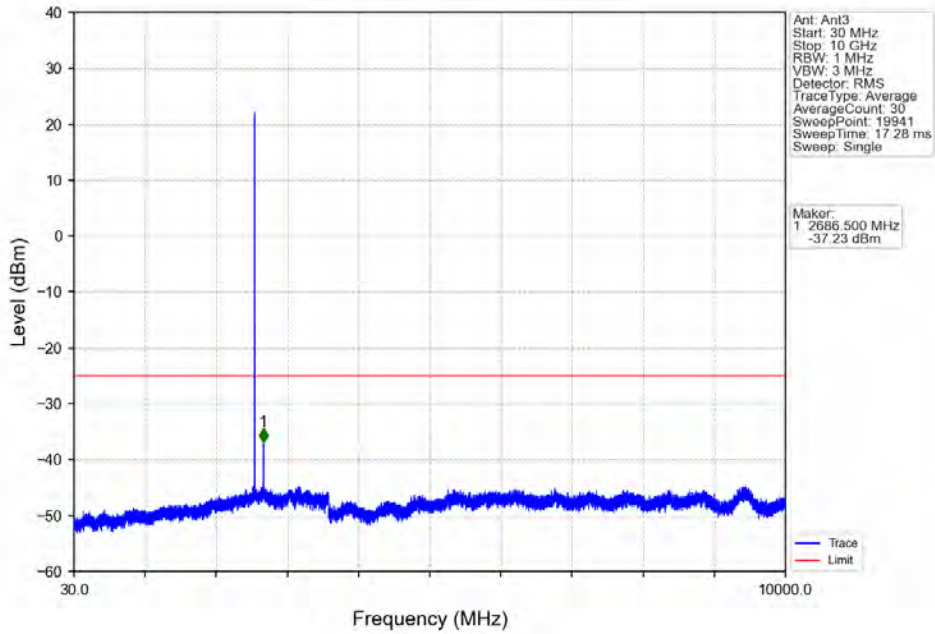


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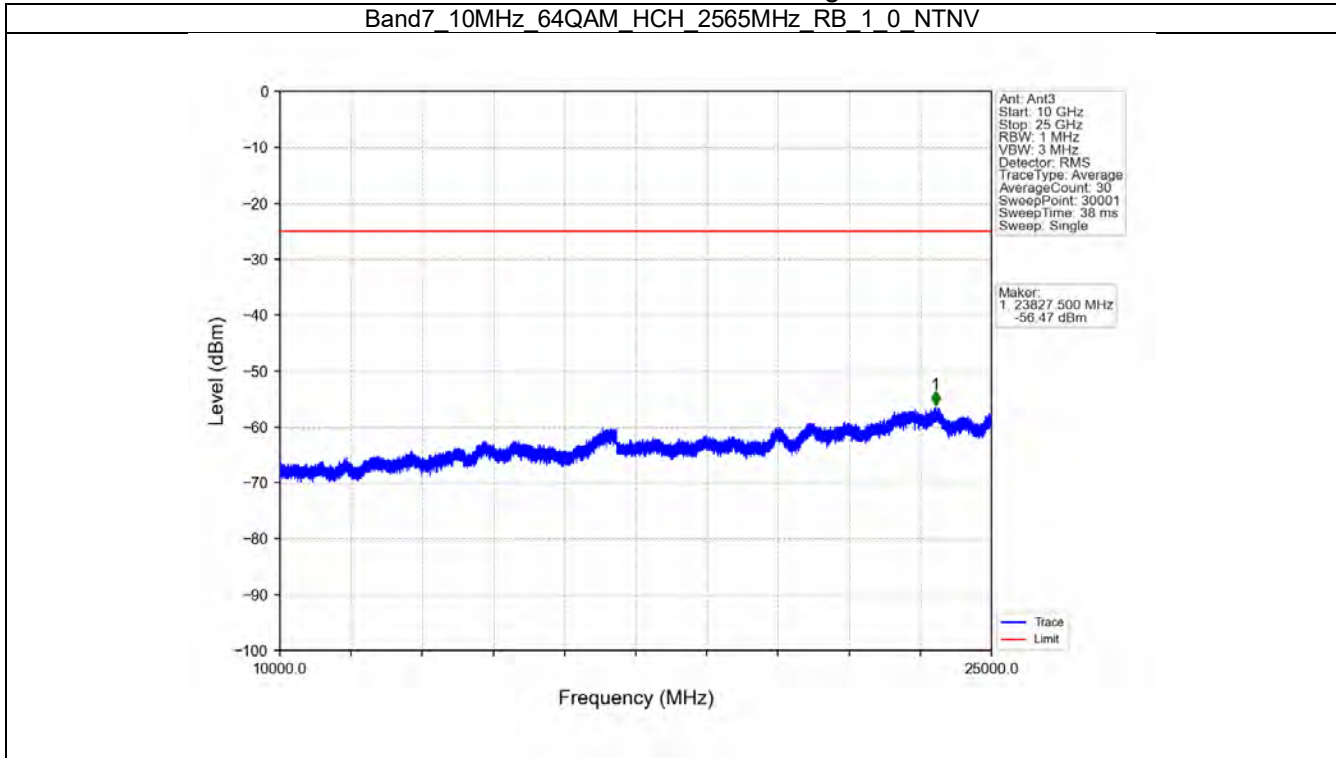


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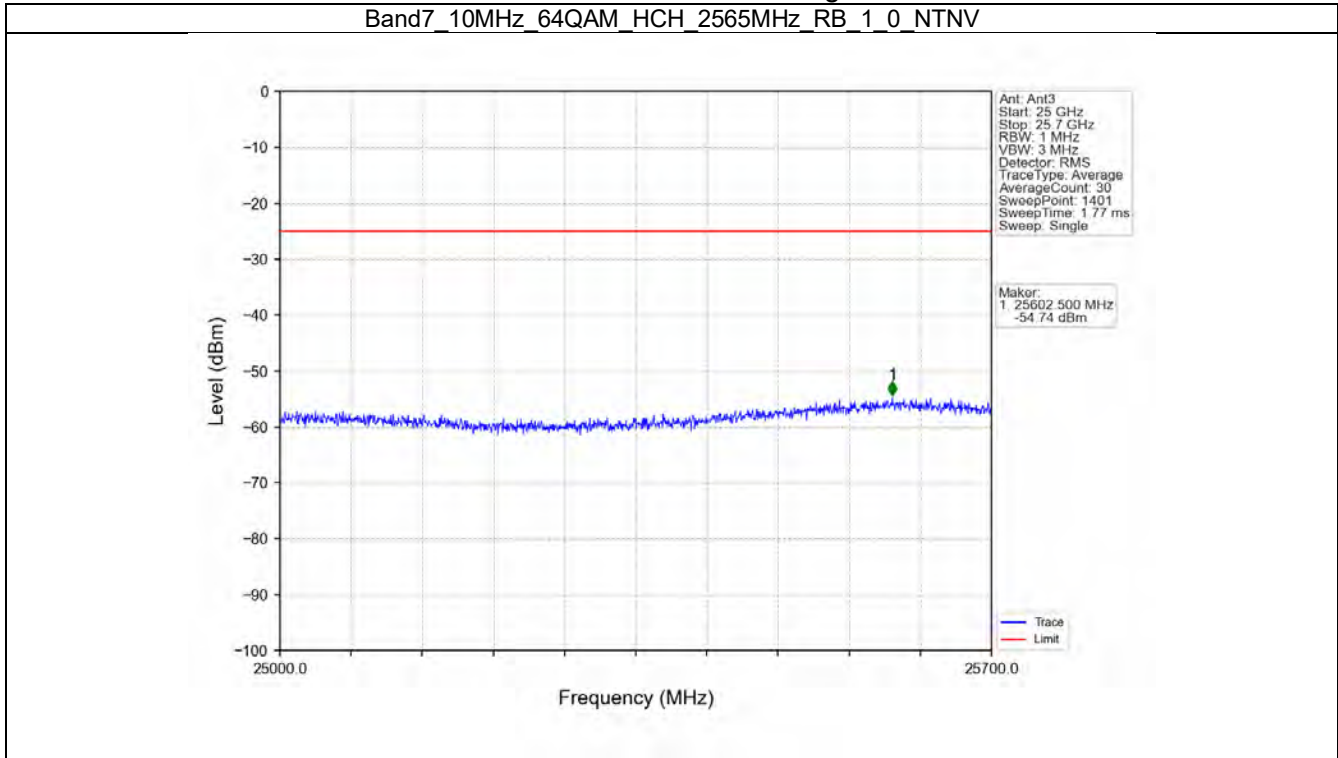
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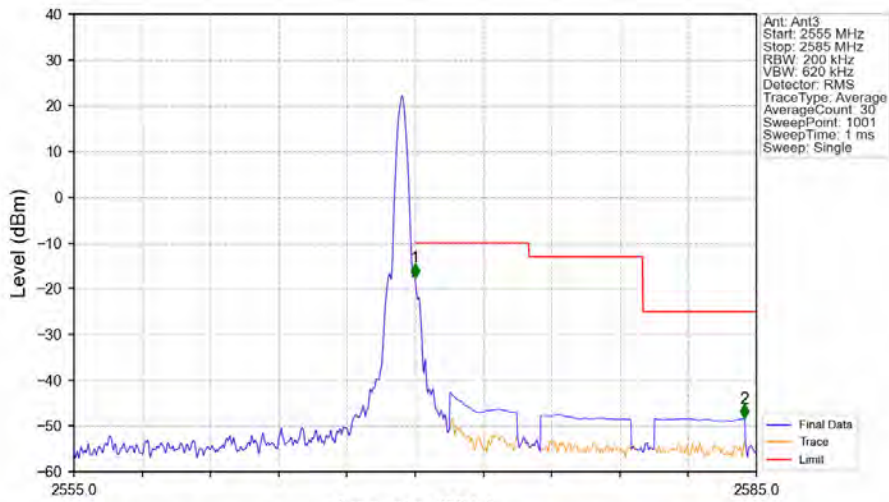
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.000	-17.59	-10	Pass
2571	2585	1	CHP	2	2584.460	-48.39	-25	Pass



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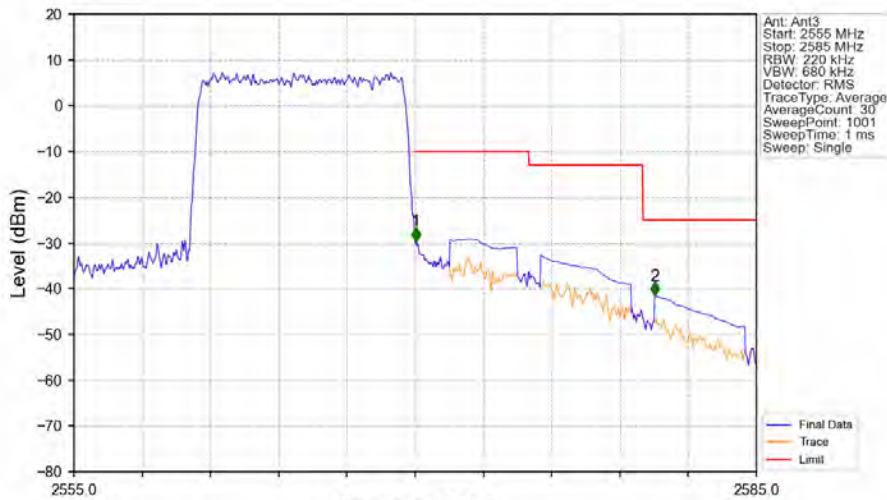


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Band7\_10MHz\_64QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.22	/	/	/	/	/	/
2570	2571	0.22	/	1	2570.030	-29.66	-10	Pass
2571	2585	1	CHP	2	2580.530	-41.55	-25	Pass



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### 5.3 B7\_15MHz

#### 5.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

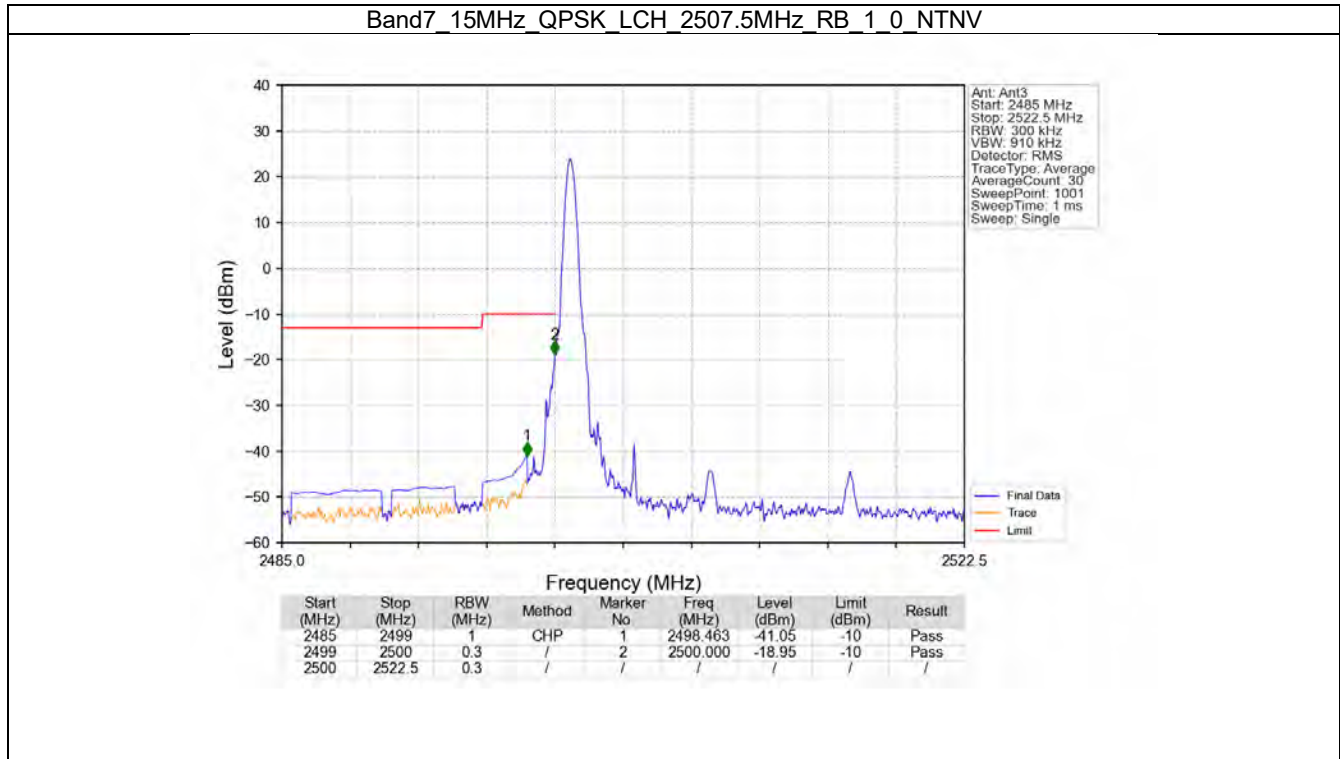


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5.3.2 Test Graph

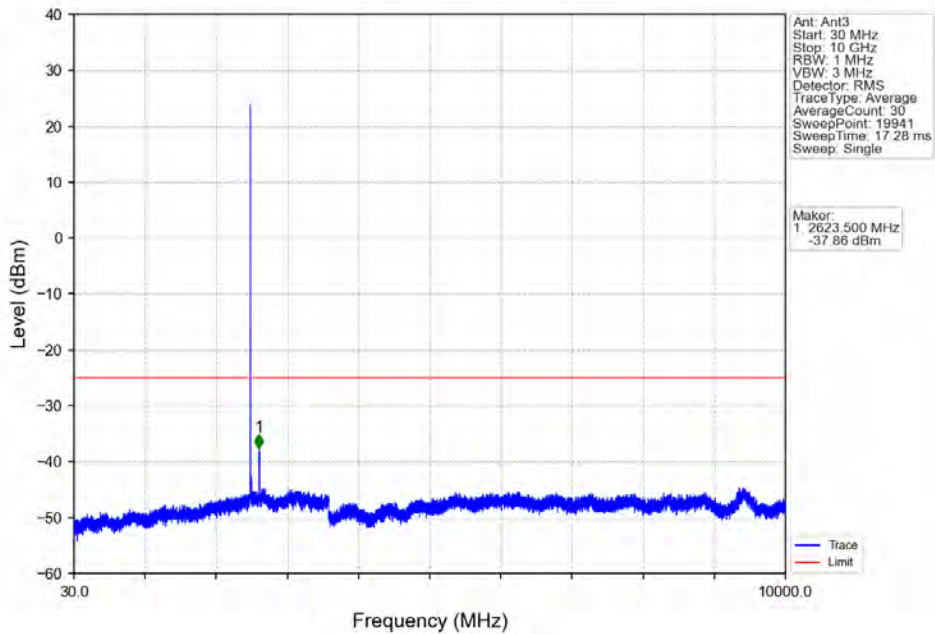


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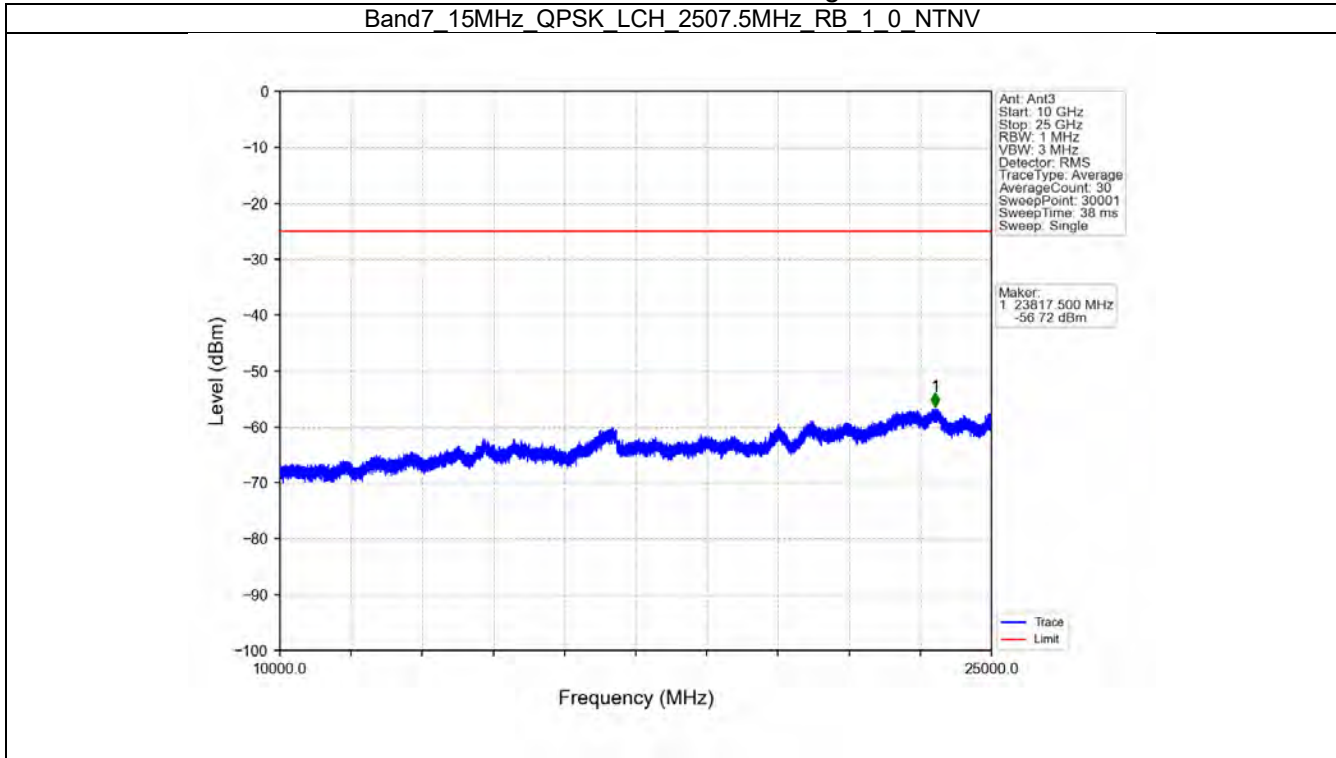


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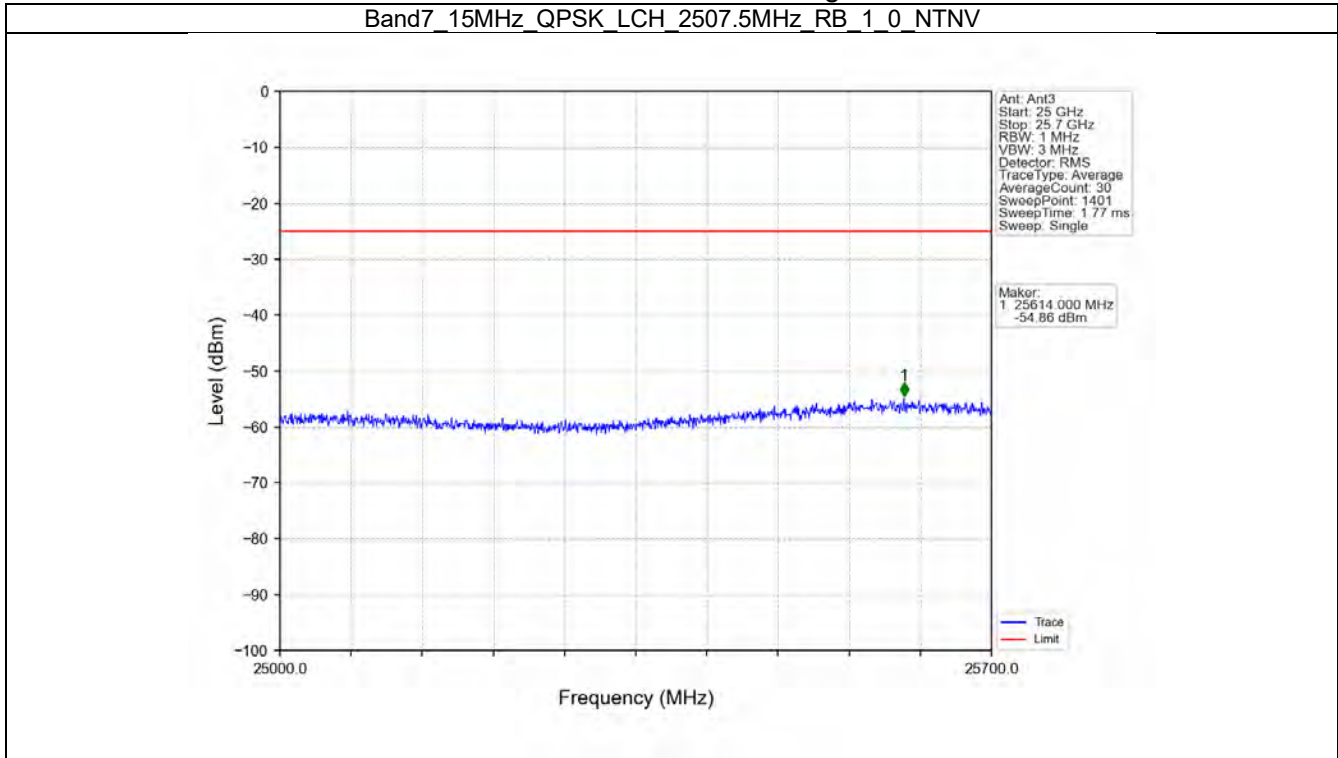
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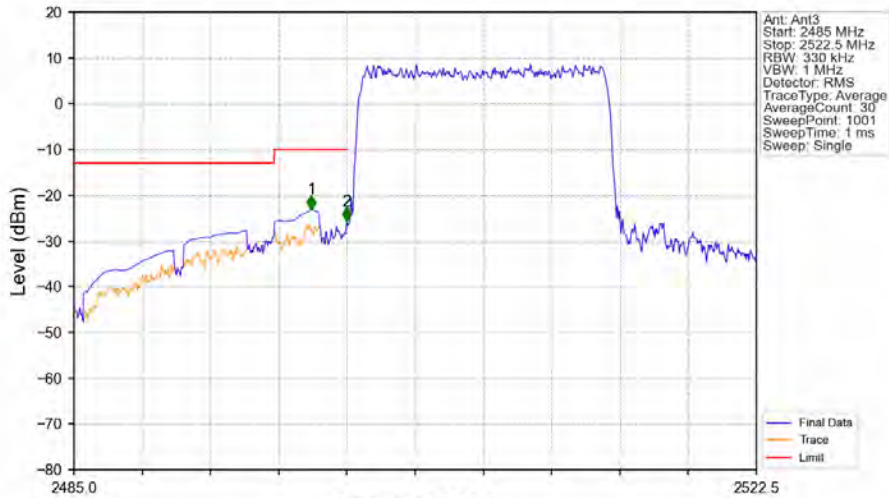
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Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



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2485	2499	1	CHP	1	2498.050	-23.15	-10	Pass
2499	2500	0.33	/	2	2500.000	-25.70	-10	Pass
2500	2522.5	0.33	/	/	/	/	/	/



