

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 CA_12B_NTNV_ERP

Band: CA_12B / NTNV										
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)			Gain (dBi)	EIRP (dBm)		Verdict
				CC1	CC2	Sum		Result	Limit	
CC1:5 CC2:5	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:706.3	CC1: 1@0 CC2: 0@0	23.01	-29.64	23.01	-1.50	19.36	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	22.83	16.80	23.79	-1.50	20.14	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	17.98	11.93	18.94	-1.50	15.29	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	20.91	18.40	22.84	-1.50	19.19	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	20.99	14.97	21.96	-1.50	18.31	<=34.77	Pass
		CC1:705.1 CC2:709.9	CC1: 1@0 CC2: 0@0	23.05	-29.15	23.05	-1.50	19.40	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	21.84	19.37	23.78	-1.50	20.13	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.00	11.88	18.95	-1.50	15.30	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	21.85	15.94	22.84	-1.50	19.19	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	21.00	14.92	21.96	-1.50	18.31	<=34.77	Pass
		CC1:708.7 CC2:713.5	CC1: 1@0 CC2: 0@0	23.17	-29.61	23.17	-1.50	19.52	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	21.93	19.30	23.82	-1.50	20.17	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.00	11.95	18.96	-1.50	15.31	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	21.90	15.93	22.87	-1.50	19.22	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	20.96	14.73	21.89	-1.50	18.24	<=34.77	Pass
	CC1: 16QAM CC2: 16QAM	CC1:701.5 CC2:706.3	CC1: 1@0 CC2: 0@0	22.54	-29.86	22.54	-1.50	18.89	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	21.35	18.53	23.17	-1.50	19.52	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.04	11.90	18.99	-1.50	15.34	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	21.04	14.89	21.98	-1.50	18.33	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	20.12	14.01	21.07	-1.50	17.42	<=34.77	Pass
		CC1:705.1 CC2:709.9	CC1: 1@0 CC2: 0@0	22.49	-29.56	22.49	-1.50	18.84	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	22.43	15.97	23.30	-1.50	19.65	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.11	11.86	19.03	-1.50	15.38	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	21.04	14.74	21.95	-1.50	18.30	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	20.03	13.99	21.00	-1.50	17.35	<=34.77	Pass

		CC1:708.7 CC2:713.5	CC1: 1@0 CC2: 0@0	22.71	-30.07	22.71	-1.50	19.06	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	21.18	18.39	23.00	-1.50	19.35	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.05	11.92	19.00	-1.50	15.35	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	19.99	17.41	21.90	-1.50	18.25	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	19.85	13.81	20.81	-1.50	17.16	<=34.77	Pass
			CC1: 1@0 CC2: 0@0	21.47	-30.70	21.47	-1.50	17.82	<=34.77	Pass
	CC1: 64QAM CC2: 64QAM	CC1:701.5 CC2:706.3	CC1: 1@24 CC2: 1@0	19.34	16.38	21.11	-1.50	17.46	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.08	11.96	19.03	-1.50	15.38	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	20.04	13.99	21.00	-1.50	17.35	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	20.02	14.01	20.99	-1.50	17.34	<=34.77	Pass
			CC1: 1@0 CC2: 0@0	21.55	-30.37	21.55	-1.50	17.90	<=34.77	Pass
		CC1:705.1 CC2:709.9	CC1: 1@24 CC2: 1@0	20.16	14.03	21.10	-1.50	17.45	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.03	11.94	18.98	-1.50	15.33	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	19.95	14.03	20.94	-1.50	17.29	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	20.05	14.00	21.02	-1.50	17.37	<=34.77	Pass
			CC1: 1@0 CC2: 0@0	21.33	-30.73	21.33	-1.50	17.68	<=34.77	Pass
		CC1:708.7 CC2:713.5	CC1: 1@24 CC2: 1@0	20.20	13.87	21.10	-1.50	17.45	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	18.13	11.93	19.06	-1.50	15.41	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	20.02	14.06	21.00	-1.50	17.35	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	19.00	16.49	20.93	-1.50	17.28	<=34.77	Pass
			CC1: 1@0 CC2: 0@0	18.26	-32.54	18.26	-1.50	14.61	<=34.77	Pass
	CC1: 256QAM CC2: 256QAM	CC1:701.5 CC2:706.3	CC1: 1@24 CC2: 1@0	18.25	12.09	19.19	-1.50	15.54	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	17.58	11.50	18.54	-1.50	14.89	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	17.98	11.92	18.94	-1.50	15.29	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	17.97	11.94	18.94	-1.50	15.29	<=34.77	Pass
			CC1: 1@0 CC2: 0@0	18.35	-32.65	18.35	-1.50	14.70	<=34.77	Pass
		CC1:705.1 CC2:709.9	CC1: 1@24 CC2: 1@0	18.08	11.93	19.02	-1.50	15.37	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	17.54	11.51	18.51	-1.50	14.86	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	17.98	11.81	18.92	-1.50	15.27	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	17.13	14.53	19.03	-1.50	15.38	<=34.77	Pass
			CC1: 1@0	18.41	-32.25	18.41	-1.50	14.76	<=34.77	Pass
		CC1:708.7	CC1: 1@0	18.41	-32.25	18.41	-1.50	14.76	<=34.77	Pass

		CC2:713.5	CC2: 0@0							
			CC1: 1@24 CC2: 1@0	18.19	11.88	19.09	-1.50	15.44	<=34.77	Pass
			CC1: 12@0 CC2: 12@13	17.54	11.57	18.52	-1.50	14.87	<=34.77	Pass
			CC1: 12@13 CC2: 12@0	17.86	11.85	18.83	-1.50	15.18	<=34.77	Pass
			CC1: 25@0 CC2: 25@0	18.01	11.91	18.96	-1.50	15.31	<=34.77	Pass
CC1:5 CC2:10	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:708.7	CC1: 1@0 CC2: 0@0	23.11	-28.33	23.11	-1.50	19.46	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	21.67	20.88	23.57	-1.50	19.92	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	17.95	11.85	18.90	-1.50	15.25	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	19.93	17.43	21.80	-1.50	18.15	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	21.05	14.91	21.95	-1.50	18.30	<=34.77	Pass
		CC1:702.7 CC2:709.9	CC1: 1@0 CC2: 0@0	23.04	-28.66	23.04	-1.50	19.39	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	21.73	20.92	23.61	-1.50	19.96	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	17.96	11.82	18.91	-1.50	15.26	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	20.09	17.63	21.98	-1.50	18.33	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	21.00	15.05	21.95	-1.50	18.30	<=34.77	Pass
		CC1:703.8 CC2:711	CC1: 1@0 CC2: 0@0	23.07	-29.56	23.07	-1.50	19.42	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	22.74	19.92	23.68	-1.50	20.03	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	18.03	11.85	18.97	-1.50	15.32	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	21.00	15.24	21.94	-1.50	18.29	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	20.82	14.77	21.75	-1.50	18.10	<=34.77	Pass
	CC1: 16QAM CC2: 16QAM	CC1:701.5 CC2:708.7	CC1: 1@0 CC2: 0@0	21.59	-29.54	21.59	-1.50	17.94	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	22.16	19.21	23.07	-1.50	19.42	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	18.06	11.78	18.98	-1.50	15.33	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	20.14	14.39	21.08	-1.50	17.43	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	20.08	14.23	21.04	-1.50	17.39	<=34.77	Pass
		CC1:702.7 CC2:709.9	CC1: 1@0 CC2: 0@0	21.41	-30.16	21.41	-1.50	17.76	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	22.33	19.40	23.19	-1.50	19.54	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	18.04	11.83	18.97	-1.50	15.32	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	20.04	14.39	21.00	-1.50	17.35	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	20.21	14.16	21.14	-1.50	17.49	<=34.77	Pass
		CC1:703.8 CC2:711	CC1: 1@0 CC2: 0@0	22.51	-29.84	22.51	-1.50	18.86	<=34.77	Pass

			CC1: 1@24 CC2: 1@0	21.37	20.39	23.12	-1.50	19.47	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	18.05	11.82	18.97	-1.50	15.32	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	20.17	14.39	21.11	-1.50	17.46	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	19.97	14.08	20.93	-1.50	17.28	<=34.77	Pass
	CC1: 64QAM CC2: 64QAM	CC1:701.5 CC2:708.7	CC1: 1@0 CC2: 0@0	22.20	-29.10	22.20	-1.50	18.55	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	20.08	17.07	20.94	-1.50	17.29	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	18.00	11.83	18.94	-1.50	15.29	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	20.10	14.43	21.06	-1.50	17.41	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	20.10	14.12	21.04	-1.50	17.39	<=34.77	Pass
		CC1:702.7 CC2:709.9	CC1: 1@0 CC2: 0@0	21.44	-29.96	21.44	-1.50	17.79	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	20.24	17.51	21.16	-1.50	17.51	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	18.04	11.80	18.96	-1.50	15.31	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	20.03	14.34	20.98	-1.50	17.33	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	20.01	14.05	20.95	-1.50	17.30	<=34.77	Pass
		CC1:703.8 CC2:711	CC1: 1@0 CC2: 0@0	20.47	-31.79	20.47	-1.50	16.82	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	19.26	18.47	21.09	-1.50	17.44	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	18.07	11.82	18.99	-1.50	15.34	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	20.05	14.29	21.00	-1.50	17.35	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	19.09	16.55	20.98	-1.50	17.33	<=34.77	Pass
	CC1: 256QAM CC2: 256QAM	CC1:701.5 CC2:708.7	CC1: 1@0 CC2: 0@0	18.24	-31.72	18.24	-1.50	14.59	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	18.10	15.22	19.00	-1.50	15.35	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	17.55	11.42	18.50	-1.50	14.85	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	18.08	12.34	19.03	-1.50	15.38	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	17.88	11.92	18.82	-1.50	15.17	<=34.77	Pass
		CC1:702.7 CC2:709.9	CC1: 1@0 CC2: 0@0	18.25	-31.92	18.25	-1.50	14.60	<=34.77	Pass
			CC1: 1@24 CC2: 1@0	17.97	15.33	18.92	-1.50	15.27	<=34.77	Pass
			CC1: 12@0 CC2: 25@25	17.58	11.42	18.52	-1.50	14.87	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	18.08	12.17	18.99	-1.50	15.34	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	18.00	12.08	18.95	-1.50	15.30	<=34.77	Pass
		CC1:703.8 CC2:711	CC1: 1@0 CC2: 0@0	18.37	-32.76	18.37	-1.50	14.72	<=34.77	Pass
			CC1: 1@24	18.21	15.48	19.13	-1.50	15.48	<=34.77	Pass

			CC2: 1@0							
			CC1: 12@0 CC2: 25@25	17.48	11.36	18.43	-1.50	14.78	<=34.77	Pass
			CC1: 12@13 CC2: 25@0	18.02	12.31	18.98	-1.50	15.33	<=34.77	Pass
			CC1: 25@0 CC2: 50@0	17.99	12.09	18.94	-1.50	15.29	<=34.77	Pass
Note1: EIRP=Conducted Power+Antenna Gain-2.15										

2. 99% & 26dB Bandwidth

2.1 Test Result

2.1.1 CA_12B_NTNV_OBW

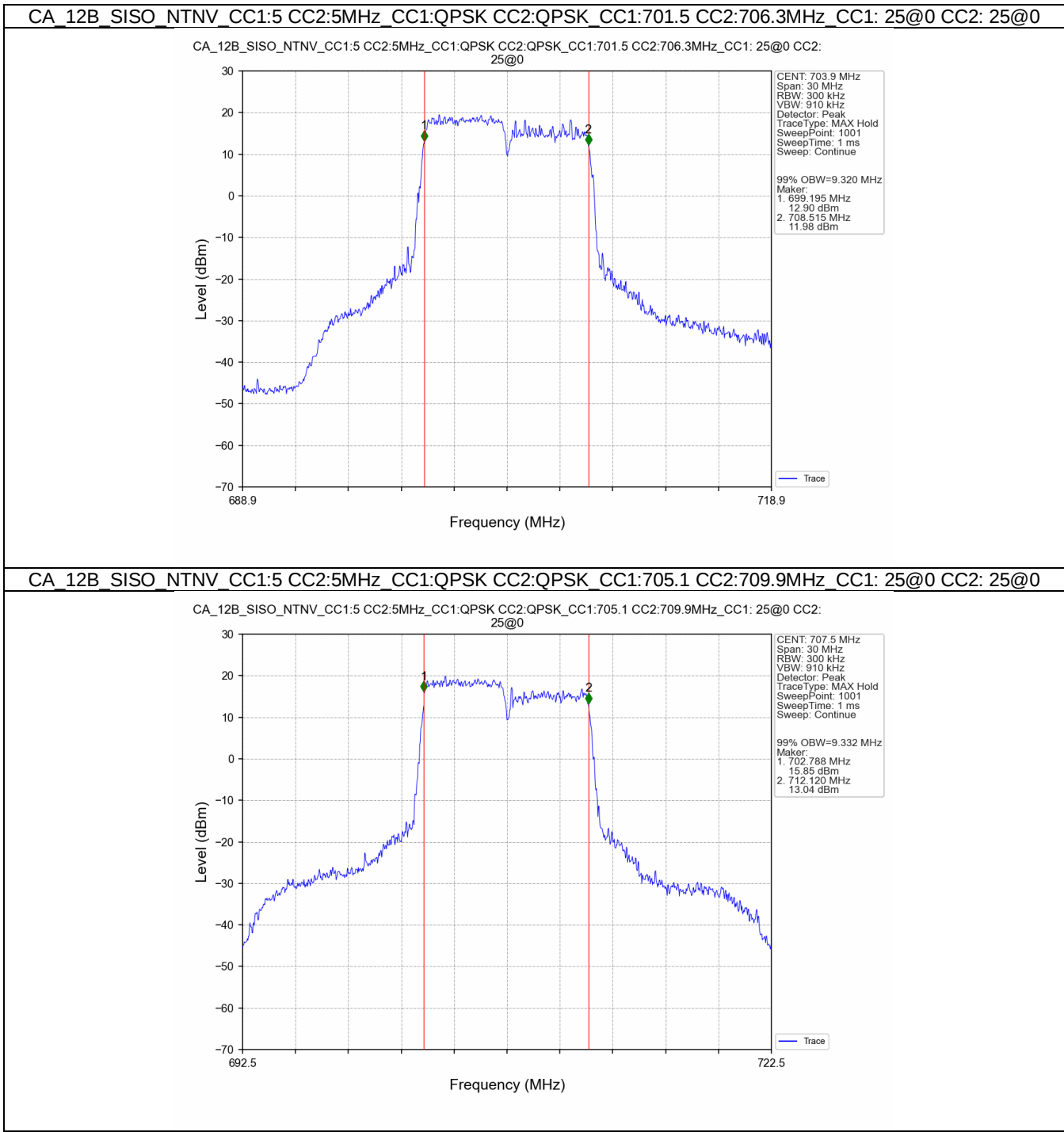
Band: CA_12B / NTNV						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	99% Occupied Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:5 CC2:5	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	9.32	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	9.33	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	9.33	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	9.36	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	9.36	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	9.30	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	9.32	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	9.36	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	9.31	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	9.32	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	9.33	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	9.33	/	Pass
CC1:5 CC2:10	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	14.09	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	14.02	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	14.03	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	14.11	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	13.97	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	14.01	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	14.02	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	13.96	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	13.98	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	14.01	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	13.98	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	13.96	/	Pass

2.1.2 CA_12B_NTNV_XDB

Band: CA_12B / NTN						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	26dB Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:5 CC2:5	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	10.20	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	10.13	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	10.24	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	10.18	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	10.20	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	10.26	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	10.07	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	10.17	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	10.09	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:701.5 CC2:706.3	CC1: 25@0 CC2: 25@0	10.11	/	Pass
		CC1:705.1 CC2:709.9	CC1: 25@0 CC2: 25@0	10.22	/	Pass
		CC1:708.7 CC2:713.5	CC1: 25@0 CC2: 25@0	10.20	/	Pass
CC1:5 CC2:10	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	15.14	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	15.18	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	15.15	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	15.10	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	15.12	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	15.04	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	15.03	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	15.28	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	15.15	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:701.5 CC2:708.7	CC1: 25@0 CC2: 50@0	14.99	/	Pass
		CC1:702.7 CC2:709.9	CC1: 25@0 CC2: 50@0	15.22	/	Pass
		CC1:703.8 CC2:711	CC1: 25@0 CC2: 50@0	15.05	/	Pass

