



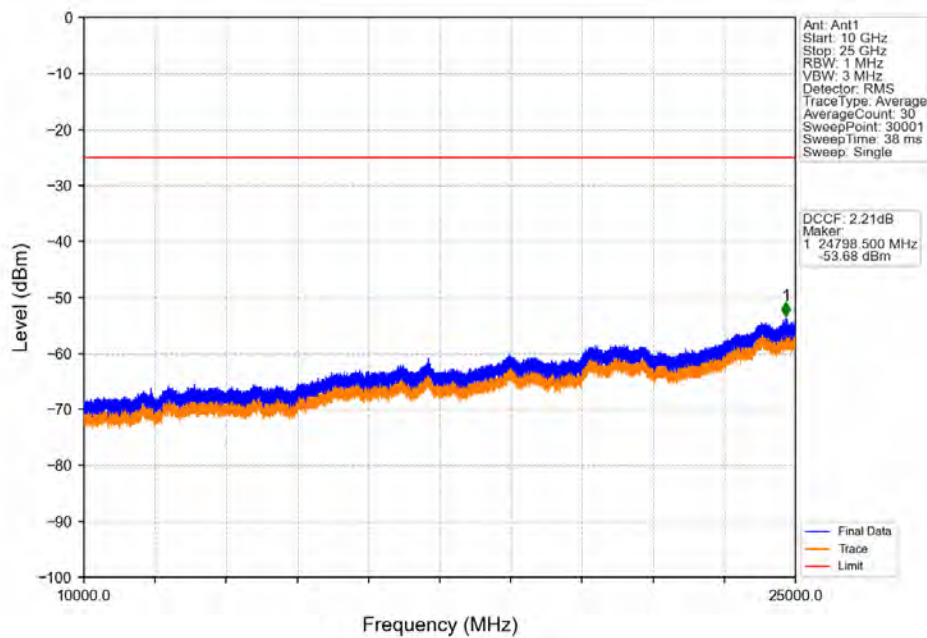
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Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



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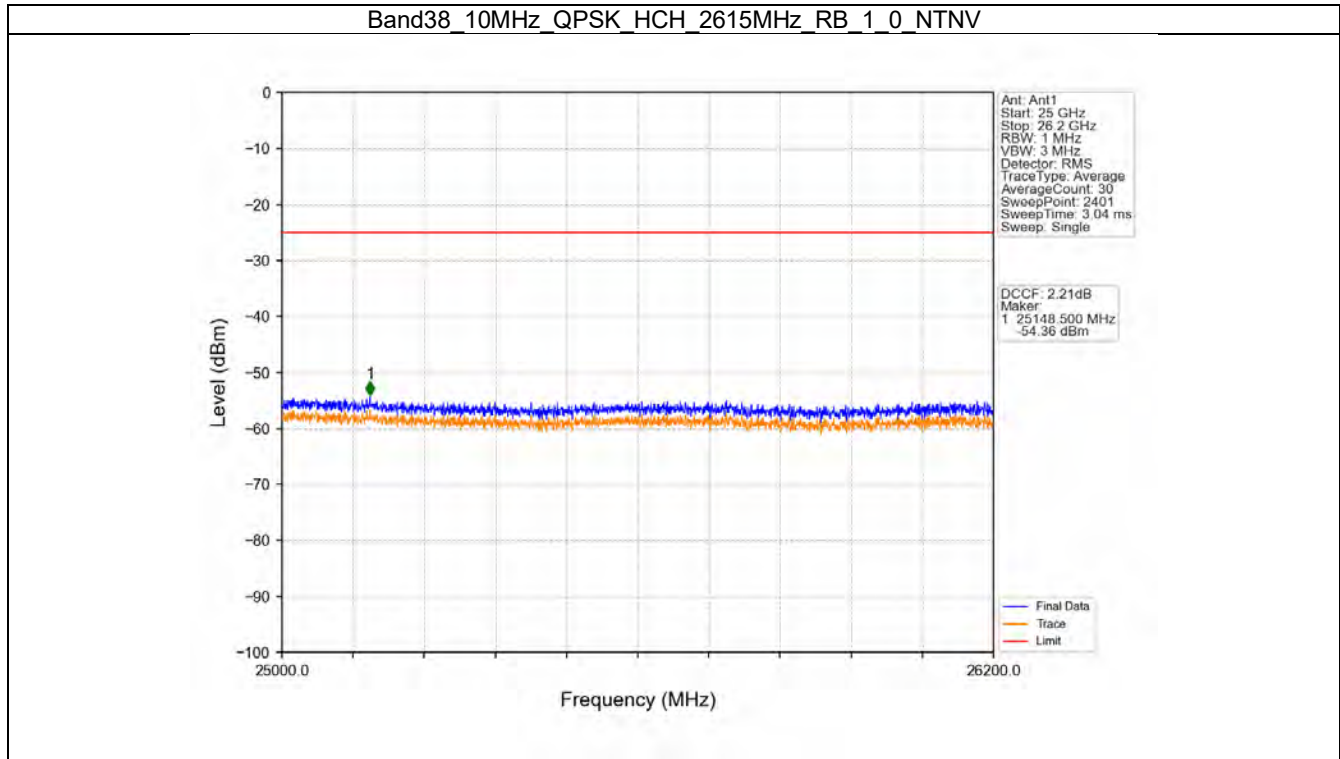


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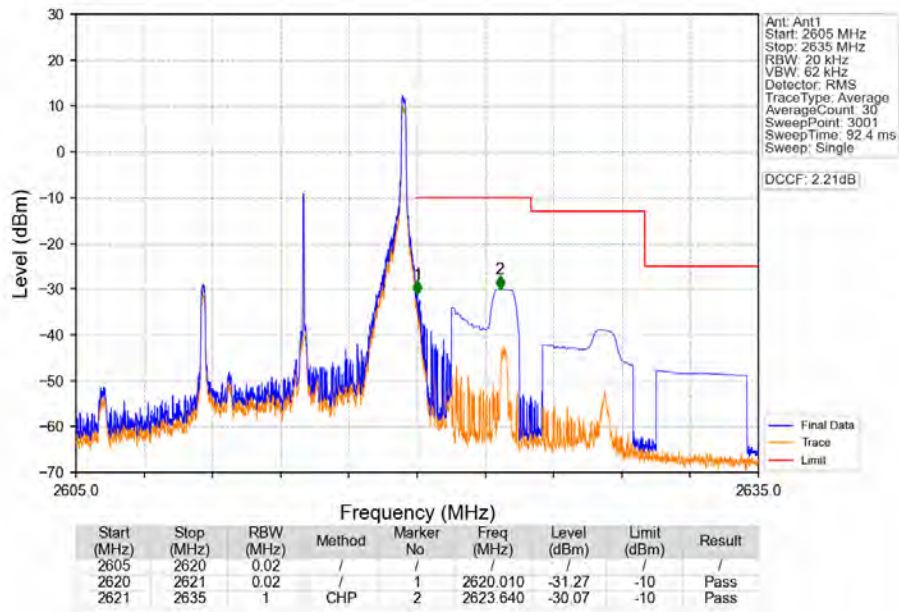
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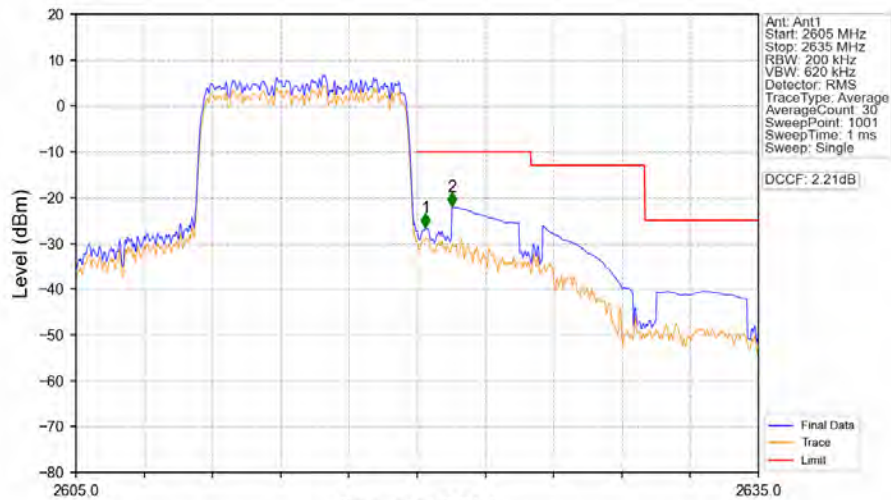
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.2	/	/	/	/	/	/
2620	2621	0.2	/	1	2620.360	-26.61	-10	Pass
2621	2635	1	CHP	2	2621.530	-22.03	-10	Pass



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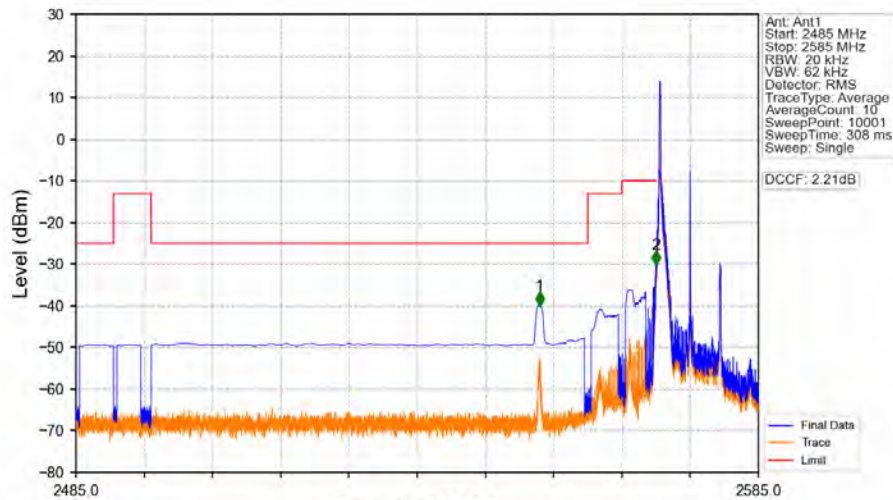
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Band38_10MHz_16QAM_LCH_2575MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2552.910	-40.07	-25	Pass
2569	2570	0.02	/	2	2570.000	-30.20	-10	Pass
2570	2585	0.02	/	/	/	/	/	/



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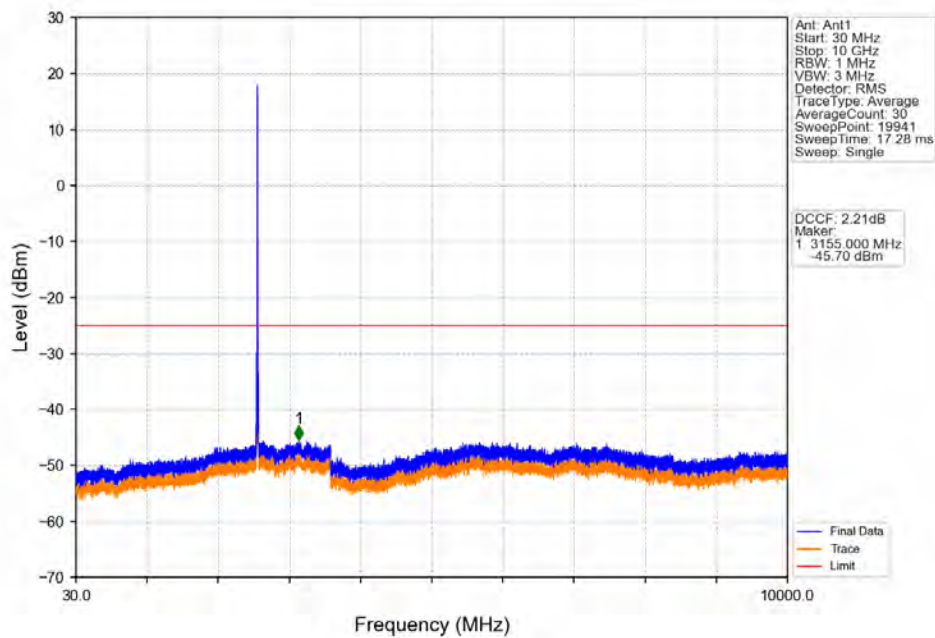
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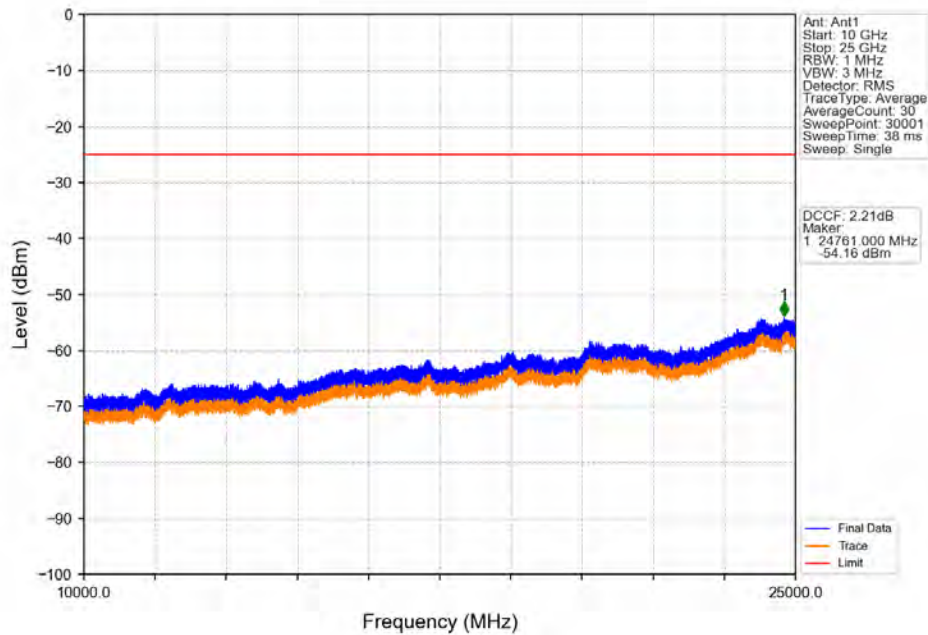
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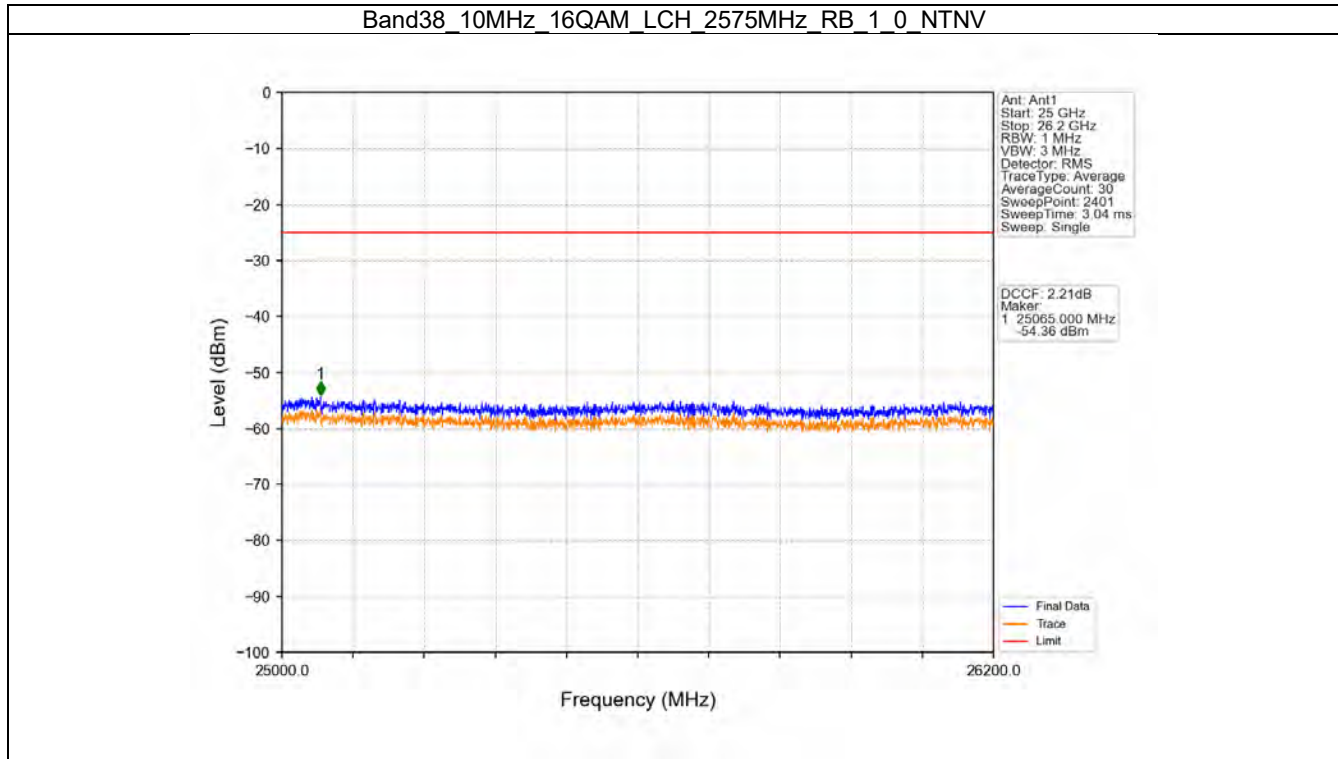


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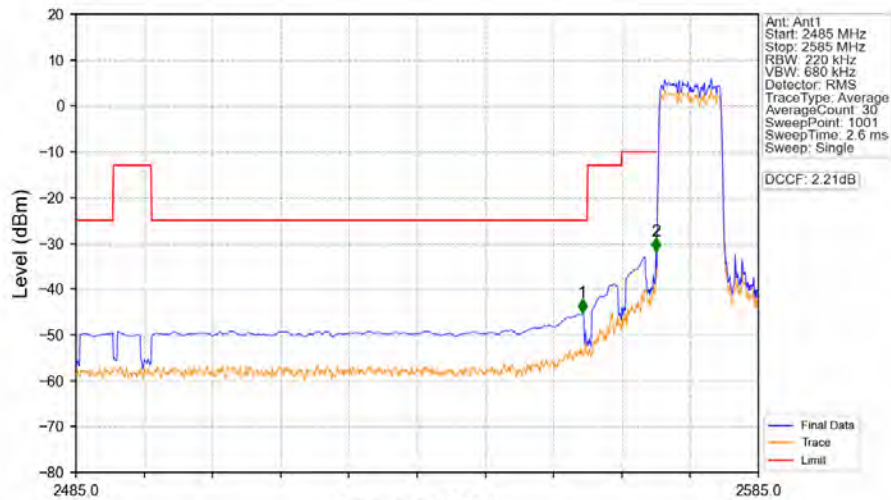
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2559.200	-45.17	-25	Pass
2569	2570	0.22	/	2	2570.000	-31.76	-10	Pass
2570	2585	0.22	/	/	/	/	/	/



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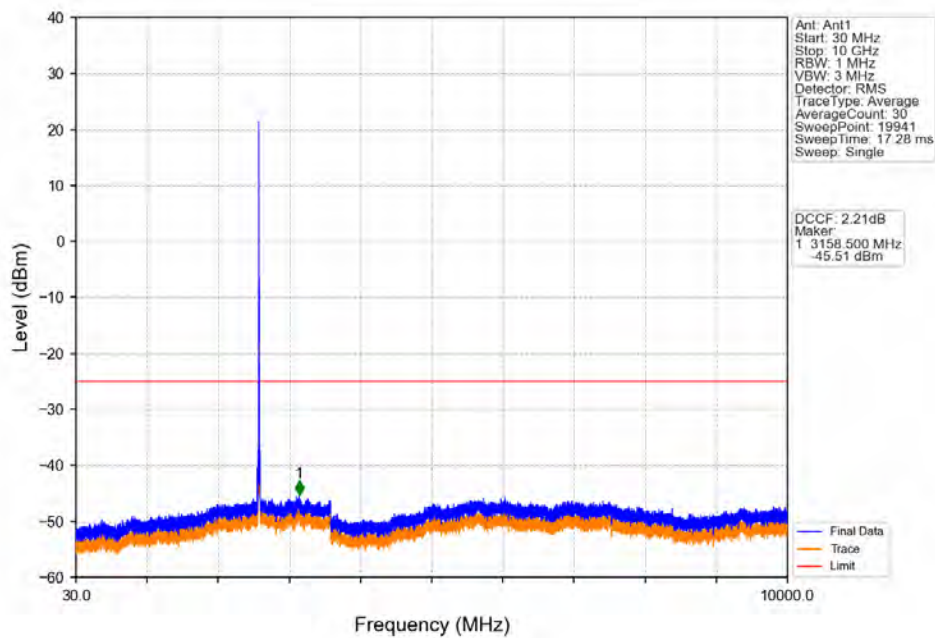
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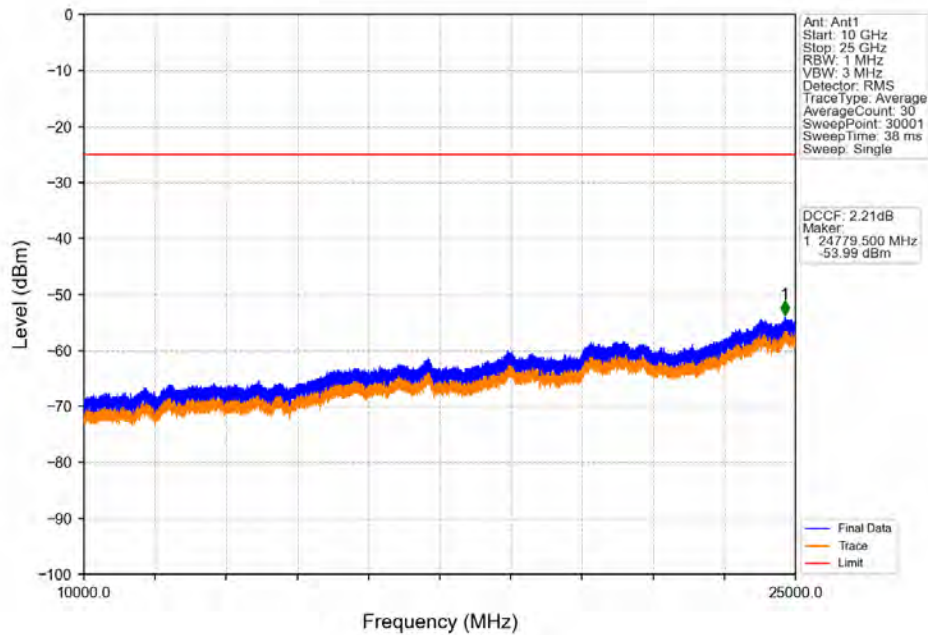
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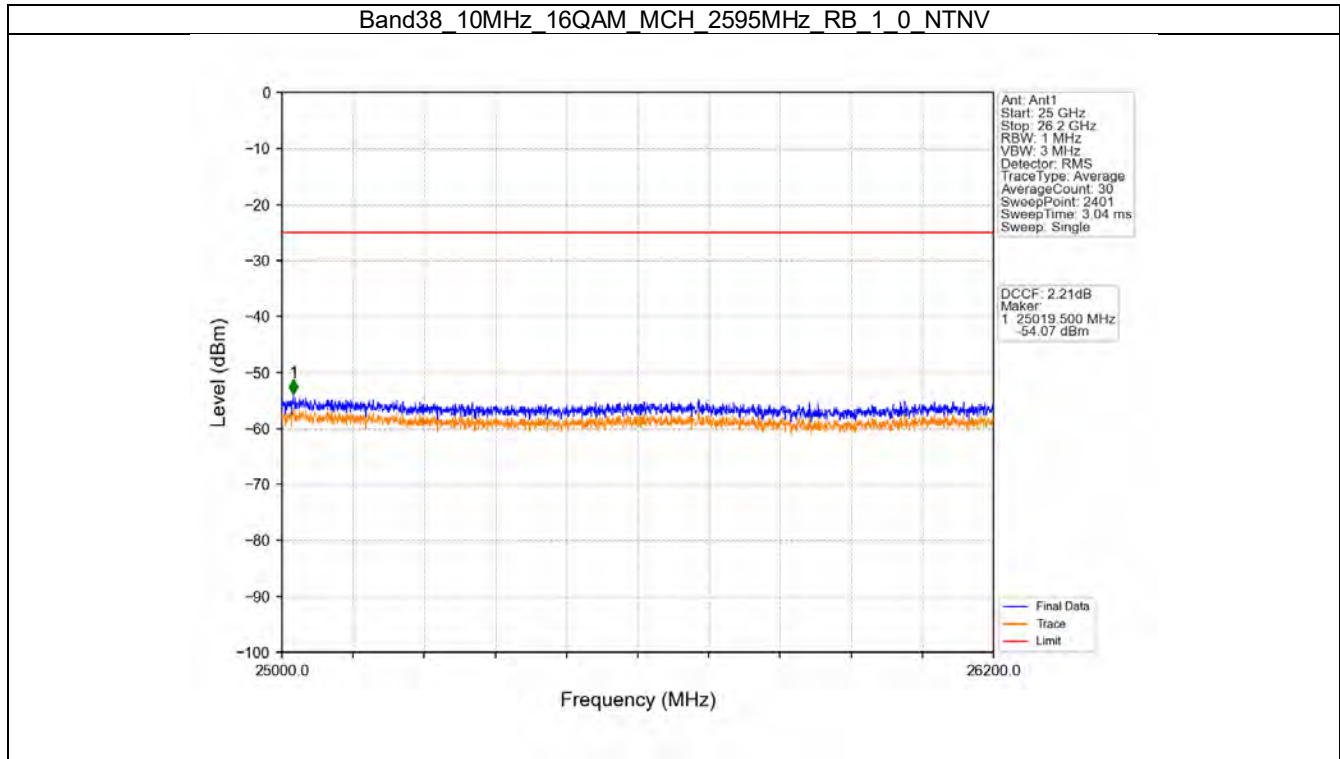


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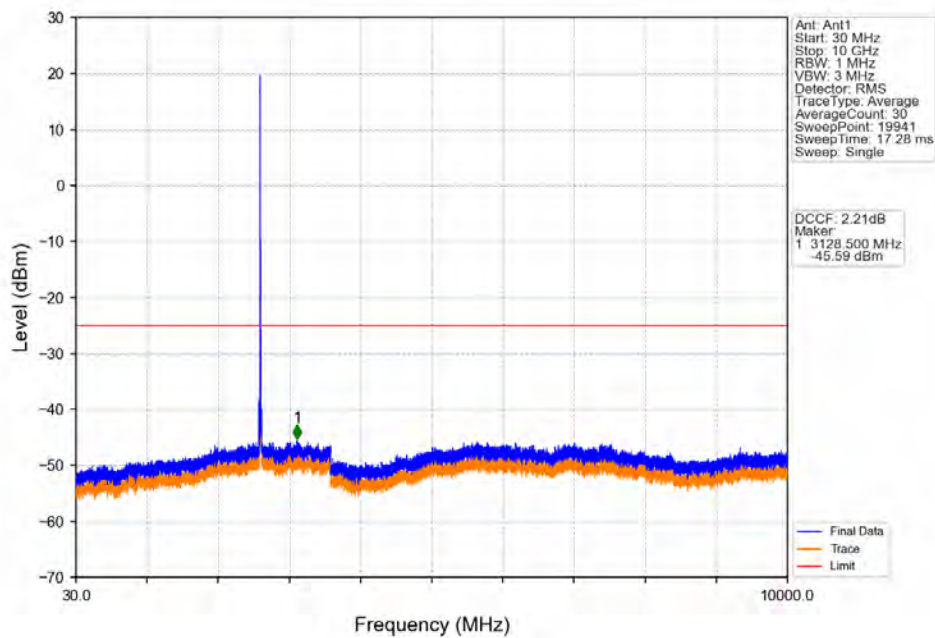
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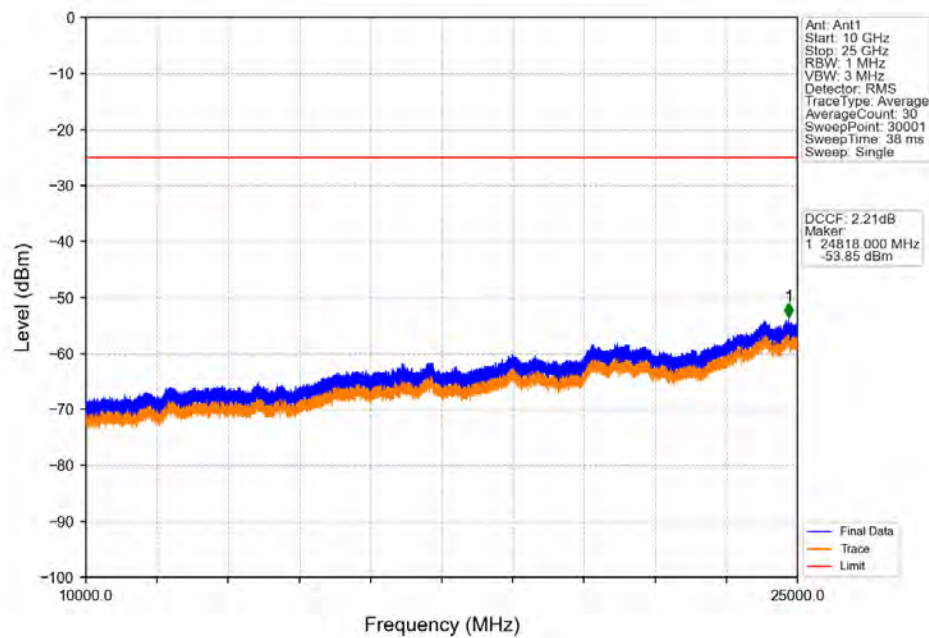
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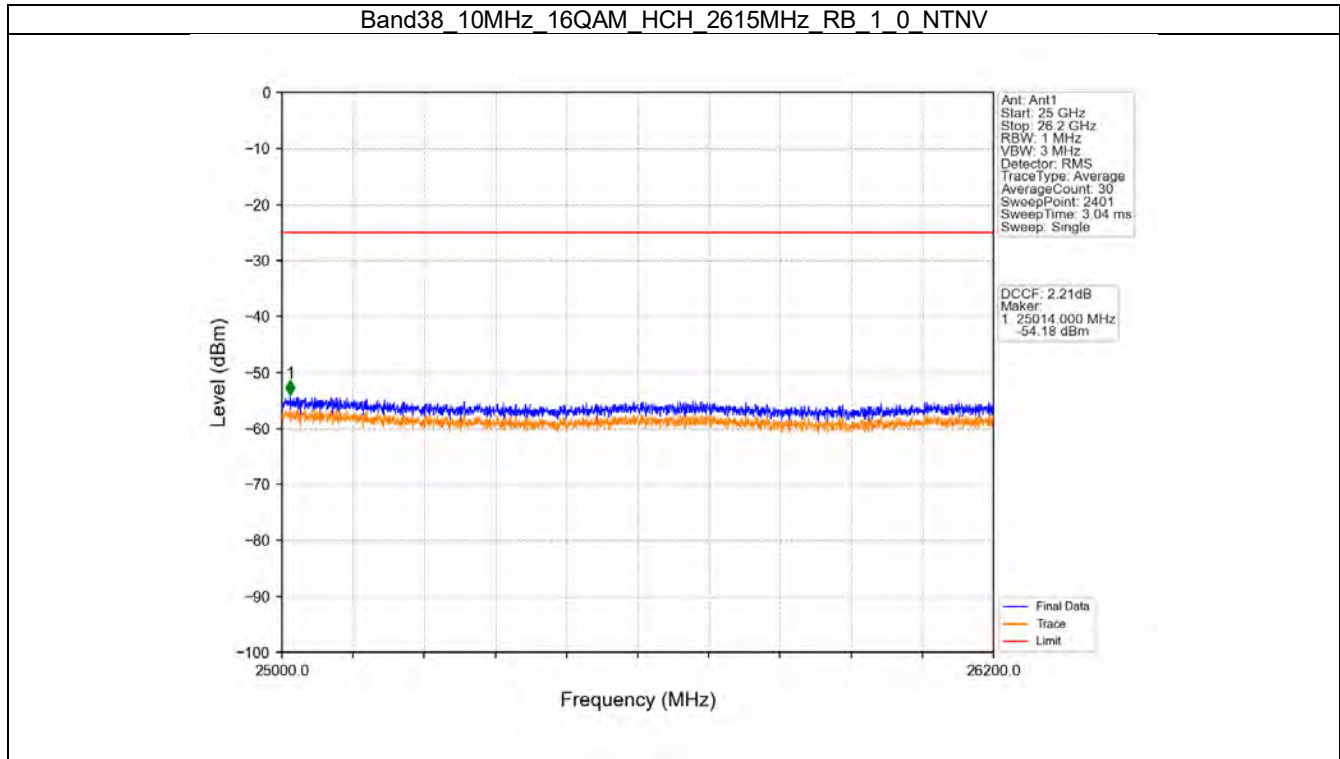