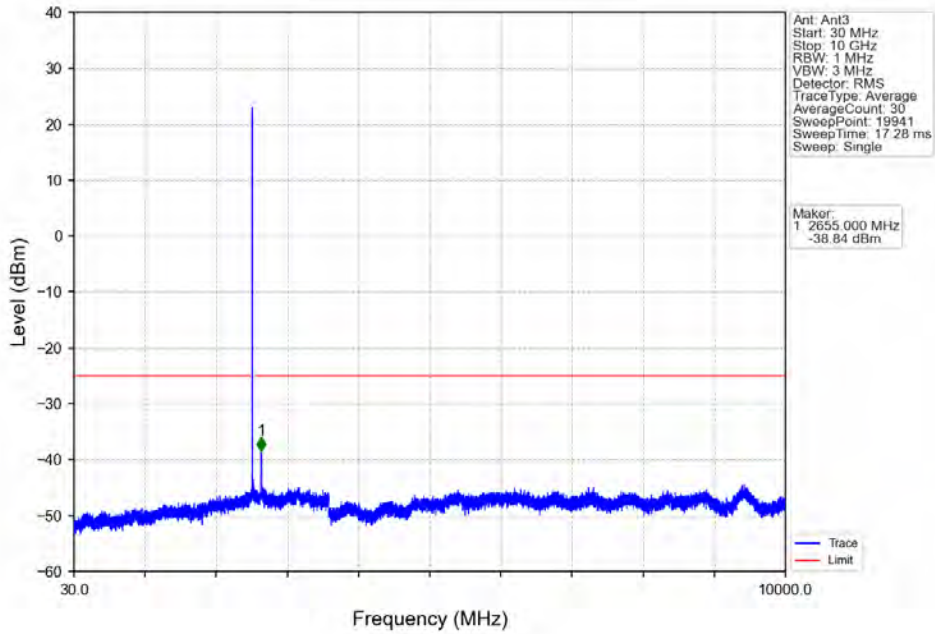
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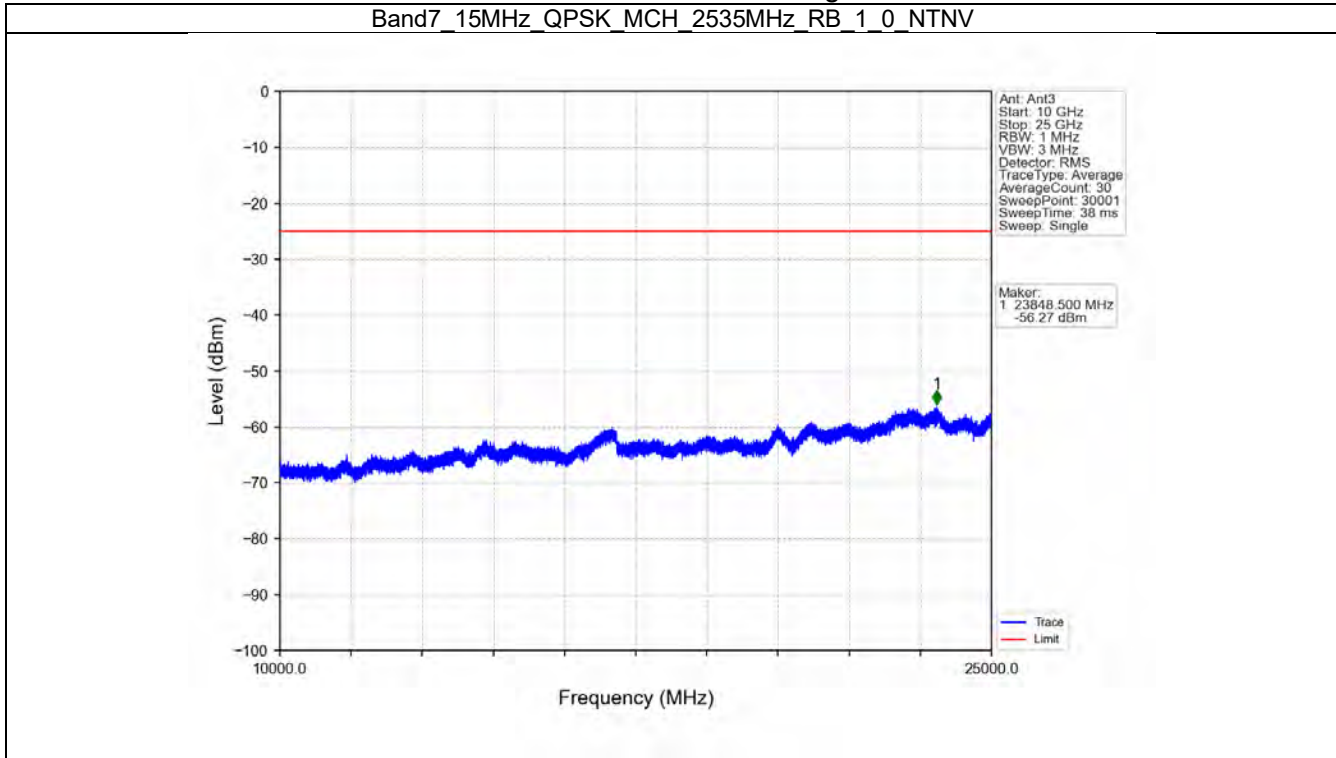
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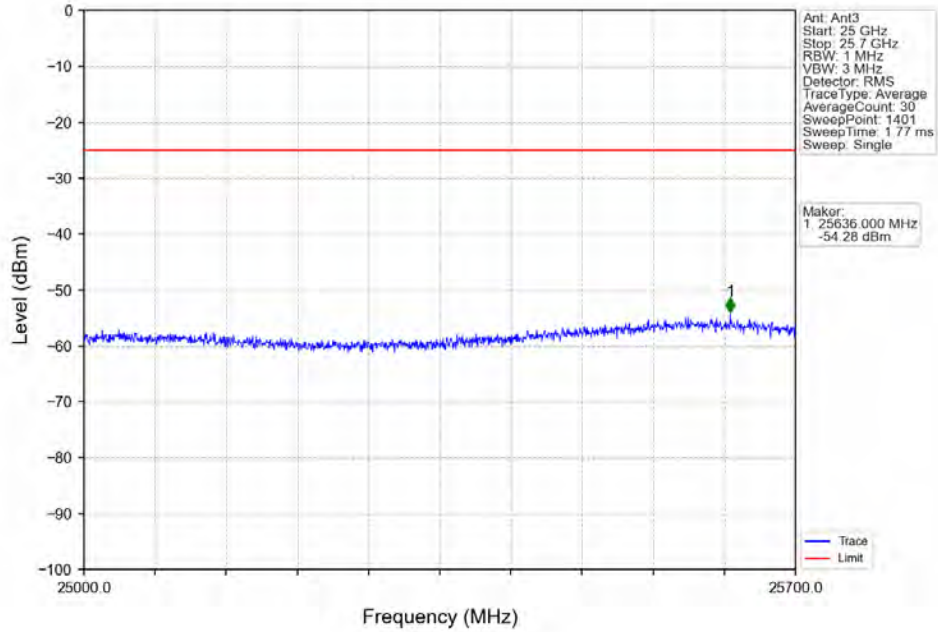


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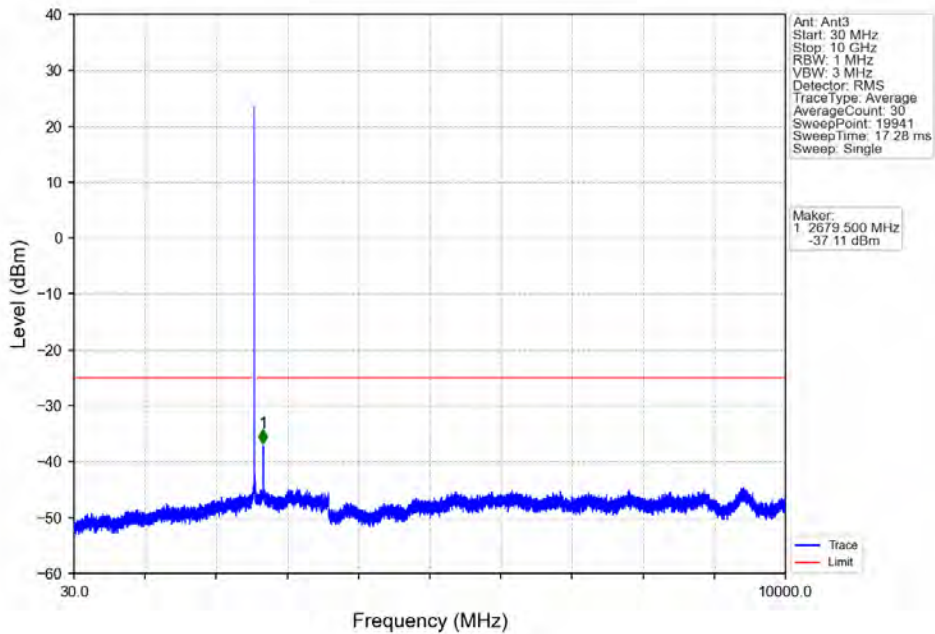
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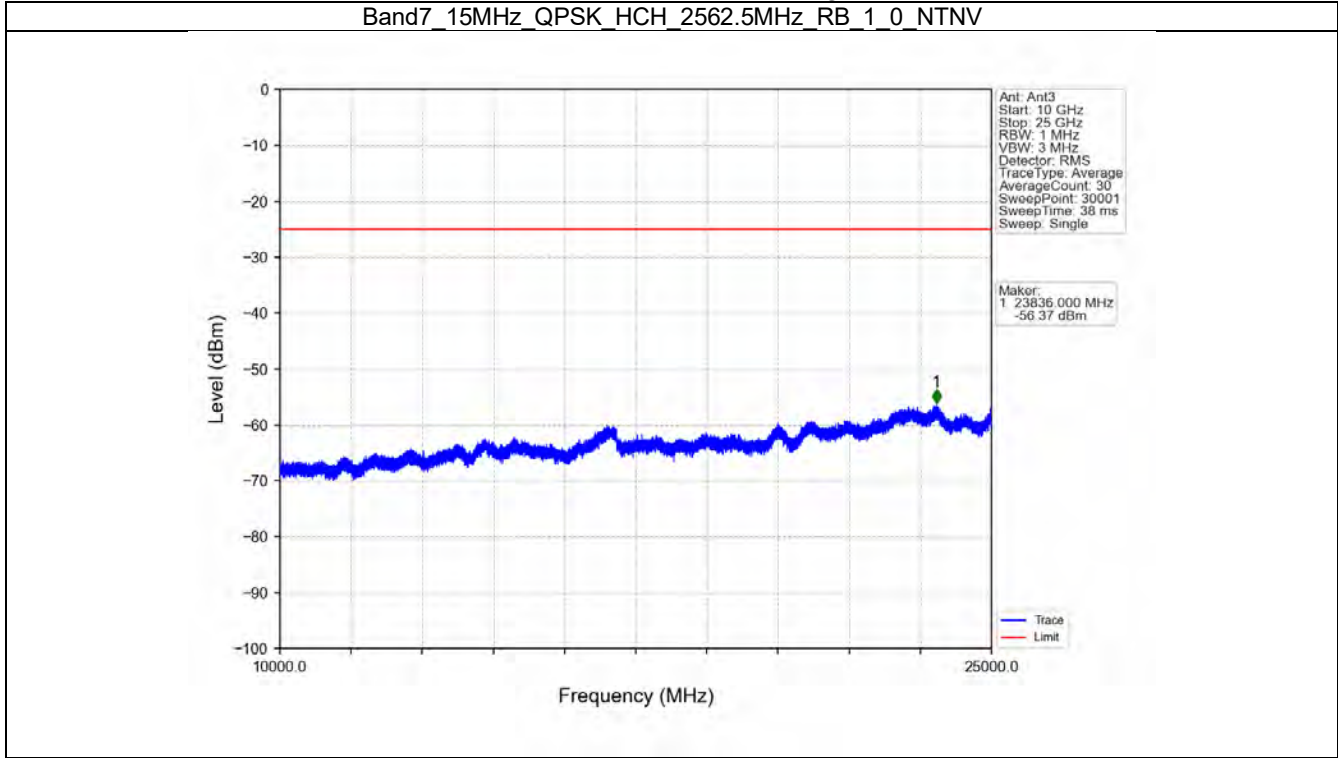
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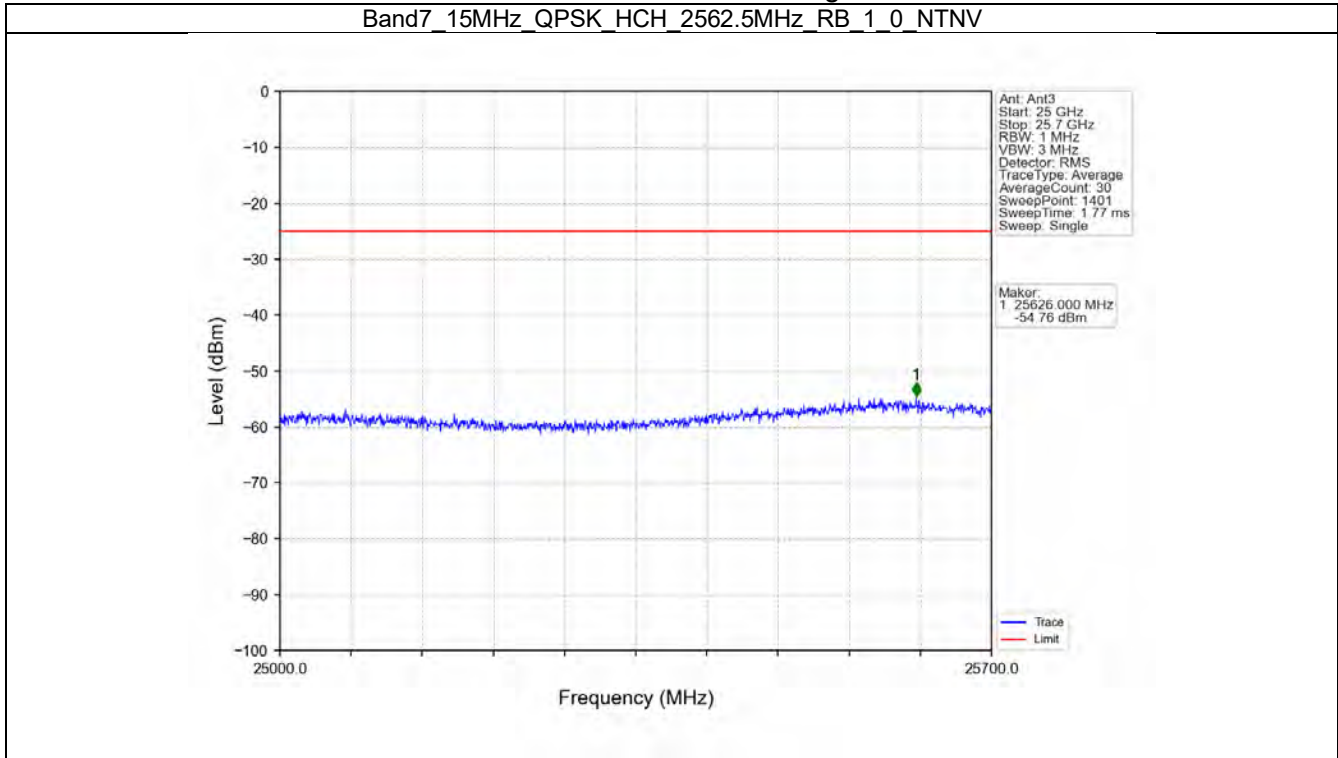
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Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



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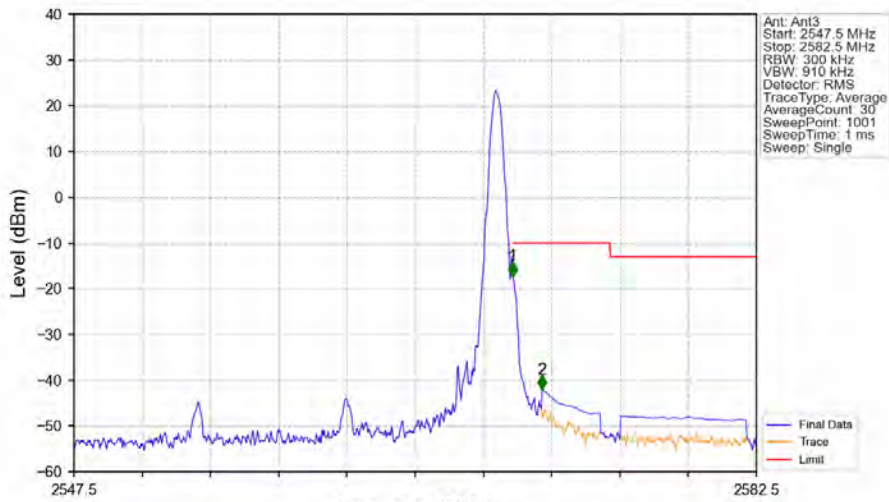
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Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_1\_74\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.005	-17.25	-10	Pass
2571	2582.5	1	CHP	2	2571.510	-41.99	-10	Pass



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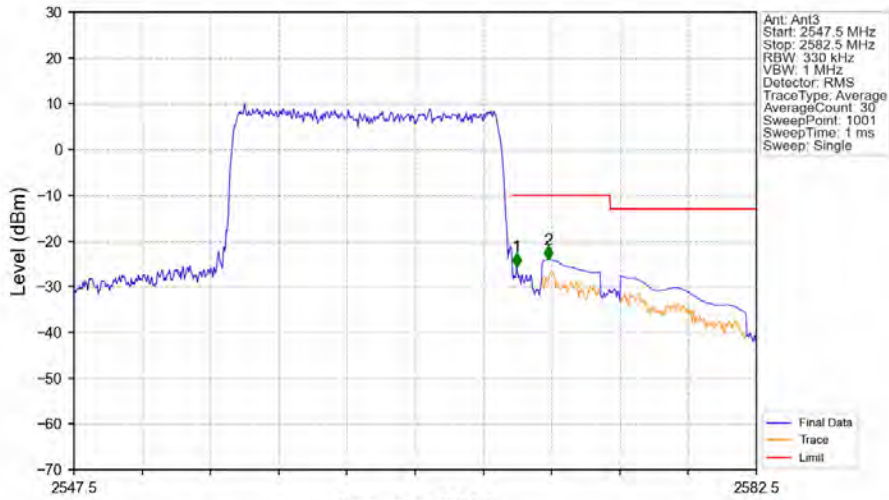
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Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.33	/	/	/	/	/	/
2570	2571	0.33	/	1	2570.215	-25.66	-10	Pass
2571	2582.5	1	CHP	2	2571.825	-24.12	-10	Pass



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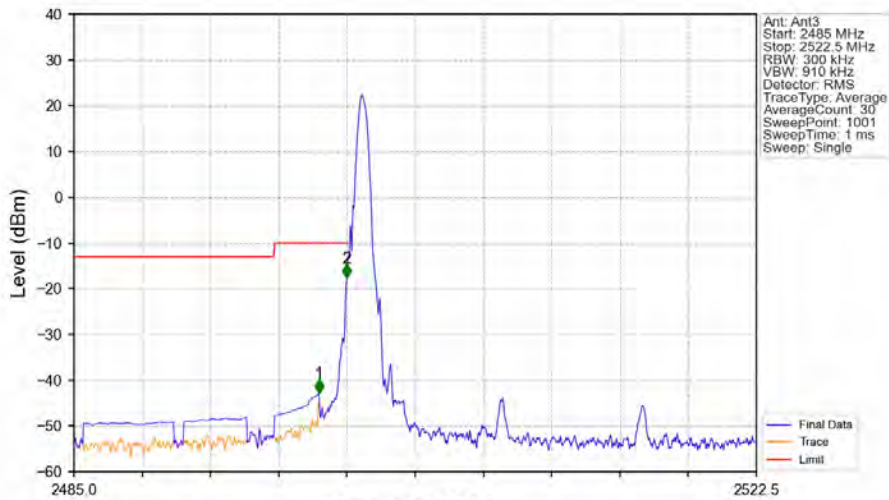
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Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.463	-42.94	-10	Pass
2499	2500	0.3	/	2	2500.000	-17.65	-10	Pass
2500	2522.5	0.3	/	/	/	/	/	/



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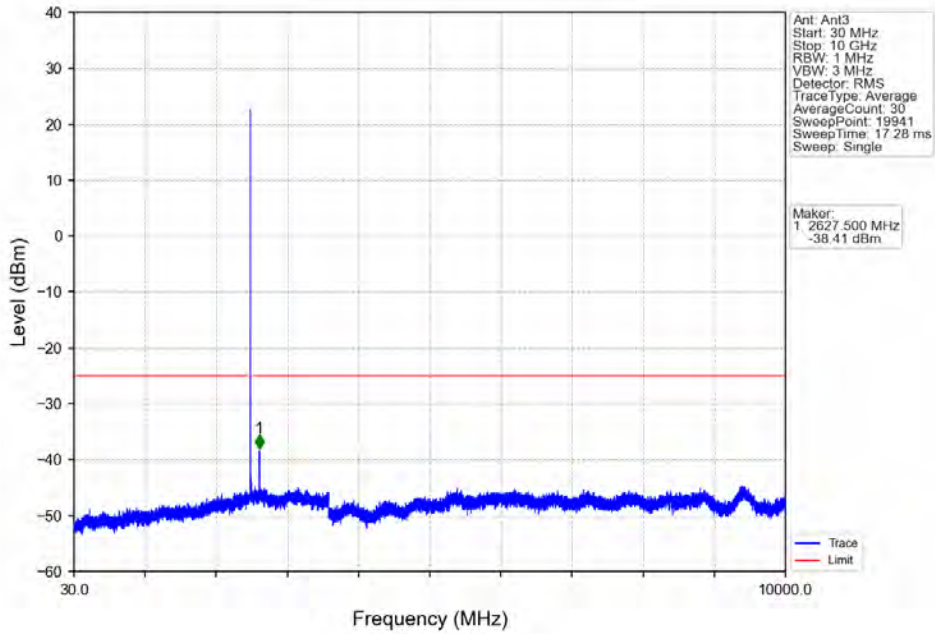
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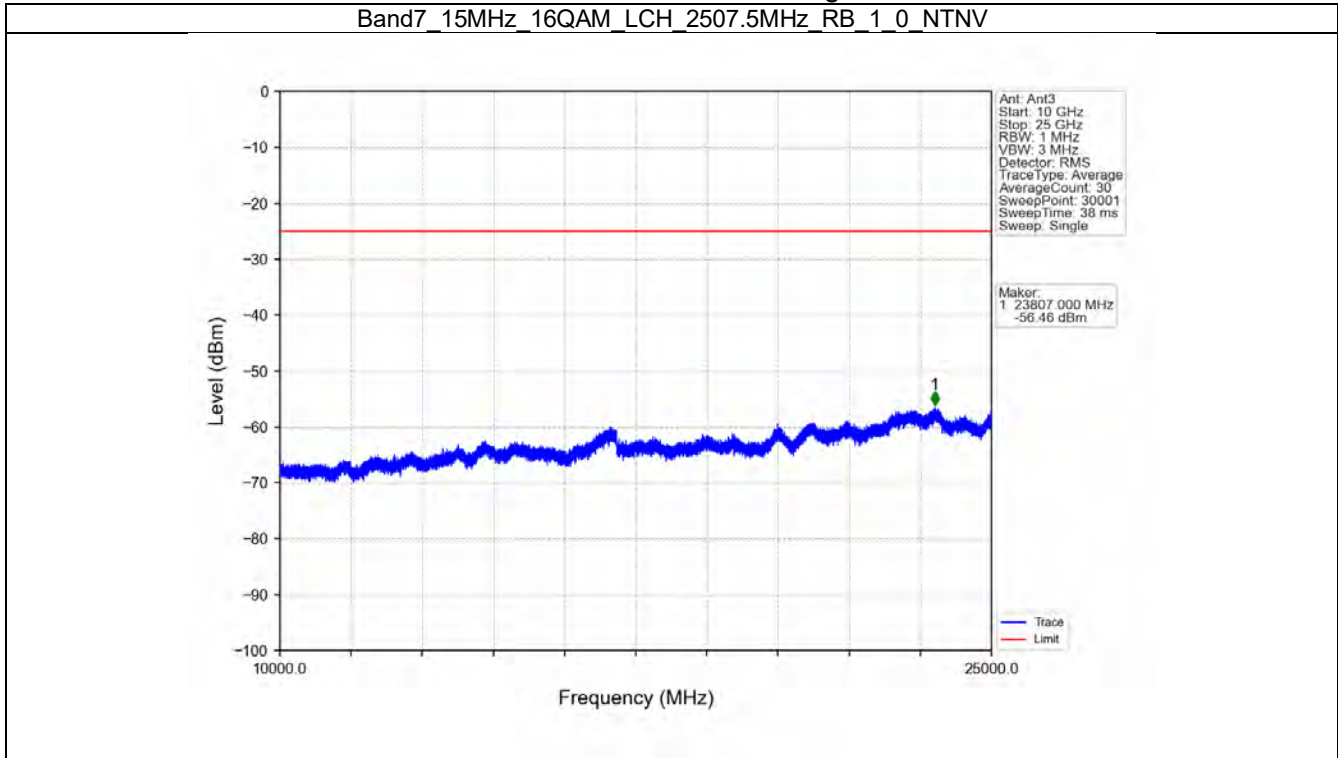


