Appendix B.9

LTE Band 13

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1. Effective (Isotropic) Radiated Power Output Data

1.1 B13_5MHz_ERPAnt0

1.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	779.5	1	0	23.47	0.16	21.48	<=34.77	Pass
			13	23.65	0.16	21.66	<=34.77	Pass
			24	23.45	0.16	21.46	<=34.77	Pass
		12	0	22.58	0.16	20.59	<=34.77	Pass
			6	22.62	0.16	20.63	<=34.77	Pass
			13	22.59	0.16	20.60	<=34.77	Pass
		25	0	22.61	0.16	20.62	<=34.77	Pass
	782	1	0	23.51	0.16	21.52	<=34.77	Pass
			13	23.64	0.16	21.65	<=34.77	Pass
			24	23.43	0.16	21.44	<=34.77	Pass
		12	0	22.55	0.16	20.56	<=34.77	Pass
			6	22.63	0.16	20.64	<=34.77	Pass
			13	22.53	0.16	20.54	<=34.77	Pass
		25	0	22.56	0.16	20.57	<=34.77	Pass
	784.5	1	0	23.53	0.16	21.54	<=34.77	Pass
			13	23.63	0.16	21.64	<=34.77	Pass
			24	23.50	0.16	21.51	<=34.77	Pass
		12	0	22.58	0.16	20.59	<=34.77	Pass
			6	22.60	0.16	20.61	<=34.77	Pass
			13	22.57	0.16	20.58	<=34.77	Pass
		25	0	22.60	0.16	20.61	<=34.77	Pass
16QAM	779.5	1	0	22.68	0.16	20.69	<=34.77	Pass
			13	22.81	0.16	20.82	<=34.77	Pass
			24	22.66	0.16	20.67	<=34.77	Pass
		12	0	21.60	0.16	19.61	<=34.77	Pass
			6	21.68	0.16	19.69	<=34.77	Pass
			13	21.63	0.16	19.64	<=34.77	Pass
		25	0	21.63	0.16	19.64	<=34.77	Pass
	782	1	0	22.71	0.16	20.72	<=34.77	Pass
			13	22.84	0.16	20.85	<=34.77	Pass
			24	22.61	0.16	20.62	<=34.77	Pass
		12	0	21.55	0.16	19.56	<=34.77	Pass
			6	21.59	0.16	19.60	<=34.77	Pass
			13	21.50	0.16	19.51	<=34.77	Pass
		25	0	21.58	0.16	19.59	<=34.77	Pass
	784.5	1	0	22.76	0.16	20.77	<=34.77	Pass
			13	22.84	0.16	20.85	<=34.77	Pass
			24	22.75	0.16	20.76	<=34.77	Pass
		12	0	21.54	0.16	19.55	<=34.77	Pass

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			6	21.54	0.16	19.55	<=34.77	Pass
			13	21.54	0.16	19.55	<=34.77	Pass
		25	0	21.59	0.16	19.60	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B13_10MHz_ERP

1.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	782	1	0	23.56	0.16	21.57	<=34.77	Pass
			25	23.69	0.16	21.70	<=34.77	Pass
			49	23.51	0.16	21.52	<=34.77	Pass
		25	0	22.61	0.16	20.62	<=34.77	Pass
			13	22.61	0.16	20.62	<=34.77	Pass
			25	22.55	0.16	20.56	<=34.77	Pass
		50	0	22.56	0.16	20.57	<=34.77	Pass
16QAM	782	1	0	22.75	0.16	20.76	<=34.77	Pass
			25	22.94	0.16	20.95	<=34.77	Pass
			49	22.69	0.16	20.70	<=34.77	Pass
		25	0	21.67	0.16	19.68	<=34.77	Pass
			13	21.67	0.16	19.68	<=34.77	Pass
			25	21.63	0.16	19.64	<=34.77	Pass
		50	0	21.59	0.16	19.60	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

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2. Frequency Stability

2.2 B13_10MHz

2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	8	-9.417	-0.0120	/	Pass
					12	-0.557	-0.0007	/	Pass
					16	-5.944	-0.0076	/	Pass
				-30	12	-3.270	-0.0042	/	Pass
				-20	12	-4.645	-0.0059	/	Pass
				-10	12	-5.276	-0.0067	/	Pass
				0	12	-2.570	-0.0033	/	Pass
				10	12	-1.530	-0.0020	/	Pass
				30	12	-1.294	-0.0017	/	Pass
				40	12	-1.108	-0.0014	/	Pass
				50	12	-2.866	-0.0037	/	Pass
16QAM	782	50	0	20	8	-3.430	-0.0044	/	Pass
					12	-2.713	-0.0035	/	Pass
					16	-5.461	-0.0070	/	Pass
				-30	12	-3.281	-0.0042	/	Pass
				-20	12	-2.261	-0.0029	/	Pass
				-10	12	-2.151	-0.0028	/	Pass
				0	12	-3.906	-0.0050	/	Pass
				10	12	-2.943	-0.0038	/	Pass
				30	12	-1.247	-0.0016	/	Pass
				40	12	-1.091	-0.0014	/	Pass
				50	12	-0.962	-0.0012	/	Pass

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3. 99% & 26dB Bandwidth

3.1 Band13_OBW

3.1.1 Test Result

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.557	/	Pass
		782	25	0	4.565	/	Pass
		784.5	25	0	4.585	/	Pass
	16QAM	779.5	25	0	4.586	/	Pass
		782	25	0	4.549	/	Pass
		784.5	25	0	4.557	/	Pass
10	QPSK	782	50	0	9.083	/	Pass
	16QAM	782	50	0	9.085	/	Pass

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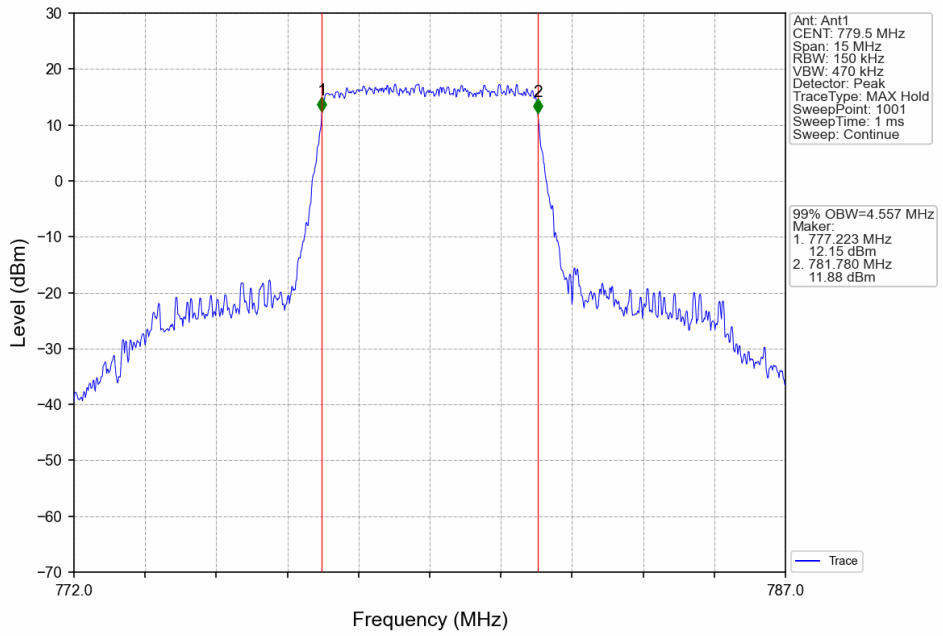
3.1.2 Test Graph

Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV

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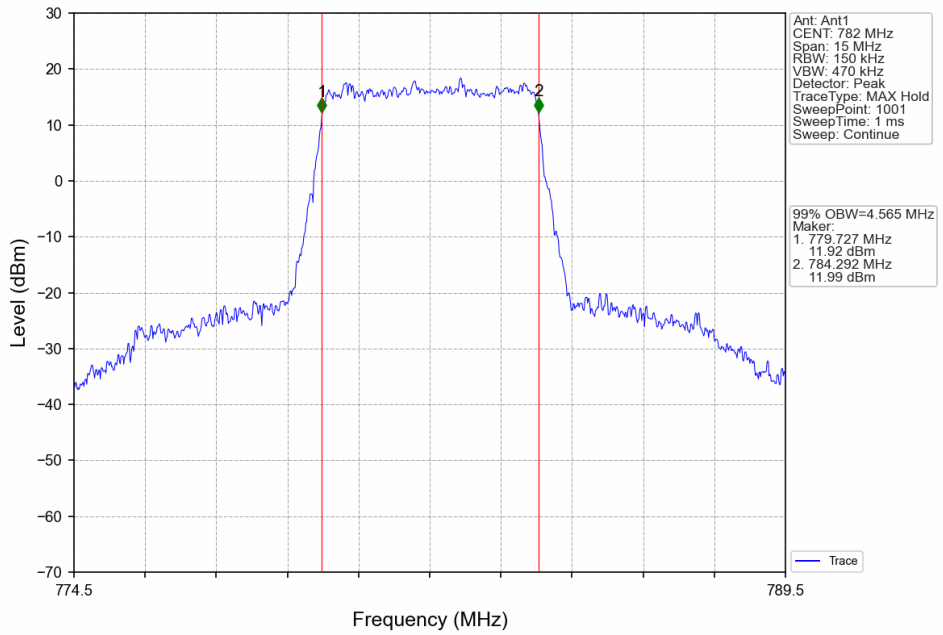

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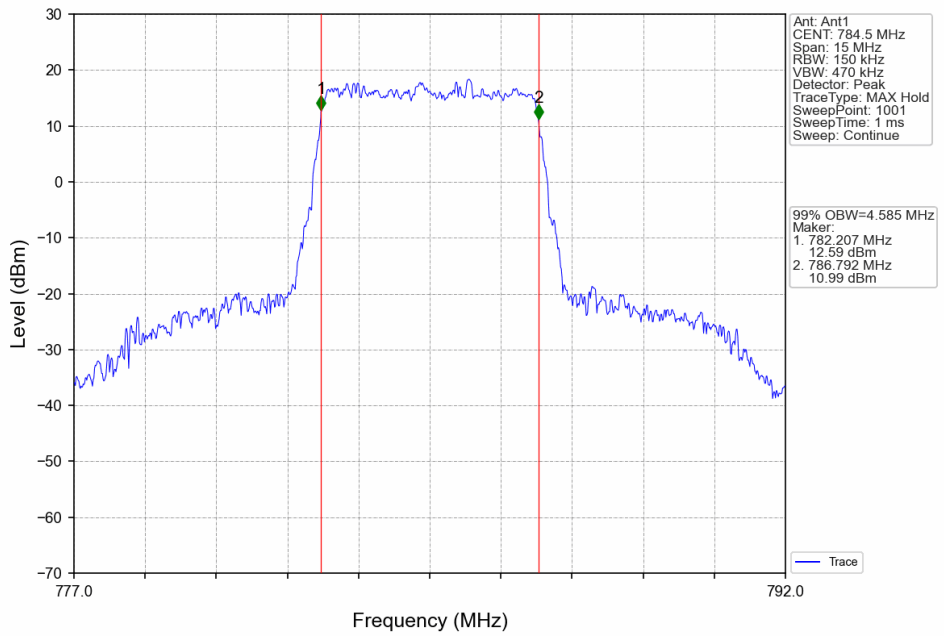
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

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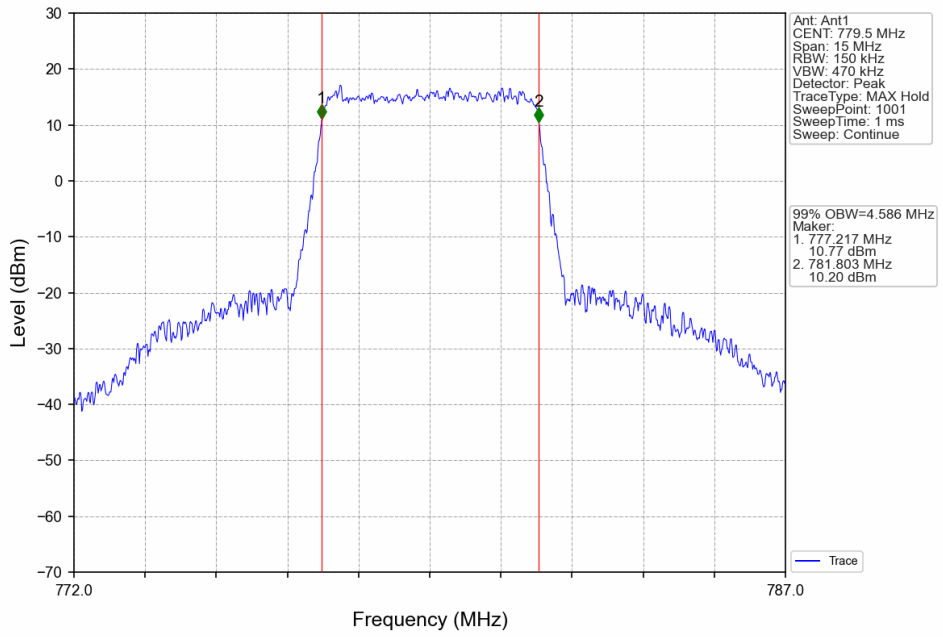

