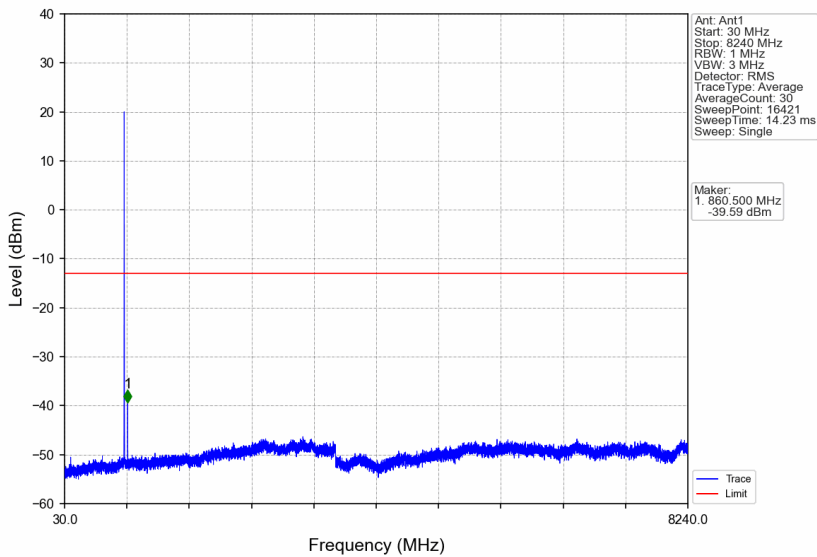
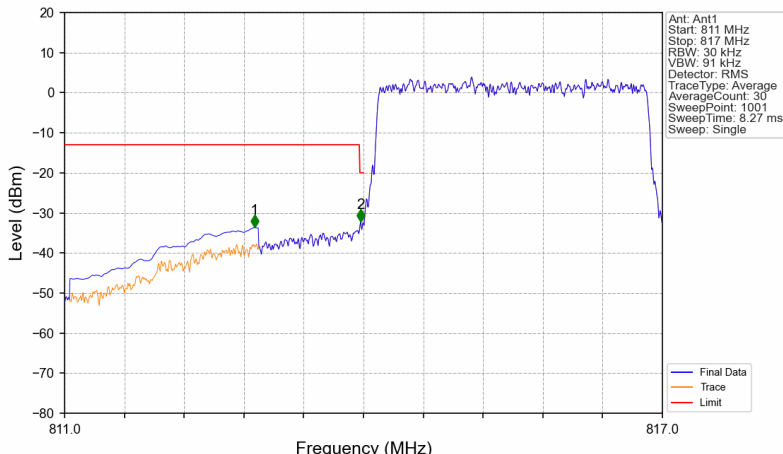


Band26a_3MHz_256QAM_LCH_815.5MHz_RB_1_0_NTNV



Band26a_3MHz_256QAM_LCH_815.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.908	-33.62	-13	Pass
813	814	0.03	/	2	813.970	-32.24	-20	Pass
814	817	0.03	/	/	/	/	/	/

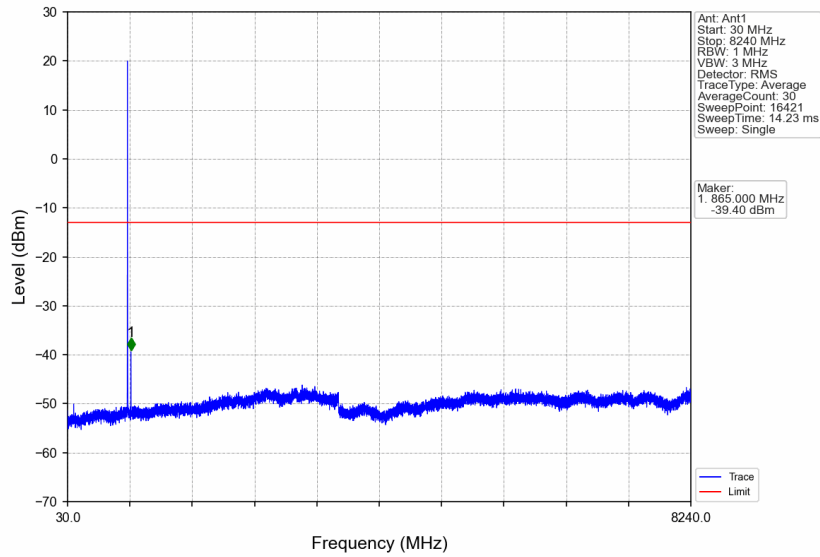


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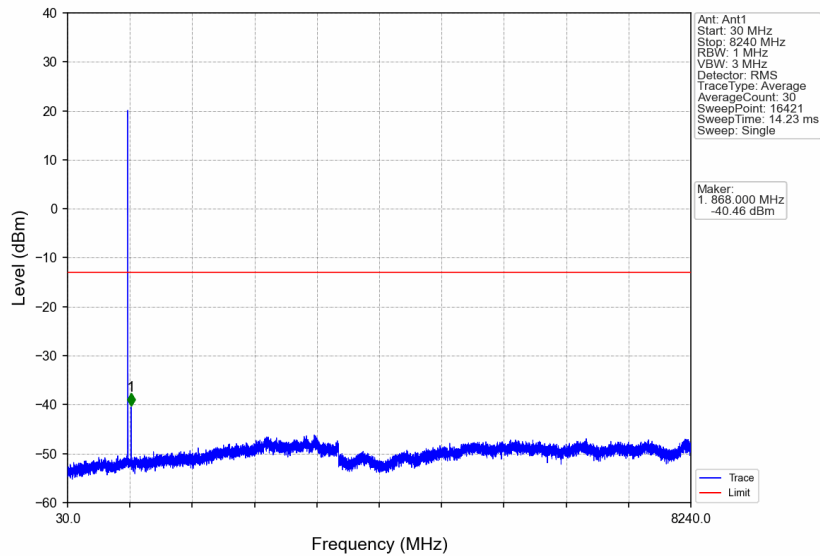
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Band26a_3MHz_256QAM_MCH_819MHz_RB_1_0_NTNV



Band26a_3MHz_256QAM_HCH_822.5MHz_RB_1_0_NTNV



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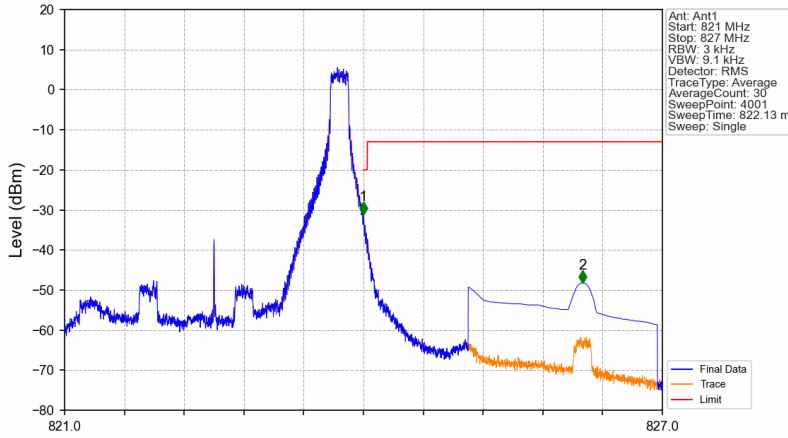
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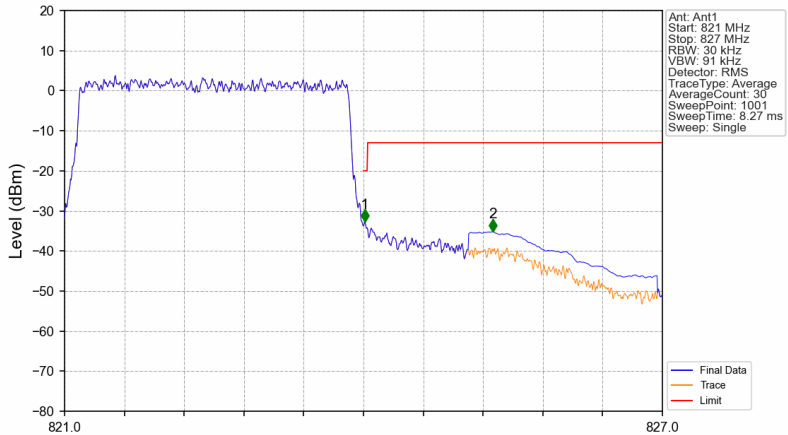
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t (86-512) 62992980 sgs.china@sgs.com

Band26a_3MHz_256QAM_HCH_822.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.000	-31.08	-20	Pass
825	827	0.1	CHP	2	826.199	-48.19	-13	Pass

Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.03	/	/	/	/	/	/
824	825	0.03	/	1	824.012	-32.81	-20	Pass
825	827	0.1	CHP	2	825.296	-35.13	-13	Pass



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Report No.: SEWM2311000456RG01
 Rev.: 01
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5.3 B26a_5MHz

