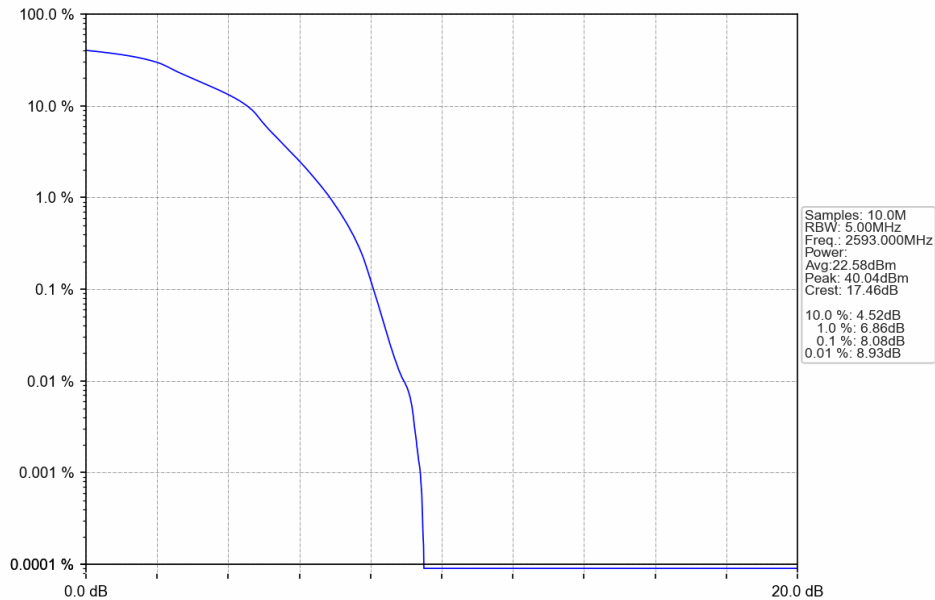


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Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



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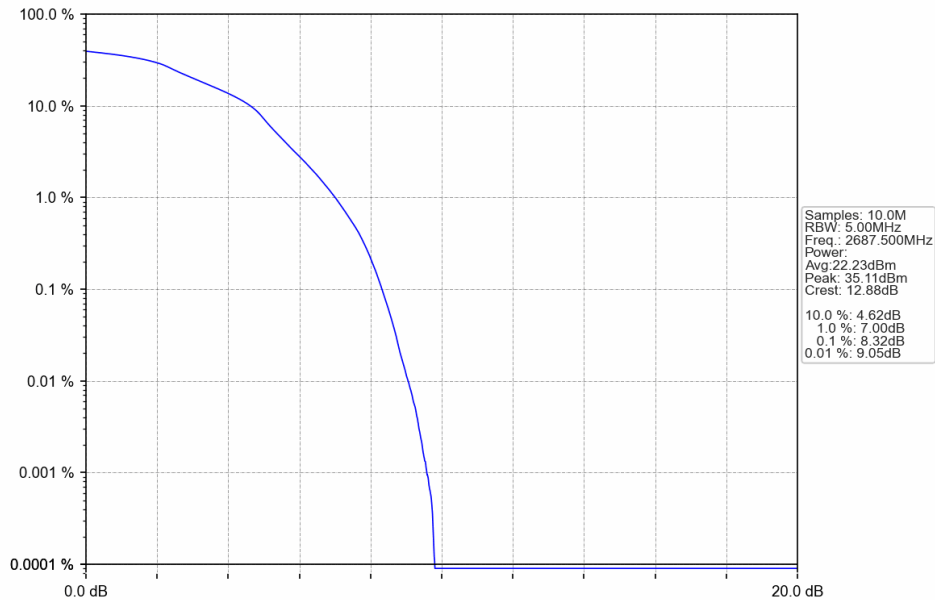
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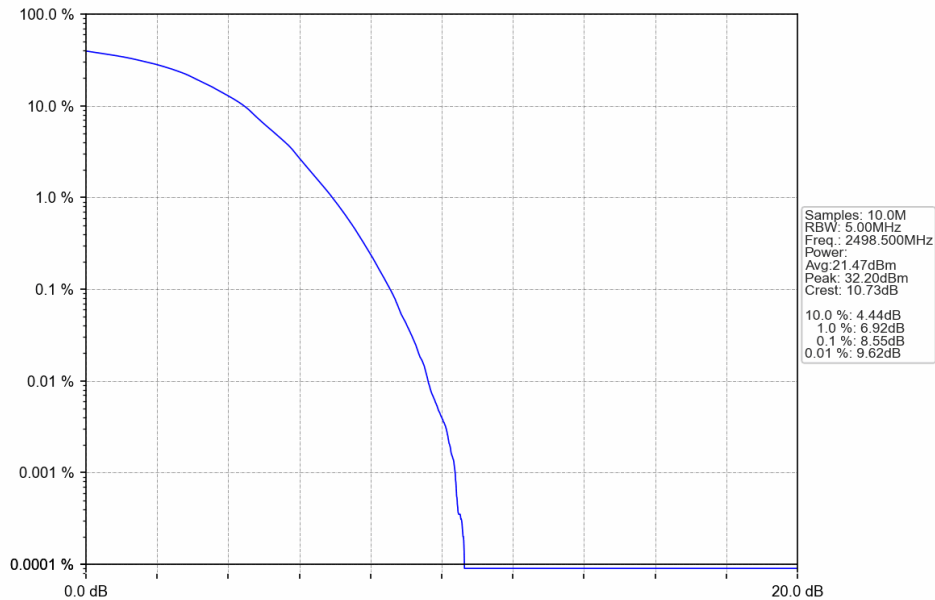
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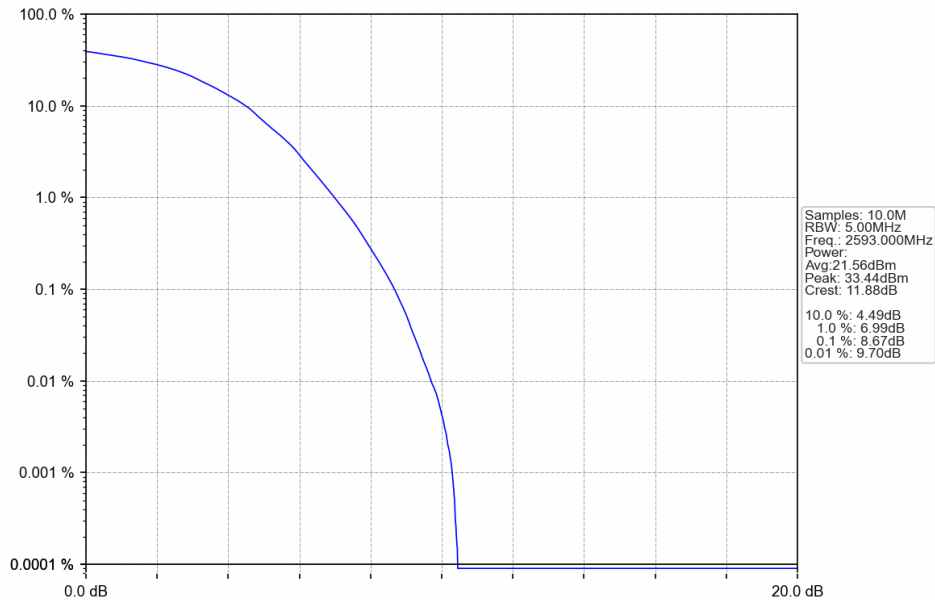
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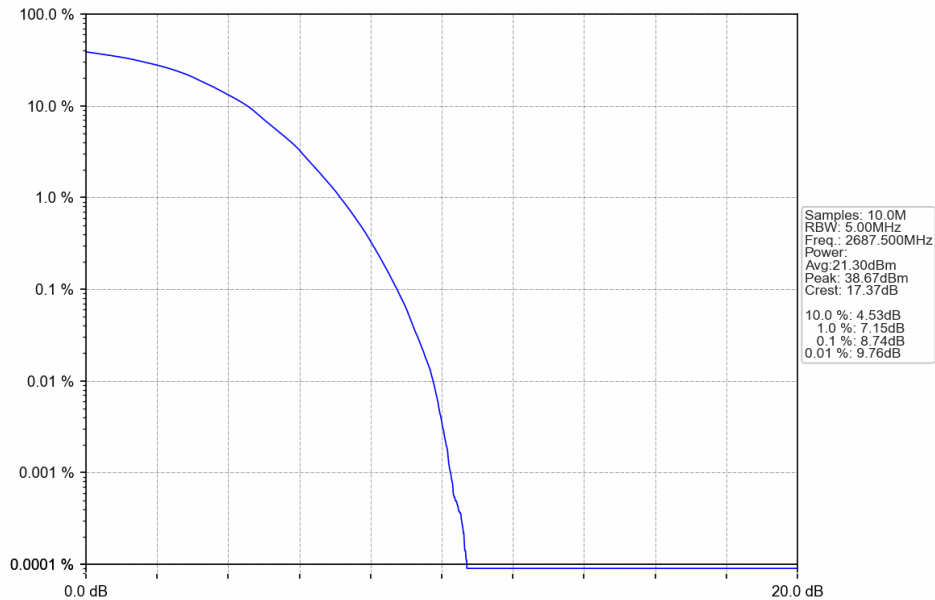
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3.2 B41_10MHz

3.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.38	<=13	Pass
	2593	50	0	7.32	<=13	Pass
	2685	50	0	7.34	<=13	Pass
16QAM	2501	50	0	8.10	<=13	Pass
	2593	50	0	8.07	<=13	Pass
	2685	50	0	8.42	<=13	Pass
64QAM	2501	50	0	8.42	<=13	Pass
	2593	50	0	8.74	<=13	Pass
	2685	50	0	8.58	<=13	Pass

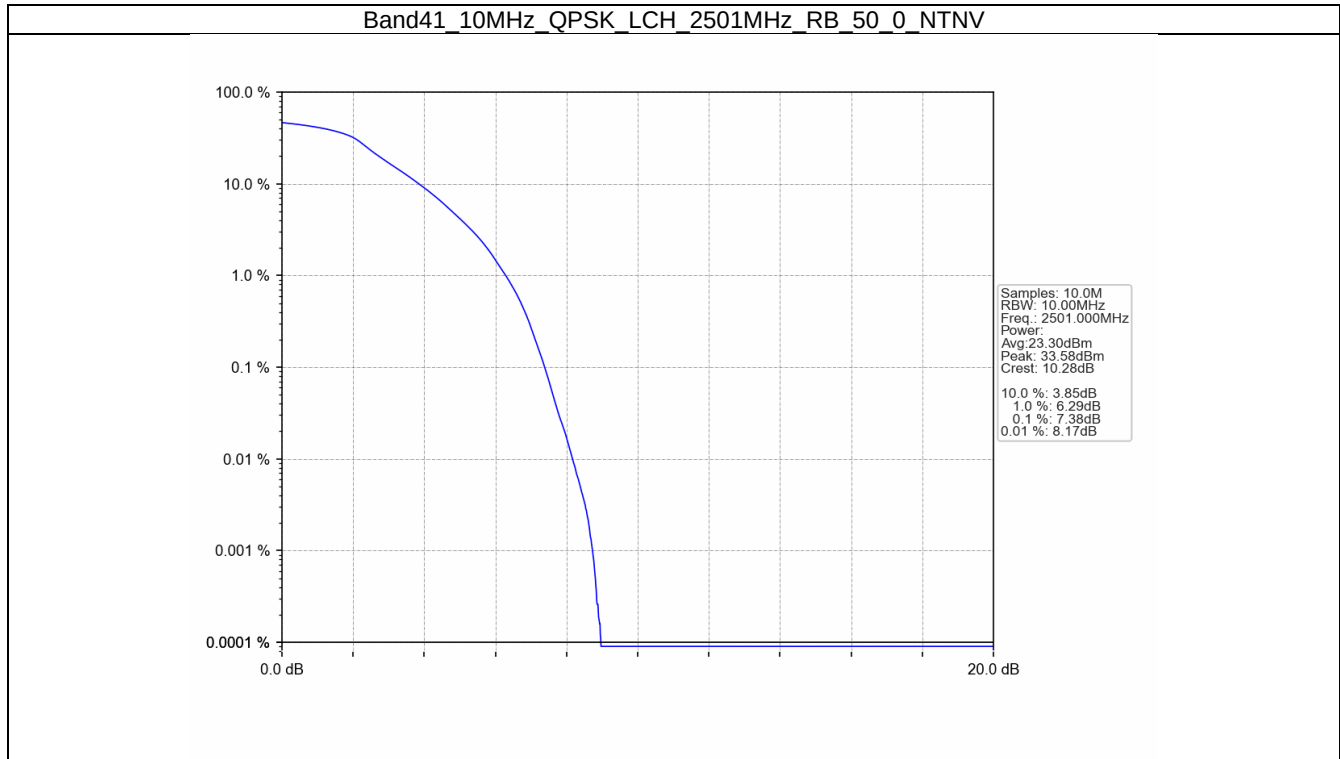


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3.2.2 Test Graph



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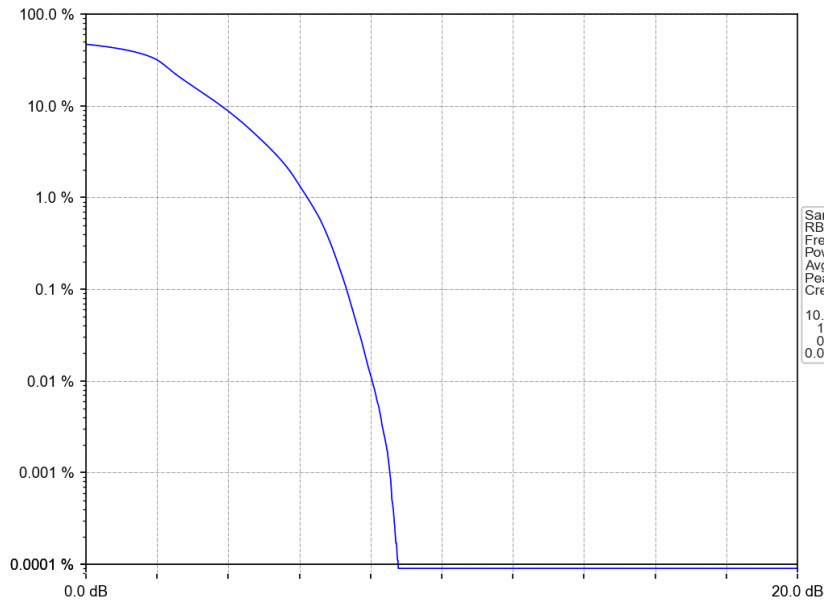
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Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq.: 2593.000MHz
Power:
Avg: 23.57dBm
Peak: 32.61dBm
Crest: 9.04dB
10.0 %: 3.80dB
1.0 %: 6.22dB
0.1 %: 7.32dB
0.01 %: 8.05dB



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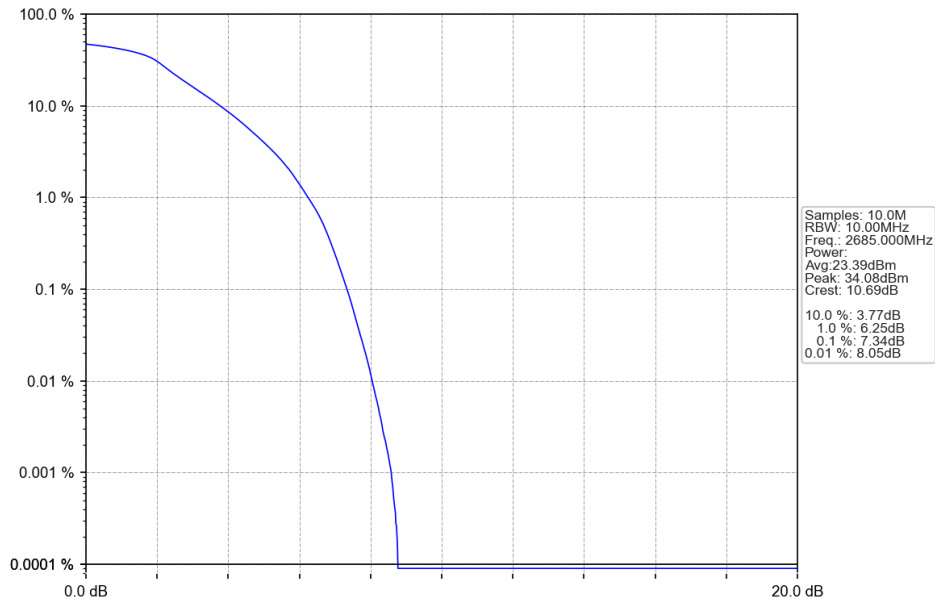
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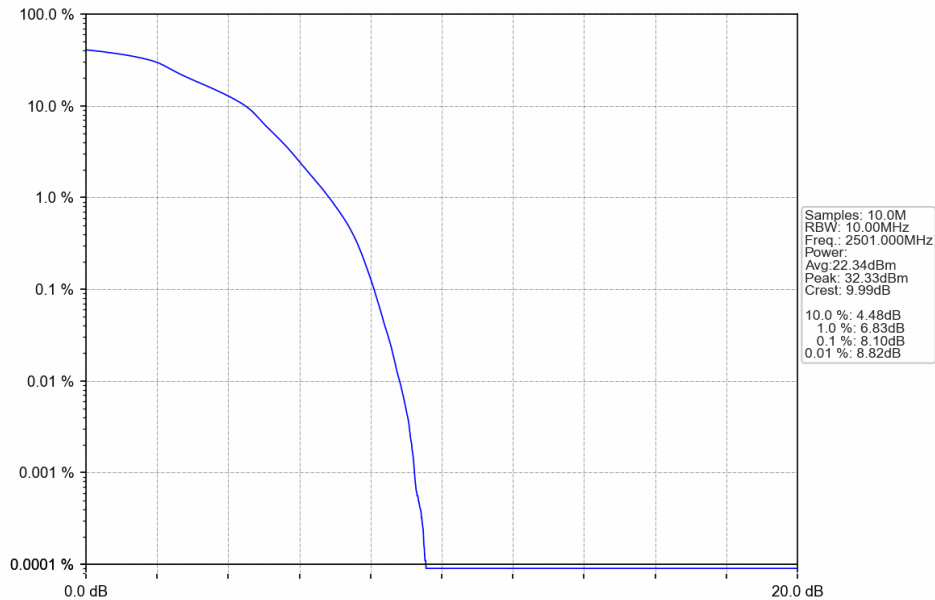
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Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



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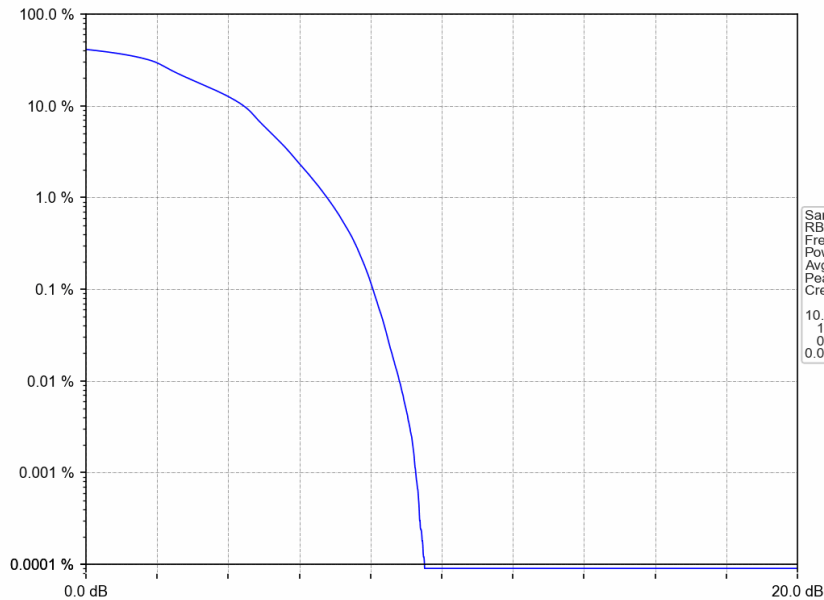
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Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq.: 2593.000MHz
Power:
Avg: 22.63dBm
Peak: 32.51dBm
Crest: 9.88dB
10.0 %: 4.43dB
1.0 %: 6.77dB
0.1 %: 8.07dB
0.01 %: 8.81dB



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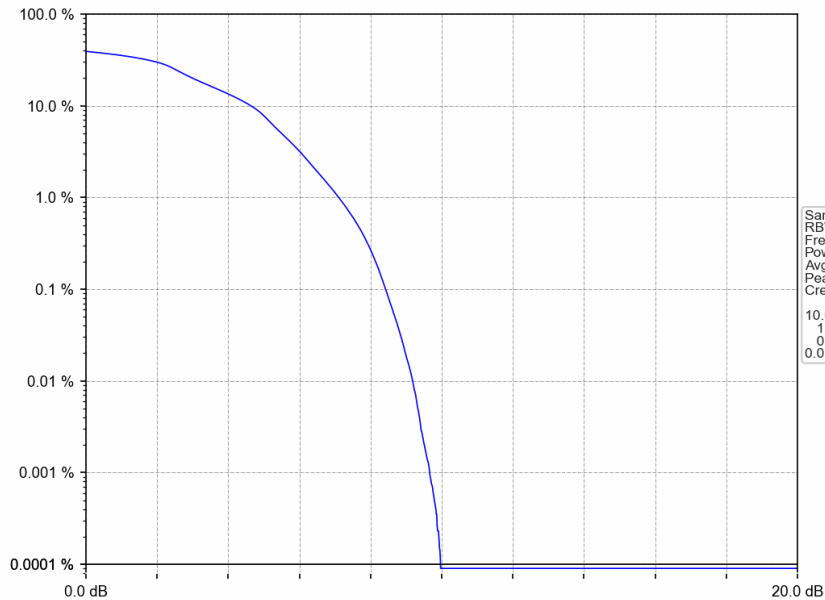
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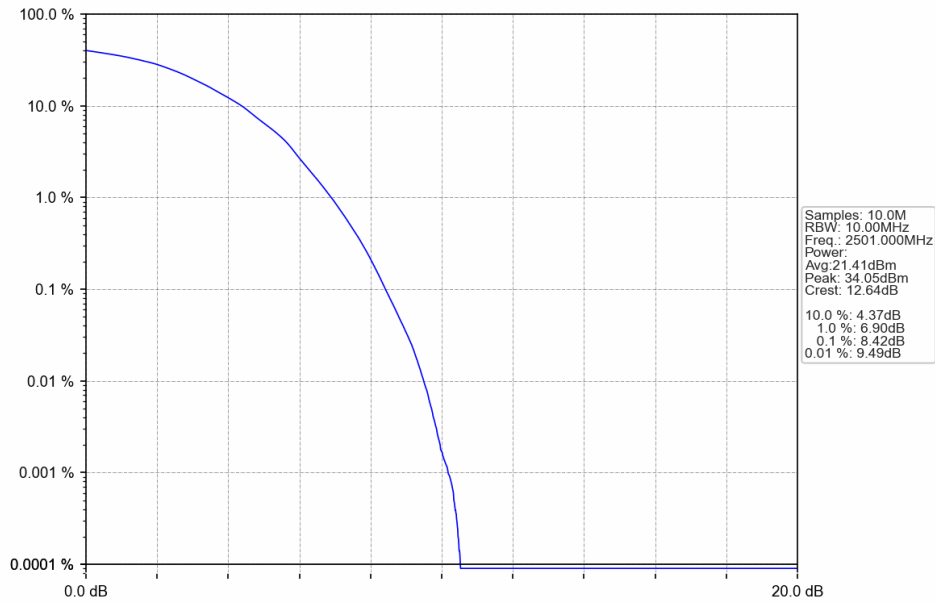
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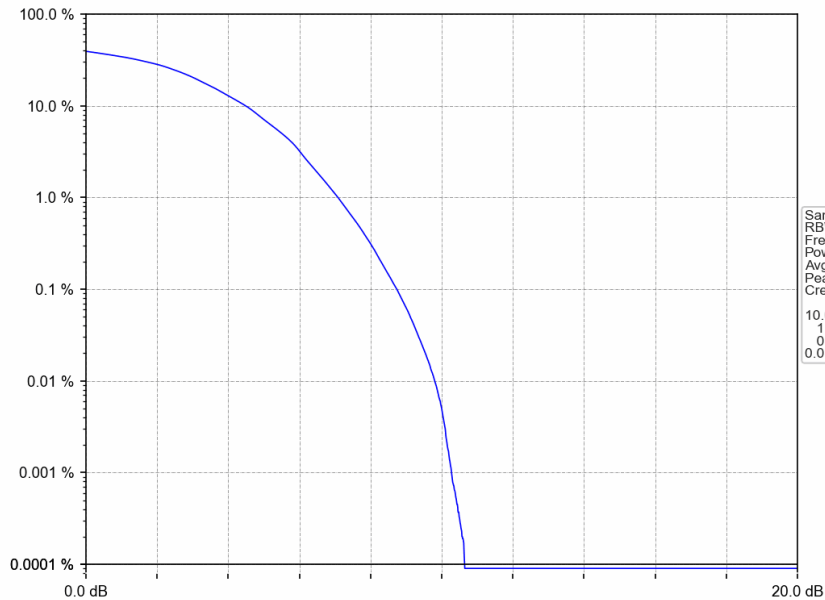
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Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV



