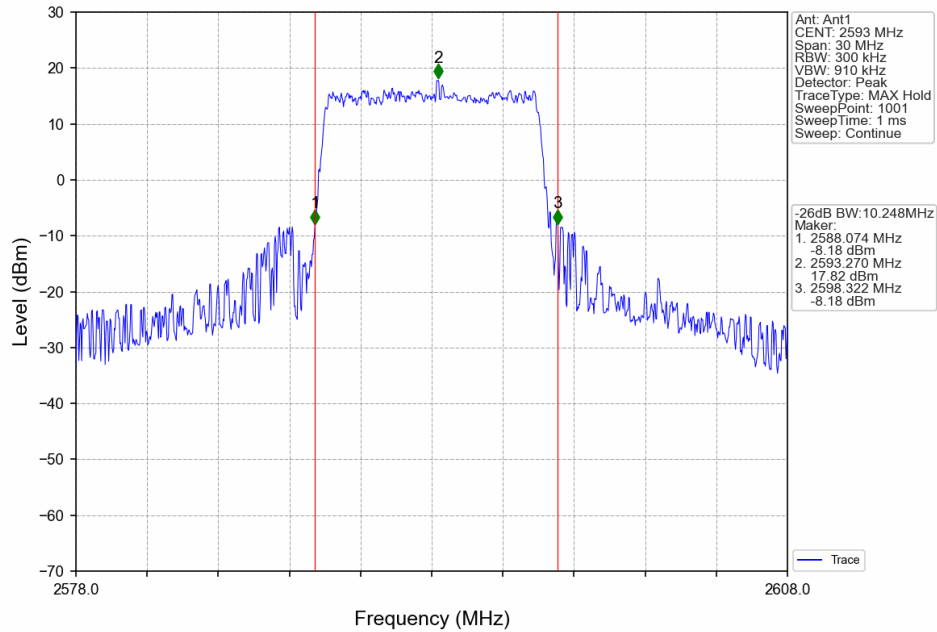


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Band41 10MHz 64QAM MCH 2593MHz RB 50 0 NTNV



Band41 10MHz 64QAM HCH 2685MHz RB 50 0 NTNV



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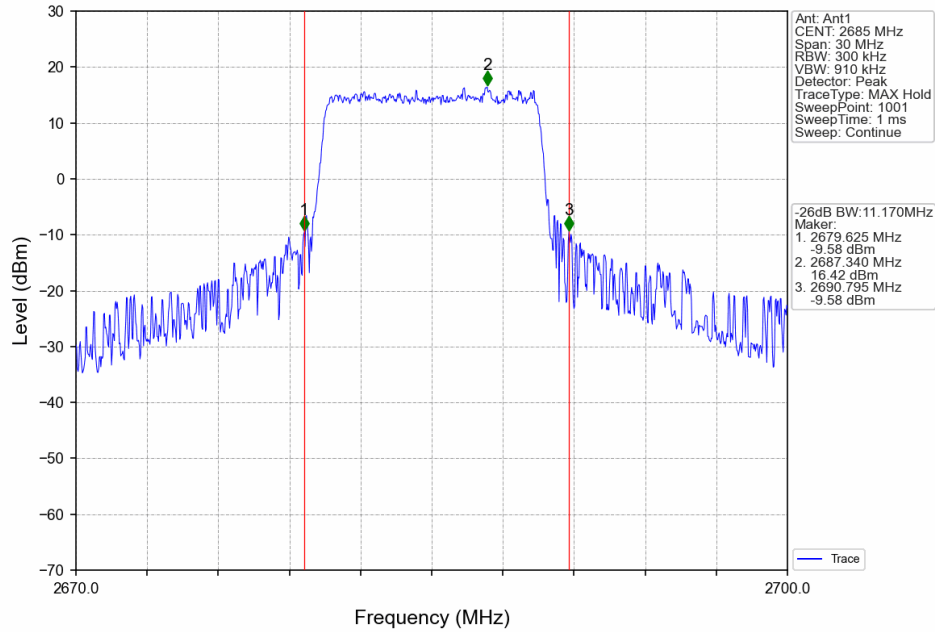
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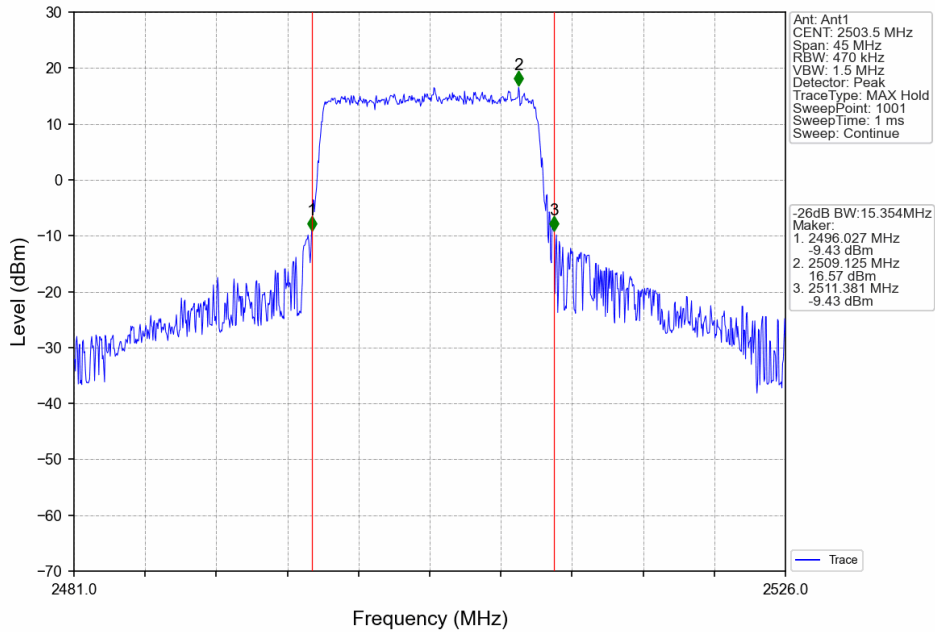
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Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



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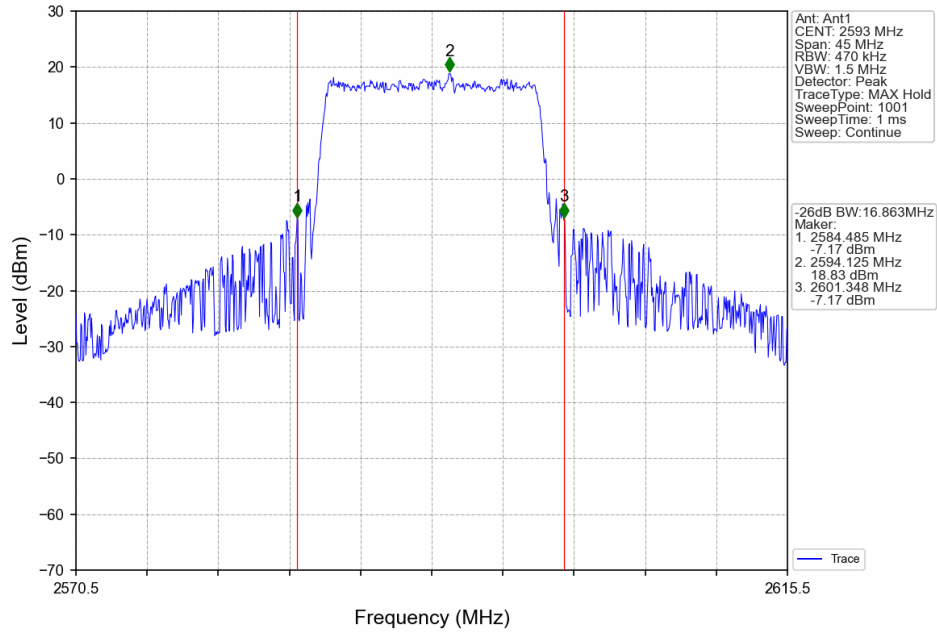
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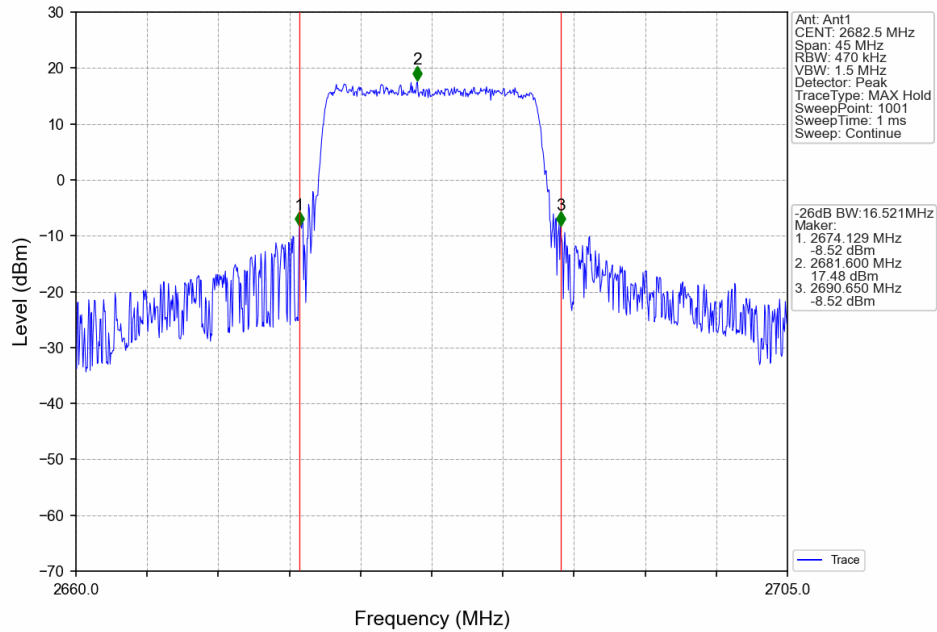
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Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



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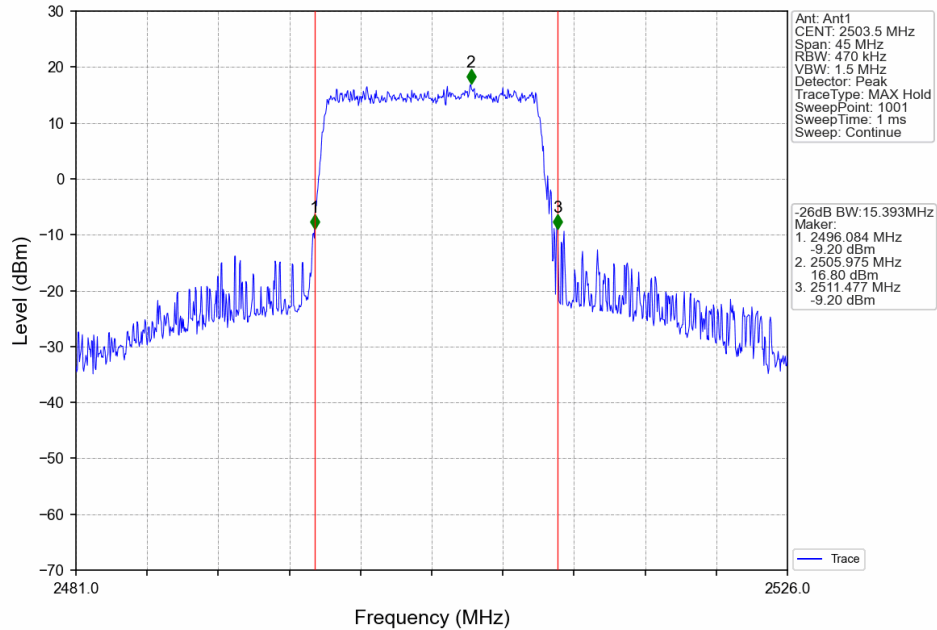
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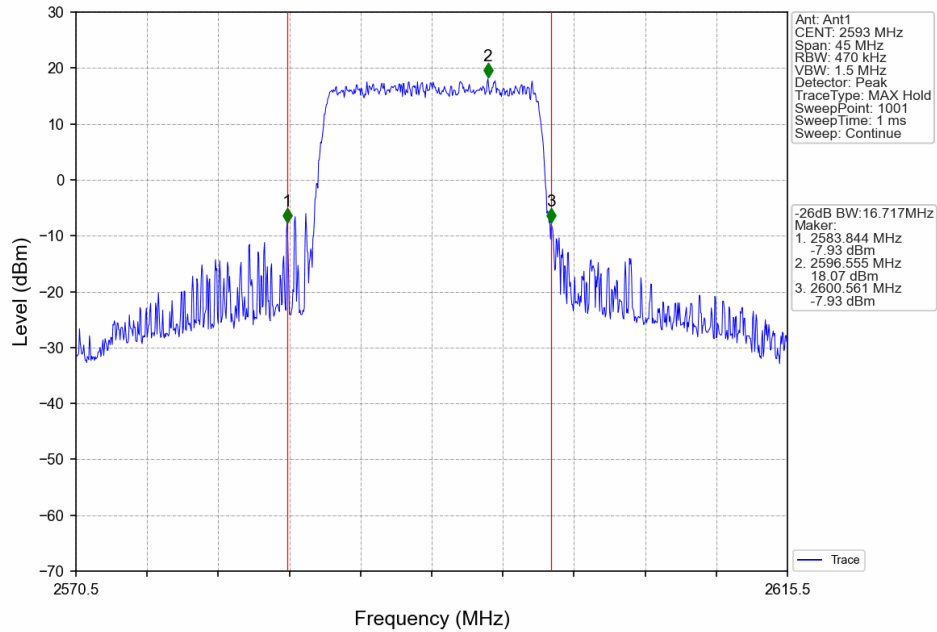
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Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



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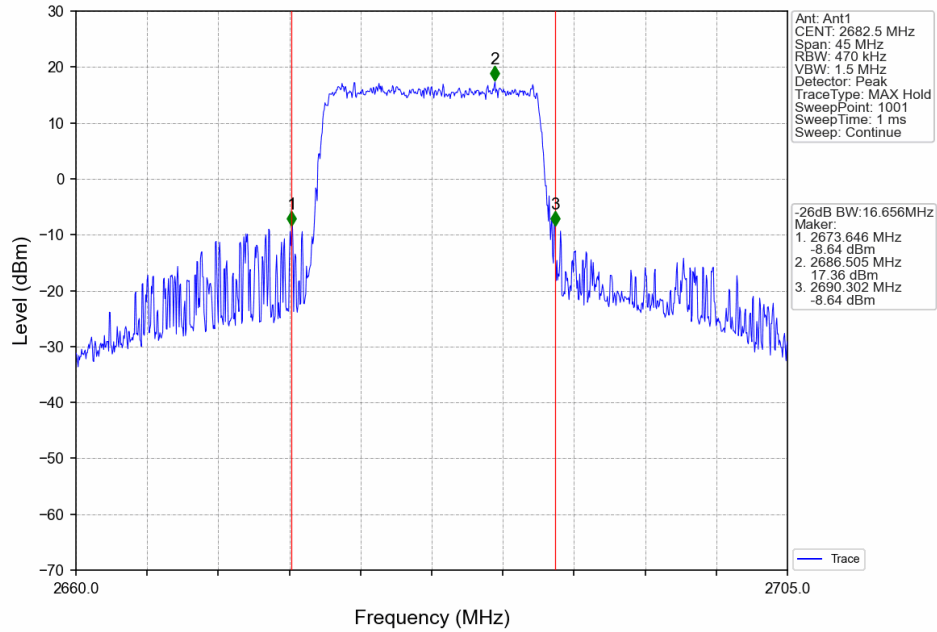
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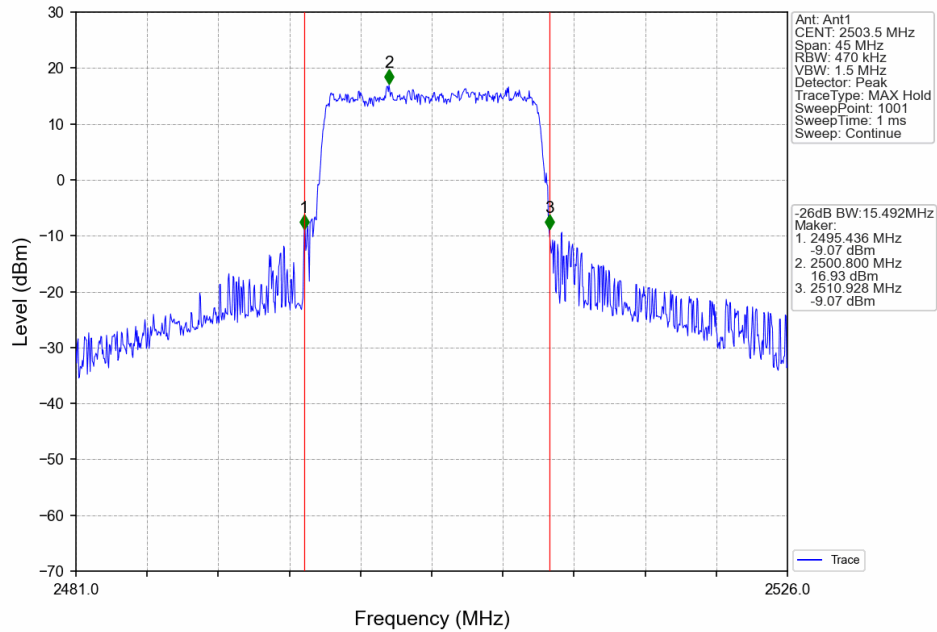
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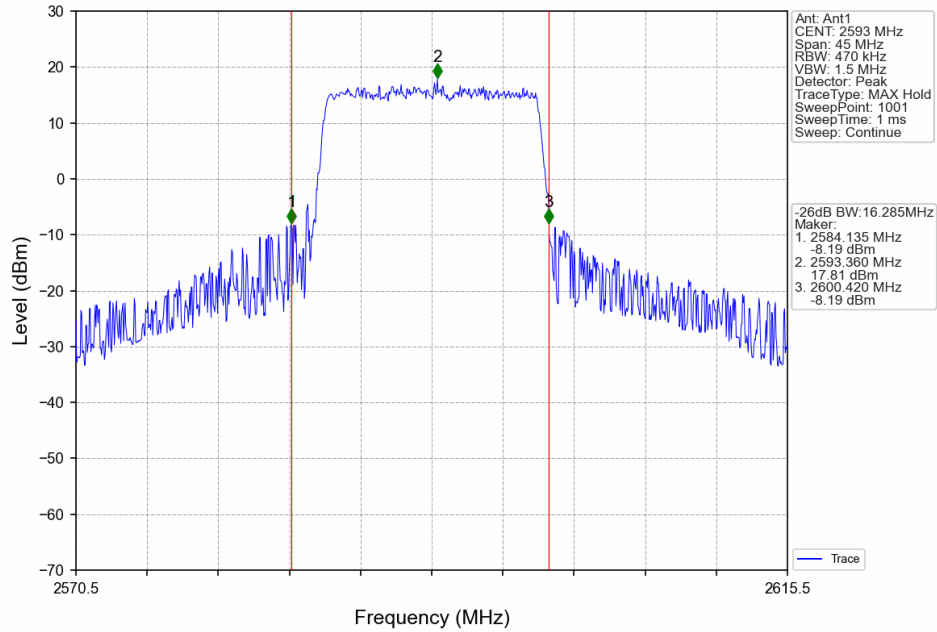
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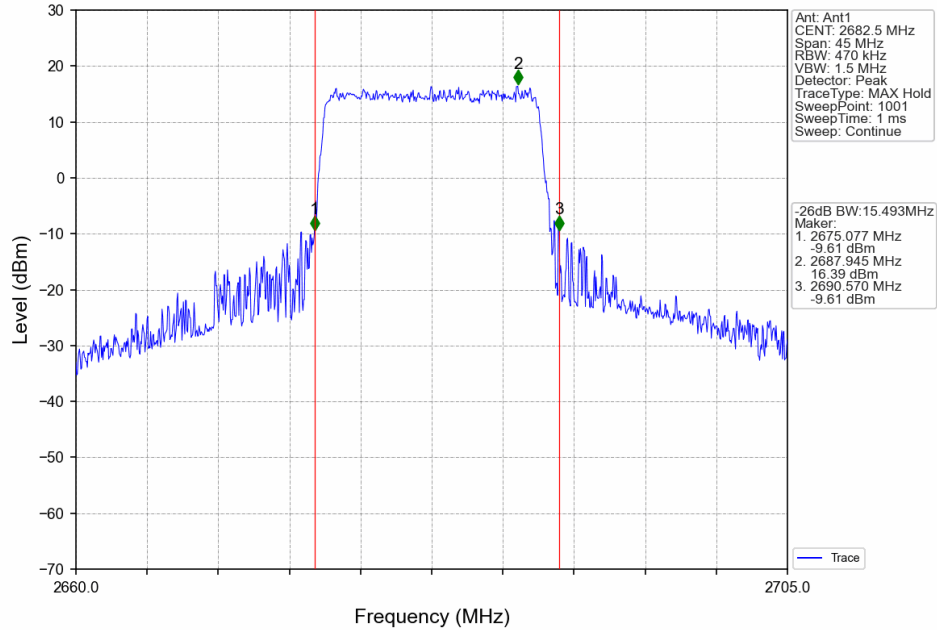
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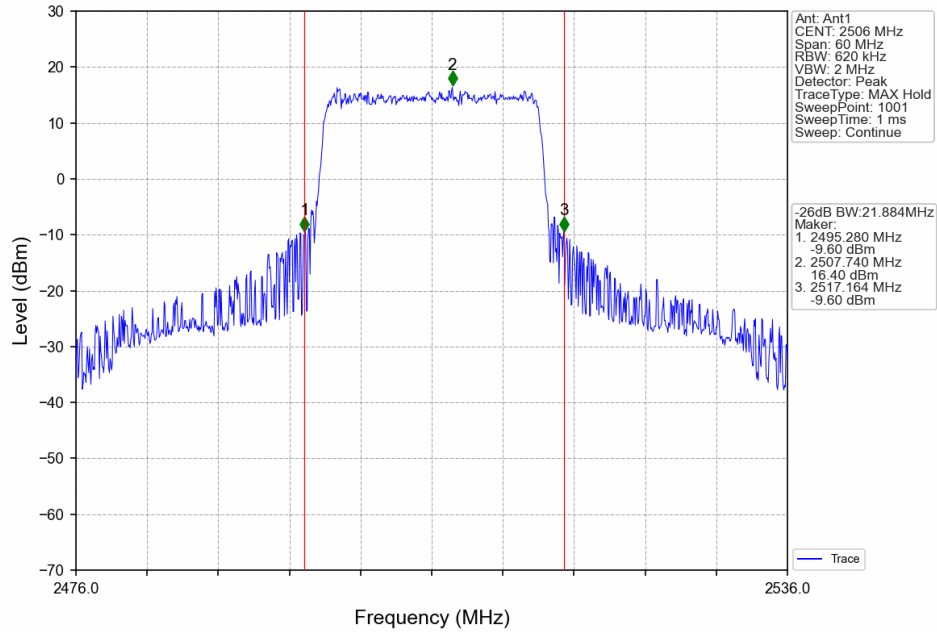
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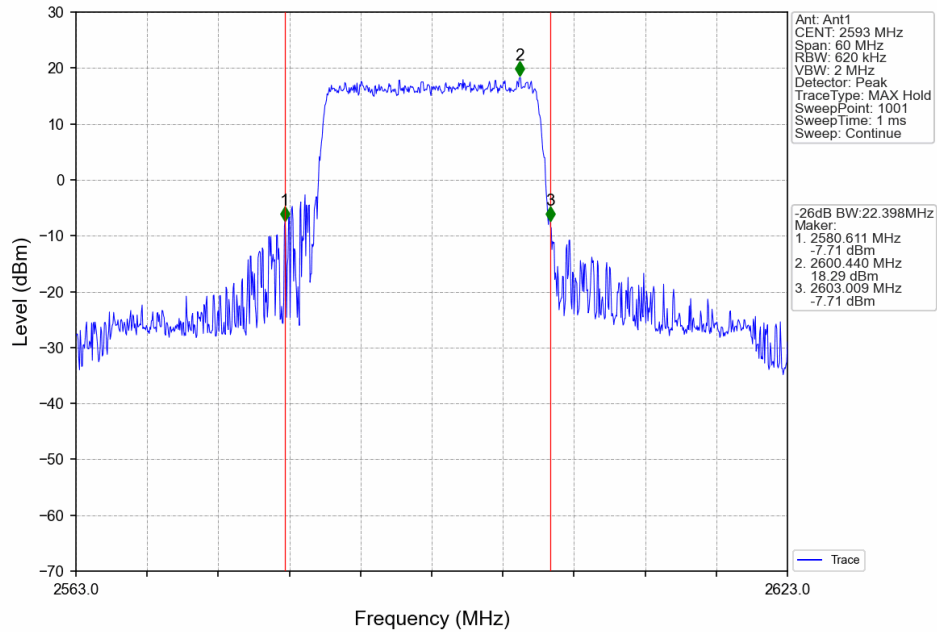
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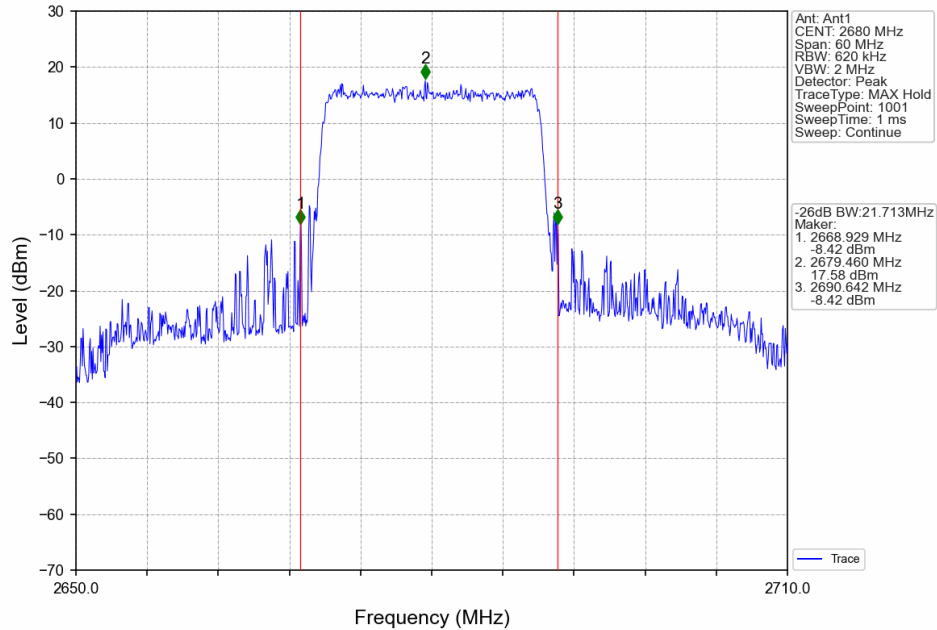
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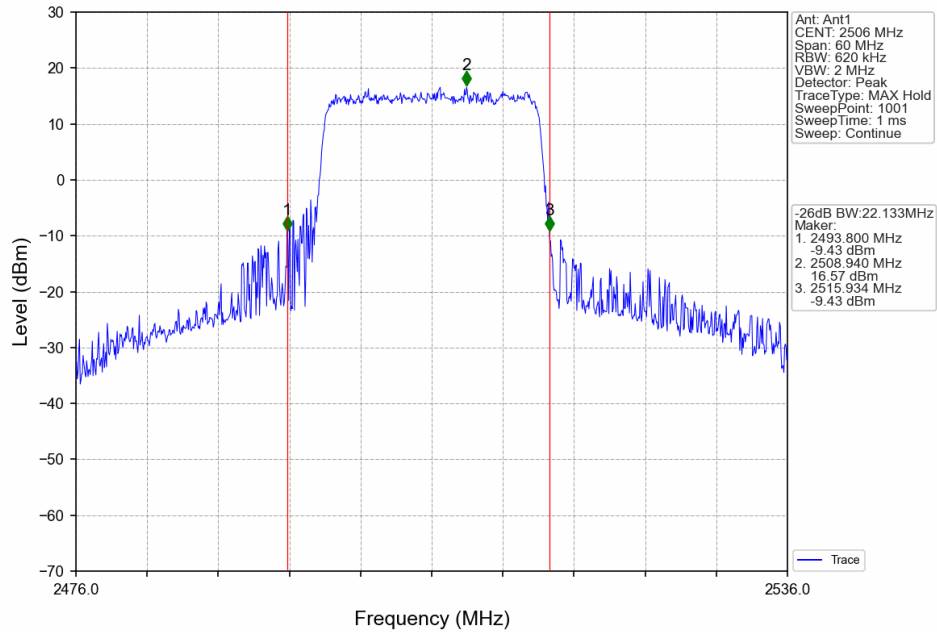
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Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