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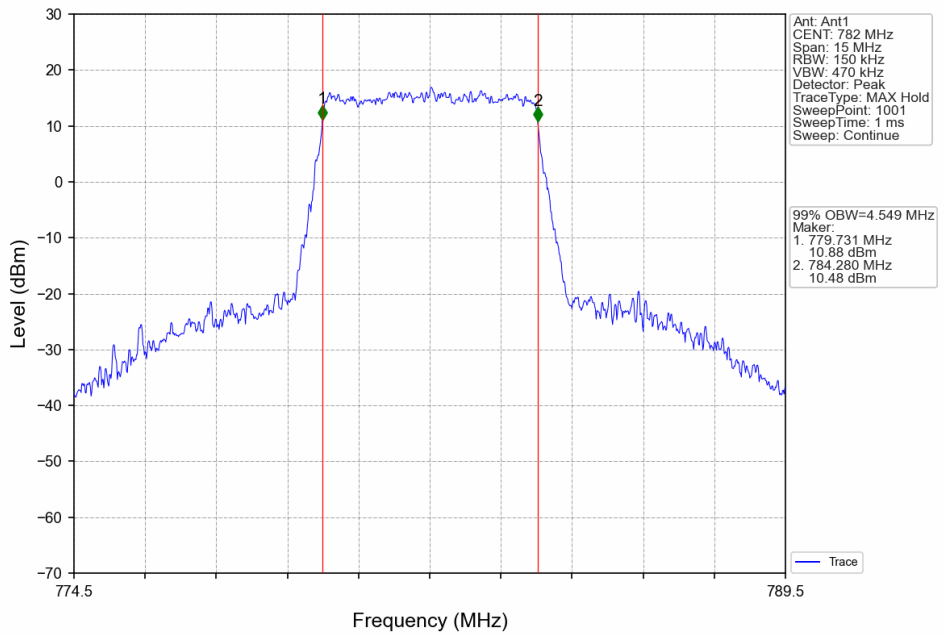
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

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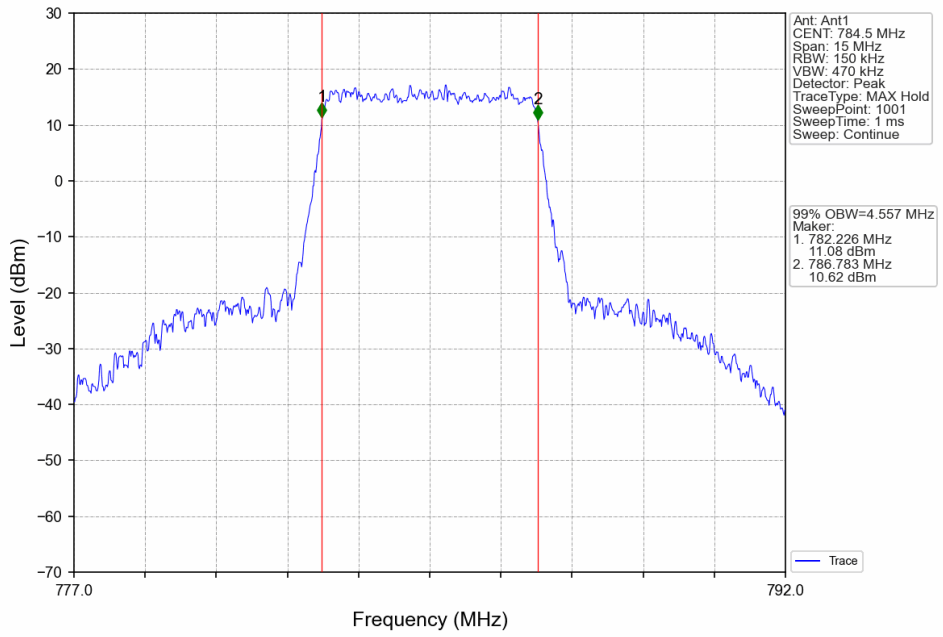

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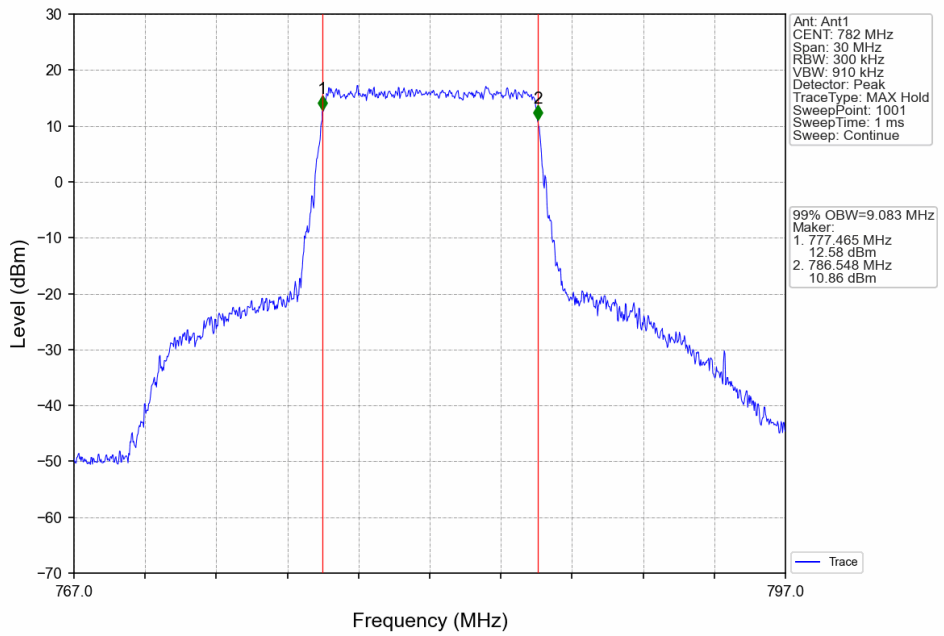
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

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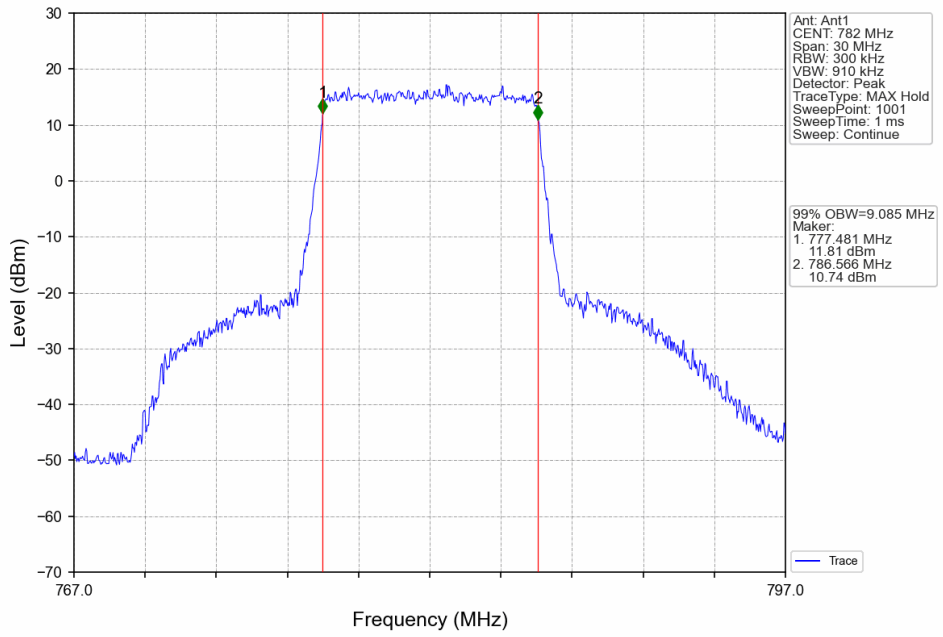

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3.2 Band13_XDB

3.2.1 Test Result

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.241	/	Pass
		782	25	0	5.225	/	Pass
		784.5	25	0	5.247	/	Pass
	16QAM	779.5	25	0	5.264	/	Pass
		782	25	0	5.236	/	Pass
		784.5	25	0	5.237	/	Pass
10	QPSK	782	50	0	10.334	/	Pass
	16QAM	782	50	0	10.117	/	Pass

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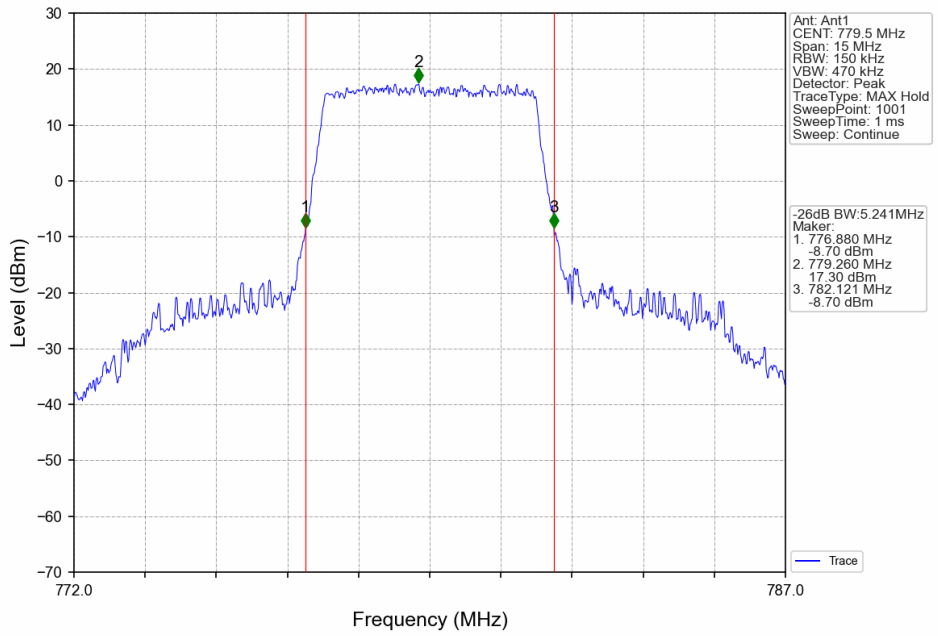
3.2.2 Test Graph

Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV

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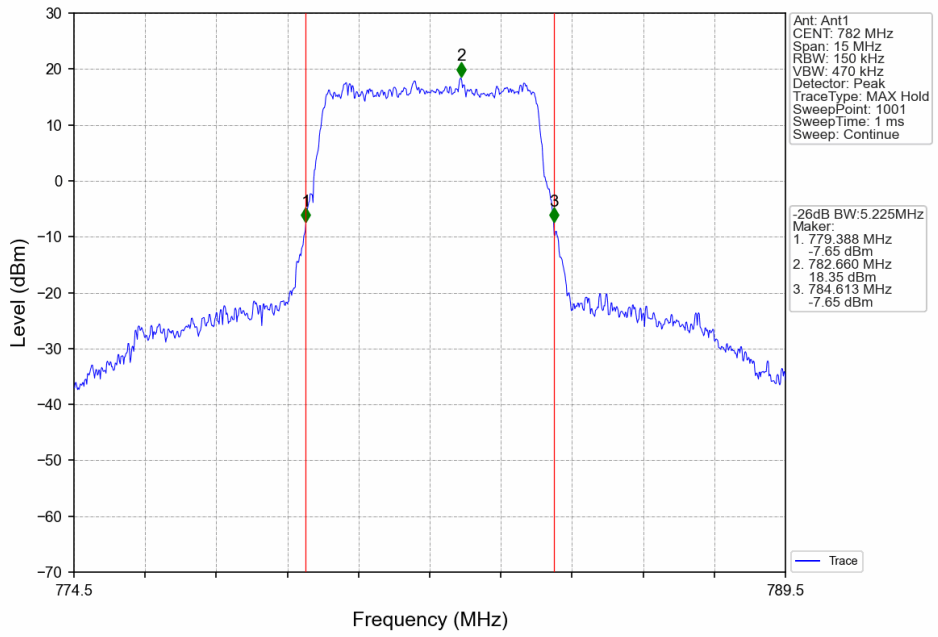

