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Appendix B.24

LTE CA_5B



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t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
5--5	10MHz-10MHz	QPSK-QPSK	20450-20549	1RB#0-0RB#0	23.6	24.77	38.45	PASS
5--5	10MHz-10MHz	QPSK-QPSK	20450-20549	50RB#0-50RB#0	22.5	23.67	38.45	PASS
5--5	10MHz-10MHz	QPSK-QPSK	20476-20575	1RB#0-0RB#0	23.65	24.82	38.45	PASS
5--5	10MHz-10MHz	QPSK-QPSK	20476-20575	50RB#0-50RB#0	22.55	23.72	38.45	PASS
5--5	10MHz-10MHz	QPSK-QPSK	20501-20600	1RB#0-0RB#0	23.62	24.79	38.45	PASS
5--5	10MHz-10MHz	QPSK-QPSK	20501-20600	50RB#0-50RB#0	22.59	23.76	38.45	PASS
5--5	10MHz-10MHz	16QAM-16QAM	20450-20549	1RB#0-0RB#0	22.79	23.96	38.45	PASS
5--5	10MHz-10MHz	16QAM-16QAM	20450-20549	50RB#0-50RB#0	21.53	22.7	38.45	PASS
5--5	10MHz-10MHz	16QAM-16QAM	20476-20575	1RB#0-0RB#0	22.88	24.05	38.45	PASS
5--5	10MHz-10MHz	16QAM-16QAM	20476-20575	50RB#0-50RB#0	21.55	22.72	38.45	PASS
5--5	10MHz-10MHz	16QAM-16QAM	20501-20600	1RB#0-0RB#0	22.78	23.95	38.45	PASS
5--5	10MHz-10MHz	16QAM-16QAM	20501-20600	50RB#0-50RB#0	21.56	22.73	38.45	PASS
5--5	10MHz-10MHz	64QAM-64QAM	20450-20549	1RB#0-0RB#0	21.92	23.09	38.45	PASS
5--5	10MHz-10MHz	64QAM-64QAM	20450-20549	50RB#0-50RB#0	21.57	22.74	38.45	PASS
5--5	10MHz-10MHz	64QAM-64QAM	20476-20575	1RB#0-0RB#0	21.94	23.11	38.45	PASS
5--5	10MHz-10MHz	64QAM-64QAM	20476-20575	50RB#0-50RB#0	21.5	22.67	38.45	PASS
5--5	10MHz-10MHz	64QAM-64QAM	20501-20600	1RB#0-0RB#0	21.86	23.03	38.45	PASS



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5--5	10MHz-10MHz	64QAM-64QAM	20501-20600	50RB#0-50RB#0	21.62	22.79	38.45	PASS
5--5	10MHz-10MHz	256QAM-256QAM	20450-20549	1RB#0-0RB#0	19.13	20.3	38.45	PASS
5--5	10MHz-10MHz	256QAM-256QAM	20450-20549	50RB#0-50RB#0	19.56	20.73	38.45	PASS
5--5	10MHz-10MHz	256QAM-256QAM	20476-20575	1RB#0-0RB#0	19.02	20.19	38.45	PASS
5--5	10MHz-10MHz	256QAM-256QAM	20476-20575	50RB#0-50RB#0	19.56	20.73	38.45	PASS
5--5	10MHz-10MHz	256QAM-256QAM	20501-20600	1RB#0-0RB#0	18.88	20.05	38.45	PASS
5--5	10MHz-10MHz	256QAM-256QAM	20501-20600	50RB#0-50RB#0	19.58	20.75	38.45	PASS
5--5	10MHz-5MHz	QPSK-QPSK	20450-20522	1RB#0-0RB#0	23.82	24.99	38.45	PASS
5--5	10MHz-5MHz	QPSK-QPSK	20450-20522	50RB#0-25RB#0	22.59	23.76	38.45	PASS
5--5	10MHz-5MHz	QPSK-QPSK	20500-20572	1RB#0-0RB#0	23.79	24.96	38.45	PASS
5--5	10MHz-5MHz	QPSK-QPSK	20500-20572	50RB#0-25RB#0	22.57	23.74	38.45	PASS
5--5	10MHz-5MHz	QPSK-QPSK	20550-20622	1RB#0-0RB#0	23.69	24.86	38.45	PASS
5--5	10MHz-5MHz	QPSK-QPSK	20550-20622	50RB#0-25RB#0	22.59	23.76	38.45	PASS
5--5	10MHz-5MHz	16QAM-16QAM	20450-20522	1RB#0-0RB#0	22.81	23.98	38.45	PASS
5--5	10MHz-5MHz	16QAM-16QAM	20450-20522	50RB#0-25RB#0	21.55	22.72	38.45	PASS
5--5	10MHz-5MHz	16QAM-16QAM	20500-20572	1RB#0-0RB#0	22.91	24.08	38.45	PASS
5--5	10MHz-5MHz	16QAM-16QAM	20500-20572	50RB#0-25RB#0	21.58	22.75	38.45	PASS
5--5	10MHz-5MHz	16QAM-16QAM	20550-20622	1RB#0-0RB#0	22.99	24.16	38.45	PASS
5--5	10MHz-5MHz	16QAM-16QAM	20550-20622	50RB#0-25RB#0	21.61	22.78	38.45	PASS
5--5	10MHz-5MHz	64QAM-64QAM	20450-20522	1RB#0-0RB#0	22.04	23.21	38.45	PASS



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5--5	10MHz-5MHz	64QAM-64QAM	20450-20522	50RB#0-25RB#0	21.51	22.68	38.45	PASS
5--5	10MHz-5MHz	64QAM-64QAM	20500-20572	1RB#0-0RB#0	21.93	23.1	38.45	PASS
5--5	10MHz-5MHz	64QAM-64QAM	20500-20572	50RB#0-25RB#0	21.57	22.74	38.45	PASS
5--5	10MHz-5MHz	64QAM-64QAM	20550-20622	1RB#0-0RB#0	22.06	23.23	38.45	PASS
5--5	10MHz-5MHz	64QAM-64QAM	20550-20622	50RB#0-25RB#0	21.7	22.87	38.45	PASS
5--5	10MHz-5MHz	256QAM-256QAM	20450-20522	1RB#0-0RB#0	19.03	20.2	38.45	PASS
5--5	10MHz-5MHz	256QAM-256QAM	20450-20522	50RB#0-25RB#0	19.58	20.75	38.45	PASS
5--5	10MHz-5MHz	256QAM-256QAM	20500-20572	1RB#0-0RB#0	18.94	20.11	38.45	PASS
5--5	10MHz-5MHz	256QAM-256QAM	20500-20572	50RB#0-25RB#0	19.56	20.73	38.45	PASS
5--5	10MHz-5MHz	256QAM-256QAM	20550-20622	1RB#0-0RB#0	18.85	20.02	38.45	PASS
5--5	10MHz-5MHz	256QAM-256QAM	20550-20622	50RB#0-25RB#0	19.69	20.86	38.45	PASS
5--5	3MHz-5MHz	QPSK-QPSK	20416-20455	15RB#0-25RB#0	23.88	25.05	38.45	PASS
5--5	3MHz-5MHz	QPSK-QPSK	20416-20455	1RB#0-0RB#0	23.93	25.1	38.45	PASS
5--5	3MHz-5MHz	QPSK-QPSK	20501-20540	15RB#0-25RB#0	23.89	25.06	38.45	PASS
5--5	3MHz-5MHz	QPSK-QPSK	20501-20540	1RB#0-0RB#0	23.78	24.95	38.45	PASS
5--5	3MHz-5MHz	QPSK-QPSK	20586-20625	15RB#0-25RB#0	23.72	24.89	38.45	PASS
5--5	3MHz-5MHz	QPSK-QPSK	20586-20625	1RB#0-0RB#0	23.93	25.1	38.45	PASS
5--5	3MHz-5MHz	16QAM-16QAM	20416-20455	15RB#0-25RB#0	24.17	25.34	38.45	PASS
5--5	3MHz-5MHz	16QAM-16QAM	20416-20455	1RB#0-0RB#0	23.97	25.14	38.45	PASS
5--5	3MHz-5MHz	16QAM-16QAM	20501-20540	15RB#0-25RB#0	24.16	25.33	38.45	PASS



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5--5	3MHz-5MHz	16QAM-16QAM	20501-20540	1RB#0-0RB#0	24	25.17	38.45	PASS
5--5	3MHz-5MHz	16QAM-16QAM	20586-20625	15RB#0-25RB#0	24.12	25.29	38.45	PASS
5--5	3MHz-5MHz	16QAM-16QAM	20586-20625	1RB#0-0RB#0	24.18	25.35	38.45	PASS
5--5	3MHz-5MHz	64QAM-64QAM	20416-20455	15RB#0-25RB#0	23.52	24.69	38.45	PASS
5--5	3MHz-5MHz	64QAM-64QAM	20416-20455	1RB#0-0RB#0	24.24	25.41	38.45	PASS
5--5	3MHz-5MHz	64QAM-64QAM	20501-20540	15RB#0-25RB#0	23.45	24.62	38.45	PASS
5--5	3MHz-5MHz	64QAM-64QAM	20501-20540	1RB#0-0RB#0	24.08	25.25	38.45	PASS
5--5	3MHz-5MHz	64QAM-64QAM	20586-20625	15RB#0-25RB#0	23.2	24.37	38.45	PASS
5--5	3MHz-5MHz	64QAM-64QAM	20586-20625	1RB#0-0RB#0	24.19	25.36	38.45	PASS
5--5	3MHz-5MHz	256QAM-256QAM	20416-20455	15RB#0-25RB#0	22.72	23.89	38.45	PASS
5--5	3MHz-5MHz	256QAM-256QAM	20416-20455	1RB#0-0RB#0	22.93	24.1	38.45	PASS
5--5	3MHz-5MHz	256QAM-256QAM	20501-20540	15RB#0-25RB#0	22.49	23.66	38.45	PASS
5--5	3MHz-5MHz	256QAM-256QAM	20501-20540	1RB#0-0RB#0	22.37	23.54	38.45	PASS
5--5	3MHz-5MHz	256QAM-256QAM	20586-20625	15RB#0-25RB#0	22.24	23.41	38.45	PASS
5--5	3MHz-5MHz	256QAM-256QAM	20586-20625	1RB#0-0RB#0	22.52	23.69	38.45	PASS
5--5	5MHz-10MHz	QPSK-QPSK	20428-20500	1RB#0-0RB#0	23.78	24.95	38.45	PASS
5--5	5MHz-10MHz	QPSK-QPSK	20428-20500	25RB#0-50RB#0	22.54	23.71	38.45	PASS
5--5	5MHz-10MHz	QPSK-QPSK	20478-20550	1RB#0-0RB#0	23.67	24.84	38.45	PASS
5--5	5MHz-10MHz	QPSK-QPSK	20478-20550	25RB#0-50RB#0	22.52	23.69	38.45	PASS
5--5	5MHz-10MHz	QPSK-QPSK	20528-20600	1RB#0-0RB#0	23.7	24.87	38.45	PASS



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5--5	5MHz-10MHz	QPSK-QPSK	20528-20600	25RB#0-50RB#0	22.54	23.71	38.45	PASS
5--5	5MHz-10MHz	16QAM-16QAM	20428-20500	1RB#0-0RB#0	23.14	24.31	38.45	PASS
5--5	5MHz-10MHz	16QAM-16QAM	20428-20500	25RB#0-50RB#0	21.57	22.74	38.45	PASS
5--5	5MHz-10MHz	16QAM-16QAM	20478-20550	1RB#0-0RB#0	22.86	24.03	38.45	PASS
5--5	5MHz-10MHz	16QAM-16QAM	20478-20550	25RB#0-50RB#0	21.53	22.7	38.45	PASS
5--5	5MHz-10MHz	16QAM-16QAM	20528-20600	1RB#0-0RB#0	22.99	24.16	38.45	PASS
5--5	5MHz-10MHz	16QAM-16QAM	20528-20600	25RB#0-50RB#0	21.63	22.8	38.45	PASS
5--5	5MHz-10MHz	64QAM-64QAM	20428-20500	1RB#0-0RB#0	21.95	23.12	38.45	PASS
5--5	5MHz-10MHz	64QAM-64QAM	20428-20500	25RB#0-50RB#0	21.61	22.78	38.45	PASS
5--5	5MHz-10MHz	64QAM-64QAM	20478-20550	1RB#0-0RB#0	22.05	23.22	38.45	PASS
5--5	5MHz-10MHz	64QAM-64QAM	20478-20550	25RB#0-50RB#0	21.6	22.77	38.45	PASS
5--5	5MHz-10MHz	64QAM-64QAM	20528-20600	1RB#0-0RB#0	22.02	23.19	38.45	PASS
5--5	5MHz-10MHz	64QAM-64QAM	20528-20600	25RB#0-50RB#0	21.62	22.79	38.45	PASS
5--5	5MHz-10MHz	256QAM-256QAM	20428-20500	1RB#0-0RB#0	18.95	20.12	38.45	PASS
5--5	5MHz-10MHz	256QAM-256QAM	20428-20500	25RB#0-50RB#0	19.55	20.72	38.45	PASS
5--5	5MHz-10MHz	256QAM-256QAM	20478-20550	1RB#0-0RB#0	18.92	20.09	38.45	PASS
5--5	5MHz-10MHz	256QAM-256QAM	20478-20550	25RB#0-50RB#0	19.51	20.68	38.45	PASS
5--5	5MHz-10MHz	256QAM-256QAM	20528-20600	1RB#0-0RB#0	18.93	20.1	38.45	PASS
5--5	5MHz-10MHz	256QAM-256QAM	20528-20600	25RB#0-50RB#0	19.68	20.85	38.45	PASS
5--5	5MHz-3MHz	QPSK-QPSK	20425-20464	1RB#0-0RB#0	23.89	25.06	38.45	PASS



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5--5	5MHz-3MHz	QPSK-QPSK	20425-20464	25RB#0-15RB#0	23.85	25.02	38.45	PASS
5--5	5MHz-3MHz	QPSK-QPSK	20510-20549	1RB#0-0RB#0	23.76	24.93	38.45	PASS
5--5	5MHz-3MHz	QPSK-QPSK	20510-20549	25RB#0-15RB#0	23.87	25.04	38.45	PASS
5--5	5MHz-3MHz	QPSK-QPSK	20595-20634	1RB#0-0RB#0	23.92	25.09	38.45	PASS
5--5	5MHz-3MHz	QPSK-QPSK	20595-20634	25RB#0-15RB#0	23.81	24.98	38.45	PASS
5--5	5MHz-3MHz	16QAM-16QAM	20425-20464	1RB#0-0RB#0	24.06	25.23	38.45	PASS
5--5	5MHz-3MHz	16QAM-16QAM	20425-20464	25RB#0-15RB#0	24.21	25.38	38.45	PASS
5--5	5MHz-3MHz	16QAM-16QAM	20510-20549	1RB#0-0RB#0	24.01	25.18	38.45	PASS
5--5	5MHz-3MHz	16QAM-16QAM	20510-20549	25RB#0-15RB#0	24.11	25.28	38.45	PASS
5--5	5MHz-3MHz	16QAM-16QAM	20595-20634	1RB#0-0RB#0	24.12	25.29	38.45	PASS
5--5	5MHz-3MHz	16QAM-16QAM	20595-20634	25RB#0-15RB#0	24.01	25.18	38.45	PASS
5--5	5MHz-3MHz	64QAM-64QAM	20425-20464	1RB#0-0RB#0	24.08	25.25	38.45	PASS
5--5	5MHz-3MHz	64QAM-64QAM	20425-20464	25RB#0-15RB#0	23.59	24.76	38.45	PASS
5--5	5MHz-3MHz	64QAM-64QAM	20510-20549	1RB#0-0RB#0	24.2	25.37	38.45	PASS
5--5	5MHz-3MHz	64QAM-64QAM	20510-20549	25RB#0-15RB#0	23.52	24.69	38.45	PASS
5--5	5MHz-3MHz	64QAM-64QAM	20595-20634	1RB#0-0RB#0	24.09	25.26	38.45	PASS
5--5	5MHz-3MHz	64QAM-64QAM	20595-20634	25RB#0-15RB#0	23.09	24.26	38.45	PASS
5--5	5MHz-3MHz	256QAM-256QAM	20425-20464	1RB#0-0RB#0	23.02	24.19	38.45	PASS
5--5	5MHz-3MHz	256QAM-256QAM	20425-20464	25RB#0-15RB#0	22.68	23.85	38.45	PASS
5--5	5MHz-3MHz	256QAM-256QAM	20510-20549	1RB#0-0RB#0	22.33	23.5	38.45	PASS



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5--5	5MHz-3MHz	256QAM-256QAM	20510-20549	25RB#0-15RB#0	22.51	23.68	38.45	PASS
5--5	5MHz-3MHz	256QAM-256QAM	20595-20634	1RB#0-0RB#0	22.65	23.82	38.45	PASS
5--5	5MHz-3MHz	256QAM-256QAM	20595-20634	25RB#0-15RB#0	22.1	23.27	38.45	PASS



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2. 99% & 26dB Bandwidth

2.1 CA_5B_NTNV_OBW

2.1.1 Test Result

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	7.54	/	Pass
		CC2:846.5	CC2: 25@0			
	CC1: 16QAM	CC1:825.5	CC1: 15@0	8.11	/	Pass
		CC2:829.4	CC2: 25@0			
	CC2: 16QAM	CC1:842.6	CC1: 15@0	7.54	/	Pass
		CC2:846.5	CC2: 25@0			
CC1:5 CC2:3	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	7.57	/	Pass
		CC2:847.5	CC2: 15@0			
	CC1: 16QAM	CC1:826.5	CC1: 25@0	7.70	/	Pass
		CC2:830.4	CC2: 15@0			
	CC2: 16QAM	CC1:843.6	CC1: 25@0	7.57	/	Pass
		CC2:847.5	CC2: 15@0			
CC1:5 CC2:10	CC1: QPSK	CC1:826.5	CC1: 25@0	13.94	/	Pass
		CC2:833.7	CC2: 50@0			
	CC2: QPSK	CC1:836.8	CC1: 25@0	13.93	/	Pass
		CC2:844	CC2: 50@0			
	CC1: 16QAM	CC1:826.5	CC1: 25@0	13.94	/	Pass
		CC2:833.7	CC2: 50@0			
	CC2: 16QAM	CC1:836.8	CC1: 25@0	13.93	/	Pass
		CC2:844	CC2: 50@0			



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	CC1: 64QAM	CC1:826.5 CC2:833.7	CC1: 25@0 CC2: 50@0	13.95	/	Pass
	CC2: 64QAM	CC1:836.8 CC2:844	CC1: 25@0 CC2: 50@0	13.91	/	Pass
	CC1: 256QAM	CC1:826.5 CC2:833.7	CC1: 25@0 CC2: 50@0	13.95	/	Pass
	CC2: 256QAM	CC1:836.8 CC2:844	CC1: 25@0 CC2: 50@0	13.89	/	Pass
CC1:10 CC2:5	CC1: QPSK	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	13.94	/	Pass
	CC2: QPSK	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	14.18	/	Pass
	CC1: 16QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	13.96	/	Pass
	CC2: 16QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	14.15	/	Pass
	CC1: 64QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	13.98	/	Pass
	CC2: 64QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	14.28	/	Pass
	CC1: 256QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	13.94	/	Pass
	CC2: 256QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	13.94	/	Pass
CC1:10 CC2:10	CC1: QPSK	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	18.93	/	Pass
	CC2: QPSK	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	18.95	/	Pass
	CC1: 16QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	18.89	/	Pass
	CC2: 16QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	18.90	/	Pass
	CC1: 64QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	18.91	/	Pass
	CC2: 64QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	18.91	/	Pass
	CC1: 256QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	18.83	/	Pass
	CC2: 256QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	18.93	/	Pass



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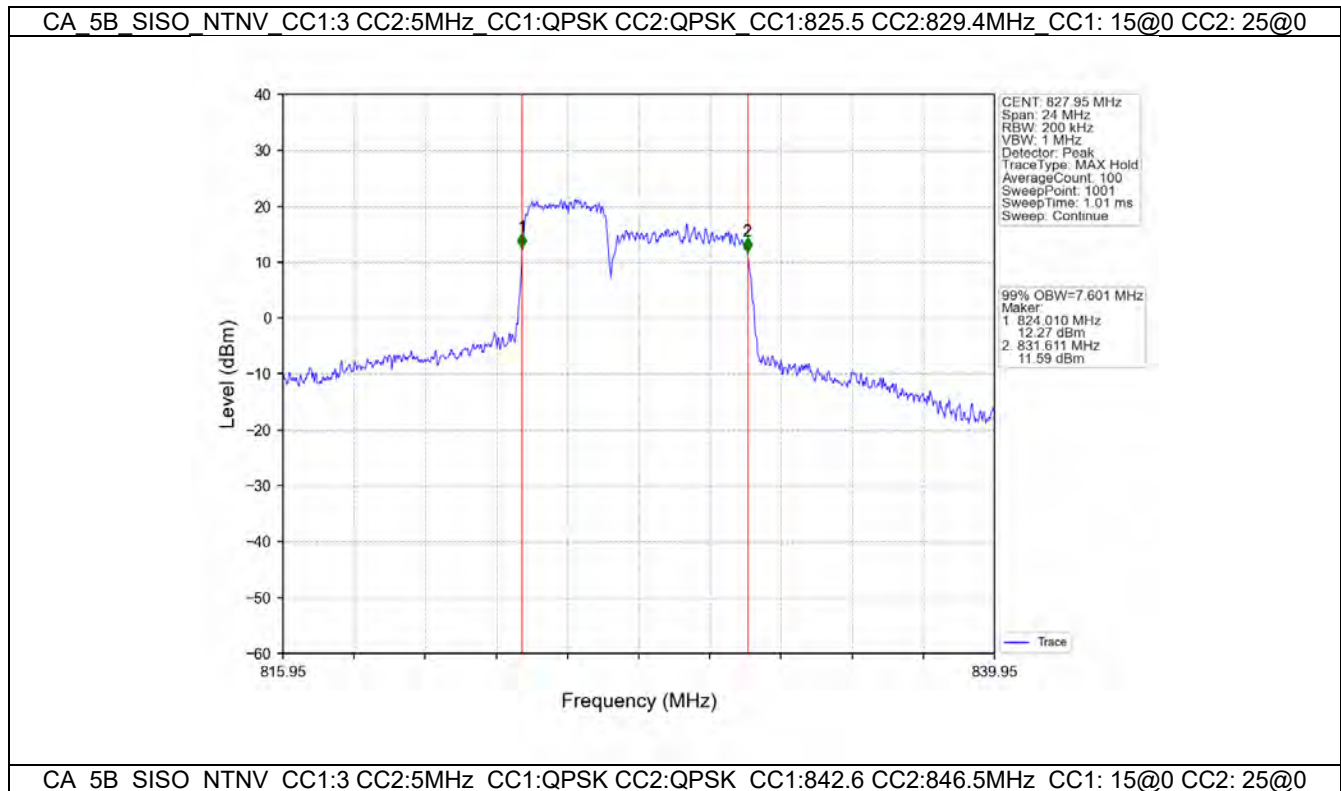
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2.1.2 Test Graph



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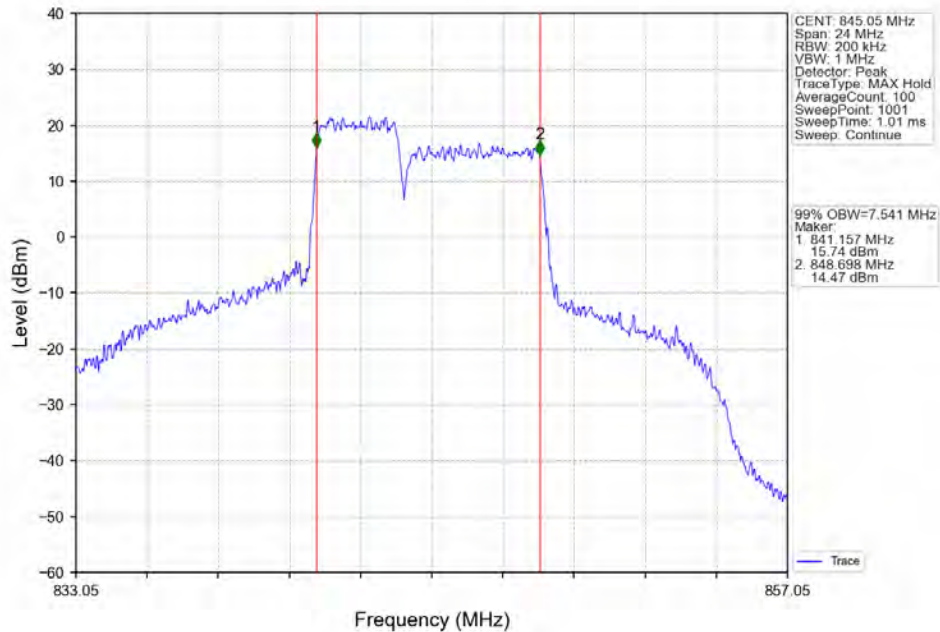
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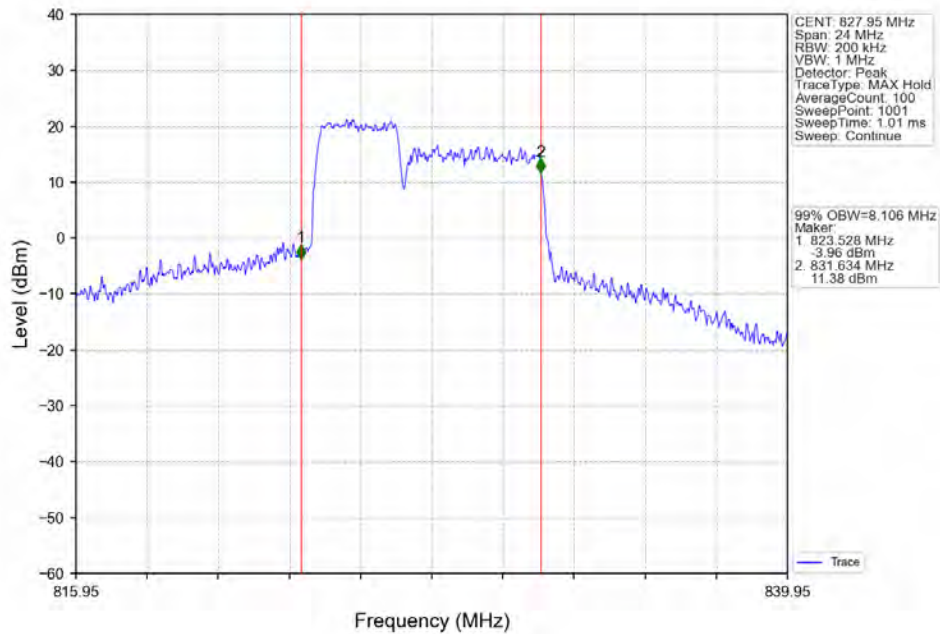
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:16QAM CC2:16QAM_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2: 25@0



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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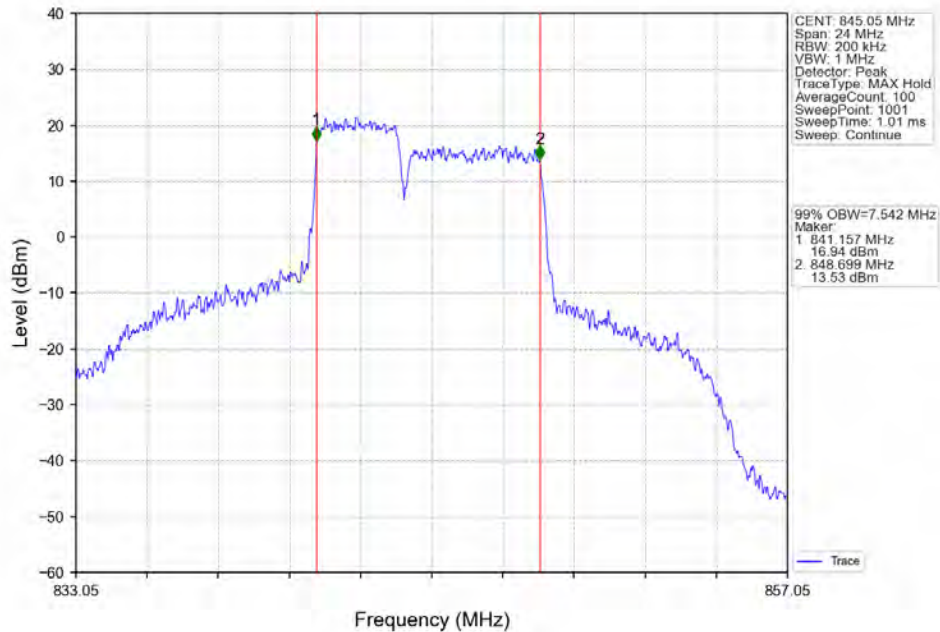
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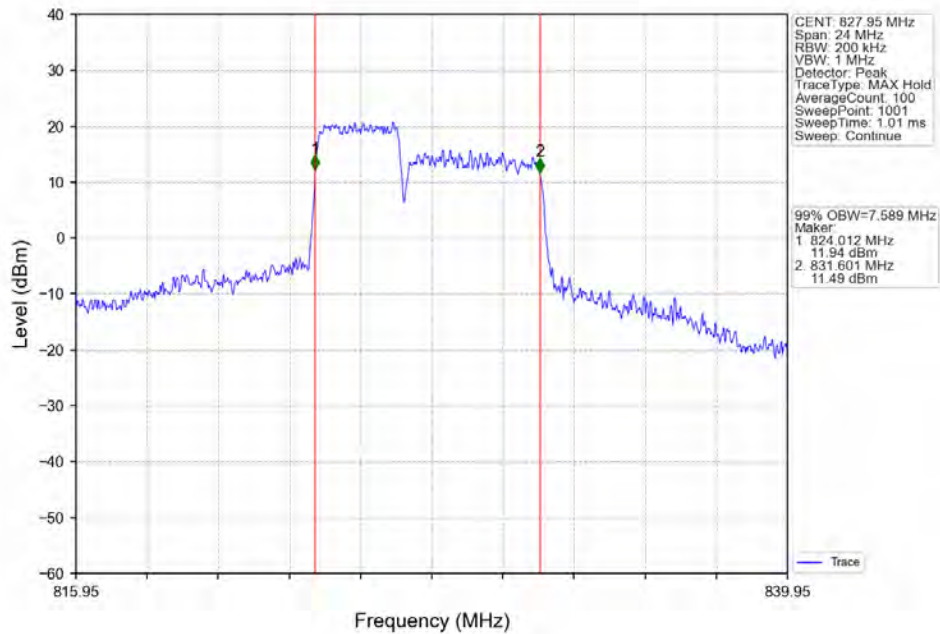
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:64QAM CC2:64QAM_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2: 25@0



CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:64QAM CC2:64QAM_CC1:842.6 CC2:846.5MHz_CC1: 15@0 CC2: 25@0