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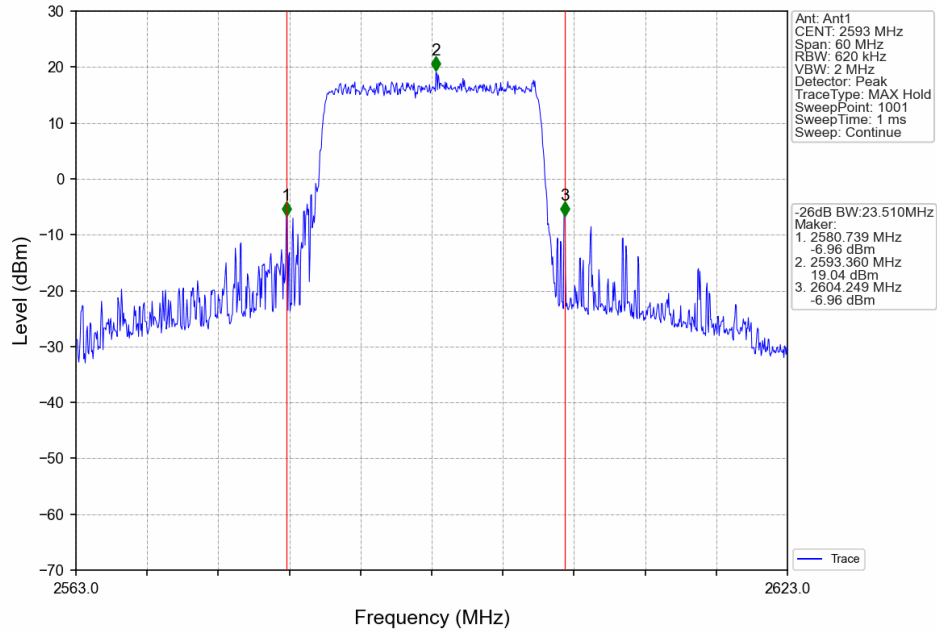
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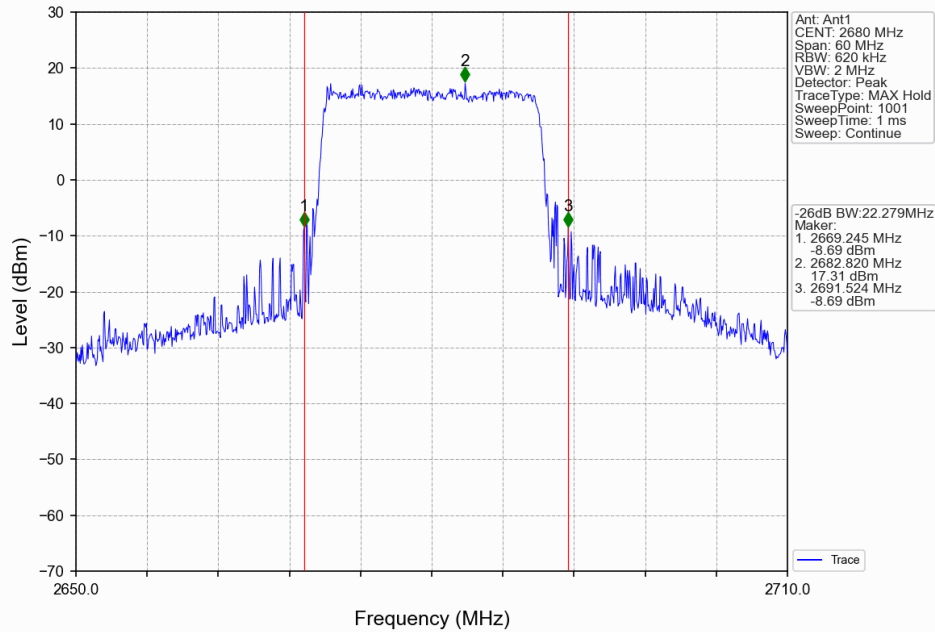
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Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV



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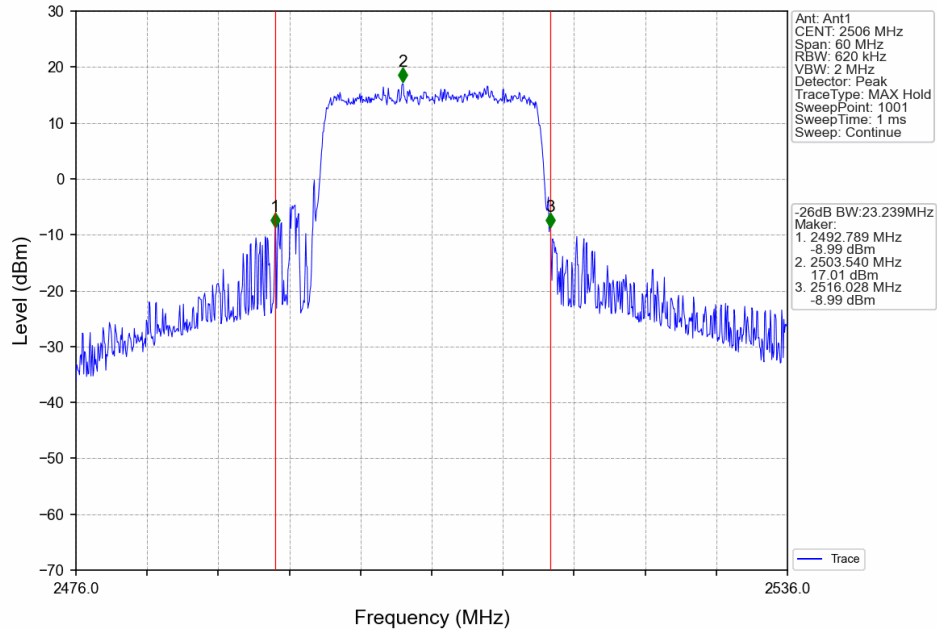
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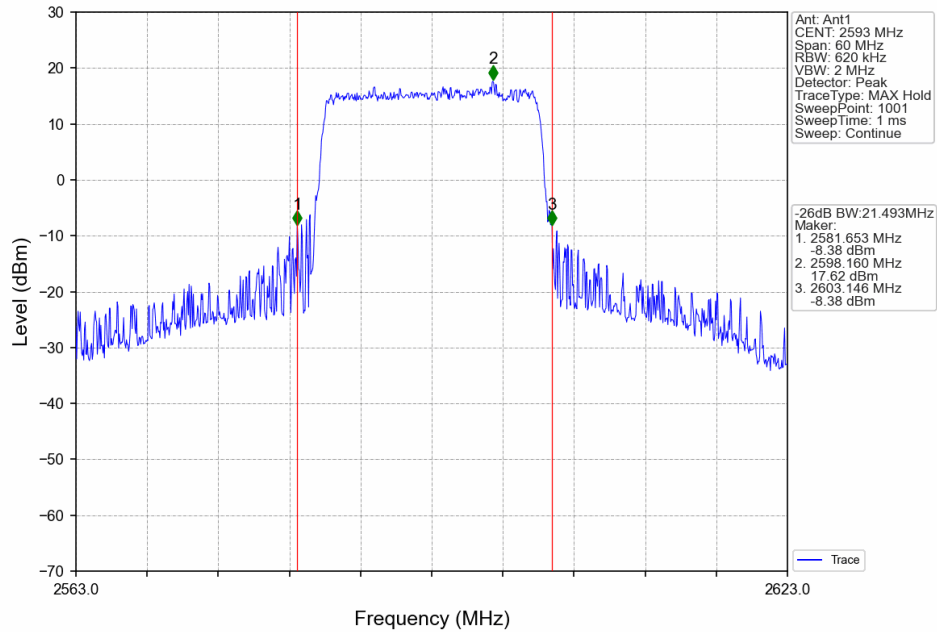
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Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV



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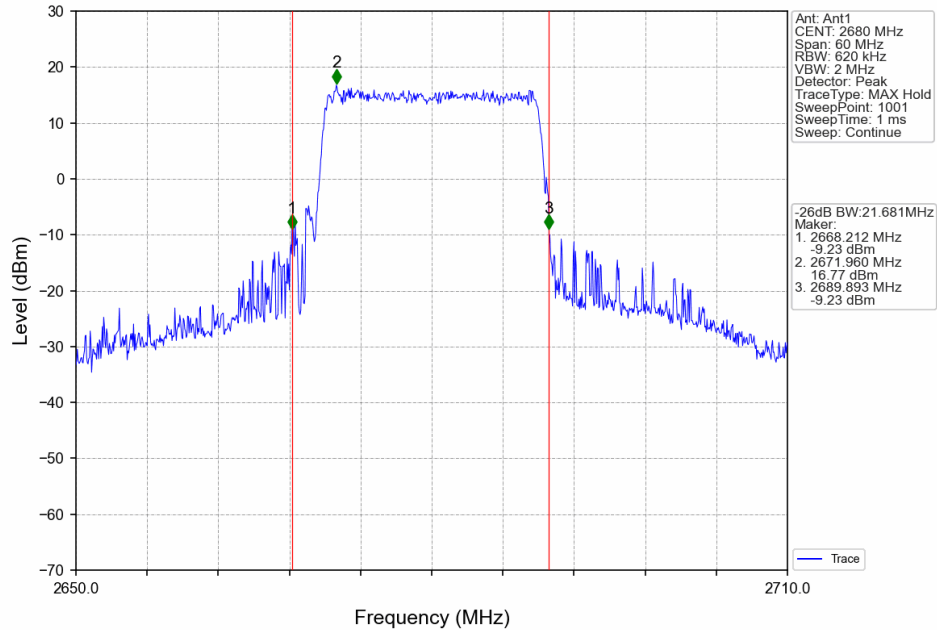
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4. Peak-Average Ratio

4.1 B41_5MHz

4.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	8.12	<=13	Pass
	2593	25	0	7.74	<=13	Pass
	2687.5	25	0	8.13	<=13	Pass
16QAM	2498.5	25	0	8.67	<=13	Pass
	2593	25	0	8.45	<=13	Pass
	2687.5	25	0	8.54	<=13	Pass
64QAM	2498.5	25	0	8.92	<=13	Pass
	2593	25	0	8.69	<=13	Pass
	2687.5	25	0	8.80	<=13	Pass

4.2 B41_10MHz

4.2.1 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	8.07	<=13	Pass
	2593	50	0	7.88	<=13	Pass
	2685	50	0	7.79	<=13	Pass
16QAM	2501	50	0	8.82	<=13	Pass
	2593	50	0	8.53	<=13	Pass
	2685	50	0	8.61	<=13	Pass
64QAM	2501	50	0	8.75	<=13	Pass
	2593	50	0	8.75	<=13	Pass
	2685	50	0	8.62	<=13	Pass



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4.3 B41_15MHz

4.3.1 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	8.34	<=13	Pass
	2593	75	0	7.99	<=13	Pass
	2682.5	75	0	8.17	<=13	Pass
16QAM	2503.5	75	0	8.94	<=13	Pass
	2593	75	0	8.49	<=13	Pass
	2682.5	75	0	8.64	<=13	Pass
64QAM	2503.5	75	0	8.97	<=13	Pass
	2593	75	0	8.78	<=13	Pass
	2682.5	75	0	8.74	<=13	Pass

4.4 B41_20MHz

4.4.1 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	7.70	<=13	Pass
	2593	100	0	7.90	<=13	Pass
	2680	100	0	7.90	<=13	Pass
16QAM	2506	100	0	8.61	<=13	Pass
	2593	100	0	8.18	<=13	Pass
	2680	100	0	8.45	<=13	Pass
64QAM	2506	100	0	8.66	<=13	Pass
	2593	100	0	8.72	<=13	Pass
	2680	100	0	8.63	<=13	Pass



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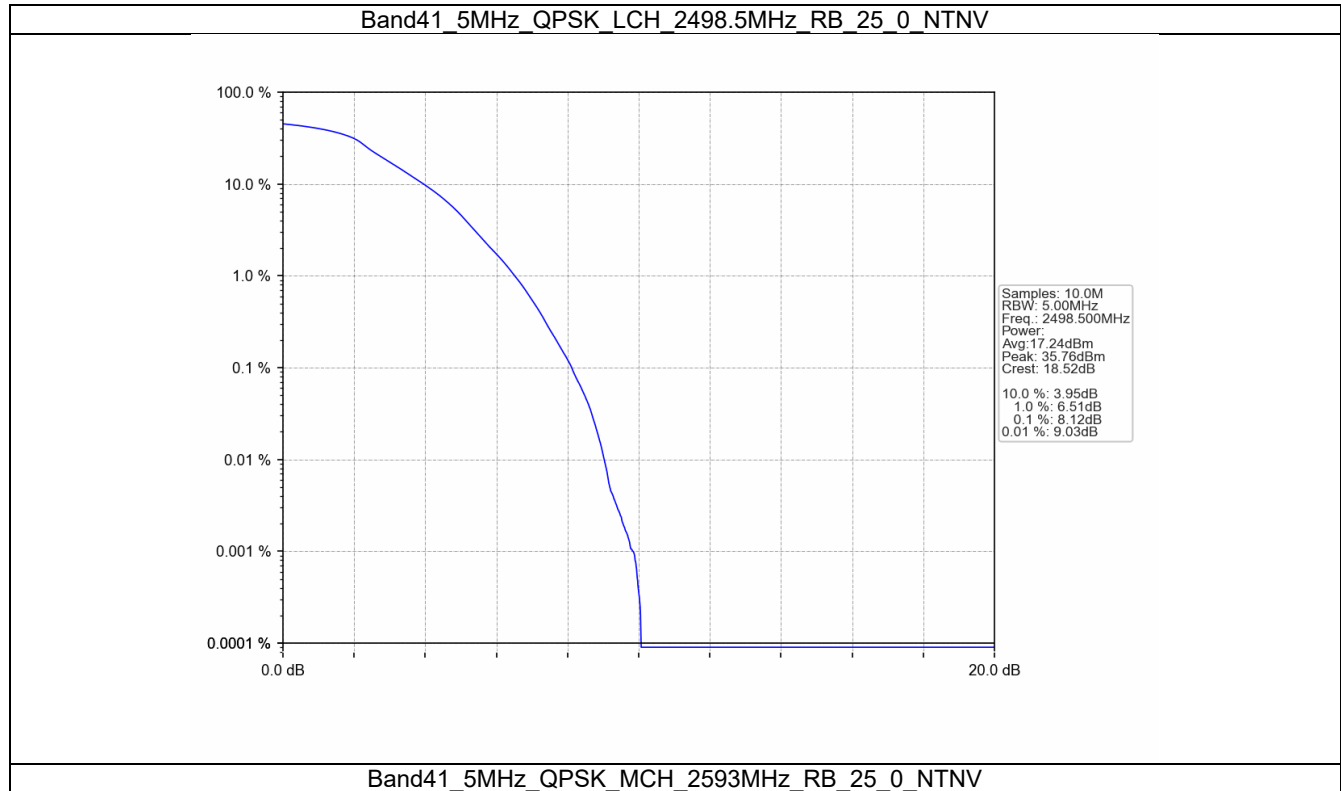
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4.1 B41_5MHz