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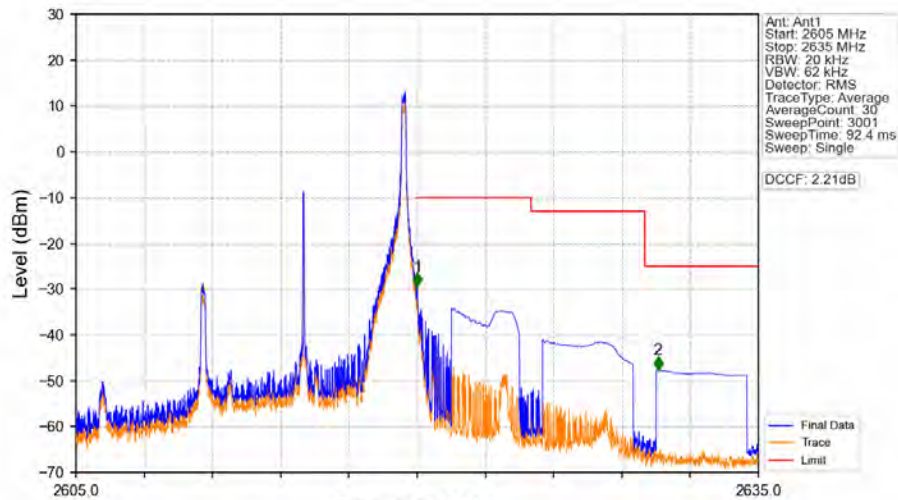
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Band38_10MHz_16QAM_HCH_2615MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	/	1	2620.010	-29.43	-10	Pass
2620	2621	0.02	/	2	2630.590	-47.71	-25	Pass



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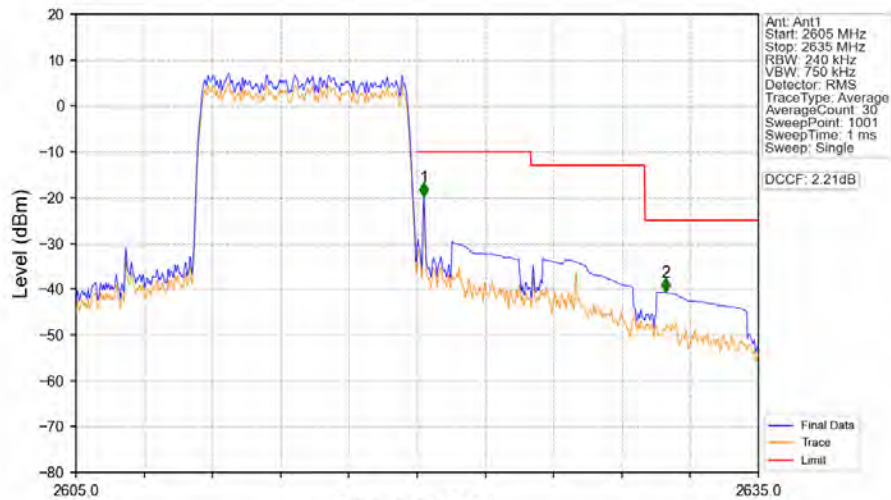
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Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.24	/	/	/	/	/	/
2620	2621	0.24	/	1	2620.300	-19.81	-10	Pass
2621	2635	1	CHP	2	2630.920	-40.66	-25	Pass



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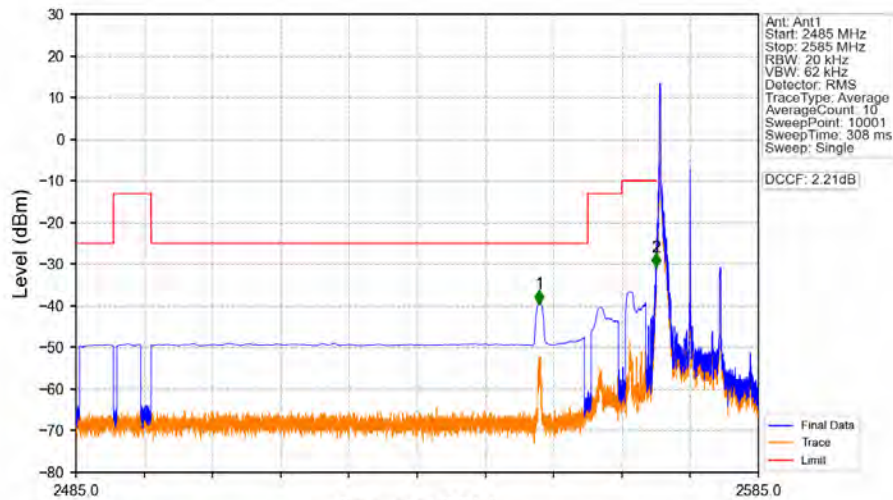
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Band38_10MHz_64QAM_LCH_2575MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2552.880	-39.55	-25	Pass
2569	2570	0.02	/	2	2569.960	-30.81	-10	Pass
2570	2585	0.02	/	/	/	/	/	/



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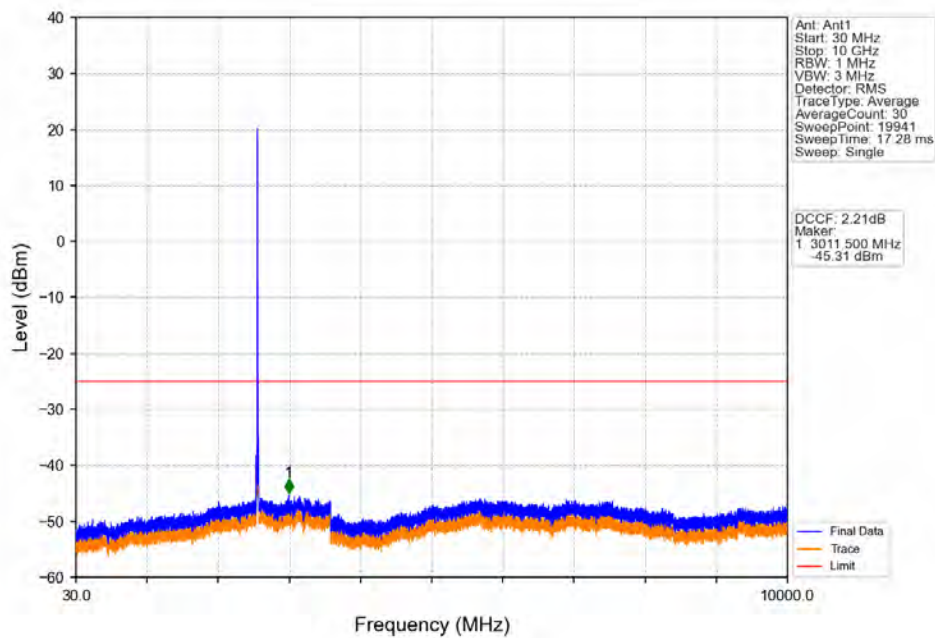
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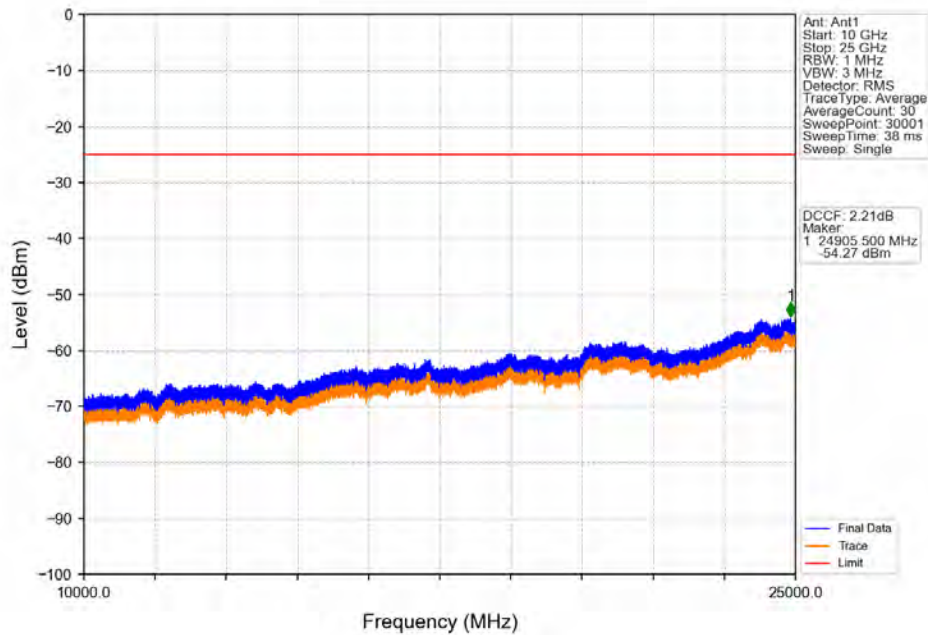
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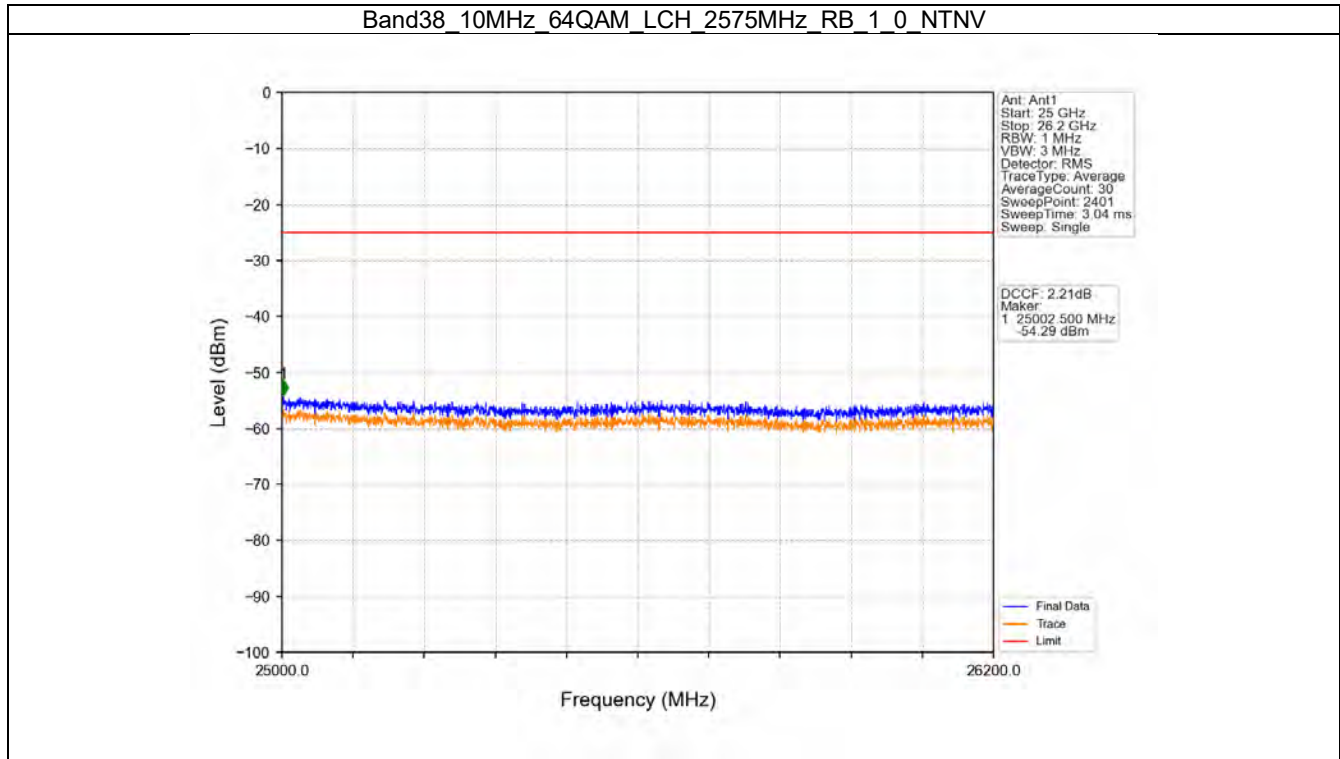


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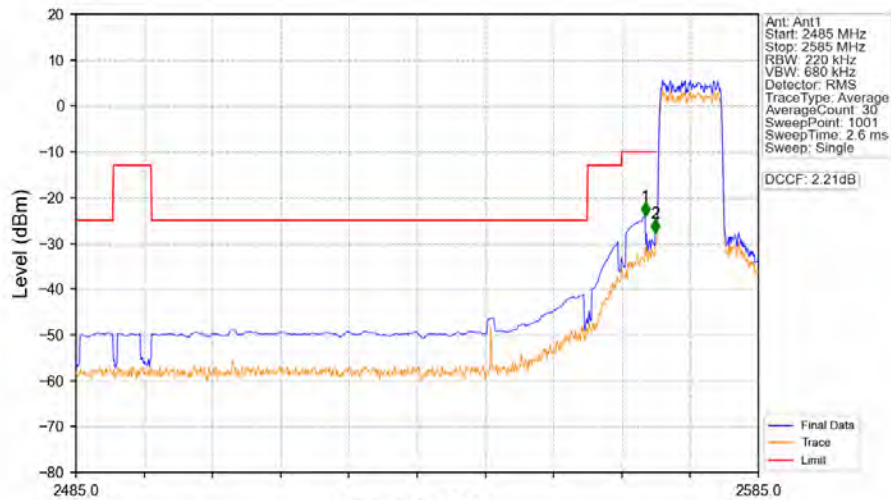
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Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2568.400	-24.14	-10	Pass
2569	2570	0.22	/	2	2569.900	-27.84	-10	Pass
2570	2585	0.22	/	/	/	/	/	/



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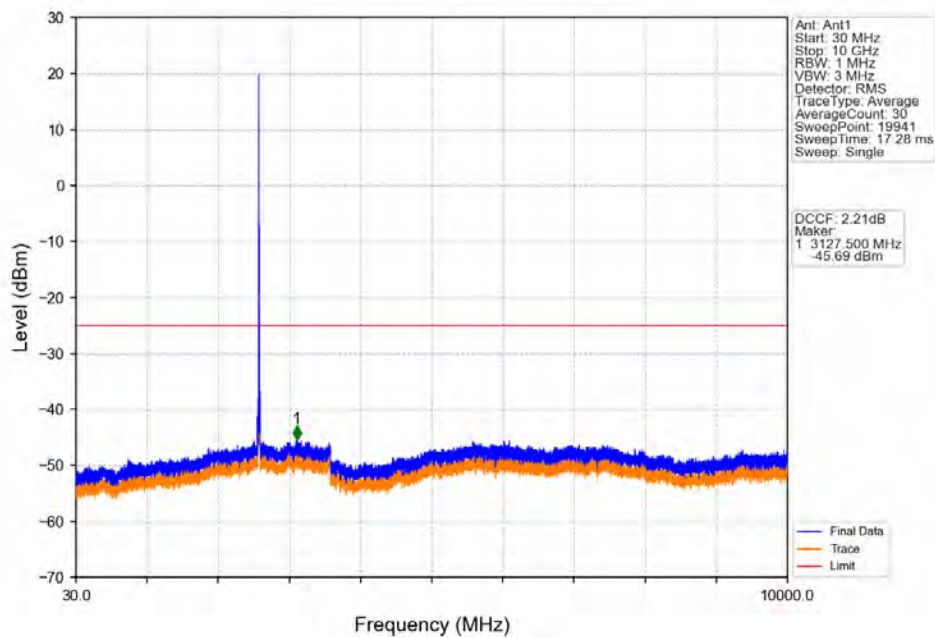
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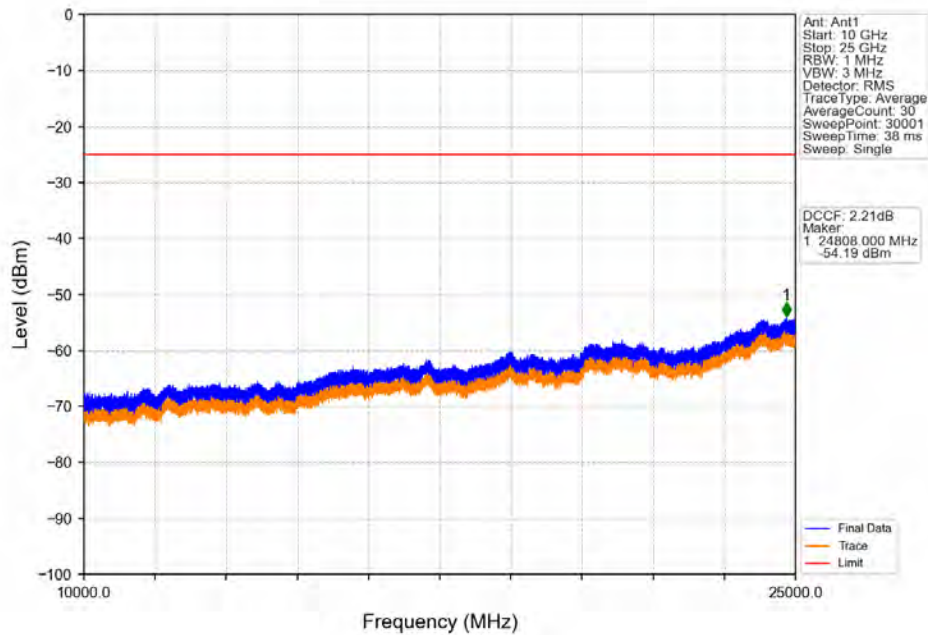
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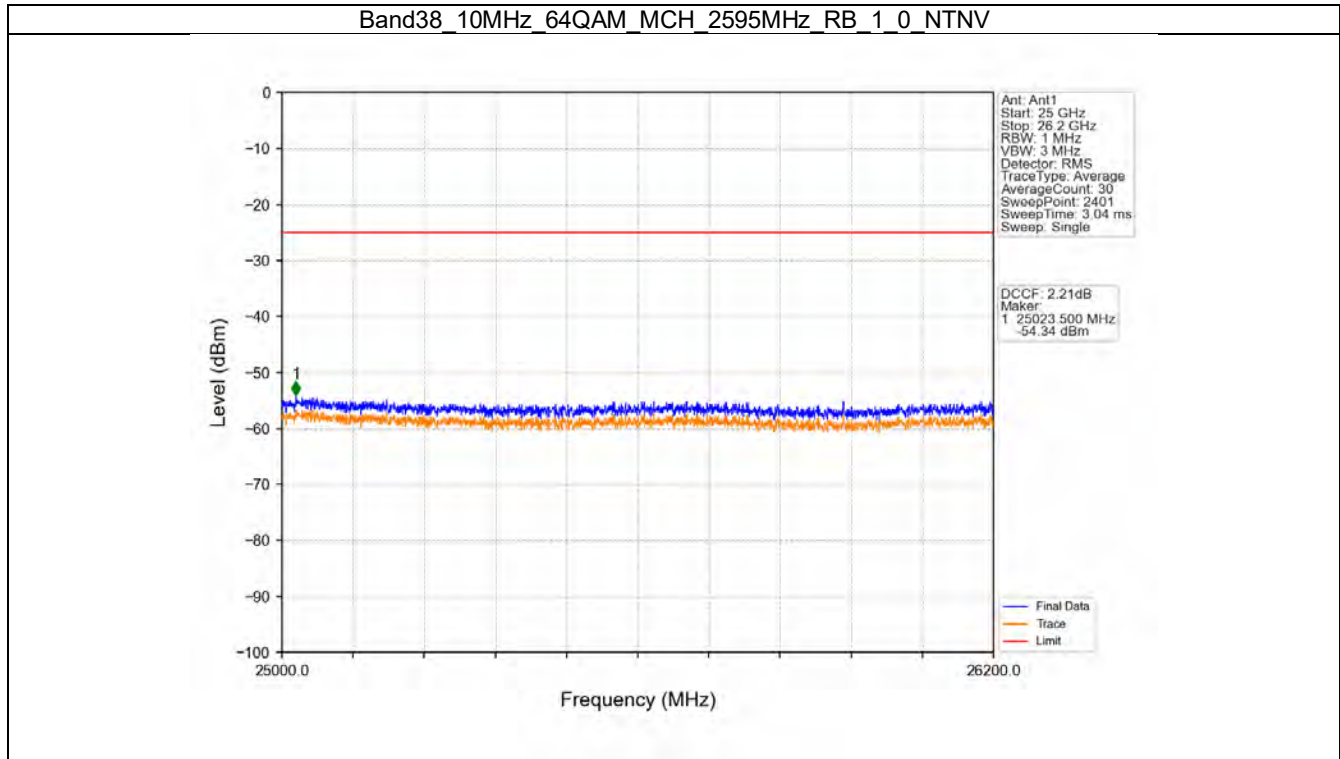


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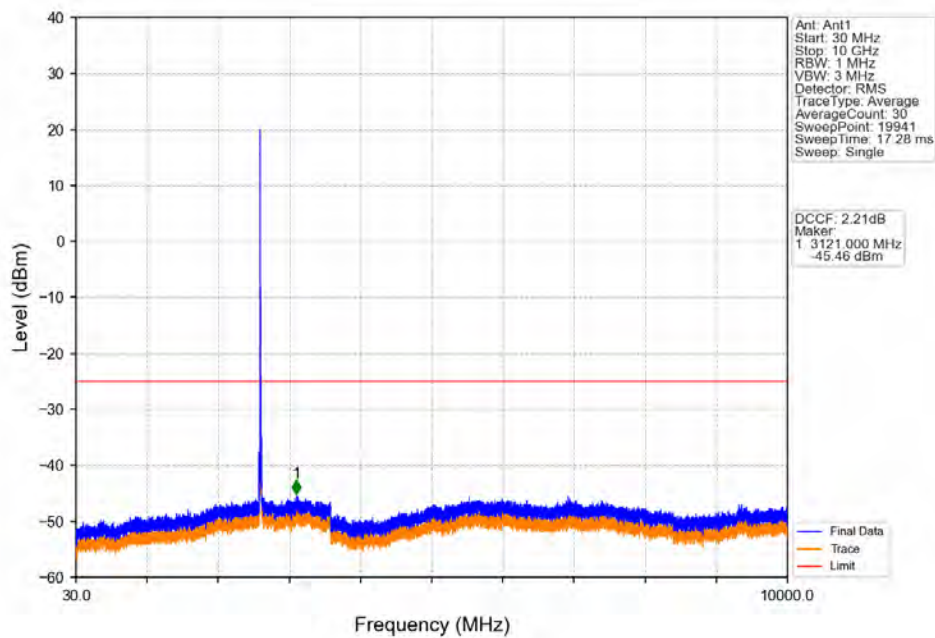
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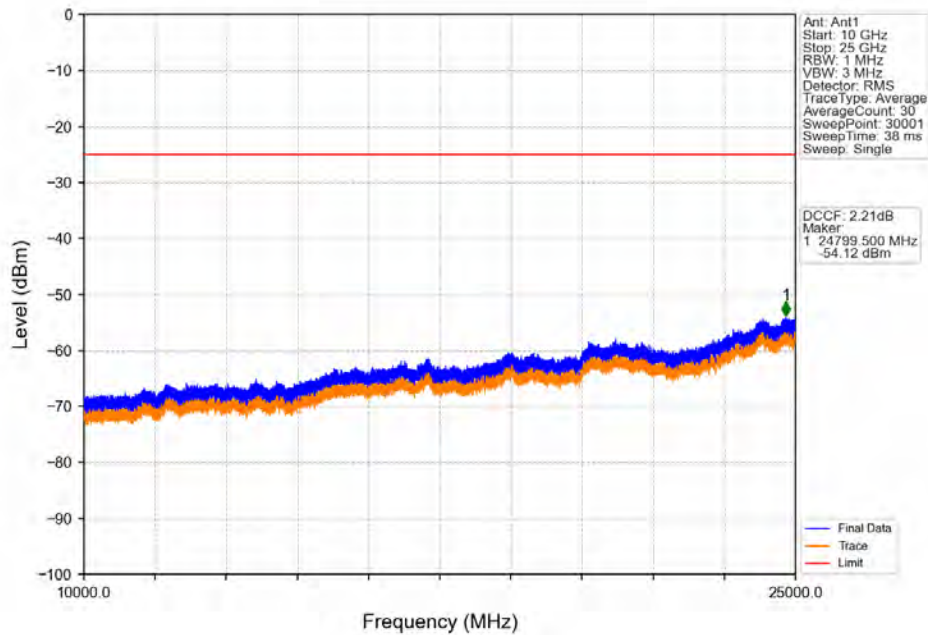
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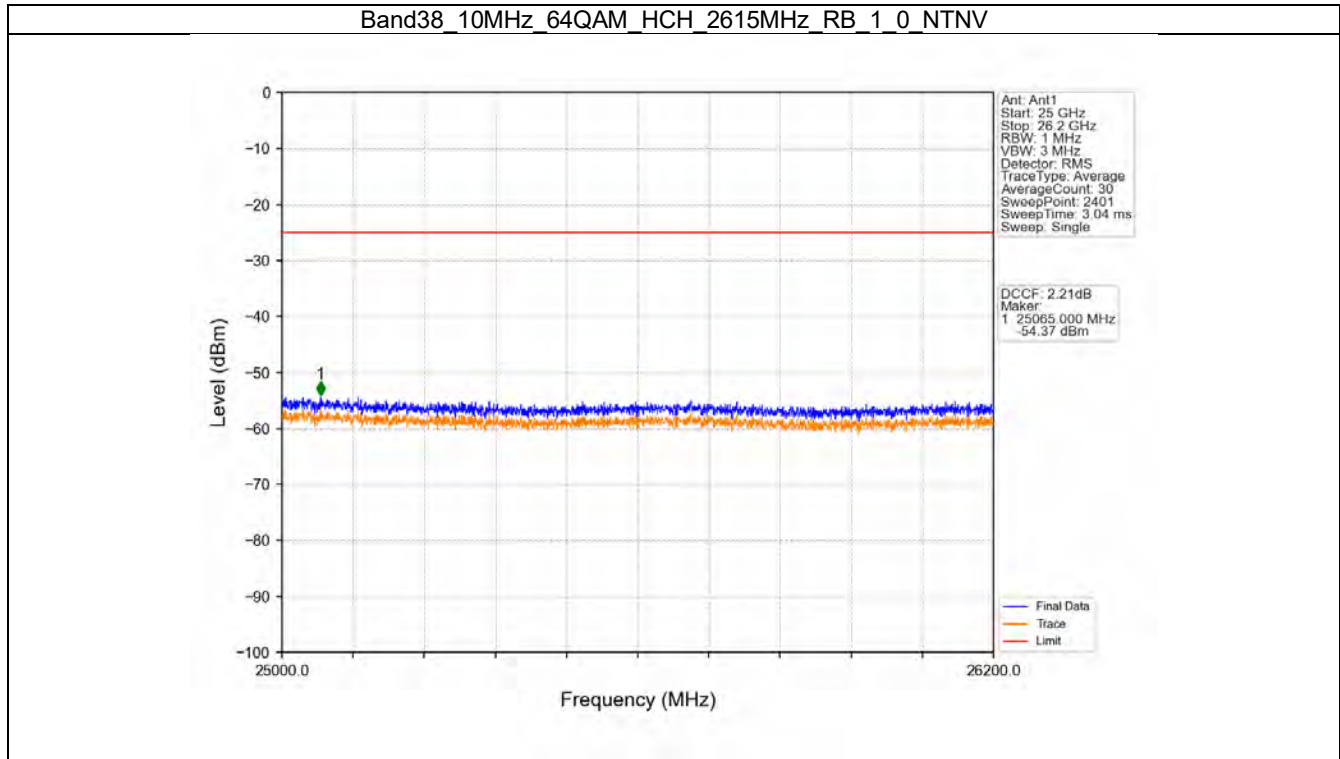


