

Appendix L for KSCR2205000668AT-FCC-LTE-Band5

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	824.7	1	0	23.49	-2.02	19.32	<=38.45	Pass	
			2	23.56	-2.02	19.39	<=38.45	Pass	
			5	23.48	-2.02	19.31	<=38.45	Pass	
		3	0	23.61	-2.02	19.44	<=38.45	Pass	
			2	23.64	-2.02	19.47	<=38.45	Pass	
			3	23.63	-2.02	19.46	<=38.45	Pass	
	836.5	1	0	22.62	-2.02	18.45	<=38.45	Pass	
			2	23.31	-2.02	19.14	<=38.45	Pass	
			5	23.47	-2.02	19.30	<=38.45	Pass	
		3	0	23.35	-2.02	19.18	<=38.45	Pass	
			2	23.42	-2.02	19.25	<=38.45	Pass	
			3	23.45	-2.02	19.28	<=38.45	Pass	
	848.3	1	0	23.42	-2.02	19.25	<=38.45	Pass	
			2	23.42	-2.02	19.25	<=38.45	Pass	
			3	23.42	-2.02	19.25	<=38.45	Pass	
		3	0	22.41	-2.02	18.24	<=38.45	Pass	
			2	22.20	-2.02	19.03	<=38.45	Pass	
			5	23.35	-2.02	19.18	<=38.45	Pass	
	16QAM	824.7	1	0	23.26	-2.02	19.09	<=38.45	Pass
				2	23.35	-2.02	19.18	<=38.45	Pass
				5	23.26	-2.02	19.09	<=38.45	Pass
			3	0	23.35	-2.02	19.18	<=38.45	Pass
				2	23.37	-2.02	19.20	<=38.45	Pass
				3	23.31	-2.02	19.14	<=38.45	Pass
836.5		1	0	22.37	-2.02	18.20	<=38.45	Pass	
			2	22.71	-2.02	18.54	<=38.45	Pass	
			5	22.76	-2.02	18.59	<=38.45	Pass	
		3	0	22.64	-2.02	18.47	<=38.45	Pass	
			2	22.59	-2.02	18.42	<=38.45	Pass	
			3	22.63	-2.02	18.46	<=38.45	Pass	
848.3	1	0	22.65	-2.02	18.48	<=38.45	Pass		
		2	22.65	-2.02	18.48	<=38.45	Pass		
		3	22.65	-2.02	18.48	<=38.45	Pass		
	3	0	21.64	-2.02	17.47	<=38.45	Pass		
		2	22.38	-2.02	18.21	<=38.45	Pass		
		5	22.48	-2.02	18.31	<=38.45	Pass		
824.7	1	0	22.42	-2.02	18.25	<=38.45	Pass		
		2	22.53	-2.02	18.36	<=38.45	Pass		
		3	22.53	-2.02	18.36	<=38.45	Pass		
	3	0	22.52	-2.02	18.35	<=38.45	Pass		
		2	22.52	-2.02	18.35	<=38.45	Pass		
		3	22.48	-2.02	18.31	<=38.45	Pass		
836.5	1	0	22.48	-2.02	18.31	<=38.45	Pass		
		2	22.48	-2.02	18.31	<=38.45	Pass		
		3	22.48	-2.02	18.31	<=38.45	Pass		
	3	0	21.35	-2.02	17.18	<=38.45	Pass		
		2	21.35	-2.02	17.18	<=38.45	Pass		
		3	21.35	-2.02	17.18	<=38.45	Pass		
848.3	1	0	22.21	-2.02	18.04	<=38.45	Pass		
		2	22.31	-2.02	18.14	<=38.45	Pass		
		5	22.19	-2.02	18.02	<=38.45	Pass		
	3	0	22.51	-2.02	18.34	<=38.45	Pass		
		2	22.54	-2.02	18.37	<=38.45	Pass		
		3	22.48	-2.02	18.31	<=38.45	Pass		

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64QAM	824.7	6	0	21.34	-2.02	17.17	<=38.45	Pass	
			1	0	21.62	-2.02	17.45	<=38.45	Pass
				2	21.74	-2.02	17.57	<=38.45	Pass
		3	5	21.57	-2.02	17.40	<=38.45	Pass	
			0	21.82	-2.02	17.65	<=38.45	Pass	
			2	21.87	-2.02	17.70	<=38.45	Pass	
		6	3	21.83	-2.02	17.66	<=38.45	Pass	
			0	20.83	-2.02	16.66	<=38.45	Pass	
			0	21.24	-2.02	17.07	<=38.45	Pass	
	836.5	1	2	21.32	-2.02	17.15	<=38.45	Pass	
			5	21.24	-2.02	17.07	<=38.45	Pass	
			0	21.39	-2.02	17.22	<=38.45	Pass	
		3	2	21.43	-2.02	17.26	<=38.45	Pass	
			3	21.38	-2.02	17.21	<=38.45	Pass	
			0	20.48	-2.02	16.31	<=38.45	Pass	
		848.3	1	0	21.57	-2.02	17.40	<=38.45	Pass
				2	21.72	-2.02	17.55	<=38.45	Pass
				5	21.55	-2.02	17.38	<=38.45	Pass
	3		0	21.55	-2.02	17.38	<=38.45	Pass	
			2	21.56	-2.02	17.39	<=38.45	Pass	
			3	21.53	-2.02	17.36	<=38.45	Pass	
	6		0	20.36	-2.02	16.19	<=38.45	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B5_3MHz_ERP

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	825.5	1	0	23.56	-2.02	19.39	<=38.45	Pass	
			7	23.68	-2.02	19.51	<=38.45	Pass	
			14	23.49	-2.02	19.32	<=38.45	Pass	
		8	0	22.62	-2.02	18.45	<=38.45	Pass	
			4	22.63	-2.02	18.46	<=38.45	Pass	
			7	22.55	-2.02	18.38	<=38.45	Pass	
		15	0	22.58	-2.02	18.41	<=38.45	Pass	
		836.5	1	0	23.35	-2.02	19.18	<=38.45	Pass
				7	23.52	-2.02	19.35	<=38.45	Pass
	14			23.32	-2.02	19.15	<=38.45	Pass	
	8		0	22.41	-2.02	18.24	<=38.45	Pass	
			4	22.44	-2.02	18.27	<=38.45	Pass	
			7	22.40	-2.02	18.23	<=38.45	Pass	
	15		0	22.40	-2.02	18.23	<=38.45	Pass	
	847.5		1	0	23.34	-2.02	19.17	<=38.45	Pass
				7	23.47	-2.02	19.30	<=38.45	Pass
		14		23.40	-2.02	19.23	<=38.45	Pass	
		8	0	22.37	-2.02	18.20	<=38.45	Pass	
			4	22.42	-2.02	18.25	<=38.45	Pass	
			7	22.31	-2.02	18.14	<=38.45	Pass	
		15	0	22.33	-2.02	18.16	<=38.45	Pass	

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16QAM	825.5	1	0	23.09	-2.02	18.92	<=38.45	Pass	
			7	23.25	-2.02	19.08	<=38.45	Pass	
			14	23.05	-2.02	18.88	<=38.45	Pass	
		8	0	21.77	-2.02	17.60	<=38.45	Pass	
			4	21.81	-2.02	17.64	<=38.45	Pass	
			7	21.74	-2.02	17.57	<=38.45	Pass	
	15	0	21.67	-2.02	17.50	<=38.45	Pass		
	836.5	1	0	22.59	-2.02	18.42	<=38.45	Pass	
			7	22.73	-2.02	18.56	<=38.45	Pass	
			14	22.53	-2.02	18.36	<=38.45	Pass	
		8	0	21.39	-2.02	17.22	<=38.45	Pass	
			4	21.43	-2.02	17.26	<=38.45	Pass	
			7	21.38	-2.02	17.21	<=38.45	Pass	
	15	0	21.36	-2.02	17.19	<=38.45	Pass		
	847.5	1	0	22.37	-2.02	18.20	<=38.45	Pass	
			7	22.48	-2.02	18.31	<=38.45	Pass	
			14	22.31	-2.02	18.14	<=38.45	Pass	
		8	0	21.42	-2.02	17.25	<=38.45	Pass	
			4	21.47	-2.02	17.30	<=38.45	Pass	
			7	21.35	-2.02	17.18	<=38.45	Pass	
	15	0	21.40	-2.02	17.23	<=38.45	Pass		
	64QAM	825.5	1	0	21.80	-2.02	17.63	<=38.45	Pass
				7	21.95	-2.02	17.78	<=38.45	Pass
				14	21.77	-2.02	17.60	<=38.45	Pass
8			0	20.76	-2.02	16.59	<=38.45	Pass	
			4	20.75	-2.02	16.58	<=38.45	Pass	
			7	20.71	-2.02	16.54	<=38.45	Pass	
15		0	20.60	-2.02	16.43	<=38.45	Pass		
836.5		1	0	21.49	-2.02	17.32	<=38.45	Pass	
			7	21.64	-2.02	17.47	<=38.45	Pass	
			14	21.47	-2.02	17.30	<=38.45	Pass	
		8	0	20.31	-2.02	16.14	<=38.45	Pass	
			4	20.34	-2.02	16.17	<=38.45	Pass	
			7	20.29	-2.02	16.12	<=38.45	Pass	
15		0	20.53	-2.02	16.36	<=38.45	Pass		
847.5		1	0	21.24	-2.02	17.07	<=38.45	Pass	
			7	21.35	-2.02	17.18	<=38.45	Pass	
			14	21.10	-2.02	16.93	<=38.45	Pass	
		8	0	20.37	-2.02	16.20	<=38.45	Pass	
			4	20.41	-2.02	16.24	<=38.45	Pass	
			7	20.32	-2.02	16.15	<=38.45	Pass	
15		0	20.36	-2.02	16.19	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.44	-2.02	19.27	<=38.45	Pass



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	836.5	12	13	23.58	-2.02	19.41	<=38.45	Pass		
			24	23.42	-2.02	19.25	<=38.45	Pass		
			0	22.66	-2.02	18.49	<=38.45	Pass		
		12	6	22.65	-2.02	18.48	<=38.45	Pass		
			13	22.57	-2.02	18.40	<=38.45	Pass		
			25	0	22.58	-2.02	18.41	<=38.45	Pass	
		1	0	23.30	-2.02	19.13	<=38.45	Pass		
			13	23.41	-2.02	19.24	<=38.45	Pass		
			24	23.23	-2.02	19.06	<=38.45	Pass		
		12	0	22.36	-2.02	18.19	<=38.45	Pass		
			6	22.46	-2.02	18.29	<=38.45	Pass		
			13	22.41	-2.02	18.24	<=38.45	Pass		
	25	0	22.38	-2.02	18.21	<=38.45	Pass			
	846.5	1	0	23.26	-2.02	19.09	<=38.45	Pass		
			13	23.36	-2.02	19.19	<=38.45	Pass		
			24	23.22	-2.02	19.05	<=38.45	Pass		
		12	0	22.37	-2.02	18.20	<=38.45	Pass		
			6	22.42	-2.02	18.25	<=38.45	Pass		
			13	22.18	-2.02	18.01	<=38.45	Pass		
		25	0	22.28	-2.02	18.11	<=38.45	Pass		
		16QAM	826.5	1	0	22.37	-2.02	18.20	<=38.45	Pass
					13	22.50	-2.02	18.33	<=38.45	Pass
					24	22.34	-2.02	18.17	<=38.45	Pass
				12	0	21.61	-2.02	17.44	<=38.45	Pass
6					21.65	-2.02	17.48	<=38.45	Pass	
13	21.54				-2.02	17.37	<=38.45	Pass		
25	0			21.62	-2.02	17.45	<=38.45	Pass		
1	0			22.63	-2.02	18.46	<=38.45	Pass		
	13			22.72	-2.02	18.55	<=38.45	Pass		
	24			22.53	-2.02	18.36	<=38.45	Pass		
12	0			21.37	-2.02	17.20	<=38.45	Pass		
	6			21.49	-2.02	17.32	<=38.45	Pass		
	13		21.43	-2.02	17.26	<=38.45	Pass			
25	0		21.36	-2.02	17.19	<=38.45	Pass			
846.5	1		0	22.43	-2.02	18.26	<=38.45	Pass		
			13	22.49	-2.02	18.32	<=38.45	Pass		
			24	22.29	-2.02	18.12	<=38.45	Pass		
	12		0	21.32	-2.02	17.15	<=38.45	Pass		
			6	21.41	-2.02	17.24	<=38.45	Pass		
			13	21.20	-2.02	17.03	<=38.45	Pass		
	25		0	21.34	-2.02	17.17	<=38.45	Pass		
	64QAM		826.5	1	0	21.47	-2.02	17.30	<=38.45	Pass
					13	21.58	-2.02	17.41	<=38.45	Pass
					24	21.44	-2.02	17.27	<=38.45	Pass
		12		0	20.58	-2.02	16.41	<=38.45	Pass	
				6	20.60	-2.02	16.43	<=38.45	Pass	
13				20.51	-2.02	16.34	<=38.45	Pass		
25		0		20.64	-2.02	16.47	<=38.45	Pass		
836.5		1		0	21.51	-2.02	17.34	<=38.45	Pass	
				13	21.60	-2.02	17.43	<=38.45	Pass	
				24	21.41	-2.02	17.24	<=38.45	Pass	
		12		0	20.35	-2.02	16.18	<=38.45	Pass	
				6	20.42	-2.02	16.25	<=38.45	Pass	
			13	20.38	-2.02	16.21	<=38.45	Pass		



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	846.5	25	0	20.40	-2.02	16.23	<=38.45	Pass
		1	0	21.47	-2.02	17.30	<=38.45	Pass
			13	21.56	-2.02	17.39	<=38.45	Pass
			24	21.37	-2.02	17.20	<=38.45	Pass
			0	20.48	-2.02	16.31	<=38.45	Pass
		12	6	20.53	-2.02	16.36	<=38.45	Pass
			13	20.31	-2.02	16.14	<=38.45	Pass
			25	0	20.31	-2.02	16.14	<=38.45

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B5_10MHz_ERP

1.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	829	1	0	23.50	-2.02	19.33	<=38.45	Pass		
			25	23.66	-2.02	19.49	<=38.45	Pass		
			49	23.35	-2.02	19.18	<=38.45	Pass		
		25	0	22.63	-2.02	18.46	<=38.45	Pass		
			13	22.54	-2.02	18.37	<=38.45	Pass		
			25	22.61	-2.02	18.44	<=38.45	Pass		
		50	0	22.63	-2.02	18.46	<=38.45	Pass		
		836.5	1	0	23.41	-2.02	19.24	<=38.45	Pass	
				25	23.50	-2.02	19.33	<=38.45	Pass	
	49			23.31	-2.02	19.14	<=38.45	Pass		
	25		0	22.32	-2.02	18.15	<=38.45	Pass		
			13	22.42	-2.02	18.25	<=38.45	Pass		
			25	22.39	-2.02	18.22	<=38.45	Pass		
	50	0	22.36	-2.02	18.19	<=38.45	Pass			
	844	1	0	23.32	-2.02	19.15	<=38.45	Pass		
			25	23.46	-2.02	19.29	<=38.45	Pass		
			49	23.32	-2.02	19.15	<=38.45	Pass		
		25	0	22.52	-2.02	18.35	<=38.45	Pass		
			13	22.43	-2.02	18.26	<=38.45	Pass		
			25	22.30	-2.02	18.13	<=38.45	Pass		
		50	0	22.44	-2.02	18.27	<=38.45	Pass		
		16QAM	829	1	0	23.01	-2.02	18.84	<=38.45	Pass
					25	23.24	-2.02	19.07	<=38.45	Pass
	49				23.01	-2.02	18.84	<=38.45	Pass	
25	0			21.69	-2.02	17.52	<=38.45	Pass		
	13			21.63	-2.02	17.46	<=38.45	Pass		
	25			21.67	-2.02	17.50	<=38.45	Pass		
50	0		21.65	-2.02	17.48	<=38.45	Pass			
836.5	1		0	22.63	-2.02	18.46	<=38.45	Pass		
			25	22.73	-2.02	18.56	<=38.45	Pass		
			49	22.52	-2.02	18.35	<=38.45	Pass		
	25		0	21.38	-2.02	17.21	<=38.45	Pass		
			13	21.44	-2.02	17.27	<=38.45	Pass		
			25	21.41	-2.02	17.24	<=38.45	Pass		
50	0		21.35	-2.02	17.18	<=38.45	Pass			

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64QAM	844	1	0	22.37	-2.02	18.20	<=38.45	Pass		
			25	22.48	-2.02	18.31	<=38.45	Pass		
			49	22.30	-2.02	18.13	<=38.45	Pass		
		25	0	21.63	-2.02	17.46	<=38.45	Pass		
			13	21.53	-2.02	17.36	<=38.45	Pass		
			25	21.41	-2.02	17.24	<=38.45	Pass		
	50	0	21.44	-2.02	17.27	<=38.45	Pass			
	829	1	0	0	21.74	-2.02	17.57	<=38.45	Pass	
				25	21.85	-2.02	17.68	<=38.45	Pass	
				49	21.65	-2.02	17.48	<=38.45	Pass	
			25	0	20.70	-2.02	16.53	<=38.45	Pass	
				13	20.62	-2.02	16.45	<=38.45	Pass	
				25	20.63	-2.02	16.46	<=38.45	Pass	
		50	0	20.66	-2.02	16.49	<=38.45	Pass		
		836.5	1	0	0	21.54	-2.02	17.37	<=38.45	Pass
25					21.64	-2.02	17.47	<=38.45	Pass	
49					21.41	-2.02	17.24	<=38.45	Pass	
25			0	20.45	-2.02	16.28	<=38.45	Pass		
			13	20.52	-2.02	16.35	<=38.45	Pass		
			25	20.48	-2.02	16.31	<=38.45	Pass		
50			0	20.38	-2.02	16.21	<=38.45	Pass		
844			1	0	0	21.20	-2.02	17.03	<=38.45	Pass
					25	21.38	-2.02	17.21	<=38.45	Pass
		49			21.12	-2.02	16.95	<=38.45	Pass	
		25	0	20.63	-2.02	16.46	<=38.45	Pass		
	13		20.49	-2.02	16.32	<=38.45	Pass			
	25		20.39	-2.02	16.22	<=38.45	Pass			
	50	0	20.48	-2.02	16.31	<=38.45	Pass			

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	824.7	6	0	20	3.46	-9.257	-0.0112	-2.5 to 2.5	Pass	
					3.8	-9.023	-0.0109	-2.5 to 2.5	Pass	
					4.35	-2.298	-0.0028	-2.5 to 2.5	Pass	
				-30	3.8	-6.300	-0.0076	-2.5 to 2.5	Pass	
					-20	3.8	-9.783	-0.0119	-2.5 to 2.5	Pass
					-10	3.8	-5.459	-0.0066	-2.5 to 2.5	Pass
				0	3.8	-9.507	-0.0115	-2.5 to 2.5	Pass	
					10	3.8	-9.740	-0.0118	-2.5 to 2.5	Pass
					30	3.8	-3.103	-0.0038	-2.5 to 2.5	Pass
				40	3.8	-4.206	-0.0051	-2.5 to 2.5	Pass	
					50	3.8	-2.332	-0.0028	-2.5 to 2.5	Pass
				836.5	6	0	20	3.46	-5.776	-0.0069



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					3.8	-7.199	-0.0086	-2.5 to 2.5	Pass	
					4.35	-4.380	-0.0052	-2.5 to 2.5	Pass	
				-30	3.8	-6.881	-0.0082	-2.5 to 2.5	Pass	
				-20	3.8	-5.277	-0.0063	-2.5 to 2.5	Pass	
				-10	3.8	-4.591	-0.0055	-2.5 to 2.5	Pass	
				0	3.8	-2.505	-0.0030	-2.5 to 2.5	Pass	
				10	3.8	-1.140	-0.0014	-2.5 to 2.5	Pass	
				30	3.8	-3.131	-0.0037	-2.5 to 2.5	Pass	
				40	3.8	-3.900	-0.0047	-2.5 to 2.5	Pass	
	50	3.8	-6.671	-0.0080	-2.5 to 2.5	Pass				
	848.3	6	0		20	3.46	-4.802	-0.0057	-2.5 to 2.5	Pass
						3.8	-2.867	-0.0034	-2.5 to 2.5	Pass
						4.35	-6.868	-0.0081	-2.5 to 2.5	Pass
					-30	3.8	-4.976	-0.0059	-2.5 to 2.5	Pass
					-20	3.8	-6.056	-0.0071	-2.5 to 2.5	Pass
					-10	3.8	-9.238	-0.0109	-2.5 to 2.5	Pass
					0	3.8	-7.018	-0.0083	-2.5 to 2.5	Pass
					10	3.8	-2.964	-0.0035	-2.5 to 2.5	Pass
30					3.8	-4.699	-0.0055	-2.5 to 2.5	Pass	
40	3.8	-8.297	-0.0098	-2.5 to 2.5	Pass					
50	3.8	-3.757	-0.0044	-2.5 to 2.5	Pass					
16QAM	824.7	6	0	20	3.46	-6.481	-0.0079	-2.5 to 2.5	Pass	
					3.8	-2.046	-0.0025	-2.5 to 2.5	Pass	
					4.35	-1.486	-0.0018	-2.5 to 2.5	Pass	
				-30	3.8	-7.893	-0.0096	-2.5 to 2.5	Pass	
				-20	3.8	-6.260	-0.0076	-2.5 to 2.5	Pass	
				-10	3.8	-5.872	-0.0071	-2.5 to 2.5	Pass	
				0	3.8	-1.352	-0.0016	-2.5 to 2.5	Pass	
				10	3.8	-8.262	-0.0100	-2.5 to 2.5	Pass	
				30	3.8	-2.927	-0.0035	-2.5 to 2.5	Pass	
	40	3.8	-7.916	-0.0096	-2.5 to 2.5	Pass				
	50	3.8	-6.917	-0.0084	-2.5 to 2.5	Pass				
	836.5	6	0		20	3.46	-6.356	-0.0076	-2.5 to 2.5	Pass
						3.8	-6.409	-0.0077	-2.5 to 2.5	Pass
						4.35	-2.019	-0.0024	-2.5 to 2.5	Pass
					-30	3.8	1.135	0.0014	-2.5 to 2.5	Pass
					-20	3.8	-4.239	-0.0051	-2.5 to 2.5	Pass
					-10	3.8	-0.637	-0.0008	-2.5 to 2.5	Pass
					0	3.8	-2.002	-0.0024	-2.5 to 2.5	Pass
10					3.8	-1.473	-0.0018	-2.5 to 2.5	Pass	
30					3.8	-9.667	-0.0116	-2.5 to 2.5	Pass	
40	3.8	-8.199	-0.0098	-2.5 to 2.5	Pass					
50	3.8	-1.295	-0.0015	-2.5 to 2.5	Pass					
848.3	6	0		20	3.46	-7.495	-0.0088	-2.5 to 2.5	Pass	
					3.8	-1.609	-0.0019	-2.5 to 2.5	Pass	
					4.35	-5.787	-0.0068	-2.5 to 2.5	Pass	
				-30	3.8	-5.858	-0.0069	-2.5 to 2.5	Pass	
				-20	3.8	-6.289	-0.0074	-2.5 to 2.5	Pass	
				-10	3.8	-4.588	-0.0054	-2.5 to 2.5	Pass	
				0	3.8	-6.745	-0.0080	-2.5 to 2.5	Pass	
				10	3.8	-3.164	-0.0037	-2.5 to 2.5	Pass	
				30	3.8	-4.255	-0.0050	-2.5 to 2.5	Pass	
40	3.8	-2.805	-0.0033	-2.5 to 2.5	Pass					
50	3.8	-4.822	-0.0057	-2.5 to 2.5	Pass					

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64QAM	824.7	6	0	20	3.46	-5.540	-0.0067	-2.5 to 2.5	Pass				
					3.8	-8.240	-0.0100	-2.5 to 2.5	Pass				
					4.35	-7.204	-0.0087	-2.5 to 2.5	Pass				
				-30	3.8	-6.847	-0.0083	-2.5 to 2.5	Pass				
					-20	3.8	-4.309	-0.0052	-2.5 to 2.5	Pass			
						-10	3.8	-4.196	-0.0051	-2.5 to 2.5	Pass		
				836.5	6	0	0	3.8	-4.810	-0.0058	-2.5 to 2.5	Pass	
								10	3.8	-0.345	-0.0004	-2.5 to 2.5	Pass
								30	3.8	-3.983	-0.0048	-2.5 to 2.5	Pass
	40	3.8	-5.384				-0.0065	-2.5 to 2.5	Pass				
		50	3.8				-4.716	-0.0057	-2.5 to 2.5	Pass			
	848.3	6	0				20	3.46	-5.890	-0.0070	-2.5 to 2.5	Pass	
								3.8	-3.247	-0.0039	-2.5 to 2.5	Pass	
								4.35	-4.257	-0.0051	-2.5 to 2.5	Pass	
				-30	3.8	-7.365	-0.0088	-2.5 to 2.5	Pass				
					-20	3.8	-9.910	-0.0118	-2.5 to 2.5	Pass			
						-10	3.8	-5.452	-0.0065	-2.5 to 2.5	Pass		
				848.3	6	0	0	3.8	-5.005	-0.0060	-2.5 to 2.5	Pass	
								10	3.8	-5.075	-0.0061	-2.5 to 2.5	Pass
	30	3.8	-6.380					-0.0076	-2.5 to 2.5	Pass			
	40	3.8	-8.607				-0.0103	-2.5 to 2.5	Pass				
		50	3.8				-0.186	-0.0002	-2.5 to 2.5	Pass			
	848.3	6	0				20	3.46	-7.281	-0.0086	-2.5 to 2.5	Pass	
								3.8	-6.647	-0.0078	-2.5 to 2.5	Pass	
								4.35	-6.690	-0.0079	-2.5 to 2.5	Pass	
				-30	3.8	-8.984	-0.0106	-2.5 to 2.5	Pass				
					-20	3.8	-8.201	-0.0097	-2.5 to 2.5	Pass			
-10						3.8	-1.935	-0.0023	-2.5 to 2.5	Pass			
848.3				6	0	0	3.8	-5.749	-0.0068	-2.5 to 2.5	Pass		
							10	3.8	-10.625	-0.0125	-2.5 to 2.5	Pass	
	30	3.8	-6.124				-0.0072	-2.5 to 2.5	Pass				
	40	3.8	-6.763			-0.0080	-2.5 to 2.5	Pass					
		50	3.8			-6.661	-0.0079	-2.5 to 2.5	Pass				

2.2 B5_3MHz

2.2.1 Test Result

Band: 5 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	825.5	15	0	20	3.46	-7.946	-0.0096	-2.5 to 2.5	Pass	
					3.8	-5.717	-0.0069	-2.5 to 2.5	Pass	
					4.35	-4.352	-0.0053	-2.5 to 2.5	Pass	
				-30	3.8	-4.578	-0.0055	-2.5 to 2.5	Pass	
					-20	3.8	-8.652	-0.0105	-2.5 to 2.5	Pass
						-10	3.8	-2.948	-0.0036	-2.5 to 2.5
				0	3.8	-3.347	-0.0041	-2.5 to 2.5	Pass	
					10	3.8	-6.225	-0.0075	-2.5 to 2.5	Pass
					30	3.8	-7.814	-0.0095	-2.5 to 2.5	Pass
					40	3.8	-3.878	-0.0047	-2.5 to 2.5	Pass
					50	3.8	-2.273	-0.0028	-2.5 to 2.5	Pass



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	836.5	15	0	20	3.46	-9.665	-0.0116	-2.5 to 2.5	Pass	
					3.8	-4.312	-0.0052	-2.5 to 2.5	Pass	
					4.35	-1.461	-0.0017	-2.5 to 2.5	Pass	
				-30	3.8	-10.120	-0.0121	-2.5 to 2.5	Pass	
					-20	3.8	-6.257	-0.0075	-2.5 to 2.5	Pass
						3.8	-4.465	-0.0053	-2.5 to 2.5	Pass
					0	3.8	-3.473	-0.0042	-2.5 to 2.5	Pass
					10	3.8	-3.814	-0.0046	-2.5 to 2.5	Pass
					30	3.8	-5.962	-0.0071	-2.5 to 2.5	Pass
					40	3.8	-9.339	-0.0112	-2.5 to 2.5	Pass
	50	3.8	-5.710	-0.0068	-2.5 to 2.5	Pass				
	847.5	15	0	20	3.46	-3.720	-0.0044	-2.5 to 2.5	Pass	
					3.8	-6.964	-0.0082	-2.5 to 2.5	Pass	
					4.35	-7.300	-0.0086	-2.5 to 2.5	Pass	
				-30	3.8	-9.132	-0.0108	-2.5 to 2.5	Pass	
					-20	3.8	-5.596	-0.0066	-2.5 to 2.5	Pass
						3.8	-7.742	-0.0091	-2.5 to 2.5	Pass
					0	3.8	-9.066	-0.0107	-2.5 to 2.5	Pass
					10	3.8	-3.002	-0.0035	-2.5 to 2.5	Pass
					30	3.8	-6.845	-0.0081	-2.5 to 2.5	Pass
40					3.8	-7.039	-0.0083	-2.5 to 2.5	Pass	
50	3.8	-4.944	-0.0058	-2.5 to 2.5	Pass					
16QAM	825.5	15	0	20	3.46	-7.468	-0.0090	-2.5 to 2.5	Pass	
					3.8	-7.475	-0.0091	-2.5 to 2.5	Pass	
					4.35	-1.662	-0.0020	-2.5 to 2.5	Pass	
				-30	3.8	-5.261	-0.0064	-2.5 to 2.5	Pass	
					-20	3.8	-6.594	-0.0080	-2.5 to 2.5	Pass
						3.8	-7.124	-0.0086	-2.5 to 2.5	Pass
					0	3.8	-9.067	-0.0110	-2.5 to 2.5	Pass
					10	3.8	-8.361	-0.0101	-2.5 to 2.5	Pass
					30	3.8	-9.365	-0.0113	-2.5 to 2.5	Pass
					40	3.8	-6.496	-0.0079	-2.5 to 2.5	Pass
	50	3.8	-8.109	-0.0098	-2.5 to 2.5	Pass				
	836.5	15	0	20	3.46	-2.938	-0.0035	-2.5 to 2.5	Pass	
					3.8	-2.739	-0.0033	-2.5 to 2.5	Pass	
					4.35	-3.704	-0.0044	-2.5 to 2.5	Pass	
				-30	3.8	-6.526	-0.0078	-2.5 to 2.5	Pass	
					-20	3.8	-5.739	-0.0069	-2.5 to 2.5	Pass
						3.8	-4.730	-0.0057	-2.5 to 2.5	Pass
					0	3.8	-6.249	-0.0075	-2.5 to 2.5	Pass
					10	3.8	-6.600	-0.0079	-2.5 to 2.5	Pass
					30	3.8	-5.624	-0.0067	-2.5 to 2.5	Pass
40					3.8	-3.351	-0.0040	-2.5 to 2.5	Pass	
50	3.8	-8.656	-0.0103	-2.5 to 2.5	Pass					
847.5	15	0	20	3.46	-10.090	-0.0119	-2.5 to 2.5	Pass		
				3.8	-5.363	-0.0063	-2.5 to 2.5	Pass		
				4.35	-4.406	-0.0052	-2.5 to 2.5	Pass		
			-30	3.8	-9.415	-0.0111	-2.5 to 2.5	Pass		
				-20	3.8	-5.075	-0.0060	-2.5 to 2.5	Pass	
					3.8	-3.995	-0.0047	-2.5 to 2.5	Pass	
				0	3.8	-6.197	-0.0073	-2.5 to 2.5	Pass	
				10	3.8	-3.516	-0.0041	-2.5 to 2.5	Pass	
				30	3.8	-8.333	-0.0098	-2.5 to 2.5	Pass	
				40	3.8	-7.432	-0.0088	-2.5 to 2.5	Pass	

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64QAM	825.5	15	0	50	3.8	-5.155	-0.0061	-2.5 to 2.5	Pass
				20	3.46	-4.943	-0.0060	-2.5 to 2.5	Pass
					3.8	-0.410	-0.0005	-2.5 to 2.5	Pass
					4.35	-6.443	-0.0078	-2.5 to 2.5	Pass
				-30	3.8	-7.707	-0.0093	-2.5 to 2.5	Pass
				-20	3.8	-3.828	-0.0046	-2.5 to 2.5	Pass
				-10	3.8	-2.910	-0.0035	-2.5 to 2.5	Pass
				0	3.8	-3.208	-0.0039	-2.5 to 2.5	Pass
				10	3.8	-3.550	-0.0043	-2.5 to 2.5	Pass
	30	3.8	-6.749	-0.0082	-2.5 to 2.5	Pass			
	40	3.8	-0.296	-0.0004	-2.5 to 2.5	Pass			
	50	3.8	-5.580	-0.0068	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.46	-5.469	-0.0065	-2.5 to 2.5	Pass
					3.8	-4.818	-0.0058	-2.5 to 2.5	Pass
					4.35	-8.720	-0.0104	-2.5 to 2.5	Pass
				-30	3.8	-4.673	-0.0056	-2.5 to 2.5	Pass
				-20	3.8	-0.051	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	-4.723	-0.0056	-2.5 to 2.5	Pass
				0	3.8	-4.267	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-7.469	-0.0089	-2.5 to 2.5	Pass
				30	3.8	-5.935	-0.0071	-2.5 to 2.5	Pass
	40	3.8	-11.045	-0.0132	-2.5 to 2.5	Pass			
	50	3.8	-3.900	-0.0047	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.46	-6.493	-0.0077	-2.5 to 2.5	Pass
					3.8	-3.462	-0.0041	-2.5 to 2.5	Pass
					4.35	-7.935	-0.0094	-2.5 to 2.5	Pass
				-30	3.8	-11.691	-0.0138	-2.5 to 2.5	Pass
-20				3.8	-3.687	-0.0044	-2.5 to 2.5	Pass	
-10				3.8	-10.658	-0.0126	-2.5 to 2.5	Pass	
0				3.8	-7.301	-0.0086	-2.5 to 2.5	Pass	
10				3.8	-3.501	-0.0041	-2.5 to 2.5	Pass	
30				3.8	-2.367	-0.0028	-2.5 to 2.5	Pass	
40	3.8	-3.086	-0.0036	-2.5 to 2.5	Pass				
50	3.8	-9.135	-0.0108	-2.5 to 2.5	Pass				

2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.46	-5.967	-0.0072	-2.5 to 2.5	Pass
					3.8	-10.097	-0.0122	-2.5 to 2.5	Pass
					4.35	-7.398	-0.0090	-2.5 to 2.5	Pass
				-30	3.8	-4.583	-0.0055	-2.5 to 2.5	Pass
				-20	3.8	-2.519	-0.0030	-2.5 to 2.5	Pass
				-10	3.8	-4.470	-0.0054	-2.5 to 2.5	Pass
				0	3.8	-4.605	-0.0056	-2.5 to 2.5	Pass
				10	3.8	-6.431	-0.0078	-2.5 to 2.5	Pass
				30	3.8	-4.197	-0.0051	-2.5 to 2.5	Pass
40	3.8	-9.376	-0.0113	-2.5 to 2.5	Pass				



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	836.5	25	0	50	3.8	-8.717	-0.0105	-2.5 to 2.5	Pass
				20	3.46	-4.136	-0.0049	-2.5 to 2.5	Pass
					3.8	-0.194	-0.0002	-2.5 to 2.5	Pass
					4.35	-2.224	-0.0027	-2.5 to 2.5	Pass
				-30	3.8	-1.712	-0.0020	-2.5 to 2.5	Pass
				-20	3.8	-4.065	-0.0049	-2.5 to 2.5	Pass
				-10	3.8	-6.551	-0.0078	-2.5 to 2.5	Pass
				0	3.8	-1.562	-0.0019	-2.5 to 2.5	Pass
				10	3.8	-6.602	-0.0079	-2.5 to 2.5	Pass
				30	3.8	-3.809	-0.0046	-2.5 to 2.5	Pass
	40	3.8	-4.980	-0.0060	-2.5 to 2.5	Pass			
	50	3.8	-4.681	-0.0056	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.46	-10.586	-0.0125	-2.5 to 2.5	Pass
					3.8	-11.775	-0.0139	-2.5 to 2.5	Pass
					4.35	-10.513	-0.0124	-2.5 to 2.5	Pass
				-30	3.8	-3.663	-0.0043	-2.5 to 2.5	Pass
				-20	3.8	-8.910	-0.0105	-2.5 to 2.5	Pass
				-10	3.8	-1.577	-0.0019	-2.5 to 2.5	Pass
				0	3.8	-8.588	-0.0101	-2.5 to 2.5	Pass
				10	3.8	-7.426	-0.0088	-2.5 to 2.5	Pass
30				3.8	-6.422	-0.0076	-2.5 to 2.5	Pass	
40				3.8	-6.764	-0.0080	-2.5 to 2.5	Pass	
50	3.8	-13.833	-0.0163	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	3.46	-5.643	-0.0068	-2.5 to 2.5	Pass
					3.8	-6.875	-0.0083	-2.5 to 2.5	Pass
					4.35	-8.141	-0.0098	-2.5 to 2.5	Pass
				-30	3.8	-9.731	-0.0118	-2.5 to 2.5	Pass
				-20	3.8	-3.585	-0.0043	-2.5 to 2.5	Pass
				-10	3.8	-8.309	-0.0101	-2.5 to 2.5	Pass
				0	3.8	-6.316	-0.0076	-2.5 to 2.5	Pass
				10	3.8	-13.638	-0.0165	-2.5 to 2.5	Pass
				30	3.8	-10.375	-0.0126	-2.5 to 2.5	Pass
				40	3.8	-6.011	-0.0073	-2.5 to 2.5	Pass
	50	3.8	-6.146	-0.0074	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.46	-4.411	-0.0053	-2.5 to 2.5	Pass
					3.8	-0.539	-0.0006	-2.5 to 2.5	Pass
					4.35	-3.403	-0.0041	-2.5 to 2.5	Pass
				-30	3.8	-3.305	-0.0040	-2.5 to 2.5	Pass
				-20	3.8	-1.798	-0.0021	-2.5 to 2.5	Pass
				-10	3.8	-2.150	-0.0026	-2.5 to 2.5	Pass
				0	3.8	-1.768	-0.0021	-2.5 to 2.5	Pass
				10	3.8	-9.017	-0.0108	-2.5 to 2.5	Pass
				30	3.8	-8.080	-0.0097	-2.5 to 2.5	Pass
40				3.8	-9.003	-0.0108	-2.5 to 2.5	Pass	
50	3.8	-9.738	-0.0116	-2.5 to 2.5	Pass				
846.5	25	0	20	3.46	-13.344	-0.0158	-2.5 to 2.5	Pass	
				3.8	-6.578	-0.0078	-2.5 to 2.5	Pass	
				4.35	-9.634	-0.0114	-2.5 to 2.5	Pass	
			-30	3.8	-6.544	-0.0077	-2.5 to 2.5	Pass	
			-20	3.8	-4.403	-0.0052	-2.5 to 2.5	Pass	
			-10	3.8	-7.015	-0.0083	-2.5 to 2.5	Pass	
			0	3.8	-4.696	-0.0055	-2.5 to 2.5	Pass	
			10	3.8	-5.628	-0.0066	-2.5 to 2.5	Pass	
30	3.8	-3.548	-0.0042	-2.5 to 2.5	Pass				

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64QAM	826.5	25	0	40	3.8	-9.161	-0.0108	-2.5 to 2.5	Pass
				50	3.8	-7.642	-0.0090	-2.5 to 2.5	Pass
				20	3.46	-8.848	-0.0107	-2.5 to 2.5	Pass
					3.8	-3.176	-0.0038	-2.5 to 2.5	Pass
					4.35	-7.008	-0.0085	-2.5 to 2.5	Pass
				-30	3.8	-3.952	-0.0048	-2.5 to 2.5	Pass
				-20	3.8	-5.532	-0.0067	-2.5 to 2.5	Pass
				-10	3.8	-5.950	-0.0072	-2.5 to 2.5	Pass
				0	3.8	-5.548	-0.0067	-2.5 to 2.5	Pass
				10	3.8	-6.370	-0.0077	-2.5 to 2.5	Pass
	30	3.8	-3.767	-0.0046	-2.5 to 2.5	Pass			
	40	3.8	-4.937	-0.0060	-2.5 to 2.5	Pass			
	50	3.8	-2.295	-0.0028	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.46	-9.929	-0.0119	-2.5 to 2.5	Pass
					3.8	-8.026	-0.0096	-2.5 to 2.5	Pass
					4.35	-10.906	-0.0130	-2.5 to 2.5	Pass
				-30	3.8	-2.359	-0.0028	-2.5 to 2.5	Pass
				-20	3.8	-8.834	-0.0106	-2.5 to 2.5	Pass
				-10	3.8	-7.424	-0.0089	-2.5 to 2.5	Pass
				0	3.8	-5.003	-0.0060	-2.5 to 2.5	Pass
				10	3.8	-5.206	-0.0062	-2.5 to 2.5	Pass
				30	3.8	-8.290	-0.0099	-2.5 to 2.5	Pass
				40	3.8	-5.683	-0.0068	-2.5 to 2.5	Pass
	50	3.8	-9.404	-0.0112	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.46	-6.453	-0.0076	-2.5 to 2.5	Pass
					3.8	-6.412	-0.0076	-2.5 to 2.5	Pass
					4.35	-6.848	-0.0081	-2.5 to 2.5	Pass
				-30	3.8	-8.284	-0.0098	-2.5 to 2.5	Pass
				-20	3.8	-2.712	-0.0032	-2.5 to 2.5	Pass
				-10	3.8	-4.245	-0.0050	-2.5 to 2.5	Pass
0				3.8	-10.809	-0.0128	-2.5 to 2.5	Pass	
10				3.8	-12.526	-0.0148	-2.5 to 2.5	Pass	
30				3.8	-3.887	-0.0046	-2.5 to 2.5	Pass	
40				3.8	-11.366	-0.0134	-2.5 to 2.5	Pass	
50	3.8	-8.498	-0.0100	-2.5 to 2.5	Pass				

2.4 B5_10MHz

2.4.1 Test Result

Band: 5 / Bandwidth: 10MHz																																													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict																																				
		Size	Offset				Result	Limit																																					
QPSK	829	50	0	20	3.46	-4.945	-0.0060	-2.5 to 2.5	Pass																																				
										3.8	-5.014	-0.0060	-2.5 to 2.5	Pass																															
															4.35	-2.703	-0.0033	-2.5 to 2.5	Pass																										
																				-30	3.8	-8.542	-0.0103	-2.5 to 2.5	Pass																				
										-20	3.8	-6.855	-0.0083	-2.5 to 2.5	Pass																														
																-10	3.8	-3.154	-0.0038							-2.5 to 2.5	Pass																		
																												0	3.8	-5.157	-0.0062	-2.5 to 2.5	Pass												
																																		10	3.8	-4.127	-0.0050	-2.5 to 2.5	Pass						
																																								30	3.8	-10.165	-0.0123	-2.5 to 2.5	Pass

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	836.5	50	0	40	3.8	-11.158	-0.0135	-2.5 to 2.5	Pass
				50	3.8	-4.658	-0.0056	-2.5 to 2.5	Pass
				20	3.46	-9.334	-0.0112	-2.5 to 2.5	Pass
					3.8	-10.529	-0.0126	-2.5 to 2.5	Pass
					4.35	-8.695	-0.0104	-2.5 to 2.5	Pass
				-30	3.8	-7.615	-0.0091	-2.5 to 2.5	Pass
				-20	3.8	-7.744	-0.0093	-2.5 to 2.5	Pass
				-10	3.8	-4.531	-0.0054	-2.5 to 2.5	Pass
				0	3.8	-7.347	-0.0088	-2.5 to 2.5	Pass
				10	3.8	-7.271	-0.0087	-2.5 to 2.5	Pass
	30	3.8	-6.948	-0.0083	-2.5 to 2.5	Pass			
	40	3.8	-5.521	-0.0066	-2.5 to 2.5	Pass			
	50	3.8	-9.898	-0.0118	-2.5 to 2.5	Pass			
	844	50	0	20	3.46	-4.391	-0.0052	-2.5 to 2.5	Pass
					3.8	-3.801	-0.0045	-2.5 to 2.5	Pass
					4.35	-7.201	-0.0085	-2.5 to 2.5	Pass
				-30	3.8	-4.053	-0.0048	-2.5 to 2.5	Pass
				-20	3.8	-9.935	-0.0118	-2.5 to 2.5	Pass
				-10	3.8	-9.950	-0.0118	-2.5 to 2.5	Pass
				0	3.8	-5.993	-0.0071	-2.5 to 2.5	Pass
10				3.8	-6.498	-0.0077	-2.5 to 2.5	Pass	
30				3.8	-6.535	-0.0077	-2.5 to 2.5	Pass	
40				3.8	-9.485	-0.0112	-2.5 to 2.5	Pass	
50	3.8	-3.178	-0.0038	-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.46	-6.274	-0.0076	-2.5 to 2.5	Pass
					3.8	-4.256	-0.0051	-2.5 to 2.5	Pass
					4.35	-11.475	-0.0138	-2.5 to 2.5	Pass
				-30	3.8	-7.628	-0.0092	-2.5 to 2.5	Pass
				-20	3.8	-4.592	-0.0055	-2.5 to 2.5	Pass
				-10	3.8	-6.912	-0.0083	-2.5 to 2.5	Pass
				0	3.8	-6.962	-0.0084	-2.5 to 2.5	Pass
				10	3.8	-9.004	-0.0109	-2.5 to 2.5	Pass
				30	3.8	-11.875	-0.0143	-2.5 to 2.5	Pass
				40	3.8	-10.438	-0.0126	-2.5 to 2.5	Pass
	50	3.8	-8.166	-0.0099	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.46	-5.286	-0.0063	-2.5 to 2.5	Pass
					3.8	-4.497	-0.0054	-2.5 to 2.5	Pass
					4.35	-8.333	-0.0100	-2.5 to 2.5	Pass
				-30	3.8	-4.078	-0.0049	-2.5 to 2.5	Pass
				-20	3.8	-6.026	-0.0072	-2.5 to 2.5	Pass
				-10	3.8	-5.308	-0.0063	-2.5 to 2.5	Pass
				0	3.8	-7.698	-0.0092	-2.5 to 2.5	Pass
				10	3.8	-7.965	-0.0095	-2.5 to 2.5	Pass
				30	3.8	-5.706	-0.0068	-2.5 to 2.5	Pass
40				3.8	-4.628	-0.0055	-2.5 to 2.5	Pass	
50	3.8	-1.846	-0.0022	-2.5 to 2.5	Pass				
844	50	0	20	3.46	-6.909	-0.0082	-2.5 to 2.5	Pass	
				3.8	-7.787	-0.0092	-2.5 to 2.5	Pass	
				4.35	-3.765	-0.0045	-2.5 to 2.5	Pass	
			-30	3.8	-3.776	-0.0045	-2.5 to 2.5	Pass	
			-20	3.8	-6.786	-0.0080	-2.5 to 2.5	Pass	
			-10	3.8	-2.551	-0.0030	-2.5 to 2.5	Pass	
			0	3.8	-10.544	-0.0125	-2.5 to 2.5	Pass	
			10	3.8	-8.567	-0.0102	-2.5 to 2.5	Pass	