4.1.2 Test Graph



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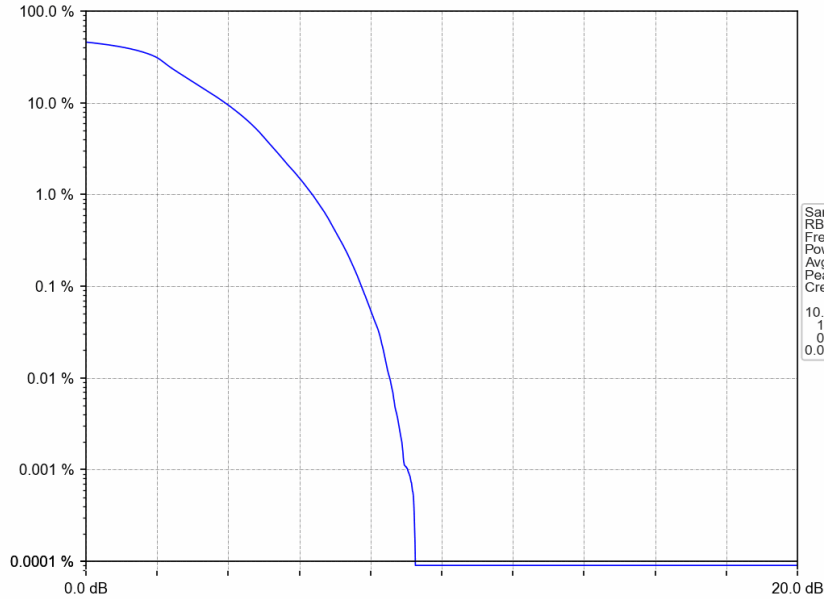
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Samples: 10.0M
RBW: 5.00MHz
Freq.: 2593.000MHz
Power:
Avg: 19.45dBm
Peak: 28.91dBm
Crest: 9.46dB
10.0 %: 3.91dB
1.0 %: 6.36dB
0.1 %: 7.74dB
0.01 %: 8.54dB



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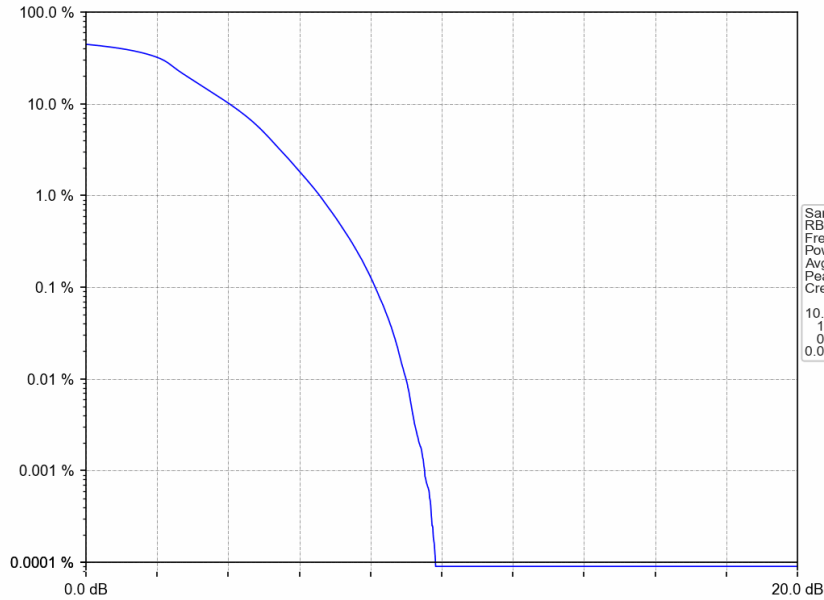
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 2687.500MHz
Power:
Avg: 18.07dBm
Peak: 27.98dBm
Crest: 9.91dB
10.0%: 4.03dB
1.0%: 6.57dB
0.1%: 8.13dB
0.01%: 9.00dB

Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



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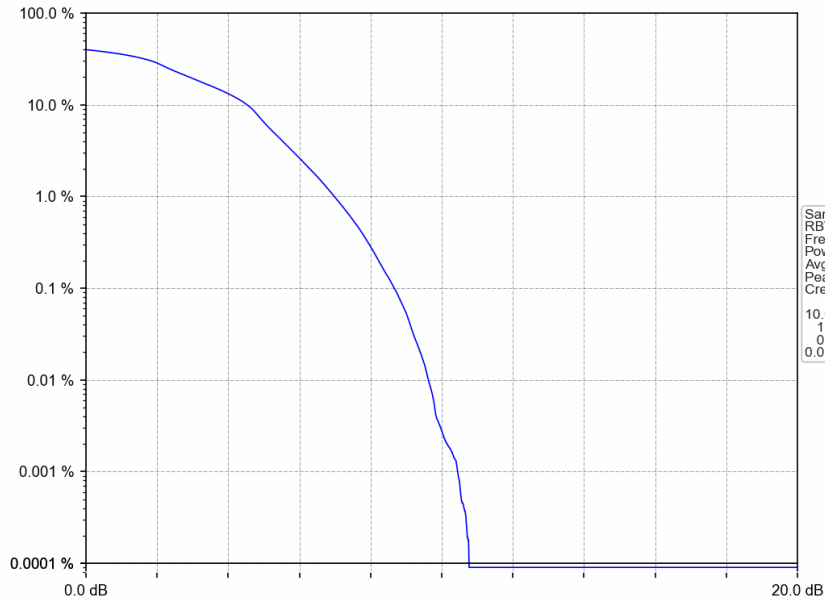
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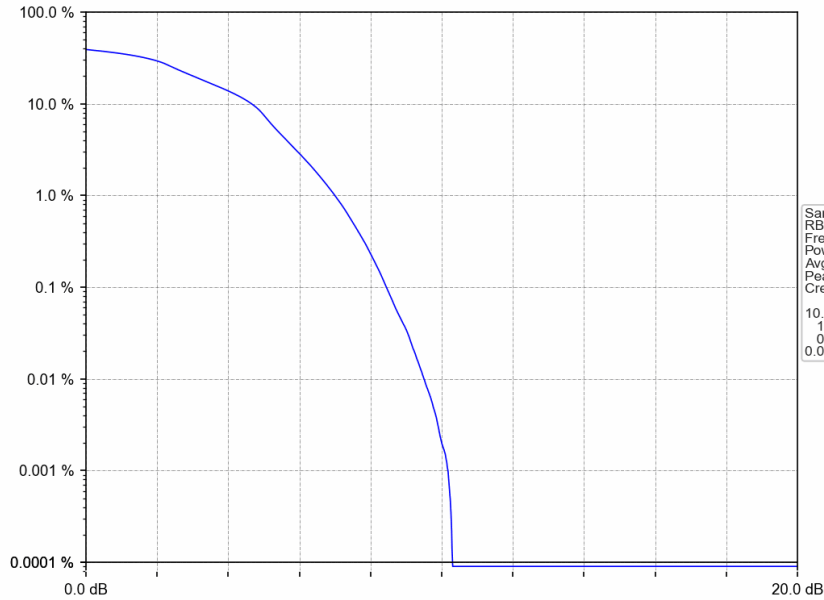
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Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 2593.000MHz
Power:
Avg: 18.79dBm
Peak: 30.19dBm
Crest: 11.40dB
10.0 %: 4.65dB
1.0 %: 7.00dB
0.1 %: 8.45dB
0.01 %: 9.50dB

Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



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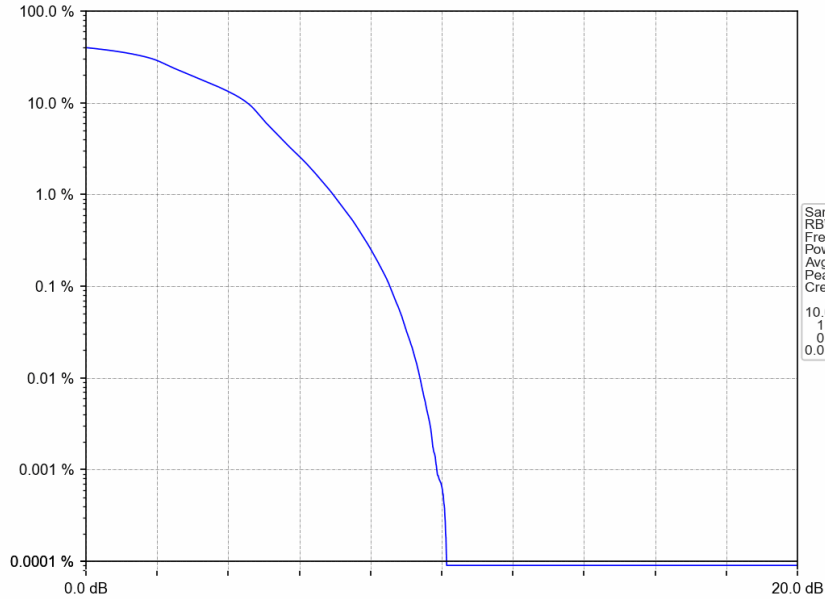
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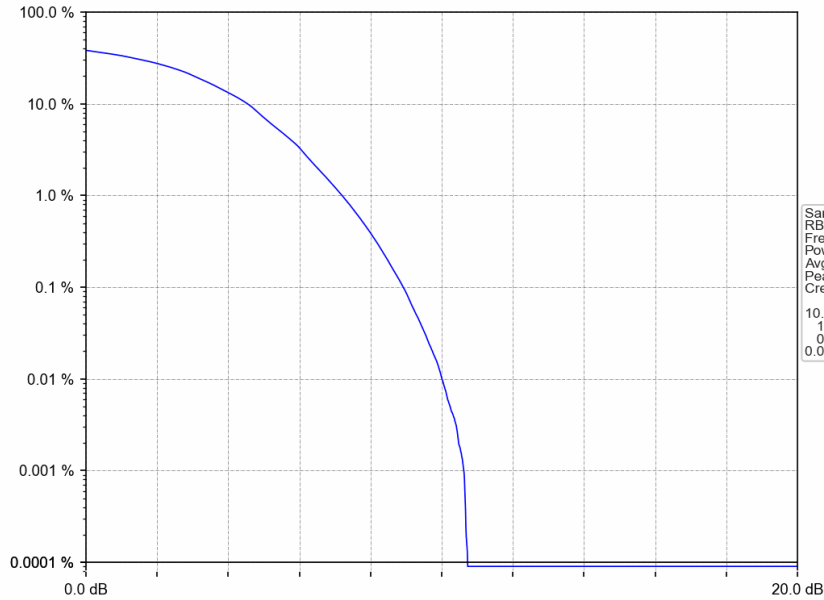
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Band41_5MHz_64QAM_LCH_2498.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 2498.500MHz
Power:
Avg: 17.32dBm
Peak: 28.17dBm
Crest: 10.85dBm
10.0 %: 4.54dB
1.0 %: 7.20dB
0.1 %: 8.92dB
0.01 %: 10.01dB

Band41_5MHz_64QAM_MCH_2593MHz_RB_25_0_NTNV



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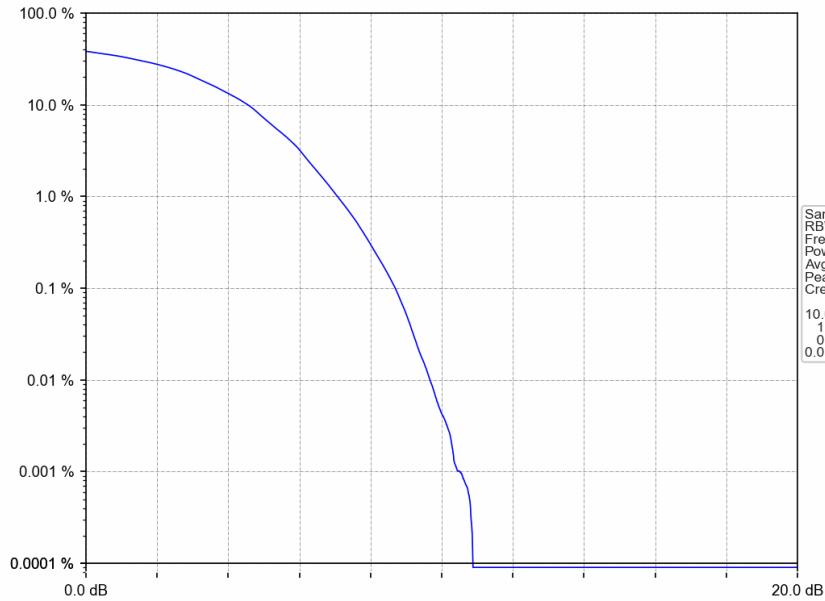
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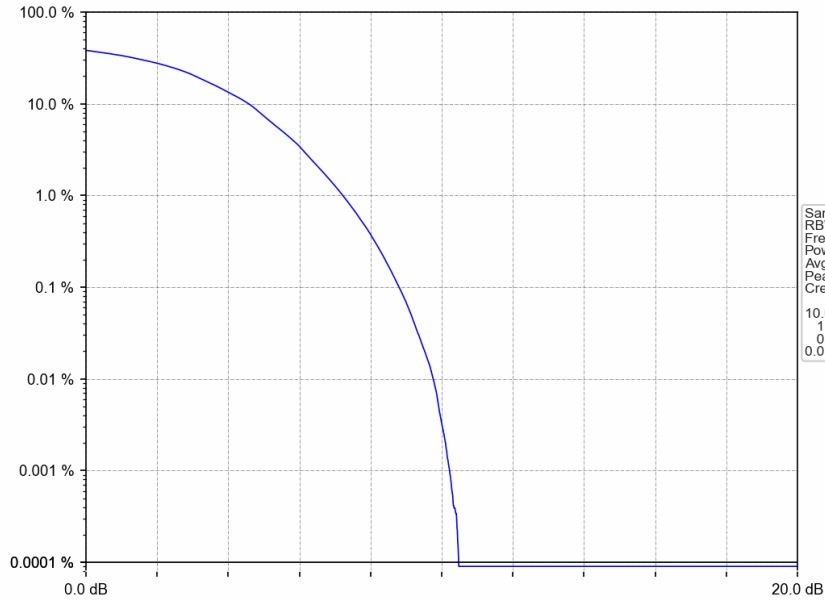
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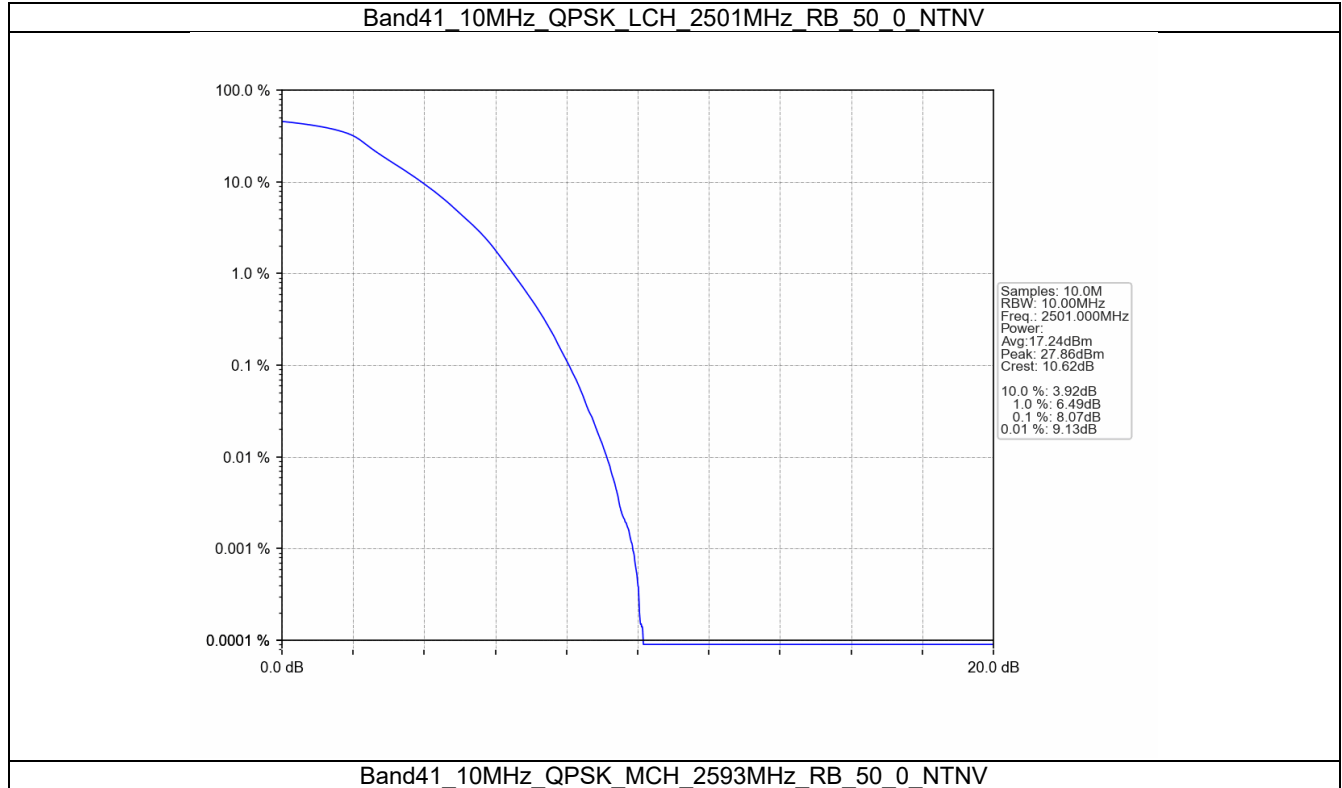
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4.2 B41_10MHz

4.2.2 Test Graph



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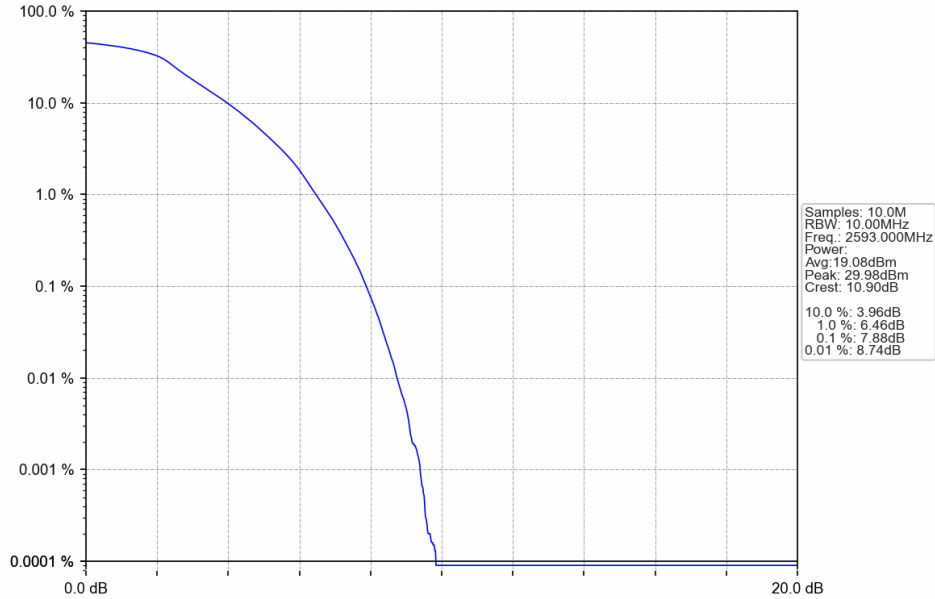
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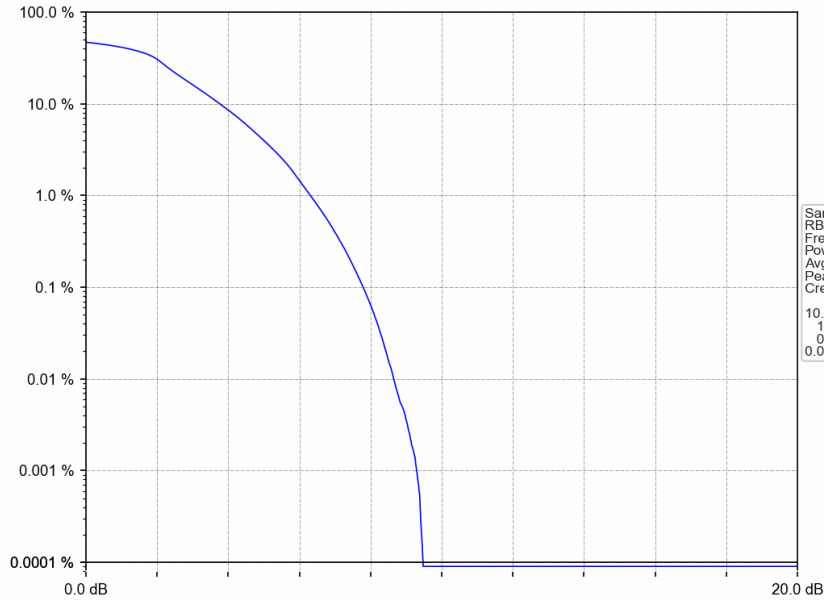
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Samples: 10.0M
RBW: 10.00MHz
Freq.: 2685.000MHz
Power:
Avg: 18.23dBm
Peak: 29.24dBm
Crest: 11.01dB
10.0 %: 3.76dB
1.0 %: 6.31dB
0.1 %: 7.79dB
0.01 %: 8.65dB

Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



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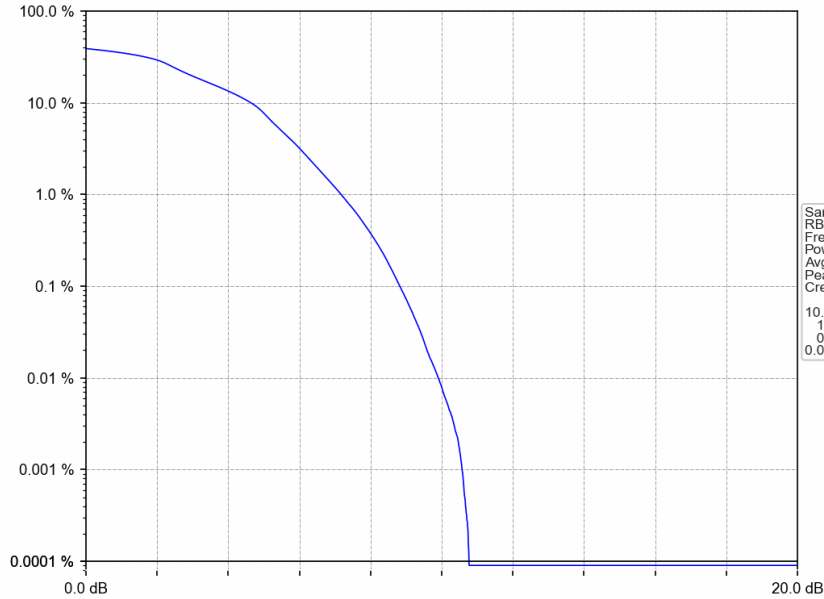
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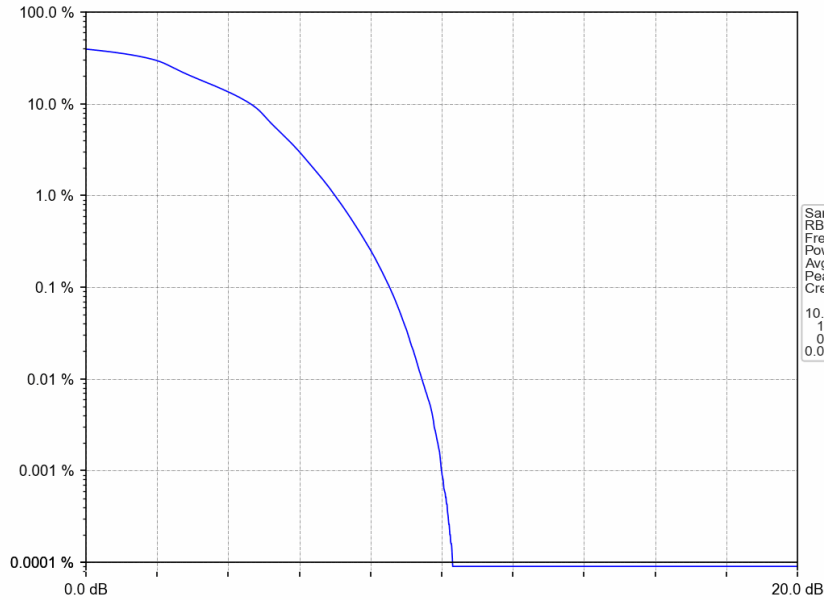
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Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



