1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B40a_5MHz_EIRP

Band: 40a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	20.25	1.75	22.00	<=23.98	Pass
			13	20.45	1.75	22.20	<=23.98	Pass
			24	20.40	1.75	22.15	<=23.98	Pass
		12	0	19.06	1.75	20.81	<=23.98	Pass
			6	18.88	1.75	20.63	<=23.98	Pass
			13	18.80	1.75	20.55	<=23.98	Pass
		25	0	18.79	1.75	20.54	<=23.98	Pass
	2310	1	0	20.47	1.75	22.22	<=23.98	Pass
			13	20.25	1.75	22.00	<=23.98	Pass
			24	20.43	1.75	22.18	<=23.98	Pass
		12	0	19.12	1.75	20.87	<=23.98	Pass
			6	19.08	1.75	20.83	<=23.98	Pass
			13	19.12	1.75	20.87	<=23.98	Pass
		25	0	18.81	1.75	20.56	<=23.98	Pass
	2312.5	1	0	19.94	1.75	21.69	<=23.98	Pass
			13	20.20	1.75	21.95	<=23.98	Pass
			24	20.26	1.75	22.01	<=23.98	Pass
		12	0	18.86	1.75	20.61	<=23.98	Pass
			6	18.83	1.75	20.58	<=23.98	Pass
			13	19.08	1.75	20.83	<=23.98	Pass
		25	0	19.07	1.75	20.82	<=23.98	Pass
16QAM	2307.5	1	0	18.77	1.75	20.52	<=23.98	Pass
			13	19.00	1.75	20.75	<=23.98	Pass
			24	18.99	1.75	20.74	<=23.98	Pass
		12	0	18.54	1.75	20.29	<=23.98	Pass
			6	18.26	1.75	20.01	<=23.98	Pass
			13	18.21	1.75	19.96	<=23.98	Pass
		25	0	18.13	1.75	19.88	<=23.98	Pass
	2310	1	0	19.56	1.75	21.31	<=23.98	Pass
			13	19.09	1.75	20.84	<=23.98	Pass
			24	18.76	1.75	20.51	<=23.98	Pass
		12	0	18.48	1.75	20.23	<=23.98	Pass
			6	18.61	1.75	20.36	<=23.98	Pass
			13	18.19	1.75	19.94	<=23.98	Pass
		25	0	18.31	1.75	20.06	<=23.98	Pass
	2312.5	1	0	19.03	1.75	20.78	<=23.98	Pass
			13	19.29	1.75	21.04	<=23.98	Pass
			24	19.20	1.75	20.95	<=23.98	Pass
		12	0	18.42	1.75	20.17	<=23.98	Pass
			6	18.26	1.75	20.01	<=23.98	Pass
			13	18.64	1.75	20.39	<=23.98	Pass
		25	0	18.12	1.75	19.87	<=23.98	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B40a_10MHz_EIRP

Band: 40a / Bandwidth: 10MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	21.35	1.75	23.10	<=23.98	Pass
			25	21.62	1.75	23.37	<=23.98	Pass
			49	21.41	1.75	23.16	<=23.98	Pass
		25	0	20.00	1.75	21.75	<=23.98	Pass
			13	19.73	1.75	21.48	<=23.98	Pass
			25	19.43	1.75	21.18	<=23.98	Pass
		50	0	19.17	1.75	20.92	<=23.98	Pass
16QAM	2310	1	0	19.89	1.75	21.64	<=23.98	Pass
			25	19.97	1.75	21.72	<=23.98	Pass
			49	18.69	1.75	20.44	<=23.98	Pass
		25	0	18.30	1.75	20.05	<=23.98	Pass
			13	18.35	1.75	20.10	<=23.98	Pass
			25	18.24	1.75	19.99	<=23.98	Pass
		50	0	19.13	1.75	20.88	<=23.98	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B40a_5MHz

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.27	2.146	0.0009	-2.5 to 2.5	Pass
					3.85	2.818	0.0012	-2.5 to 2.5	Pass
					4.43	3.390	0.0015	-2.5 to 2.5	Pass
				-30	3.85	3.748	0.0016	-2.5 to 2.5	Pass
				-20	3.85	4.020	0.0017	-2.5 to 2.5	Pass
				-10	3.85	5.093	0.0022	-2.5 to 2.5	Pass
				0	3.85	4.005	0.0017	-2.5 to 2.5	Pass
				10	3.85	2.375	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.275	0.0010	-2.5 to 2.5	Pass
				40	3.85	5.236	0.0023	-2.5 to 2.5	Pass
				50	3.85	4.520	0.0020	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	1.802	0.0008	-2.5 to 2.5	Pass
					3.85	3.662	0.0016	-2.5 to 2.5	Pass
					4.43	6.137	0.0027	-2.5 to 2.5	Pass
				-30	3.85	4.134	0.0018	-2.5 to 2.5	Pass
				-20	3.85	2.646	0.0011	-2.5 to 2.5	Pass
				-10	3.85	3.161	0.0014	-2.5 to 2.5	Pass
				0	3.85	6.065	0.0026	-2.5 to 2.5	Pass
				10	3.85	2.275	0.0010	-2.5 to 2.5	Pass
				30	3.85	3.548	0.0015	-2.5 to 2.5	Pass
				40	3.85	2.174	0.0009	-2.5 to 2.5	Pass
				50	3.85	3.633	0.0016	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	1.702	0.0007	-2.5 to 2.5	Pass
					3.85	2.260	0.0010	-2.5 to 2.5	Pass
					4.43	5.221	0.0023	-2.5 to 2.5	Pass
				-30	3.85	1.674	0.0007	-2.5 to 2.5	Pass
				-20	3.85	4.377	0.0019	-2.5 to 2.5	Pass
				-10	3.85	2.475	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.961	0.0013	-2.5 to 2.5	Pass

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				10	3.85	2.489	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.988	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.173	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.933	0.0013	-2.5 to 2.5	Pass
16QAM	2307.5	25	0	20	3.27	1.073	0.0005	-2.5 to 2.5	Pass
					3.85	3.276	0.0014	-2.5 to 2.5	Pass
					4.43	2.246	0.0010	-2.5 to 2.5	Pass
				-30	3.85	4.005	0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.362	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.616	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0002	-2.5 to 2.5	Pass
				10	3.85	3.490	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.960	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.775	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.418	0.0010	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	1.345	0.0006	-2.5 to 2.5	Pass
					3.85	3.505	0.0015	-2.5 to 2.5	Pass
					4.43	3.605	0.0016	-2.5 to 2.5	Pass
				-30	3.85	5.550	0.0024	-2.5 to 2.5	Pass
				-20	3.85	3.047	0.0013	-2.5 to 2.5	Pass
				-10	3.85	3.176	0.0014	-2.5 to 2.5	Pass
				0	3.85	3.505	0.0015	-2.5 to 2.5	Pass
				10	3.85	3.977	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0011	-2.5 to 2.5	Pass
				40	3.85	3.247	0.0014	-2.5 to 2.5	Pass
				50	3.85	3.977	0.0017	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	2.031	0.0009	-2.5 to 2.5	Pass
					3.85	3.591	0.0016	-2.5 to 2.5	Pass
					4.43	2.875	0.0012	-2.5 to 2.5	Pass
				-30	3.85	3.276	0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.715	0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.046	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.875	0.0012	-2.5 to 2.5	Pass
				10	3.85	3.190	0.0014	-2.5 to 2.5	Pass
				30	3.85	3.333	0.0014	-2.5 to 2.5	Pass
				40	3.85	2.632	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.203	0.0010	-2.5 to 2.5	Pass

2.1.2 B40a_10MHz

Band: 40a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20	3.27	0.443	0.0002	-2.5 to 2.5	Pass
					3.85	8.397	0.0036	-2.5 to 2.5	Pass
					4.43	5.393	0.0023	-2.5 to 2.5	Pass
				-30	3.85	5.264	0.0023	-2.5 to 2.5	Pass
				-20	3.85	5.722	0.0025	-2.5 to 2.5	Pass
				-10	3.85	0.658	0.0003	-2.5 to 2.5	Pass
				0	3.85	3.147	0.0014	-2.5 to 2.5	Pass
				10	3.85	4.206	0.0018	-2.5 to 2.5	Pass
				30	3.85	3.819	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.947	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.887	0.0004	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	3.27	3.462	0.0015	-2.5 to 2.5	Pass
					3.85	3.319	0.0014	-2.5 to 2.5	Pass
					4.43	3.276	0.0014	-2.5 to 2.5	Pass

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				-30	3.85	2.332	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.834	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.033	0.0013	-2.5 to 2.5	Pass
				0	3.85	4.063	0.0018	-2.5 to 2.5	Pass
				10	3.85	4.120	0.0018	-2.5 to 2.5	Pass
				30	3.85	4.792	0.0021	-2.5 to 2.5	Pass
				40	3.85	4.635	0.0020	-2.5 to 2.5	Pass
				50	3.85	3.905	0.0017	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B40a_5MHz

Band: 40a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	25	0	Refer To Test Graph		Pass
16QAM	2310	25	0	Refer To Test Graph		Pass

3.1.2 B40a_10MHz

Band: 40a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	50	0	Refer To Test Graph		Pass
16QAM	2310	50	0	Refer To Test Graph		Pass

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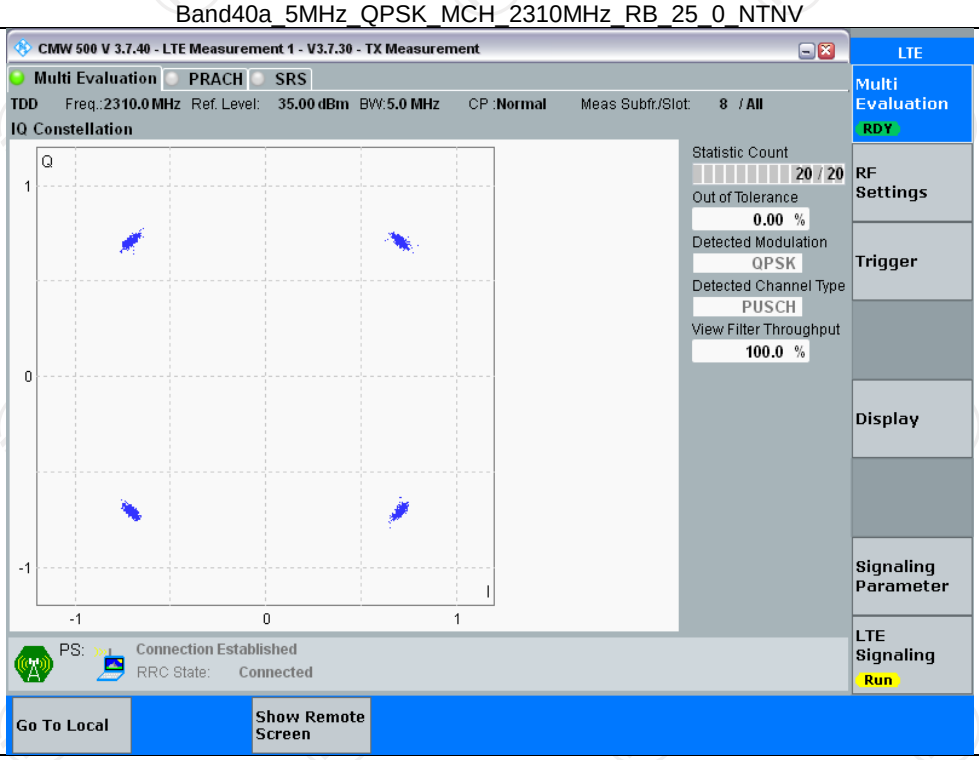
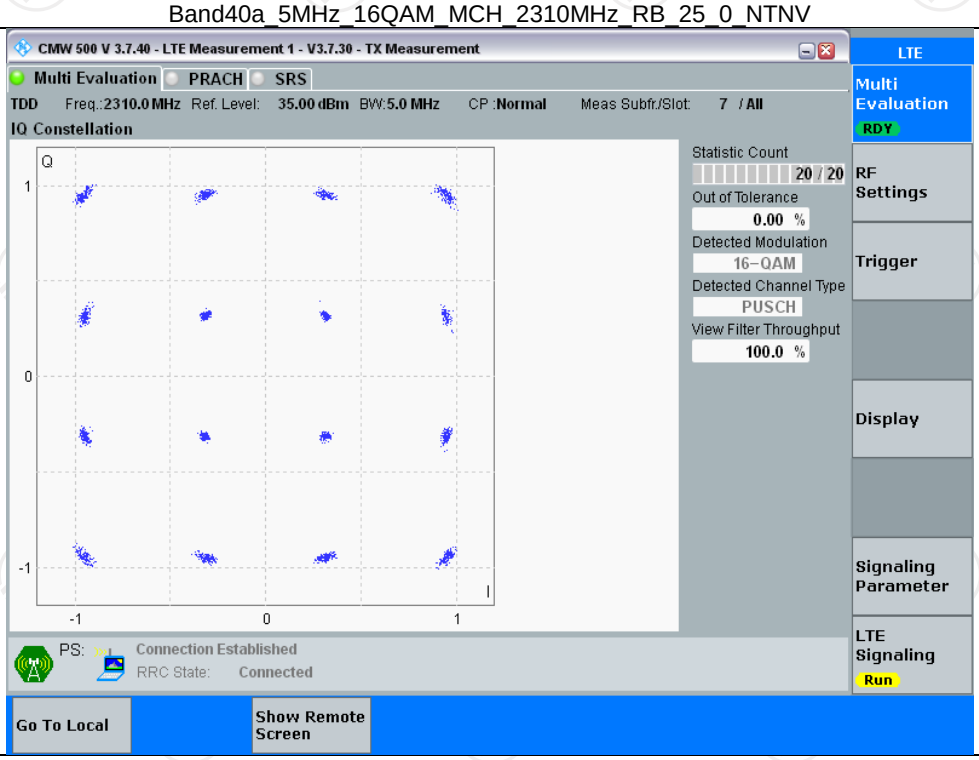
3.2 Test Graph

3.2.1 B40a_5MHz

Band40a_5MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV

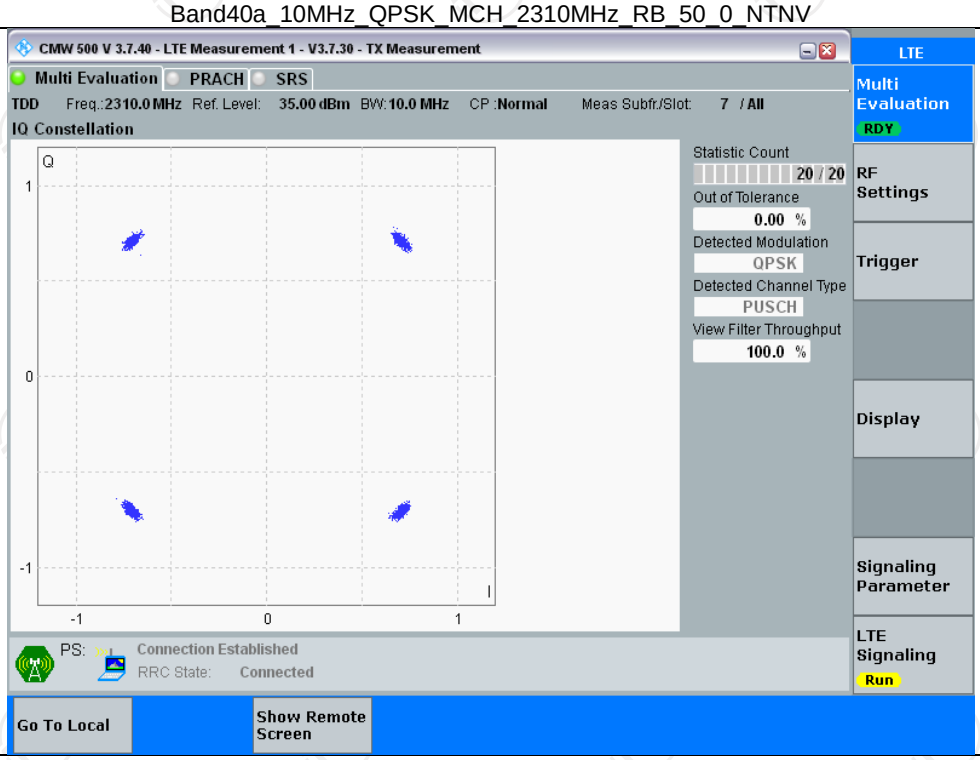


Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV

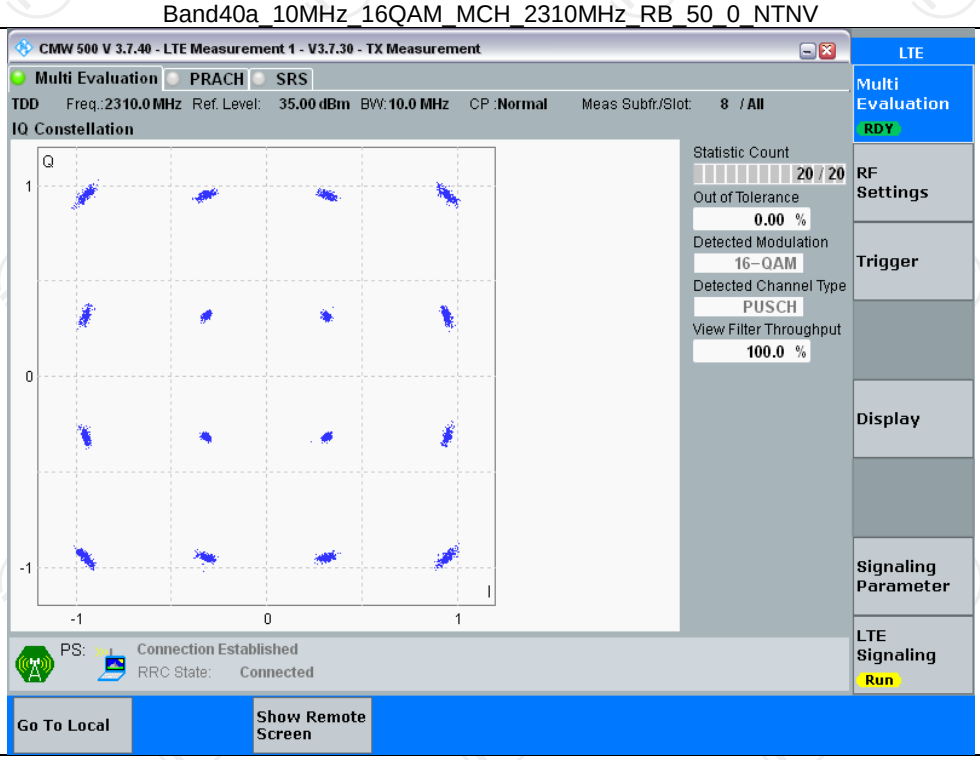


3.2.2 B40a_10MHz

Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band40a_OBW

Band: 40a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	4.541	/	Pass
		2310	25	0	4.539	/	Pass
		2312.5	25	0	4.544	/	Pass
	16QAM	2307.5	25	0	4.547	/	Pass
		2310	25	0	4.594	/	Pass
		2312.5	25	0	4.547	/	Pass
10	QPSK	2310	50	0	9.092	/	Pass
	16QAM	2310	50	0	9.059	/	Pass

