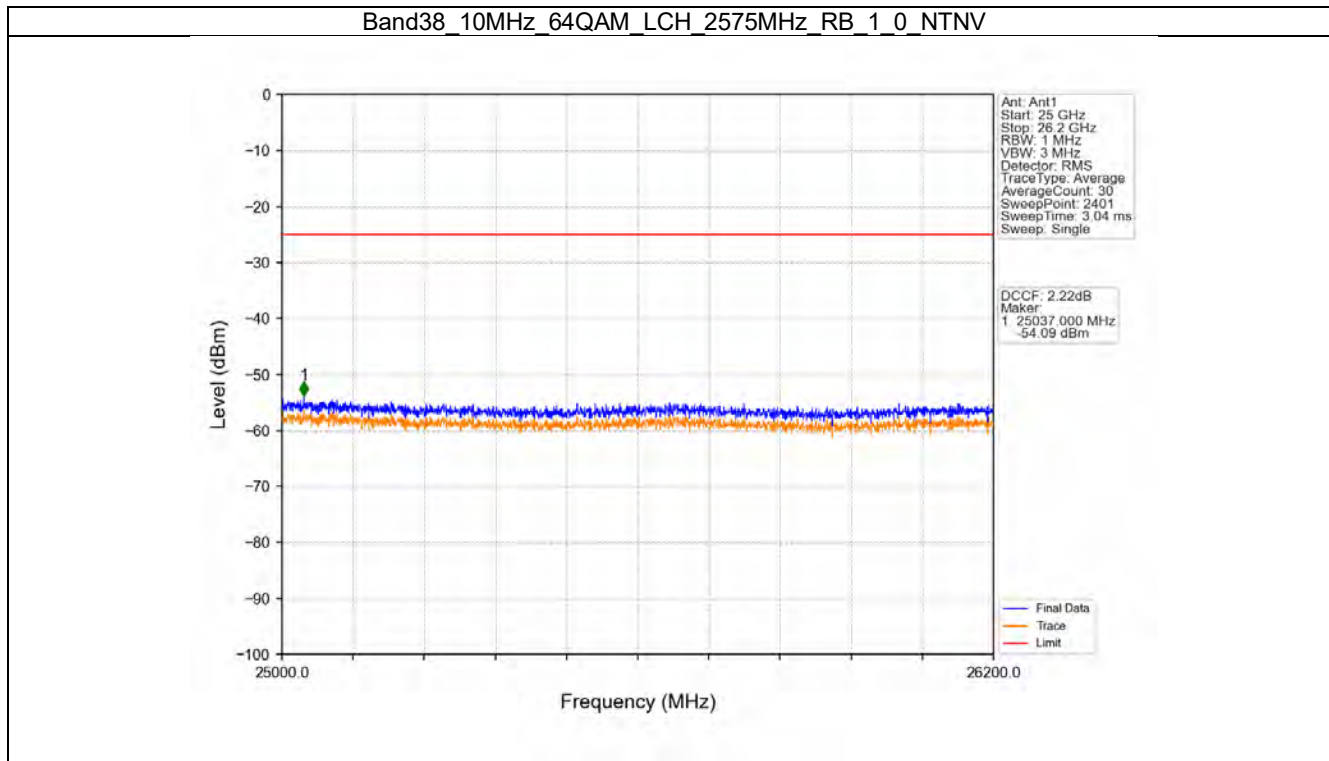




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Band38\_10MHz\_64QAM\_LCH\_2575MHz\_RB\_1\_0\_NTNV



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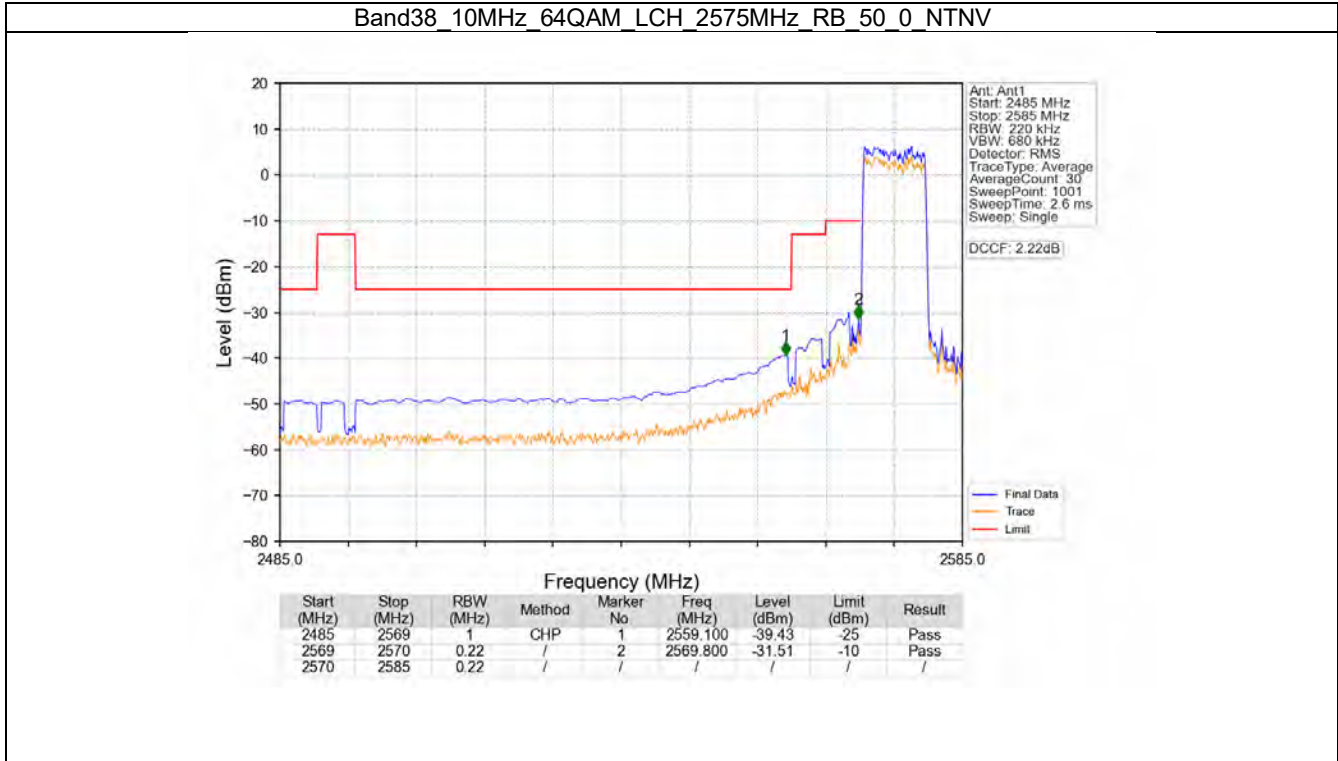


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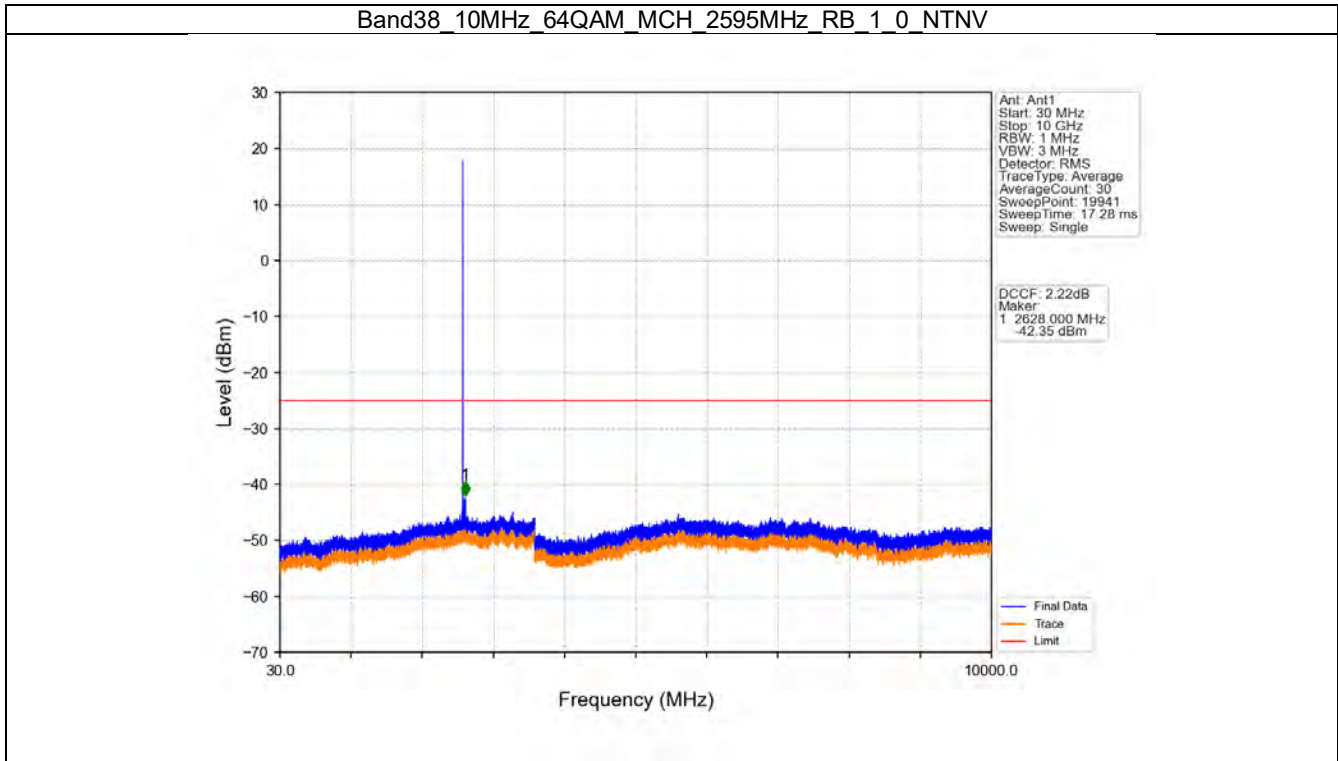


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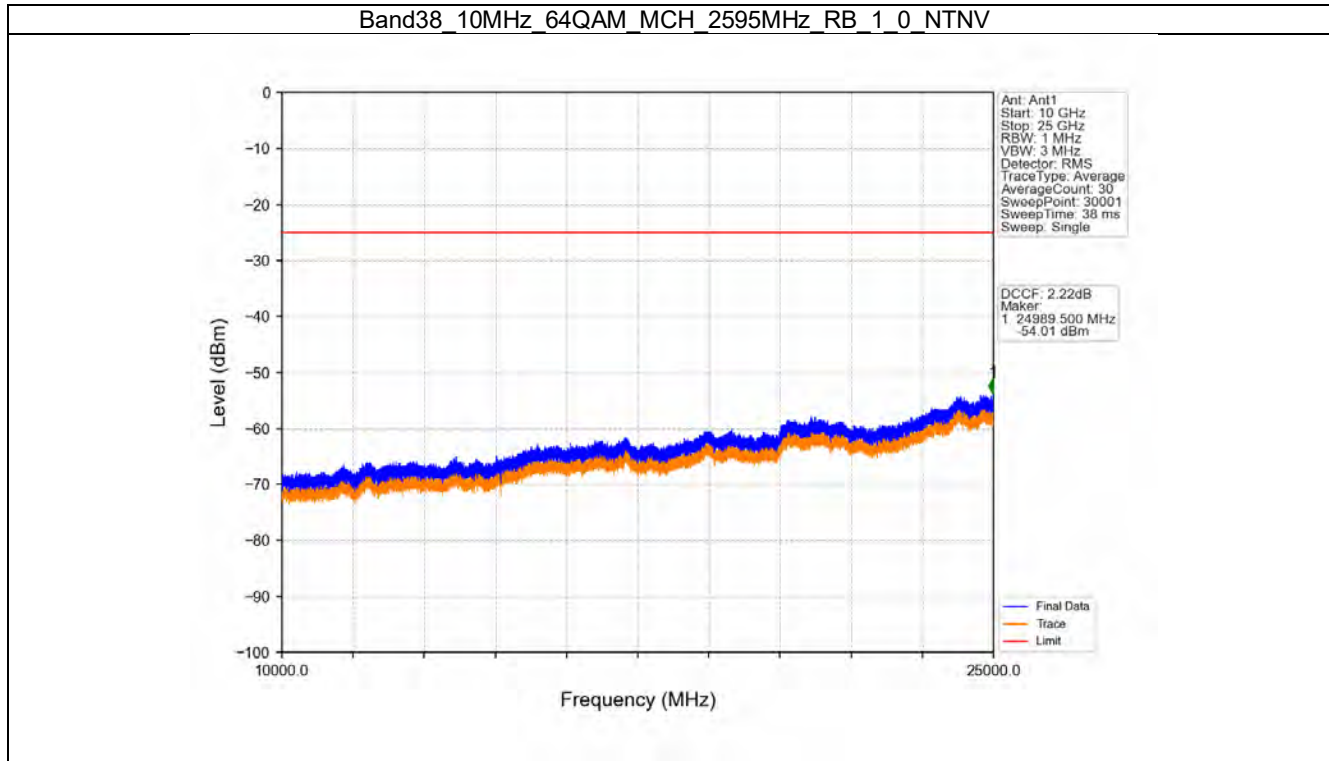
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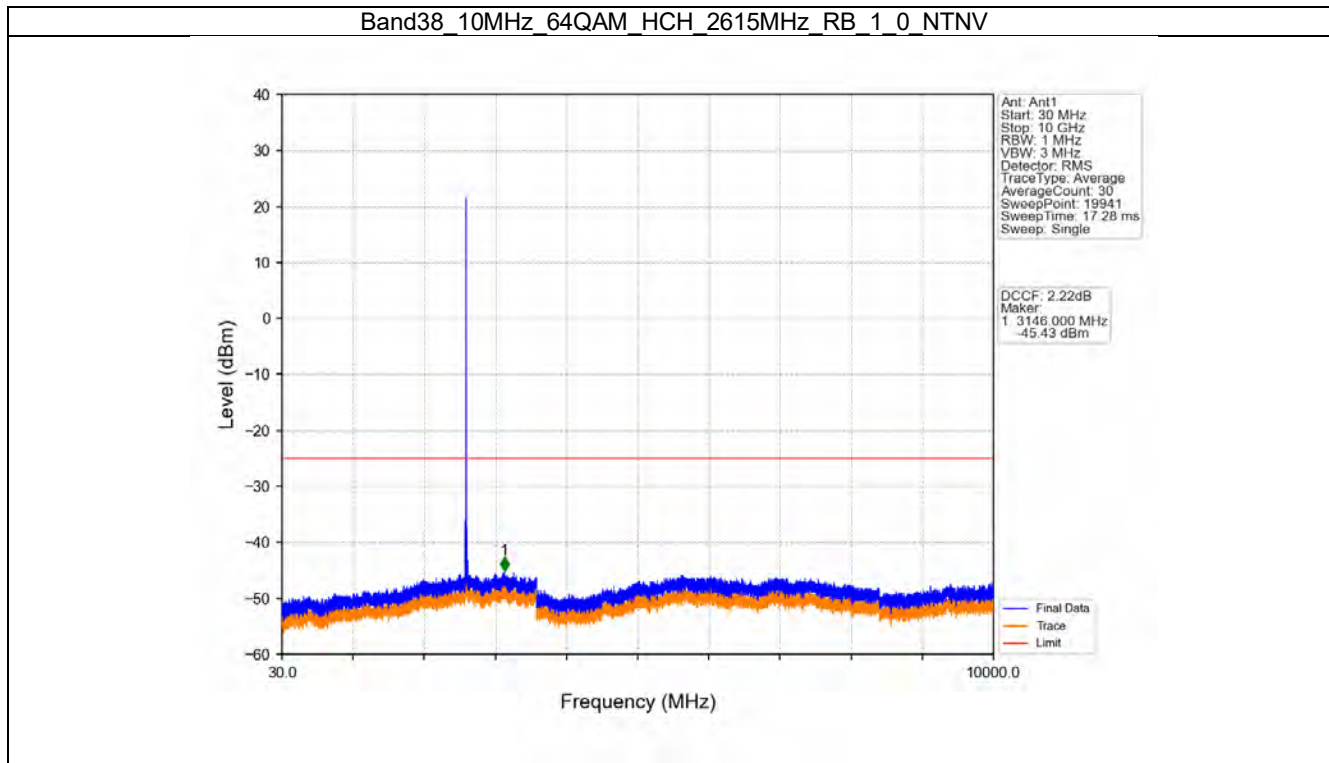






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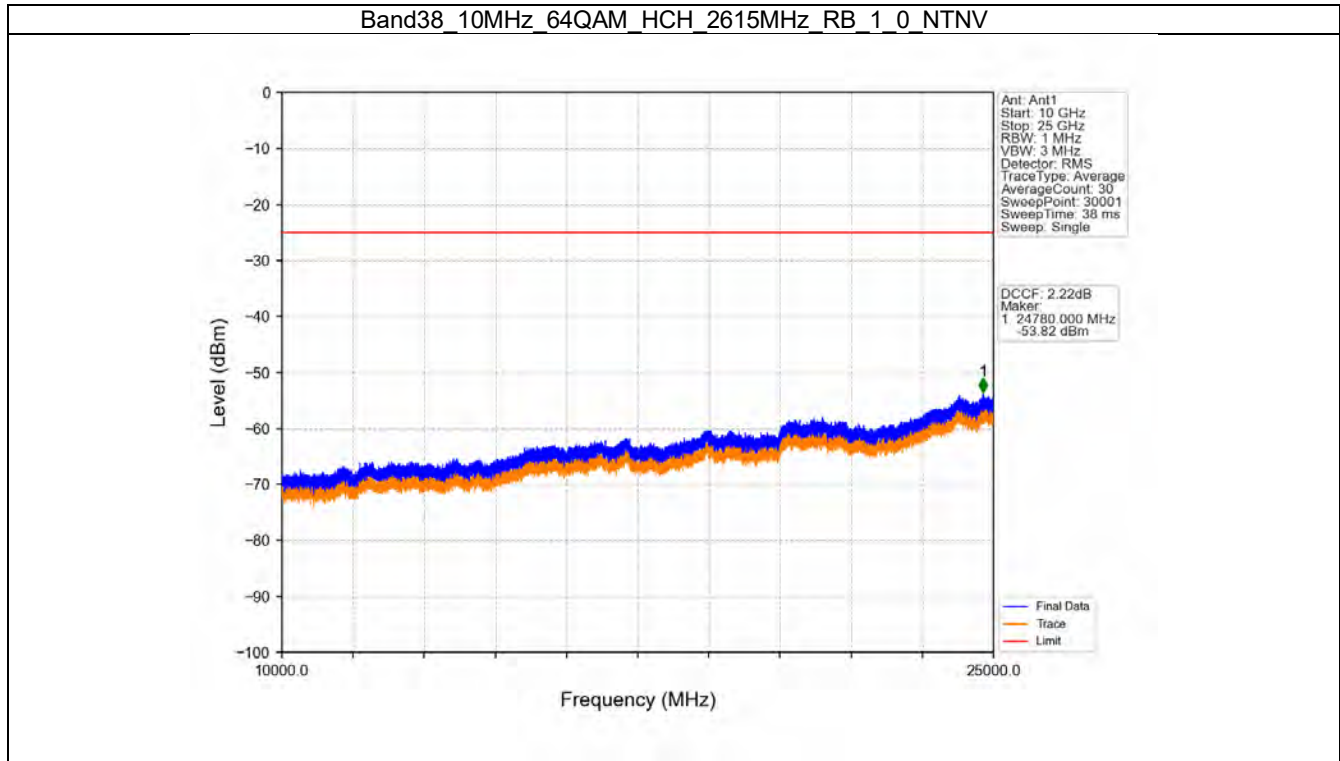


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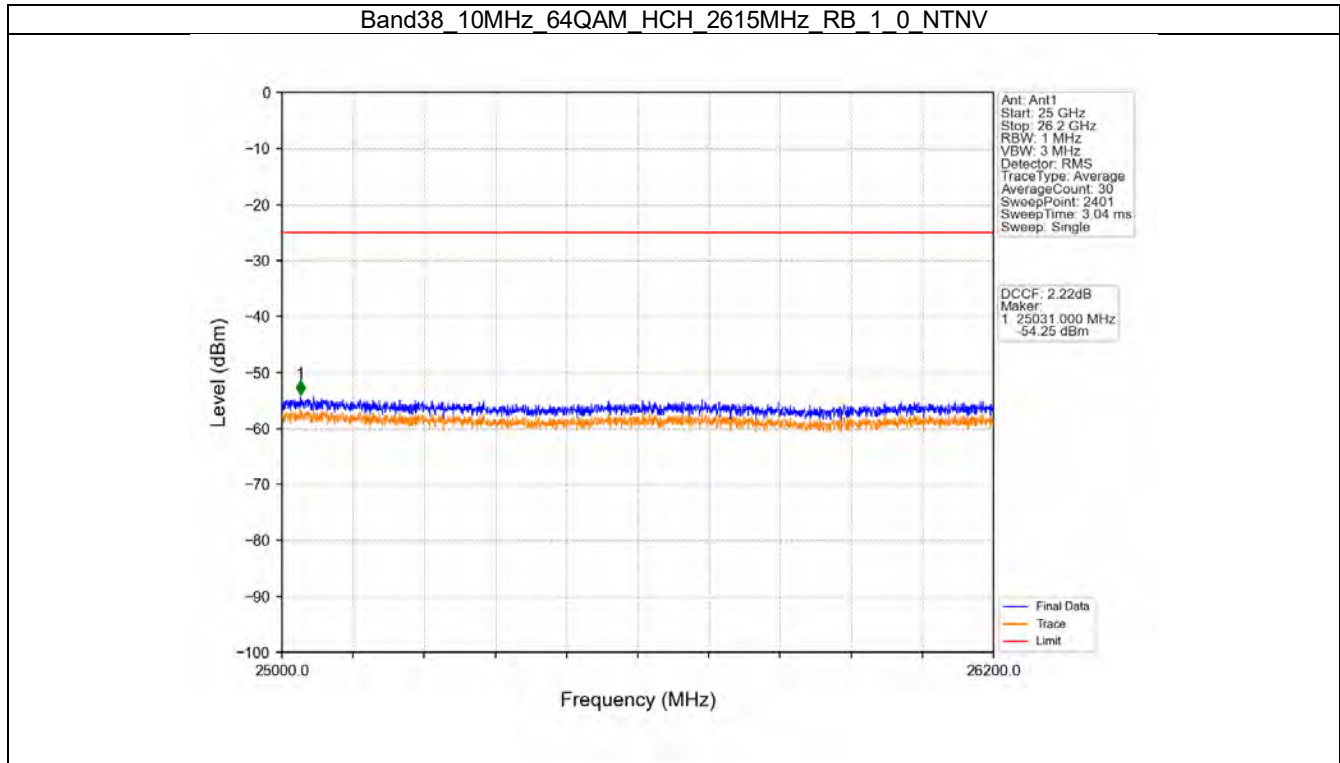


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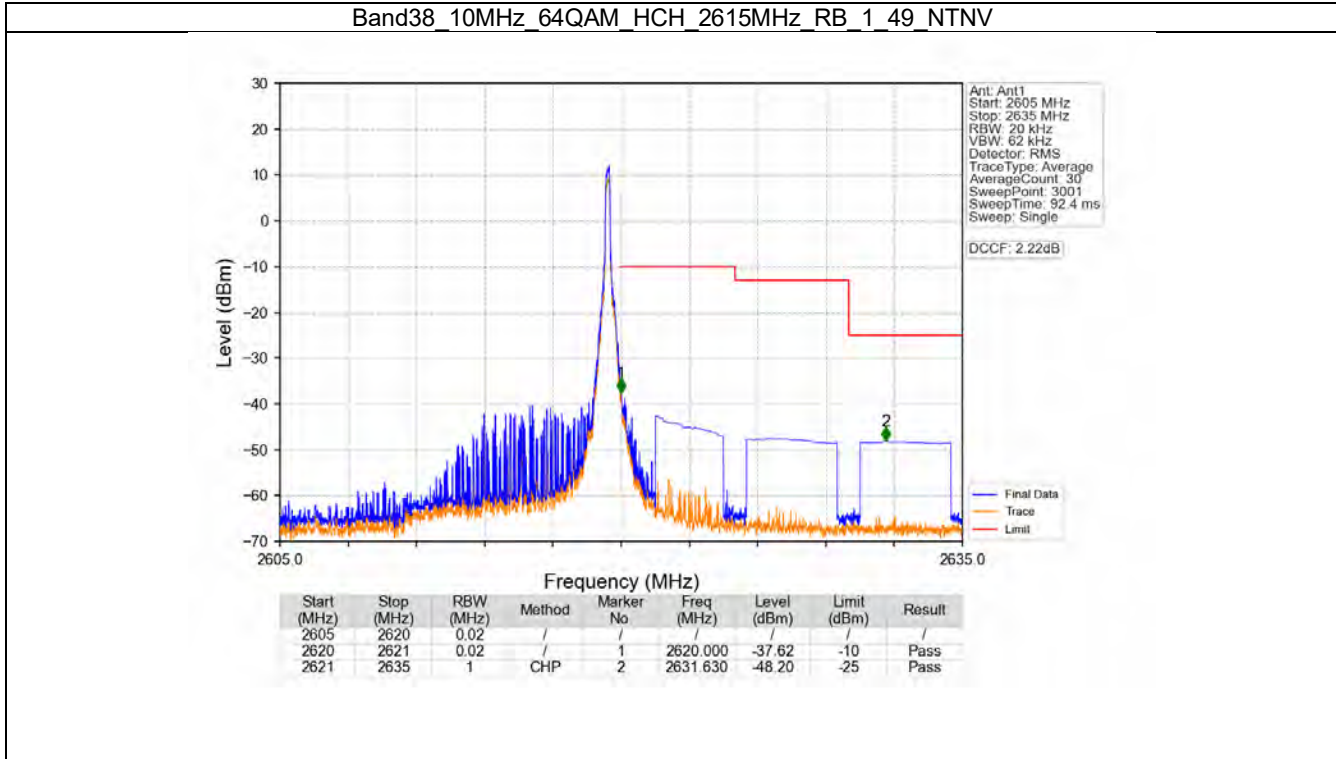


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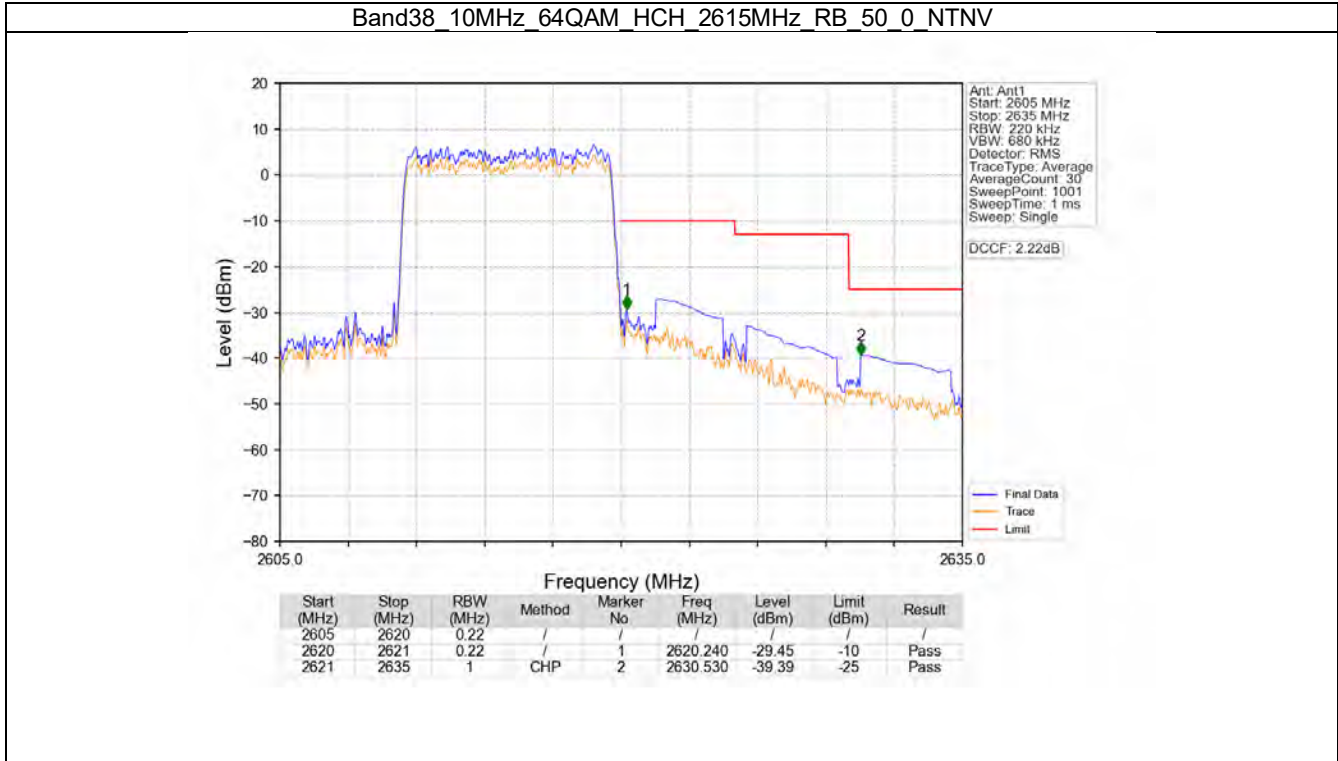


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## 5.3 B38\_15MHz

### 5.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV						
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
	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
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	2577.5	1	0	Refer To Test Graph		Pass
		75	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



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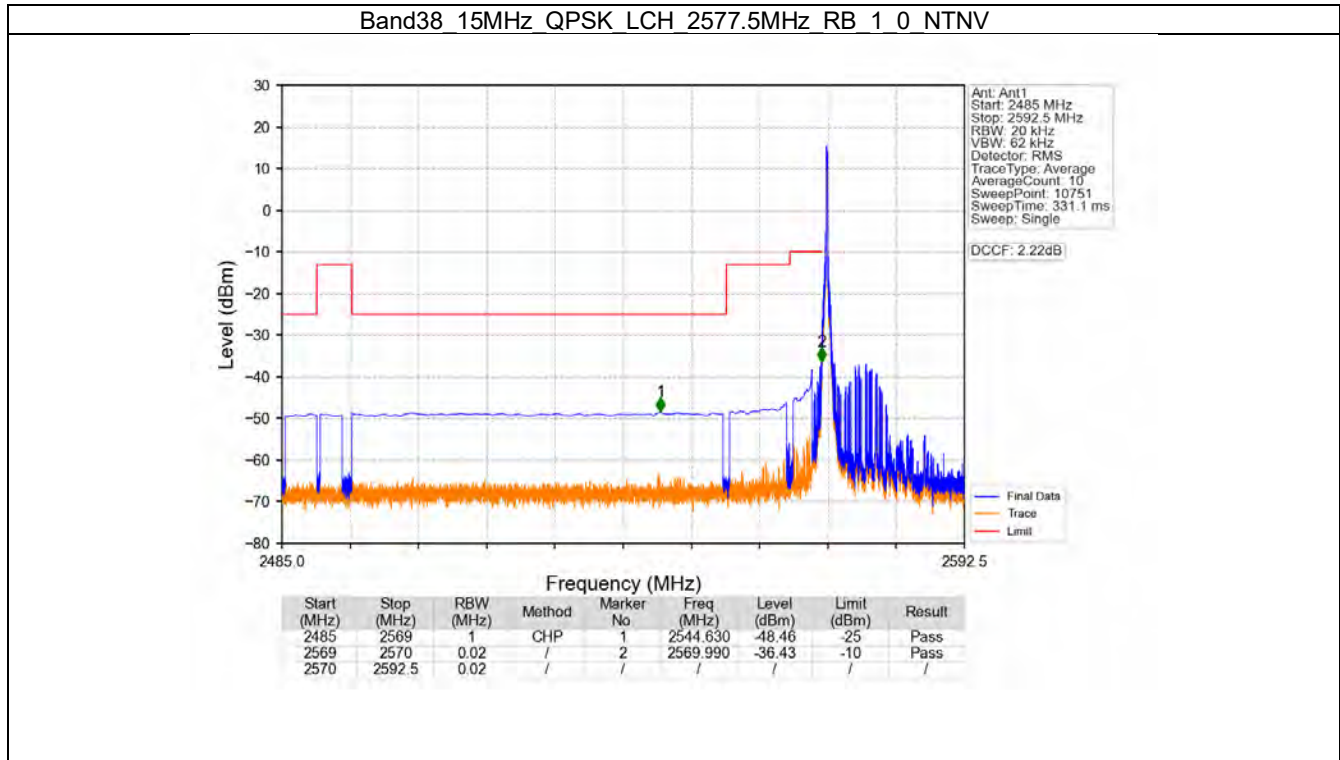
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5.3.2 Test Graph