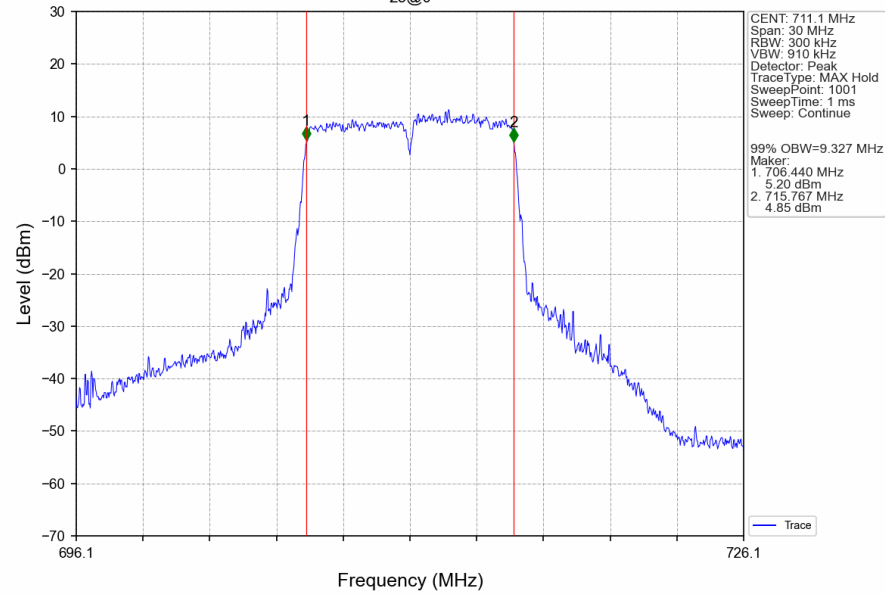
2.2 Test Graph

2.2.1 CA_12B_NTNV_OBW



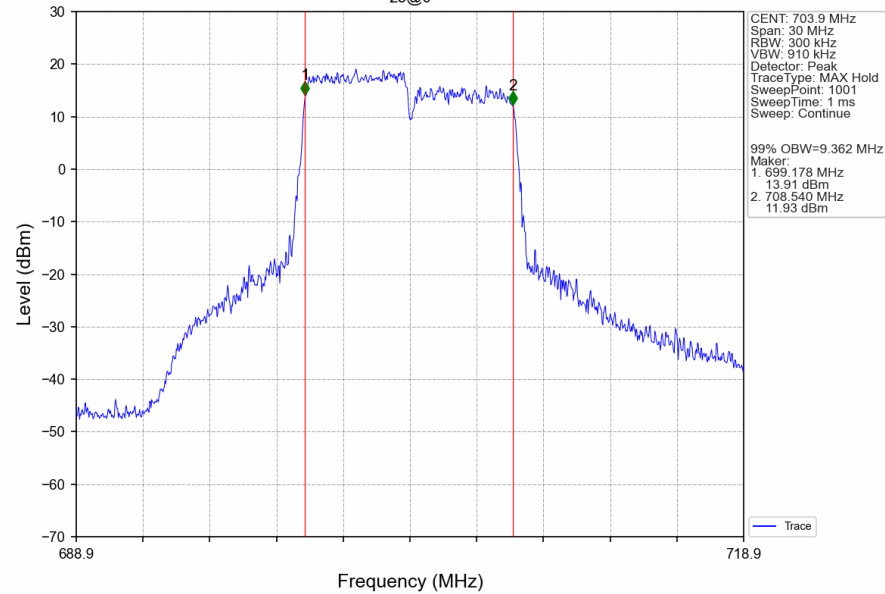
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:QPSK CC2:QPSK CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2: 25@0

CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:708.7 CC2:713.5MHz_CC1: 25@0 CC2:
25@0

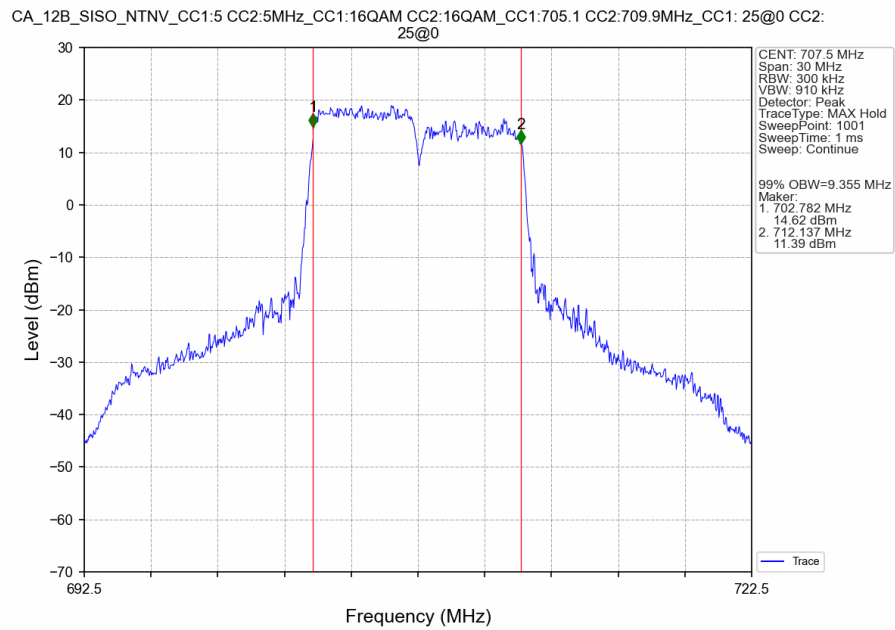


CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2: 25@0

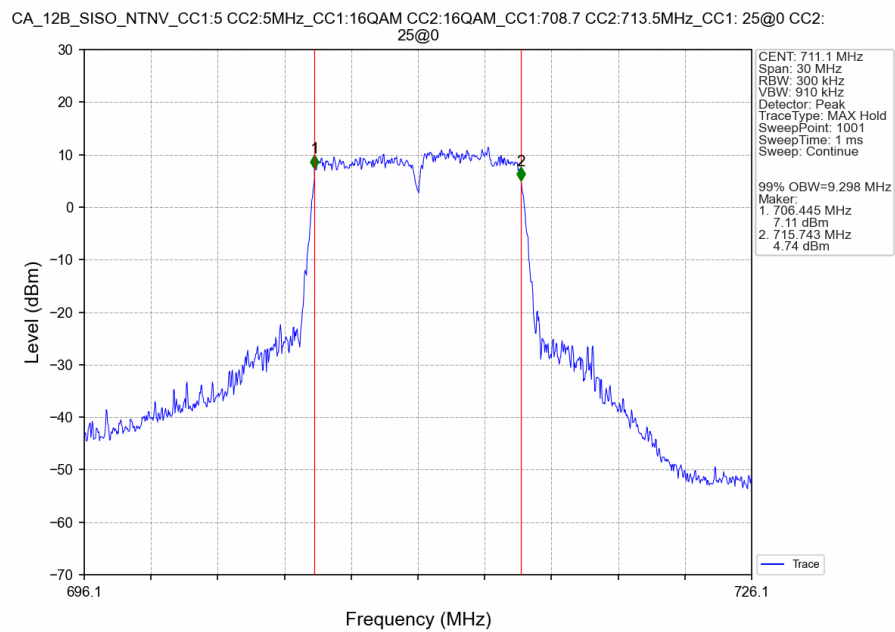
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2:
25@0



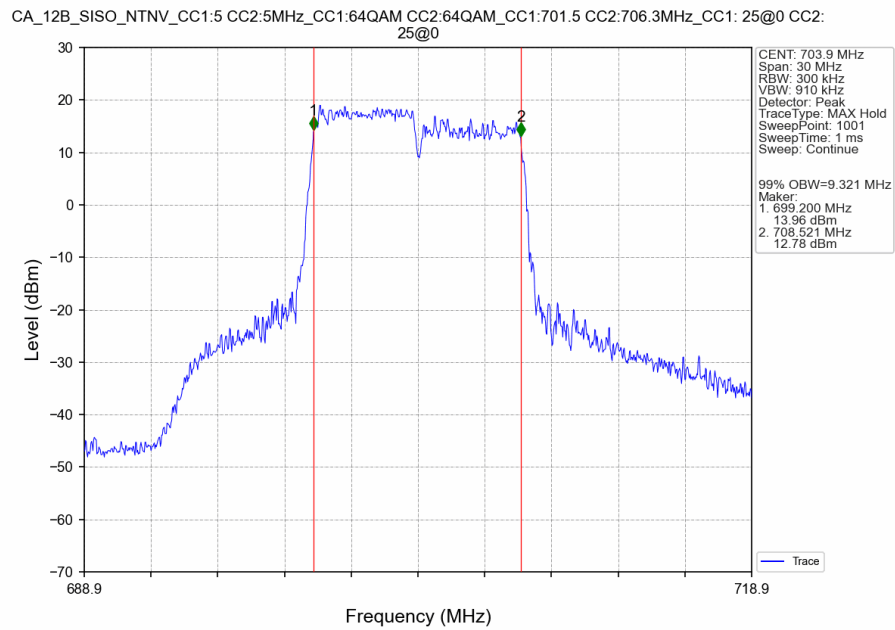
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:16QAM CC2:16QAM CC1:705.1 CC2:709.9MHz CC1: 25@0 CC2: 25@0



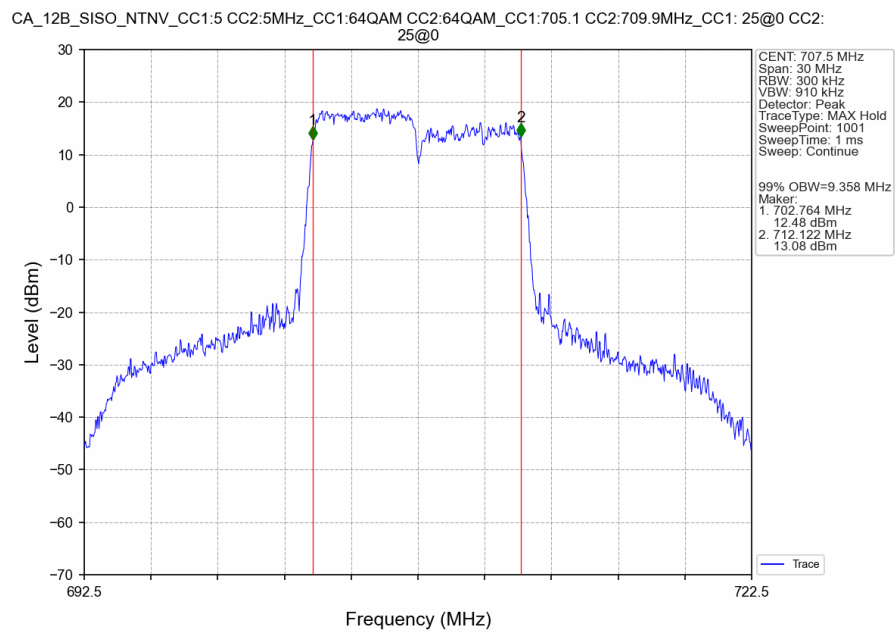
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:708.7 CC2:713.5MHz_CC1: 25@0 CC2: 25@0



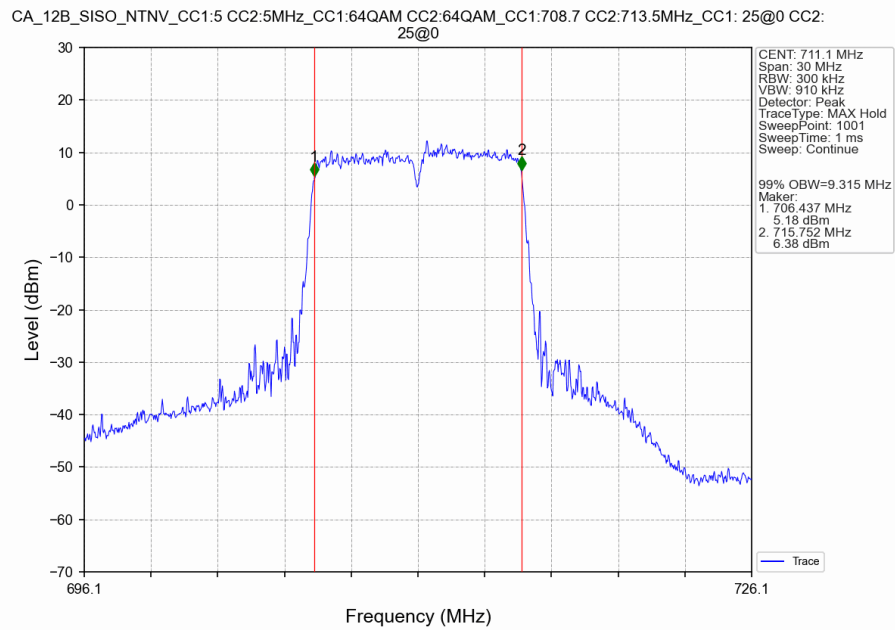
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:64QAM CC2:64QAM CC1:701.5 CC2:706.3MHz CC1: 25@0 CC2: 25@0



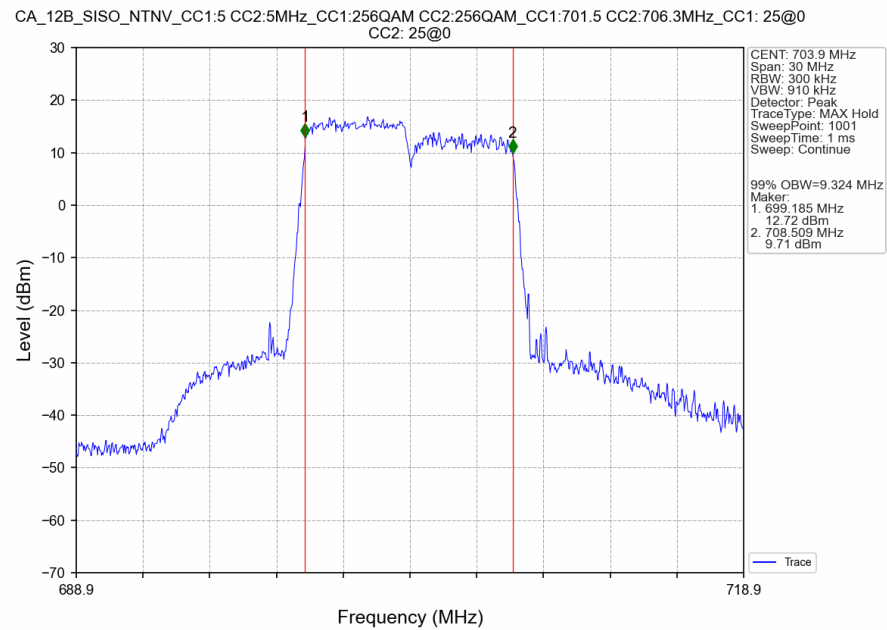
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:64QAM CC2:64QAM_CC1:705.1 CC2:709.9MHz_CC1: 25@0 CC2: 25@0



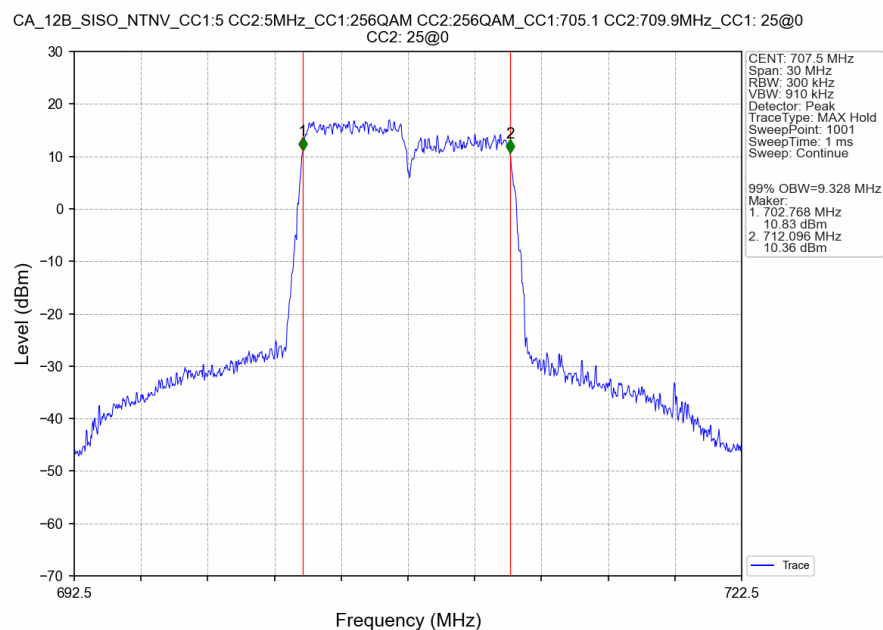
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:64QAM CC2:64QAM CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2: 25@0