Band41 10MHz 16QAM HCH 2685MHz RB 50 0 NTNV



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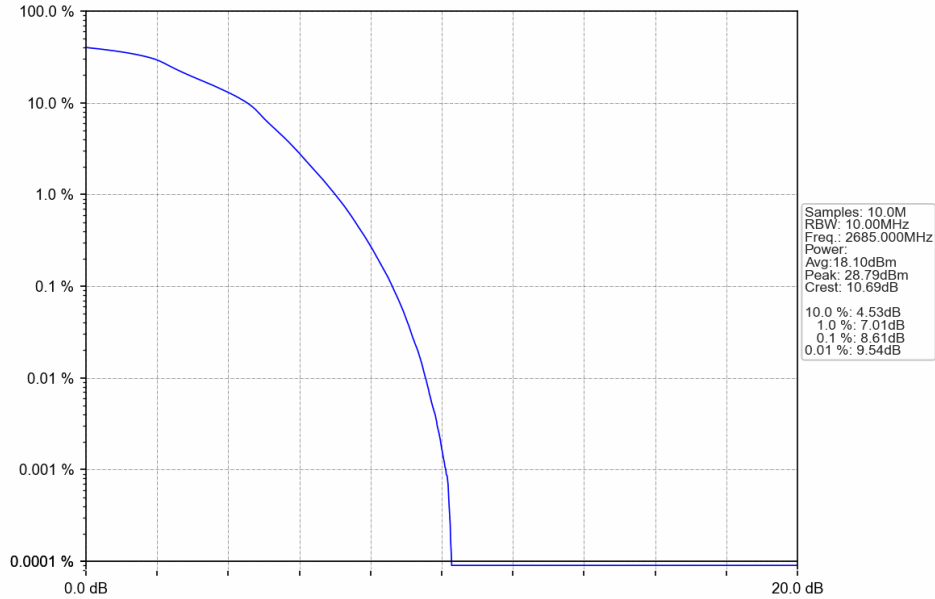
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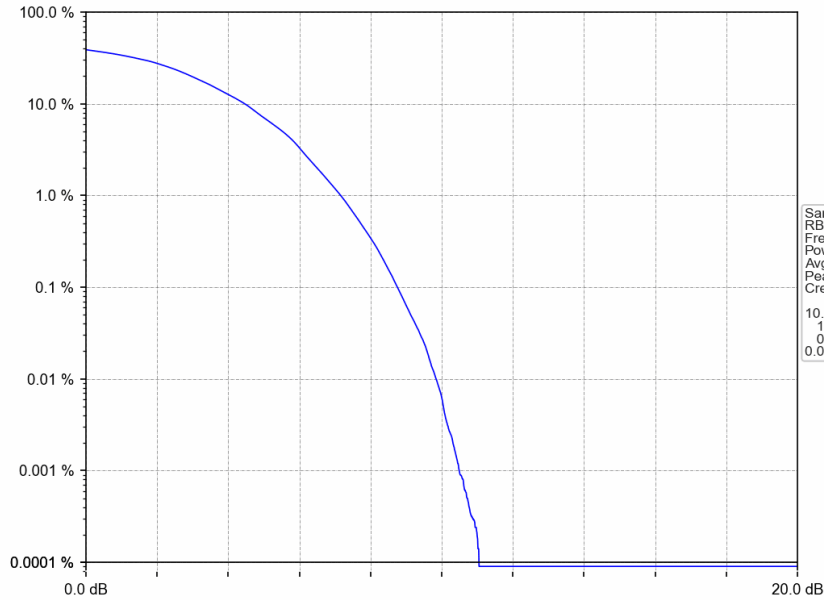
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Band41 10MHz 64QAM LCH 2501MHz RB 50 0 NTN



Band41 10MHz 64QAM MCH 2593MHz RB 50 0 NTN



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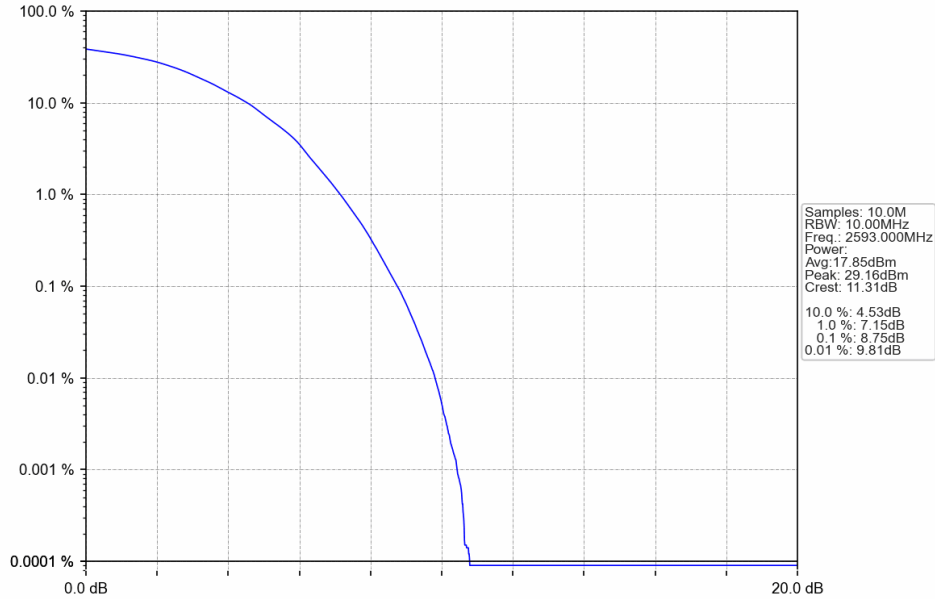
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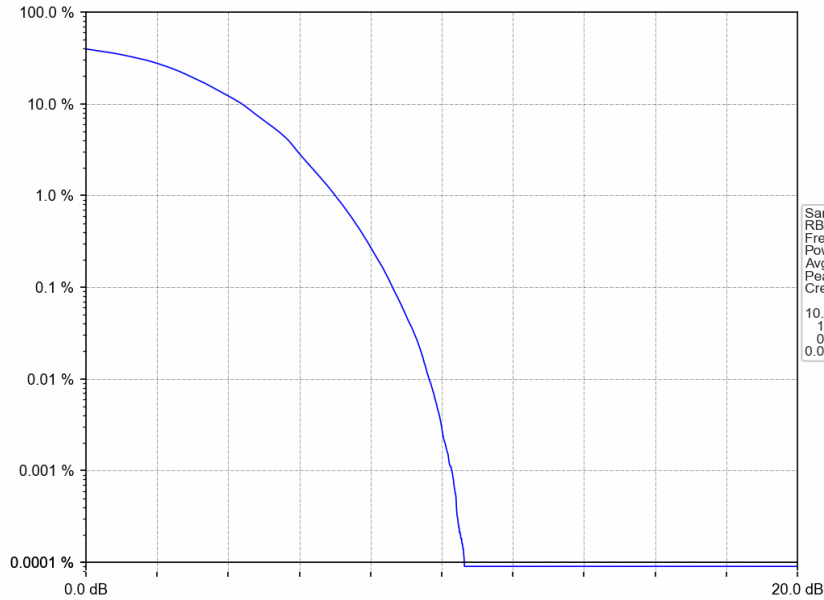
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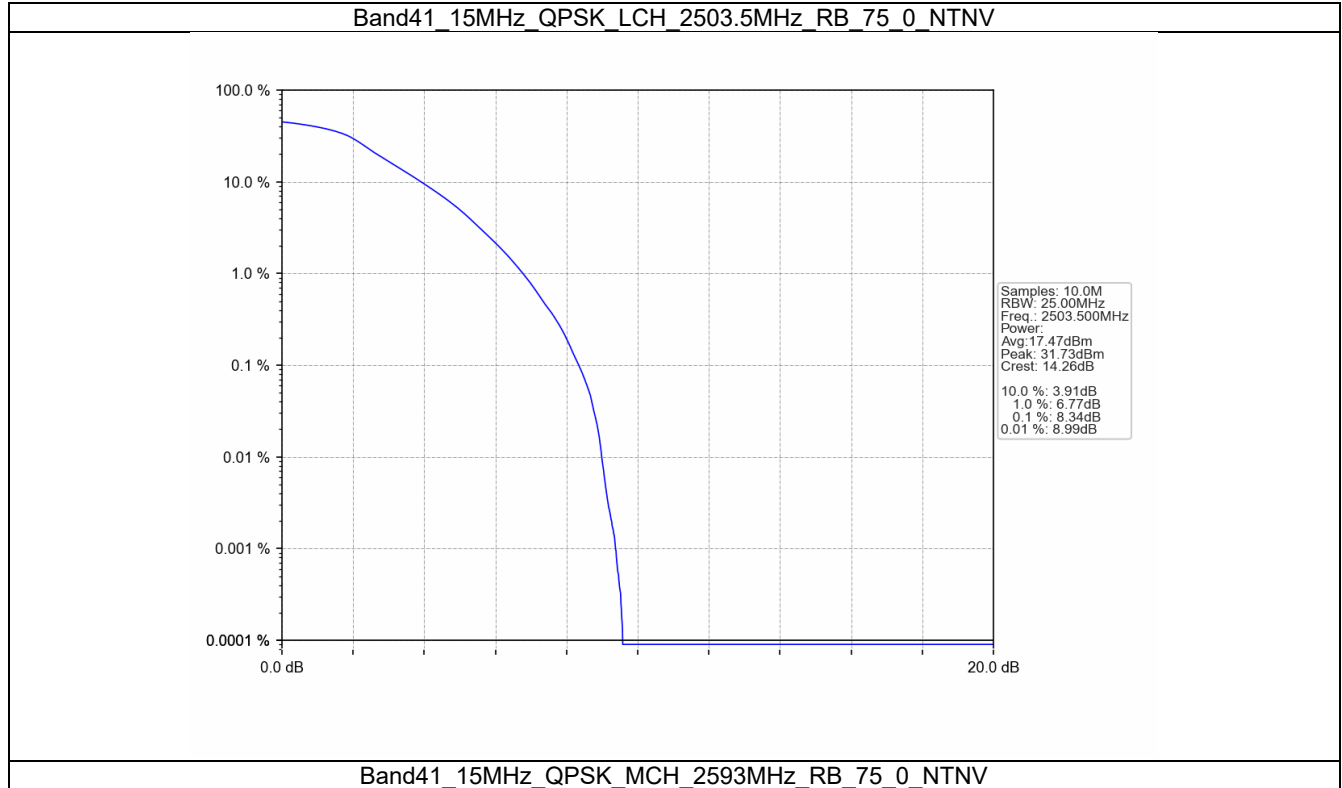
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4.3 B41_15MHz

4.3.2 Test Graph



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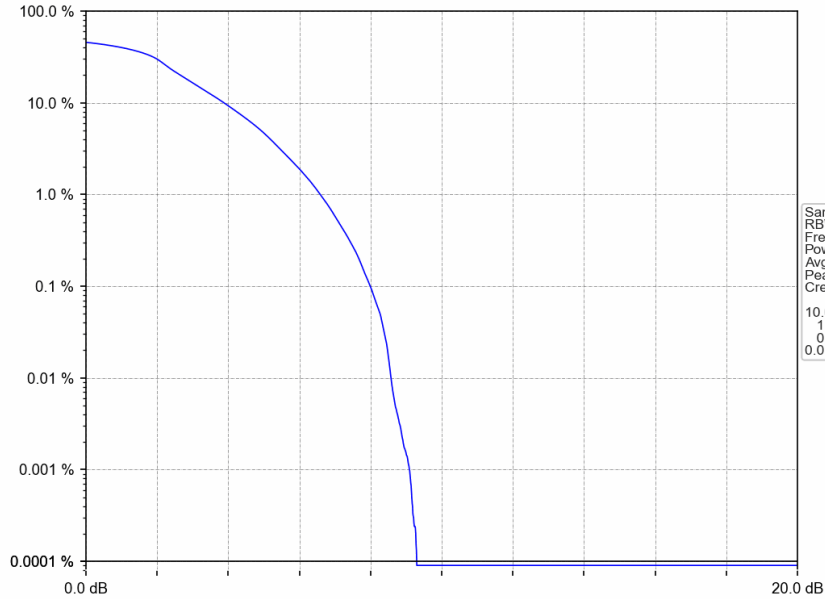
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Samples: 10.0M
RBW: 25.00MHz
Freq.: 2593.000MHz
Power:
Avg: 19.41dBm
Peak: 29.47dBm
Crest: 10.06dB

10.0 %: 3.88dB
1.0 %: 6.59dB
0.1 %: 7.99dB
0.01 %: 8.57dB



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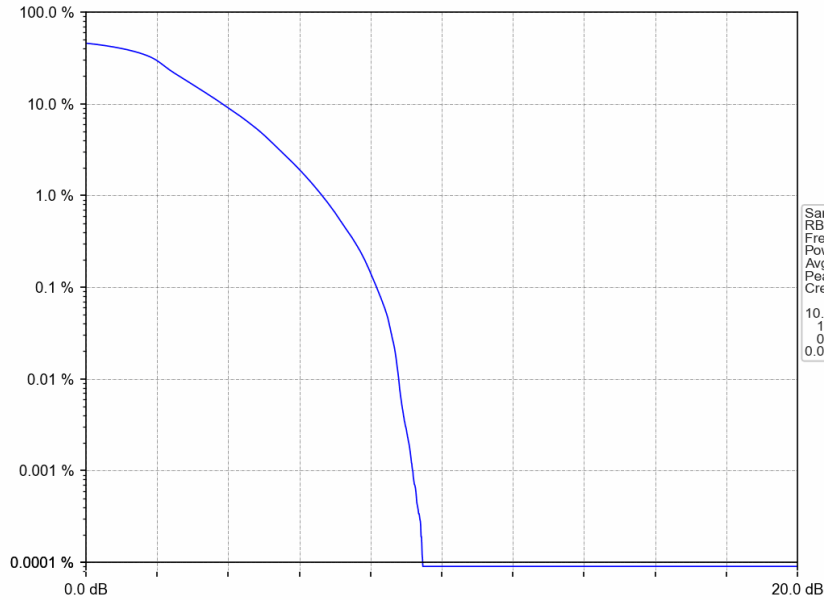
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Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2682.500MHz
Power:
Avg: 18.38dBm
Peak: 28.50dBm
Crest: 10.12dB
10.0 %: 3.83dB
1.0 %: 6.63dB
0.1 %: 8.17dB
0.01 %: 8.79dB

Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



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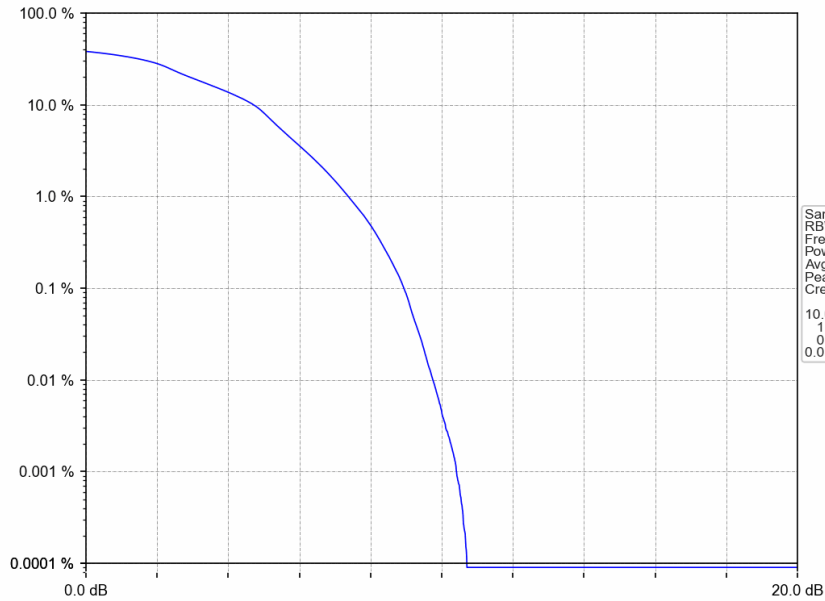
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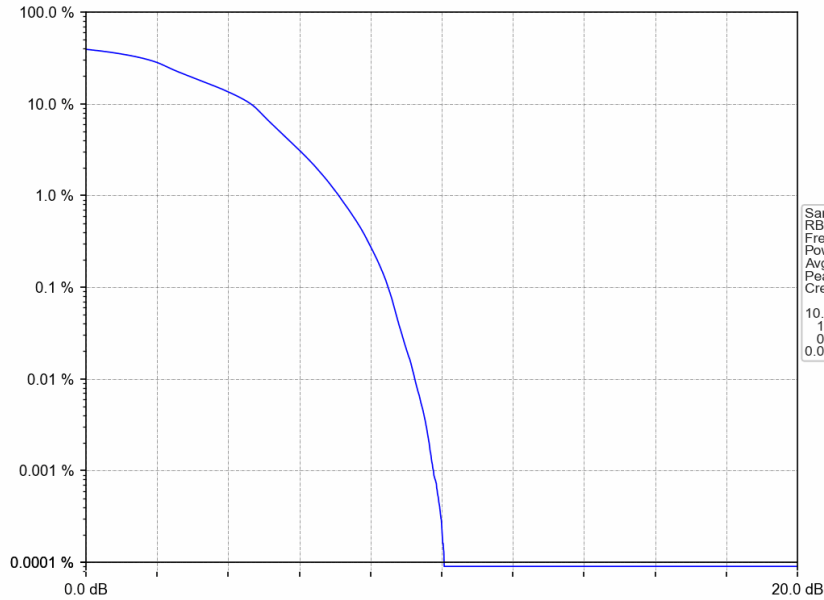
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Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