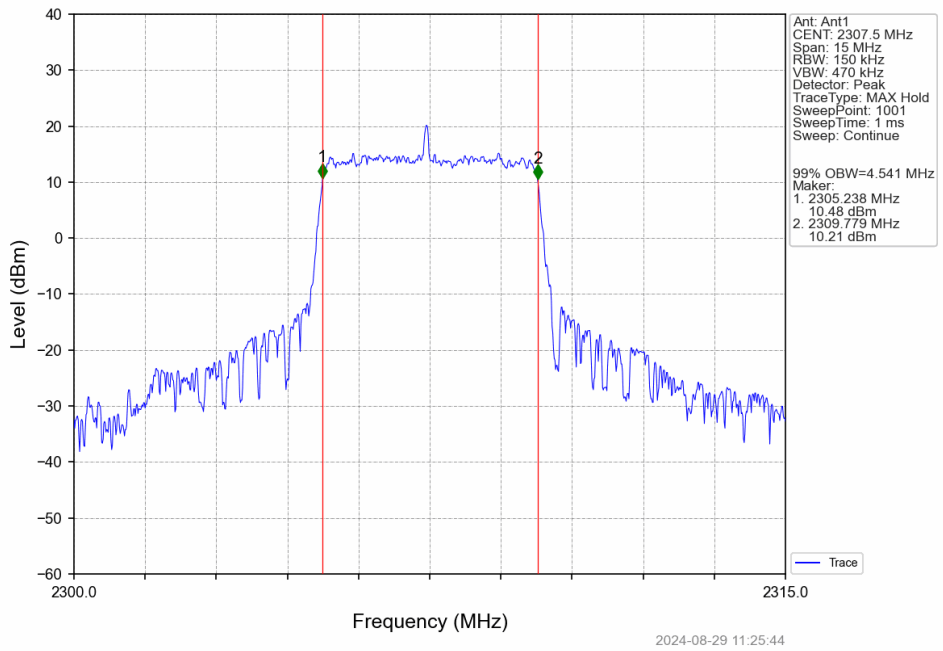
4.1.2 Band40a_XDB

Band: 40a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	4.928	/	Pass
		2310	25	0	4.959	/	Pass
		2312.5	25	0	5.102	/	Pass
	16QAM	2307.5	25	0	5.052	/	Pass
		2310	25	0	5.026	/	Pass
		2312.5	25	0	4.984	/	Pass
10	QPSK	2310	50	0	10.141	/	Pass
	16QAM	2310	50	0	9.865	/	Pass

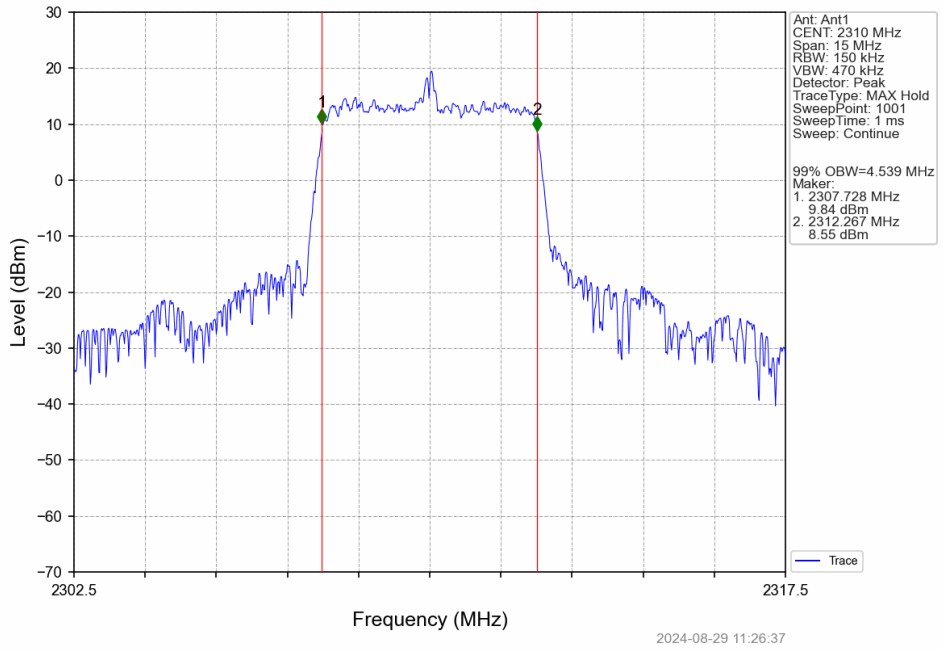
4.2 Test Graph

4.2.1 Band40a_OBW

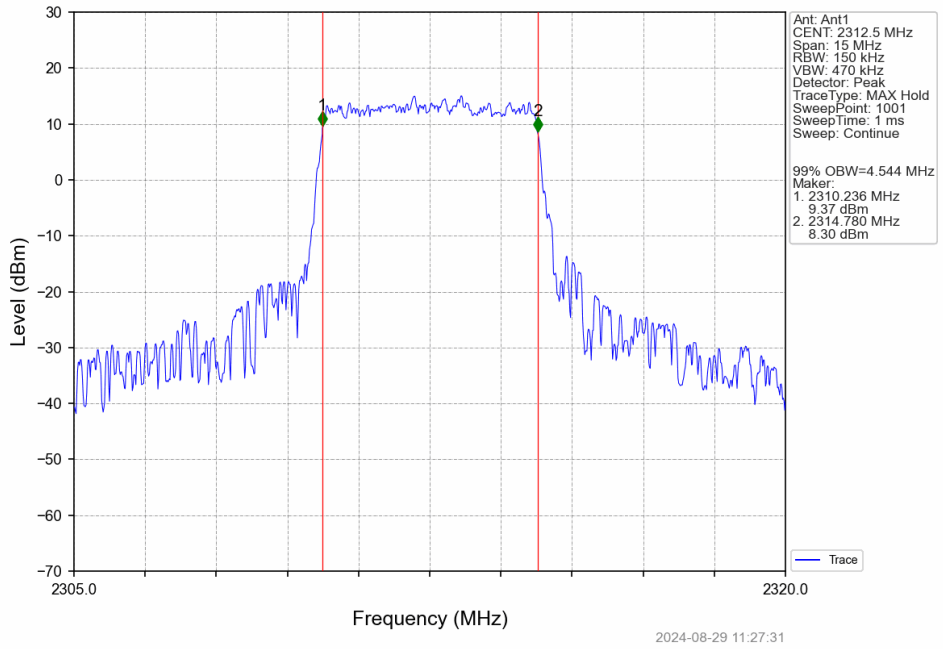
Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTNV



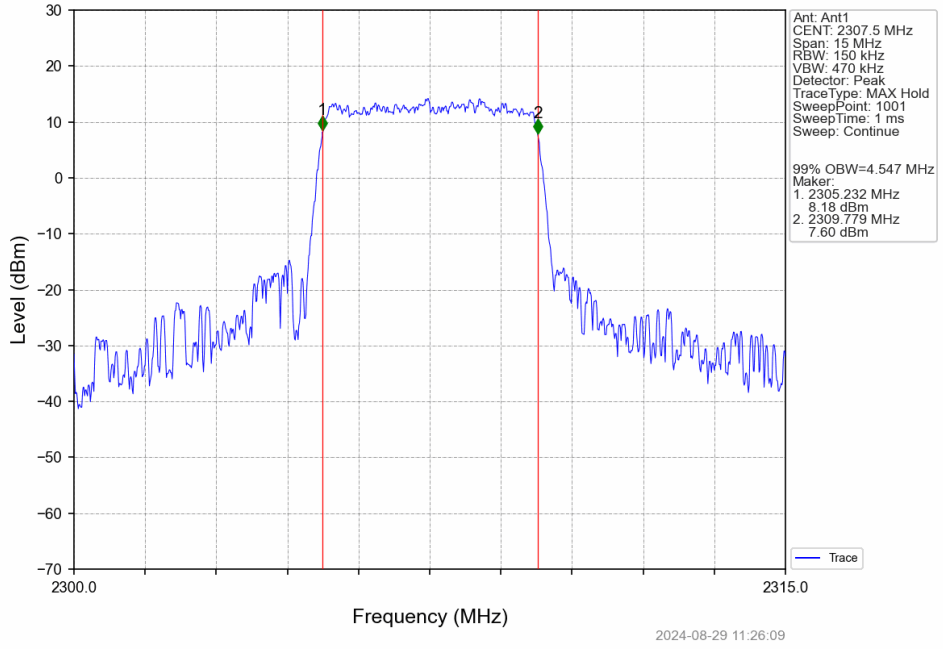
Band40a_5MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV



Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



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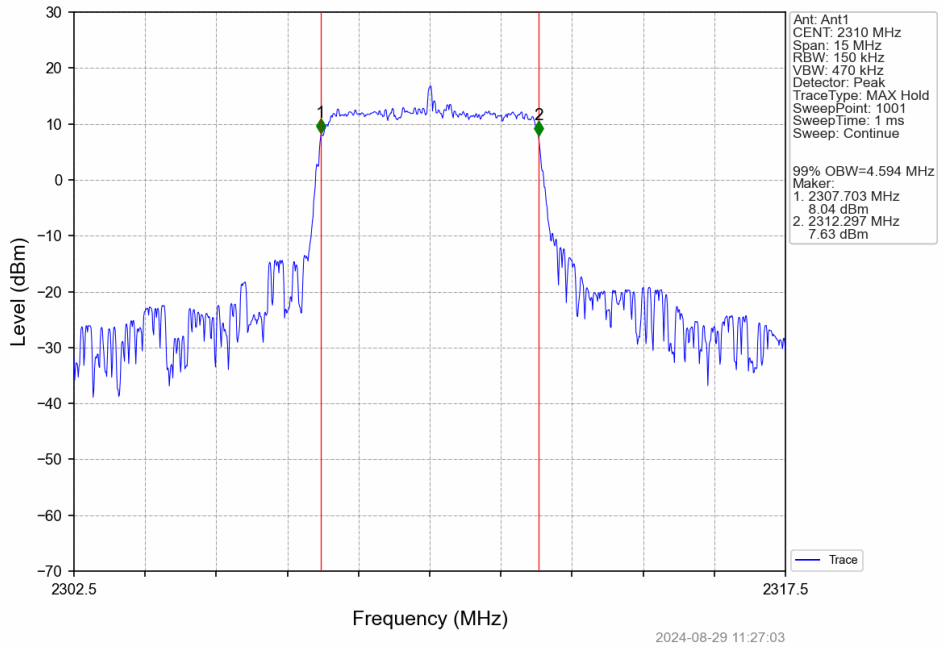
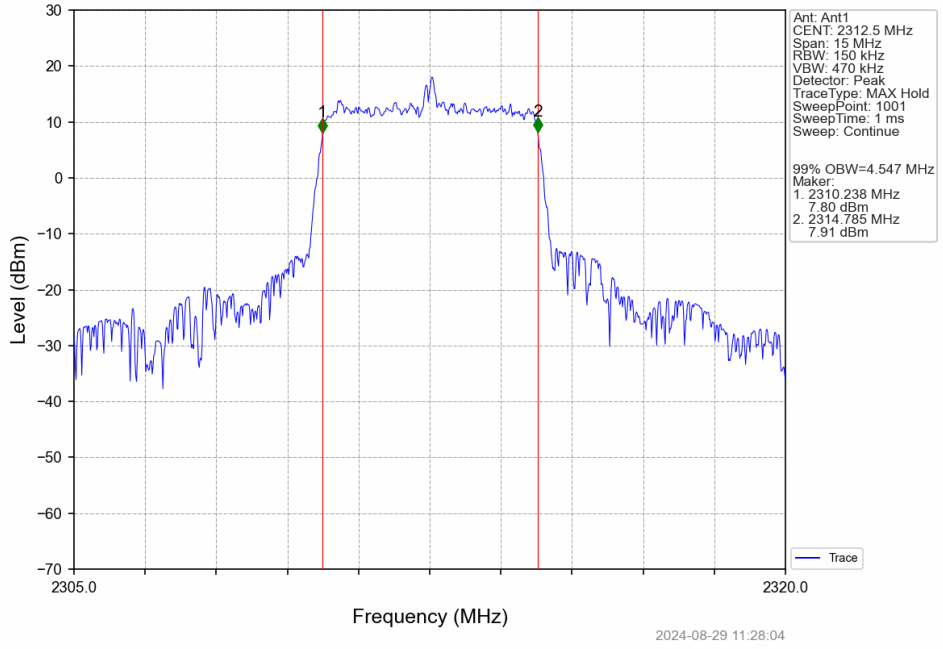
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