5.3.1 Test Result

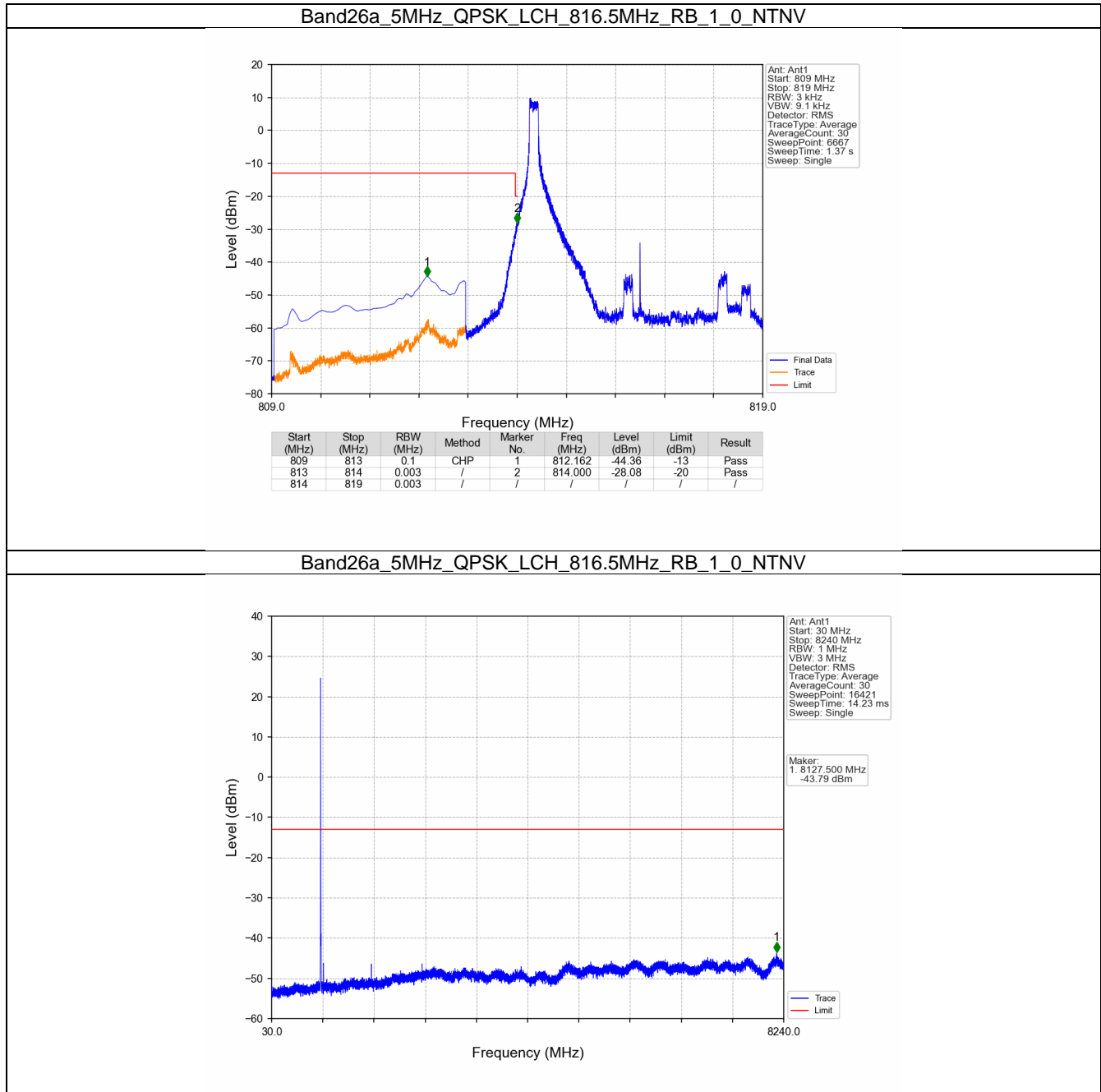
Band: 26a / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
		821.5	1	0	Refer To Test Graph	
			25	0	Refer To Test Graph	
	16QAM	816.5	1	0	Refer To Test Graph	
25			0	Refer To Test Graph		Pass
819		1	0	Refer To Test Graph		Pass
		821.5	1	0	Refer To Test Graph	
			25	0	Refer To Test Graph	
64QAM		816.5	1	0	Refer To Test Graph	
	25		0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
		821.5	1	0	Refer To Test Graph	
			25	0	Refer To Test Graph	
	256QAM	816.5	1	0	Refer To Test Graph	
25			0	Refer To Test Graph		Pass
819		1	0	Refer To Test Graph		Pass
		821.5	1	0	Refer To Test Graph	
			25	0	Refer To Test Graph	



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5.3.2 Test Graph

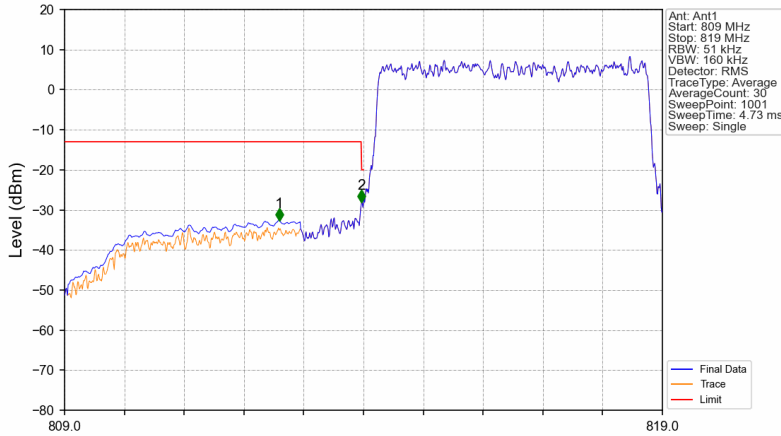


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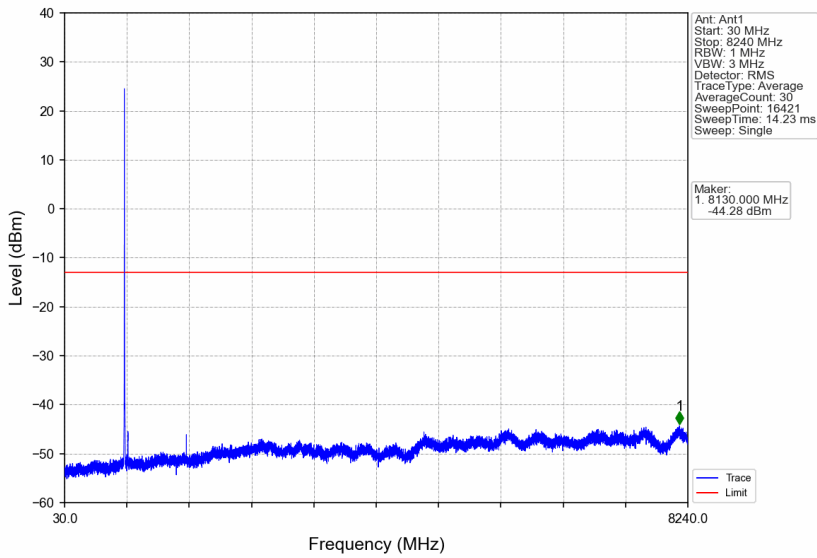
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Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.590	-32.69	-13	Pass
813	814	0.051	/	2	813.970	-28.13	-20	Pass
814	819	0.051	/	/	/	/	/	/

Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



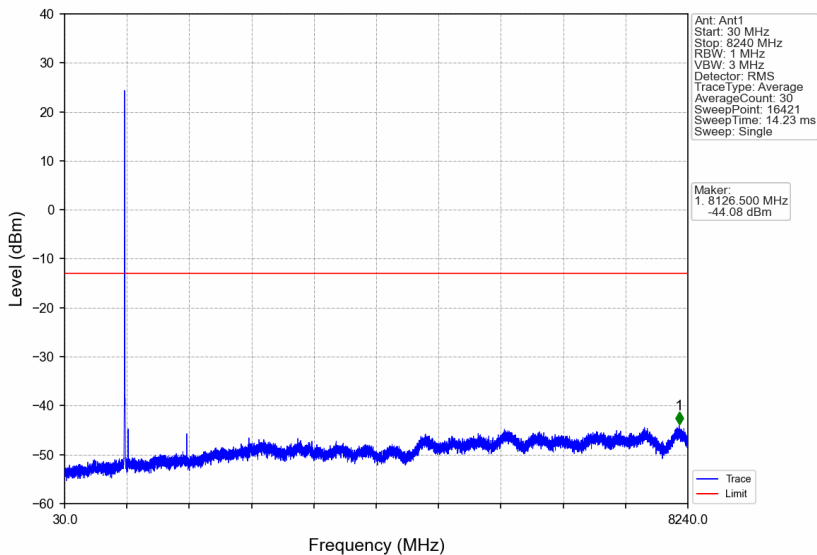
Marker:
1: 8130.000 MHz
44.28 dBm



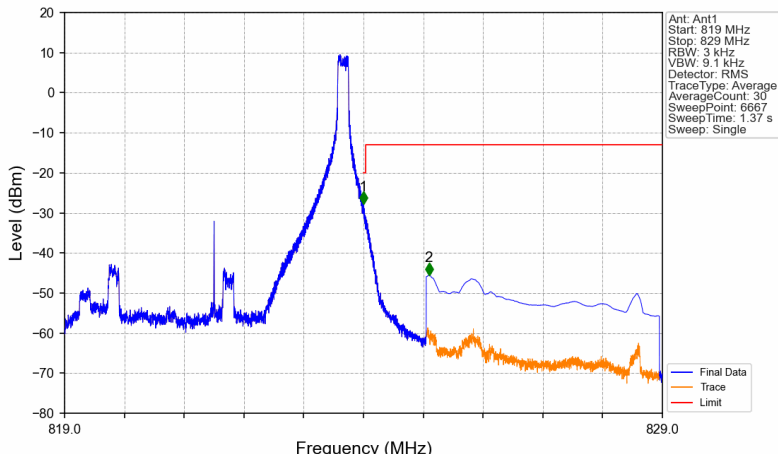
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Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.000	-27.84	-20	Pass
825	829	0.1	CHP	2	825.095	-45.54	-13	Pass



