



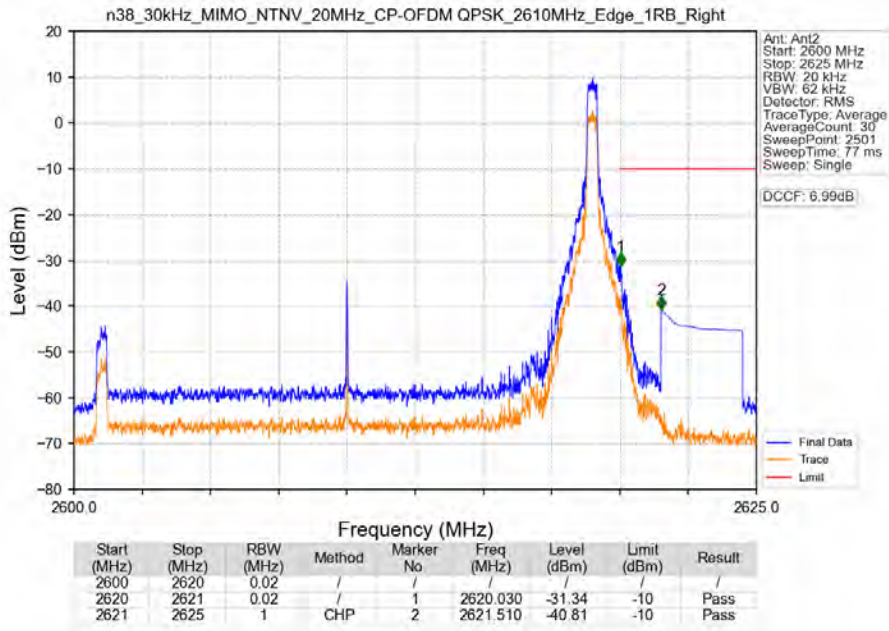
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Shenzhen Branch**

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Rev.: 01

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n38\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_2610MHz\_Edge\_1RB\_Right



n38\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_2610MHz\_Edge\_1RB\_Right



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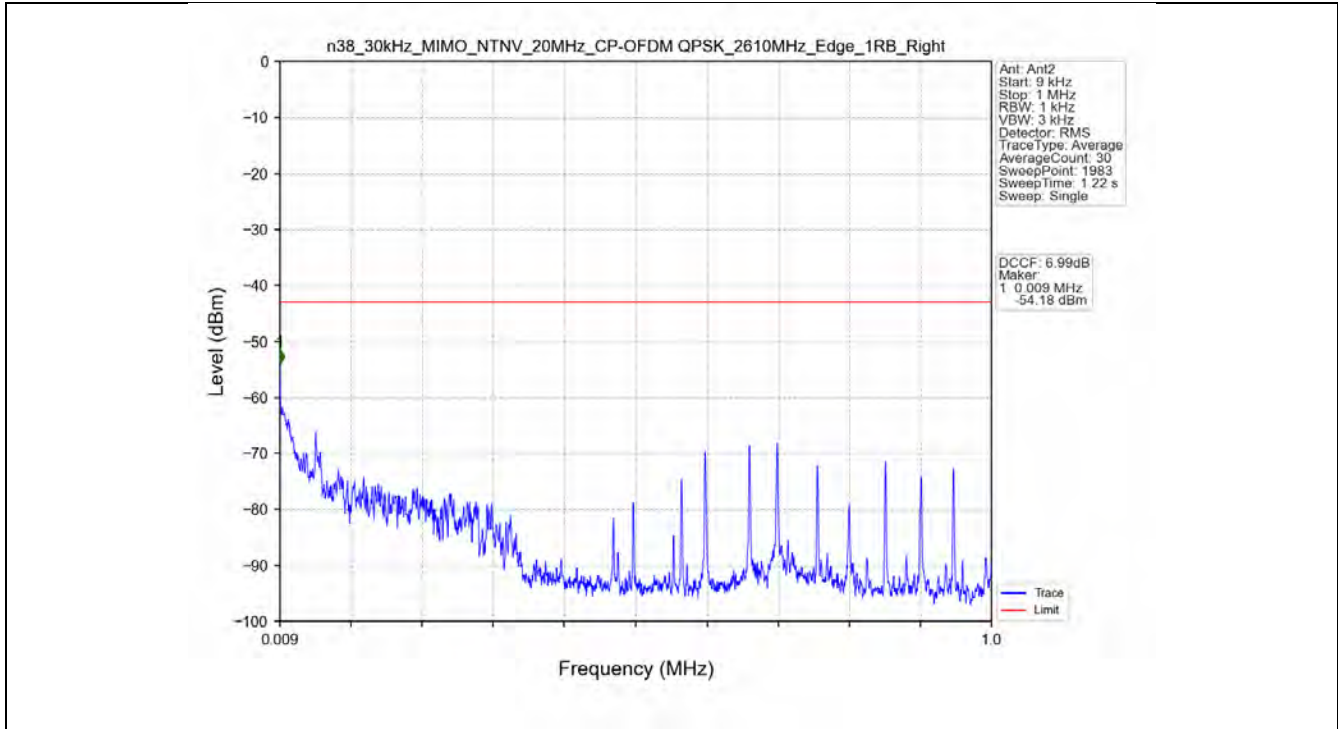


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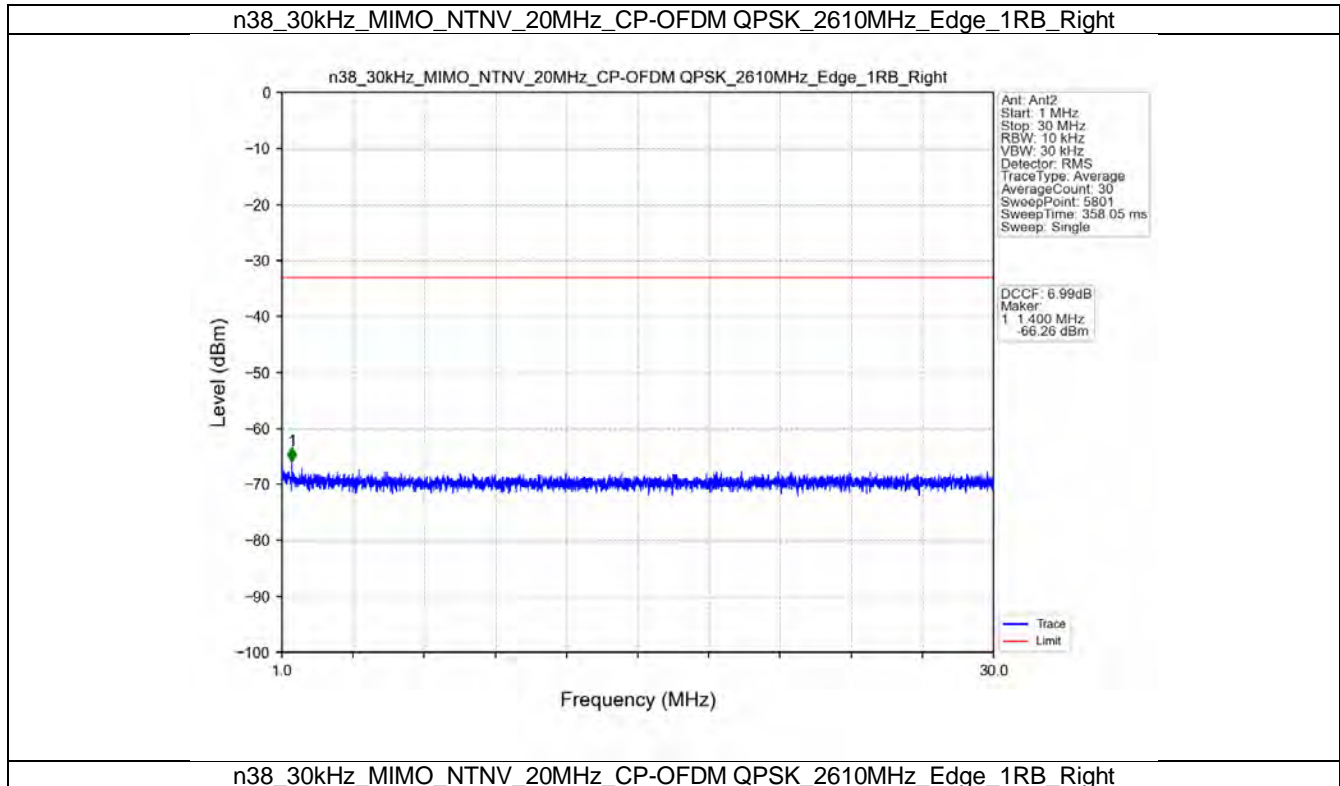


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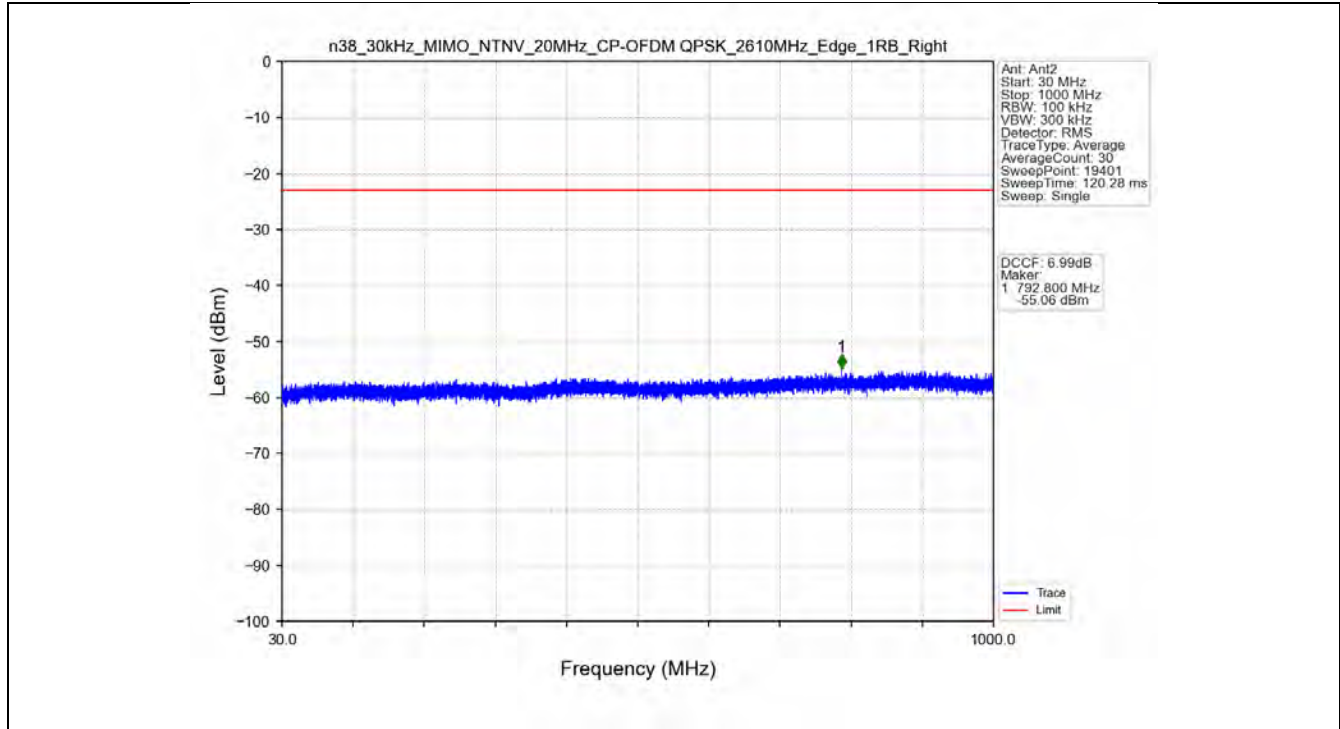


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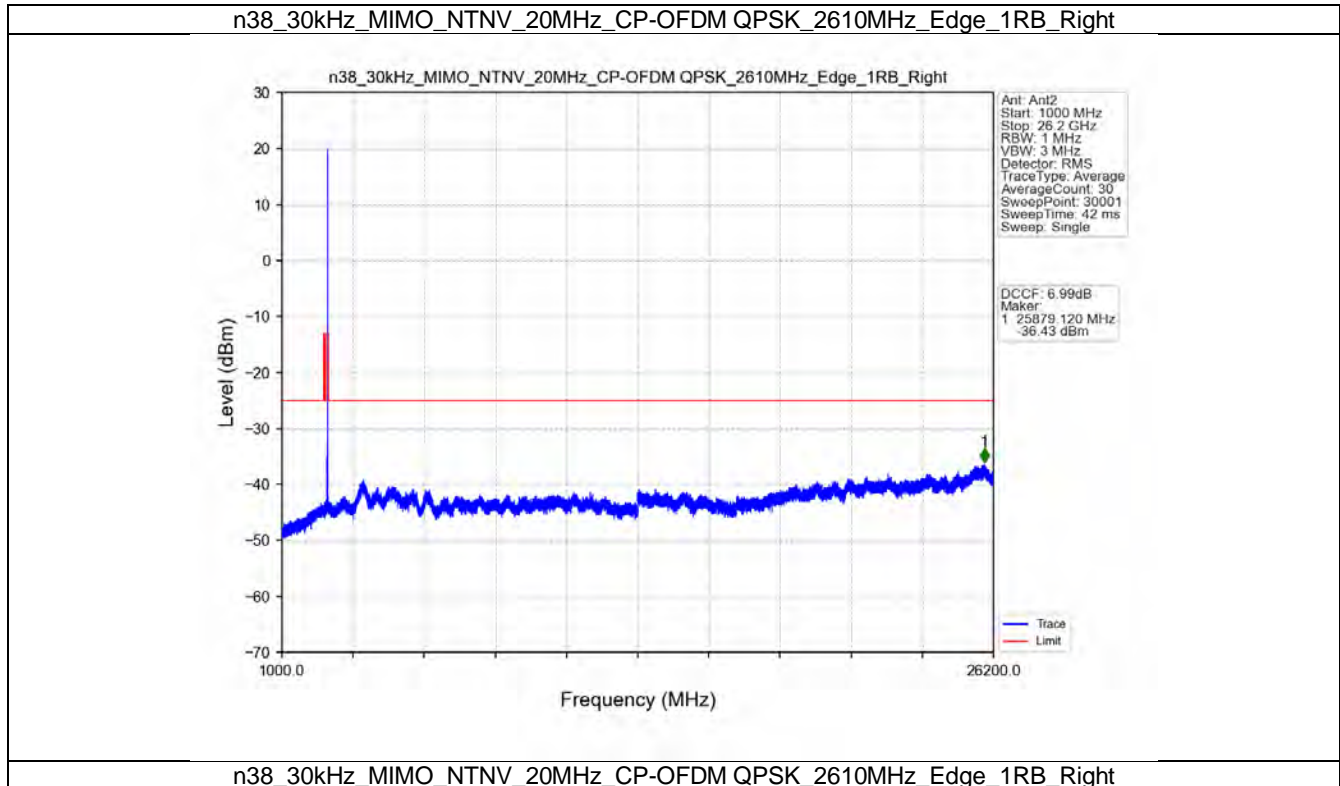


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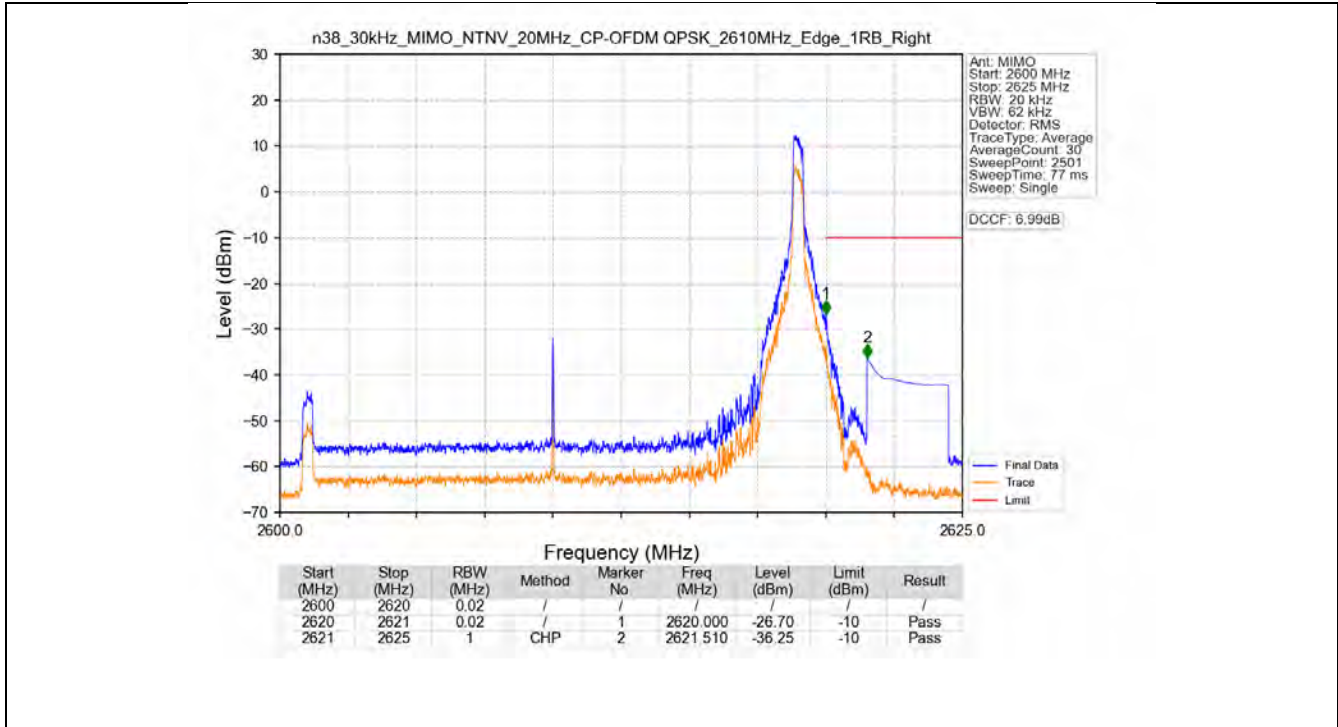


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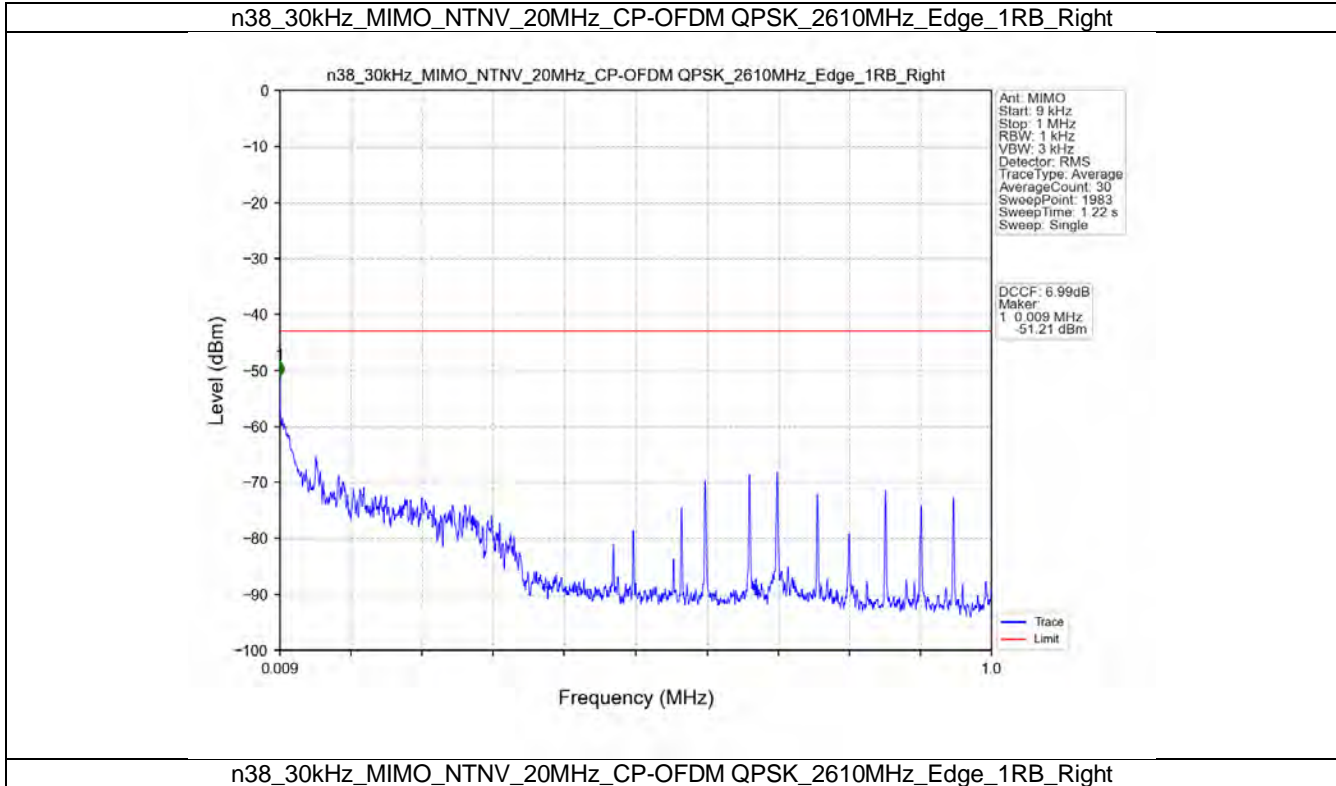


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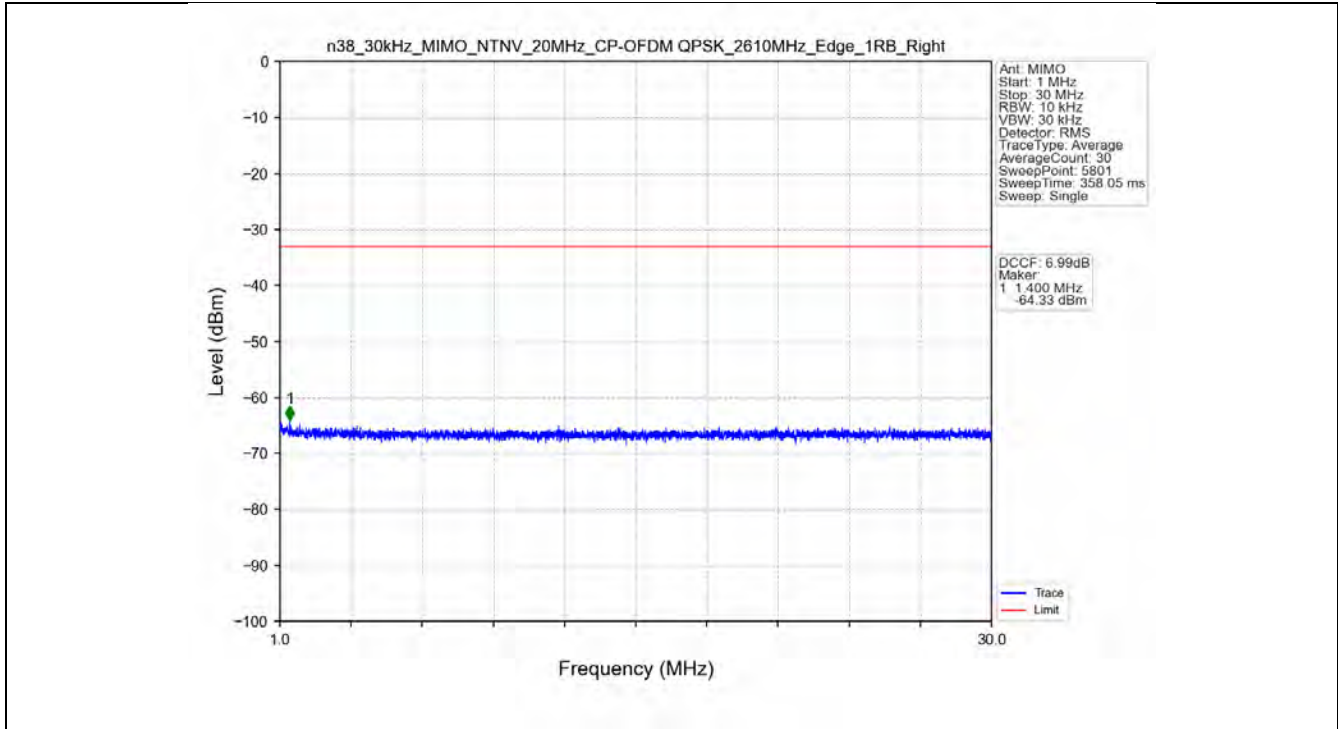


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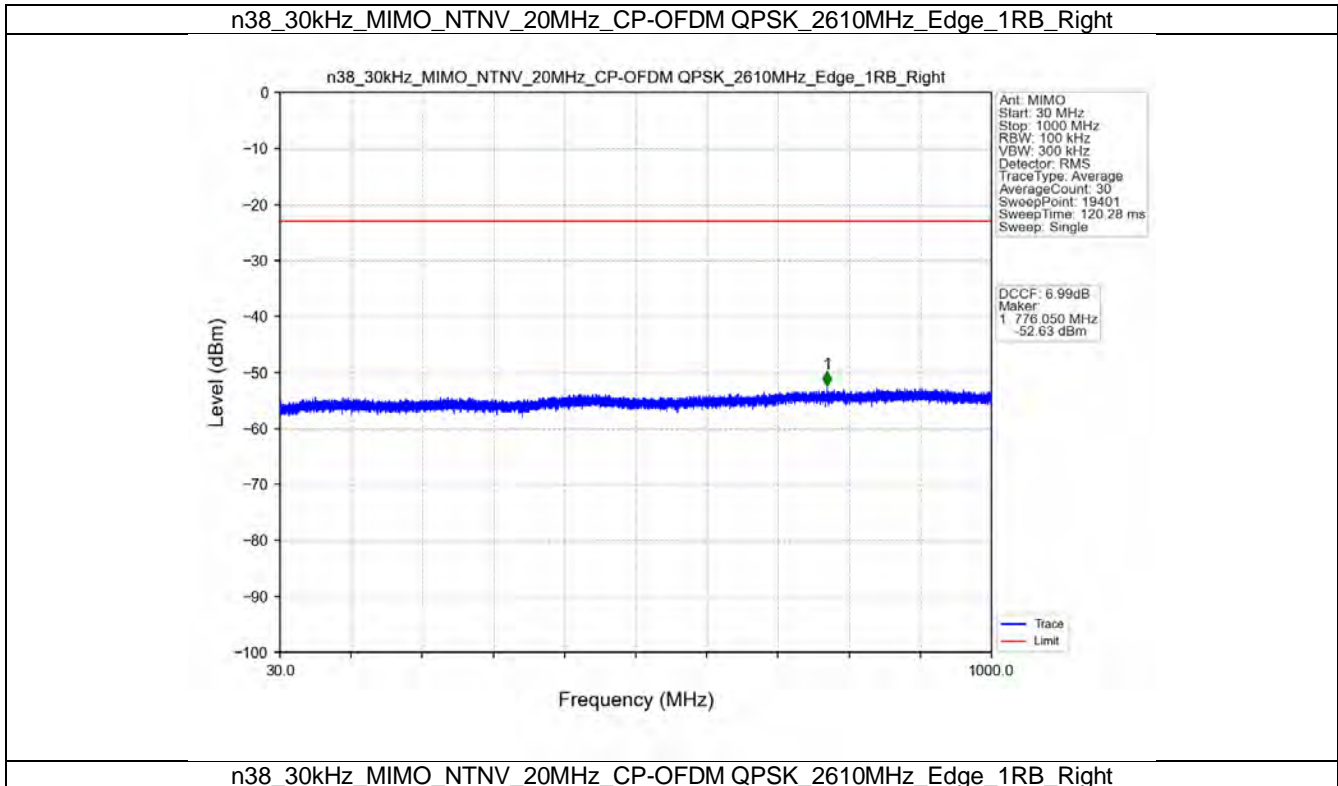


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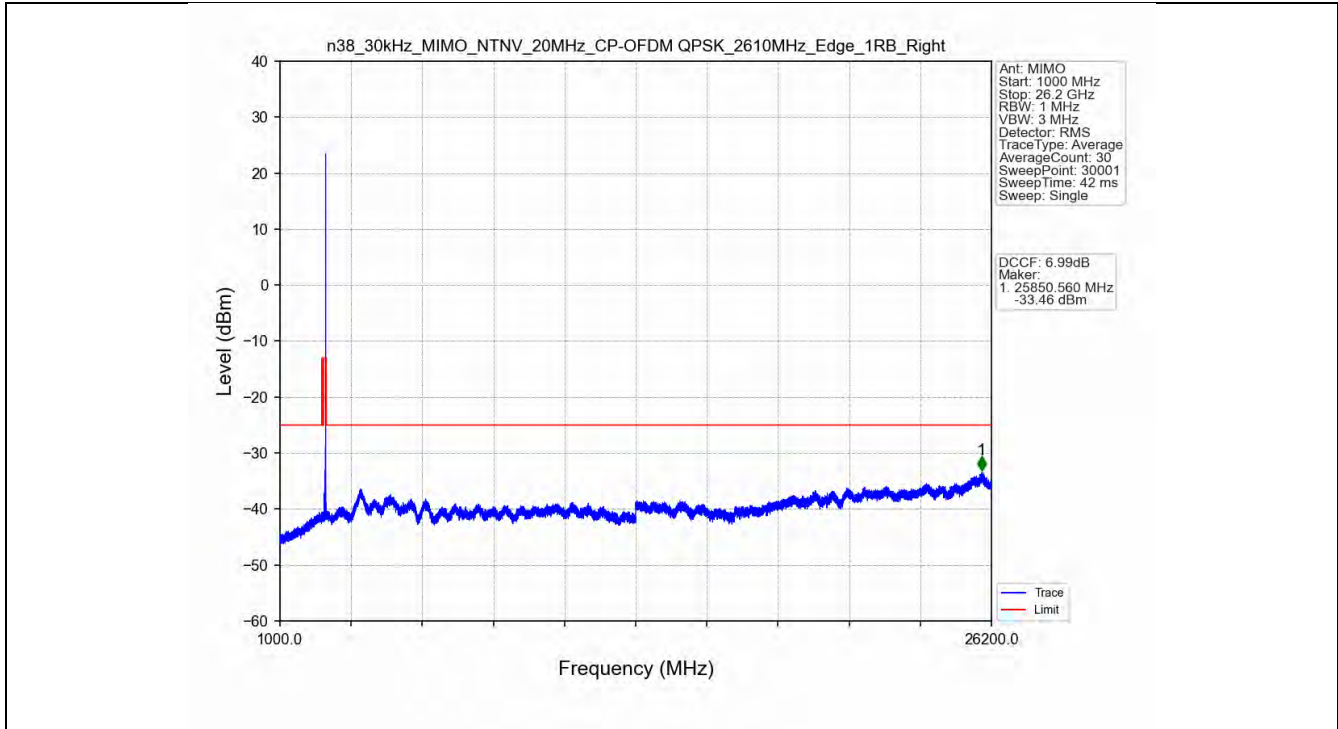


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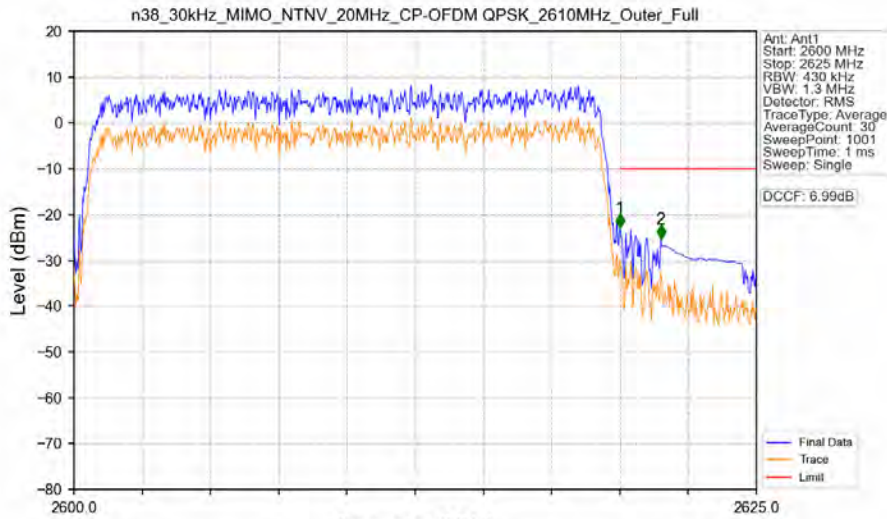
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.43	/	/	/	/	/	/
2620	2621	0.43	/	1	2620.000	-22.89	-10	Pass
2621	2625	1	CHP	2	2621.500	-25.37	-10	Pass

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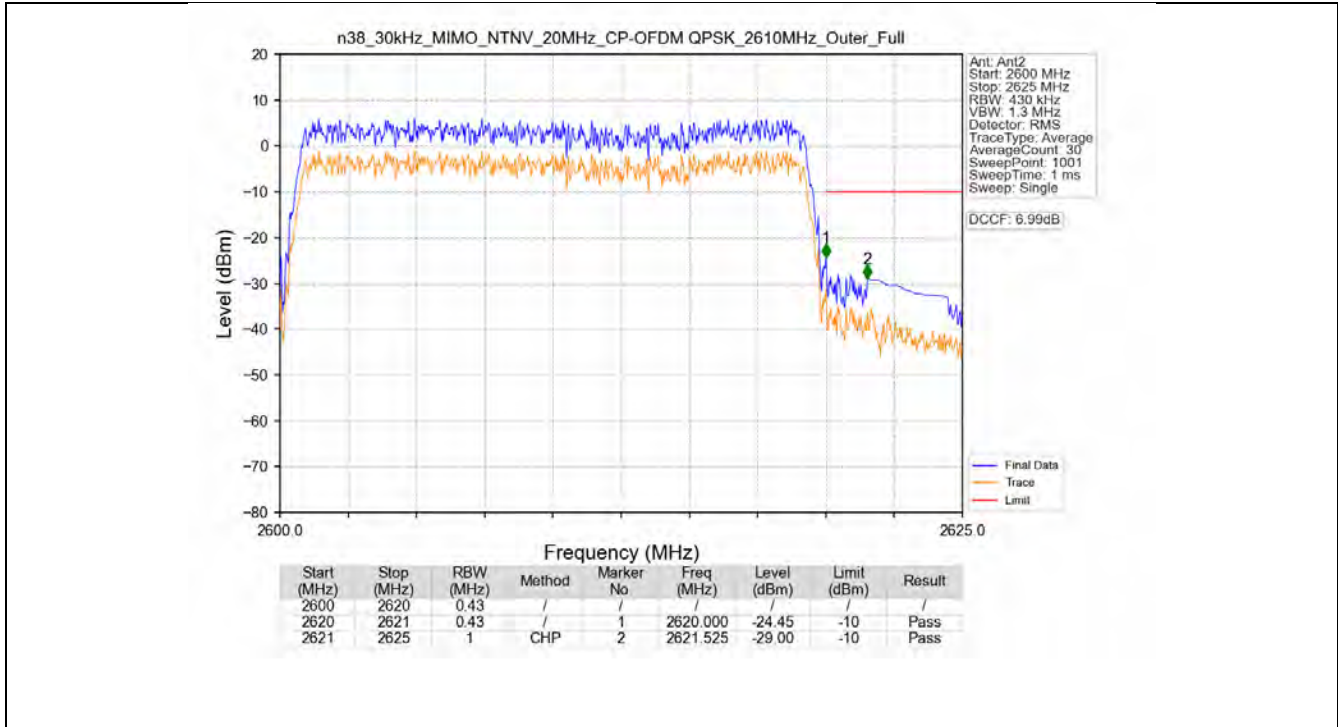


