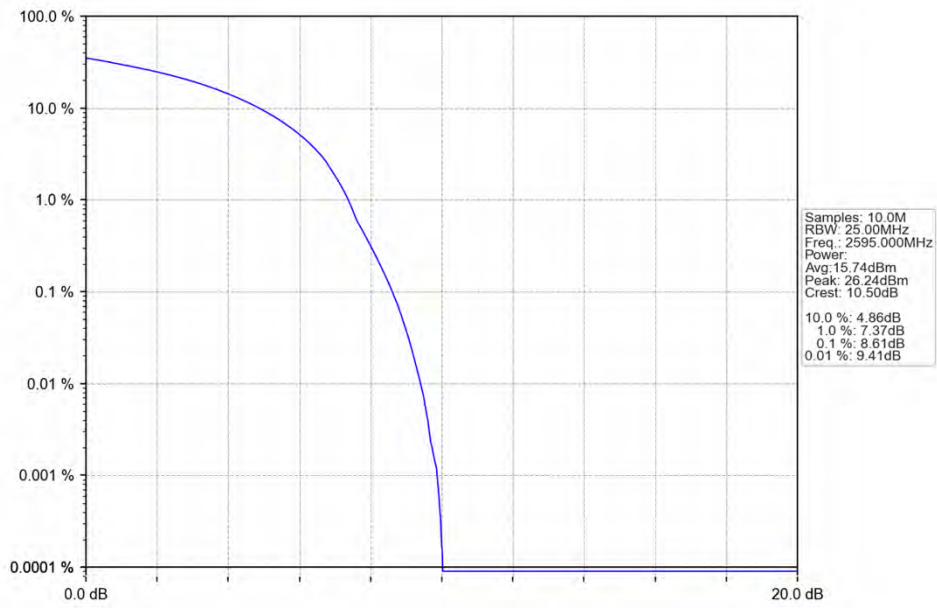
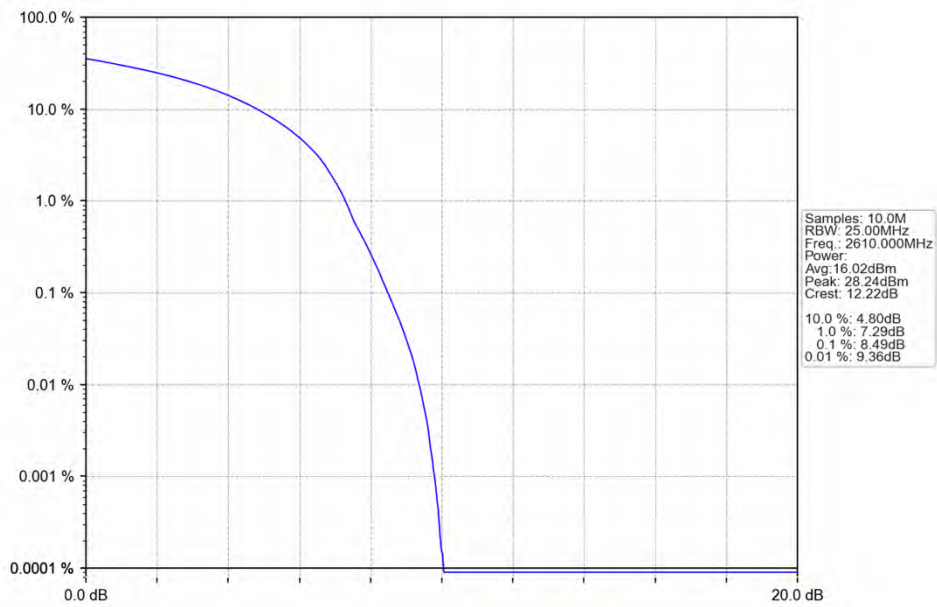


Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_100\_0\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_100\_0\_NTNV



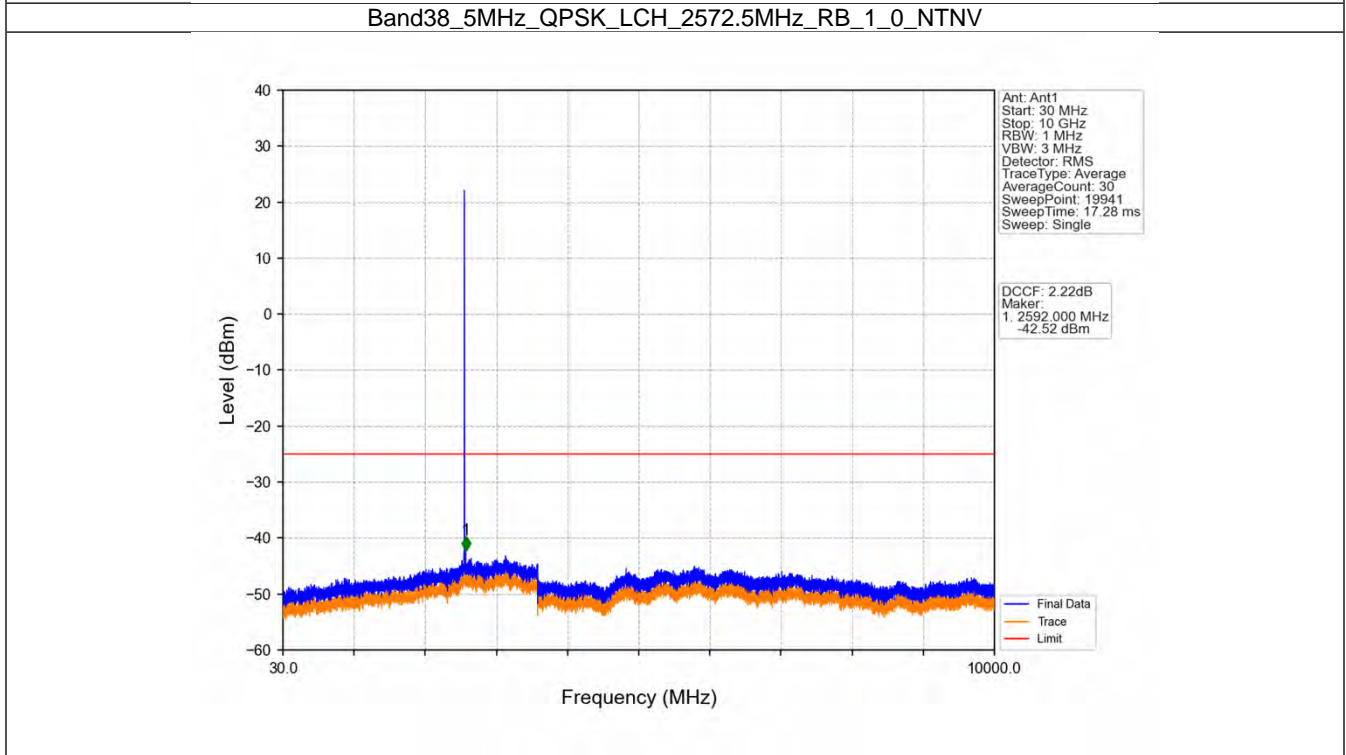
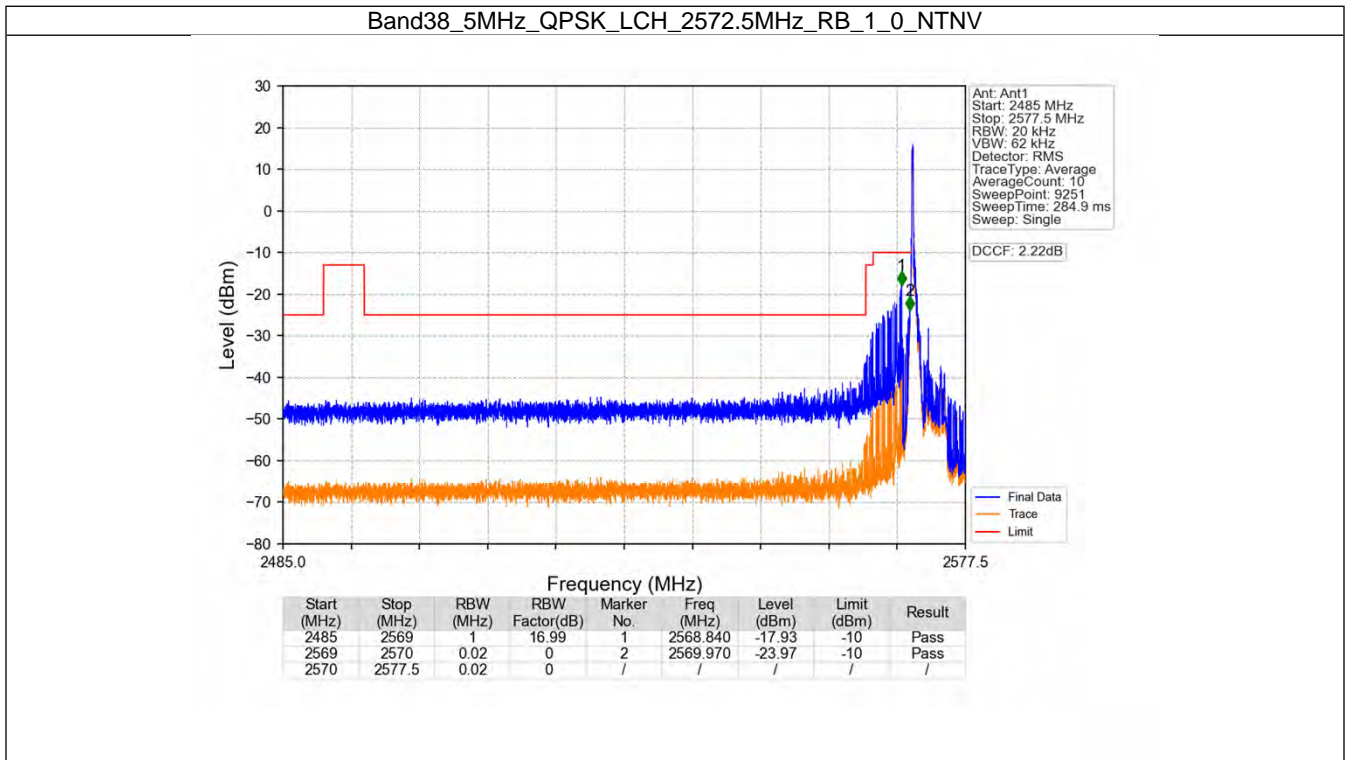
## 6. Spurious Emission

### 6.1 B38\_5MHz

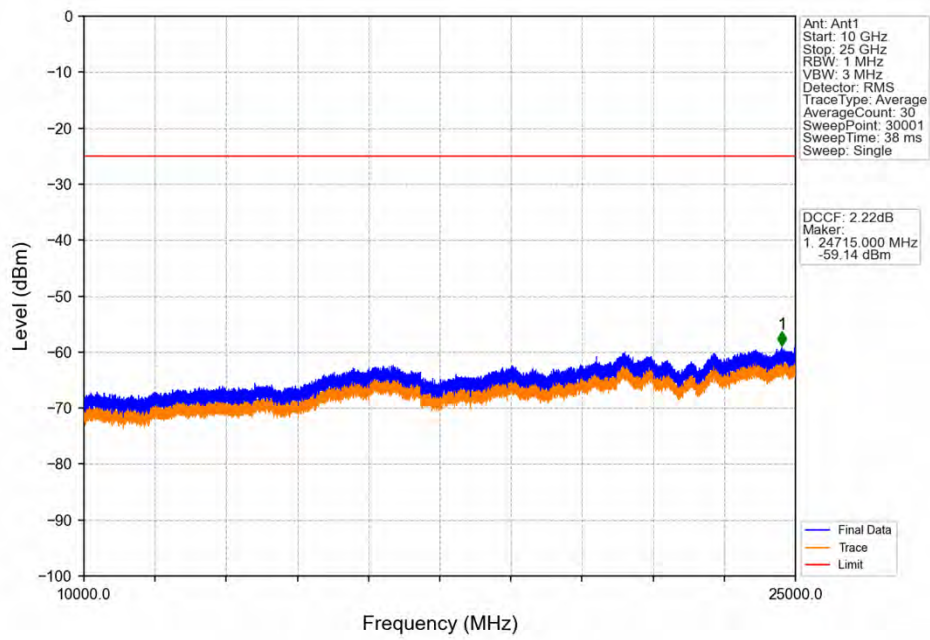
#### 6.1.1 Test Result

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
	2617.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	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
	2617.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

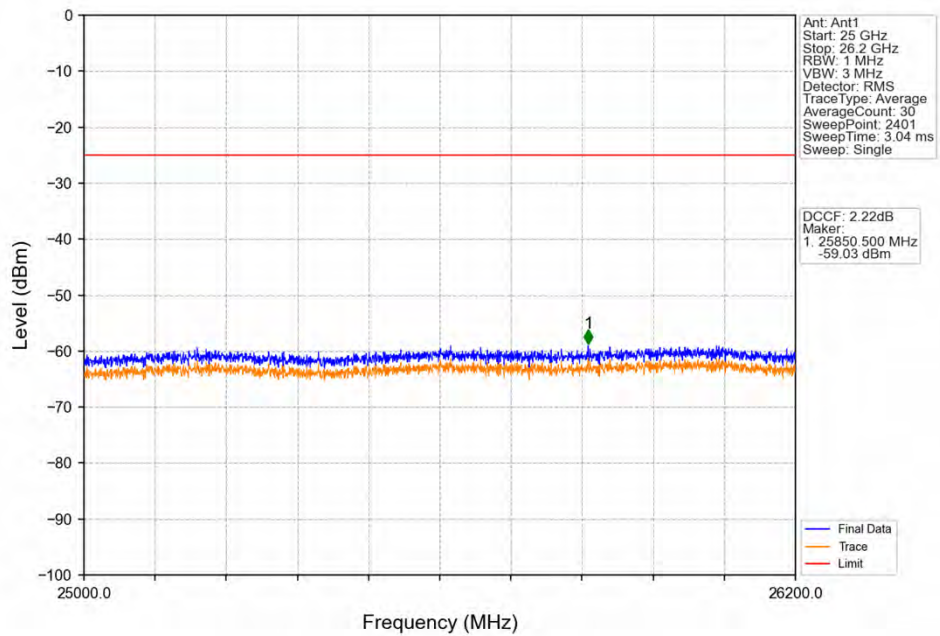
6.1.2 Test Graph



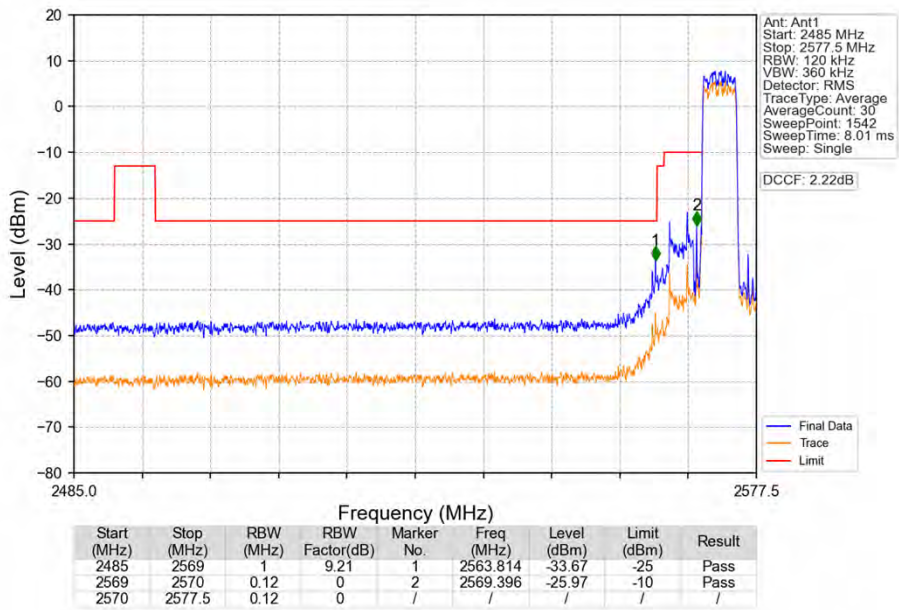
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



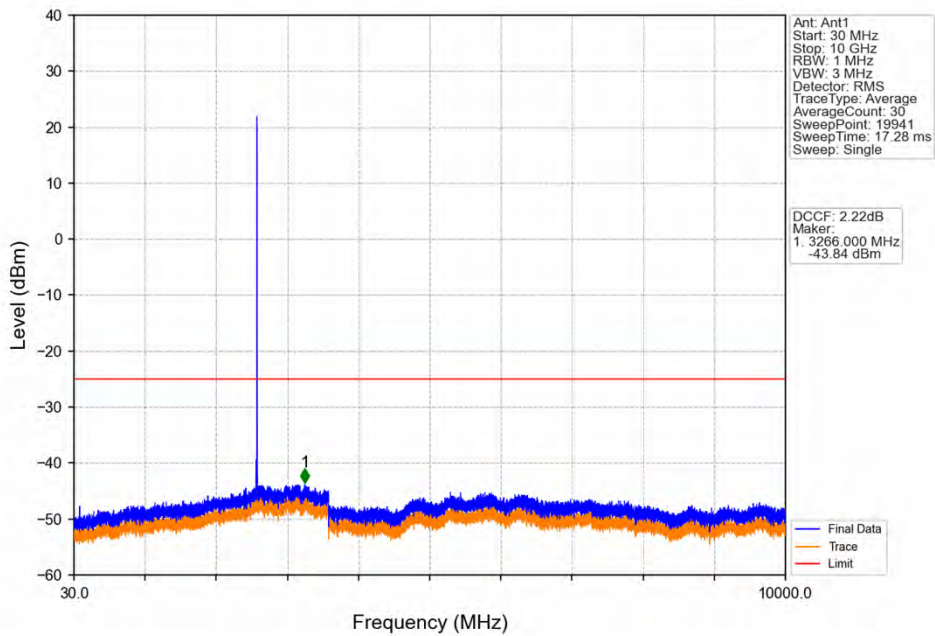
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



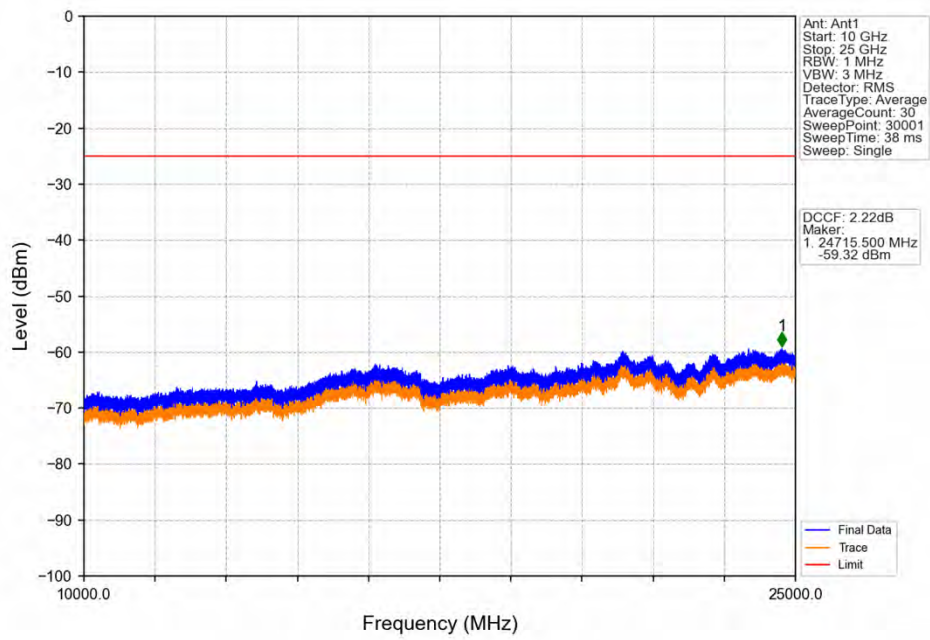
Band38\_5MHz\_QPSK\_LCH\_2572.5MHz\_RB\_25\_0\_NTNV



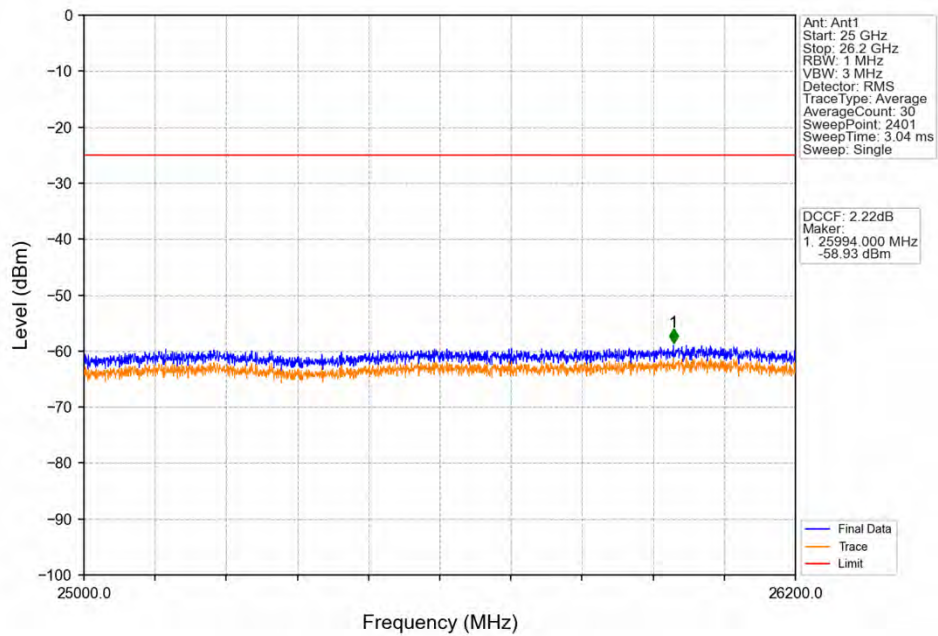
Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



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

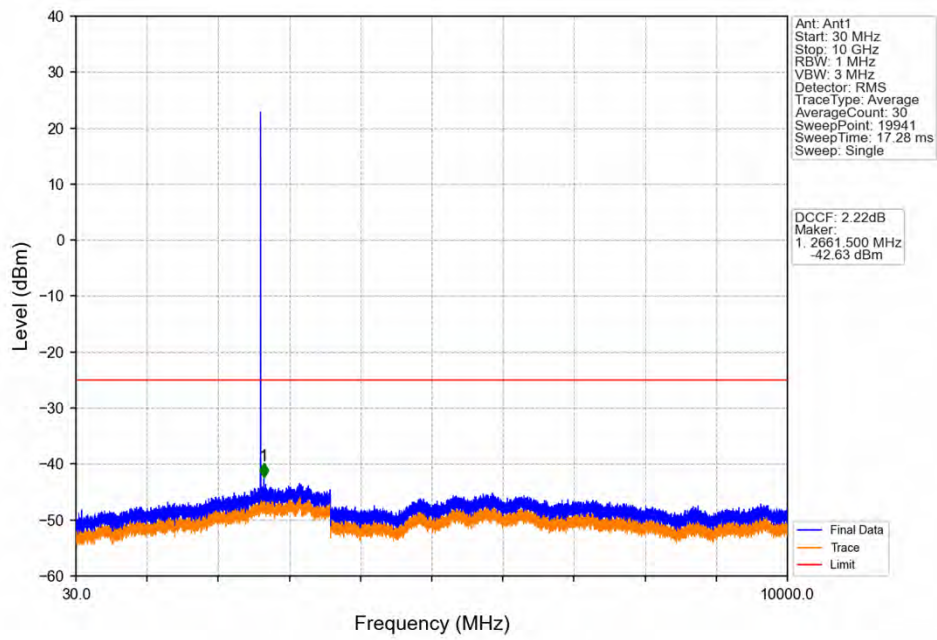


Band38\_5MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV

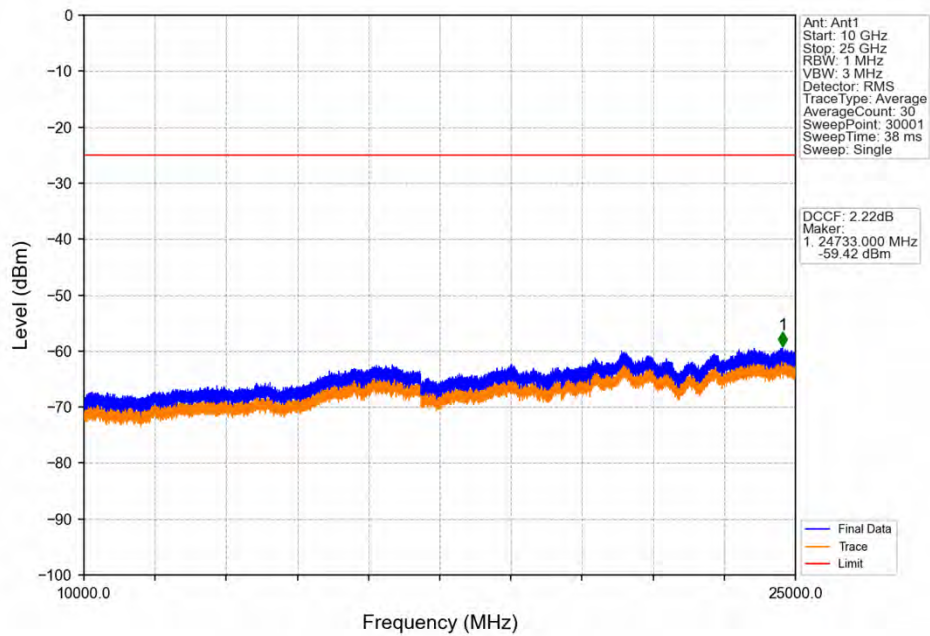




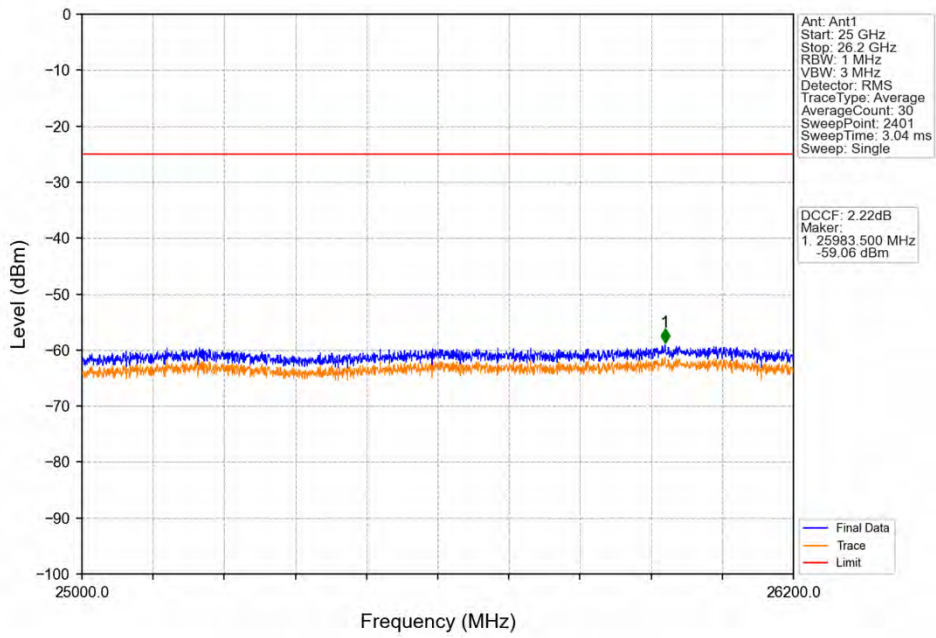
Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



