

Appendix B.12

LTE CA_5B



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057
中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053 www.sgsgroup.com.cn
t (86-755) 26012053 sgs.china@sgs.com

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 CA_5B_NTNV_ERP

Band: CA_5B / NTN										
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)			Gain (dBi)	EIRP (dBm)		Verdict
				CC1	CC2	Sum		Result	Limit	
CC1:3 CC2:5	CC1: QPSK CC2: QPSK	CC1:825.5 CC2:829.4	CC1: 1@0 CC2: 0@0	22.49	-23.86	22.50	2.12	22.47	<=38.45	Pass
			CC1: 1@14 CC2: 1@0	21.06	21.04	24.07	2.12	24.04	<=38.45	Pass
			CC1: 8@0 CC2: 12@13	18.39	17.56	21.01	2.12	23.13	<=38.45	Pass
			CC1: 8@7 CC2: 12@0	21.22	21.11	24.18	2.12	24.15	<=38.45	Pass
			CC1: 15@0 CC2: 25@0	21.48	20.09	23.86	2.12	23.83	<=38.45	Pass
		CC1:834.1 CC2:838	CC1: 1@0 CC2: 0@0	22.41	-32.13	22.41	2.12	22.38	<=38.45	Pass
			CC1: 1@14 CC2: 1@0	21.83	21.87	24.87	2.12	24.84	<=38.45	Pass
			CC1: 8@0 CC2: 12@13	18.33	17.99	21.17	2.12	23.29	<=38.45	Pass
			CC1: 8@7 CC2: 12@0	21.95	21.93	24.95	2.12	24.92	<=38.45	Pass
			CC1: 15@0 CC2: 25@0	21.87	21.92	24.91	2.12	24.88	<=38.45	Pass
		CC1:842.6 CC2:846.5	CC1: 1@0 CC2: 0@0	22.47	-32.06	22.48	2.12	22.45	<=38.45	Pass
			CC1: 1@14 CC2: 1@0	21.55	21.51	24.55	2.12	24.52	<=38.45	Pass
			CC1: 8@0 CC2: 12@13	18.35	17.93	21.16	2.12	23.28	<=38.45	Pass
			CC1: 8@7 CC2: 12@0	21.73	21.54	24.65	2.12	24.62	<=38.45	Pass
			CC1: 15@0	21.65	21.47	24.58	2.12	24.55	<=38.45	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053
t (86-755) 26012053
www.sgs.com.cn
sgs.china@sgs.com

			CC2: 25@0							
	CC1: 16QAM CC2: 16QAM	CC1:825.5 CC2:829.4	CC1: 1@0 CC2: 0@0	22.27	-22.11	22.28	2.12	22.25	<=38.45	Pass
			CC1: 1@14 CC2: 1@0	20.31	20.27	23.31	2.12	23.28	<=38.45	Pass
			CC1: 8@0 CC2: 12@13	18.33	17.79	21.08	2.12	23.20	<=38.45	Pass
			CC1: 8@7 CC2: 12@0	20.58	20.51	23.56	2.12	23.53	<=38.45	Pass
			CC1: 15@0 CC2: 25@0	20.56	20.44	23.52	2.12	23.49	<=38.45	Pass
		CC1:834.1 CC2:838	CC1: 1@0 CC2: 0@0	22.46	-22.20	22.47	2.12	22.44	<=38.45	Pass
			CC1: 1@14 CC2: 1@0	20.61	20.62	23.63	2.12	23.60	<=38.45	Pass
			CC1: 8@0 CC2: 12@13	18.12	17.93	21.04	2.12	23.16	<=38.45	Pass
			CC1: 8@7 CC2: 12@0	20.75	20.78	23.78	2.12	23.75	<=38.45	Pass
			CC1: 15@0 CC2: 25@0	20.62	20.72	23.68	2.12	23.65	<=38.45	Pass
		CC1:842.6 CC2:846.5	CC1: 1@0 CC2: 0@0	22.55	-22.47	22.55	2.12	22.52	<=38.45	Pass
			CC1: 1@14 CC2: 1@0	20.14	20.06	23.12	2.12	23.09	<=38.45	Pass
			CC1: 8@0 CC2: 12@13	18.22	17.96	21.10	2.12	23.22	<=38.45	Pass
			CC1: 8@7 CC2: 12@0	20.29	20.10	23.21	2.12	23.18	<=38.45	Pass
			CC1: 15@0 CC2: 25@0	20.24	20.07	23.17	2.12	23.14	<=38.45	Pass
CC1:5 CC2:3	CC1: QPSK CC2: QPSK	CC1:826.5 CC2:830.4	CC1: 1@0 CC2: 0@0	22.38	-32.30	22.38	2.12	22.35	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	20.47	20.41	23.44	2.12	23.41	<=38.45	Pass
			CC1: 12@0 CC2: 8@7	18.49	17.63	21.09	2.12	23.21	<=38.45	Pass
			CC1: 12@13	20.61	20.60	23.61	2.12	23.58	<=38.45	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053
t (86-755) 26012053
www.sgs.com
sgs.china@sgs.com

			CC2: 8@0							
			CC1: 25@0 CC2: 15@0	21.24	21.20	24.24	2.12	24.21	<=38.45	Pass
		CC1:835.1 CC2:839	CC1: 1@0 CC2: 0@0	22.44	-31.86	22.45	2.12	22.42	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	21.22	21.22	24.22	2.12	24.19	<=38.45	Pass
			CC1: 12@0 CC2: 8@7	18.25	17.89	21.08	2.12	23.20	<=38.45	Pass
			CC1: 12@13 CC2: 8@0	21.24	21.31	24.29	2.12	24.26	<=38.45	Pass
			CC1: 25@0 CC2: 15@0	21.26	21.34	24.32	2.12	24.29	<=38.45	Pass
		CC1:843.6 CC2:847.5	CC1: 1@0 CC2: 0@0	23.11	-32.23	23.11	2.12	23.08	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	21.36	21.29	24.32	2.12	24.29	<=38.45	Pass
			CC1: 12@0 CC2: 8@7	18.47	17.8	21.16	2.12	23.28	<=38.45	Pass
			CC1: 12@13 CC2: 8@0	21.45	21.38	24.42	2.12	24.39	<=38.45	Pass
			CC1: 25@0 CC2: 15@0	21.51	21.37	24.45	2.12	24.42	<=38.45	Pass
	CC1: 16QAM CC2: 16QAM	CC1:826.5 CC2:830.4	CC1: 1@0 CC2: 0@0	23.15	-32.05	23.16	2.12	23.13	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	20.44	20.34	23.39	2.12	23.36	<=38.45	Pass
			CC1: 12@0 CC2: 8@7	18.41	17.7	21.08	2.12	23.20	<=38.45	Pass
			CC1: 12@13 CC2: 8@0	20.27	20.17	23.23	2.12	23.20	<=38.45	Pass
			CC1: 25@0 CC2: 15@0	21.10	21.04	24.09	2.12	24.06	<=38.45	Pass
		CC1:835.1 CC2:839	CC1: 1@0 CC2: 0@0	23.02	-31.55	23.03	2.12	23.00	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	20.90	20.97	23.93	2.12	23.90	<=38.45	Pass
			CC1: 12@0	18.37	17.86	21.13	2.12	23.25	<=38.45	Pass



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			CC2: 8@7							
			CC1: 12@13 CC2: 8@0	20.93	21.08	24.01	2.12	23.98	<=38.45	Pass
			CC1: 25@0 CC2: 15@0	20.94	21.03	24.00	2.12	23.97	<=38.45	Pass
		CC1:843.6 CC2:847.5	CC1: 1@0 CC2: 0@0	22.93	-32.20	22.93	2.12	22.90	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	21.55	21.42	23.57	2.12	23.54	<=38.45	Pass
			CC1: 12@0 CC2: 8@7	18.48	17.88	21.20	2.12	23.32	<=38.45	Pass
			CC1: 12@13 CC2: 8@0	20.40	20.30	23.37	2.12	23.34	<=38.45	Pass
			CC1: 25@0 CC2: 15@0	20.45	20.31	23.39	2.12	23.36	<=38.45	Pass
CC1:5 CC2:10	CC1: QPSK CC2: QPSK	CC1:826.5 CC2:833.7	CC1: 1@0 CC2: 0@0	22.96	-25.28	22.97	2.12	22.94	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	21.48	21.46	24.49	2.12	24.46	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	18.15	17.88	21.03	2.12	23.15	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	19.72	19.68	22.71	2.12	22.68	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	19.77	19.70	22.75	2.12	22.72	<=38.45	Pass
		CC1:831.7 CC2:838.9	CC1: 1@0 CC2: 0@0	22.84	-24.45	22.85	2.12	22.82	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	21.48	21.49	24.50	2.12	24.47	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	18.38	17.86	21.14	2.12	23.26	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	19.73	19.77	22.76	2.12	22.73	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	19.76	19.79	22.78	2.12	22.75	<=38.45	Pass
		CC1:836.8 CC2:844	CC1: 1@0 CC2: 0@0	23.03	-24.92	23.04	2.12	23.01	<=38.45	Pass
			CC1: 1@24	21.73	21.72	24.74	2.12	24.71	<=38.45	Pass



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			CC2: 1@0							
			CC1: 12@0 CC2: 25@25	18.23	17.79	21.03	2.12	23.15	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	19.78	19.81	22.80	2.12	22.77	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	19.81	19.81	22.82	2.12	22.79	<=38.45	Pass
		CC1:826.5 CC2:833.7	CC1: 1@0 CC2: 0@0	22.93	-24.37	22.94	2.12	22.91	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	20.48	20.48	23.49	2.12	23.46	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	18.47	17.96	21.23	2.12	23.35	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	18.74	18.69	21.73	2.12	21.70	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	18.74	18.70	21.73	2.12	21.70	<=38.45	Pass
		CC1:831.7 CC2:838.9	CC1: 1@0 CC2: 0@0	22.84	-23.76	22.85	2.12	22.82	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	20.63	20.71	23.68	2.12	23.65	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	18.35	17.72	21.06	2.12	23.18	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	18.73	18.80	21.78	2.12	21.75	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	18.75	18.80	21.79	2.12	21.76	<=38.45	Pass
		CC1:836.8 CC2:844	CC1: 1@0 CC2: 0@0	23.06	-22.45	23.07	2.12	23.04	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	20.69	20.70	23.71	2.12	23.68	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	18.18	17.91	21.06	2.12	23.18	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	18.76	18.78	21.78	2.12	21.75	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	18.77	18.76	21.78	2.12	21.75	<=38.45	Pass
CC1:10	CC1:	CC1:829	CC1: 1@0	22.83	-32.78	22.83	2.12	22.80	<=38.45	Pass



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CC2:5	QPSK CC2: QPSK	CC2:836.2	CC2: 0@0							
			CC1: 1@49 CC2: 1@0	21.50	21.51	24.52	2.12	24.49	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	16.81	16.80	19.82	2.12	19.79	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	19.71	19.70	22.72	2.12	22.69	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	19.77	19.77	22.78	2.12	22.75	<=38.45	Pass
		CC1:834.2 CC2:841.4	CC1: 1@0 CC2: 0@0	22.87	-32.72	22.87	2.12	22.84	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	21.42	21.49	24.47	2.12	24.44	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	18.21	17.97	21.10	2.12	23.22	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	19.73	19.78	22.77	2.12	22.74	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	19.72	19.76	22.75	2.12	22.72	<=38.45	Pass
	CC1: 16QAM CC2: 16QAM	CC1:839.3 CC2:846.5	CC1: 1@0 CC2: 0@0	22.85	-32.71	22.85	2.12	22.82	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	21.45	21.45	24.46	2.12	24.43	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	18.22	17.99	21.12	2.12	23.24	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	19.78	19.66	22.73	2.12	22.70	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	19.70	19.58	22.65	2.12	22.62	<=38.45	Pass
		CC1:829 CC2:836.2	CC1: 1@0 CC2: 0@0	22.64	-32.78	22.64	2.12	22.61	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	20.65	20.57	23.62	2.12	23.59	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	18.35	17.66	21.03	2.12	23.15	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	18.74	18.75	21.75	2.12	21.72	<=38.45	Pass
			CC1: 50@0	18.77	18.78	21.79	2.12	21.76	<=38.45	Pass



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房

t (86-755) 26012053
t (86-755) 26012053
www.sgs.com.cn
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CC1:10 CC2:10	CC1: QPSK CC2: QPSK	CC1:834.2 CC2:841.4	CC2: 25@0							
			CC1: 1@0 CC2: 0@0	22.91	-32.68	22.91	2.12	22.88	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	20.72	20.70	23.73	2.12	23.70	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	18.22	17.89	21.07	2.12	23.19	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	18.77	18.82	21.81	2.12	21.78	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	18.80	18.85	21.84	2.12	21.81	<=38.45	Pass
		CC1:839.3 CC2:846.5	CC1: 1@0 CC2: 0@0	22.89	-32.68	22.89	2.12	22.86	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	20.76	20.68	23.73	2.12	23.70	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	18.38	17.96	21.19	2.12	23.31	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	18.82	18.73	21.79	2.12	21.76	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	18.82	18.72	21.78	2.12	21.75	<=38.45	Pass
		CC1:829 CC2:838.9	CC1: 1@0 CC2: 0@0	22.99	-29.71	22.99	2.12	22.96	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	21.55	21.56	24.57	2.12	24.54	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	18.22	17.96	21.10	2.12	23.22	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	20.66	20.68	23.68	2.12	23.65	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	19.70	19.71	22.72	2.12	22.69	<=38.45	Pass
		CC1:831.6 CC2:841.5	CC1: 1@0 CC2: 0@0	22.88	-29.71	22.88	2.12	22.85	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	21.50	21.53	24.53	2.12	24.50	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	18.3	17.77	21.05	2.12	23.17	<=38.45	Pass
			CC1: 25@25	20.64	20.71	23.69	2.12	23.66	<=38.45	Pass



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			CC2: 25@0							
			CC1: 50@0 CC2: 50@0	19.60	19.66	22.64	2.12	22.61	<=38.45	Pass
		CC1:834.1 CC2:844	CC1: 1@0 CC2: 0@0	22.79	-29.72	22.79	2.12	22.76	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	21.52	21.52	24.54	2.12	24.51	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	18.36	17.59	21.00	2.12	23.12	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	20.63	20.68	23.67	2.12	23.64	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	19.70	19.72	22.72	2.12	22.69	<=38.45	Pass
	CC1: 16QAM CC2: 16QAM	CC1:829 CC2:838.9	CC1: 1@0 CC2: 0@0	22.79	-29.72	22.79	2.12	22.76	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	20.54	20.47	23.52	2.12	23.49	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	18.14	17.93	21.05	2.12	23.17	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	19.67	19.68	22.68	2.12	22.65	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	18.70	18.72	21.72	2.12	21.69	<=38.45	Pass
		CC1:831.6 CC2:841.5	CC1: 1@0 CC2: 0@0	22.77	-29.74	22.77	2.12	22.74	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	20.51	20.50	23.52	2.12	23.49	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	18.14	17.92	21.04	2.12	23.16	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	19.67	19.76	22.73	2.12	22.70	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	18.75	18.78	21.78	2.12	21.75	<=38.45	Pass
		CC1:834.1 CC2:844	CC1: 1@0 CC2: 0@0	22.85	-29.71	22.85	2.12	22.82	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	20.60	20.58	23.60	2.12	23.57	<=38.45	Pass
			CC1: 25@0	18.43	17.93	21.20	2.12	23.32	<=38.45	Pass



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t (86-755) 26012053
t (86-755) 26012053
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			CC2: 25@25							
			CC1: 25@25 CC2: 25@0	19.69	19.72	22.72	2.12	22.69	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	18.76	18.76	21.77	2.12	21.74	<=38.45	Pass

Note1: EIRP=Conducted Power+Antenna Gain-2.15

2. 99% & 26dB Bandwidth

2.1 Test Result

2.1.1 CA_5B_NTNV_OBW

Band: CA_5B / NTNv						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	99% Occupied Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:3 CC2:5	CC1: QPSK	CC1:825.5	CC1: 15@0	7.60	/	Pass
		CC2:829.4	CC2: 25@0			
	CC2: QPSK	CC1:842.6	CC1: 15@0	7.61	/	Pass
		CC2:846.5	CC2: 25@0			
	CC1: 16QAM	CC1:825.5	CC1: 15@0	7.60	/	Pass
		CC2:829.4	CC2: 25@0			
CC1:5 CC2:3	CC2: 16QAM	CC1:842.6	CC1: 15@0	7.59	/	Pass
		CC2:846.5	CC2: 25@0			
	CC1: QPSK	CC1:826.5	CC1: 25@0	7.61	/	Pass
		CC2:830.4	CC2: 15@0			
	CC2: QPSK	CC1:843.6	CC1: 25@0	7.60	/	Pass
		CC2:847.5	CC2: 15@0			
CC1:5 CC2:10	CC1: 16QAM	CC1:826.5	CC1: 25@0	7.59	/	Pass
		CC2:830.4	CC2: 15@0			
	CC2: 16QAM	CC1:843.6	CC1: 25@0	7.58	/	Pass
		CC2:847.5	CC2: 15@0			
	CC1: QPSK	CC1:826.5	CC1: 25@0	14.10	/	Pass
		CC2:833.7	CC2: 50@0			
CC1:5 CC2:10	CC2: QPSK	CC1:836.8	CC1: 25@0	14.04	/	Pass
		CC2:844	CC2: 50@0			
	CC1: 16QAM	CC1:826.5	CC1: 25@0	14.04	/	Pass
		CC2:833.7	CC2: 50@0			



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	CC2: 16QAM	CC1:836.8 CC2:844	CC1: 25@0 CC2: 50@0	14.02	/	Pass
CC1:10 CC2:5	CC1: QPSK	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	14.08	/	Pass
	CC2: QPSK	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	14.06	/	Pass
	CC1: 16QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	14.09	/	Pass
	CC2: 16QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	14.11	/	Pass
CC1:10 CC2:10	CC1: QPSK	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	18.97	/	Pass
	CC2: QPSK	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	18.96	/	Pass
	CC1: 16QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	18.96	/	Pass
	CC2: 16QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	18.91	/	Pass

2.1.2 CA_5B_NTNV_XDB

Band: CA_5B / NTNV						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	26dB Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:3 CC2:5	CC1: QPSK	CC1:825.5 CC2:829.4	CC1: 15@0 CC2: 25@0	10.13	/	Pass
	CC2: QPSK	CC1:842.6 CC2:846.5	CC1: 15@0 CC2: 25@0	9.79	/	Pass
	CC1: 16QAM	CC1:825.5 CC2:829.4	CC1: 15@0 CC2: 25@0	9.51	/	Pass
	CC2: 16QAM	CC1:842.6 CC2:846.5	CC1: 15@0 CC2: 25@0	9.14	/	Pass
CC1:5 CC2:3	CC1: QPSK	CC1:826.5 CC2:830.4	CC1: 25@0 CC2: 15@0	8.44	/	Pass
	CC2: QPSK	CC1:843.6 CC2:847.5	CC1: 25@0 CC2: 15@0	9.21	/	Pass
	CC1: 16QAM	CC1:826.5 CC2:830.4	CC1: 25@0 CC2: 15@0	8.17	/	Pass



