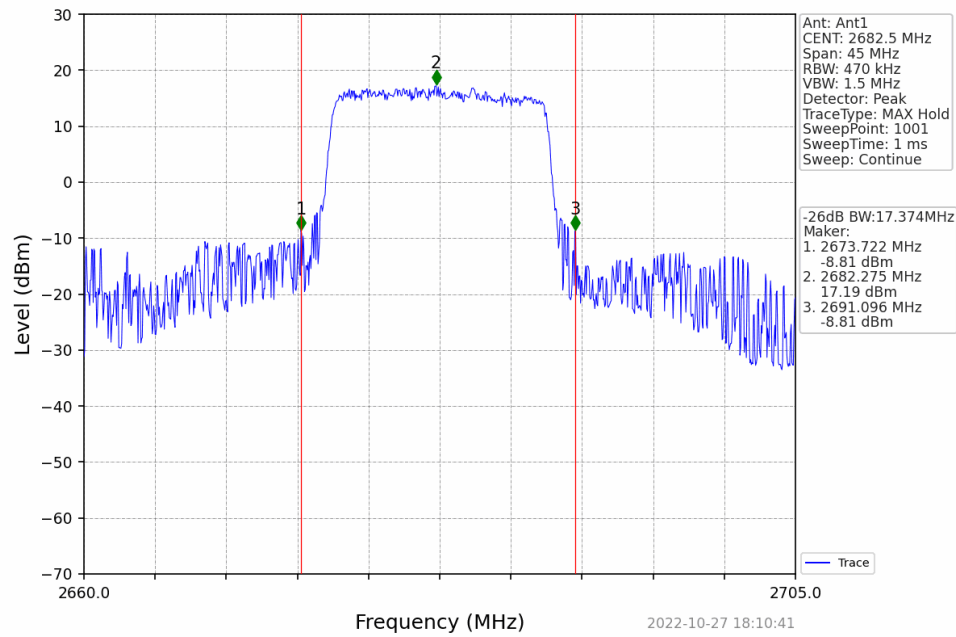
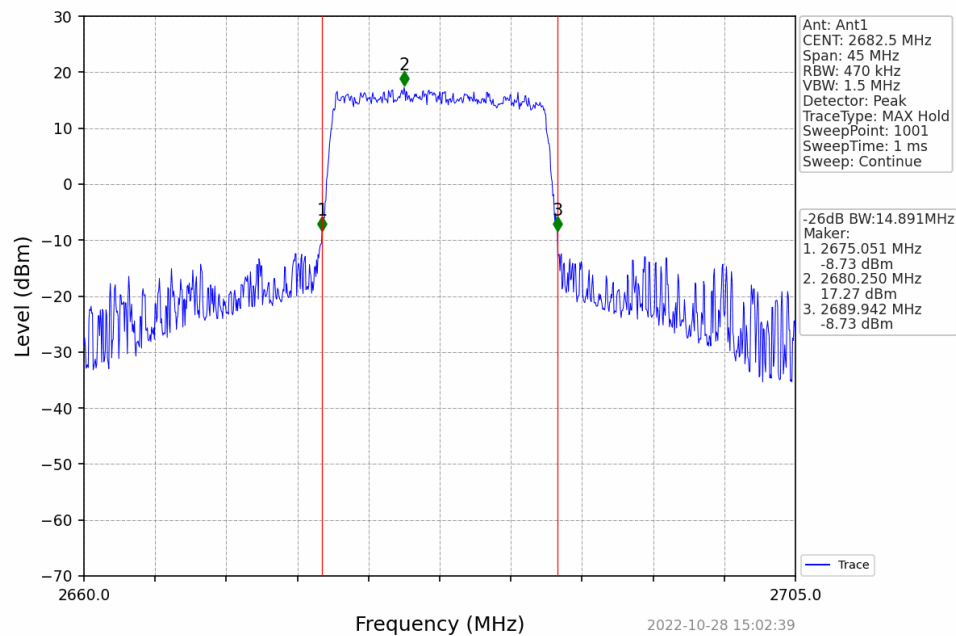