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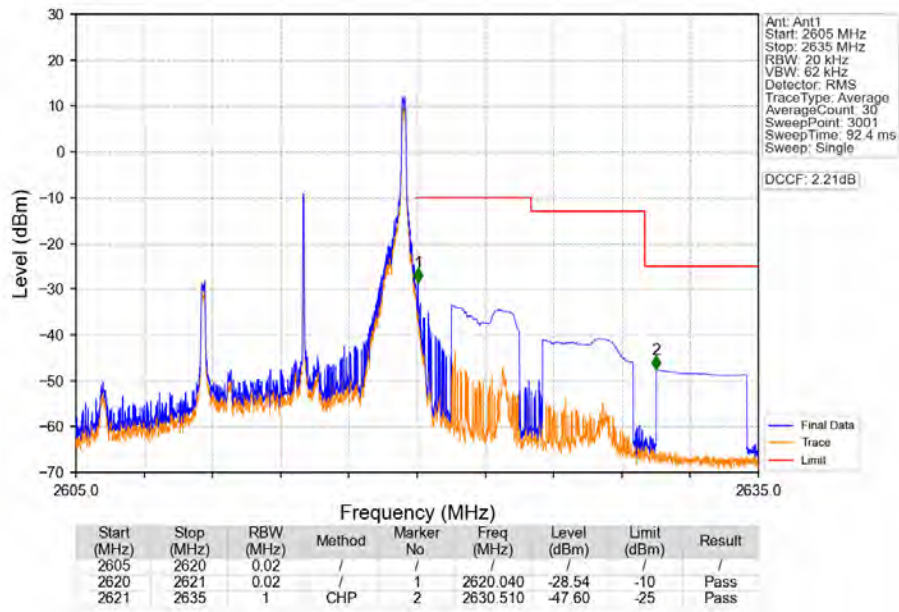
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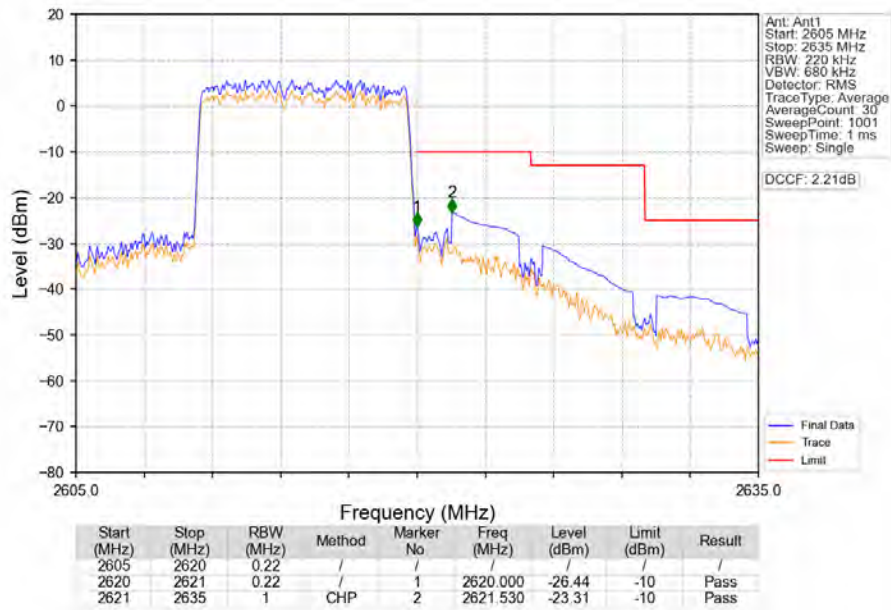
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Band38_10MHz_64QAM_HCH_2615MHz_RB_50_0_NTNV



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5.3 B38_15MHz

5.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
64QAM	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



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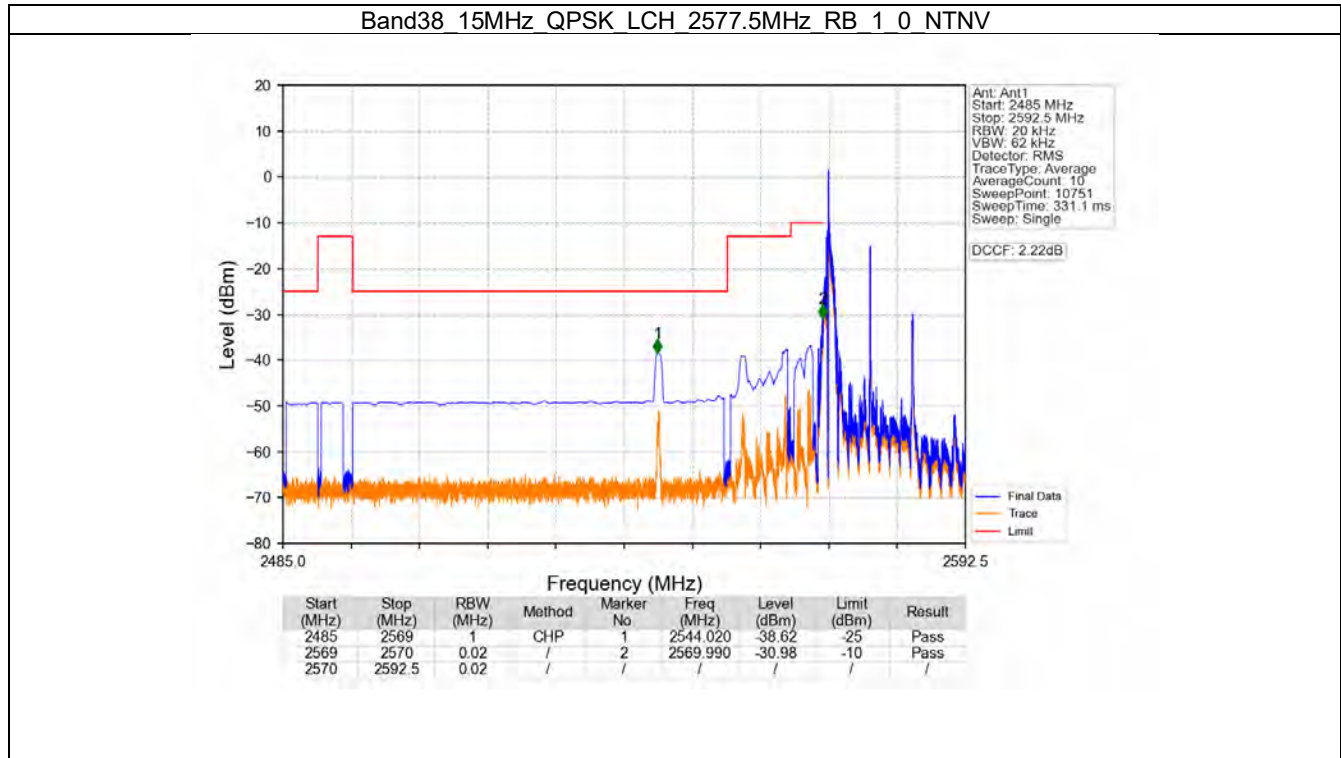
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5.3.2 Test Graph



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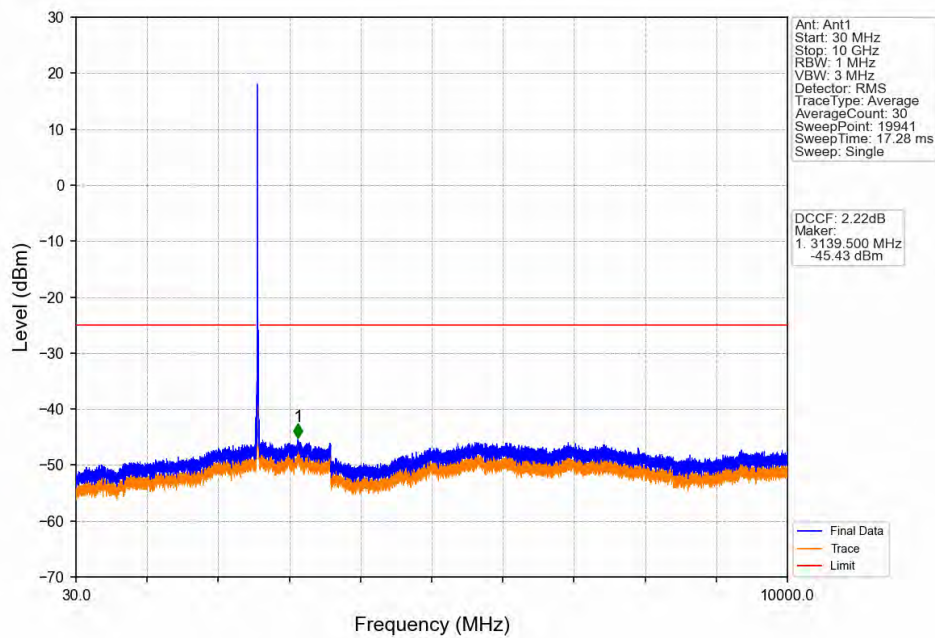
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Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



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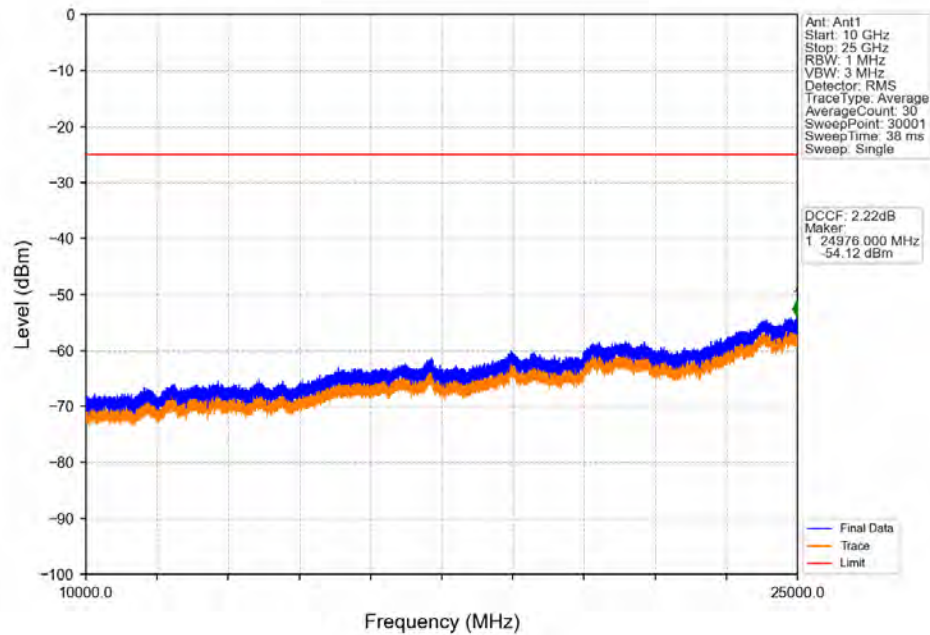
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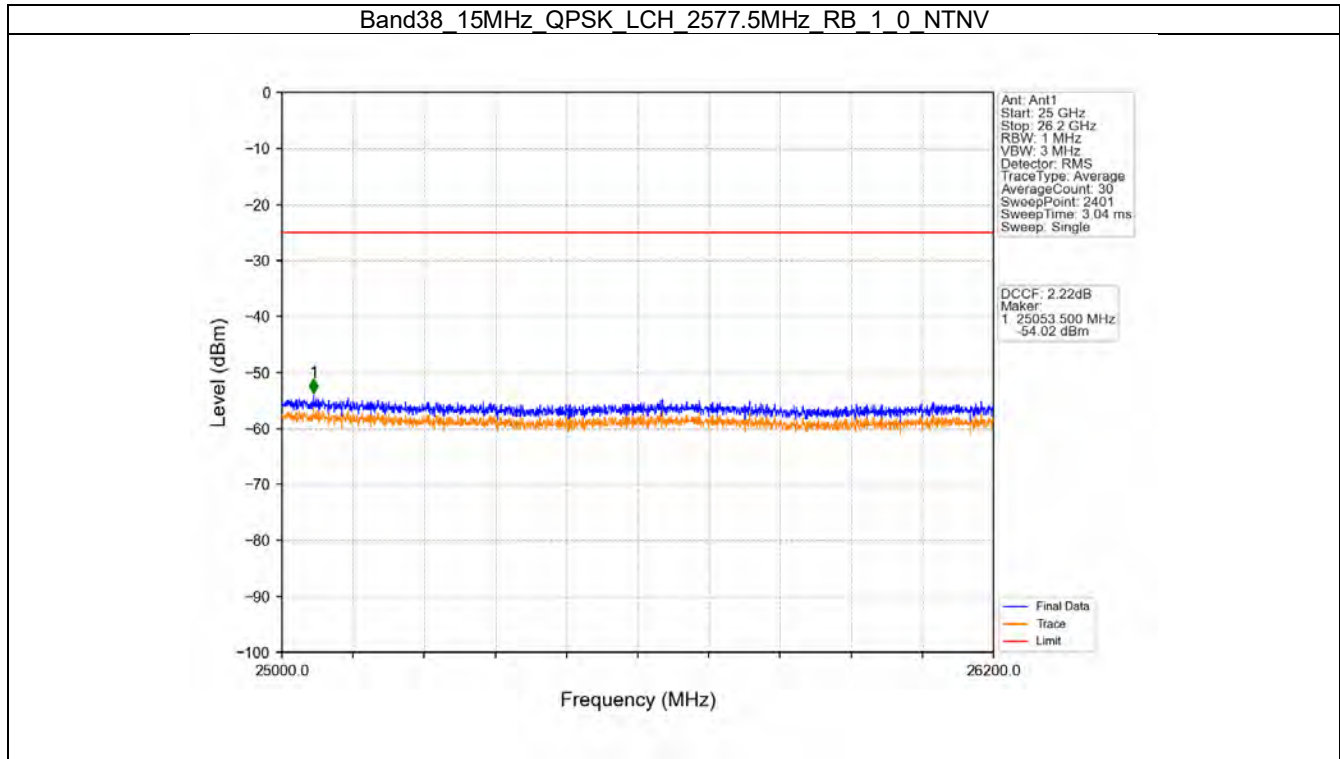


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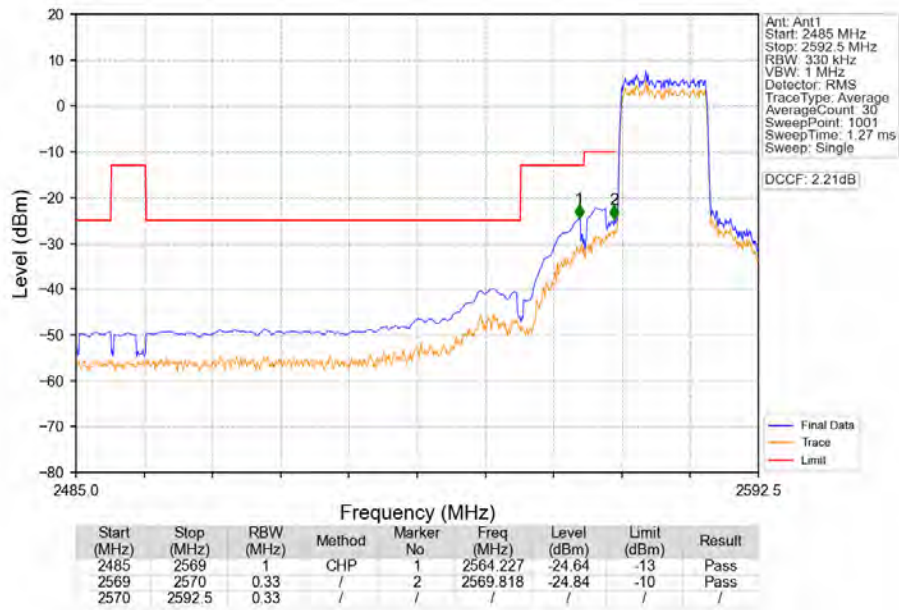
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Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



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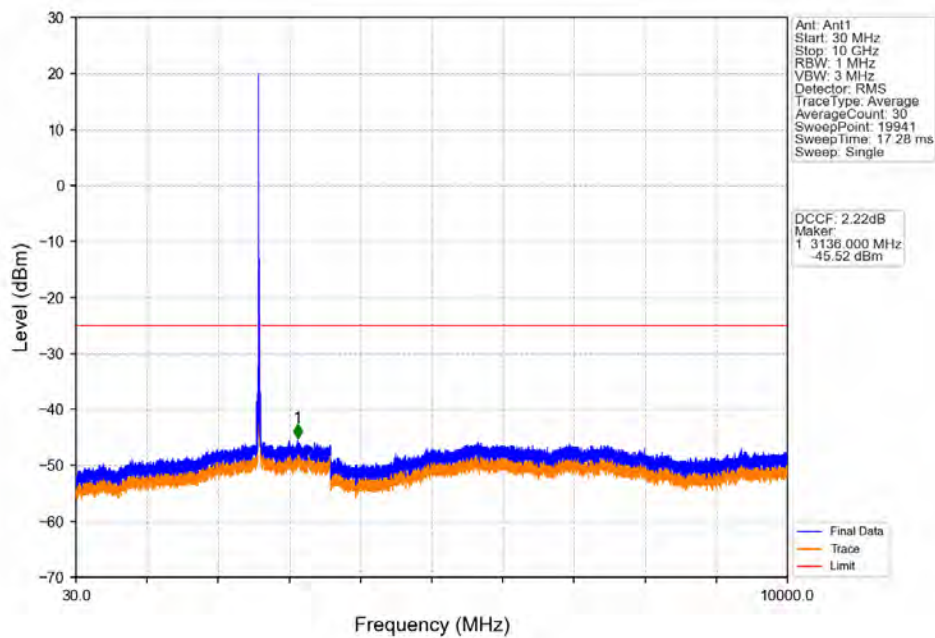
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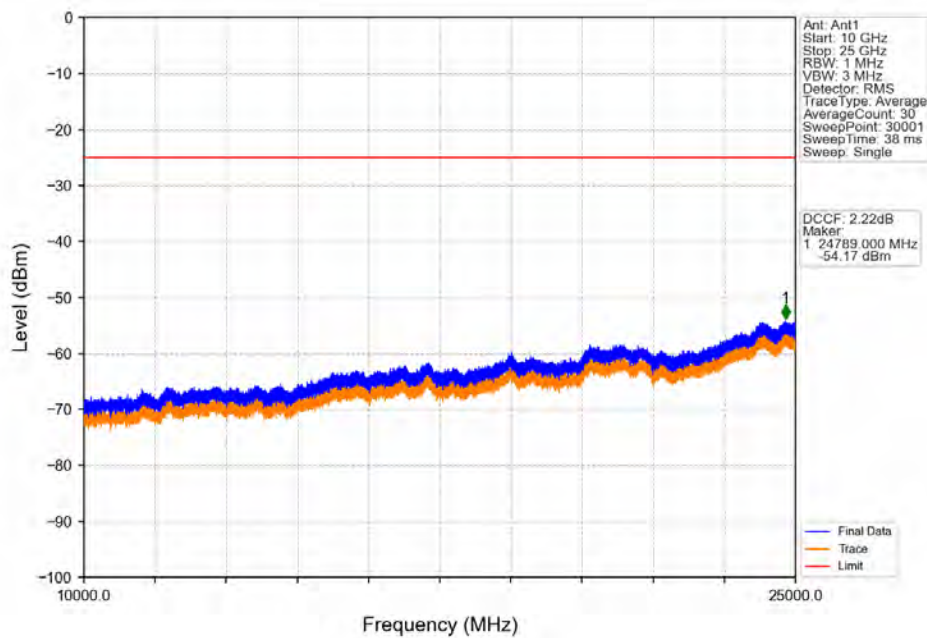
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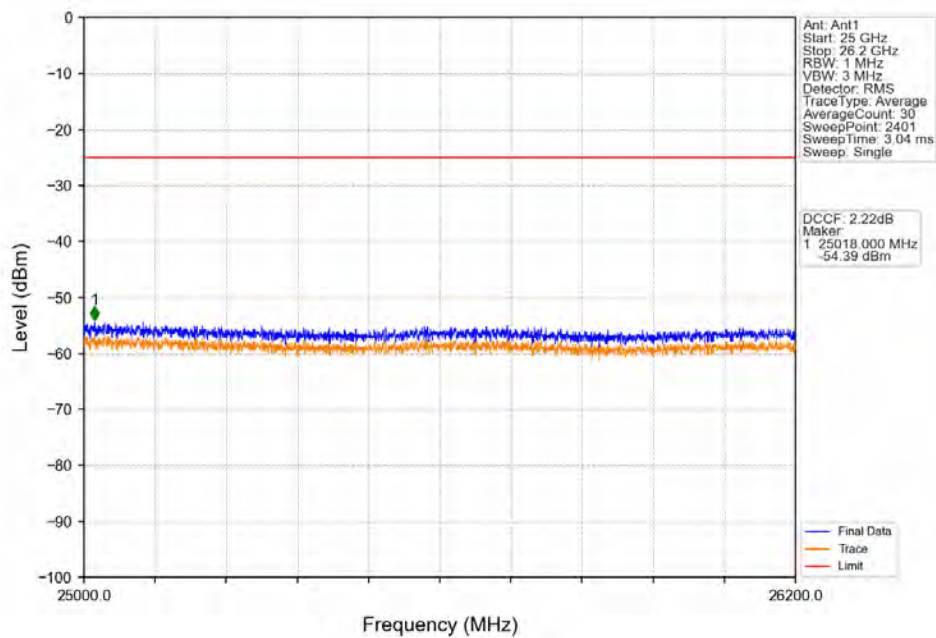
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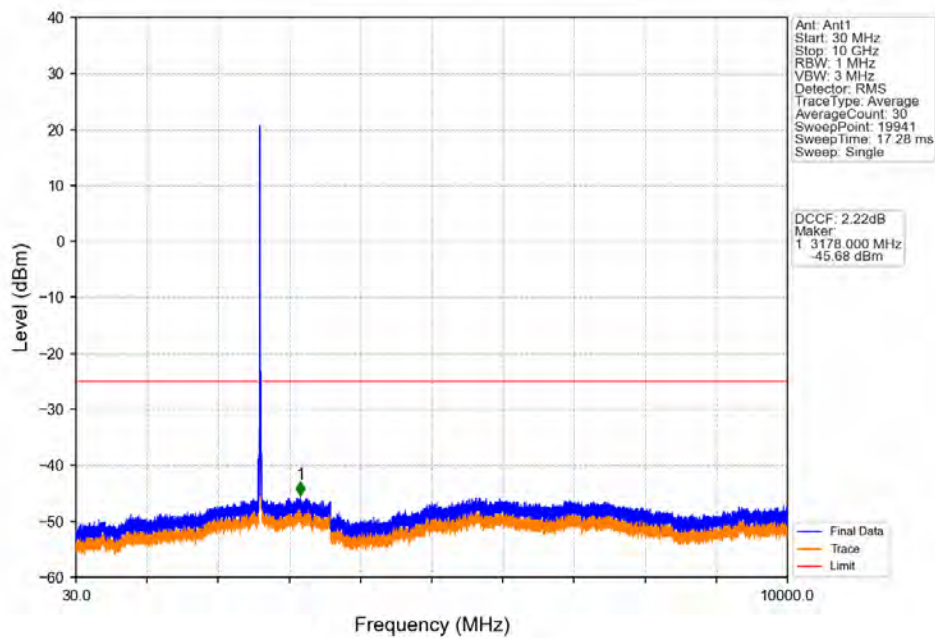
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



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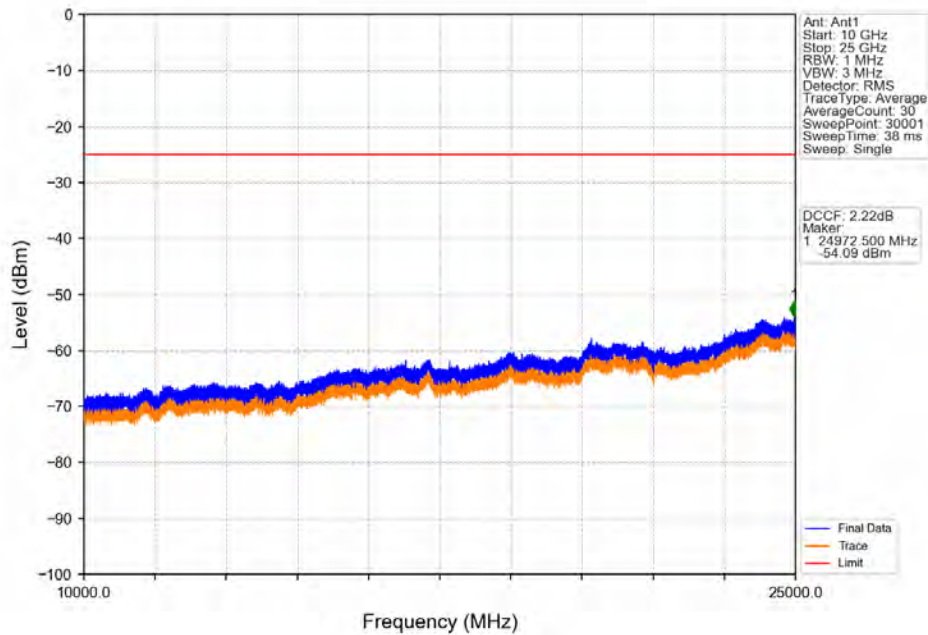
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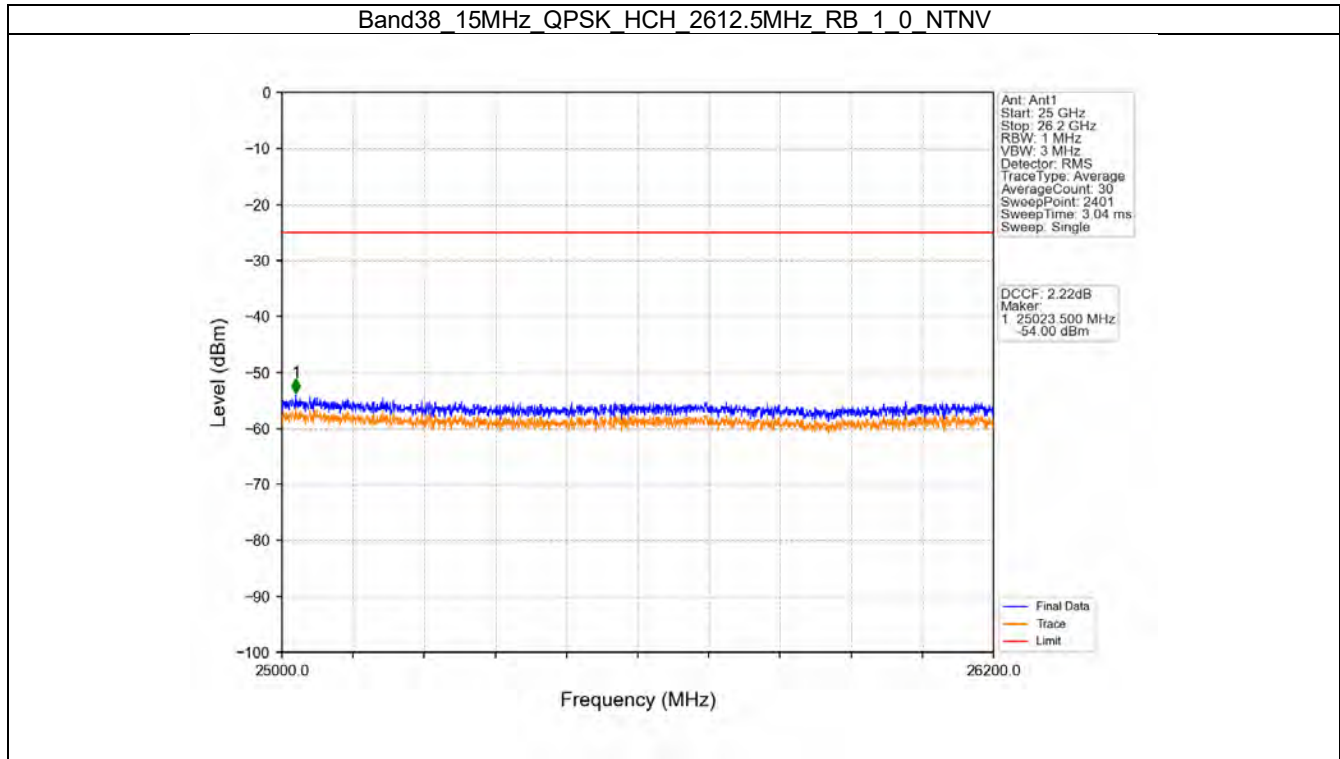


