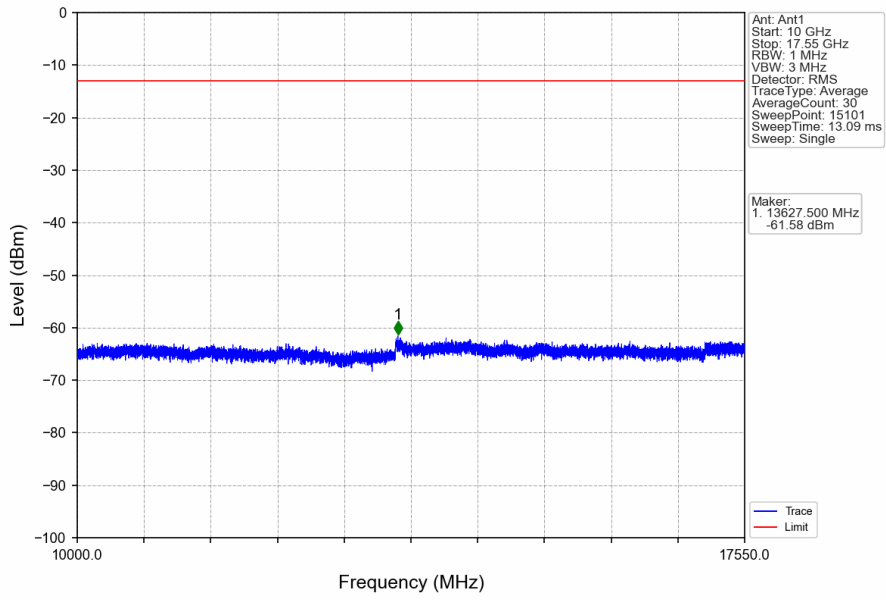
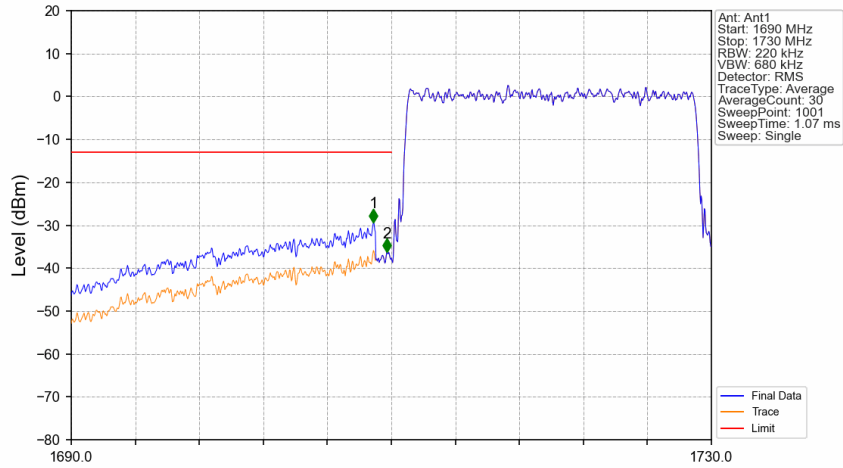


Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV

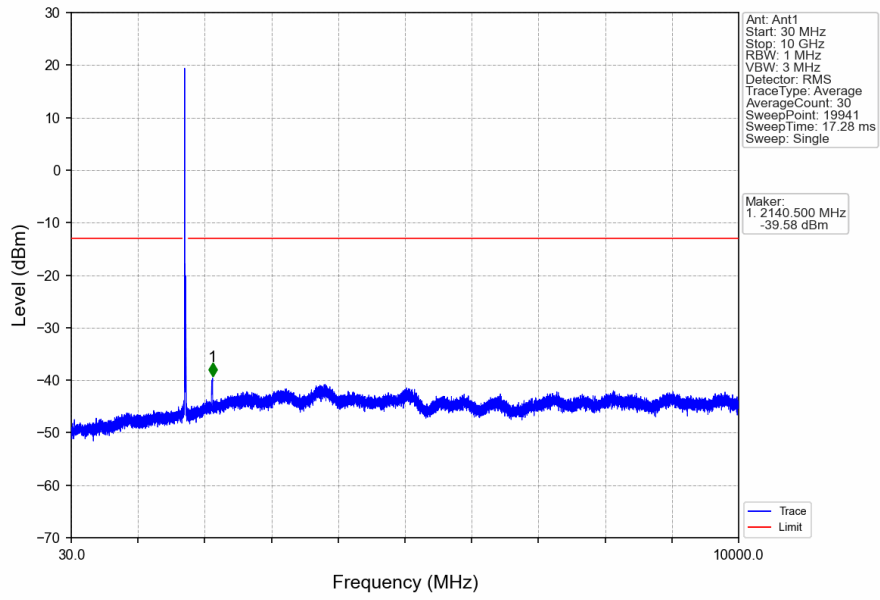


Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

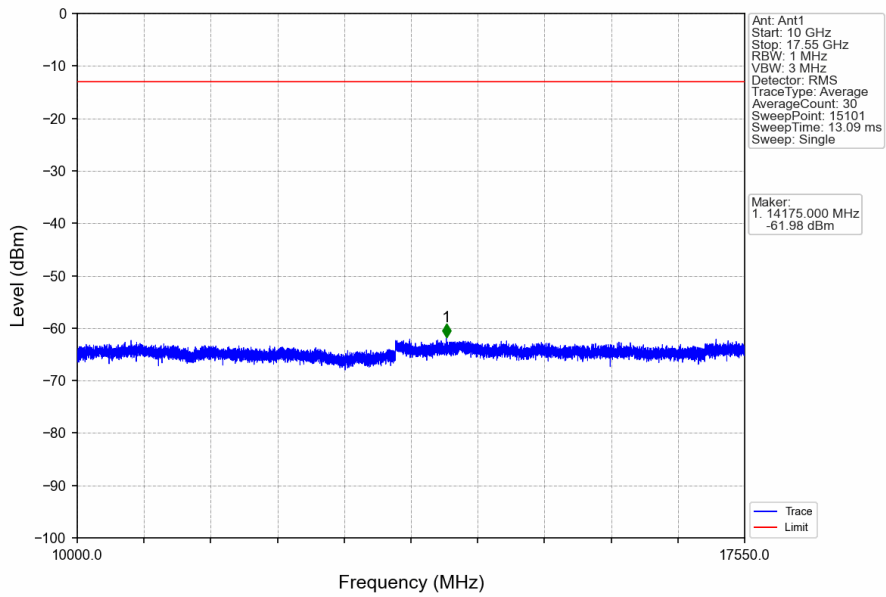


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	6.58	1	1708.880	-29.31	-13	Pass
1709	1710	0.22	0	2	1709.720	-36.26	-13	Pass
1710	1730	0.22	0	/	/	/	/	/

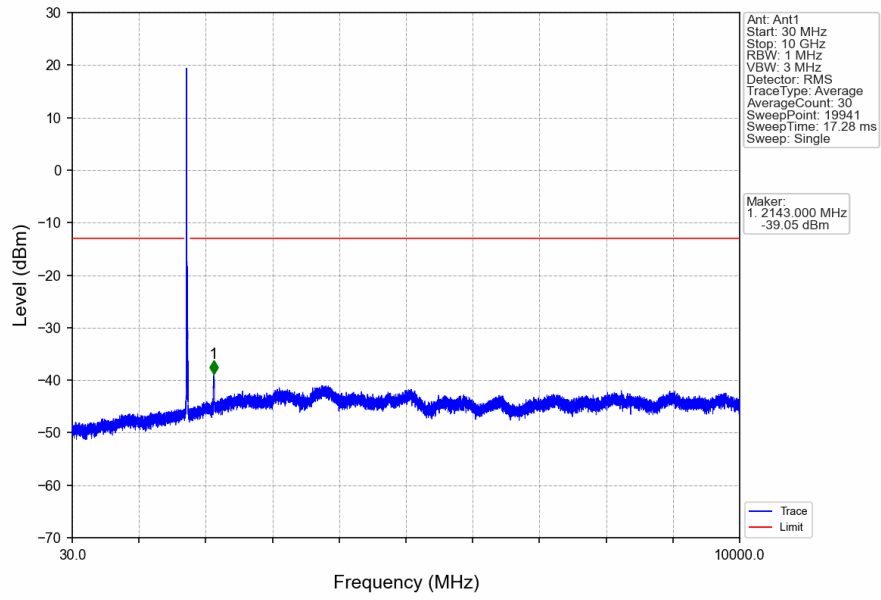
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



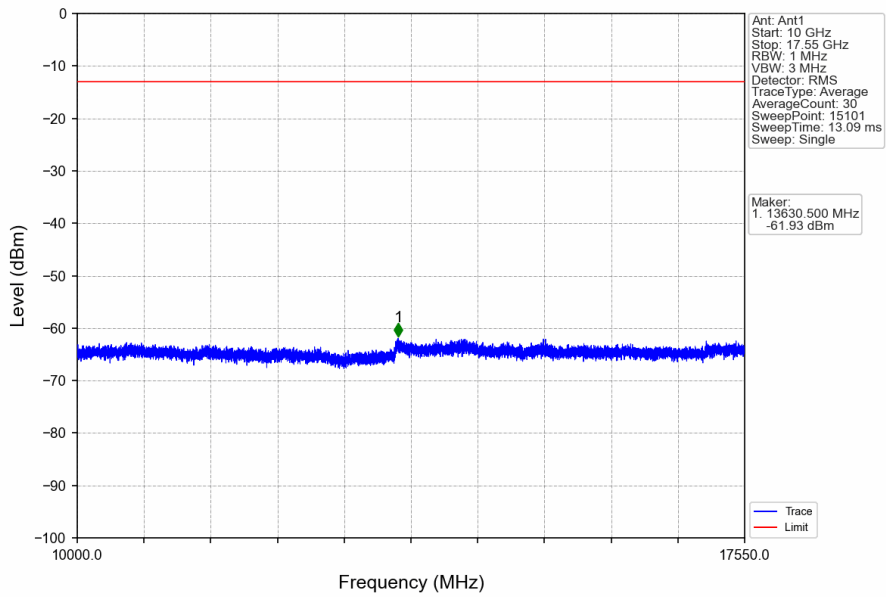
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



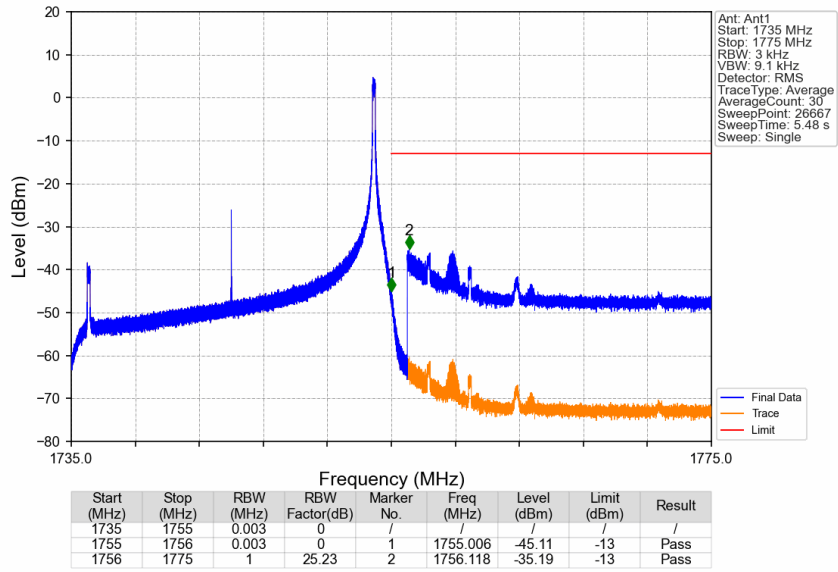
Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV



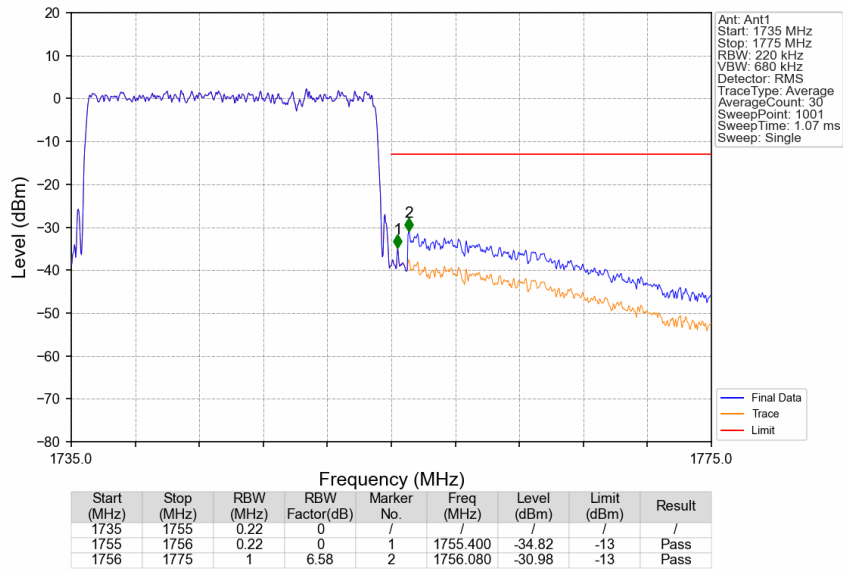
Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_99\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



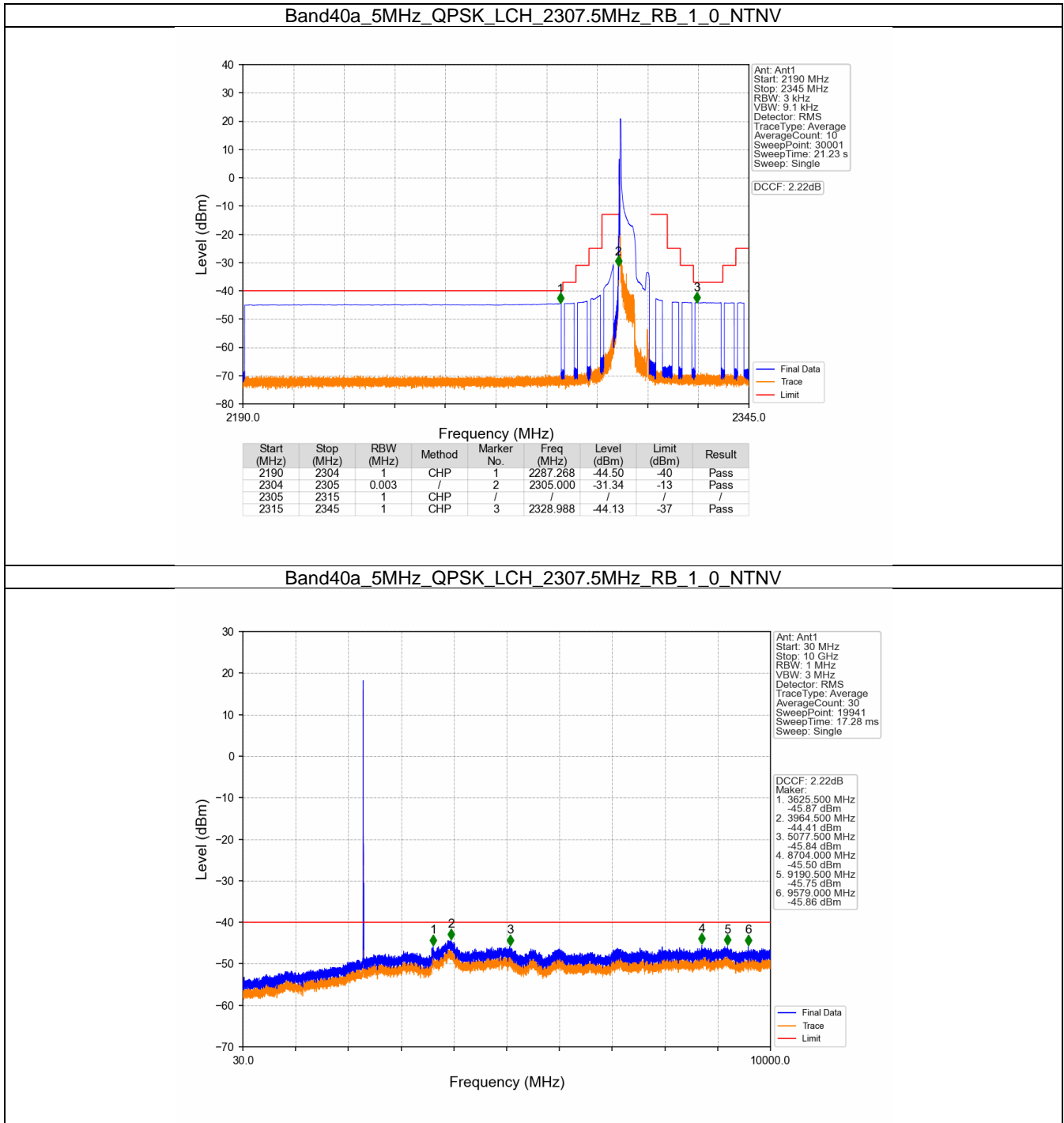
## 4. Spurious Emission

### 4.1 B40a\_5MHz

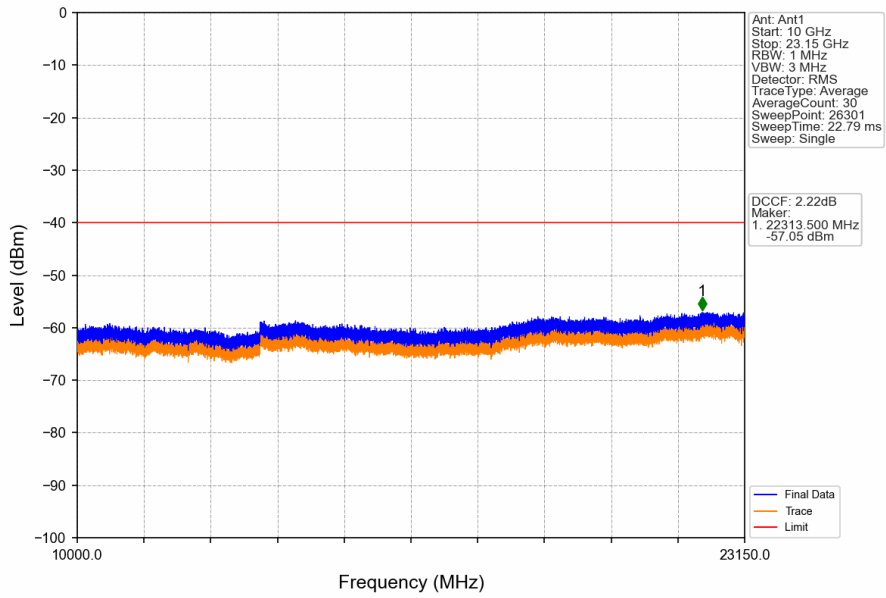
#### 4.1.1 Test Result

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	2310	1	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass	
			24	Refer To Test Graph		Pass	
16QAM	2307.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	2312.5	2310	1	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass	
			24	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	