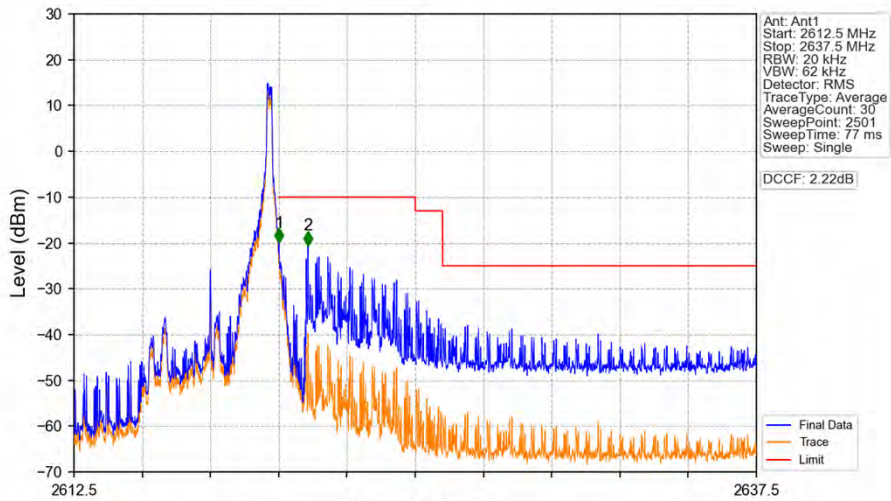
Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



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



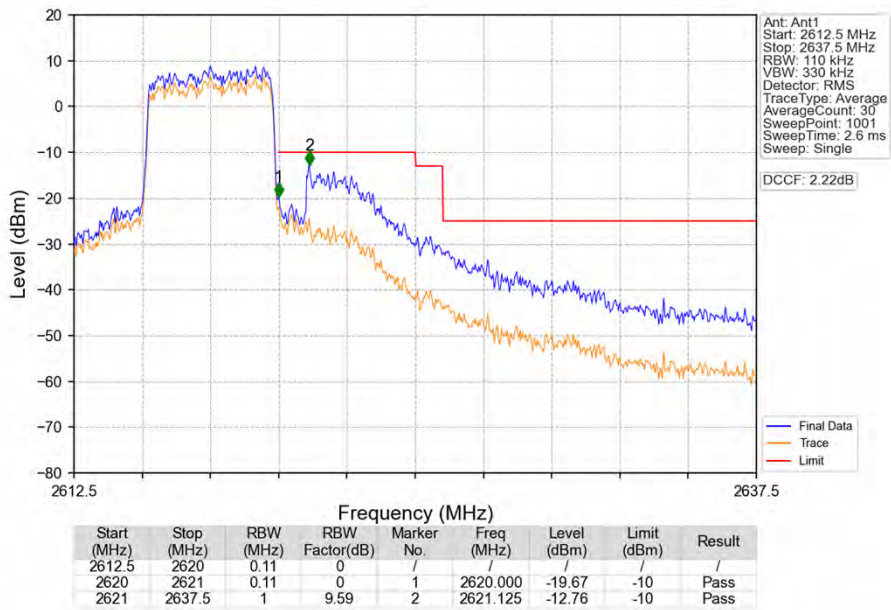
Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_1\_24\_NTNV



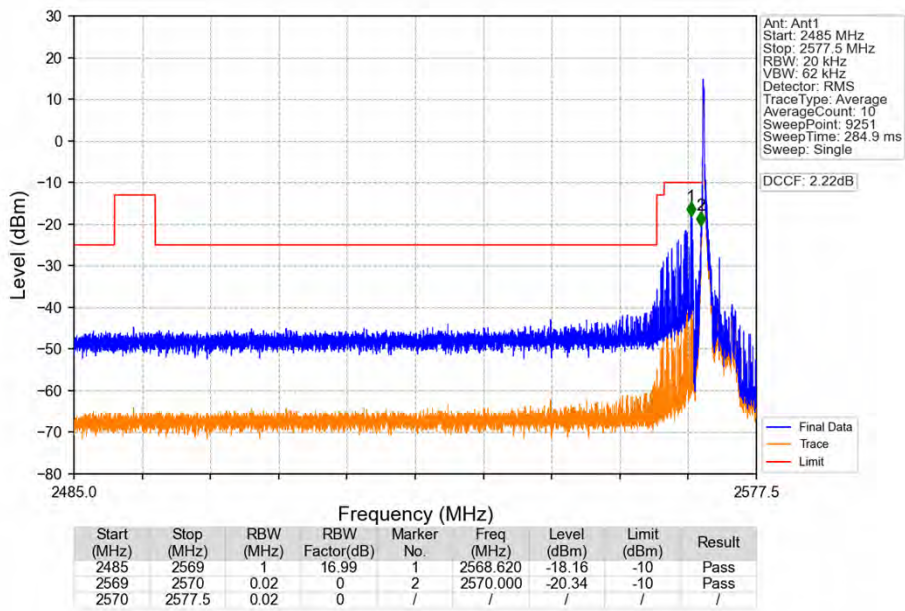
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.02	0	1	2620.010	-19.90	-10	Pass
2621	2637.5	1	16.99	2	2621.070	-20.54	-10	Pass



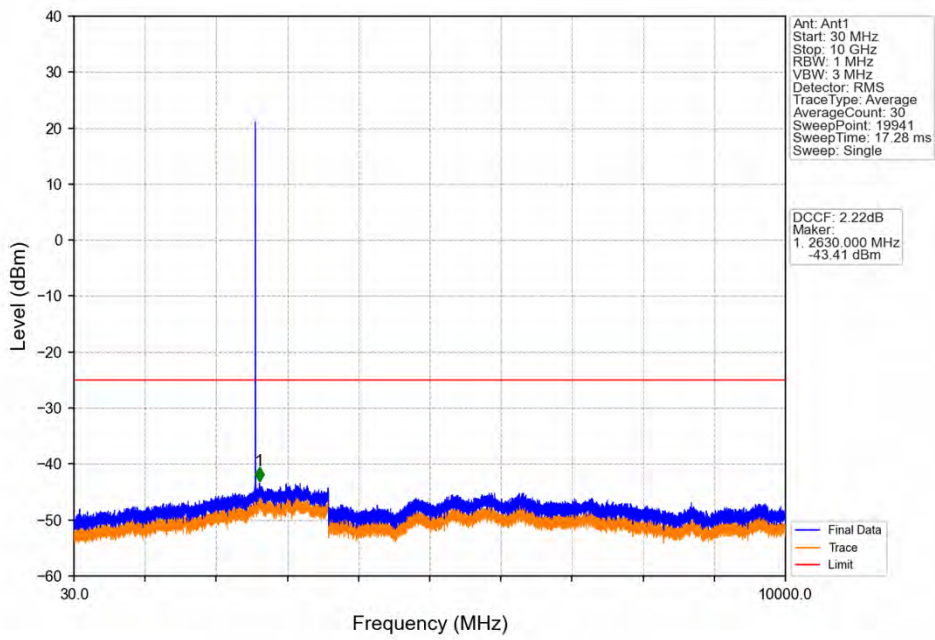
Band38\_5MHz\_QPSK\_HCH\_2617.5MHz\_RB\_25\_0\_NTNV



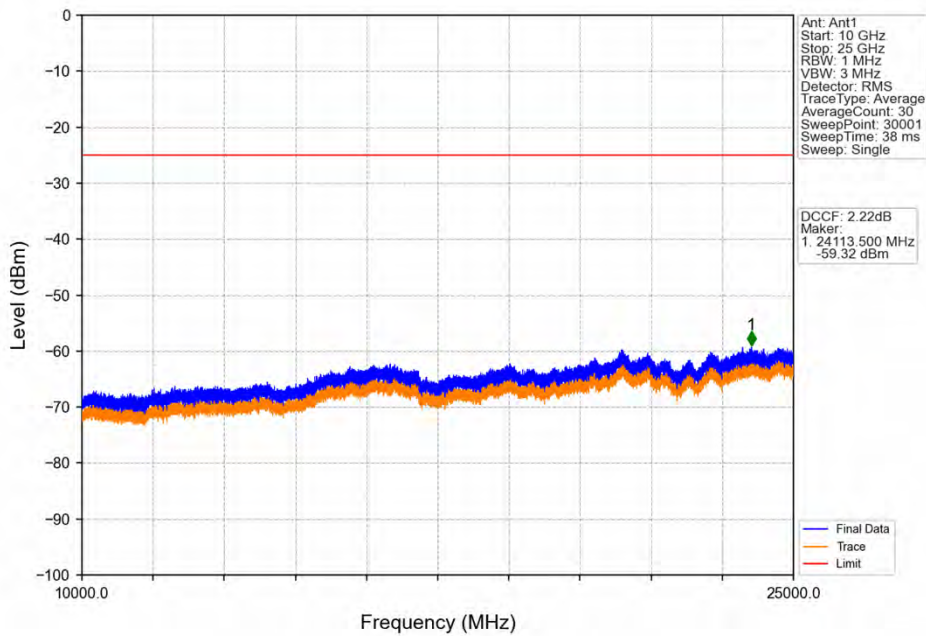
Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



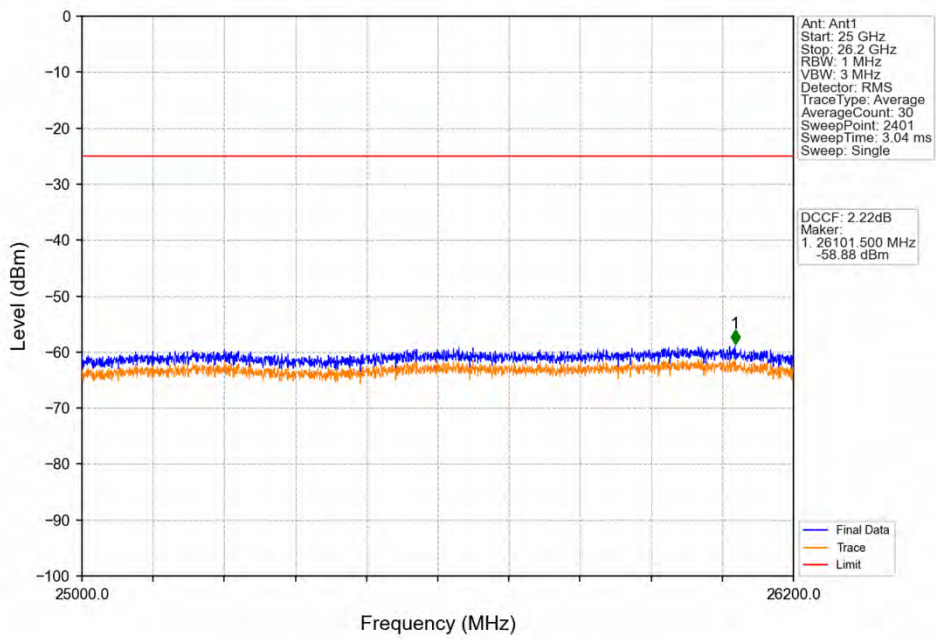
Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



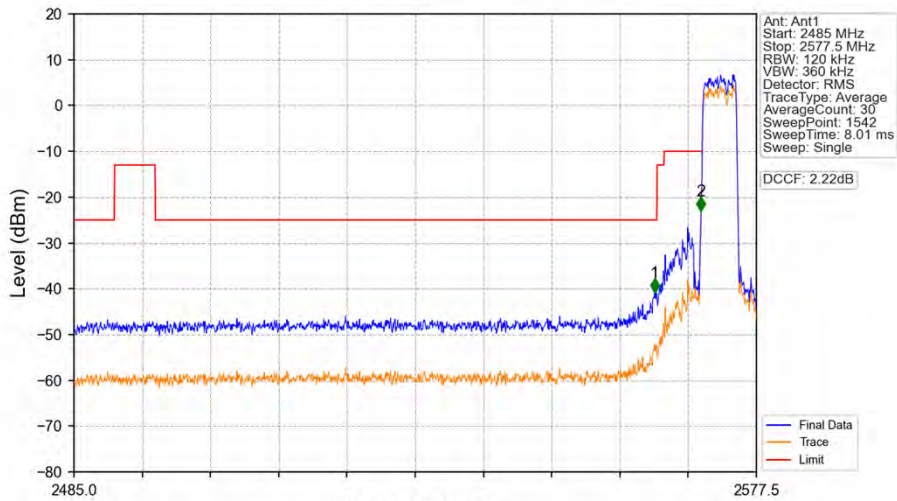
Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_1\_0\_NTNV



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

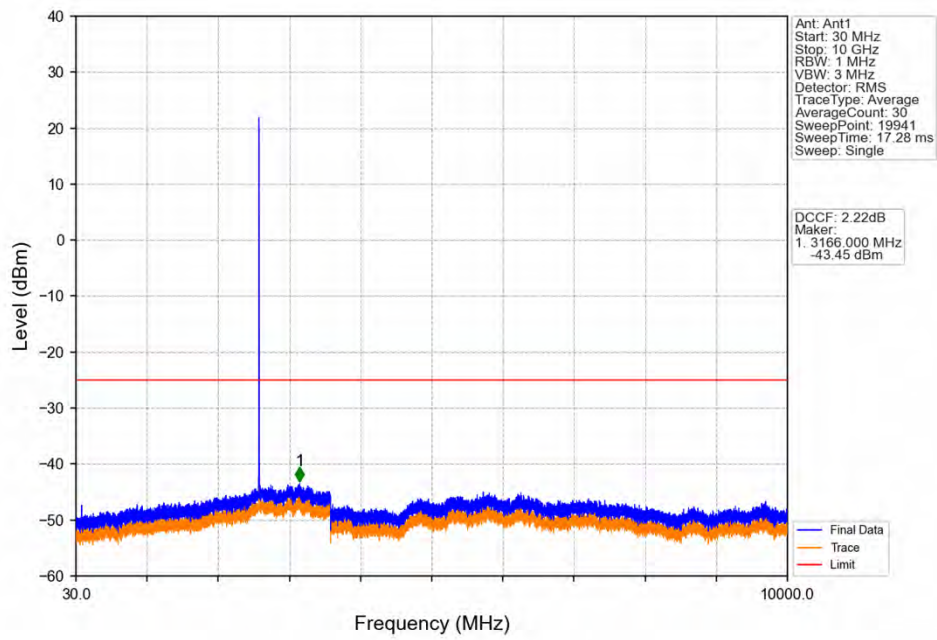


Band38\_5MHz\_16QAM\_LCH\_2572.5MHz\_RB\_25\_0\_NTNV

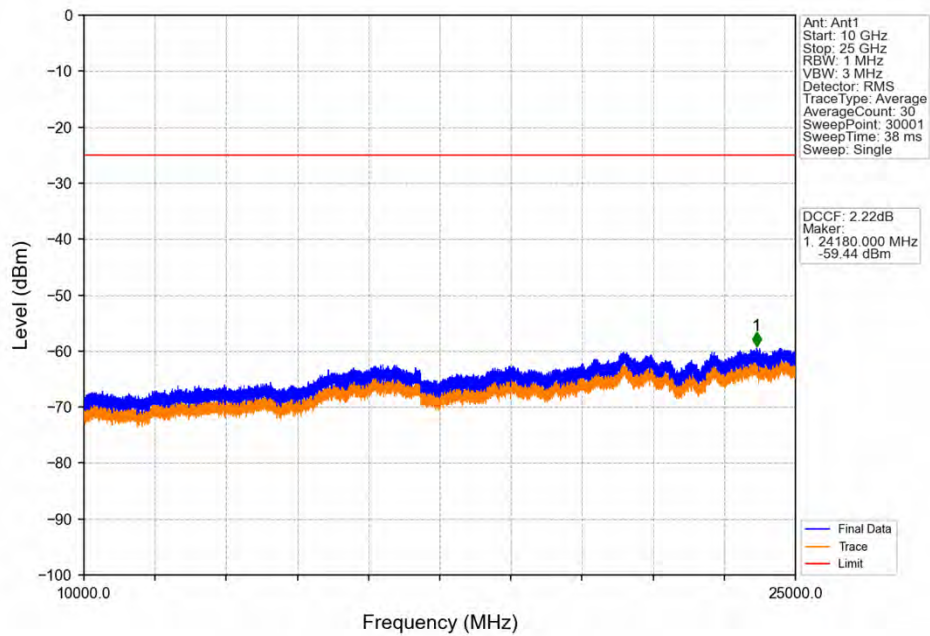


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	9.21	1	2563.694	-40.80	-25	Pass
2569	2570	0.12	0	2	2569.997	-23.02	-10	Pass
2570	2577.5	0.12	0	/	/	/	/	/

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

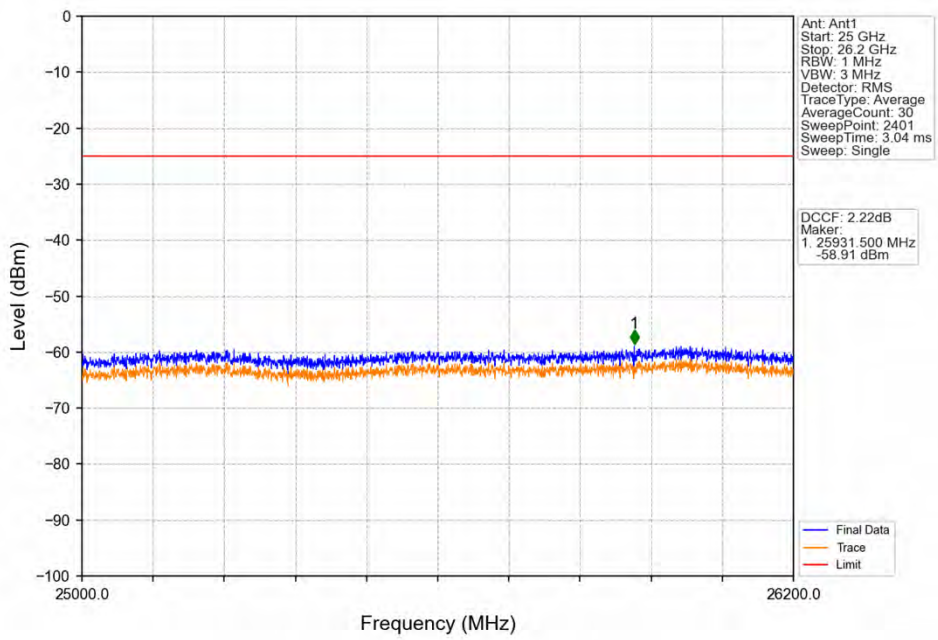


Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV

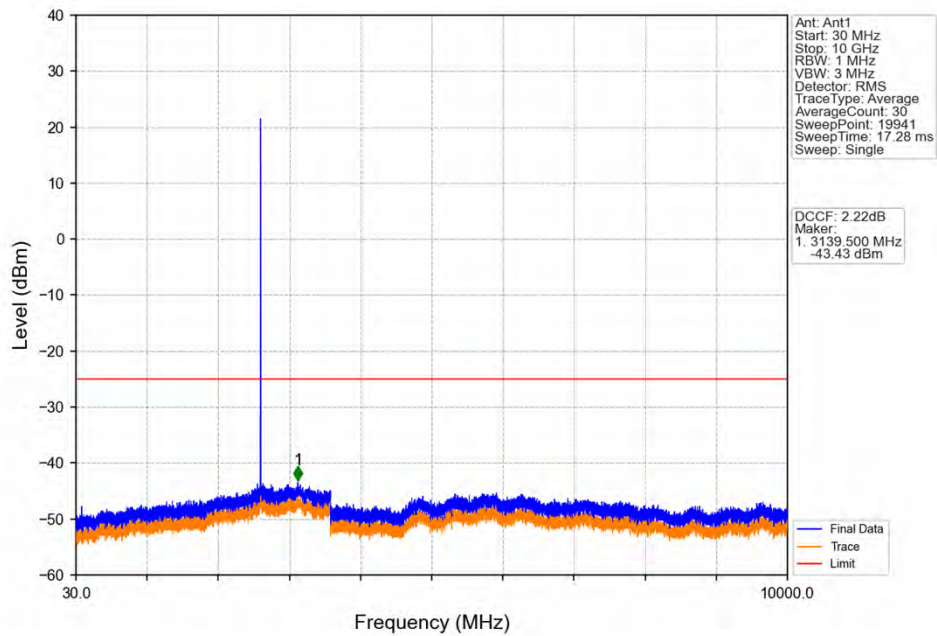




Band38\_5MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV

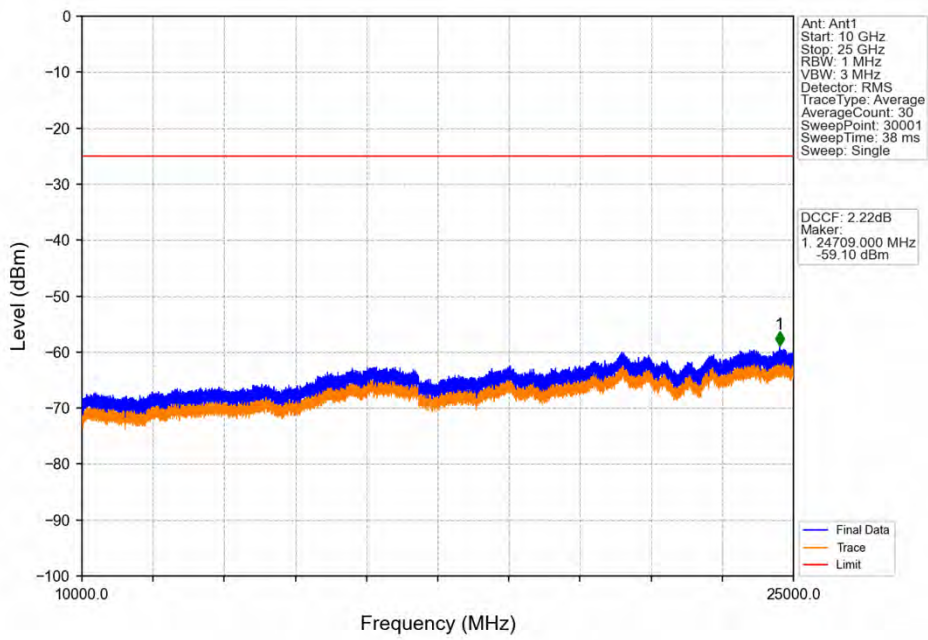


Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV

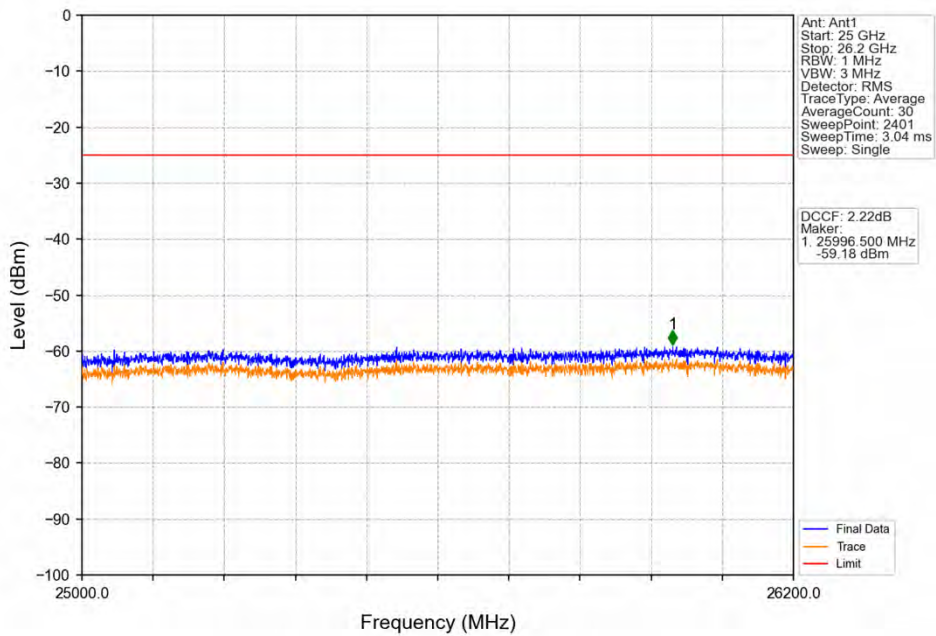




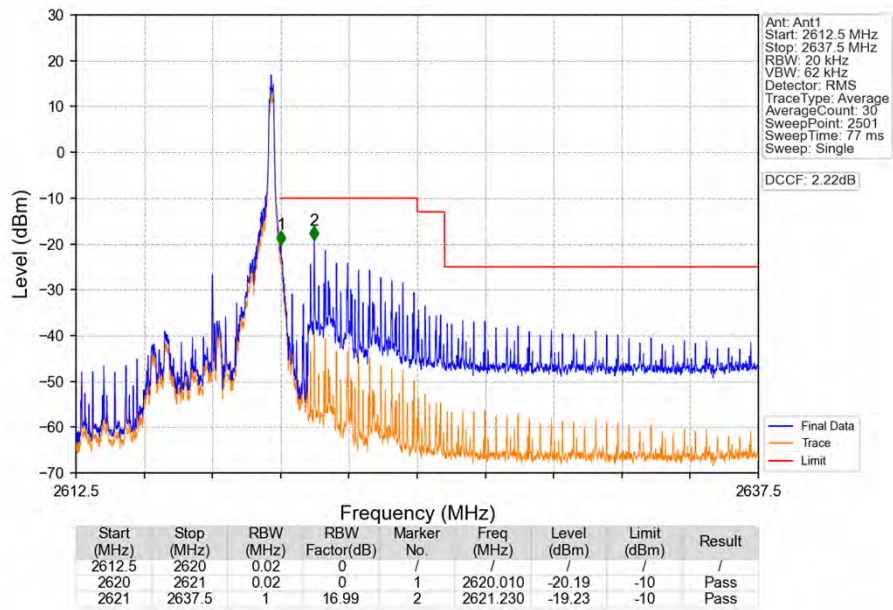
Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