Band41_15MHz_64QAM_HCH_2682.5MHz_RB_75_0_NTNV

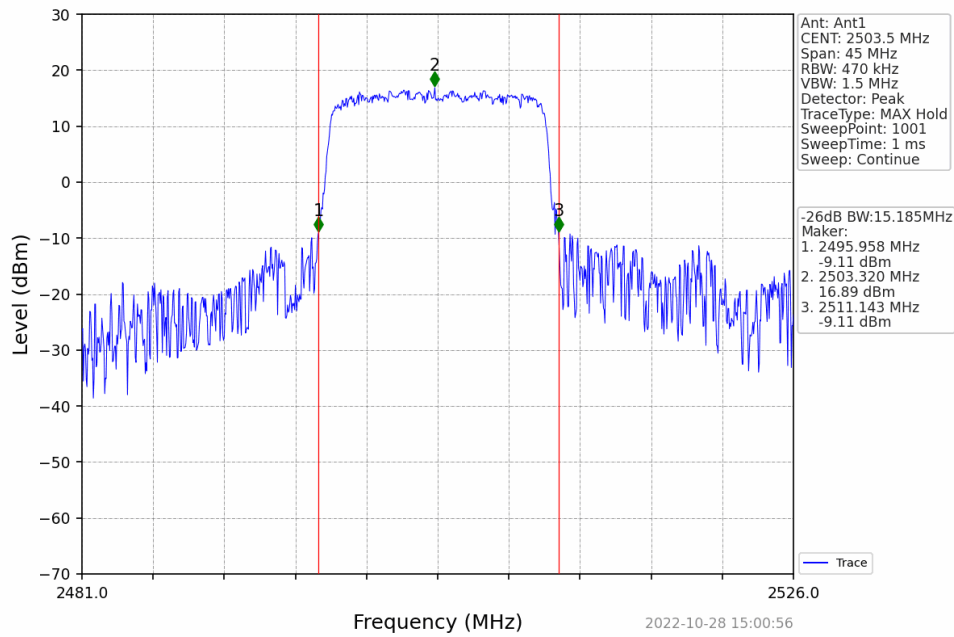


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV

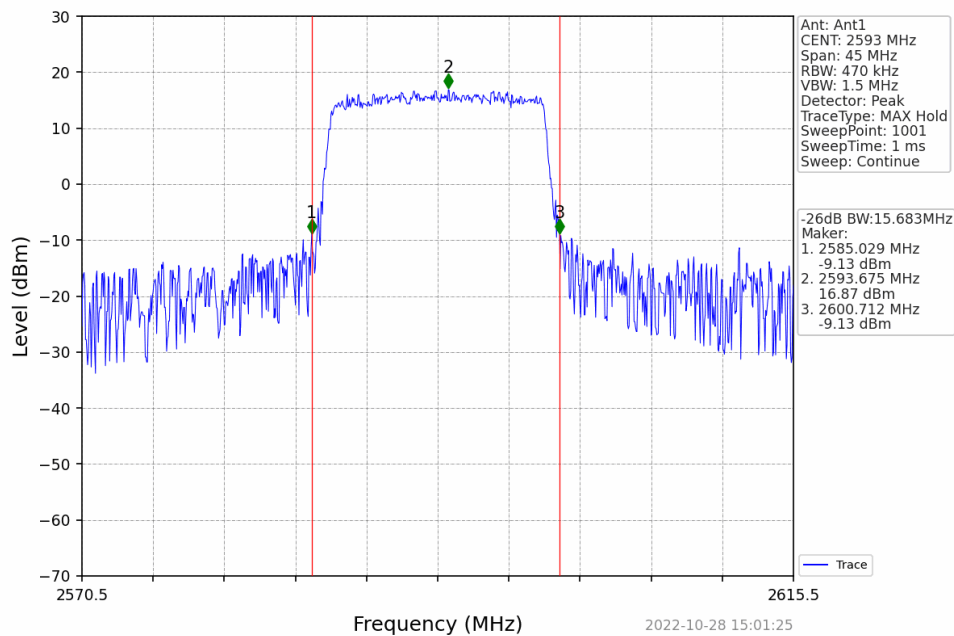




Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV