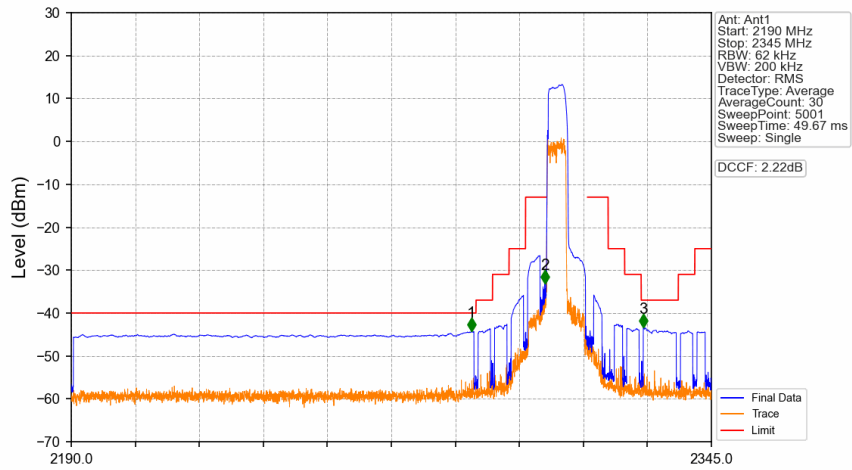
### 4.1.2 Test Graph



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

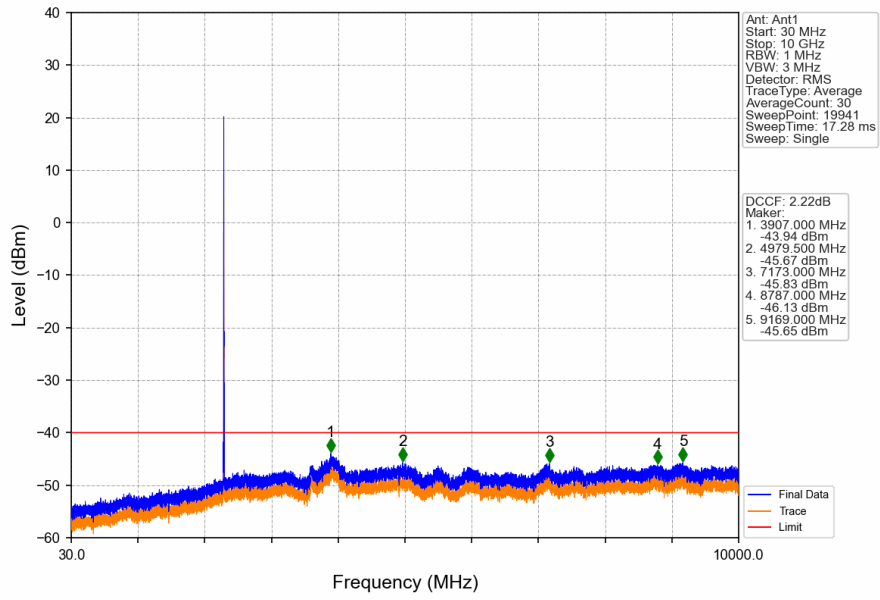


Band40a\_5MHz\_QPSK\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV

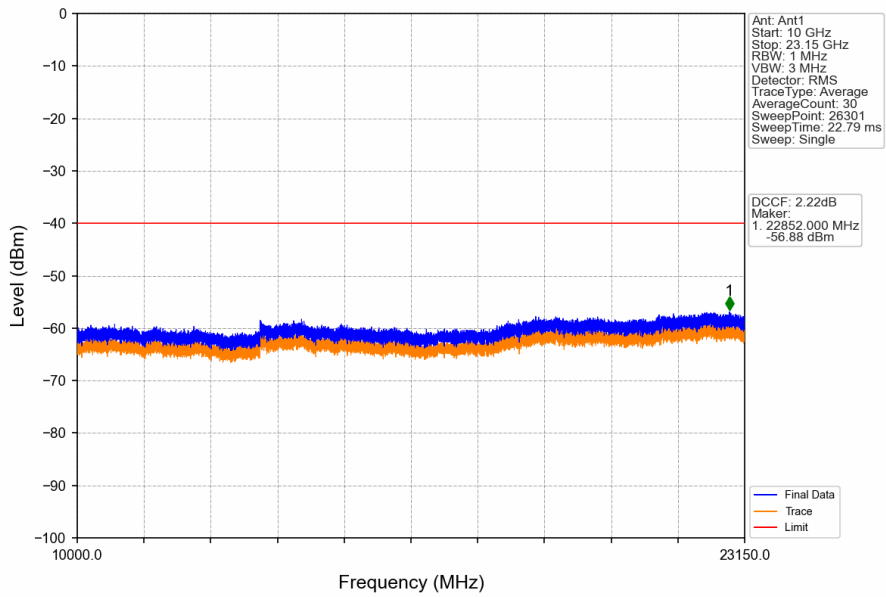


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2286.844	-44.30	-40	Pass
2304	2305	0.062	/	2	2304.669	-33.09	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2328.508	-43.41	-37	Pass

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

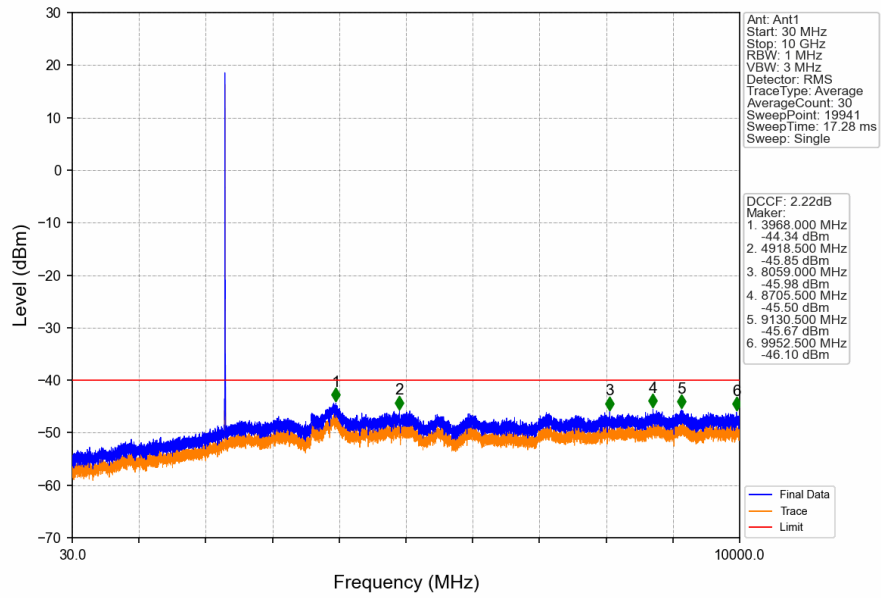


Band40a\_5MHz\_QPSK\_MCH\_2310MHz\_RB\_1\_0\_NTNV

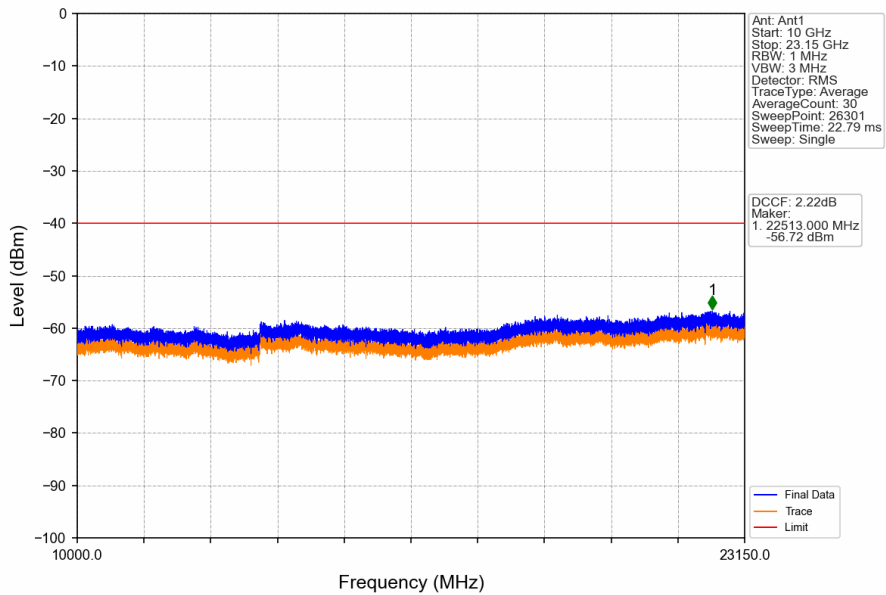




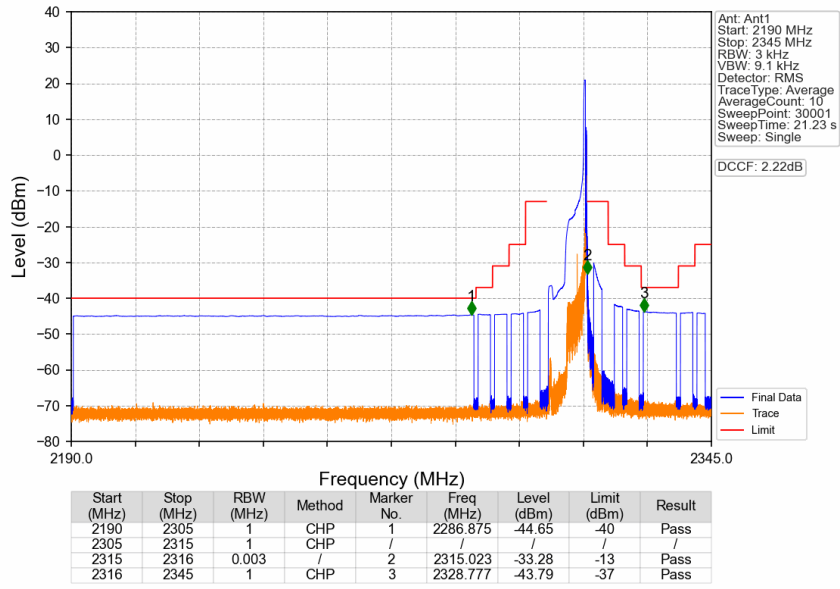
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV



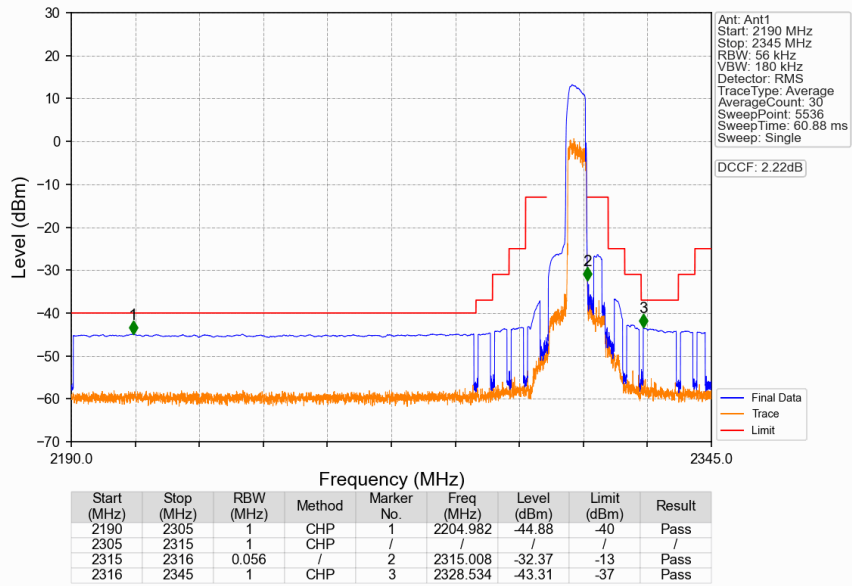
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV



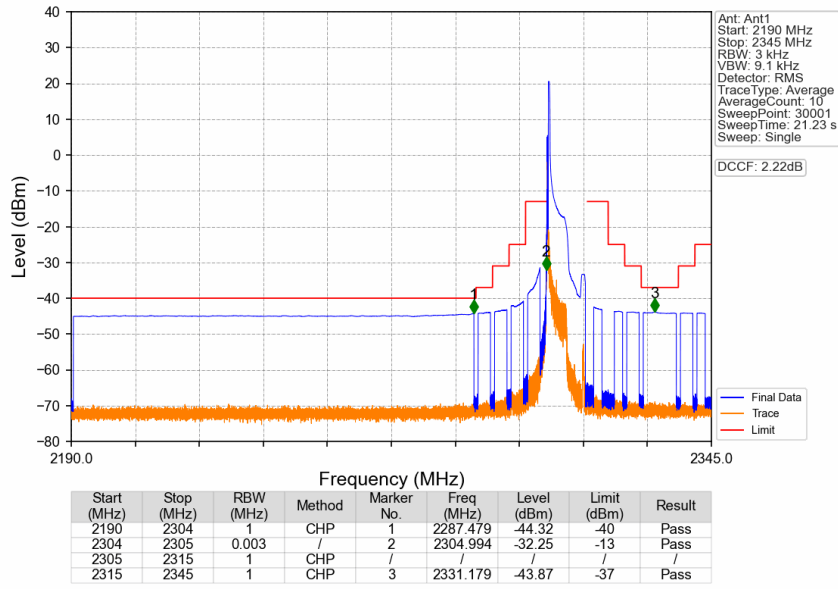
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_1\_24\_NTNV



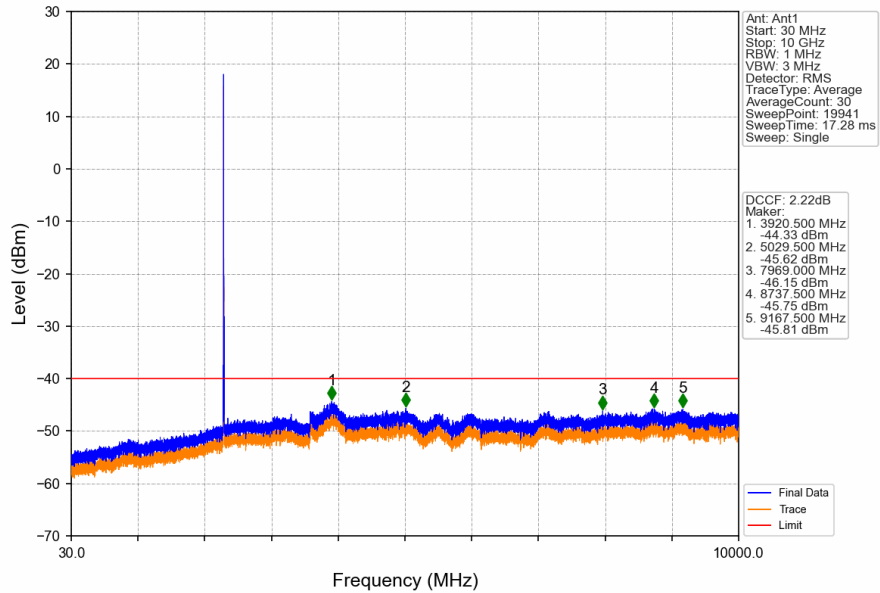
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



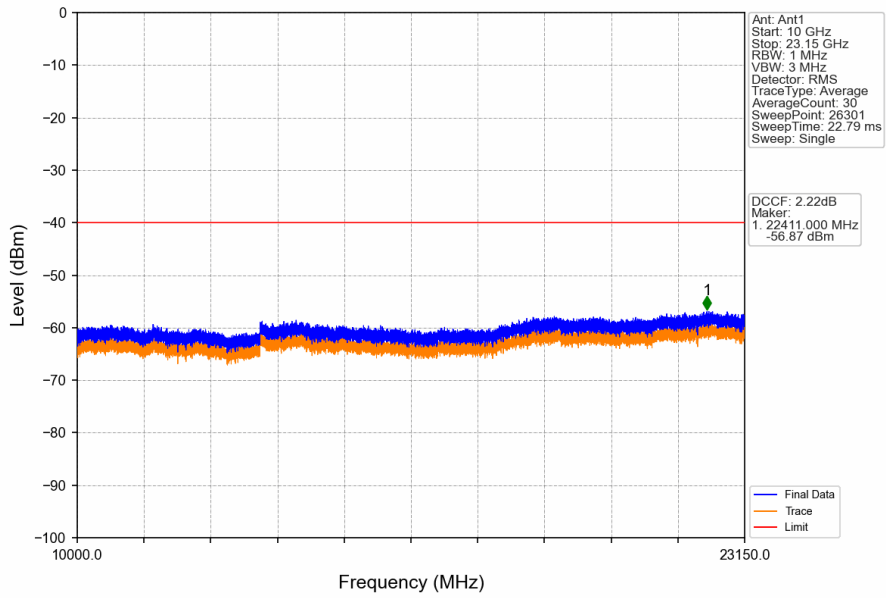
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV



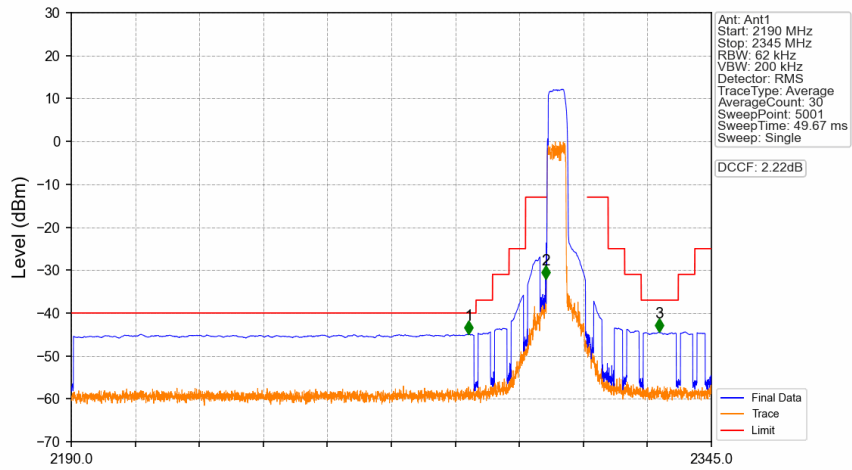
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_1\_0\_NTNV



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

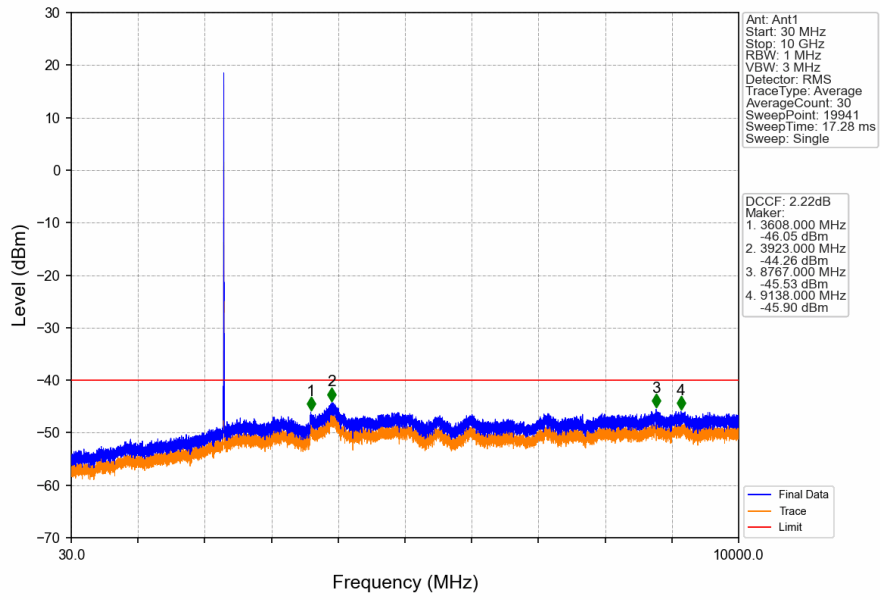


Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV

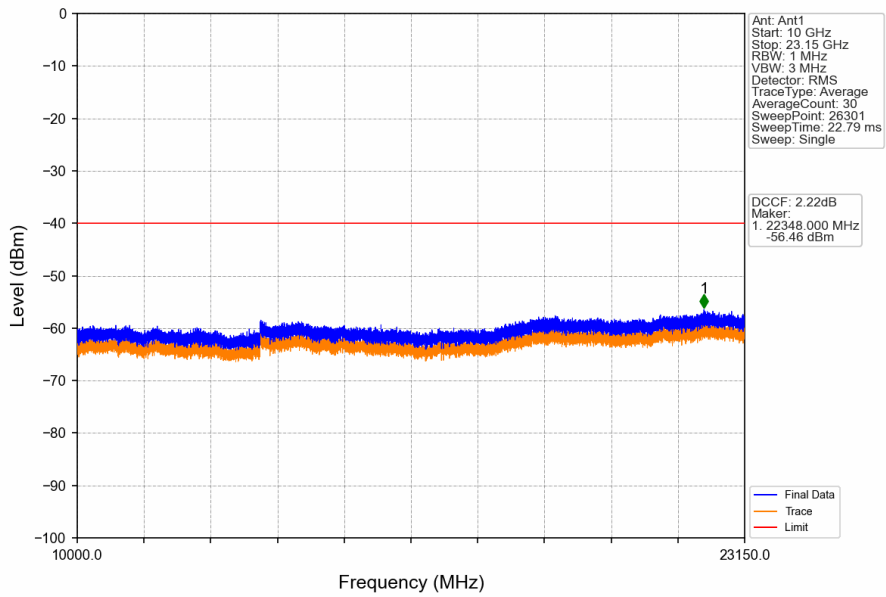


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2286.224	-44.95	-40	Pass
2304	2305	0.062	/	2	2304.886	-32.07	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2332.290	-44.45	-37	Pass

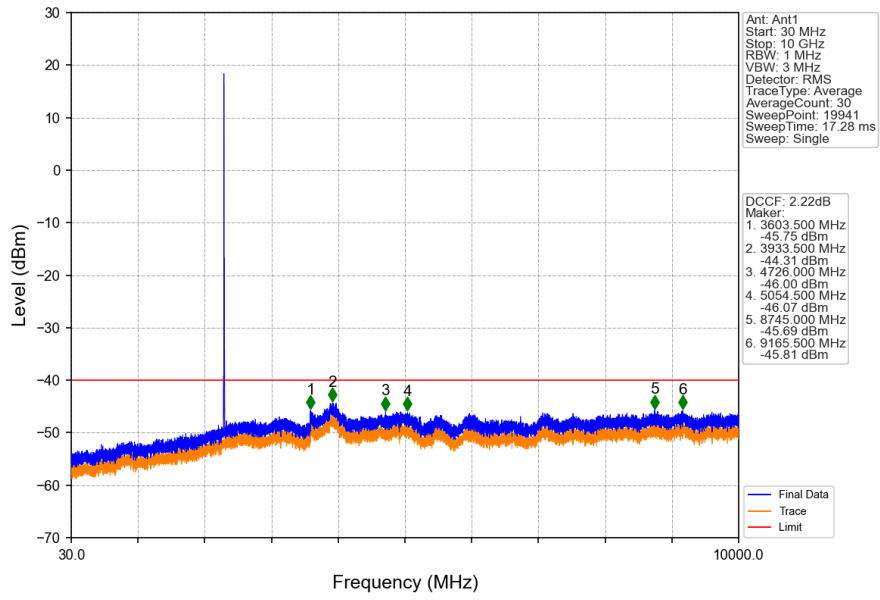
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