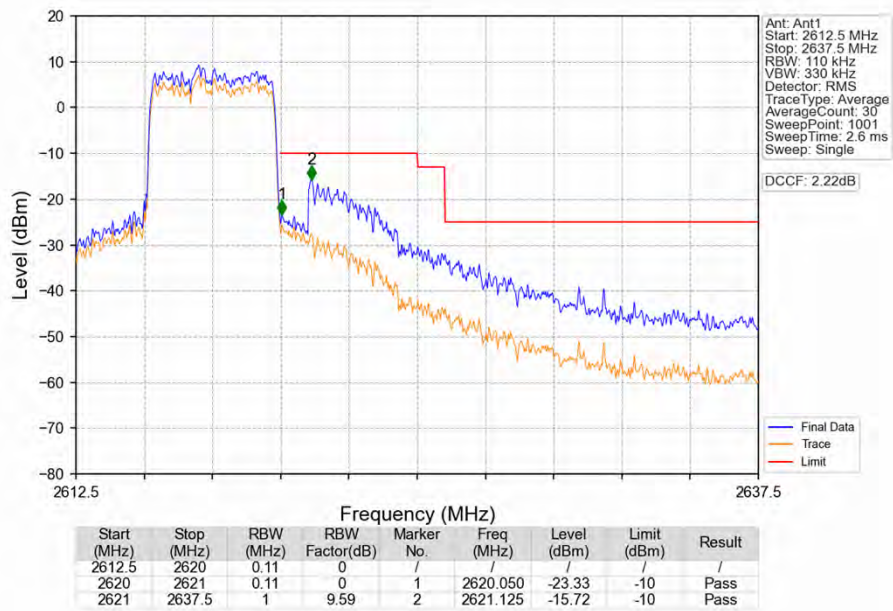
Band38\_5MHz\_16QAM\_HCH\_2617.5MHz\_RB\_1\_0\_NTNV



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



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

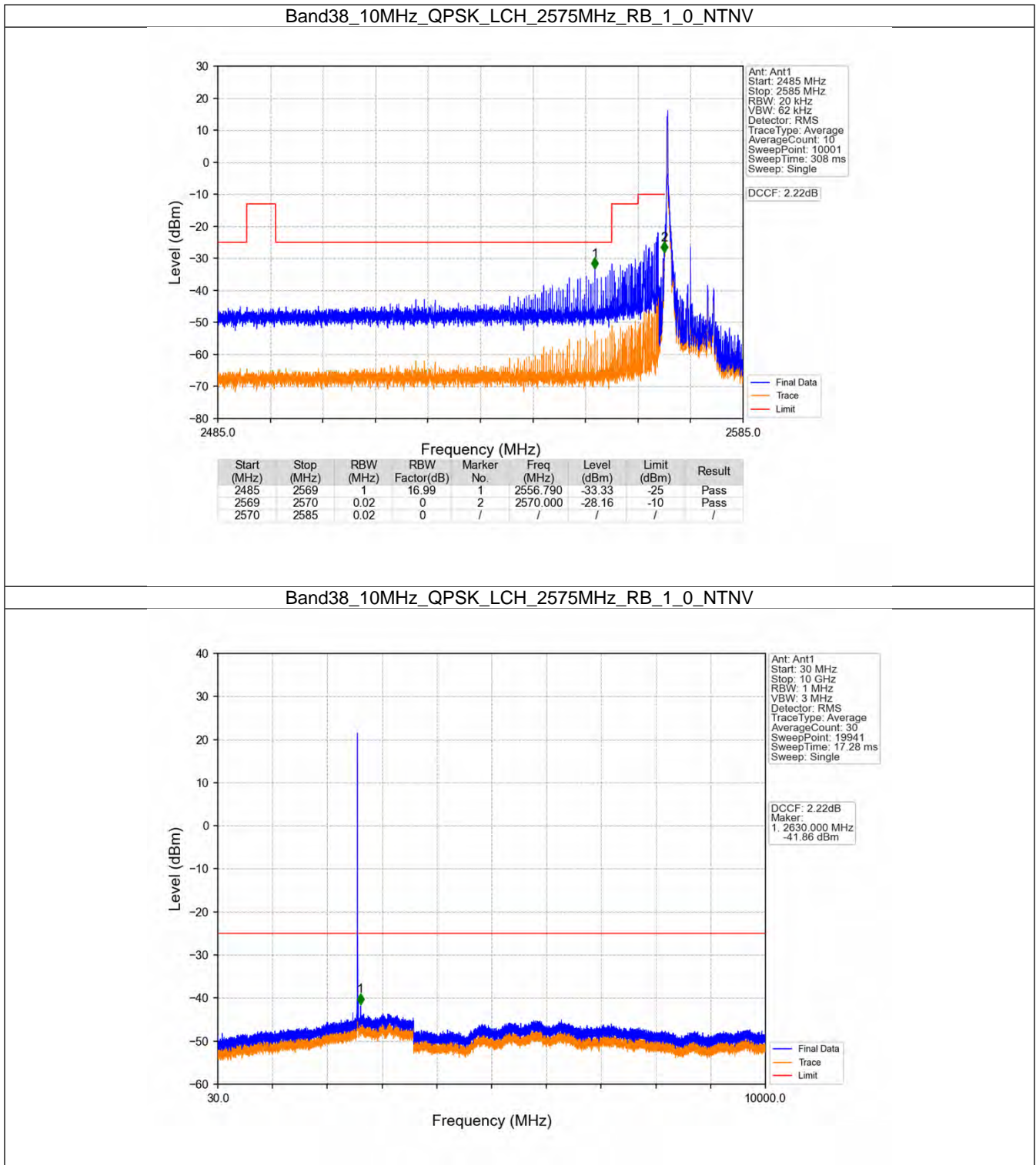


## 6.2 B38\_10MHz

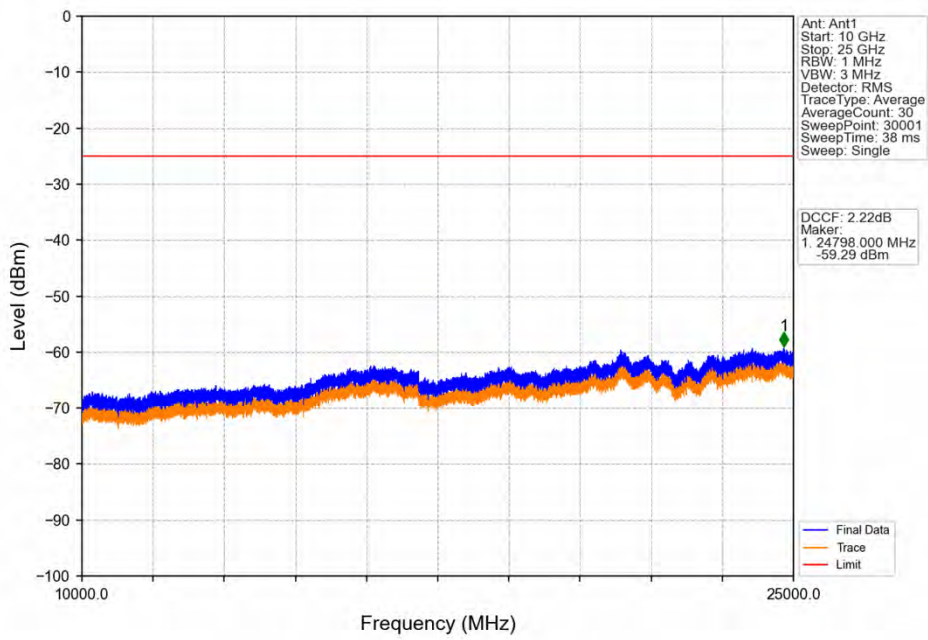
## 6.2.1 Test Result

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
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			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
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

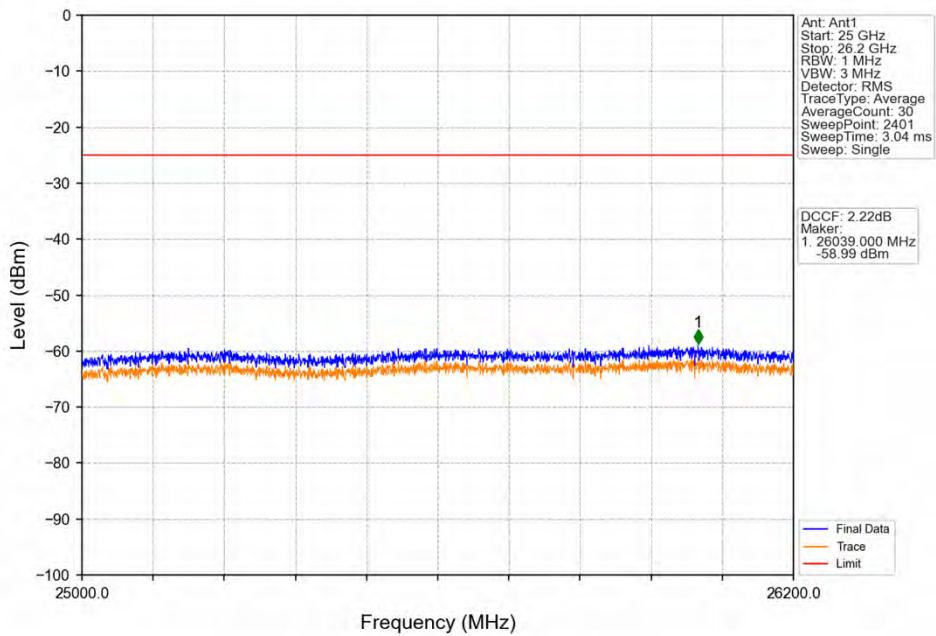
### 6.2.2 Test Graph



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

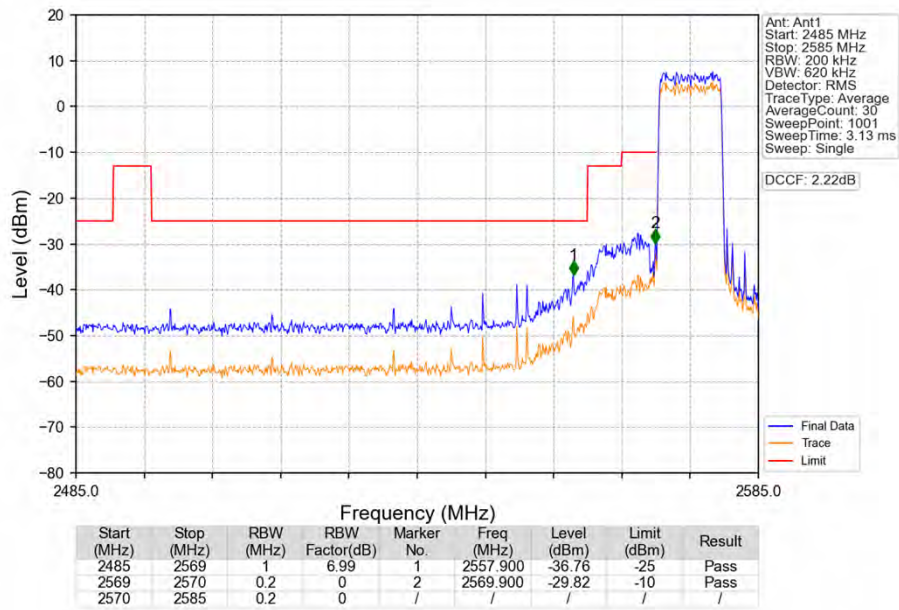


Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_1\_0\_NTNV

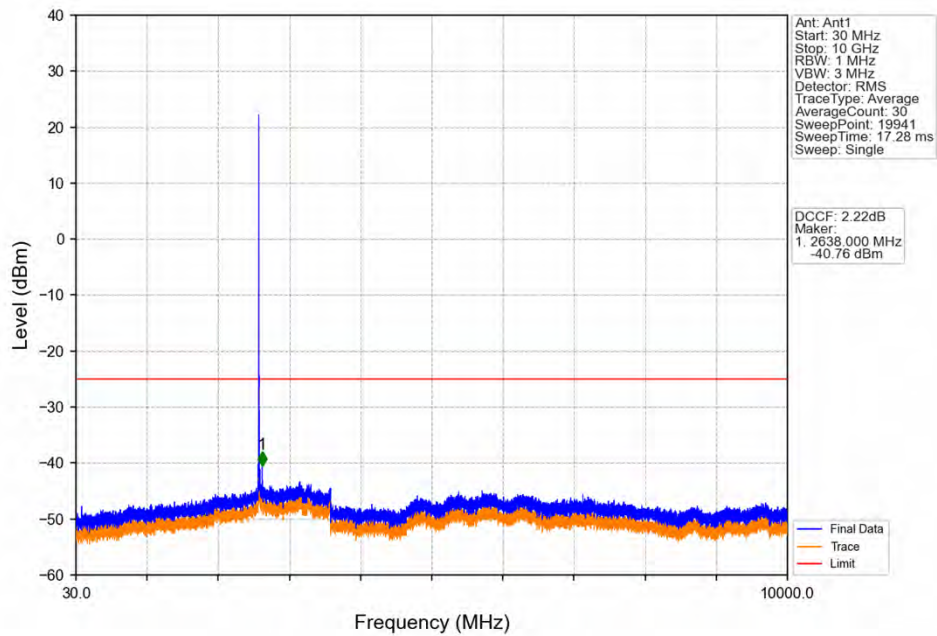




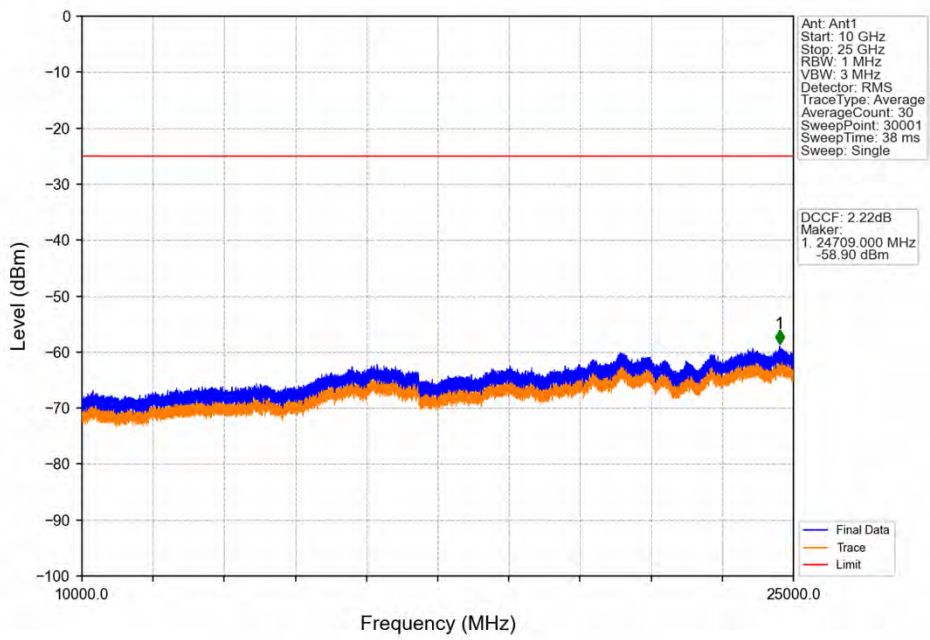
Band38\_10MHz\_QPSK\_LCH\_2575MHz\_RB\_50\_0\_NTNV



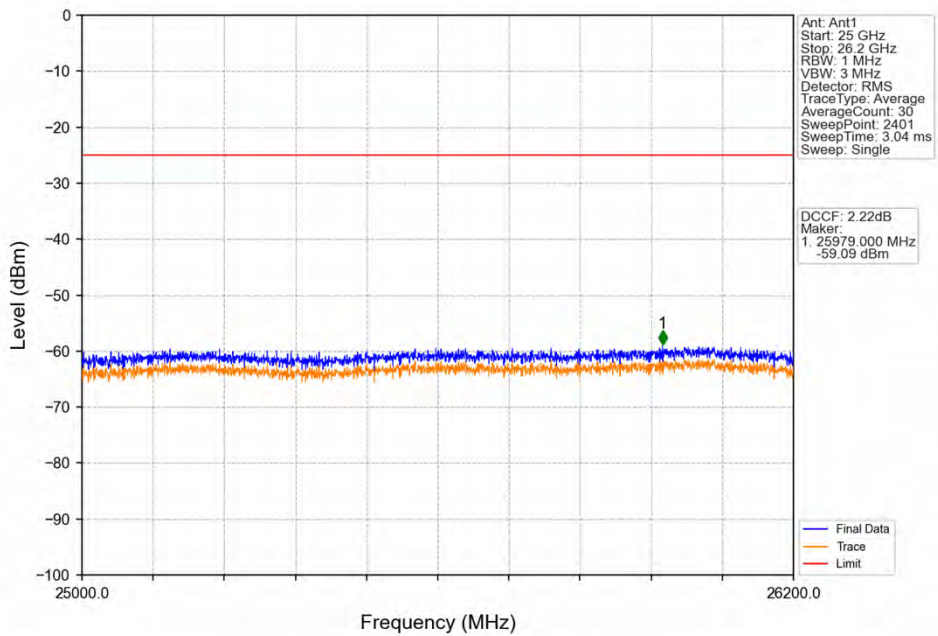
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



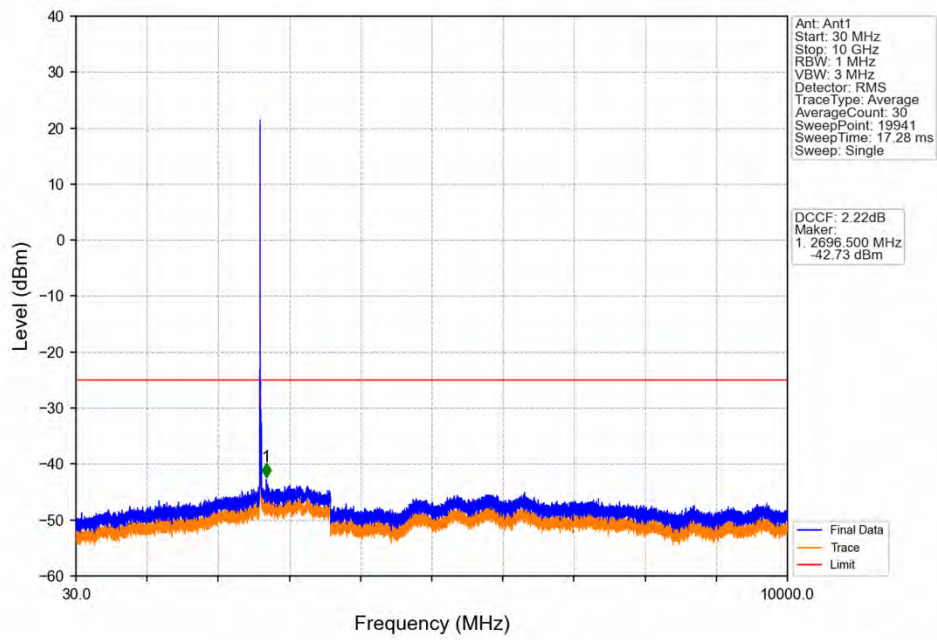
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



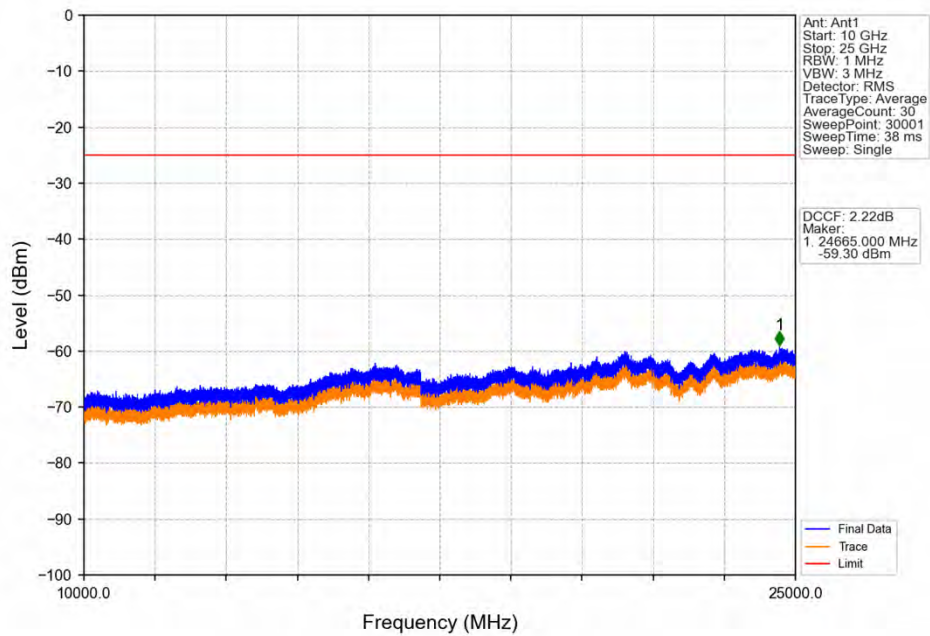
Band38\_10MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



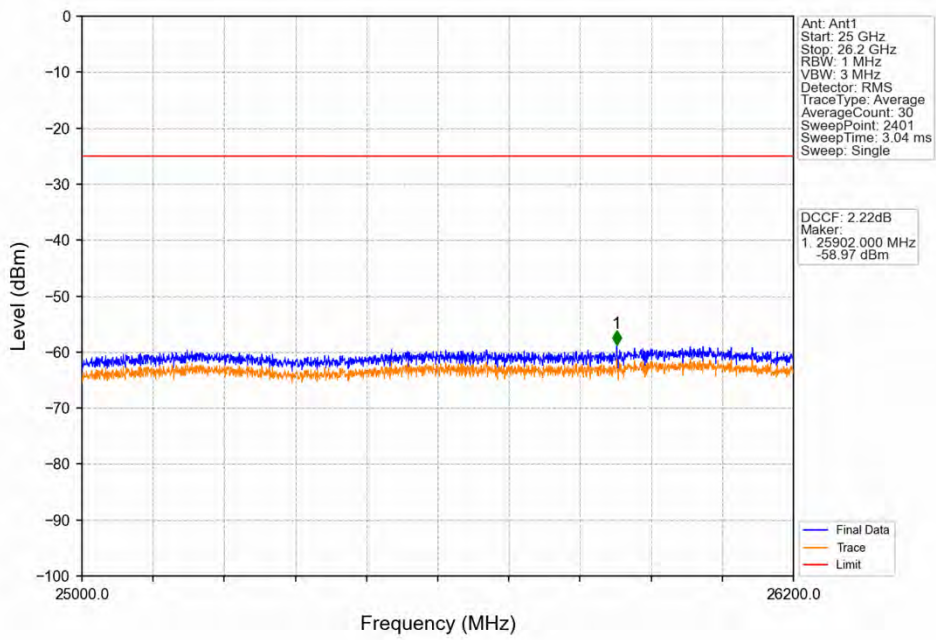
Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_0\_NTNV