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				30	3.8	-8.927	-0.0106	-2.5 to 2.5	Pass
				40	3.8	-7.622	-0.0090	-2.5 to 2.5	Pass
				50	3.8	-8.208	-0.0097	-2.5 to 2.5	Pass
64QAM	829	50	0	20	3.46	-5.572	-0.0067	-2.5 to 2.5	Pass
					3.8	-3.808	-0.0046	-2.5 to 2.5	Pass
					4.35	-8.853	-0.0107	-2.5 to 2.5	Pass
				-30	3.8	-7.581	-0.0091	-2.5 to 2.5	Pass
				-20	3.8	-2.202	-0.0027	-2.5 to 2.5	Pass
				-10	3.8	-1.518	-0.0018	-2.5 to 2.5	Pass
				0	3.8	-3.398	-0.0041	-2.5 to 2.5	Pass
				10	3.8	-2.561	-0.0031	-2.5 to 2.5	Pass
				30	3.8	-5.532	-0.0067	-2.5 to 2.5	Pass
				40	3.8	-1.661	-0.0020	-2.5 to 2.5	Pass
	50	3.8	-2.414	-0.0029	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.46	-2.661	-0.0032	-2.5 to 2.5	Pass
					3.8	-6.297	-0.0075	-2.5 to 2.5	Pass
					4.35	-3.701	-0.0044	-2.5 to 2.5	Pass
				-30	3.8	-6.327	-0.0076	-2.5 to 2.5	Pass
				-20	3.8	-6.138	-0.0073	-2.5 to 2.5	Pass
				-10	3.8	-6.369	-0.0076	-2.5 to 2.5	Pass
				0	3.8	-0.176	-0.0002	-2.5 to 2.5	Pass
				10	3.8	-1.369	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-3.757	-0.0045	-2.5 to 2.5	Pass
40				3.8	-5.717	-0.0068	-2.5 to 2.5	Pass	
844	50	0	20	3.46	-8.827	-0.0105	-2.5 to 2.5	Pass	
				3.8	-9.651	-0.0114	-2.5 to 2.5	Pass	
				4.35	-7.965	-0.0094	-2.5 to 2.5	Pass	
			-30	3.8	-7.600	-0.0090	-2.5 to 2.5	Pass	
			-20	3.8	-9.615	-0.0114	-2.5 to 2.5	Pass	
			-10	3.8	-8.601	-0.0102	-2.5 to 2.5	Pass	
			0	3.8	-9.952	-0.0118	-2.5 to 2.5	Pass	
			10	3.8	-7.656	-0.0091	-2.5 to 2.5	Pass	
			30	3.8	-7.823	-0.0093	-2.5 to 2.5	Pass	
			40	3.8	-5.767	-0.0068	-2.5 to 2.5	Pass	
50	3.8	-8.832	-0.0105	-2.5 to 2.5	Pass				

3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass
64QAM	836.5	6	0	Refer To Test Graph		Pass



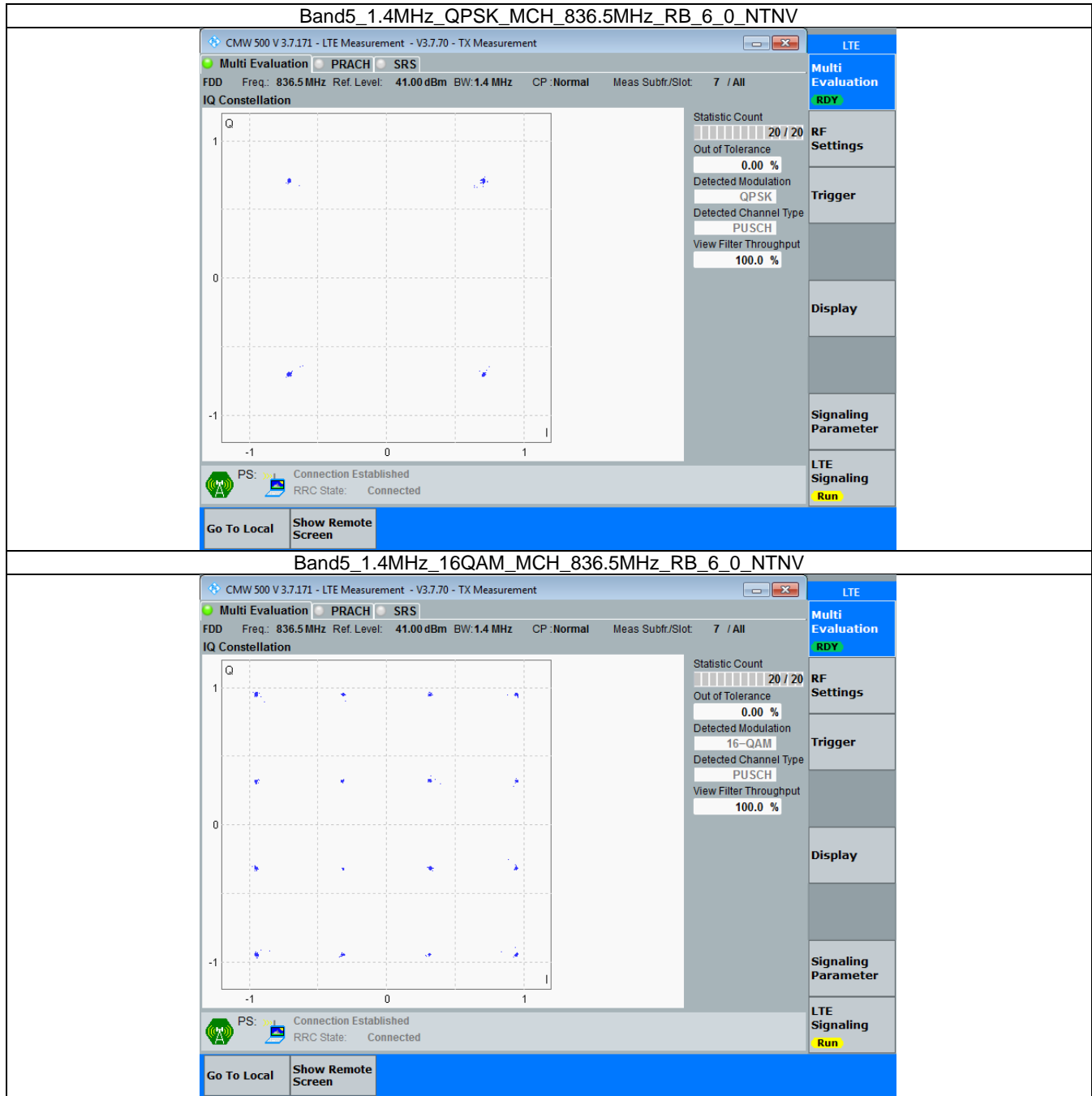
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3.1.2 Test Graph



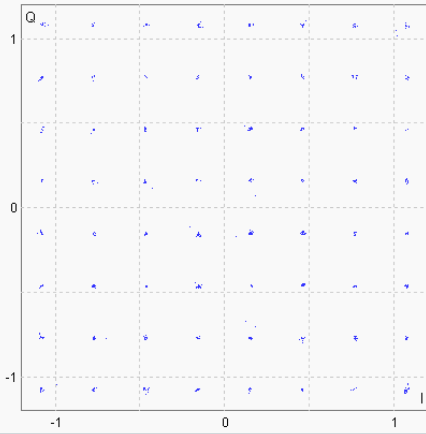
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Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV

CMW 500 V 3.7.171 - LTE Measurement - V3.7.70 - TX Measurement		LTE
Multi Evaluation <input type="checkbox"/> PRACH <input type="checkbox"/> SRS		Multi Evaluation RDY
FDD Freq: 836.5 MHz Ref. Level: 41.00 dBm BW: 1.4 MHz CP: Normal Meas Subfr/Slot 7 / All		RF Settings
IQ Constellation		Trigger
		Display
PS: Connection Established RRC State: Connected		Signaling Parameter
Go To Local <input type="checkbox"/> Show Remote Screen <input type="checkbox"/>		LTE Signaling Run



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3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass
64QAM	836.5	15	0	Refer To Test Graph		Pass

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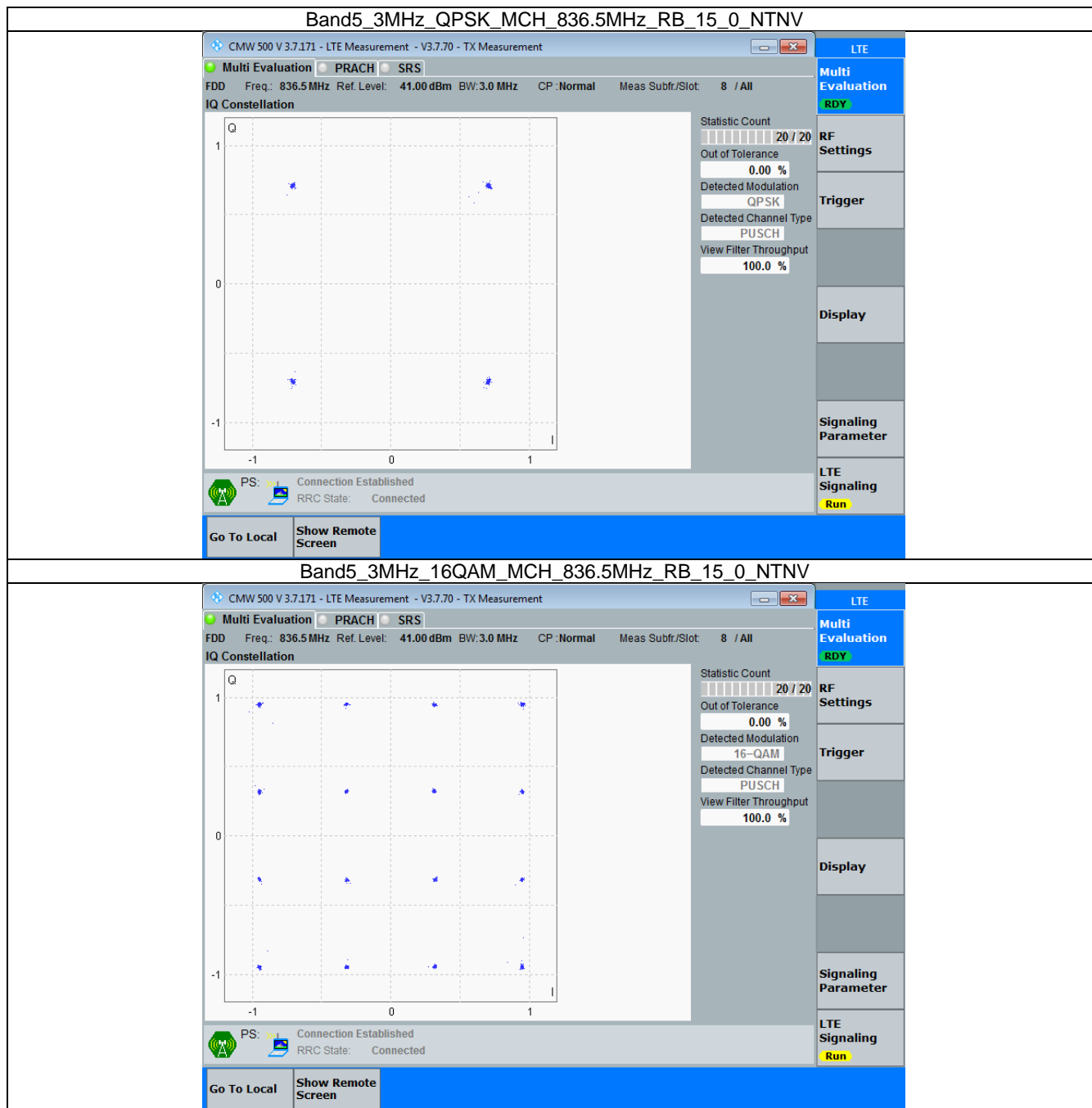
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3.2.2 Test Graph



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Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV

CMW 500 V 3.7.171 - LTE Measurement - V3.7.70 - TX Measurement		LTE
Multi Evaluation <input type="radio"/> PRACH <input type="radio"/> SRS		Multi Evaluation RDY
FDD Freq.: 836.5 MHz Ref. Level: 41.00 dBm BW: 3.0 MHz CP: Normal Meas Subfr/Slot 8 / All		RF Settings
IQ Constellation		Trigger
	Statistic Count Out of Tolerance: 0.00 % Detected Modulation: 64-QAM Detected Channel Type: PUSCH View Filter Throughput: 100.0 %	Display
PS: Connection Established RRC State: Connected		Signaling Parameter
Go To Local Show Remote Screen		LTE Signaling Run



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3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass
64QAM	836.5	25	0	Refer To Test Graph		Pass

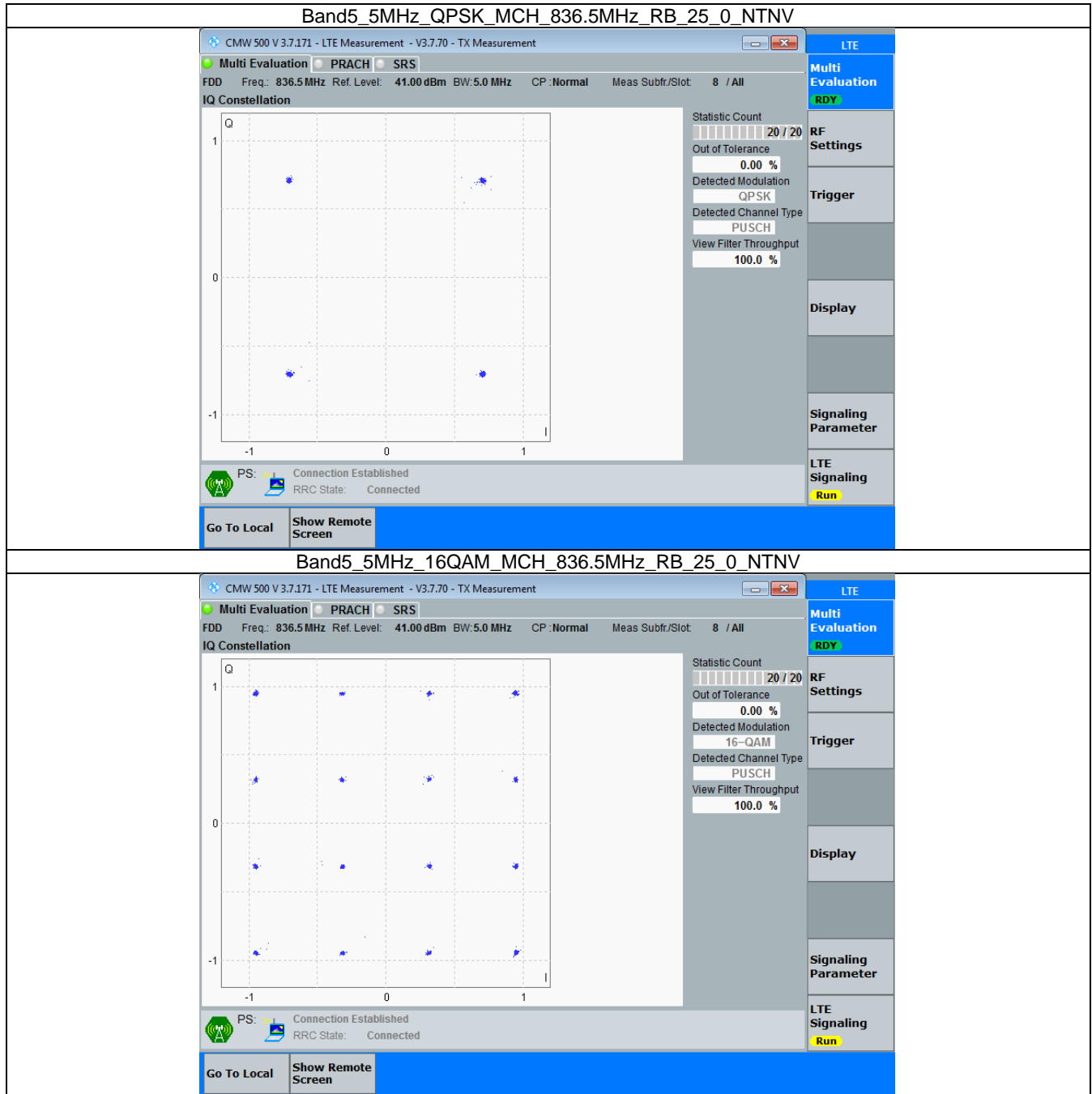
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3.3.2 Test Graph

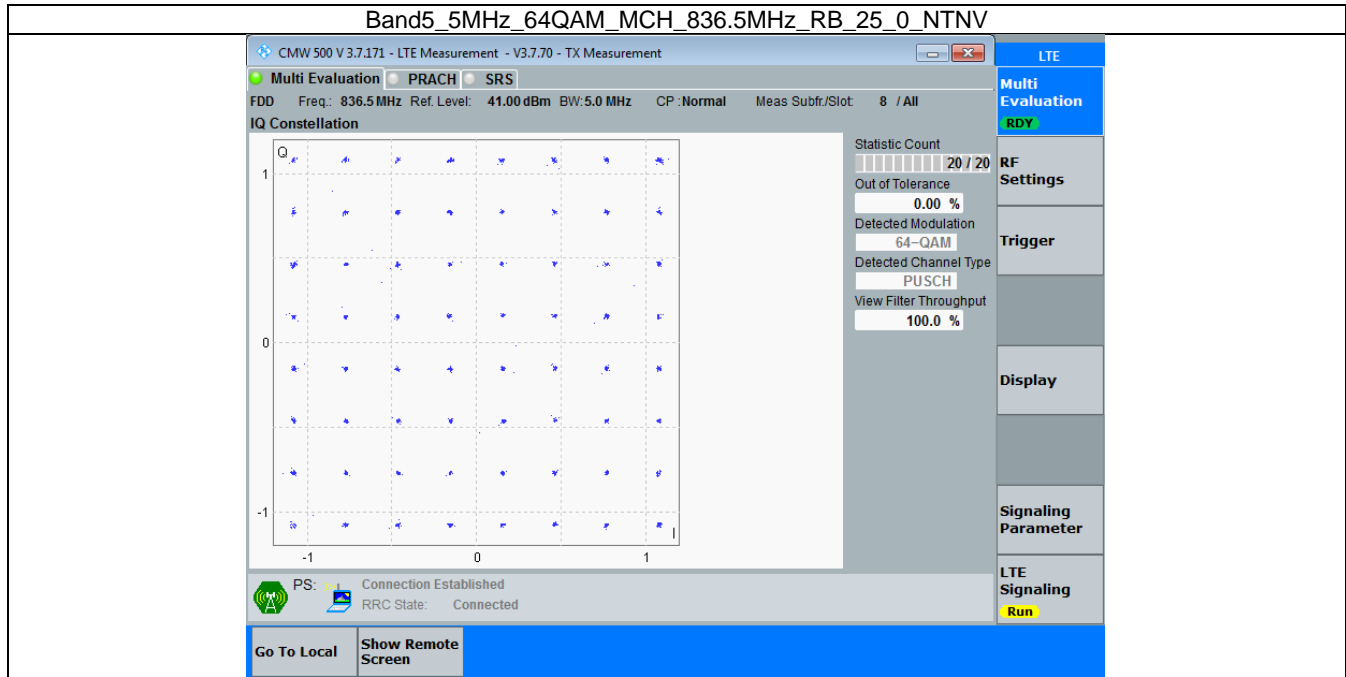


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3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass
64QAM	836.5	50	0	Refer To Test Graph		Pass

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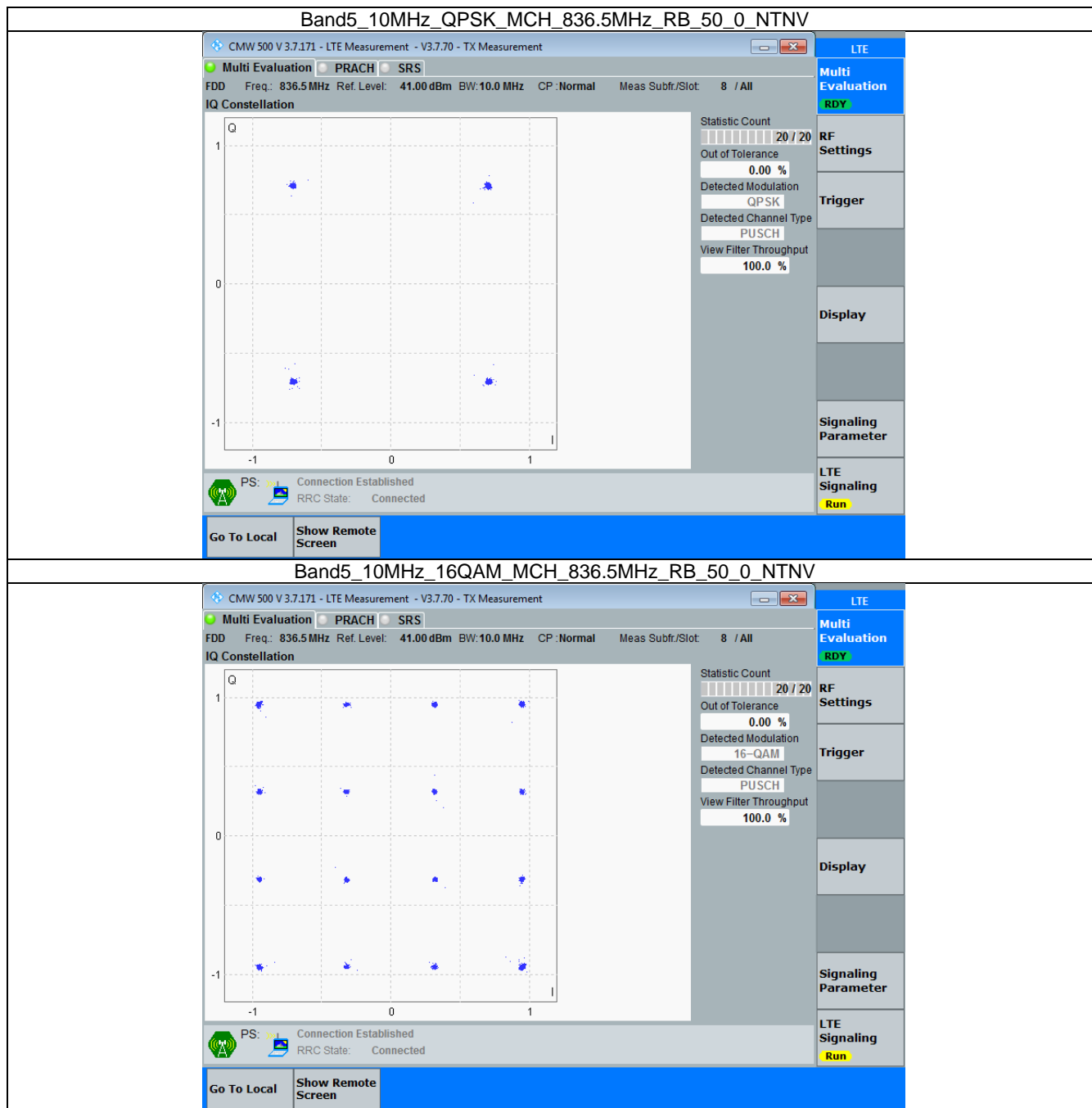
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3.4.2 Test Graph

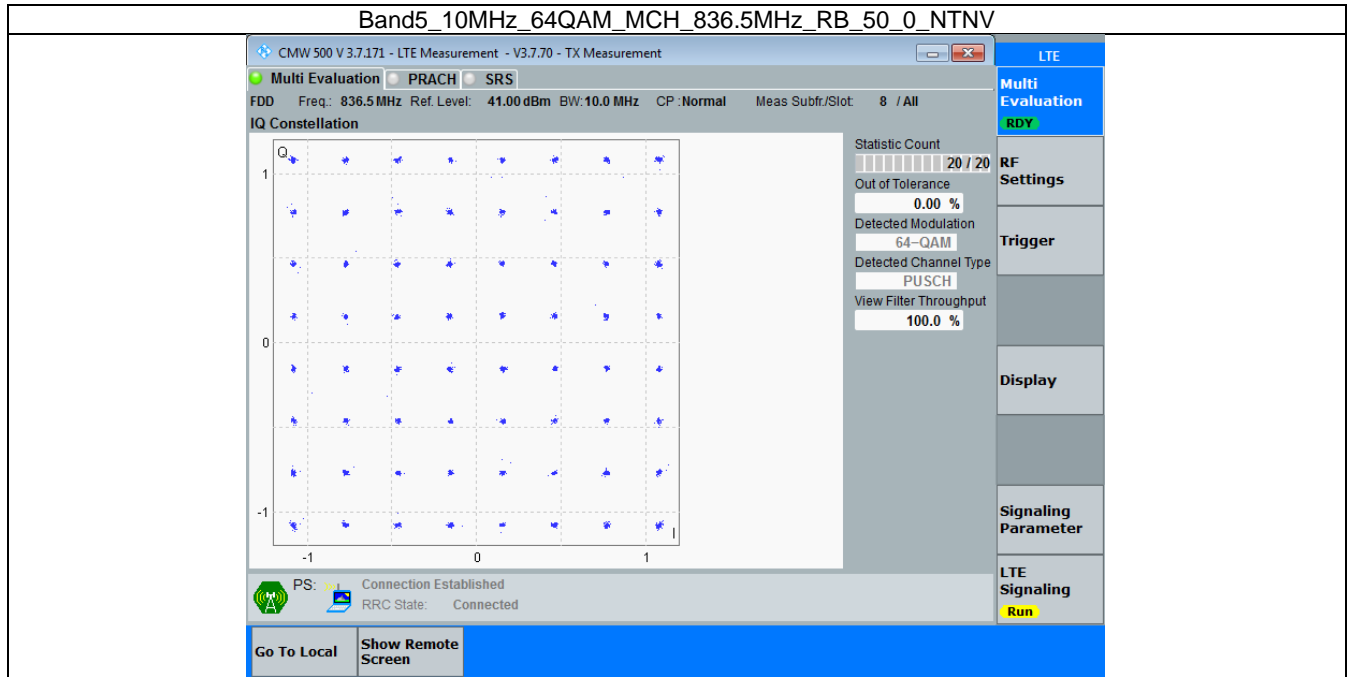


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4. 99% & 26dB Bandwidth

4.1 Band5_OBW

4.1.1 Test Result

Band: 5 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.100	Pass
		836.5	6	0	1.101	Pass
		848.3	6	0	1.108	Pass
	16QAM	824.7	6	0	1.098	Pass
		836.5	6	0	1.105	Pass
		848.3	6	0	1.111	Pass
	64QAM	824.7	6	0	1.110	Pass
		836.5	6	0	1.102	Pass
		848.3	6	0	1.103	Pass
3	QPSK	825.5	15	0	2.708	Pass
		836.5	15	0	2.716	Pass
		847.5	15	0	2.709	Pass
	16QAM	825.5	15	0	2.705	Pass
		836.5	15	0	2.711	Pass
		847.5	15	0	2.701	Pass
	64QAM	825.5	15	0	2.709	Pass
		836.5	15	0	2.706	Pass
		847.5	15	0	2.702	Pass
5	QPSK	826.5	25	0	4.548	Pass
		836.5	25	0	4.536	Pass
		846.5	25	0	4.515	Pass
	16QAM	826.5	25	0	4.529	Pass
		836.5	25	0	4.534	Pass
		846.5	25	0	4.506	Pass
	64QAM	826.5	25	0	4.528	Pass
		836.5	25	0	4.523	Pass
		846.5	25	0	4.528	Pass
10	QPSK	829	50	0	9.094	Pass
		836.5	50	0	9.020	Pass
		844	50	0	9.054	Pass
	16QAM	829	50	0	9.058	Pass
		836.5	50	0	9.019	Pass
		844	50	0	9.043	Pass
	64QAM	829	50	0	9.074	Pass
		836.5	50	0	9.035	Pass
		844	50	0	9.074	Pass



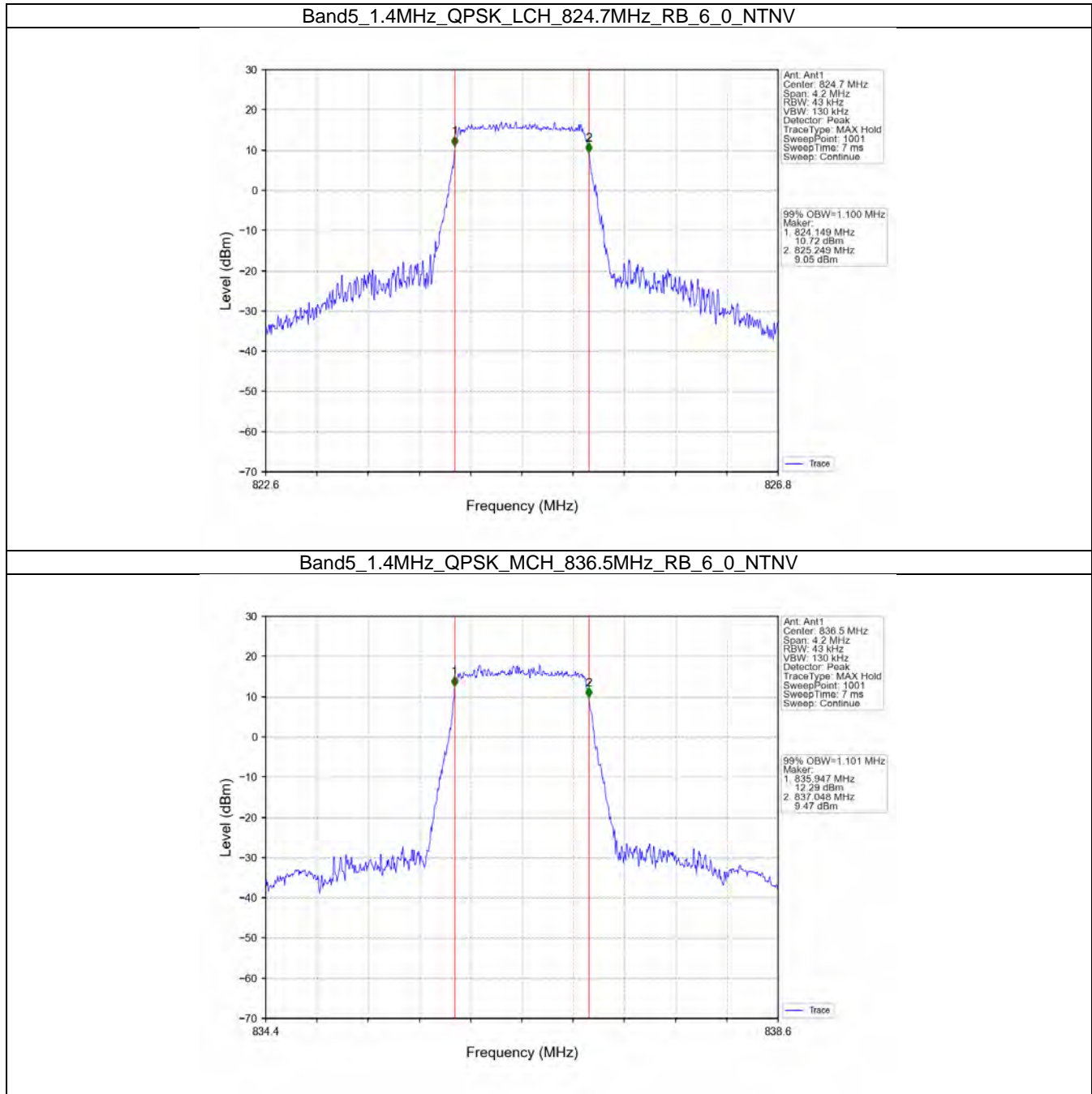
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4.1.2 Test Graph



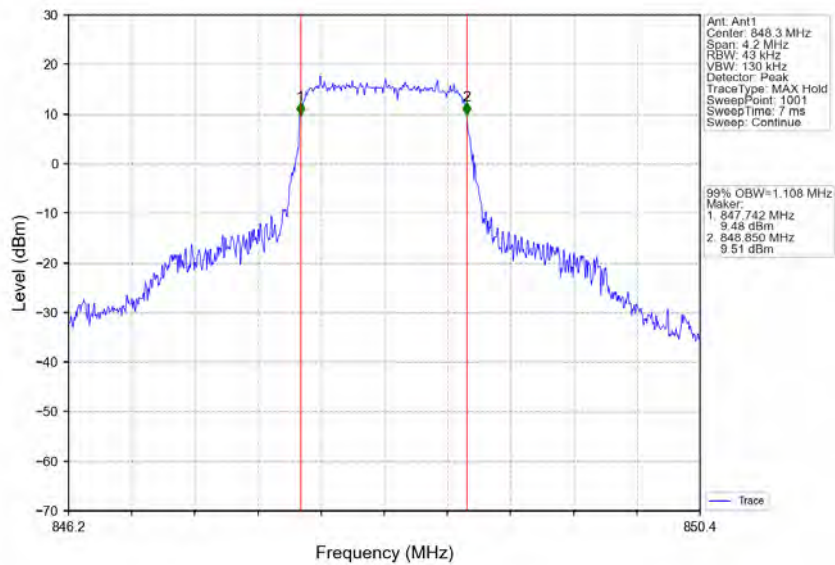
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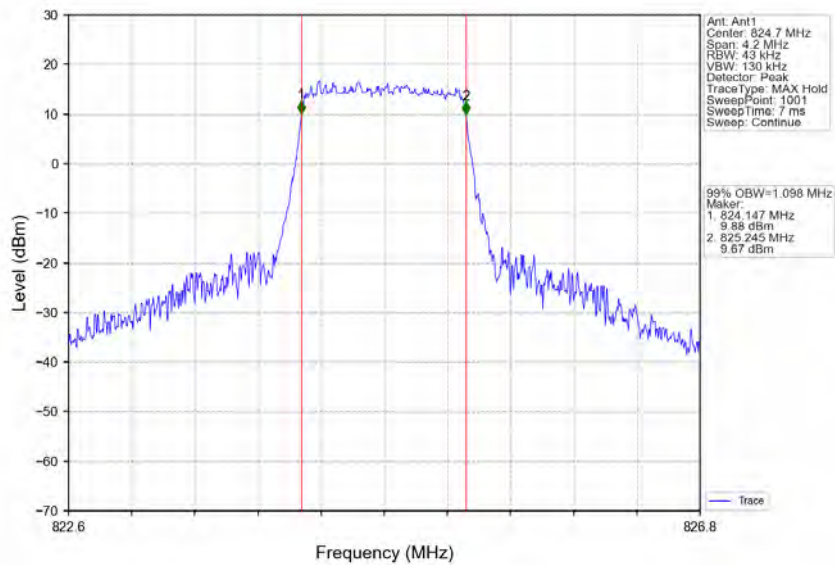
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



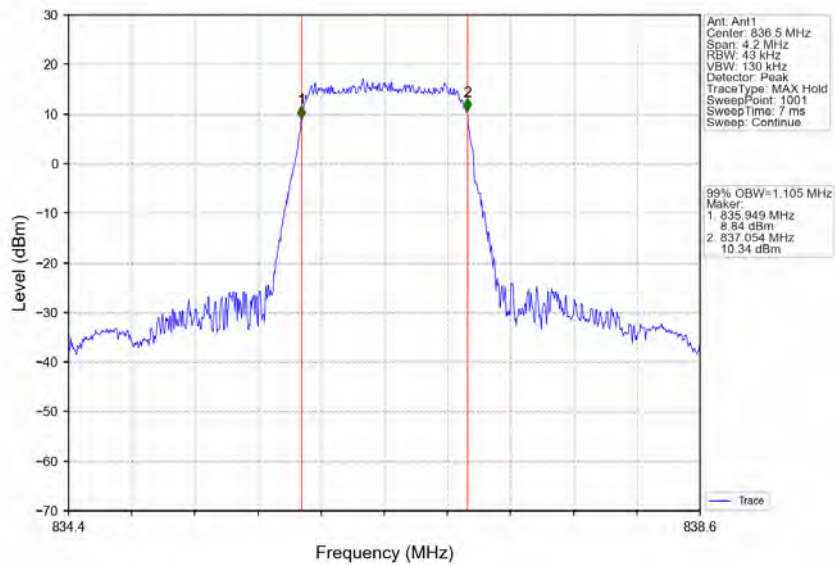
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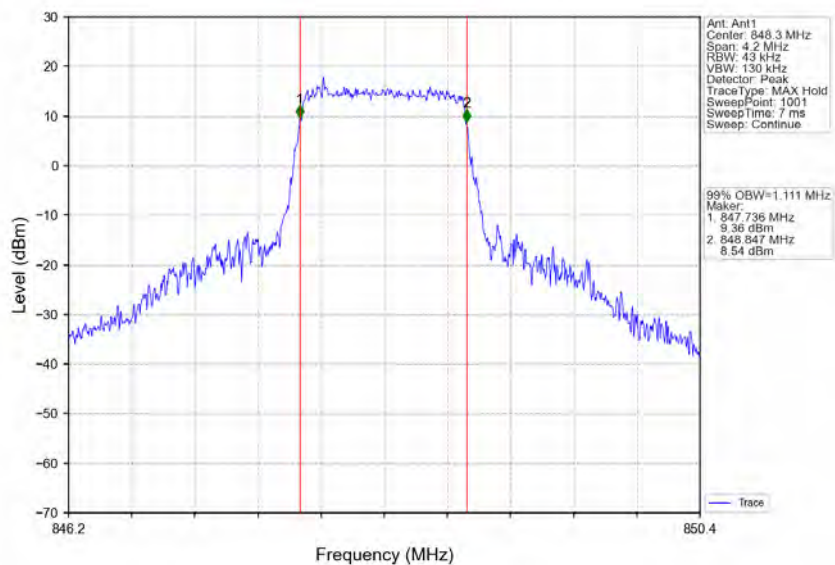
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



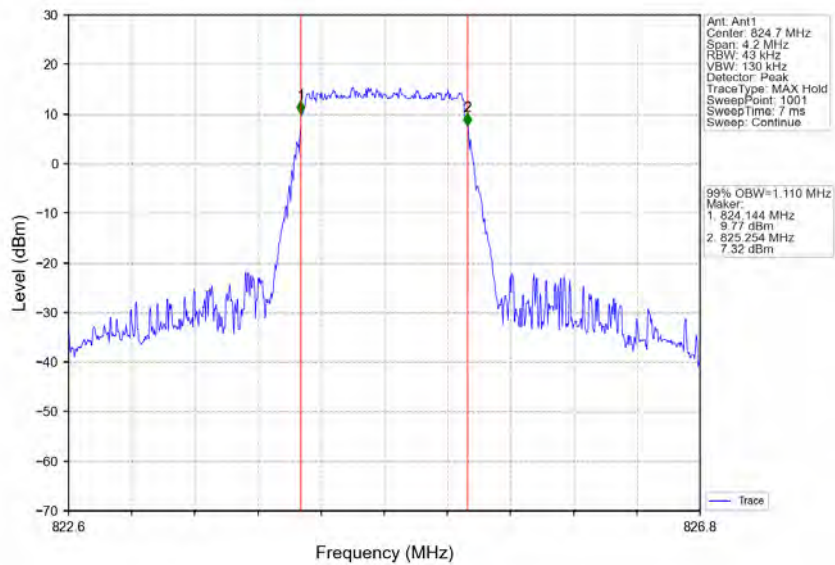
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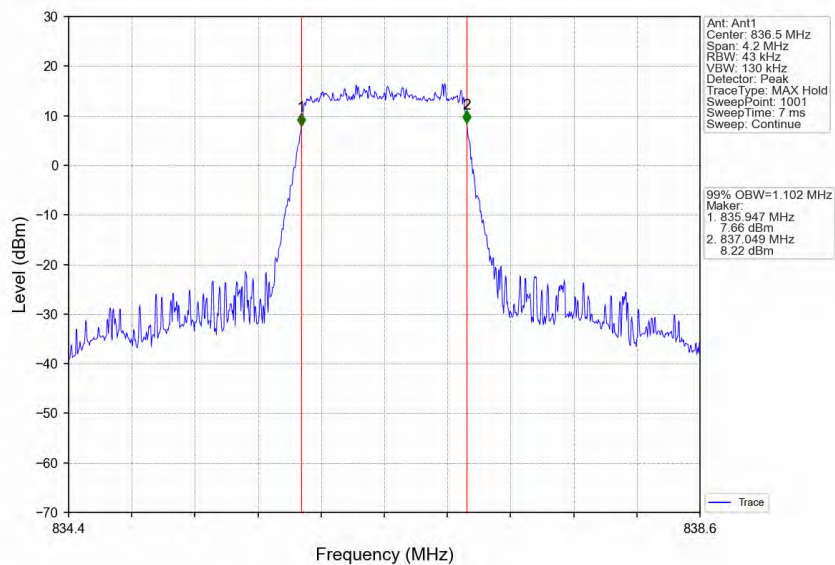
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



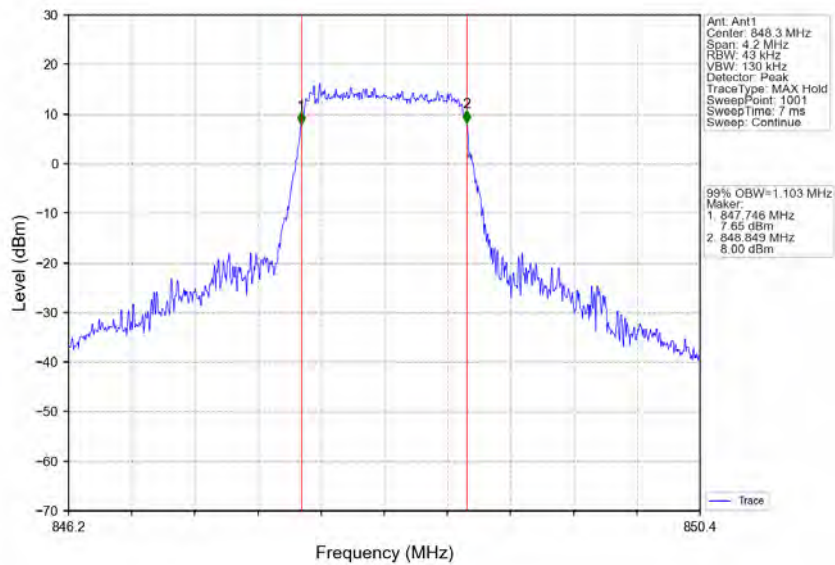
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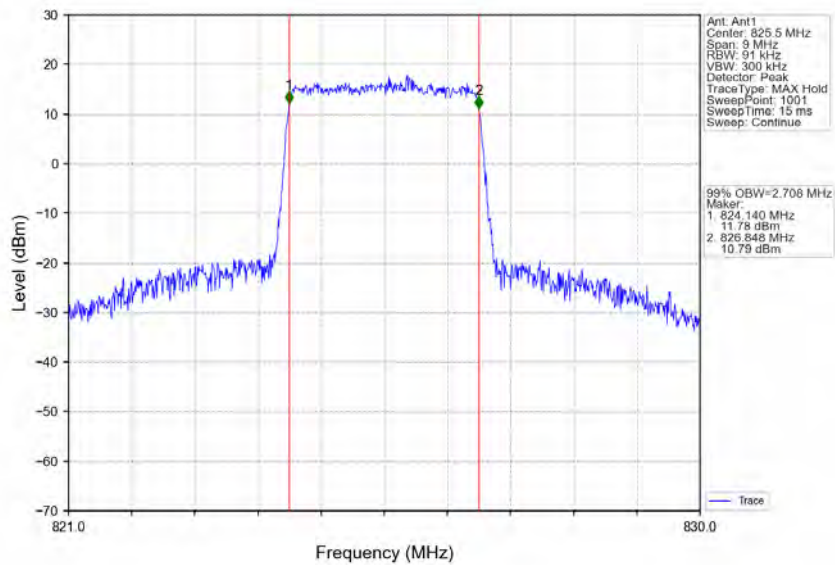
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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