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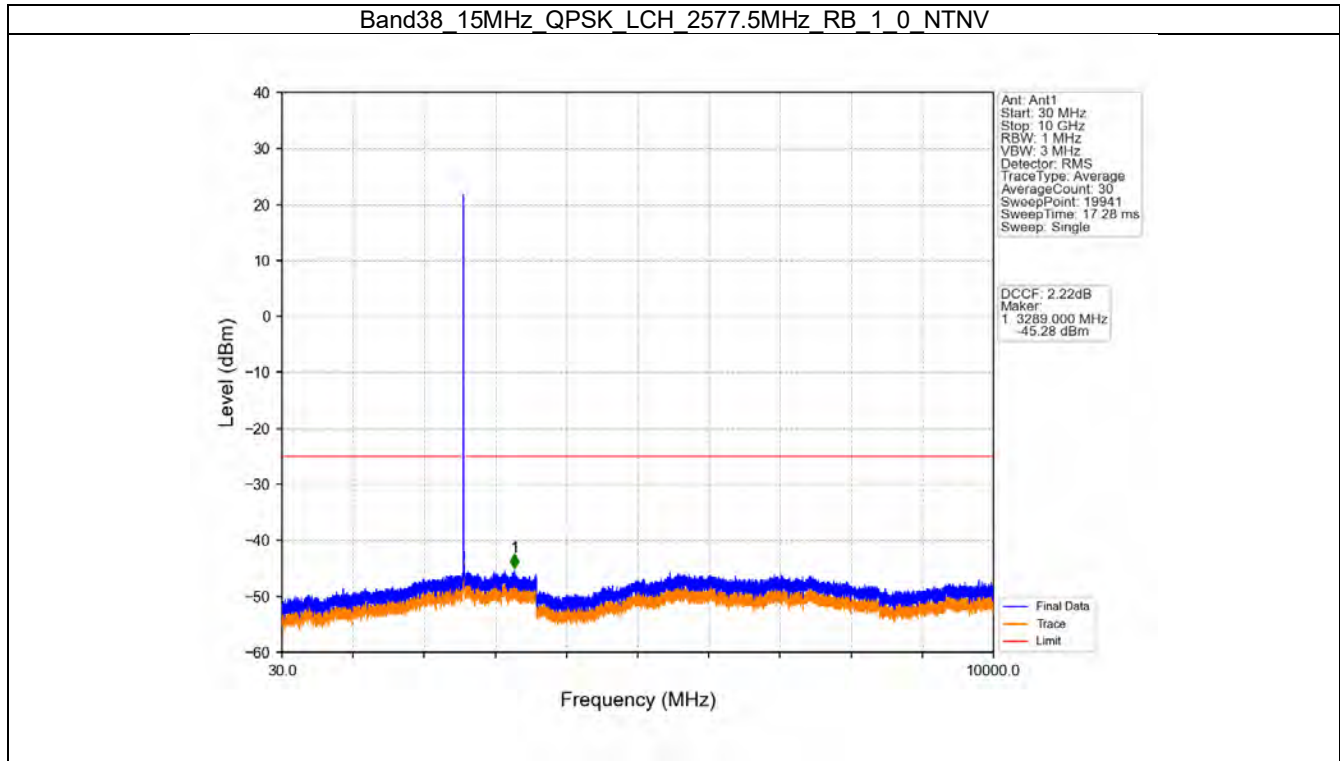


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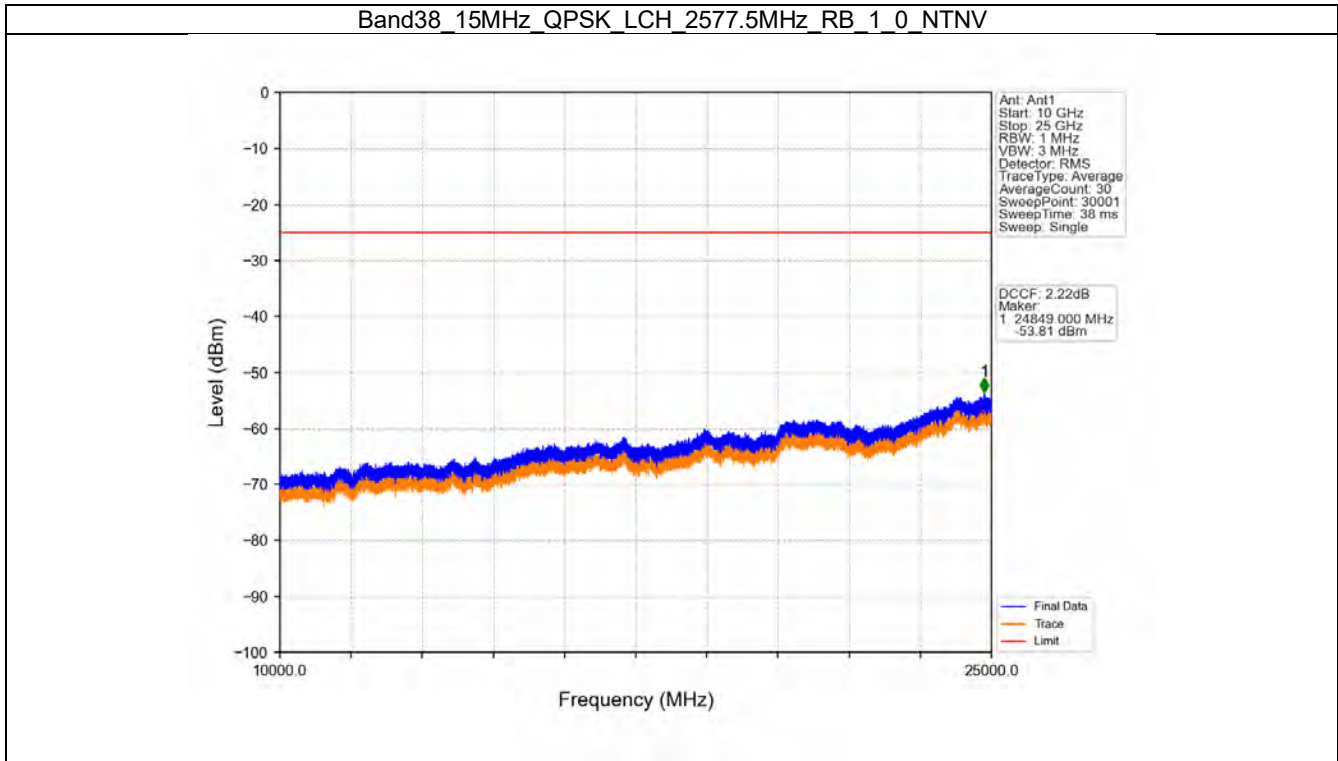


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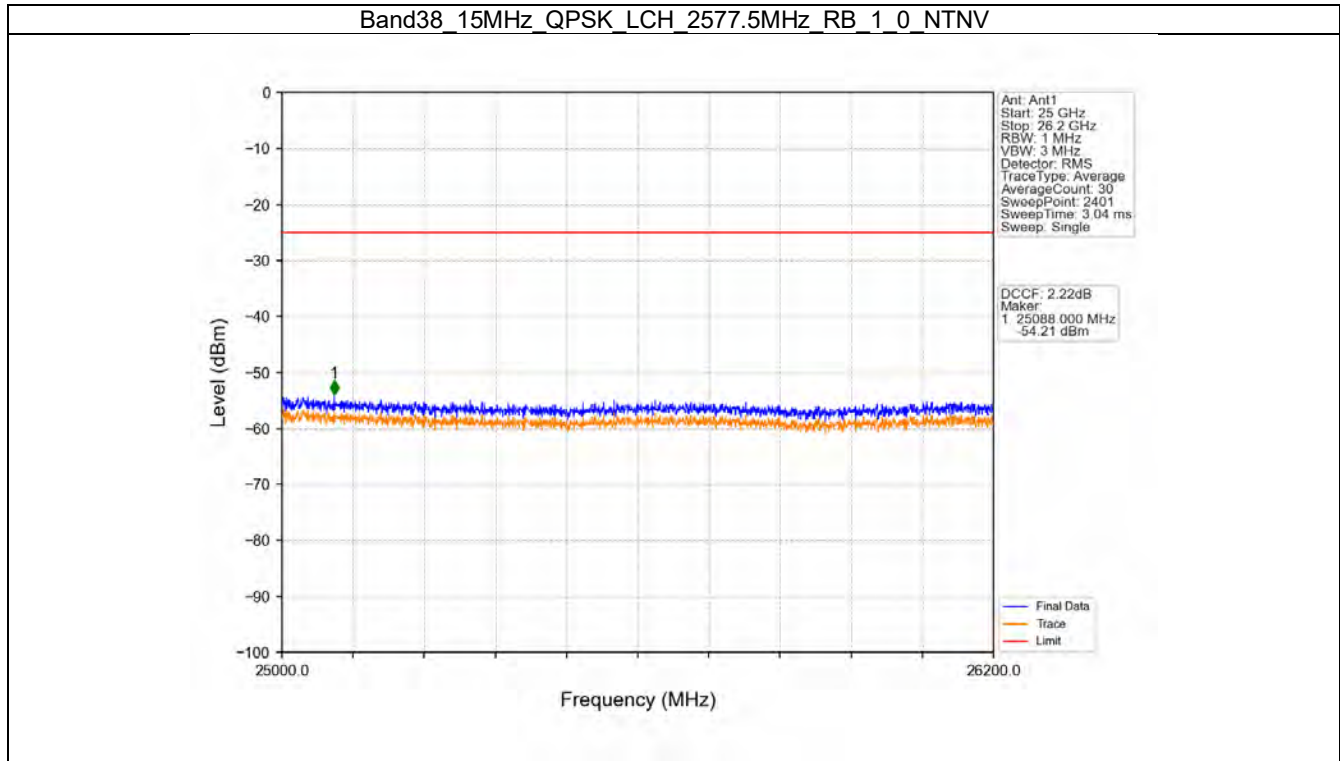


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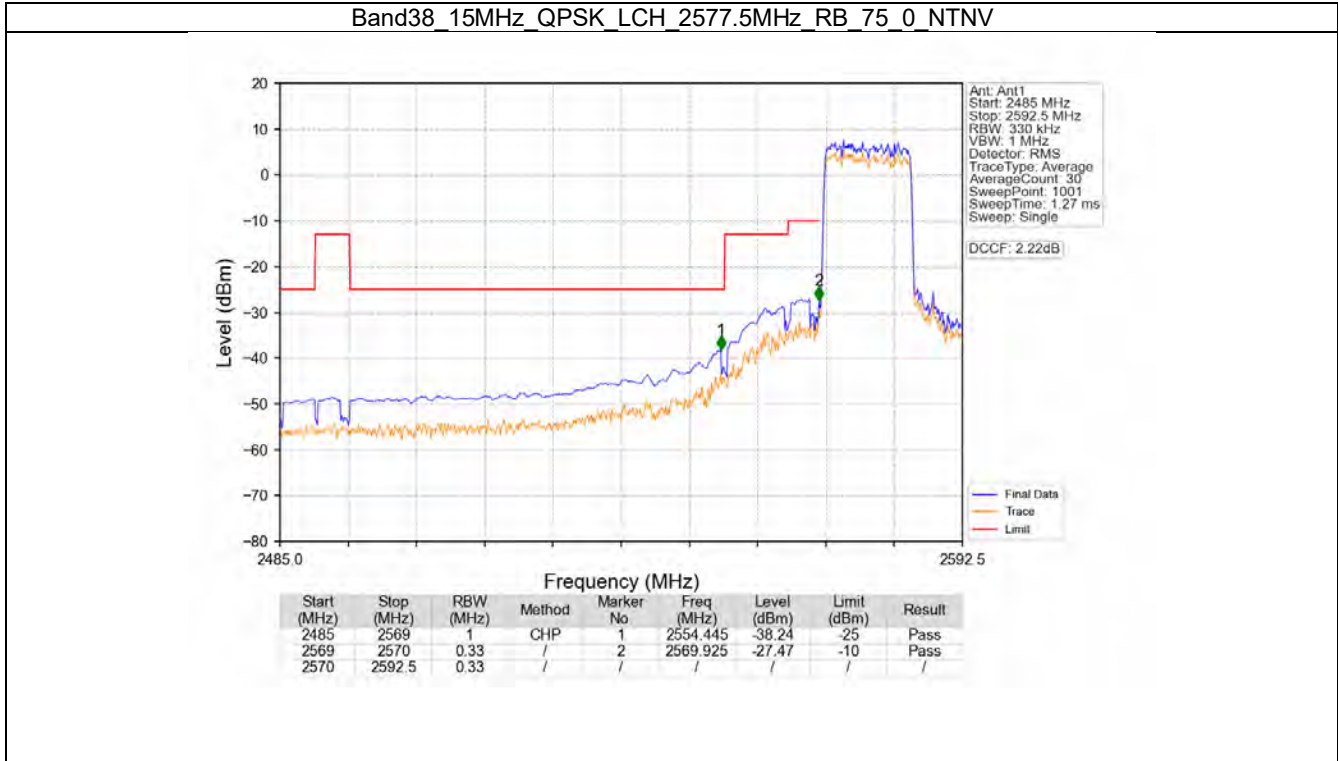


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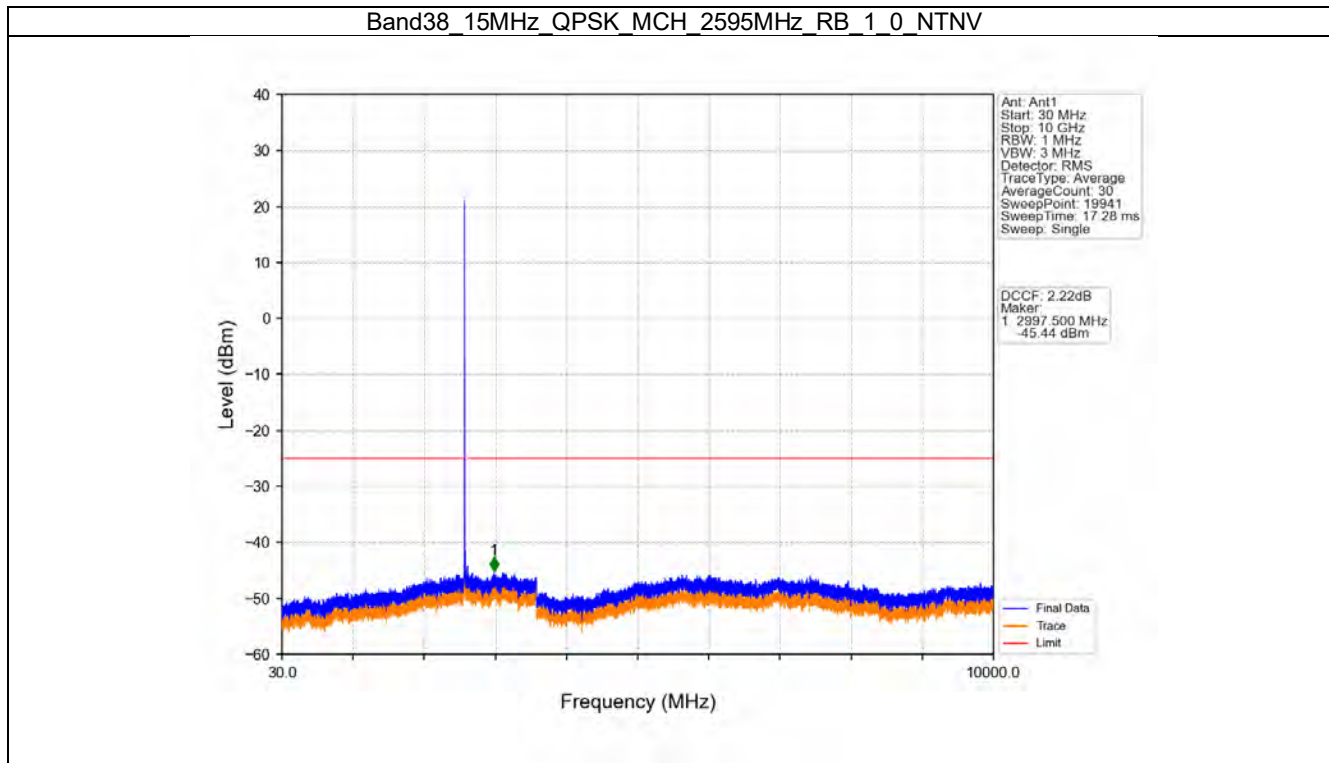
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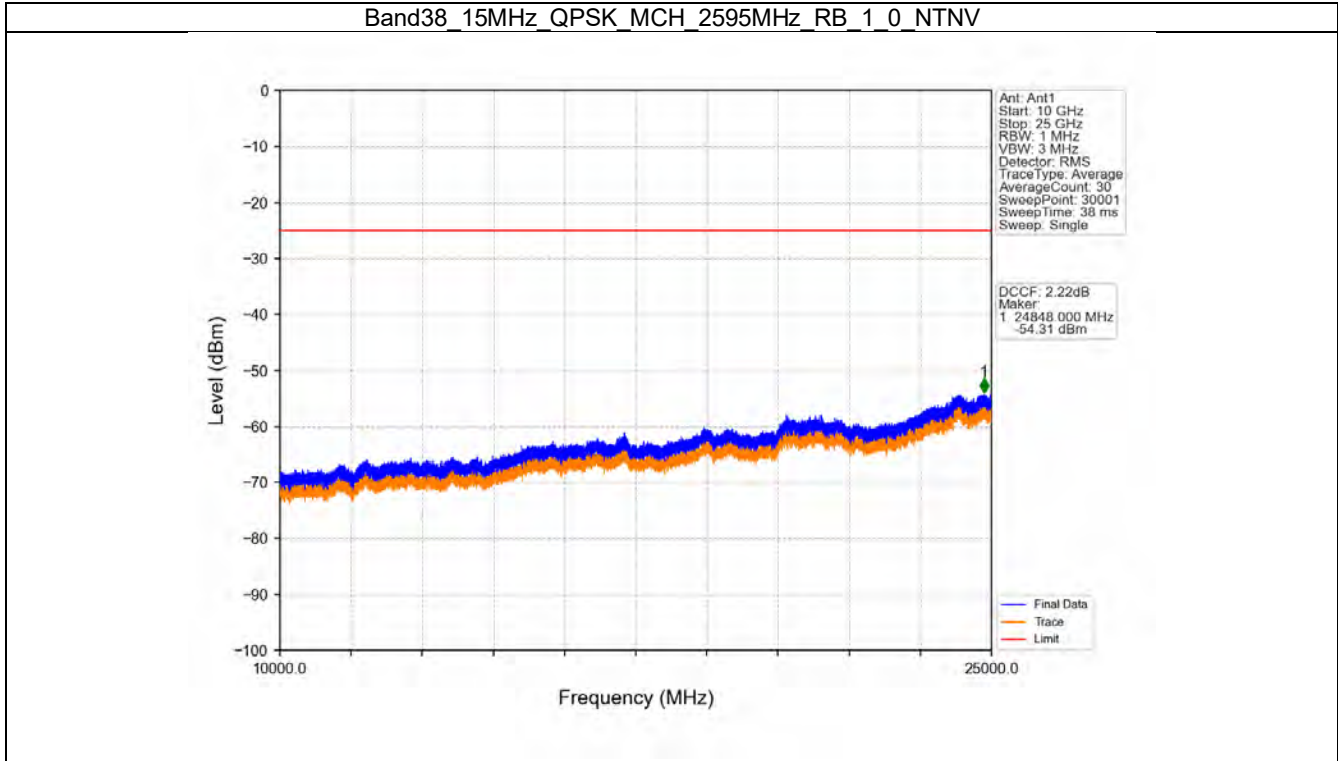


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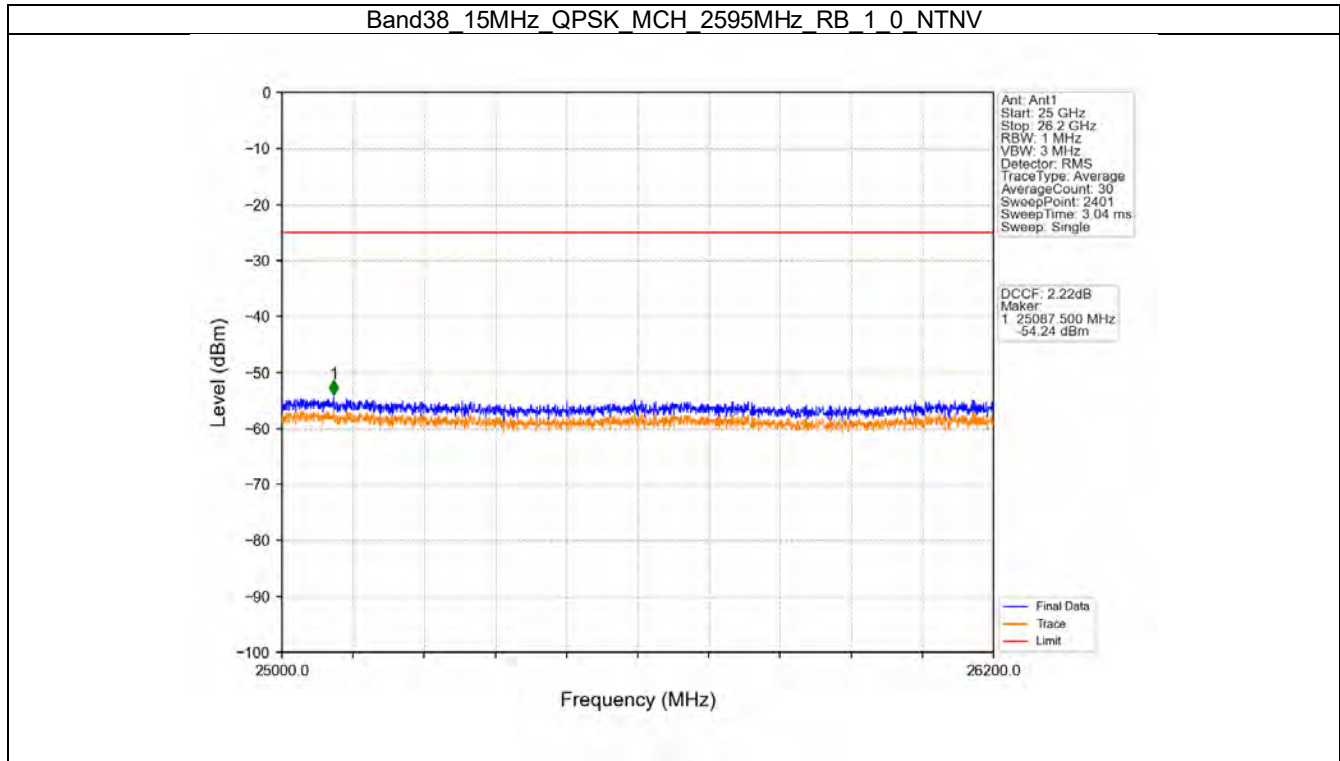


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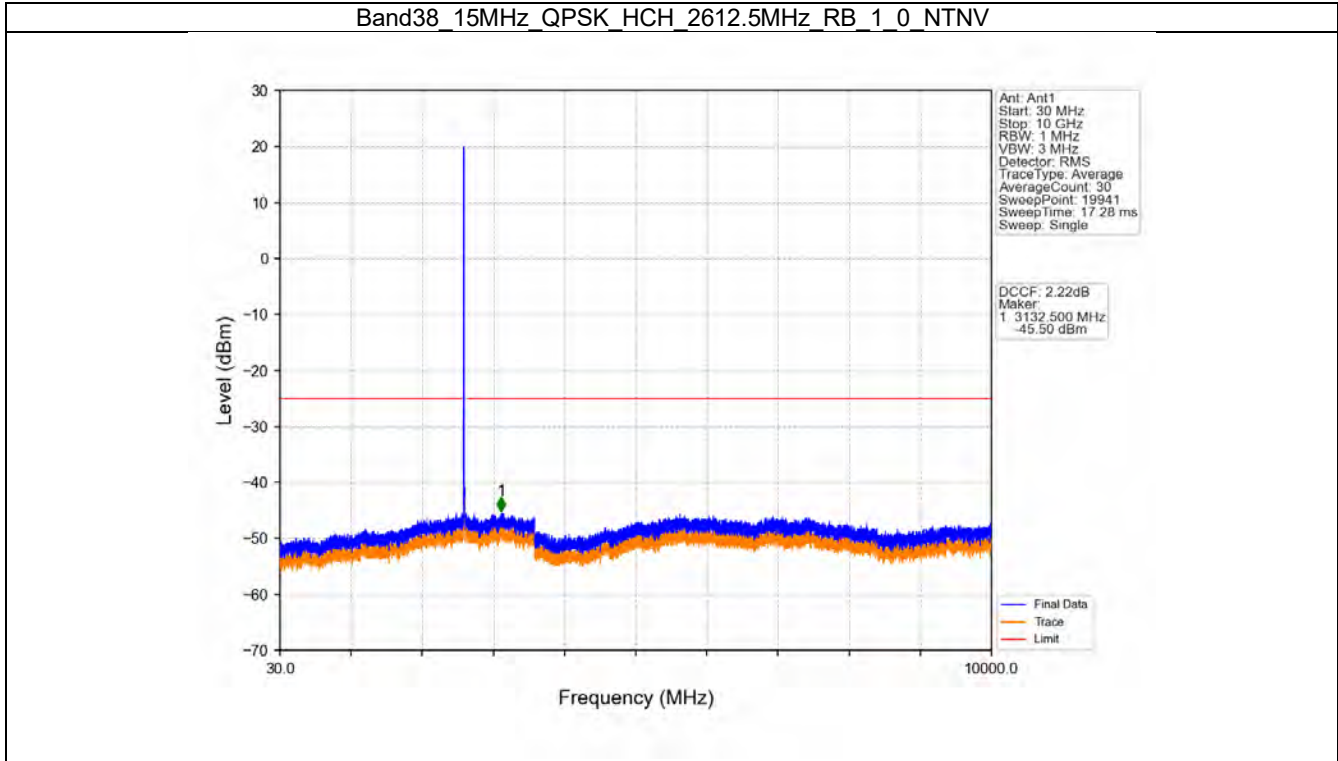


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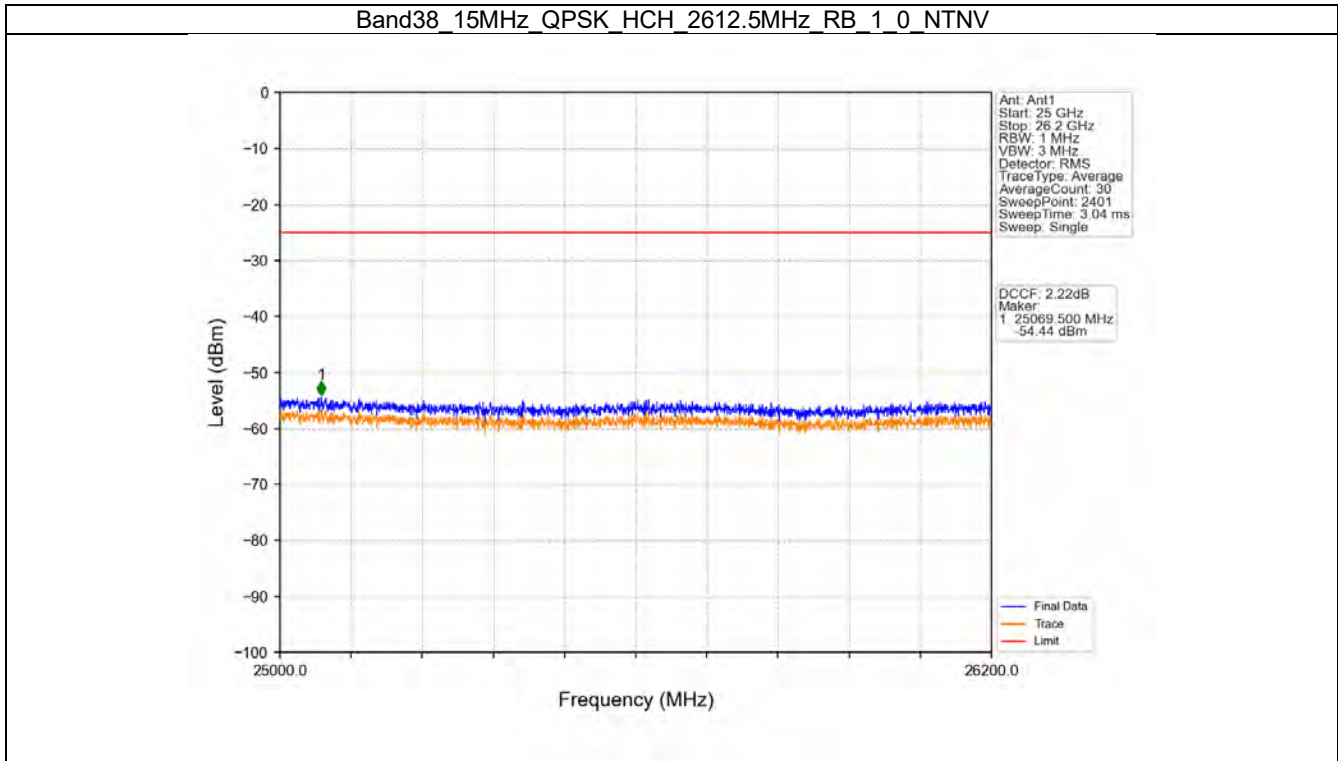


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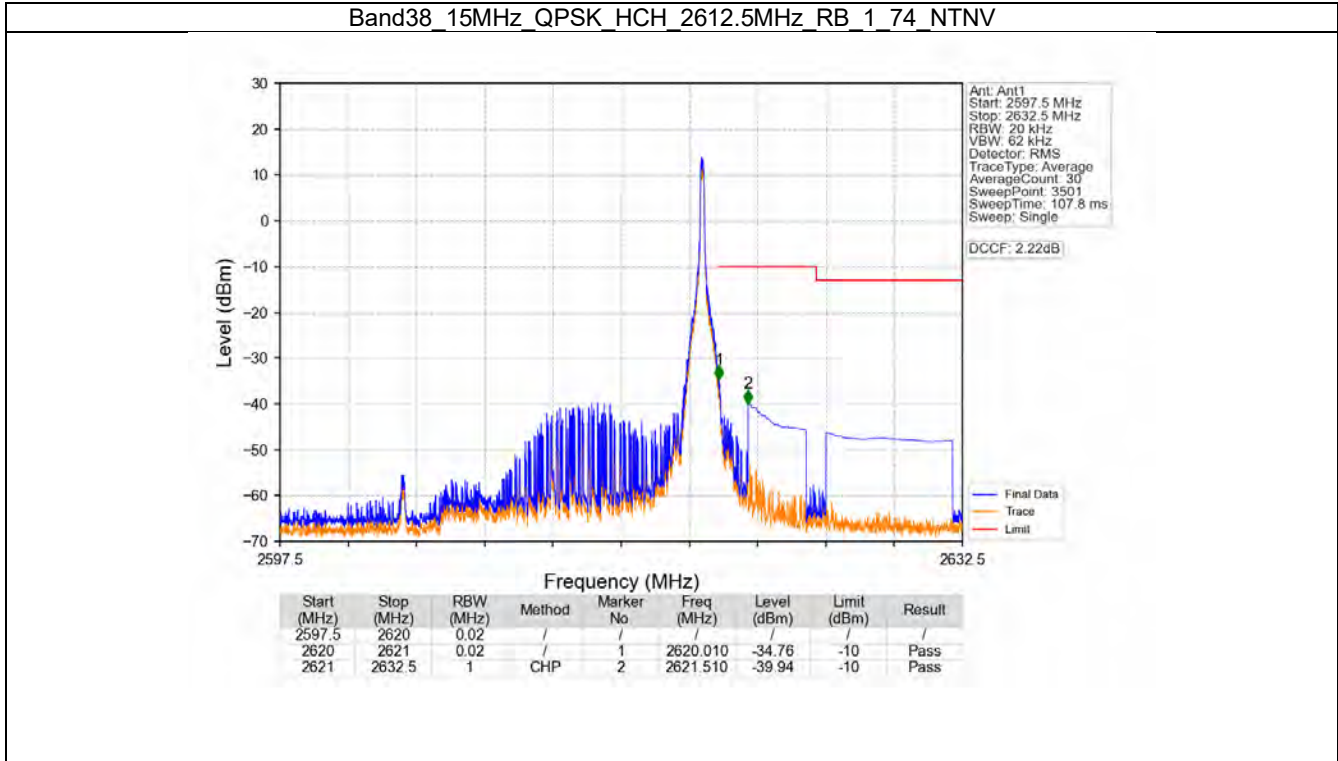