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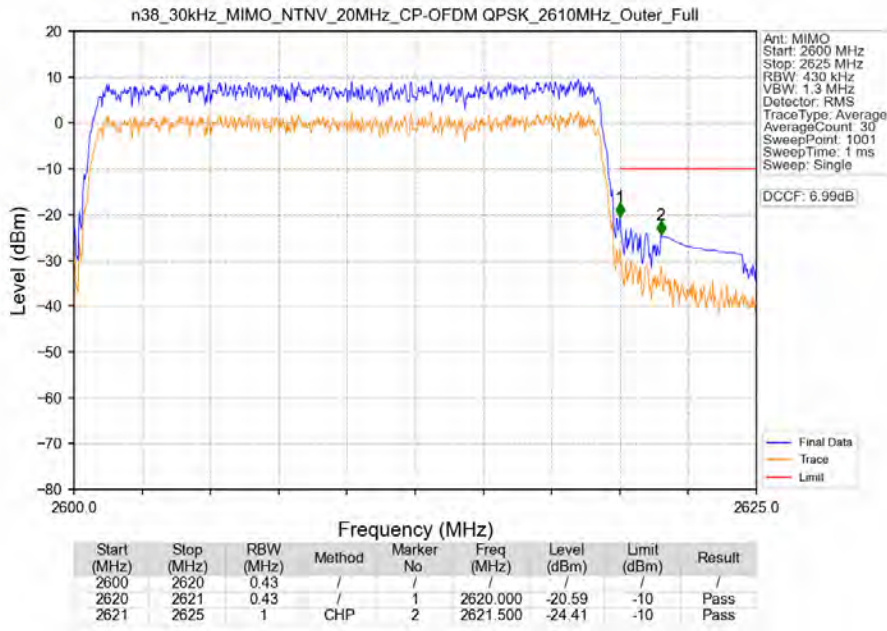
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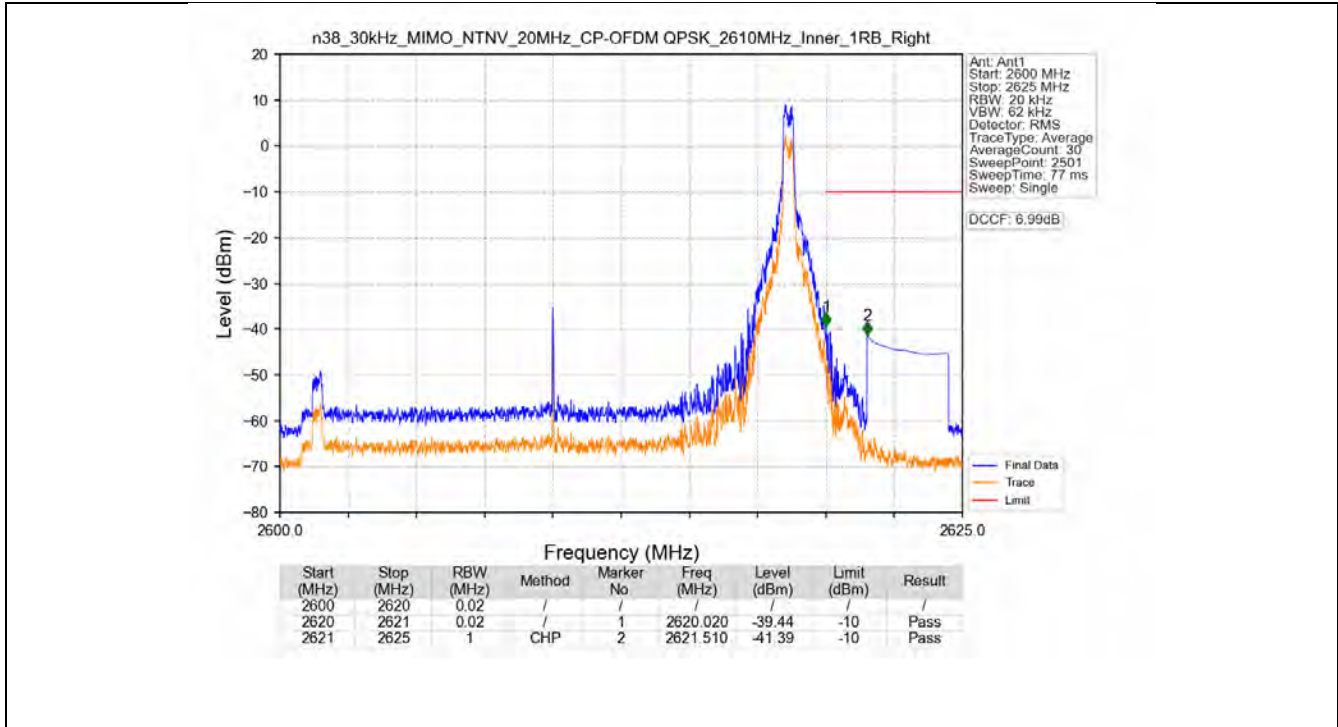


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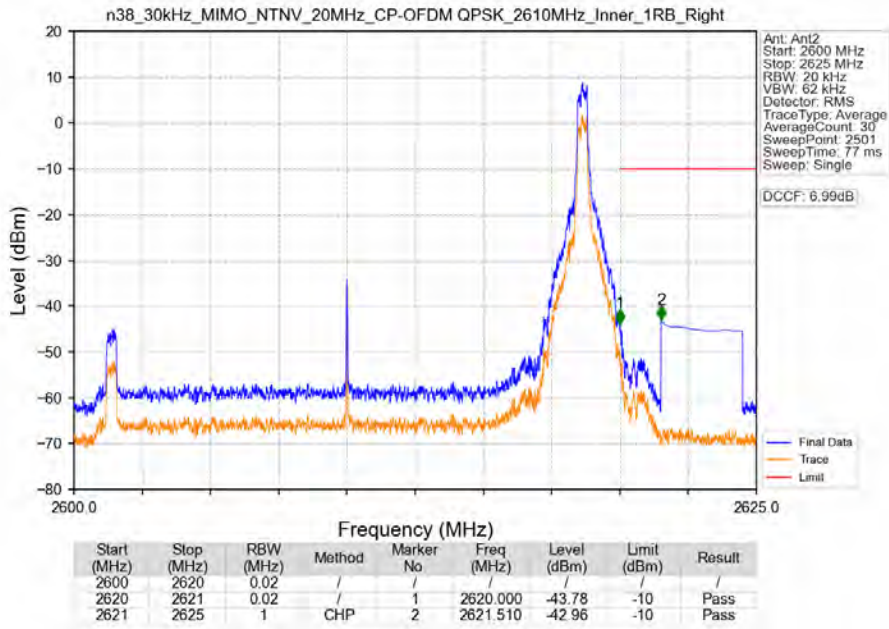
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n38\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_2610MHz\_Inner\_1RB\_Right



n38\_30kHz\_MIMO\_NTNV\_20MHz\_CP-OFDM QPSK\_2610MHz\_Inner\_1RB\_Right



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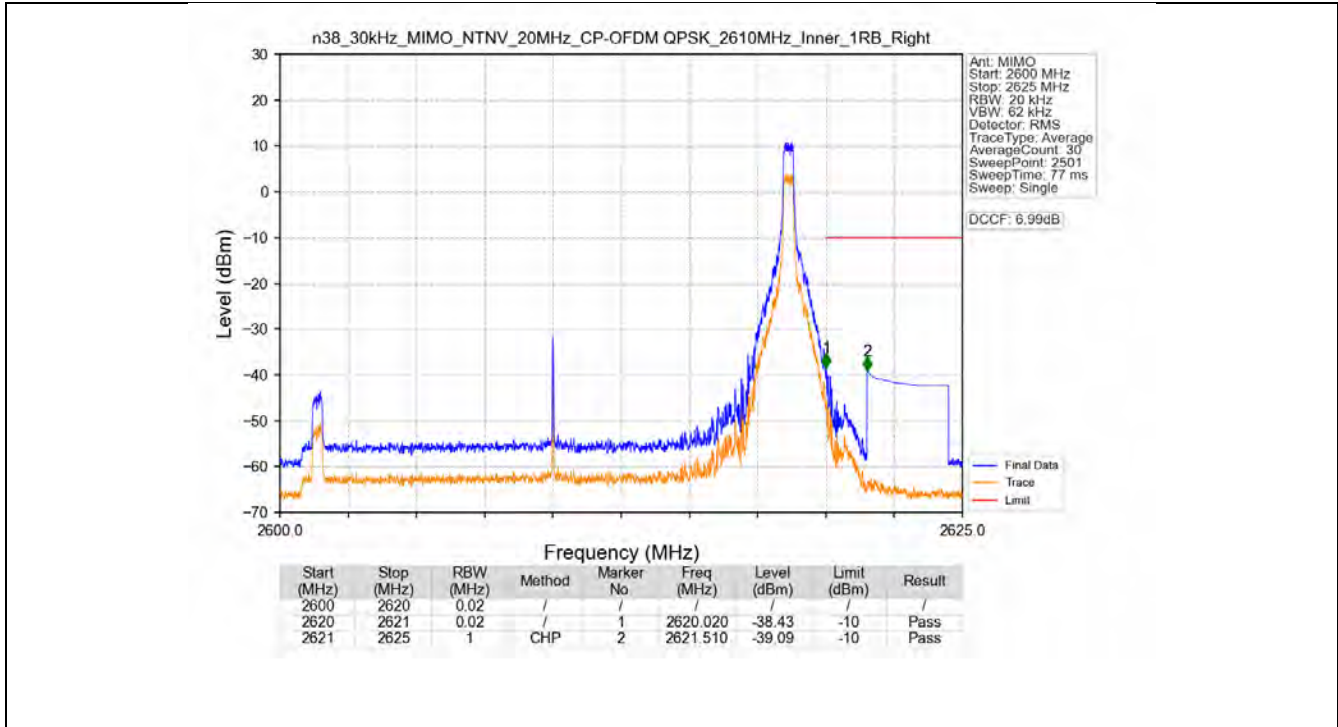


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## 5.5 30k\_MIMO\_30MHz\_NTNV

### 5.5.1 Test Result

5G NR n38 SCS=30kHz MIMO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2585	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	2605	Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	Outer_Full	Refer To Test Graph				Pass	
		Refer To Test Graph				Pass	
		Refer To Test Graph				Pass	
	Inner_1RB_Right	Refer To Test Graph				Pass	
Refer To Test Graph				Pass			



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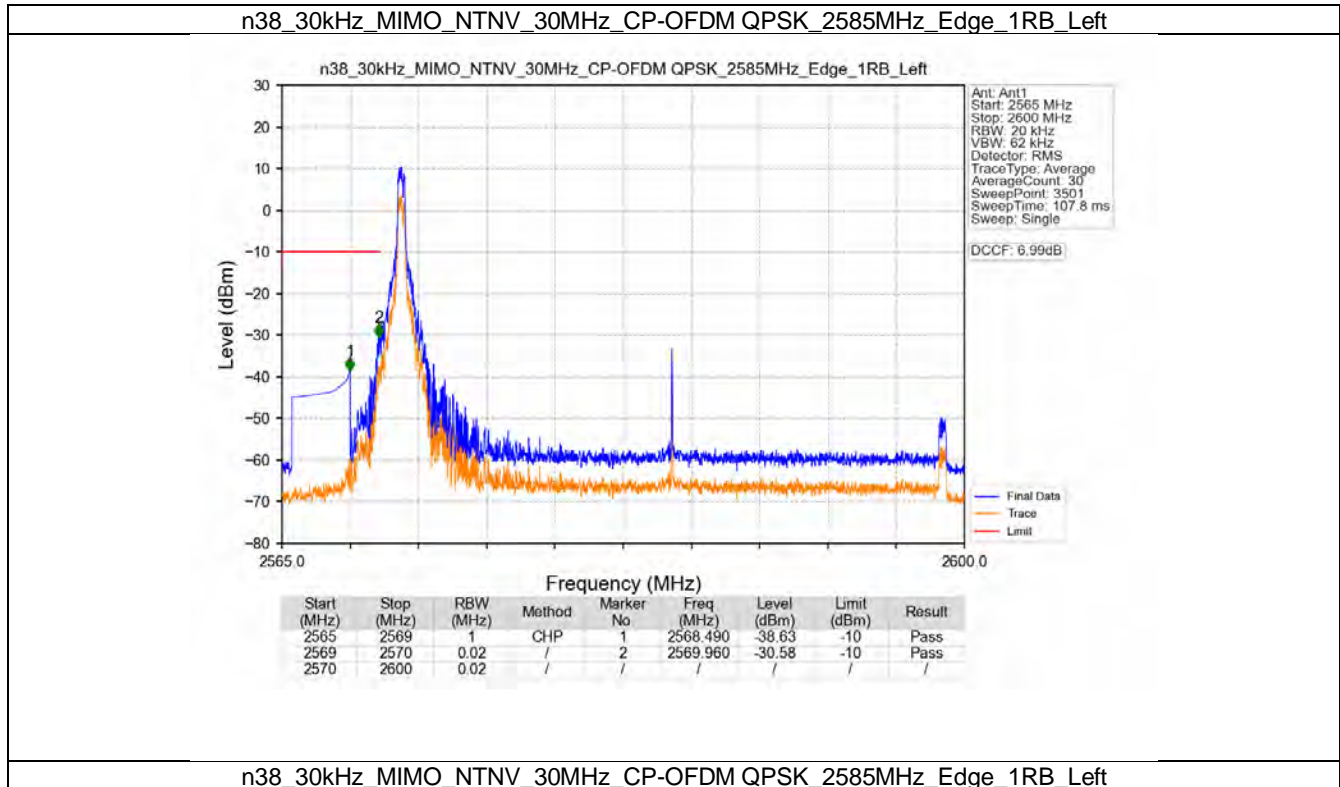
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5.5.2 Test Graph



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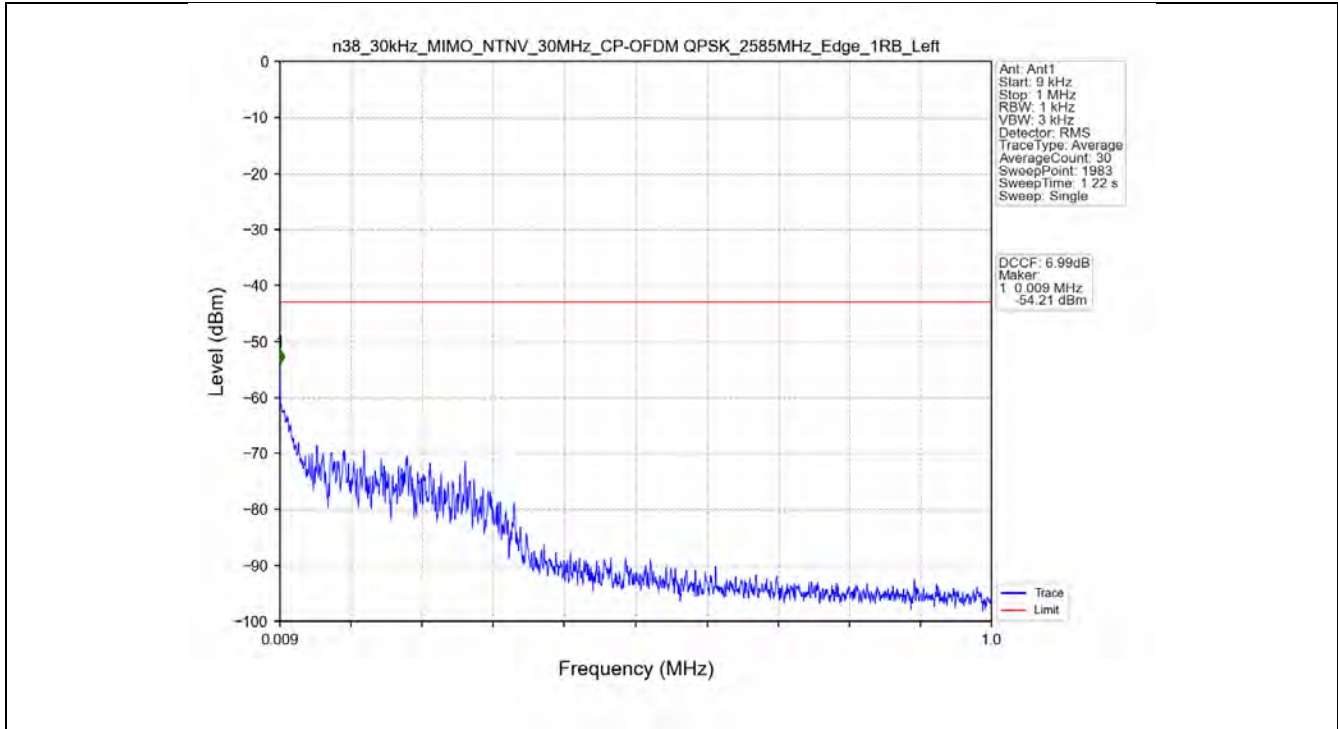


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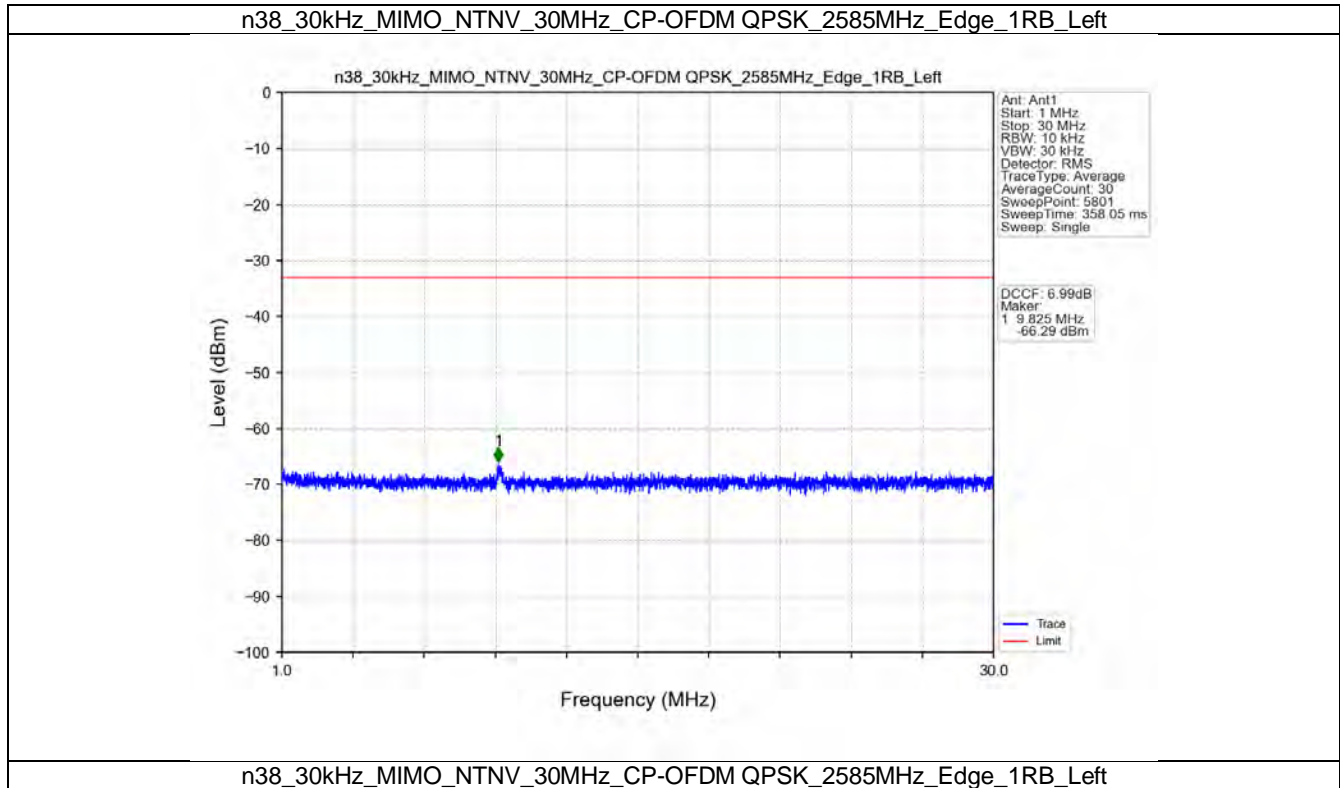


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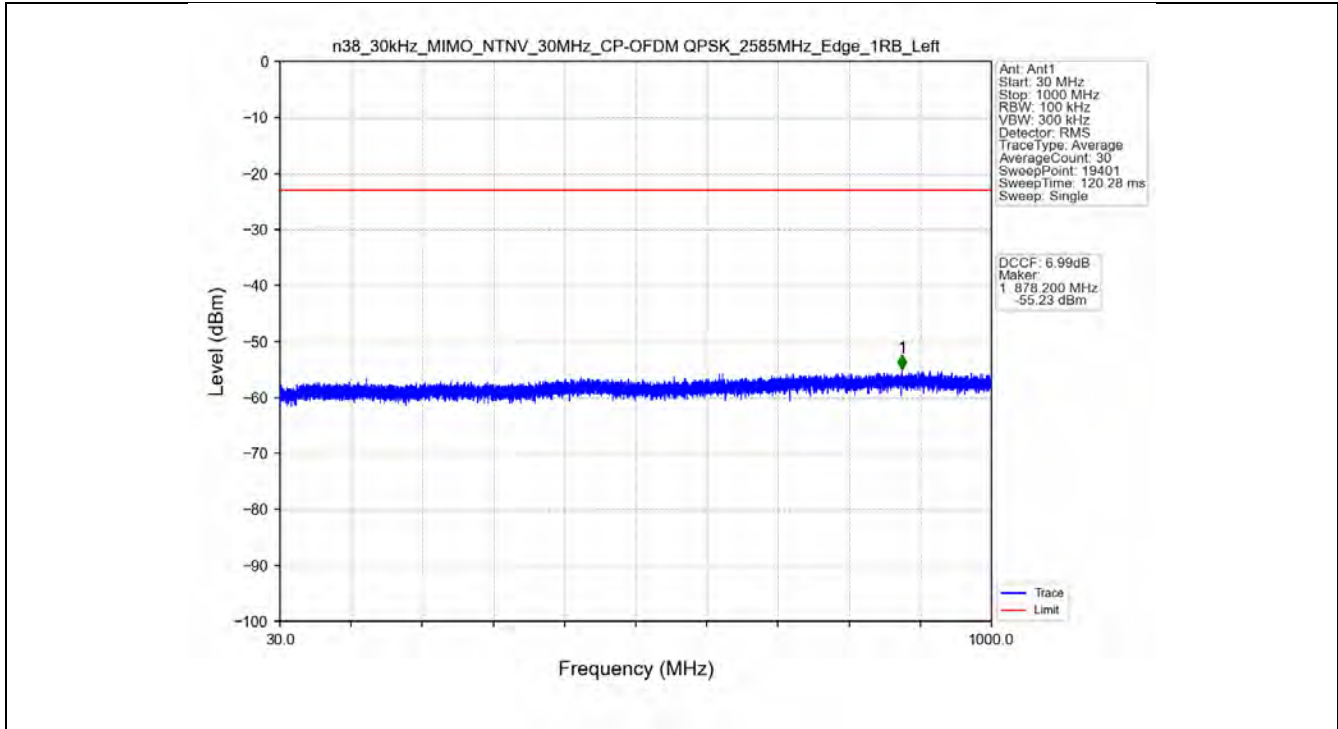


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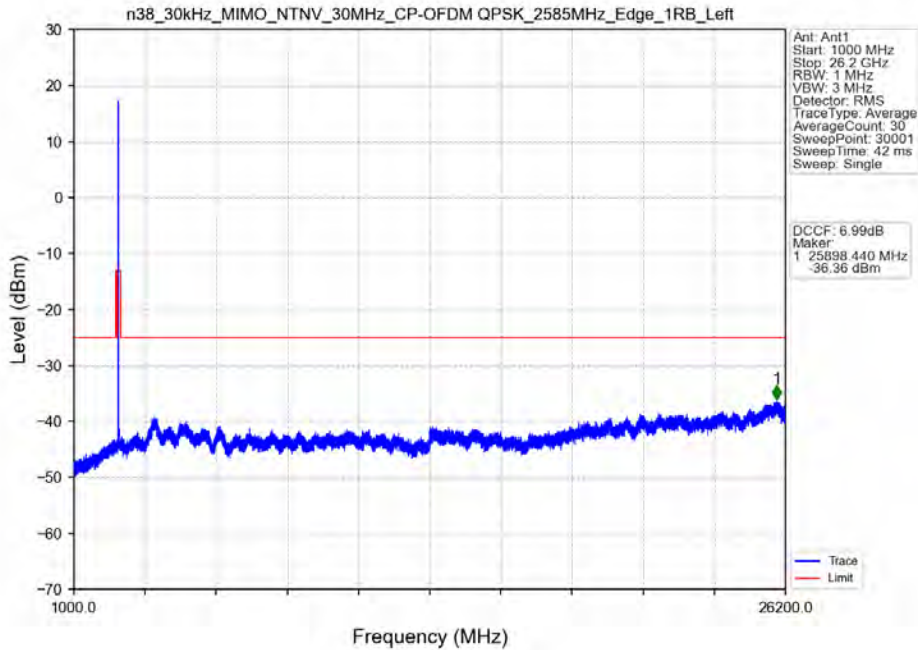
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Edge\_1RB\_Left



n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Edge\_1RB\_Left



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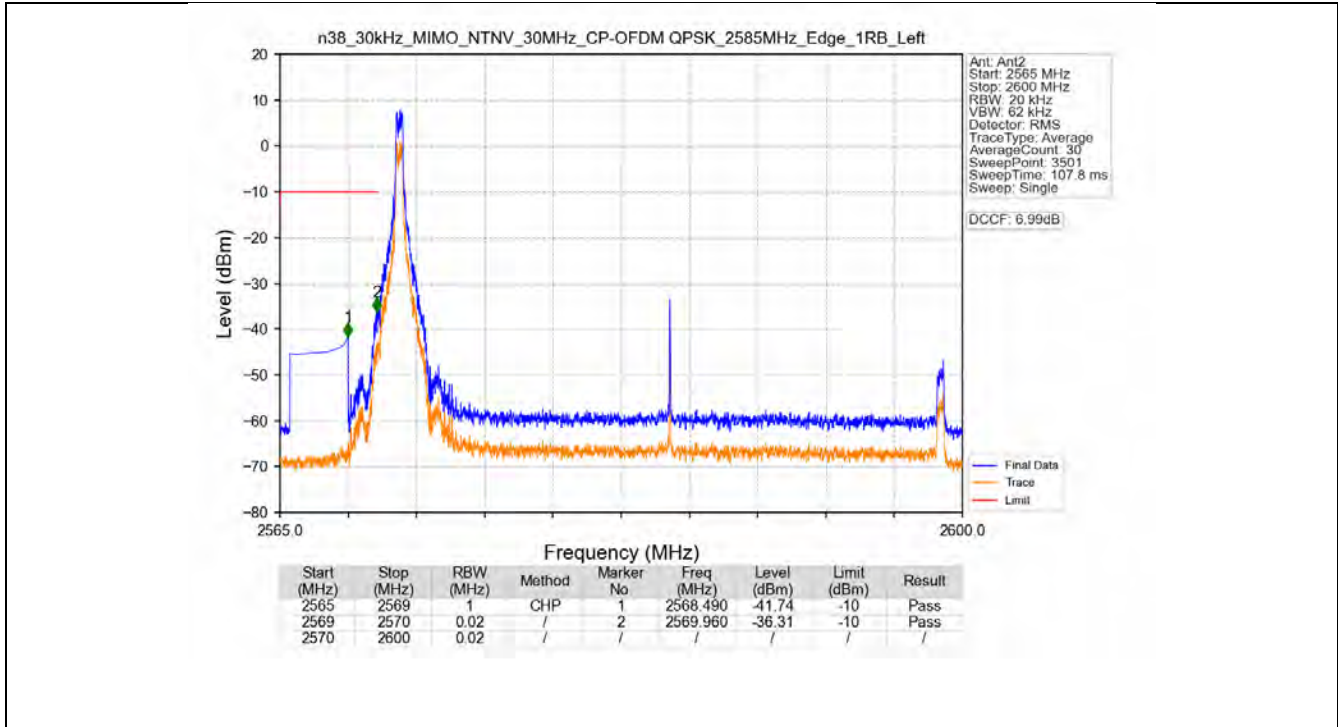


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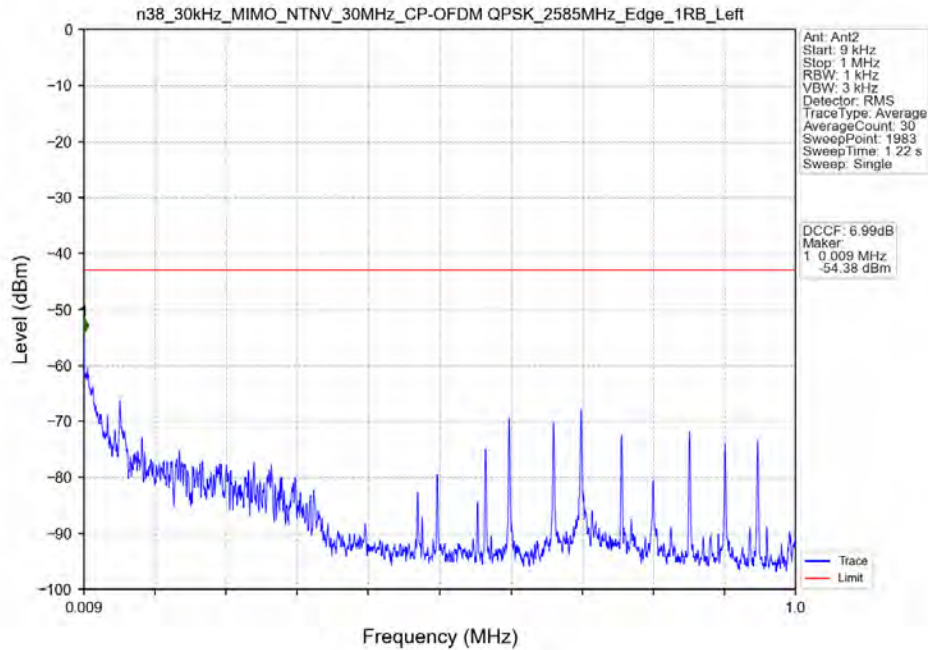
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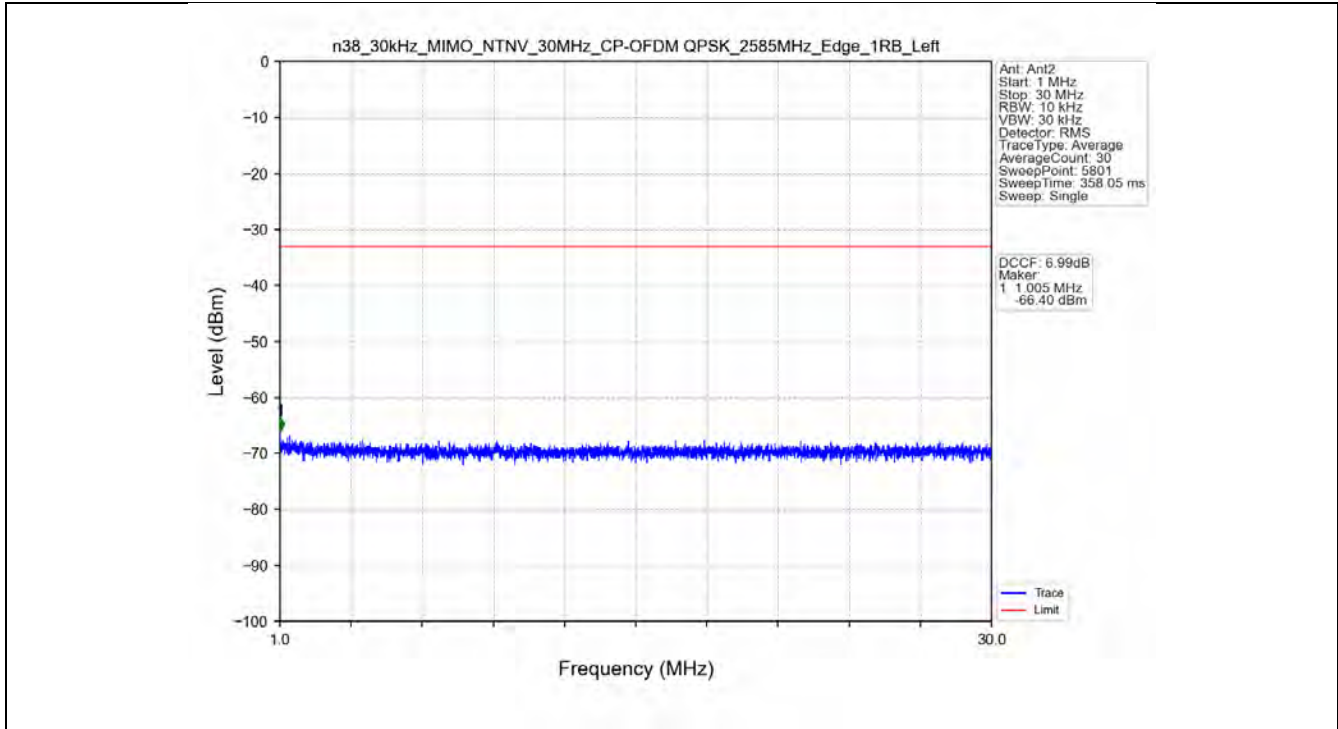


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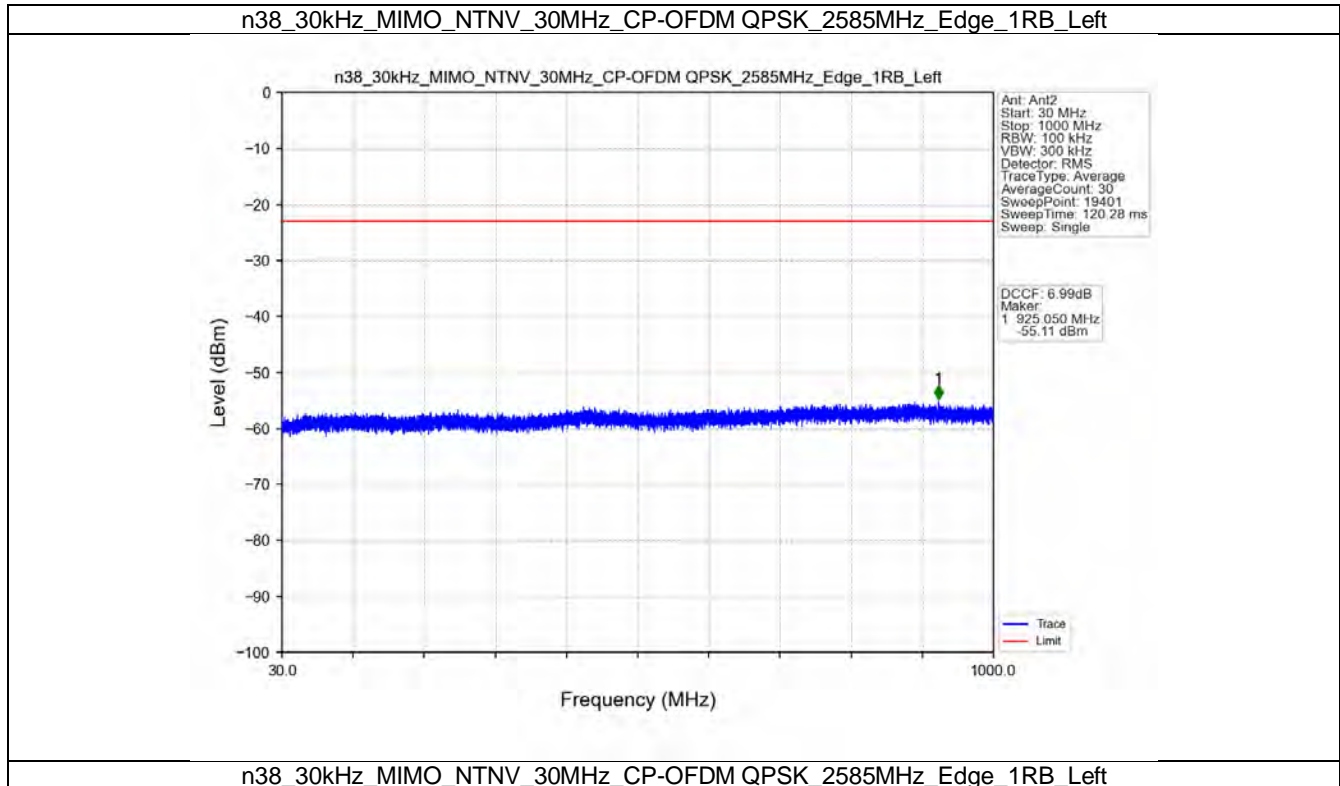