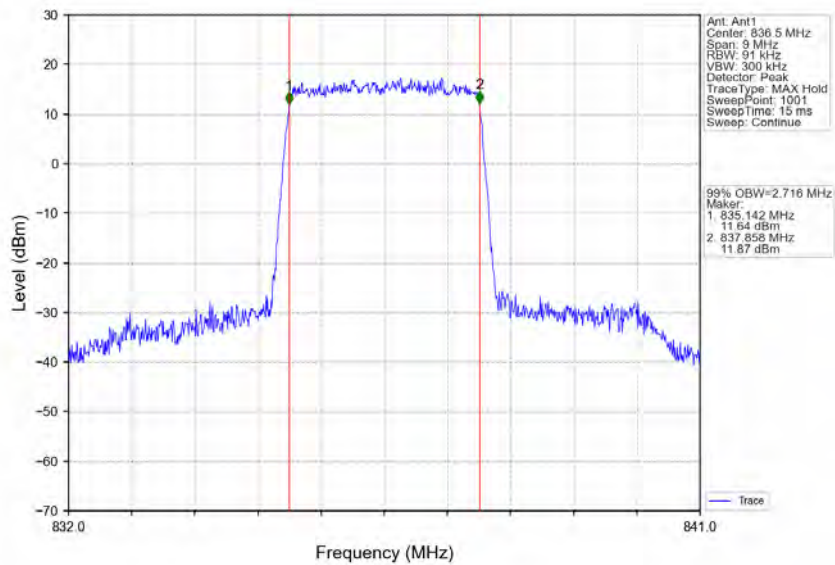
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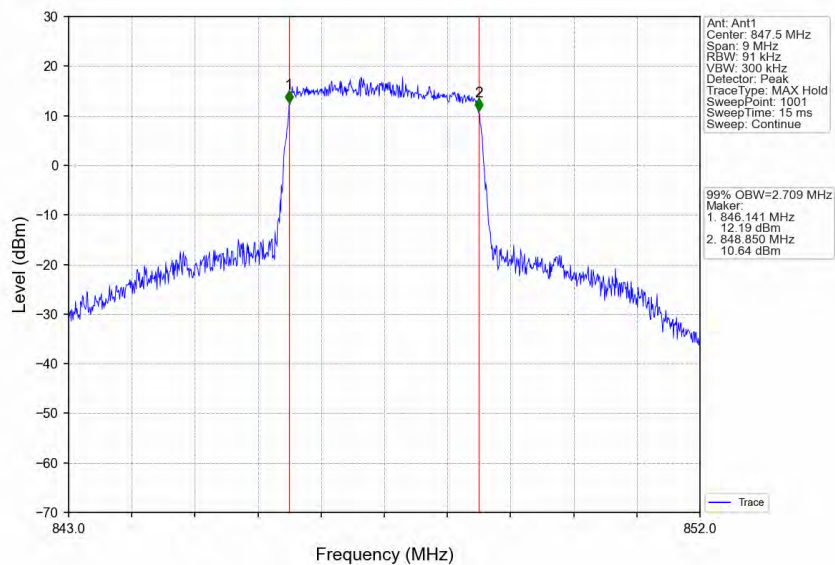
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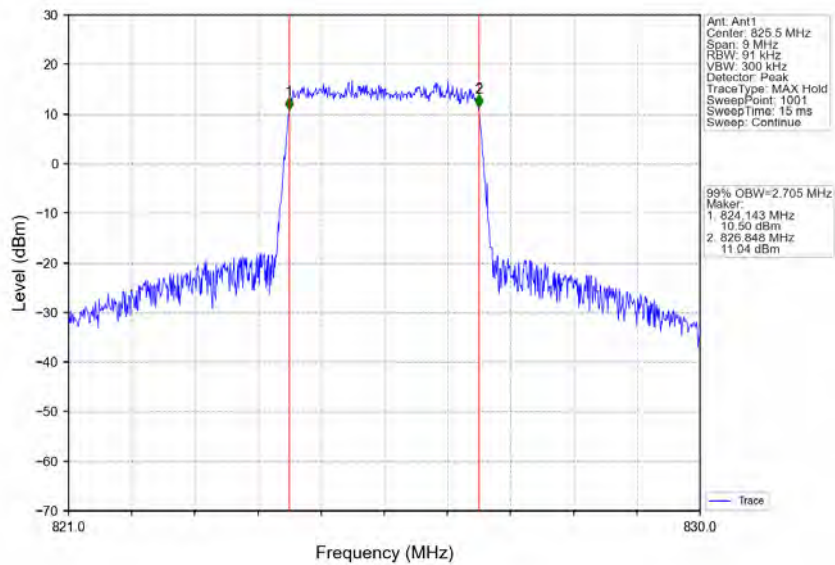
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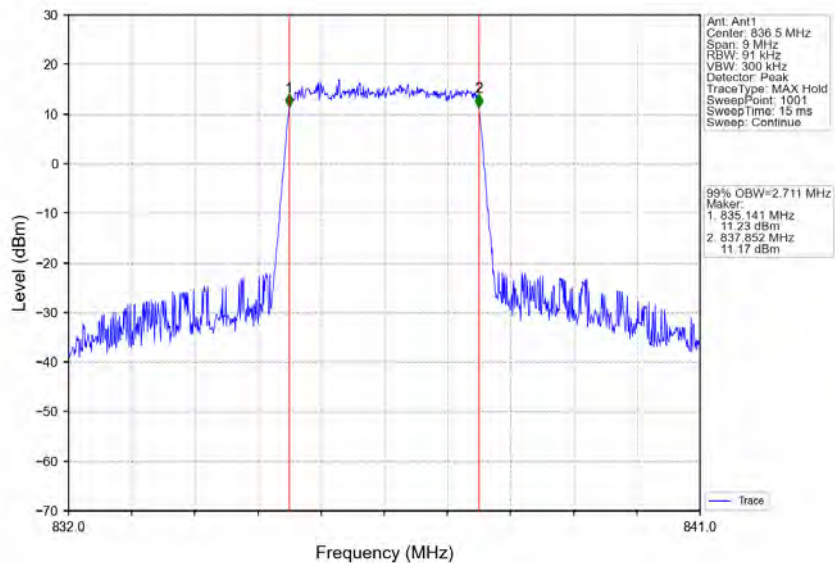
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Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



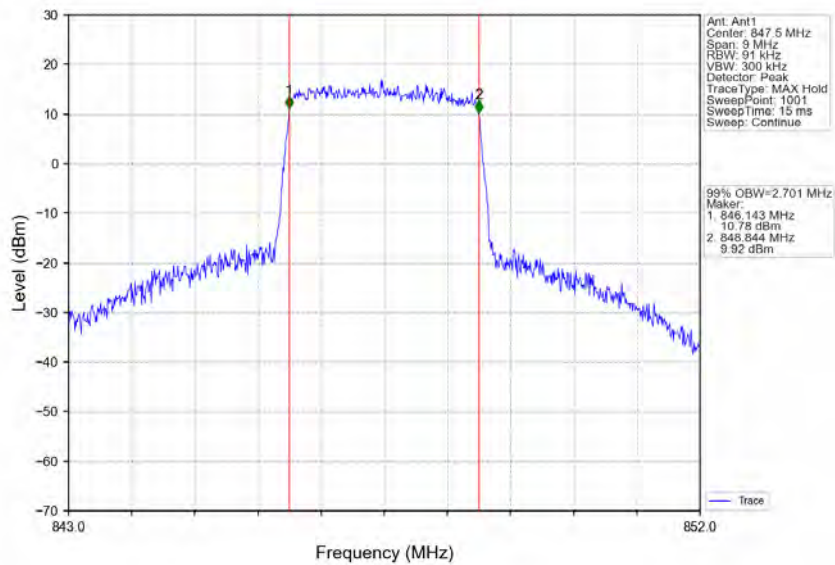
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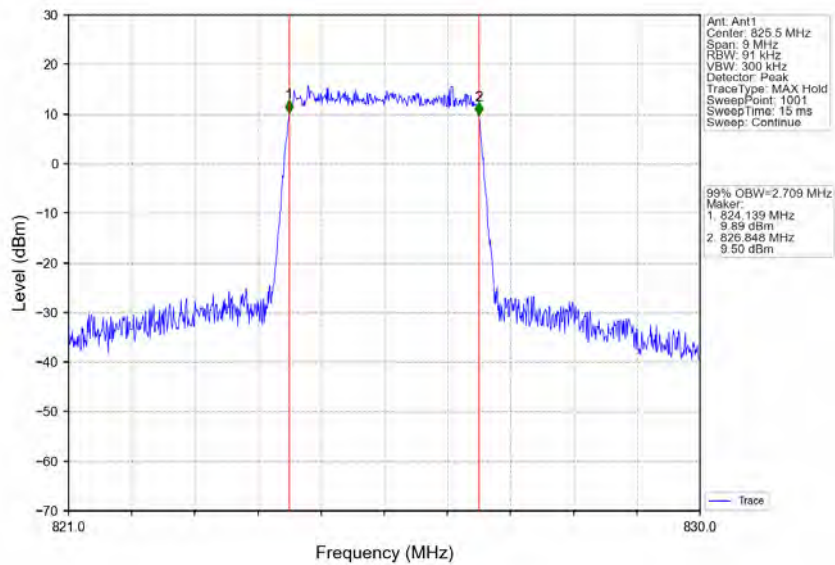
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Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



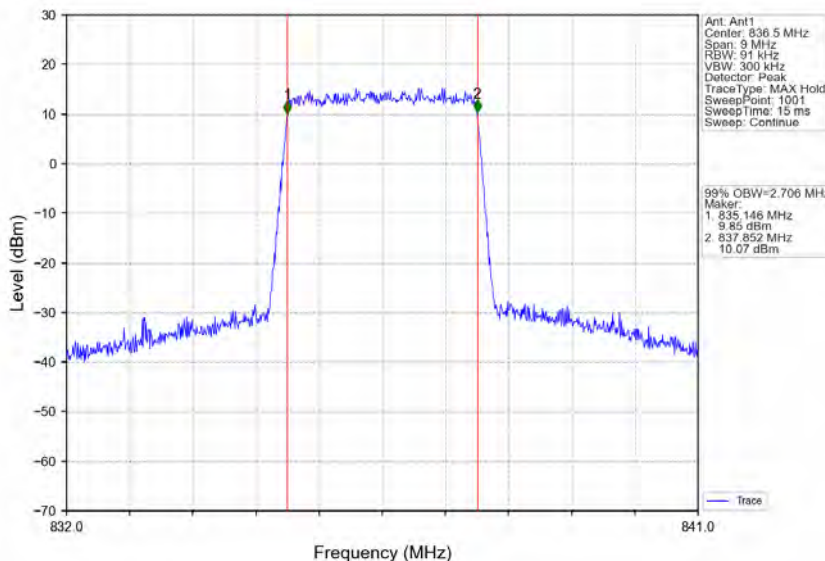
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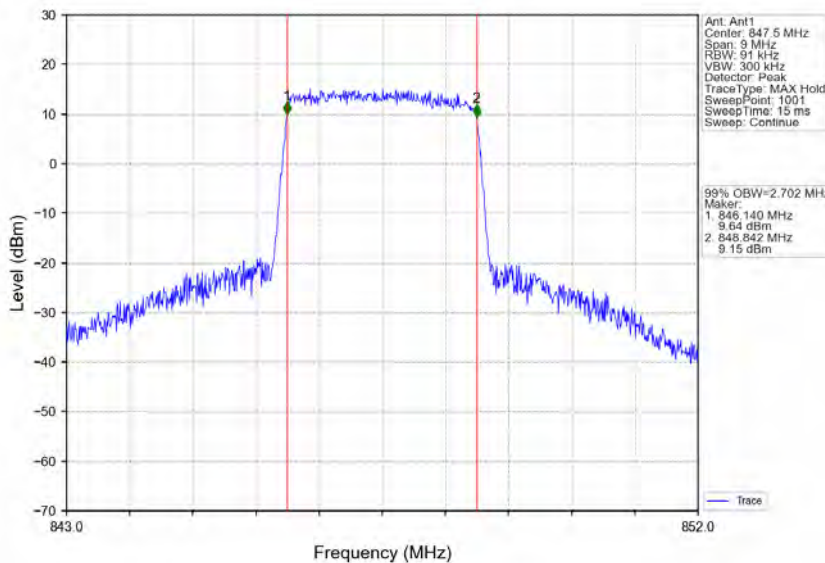
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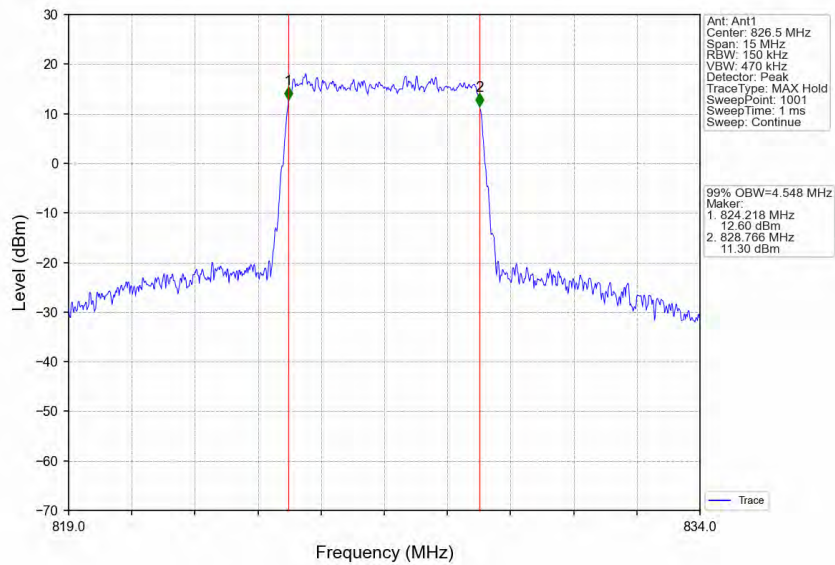
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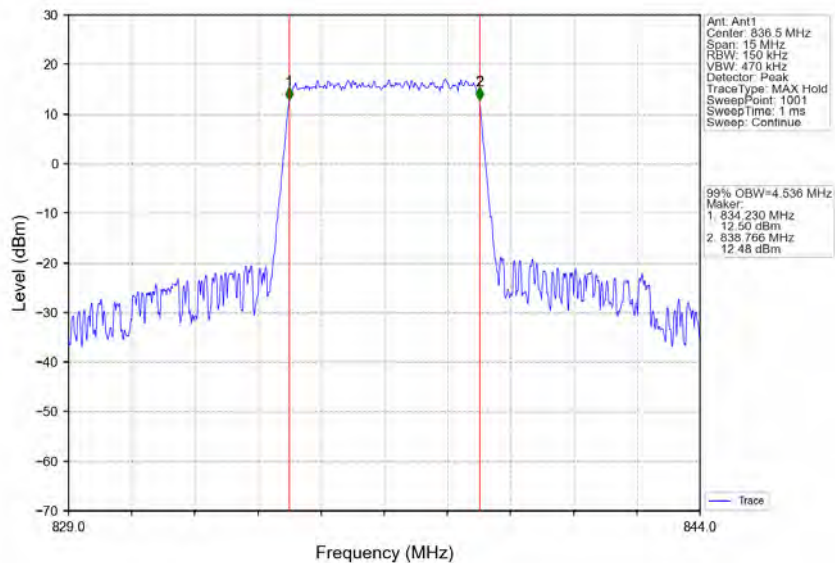
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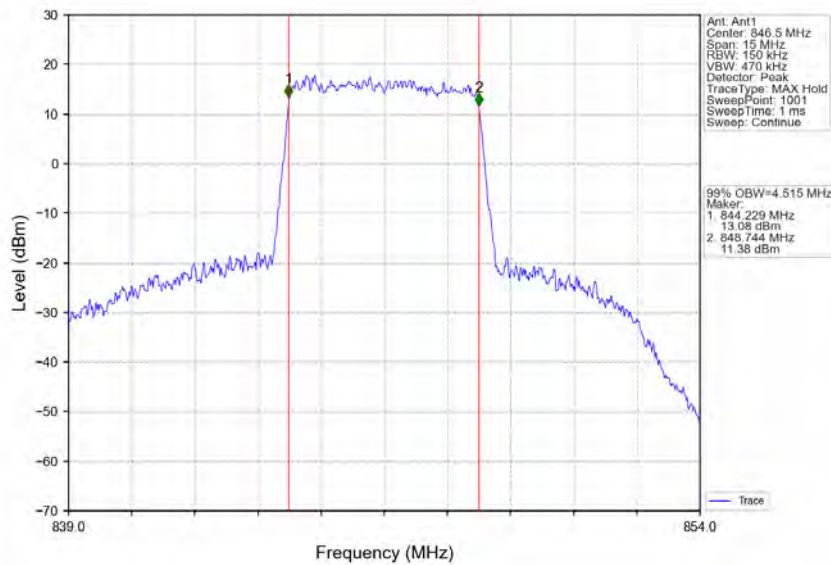
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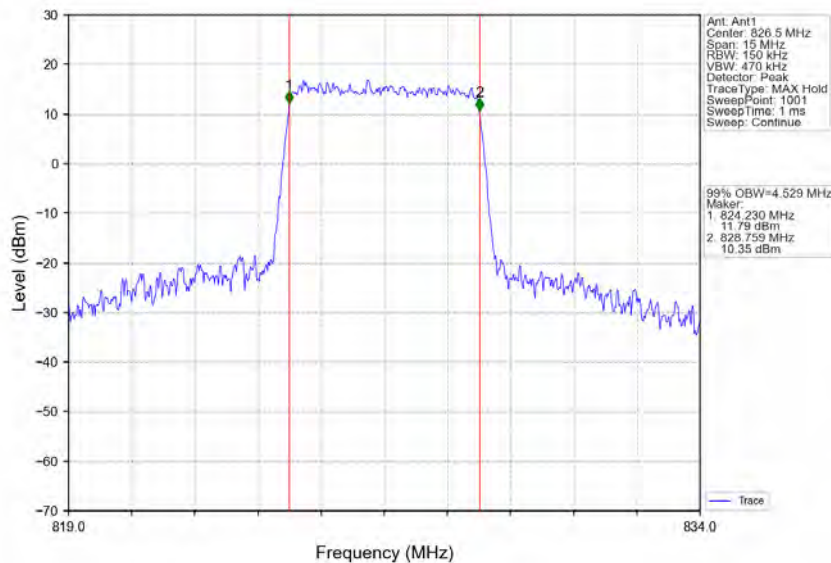
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



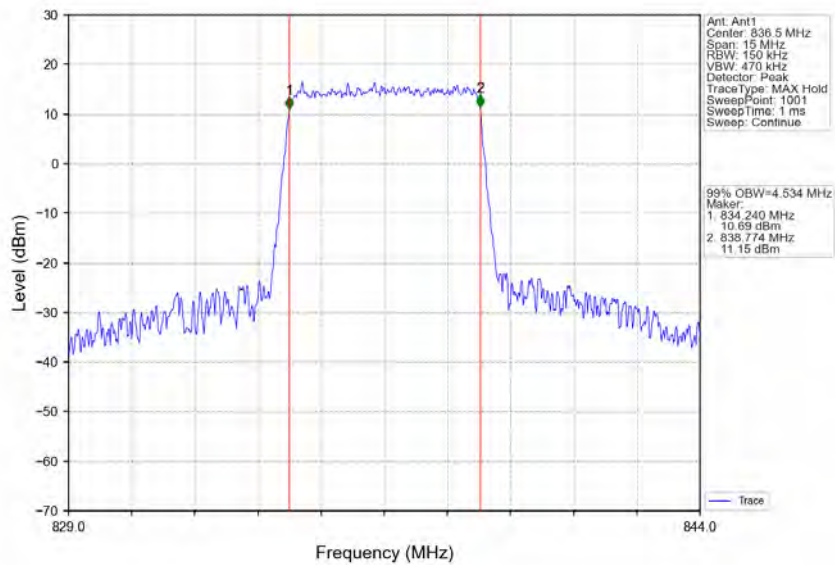
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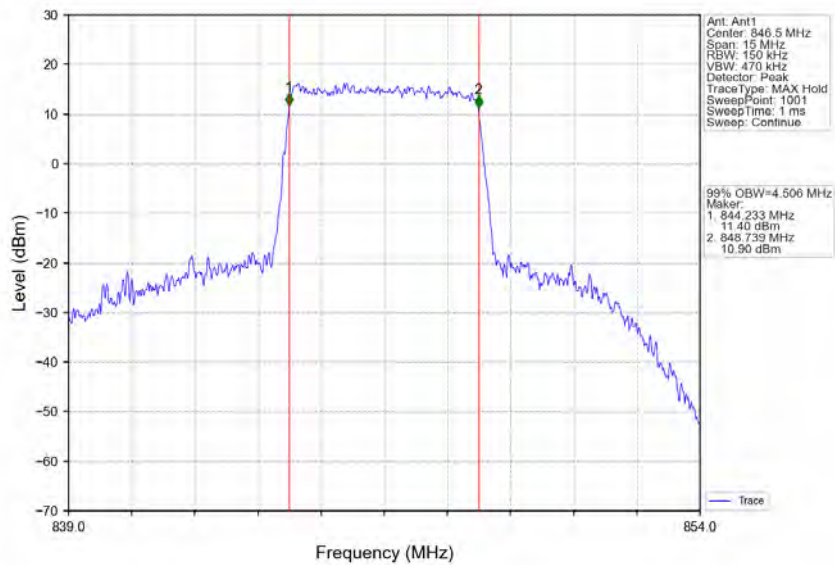
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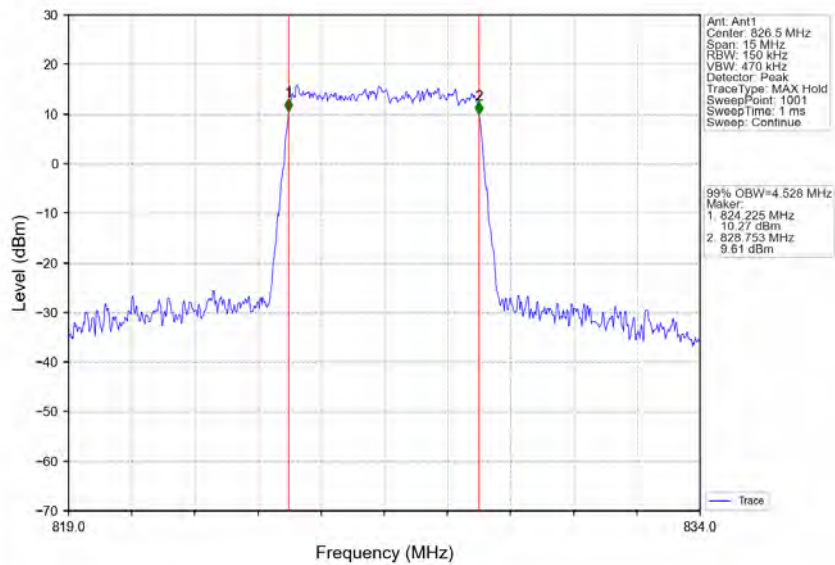
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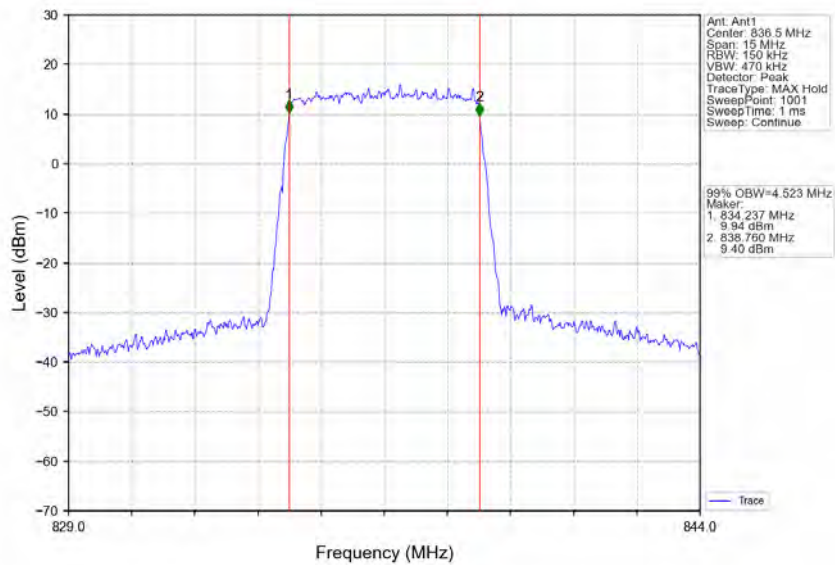
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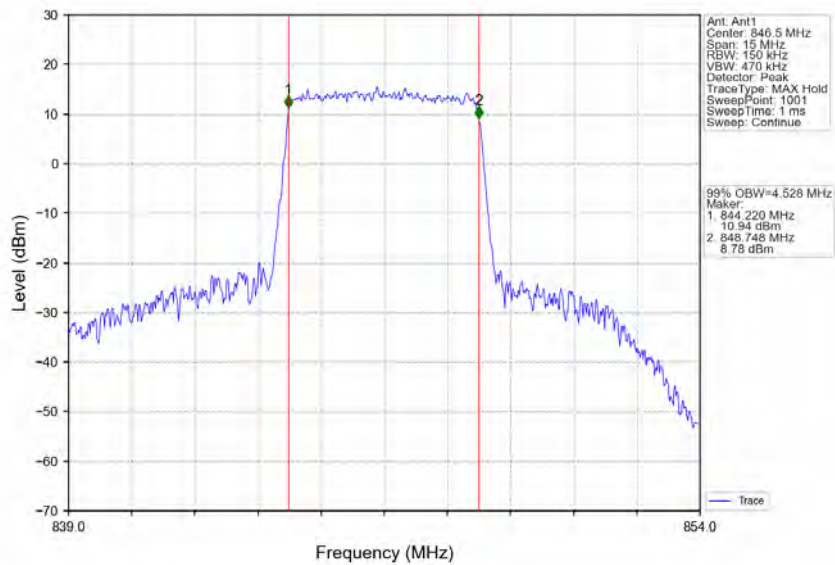
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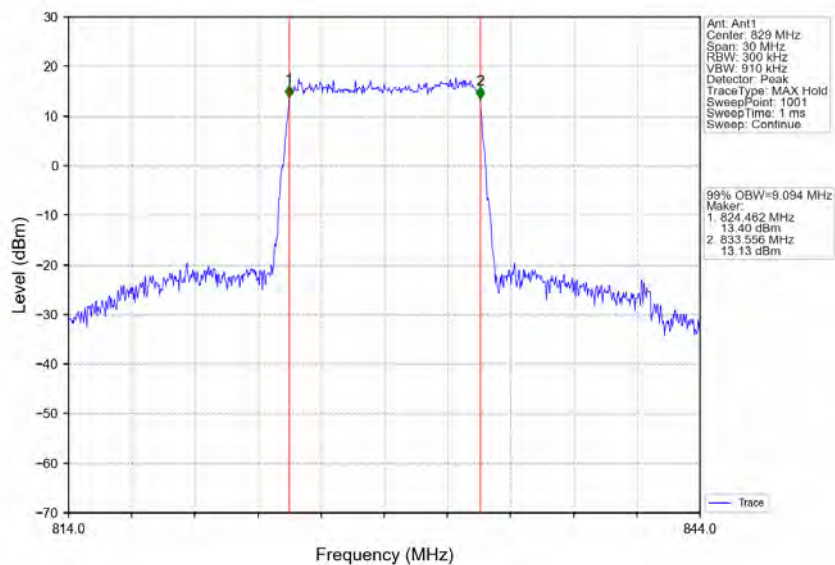
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Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



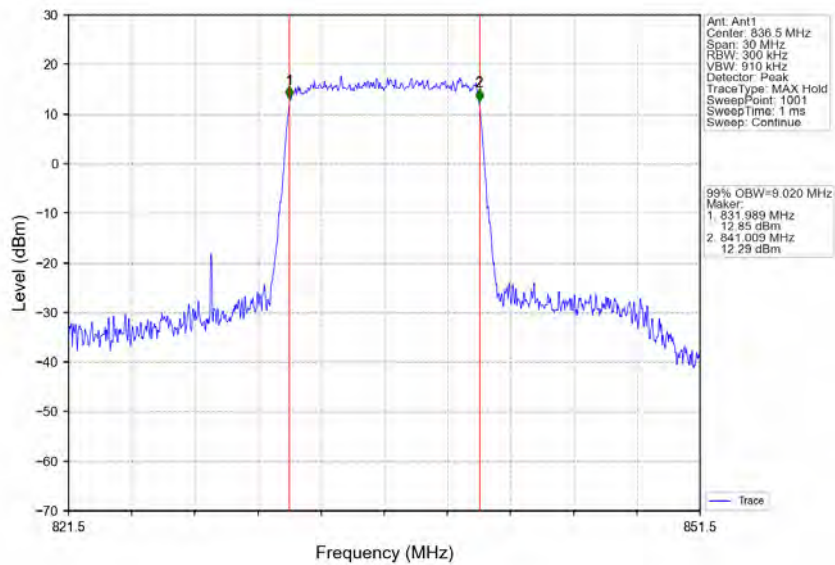
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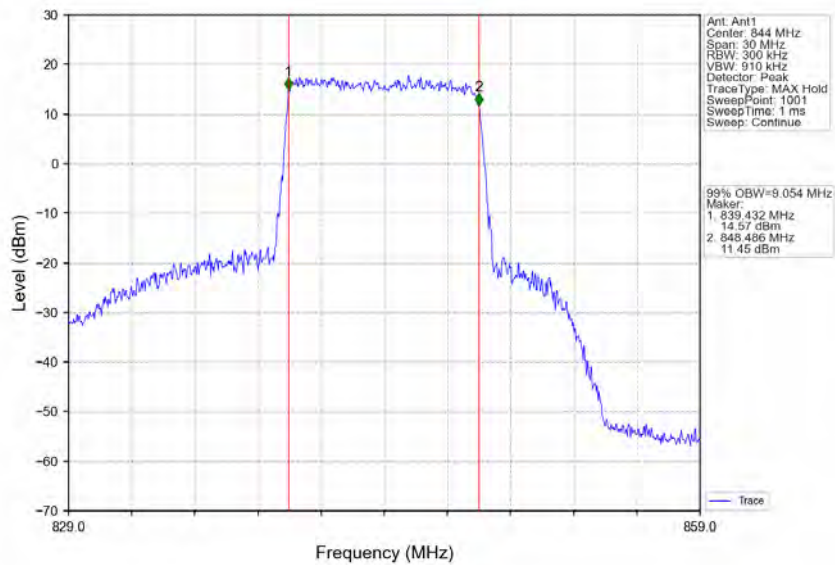
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



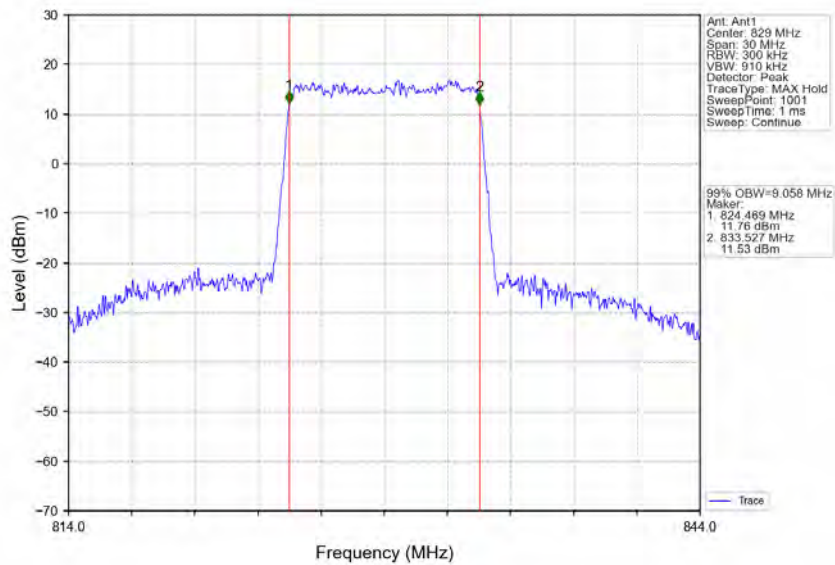
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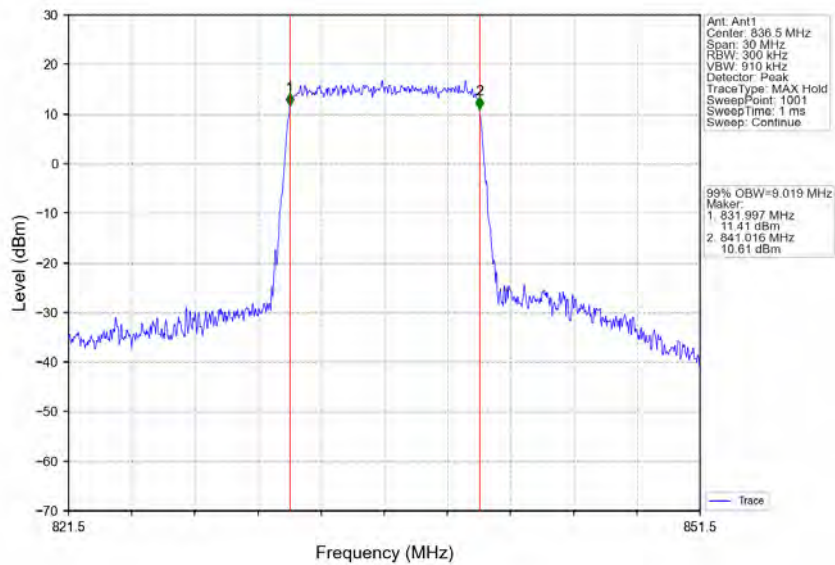
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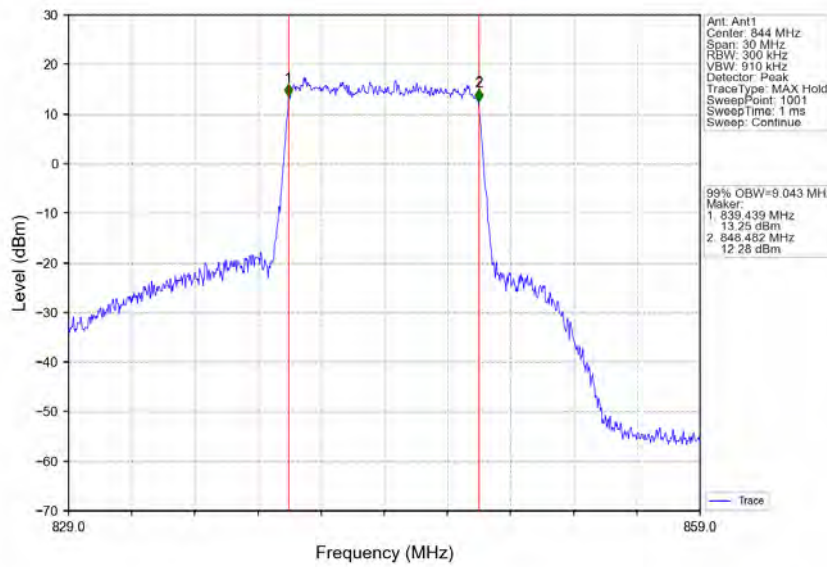
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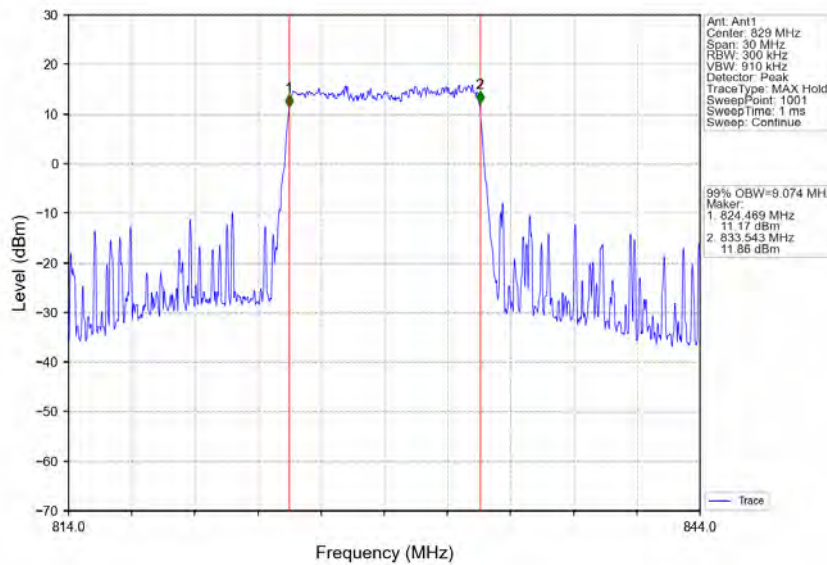
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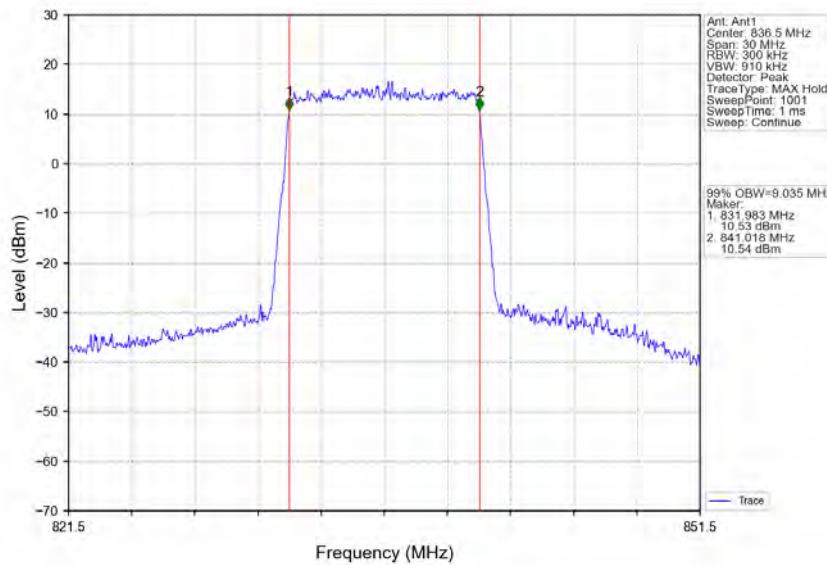
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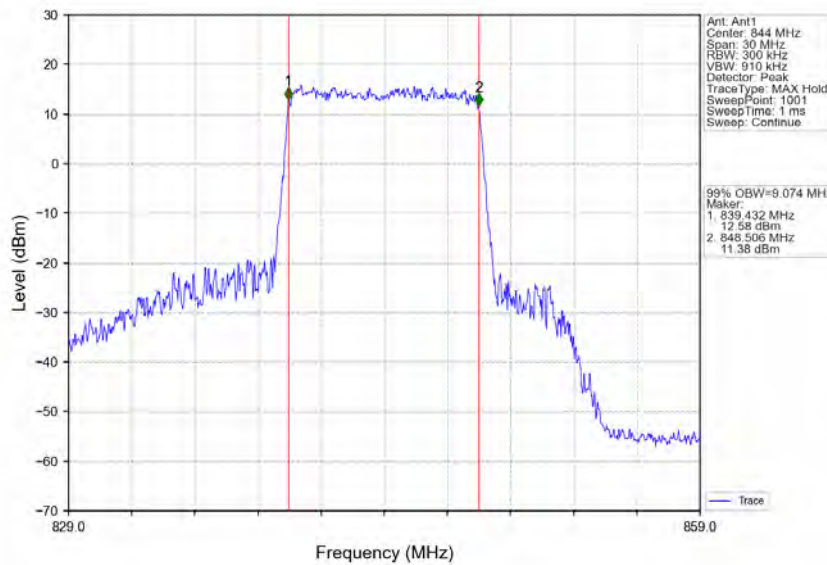
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4.2 Band5_XDB

4.2.1 Test Result

Band: 5 / NTVV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.333	Pass
		836.5	6	0	1.313	Pass
		848.3	6	0	1.286	Pass
	16QAM	824.7	6	0	1.283	Pass
		836.5	6	0	1.307	Pass
		848.3	6	0	1.281	Pass
	64QAM	824.7	6	0	1.317	Pass
		836.5	6	0	1.302	Pass
		848.3	6	0	1.303	Pass
3	QPSK	825.5	15	0	2.949	Pass
		836.5	15	0	2.979	Pass
		847.5	15	0	2.961	Pass
	16QAM	825.5	15	0	2.967	Pass
		836.5	15	0	2.959	Pass
		847.5	15	0	2.958	Pass
	64QAM	825.5	15	0	2.957	Pass
		836.5	15	0	2.972	Pass
		847.5	15	0	2.964	Pass
5	QPSK	826.5	25	0	4.992	Pass
		836.5	25	0	5.022	Pass
		846.5	25	0	4.961	Pass
	16QAM	826.5	25	0	5.007	Pass
		836.5	25	0	5.009	Pass
		846.5	25	0	5.007	Pass
	64QAM	826.5	25	0	4.976	Pass
		836.5	25	0	5.006	Pass
		846.5	25	0	4.997	Pass
10	QPSK	829	50	0	10.027	Pass
		836.5	50	0	9.848	Pass
		844	50	0	9.887	Pass
	16QAM	829	50	0	9.948	Pass
		836.5	50	0	9.863	Pass
		844	50	0	9.848	Pass
	64QAM	829	50	0	12.890	Pass
		836.5	50	0	9.906	Pass
		844	50	0	9.871	Pass



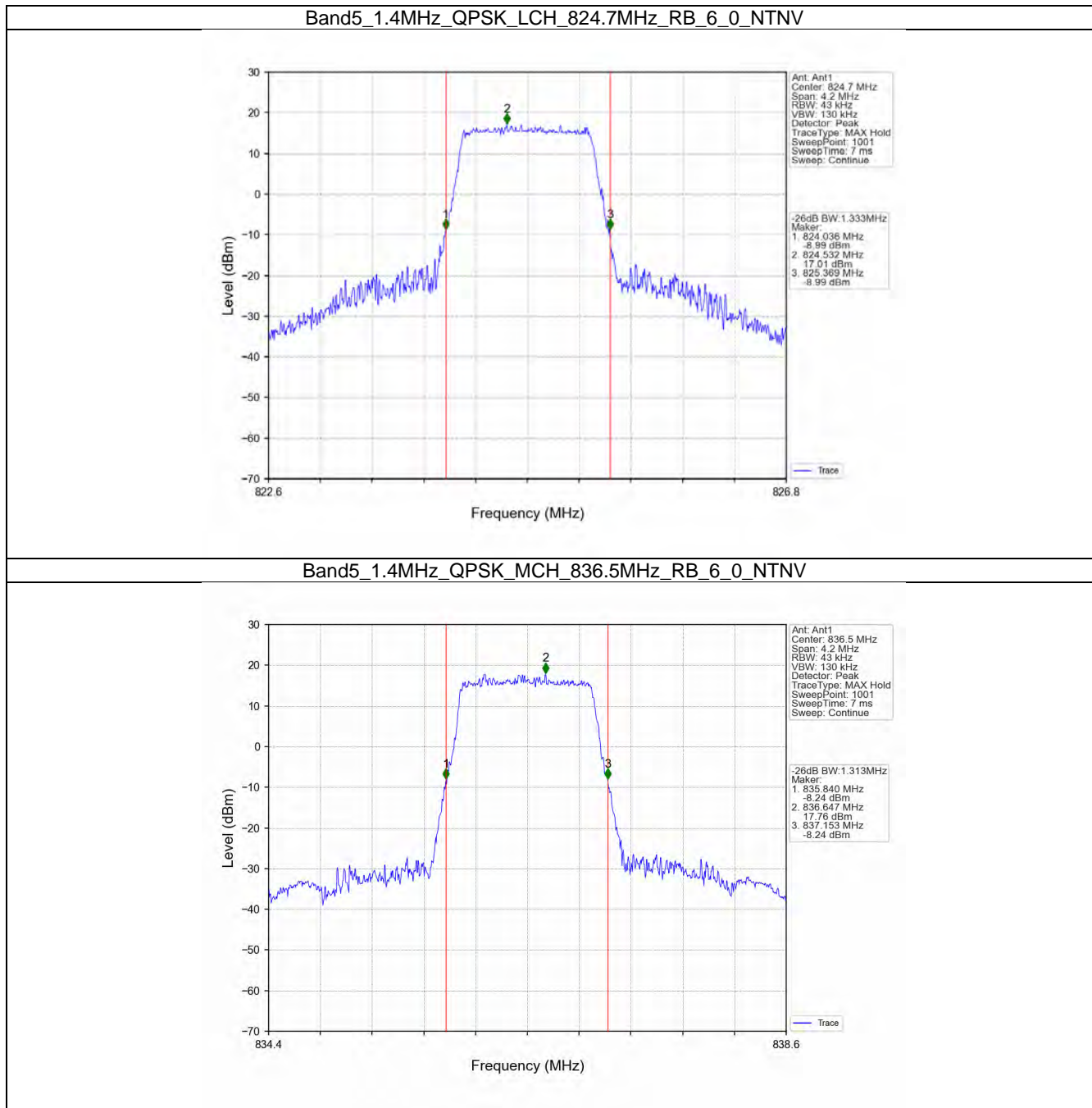
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4.2.2 Test Graph



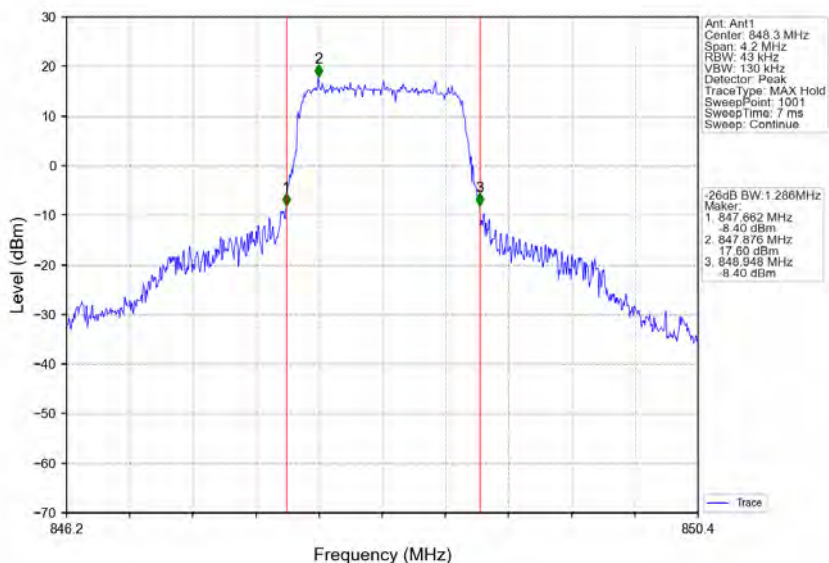
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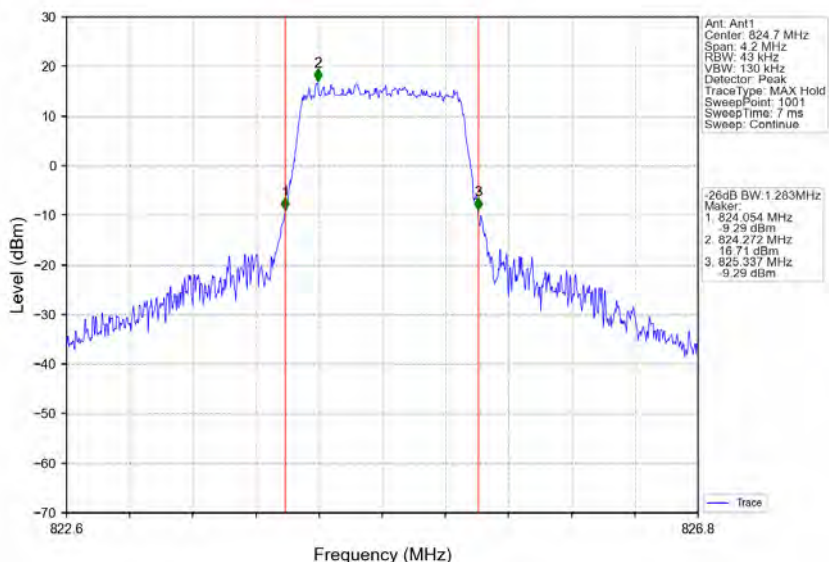
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Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