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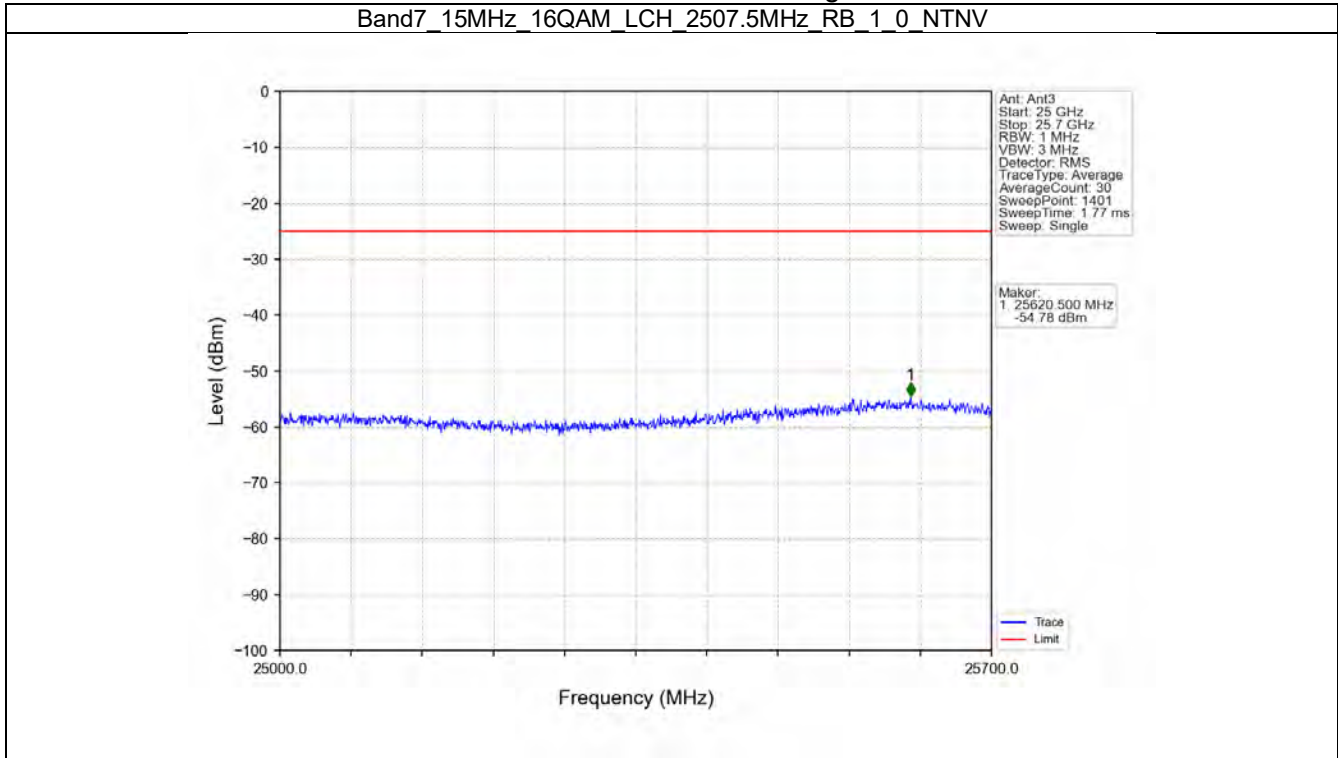
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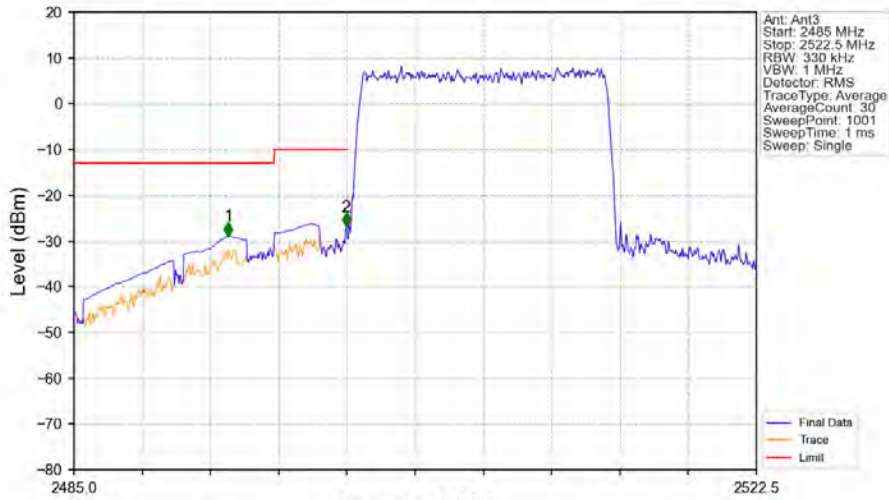
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Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2483.475	-28.95	-13	Pass
2499	2500	0.33	/	2	2499.963	-26.97	-10	Pass
2500	2522.5	0.33	/	/	/	/	/	/



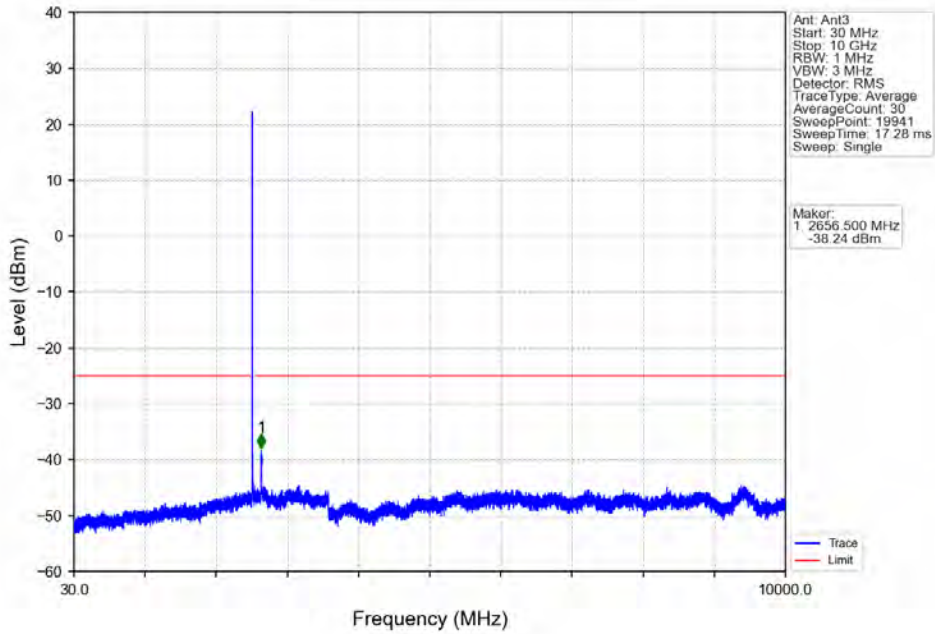
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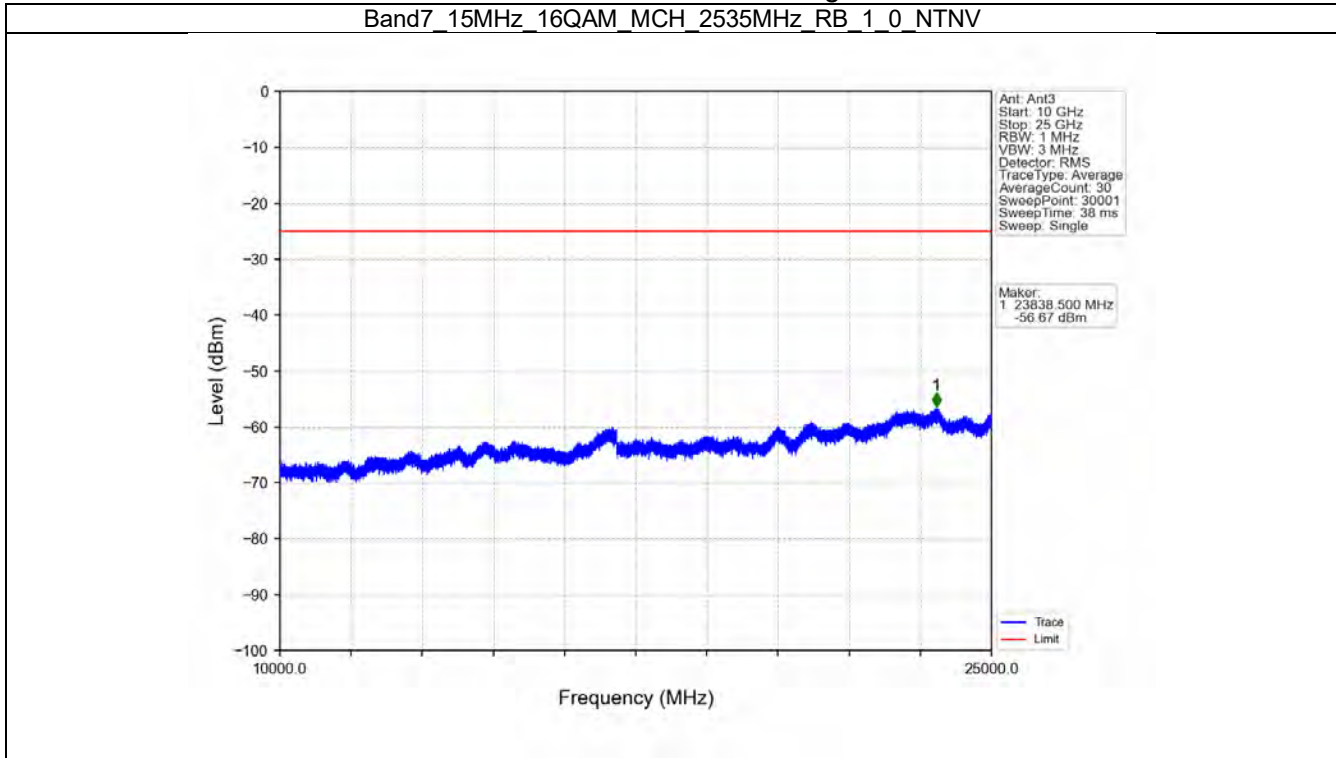
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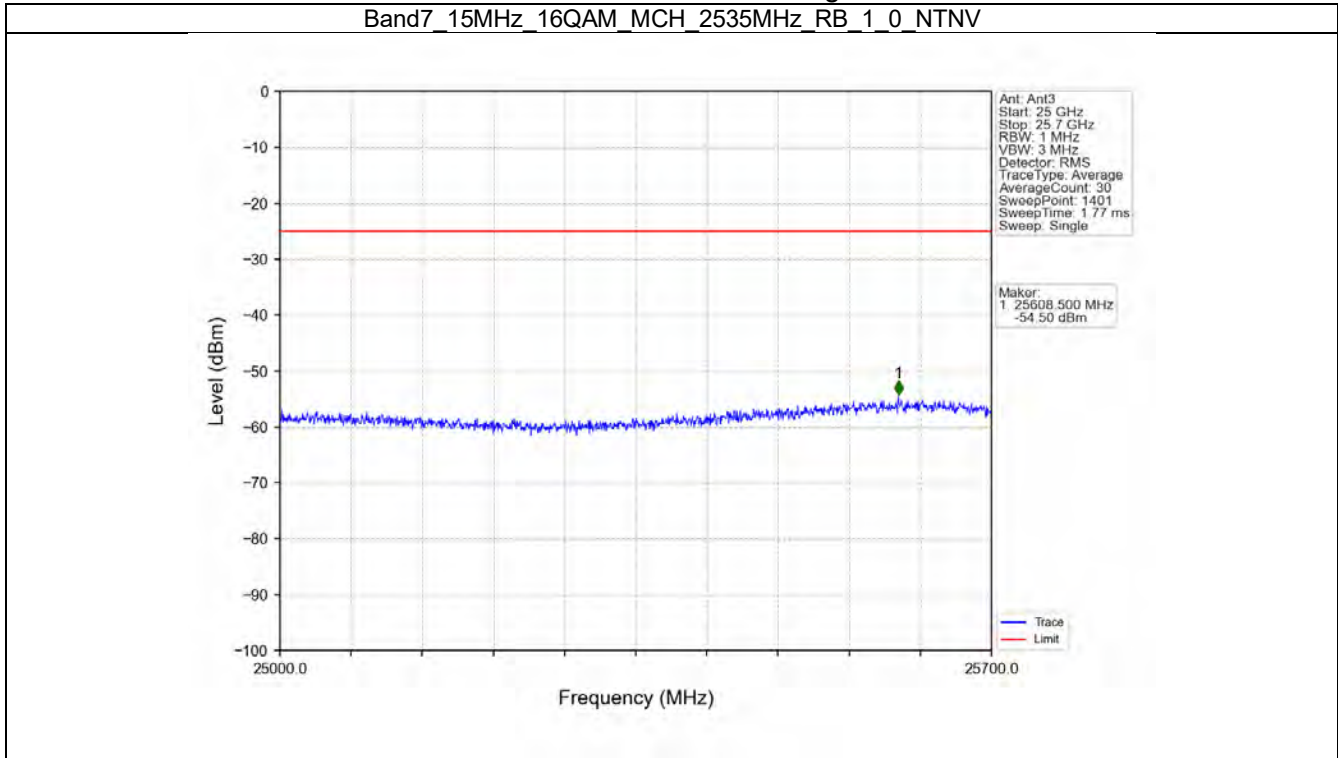
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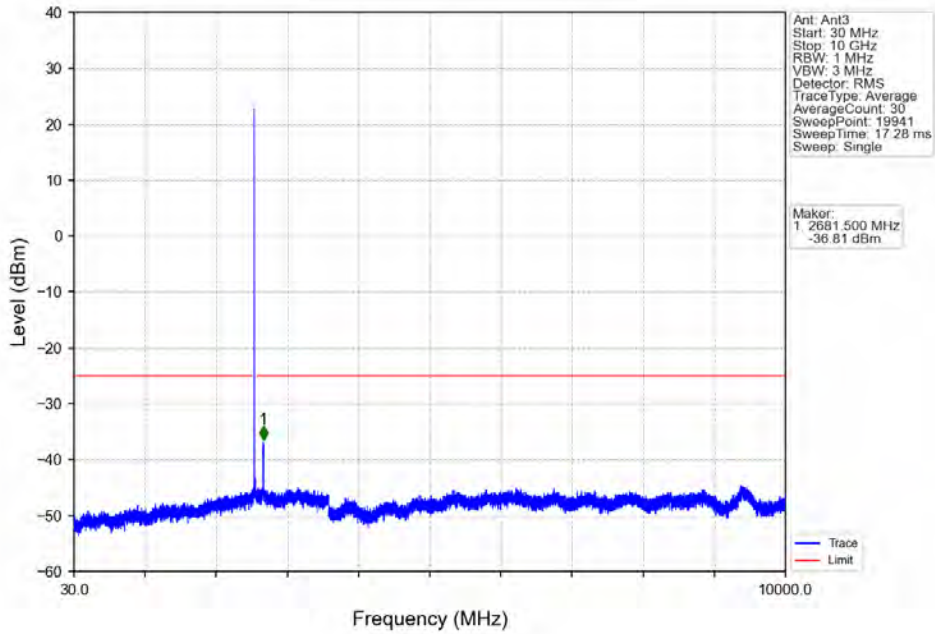


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Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



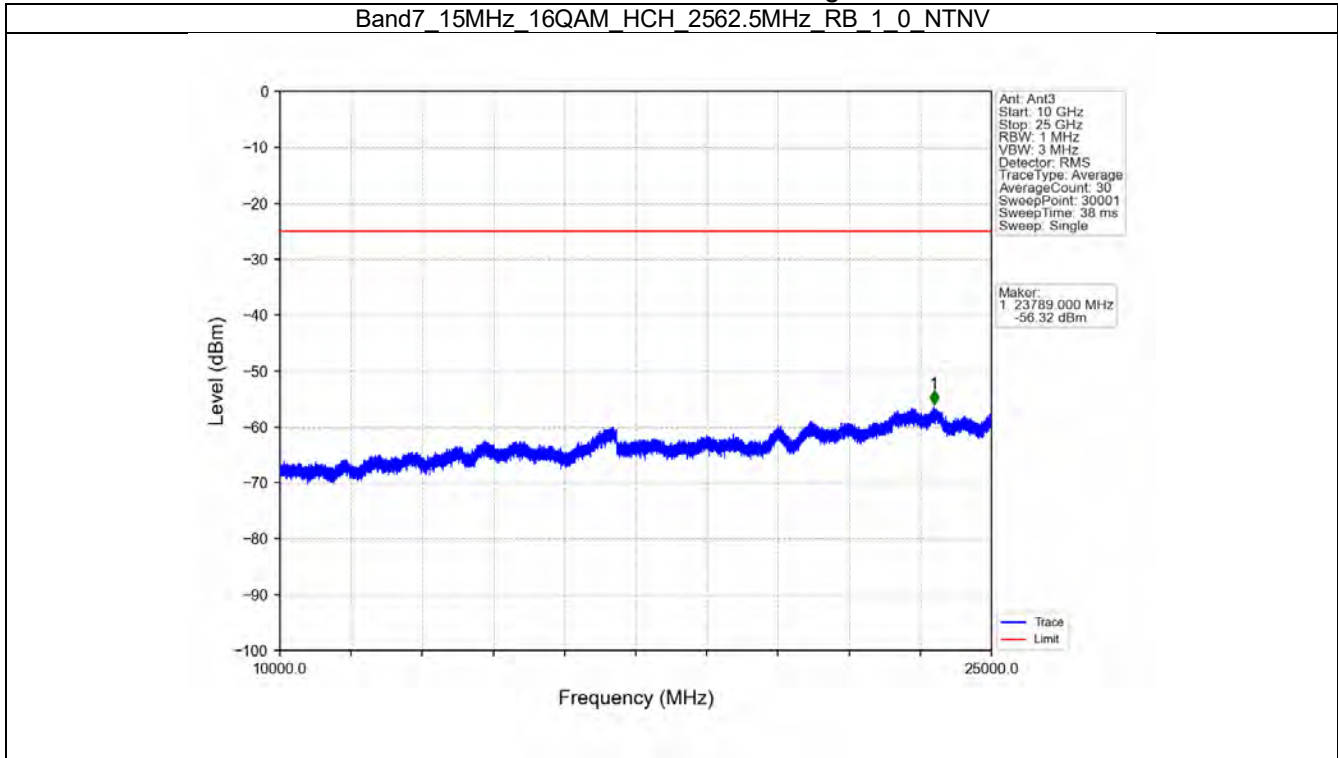
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Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



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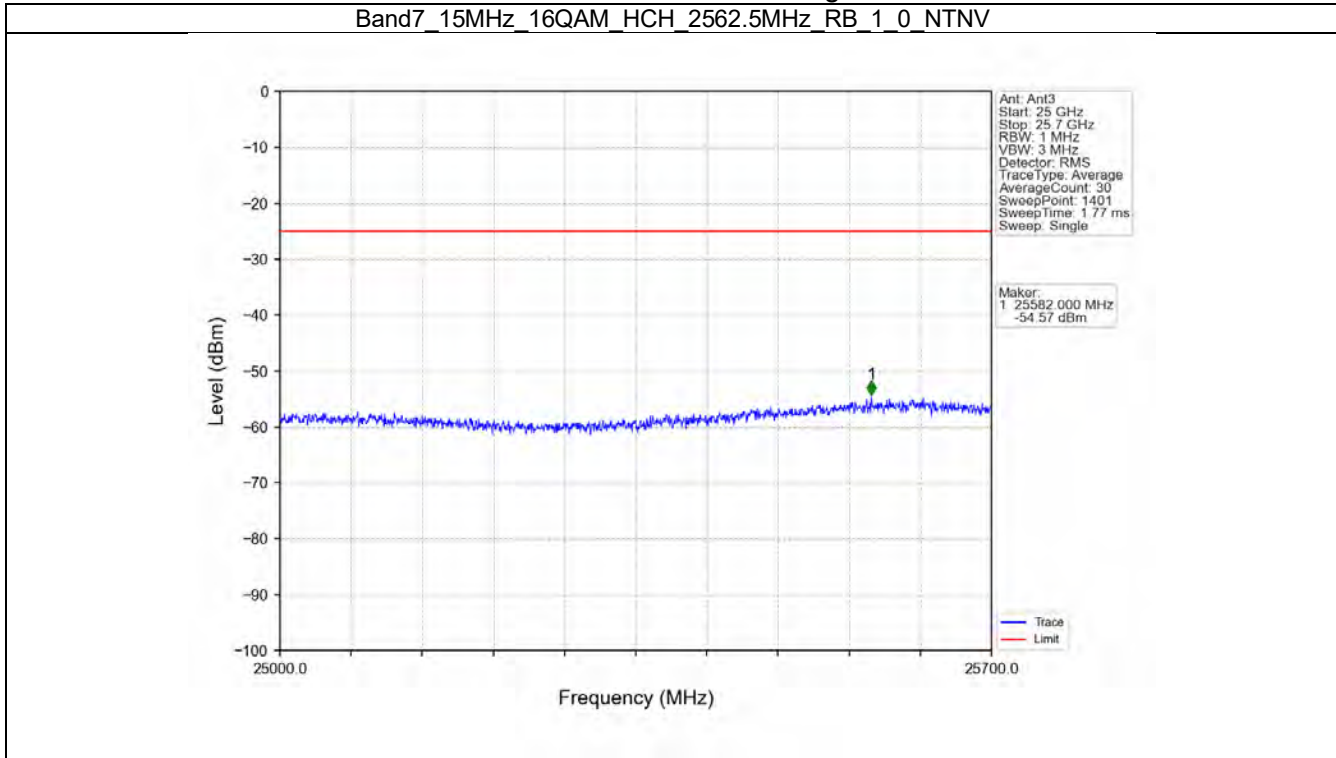
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Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_1\_0\_NTNV



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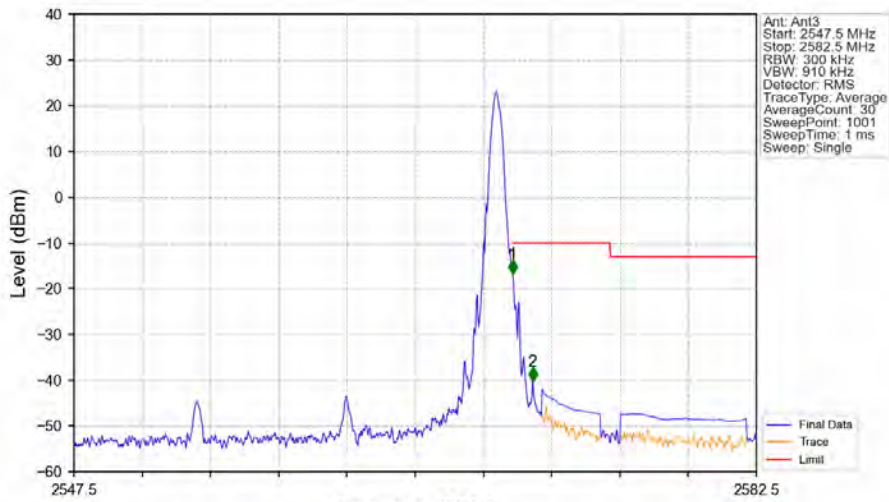
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Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_1\_74\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	1	2570.005	-16.74	-10	Pass
2570	2571	0.3	/	1	2570.005	-16.74	-10	Pass
2571	2582.5	1	CHP	2	2571.020	-40.25	-10	Pass



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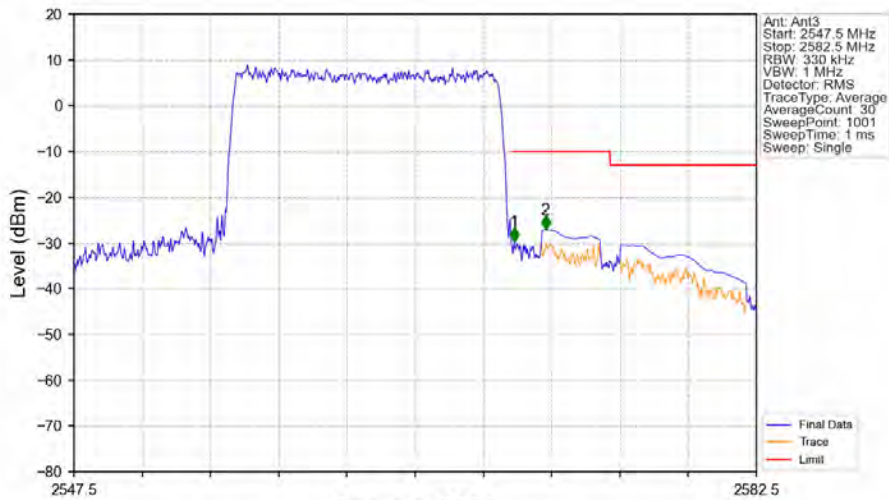
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Band7 15MHz 16QAM HCH 2562.5MHz RB 75 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.33	/	/	/	/	/	/
2570	2571	0.33	/	1	2570.075	-29.75	-10	Pass
2571	2582.5	1	CHP	2	2571.665	-27.14	-10	Pass



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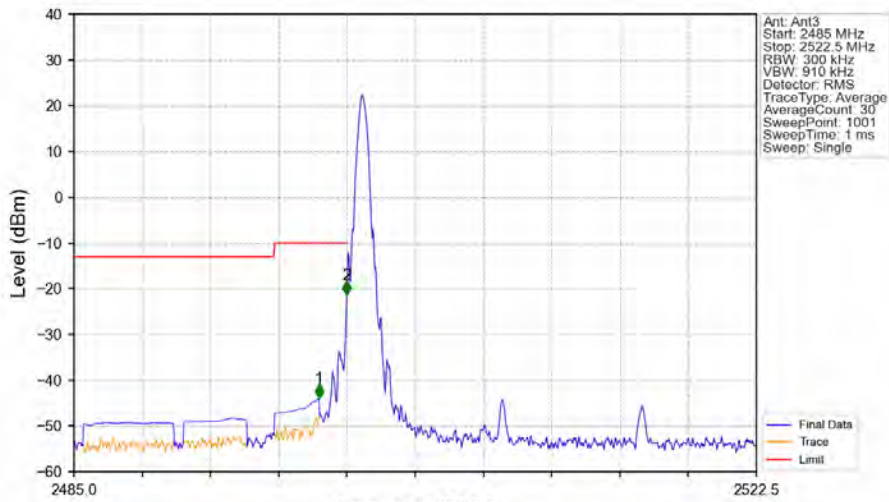