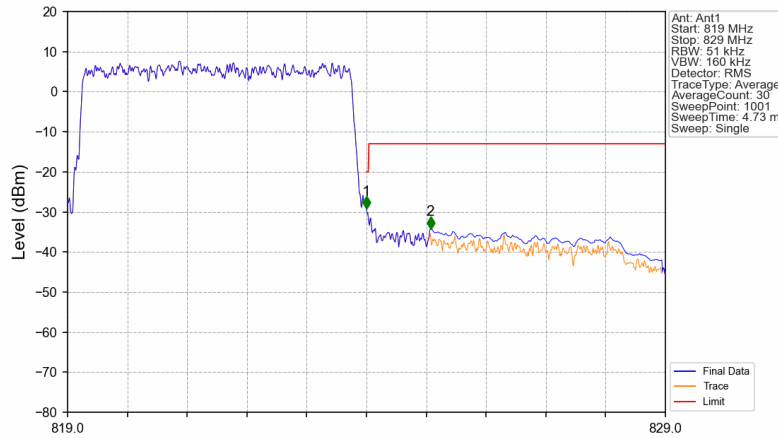
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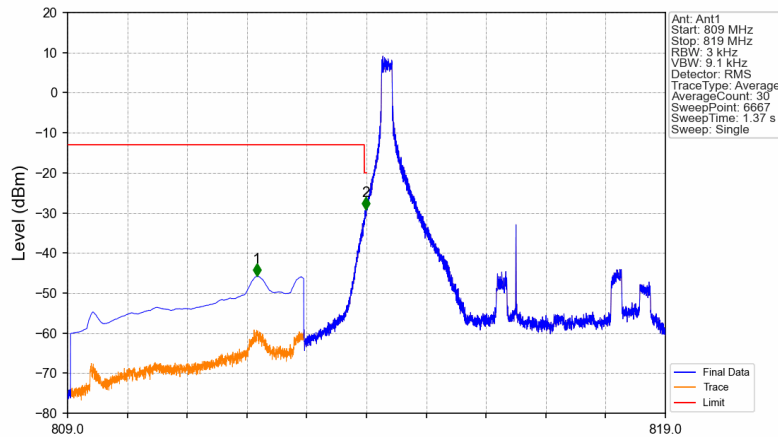
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Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	/	/	/	/	/	/
824	825	0.051	/	1	824.000	-29.23	-20	Pass
825	829	0.1	CHP	2	825.070	-34.25	-13	Pass

Band26a_5MHz_16QAM_LCH_816.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.167	-45.81	-13	Pass
813	814	0.003	/	2	813.992	-29.27	-20	Pass
814	819	0.003	/	/	/	/	/	/

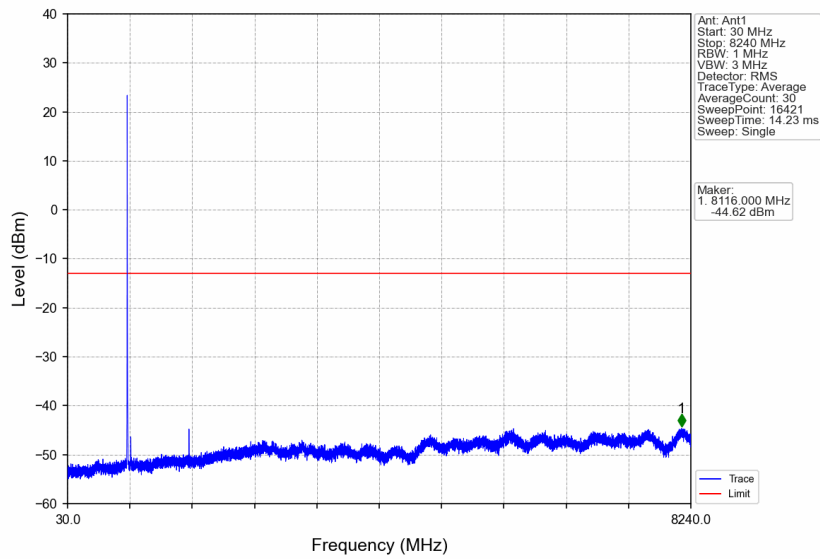


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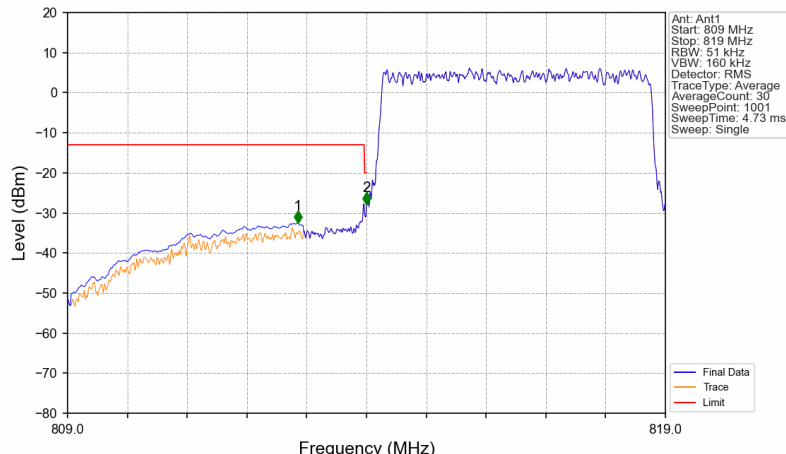
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Band26a_5MHz_16QAM_LCH_816.5MHz_RB_1_0_NTNV



Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.850	-32.58	-13	Pass
813	814	0.051	/	2	814.000	-28.03	-20	Pass
814	819	0.051	/	/	/	/	/	/

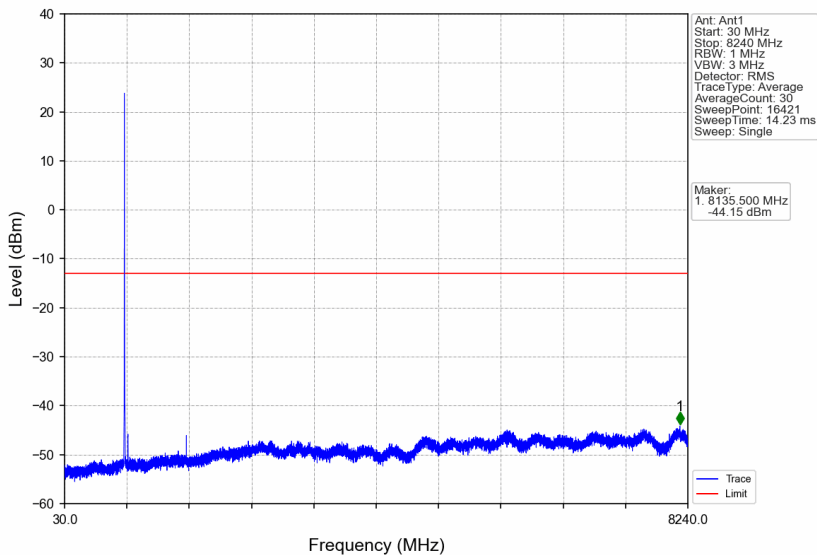


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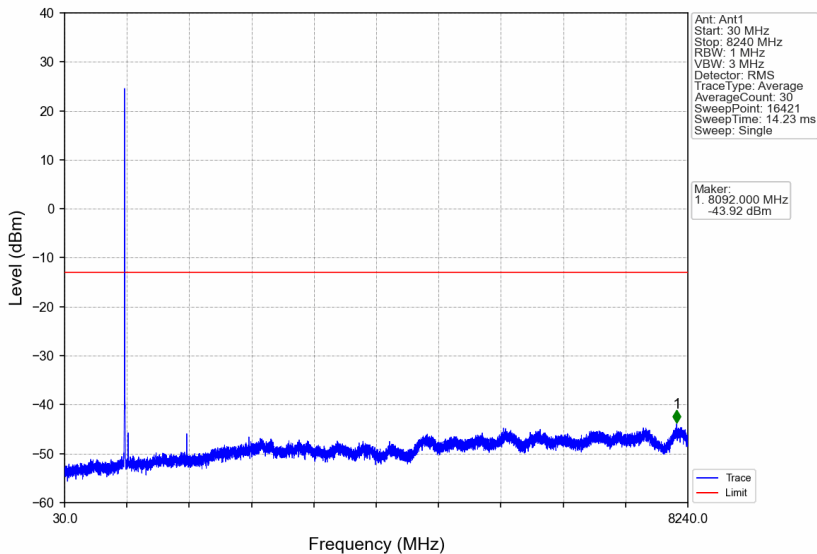
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Band26a_5MHz_16QAM_HCH_821.5MHz_RB_1_0_NTNV