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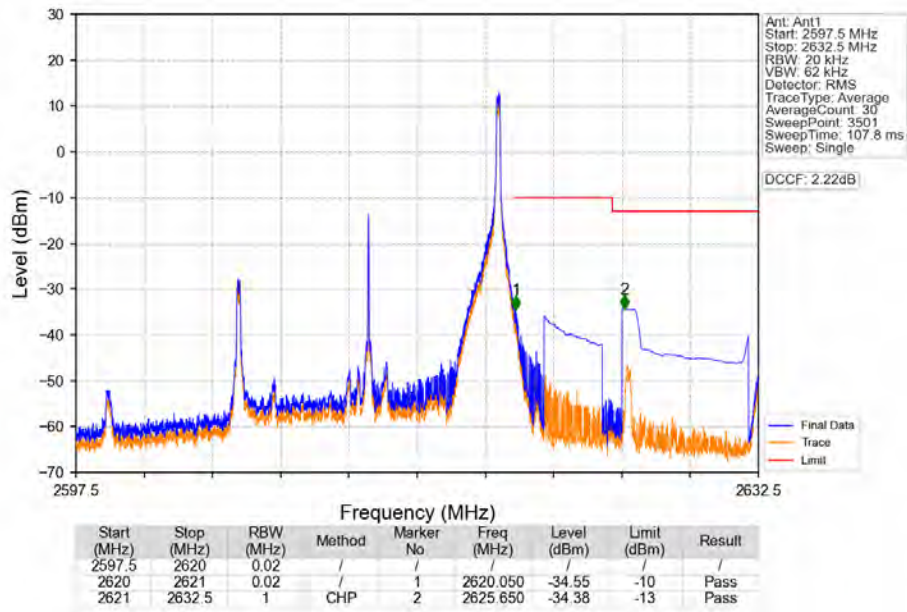
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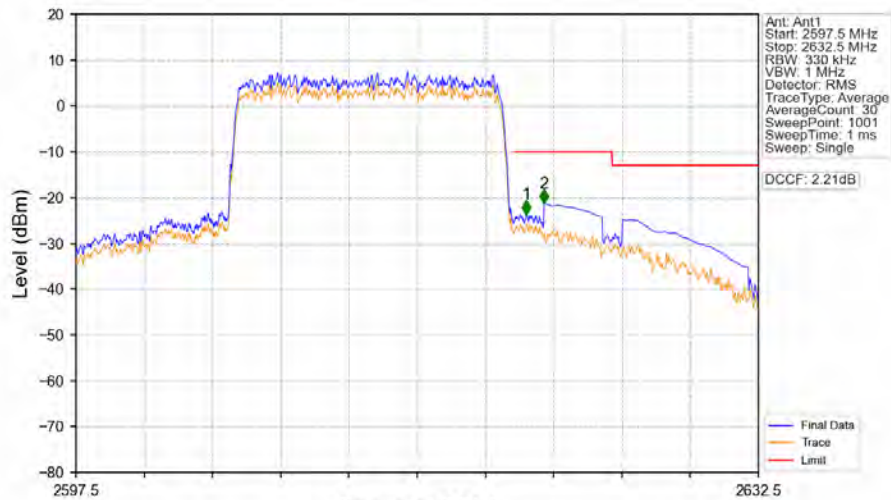
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



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	2620.600	-23.66	-10	Pass
2621	2632.5	1	CHP	2	2621.510	-21.27	-10	Pass



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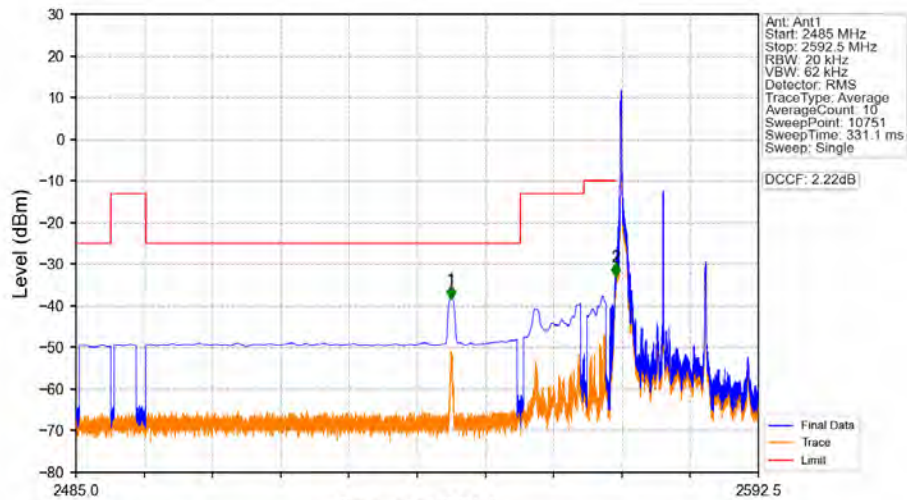
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Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2544.060	-38.52	-25	Pass
2569	2570	0.02	/	2	2570.000	-33.14	-10	Pass
2570	2592.5	0.02	/	/	/	/	/	/



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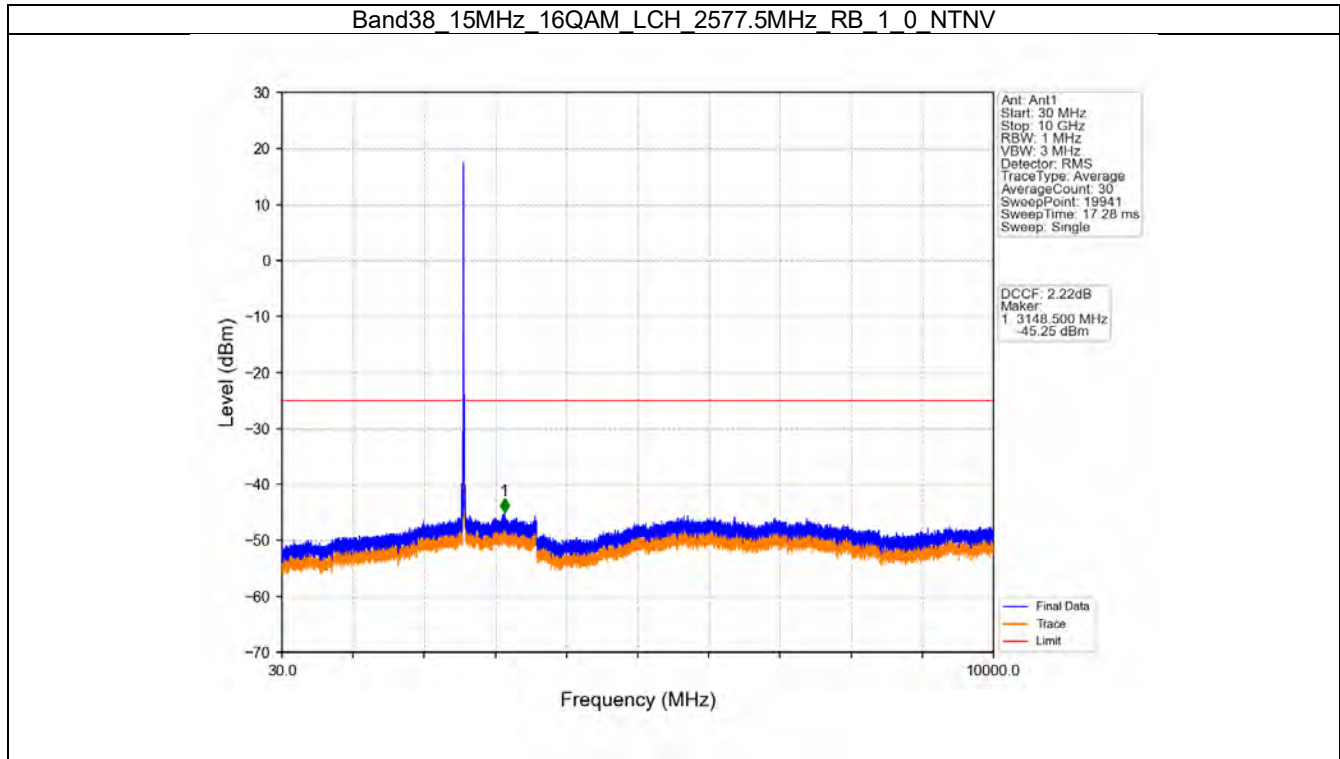


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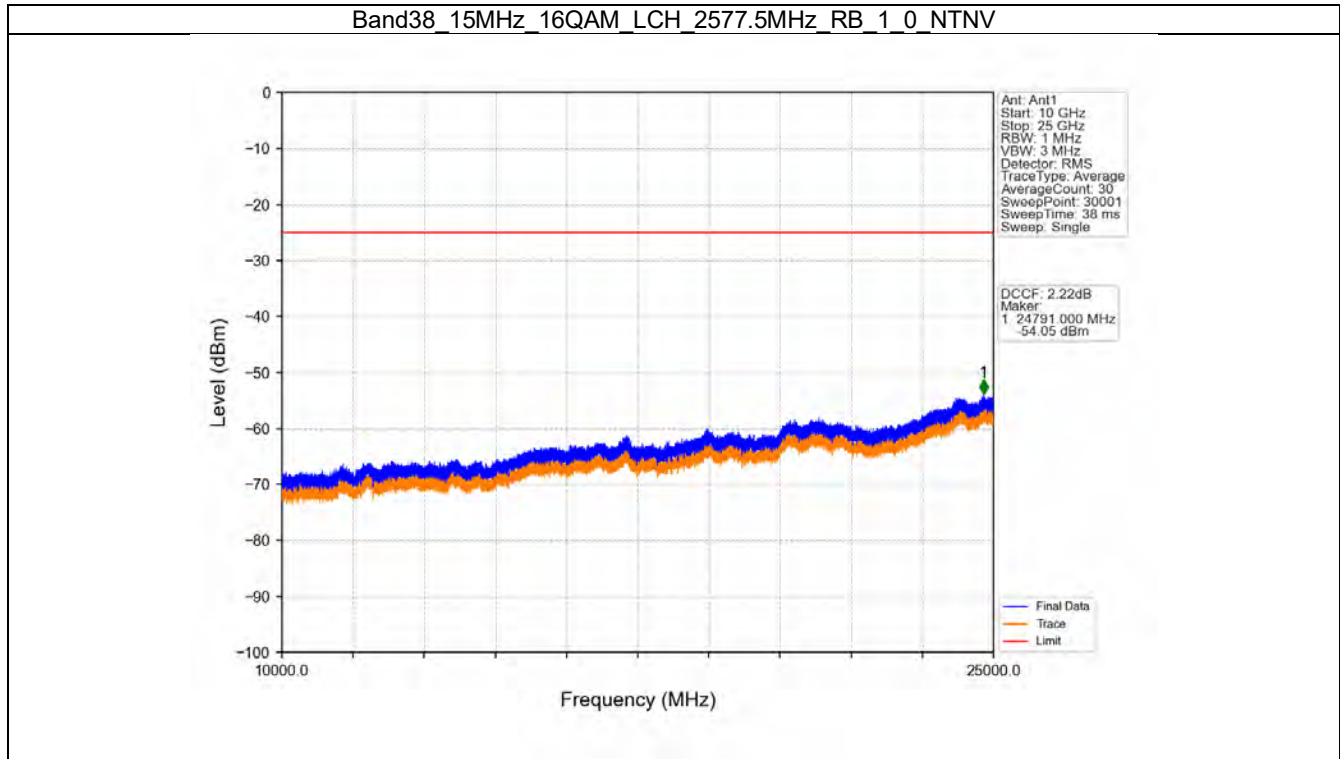


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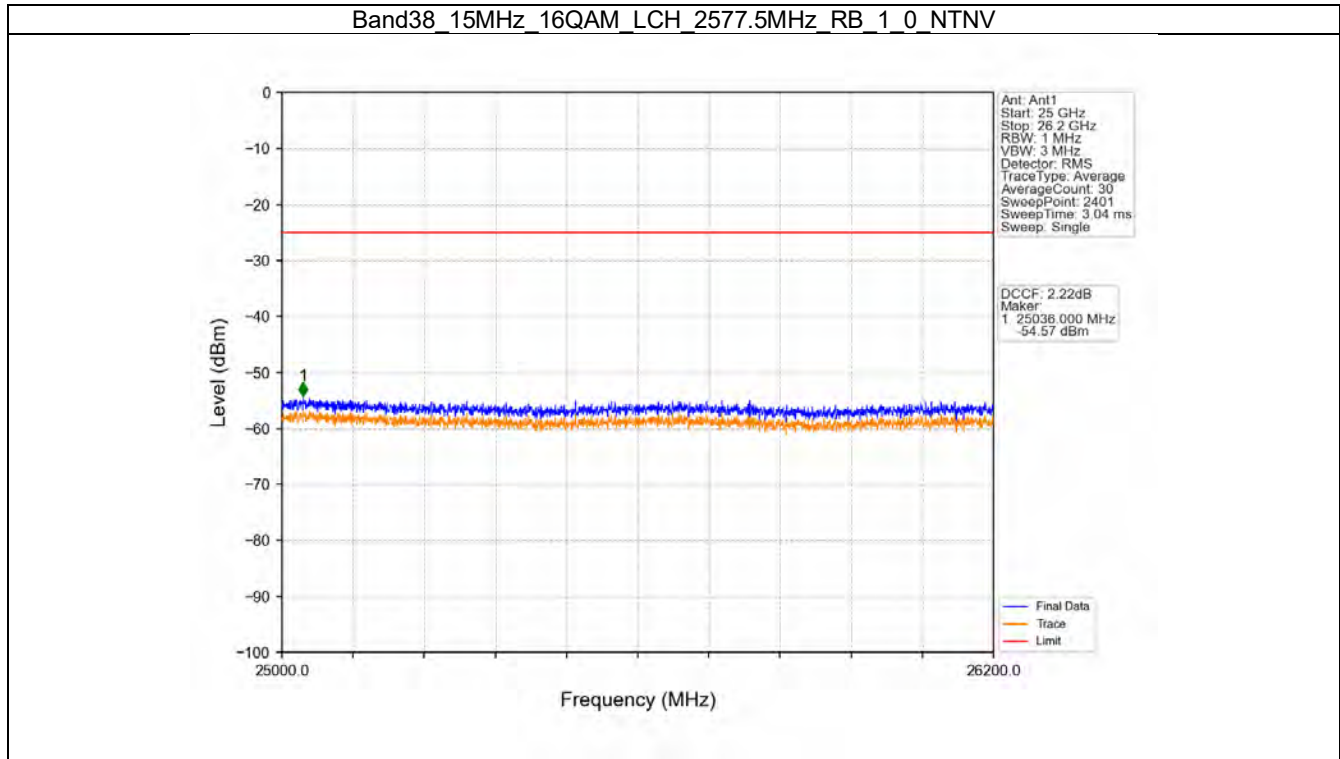


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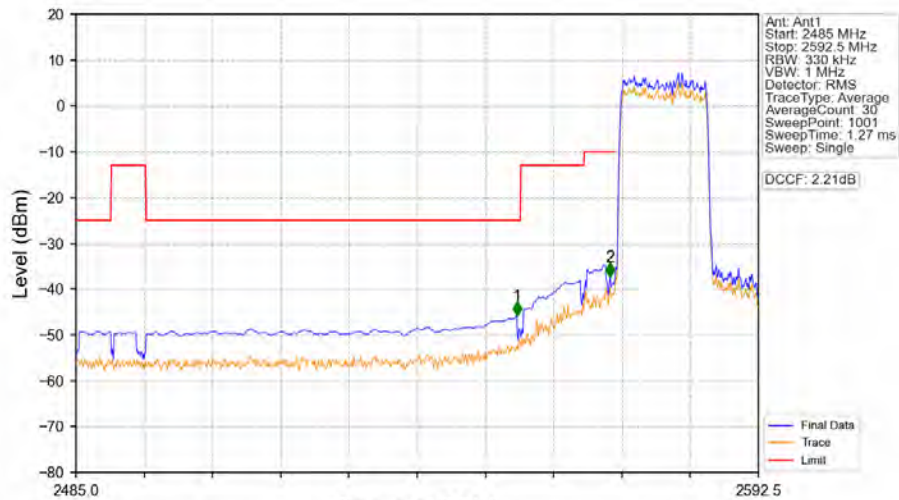
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Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2554.445	-45.75	-25	Pass
2569	2570	0.33	/	2	2569.173	-37.39	-10	Pass
2570	2592.5	0.33	/	/	/	/	/	/



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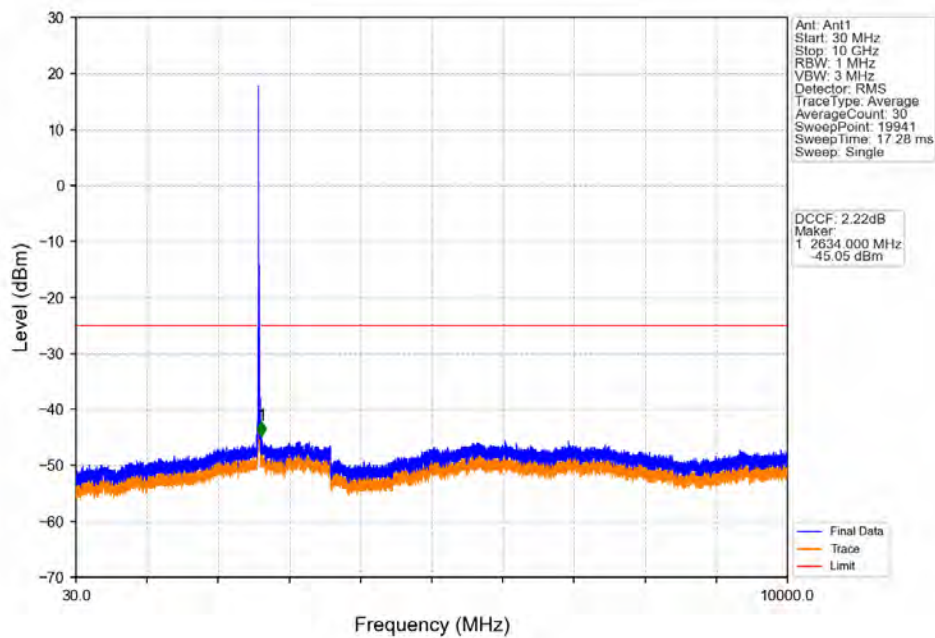
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Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



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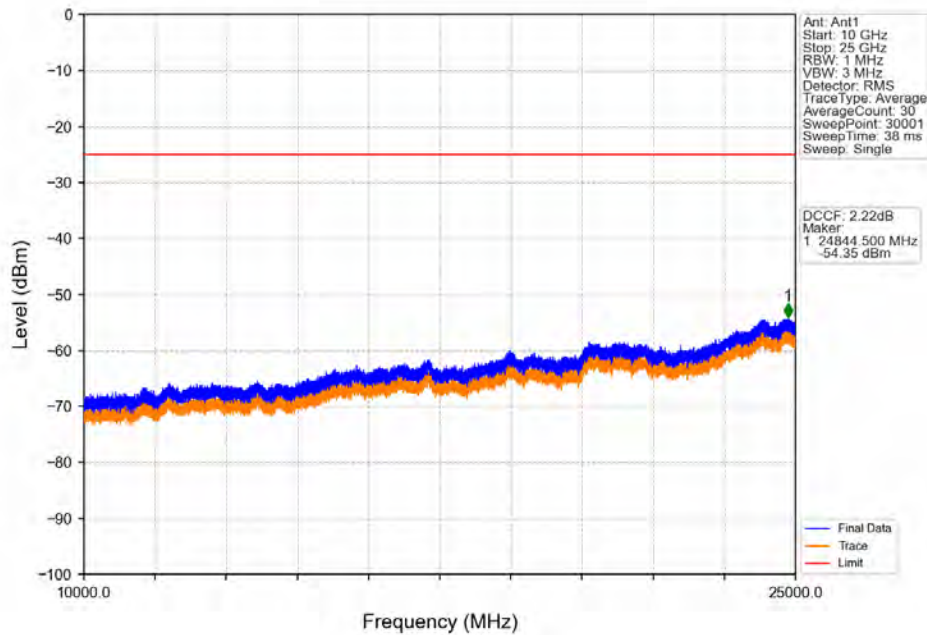
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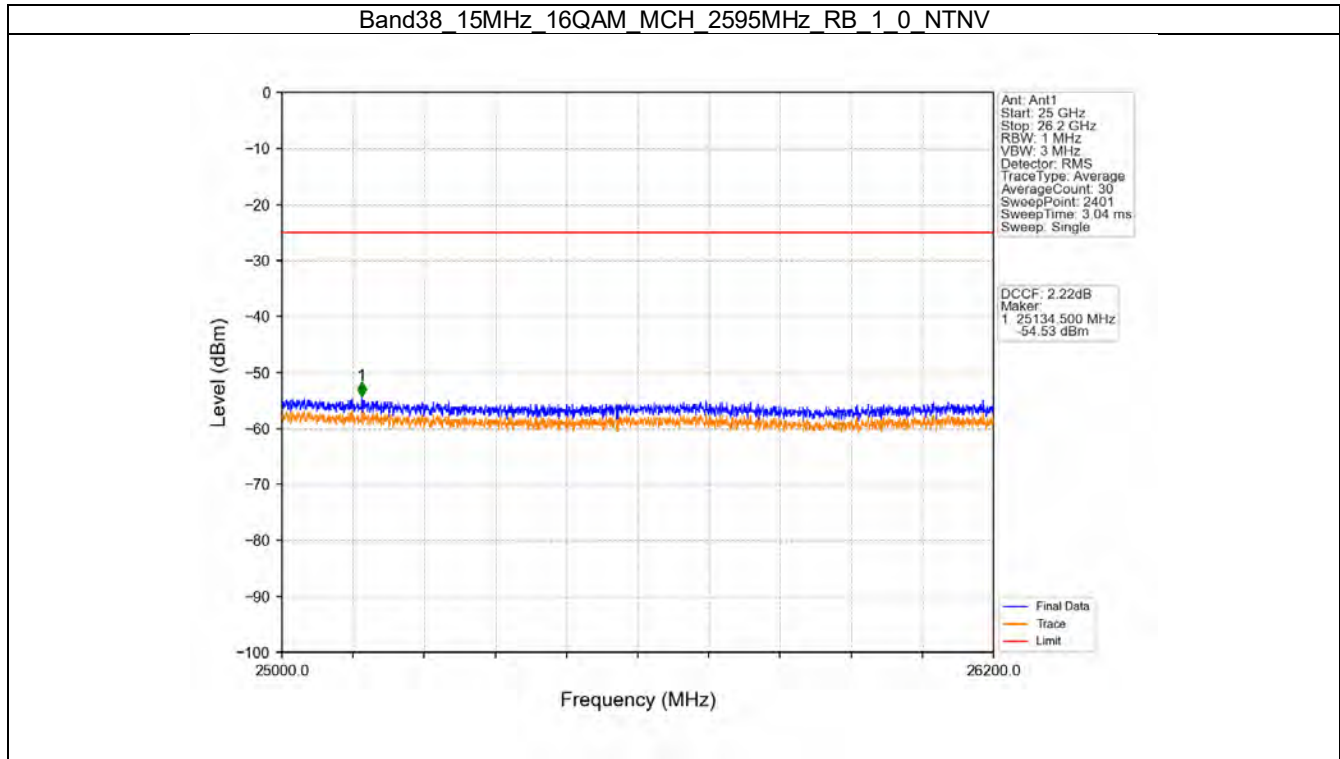


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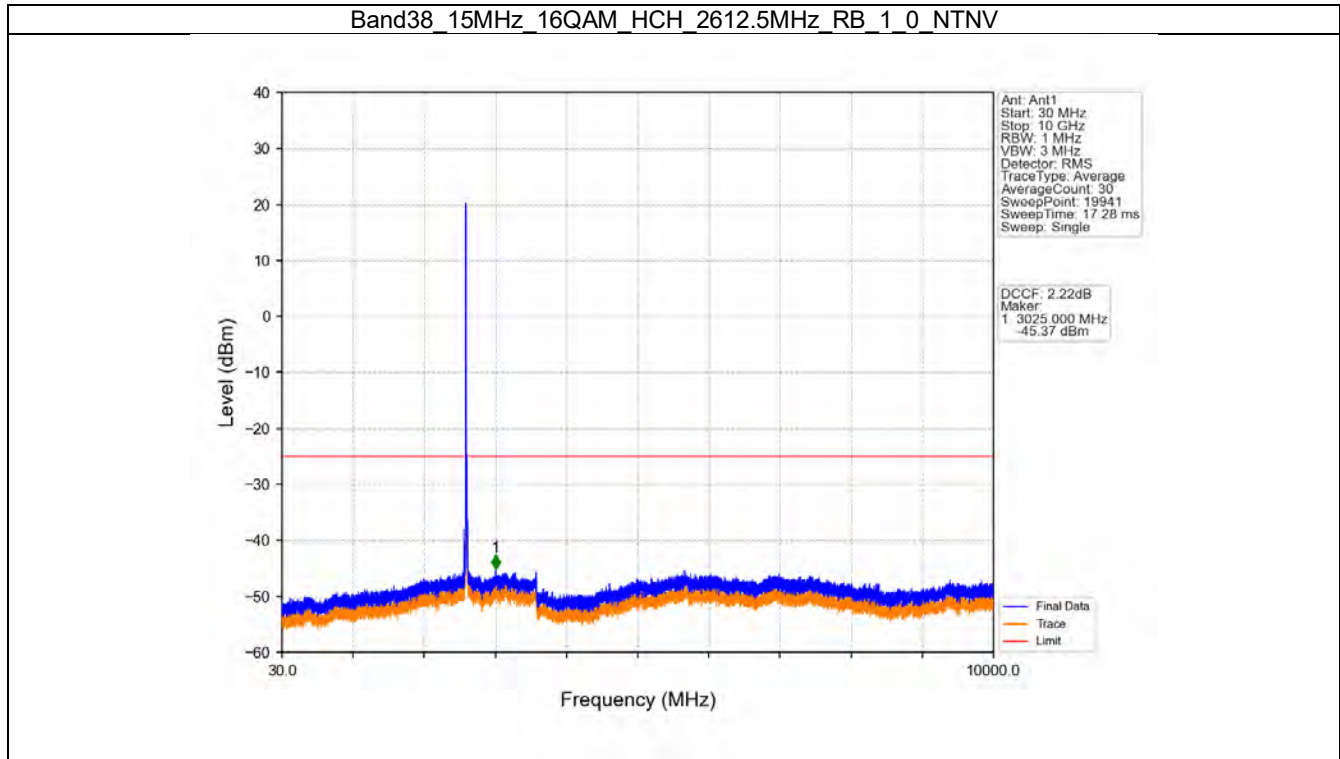


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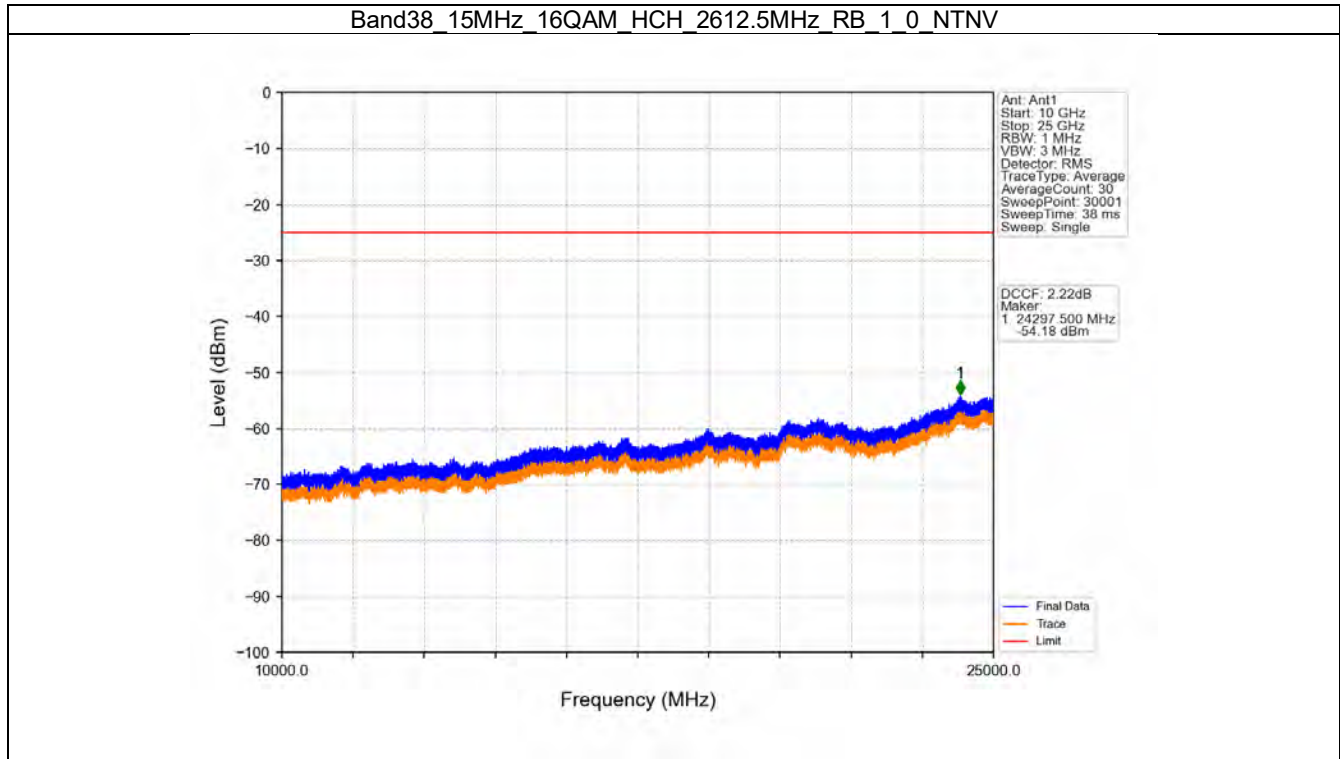