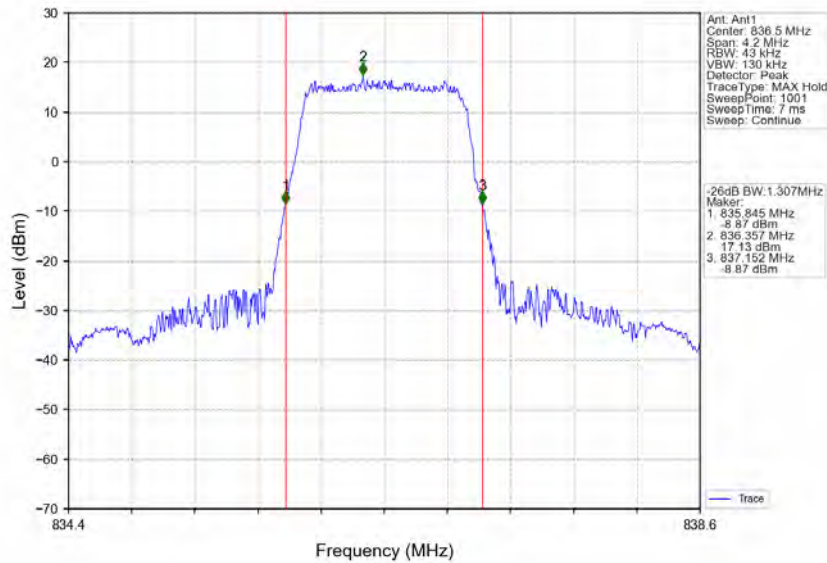
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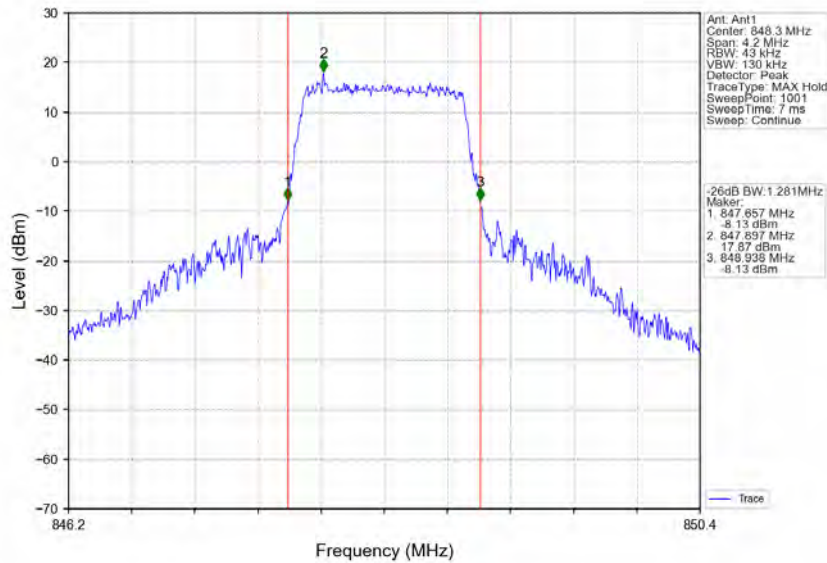
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Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



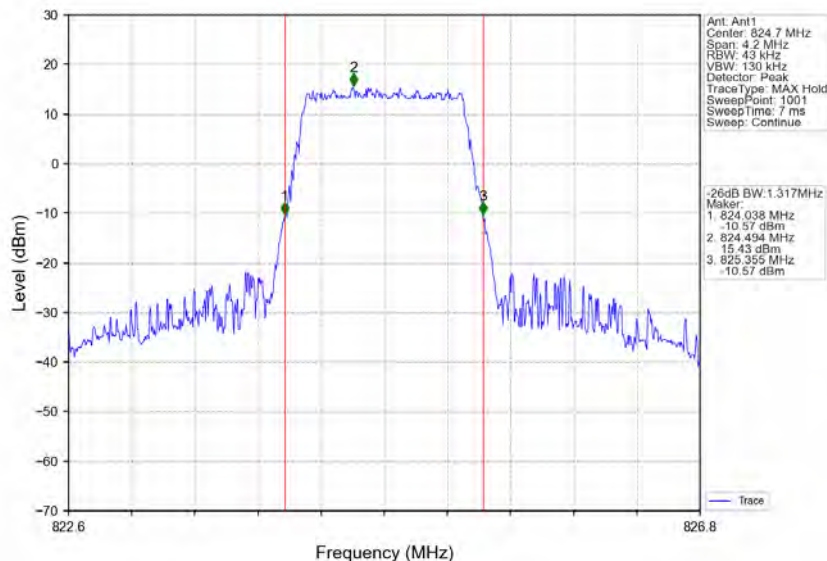
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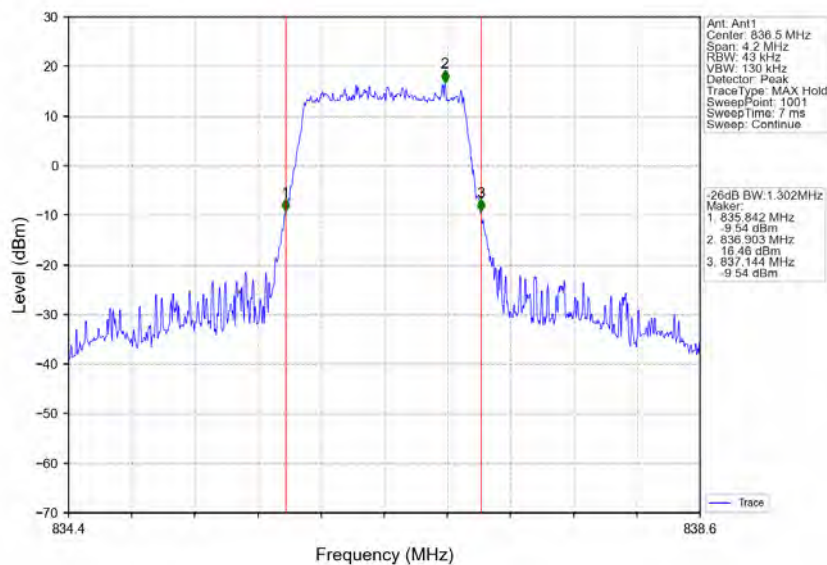
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



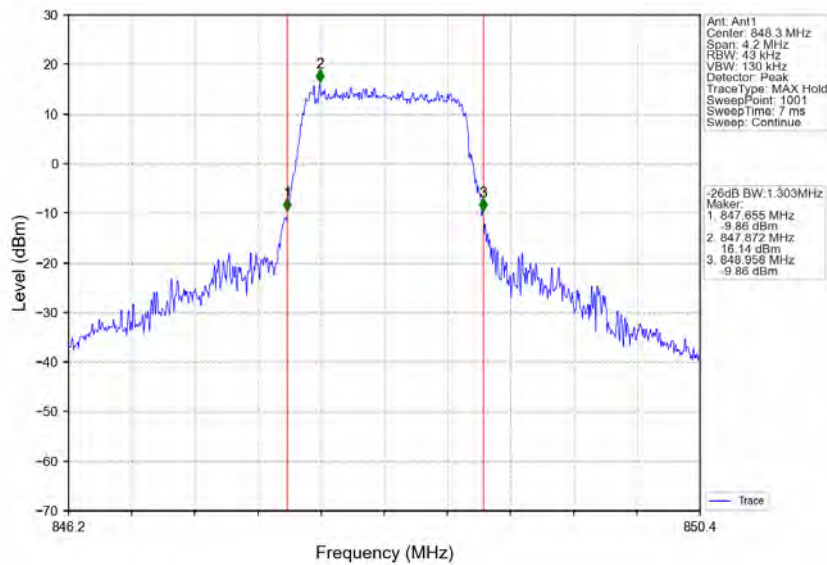
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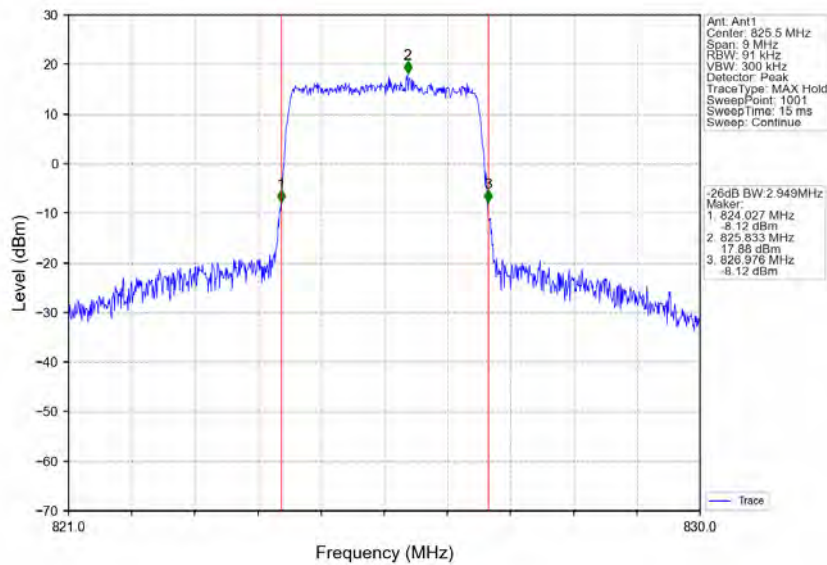
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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



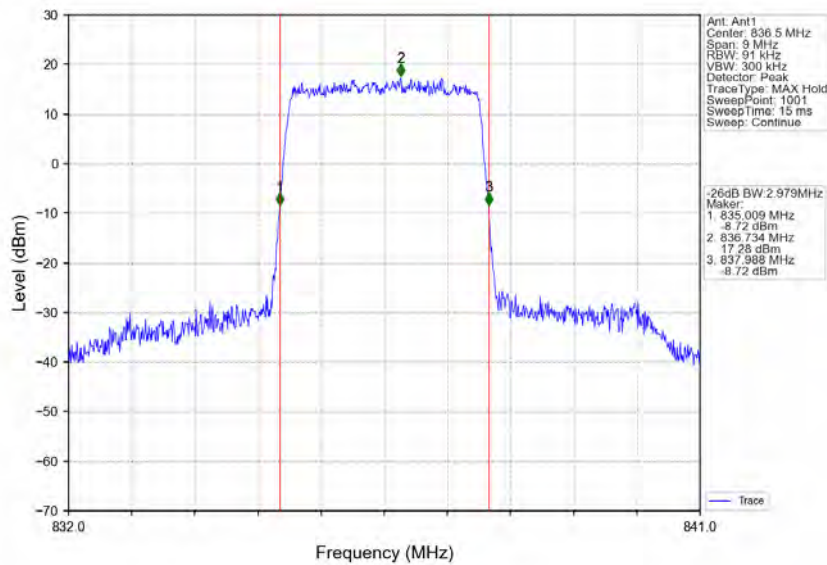
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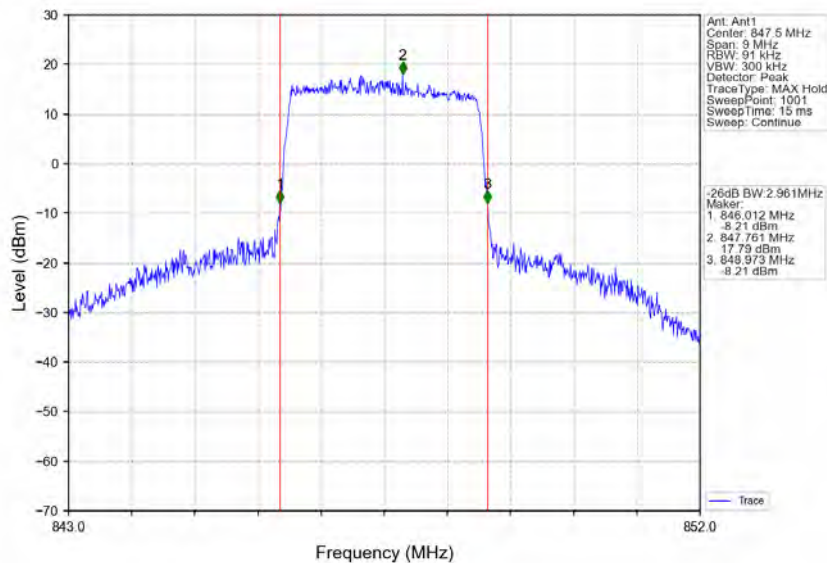
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Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



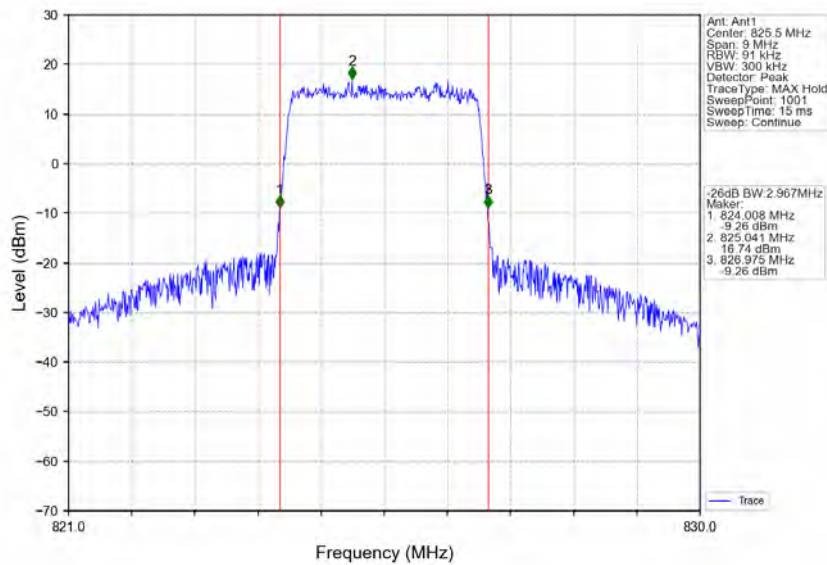
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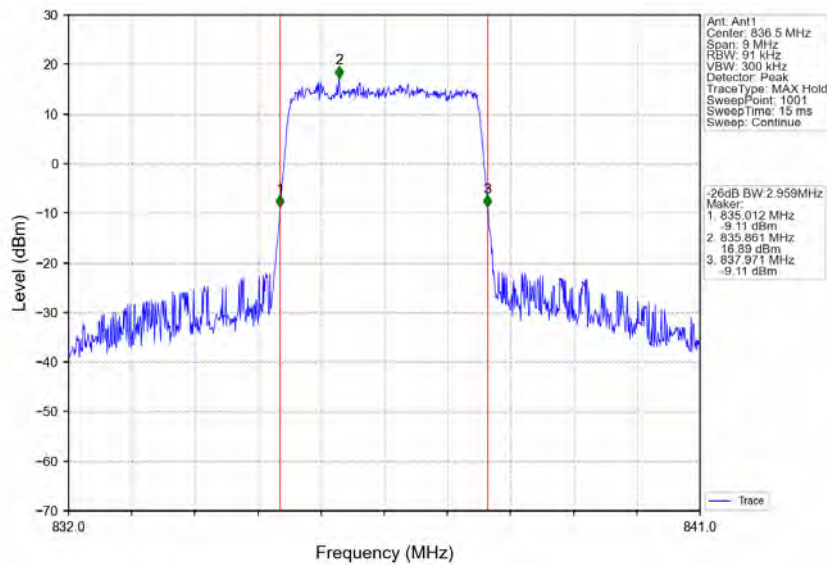
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Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



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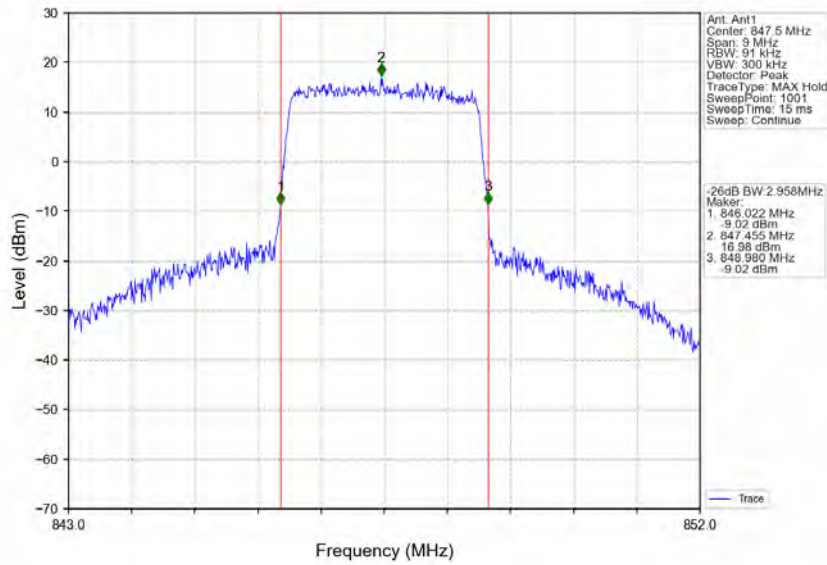
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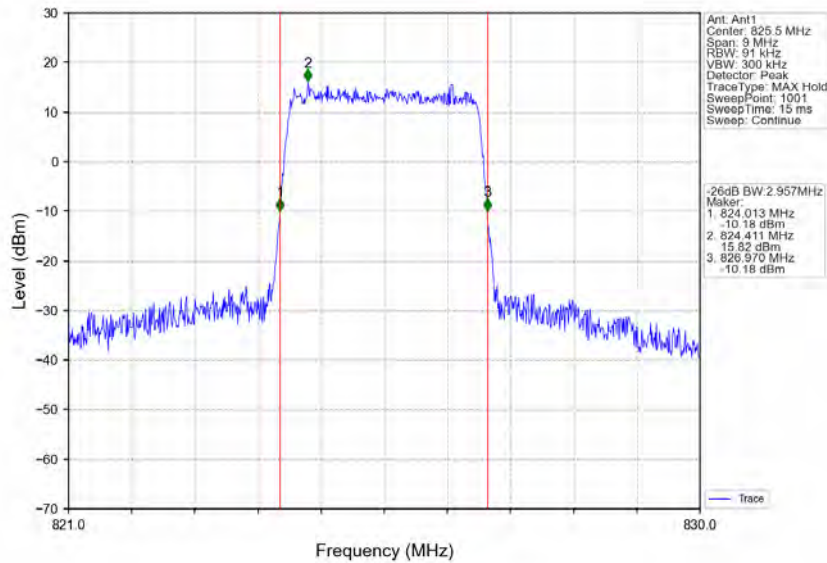
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Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



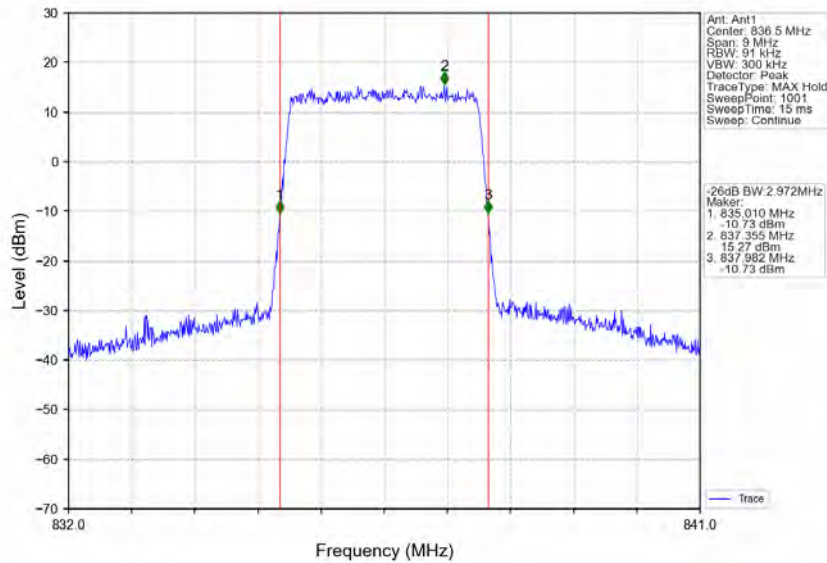
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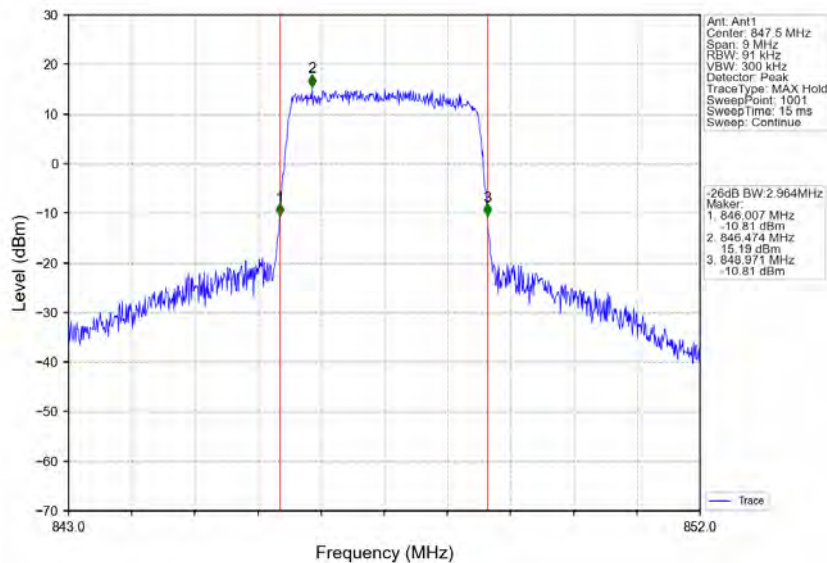
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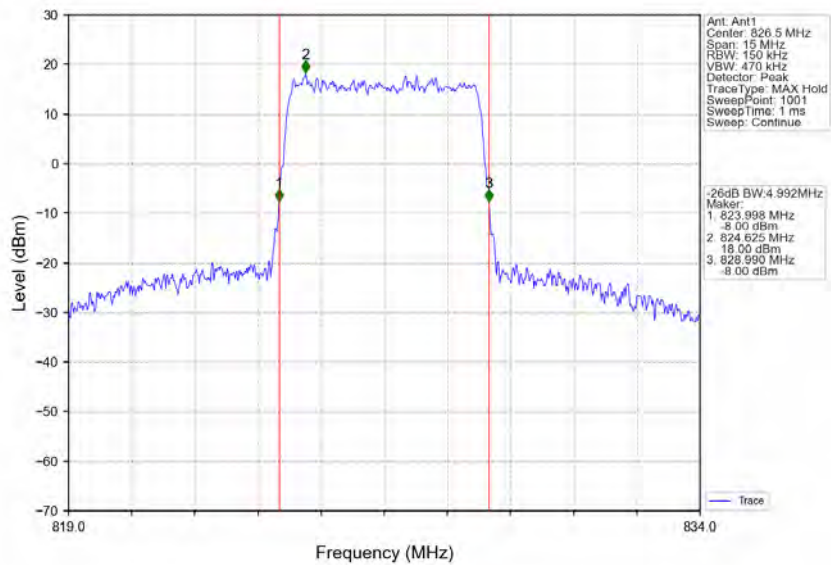
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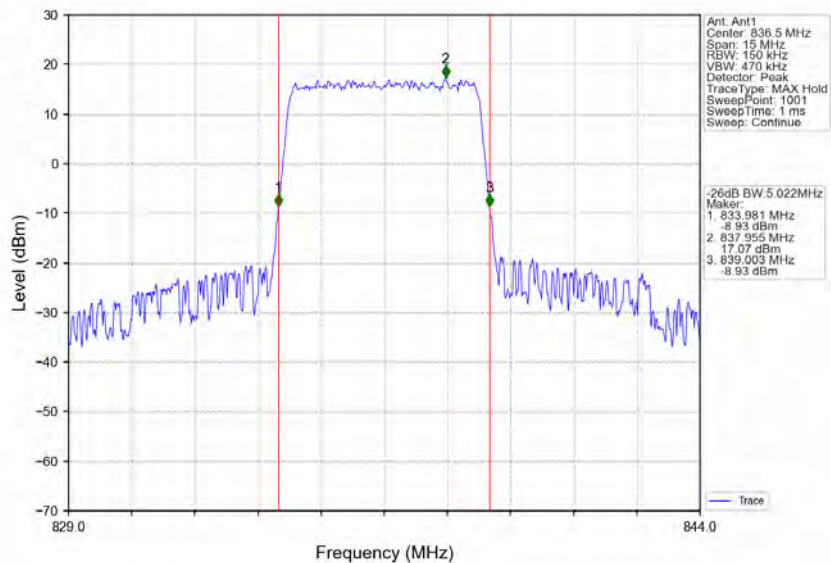
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Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



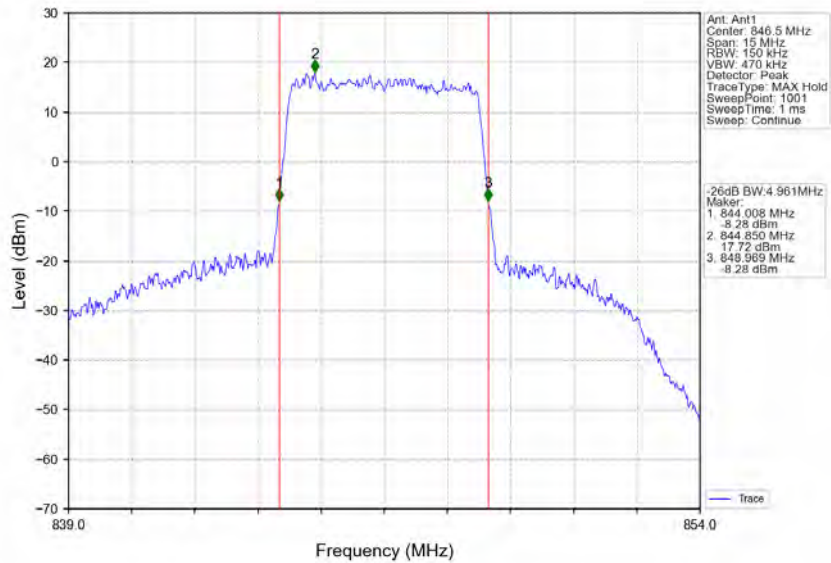
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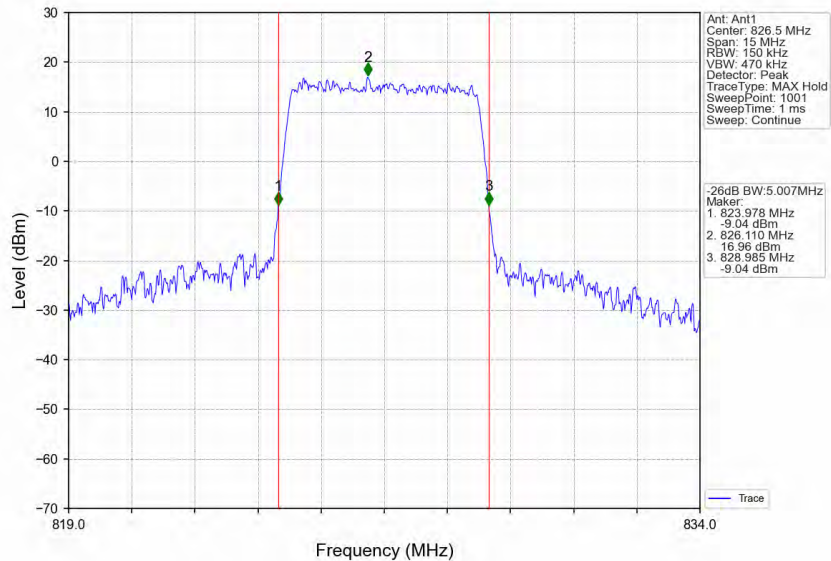
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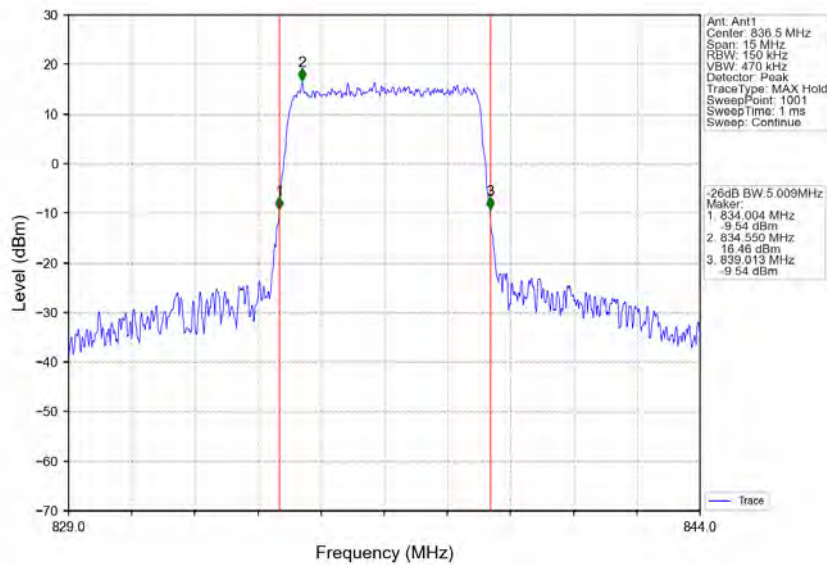
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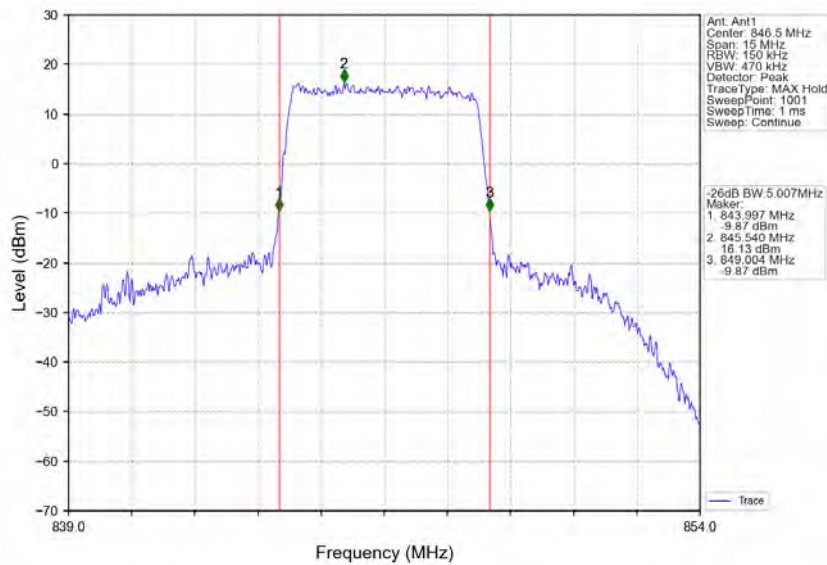
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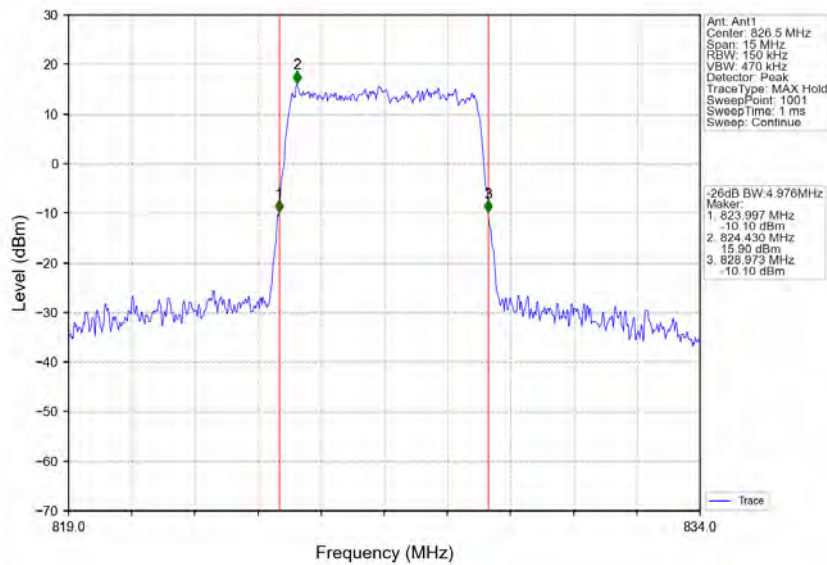
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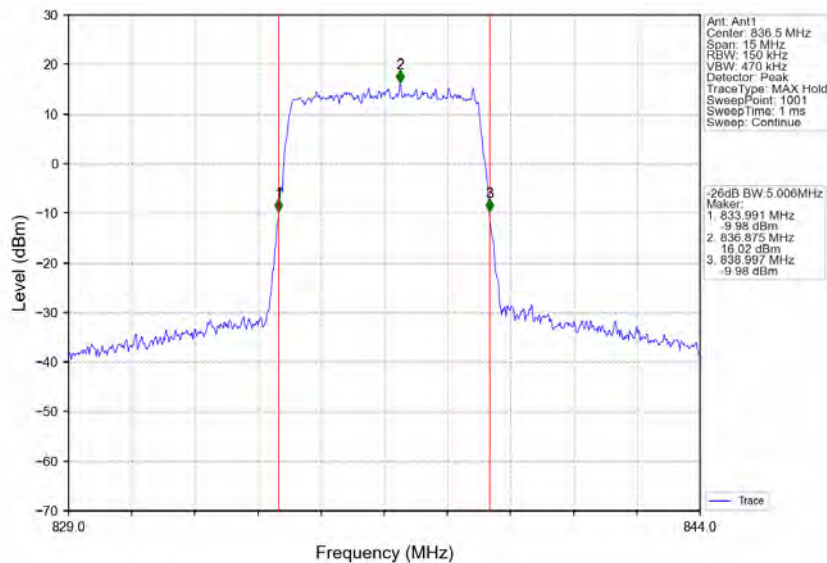
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Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



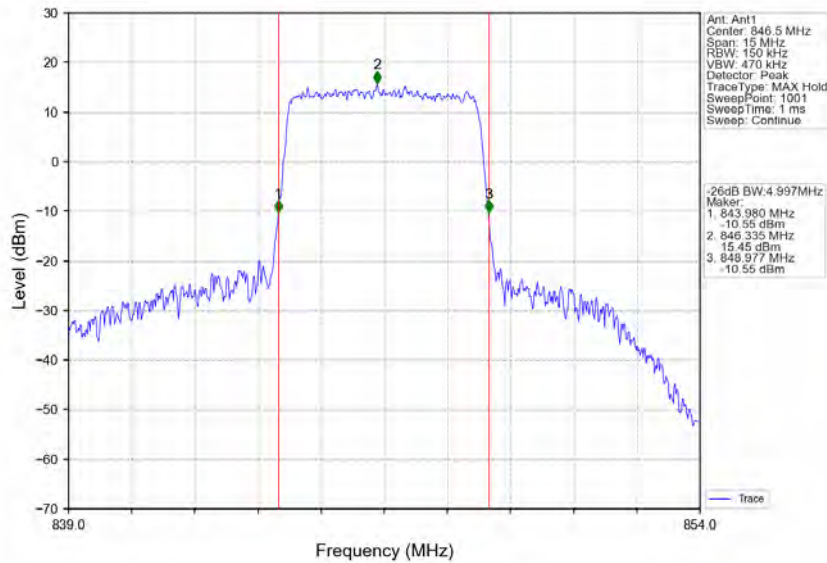
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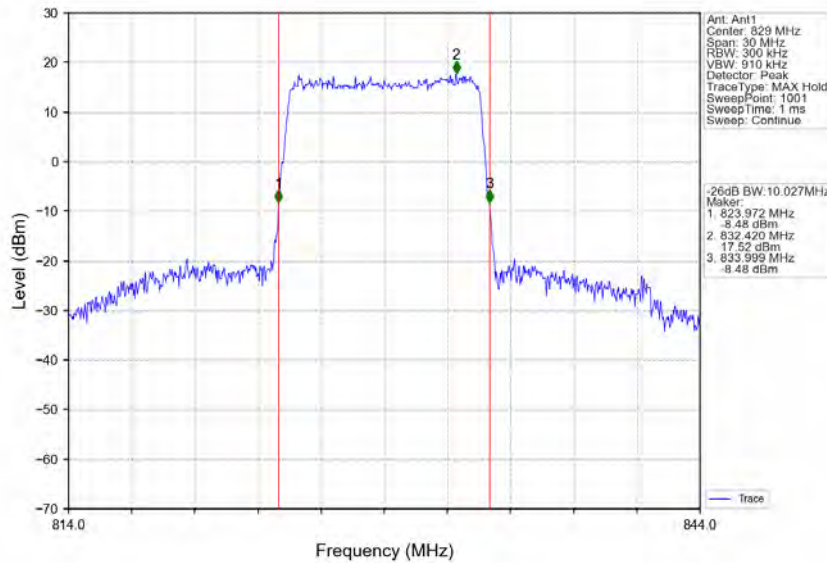
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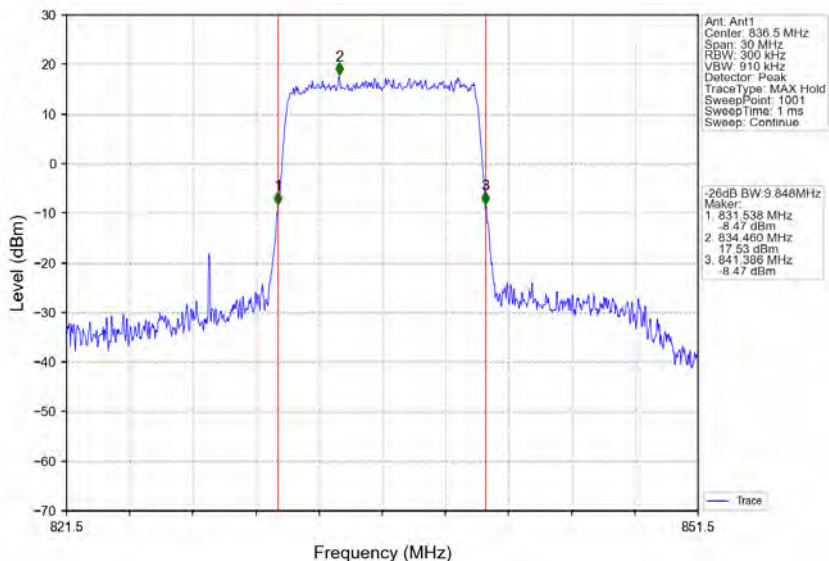
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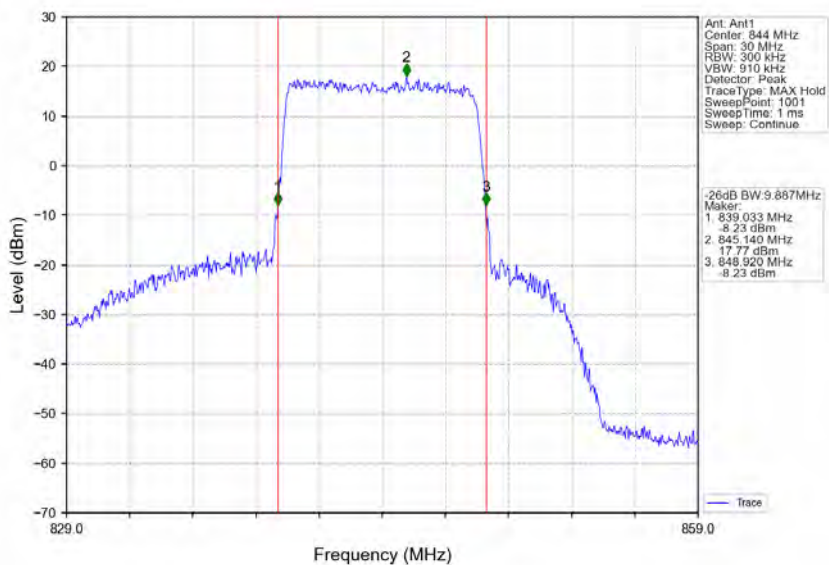
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



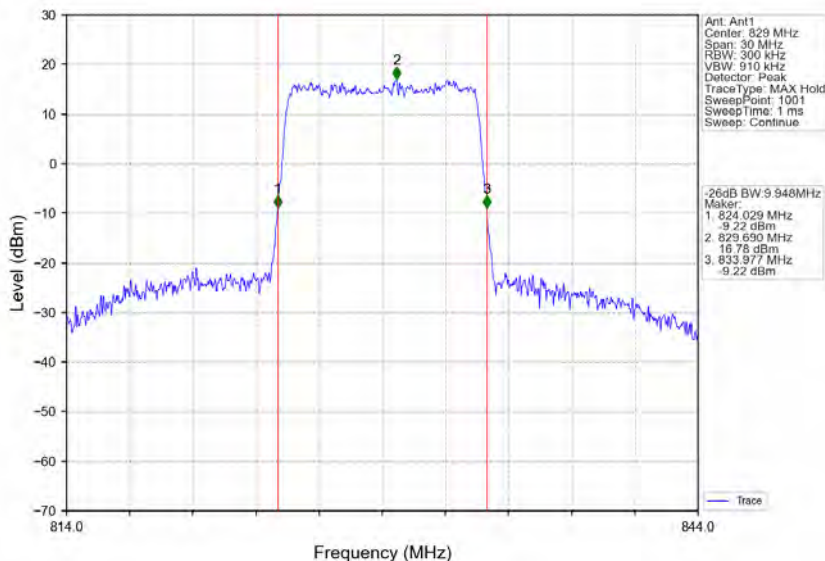
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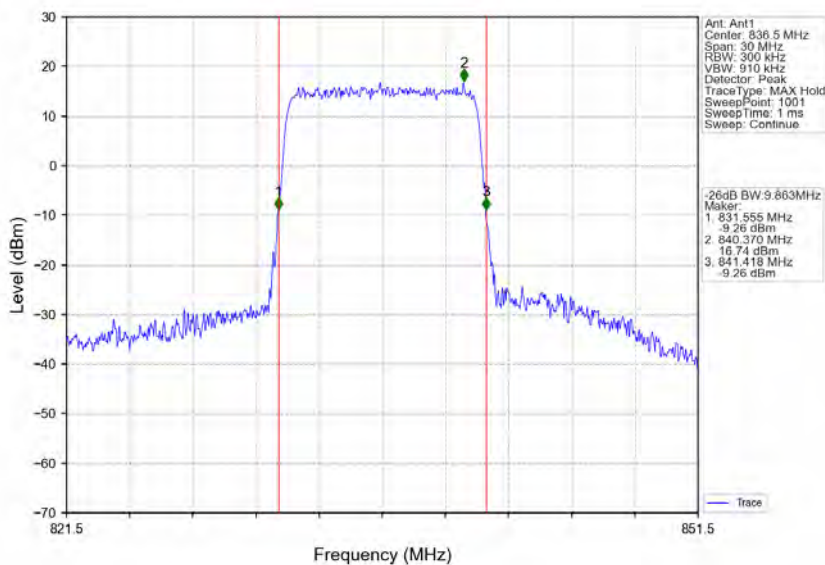
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Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



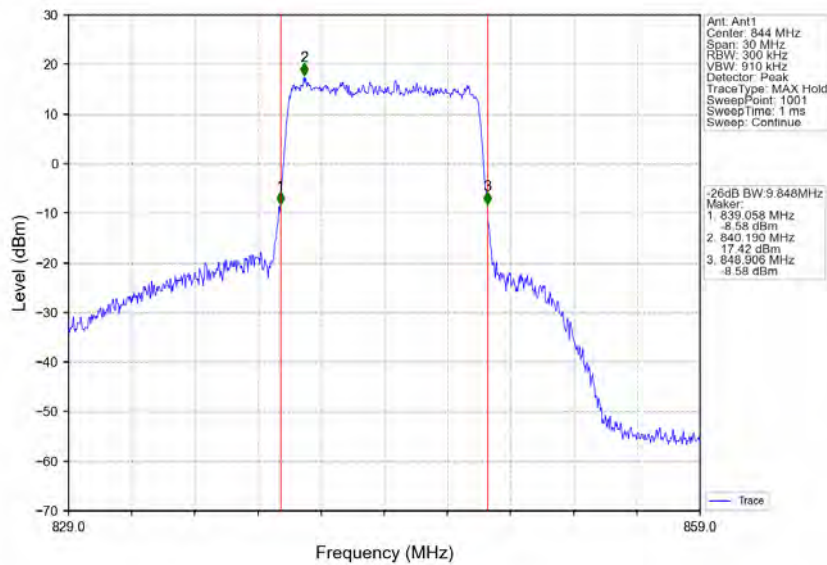
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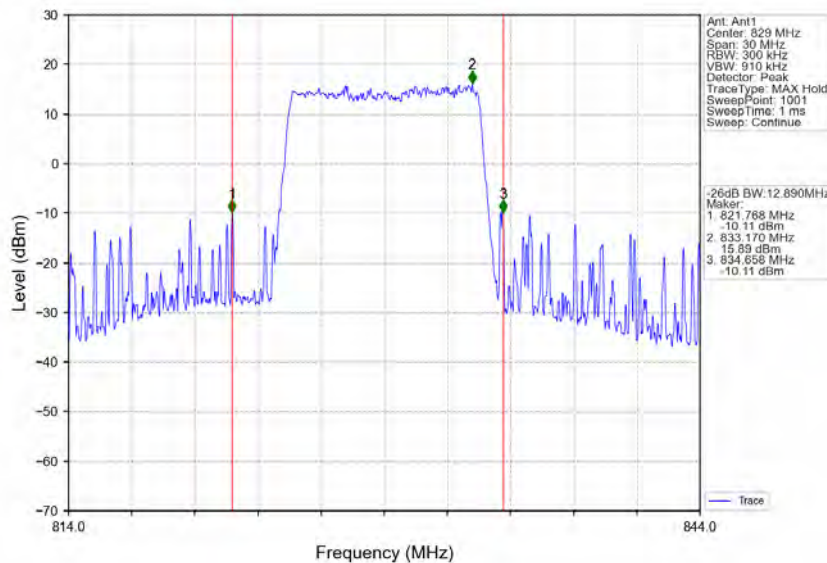
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Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