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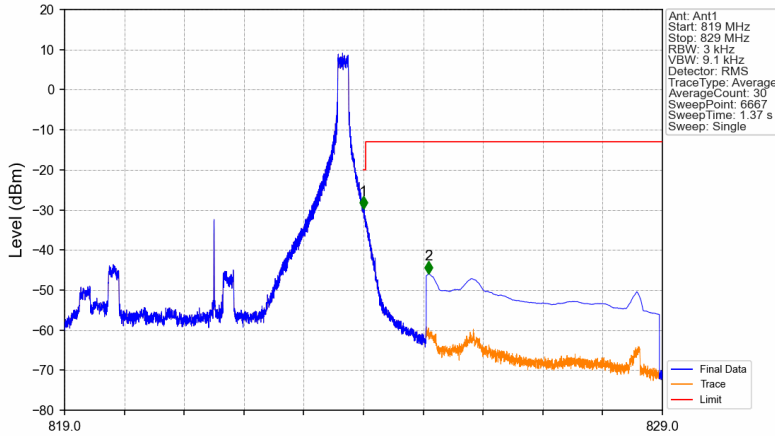
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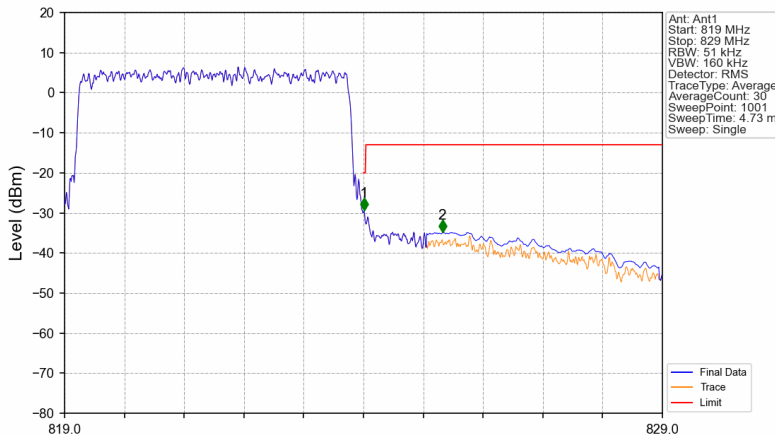
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Band26a_5MHz_16QAM_HCH_821.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.000	-29.76	-20	Pass
825	829	0.1	CHP	2	825.092	-45.90	-13	Pass

Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	/	/	/	/	/	/
824	825	0.051	/	1	824.010	-29.38	-20	Pass
825	829	0.1	CHP	2	825.320	-34.90	-13	Pass



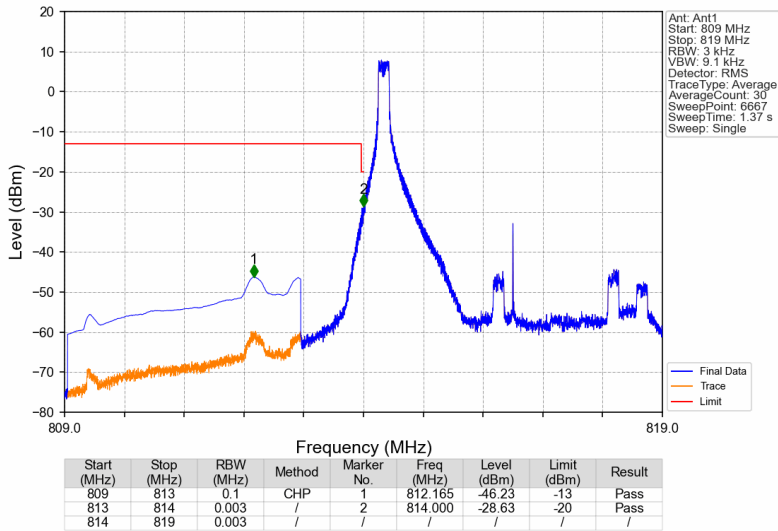
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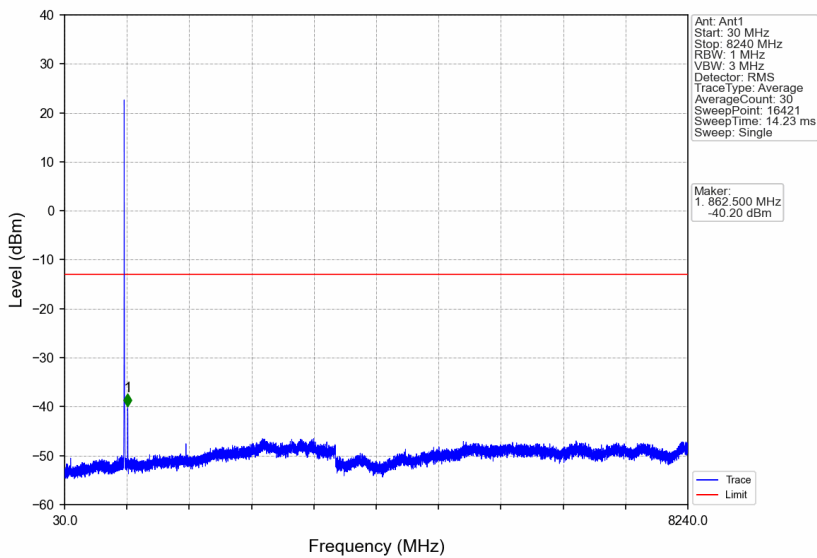
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Band26a_5MHz_64QAM_LCH_816.5MHz_RB_1_0_NTNV



Band26a_5MHz_64QAM_LCH_816.5MHz_RB_1_0_NTNV

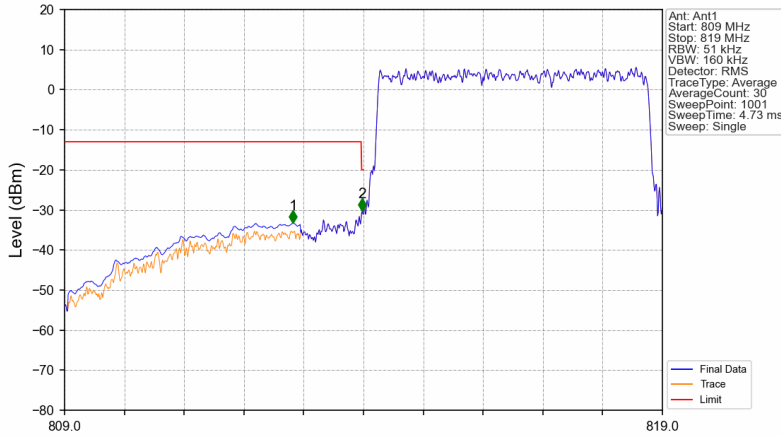


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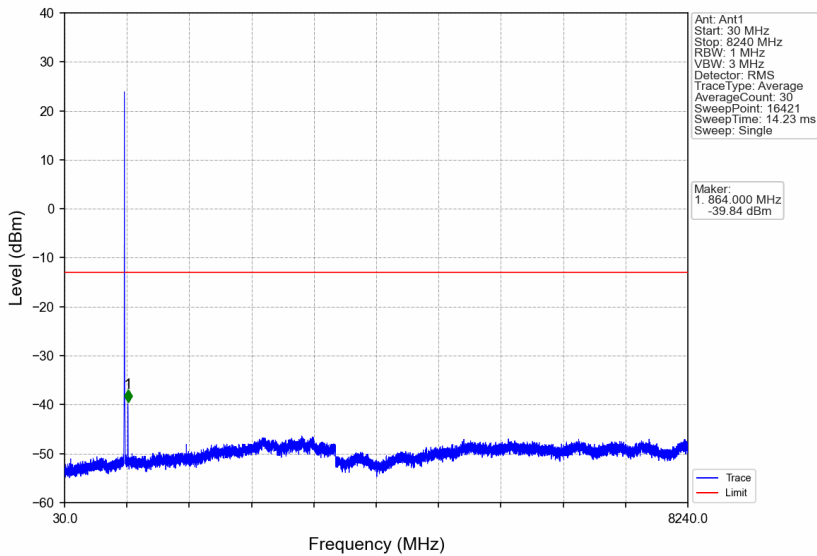
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Band26a_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.820	-33.27	-13	Pass
813	814	0.051	/	2	813.980	-30.28	-20	Pass
814	819	0.051	/	/	/	/	/	/