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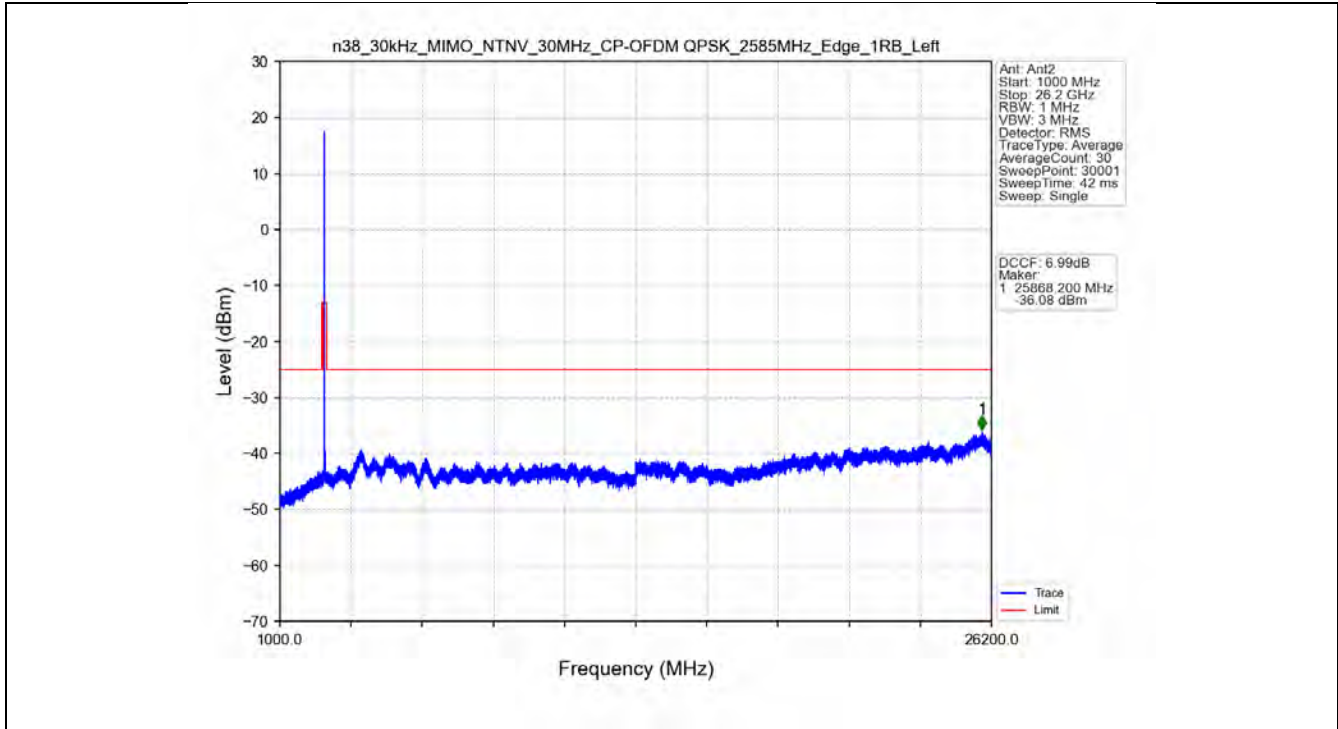


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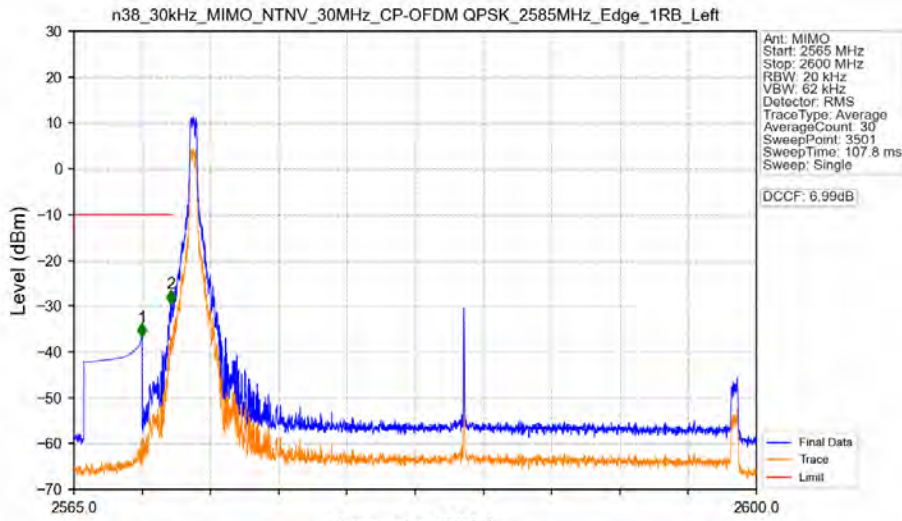
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2569	1	CHP	1	2568.490	-36.90	-10	Pass
2569	2570	0.02	/	2	2569.960	-29.55	-10	Pass
2570	2600	0.02	/	/	/	/	/	/

n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Edge\_1RB\_Left



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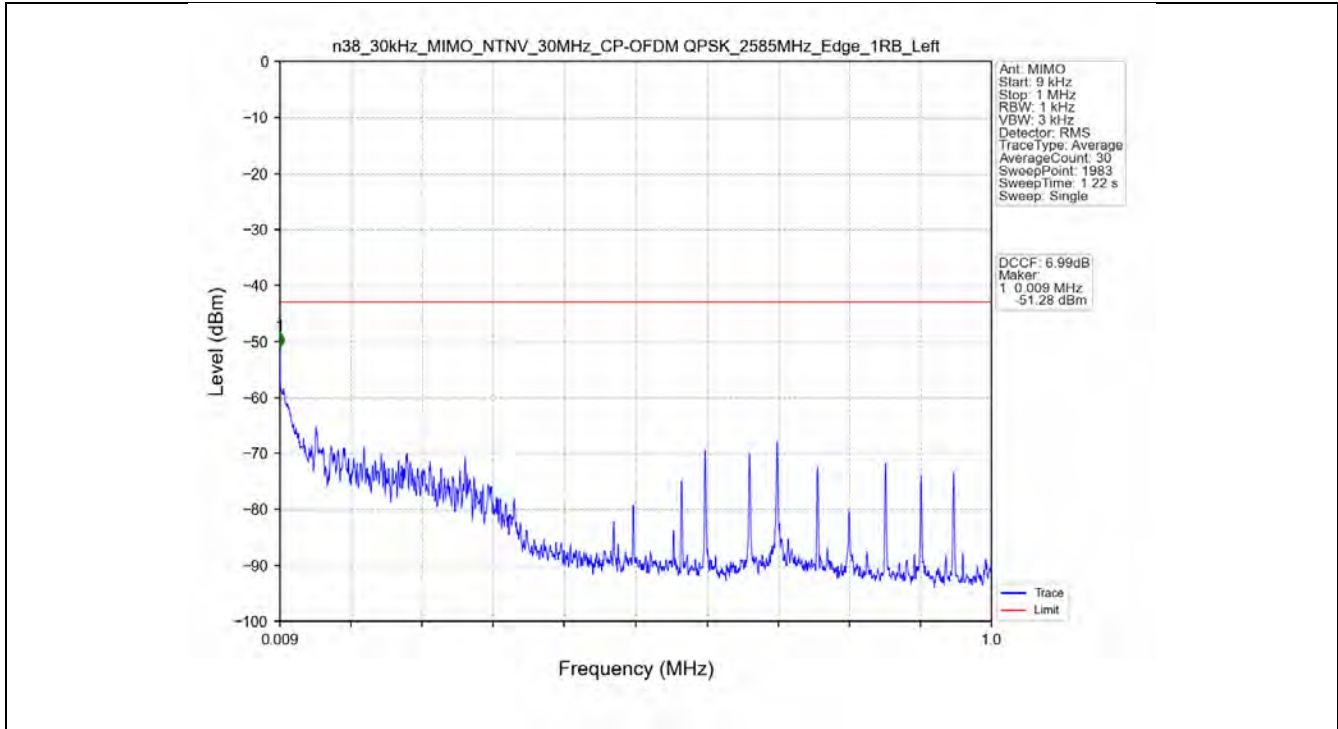


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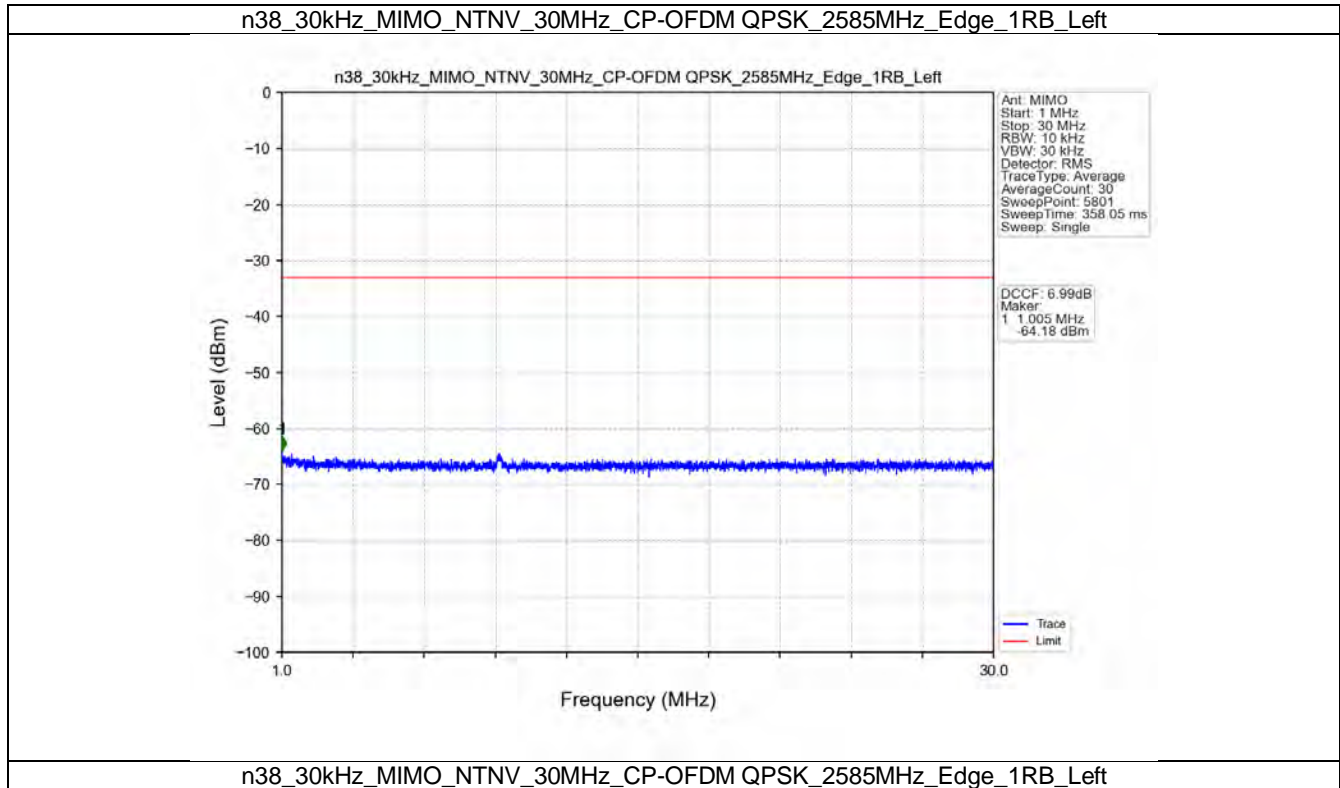


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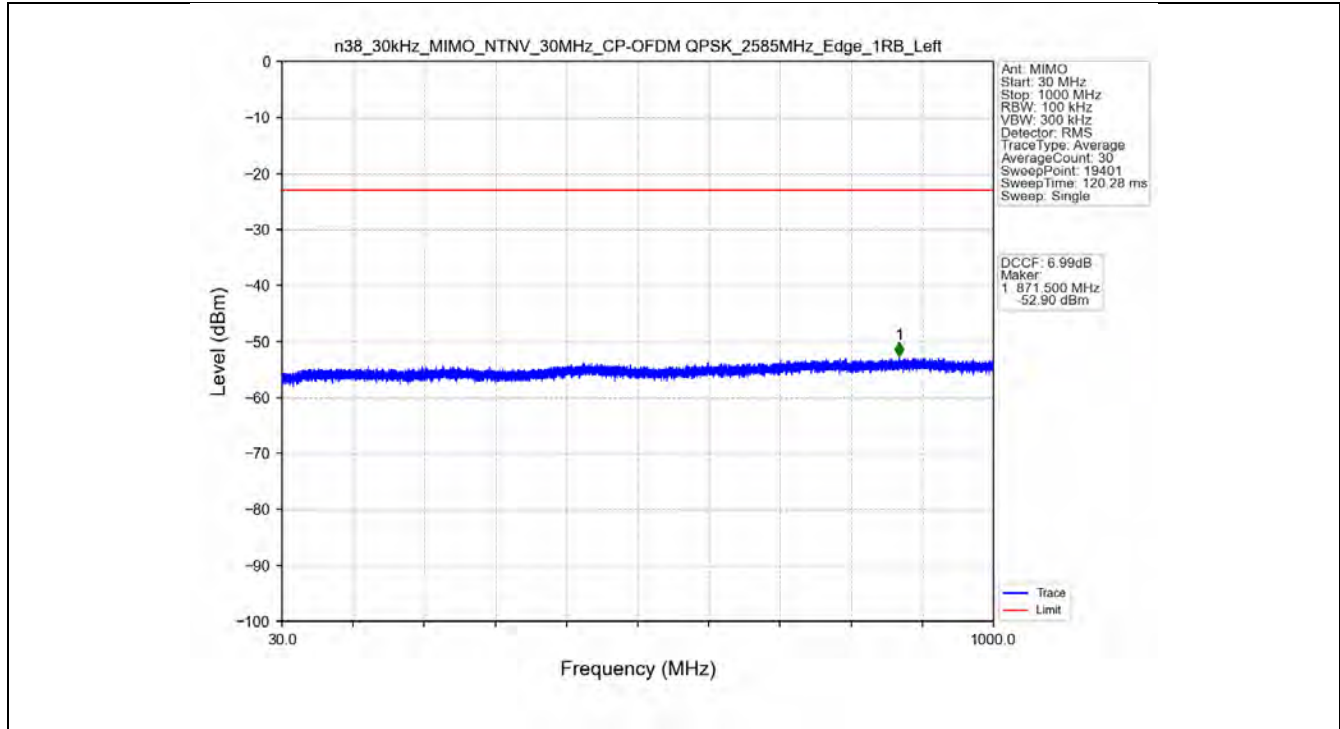


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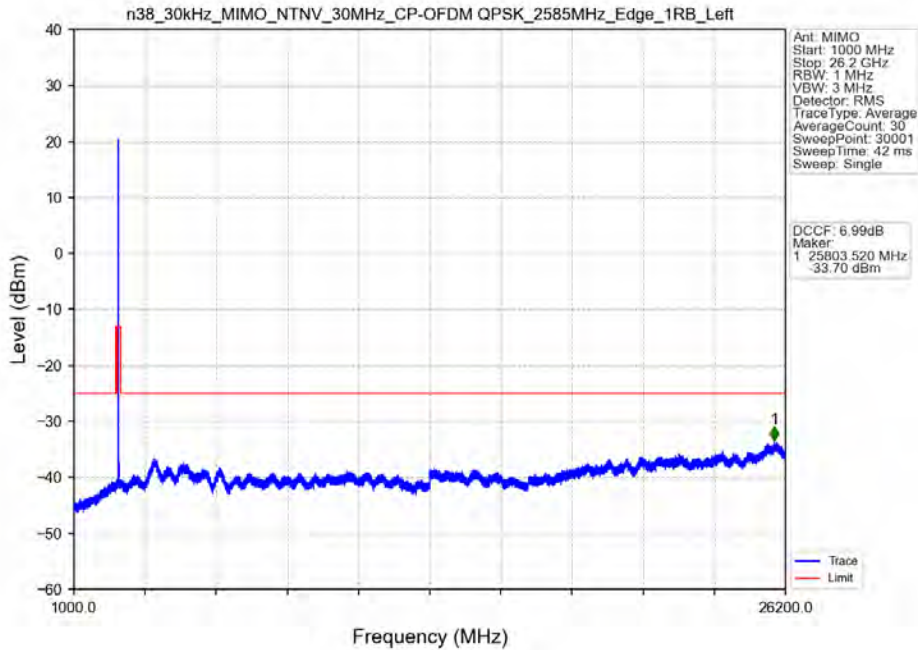
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Outer\_Full



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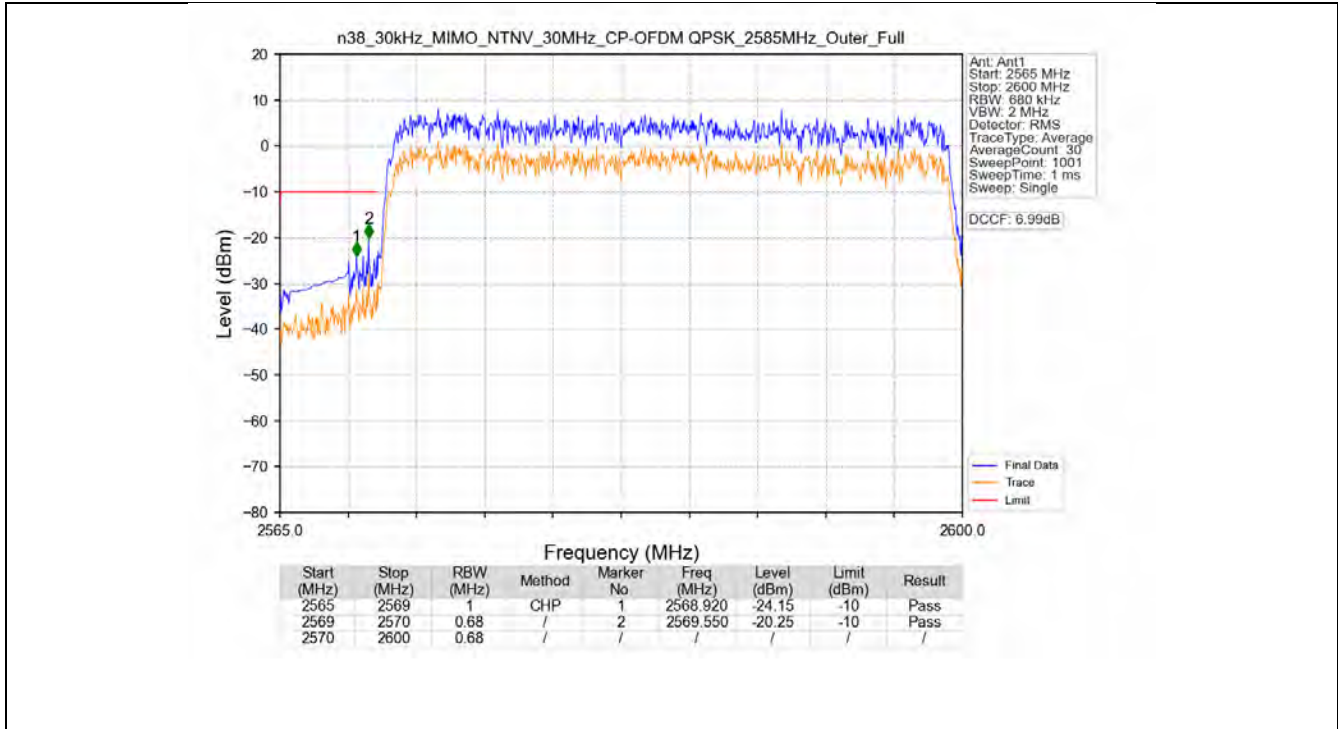


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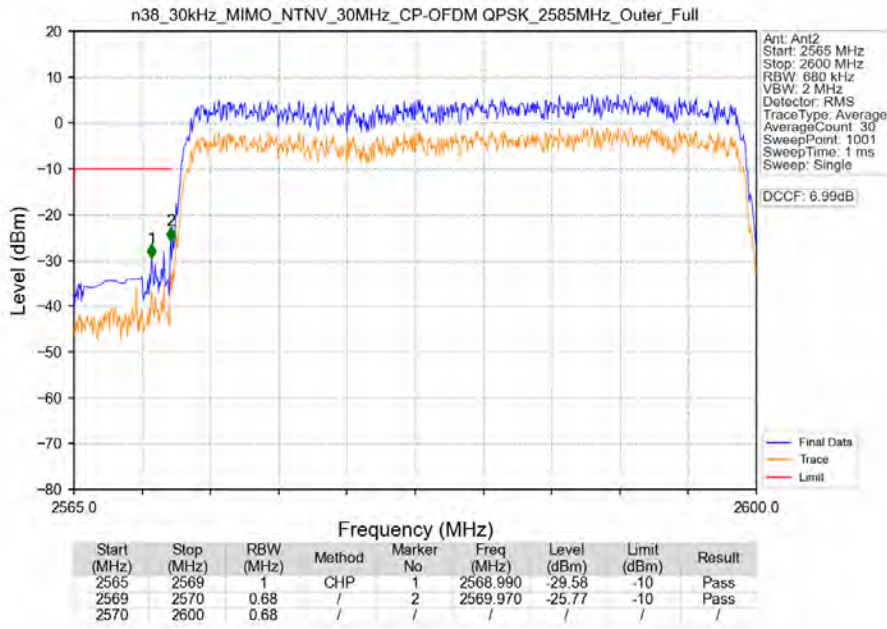
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Outer\_Full



n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Outer\_Full



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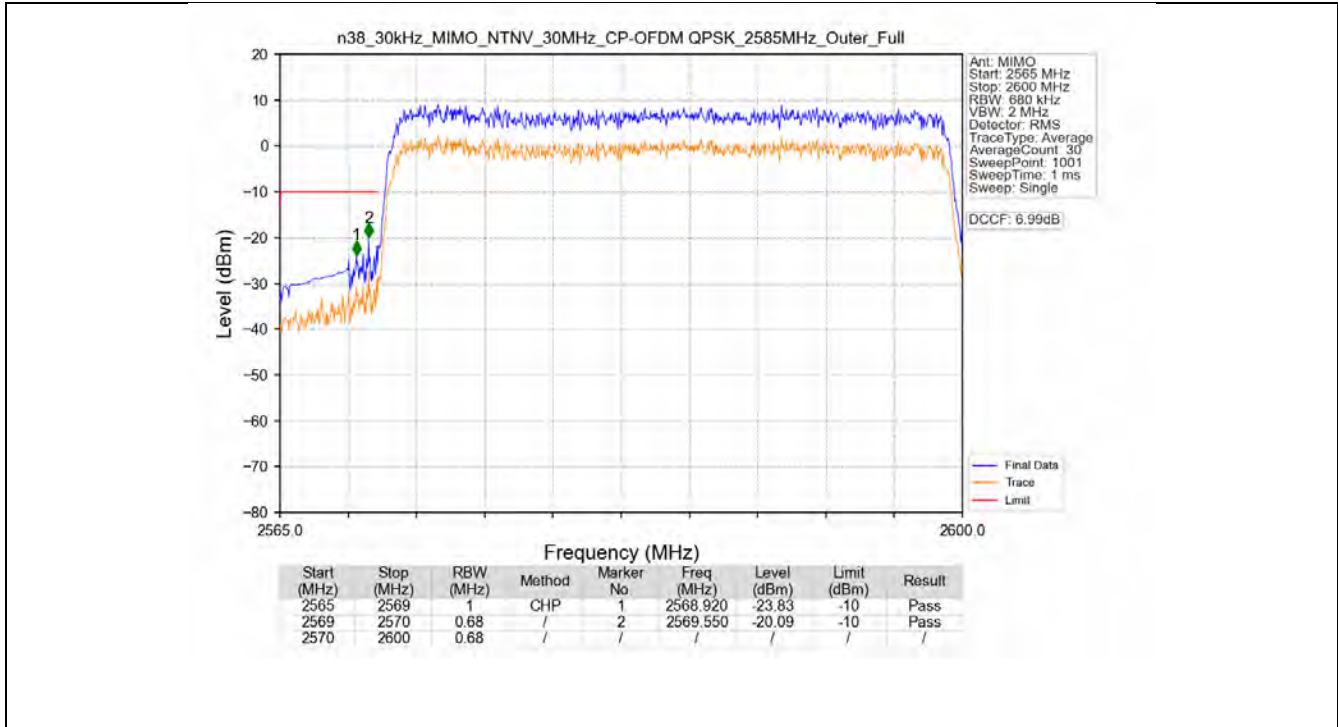


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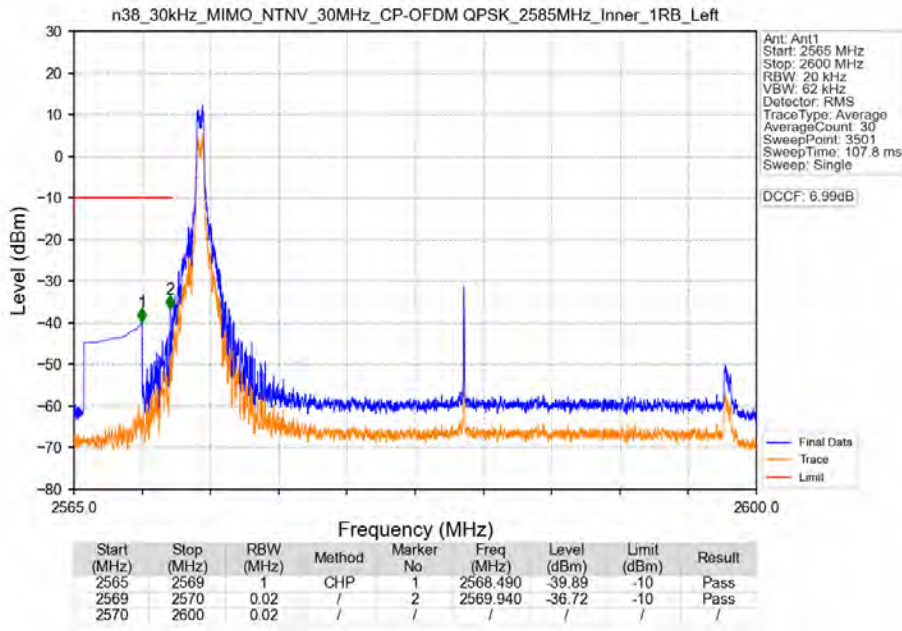
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Inner\_1RB\_Left



n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2585MHz\_Inner\_1RB\_Left



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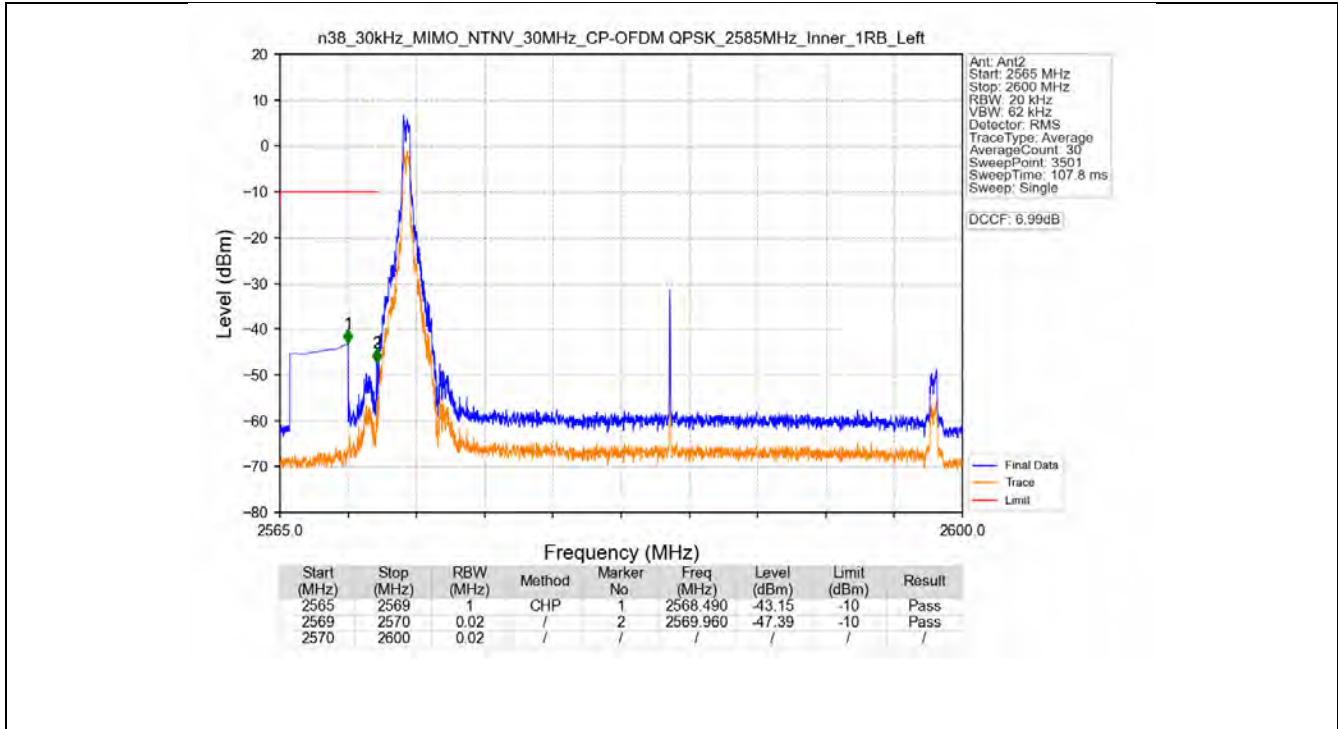


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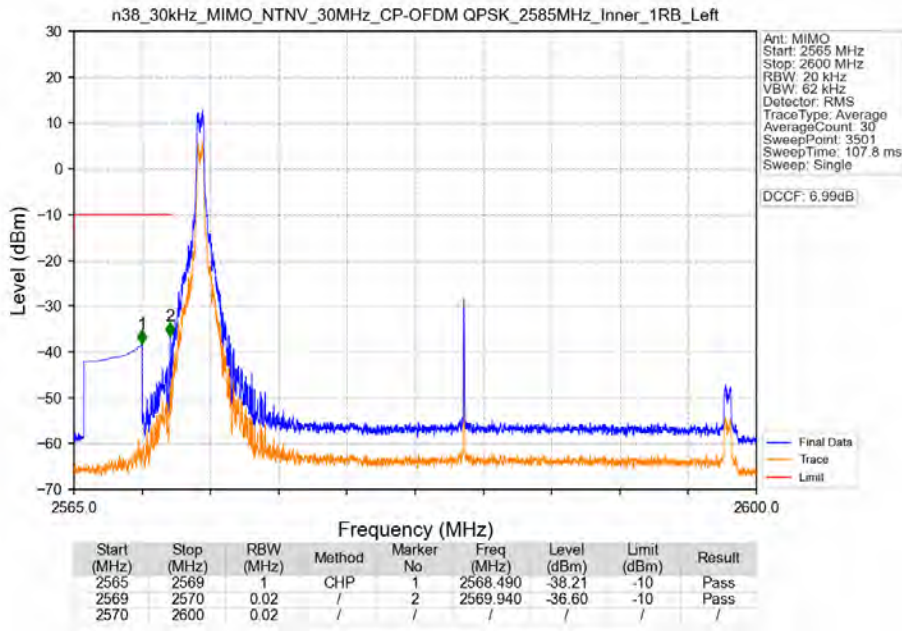
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2605MHz\_Edge\_1RB\_Right



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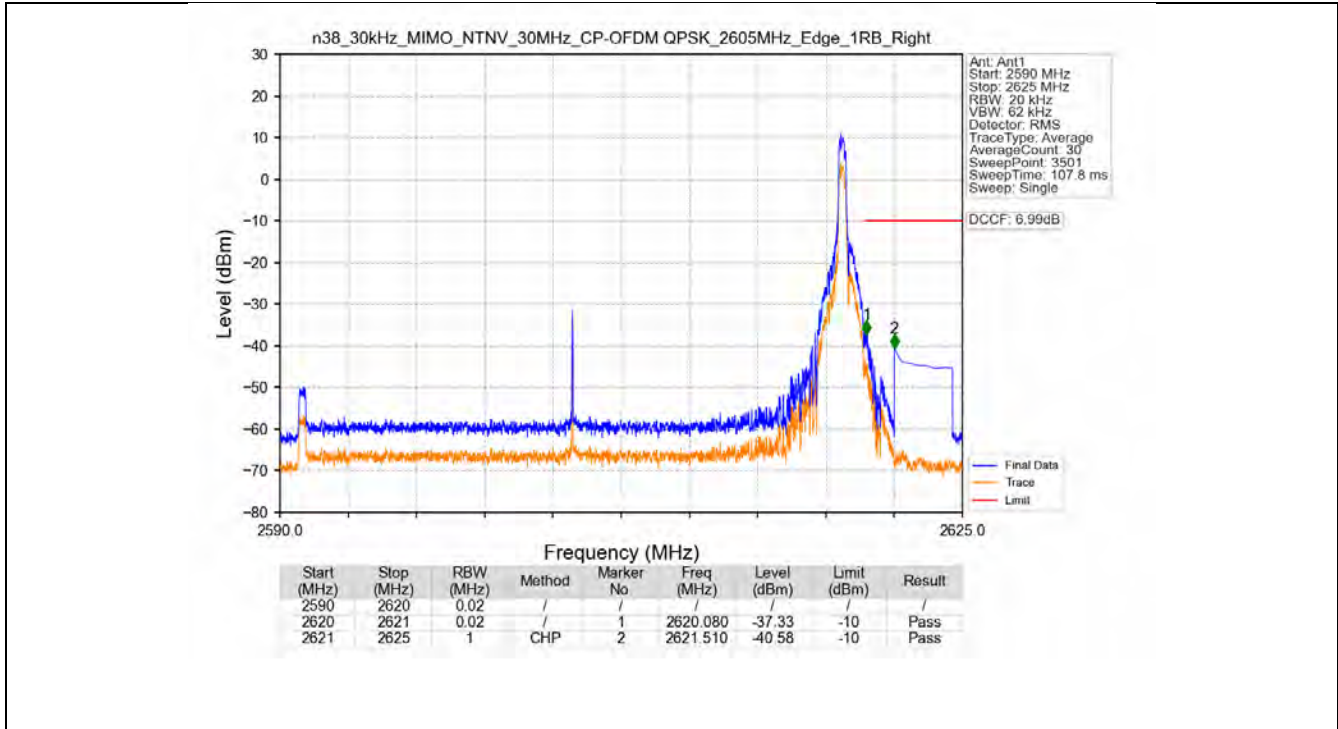


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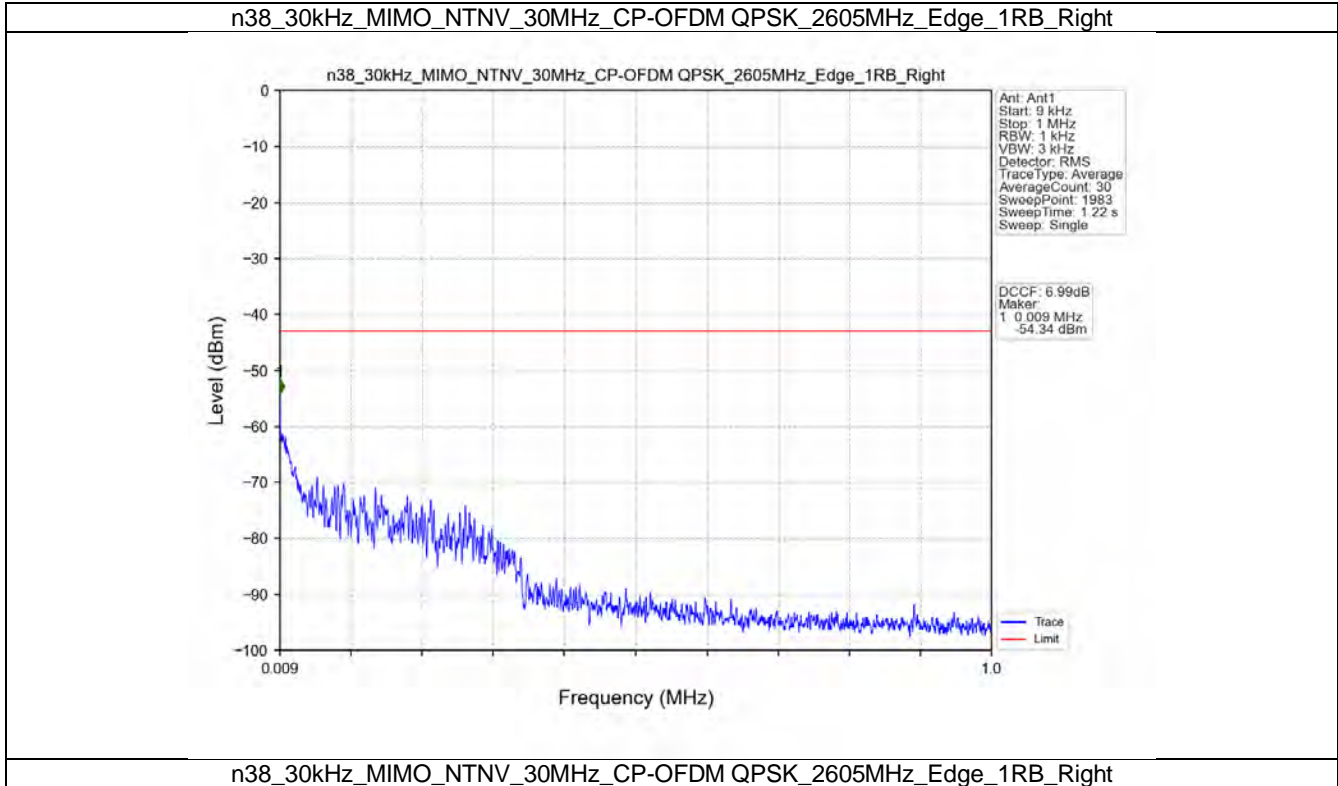