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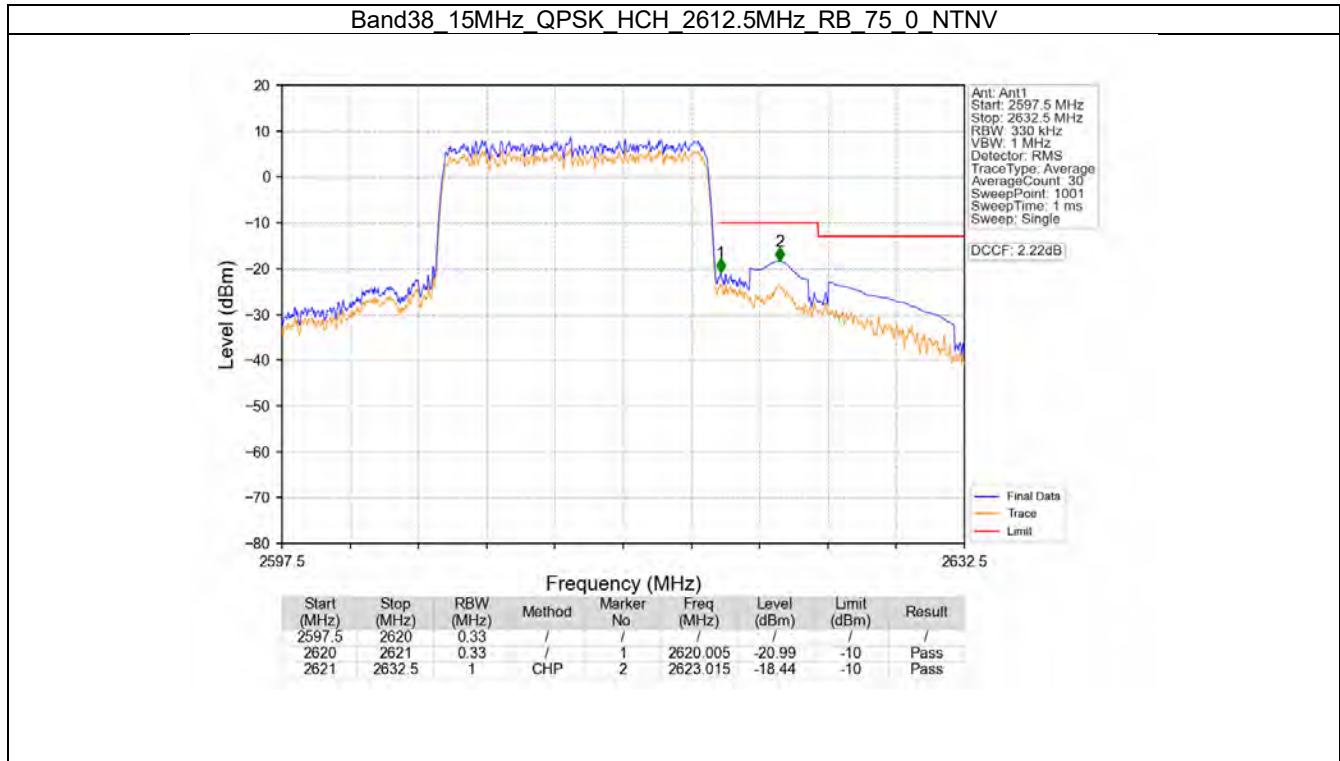


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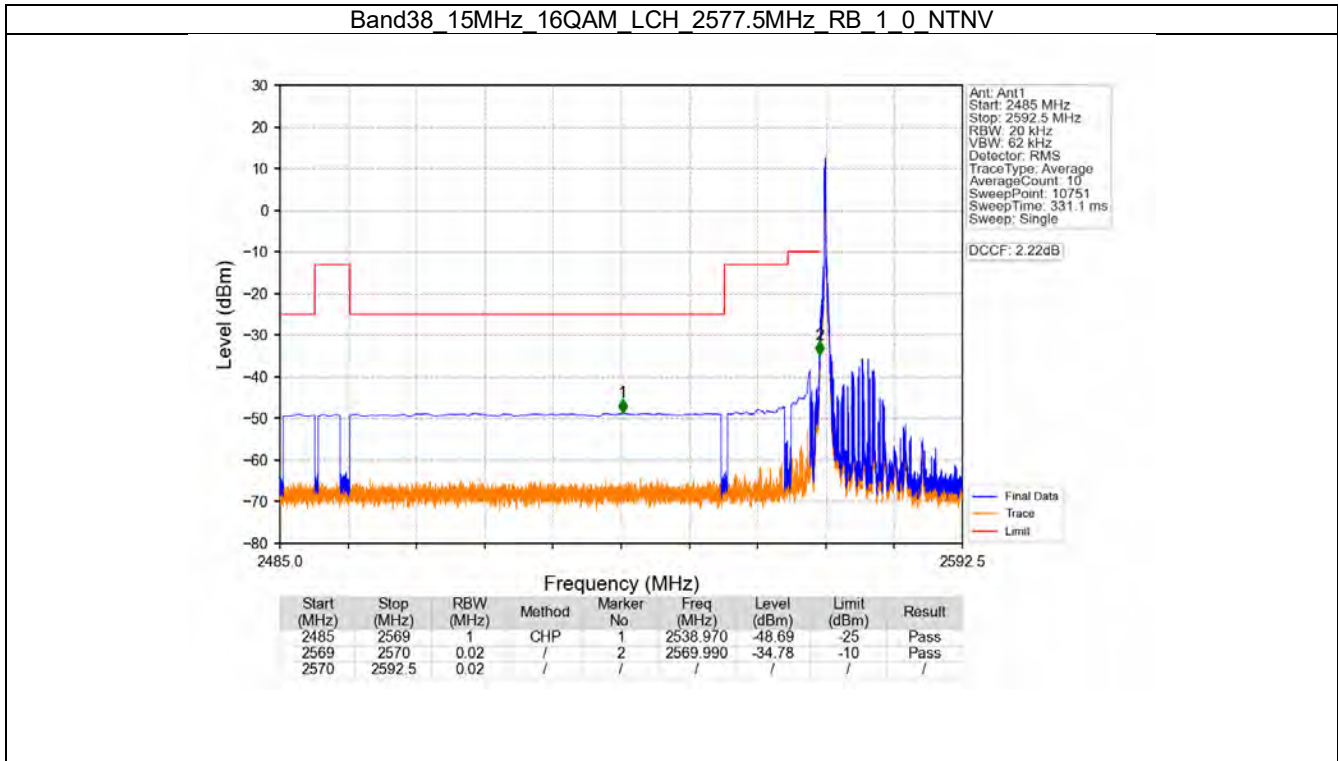


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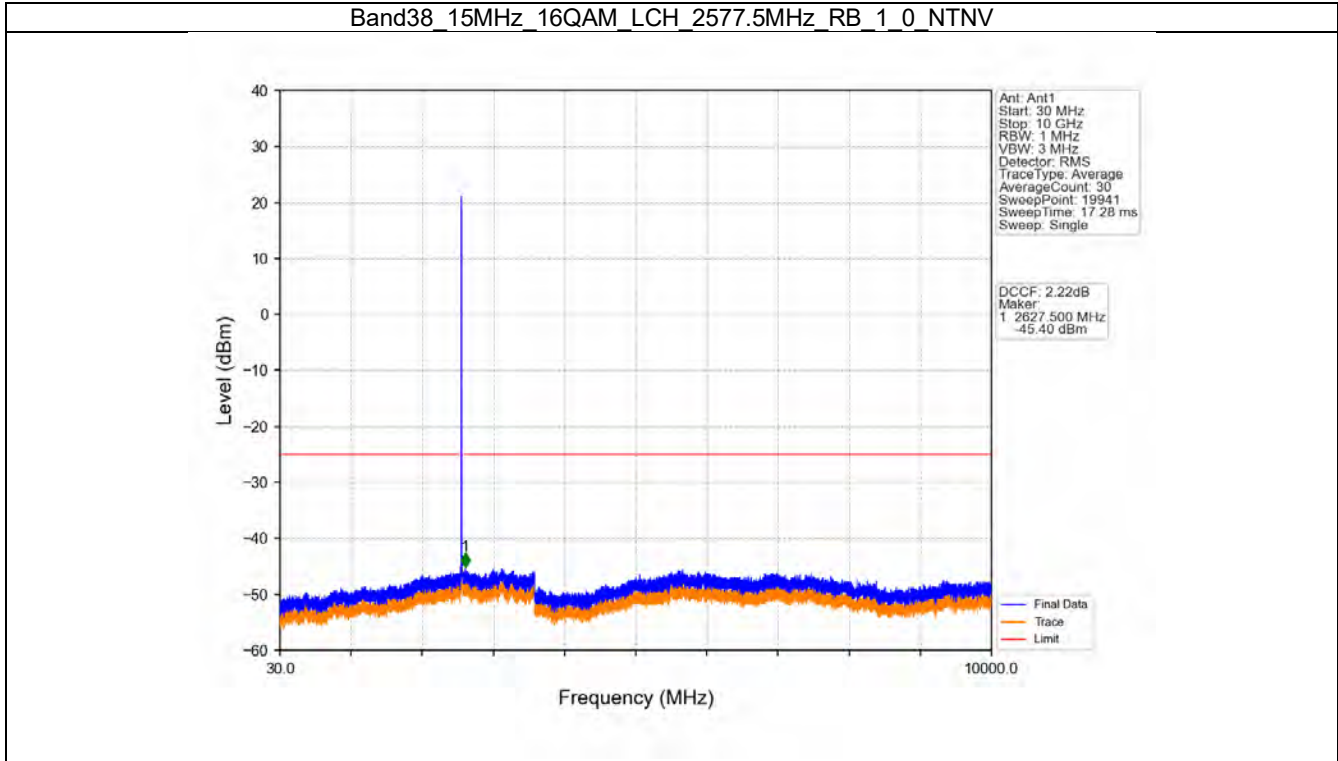


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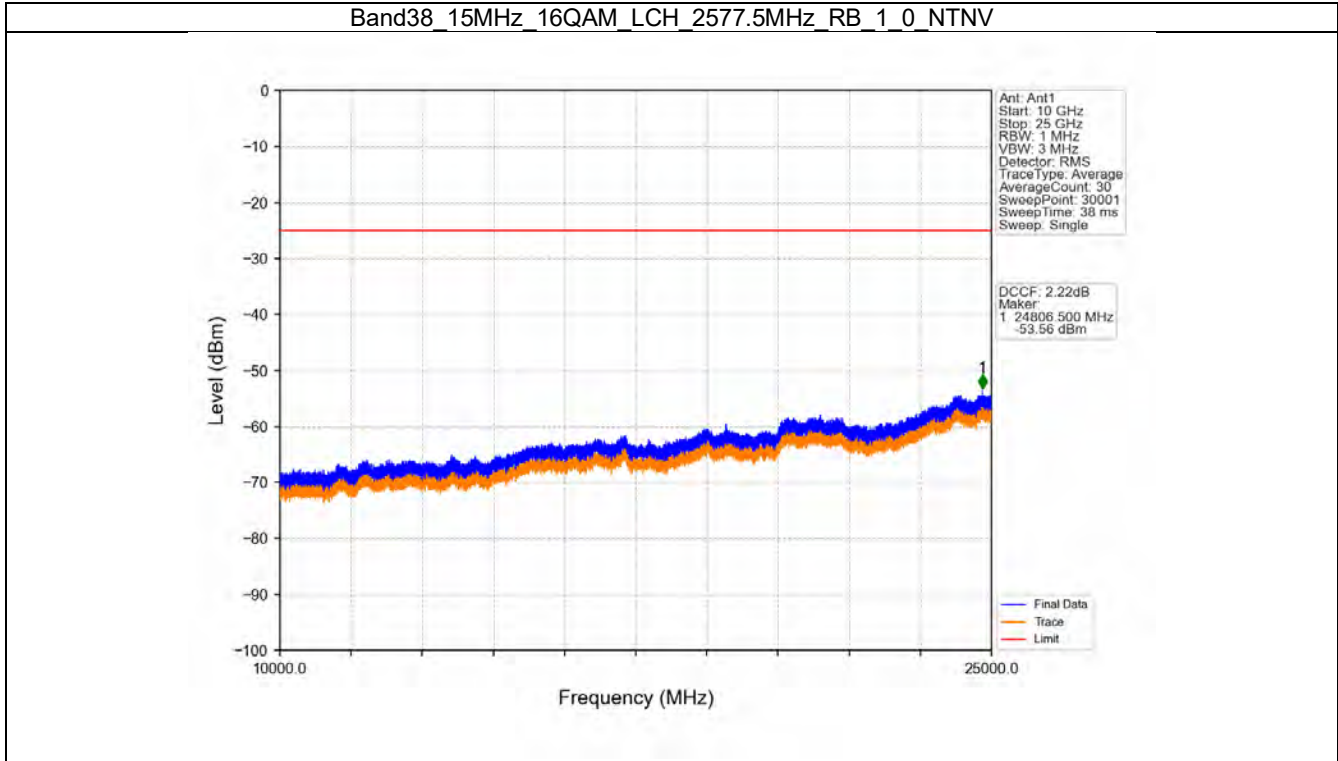


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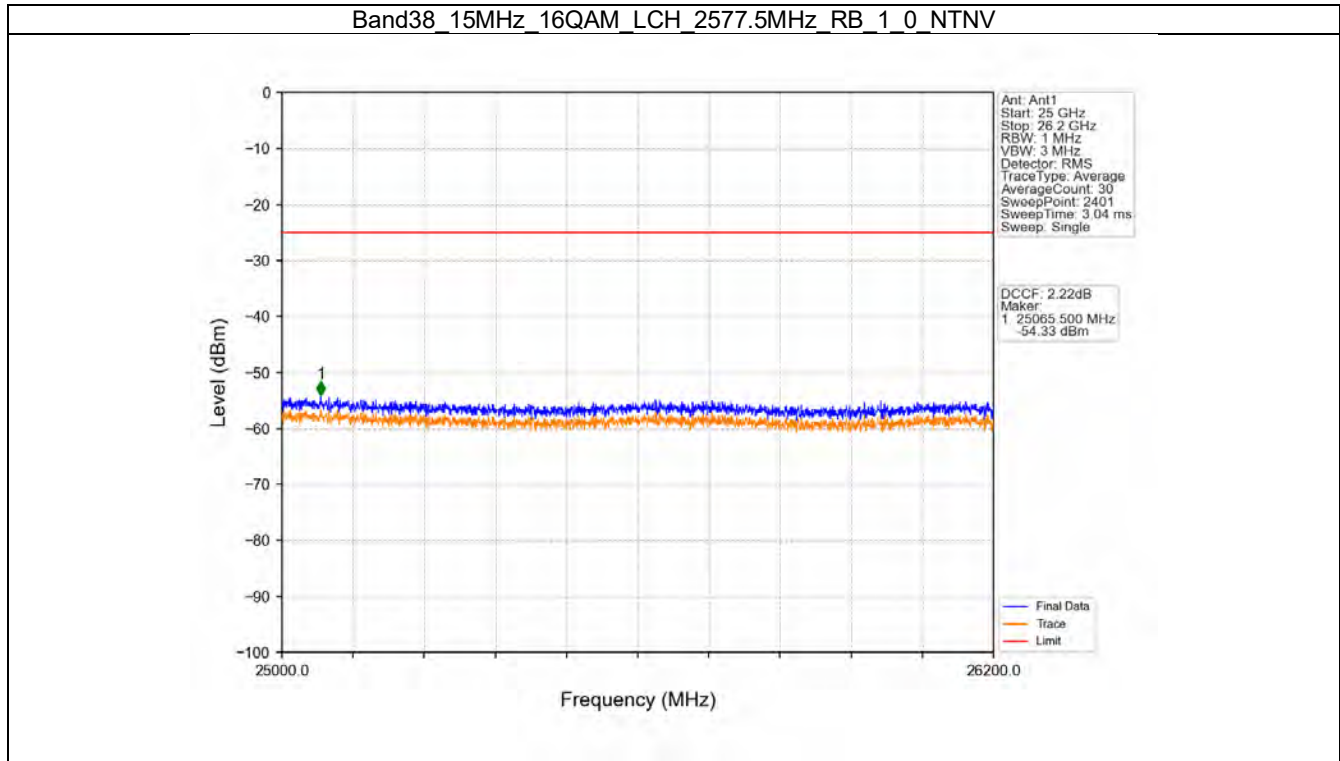


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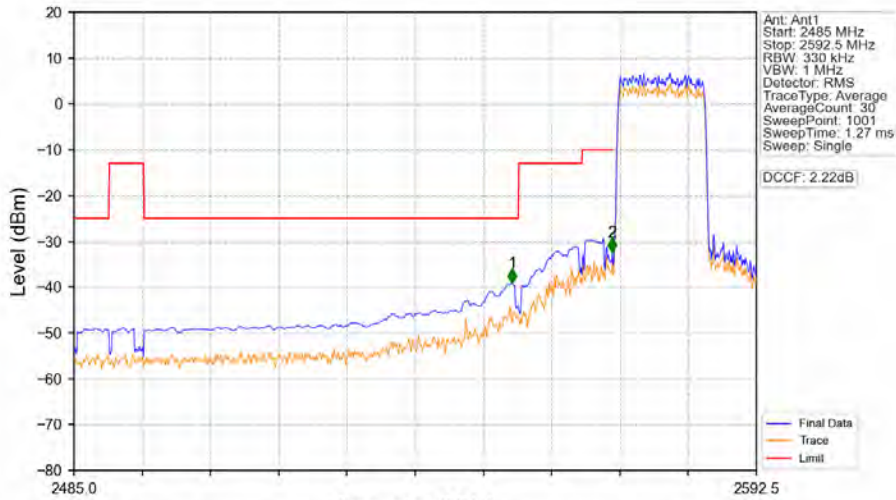
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Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2554.015	-39.15	-25	Pass
2569	2570	0.33	/	2	2569.818	-32.38	-10	Pass
2570	2592.5	0.33	/	/	/	/	/	/



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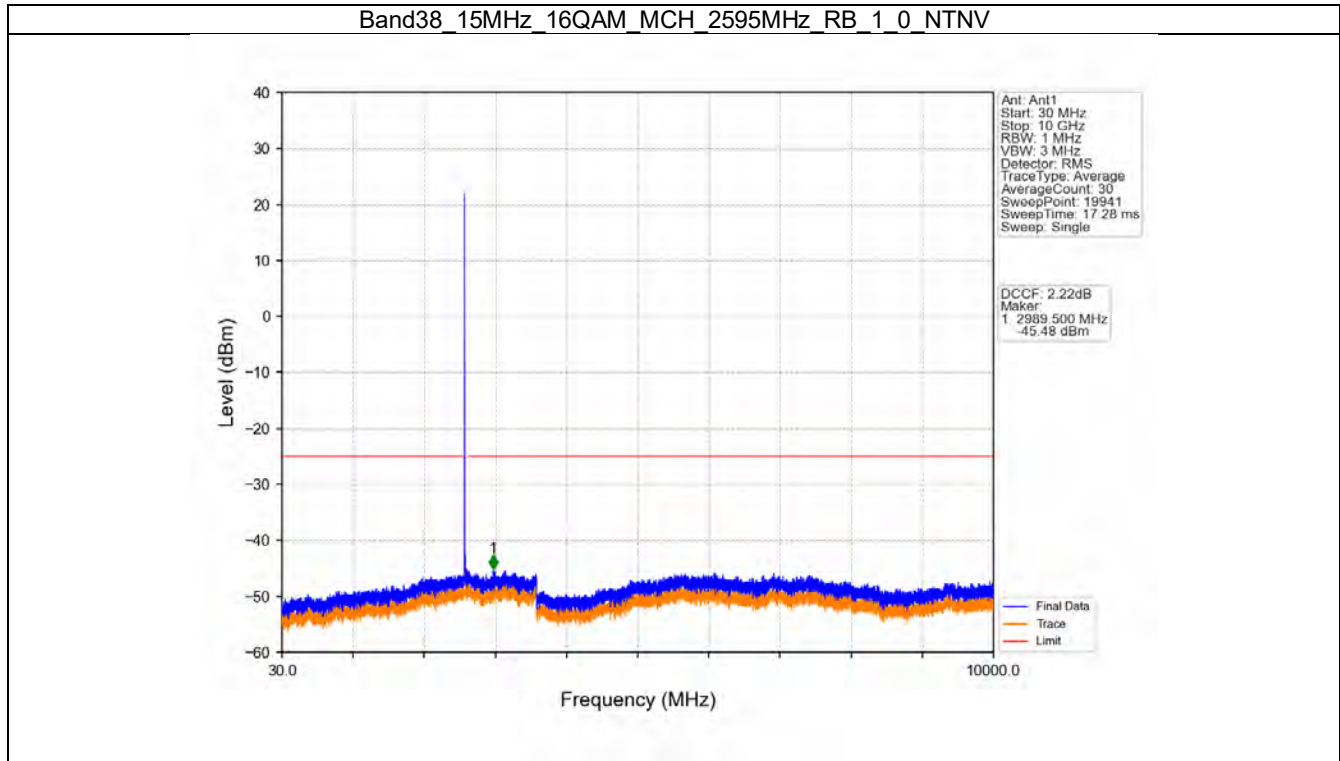


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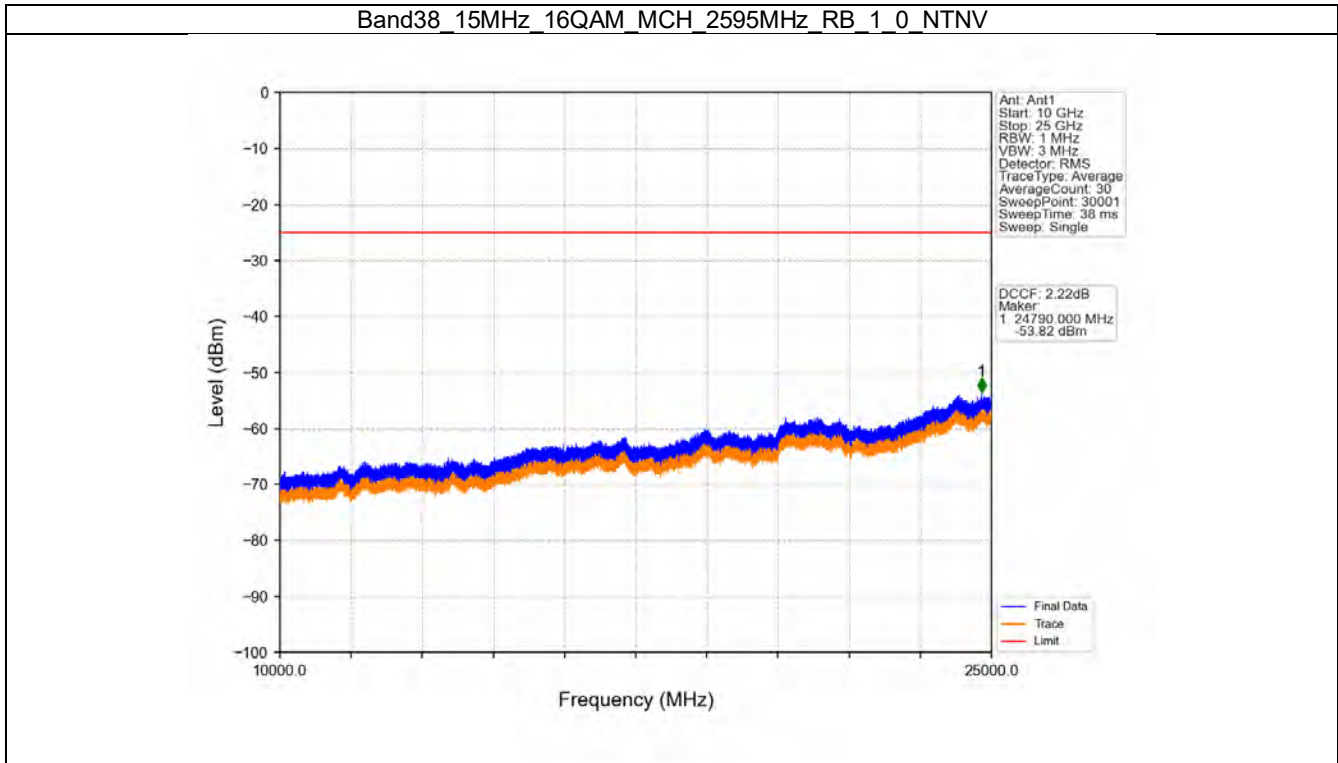


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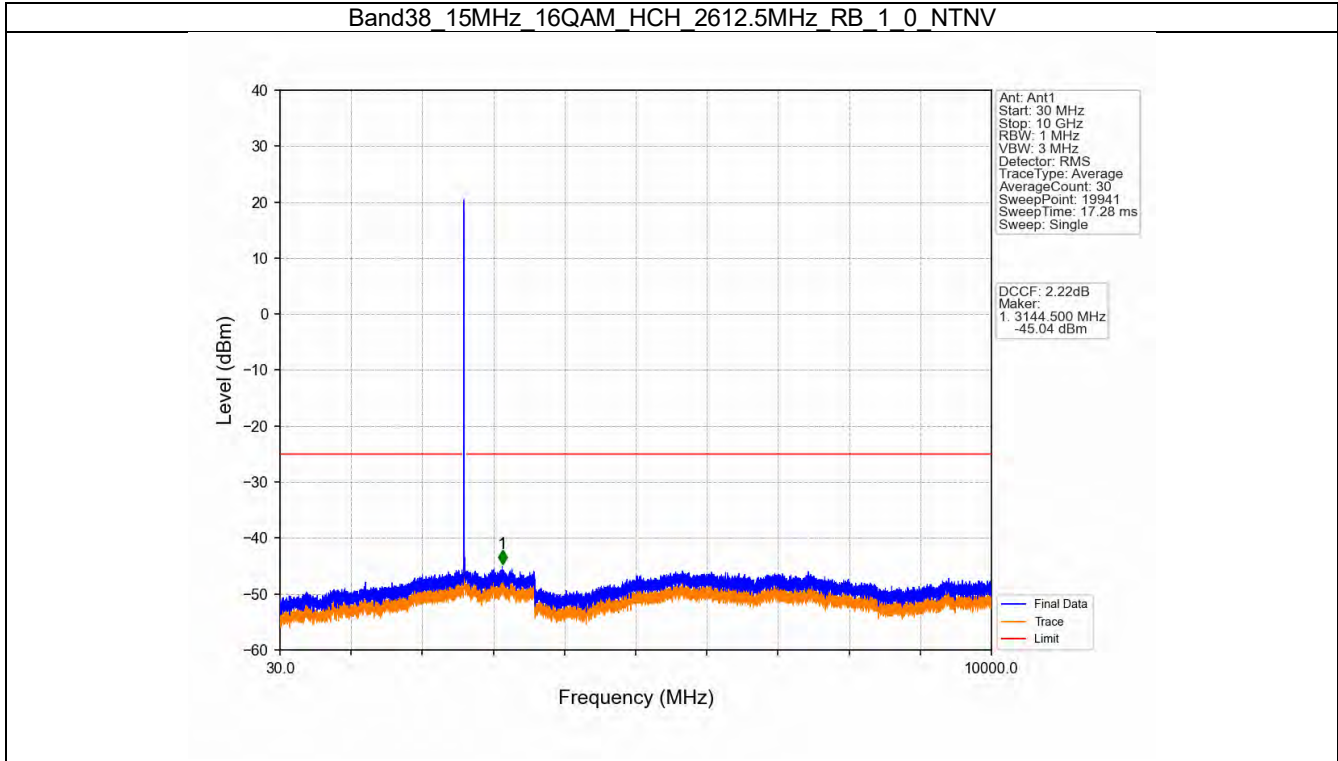


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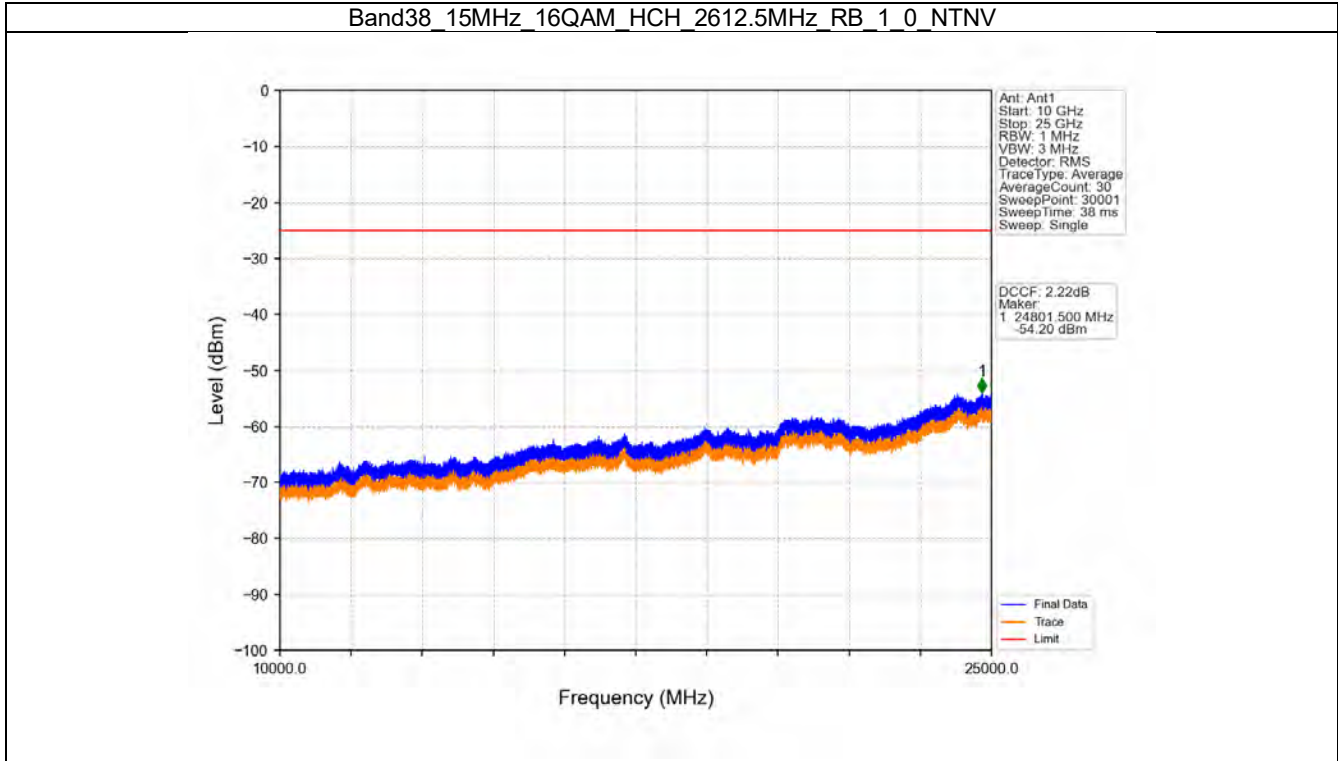