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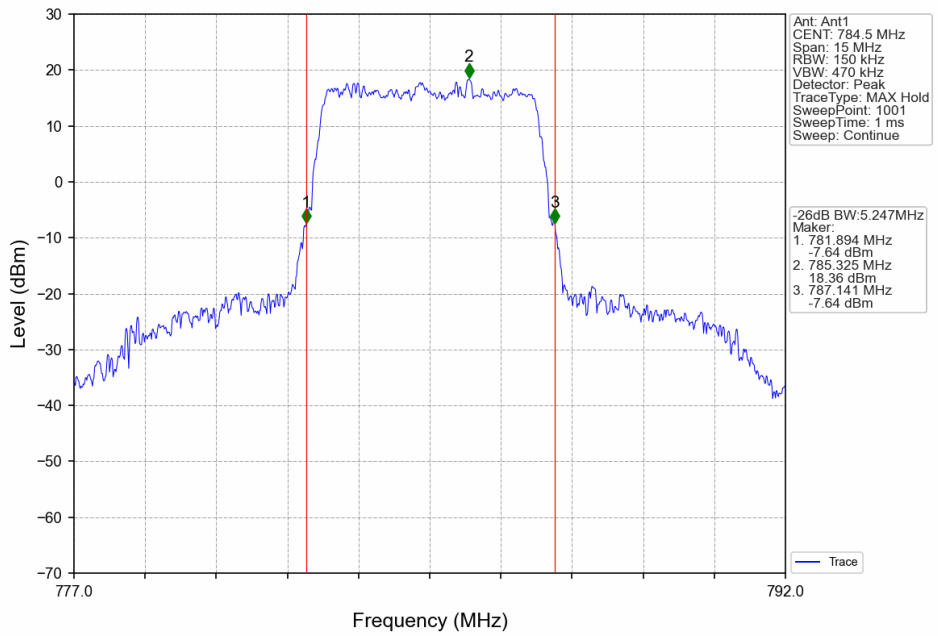
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

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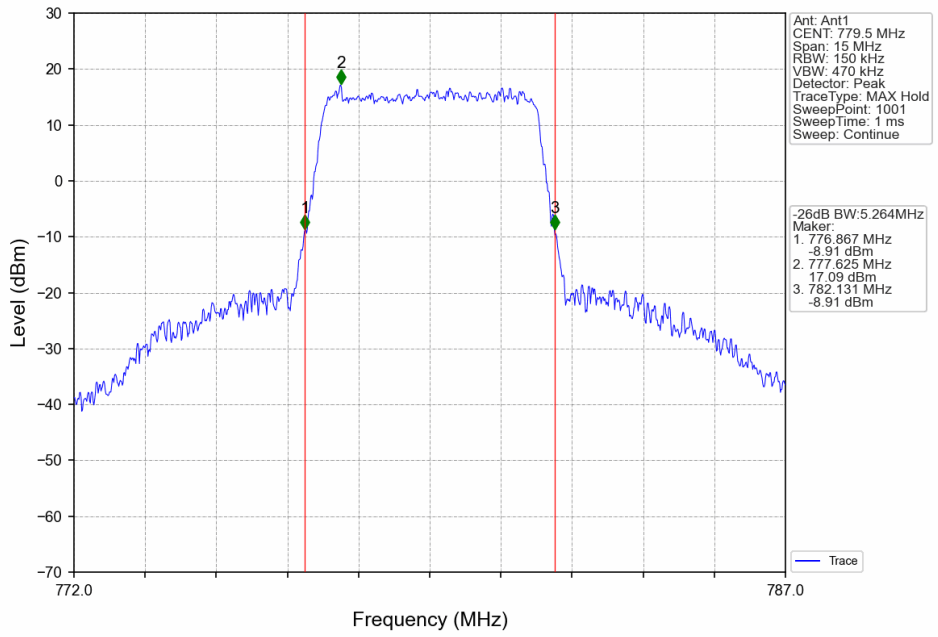

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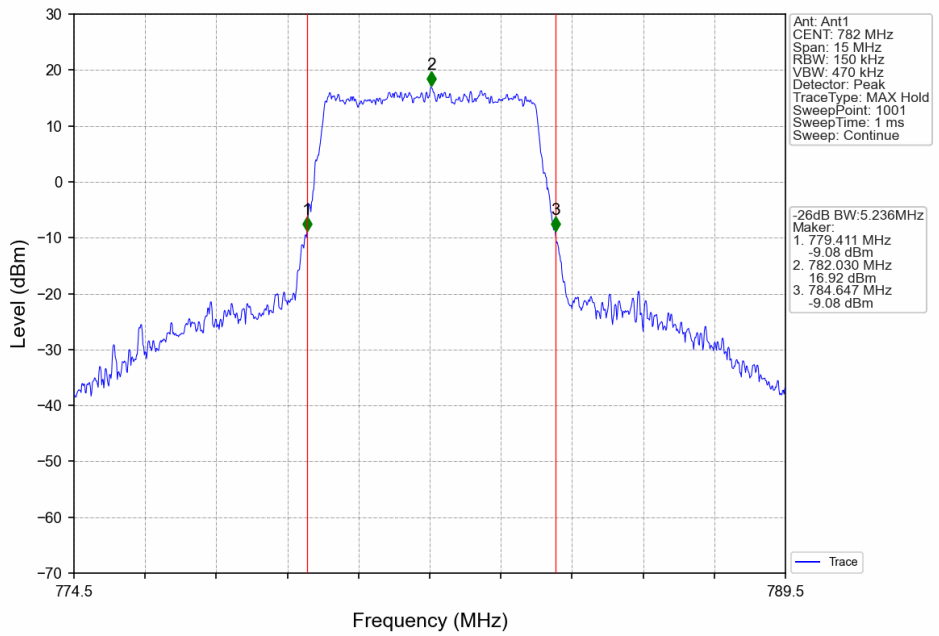

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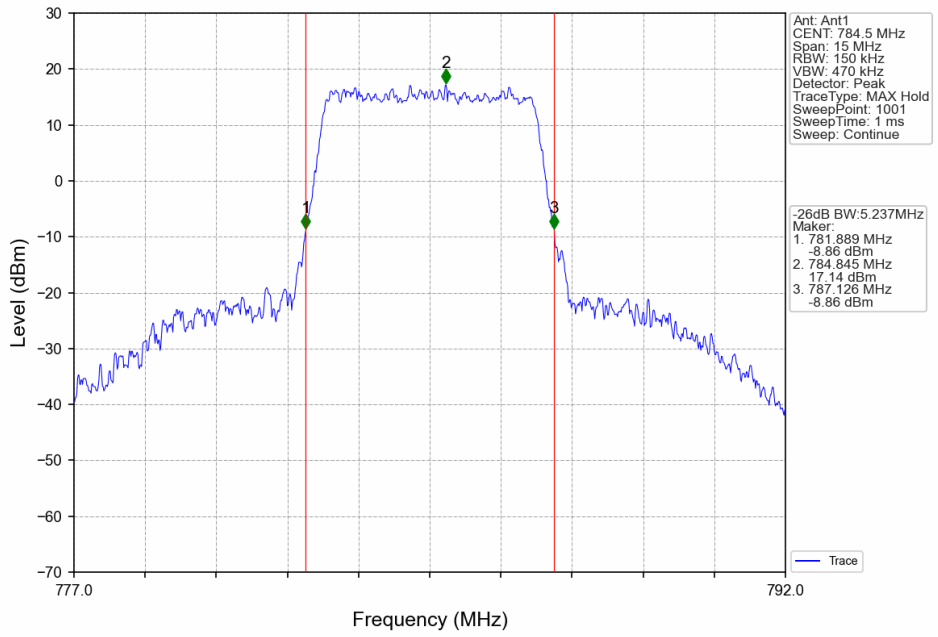

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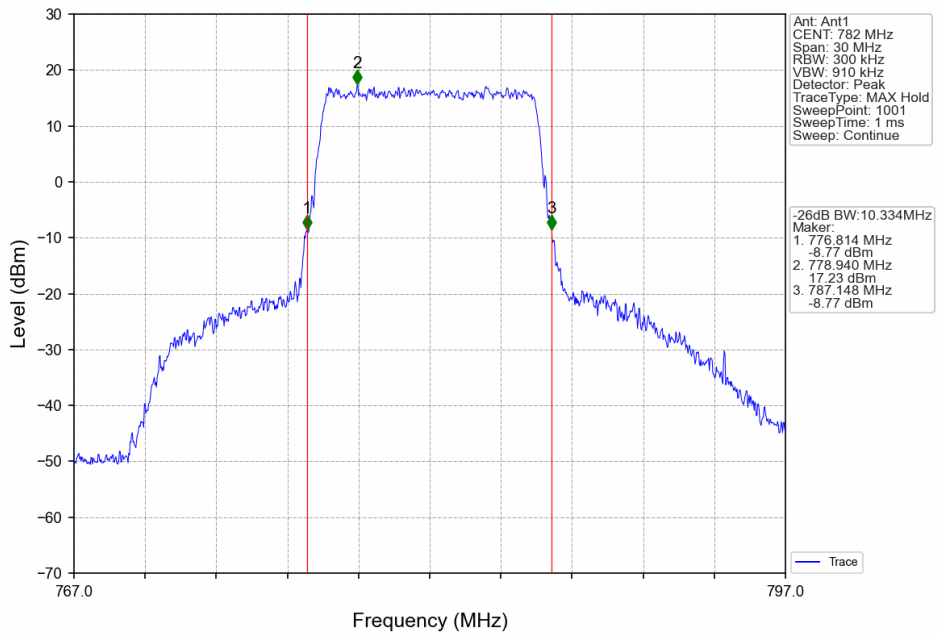

Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

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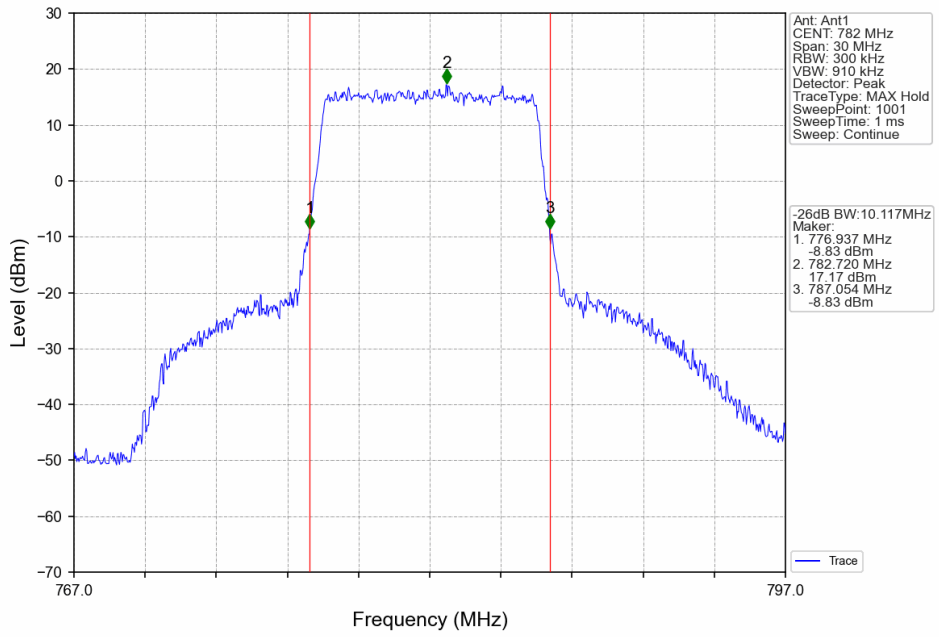