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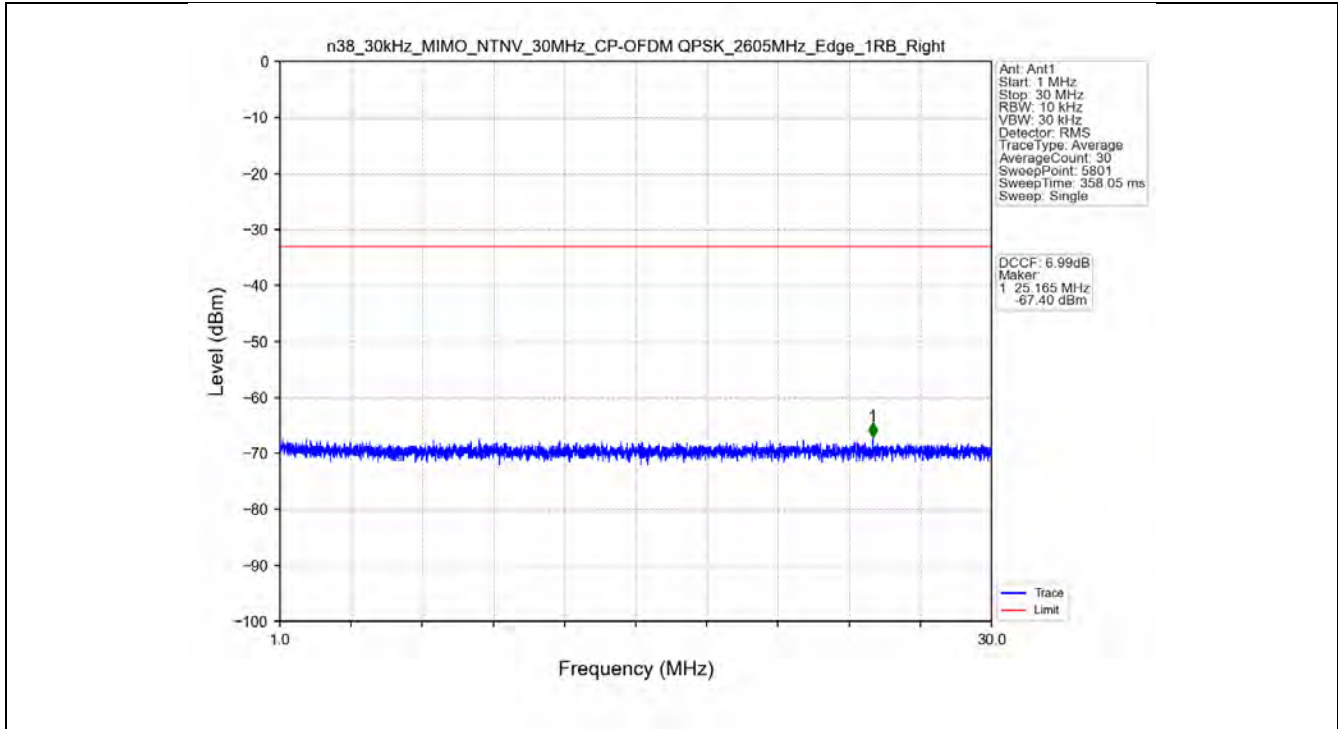


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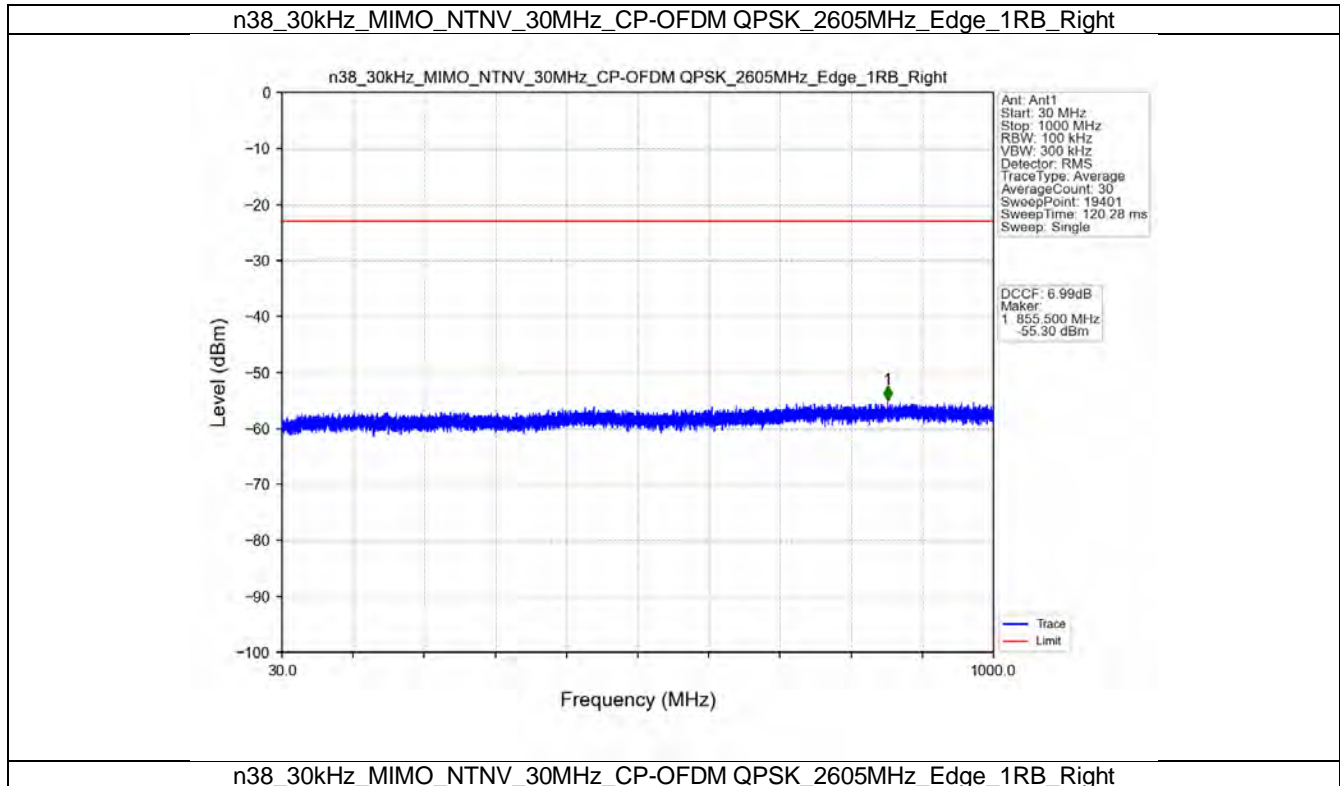


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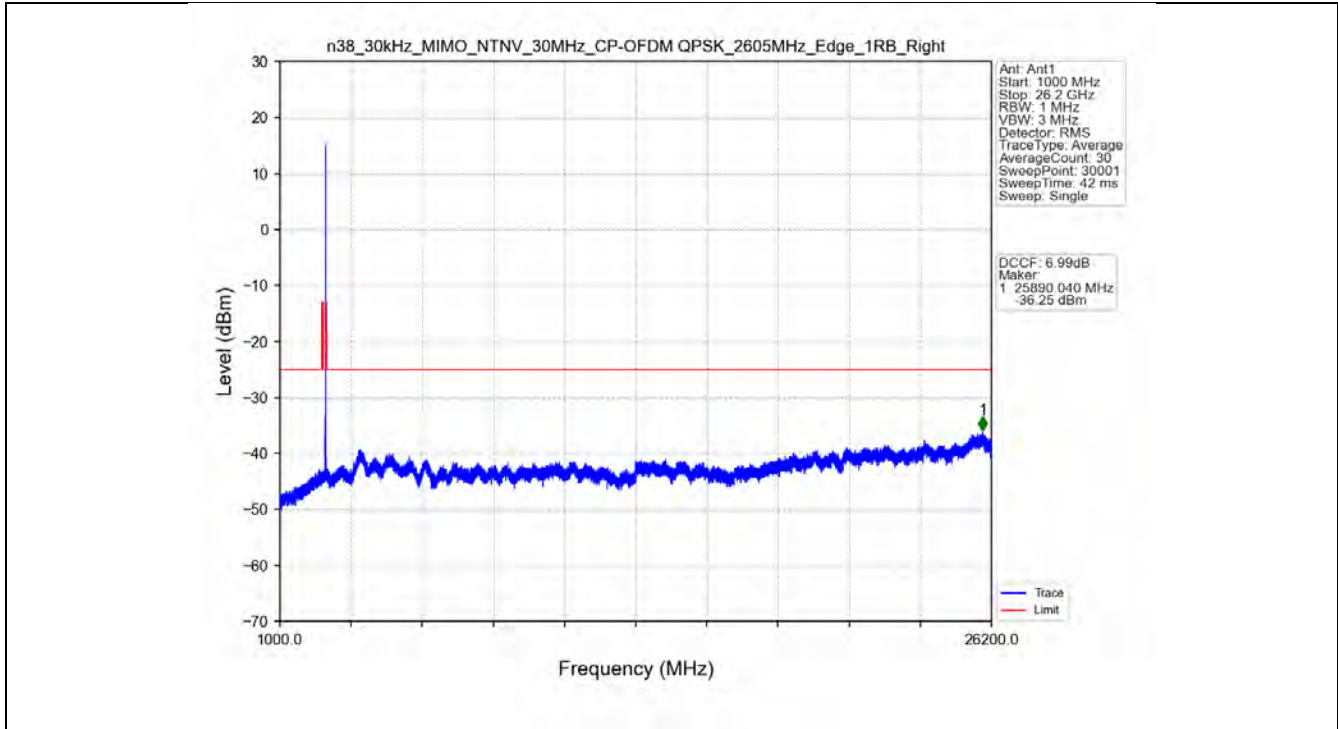


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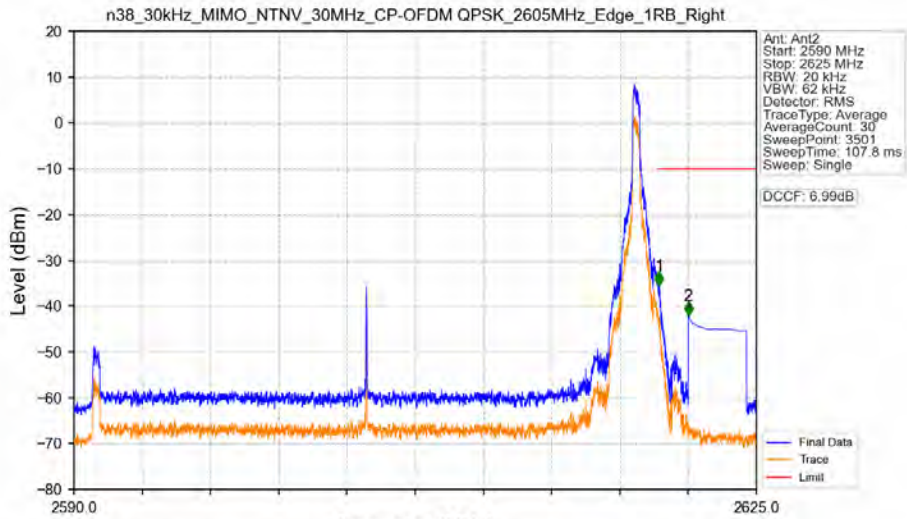
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2605MHz\_Edge\_1RB\_Right



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	-35.56	-10	Pass
2621	2625	1	CHP	2	2621.510	-42.10	-10	Pass

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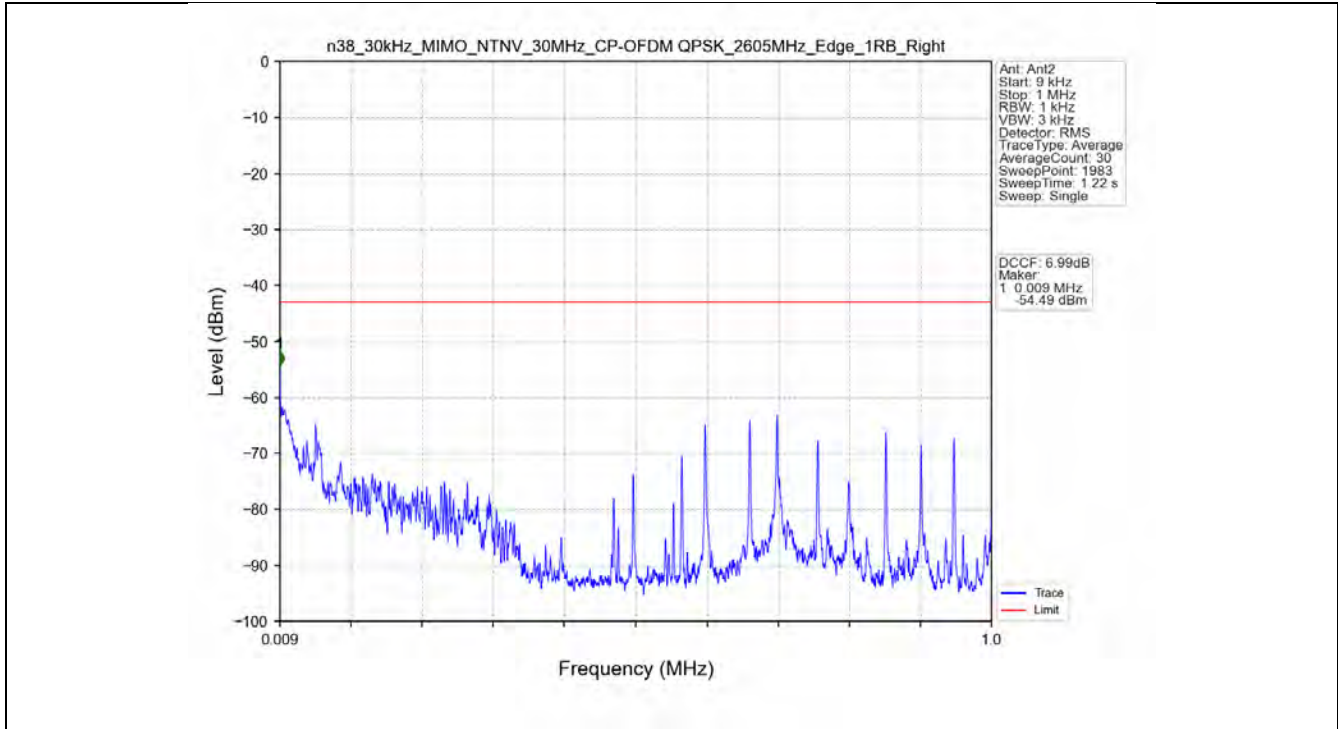


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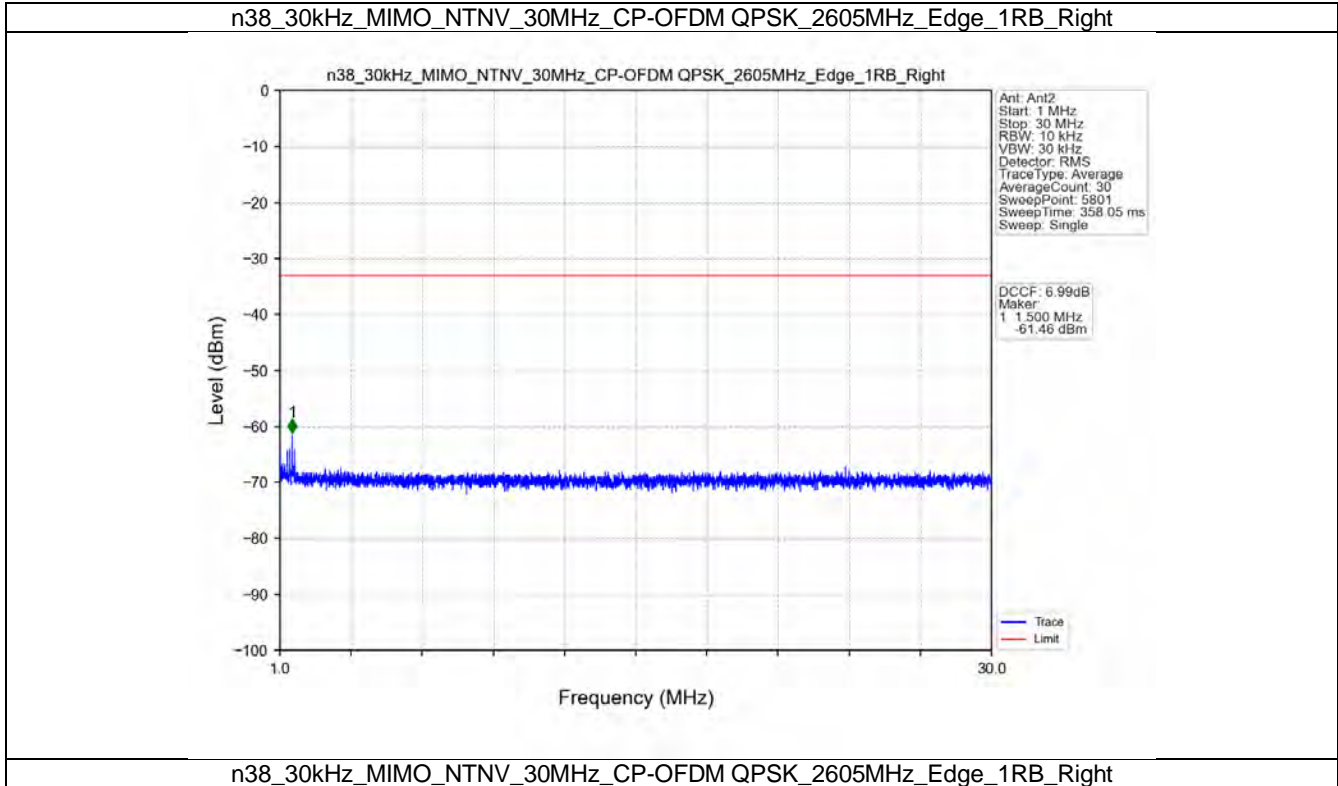


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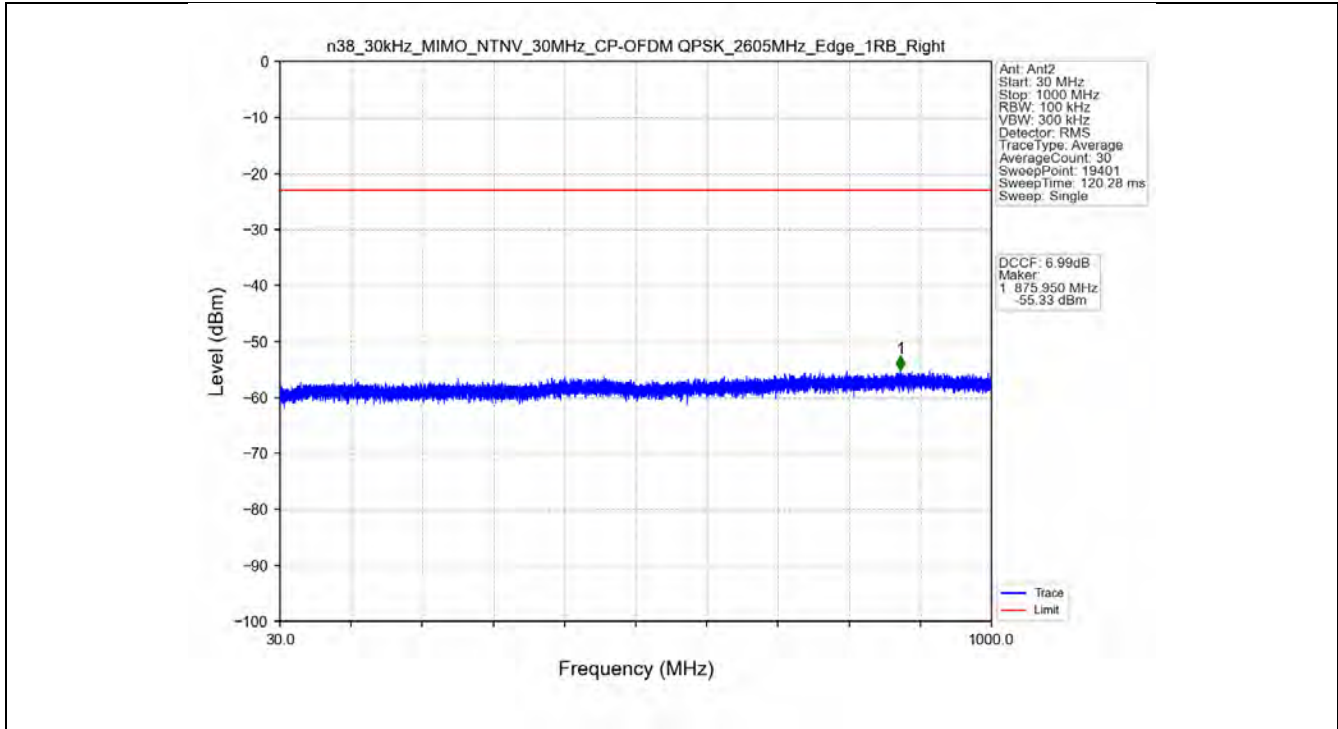


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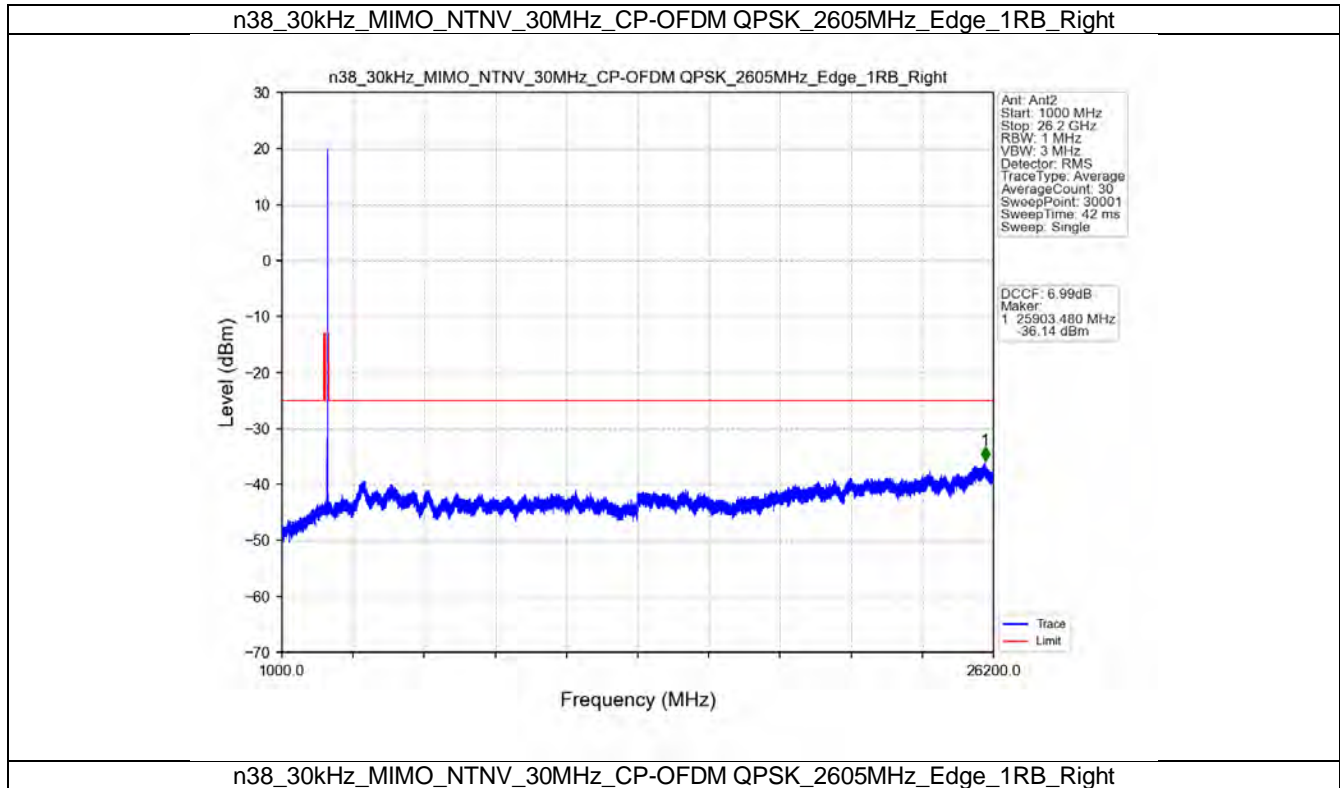


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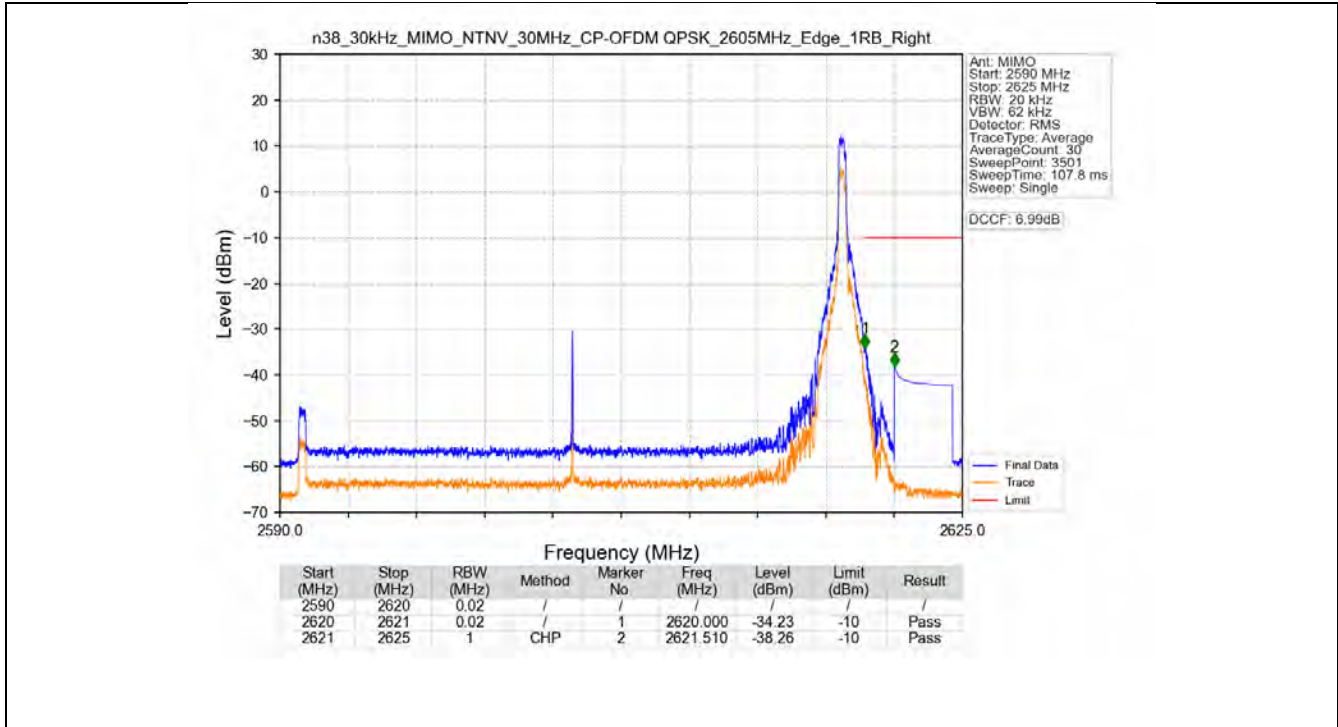


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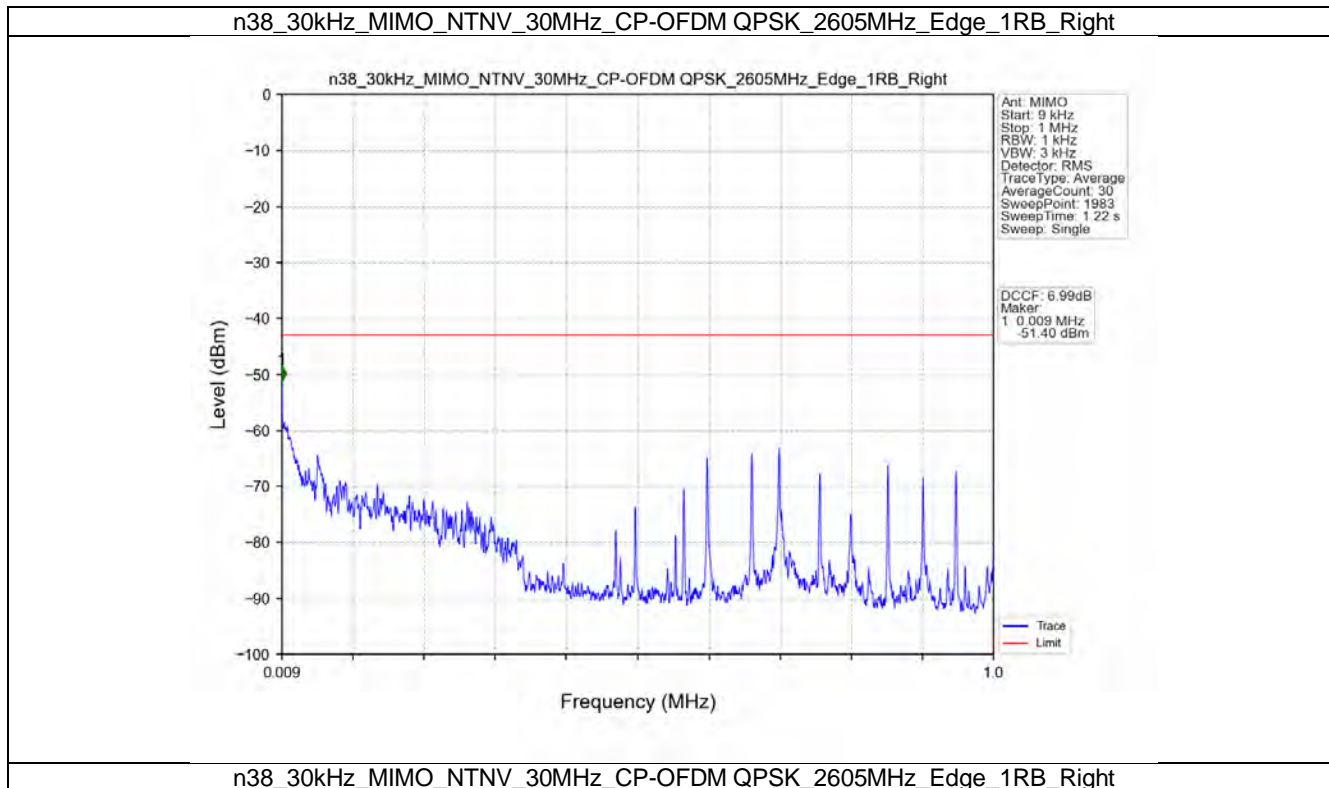
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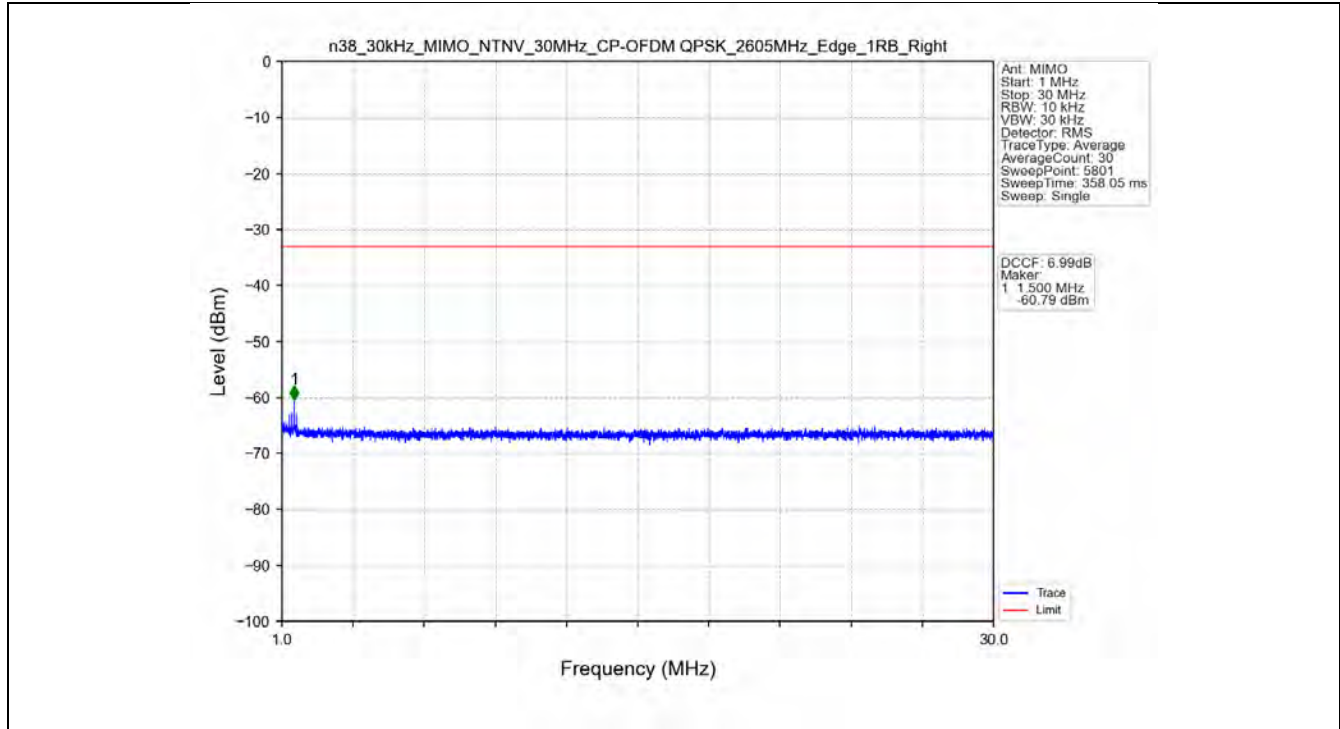


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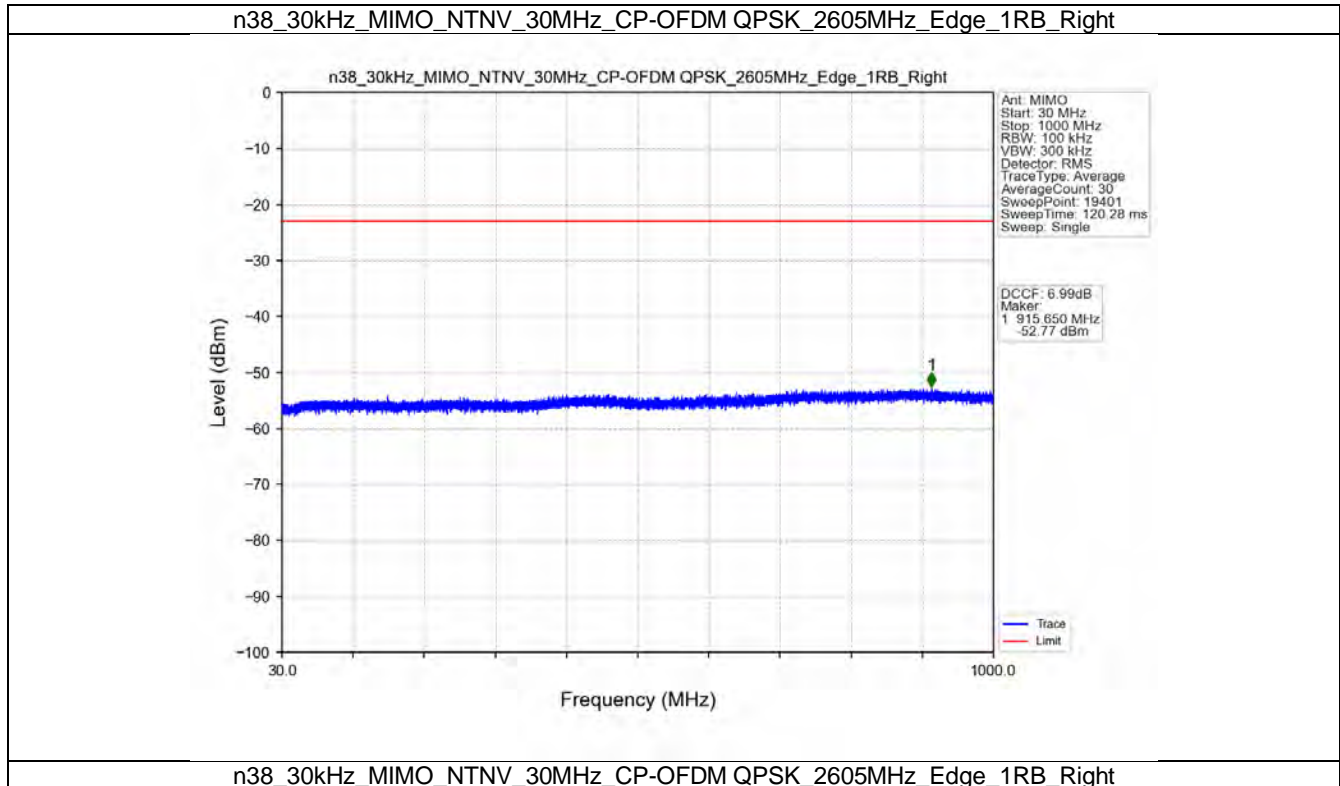