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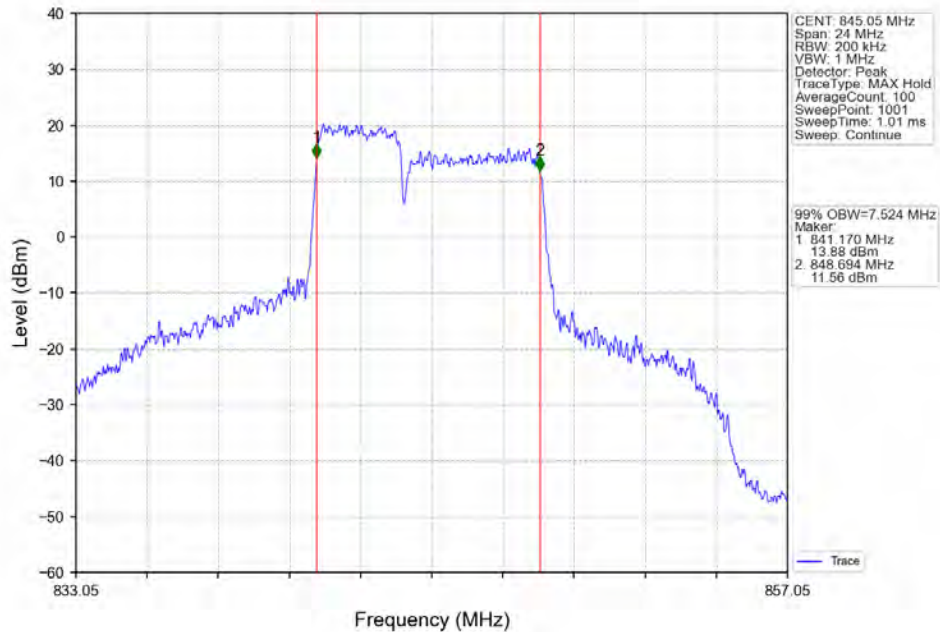
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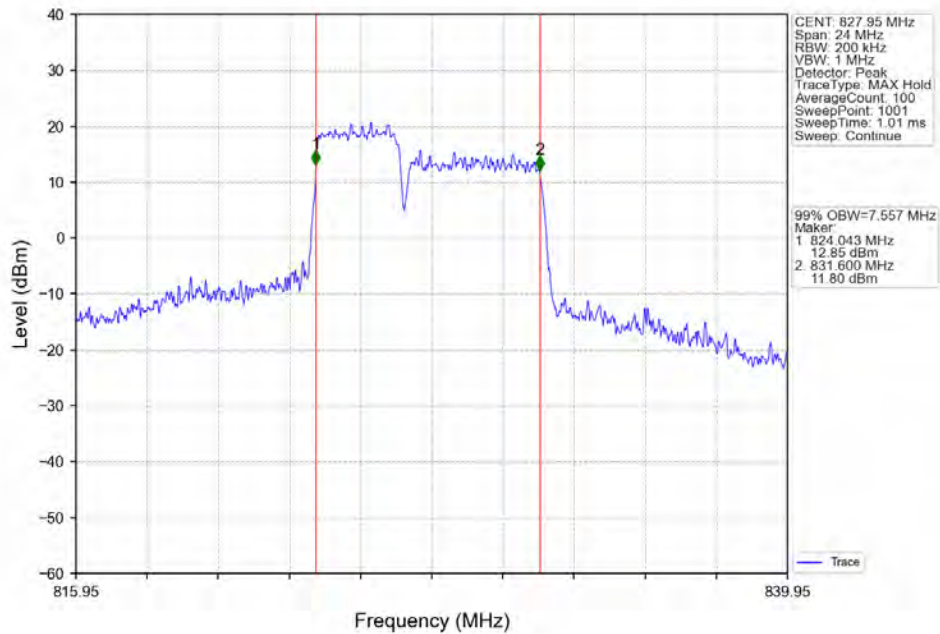
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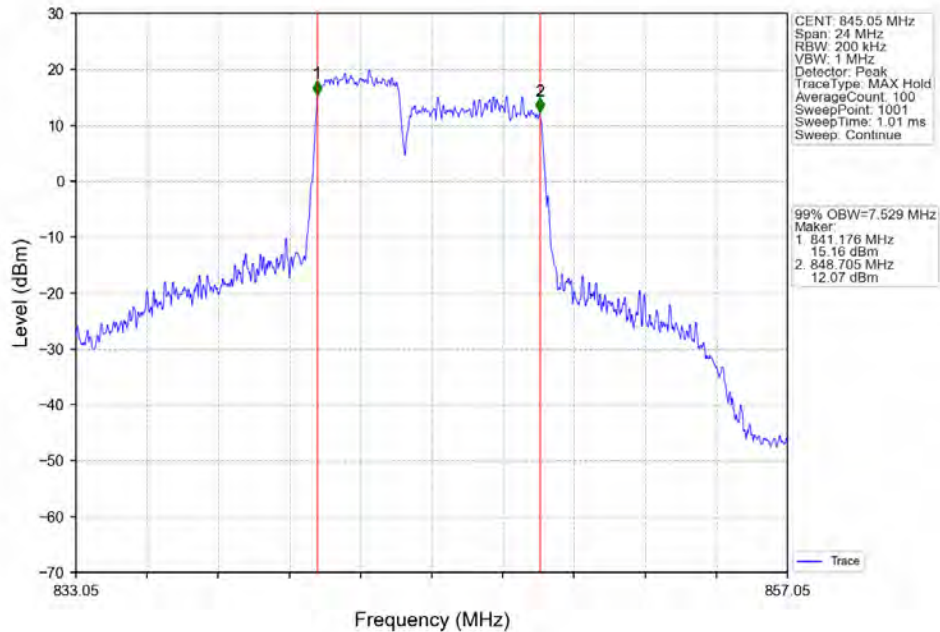
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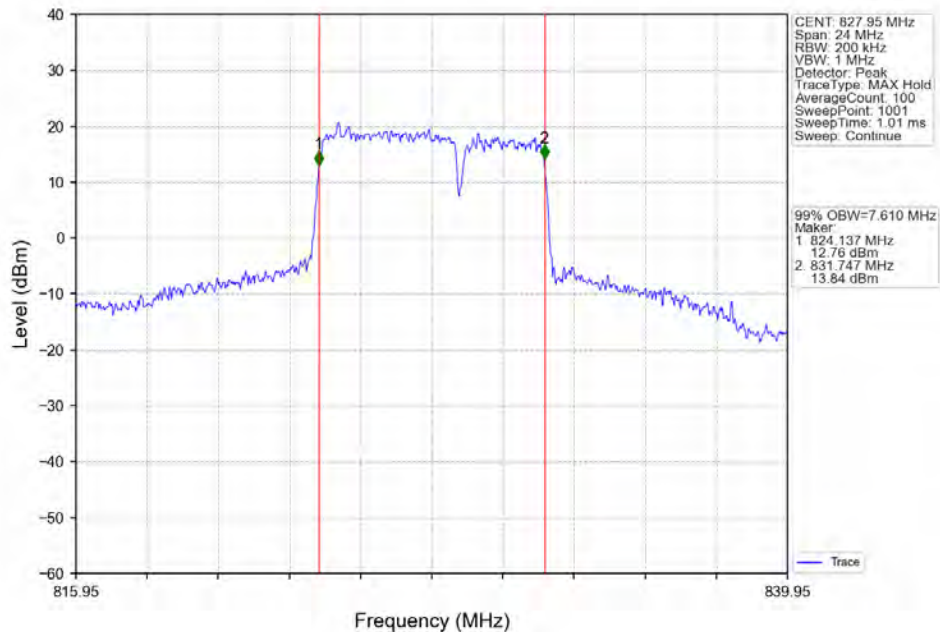
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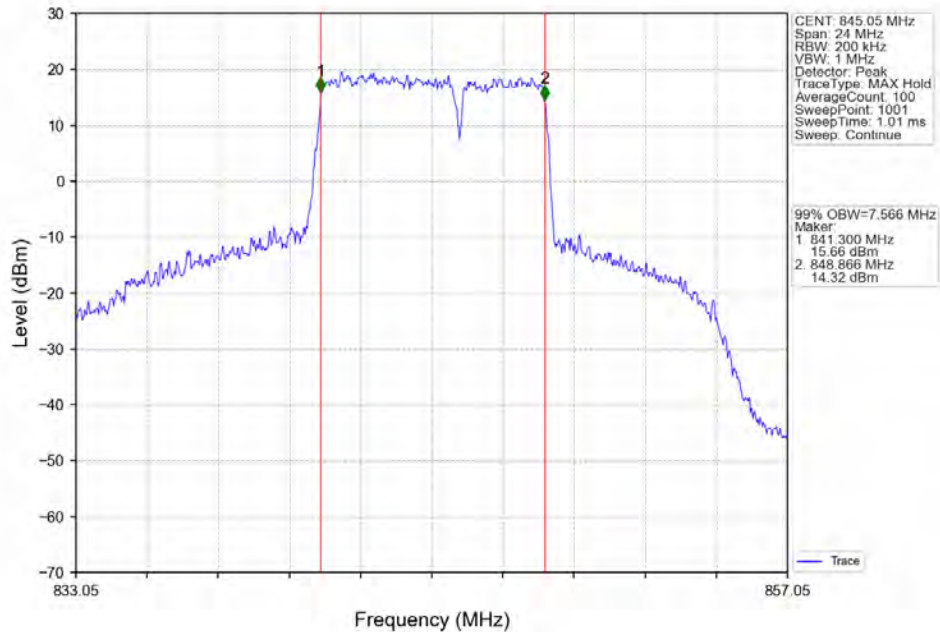
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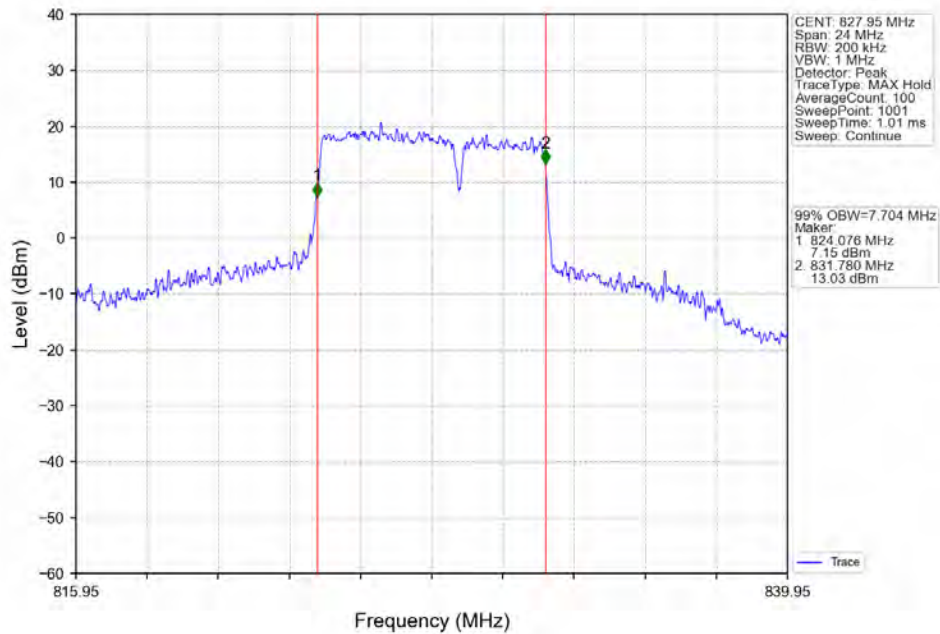
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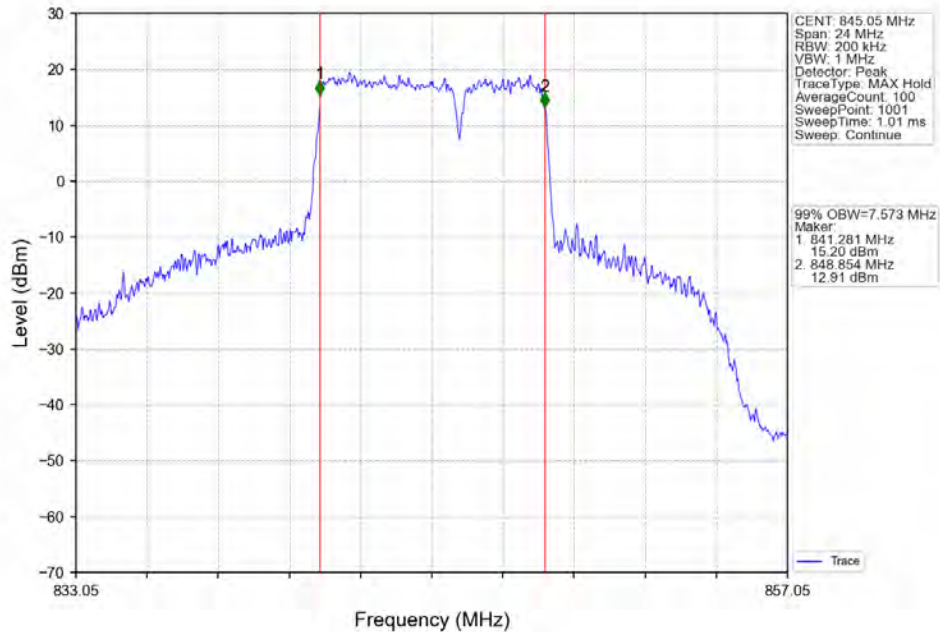
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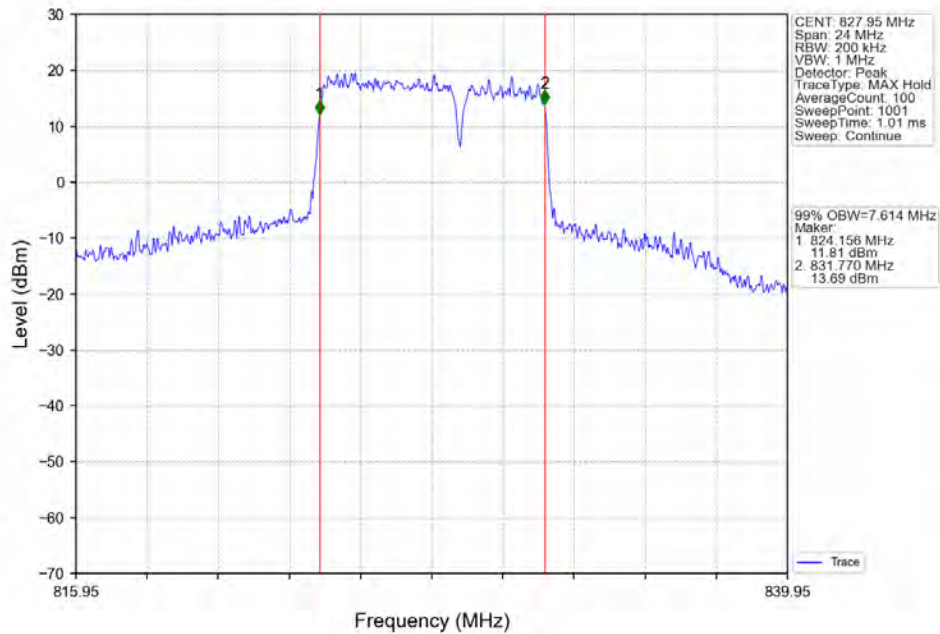
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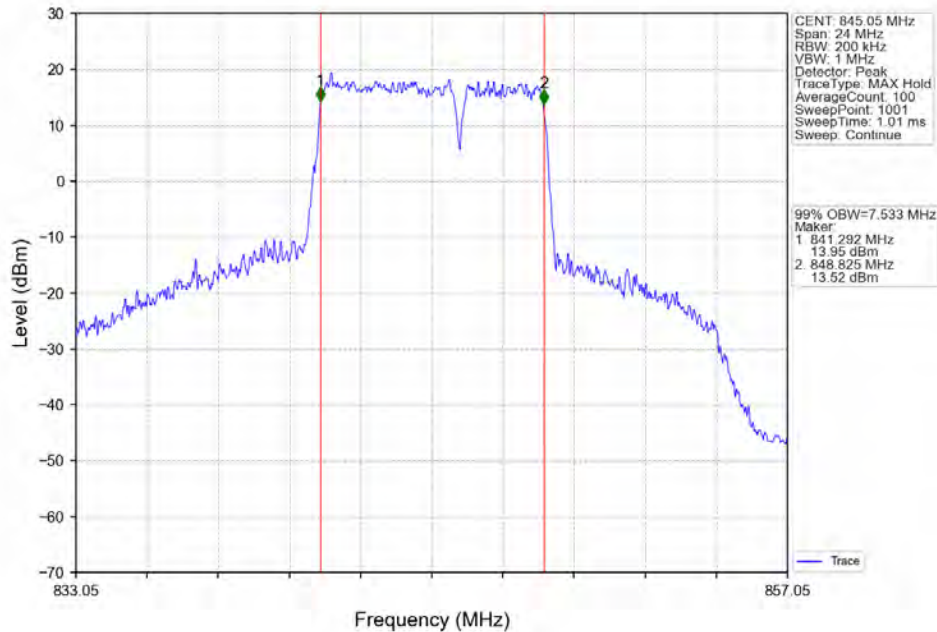
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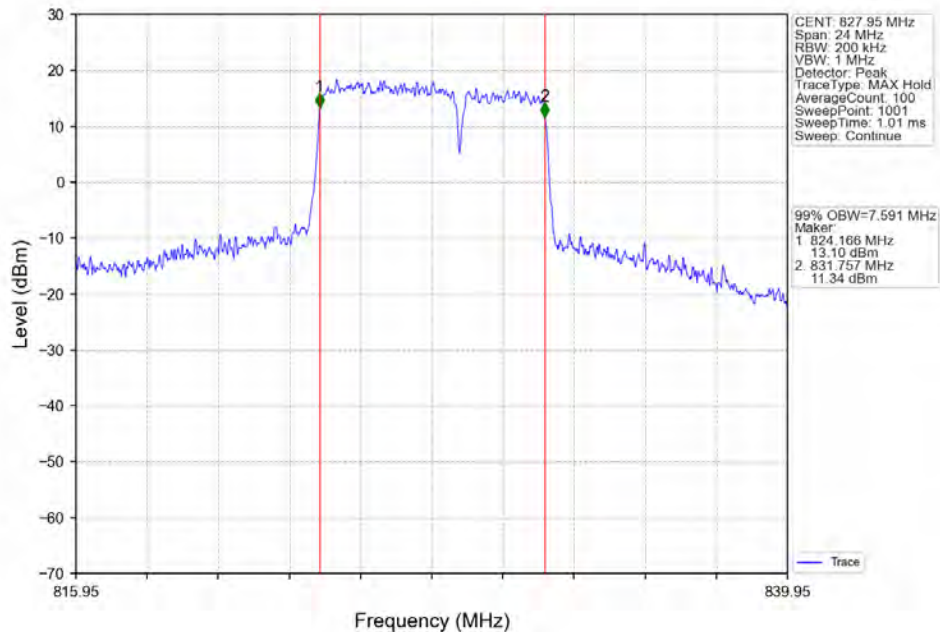
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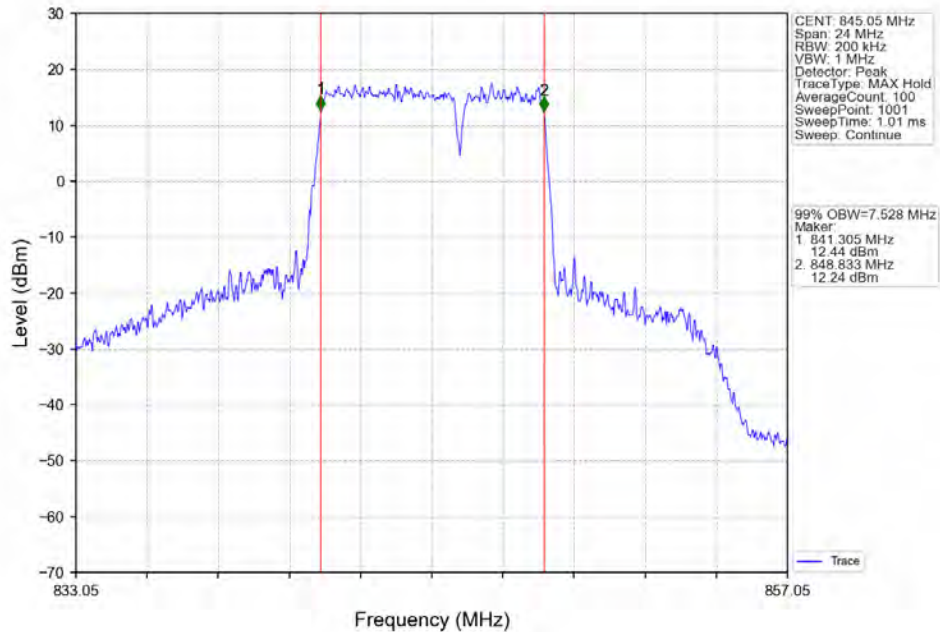
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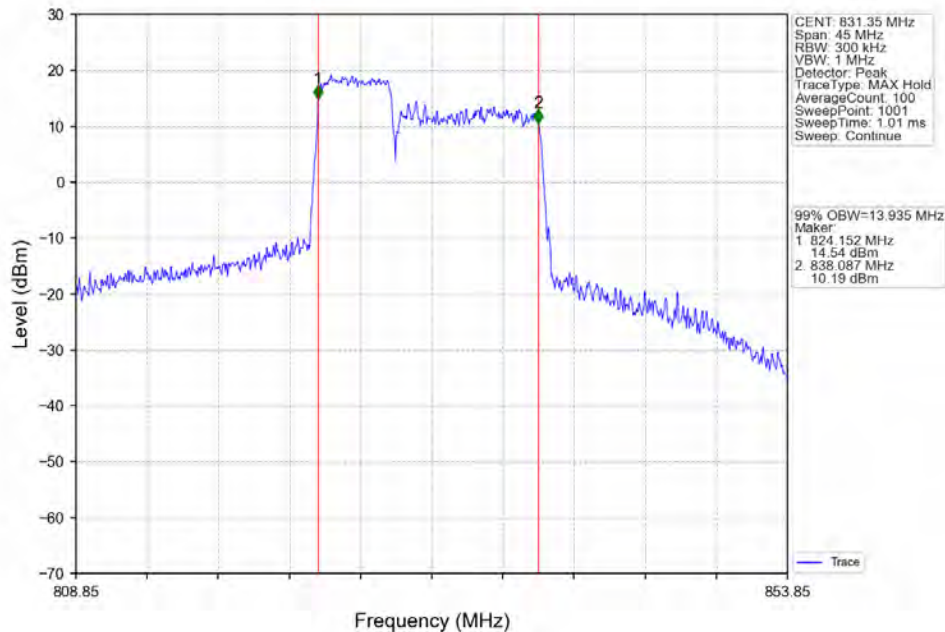
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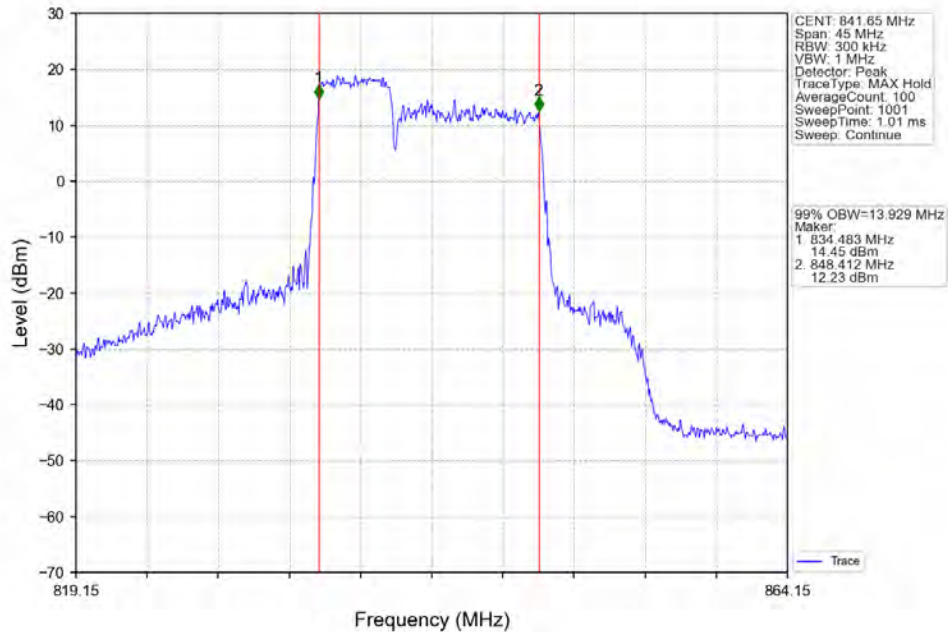
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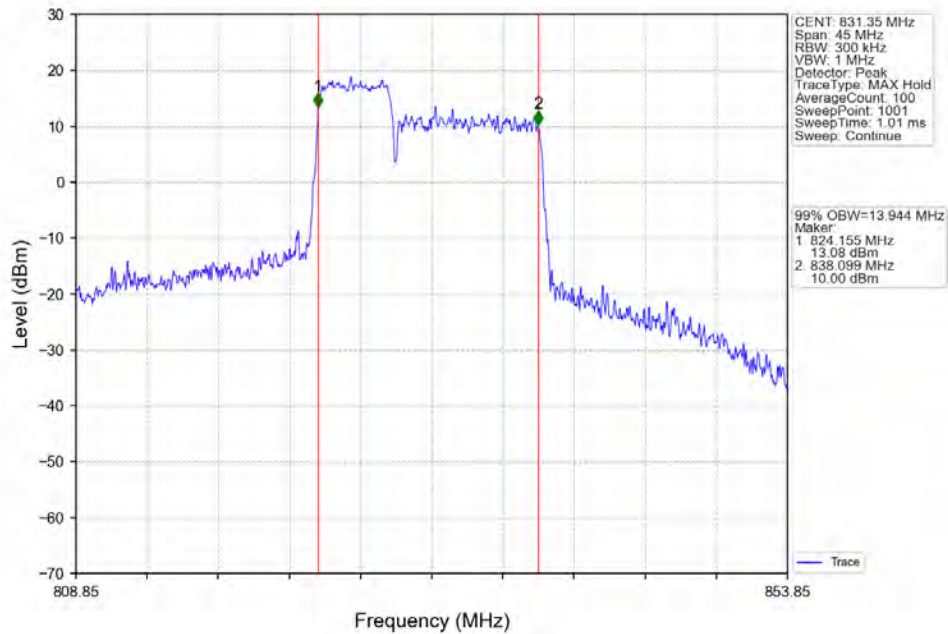
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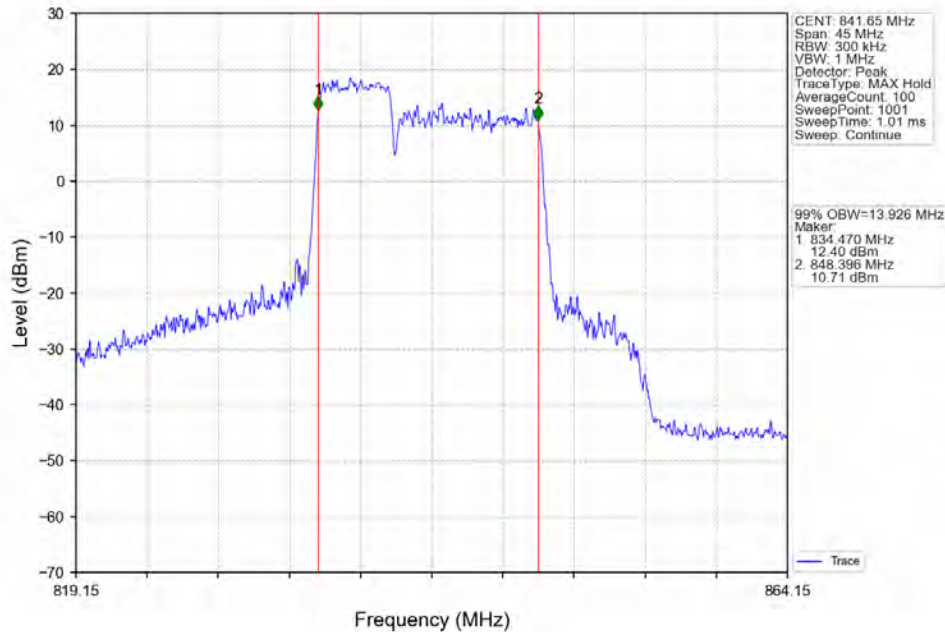
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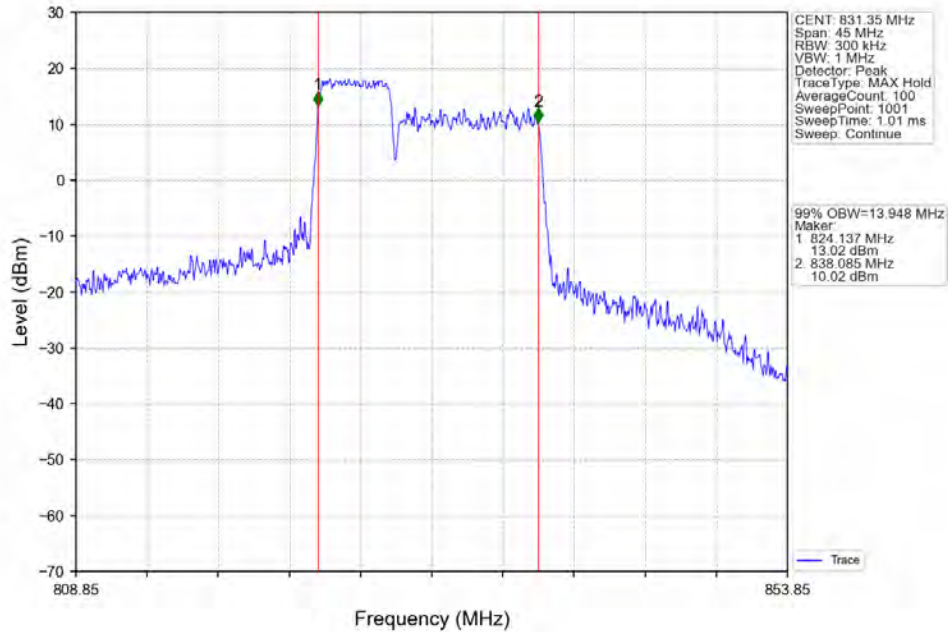
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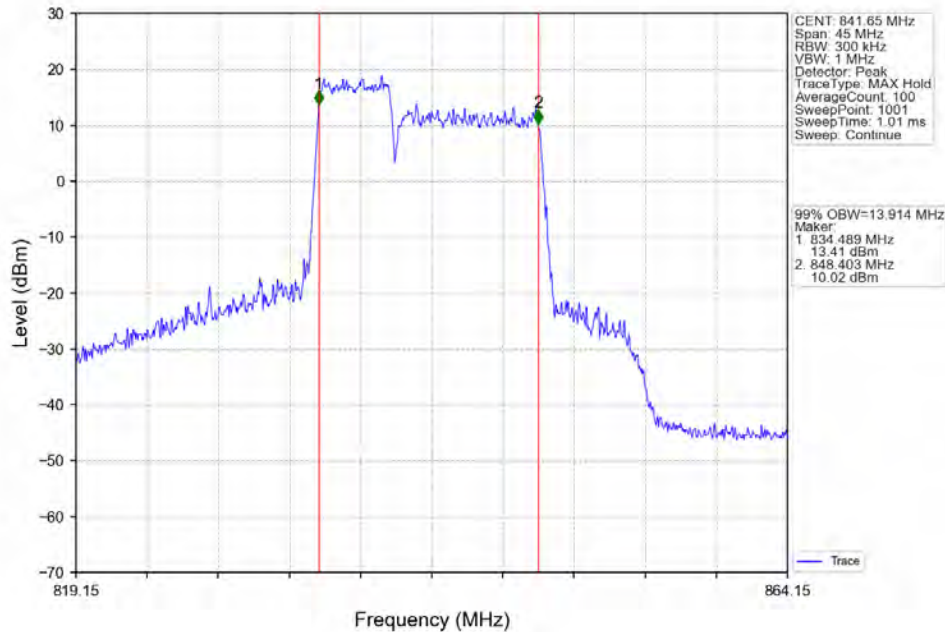
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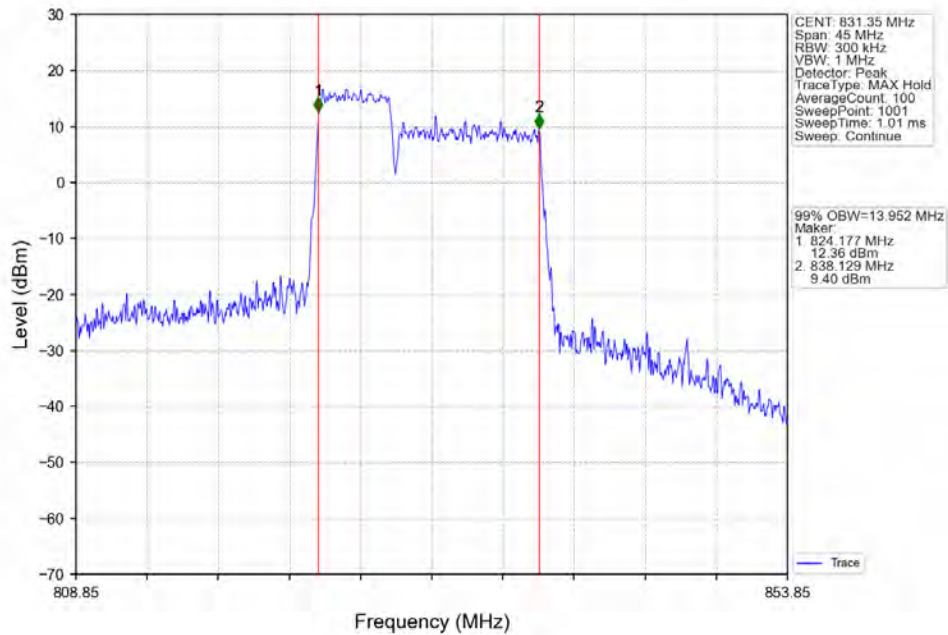
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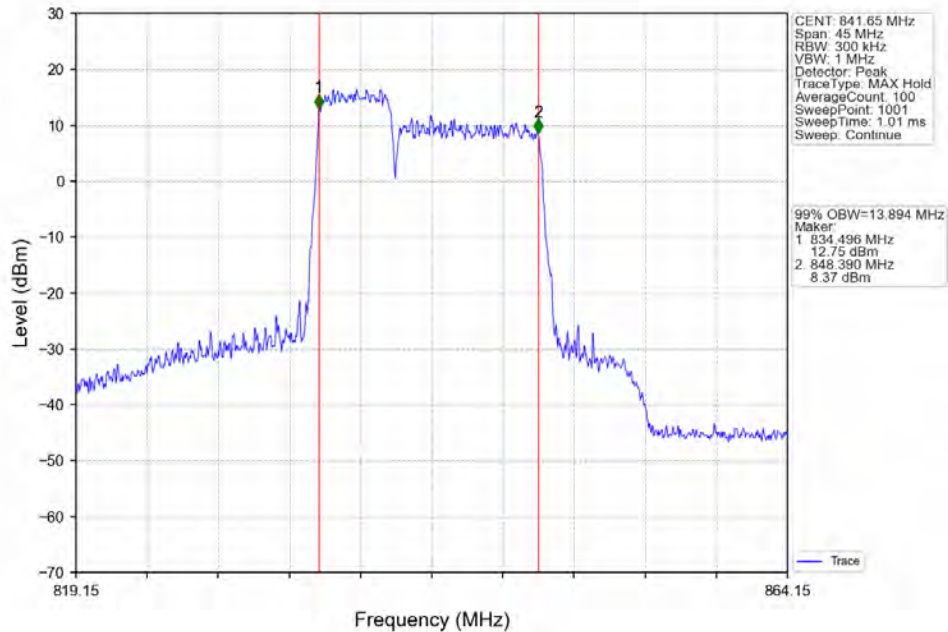
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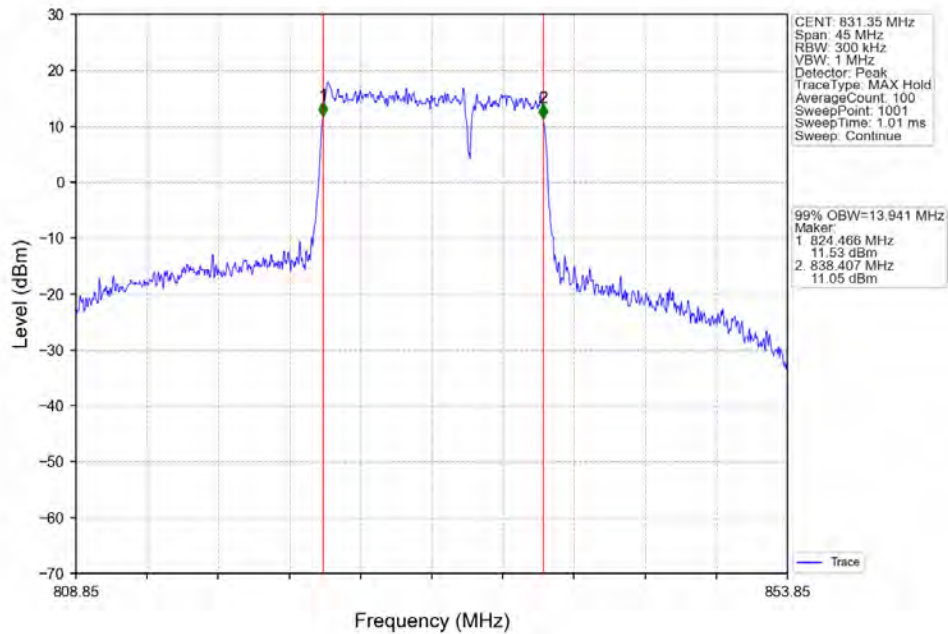
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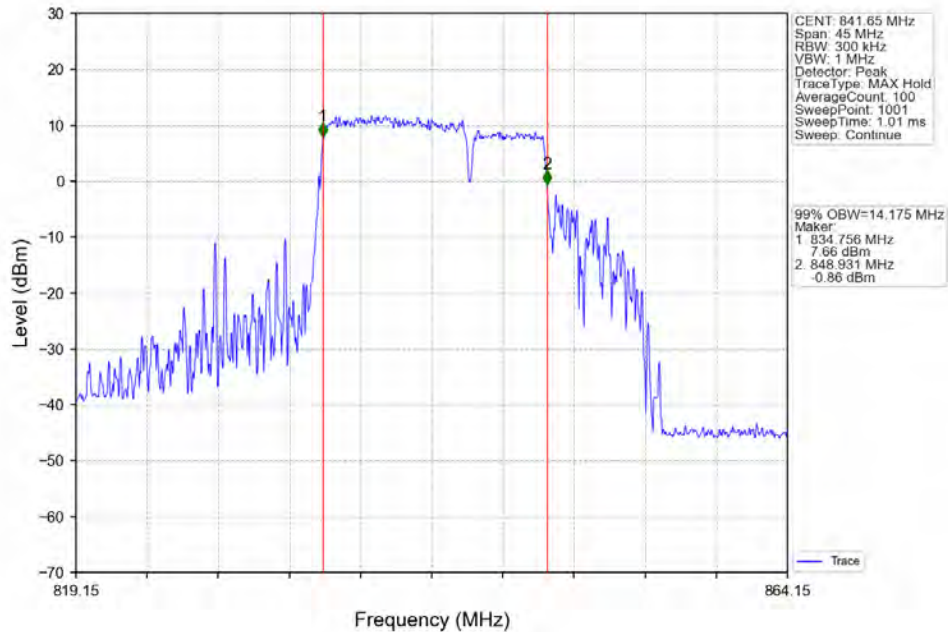
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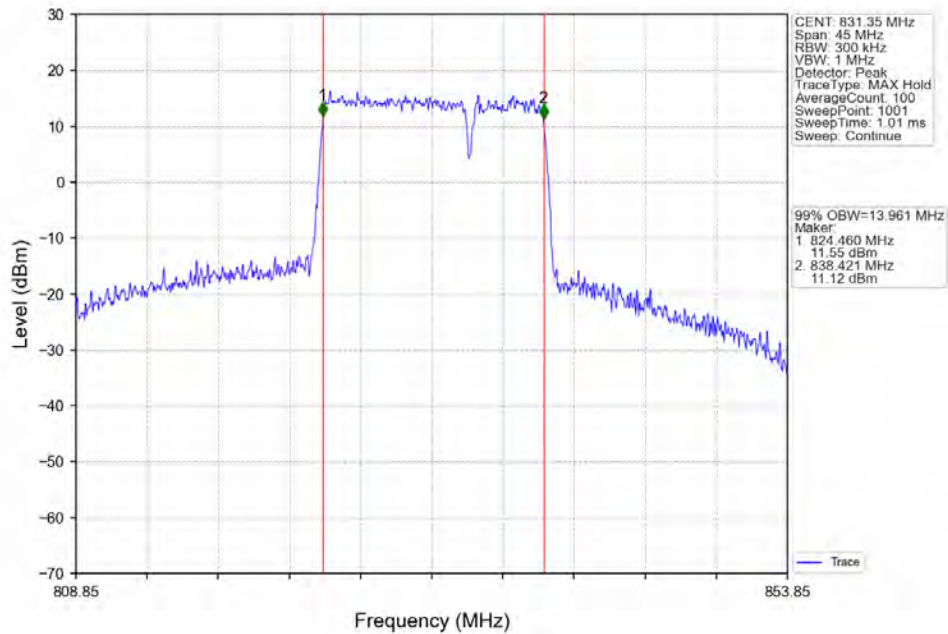
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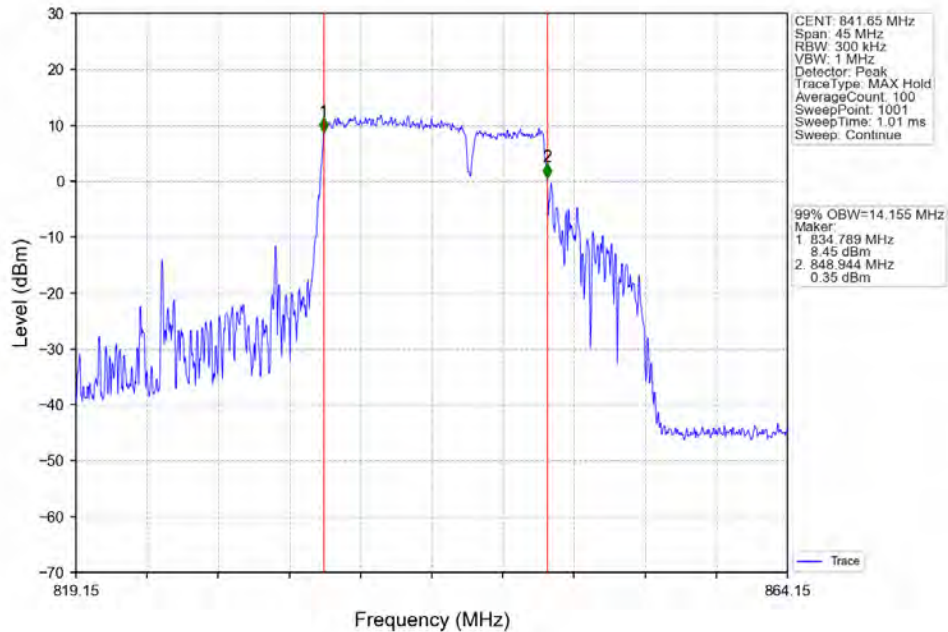
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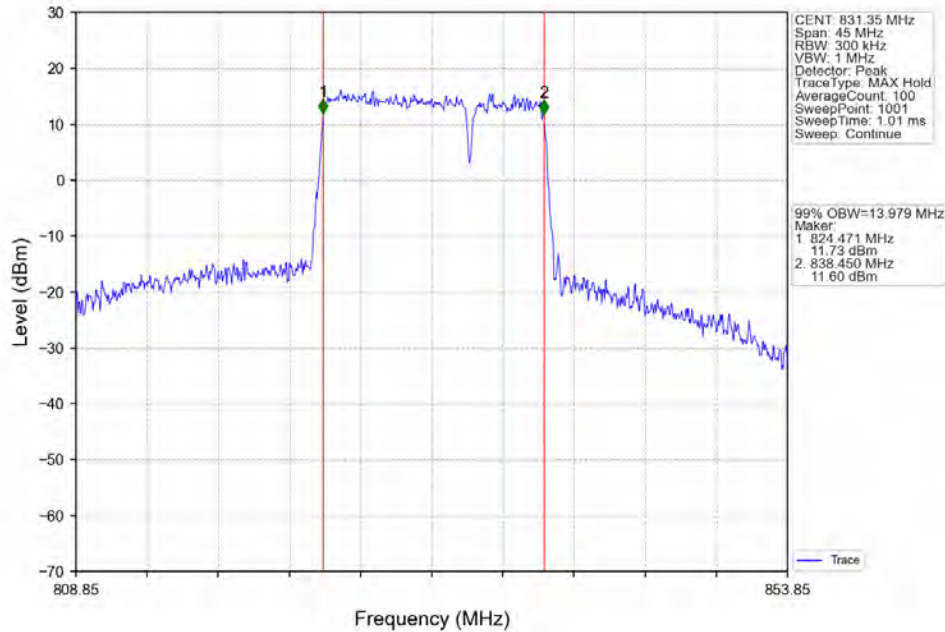
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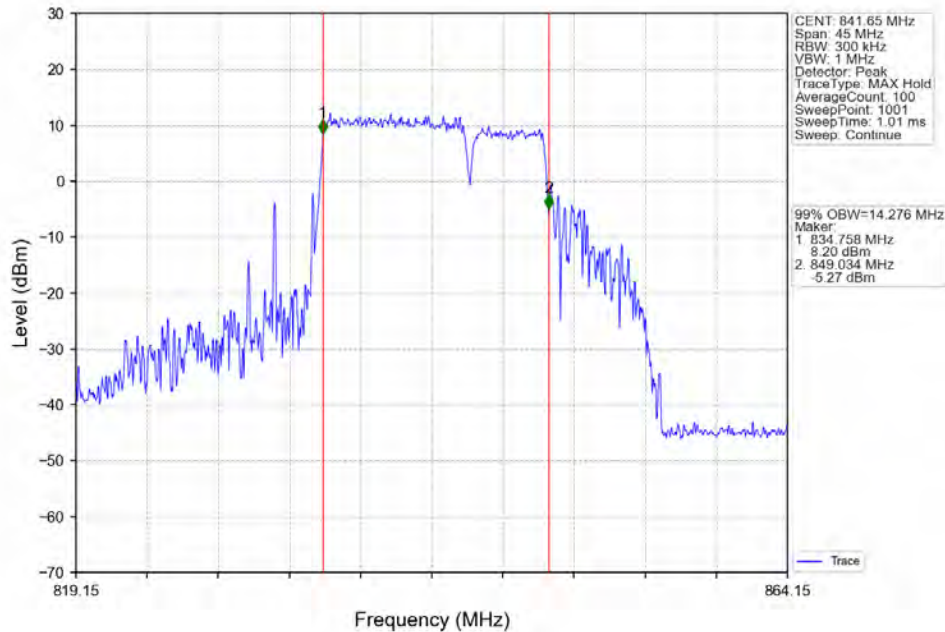
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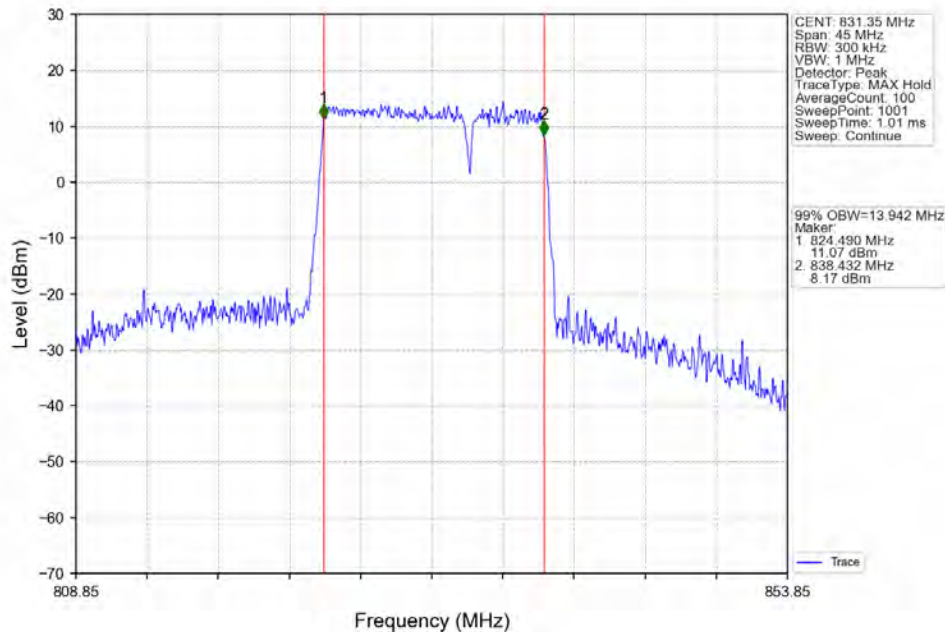
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CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:256QAM CC2:256QAM_CC1:839.3 CC2:846.5MHz_CC1: 50@0 CC2: 25@0