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4. Peak-Average Ratio

4.1 B13_5MHz

4.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.35	<=13	Pass
	782	25	0	5.31	<=13	Pass
	784.5	25	0	5.37	<=13	Pass
16QAM	779.5	25	0	6.01	<=13	Pass
	782	25	0	6.01	<=13	Pass
	784.5	25	0	6.03	<=13	Pass

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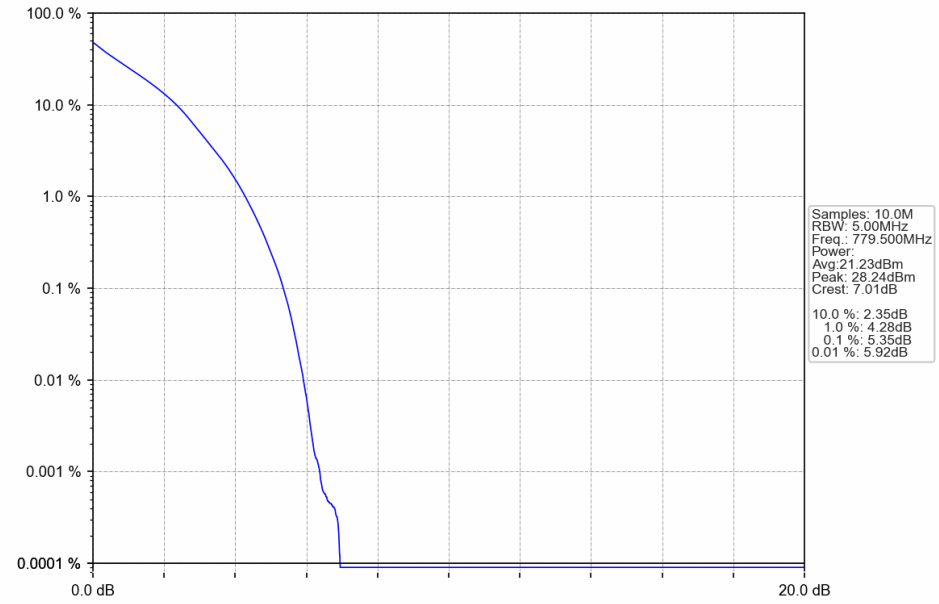
4.1.2 Test Graph

Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV

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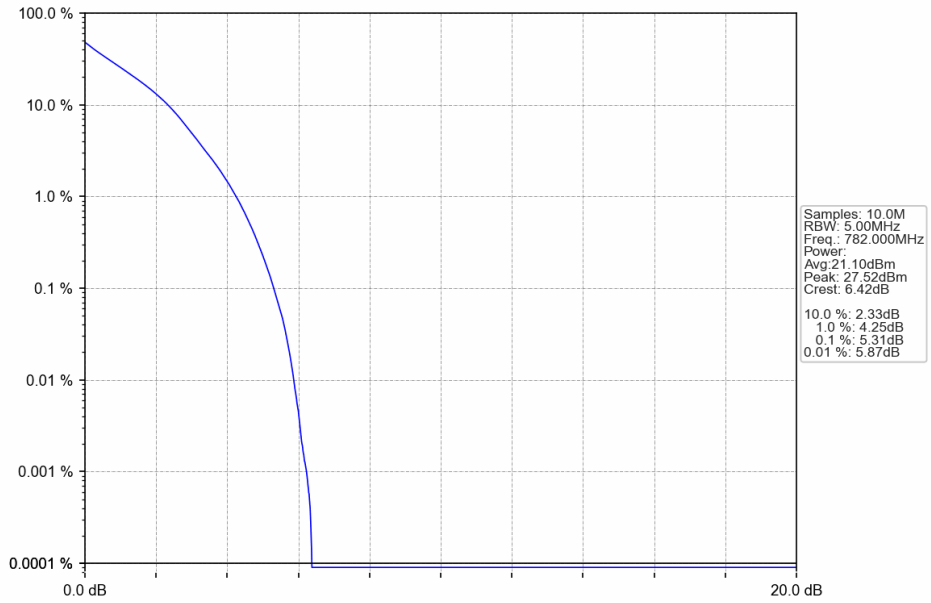

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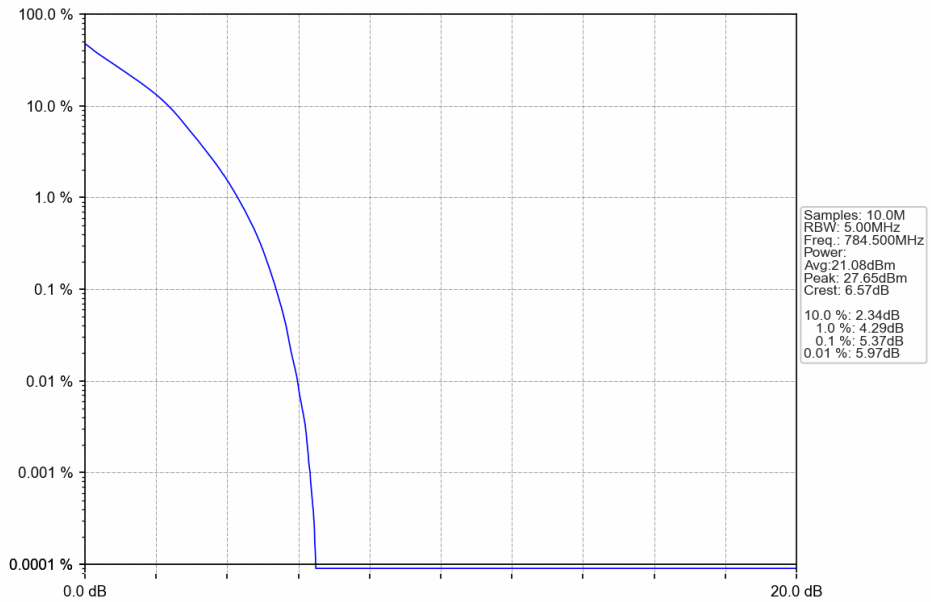
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

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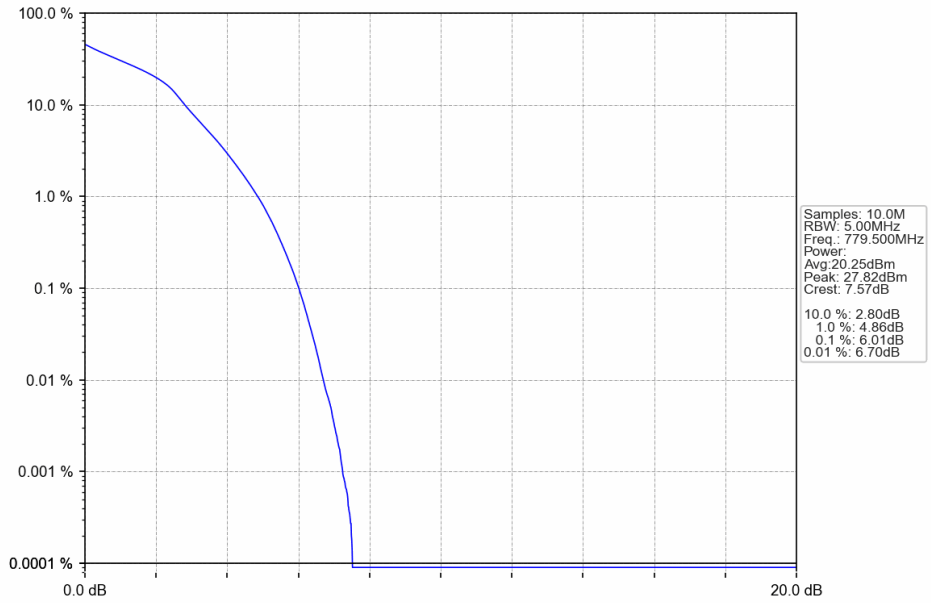

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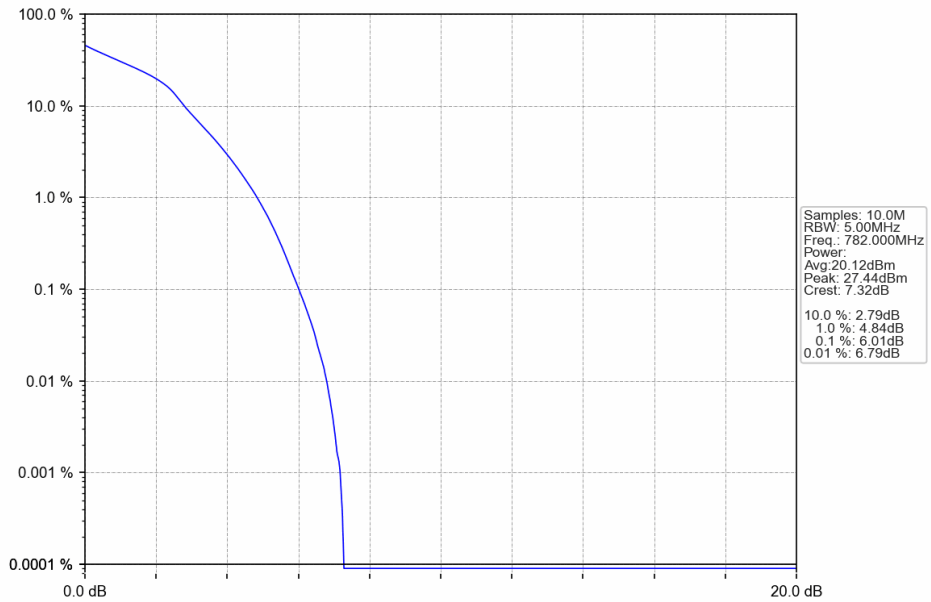
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

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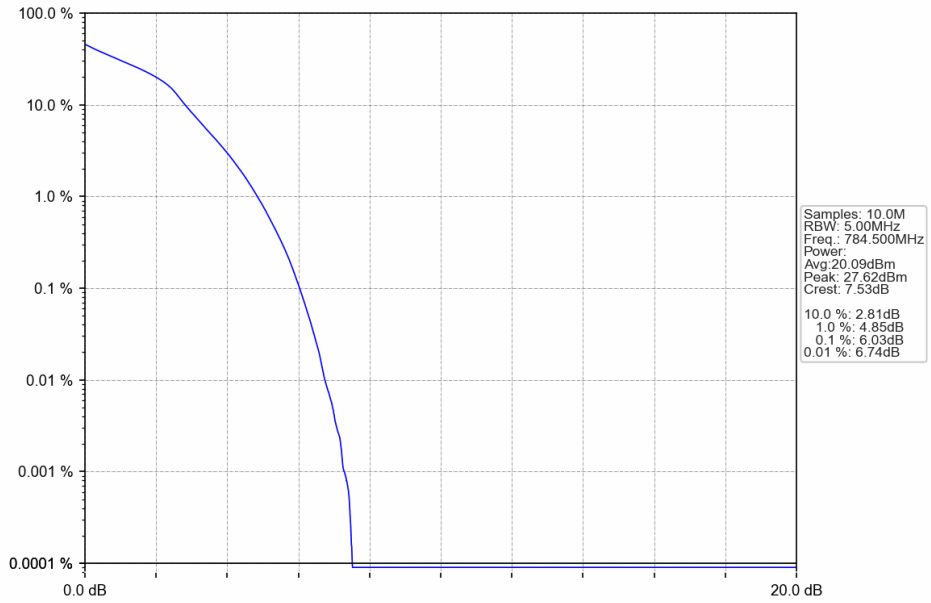

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4.2 B13_10MHz

4.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.35	<=13	Pass
16QAM	782	50	0	6.04	<=13	Pass

