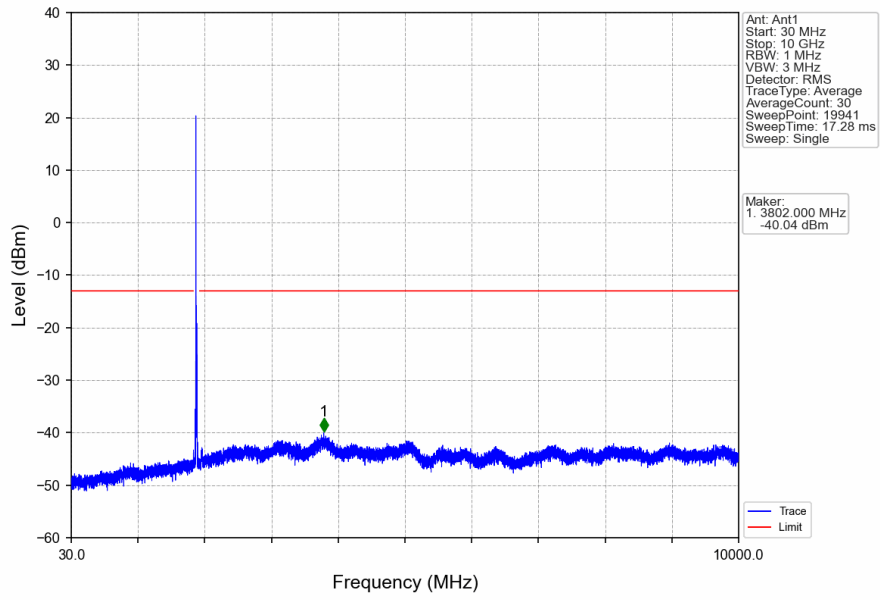
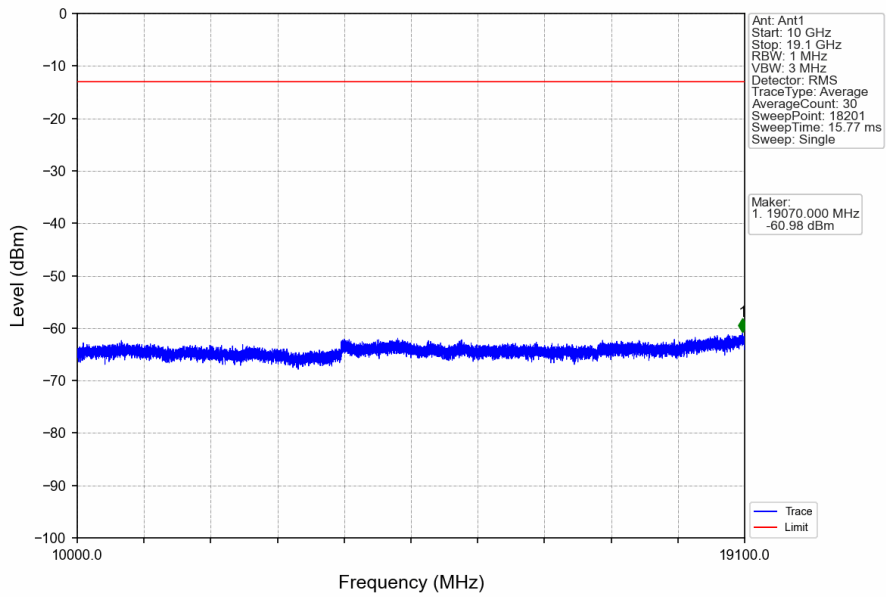


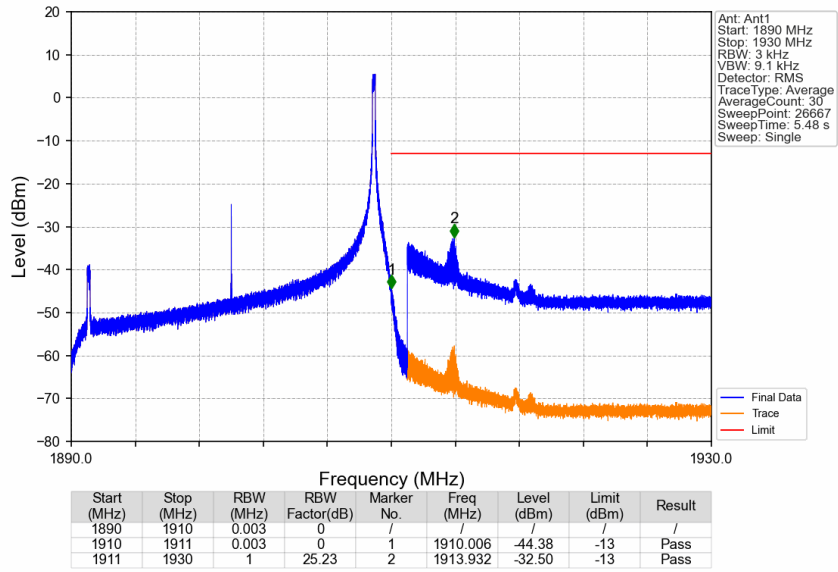
Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_1\_0\_NTNV



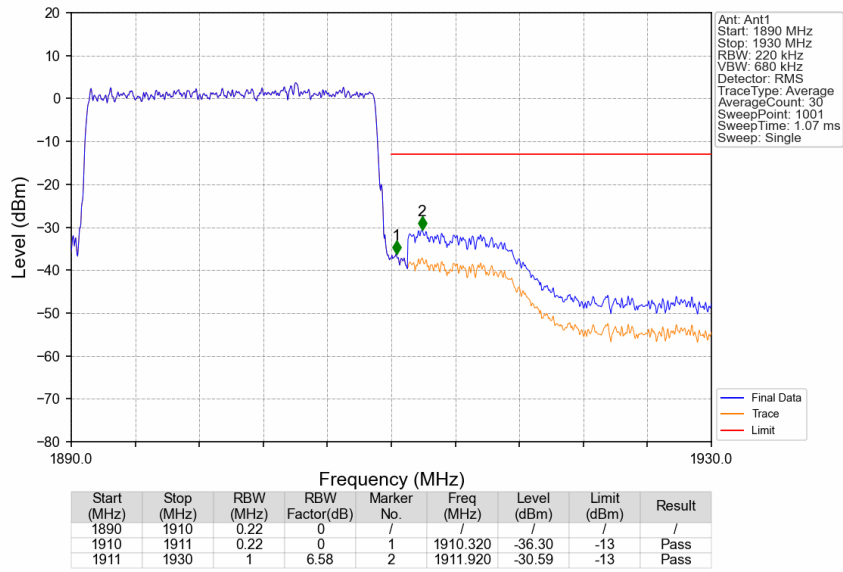
Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_1\_0\_NTNV



Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_1\_99\_NTNV



Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV



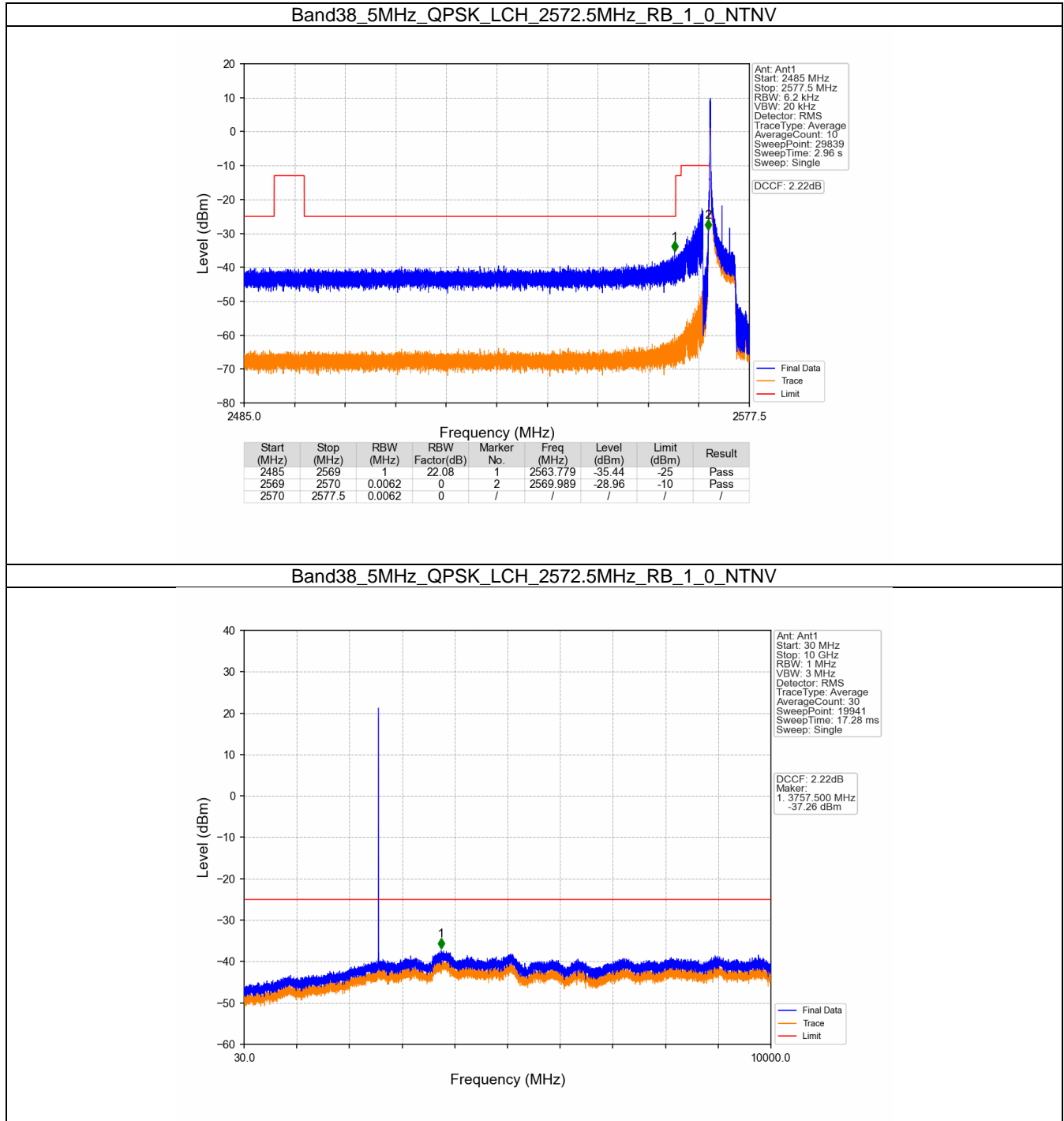
## 2. Spurious Emission

### 2.1 B38\_5MHz

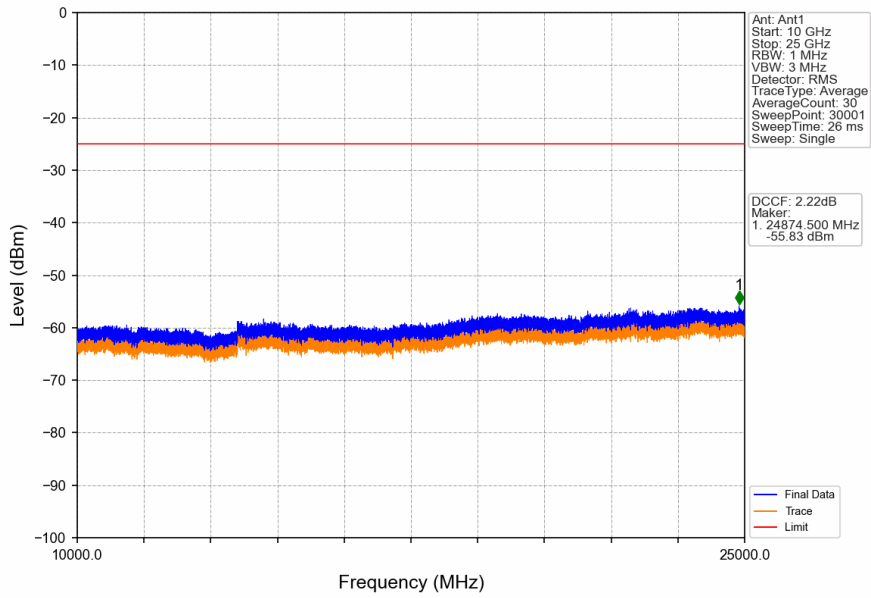
#### 2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

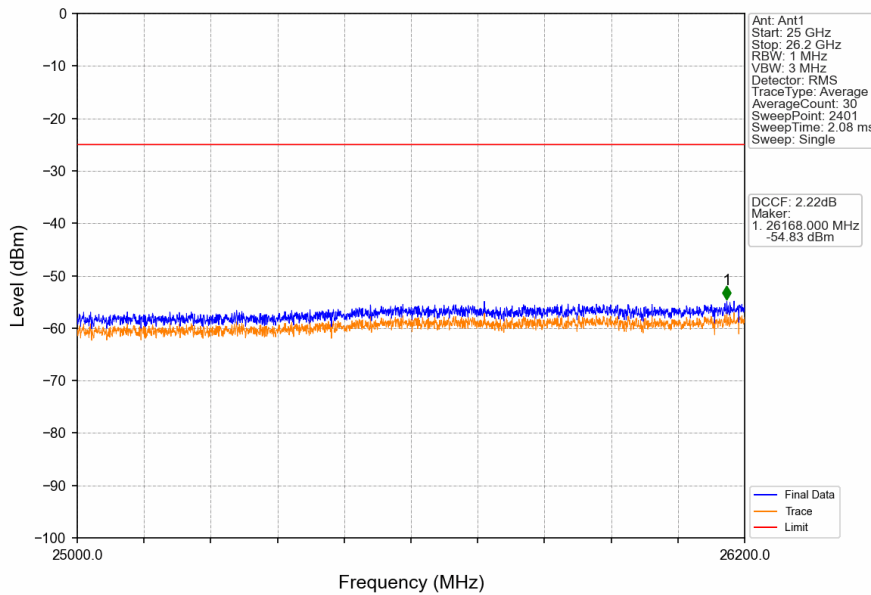
## 2.1.2 Test Graph



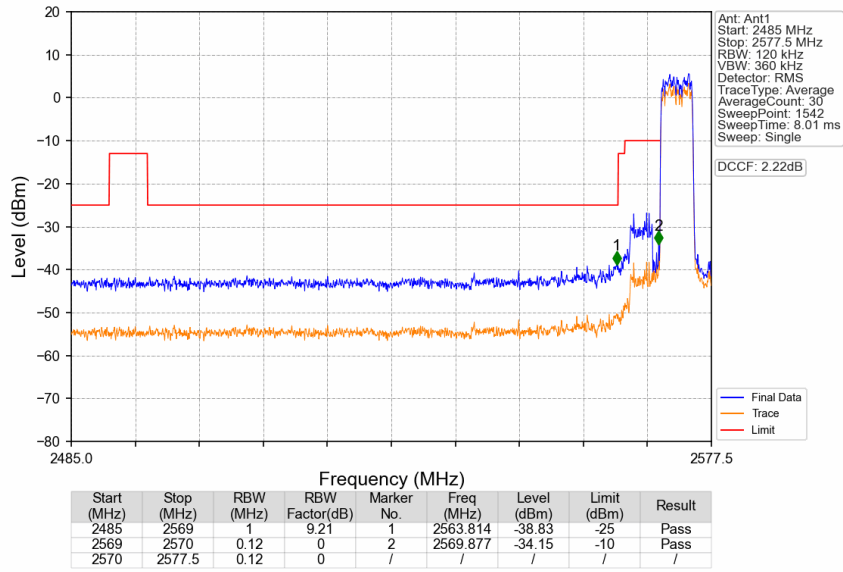
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



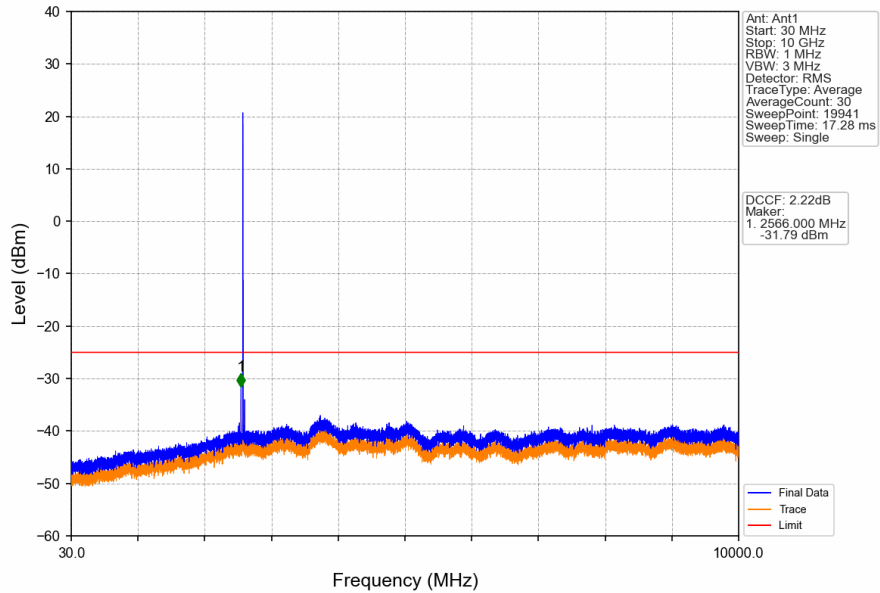
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



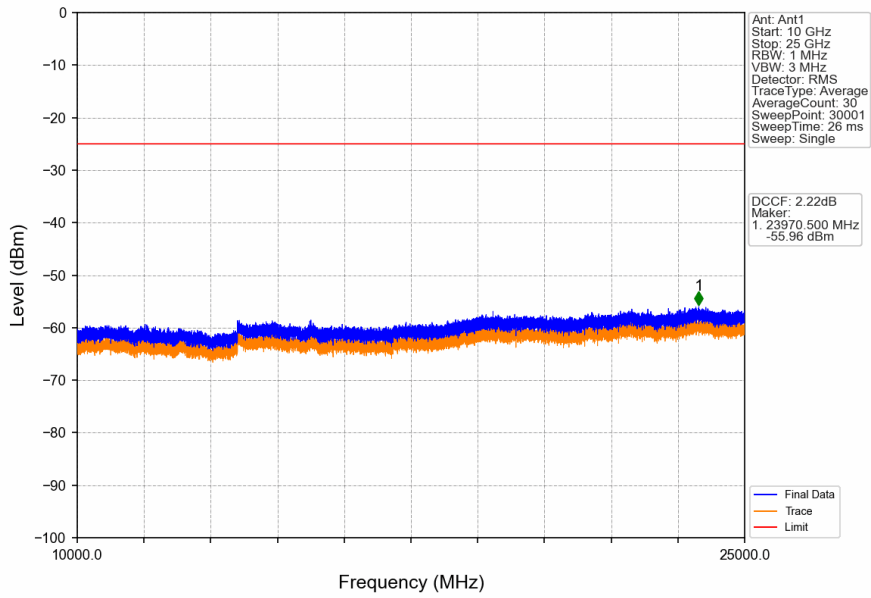
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_25\_0\_NTNV



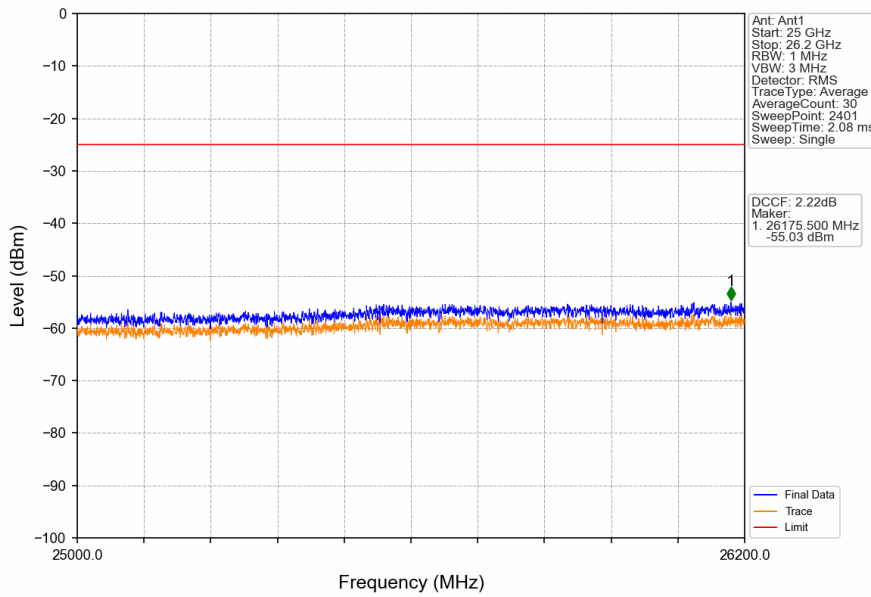
Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



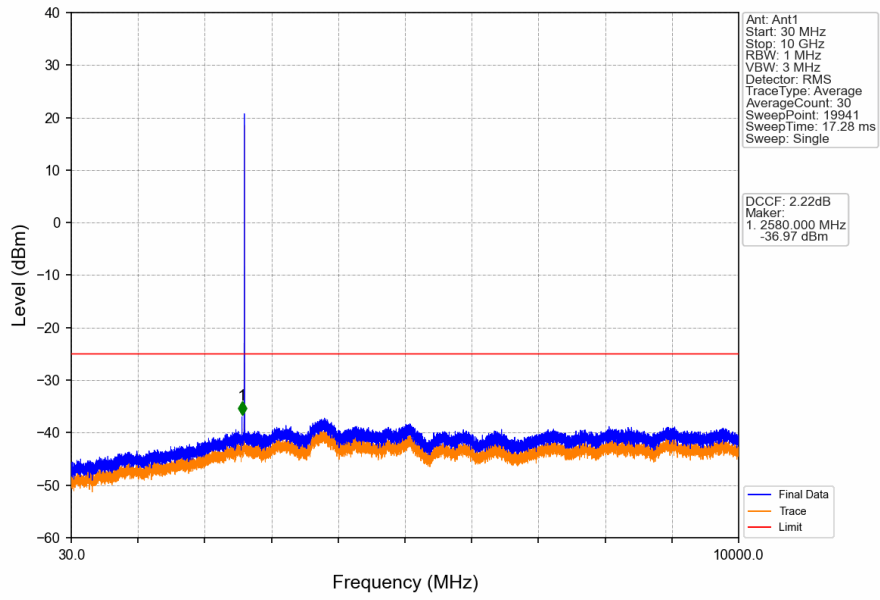
Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