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t (86-755) 26012053
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	CC2: 16QAM	CC1:843.6 CC2:847.5	CC1: 25@0 CC2: 15@0	8.30	/	Pass
CC1:5 CC2:10	CC1: QPSK	CC1:826.5 CC2:833.7	CC1: 25@0 CC2: 50@0	15.36	/	Pass
	CC2: QPSK	CC1:836.8 CC2:844	CC1: 25@0 CC2: 50@0	15.35	/	Pass
	CC1: 16QAM	CC1:826.5 CC2:833.7	CC1: 25@0 CC2: 50@0	15.23	/	Pass
	CC2: 16QAM	CC1:836.8 CC2:844	CC1: 25@0 CC2: 50@0	15.22	/	Pass
CC1:10 CC2:5	CC1: QPSK	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	15.35	/	Pass
	CC2: QPSK	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	19.05	/	Pass
	CC1: 16QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	15.35	/	Pass
	CC2: 16QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	21.03	/	Pass
CC1:10 CC2:10	CC1: QPSK	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	21.63	/	Pass
	CC2: QPSK	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	21.87	/	Pass
	CC1: 16QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	20.34	/	Pass
	CC2: 16QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	20.50	/	Pass



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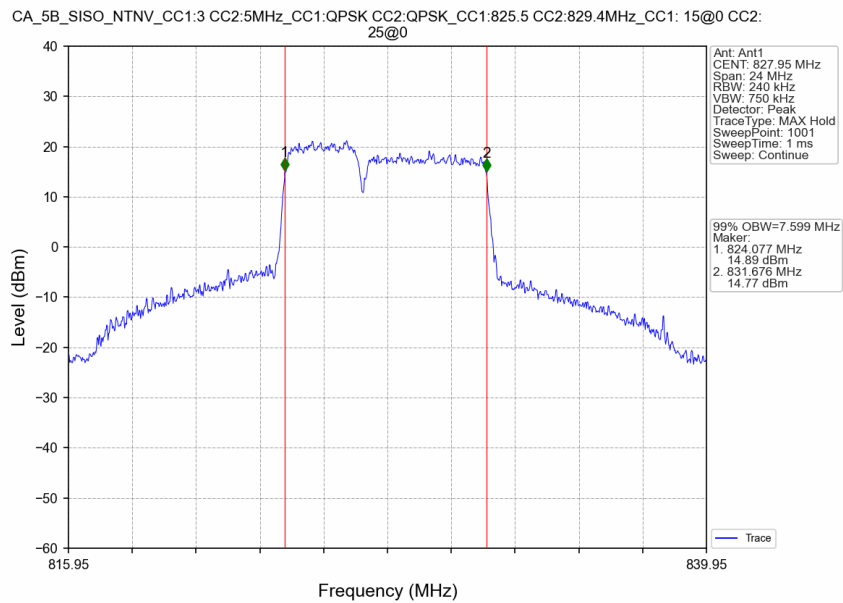
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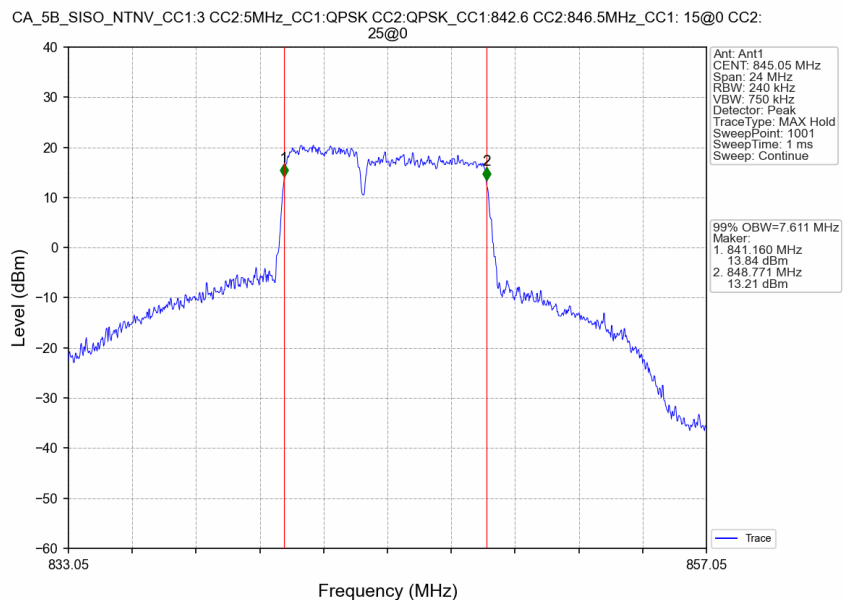
2.2 Test Graph

2.2.1 CA_5B_NTNV_OBW

CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2: 25@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:842.6 CC2:846.5MHz_CC1: 15@0 CC2: 25@0

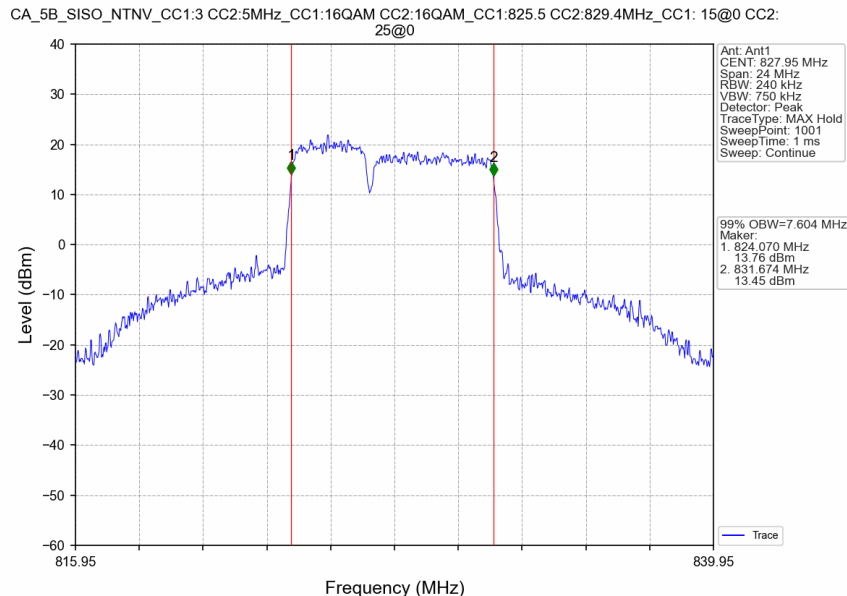


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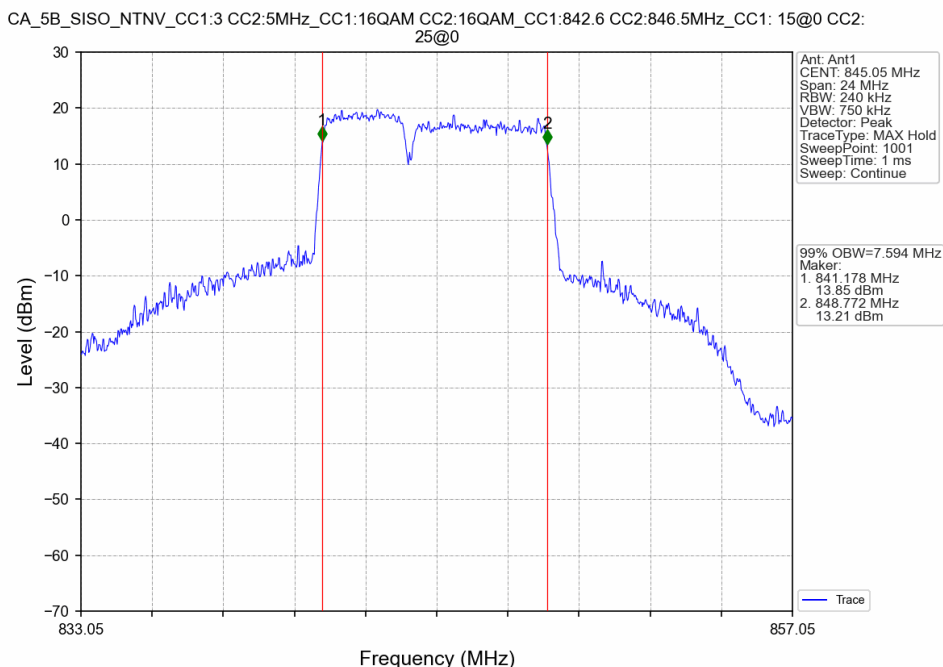
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2:
25@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:842.6 CC2:846.5MHz_CC1: 15@0 CC2:
25@0

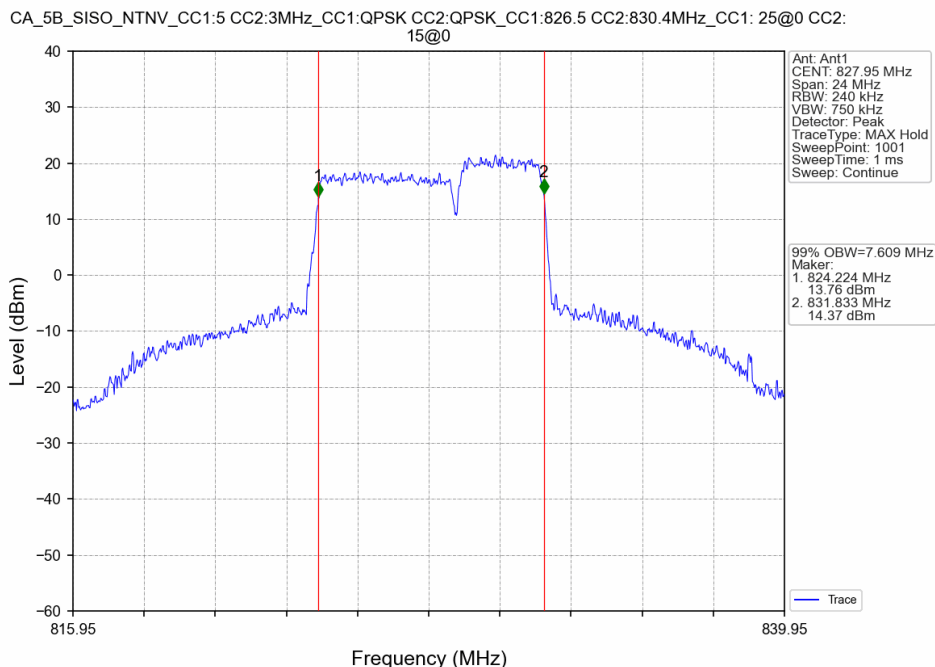


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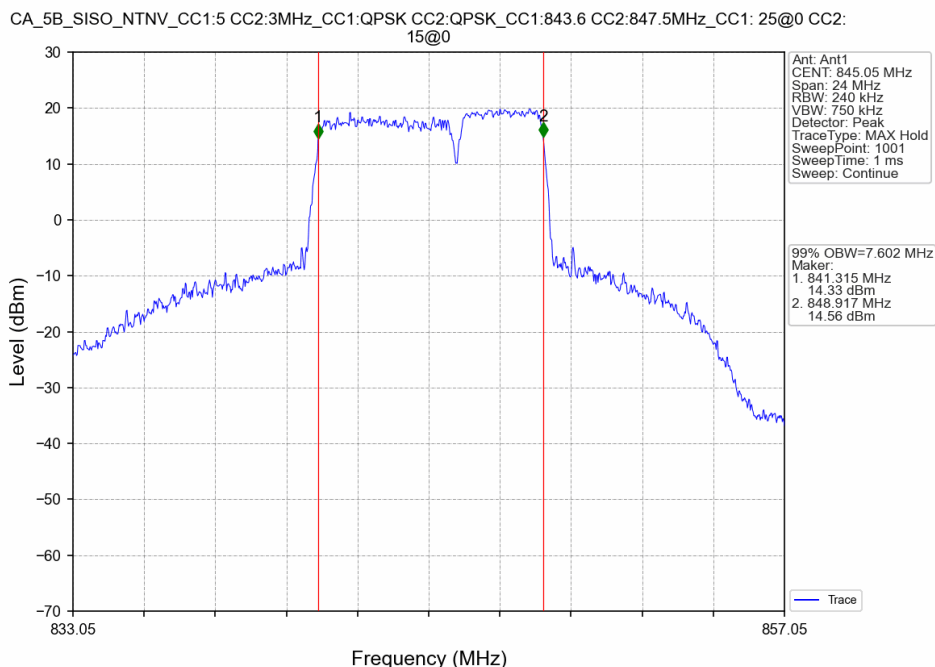
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CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:QPSK CC2:QPSK_CC1:826.5 CC2:830.4MHz_CC1: 25@0 CC2: 15@0



CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:QPSK CC2:QPSK_CC1:843.6 CC2:847.5MHz_CC1: 25@0 CC2: 15@0

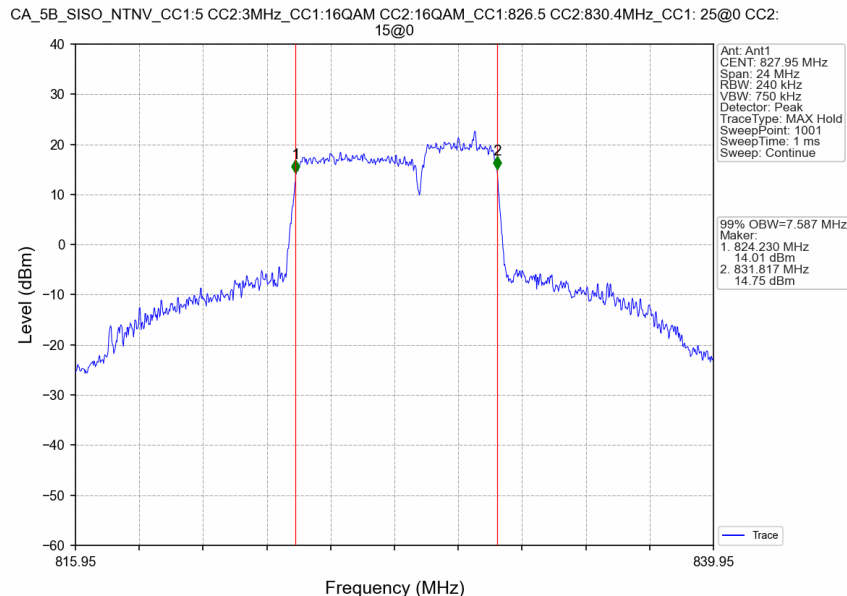


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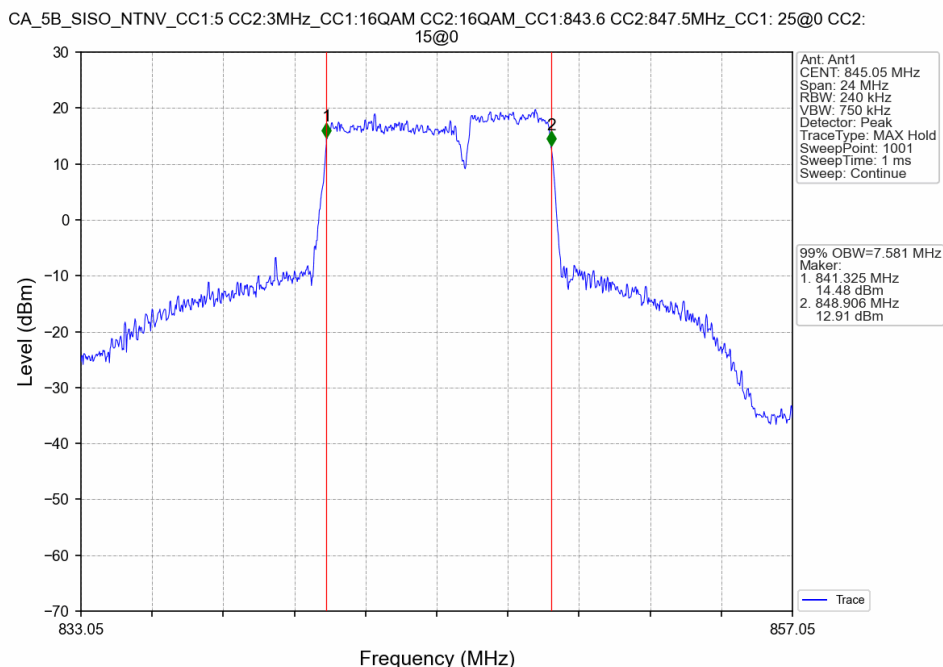
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15@0