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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_2605MHz\_Edge\_1RB\_Right



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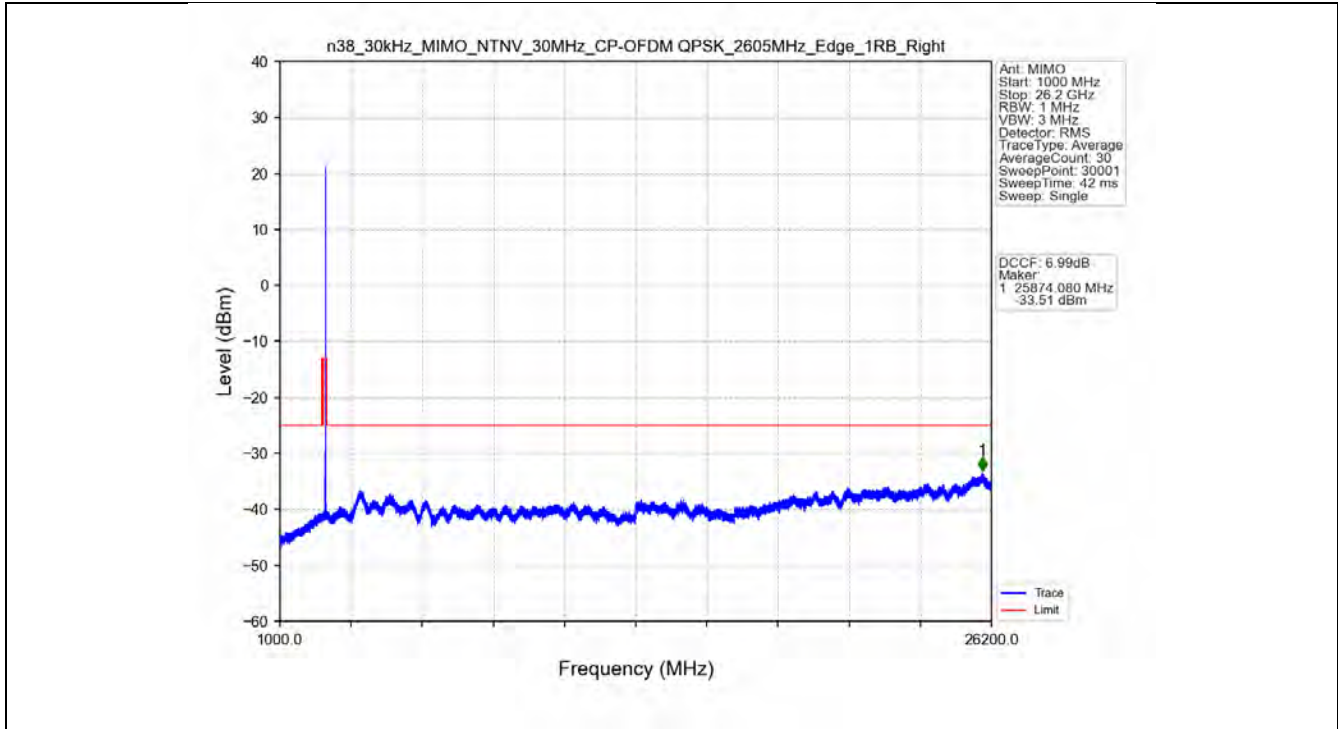


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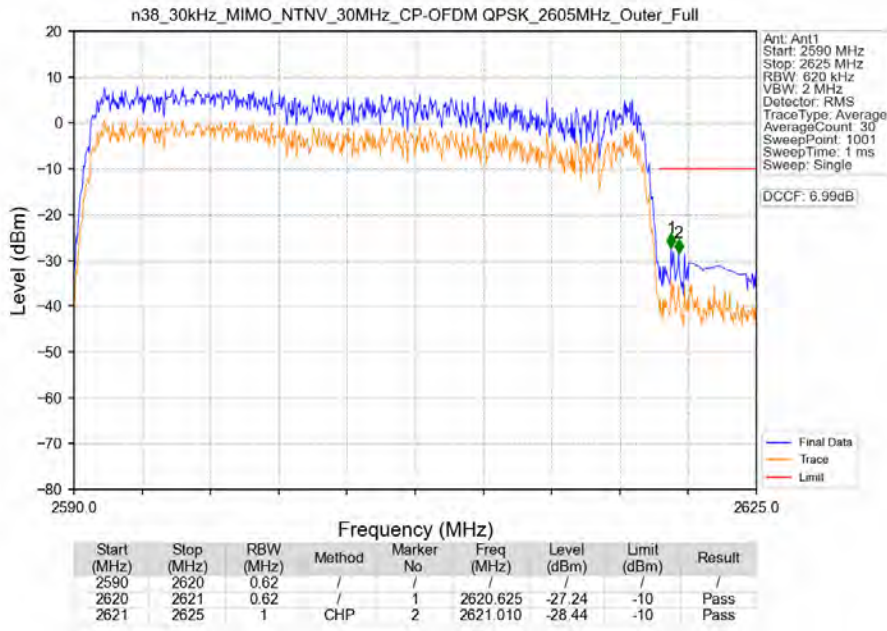
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2605MHz\_Outer\_Full



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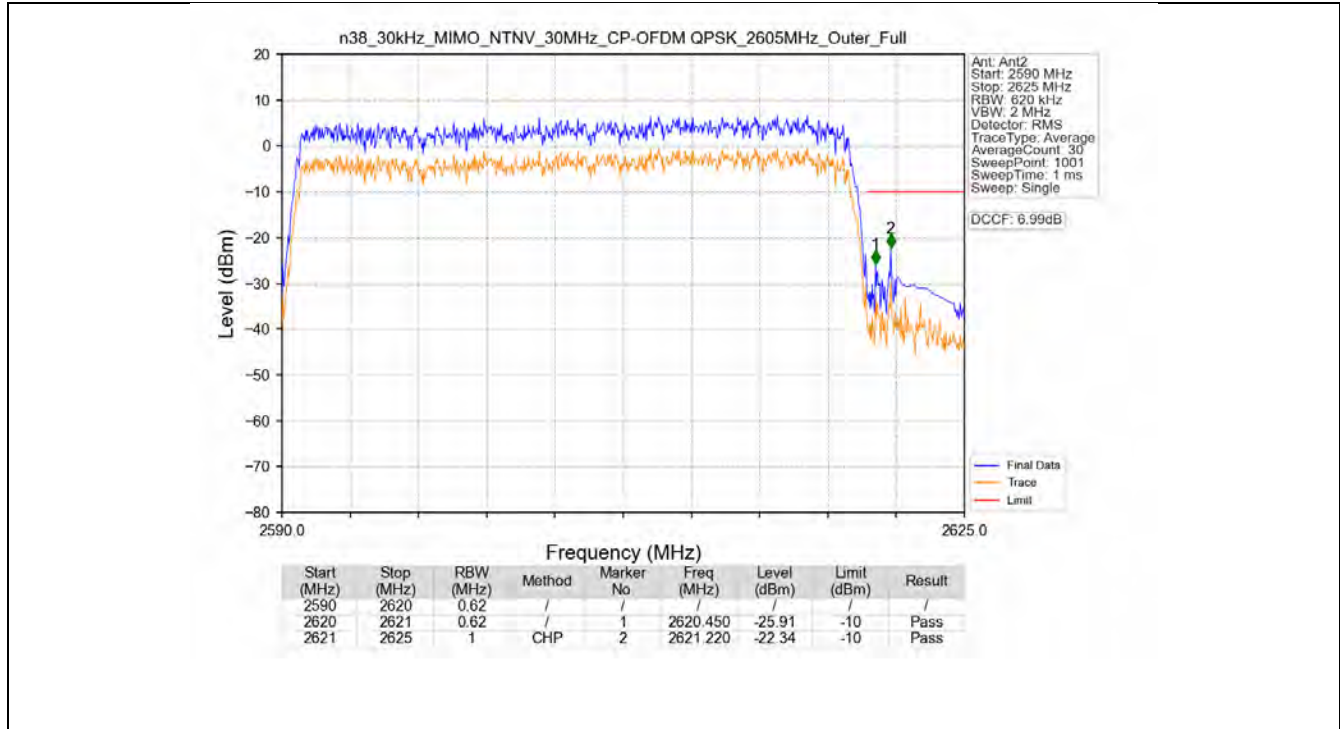


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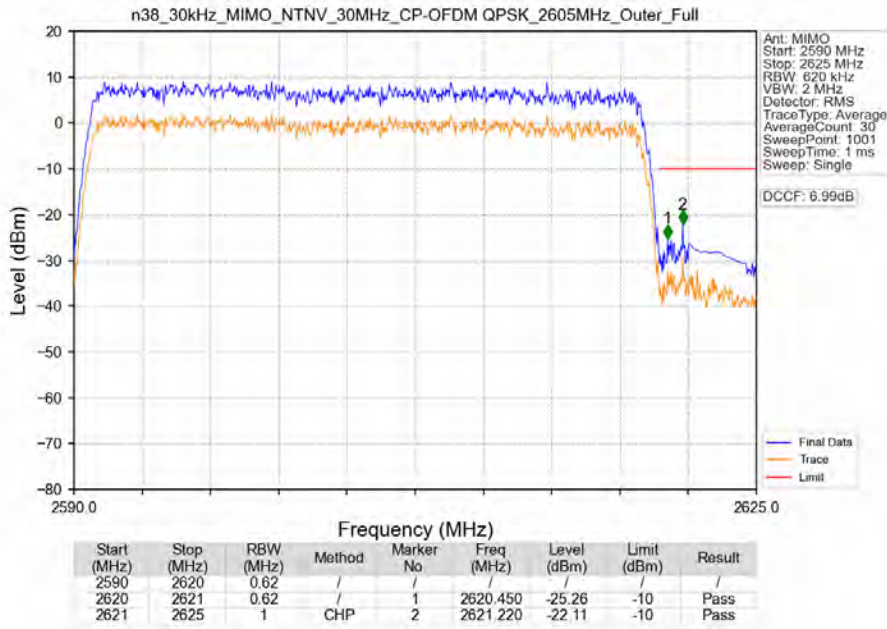
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2605MHz\_Outer\_Full



n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2605MHz\_Inner\_1RB\_Right



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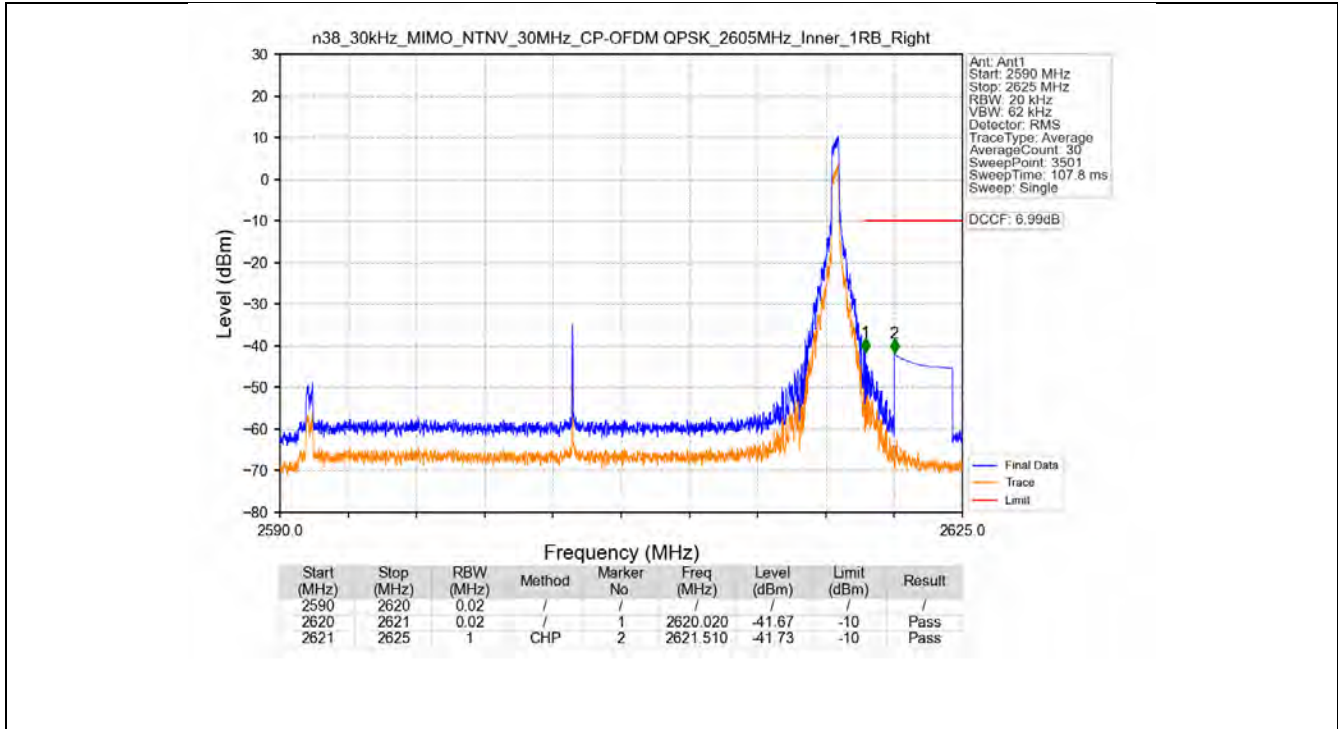


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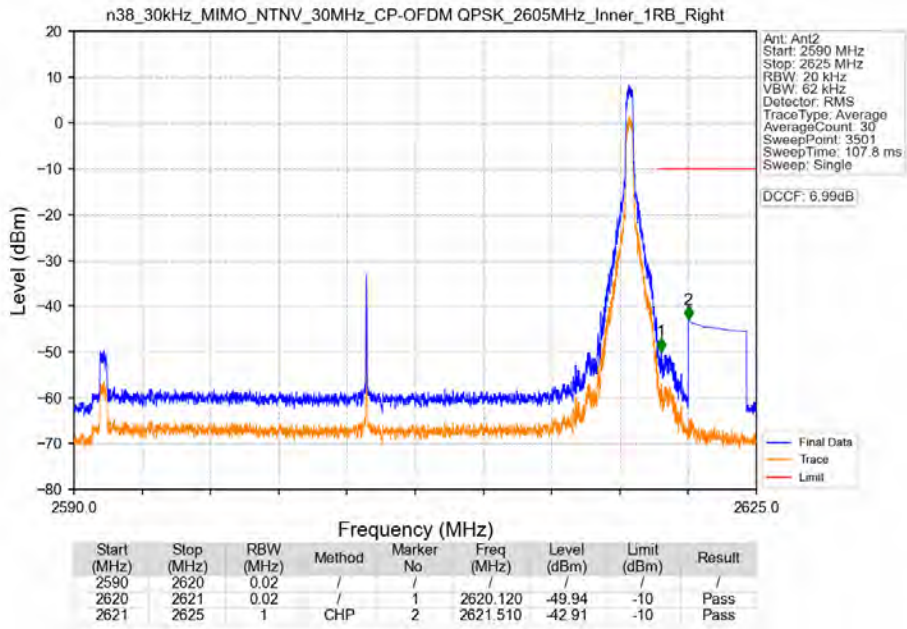
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n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2605MHz\_Inner\_1RB\_Right



n38\_30kHz\_MIMO\_NTNV\_30MHz\_CP-OFDM QPSK\_2605MHz\_Inner\_1RB\_Right



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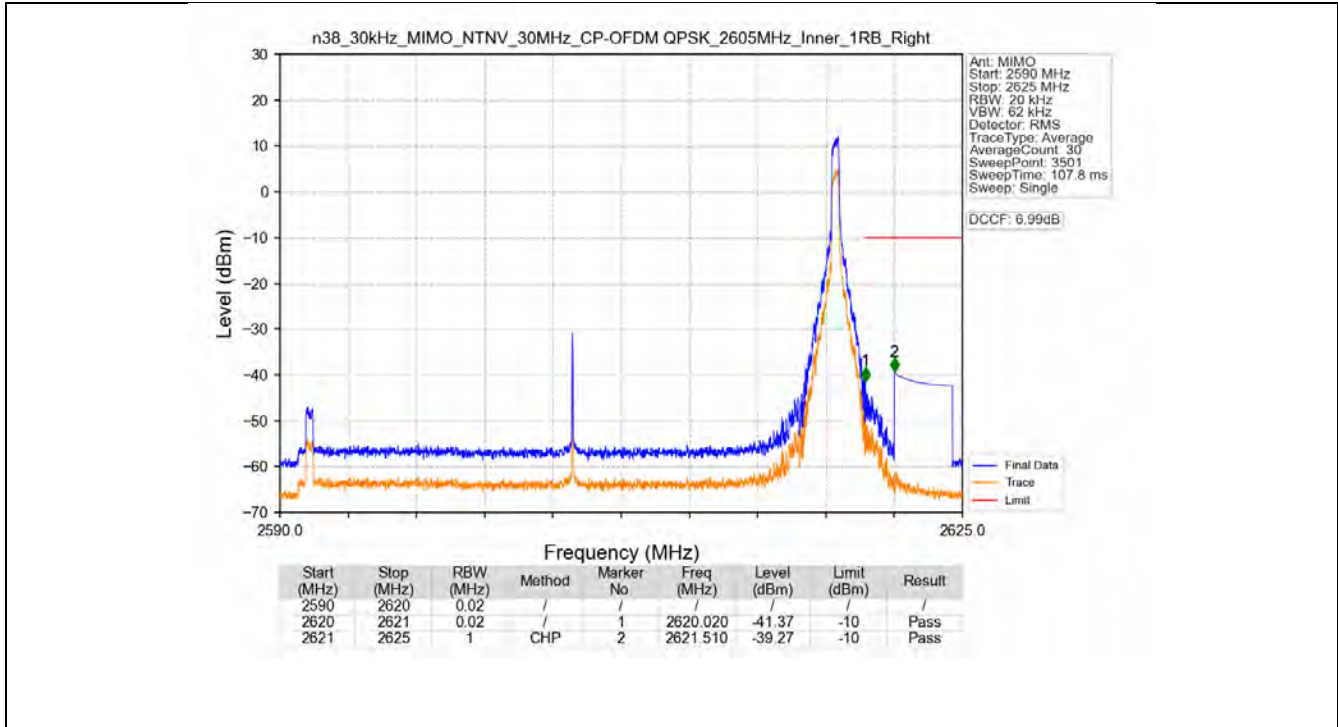


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## 5.6 30k\_MIMO\_40MHz\_NTNV

### 5.6.1 Test Result

5G NR n38 SCS=30kHz MIMO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	2590	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	2600	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass



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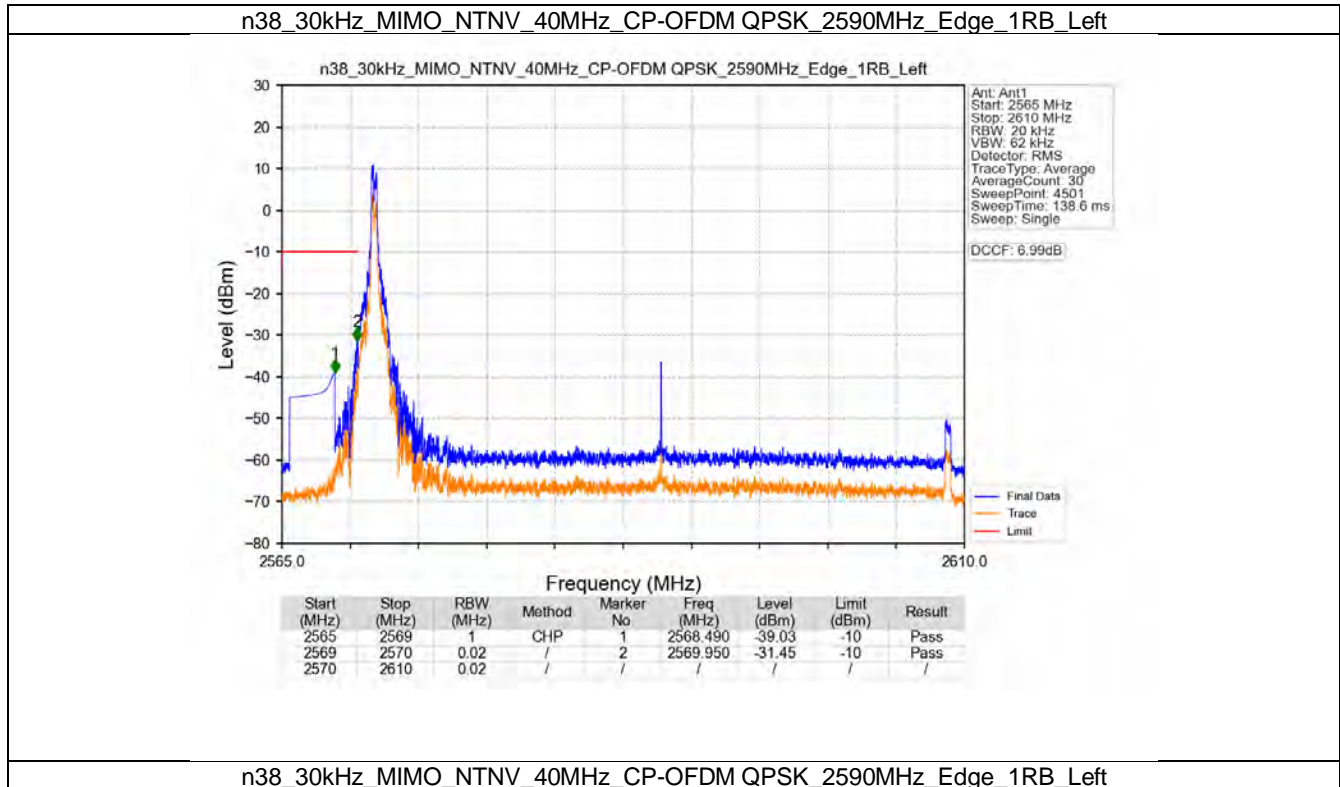
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5.6.2 Test Graph



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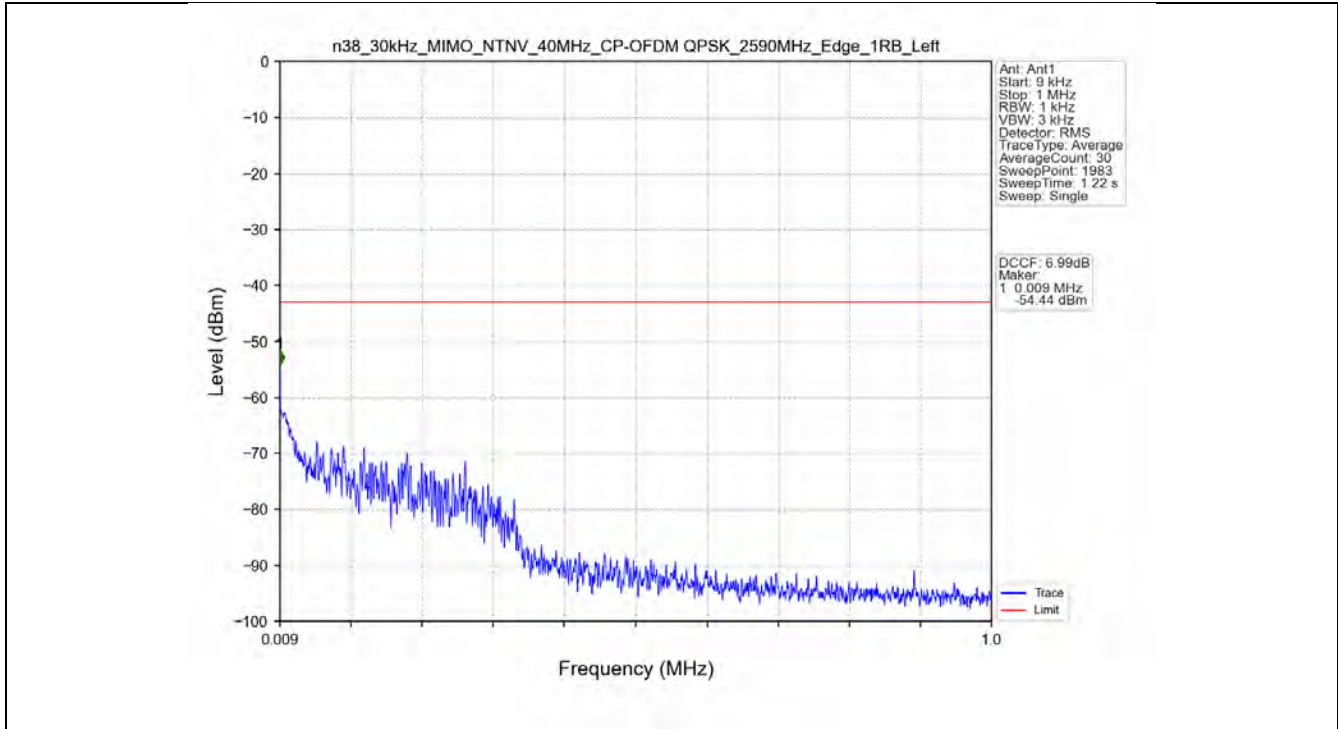


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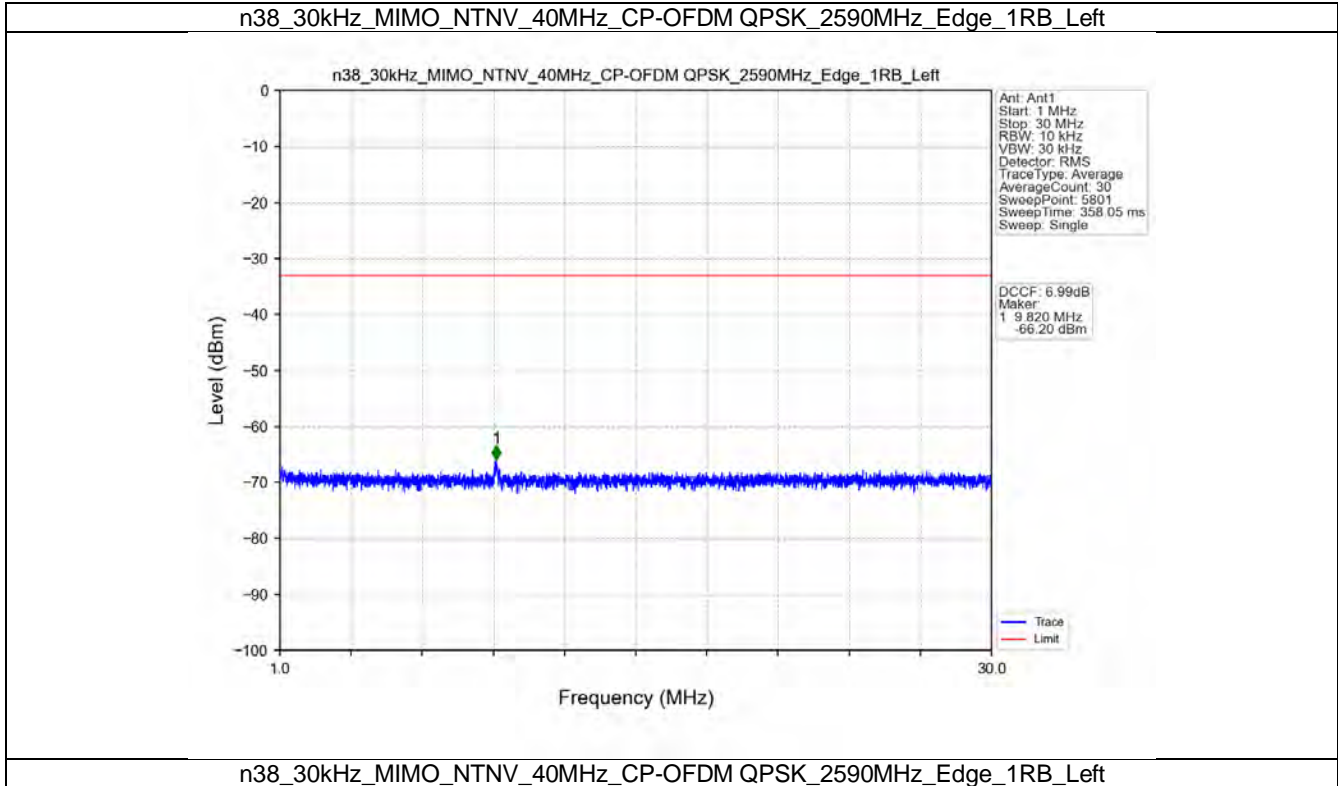


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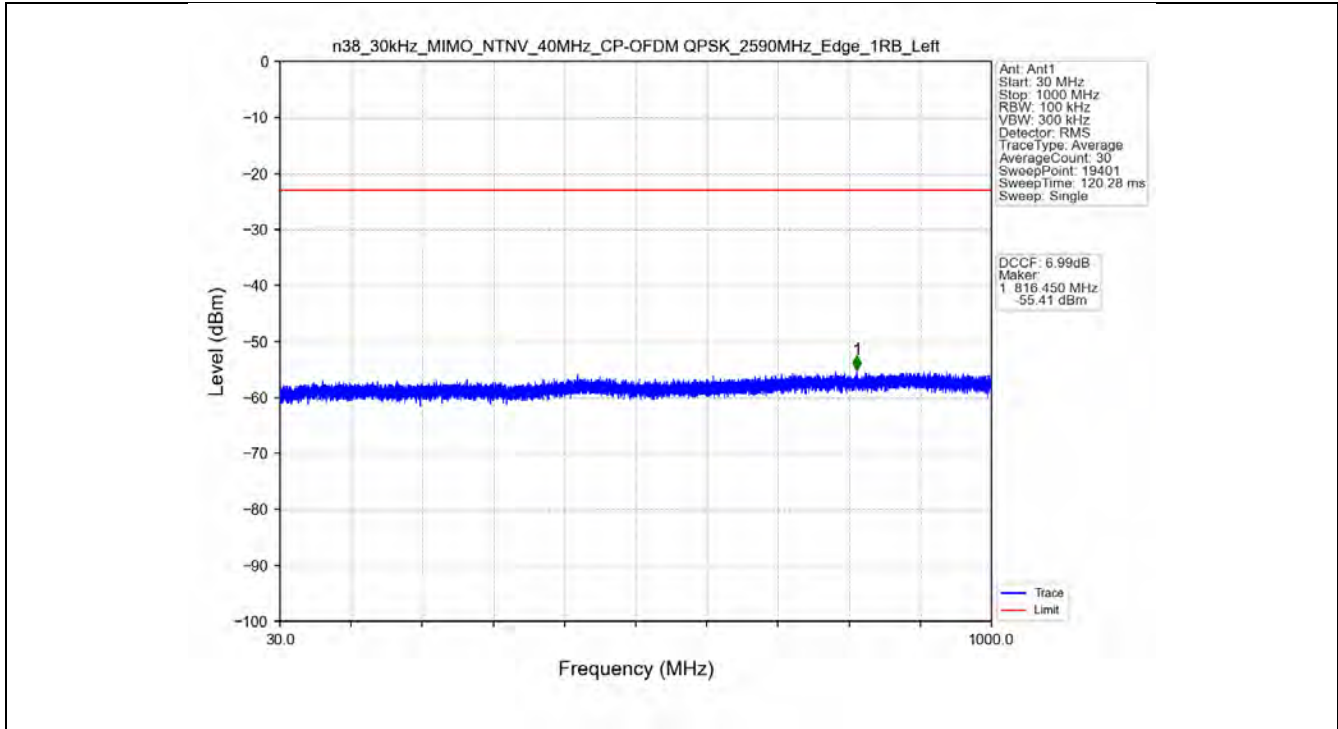


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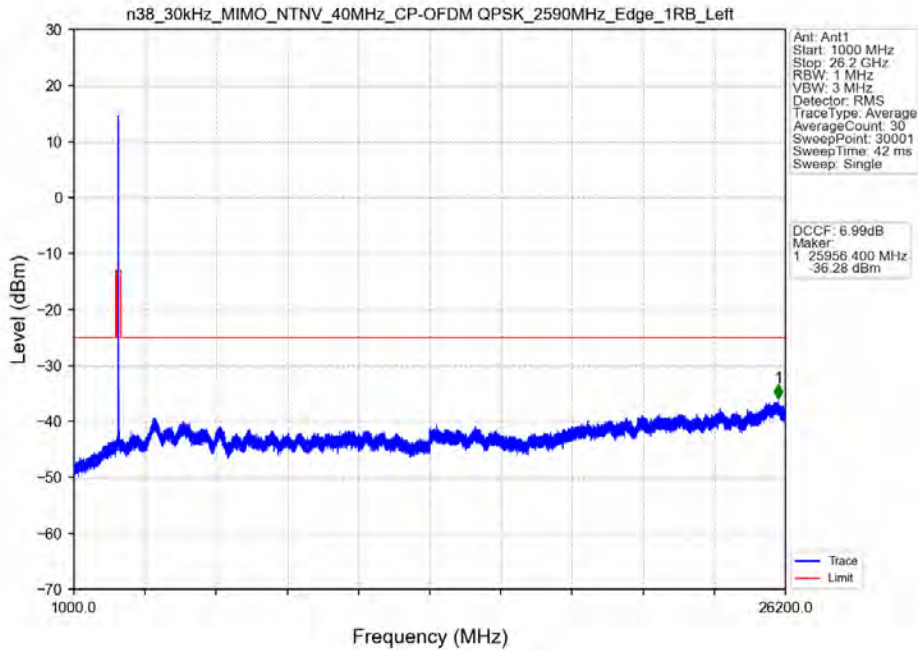
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n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2590MHz\_Edge\_1RB\_Left



n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2590MHz\_Edge\_1RB\_Left



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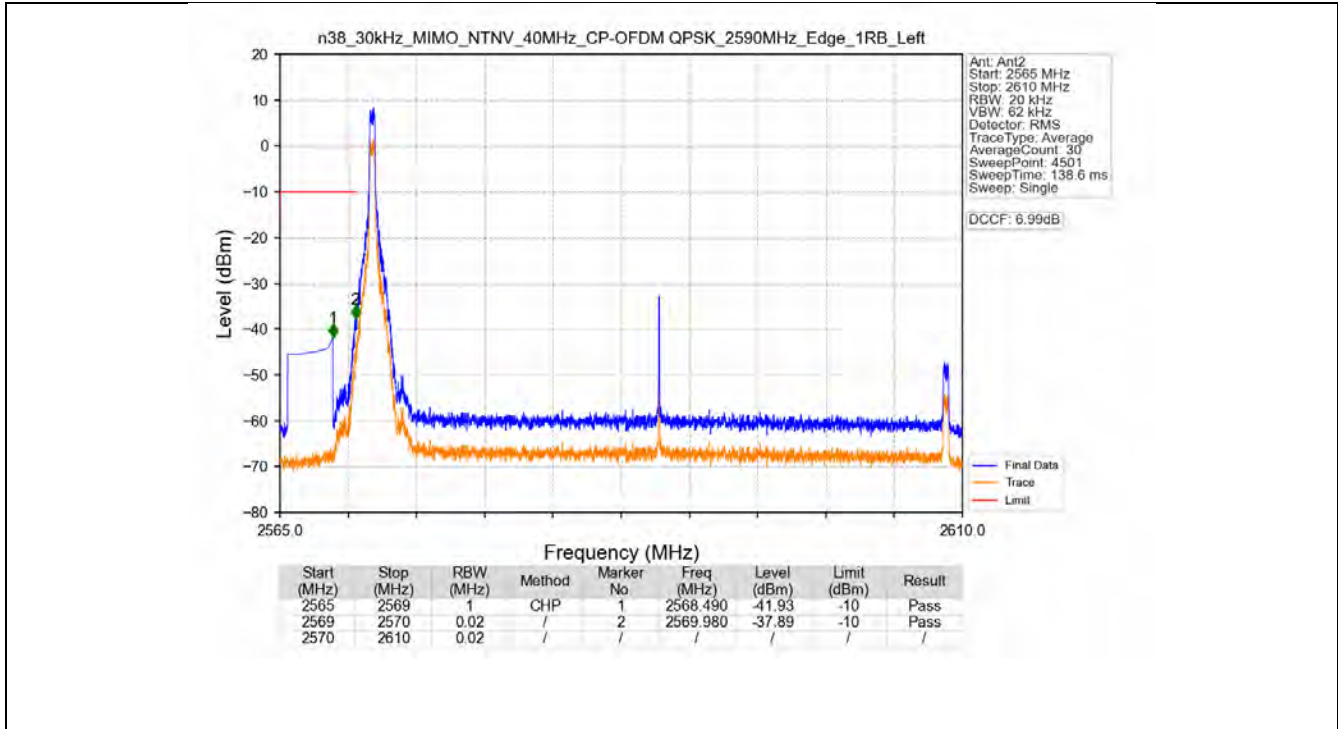