Band26a_5MHz_64QAM_MCH_819MHz_RB_1_0_NTNV



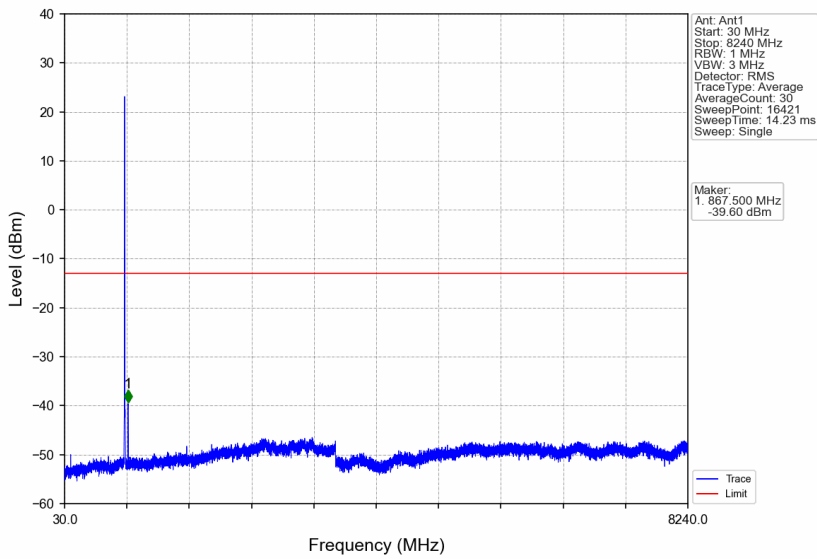
Marker:
1: 364.000 MHz
-39.84 dBm



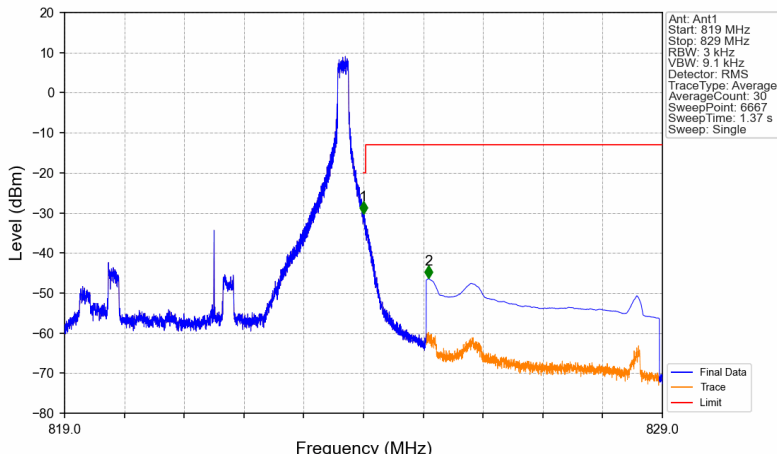
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Band26a_5MHz_64QAM_HCH_821.5MHz_RB_1_0_NTNV



Band26a_5MHz_64QAM_HCH_821.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.000	-30.30	-20	Pass
825	829	0.1	CHP	2	825.091	-46.39	-13	Pass

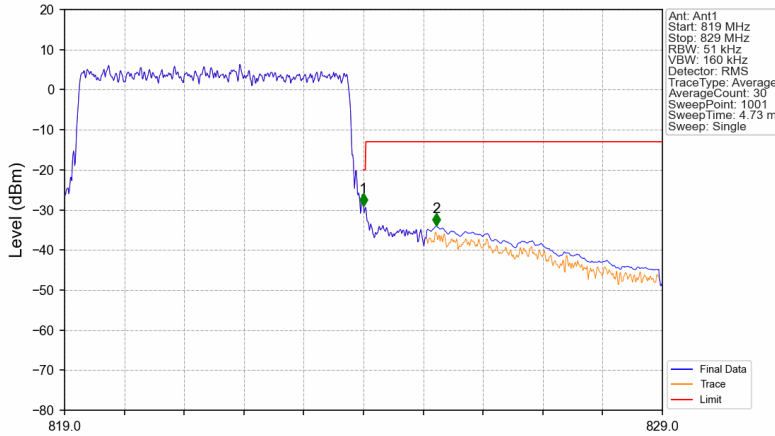


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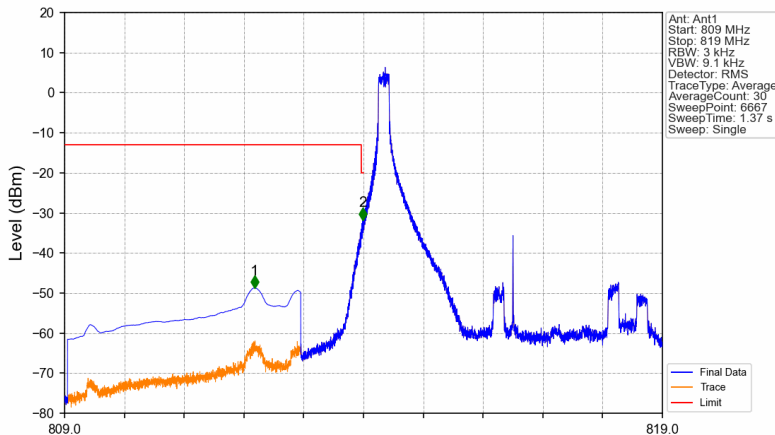
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Band26a_5MHz_64QAM_HCH_821.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	/	/	/	/	/	/
824	825	0.051	/	1	824.000	-28.99	-20	Pass
825	829	0.1	CHP	2	825.220	-34.03	-13	Pass

Band26a_5MHz_256QAM_LCH_816.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.174	-48.73	-13	Pass
813	814	0.003	/	2	813.989	-31.76	-20	Pass
814	819	0.003	/	/	/	/	/	/

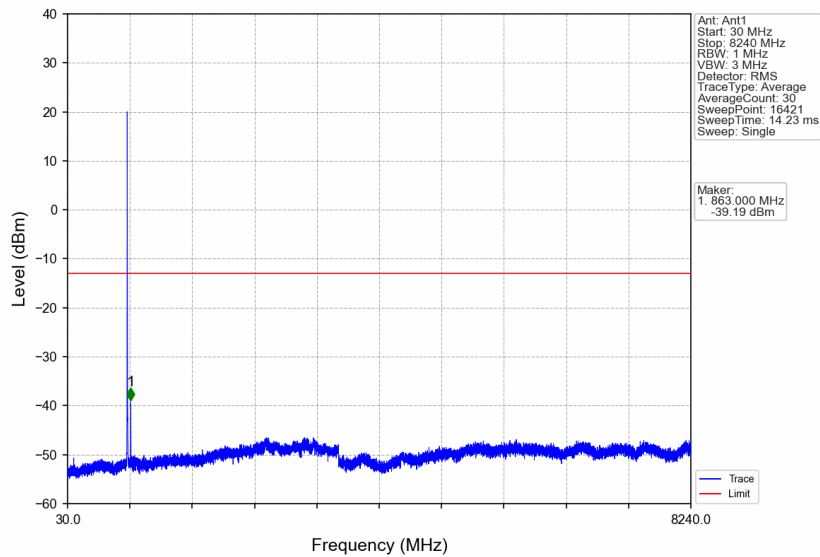


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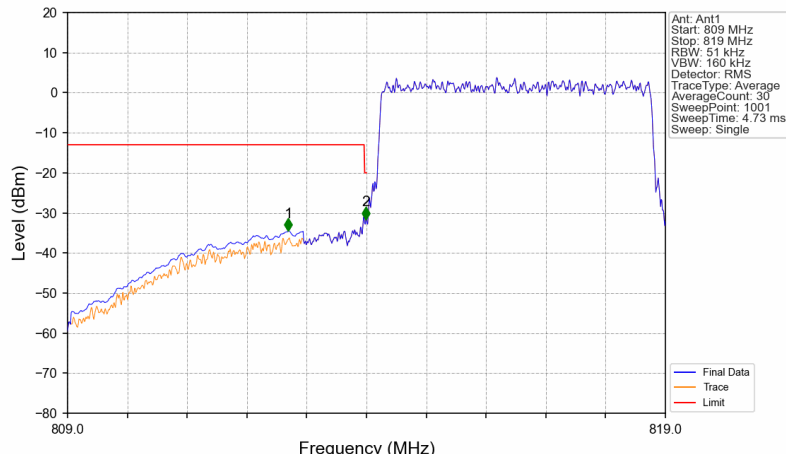
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Band26a_5MHz_256QAM_LCH_816.5MHz_RB_1_0_NTNV



Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.690	-34.49	-13	Pass
813	814	0.051	/	2	813.990	-31.61	-20	Pass
814	819	0.051	/	/	/	/	/	/



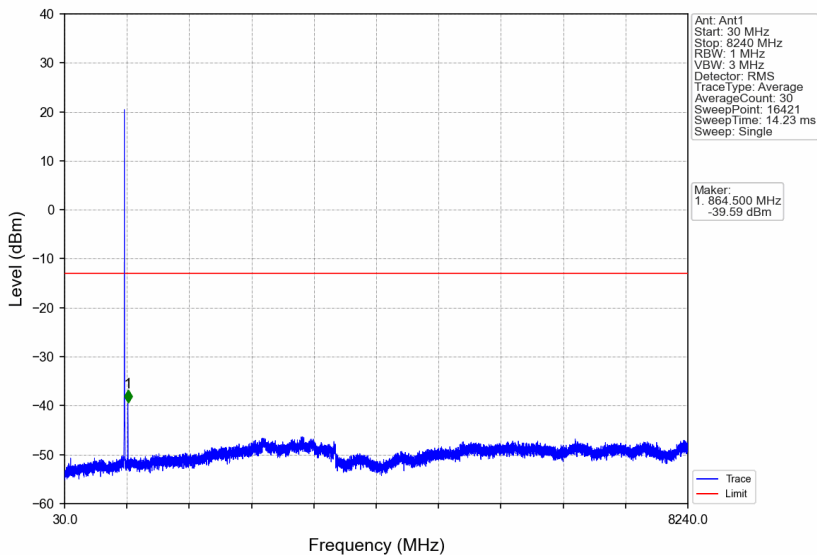
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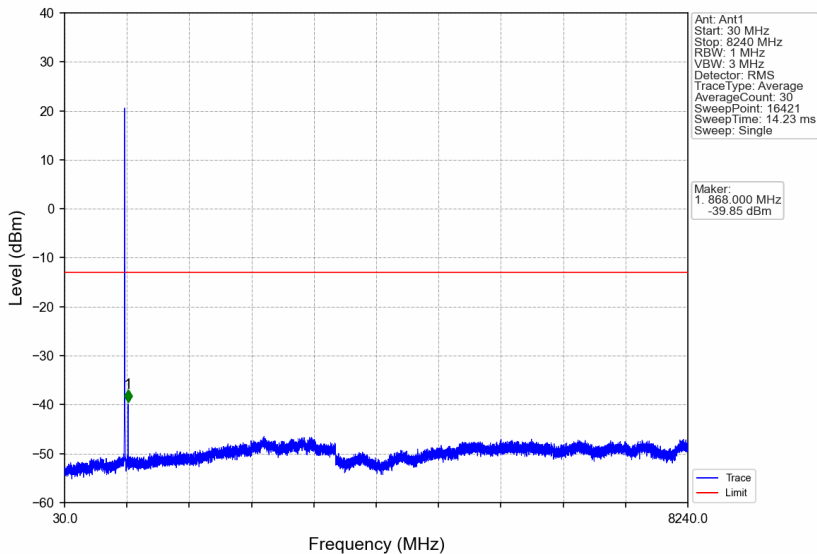
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Band26a_5MHz_256QAM_HCH_821.5MHz_RB_1_0_NTNV