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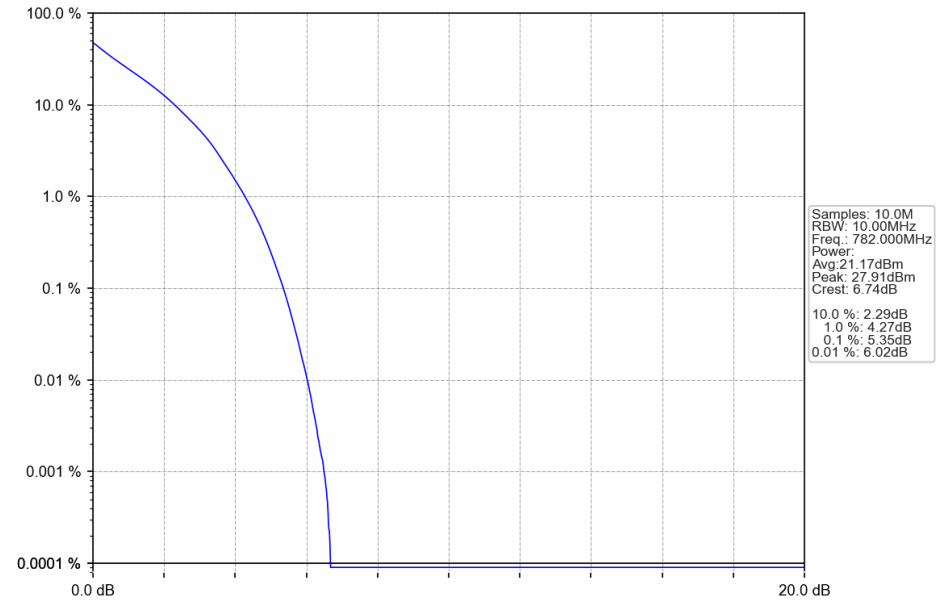
4.2.2 Test Graph

Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

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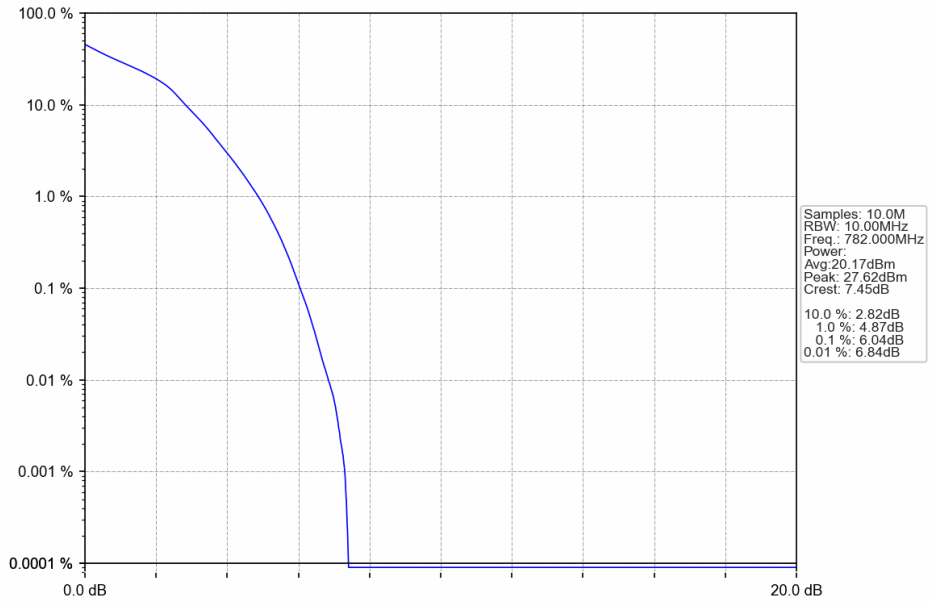

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5. Spurious Emission & Band Edges

5.1 B13_5MHz

5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

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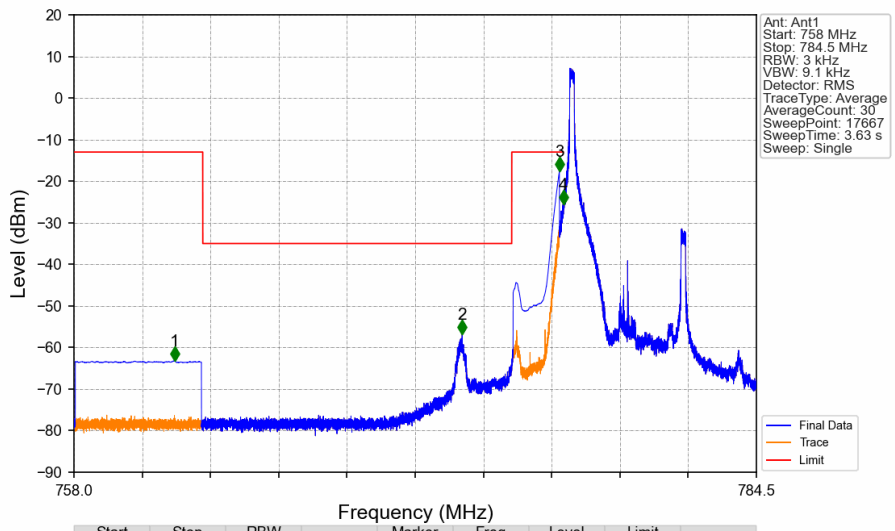
5.1.2 Test Graph

Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.900	-63.18	-13	Pass
763	775	0.00625	/	2	773.074	-56.81	-35	Pass
775	776.9	0.1	CHP	3	776.850	-17.64	-13	Pass
776.9	777	0.03	/	4	777.000	-25.53	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

Band13_5MHz_QPSK_LCH_779.5MHz_RB_1_0_NTNV

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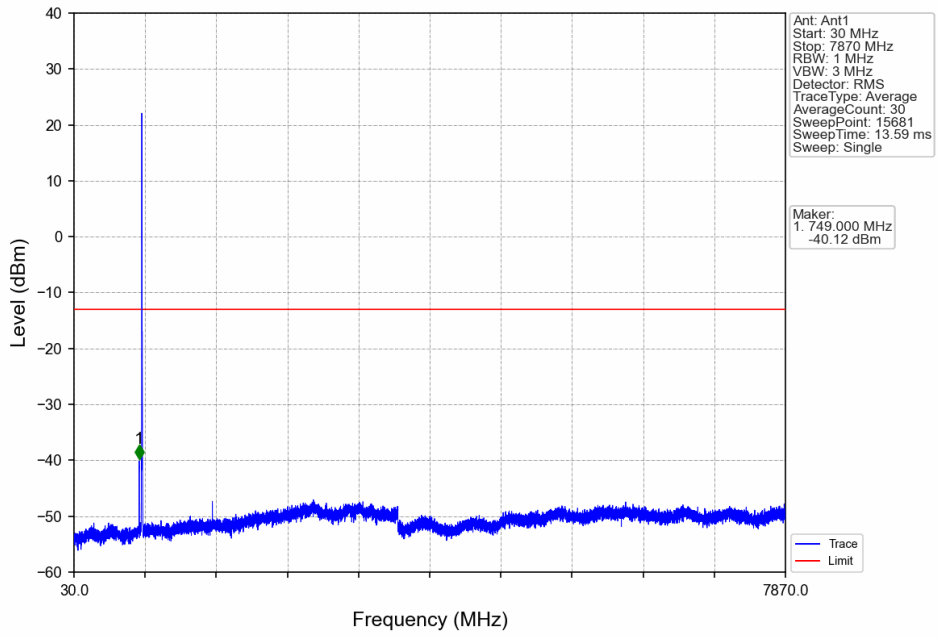

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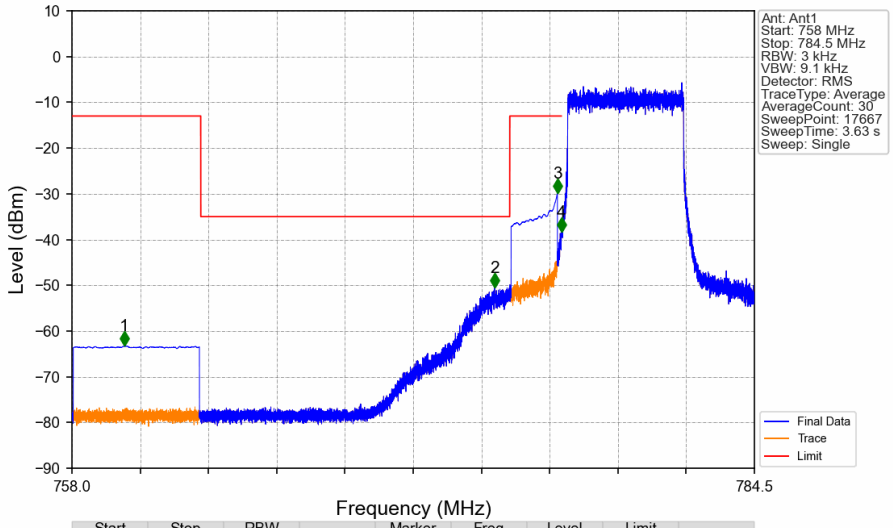
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.025	-63.27	-13	Pass
763	775	0.00625	/	2	774.409	-50.54	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.81	-13	Pass
776.9	777	0.03	/	4	777.000	-38.29	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

Band13_5MHz_QPSK_MCH_782MHz_RB_1_0_NTNV

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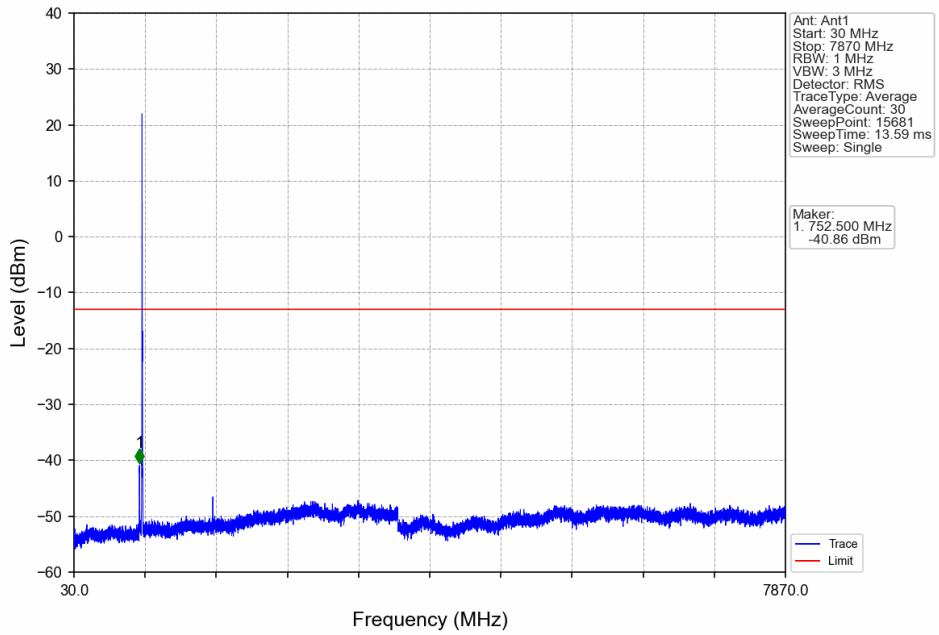

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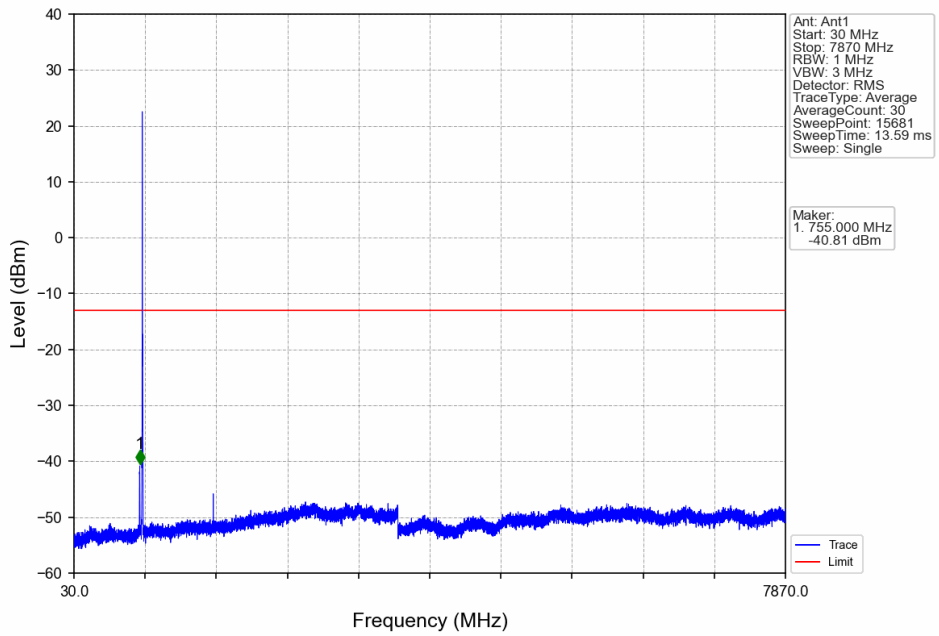
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV