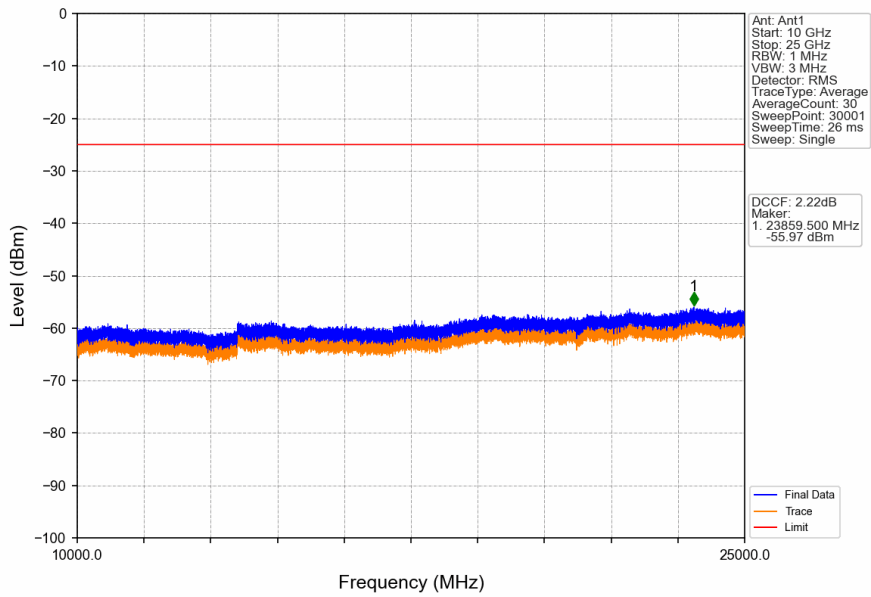
Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV

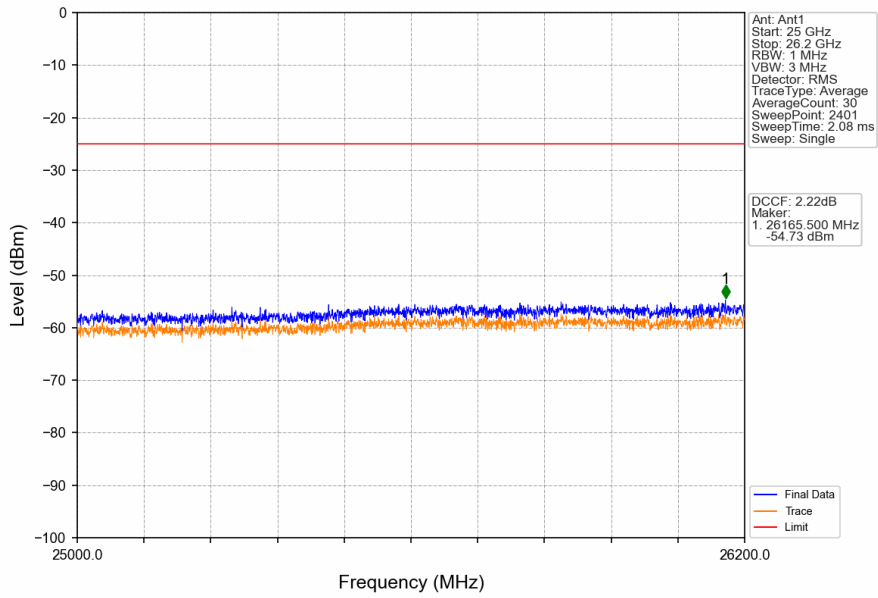


Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV

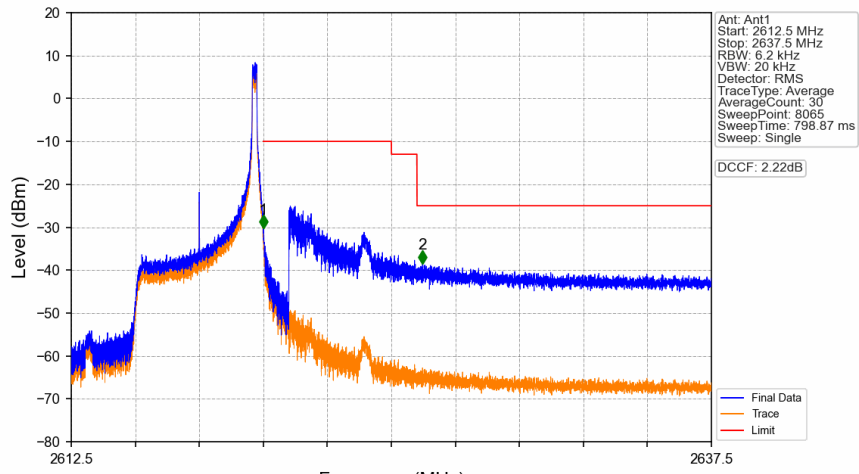




Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV

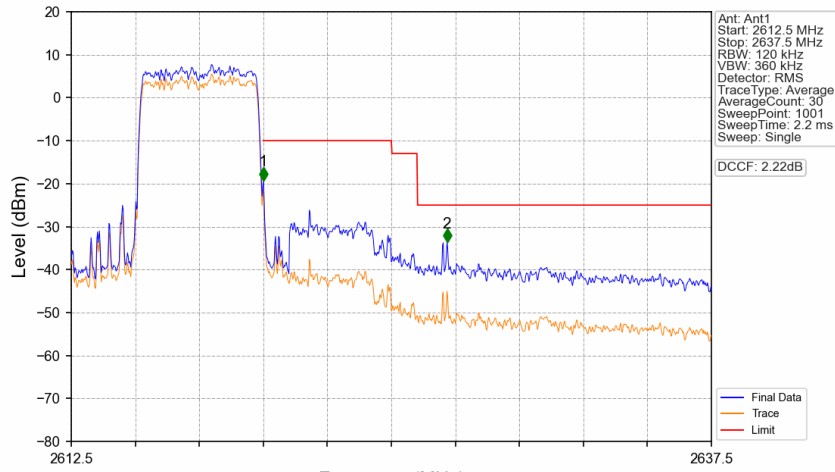


Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_24\_NTNV



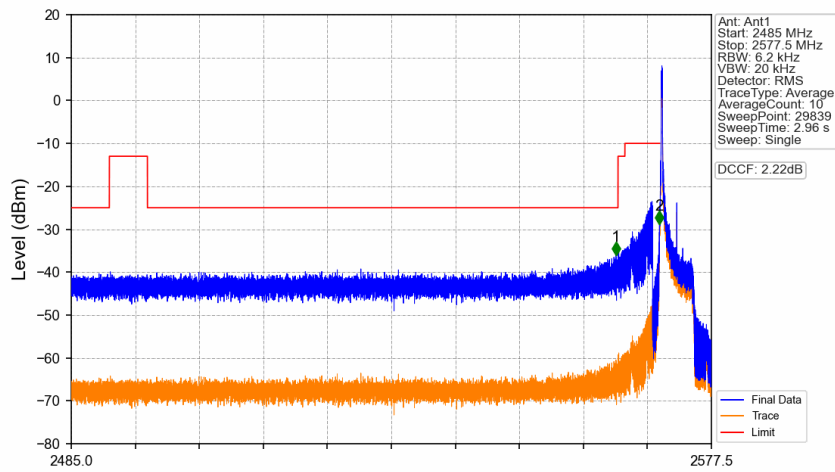
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.002	-30.25	-10	Pass
2621	2637.5	1	22.08	2	2626.218	-38.48	-25	Pass

Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_25\_0\_NTNV



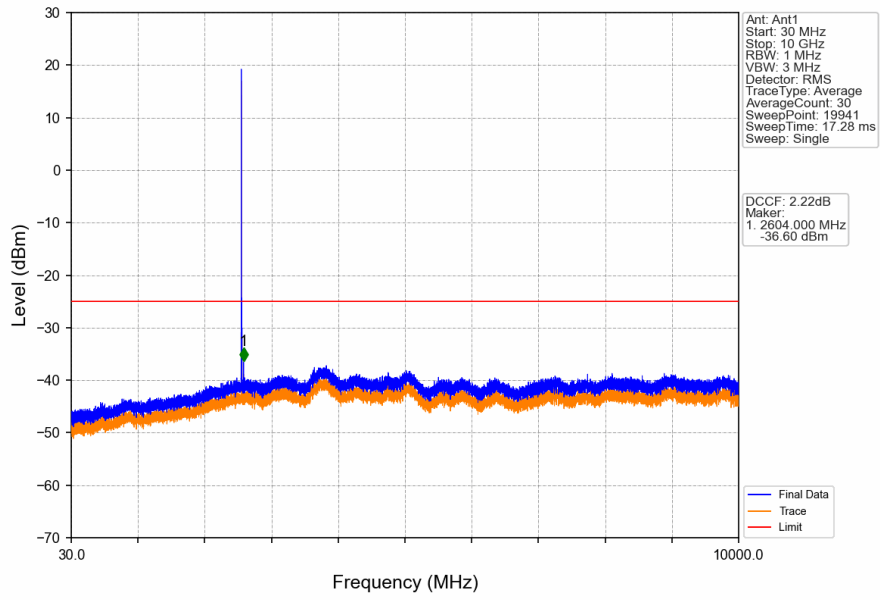
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.12	0	/	/	/	/	/
2620	2621	0.12	0	1	2620.000	-19.27	-10	Pass
2621	2637.5	1	9.21	2	2627.175	-33.59	-25	Pass

Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV

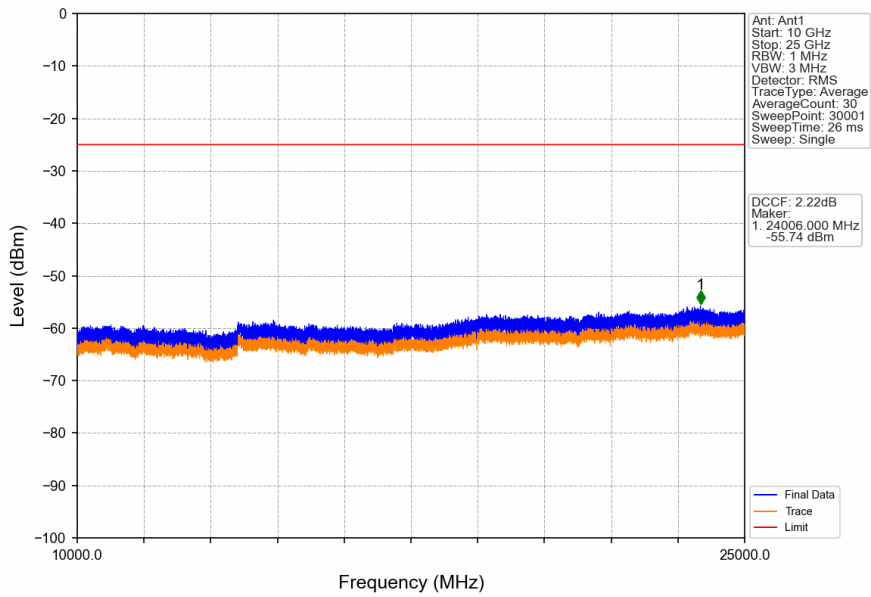


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2563.708	-36.14	-25	Pass
2569	2570	0.0062	0	2	2569.998	-28.90	-10	Pass
2570	2577.5	0.0062	0	/	/	/	/	/

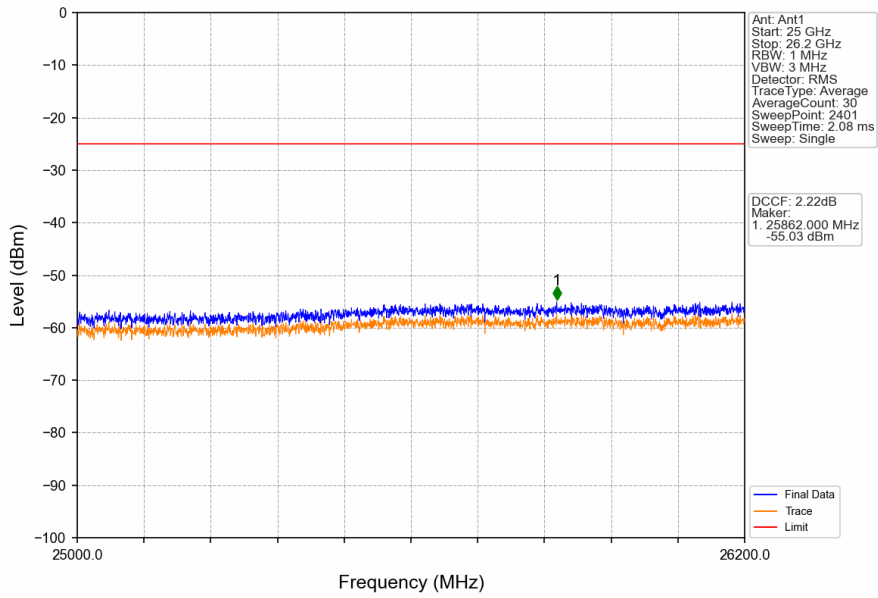
Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



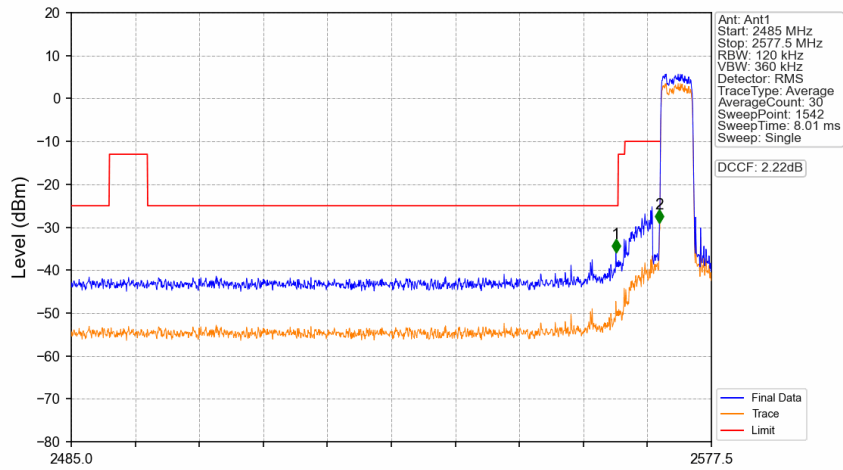
Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV

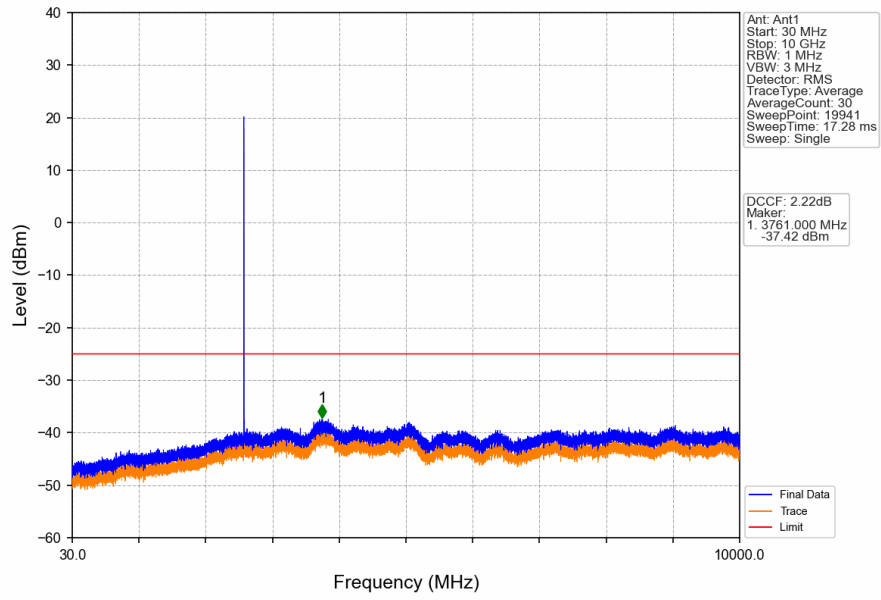


Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_25\_0\_NTNV

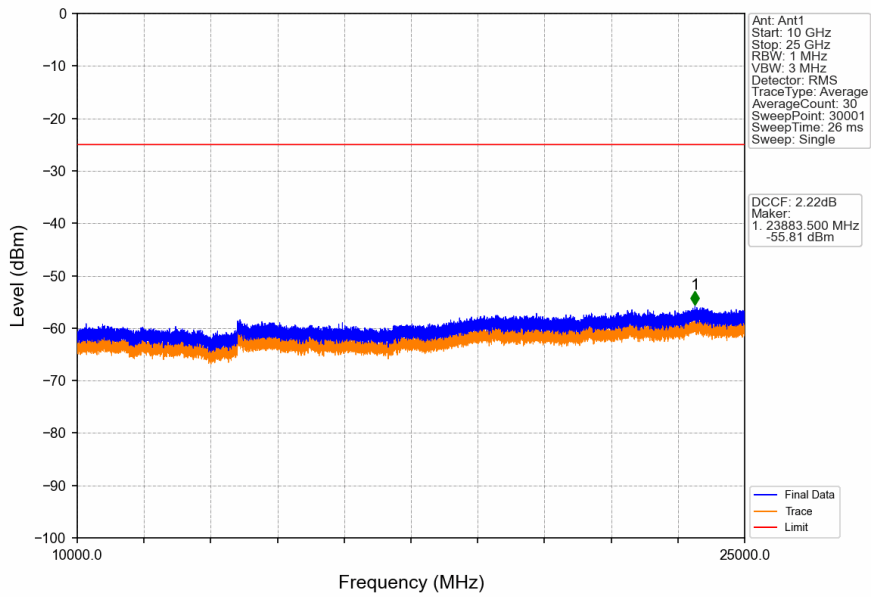


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	9.21	1	2563.694	-35.86	-25	Pass
2569	2570	0.12	0	2	2569.997	-29.10	-10	Pass
2570	2577.5	0.12	0	/	/	/	/	/

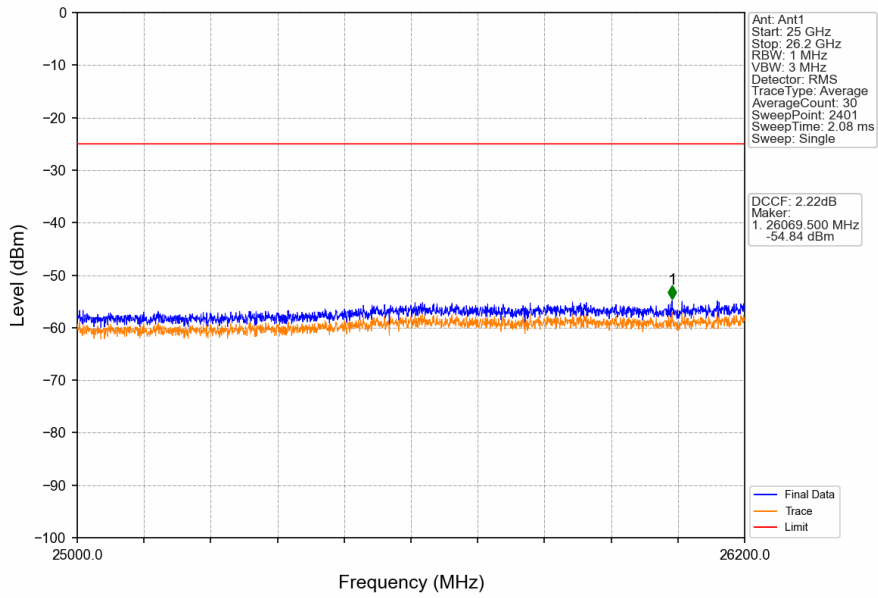
Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



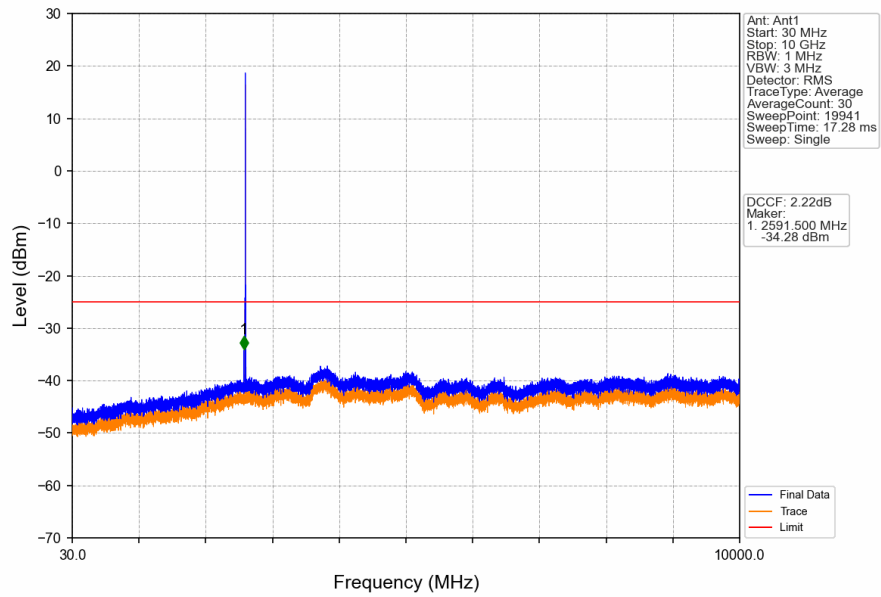
Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