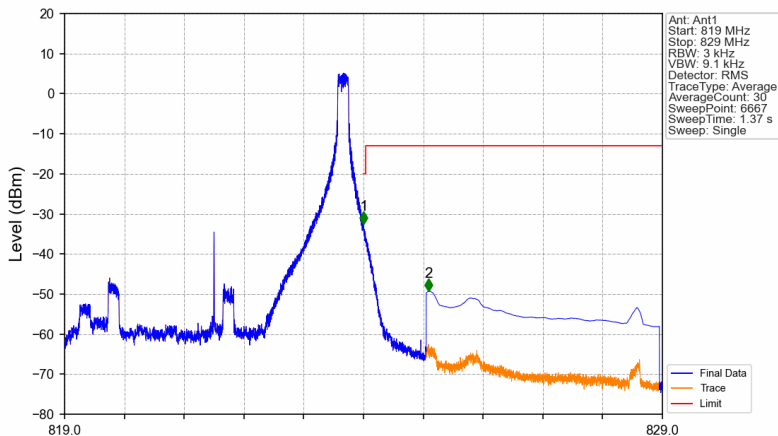


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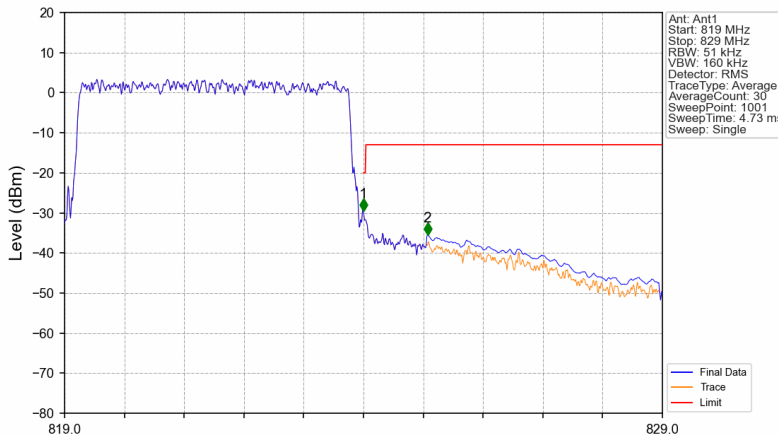
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Band26a_5MHz_256QAM_HCH_821.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.001	-32.49	-20	Pass
825	829	0.1	CHP	2	825.088	-49.23	-13	Pass

Band26a_5MHz_256QAM_HCH_821.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	/	/	/	/	/	/
824	825	0.051	/	1	824.000	-29.52	-20	Pass
825	829	0.1	CHP	2	825.070	-35.61	-13	Pass



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5.4 B26a_10MHz

5.4.1 Test Result

Band: 26a / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	819	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	819	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
256QAM	819	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



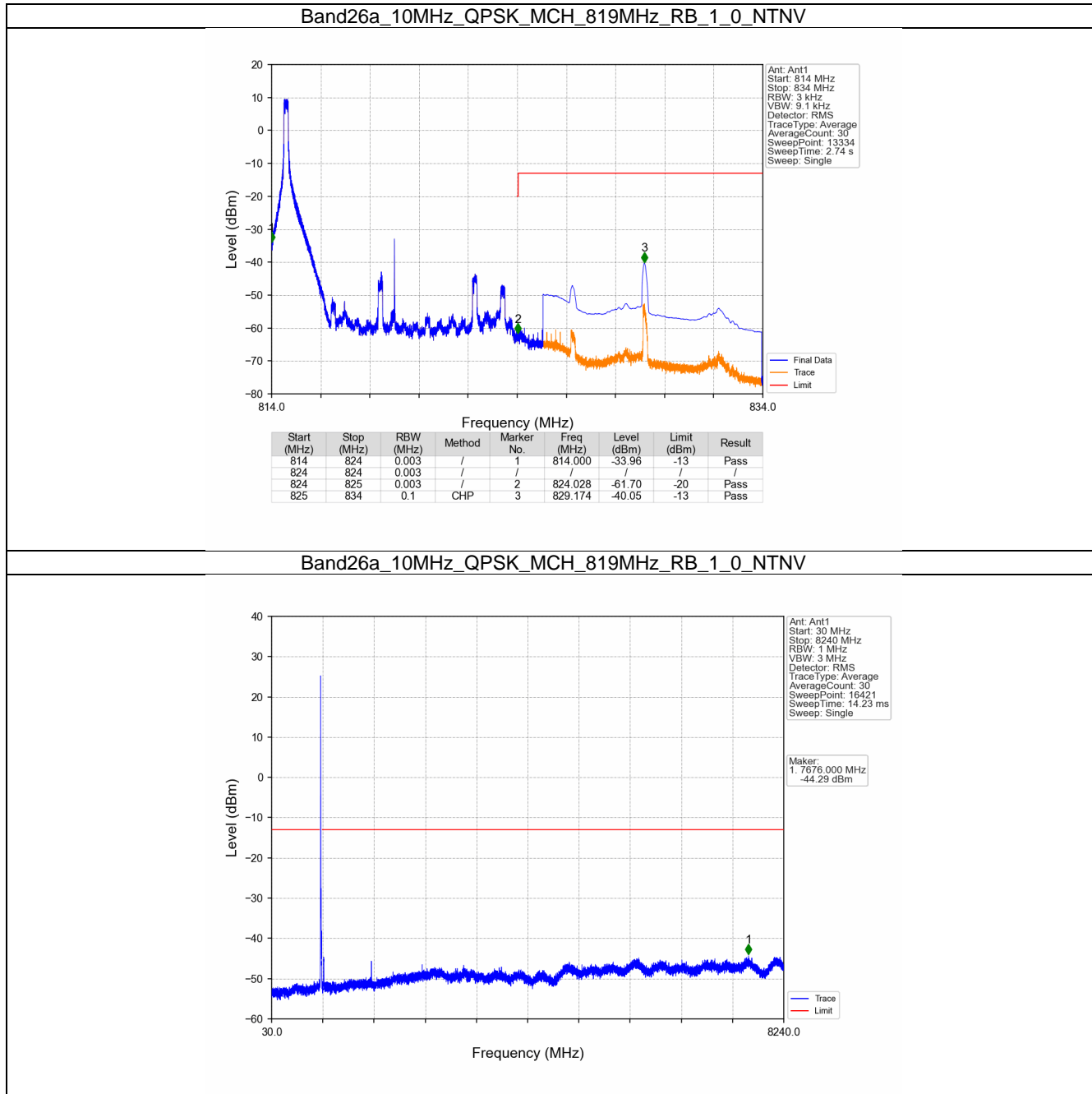
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5.4.2 Test Graph

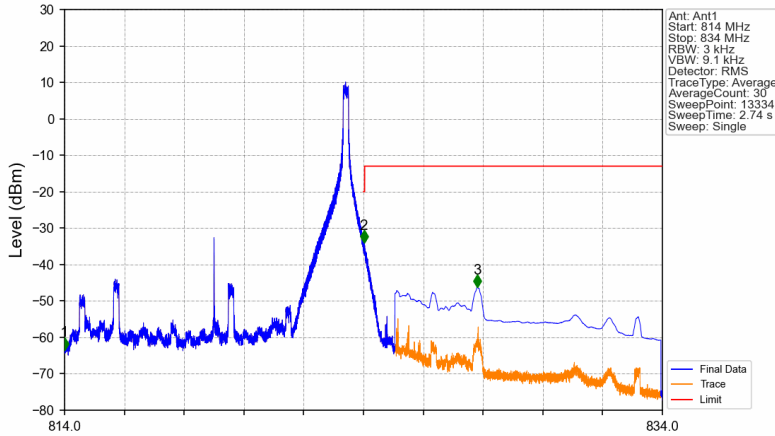


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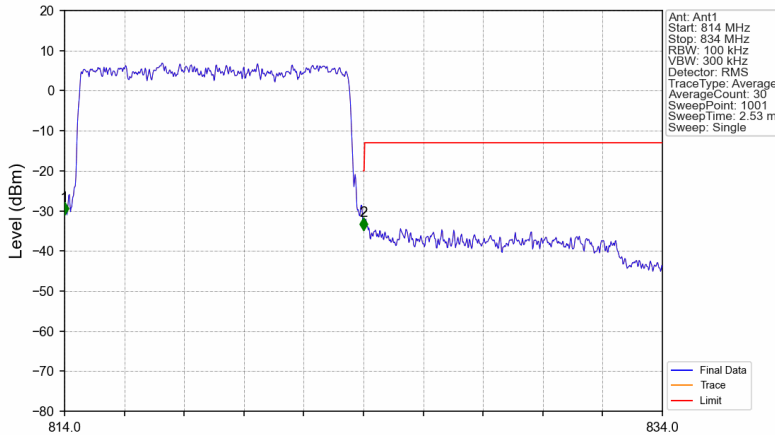
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Band26a_10MHz_QPSK_MCH_819MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-63.42	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.014	-33.96	-20	Pass
825	834	0.1	CHP	3	827.803	-46.28	-13	Pass

Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	814.000	-31.00	-13	Pass
824	824	0.1	/	/	/	/	/	/
824	834	0.1	/	2	824.000	-34.78	-20	Pass



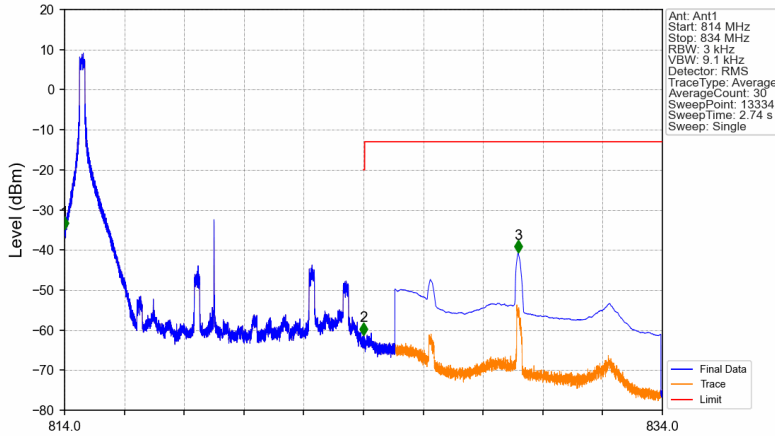
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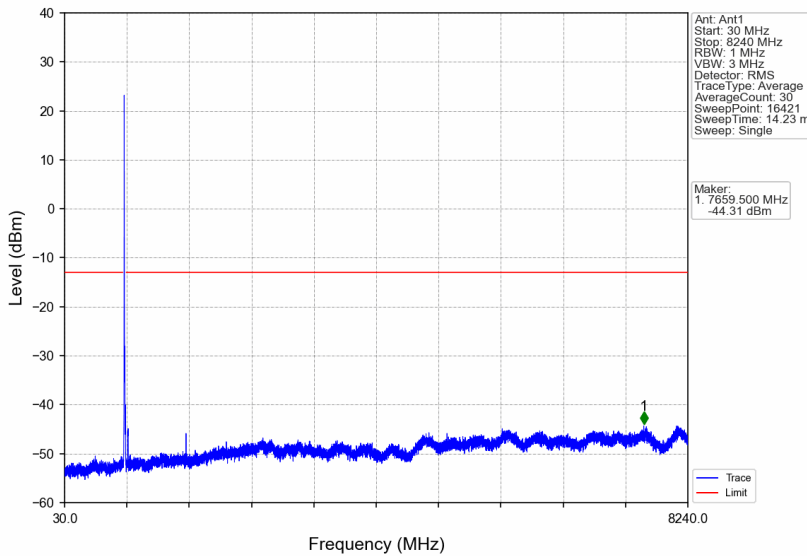
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Band26a_10MHz_16QAM_MCH_819MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-34.89	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.004	-61.21	-20	Pass
825	834	0.1	CHP	3	829.174	-40.72	-13	Pass

Band26a_10MHz_16QAM_MCH_819MHz_RB_1_0_NTNV

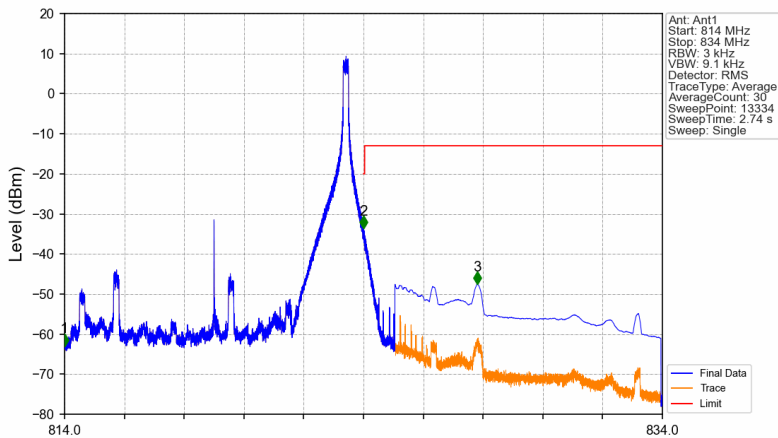


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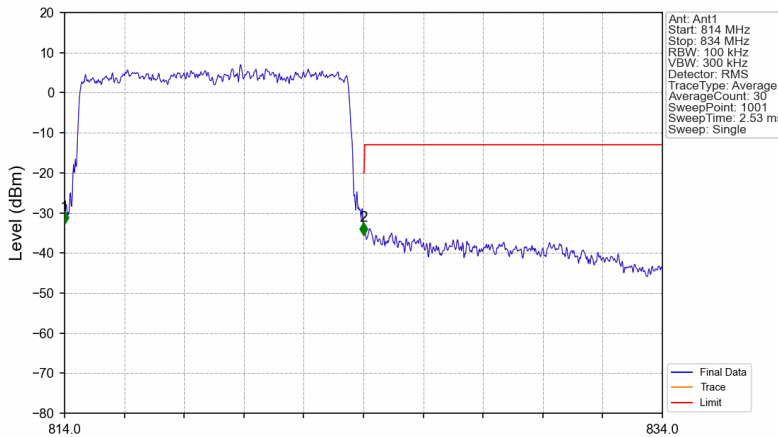
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Band26a_10MHz_16QAM_MCH_819MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-63.01	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.002	-33.68	-20	Pass
825	834	0.1	CHP	3	827.802	-47.51	-13	Pass

Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	814.000	-32.71	-13	Pass
824	824	0.1	/	/	/	/	/	/
824	834	0.1	/	2	824.000	-35.48	-20	Pass



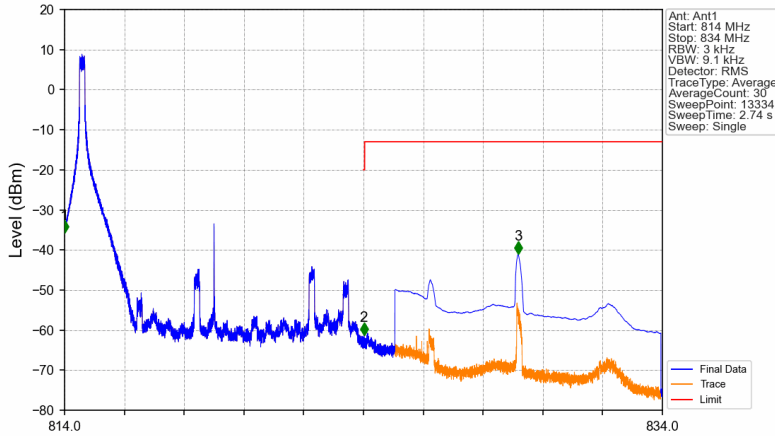
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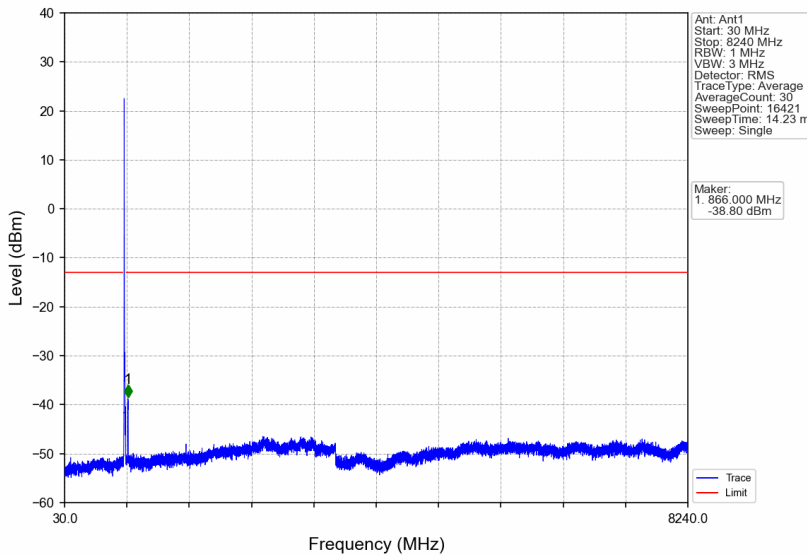
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Band26a_10MHz_64QAM_MCH_819MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-35.74	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.016	-61.23	-20	Pass
825	834	0.1	CHP	3	829.174	-40.93	-13	Pass