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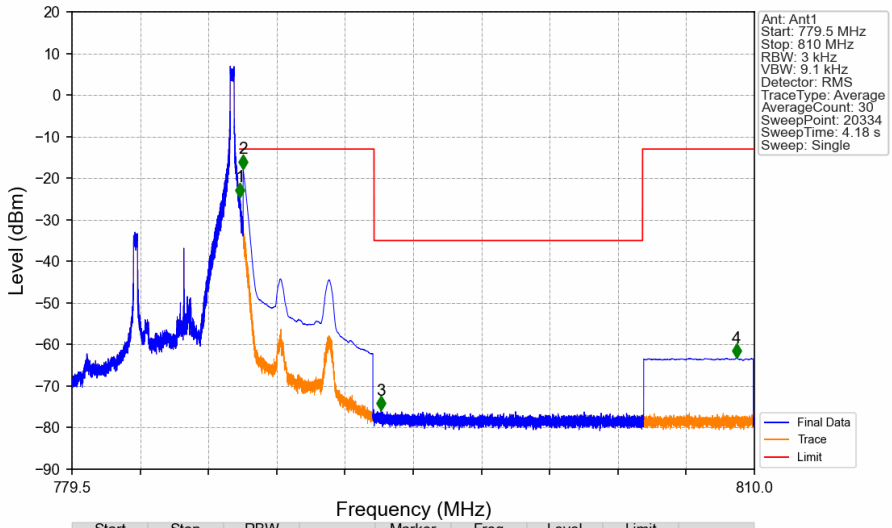

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.009	-24.52	-13	Pass
787.1	793	0.1	CHP	2	787.150	-17.76	-13	Pass
793	805	0.00625	/	3	793.315	-75.79	-35	Pass
805	810	0.1	CHP	4	809.196	-63.27	-13	Pass

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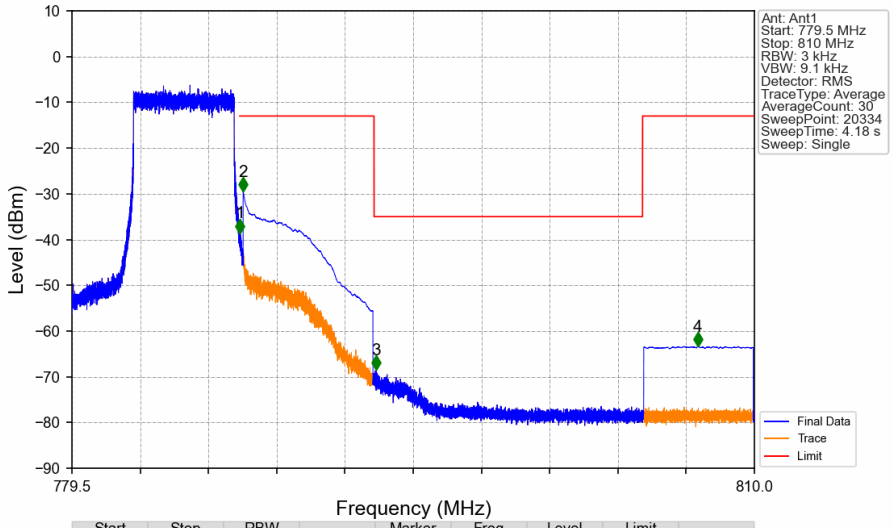
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.011	-38.60	-13	Pass
787.1	793	0.1	CHP	2	787.150	-29.47	-13	Pass
793	805	0.00625	/	3	793.102	-68.45	-35	Pass
805	810	0.1	CHP	4	807.477	-63.37	-13	Pass

Band13_5MHz_16QAM_LCH_779.5MHz_RB_1_0_NTNV

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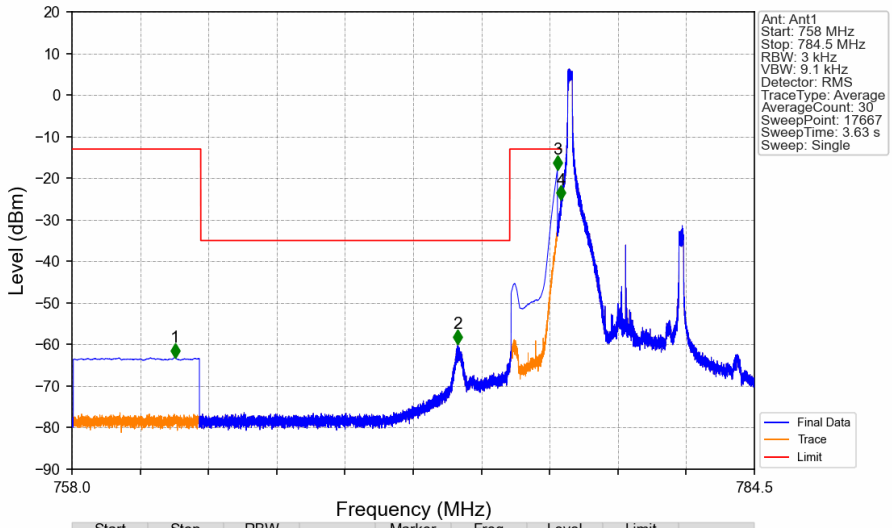

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.010	-63.16	-13	Pass
763	775	0.00625	/	2	772.983	-59.85	-35	Pass
775	776.9	0.1	CHP	3	776.850	-17.96	-13	Pass
776.9	777	0.03	/	4	776.988	-25.27	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

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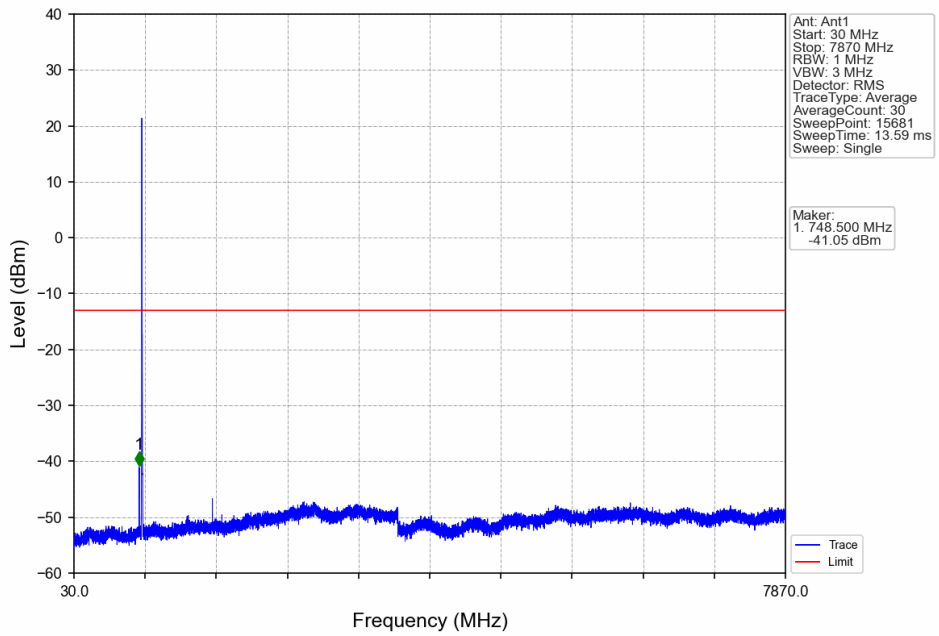

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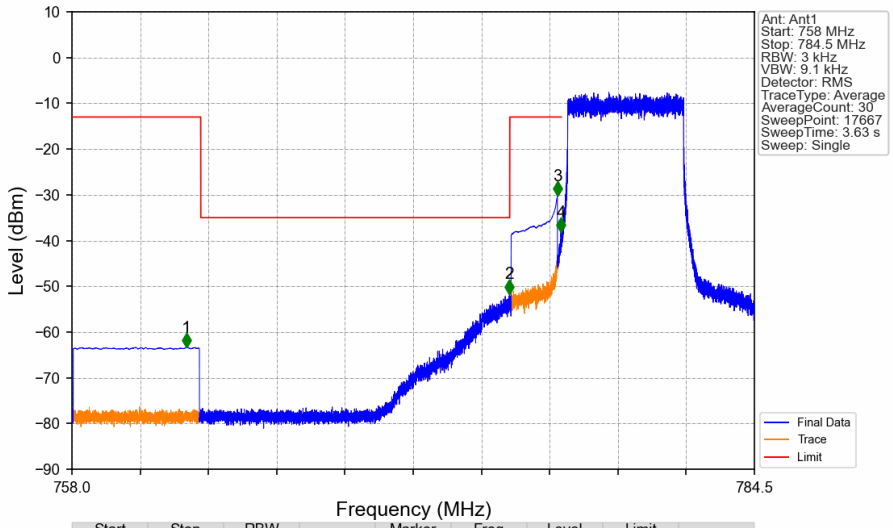

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763	775	0.00625	/	2	774.991	-51.66	-35	Pass
775	776.9	0.1	CHP	3	776.850	-30.24	-13	Pass
776.9	777	0.03	/	4	776.986	-38.23	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

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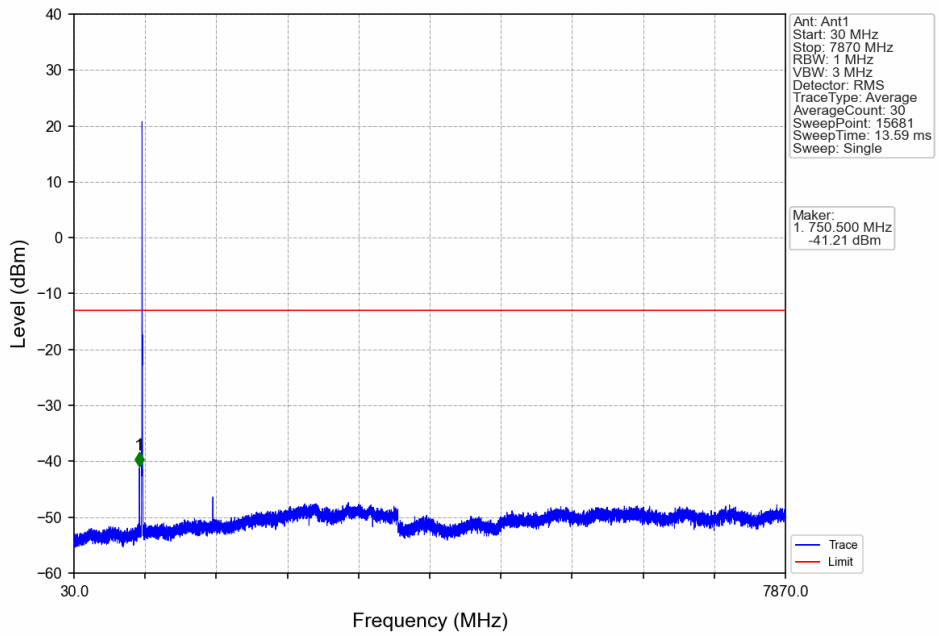

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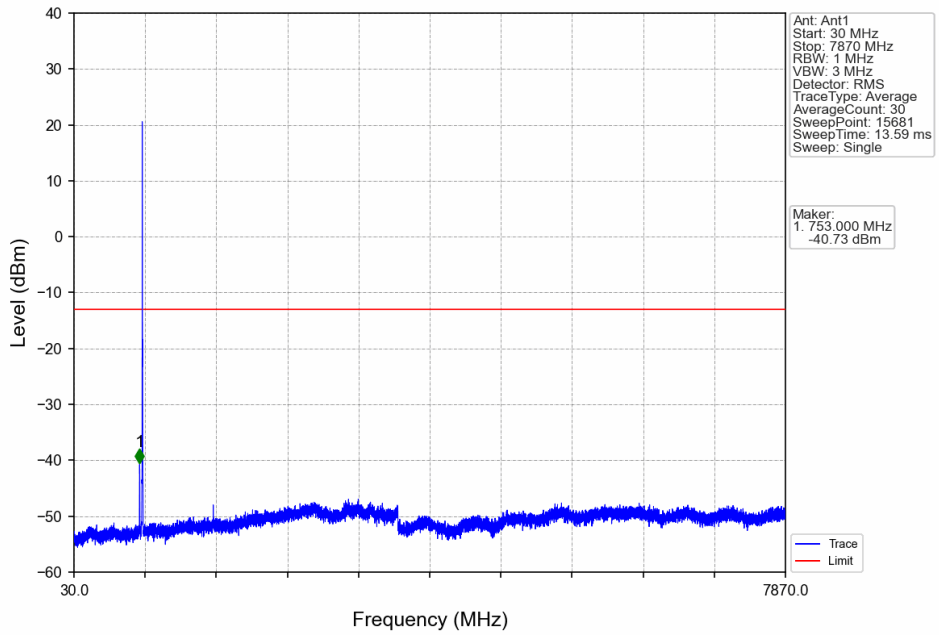