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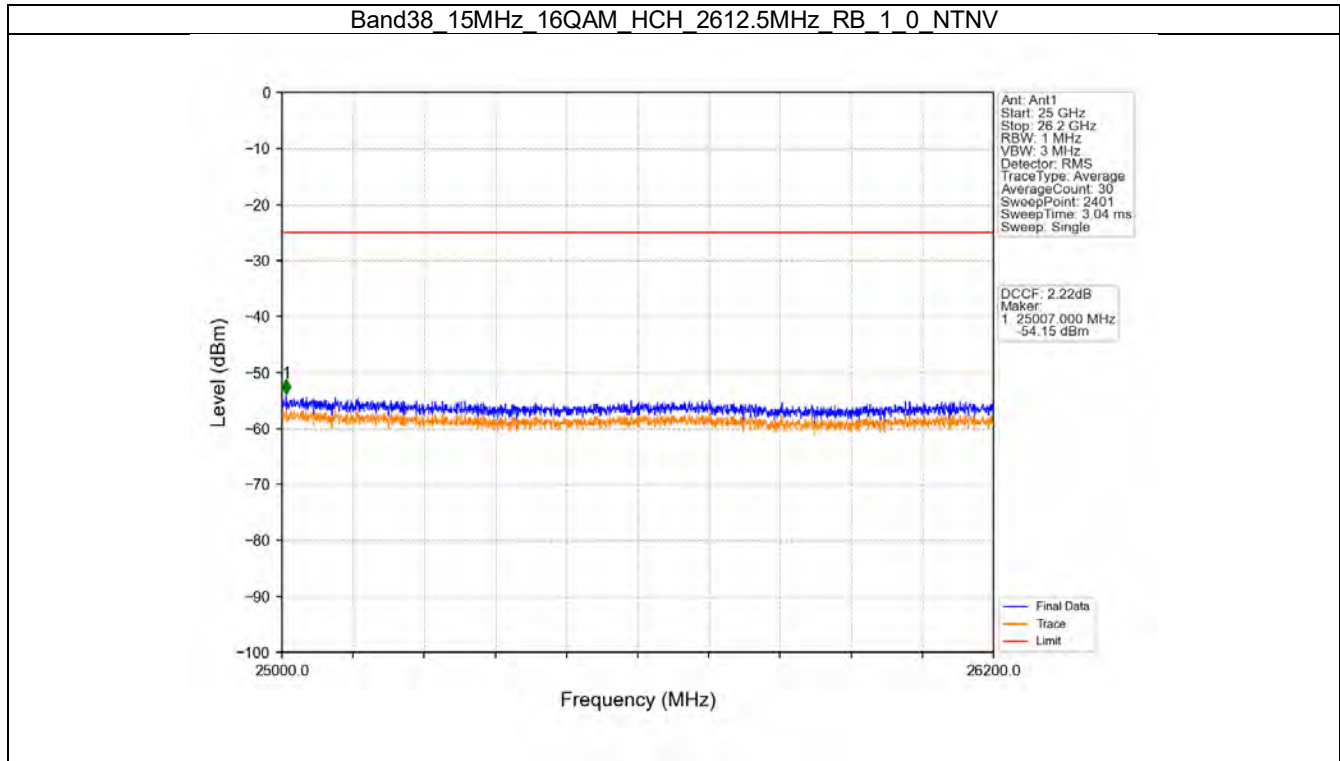


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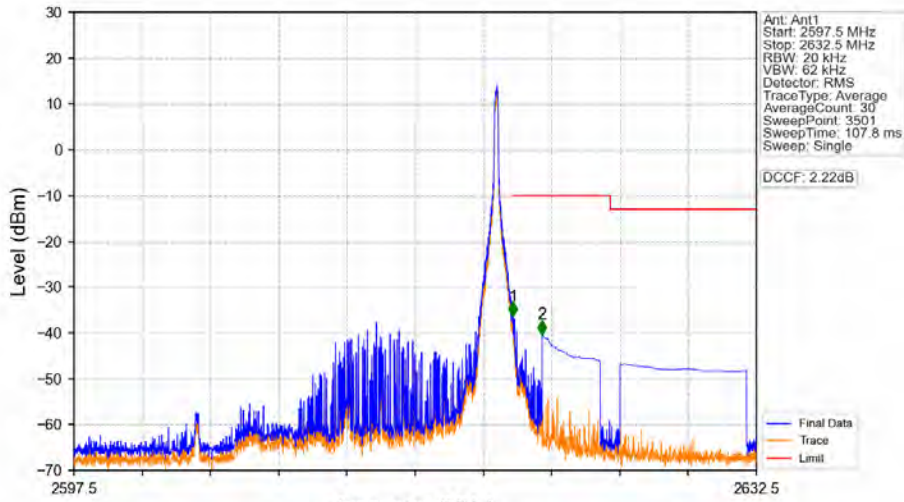
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Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.02	/	/	/	/	/	/
2620	2621	0.02	/	1	2620.020	-36.33	-10	Pass
2621	2632.5	1	CHP	2	2621.510	-40.30	-10	Pass



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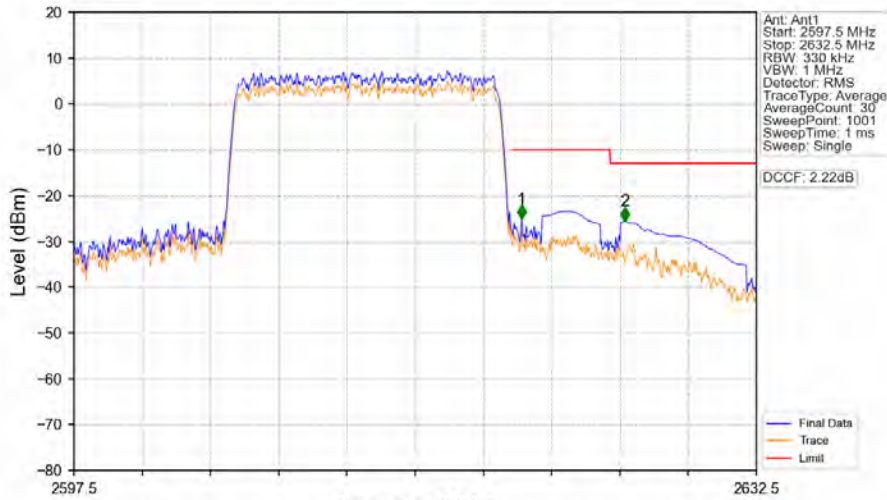
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Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.33	/	/	/	/	/	/
2620	2621	0.33	/	1	2620.460	-25.18	-10	Pass
2621	2632.5	1	CHP	2	2625.745	-25.62	-13	Pass



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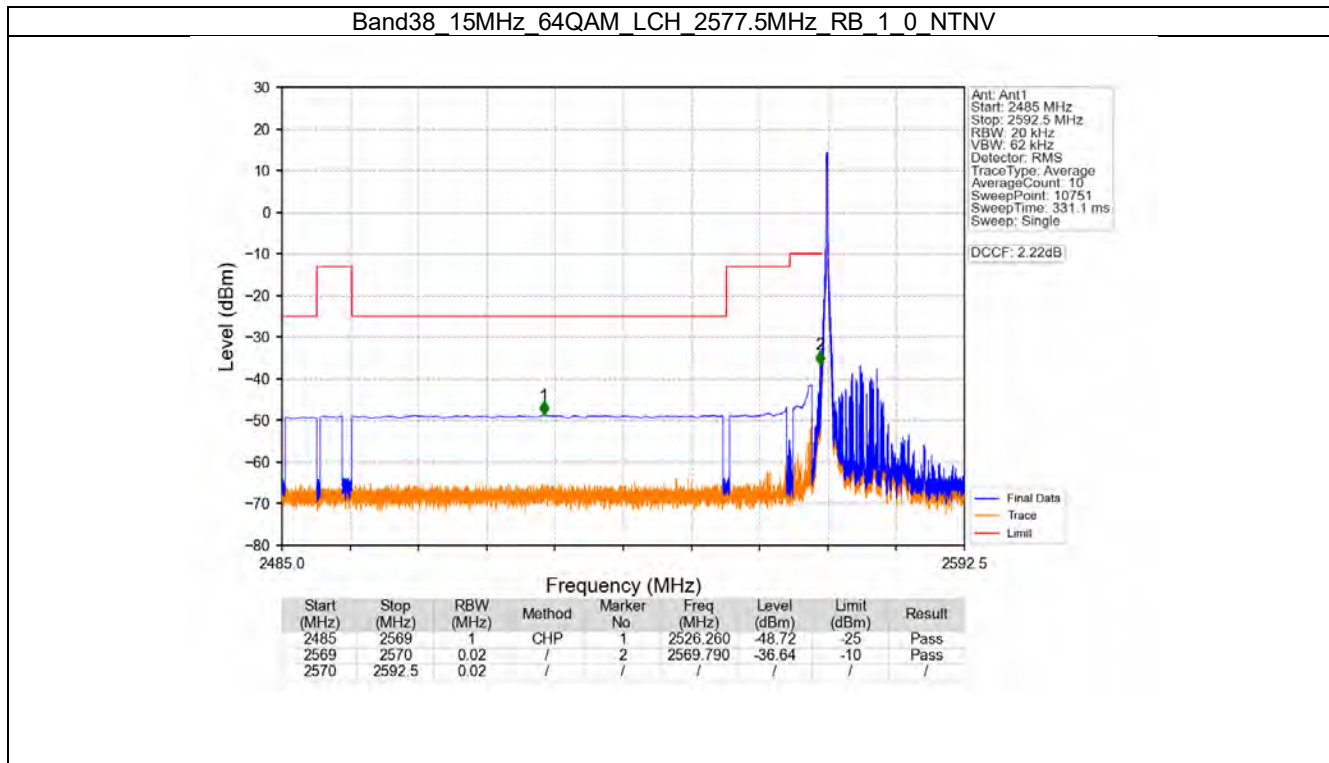
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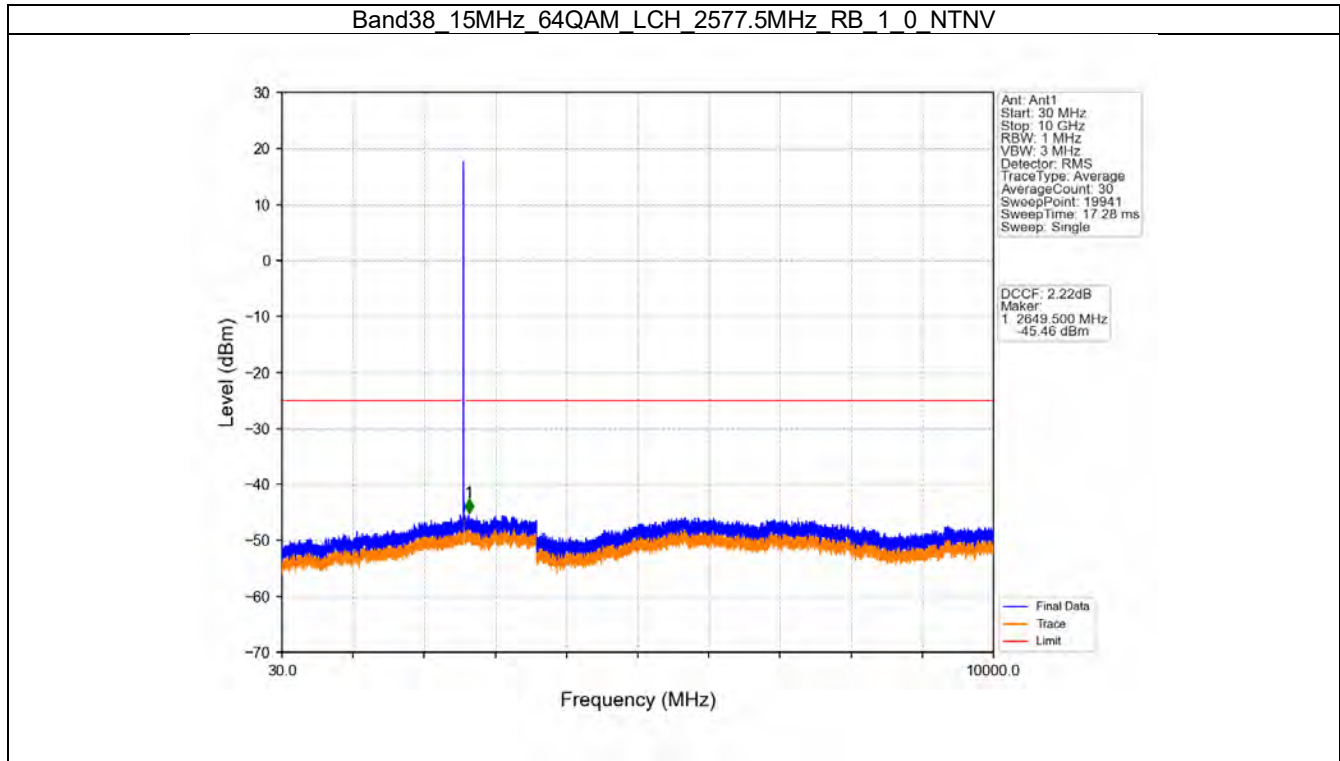


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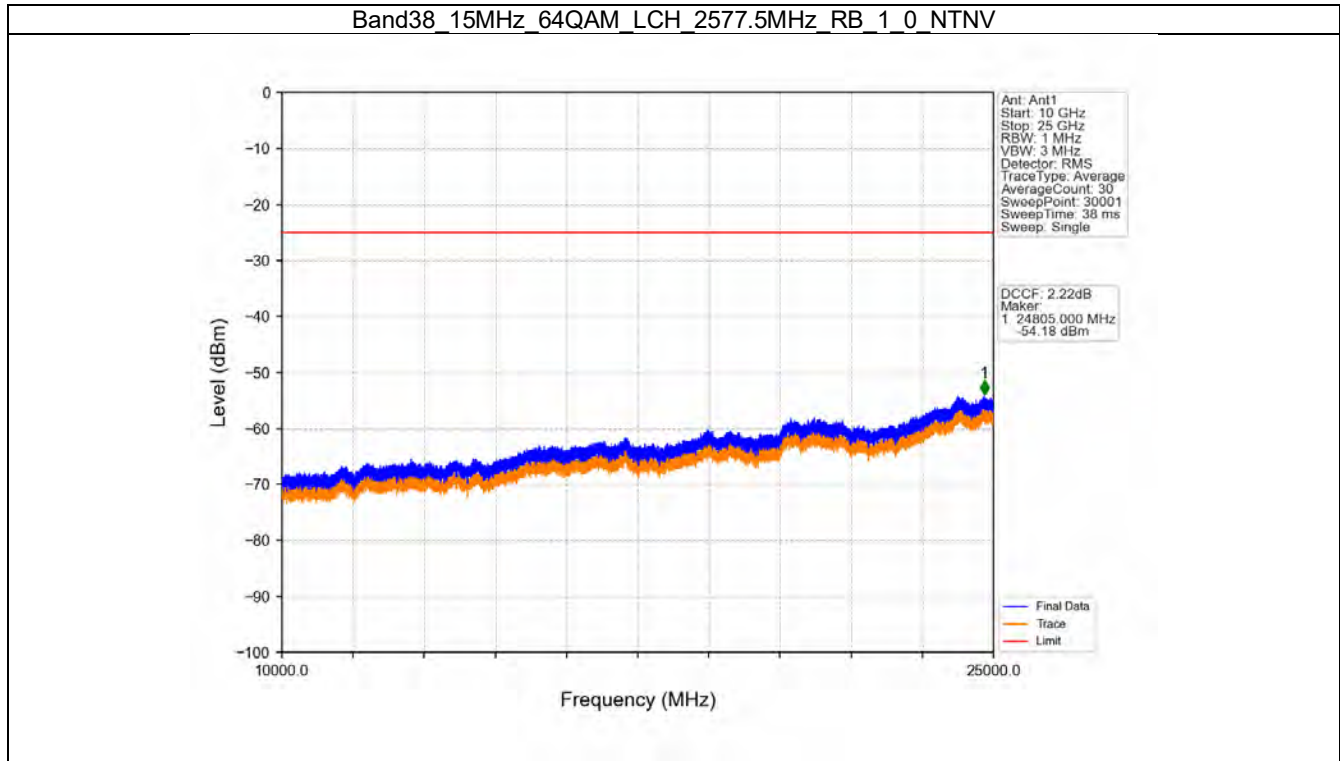


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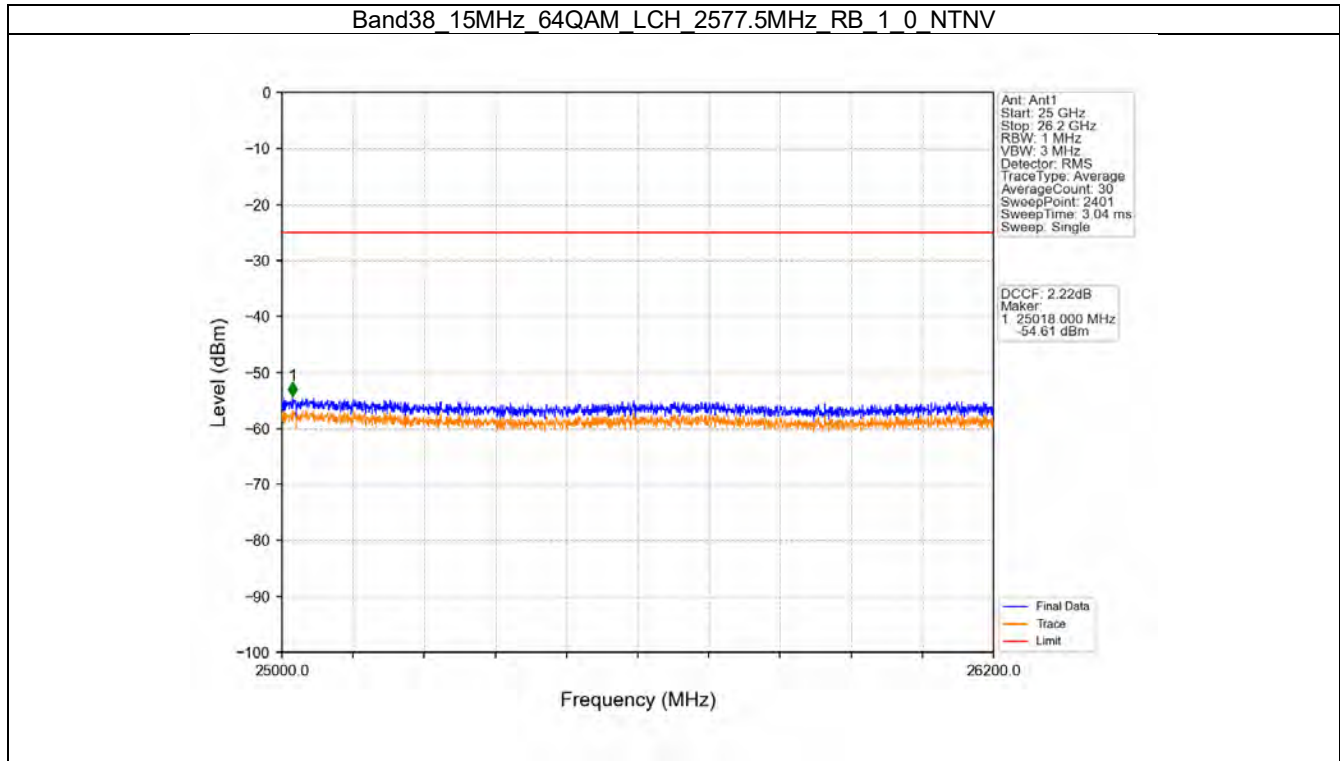


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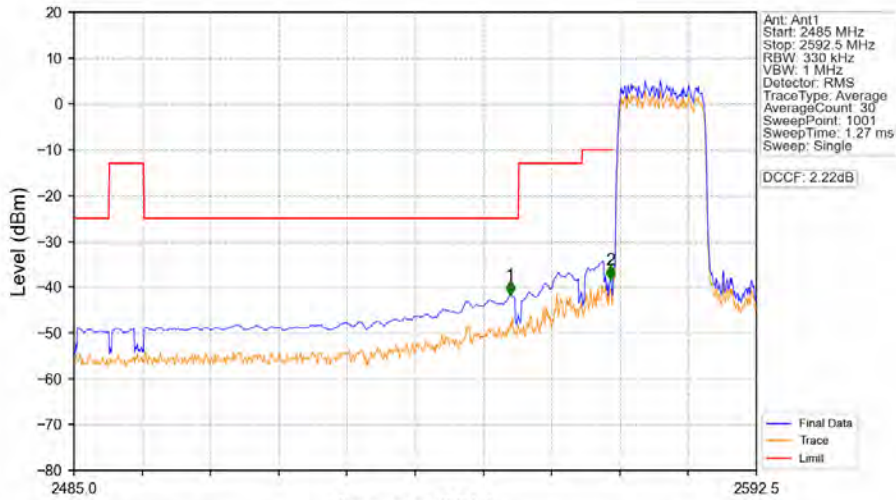
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Band38\_15MHz\_64QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2553.693	-41.78	-25	Pass
2569	2570	0.33	/	2	2569.495	-38.33	-10	Pass
2570	2592.5	0.33	/	/	/	/	/	/



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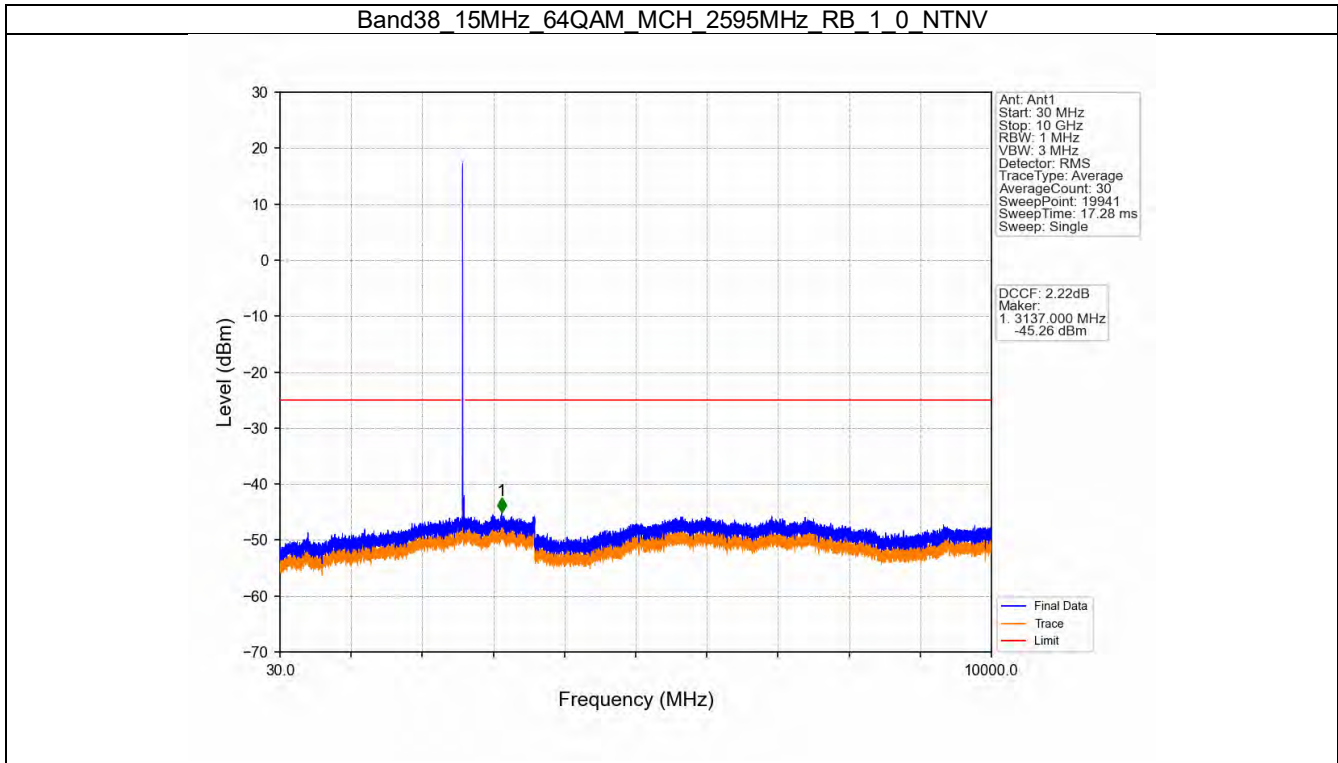


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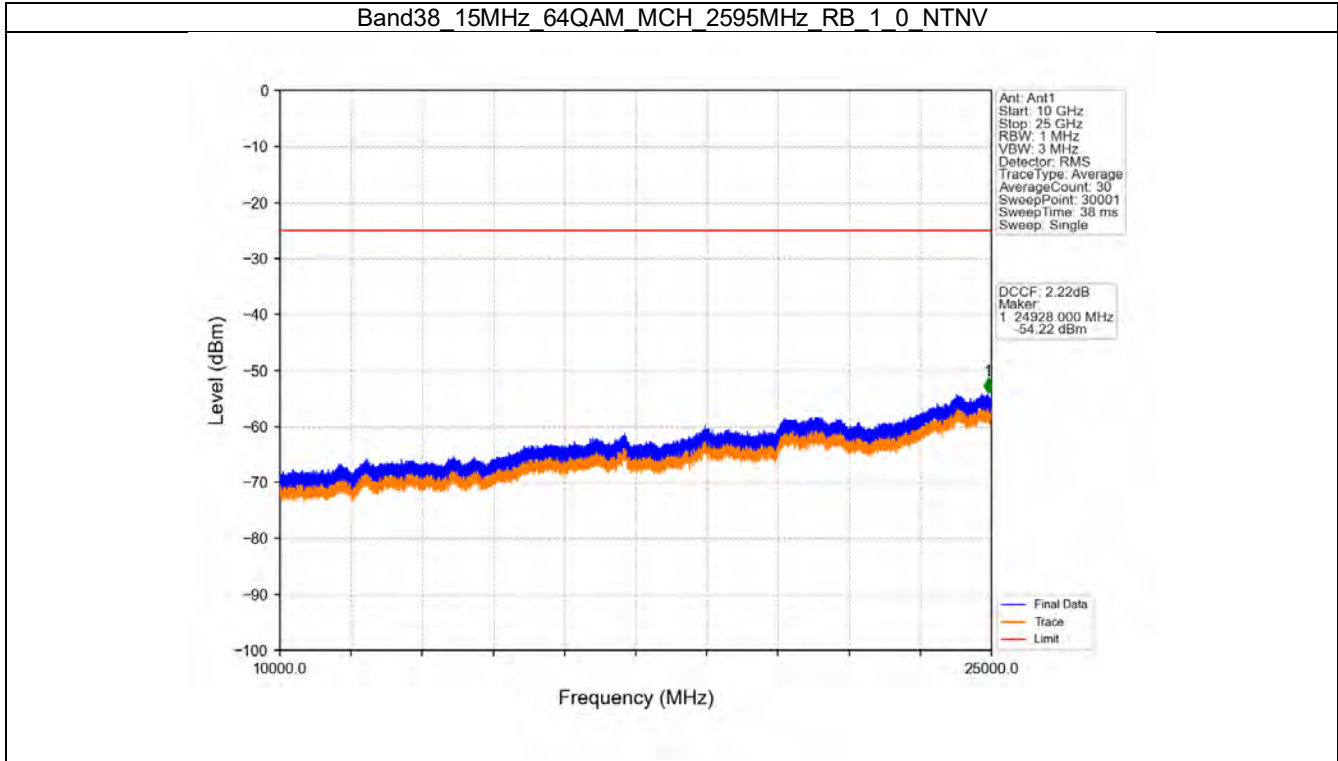


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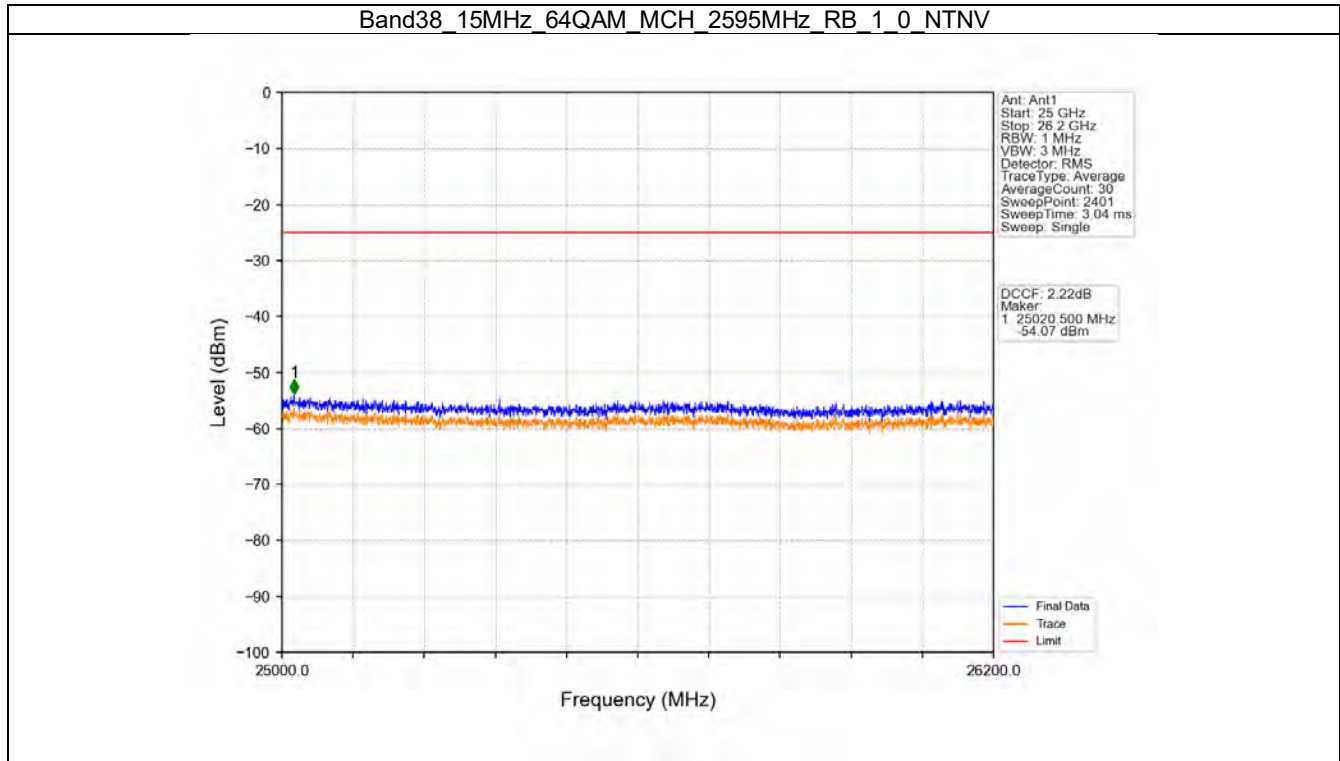