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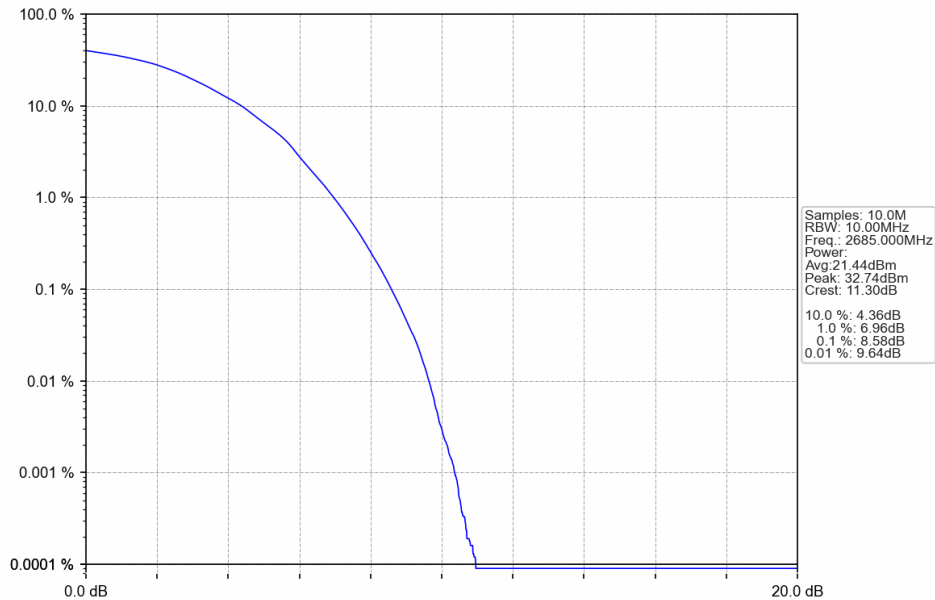
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Band41_10MHz_64QAM_HCH_2685MHz_RB_50_0_NTNV



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3.3 B41_15MHz

3.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.71	<=13	Pass
	2593	75	0	7.58	<=13	Pass
	2682.5	75	0	7.53	<=13	Pass
16QAM	2503.5	75	0	8.16	<=13	Pass
	2593	75	0	8.28	<=13	Pass
	2682.5	75	0	8.34	<=13	Pass
64QAM	2503.5	75	0	8.35	<=13	Pass
	2593	75	0	8.74	<=13	Pass
	2682.5	75	0	8.71	<=13	Pass

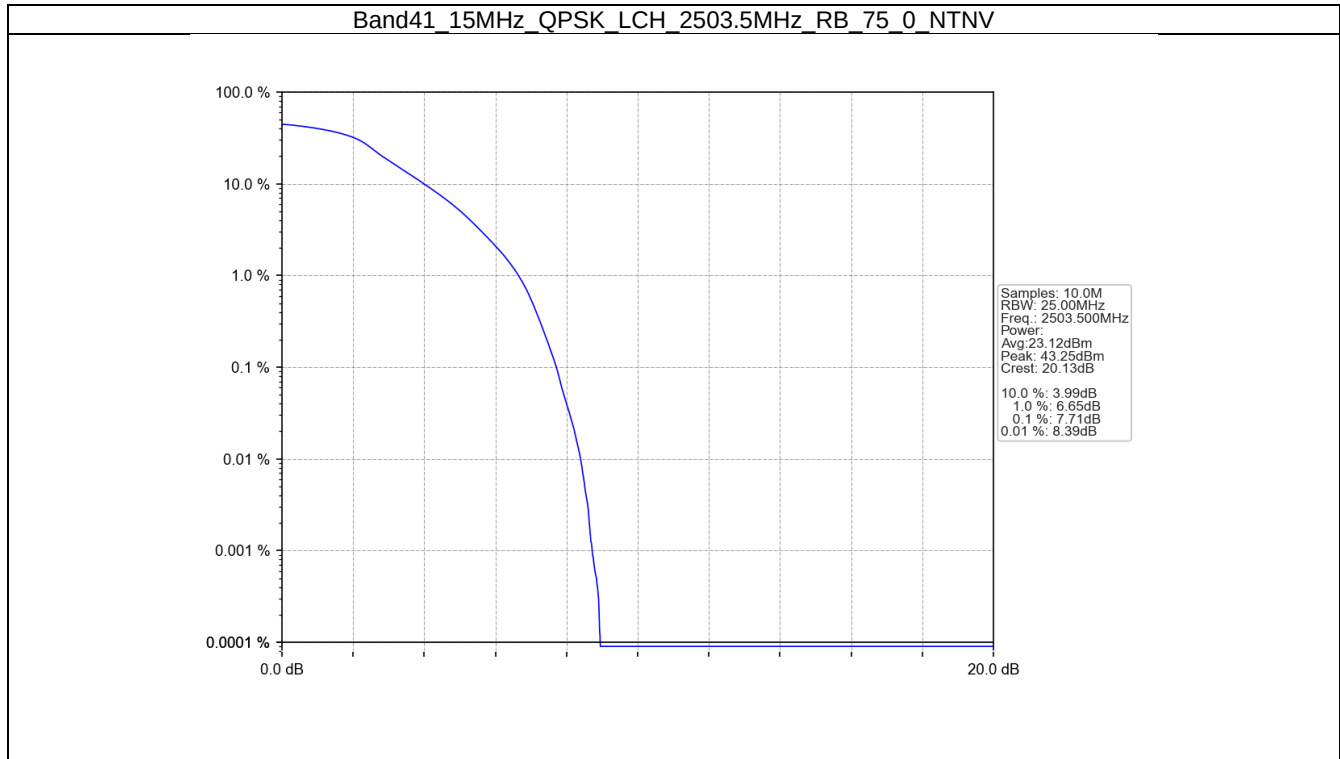


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3.3.2 Test Graph



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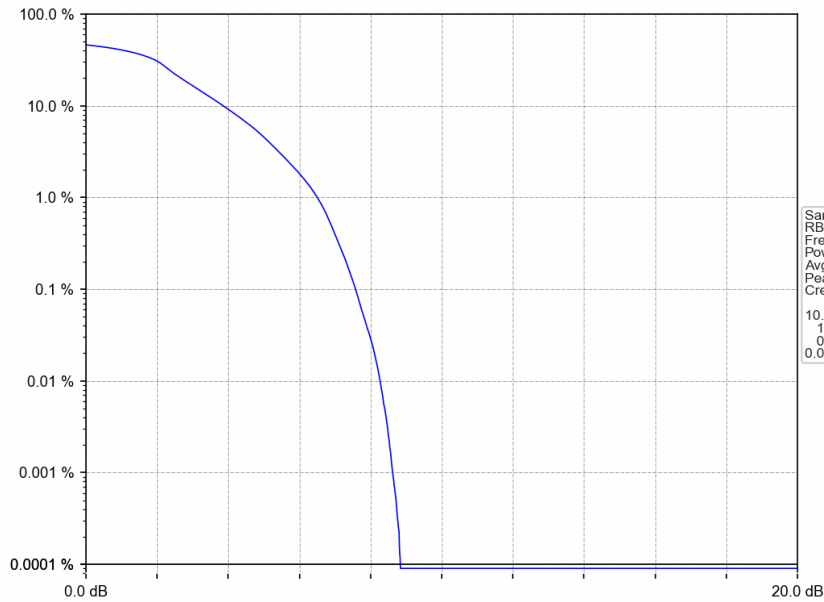
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Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2593.000MHz
Power:
Avg: 23.56dBm
Peak: 37.30dBm
Crest: 13.74dB
10.0 %: 3.86dB
1.0 %: 6.50dB
0.1 %: 7.58dB
0.01 %: 8.27dB



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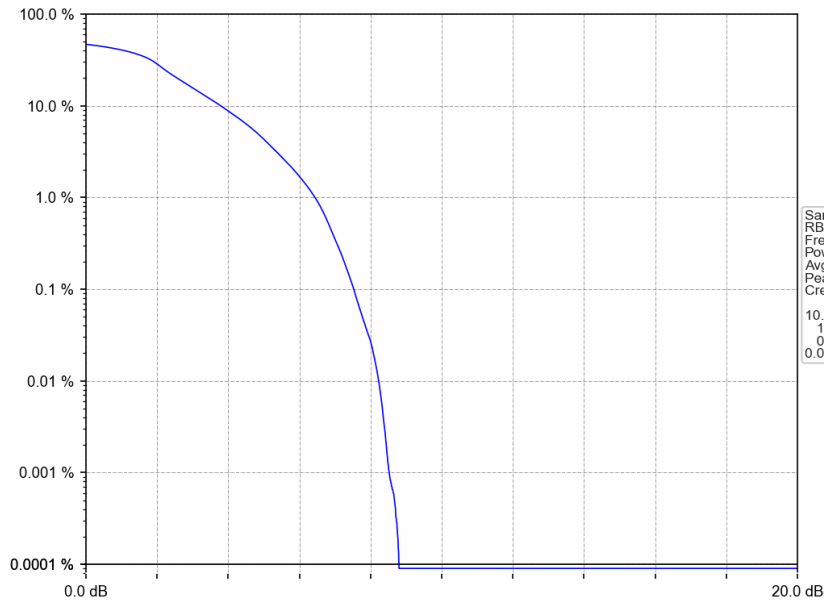
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Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



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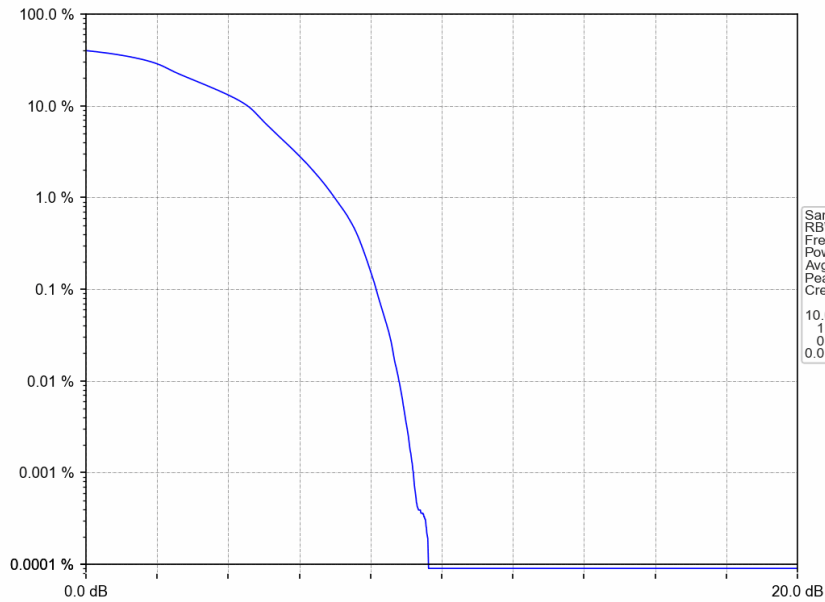
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Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2503.500MHz
Power:
Avg: 22.32dBm
Peak: 34.32dBm
Crest: 12.00dB
10.0 %: 4.54dB
1.0 %: 6.98dB
0.1 %: 8.16dB
0.01 %: 8.80dB



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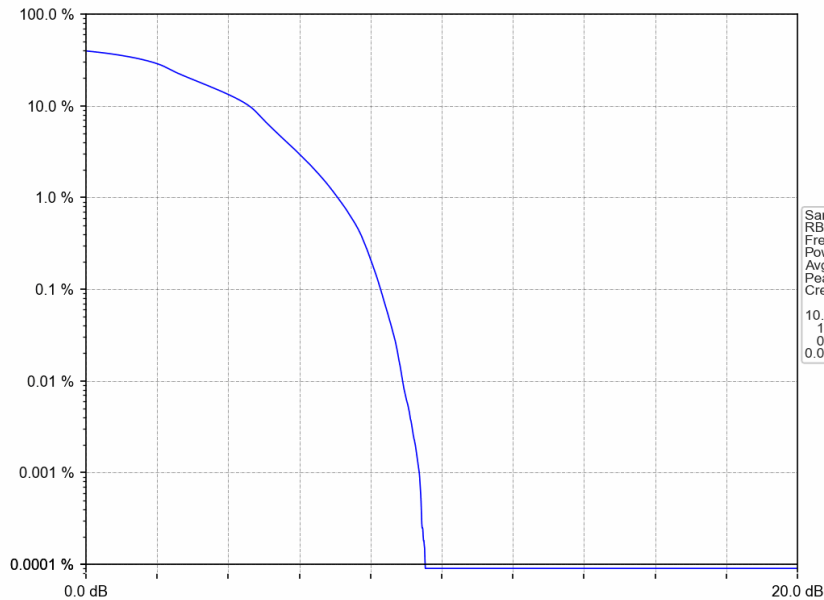
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Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2593.000MHz
Power:
Avg: 22.47dBm
Peak: 32.82dBm
Crest: 10.35dB
10.0 %: 4.58dB
1.0 %: 7.07dB
0.1 %: 8.28dB
0.01 %: 8.90dB



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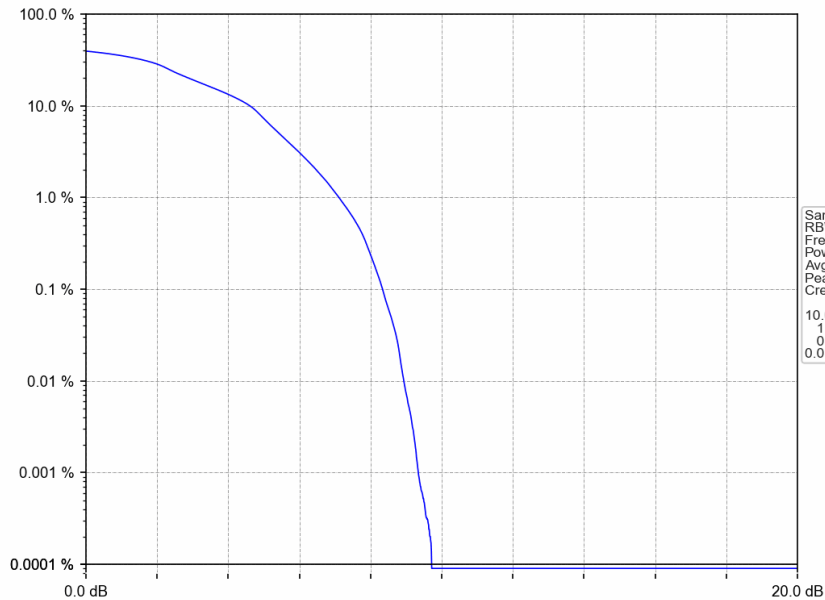
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Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



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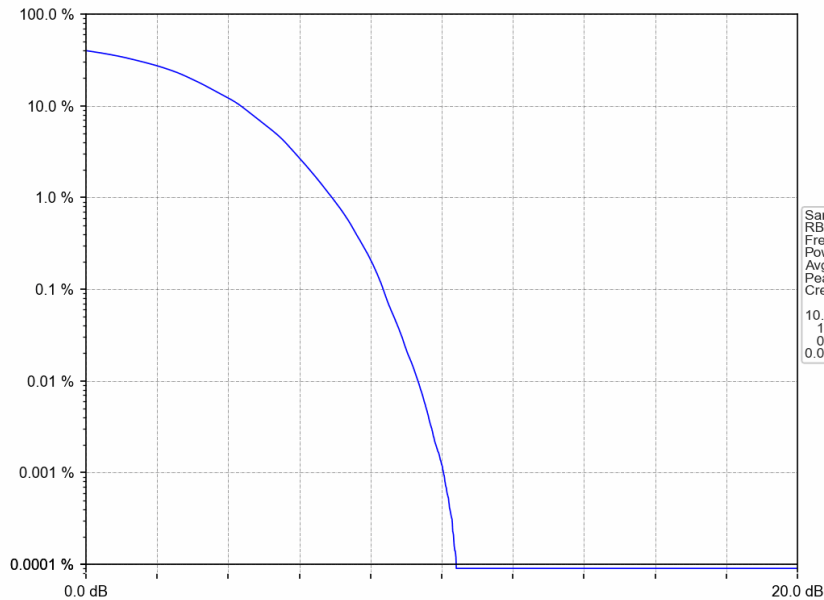
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Band41_15MHz_64QAM_LCH_2503.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2503.500MHz
Power:
Avg: 21.58dBm
Peak: 32.17dBm
Crest: 10.59dB
10.0 %: 4.35dB
1.0 %: 6.91dB
0.1 %: 8.35dB
0.01 %: 9.33dB



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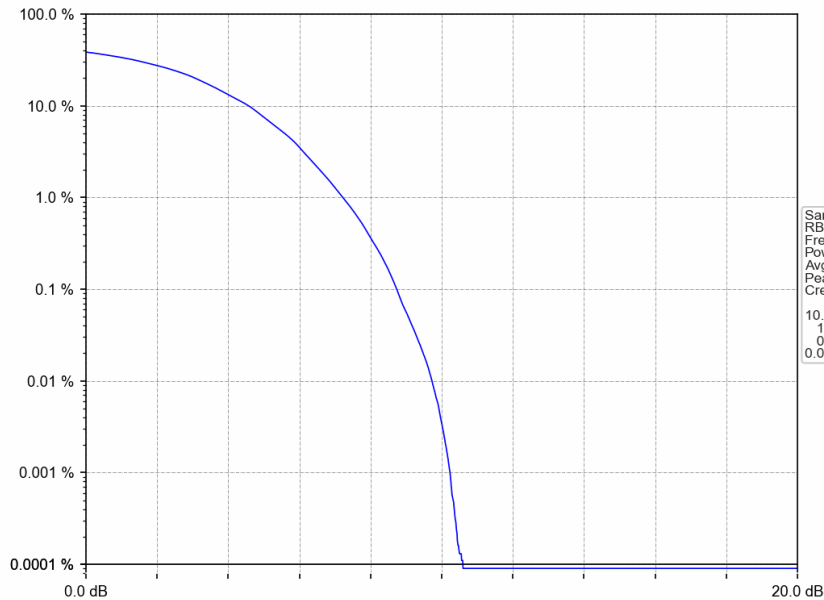
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Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2593.000MHz
Power:
Avg: 21.44dBm
Peak: 35.44dBm
Crest: 14.00dB
10.0 %: 4.57dB
1.0 %: 7.22dB
0.1 %: 8.74dB
0.01 %: 9.73dB



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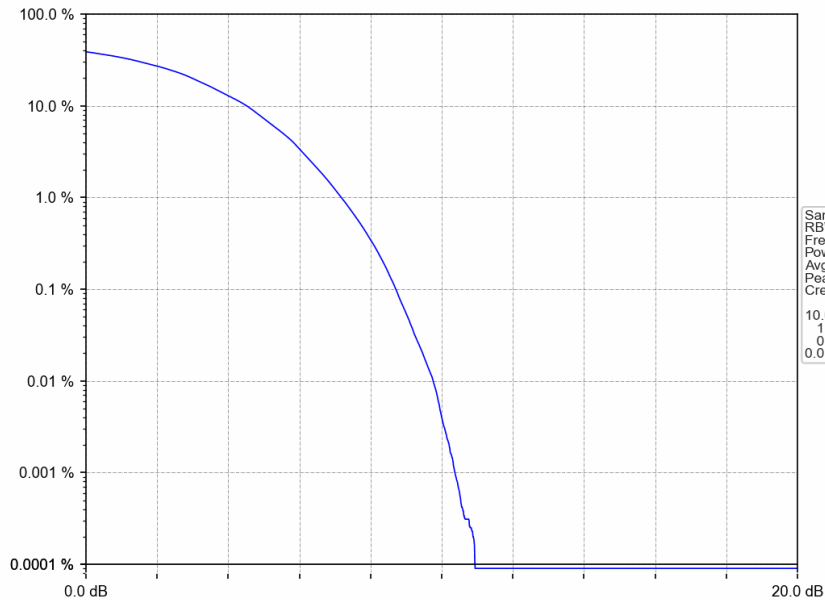
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3.4 B41_20MHz

3.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.46	<=13	Pass
	2593	100	0	7.16	<=13	Pass
	2680	100	0	6.99	<=13	Pass
16QAM	2506	100	0	8.17	<=13	Pass
	2593	100	0	8.09	<=13	Pass
	2680	100	0	7.98	<=13	Pass
64QAM	2506	100	0	8.66	<=13	Pass
	2593	100	0	8.79	<=13	Pass
	2680	100	0	8.50	<=13	Pass