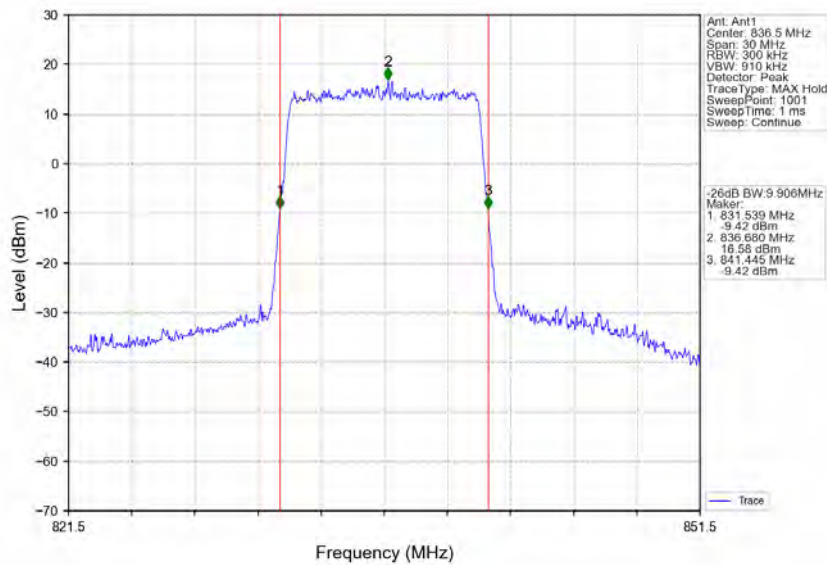
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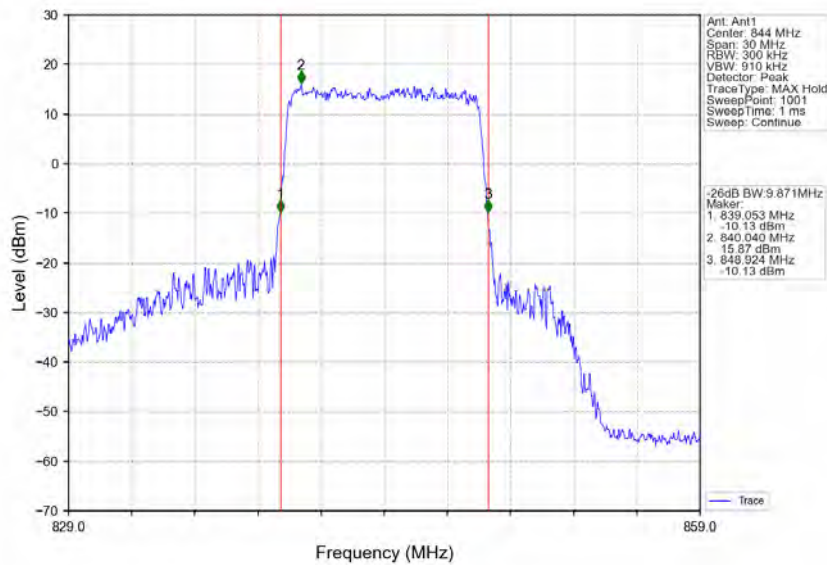
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Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



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5. Peak-Average Ratio

5.1 B5_1.4MHz

5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.07	<=13	Pass
	836.5	6	0	5.52	<=13	Pass
	848.3	6	0	4.13	<=13	Pass
16QAM	824.7	6	0	5.95	<=13	Pass
	836.5	6	0	6.29	<=13	Pass
	848.3	6	0	5.06	<=13	Pass
64QAM	824.7	6	0	6.19	<=13	Pass
	836.5	6	0	6.69	<=13	Pass
	848.3	6	0	5.76	<=13	Pass



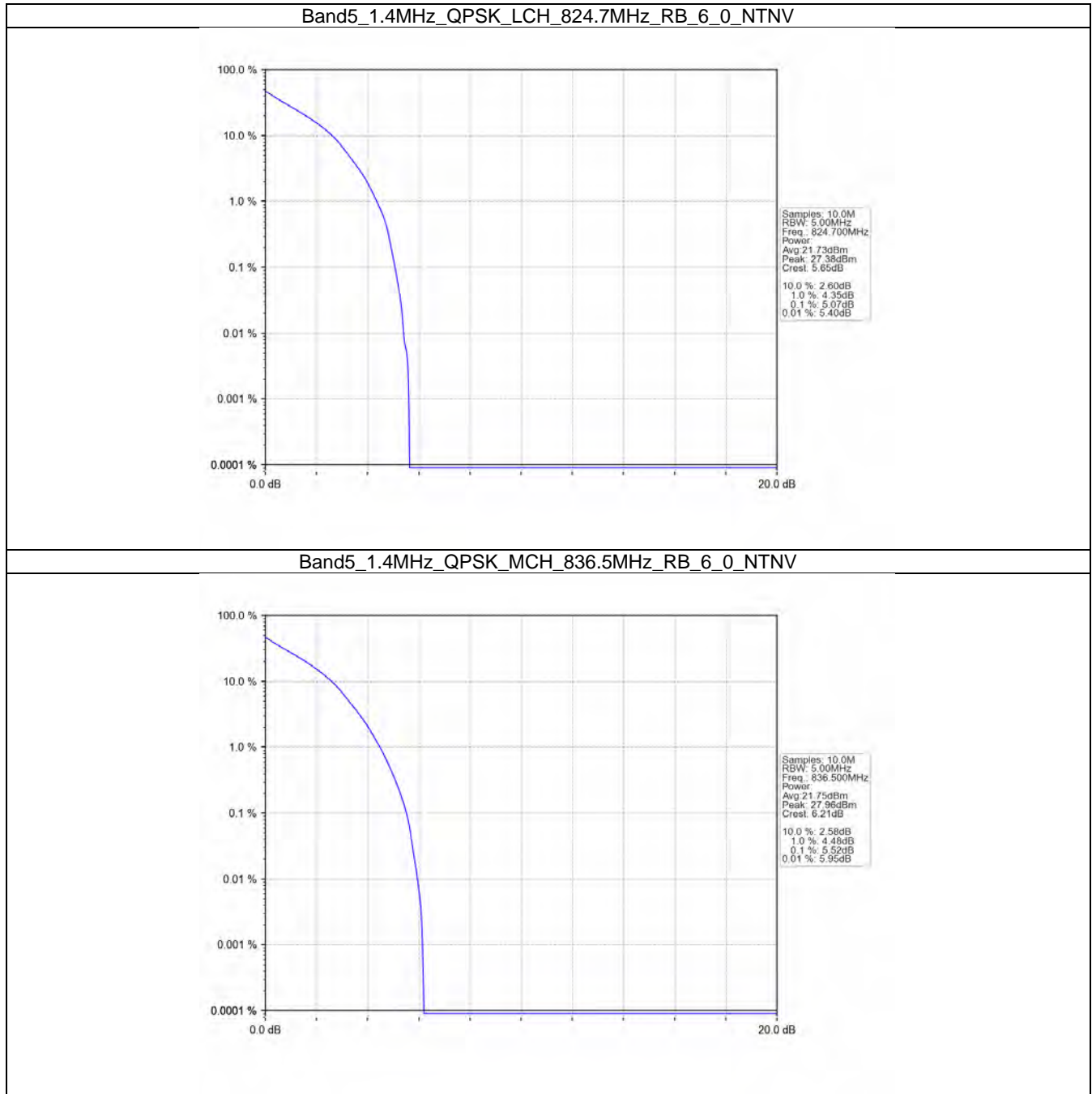
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5.1.2 Test Graph



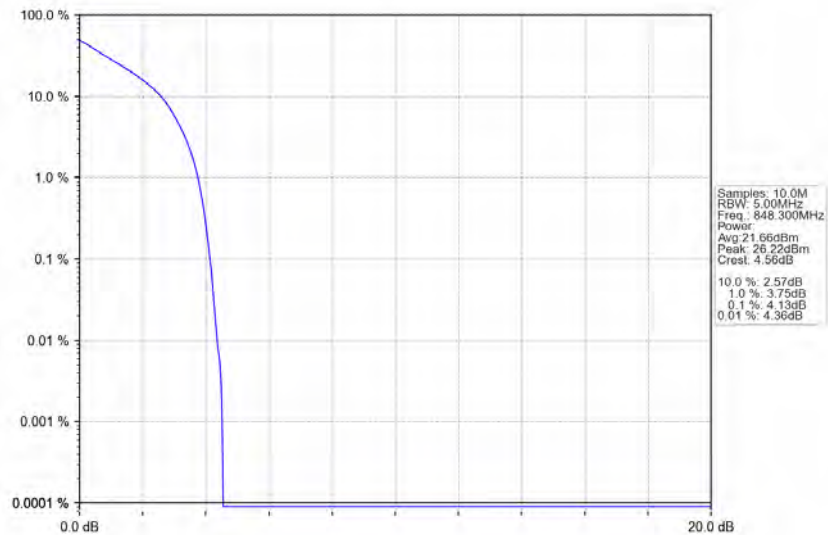
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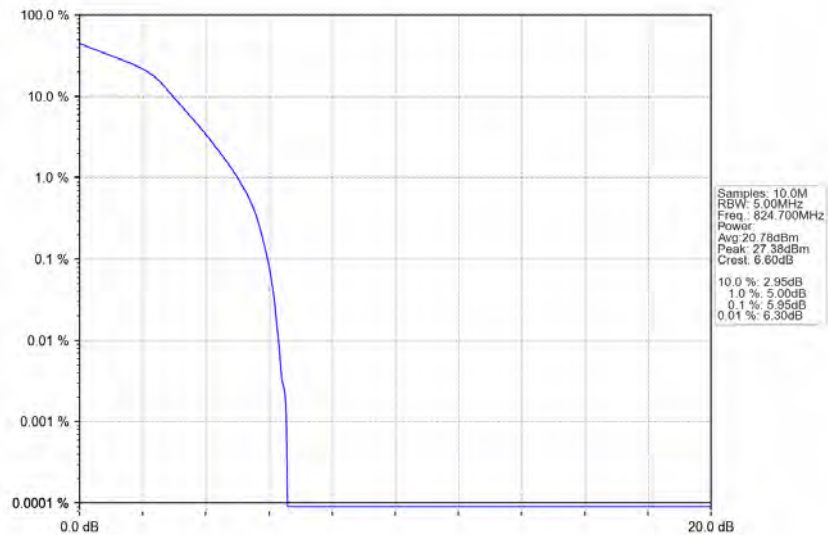
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



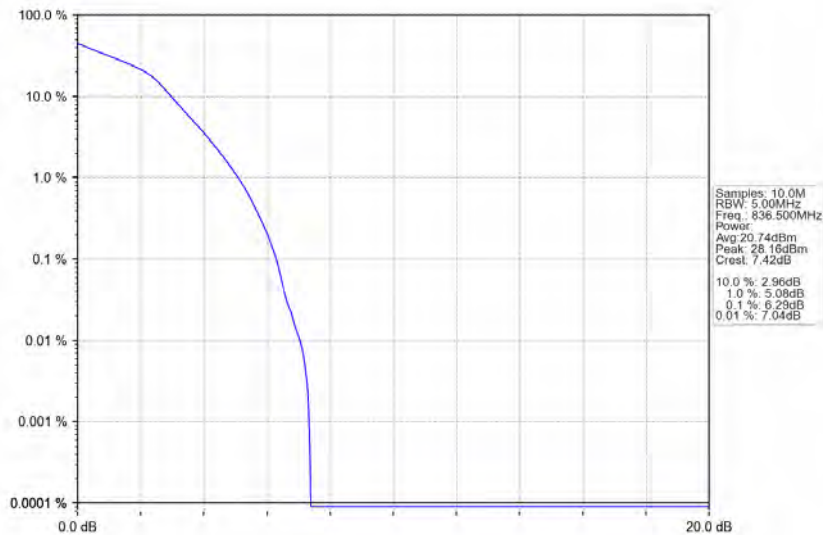
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



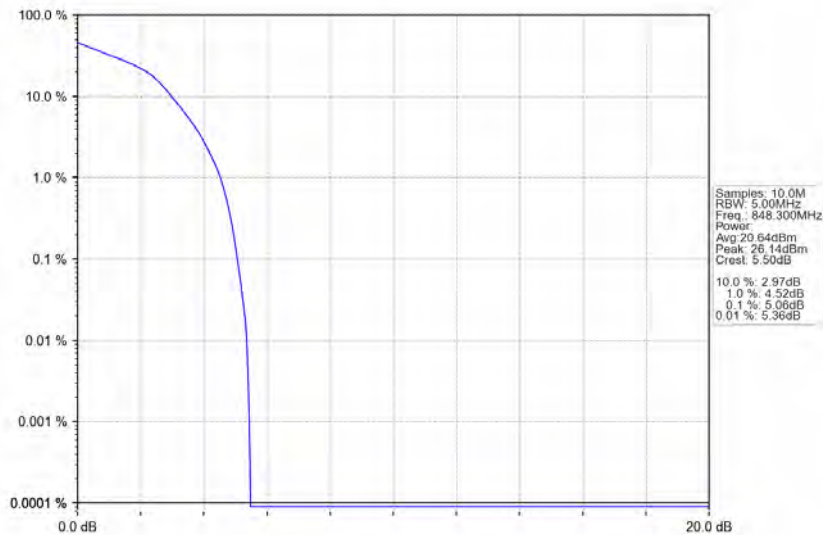
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



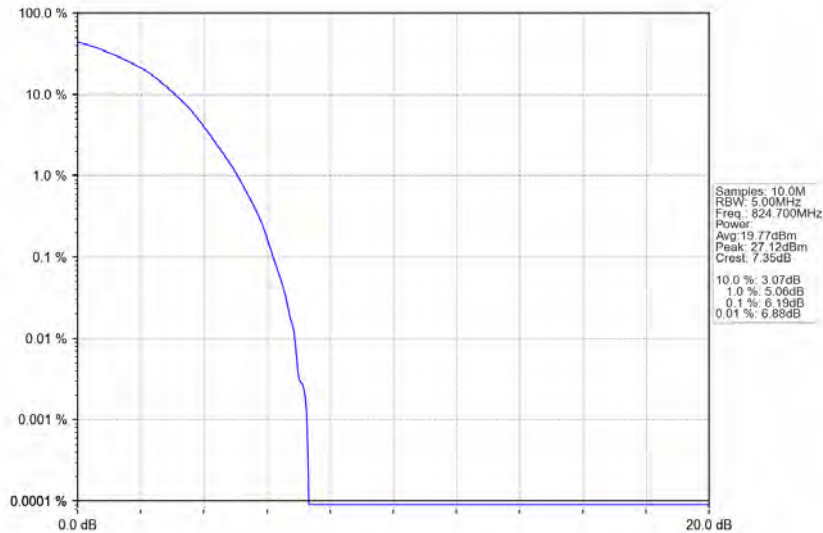
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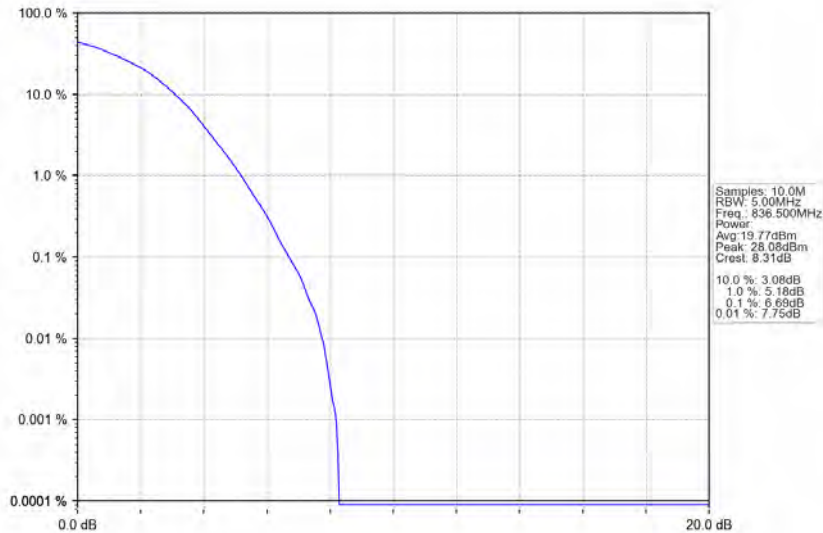
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



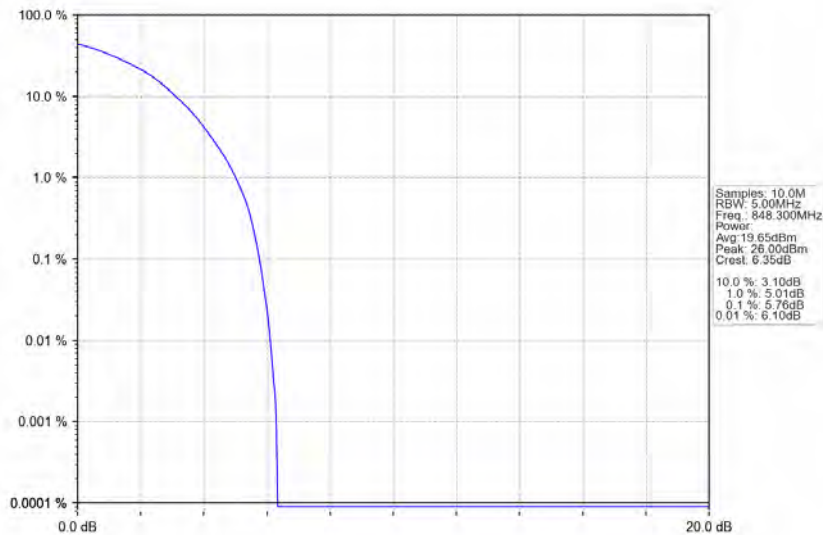
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTV



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5.2 B5_3MHz

5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.34	<=13	Pass
	836.5	15	0	5.53	<=13	Pass
	847.5	15	0	4.80	<=13	Pass
16QAM	825.5	15	0	6.20	<=13	Pass
	836.5	15	0	6.34	<=13	Pass
	847.5	15	0	5.66	<=13	Pass
64QAM	825.5	15	0	6.50	<=13	Pass
	836.5	15	0	6.59	<=13	Pass
	847.5	15	0	6.17	<=13	Pass

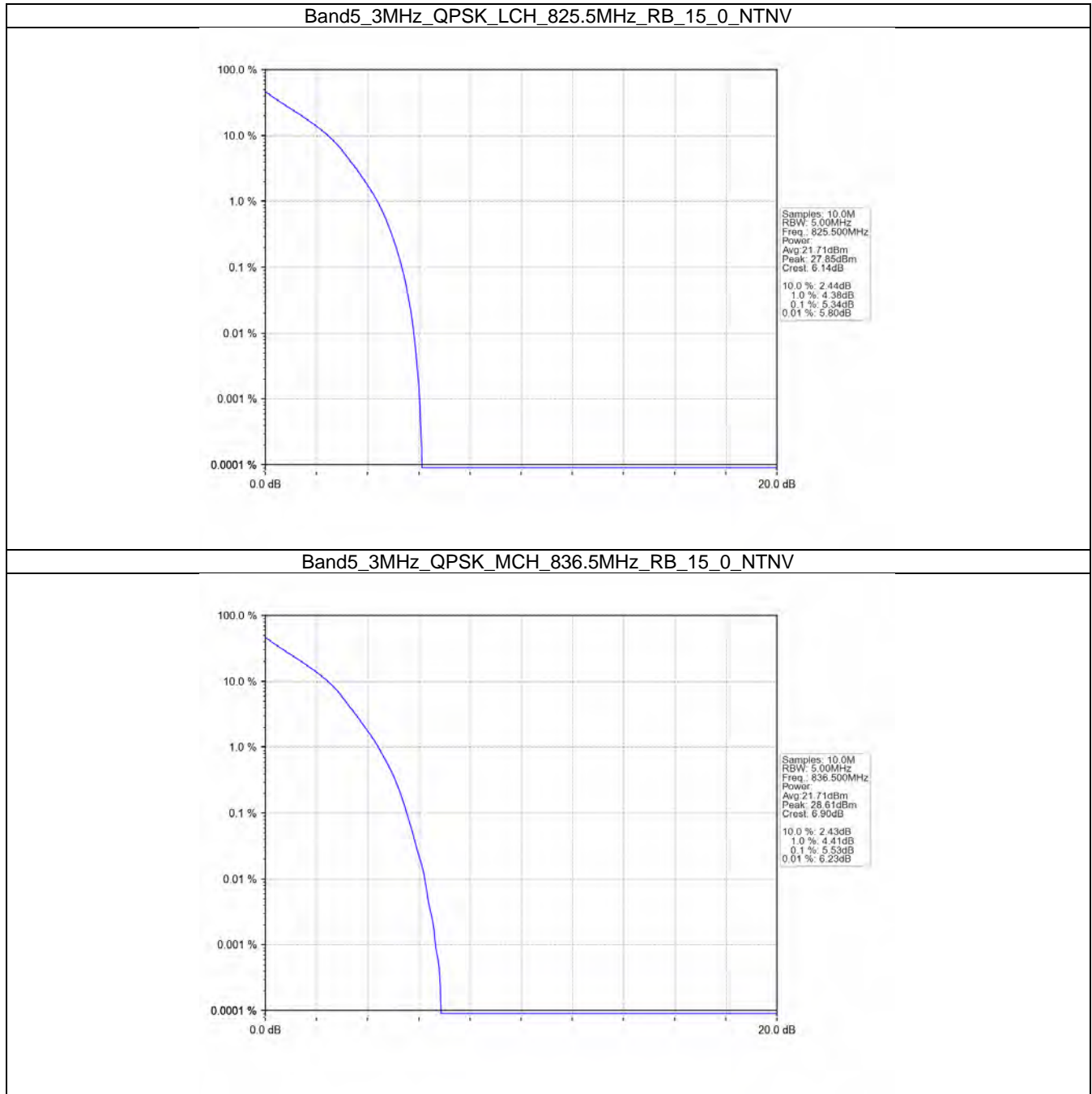


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5.2.2 Test Graph



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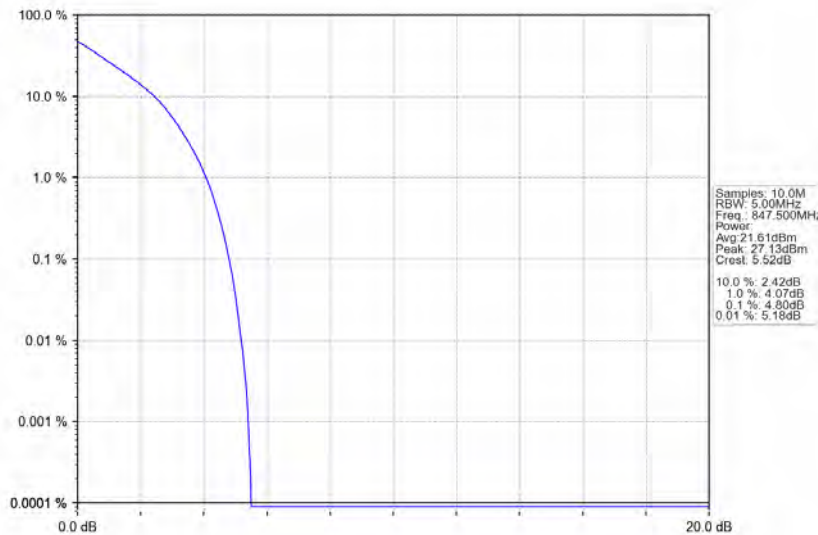
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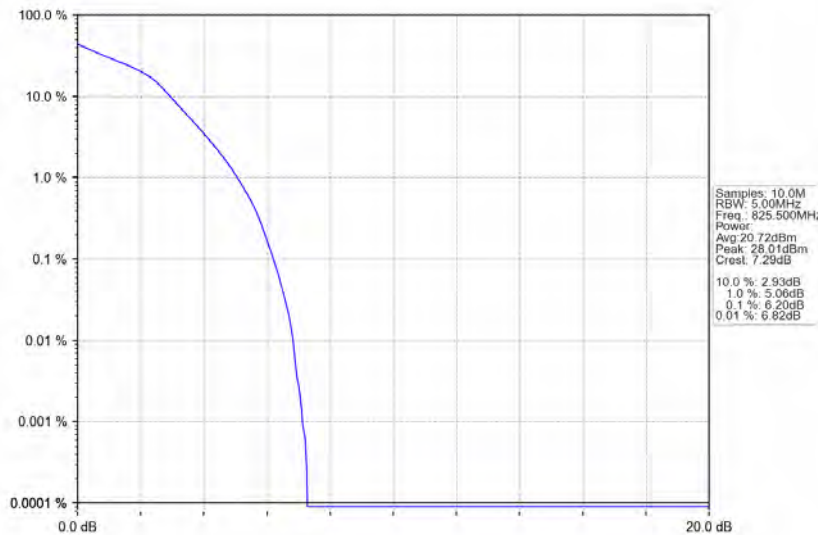
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Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



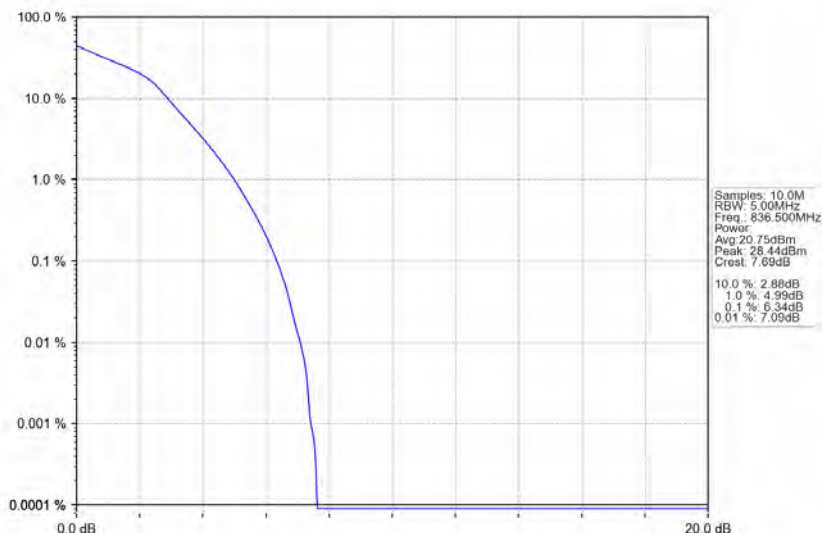
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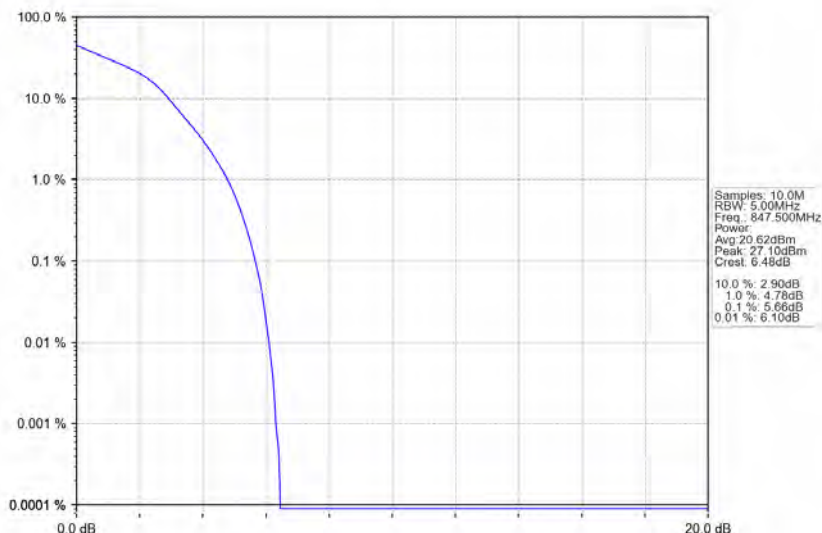
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Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



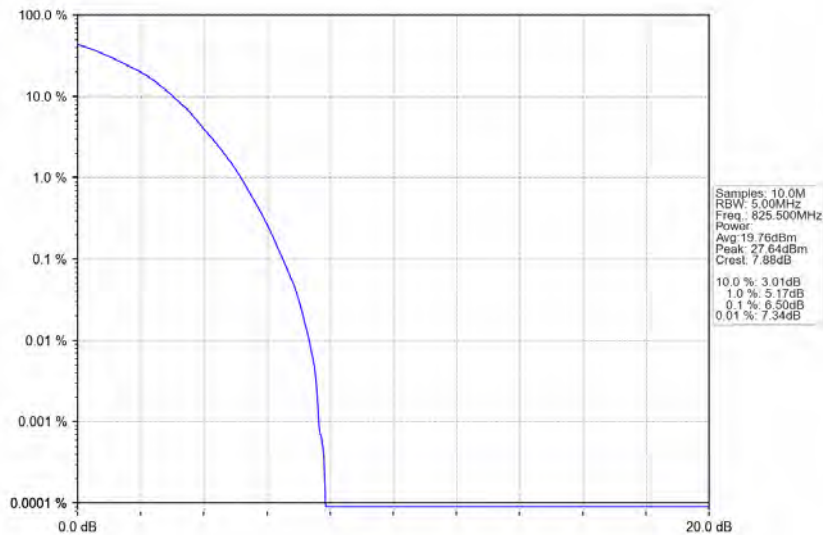
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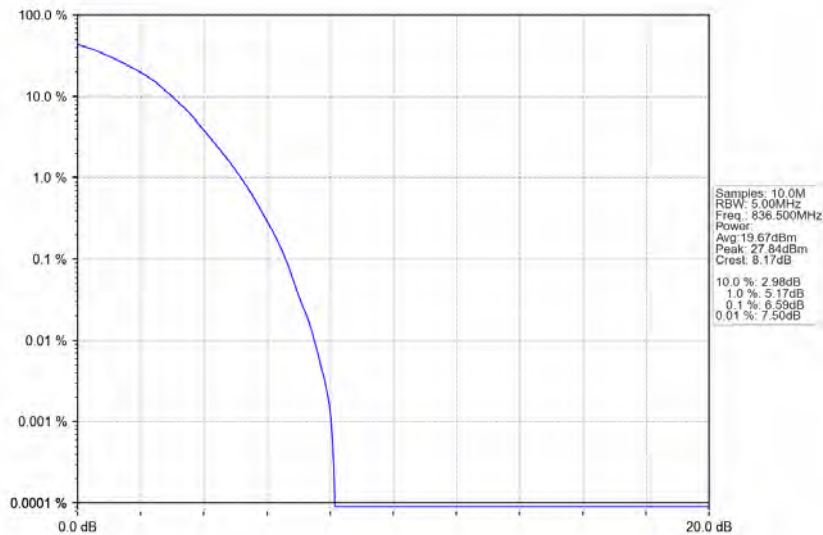
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Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



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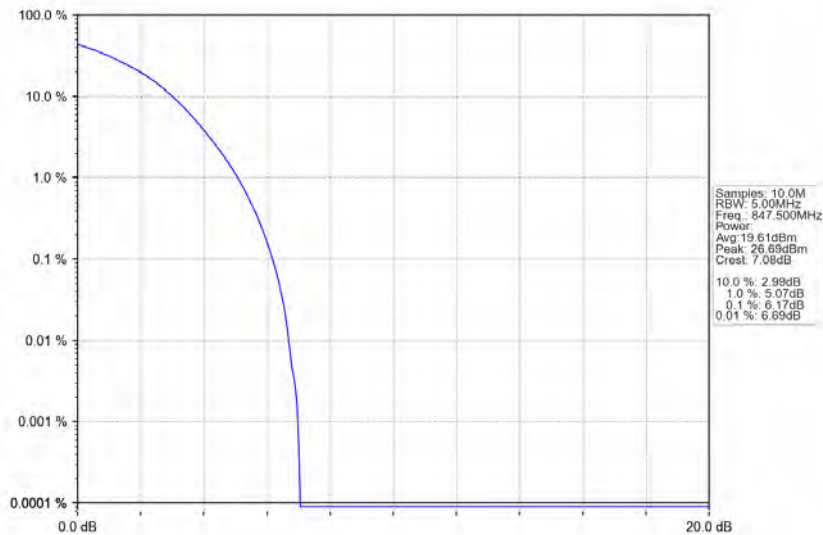
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5.3 B5_5MHz

5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.67	<=13	Pass
	836.5	25	0	5.67	<=13	Pass
	846.5	25	0	5.27	<=13	Pass
16QAM	826.5	25	0	6.34	<=13	Pass
	836.5	25	0	6.36	<=13	Pass
	846.5	25	0	6.04	<=13	Pass
64QAM	826.5	25	0	6.64	<=13	Pass
	836.5	25	0	6.56	<=13	Pass
	846.5	25	0	6.42	<=13	Pass



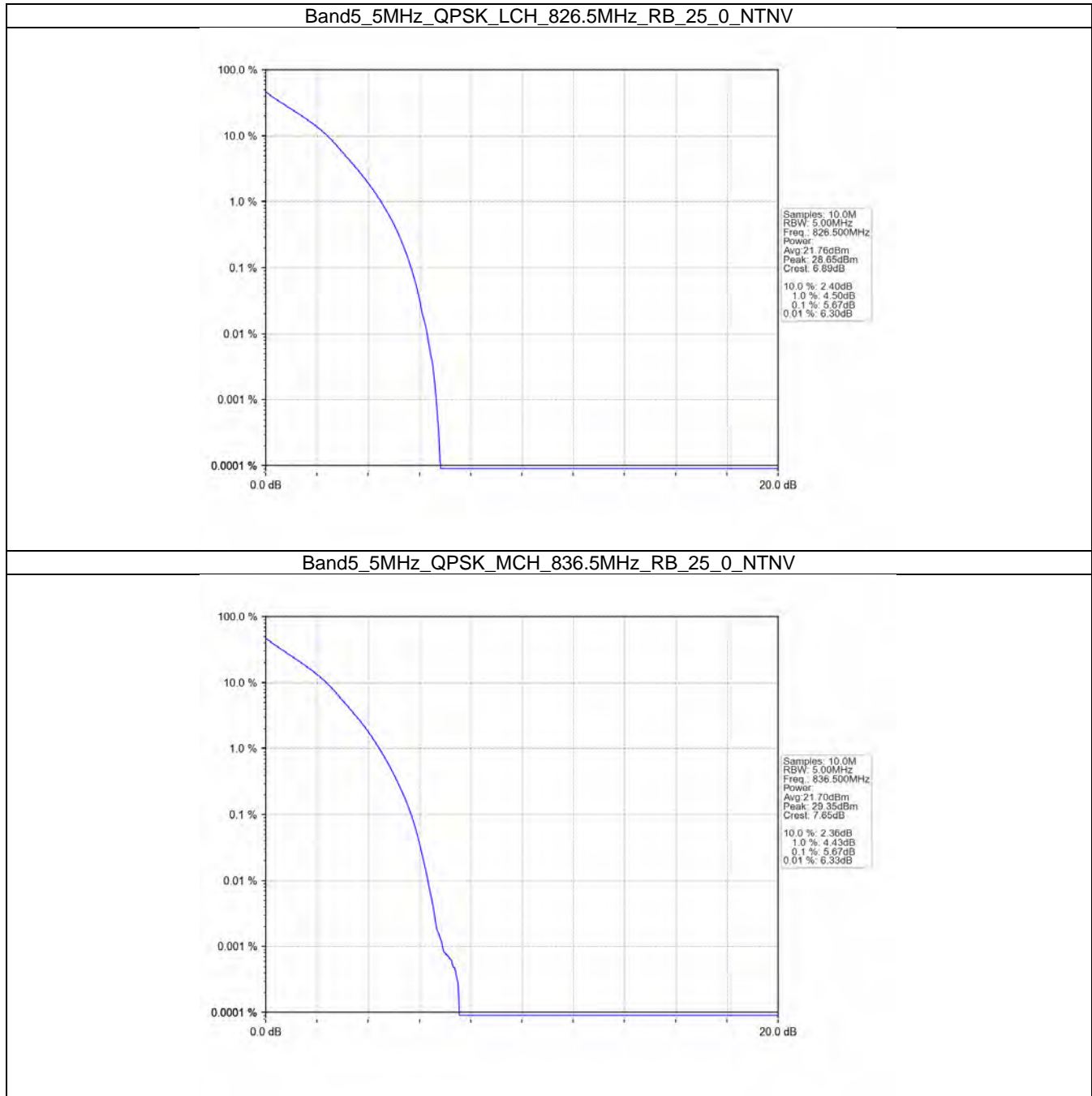
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5.3.2 Test Graph



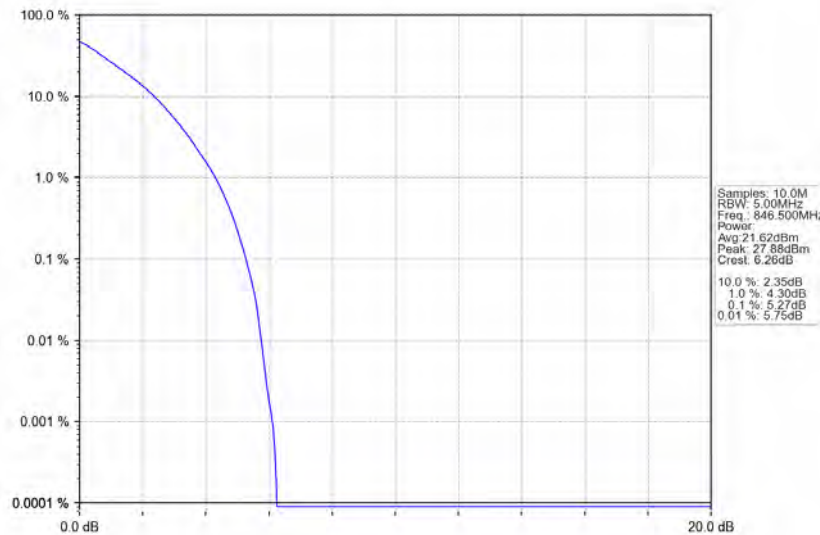
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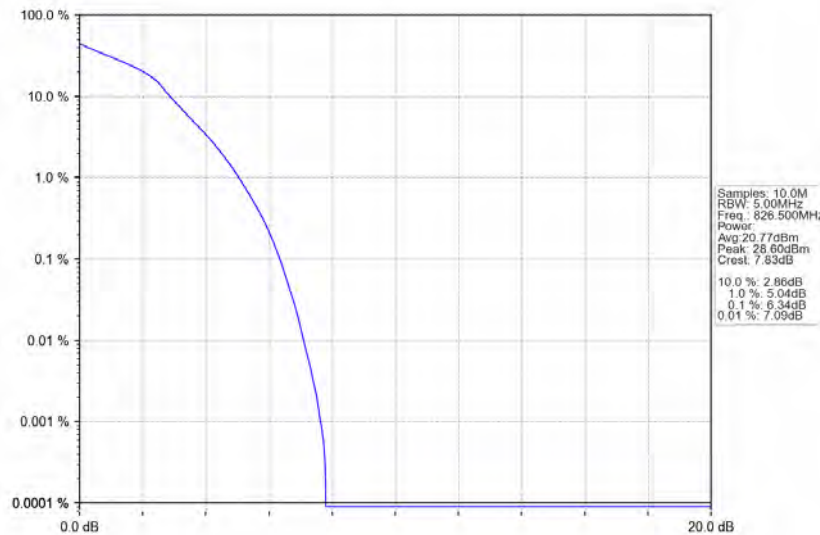
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



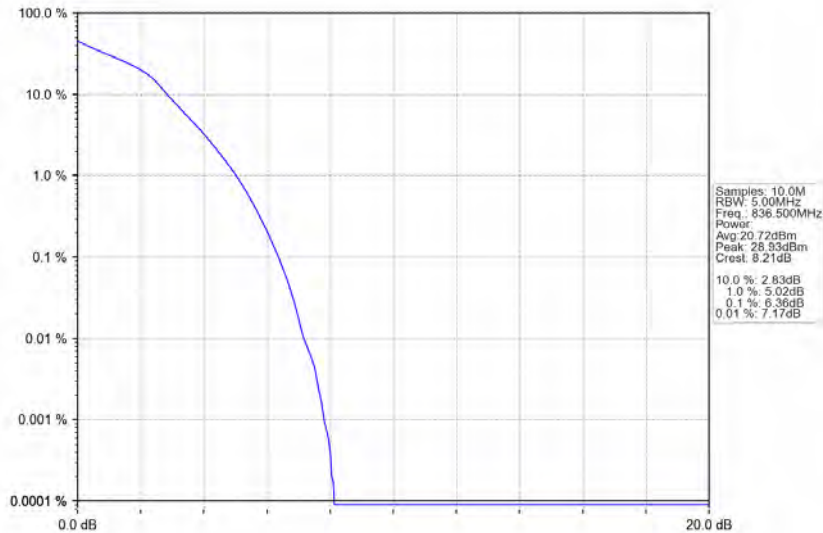
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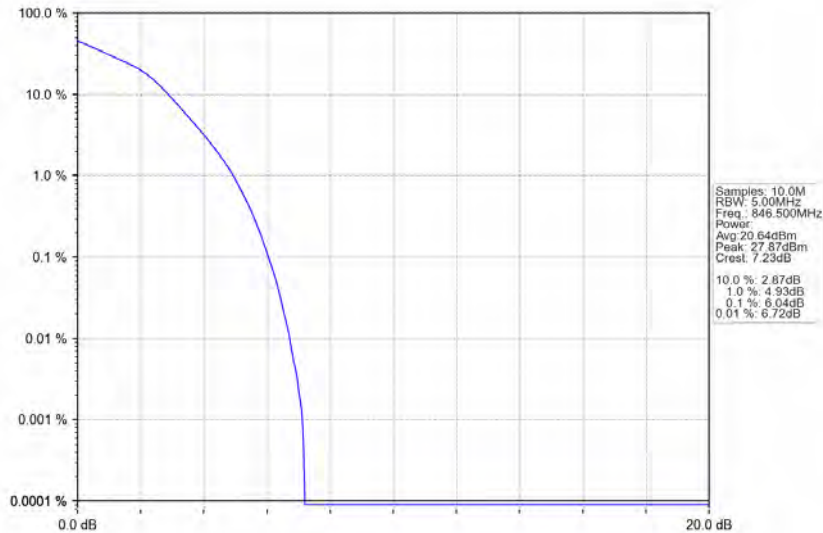
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Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



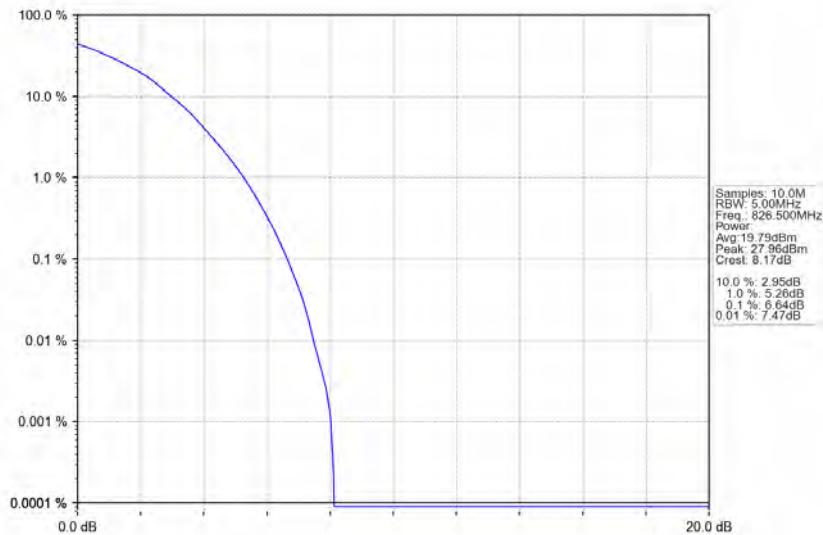
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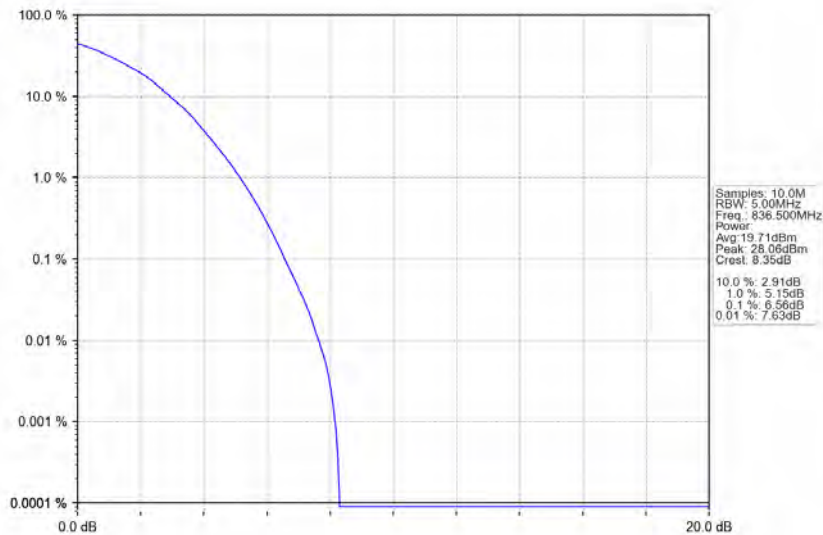
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Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



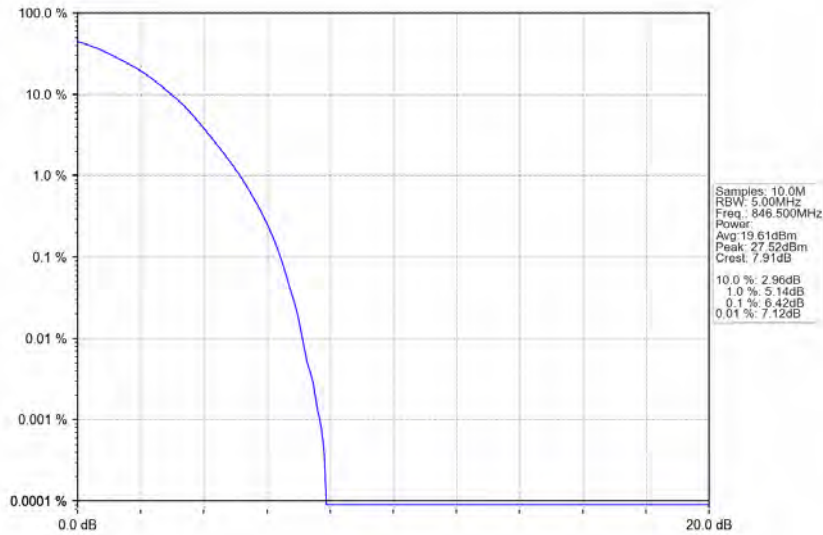
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5.4 B5_10MHz

5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.44	<=13	Pass
	836.5	50	0	5.42	<=13	Pass
	844	50	0	5.41	<=13	Pass
16QAM	829	50	0	6.54	<=13	Pass
	836.5	50	0	6.41	<=13	Pass
	844	50	0	6.53	<=13	Pass
64QAM	829	50	0	6.77	<=13	Pass
	836.5	50	0	6.68	<=13	Pass
	844	50	0	6.72	<=13	Pass