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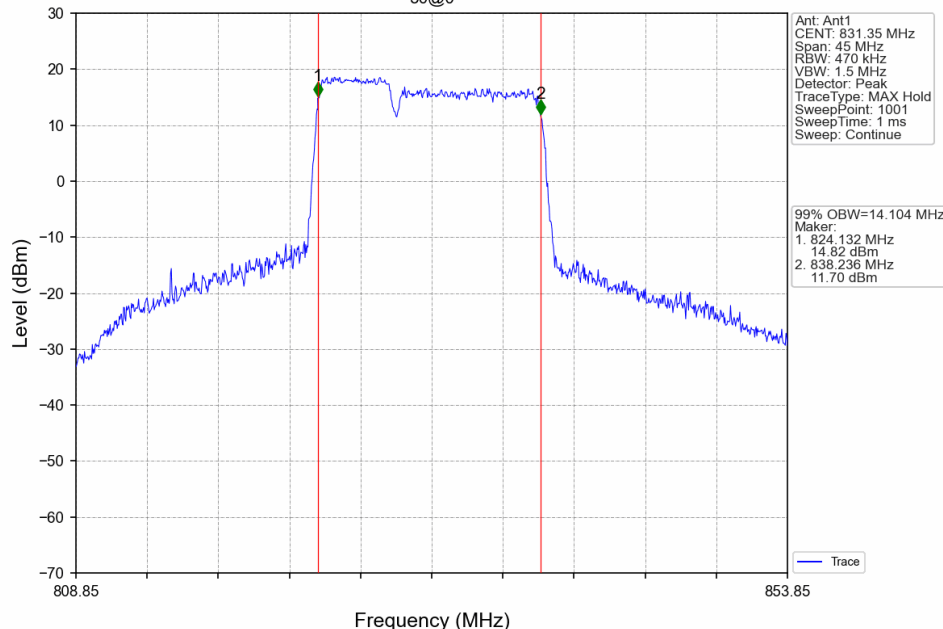
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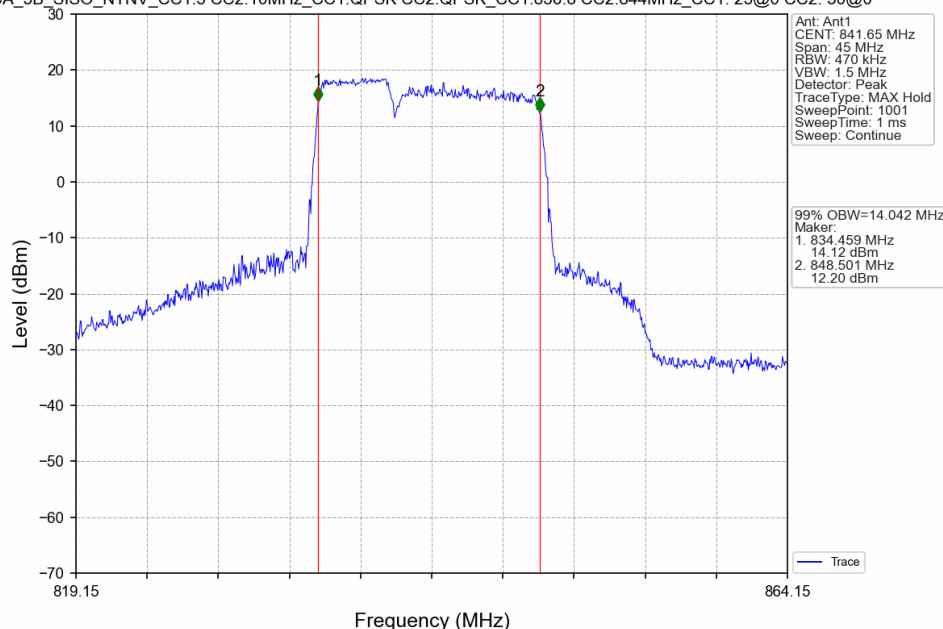
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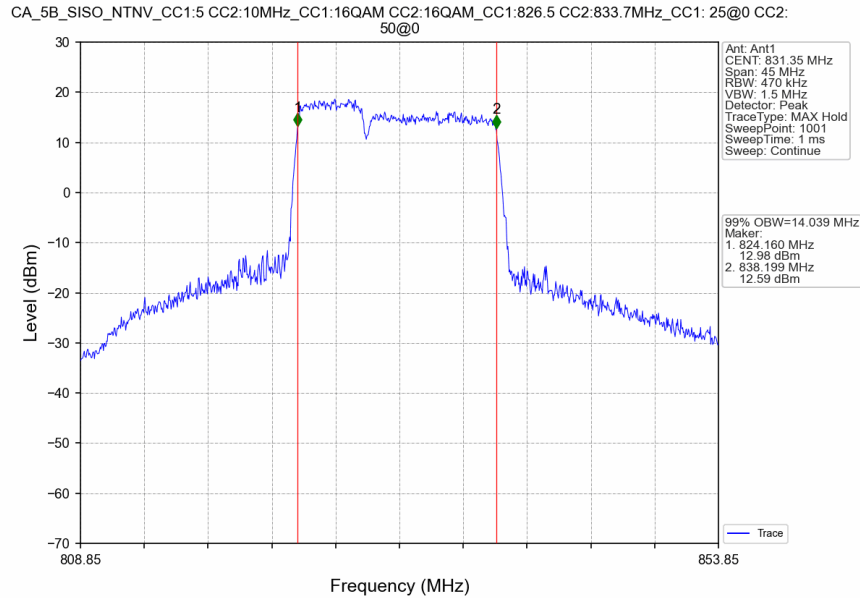


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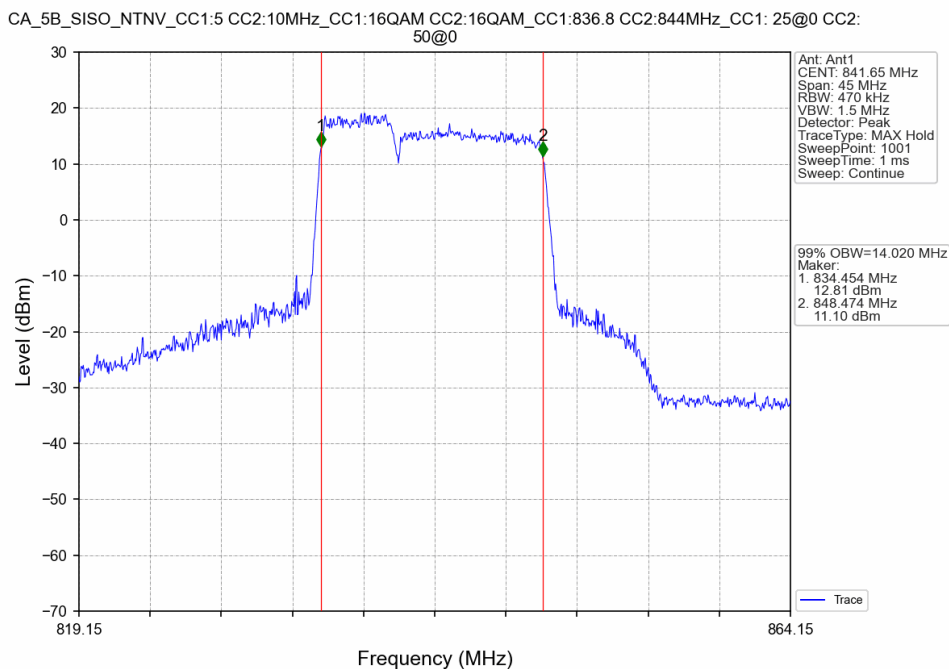
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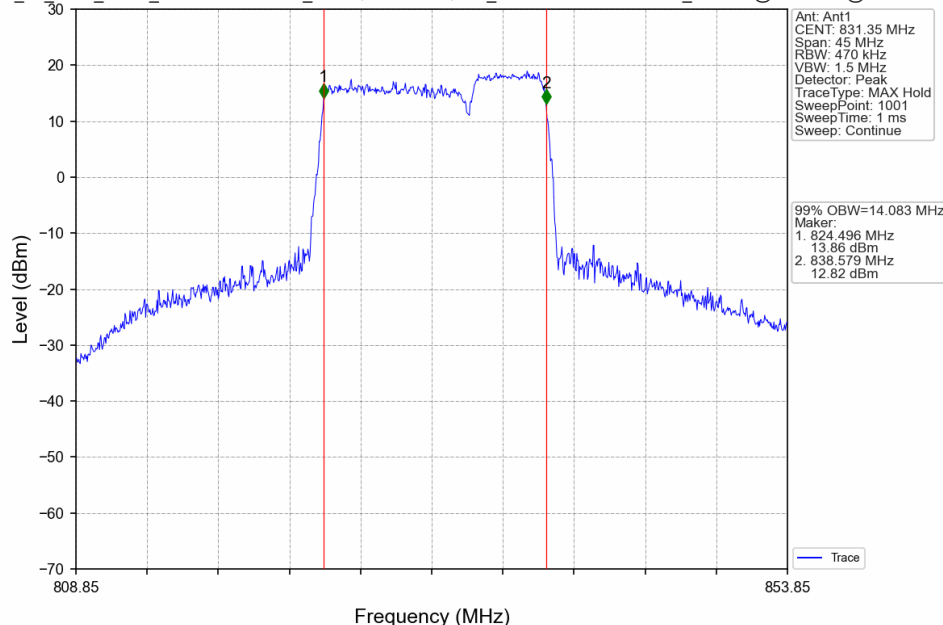
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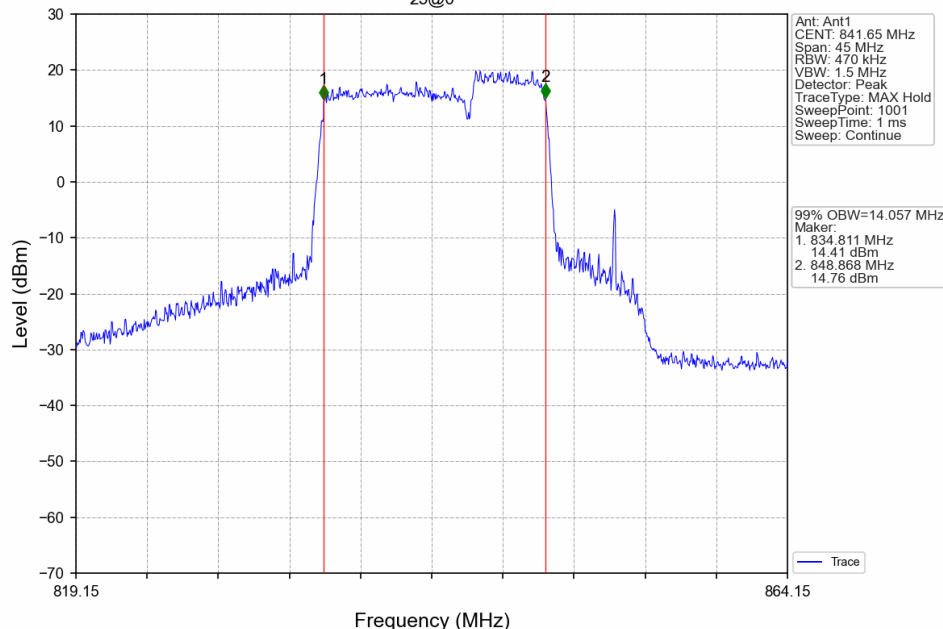
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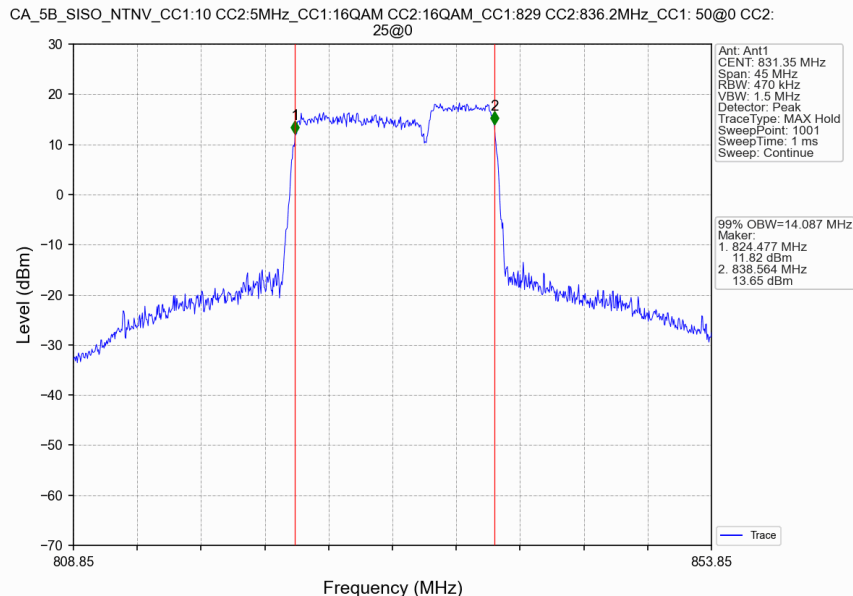


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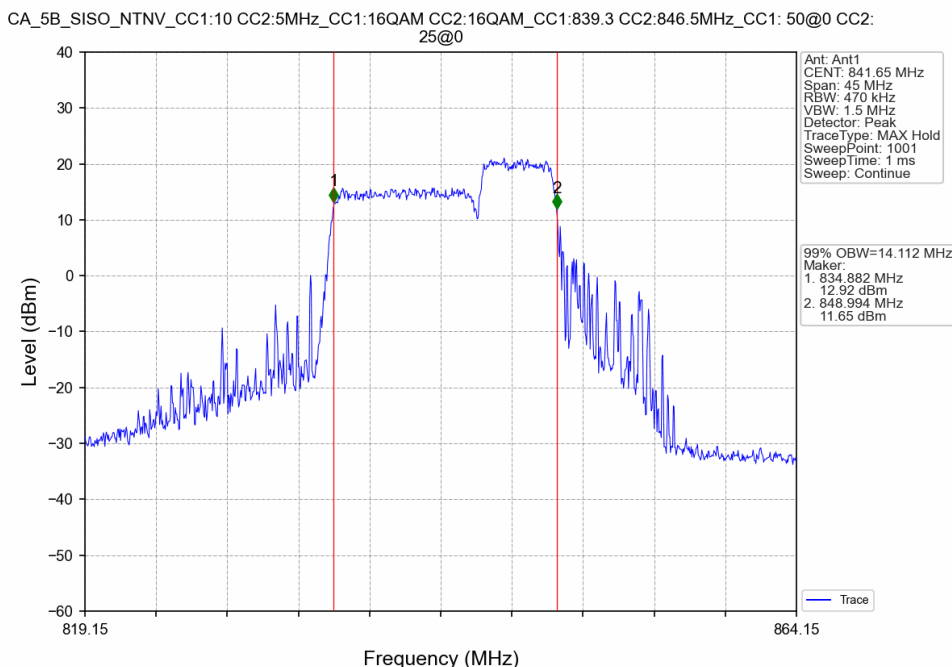
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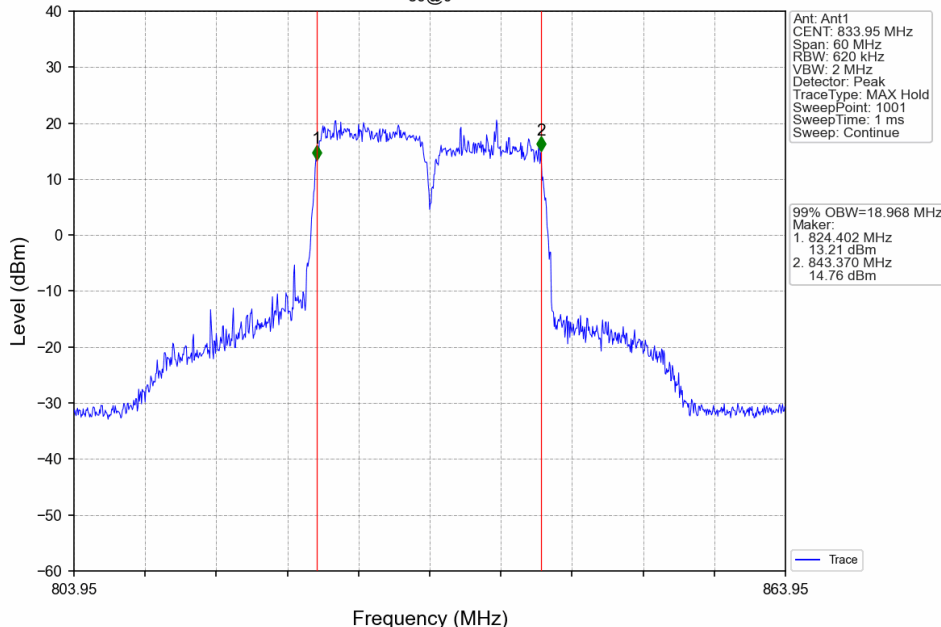
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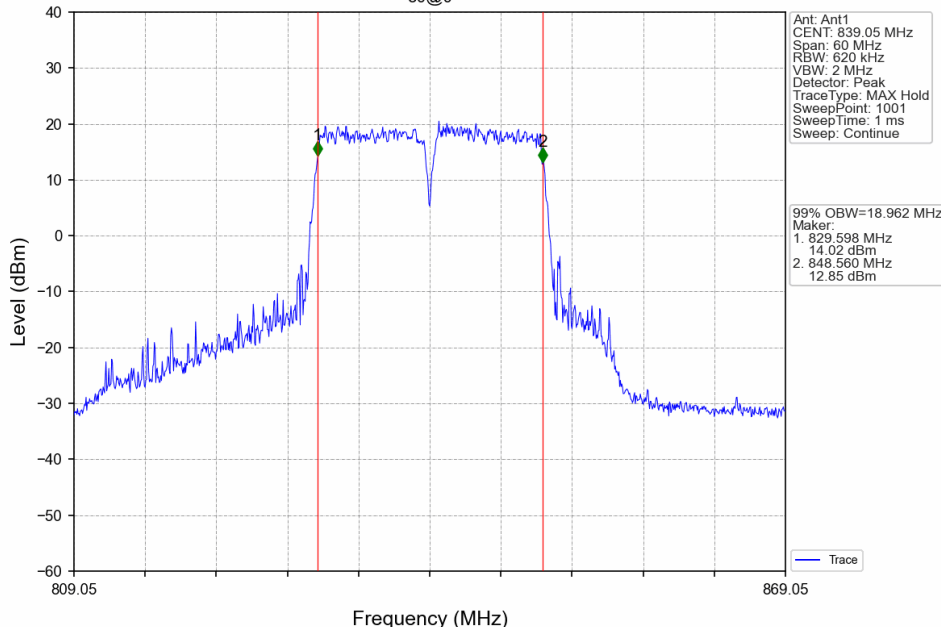
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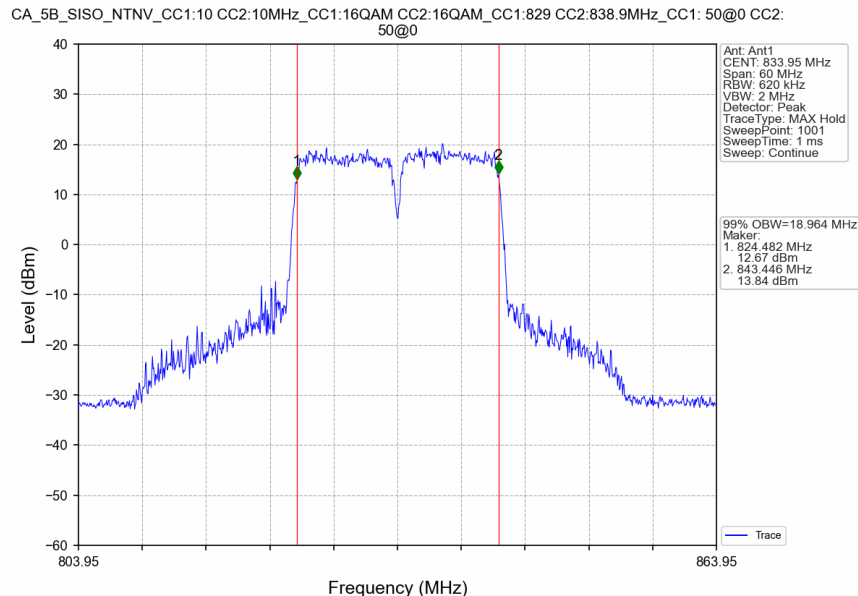