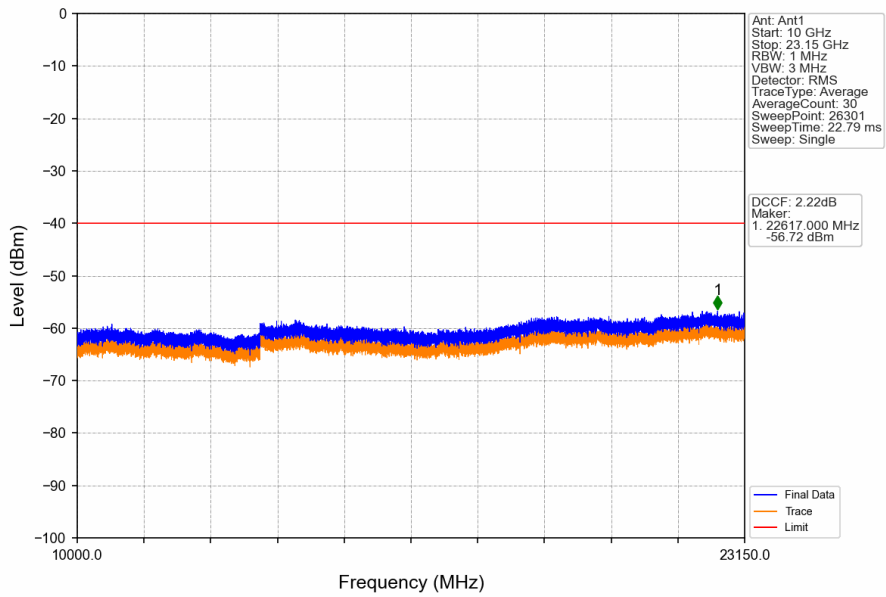
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



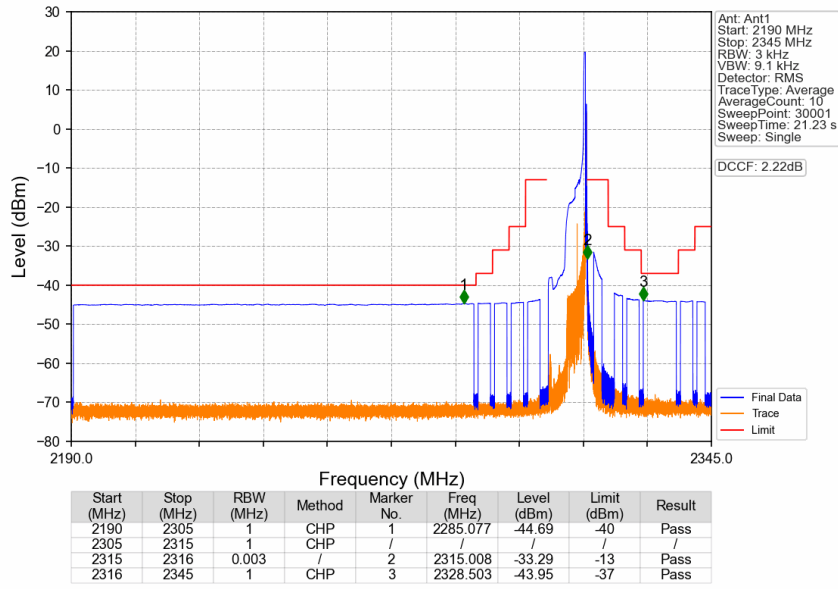
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV



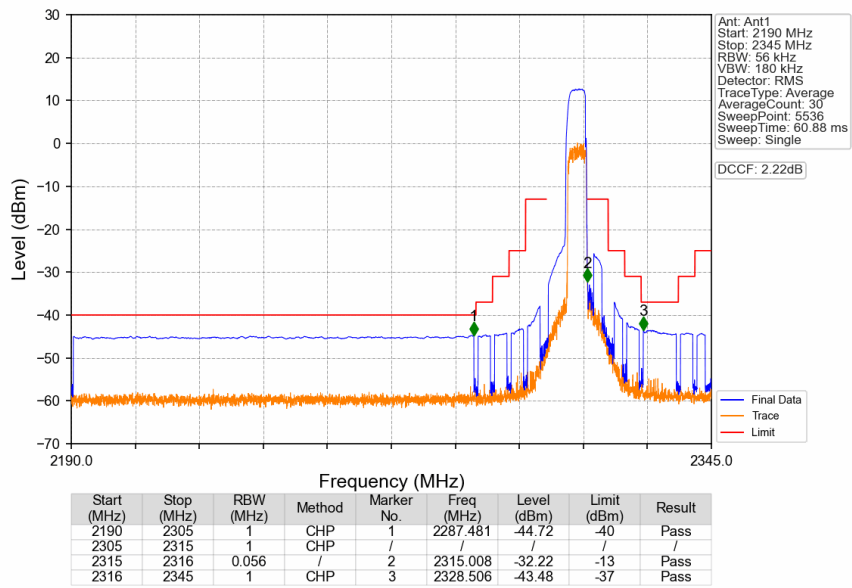
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_1\_0\_NTNV



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



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



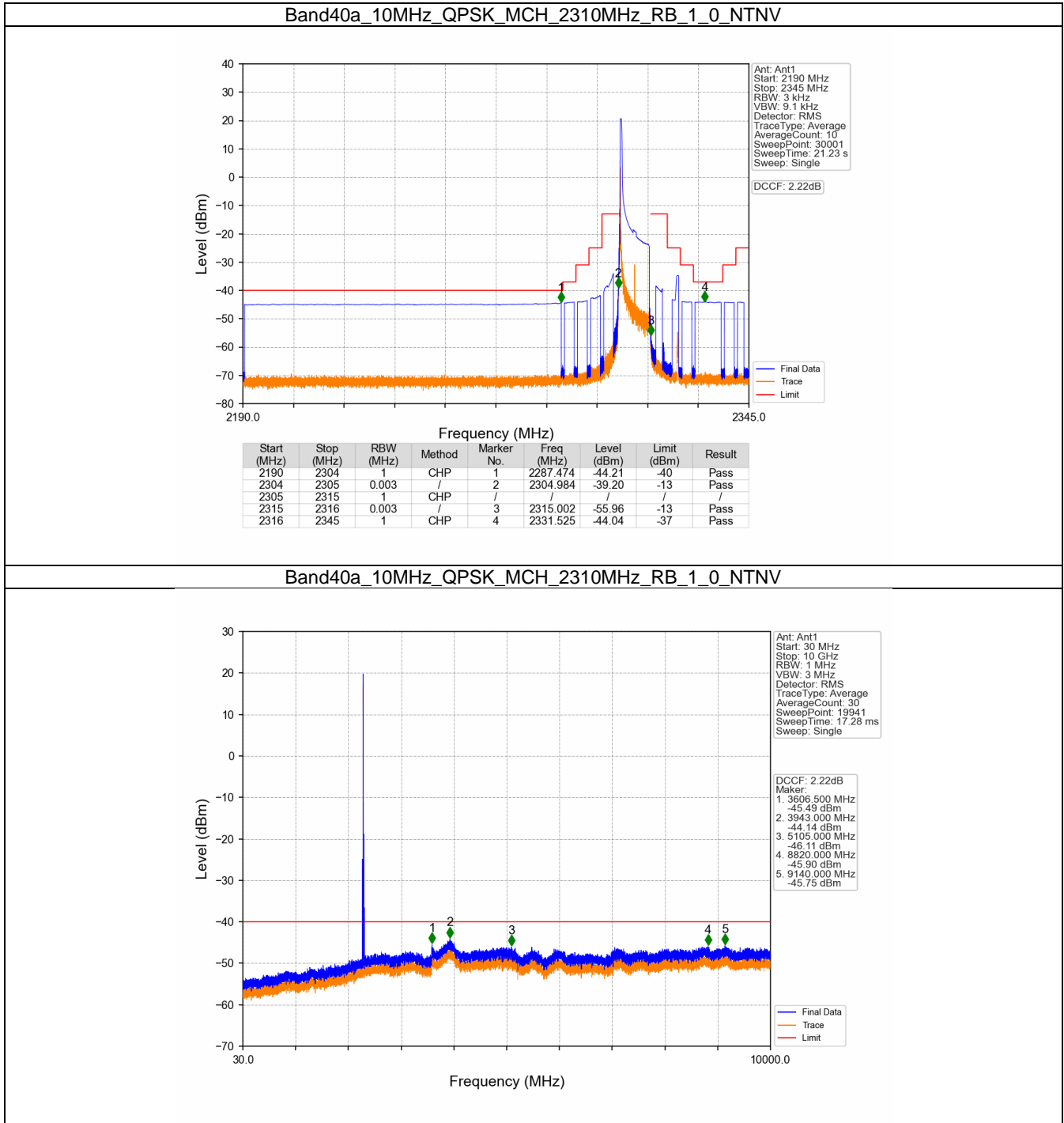
## 4.2 B40a\_10MHz

### 4.2.1 Test Result

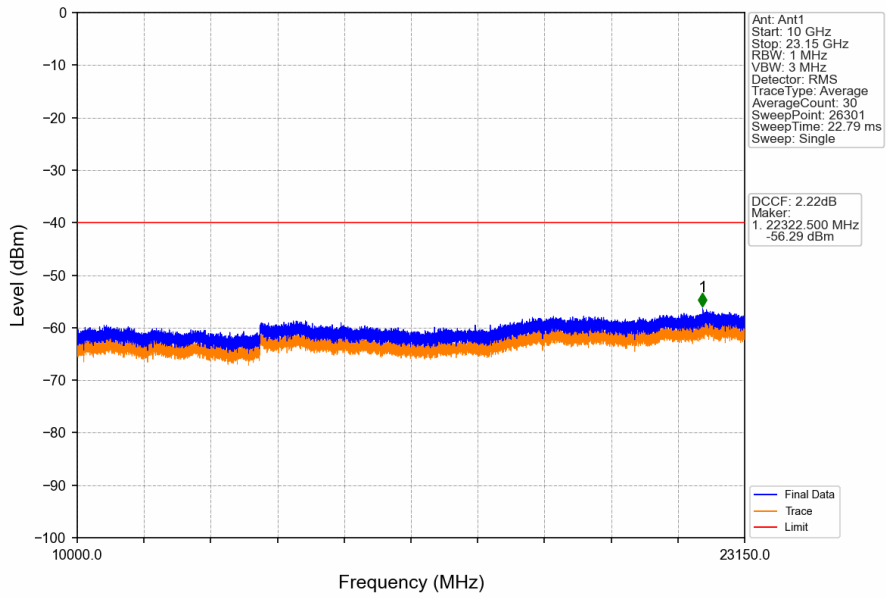
Band: 40a / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2310	1	0	Refer To Test Graph		Pass
			49	Refer To Test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



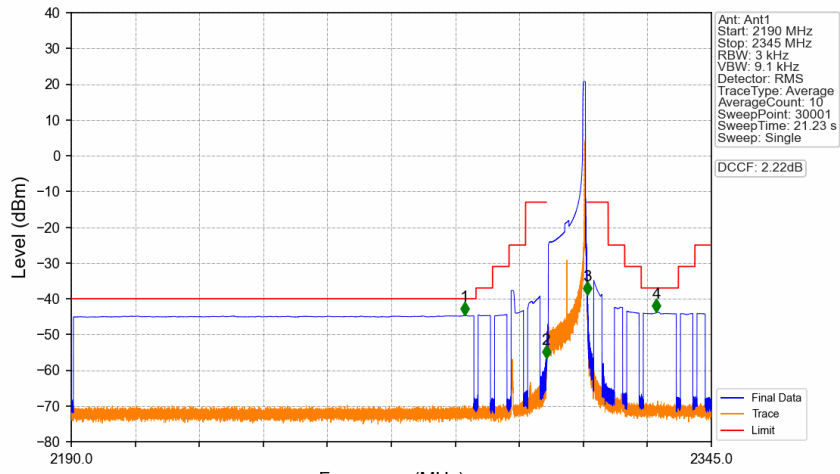
### 4.2.2 Test Graph



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

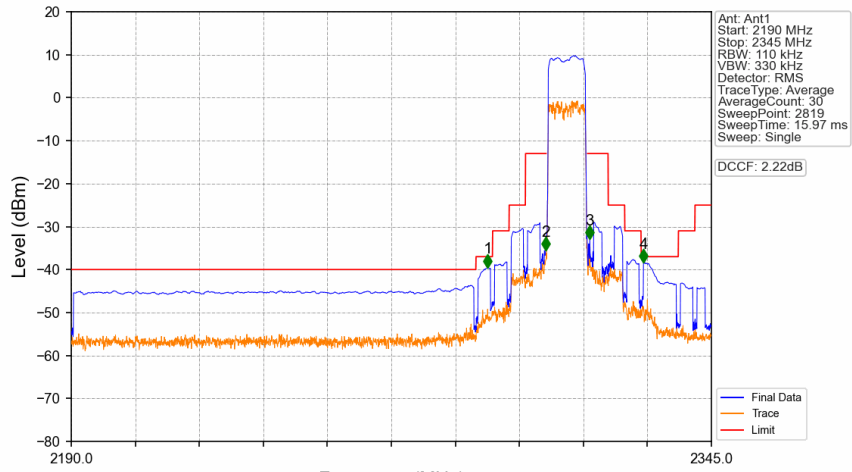


Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_1\_49\_NTNV

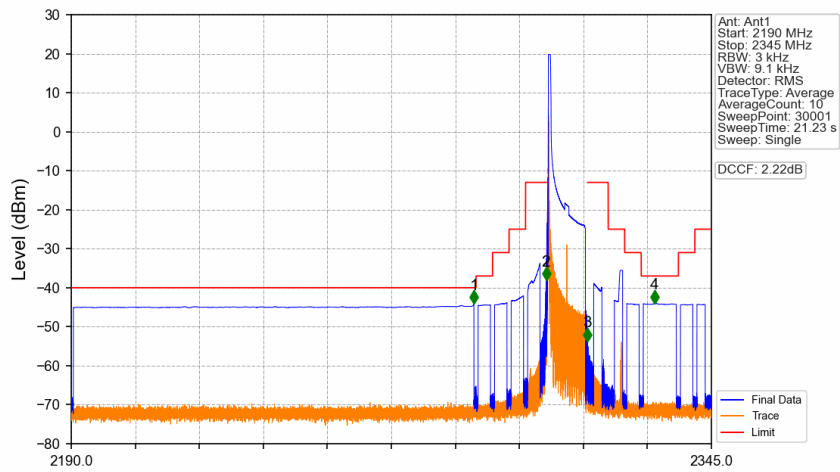


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2285.186	-44.69	-40	Pass
2304	2305	0.003	/	2	2305.000	-56.77	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	3	2315.013	-38.88	-13	Pass
2316	2345	1	CHP	4	2331.701	-43.77	-37	Pass

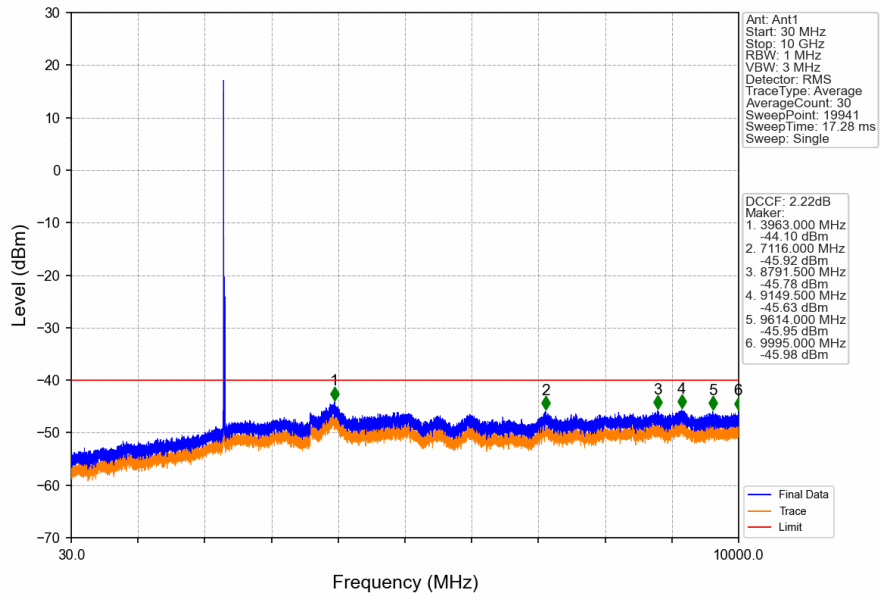
Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_50\_0\_NTNV



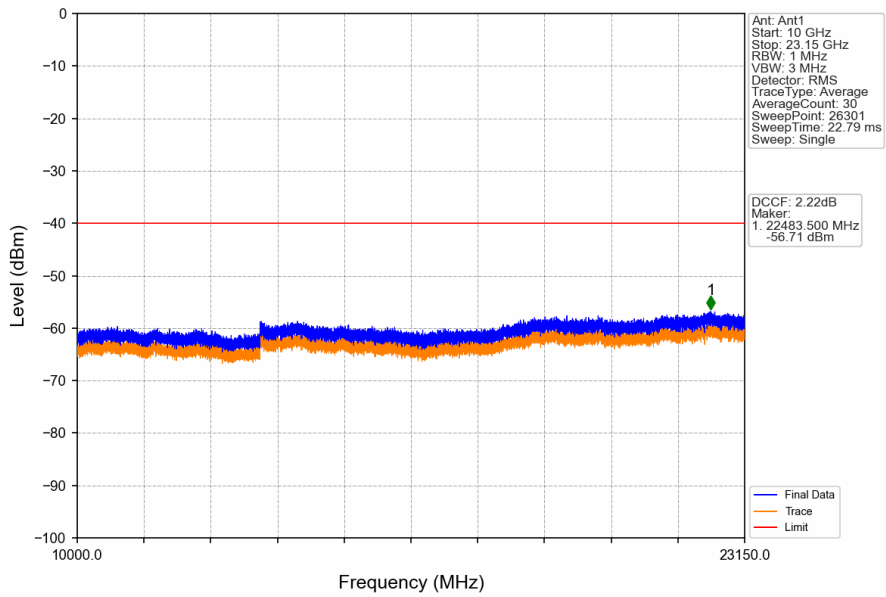
Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



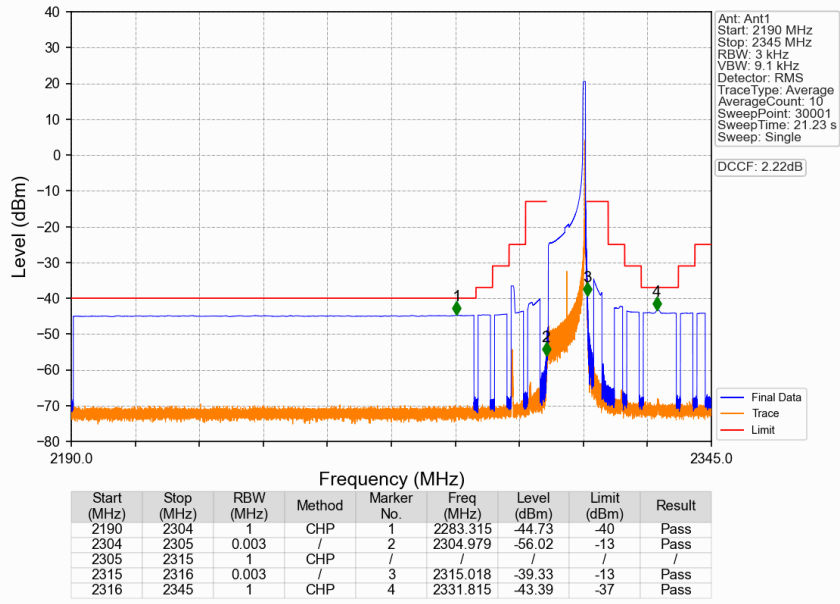
Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



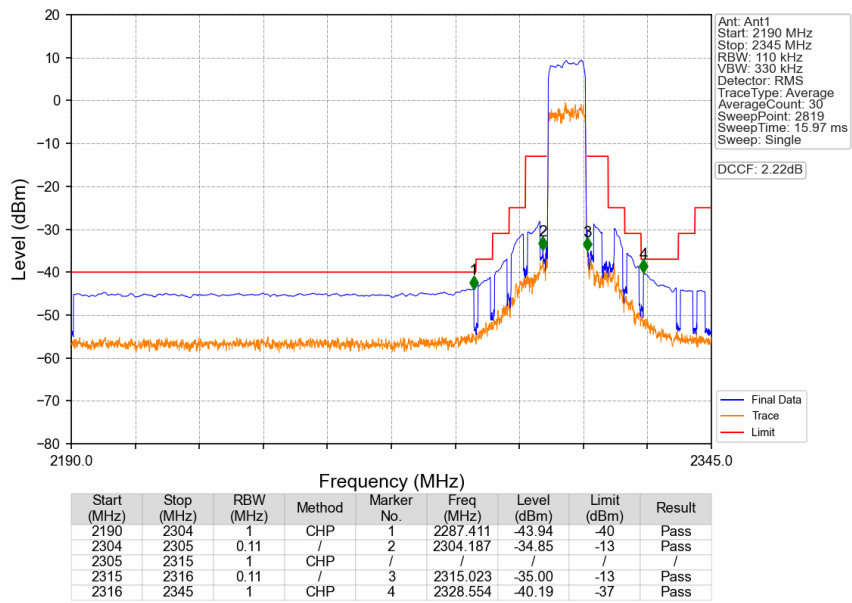
Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_0\_NTNV



Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_1\_49\_NTNV



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



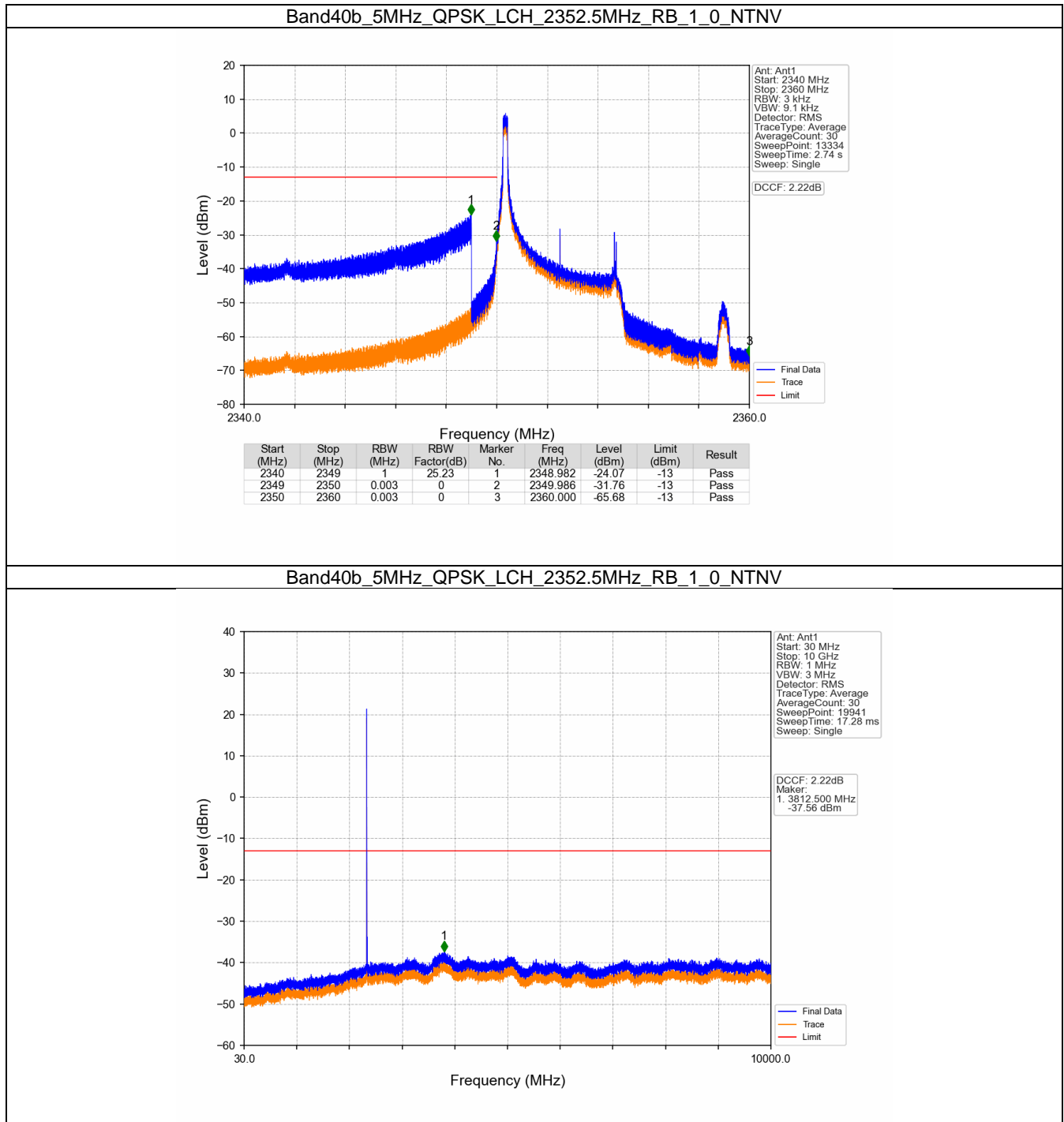
## 5. Spurious Emission

### 5.1 B40b\_5MHz

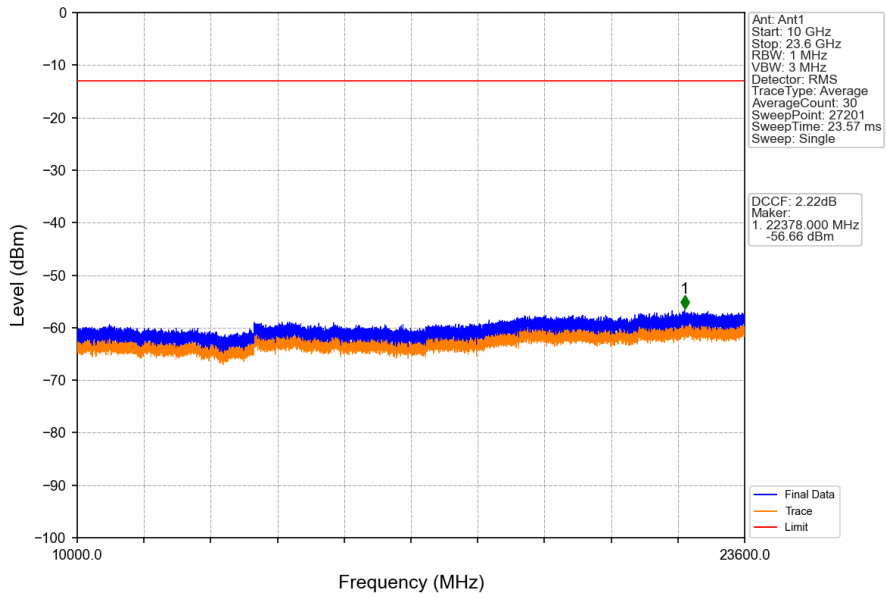
#### 5.1.1 Test Result

Band: 40b / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2352.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2357.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	2352.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2357.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

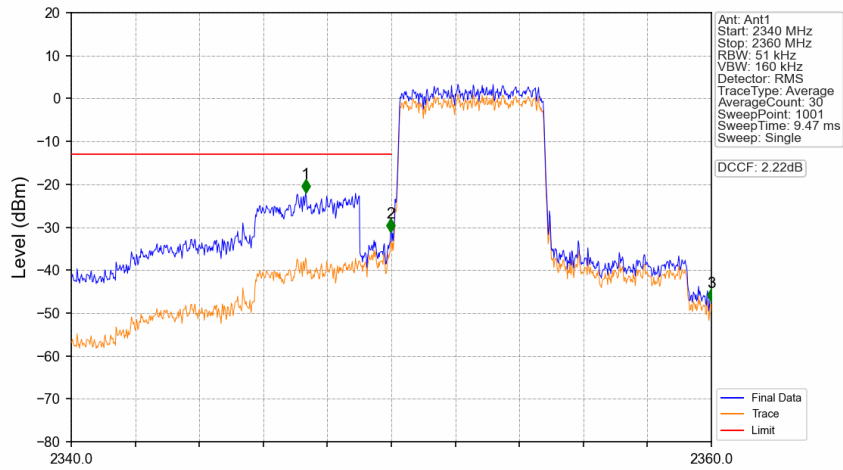
### 5.1.2 Test Graph



Band40b\_5MHz\_QPSK\_LCH\_2352.5MHz\_RB\_1\_0\_NTNV



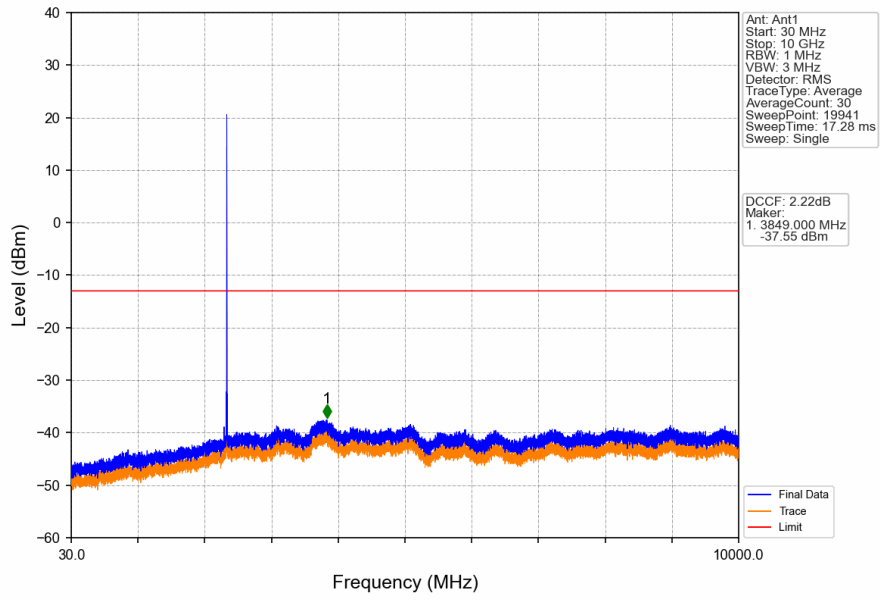
Band40b\_5MHz\_QPSK\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV



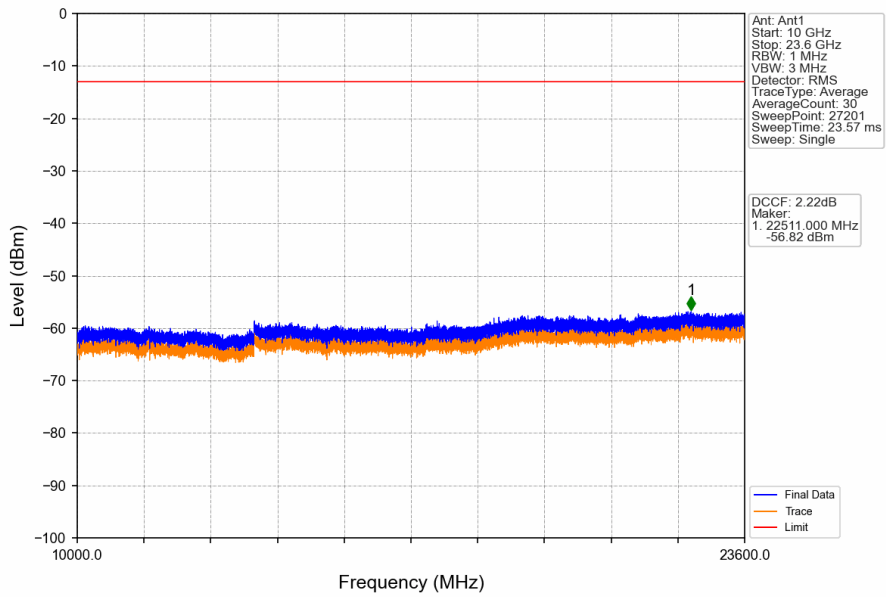
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2340	2349	1	12.92	1	2347.320	-22.02	-13	Pass
2349	2350	0.051	0	2	2349.980	-31.15	-13	Pass
2350	2360	0.051	0	3	2360.000	-47.44	-13	Pass



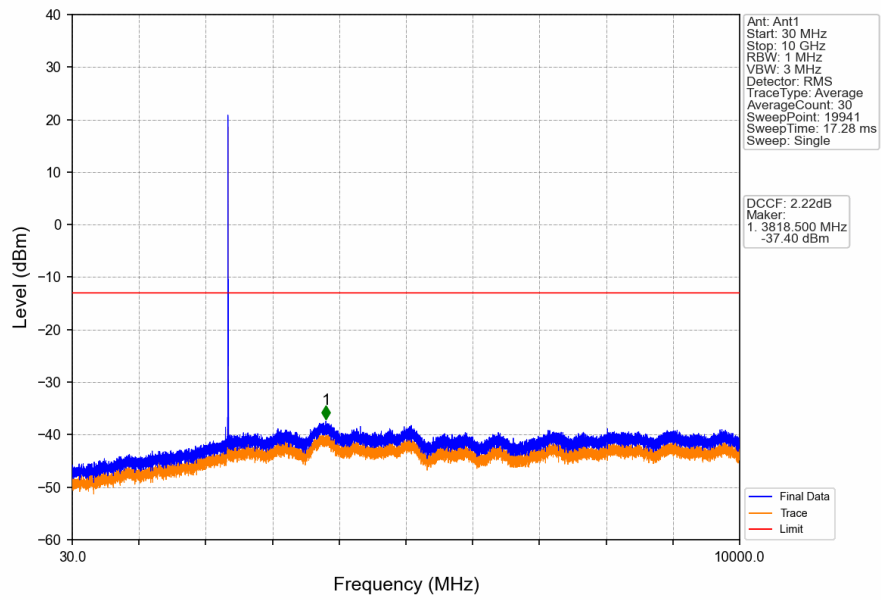
Band40b\_5MHz\_QPSK\_MCH\_2355MHz\_RB\_1\_0\_NTNV



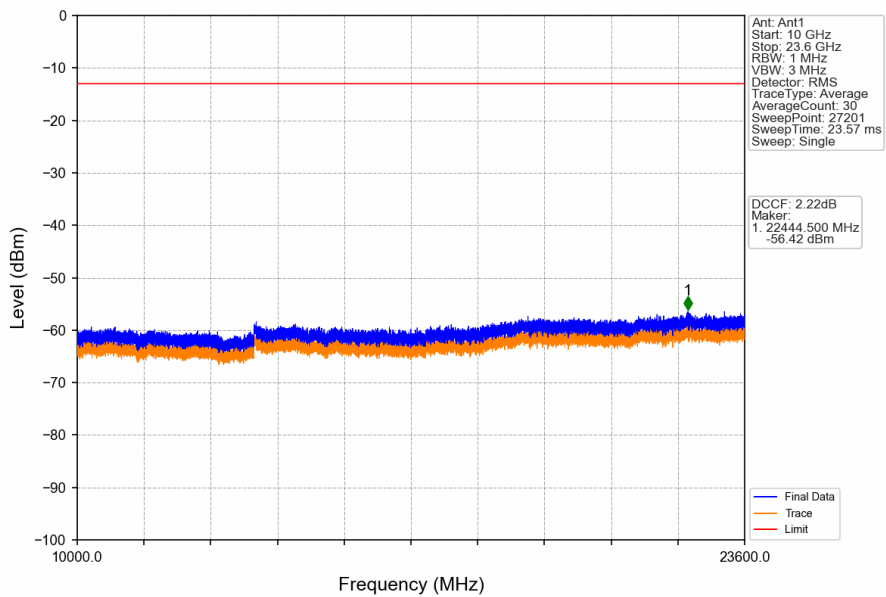
Band40b\_5MHz\_QPSK\_MCH\_2355MHz\_RB\_1\_0\_NTNV



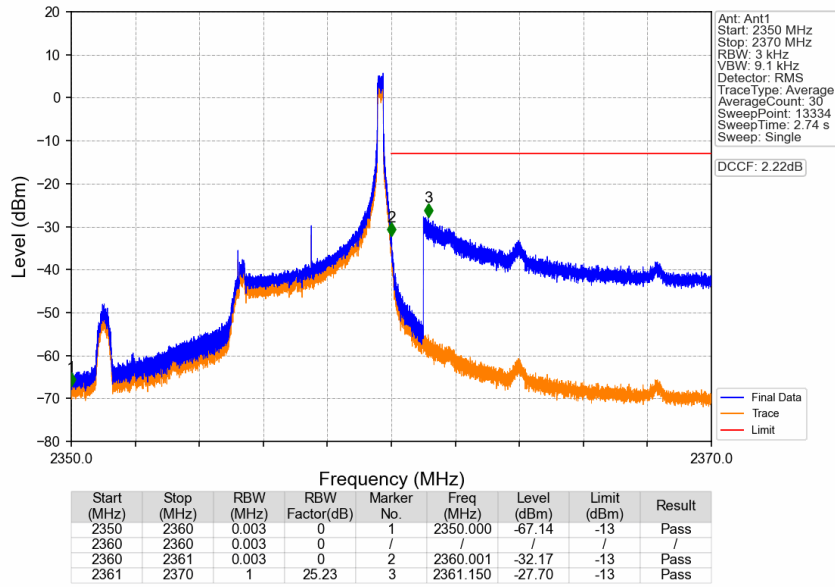
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_1\_0\_NTNV



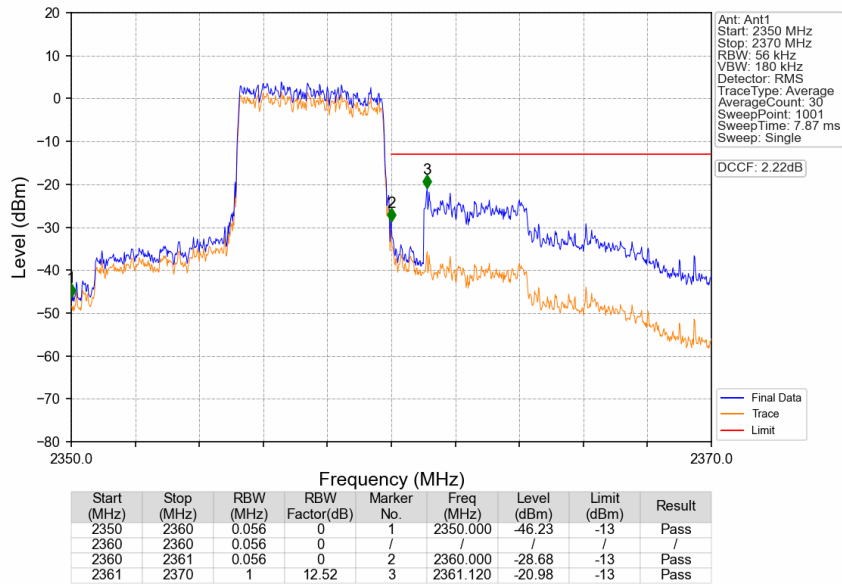
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_1\_0\_NTNV



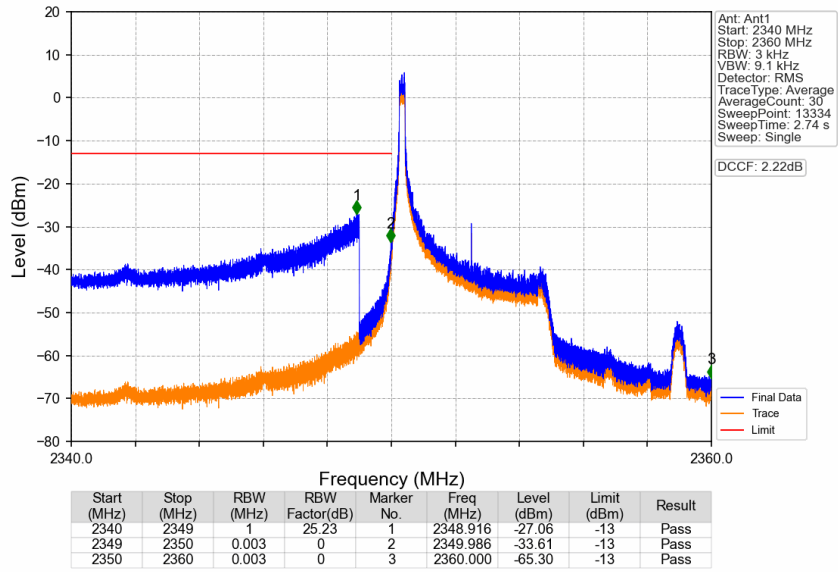
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_1\_24\_NTNV



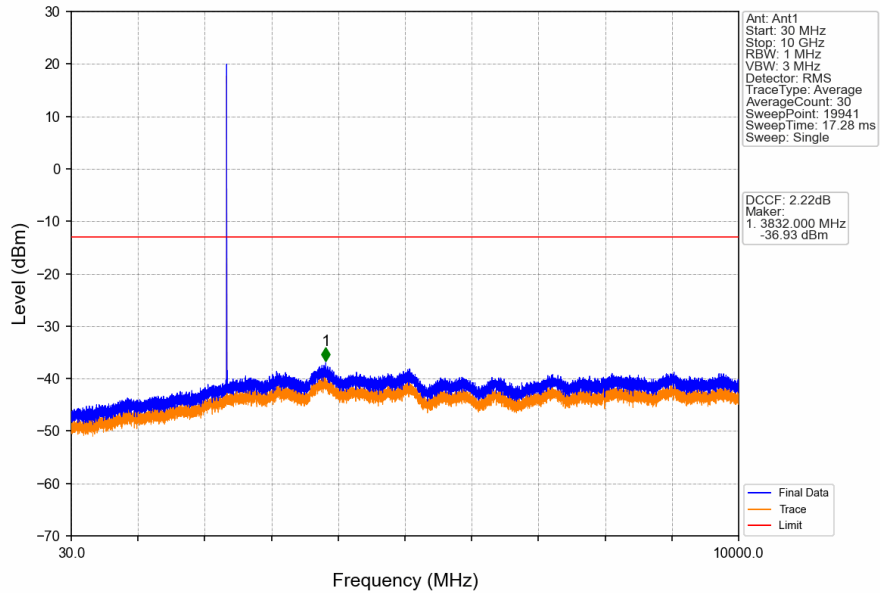
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



