

**1. Effective (Isotropic) Radiated Power Output Data**
**1.1 B40a\_5MHz\_EIRP**
**1.1.1 Test Result**

Band: 40a / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2307.5	1	0	18.38	3.47	21.85	<=23.98	Pass		
			13	19.32	3.47	22.79	<=23.98	Pass		
			24	18.23	3.47	21.70	<=23.98	Pass		
		12	0	18.70	3.47	22.17	<=23.98	Pass		
			6	19.17	3.47	22.64	<=23.98	Pass		
			13	18.59	3.47	22.06	<=23.98	Pass		
		25	0	18.64	3.47	22.11	<=23.98	Pass		
		2310	1	0	18.29	3.47	21.76	<=23.98	Pass	
				13	19.06	3.47	22.53	<=23.98	Pass	
	24			17.93	3.47	21.40	<=23.98	Pass		
	12		0	18.62	3.47	22.09	<=23.98	Pass		
			6	19.10	3.47	22.57	<=23.98	Pass		
			13	18.43	3.47	21.90	<=23.98	Pass		
	25		0	18.44	3.47	21.91	<=23.98	Pass		
	2312.5		1	0	18.28	3.47	21.75	<=23.98	Pass	
				13	18.95	3.47	22.42	<=23.98	Pass	
		24		18.01	3.47	21.48	<=23.98	Pass		
		12	0	18.43	3.47	21.90	<=23.98	Pass		
			6	18.87	3.47	22.34	<=23.98	Pass		
			13	18.31	3.47	21.78	<=23.98	Pass		
		25	0	18.38	3.47	21.85	<=23.98	Pass		
		16QAM	2307.5	1	0	18.48	3.47	21.95	<=23.98	Pass
					13	18.67	3.47	22.14	<=23.98	Pass
	24				17.87	3.47	21.34	<=23.98	Pass	
12	0			18.56	3.47	22.03	<=23.98	Pass		
	6			18.89	3.47	22.36	<=23.98	Pass		
	13			18.48	3.47	21.95	<=23.98	Pass		
25	0			18.49	3.47	21.96	<=23.98	Pass		
2310	1			0	18.34	3.47	21.81	<=23.98	Pass	
				13	19.14	3.47	22.61	<=23.98	Pass	
			24	18.05	3.47	21.52	<=23.98	Pass		
	12		0	18.59	3.47	22.06	<=23.98	Pass		
			6	18.78	3.47	22.25	<=23.98	Pass		
			13	18.45	3.47	21.92	<=23.98	Pass		
	25		0	18.50	3.47	21.97	<=23.98	Pass		
	2312.5		1	0	18.29	3.47	21.76	<=23.98	Pass	
				13	18.69	3.47	22.16	<=23.98	Pass	
24				18.05	3.47	21.52	<=23.98	Pass		
12			0	18.37	3.47	21.84	<=23.98	Pass		
			6	18.51	3.47	21.98	<=23.98	Pass		
			13	18.18	3.47	21.65	<=23.98	Pass		
25			0	18.27	3.47	21.74	<=23.98	Pass		
64QAM			2307.5	1	0	18.66	3.47	22.13	<=23.98	Pass
					13	19.33	3.47	22.80	<=23.98	Pass
	24				18.12	3.47	21.59	<=23.98	Pass	
	12	0		18.56	3.47	22.03	<=23.98	Pass		
		6		18.96	3.47	22.43	<=23.98	Pass		

	2310	25	13	18.51	3.47	21.98	<=23.98	Pass	
			0	18.54	3.47	22.01	<=23.98	Pass	
		1	0	13	17.97	3.47	21.44	<=23.98	Pass
	13			19.03	3.47	22.50	<=23.98	Pass	
	24			17.93	3.47	21.40	<=23.98	Pass	
	12	0	13	18.53	3.47	22.00	<=23.98	Pass	
			6	18.83	3.47	22.30	<=23.98	Pass	
			13	18.40	3.47	21.87	<=23.98	Pass	
	25	0	13	18.44	3.47	21.91	<=23.98	Pass	
			0	17.73	3.47	21.20	<=23.98	Pass	
			13	18.61	3.47	22.08	<=23.98	Pass	
	2312.5	1	24	0	17.95	3.47	21.42	<=23.98	Pass
				0	18.25	3.47	21.72	<=23.98	Pass
				6	18.63	3.47	22.10	<=23.98	Pass
		12	13	0	18.10	3.47	21.57	<=23.98	Pass
				0	18.15	3.47	21.62	<=23.98	Pass
				0	18.15	3.47	21.62	<=23.98	Pass

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B40a\_10MHz\_EIRP

### 1.2.1 Test Result

Band: 40a / Bandwidth: 10MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2310	1	0	18.56	3.47	22.03	<=23.98	Pass	
			25	19.04	3.47	22.51	<=23.98	Pass	
			49	18.16	3.47	21.63	<=23.98	Pass	
		25	0	13	18.72	3.47	22.19	<=23.98	Pass
				13	18.95	3.47	22.42	<=23.98	Pass
				25	18.44	3.47	21.91	<=23.98	Pass
		50	0	13	18.54	3.47	22.01	<=23.98	Pass
				0	18.59	3.47	22.06	<=23.98	Pass
				25	18.94	3.47	22.41	<=23.98	Pass
16QAM	2310	1	49	18.01	3.47	21.48	<=23.98	Pass	
			0	18.53	3.47	22.00	<=23.98	Pass	
			13	18.66	3.47	22.13	<=23.98	Pass	
		25	25	13	18.40	3.47	21.87	<=23.98	Pass
				25	18.40	3.47	21.87	<=23.98	Pass
				0	18.48	3.47	21.95	<=23.98	Pass
64QAM	2310	1	0	17.86	3.47	21.33	<=23.98	Pass	
			25	18.19	3.47	21.66	<=23.98	Pass	
			49	18.30	3.47	21.77	<=23.98	Pass	
		25	0	13	18.57	3.47	22.04	<=23.98	Pass
				13	18.65	3.47	22.12	<=23.98	Pass
				25	18.36	3.47	21.83	<=23.98	Pass
		50	0	13	18.36	3.47	21.83	<=23.98	Pass
				0	18.41	3.47	21.88	<=23.98	Pass
				0	18.41	3.47	21.88	<=23.98	Pass

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 B40a\_5MHz

#### 2.1.1 Test Result

Band: 40a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	102	3.948	0.0017	-2.5 to 2.5	Pass
					120	4.606	0.0020	-2.5 to 2.5	Pass
					138	6.452	0.0028	-2.5 to 2.5	Pass
				-30	120	4.764	0.0021	-2.5 to 2.5	Pass
				-20	120	4.392	0.0019	-2.5 to 2.5	Pass
				-10	120	9.542	0.0041	-2.5 to 2.5	Pass
				0	120	12.059	0.0052	-2.5 to 2.5	Pass
				10	120	3.133	0.0014	-2.5 to 2.5	Pass
				30	120	14.334	0.0062	-2.5 to 2.5	Pass
				40	120	7.610	0.0033	-2.5 to 2.5	Pass
	50	120	13.375	0.0058	-2.5 to 2.5	Pass			
	2310	25	0	20	102	6.437	0.0028	-2.5 to 2.5	Pass
					120	6.623	0.0029	-2.5 to 2.5	Pass
					138	8.225	0.0036	-2.5 to 2.5	Pass
				-30	120	3.262	0.0014	-2.5 to 2.5	Pass
				-20	120	1.245	0.0005	-2.5 to 2.5	Pass
				-10	120	0.114	0.0000	-2.5 to 2.5	Pass
				0	120	-0.472	-0.0002	-2.5 to 2.5	Pass
				10	120	9.484	0.0041	-2.5 to 2.5	Pass
				30	120	-2.131	-0.0009	-2.5 to 2.5	Pass
				40	120	-0.229	-0.0001	-2.5 to 2.5	Pass
	50	120	1.330	0.0006	-2.5 to 2.5	Pass			
	2312.5	25	0	20	102	4.492	0.0019	-2.5 to 2.5	Pass
					120	0.215	0.0001	-2.5 to 2.5	Pass
					138	3.219	0.0014	-2.5 to 2.5	Pass
				-30	120	2.804	0.0012	-2.5 to 2.5	Pass
				-20	120	8.984	0.0039	-2.5 to 2.5	Pass
				-10	120	3.104	0.0013	-2.5 to 2.5	Pass
				0	120	8.125	0.0035	-2.5 to 2.5	Pass
				10	120	9.284	0.0040	-2.5 to 2.5	Pass
30				120	8.483	0.0037	-2.5 to 2.5	Pass	
40				120	4.420	0.0019	-2.5 to 2.5	Pass	
50	120	2.317	0.0010	-2.5 to 2.5	Pass				
16QAM	2307.5	25	0	20	102	4.005	0.0017	-2.5 to 2.5	Pass
					120	9.642	0.0042	-2.5 to 2.5	Pass
					138	7.653	0.0033	-2.5 to 2.5	Pass
				-30	120	2.174	0.0009	-2.5 to 2.5	Pass
				-20	120	9.556	0.0041	-2.5 to 2.5	Pass
				-10	120	7.682	0.0033	-2.5 to 2.5	Pass
				0	120	10.715	0.0046	-2.5 to 2.5	Pass
				10	120	6.237	0.0027	-2.5 to 2.5	Pass
				30	120	-3.033	-0.0013	-2.5 to 2.5	Pass
				40	120	5.178	0.0022	-2.5 to 2.5	Pass
	50	120	6.566	0.0028	-2.5 to 2.5	Pass			
	2310	25	0	20	102	-6.137	-0.0027	-2.5 to 2.5	Pass
					120	-3.190	-0.0014	-2.5 to 2.5	Pass
					138	-0.830	-0.0004	-2.5 to 2.5	Pass
				-30	120	1.245	0.0005	-2.5 to 2.5	Pass
				-20	120	-4.678	-0.0020	-2.5 to 2.5	Pass
				-10	120	3.033	0.0013	-2.5 to 2.5	Pass
				0	120	3.061	0.0013	-2.5 to 2.5	Pass
				10	120	-1.001	-0.0004	-2.5 to 2.5	Pass
				30	120	-2.747	-0.0012	-2.5 to 2.5	Pass
40				120	-4.563	-0.0020	-2.5 to 2.5	Pass	
50	120	1.974	0.0009	-2.5 to 2.5	Pass				

	2312.5	25	0	20	102	2.489	0.0011	-2.5 to 2.5	Pass						
					120	3.219	0.0014	-2.5 to 2.5	Pass						
					138	3.233	0.0014	-2.5 to 2.5	Pass						
									-30	120	5.307	0.0023	-2.5 to 2.5	Pass	
									-20	120	8.311	0.0036	-2.5 to 2.5	Pass	
									-10	120	1.917	0.0008	-2.5 to 2.5	Pass	
									0	120	9.227	0.0040	-2.5 to 2.5	Pass	
									10	120	3.705	0.0016	-2.5 to 2.5	Pass	
									30	120	0.086	0.0000	-2.5 to 2.5	Pass	
									40	120	2.074	0.0009	-2.5 to 2.5	Pass	
50	120	1.774	0.0008	-2.5 to 2.5	Pass										
64QAM	2307.5	25	0	20	102	12.159	0.0053	-2.5 to 2.5	Pass						
					120	4.621	0.0020	-2.5 to 2.5	Pass						
					138	14.620	0.0063	-2.5 to 2.5	Pass						
									-30	120	5.636	0.0024	-2.5 to 2.5	Pass	
									-20	120	13.747	0.0060	-2.5 to 2.5	Pass	
									-10	120	12.045	0.0052	-2.5 to 2.5	Pass	
									0	120	12.403	0.0054	-2.5 to 2.5	Pass	
									10	120	3.076	0.0013	-2.5 to 2.5	Pass	
									30	120	11.487	0.0050	-2.5 to 2.5	Pass	
									40	120	1.545	0.0007	-2.5 to 2.5	Pass	
	50	120	4.721	0.0020	-2.5 to 2.5	Pass									
		2310	25	0	20	102	6.337	0.0027	-2.5 to 2.5	Pass					
						120	6.065	0.0026	-2.5 to 2.5	Pass					
						138	6.795	0.0029	-2.5 to 2.5	Pass					
										-30	120	6.709	0.0029	-2.5 to 2.5	Pass
										-20	120	-2.747	-0.0012	-2.5 to 2.5	Pass
										-10	120	-2.403	-0.0010	-2.5 to 2.5	Pass
										0	120	6.509	0.0028	-2.5 to 2.5	Pass
										10	120	2.346	0.0010	-2.5 to 2.5	Pass
										30	120	5.879	0.0025	-2.5 to 2.5	Pass
										40	120	4.950	0.0021	-2.5 to 2.5	Pass
	50	120	4.964	0.0021	-2.5 to 2.5	Pass									
		2312.5	25	0	20	102	2.904	0.0013	-2.5 to 2.5	Pass					
						120	8.526	0.0037	-2.5 to 2.5	Pass					
						138	8.626	0.0037	-2.5 to 2.5	Pass					
										-30	120	3.705	0.0016	-2.5 to 2.5	Pass
										-20	120	3.705	0.0016	-2.5 to 2.5	Pass
										-10	120	8.426	0.0036	-2.5 to 2.5	Pass
0										120	9.212	0.0040	-2.5 to 2.5	Pass	
10										120	10.843	0.0047	-2.5 to 2.5	Pass	
30										120	3.691	0.0016	-2.5 to 2.5	Pass	
40										120	5.007	0.0022	-2.5 to 2.5	Pass	
50	120	3.405	0.0015	-2.5 to 2.5	Pass										

## 2.2 B40a\_10MHz

### 2.2.1 Test Result

Band: 40a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20		3.734	0.0016	-2.5 to 2.5	Pass
						-3.891	-0.0017	-2.5 to 2.5	Pass
						6.623	0.0029	-2.5 to 2.5	Pass

				-30	120	-3.262	-0.0014	-2.5 to 2.5	Pass
				-20	120	3.061	0.0013	-2.5 to 2.5	Pass
				-10	120	3.061	0.0013	-2.5 to 2.5	Pass
				0	120	-3.490	-0.0015	-2.5 to 2.5	Pass
				10	120	-2.446	-0.0011	-2.5 to 2.5	Pass
				30	120	4.177	0.0018	-2.5 to 2.5	Pass
				40	120	3.419	0.0015	-2.5 to 2.5	Pass
				50	120	3.548	0.0015	-2.5 to 2.5	Pass
16QAM	2310	50	0	20	102	-3.490	-0.0015	-2.5 to 2.5	Pass
					120	-6.838	-0.0030	-2.5 to 2.5	Pass
					138	-4.606	-0.0020	-2.5 to 2.5	Pass
				-30	120	-2.961	-0.0013	-2.5 to 2.5	Pass
				-20	120	-2.074	-0.0009	-2.5 to 2.5	Pass
				-10	120	-1.516	-0.0007	-2.5 to 2.5	Pass
				0	120	-3.819	-0.0017	-2.5 to 2.5	Pass
				10	120	-4.063	-0.0018	-2.5 to 2.5	Pass
				30	120	-2.818	-0.0012	-2.5 to 2.5	Pass
				40	120	-4.549	-0.0020	-2.5 to 2.5	Pass
				50	120	-7.868	-0.0034	-2.5 to 2.5	Pass
				64QAM	2310	50	0	20	102
120	2.389	0.0010	-2.5 to 2.5						Pass
138	4.091	0.0018	-2.5 to 2.5						Pass
-30	120	-0.844	-0.0004					-2.5 to 2.5	Pass
-20	120	2.174	0.0009					-2.5 to 2.5	Pass
-10	120	4.907	0.0021					-2.5 to 2.5	Pass
0	120	2.589	0.0011					-2.5 to 2.5	Pass
10	120	-4.392	-0.0019					-2.5 to 2.5	Pass
30	120	4.220	0.0018					-2.5 to 2.5	Pass
40	120	-1.860	-0.0008					-2.5 to 2.5	Pass
50	120	-3.490	-0.0015					-2.5 to 2.5	Pass

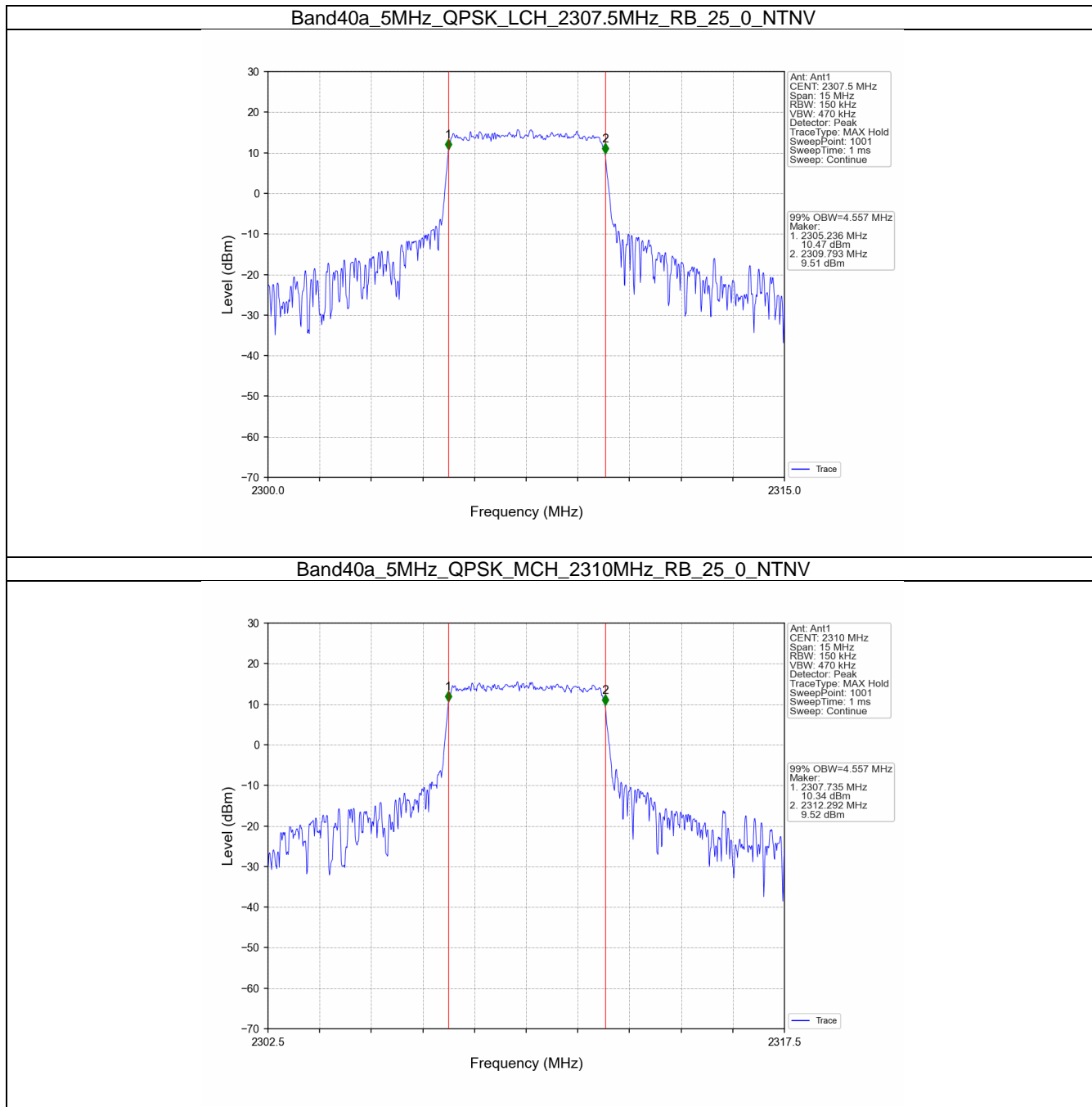
### 3. 99% & 26dB Bandwidth

#### 3.1 Band40a\_OBW

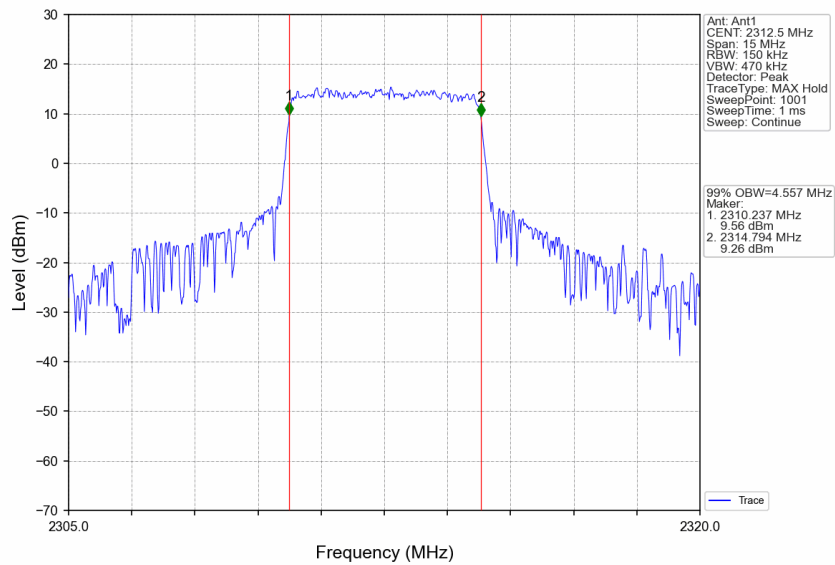
##### 3.1.1 Test Result

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	4.557	/	Pass
		2310	25	0	4.557	/	Pass
		2312.5	25	0	4.557	/	Pass
	16QAM	2307.5	25	0	4.537	/	Pass
		2310	25	0	4.531	/	Pass
		2312.5	25	0	4.535	/	Pass
	64QAM	2307.5	25	0	4.542	/	Pass
		2310	25	0	4.560	/	Pass
		2312.5	25	0	4.554	/	Pass
10	QPSK	2310	50	0	9.051	/	Pass
	16QAM	2310	50	0	9.040	/	Pass
	64QAM	2310	50	0	9.040	/	Pass