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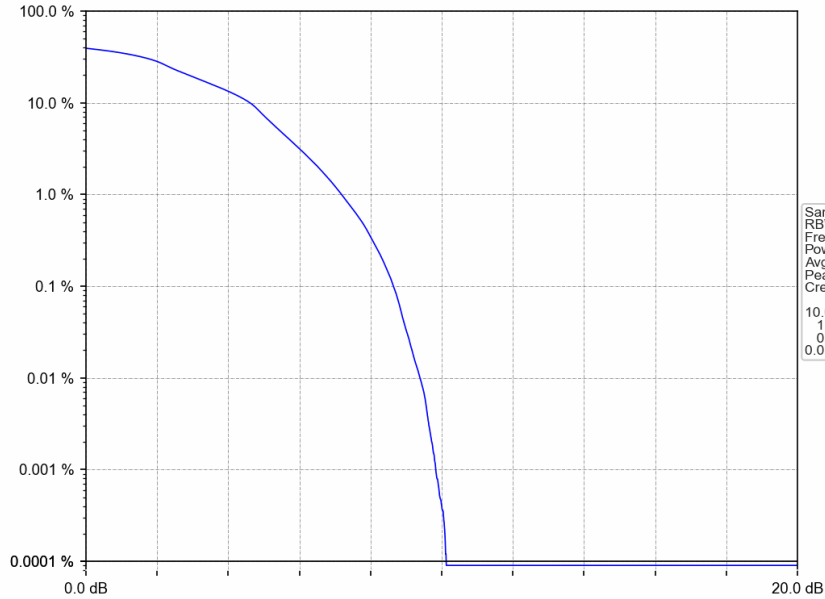
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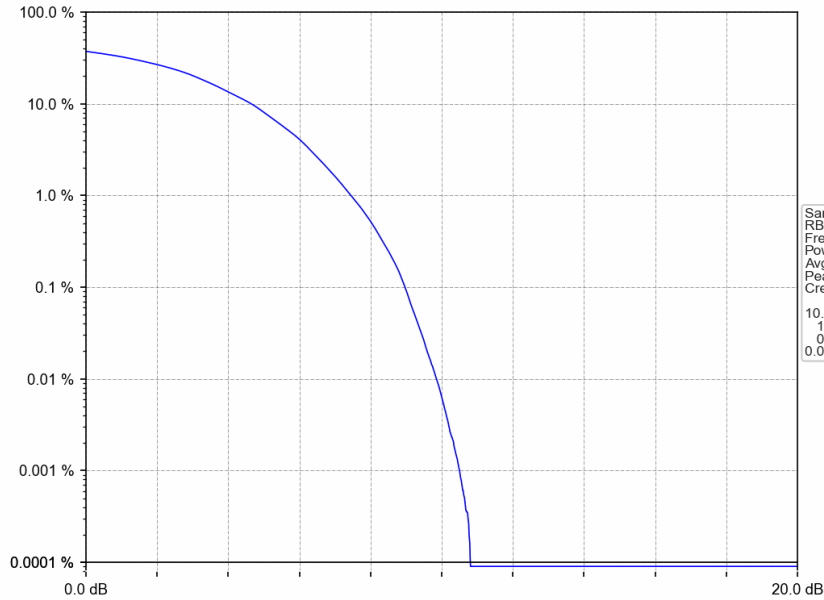
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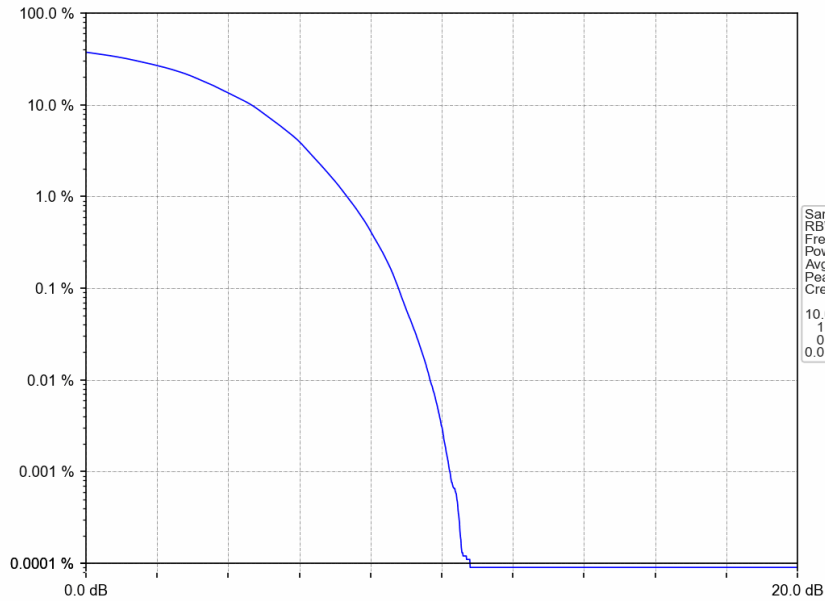
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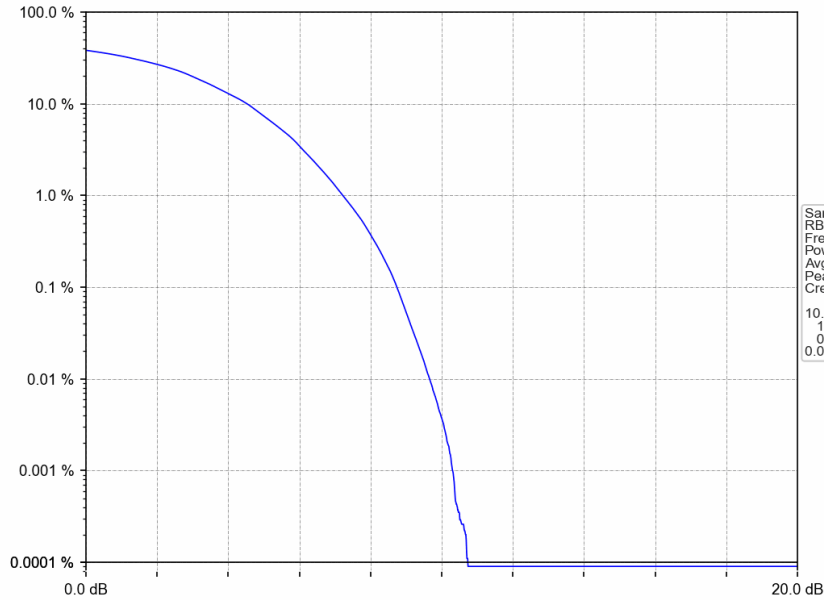
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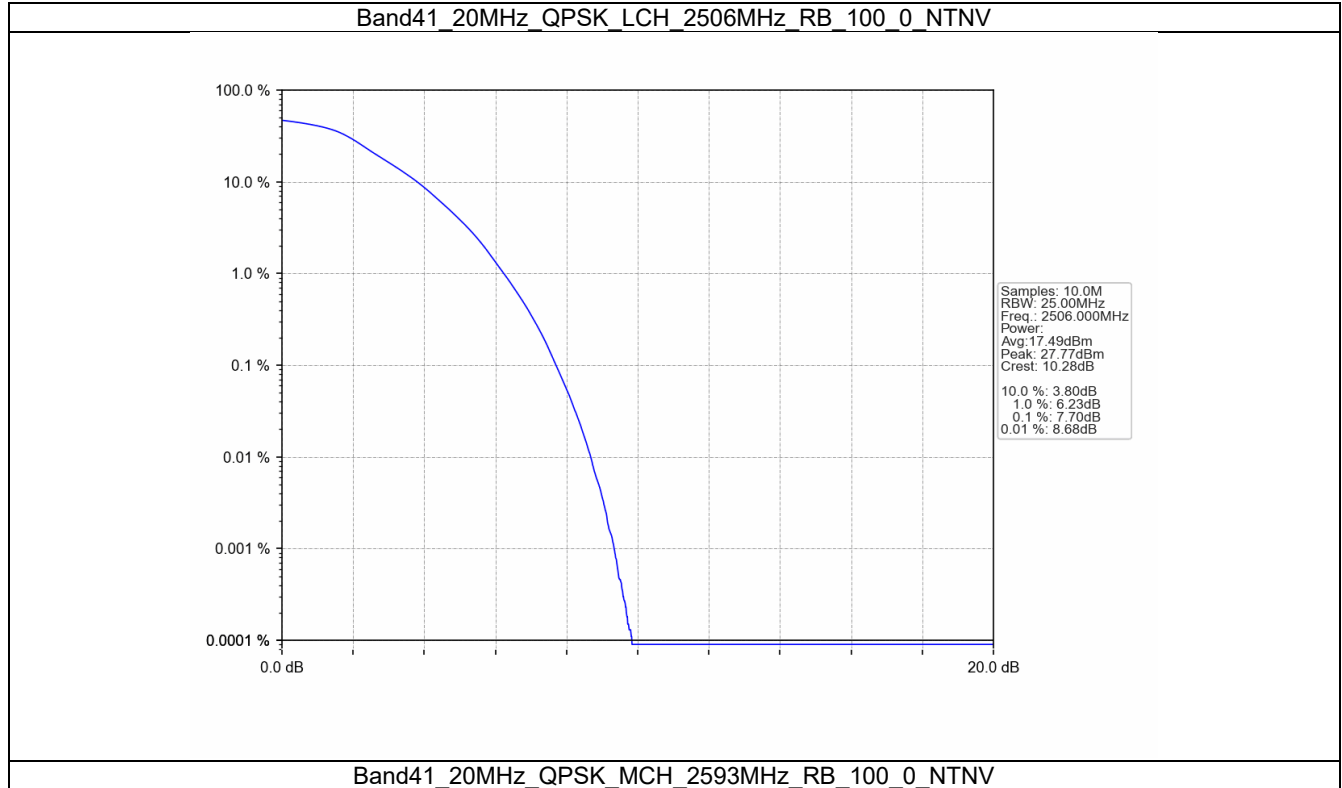
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4.4 B41_20MHz

4.4.2 Test Graph



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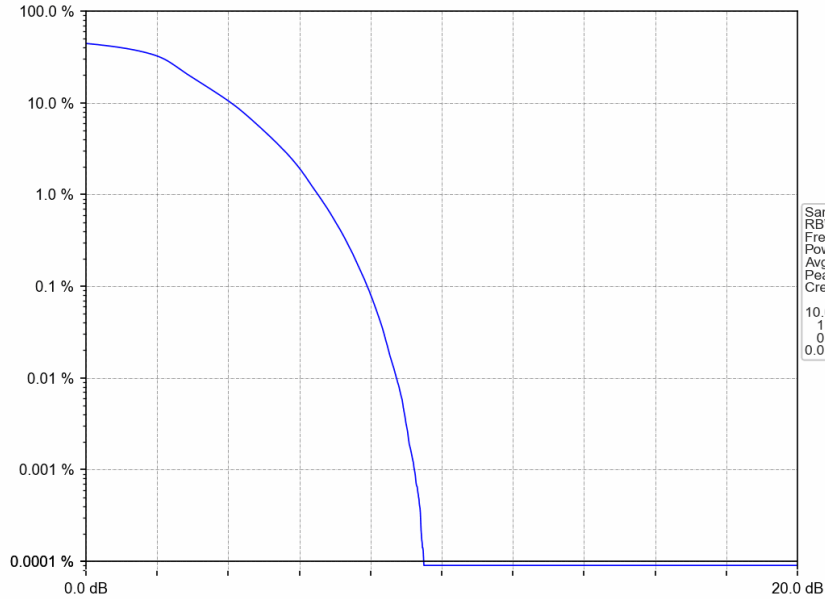
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Samples: 10.0M
RBW: 25.00MHz
Freq.: 2593.000MHz
Power:
Avg: 18.91dBm
Peak: 28.63dBm
Crest: 9.72dB
10.0 %: 4.08dB
1.0 %: 6.52dB
0.1 %: 7.90dB
0.01 %: 8.73dB



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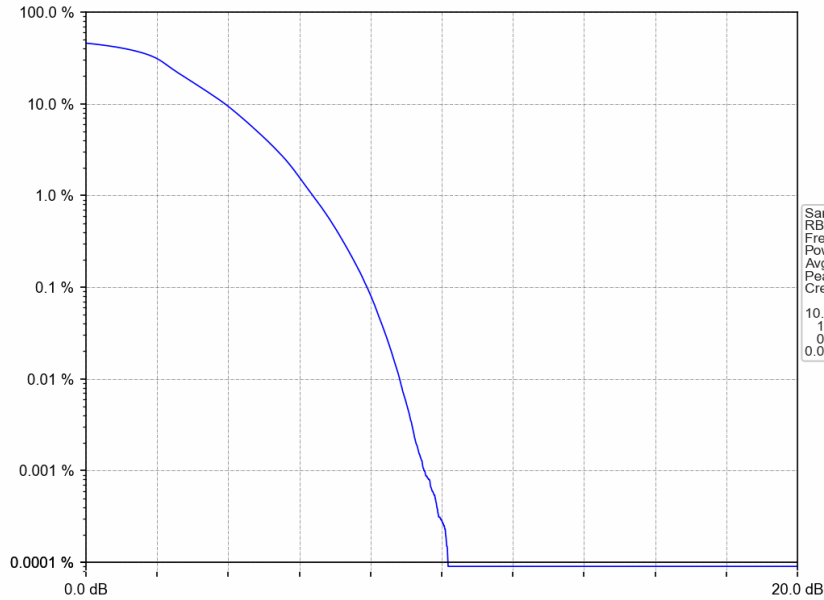
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Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTN



Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTN



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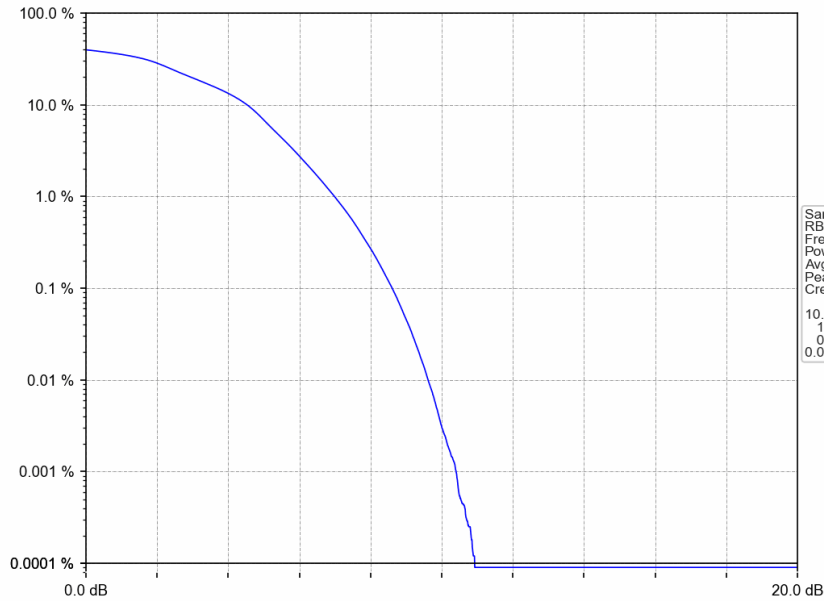
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Samples: 10.0M
RBW: 25.00MHz
Freq.: 2506.000MHz
Power:
Avg: 17.34dBm
Peak: 28.89dBm
Crest: 11.55dB
10.0 %: 4.53dB
1.0 %: 6.99dB
0.1 %: 8.61dB
0.01 %: 9.62dB



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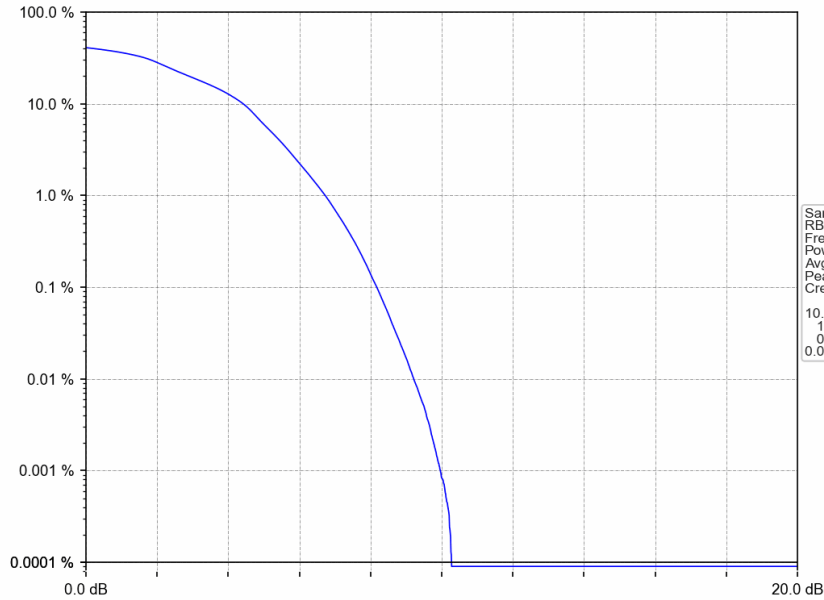
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Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



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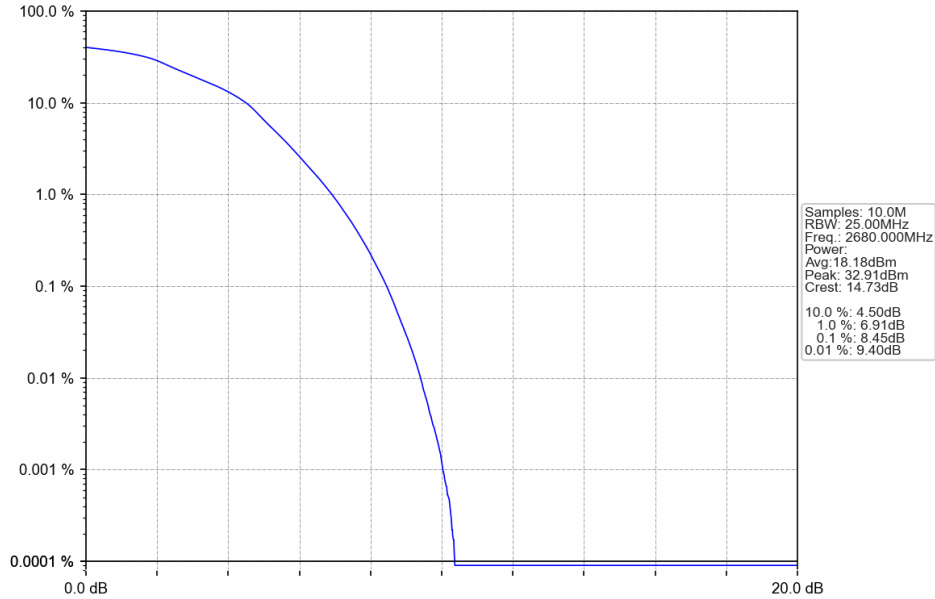
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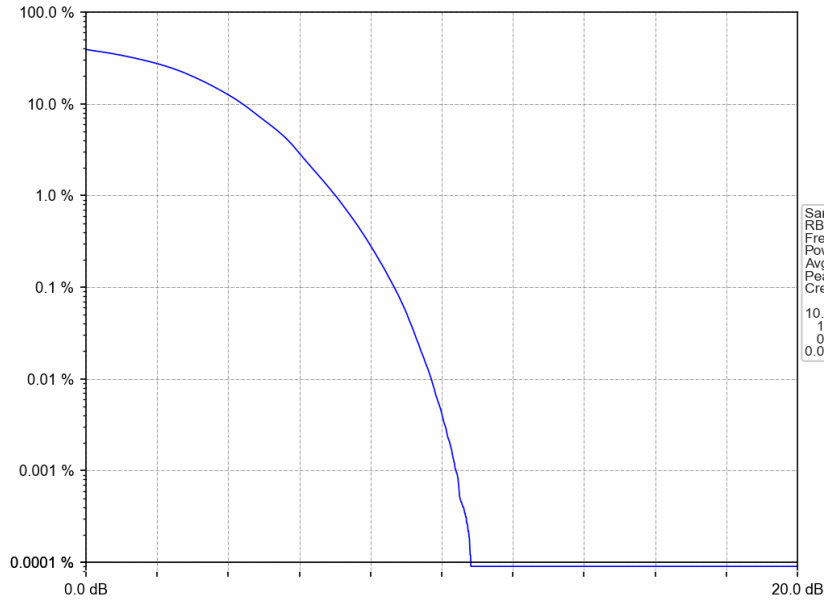
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Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



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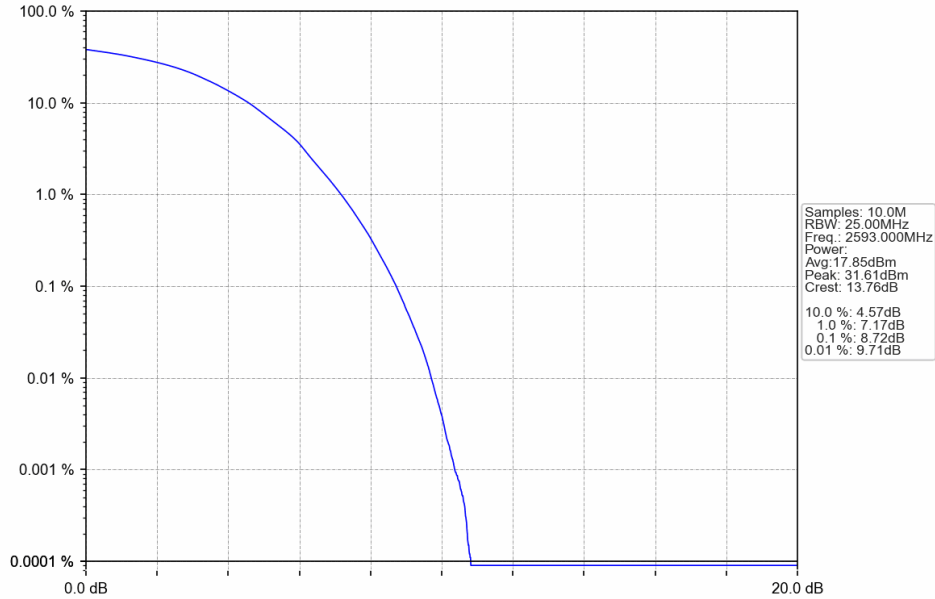
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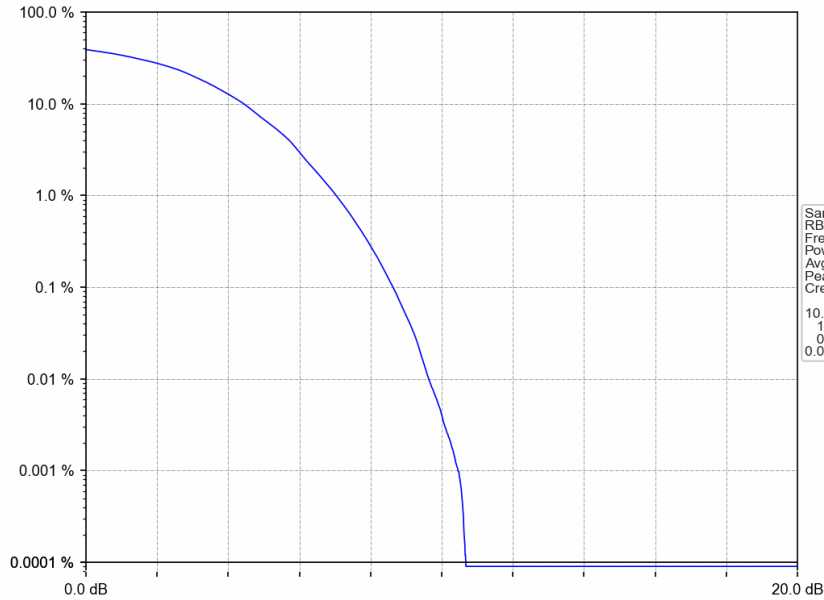
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Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 2680.000MHz
Power:
Avg: 17.69dBm
Peak: 28.43dBm
Crest: 10.74dB
10.0 %: 4.43dB
1.0 %: 7.03dB
0.1 %: 8.63dB
0.01 %: 9.63dB



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5. Spurious Emission & Band Edges

5.1 B41_5MHz

5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
	2687.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

5.2 B41_10MHz

5.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
	2685	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass