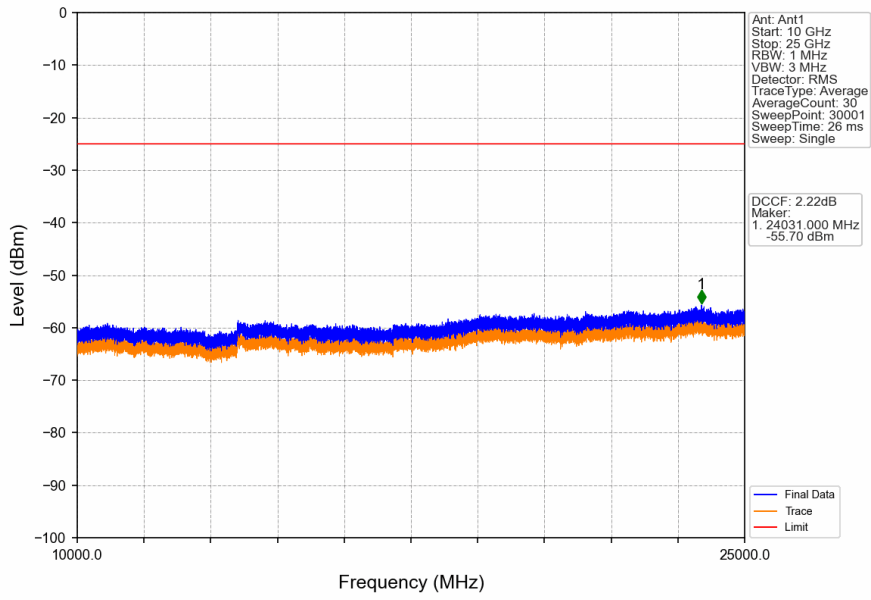
Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



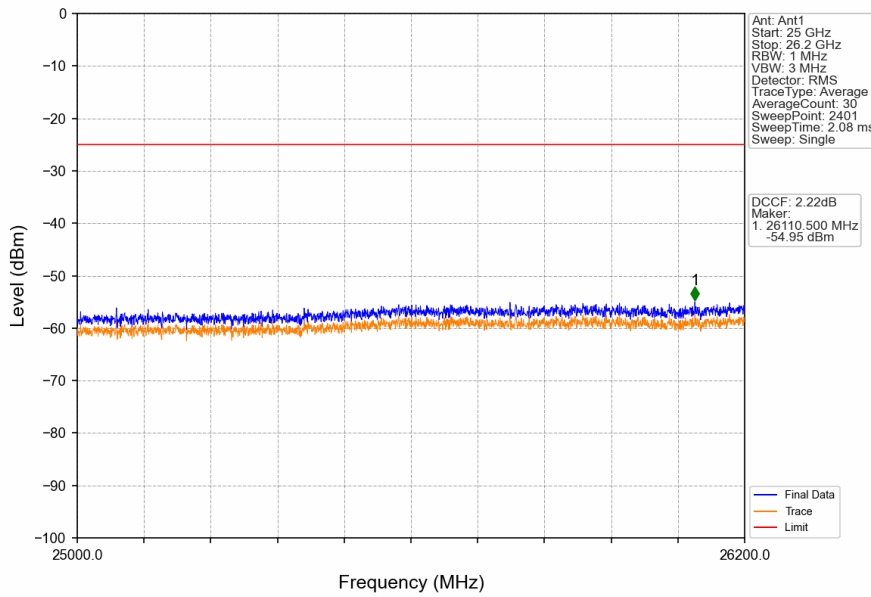
Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



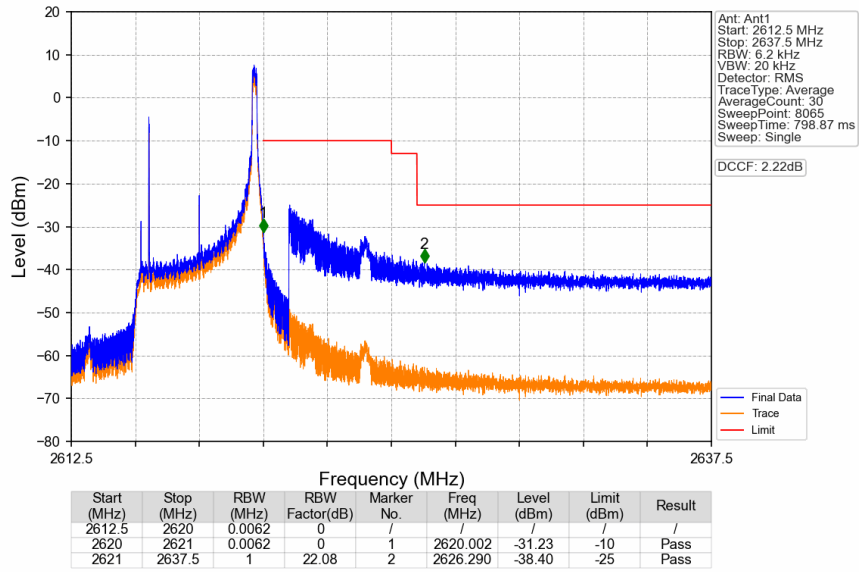
Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



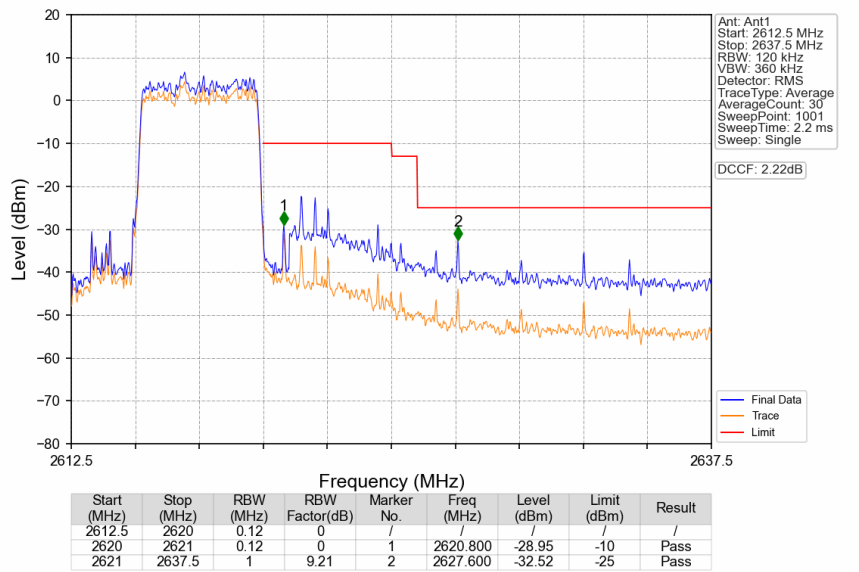
Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_24\_NTNV



Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_25\_0\_NTNV



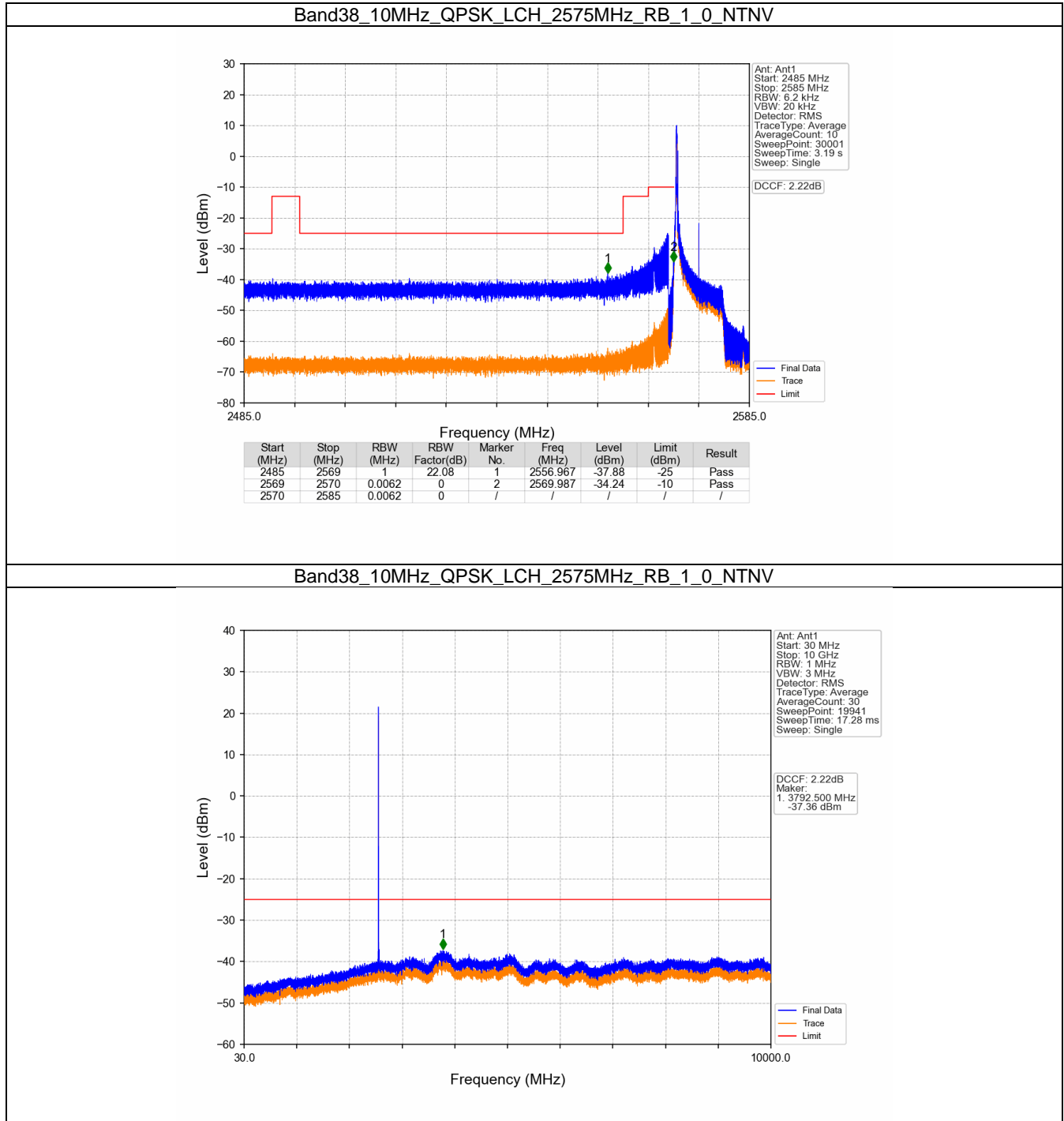


## 2.2 B38\_10MHz

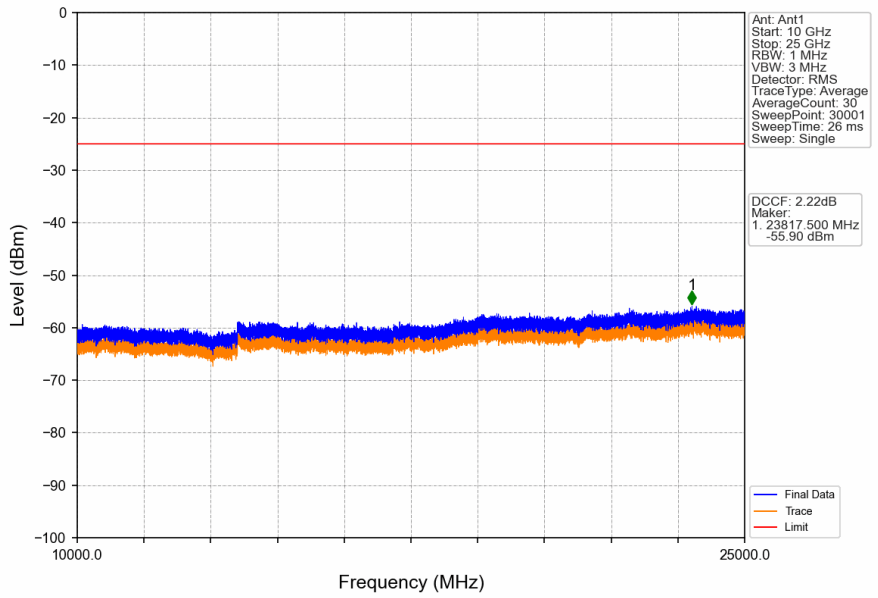
### 2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

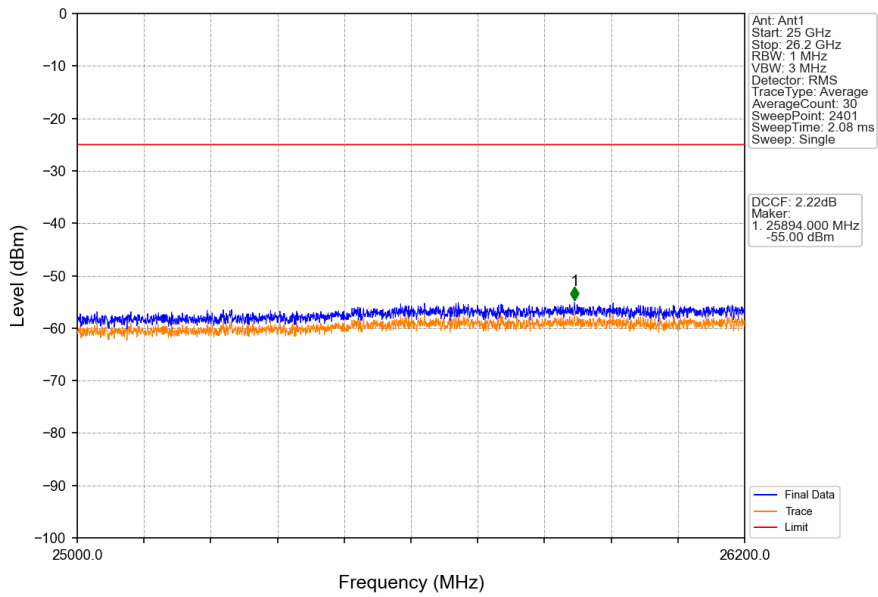
## 2.2.2 Test Graph



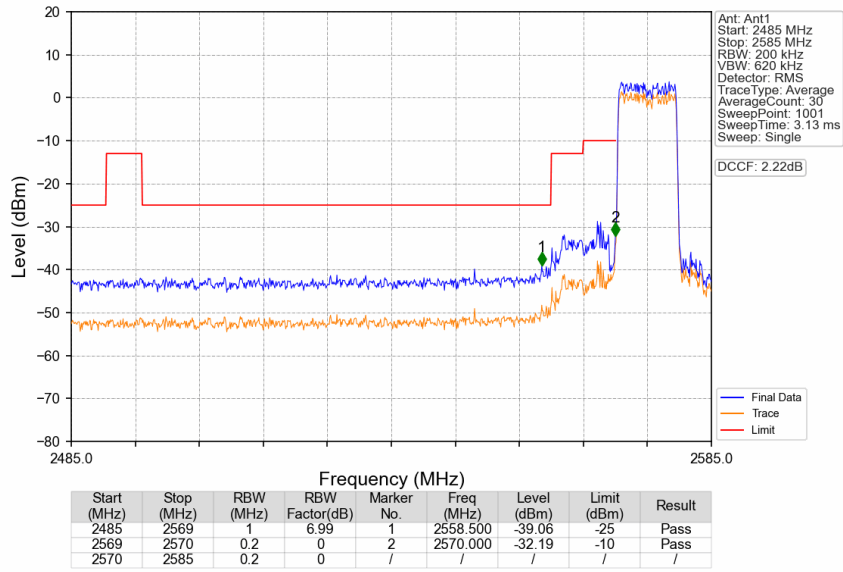
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV



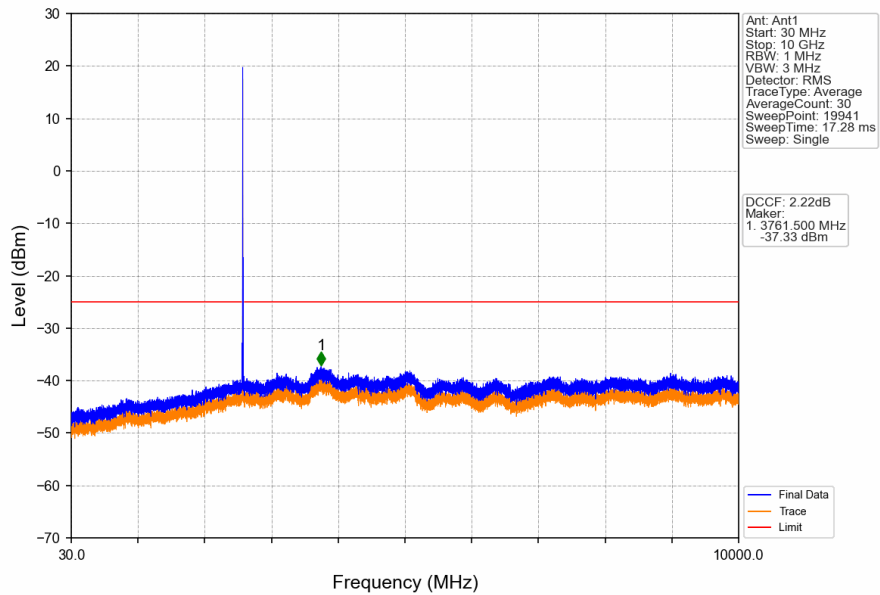
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV



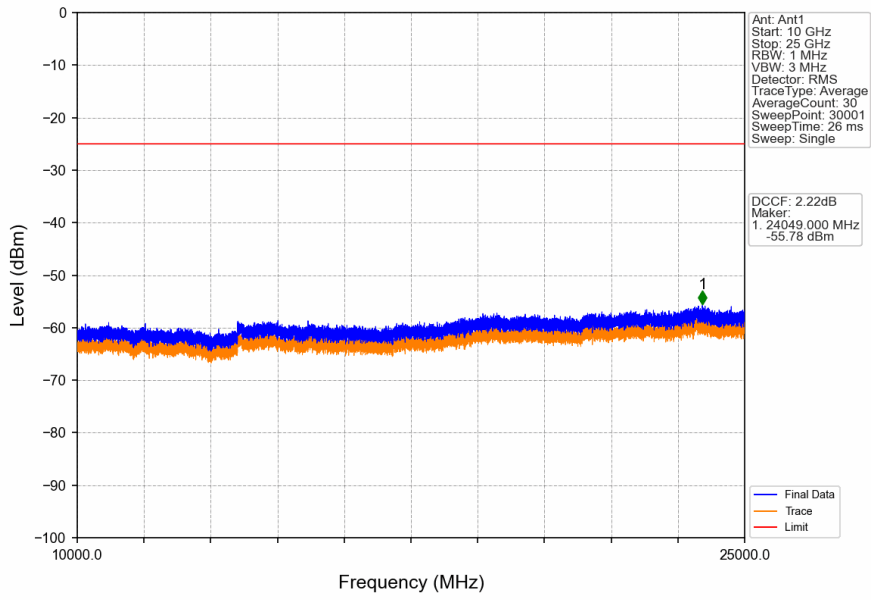
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_50\_0\_NTNV



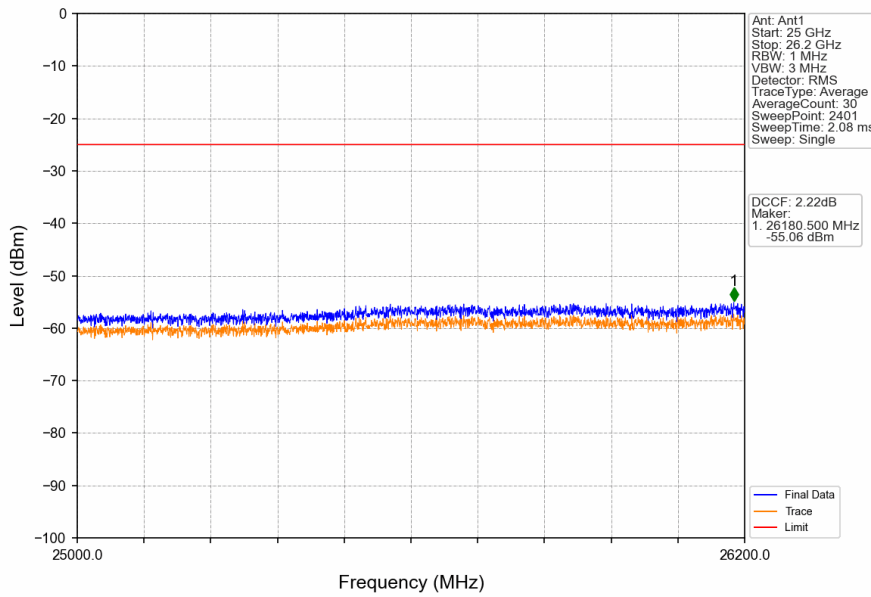
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



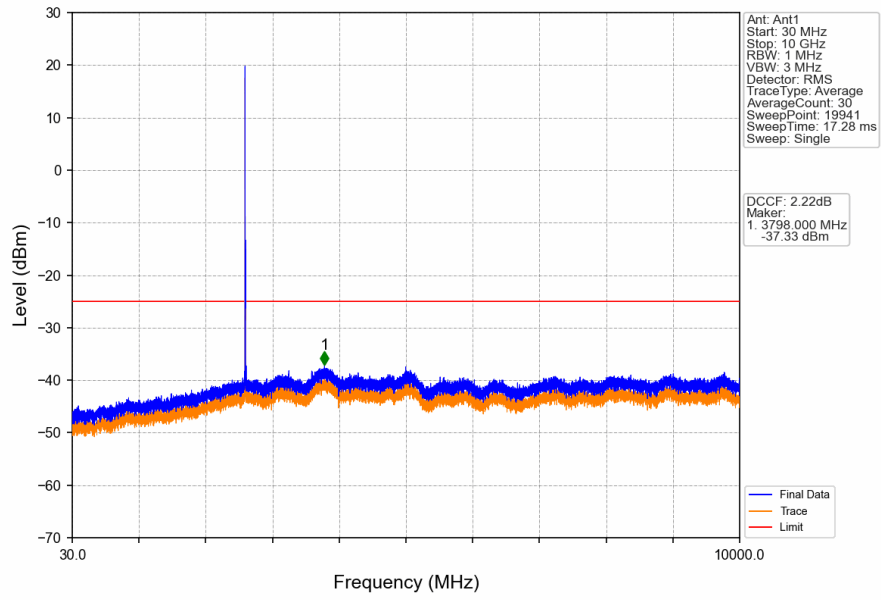
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