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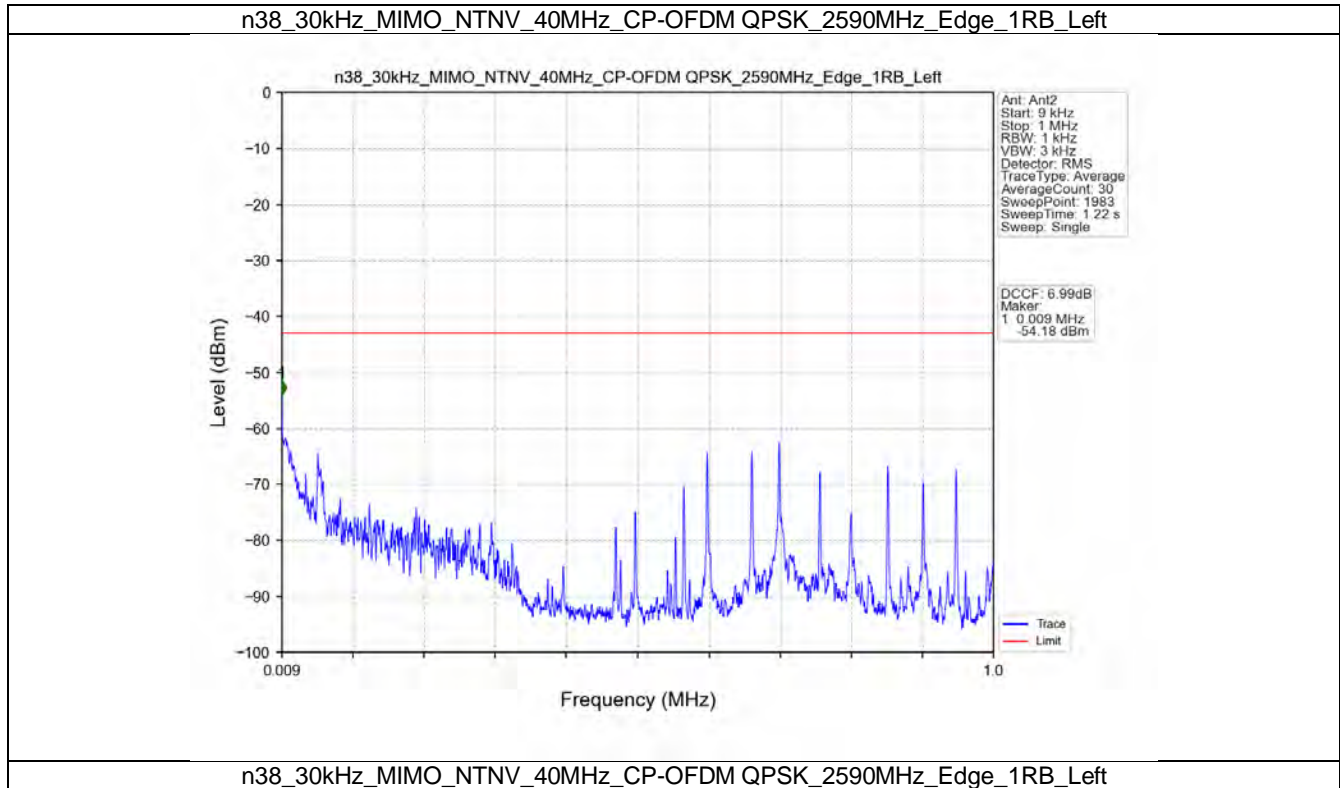


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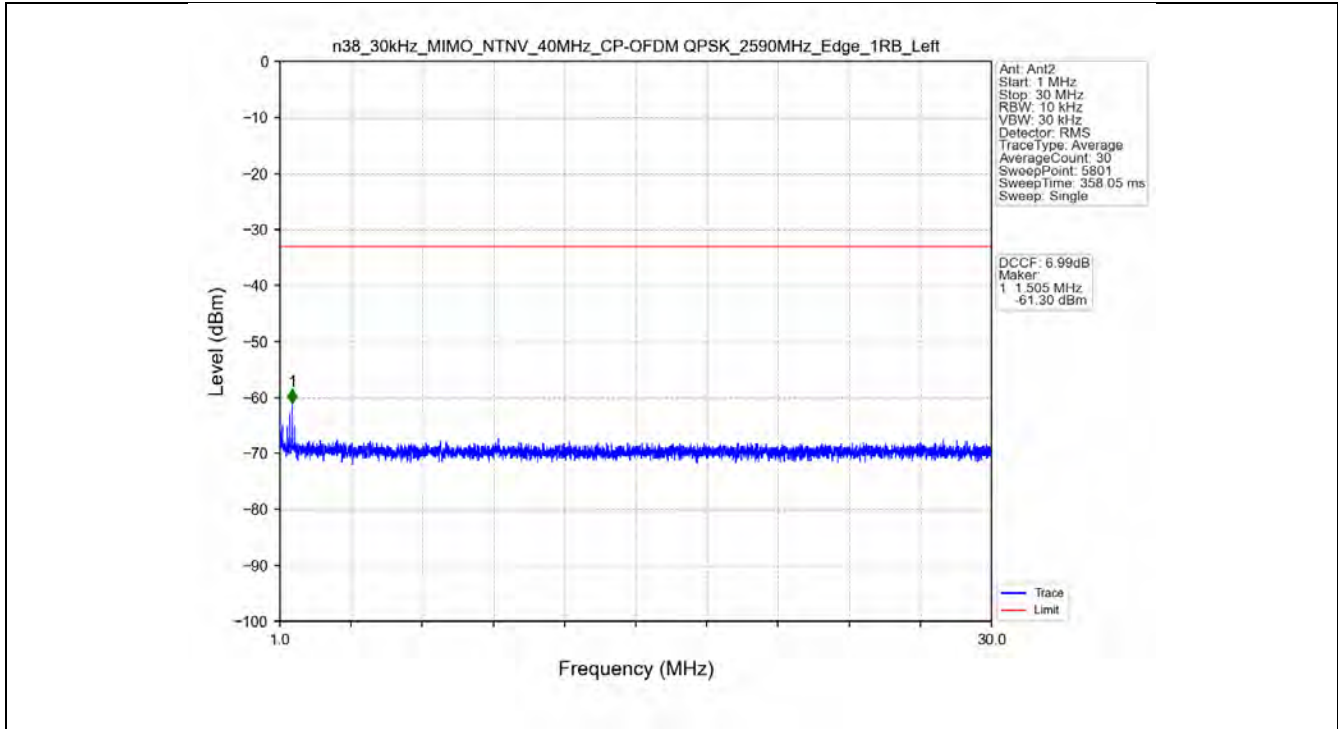


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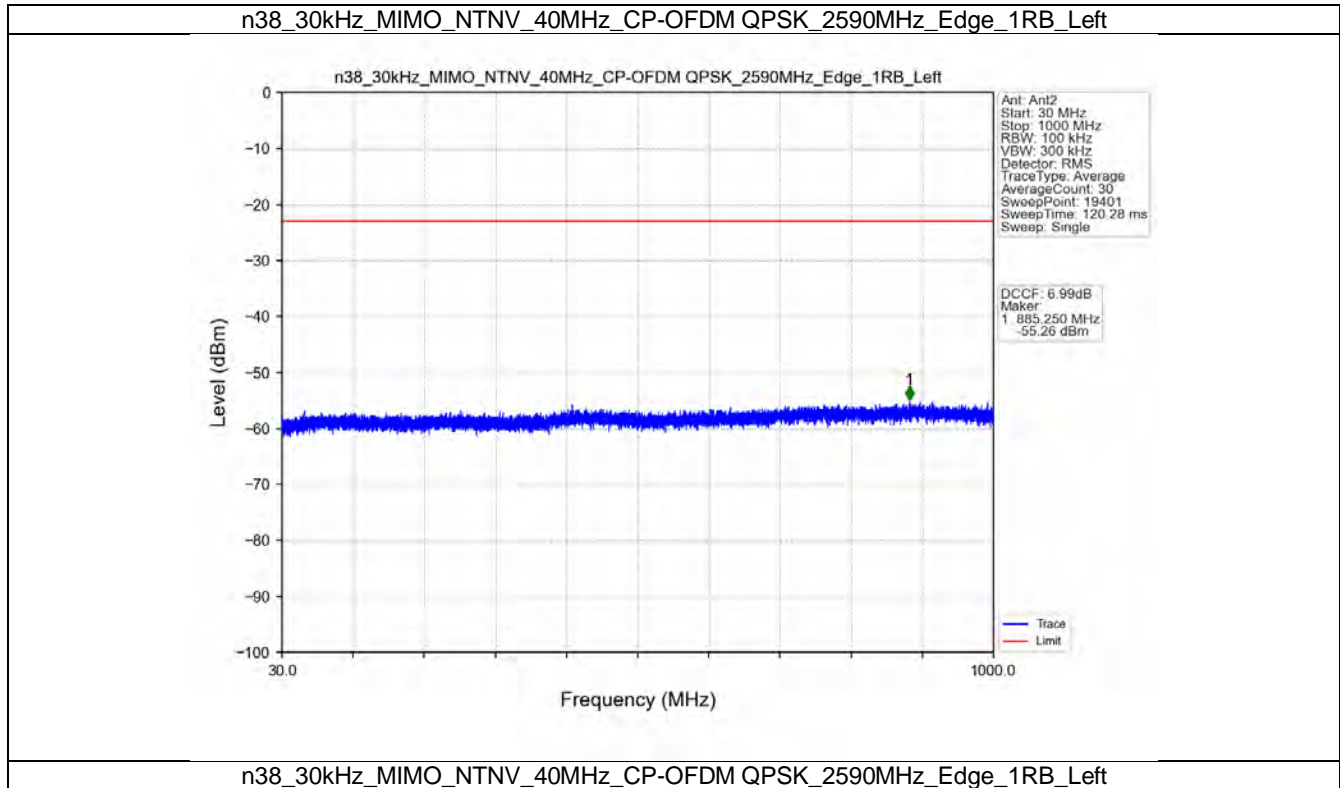


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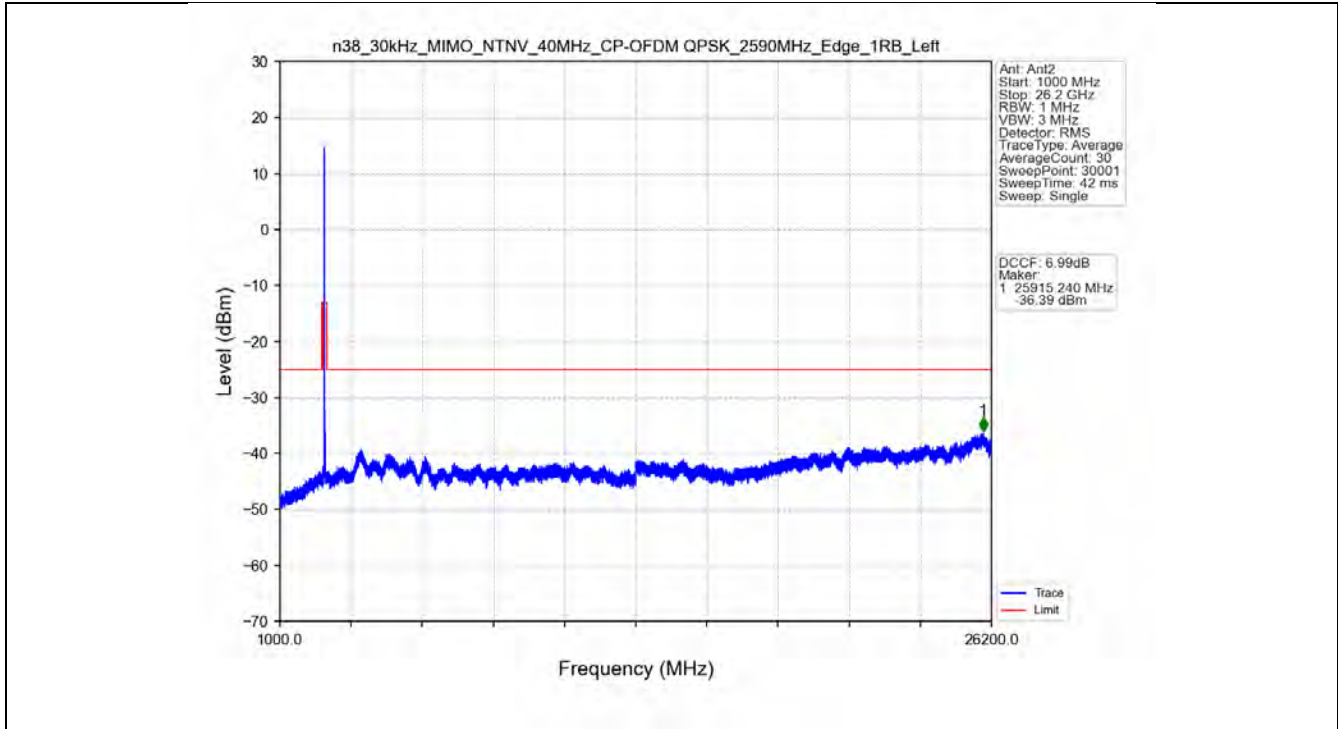


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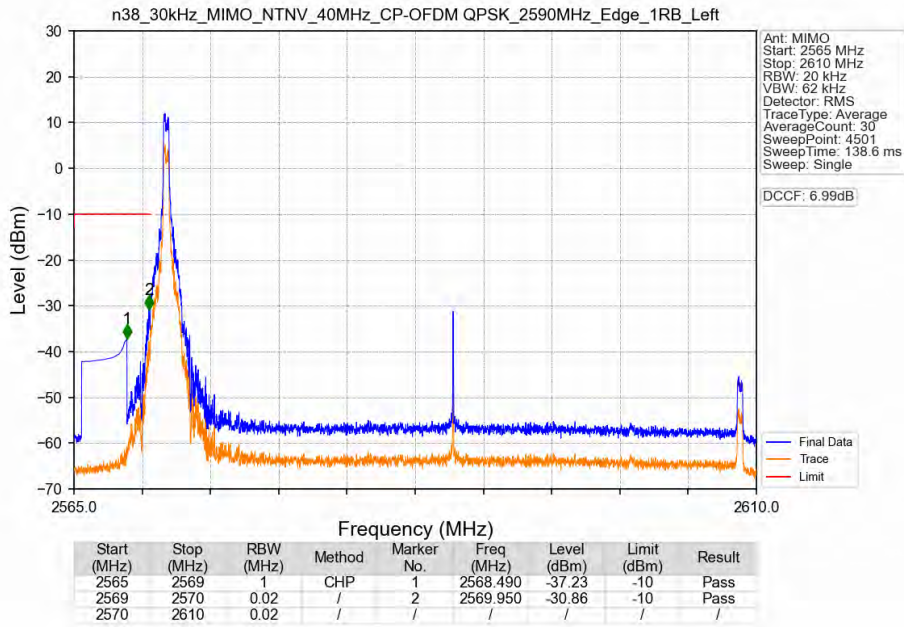
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n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2590MHz\_Edge\_1RB\_Left



n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2590MHz\_Edge\_1RB\_Left



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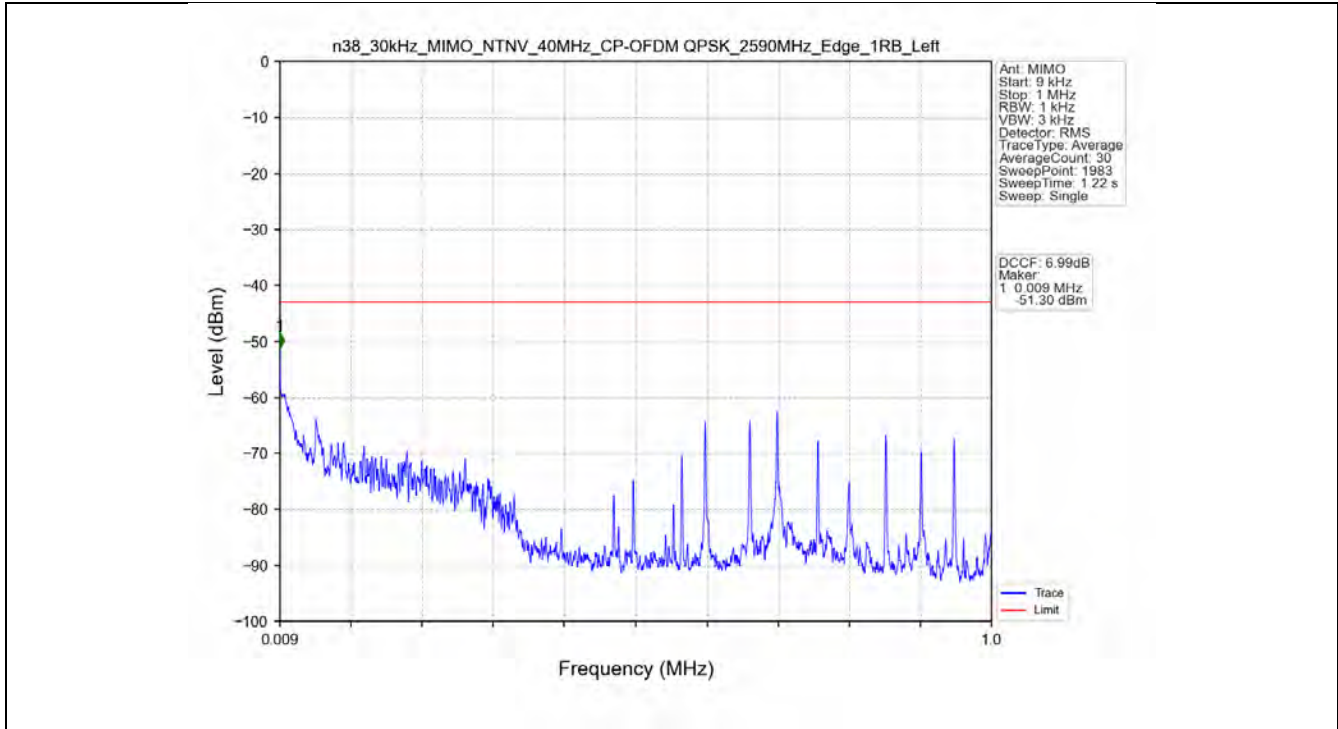


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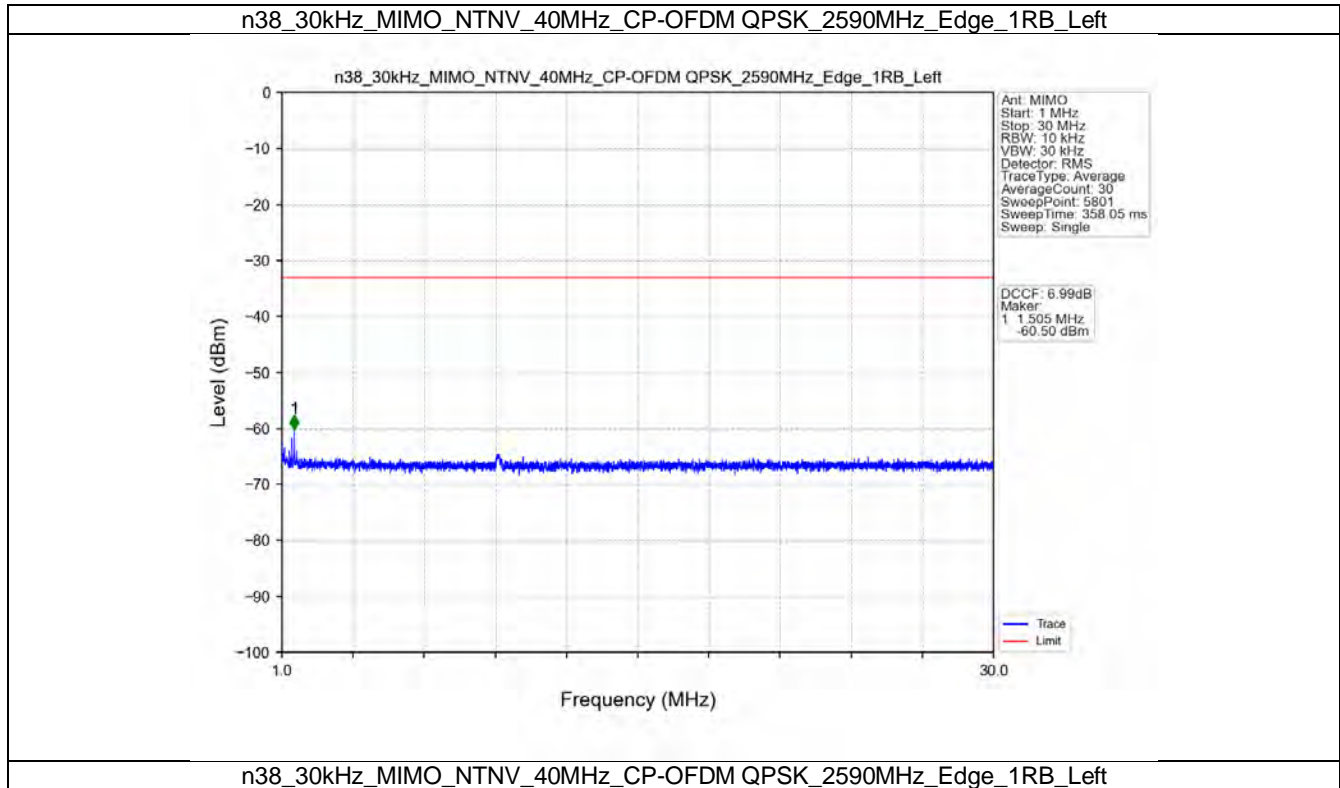


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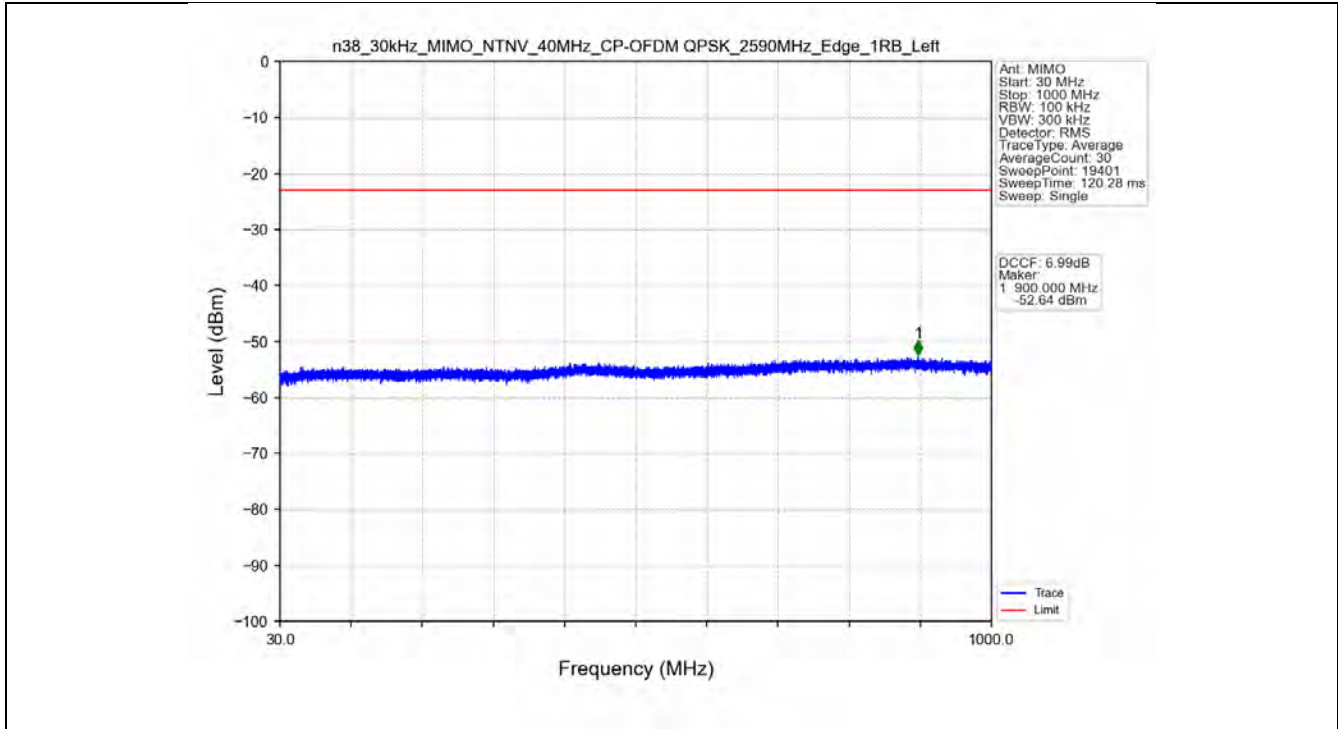


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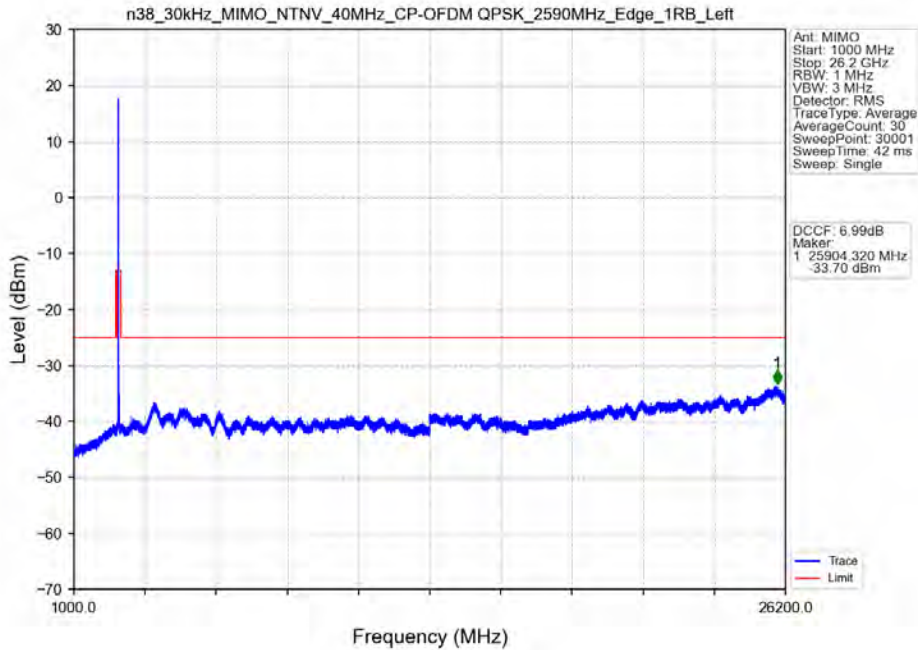
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n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2590MHz\_Outer\_Full



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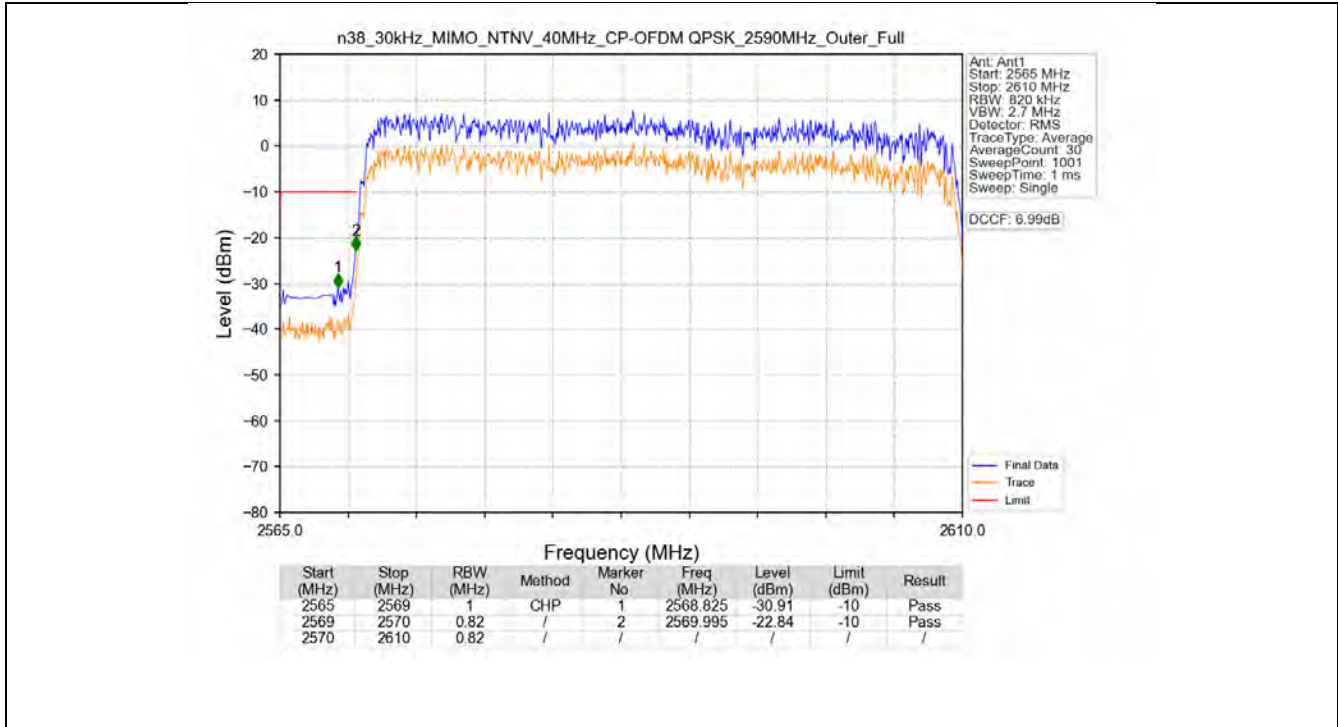


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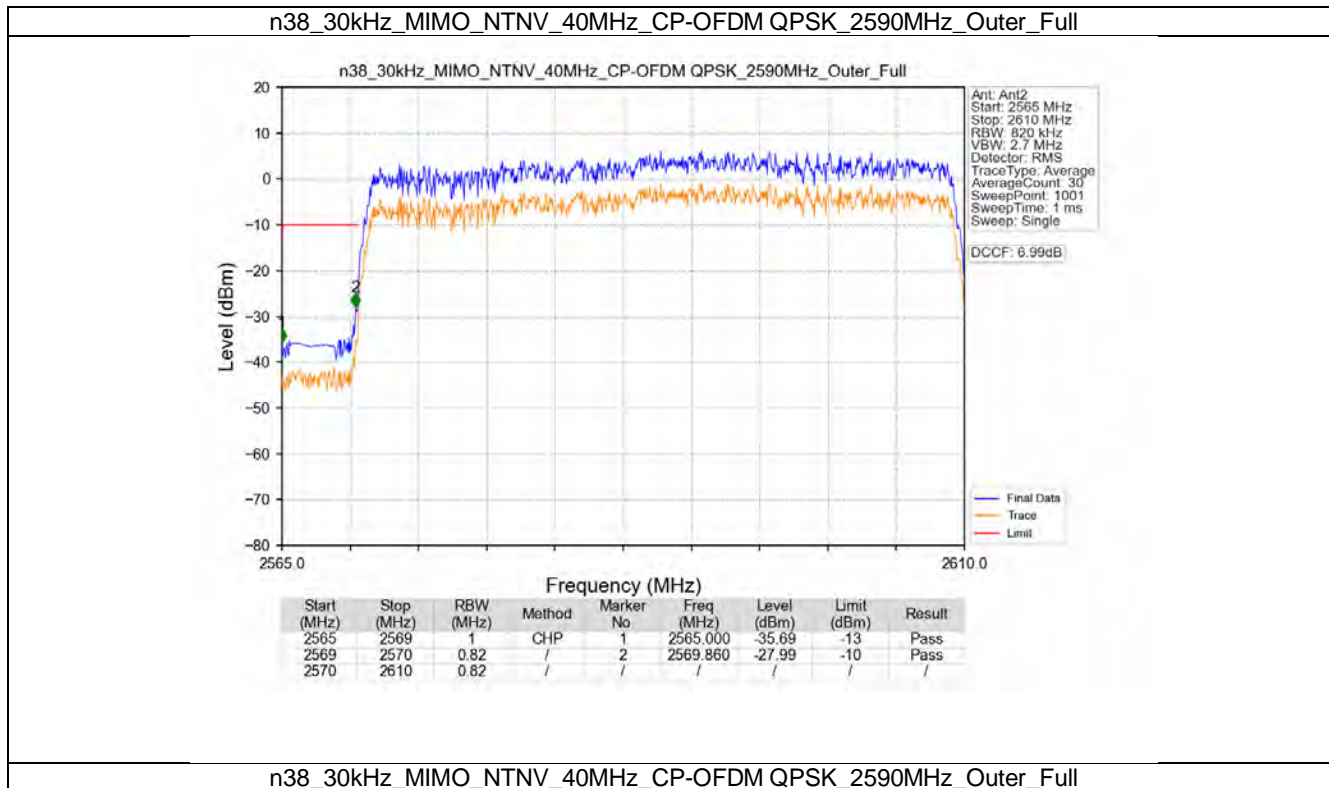
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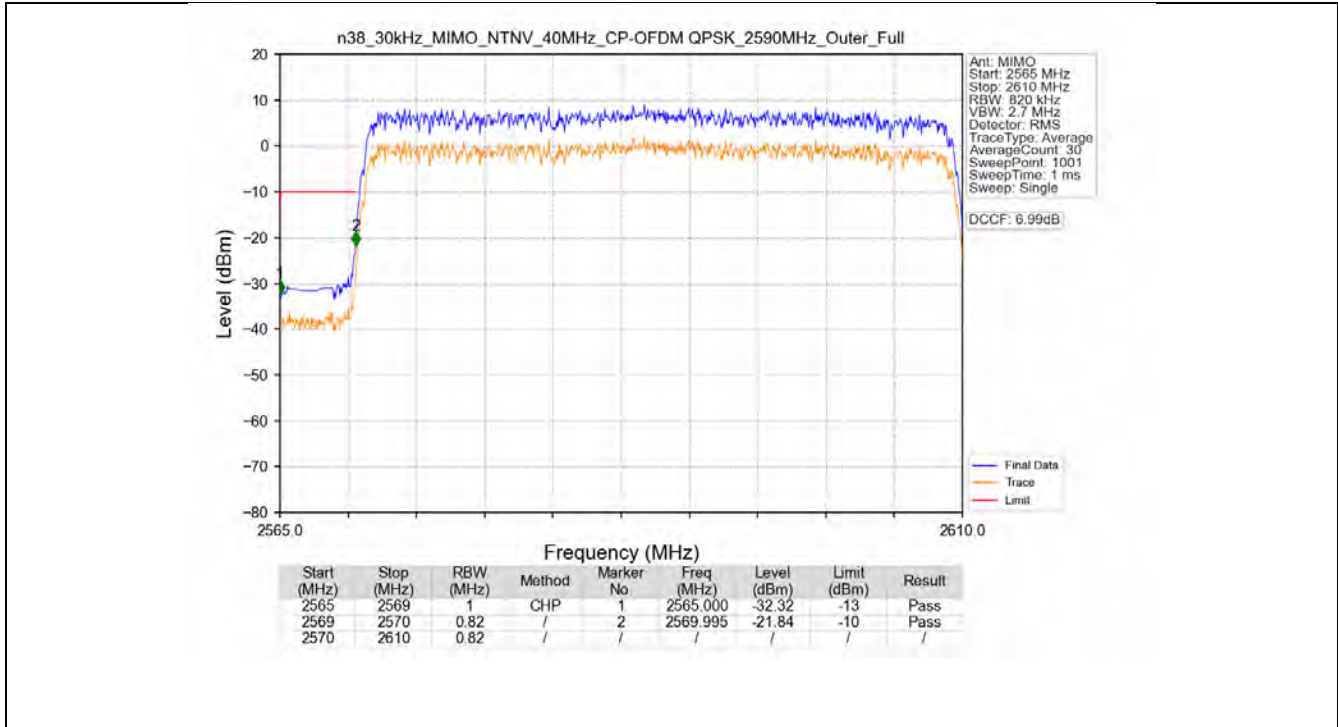