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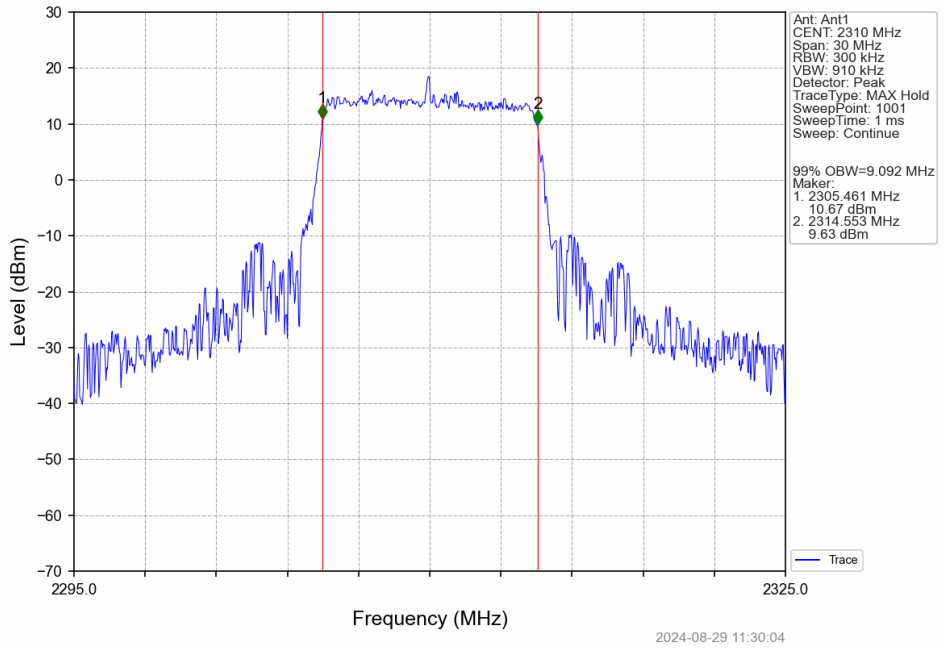
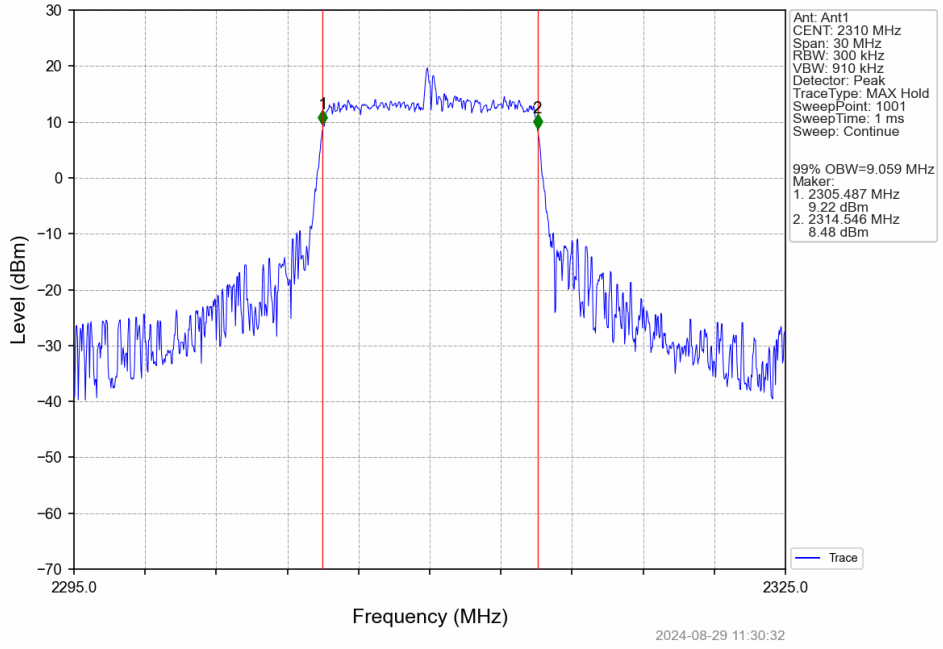
Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



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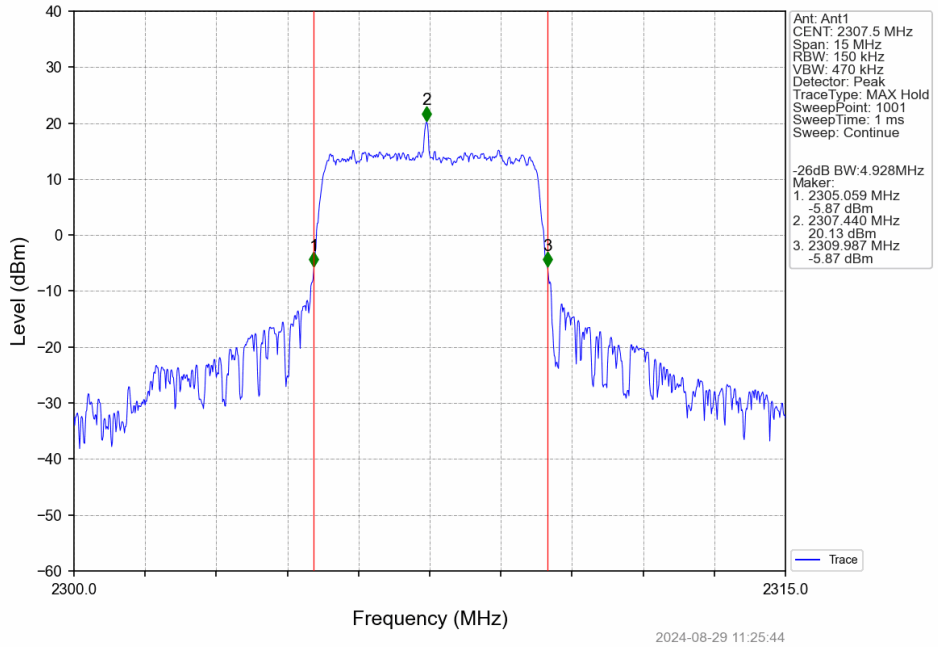
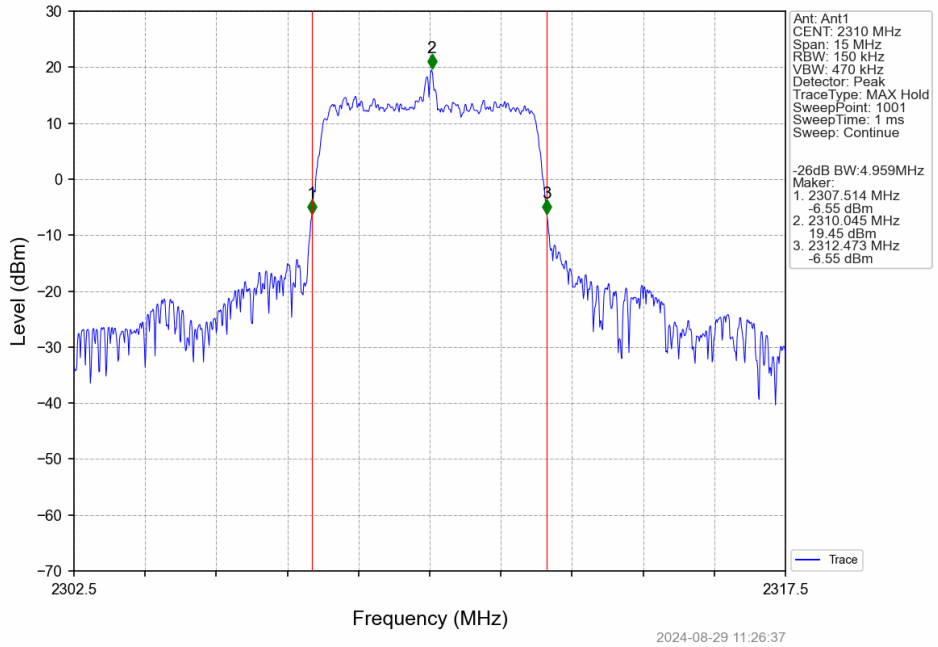
4.2.2 Band40a_XDB

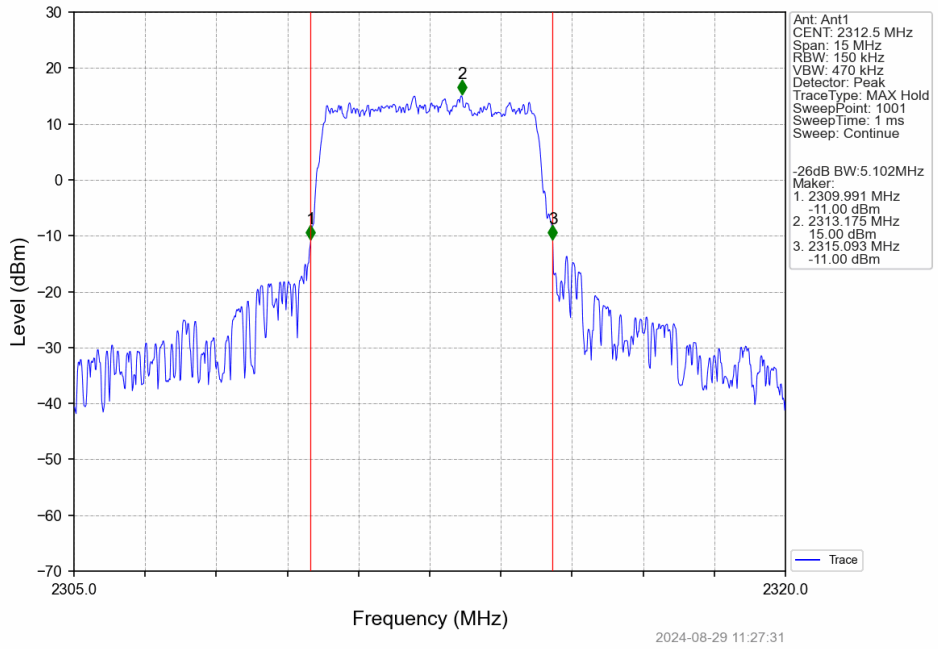
Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTNV



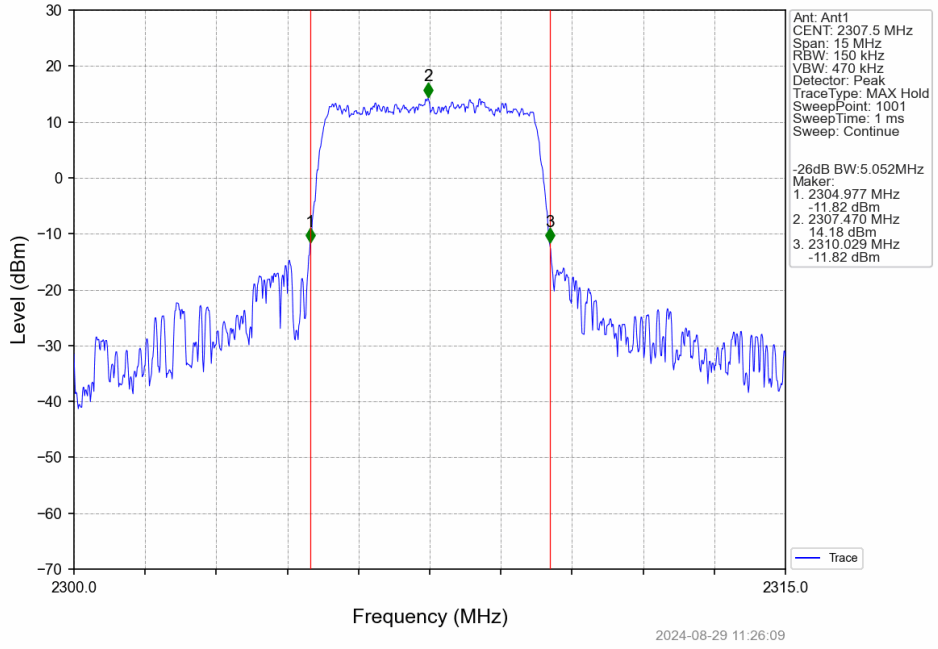
Band40a_5MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV



Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



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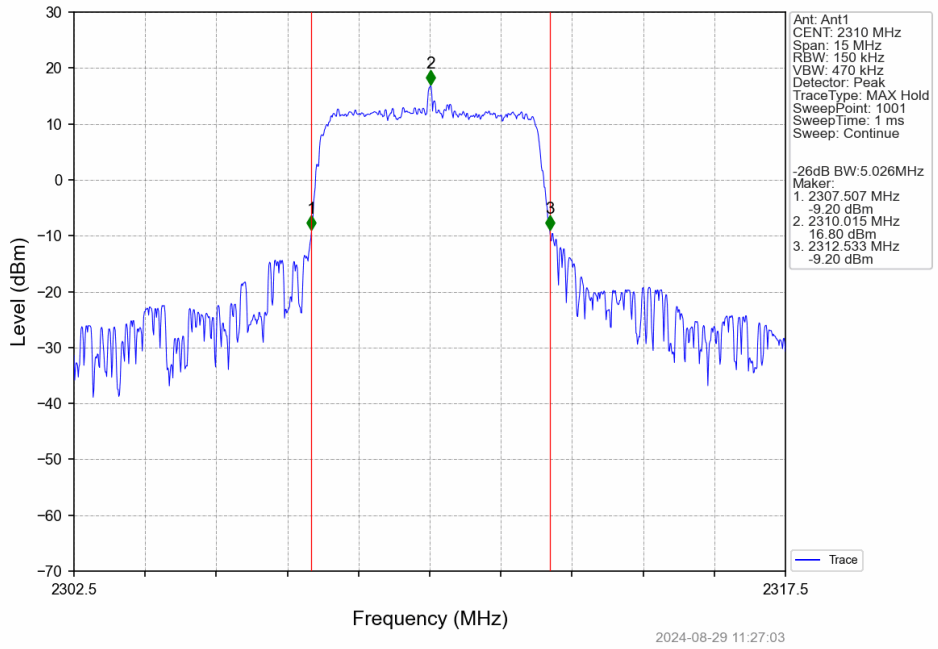
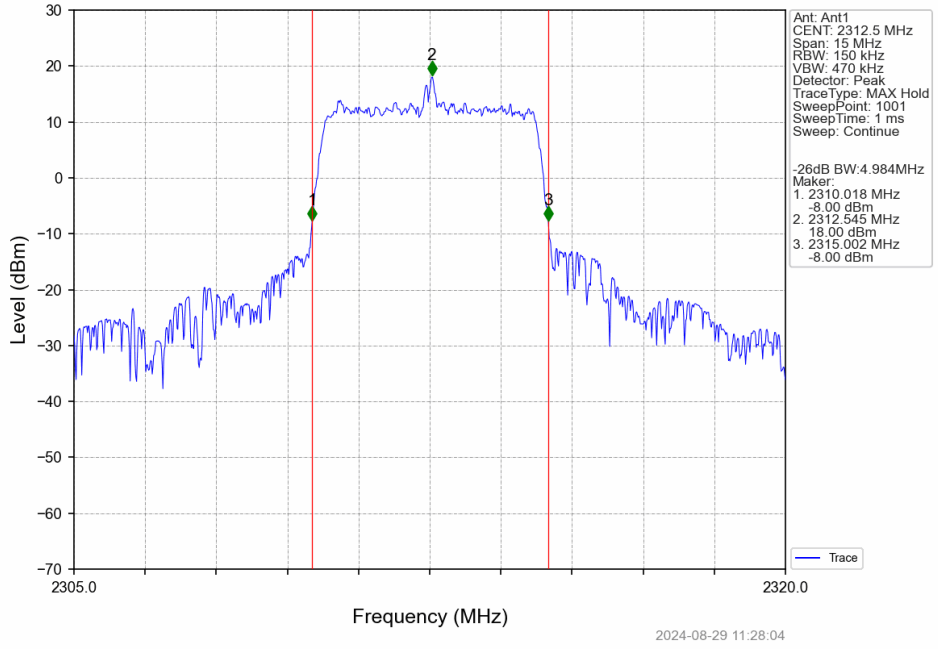
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



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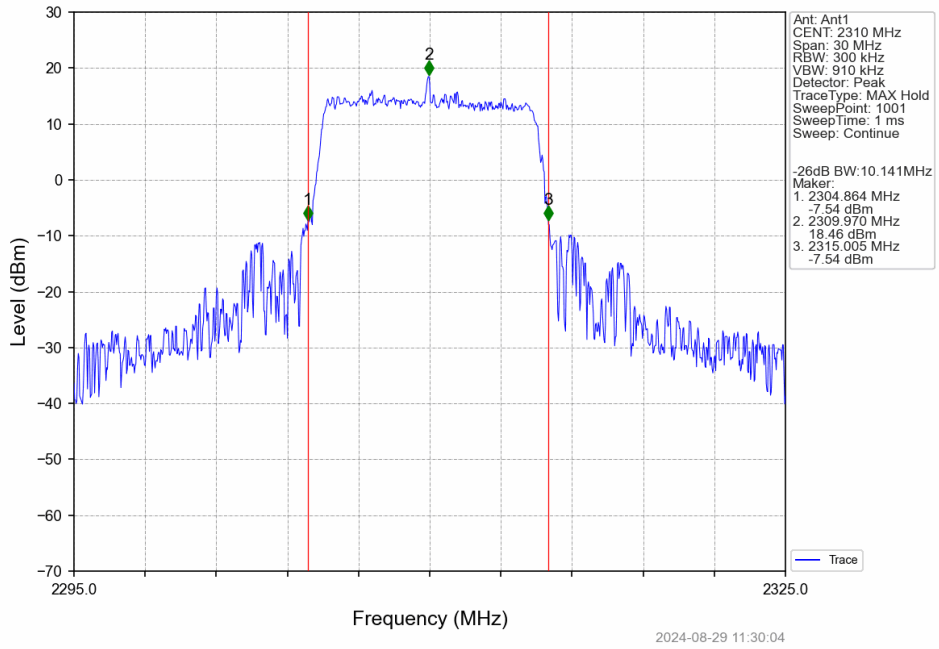
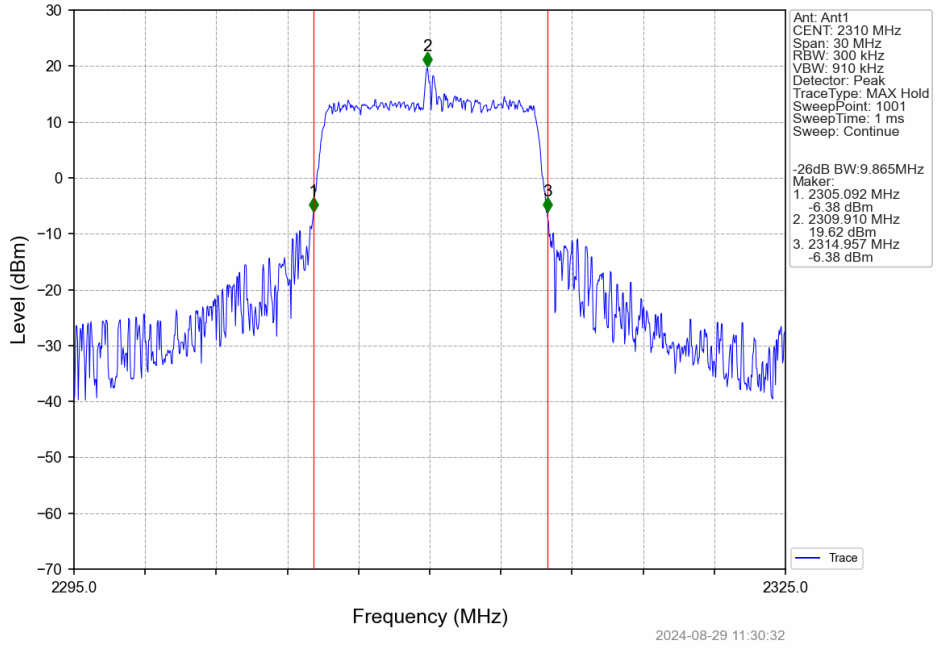
Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