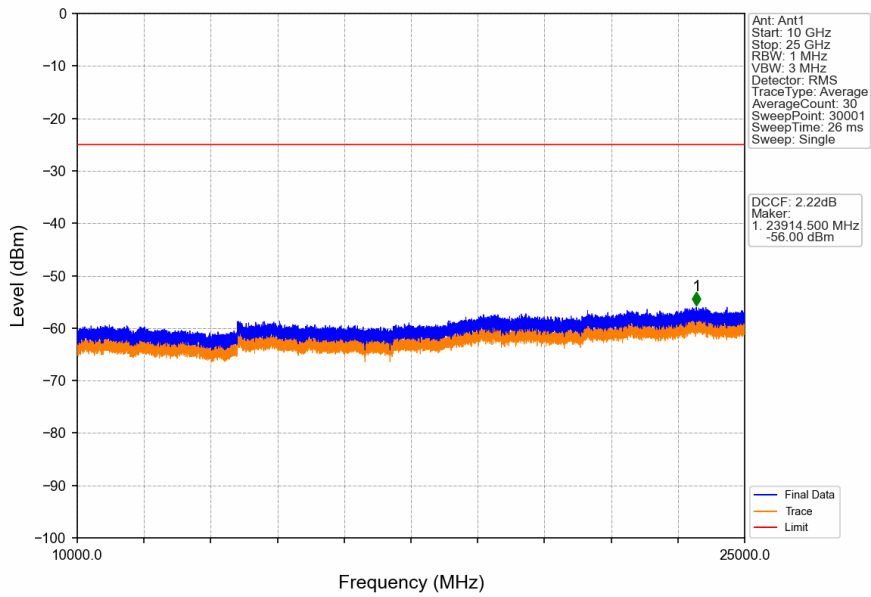
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



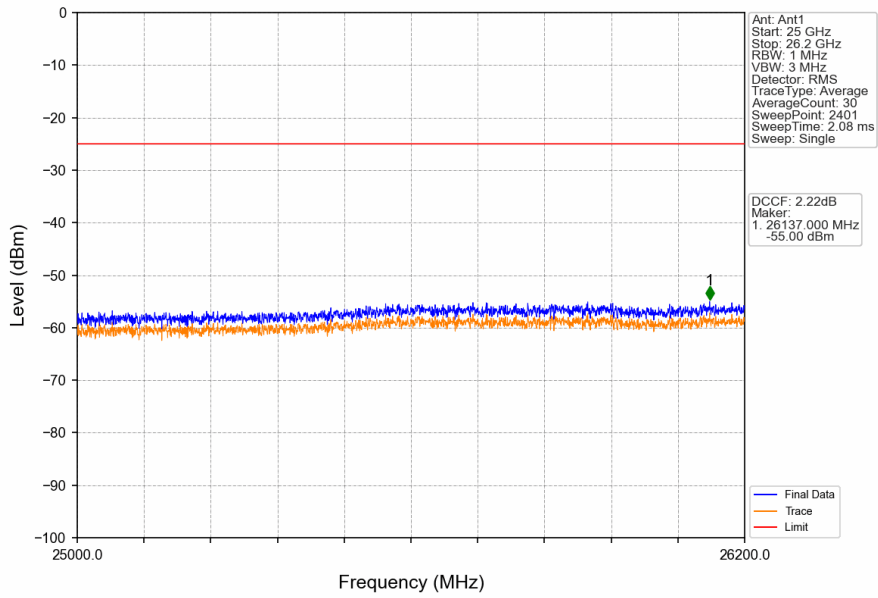
Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_0\_NTNV



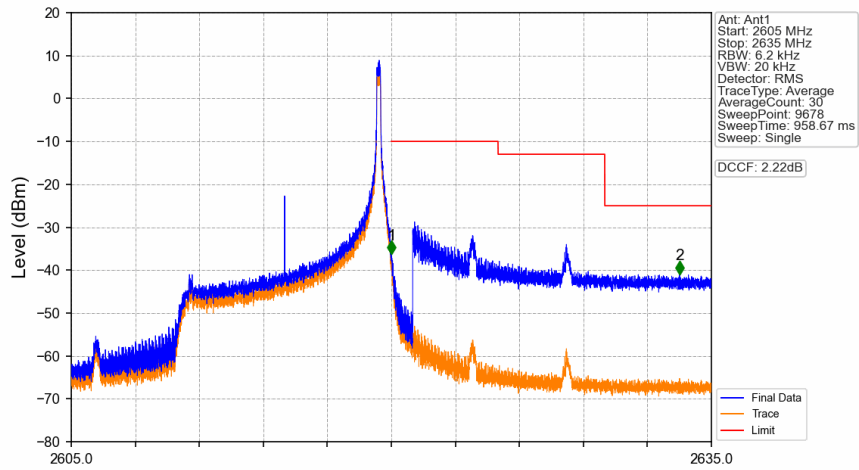
Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_0\_NTNV



Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_0\_NTNV

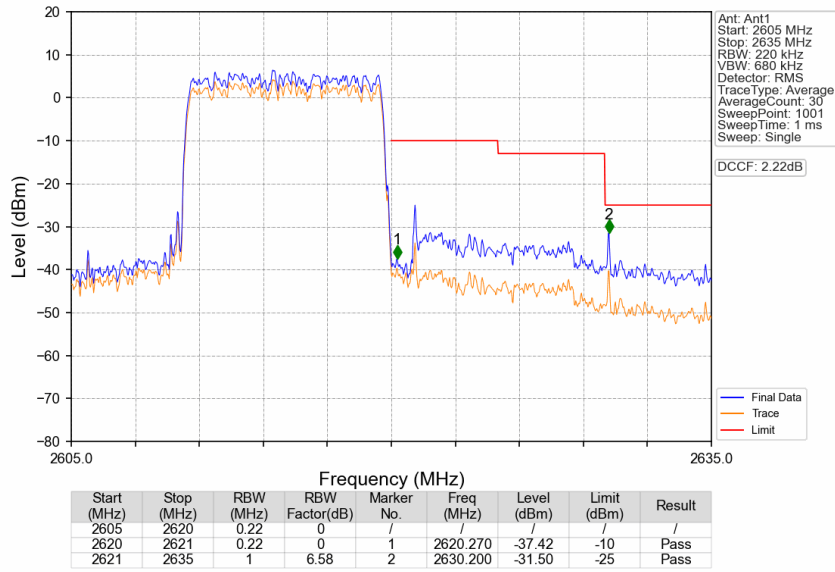


Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_49\_NTNV

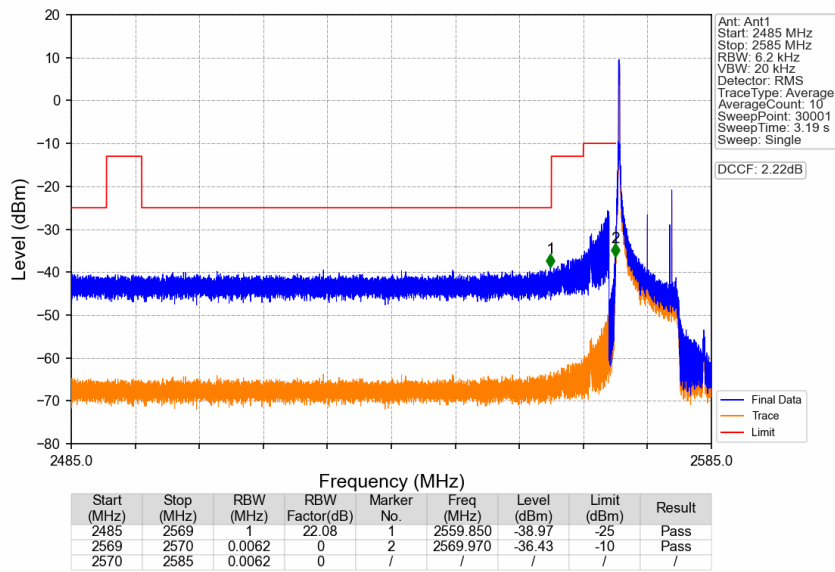


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.005	-36.31	-10	Pass
2621	2635	1	22.08	2	2633.509	-40.94	-25	Pass

Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_50\_0\_NTNV

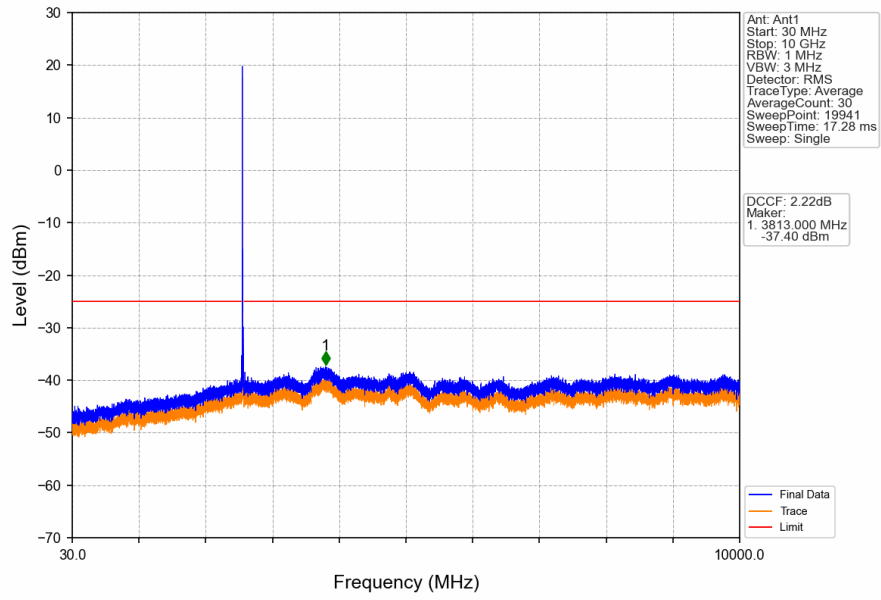


Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV

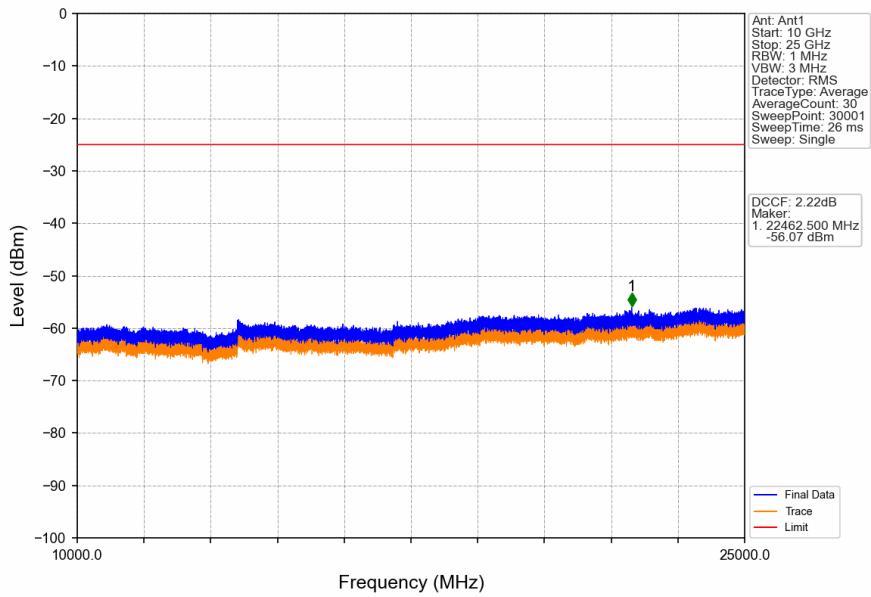




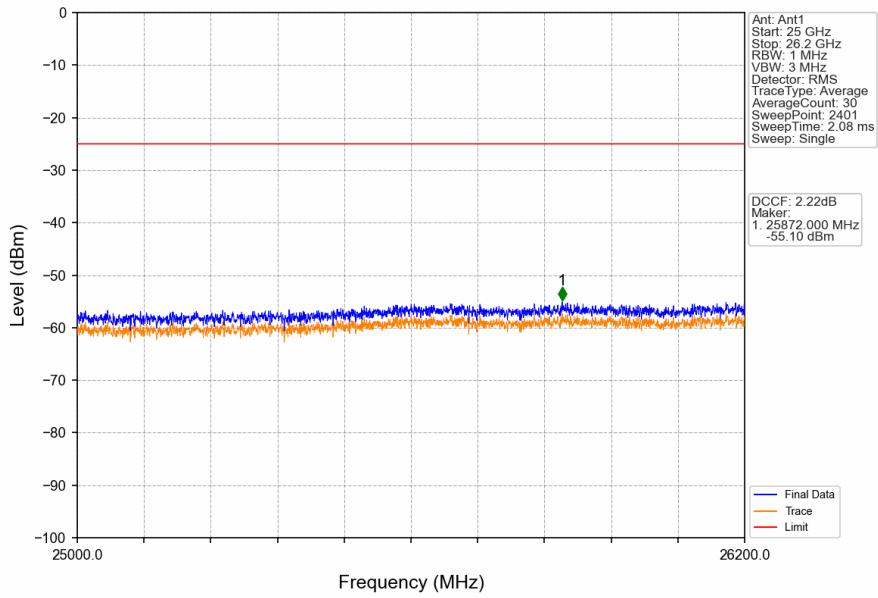
Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV



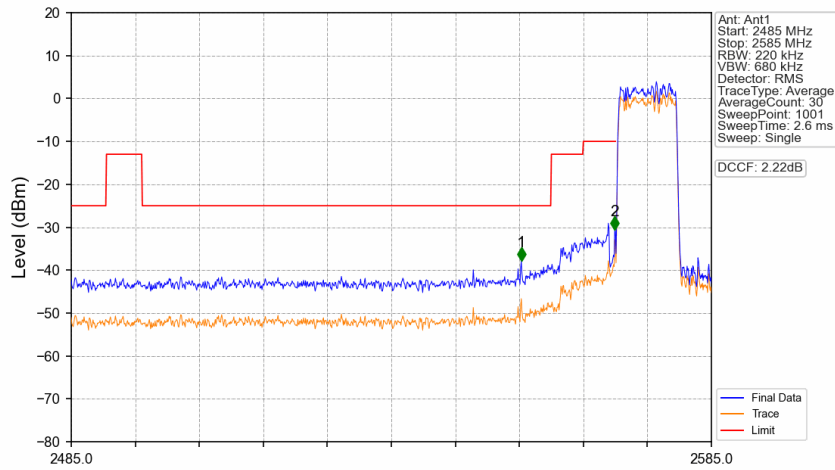
Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV



Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV

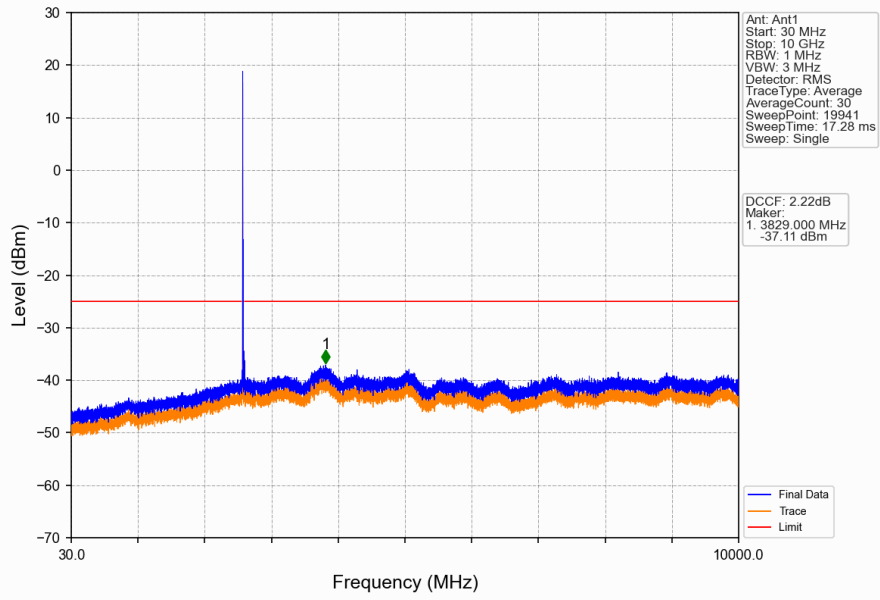


Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_50\_0\_NTNV

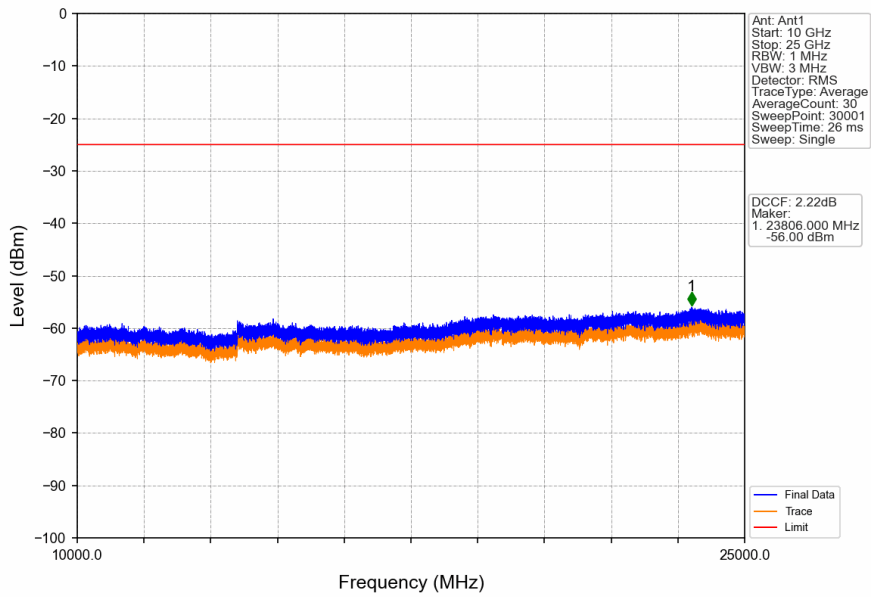


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	6.58	1	2555.300	-37.84	-25	Pass
2569	2570	0.22	0	2	2569.900	-30.68	-10	Pass
2570	2585	0.22	0	/	/	/	/	/

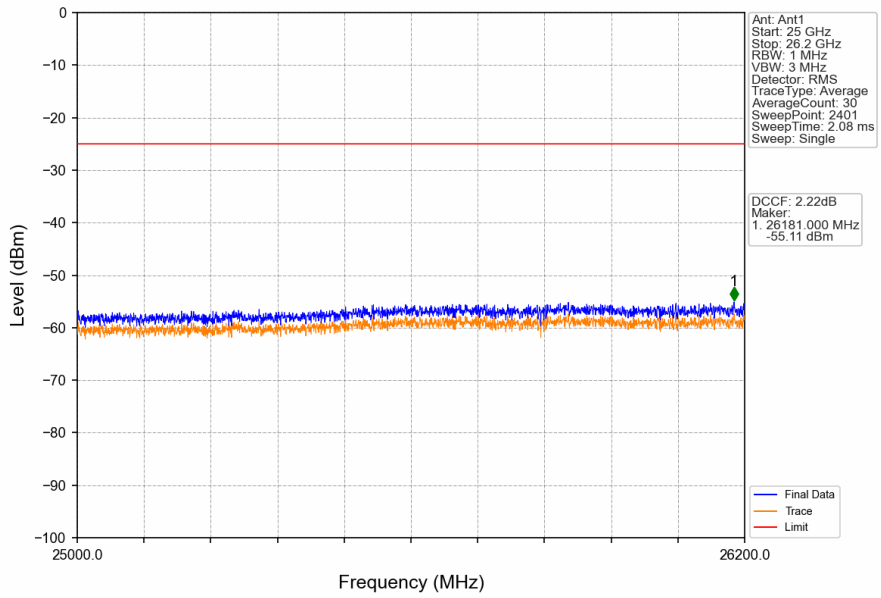
Band38\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



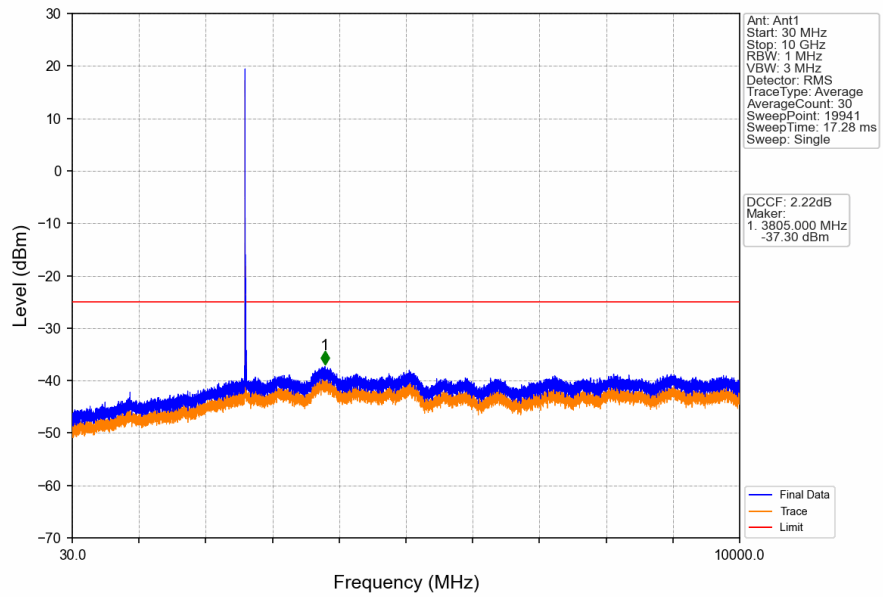
Band38\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