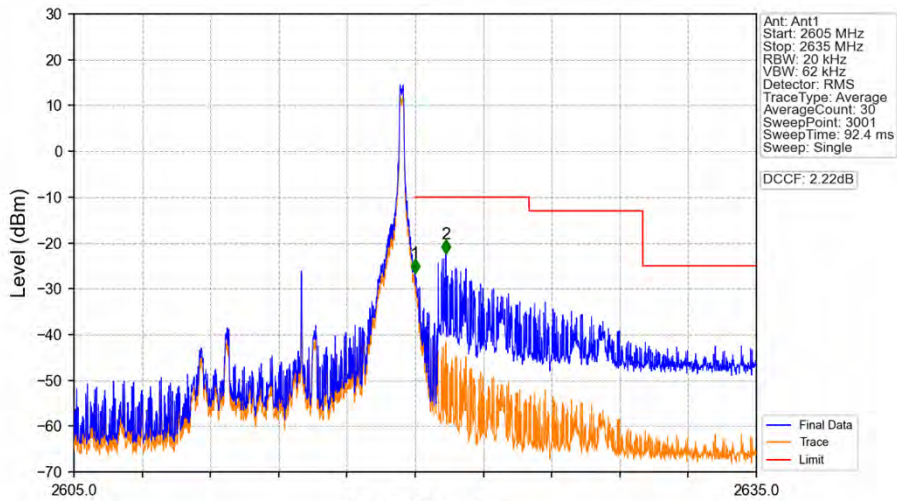
Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_0\_NTNV



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



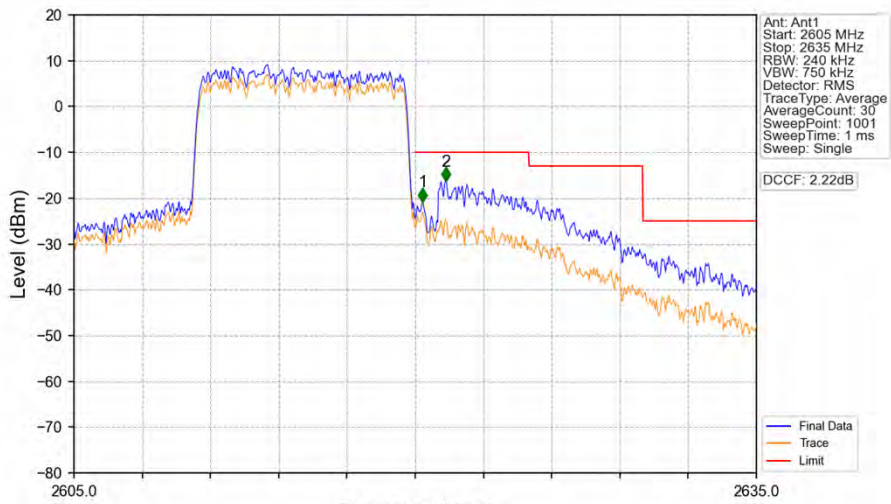
Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	0	1	2620.000	-26.63	-10	Pass
2620	2621	0.02	0	1	2620.000	-26.63	-10	Pass
2621	2635	1	16.99	2	2621.350	-22.38	-10	Pass

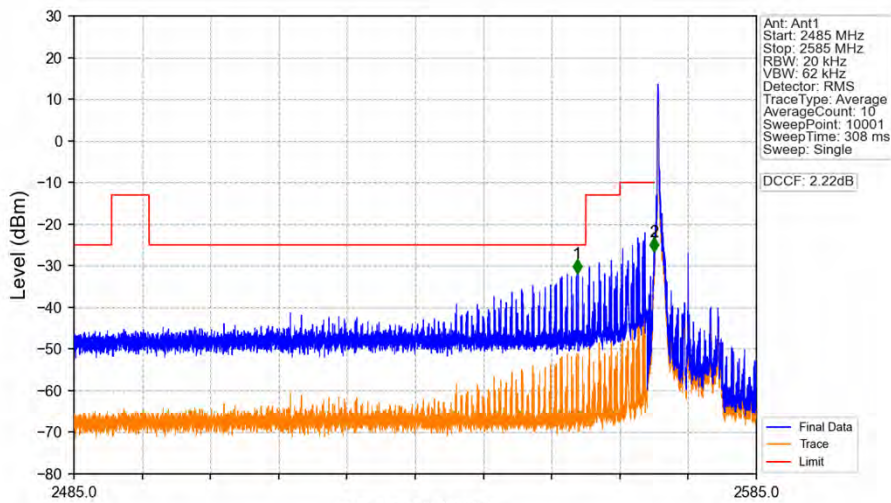


Band38\_10MHz\_QPSK\_HCH\_2615MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.24	0	/	/	/	/	/
2620	2621	0.24	0	1	2620.330	-20.85	-10	Pass
2621	2635	1	6.2	2	2621.350	-16.29	-10	Pass

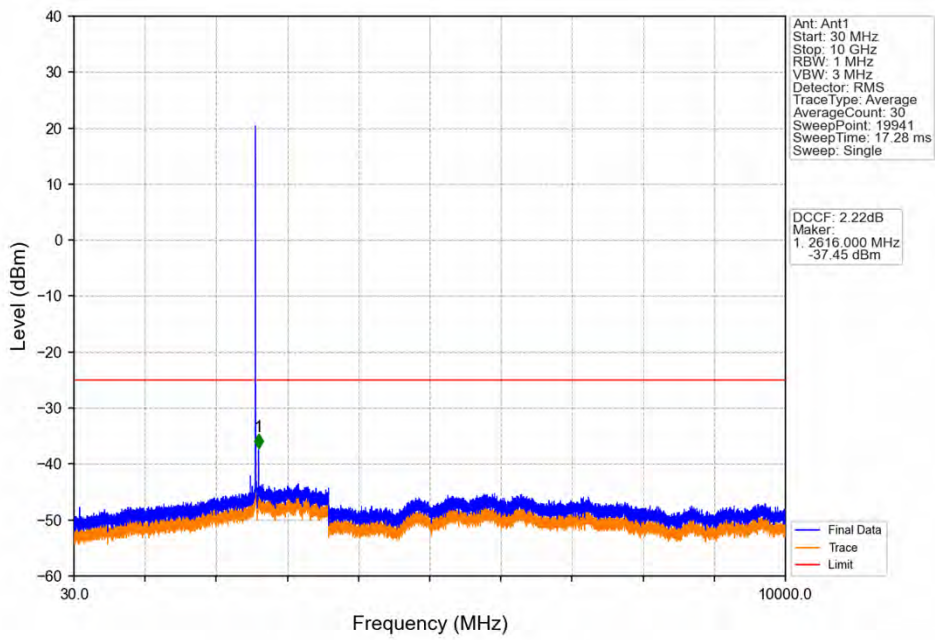
Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV



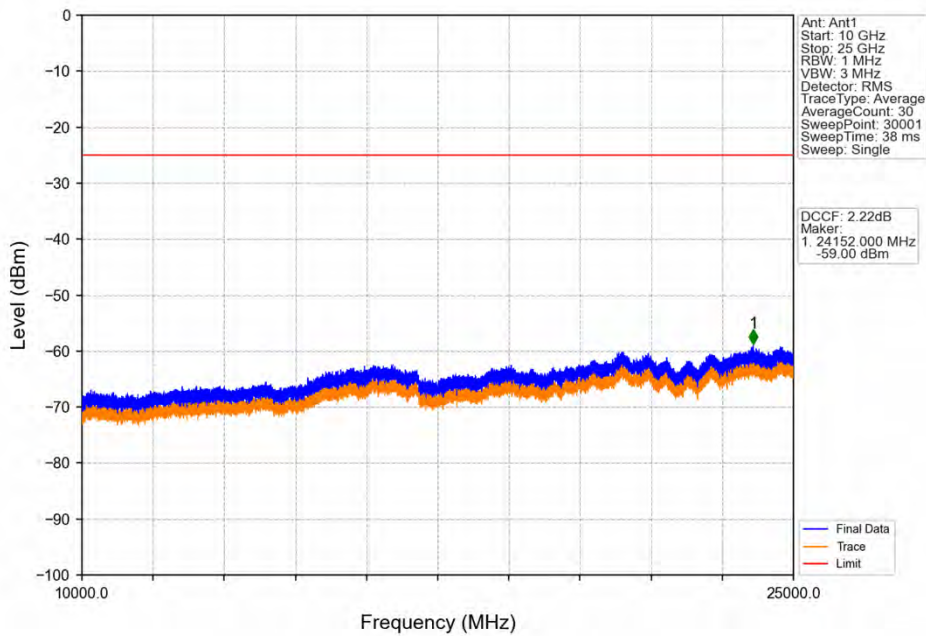
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	16.99	1	2558.720	-31.83	-25	Pass
2569	2570	0.02	0	2	2570.000	-26.69	-10	Pass
2570	2585	0.02	0	/	/	/	/	/



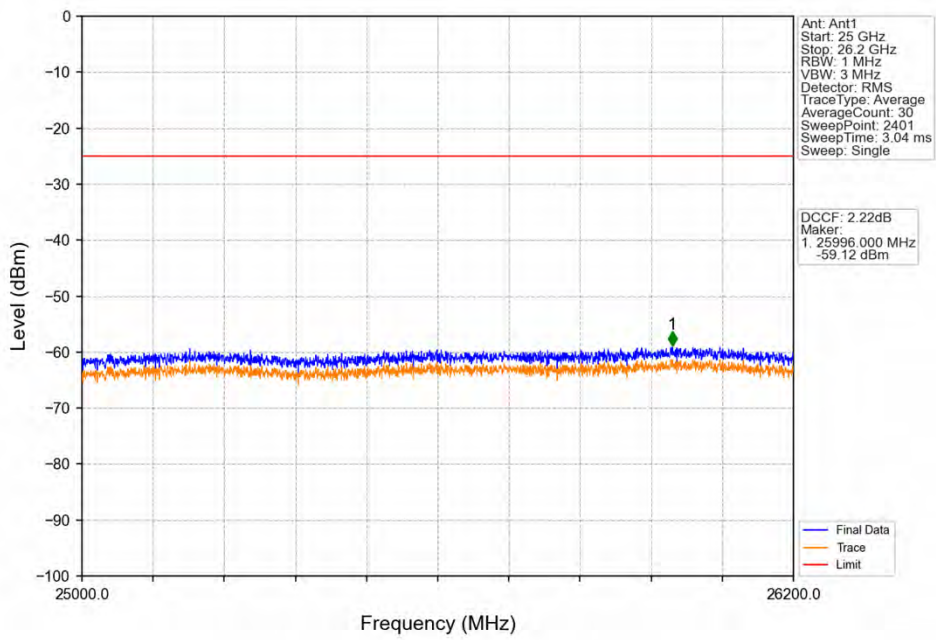
Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV



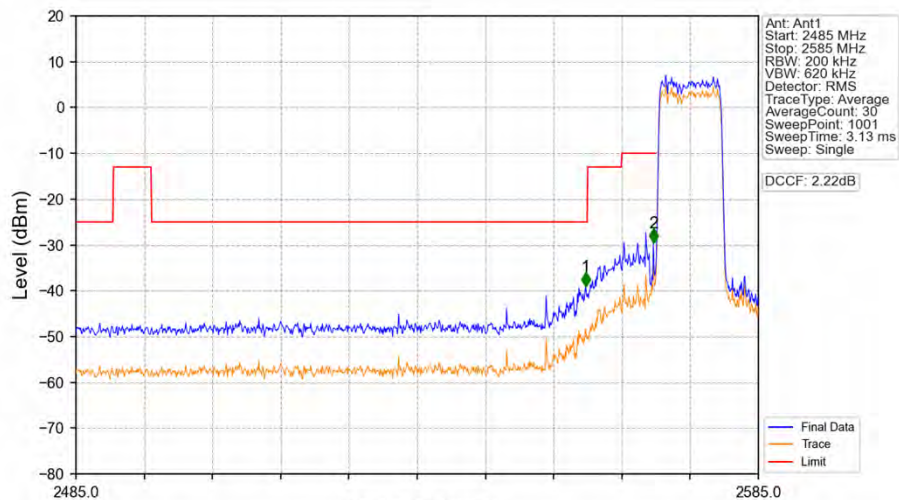
Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV



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

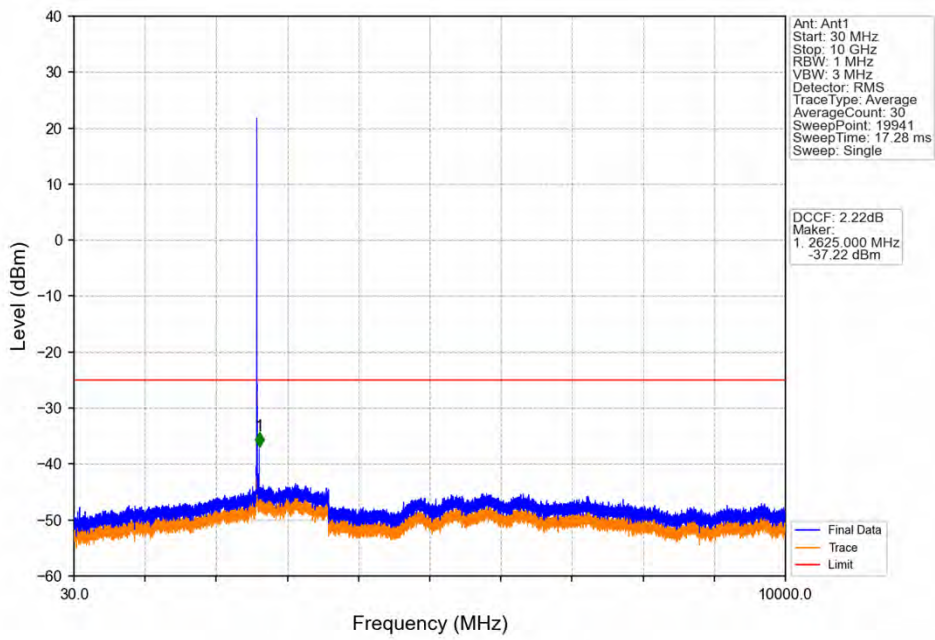


Band38\_10MHz\_16QAM\_LCH\_2575MHz\_RB\_50\_0\_NTNV

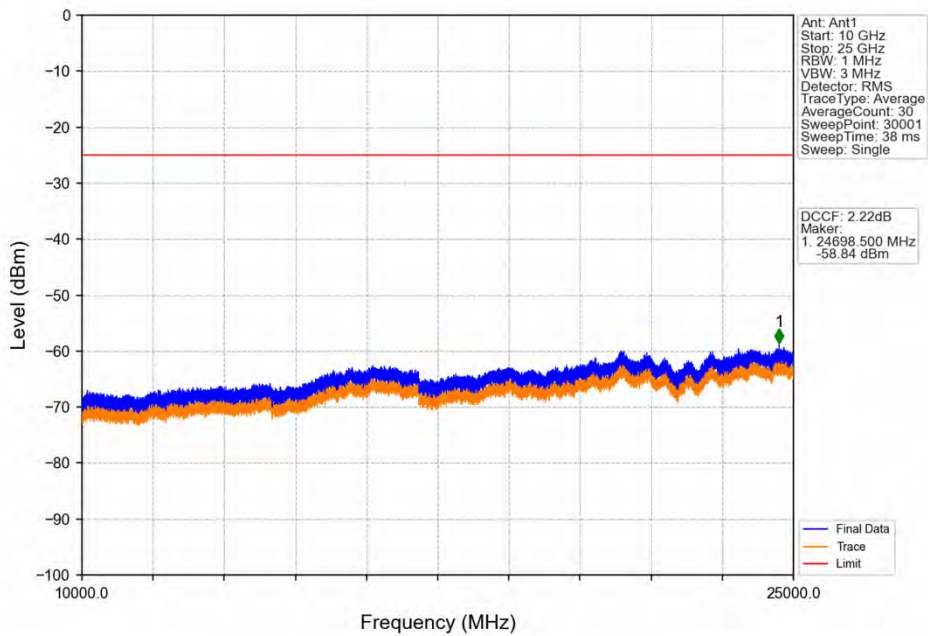


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	6.99	1	2559.700	-39.11	-25	Pass
2569	2570	0.2	0	2	2569.600	-29.62	-10	Pass
2570	2585	0.2	0	/	/	/	/	/

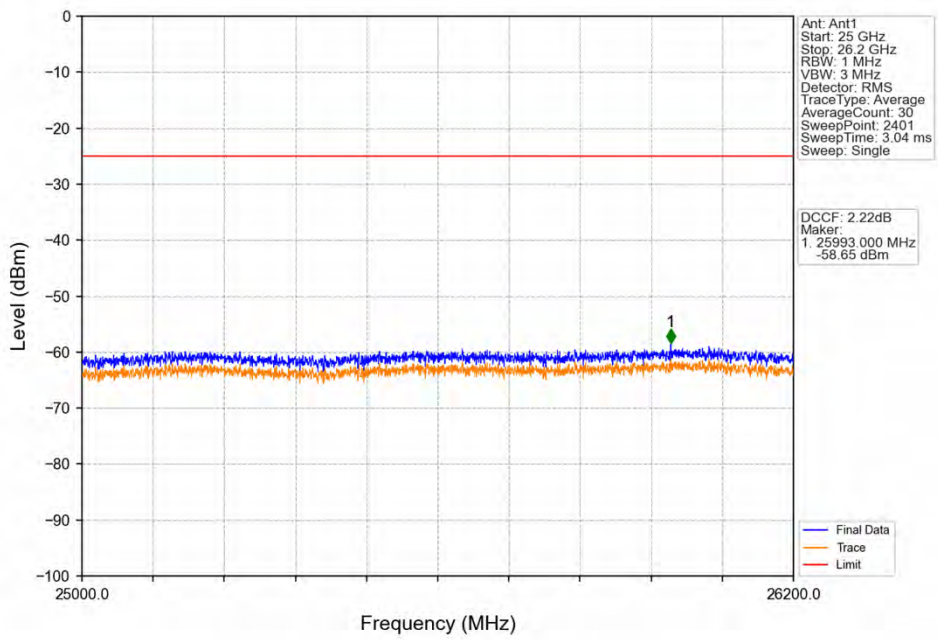
Band38\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



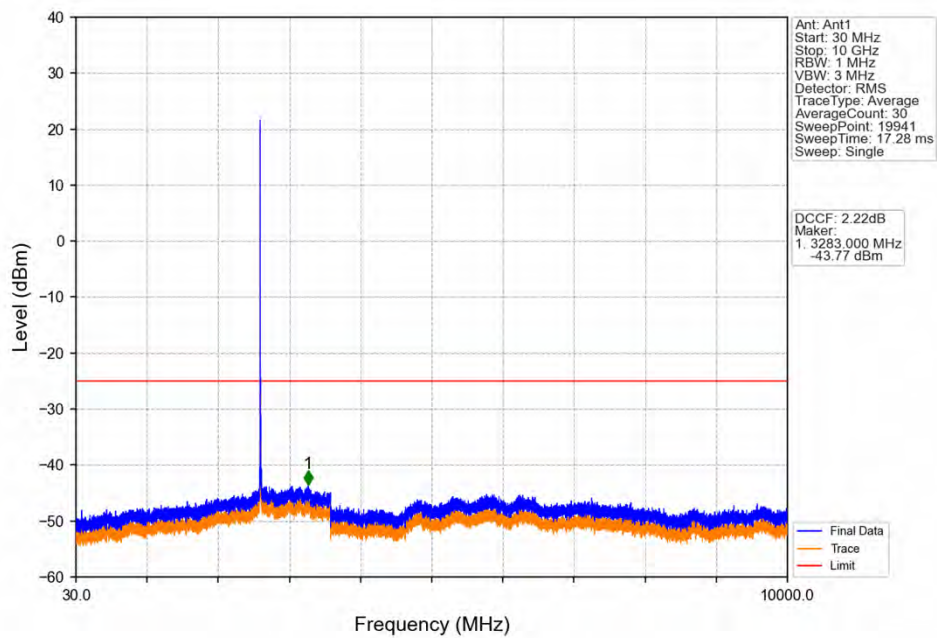
Band38\_10MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