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5. Peak-Average Ratio

5.1 Test Result

5.1.1 B40a_5MHz

Band: 40a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	25	0	7.65	<=13	Pass
	2310	25	0	7.65	<=13	Pass
	2312.5	25	0	7.62	<=13	Pass
16QAM	2307.5	25	0	8.34	<=13	Pass
	2310	25	0	8.35	<=13	Pass
	2312.5	25	0	8.16	<=13	Pass

5.1.2 B40a_10MHz

Band: 40a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	50	0	7.49	<=13	Pass
16QAM	2310	50	0	8.09	<=13	Pass

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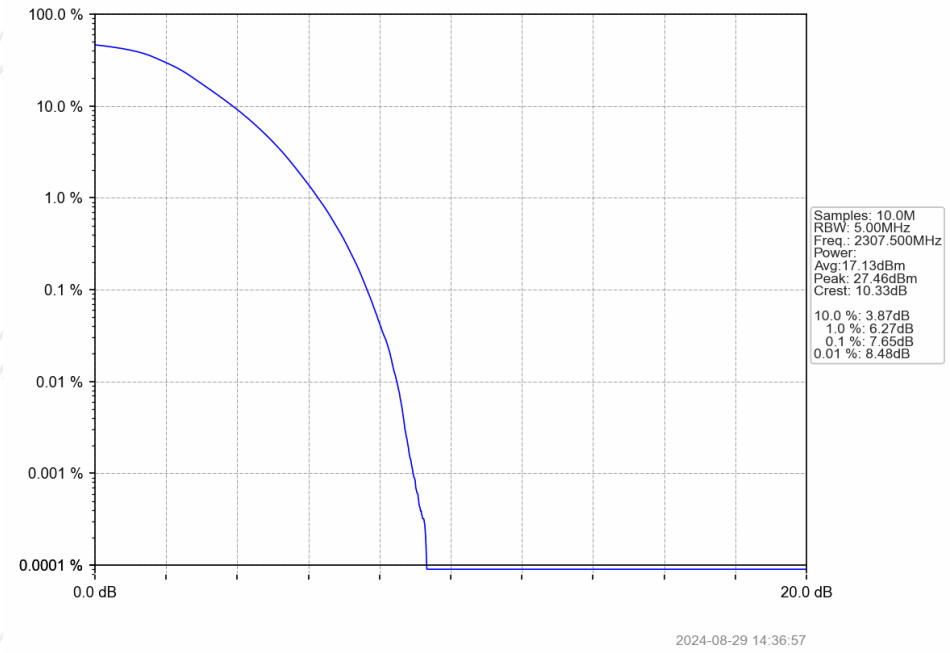
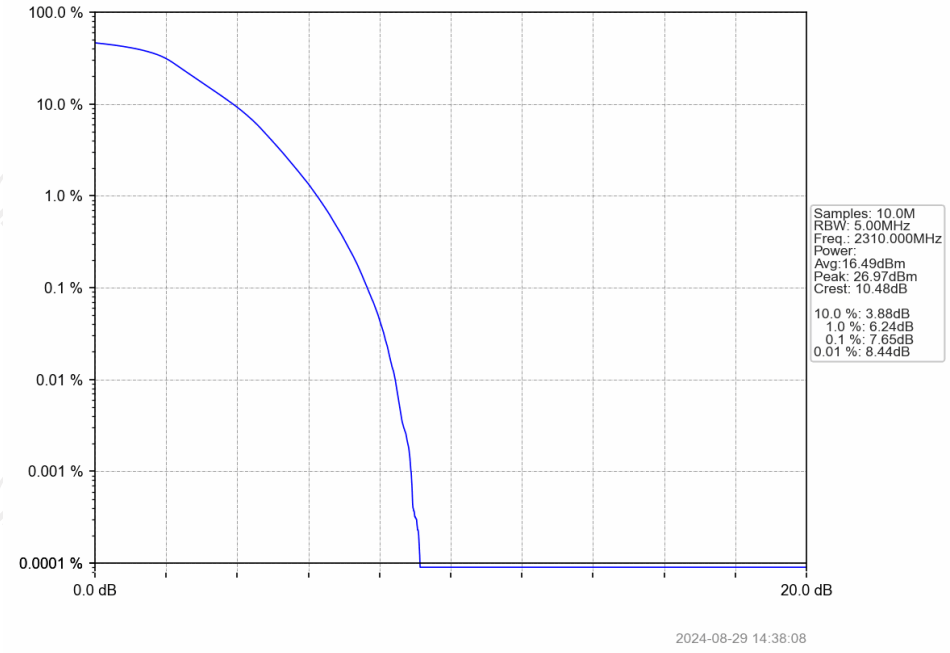
5.2 Test Graph

5.2.1 B40a_5MHz

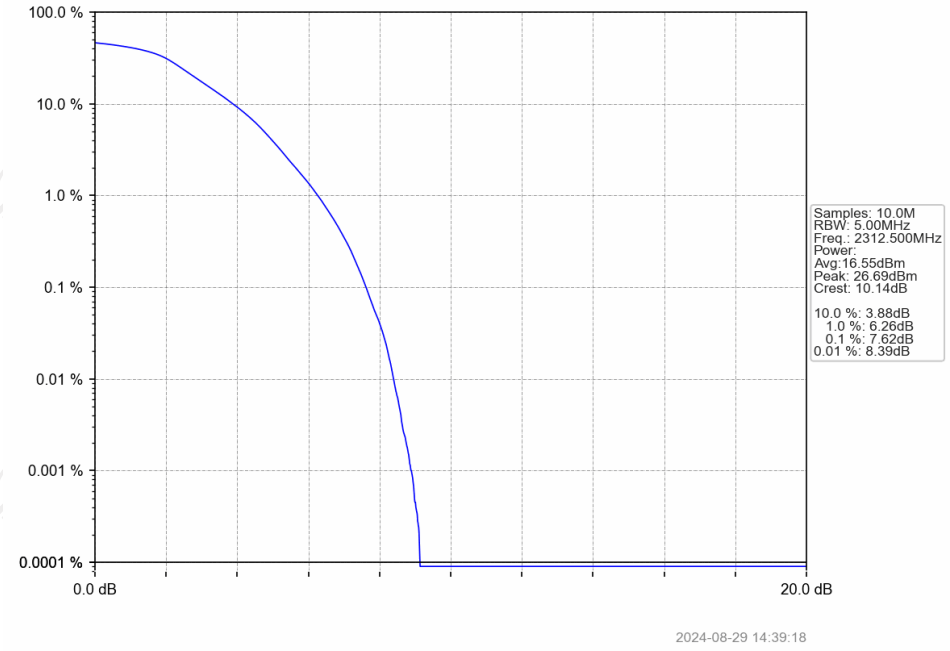
Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTNV



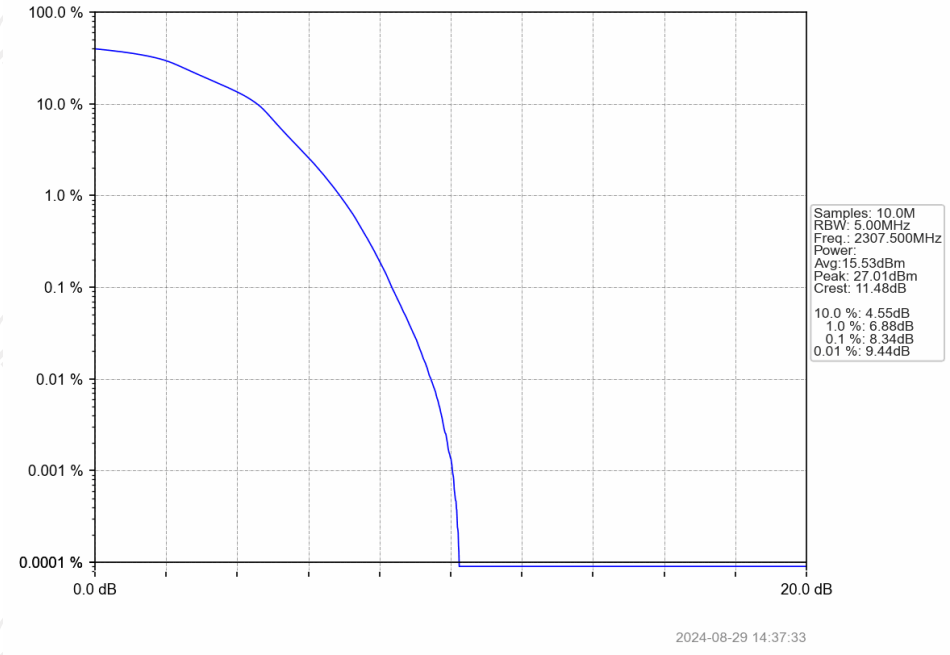
Band40a_5MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV



Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



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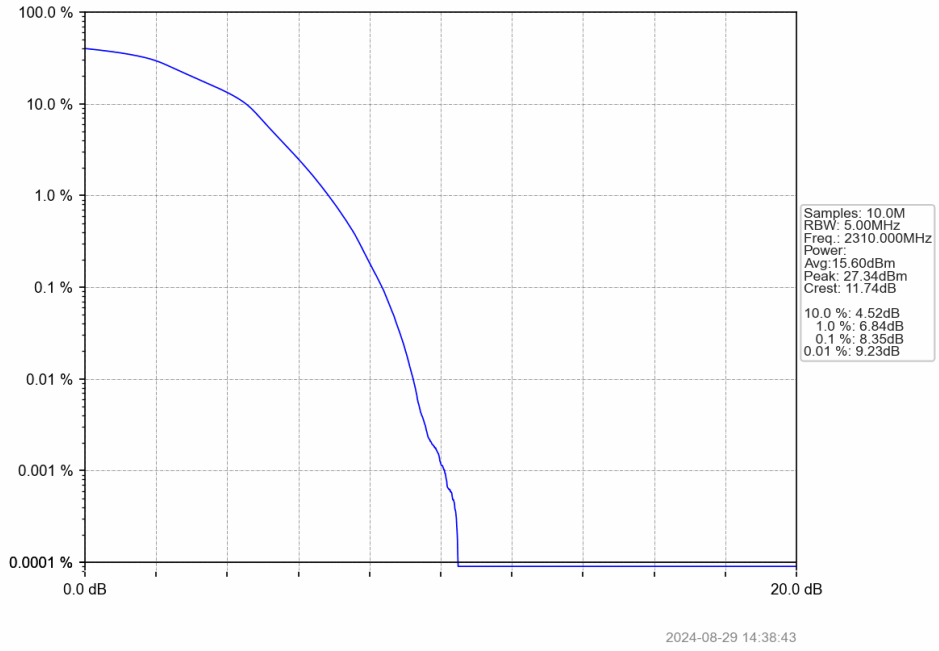
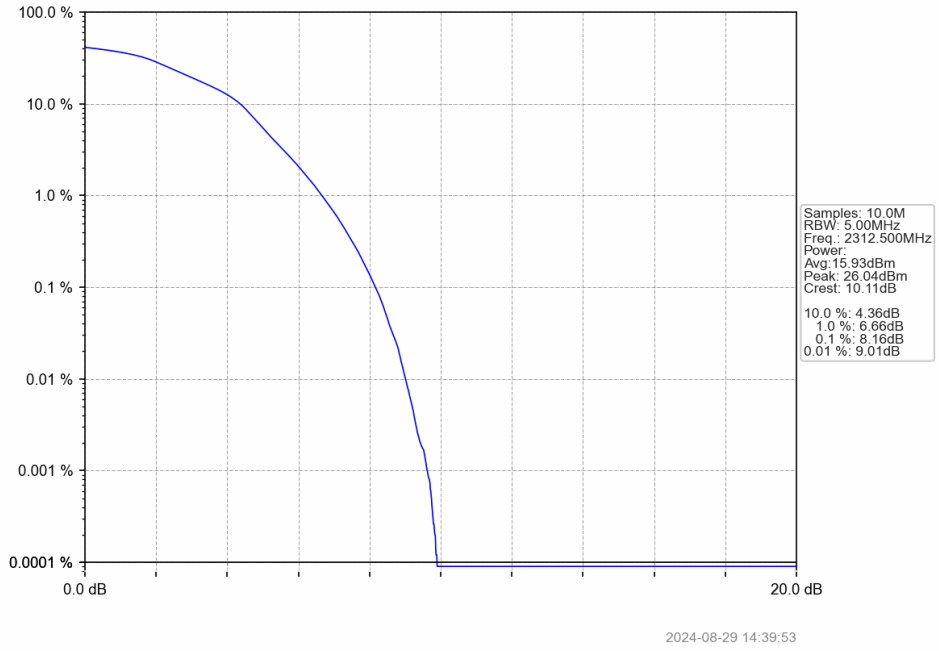
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



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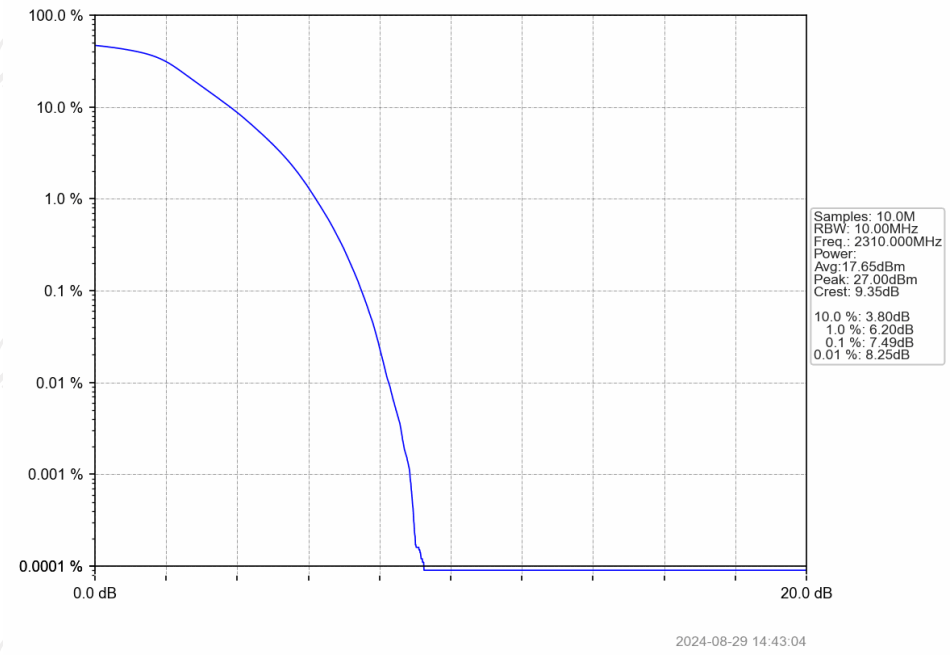
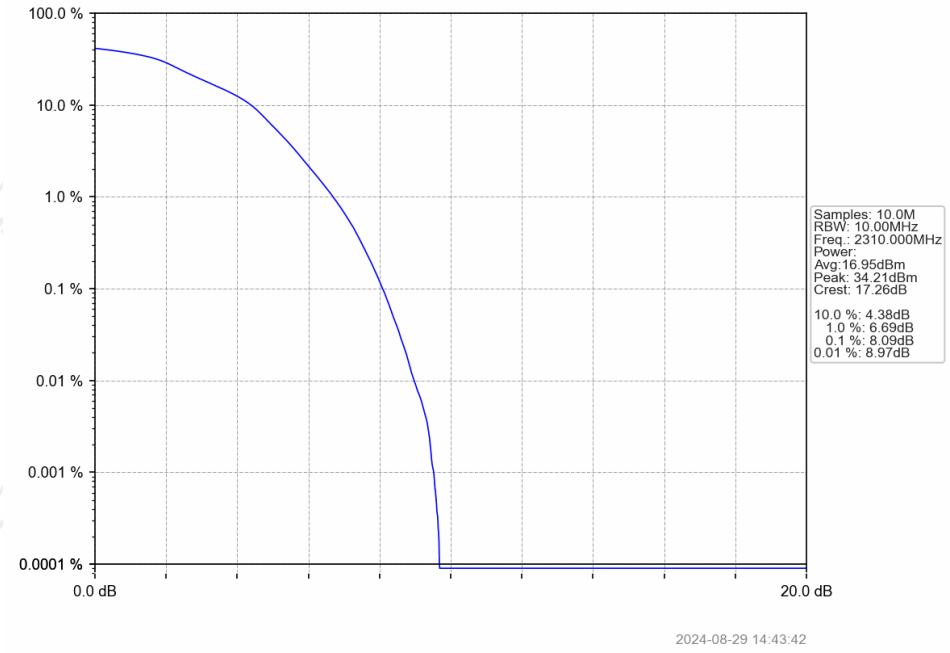
5.2.2 B40a_10MHz

Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B40a_5MHz

Band: 40a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2310	1	0	Refer To Test Graph		Pass
	2312.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2307.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2310	1	0	Refer To Test Graph		Pass
	2312.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

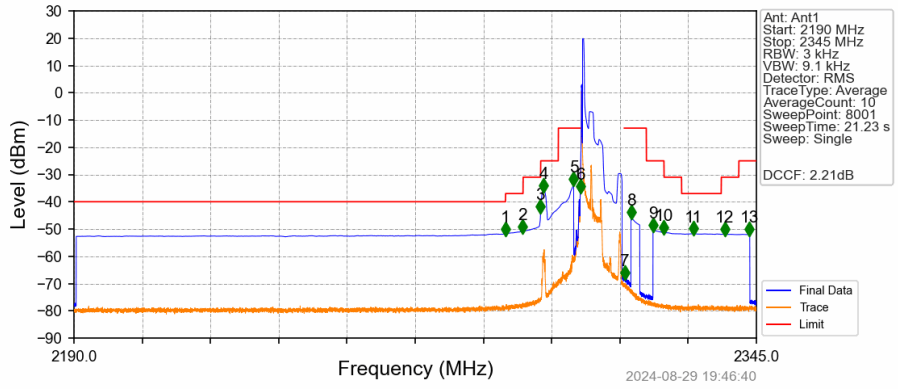
6.1.2 B40a_10MHz

Band: 40a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2310	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2310	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2310	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

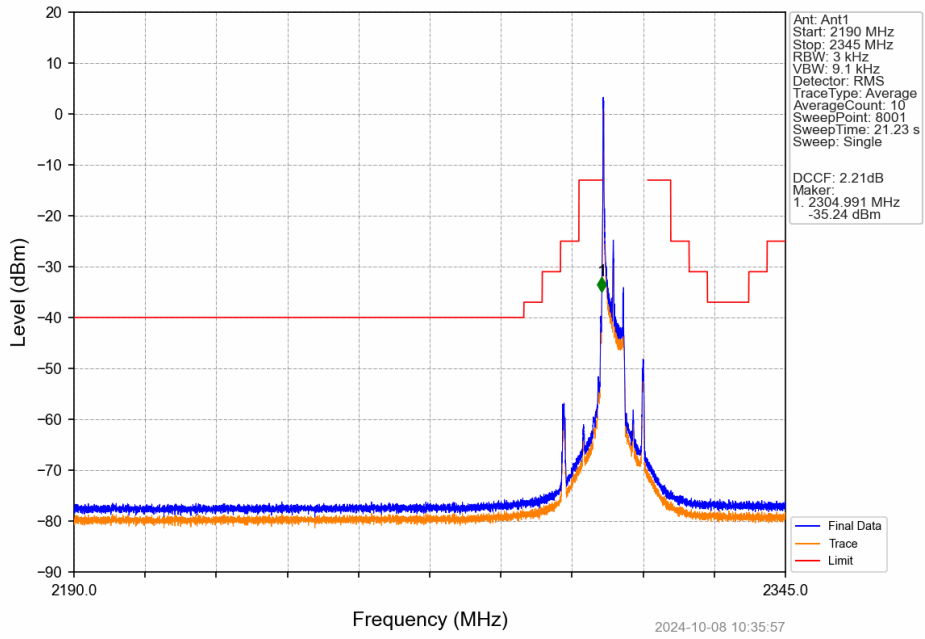
6.2.1 B40a_5MHz

Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_1_0_NTNV

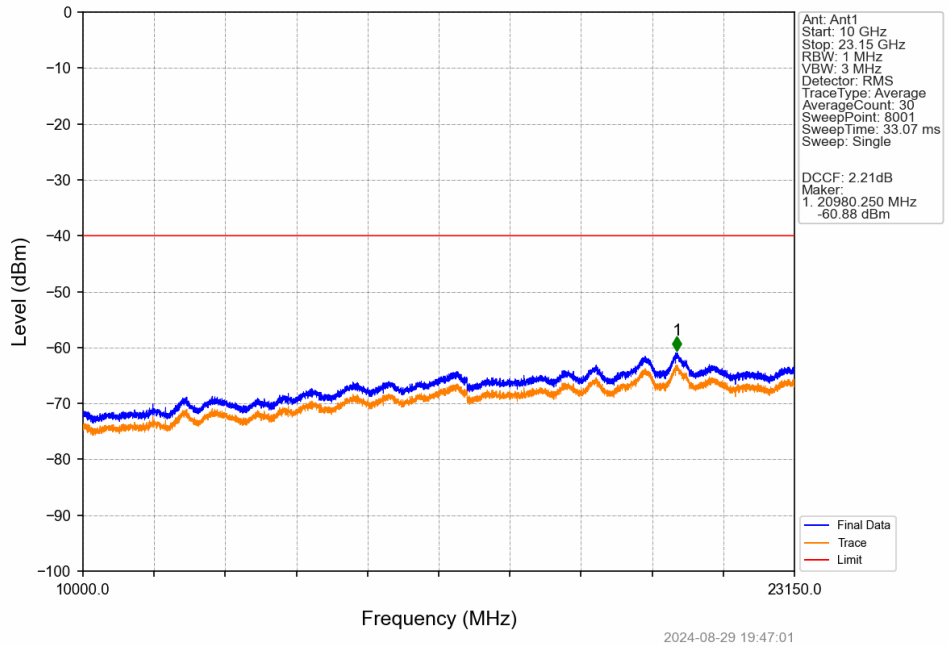


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.941	-51.76	-40	Pass
2288	2292	1	CHP	2	2291.951	-50.87	-37	Pass
2292	2296	1	CHP	3	2295.981	-43.50	-31	Pass
2296	2300	1	CHP	4	2296.679	-35.90	-25	Pass
2300	2320	1	CHP	5	2303.499	-33.52	-13	Pass
2320	2305	0.003	/	6	2304.991	-36.07	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	1	CHP	7	2315.162	-67.77	-13	Pass
2316	2320	1	CHP	8	2316.519	-45.72	-13	Pass
2320	2324	1	CHP	9	2321.517	-50.46	-25	Pass
2324	2328	1	CHP	10	2324.017	-51.35	-31	Pass
2328	2337	1	CHP	11	2330.682	-51.71	-37	Pass
2337	2341	1	CHP	12	2337.812	-51.87	-31	Pass
2341	2345	1	CHP	13	2343.411	-51.93	-25	Pass

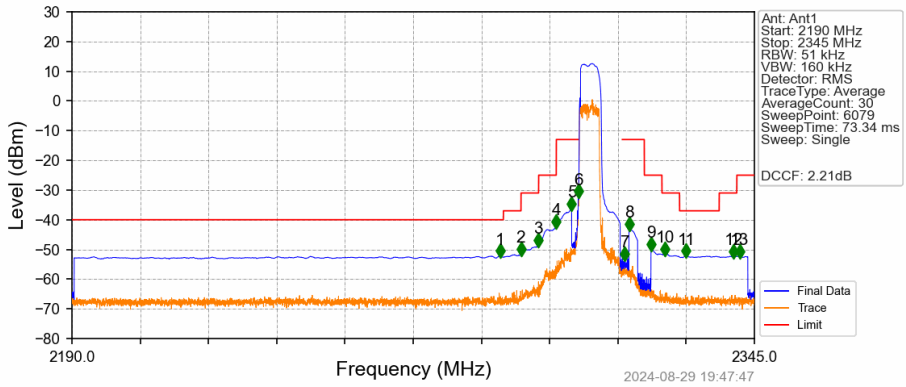
Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_1_0_NTNV



Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_1_0_NTNV

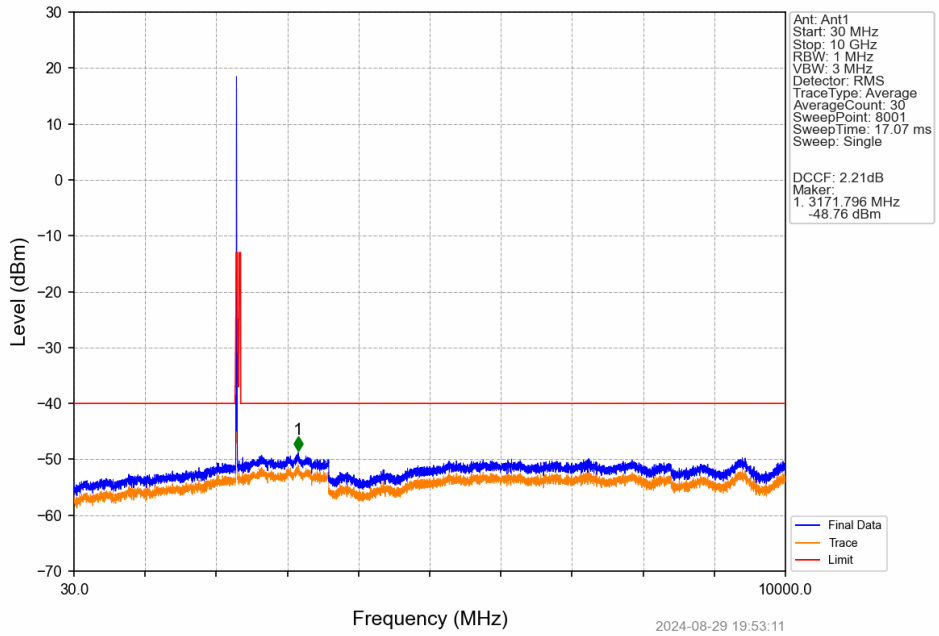


Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTNV

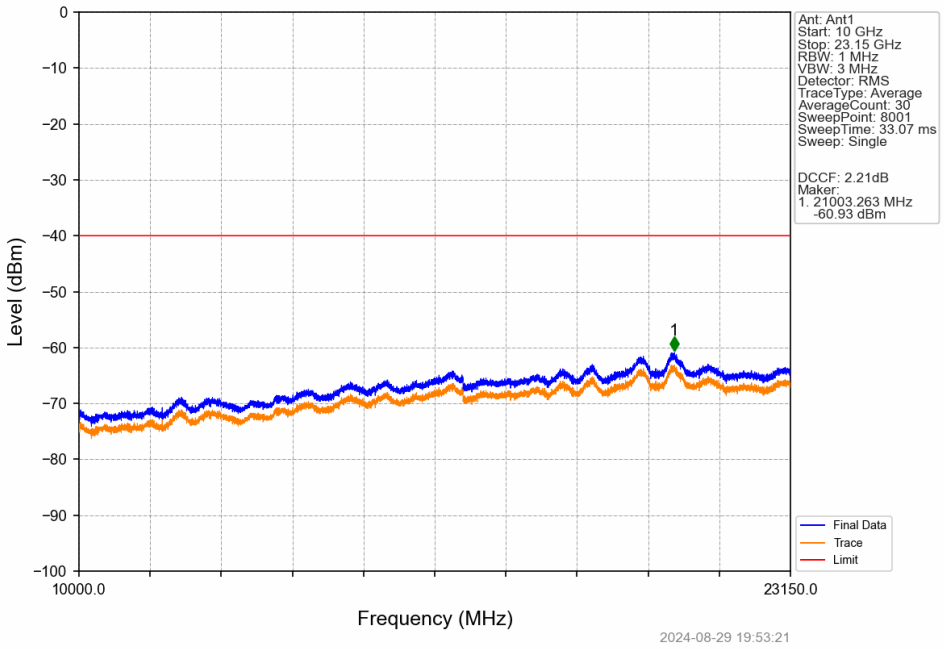


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.264	-52.25	-40	Pass
2288	2292	1	CHP	2	2291.982	-51.52	-37	Pass
2292	2296	1	CHP	3	2295.986	-48.61	-31	Pass
2296	2300	1	CHP	4	2299.989	-42.31	-25	Pass
2300	2320	1	CHP	5	2303.483	-36.27	-13	Pass
2320	2305	0.051	/	6	2304.988	-32.13	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	1	CHP	7	2315.571	-53.09	-13	Pass
2316	2320	1	CHP	8	2316.514	-43.08	-13	Pass
2320	2324	1	CHP	9	2321.589	-49.89	-25	Pass
2324	2328	1	CHP	10	2324.675	-51.56	-31	Pass
2328	2337	1	CHP	11	2329.469	-52.22	-37	Pass
2337	2341	1	CHP	12	2340.257	-52.29	-31	Pass
2341	2345	1	CHP	13	2341.659	-52.32	-25	Pass

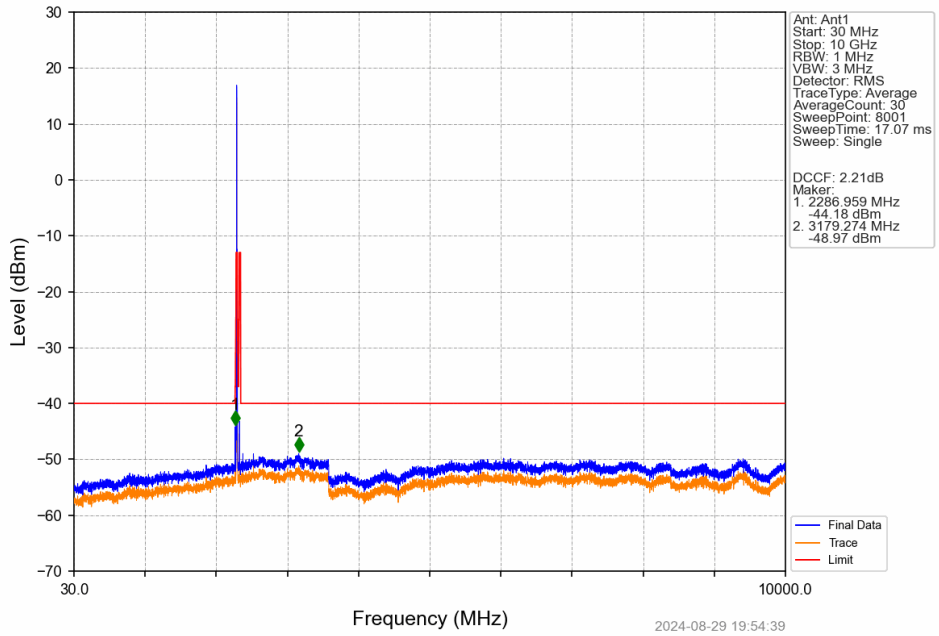
Band40a_5MHz_QPSK_MCH_2310MHz_RB_1_0_NTNV



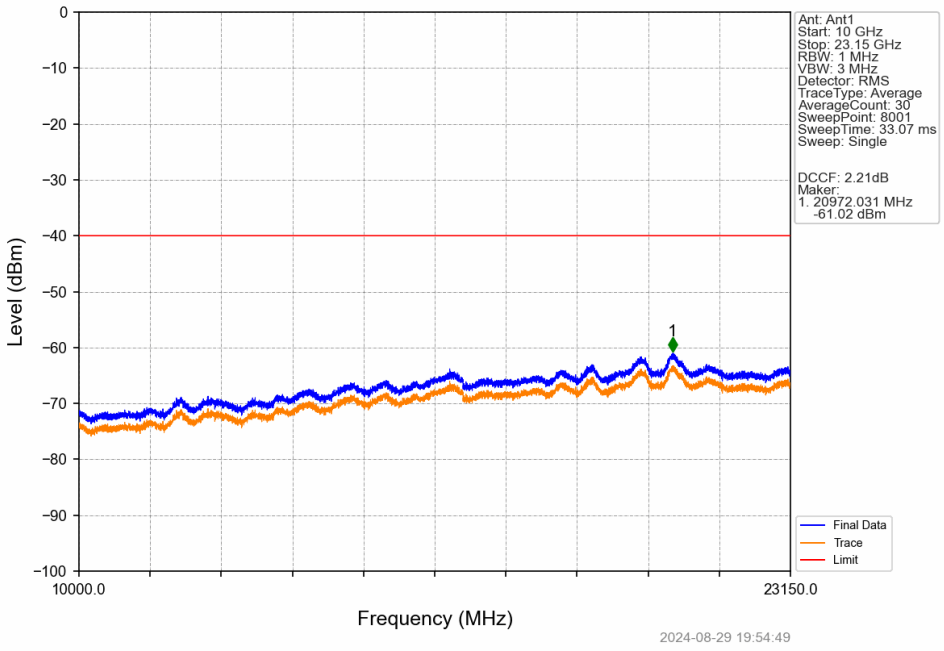
Band40a_5MHz_QPSK_MCH_2310MHz_RB_1_0_NTNV