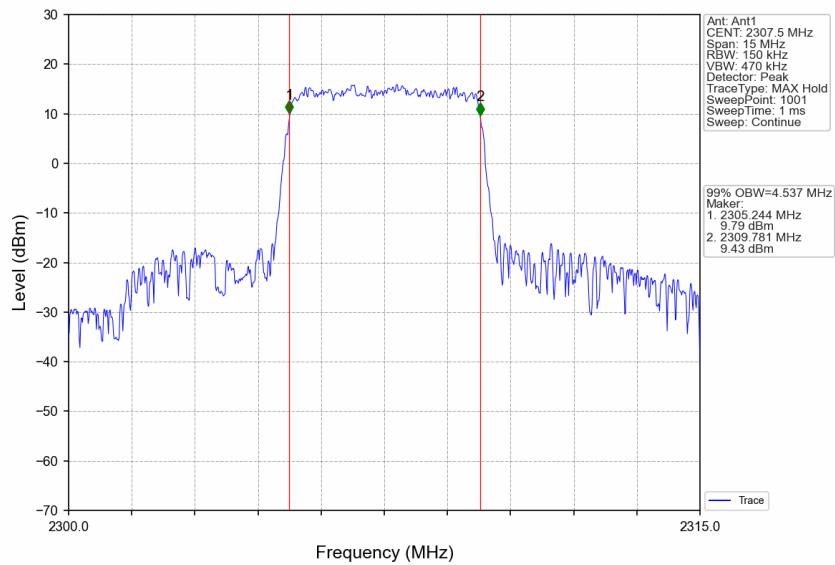
3.1.2 Test Graph



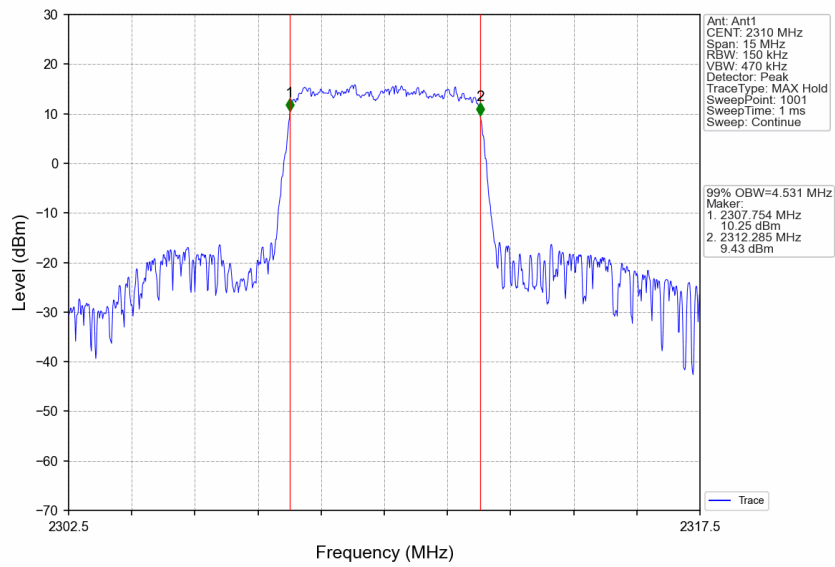
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



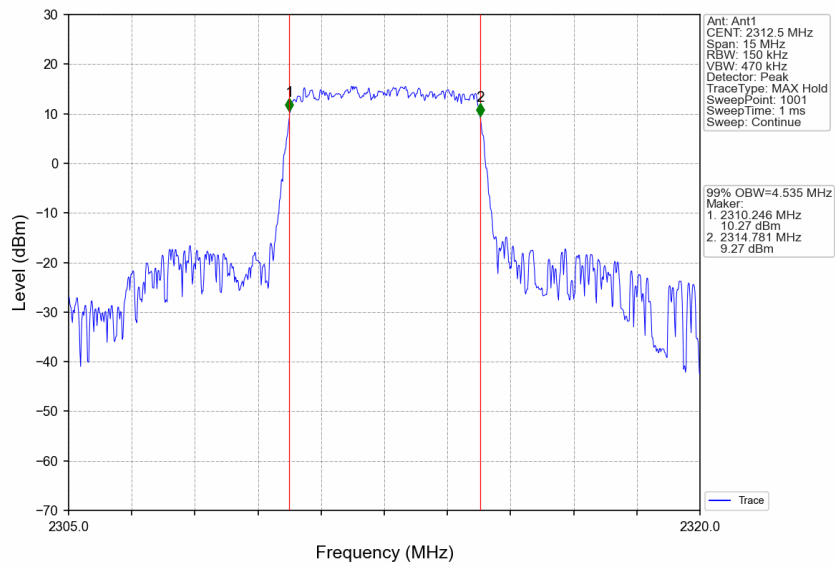
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV

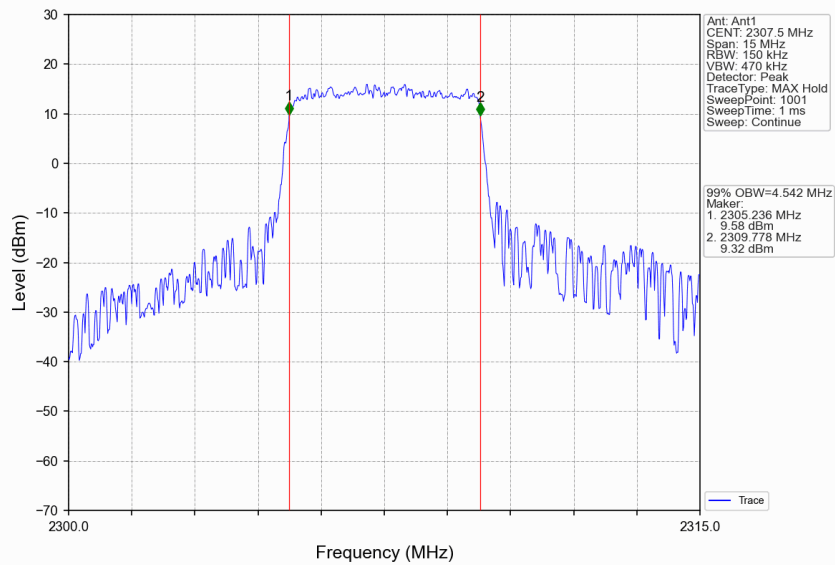


Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV

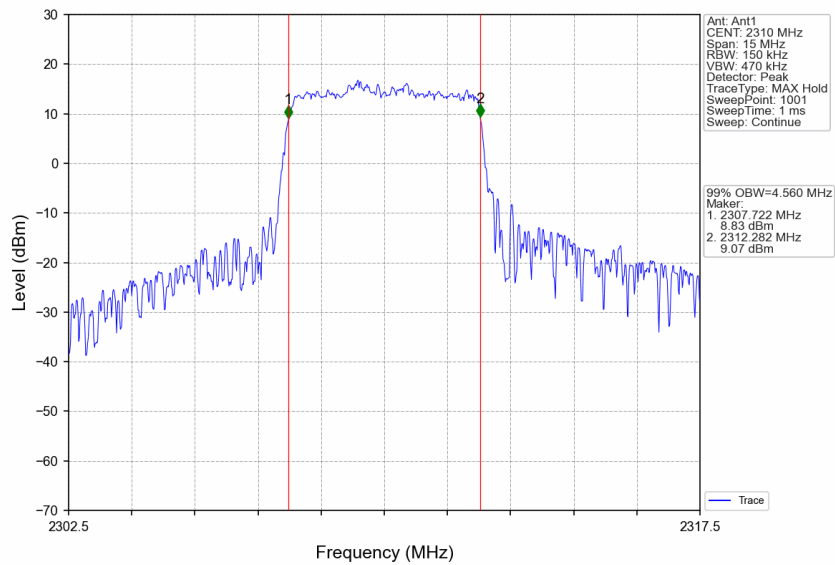




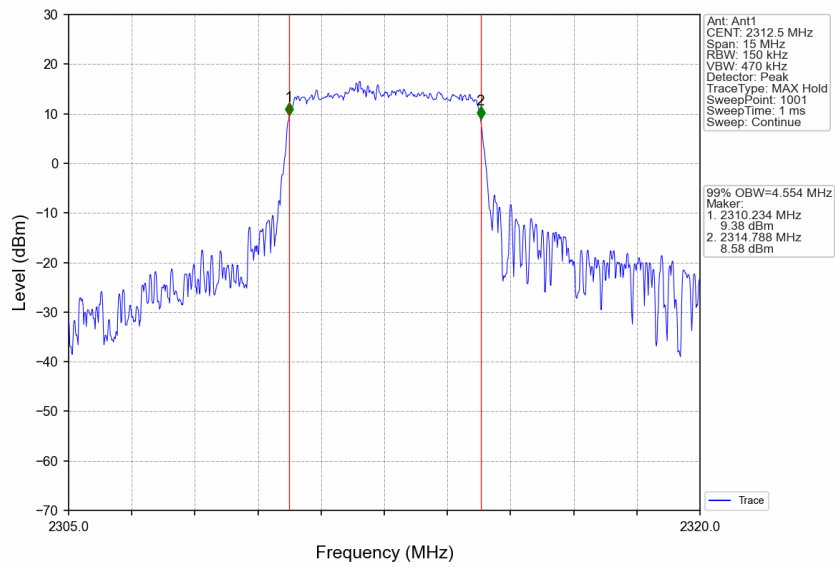
Band40a\_5MHz\_64QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



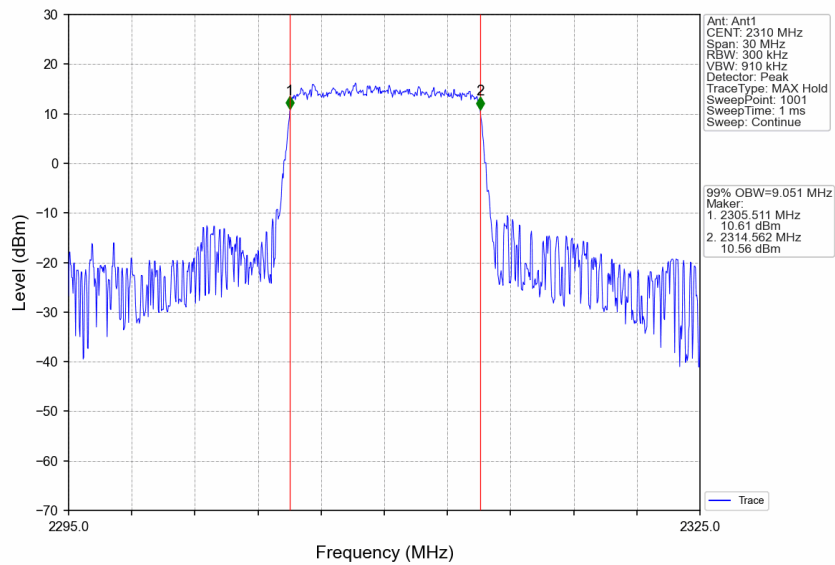
Band40a\_5MHz\_64QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV



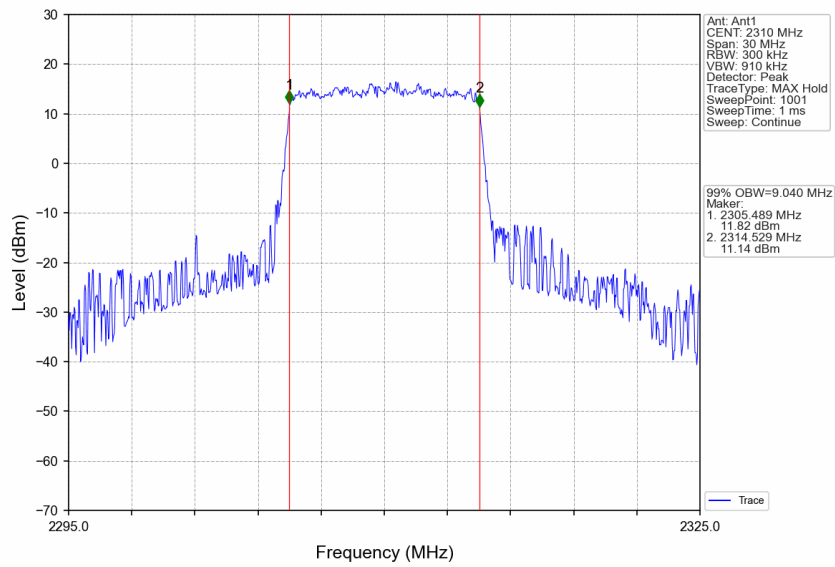
Band40a\_5MHz\_64QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



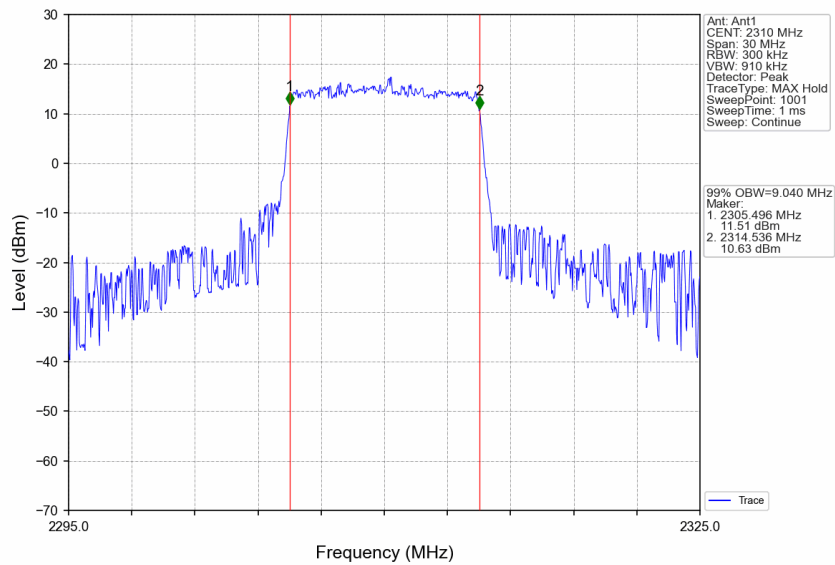
Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_50\_0\_NTNV



Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_50\_0\_NTNV



Band40a\_10MHz\_64QAM\_MCH\_2310MHz\_RB\_50\_0\_NTNV

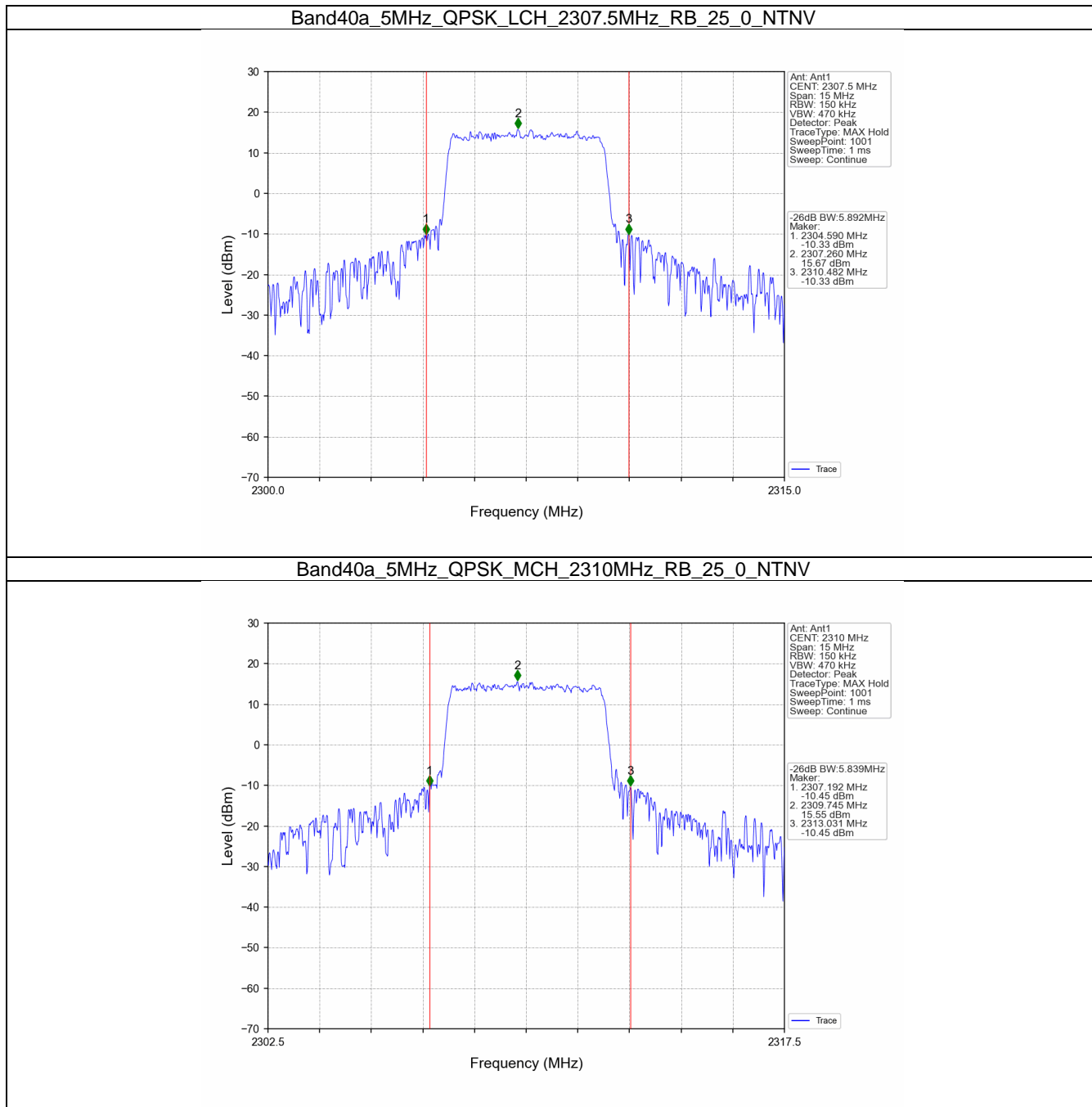


### 3.2 Band40a\_XDB

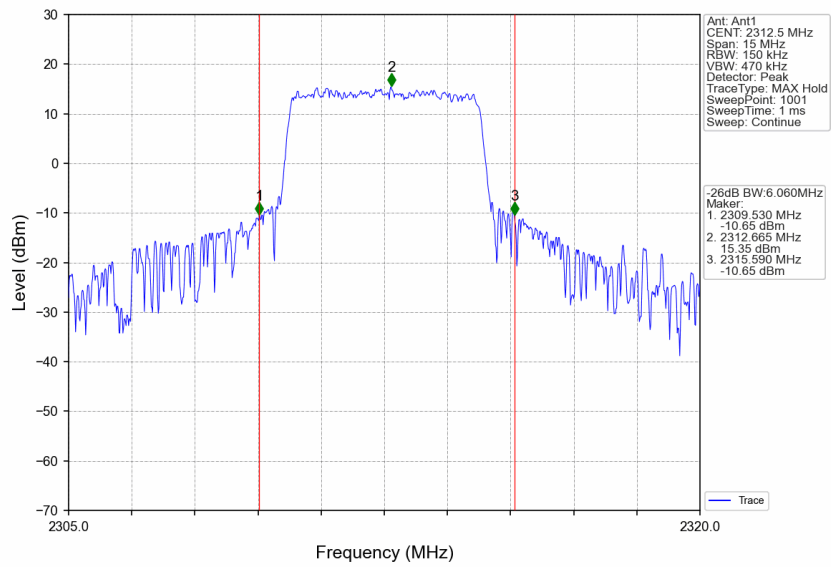
#### 3.2.1 Test Result

Band: 40a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	5.892	/	Pass
		2310	25	0	5.839	/	Pass
		2312.5	25	0	6.060	/	Pass
	16QAM	2307.5	25	0	5.050	/	Pass
		2310	25	0	5.057	/	Pass
		2312.5	25	0	5.075	/	Pass
	64QAM	2307.5	25	0	5.540	/	Pass
		2310	25	0	5.572	/	Pass
		2312.5	25	0	5.549	/	Pass
10	QPSK	2310	50	0	10.166	/	Pass
	16QAM	2310	50	0	10.202	/	Pass
	64QAM	2310	50	0	10.636	/	Pass

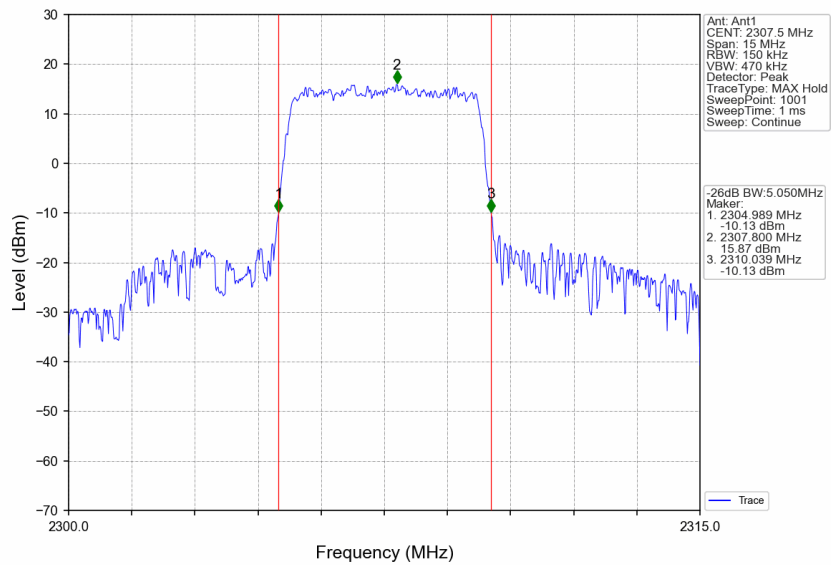
3.2.2 Test Graph



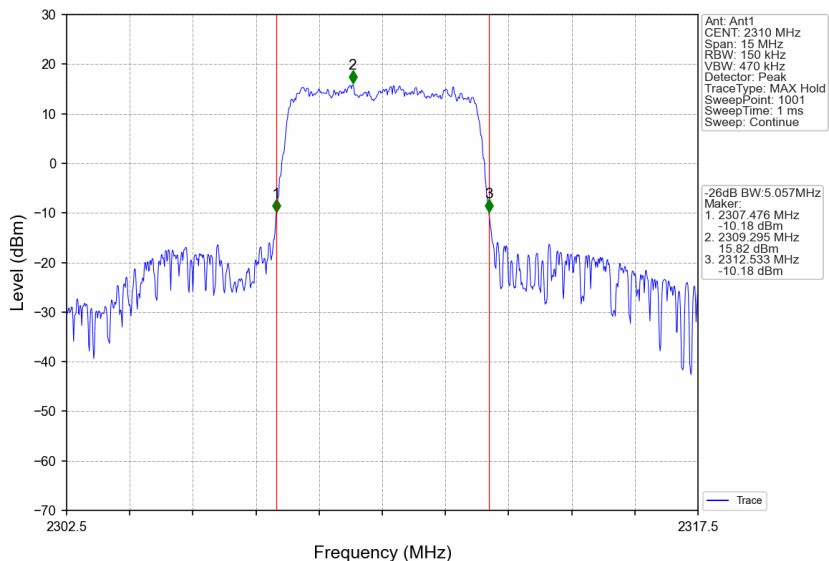
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



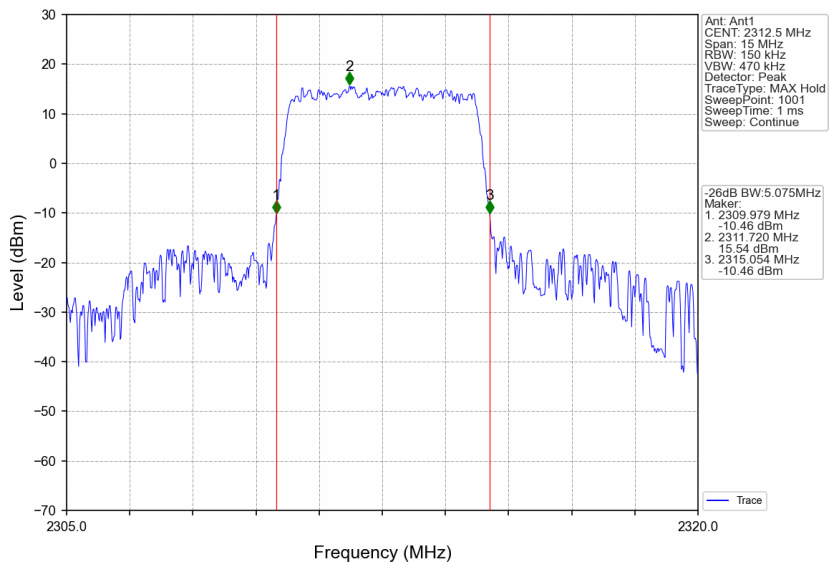
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



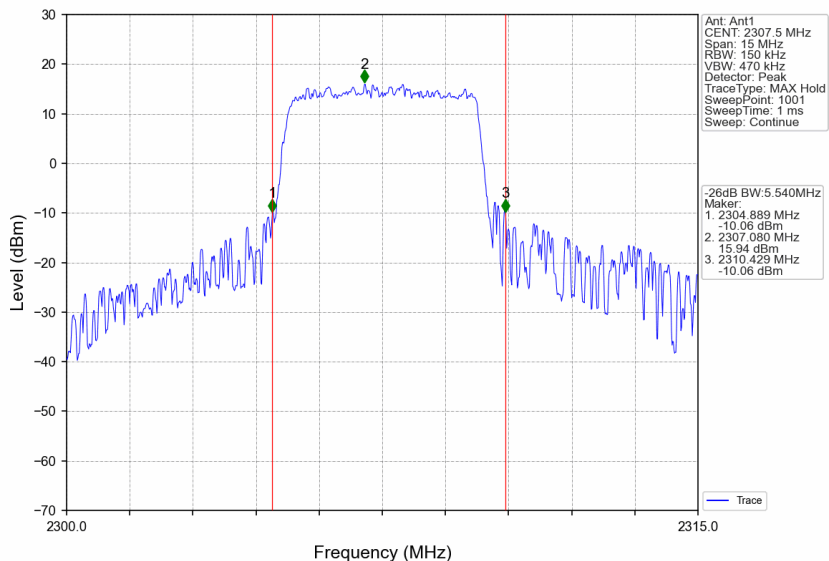
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV



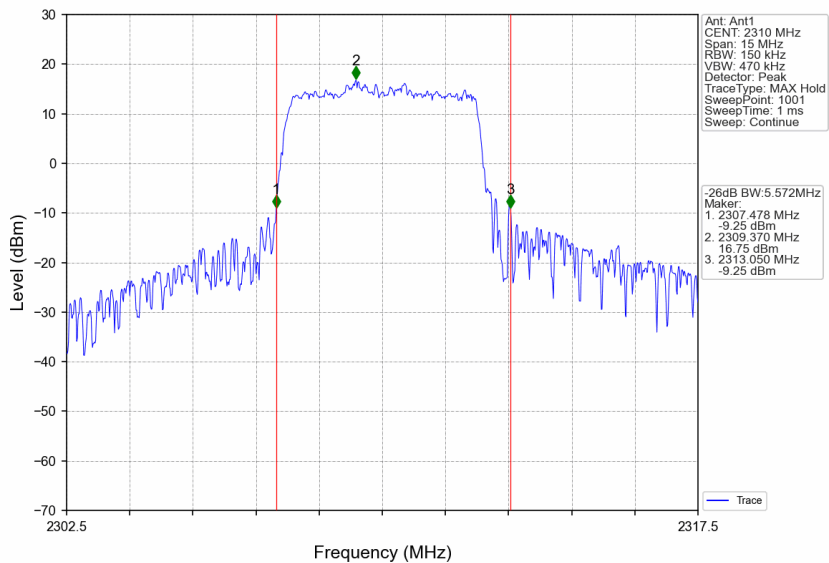
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



Band40a\_5MHz\_64QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV

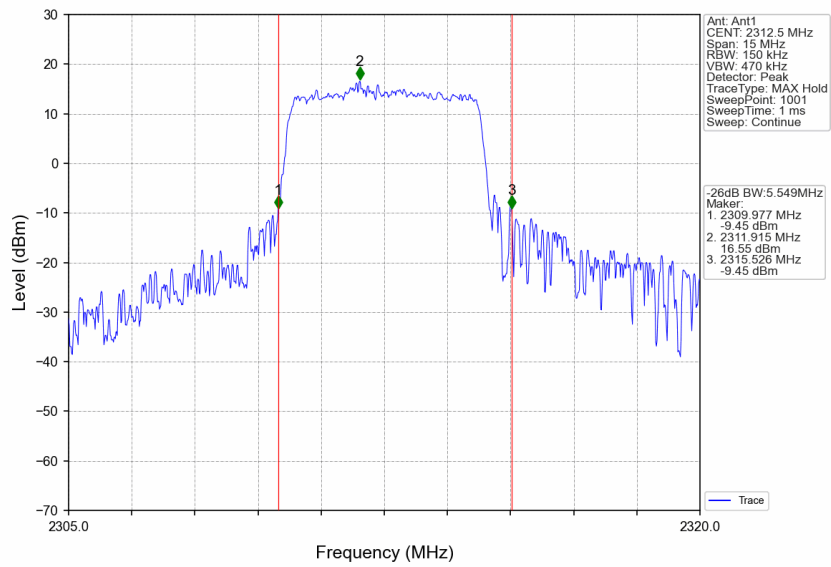


Band40a\_5MHz\_64QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV

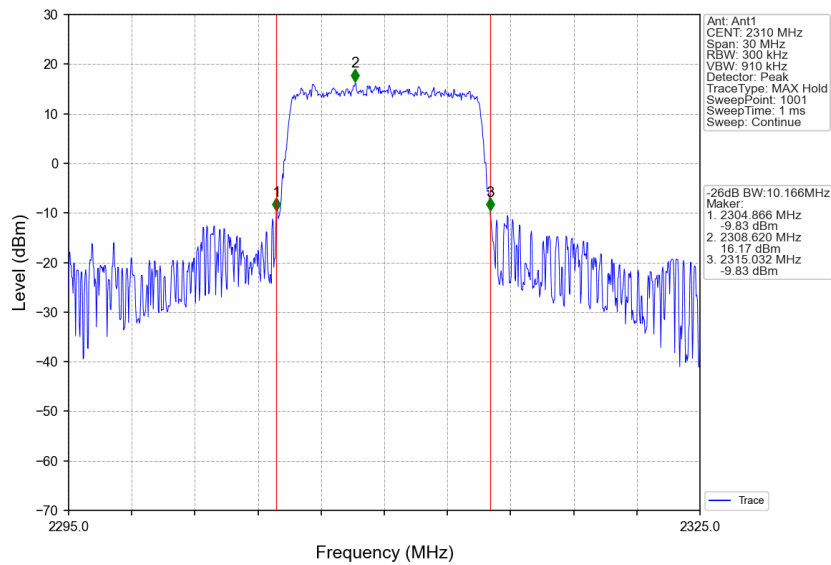




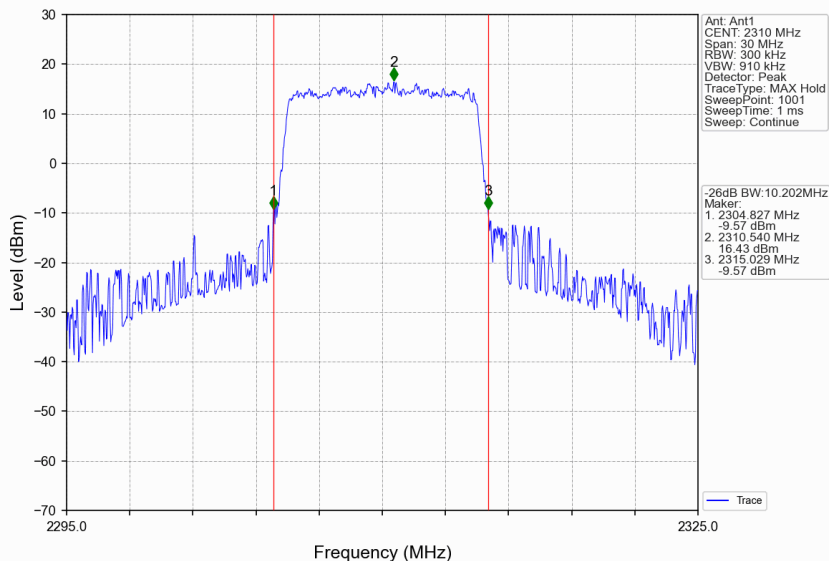
Band40a\_5MHz\_64QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



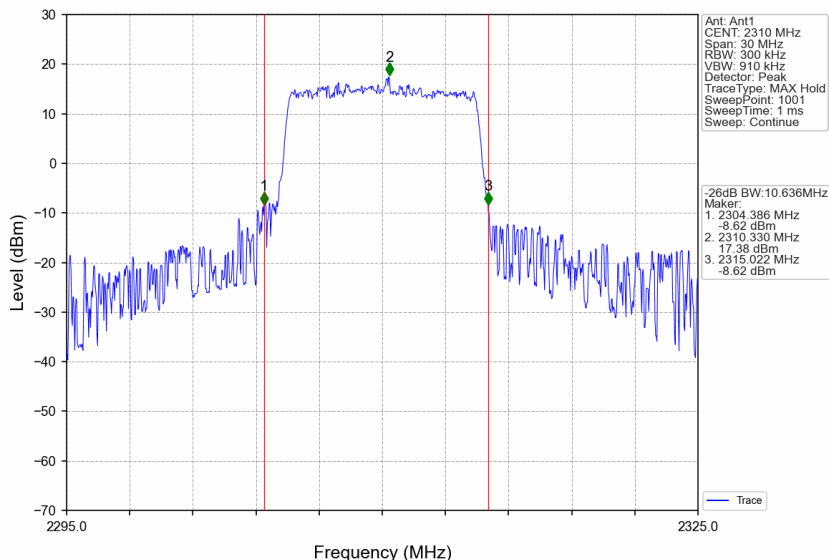
Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_50\_0\_NTNV



Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_50\_0\_NTNV



Band40a\_10MHz\_64QAM\_MCH\_2310MHz\_RB\_50\_0\_NTNV



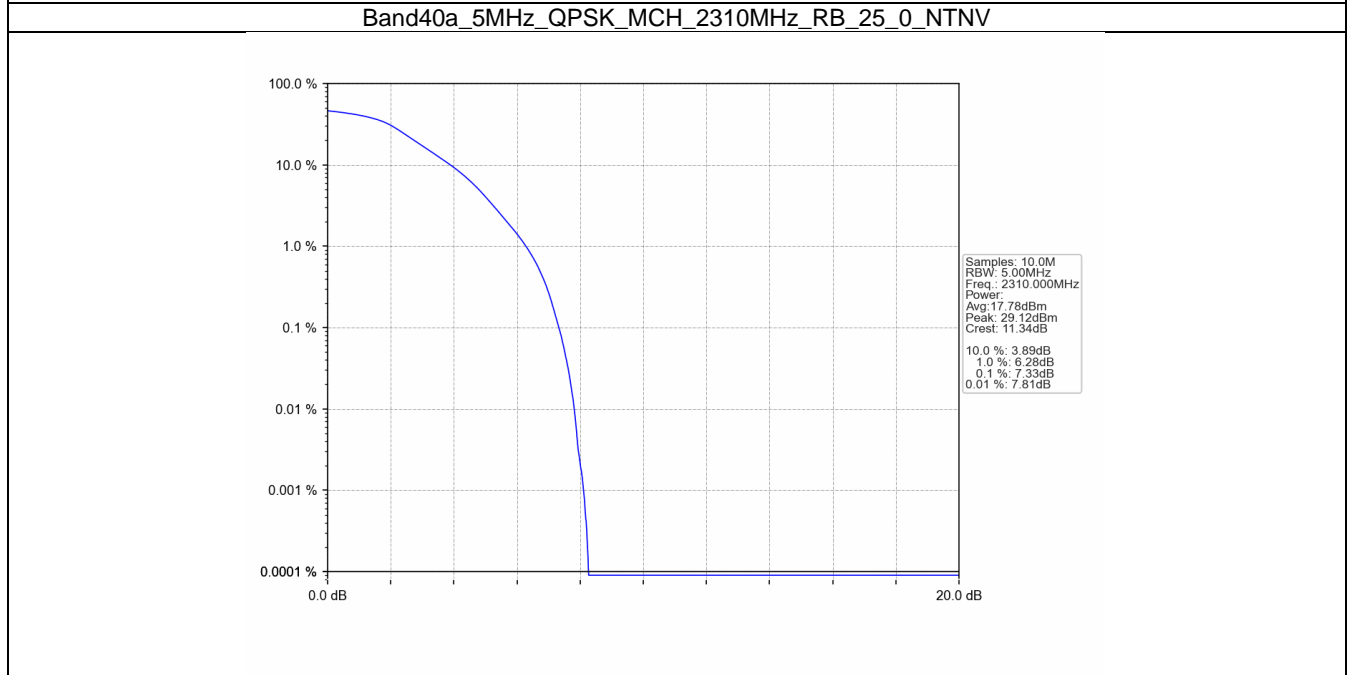
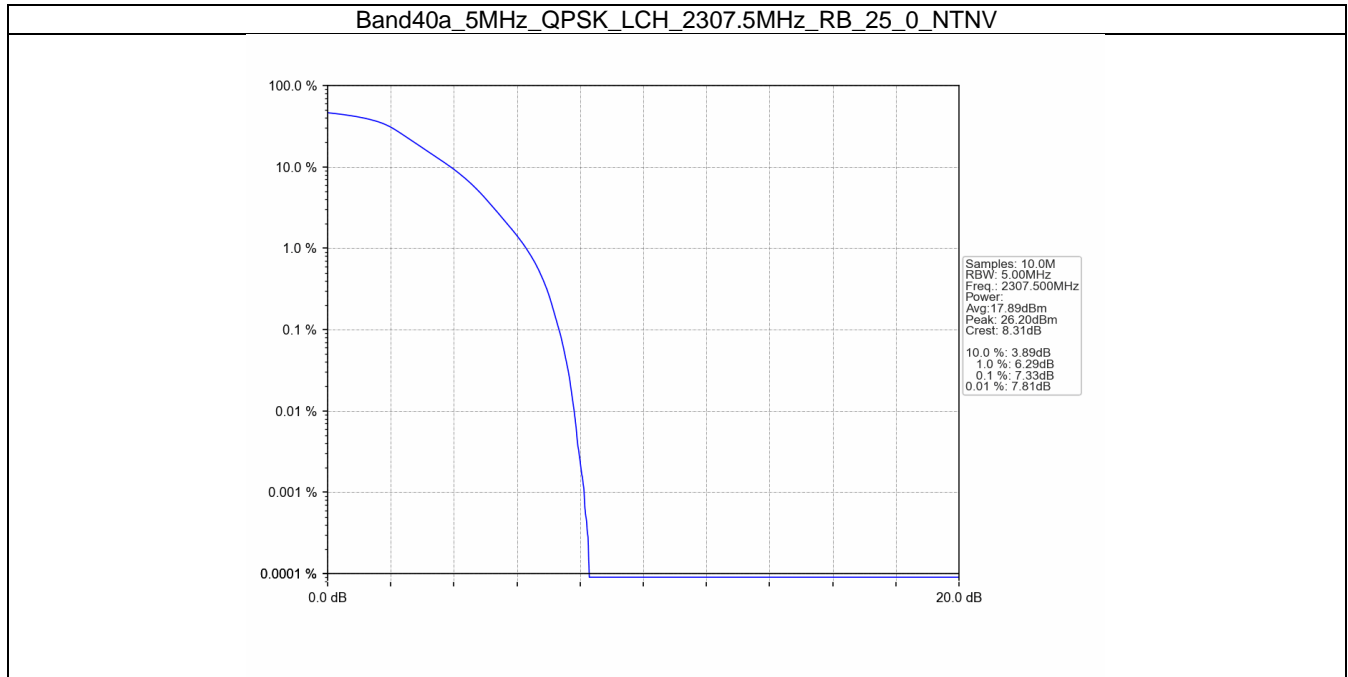
#### 4. Peak-Average Ratio

##### 4.1 B40a\_5MHz

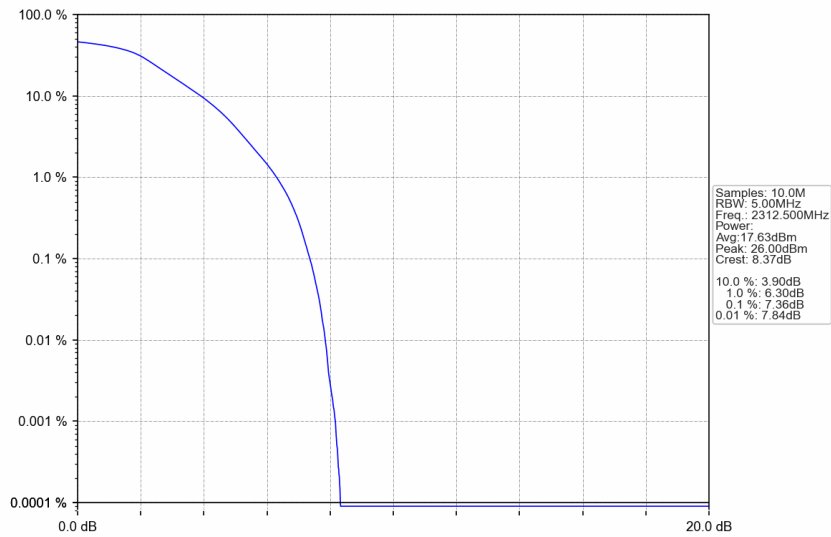
##### 4.1.1 Test Result

Band: 40a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	25	0	7.33	<=13	Pass
	2310	25	0	7.33	<=13	Pass
	2312.5	25	0	7.36	<=13	Pass
16QAM	2307.5	25	0	8.29	<=13	Pass
	2310	25	0	8.29	<=13	Pass
	2312.5	25	0	8.23	<=13	Pass
64QAM	2307.5	25	0	8.72	<=13	Pass
	2310	25	0	8.69	<=13	Pass
	2312.5	25	0	8.72	<=13	Pass

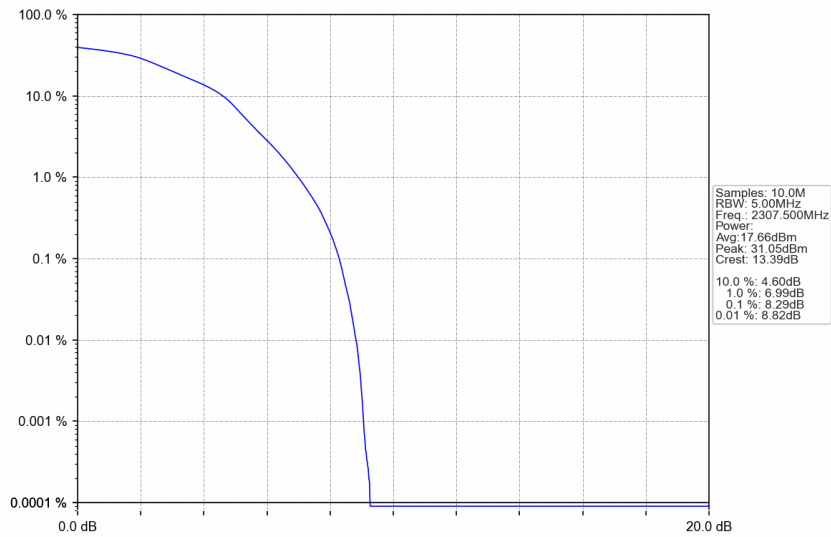
4.1.2 Test Graph



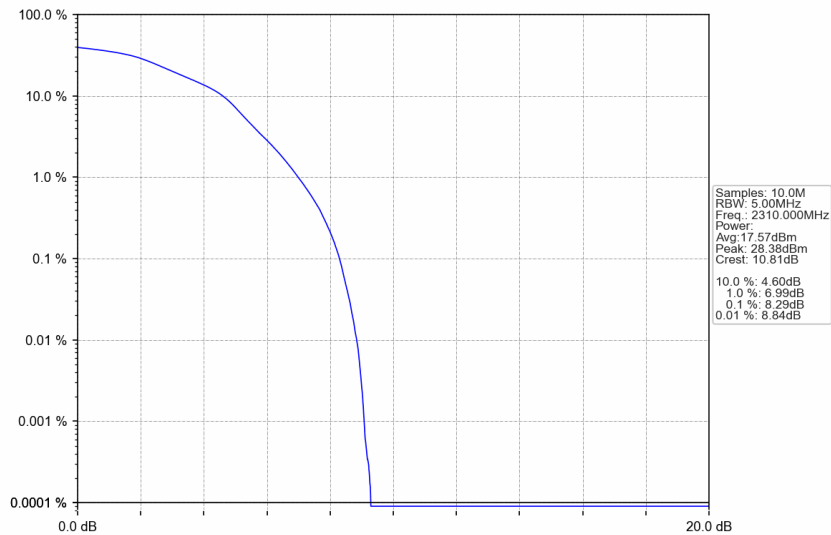
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



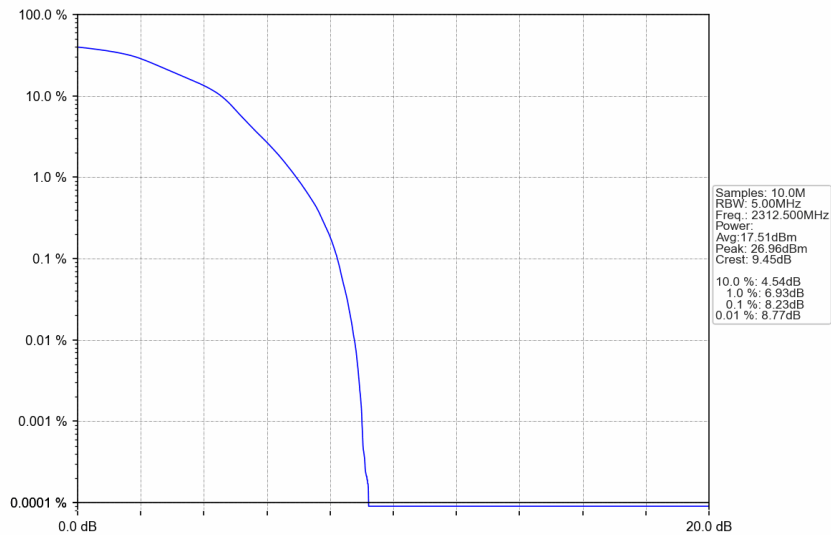
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



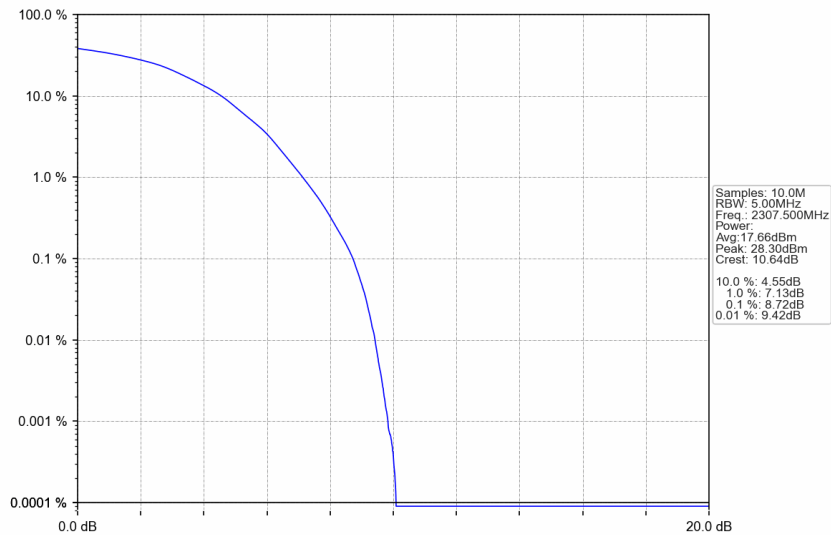
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV



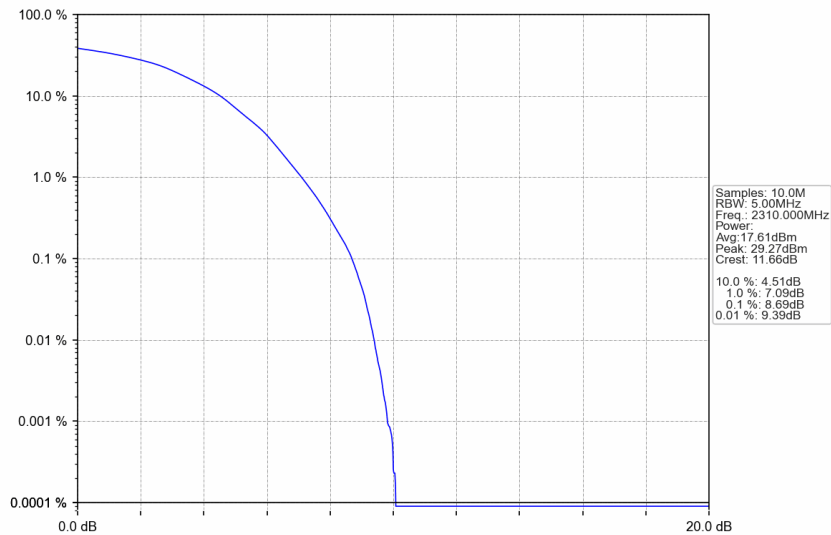
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



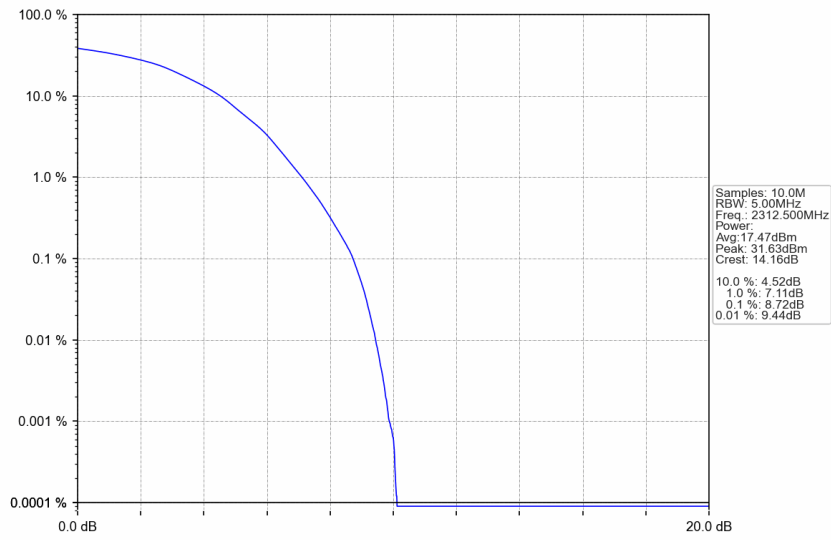
Band40a\_5MHz\_64QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



Band40a\_5MHz\_64QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV



Band40a\_5MHz\_64QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



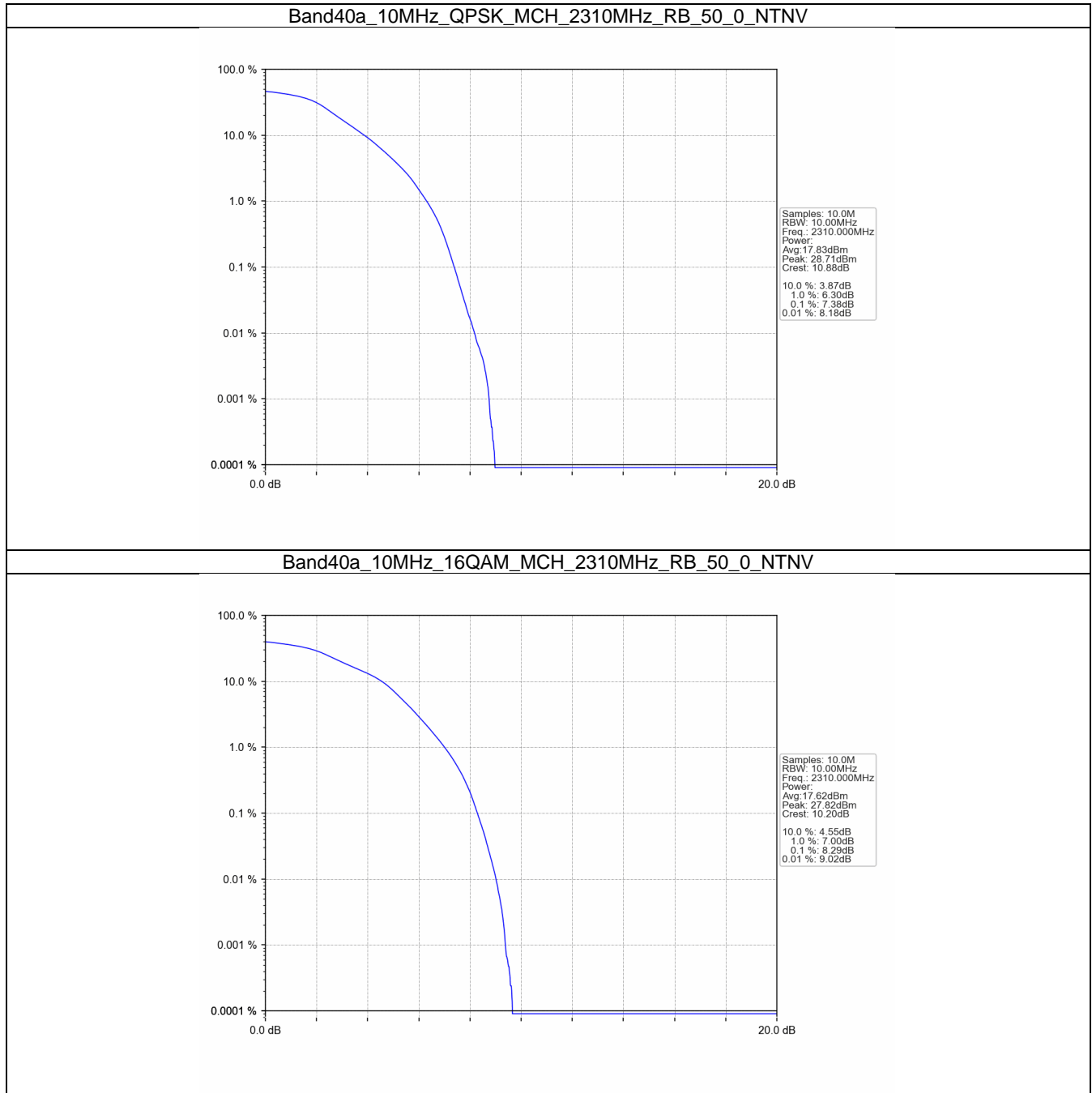


4.2 B40a\_10MHz

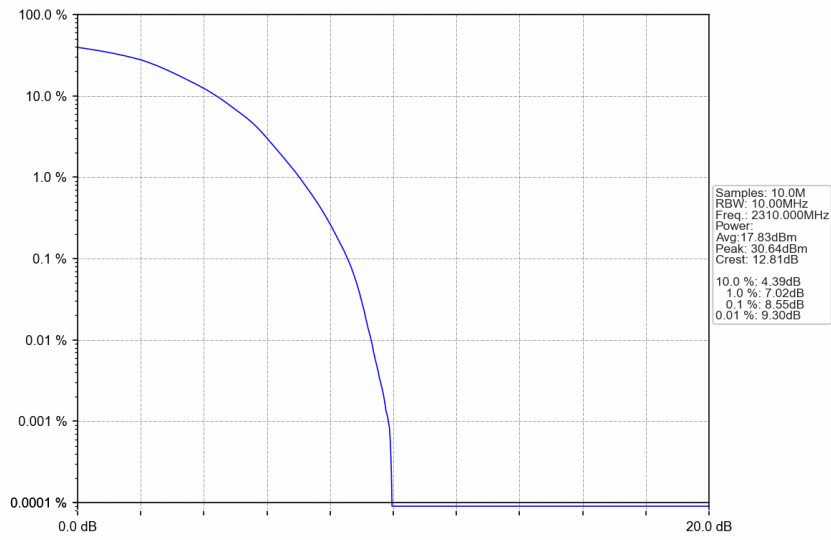
4.2.1 Test Result

Band: 40a / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	50	0	7.38	<=13	Pass
16QAM	2310	50	0	8.29	<=13	Pass
64QAM	2310	50	0	8.55	<=13	Pass