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

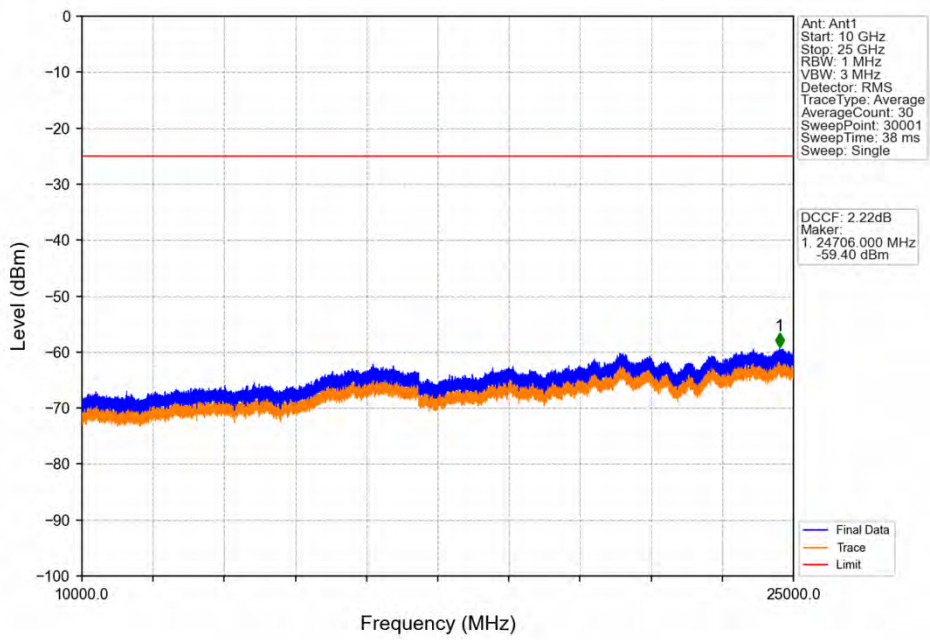


Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_0\_NTNV

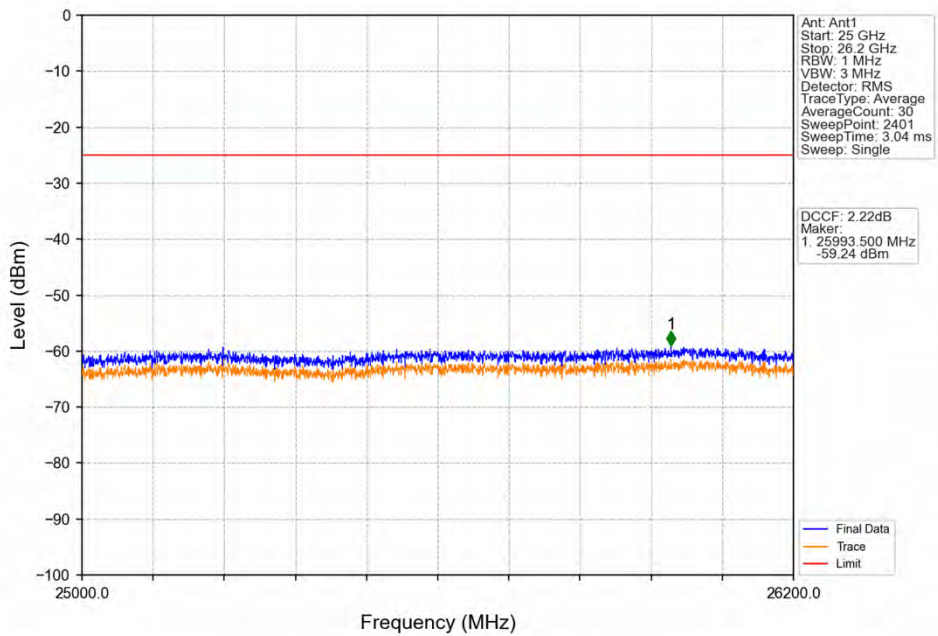




Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_0\_NTNV

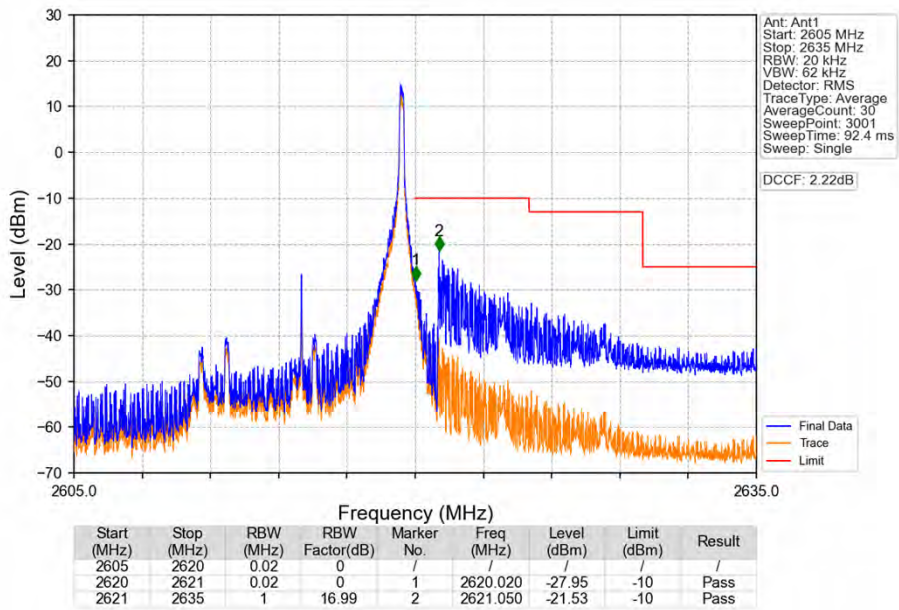


Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_0\_NTNV

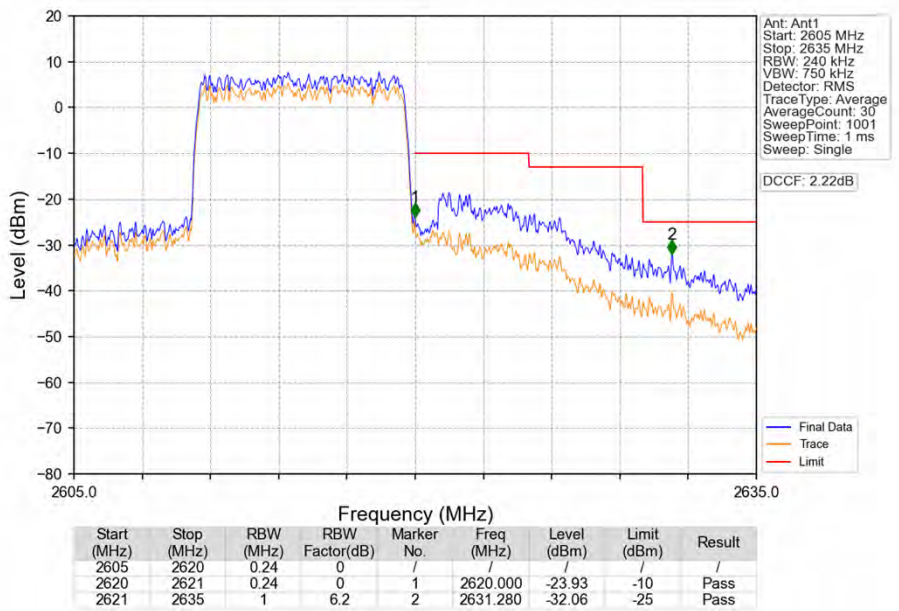




Band38\_10MHz\_16QAM\_HCH\_2615MHz\_RB\_1\_49\_NTNV



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

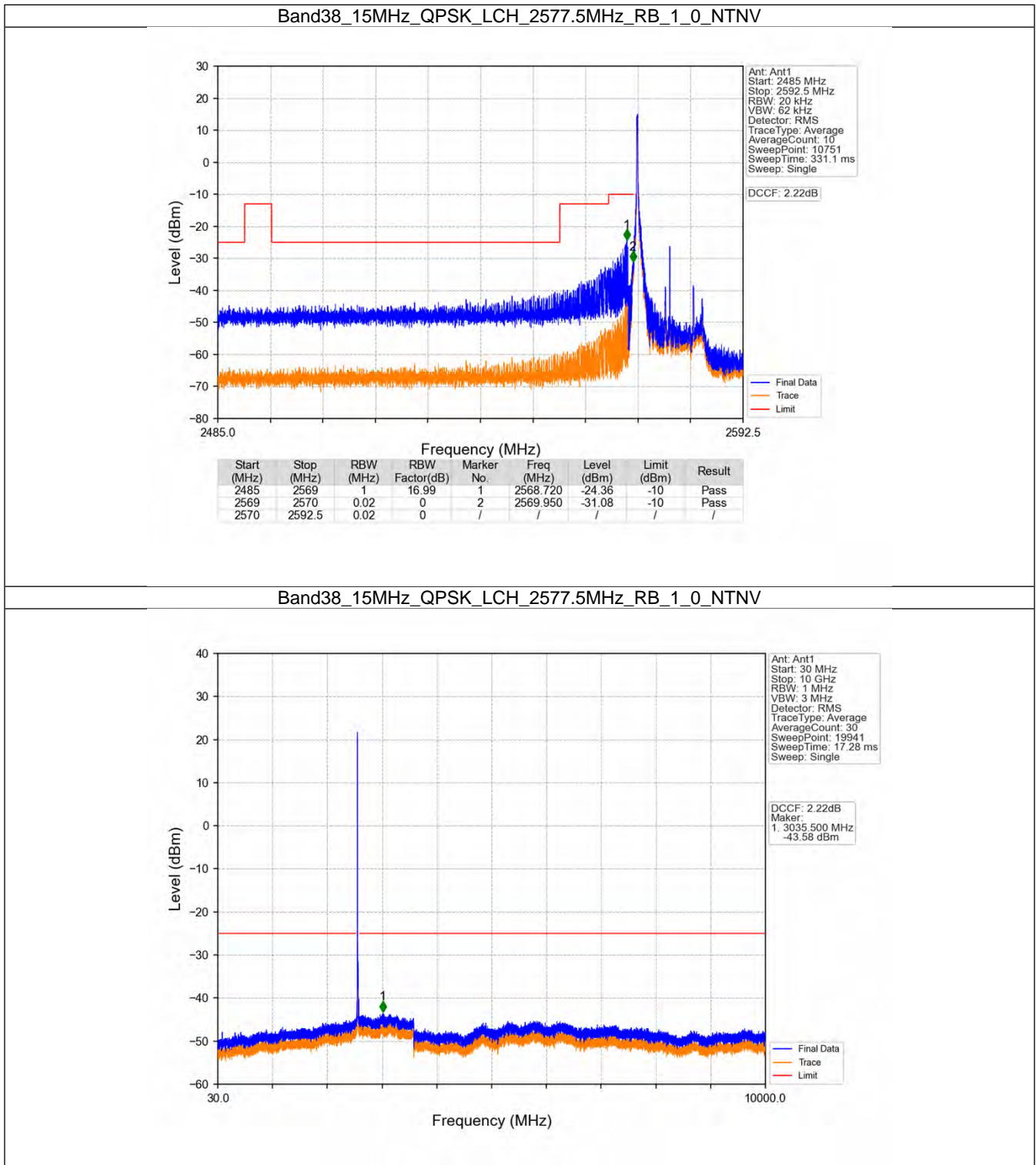


## 6.3 B38\_15MHz

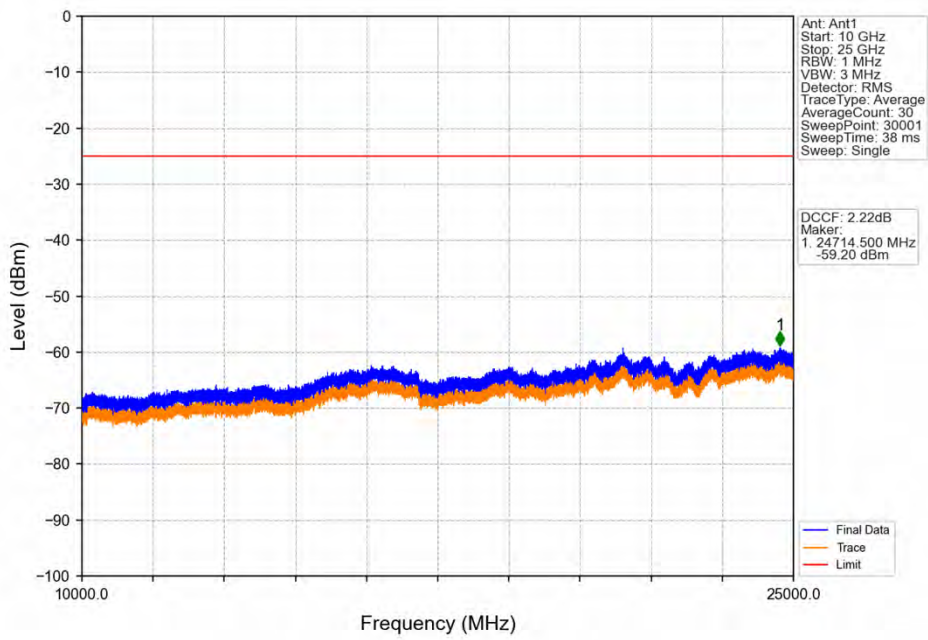
## 6.3.1 Test Result

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

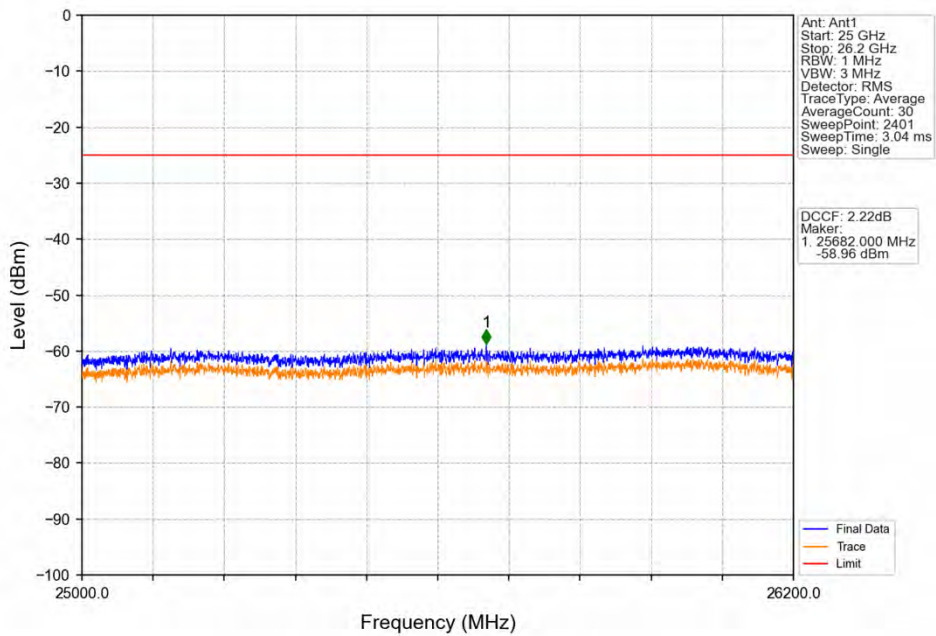
### 6.3.2 Test Graph



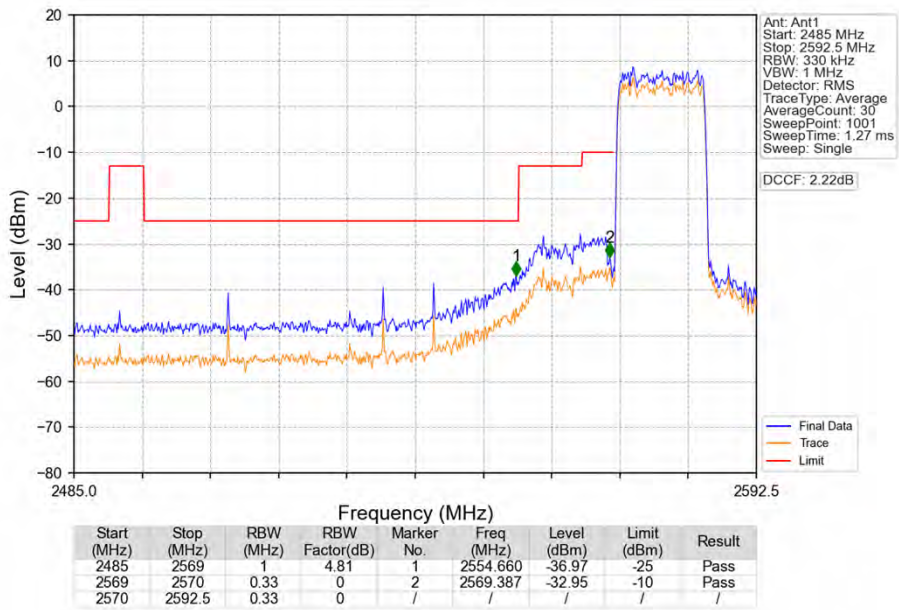
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



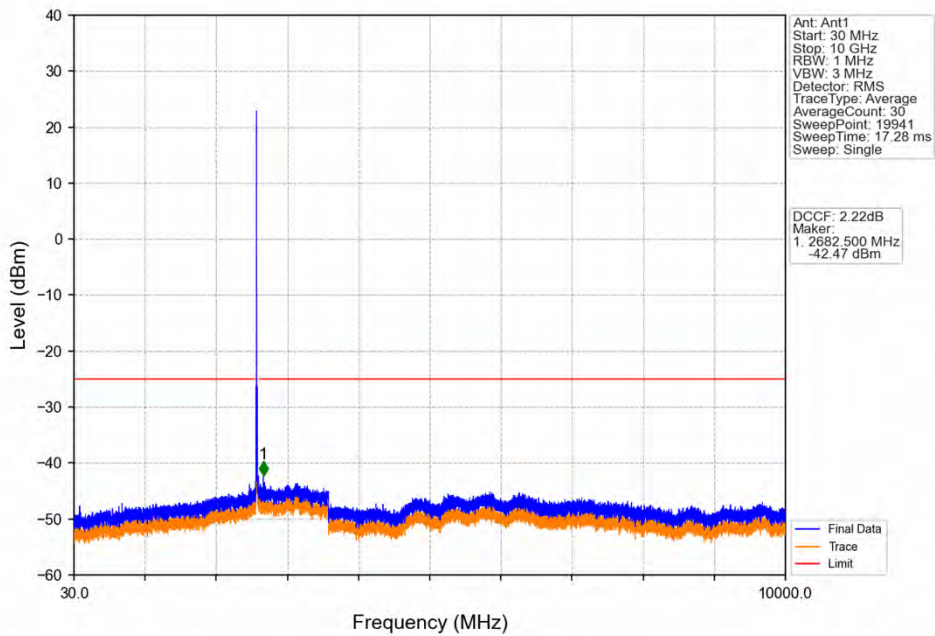
Band38\_15MHz\_QPSK\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



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

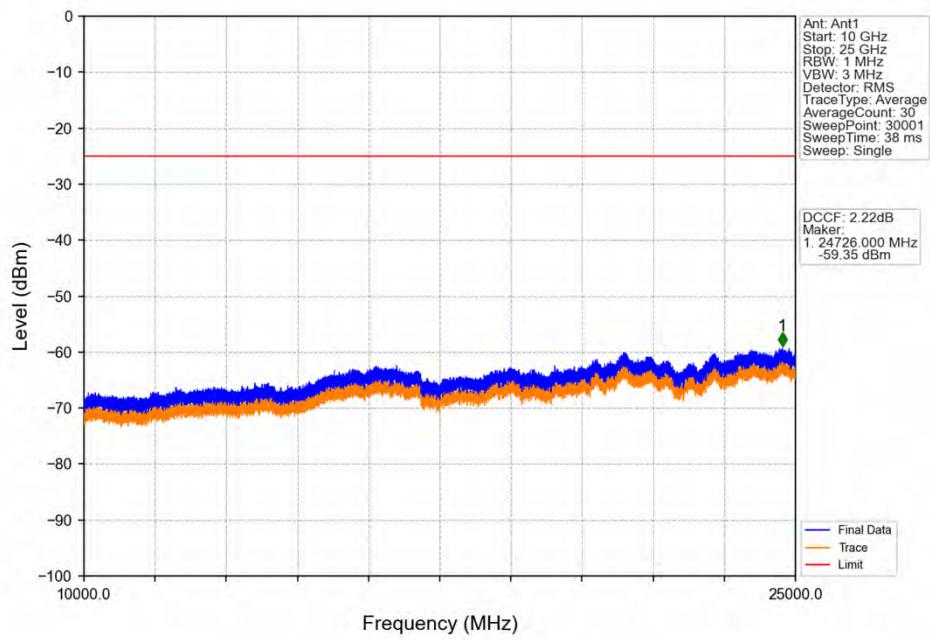


Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV

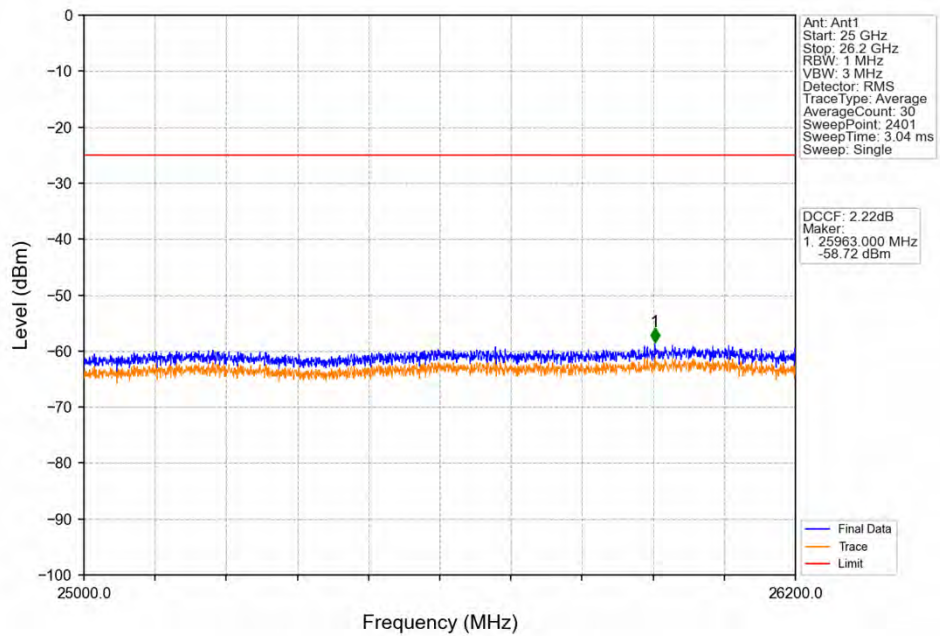




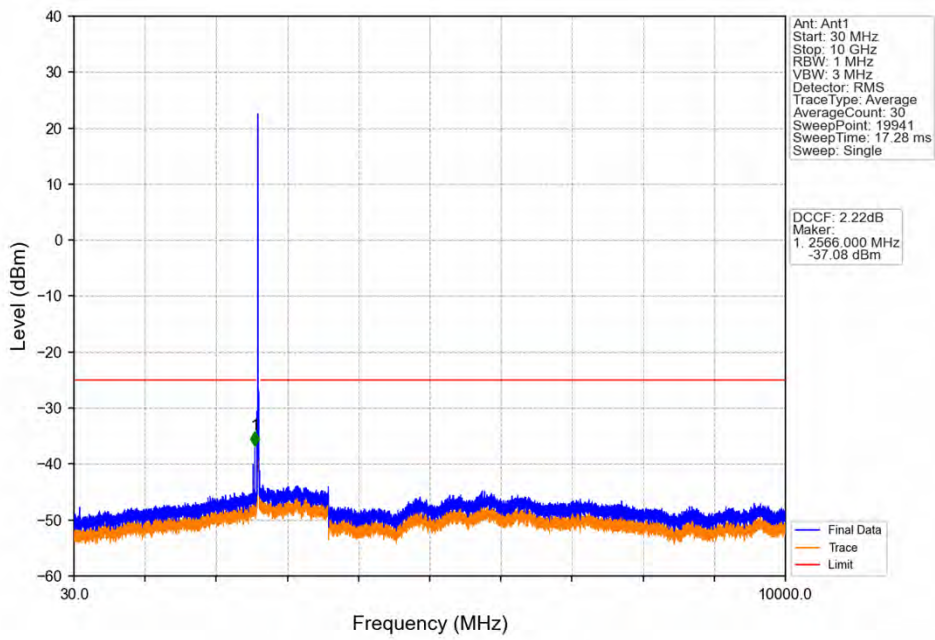
Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



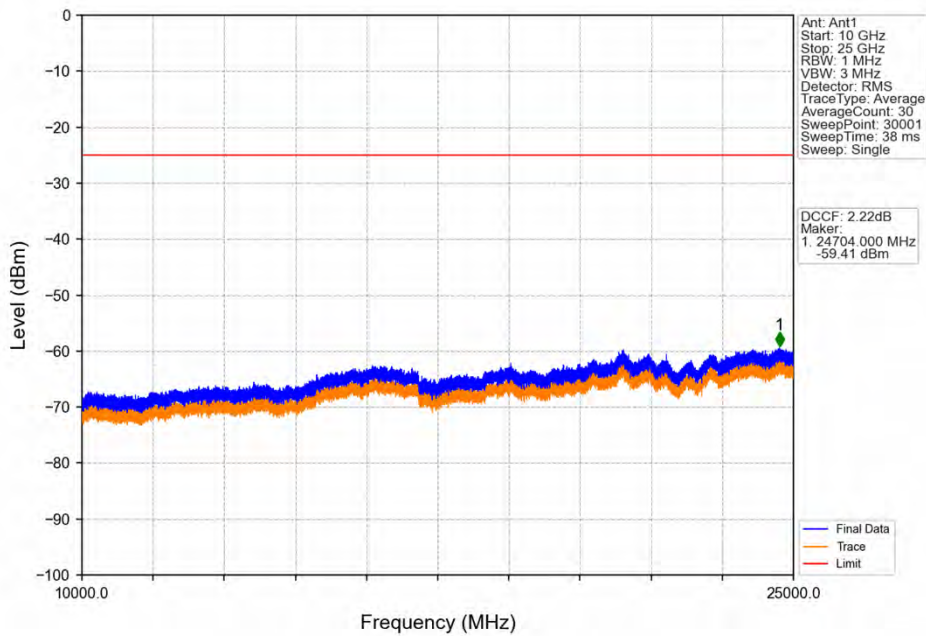
Band38\_15MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



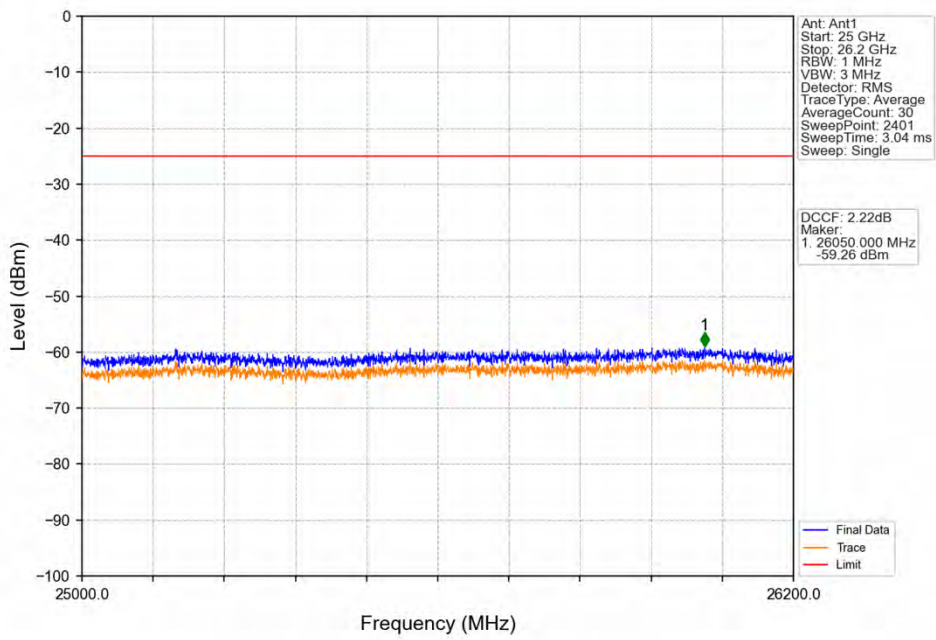
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



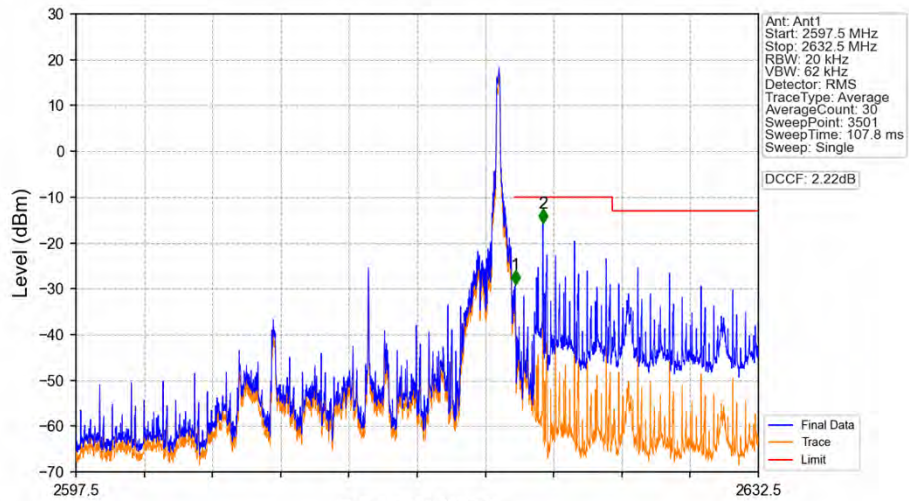
Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