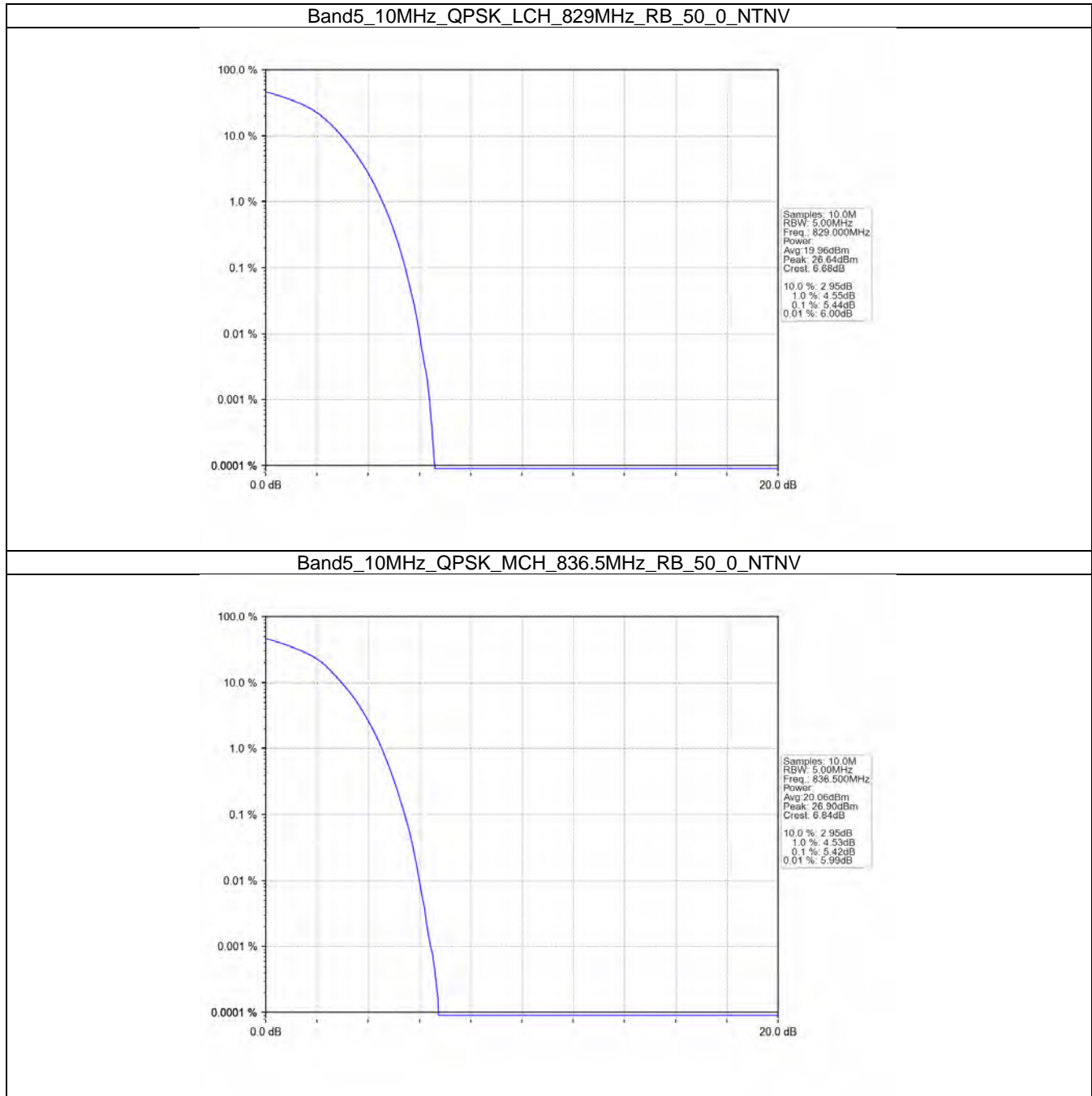
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5.4.2 Test Graph



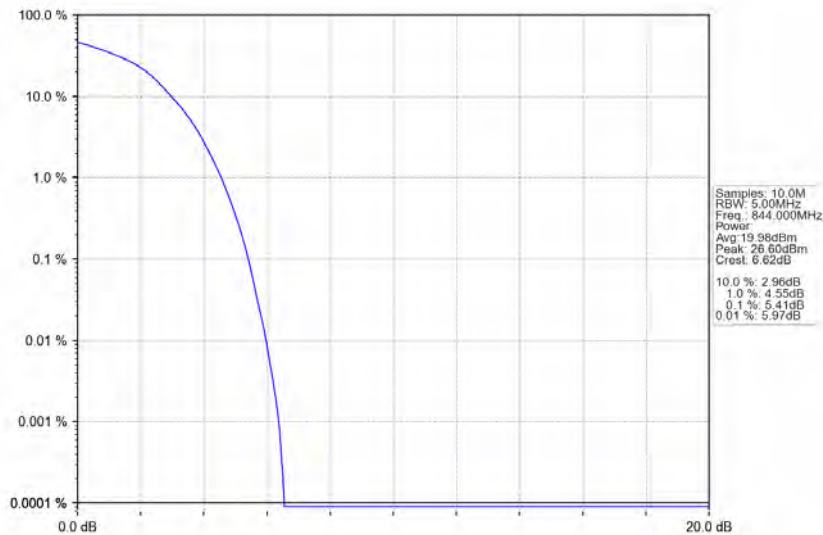
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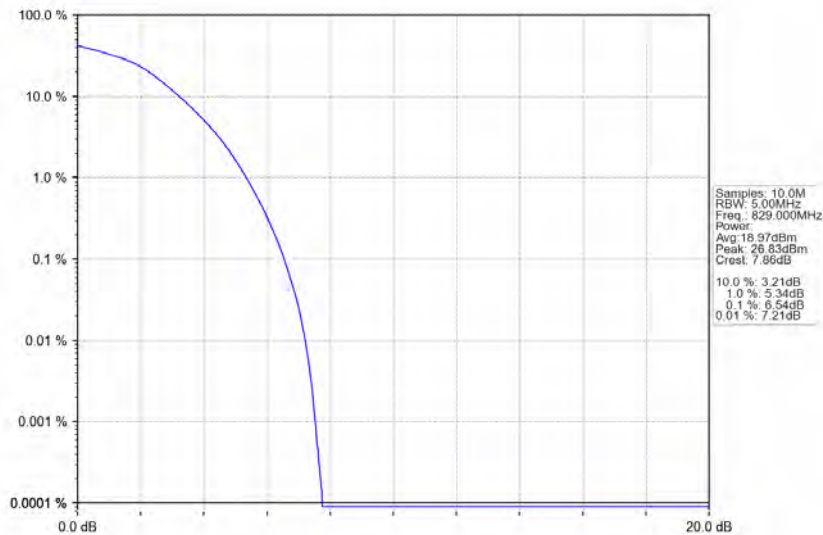
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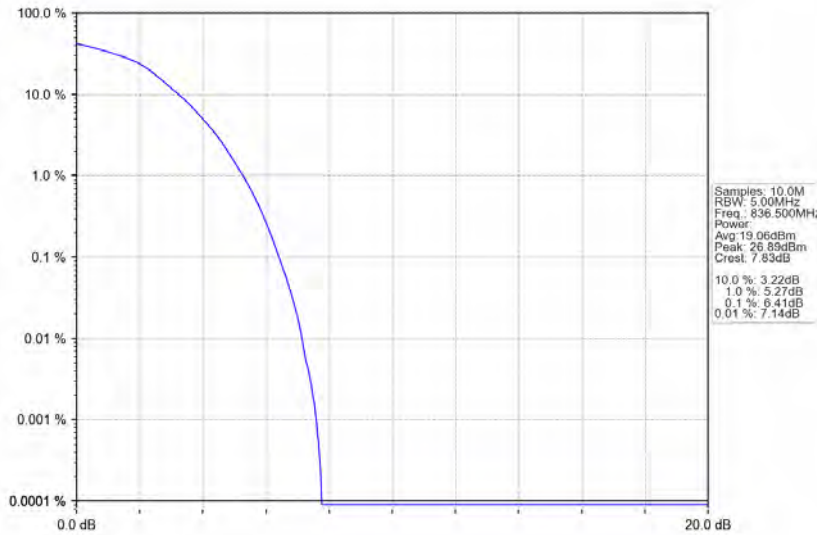
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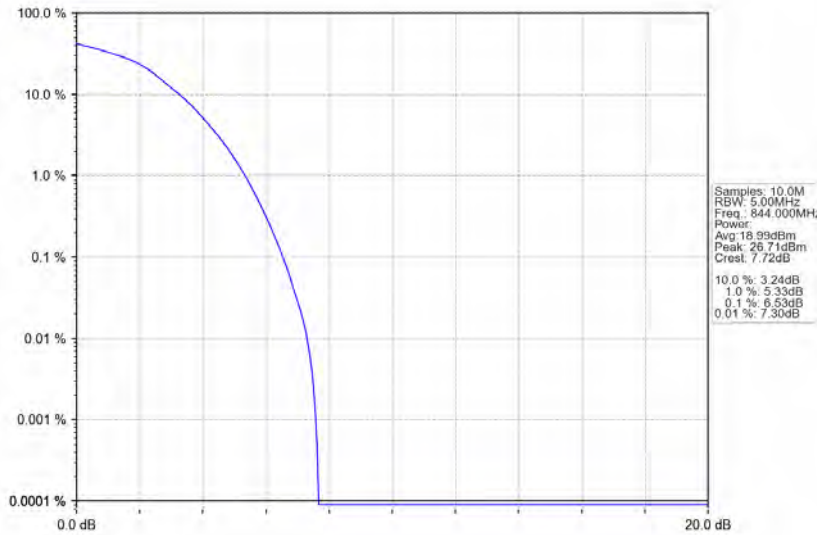
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Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



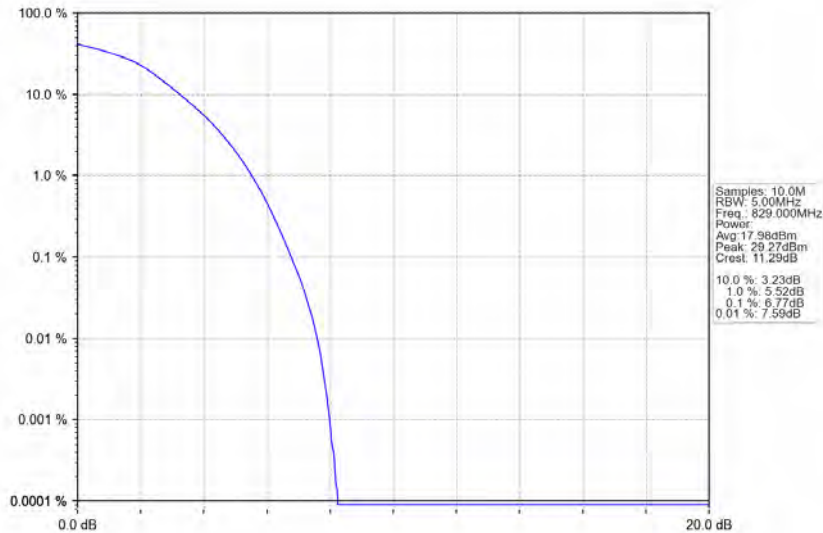
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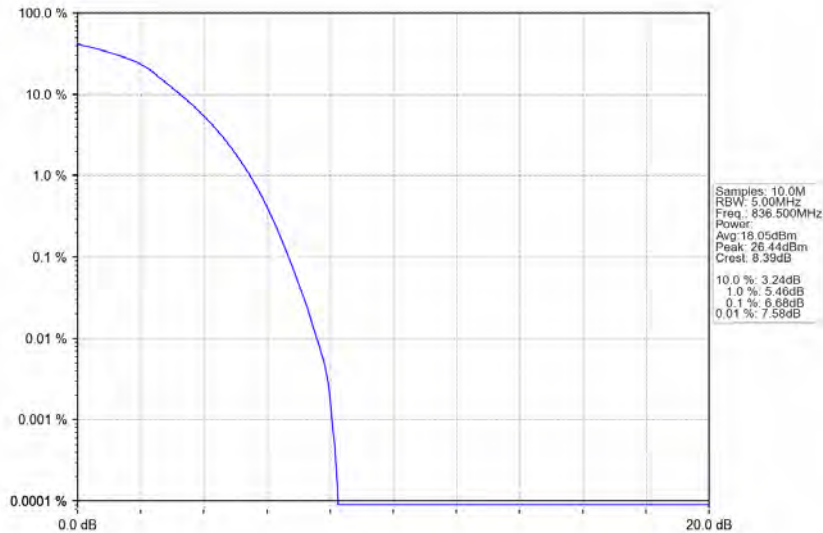
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Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



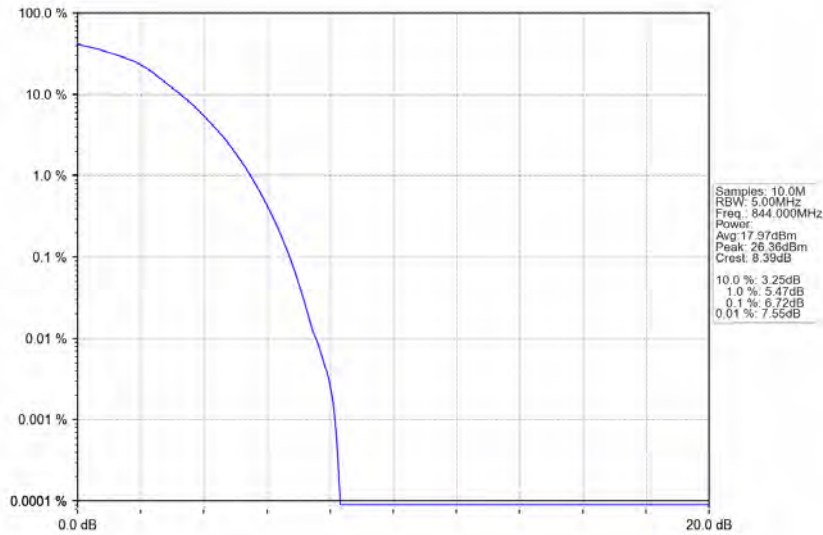
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Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



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6. Spurious Emission

6.1 B5_1.4MHz

6.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	824.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	836.5	1	0	Refer To Test Graph		Pass	
		848.3	1	0	Refer To Test Graph		Pass
				5	Refer To Test Graph		Pass
			6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	836.5	1	0	Refer To Test Graph		Pass	
		848.3	1	0	Refer To Test Graph		Pass
				5	Refer To Test Graph		Pass
			6	0	Refer To Test Graph		Pass
64QAM	824.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	836.5	1	0	Refer To Test Graph		Pass	
		848.3	1	0	Refer To Test Graph		Pass
				5	Refer To Test Graph		Pass
			6	0	Refer To Test Graph		Pass



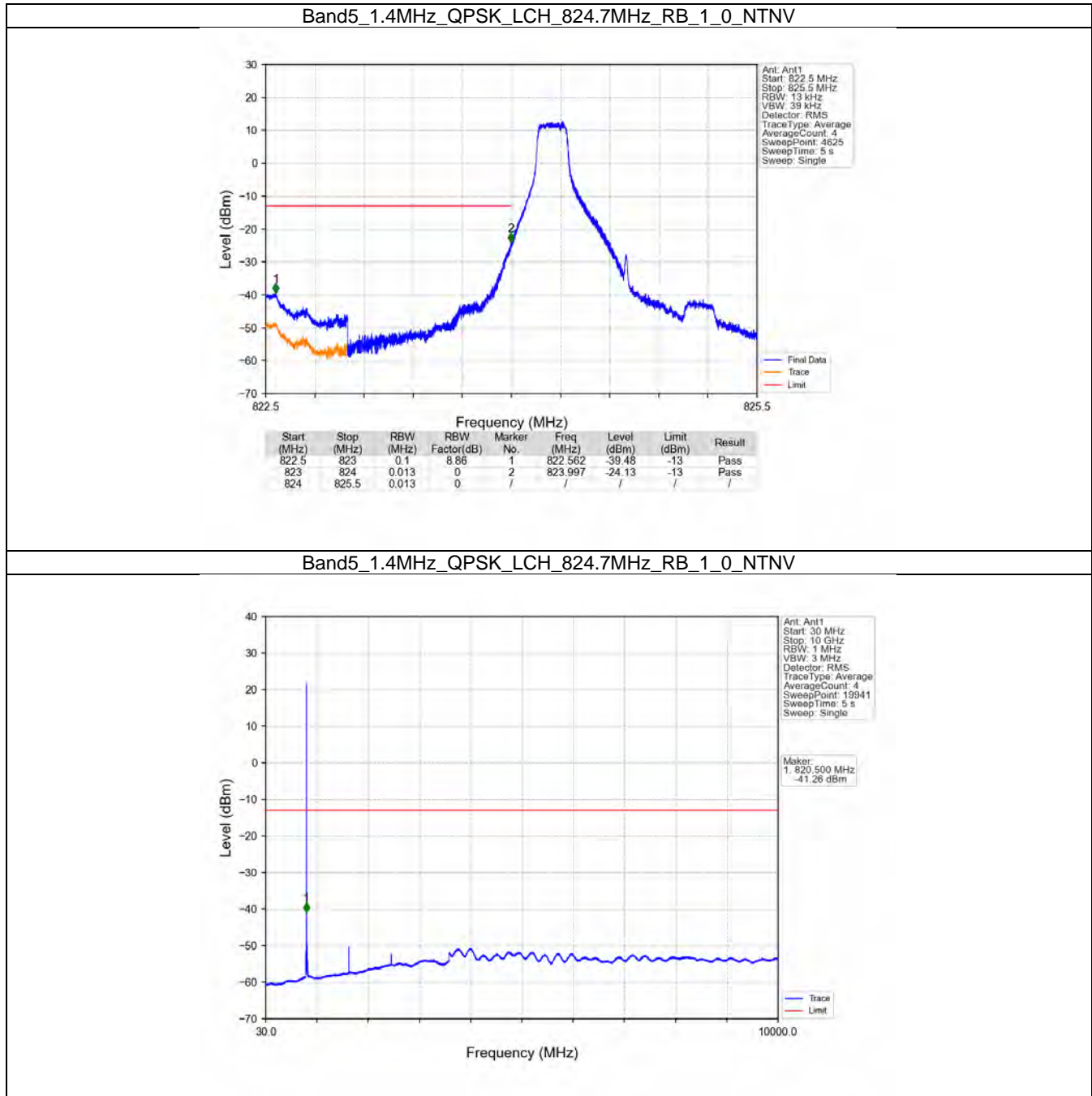
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6.1.2 Test Graph



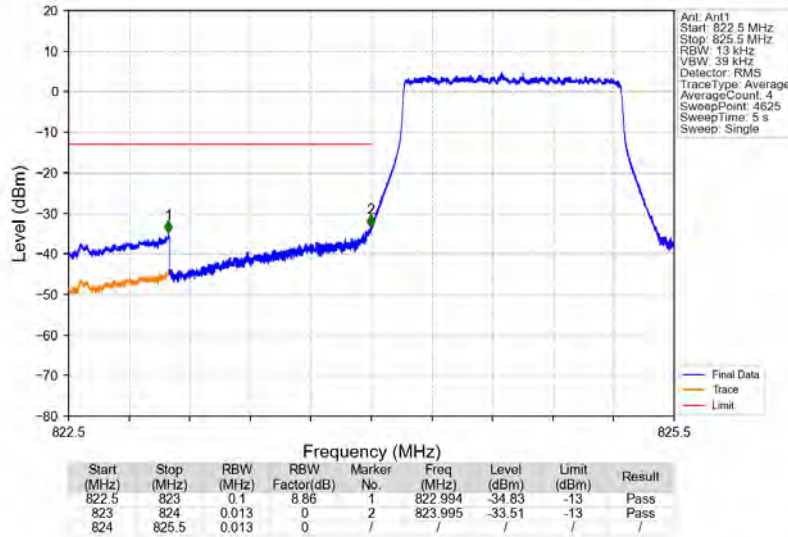
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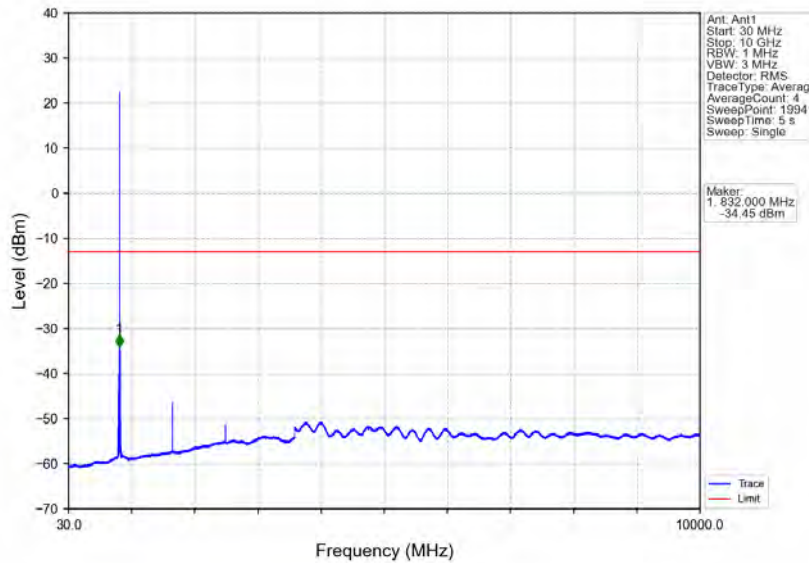
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Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



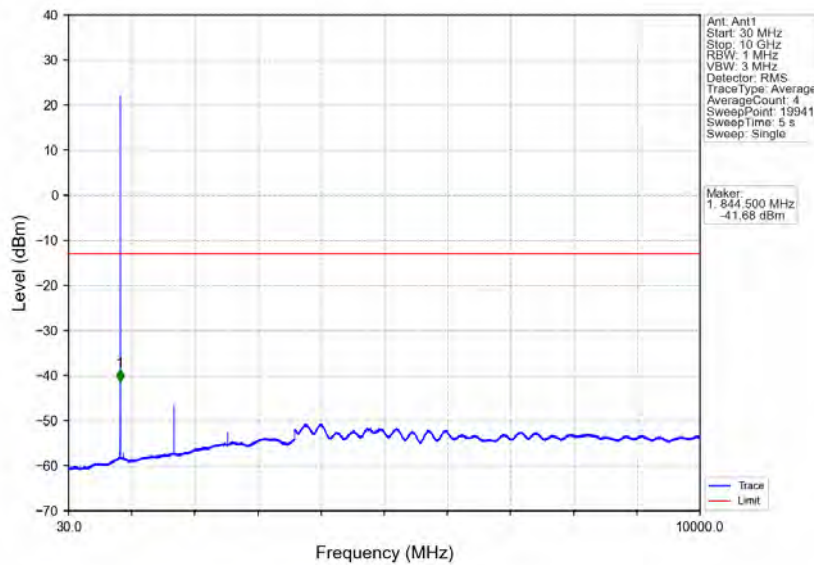
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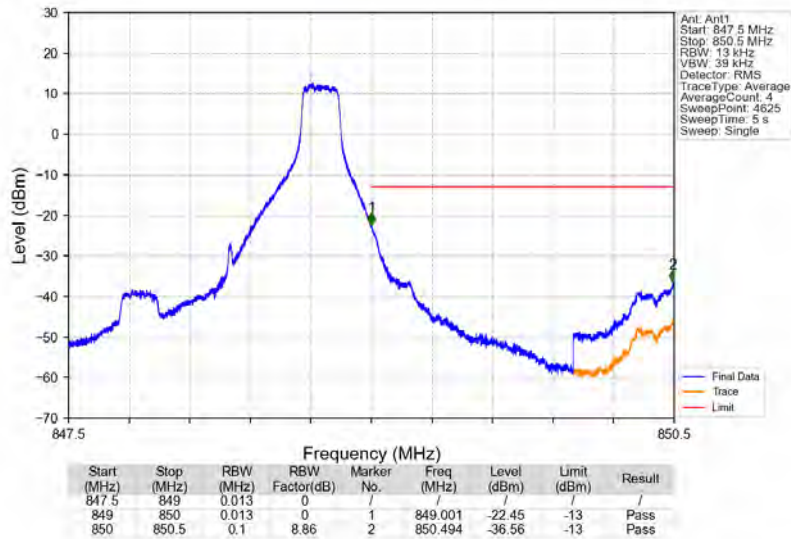
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



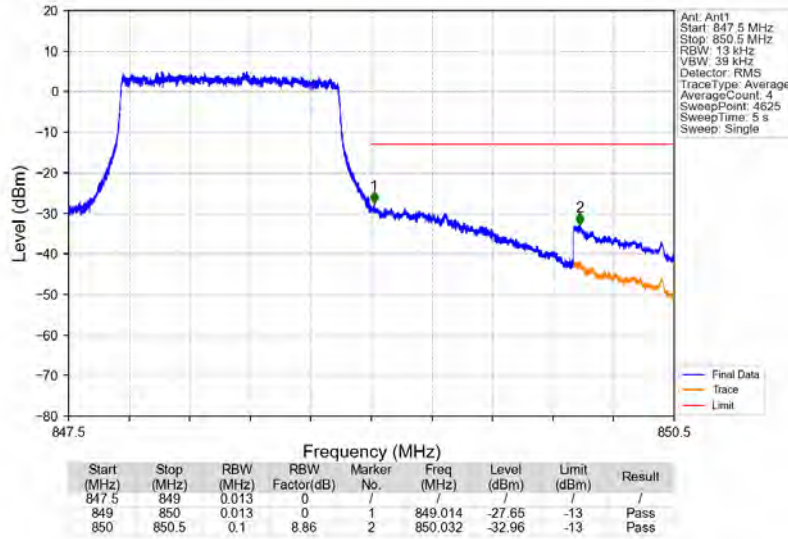
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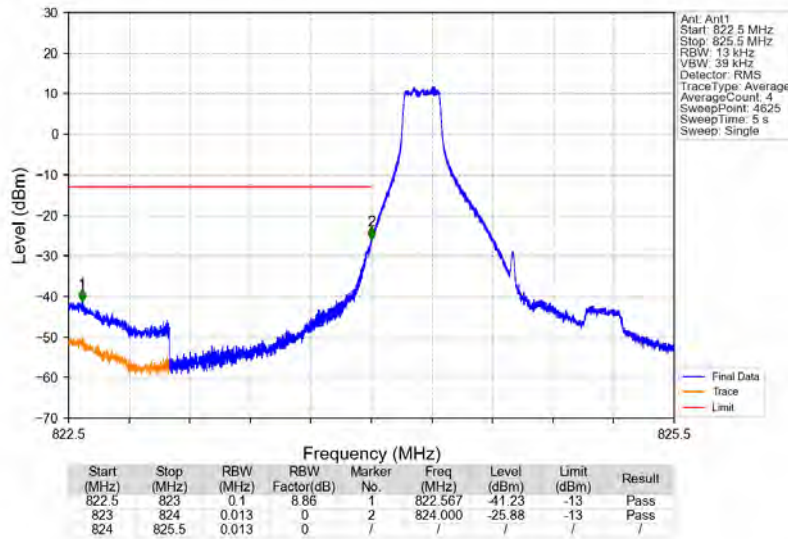
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Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



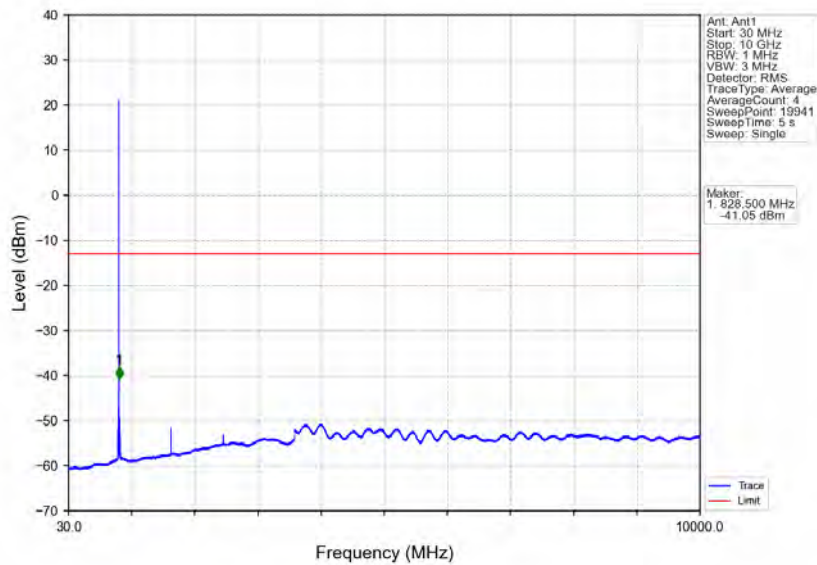
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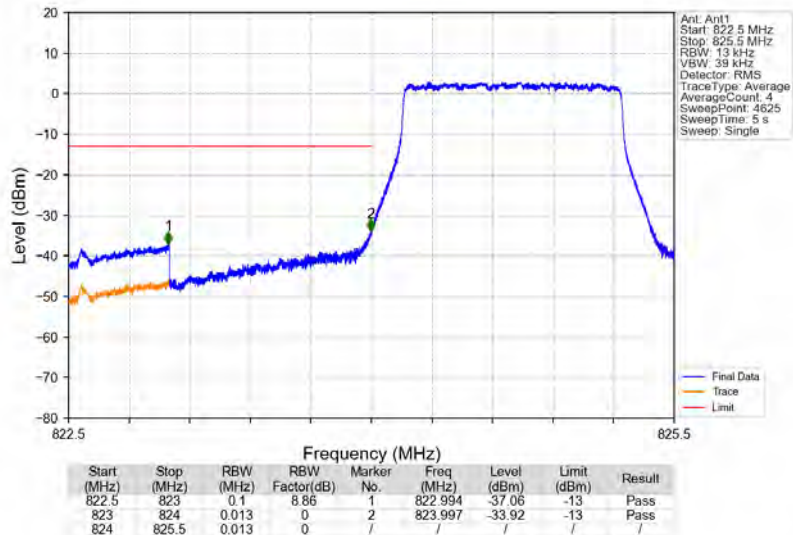
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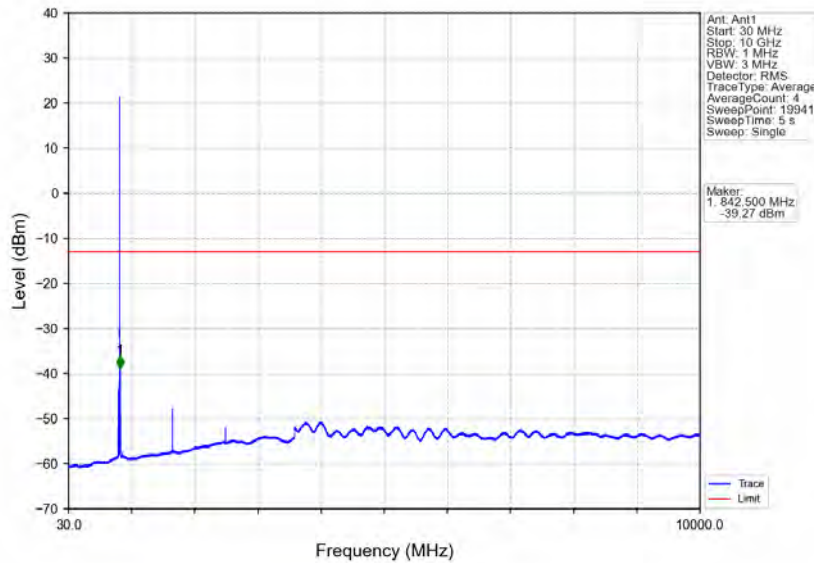
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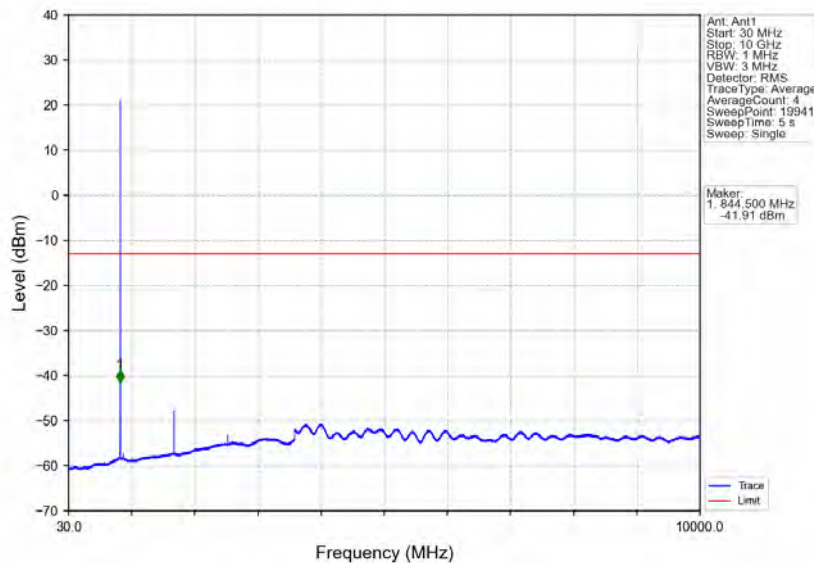
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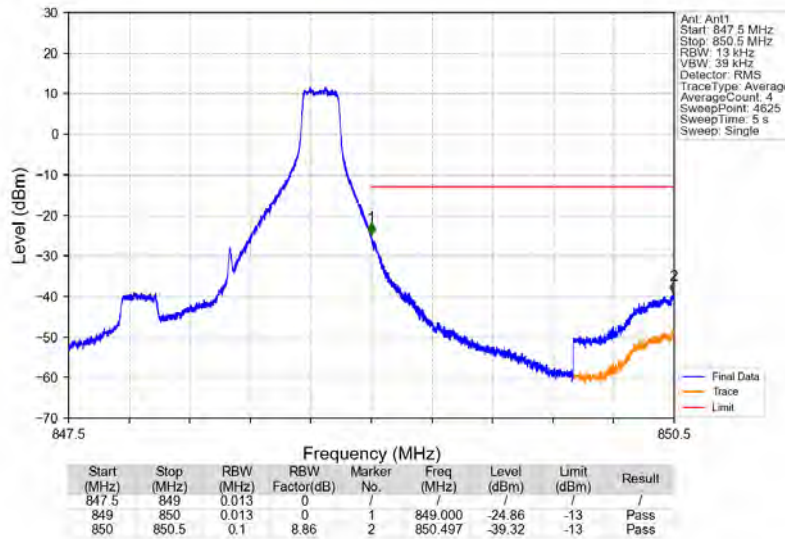


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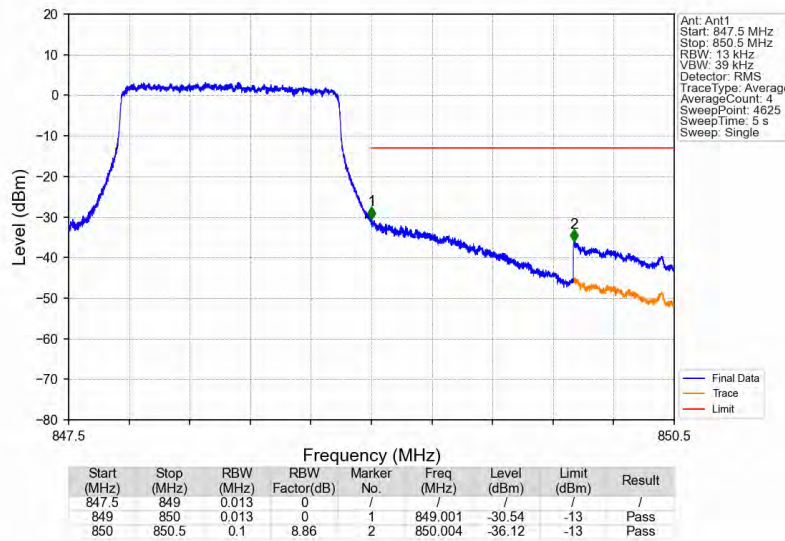
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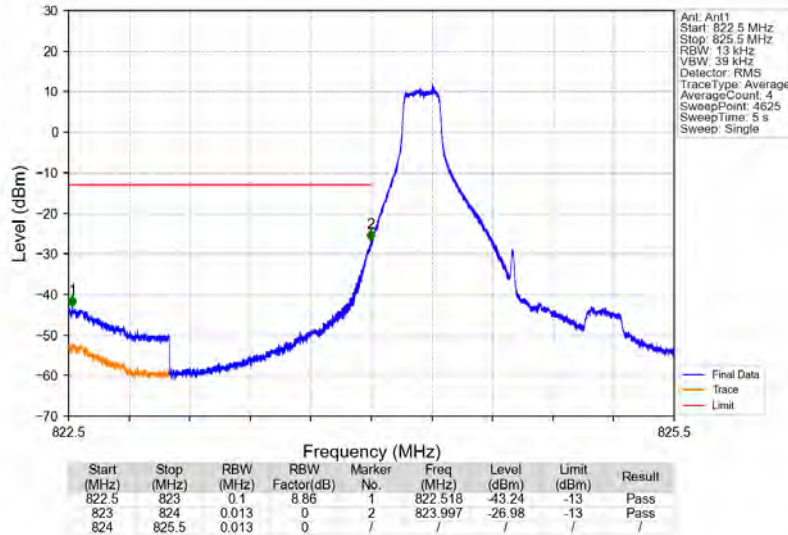
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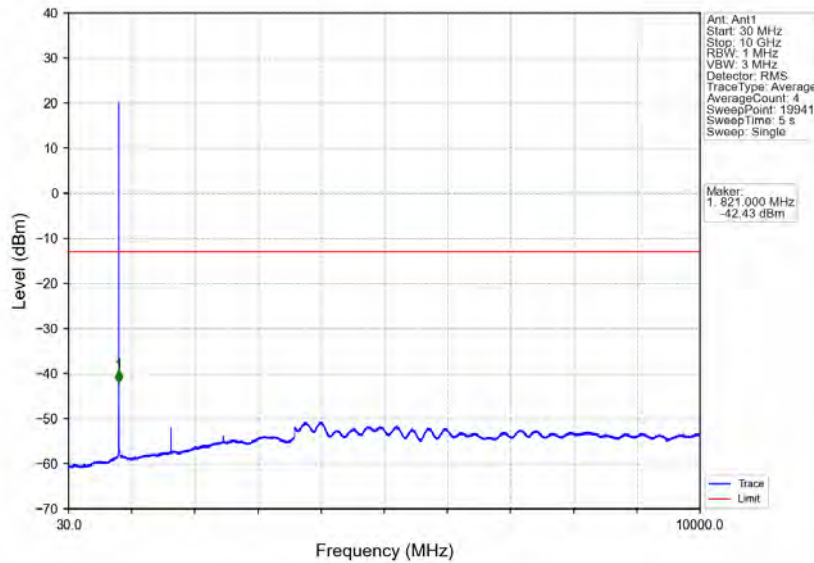
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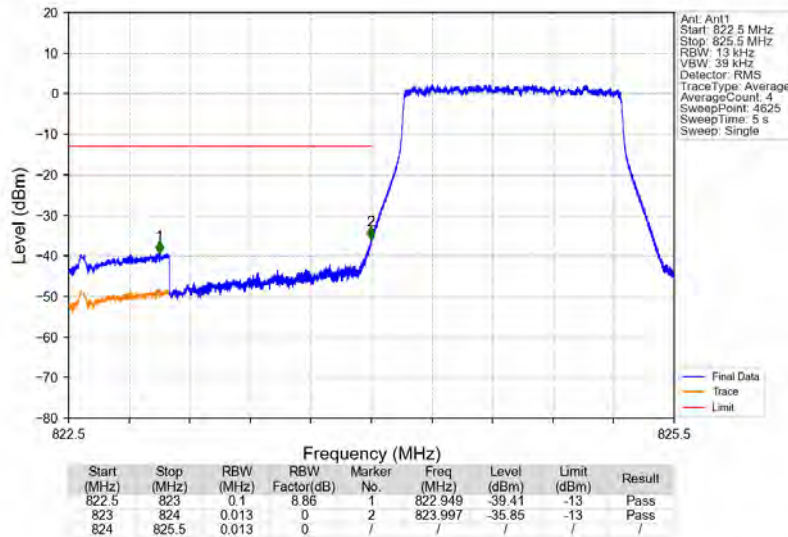
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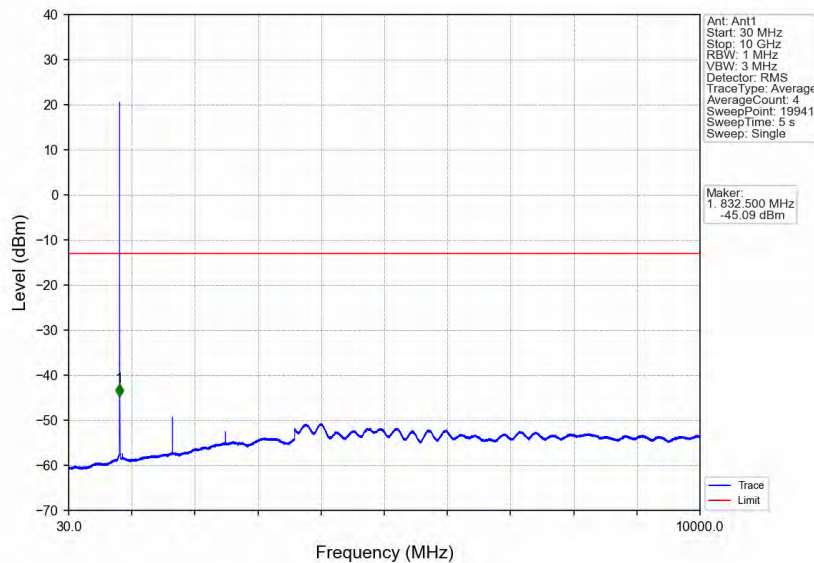
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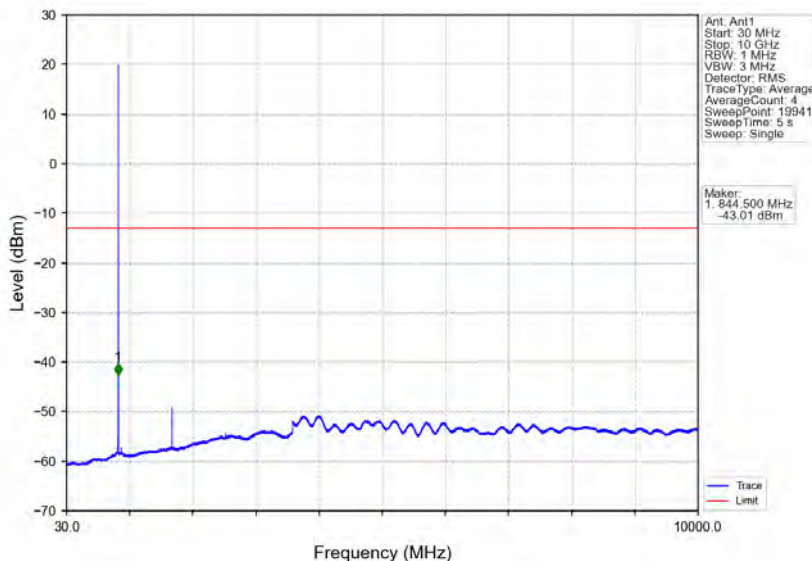
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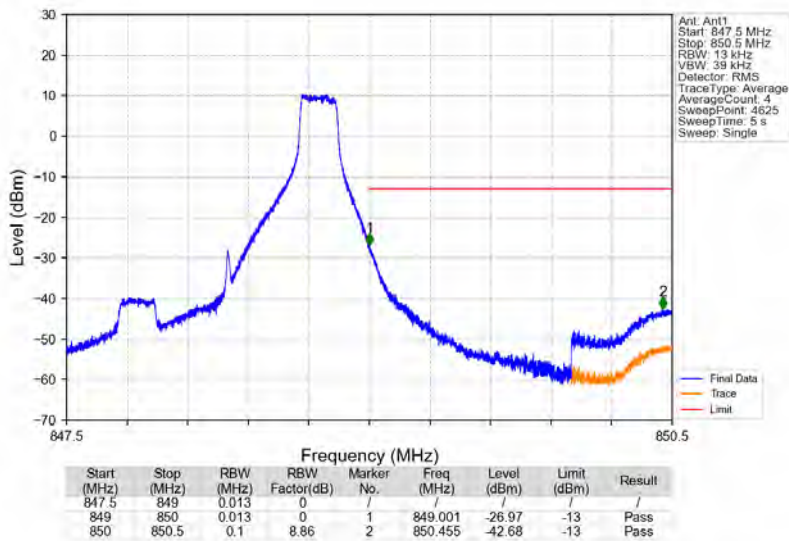
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_5_NTV



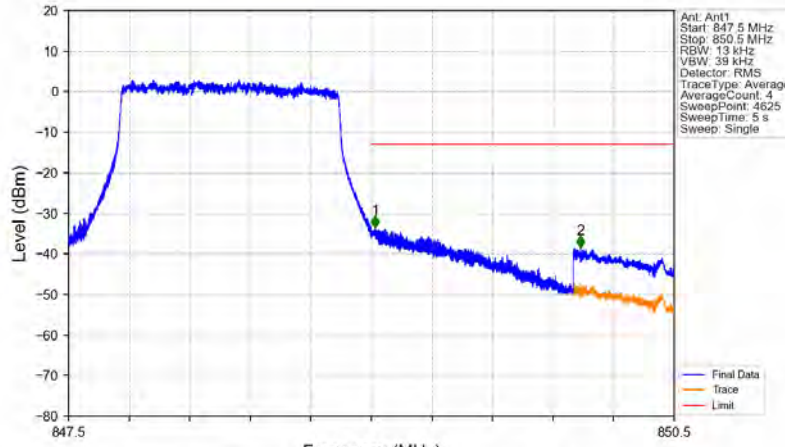
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	0	/	/	/	/	/
849	850	0.013	0	1	849.019	-33.65	-13	Pass
850	850.5	0.1	8.86	2	850.036	-38.54	-13	Pass



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6.2 B5_3MHz

6.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
64QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