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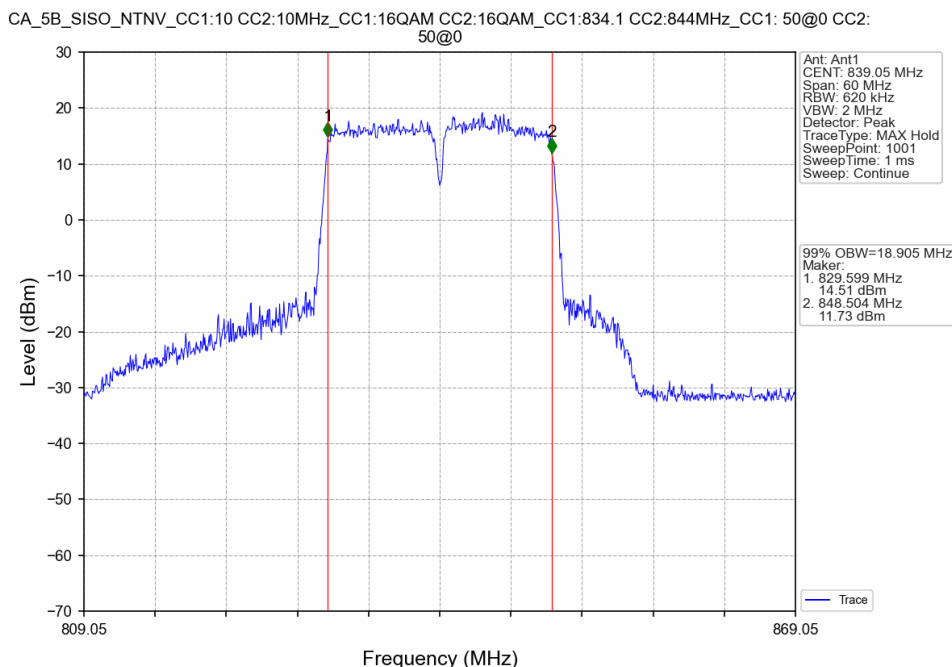
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CA_5B_SISO_NTNV_CC1:10 CC2:10MHz_CC1:16QAM CC2:16QAM_CC1:834.1 CC2:844MHz_CC1: 50@0 CC2:
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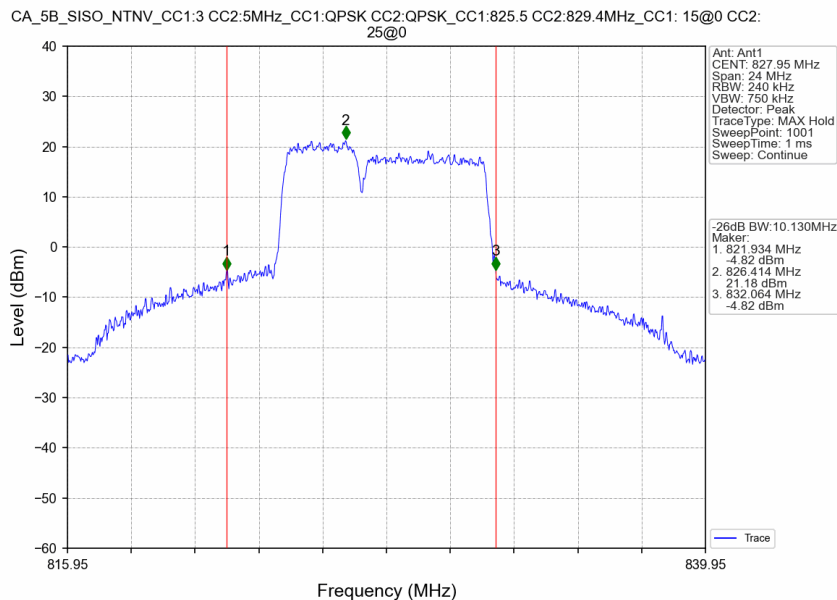
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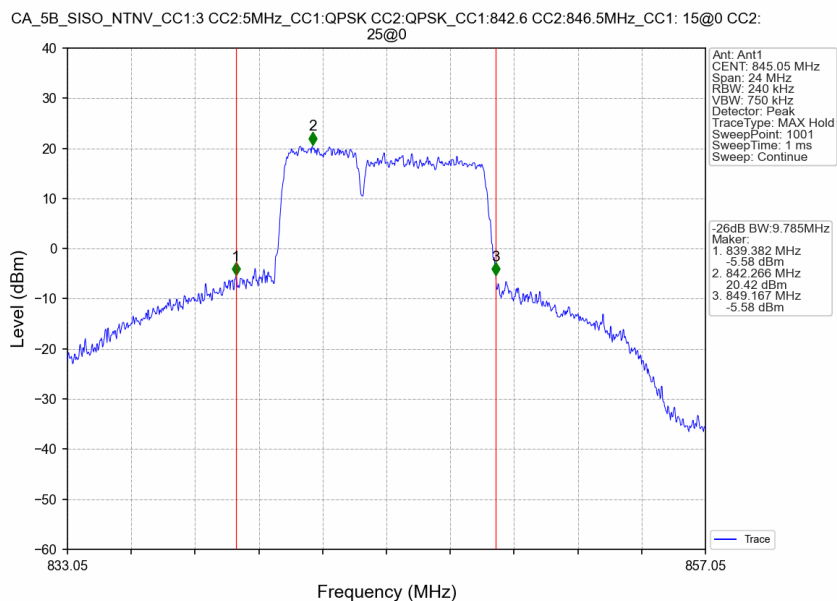
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2.2.2 CA_5B_NTNV_XDB

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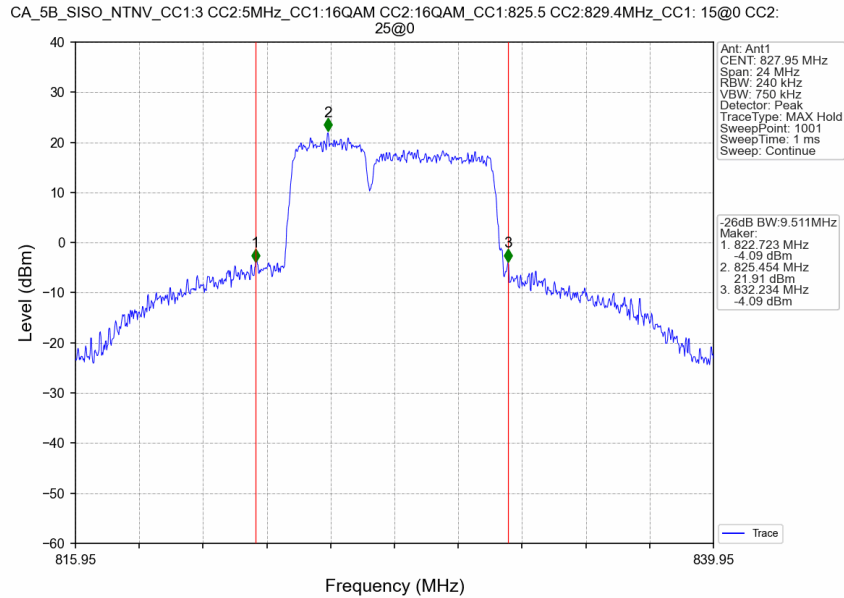


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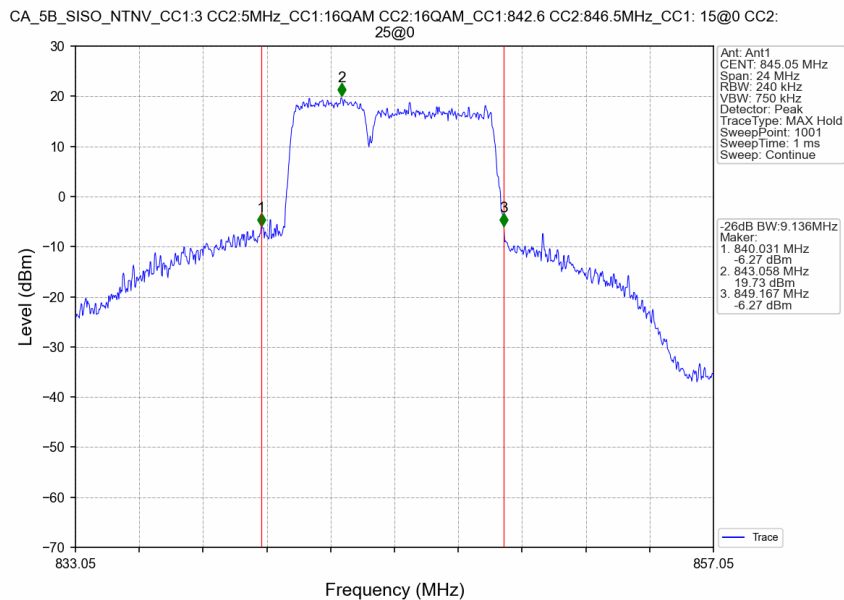
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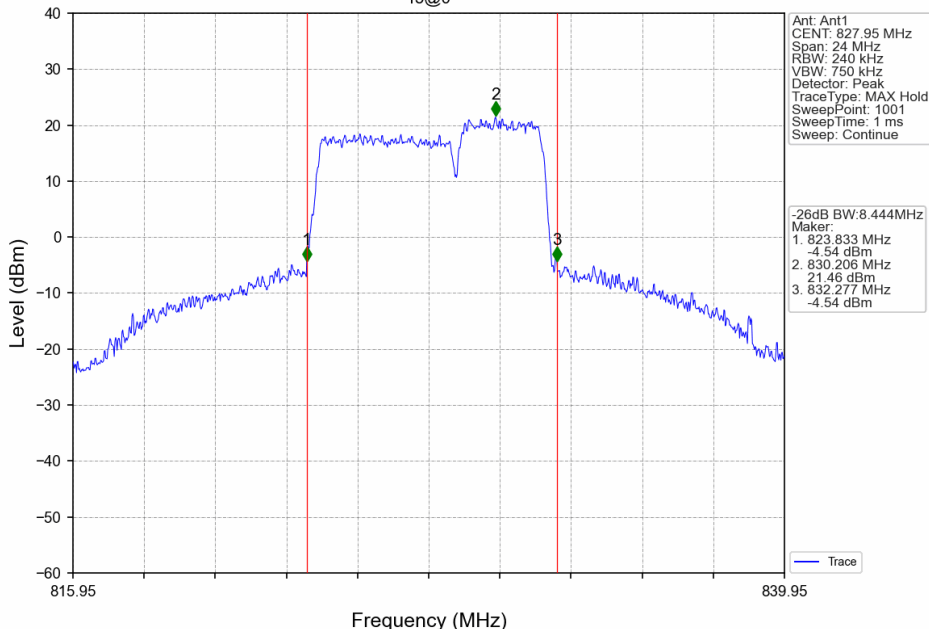
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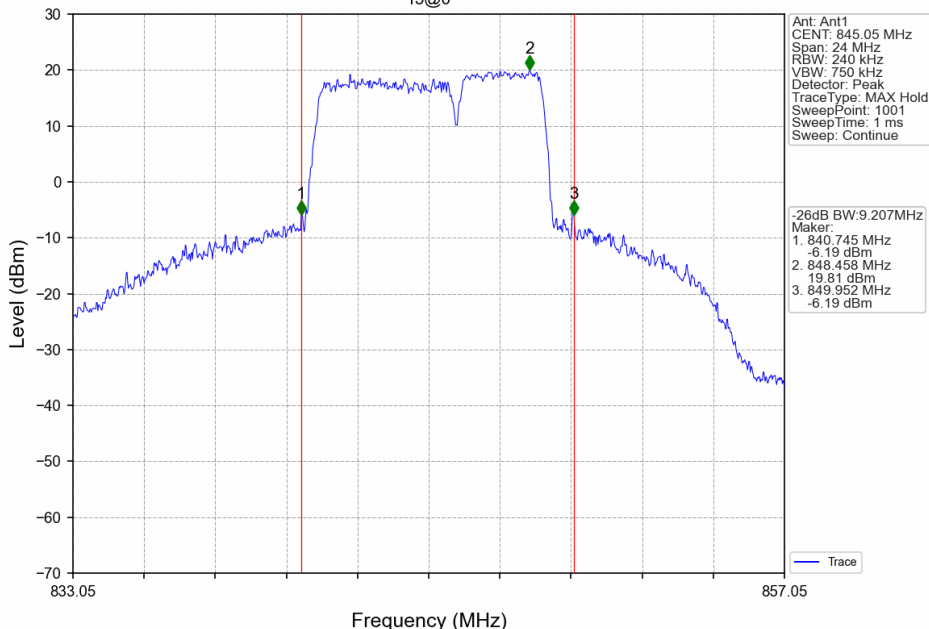
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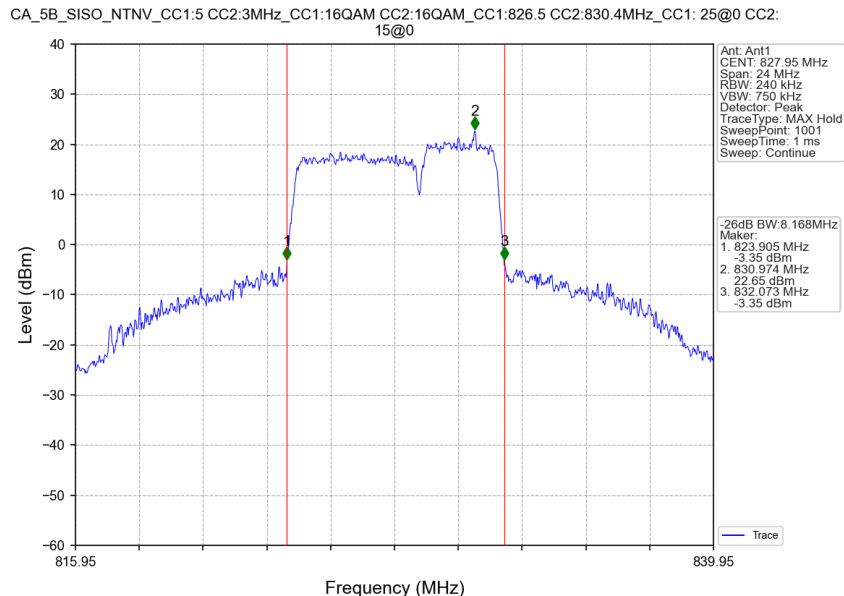


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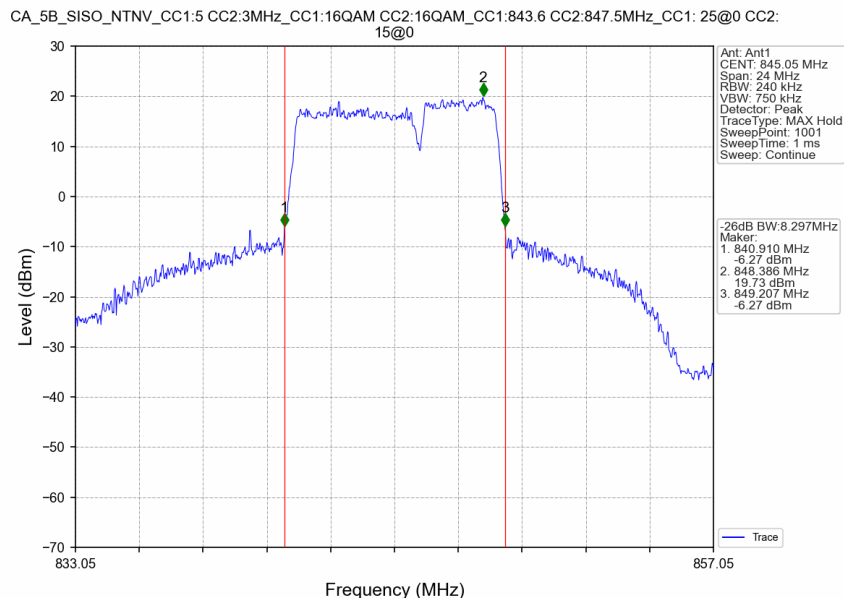
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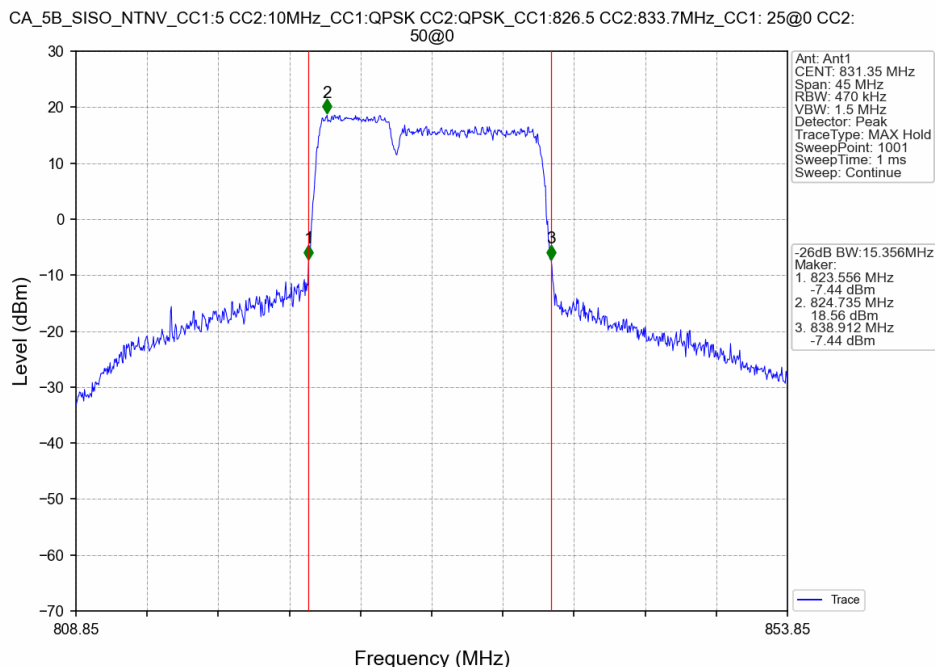


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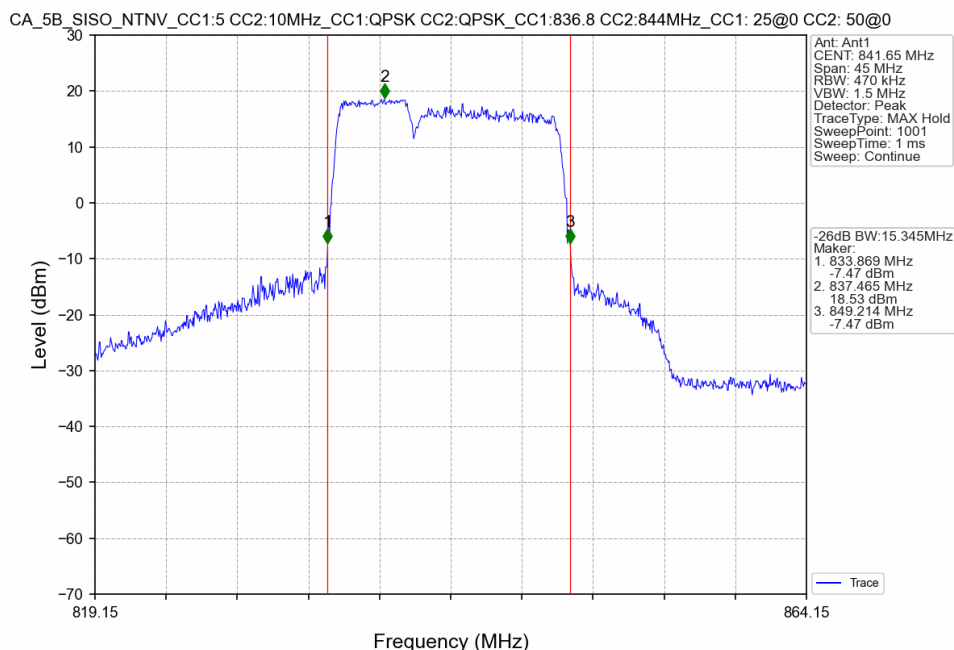
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CA_5B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:836.8 CC2:844MHz_CC1: 25@0 CC2: 50@0