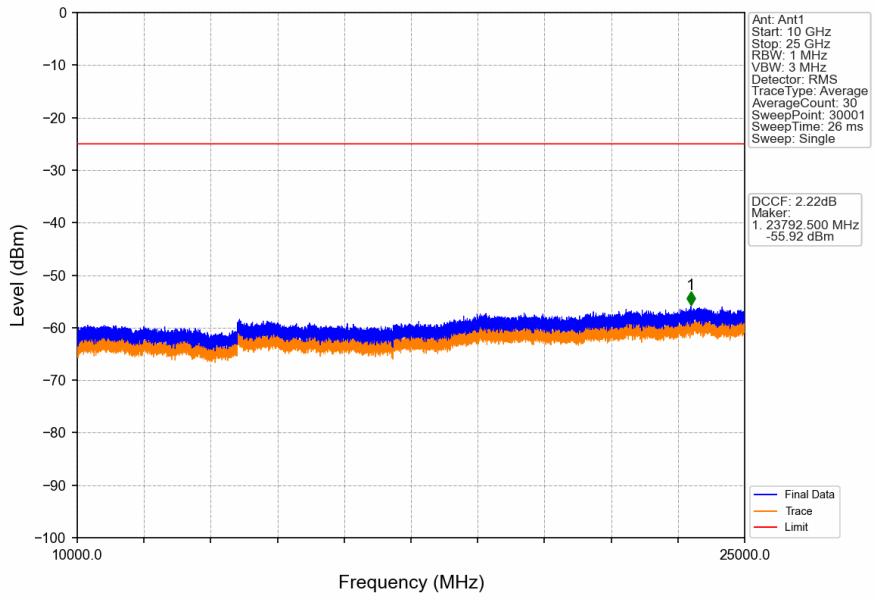
Band38\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



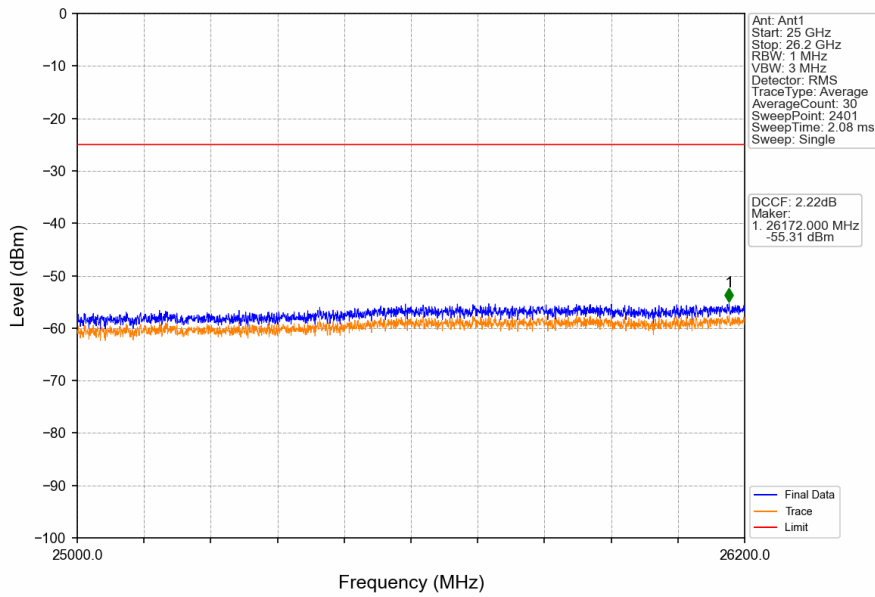
Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_0\_NTNV



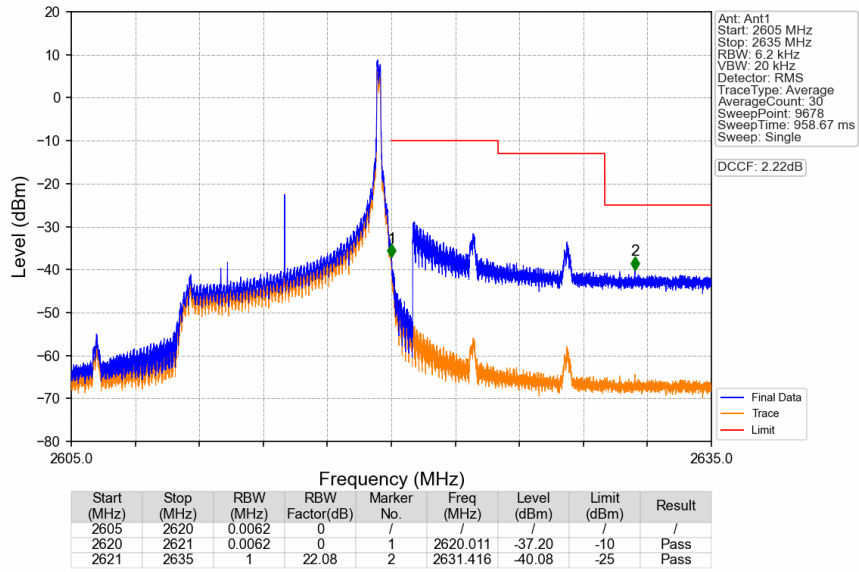
Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_0\_NTNV



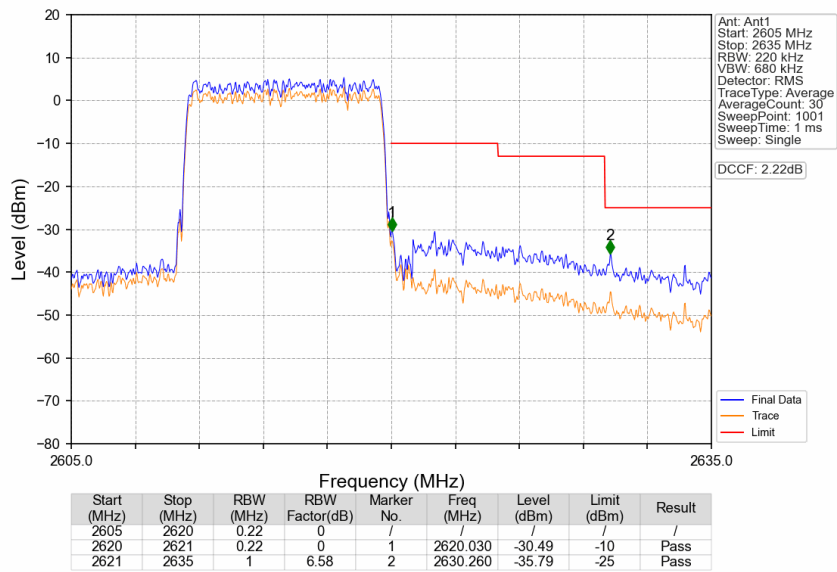
Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_0\_NTNV



Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_49\_NTNV



Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_50\_0\_NTNV

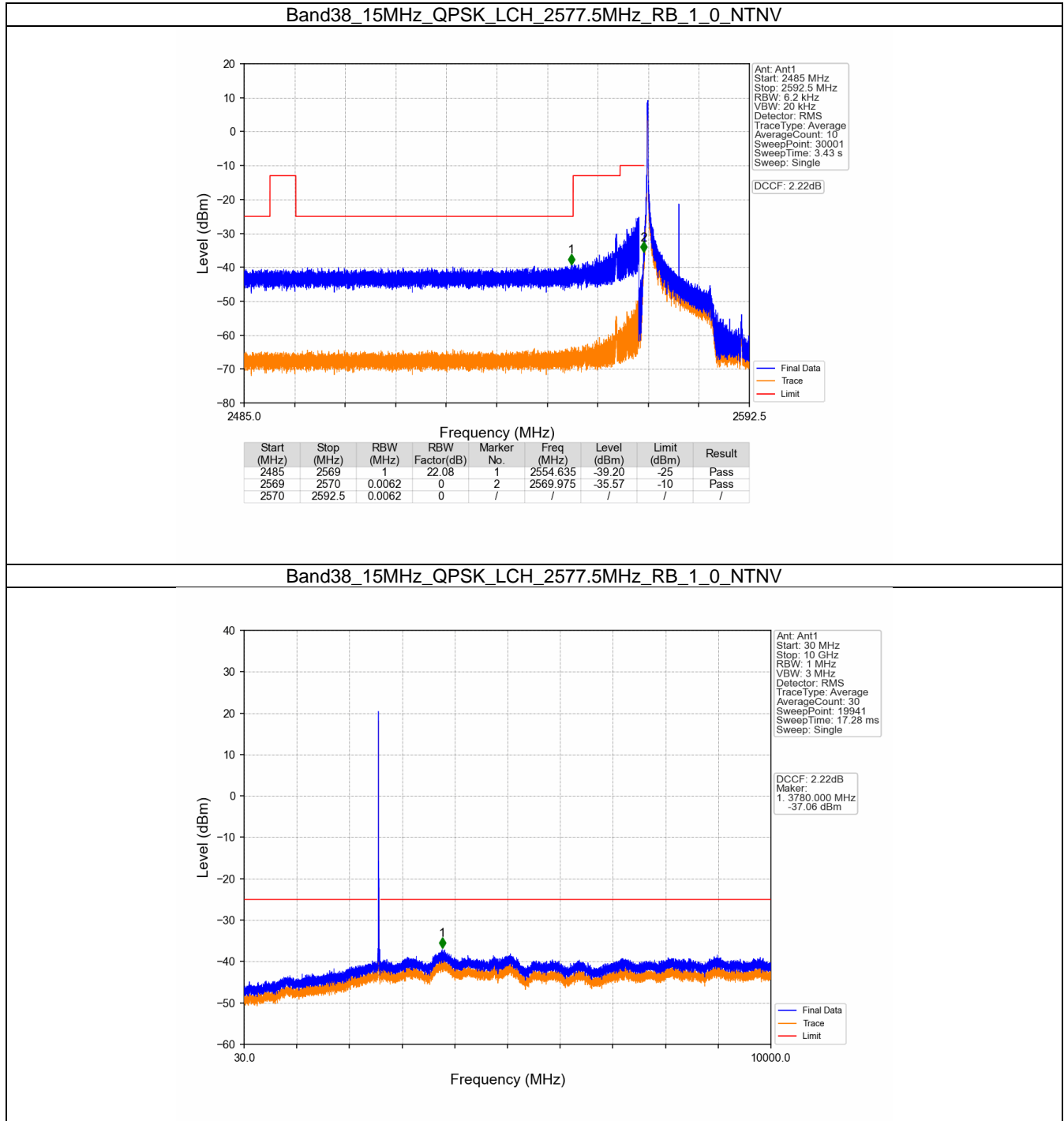


## 2.3 B38\_15MHz

### 2.3.1 Test Result

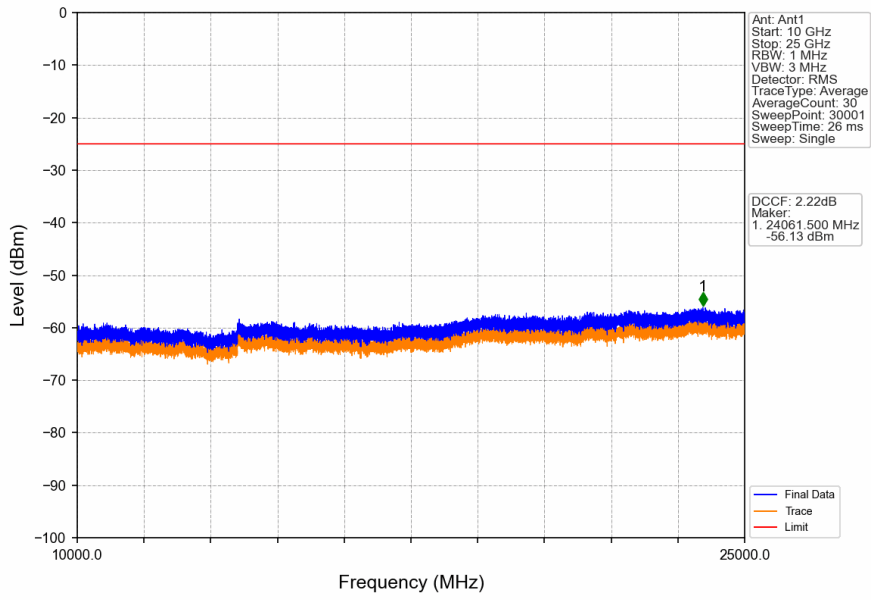
Band: 38 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

### 2.3.2 Test Graph

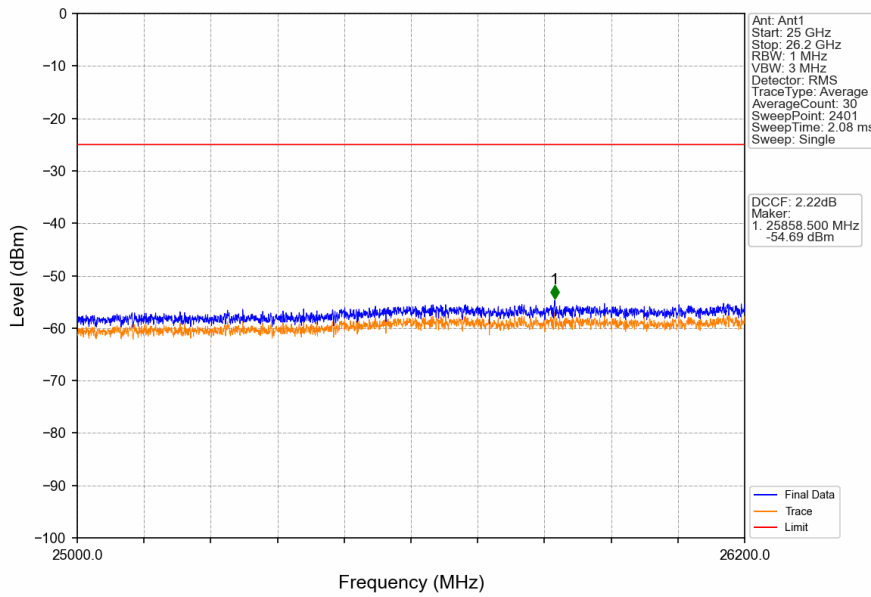




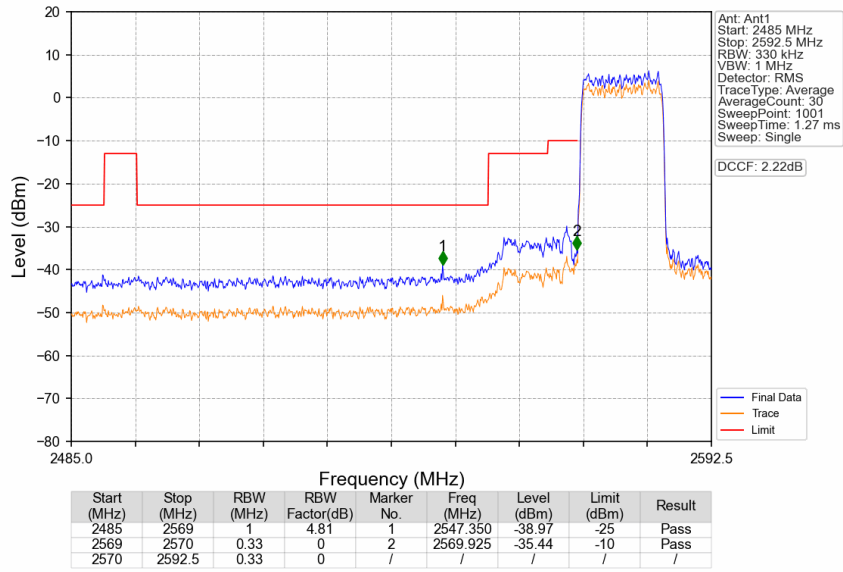
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



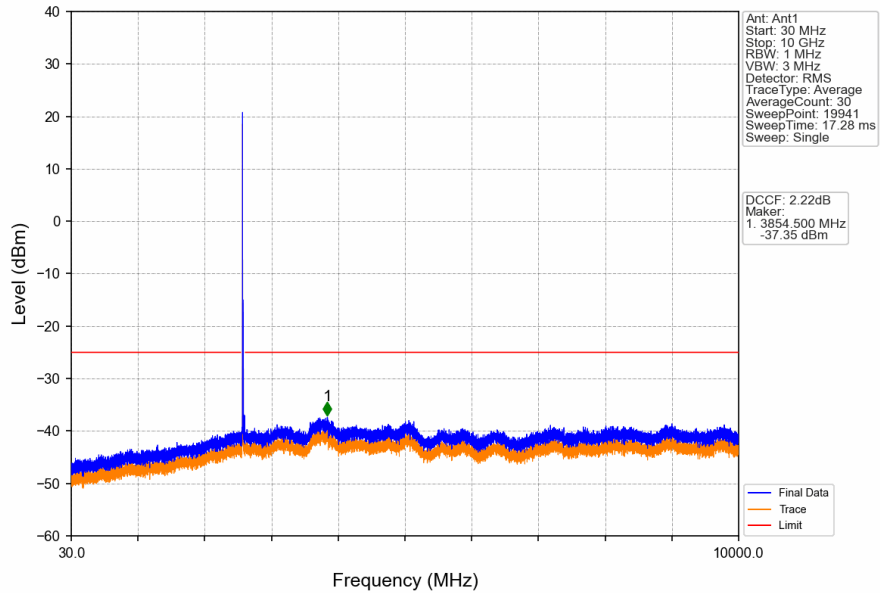
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



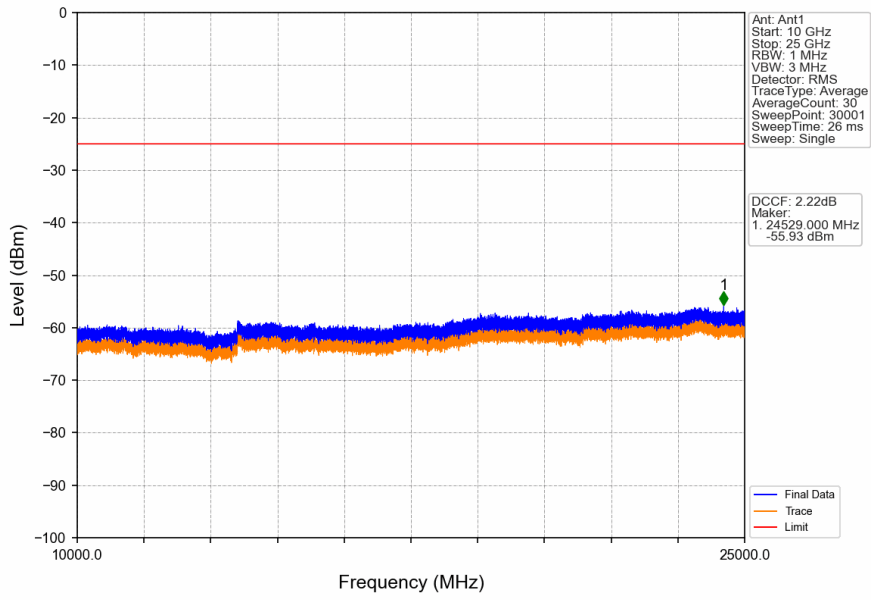
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV



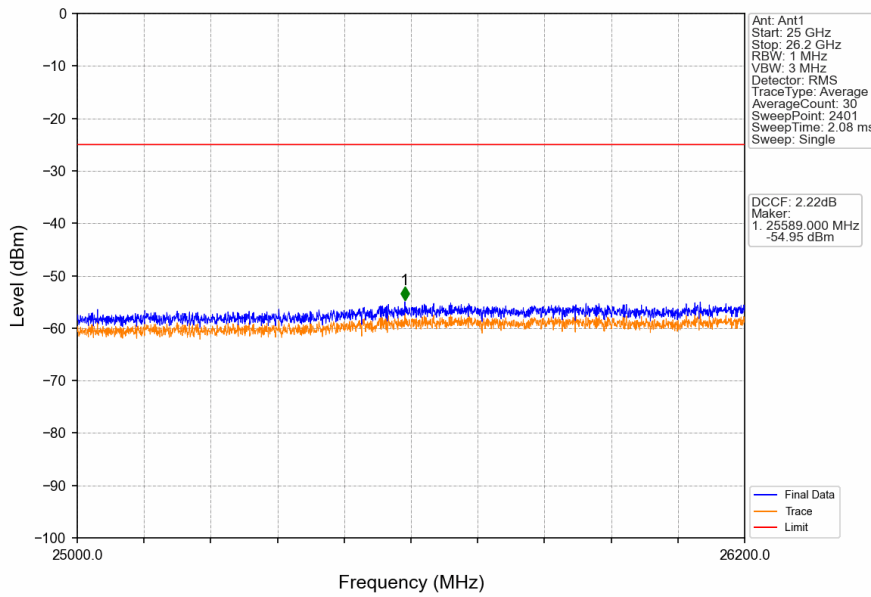
Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



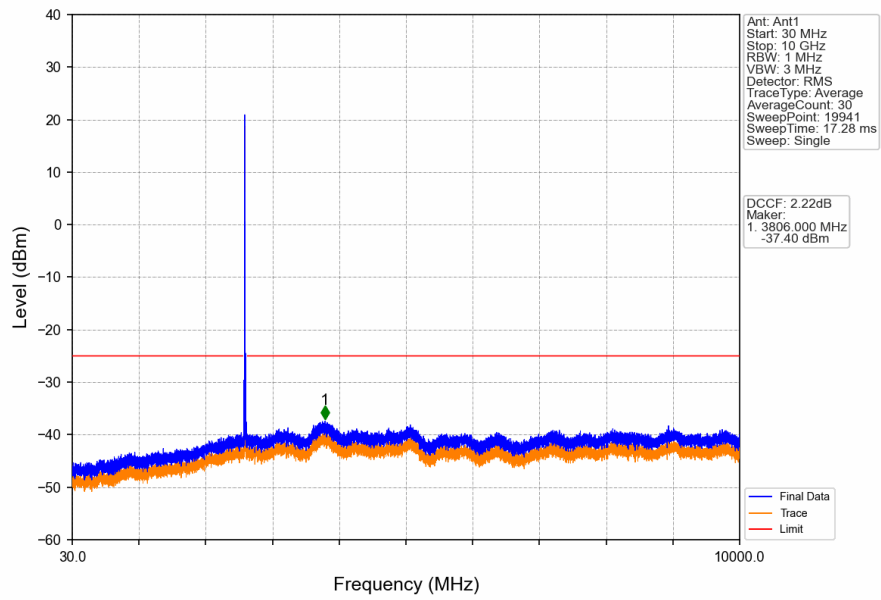
Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