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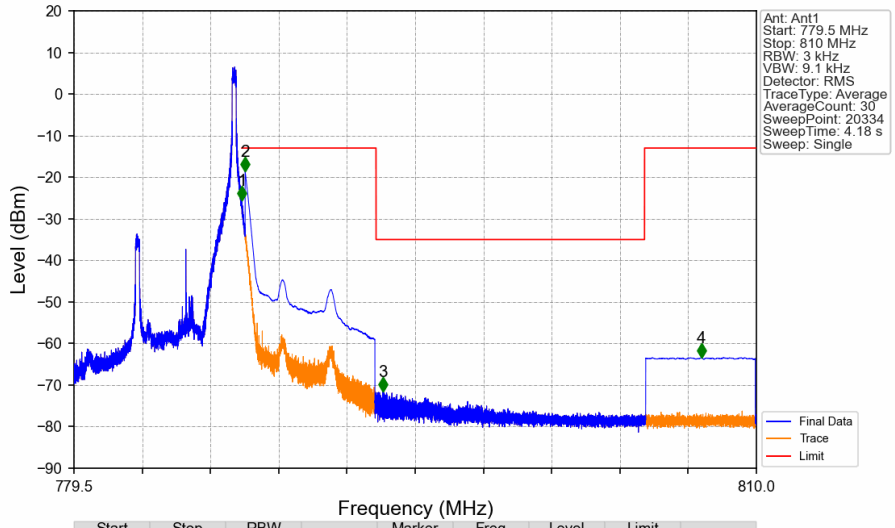
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.002	-25.53	-13	Pass
787.1	793	0.1	CHP	2	787.150	-18.56	-13	Pass
793	805	0.00625	/	3	793.299	-71.55	-35	Pass
805	810	0.1	CHP	4	807.540	-63.38	-13	Pass

Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

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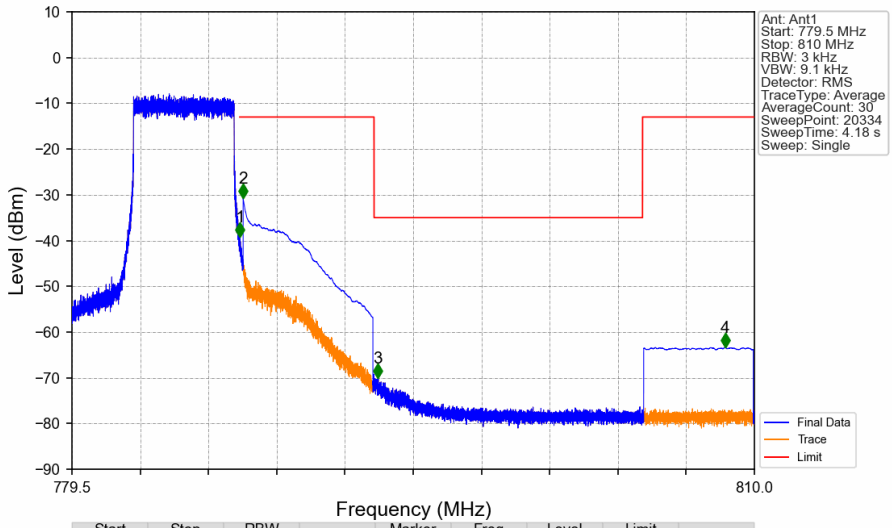

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.011	-39.28	-13	Pass
787.1	793	0.1	CHP	2	787.150	-30.81	-13	Pass
793	805	0.00625	/	3	793.177	-70.13	-35	Pass
805	810	0.1	CHP	4	808.689	-63.36	-13	Pass

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5.2 B13_10MHz

5.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

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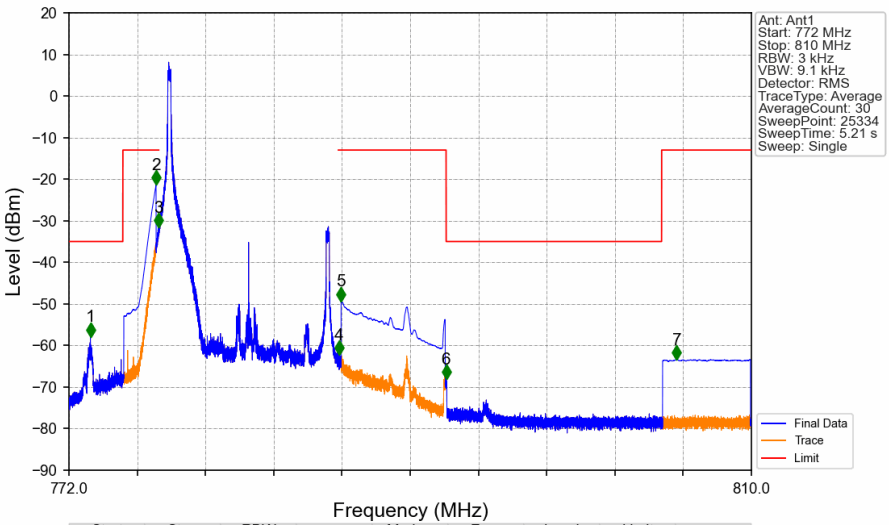
5.2.2 Test Graph

Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.191	-57.91	-35	Pass
775	776.9	0.1	CHP	2	776.850	-21.34	-13	Pass
776.9	777	0.03	/	3	776.974	-31.58	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.048	-62.33	-13	Pass
787.1	793	0.1	CHP	5	787.152	-49.36	-13	Pass
793	805	0.00625	/	6	793.000	-68.03	-35	Pass
805	810	0.1	CHP	7	805.842	-63.37	-13	Pass

Band13_10MHz_QPSK_MCH_782MHz_RB_1_0_NTNV

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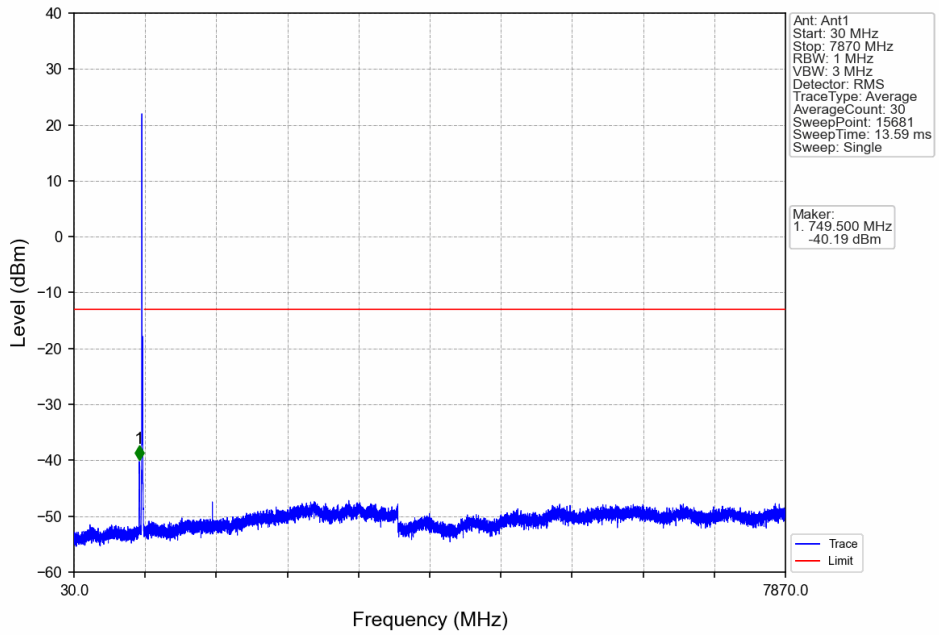

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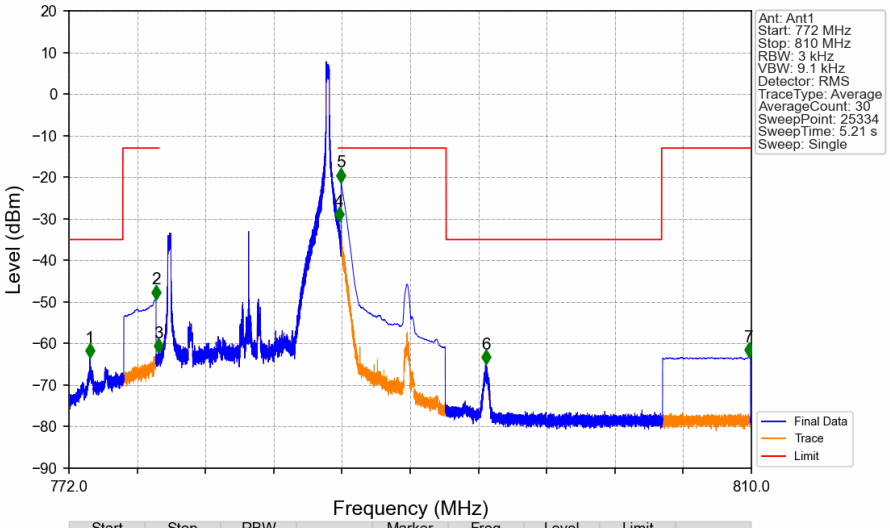
Band13_10MHz_QPSK_MCH_782MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.166	-63.42	-35	Pass
775	776.9	0.1	CHP	2	776.847	-49.38	-13	Pass
776.9	777	0.03	/	3	776.968	-62.31	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.027	-30.58	-13	Pass
787.1	793	0.1	CHP	5	787.150	-21.24	-13	Pass
793	805	0.00625	/	6	795.237	-64.96	-35	Pass
805	810	0.1	CHP	7	809.850	-63.30	-13	Pass

Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV

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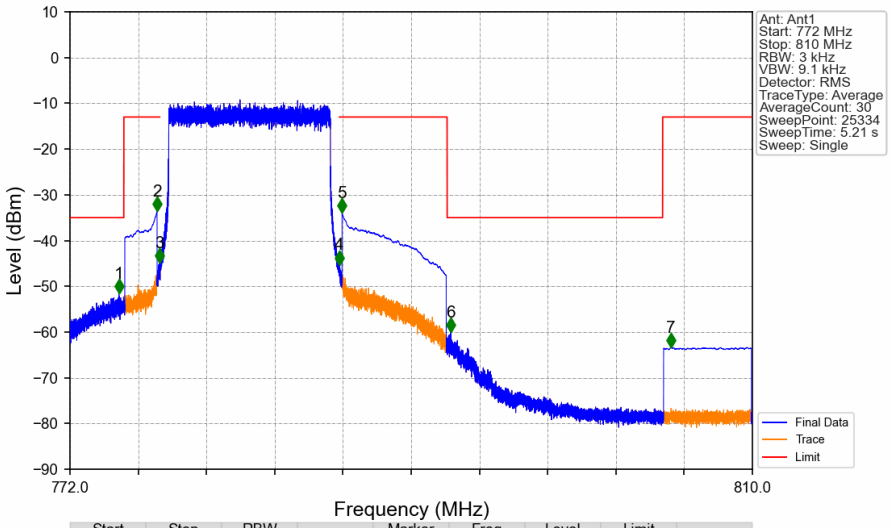

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.721	-51.49	-35	Pass
775	776.9	0.1	CHP	2	776.850	-33.60	-13	Pass
776.9	777	0.03	/	3	776.998	-44.89	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.002	-45.30	-13	Pass
787.1	793	0.1	CHP	5	787.150	-33.93	-13	Pass
793	805	0.00625	/	6	793.198	-60.01	-35	Pass
805	810	0.1	CHP	7	805.444	-63.37	-13	Pass