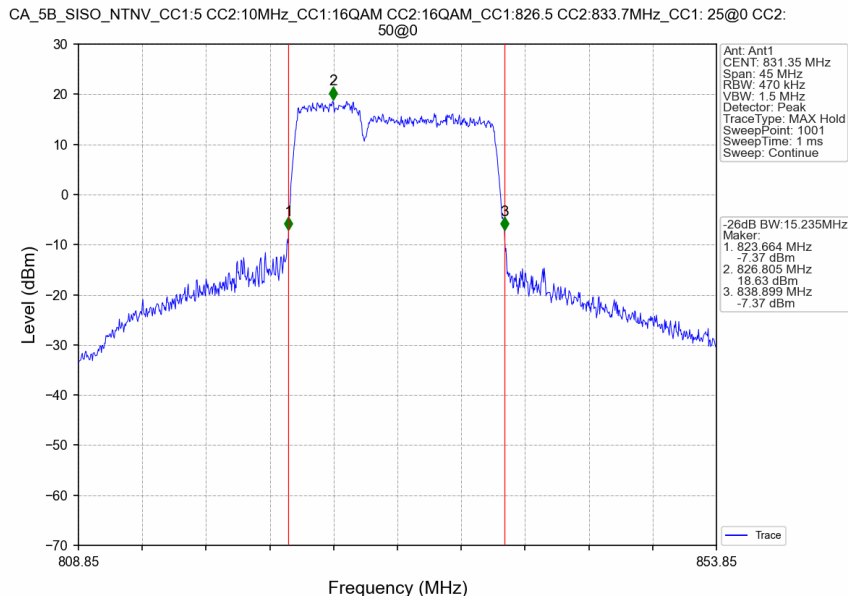


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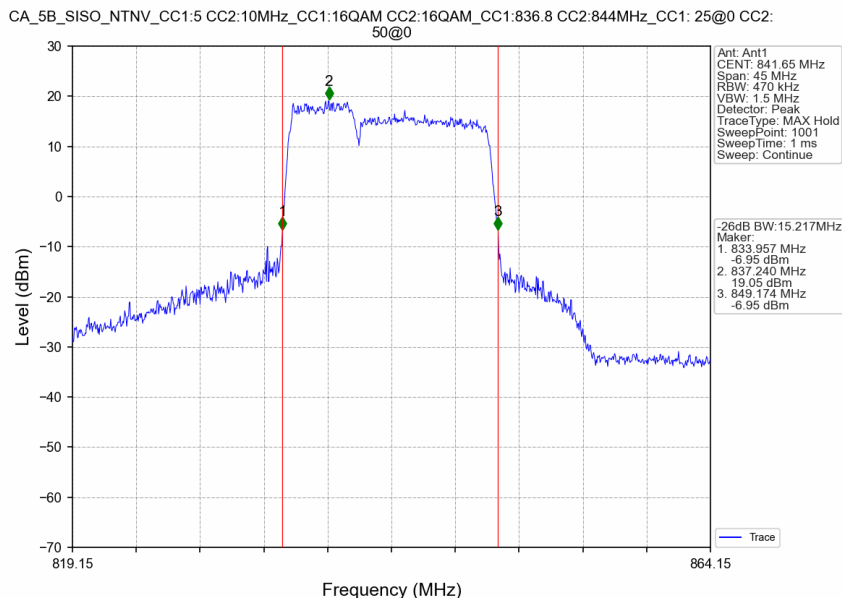
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50@0



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50@0

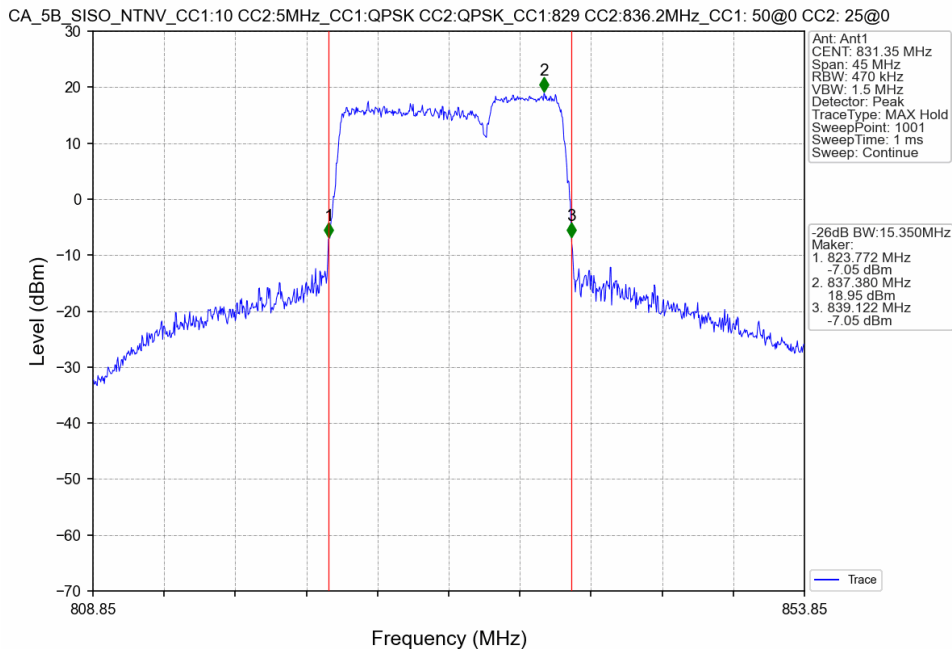


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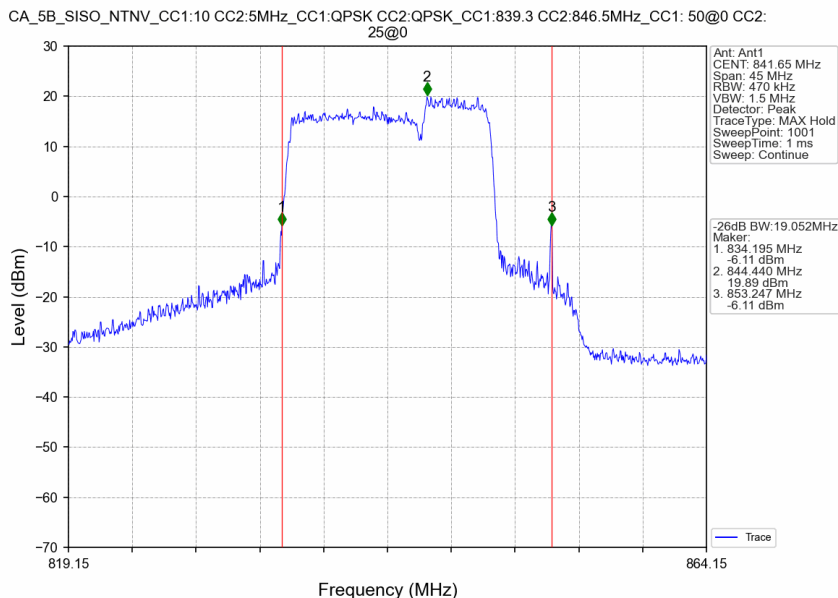
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CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:839.3 CC2:846.5MHz_CC1: 50@0 CC2: 25@0

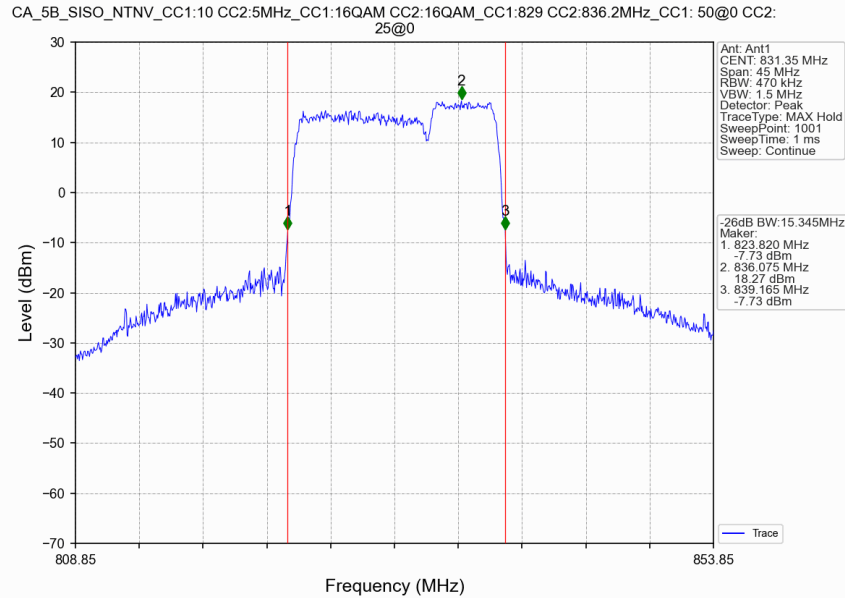


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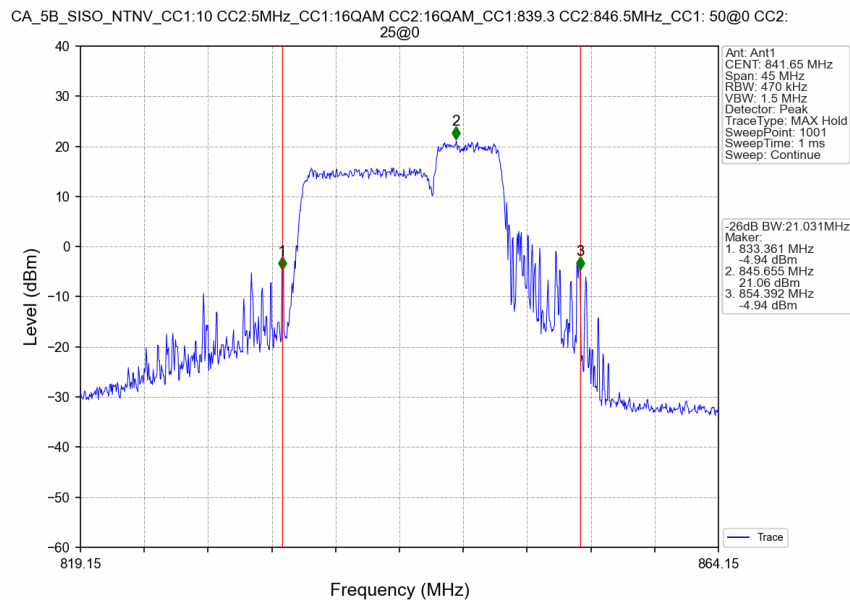
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25@0

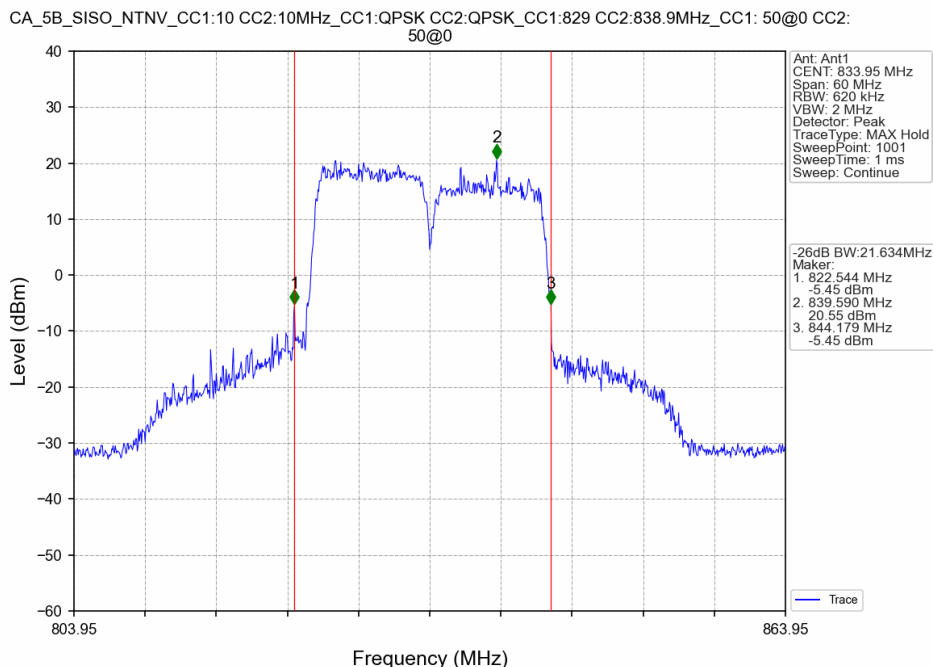


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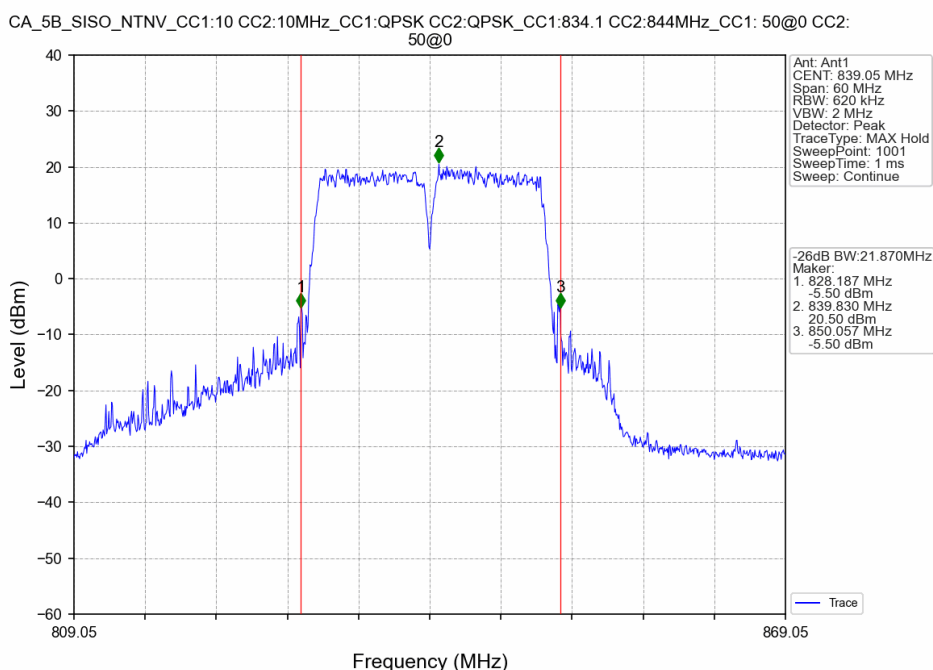
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CA_5B_SISO_NTNV_CC1:10 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:834.1 CC2:844MHz_CC1: 50@0 CC2: 50@0

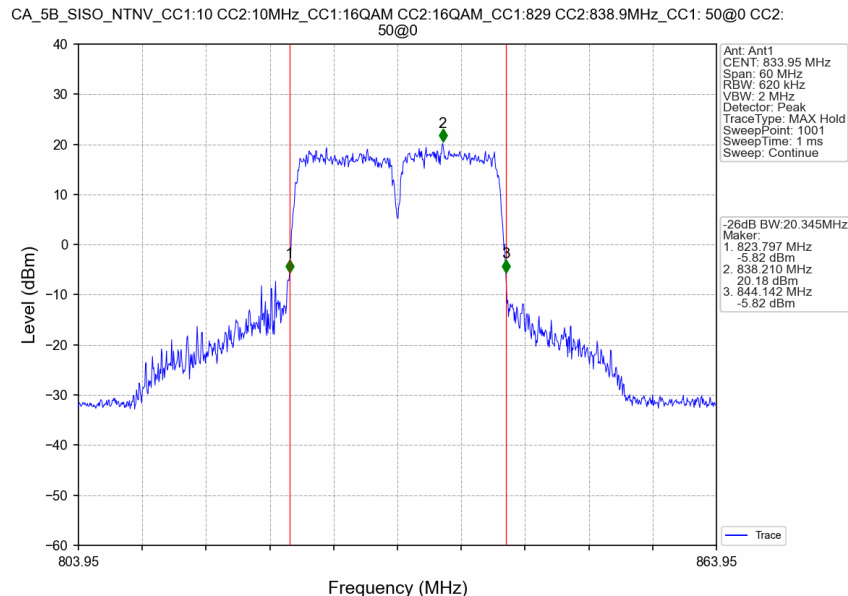


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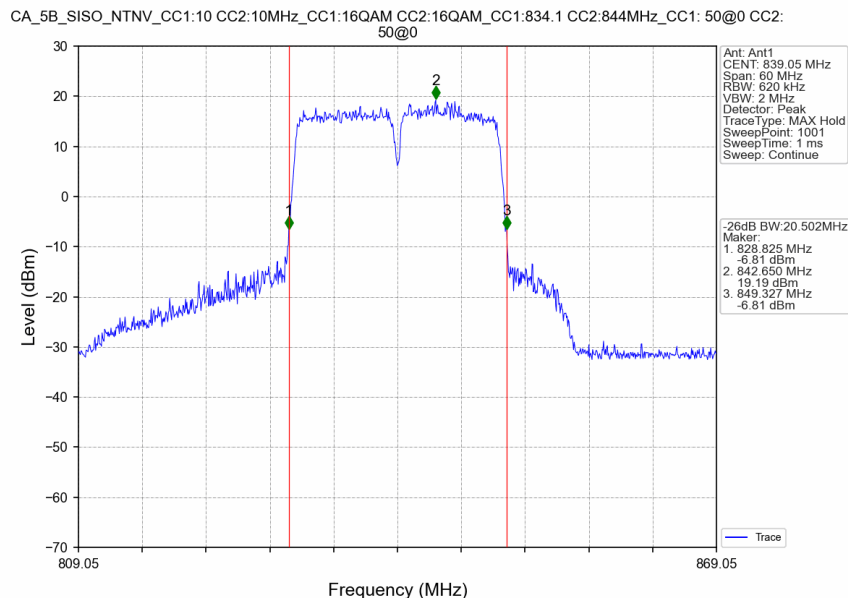
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50@0