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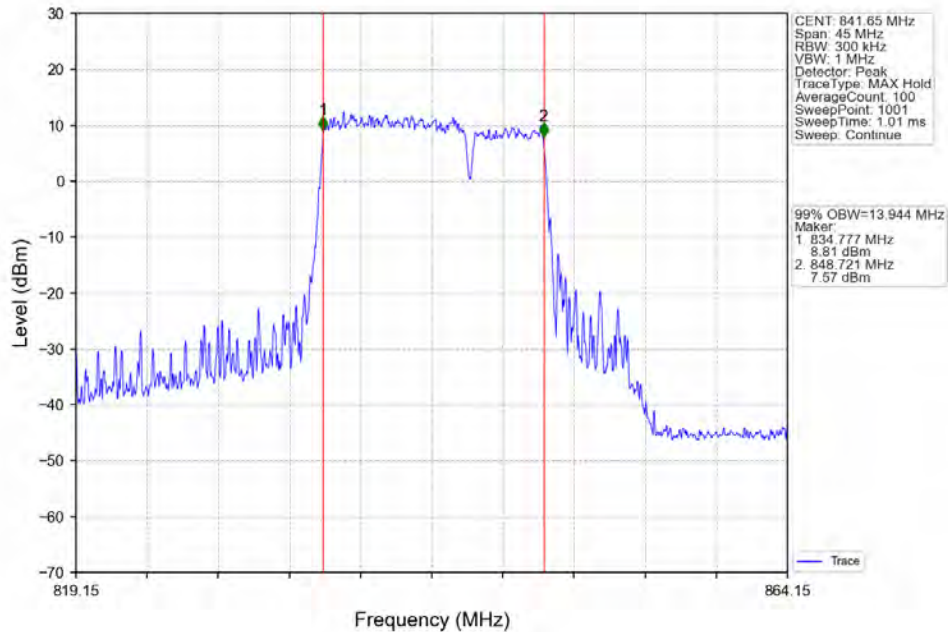
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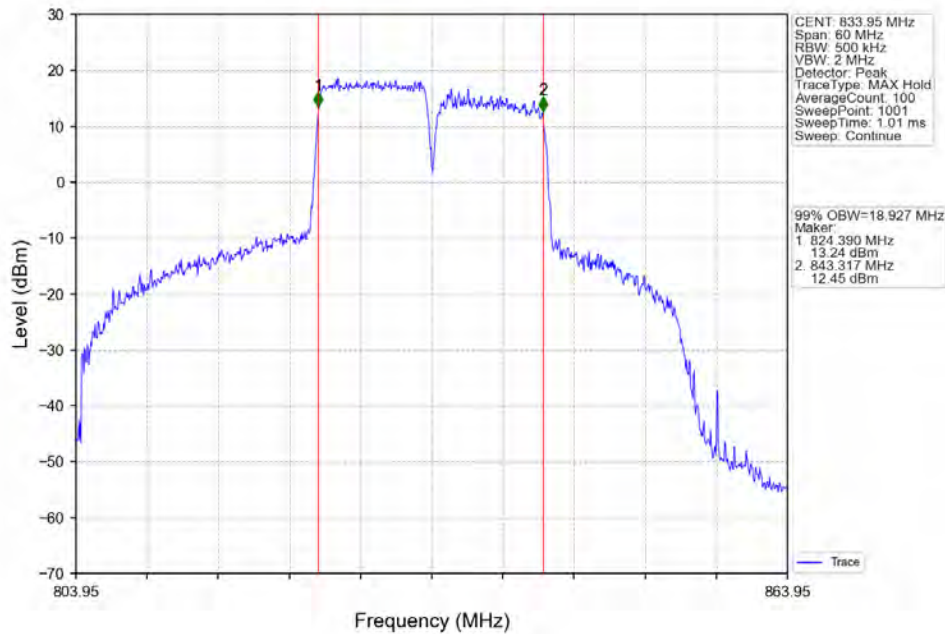
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CA_5B_SISO_NTNV_CC1:10 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:834.1 CC2:844MHz_CC1: 50@0 CC2: 50@0



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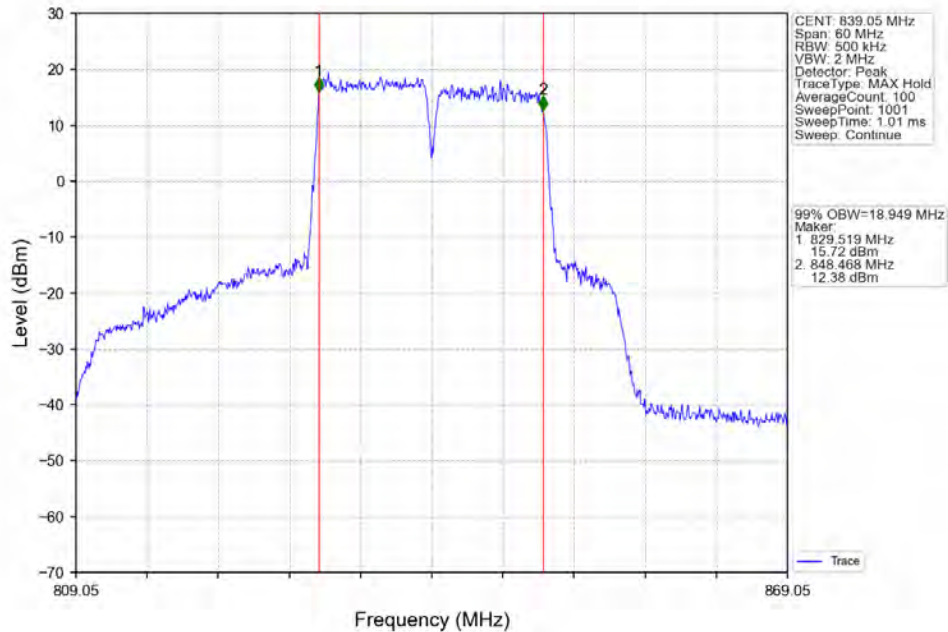
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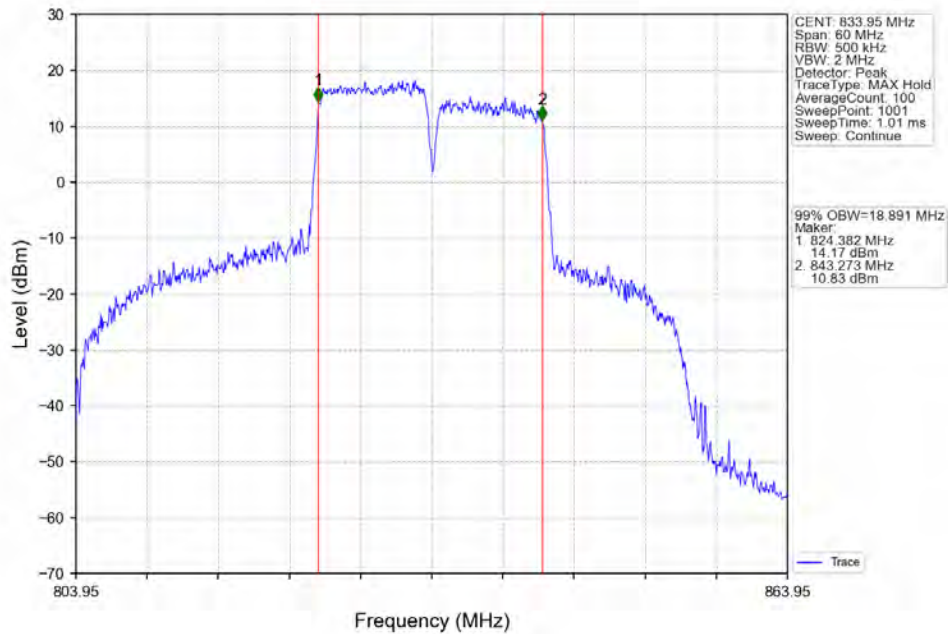
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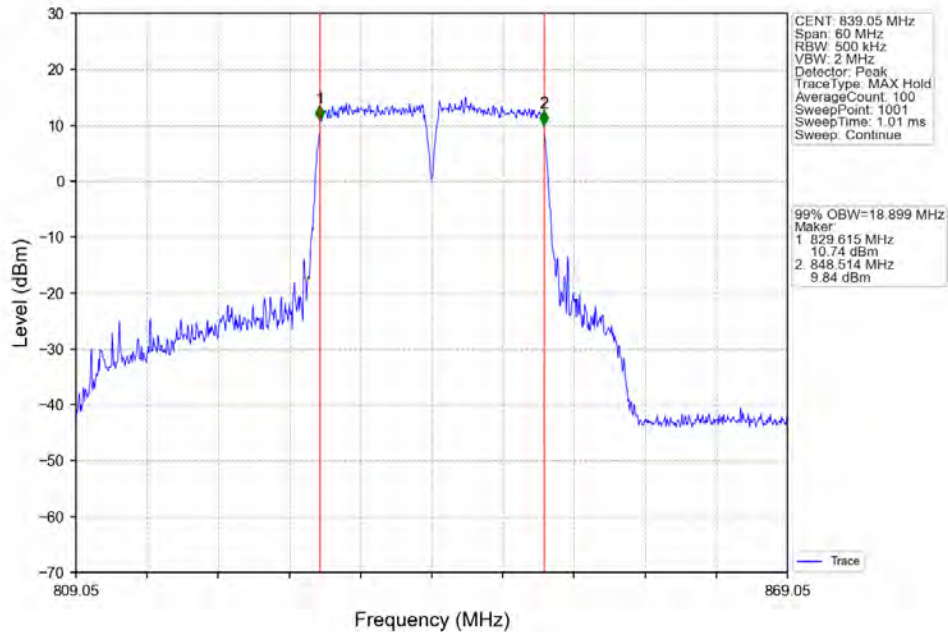
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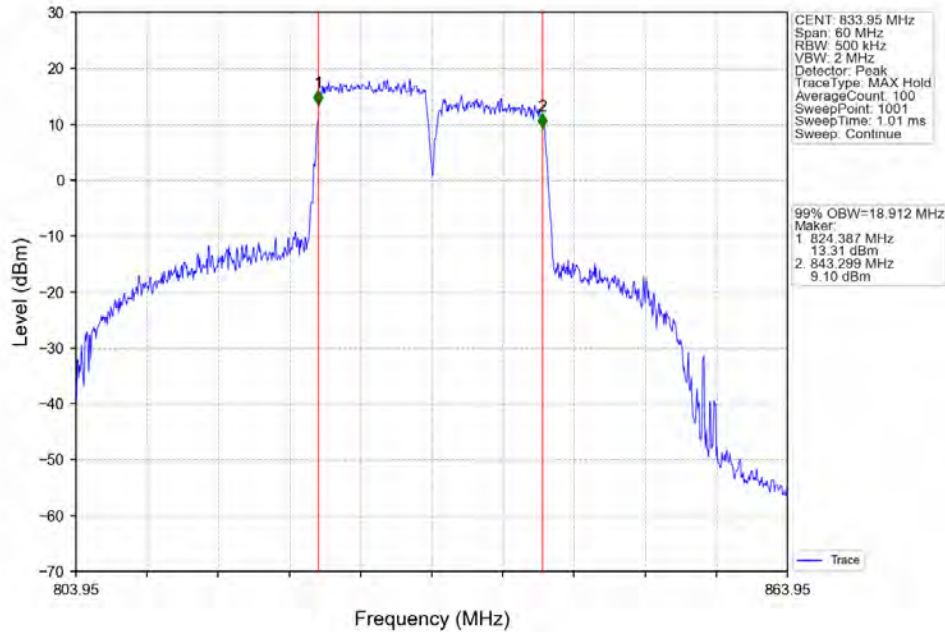
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CA_5B_SISO_NTNV_CC1:10_CC2:10MHz_CC1:64QAM_CC2:64QAM_CC1:834.1_CC2:844MHz_CC1: 50@0_CC2: 50@0



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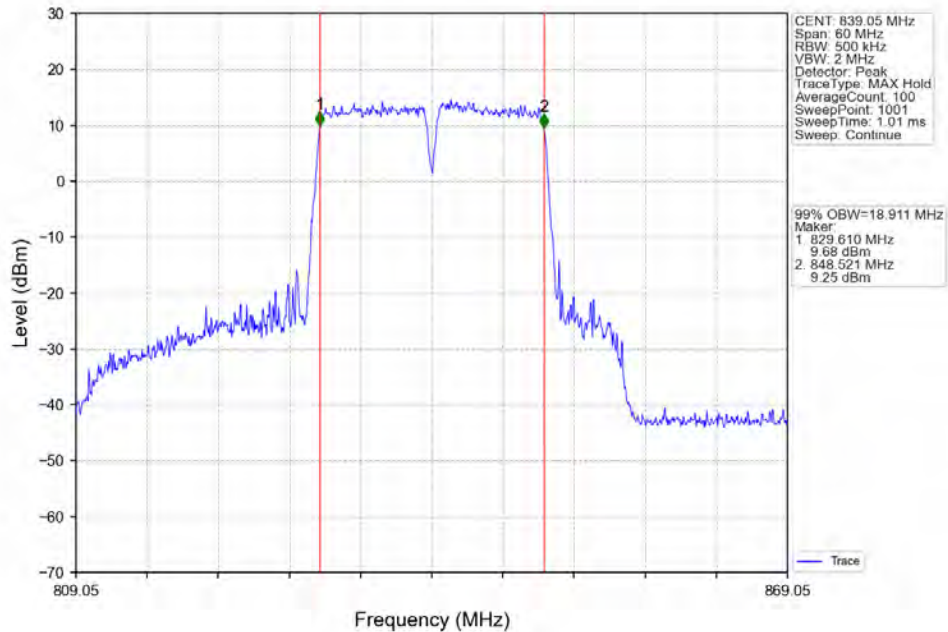
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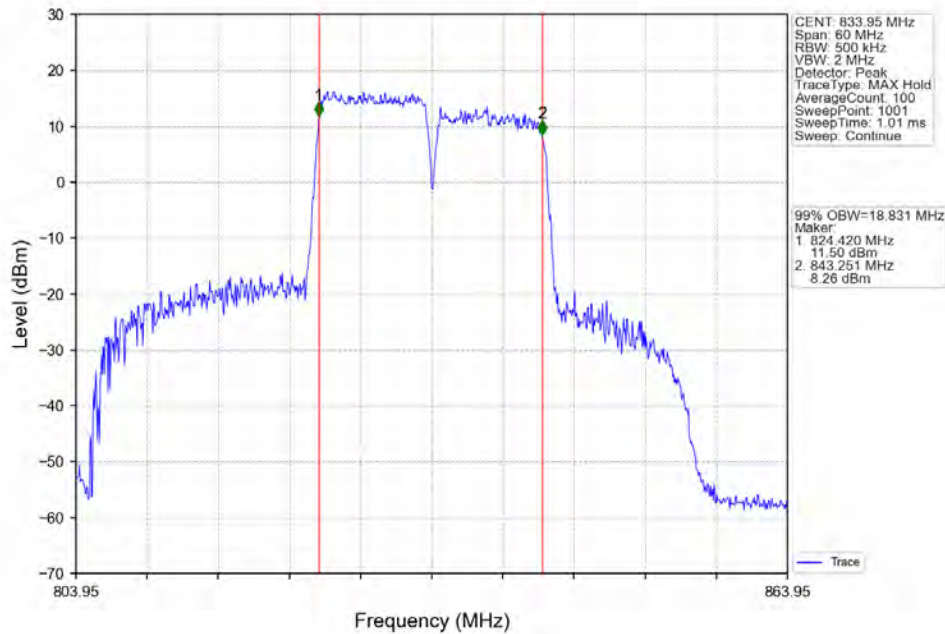
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CA_5B_SISO_NTNV_CC1:10 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:834.1 CC2:844MHz_CC1: 50@0 CC2: 50@0



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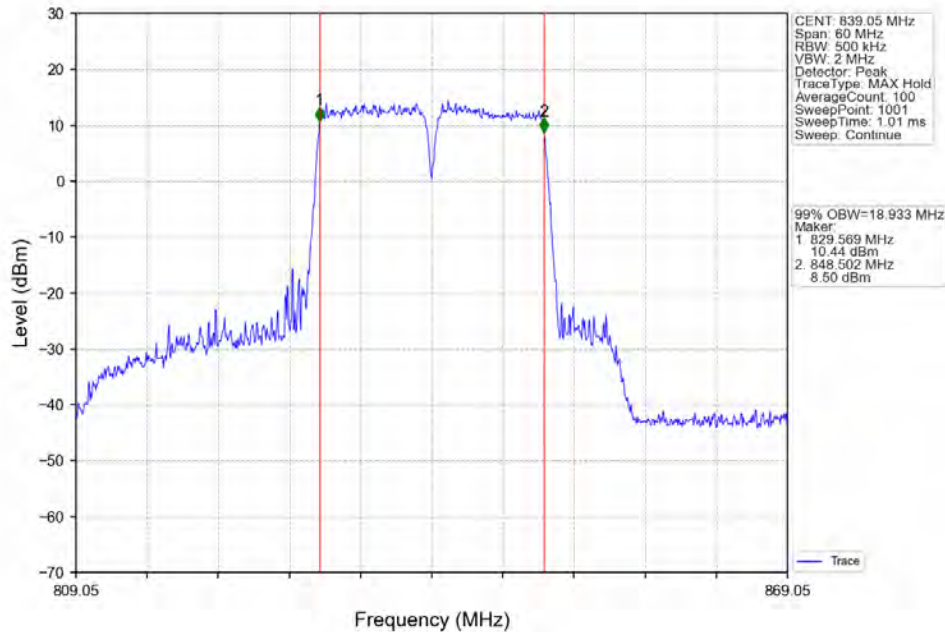
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2.2 CA_5B_NTNV_XDB