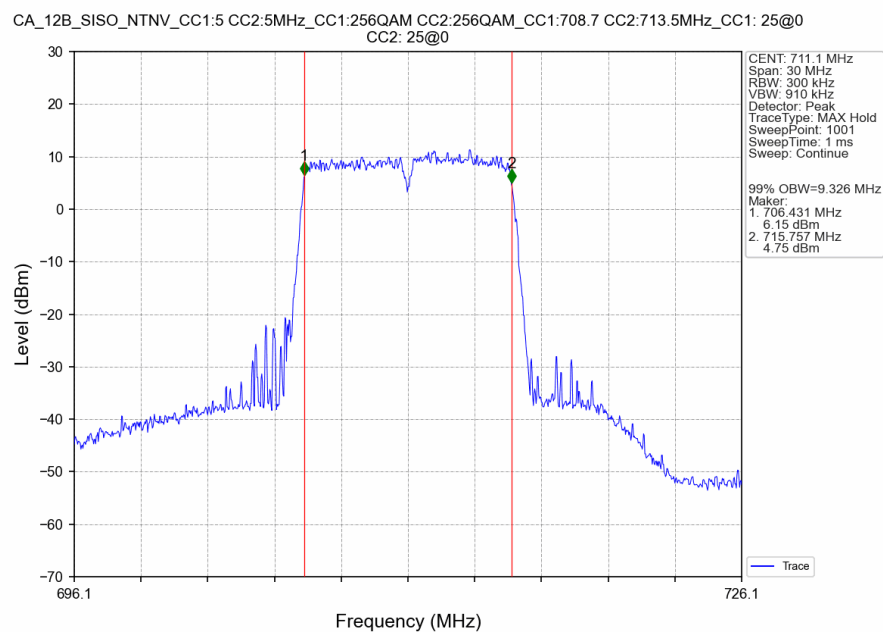
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:256QAM CC2:256QAM_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2: 25@0



CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:256QAM CC2:256QAM CC1:705.1 CC2:709.9MHz CC1: 25@0 CC2: 25@0

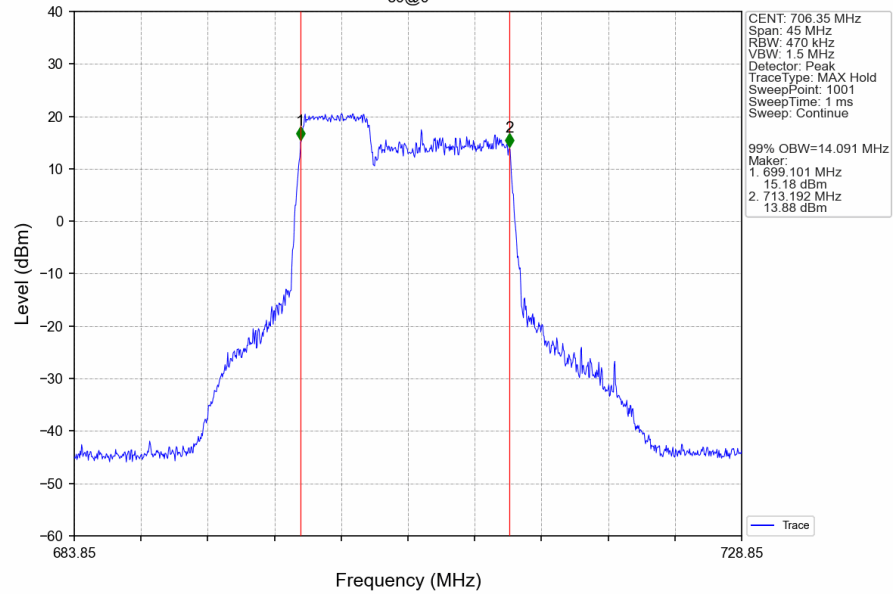


CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:256QAM CC2:256QAM_CC1:708.7 CC2:713.5MHz_CC1: 25@0 CC2: 25@0



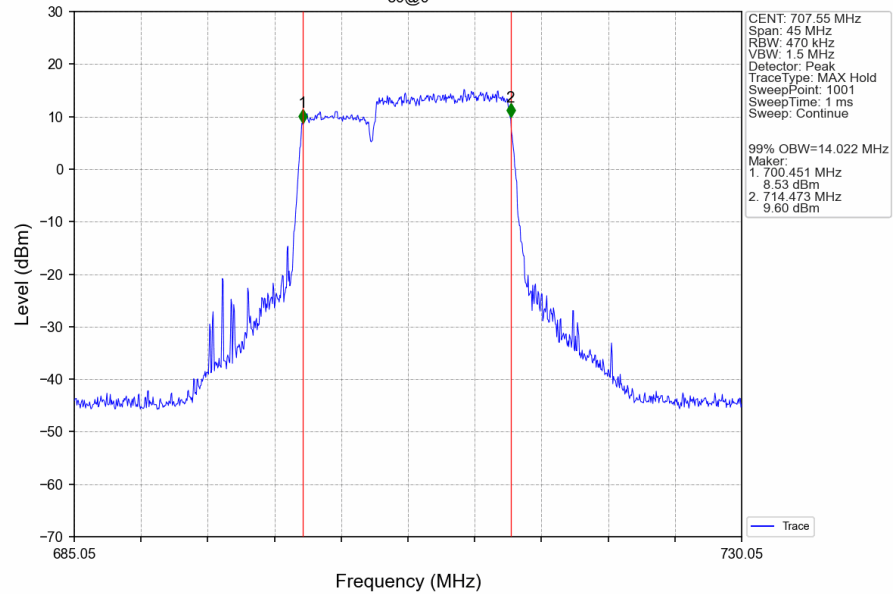
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2:
50@0

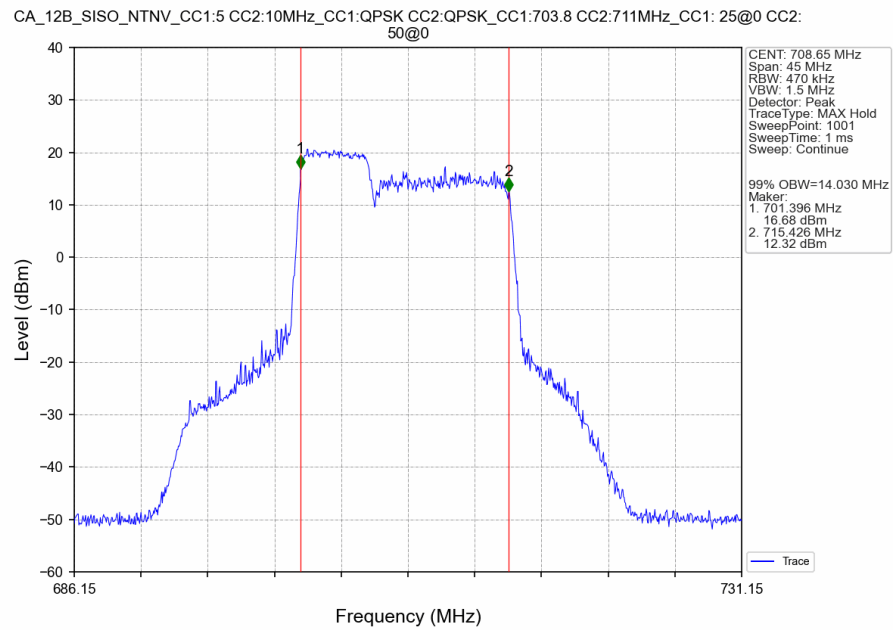


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2: 50@0

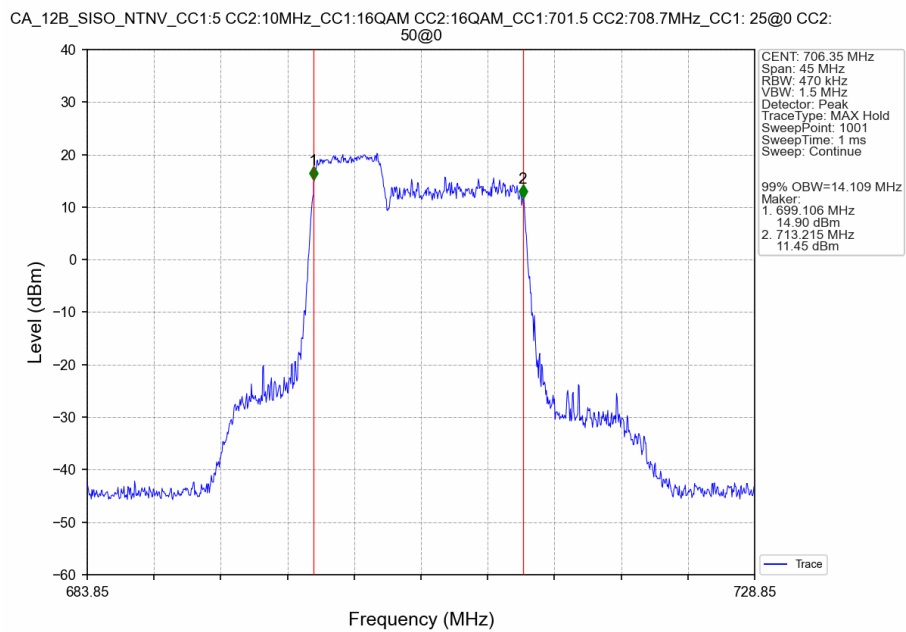
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2:
50@0



CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:703.8 CC2:711MHz CC1: 25@0 CC2: 50@0

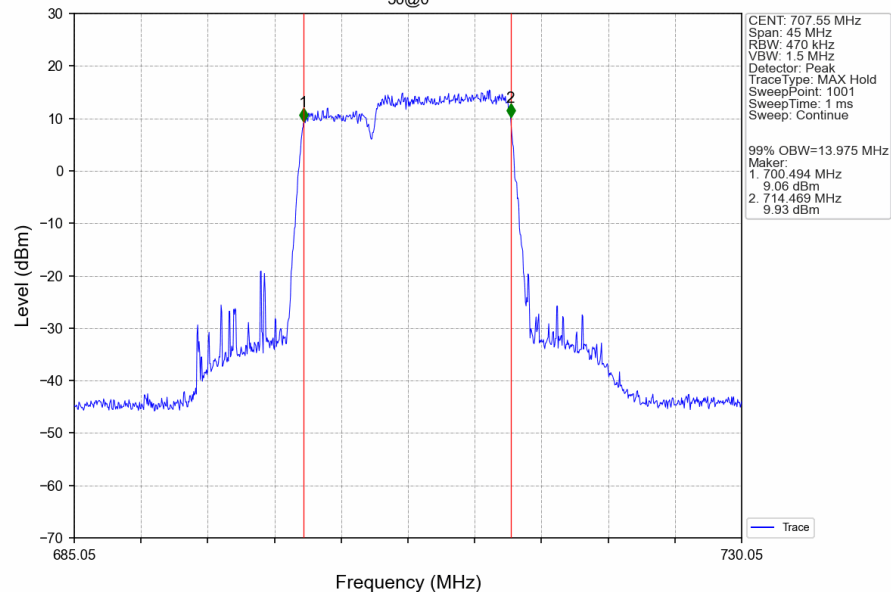


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2: 50@0



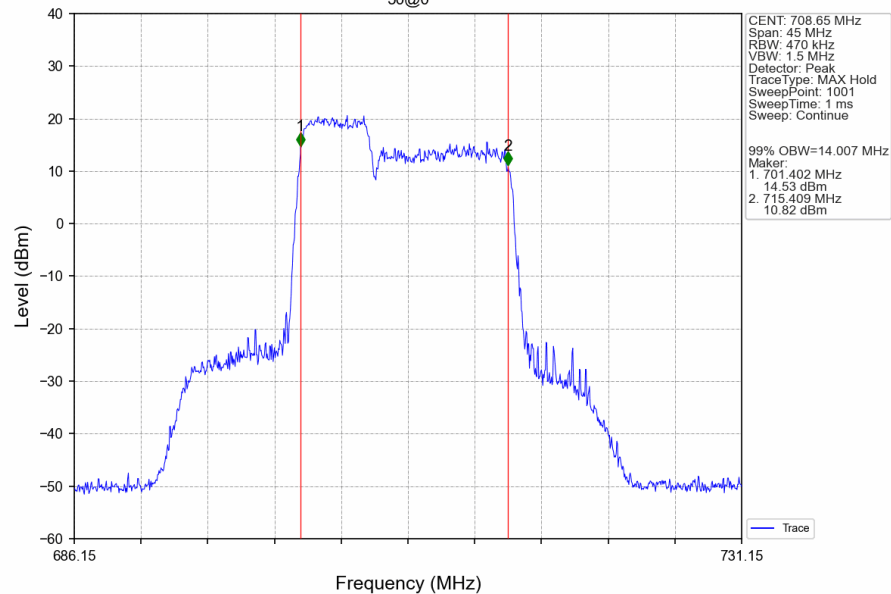
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:16QAM CC2:16QAM CC1:702.7 CC2:709.9MHz CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2:
50@0



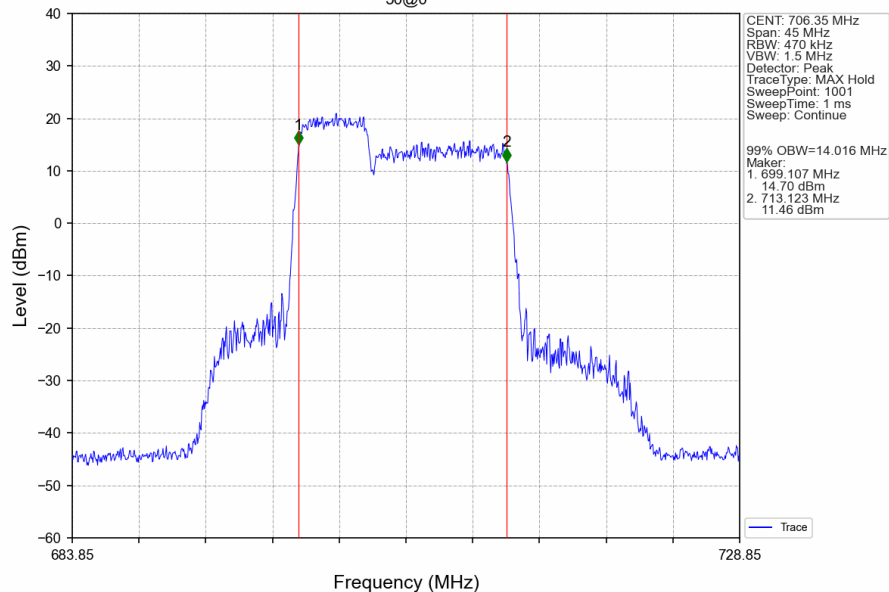
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2:
50@0



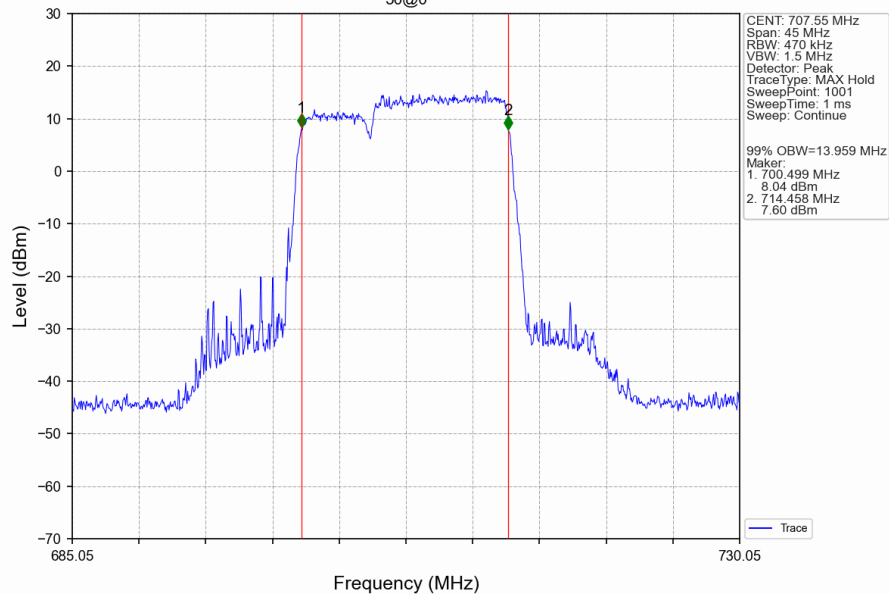
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:64QAM CC2:64QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:64QAM CC2:64QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2:
50@0