4.2.2 Test Graph



Band40a\_10MHz\_64QAM\_MCH\_2310MHz\_RB\_50\_0\_NTNV



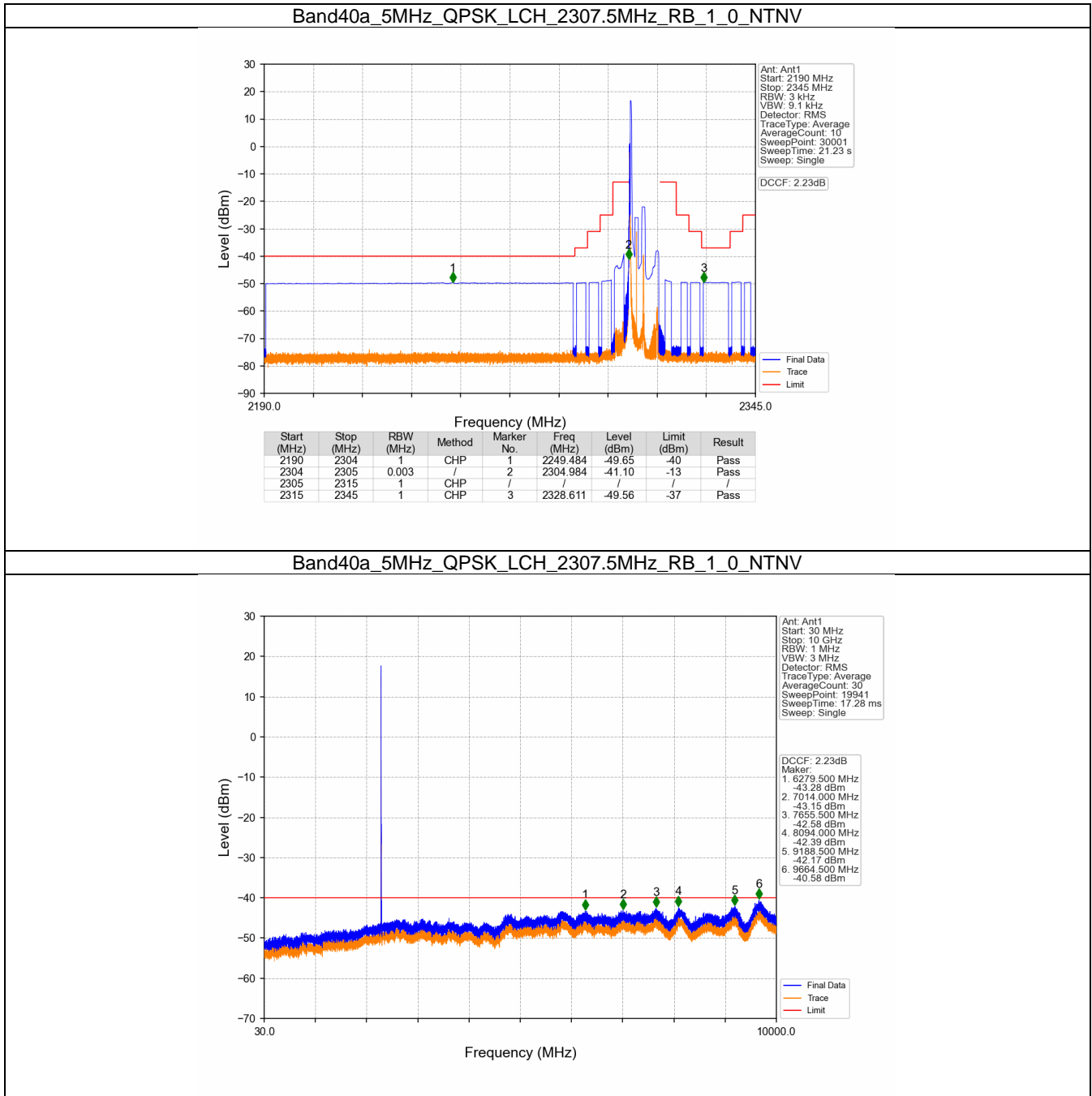
## 5. Spurious Emission

### 5.1 B40a\_5MHz

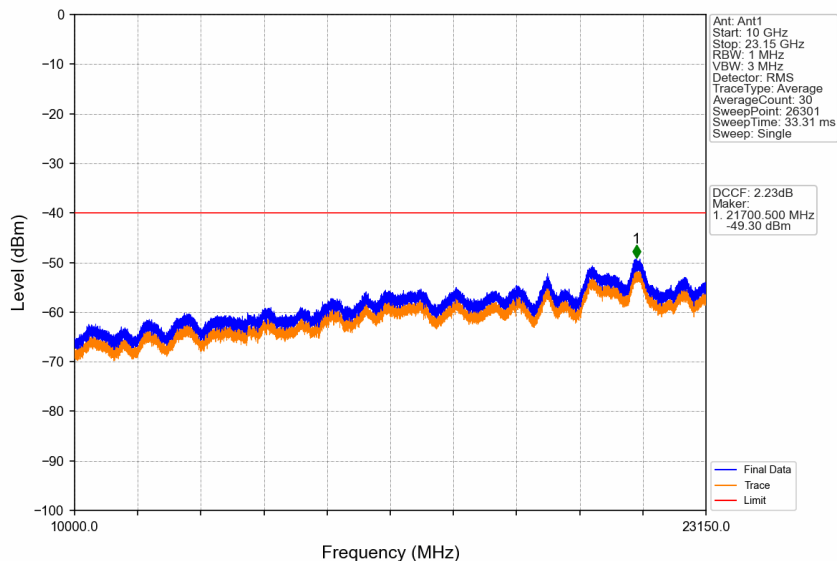
#### 5.1.1 Test Result

Band: 40a / Bandwidth: 5MHz / NTV						
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
	2312.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
	25	0	Refer To Test Graph		Pass	
			Refer To Test Graph		Pass	
16QAM	2307.5	1	0	Refer To Test Graph		Pass
		25	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	
			Refer To Test Graph		Pass	
64QAM	2307.5	1	0	Refer To Test Graph		Pass
		25	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	
			Refer To Test Graph		Pass	

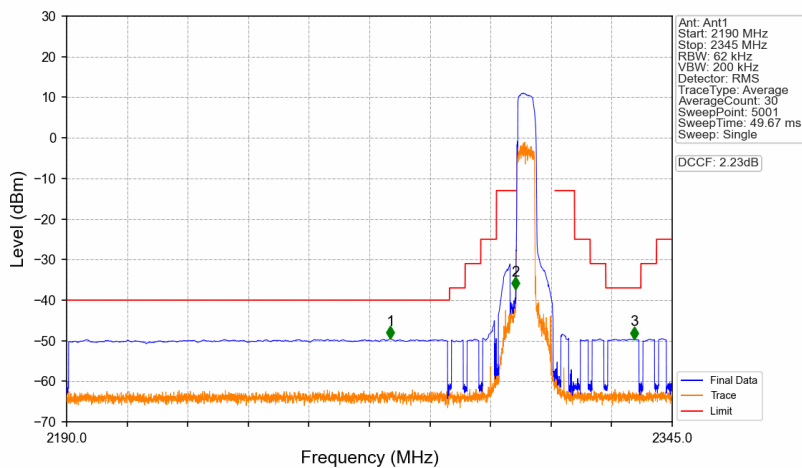
5.1.2 Test Graph



Band40a\_5MHz\_QPSK\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV

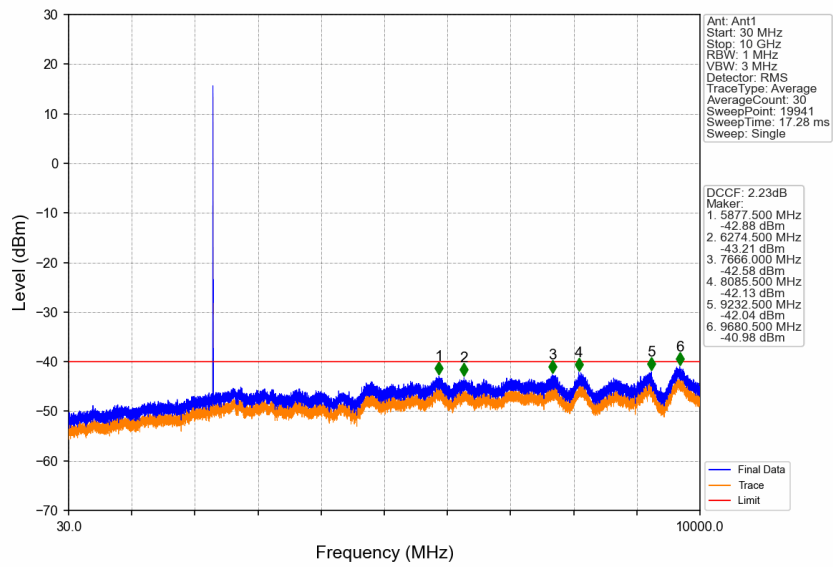


Band40a\_5MHz\_QPSK\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV

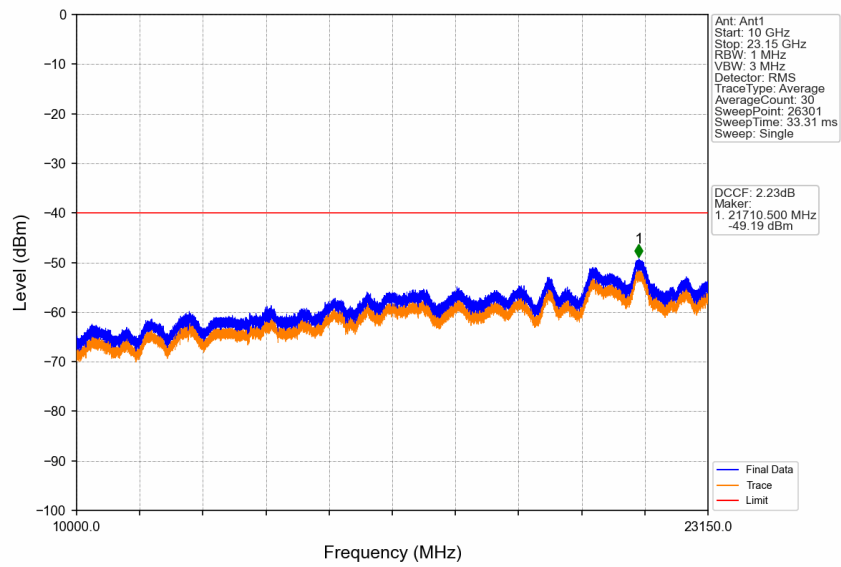


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2272.863	-49.54	-40	Pass
2304	2305	0.062	/	2	2304.948	-37.32	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2335.297	-49.63	-37	Pass

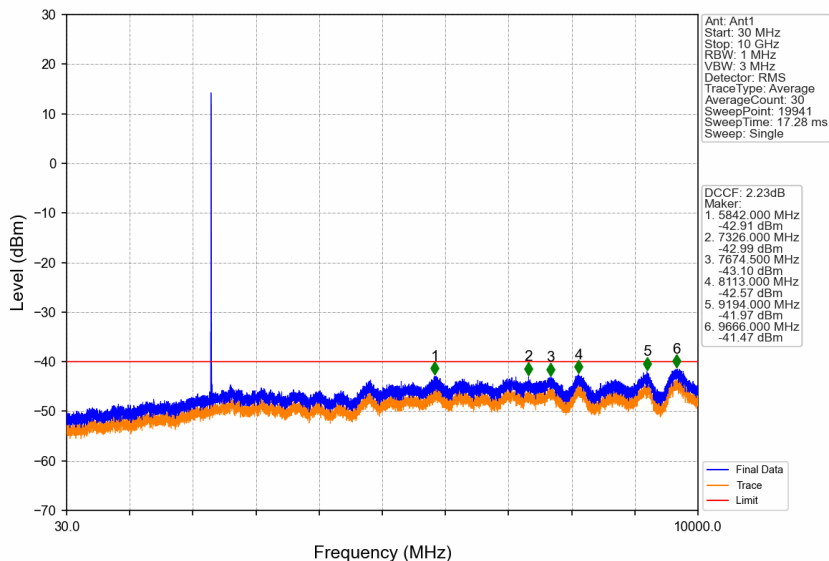
Band40a\_5MHz\_QPSK\_MCH\_2310MHz\_RB\_1\_0\_NTNV



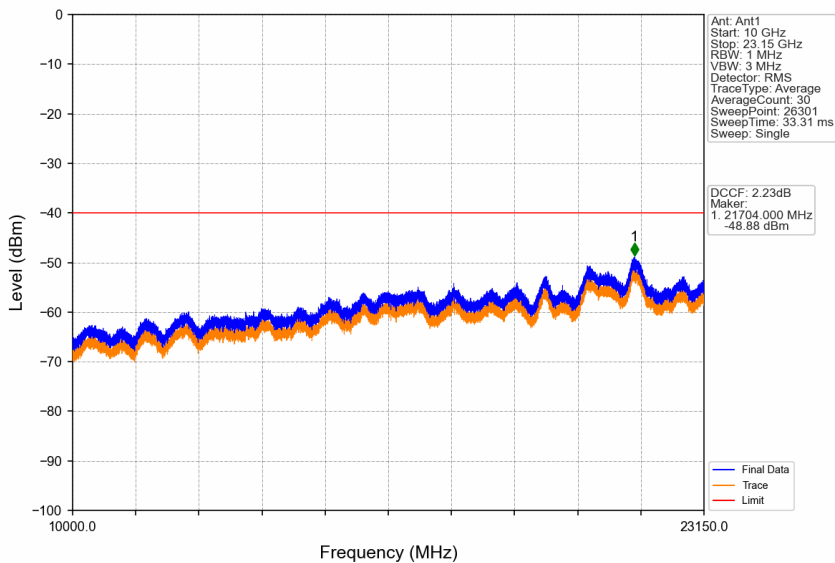
Band40a\_5MHz\_QPSK\_MCH\_2310MHz\_RB\_1\_0\_NTNV



Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV

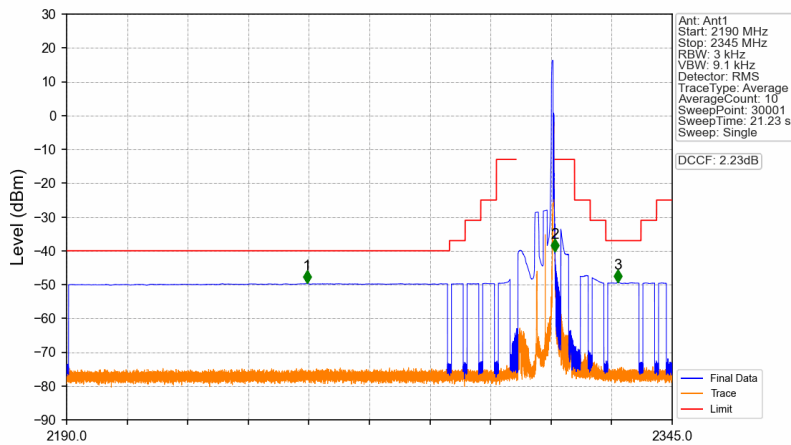


Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV



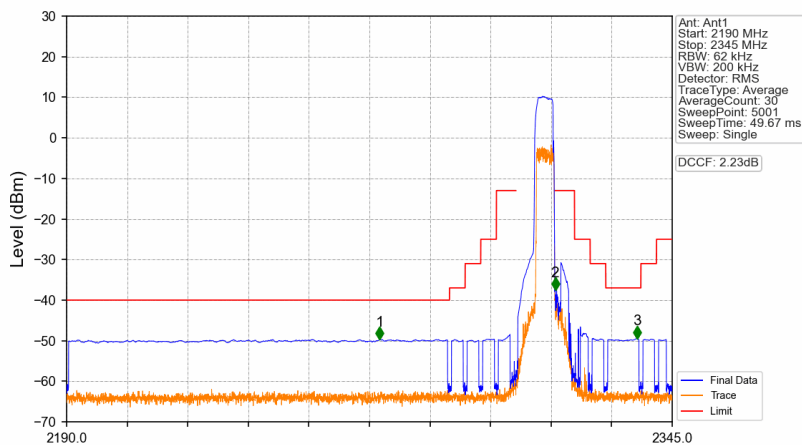


## Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_1\_24\_NTNV



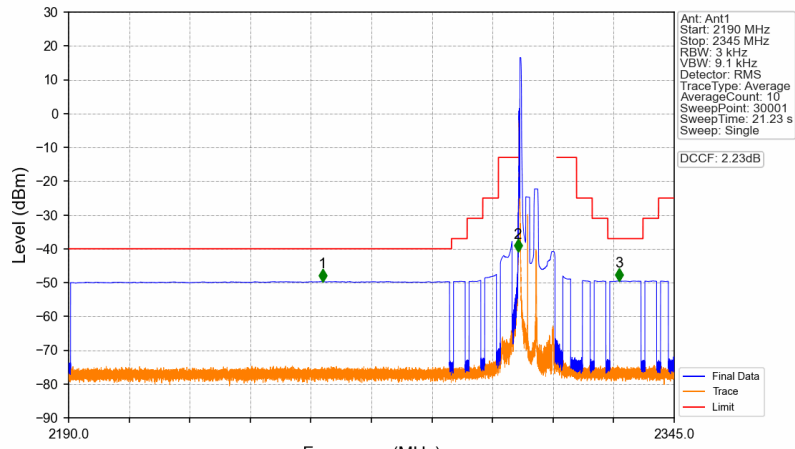
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2305	1	CHP	1	2251.545	-49.67	-40	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	2	2315.002	-40.21	-13	Pass
2316	2345	1	CHP	3	2331.138	-49.39	-37	Pass

## Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



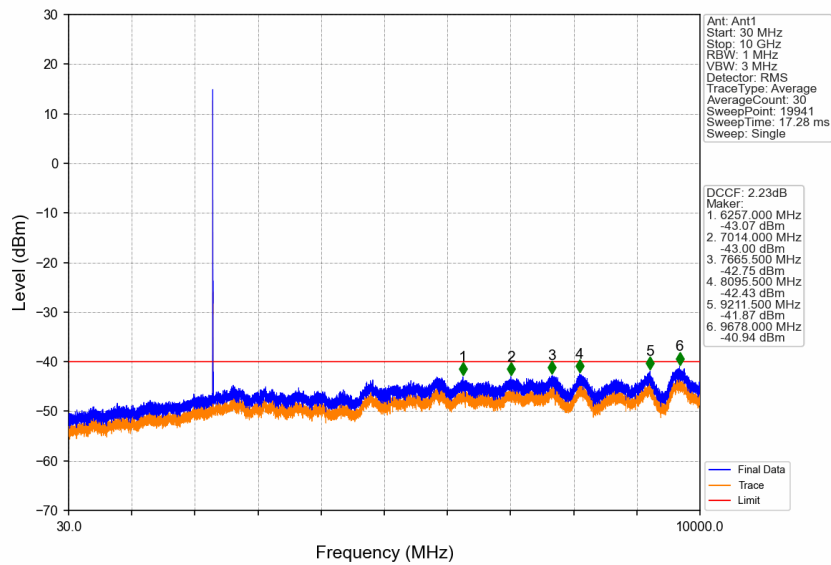
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2305	1	CHP	1	2270.104	-49.71	-40	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.062	/	2	2315.054	-37.55	-13	Pass
2316	2345	1	CHP	3	2335.948	-49.48	-37	Pass

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	2304	1	CHP	1	2255.043	-49.68	-40	Pass
2304	2305	/	/	2	2305.000	-41.00	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2330.854	-49.48	-37	Pass

Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV

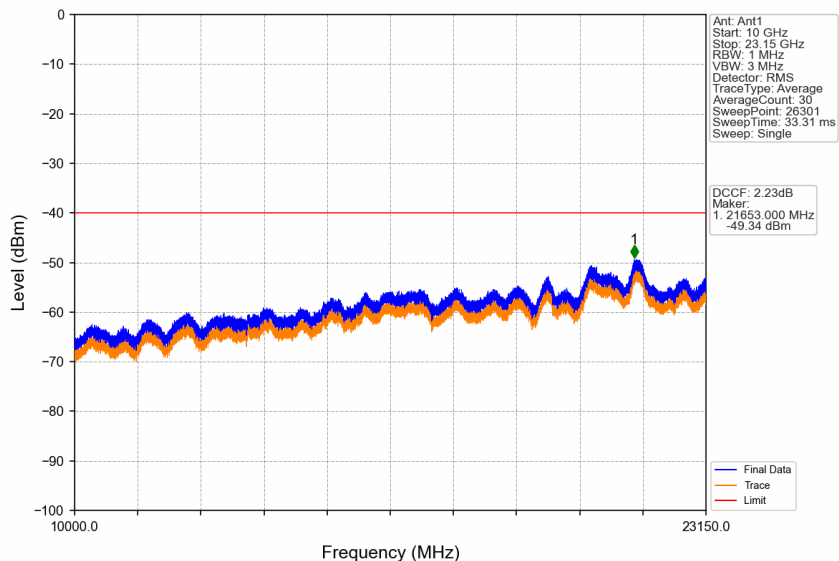


Ant: Ant1  
 Start: 30 MHz  
 Stop: 10 GHz  
 RBW: 1 MHz  
 VBW: 3 MHz  
 Detector: RMS  
 TraceType: Average  
 AverageCount: 30  
 SweepPoint: 19941  
 SweepTime: 17.28 ms  
 Sweep: Single

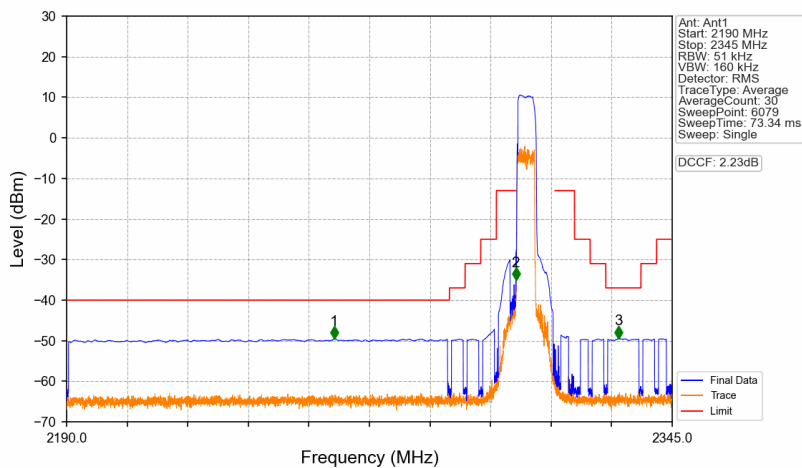
DCCF: 2.23dB

Marker	Freq (MHz)	Level (dBm)
1	6257.000	-43.07
2	7014.000	-43.00
3	7665.500	-42.75
4	8095.500	-42.43
5	9211.500	-41.87
6	9678.000	-40.94

Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV

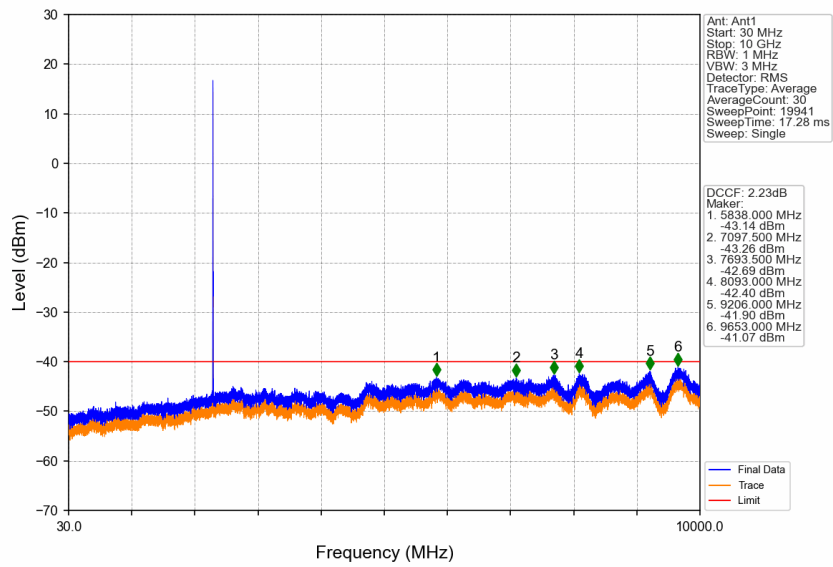


Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV

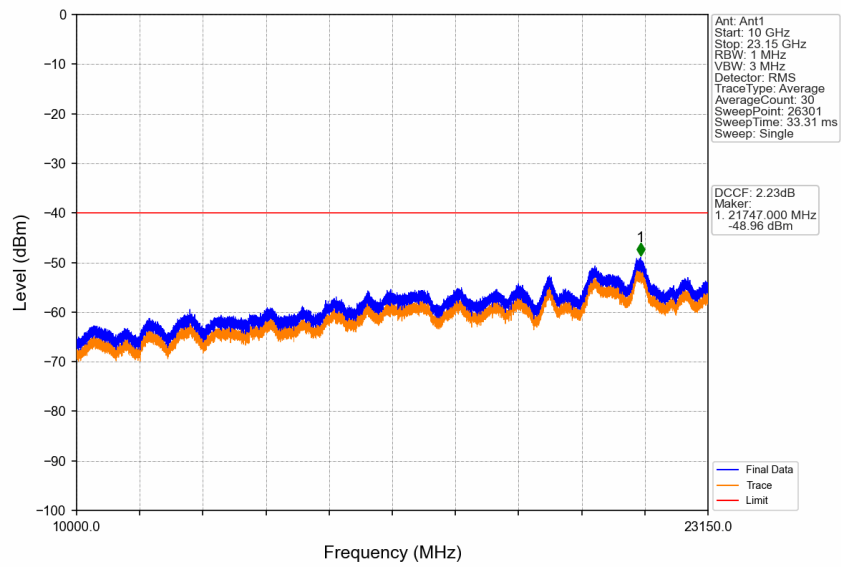


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2258.523	-49.56	-40	Pass
2304	2305	0.051	/	2	2304.988	-35.07	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2331.255	-49.45	-37	Pass

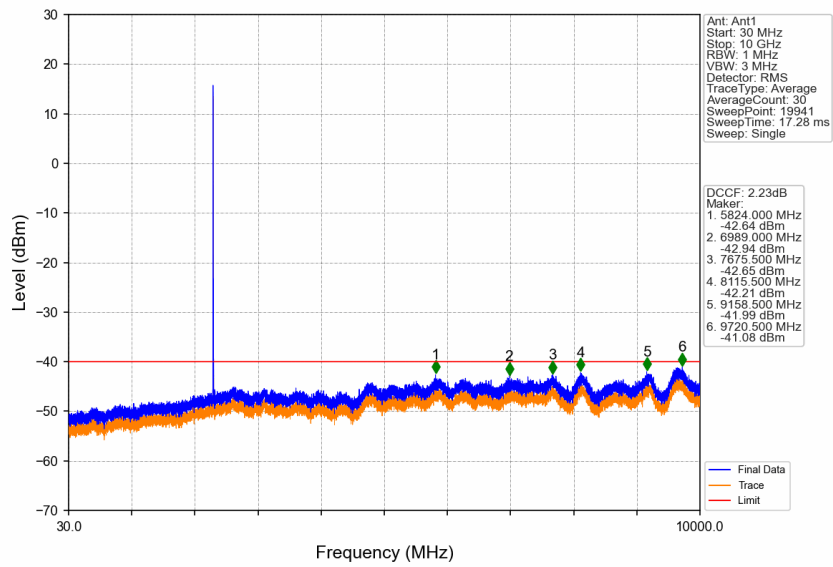
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



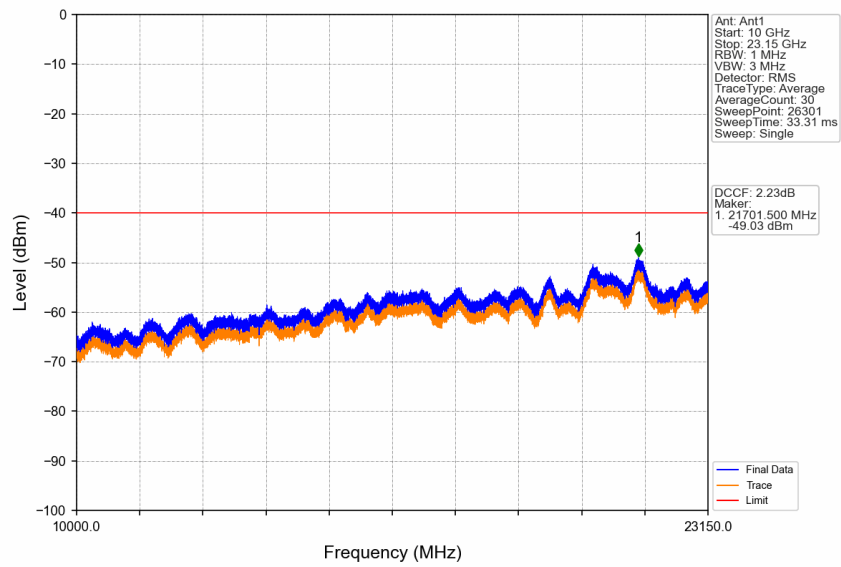
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



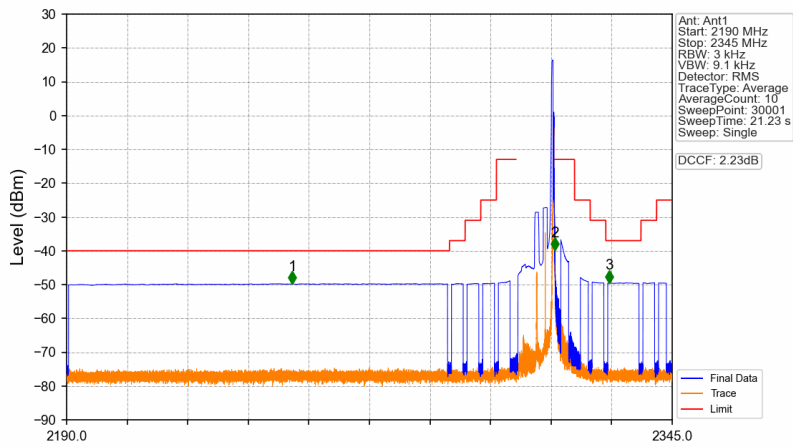
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV



Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV

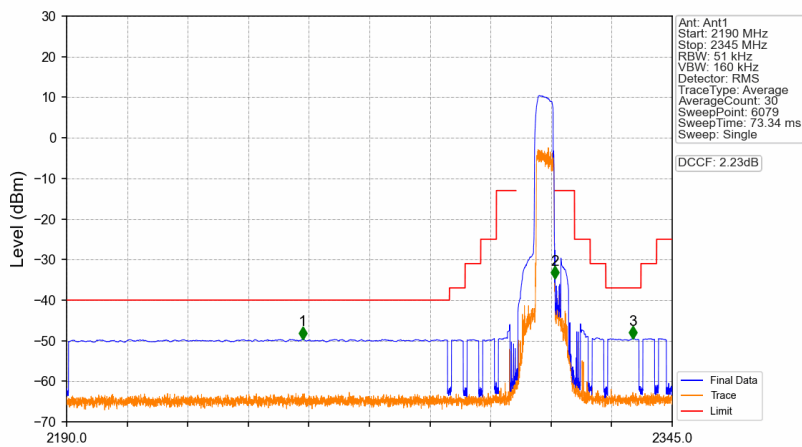


Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_1\_24\_NTNV



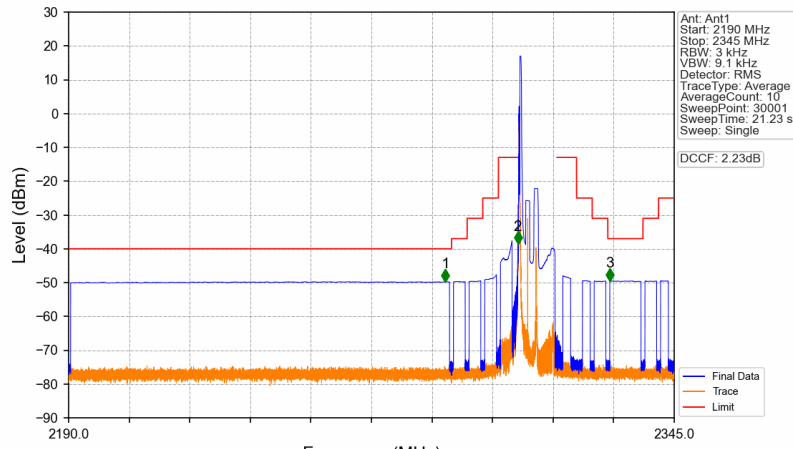
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2305	1	CHP	1	2247.774	-49.73	-40	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	2	2315.002	-39.84	-13	Pass
2316	2345	1	CHP	3	2328.859	-49.48	-37	Pass

Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



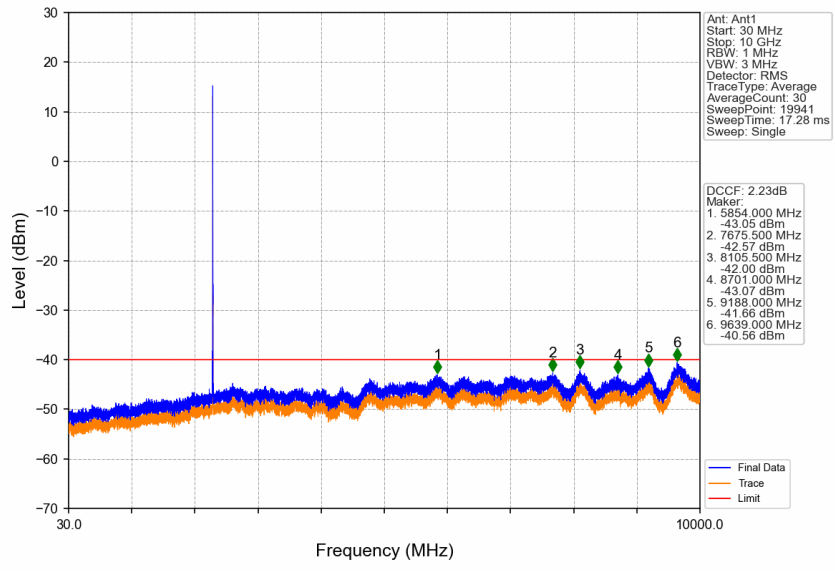
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2305	1	CHP	1	2250.388	-49.64	-40	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.051	/	2	2315.010	-34.81	-13	Pass
2316	2345	1	CHP	3	2334.850	-49.49	-37	Pass

Band40a\_5MHz\_64QAM\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV



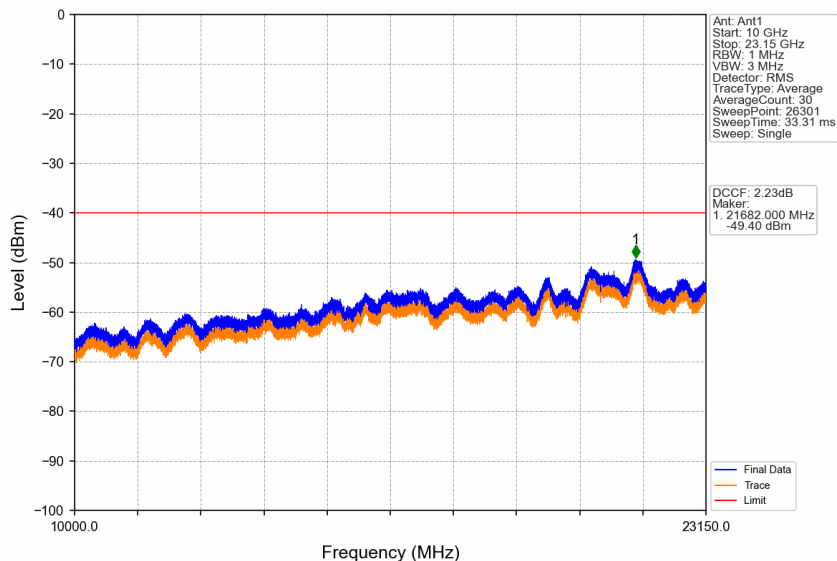
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2286.384	-49.69	-40	Pass
2304	2305	/	/	2	2305.000	-38.66	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2328.523	-49.47	-37	Pass

Band40a\_5MHz\_64QAM\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV

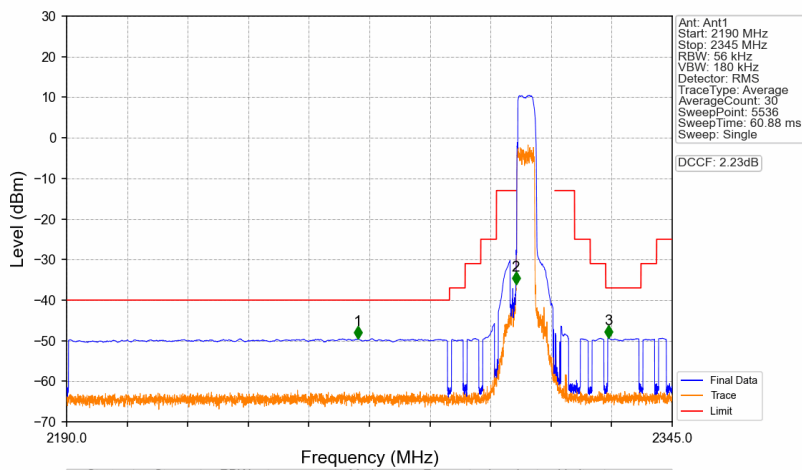


Marker	Freq (MHz)	Level (dBm)
1	5854.000	-43.05
2	7675.500	-42.57
3	8105.500	-42.00
4	8701.000	-43.07
5	9188.000	-41.86
6	9639.000	-40.56

Band40a\_5MHz\_64QAM\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV



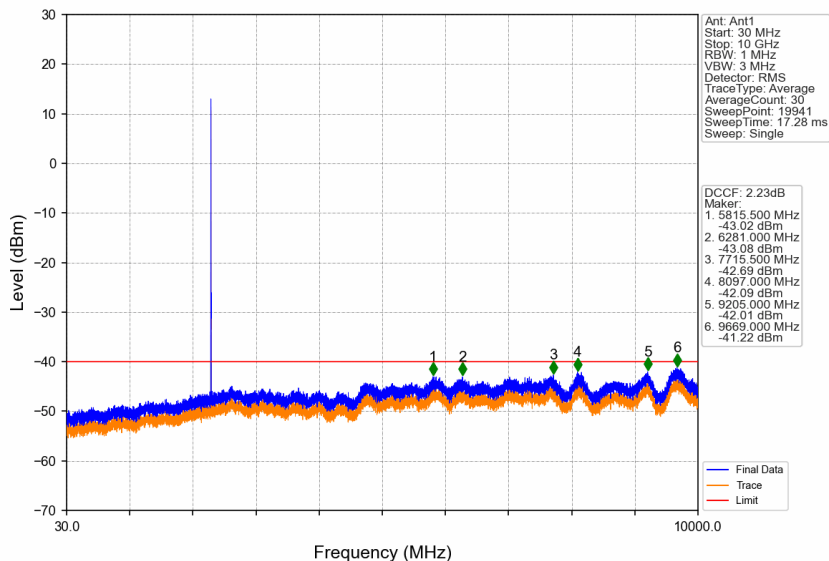
Band40a\_5MHz\_64QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



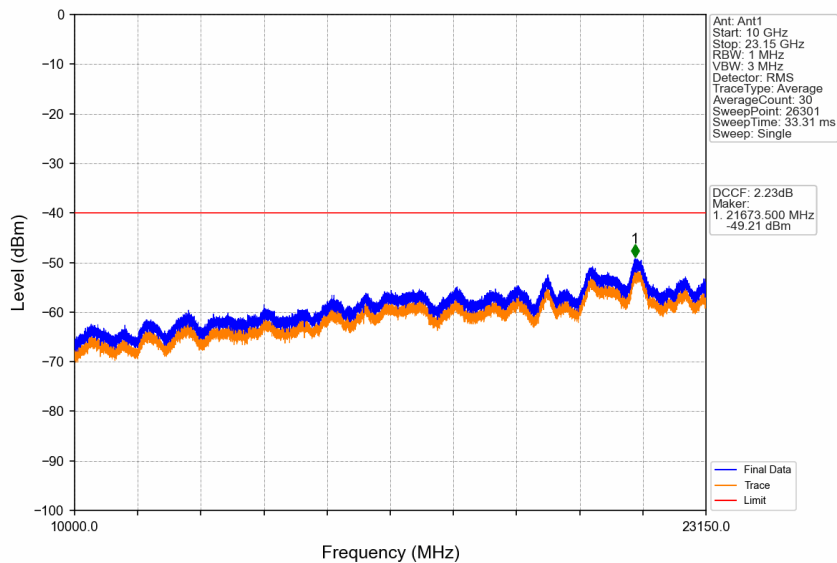
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2264.574	-49.50	-40	Pass
2304	2305	0.056	/	2	2304.983	-36.11	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2328.758	-49.43	-37	Pass



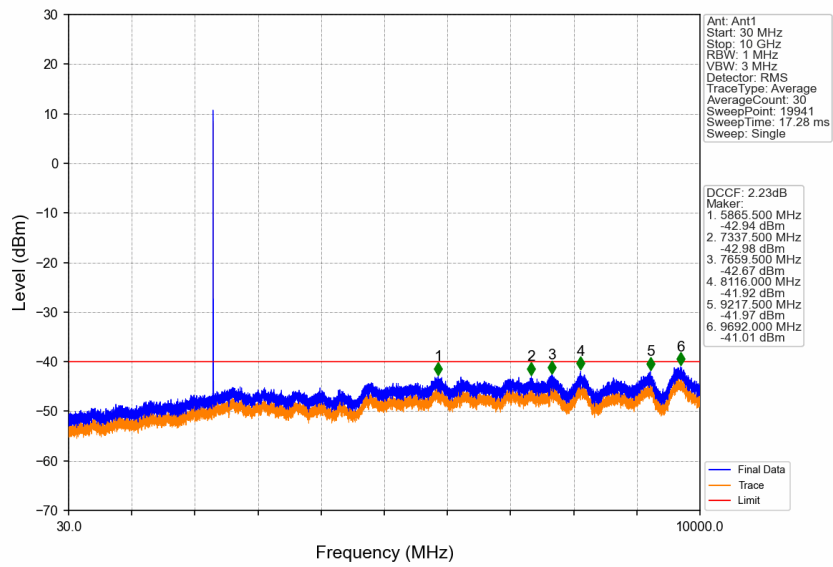
Band40a\_5MHz\_64QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



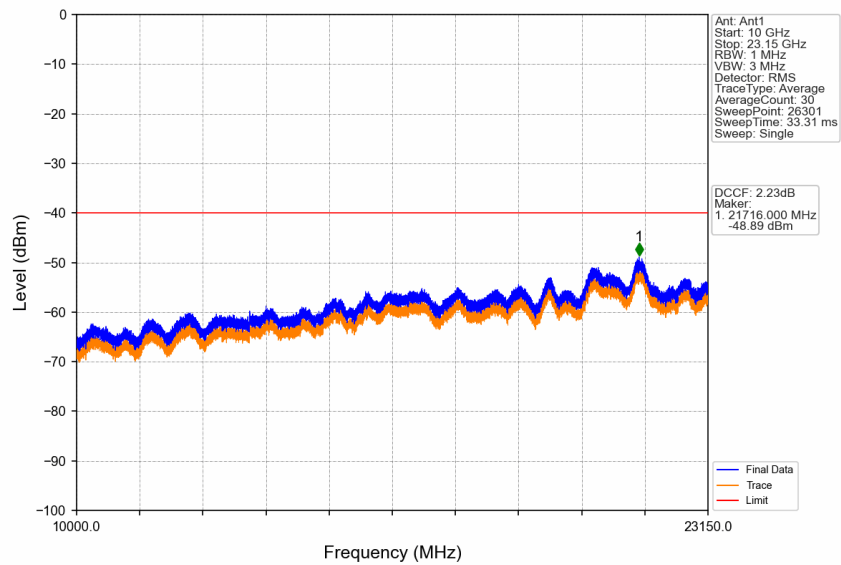
Band40a\_5MHz\_64QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



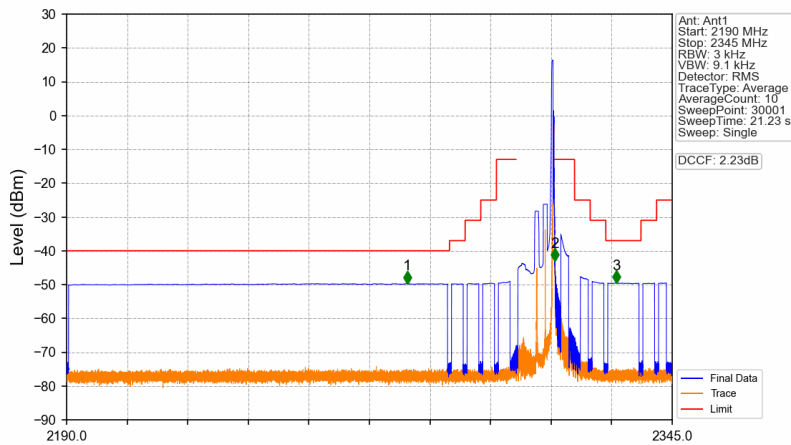
Band40a\_5MHz\_64QAM\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV



Band40a\_5MHz\_64QAM\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV

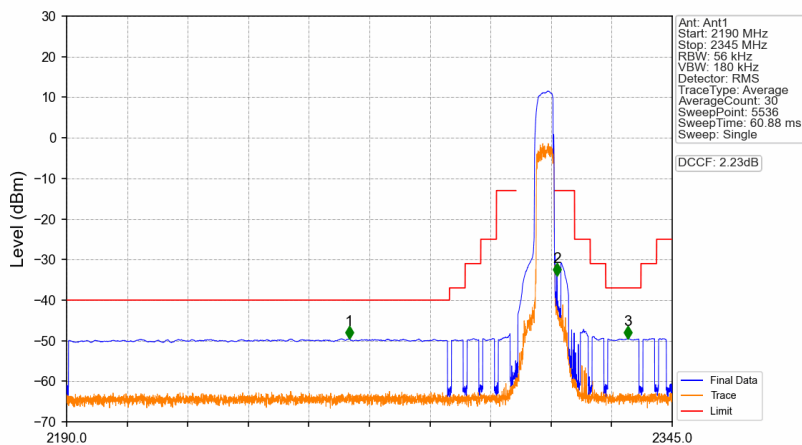


### Band40a\_5MHz\_64QAM\_HCH\_2312.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2305	1	CHP	1	2277.120	-49.89	-40	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	2	2315.002	-42.96	-13	Pass
2316	2345	1	CHP	3	2330.693	-49.51	-37	Pass

### Band40a\_5MHz\_64QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



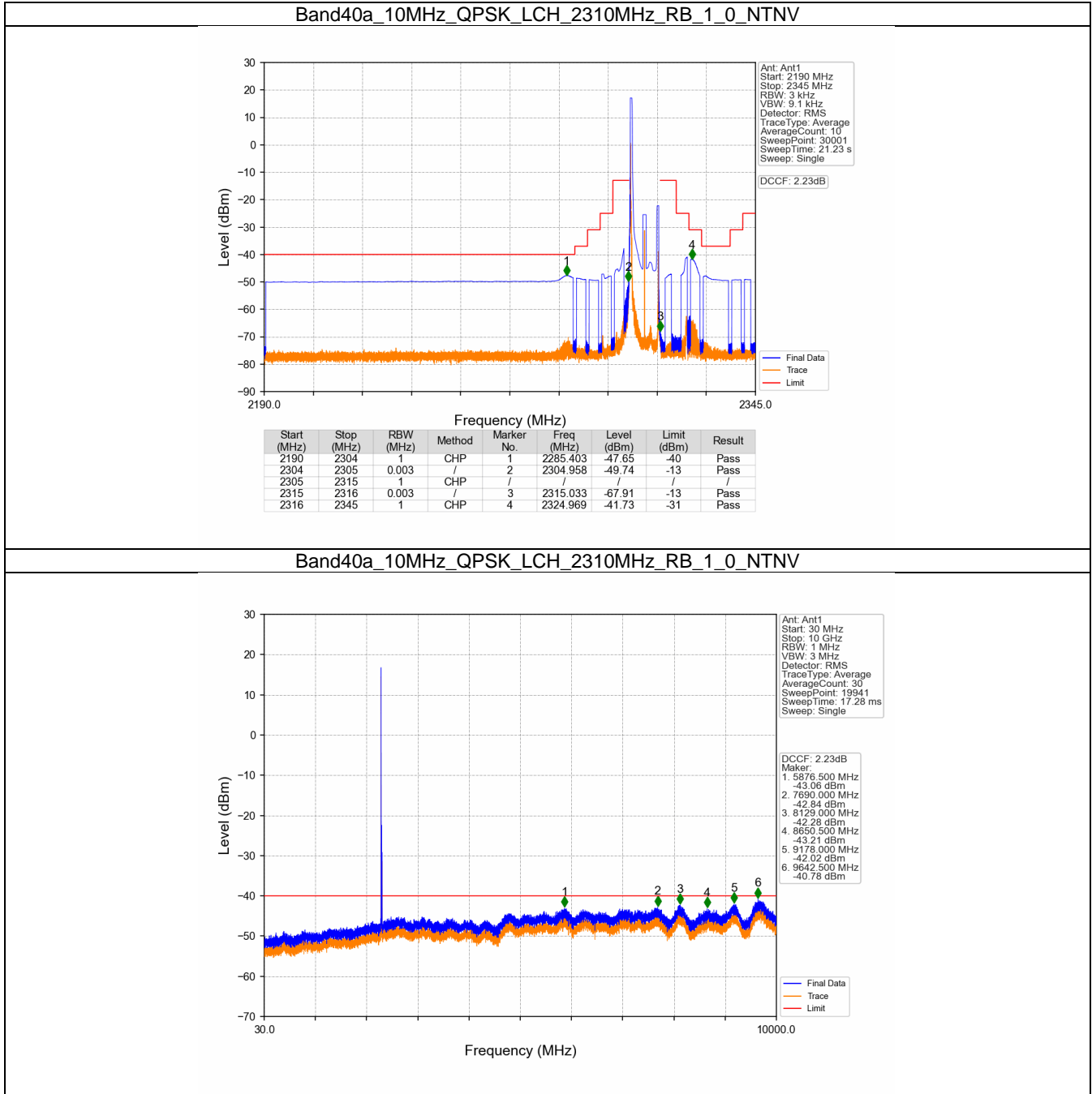
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2305	1	CHP	1	2262.305	-49.53	-40	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.056	/	2	2315.484	-34.03	-13	Pass
2316	2345	1	CHP	3	2333.575	-49.51	-37	Pass

5.2 B40a\_10MHz

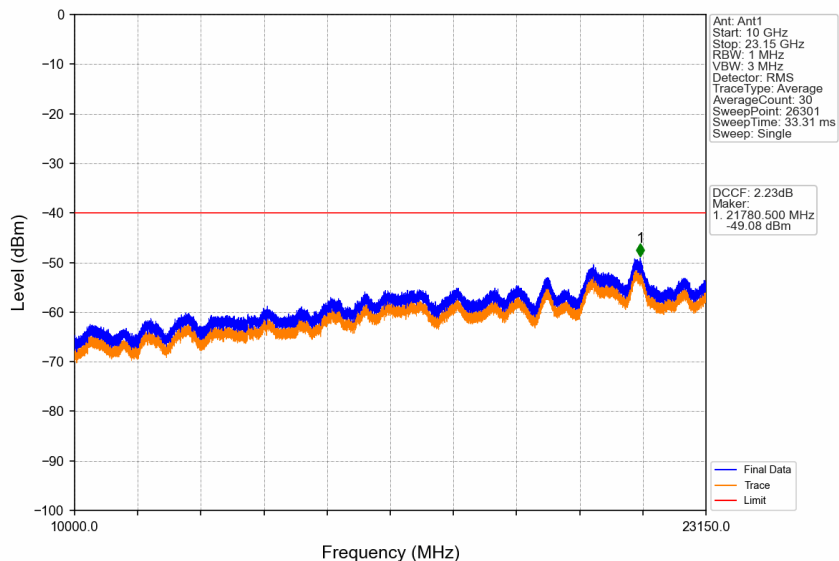
5.2.1 Test Result

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
64QAM	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

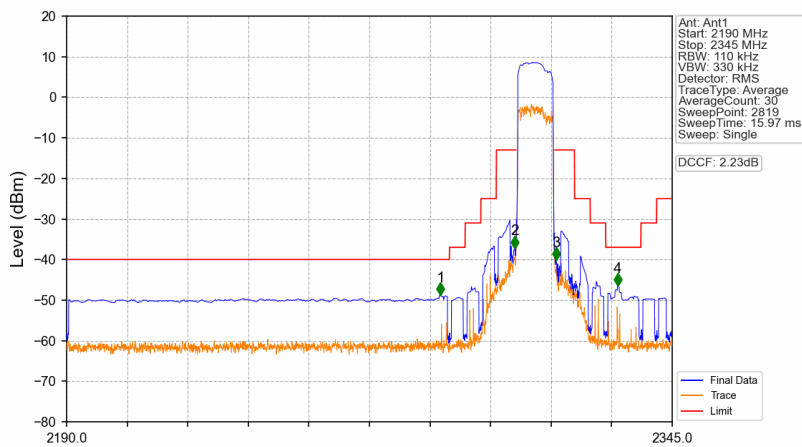
5.2.2 Test Graph



Band40a\_10MHz\_QPSK\_LCH\_2310MHz\_RB\_1\_0\_NTNV

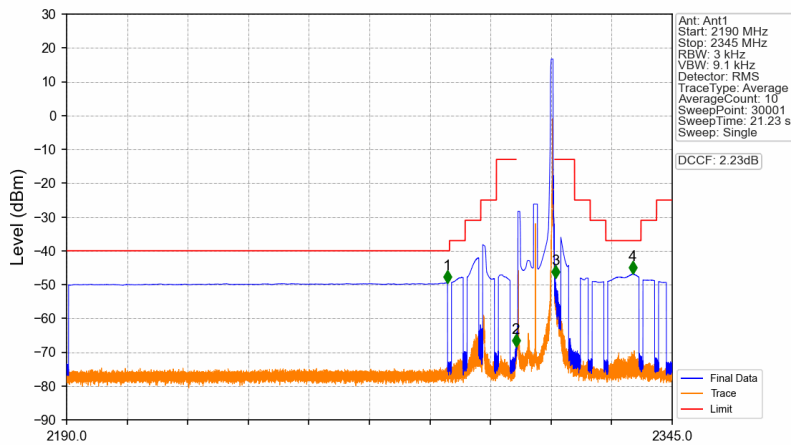


Band40a\_10MHz\_QPSK\_LCH\_2310MHz\_RB\_50\_0\_NTNV



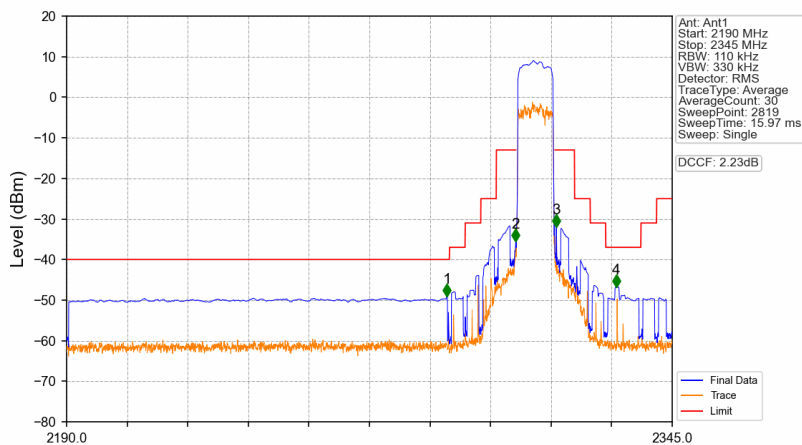
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2285.651	-48.81	-40	Pass
2304	2305	0.11	/	2	2304.682	-37.25	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	3	2315.243	-40.16	-13	Pass
2316	2345	1	CHP	4	2331.084	-46.56	-37	Pass