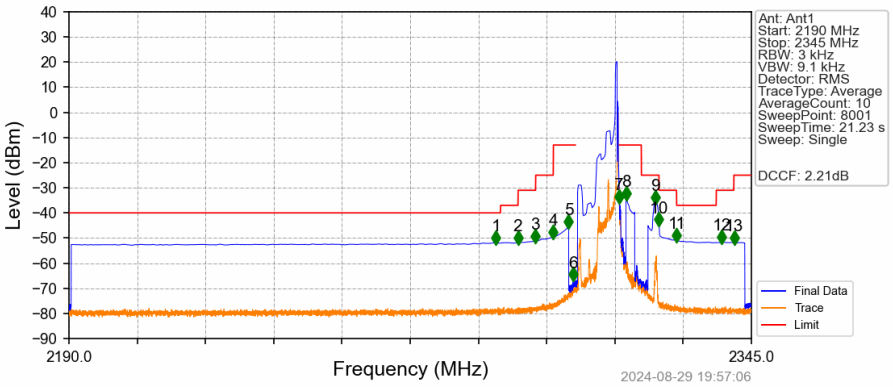
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_1_0_NTNV



Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_1_0_NTNV

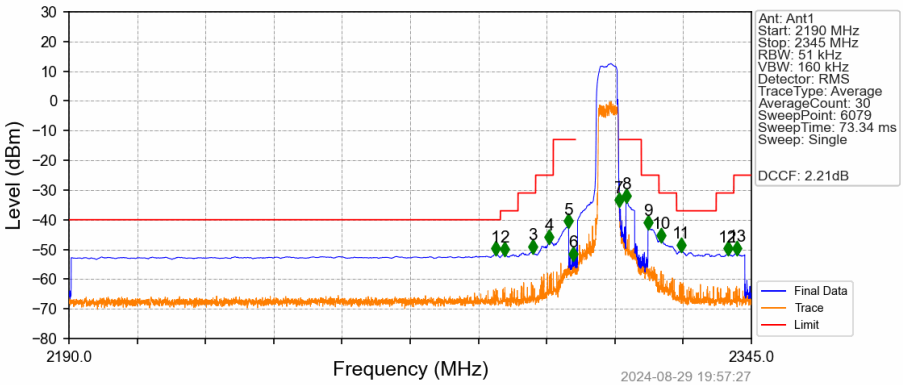


Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_1_24_NTNV



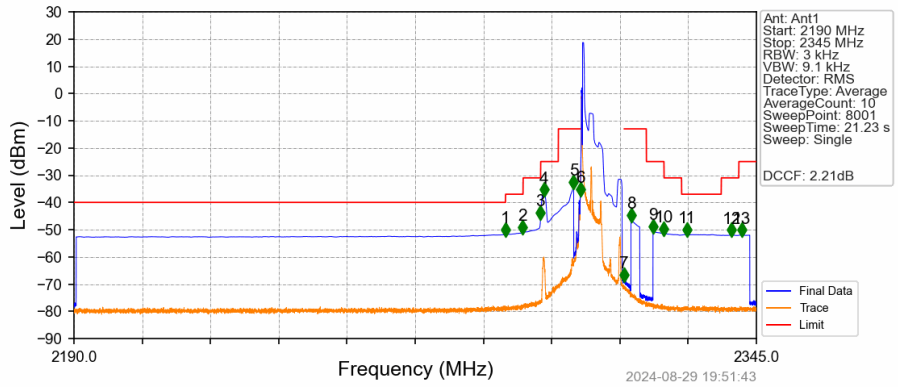
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.011	-51.89	-40	Pass
2288	2292	1	CHP	2	2291.990	-51.81	-37	Pass
2292	2296	1	CHP	3	2295.943	-51.16	-31	Pass
2296	2300	1	CHP	4	2299.992	-49.65	-25	Pass
2300	2320	1	CHP	5	2303.499	-45.47	-13	Pass
2320	2305	1	CHP	6	2304.468	-66.52	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	7	2315.008	-35.58	-13	Pass
2316	2320	1	CHP	8	2316.519	-34.23	-13	Pass
2320	2324	1	CHP	9	2323.184	-35.92	-25	Pass
2324	2328	1	CHP	10	2324.017	-44.66	-31	Pass
2328	2337	1	CHP	11	2328.008	-50.87	-37	Pass
2337	2341	1	CHP	12	2338.296	-51.66	-31	Pass
2341	2345	1	CHP	13	2341.106	-51.78	-25	Pass

Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



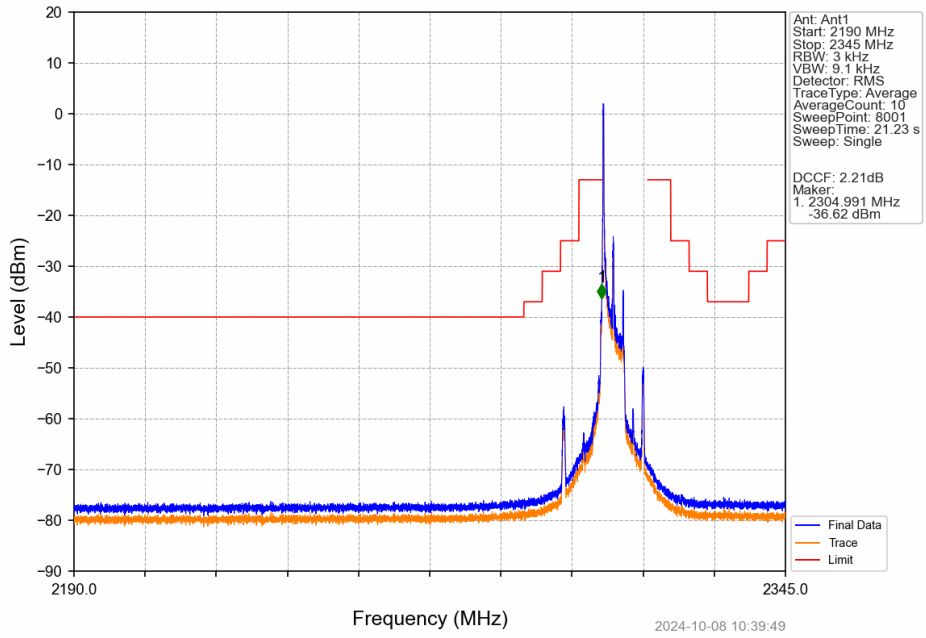
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2286.830	-51.43	-40	Pass
2288	2292	1	CHP	2	2288.998	-51.64	-37	Pass
2292	2296	1	CHP	3	2295.399	-50.81	-31	Pass
2296	2300	1	CHP	4	2299.097	-47.44	-25	Pass
2300	2320	1	CHP	5	2303.330	-42.22	-13	Pass
2320	2305	1	CHP	6	2304.503	-53.25	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.051	/	7	2315.010	-34.90	-13	Pass
2316	2320	1	CHP	8	2316.514	-33.55	-13	Pass
2320	2324	1	CHP	9	2321.513	-42.52	-25	Pass
2324	2328	1	CHP	10	2324.497	-46.97	-31	Pass
2328	2337	1	CHP	11	2329.087	-50.28	-37	Pass
2337	2341	1	CHP	12	2339.645	-51.40	-31	Pass
2341	2345	1	CHP	13	2341.787	-51.30	-25	Pass

Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.979	-51.84	-40	Pass
2288	2292	1	CHP	2	2291.932	-51.05	-37	Pass
2292	2296	1	CHP	3	2295.981	-45.56	-31	Pass
2296	2300	1	CHP	4	2296.737	-37.15	-25	Pass
2300	2320	1	CHP	5	2303.499	-34.38	-13	Pass
2320	2305	0.003	/	6	2304.991	-37.00	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	1	CHP	7	2315.008	-68.54	-13	Pass
2316	2320	1	CHP	8	2316.519	-46.47	-13	Pass
2320	2324	1	CHP	9	2321.517	-50.72	-25	Pass
2324	2328	1	CHP	10	2324.017	-51.46	-31	Pass
2328	2337	1	CHP	11	2329.209	-51.78	-37	Pass
2337	2341	1	CHP	12	2339.323	-52.00	-31	Pass
2341	2345	1	CHP	13	2341.648	-51.98	-25	Pass

Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_1_0_NTNV



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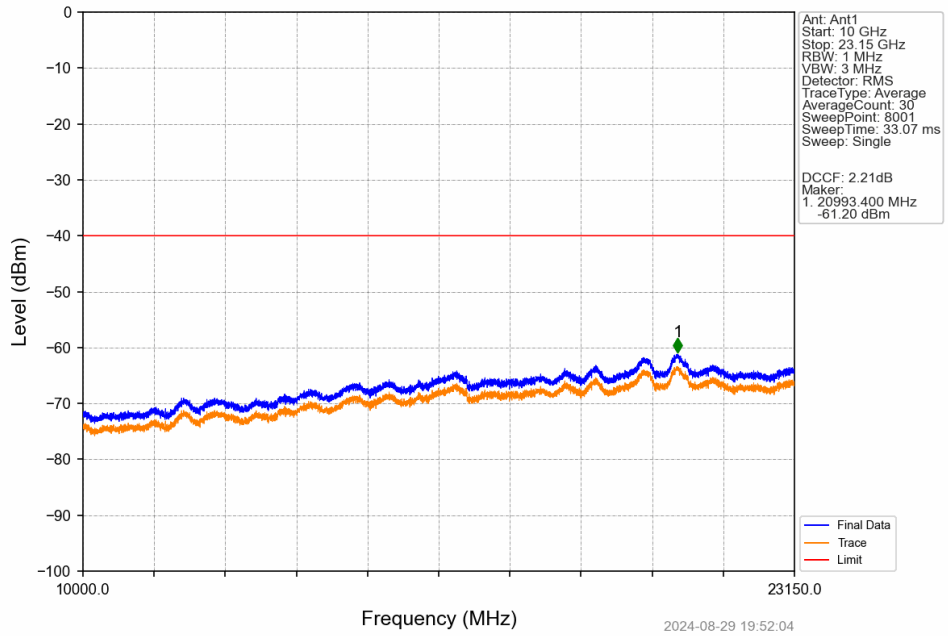
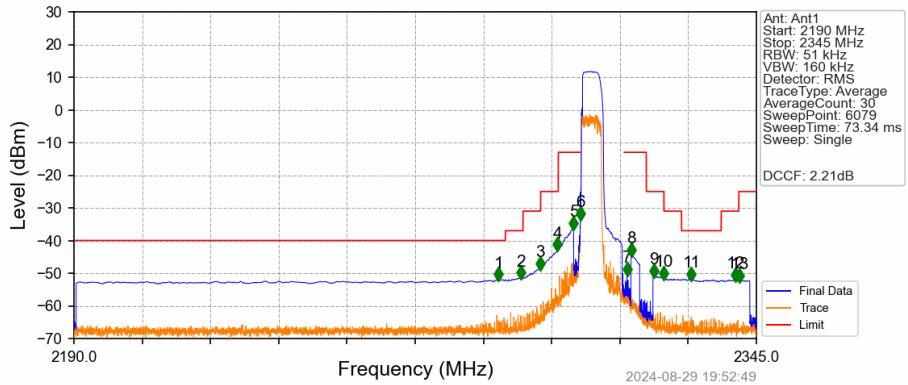
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_1_0_NTNV

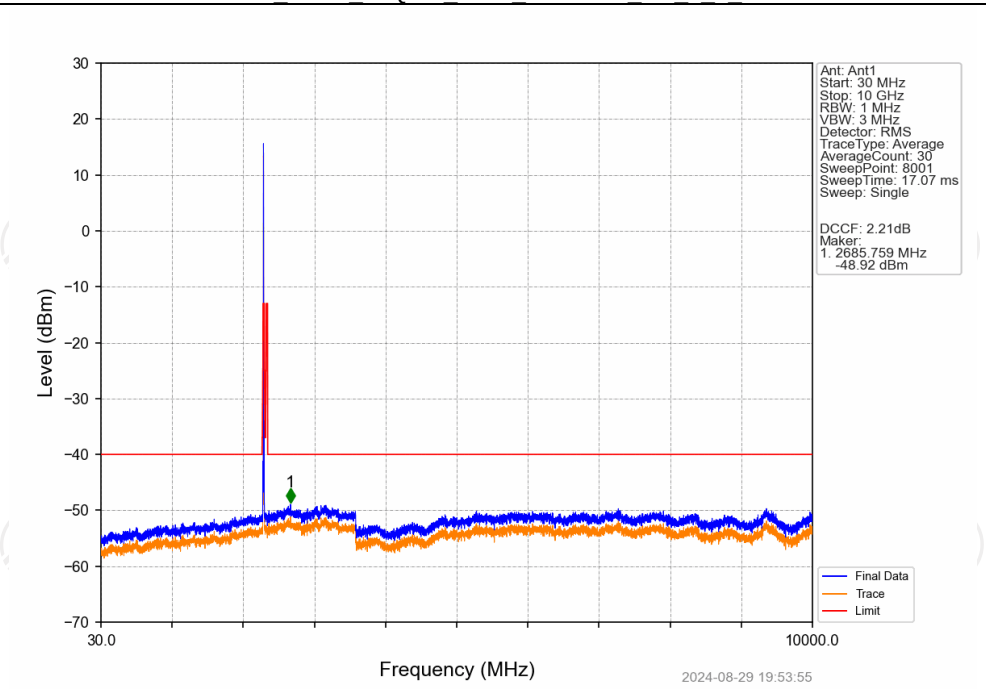


Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV

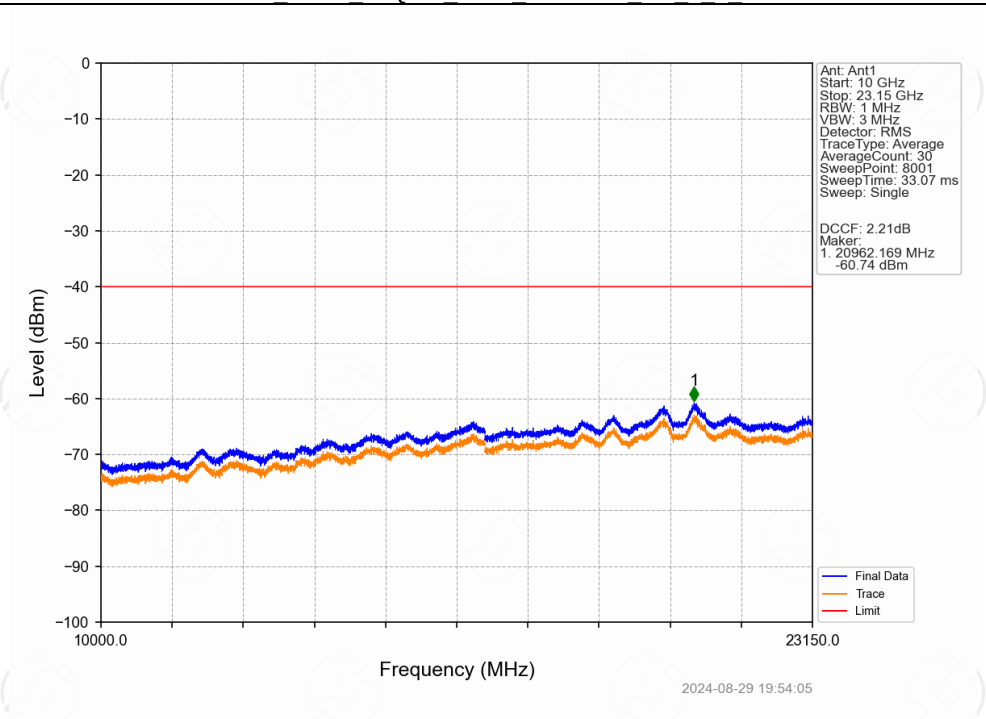


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2286.448	-51.94	-40	Pass
2288	2292	1	CHP	2	2291.548	-51.43	-37	Pass
2292	2296	1	CHP	3	2295.986	-48.67	-31	Pass
2296	2300	1	CHP	4	2299.836	-42.80	-25	Pass
2300	2320	1	CHP	5	2303.483	-36.29	-13	Pass
2320	2305	0.051	/	6	2304.988	-33.34	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	1	CHP	7	2315.596	-50.38	-13	Pass
2316	2320	1	CHP	8	2316.514	-44.46	-13	Pass
2320	2324	1	CHP	9	2321.717	-50.78	-25	Pass
2324	2328	1	CHP	10	2324.012	-51.54	-31	Pass
2328	2337	1	CHP	11	2330.209	-51.82	-37	Pass
2337	2341	1	CHP	12	2340.257	-52.10	-31	Pass
2341	2345	1	CHP	13	2341.149	-52.26	-25	Pass