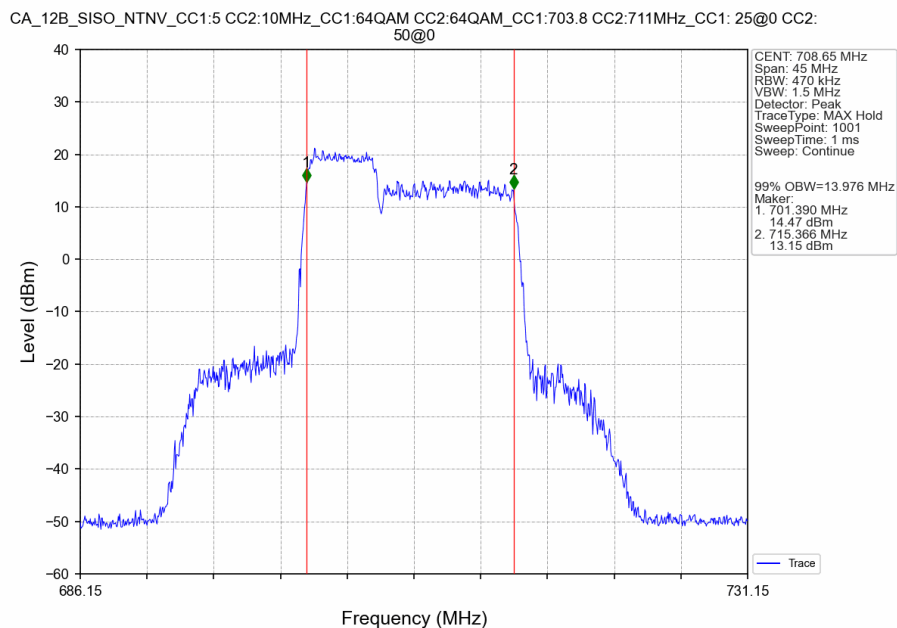


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:64QAM CC2:64QAM_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2: 50@0

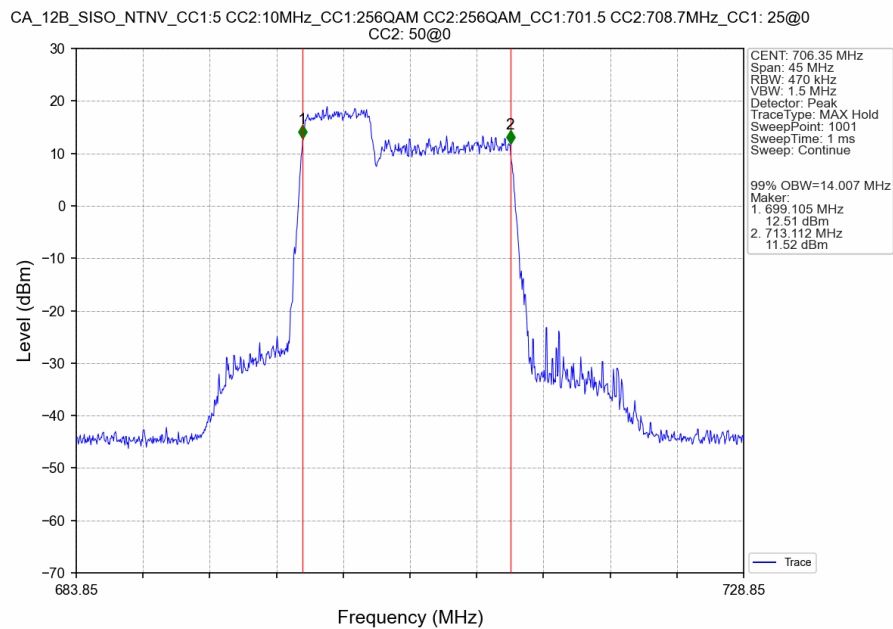
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:64QAM CC2:64QAM_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2:
50@0



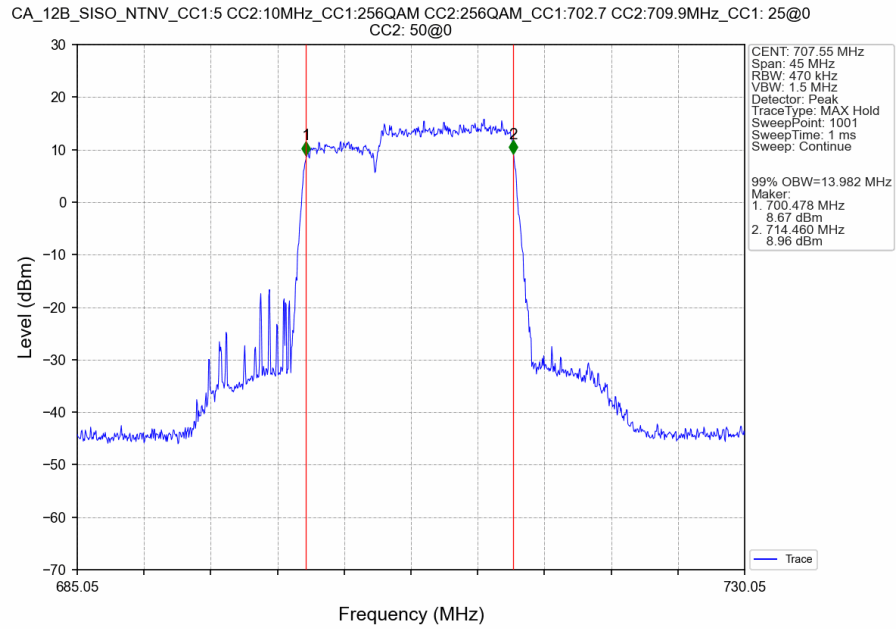
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:64QAM CC2:64QAM CC1:703.8 CC2:711MHz CC1: 25@0 CC2: 50@0



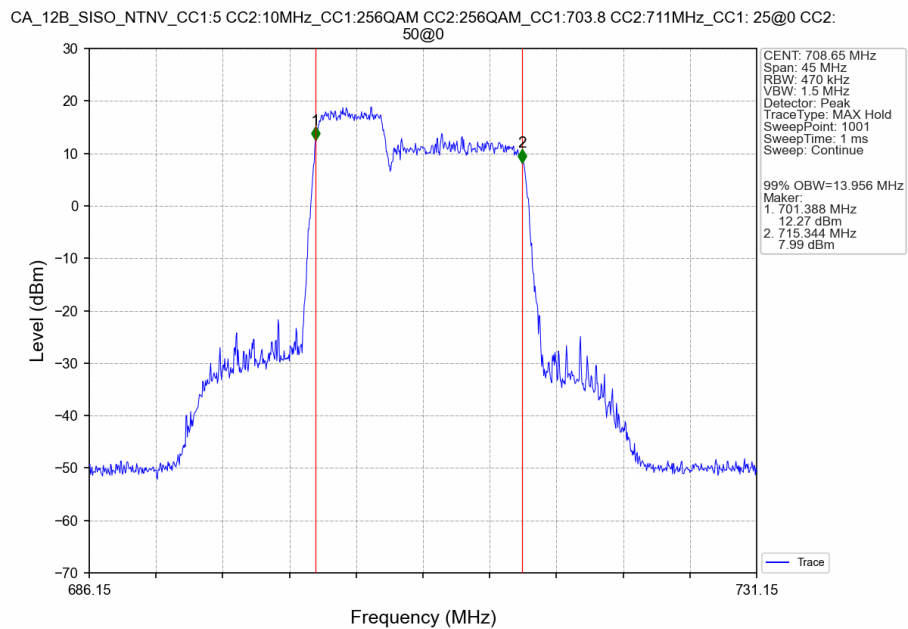
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2: 50@0



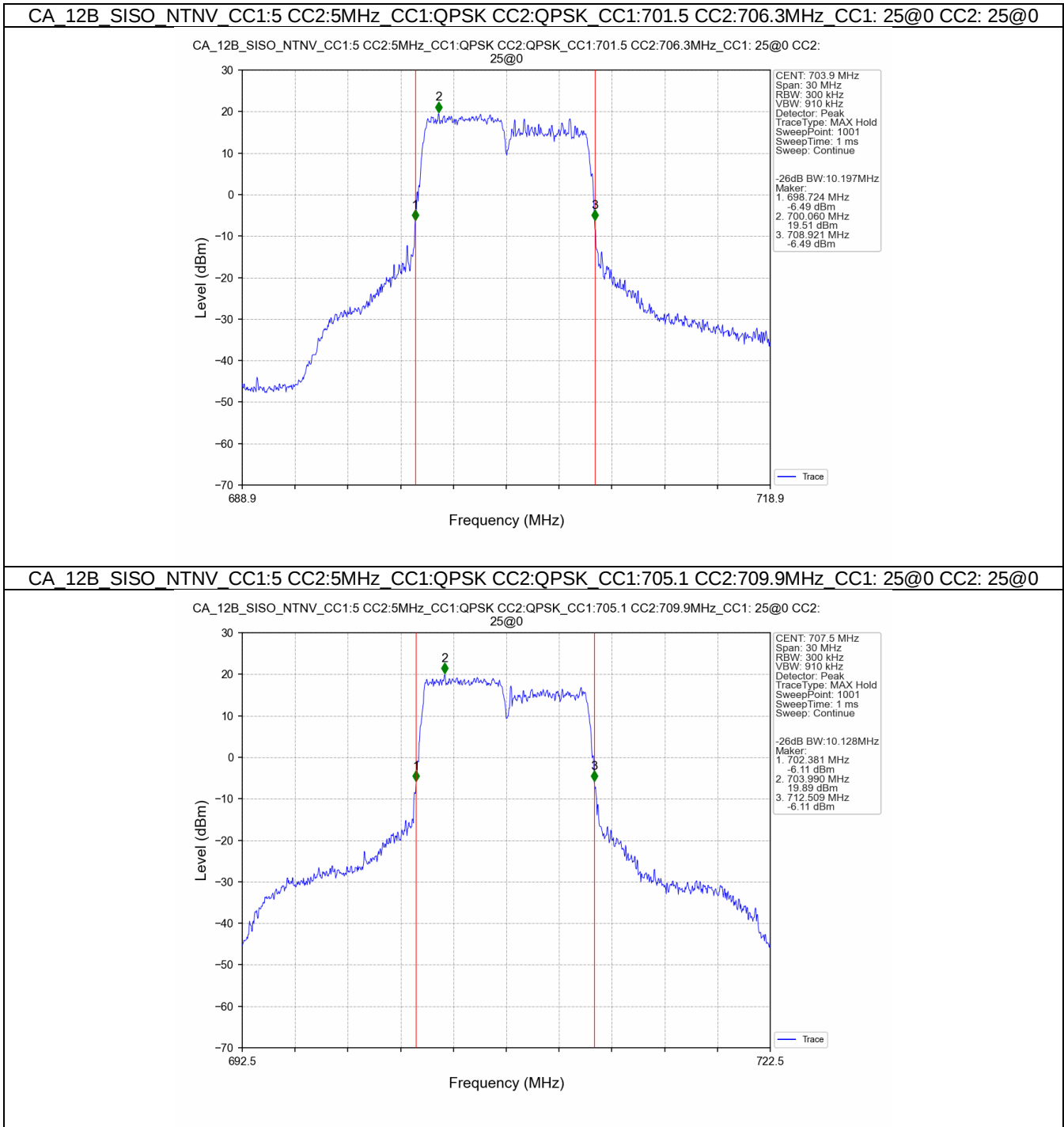
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2: 50@0



CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2: 50@0

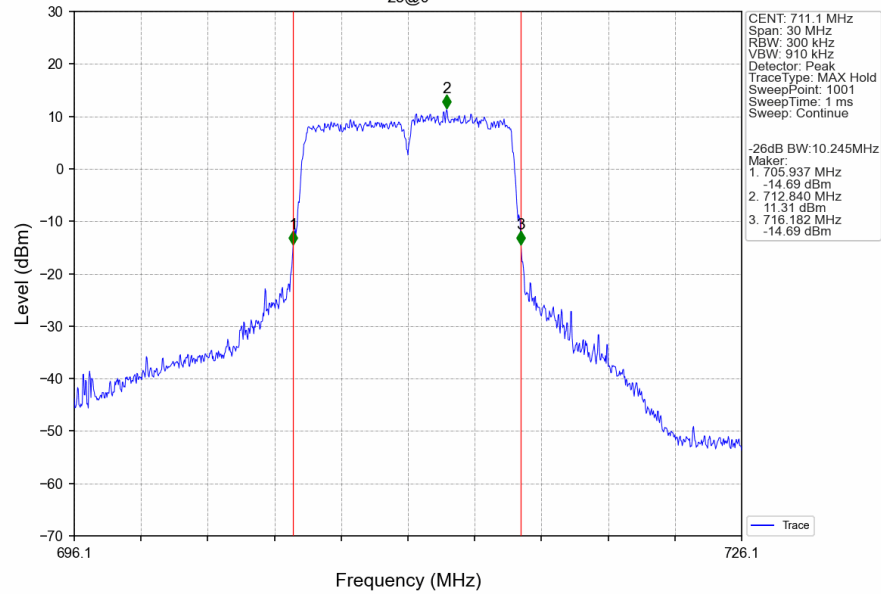


2.2.2 CA_12B_NTNV_XDB



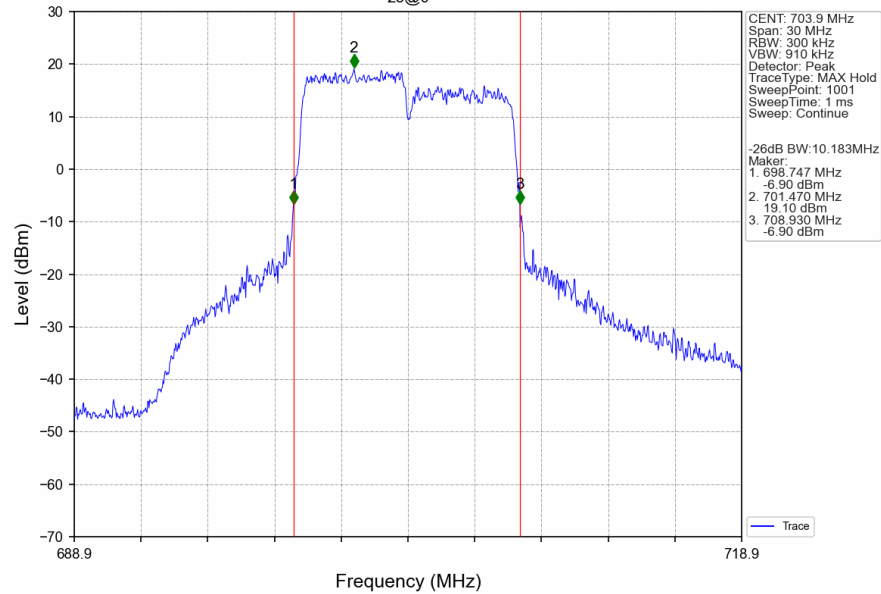
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:QPSK CC2:QPSK CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2: 25@0

CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:708.7 CC2:713.5MHz_CC1: 25@0 CC2:
25@0



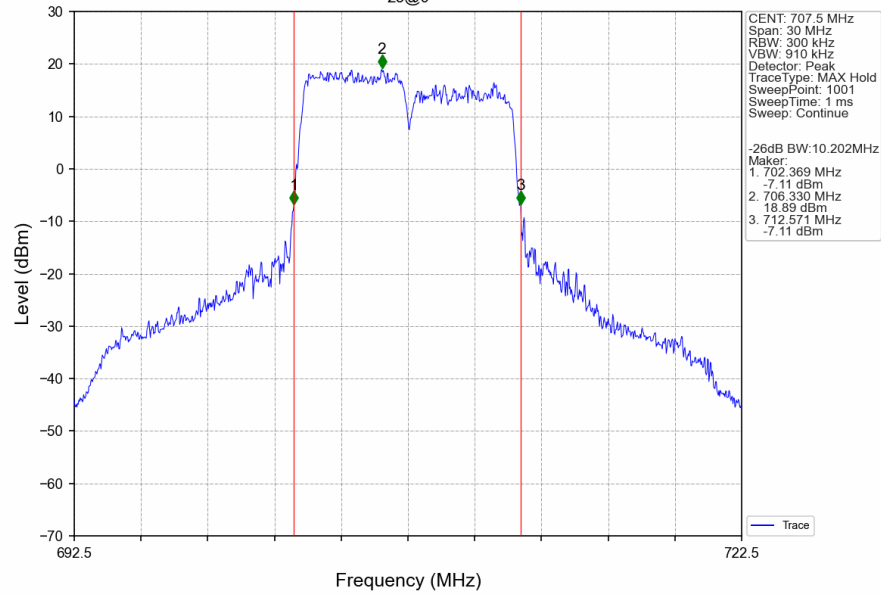
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2: 25@0

CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2:
25@0



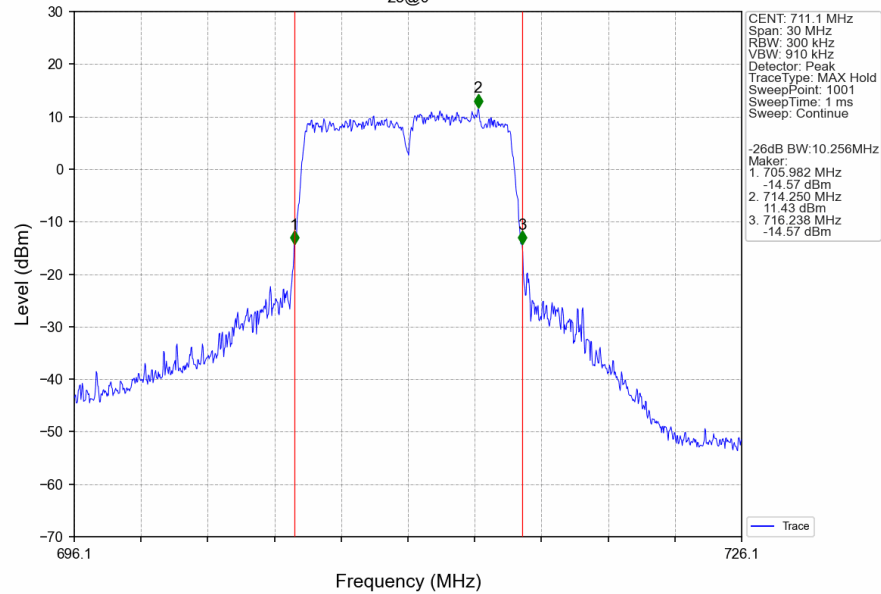
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:16QAM CC2:16QAM CC1:705.1 CC2:709.9MHz CC1: 25@0 CC2: 25@0

CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:16QAM CC2:16QAM CC1:705.1 CC2:709.9MHz CC1: 25@0 CC2:
25@0

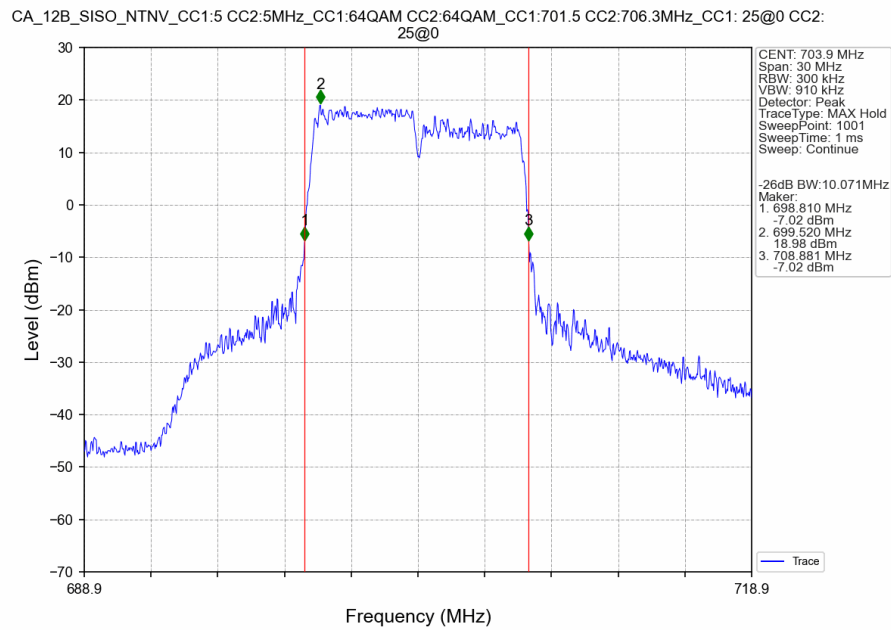


CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:16QAM CC2:16QAM CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2: 25@0

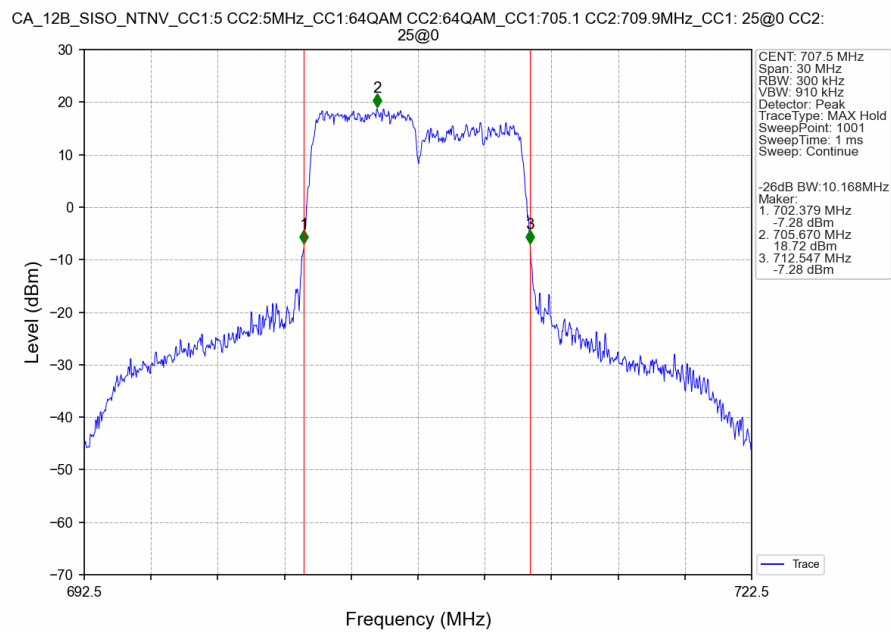
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:16QAM CC2:16QAM CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2:
25@0



CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:64QAM CC2:64QAM CC1:701.5 CC2:706.3MHz CC1: 25@0 CC2: 25@0

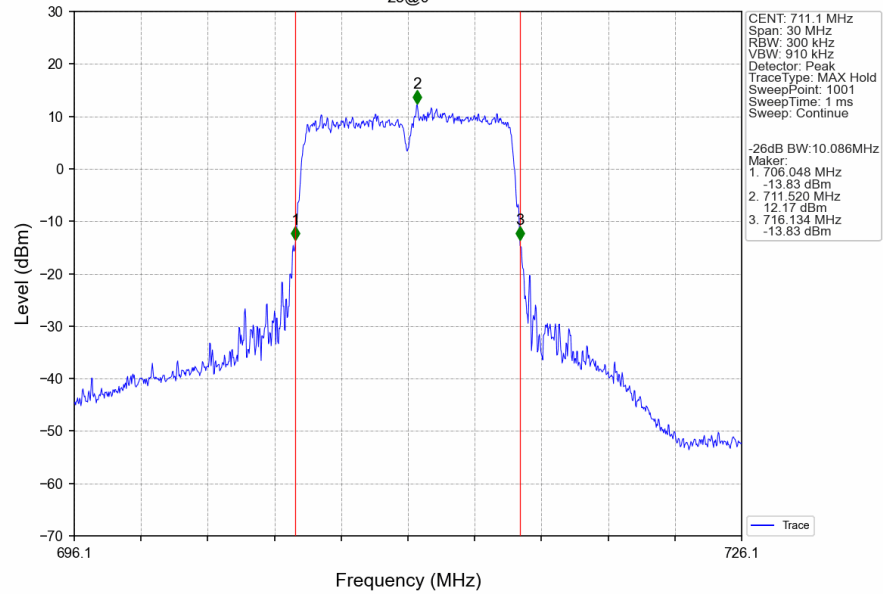


CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:64QAM CC2:64QAM_CC1:705.1 CC2:709.9MHz_CC1: 25@0 CC2: 25@0



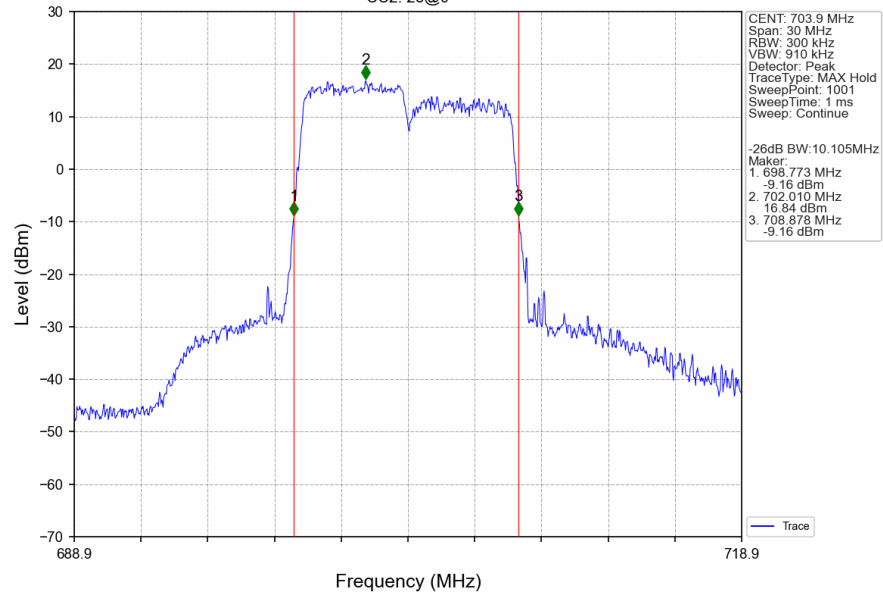
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:64QAM CC2:64QAM CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2: 25@0

CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:64QAM CC2:64QAM_CC1:708.7 CC2:713.5MHz_CC1: 25@0 CC2:
25@0

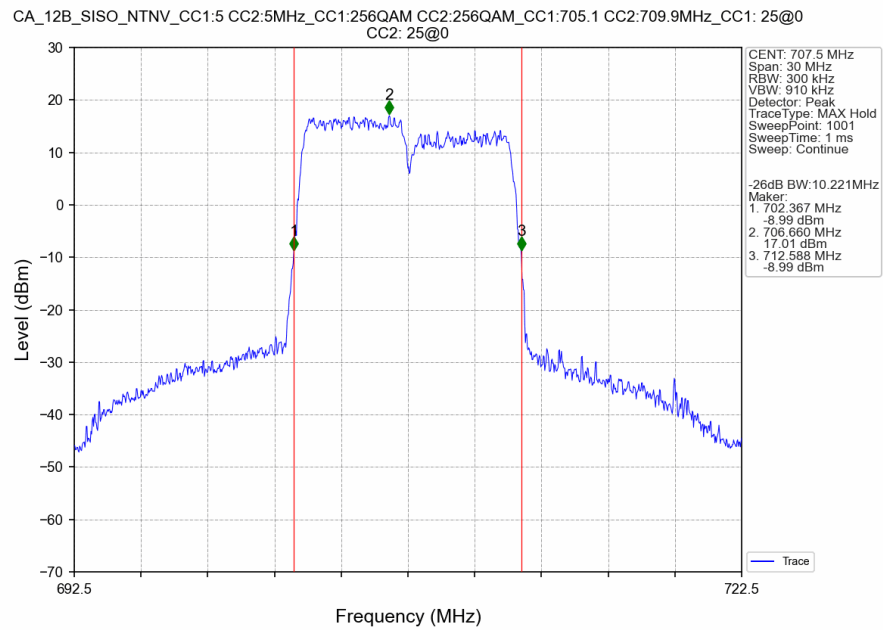


CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:256QAM CC2:256QAM_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2: 25@0

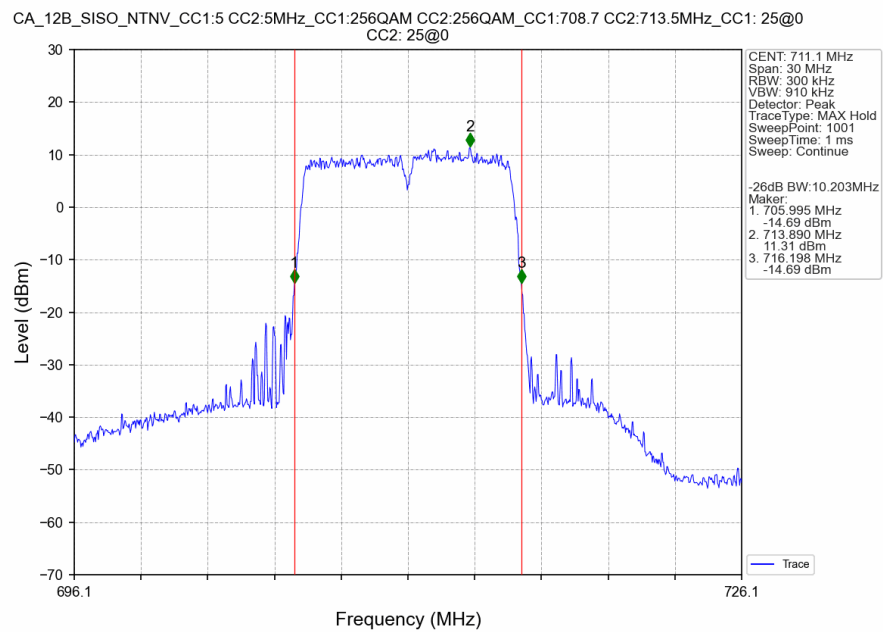
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:256QAM CC2:256QAM_CC1:701.5 CC2:706.3MHz_CC1: 25@0
CC2: 25@0



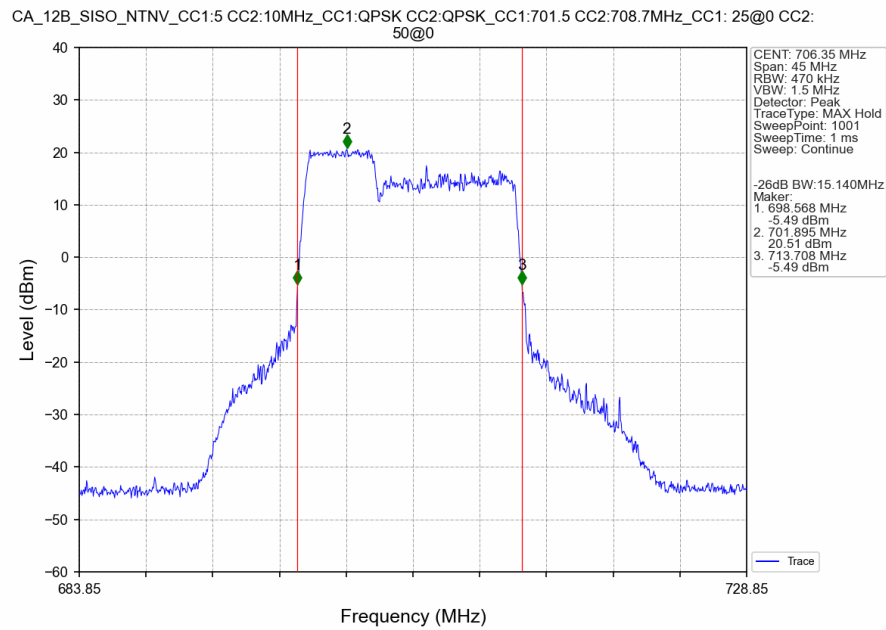
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:256QAM CC2:256QAM CC1:705.1 CC2:709.9MHz CC1: 25@0 CC2: 25@0



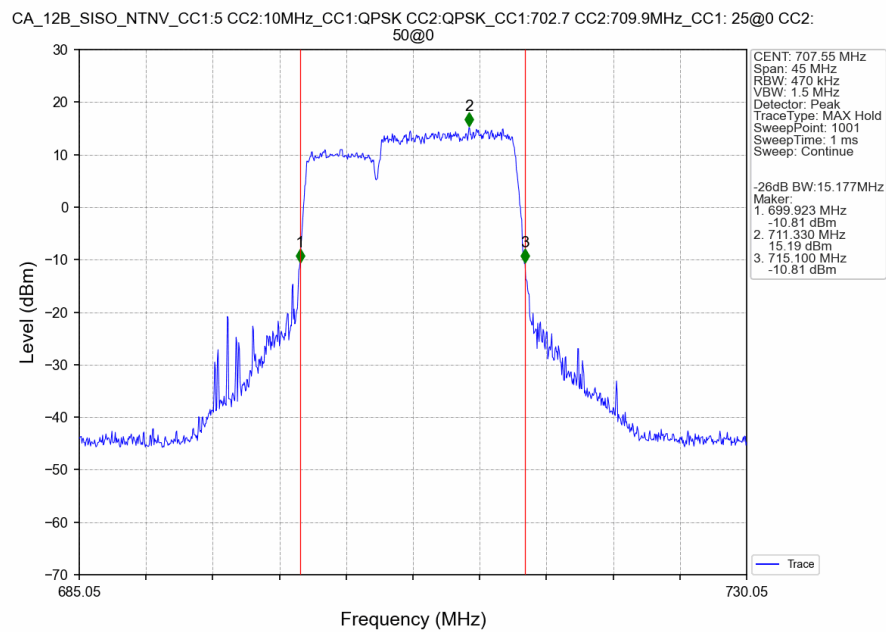
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:256QAM CC2:256QAM_CC1:708.7 CC2:713.5MHz_CC1: 25@0 CC2: 25@0



CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:701.5 CC2:708.7MHz CC1: 25@0 CC2: 50@0

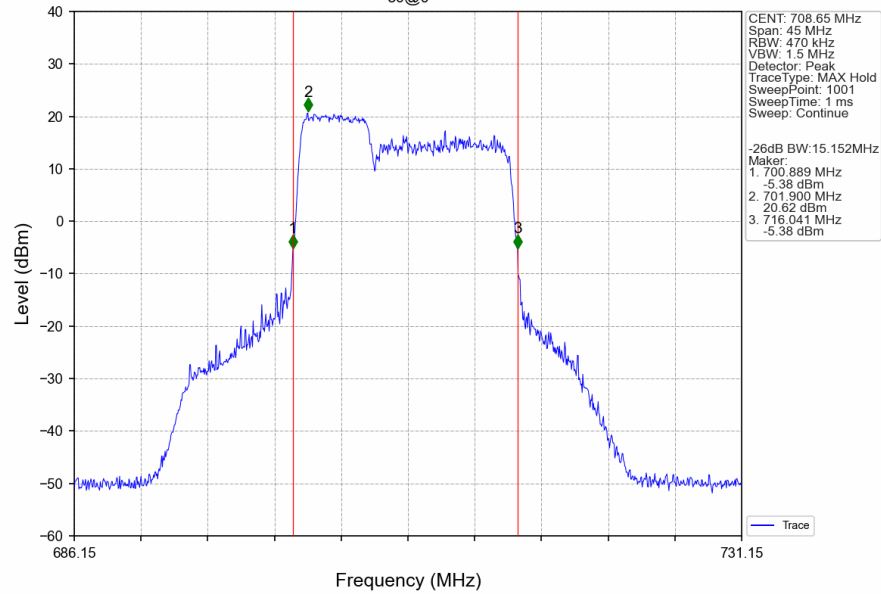


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:702.7 CC2:709.9MHz CC1: 25@0 CC2: 50@0



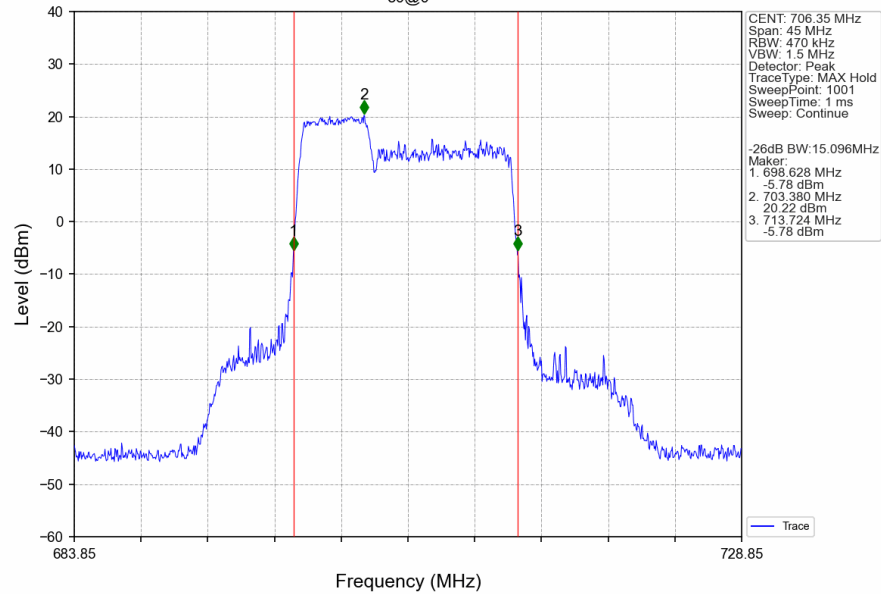
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:703.8 CC2:711MHz CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2:
50@0



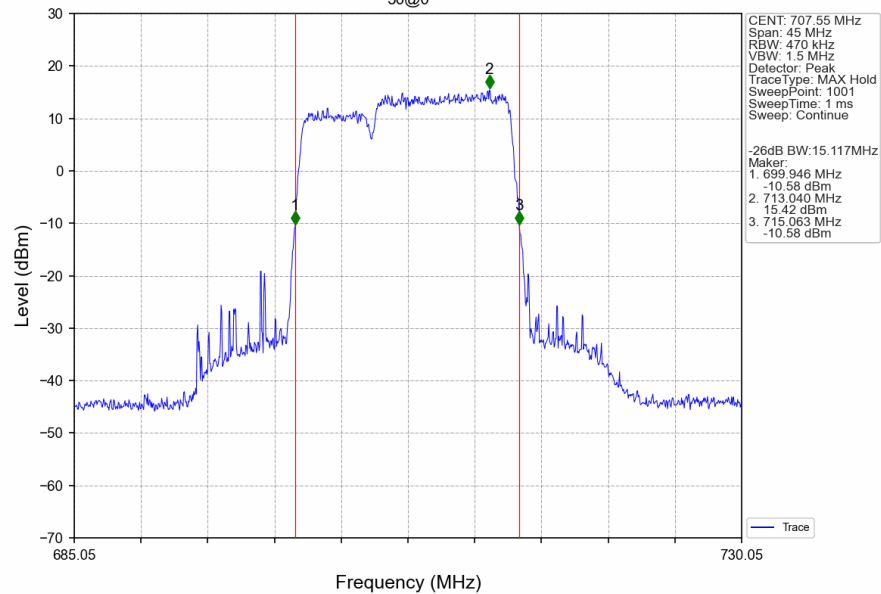
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2:
50@0



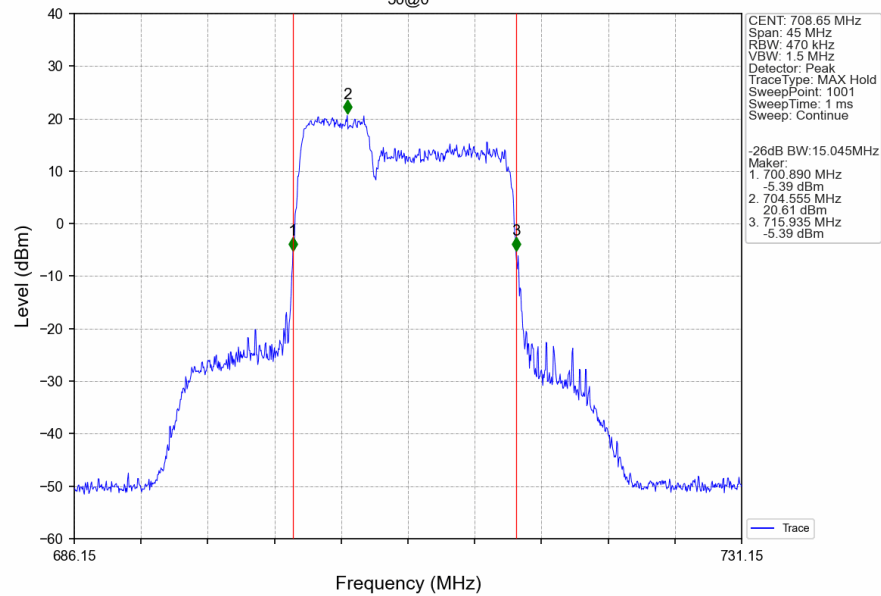
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:16QAM CC2:16QAM CC1:702.7 CC2:709.9MHz CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2:
50@0



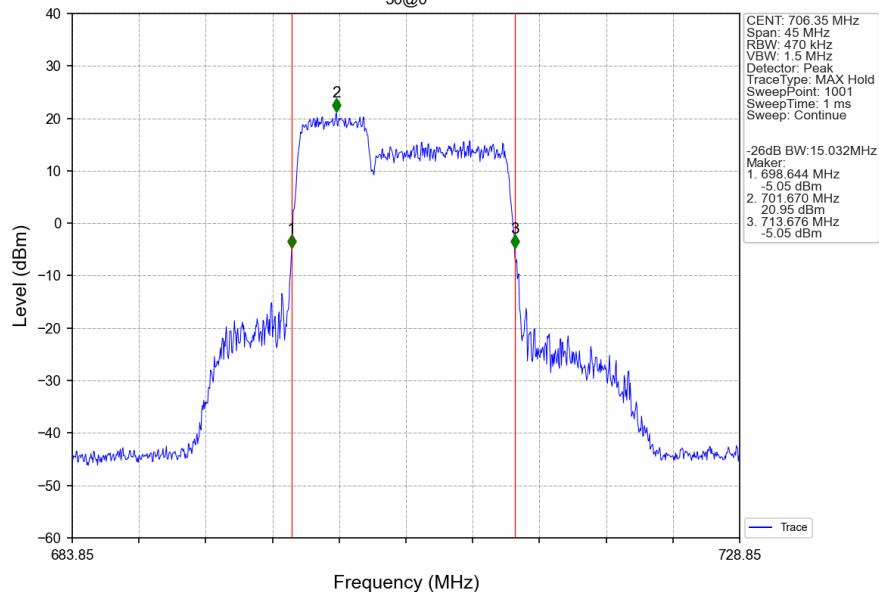
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2:
50@0



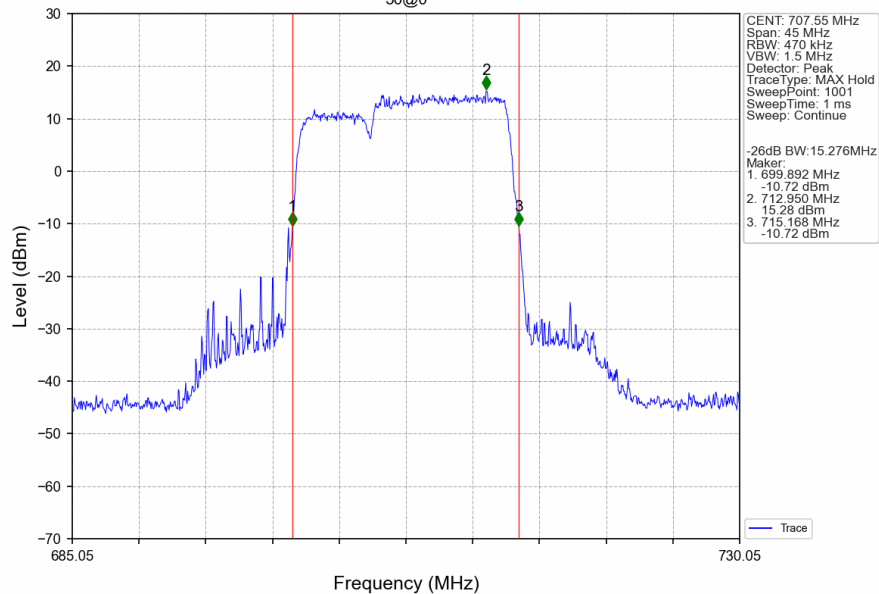
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:64QAM CC2:64QAM CC1:701.5 CC2:708.7MHz CC1: 25@0 CC2: 50@0

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:64QAM CC2:64QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2:
50@0

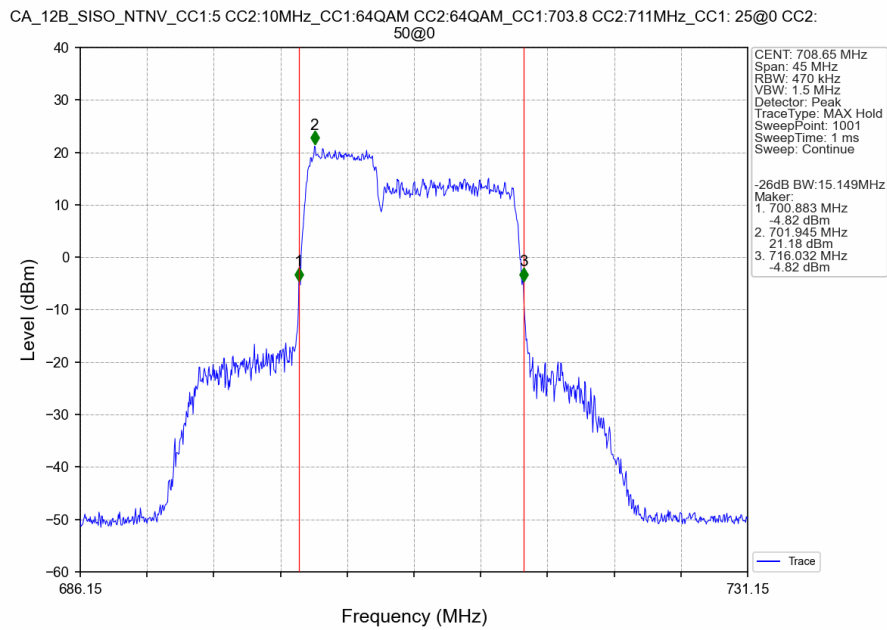


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:64QAM CC2:64QAM CC1:702.7 CC2:709.9MHz CC1: 25@0 CC2: 50@0

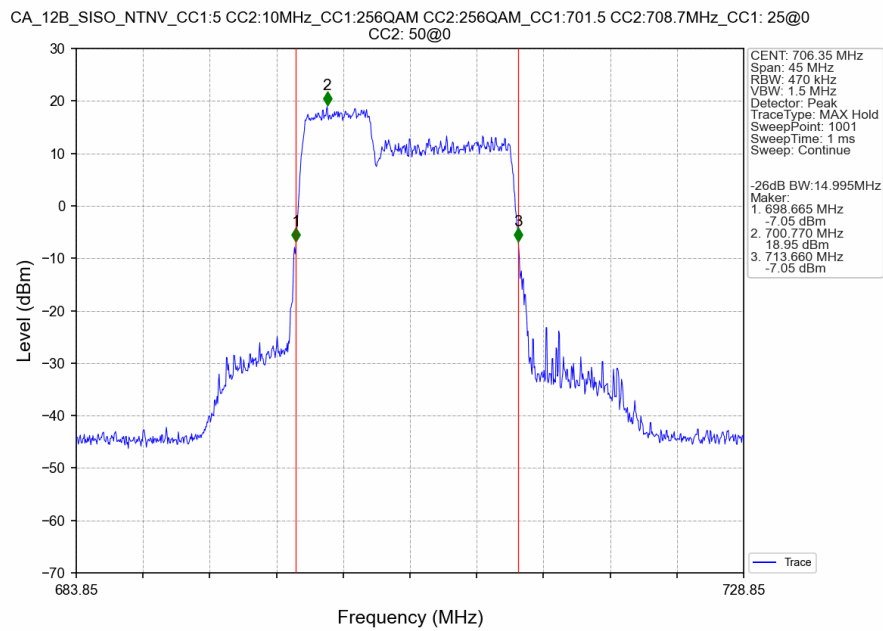
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:64QAM CC2:64QAM_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2:
50@0



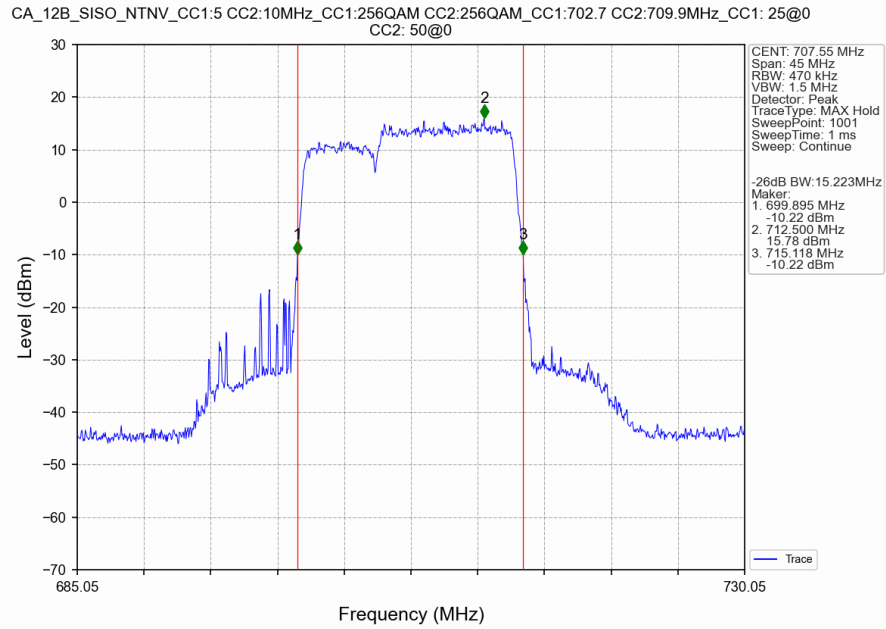
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:64QAM CC2:64QAM CC1:703.8 CC2:711MHz CC1: 25@0 CC2: 50@0