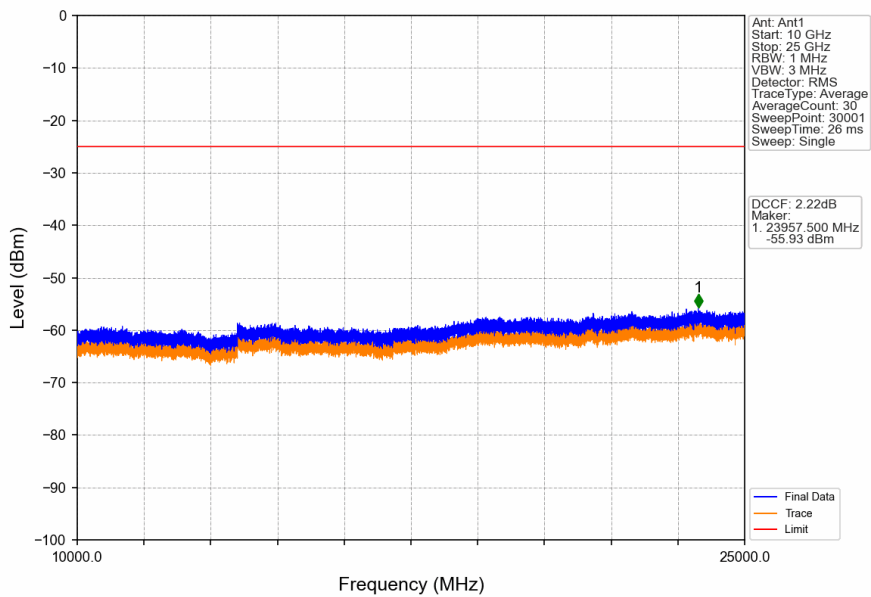
Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



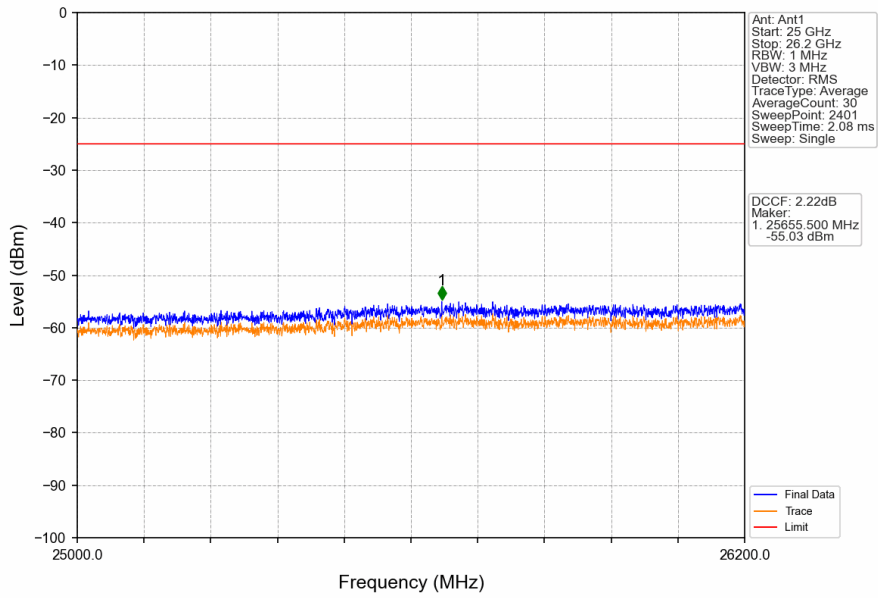
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



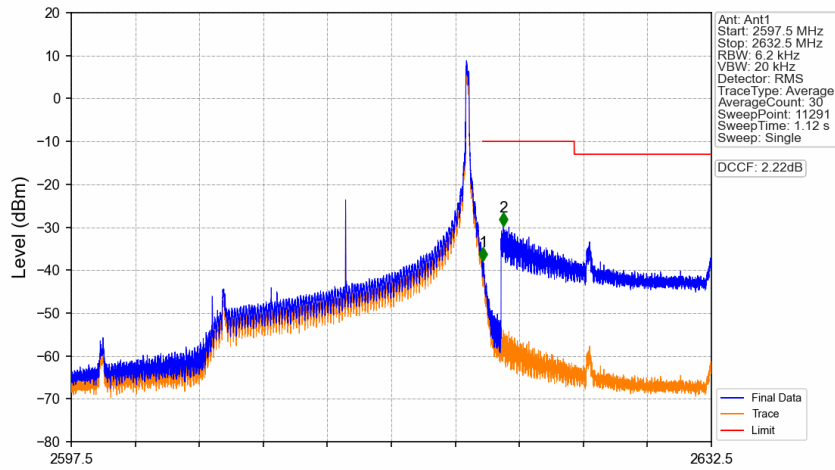
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV

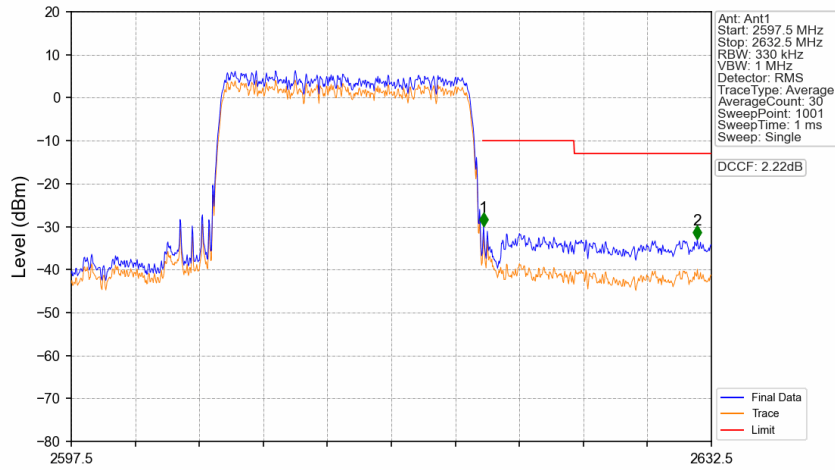


Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV



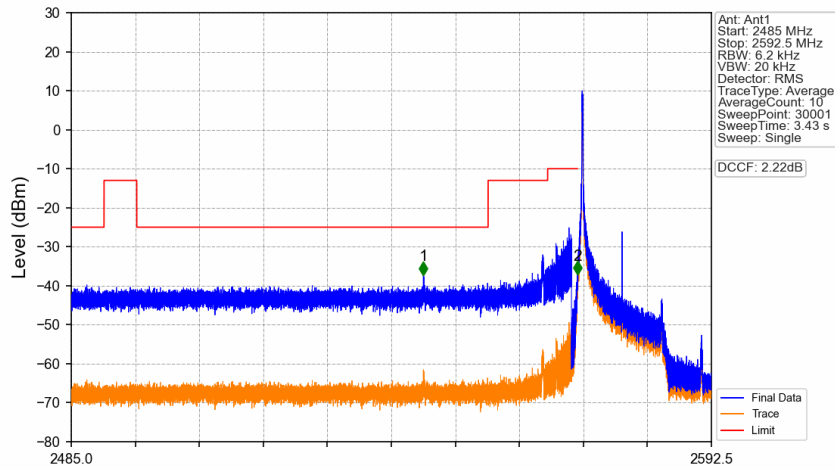
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.019	-37.89	-10	Pass
2621	2632.5	1	22.08	2	2621.113	-29.68	-10	Pass

Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



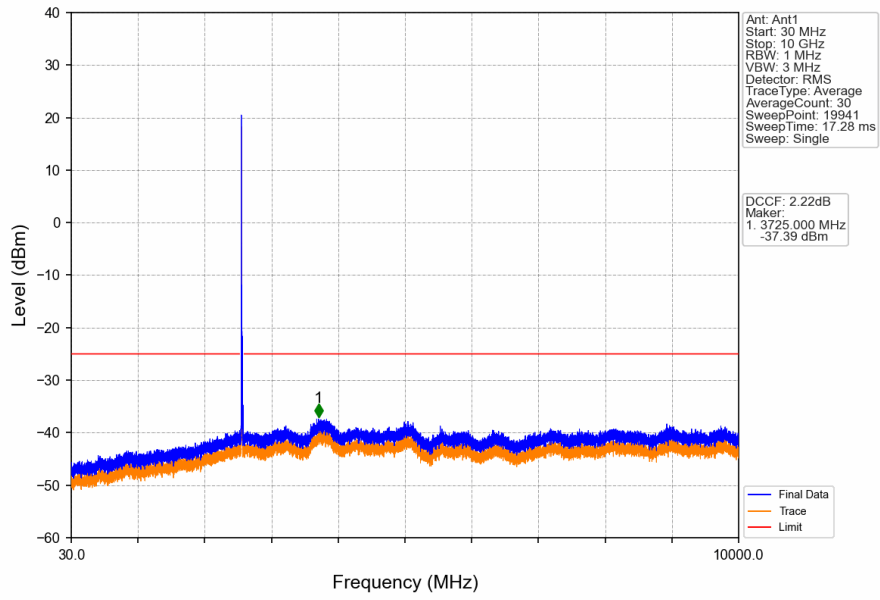
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.33	0	/	/	/	/	/
2620	2621	0.33	0	1	2620.040	-29.90	-10	Pass
2621	2632.5	1	4.81	2	2631.730	-32.89	-13	Pass

Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

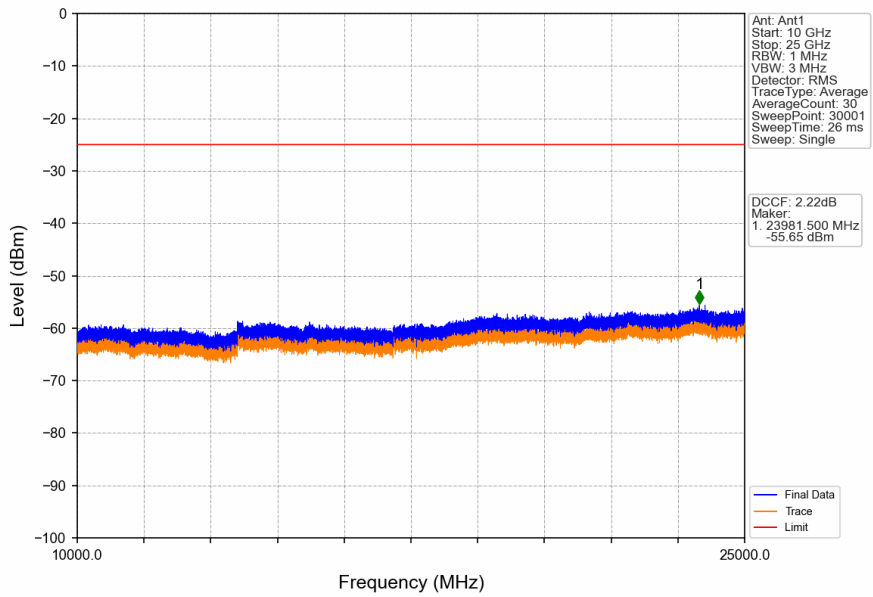


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2544.132	-37.23	-25	Pass
2569	2570	0.0062	0	2	2569.997	-37.11	-10	Pass
2570	2592.5	0.0062	0	/	/	/	/	/

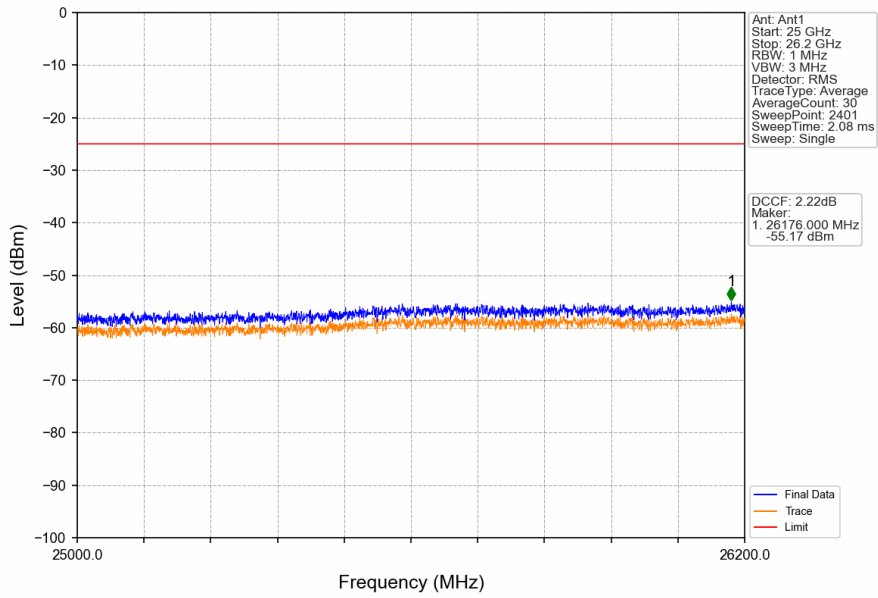
Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



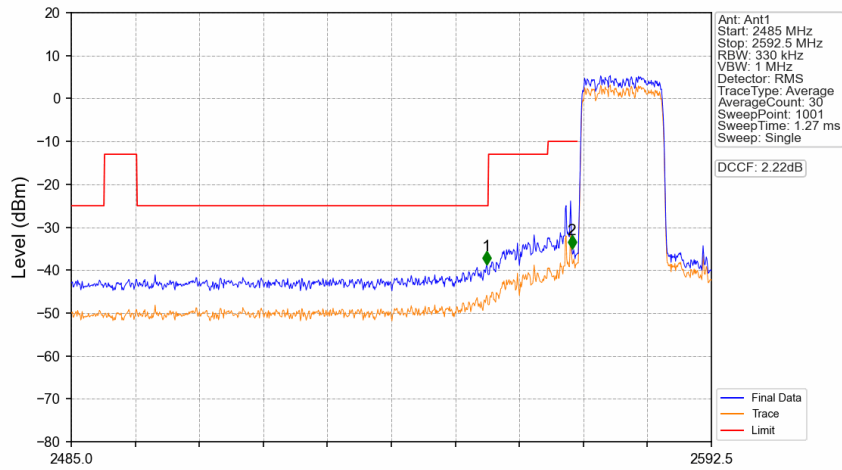
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Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



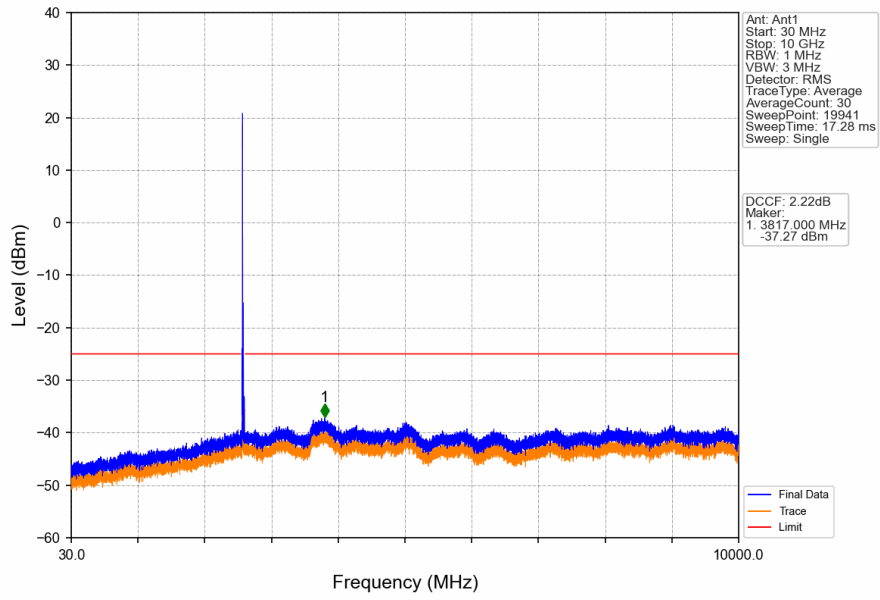
Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV



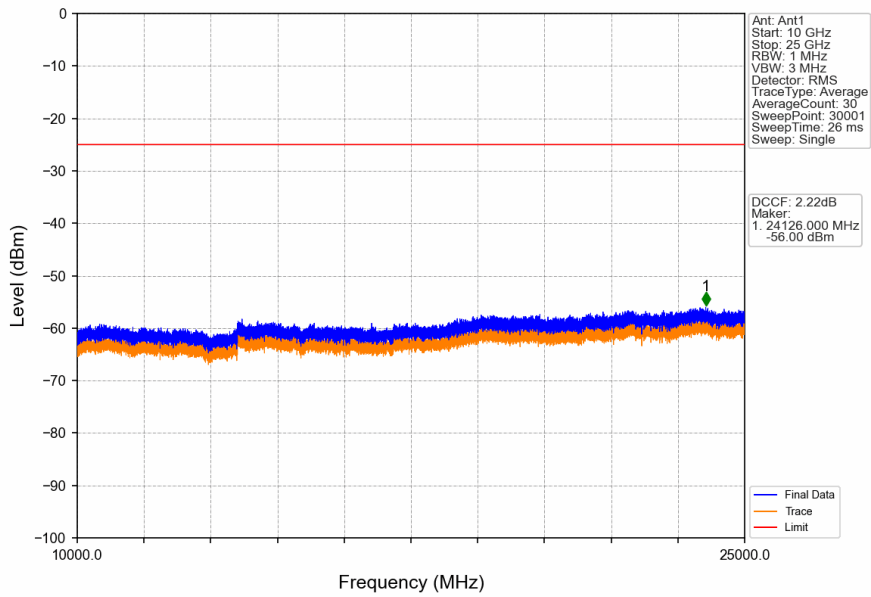
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	4.81	1	2554.767	-38.81	-25	Pass
2569	2570	0.33	0	2	2569.065	-35.02	-10	Pass
2570	2592.5	0.33	0	/	/	/	/	/



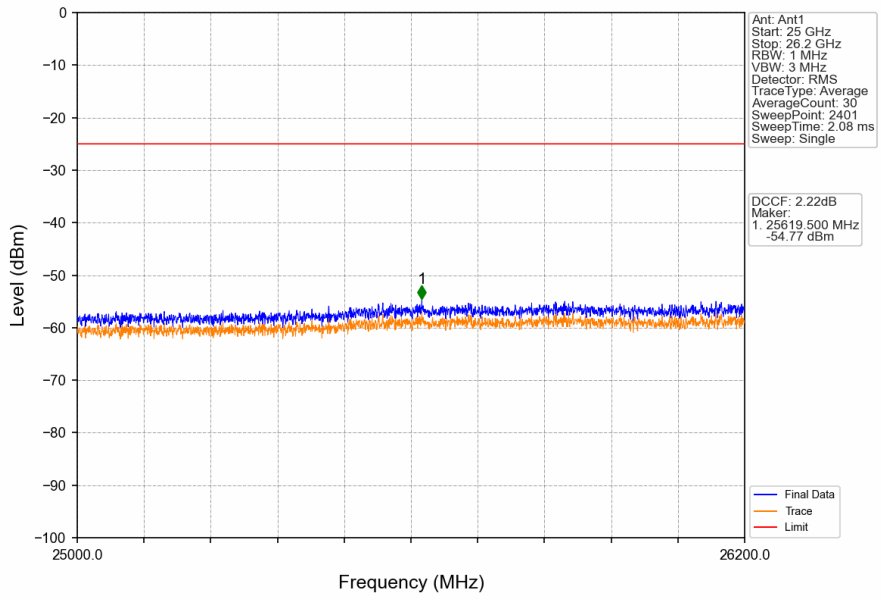
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



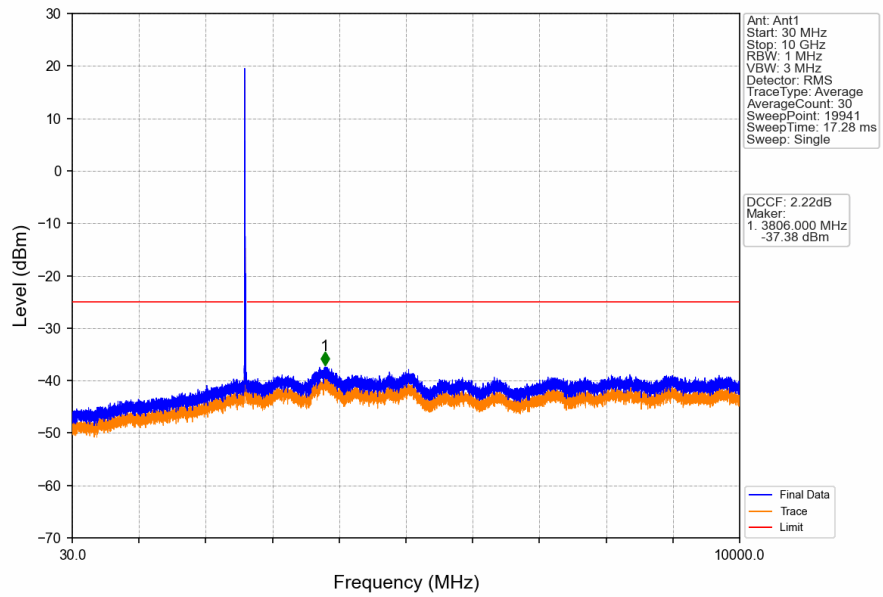
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



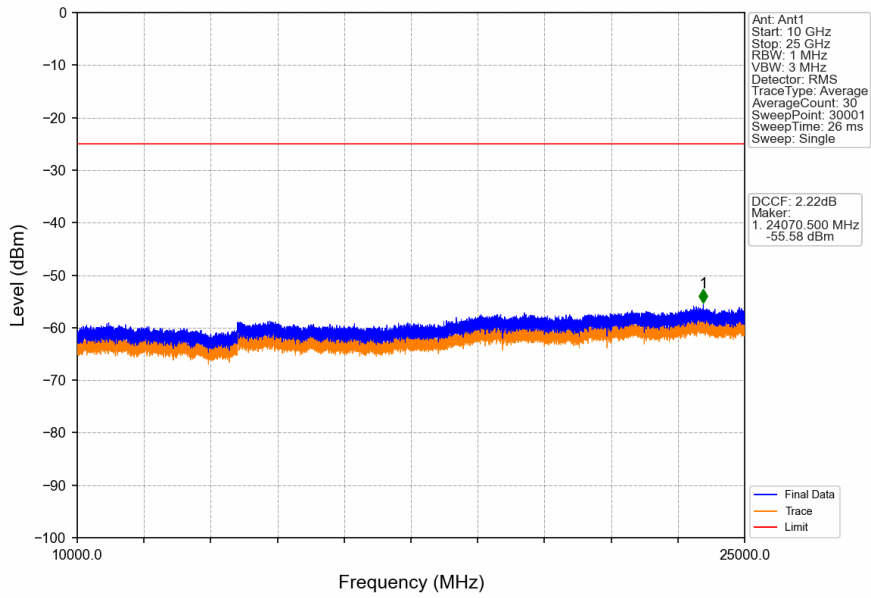
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