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Band7\_15MHz\_64QAM\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.463	-43.92	-10	Pass
2499	2500	0.3	/	2	2500.000	-21.40	-10	Pass
2500	2522.5	0.3	/	/	/	/	/	/



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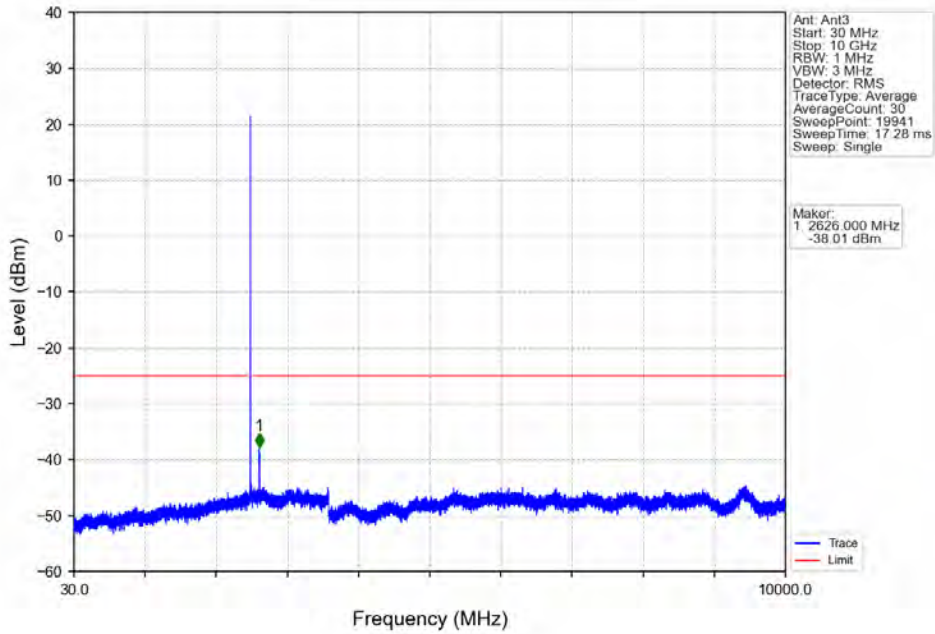
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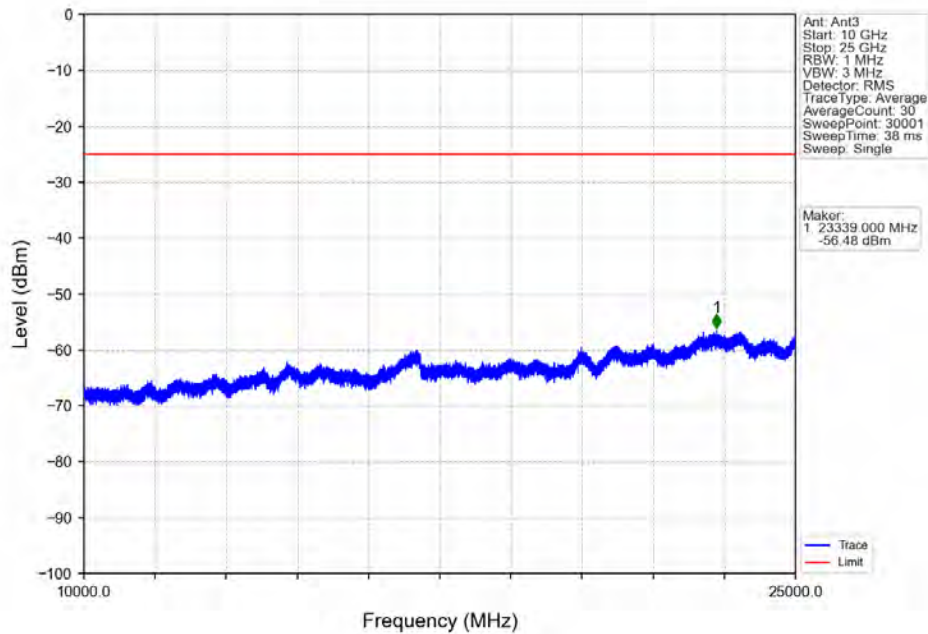


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Band7\_15MHz\_64QAM\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



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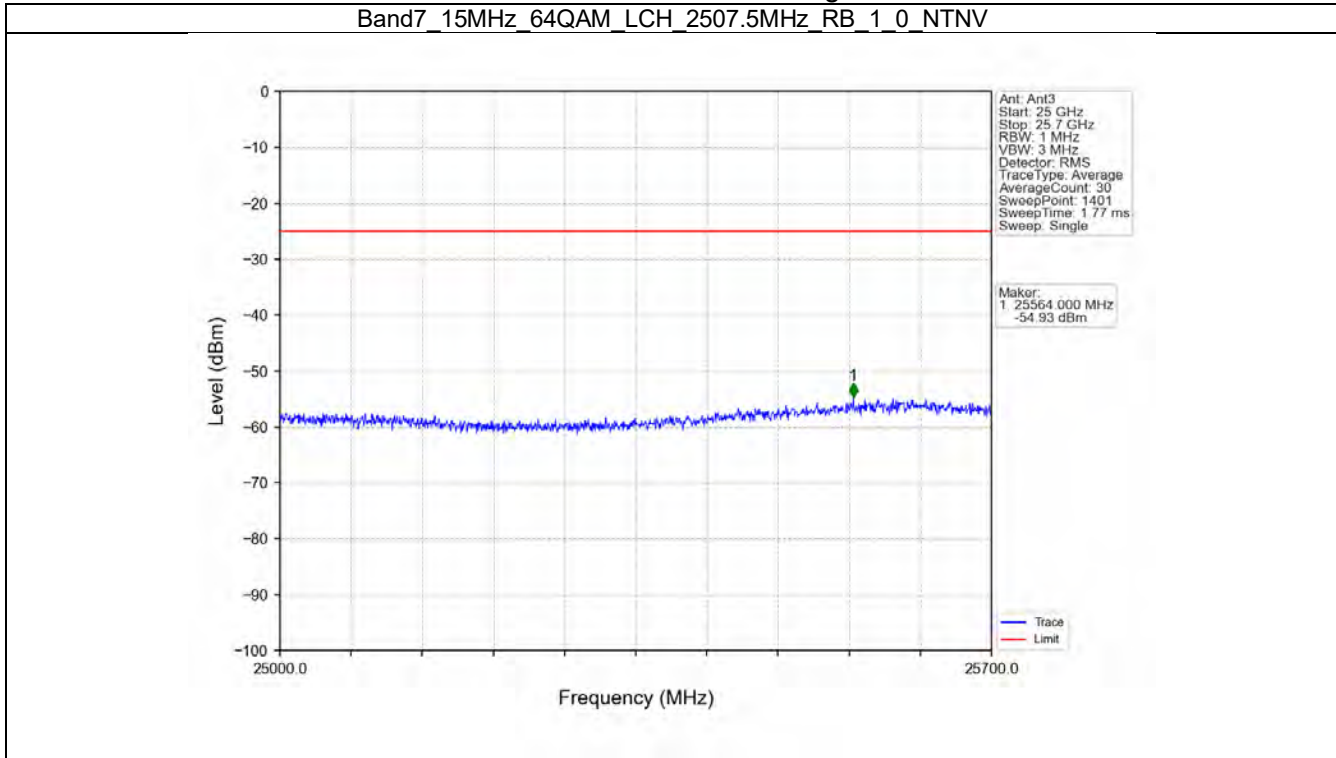
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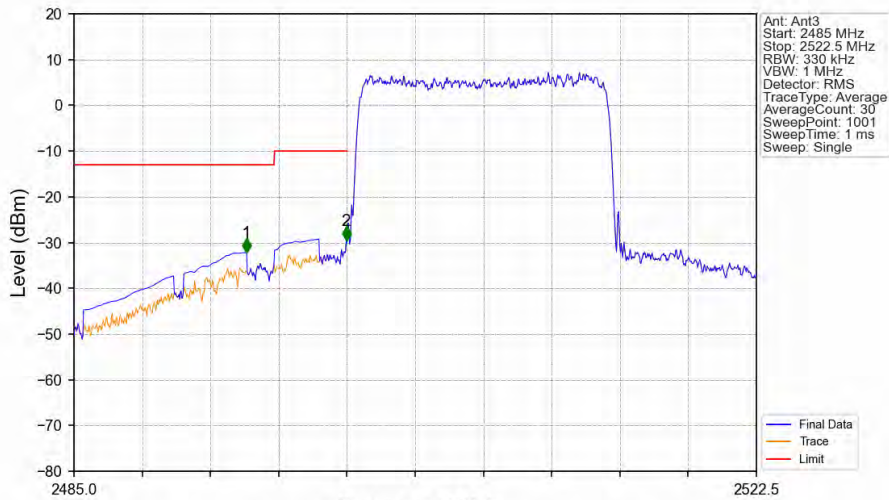


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2494.488	-32.23	-13	Pass
2499	2500	0.33	/	2	2499.963	-29.54	-10	Pass
2500	2522.5	0.33	/	/	/	/	/	/



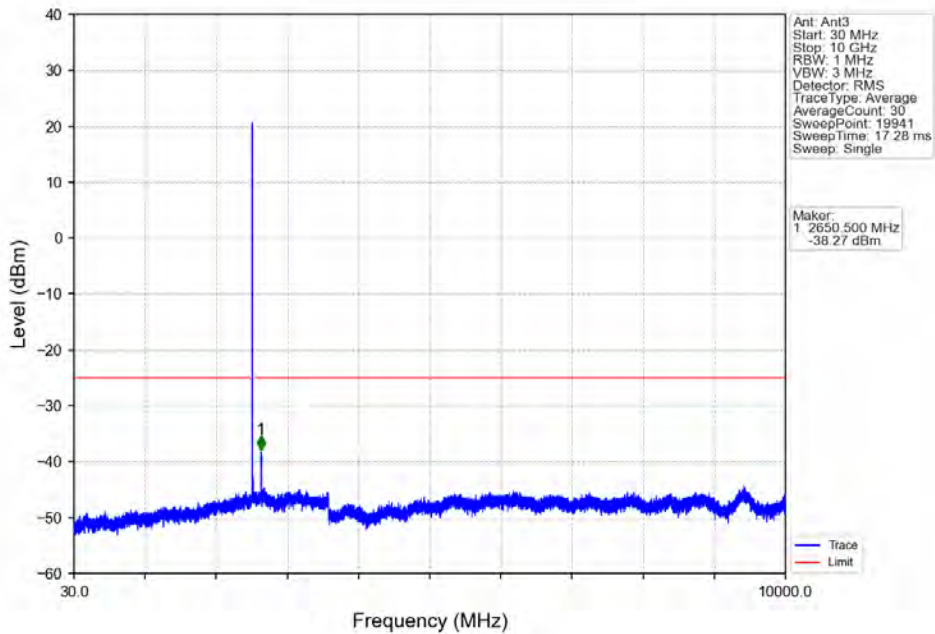
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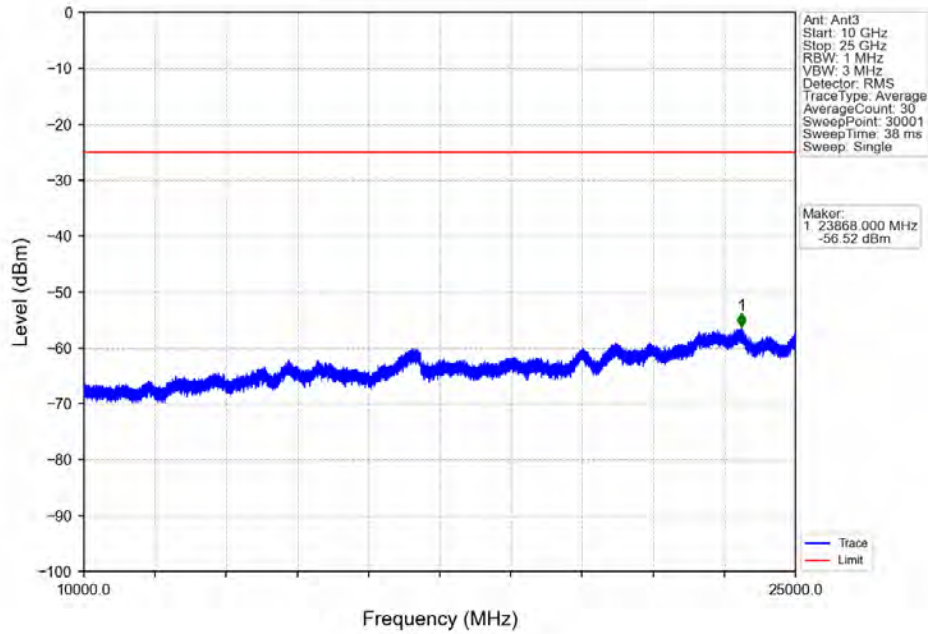


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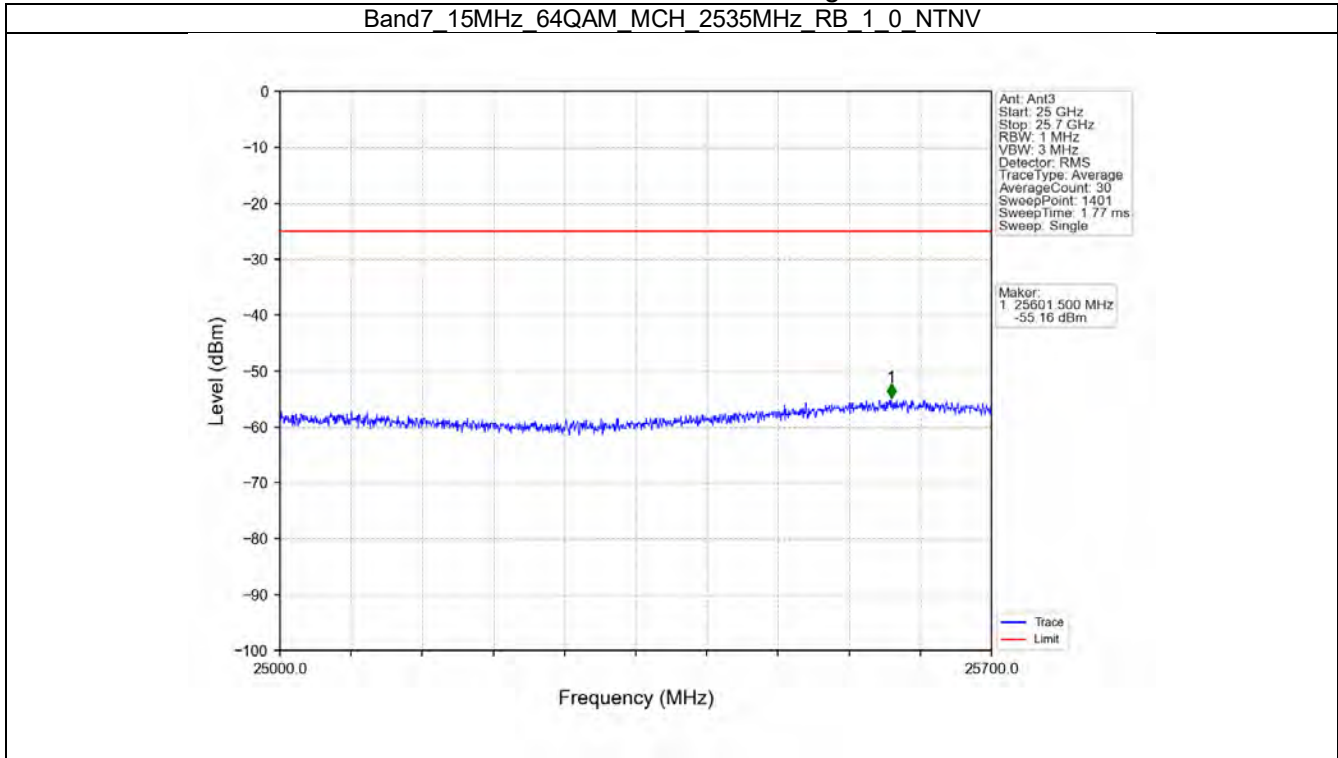
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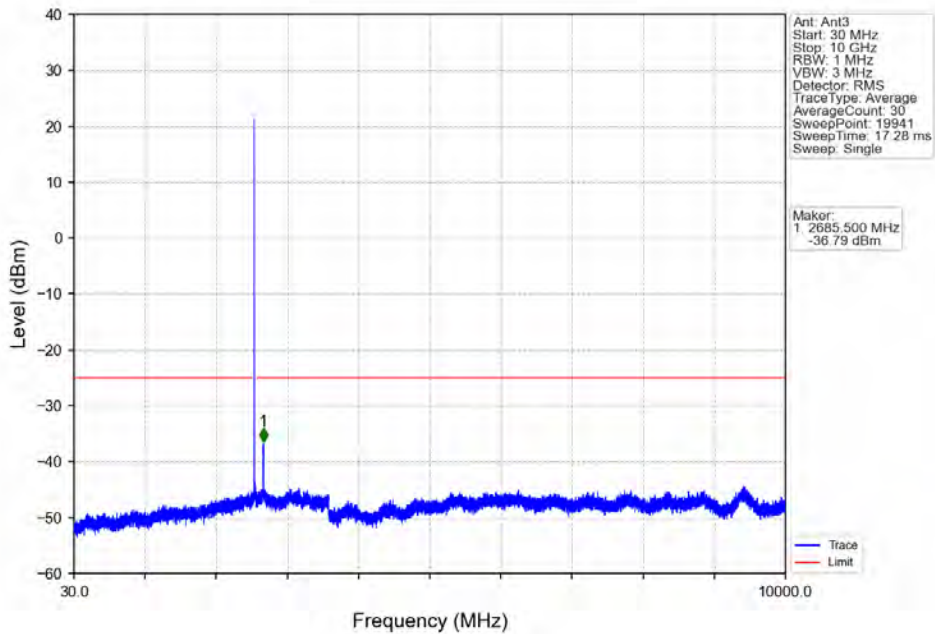
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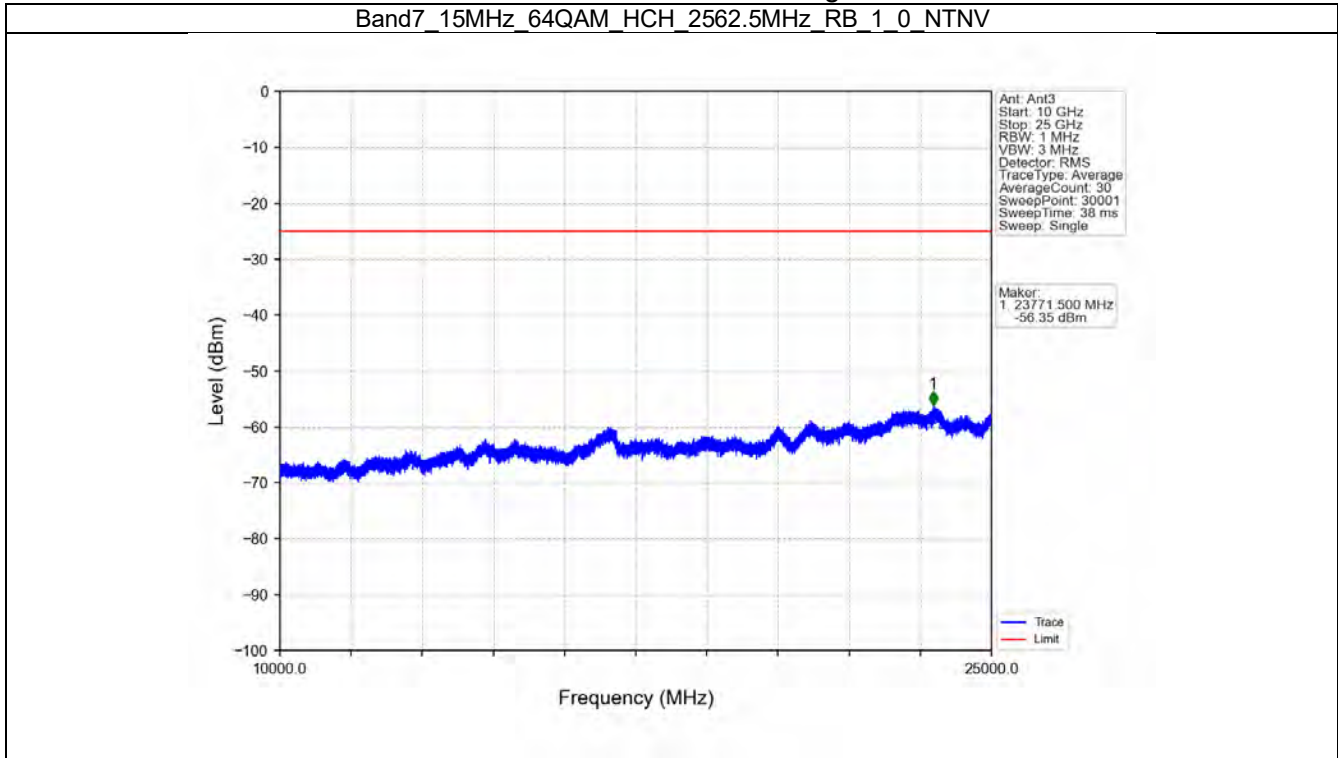


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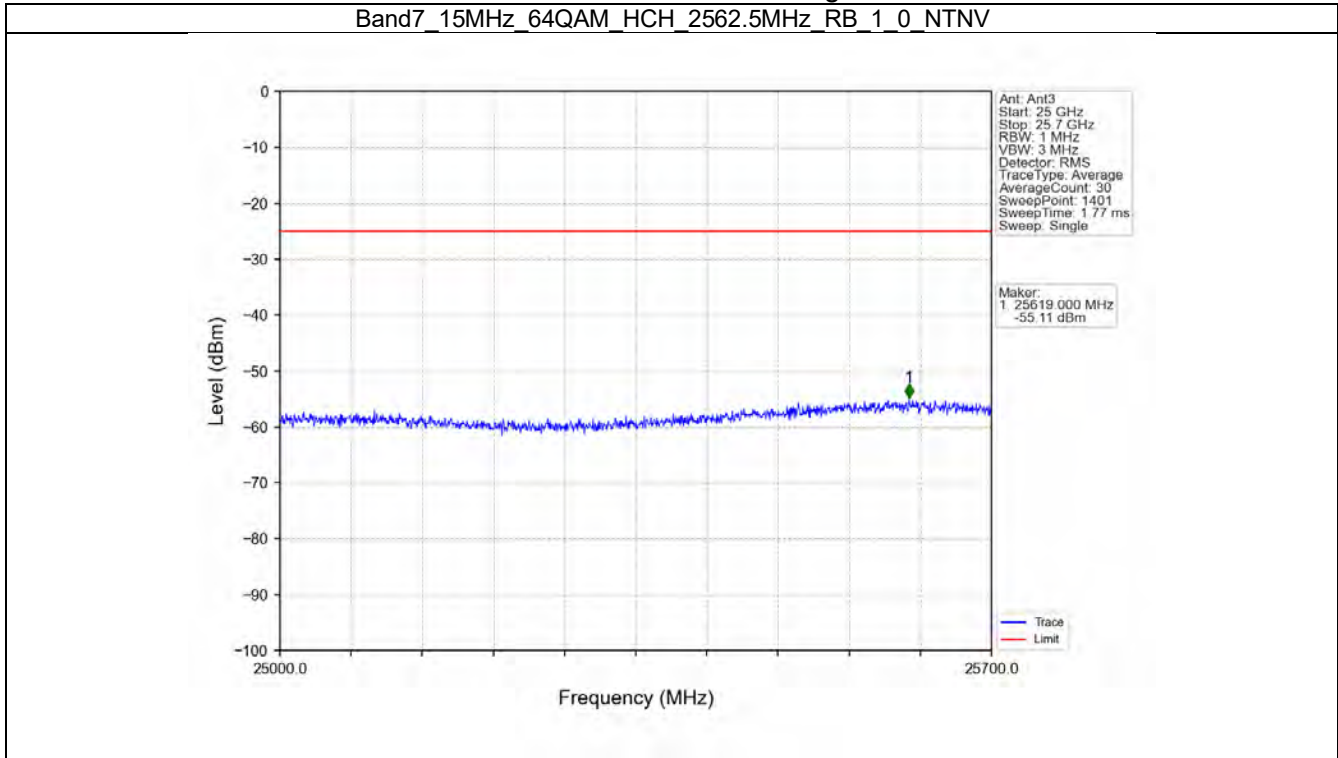


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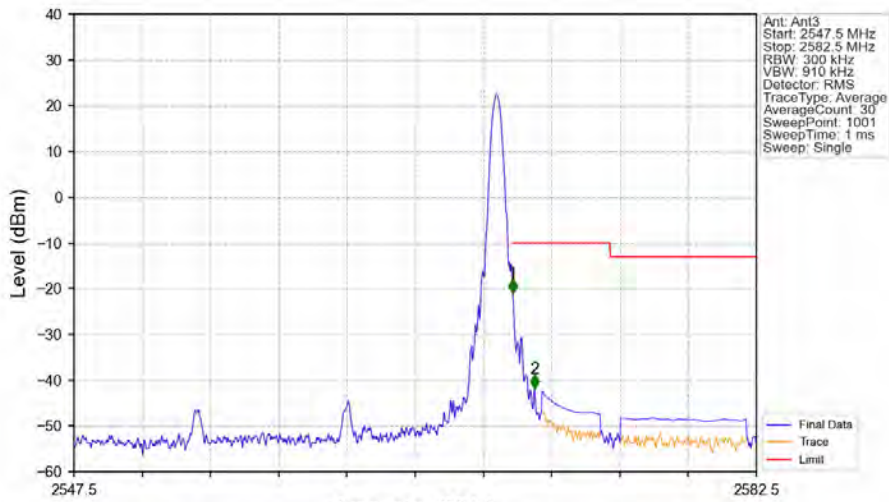
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Band7 15MHz\_64QAM\_HCH\_2562.5MHz RB 1 74 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.005	-21.01	-10	Pass
2571	2582.5	1	CHP	2	2571.125	-41.88	-10	Pass