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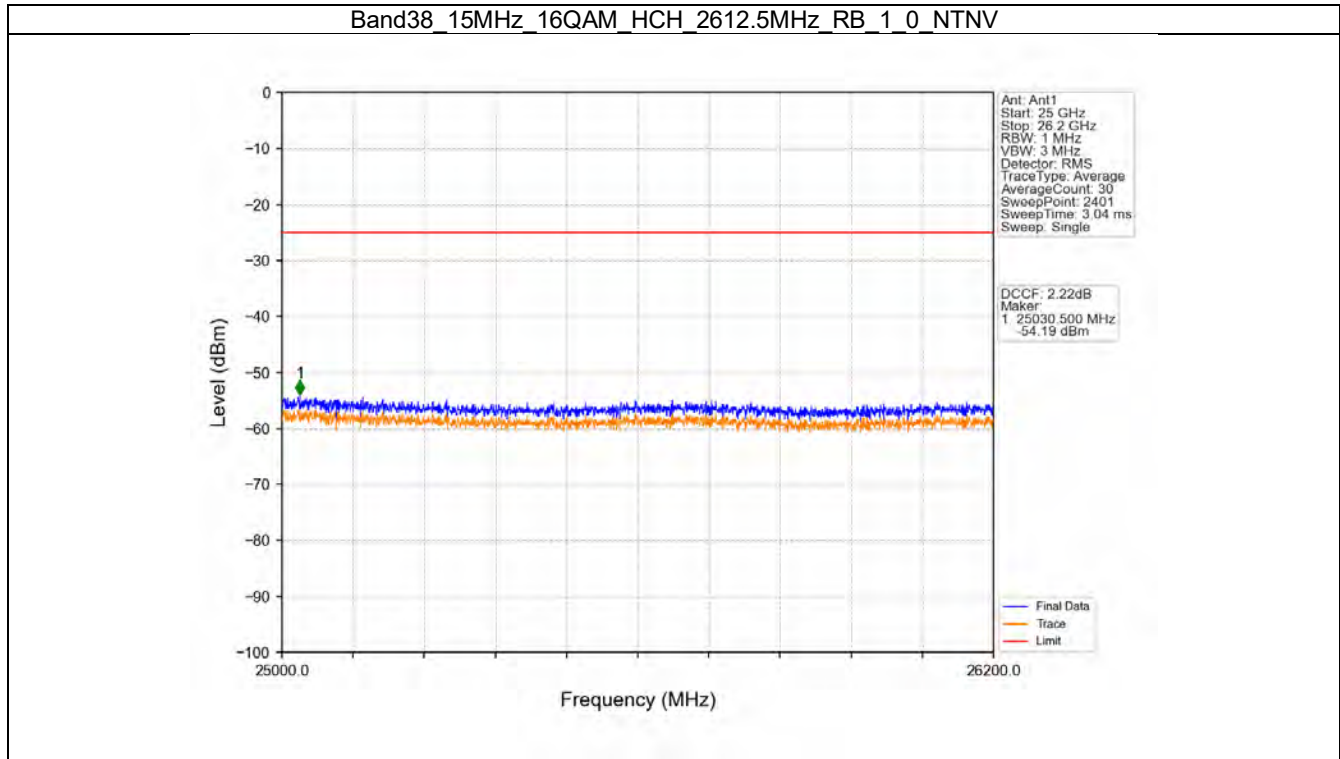


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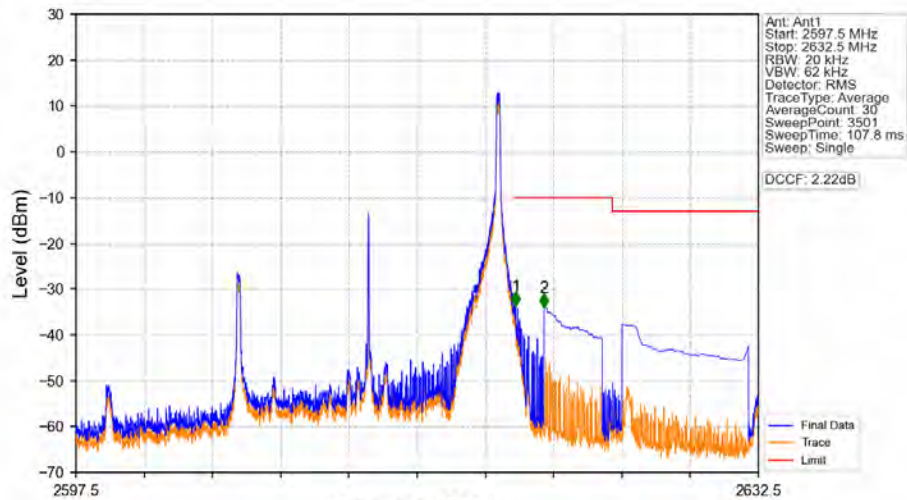
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Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_74_NTNV



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	2620.060	-33.67	-10	Pass
2621	2632.5	1	CHP	2	2621.510	-33.99	-10	Pass



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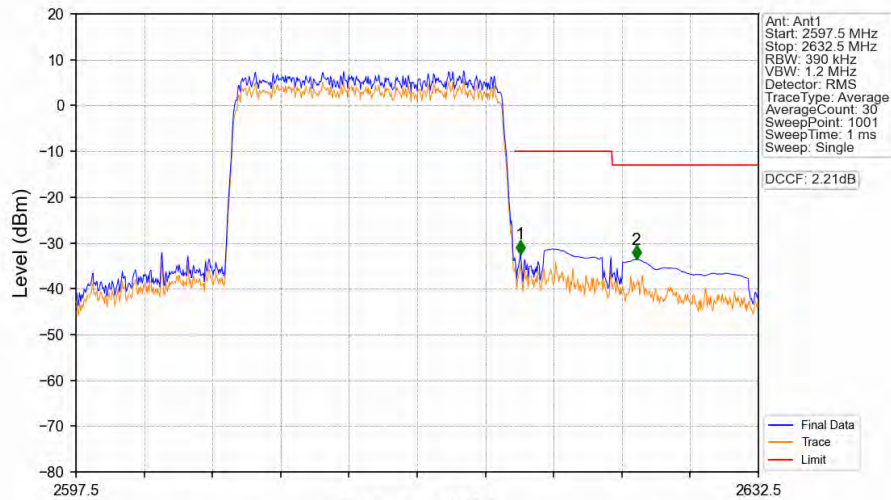
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Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.39	/	/	/	/	/	/
2620	2621	0.39	/	1	2620.285	-32.50	-10	Pass
2621	2632.5	1	CHP	2	2626.235	-33.59	-13	Pass



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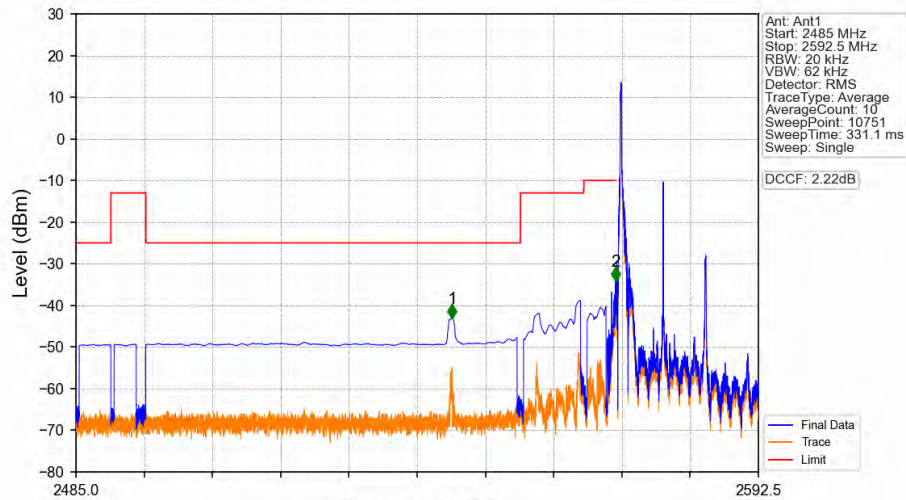
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2544.240	-43.16	-25	Pass
2569	2570	0.02	/	2	2569.980	-34.16	-10	Pass
2570	2592.5	0.02	/	/	/	/	/	/



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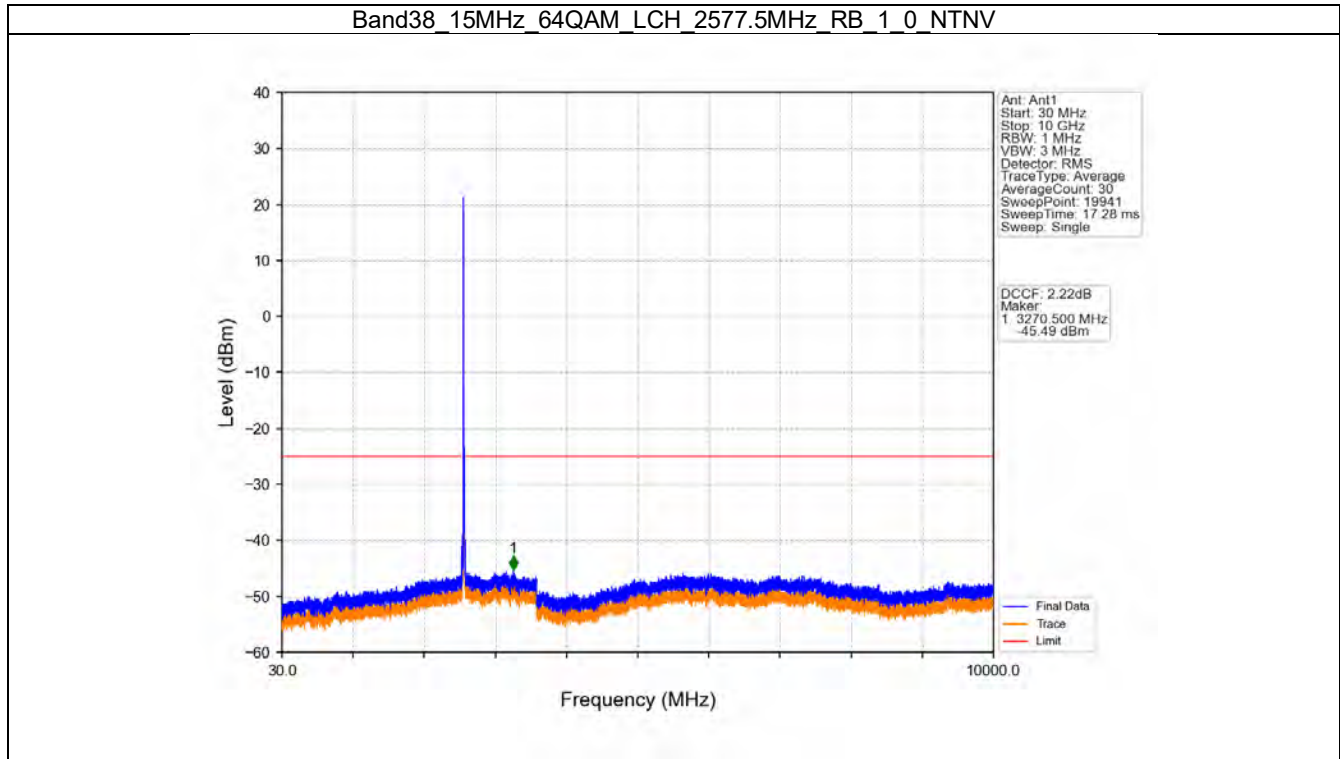


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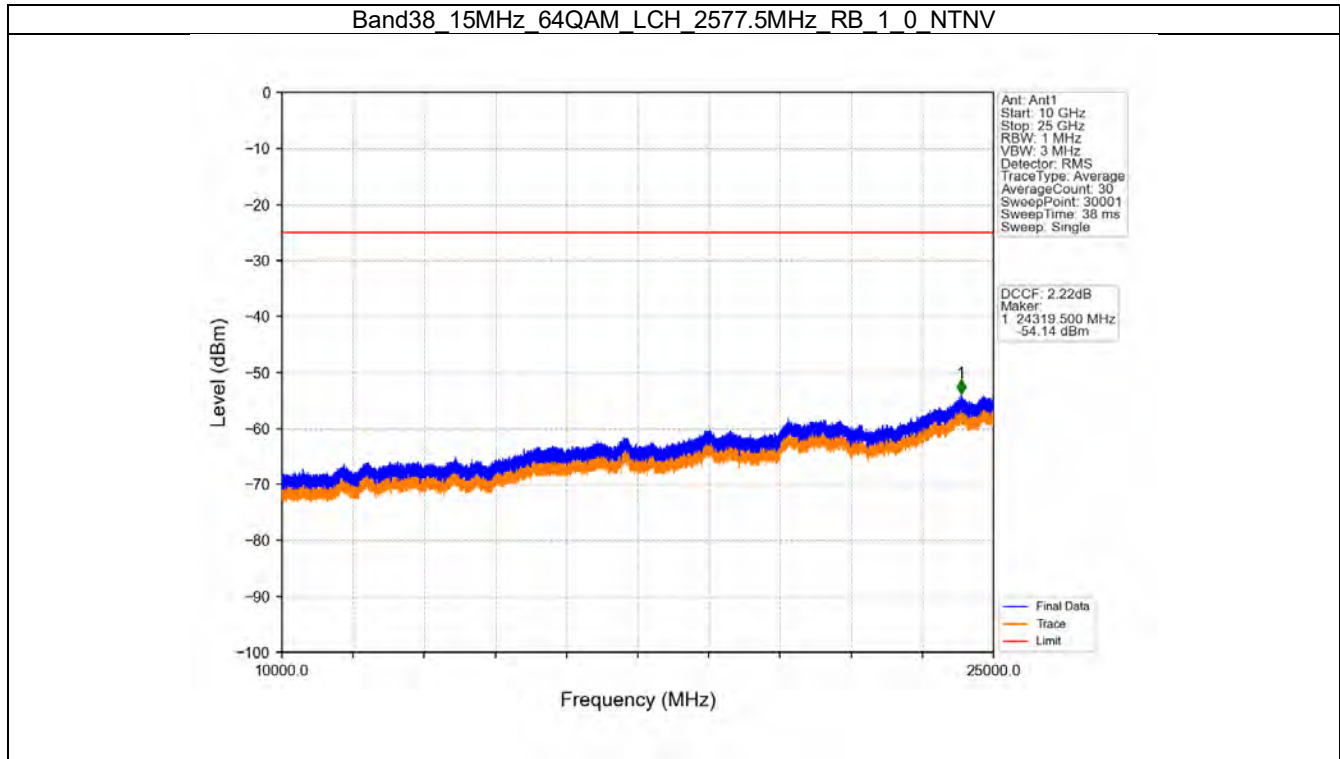


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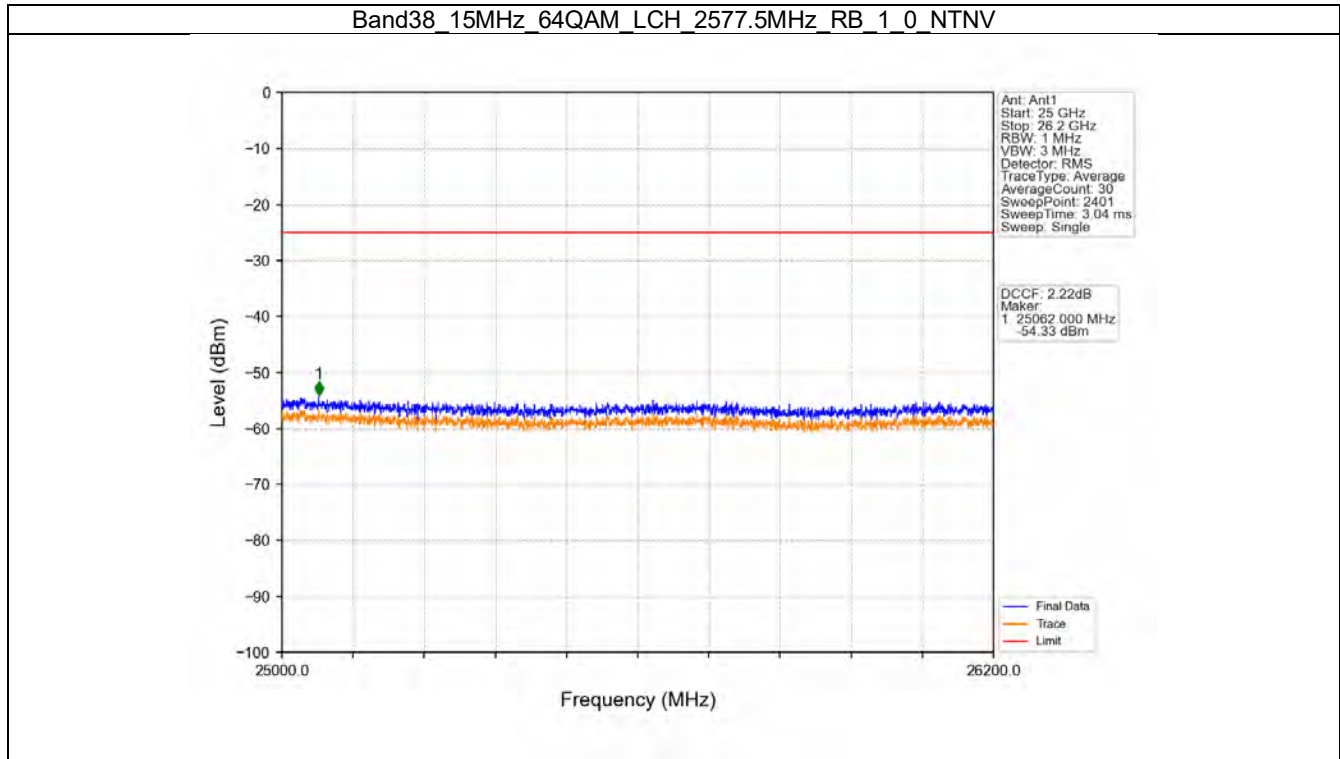


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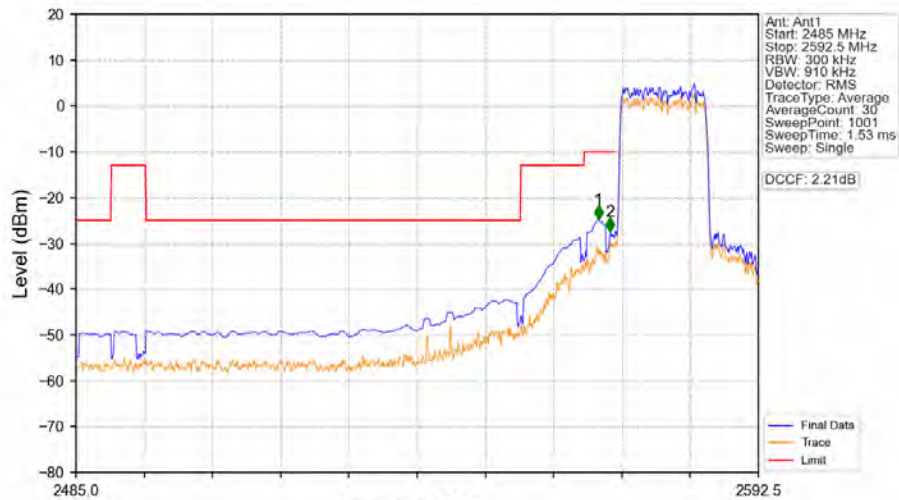
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2567.345	-24.87	-10	Pass
2569	2570	0.3	/	2	2569.173	-27.44	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/



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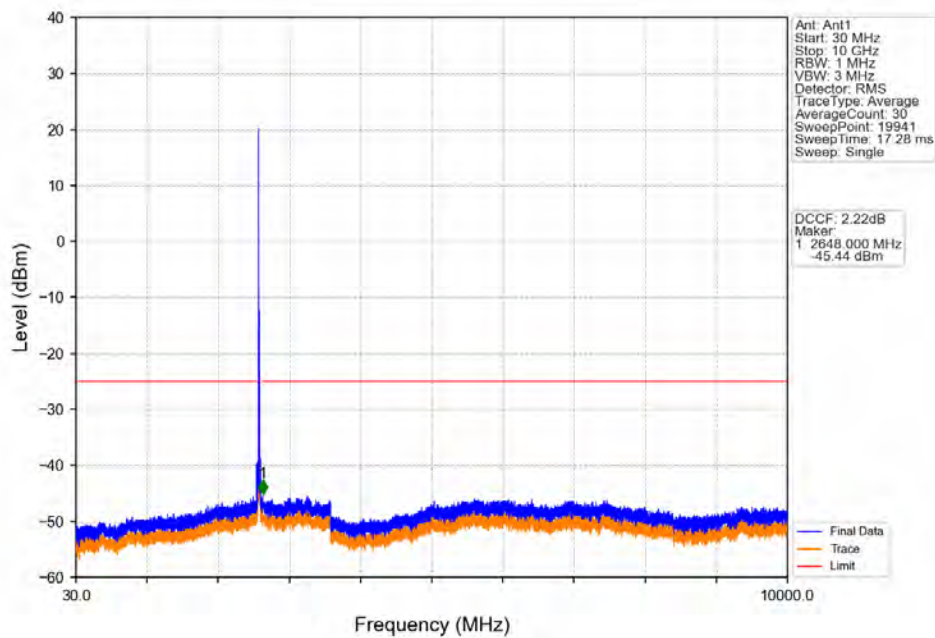
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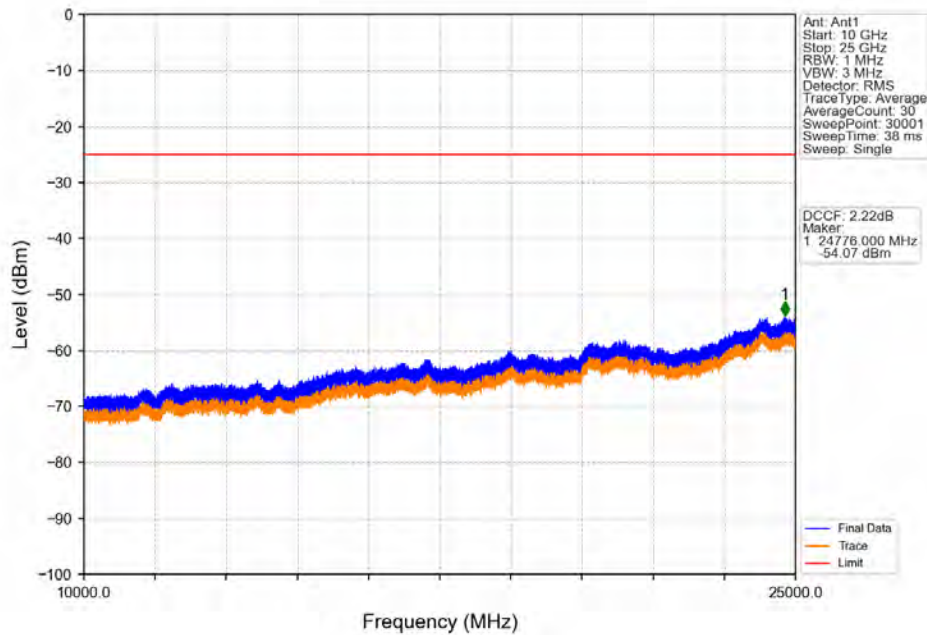
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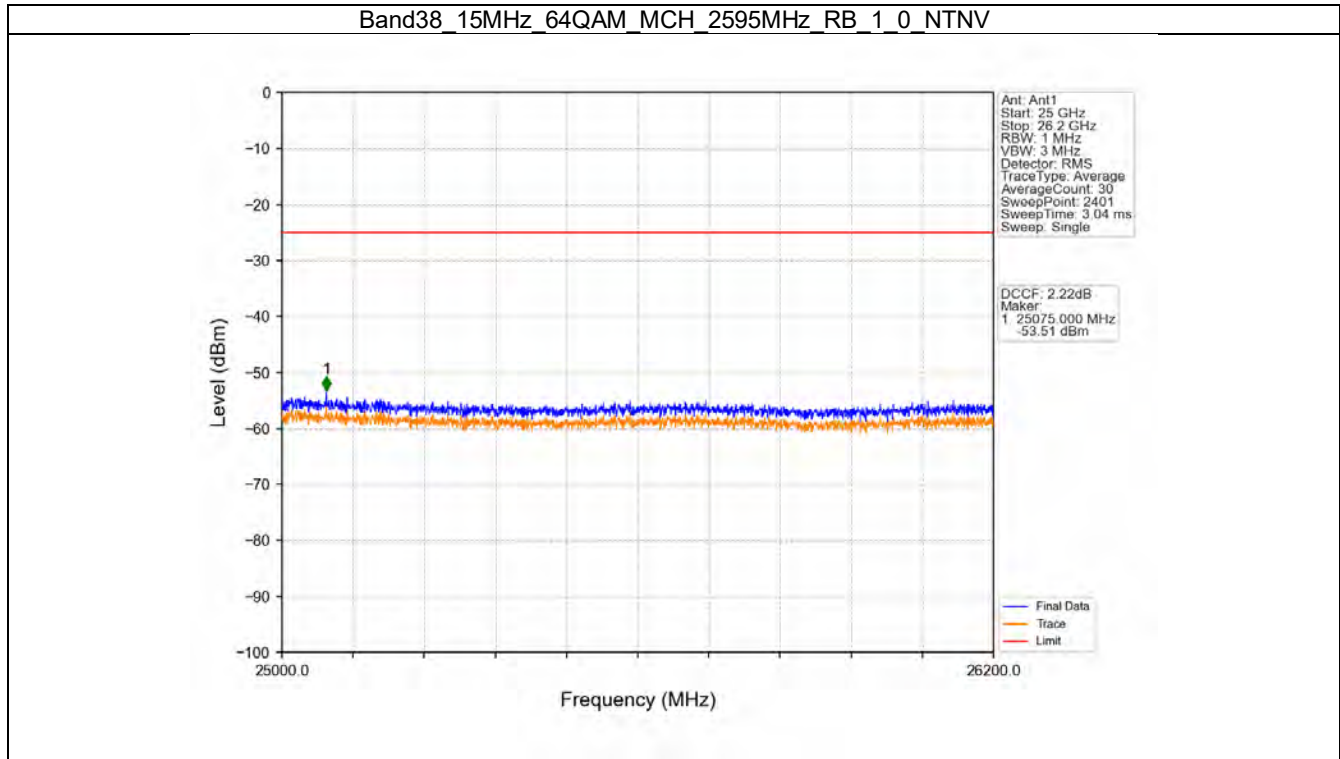


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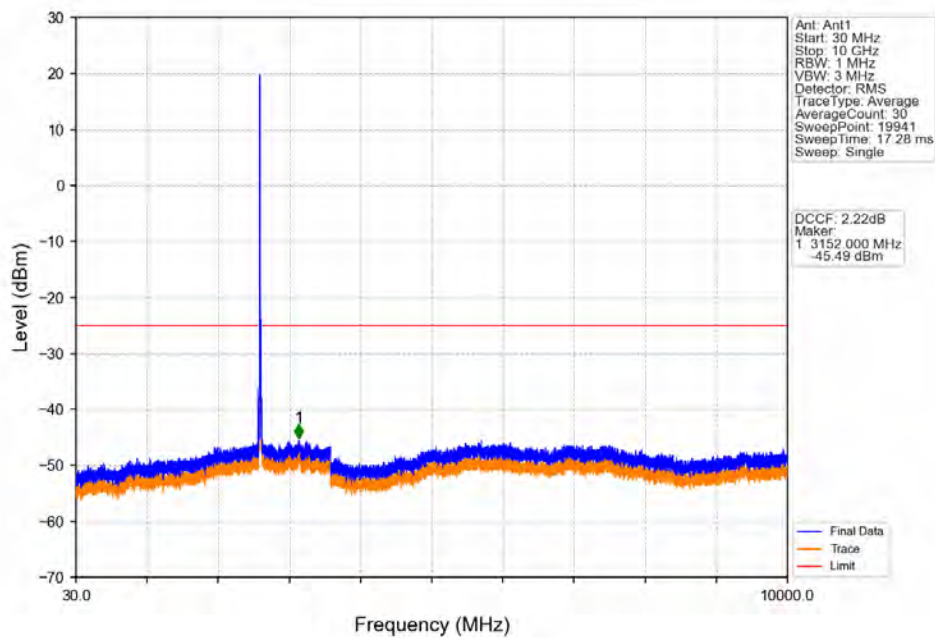
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_1_0_NTNV



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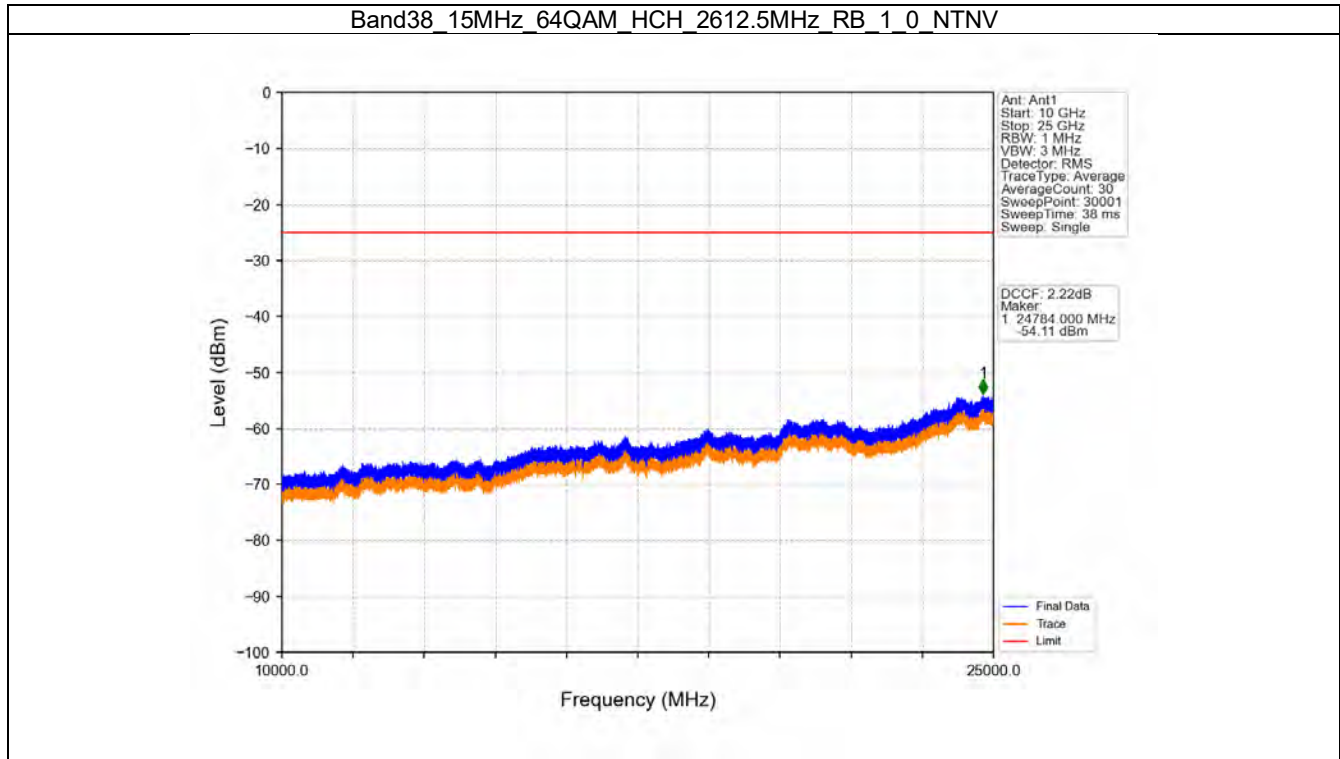