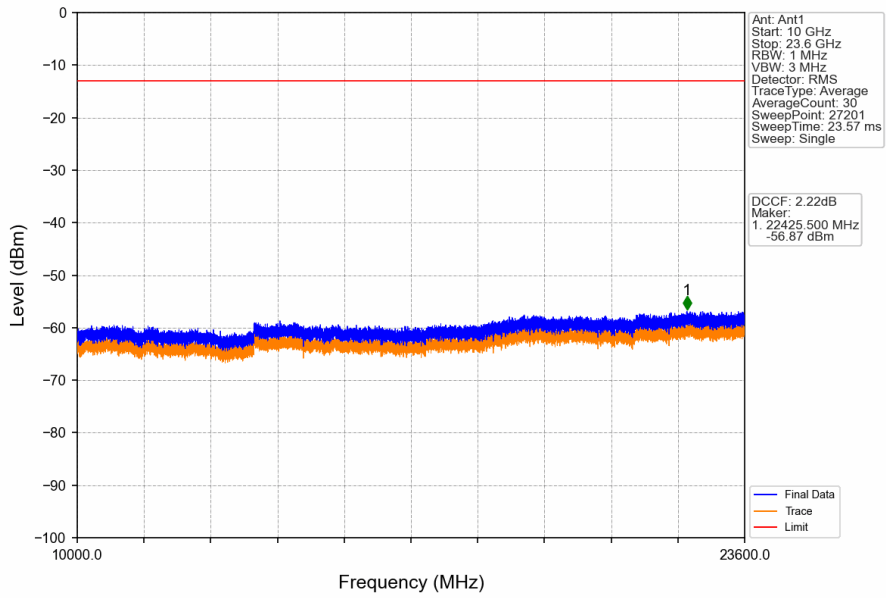
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_1\_0\_NTNV



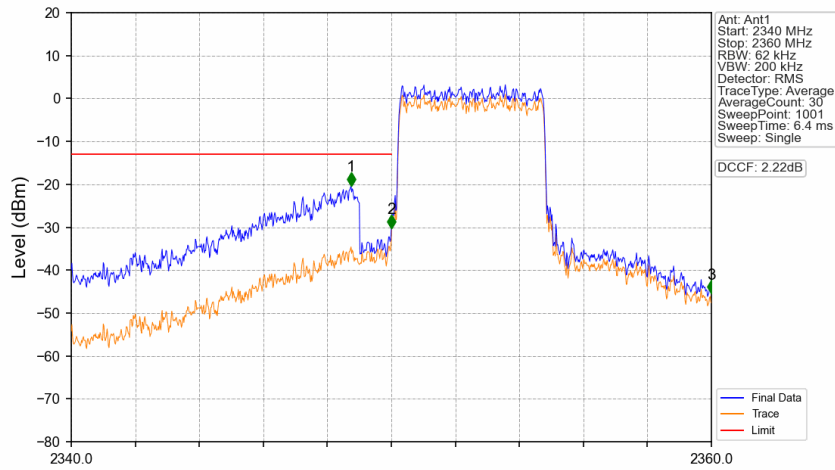
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_1\_0\_NTNV



Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_1\_0\_NTNV

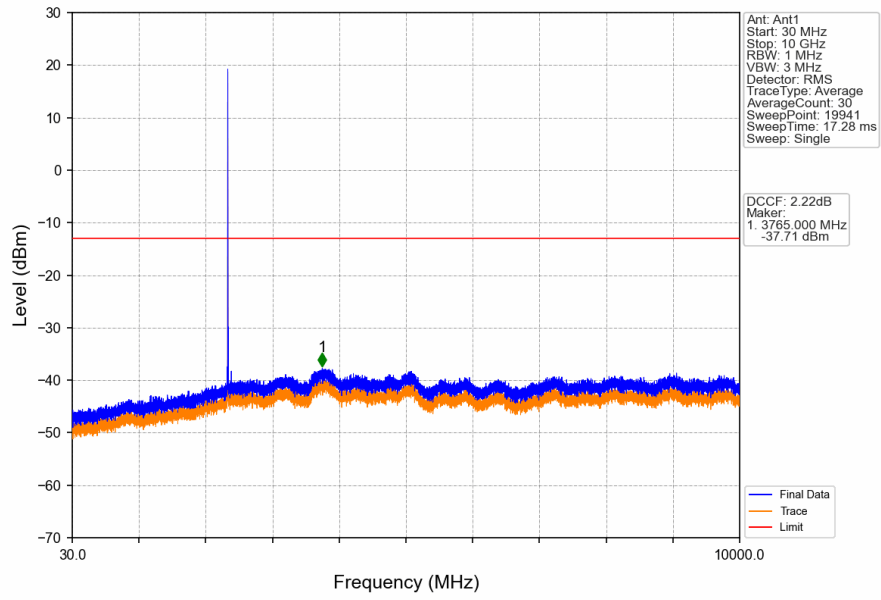


Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV

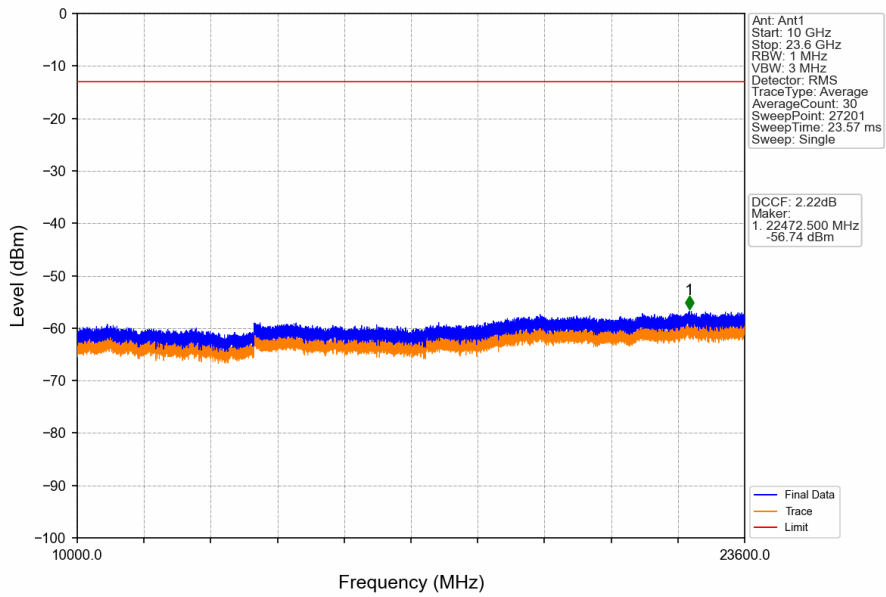


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2340	2349	1	12.08	1	2348.740	-20.31	-13	Pass
2349	2350	0.062	0	2	2350.000	-30.20	-13	Pass
2350	2360	0.062	0	3	2360.000	-45.41	-13	Pass

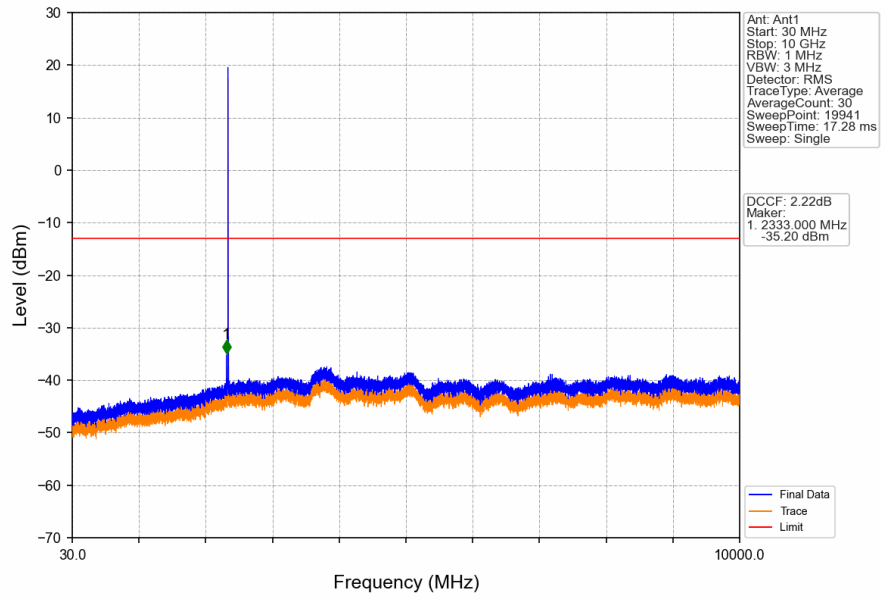
Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_1\_0\_NTNV



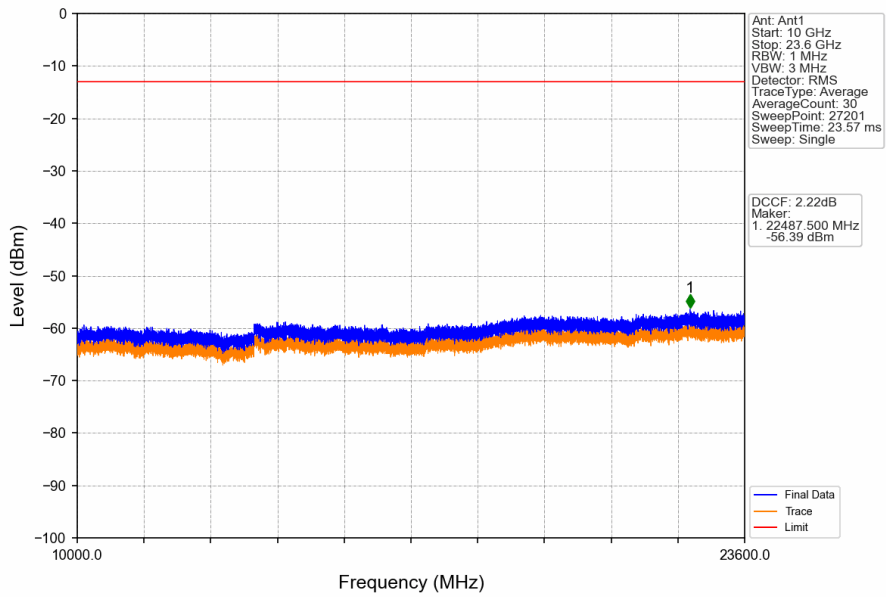
Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_1\_0\_NTNV



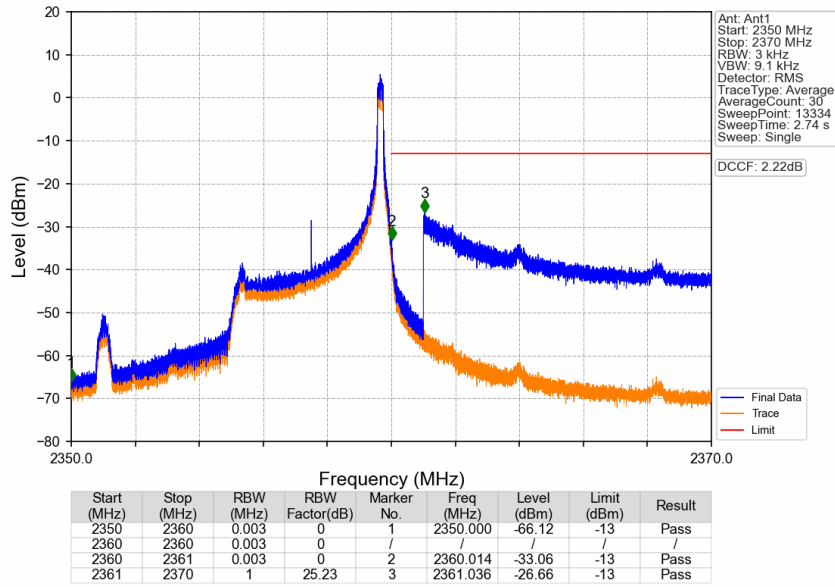
Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_1\_0\_NTNV



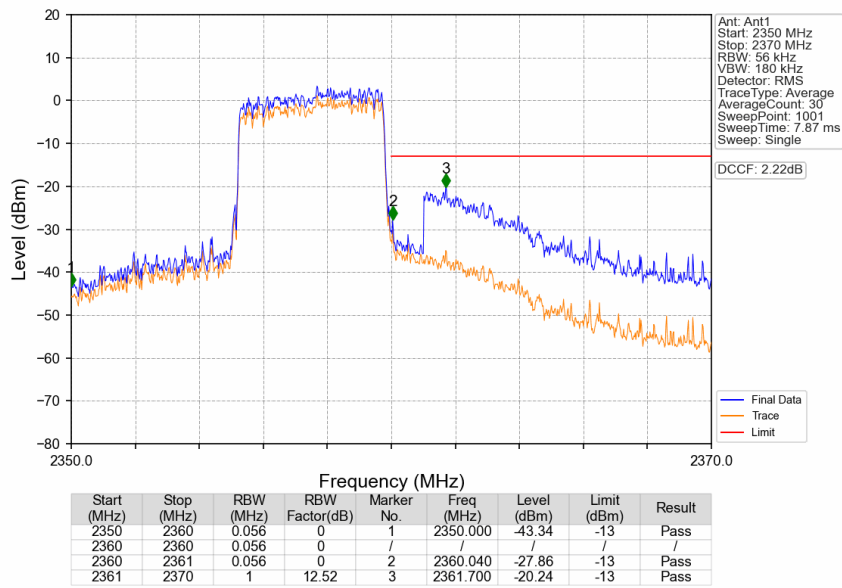
Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_1\_0\_NTNV



Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_1\_24\_NTNV



Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



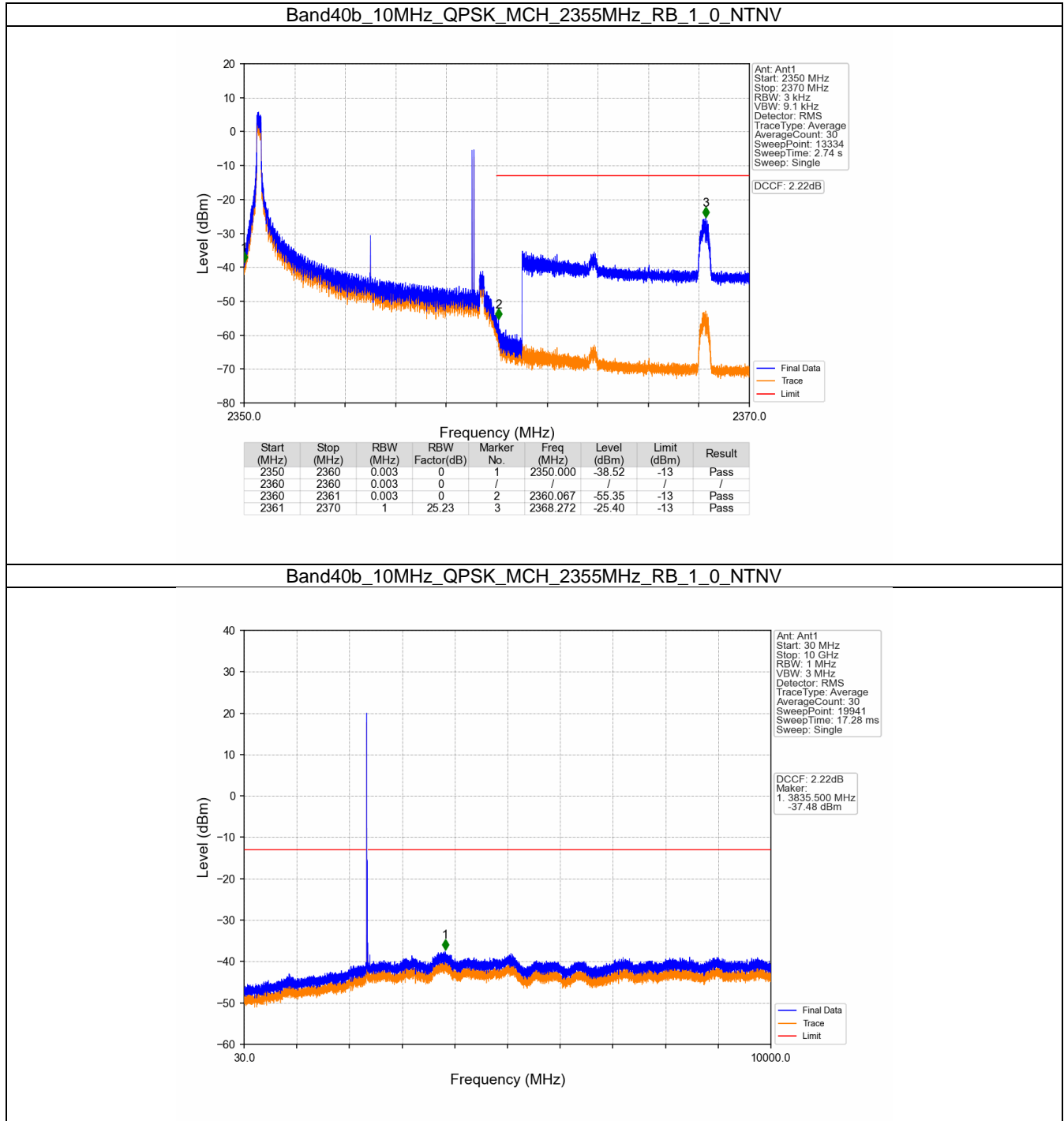


## 5.2 B40b\_10MHz

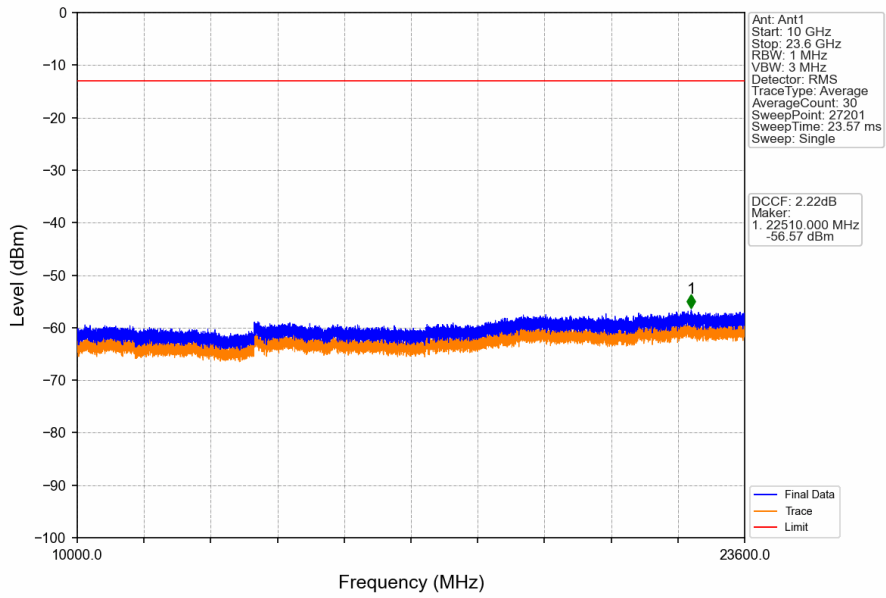
### 5.2.1 Test Result

Band: 40b / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2355	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2355	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

