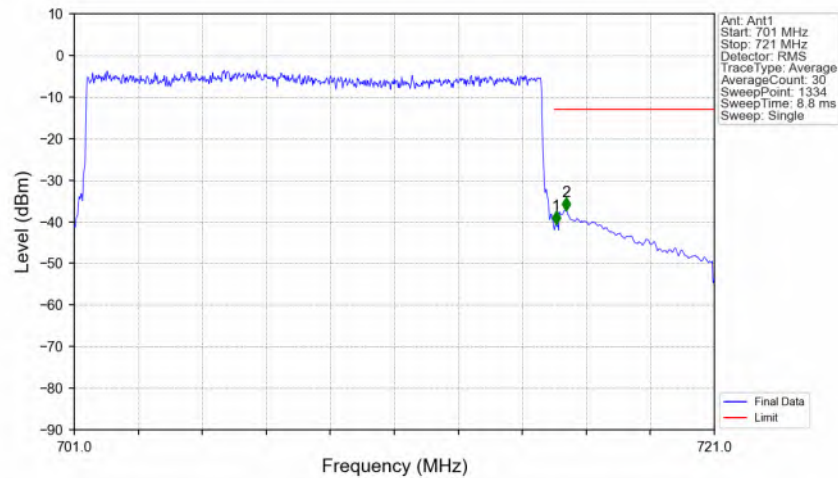


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	698.9	0.1	/	1	533.350	-70.10	-13	Pass
698.9	721	0.1	/	/	/	/	/	/
721	1000	0.1	/	2	744.600	-59.82	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Edge_1RB_Right_Ant1



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Outer_Full_Ant1





6. Frequency Stability (IC)

6.1 Test Result

6.1.1 15_S_15M

5G NR n12 SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	OBW (FL - FH) (MHz)		Limit	Verdict
					FL	FH		
DFT-s-OFDM QPSK	707.5	Outer_Full	20	LV	700.024	714.139	698 to 716	Pass
				HV	700.043	714.140	698 to 716	Pass
			-30	NV	700.032	714.152	698 to 716	Pass
			-20	NV	700.041	714.145	698 to 716	Pass
			-10	NV	700.032	714.152	698 to 716	Pass
			0	NV	700.042	714.153	698 to 716	Pass
			10	NV	700.041	714.146	698 to 716	Pass
			20	NV	700.037	714.151	698 to 716	Pass
			30	NV	700.027	714.148	698 to 716	Pass
			40	NV	700.060	714.140	698 to 716	Pass
			50	NV	700.028	714.145	698 to 716	Pass

---End of Attachment---