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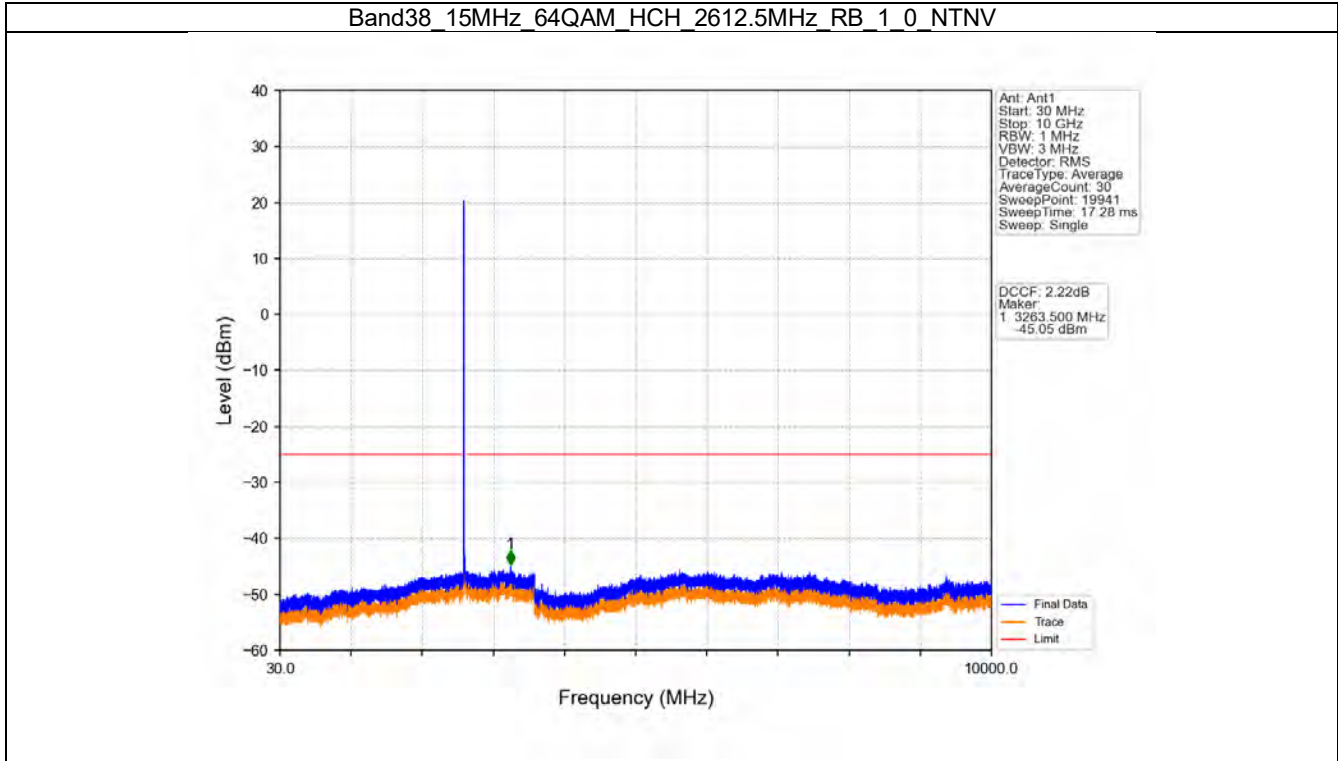


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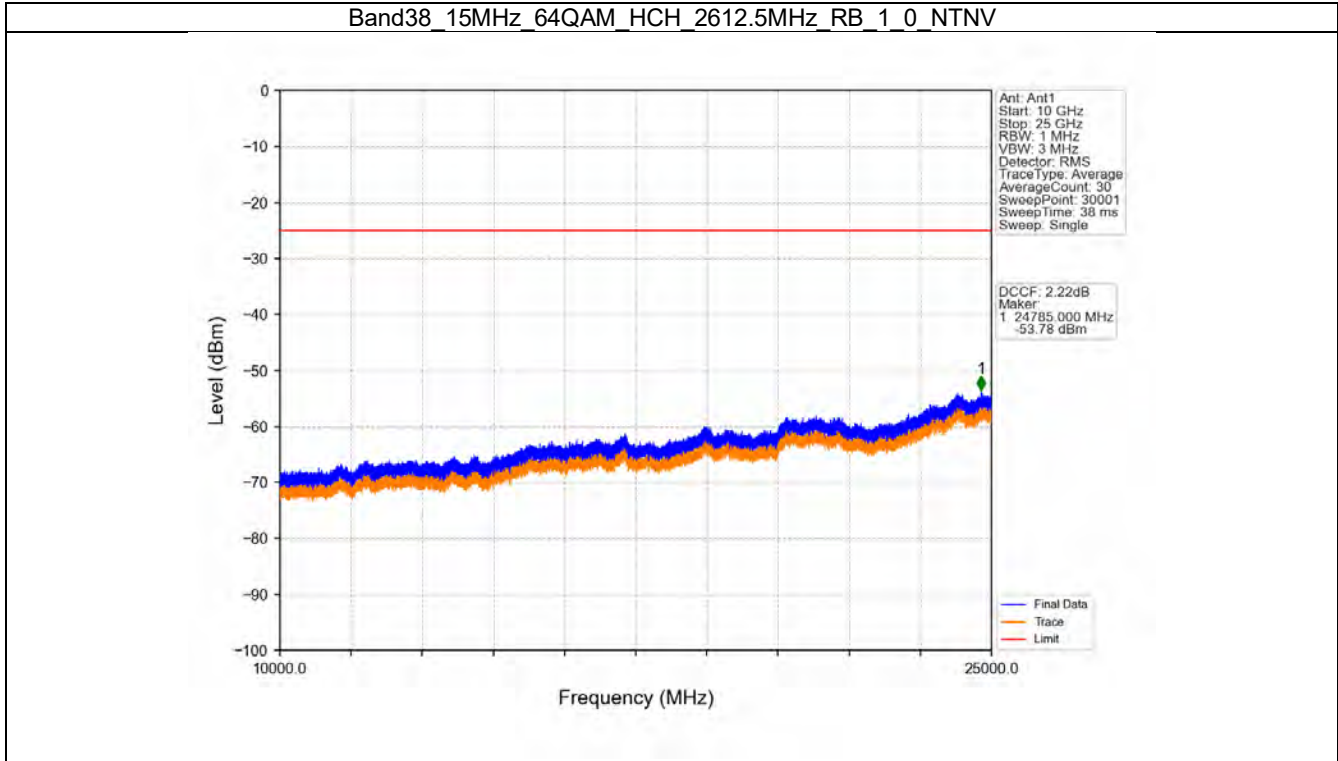


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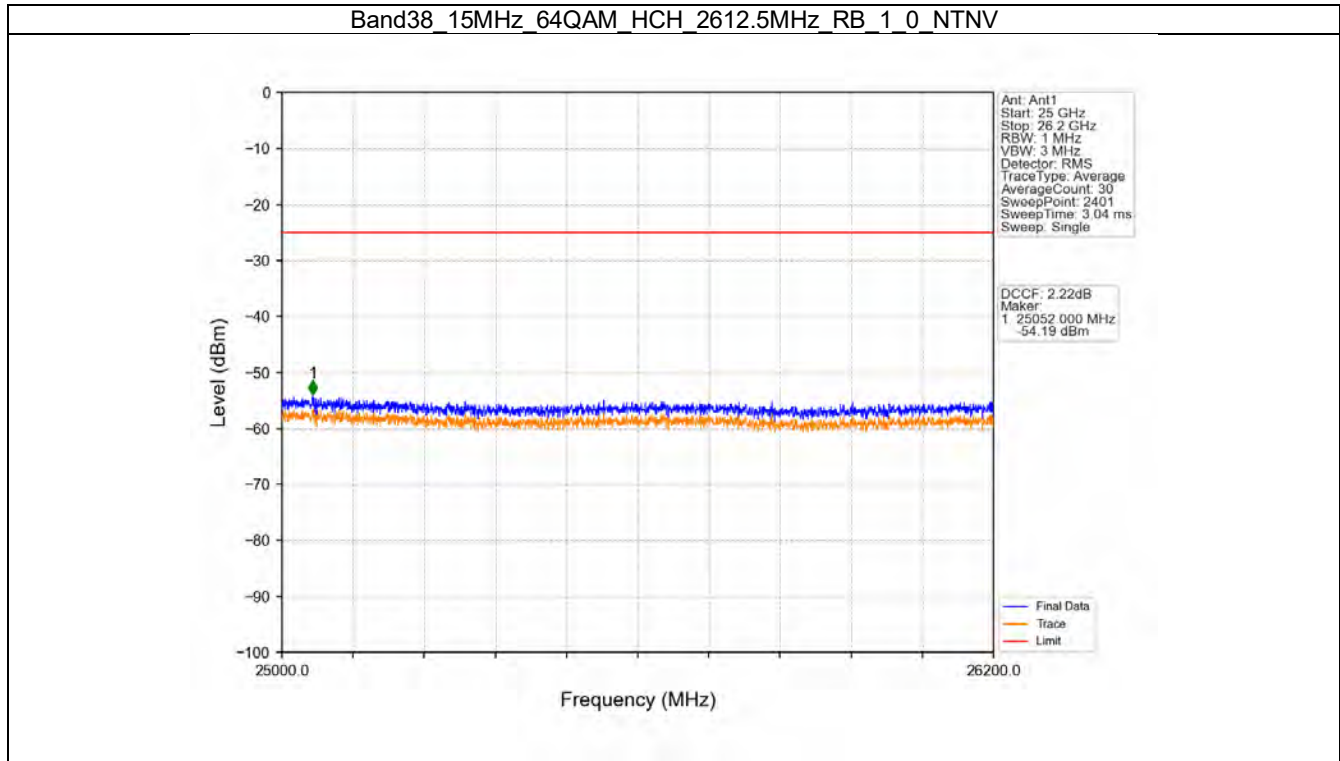


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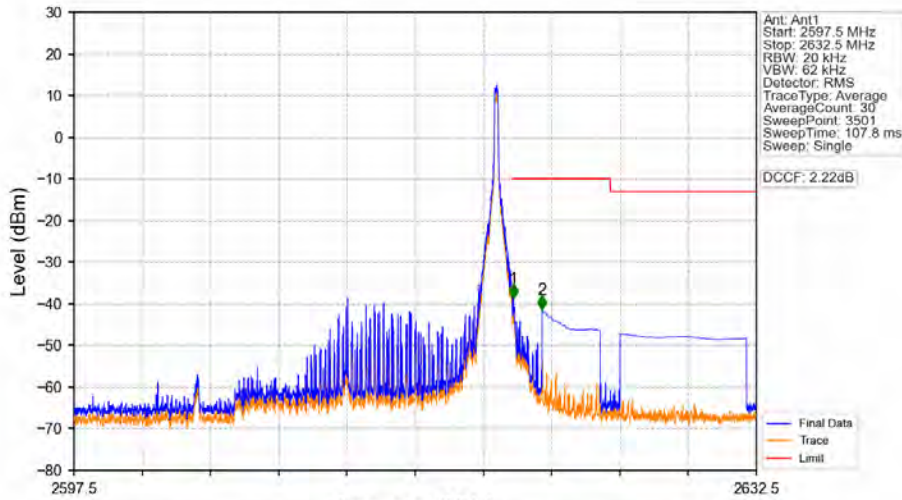
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Band38\_15MHz\_64QAM\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.02	/	/	/	/	/	/
2620	2621	0.02	/	1	2620.040	-38.64	-10	Pass
2621	2632.5	1	CHP	2	2621.510	-41.37	-10	Pass



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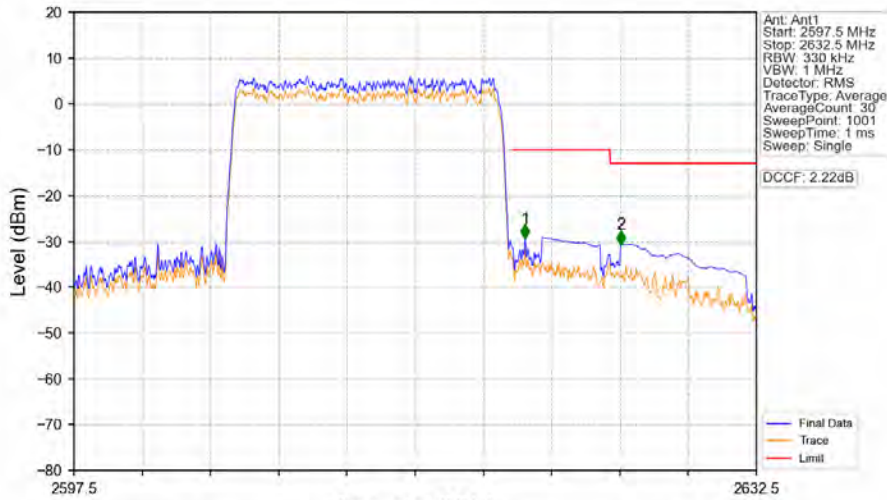
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Band38\_15MHz\_64QAM\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.33	/	/	/	/	/	/
2620	2621	0.33	/	1	2620.635	-29.35	-10	Pass
2621	2632.5	1	CHP	2	2625.570	-30.71	-13	Pass



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## 5.4 B38\_20MHz

### 5.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV						
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
	2610	1	0	Refer To Test Graph		Pass
		1	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
	2610	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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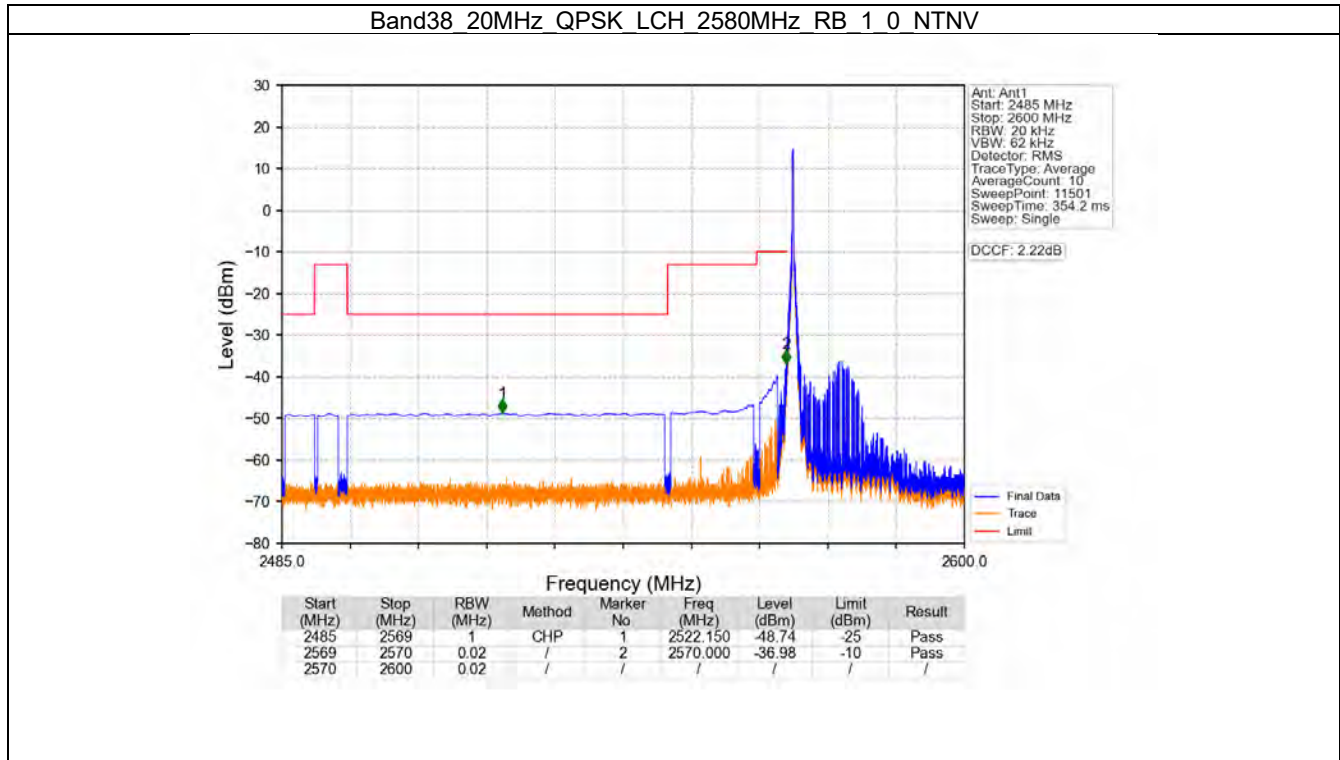
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5.4.2 Test Graph



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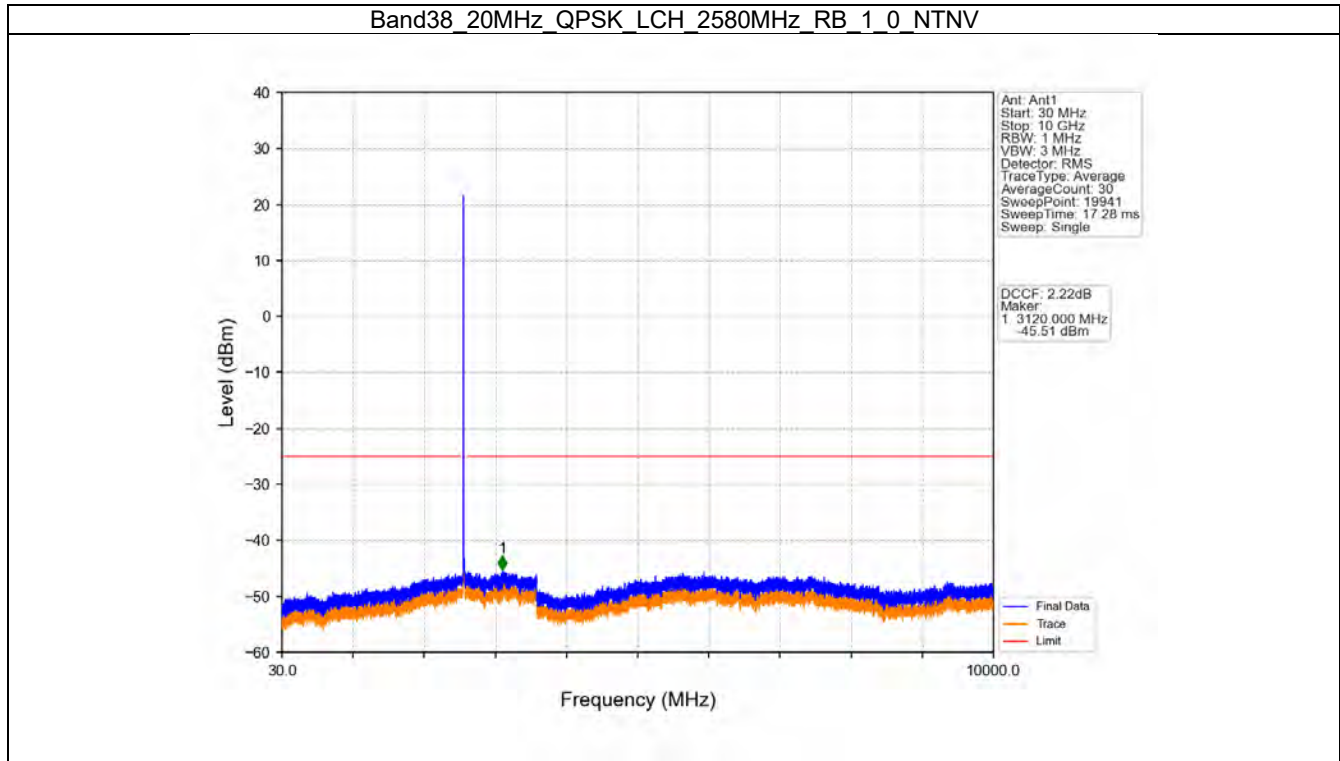


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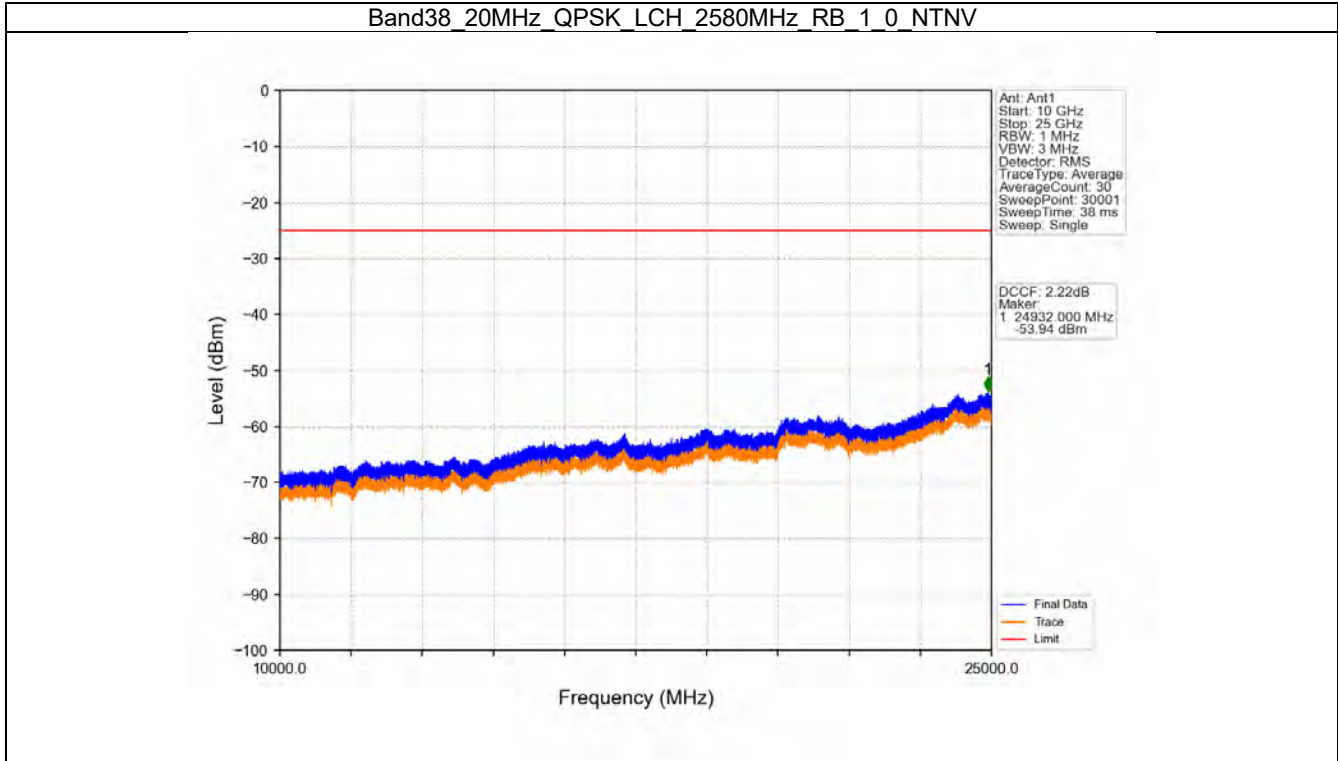


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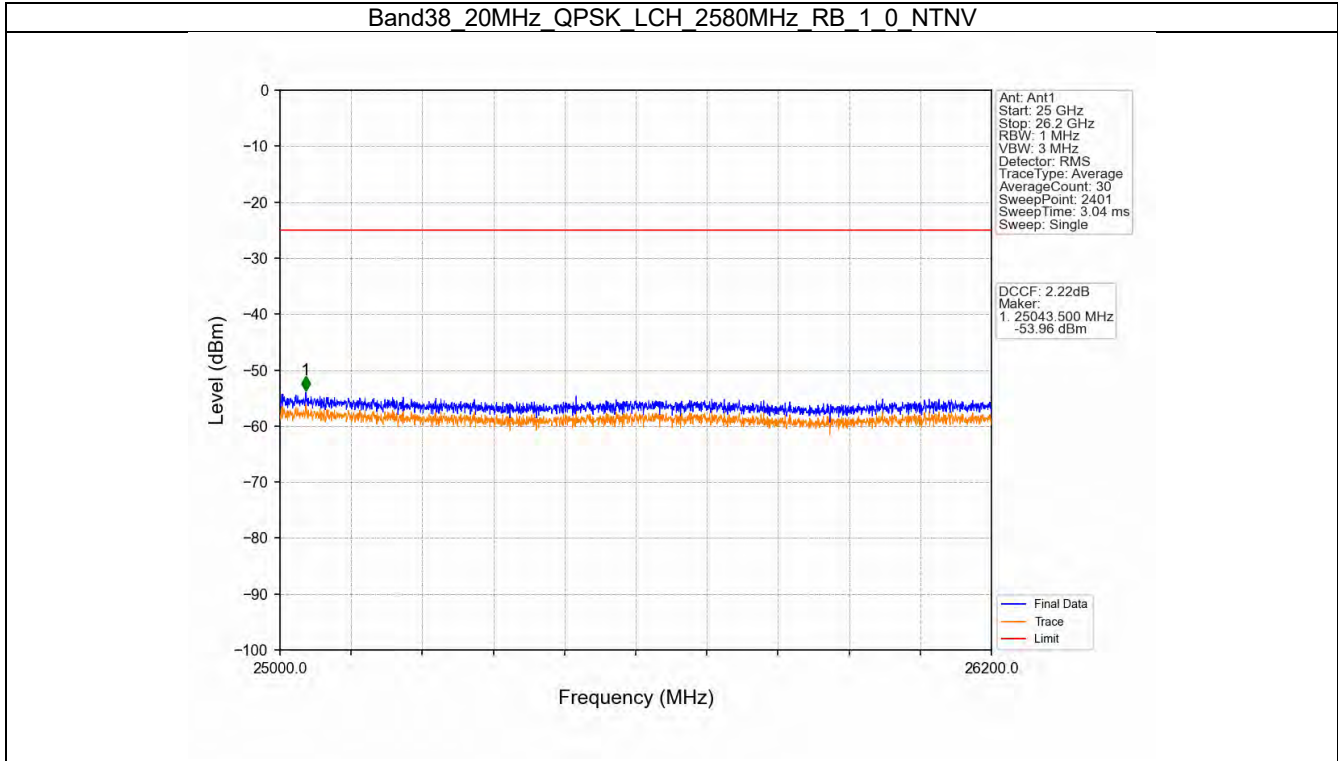


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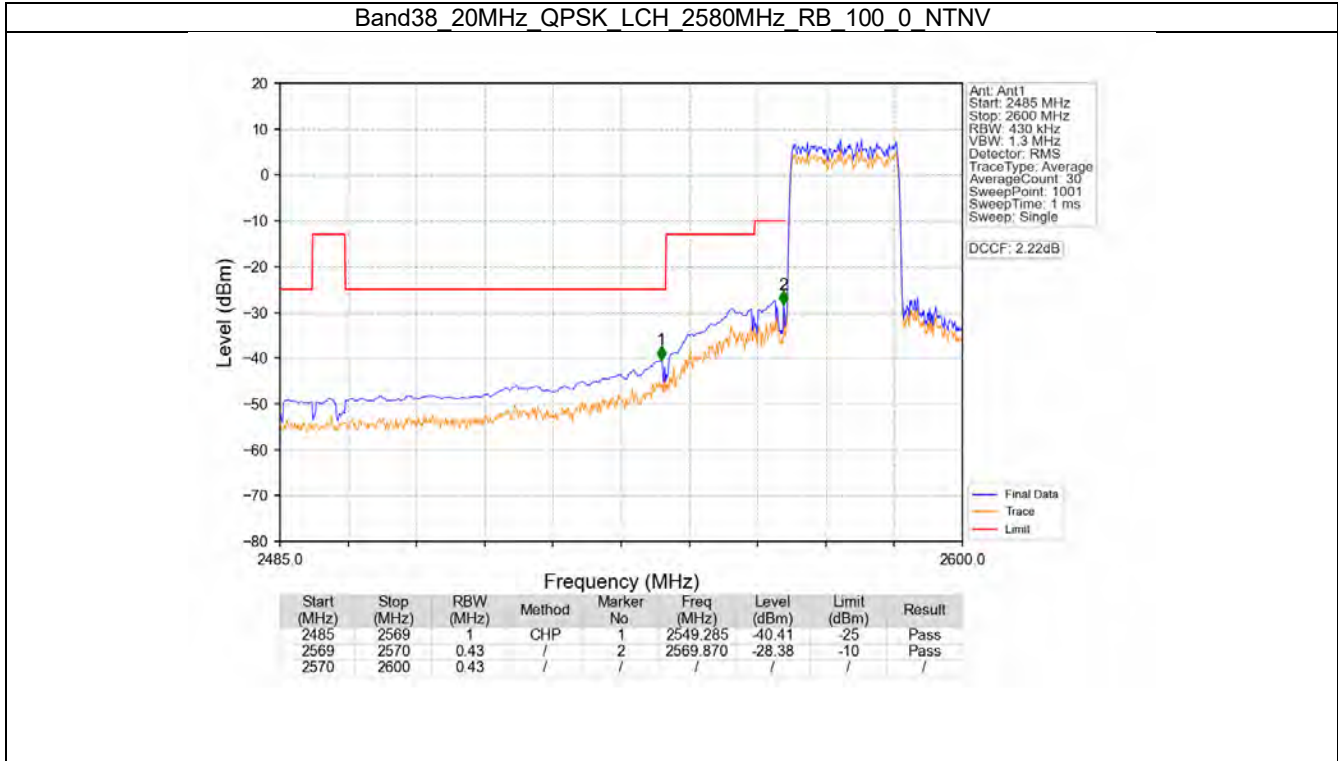


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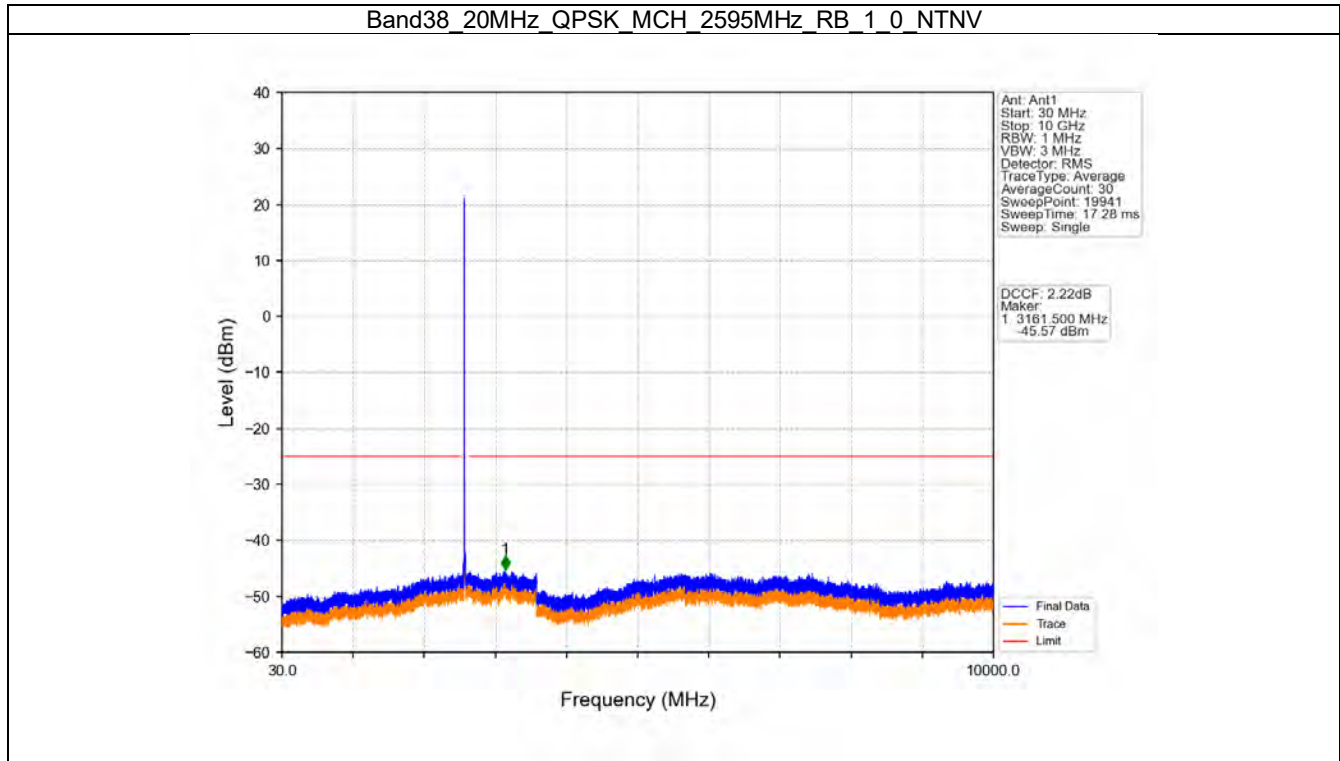