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3. Spurious Emission

3.1 Test Result

3.1.1 CA_5B_NTNV

Band: CA_5B / NTNv								
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
				CC1	CC2	Sum	Limit	
CC1:3 CC2:5	CC1: QPSK CC2: QPSK	CC1:825.5 CC2:829.4	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 15@0 CC2: 25@0	Refer To Test Graph				Pass
		CC1:842.6 CC2:846.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@14 CC2: 1@24	Refer To Test Graph				Pass
			CC1: 15@0 CC2: 25@0	Refer To Test Graph				Pass
			CC1: 15@0 CC2: 25@0	Refer To Test Graph				Pass
	CC1: 16QAM CC2: 16QAM	CC1:825.5 CC2:829.4	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 15@0 CC2: 25@0	Refer To Test Graph				Pass
		CC1:842.6 CC2:846.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@14 CC2: 1@24	Refer To Test Graph				Pass
			CC1: 15@0 CC2: 25@0	Refer To Test Graph				Pass
			CC1: 15@0 CC2: 25@0	Refer To Test Graph				Pass
CC1:5 CC2:3	CC1: QPSK CC2: QPSK	CC1:826.5 CC2:830.4	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 25@0 CC2: 15@0	Refer To Test Graph				Pass
		CC1:843.6 CC2:847.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@24 CC2: 1@14	Refer To Test Graph				Pass



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	CC1: 16QAM CC2: 16QAM	CC1:826.5 CC2:830.4	CC1: 25@0 CC2: 15@0	Refer To Test Graph	Pass
			CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 25@0 CC2: 15@0	Refer To Test Graph	Pass
			CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 1@24 CC2: 1@14	Refer To Test Graph	Pass
			CC1: 25@0 CC2: 15@0	Refer To Test Graph	Pass
CC1:5 CC2:10	CC1: QPSK CC2: QPSK	CC1:826.5 CC2:833.7	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 25@0 CC2: 50@0	Refer To Test Graph	Pass
		CC1:836.8 CC2:844	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
			CC1: 25@0 CC2: 50@0	Refer To Test Graph	Pass
	CC1: 16QAM CC2: 16QAM	CC1:826.5 CC2:833.7	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 25@0 CC2: 50@0	Refer To Test Graph	Pass
		CC1:836.8 CC2:844	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
			CC1: 25@0 CC2: 50@0	Refer To Test Graph	Pass
CC1:10 CC2:5	CC1: QPSK CC2: QPSK	CC1:829 CC2:836.2	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
		CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	Refer To Test Graph	Pass
		CC1:839.3 CC2:846.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass



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			CC1: 1@49 CC2: 1@24	Refer To Test Graph	Pass
			CC1: 50@0 CC2: 25@0	Refer To Test Graph	Pass
	CC1: 16QAM CC2: 16QAM	CC1:829 CC2:836.2	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 50@0 CC2: 25@0	Refer To Test Graph	Pass
		CC1:839.3 CC2:846.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 1@49 CC2: 1@24	Refer To Test Graph	Pass
			CC1: 50@0 CC2: 25@0	Refer To Test Graph	Pass
CC1:10 CC2:10	CC1: QPSK CC2: QPSK	CC1:829 CC2:838.9	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 50@0 CC2: 50@0	Refer To Test Graph	Pass
		CC1:834.1 CC2:844	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 1@49 CC2: 1@49	Refer To Test Graph	Pass
			CC1: 50@0 CC2: 50@0	Refer To Test Graph	Pass
	CC1: 16QAM CC2: 16QAM	CC1:829 CC2:838.9	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 50@0 CC2: 50@0	Refer To Test Graph	Pass
		CC1:834.1 CC2:844	CC1: 1@0 CC2: 1@0	Refer To Test Graph	Pass
			CC1: 1@49 CC2: 1@49	Refer To Test Graph	Pass
			CC1: 50@0 CC2: 50@0	Refer To Test Graph	Pass



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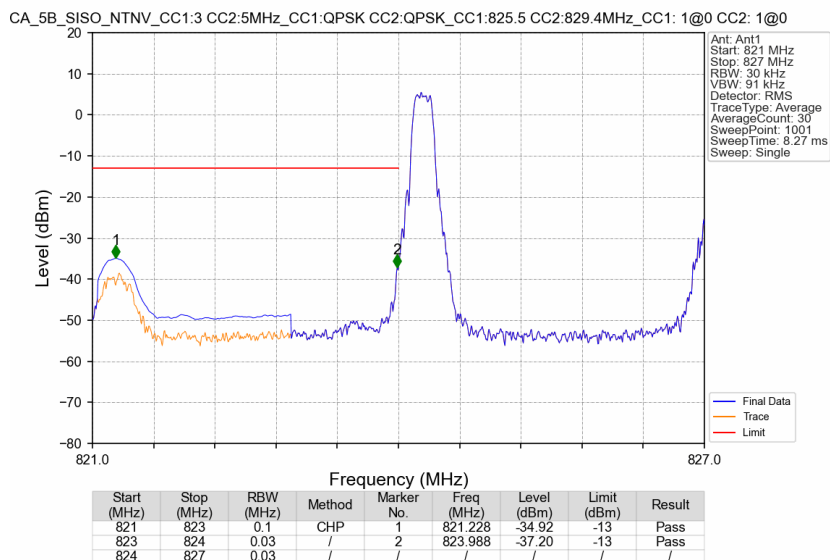
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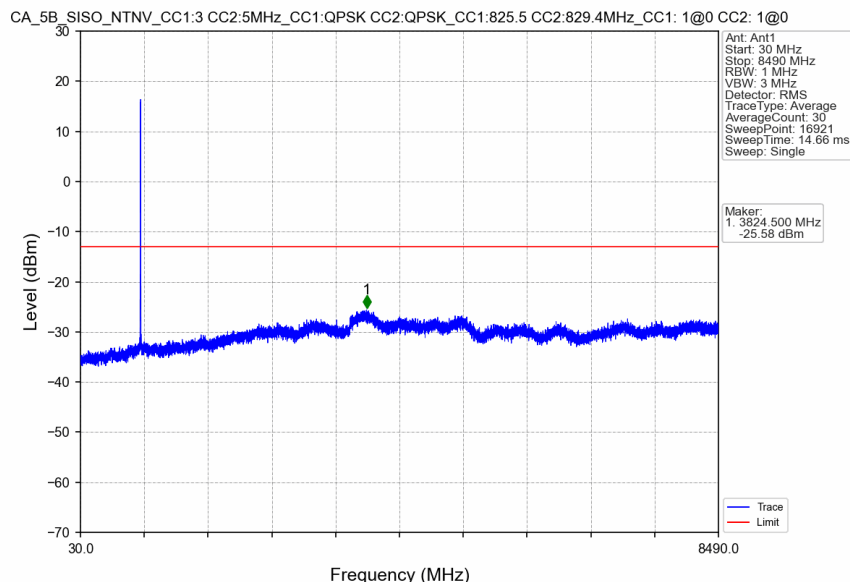
3.2 Test Graph

3.2.1 CA_5B_NTNV

CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:825.5 CC2:829.4MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:825.5 CC2:829.4MHz_CC1: 1@0 CC2: 1@0



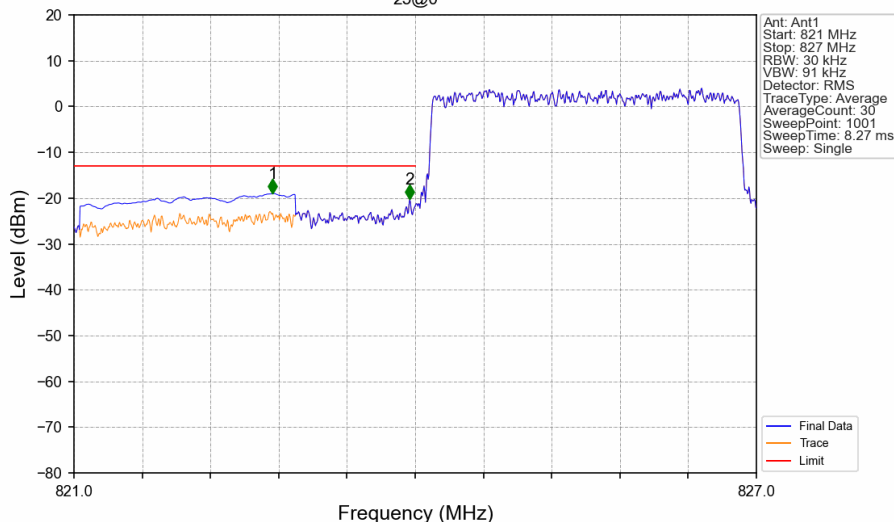
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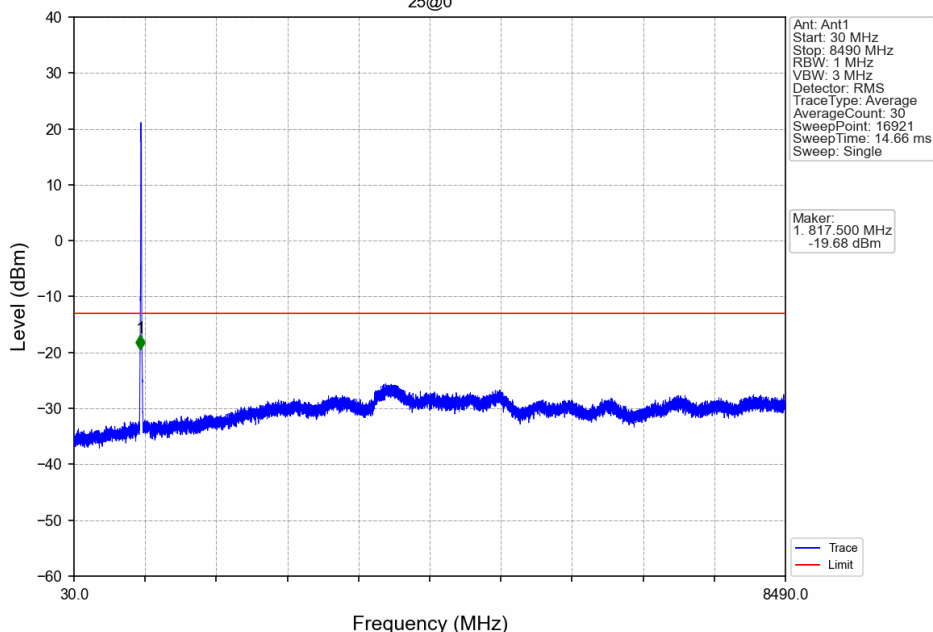
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2: 25@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2: 25@0

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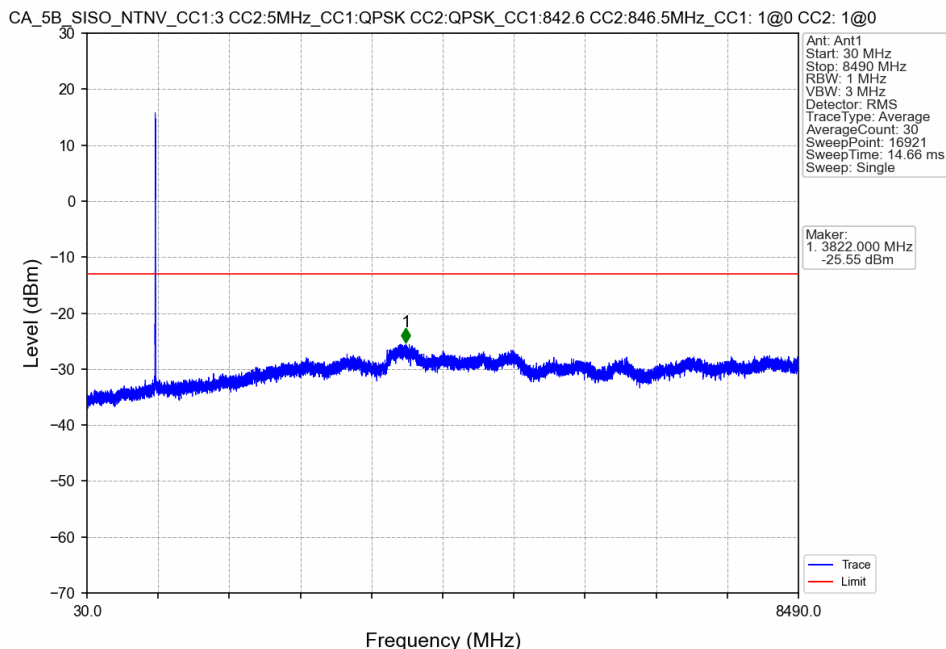


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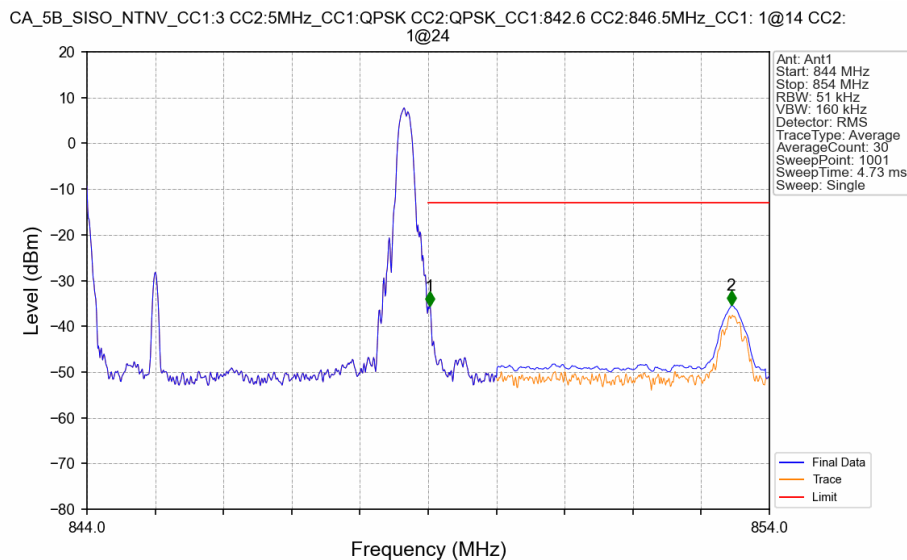
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:842.6 CC2:846.5MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:842.6 CC2:846.5MHz_CC1: 1@14 CC2: 1@24



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	1	849.020	-35.53	-13	Pass
849	850	0.051	/	1	849.020	-35.53	-13	Pass
850	854	0.1	CHP	2	853.440	-35.45	-13	Pass



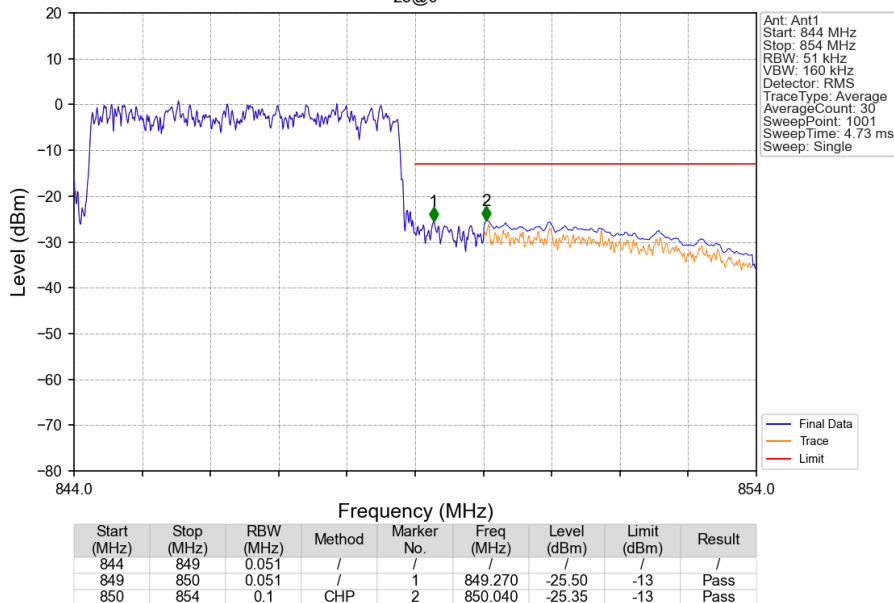
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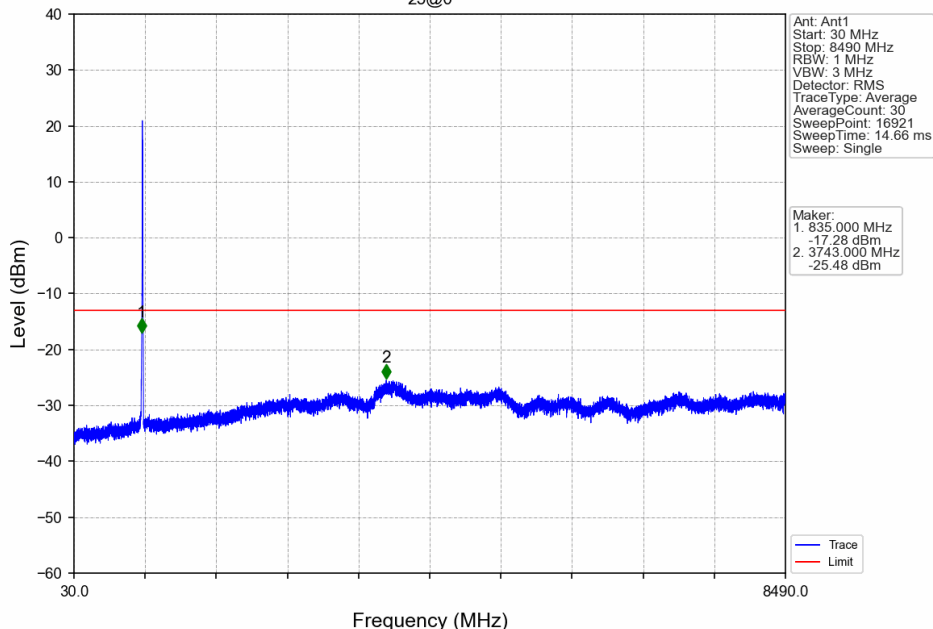
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:842.6 CC2:846.5MHz_CC1: 15@0 CC2: 25@0