Band40a_5MHz_16QAM_MCH_2310MHz_RB_1_0_NTNV



Band40a_5MHz_16QAM_MCH_2310MHz_RB_1_0_NTNV



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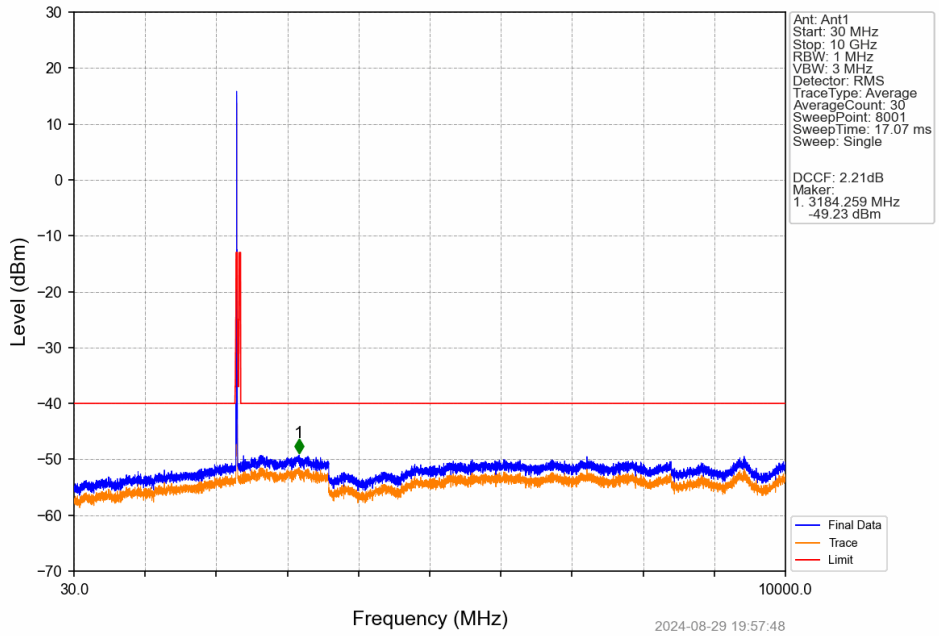
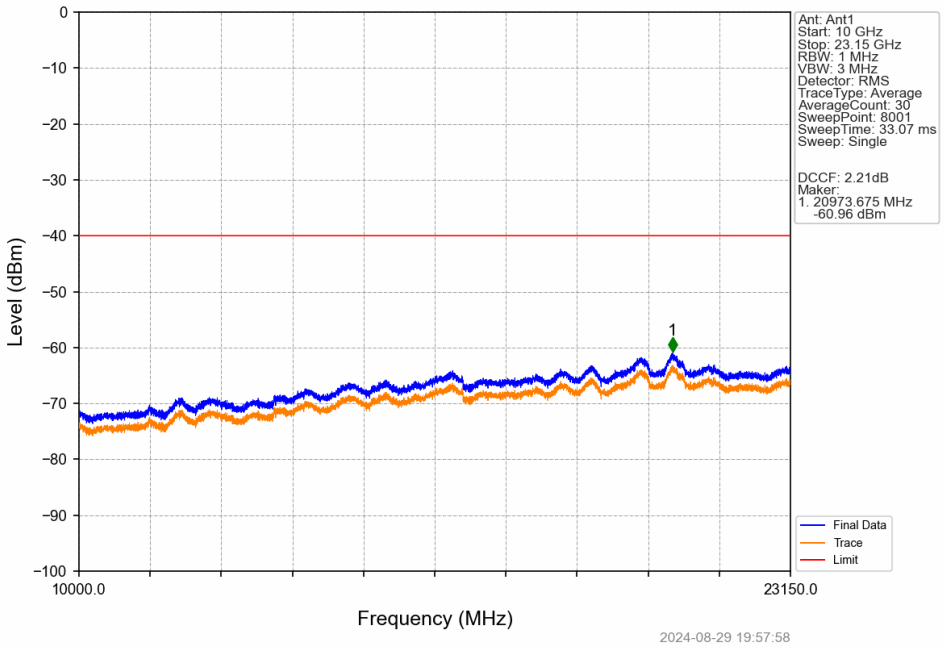
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_1_0_NTNV



Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_1_0_NTNV



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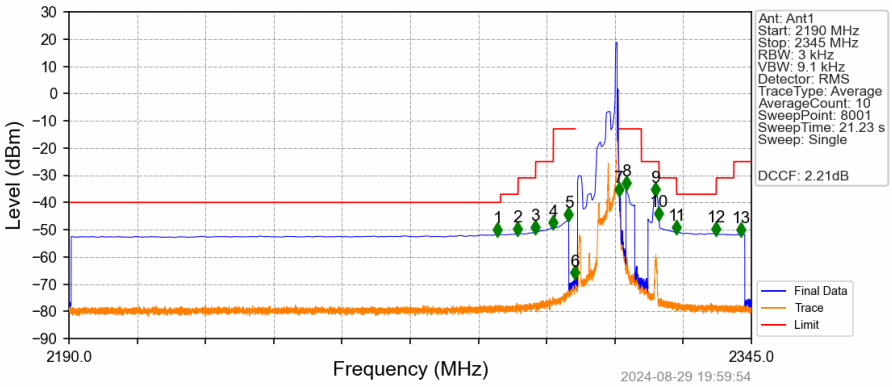
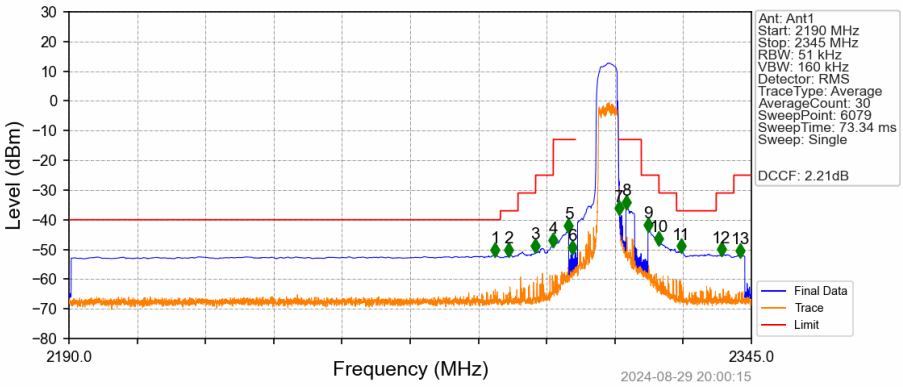
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.340	-51.76	-40	Pass
2288	2292	1	CHP	2	2291.932	-51.55	-37	Pass
2292	2296	1	CHP	3	2295.981	-50.87	-31	Pass
2296	2300	1	CHP	4	2299.992	-49.33	-25	Pass
2300	2320	1	CHP	5	2303.499	-46.29	-13	Pass
2320	2305	1	CHP	6	2304.932	-67.72	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	7	2315.008	-37.13	-13	Pass
2316	2320	1	CHP	8	2316.519	-34.71	-13	Pass
2320	2324	1	CHP	9	2323.164	-37.13	-25	Pass
2324	2328	1	CHP	10	2324.017	-45.84	-31	Pass
2328	2337	1	CHP	11	2328.028	-50.98	-37	Pass
2337	2341	1	CHP	12	2337.017	-51.58	-31	Pass
2341	2345	1	CHP	13	2342.597	-51.78	-25	Pass

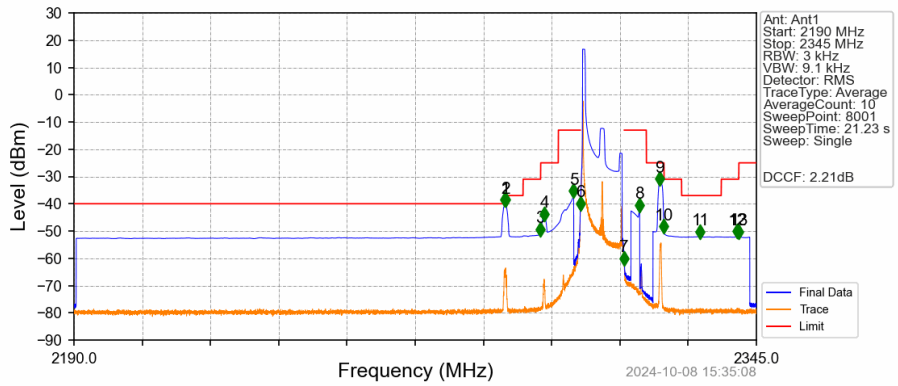
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2286.754	-51.91	-40	Pass
2288	2292	1	CHP	2	2289.865	-51.89	-37	Pass
2292	2296	1	CHP	3	2295.909	-50.51	-31	Pass
2296	2300	1	CHP	4	2299.989	-48.50	-25	Pass
2300	2320	1	CHP	5	2303.483	-43.69	-13	Pass
2320	2305	1	CHP	6	2304.299	-51.00	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.051	/	7	2315.010	-37.85	-13	Pass
2316	2320	1	CHP	8	2316.514	-35.83	-13	Pass
2320	2324	1	CHP	9	2321.538	-43.31	-25	Pass
2324	2328	1	CHP	10	2324.012	-47.97	-31	Pass
2328	2337	1	CHP	11	2329.036	-50.61	-37	Pass
2337	2341	1	CHP	12	2338.140	-51.69	-31	Pass
2341	2345	1	CHP	13	2342.475	-52.01	-25	Pass

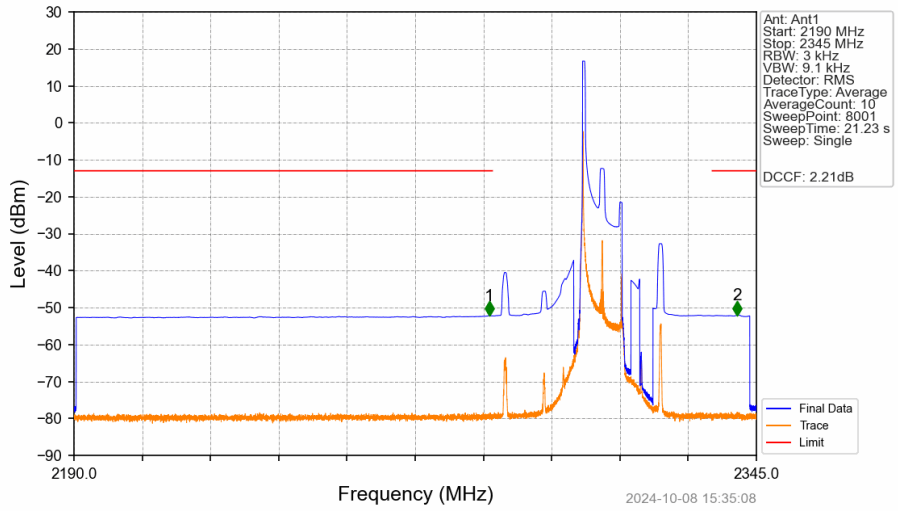
6.2.2 B40a_10MHz

Band40a_10MHz_QPSK_LCH_2310MHz_RB_1_0_NTNV



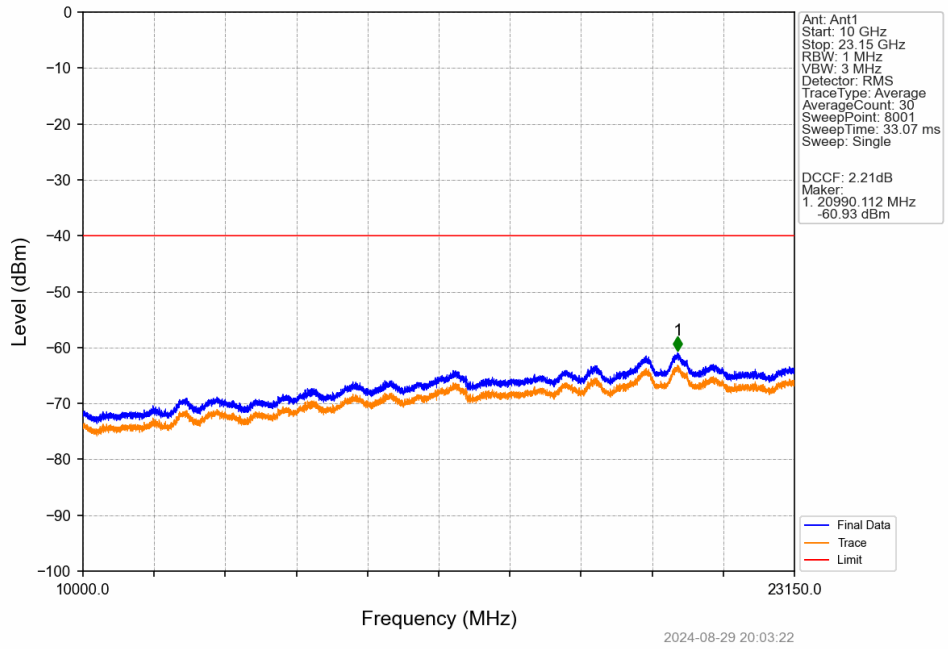
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.921	-40.48	-40	Pass
2288	2292	1	CHP	2	2288.018	-40.49	-37	Pass
2292	2296	1	CHP	3	2295.981	-51.16	-31	Pass
2296	2300	1	CHP	4	2296.892	-45.57	-25	Pass
2300	2320	1	CHP	5	2303.499	-37.23	-13	Pass
2320	2305	0.003	/	6	2304.991	-41.77	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	7	2315.008	-61.86	-13	Pass
2316	2320	1	CHP	8	2318.476	-42.29	-13	Pass
2320	2324	1	CHP	9	2323.029	-32.71	-25	Pass
2324	2328	1	CHP	10	2324.017	-50.25	-31	Pass
2328	2337	1	CHP	11	2332.232	-52.06	-37	Pass
2337	2341	1	CHP	12	2340.621	-52.01	-31	Pass
2341	2345	1	CHP	13	2341.009	-52.06	-25	Pass

Band40a_10MHz_QPSK_LCH_2310MHz_RB_1_0_NTNV

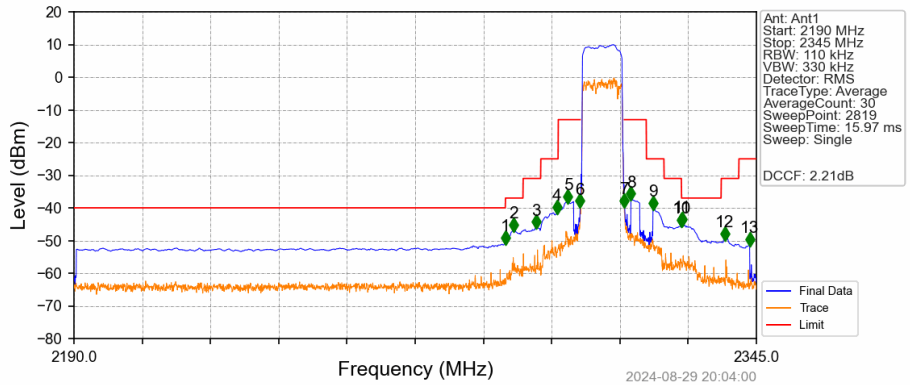


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	10000	1	CHP	1	2284.337	-52.20	-13	Pass
10000	2335	1	CHP	/	/	/	/	/
2335	10000	1	CHP	2	2340.621	-52.01	-13	Pass