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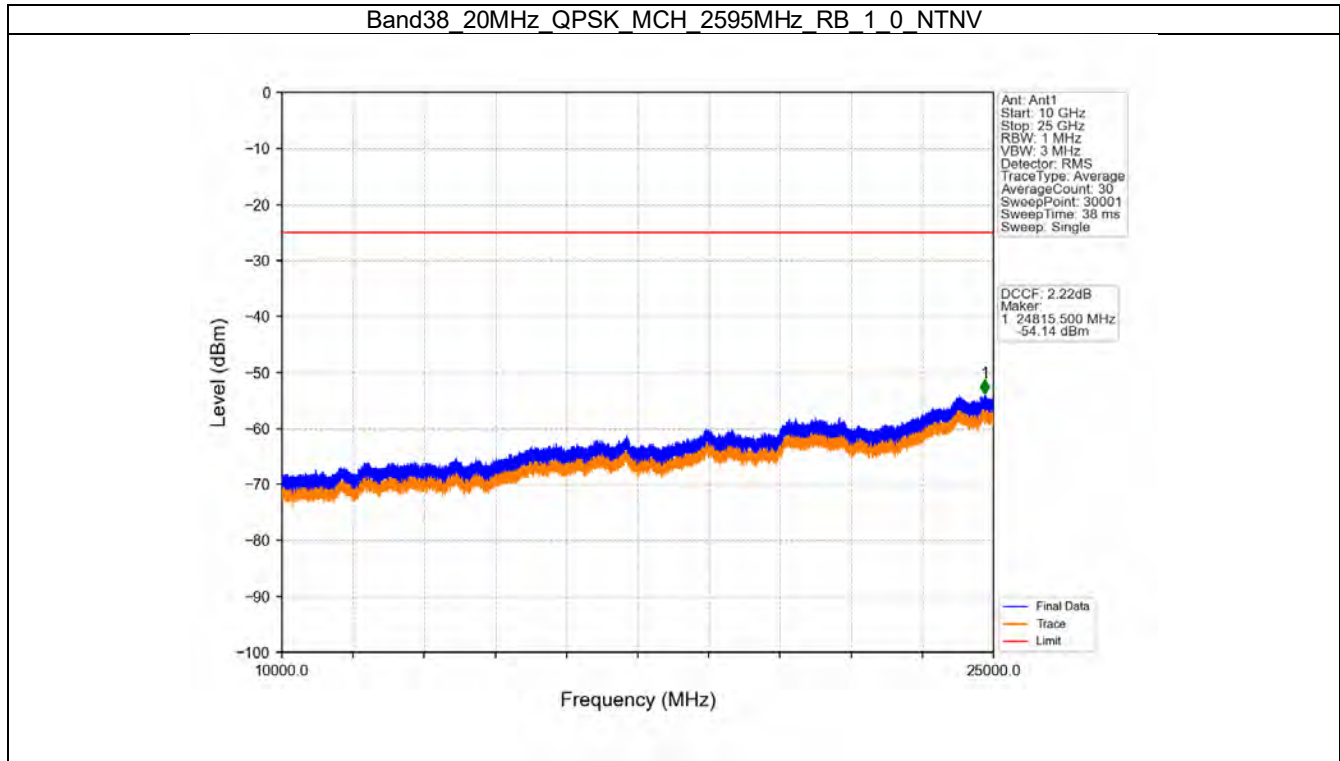


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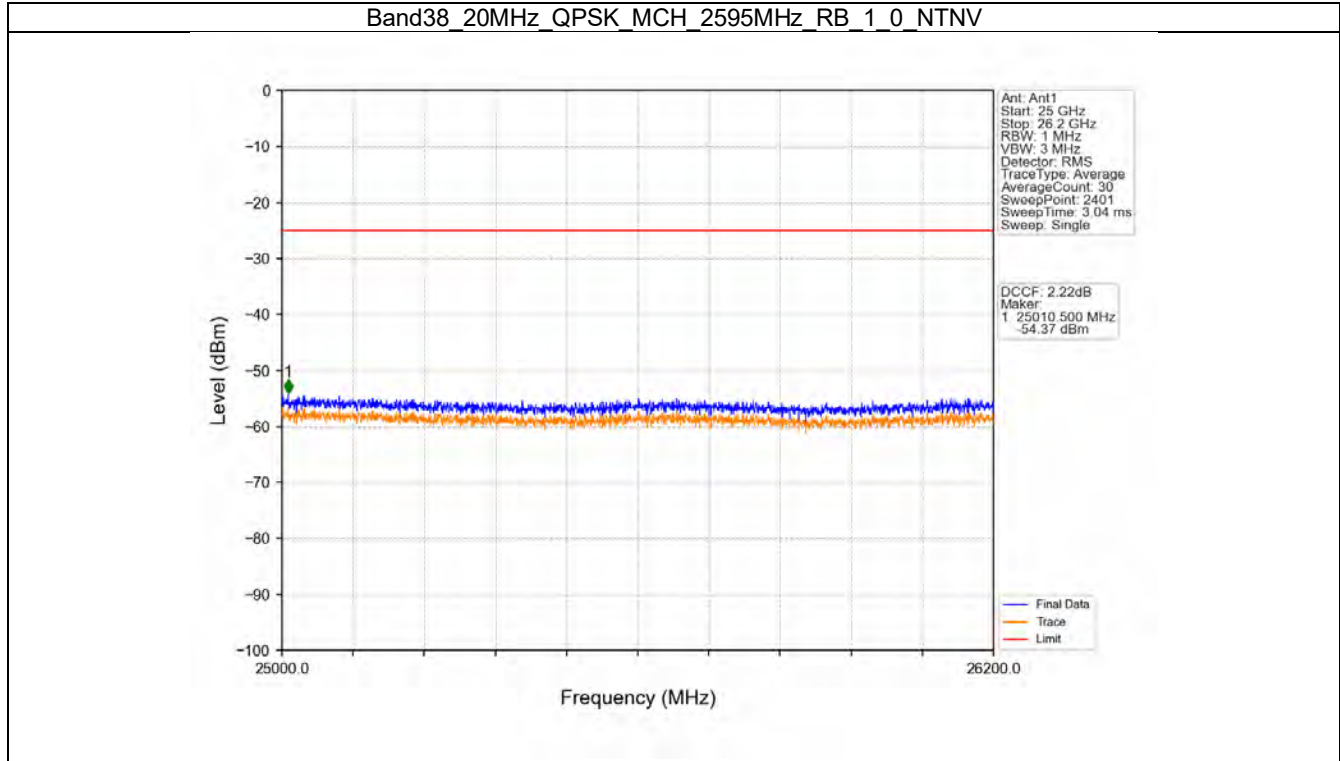


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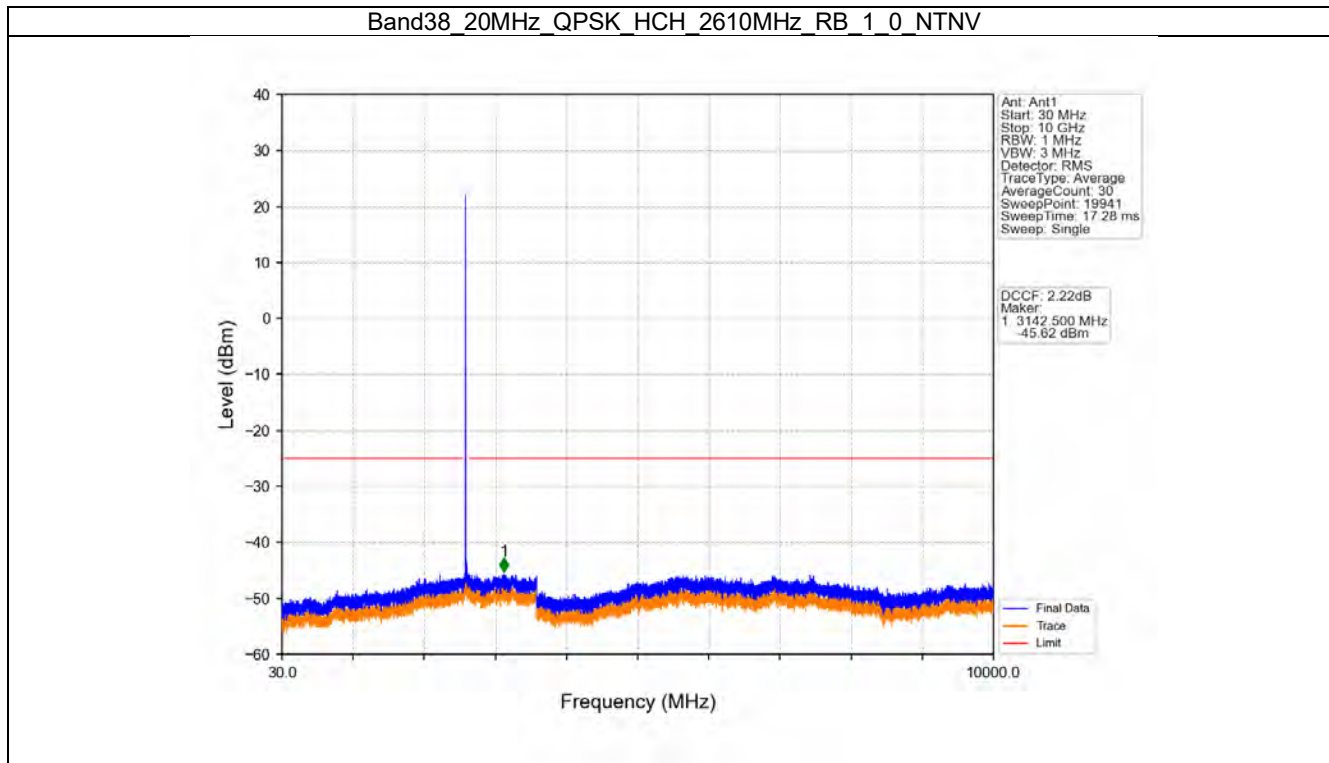
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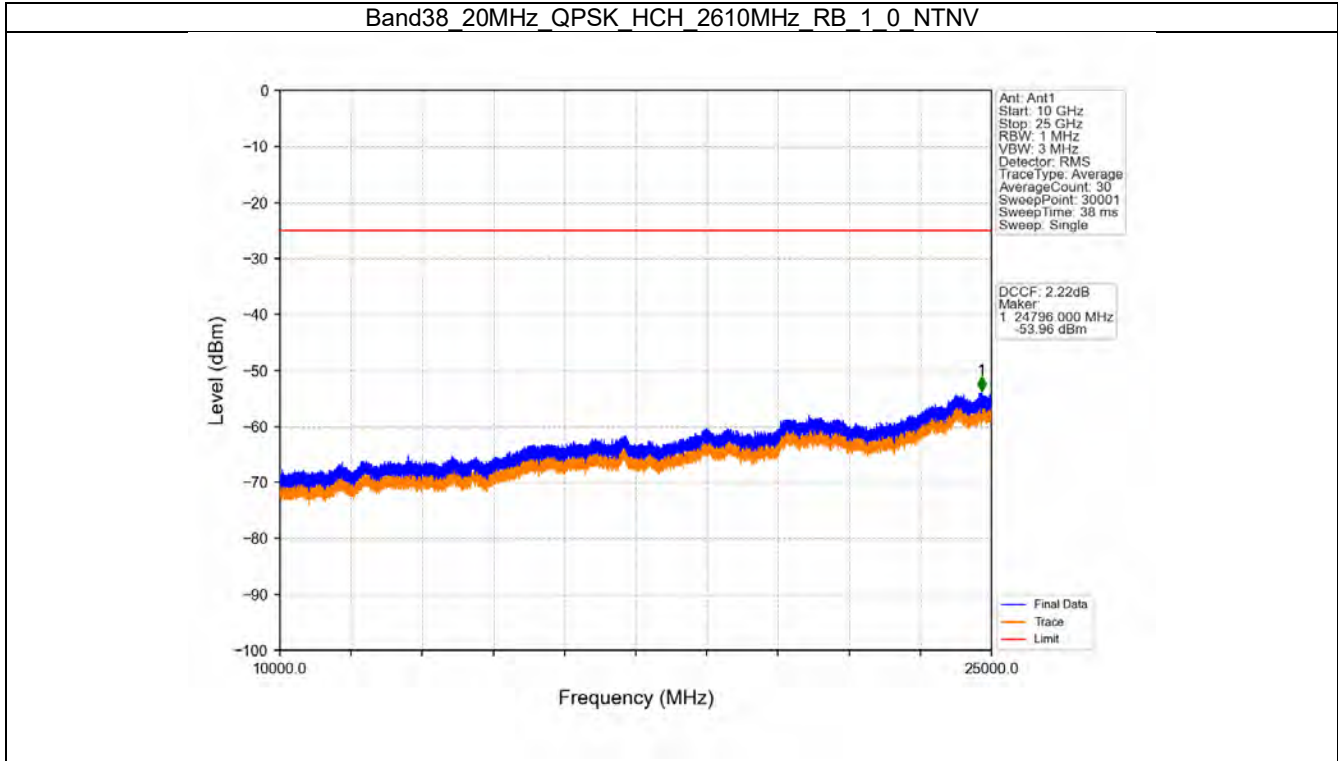


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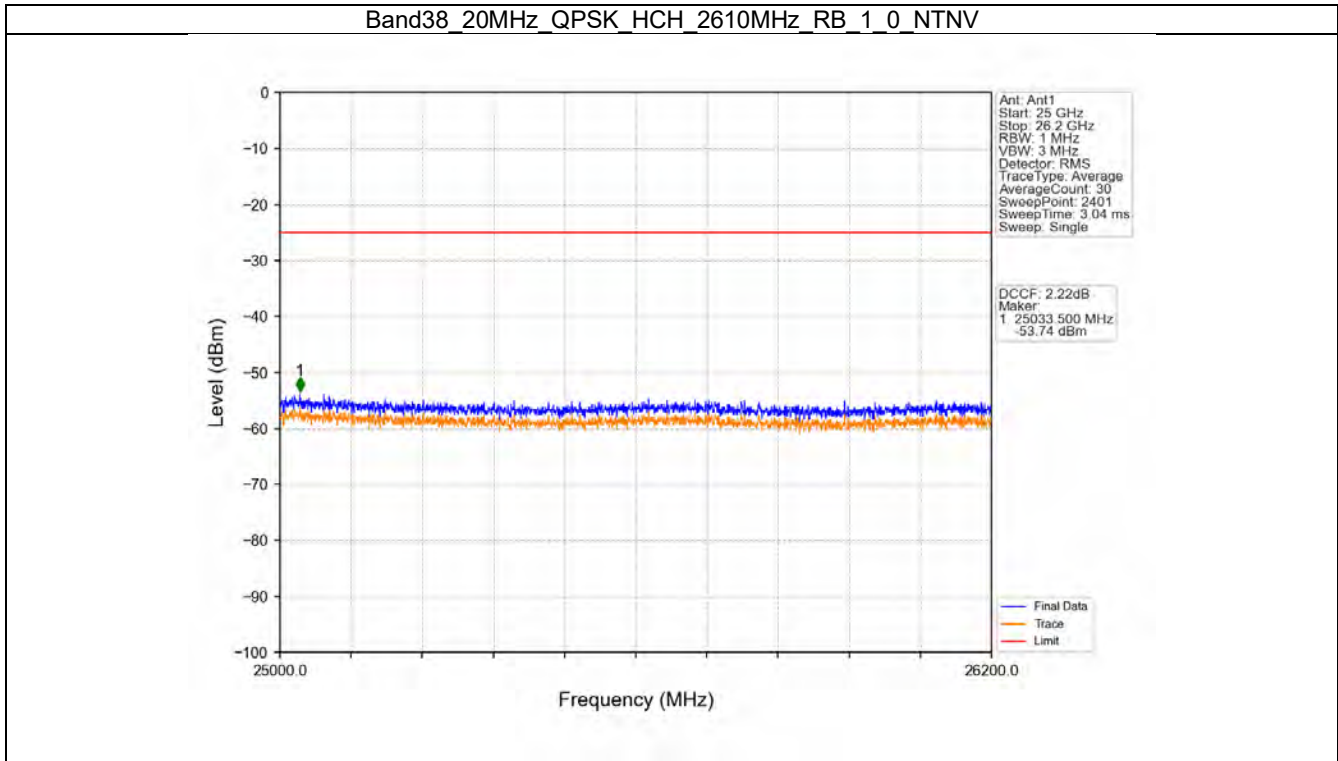


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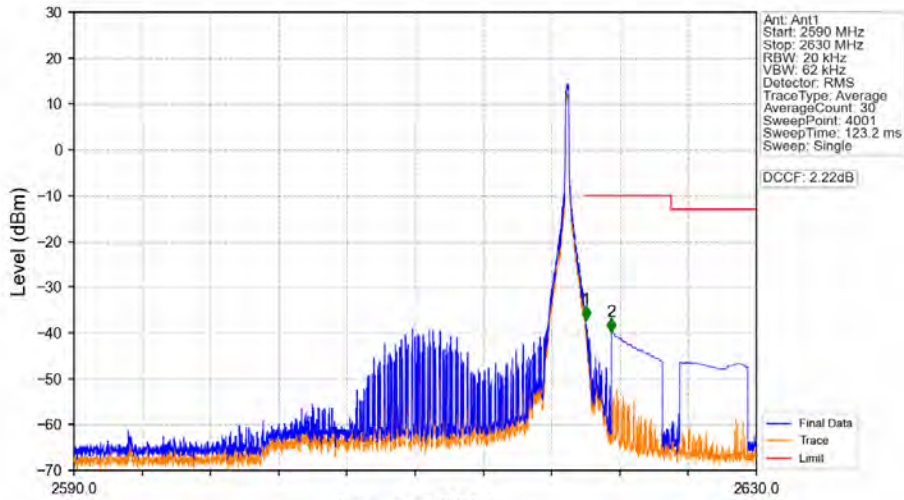
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Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_99\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.02	/	/	/	/	/	/
2620	2621	0.02	/	1	2620.000	-37.13	-10	Pass
2621	2630	1	CHP	2	2621.510	-39.77	-10	Pass



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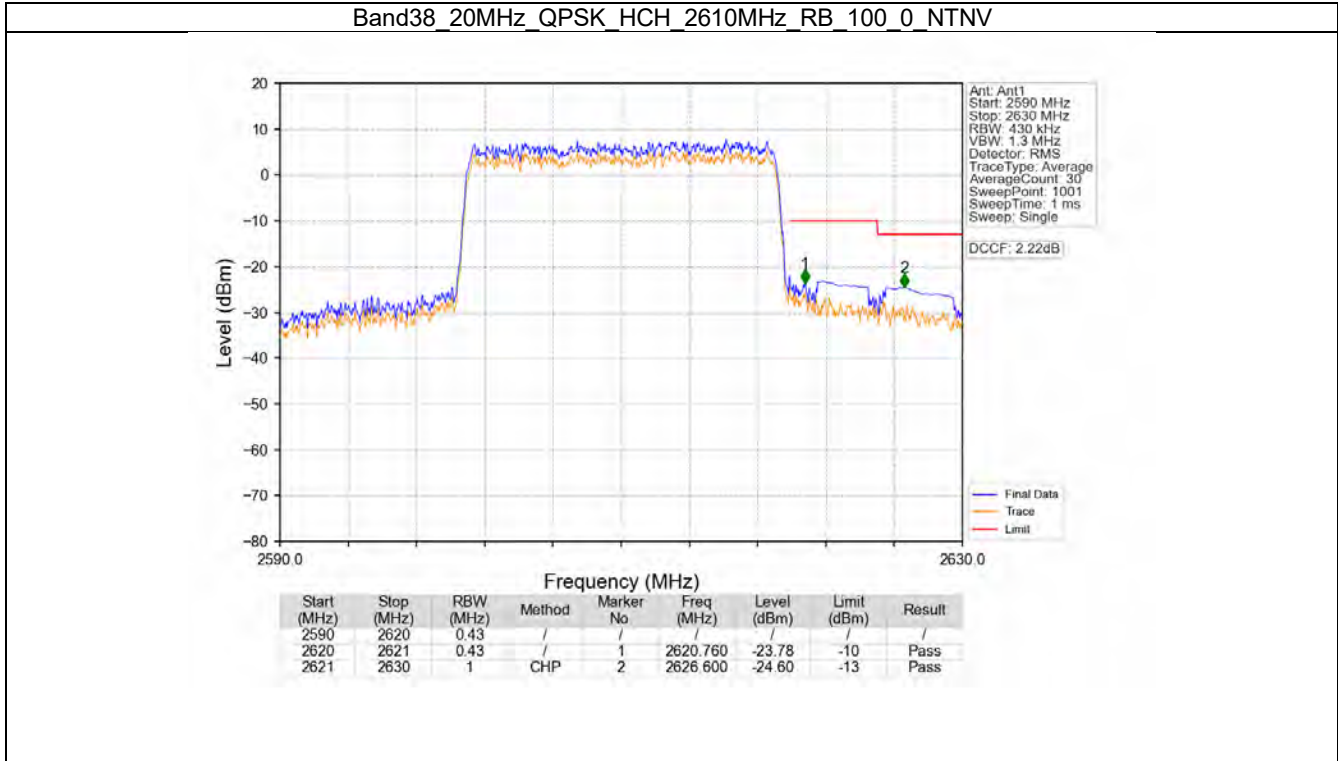


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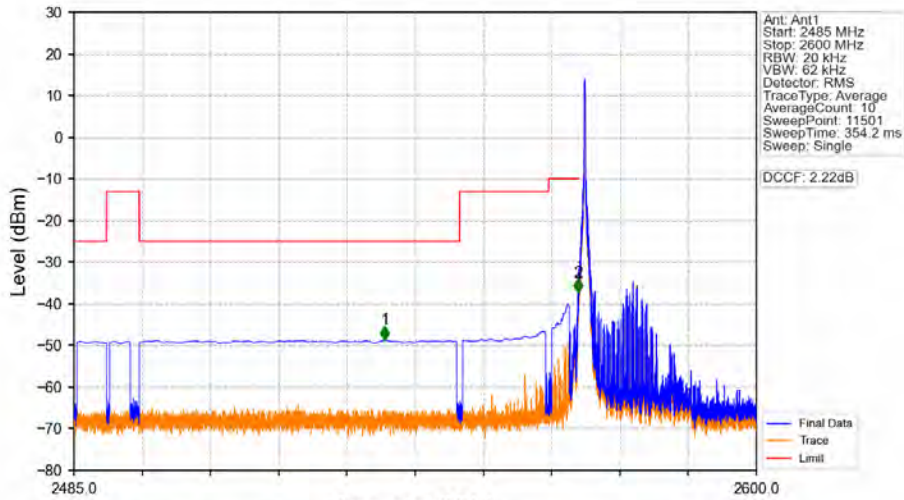
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Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2537.370	-48.67	-25	Pass
2569	2570	0.02	/	2	2569.920	-37.29	-10	Pass
2570	2600	0.02	/	/	/	/	/	/



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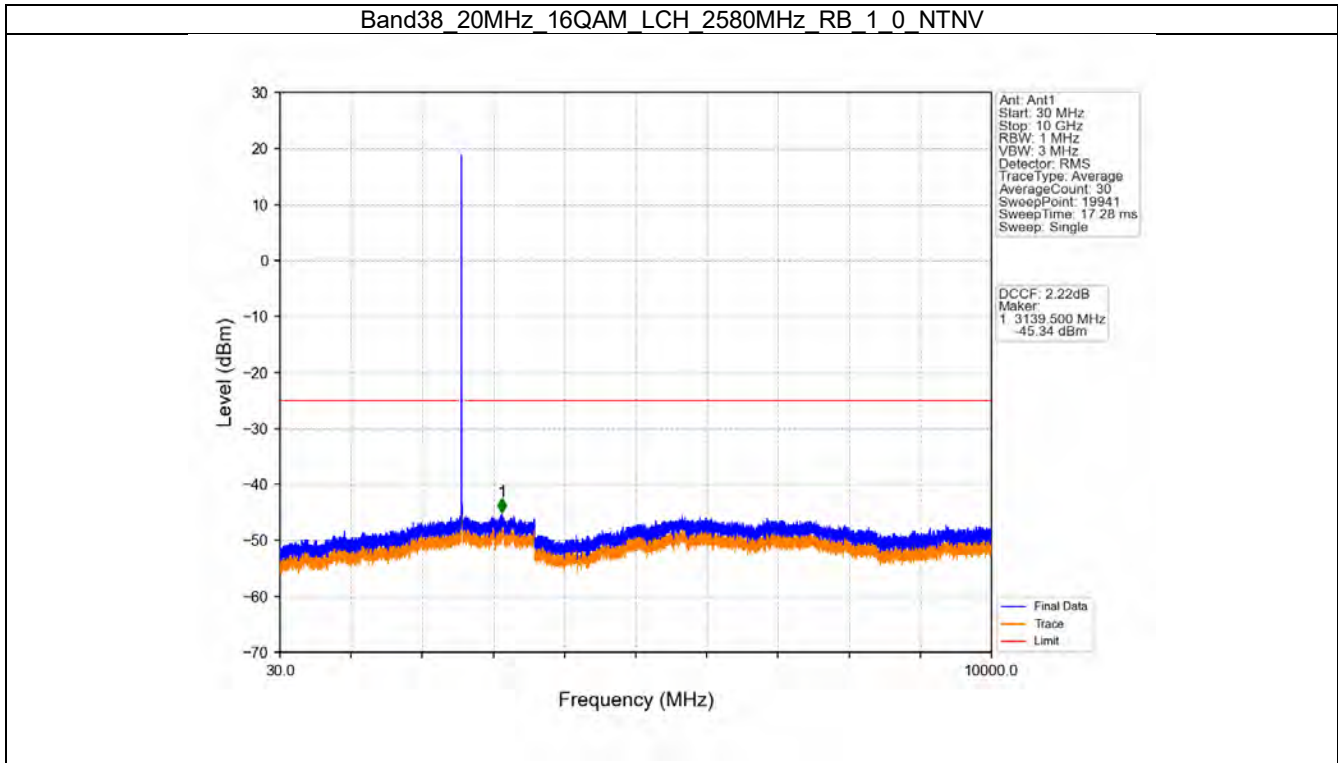


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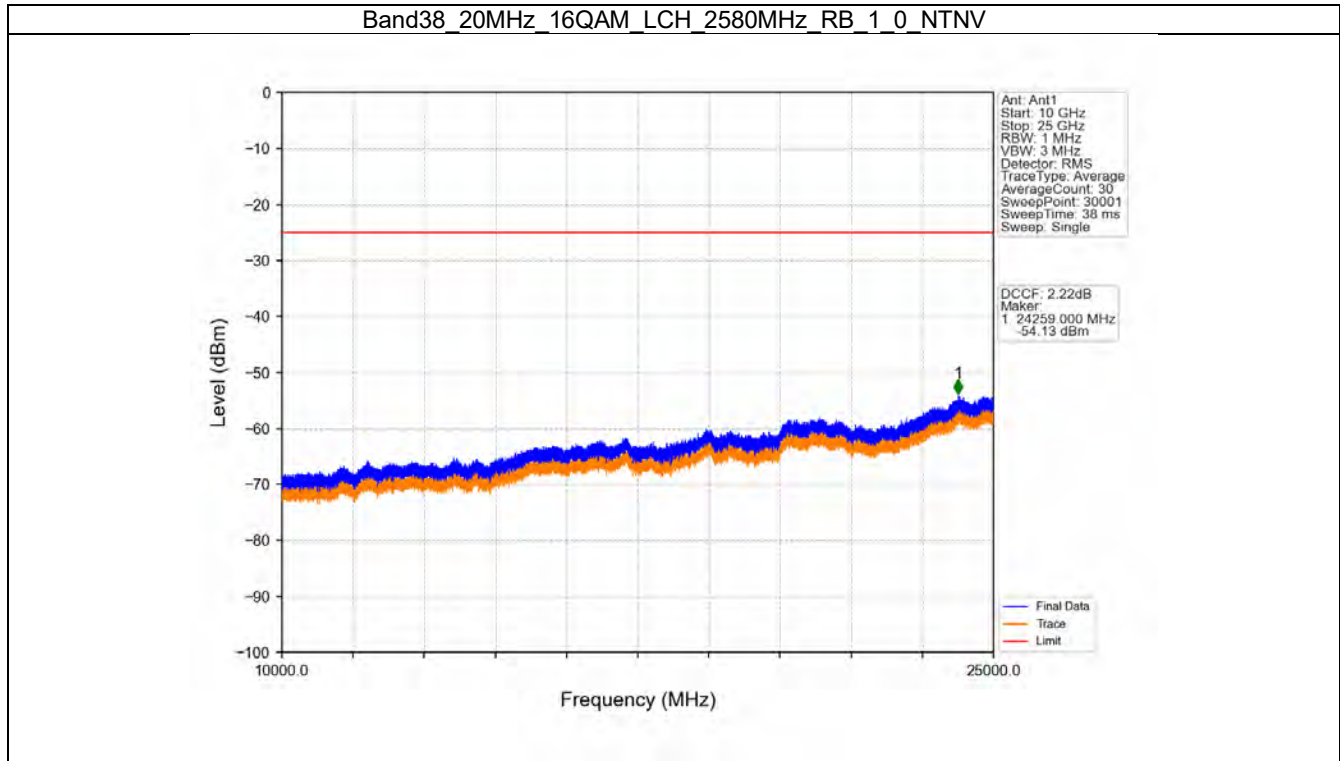


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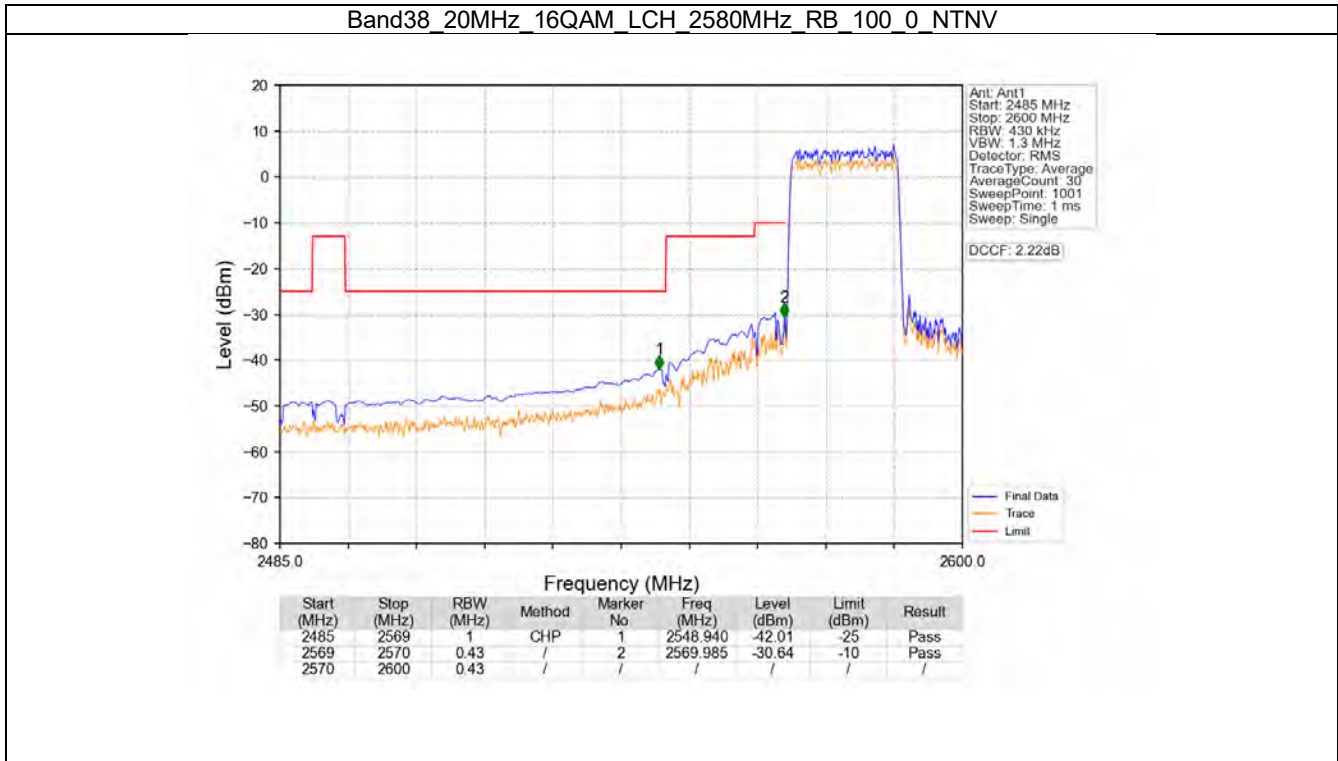