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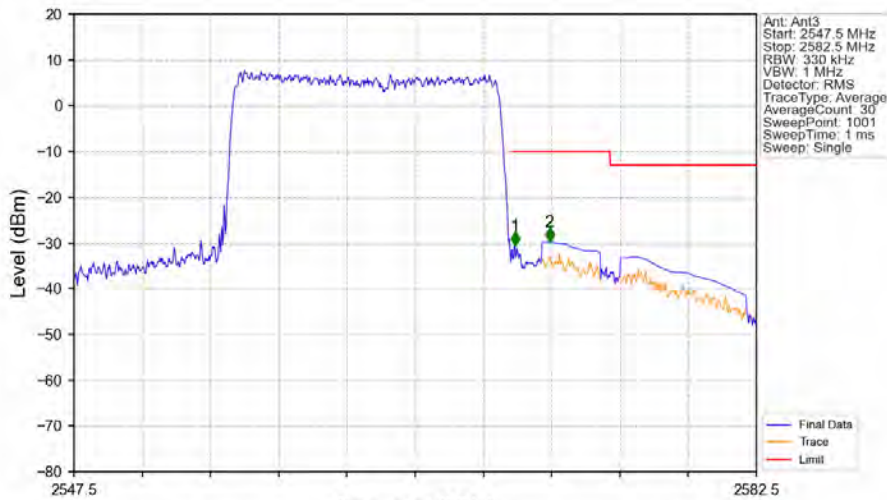


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Band7 15MHz\_64QAM\_HCH\_2562.5MHz RB 75\_0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.33	/	/	/	/	/	/
2570	2571	0.33	/	1	2570.110	-30.59	-10	Pass
2571	2582.5	1	CHP	2	2571.895	-29.81	-10	Pass



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5.4 B7\_20MHz

5.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

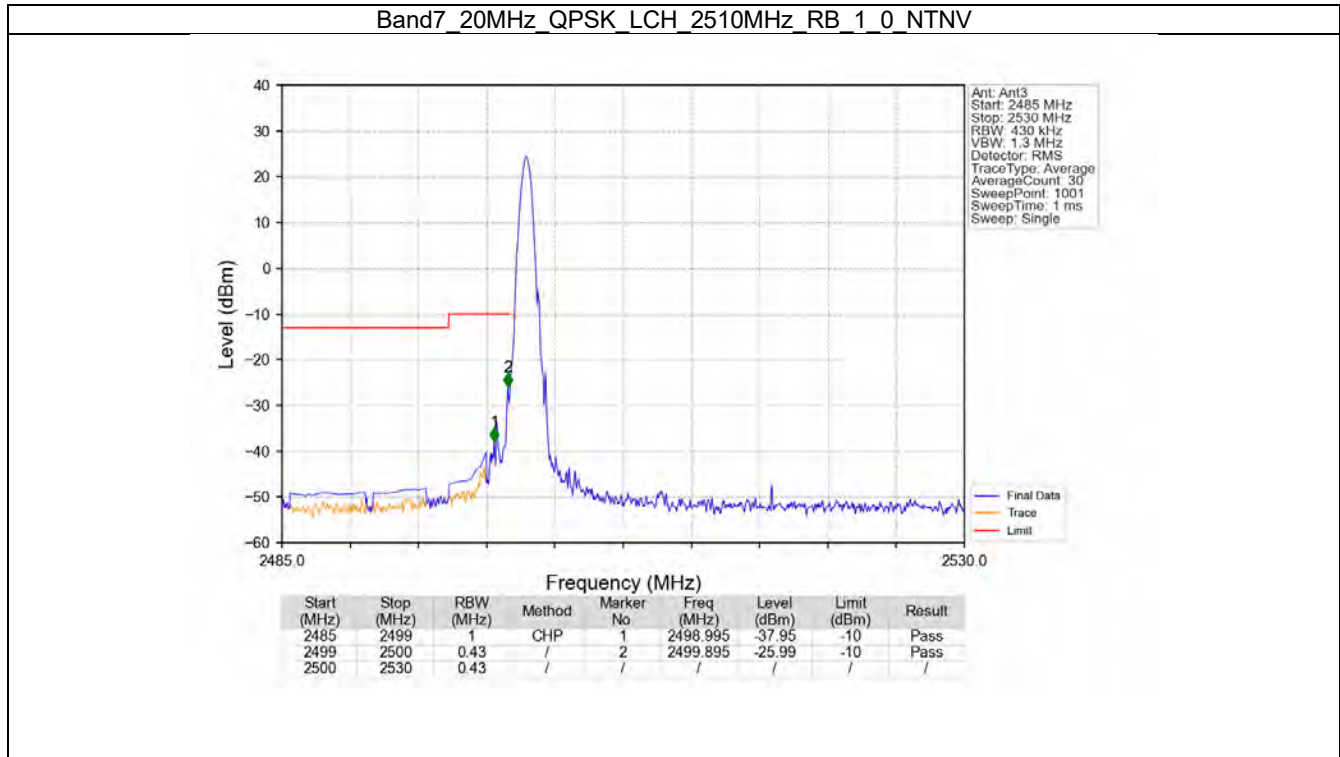


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5.4.2 Test Graph

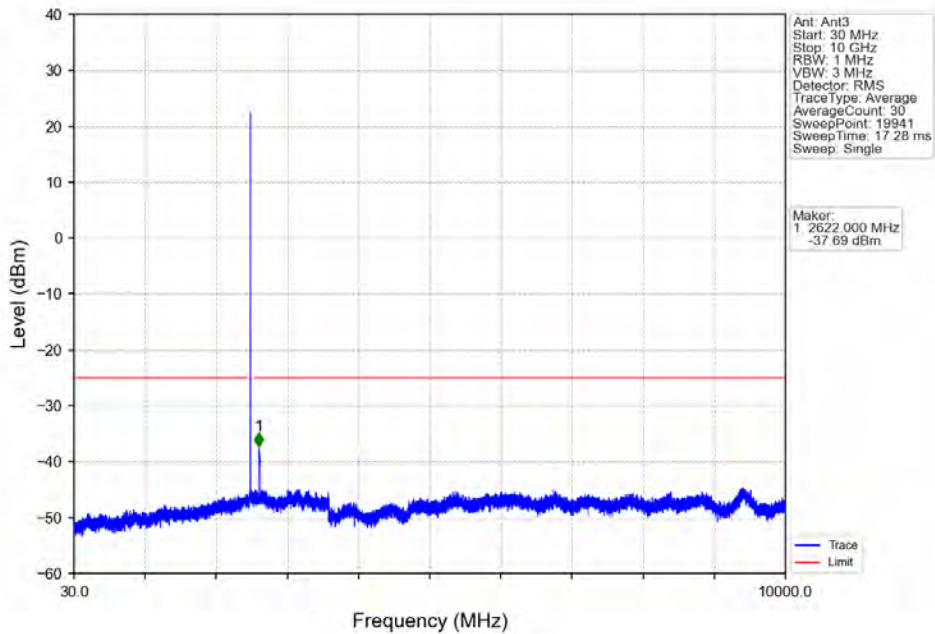


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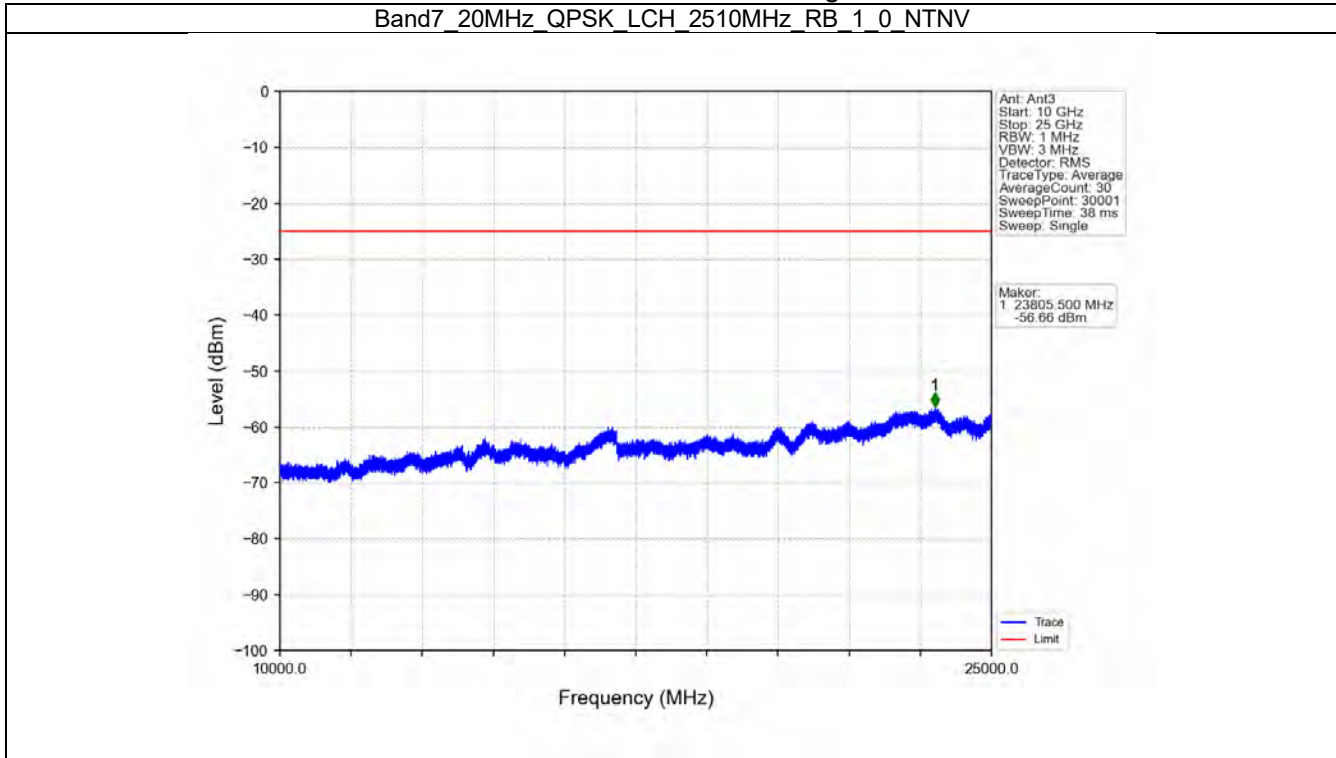
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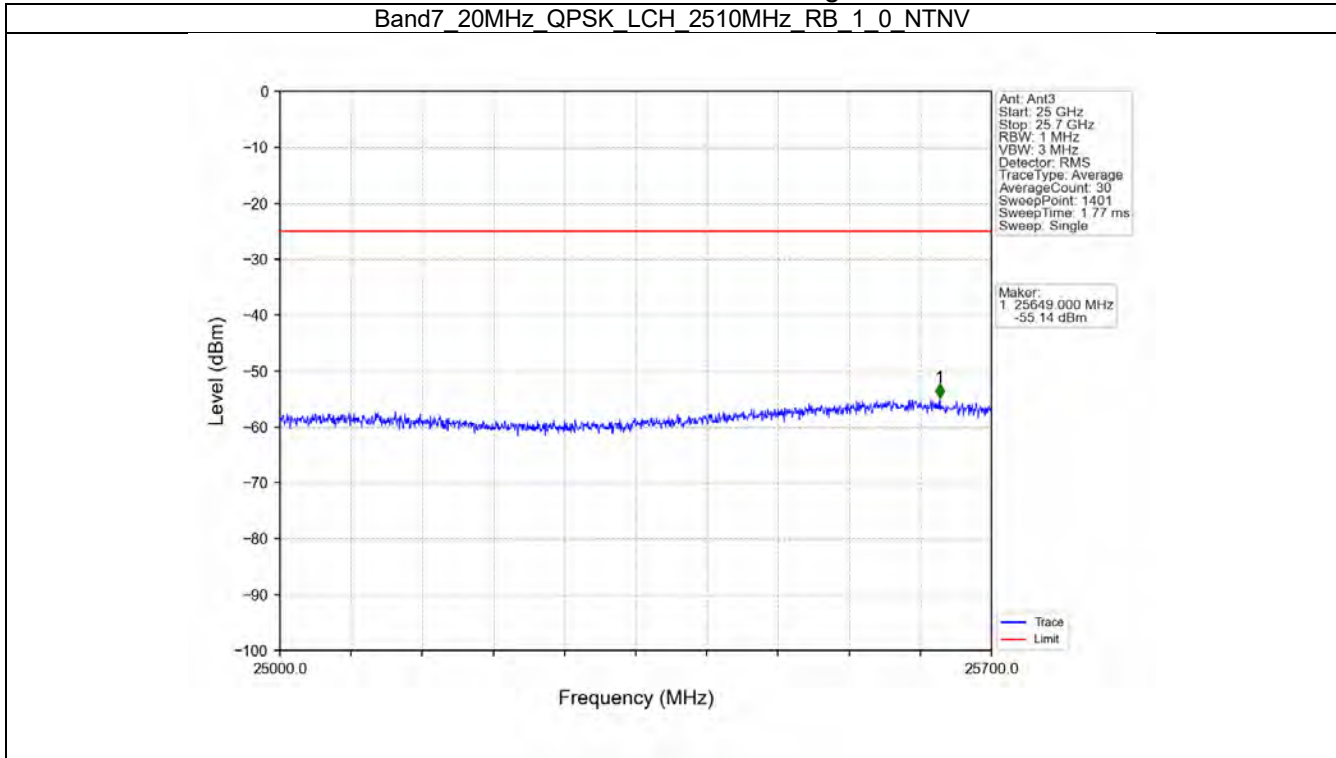
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Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_1\_0\_NTNV



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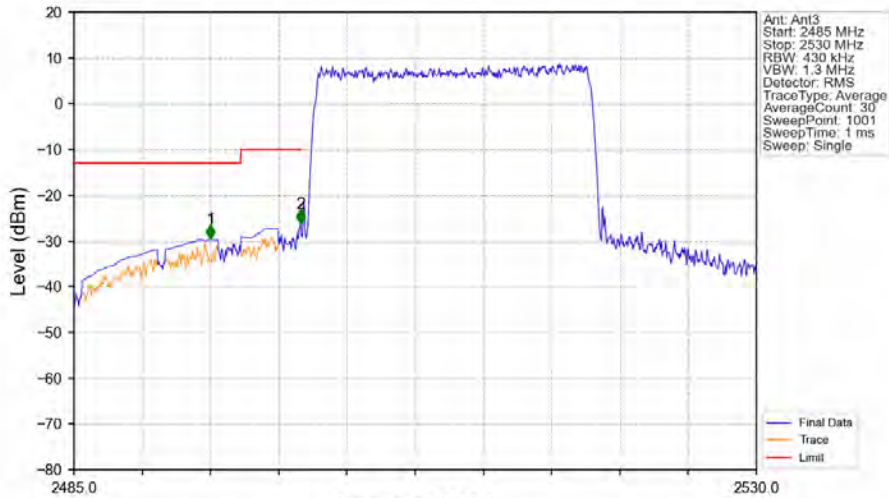
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Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	0.43	CHP	1	2484.000	-29.58	-13	Pass
2499	2500	0.43	/	2	2499.940	-26.17	-10	Pass
2500	2530	0.43	/	/	/	/	/	/

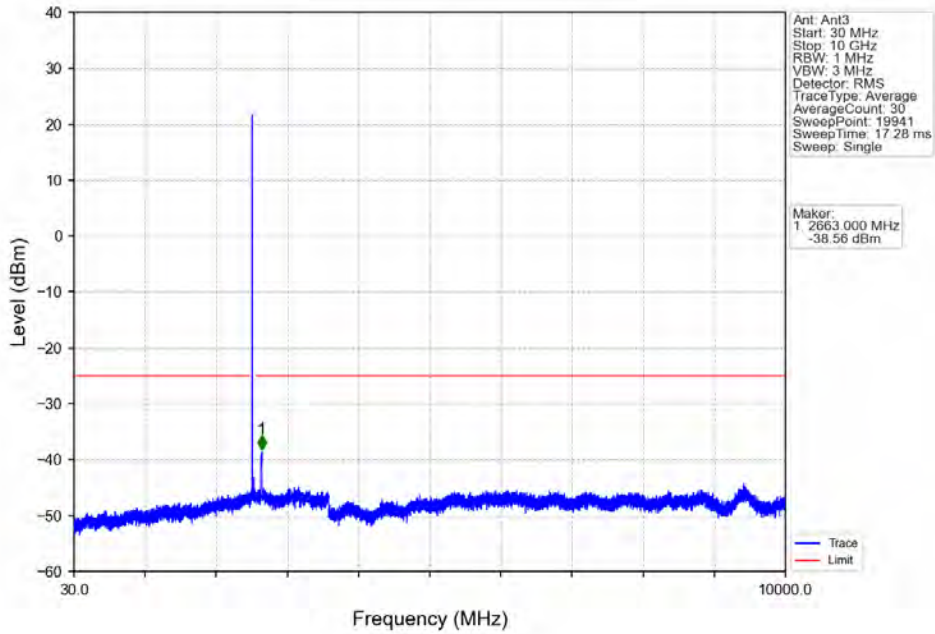


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Band7\_20MHz QPSK MCH\_2535MHz\_RB\_1\_0\_NTNV



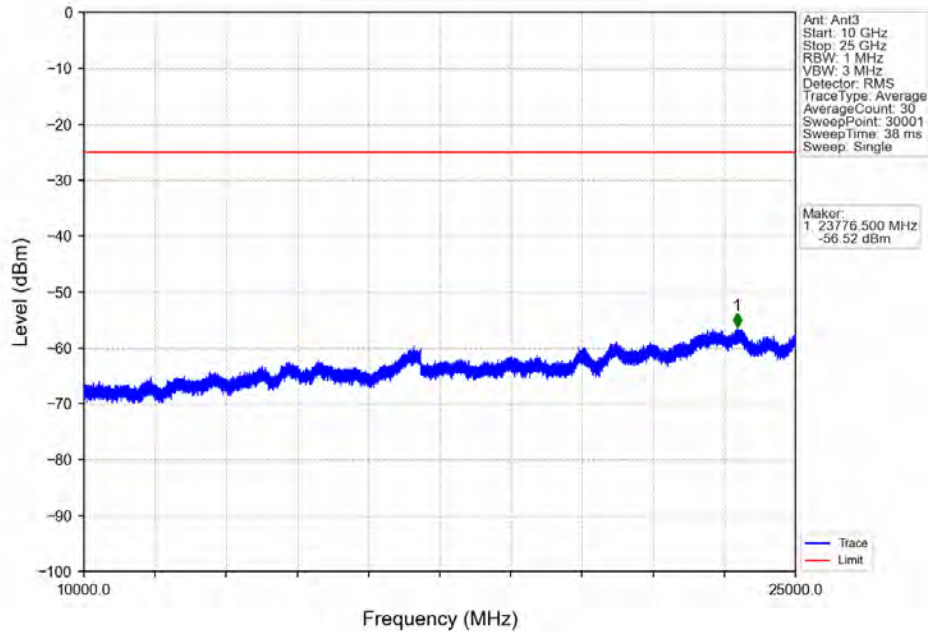
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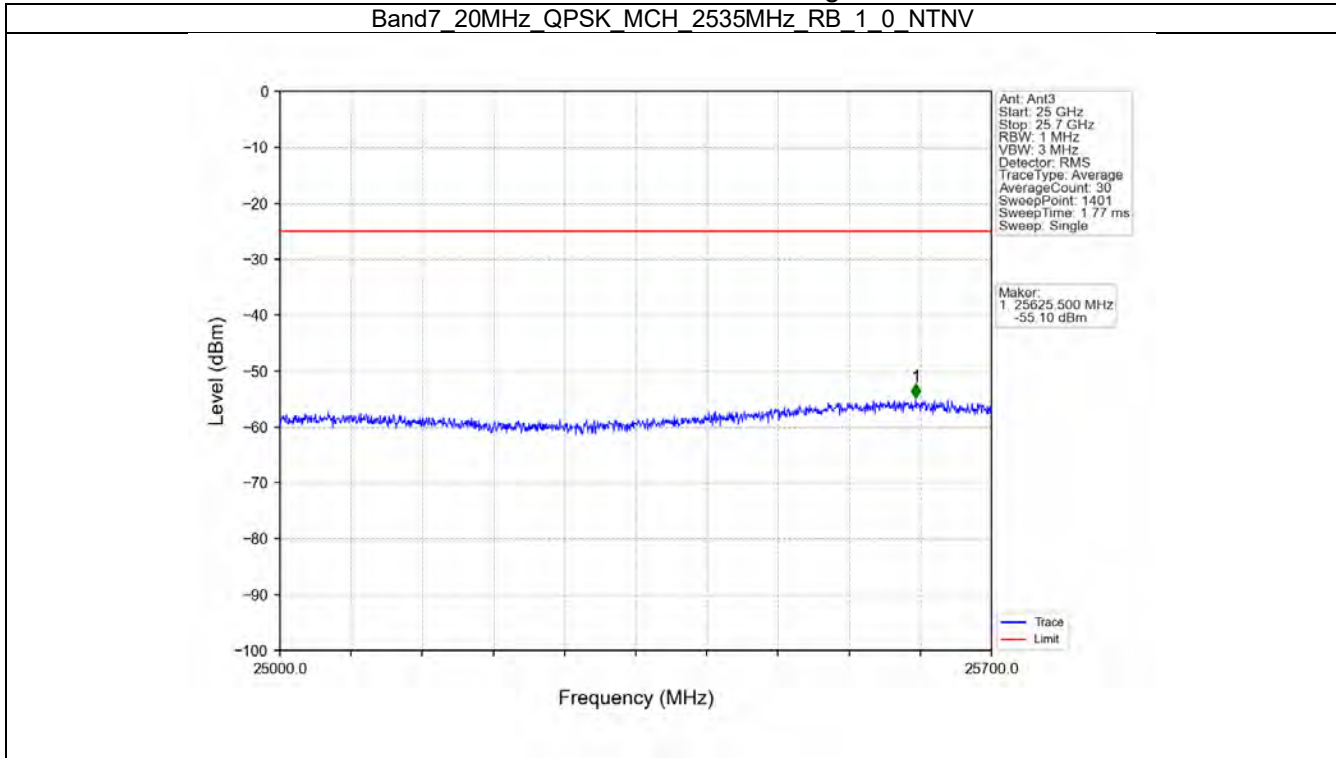


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Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV

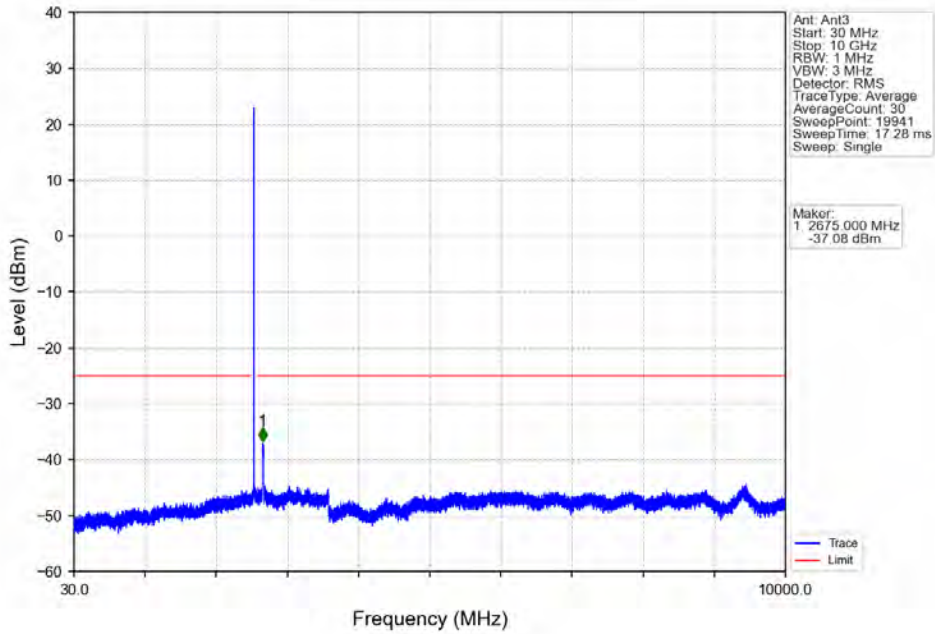


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Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_1\_0\_NTNV