2.2.1 Test Result

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	CC1: 15@0	9.60	/	Pass
		CC2:829.4	CC2: 25@0			
	CC2: QPSK	CC1:842.6	CC1: 15@0	8.55	/	Pass
		CC2:846.5	CC2: 25@0			
	CC1: 16QAM	CC1:825.5	CC1: 15@0	13.24	/	Pass
		CC2:829.4	CC2: 25@0			
	CC2: 16QAM	CC1:842.6	CC1: 15@0	8.29	/	Pass
		CC2:846.5	CC2: 25@0			
	CC1: 64QAM	CC1:825.5	CC1: 15@0	9.42	/	Pass
		CC2:829.4	CC2: 25@0			
CC1:5 CC2:3	CC1: QPSK	CC1:826.5	CC1: 25@0	9.50	/	Pass
		CC2:830.4	CC2: 15@0			
	CC2: QPSK	CC1:843.6	CC1: 25@0	8.25	/	Pass
		CC2:847.5	CC2: 15@0			
	CC1: 16QAM	CC1:826.5	CC1: 25@0	12.27	/	Pass
		CC2:830.4	CC2: 15@0			
	CC2: 16QAM	CC1:843.6	CC1: 25@0	8.33	/	Pass
		CC2:847.5	CC2: 15@0			
	CC1: 64QAM	CC1:826.5	CC1: 25@0	10.68	/	Pass
		CC2:830.4	CC2: 15@0			
CC1:5 CC2:10	CC2: 64QAM	CC1:843.6	CC1: 25@0	8.20	/	Pass
		CC2:847.5	CC2: 15@0			
	CC1: 256QAM	CC1:826.5	CC1: 25@0	8.70	/	Pass
		CC2:830.4	CC2: 15@0			
	CC2: 256QAM	CC1:843.6	CC1: 25@0	8.22	/	Pass
		CC2:847.5	CC2: 15@0			
	CC1: QPSK	CC1:826.5	CC1: 25@0	14.89	/	Pass
		CC2:833.7	CC2: 50@0			
CC1:5 CC2:10	CC2: QPSK	CC1:836.8	CC1: 25@0	14.94	/	Pass
		CC2:844	CC2: 50@0			
	CC1: 16QAM	CC1:826.5	CC1: 25@0	14.87	/	Pass
		CC2:833.7	CC2: 50@0			
CC1:5 CC2:10	CC2: 16QAM	CC1:836.8	CC1: 25@0	14.85	/	Pass
		CC2:844	CC2: 50@0			



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	CC1: 64QAM	CC1:826.5 CC2:833.7	CC1: 25@0 CC2: 50@0	15.59	/	Pass
	CC2: 64QAM	CC1:836.8 CC2:844	CC1: 25@0 CC2: 50@0	14.90	/	Pass
	CC1: 256QAM	CC1:826.5 CC2:833.7	CC1: 25@0 CC2: 50@0	14.88	/	Pass
	CC2: 256QAM	CC1:836.8 CC2:844	CC1: 25@0 CC2: 50@0	14.79	/	Pass
CC1:10 CC2:5	CC1: QPSK	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	14.97	/	Pass
	CC2: QPSK	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	25.90	/	Pass
	CC1: 16QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	14.94	/	Pass
	CC2: 16QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	21.59	/	Pass
	CC1: 64QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	15.13	/	Pass
	CC2: 64QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	22.49	/	Pass
	CC1: 256QAM	CC1:829 CC2:836.2	CC1: 50@0 CC2: 25@0	15.01	/	Pass
	CC2: 256QAM	CC1:839.3 CC2:846.5	CC1: 50@0 CC2: 25@0	15.44	/	Pass
CC1:10 CC2:10	CC1: QPSK	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	20.29	/	Pass
	CC2: QPSK	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	20.35	/	Pass
	CC1: 16QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	20.40	/	Pass
	CC2: 16QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	20.33	/	Pass
	CC1: 64QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	20.38	/	Pass
	CC2: 64QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	20.45	/	Pass
	CC1: 256QAM	CC1:829 CC2:838.9	CC1: 50@0 CC2: 50@0	20.30	/	Pass
	CC2: 256QAM	CC1:834.1 CC2:844	CC1: 50@0 CC2: 50@0	20.42	/	Pass



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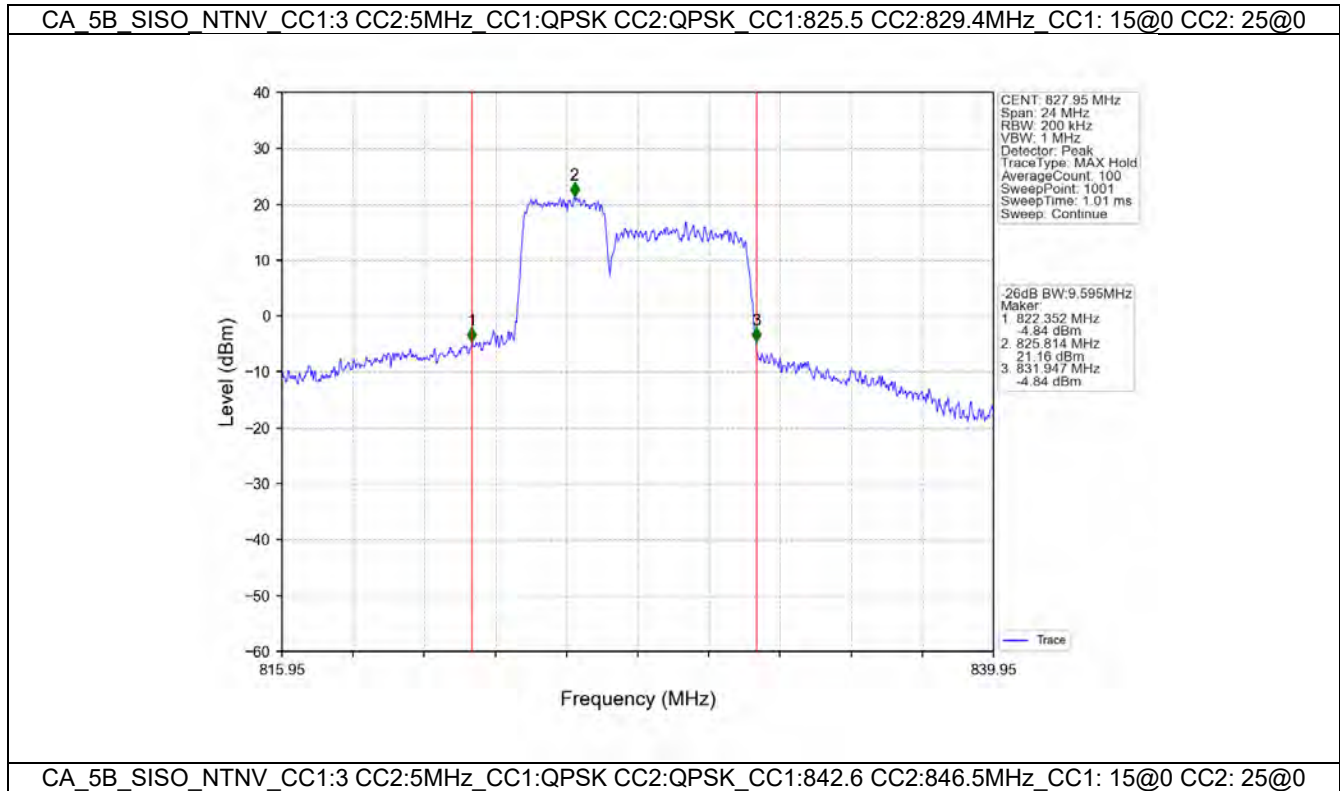
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2.2.2 Test Graph



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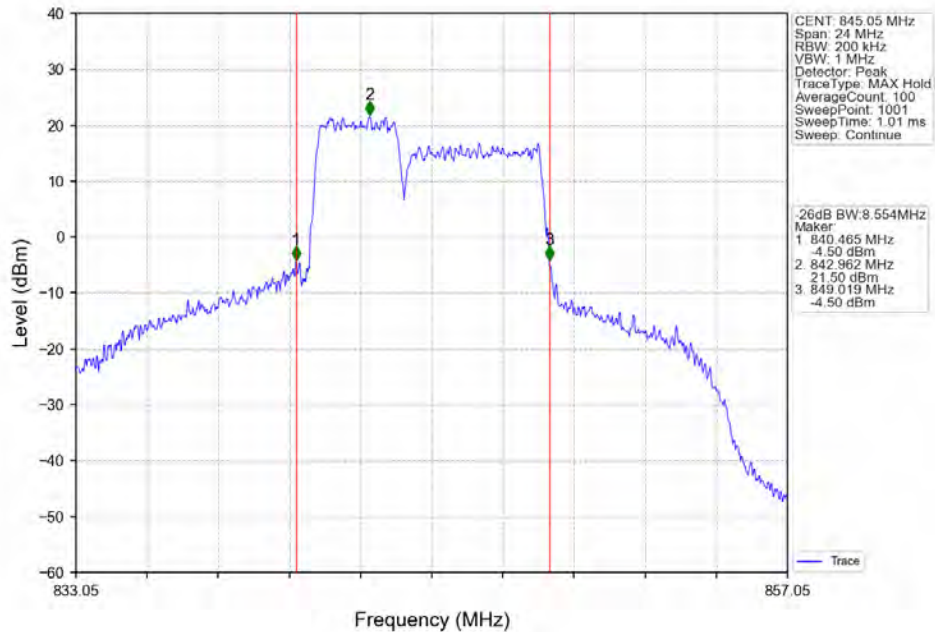
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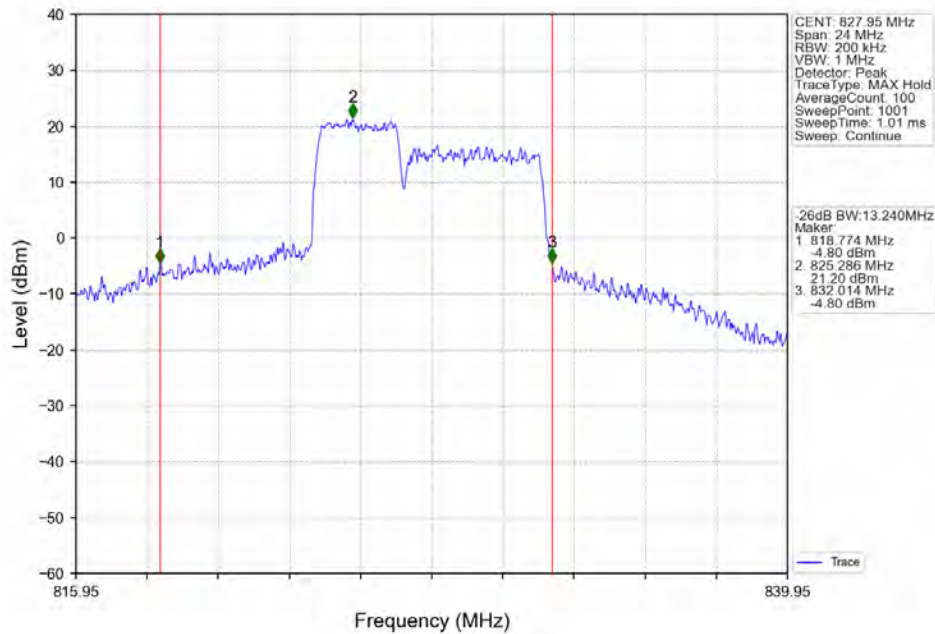
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CA_5B_SISO_NTNV_CC1:3_CC2:5MHz_CC1:16QAM_CC2:16QAM_CC1:842.6_CC2:846.5MHz_CC1: 15@0_CC2: 25@0



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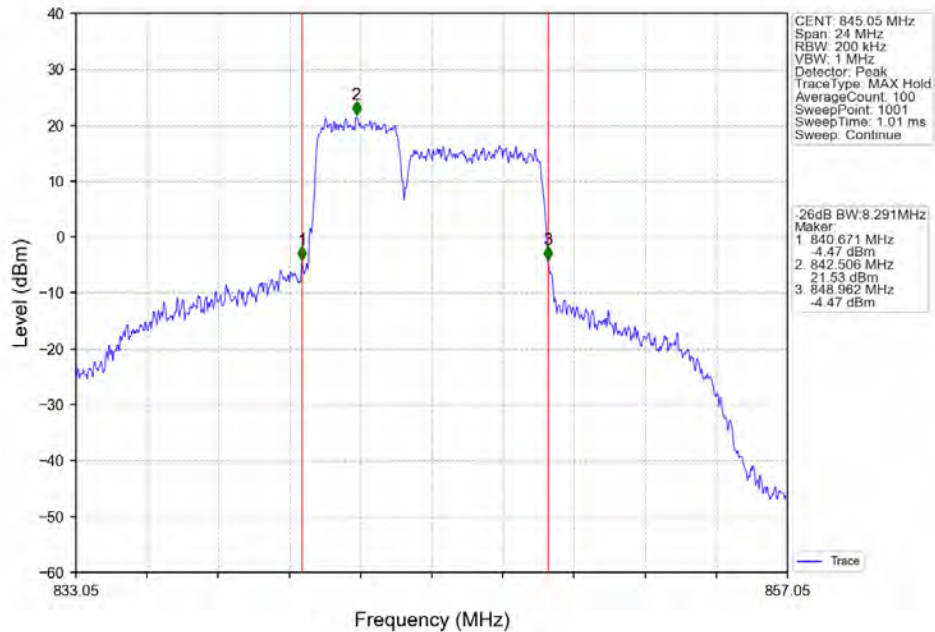
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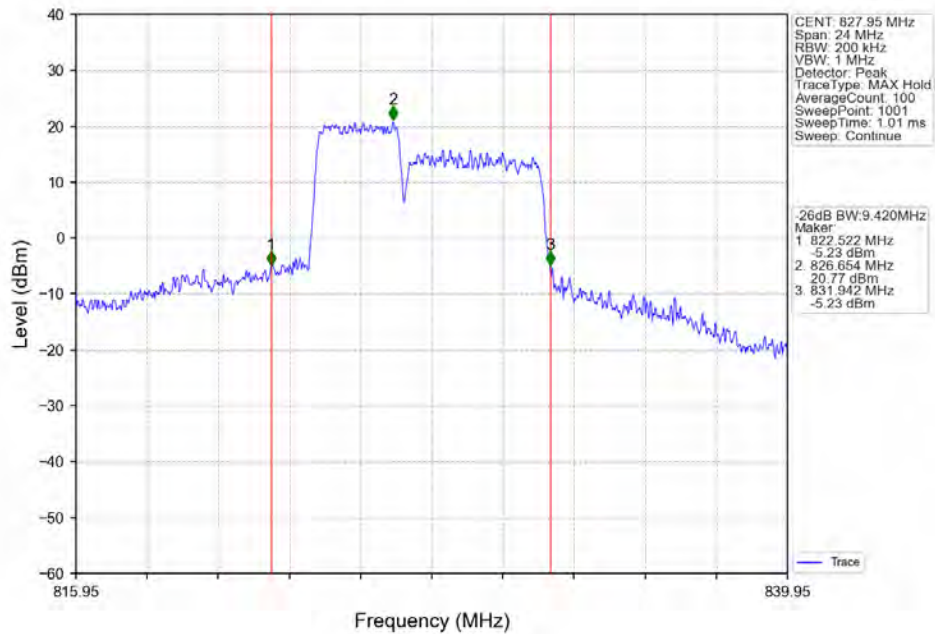
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:64QAM CC2:64QAM_CC1:842.6 CC2:846.5MHz_CC1: 15@0 CC2: 25@0



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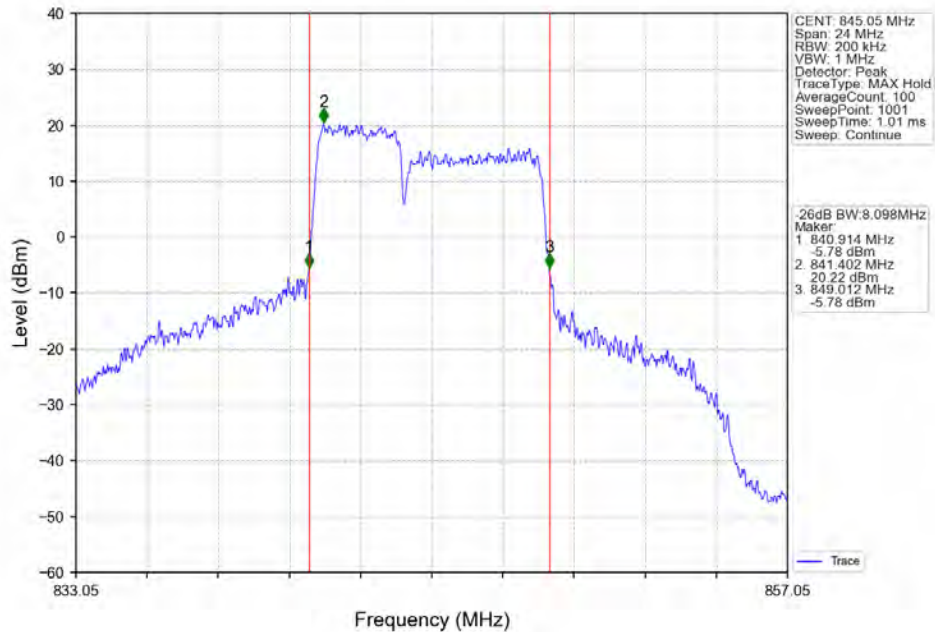
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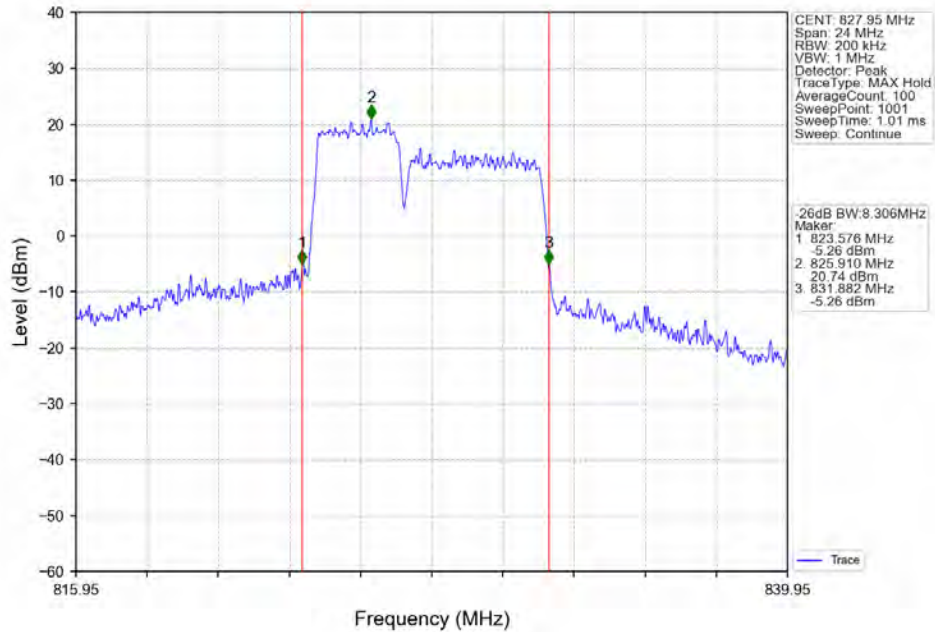
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:256QAM CC2:256QAM_CC1:842.6 CC2:846.5MHz_CC1: 15@0 CC2: 25@0