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

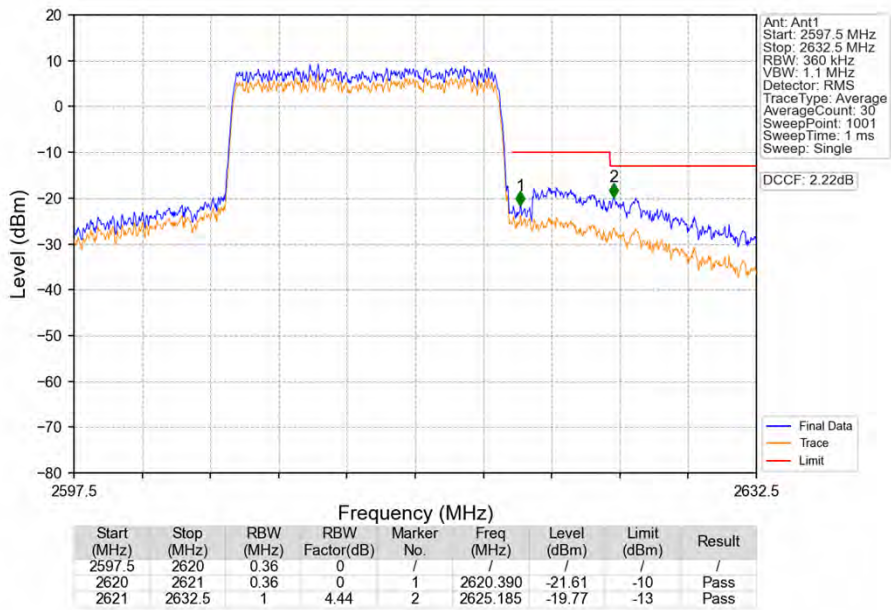


Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV

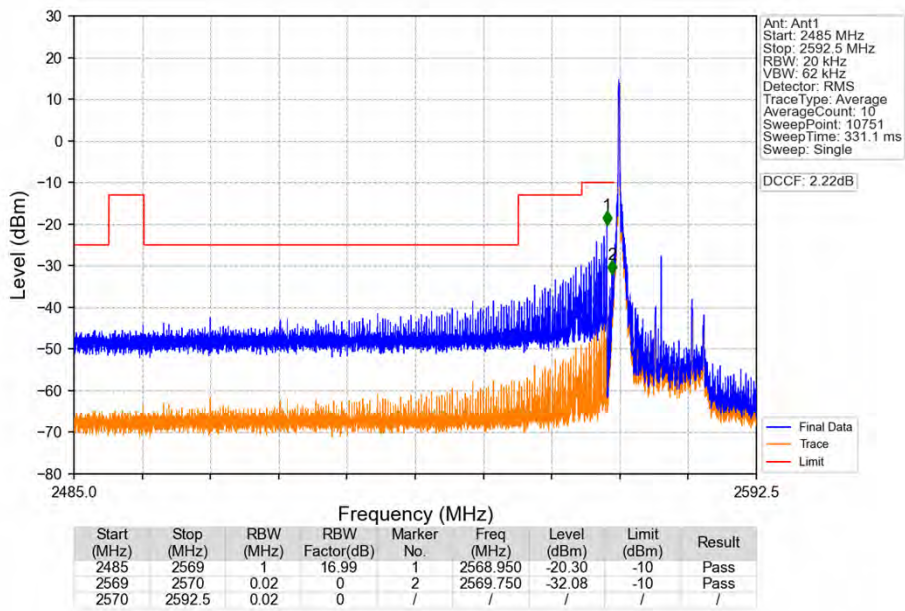


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.02	0	1	2620.030	-29.12	-10	Pass
2620	2621	0.02	0	2	2621.450	-15.69	-10	Pass
2621	2632.5	1	16.99					

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

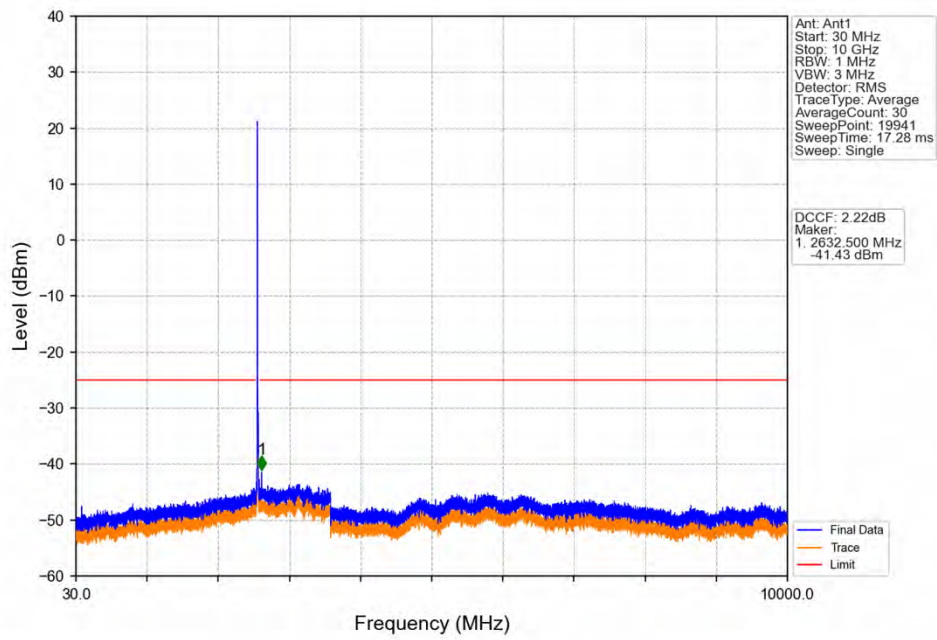


Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

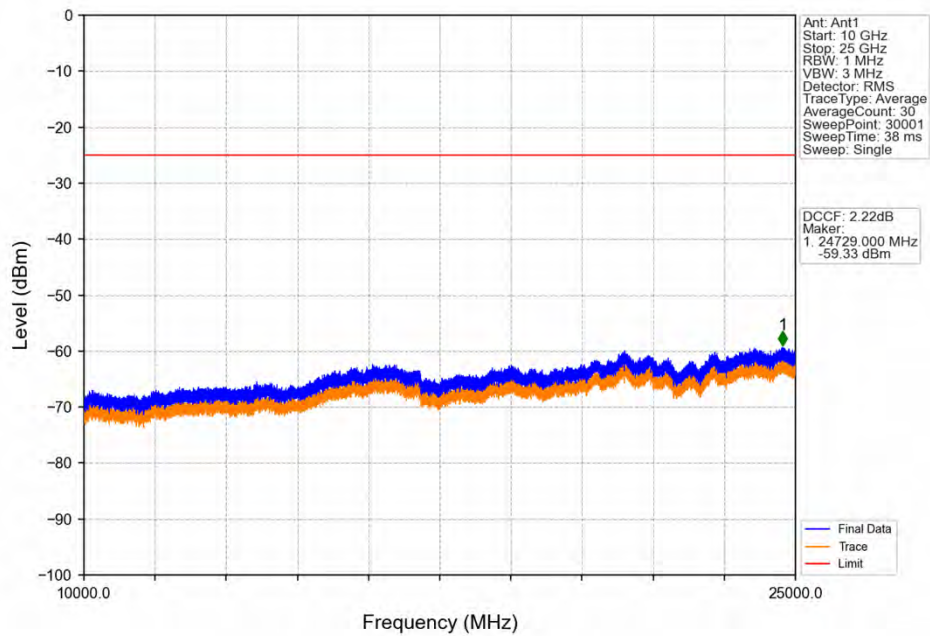




Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

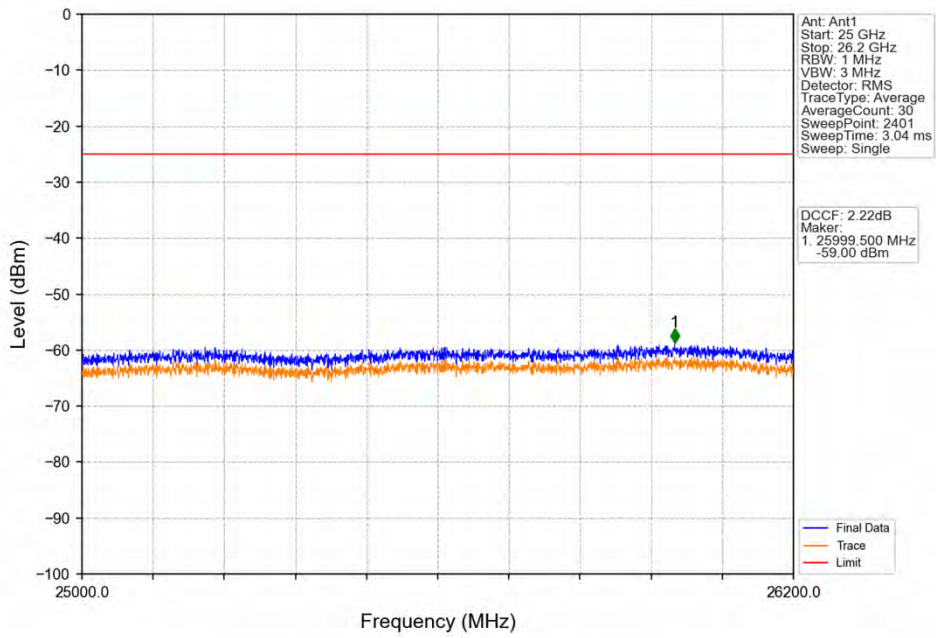


Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

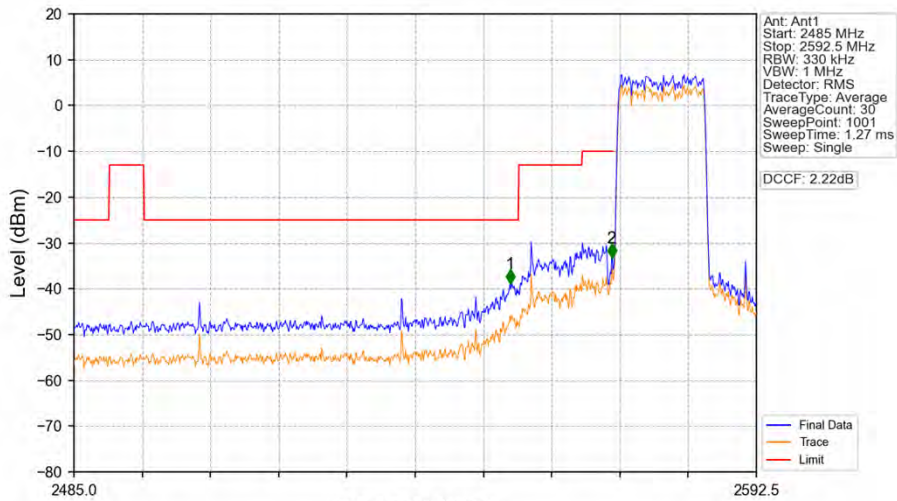




Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

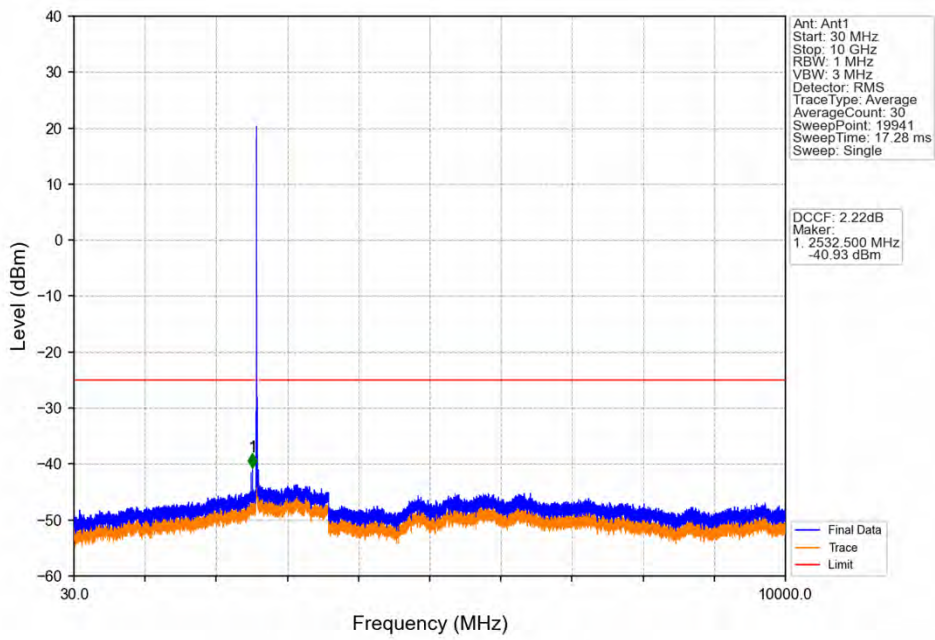


Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV

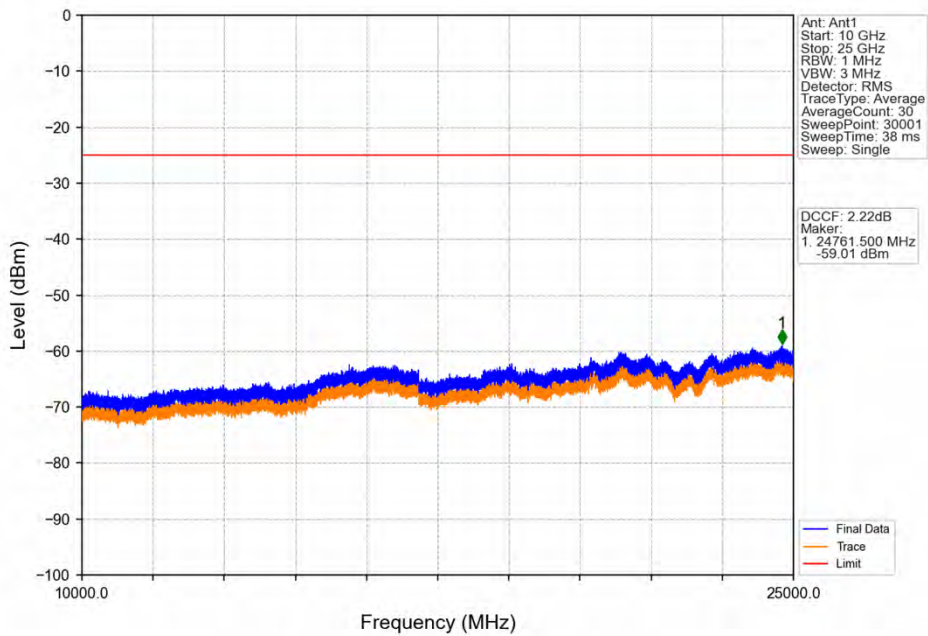


Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	4.81	1	2553.693	-38.86	-25	Pass
2569	2570	0.33	0	2	2569.710	-33.26	-10	Pass
2570	2592.5	0.33	0	/	/	/	/	/

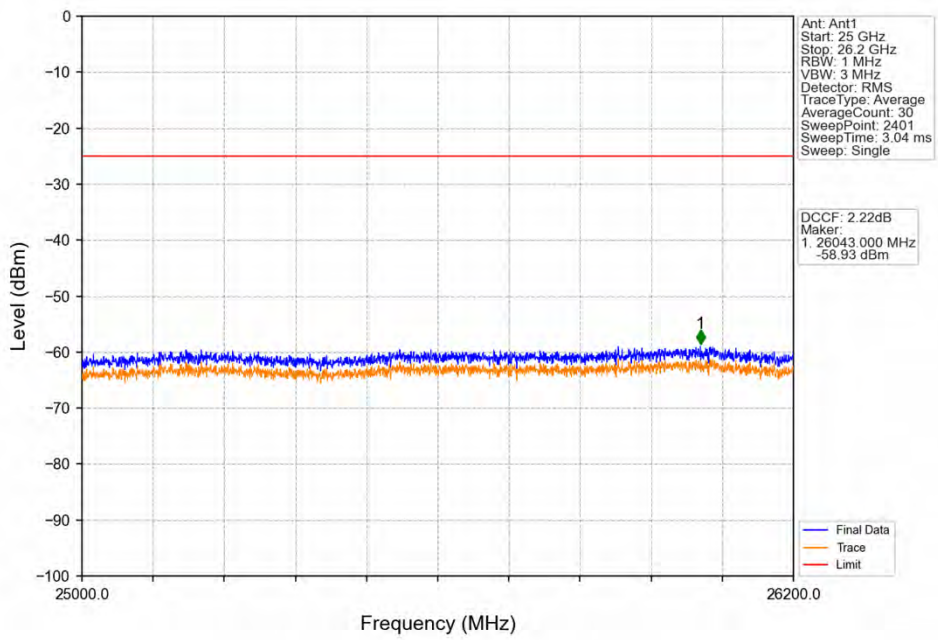
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



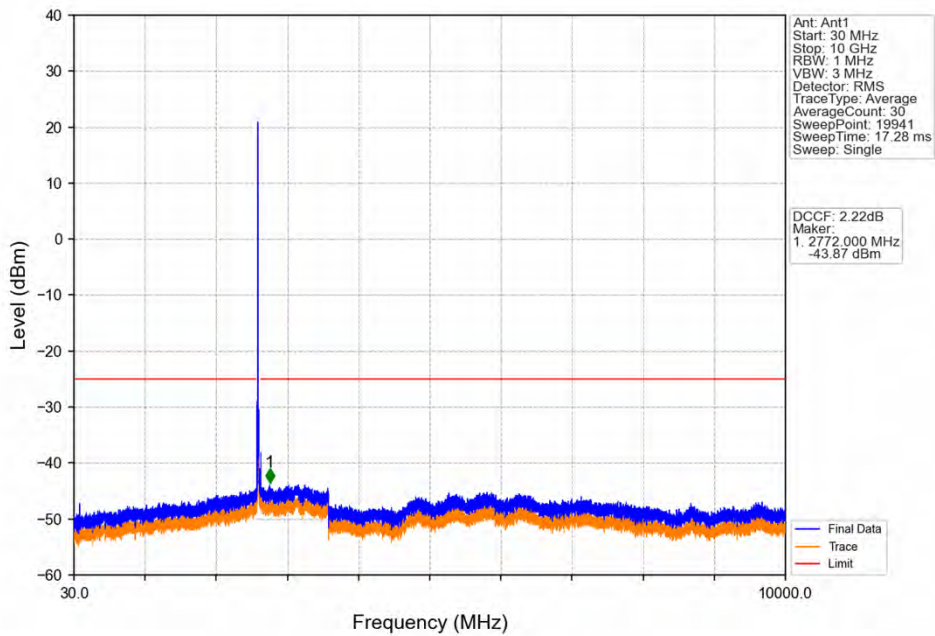
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



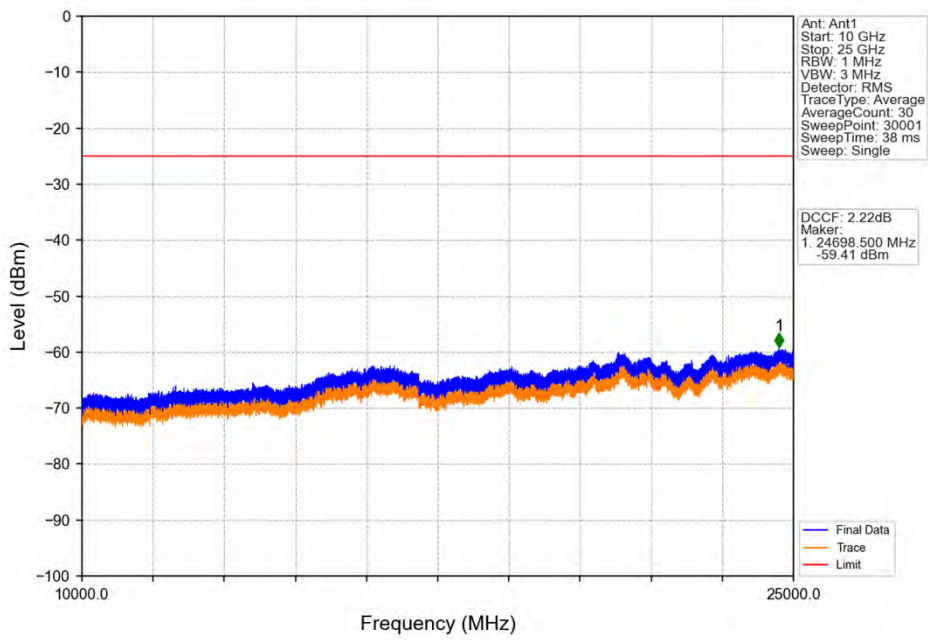
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



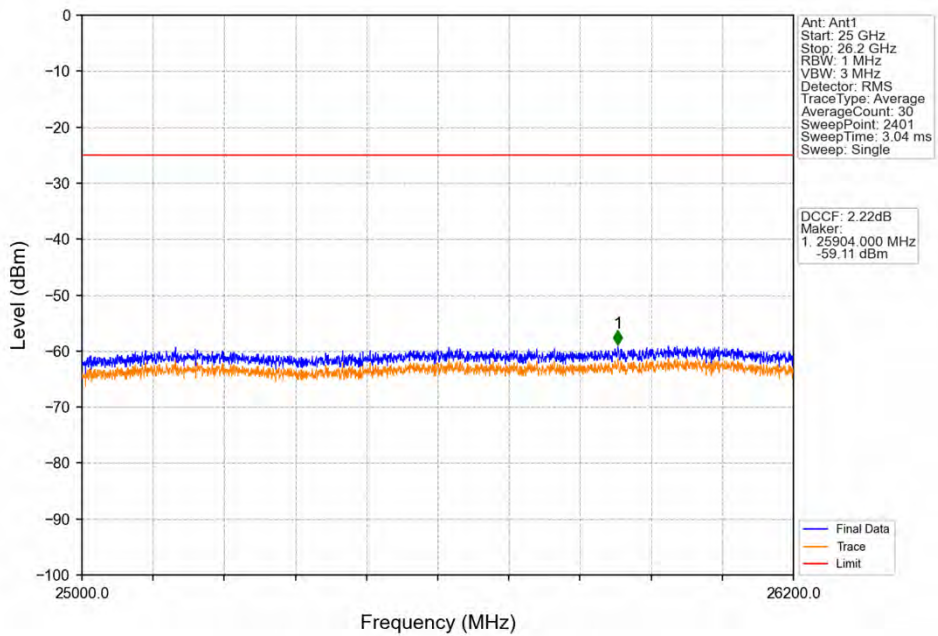
Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