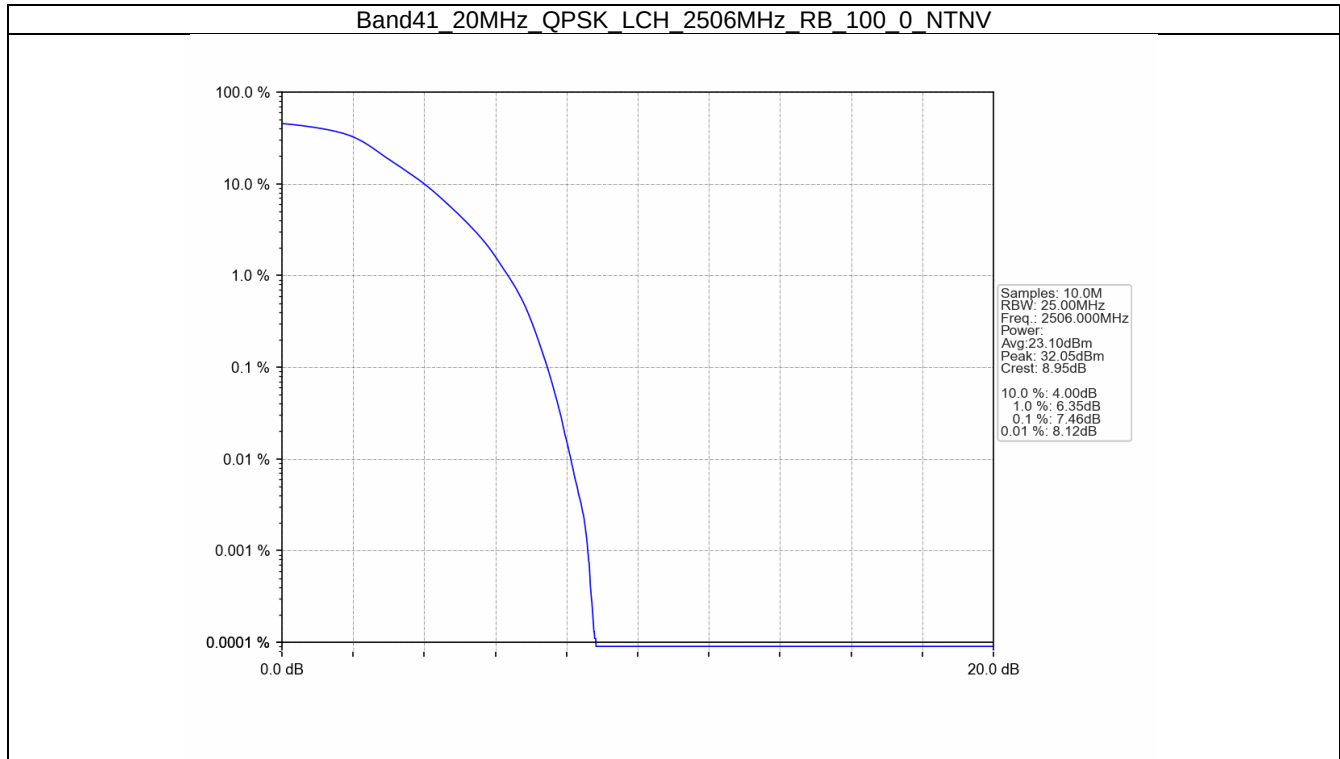


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3.4.2 Test Graph



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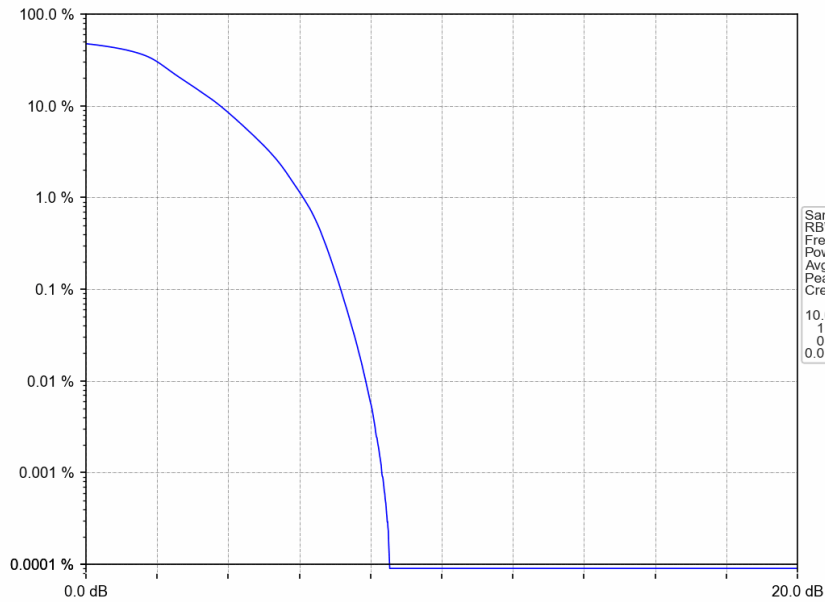
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Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



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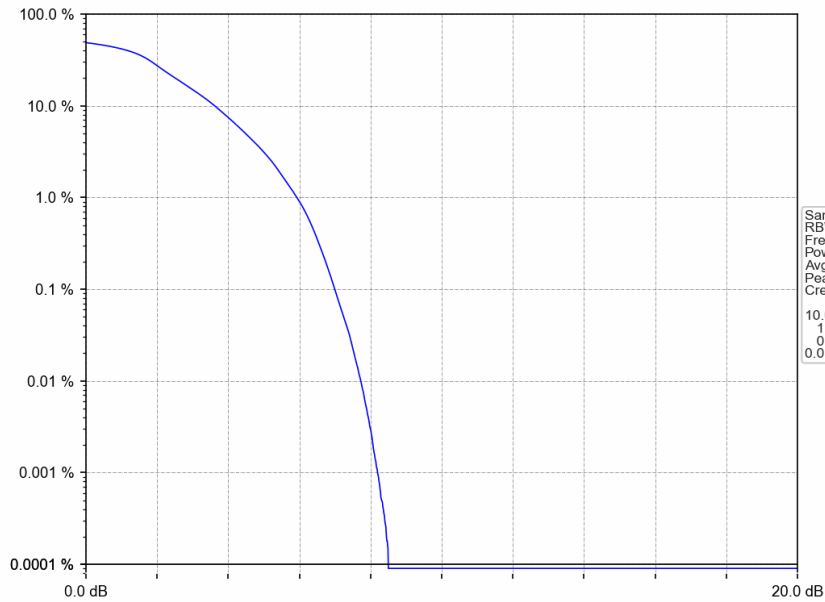
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Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



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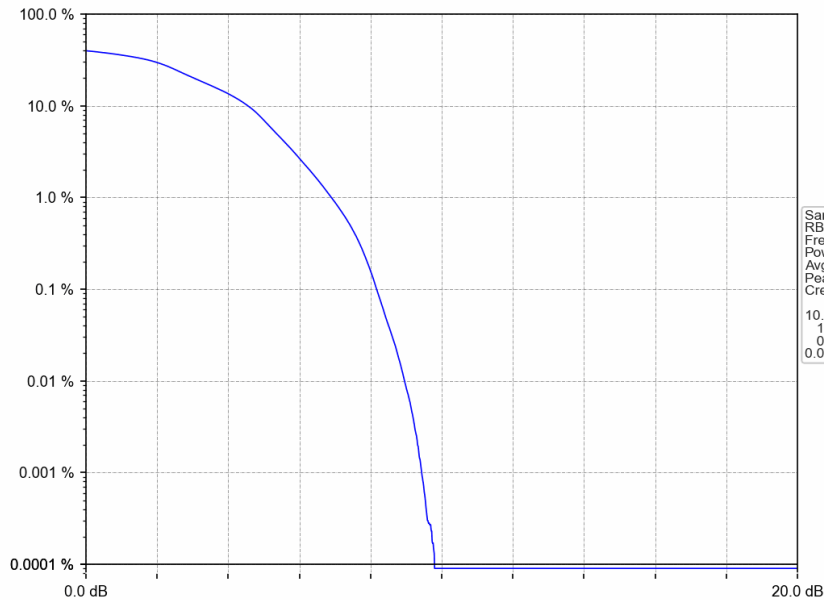
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Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



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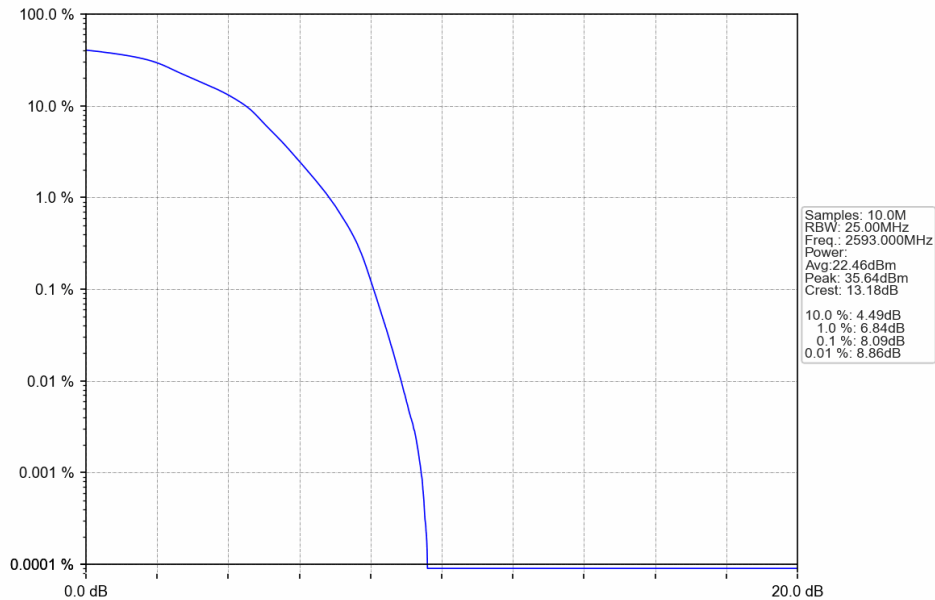
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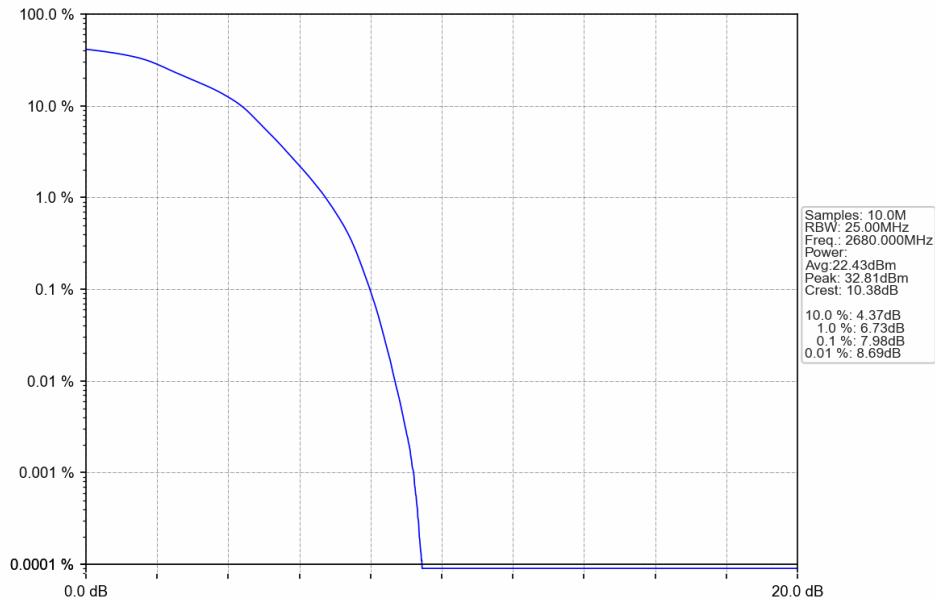
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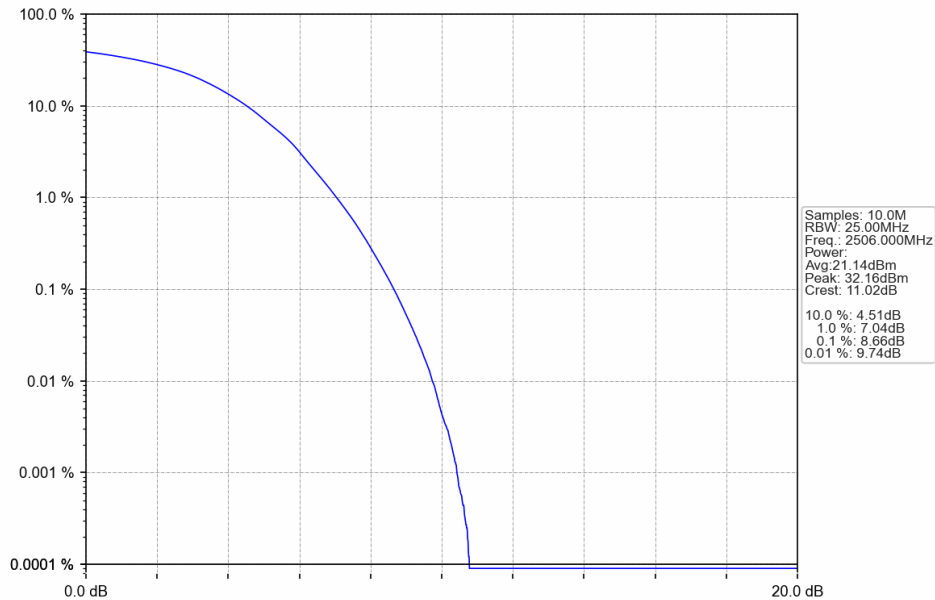
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Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV



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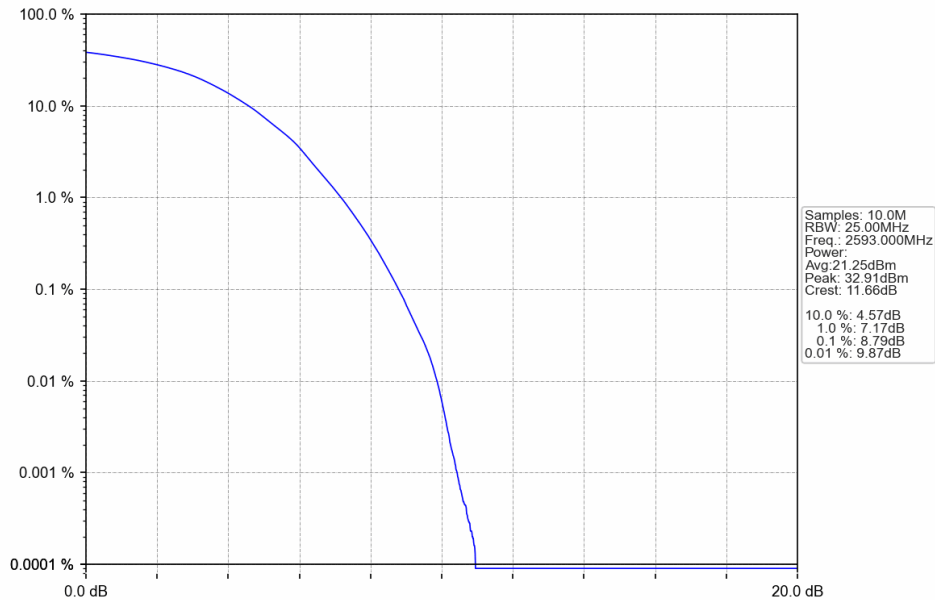
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Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



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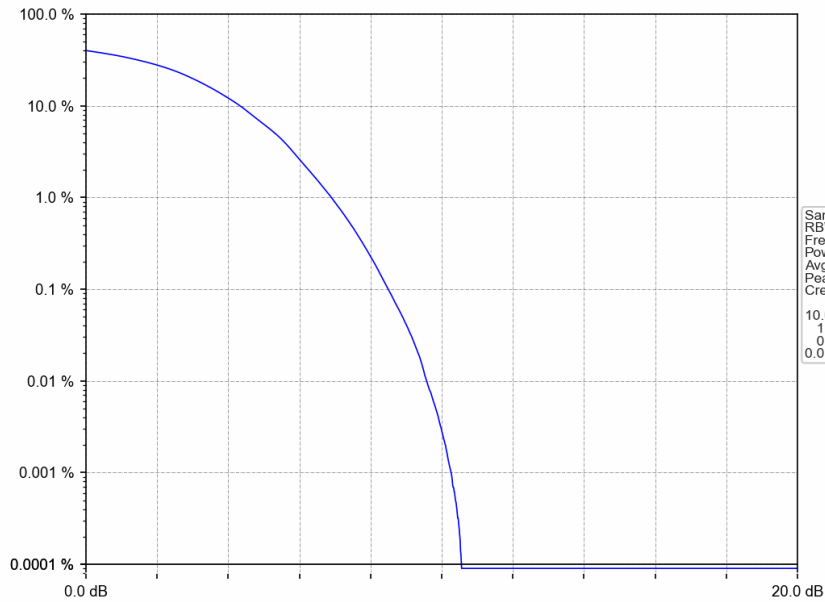
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Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2680.000MHz
Power:
Avg: 21.41dBm
Peak: 32.48dBm
Crest: 11.07dB
10.0 %: 4.33dB
1.0 %: 6.90dB
0.1 %: 8.50dB
0.01 %: 9.58dB



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4. Spurious Emission & Band Edges