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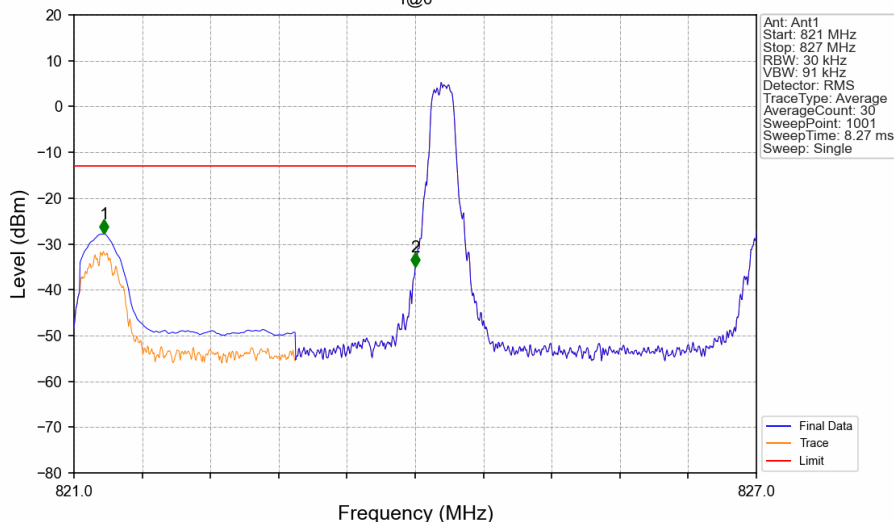
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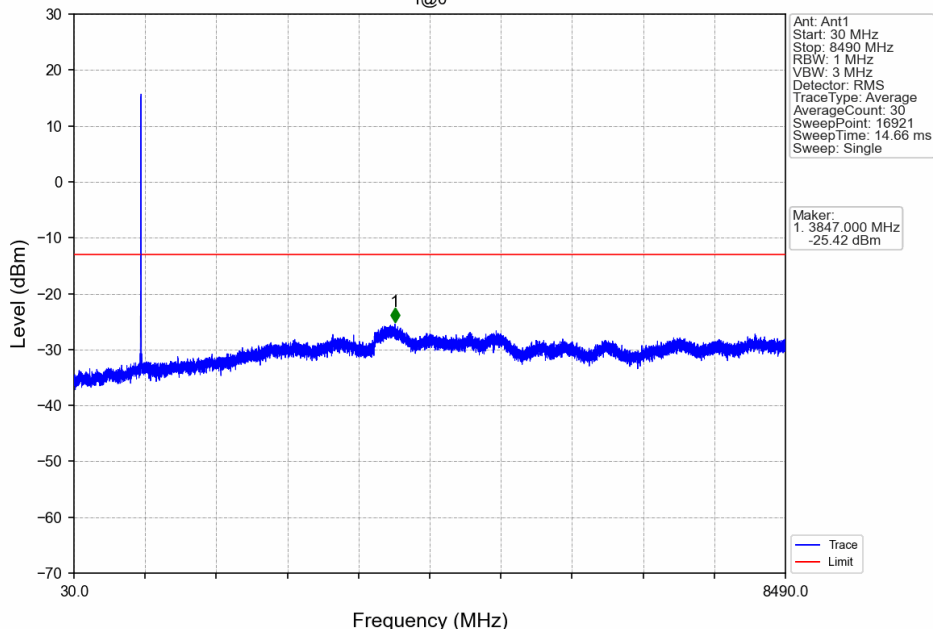
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:825.5 CC2:829.4MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:825.5 CC2:829.4MHz_CC1: 1@0 CC2: 1@0

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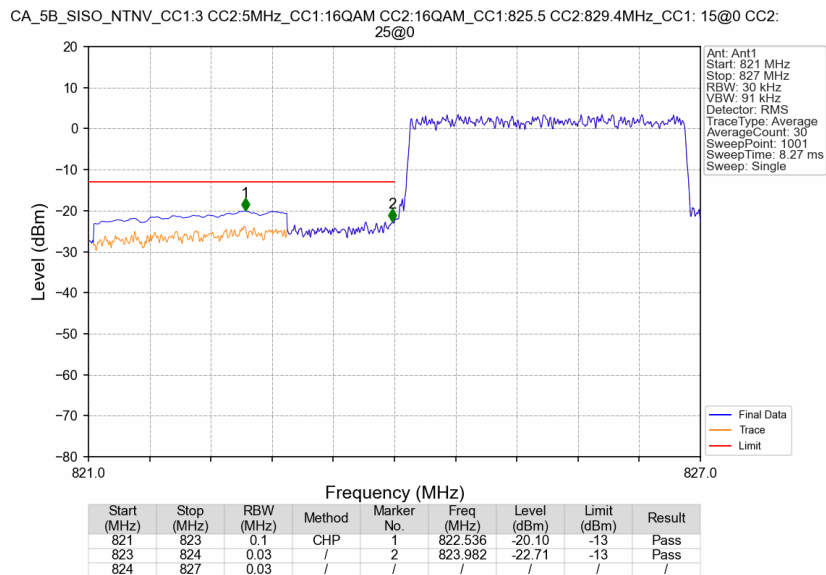


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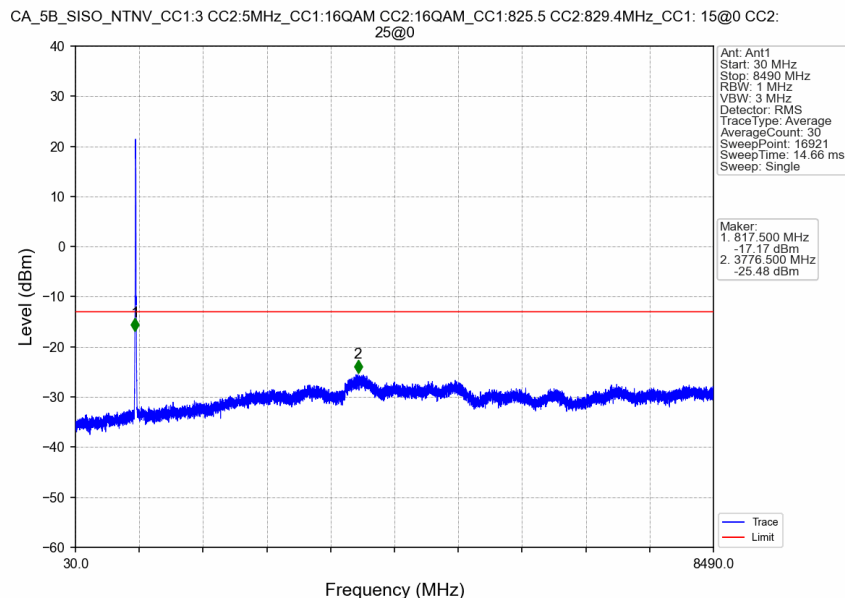
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2: 25@0

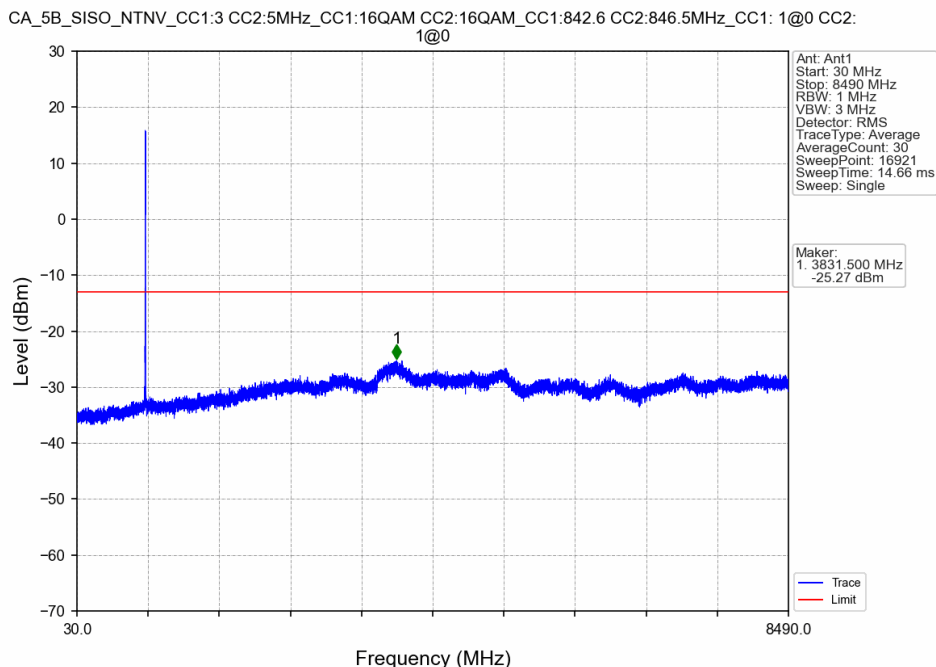


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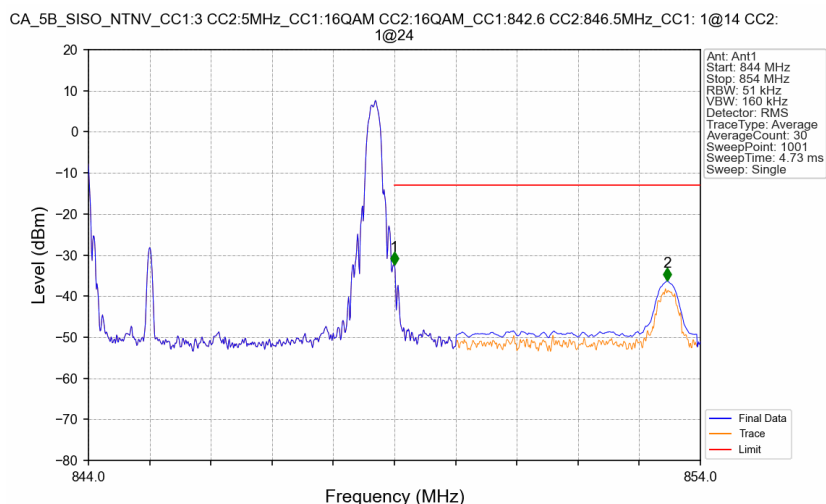
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:842.6 CC2:846.5MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:842.6 CC2:846.5MHz_CC1: 1@14 CC2: 1@24



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	1	849.000	-32.43	-13	Pass
849	850	0.051	/	1	849.000	-32.43	-13	Pass
850	854	0.1	CHP	2	853.460	-36.34	-13	Pass

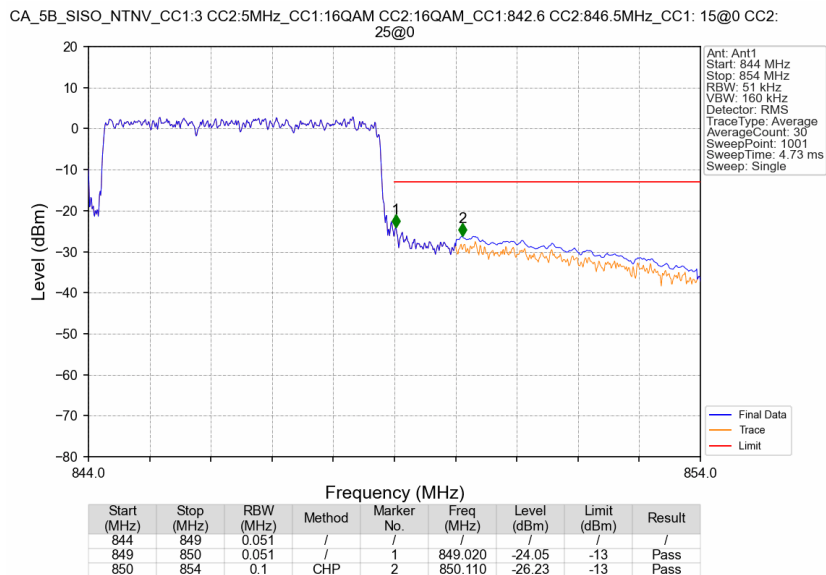


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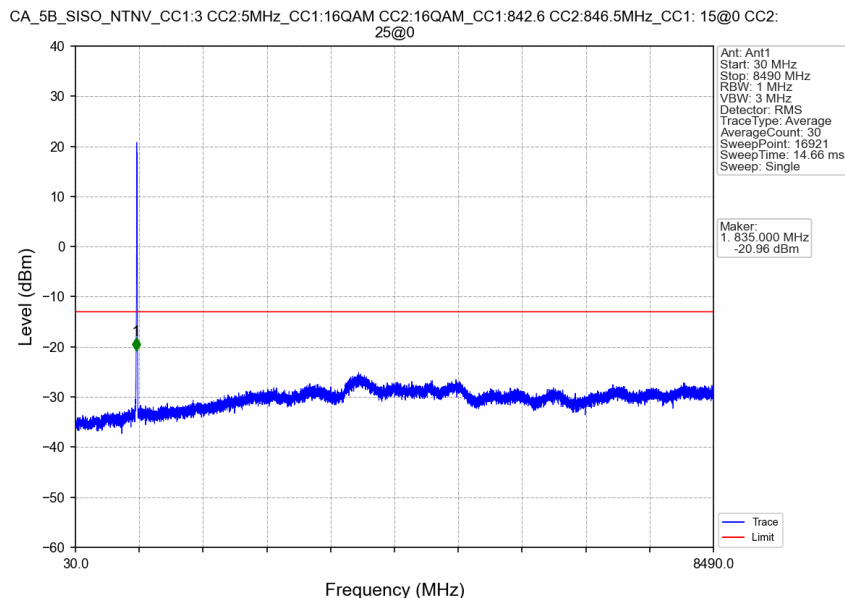
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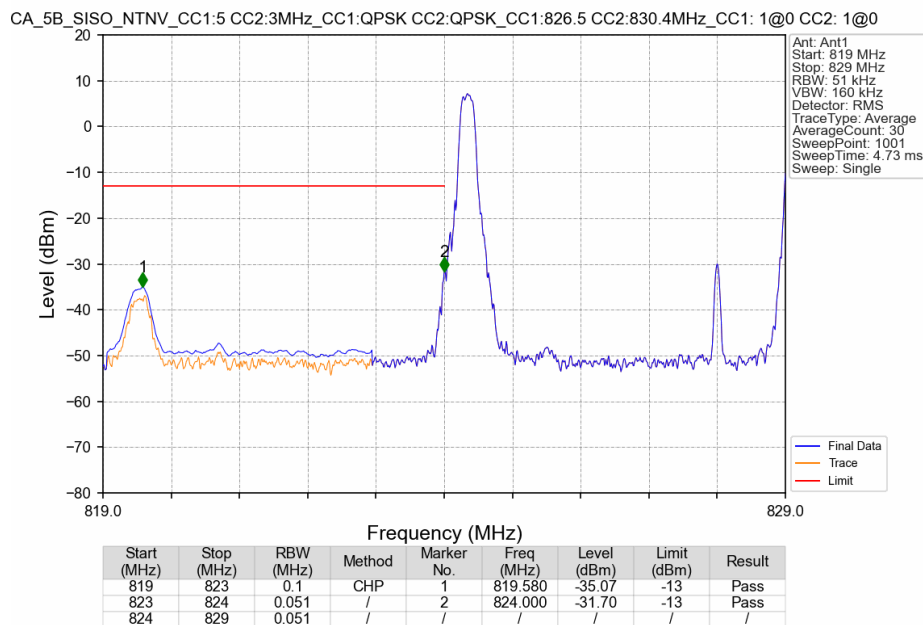


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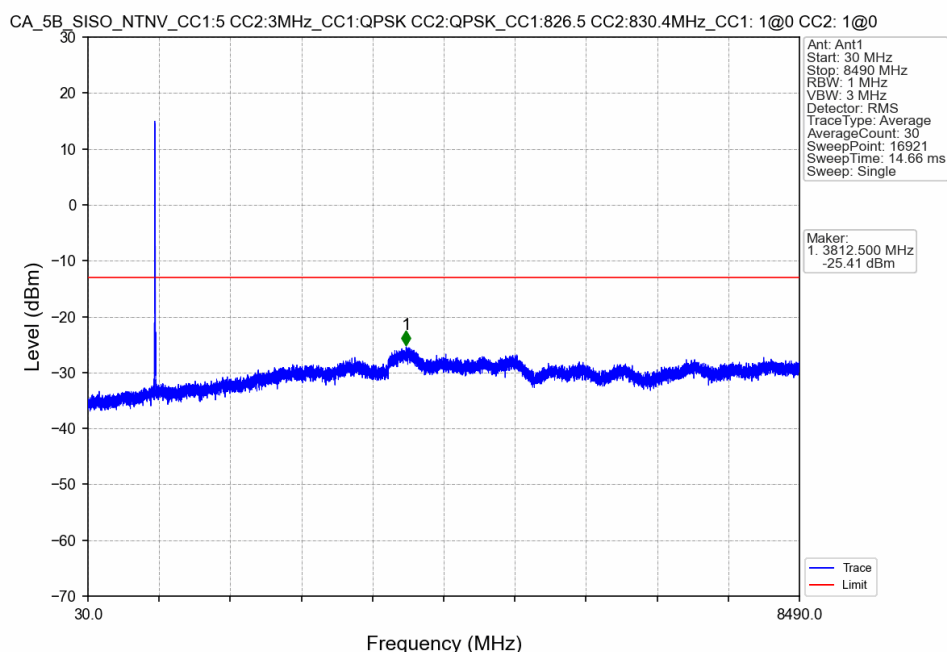
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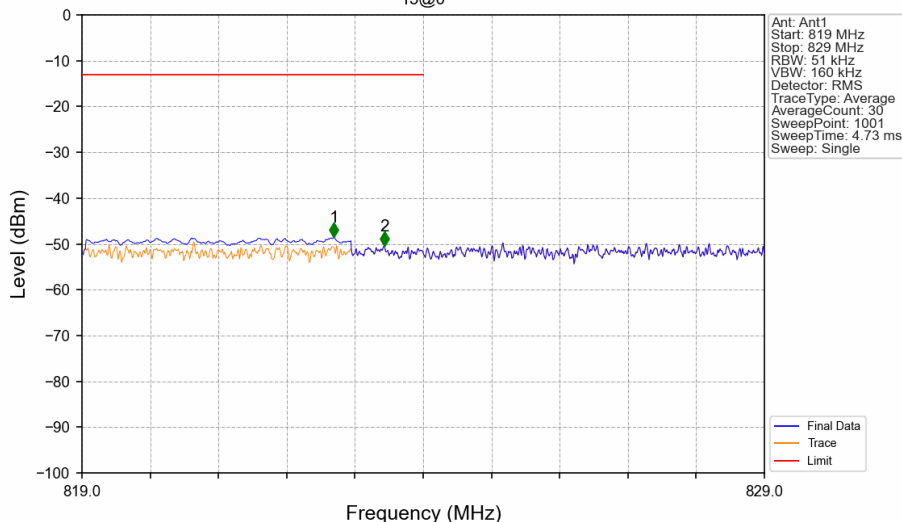
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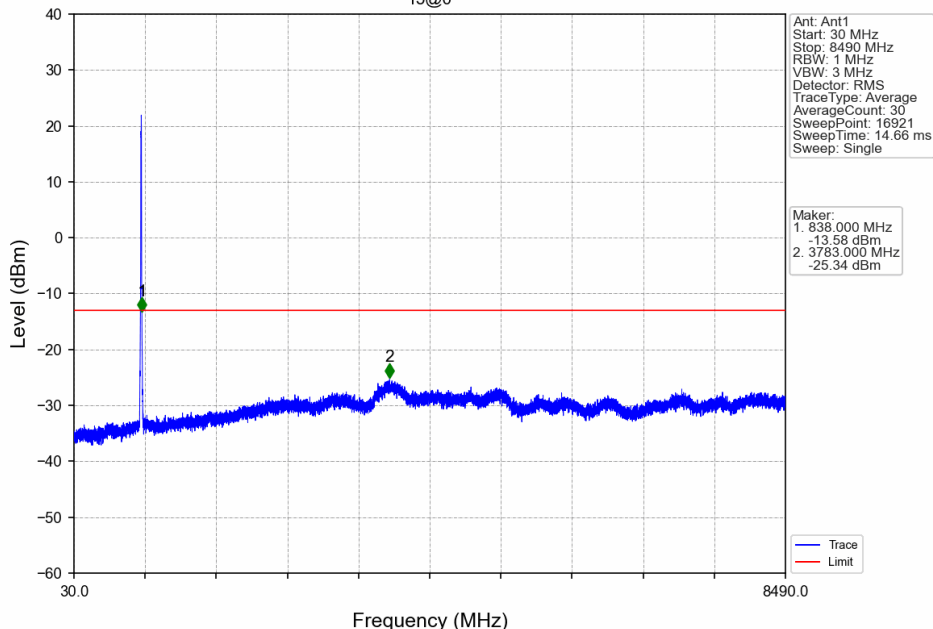
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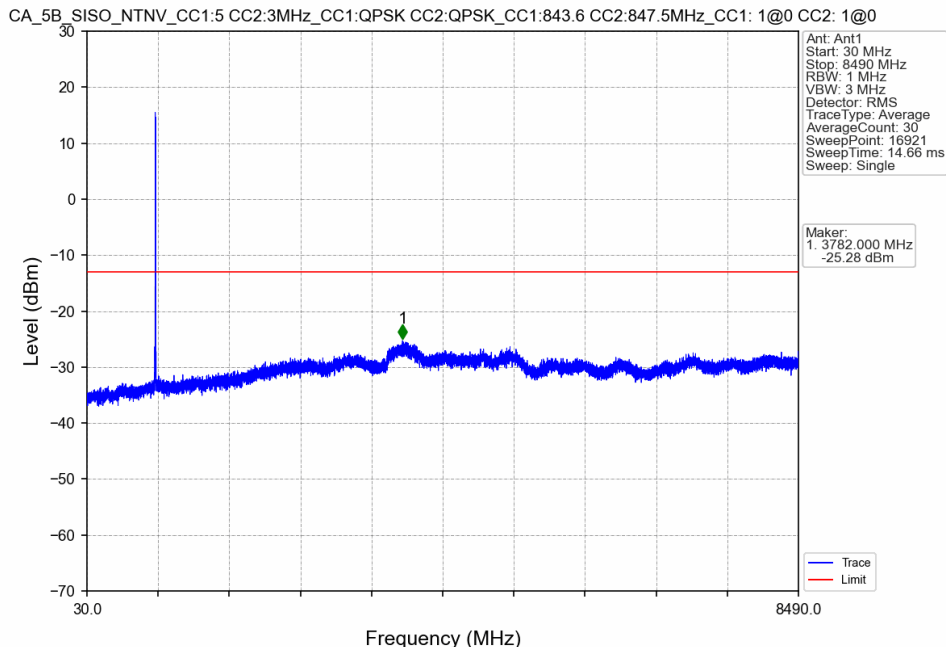