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

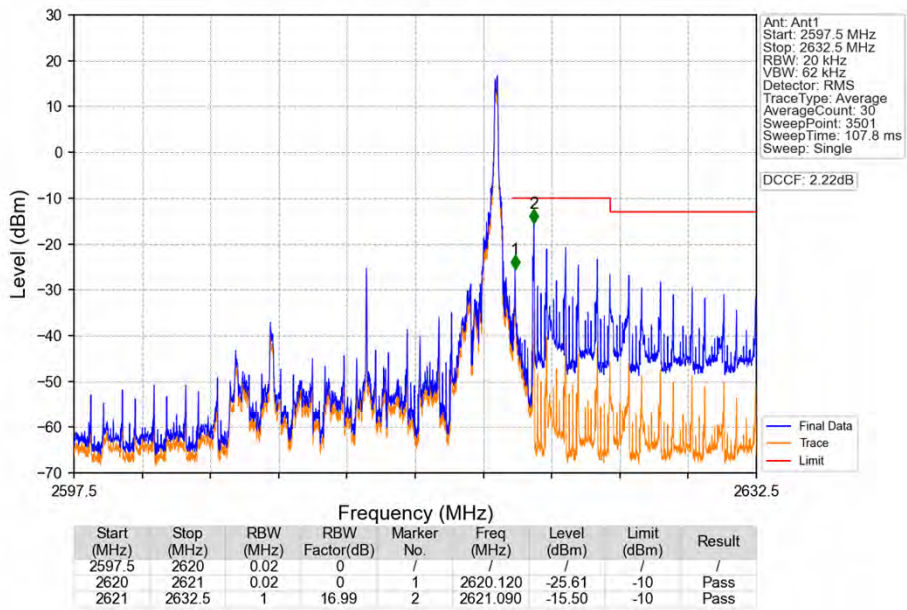


Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV

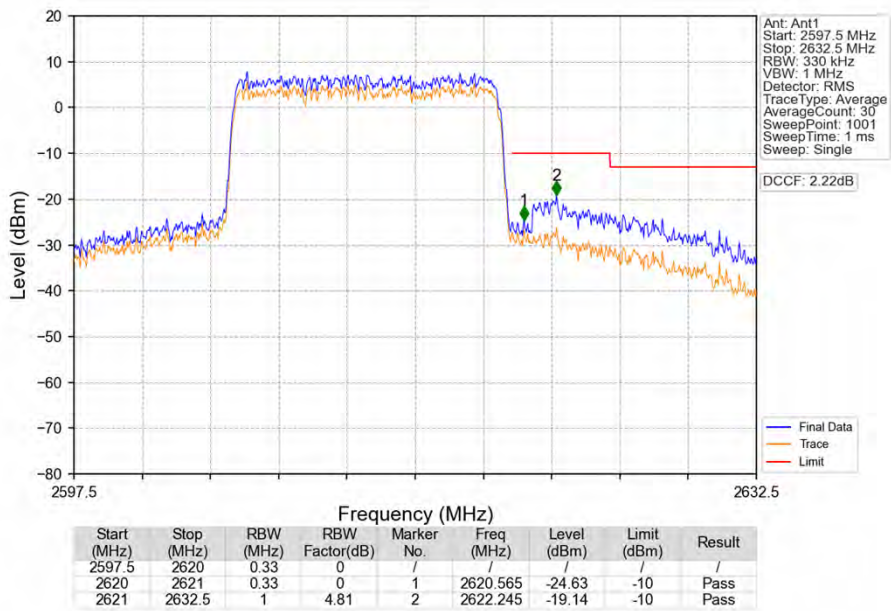




Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV



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



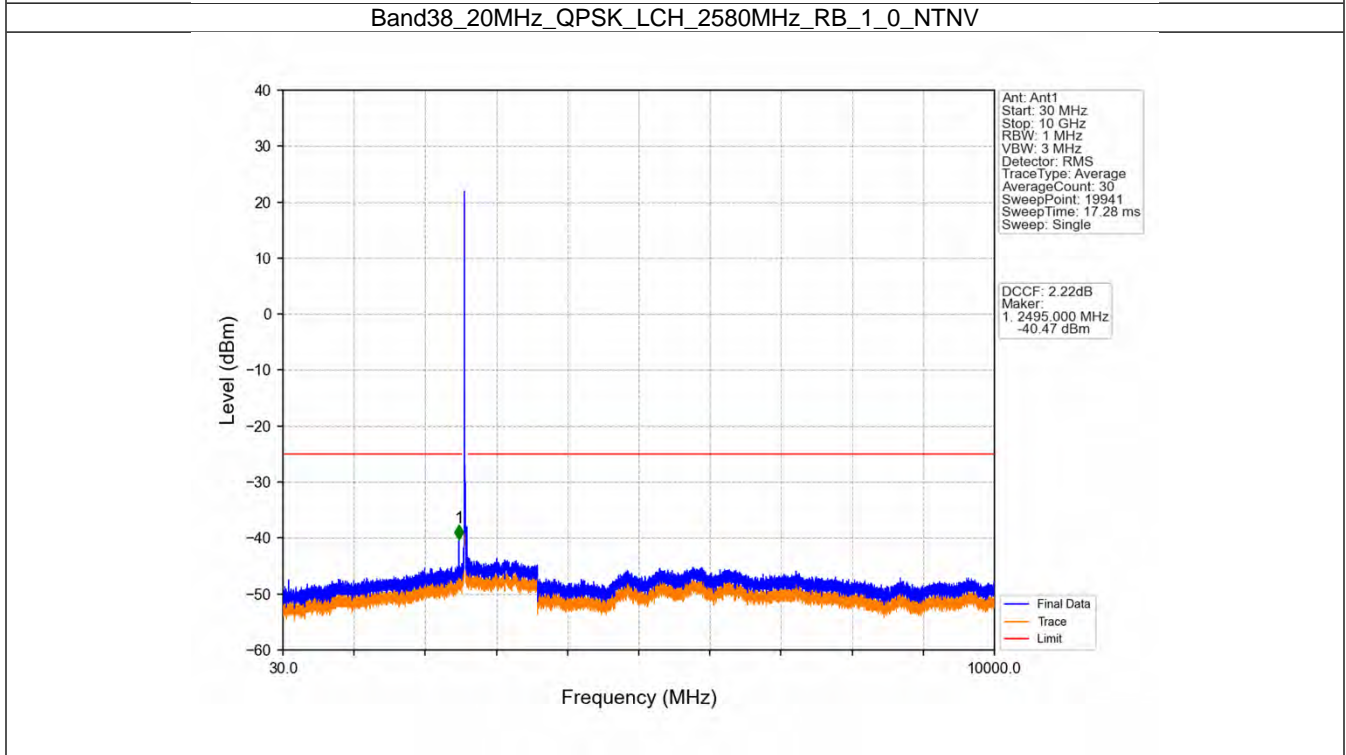
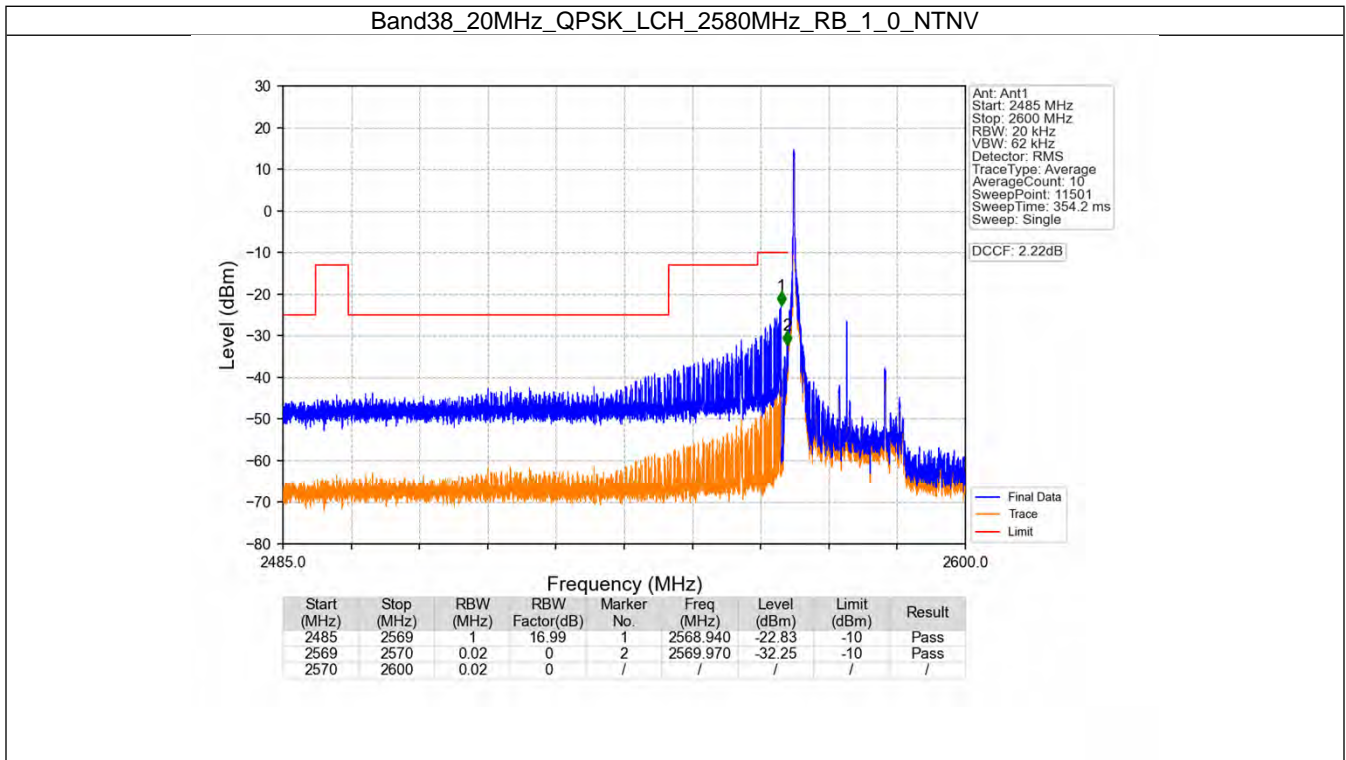


## 6.4 B38\_20MHz

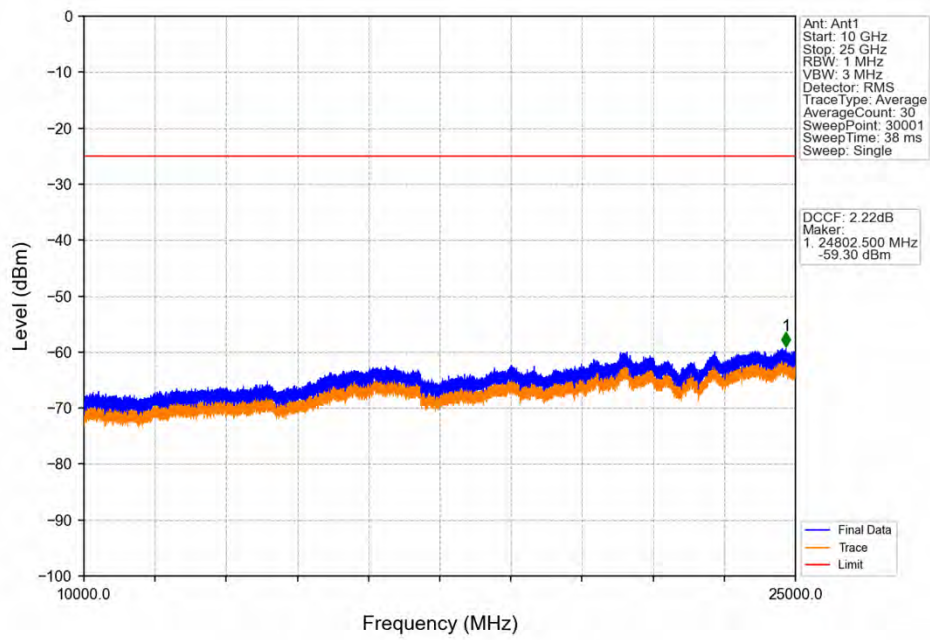
## 6.4.1 Test Result

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

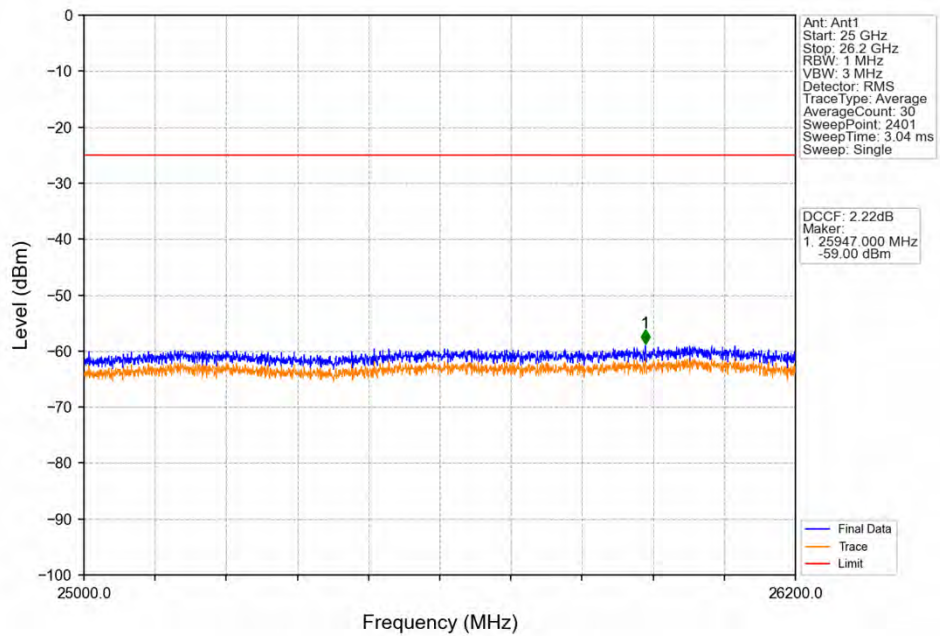
6.4.2 Test Graph



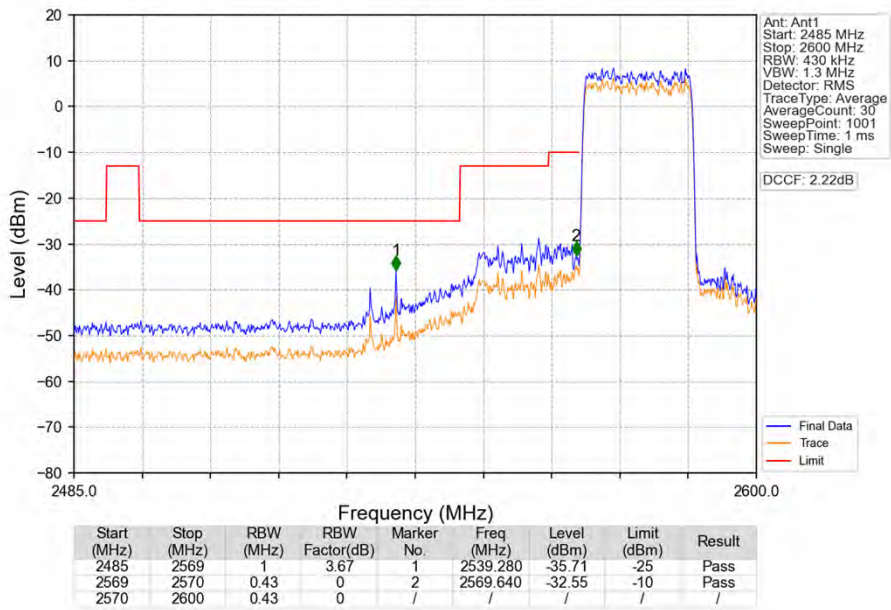
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV



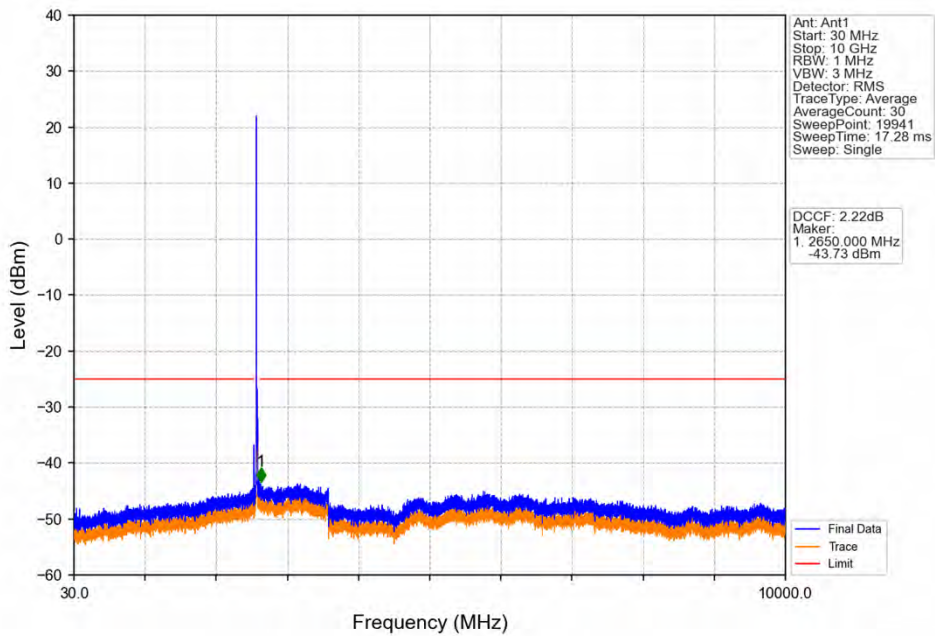
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV



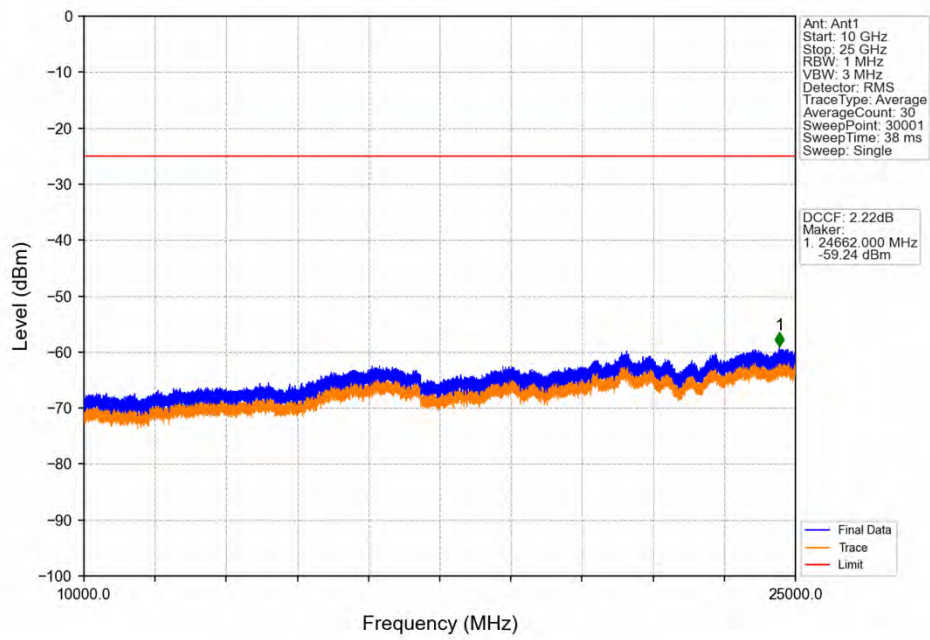
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_100\_0\_NTNV



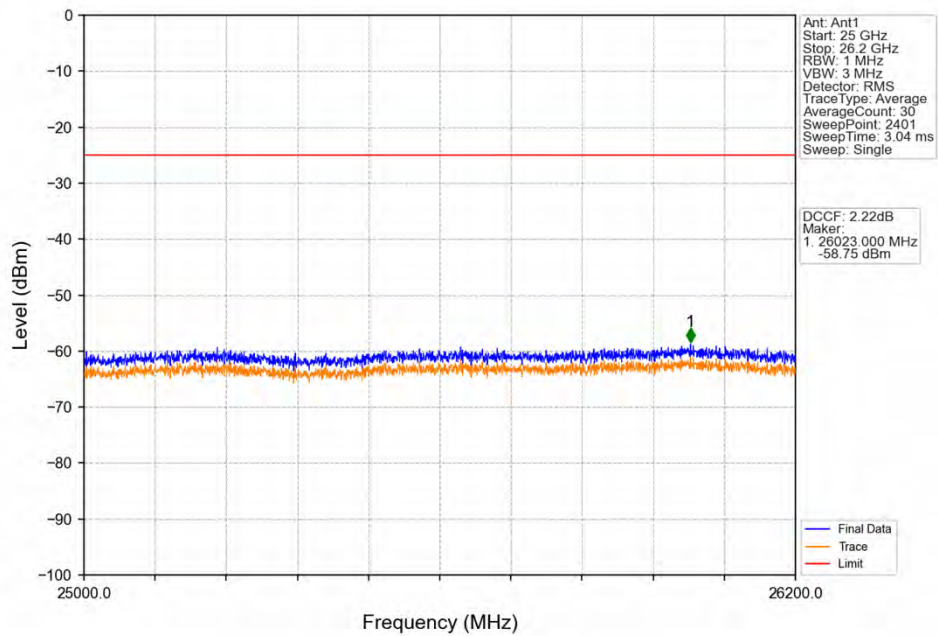
Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



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

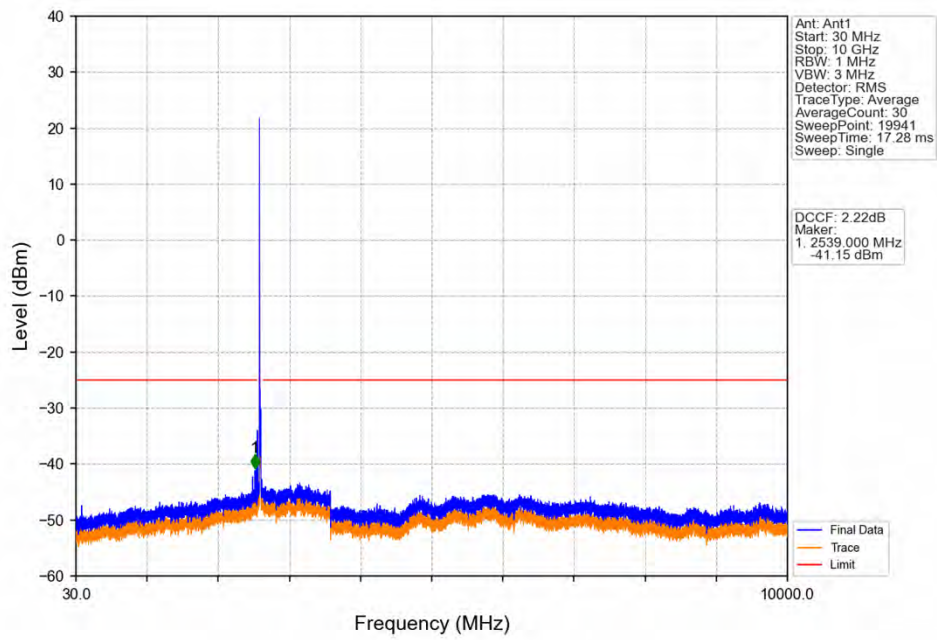


Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV

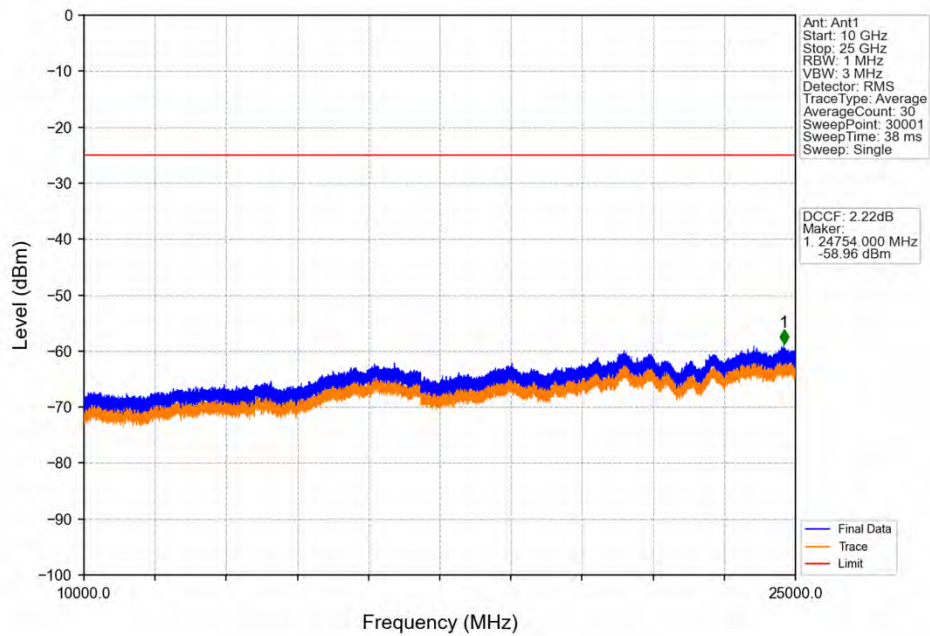




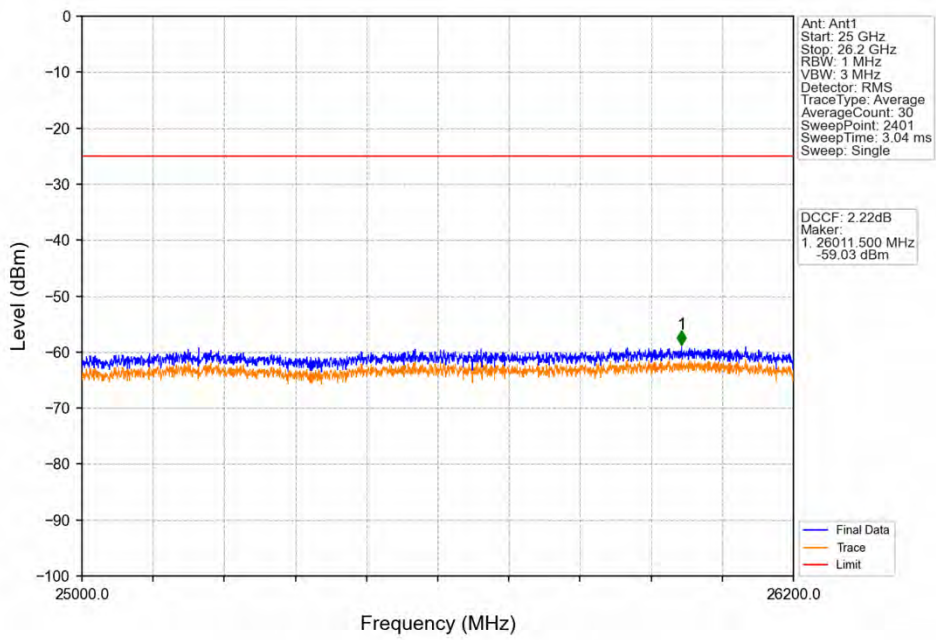
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV



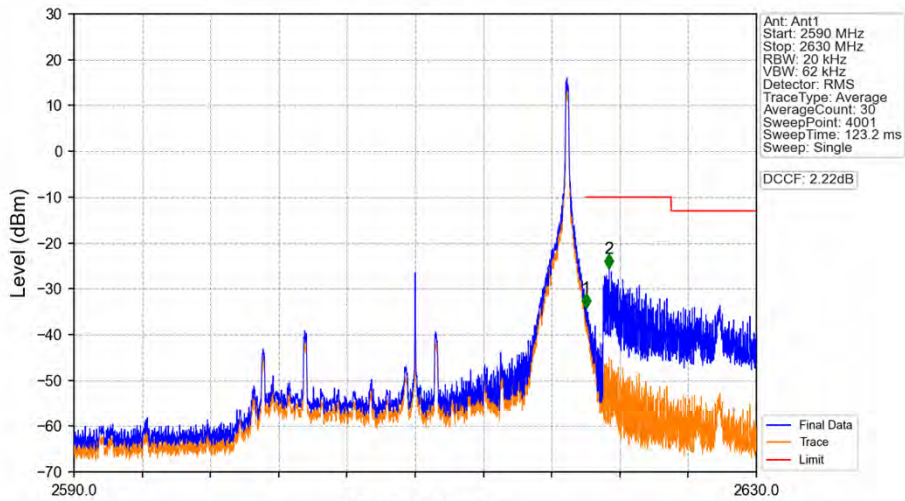
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV