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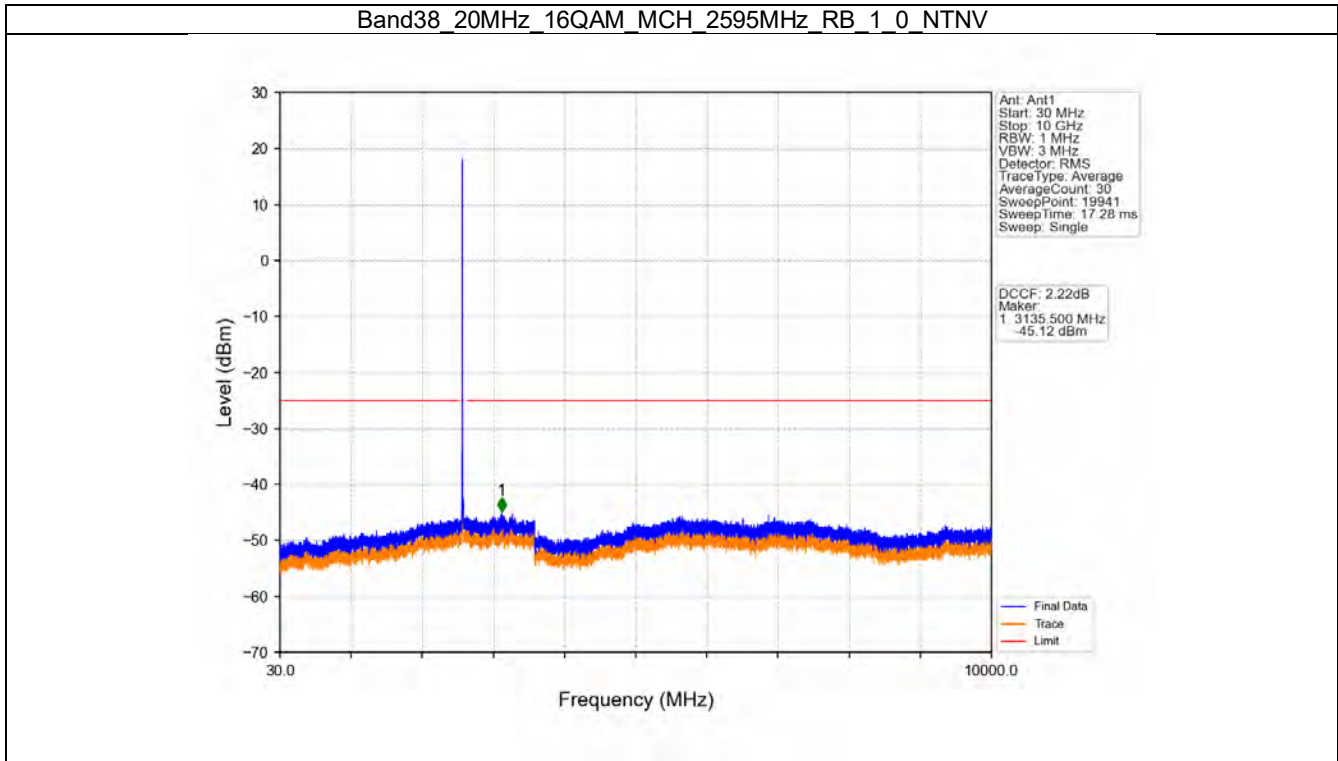


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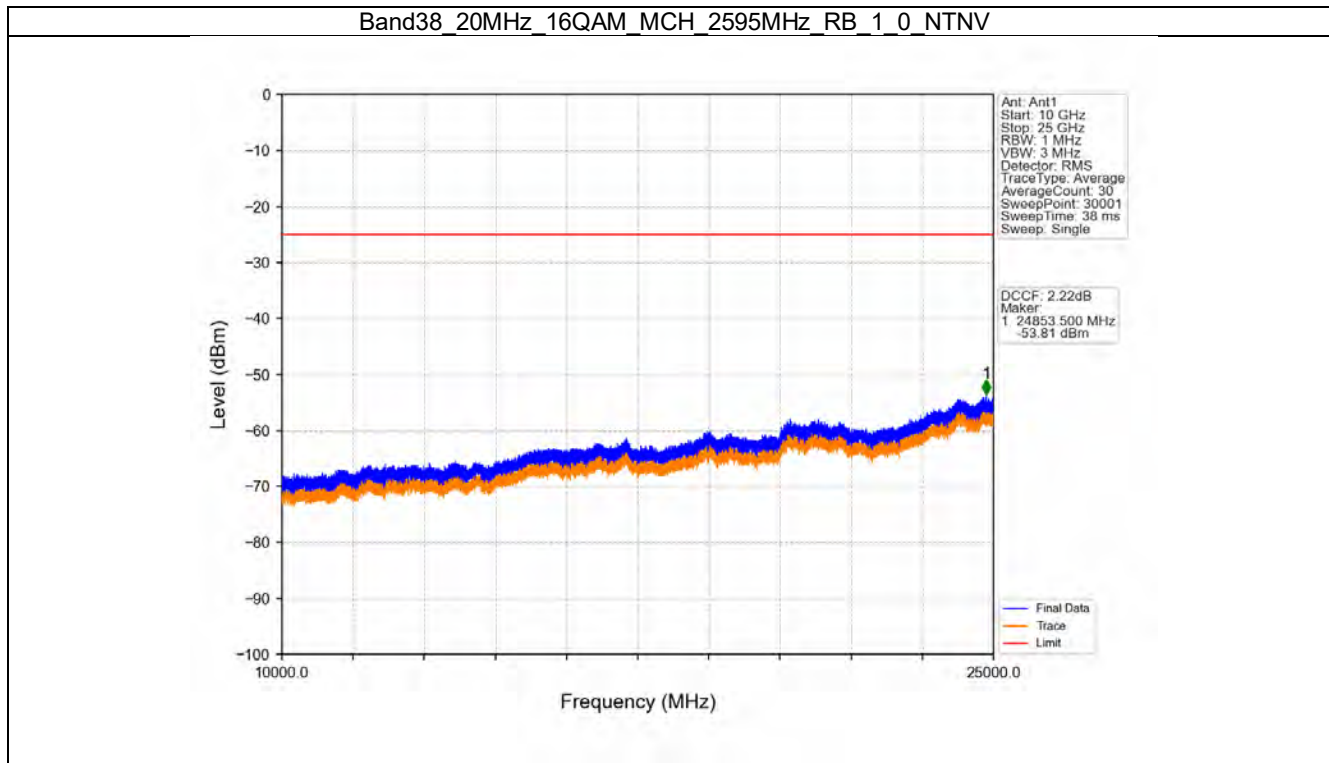
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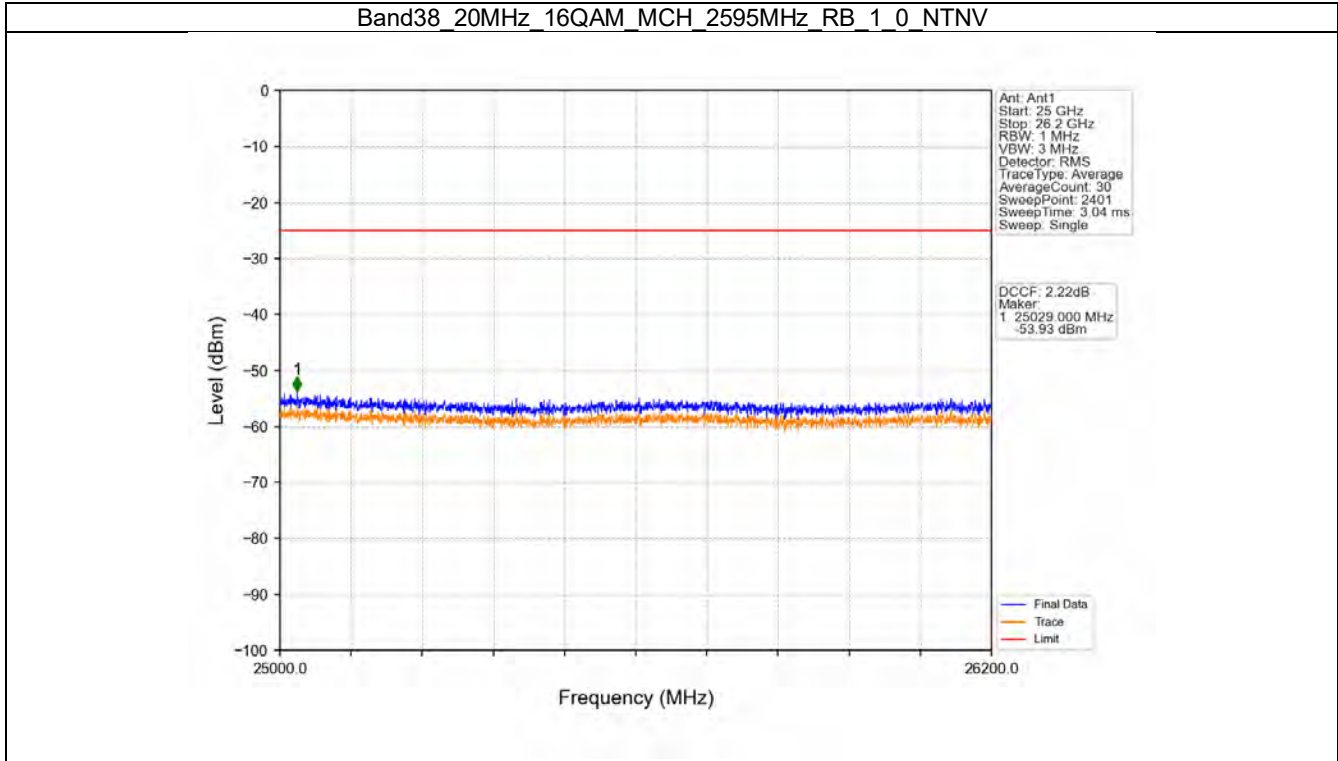


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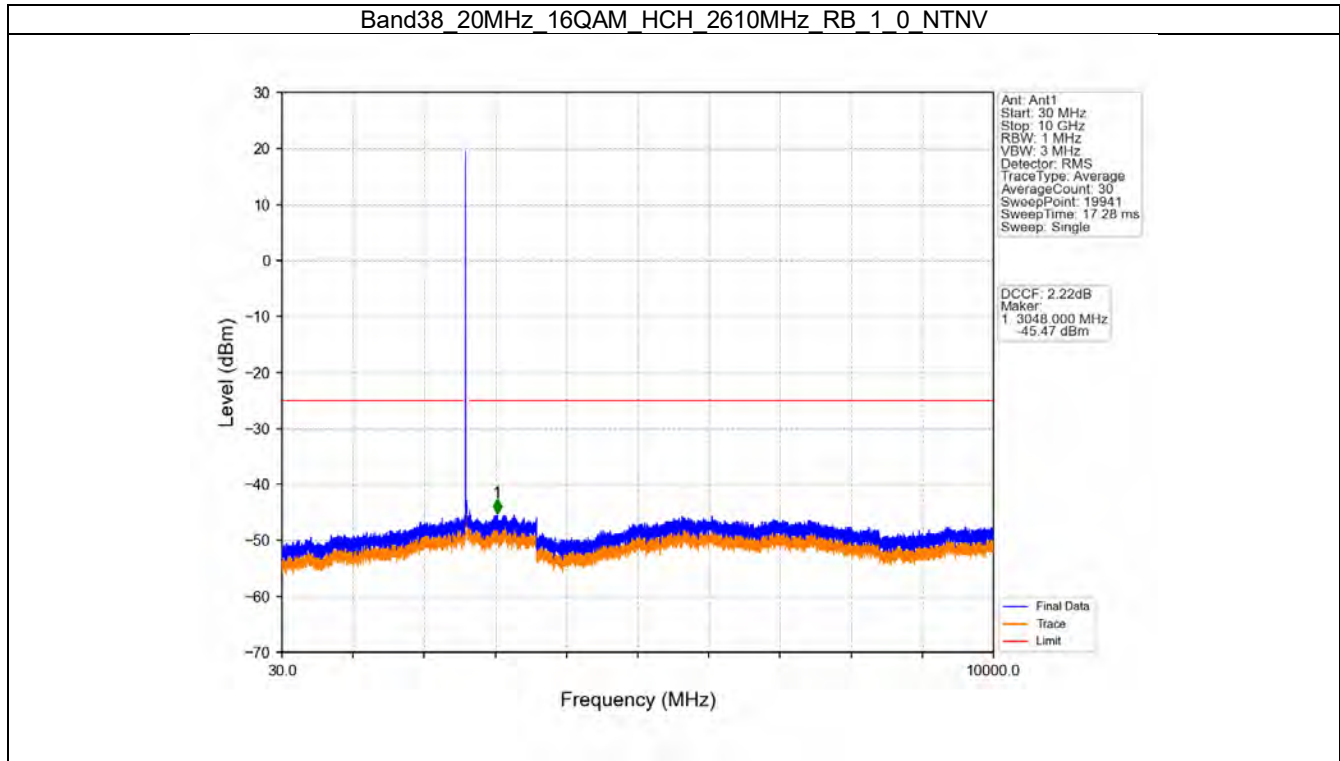


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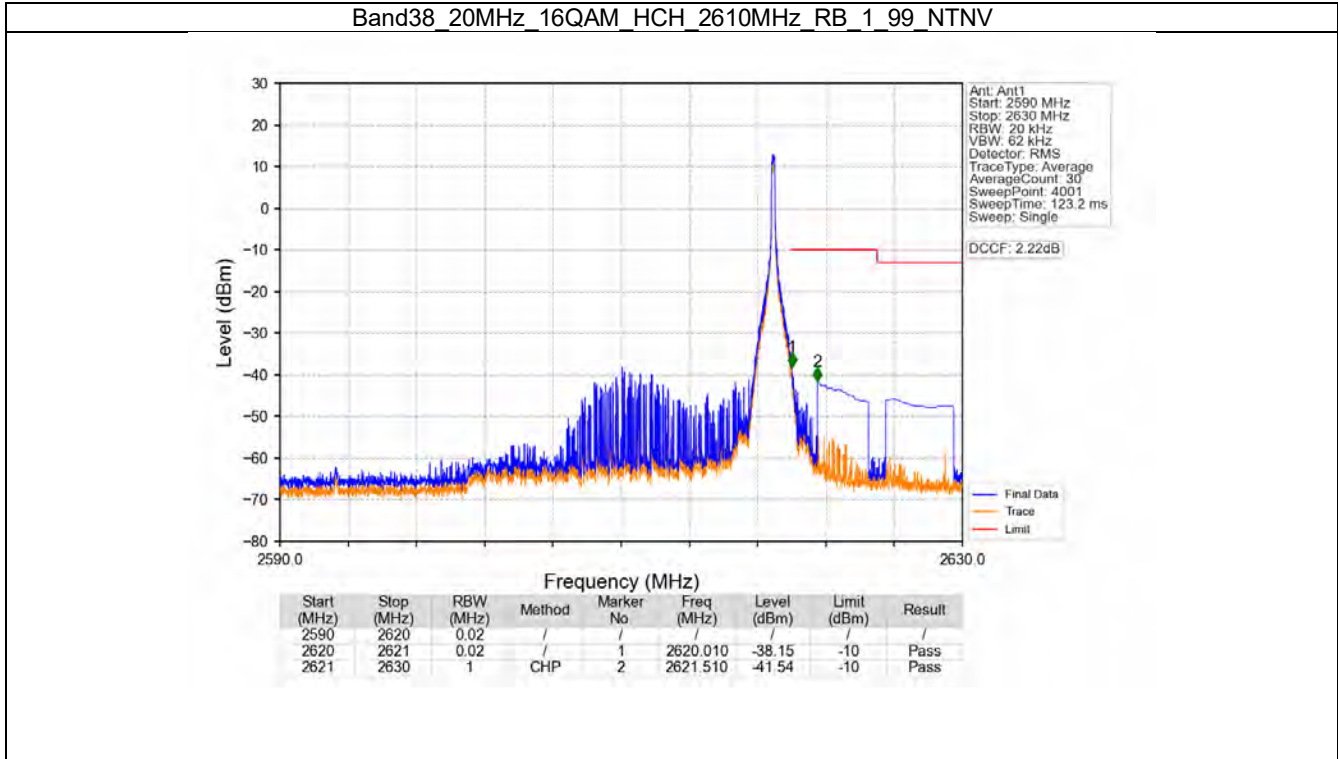


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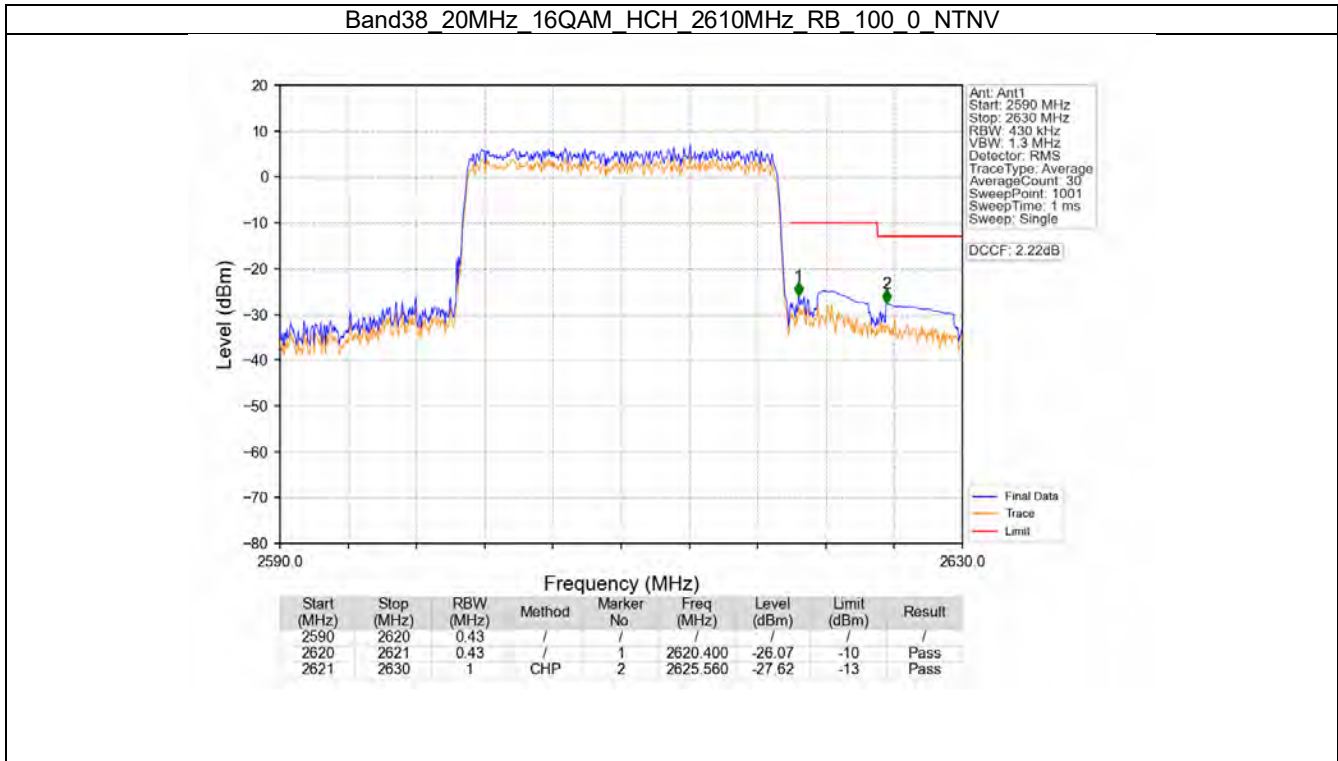


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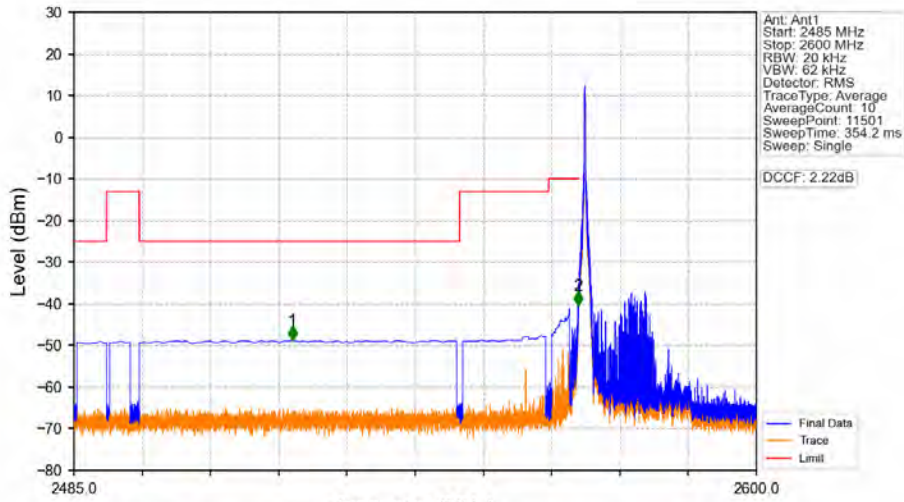
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Band38\_20MHz\_64QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2521.780	-48.75	-25	Pass
2569	2570	0.02	/	2	2569.950	-40.49	-10	Pass
2570	2600	0.02	/	/	/	/	/	/



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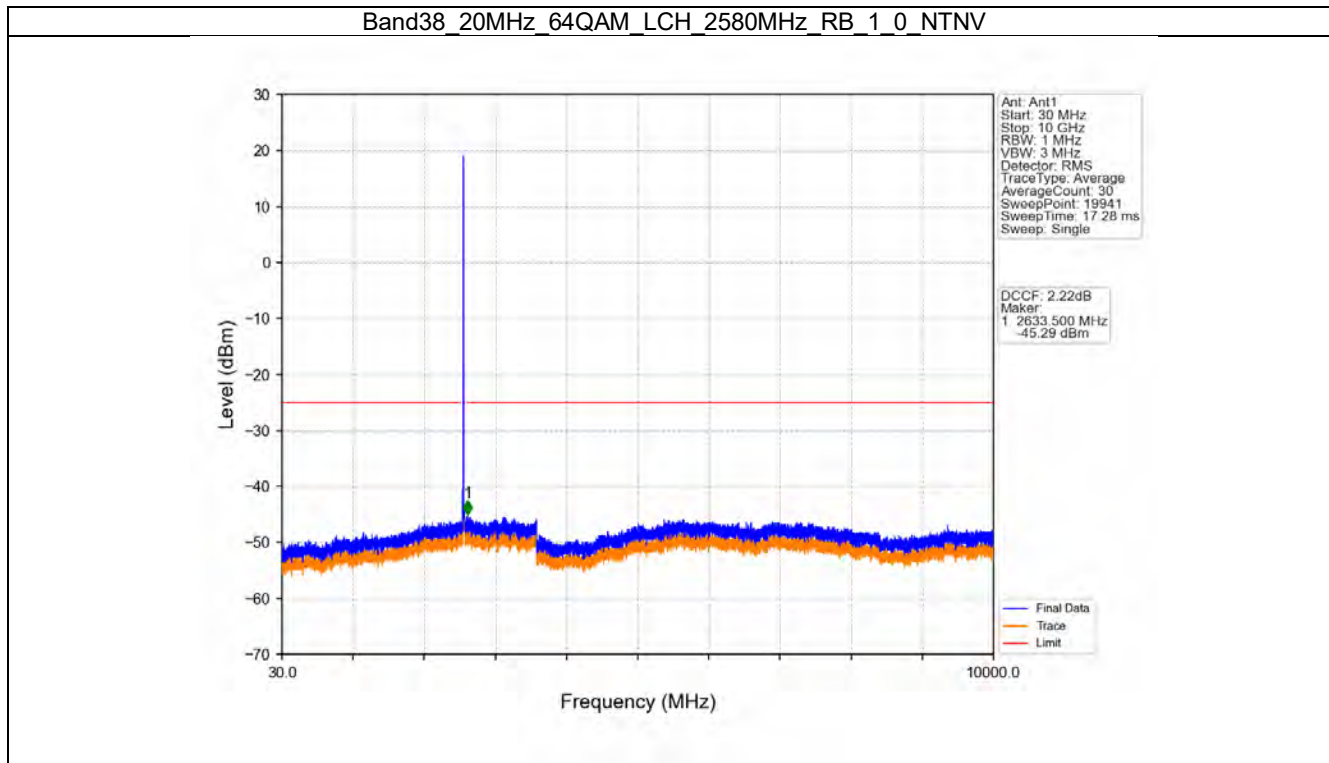
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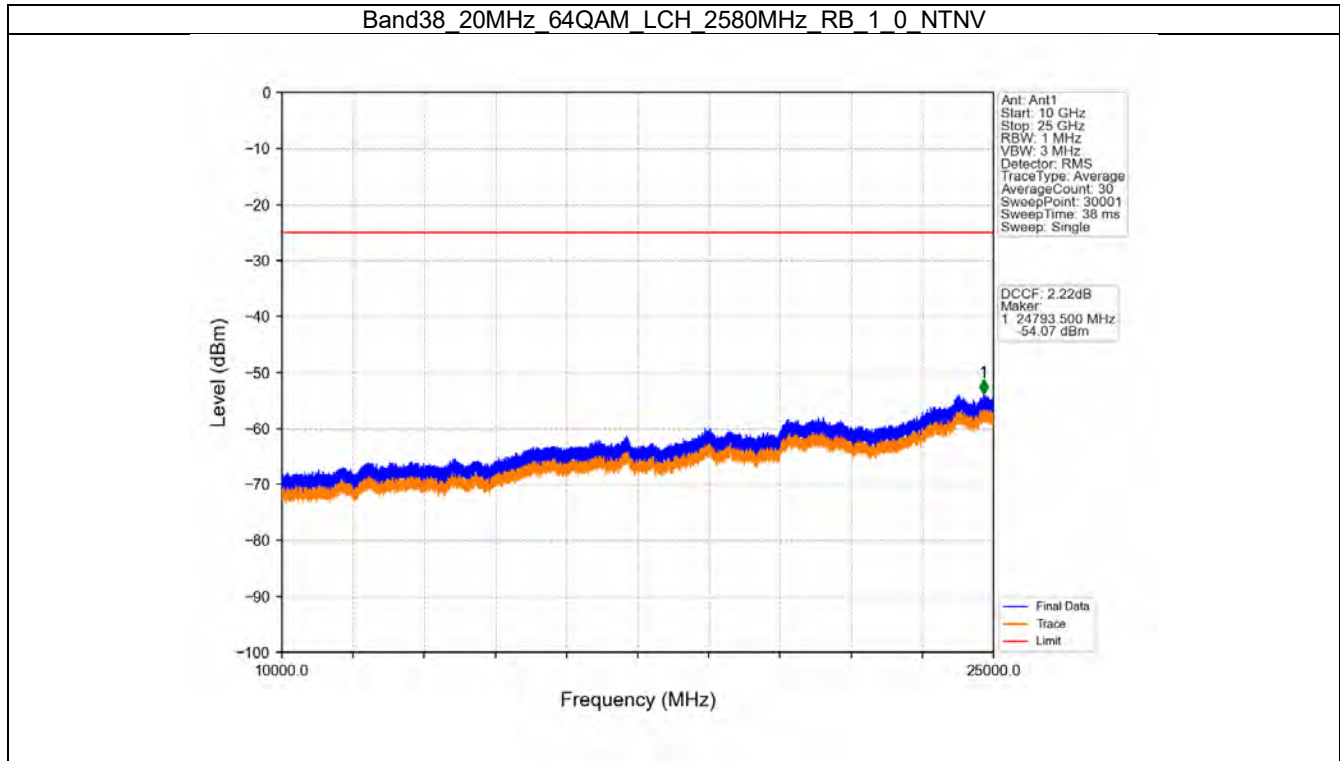


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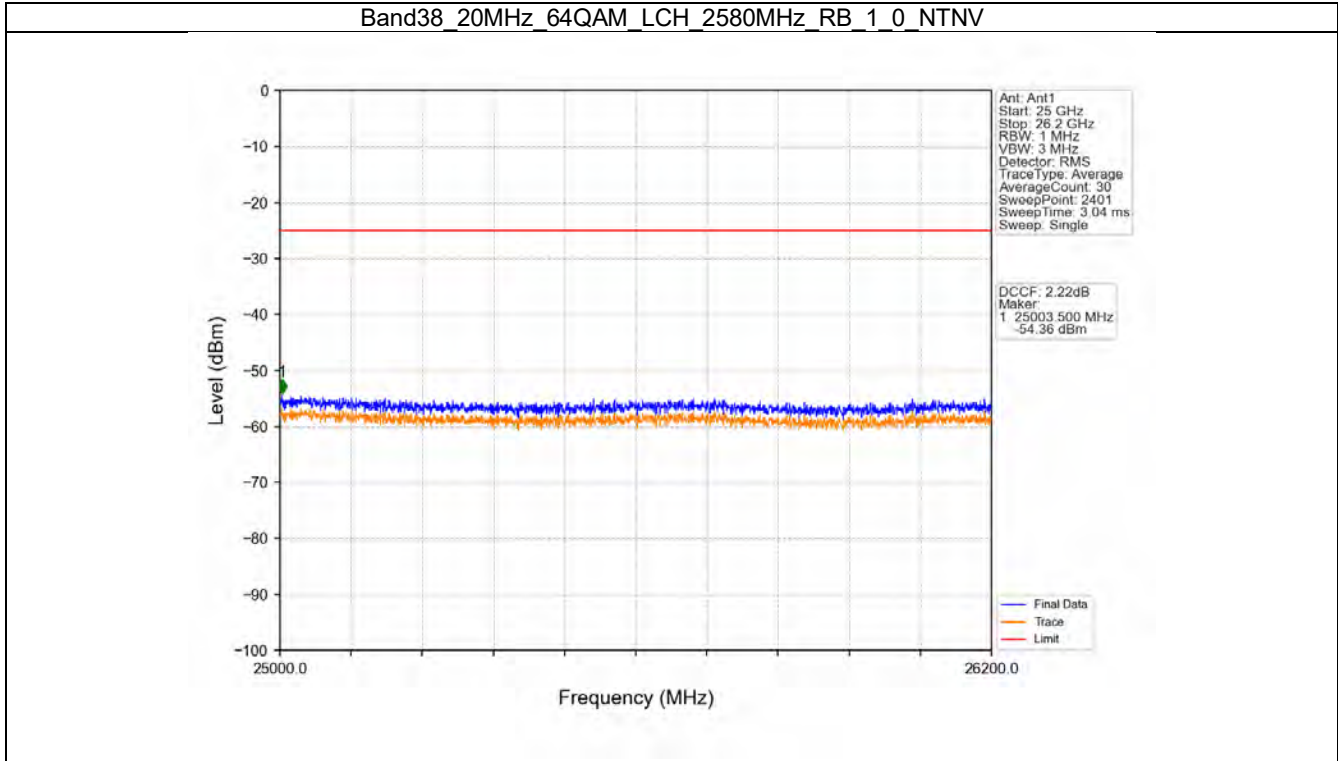