Band40a_10MHz_QPSK_LCH_2310MHz_RB_1_0_NTNV

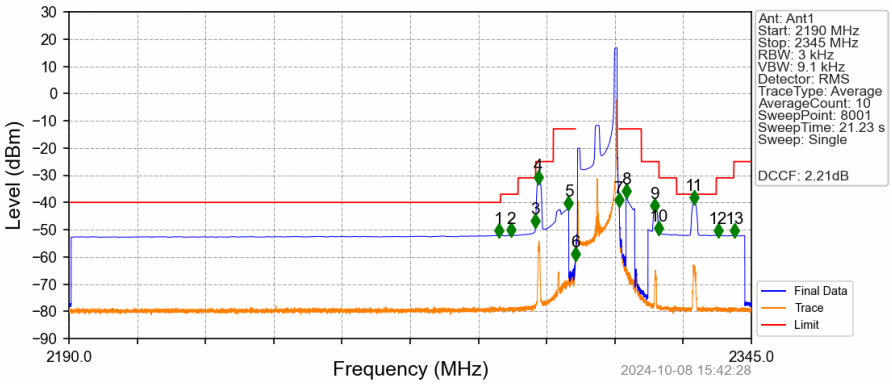


Band40a_10MHz_QPSK_LCH_2310MHz_RB_50_0_NTNV



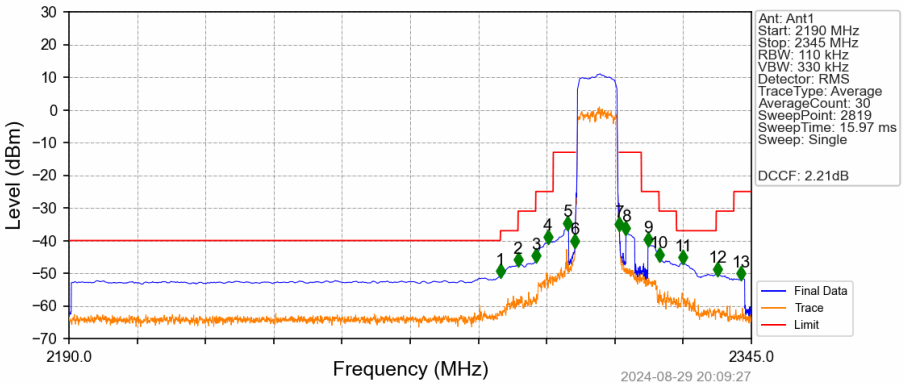
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.961	-50.66	-40	Pass
2288	2292	1	CHP	2	2289.941	-46.72	-37	Pass
2292	2296	1	CHP	3	2295.057	-45.89	-31	Pass
2296	2300	1	CHP	4	2299.677	-41.38	-25	Pass
2300	2320	1	CHP	5	2302.207	-38.07	-13	Pass
2320	2305	0.11	/	6	2304.957	-39.43	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	7	2315.023	-39.23	-13	Pass
2316	2320	1	CHP	8	2316.508	-37.22	-13	Pass
2320	2324	1	CHP	9	2321.513	-40.12	-25	Pass
2324	2328	1	CHP	10	2327.949	-45.31	-31	Pass
2328	2337	1	CHP	11	2328.169	-45.09	-37	Pass
2337	2341	1	CHP	12	2337.795	-49.48	-31	Pass
2341	2345	1	CHP	13	2343.460	-51.11	-25	Pass

Band40a_10MHz_QPSK_HCH_2310MHz_RB_1_49_NTNV



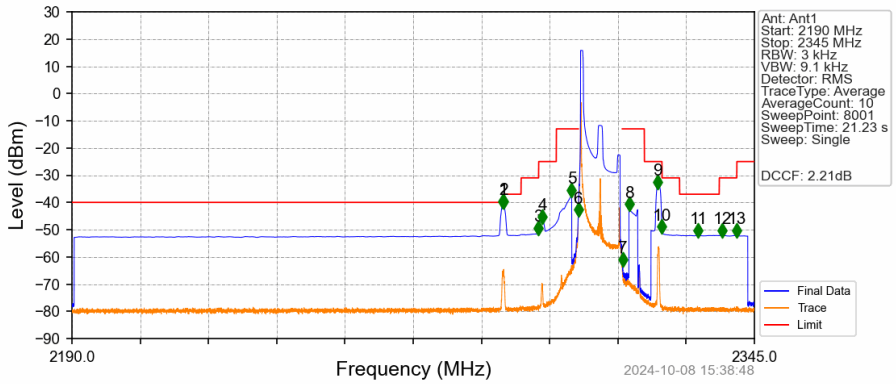
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.592	-52.06	-40	Pass
2288	2292	1	CHP	2	2290.401	-52.01	-37	Pass
2292	2296	1	CHP	3	2295.981	-48.64	-31	Pass
2296	2300	1	CHP	4	2296.601	-32.59	-25	Pass
2300	2320	1	CHP	5	2303.499	-42.18	-13	Pass
2320	2305	0.003	/	6	2304.991	-60.76	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	7	2315.008	-40.83	-13	Pass
2316	2320	1	CHP	8	2316.519	-37.62	-13	Pass
2320	2324	1	CHP	9	2322.990	-42.93	-25	Pass
2324	2328	1	CHP	10	2324.017	-51.32	-31	Pass
2328	2337	1	CHP	11	2332.019	-39.90	-37	Pass
2337	2341	1	CHP	12	2337.444	-52.14	-31	Pass
2341	2345	1	CHP	13	2341.222	-52.15	-25	Pass

Band40a_10MHz_QPSK_HCH_2310MHz_RB_50_0_NTNV



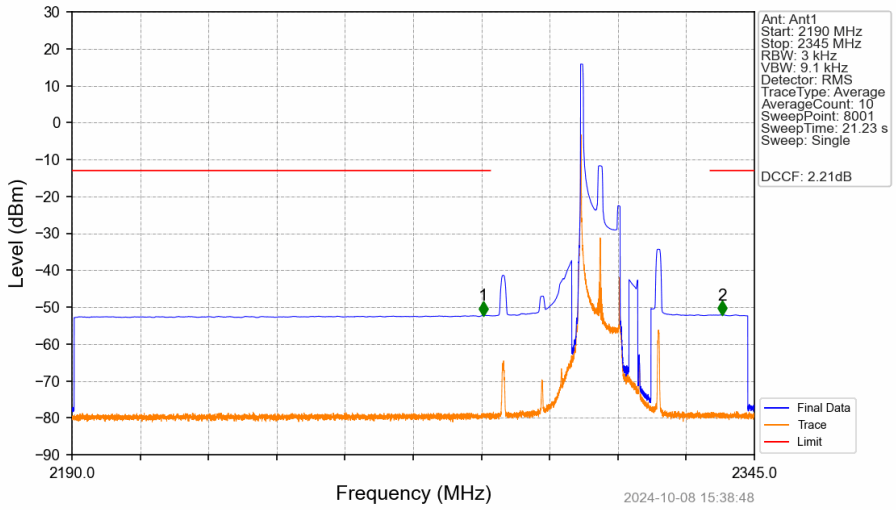
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.961	-50.96	-40	Pass
2288	2292	1	CHP	2	2291.977	-47.45	-37	Pass
2292	2296	1	CHP	3	2295.992	-46.22	-31	Pass
2296	2300	1	CHP	4	2298.742	-40.35	-25	Pass
2300	2320	1	CHP	5	2303.197	-36.16	-13	Pass
2320	2305	0.11	/	6	2304.957	-41.63	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	7	2315.023	-36.46	-13	Pass
2316	2320	1	CHP	8	2316.508	-37.75	-13	Pass
2320	2324	1	CHP	9	2321.568	-41.15	-25	Pass
2324	2328	1	CHP	10	2324.044	-45.92	-31	Pass
2328	2337	1	CHP	11	2329.489	-46.74	-37	Pass
2337	2341	1	CHP	12	2337.355	-50.39	-31	Pass
2341	2345	1	CHP	13	2342.635	-51.66	-25	Pass

Band40a_10MHz_16QAM_LCH_2310MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.902	-41.39	-40	Pass
2288	2292	1	CHP	2	2288.018	-41.40	-37	Pass
2292	2296	1	CHP	3	2295.981	-51.32	-31	Pass
2296	2300	1	CHP	4	2296.872	-47.04	-25	Pass
2300	2320	1	CHP	5	2303.499	-37.39	-13	Pass
2320	2305	0.003	/	6	2304.971	-44.61	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	7	2315.046	-62.86	-13	Pass
2316	2320	1	CHP	8	2316.519	-42.56	-13	Pass
2320	2324	1	CHP	9	2323.068	-34.33	-25	Pass
2324	2328	1	CHP	10	2324.017	-50.80	-31	Pass
2328	2337	1	CHP	11	2332.213	-52.09	-37	Pass
2337	2341	1	CHP	12	2337.657	-52.09	-31	Pass
2341	2345	1	CHP	13	2341.009	-52.20	-25	Pass

Band40a_10MHz_16QAM_LCH_2310MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	10000	1	CHP	1	2283.407	-52.23	-13	Pass
10000	2335	1	CHP	/	/	/	/	/
2335	10000	1	CHP	2	2337.657	-52.09	-13	Pass

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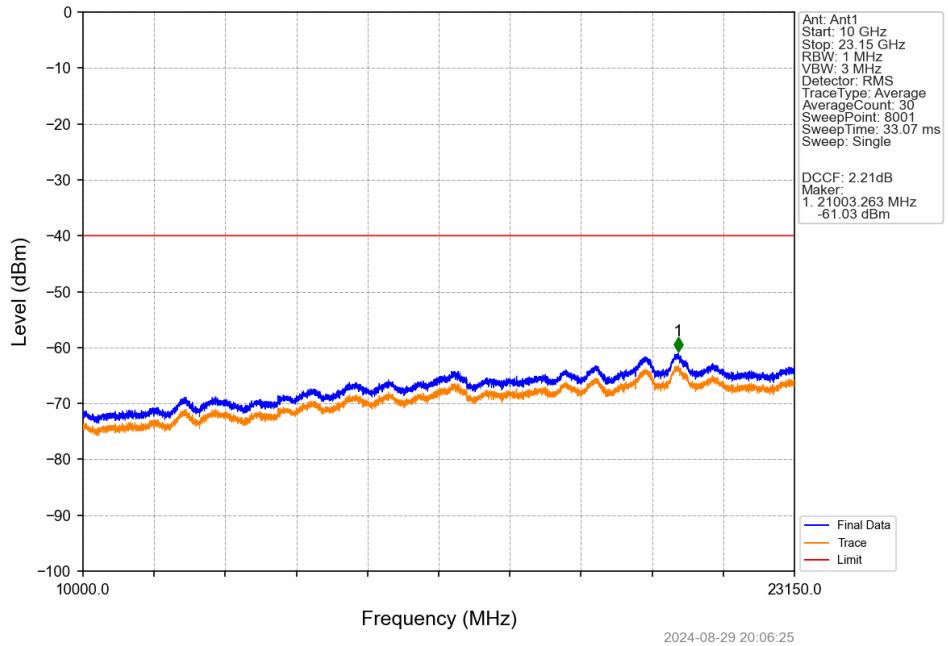
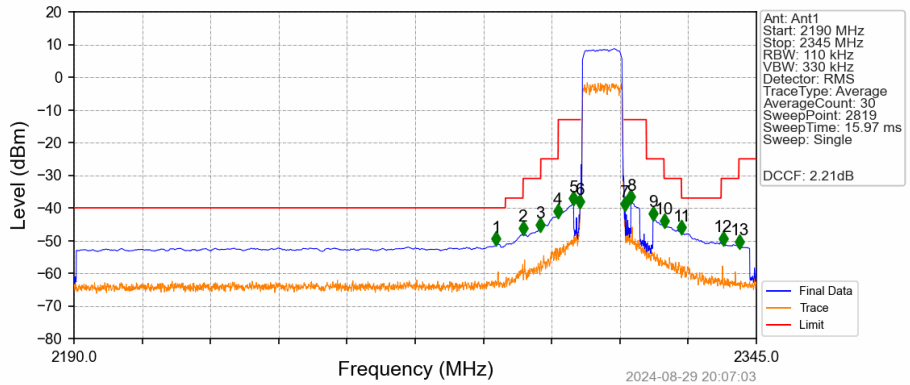
Band40a_10MHz_16QAM_LCH_2310MHz_RB_1_0_NTNV

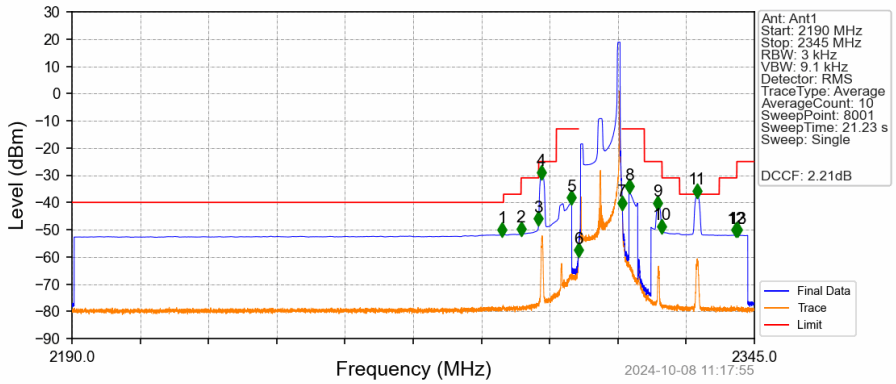


Band40a_10MHz_16QAM_LCH_2310MHz_RB_50_0_NTNV



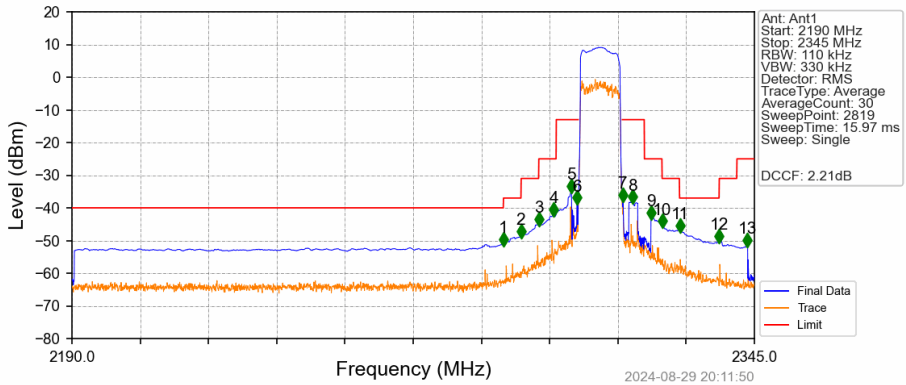
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2285.871	-51.07	-40	Pass
2288	2292	1	CHP	2	2291.977	-47.76	-37	Pass
2292	2296	1	CHP	3	2295.827	-46.65	-31	Pass
2296	2300	1	CHP	4	2299.897	-42.53	-25	Pass
2300	2320	1	CHP	5	2303.472	-38.71	-13	Pass
2320	2305	0.11	/	6	2304.957	-39.57	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	7	2315.133	-40.39	-13	Pass
2316	2320	1	CHP	8	2316.508	-38.22	-13	Pass
2320	2324	1	CHP	9	2321.513	-43.27	-25	Pass
2324	2328	1	CHP	10	2324.044	-45.53	-31	Pass
2328	2337	1	CHP	11	2328.004	-47.57	-37	Pass
2337	2341	1	CHP	12	2337.465	-50.90	-31	Pass
2341	2345	1	CHP	13	2341.150	-51.98	-25	Pass

Band40a_10MHz_16QAM_HCH_2310MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.727	-51.77	-40	Pass
2288	2292	1	CHP	2	2291.971	-51.66	-37	Pass
2292	2296	1	CHP	3	2295.981	-47.88	-31	Pass
2296	2300	1	CHP	4	2296.640	-30.76	-25	Pass
2300	2320	1	CHP	5	2303.441	-40.19	-13	Pass
2320	2305	0.003	/	6	2304.991	-59.37	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	7	2315.008	-42.02	-13	Pass
2316	2320	1	CHP	8	2316.519	-36.02	-13	Pass
2320	2324	1	CHP	9	2323.048	-42.02	-25	Pass
2324	2328	1	CHP	10	2324.017	-50.76	-31	Pass
2328	2337	1	CHP	11	2331.999	-37.67	-37	Pass
2337	2341	1	CHP	12	2340.873	-51.97	-31	Pass
2341	2345	1	CHP	13	2341.164	-51.99	-25	Pass

Band40a_10MHz_16QAM_HCH_2310MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.961	-51.22	-40	Pass
2288	2292	1	CHP	2	2291.977	-48.62	-37	Pass
2292	2296	1	CHP	3	2295.992	-45.03	-31	Pass
2296	2300	1	CHP	4	2299.457	-42.06	-25	Pass
2300	2320	1	CHP	5	2303.472	-34.90	-13	Pass
2320	2305	0.11	/	6	2304.737	-38.44	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	7	2315.188	-37.51	-13	Pass
2316	2320	1	CHP	8	2317.333	-38.19	-13	Pass
2320	2324	1	CHP	9	2321.513	-42.94	-25	Pass
2324	2328	1	CHP	10	2324.044	-45.61	-31	Pass
2328	2337	1	CHP	11	2328.169	-46.99	-37	Pass
2337	2341	1	CHP	12	2337.024	-50.12	-31	Pass
2341	2345	1	CHP	13	2343.350	-51.41	-25	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
40a	5	2307.5	2312.5	0.1114	0.0027	ppm	4M54G7D	/	20.47
40a	5	2307.5	2312.5	0.0904	0.0024	ppm	4M59W7D	/	19.56
40a	10	2310	2310	0.1452	0.0036	ppm	9M09G7D	/	21.62
40a	10	2310	2310	0.0993	0.0021	ppm	9M06W7D	/	19.97

7.1.2 Form731_EIRP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
40a	5	2307.5	2312.5	0.1667	0.0027	ppm	4M54G7D	/	22.22
40a	5	2307.5	2312.5	0.1352	0.0024	ppm	4M59W7D	/	21.31
40a	10	2310	2310	0.2173	0.0036	ppm	9M09G7D	/	23.37
40a	10	2310	2310	0.1486	0.0021	ppm	9M06W7D	/	21.72