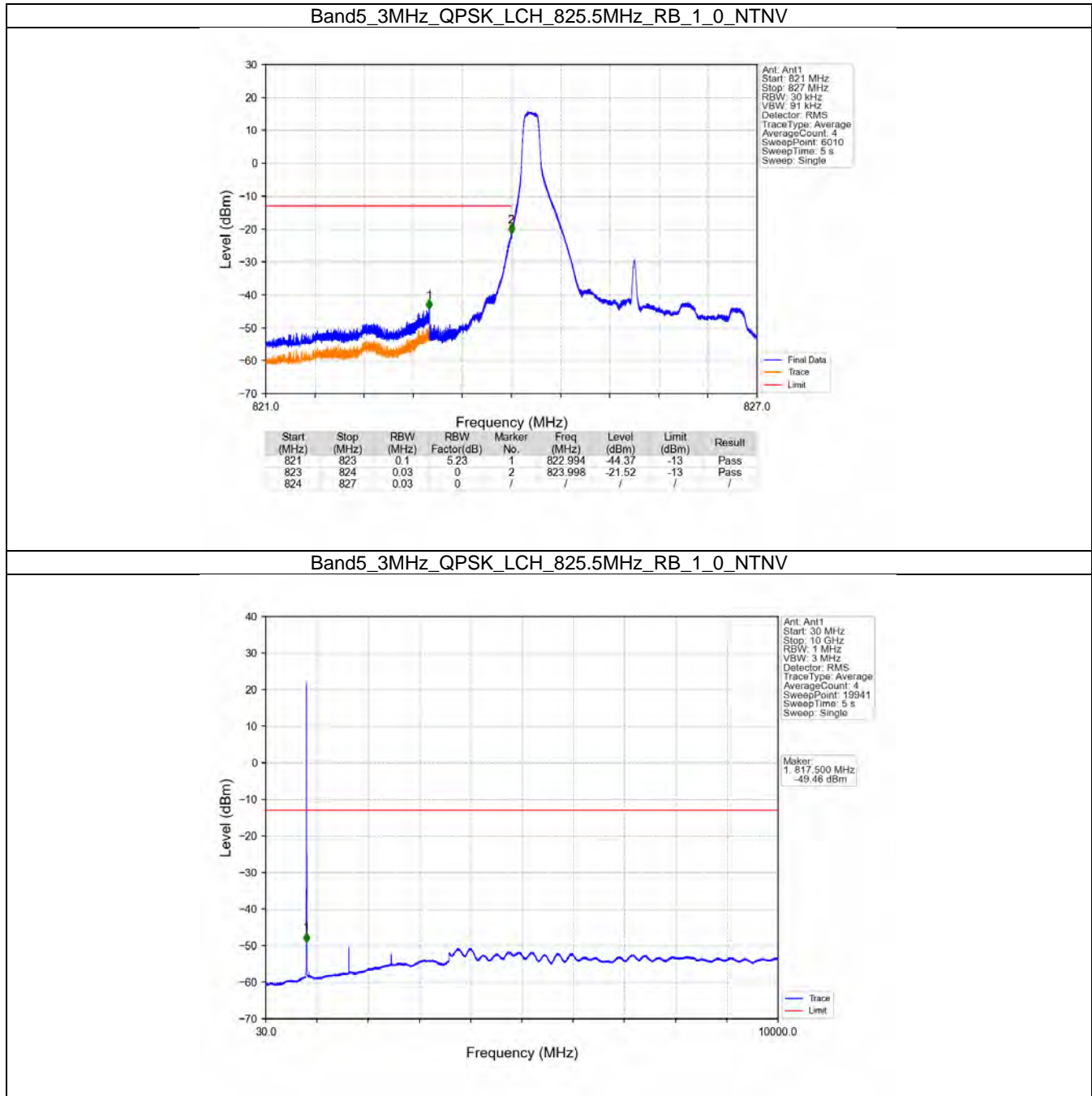


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6.2.2 Test Graph



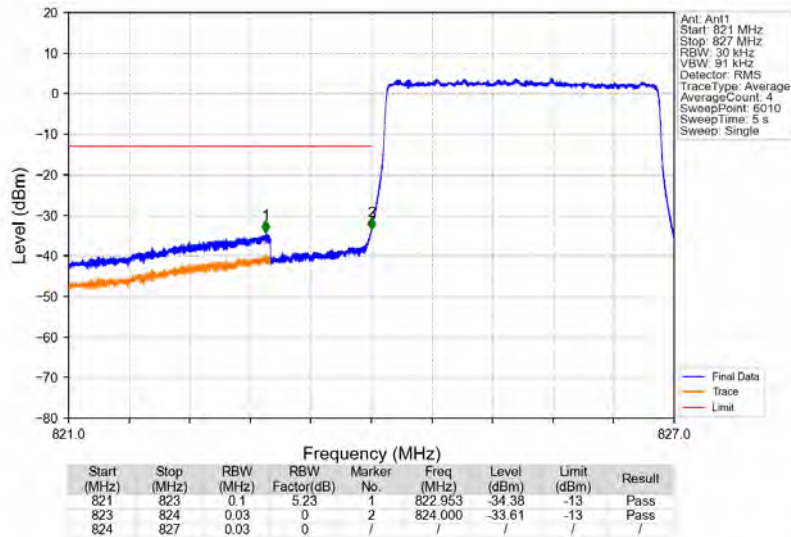
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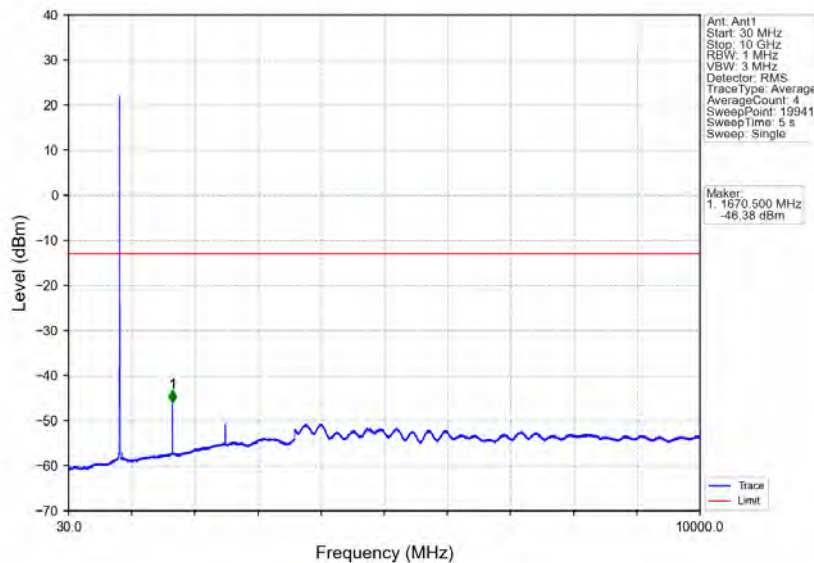
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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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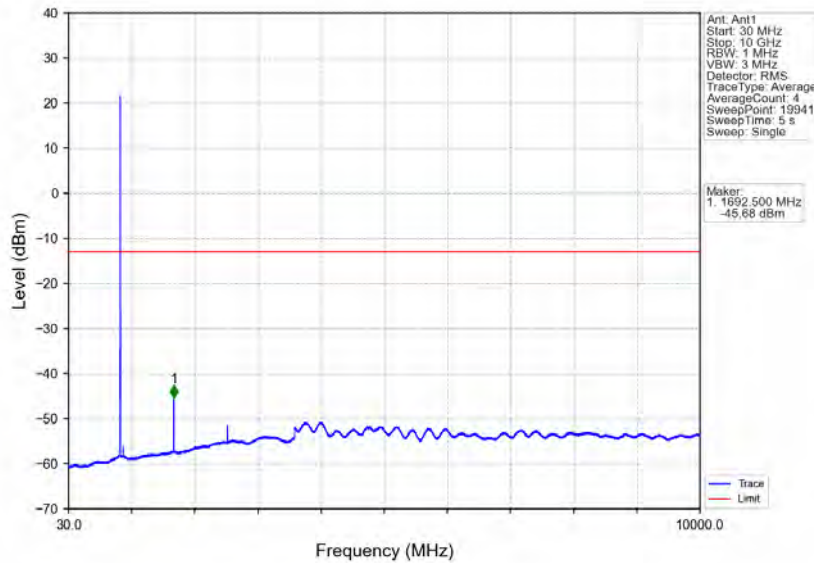
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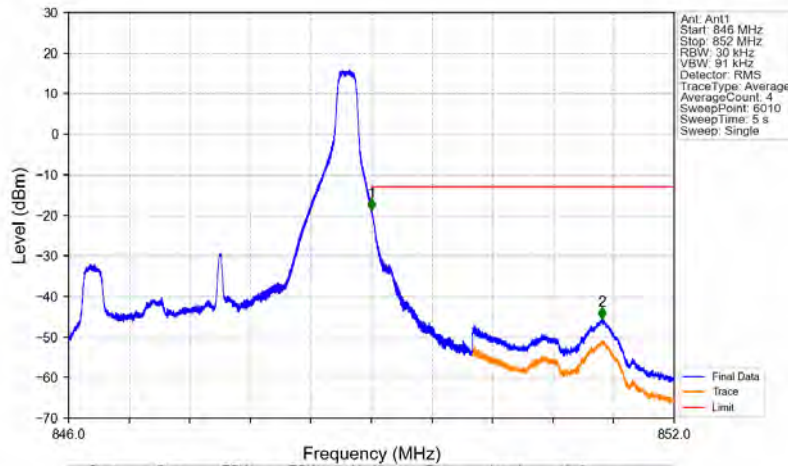
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	0	/	/	/	/	/
849	850	0.03	0	1	849.001	-18.85	-13	Pass
850	852	0.1	5.23	2	851.284	-45.67	-13	Pass



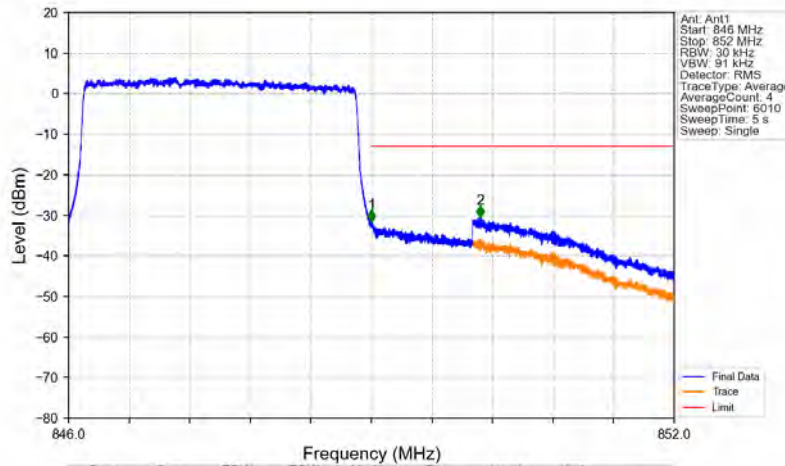
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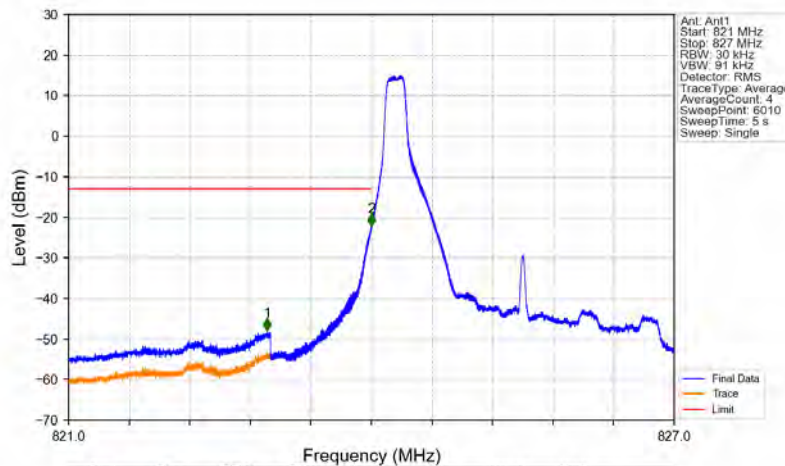
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



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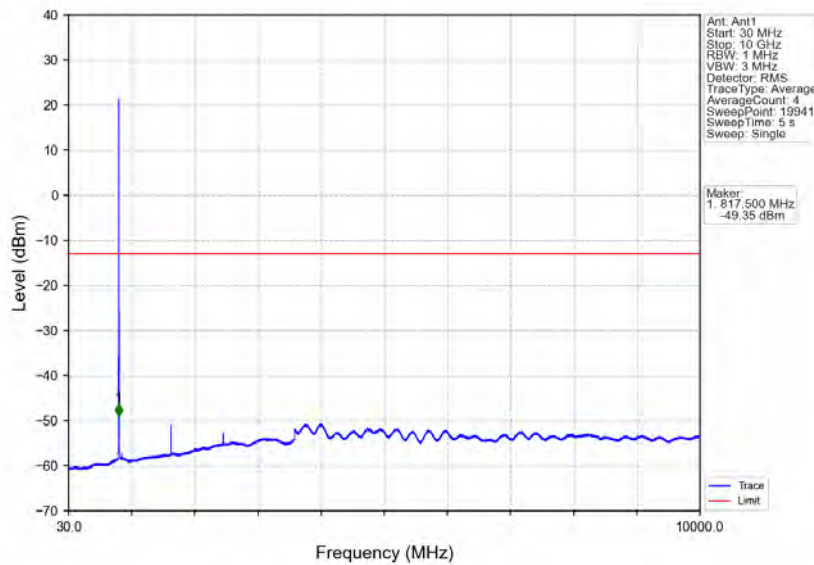
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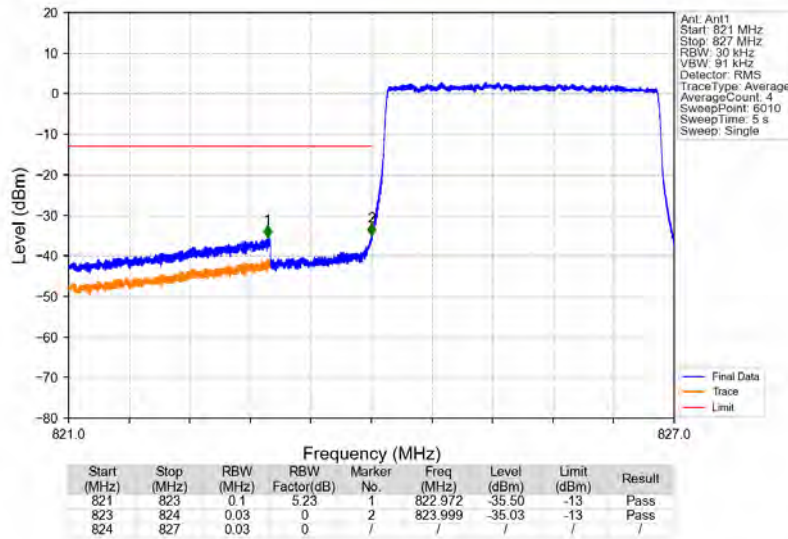


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EMC Laboratory

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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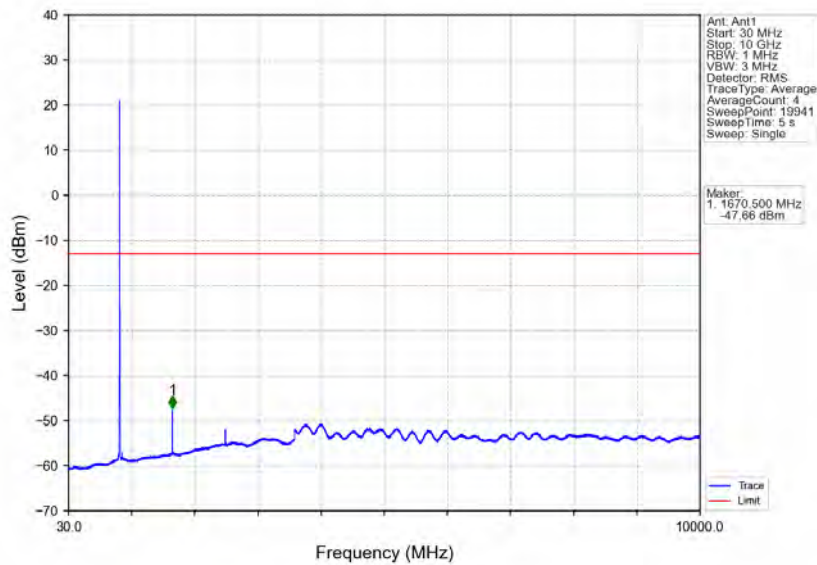
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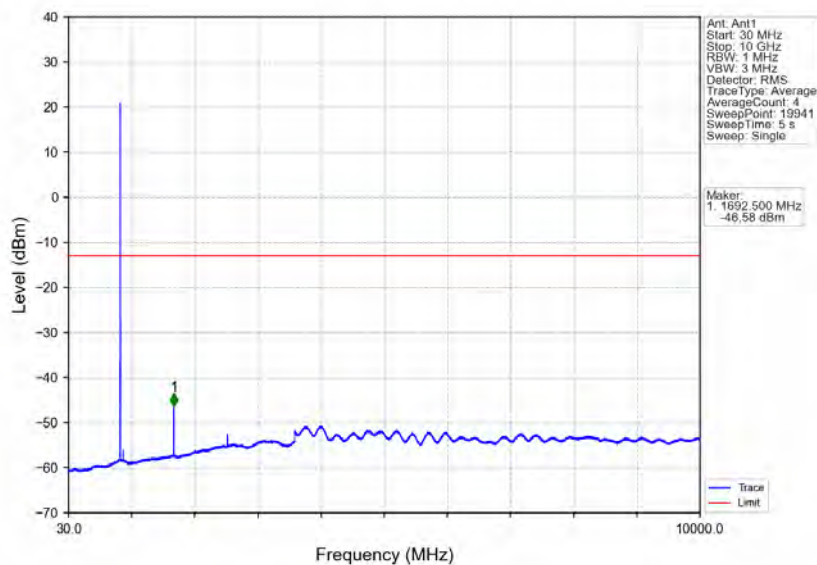
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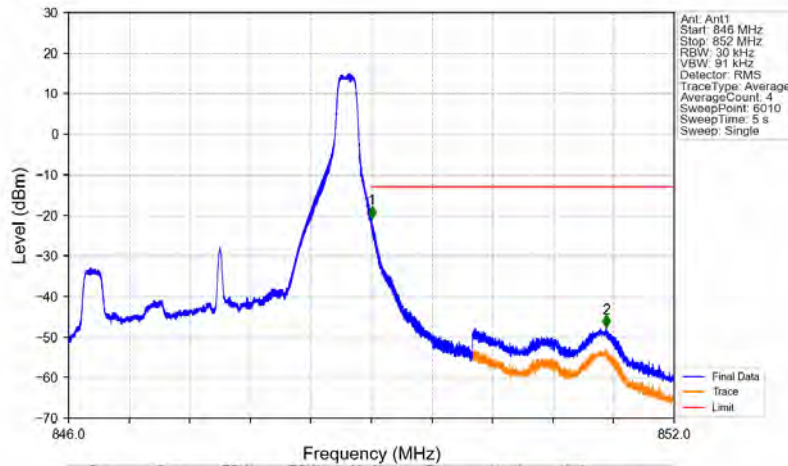
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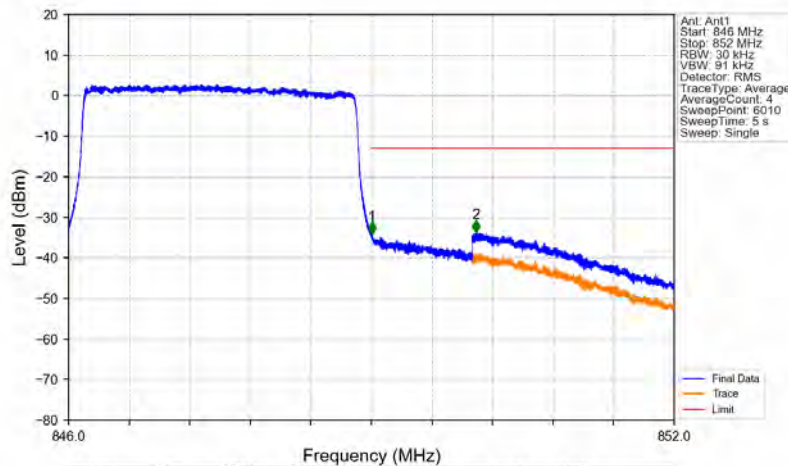
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Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	0	/	/	/	/	/
849	850	0.03	0	1	849.004	-20.73	-13	Pass
850	852	0.1	5.23	2	851.327	-47.59	-13	Pass

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	0	/	/	/	/	/
849	850	0.03	0	1	849.004	-34.11	-13	Pass
850	852	0.1	5.23	2	850.036	-33.72	-13	Pass



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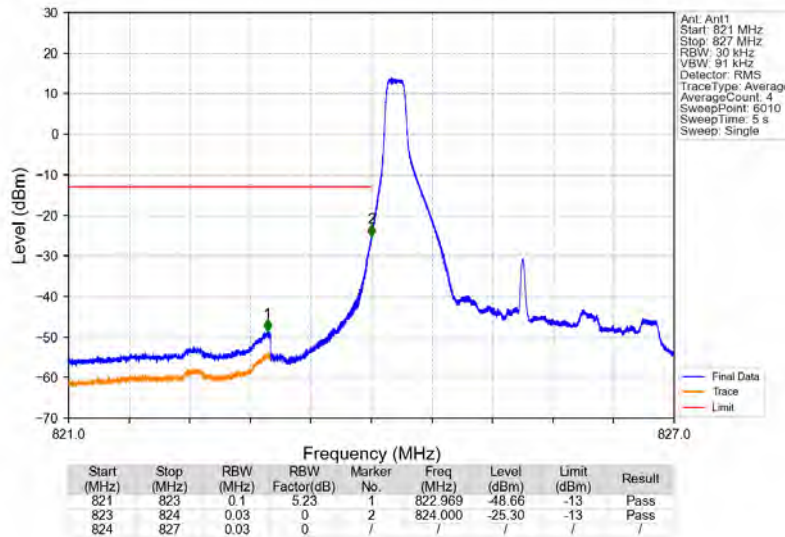
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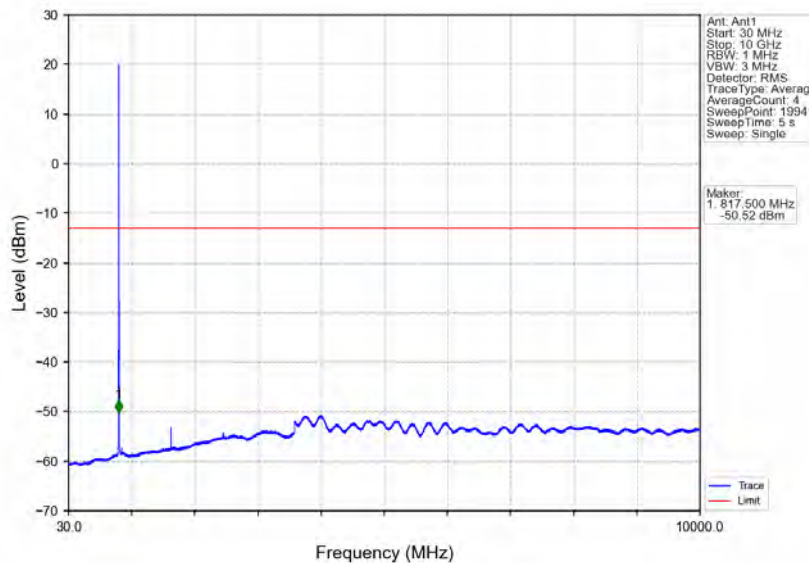
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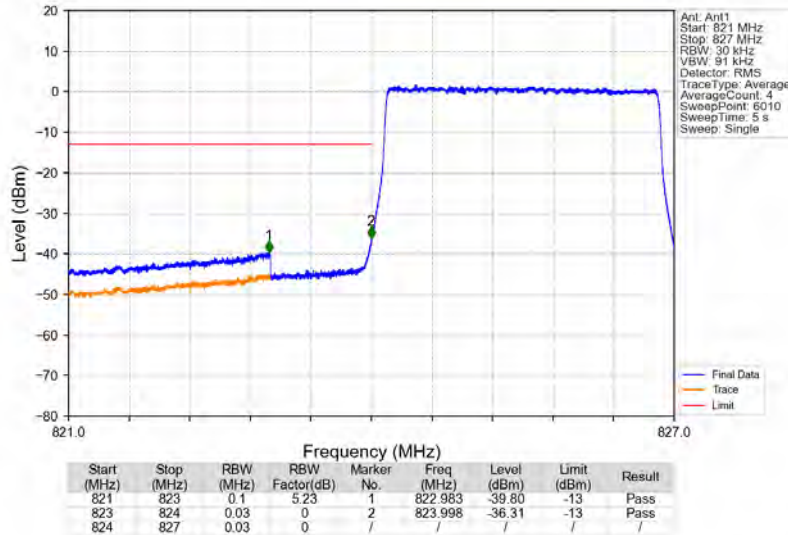
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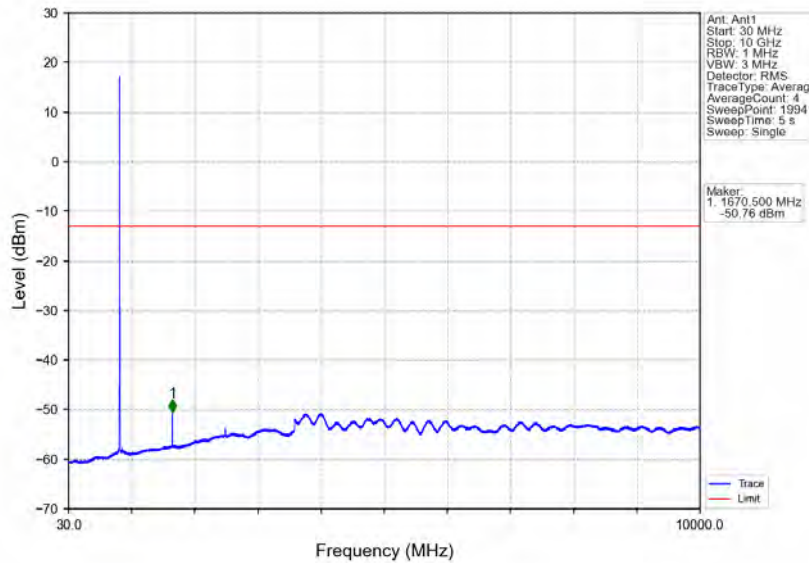
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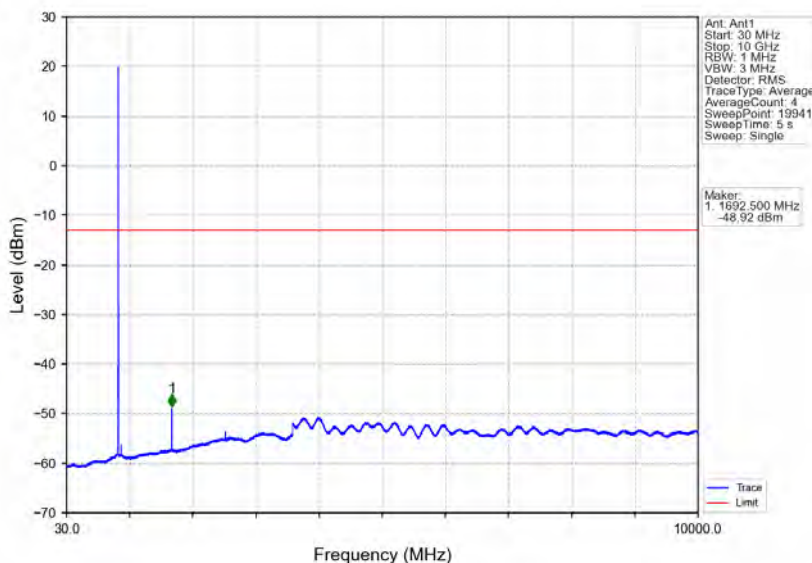
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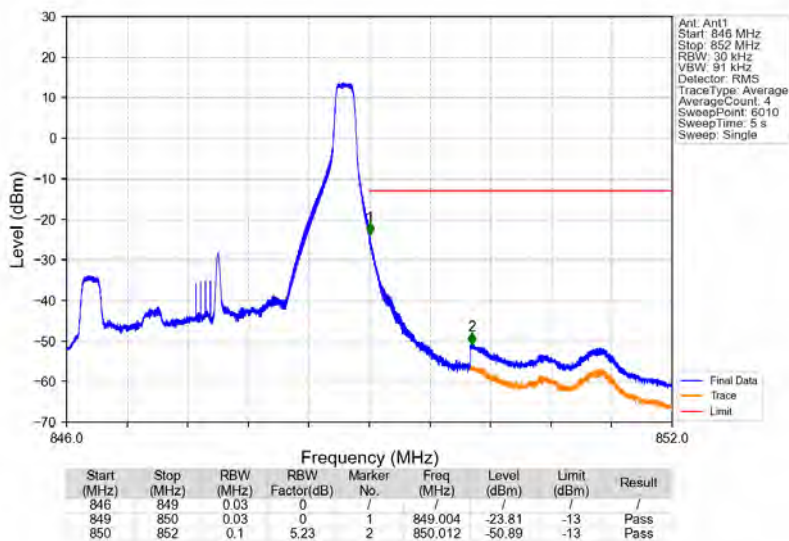


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Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_14_NTNV



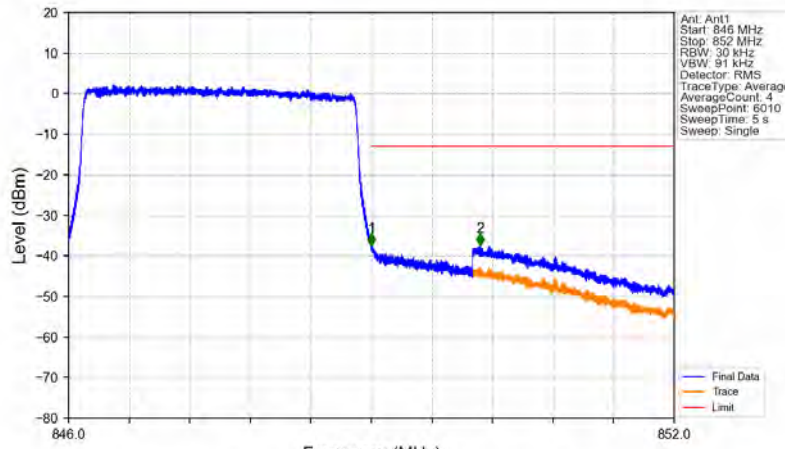
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Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	0	/	/	/	/	/
849	850	0.03	0	1	849.002	-37.46	-13	Pass
850	852	0.1	5.23	2	850.080	-37.54	-13	Pass



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6.3 B5_5MHz

6.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



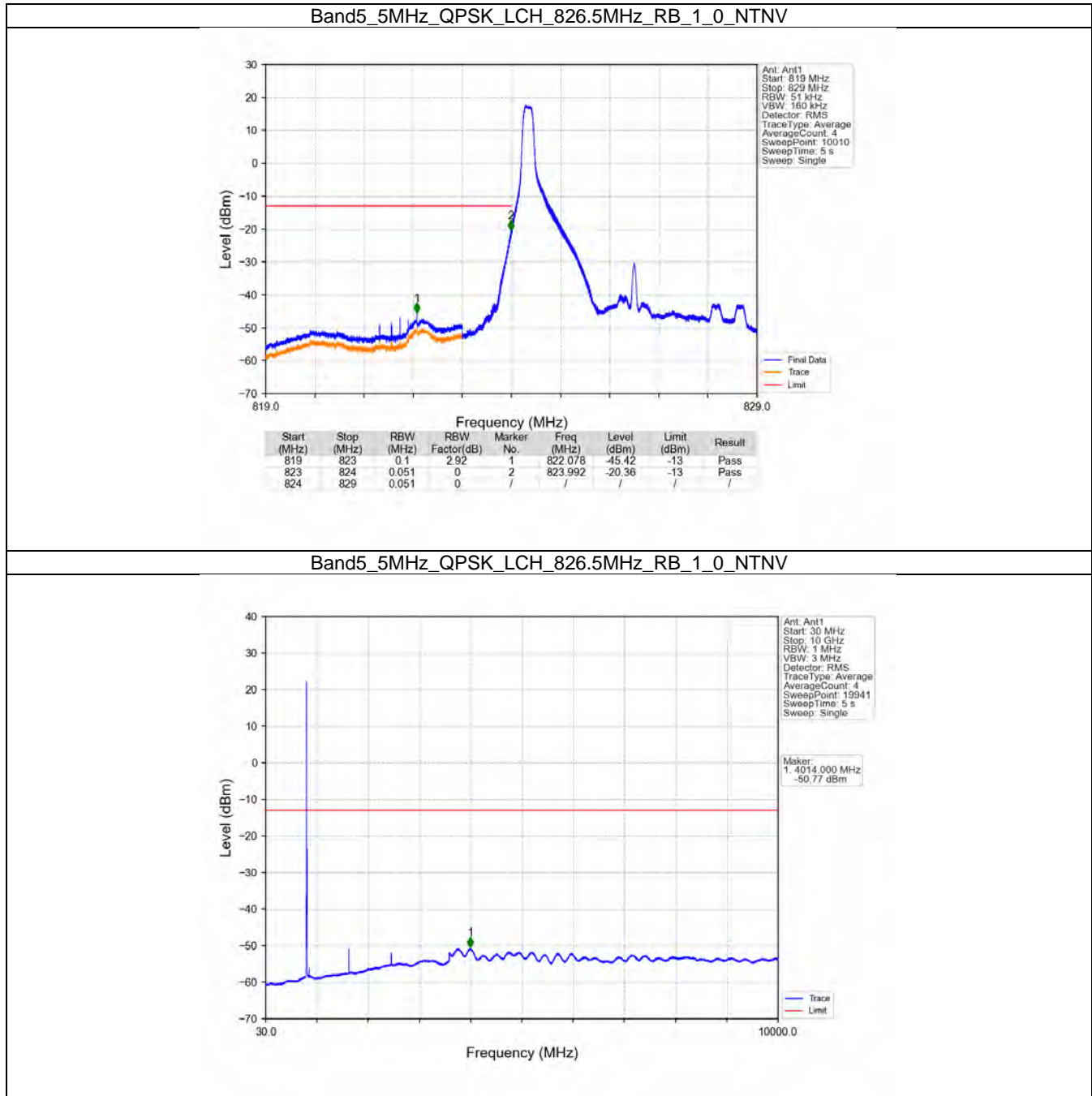
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6.3.2 Test Graph



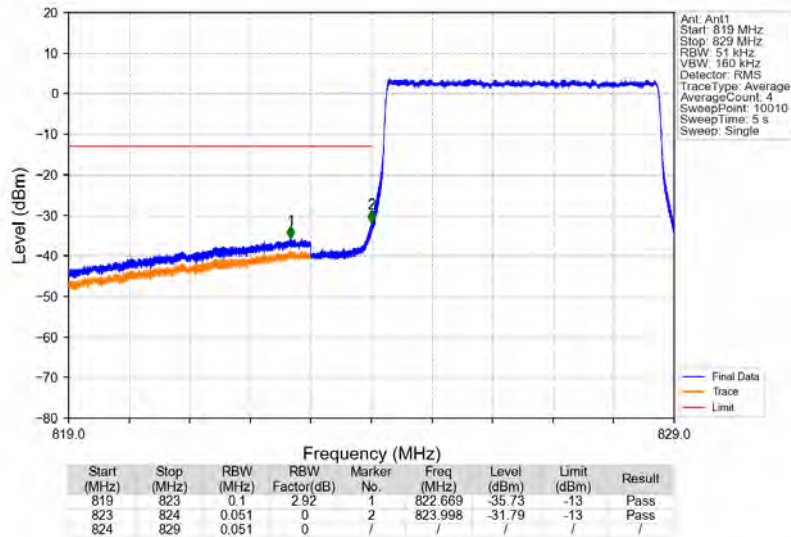
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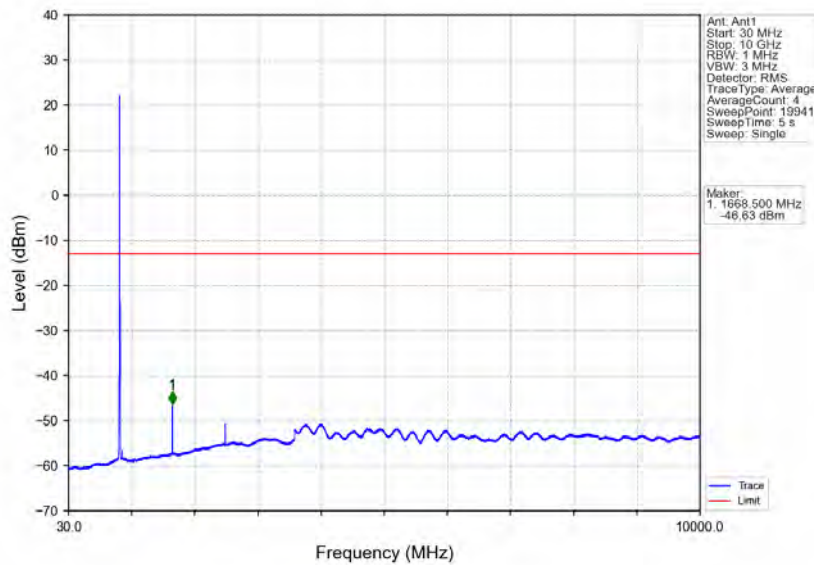
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Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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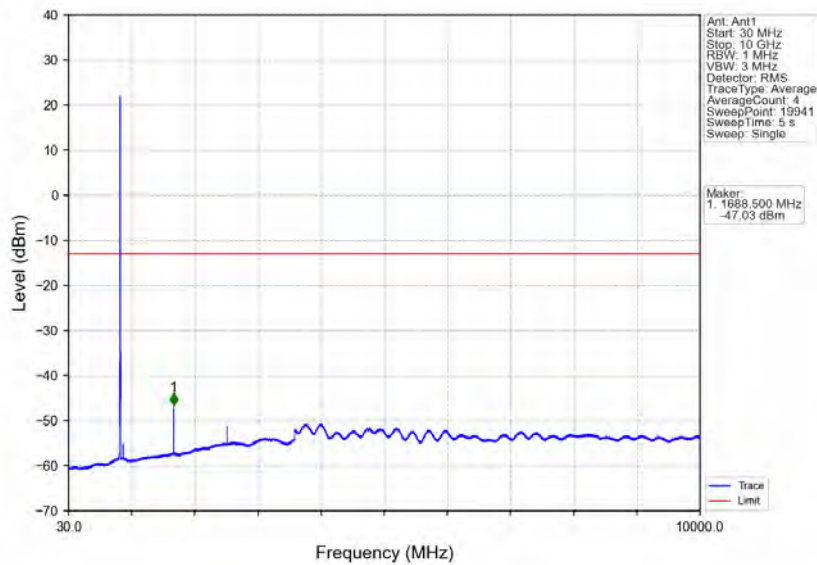
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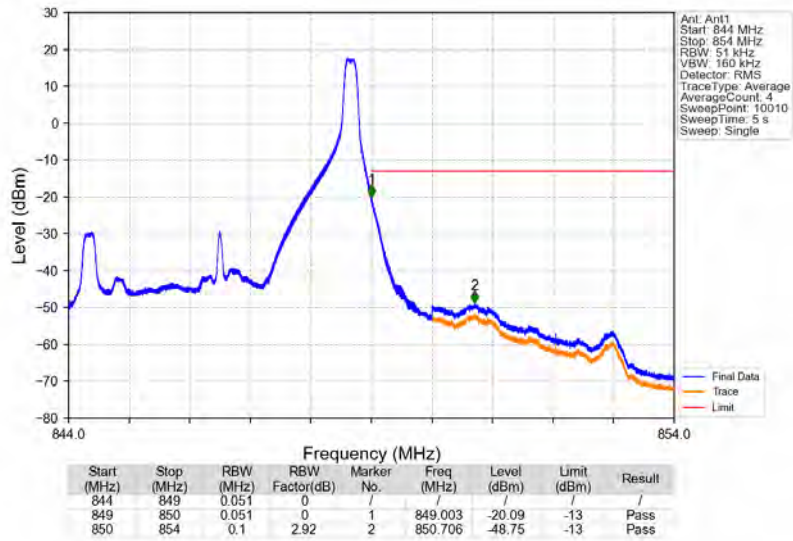


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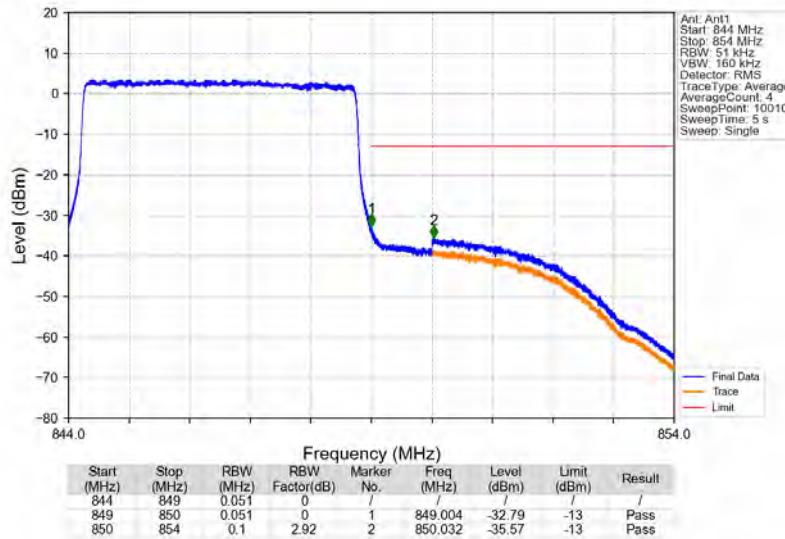
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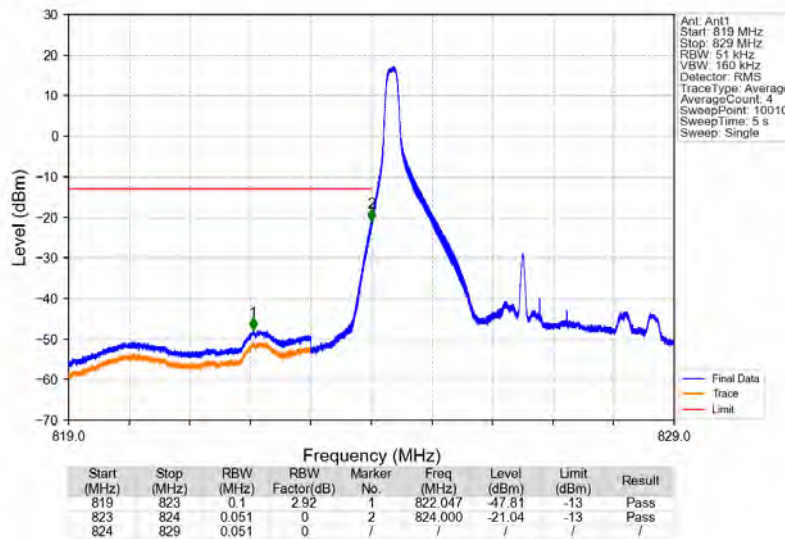
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



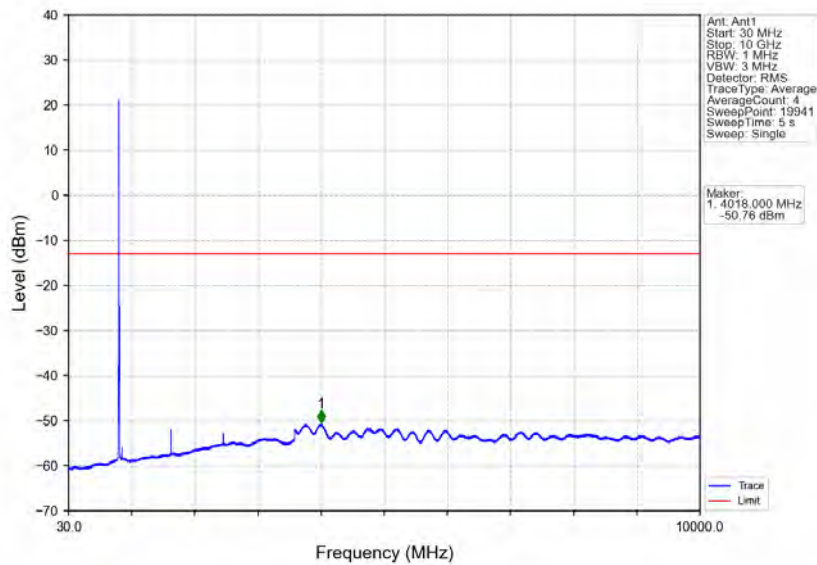
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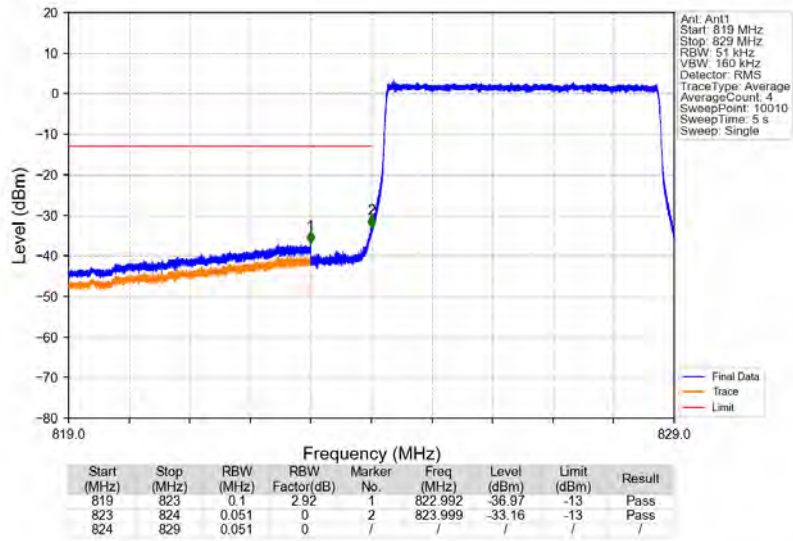
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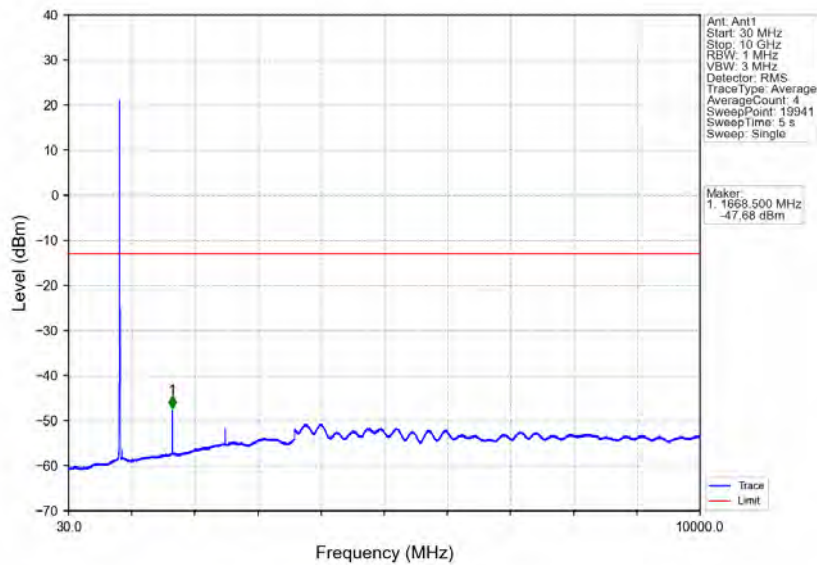
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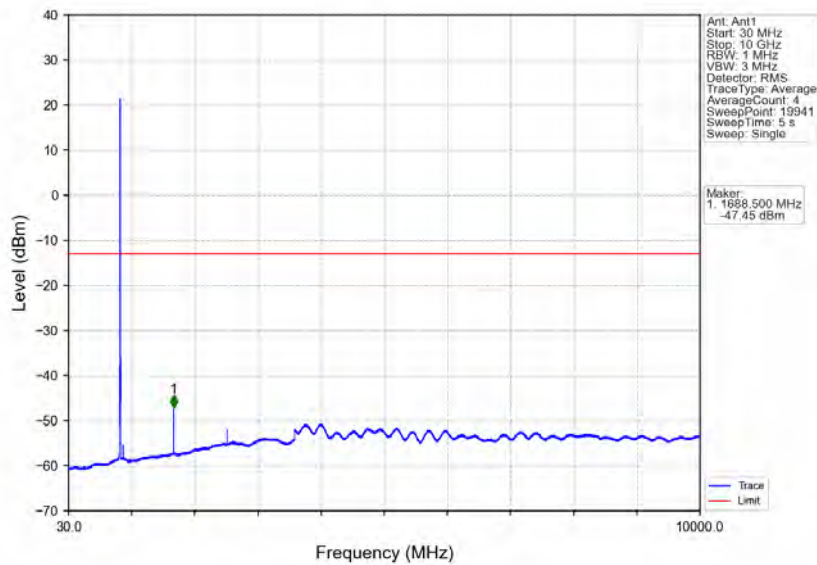
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Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