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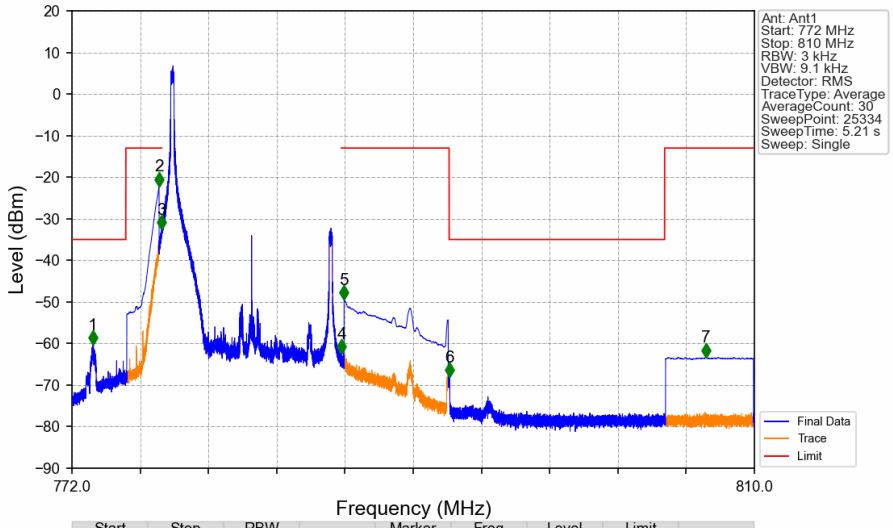

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.166	-60.33	-35	Pass
775	776.9	0.1	CHP	2	776.850	-22.20	-13	Pass
776.9	777	0.03	/	3	777.000	-32.63	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.020	-62.40	-13	Pass
787.1	793	0.1	CHP	5	787.150	-49.53	-13	Pass
793	805	0.00625	/	6	793.020	-68.05	-35	Pass
805	810	0.1	CHP	7	807.286	-63.34	-13	Pass

Band13_10MHz_16QAM_MCH_782MHz_RB_1_0_NTNV

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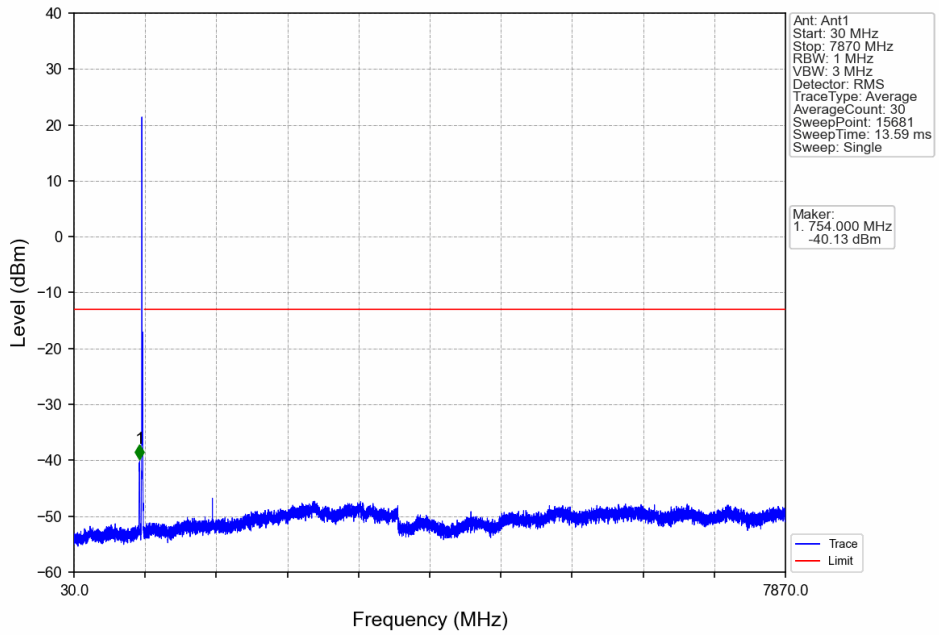

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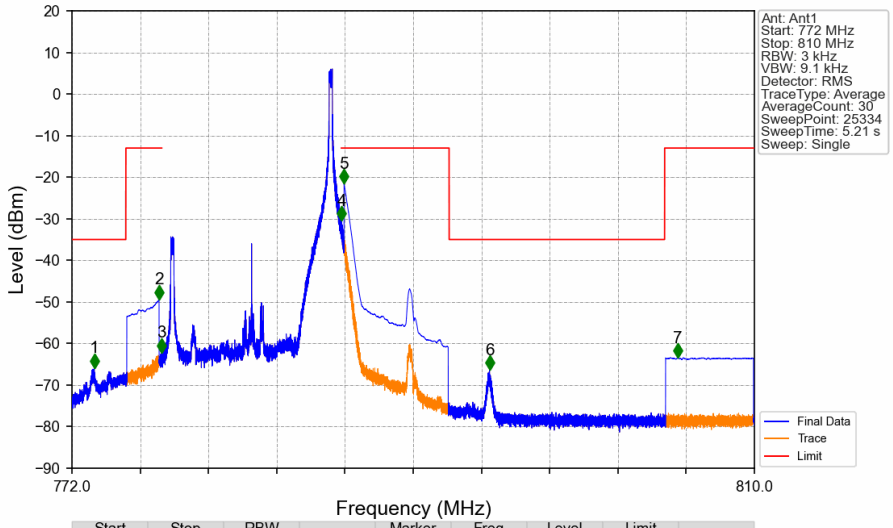
Band13_10MHz_16QAM_MCH_782MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.239	-65.85	-35	Pass
775	776.9	0.1	CHP	2	776.841	-49.38	-13	Pass
776.9	777	0.03	/	3	776.998	-62.18	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.015	-30.39	-13	Pass
787.1	793	0.1	CHP	5	787.150	-21.57	-13	Pass
793	805	0.00625	/	6	795.249	-66.35	-35	Pass
805	810	0.1	CHP	7	805.731	-63.41	-13	Pass

Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

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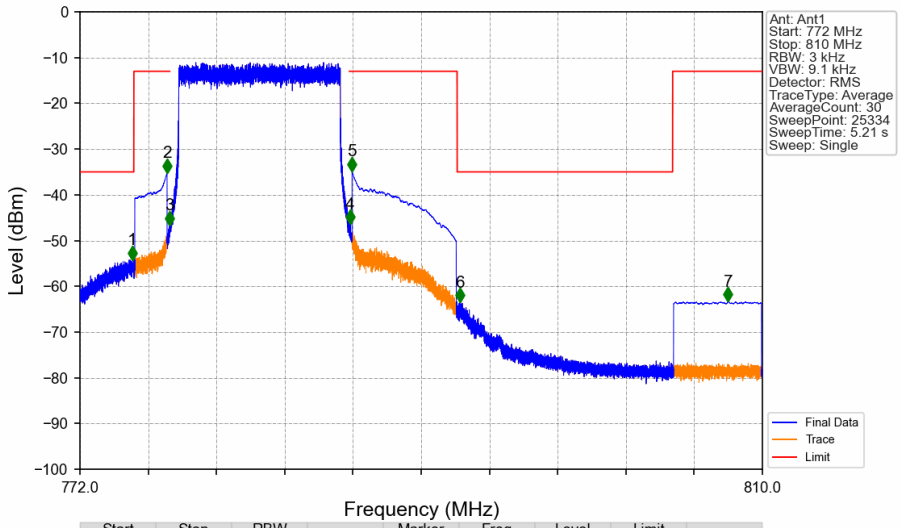

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.903	-54.25	-35	Pass
775	776.9	0.1	CHP	2	776.850	-35.19	-13	Pass
776.9	777	0.03	/	3	776.983	-46.68	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.030	-46.38	-13	Pass
787.1	793	0.1	CHP	5	787.150	-34.86	-13	Pass
793	805	0.00625	/	6	793.152	-63.53	-35	Pass
805	810	0.1	CHP	7	808.087	-63.38	-13	Pass

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6. Field Strength of Spurious Radiation

Test Band = LTE_13_10MHz _TM1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555	64.53	-47.61	24.29	-54.05	-13.00	41.05	Horizontal
2	1599	47.33	-47.61	25.08	-70.46	-40.00	30.46	Horizontal
3	2333	84.91	-46.63	27.43	-29.55	-13.00	16.55	Horizontal
4	3888	54.76	-44.50	29.70	-55.30	-13.00	42.30	Horizontal
5	5524.5	49.49	-41.87	32.30	-55.34	-13.00	42.34	Horizontal
6	8367	41.11	-37.05	36.37	-54.83	-13.00	41.83	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555	62.67	-47.61	24.29	-55.91	-13.00	42.91	Vertical
2	1592	47.76	-47.61	24.96	-70.15	-40.00	30.15	Vertical
3	2333	85.21	-46.63	27.43	-29.25	-13.00	16.25	Vertical
4	3888	48.23	-44.50	29.70	-61.83	-13.00	48.83	Vertical
5	5524.5	49.45	-41.87	32.30	-55.38	-13.00	42.38	Vertical
6	8481.5	40.80	-36.44	36.46	-54.44	-13.00	41.44	Vertical

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Test Band = LTE_13_5MHz _TM1
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.5	63.96	-47.61	24.28	-54.63	-13.00	41.63	Horizontal
2	1599.5	47.30	-47.61	25.09	-70.48	-40.00	30.48	Horizontal
3	2332	82.38	-46.63	27.42	-32.09	-13.00	19.09	Horizontal
4	3886.5	55.05	-44.51	29.70	-55.02	-13.00	42.02	Horizontal
5	5524.5	49.88	-41.87	32.30	-54.95	-13.00	41.95	Horizontal
6	7461.5	41.68	-38.37	36.82	-55.13	-13.00	42.13	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.5	61.84	-47.61	24.28	-56.75	-13.00	43.75	Vertical
2	1598	47.51	-47.61	25.06	-70.30	-40.00	30.30	Vertical
3	2332	84.01	-46.63	27.42	-30.46	-13.00	17.46	Vertical
4	3109.5	48.97	-45.84	28.86	-63.27	-13.00	50.27	Vertical
5	3886.5	48.57	-44.51	29.70	-61.50	-13.00	48.50	Vertical
6	5524.5	49.25	-41.87	32.30	-55.58	-13.00	42.58	Vertical

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Test Band = LTE_13_5MHz _TM1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1559.5	64.85	-47.61	24.37	-53.65	-40.00	13.65	Horizontal
2	2339.5	81.84	-46.63	27.50	-32.55	-13.00	19.55	Horizontal
3	2605	48.50	-46.17	27.90	-65.03	-13.00	52.03	Horizontal
4	3899	55.58	-44.42	29.70	-54.40	-13.00	41.40	Horizontal
5	5524.5	49.81	-41.87	32.30	-55.02	-13.00	42.02	Horizontal
6	7892.5	41.51	-37.50	36.55	-54.70	-13.00	41.70	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1559.5	62.09	-47.61	24.37	-56.41	-40.00	16.41	Vertical
2	2339.5	84.44	-46.63	27.50	-29.95	-13.00	16.95	Vertical
3	3899	49.56	-44.42	29.70	-60.42	-13.00	47.42	Vertical
4	5524.5	49.04	-41.87	32.30	-55.79	-13.00	42.79	Vertical
5	7407.5	41.96	-38.35	36.72	-54.93	-13.00	41.93	Vertical
6	9542.5	40.20	-35.82	37.80	-53.08	-13.00	40.08	Vertical

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Test Band = LTE_13_5MHz _TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5	62.56	-47.61	24.46	-55.85	-40.00	15.85	Horizontal
2	2347	82.36	-46.63	27.57	-31.96	-13.00	18.96	Horizontal
3	2523	52.68	-46.57	27.80	-61.35	-13.00	48.35	Horizontal
4	2613.5	53.49	-46.17	27.90	-60.04	-13.00	47.04	Horizontal
5	3911.5	52.93	-44.36	29.75	-56.94	-13.00	43.94	Horizontal
6	5524.5	49.78	-41.87	32.30	-55.05	-13.00	42.05	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5	58.57	-47.61	24.46	-59.84	-40.00	19.84	Vertical
2	2347	83.52	-46.63	27.57	-30.80	-13.00	17.80	Vertical
3	3912	49.75	-44.35	29.75	-60.11	-13.00	47.11	Vertical
4	5524.5	50.06	-41.87	32.30	-54.77	-13.00	41.77	Vertical
5	7353.5	41.58	-38.55	36.51	-55.72	-13.00	42.72	Vertical
6	9011.5	41.17	-36.06	36.65	-53.50	-13.00	40.50	Vertical

Remark:
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier (dB)
Level = Reading Level + AF + Factor -95.26
Margin = Limit – Level

---End of Attachment---

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