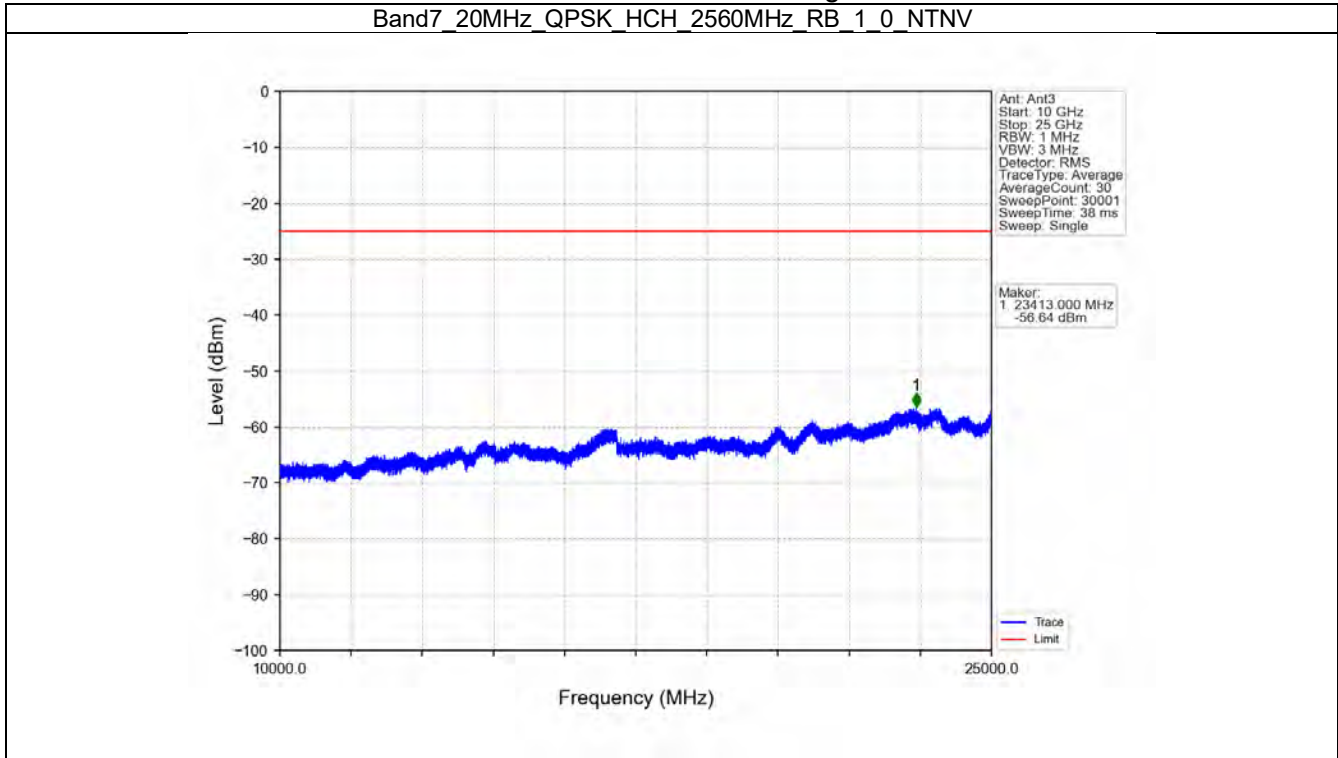


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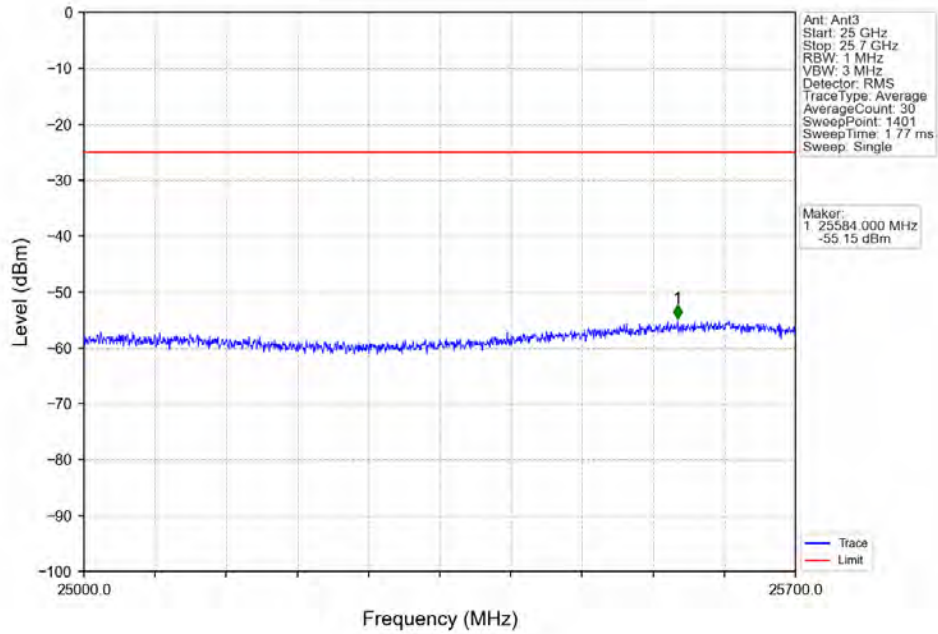
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Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_1\_0\_NTNV



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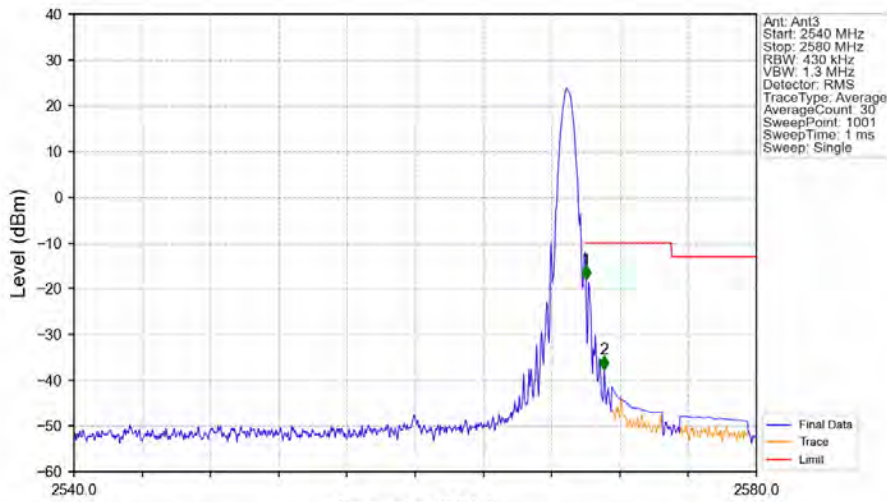
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Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_1\_99\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	1	2570.000	-18.00	-10	Pass
2571	2580	1	CHP	2	2571.060	-37.71	-10	Pass



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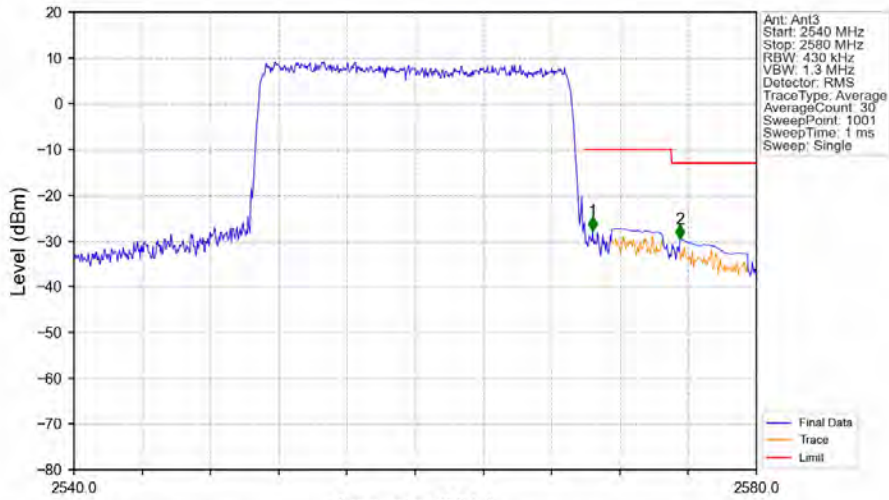
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Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.400	-27.86	-10	Pass
2571	2580	1	CHP	2	2575.520	-29.53	-13	Pass



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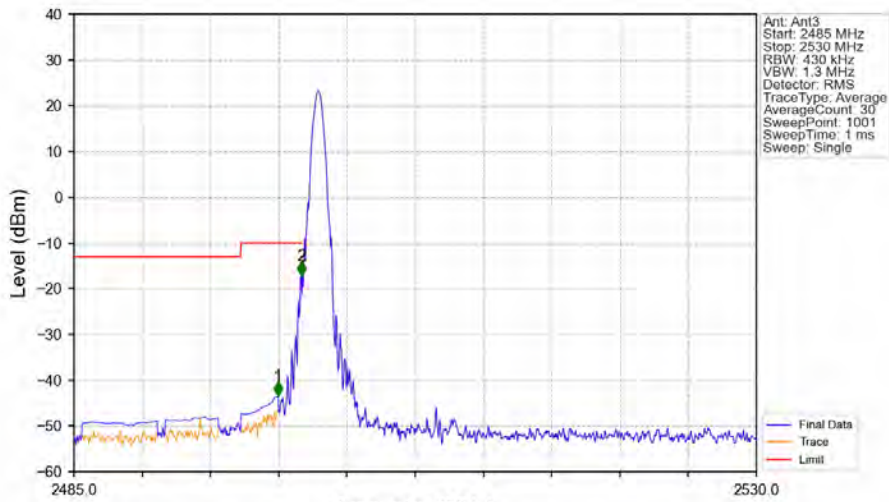
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Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2488.455	-43.50	-10	Pass
2499	2500	0.43	/	2	2499.985	-17.10	-10	Pass
2500	2530	0.43	/	/	/	/	/	/



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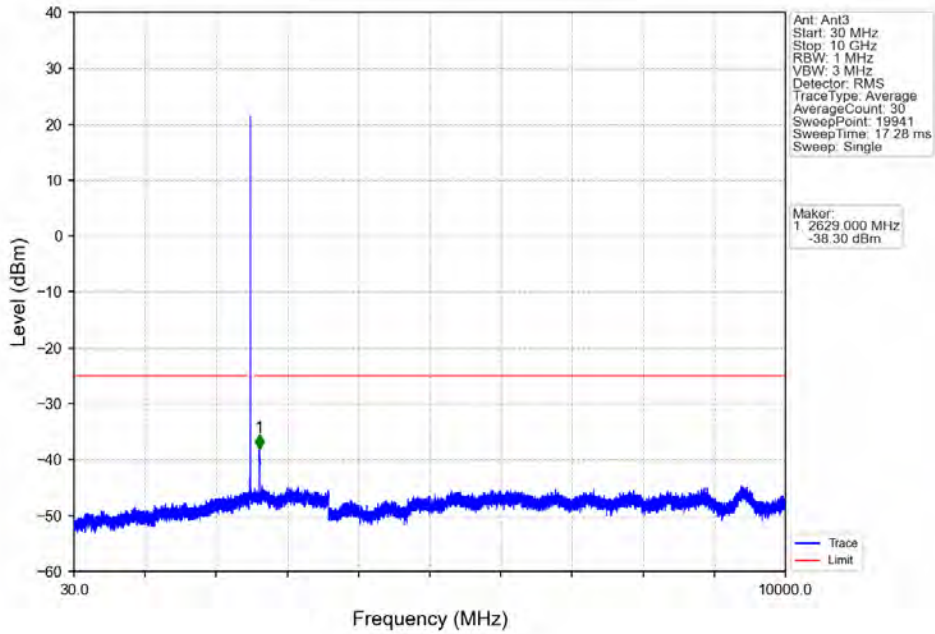


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Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_1\_0\_NTNV



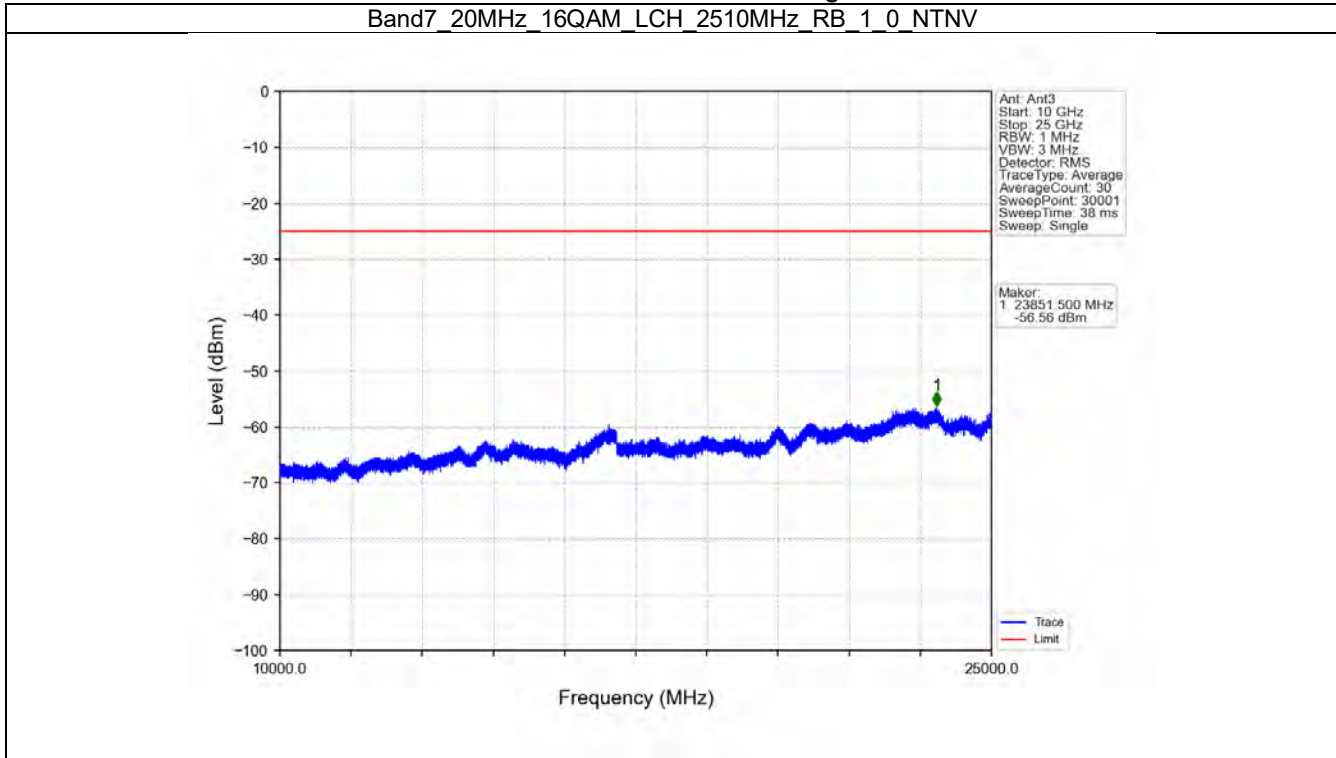
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Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_1\_0\_NTNV



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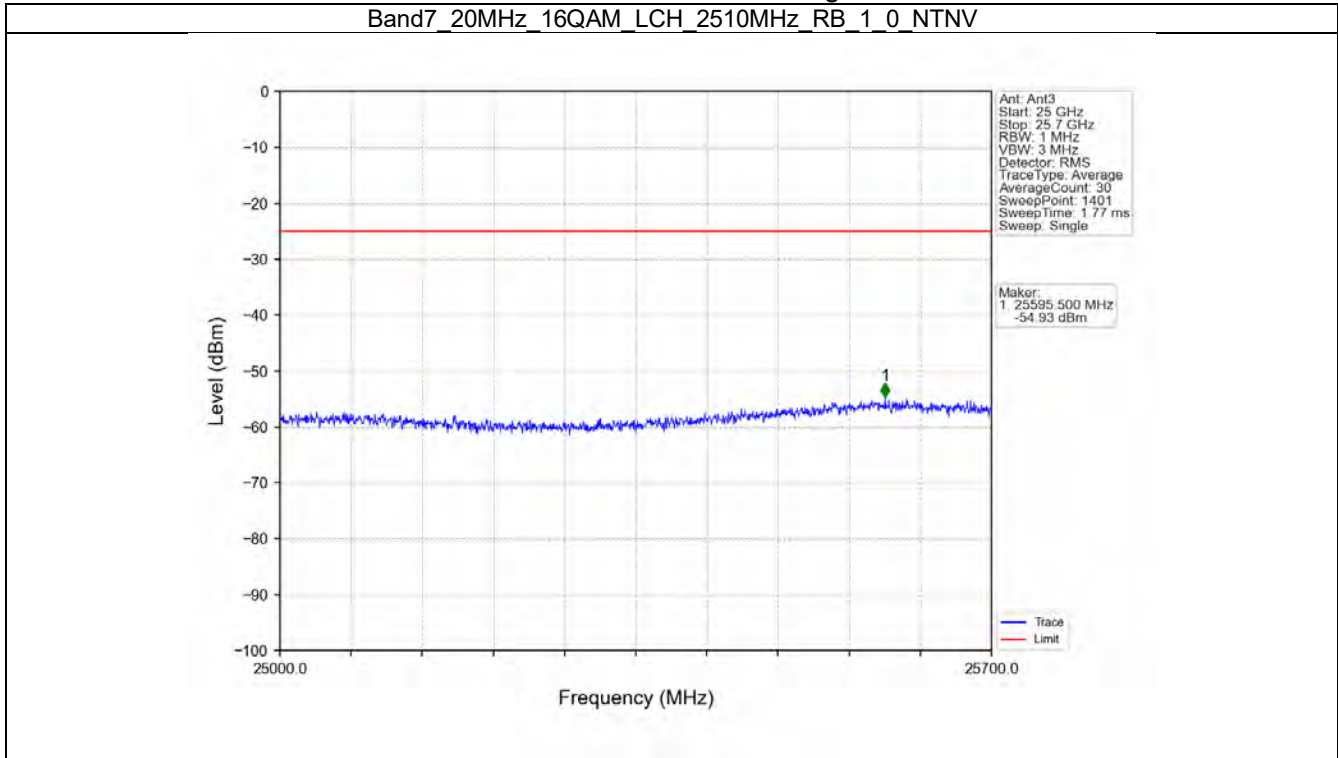
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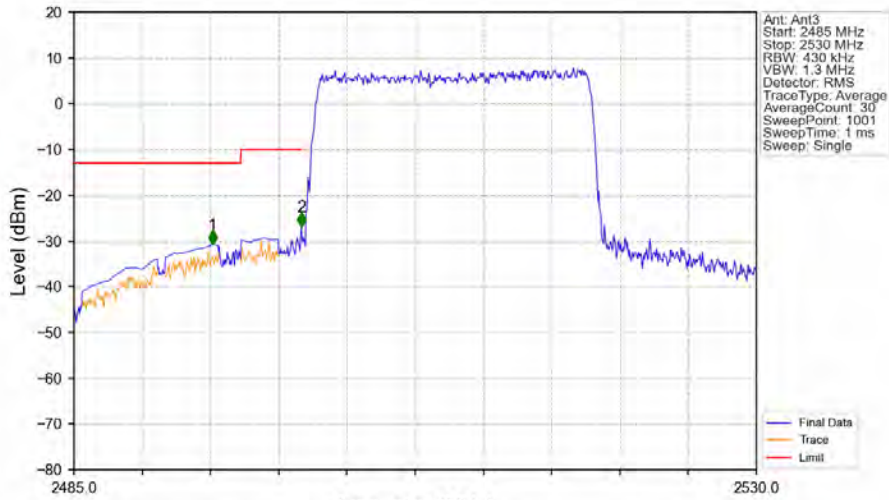
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Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2484.135	-30.75	-13	Pass
2499	2500	0.43	/	2	2499.985	-26.90	-10	Pass
2500	2530	0.43	/	/	/	/	/	/



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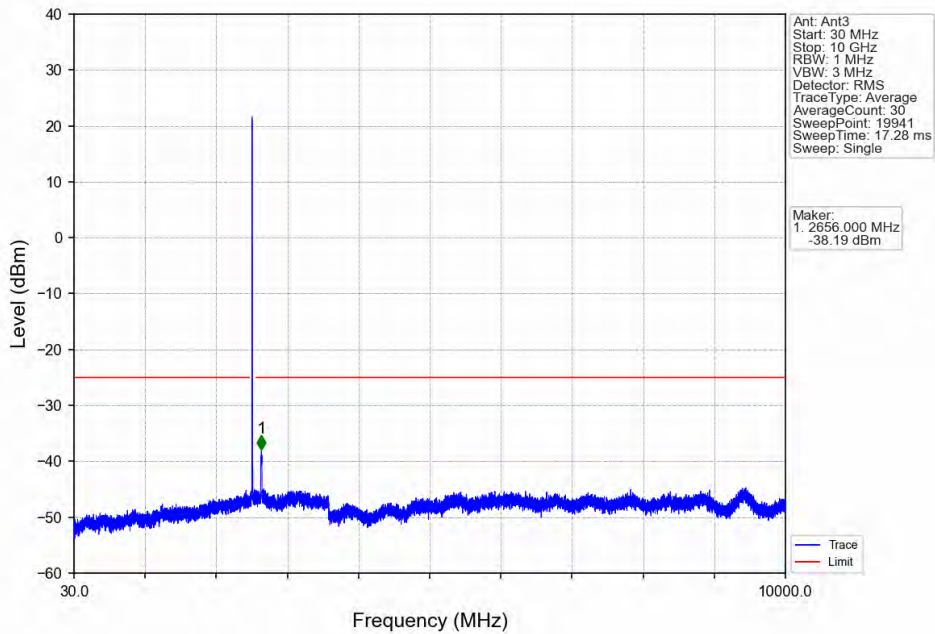
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Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