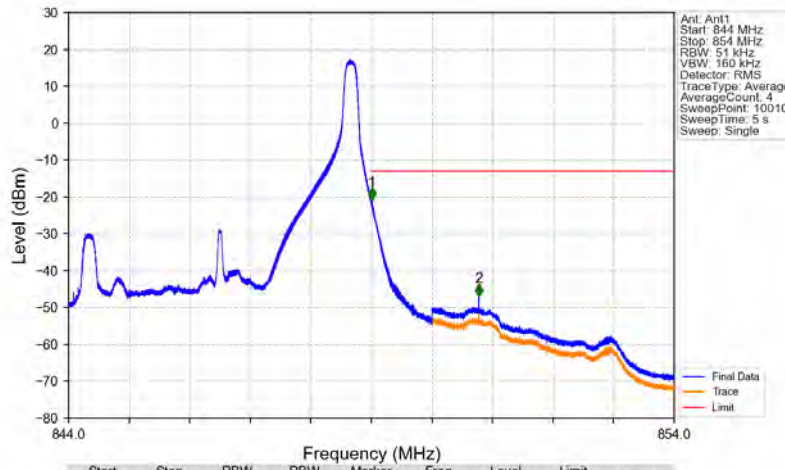
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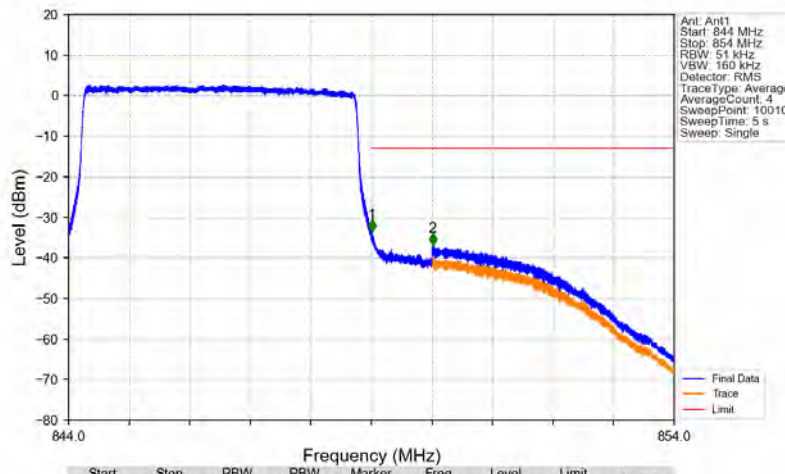
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Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	0	/	/	/	/	/
849	850	0.051	0	1	849.007	-20.83	-13	Pass
850	854	0.1	2.92	2	850.773	-46.93	-13	Pass

Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	0	/	/	/	/	/
849	850	0.051	0	1	849.011	-33.60	-13	Pass
850	854	0.1	2.92	2	850.012	-36.91	-13	Pass



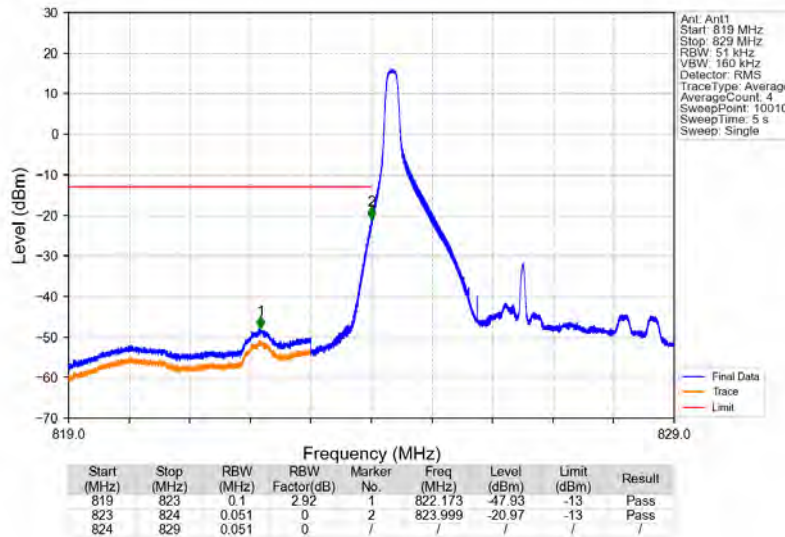
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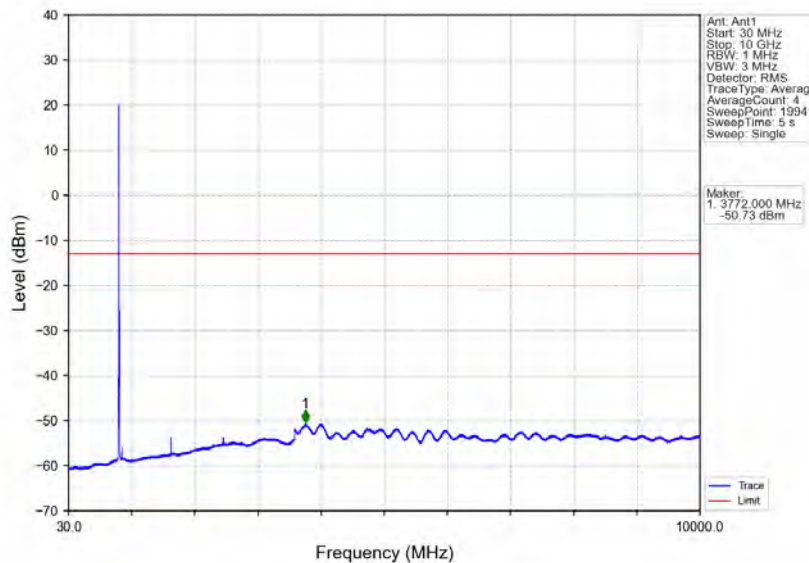
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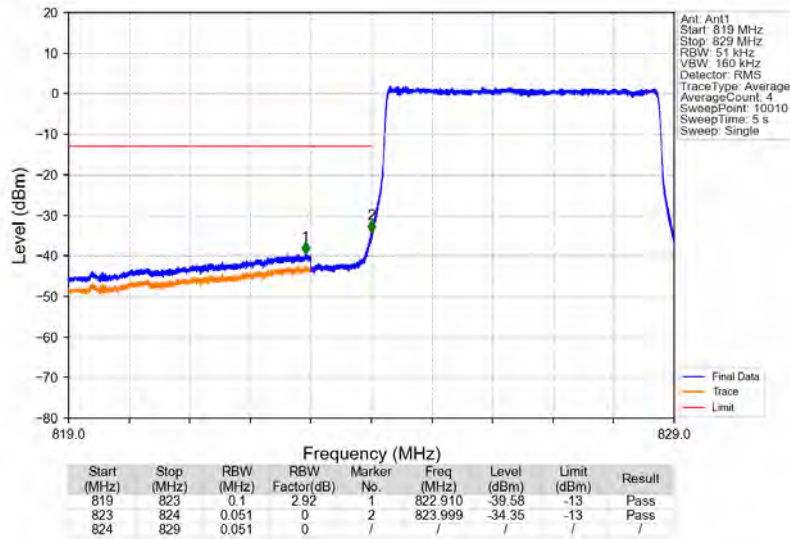
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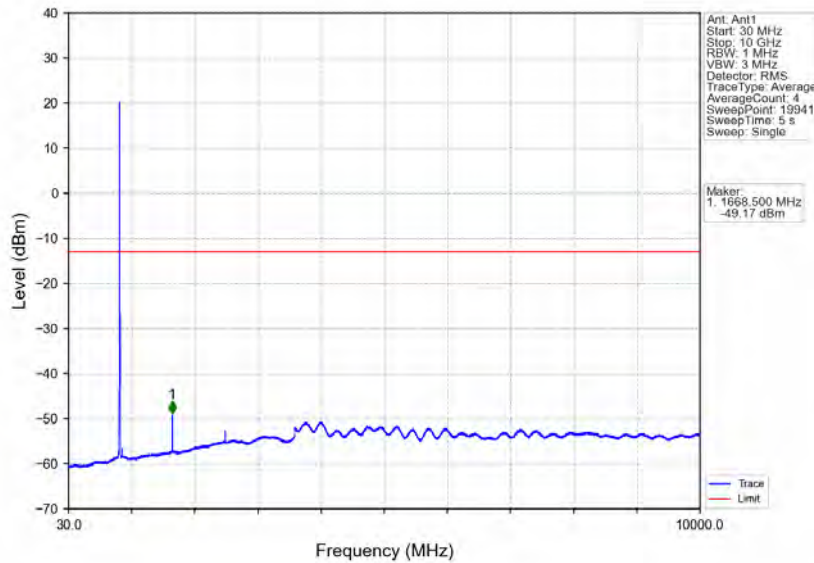
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Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



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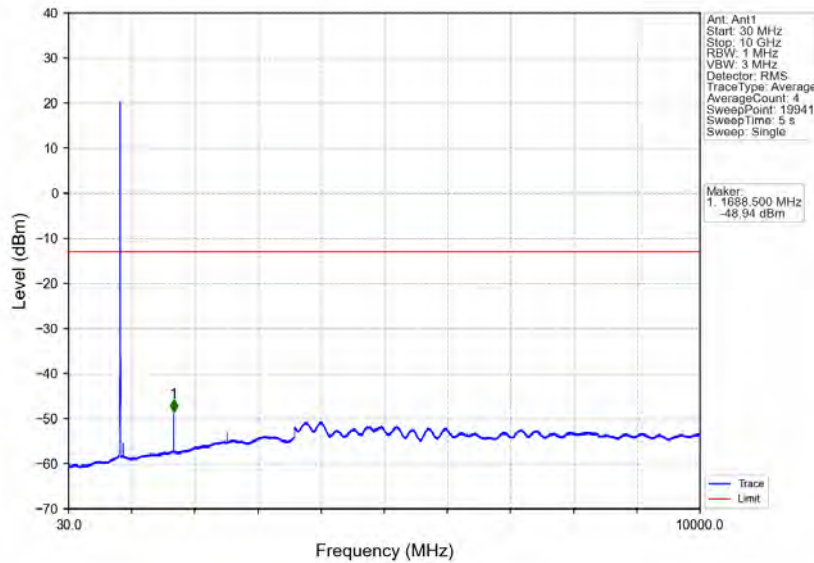
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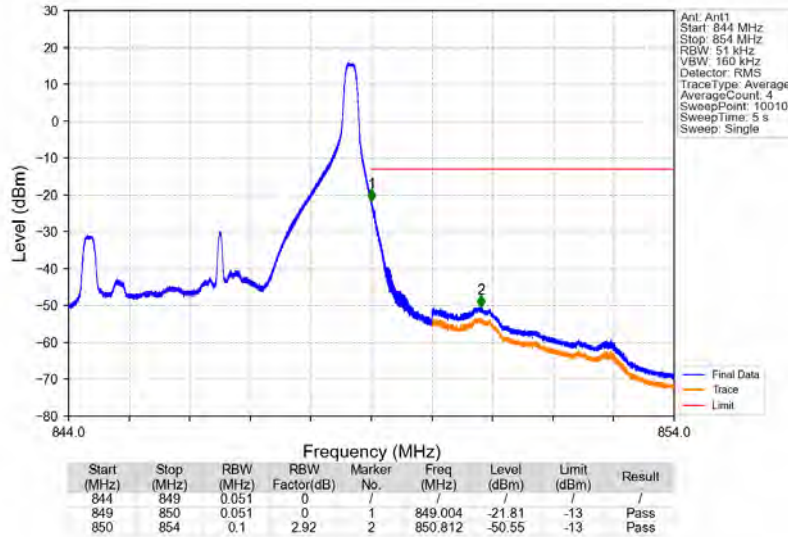


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EMC Laboratory

Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_24_NTNV



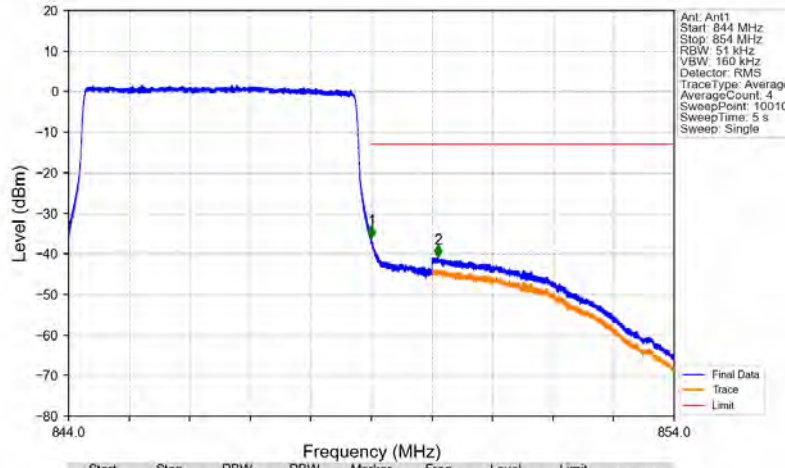
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Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	0	/	/	/	/	/
849	850	0.051	0	1	849.004	-36.14	-13	Pass
850	854	0.1	2.92	2	850.104	-40.92	-13	Pass



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6.4 B5_10MHz

6.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

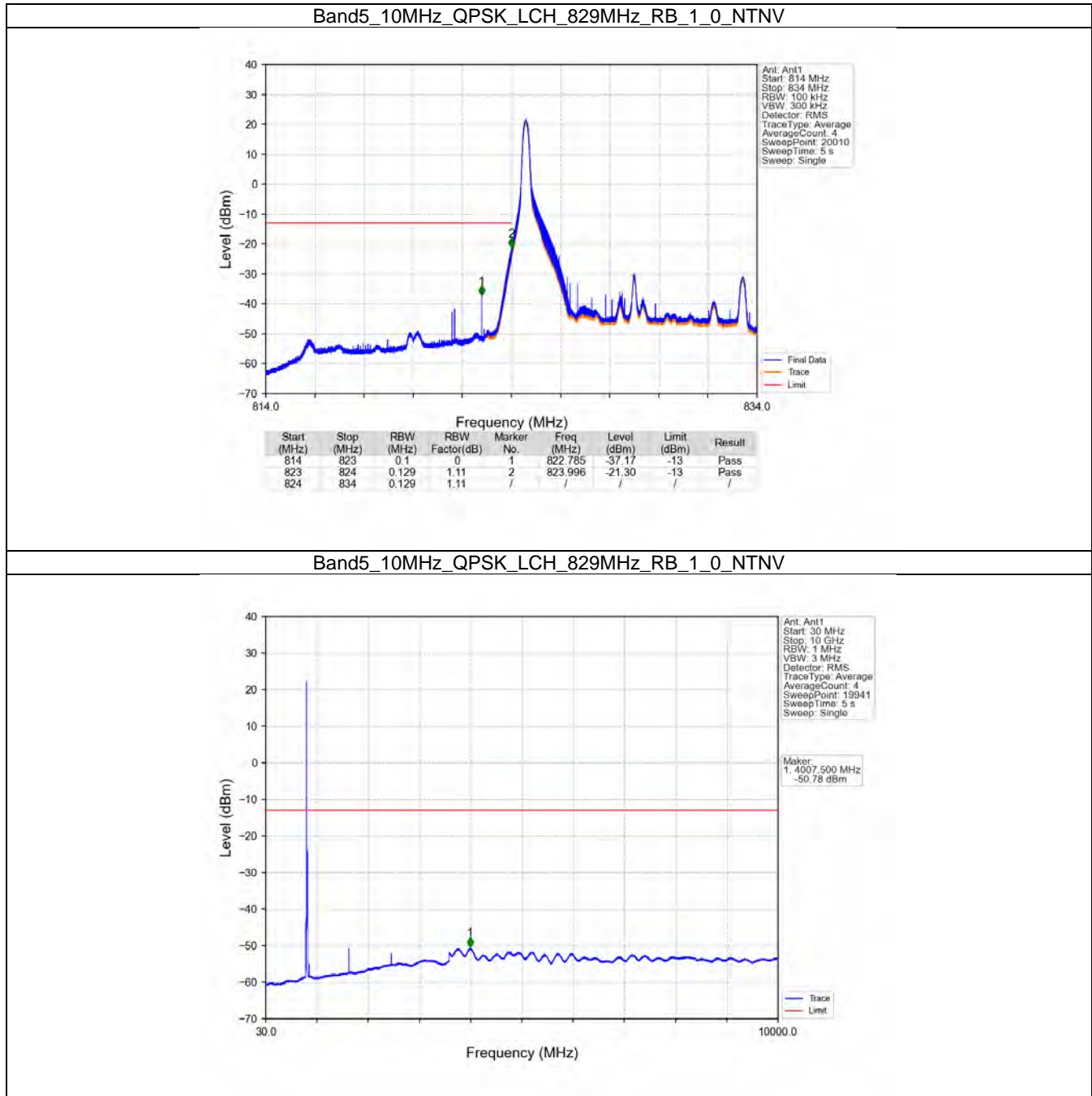


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6.4.2 Test Graph



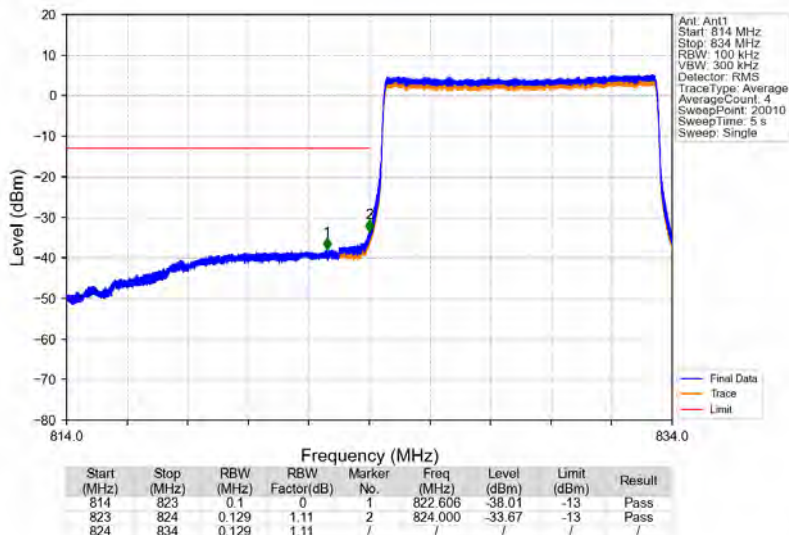
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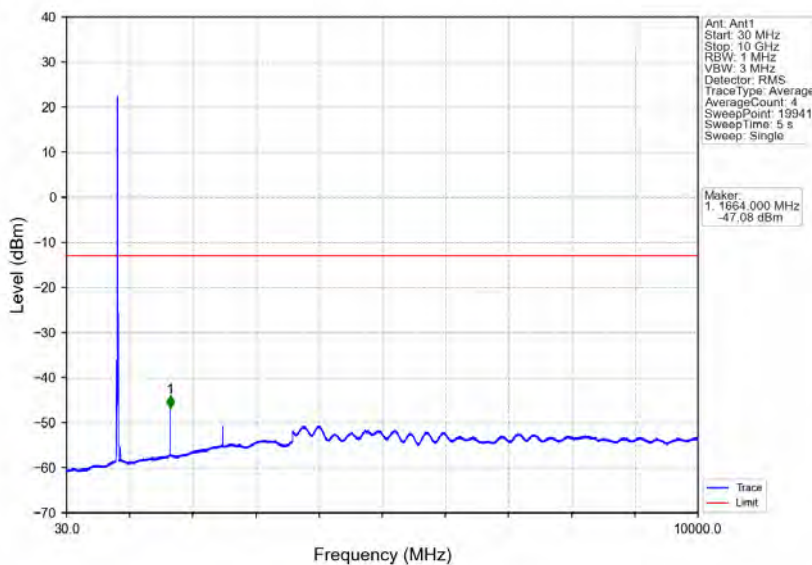
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Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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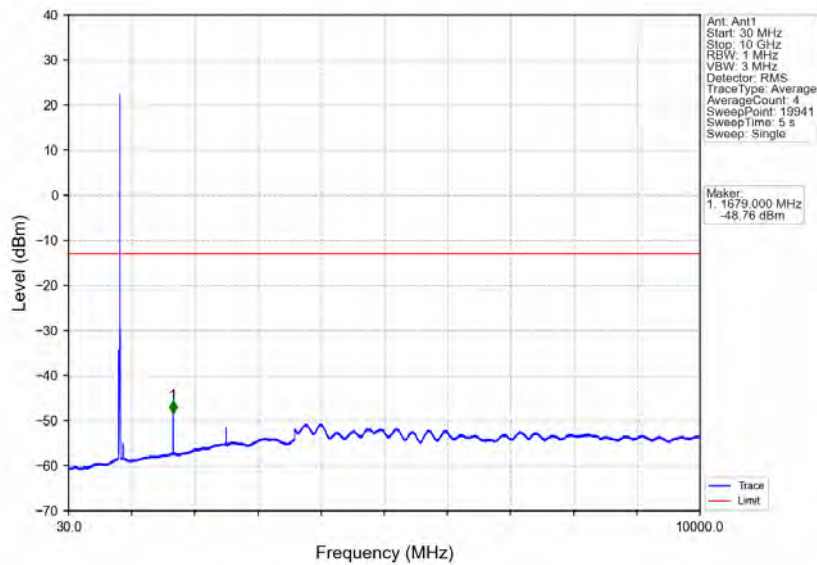
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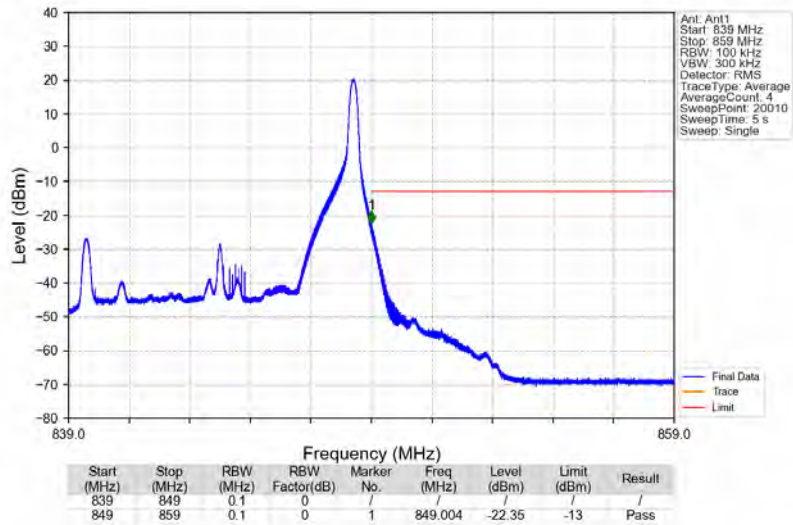
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Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



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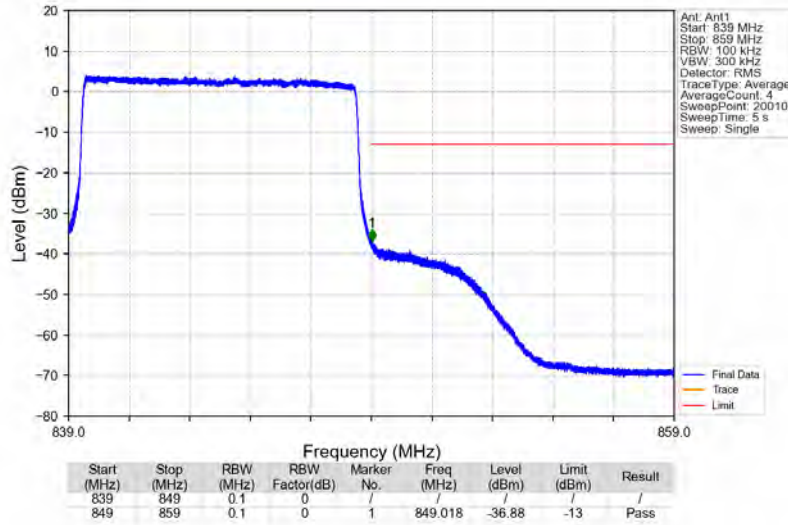
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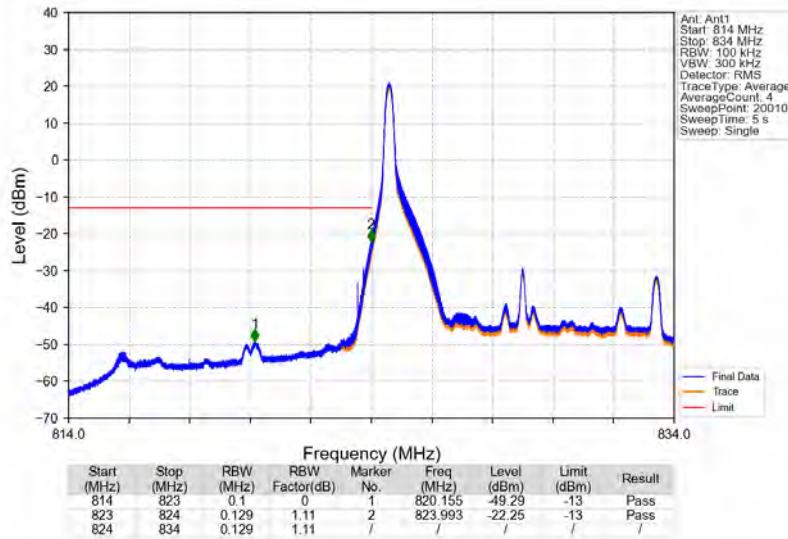
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



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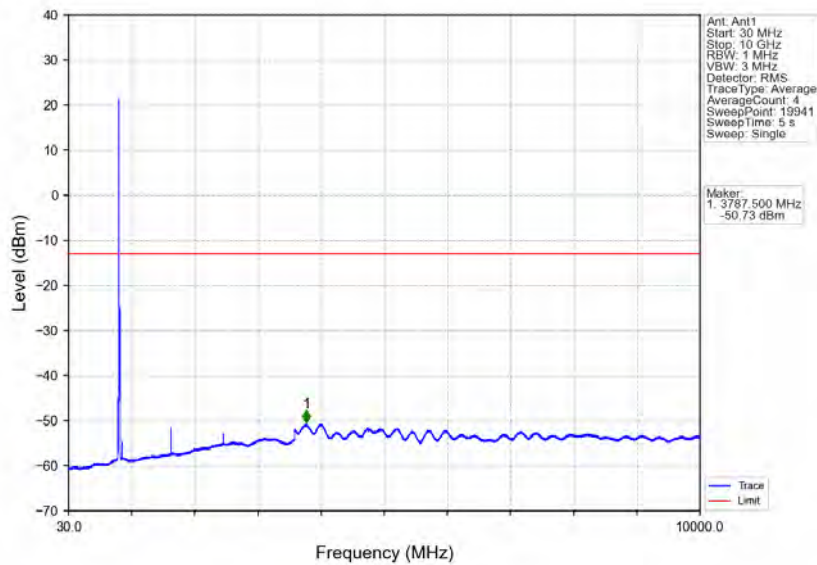
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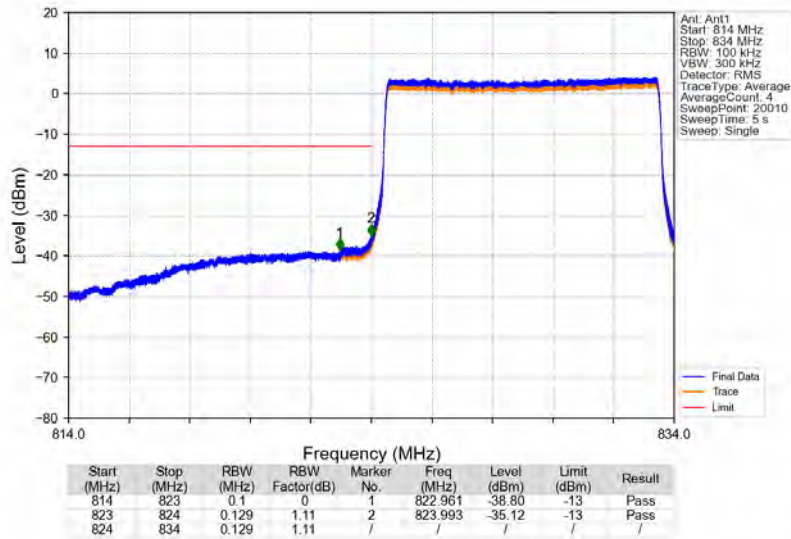
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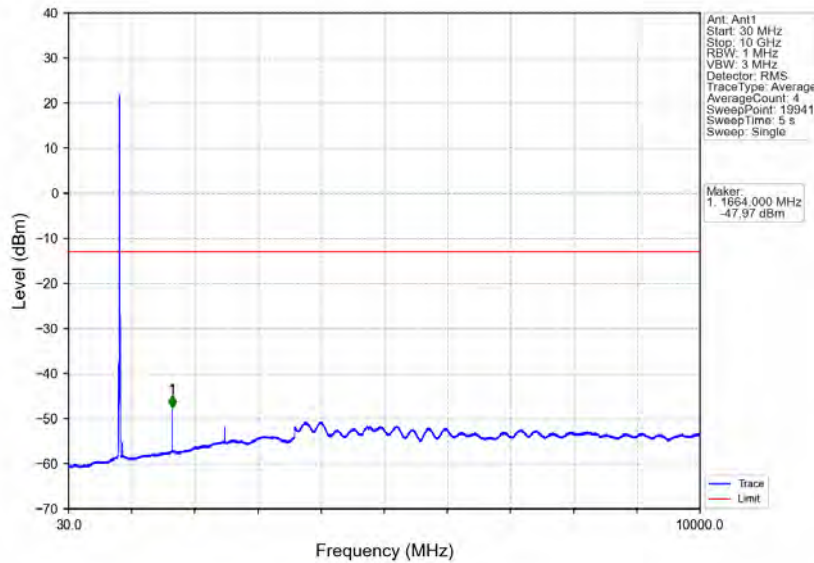
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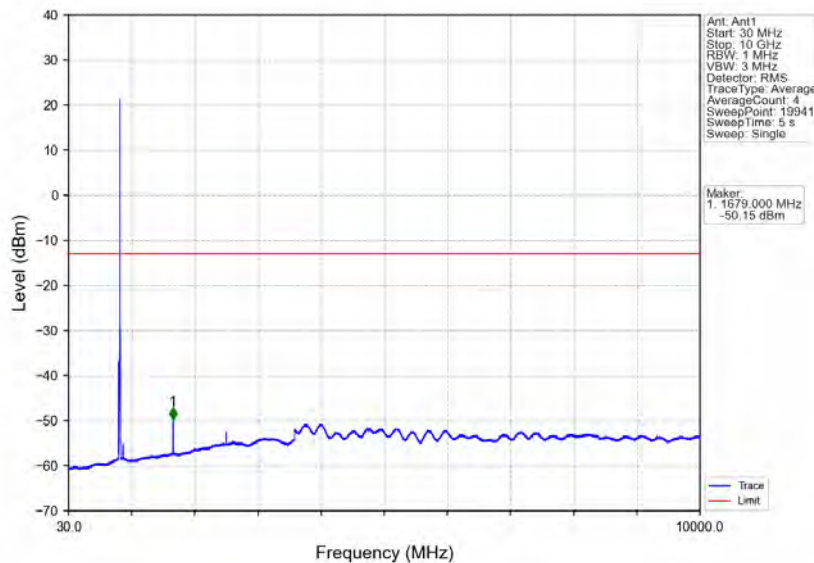
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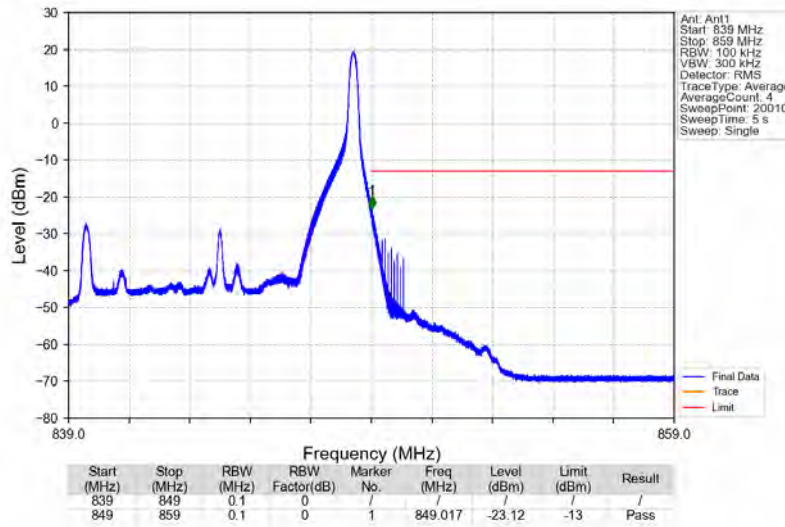
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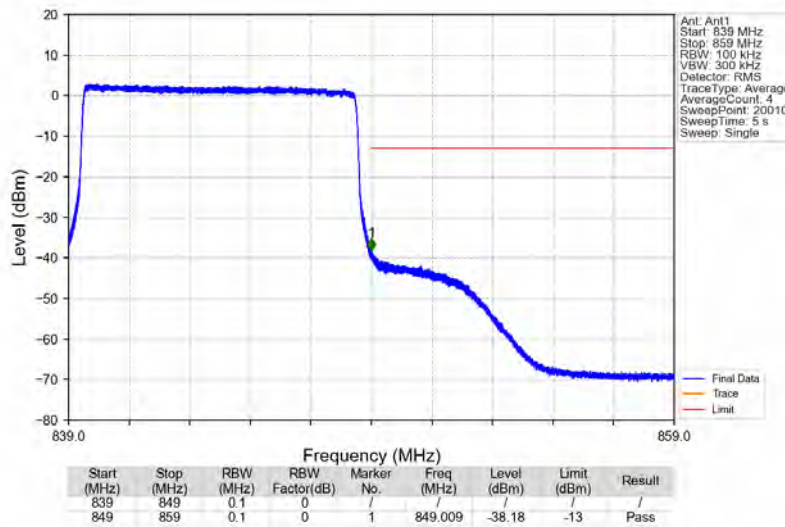
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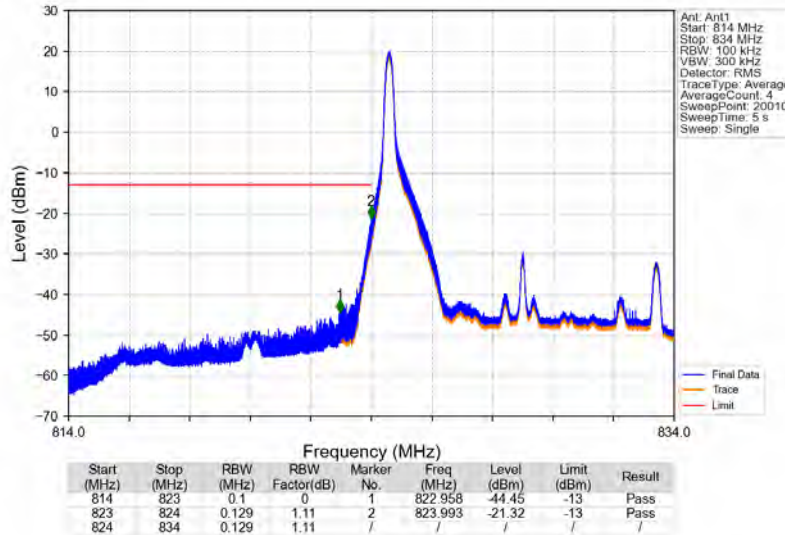
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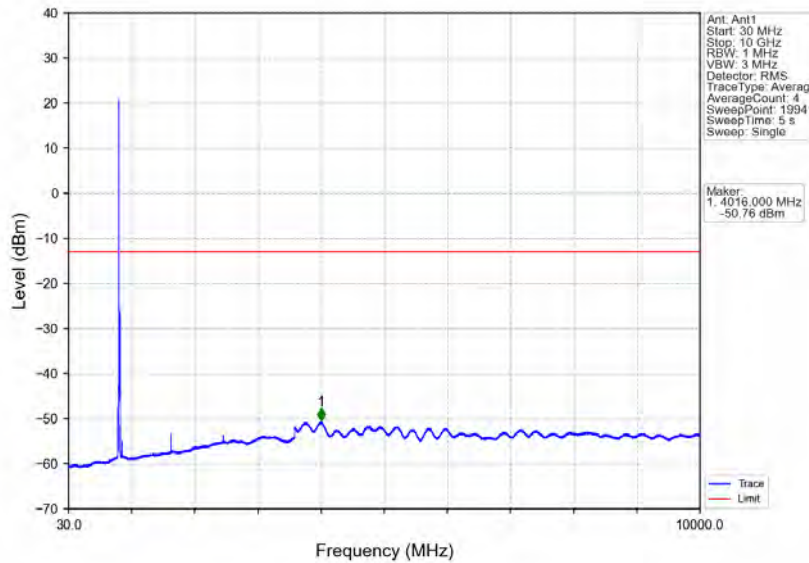
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Band5_10MHz_64QAM_LCH_829MHz_RB_1_0_NTNV



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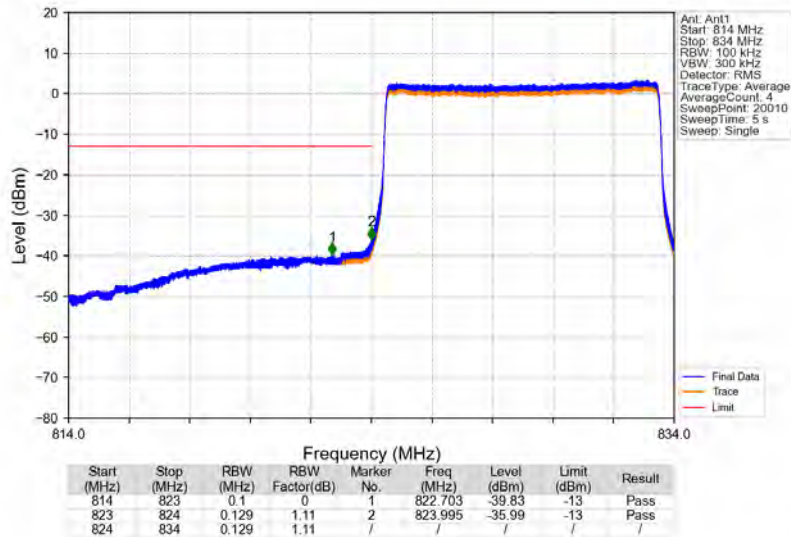
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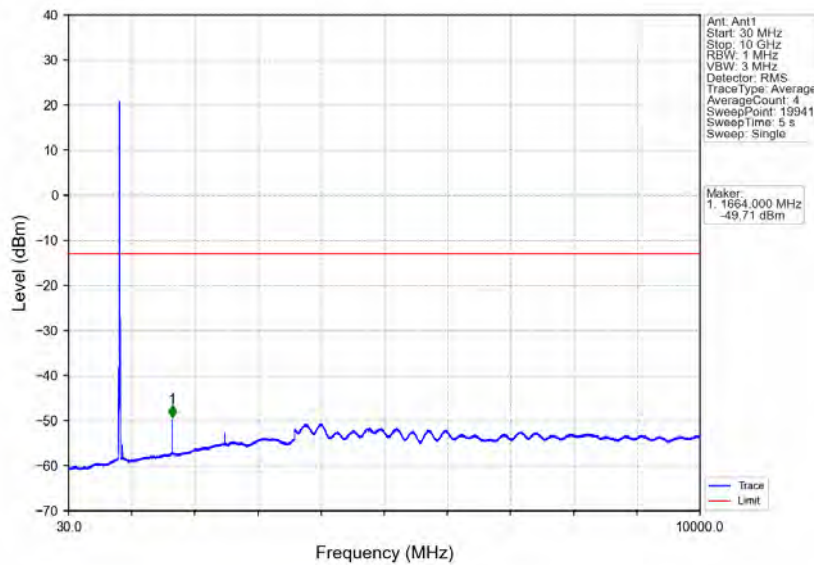
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Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



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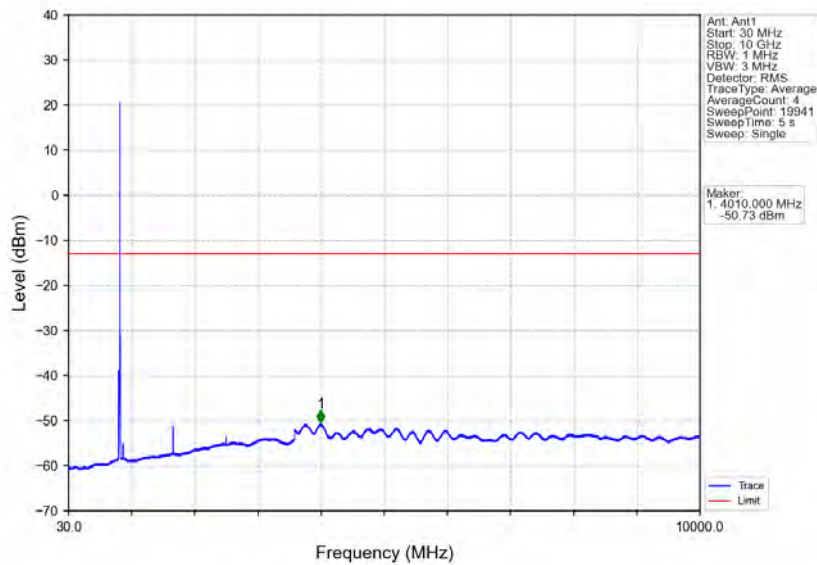
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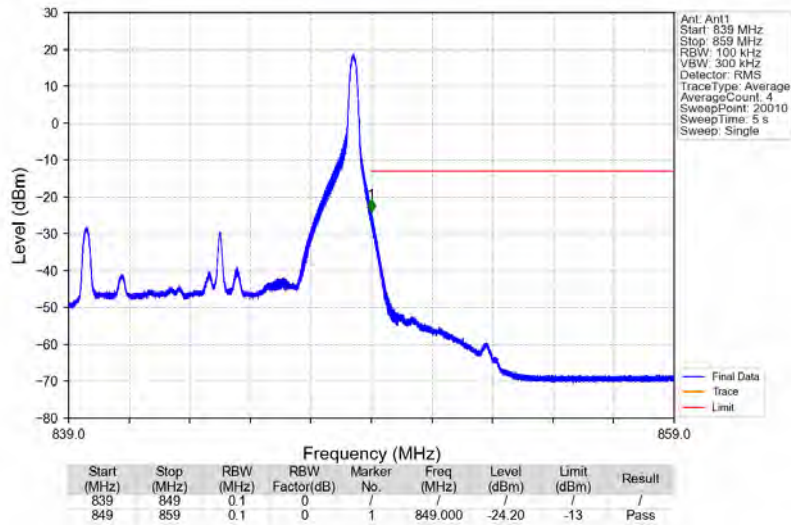


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Band5_10MHz_64QAM_HCH_844MHz_RB_1_0_NTNV



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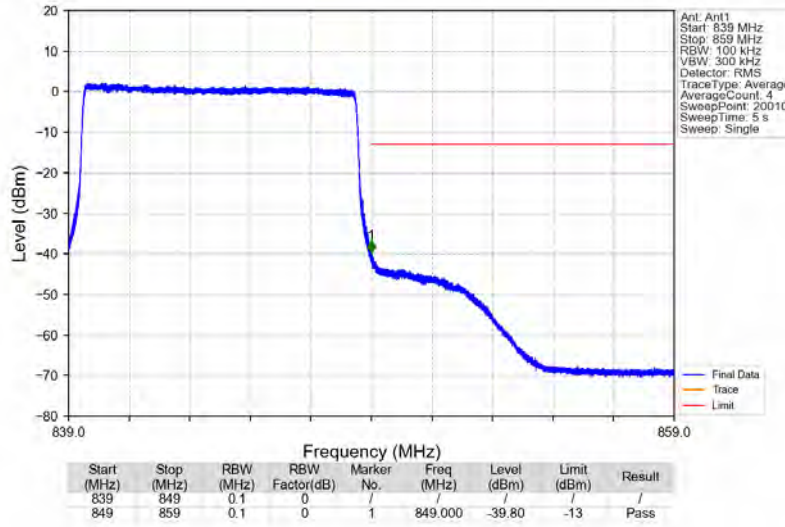
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