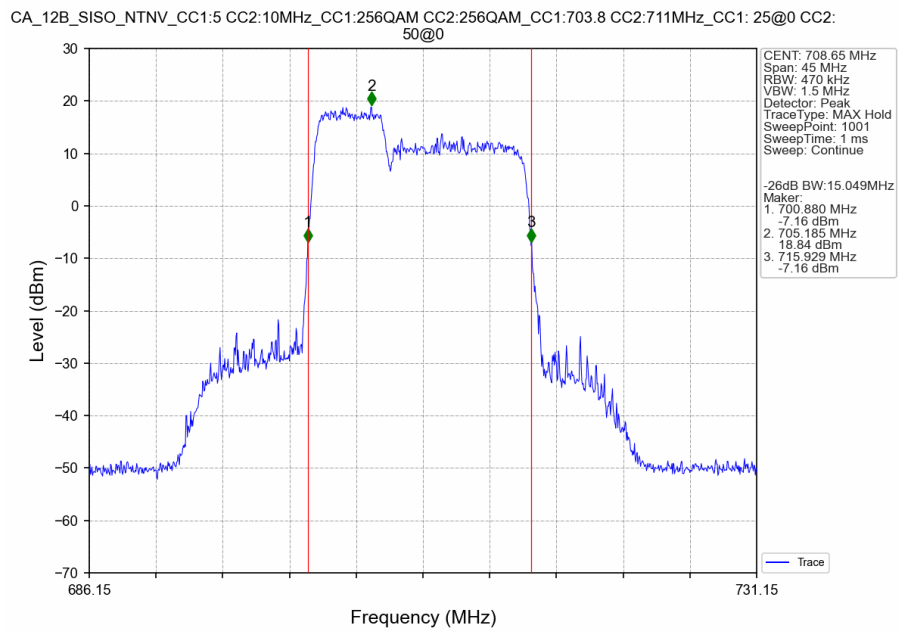
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:701.5 CC2:708.7MHz_CC1: 25@0 CC2: 50@0



CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:702.7 CC2:709.9MHz_CC1: 25@0 CC2: 50@0



CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2: 50@0



3. Spurious Emission

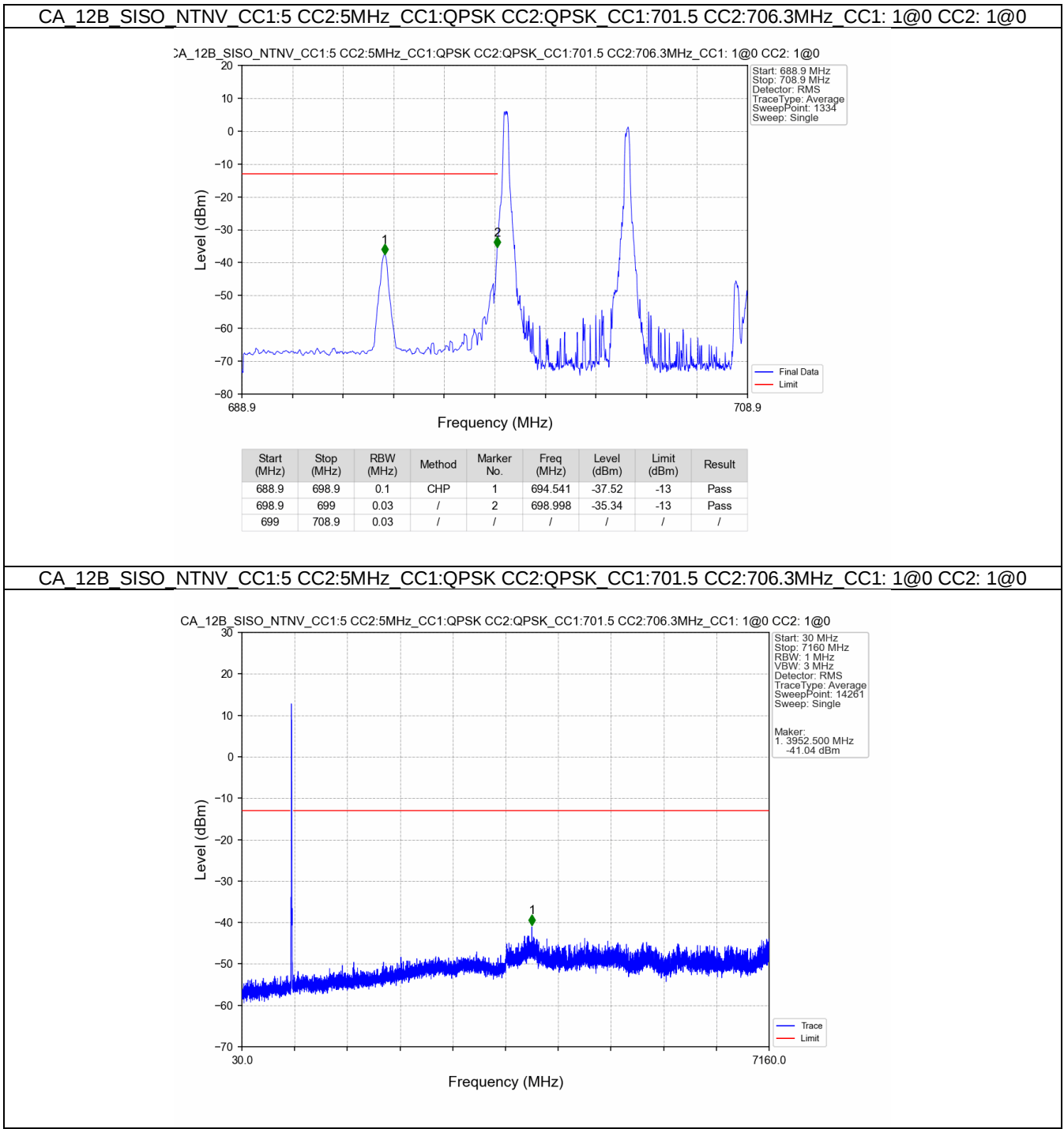
3.1 Test Result

3.1.1 CA_12B_NTNV

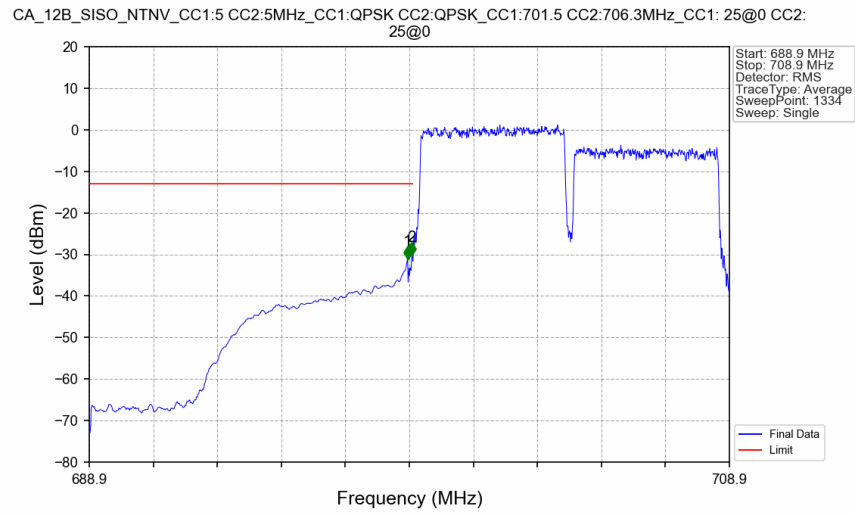
Band: CA_12B / NTN								
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
				CC1	CC2	Sum	Limit	
CC1:5 CC2:5	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:706.3	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 25@0 CC2: 25@0	Refer To Test Graph				Pass
		CC1:708.7 CC2:713.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@24 CC2: 1@24	Refer To Test Graph				Pass
			CC1: 25@0 CC2: 25@0	Refer To Test Graph				Pass
CC1:5 CC2:10	CC1: QPSK CC2: QPSK	CC1:701.5 CC2:708.7	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 25@0 CC2: 50@0	Refer To Test Graph				Pass
		CC1:703.8 CC2:711	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@24 CC2: 1@49	Refer To Test Graph				Pass
			CC1: 25@0 CC2: 50@0	Refer To Test Graph				Pass

3.2 Test Graph

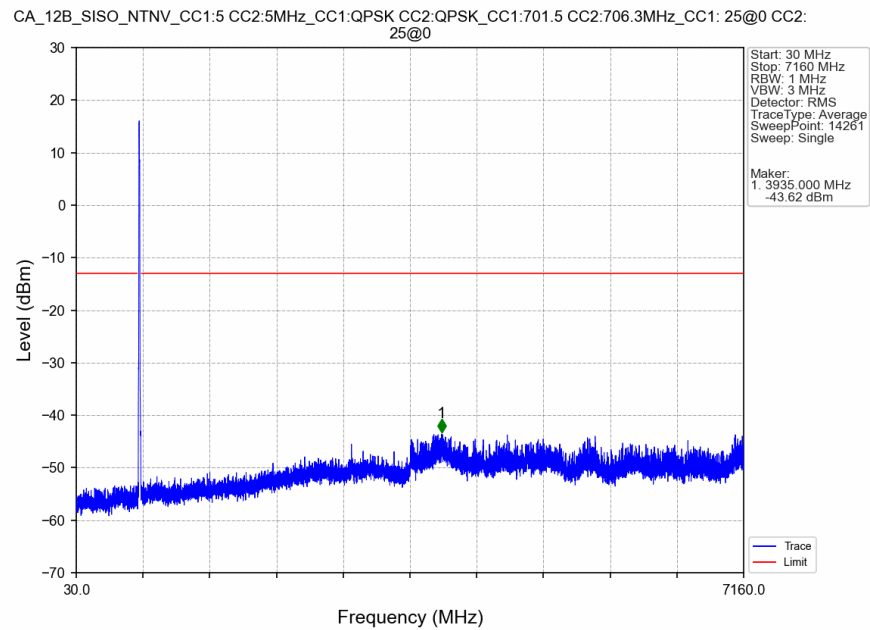
3.2.1 CA_12B_NTNV



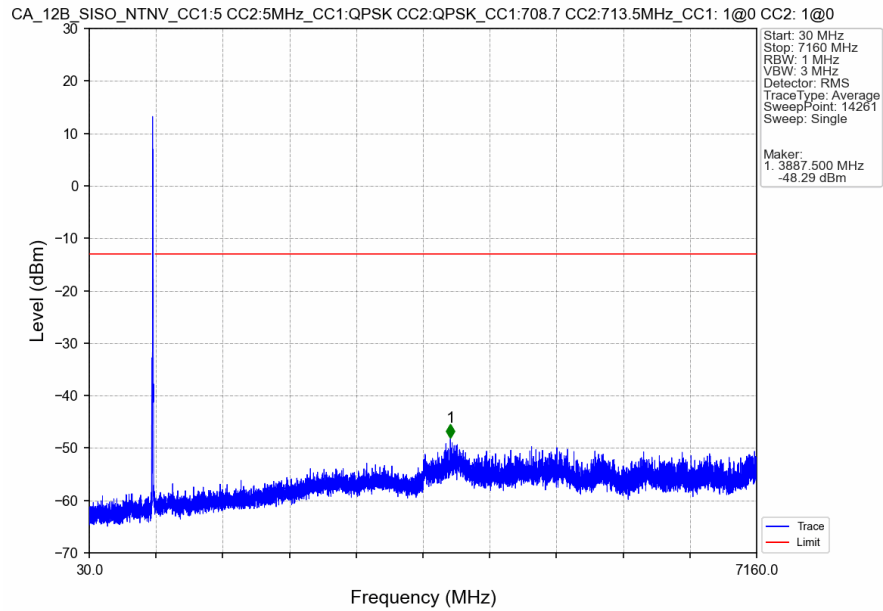
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2: 25@0



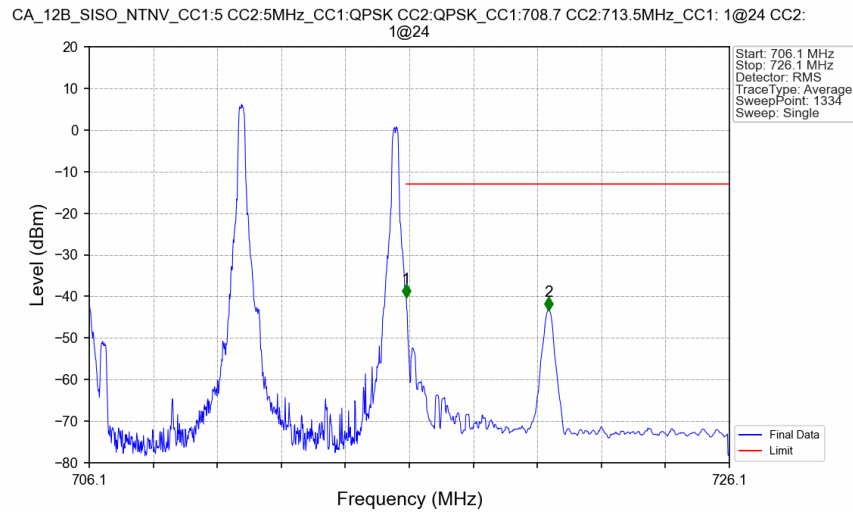
CA_12B_SISO_NTNV_CC1:5 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:701.5 CC2:706.3MHz_CC1: 25@0 CC2: 25@0



CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:QPSK CC2:QPSK CC1:708.7 CC2:713.5MHz CC1: 1@0 CC2: 1@0

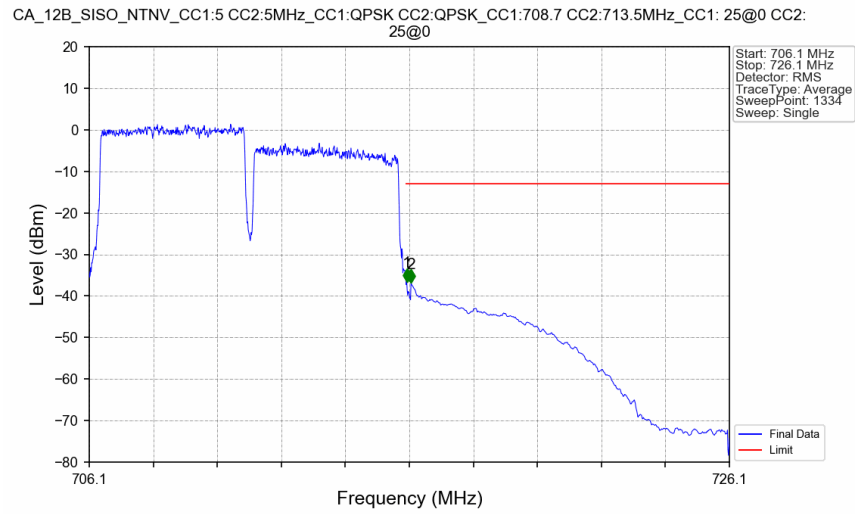


CA_12B_SISO_NTNV_CC1:5 CC2:5MHz CC1:QPSK CC2:QPSK CC1:708.7 CC2:713.5MHz_CC1: 1@24 CC2: 1@24

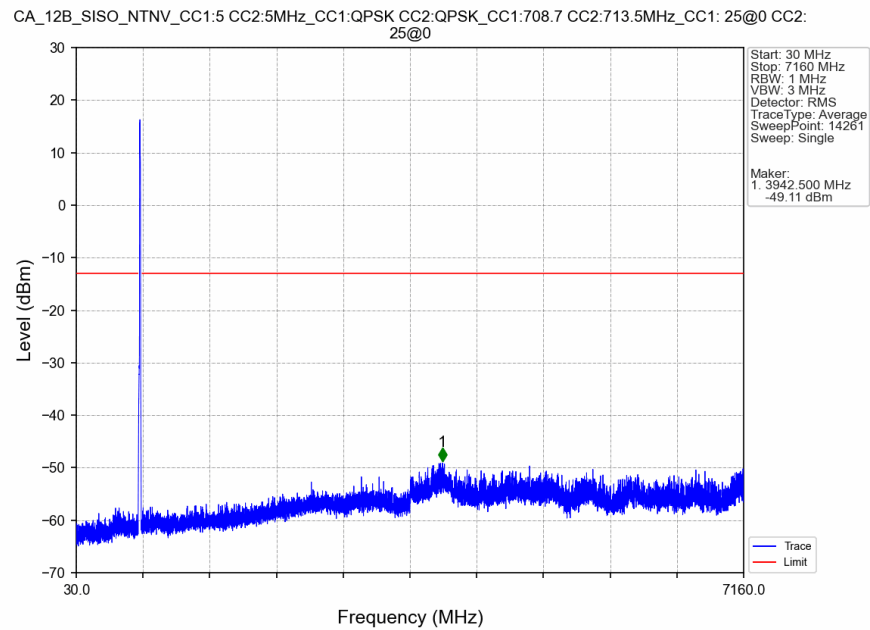


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706.1	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.002	-40.23	-13	Pass
716.1	726.1	0.1	CHP	2	720.444	-43.28	-13	Pass