4.1 B41_5MHz

4.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

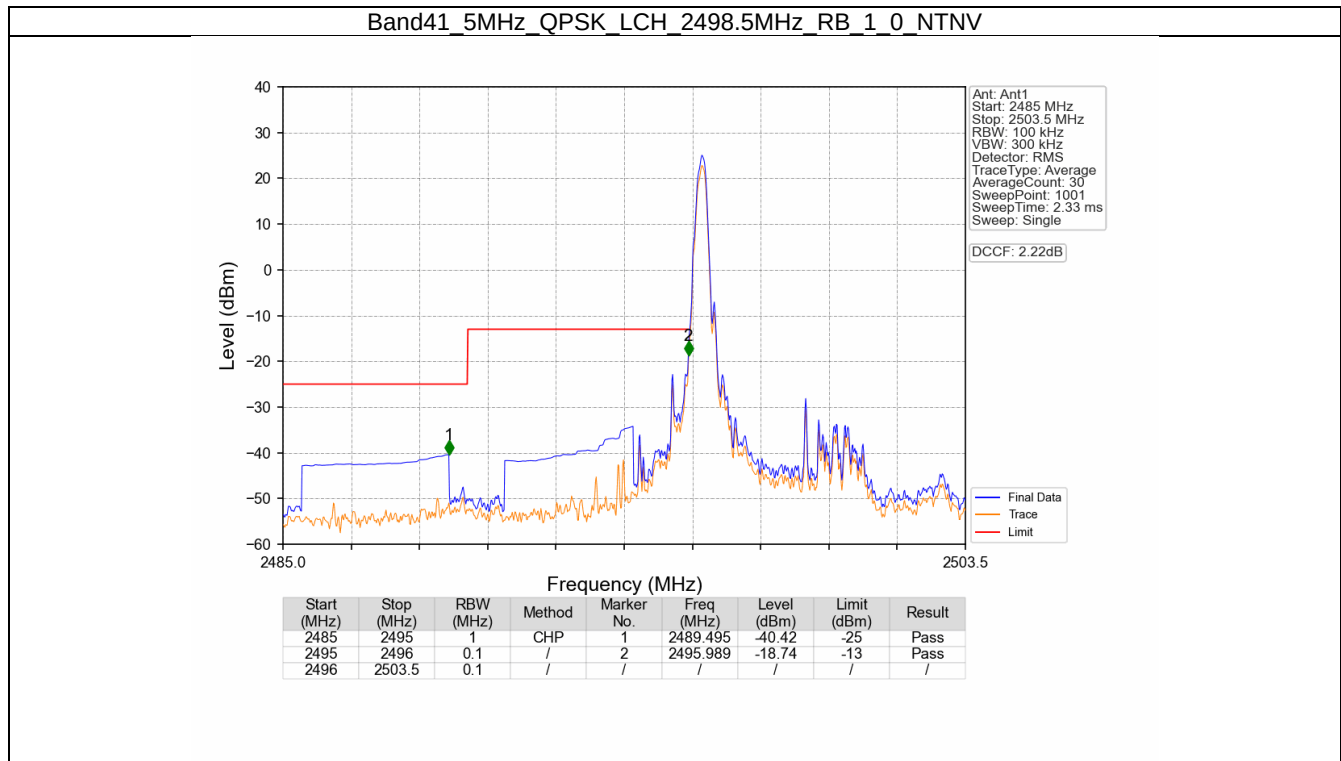


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4.1.2 Test Graph

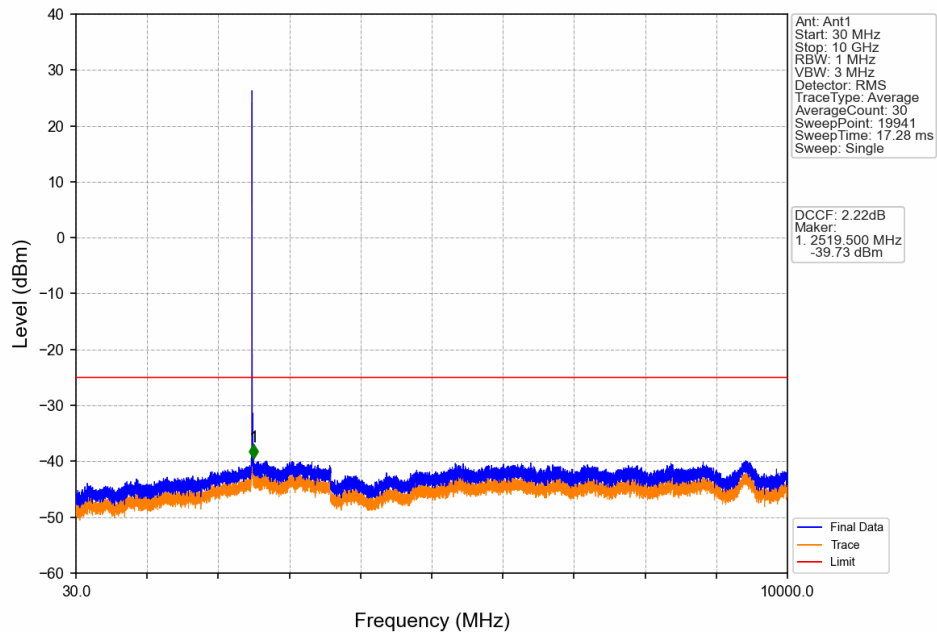


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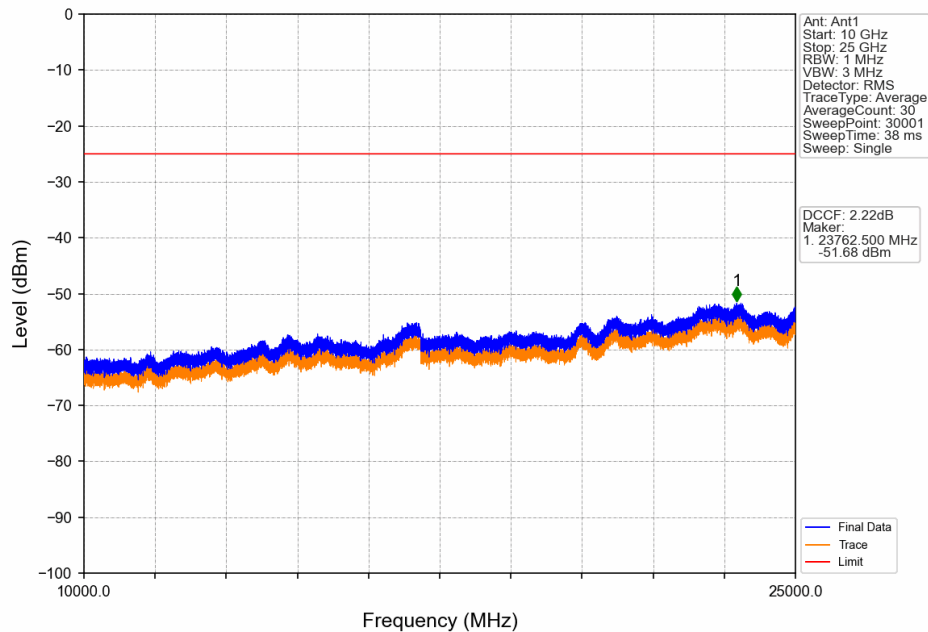
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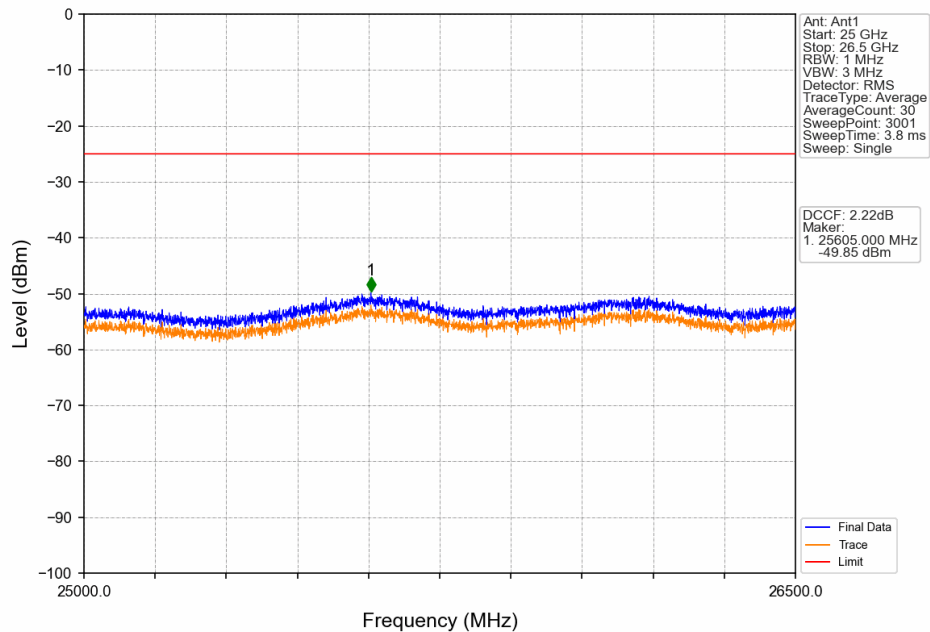
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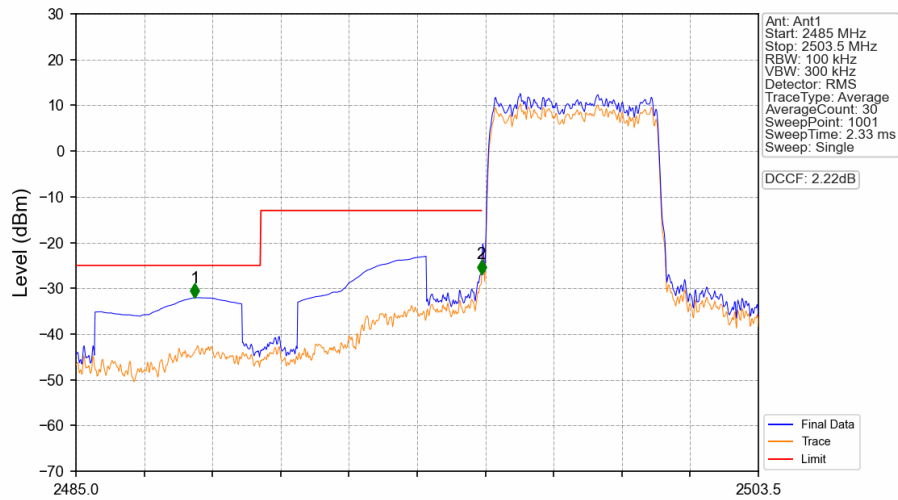
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Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2488.219	-32.05	-25	Pass
2495	2496	0.1	/	2	2495.989	-26.89	-13	Pass
2496	2503.5	0.101	/	/	/	/	/	/



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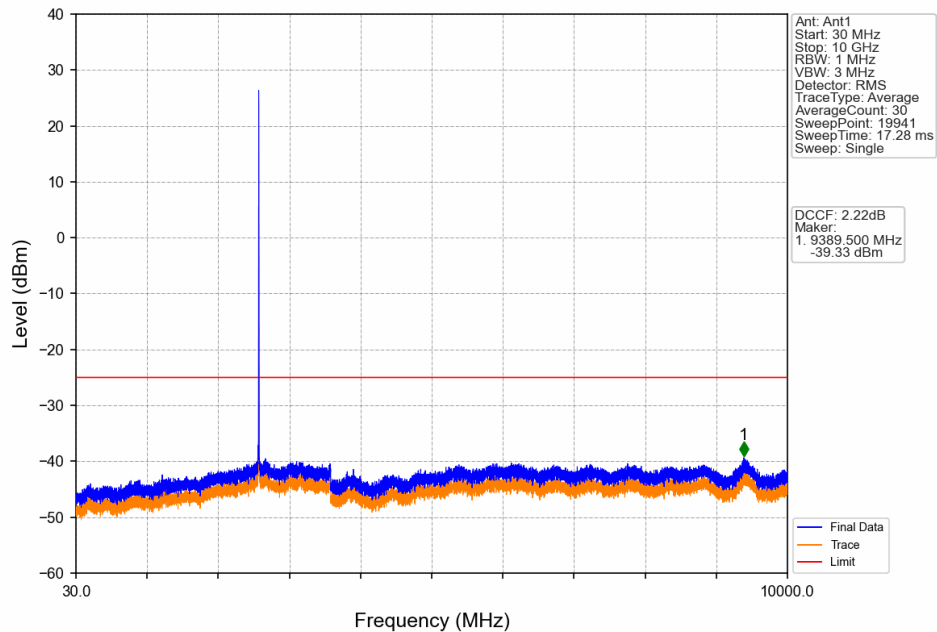
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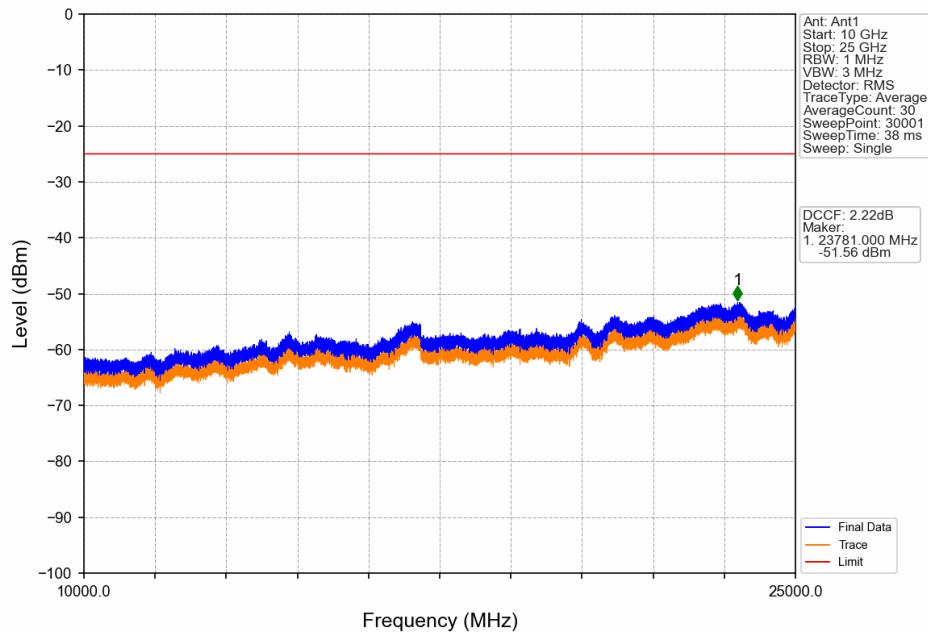
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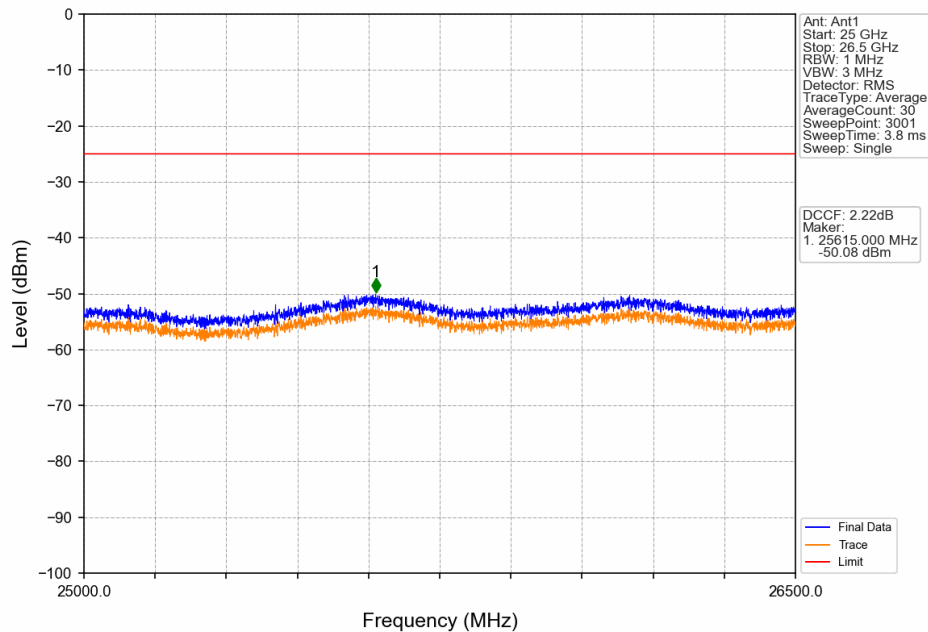
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Rev.: 01

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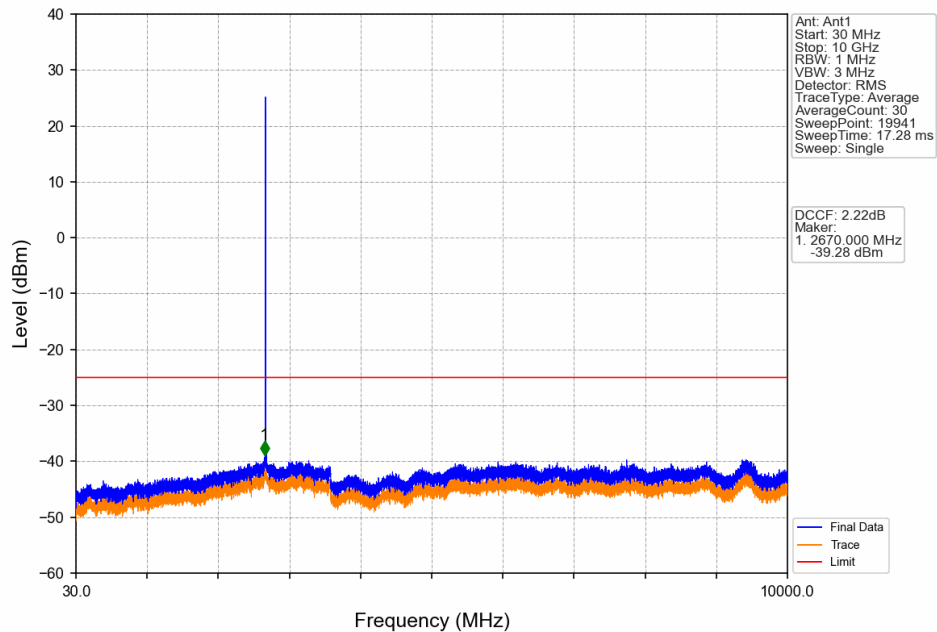
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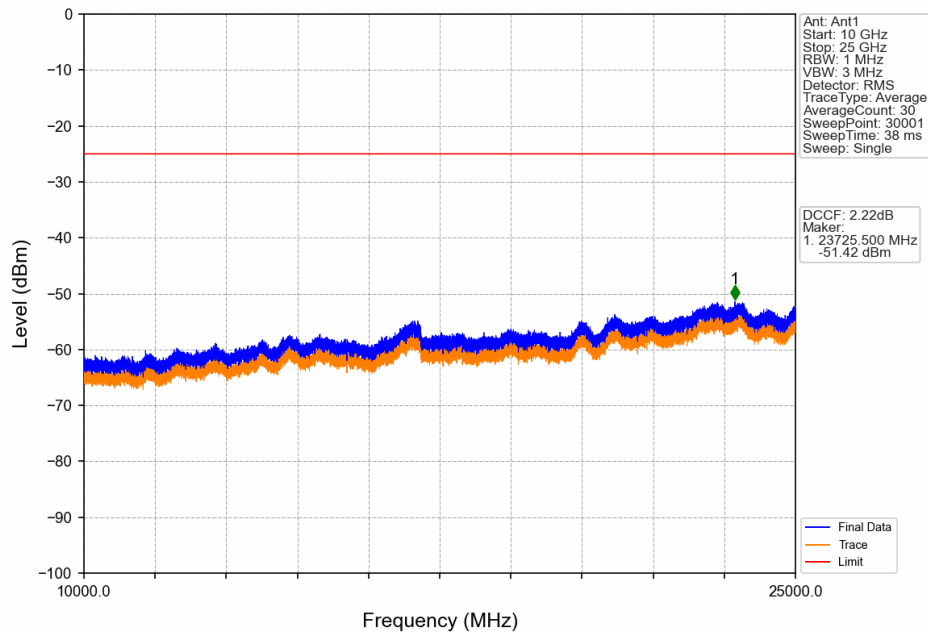
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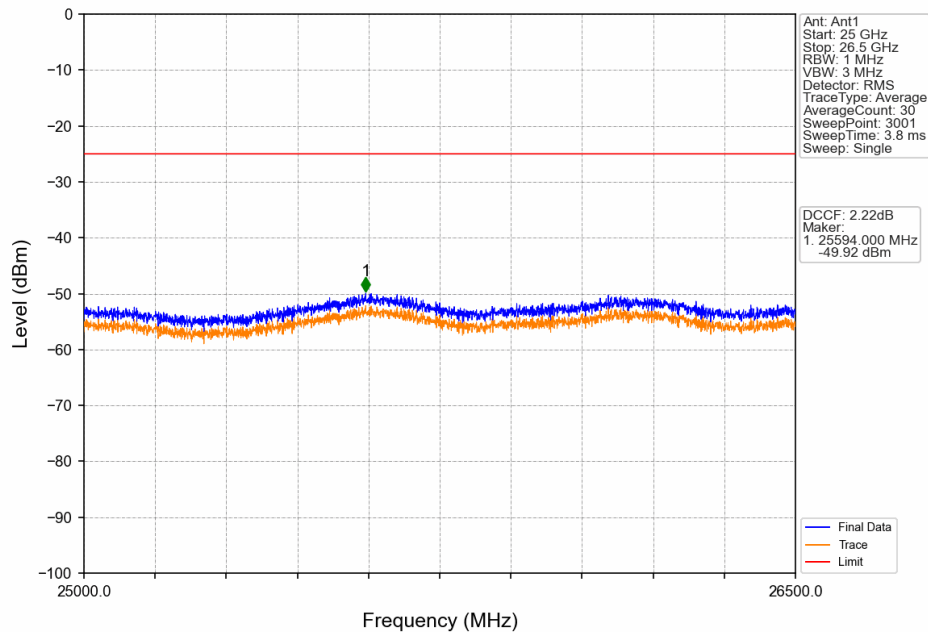
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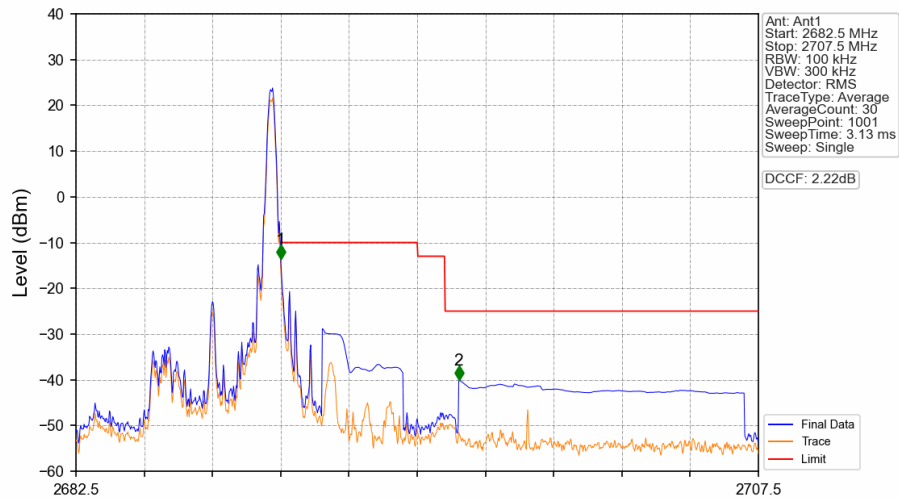
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	1	2690.000	-13.57	-10	Pass
2690	2691	0.1	/	2	2696.525	-40.04	-25	Pass
2691	2707.5	1	CHP					



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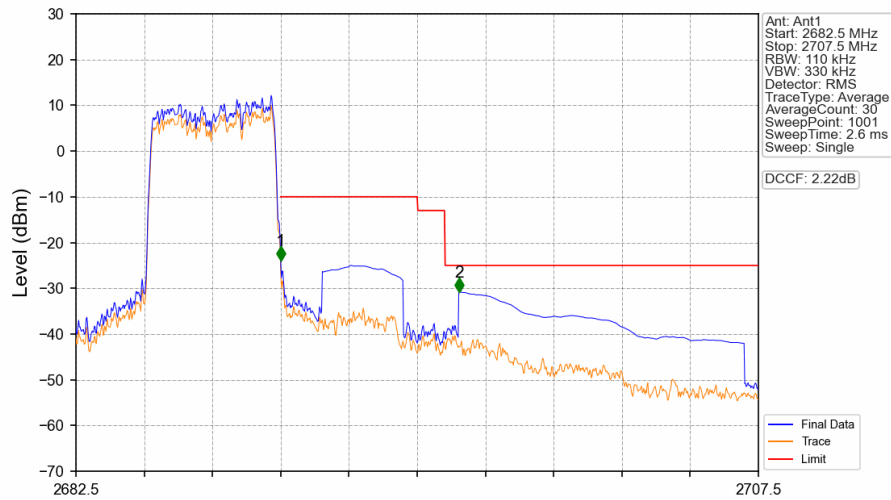
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.11	/	1	2690.000	-23.95	-10	Pass
2691	2707.5	1	CHP	2	2696.550	-30.79	-25	Pass



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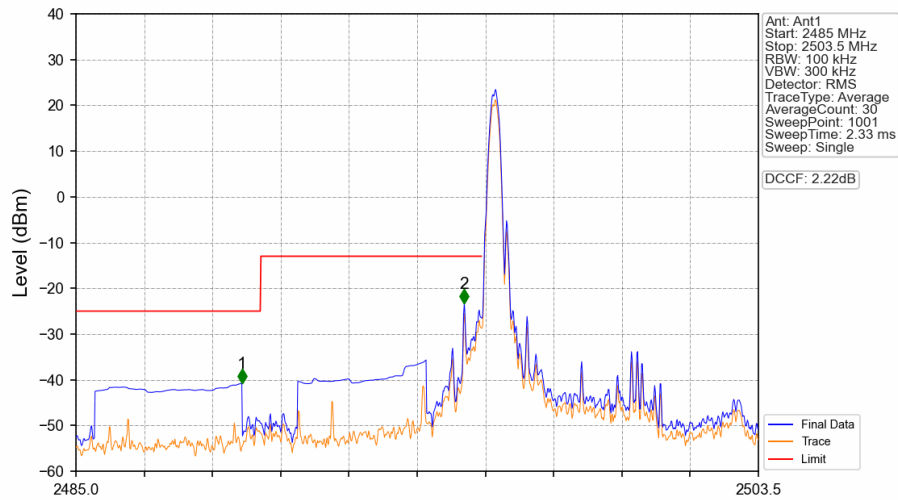
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.495	-40.77	-25	Pass
2495	2496	0.1	/	2	2495.526	-23.30	-13	Pass
2496	2503.5	0.1	/	/	/	/	/	/