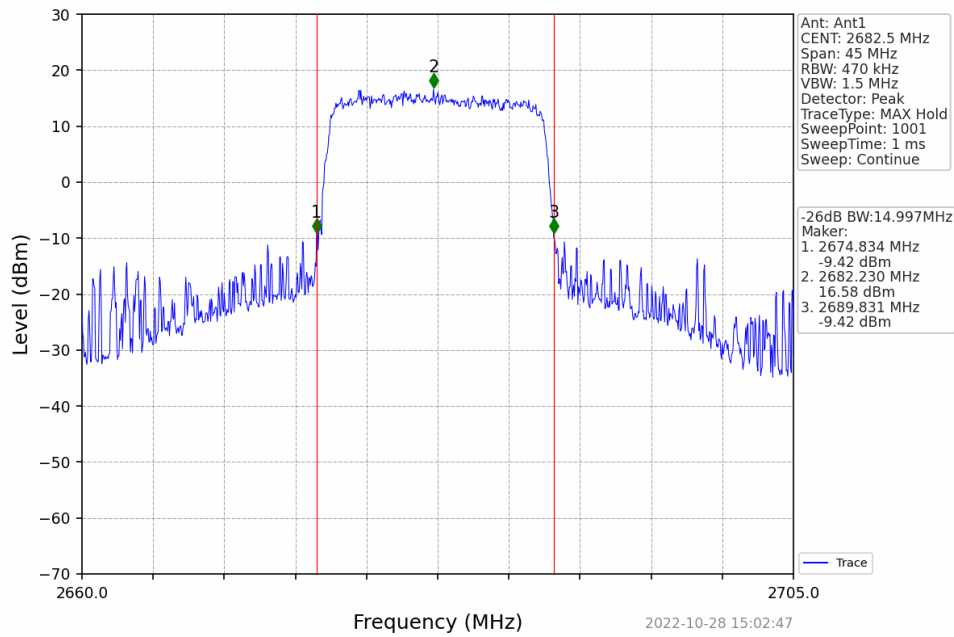


Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV

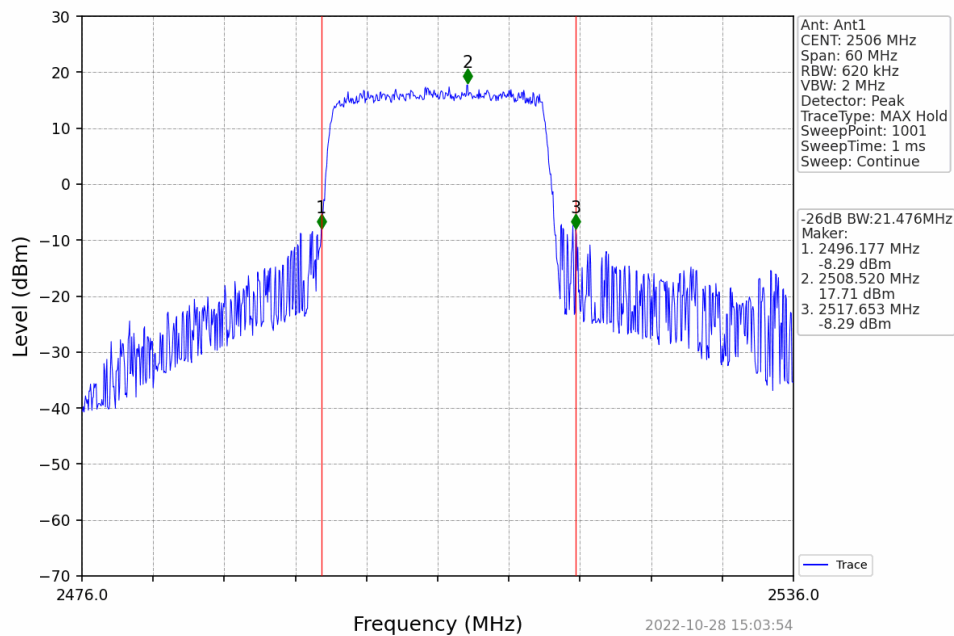




Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV

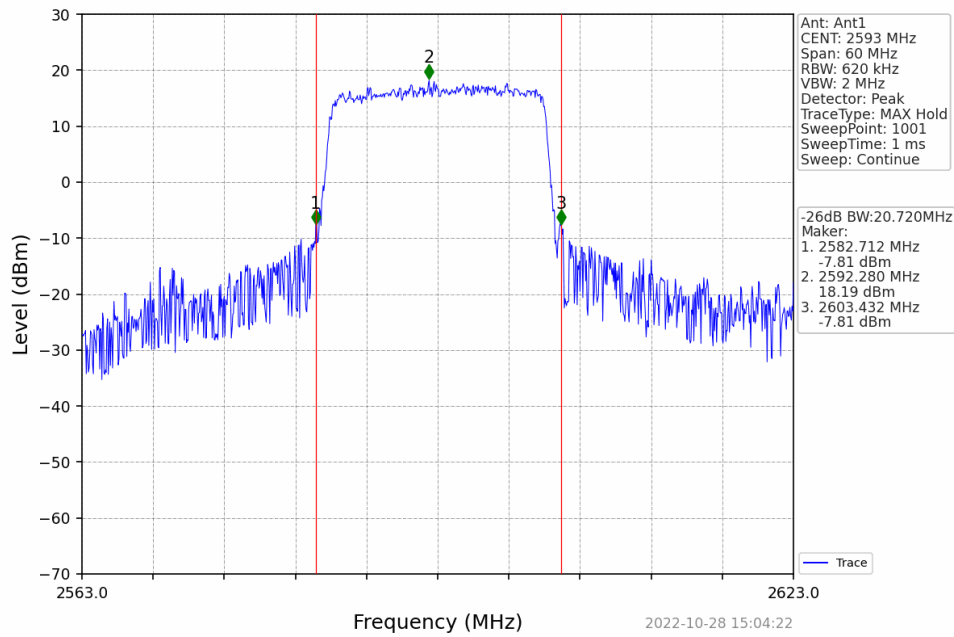