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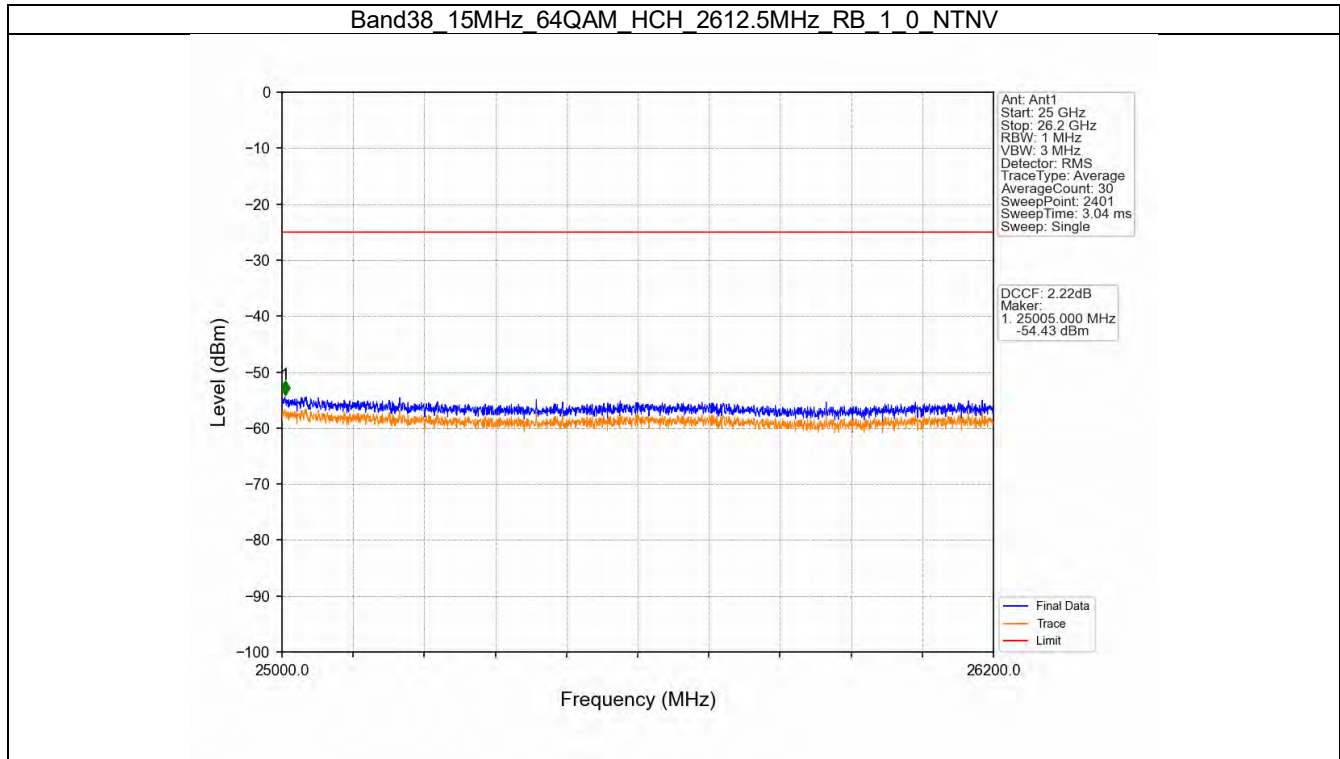


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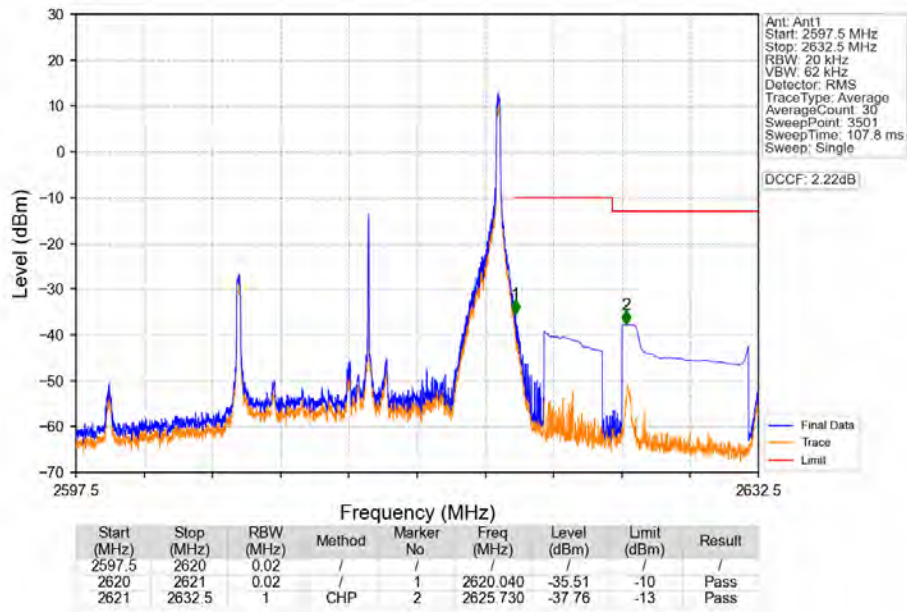
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_1_74_NTNV



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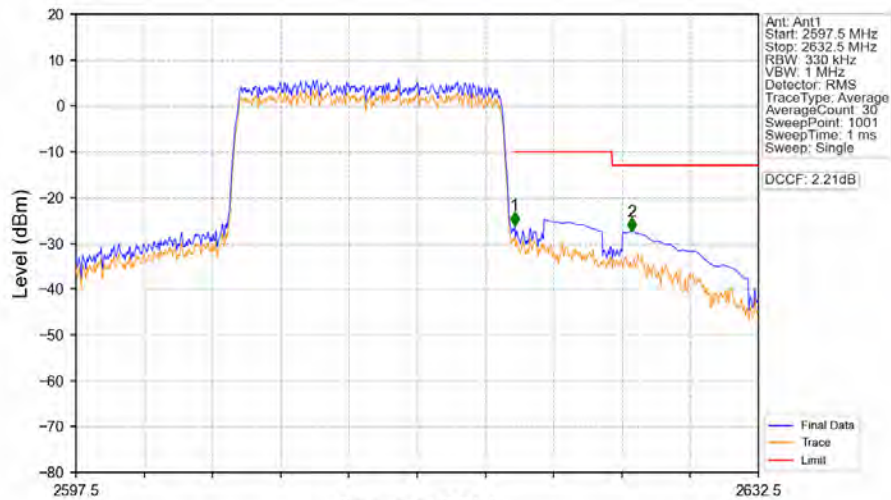
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



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	2620.005	-26.14	-10	Pass
2621	2632.5	1	CHP	2	2626.025	-27.45	-13	Pass



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5.4 B38_20MHz

5.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
	2610	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
	2595	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	2610	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
	2595	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	2610	1	99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass



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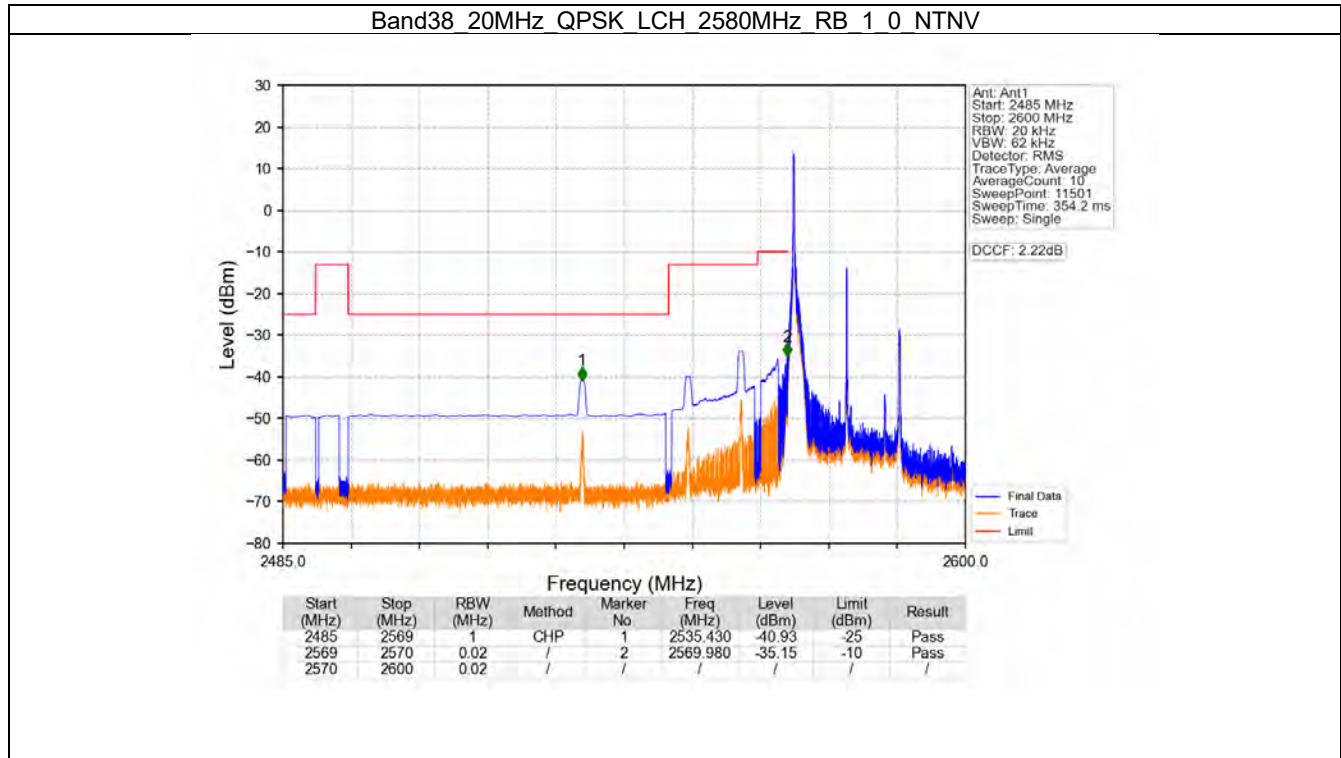
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5.4.2 Test Graph



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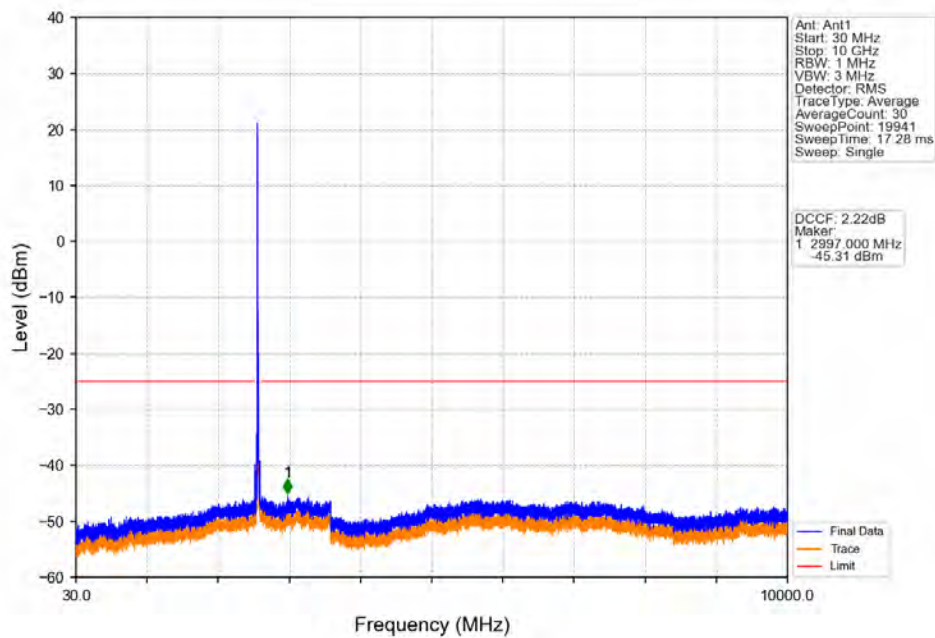
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Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



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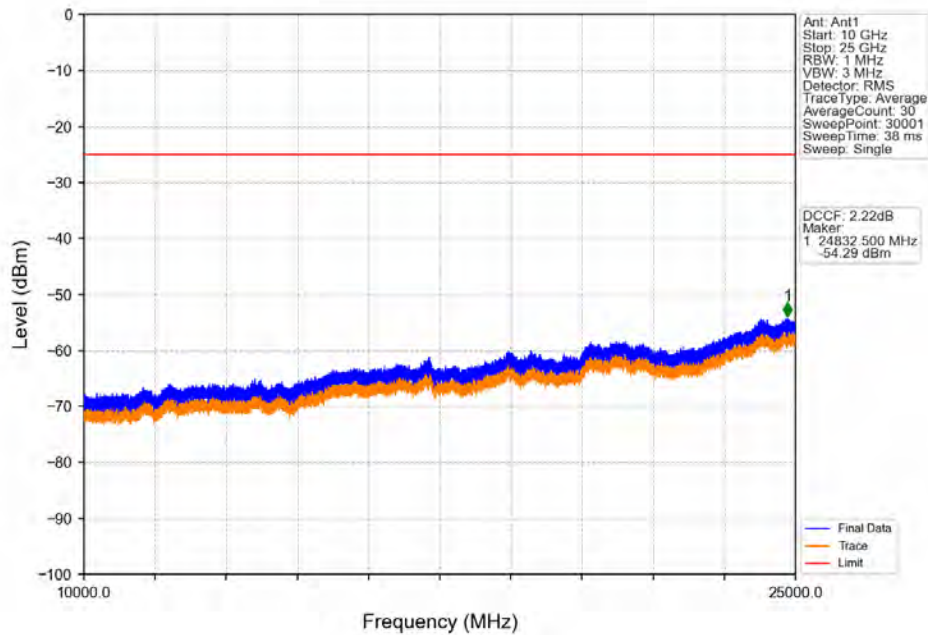
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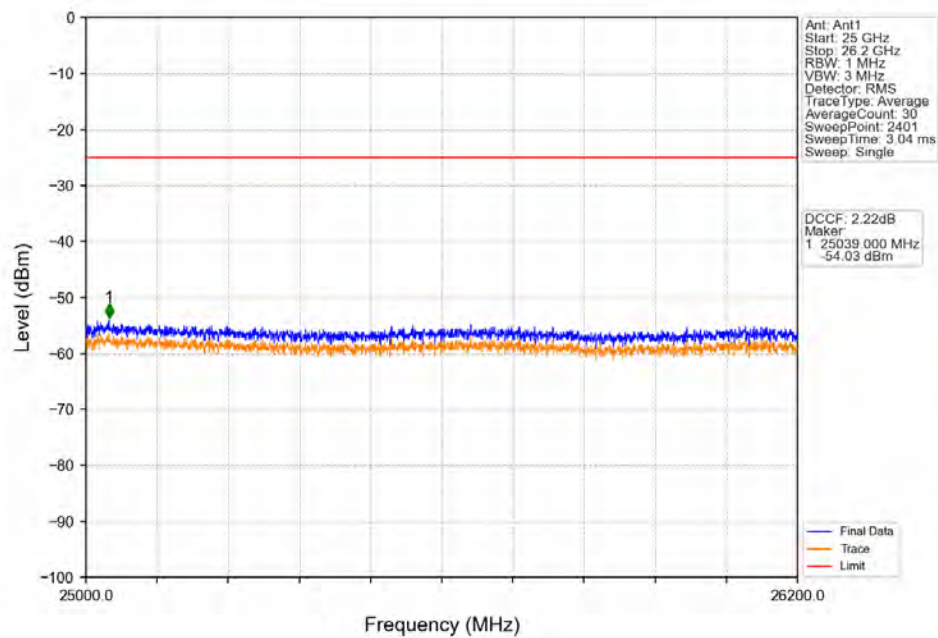
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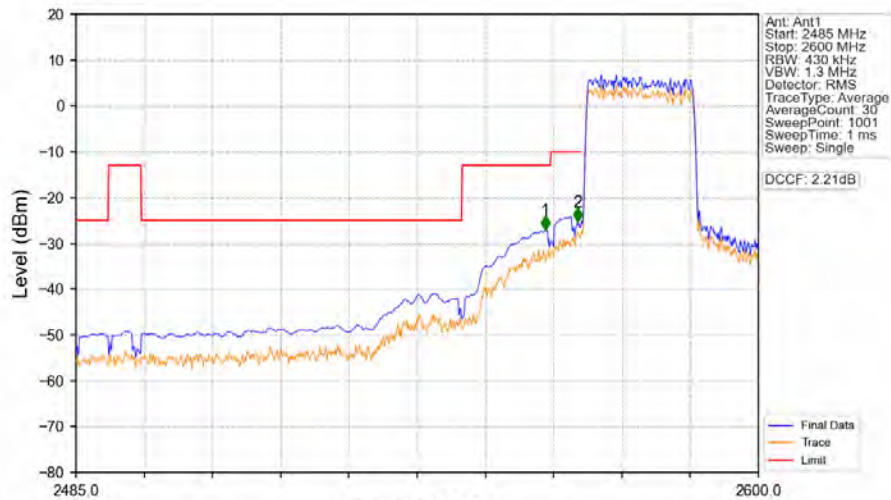
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Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2564.120	-27.17	-13	Pass
2569	2570	0.43	/	2	2569.525	-25.35	-10	Pass
2570	2600	0.43	/	/	/	/	/	/



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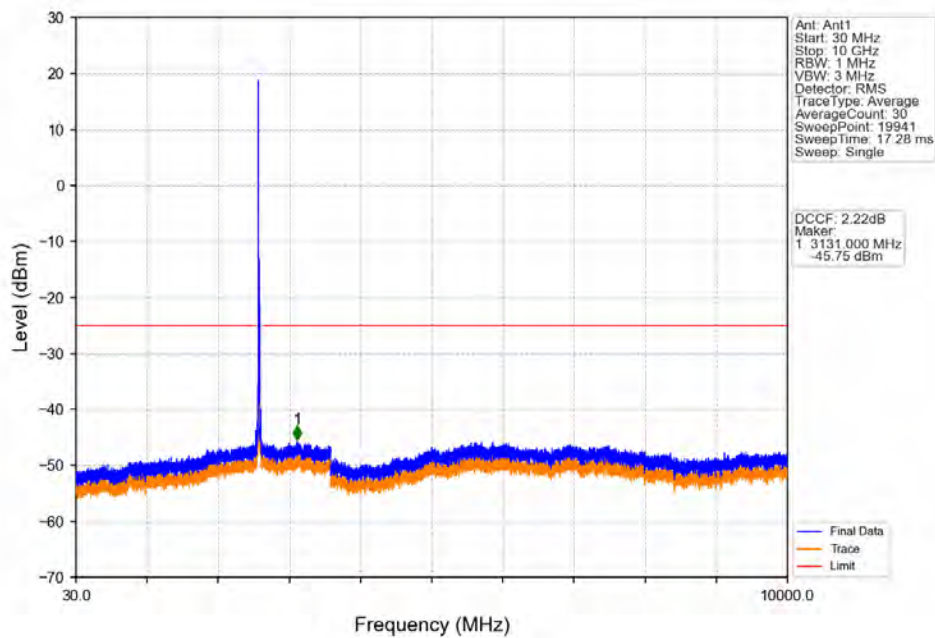
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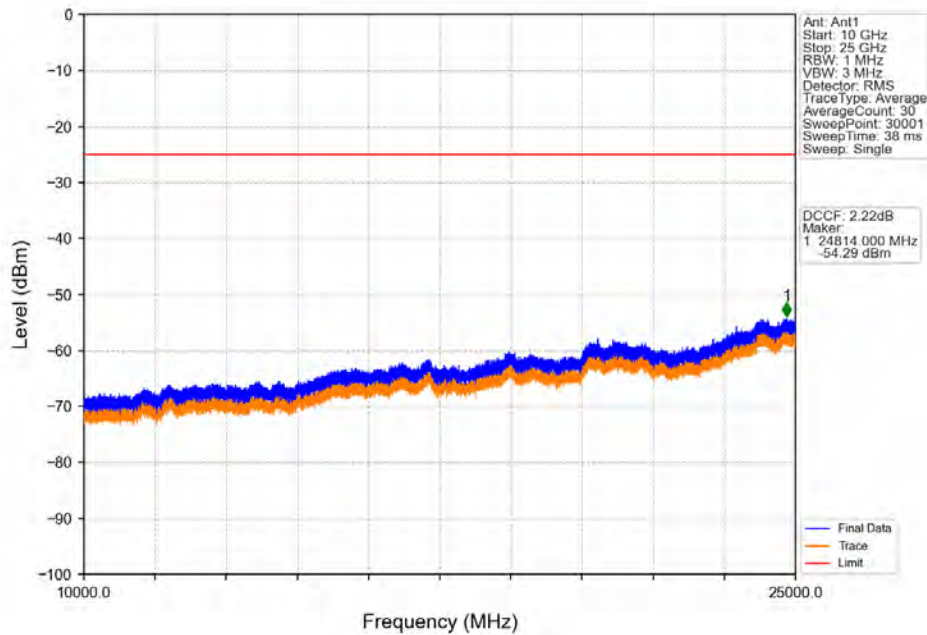
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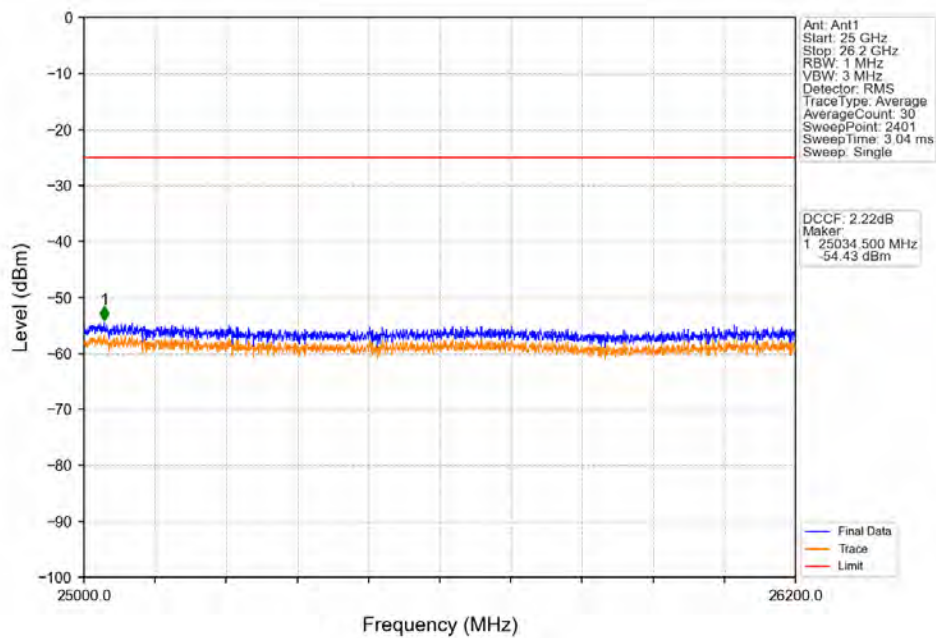
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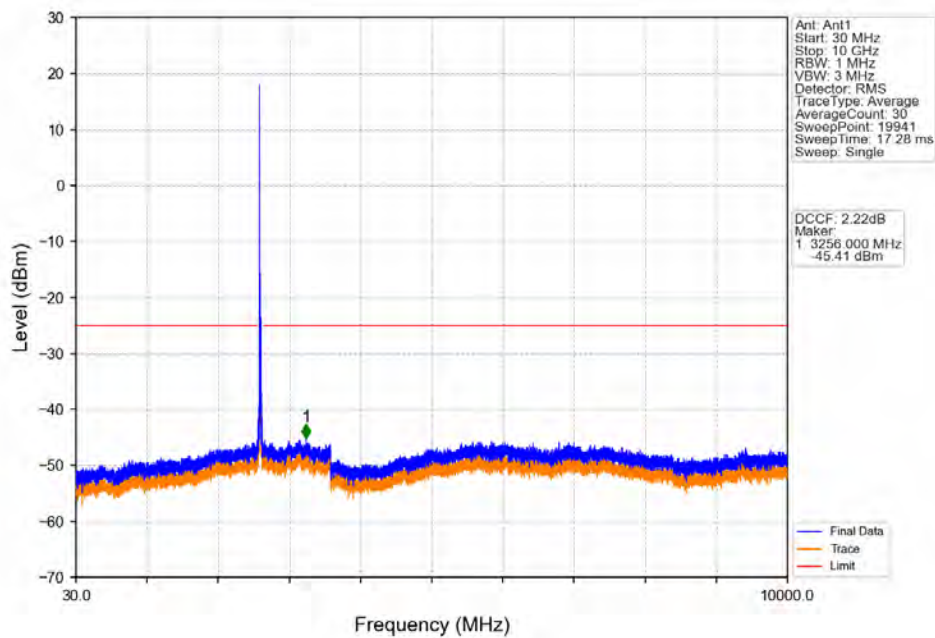
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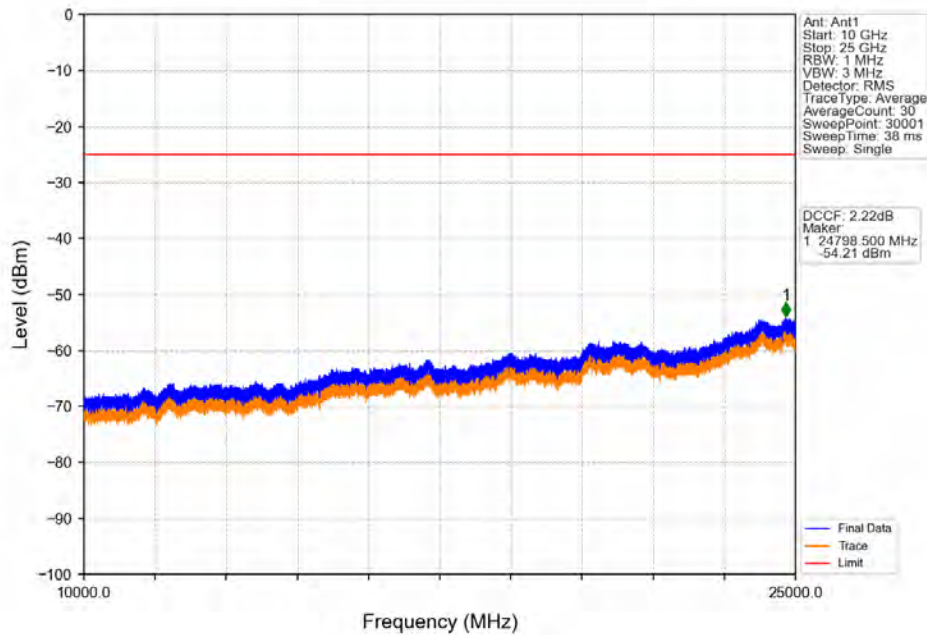
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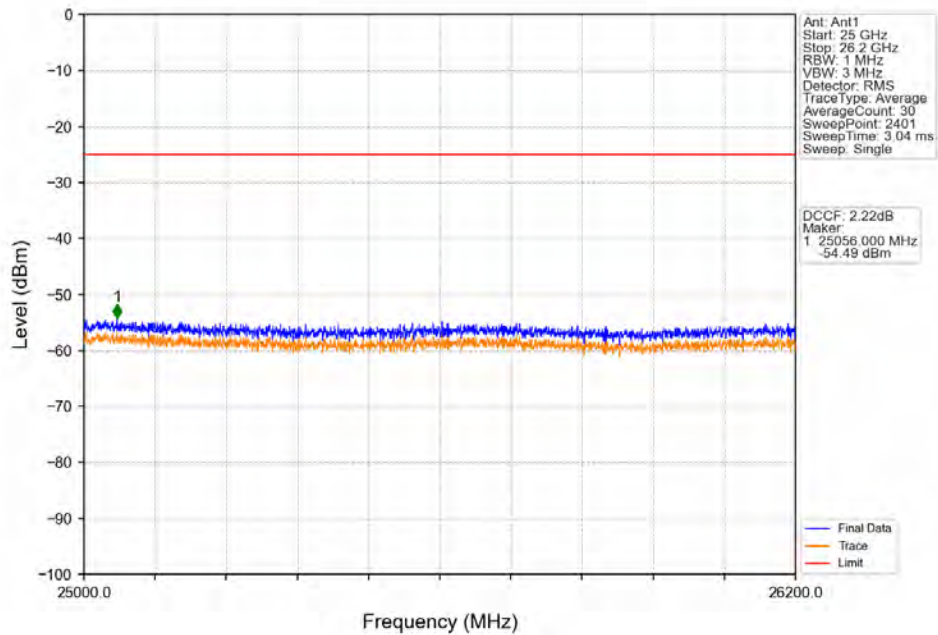
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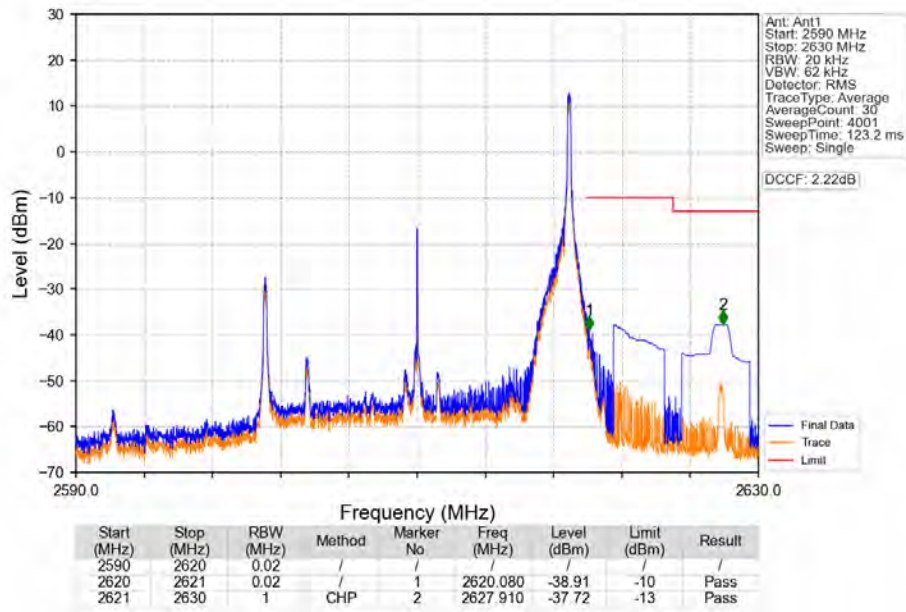
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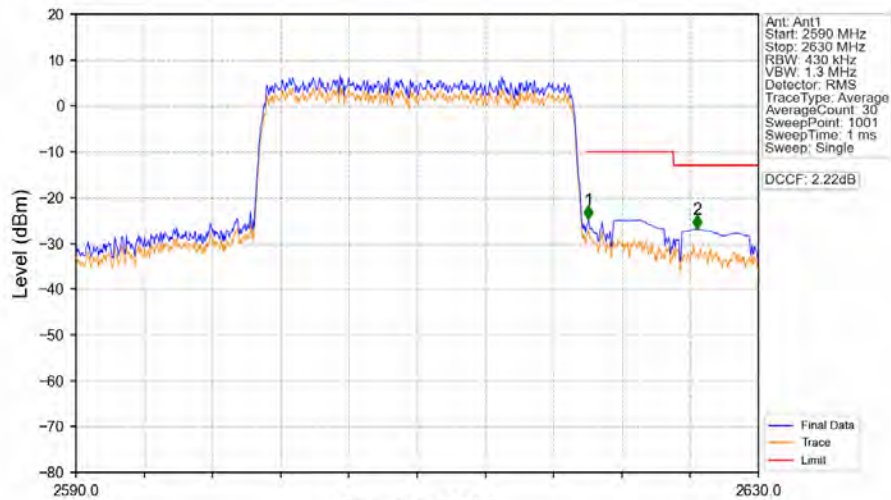
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	/	/	/	/	/	/
2620	2621	0.43	/	1	2620.040	-24.77	-10	Pass
2621	2630	1	CHP	2	2626.400	-26.94	-13	Pass