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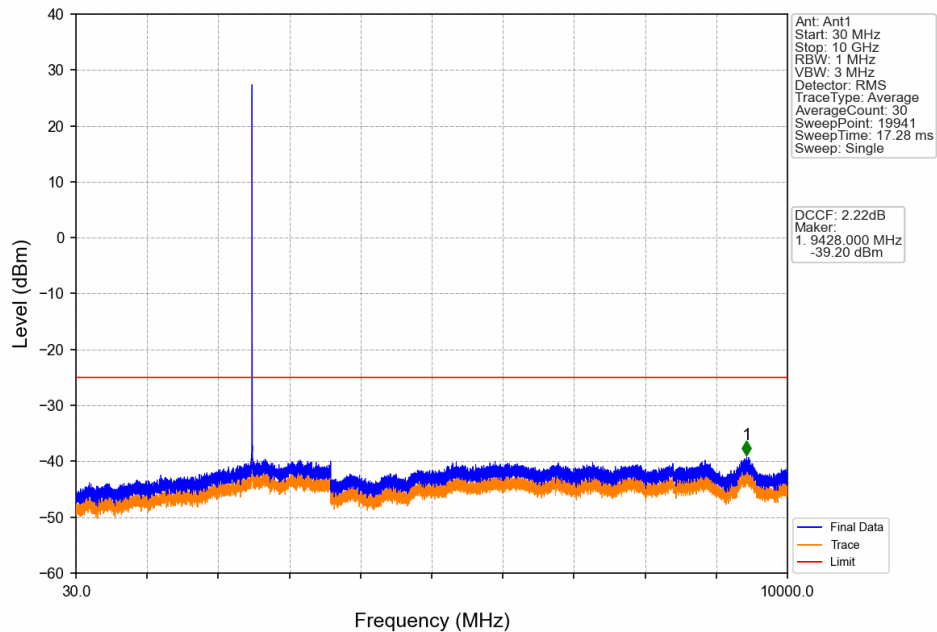
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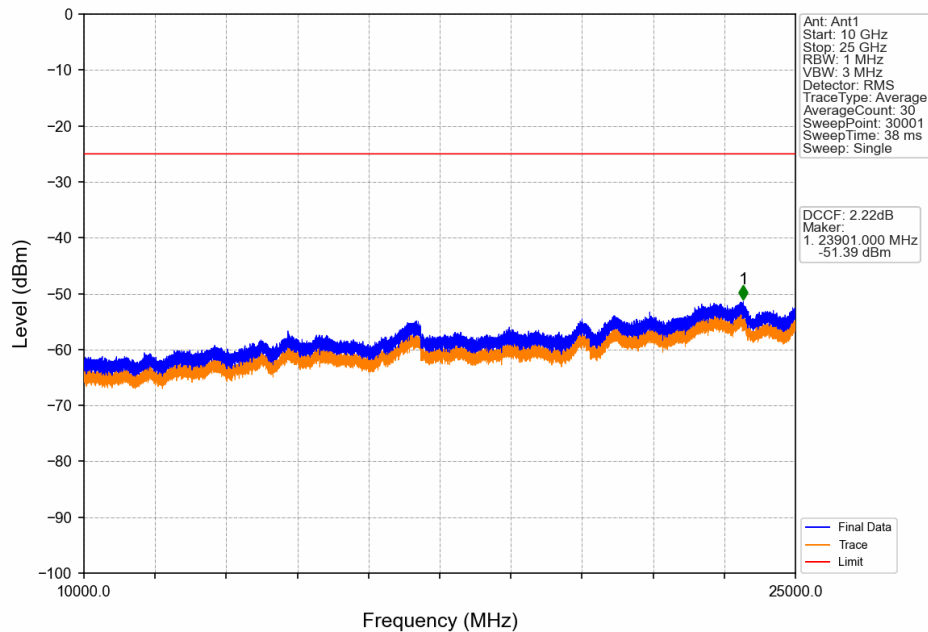
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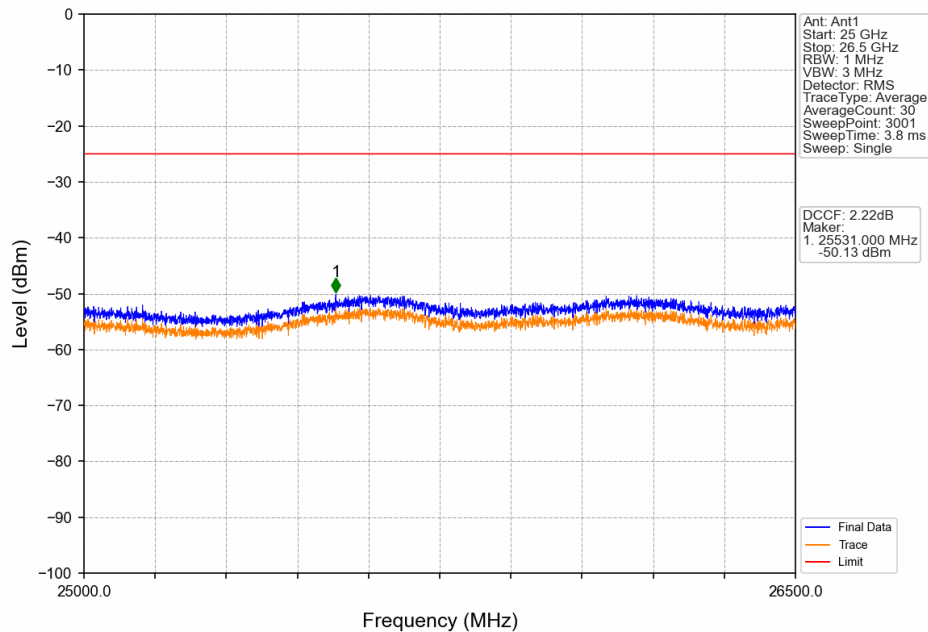
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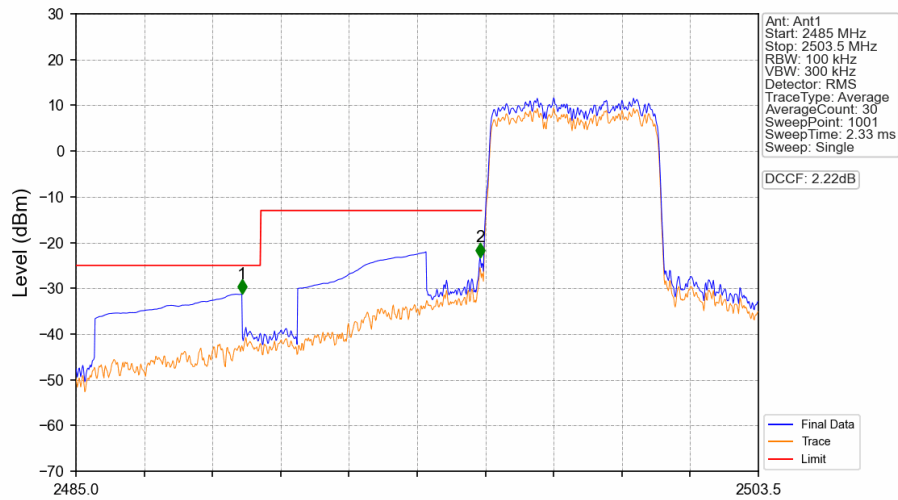
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Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.495	-31.27	-25	Pass
2495	2496	0.1	/	2	2495.952	-23.19	-13	Pass
2496	2503.5	0.101	/	/	/	/	/	/



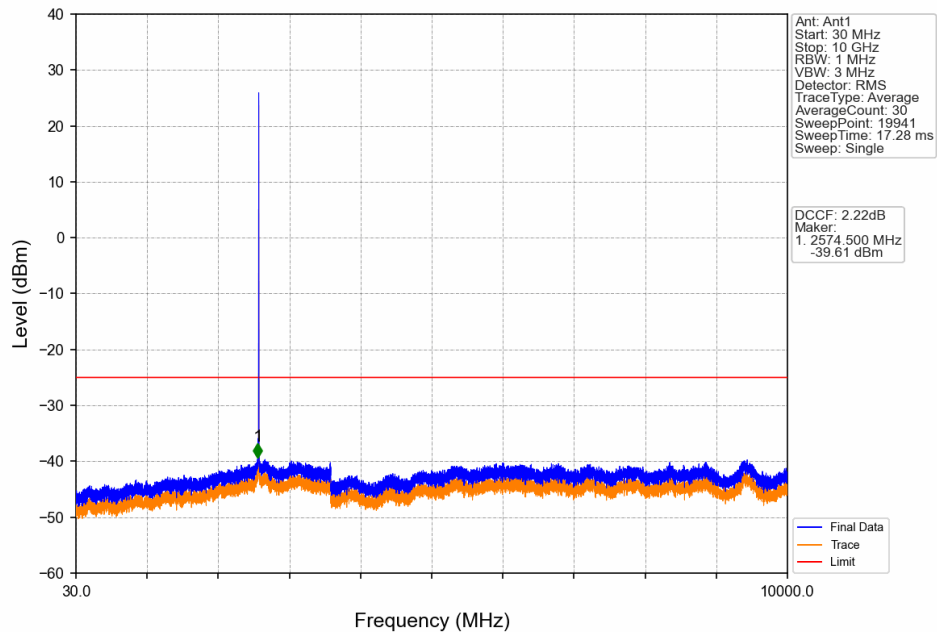
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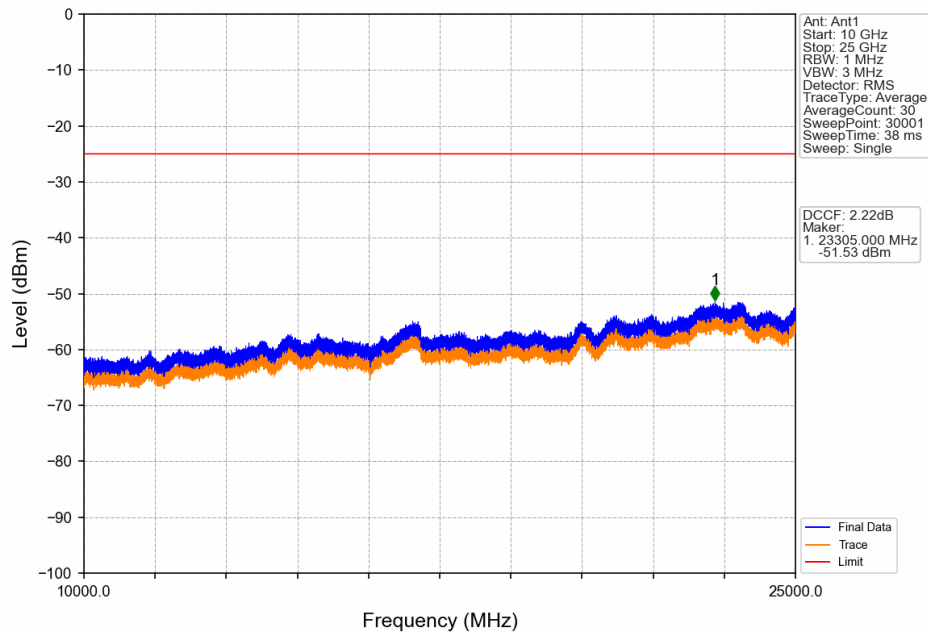
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Rev.: 01

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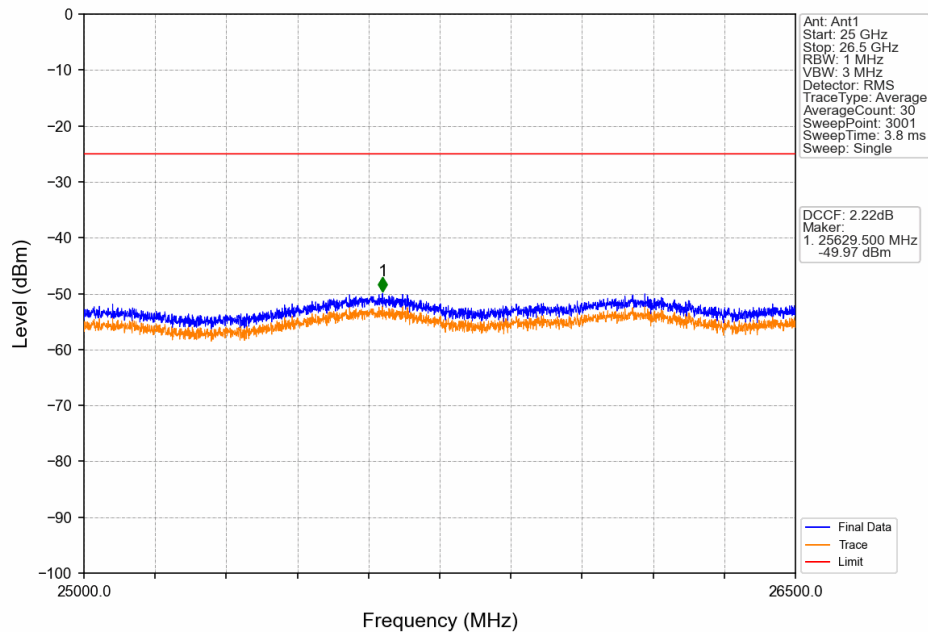
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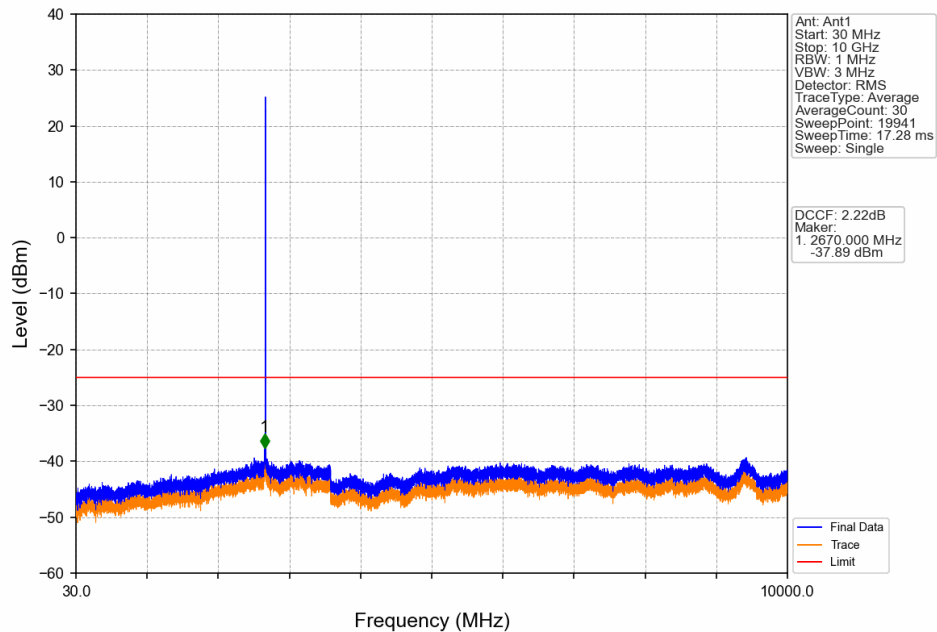
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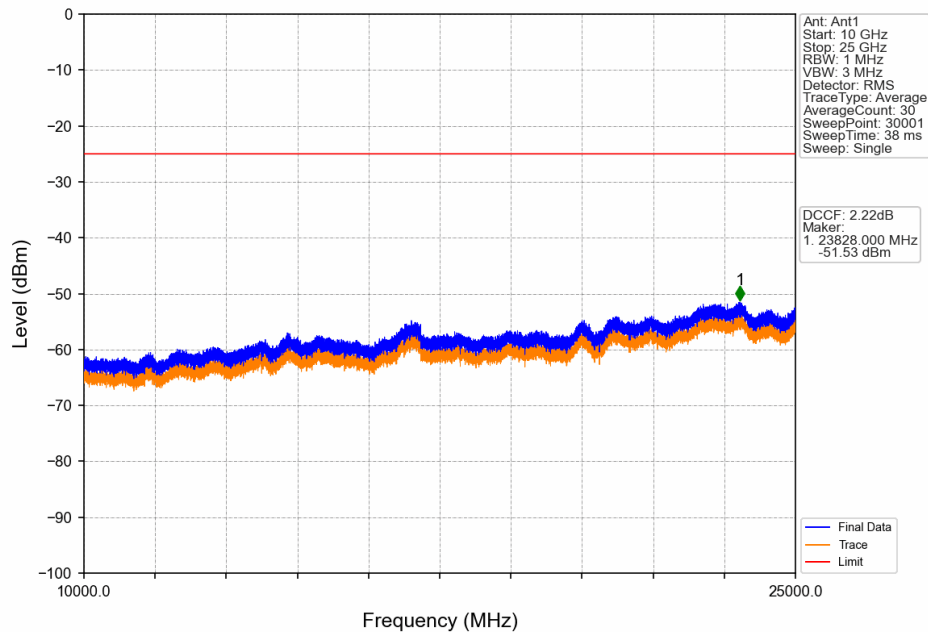


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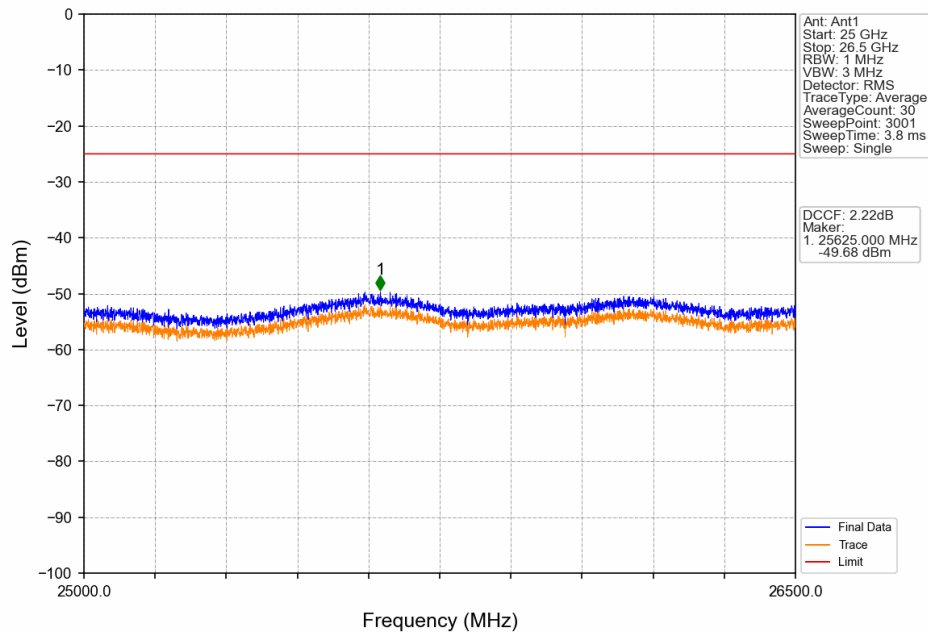
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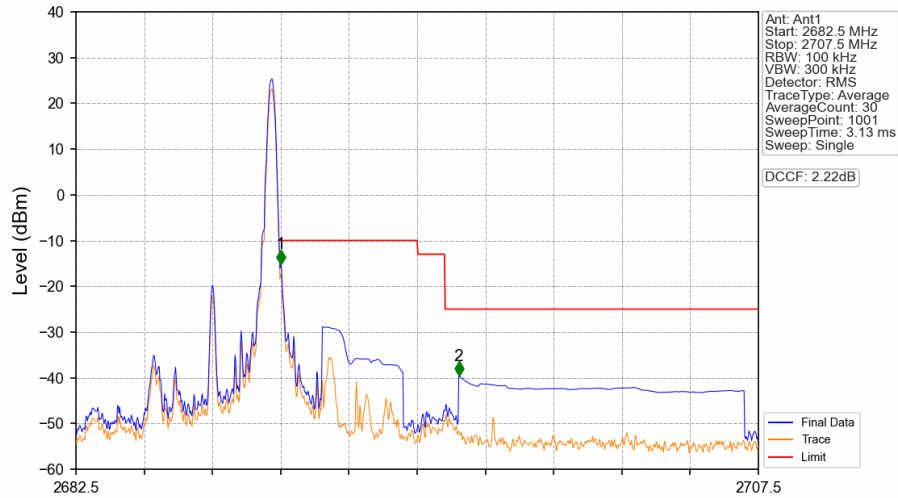
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Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	1	2690.000	-15.11	-10	Pass
2691	2707.5	1	CHP	2	2696.525	-39.62	-25	Pass

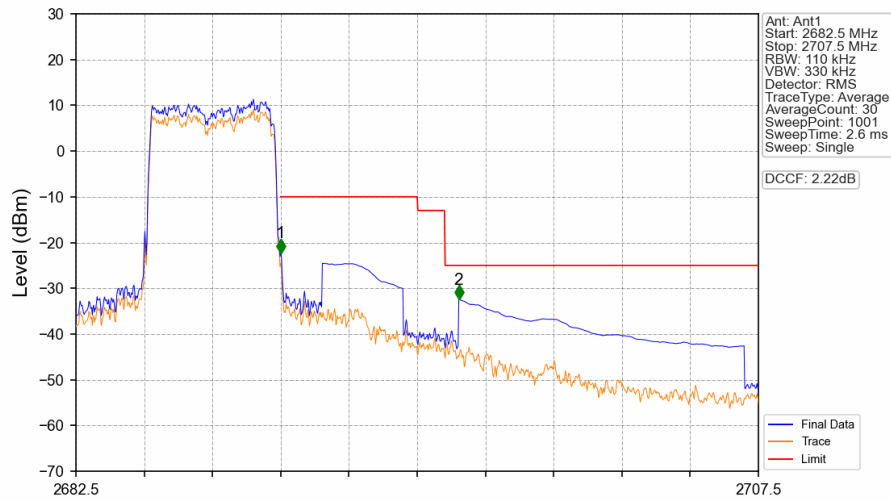


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Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.11	/	1	2690.000	-22.32	-10	Pass
2691	2707.5	1	CHP	2	2696.525	-32.48	-25	Pass



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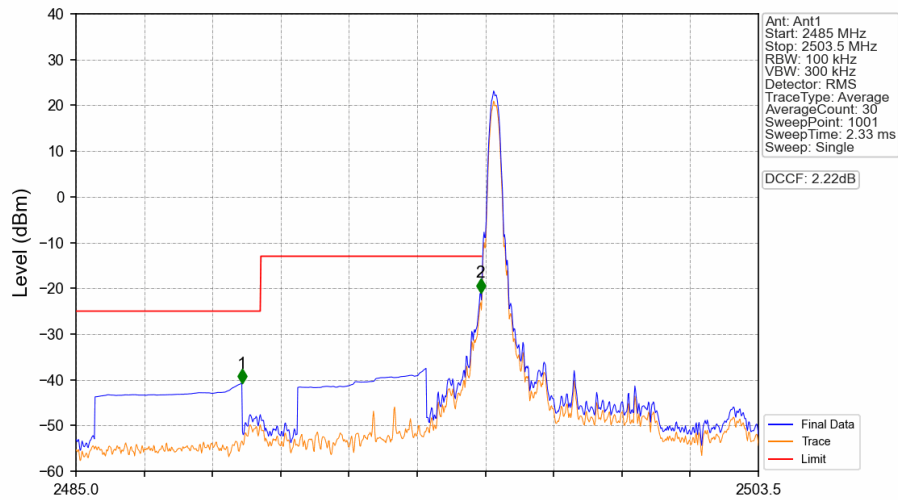
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Band41_5MHz_64QAM_LCH_2498.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.495	-40.73	-25	Pass
2495	2496	0.1	/	2	2495.970	-20.93	-13	Pass
2496	2503.5	0.1	/	/	/	/	/	/