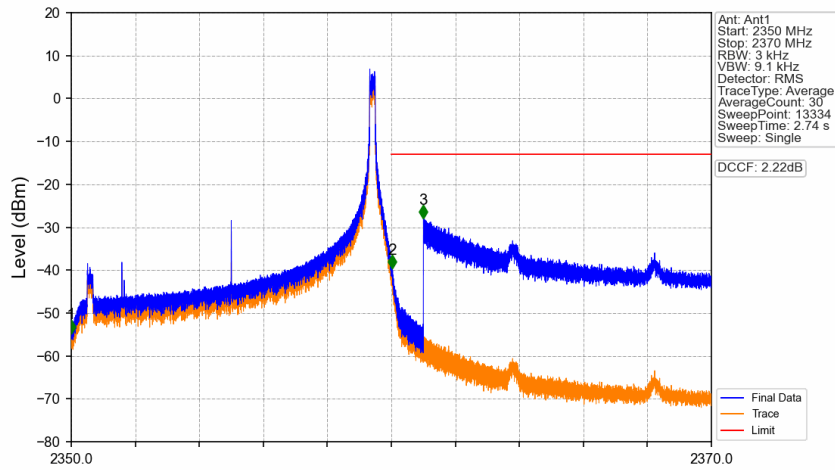
## 5.2.2 Test Graph



Band40b\_10MHz\_QPSK\_MCH\_2355MHz\_RB\_1\_0\_NTNV

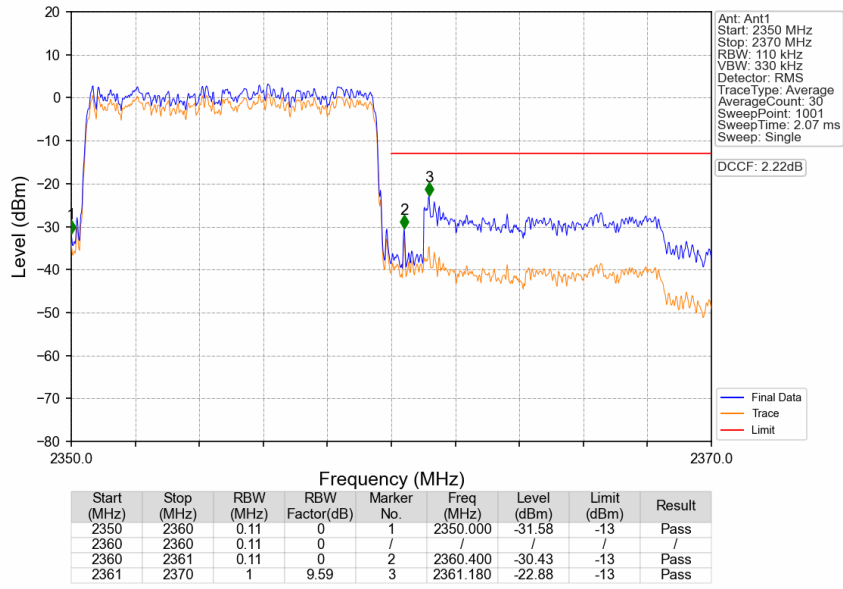


Band40b\_10MHz\_QPSK\_MCH\_2355MHz\_RB\_1\_49\_NTNV

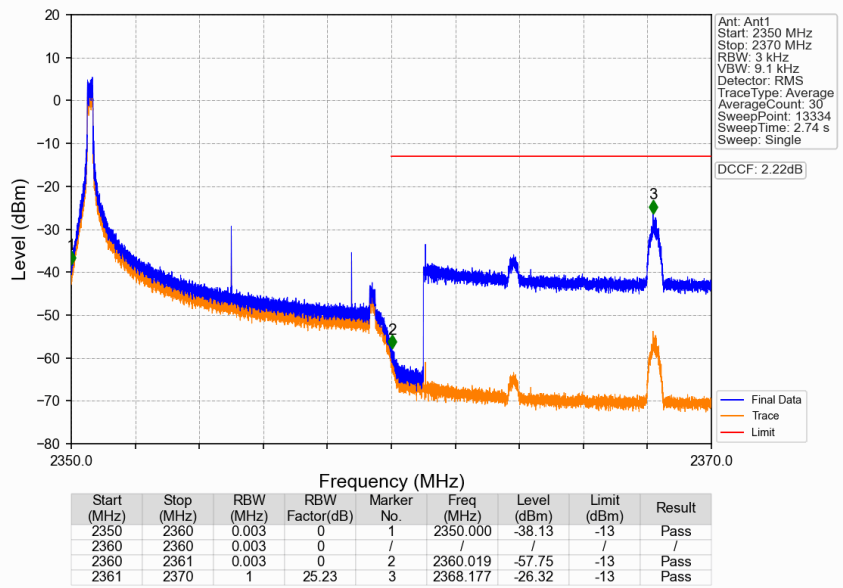


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2350	2360	0.003	0	1	2350.000	-54.70	-13	Pass
2360	2360	0.003	0	/	/	/	/	/
2360	2361	0.003	0	2	2360.026	-39.61	-13	Pass
2361	2370	1	25.23	3	2361.003	-27.94	-13	Pass

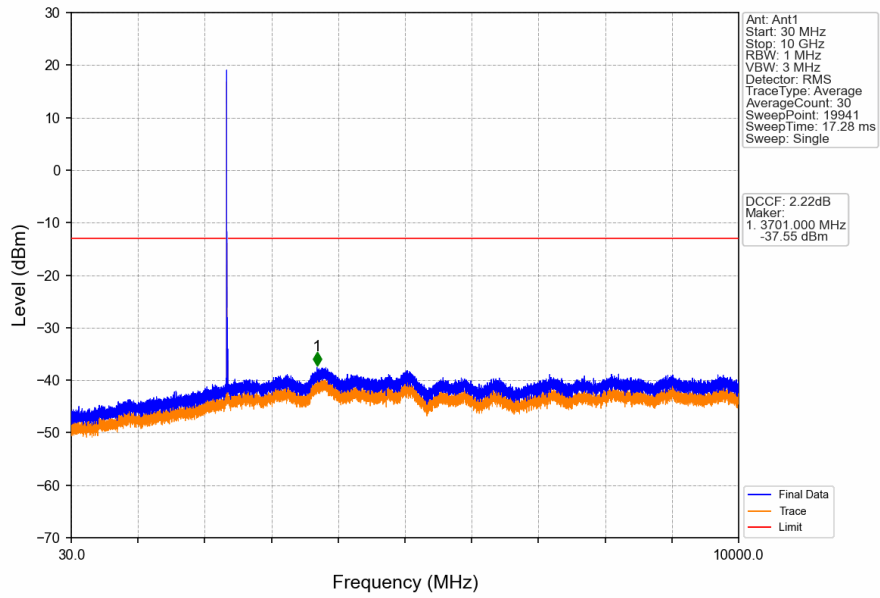
Band40b\_10MHz\_QPSK\_MCH\_2355MHz\_RB\_50\_0\_NTNV



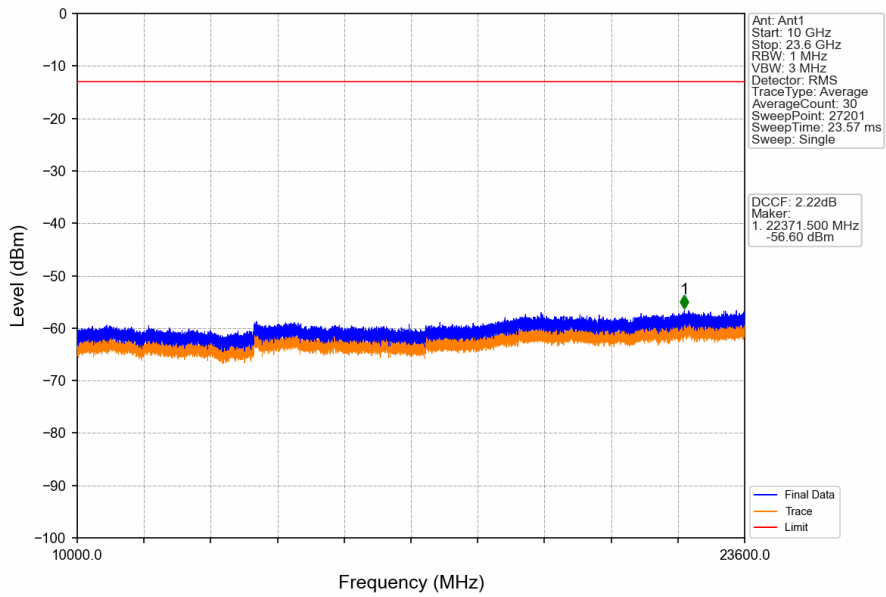
Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_1\_0\_NTNV



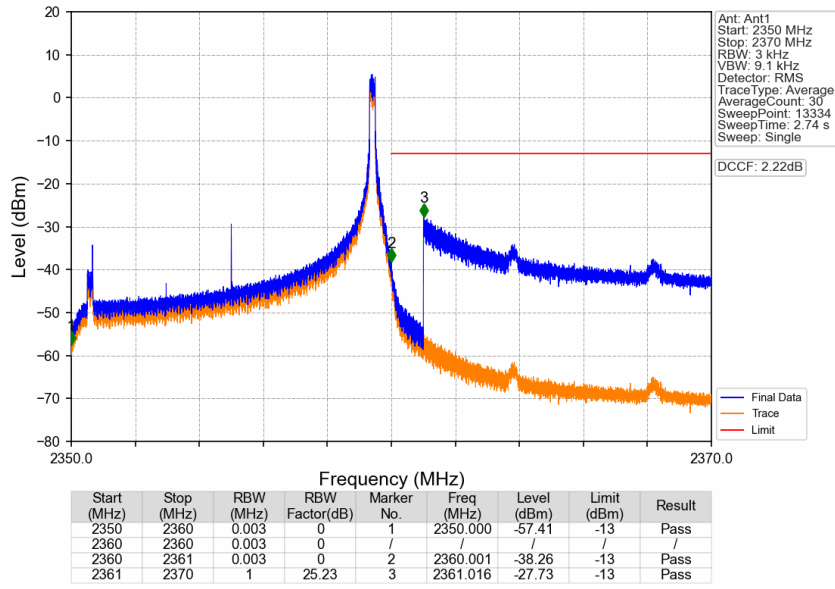
Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_1\_0\_NTNV



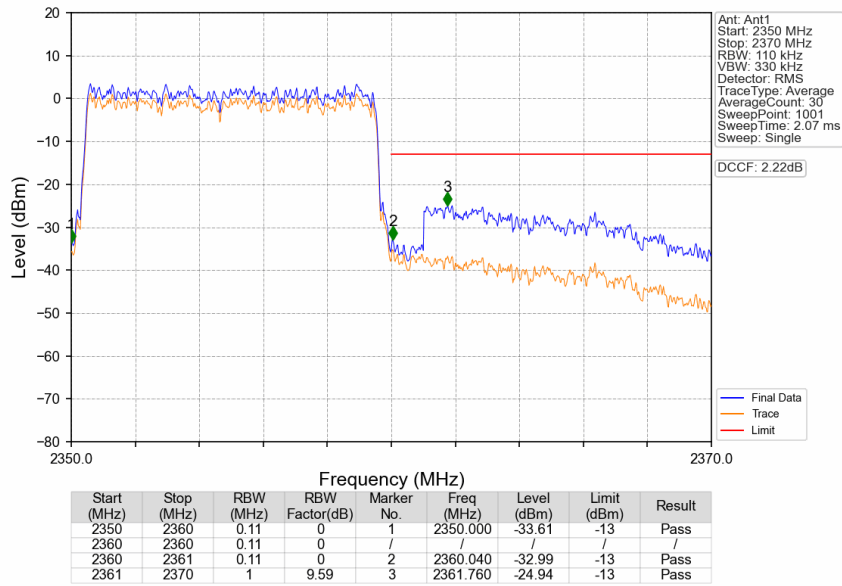
Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_1\_0\_NTNV



Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_1\_49\_NTNV



Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_50\_0\_NTNV



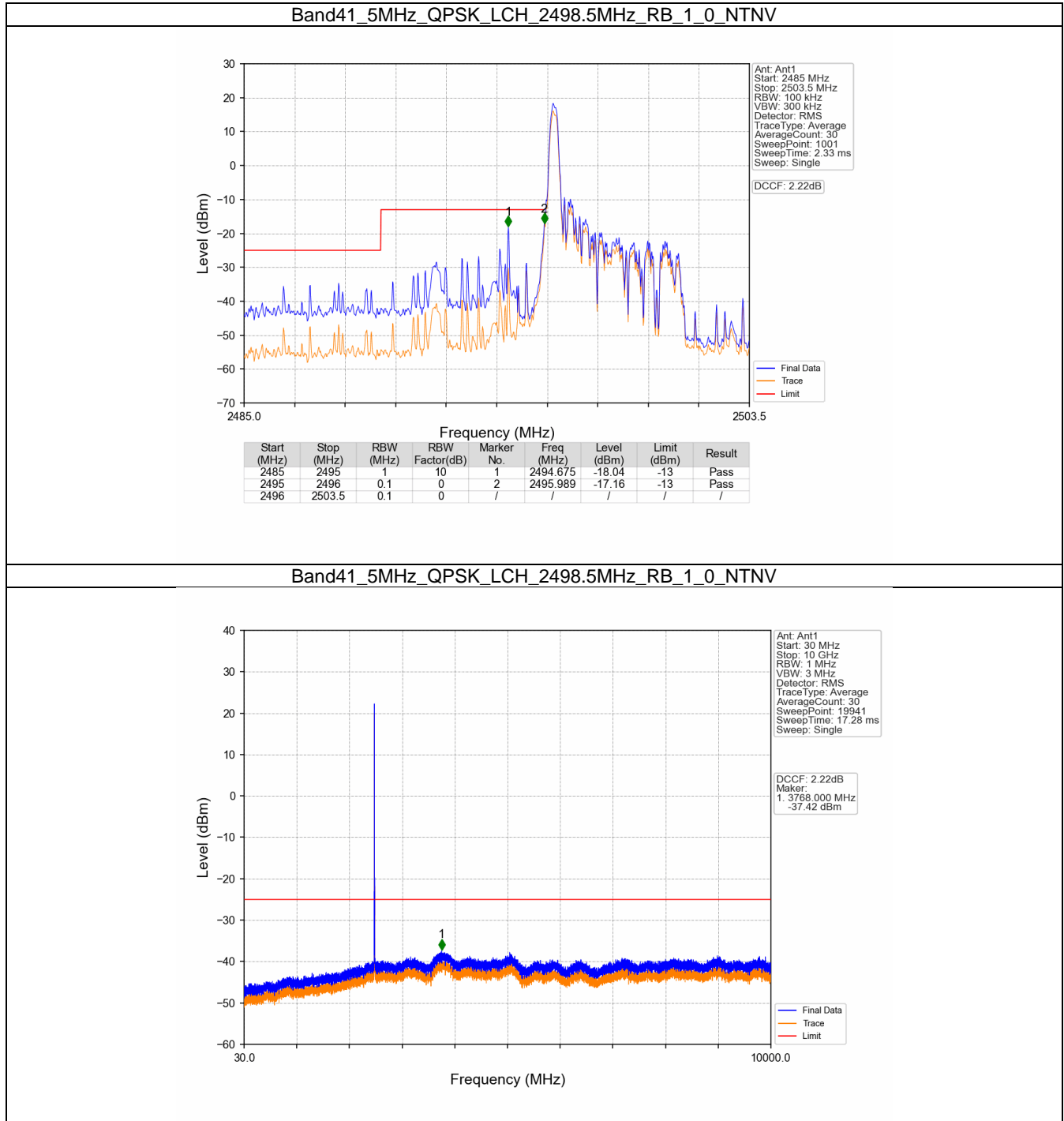
## 6. Spurious Emission

### 6.1 B41\_5MHz

#### 6.1.1 Test Result

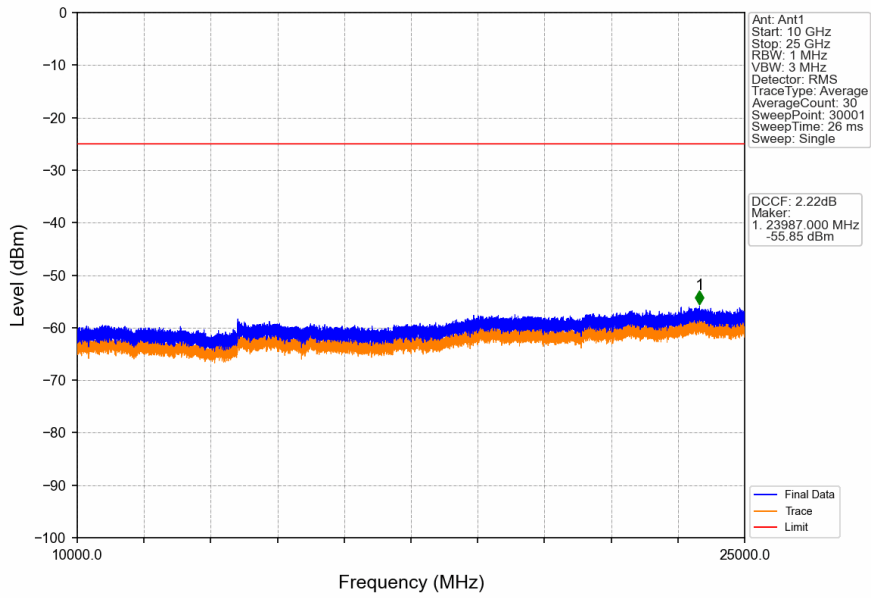
Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

### 6.1.2 Test Graph

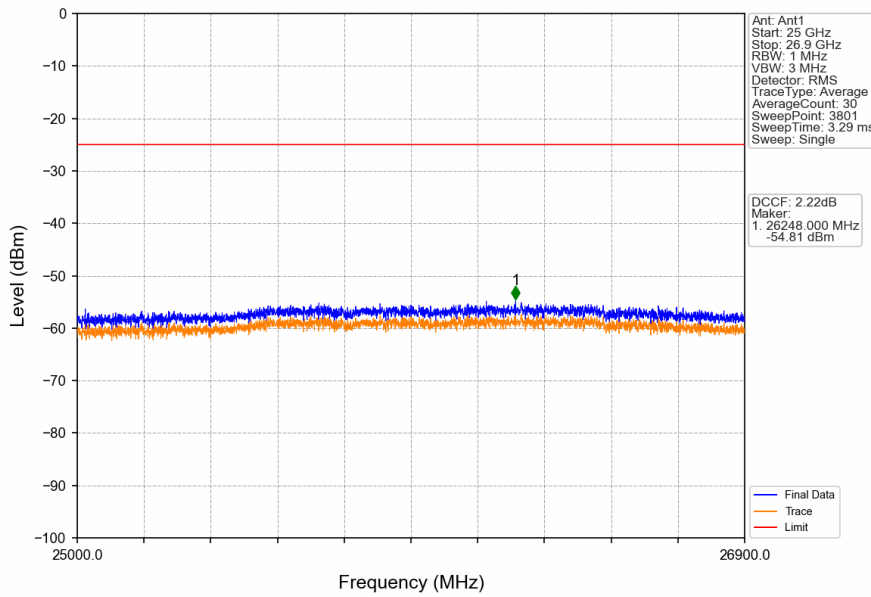




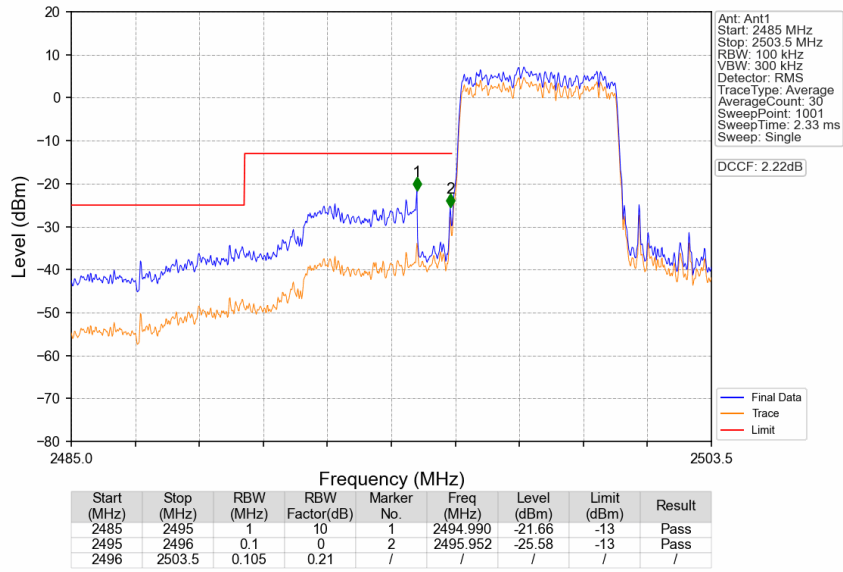
Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



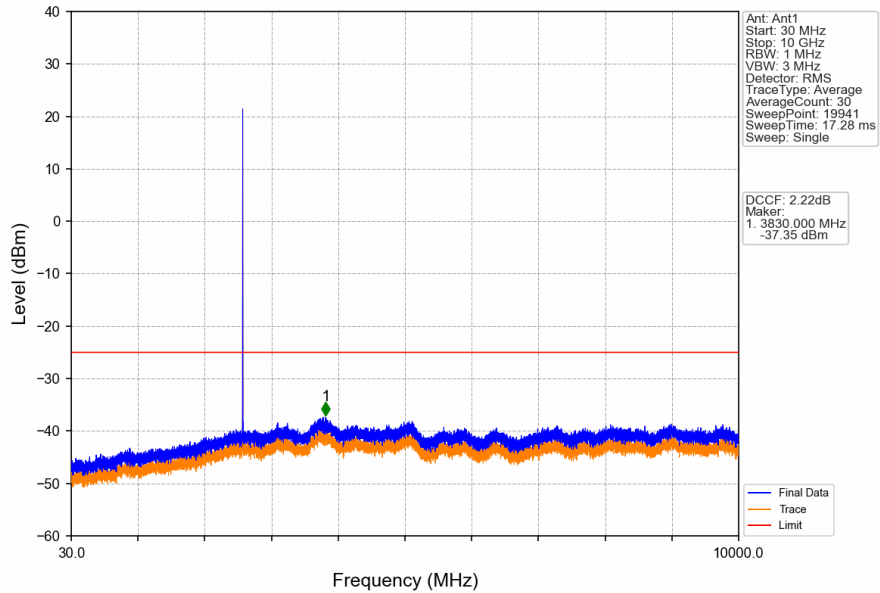
Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