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5.3 B41_15MHz

5.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.4 B41_20MHz

5.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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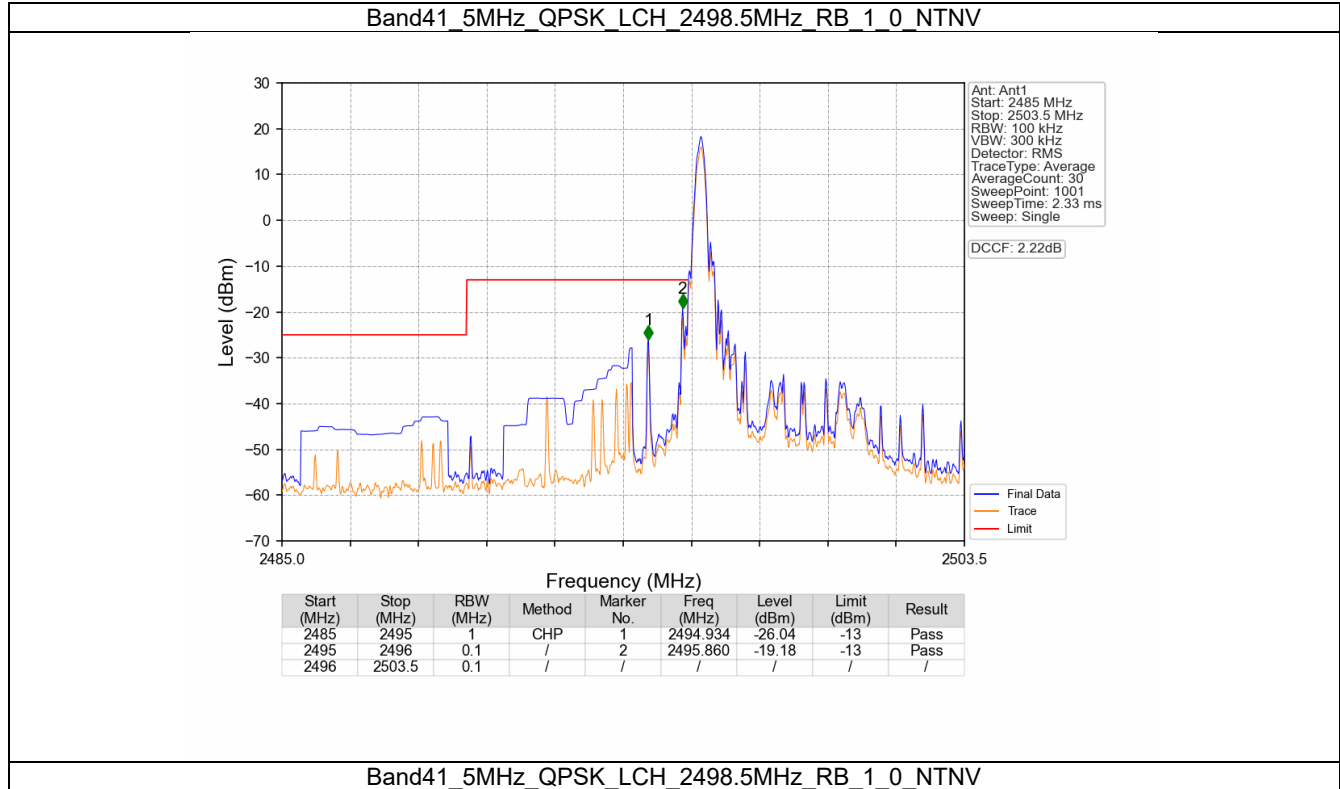
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5.1 B41_5MHz

5.1.2 Test Graph



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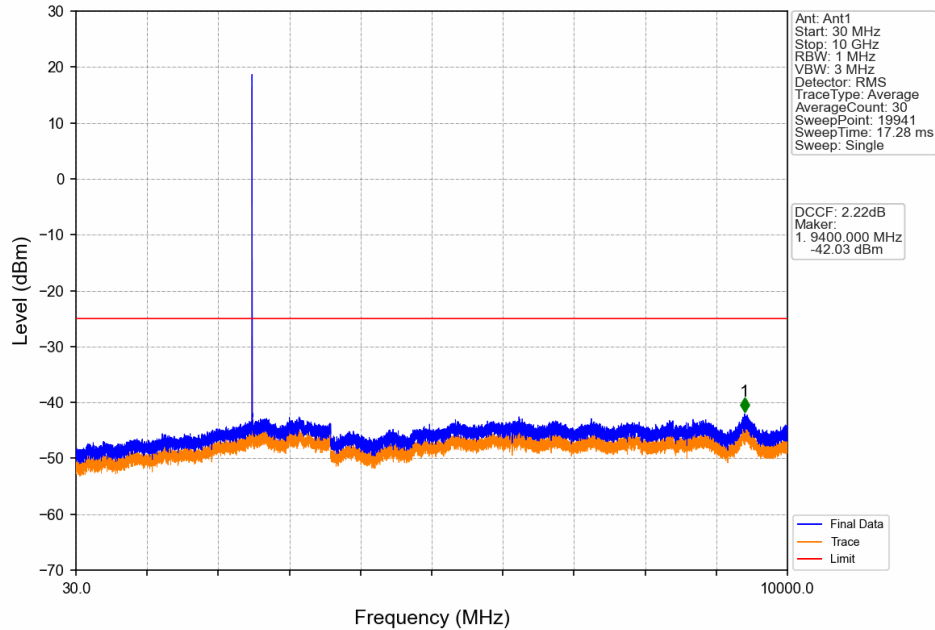
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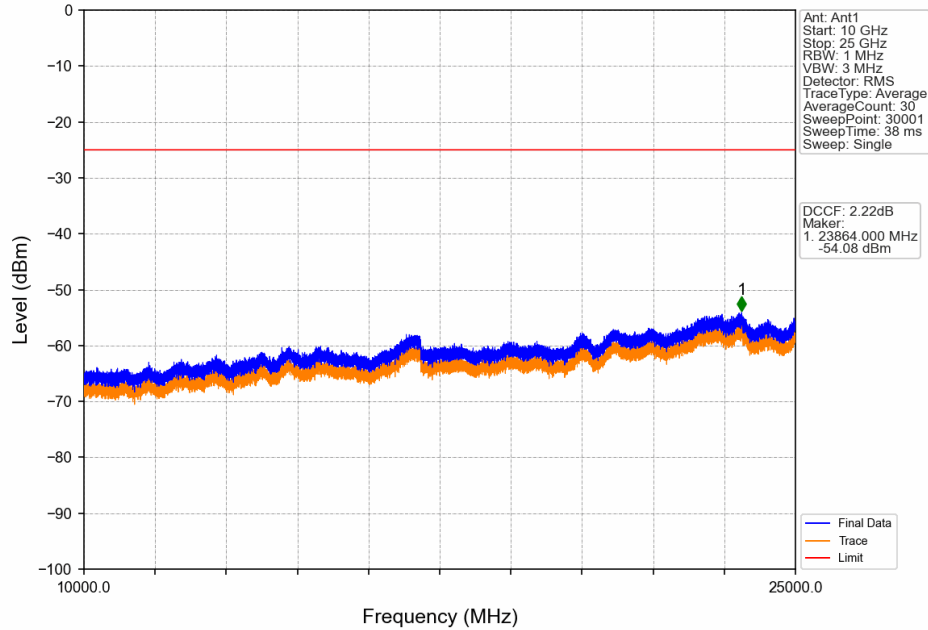
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Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



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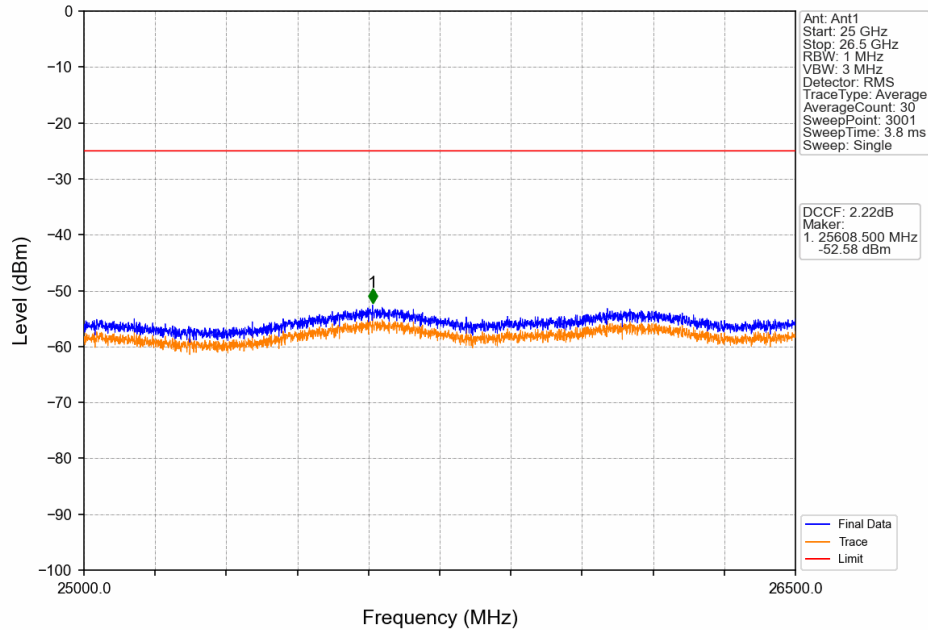
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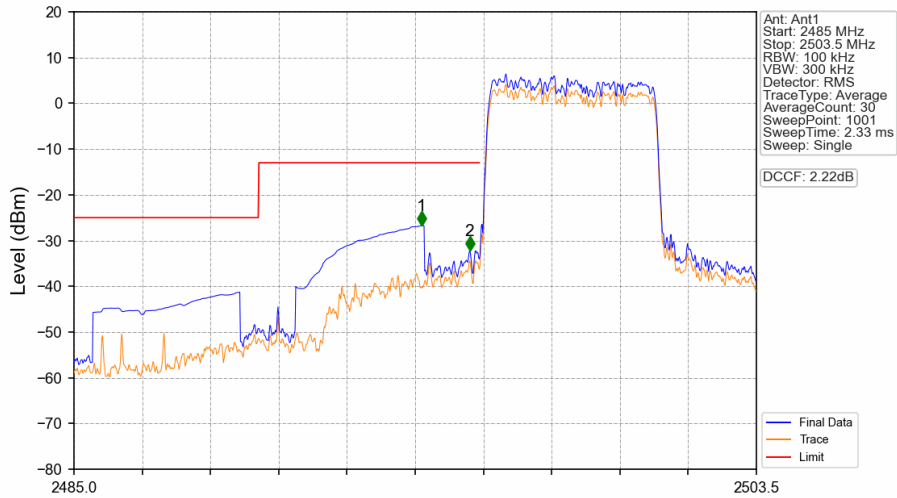
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Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.416	-26.74	-13	Pass
2495	2496	0.1	/	2	2495.730	-32.19	-13	Pass
2496	2503.5	0.112	/	/	/	/	/	/

Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



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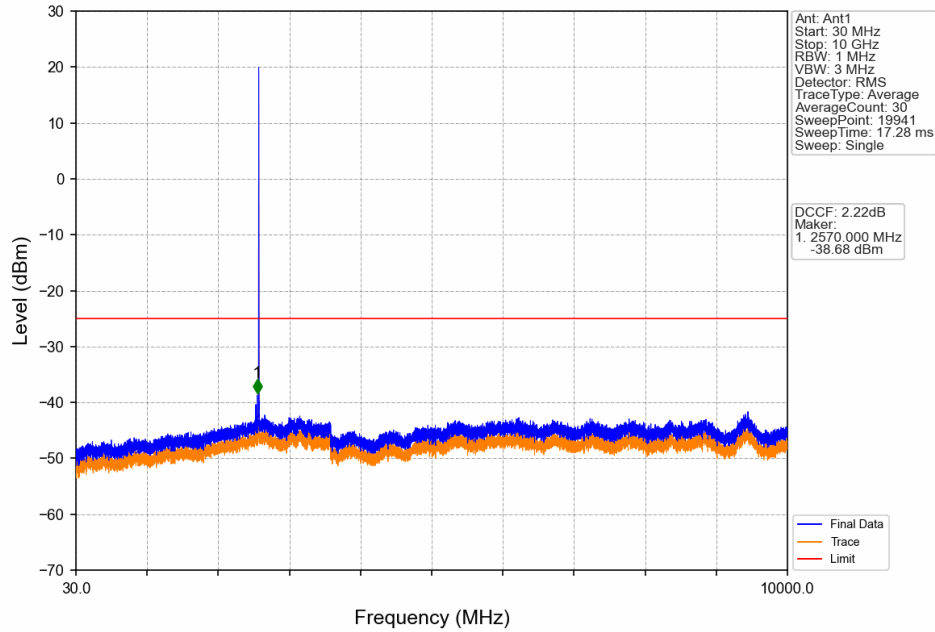
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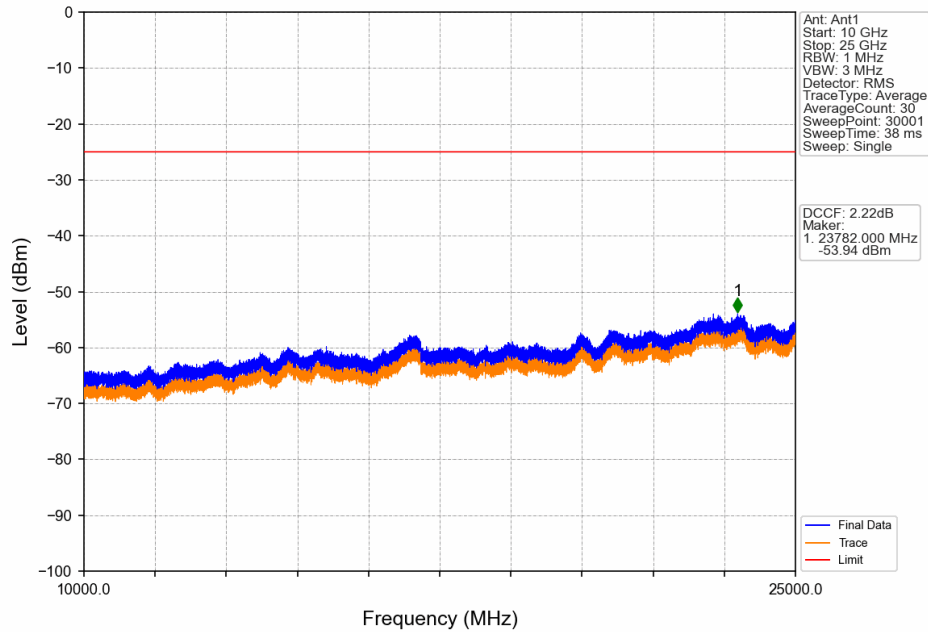
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Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



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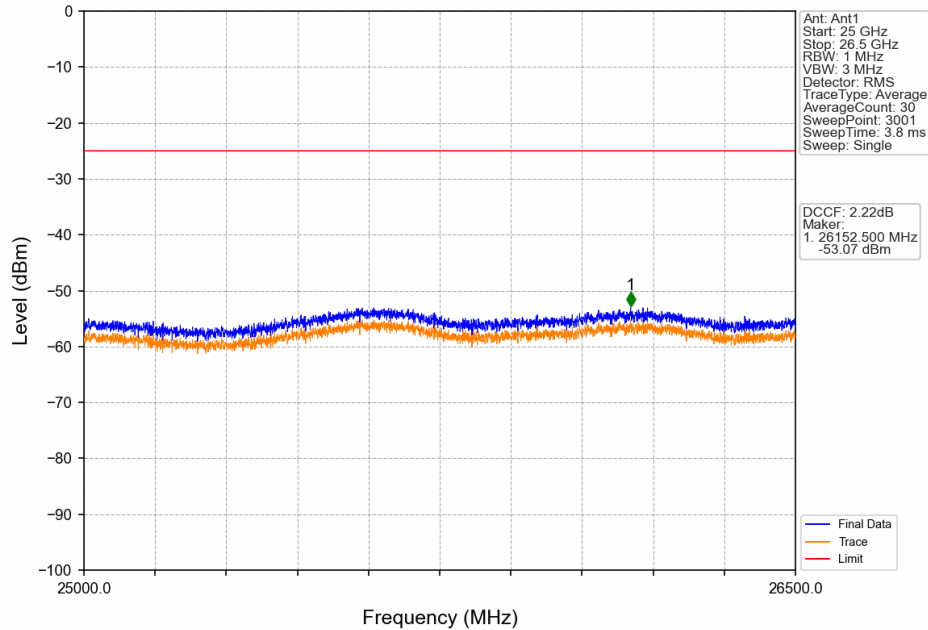
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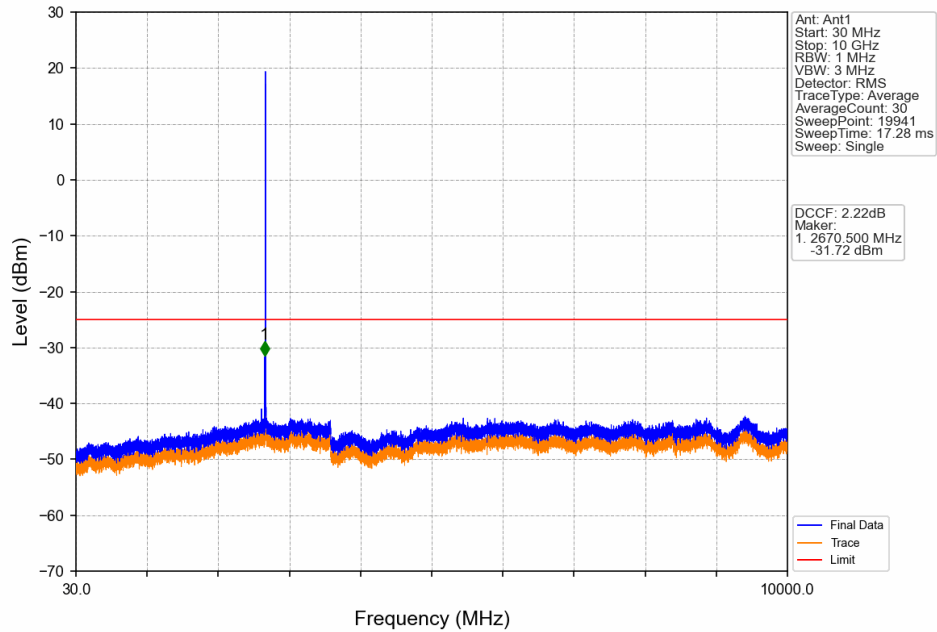
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



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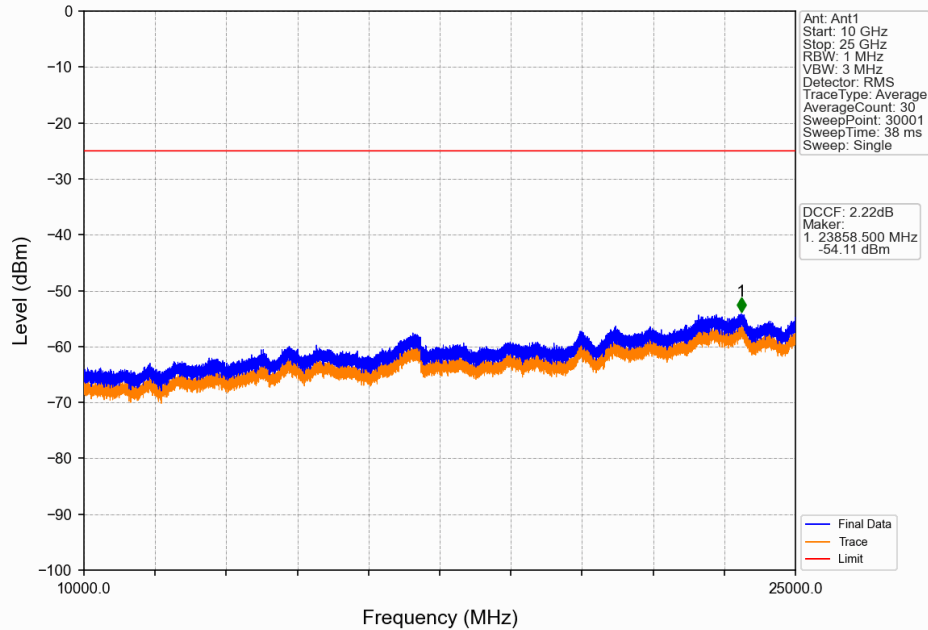
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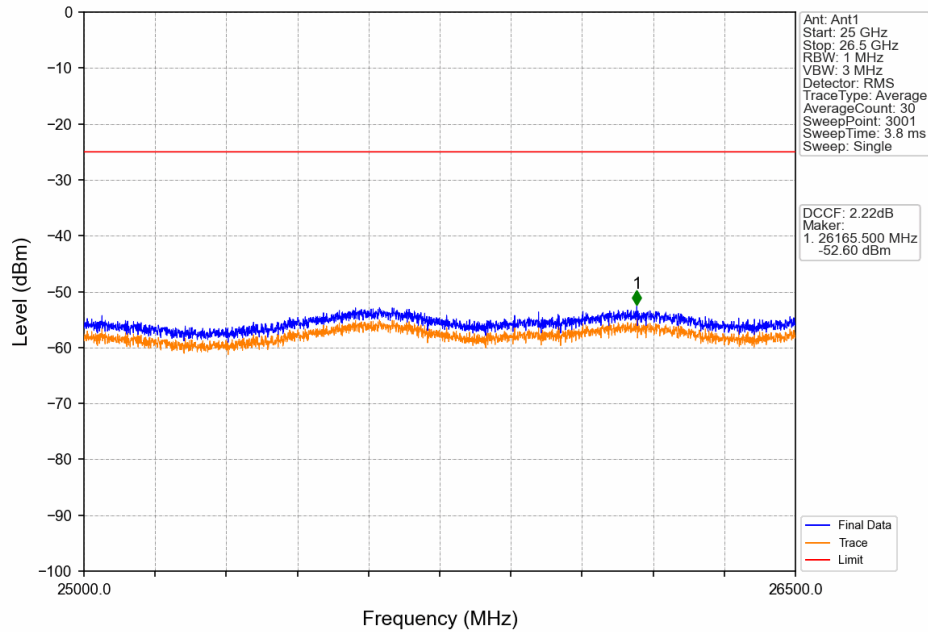
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



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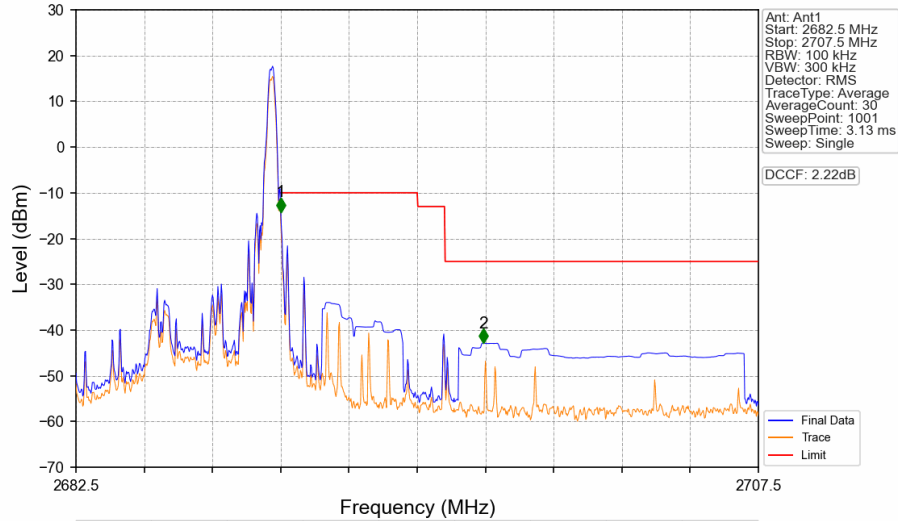
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	/	/	/	/	/
2690	2691	0.1	/	1	2690.000	-14.20	-10	Pass
2691	2707.5	1	CHP	2	2697.425	-42.85	-25	Pass