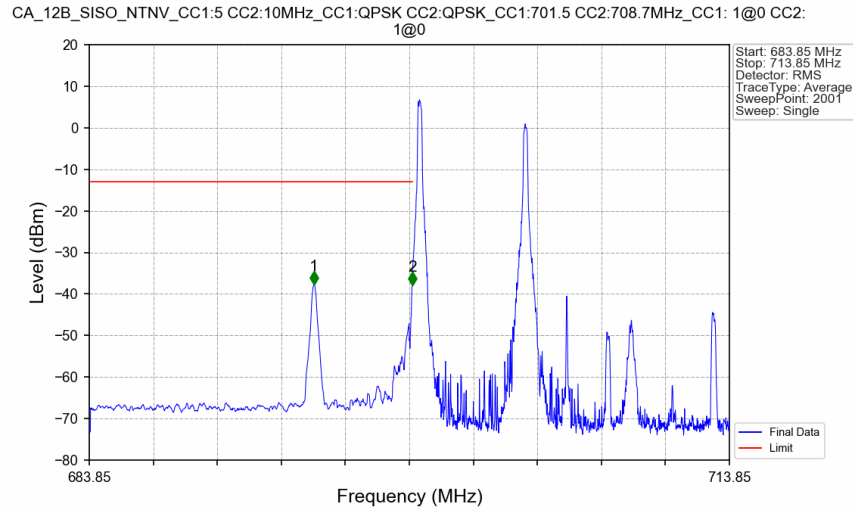
CA 12B SISO NTN_V CC1:5 CC2:5MHz CC1:QPSK CC2:QPSK CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2: 25@0



CA 12B SISO NTN_V CC1:5 CC2:5MHz CC1:QPSK CC2:QPSK CC1:708.7 CC2:713.5MHz CC1: 25@0 CC2: 25@0

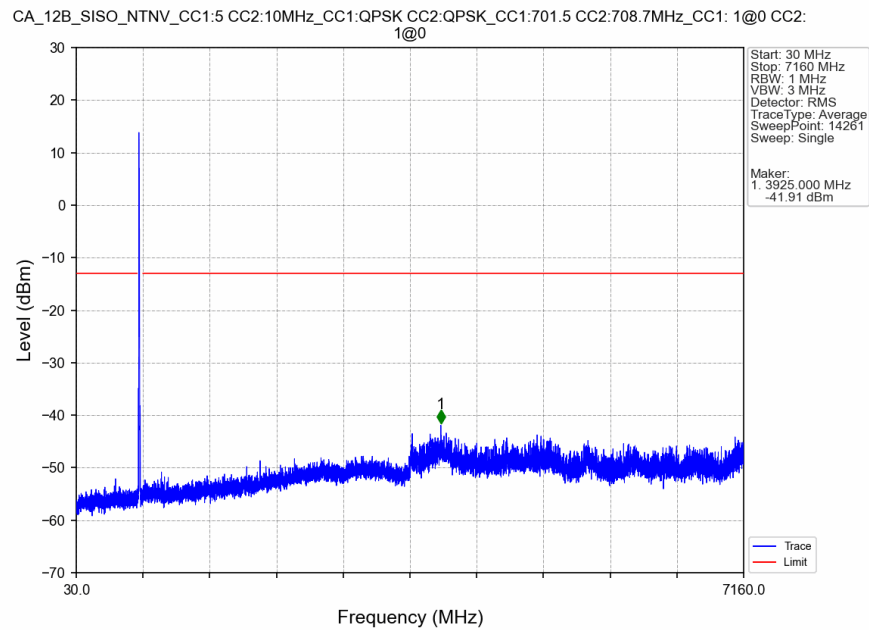


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:701.5 CC2:708.7MHz_CC1: 1@0 CC2: 1@0

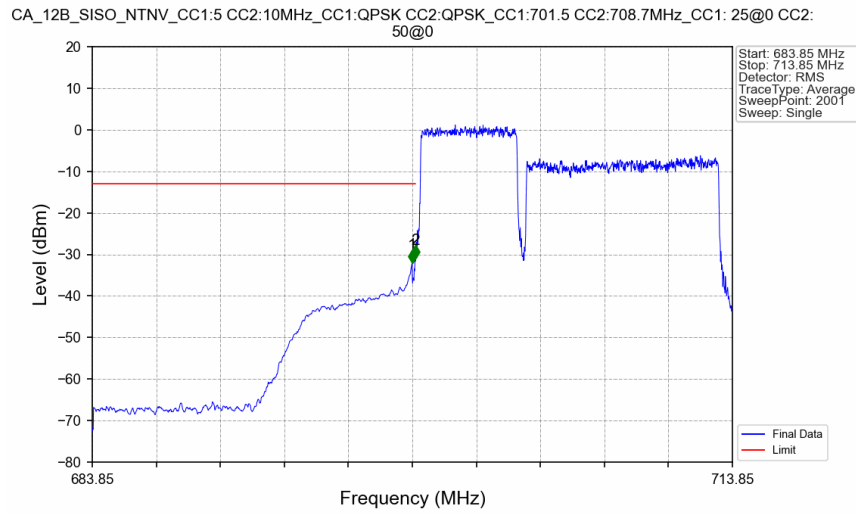


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683.85	698.9	0.1	CHP	1	694.380	-37.64	-13	Pass
698.9	699	0.03	/	2	698.985	-37.88	-13	Pass
699	713.85	0.03	/	/	/	/	/	/

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:701.5 CC2:708.7MHz_CC1: 1@0 CC2: 1@0

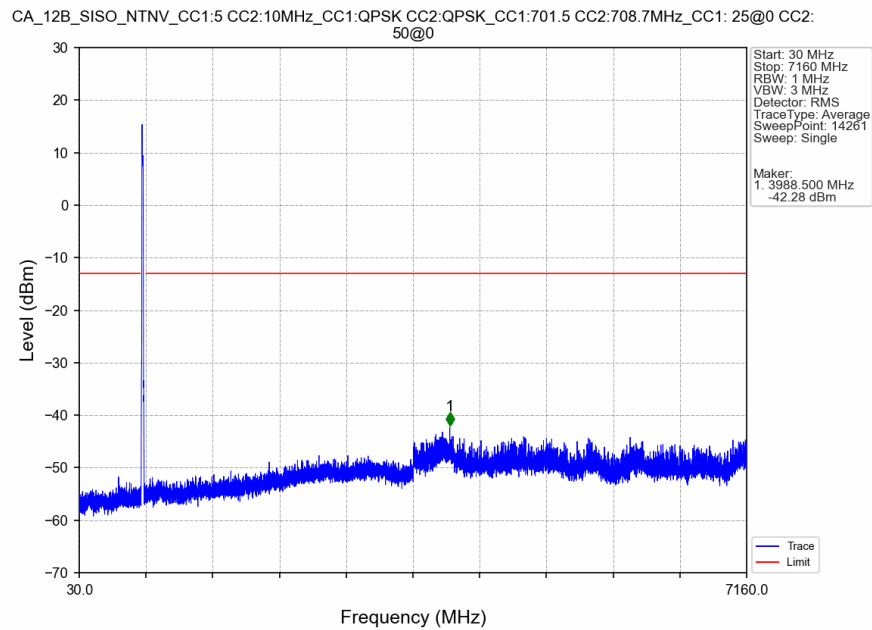


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:701.5 CC2:708.7MHz CC1: 25@0 CC2: 50@0

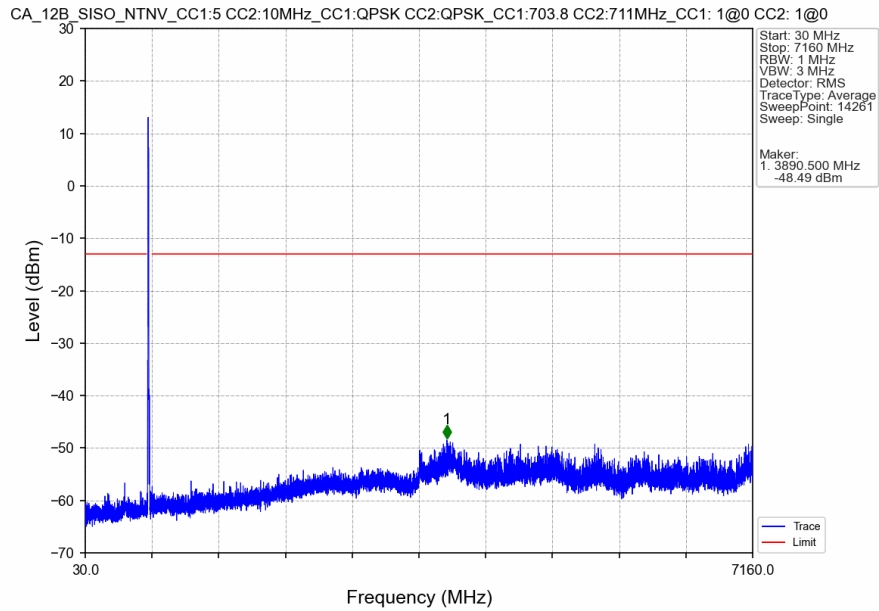


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683.85	698.9	0.1	CHP	1	698.835	-32.10	-13	Pass
698.9	699	0.03	/	2	698.985	-30.89	-13	Pass
699	713.85	0.03	/	/	/	/	/	/

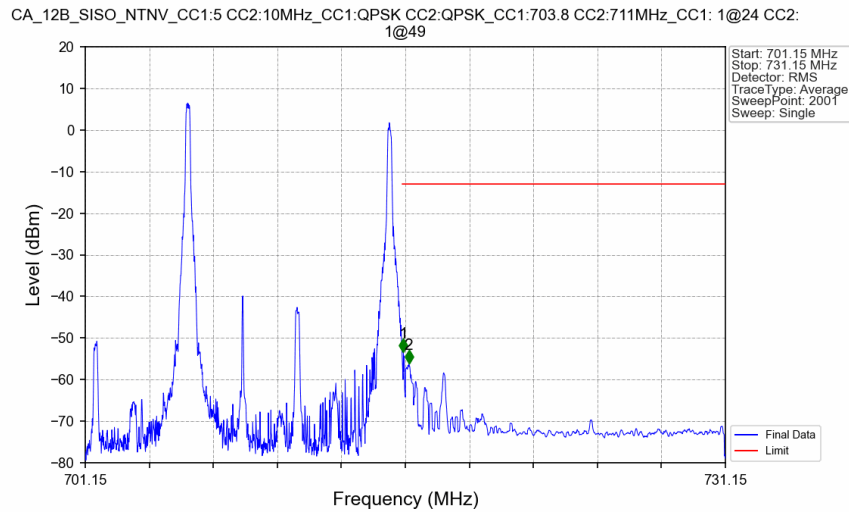
CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:701.5 CC2:708.7MHz CC1: 25@0 CC2: 50@0



CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:703.8 CC2:711MHz CC1: 1@0 CC2: 1@0

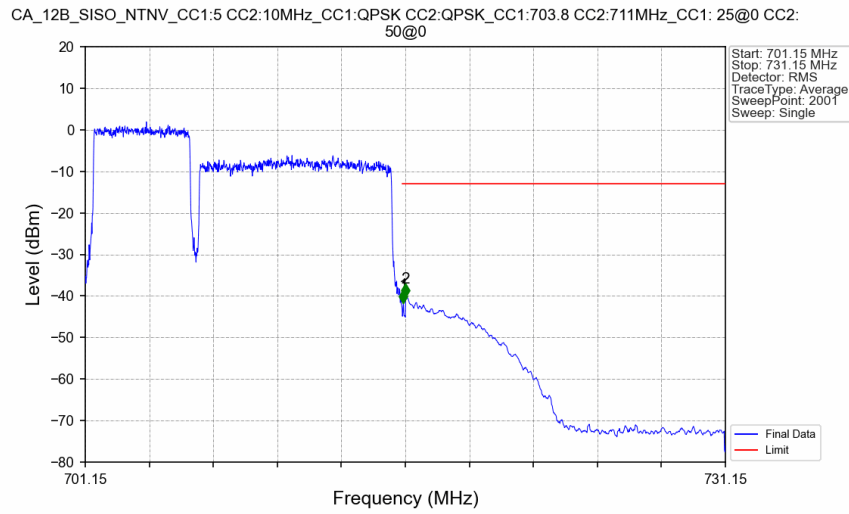


CA_12B_SISO_NTNV_CC1:5 CC2:10MHz CC1:QPSK CC2:QPSK CC1:703.8 CC2:711MHz_CC1: 1@24 CC2: 1@49

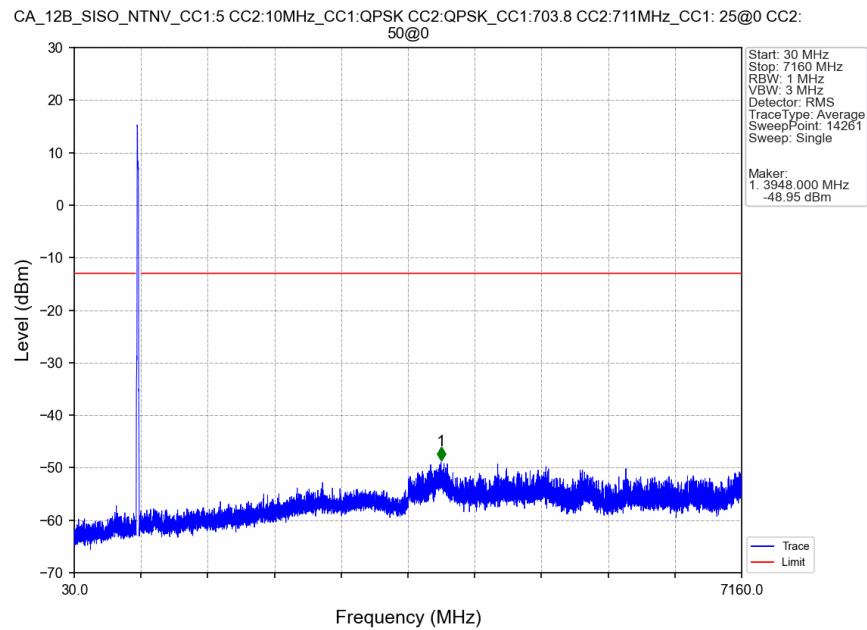


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701.15	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.060	-53.29	-13	Pass
716.1	731.15	0.1	CHP	2	716.315	-56.14	-13	Pass

CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2: 50@0



CA_12B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:703.8 CC2:711MHz_CC1: 25@0 CC2: 50@0



4. Field Strength of Spurious Radiation

CA_12B-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1400.0	-65.78	-13	-52.78	-68.56	2.47	5.25	Horizontal	Pass
2100.0	-62.14	-13	-49.14	-64.21	2.79	4.86	Horizontal	Pass
2800.0	-60.87	-13	-47.87	-64.23	3.12	6.48	Horizontal	Pass
1400.0	-67.06	-13	-54.06	-69.84	2.47	5.25	Vertical	Pass
2100.0	-62.7	-13	-49.7	-64.77	2.79	4.86	Vertical	Pass
2800.0	-62.06	-13	-49.06	-65.42	3.12	6.48	Vertical	Pass

CA_12B-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1402.0	-66.37	-13	-53.37	-69.15	2.48	5.26	Horizontal	Pass
2103.0	-62.91	-13	-49.91	-64.99	2.79	4.87	Horizontal	Pass
2804.0	-60.96	-13	-47.96	-64.33	3.12	6.49	Horizontal	Pass
1402.0	-67.03	-13	-54.03	-69.81	2.48	5.26	Vertical	Pass
2103.0	-63.05	-13	-50.05	-65.13	2.79	4.87	Vertical	Pass
2804.0	-61.97	-13	-48.97	-65.34	3.12	6.49	Vertical	Pass

CA_12B-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1404.0	-65.95	-13	-52.95	-68.74	2.48	5.27	Horizontal	Pass
2106.0	-63.47	-13	-50.47	-65.54	2.8	4.87	Horizontal	Pass
2808.0	-62.1	-13	-49.1	-65.48	3.12	6.5	Horizontal	Pass
1404.0	-66.05	-13	-53.05	-68.84	2.48	5.27	Vertical	Pass
2106.0	-61.16	-13	-48.16	-63.23	2.8	4.87	Vertical	Pass
2808.0	-60.55	-13	-47.55	-63.93	3.12	6.5	Vertical	Pass