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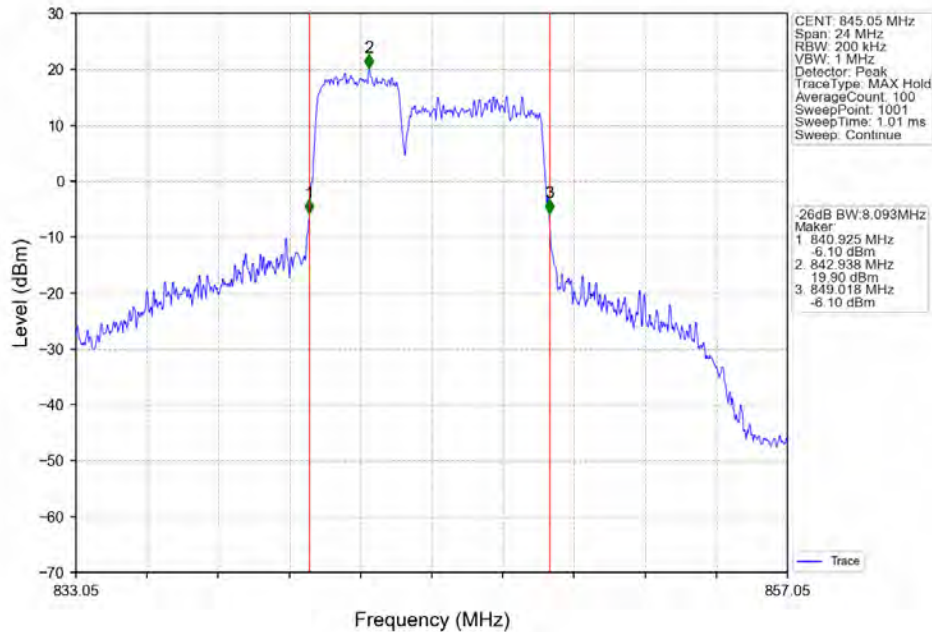
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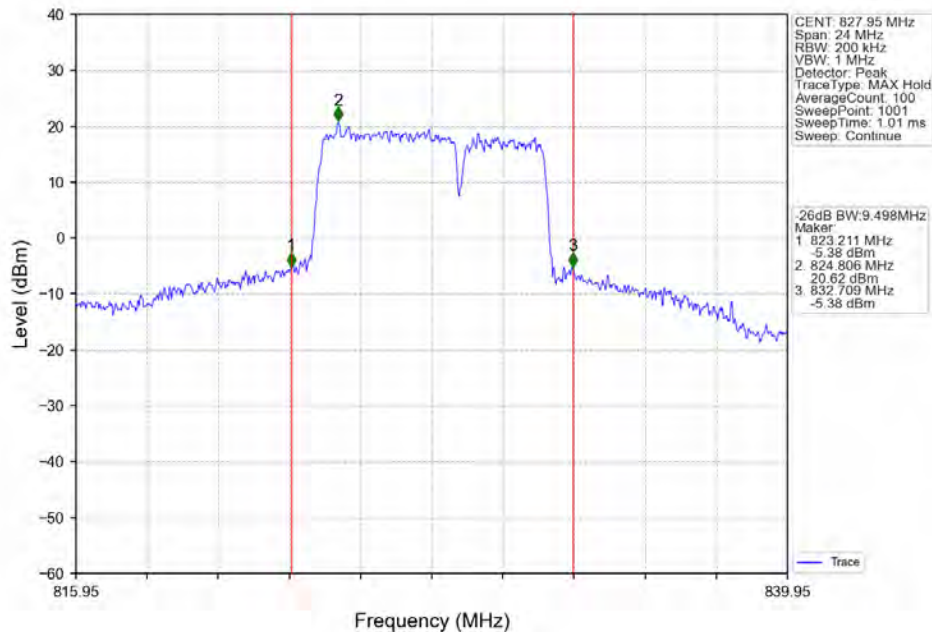
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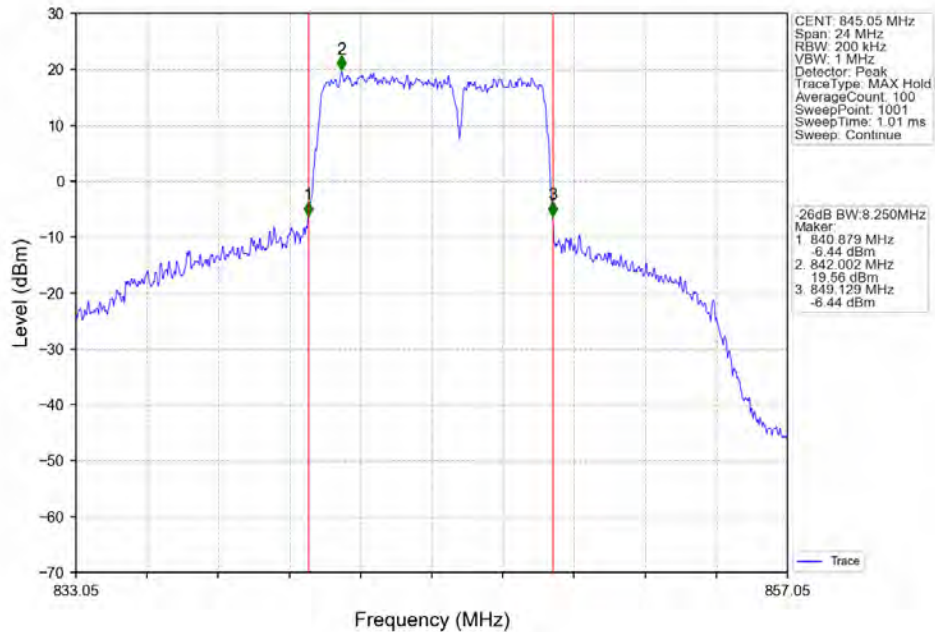
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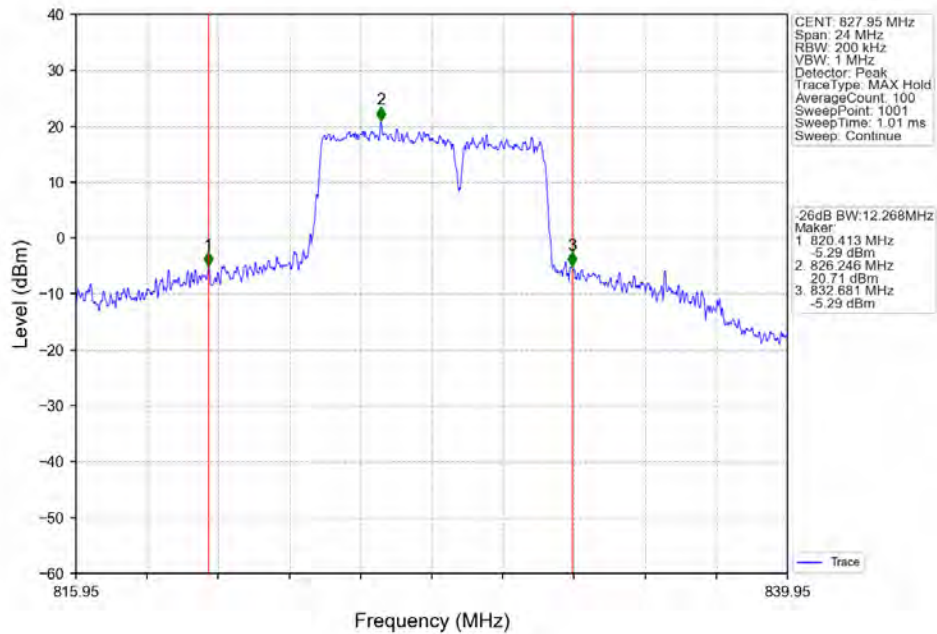
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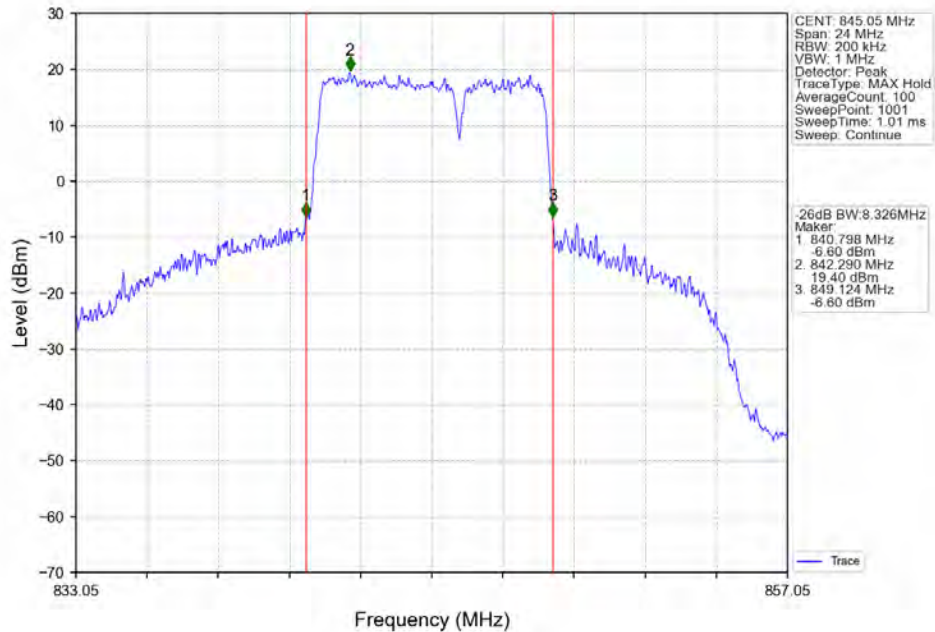
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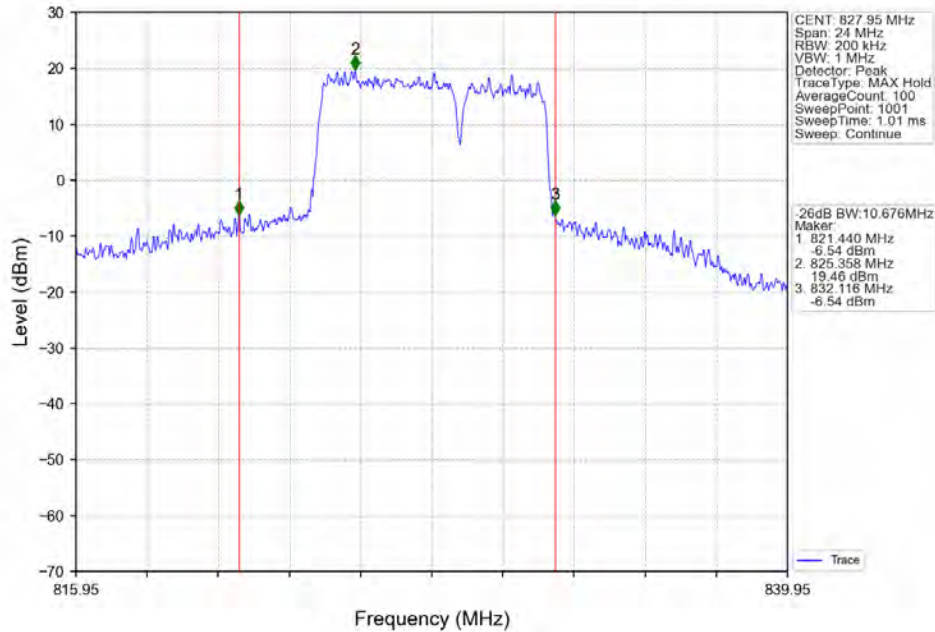
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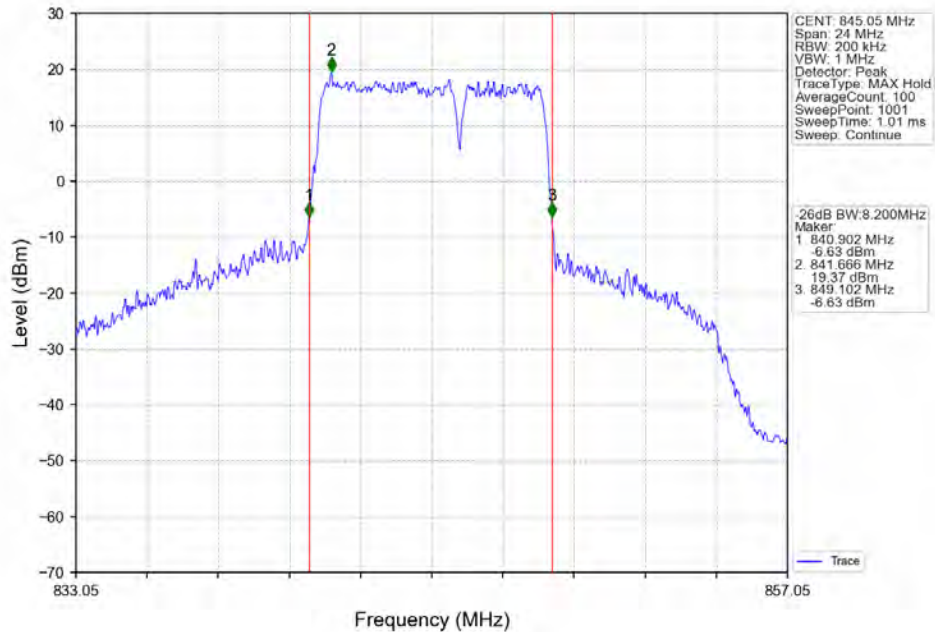
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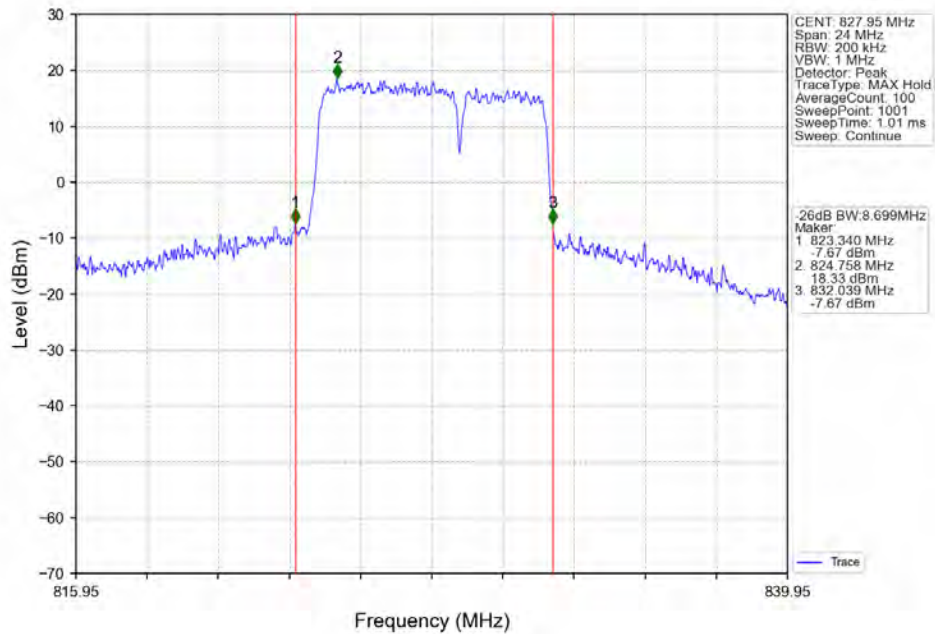
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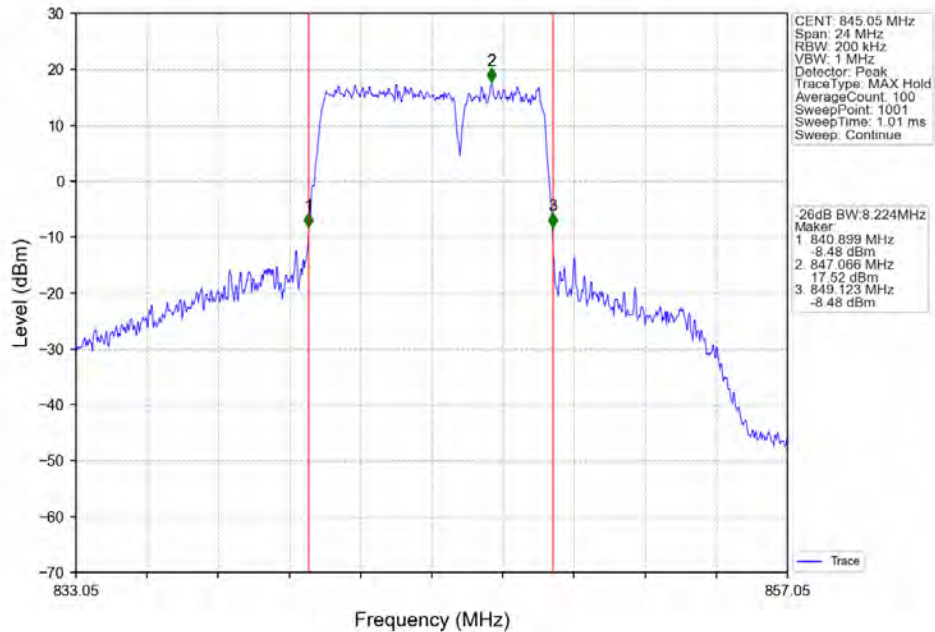
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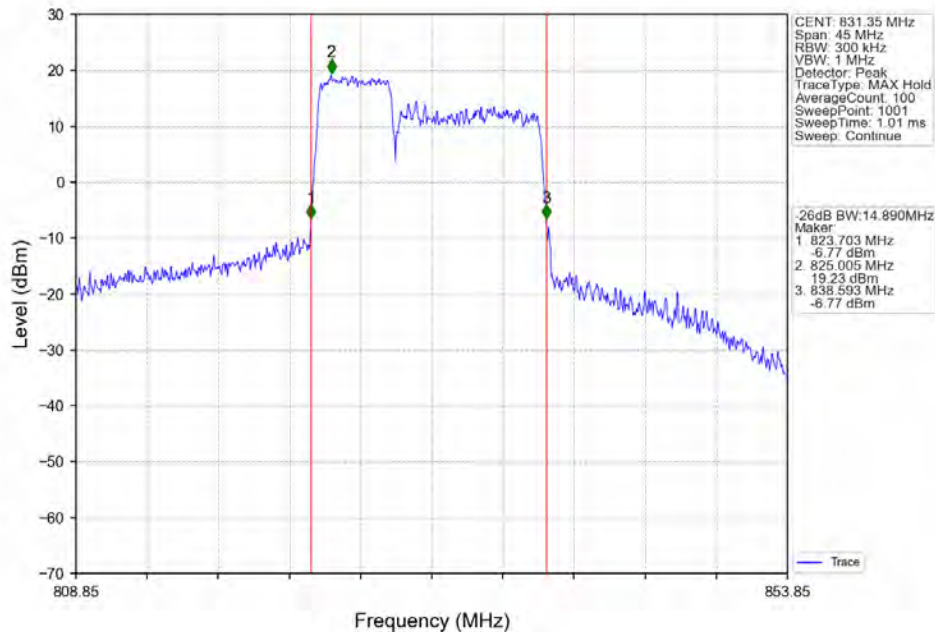
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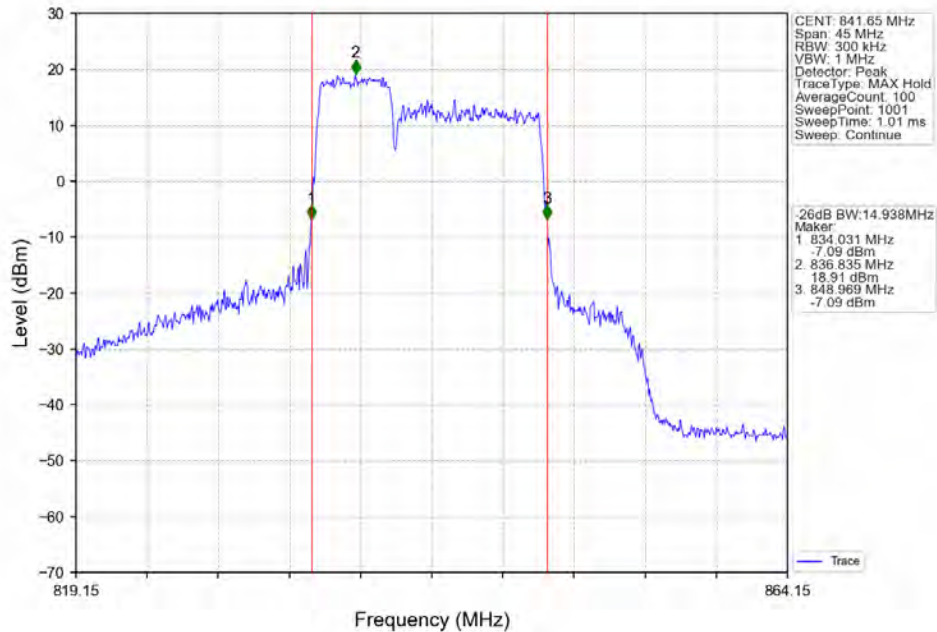
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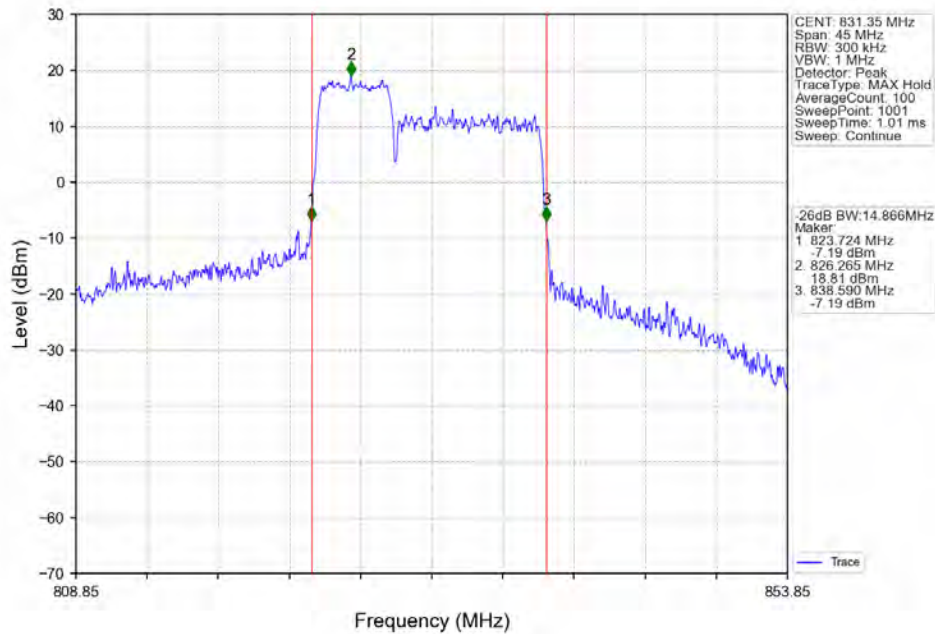
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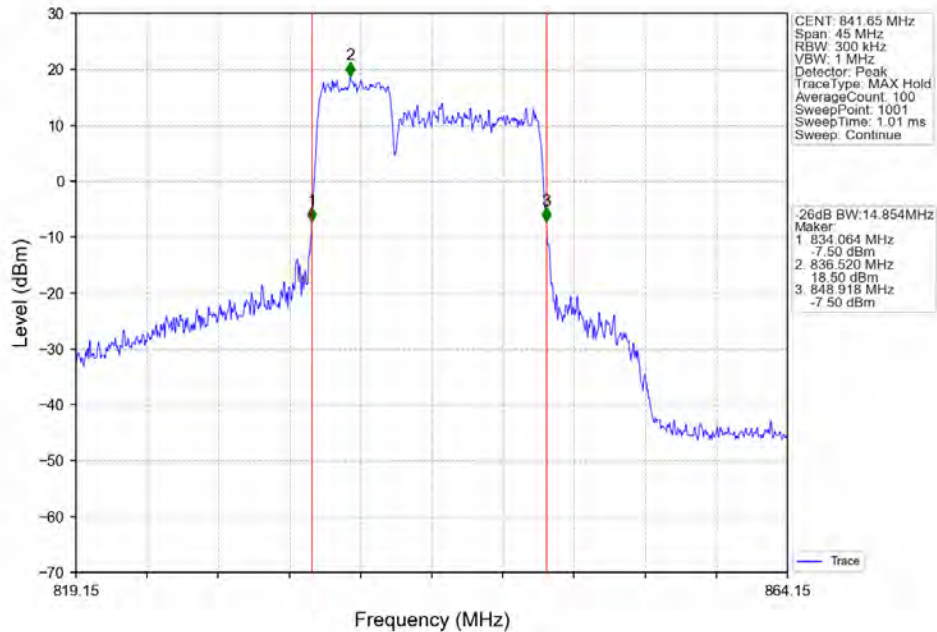
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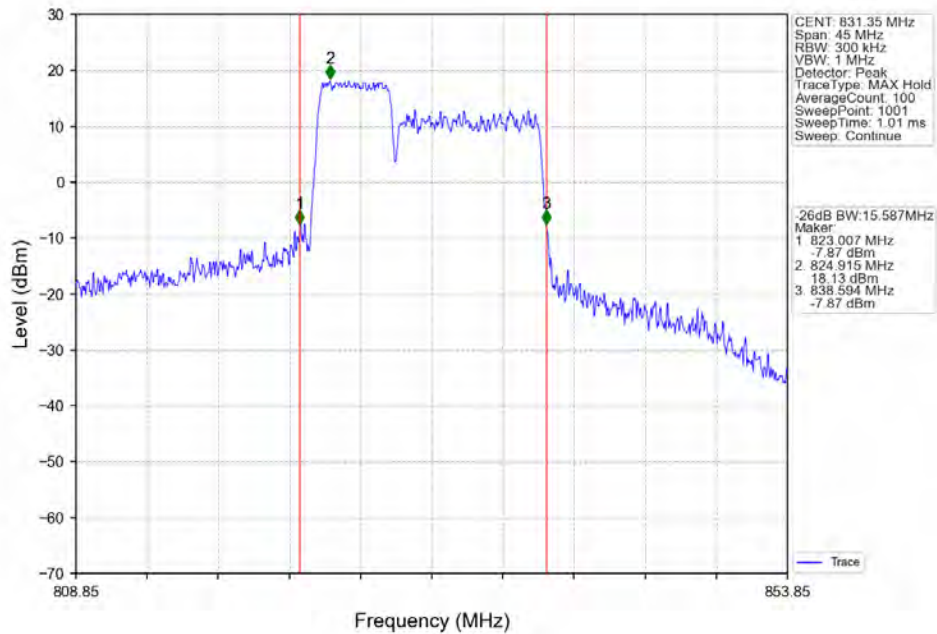
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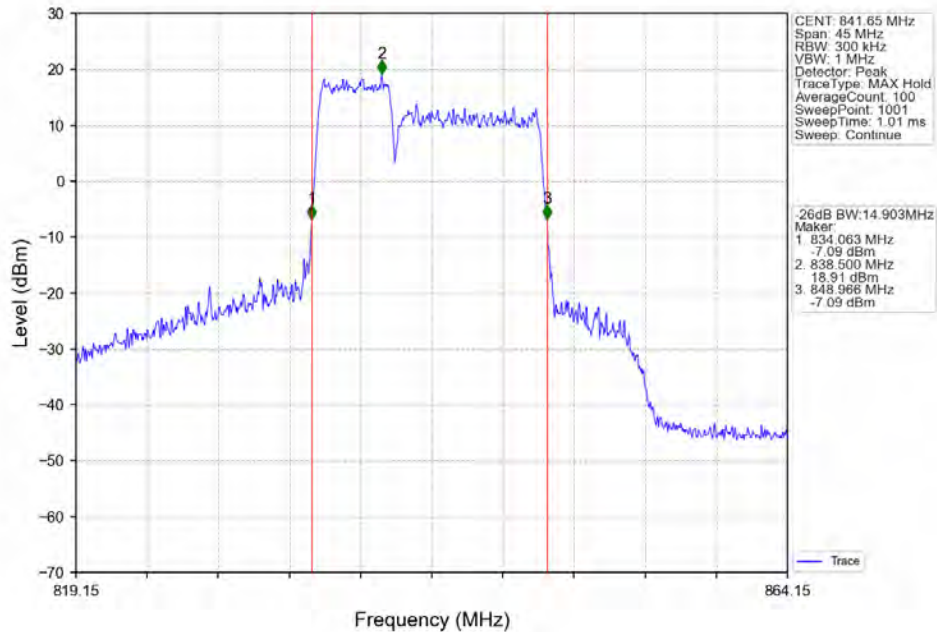
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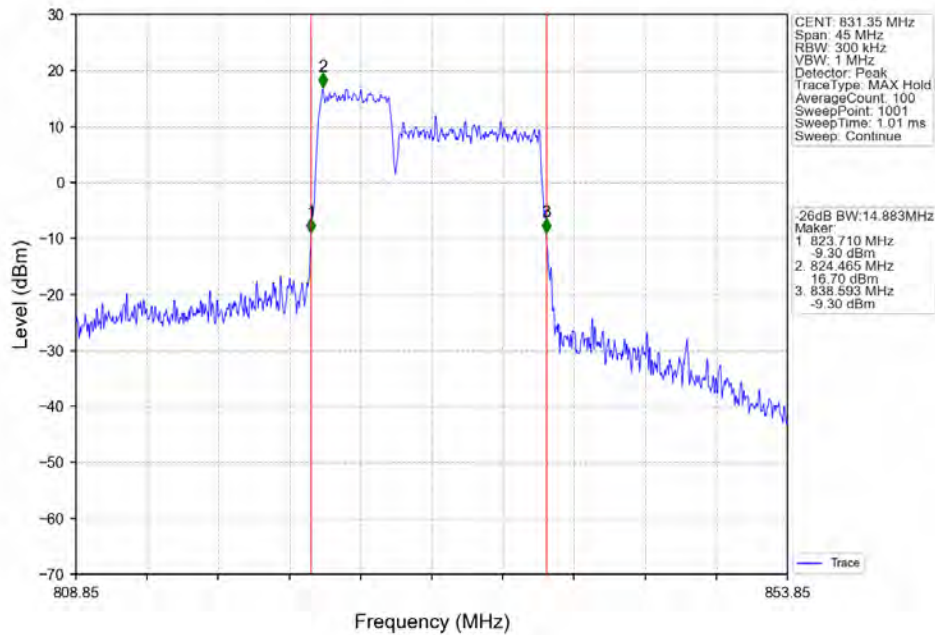
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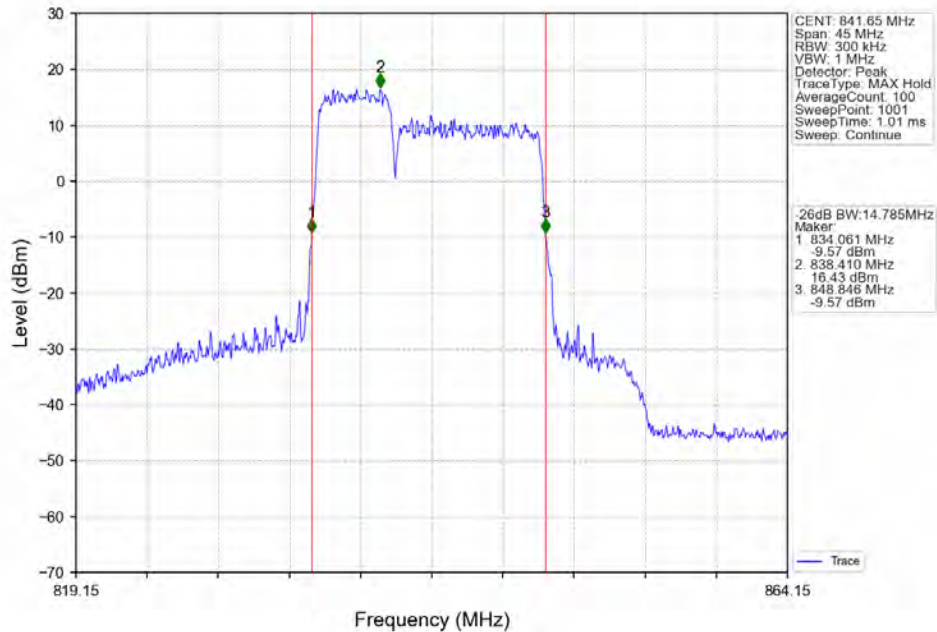
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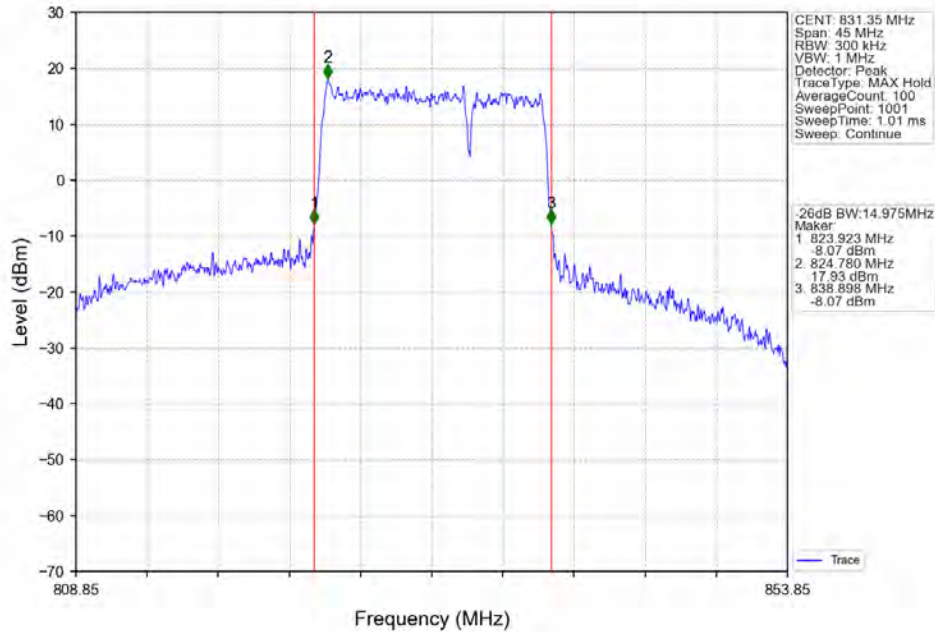
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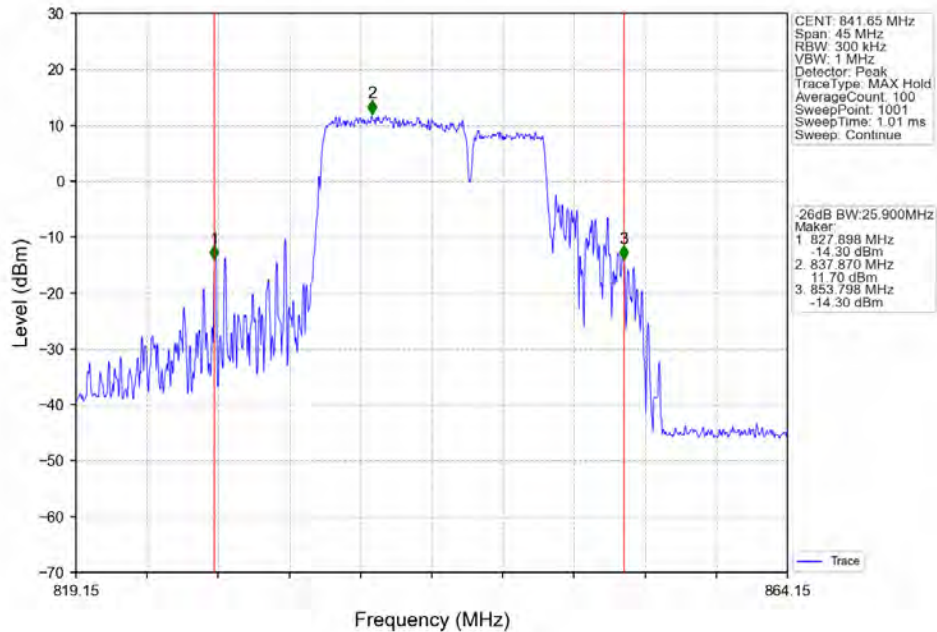
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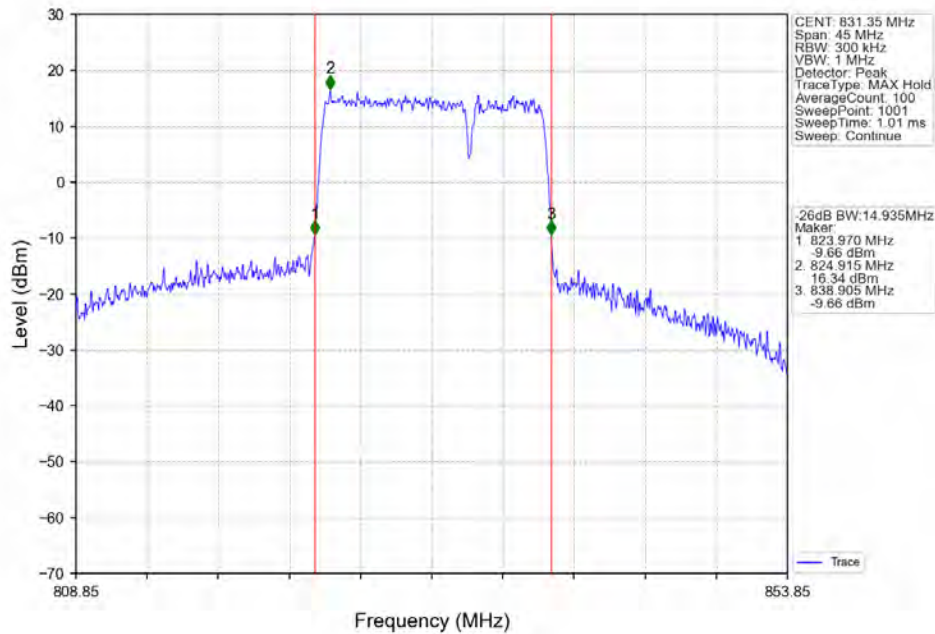
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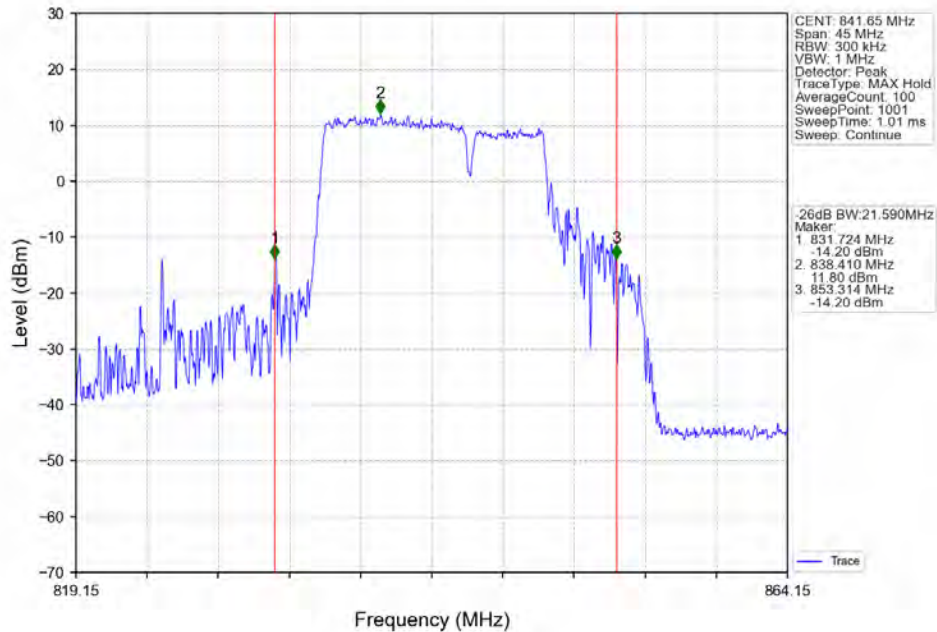
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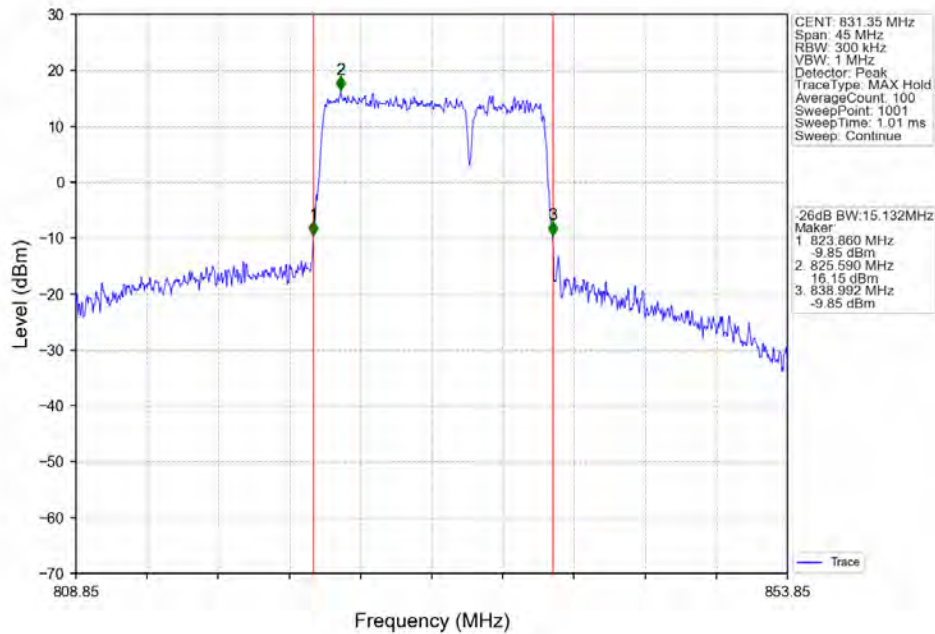
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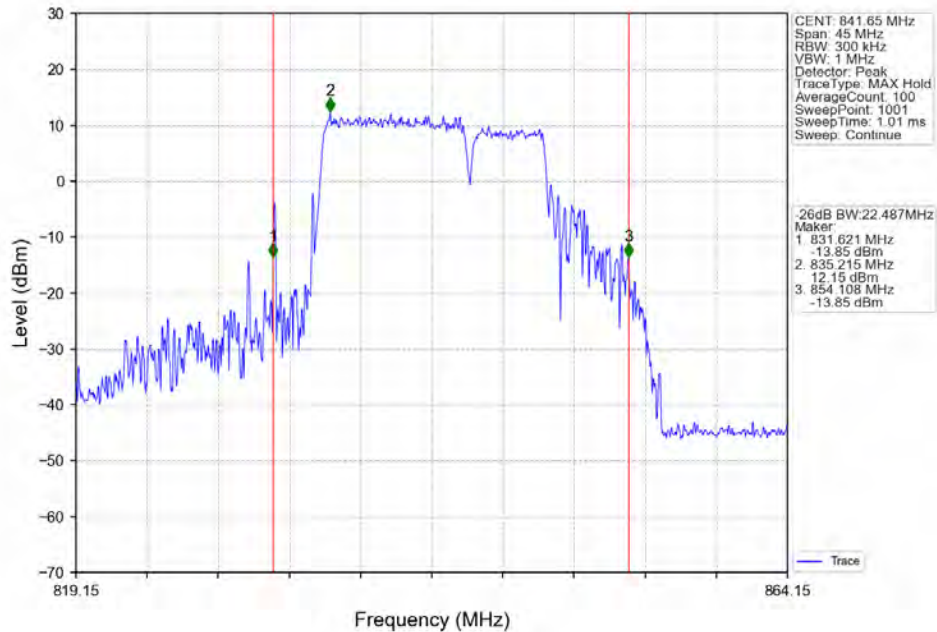
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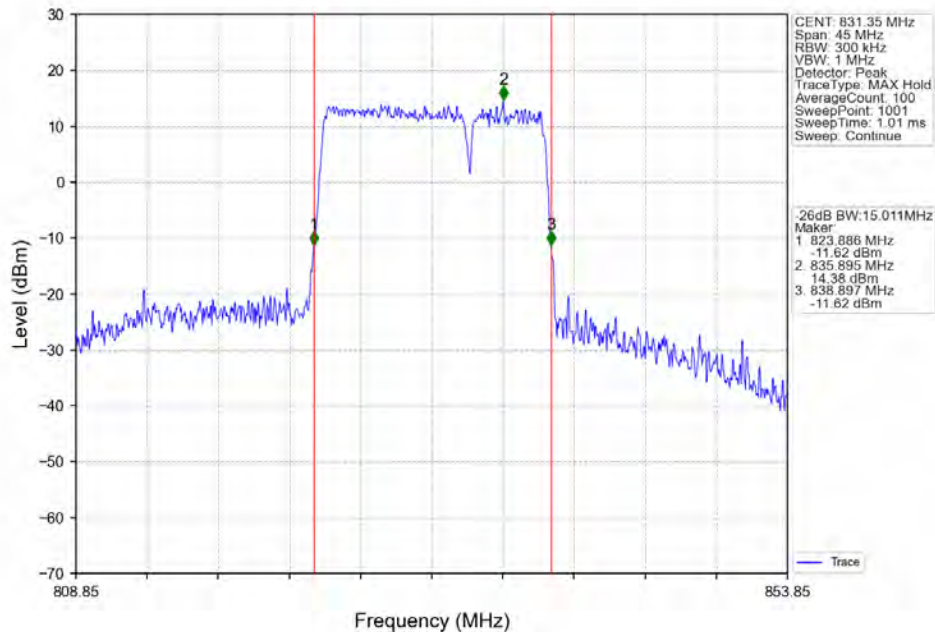
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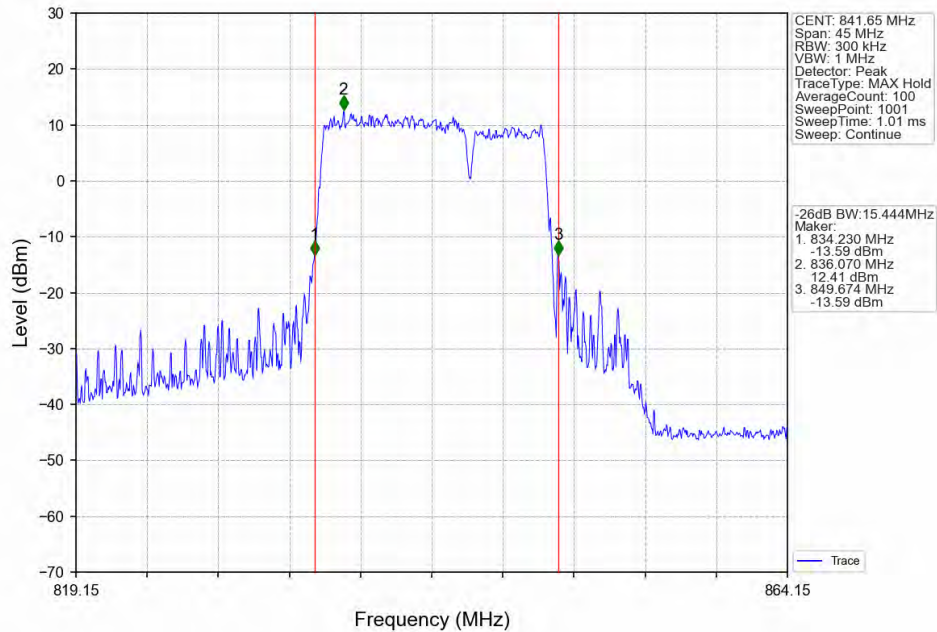
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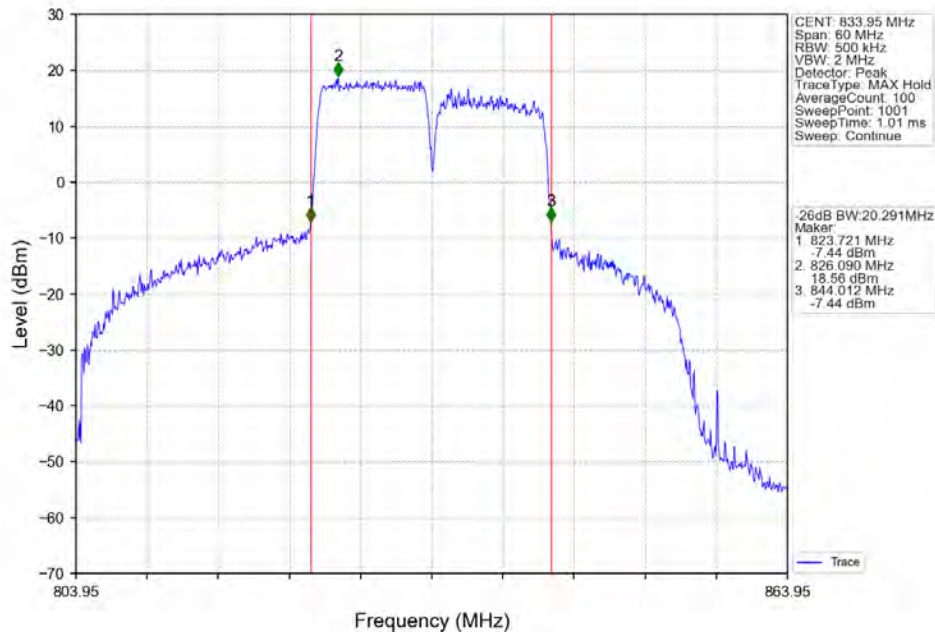
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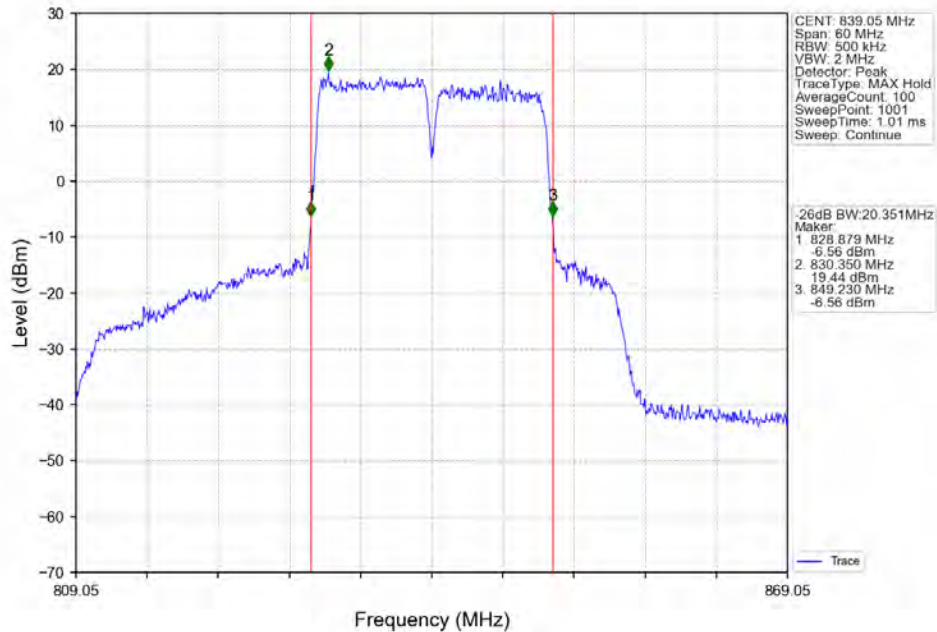
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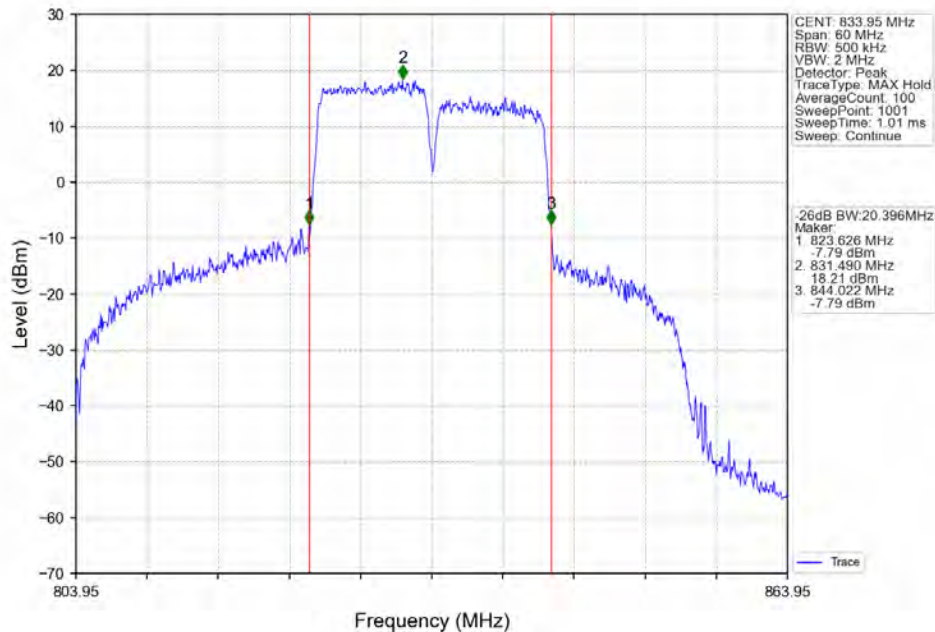
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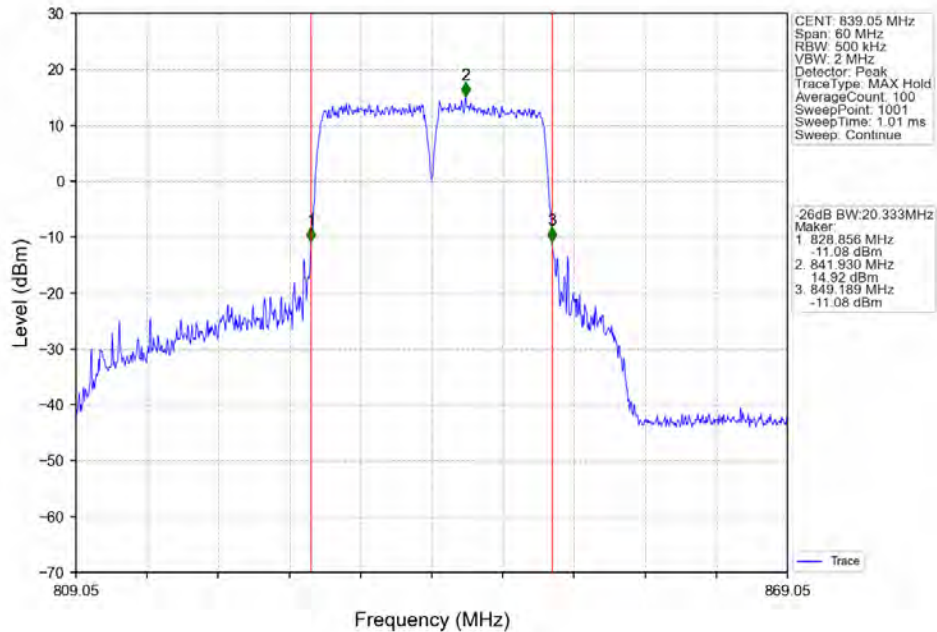
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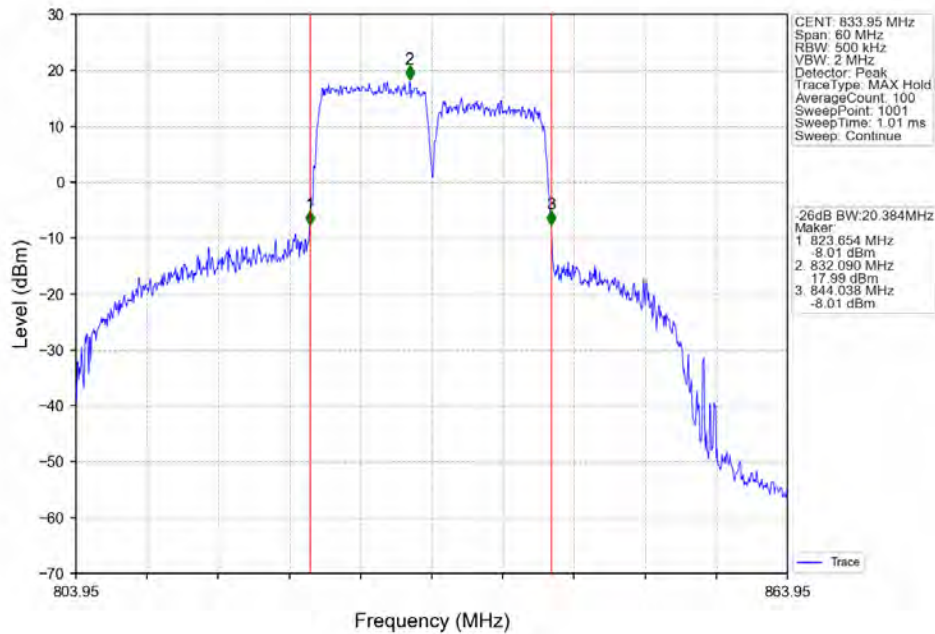
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CA_5B_SISO_NTNV_CC1:10_CC2:10MHz_CC1:64QAM_CC2:64QAM_CC1:829_CC2:838.9MHz_CC1: 50@0_CC2: 50@0