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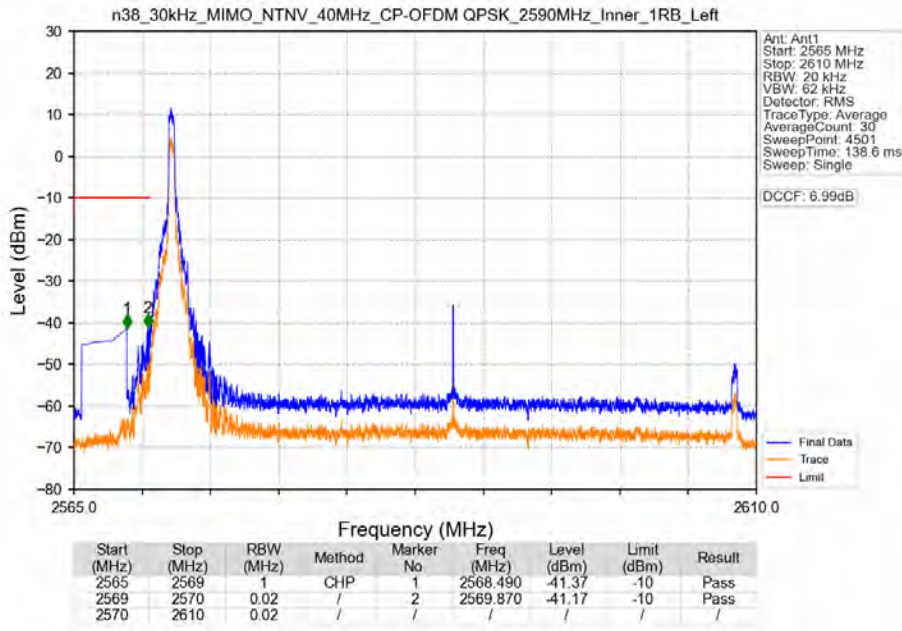
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n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2590MHz\_Inner\_1RB\_Left



n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2590MHz\_Inner\_1RB\_Left



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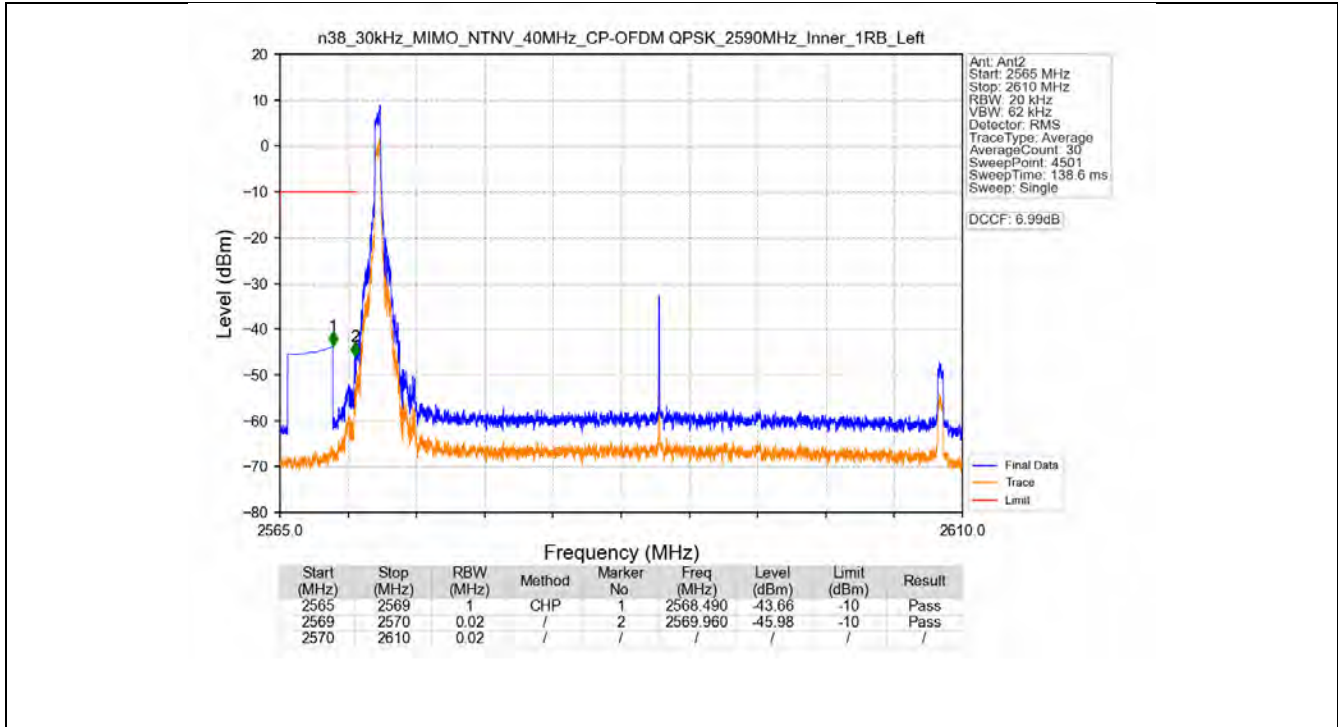


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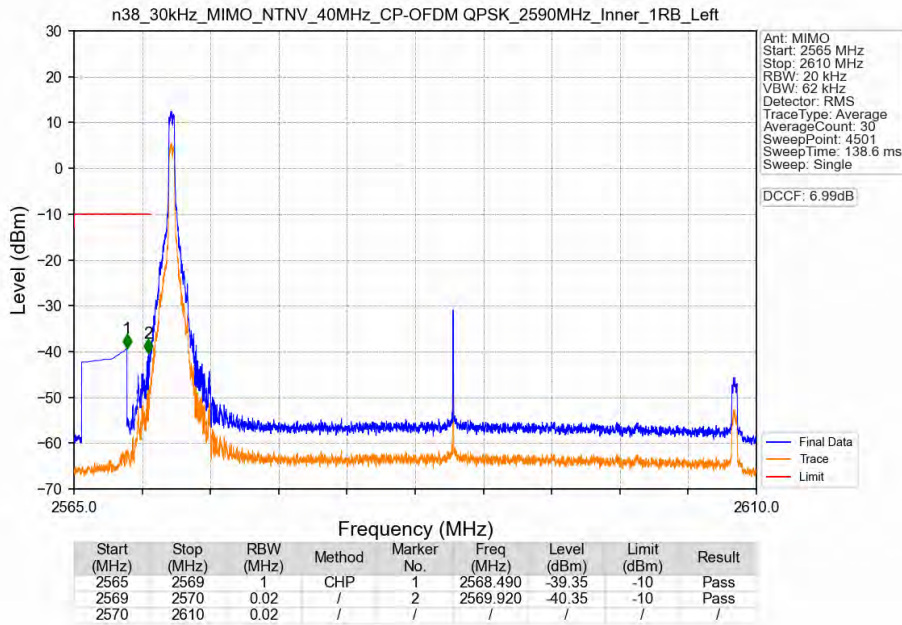
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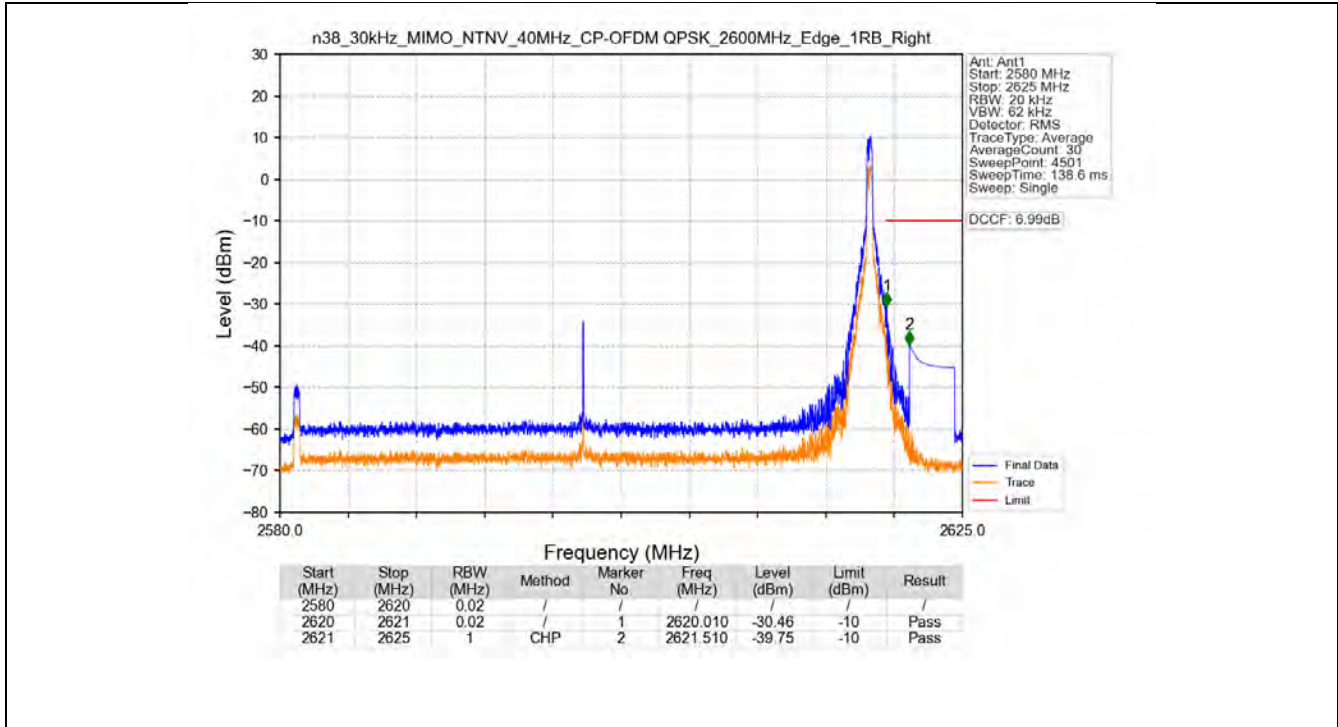


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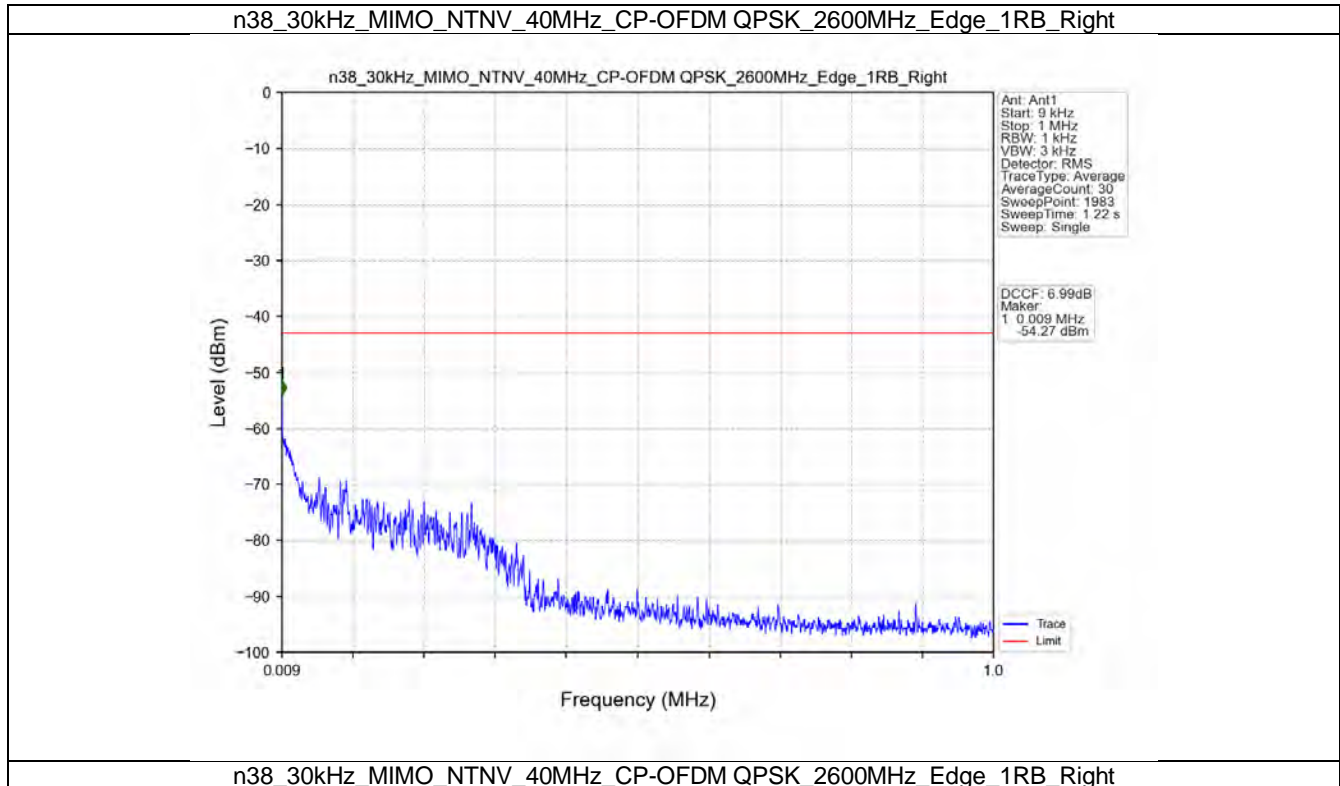


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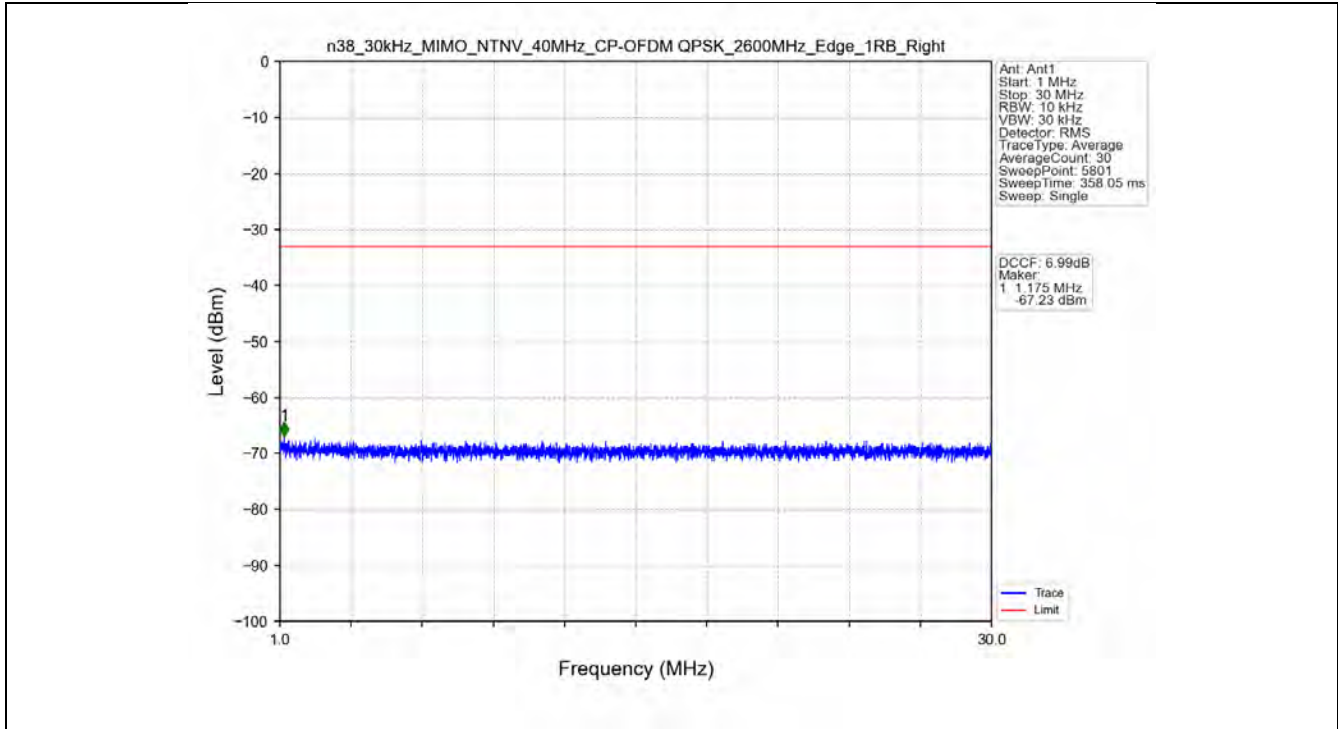


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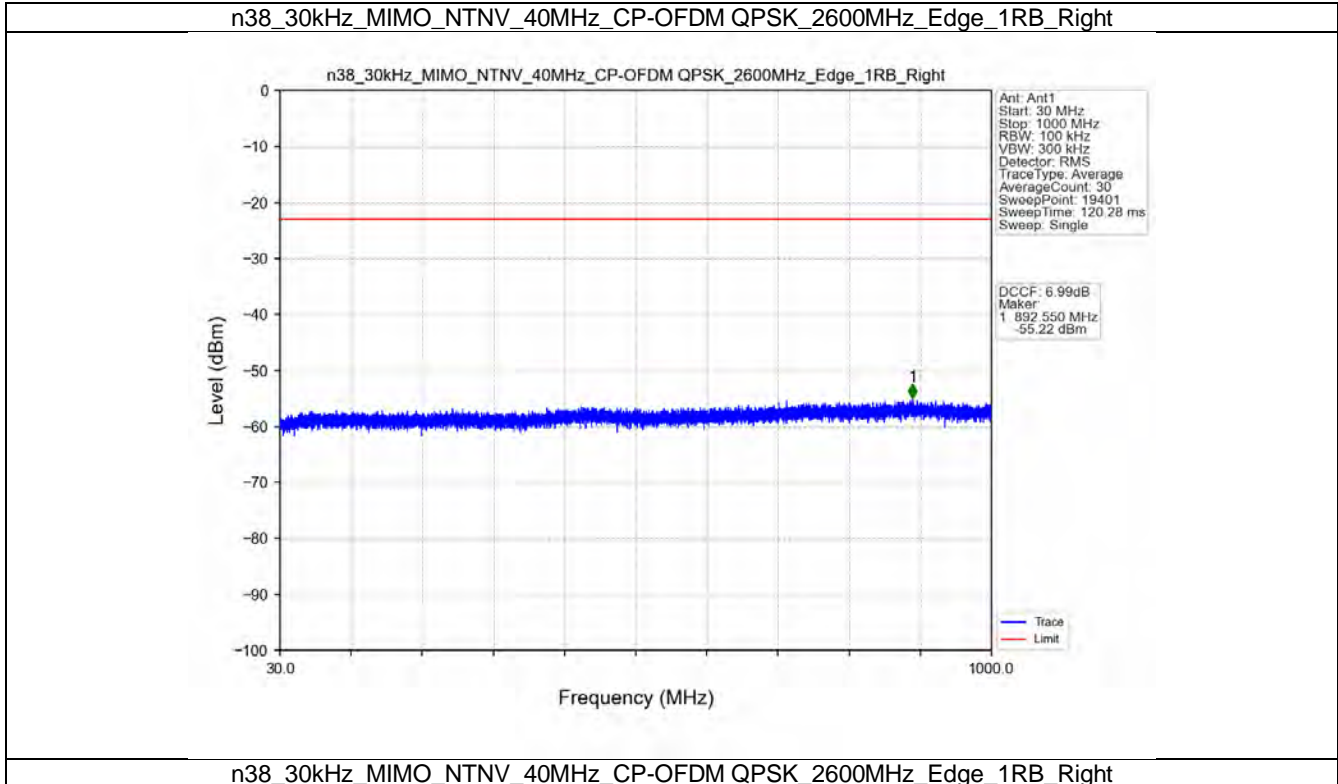


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n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2600MHz\_Edge\_1RB\_Right



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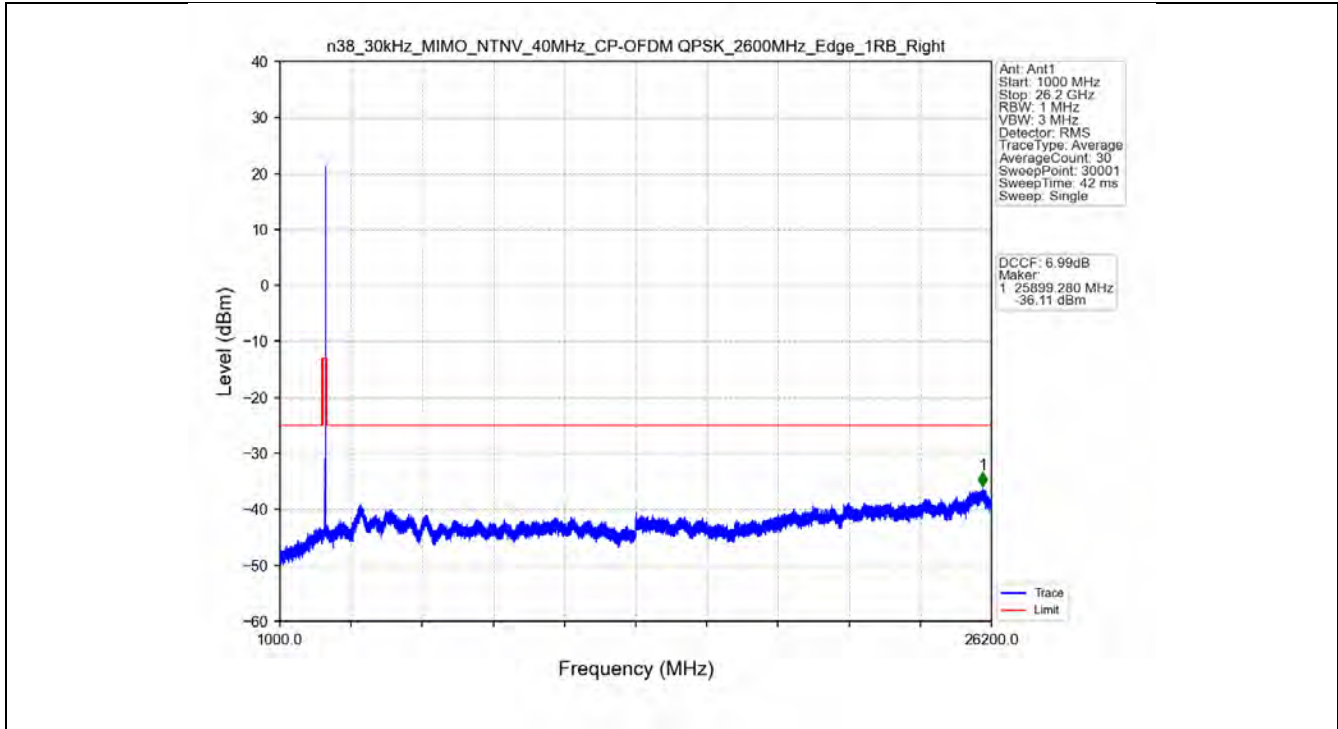


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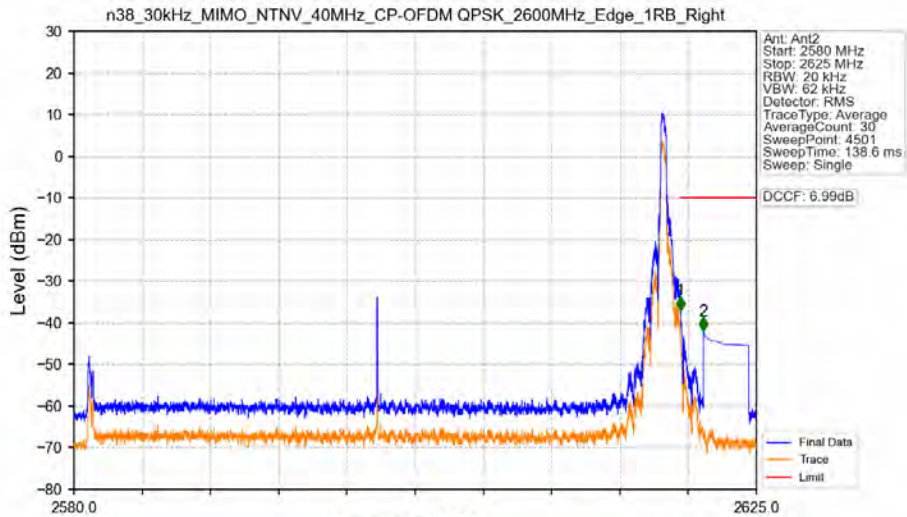
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2580	2620	0.02	/	/	/	/	/	/
2620	2621	0.02	/	1	2620.000	-37.04	-10	Pass
2621	2625	1	CHP	2	2621.510	-41.92	-10	Pass

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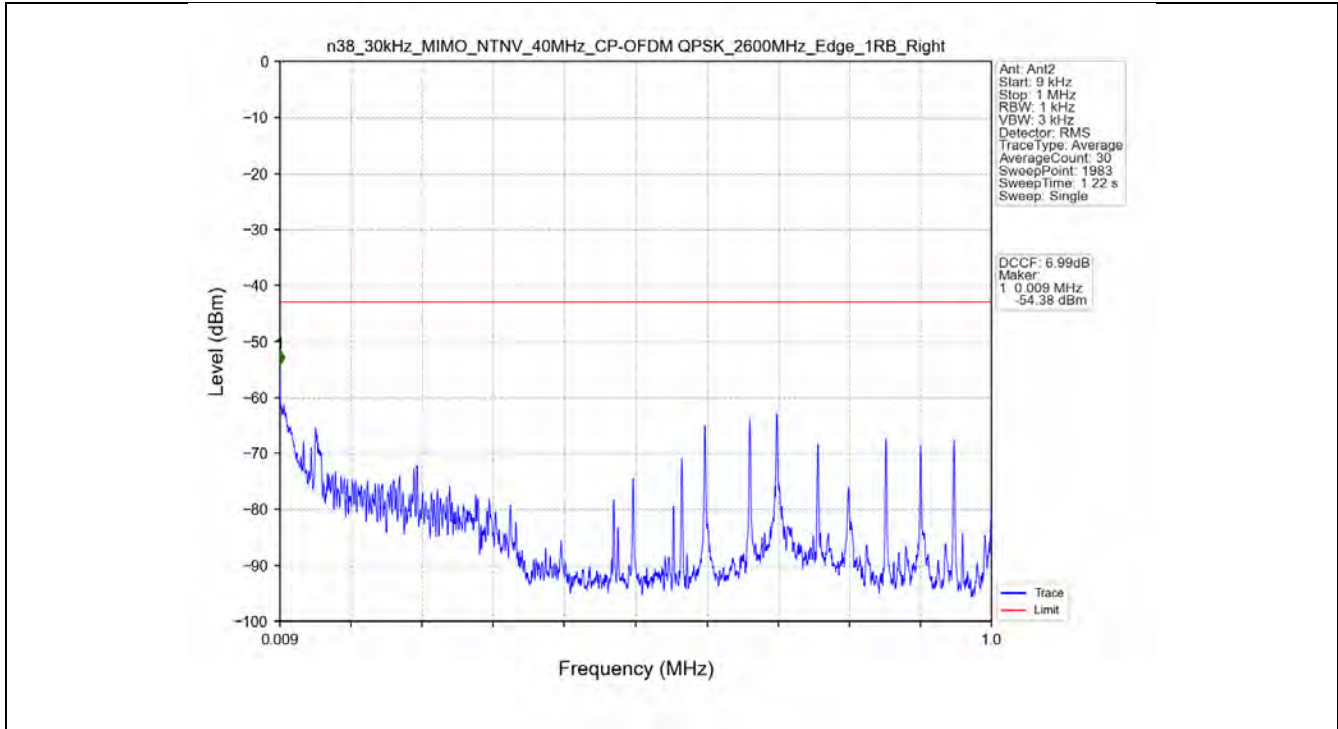


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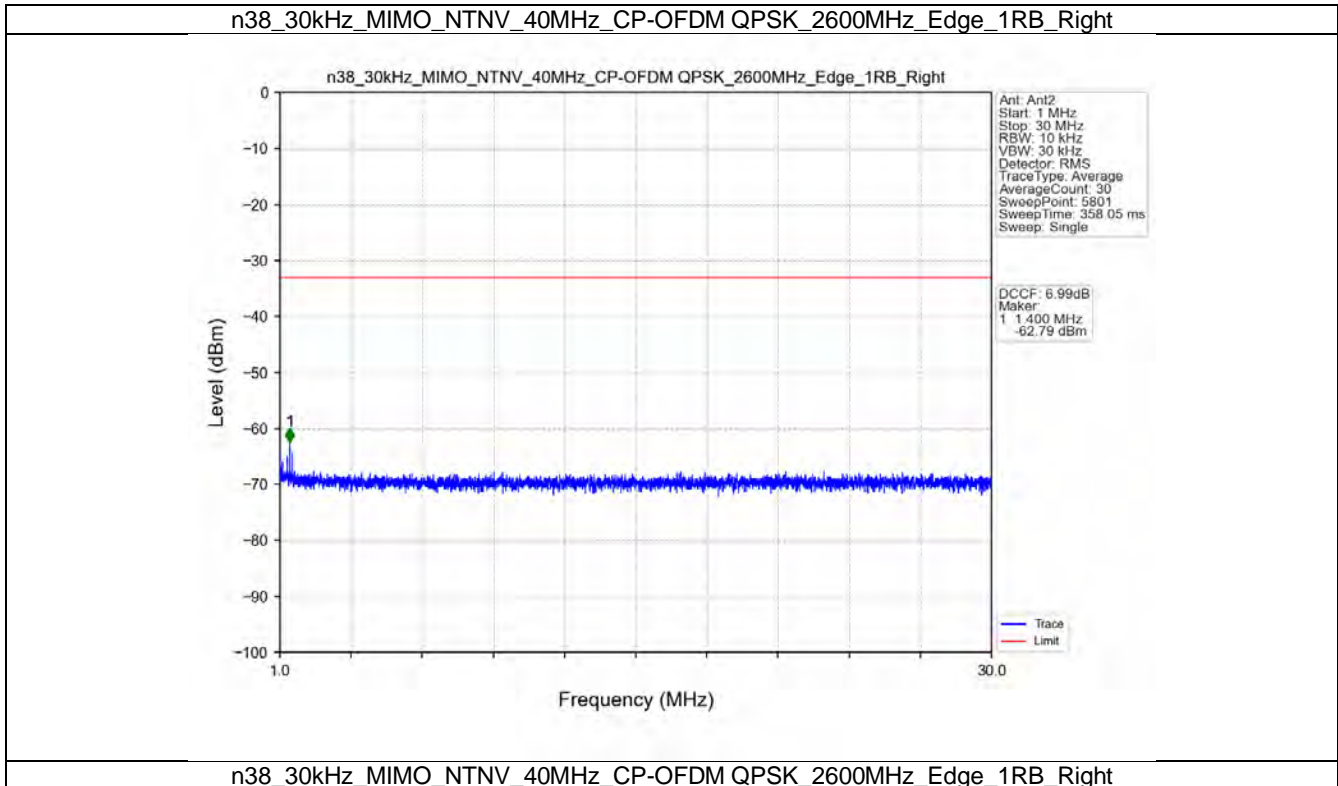


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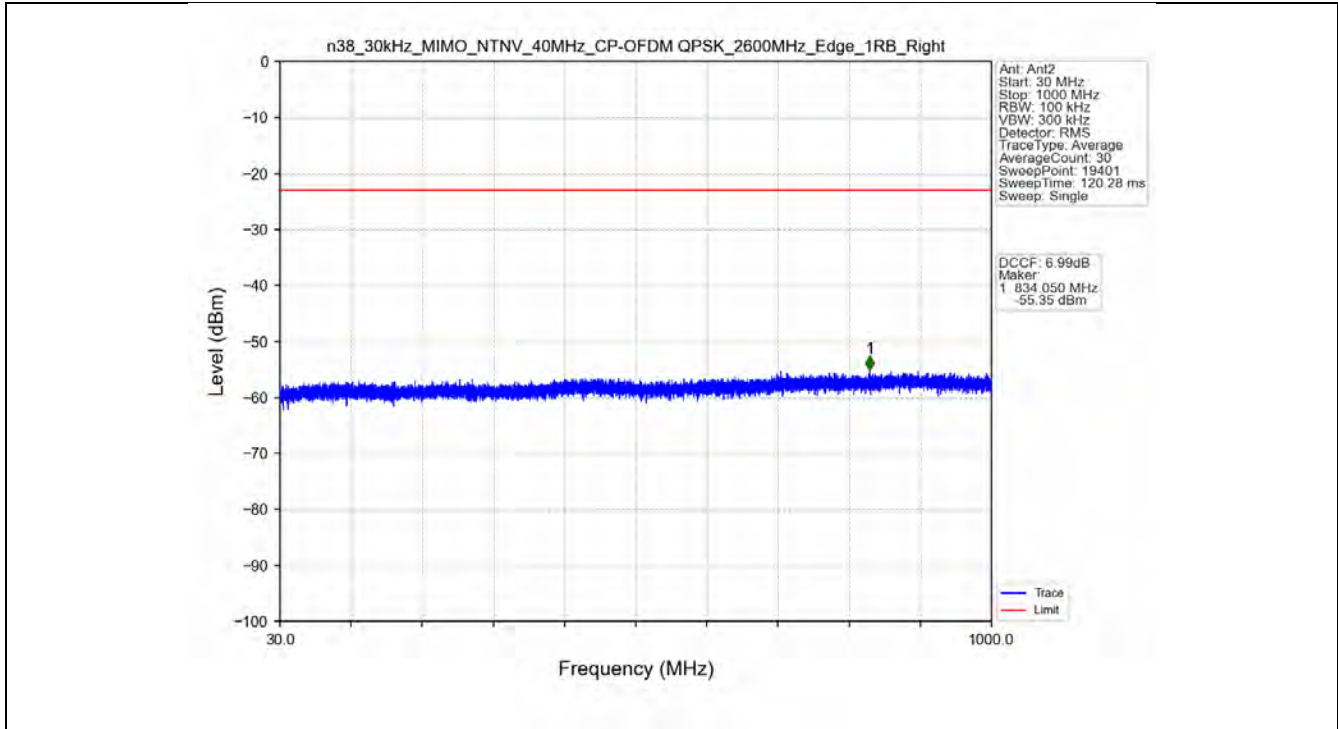