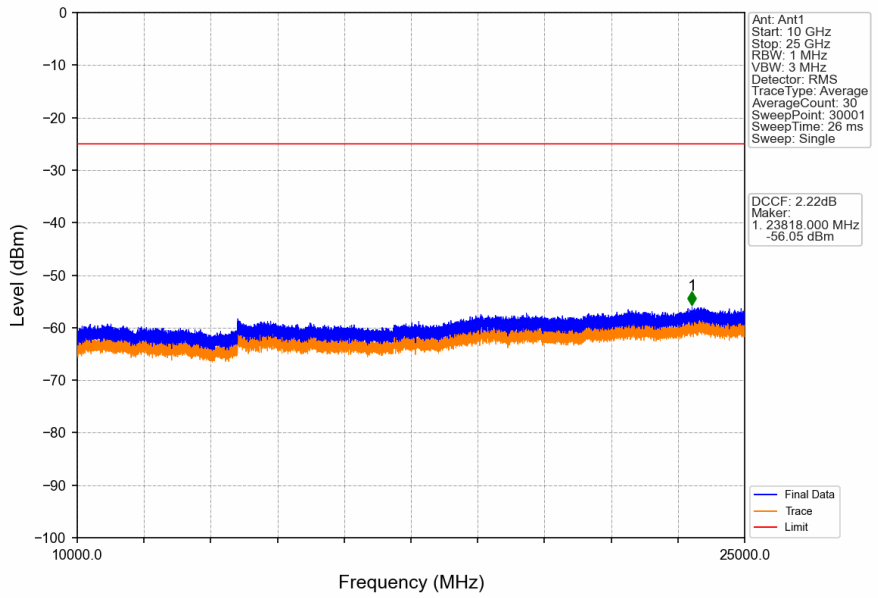
Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



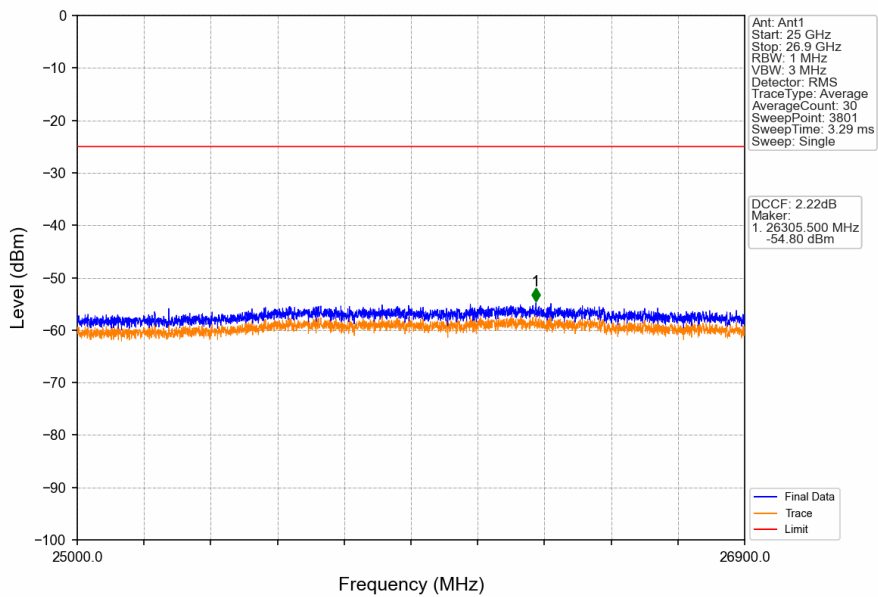
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



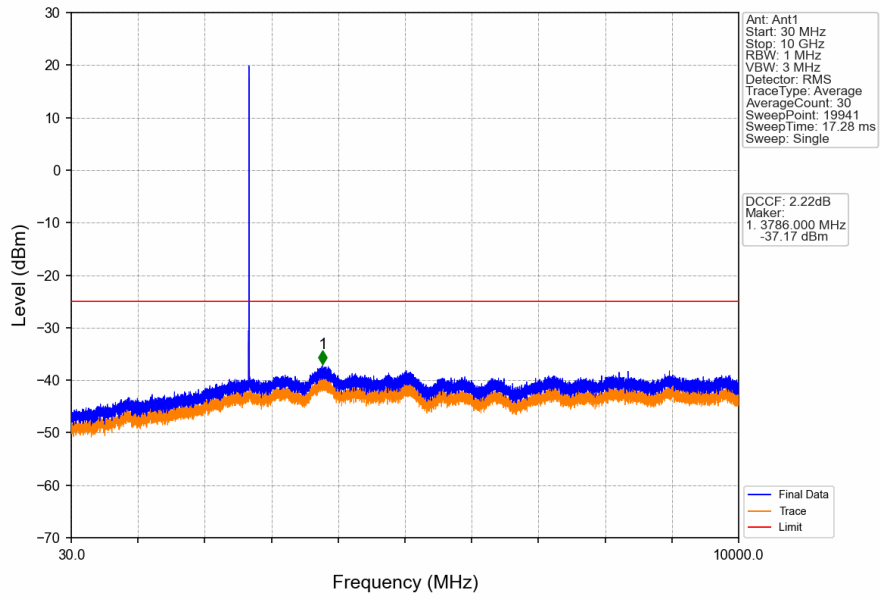
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



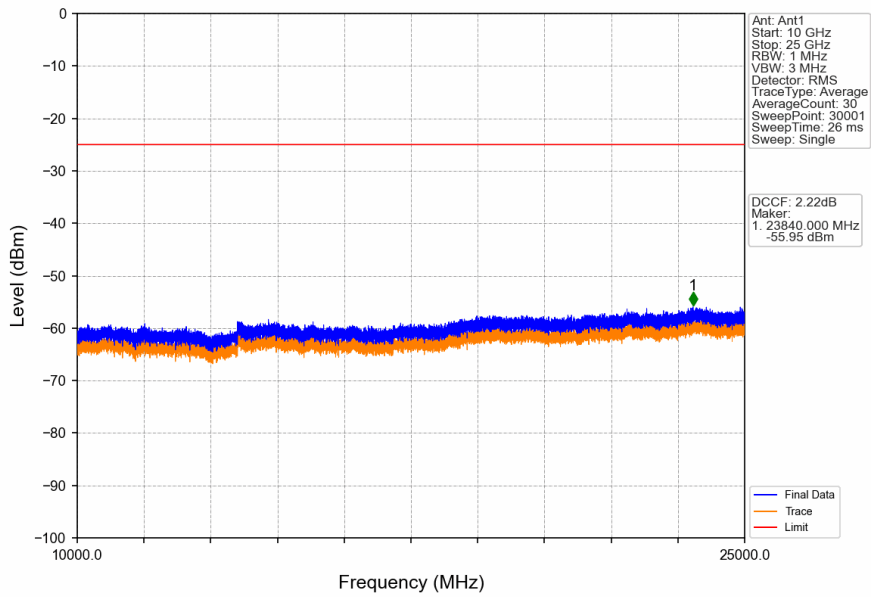
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



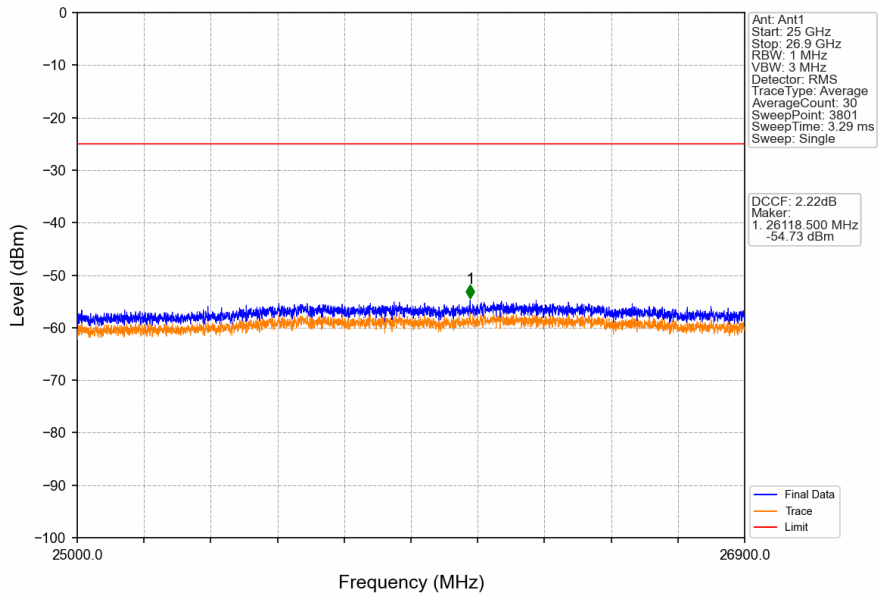
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



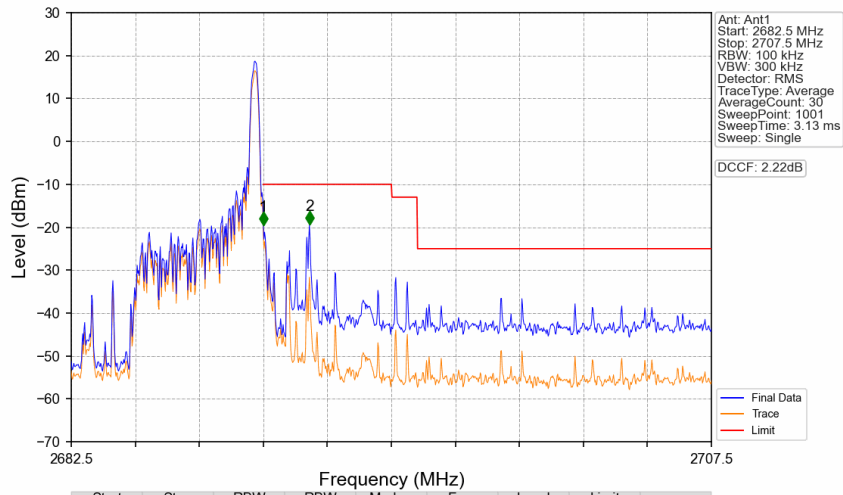
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV

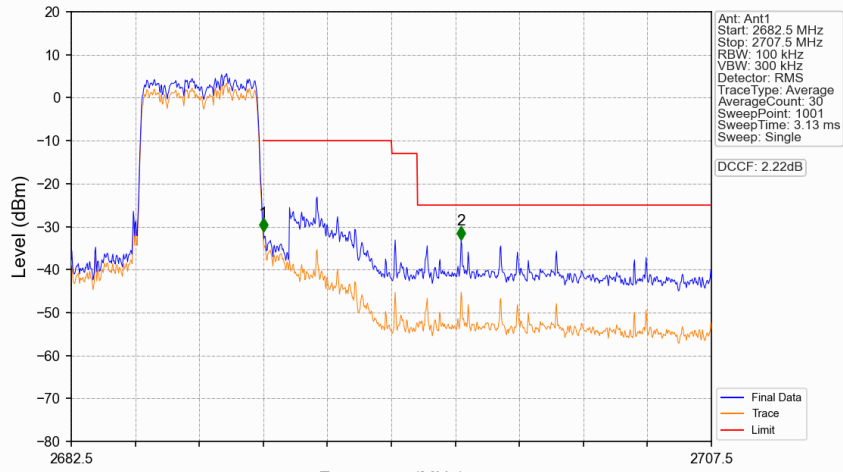


Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_24\_NTNV



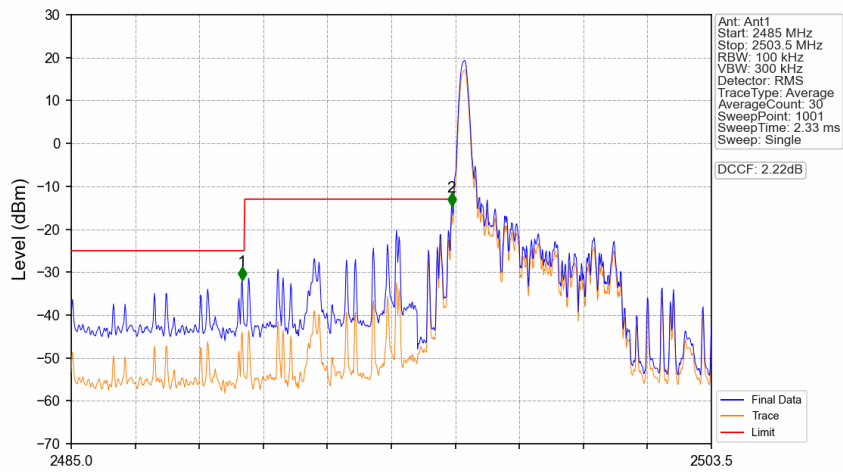
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	0	/	/	/	/	/
2690	2691	0.1	0	1	2690.000	-19.51	-10	Pass
2691	2707.5	1	10	2	2691.800	-19.45	-10	Pass

Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



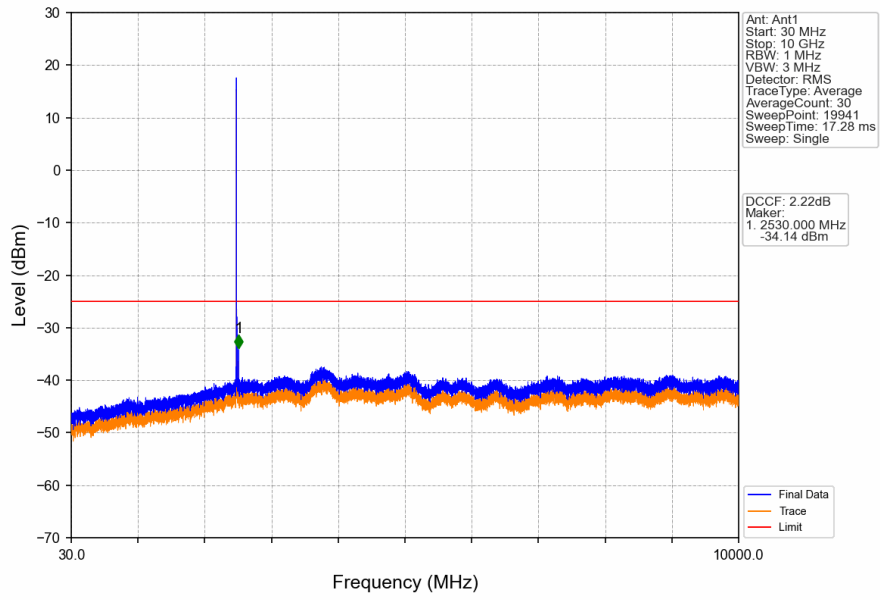
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	0	/	/	/	/	/
2690	2691	0.1	0	1	2690.000	-31.14	-10	Pass
2691	2707.5	1	10	2	2697.725	-33.02	-25	Pass

Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV

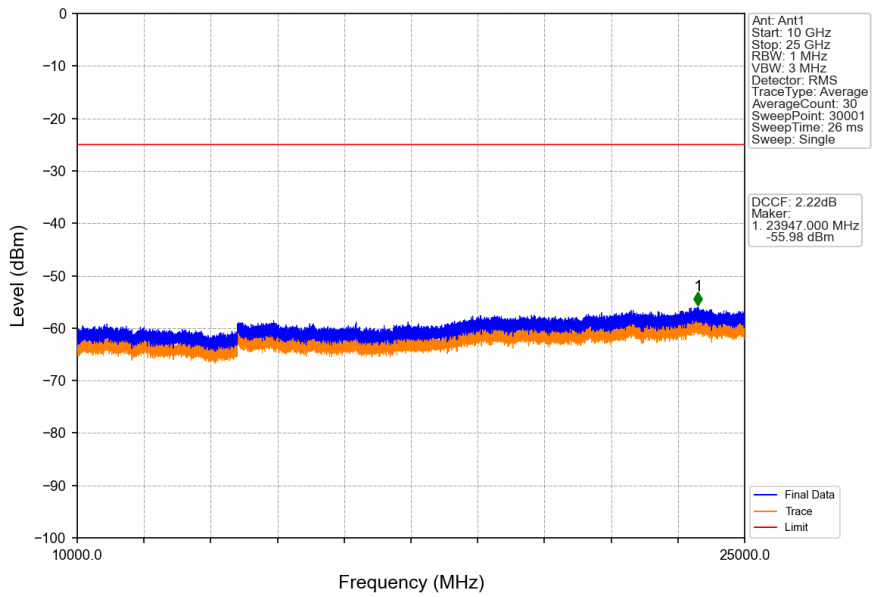


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	10	1	2489.939	-31.87	-25	Pass
2495	2496	0.1	0	2	2495.989	-14.64	-13	Pass
2496	2503.5	0.1	0	/	/	/	/	/

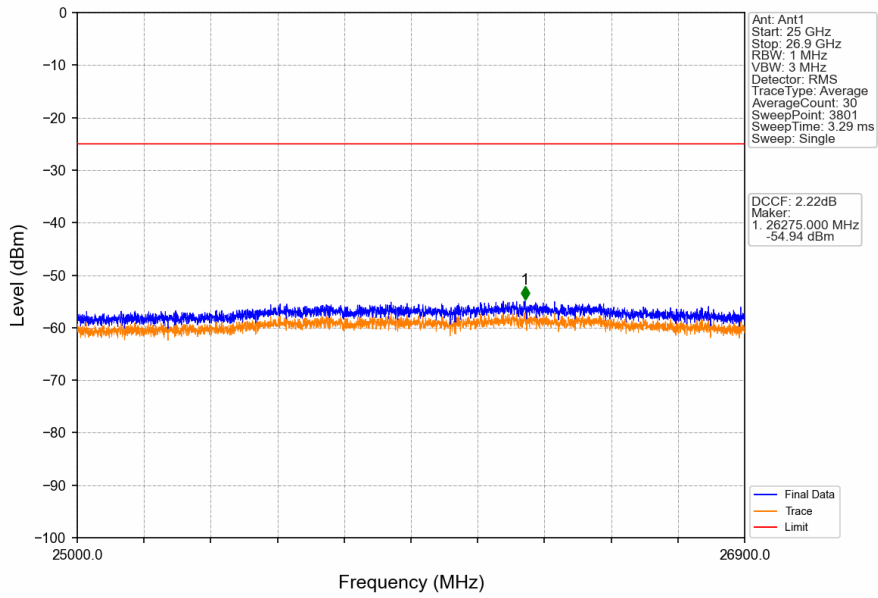
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTV



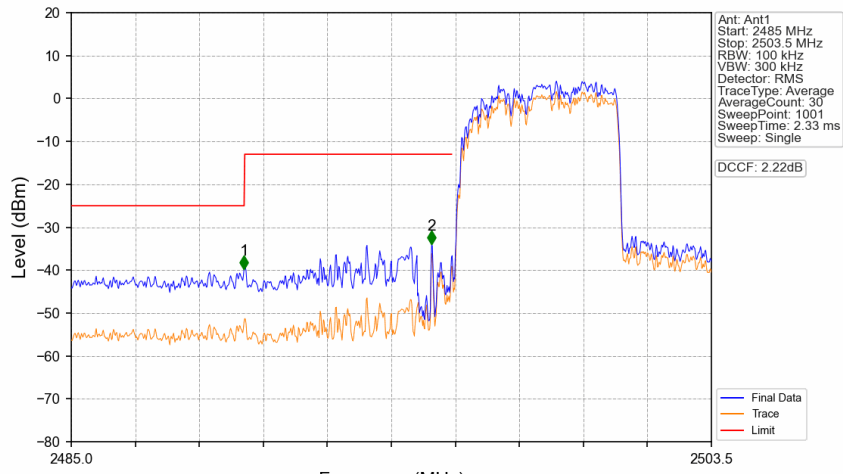
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTV



Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



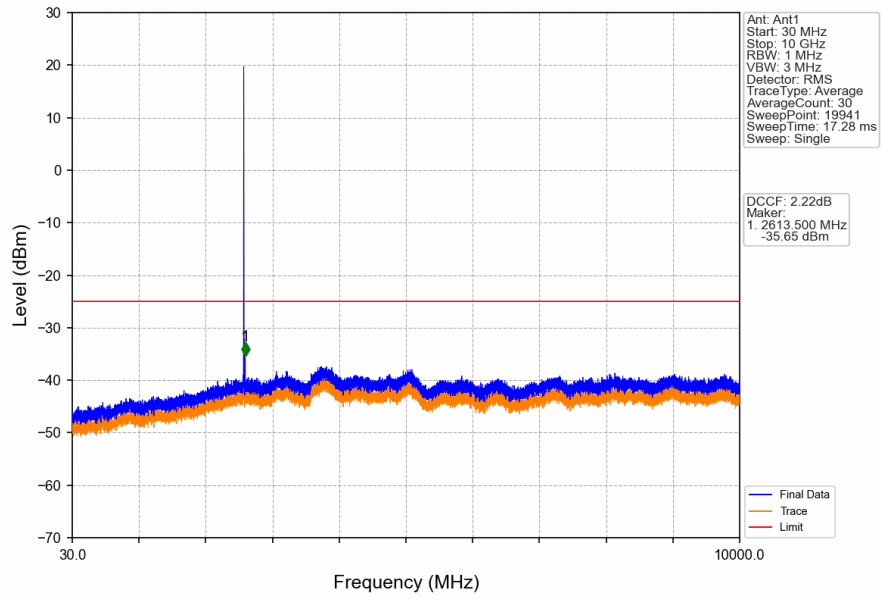
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