CA_5B_SISO_NTNV_CC1:10_CC2:10MHz_CC1:64QAM_CC2:64QAM_CC1:834.1_CC2:844MHz_CC1: 50@0_CC2: 50@0



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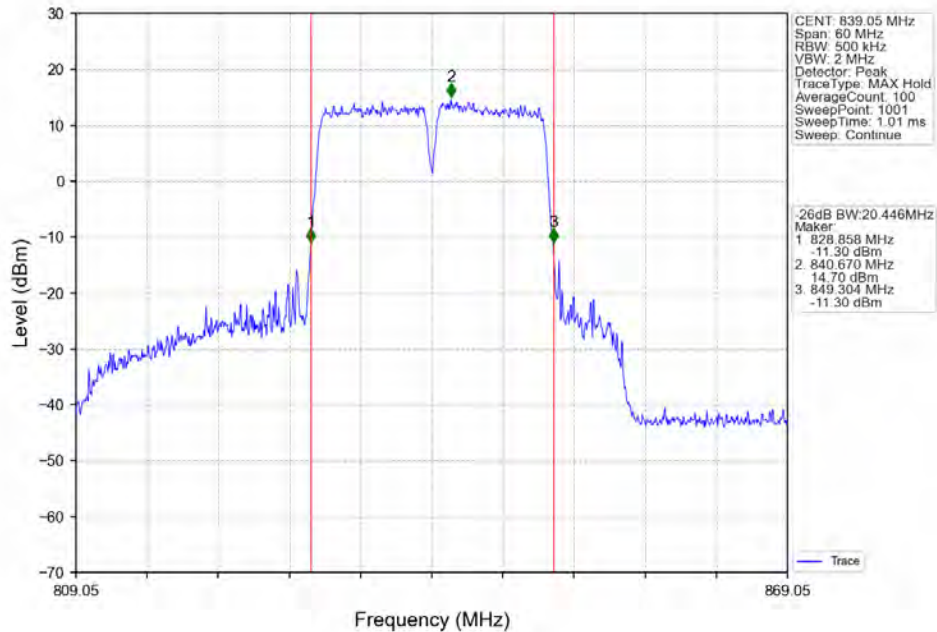
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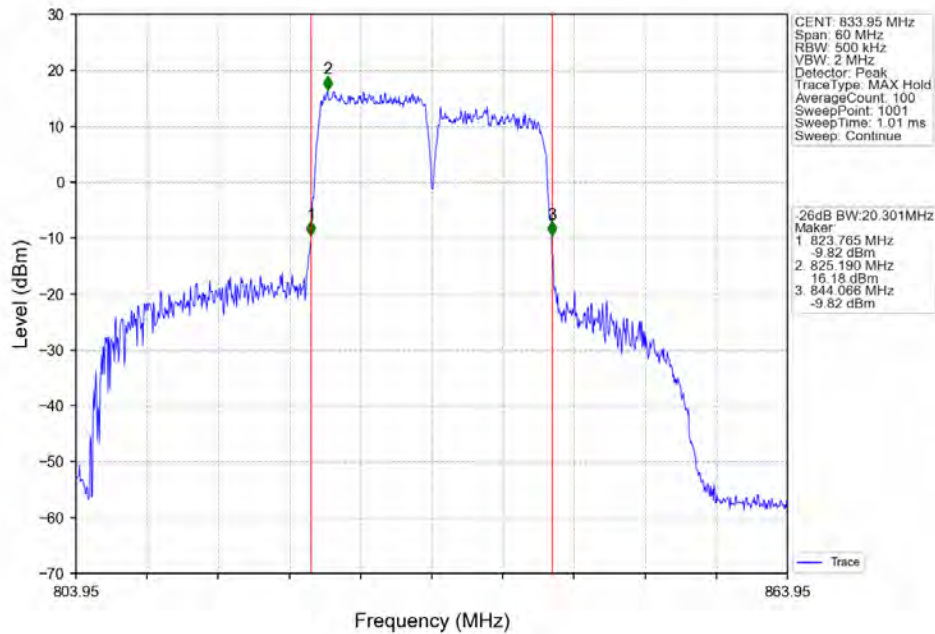
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CA_5B_SISO_NTNV_CC1:10 CC2:10MHz_CC1:256QAM CC2:256QAM_CC1:834.1 CC2:844MHz_CC1: 50@0 CC2: 50@0



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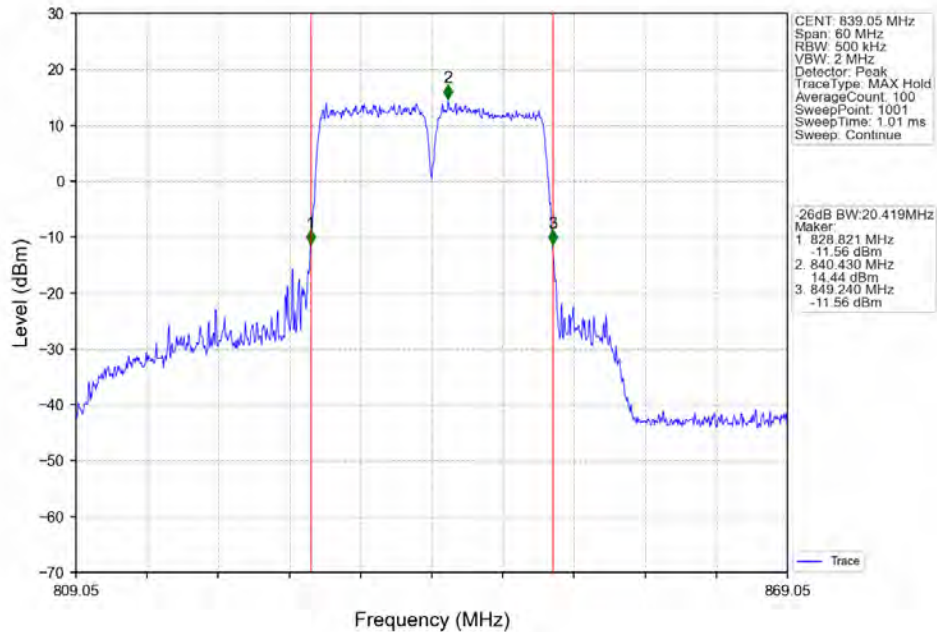
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3. Spurious Emission & Band Edges

3.1 CA_5B_NTNV

3.1.1 Test Result

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
CC1:5 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
			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
CC1:10 CC2:5	CC1: QPSK CC2: QPSK	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



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			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



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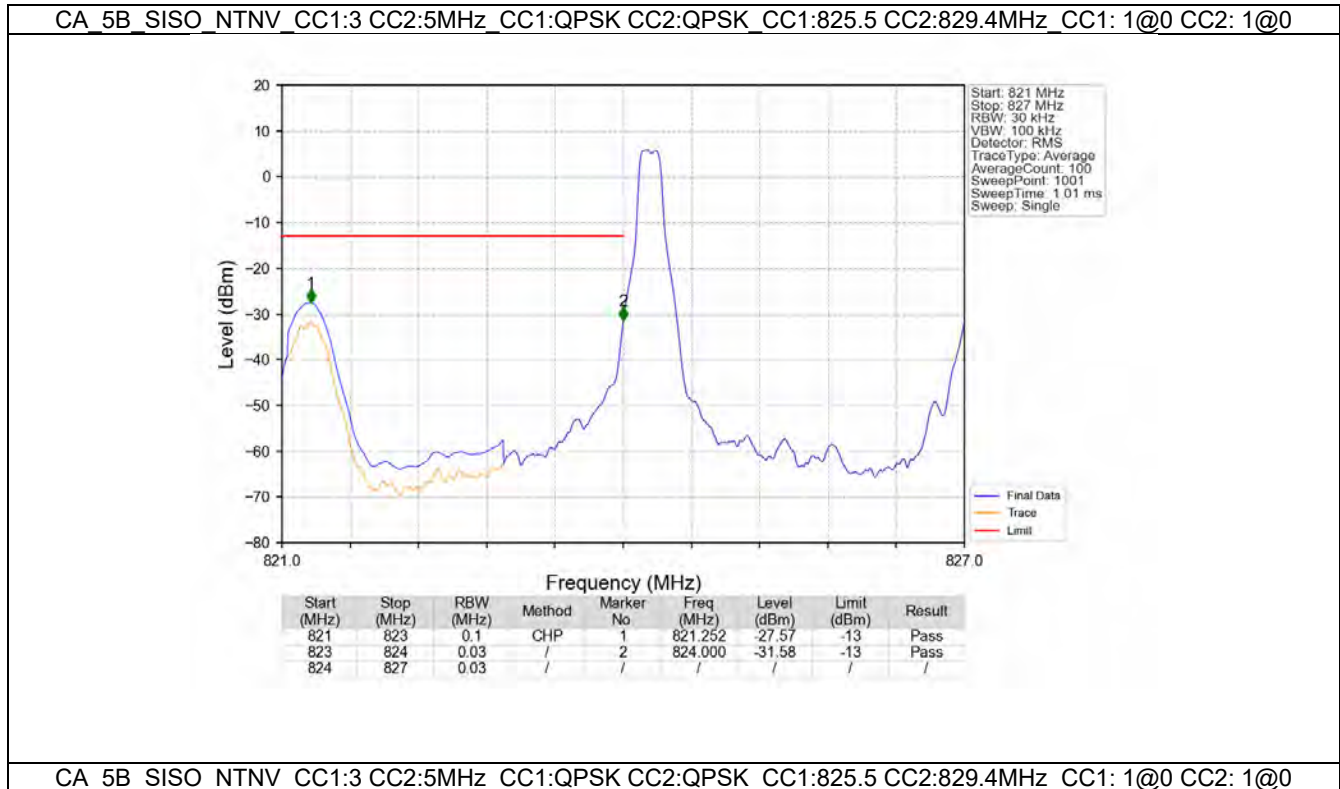
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3.1.2 Test Graph



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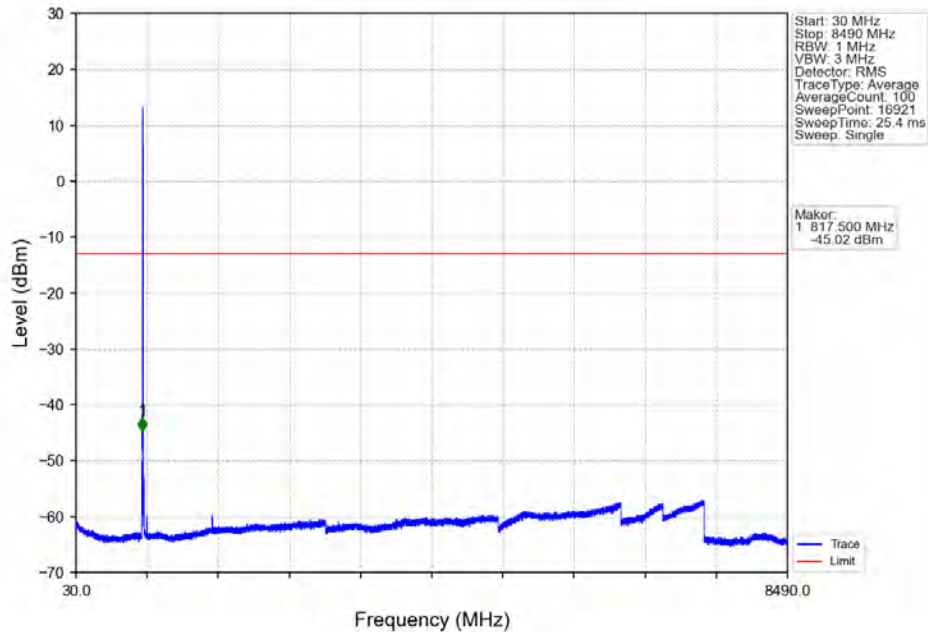
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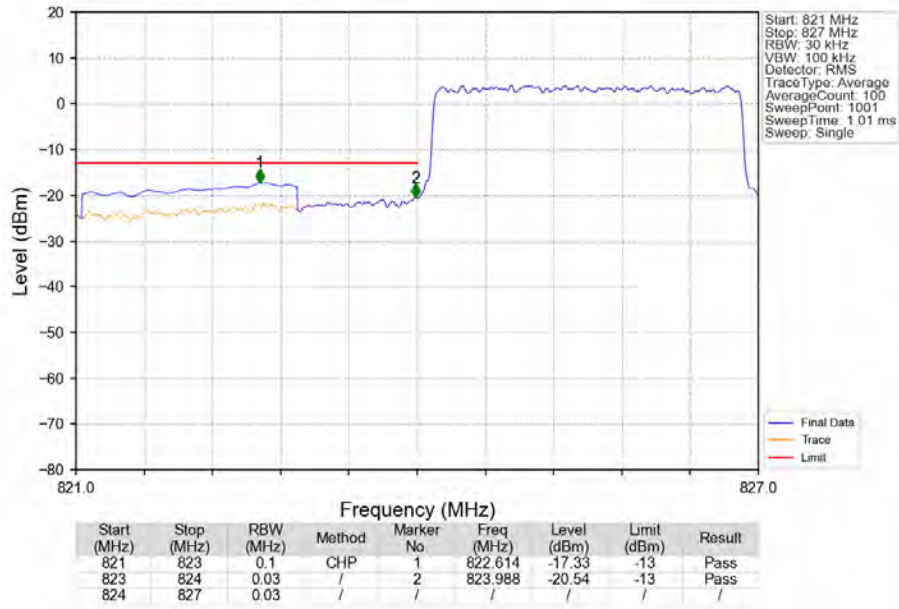
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:825.5 CC2:829.4MHz_CC1: 15@0 CC2: 25@0



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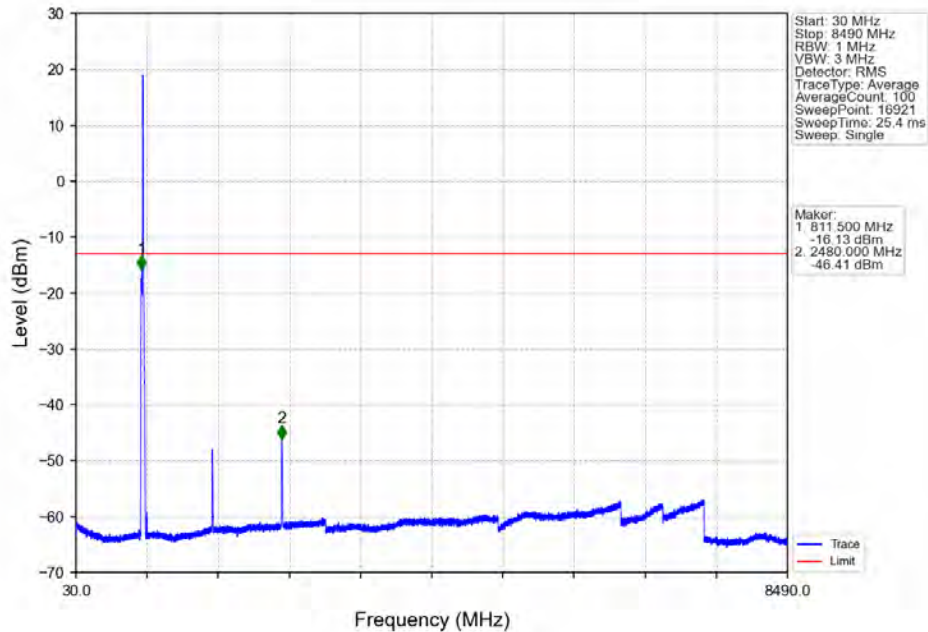
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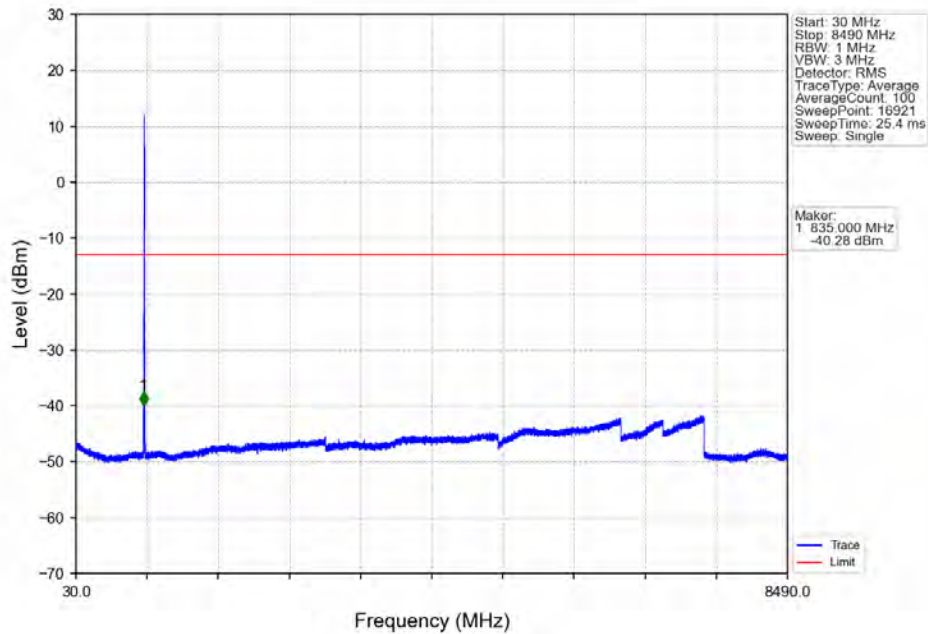
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:842.6 CC2:846.5MHz_CC1: 1@0 CC2: 1@0



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



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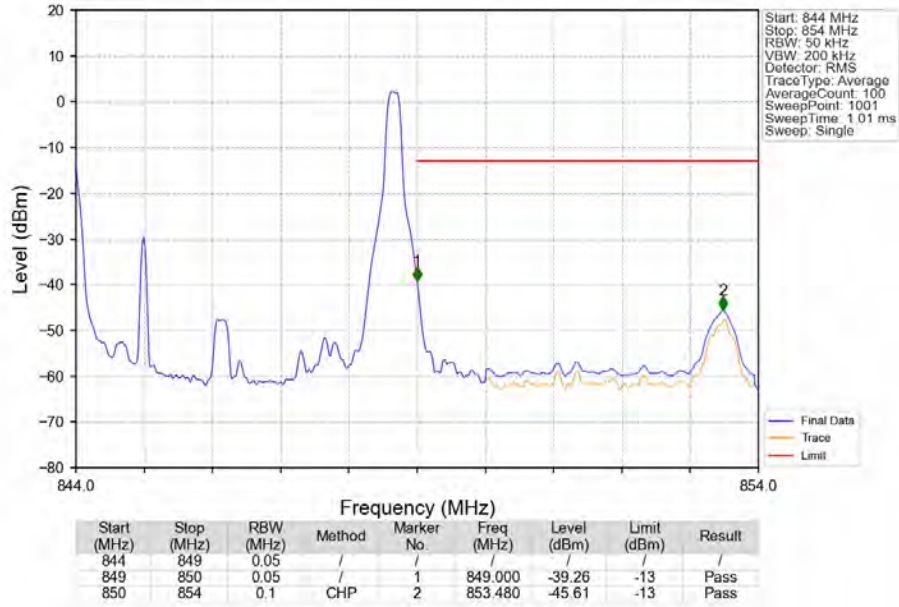
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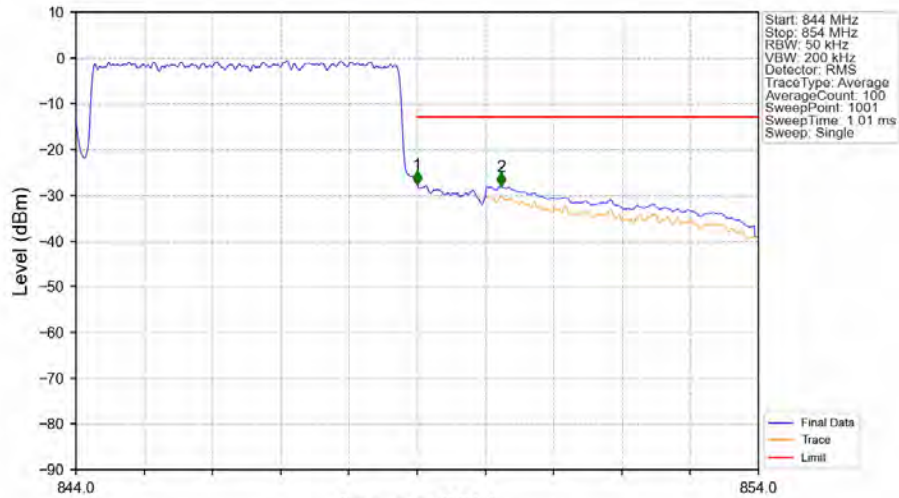
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CA_5B_SISO_NTNV_CC1:3 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:842.6 CC2:846.5MHz_CC1: 15@0 CC2: 25@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	/	1	849.000	-27.74	-13	Pass
849	850	0.05	/	2	850.230	-28.06	-13	Pass
850	854	0.1	CHP					

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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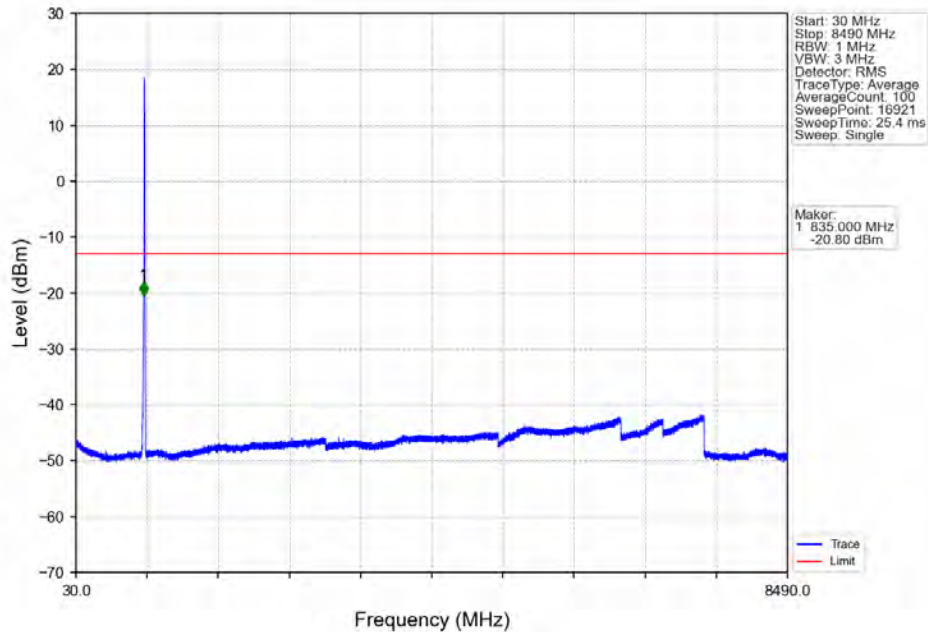
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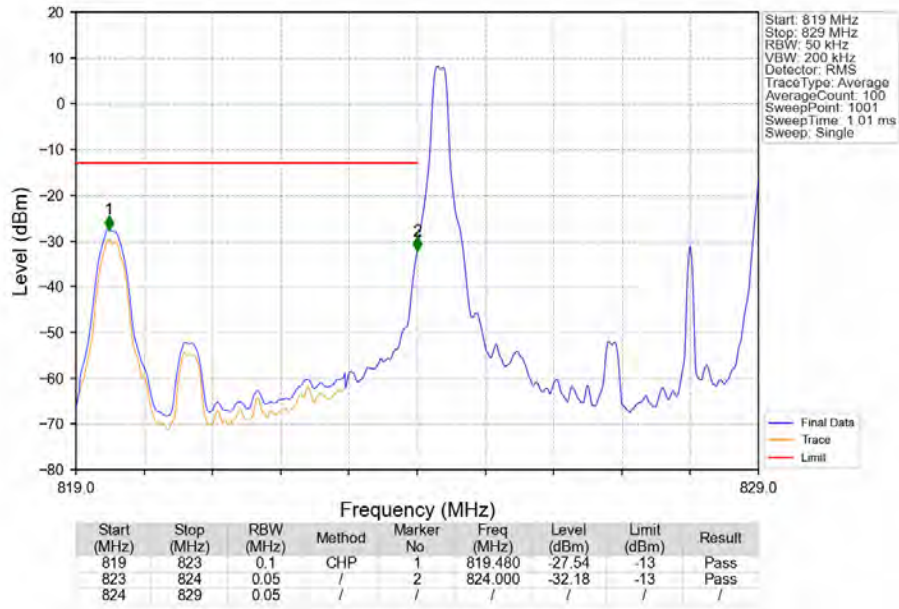
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CA_5B_SISO_NTNV_CC1:5_CC2:3MHz_CC1:QPSK_CC2:QPSK_CC1:826.5_CC2:830.4MHz_CC1: 1@0_CC2: 1@0