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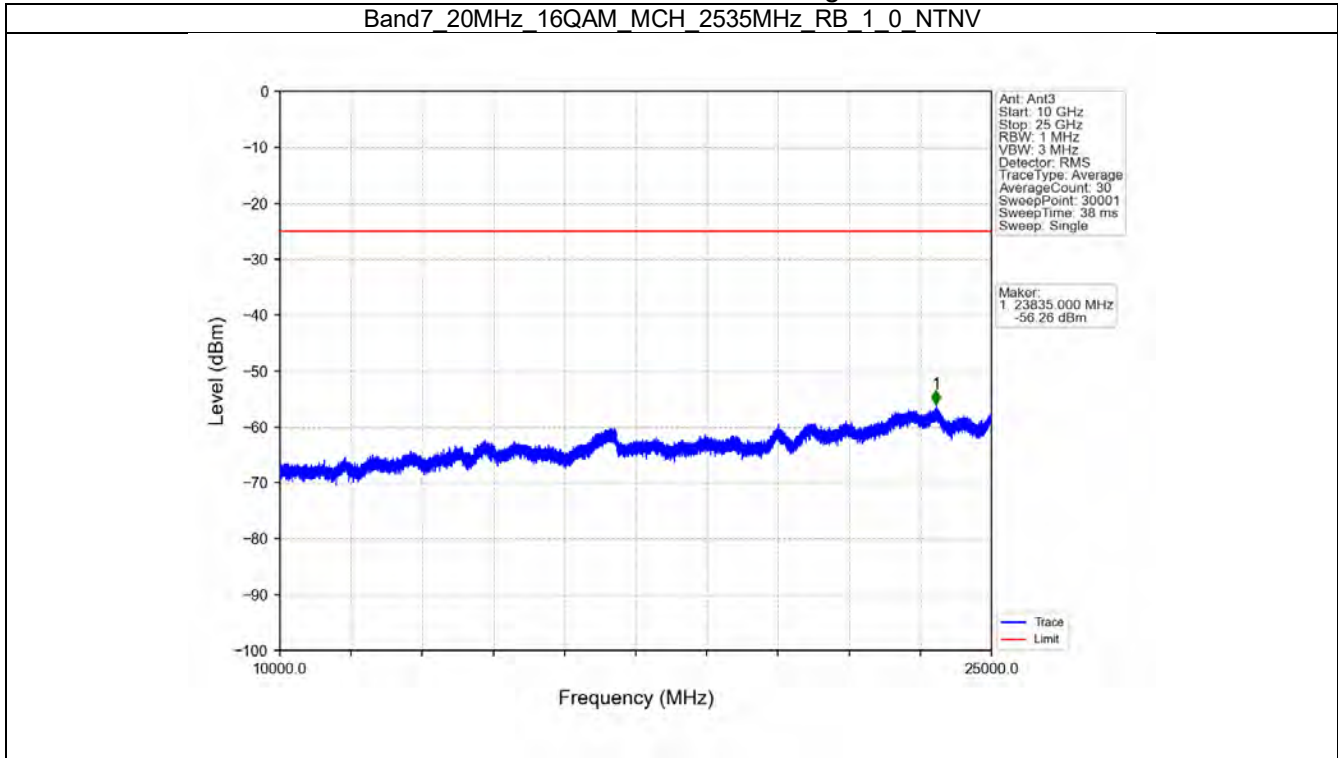
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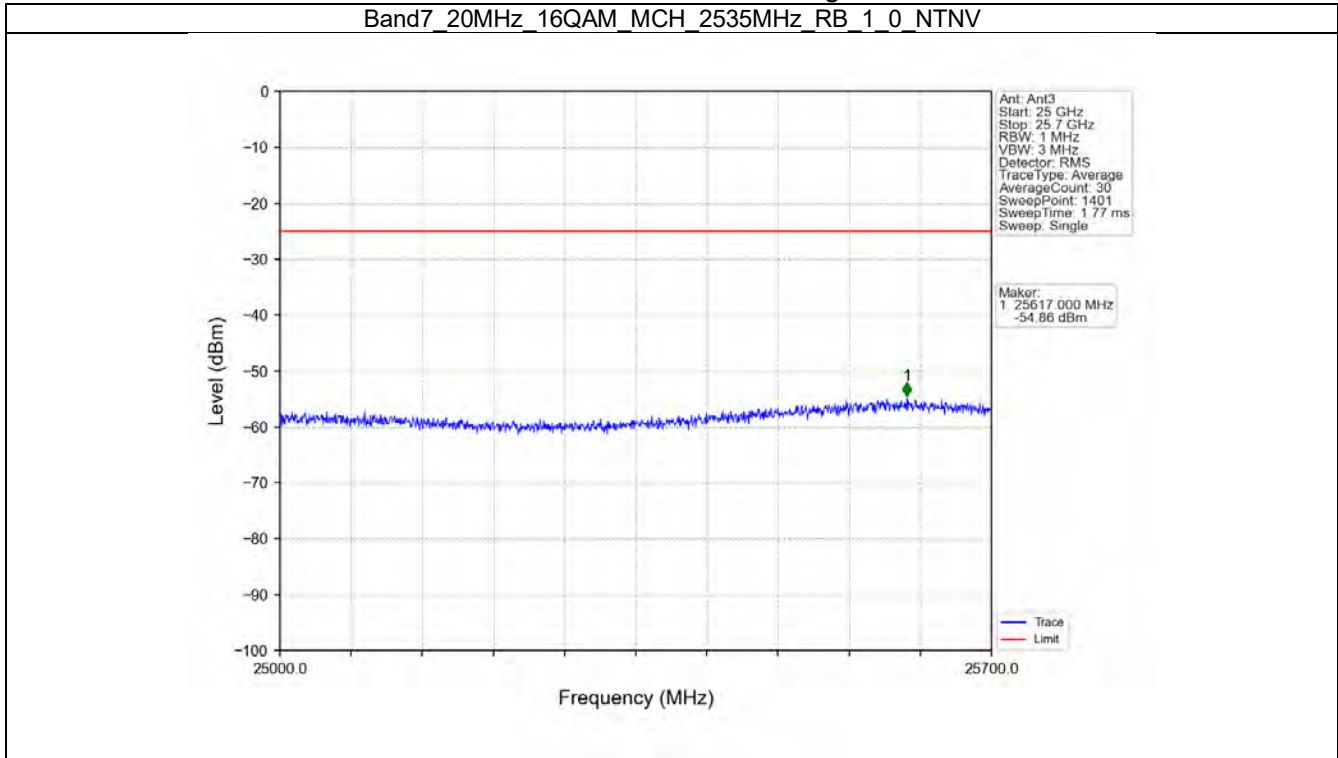
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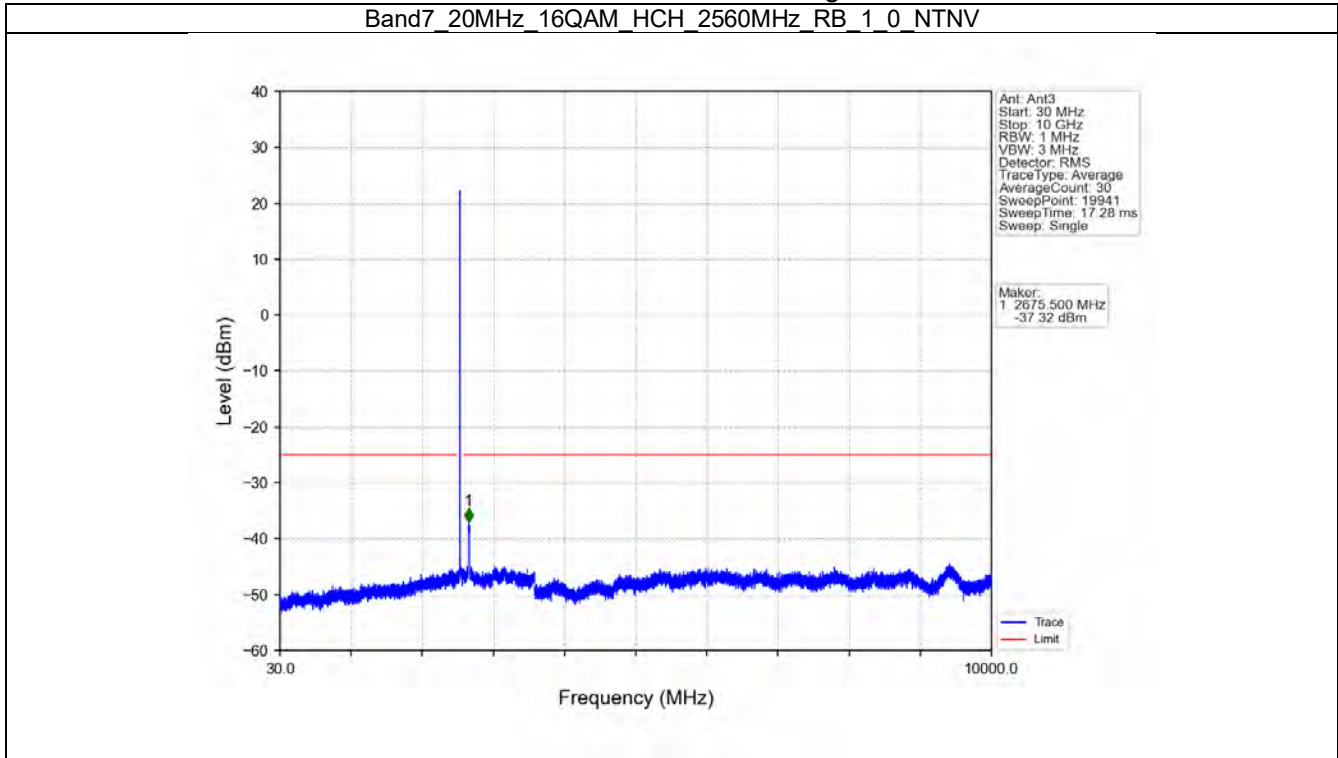
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Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_1\_0\_NTNV



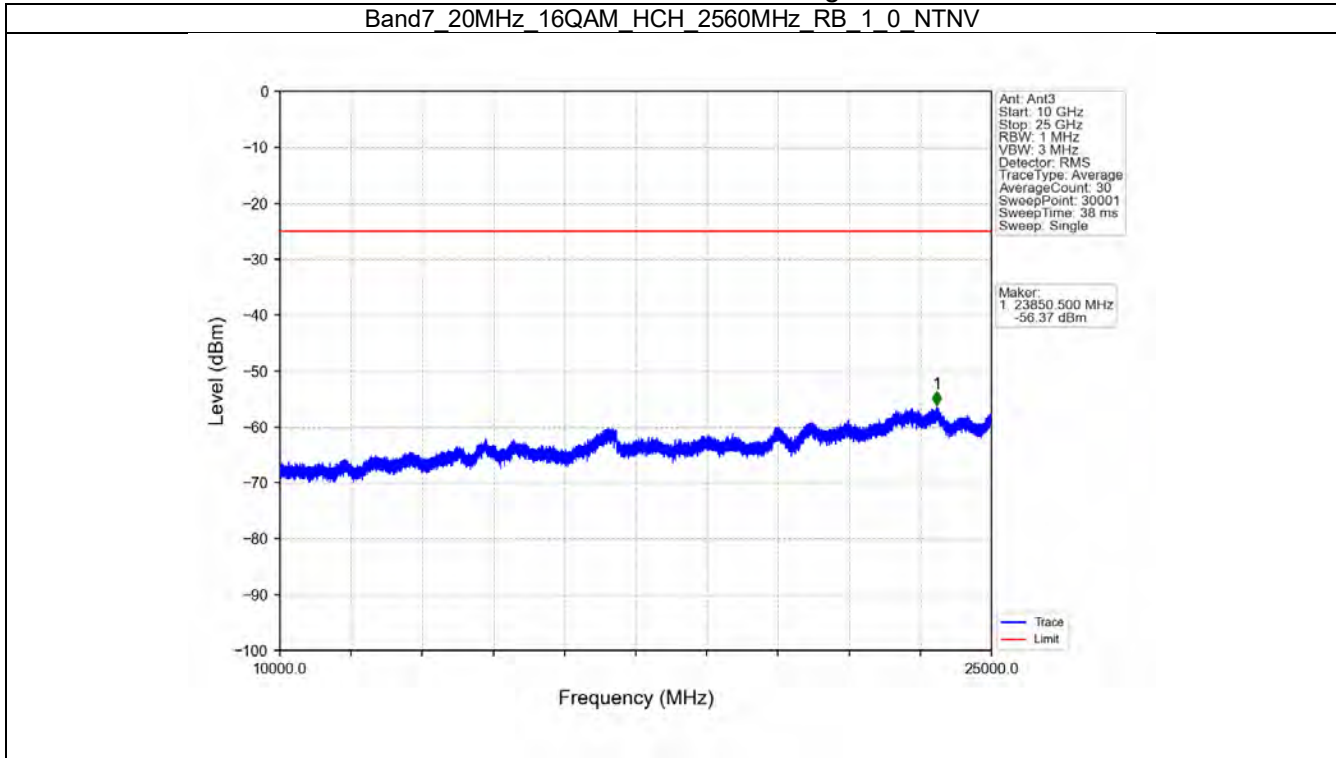
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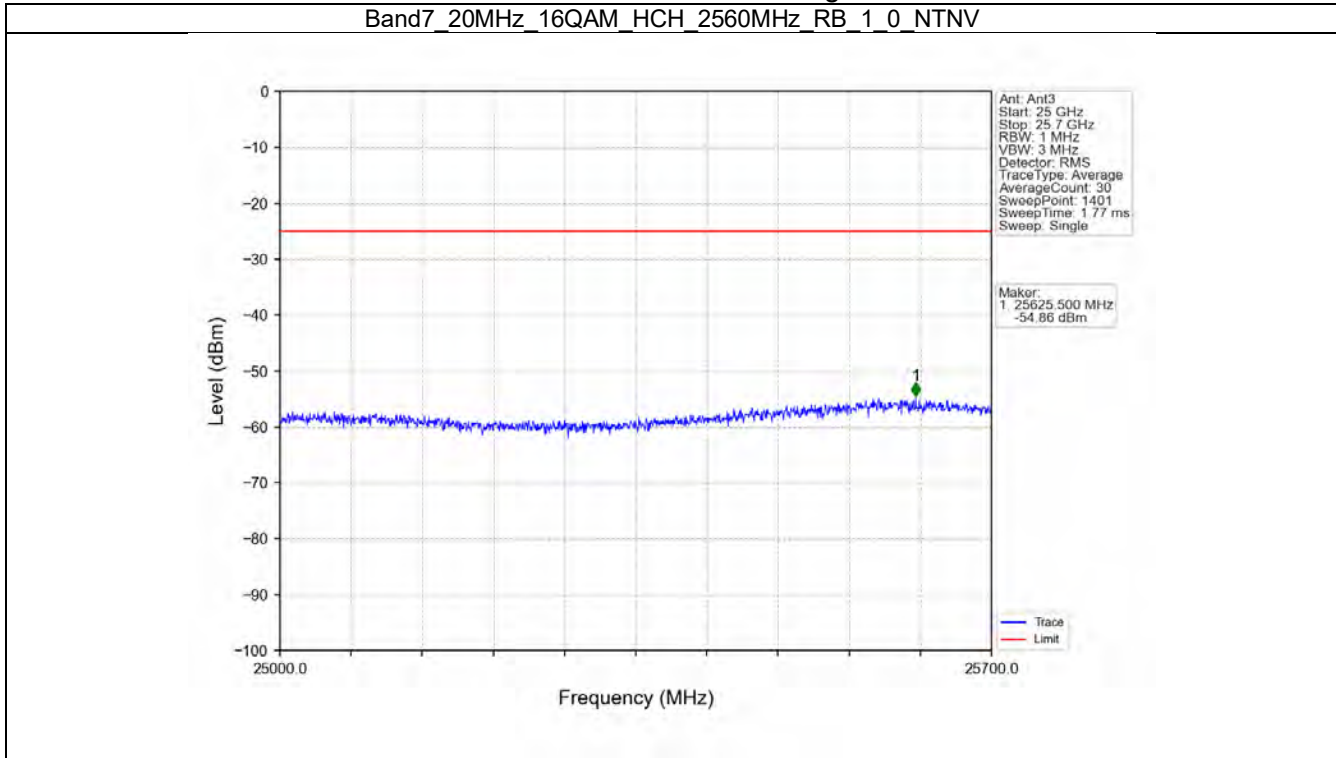


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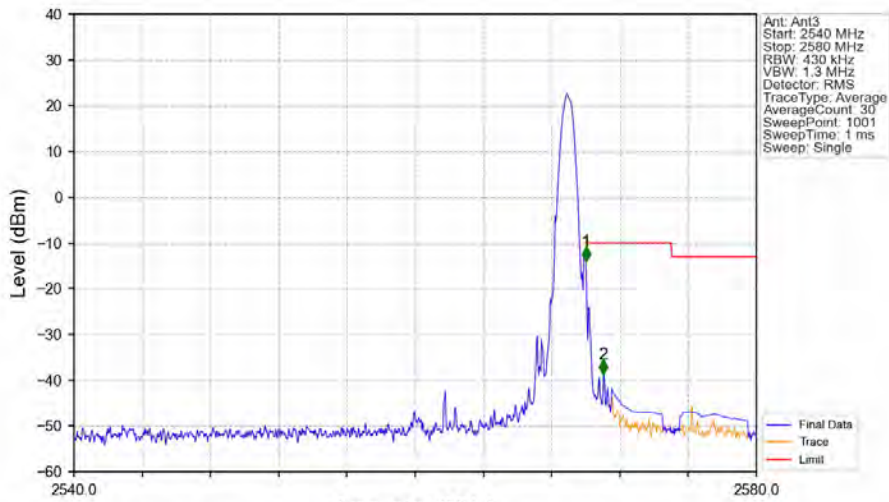
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Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_1\_99\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.000	-13.97	-10	Pass
2571	2580	1	CHP	2	2571.040	-38.65	-10	Pass



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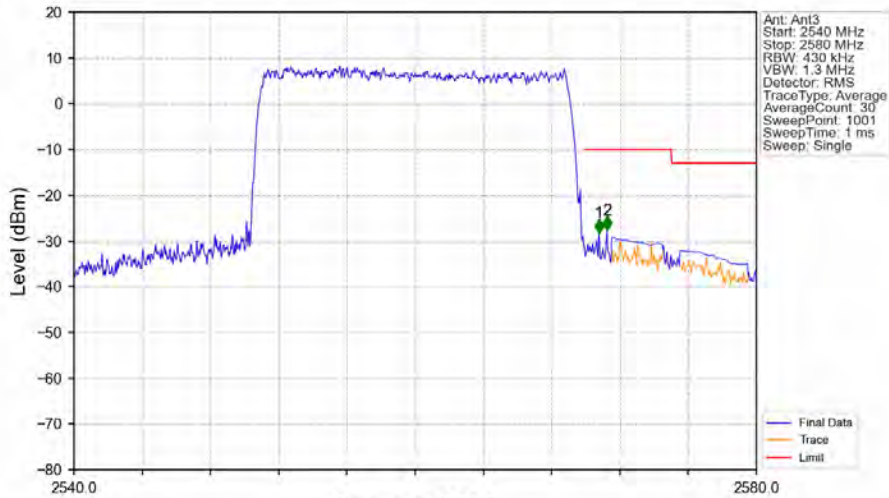
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Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.760	-28.24	-10	Pass
2571	2580	1	CHP	2	2571.240	-27.62	-10	Pass



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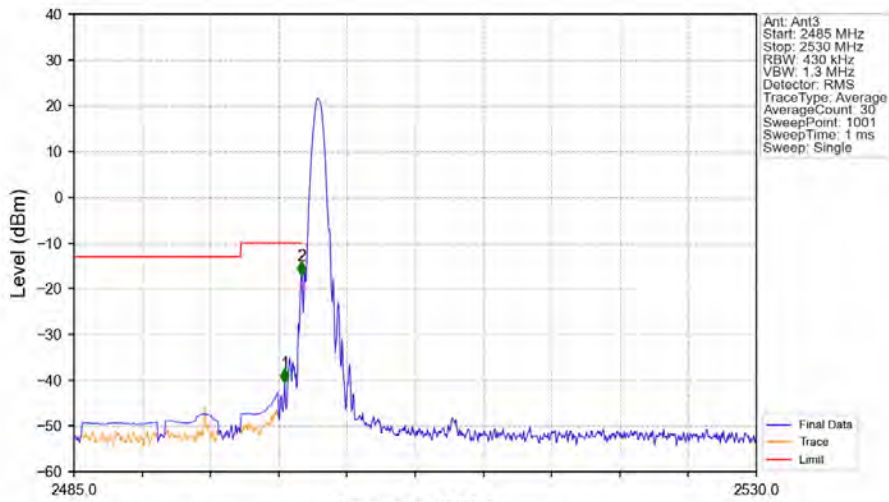


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Band7\_20MHz\_64QAM\_LCH\_2510MHz\_RB\_1\_0\_NTNV



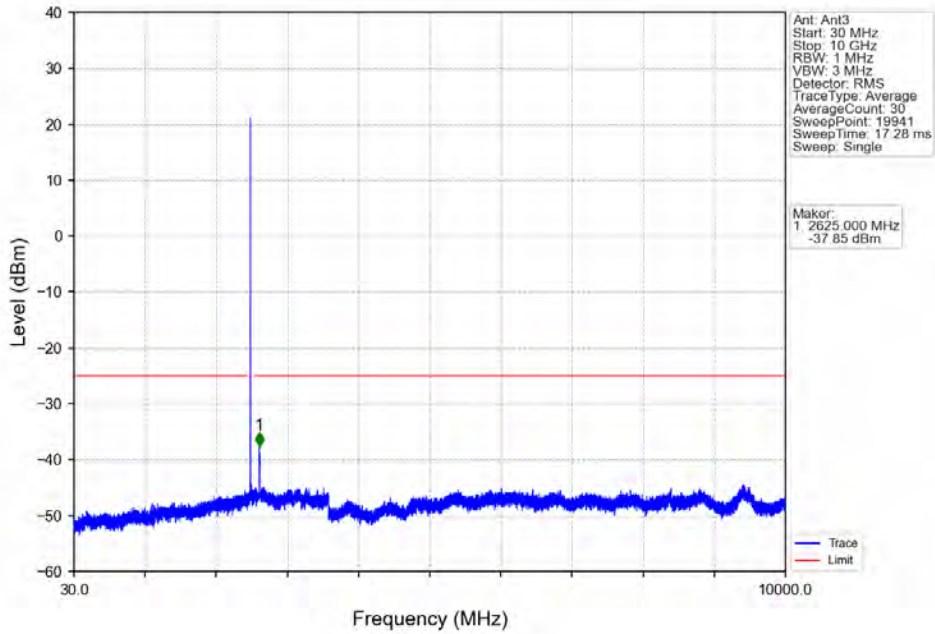
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	0.43	CHP	1	2498.905	-40.54	-10	Pass
2499	2500	0.43	/	2	2499.985	-17.13	-10	Pass
2500	2530	0.43	/	/	/	/	/	/



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Band7\_20MHz\_64QAM\_LCH\_2510MHz\_RB\_1\_0\_NTNV

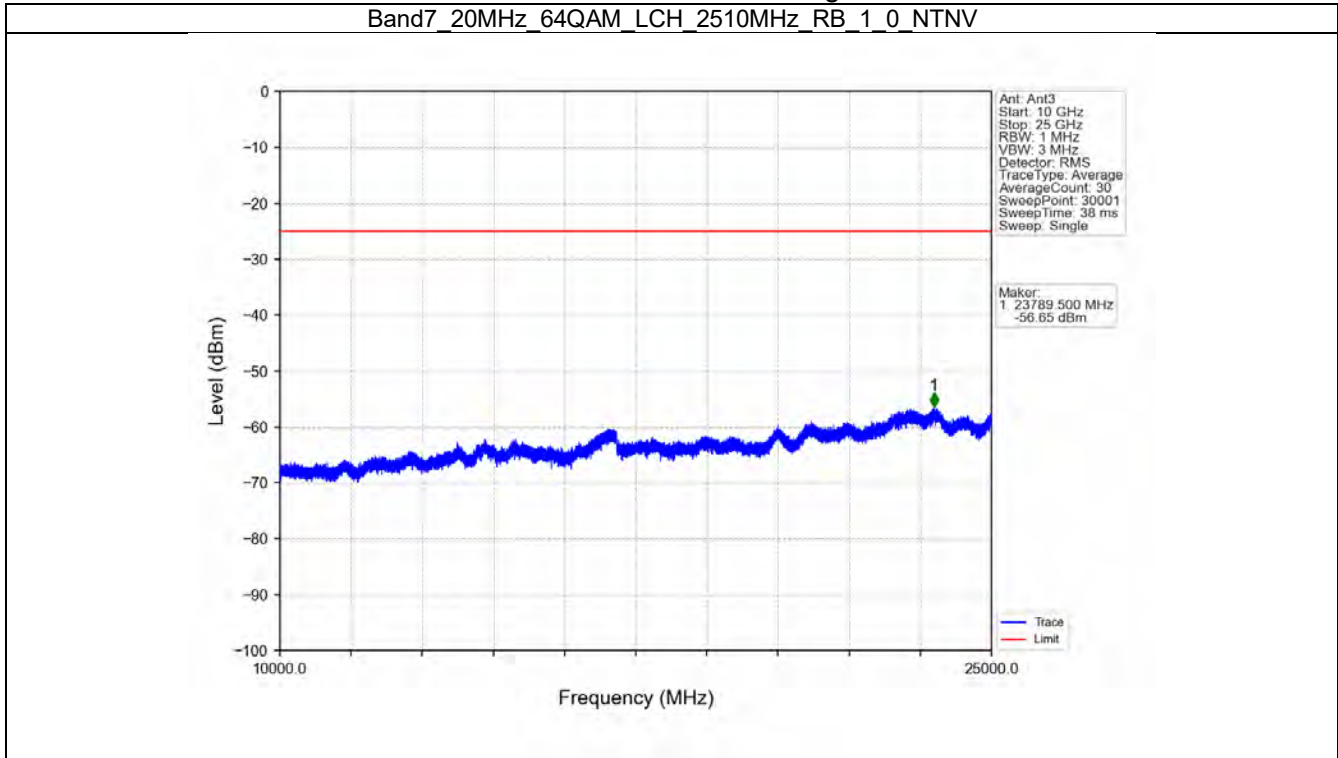


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Band7\_20MHz\_64QAM\_LCH\_2510MHz\_RB\_1\_0\_NTNV



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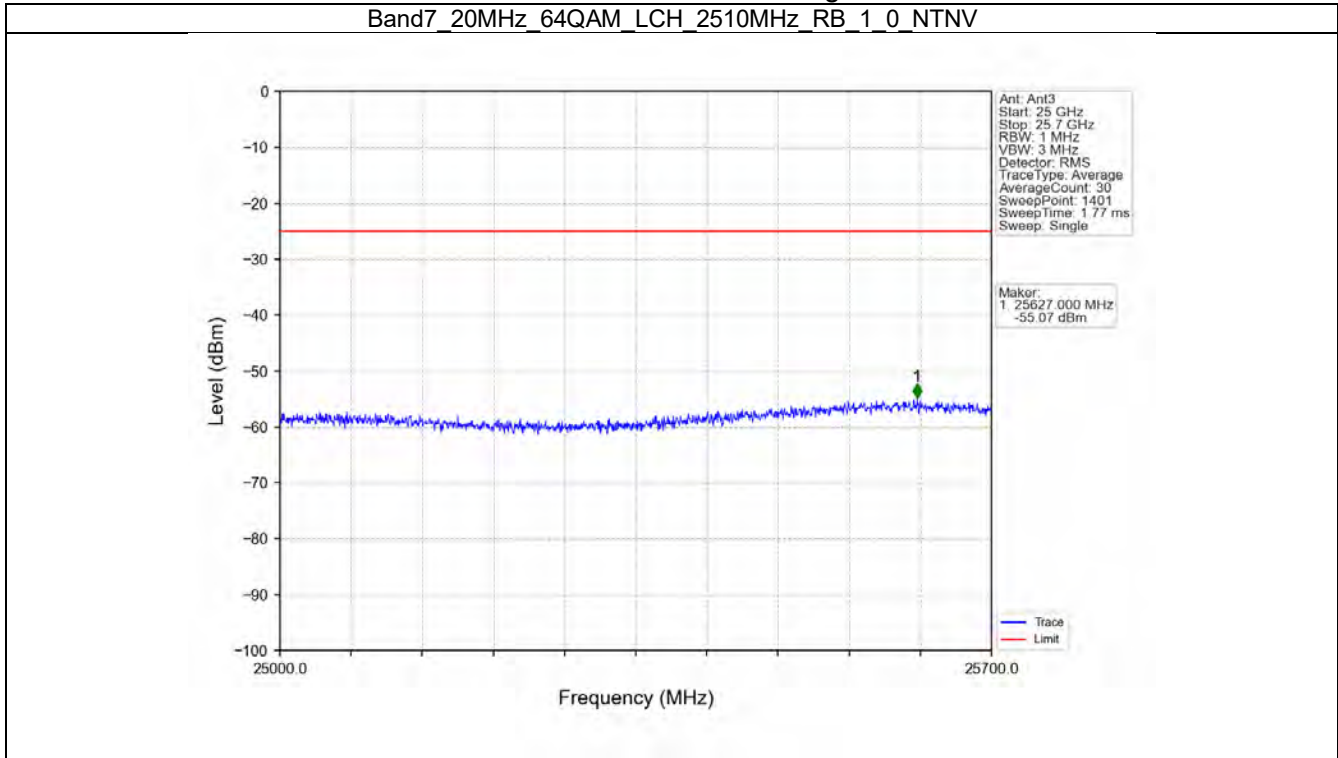
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Band7\_20MHz\_64QAM\_LCH\_2510MHz\_RB\_1\_0\_NTNV