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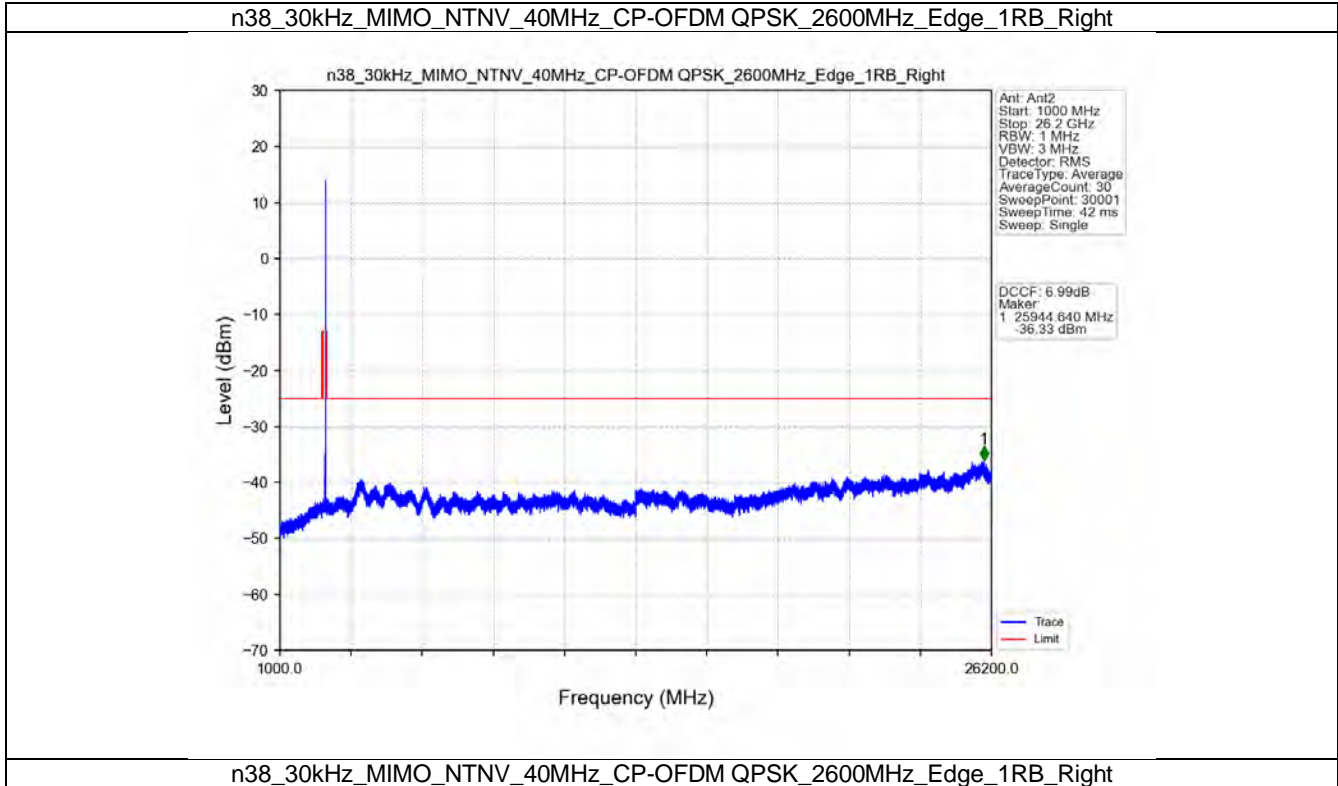


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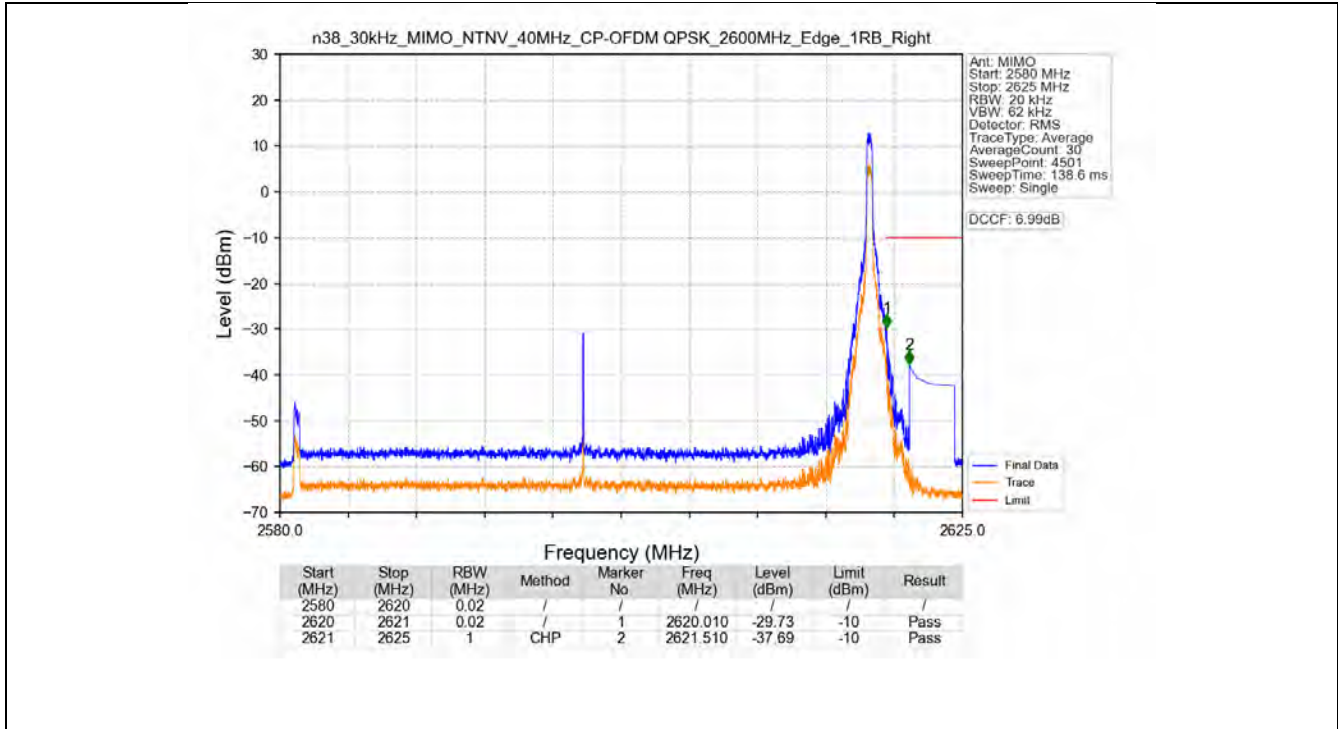


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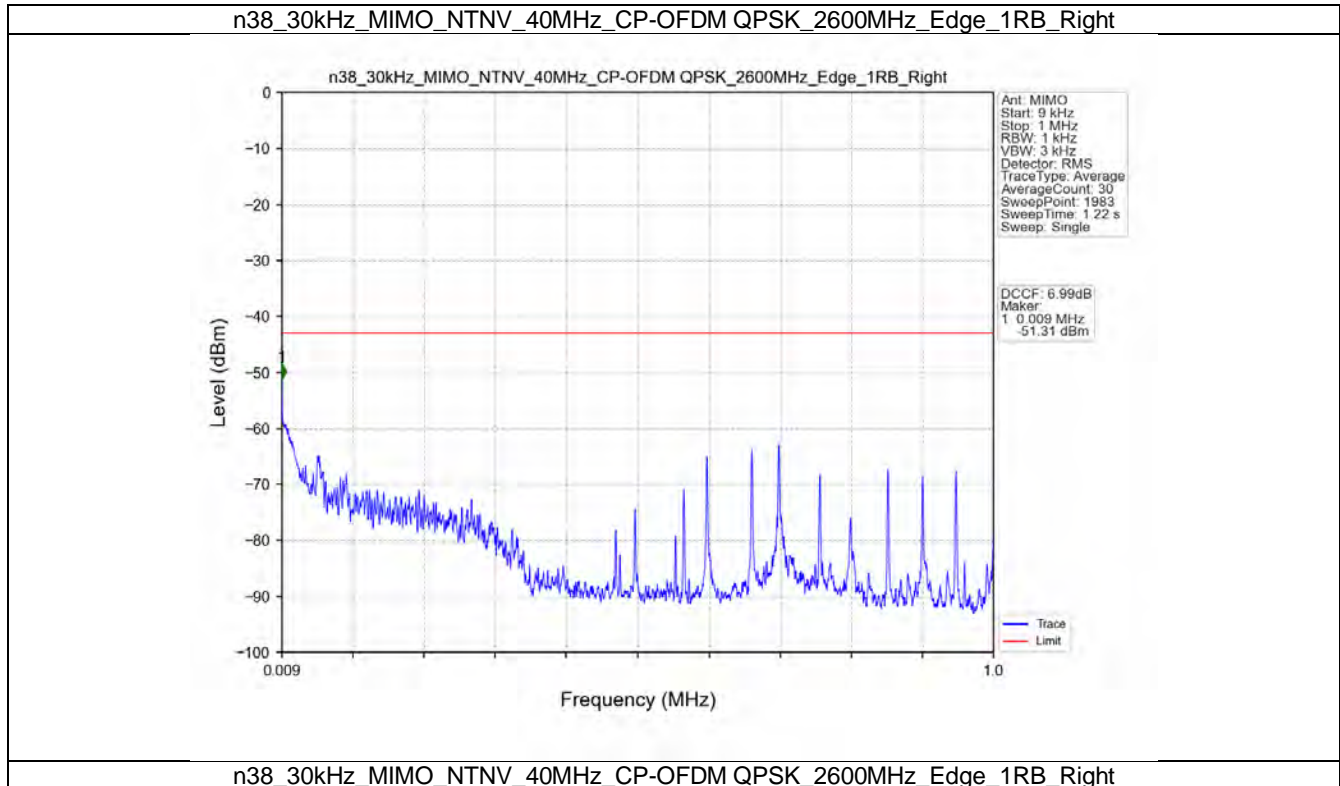


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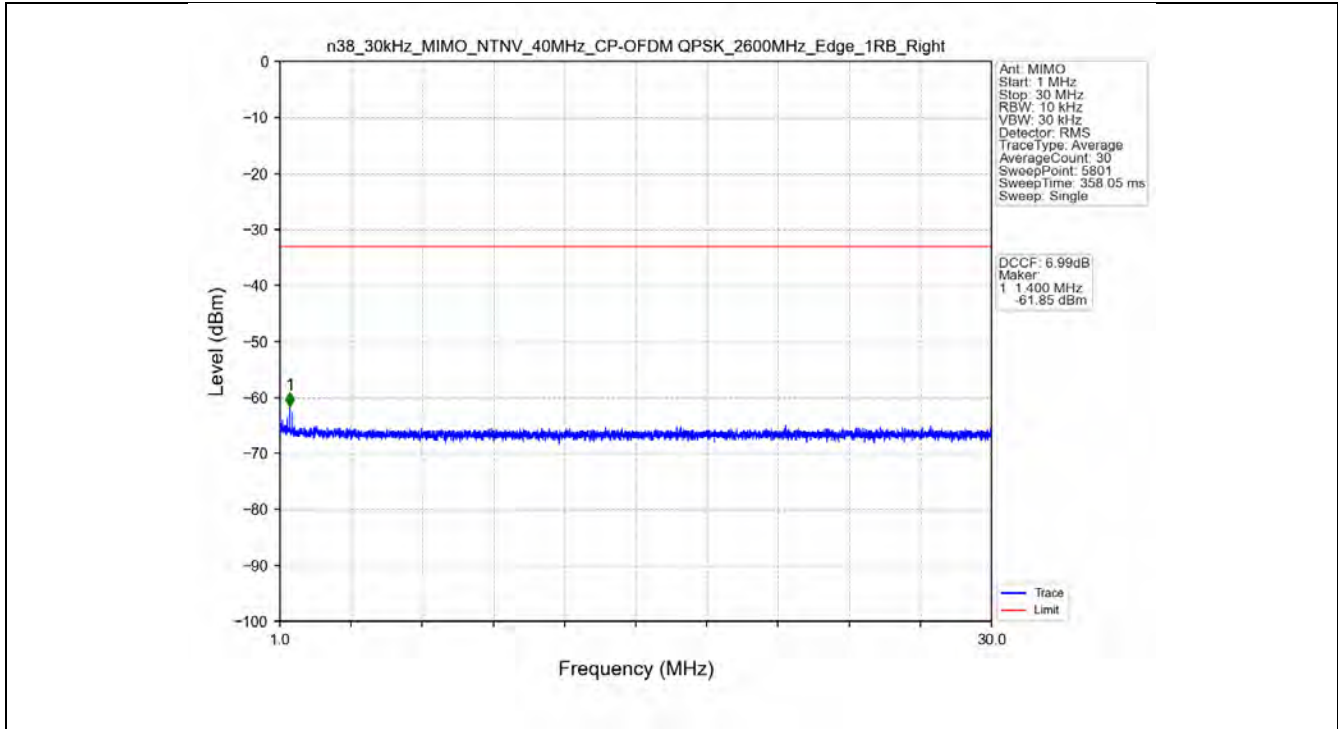


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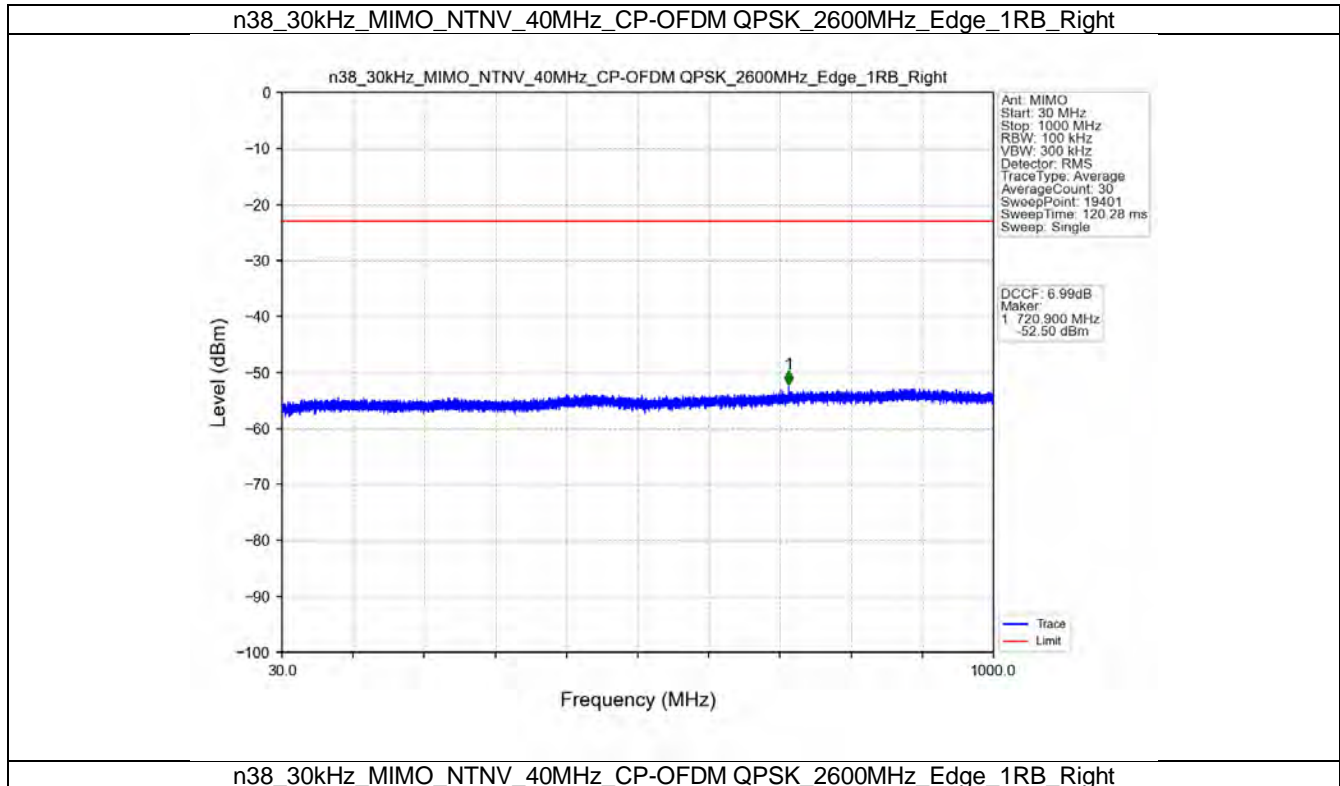


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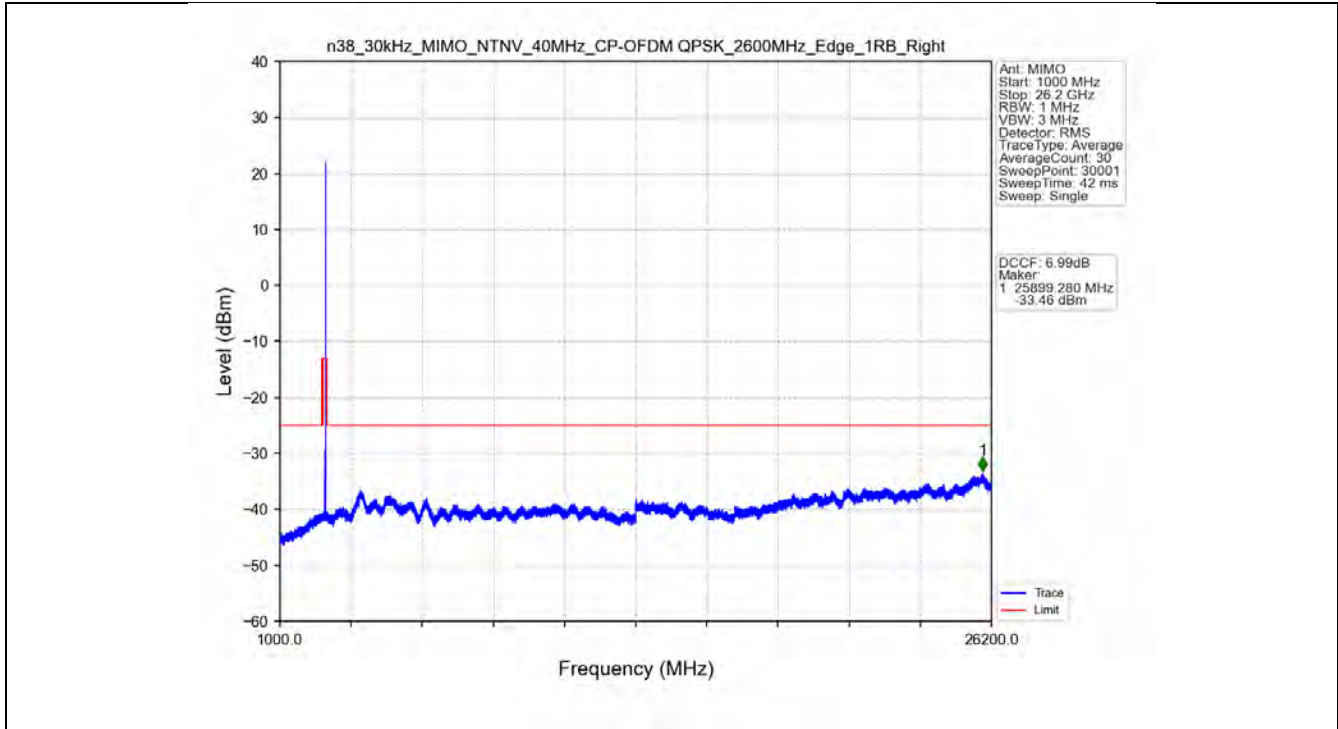


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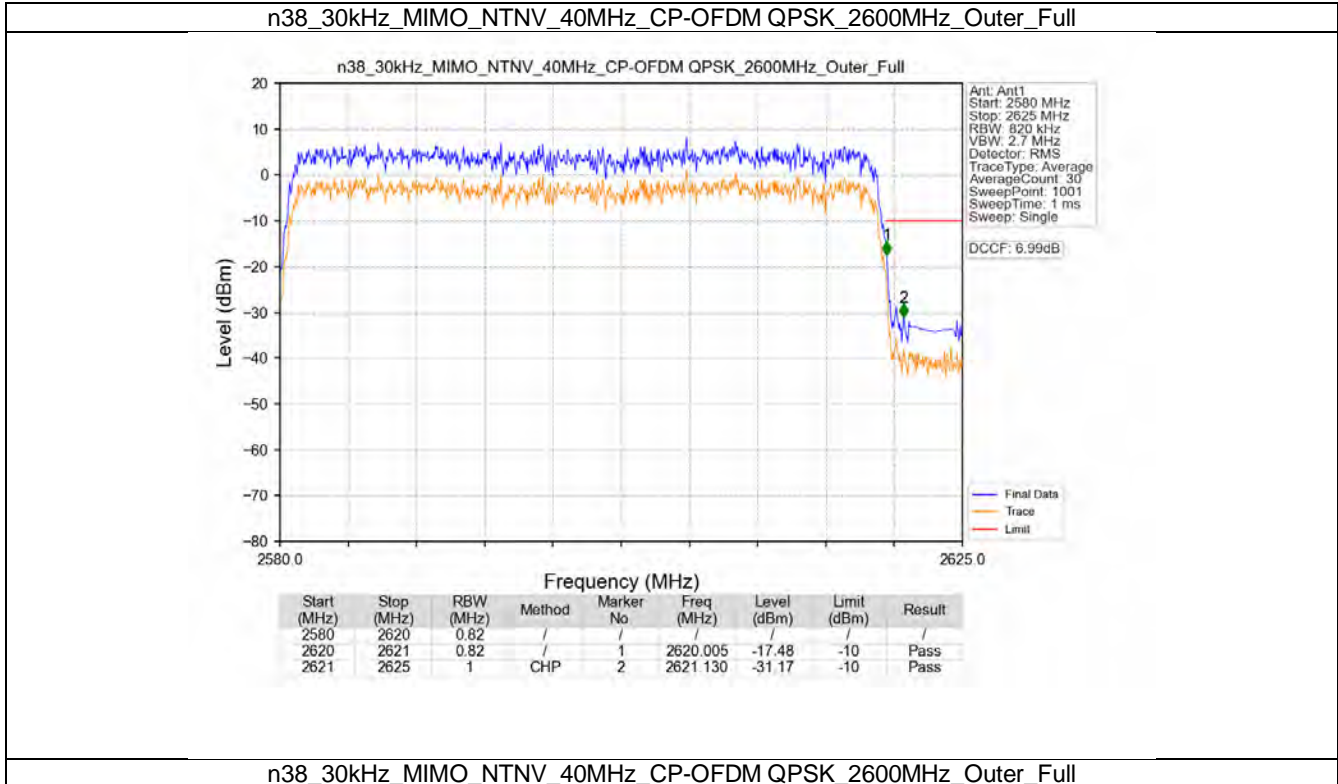


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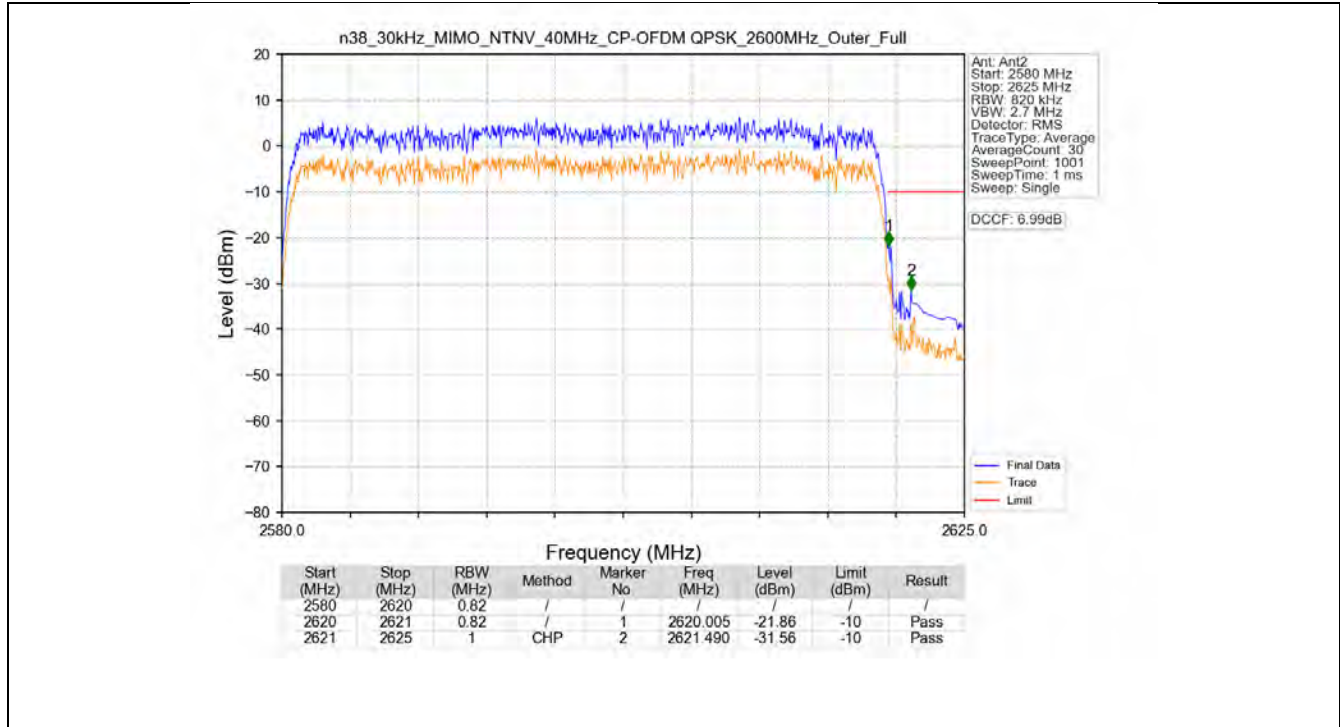


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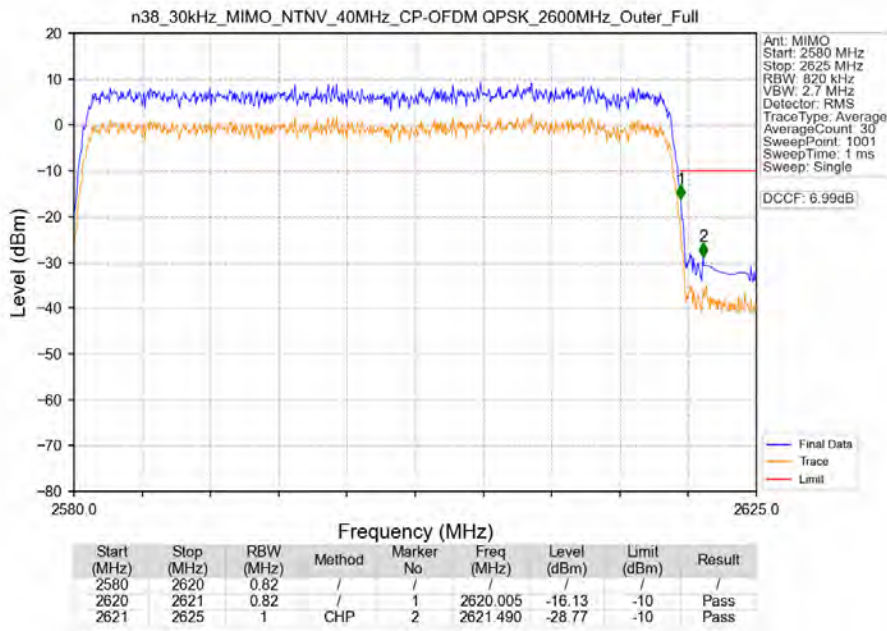
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n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2600MHz\_Outer\_Full



n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM QPSK\_2600MHz\_Inner\_1RB\_Right



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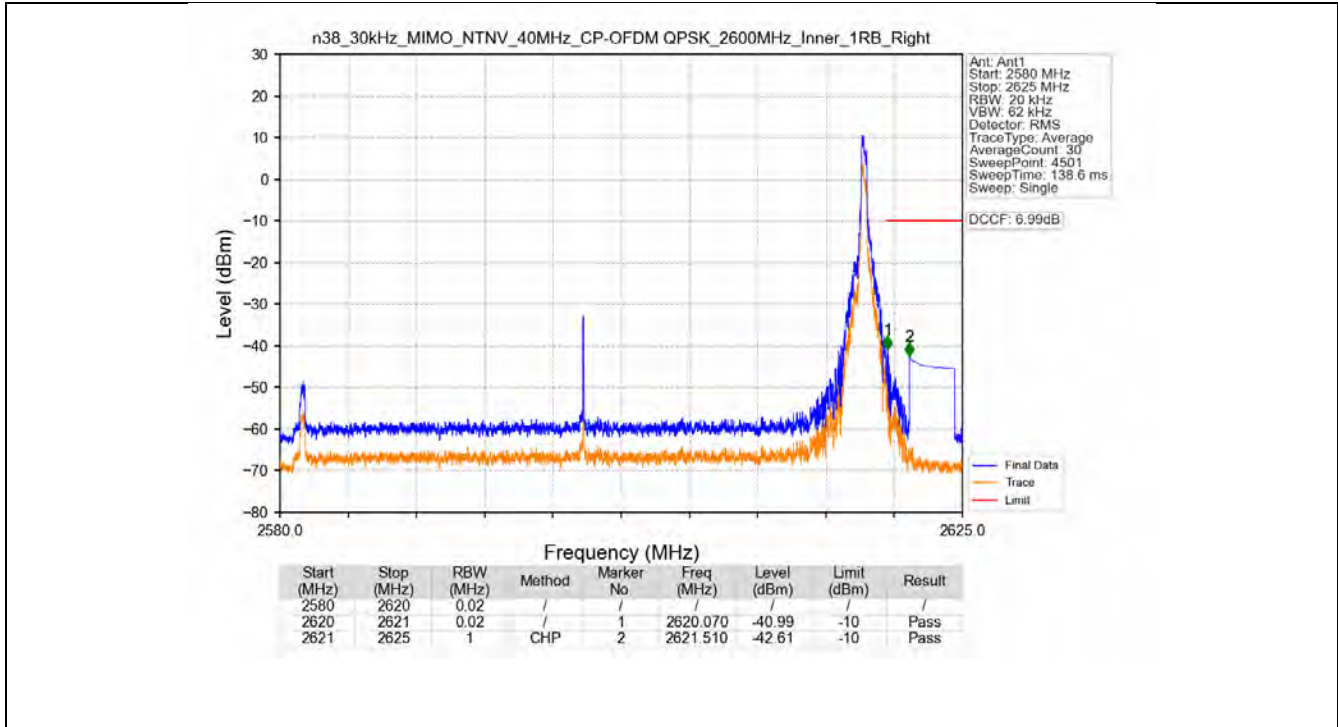


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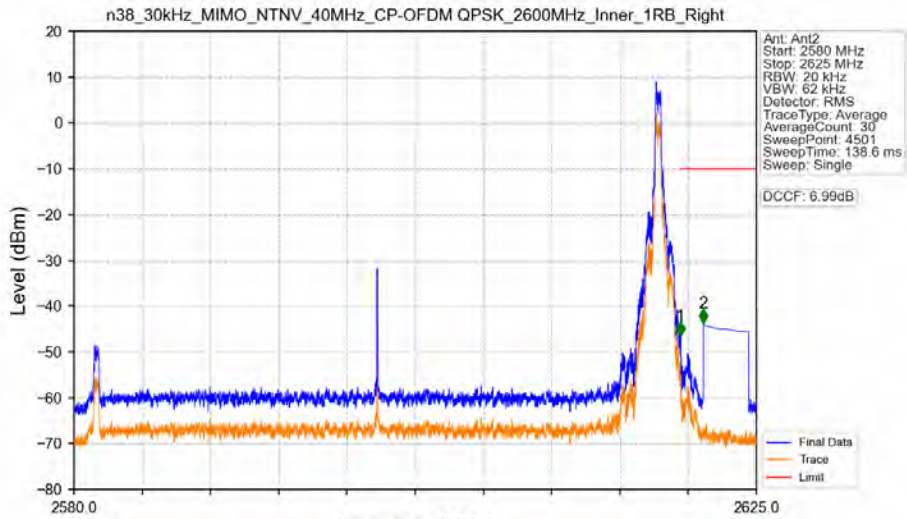
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n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_2600MHz\_Inner\_1RB\_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2580	2620	0.02	/	/	/	/	/	/
2620	2621	0.02	/	1	2620.000	-46.45	-10	Pass
2621	2625	1	CHP	2	2621.510	-43.67	-10	Pass

n38\_30kHz\_MIMO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_2600MHz\_Inner\_1RB\_Right



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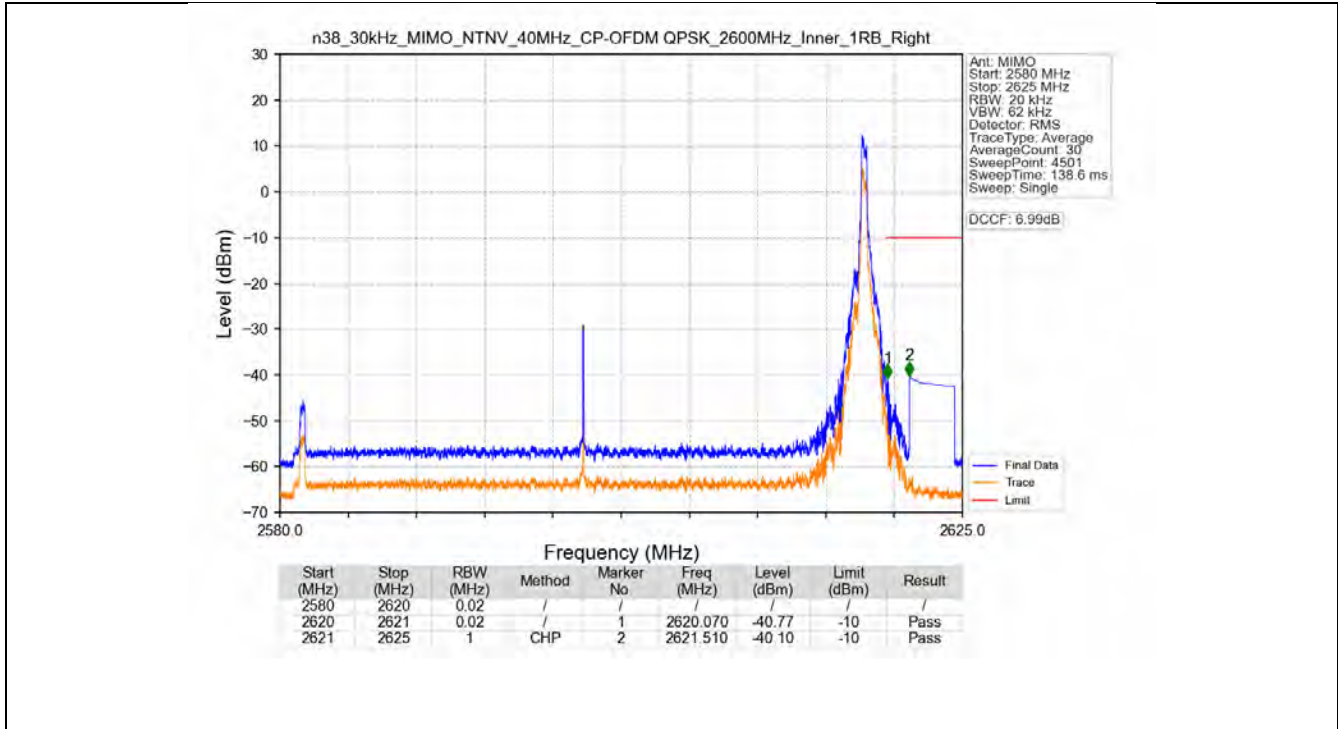


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## 6. Field Strength of Spurious Radiation

NR Band 38-Low channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5144	-53.21	-25	-28.21	-59.09	4.26	10.14	Horizontal	Pass
7716	-50.85	-25	-25.85	-58.375	4.22	11.74	Horizontal	Pass
10288	-48.79	-25	-23.79	-56.74	5.08	13.03	Horizontal	Pass
5144	-51.73	-25	-26.73	-57.61	4.26	10.14	Vertical	Pass
7716	-49.76	-25	-24.76	-57.285	4.22	11.74	Vertical	Pass
10288	-48.28	-25	-23.28	-56.23	5.08	13.03	Vertical	Pass

NR Band 38-Middle channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5154	-52.74	-25	-27.74	-58.62	4.26	10.14	Horizontal	Pass
7731	-50.98	-25	-25.98	-58.505	4.22	11.74	Horizontal	Pass
10344	-47.72	-25	-22.72	-55.67	5.08	13.03	Horizontal	Pass
5154	-53.69	-25	-28.69	-59.57	4.26	10.14	Vertical	Pass
7731	-51.13	-25	-26.13	-58.655	4.22	11.74	Vertical	Pass
10344	-48.23	-25	-23.23	-56.18	5.08	13.03	Vertical	Pass

NR Band 38-High channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5164	-53.9	-25	-28.9	-59.78	4.26	10.14	Horizontal	Pass
7746	-50	-25	-25	-57.525	4.22	11.74	Horizontal	Pass
10328	-49.48	-25	-24.48	-57.43	5.08	13.03	Horizontal	Pass
5164	-53.47	-25	-28.47	-59.35	4.26	10.14	Vertical	Pass
7746	-48.96	-25	-23.96	-56.485	4.22	11.74	Vertical	Pass
10328	-48.98	-25	-23.98	-56.93	5.08	13.03	Vertical	Pass

---End of Attachment---



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