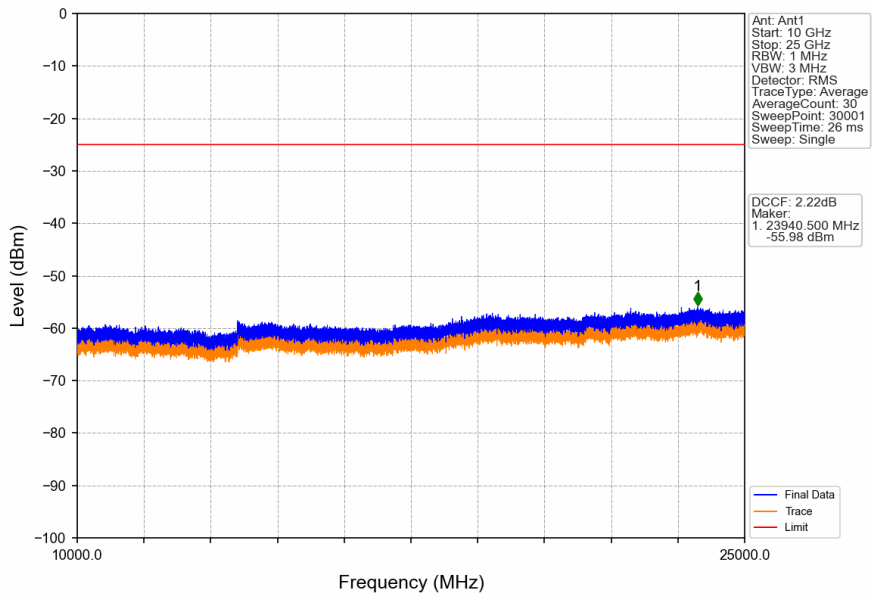
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	10	1	2489.995	-39.76	-25	Pass
2495	2496	0.1	0	2	2495.416	-33.93	-13	Pass
2496	2503.5	0.105	0.21	/	/	/	/	/



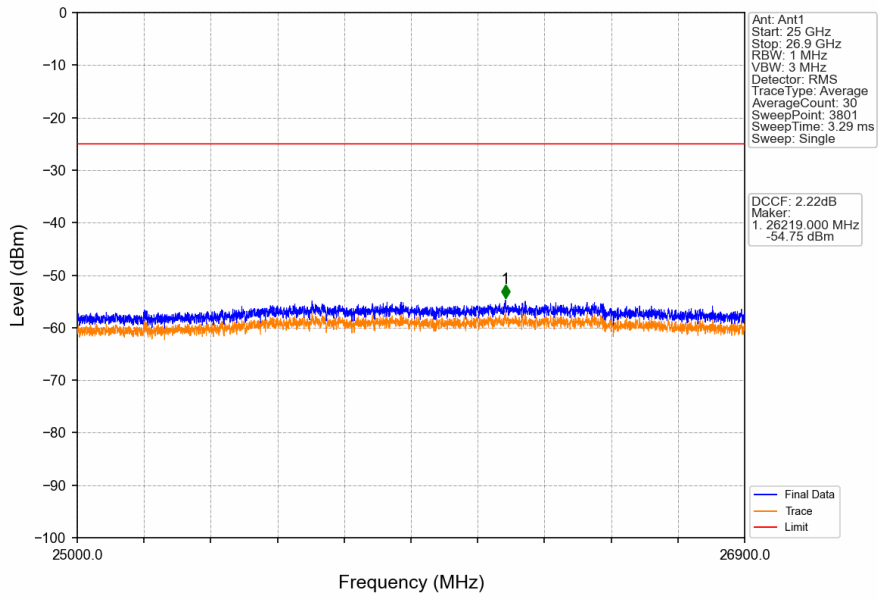
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



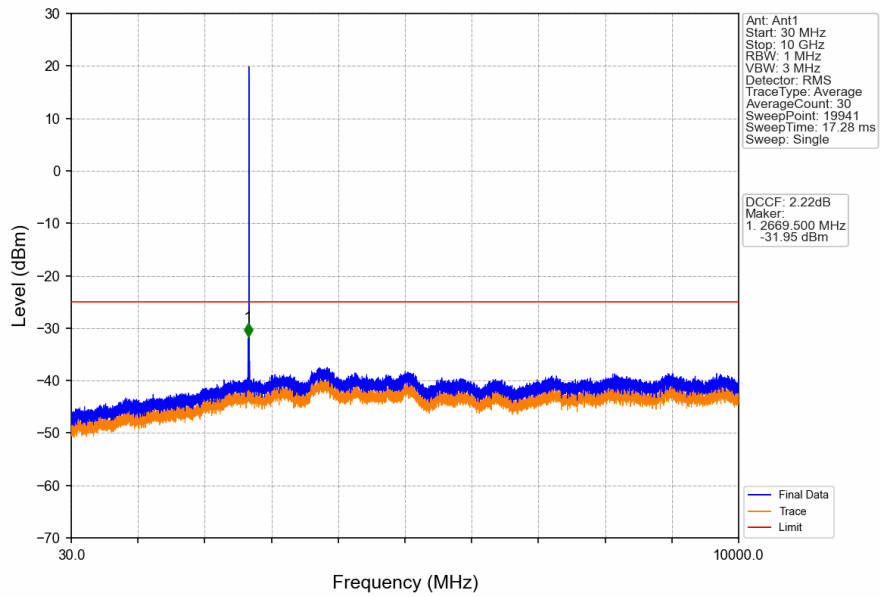
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



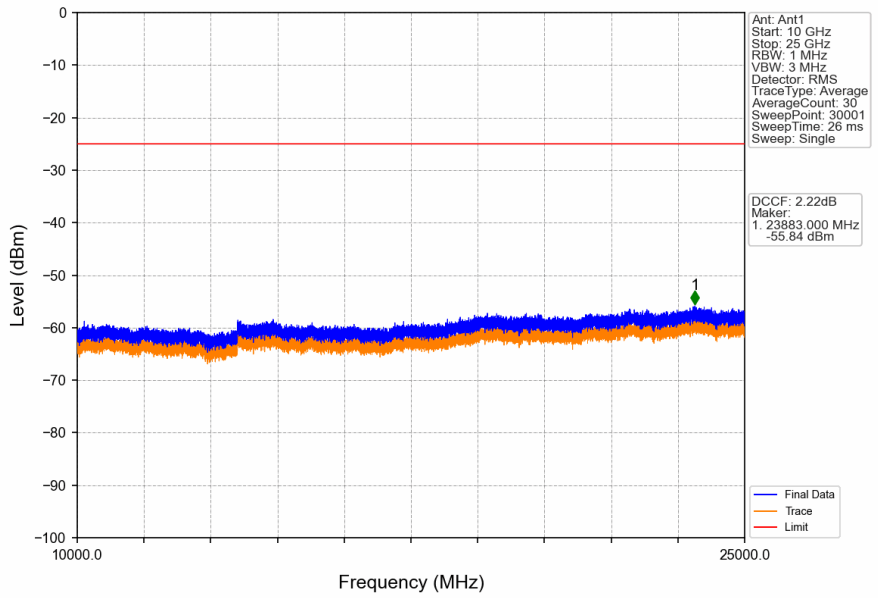
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



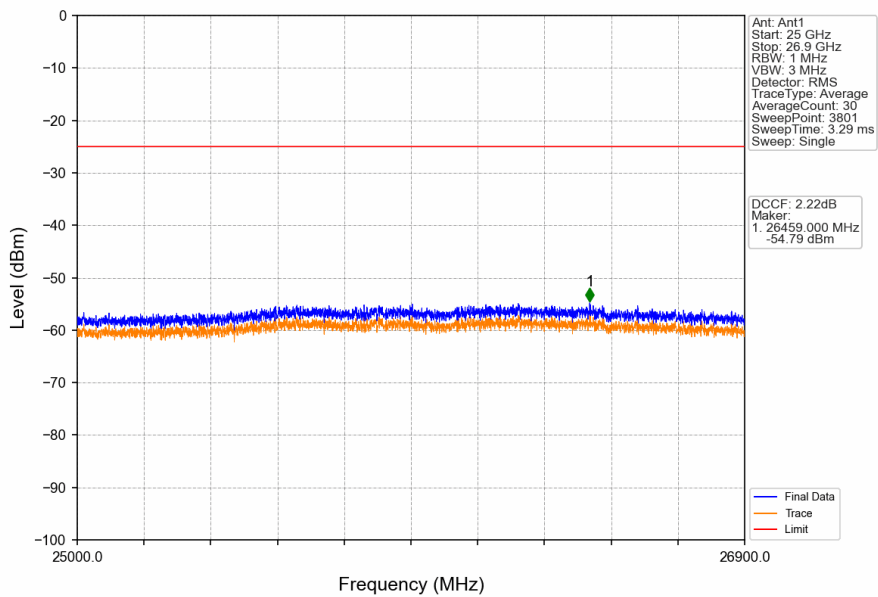
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



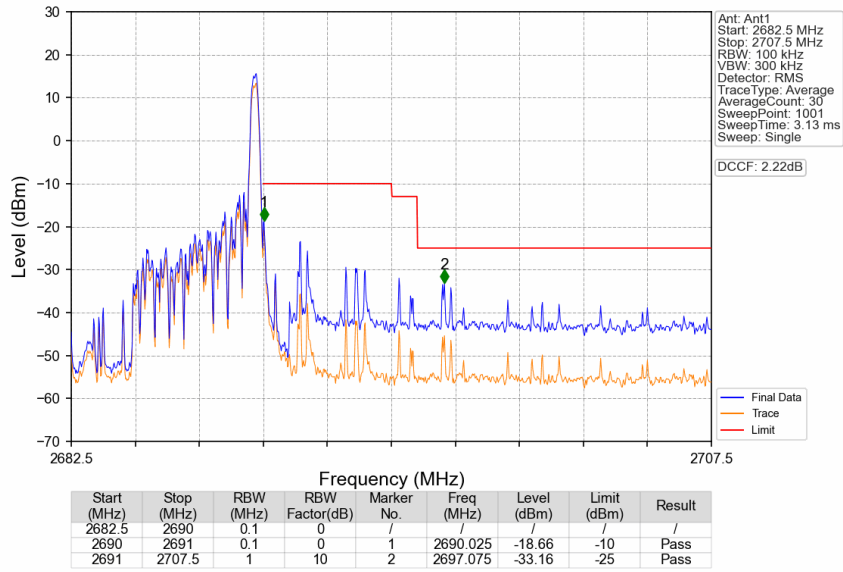
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



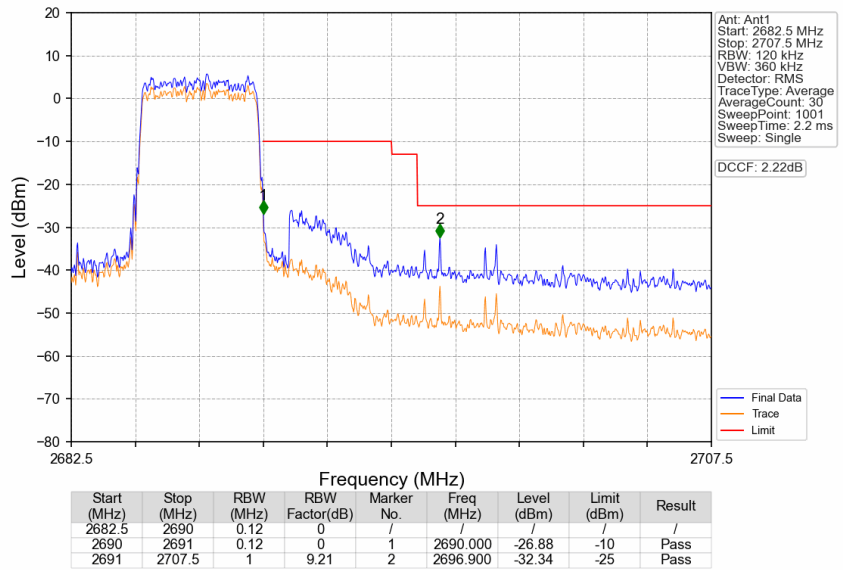
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_24\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV

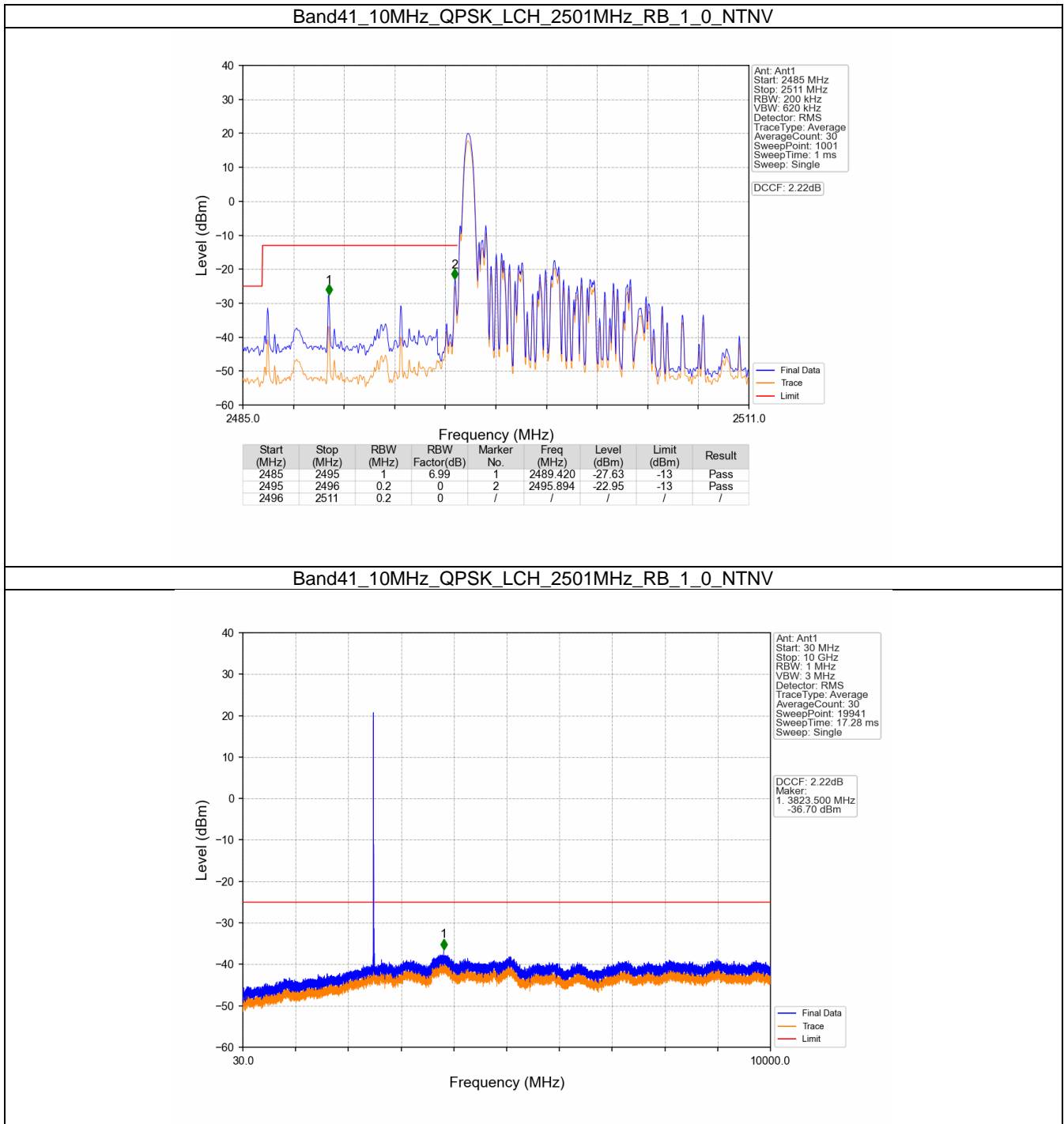


## 6.2 B41\_10MHz

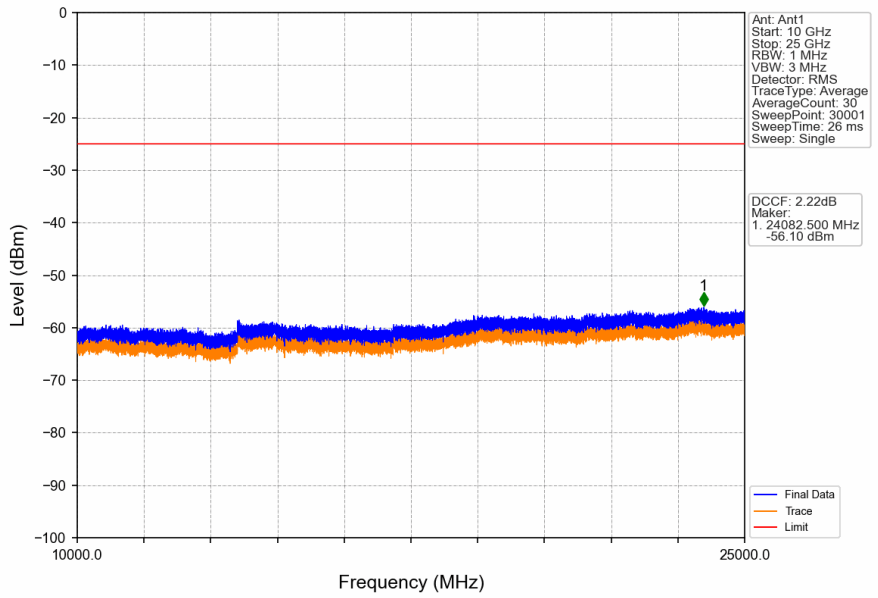
### 6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

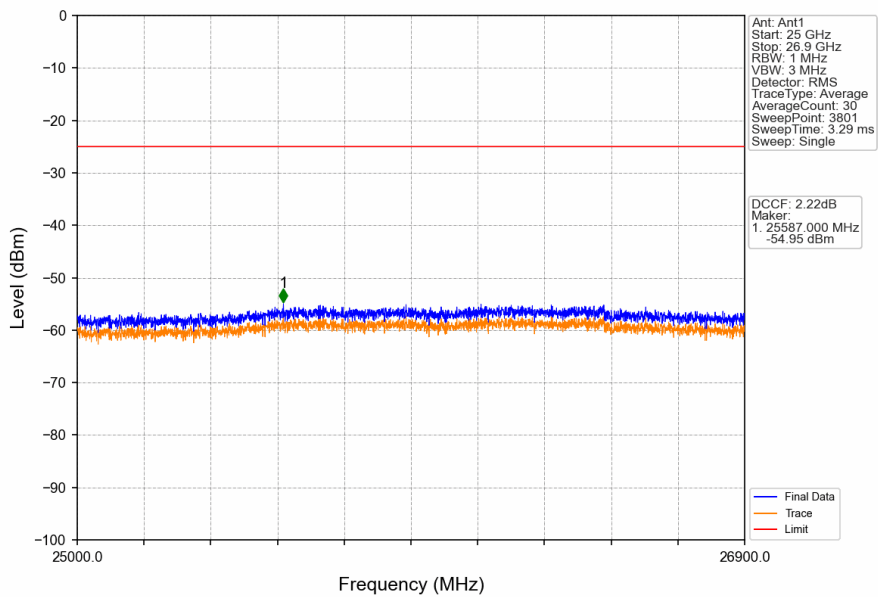
### 6.2.2 Test Graph



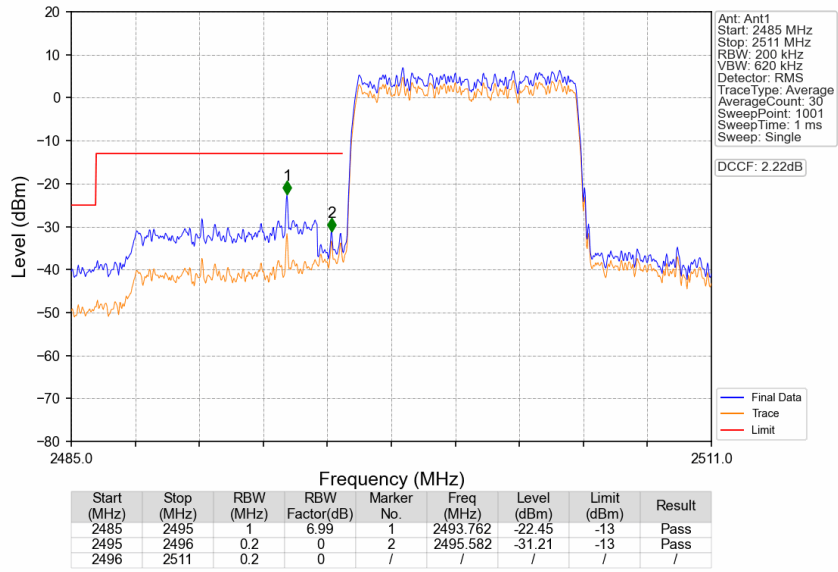
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV