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

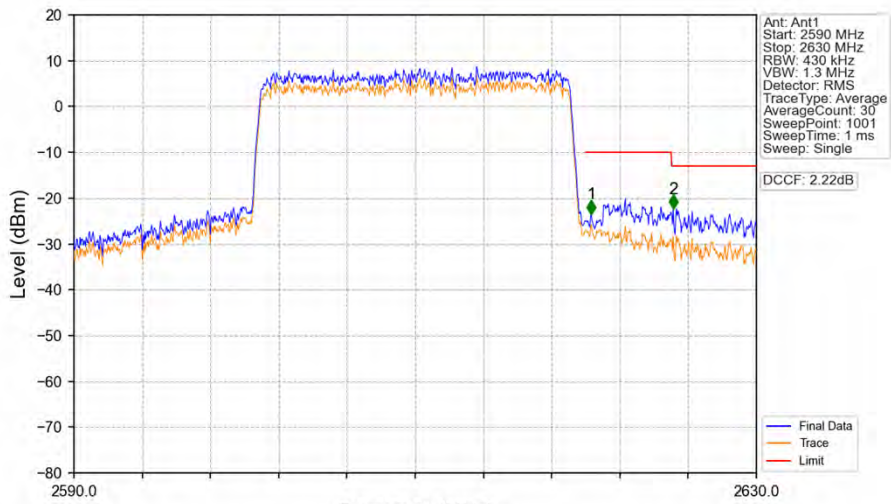


Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_99\_NTNV



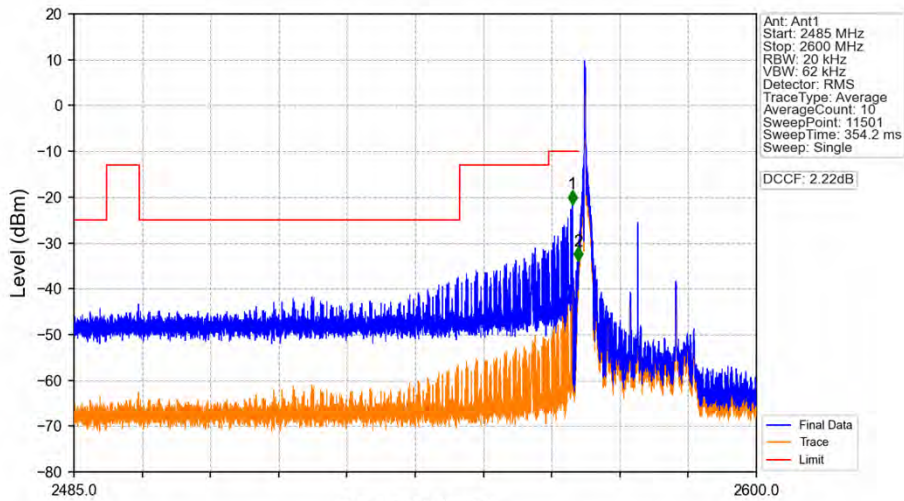
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.02	0	/	/	/	/	/
2620	2621	0.02	0	1	2620.020	-34.27	-10	Pass
2621	2630	1	16.99	2	2621.370	-25.60	-10	Pass

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



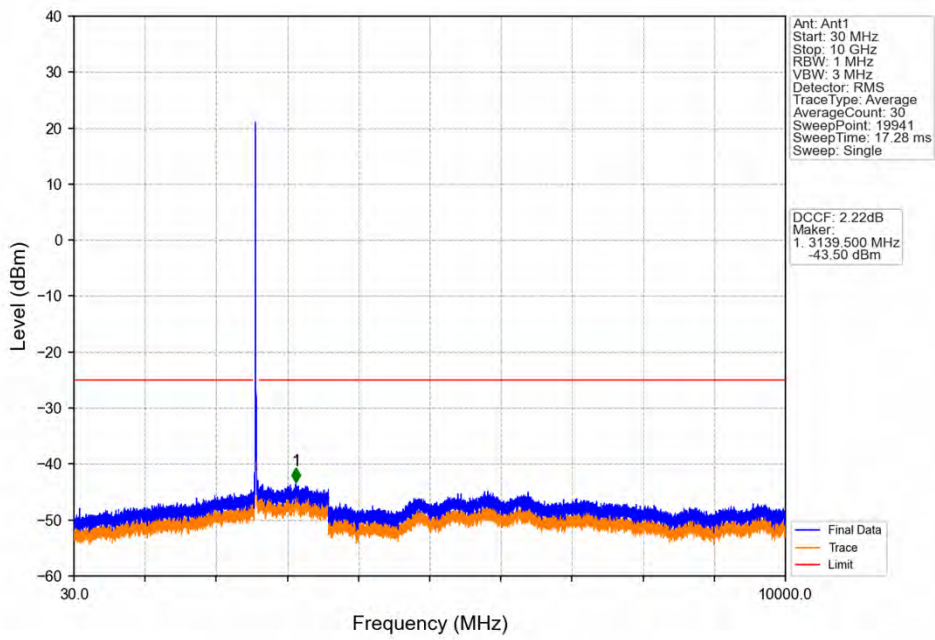
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	0	/	/	/	/	/
2620	2621	0.43	0	1	2620.320	-23.48	-10	Pass
2621	2630	1	3.67	2	2625.120	-22.29	-13	Pass

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

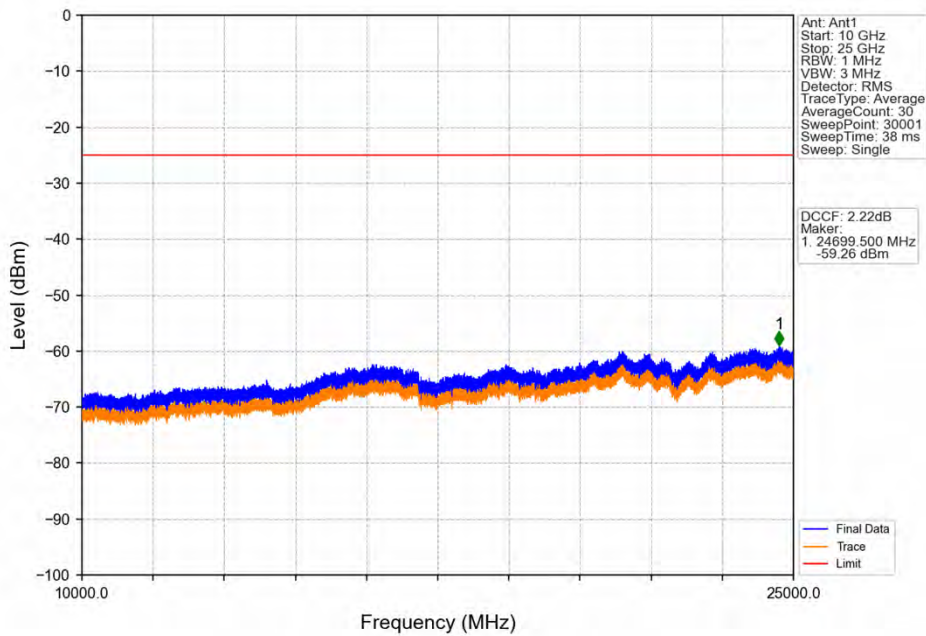


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	16.99	1	2569.000	-21.55	-10	Pass
2569	2570	0.02	0	2	2570.000	-33.97	-10	Pass
2570	2600	0.02	0	/	/	/	/	/

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

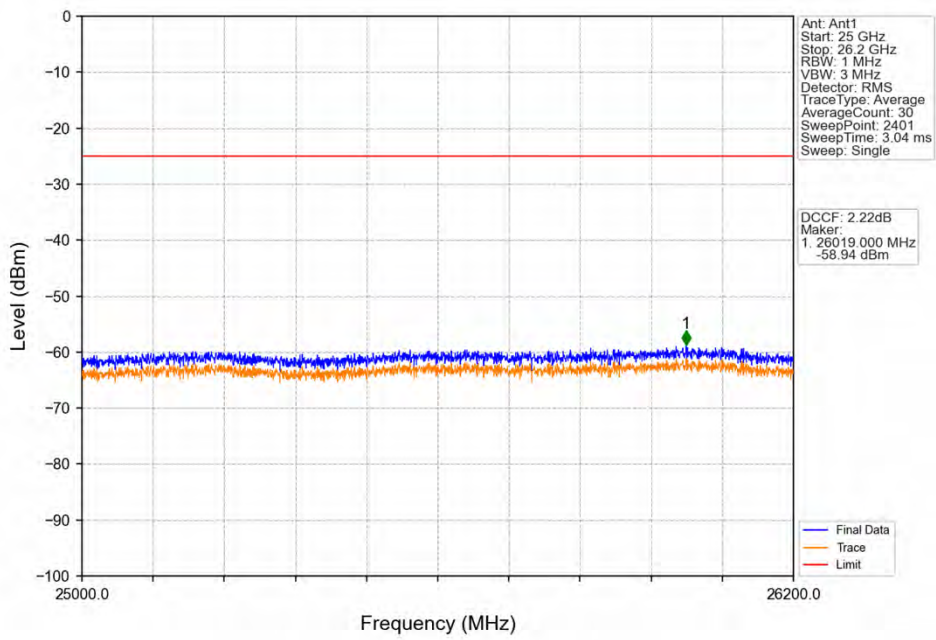


Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV





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



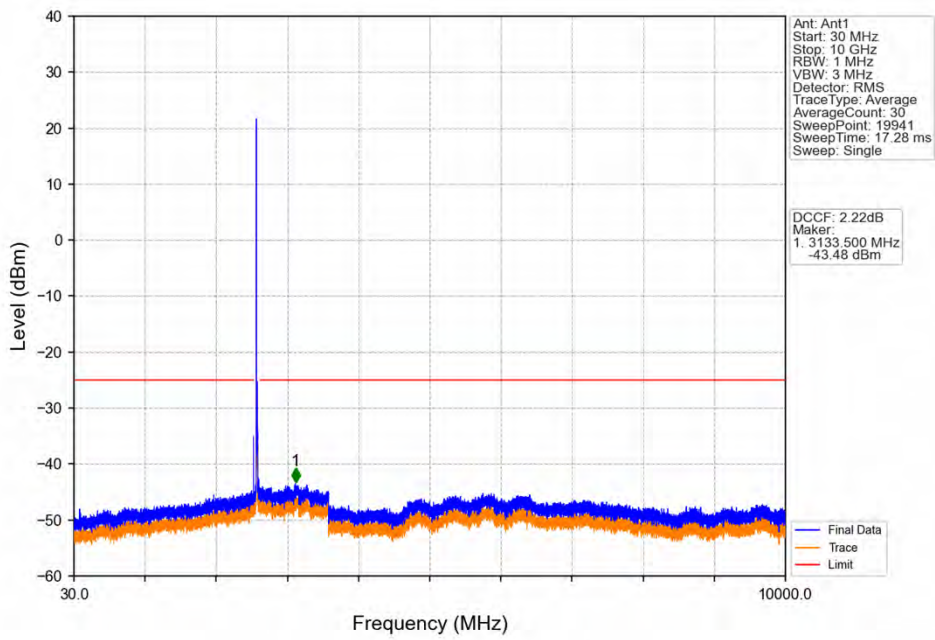
Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_100\_0\_NTNV



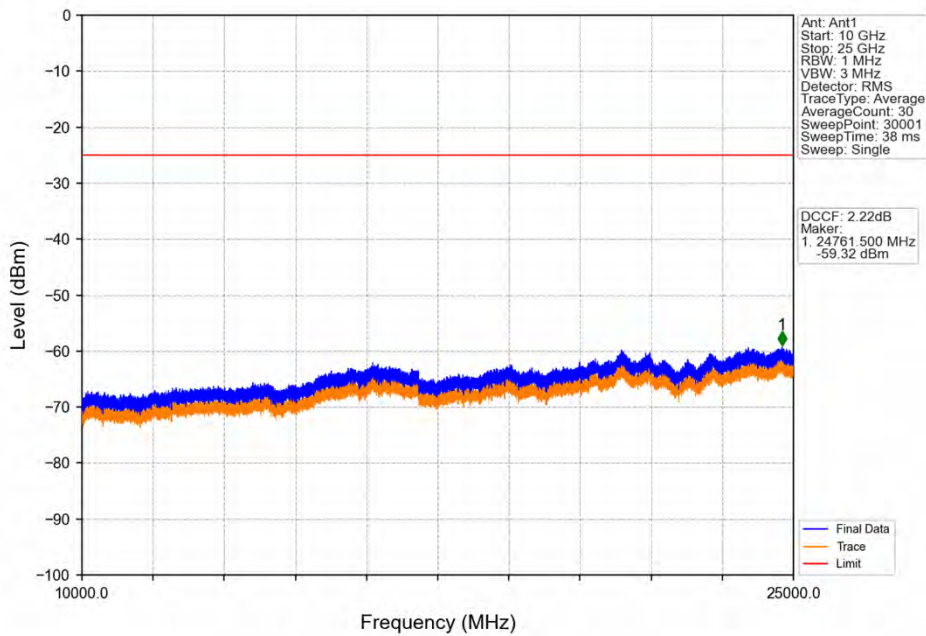
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	3.67	1	2565.615	-22.58	-10	Pass
2569	2570	0.43	0	2	2569.525	-34.34	-10	Pass
2570	2600	0.43	0	/	/	/	/	/



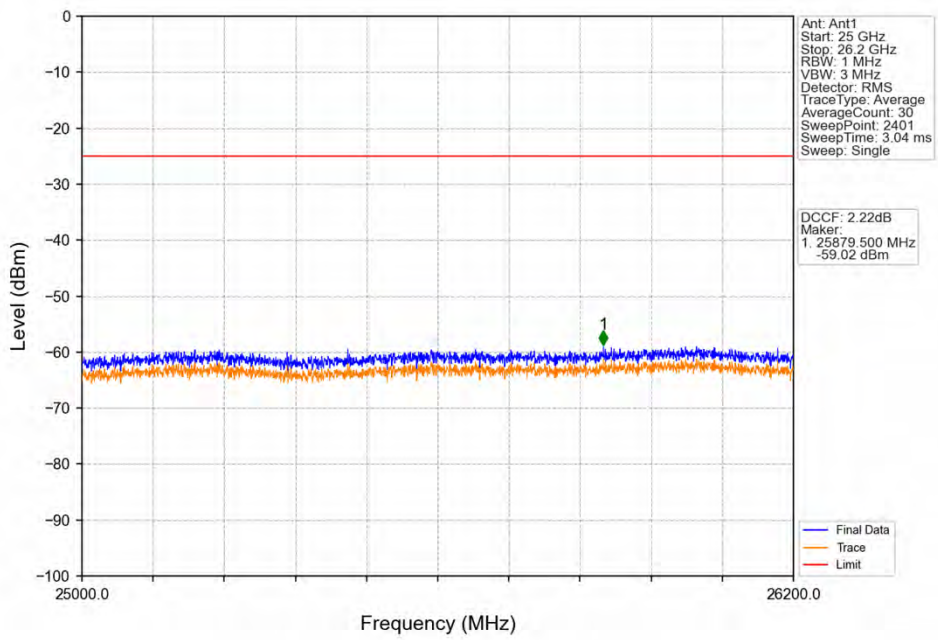
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



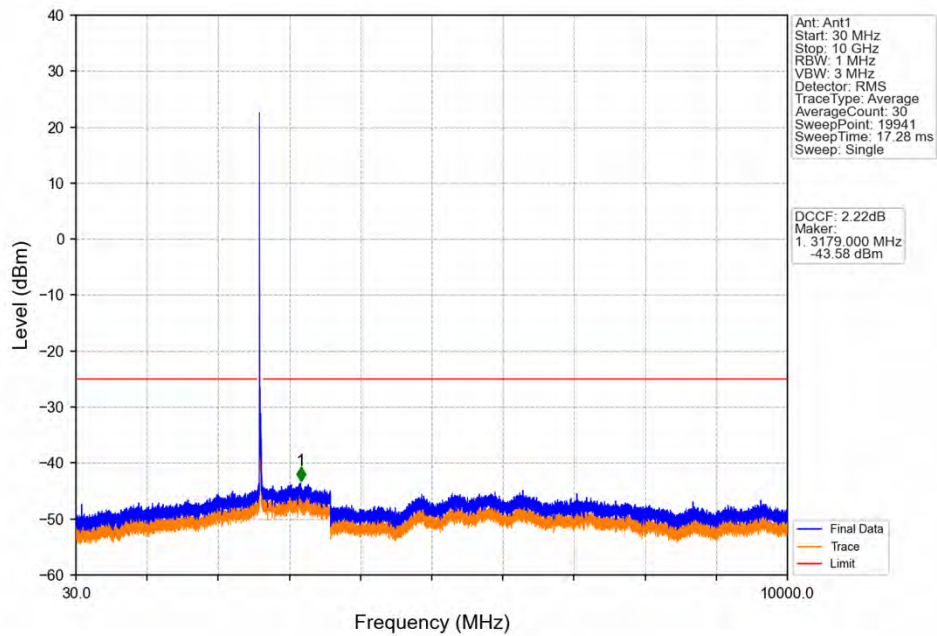
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



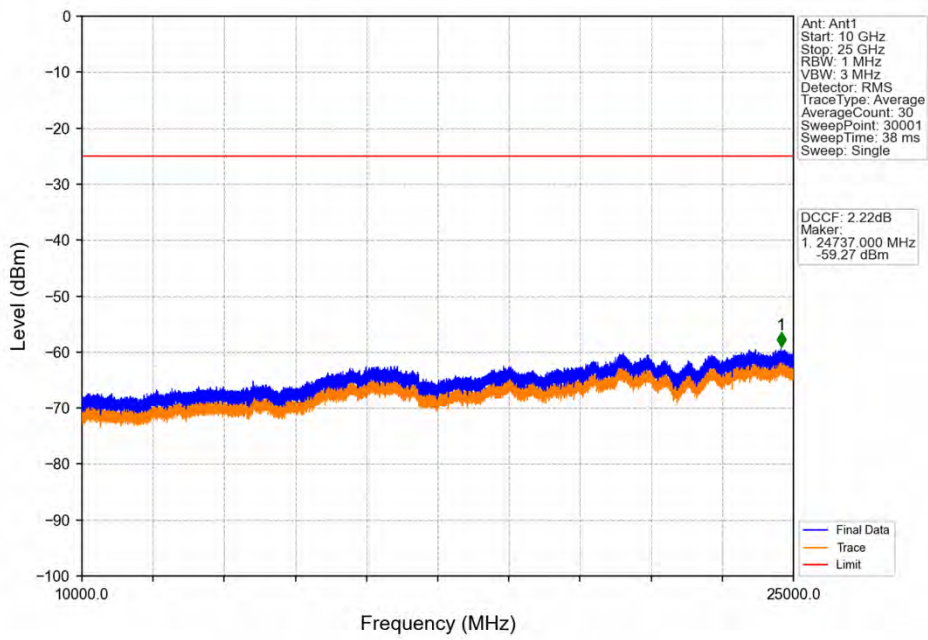
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



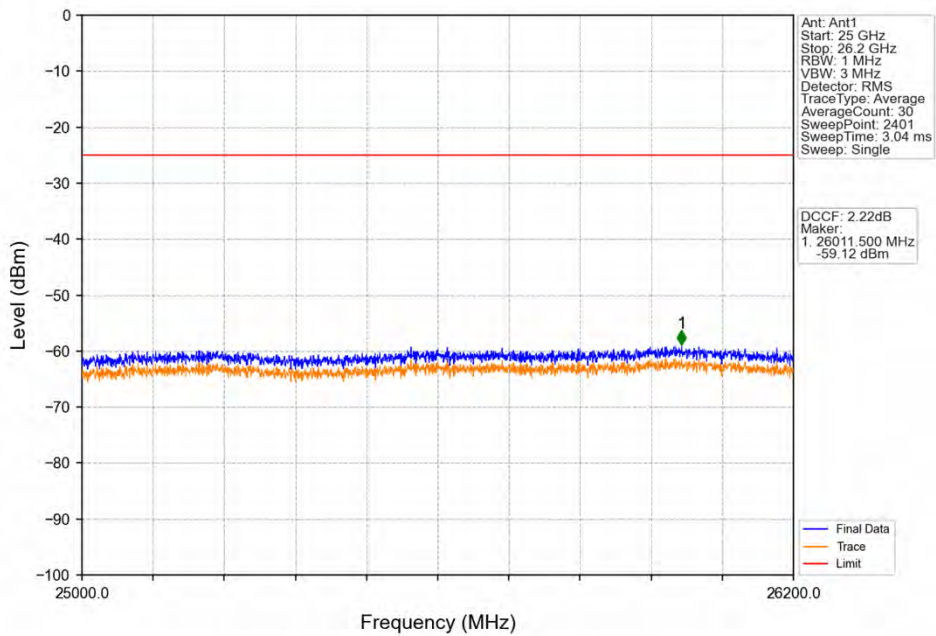
Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV



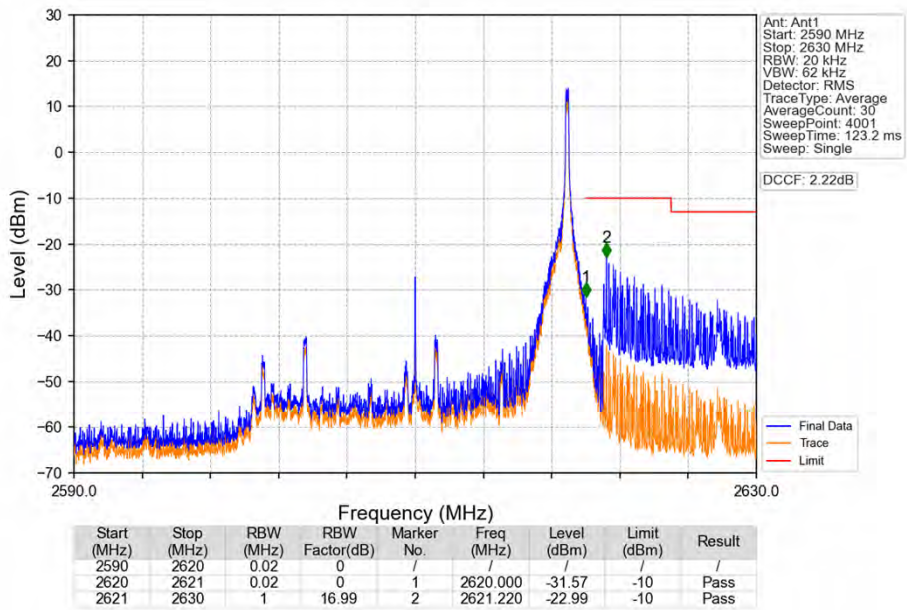
Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV



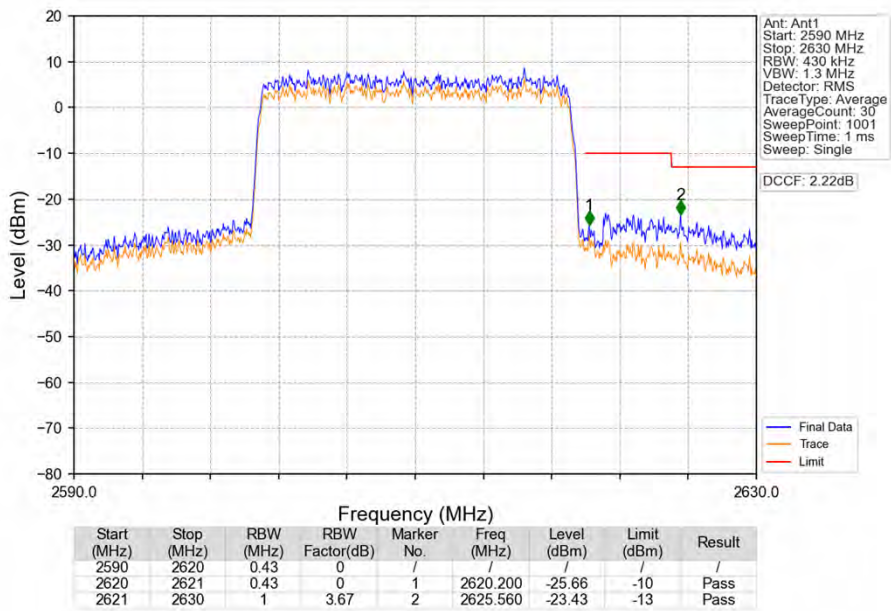
Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_99\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_100\_0\_NTNV



## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
38	5	2572.5	2617.5	0.2388	0.0052	ppm	4M57G7D	27M	23.78
38	5	2572.5	2617.5	0.1919	0.0056	ppm	4M57W7D	27M	22.83
38	10	2575	2615	0.2415	0.0034	ppm	9M10G7D	27M	23.83
38	10	2575	2615	0.2037	0.0041	ppm	9M09W7D	27M	23.09
38	15	2577.5	2612.5	0.2339	0.0030	ppm	13M6G7D	27M	23.69
38	15	2577.5	2612.5	0.2028	0.0033	ppm	13M6W7D	27M	23.07
38	20	2580	2610	0.2377	0.0025	ppm	18M2G7D	27M	23.76
38	20	2580	2610	0.1914	0.0026	ppm	18M1W7D	27M	22.82

### 7.2 Form731\_EIRP

#### 7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
38	5	2572.5	2617.5	0.2612	0.0052	ppm	4M57G7D	27M	24.17
38	5	2572.5	2617.5	0.2099	0.0056	ppm	4M57W7D	27M	23.22
38	10	2575	2615	0.2642	0.0034	ppm	9M10G7D	27M	24.22
38	10	2575	2615	0.2228	0.0041	ppm	9M09W7D	27M	23.48
38	15	2577.5	2612.5	0.2559	0.0030	ppm	13M6G7D	27M	24.08
38	15	2577.5	2612.5	0.2218	0.0033	ppm	13M6W7D	27M	23.46
38	20	2580	2610	0.2600	0.0025	ppm	18M2G7D	27M	24.15
38	20	2580	2610	0.2094	0.0026	ppm	18M1W7D	27M	23.21