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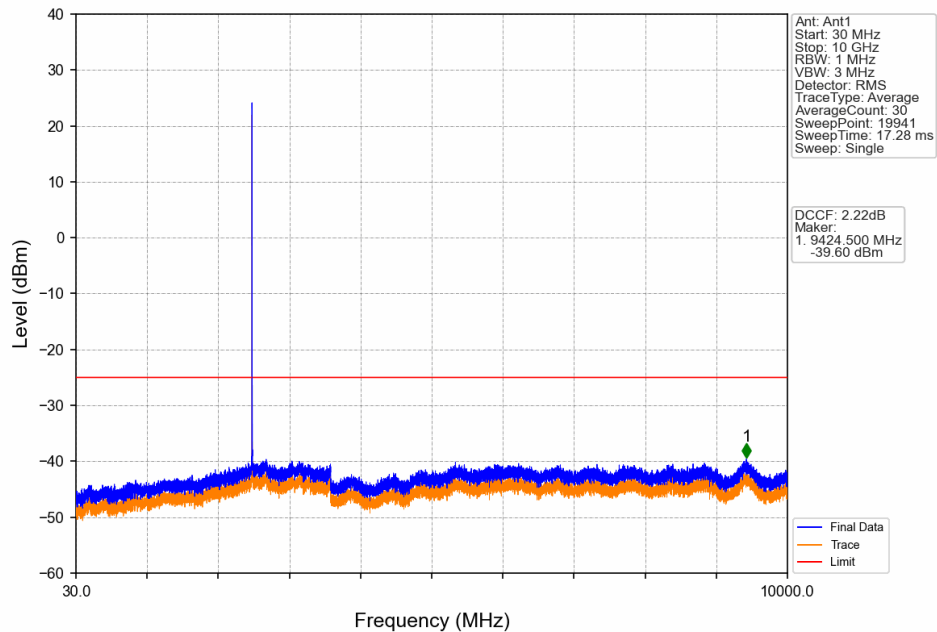
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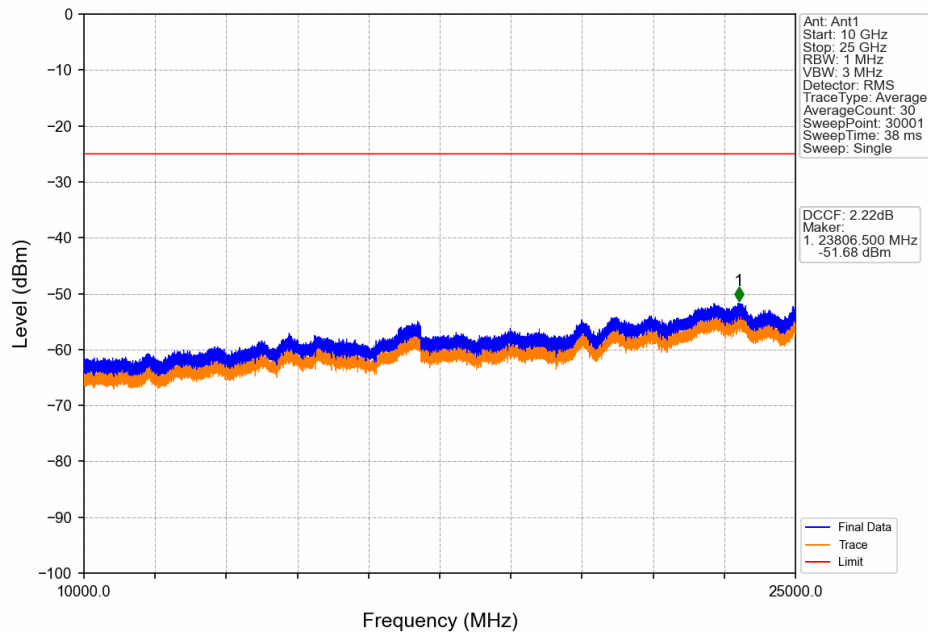
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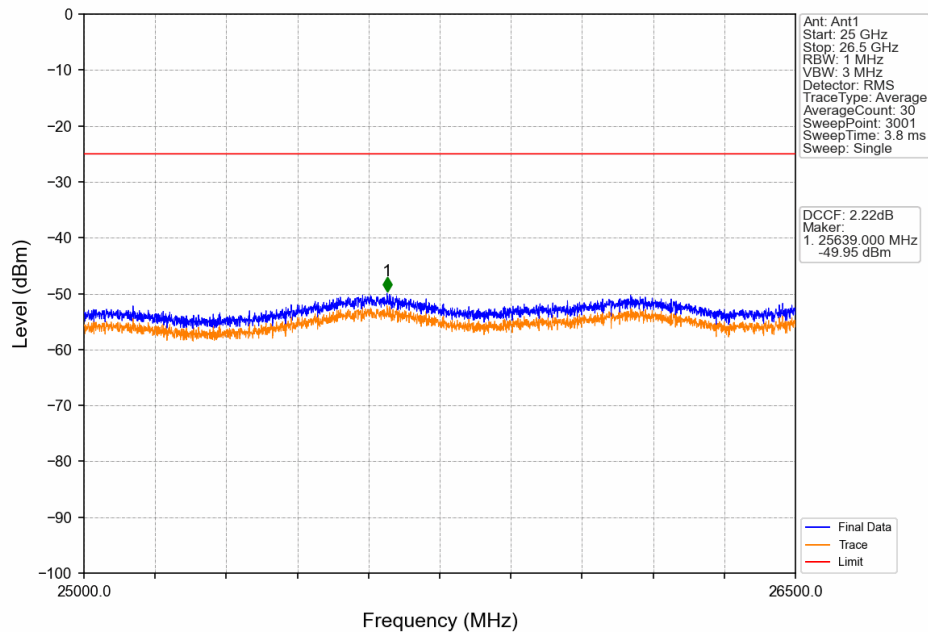
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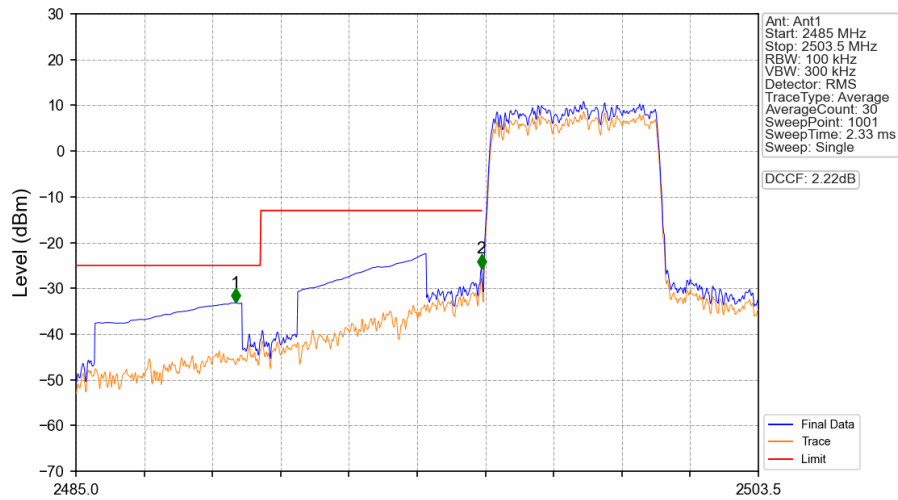
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Band41_5MHz_64QAM_LCH_2498.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.329	-33.22	-25	Pass
2495	2496	0.1	/	2	2495.989	-25.65	-13	Pass
2496	2503.5	0.101	/	/	/	/	/	/



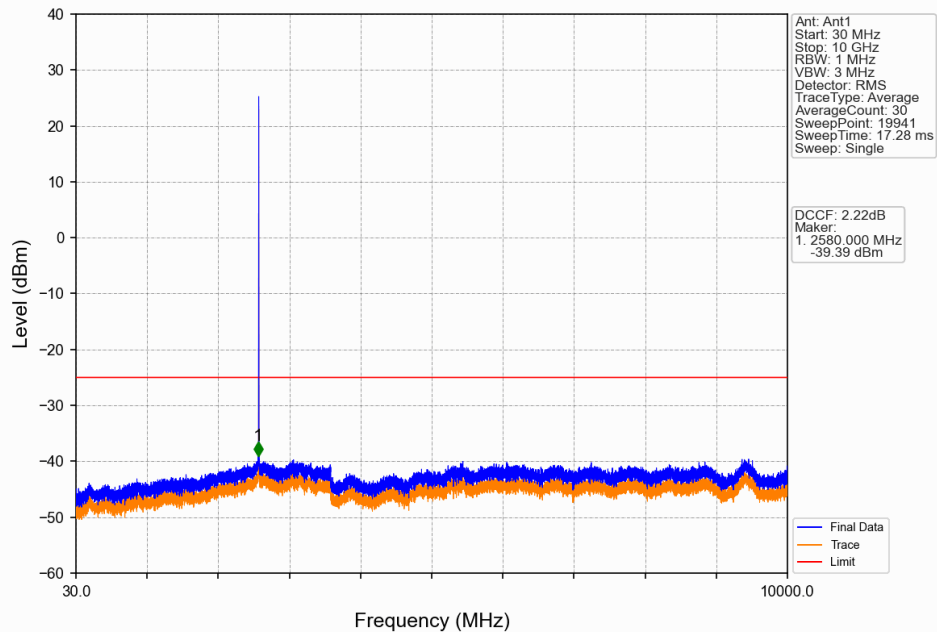
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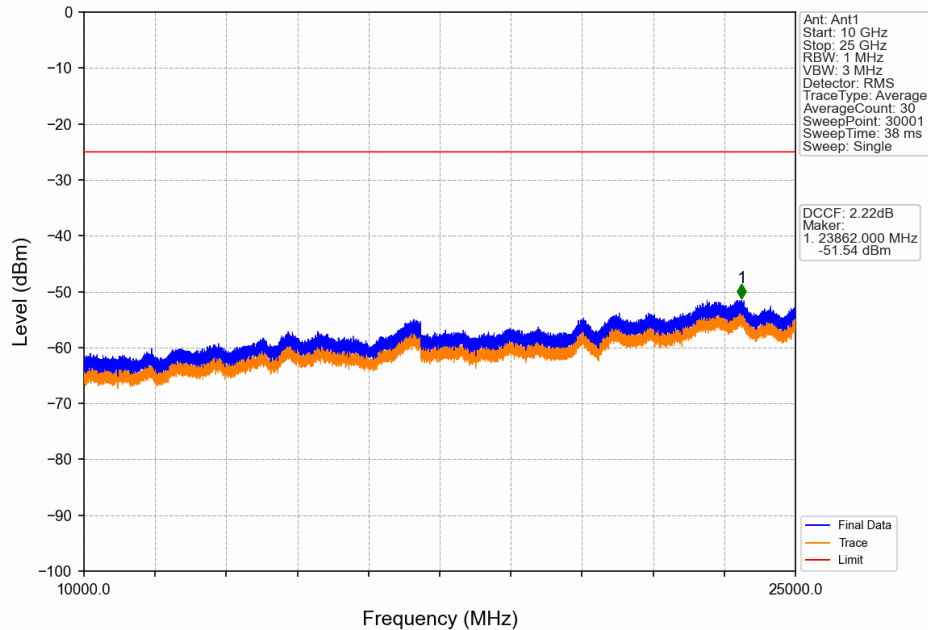
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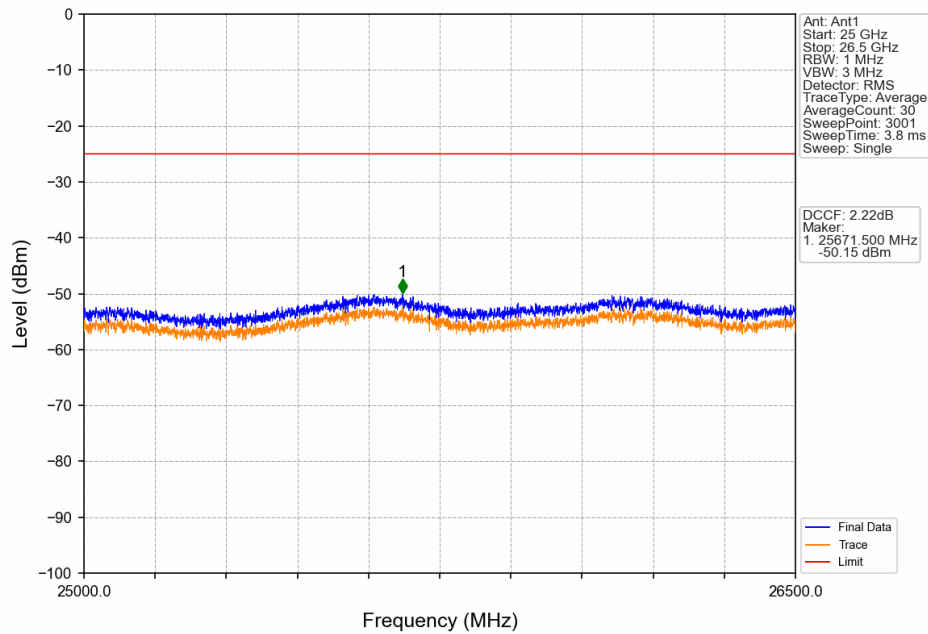
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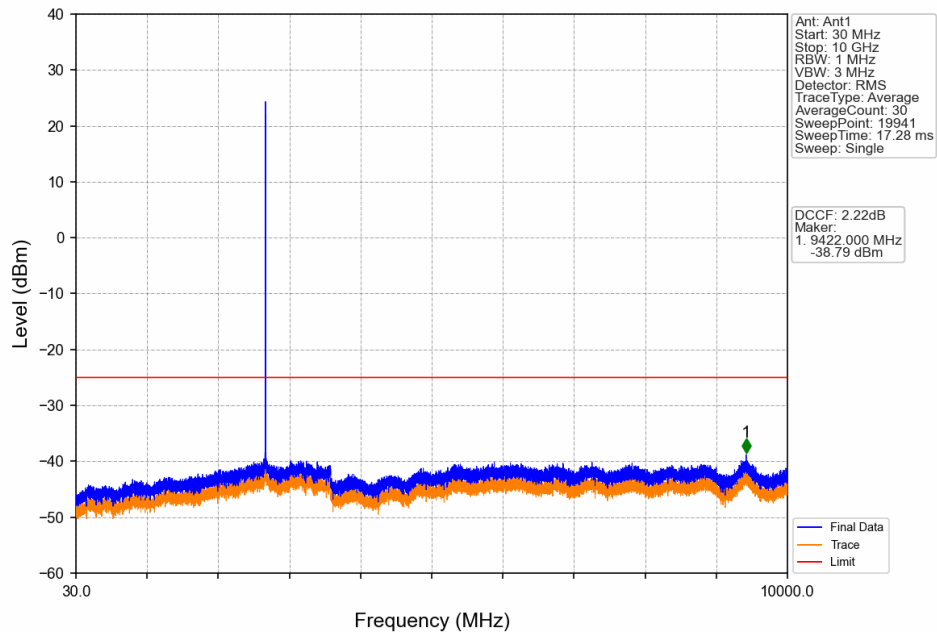
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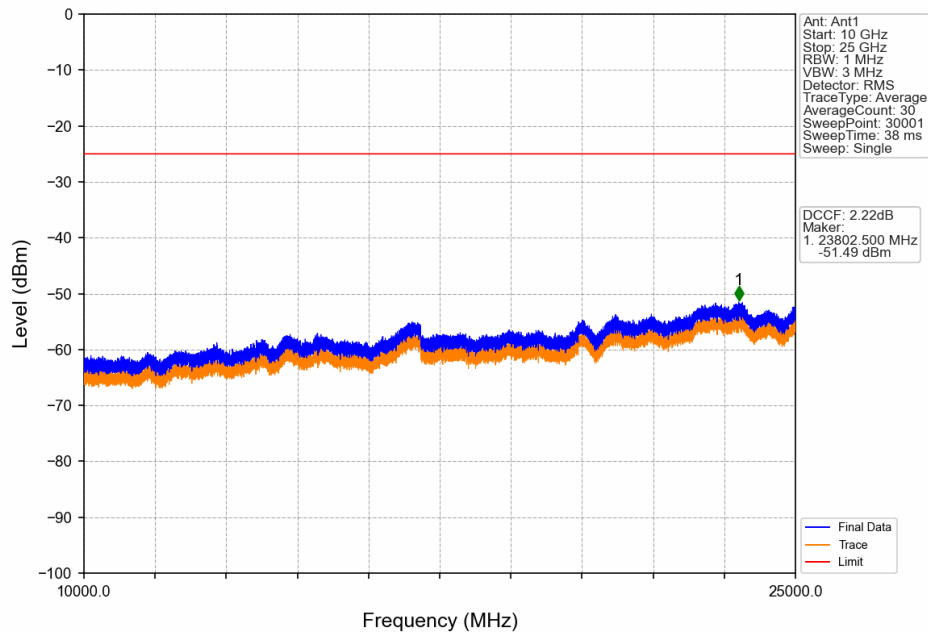


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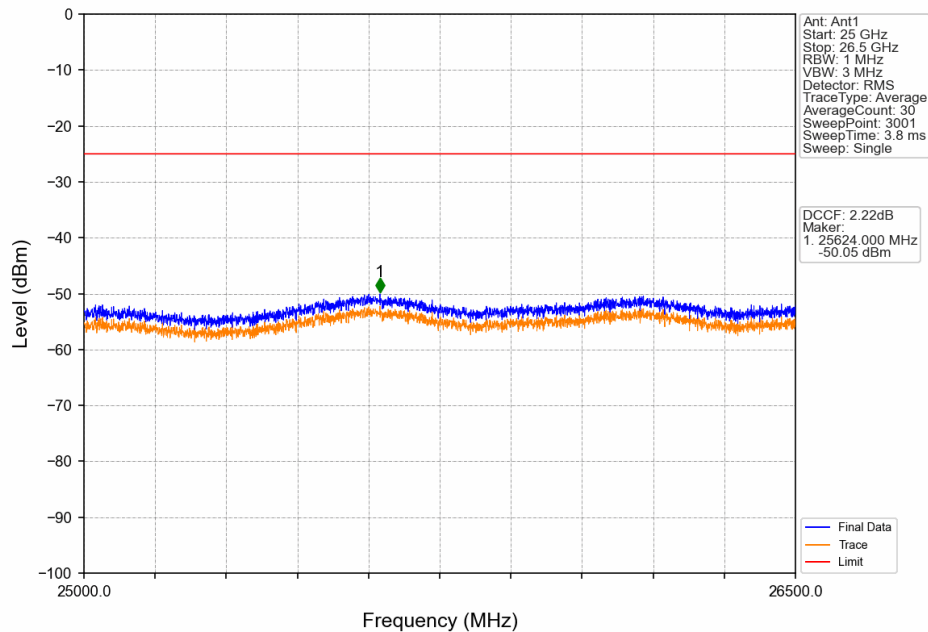
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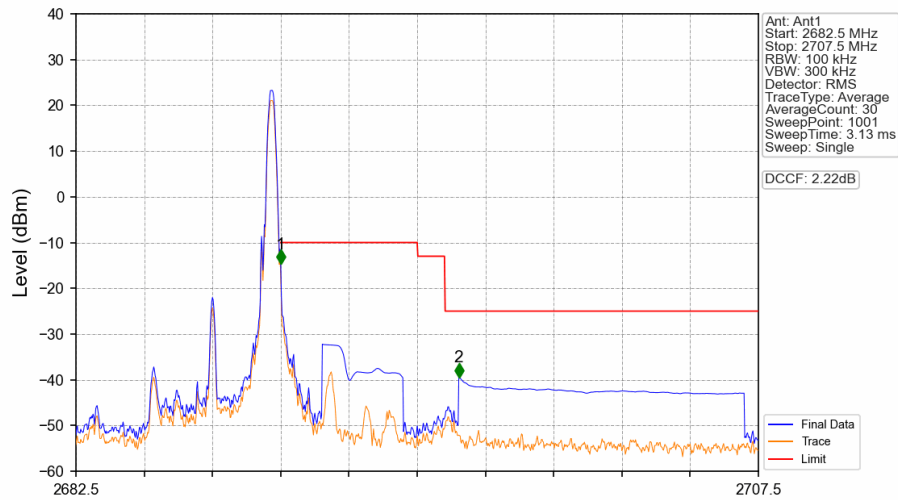
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	1	2690.000	-14.71	-10	Pass
2691	2707.5	1	CHP	2	2696.525	-39.45	-25	Pass



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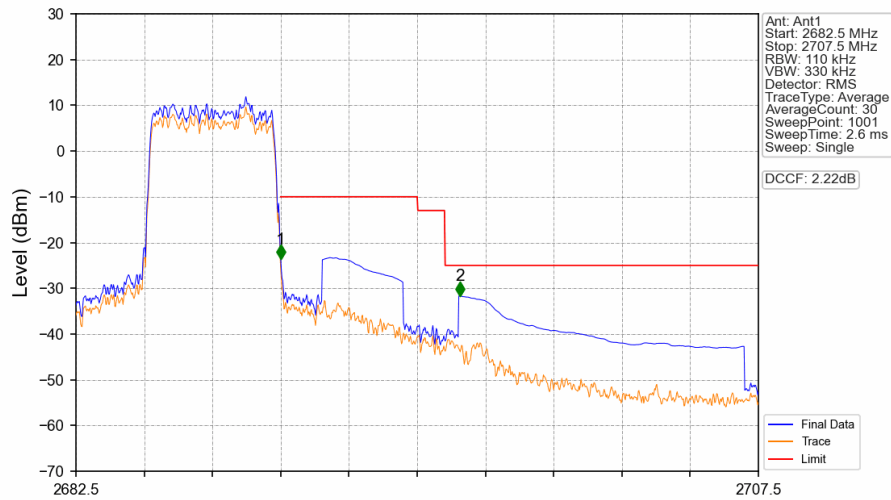
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.11	/	1	2690.000	-23.57	-10	Pass
2691	2707.5	1	CHP	2	2696.575	-31.67	-25	Pass