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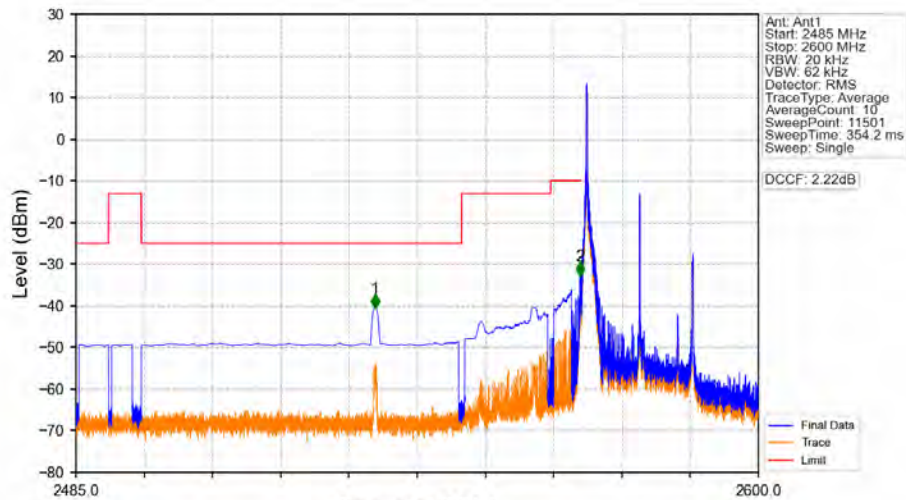
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2535.380	-40.66	-25	Pass
2569	2570	0.02	/	2	2569.970	-32.89	-10	Pass
2570	2600	0.02	/	/	/	/	/	/



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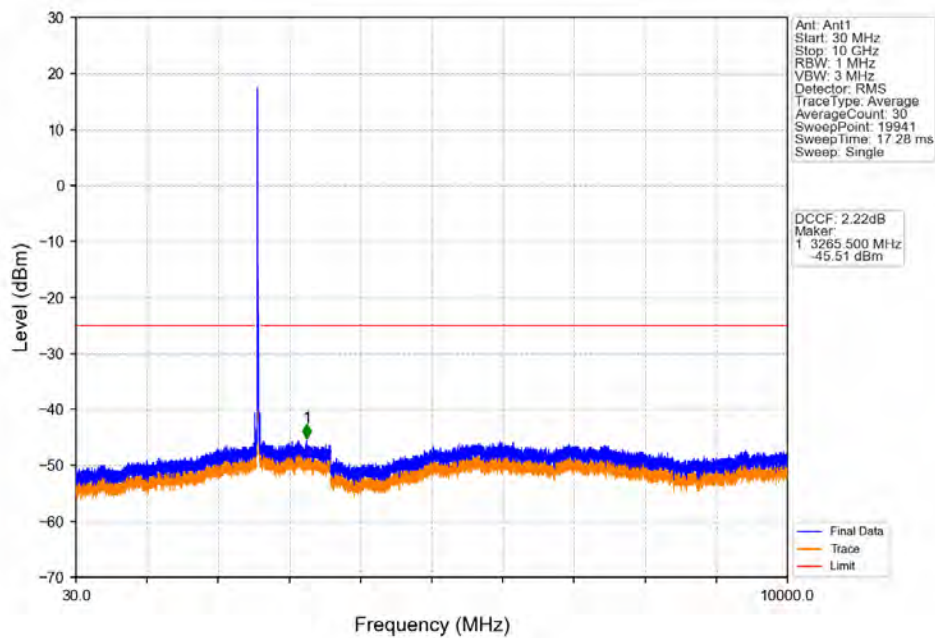
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Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



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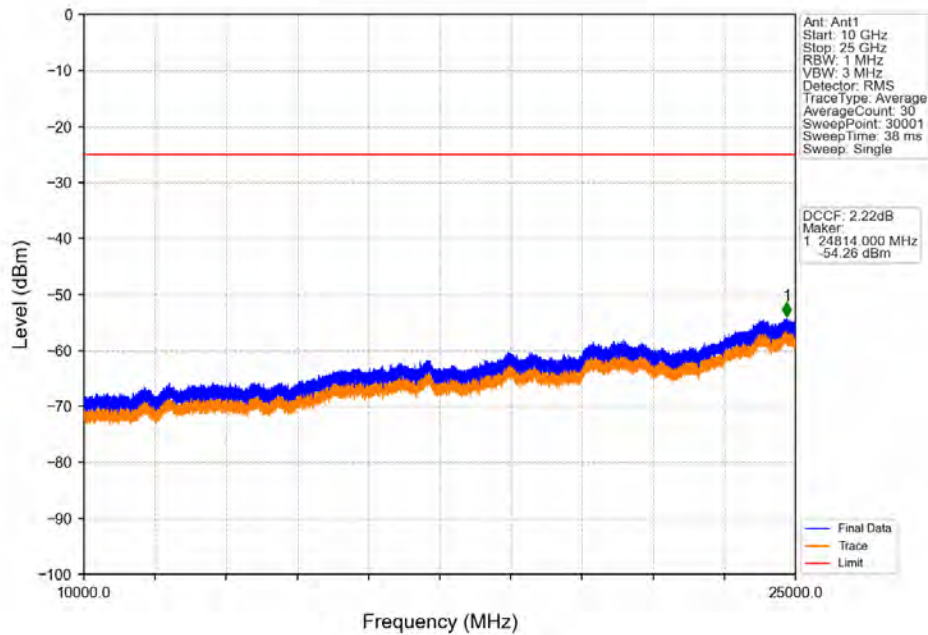
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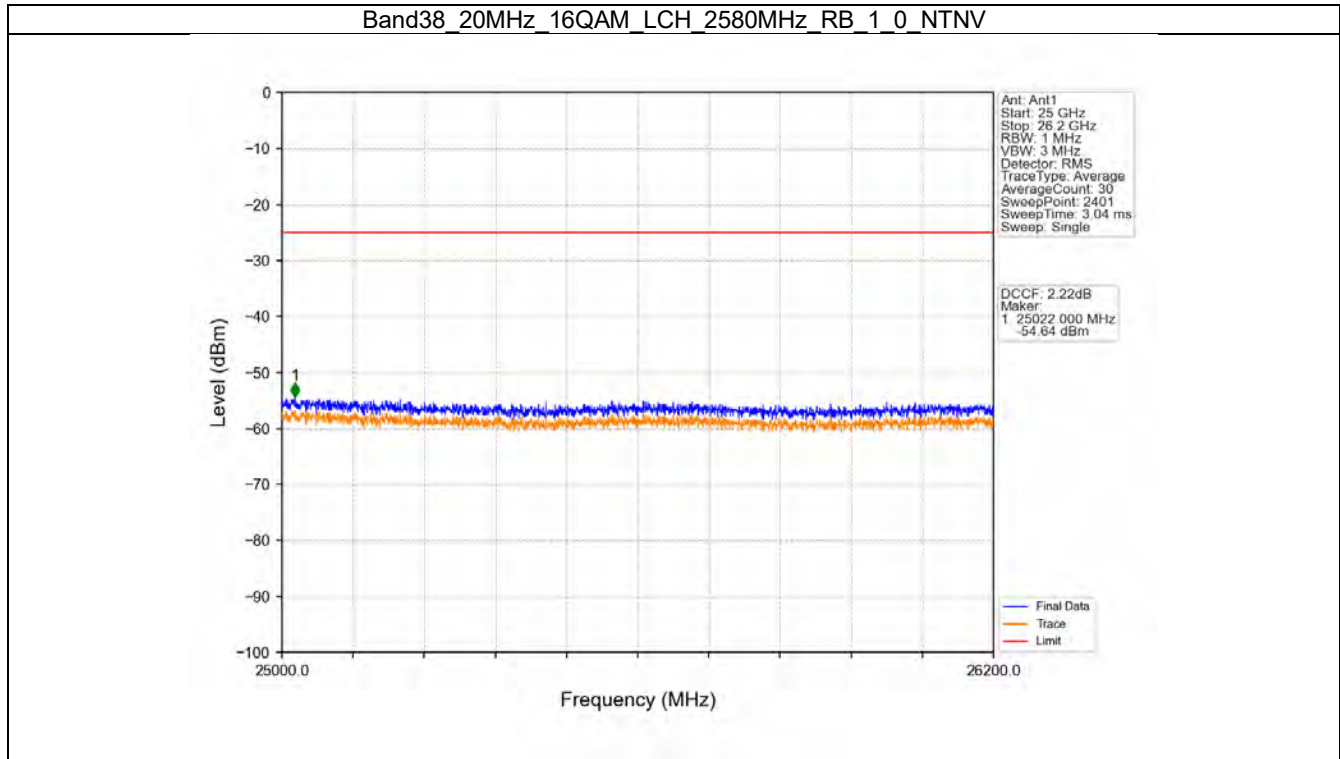


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Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2549.400	-44.67	-25	Pass
2569	2570	0.43	/	2	2569.870	-38.23	-10	Pass
2570	2600	0.43	/	/	/	/	/	/



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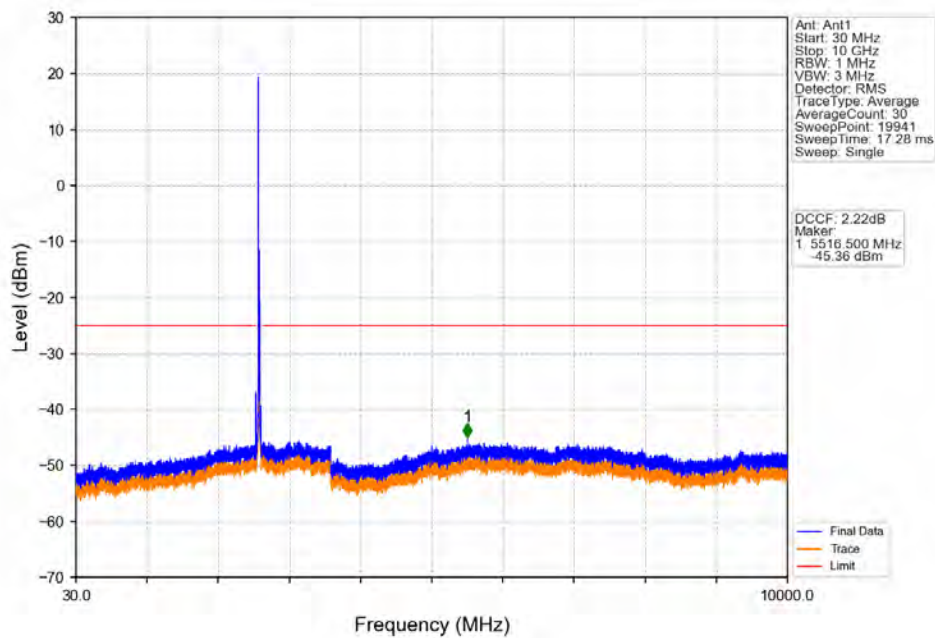
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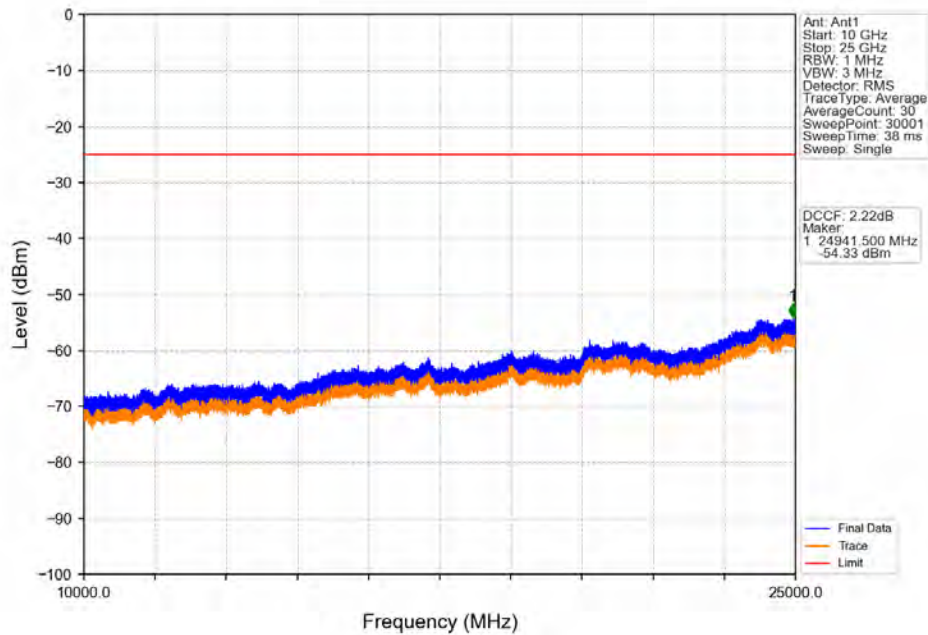
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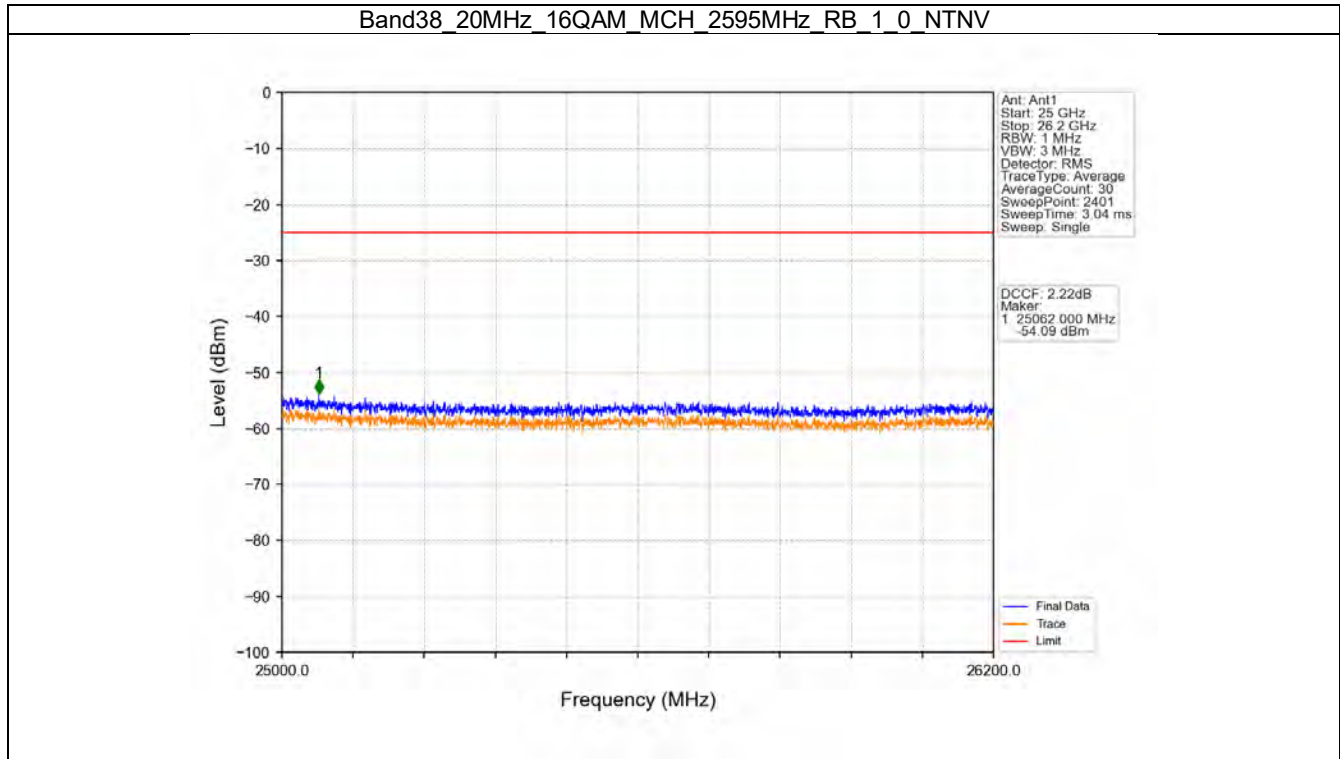


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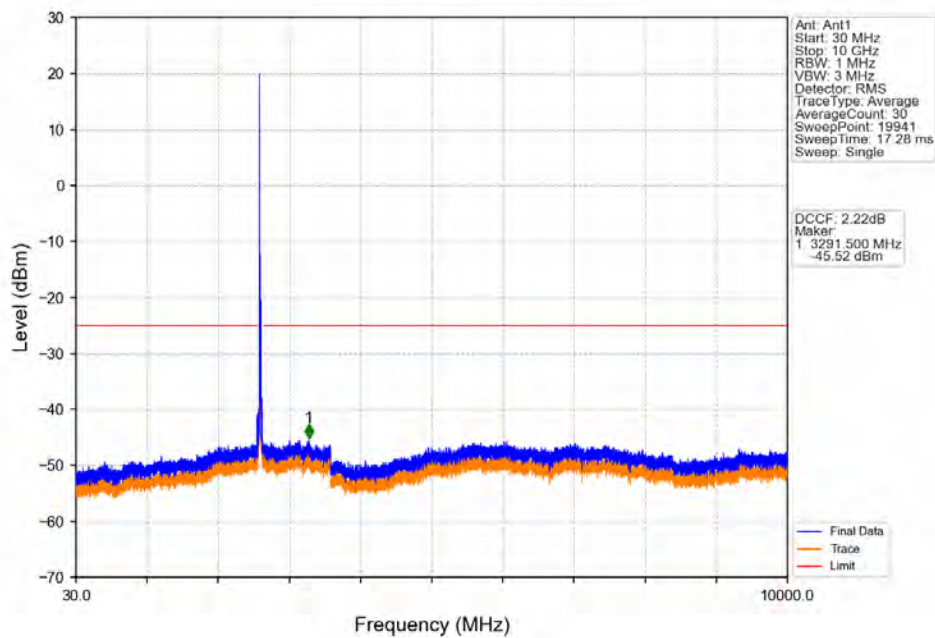
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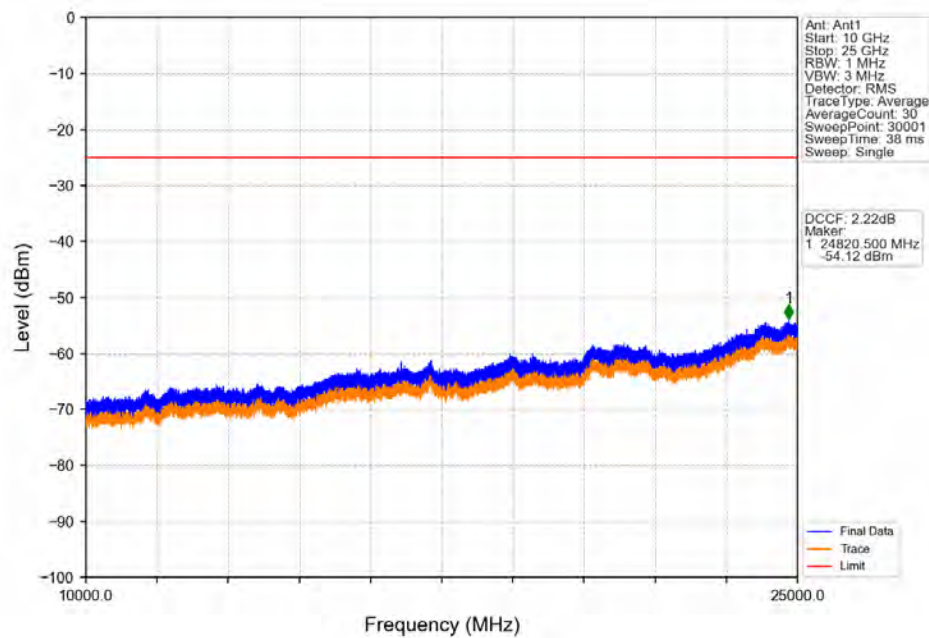
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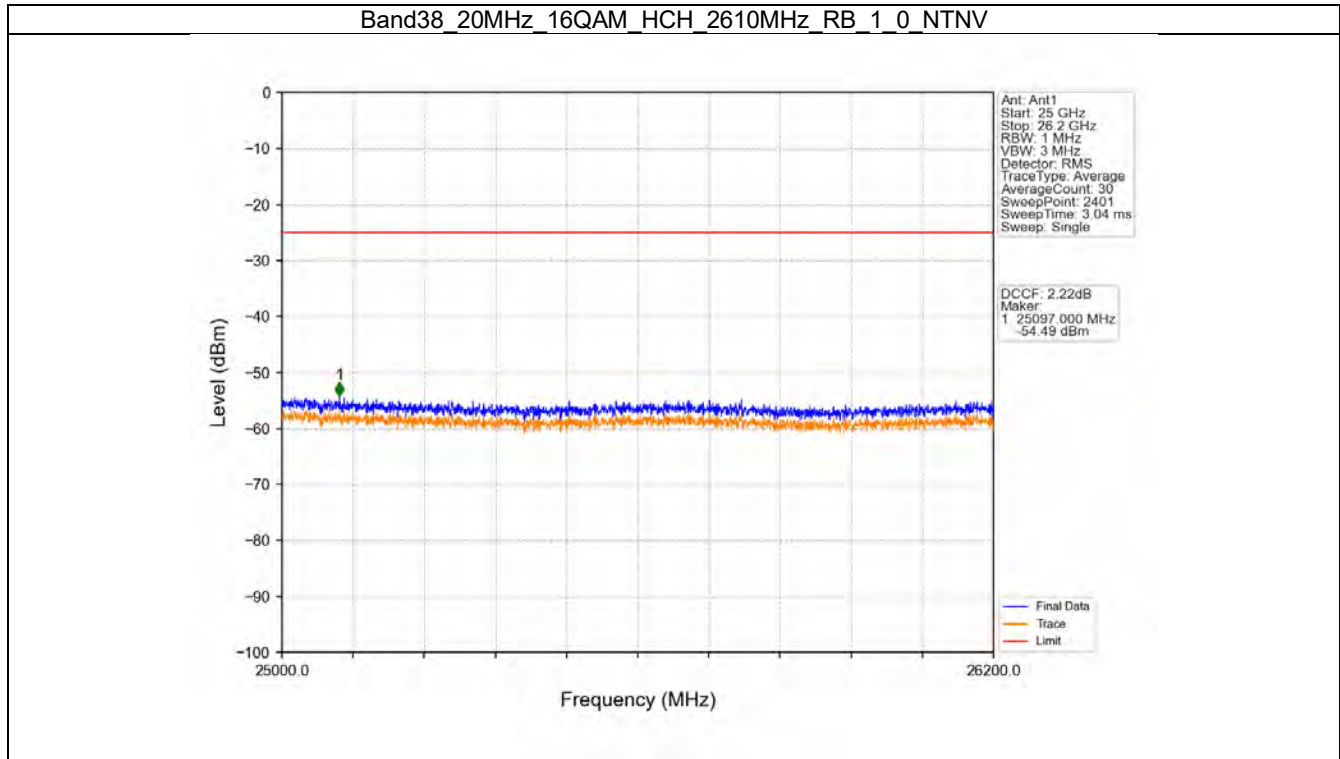


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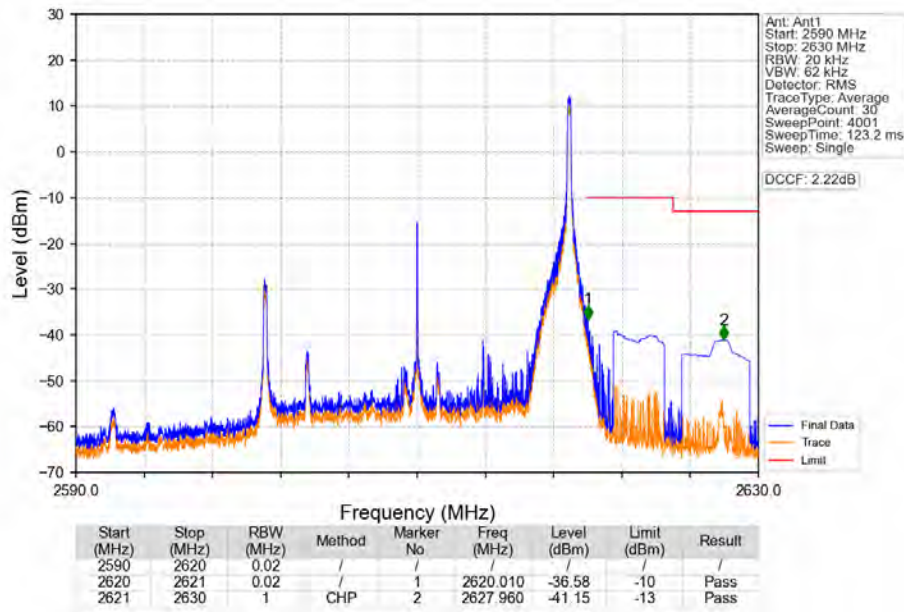
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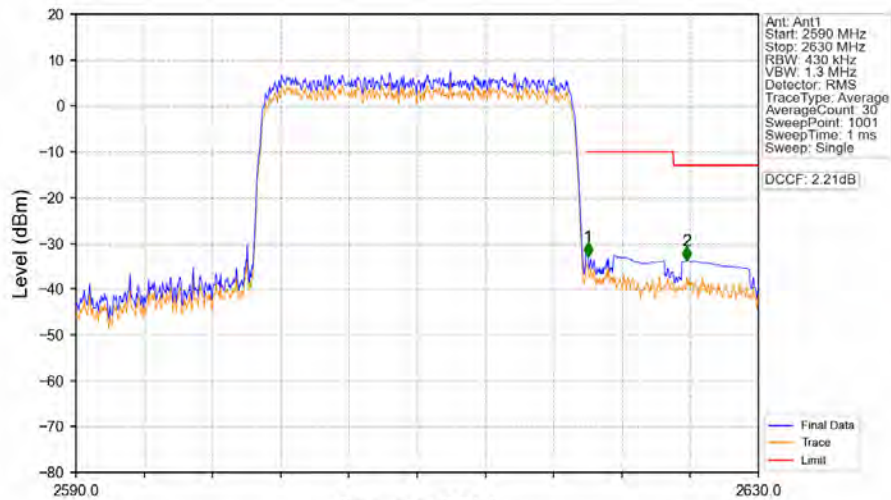
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	/	/	/	/	/	/
2620	2621	0.43	/	1	2620.000	-32.89	-10	Pass
2621	2630	1	CHP	2	2625.800	-33.80	-13	Pass