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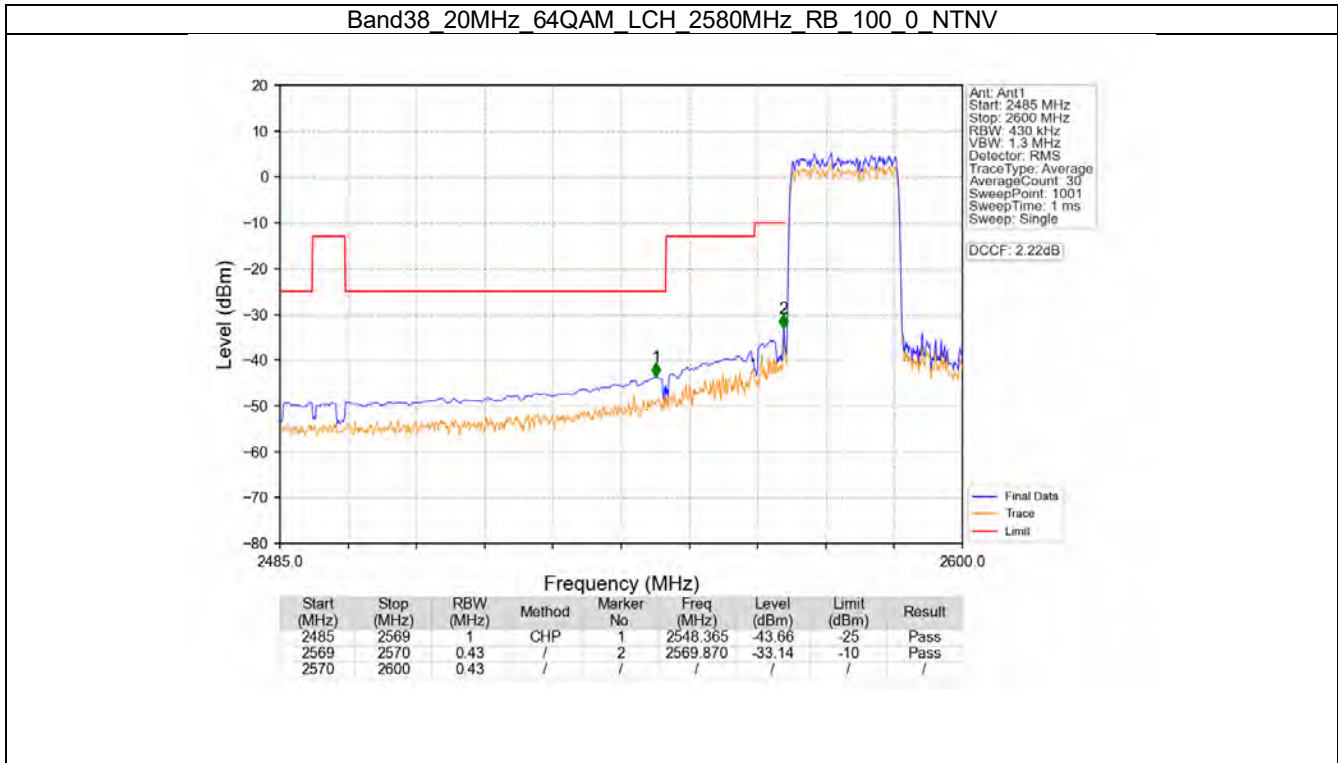


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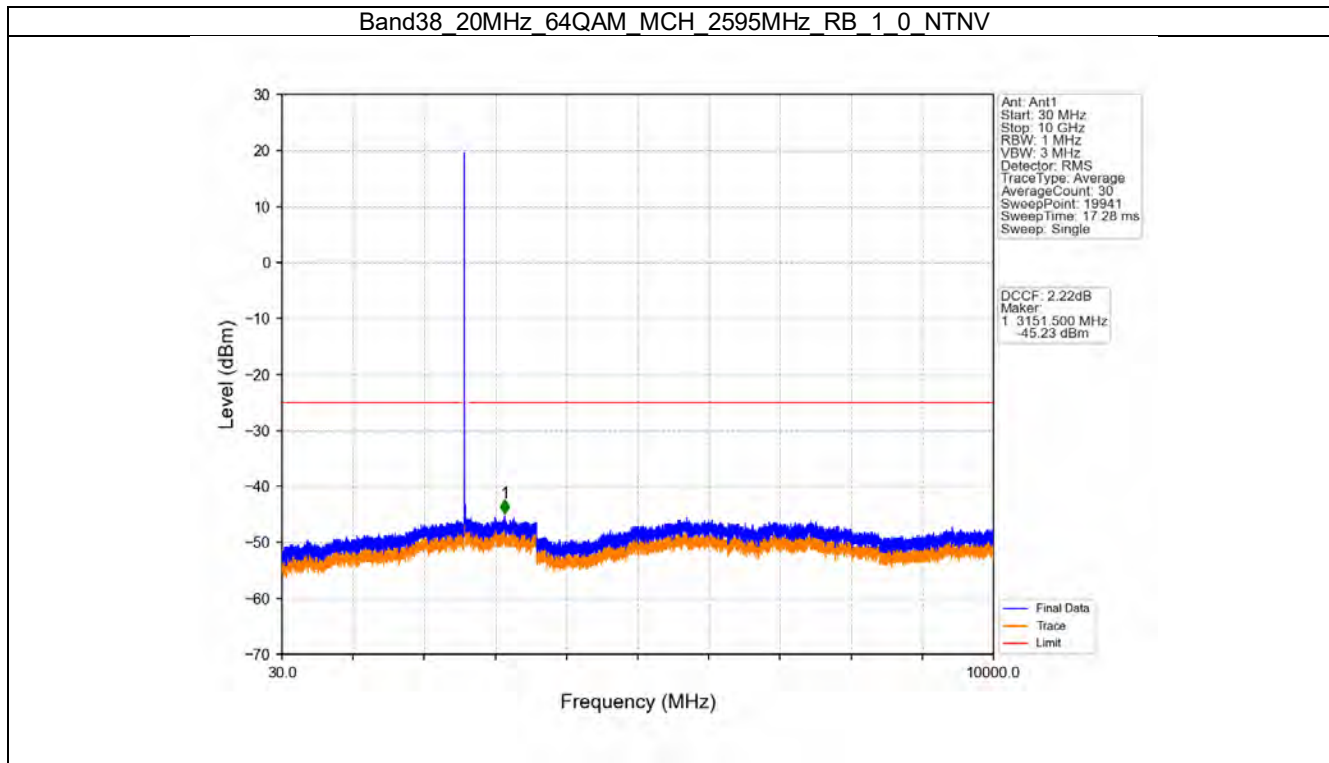
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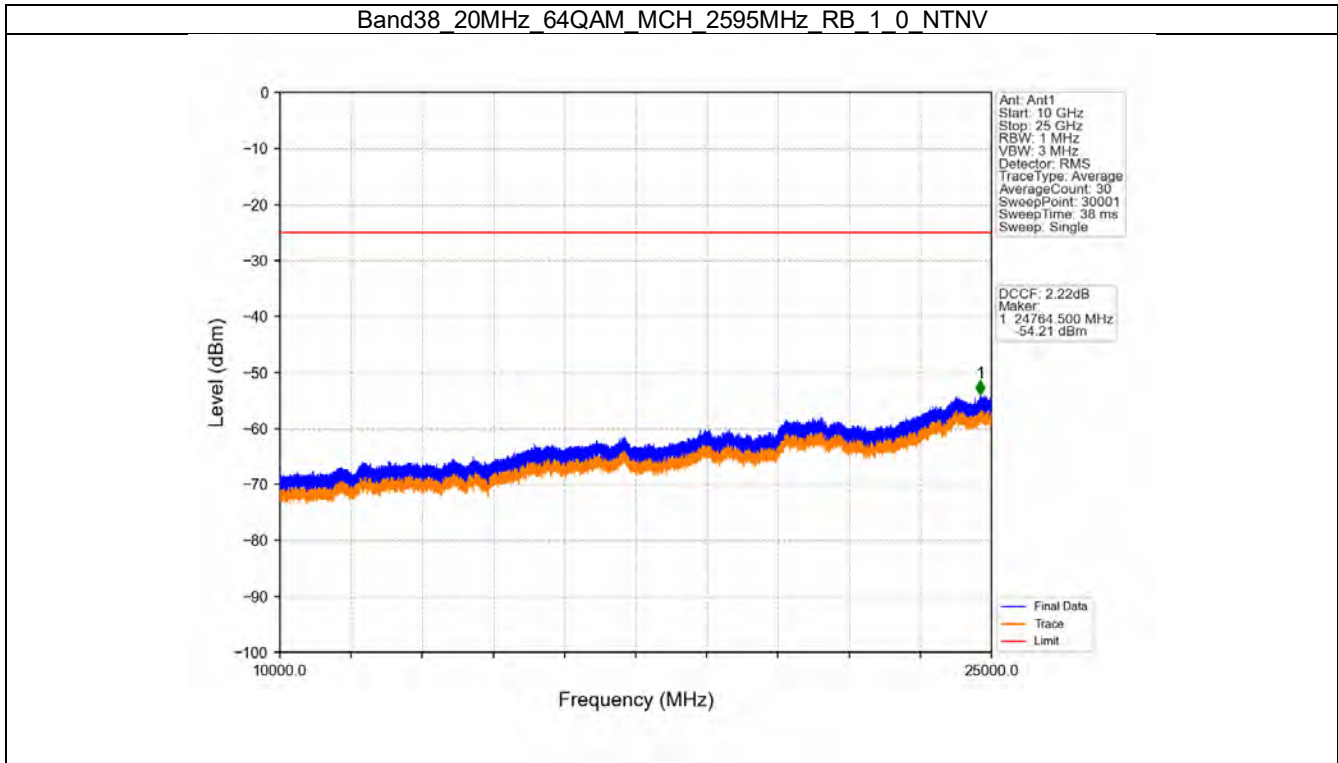


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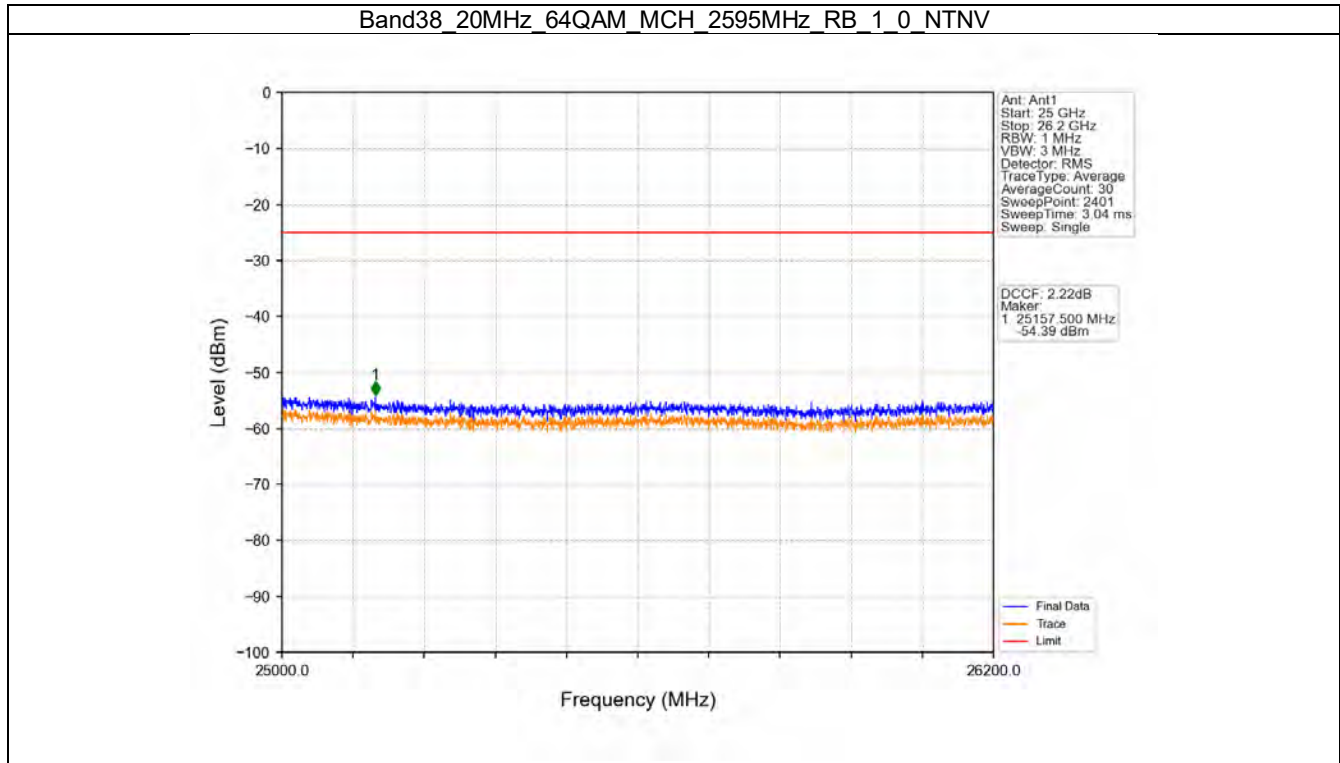


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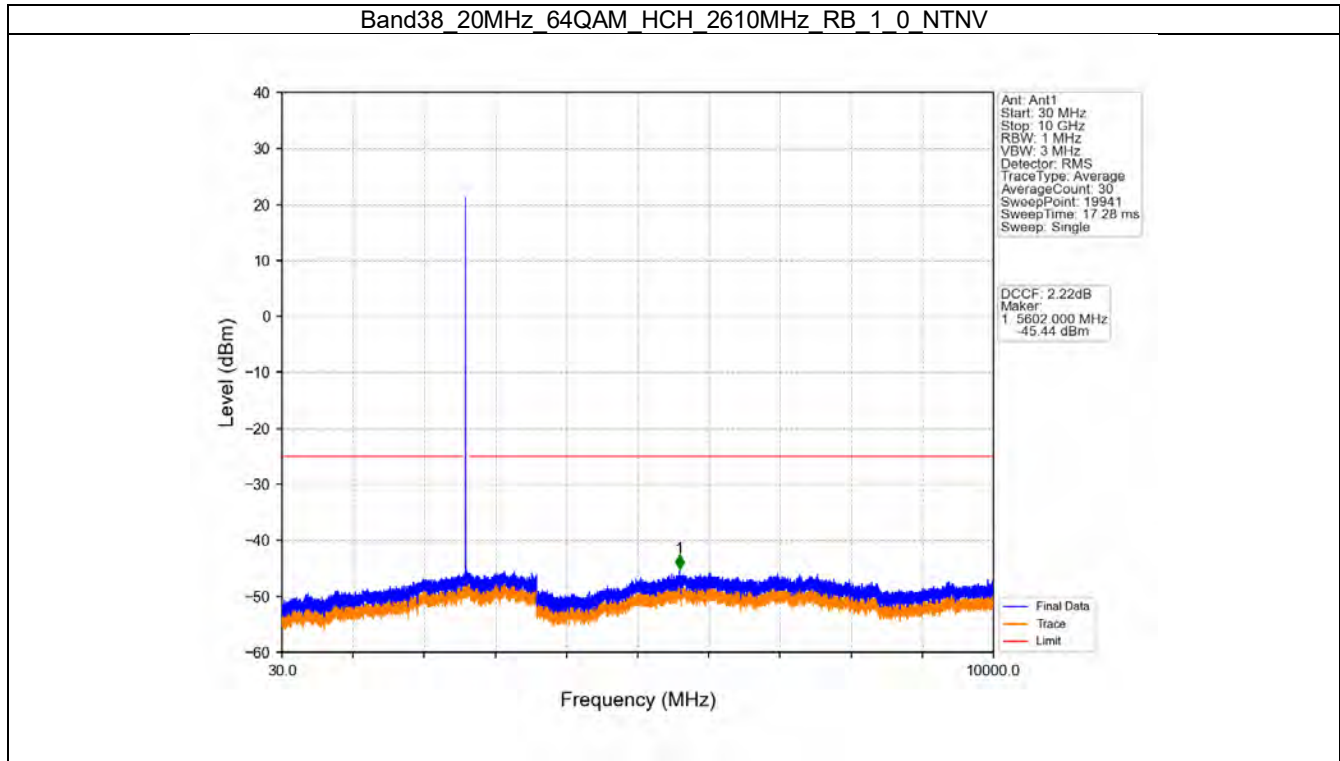


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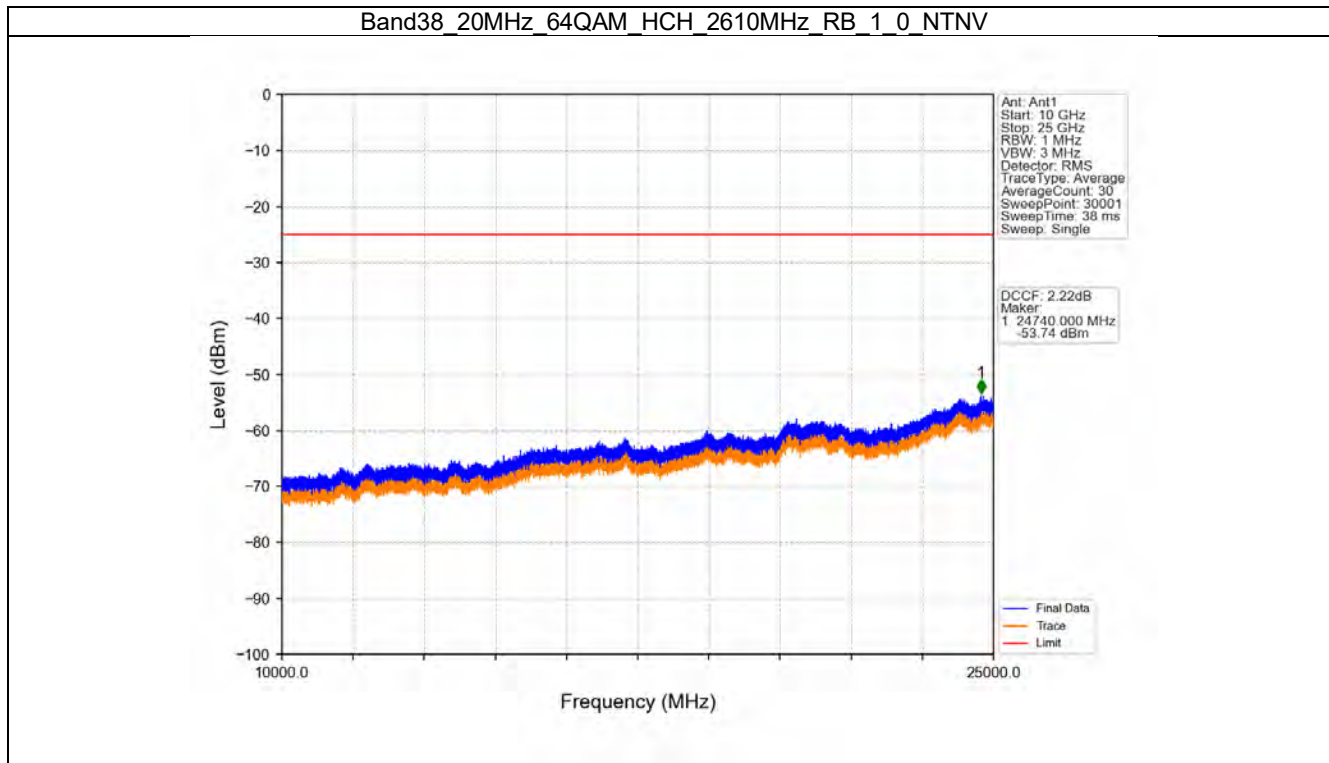
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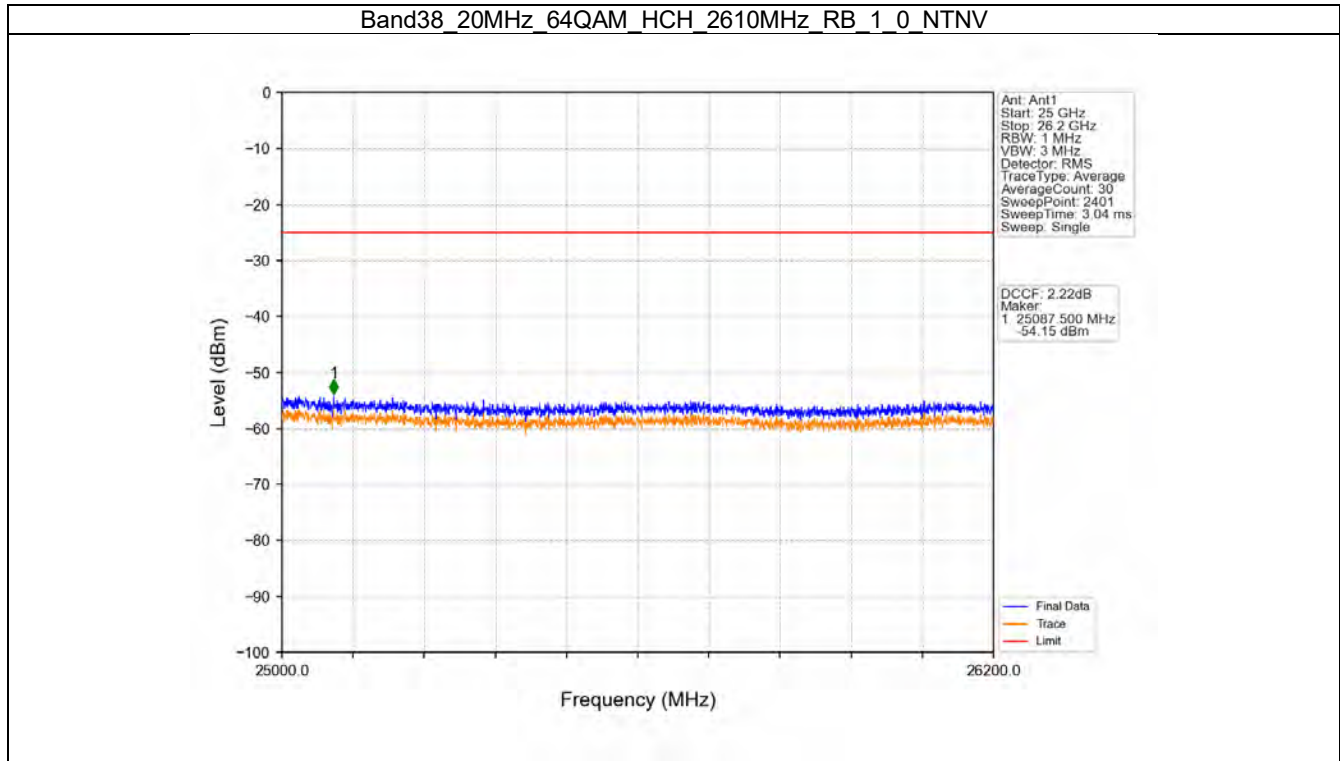


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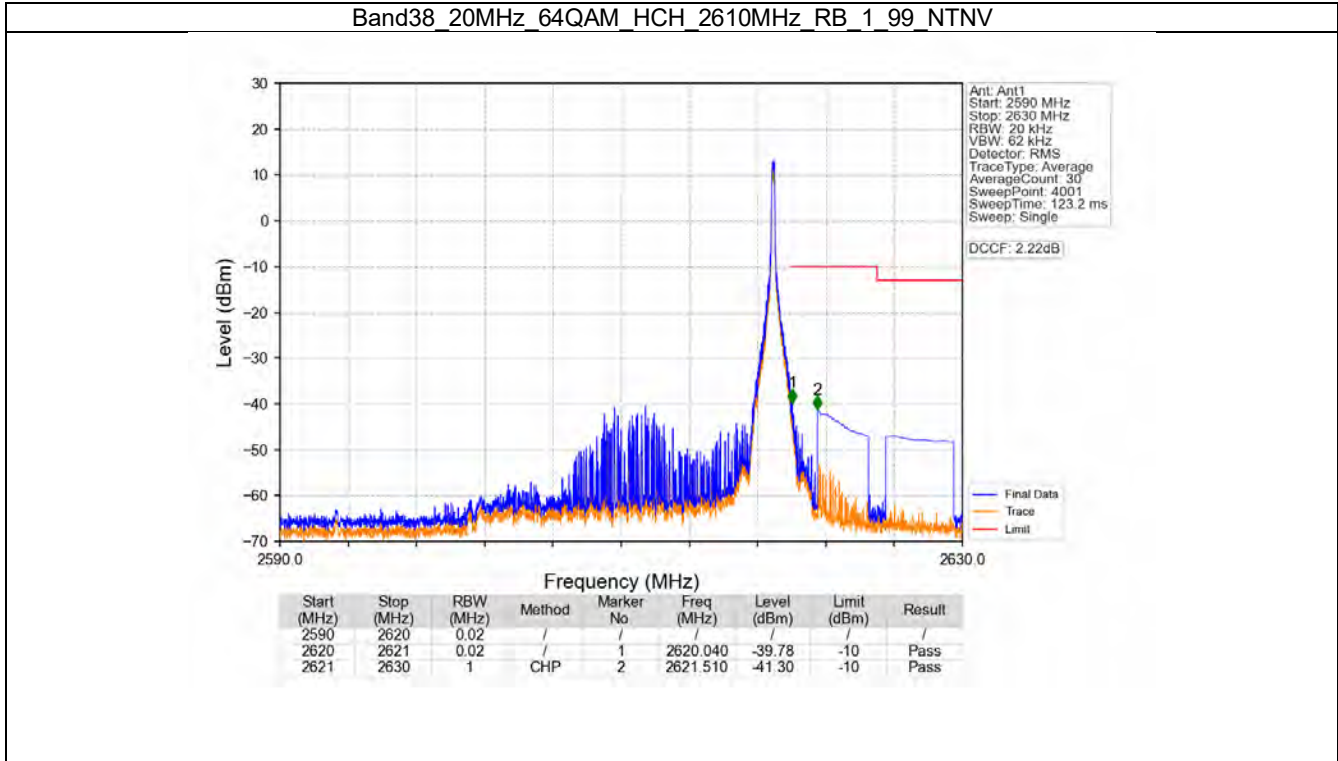


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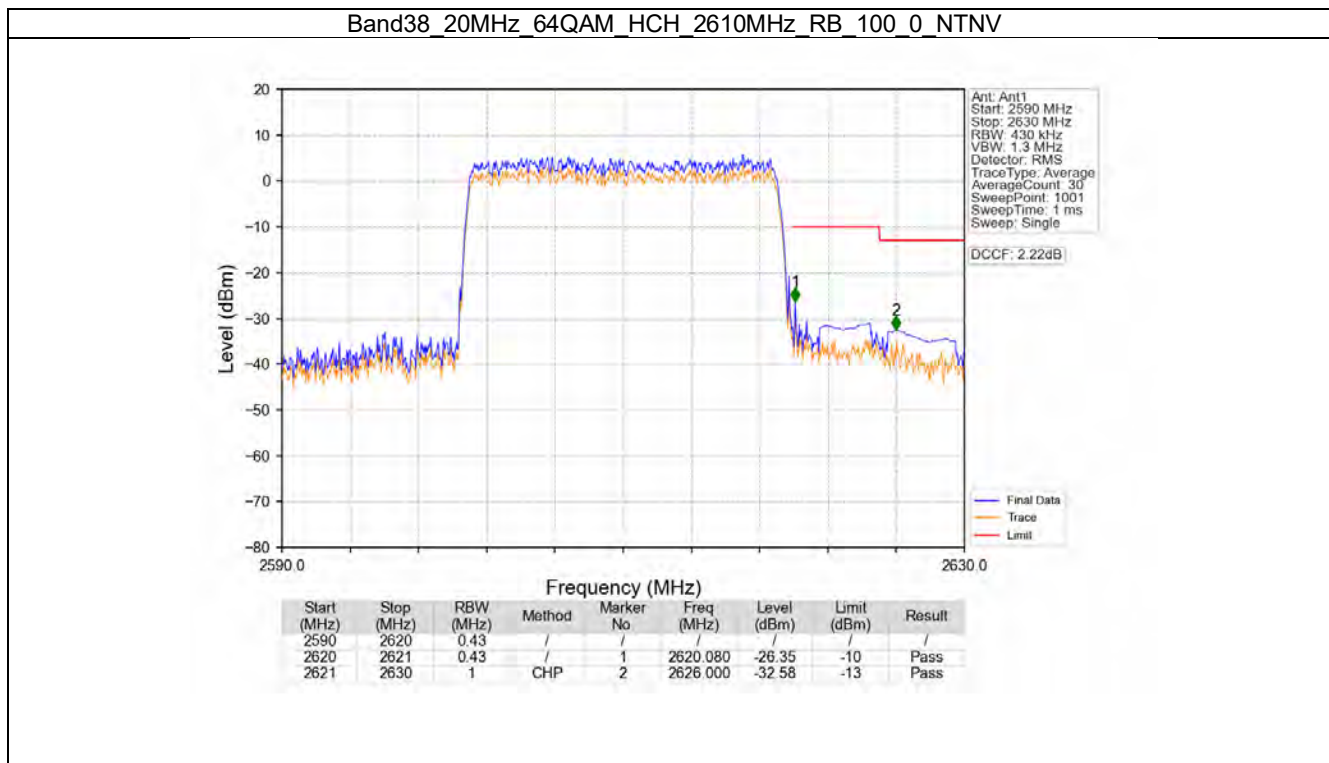
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## 6. Field Strength of Spurious Radiation

Test Band = B38 ANT13\_ TM1

Test Channel = low

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3476.4191	45.55	28.70	-46.94	-67.95	-25.00	42.95	Horizontal
2	5142.0000	45.12	31.74	-47.01	-65.41	-25.00	40.41	Horizontal
3	7713.0000	44.13	36.31	-44.06	-58.88	-25.00	33.88	Horizontal
4	10284.0000	38.55	38.74	-40.35	-58.32	-25.00	33.32	Horizontal
5	12855.0000	35.80	39.71	-38.51	-58.26	-25.00	33.26	Horizontal
6	15426.0000	35.66	40.15	-36.92	-56.37	-25.00	31.37	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3429.0172	45.92	28.69	-47.00	-67.65	-25.00	42.65	Vertical
2	5142.0000	44.58	31.74	-47.01	-65.95	-25.00	40.95	Vertical
3	7713.0000	45.29	36.31	-44.06	-57.72	-25.00	32.72	Vertical
4	10284.0000	37.93	38.74	-40.35	-58.94	-25.00	33.94	Vertical
5	12855.0000	35.90	39.71	-38.51	-58.16	-25.00	33.16	Vertical
6	15426.0000	35.56	40.15	-36.92	-56.47	-25.00	31.47	Vertical



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**Test Band = B38 ANT13\_ TM1**  
**Test Channel = mid**

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3388.8156	46.20	28.68	-47.03	-67.41	-25.00	42.41	Horizontal
2	5172.0000	44.51	31.81	-46.96	-65.90	-25.00	40.90	Horizontal
3	7758.0000	43.52	36.30	-44.17	-59.61	-25.00	34.61	Horizontal
4	10344.000	38.30	38.81	-40.31	-58.46	-25.00	33.46	Horizontal
5	12930.000	36.35	39.71	-38.59	-57.79	-25.00	32.79	Horizontal
6	15516.000	36.03	39.84	-37.74	-57.13	-25.00	32.13	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3684.0274	46.16	28.99	-47.48	-67.59	-25.00	42.59	Vertical
2	5172.0000	44.73	31.81	-46.96	-65.68	-25.00	40.68	Vertical
3	7758.0000	43.47	36.30	-44.17	-59.66	-25.00	34.66	Vertical
4	10344.000	38.62	38.81	-40.31	-58.14	-25.00	33.14	Vertical
5	12930.000	36.78	39.71	-38.59	-57.36	-25.00	32.36	Vertical
6	15516.000	35.92	39.84	-37.74	-57.24	-25.00	32.24	Vertical



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**Test Band = B38 ANT13\_ TM1**  
**Test Channel = high**

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4107.0443	45.23	29.65	-47.24	-67.62	-25.00	42.62	Horizontal
2	5202.0000	44.58	31.89	-46.92	-65.71	-25.00	40.71	Horizontal
3	7803.0000	42.56	36.28	-44.26	-60.68	-25.00	35.68	Horizontal
4	10404.000	38.46	38.89	-40.47	-58.38	-25.00	33.38	Horizontal
5	13005.000	36.71	39.71	-38.68	-57.52	-25.00	32.52	Horizontal
6	15606.000	36.19	39.54	-36.91	-56.44	-25.00	31.44	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3507.0203	45.47	28.71	-46.95	-68.03	-25.00	43.03	Vertical
2	5202.0000	44.33	31.89	-46.92	-65.96	-25.00	40.96	Vertical
3	7803.0000	44.01	36.28	-44.26	-59.23	-25.00	34.23	Vertical
4	10404.000	38.88	38.89	-40.47	-57.96	-25.00	32.96	Vertical
5	13005.000	37.06	39.71	-38.68	-57.17	-25.00	32.17	Vertical
6	15606.000	36.40	39.54	-36.91	-56.23	-25.00	31.23	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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