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4.2 B41_10MHz

4.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

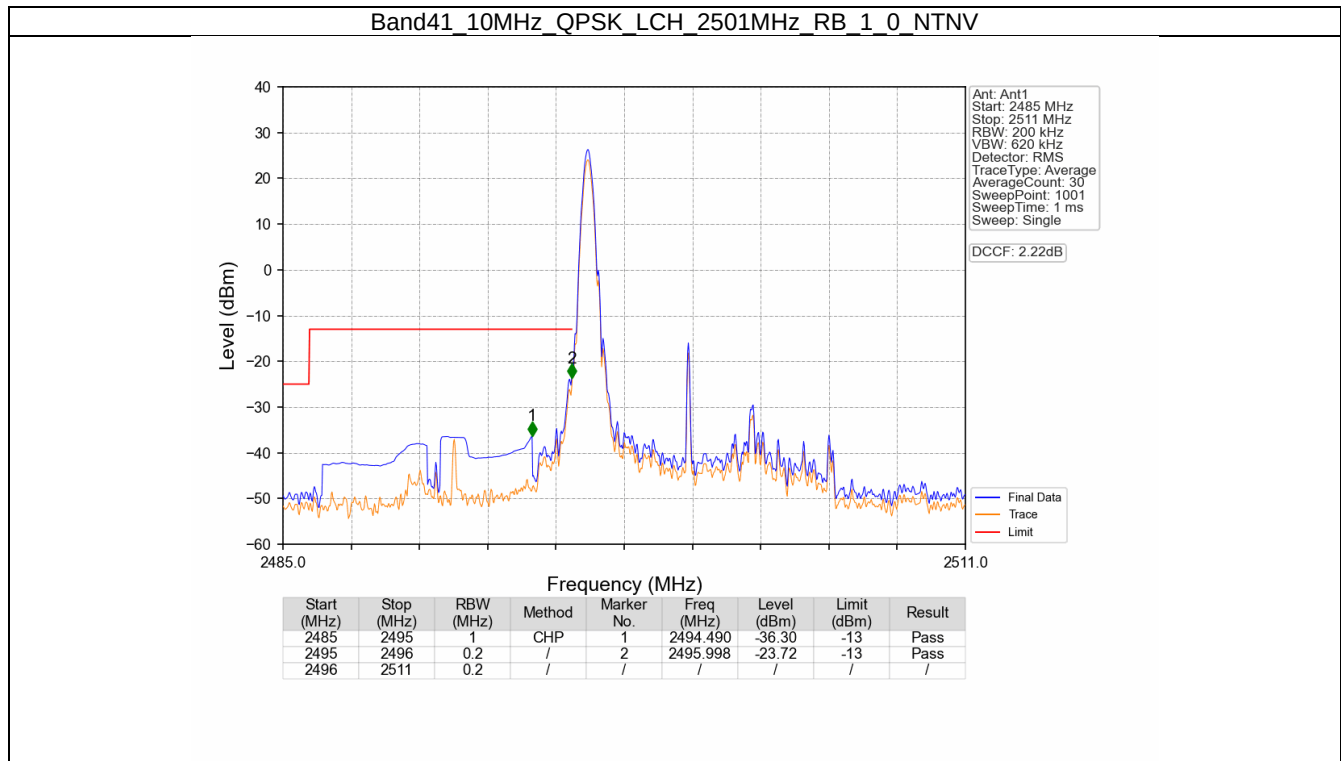


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4.2.2 Test Graph



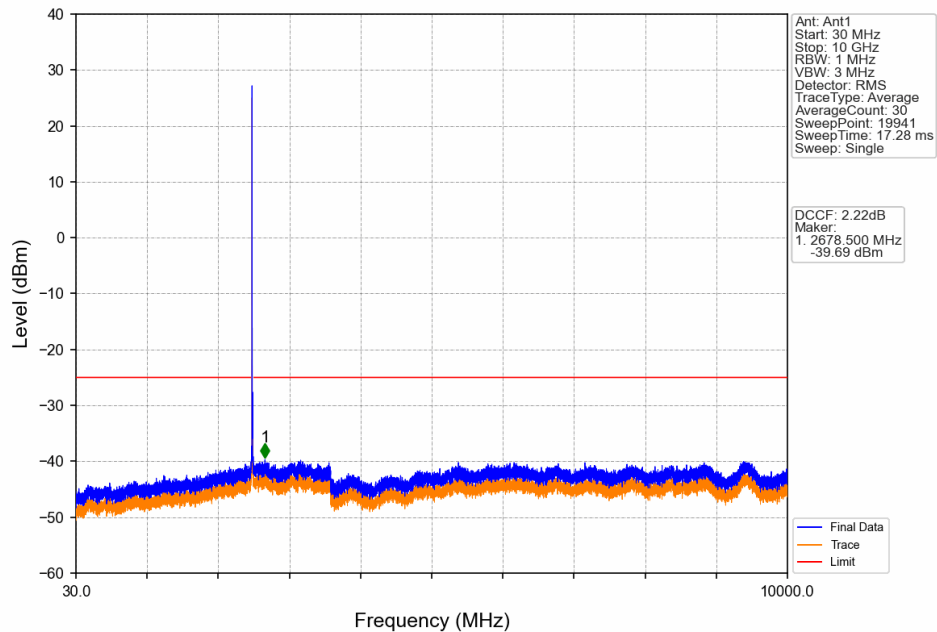
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Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



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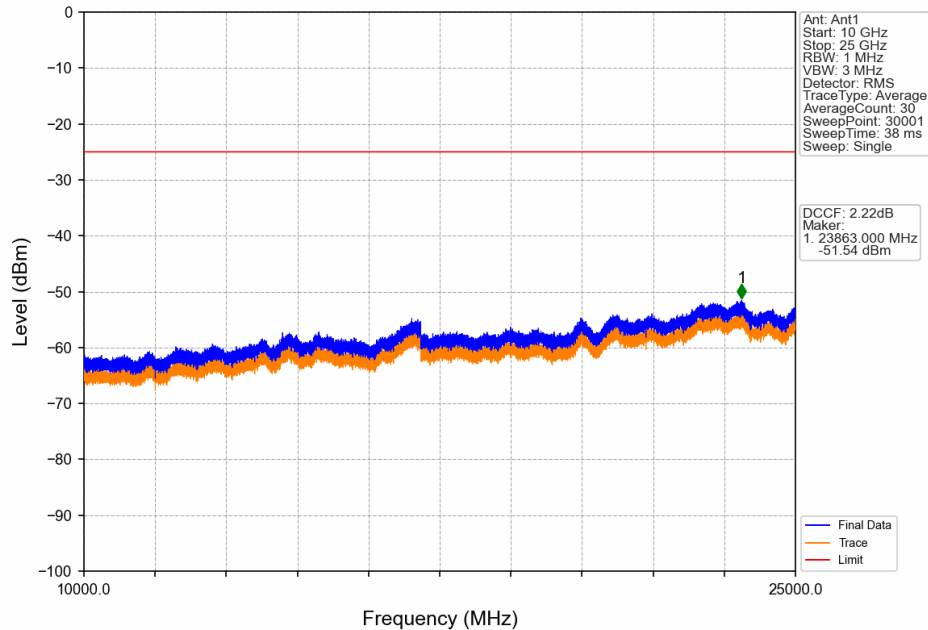
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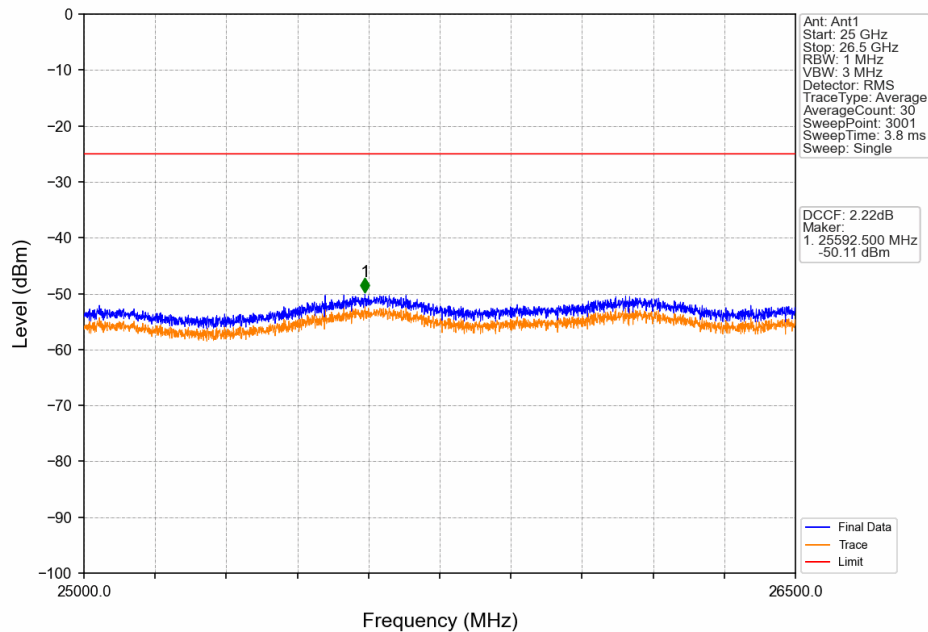
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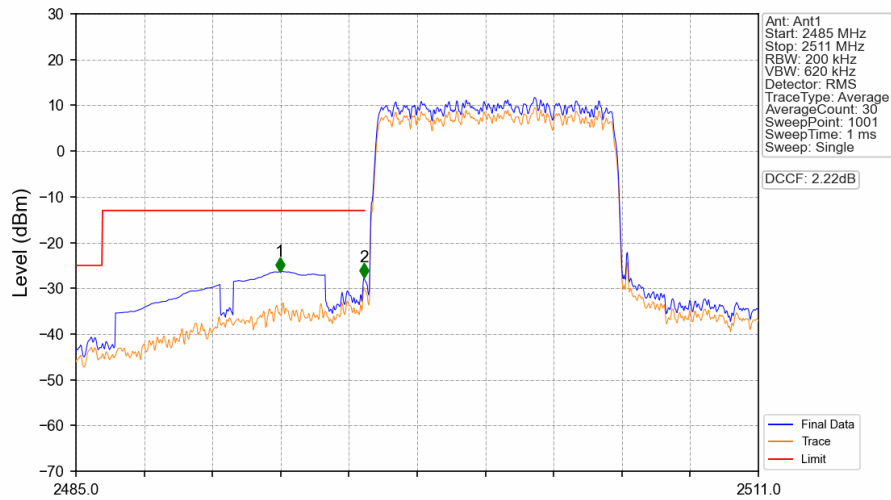
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Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2492.774	-26.36	-13	Pass
2495	2496	0.2	/	2	2495.972	-27.59	-13	Pass
2496	2511	0.2	/	/	/	/	/	/



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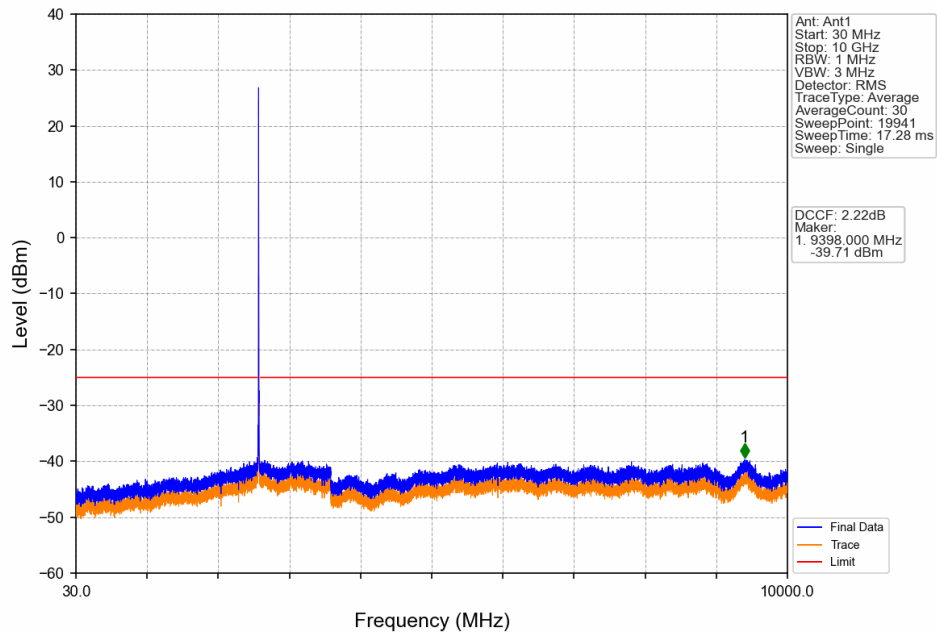
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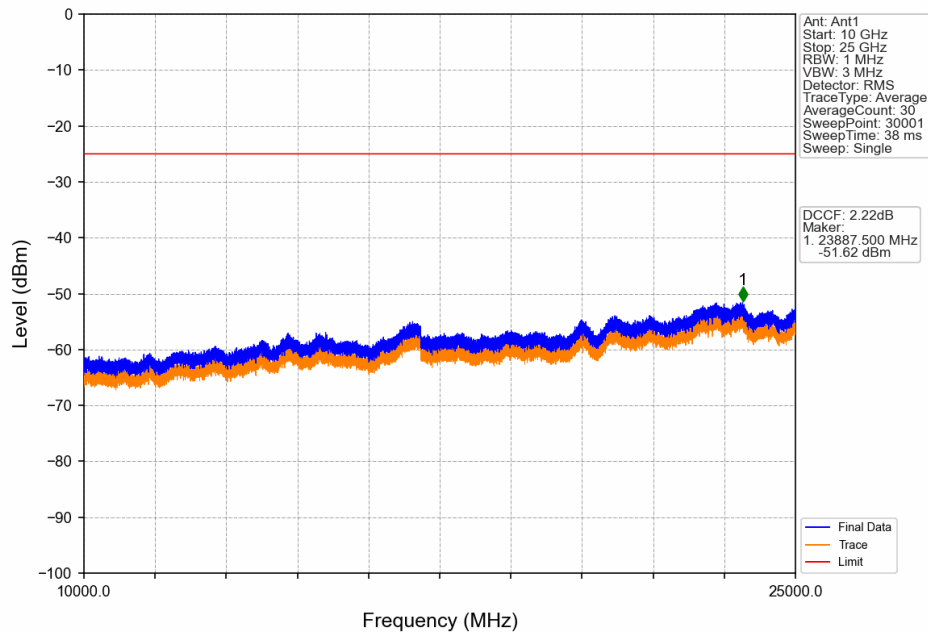
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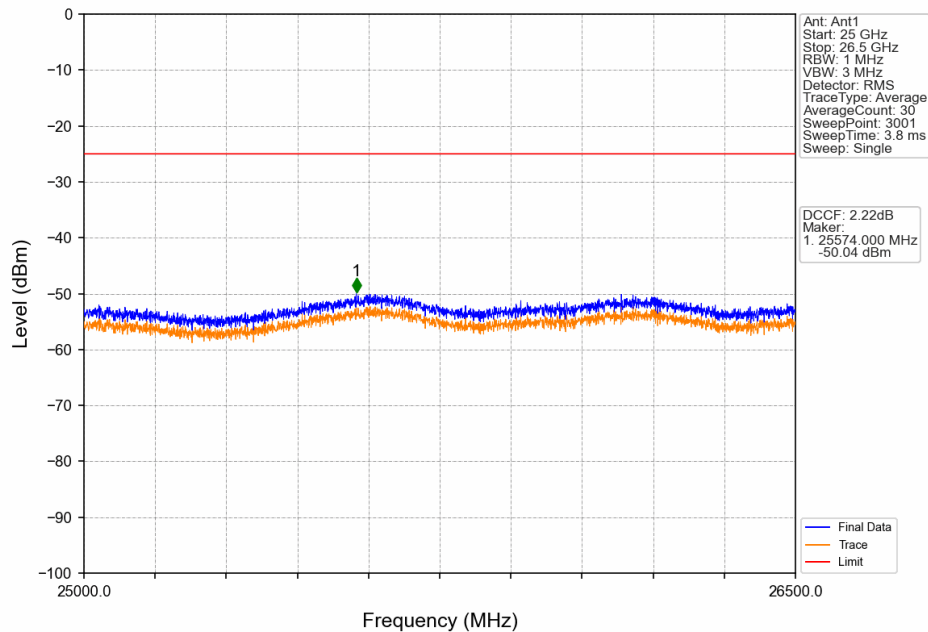
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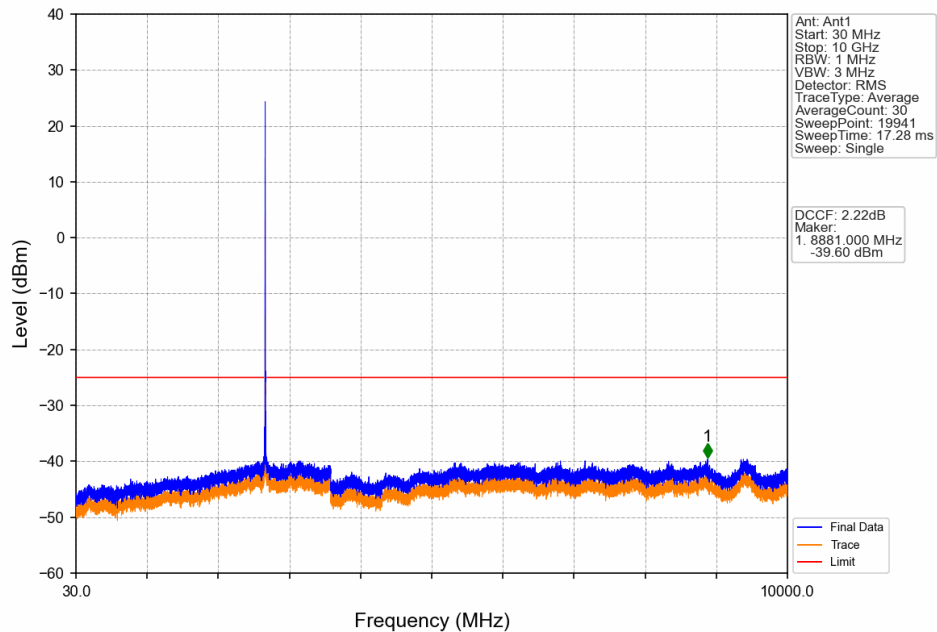
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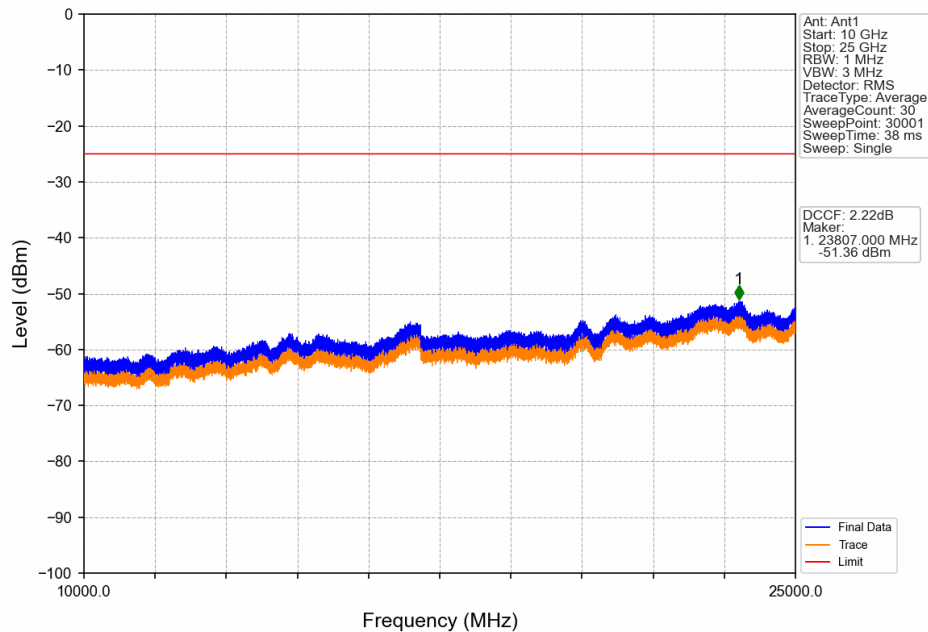


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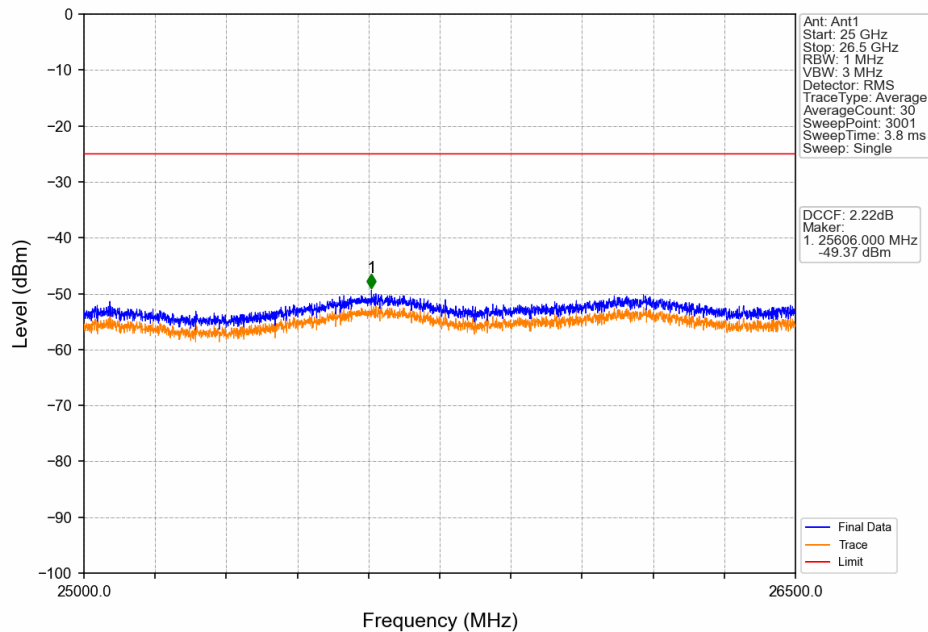


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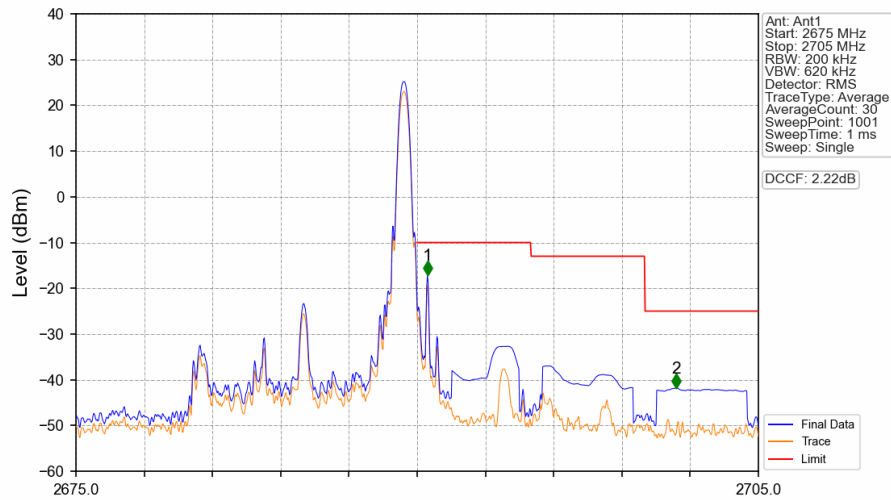
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.2	/	/	/	/	/	/
2690	2691	0.2	/	1	2690.450	-17.09	-10	Pass
2691	2705	1	CHP	2	2701.400	-41.83	-25	Pass