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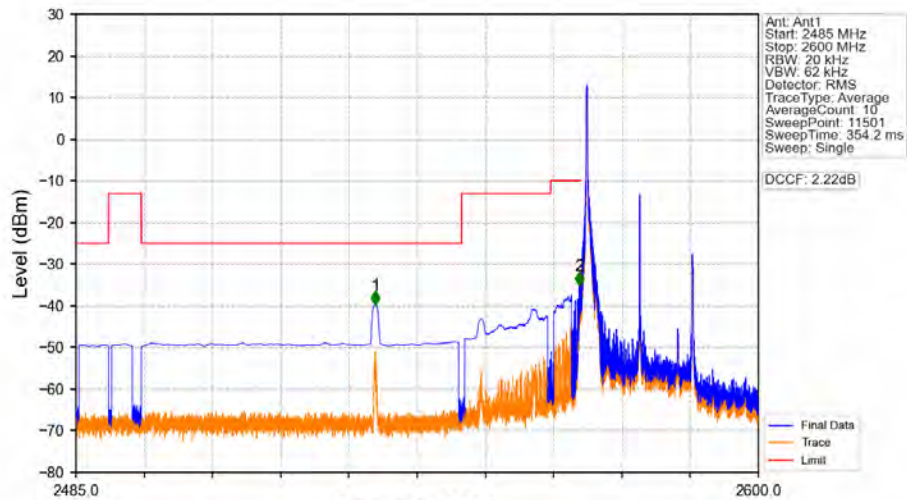
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Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2535.470	-39.87	-25	Pass
2569	2570	0.02	/	2	2569.790	-35.14	-10	Pass
2570	2600	0.02	/	/	/	/	/	/



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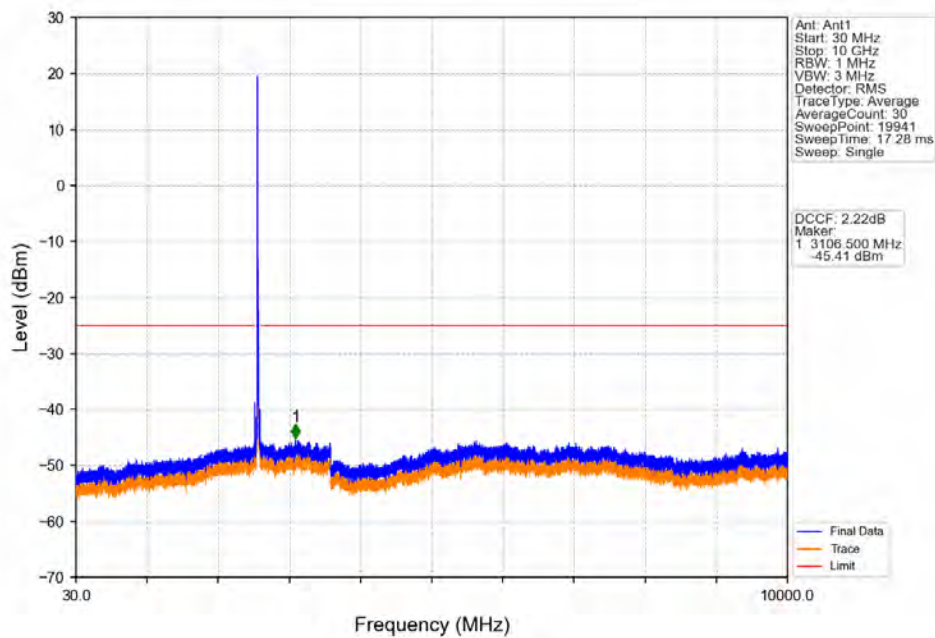
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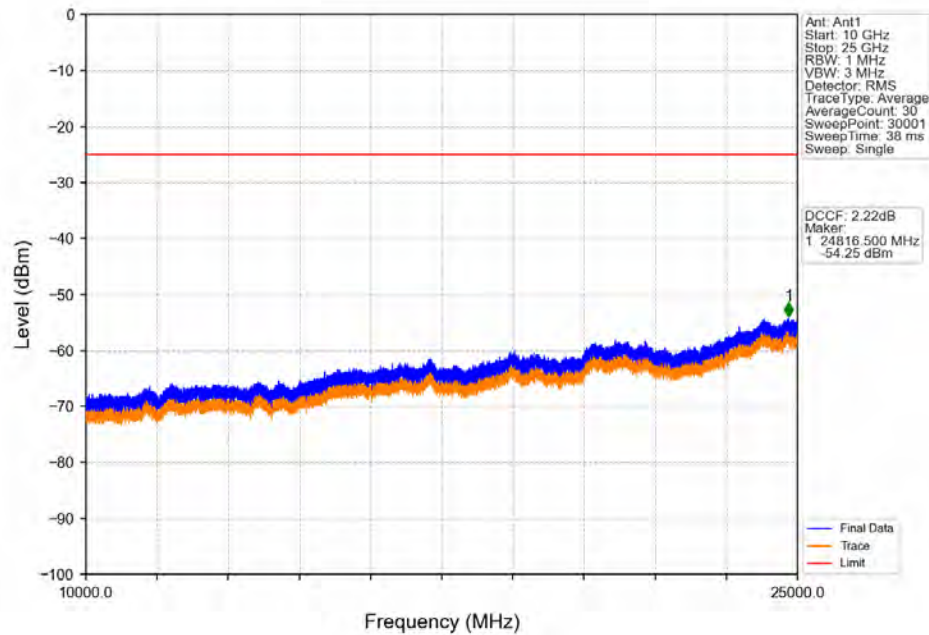
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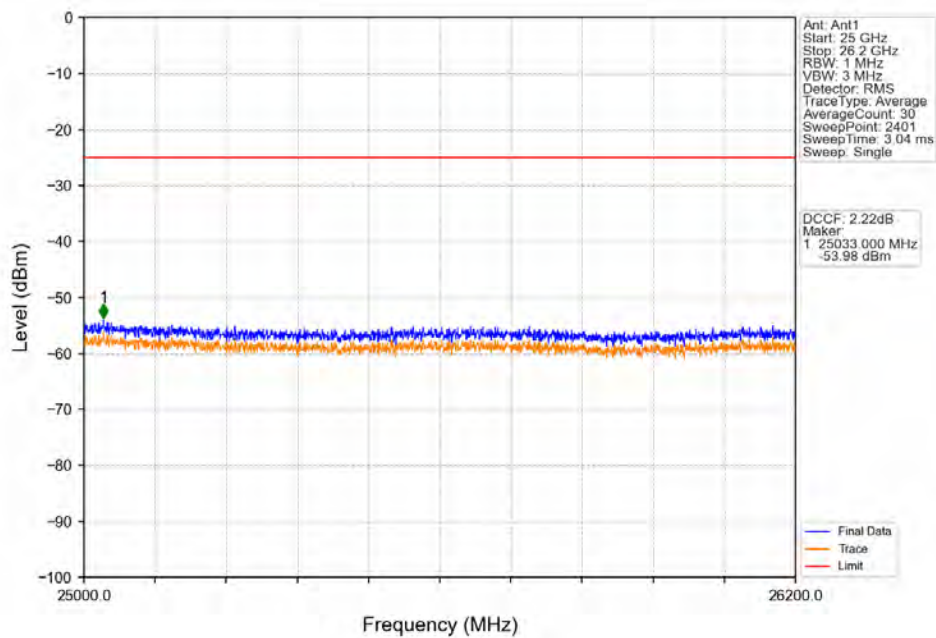
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Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV



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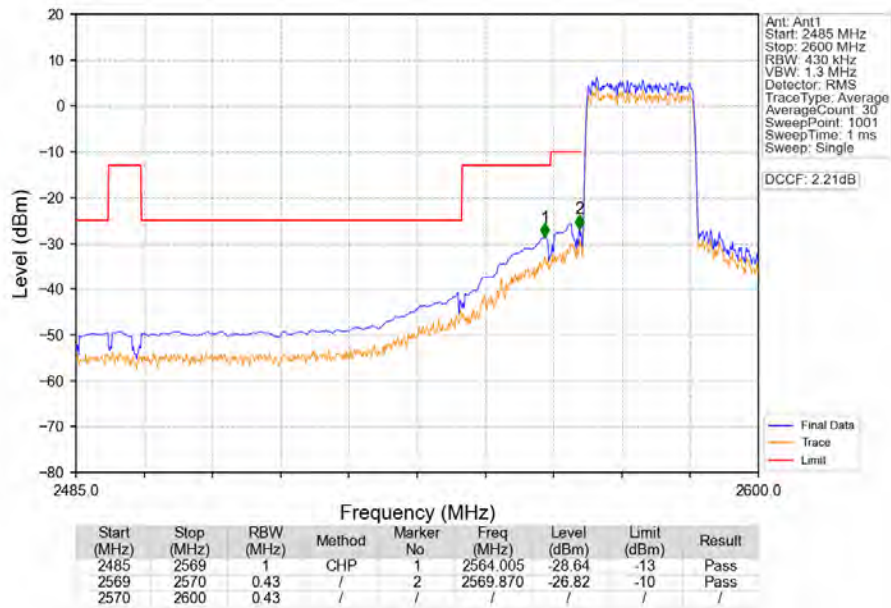
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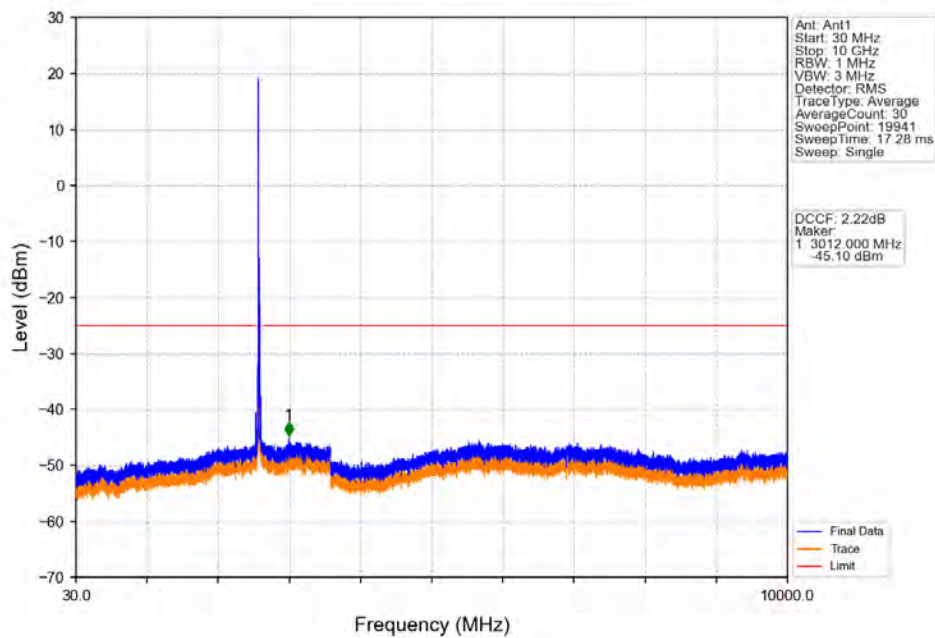
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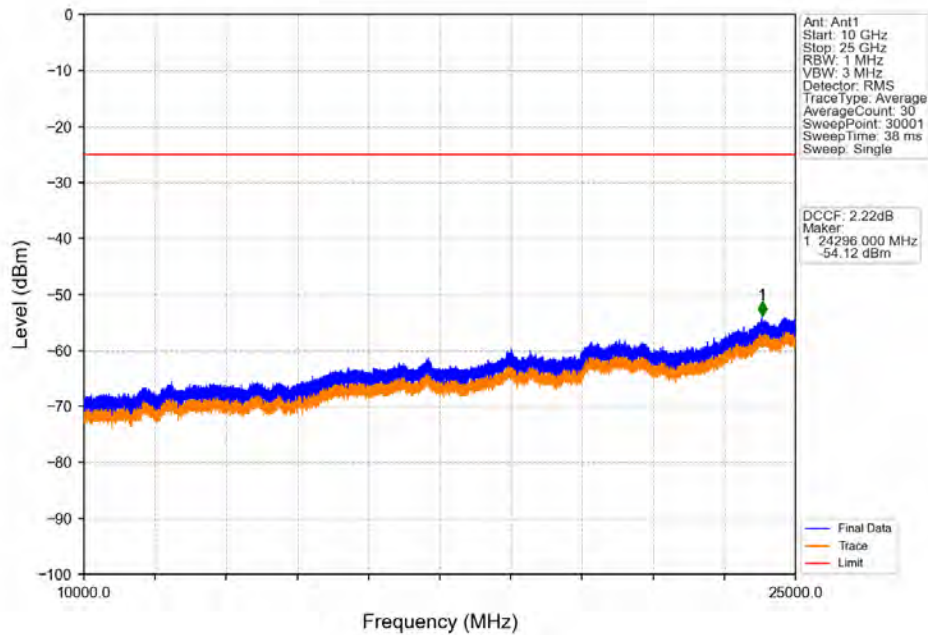
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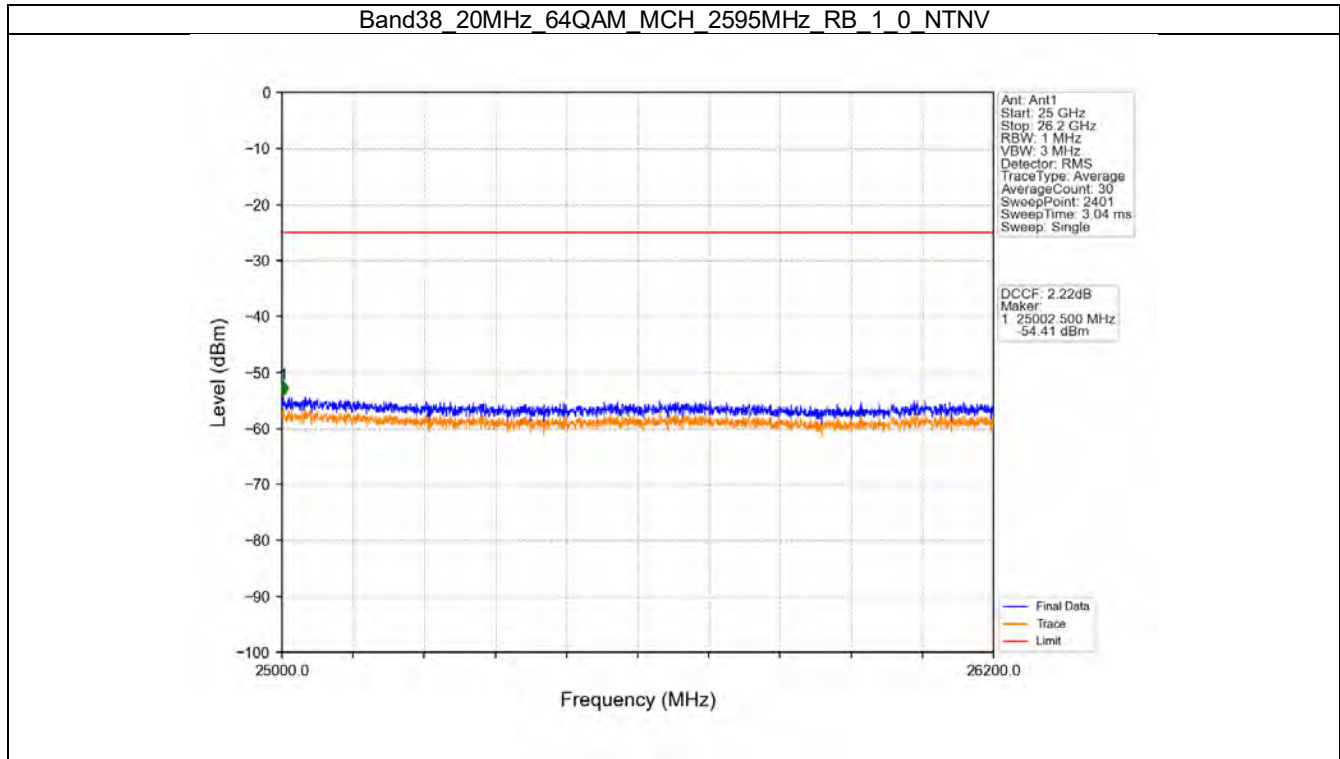


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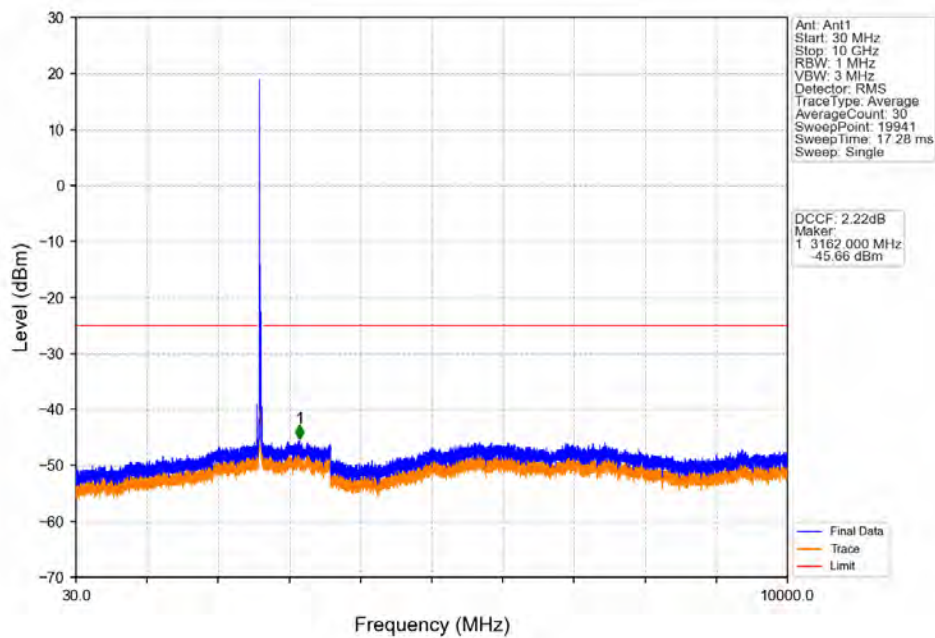
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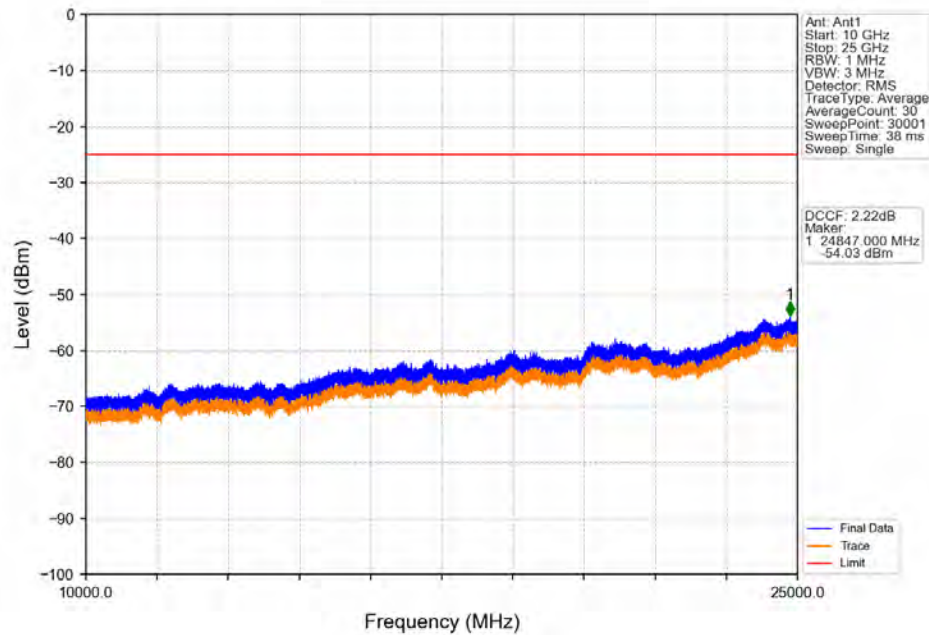
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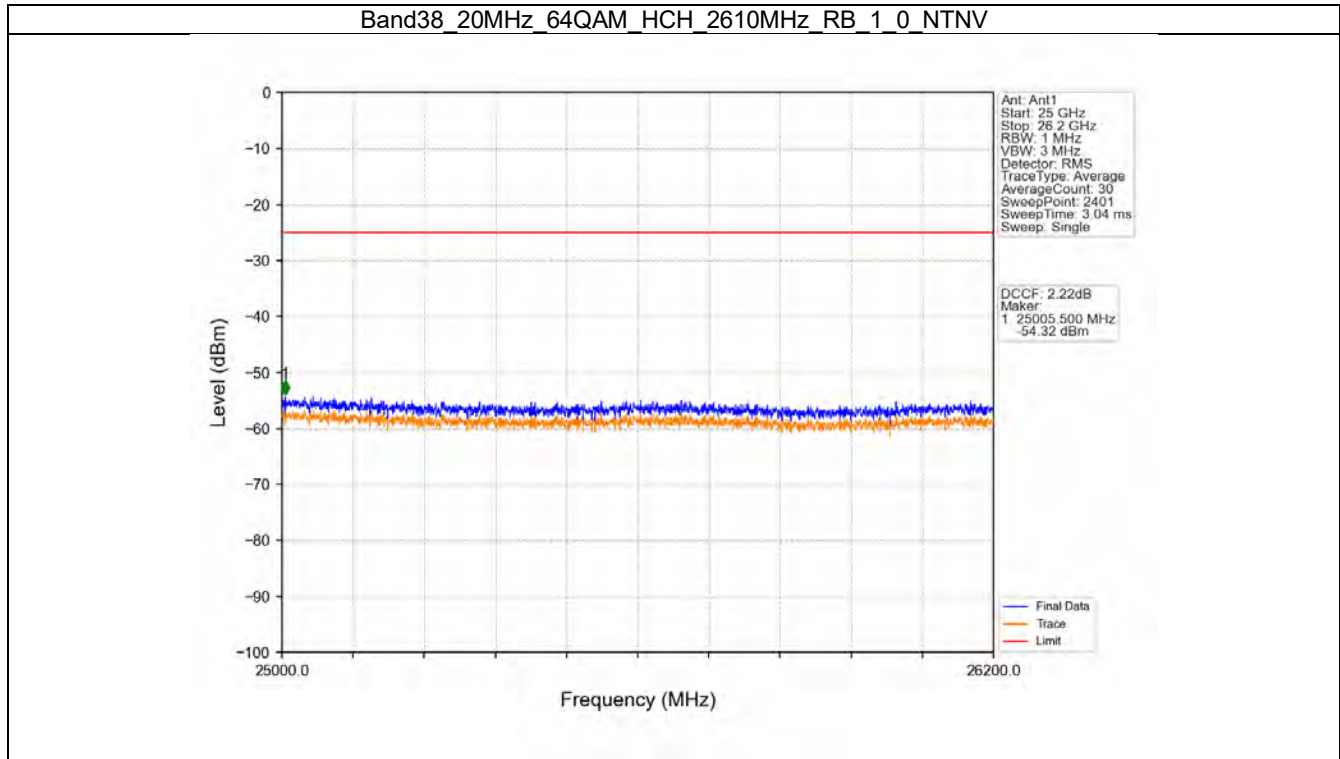


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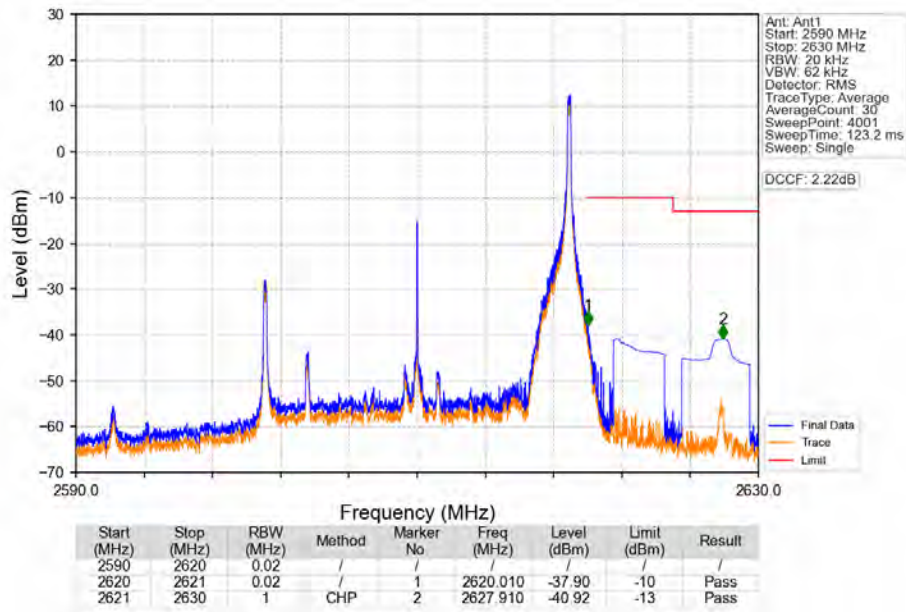
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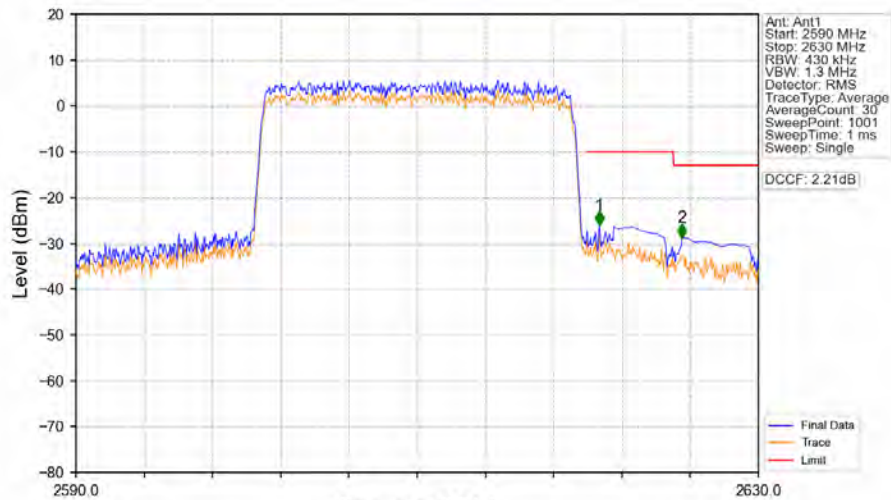
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Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	/	/	/	/	/	/
2620	2621	0.43	/	1	2620.680	-26.06	-10	Pass
2621	2630	1	CHP	2	2625.520	-28.78	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = B38 _ 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	3283.2113	45.40	28.66	-46.96	-68.16	-25.00	43.16	Horizontal
2	5142.0000	45.11	31.74	-47.01	-65.42	-25.00	40.42	Horizontal
3	7713.0000	42.37	36.31	-44.06	-60.64	-25.00	35.64	Horizontal
4	10284.000	38.33	38.74	-40.35	-58.54	-25.00	33.54	Horizontal
5	12855.000	36.81	39.71	-38.51	-57.25	-25.00	32.25	Horizontal
6	15426.000	35.37	40.15	-36.92	-56.66	-25.00	31.66	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3726.029	45.20	29.06	-47.41	-68.41	-25.00	43.41	Vertical
2	5142.0000	44.58	31.74	-47.01	-65.95	-25.00	40.95	Vertical
3	7713.0000	43.79	36.31	-44.06	-59.22	-25.00	34.22	Vertical
4	10284.000	38.06	38.74	-40.35	-58.81	-25.00	33.81	Vertical
5	12855.000	35.51	39.71	-38.51	-58.55	-25.00	33.55	Vertical
6	15426.000	35.33	40.15	-36.92	-56.70	-25.00	31.70	Vertical



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Test Band = B38 _ 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	3800.432	45.01	29.18	-47.21	-68.28	-25.00	43.28	Horizontal
2	5172.0000	52.47	31.81	-46.96	-57.94	-25.00	32.94	Horizontal
3	7758.0000	43.16	36.30	-44.17	-59.97	-25.00	34.97	Horizontal
4	10344.000	38.81	38.81	-40.31	-57.95	-25.00	32.95	Horizontal
5	12930.000	36.23	39.71	-38.59	-57.91	-25.00	32.91	Horizontal
6	15516.000	35.70	39.84	-37.74	-57.46	-25.00	32.46	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3483.6193	45.27	28.70	-46.93	-68.22	-25.00	43.22	Vertical
2	5172.0000	53.94	31.81	-46.96	-56.47	-25.00	31.47	Vertical
3	7758.0000	42.70	36.30	-44.17	-60.43	-25.00	35.43	Vertical
4	10344.000	39.81	38.81	-40.31	-56.95	-25.00	31.95	Vertical
5	12930.000	35.82	39.71	-38.59	-58.32	-25.00	33.32	Vertical
6	15516.000	35.70	39.84	-37.74	-57.46	-25.00	32.46	Vertical



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Test Band = B38 _ 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	3749.43	45.47	29.10	-47.35	-68.04	-25.00	43.04	Horizontal
2	5202.0000	45.22	31.89	-46.92	-65.07	-25.00	40.07	Horizontal
3	7803.0000	42.61	36.28	-44.26	-60.63	-25.00	35.63	Horizontal
4	10404.000	38.45	38.89	-40.47	-58.39	-25.00	33.39	Horizontal
5	13005.000	37.11	39.71	-38.68	-57.12	-25.00	32.12	Horizontal
6	15606.000	36.16	39.54	-36.91	-56.47	-25.00	31.47	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3451.218	45.19	28.69	-46.97	-68.35	-25.00	43.35	Vertical
2	5202.0000	44.21	31.89	-46.92	-66.08	-25.00	41.08	Vertical
3	7803.0000	42.73	36.28	-44.26	-60.51	-25.00	35.51	Vertical
4	10404.000	38.11	38.89	-40.47	-58.73	-25.00	33.73	Vertical
5	13005.000	36.45	39.71	-38.68	-57.78	-25.00	32.78	Vertical
6	15606.000	36.12	39.54	-36.91	-56.51	-25.00	31.51	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) - Preamplifier (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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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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