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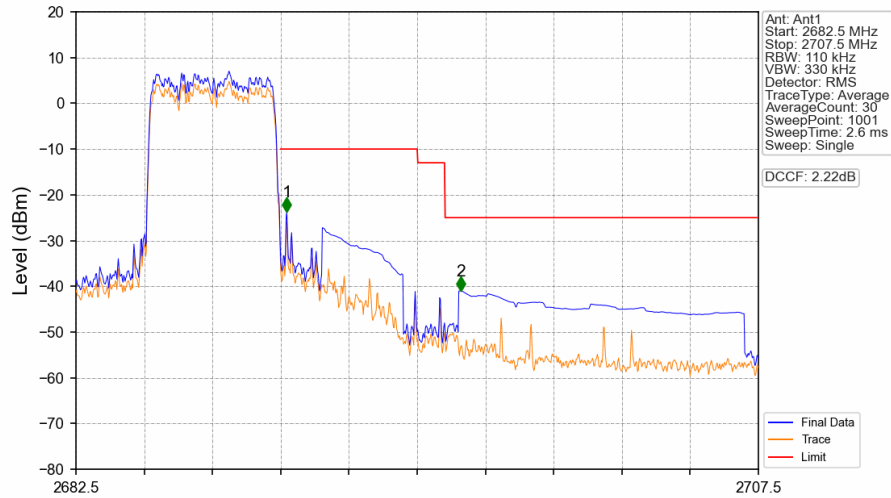
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.11	/	/	/	/	/	/
2690	2691	0.11	/	1	2690.225	-23.71	-10	Pass
2691	2707.5	1	CHP	2	2696.600	-40.98	-25	Pass



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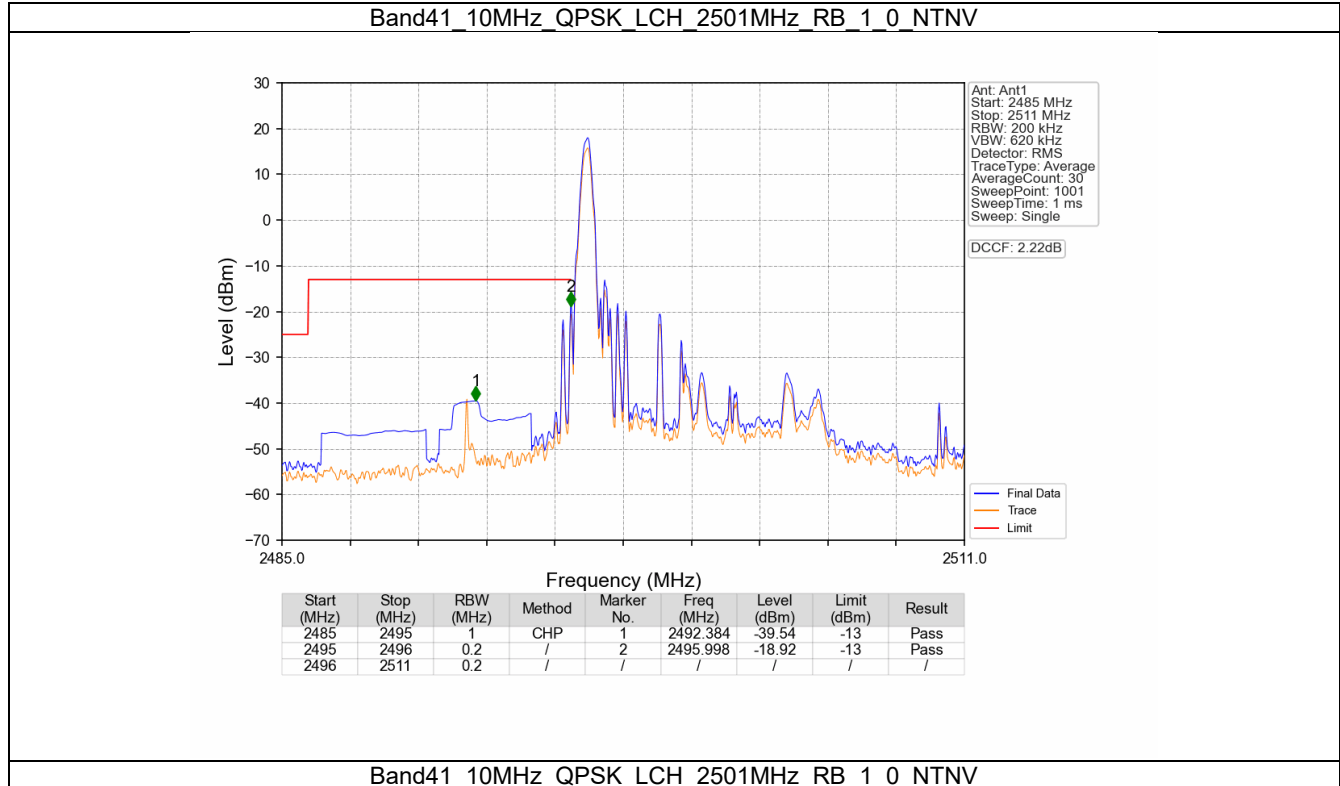
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5.2 B41_10MHz

5.2.2 Test Graph



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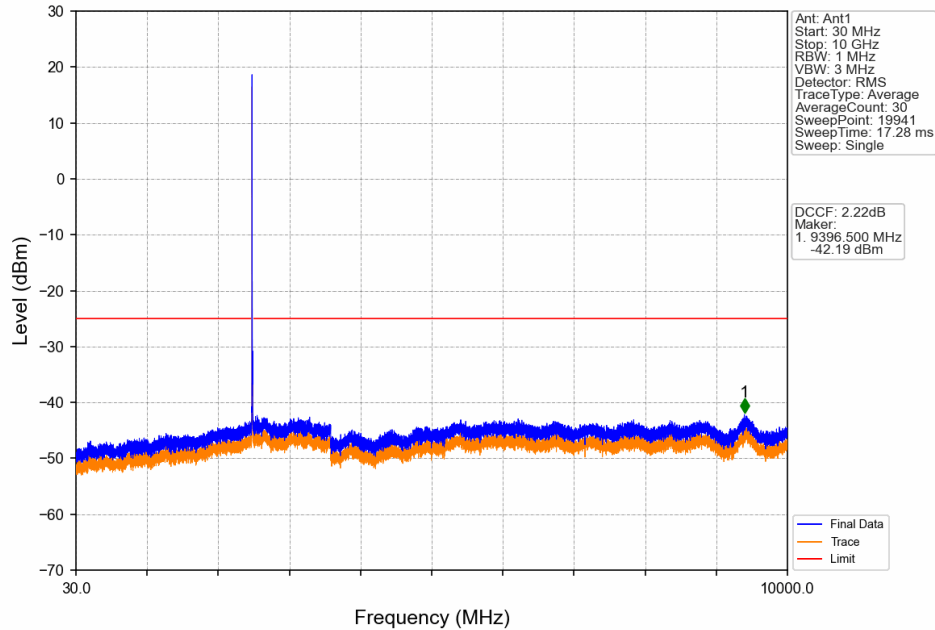
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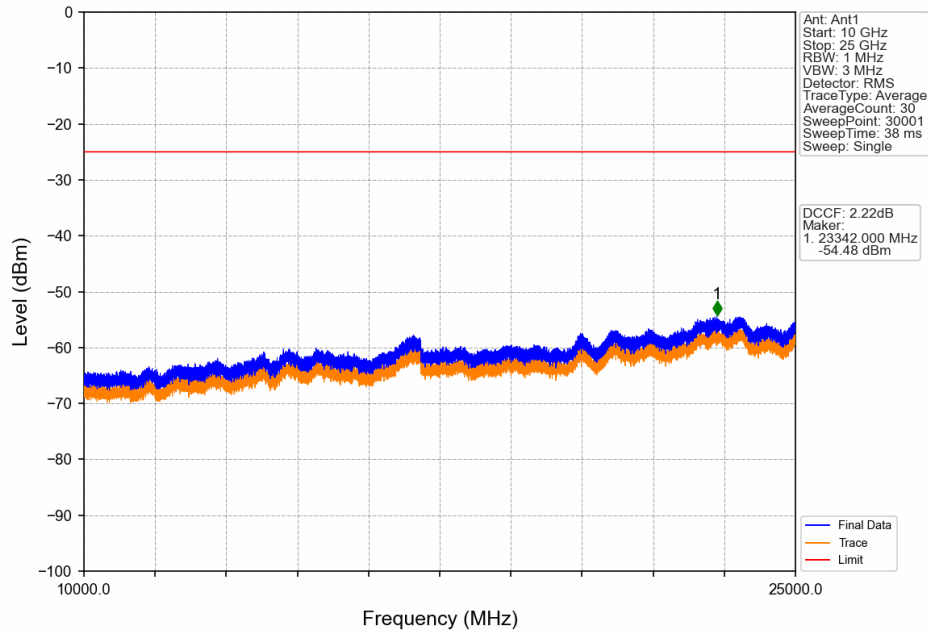
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Band41 10MHz QPSK LCH 2501MHz RB 1 0 NTNV



Band41 10MHz QPSK LCH 2501MHz RB 1 0 NTNV



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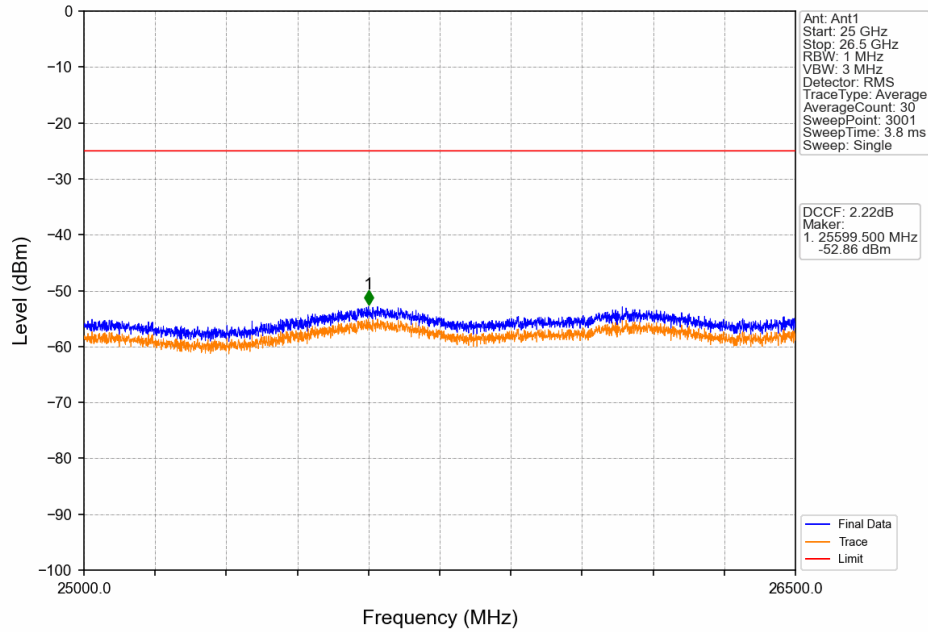
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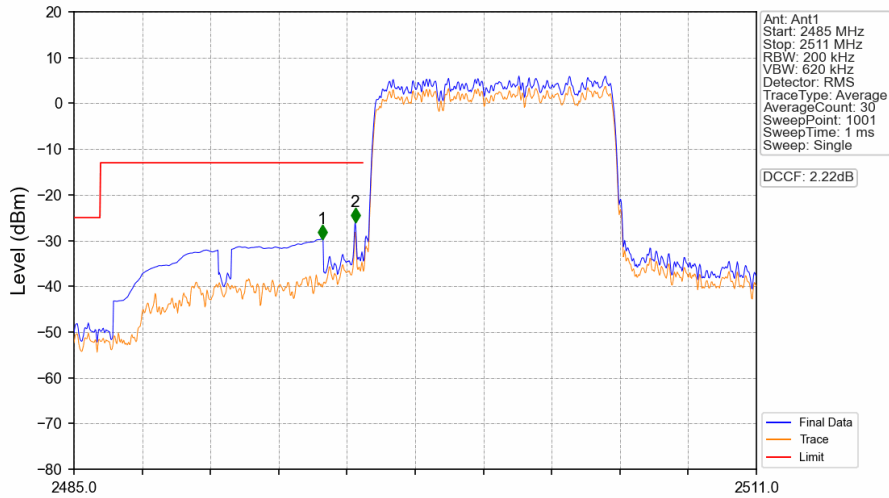
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.464	-29.65	-13	Pass
2495	2496	0.2	/	2	2495.712	-25.97	-13	Pass
2496	2511	0.223	/	/	/	/	/	/

Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



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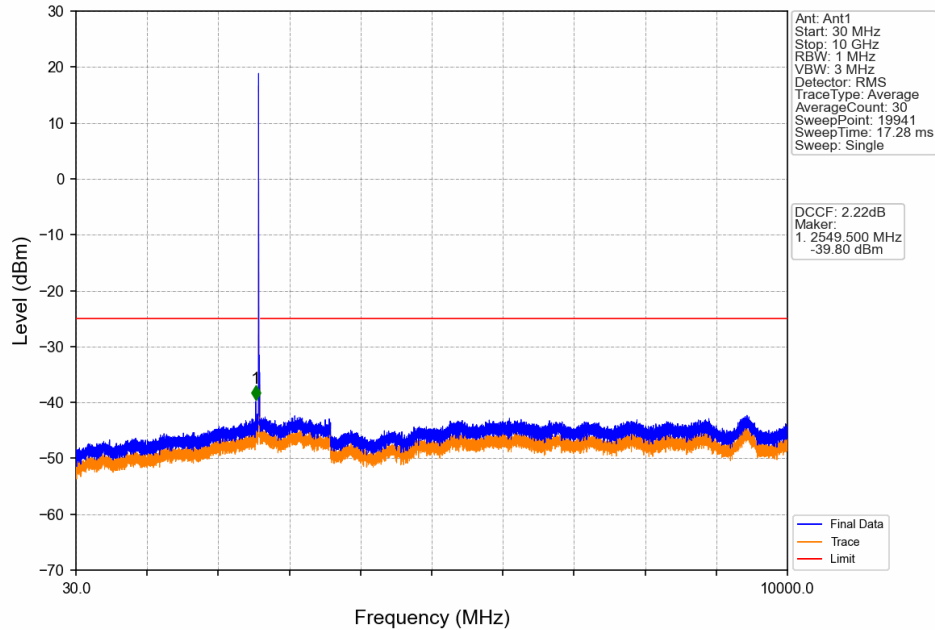
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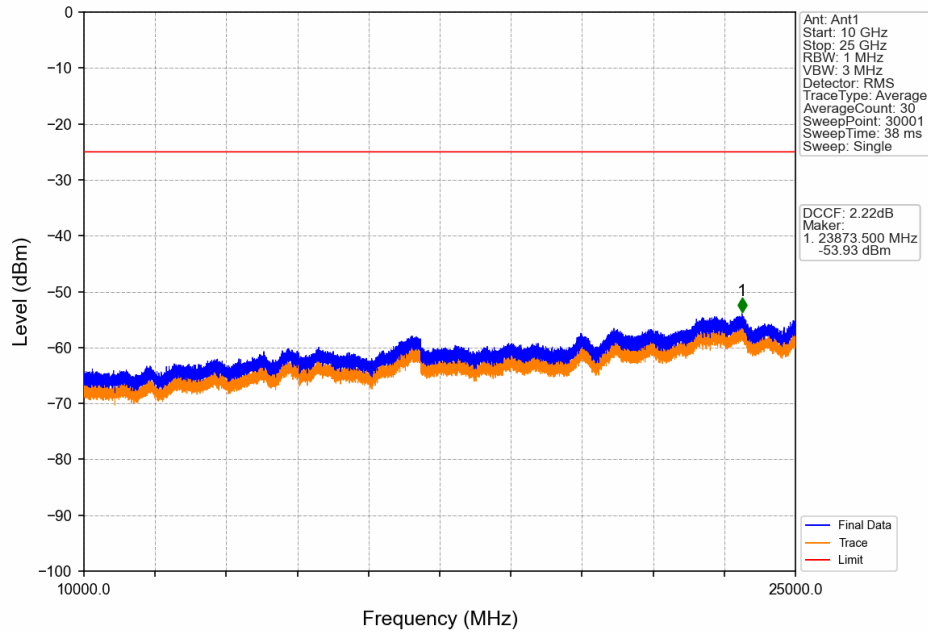
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Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



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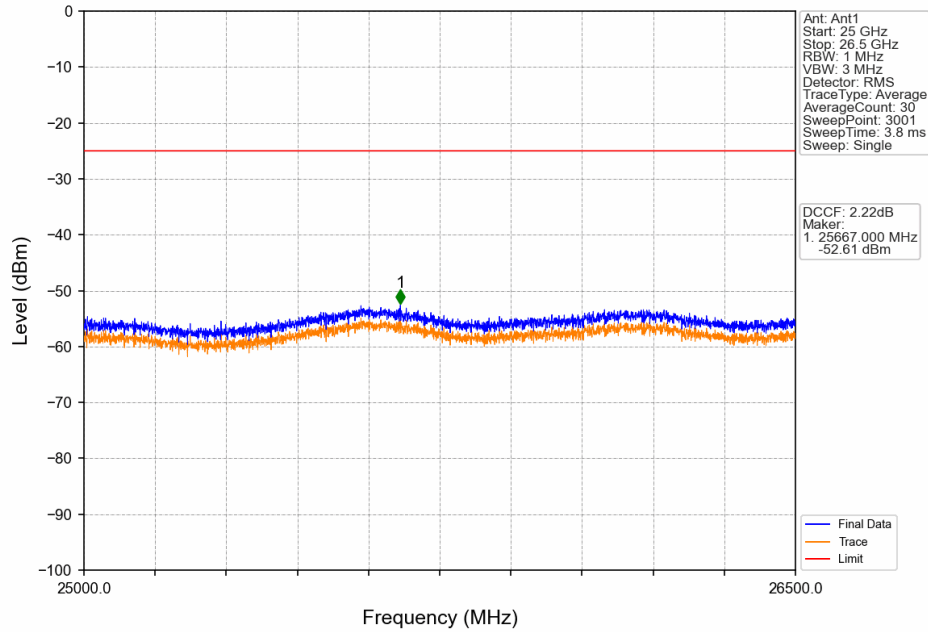
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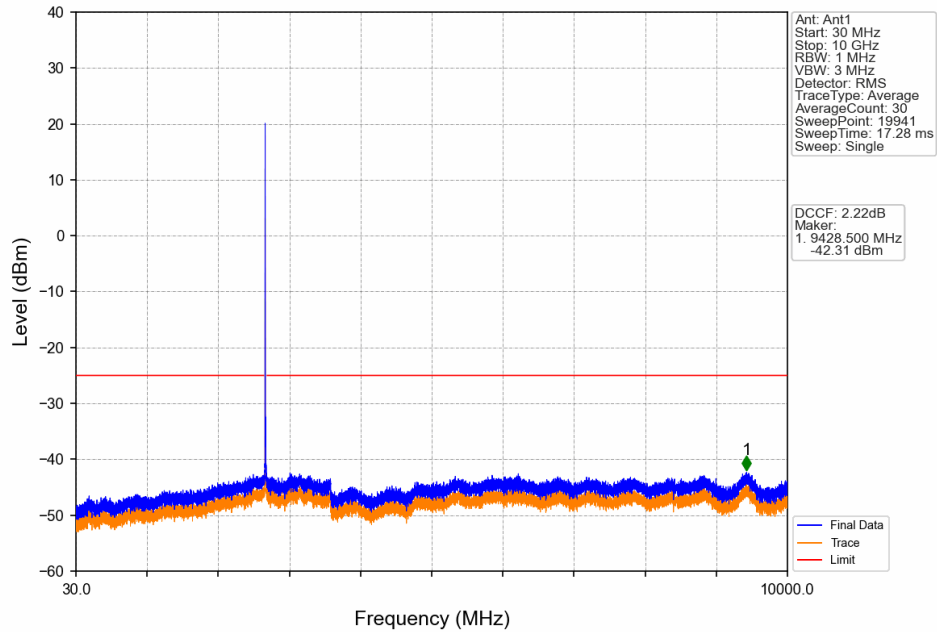
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Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