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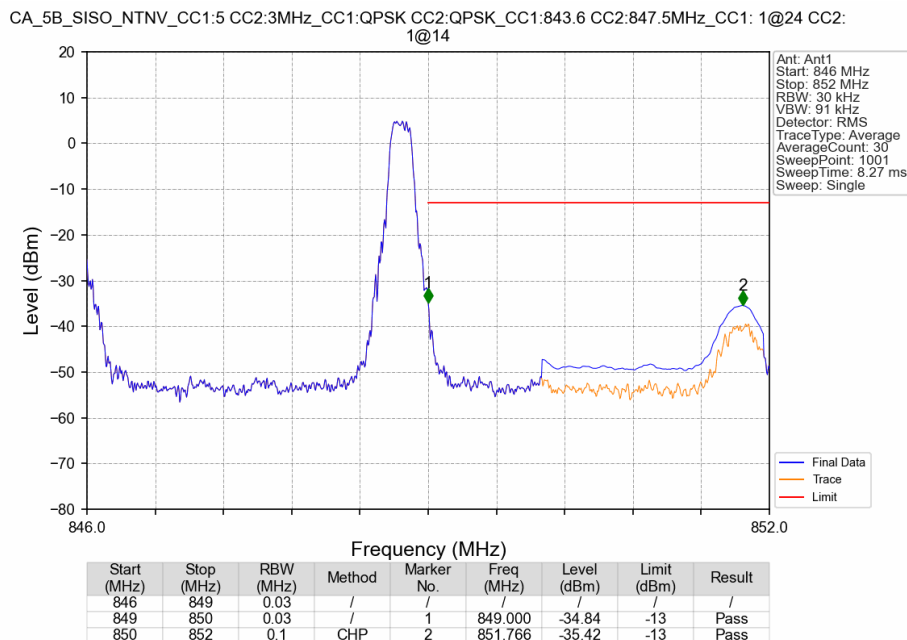
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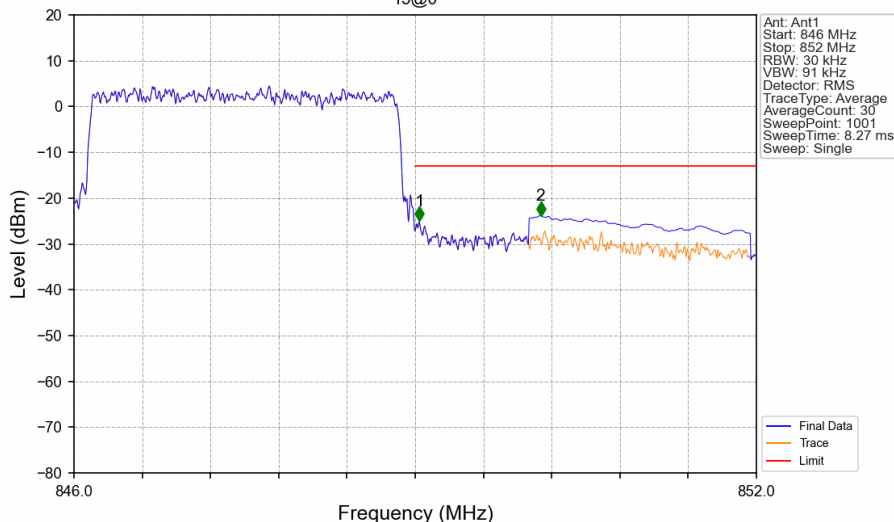
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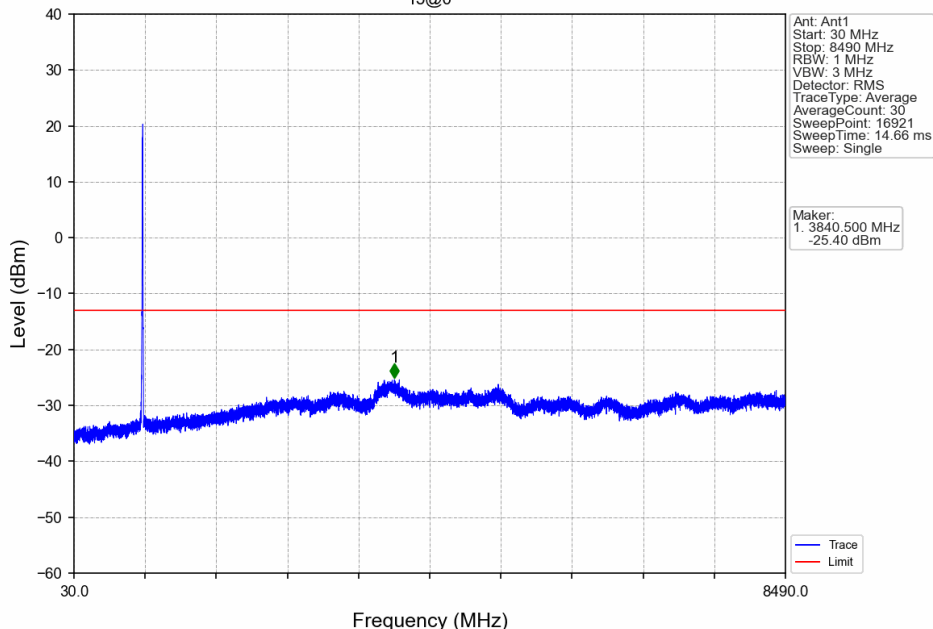
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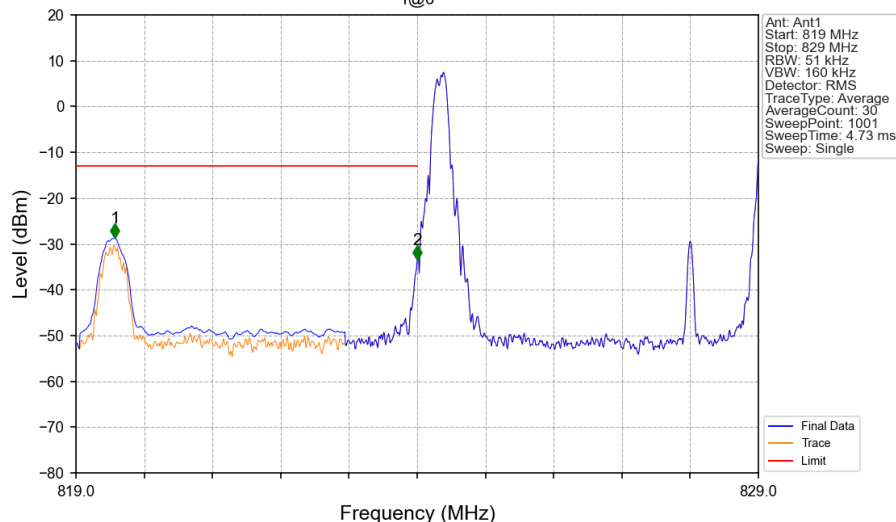
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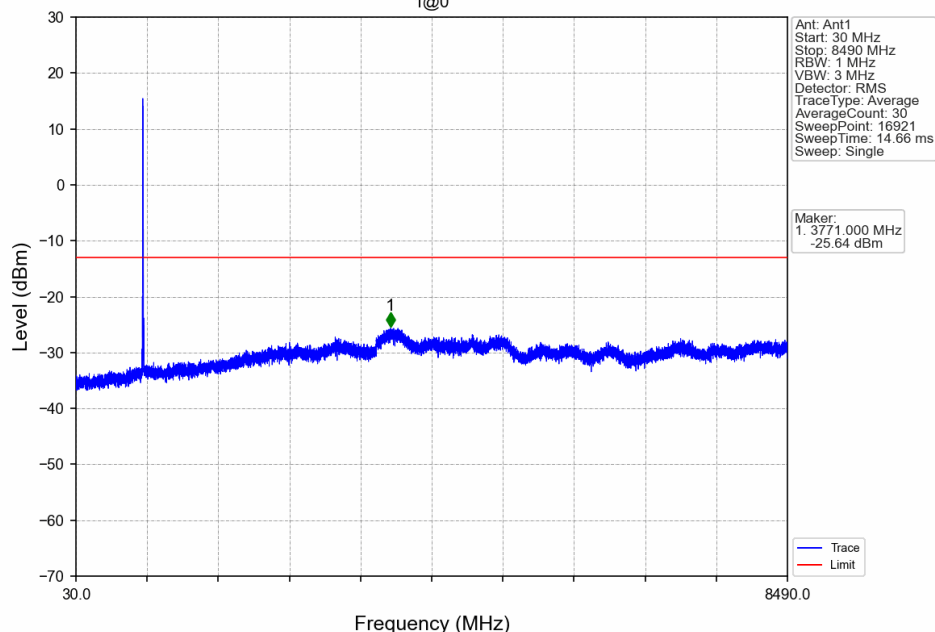
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CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:16QAM CC2:16QAM_CC1:826.5 CC2:830.4MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:16QAM CC2:16QAM_CC1:826.5 CC2:830.4MHz_CC1: 1@0 CC2: 1@0

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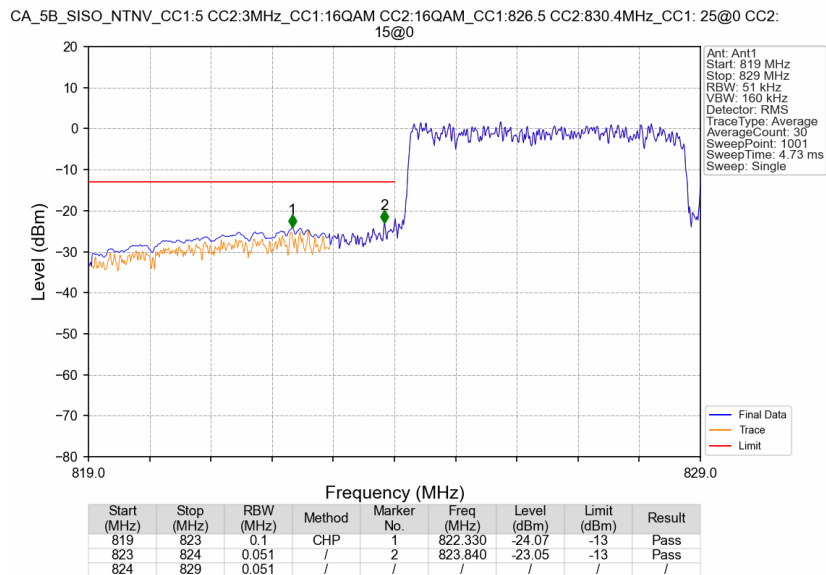


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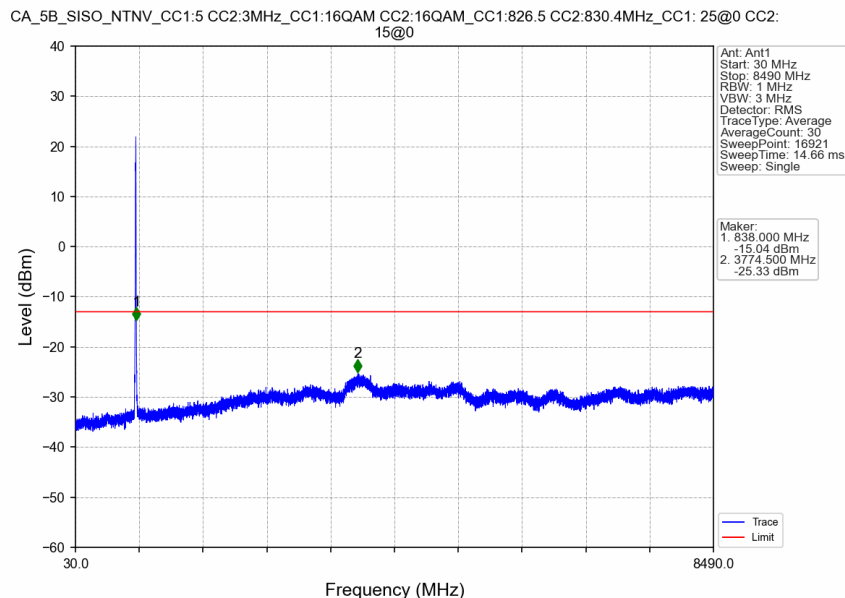
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CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:16QAM CC2:16QAM_CC1:826.5 CC2:830.4MHz_CC1: 25@0 CC2:
15@0



CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:16QAM CC2:16QAM_CC1:826.5 CC2:830.4MHz_CC1: 25@0 CC2:
15@0

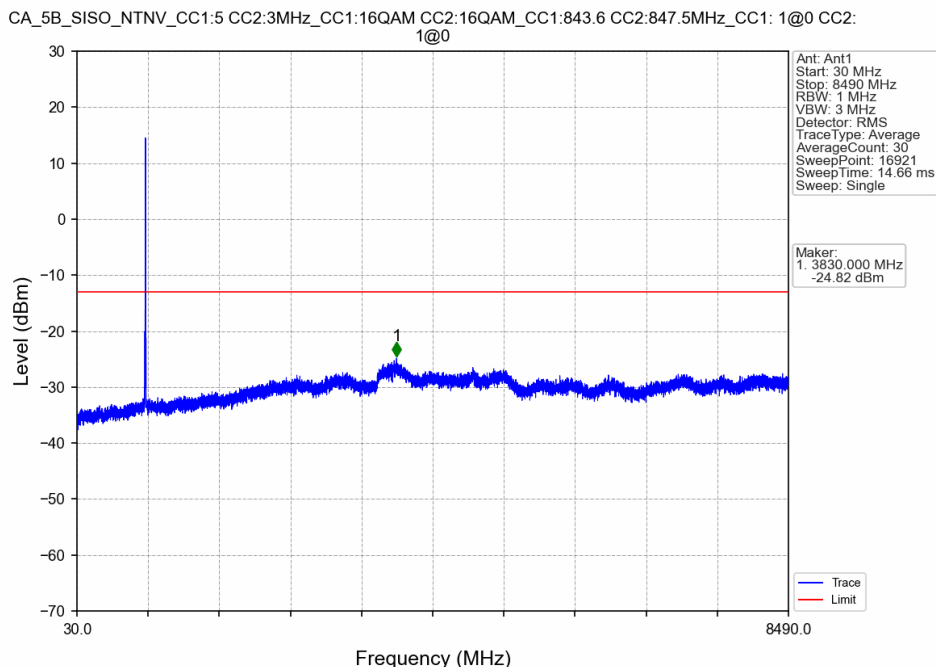


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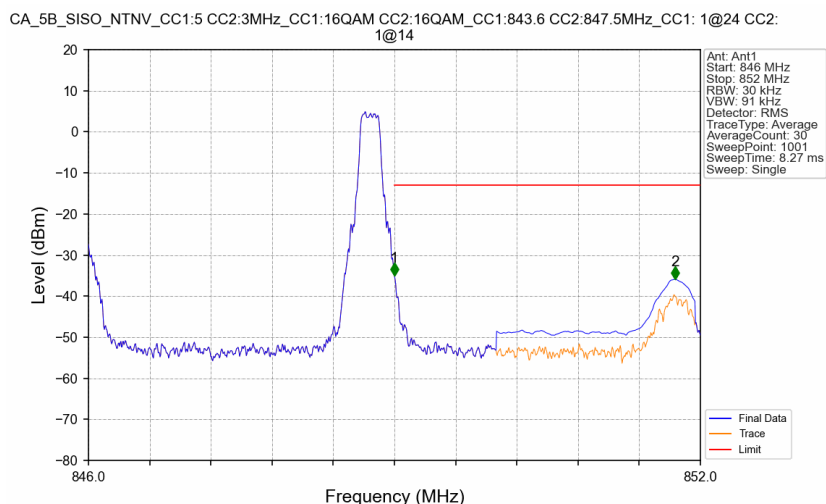
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CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:16QAM CC2:16QAM_CC1:843.6 CC2:847.5MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:16QAM CC2:16QAM_CC1:843.6 CC2:847.5MHz_CC1: 1@24 CC2: 1@14



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	1	849.000	-35.03	-13	Pass
849	850	0.03	/	1	849.000	-35.03	-13	Pass
850	852	0.1	CHP	2	851.754	-35.90	-13	Pass



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