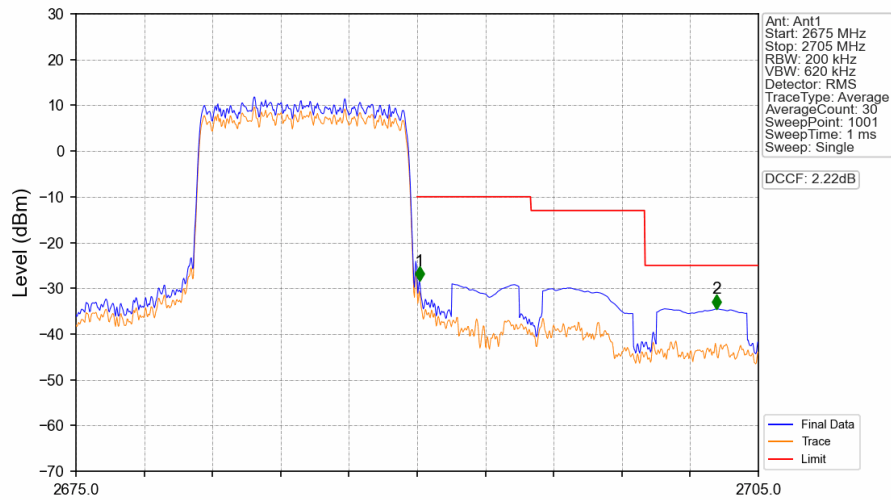


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.2	/	/	/	/	/	/
2690	2691	0.2	/	1	2690.090	-28.41	-10	Pass
2691	2705	1	CHP	2	2703.170	-34.46	-25	Pass



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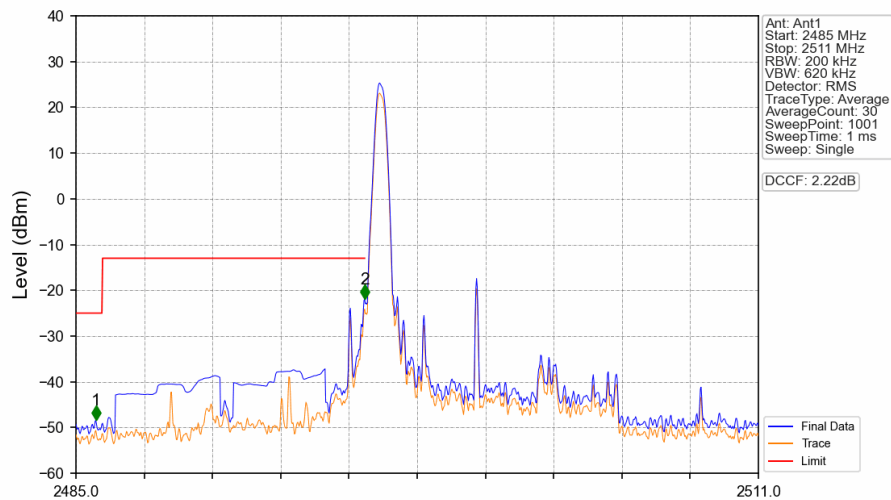
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Band41_10MHz_16QAM LCH_2501MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2485.754	-48.42	-25	Pass
2495	2496	0.2	/	2	2495.998	-21.90	-13	Pass
2496	2511	0.2	/	/	/	/	/	/



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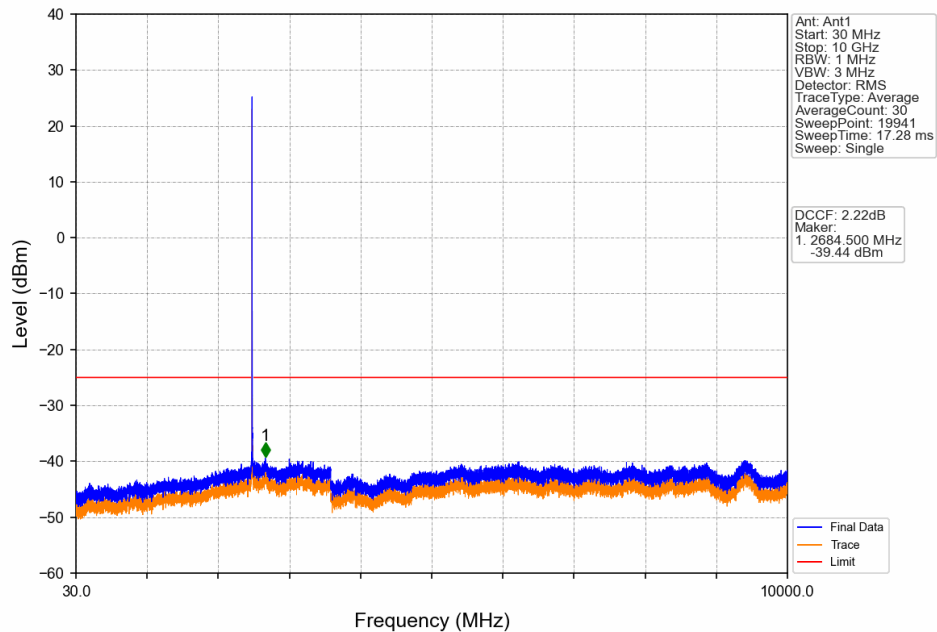
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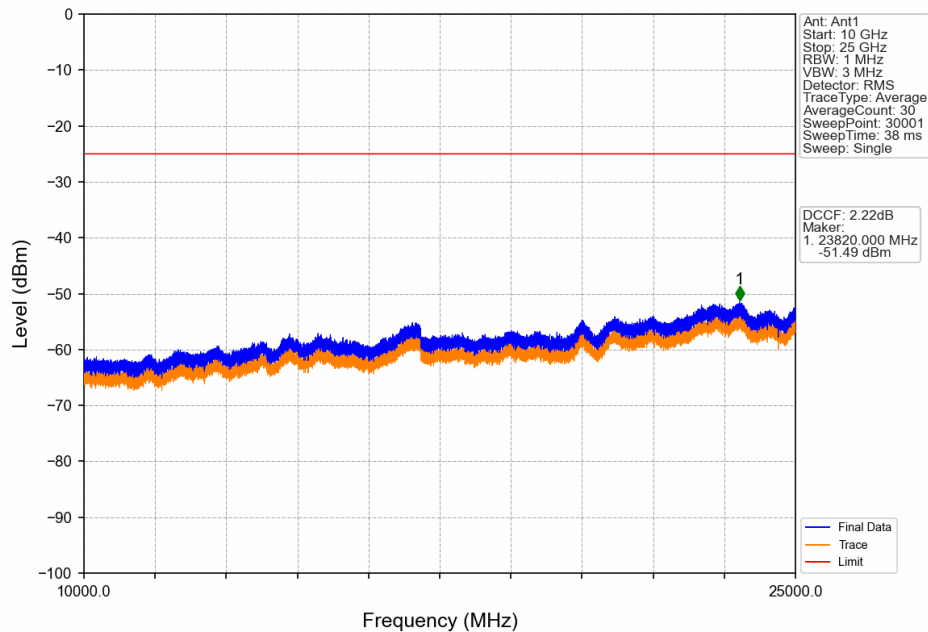
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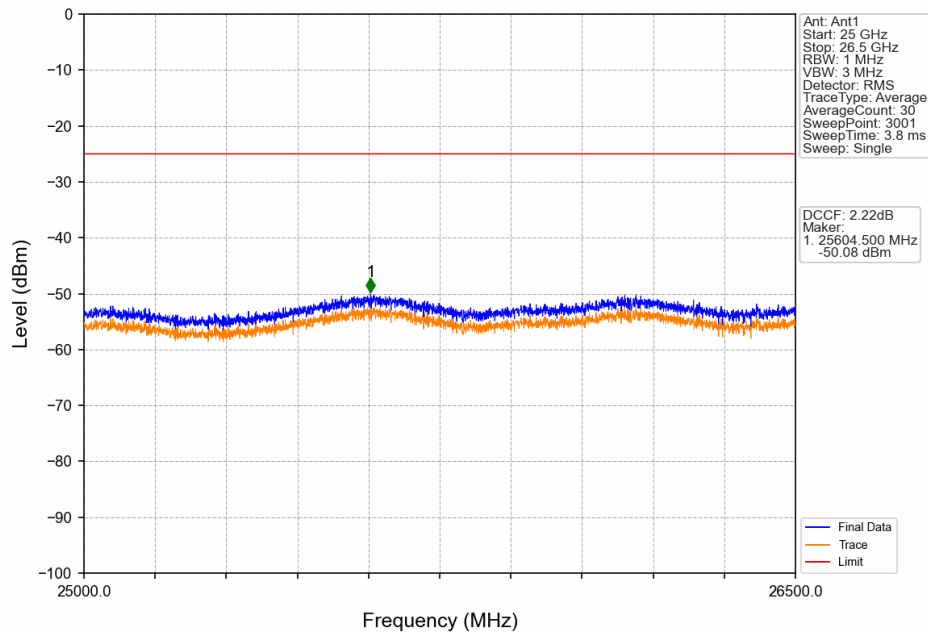


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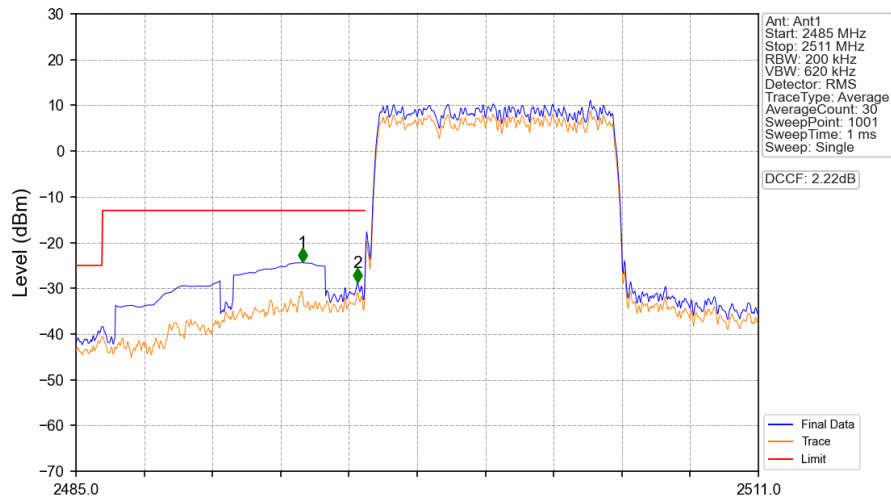
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2493.632	-24.38	-13	Pass
2495	2496	0.2	/	2	2495.738	-28.77	-13	Pass
2496	2511	0.2	/	/	/	/	/	/



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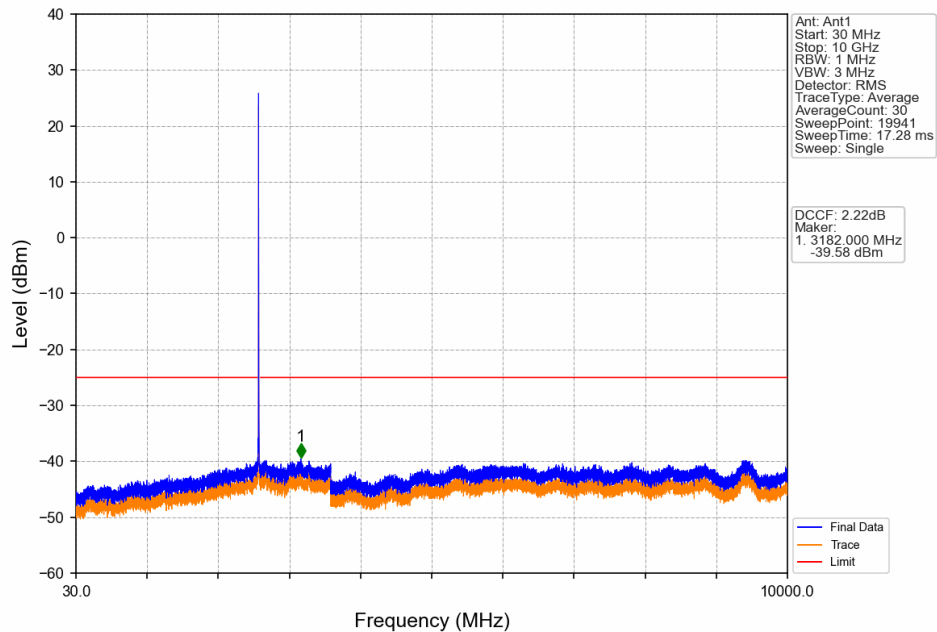
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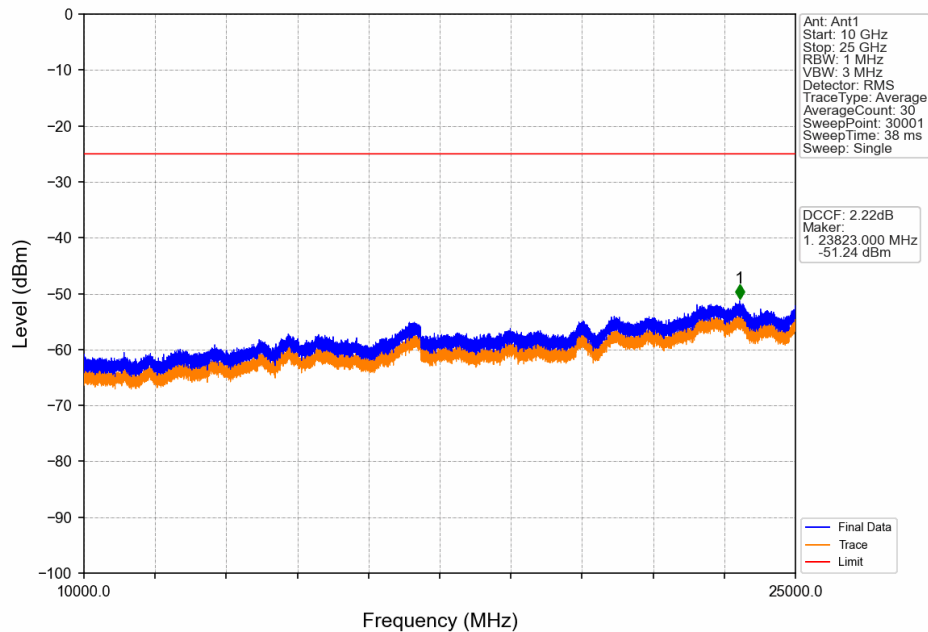
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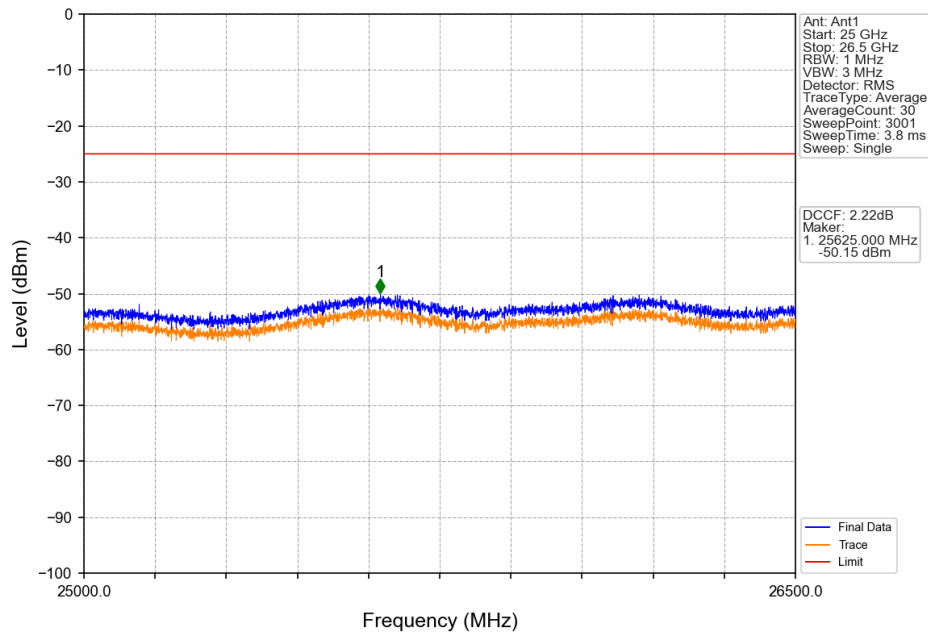


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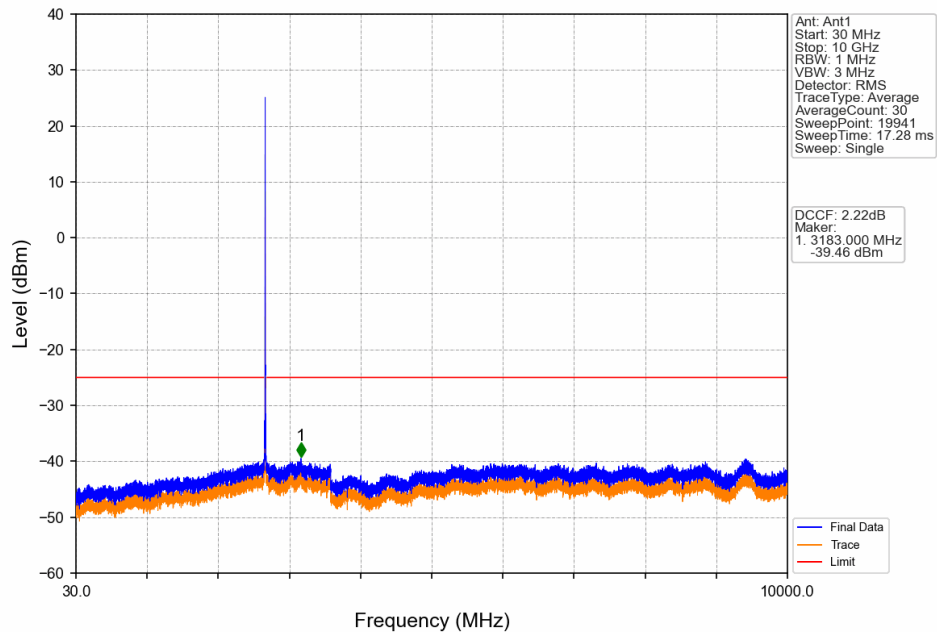
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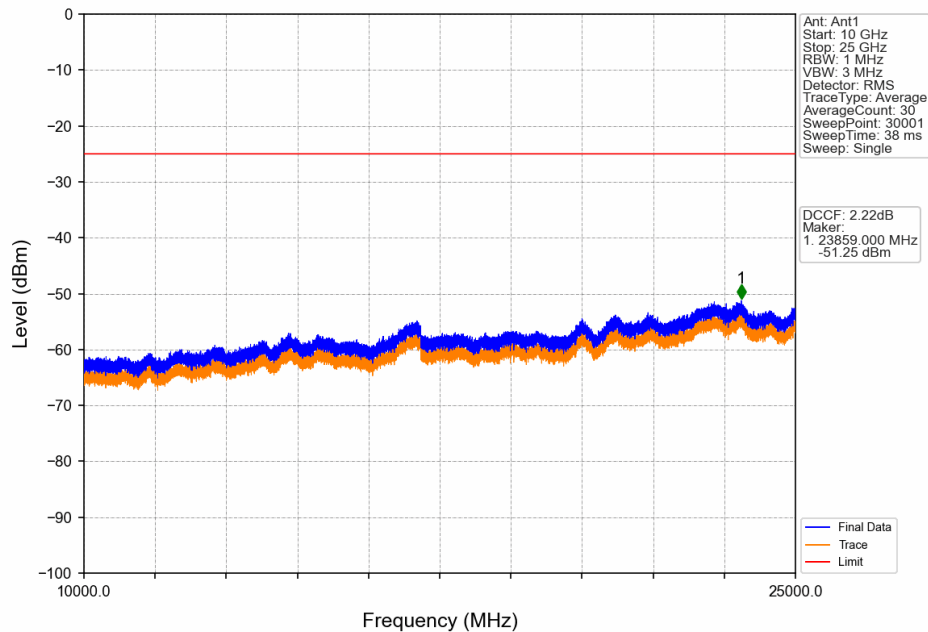
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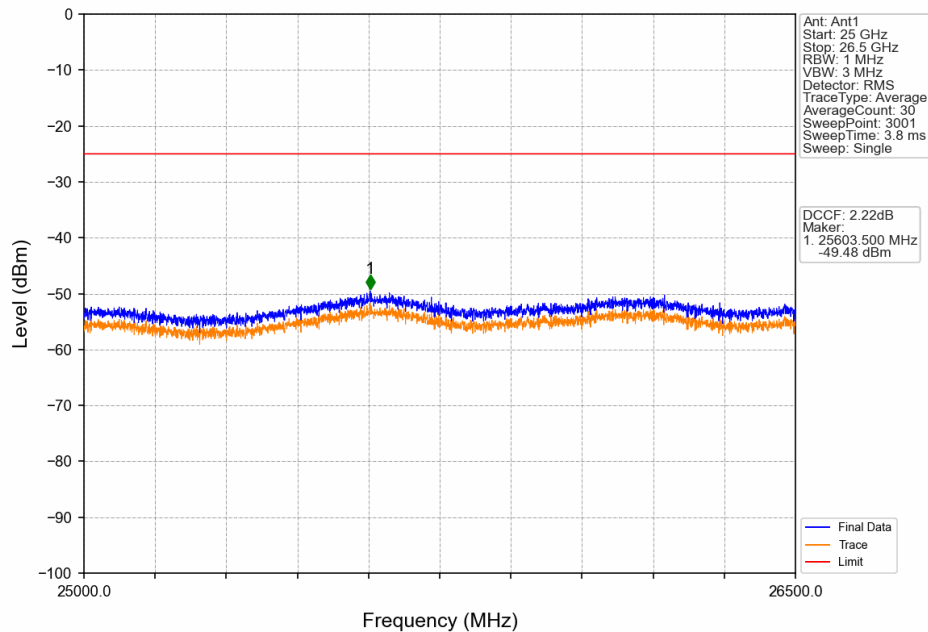
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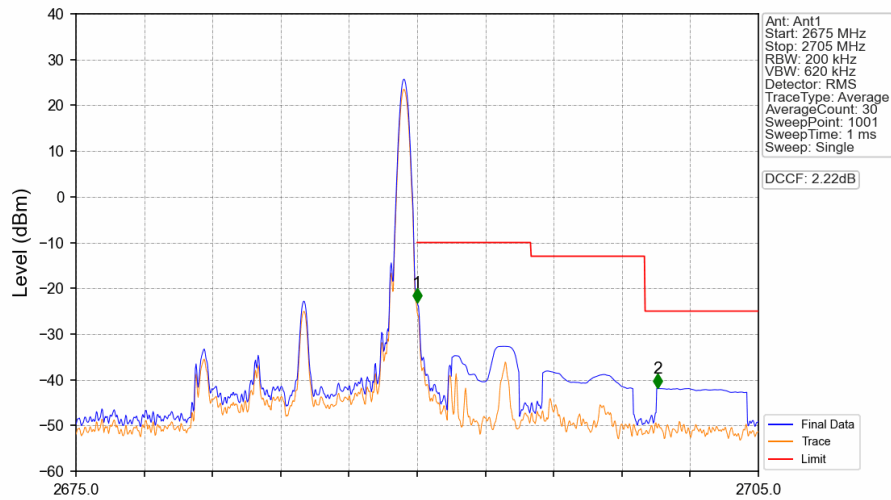
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.2	/	/	/	/	/	/
2690	2691	0.2	/	1	2690.000	-23.10	-10	Pass
2691	2705	1	CHP	2	2700.560	-41.89	-25	Pass



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