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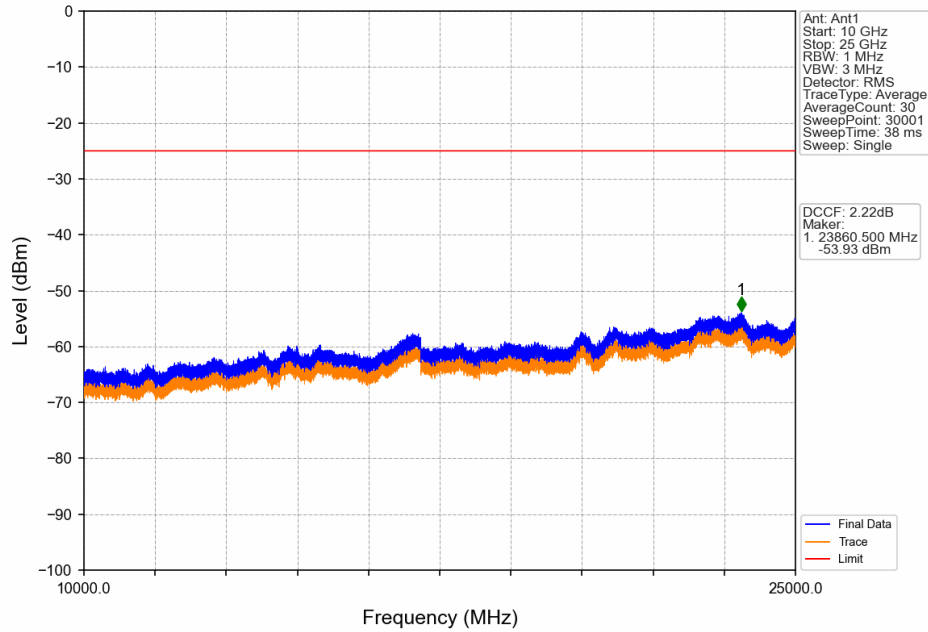
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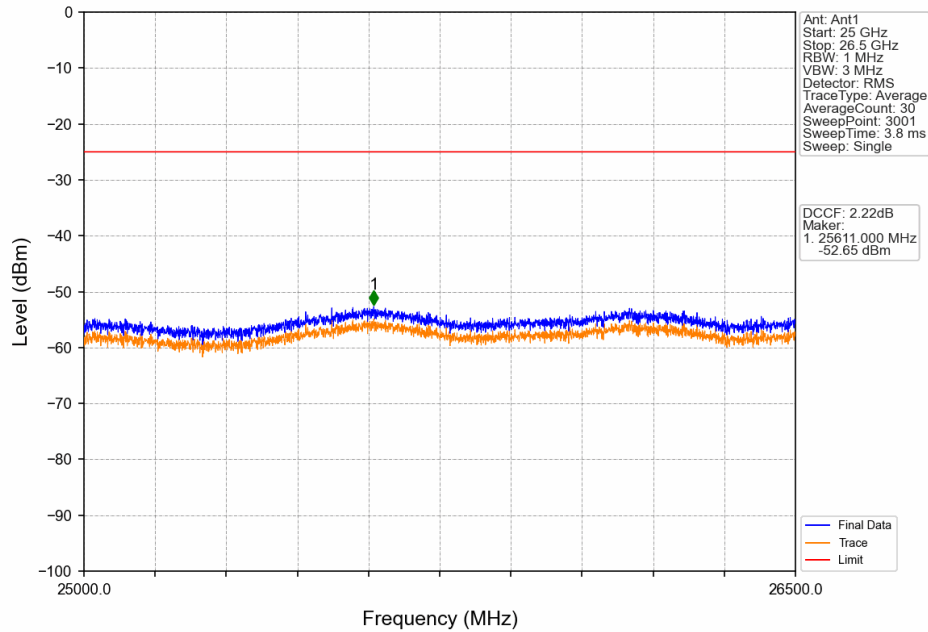
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Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



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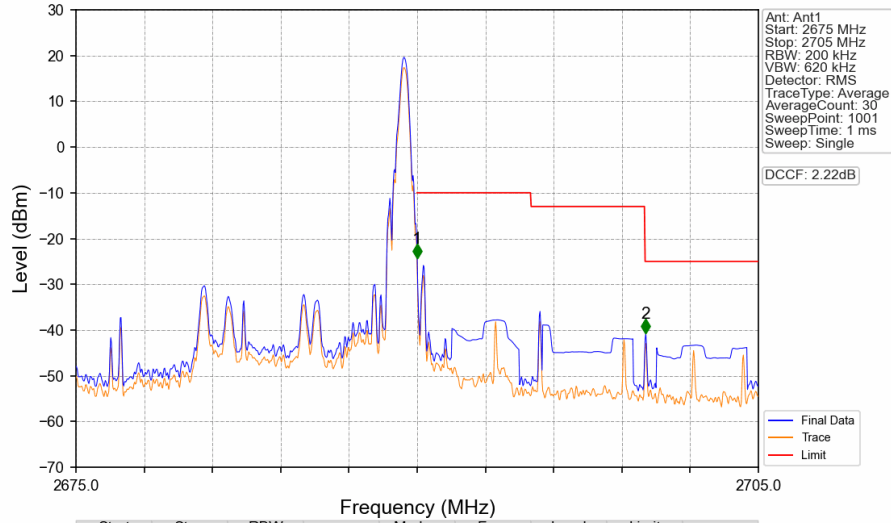
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.2	/	/	/	/	/	/
2690	2691	0.2	/	1	2690.000	-24.32	-10	Pass
2691	2705	1	CHP	2	2700.050	-40.72	-25	Pass



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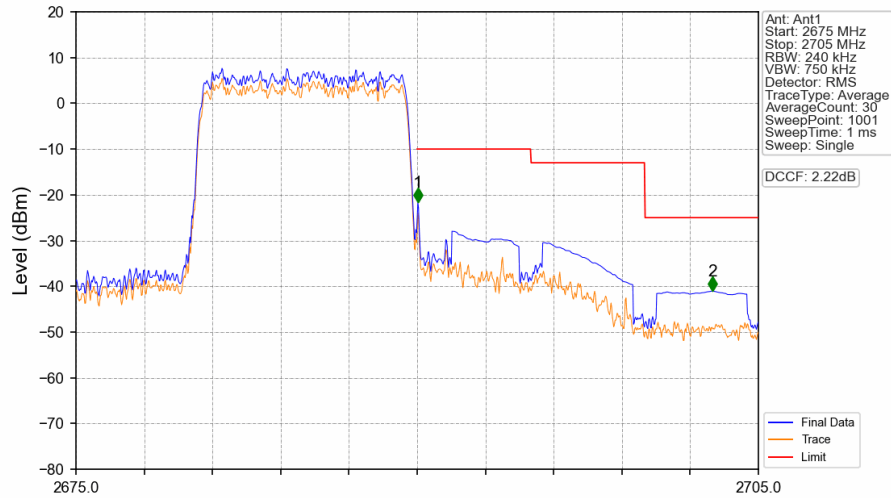
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.24	/	/	/	/	/	/
2690	2691	0.24	/	1	2690.030	-21.67	-10	Pass
2691	2705	1	CHP	2	2702.990	-41.05	-25	Pass



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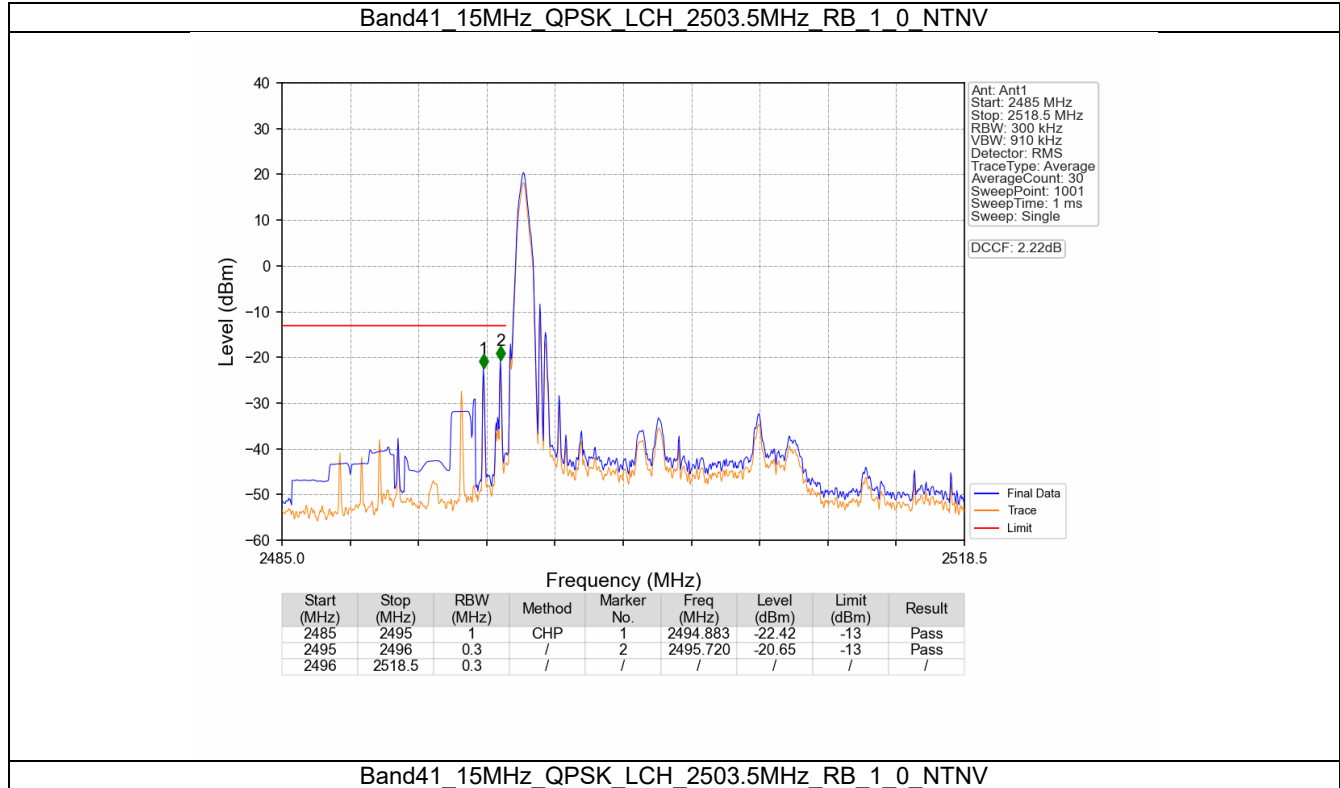
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5.3 B41_15MHz

5.3.2 Test Graph



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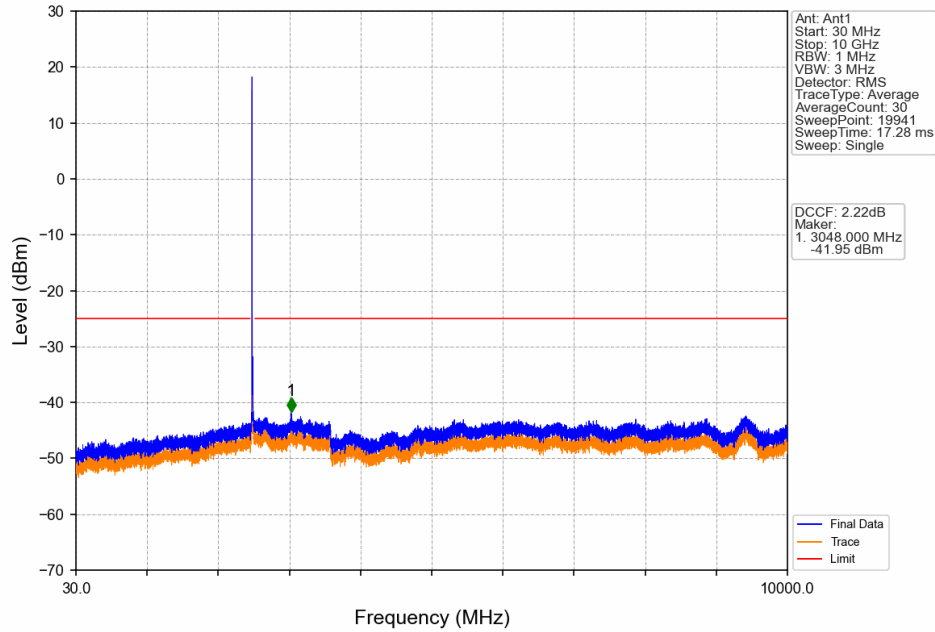
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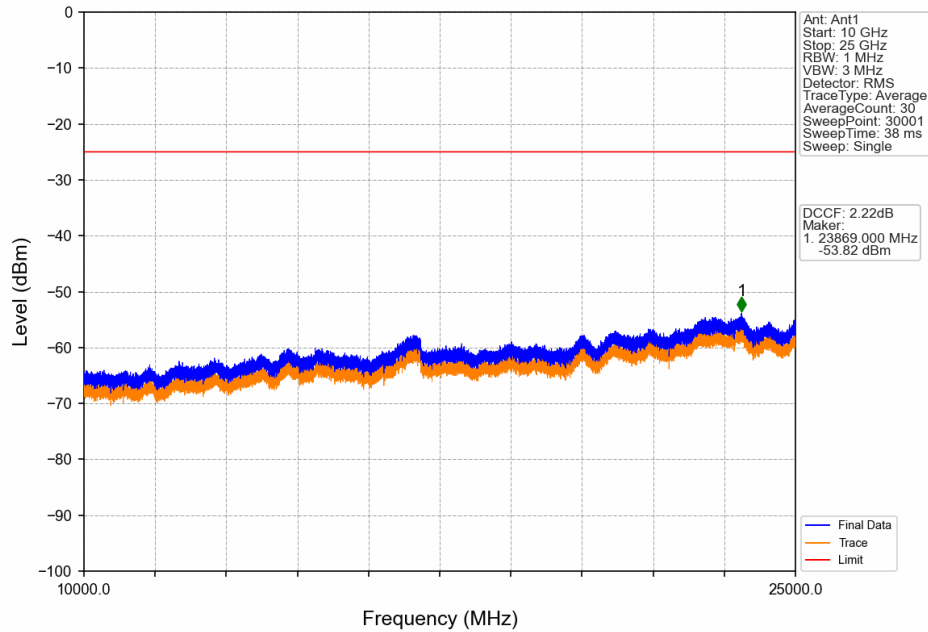
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Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



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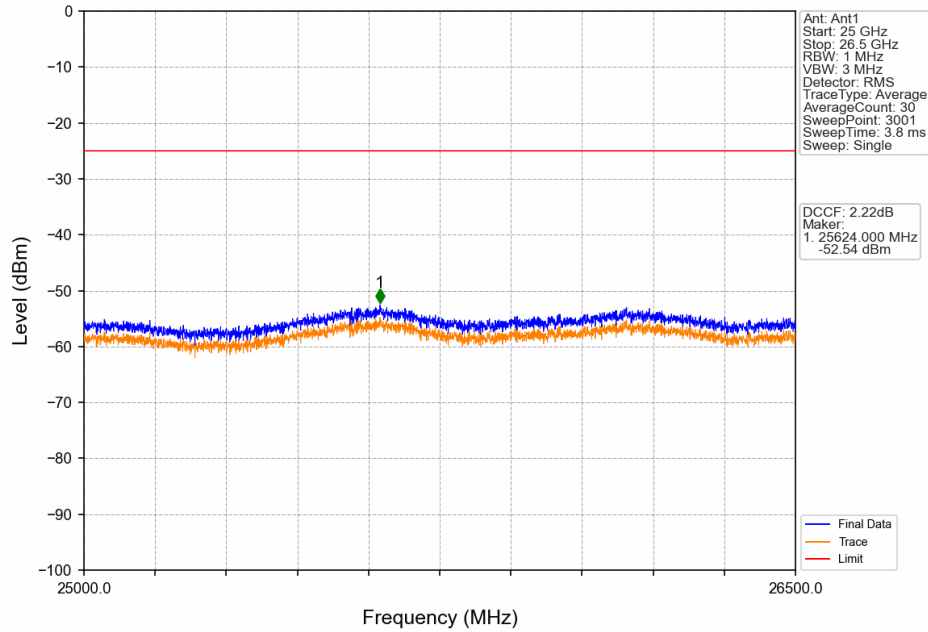
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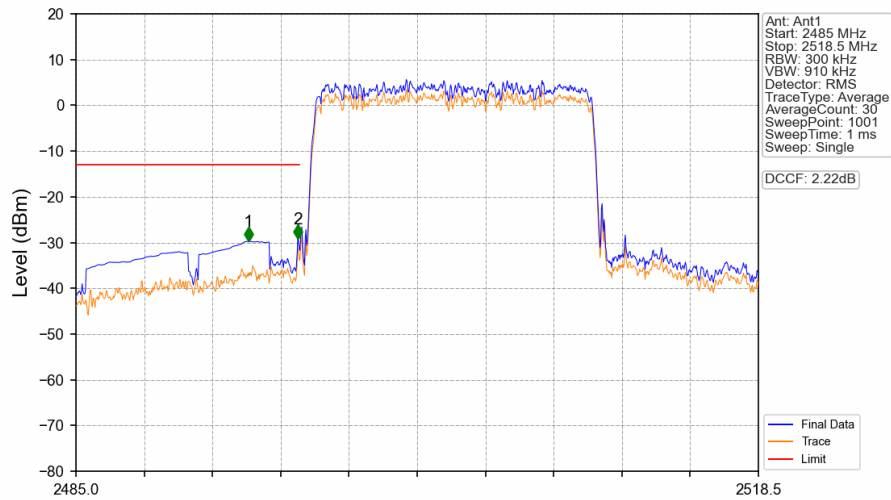
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Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2493.476	-29.76	-13	Pass
2495	2496	0.3	/	2	2495.887	-29.21	-13	Pass
2496	2518.5	0.307	/	/	/	/	/	/

Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTNV



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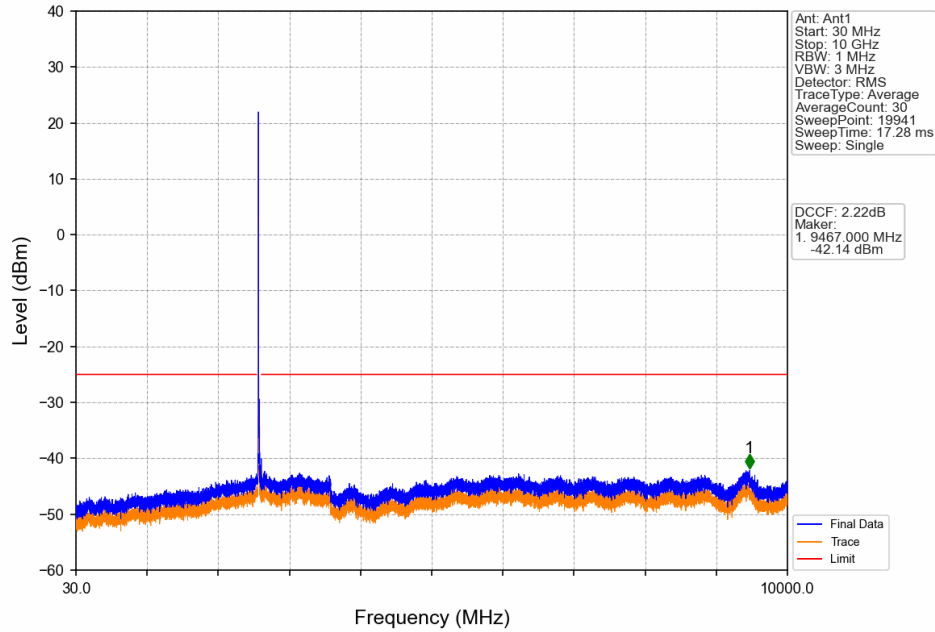
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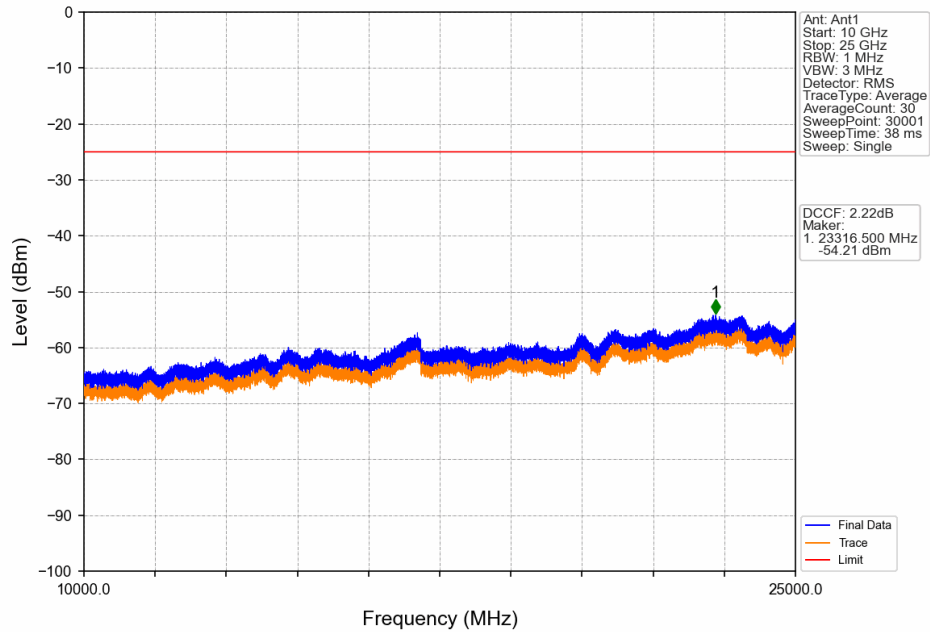
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Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



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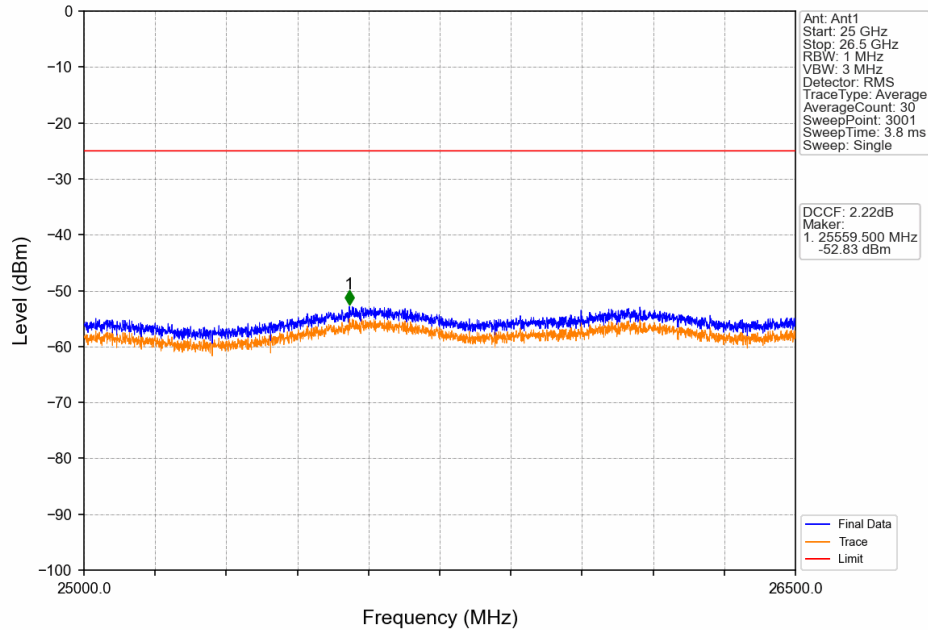
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