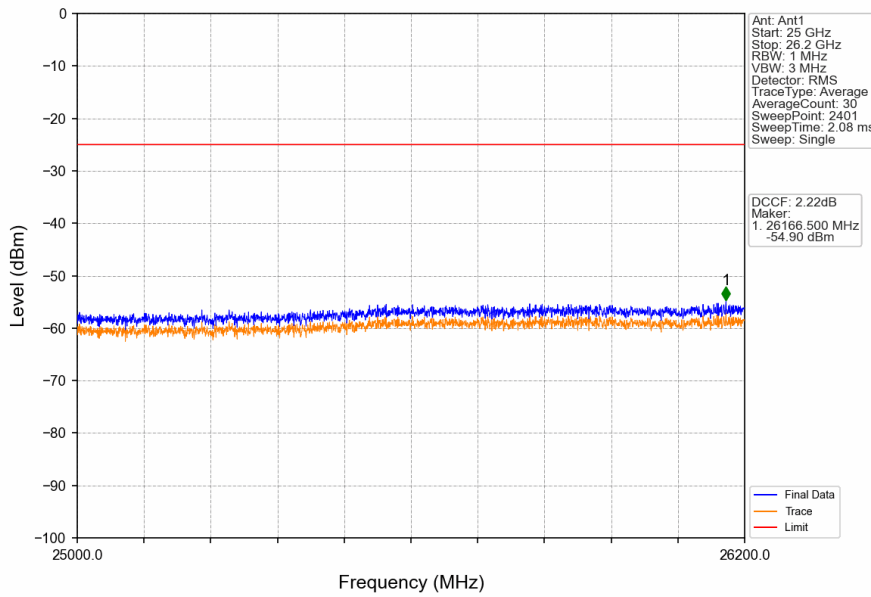
Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



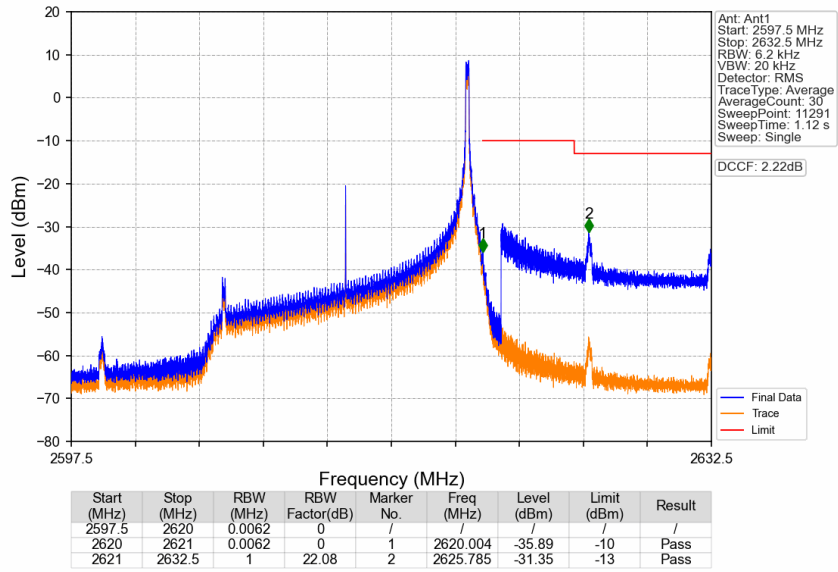
Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



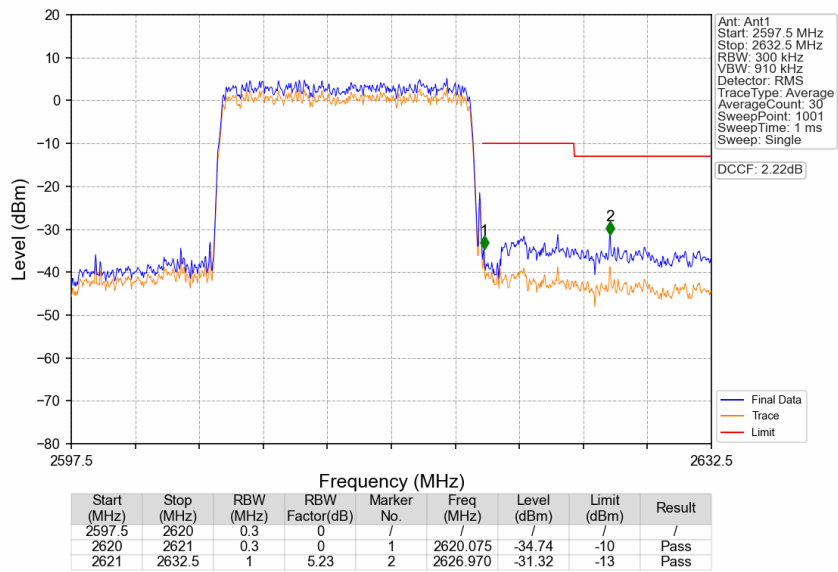
Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV



Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV

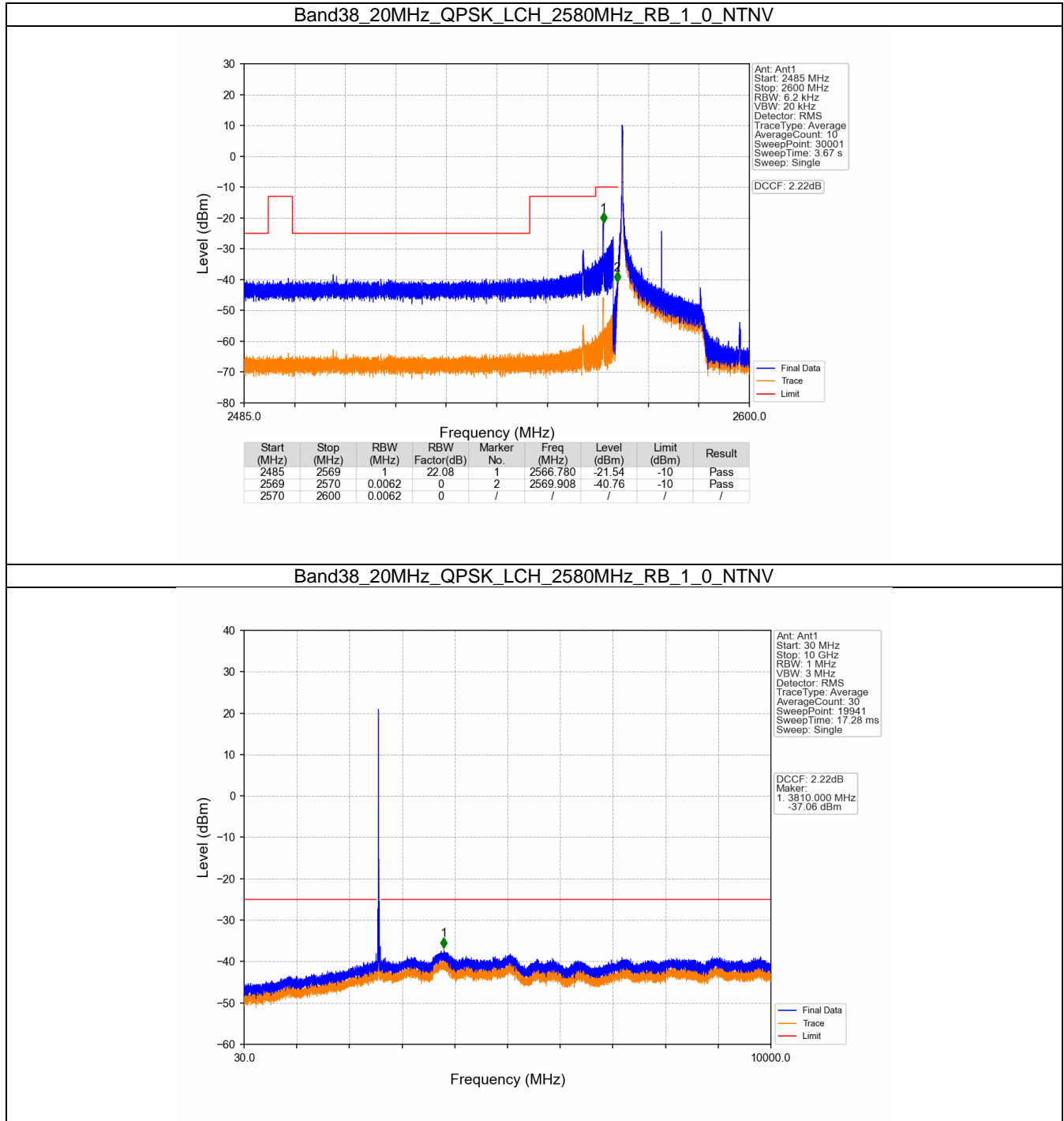


## 2.4 B38\_20MHz

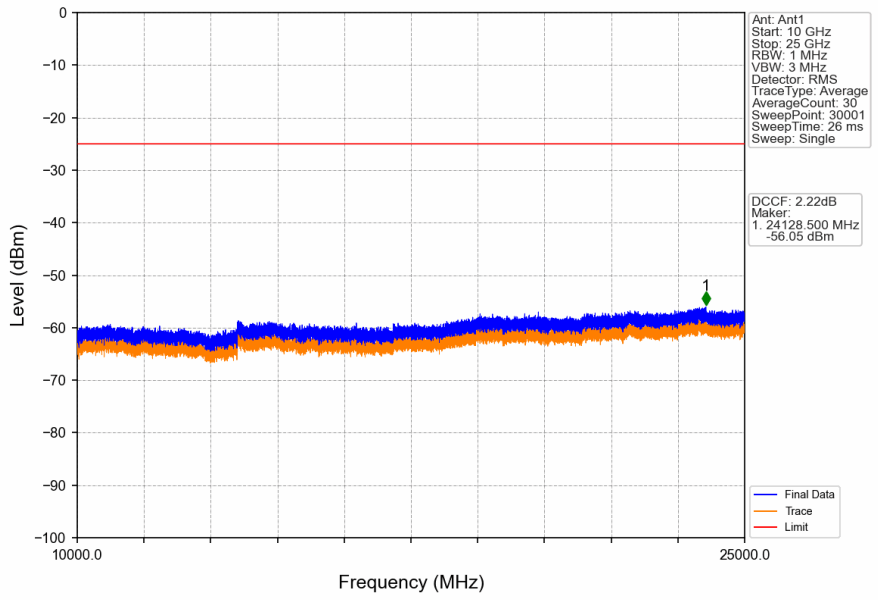
### 2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

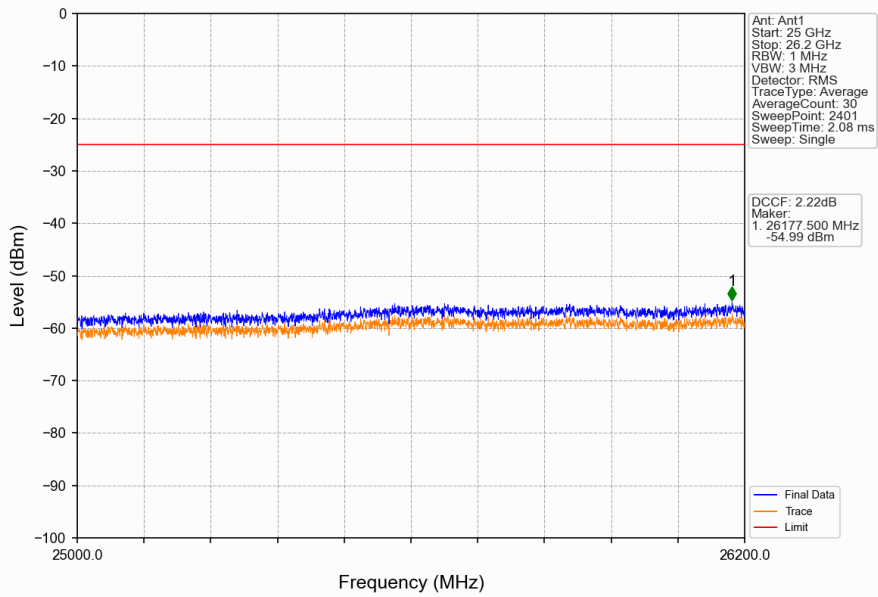
## 2.4.2 Test Graph



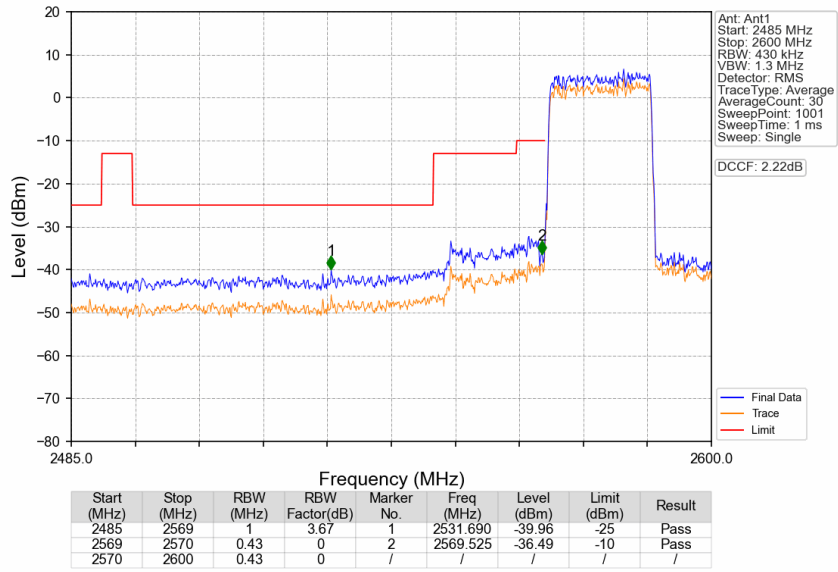
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV



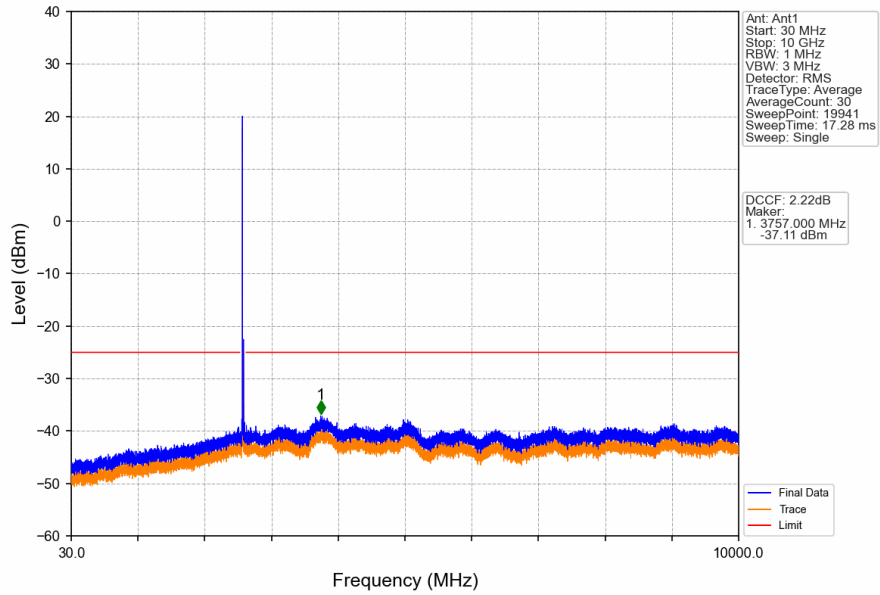
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_100\_0\_NTNV

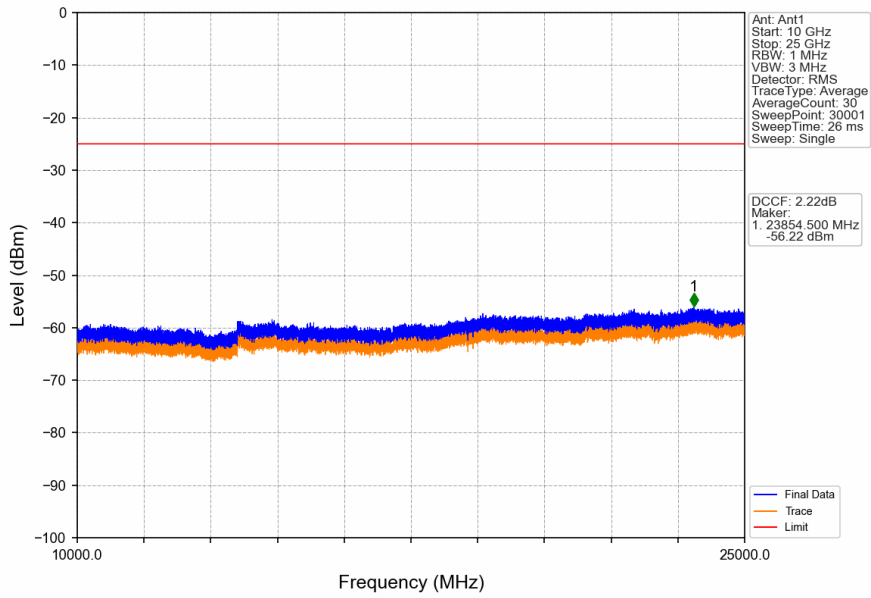


Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV

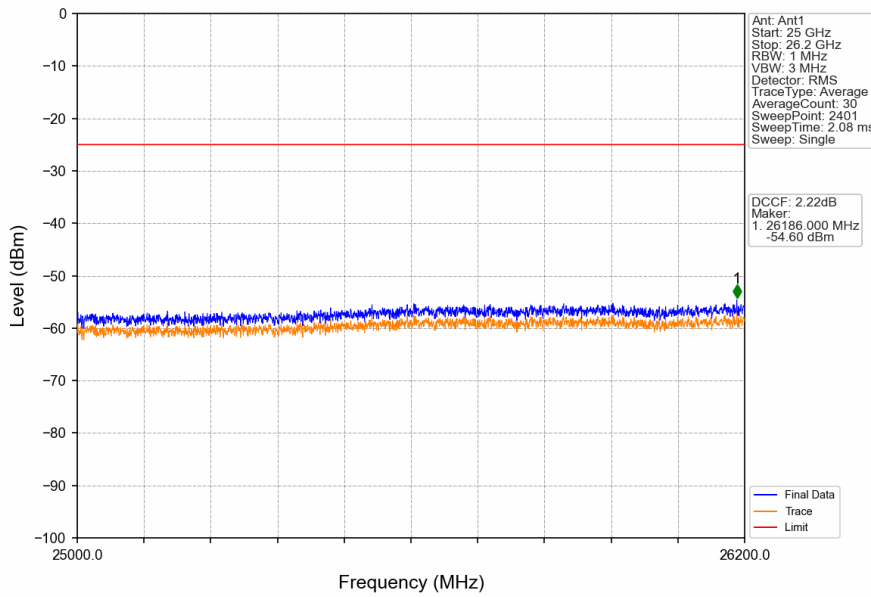




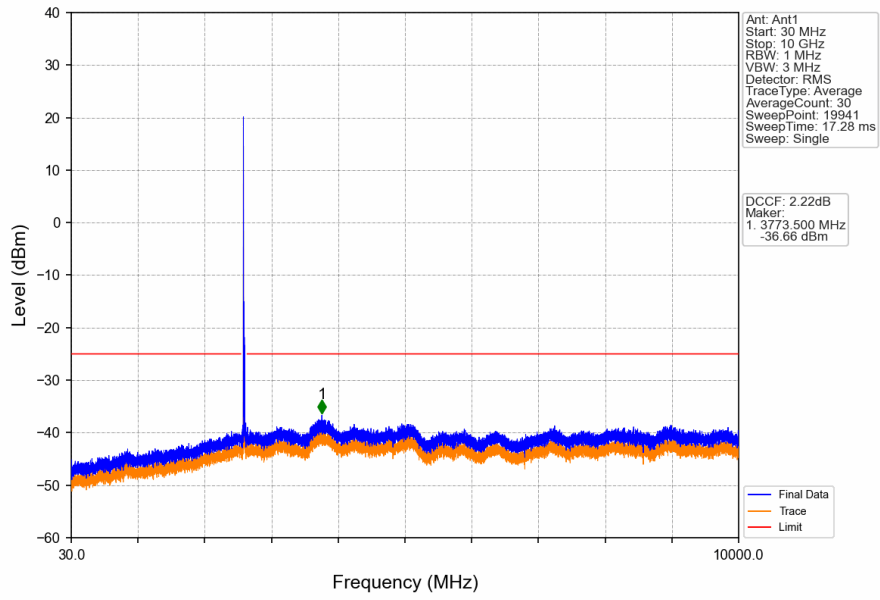
Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



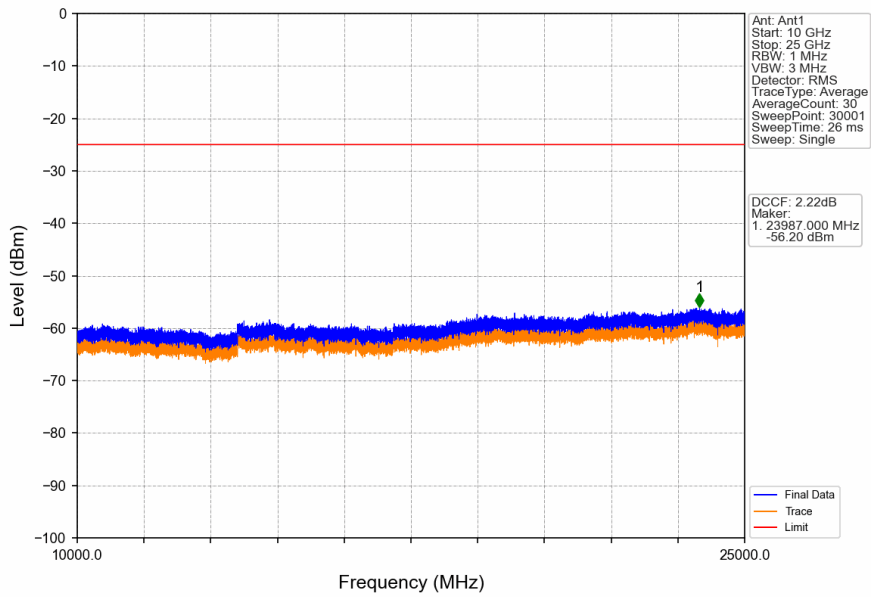
Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