Band26a_10MHz_64QAM_MCH_819MHz_RB_1_0_NTNV

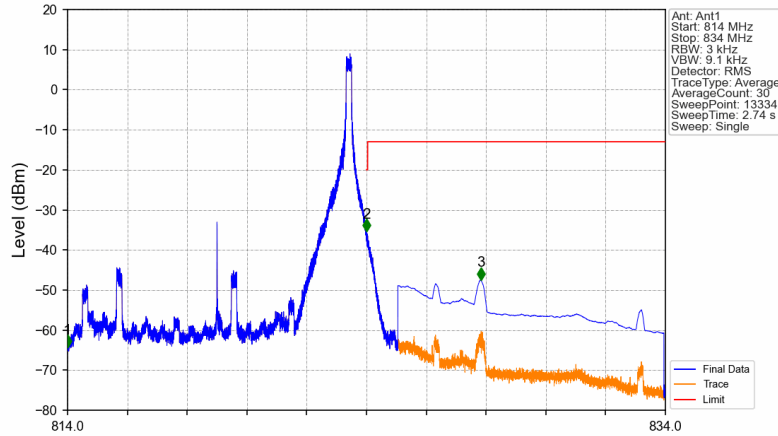


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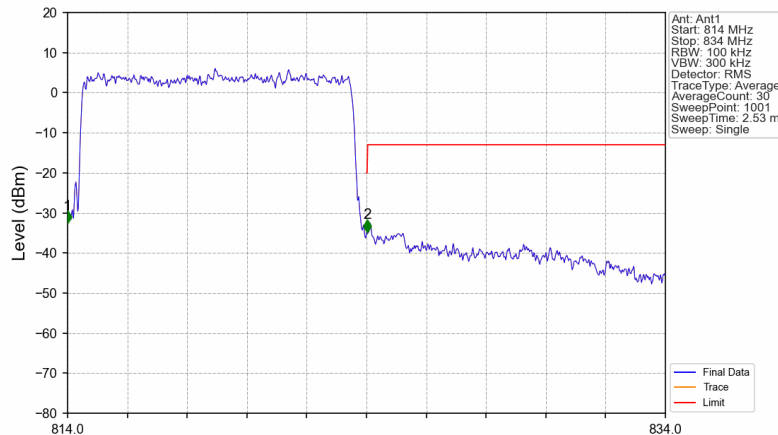
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Band26a_10MHz_64QAM_MCH_819MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-64.33	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.010	-35.35	-20	Pass
825	834	0.1	CHP	3	827.818	-47.49	-13	Pass

Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	814.000	-32.56	-13	Pass
824	824	0.1	/	/	/	/	/	/
824	834	0.1	/	2	824.020	-34.77	-20	Pass

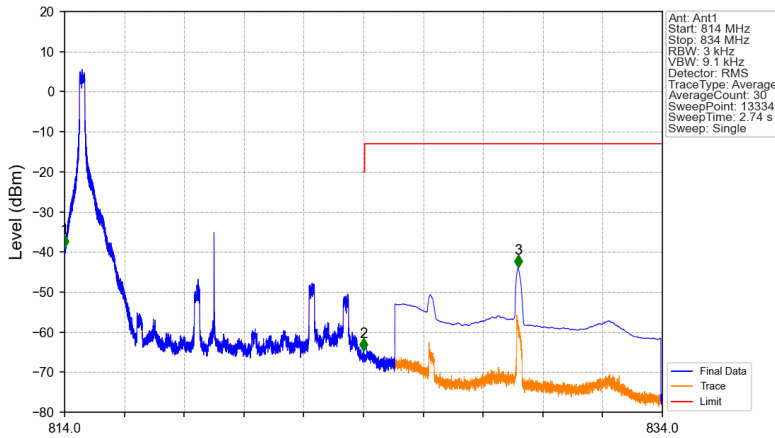


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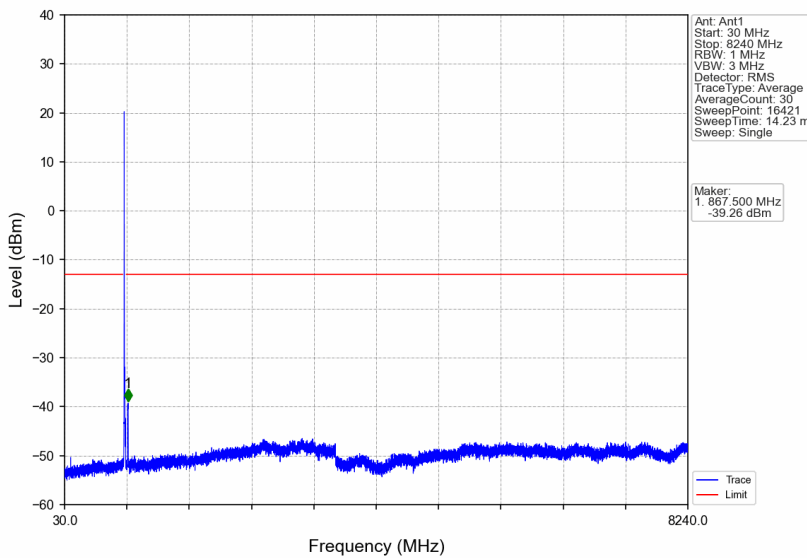
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Band26a_10MHz_256QAM_MCH_819MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-38.82	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.002	-64.64	-20	Pass
825	834	0.1	CHP	3	829.174	-43.82	-13	Pass

Band26a_10MHz_256QAM_MCH_819MHz_RB_1_0_NTNV

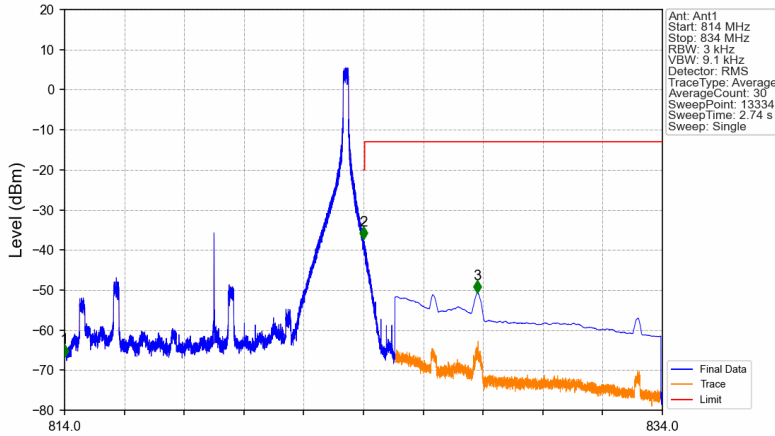


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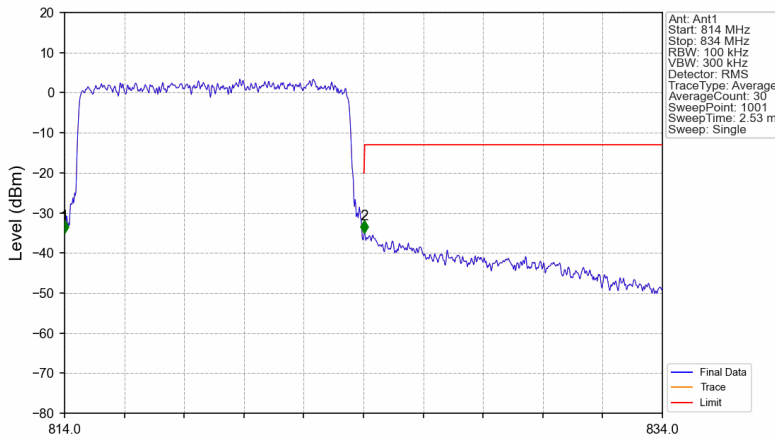
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Band26a_10MHz_256QAM_MCH_819MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-66.70	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.001	-37.34	-20	Pass
825	834	0.1	CHP	3	827.803	-50.69	-13	Pass

Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	814.000	-34.98	-13	Pass
824	824	0.1	/	/	/	/	/	/
824	834	0.1	/	2	824.020	-35.01	-20	Pass



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6. Field Strength of Spurious Radiation

Test Band = LTE Band 26 10M_ TM1
 Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1629.18	45.10	-49.87	25.22	-74.81	-13.00	61.81	Horizontal
2	2443.77	44.13	-49.22	27.23	-73.12	-13.00	60.12	Horizontal
3	3258.36	44.73	-48.63	28.60	-70.55	-13.00	57.55	Horizontal
4	4072.95	43.03	-48.28	29.53	-70.98	-13.00	57.98	Horizontal
5	4887.54	43.02	-48.15	31.23	-69.16	-13.00	56.16	Horizontal
6	5702.13	43.76	-47.50	32.74	-66.26	-13.00	53.26	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1629.18	45.38	-49.87	25.22	-74.53	-13.00	61.53	Vertical
2	2443.77	44.62	-49.22	27.23	-72.63	-13.00	59.63	Vertical
3	3258.36	44.04	-48.63	28.60	-71.24	-13.00	58.24	Vertical
4	4072.95	43.14	-48.28	29.53	-70.87	-13.00	57.87	Vertical
5	4887.54	43.21	-48.15	31.23	-68.97	-13.00	55.97	Vertical
6	5702.13	42.89	-47.50	32.74	-67.13	-13.00	54.13	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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