### Band40a\_10MHz\_QPSK\_HCH\_2310MHz\_RB\_1\_49\_NTNV



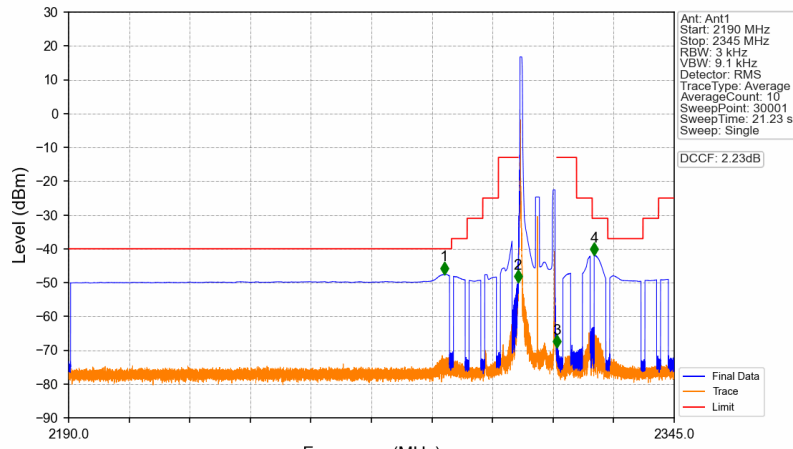
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2287.443	-49.51	-40	Pass
2304	2305	1	/	2	2304.984	-68.44	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	3	2315.059	-48.13	-13	Pass
2316	2345	1	CHP	4	2334.925	-46.87	-37	Pass

### Band40a\_10MHz\_QPSK\_HCH\_2310MHz\_RB\_50\_0\_NTNV



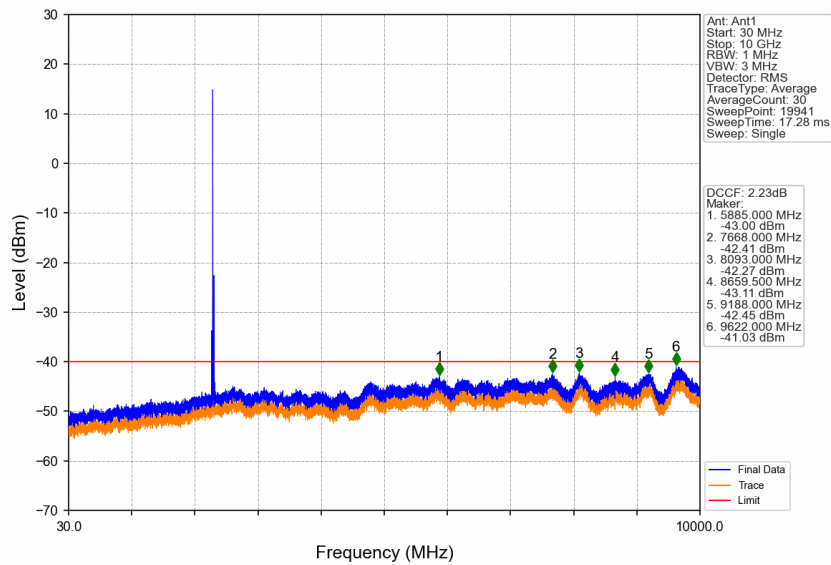
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2287.301	-49.09	-40	Pass
2304	2305	0.11	/	2	2304.957	-35.51	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	3	2315.353	-32.01	-13	Pass
2316	2345	1	CHP	4	2330.644	-46.81	-37	Pass

## 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	2304	1	CHP	1	2286.121	-47.57	-40	Pass
2304	2305	/	/	2	2304.979	-50.05	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	3	2315.018	-69.36	-13	Pass
2316	2345	1	CHP	4	2324.519	-42.01	-31	Pass

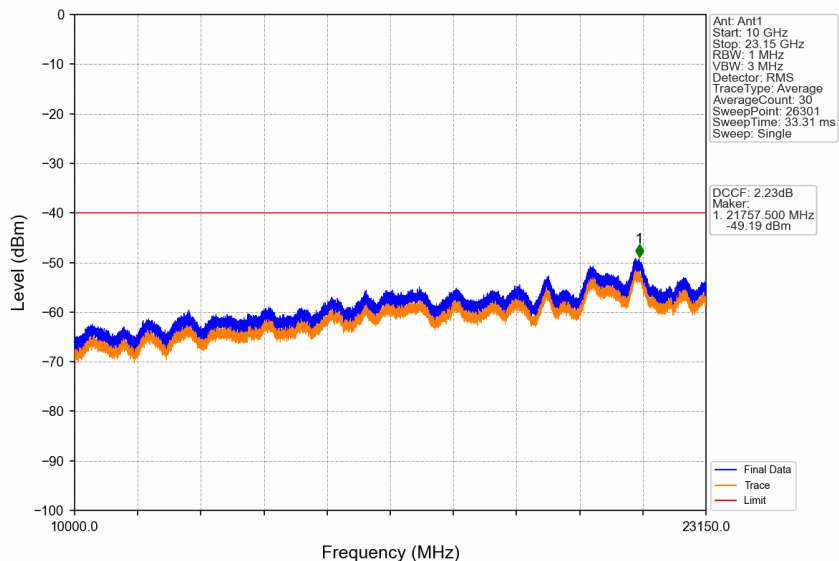
## Band40a\_10MHz\_16QAM\_LCH\_2310MHz\_RB\_1\_0\_NTNV



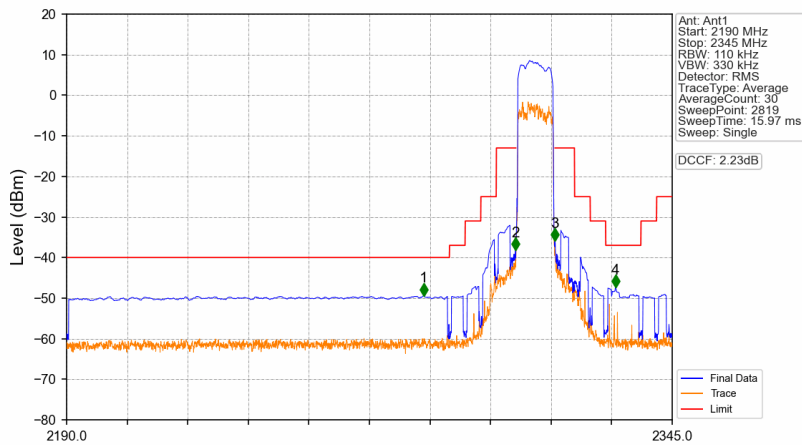
Marker	Freq (MHz)	Level (dBm)
1	5885.000	-43.00
2	7668.000	-42.41
3	8093.000	-42.27
4	8659.500	-43.11
5	9188.000	-42.45
6	9622.000	-41.03



Band40a\_10MHz\_16QAM\_LCH\_2310MHz\_RB\_1\_0\_NTNV

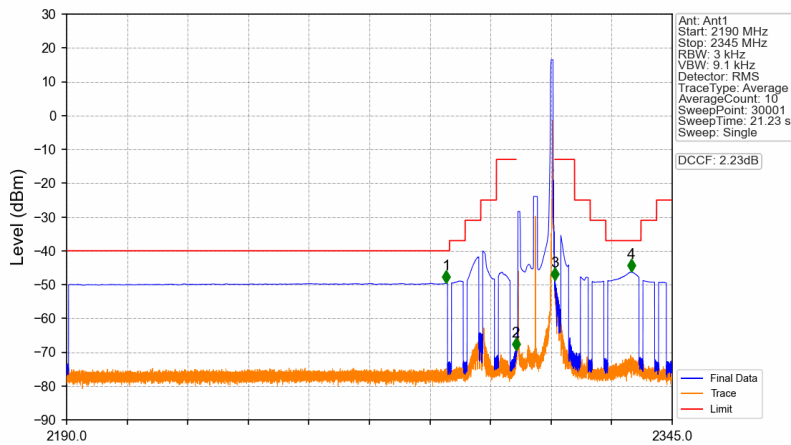


Band40a\_10MHz\_16QAM\_LCH\_2310MHz\_RB\_50\_0\_NTNV



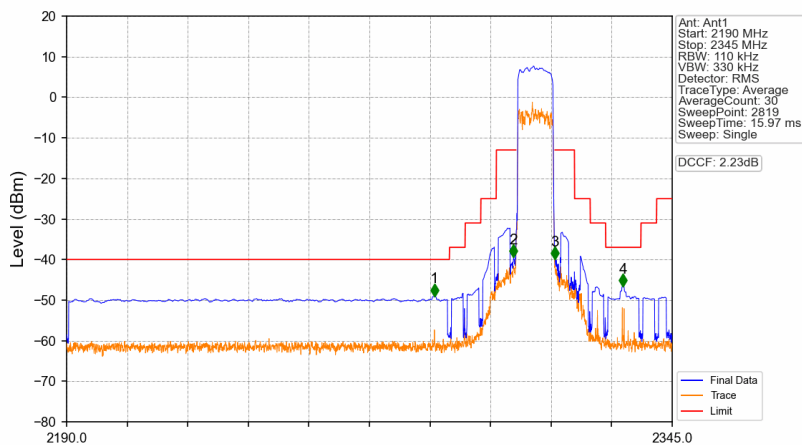
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2281.361	-49.43	-40	Pass
2304	2305	0.11	/	2	2304.902	-38.20	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	3	2315.023	-35.90	-13	Pass
2316	2345	1	CHP	4	2330.479	-47.43	-37	Pass

### Band40a\_10MHz\_16QAM\_HCH\_2310MHz\_RB\_1\_49\_NTNV



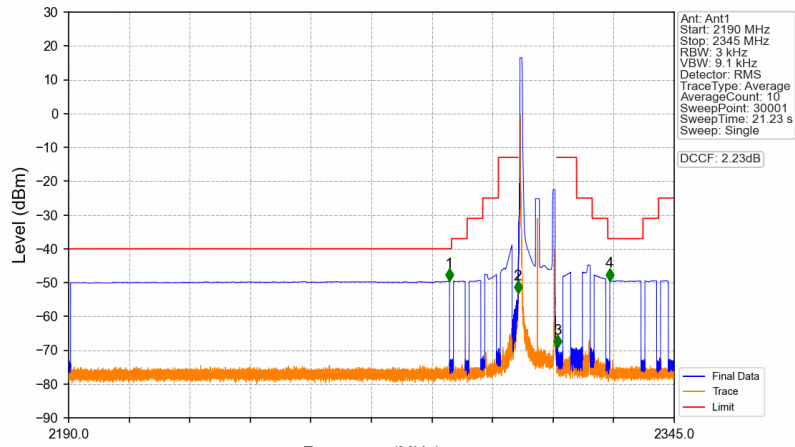
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2287.164	-49.57	-40	Pass
2304	2305	/	/	2	2304.994	-69.55	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	3	2315.008	-48.76	-13	Pass
2316	2345	1	CHP	4	2334.532	-46.29	-37	Pass

### Band40a\_10MHz\_16QAM\_HCH\_2310MHz\_RB\_50\_0\_NTNV



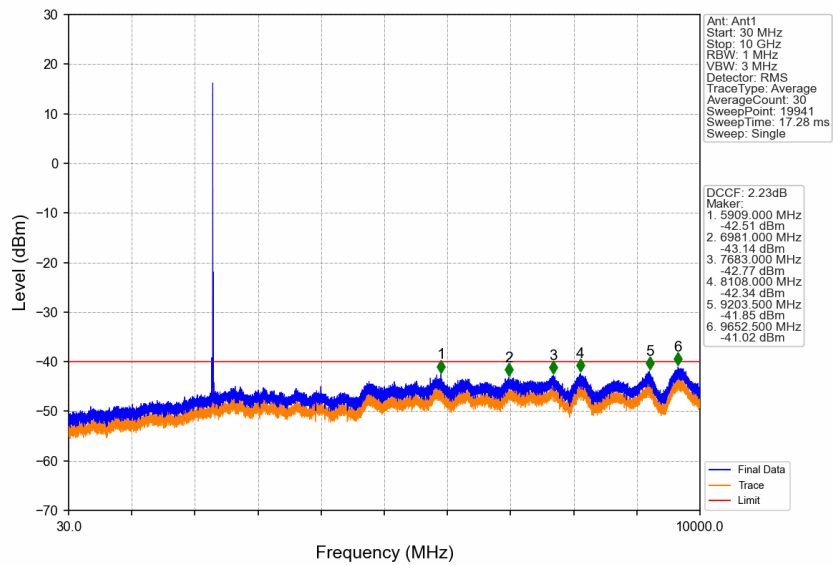
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2284.111	-49.05	-40	Pass
2304	2305	0.11	/	2	2304.407	-39.38	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	3	2315.023	-39.91	-13	Pass
2316	2345	1	CHP	4	2332.404	-46.63	-37	Pass

## Band40a\_10MHz\_64QAM\_LCH\_2310MHz\_RB\_1\_0\_NTNV

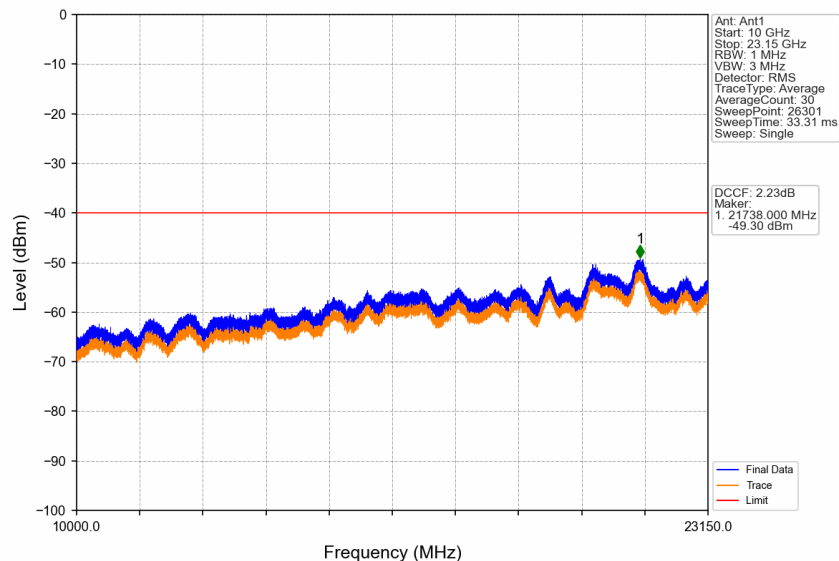


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2287.392	-49.53	-40	Pass
2304	2305	1	/	2	2304.994	-53.22	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	3	2315.142	-69.22	-13	Pass
2316	2345	1	CHP	4	2328.518	-49.47	-37	Pass

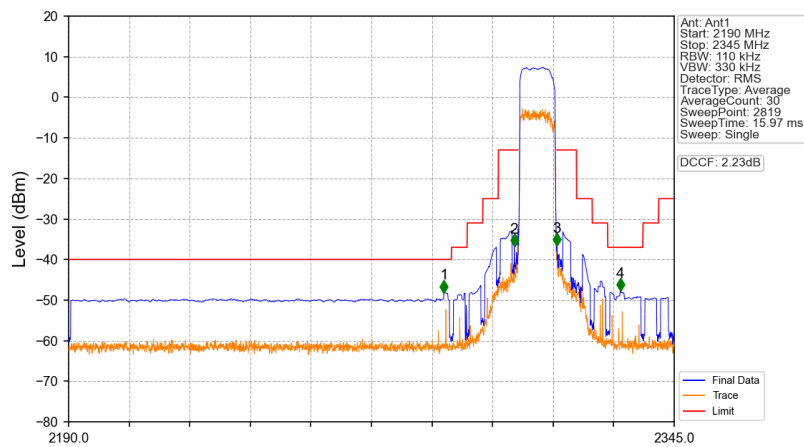
## Band40a\_10MHz\_64QAM\_LCH\_2310MHz\_RB\_1\_0\_NTNV



Band40a\_10MHz\_64QAM\_LCH\_2310MHz\_RB\_1\_0\_NTNV

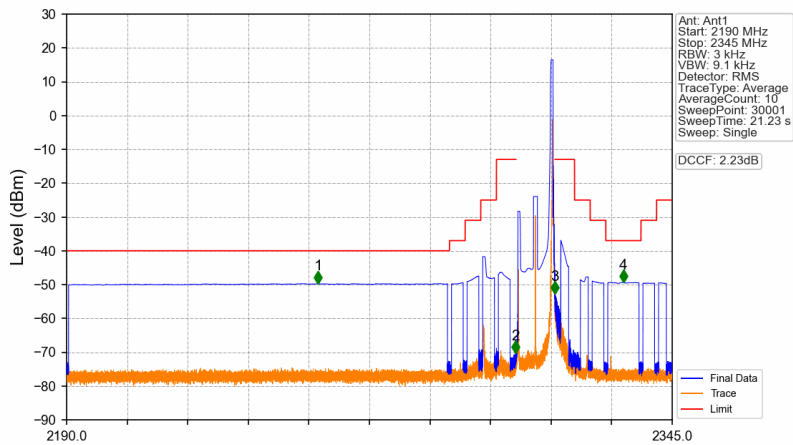


Band40a\_10MHz\_64QAM\_LCH\_2310MHz\_RB\_50\_0\_NTNV



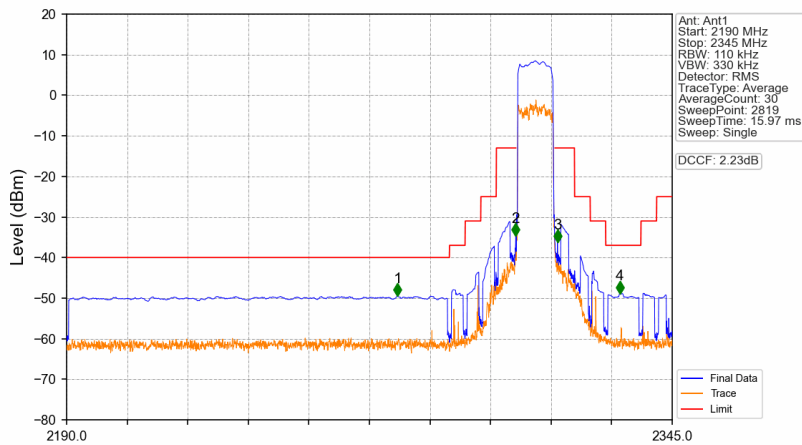
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2286.091	-48.19	-40	Pass
2304	2305	0.11	/	2	2304.077	-36.82	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	3	2315.023	-36.66	-13	Pass
2316	2345	1	CHP	4	2331.194	-47.71	-37	Pass

### Band40a\_10MHz\_64QAM\_HCH\_2310MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2254.356	-49.70	-40	Pass
2304	2305	0.003	/	2	2304.927	-70.29	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	3	2315.002	-52.72	-13	Pass
2316	2345	1	CHP	4	2332.517	-49.35	-37	Pass

### Band40a\_10MHz\_64QAM\_HCH\_2310MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2274.705	-49.50	-40	Pass
2304	2305	0.11	/	2	2304.957	-34.71	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.11	/	3	2315.628	-36.27	-13	Pass
2316	2345	1	CHP	4	2331.579	-48.89	-37	Pass