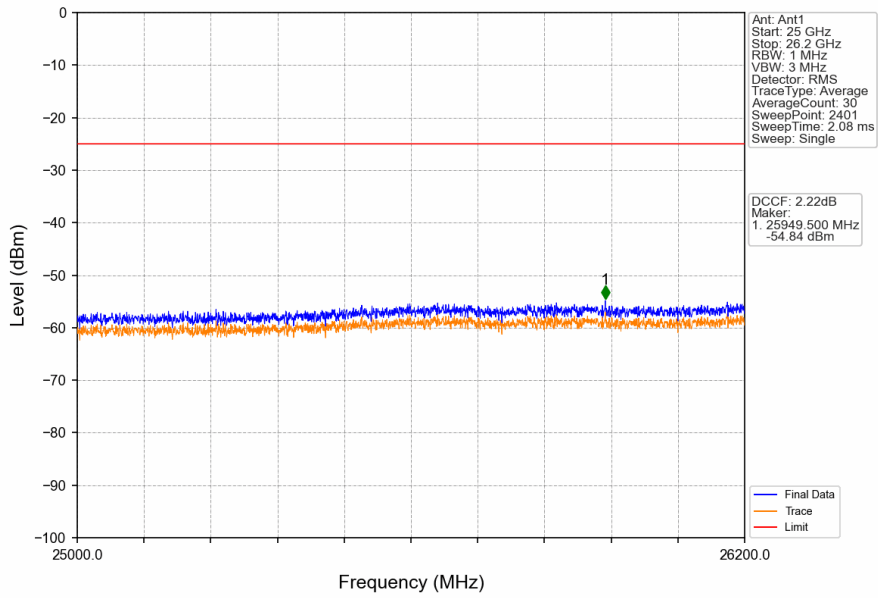
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV



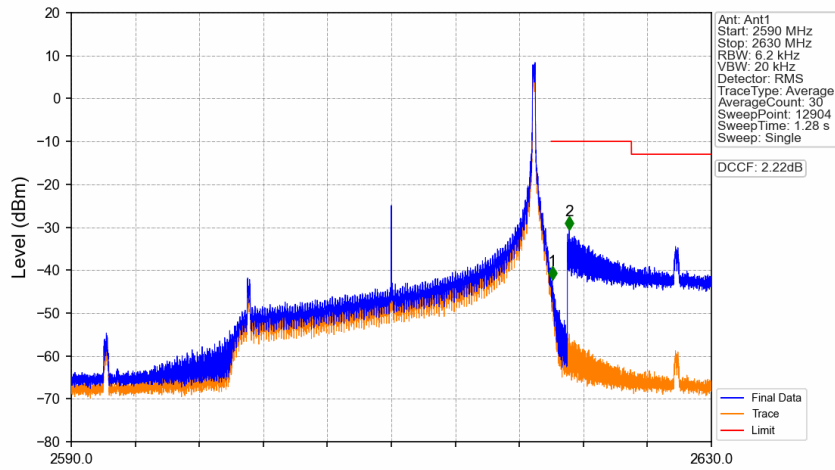
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV

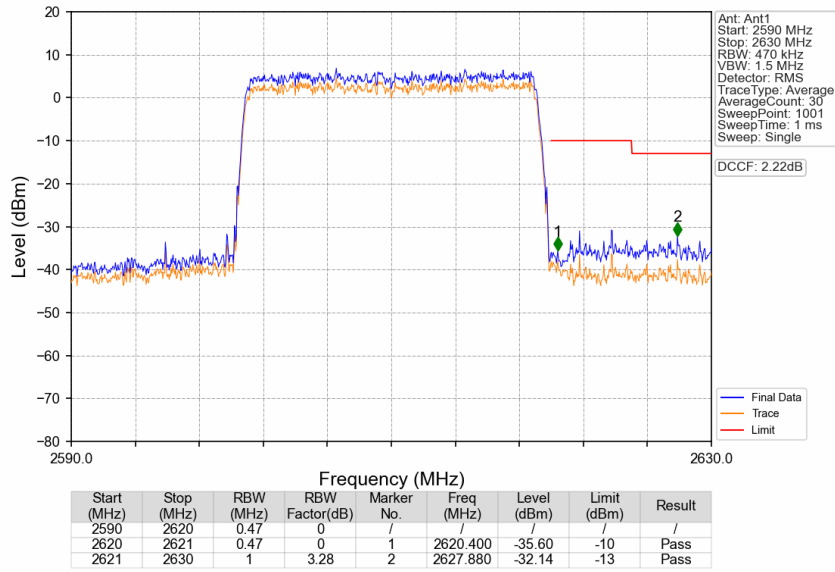


Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_99\_NTNV

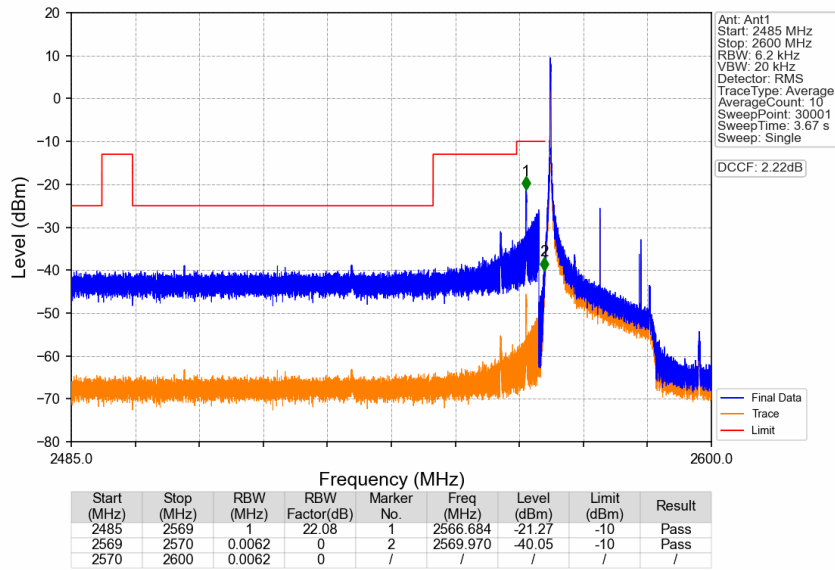


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.055	-42.22	-10	Pass
2621	2630	1	22.08	2	2621.118	-30.62	-10	Pass

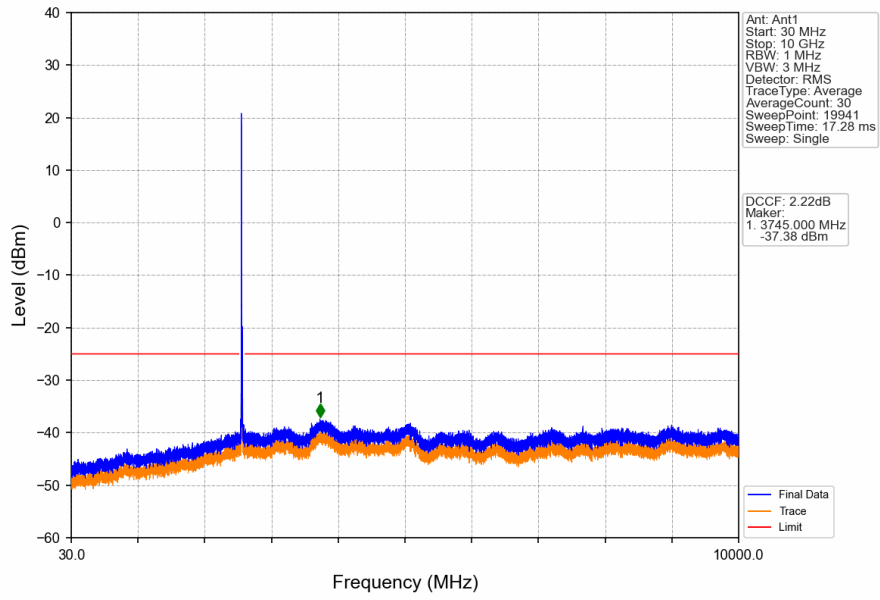
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_100\_0\_NTNV



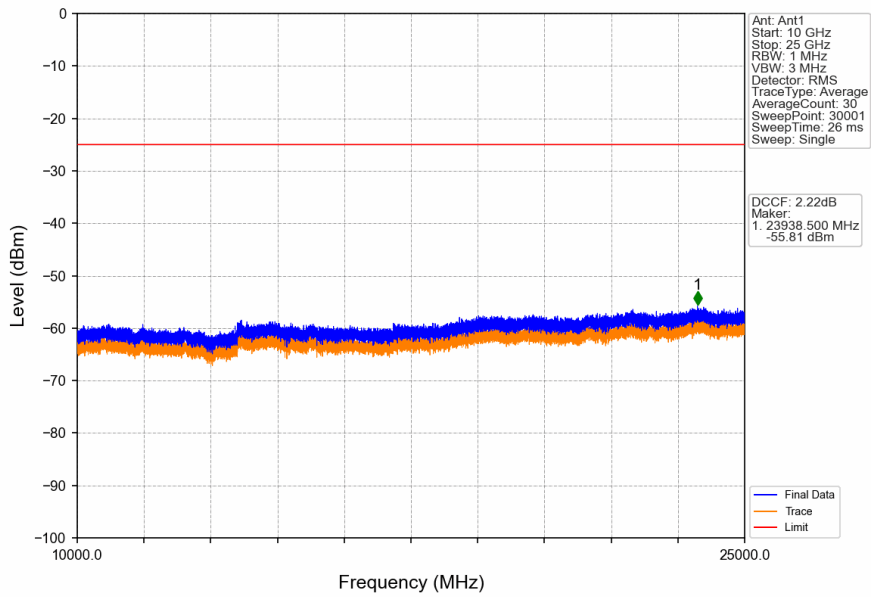
Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV



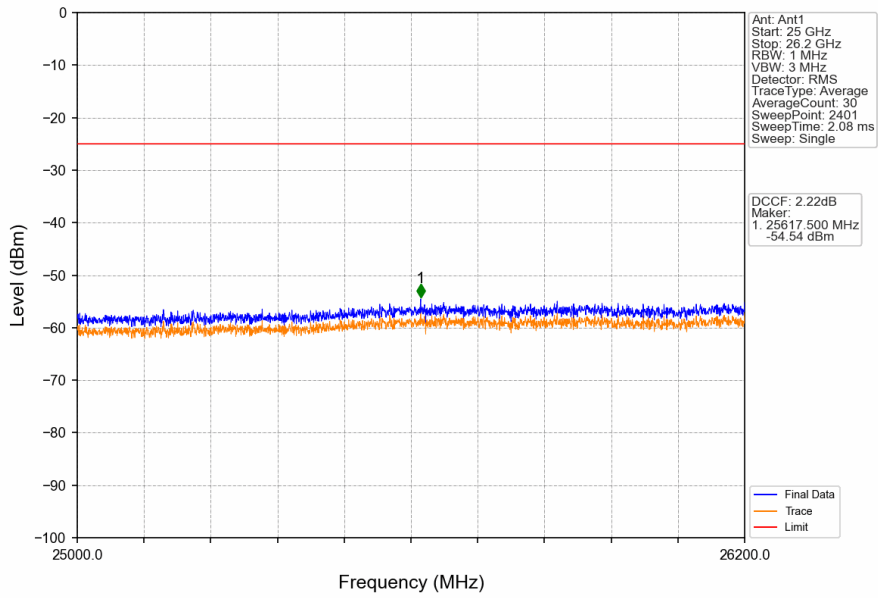
Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV



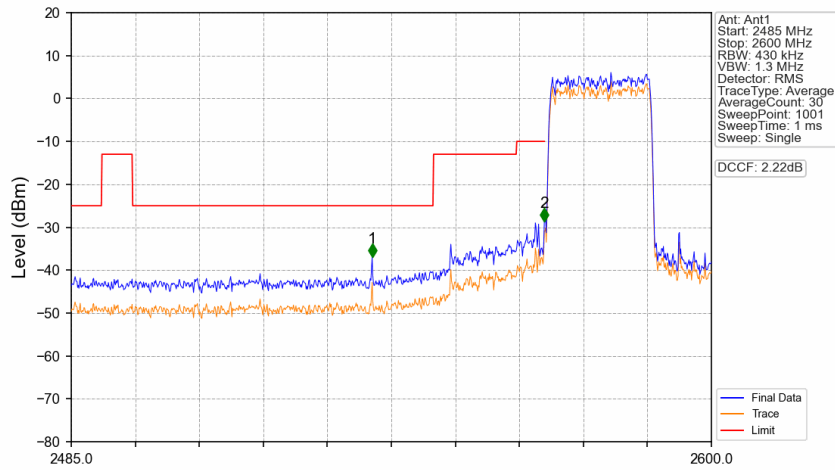
Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV

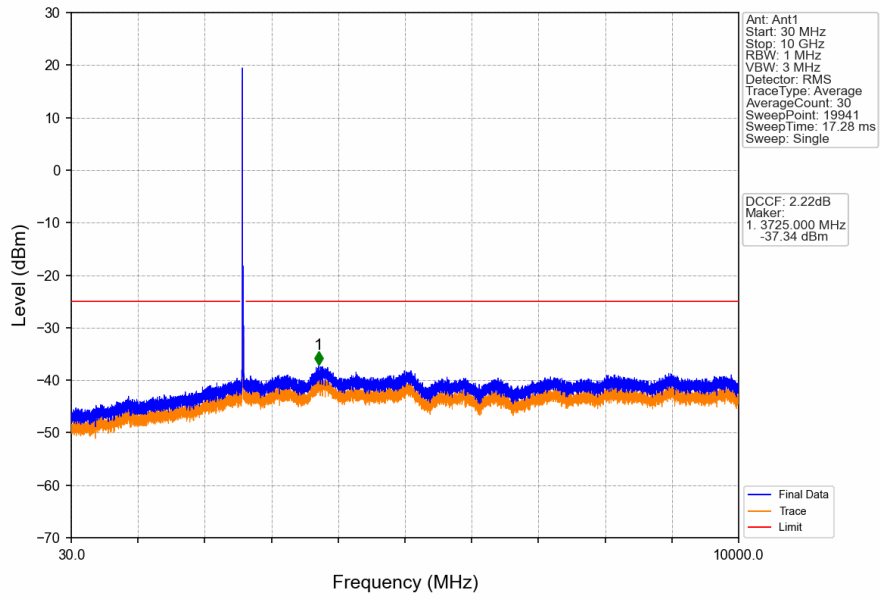


Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_100\_0\_NTNV

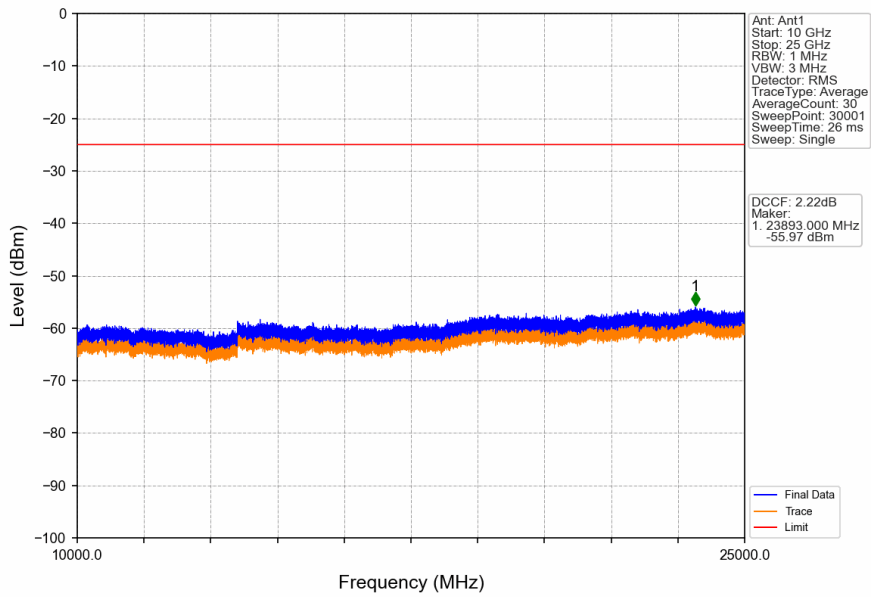


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	3.67	1	2539.050	-36.98	-25	Pass
2569	2570	0.43	0	2	2569.985	-28.66	-10	Pass
2570	2600	0.43	0	/	/	/	/	/

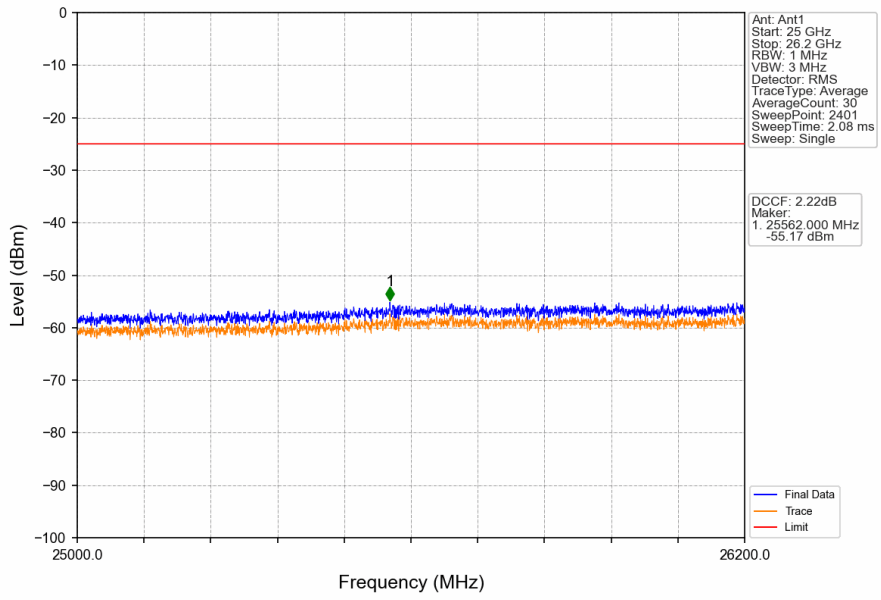
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



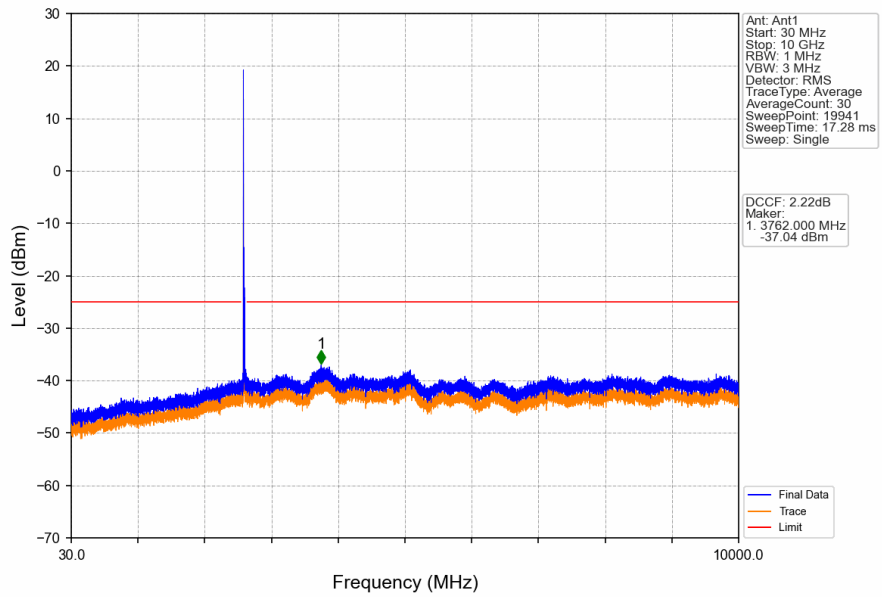
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV

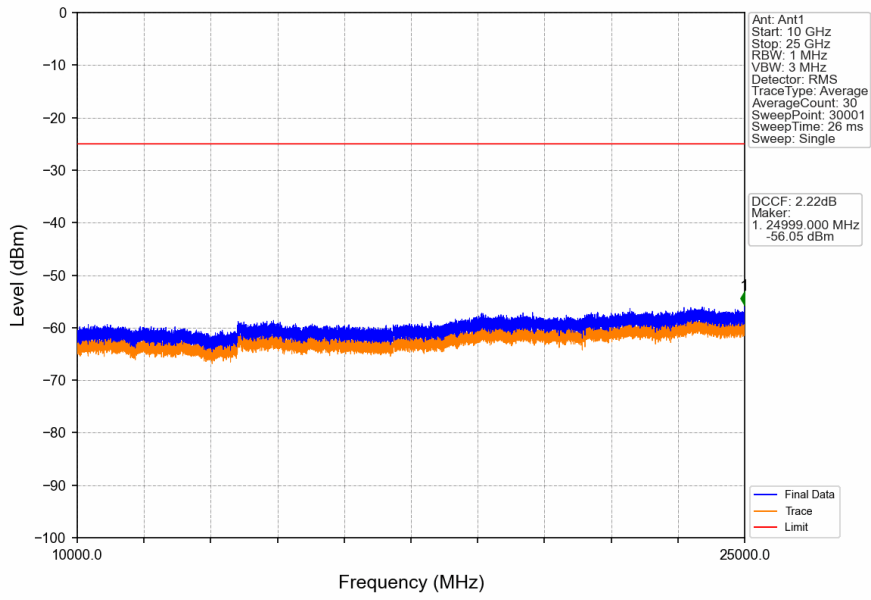


Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV





Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV