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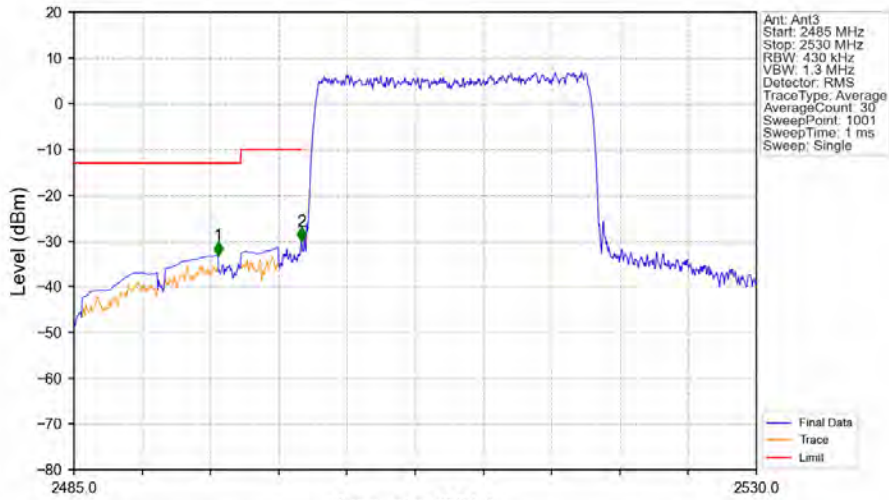


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Band7\_20MHz\_64QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	0.43	CHP	1	2484.495	-33.18	-13	Pass
2499	2500	0.43	/	2	2499.985	-30.14	-10	Pass
2500	2530	0.43	/	/	/	/	/	/

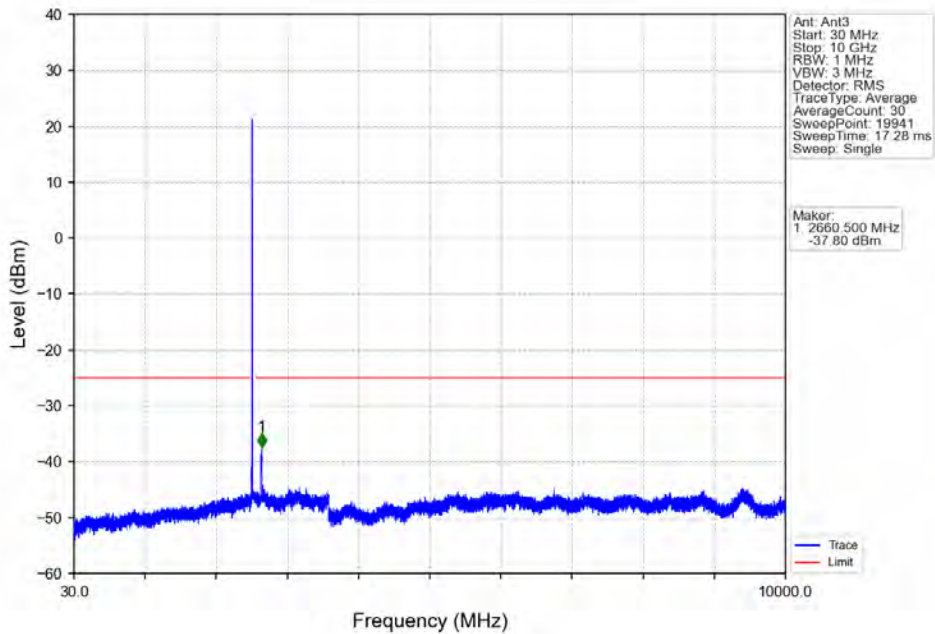


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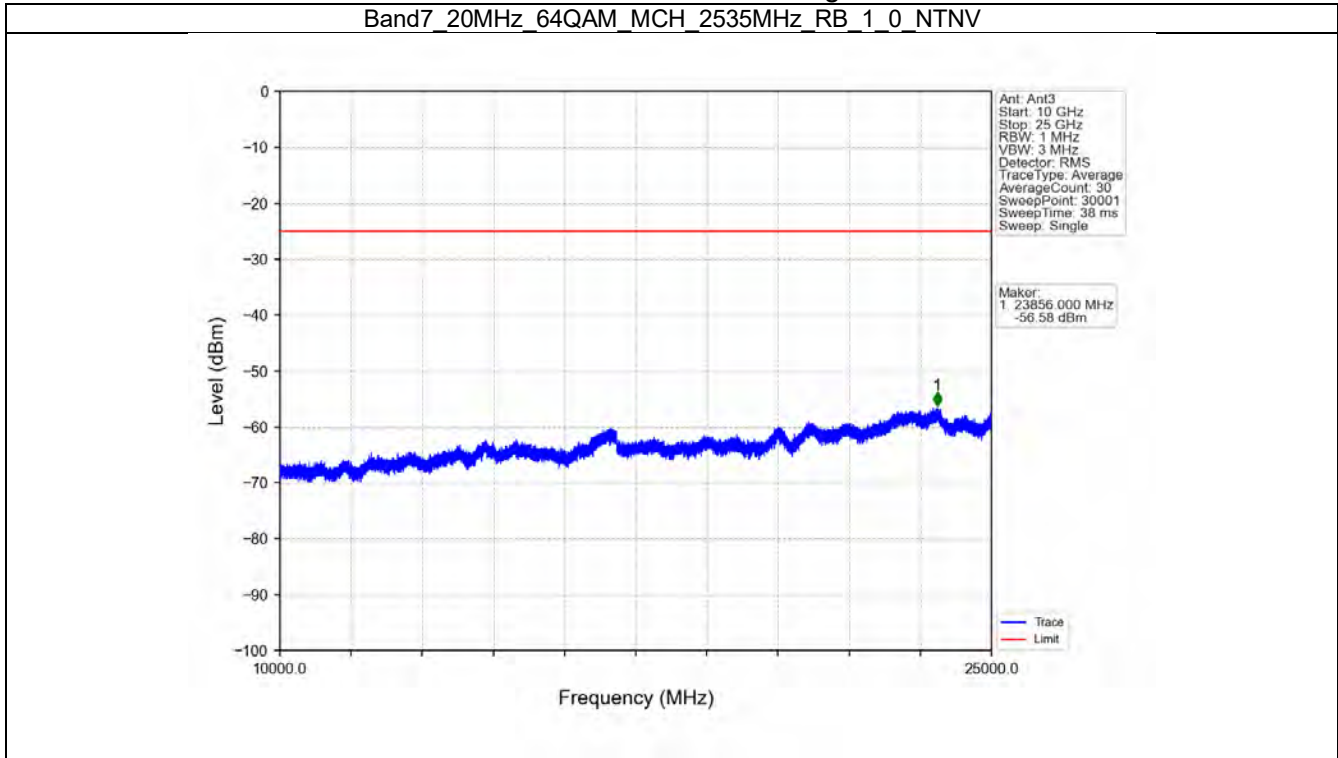
Band7\_20MHz\_64QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



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Band7\_20MHz\_64QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



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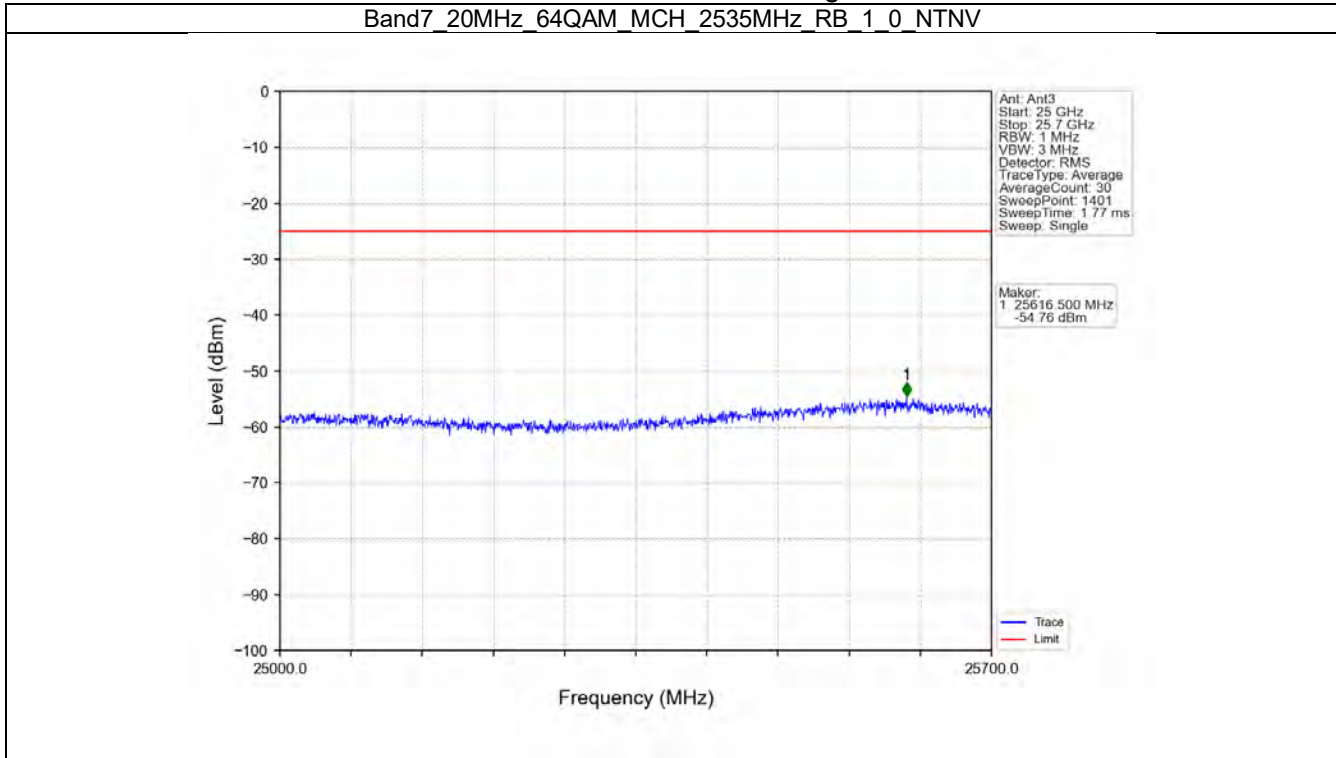
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Band7\_20MHz\_64QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



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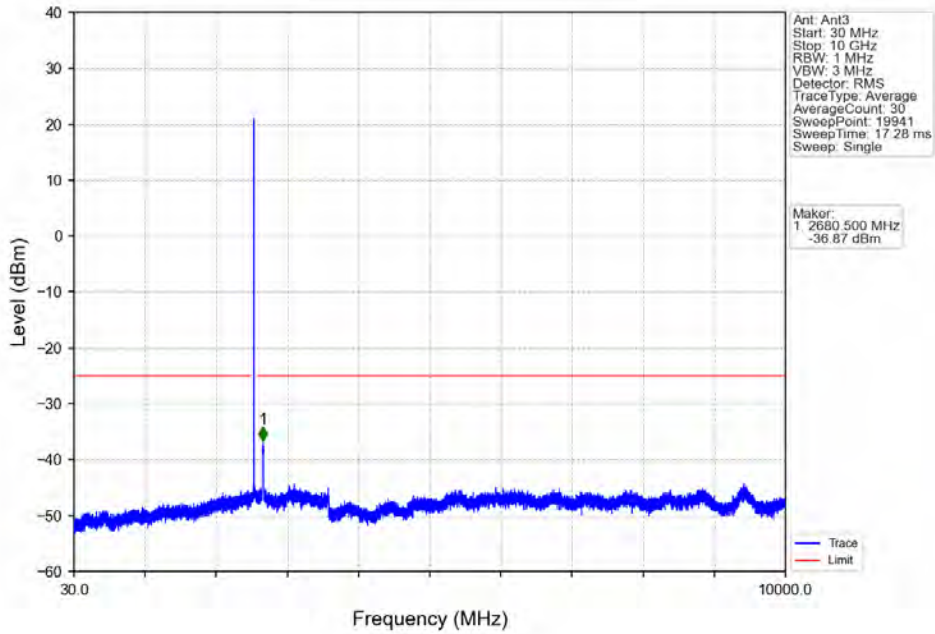


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Band7\_20MHz\_64QAM\_HCH\_2560MHz\_RB\_1\_0\_NTNV

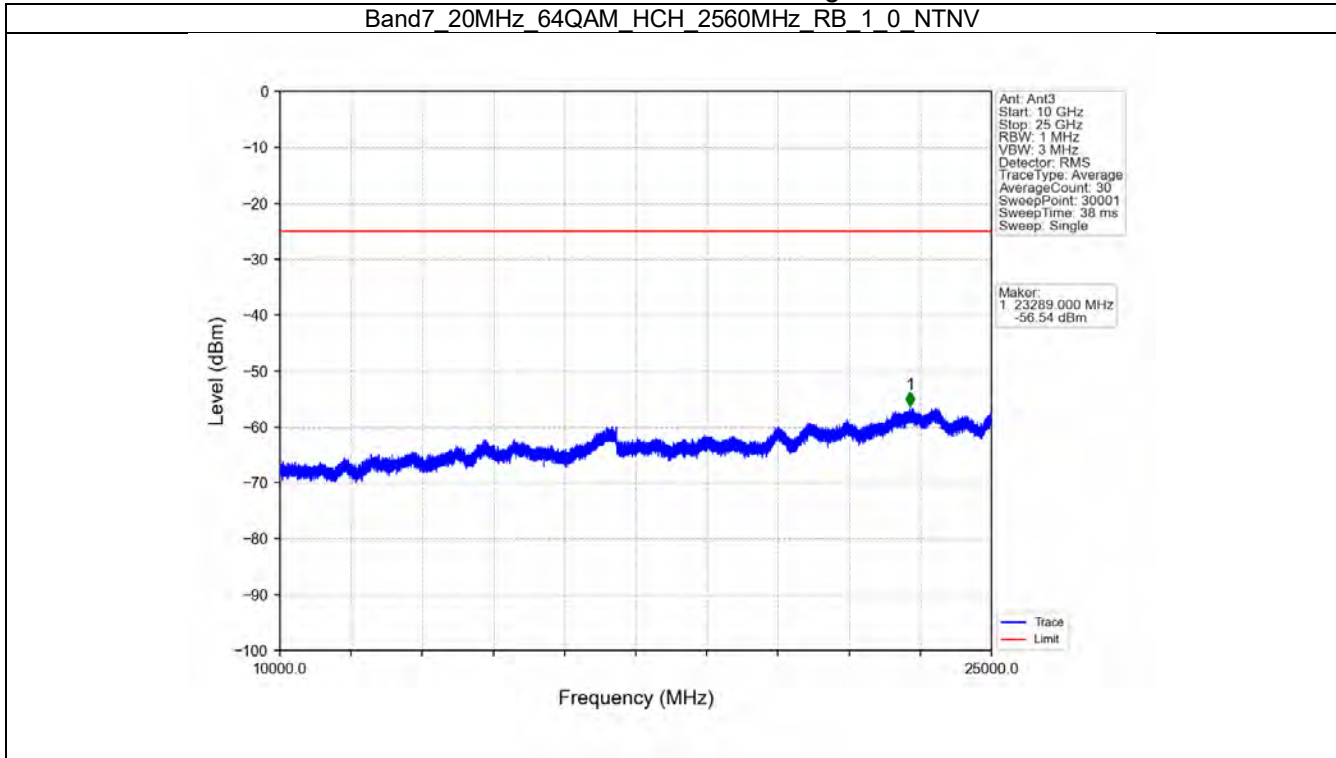


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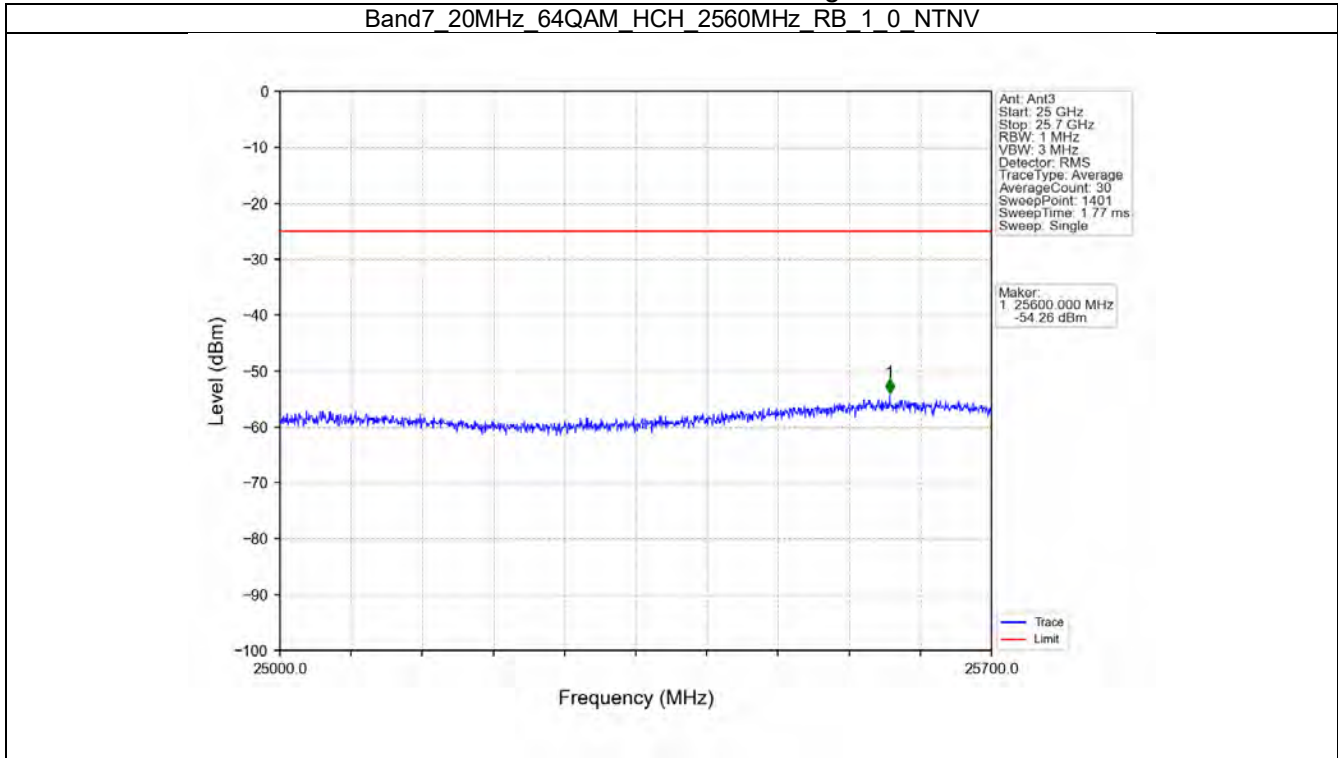
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Band7\_20MHz\_64QAM\_HCH\_2560MHz\_RB\_1\_0\_NTNV



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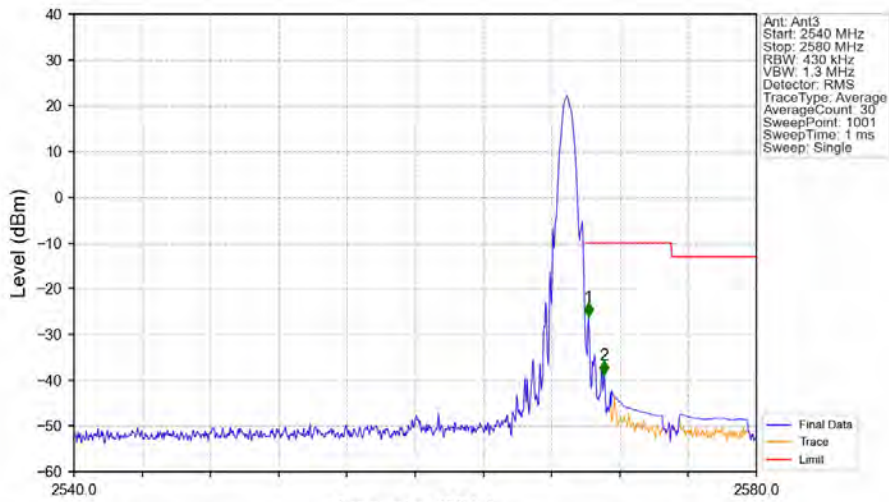
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Band7\_20MHz\_64QAM\_HCH\_2560MHz\_RB\_1\_99\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	1	2570.160	-26.18	-10	Pass
2571	2580	1	CHP	2	2571.080	-38.80	-10	Pass



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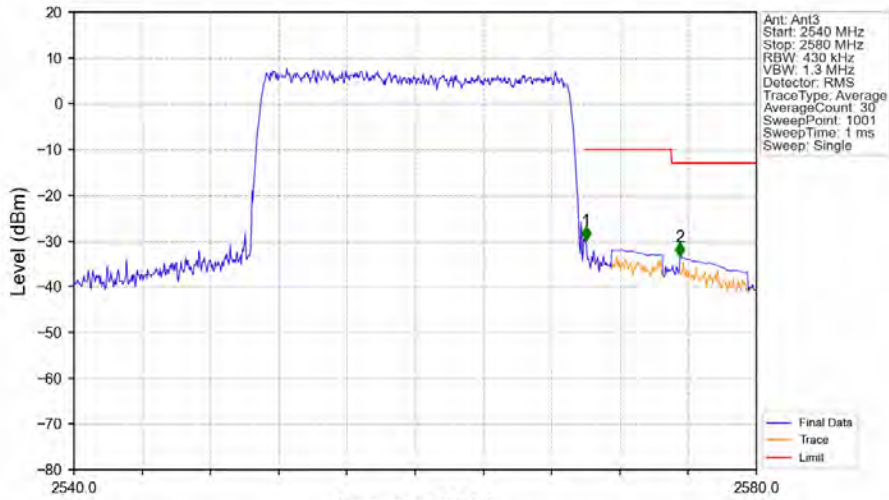


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Band7\_20MHz\_64QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.000	-29.92	-10	Pass
2571	2580	1	CHP	2	2575.520	-33.52	-13	Pass



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## 6. Field Strength of Spurious Radiation

Test Band = LTE Band 7\_ TM1

Test Channel = Low Channel\_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	44.89	-48.01	31.51	-66.87	-25.00	41.87	Horizontal
2	7503.27	43.63	-46.11	36.80	-60.95	-25.00	35.95	Horizontal
3	10004.36	37.95	-41.71	38.50	-60.51	-25.00	32.56	Horizontal
4	12505.45	36.06	-39.84	38.90	-60.14	-25.00	31.48	Horizontal
5	15006.54	35.18	-38.03	40.09	-58.03	-25.00	30.19	Horizontal
6	17507.63	36.72	-36.82	42.15	-53.21	-25.00	28.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	44.62	-48.01	31.51	-67.14	-25.00	42.14	Vertical
2	7503.27	43.82	-46.11	36.80	-60.76	-25.00	35.76	Vertical
3	10004.36	39.39	-41.71	38.50	-59.07	-25.00	32.05	Vertical
4	12505.45	36.39	-39.84	38.90	-59.81	-25.00	31.49	Vertical
5	15006.54	37.42	-38.03	40.09	-55.79	-25.00	30.79	Vertical
6	17507.63	36.42	-36.82	42.15	-53.51	-25.00	28.51	Vertical



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Test Band = LTE Band 7\_TM1

Test Channel = Mid Channel\_Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.18	45.08	-47.91	31.63	-66.46	-25.00	41.46	Horizontal
2	7578.27	43.66	-44.91	36.71	-59.81	-25.00	34.81	Horizontal
3	10104.36	41.47	-41.88	38.59	-57.08	-25.00	32.08	Horizontal
4	12630.45	36.62	-39.08	38.82	-58.89	-25.00	31.32	Horizontal
5	15156.54	36.69	-37.42	39.80	-56.19	-25.00	31.19	Horizontal
6	17682.63	37.22	-37.64	43.27	-52.41	-25.00	27.41	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.18	45.18	-47.91	31.63	-66.36	-25.00	41.36	Vertical
2	7578.27	43.56	-44.91	36.71	-59.91	-25.00	34.91	Vertical
3	10104.36	39.17	-41.88	38.59	-59.38	-25.00	32.09	Vertical
4	12630.45	39.00	-39.08	38.82	-56.51	-25.00	31.51	Vertical
5	15156.54	36.11	-37.42	39.80	-56.77	-25.00	31.77	Vertical
6	17682.63	36.61	-37.64	43.27	-53.02	-25.00	28.02	Vertical



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Test Band = LTE Band 7\_ TM1  
 Test Channel = High Channel\_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.18	45.43	-47.82	31.75	-65.91	-25.00	40.91	Horizontal
2	7653.27	43.56	-44.91	36.62	-60.00	-25.00	35.00	Horizontal
3	10204.36	40.42	-42.10	38.68	-58.25	-25.00	33.25	Horizontal
4	12755.45	39.39	-39.29	38.75	-56.41	-25.00	31.41	Horizontal
5	15306.54	36.21	-37.87	39.52	-57.40	-25.00	32.40	Horizontal
6	17857.63	35.77	-36.85	44.39	-51.95	-25.00	26.95	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.18	45.49	-47.82	31.75	-65.85	-25.00	40.85	Vertical
2	7653.27	43.38	-44.91	36.62	-60.18	-25.00	35.18	Vertical
3	10204.36	40.95	-42.10	38.68	-57.72	-25.00	32.72	Vertical
4	12755.45	36.22	-39.29	38.75	-59.58	-25.00	30.52	Vertical
5	15306.54	36.78	-37.87	39.52	-56.83	-25.00	31.83	Vertical
6	17857.63	35.56	-36.85	44.39	-52.16	-25.00	27.16	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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