CA_5B_SISO_NTNV_CC1:5_CC2:3MHz_CC1:QPSK_CC2:QPSK_CC1:826.5_CC2:830.4MHz_CC1: 1@0_CC2: 1@0



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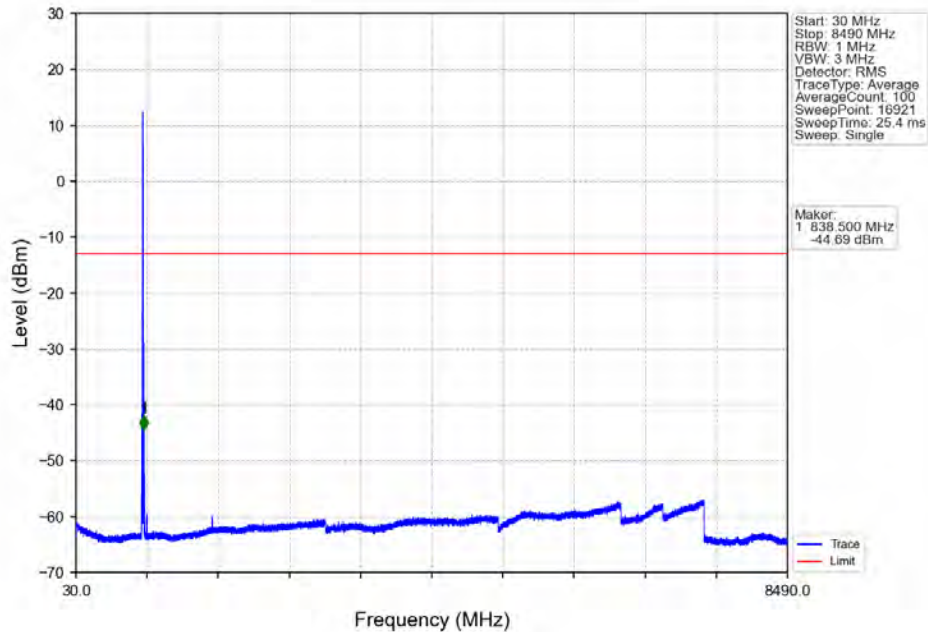
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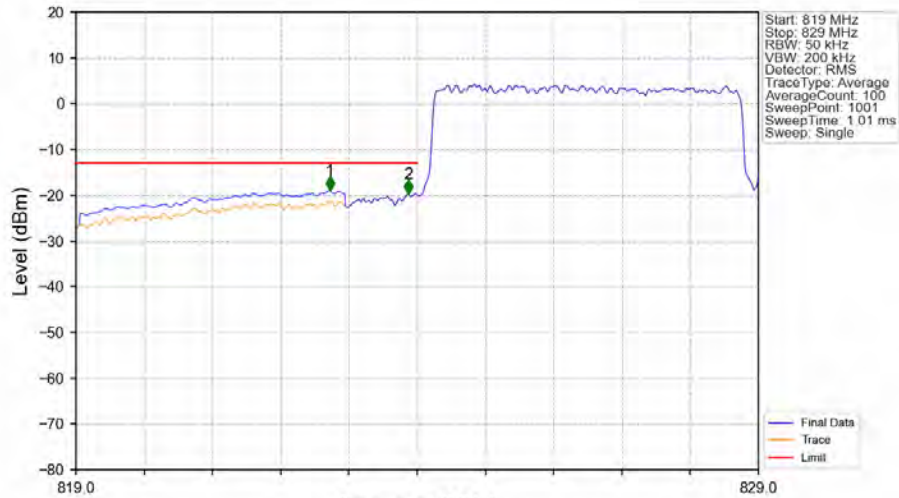
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CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:QPSK CC2:QPSK_CC1:826.5 CC2:830.4MHz_CC1: 25@0 CC2: 15@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.720	-19.03	-13	Pass
823	824	0.05	/	2	823.870	-19.68	-13	Pass
824	829	0.05	/	/	/	/	/	/

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



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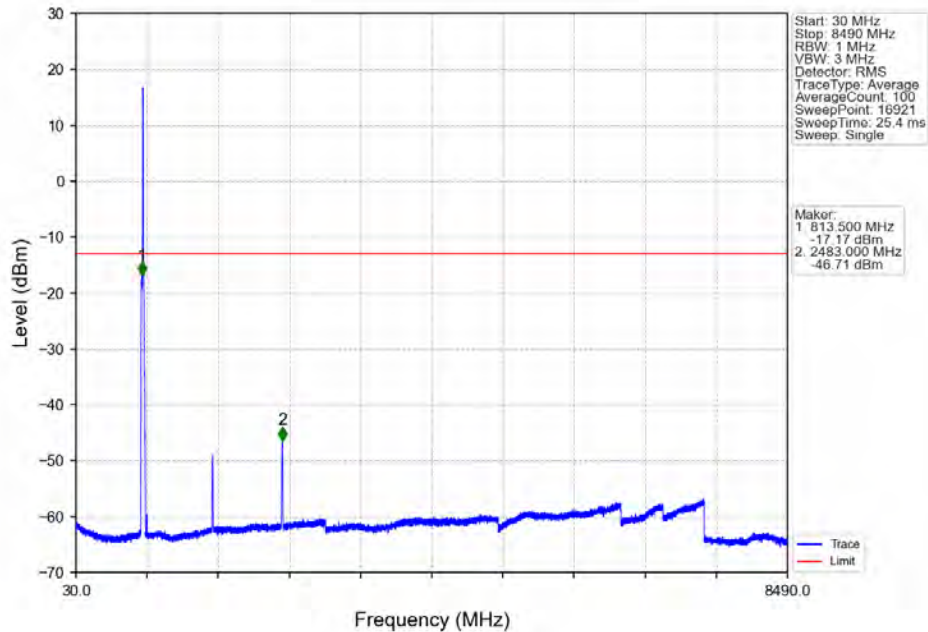
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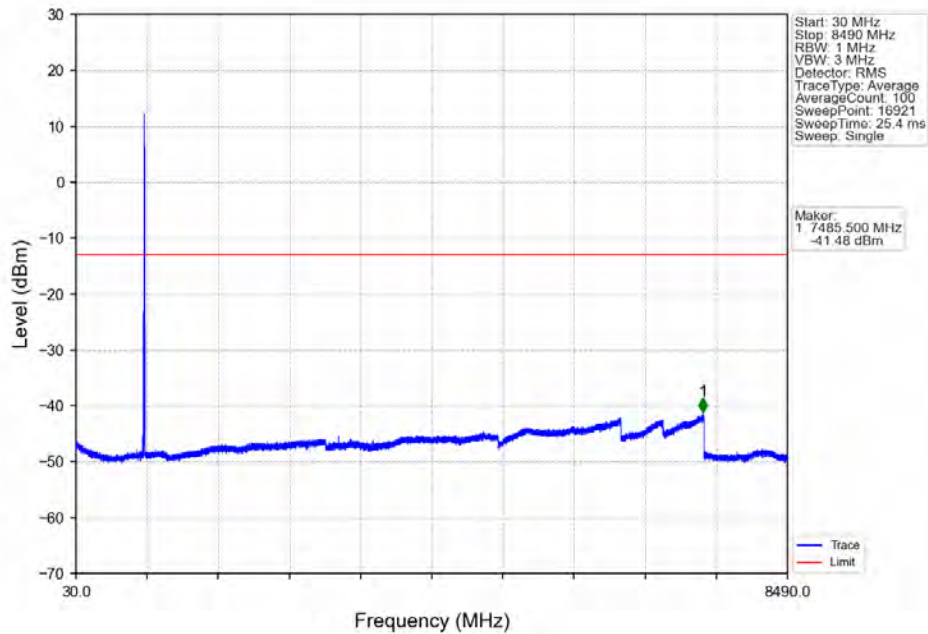
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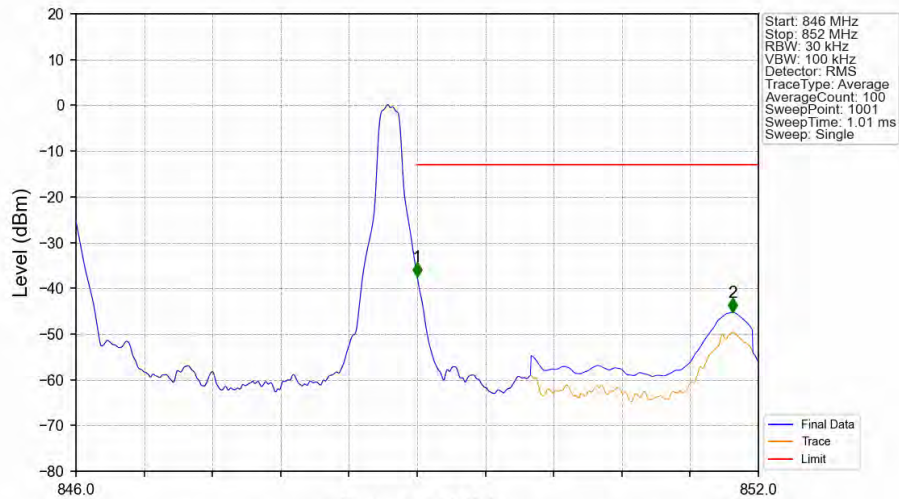
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.000	-37.44	-13	Pass
850	852	0.1	CHP	2	851.772	-45.28	-13	Pass



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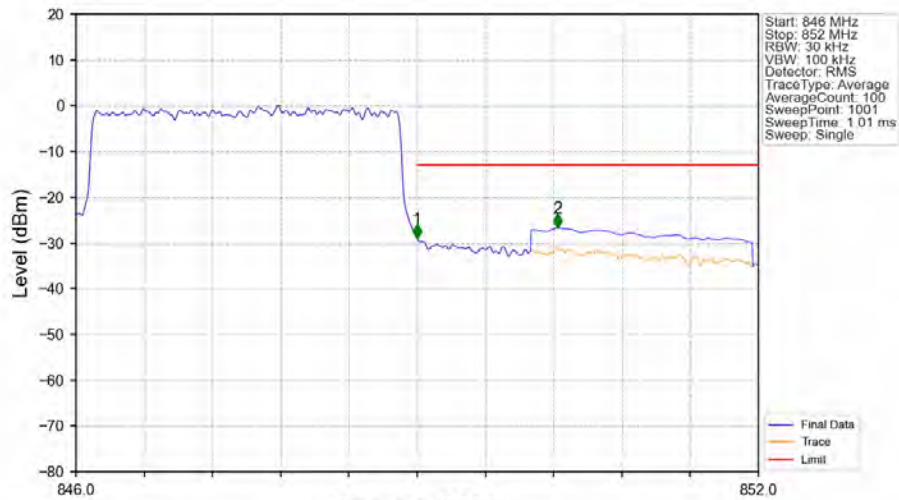
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CA_5B_SISO_NTNV_CC1:5 CC2:3MHz_CC1:QPSK CC2:QPSK_CC1:843.6 CC2:847.5MHz_CC1: 25@0 CC2: 15@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	1	849.000	-28.98	-13	Pass
849	850	0.03	/	2	850.236	-26.68	-13	Pass
850	852	0.1	CHP					

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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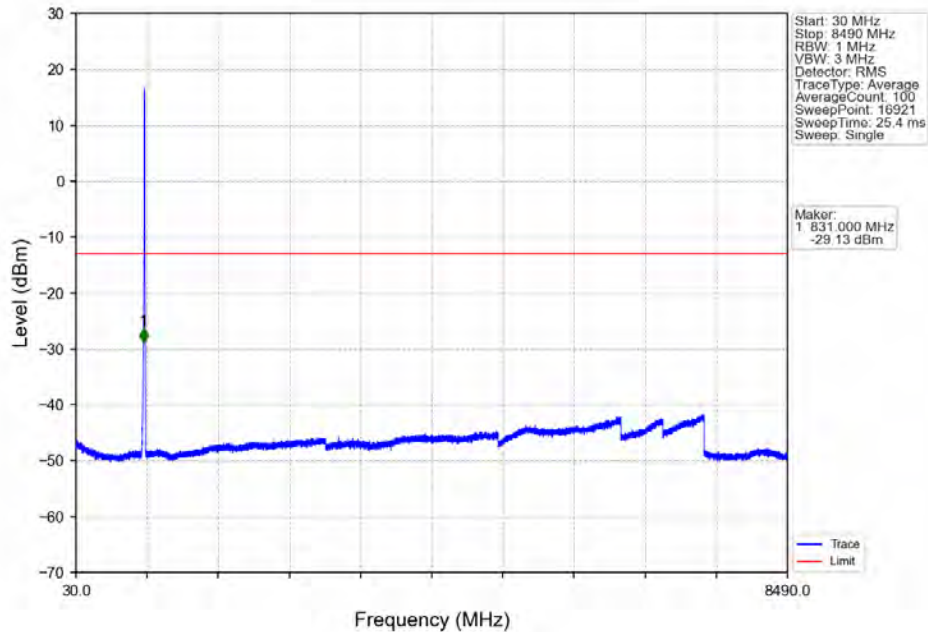
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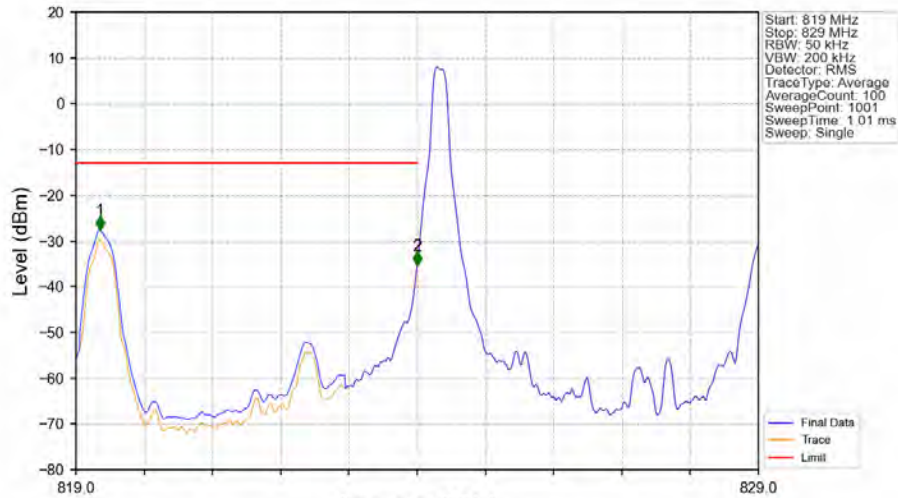
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CA_5B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK CC1:826.5 CC2:833.7MHz_CC1: 1@0 CC2: 1@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	819.350	-27.60	-13	Pass
823	824	0.05	/	2	824.000	-35.39	-13	Pass
824	829	0.05	/	/	/	/	/	/

CA_5B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK CC1:826.5 CC2:833.7MHz_CC1: 1@0 CC2: 1@0



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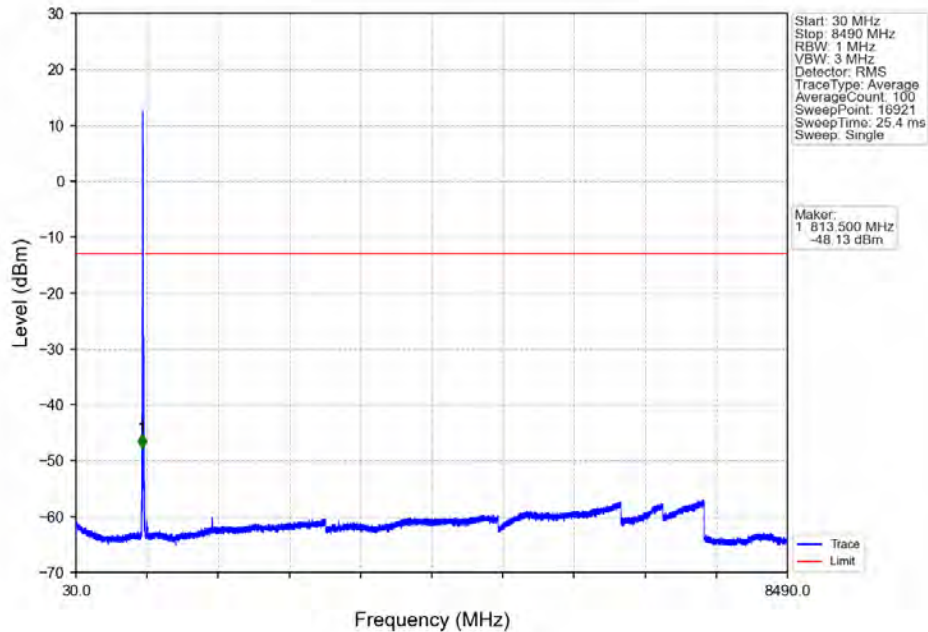
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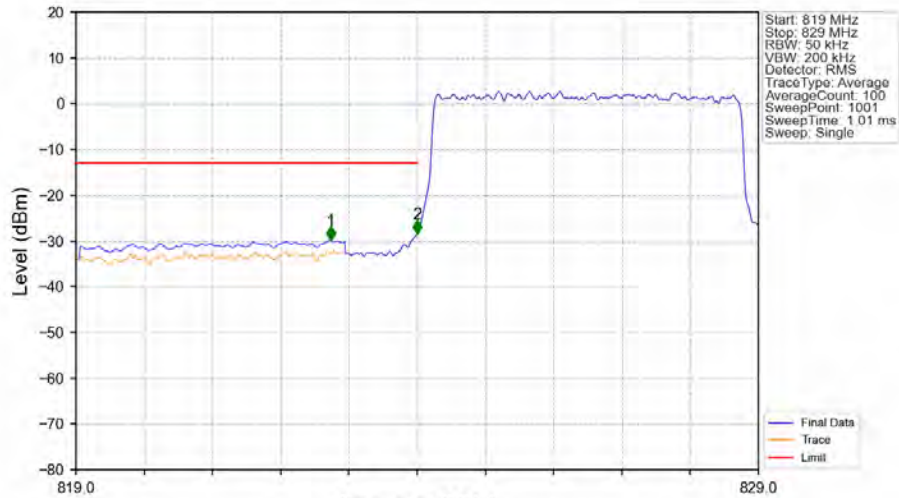
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CA_5B_SISO_NTNV_CC1:5_CC2:10MHz_CC1:QPSK_CC2:QPSK_CC1:826.5_CC2:833.7MHz_CC1: 25@0_CC2: 50@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.730	-29.90	-13	Pass
823	824	0.05	/	2	824.000	-28.46	-13	Pass
824	829	0.05	/	/	/	/	/	/

CA_5B_SISO_NTNV_CC1:5_CC2:10MHz_CC1:QPSK_CC2:QPSK_CC1:826.5_CC2:833.7MHz_CC1: 25@0_CC2: 50@0



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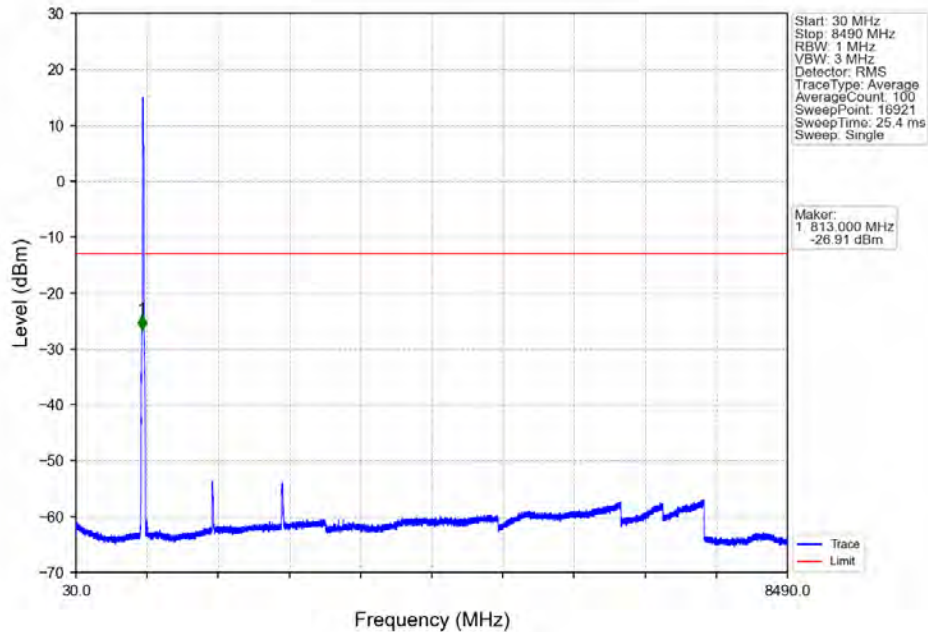
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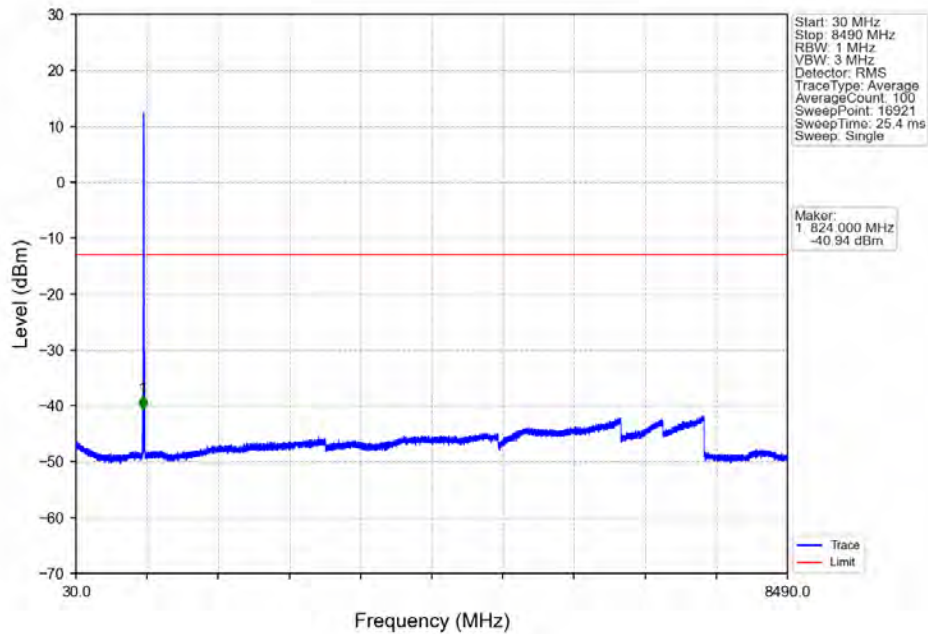
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CA_5B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:836.8 CC2:844MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:836.8 CC2:844MHz_CC1: 1@24 CC2: 1@49



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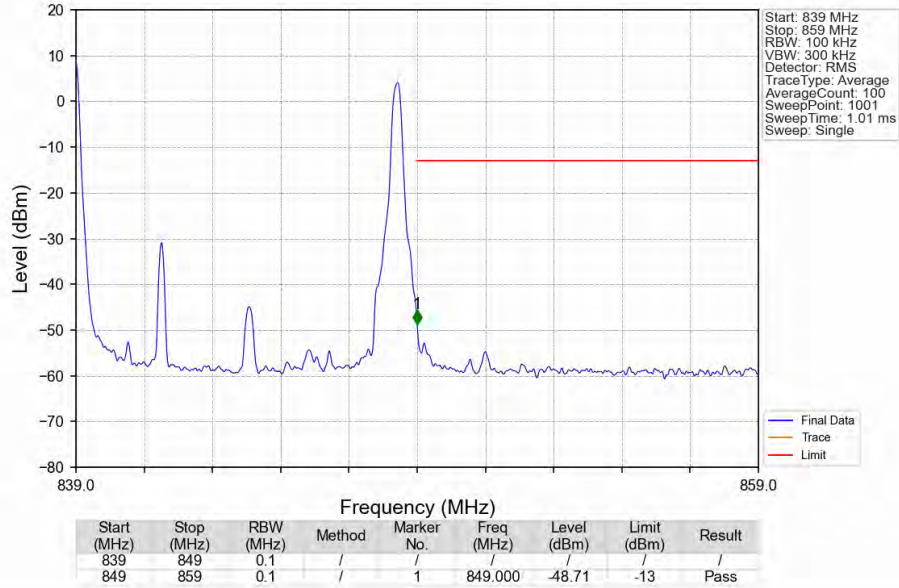
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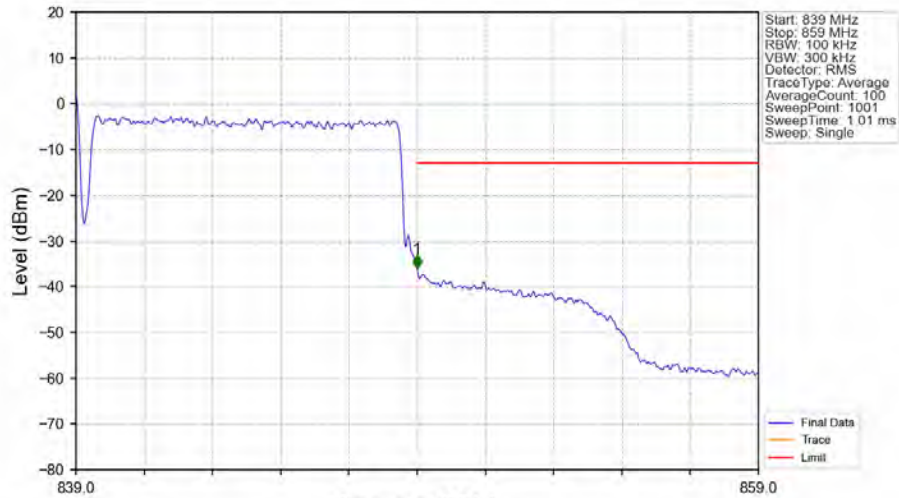
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CA_5B_SISO_NTNV_CC1:5 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:836.8 CC2:844MHz_CC1: 25@0 CC2: 50@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.000	-36.16	-13	Pass

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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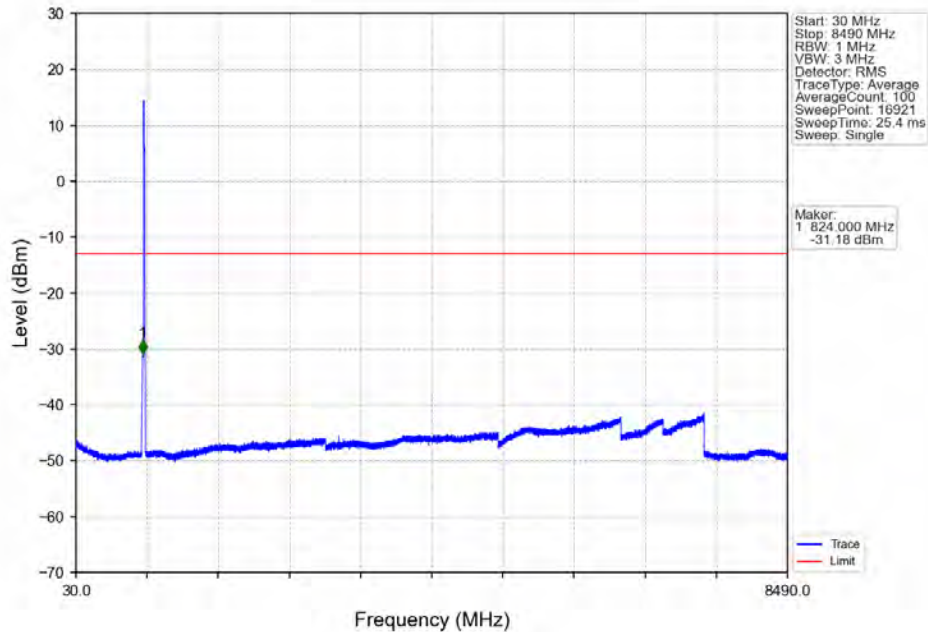
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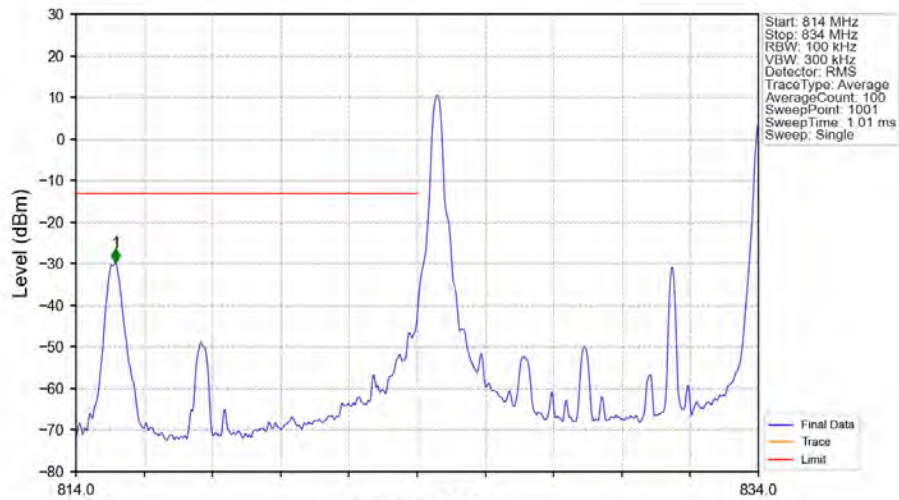
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CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:829 CC2:836.2MHz_CC1: 1@0 CC2: 1@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	815.160	-29.74	-13	Pass
824	834	0.1	/	/	/	/	/	/

CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:829 CC2:836.2MHz_CC1: 1@0 CC2: 1@0



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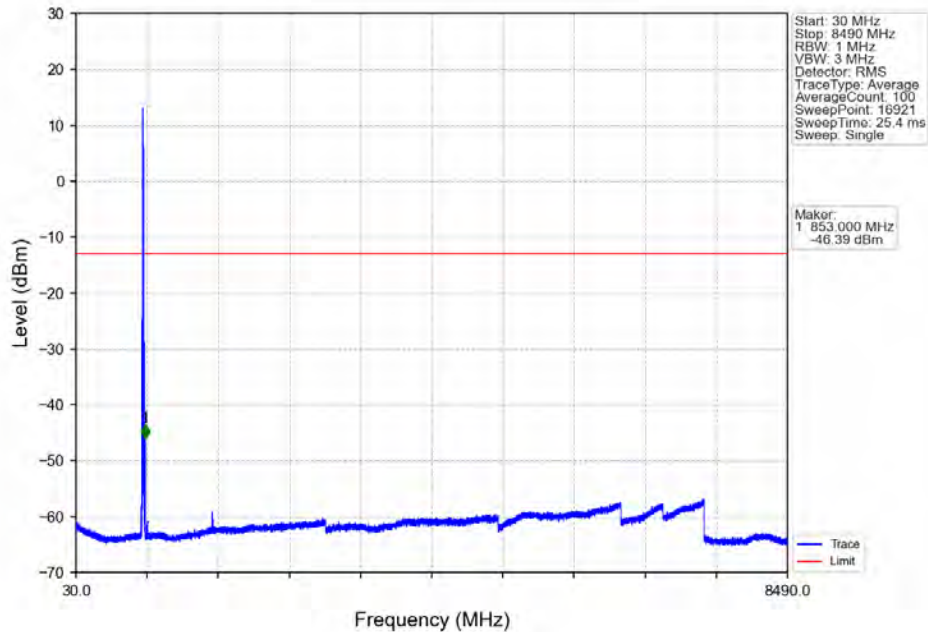
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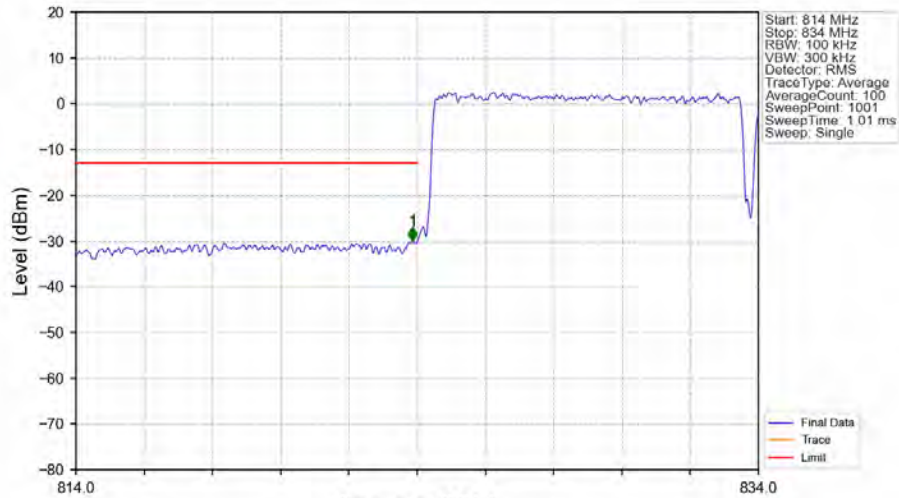
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CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:829 CC2:836.2MHz_CC1: 50@0 CC2: 25@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.860	-30.04	-13	Pass
824	834	0.1	/	/	/	/	/	/

CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:829 CC2:836.2MHz_CC1: 50@0 CC2: 25@0



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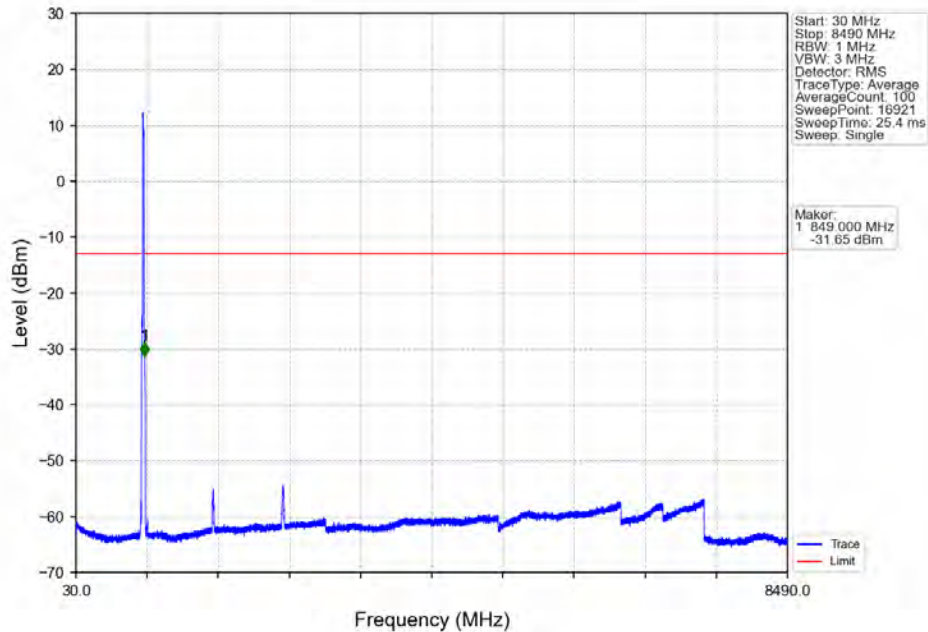
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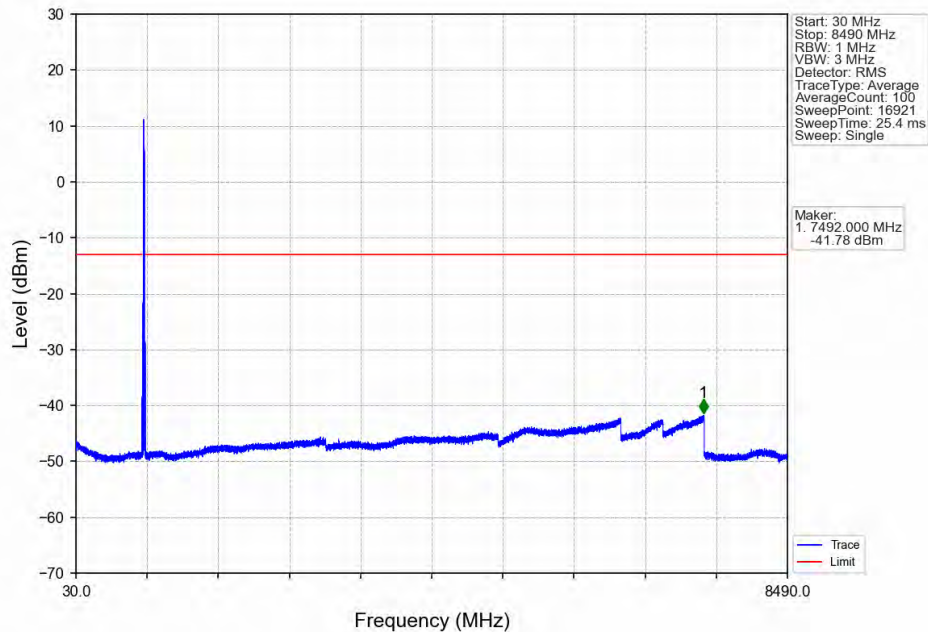
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CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:839.3 CC2:846.5MHz_CC1: 1@0 CC2: 1@0



CA_5B_SISO_NTNV_CC1:10 CC2:5MHz_CC1:QPSK CC2:QPSK_CC1:839.3 CC2:846.5MHz_CC1: 1@49 CC2: 1@24



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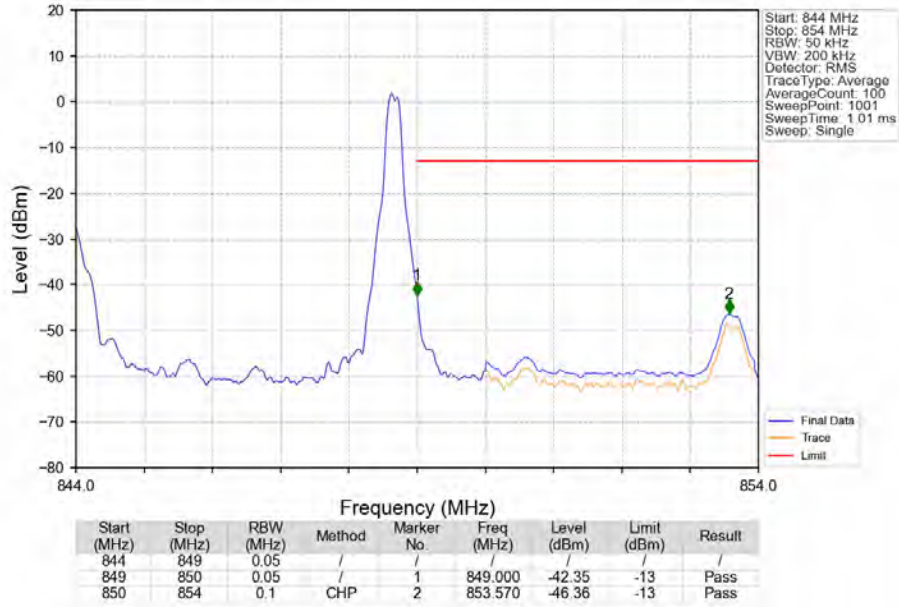
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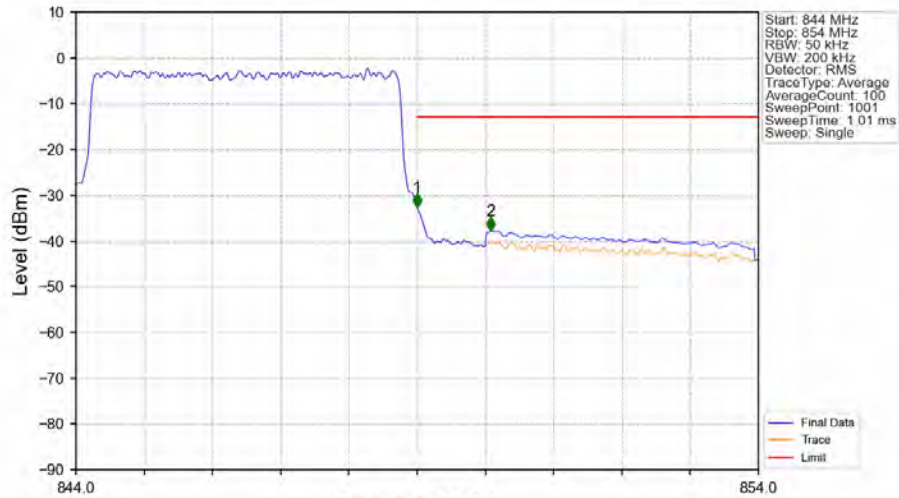
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CA 5B SISO NTN_V CC1:10 CC2:5MHz CC1:QPSK CC2:QPSK CC1:839.3 CC2:846.5MHz CC1: 50@0 CC2: 25@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	/	1	849.000	-32.74	-13	Pass
849	850	0.05	/	1	849.000	-32.74	-13	Pass
850	854	0.1	CHP	2	850.080	-37.77	-13	Pass

CA 5B SISO NTN_V CC1:10 CC2:5MHz CC1:QPSK CC2:QPSK CC1:839.3 CC2:846.5MHz CC1: 50@0 CC2: 25@0



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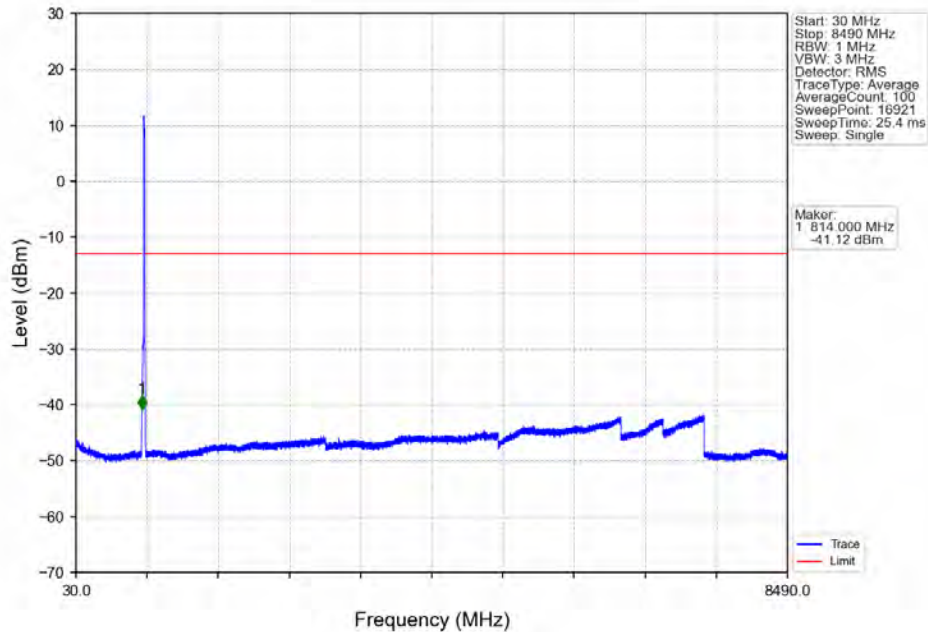
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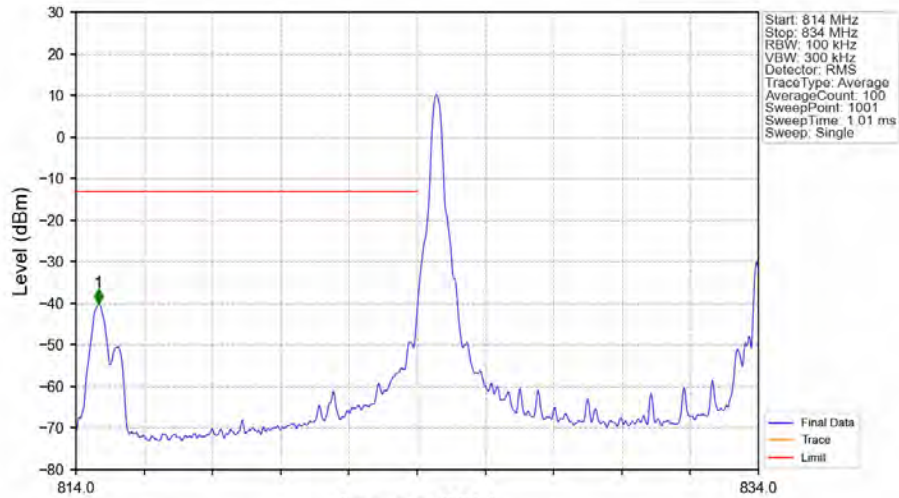
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CA_5B_SISO_NTNV_CC1:10_CC2:10MHz_CC1:QPSK_CC2:QPSK_CC1:829_CC2:838.9MHz_CC1: 1@0_CC2: 1@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	814.660	-39.96	-13	Pass
824	834	0.1	/	/	/	/	/	/

CA_5B_SISO_NTNV_CC1:10_CC2:10MHz_CC1:QPSK_CC2:QPSK_CC1:829_CC2:838.9MHz_CC1: 1@0_CC2: 1@0



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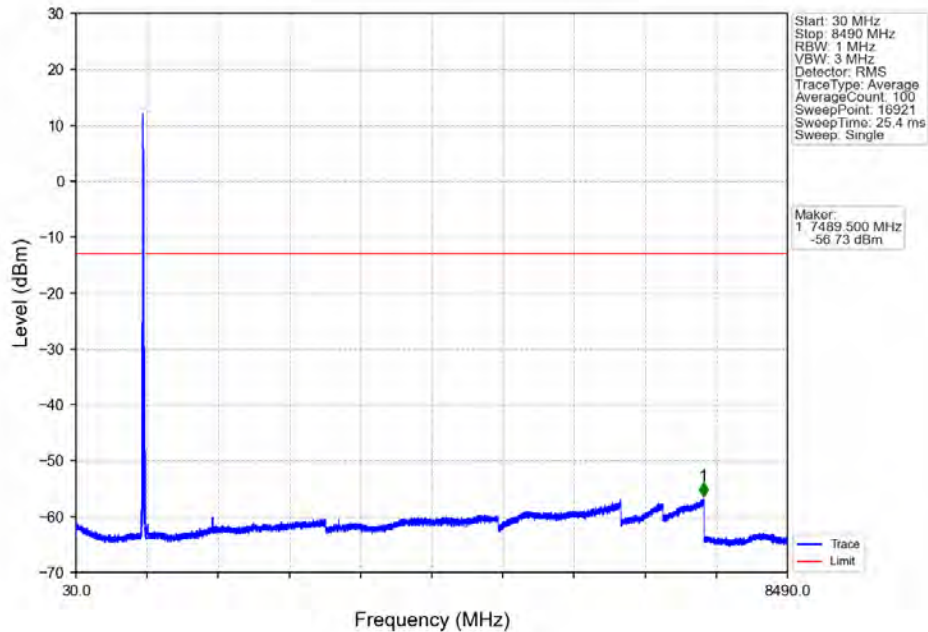
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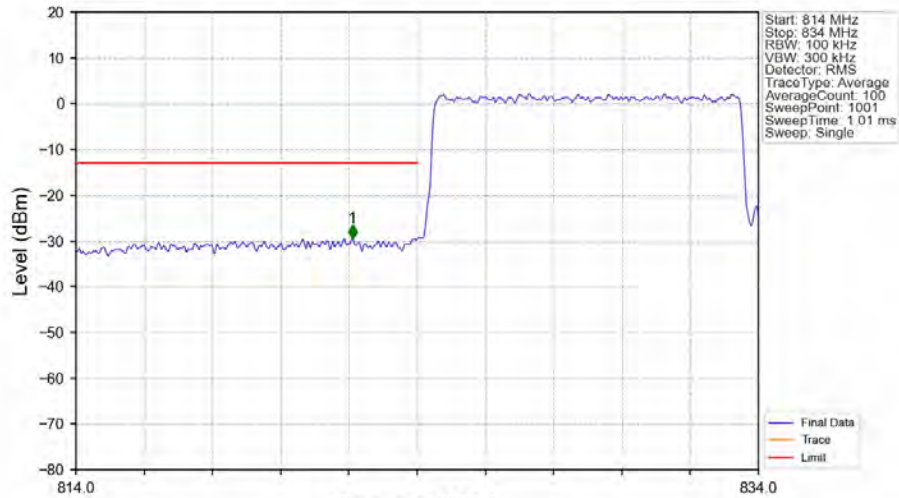
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CA_5B_SISO_NTNV_CC1:10 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:829 CC2:838.9MHz_CC1: 50@0 CC2: 50@0



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	822.100	-29.50	-13	Pass
824	834	0.1	/	/	/	/	/	/

CA_5B_SISO_NTNV_CC1:10 CC2:10MHz_CC1:QPSK CC2:QPSK_CC1:829 CC2:838.9MHz_CC1: 50@0 CC2: 50@0



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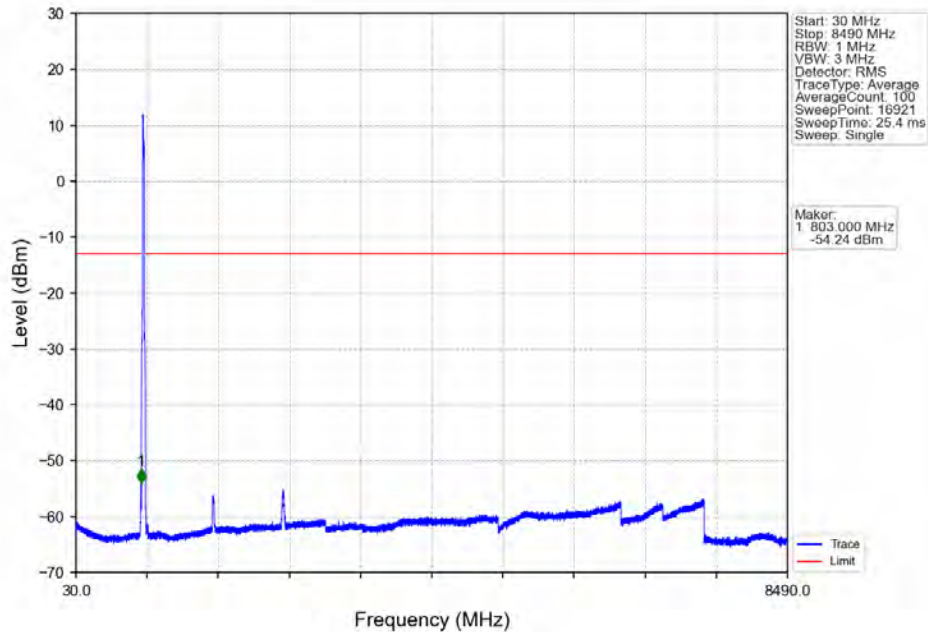
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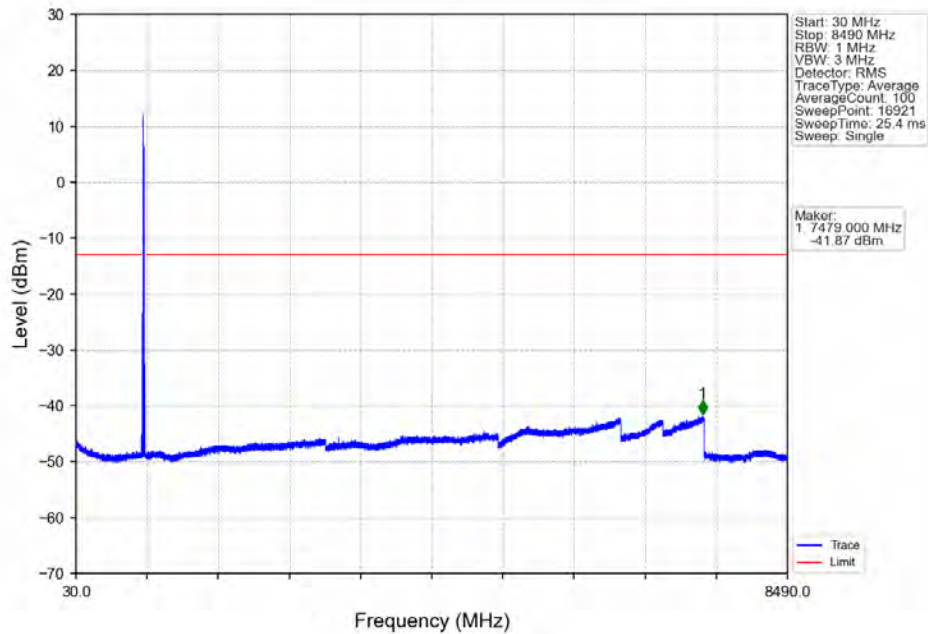
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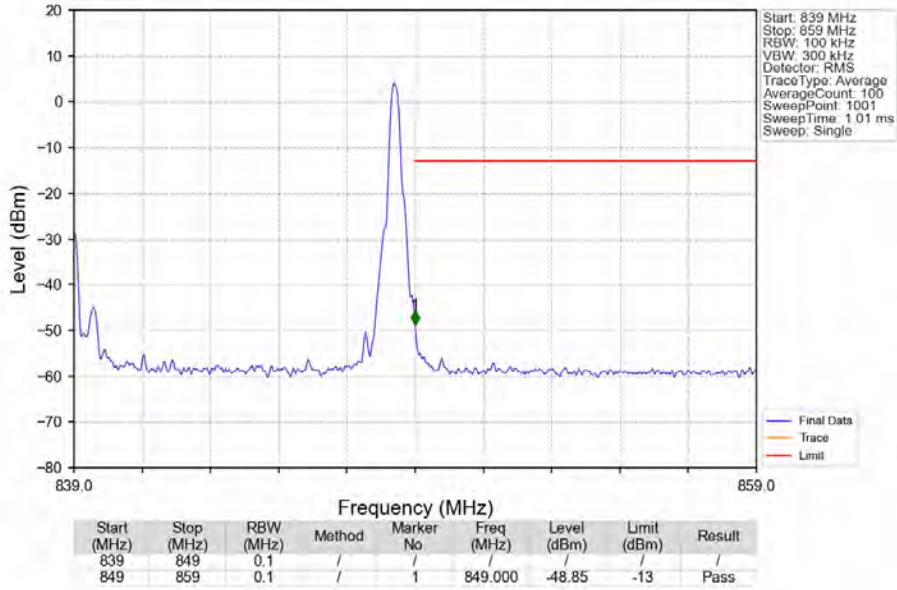
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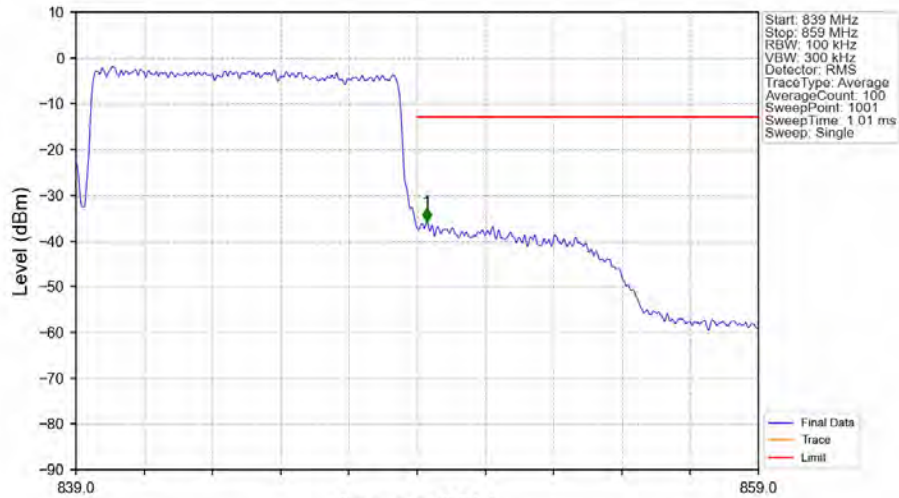
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.280	-35.81	-13	Pass

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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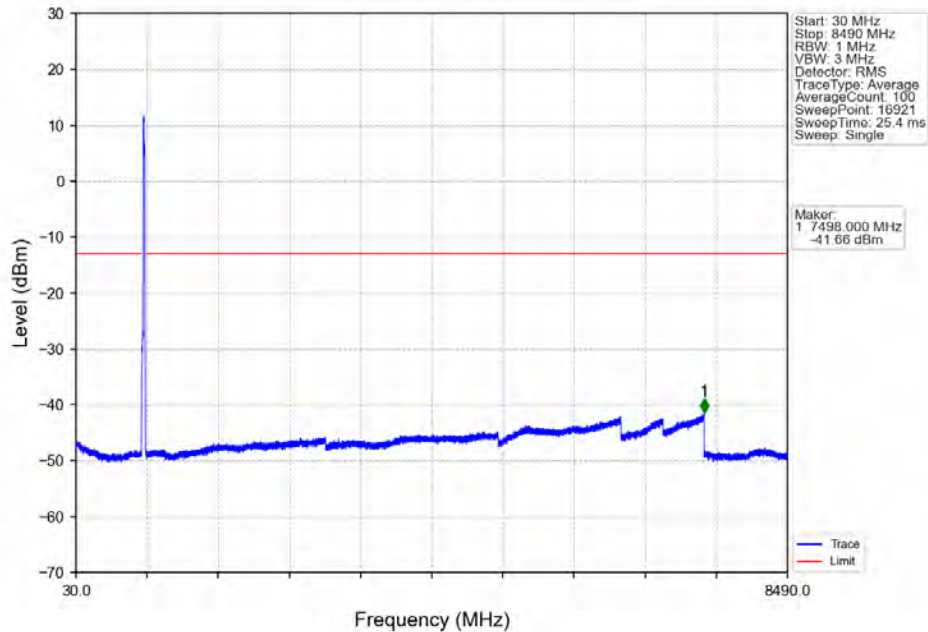
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4. Field Strength of Spurious Radiation

For report SUCR240400009001:

Test Band = LTE CA_5B_TM1
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1125	61.96	-53.88	25.85	-61.33	-13.00	48.33	Horizontal
2	2192.5	54.00	-52.55	27.66	-66.15	-13.00	53.15	Horizontal
3	3304.5	52.75	-49.80	30.61	-61.70	-13.00	48.70	Horizontal
4	5080.5	52.47	-44.59	33.46	-53.92	-13.00	40.92	Horizontal
5	7036.5	51.52	-43.45	36.35	-50.84	-13.00	37.84	Horizontal
6	9497.5	48.97	-39.30	39.19	-46.40	-13.00	33.40	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1168.5	55.71	-53.66	25.79	-67.42	-13.00	54.42	Vertical
2	2517.5	60.18	-51.74	28.11	-58.71	-13.00	45.71	Vertical
3	3976.5	53.15	-48.18	31.01	-59.28	-13.00	46.28	Vertical
4	5089	52.45	-44.52	33.48	-53.85	-13.00	40.85	Vertical
5	7376	50.48	-42.41	36.85	-50.34	-13.00	37.34	Vertical
6	9475	49.26	-39.52	39.10	-46.42	-13.00	33.42	Vertical



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Test Band = LTE CA_5B_TM1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1113	60.15	-54.04	25.83	-63.32	-13.00	50.32	Horizontal
2	1690.5	55.49	-53.21	25.82	-67.16	-13.00	54.16	Horizontal
3	2736.5	53.32	-51.23	28.65	-64.52	-13.00	51.52	Horizontal
4	4382	53.05	-46.68	32.09	-56.80	-13.00	43.80	Horizontal
5	6748.5	50.48	-44.05	36.19	-52.64	-13.00	39.64	Horizontal
6	9514	48.79	-39.30	39.17	-46.60	-13.00	33.60	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1153	55.08	-53.57	25.88	-67.87	-13.00	54.87	Vertical
2	2088.5	54.95	-52.59	27.41	-65.49	-13.00	52.49	Vertical
3	3295	52.48	-49.79	30.69	-61.88	-13.00	48.88	Vertical
4	5065.5	52.35	-44.71	33.43	-54.19	-13.00	41.19	Vertical
5	7375	50.58	-42.43	36.85	-50.26	-13.00	37.26	Vertical
6	9498.5	48.77	-39.29	39.19	-46.59	-13.00	33.59	Vertical



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Test Band = LTE CA_5B_TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1110	60.20	-54.08	25.82	-63.32	-13.00	50.32	Horizontal
2	1669.5	56.17	-53.16	25.86	-66.39	-13.00	53.39	Horizontal
3	3296.5	52.44	-49.78	30.69	-61.91	-13.00	48.91	Horizontal
4	5064.5	52.36	-44.71	33.43	-54.18	-13.00	41.18	Horizontal
5	7387	50.09	-42.19	36.83	-50.53	-13.00	37.53	Horizontal
6	9520.5	49.04	-39.31	39.16	-46.37	-13.00	33.37	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1158	55.03	-53.60	25.85	-67.98	-13.00	54.98	Vertical
2	2211	54.37	-52.55	27.66	-65.78	-13.00	52.78	Vertical
3	3623.5	53.37	-49.46	30.29	-61.06	-13.00	48.06	Vertical
4	5095.5	52.12	-44.47	33.49	-54.12	-13.00	41.12	Vertical
5	7573.5	50.29	-42.14	36.75	-50.36	-13.00	37.36	Vertical
6	9502	48.93	-39.28	39.20	-46.41	-13.00	33.41	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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For report SUCR240400008901:

Test Band = LTE Band5B_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1438.8571	49.94	-48.12	25.12	-68.32	-13.00	55.32	Horizontal
2	1650.2857	49.20	-48.22	25.28	-69.00	-13.00	56.00	Horizontal
3	2594.8571	46.14	-46.95	27.49	-68.58	-13.00	55.58	Horizontal
4	3183.4286	44.99	-46.37	28.41	-68.23	-13.00	55.23	Horizontal
5	4147.4286	43.55	-45.93	29.45	-68.18	-13.00	55.18	Horizontal
6	5753.7143	44.31	-44.62	32.65	-62.92	-13.00	49.92	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1600	50.11	-48.28	25.20	-68.23	-13.00	55.23	Vertical
2	2198.8571	46.34	-47.68	26.46	-70.14	-13.00	57.14	Vertical
3	3156	45.77	-46.49	28.39	-67.59	-13.00	54.59	Vertical
4	3947.4286	44.92	-46.22	29.05	-67.51	-13.00	54.51	Vertical
5	5333.1429	45.09	-45.18	32.20	-63.15	-13.00	50.15	Vertical
6	6002.8571	44.88	-44.44	32.71	-62.11	-13.00	49.11	Vertical



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Test Band = LTE Band5B_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1200	52.30	-48.57	25.20	-66.33	-13.00	53.33	Horizontal
2	1500	50.04	-48.32	25.15	-68.39	-13.00	55.39	Horizontal
3	2165.7143	46.11	-47.69	26.36	-70.48	-13.00	57.48	Horizontal
4	2882.8571	45.38	-46.63	28.07	-68.44	-13.00	55.44	Horizontal
5	3966.2857	44.27	-46.21	29.07	-68.13	-13.00	55.13	Horizontal
6	5973.7143	44.82	-44.57	32.69	-62.32	-13.00	49.32	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1350.2857	47.28	-48.06	25.12	-70.92	-13.00	57.92	Vertical
2	1918.2857	46.91	-48.02	25.74	-70.64	-13.00	57.64	Vertical
3	2956.5714	45.73	-46.54	28.21	-67.86	-13.00	54.86	Vertical
4	3941.7143	44.97	-46.22	29.04	-67.47	-13.00	54.47	Vertical
5	5342.2857	44.93	-45.15	32.22	-63.26	-13.00	50.26	Vertical
6	6025.1429	45.17	-44.50	32.78	-61.80	-13.00	48.80	Vertical



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Test Band = LTE Band5B_TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1200	51.07	-48.57	25.20	-67.56	-13.00	54.56	Horizontal
2	1438.8571	50.02	-48.12	25.12	-68.24	-13.00	55.24	Horizontal
3	2469.1429	46.17	-47.33	27.21	-69.20	-13.00	56.20	Horizontal
4	3596	44.95	-46.35	28.70	-67.96	-13.00	54.96	Horizontal
5	5165.7143	44.50	-45.12	31.80	-64.09	-13.00	51.09	Horizontal
6	6316	44.74	-44.63	33.71	-61.44	-13.00	48.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1200	48.54	-48.57	25.20	-70.09	-13.00	57.09	Vertical
2	1959.4286	46.33	-47.96	25.82	-71.07	-13.00	58.07	Vertical
3	2714.8571	45.95	-47.03	27.73	-68.61	-13.00	55.61	Vertical
4	3864.5714	44.46	-46.21	28.96	-68.04	-13.00	55.04	Vertical
5	5380	45.13	-45.03	32.31	-62.85	-13.00	49.85	Vertical
6	6509.1429	43.93	-44.64	34.32	-61.65	-13.00	48.65	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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t (86-512) 62992980
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