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

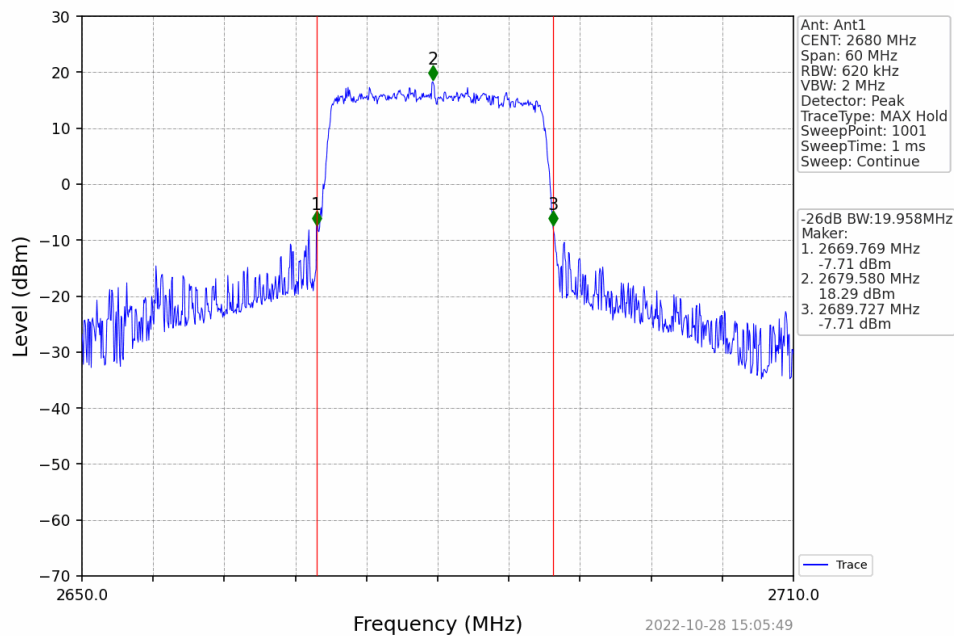




Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV

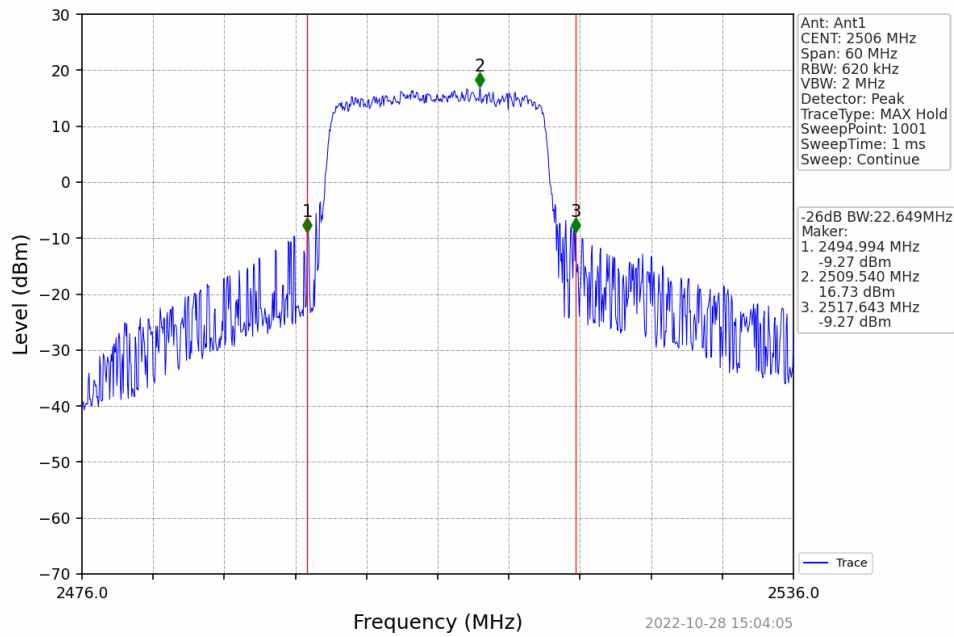


Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV

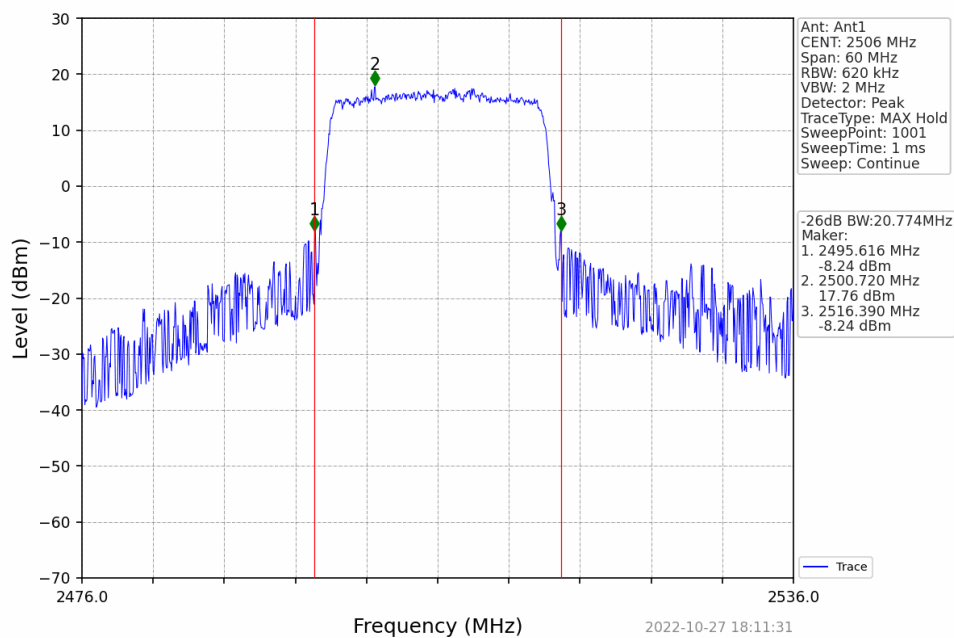




Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV

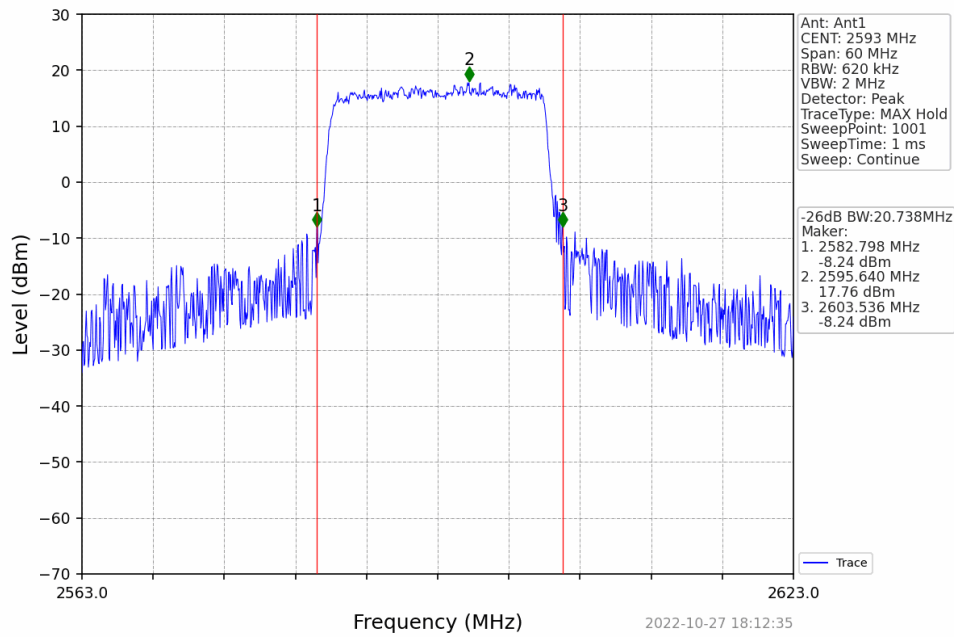


Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV

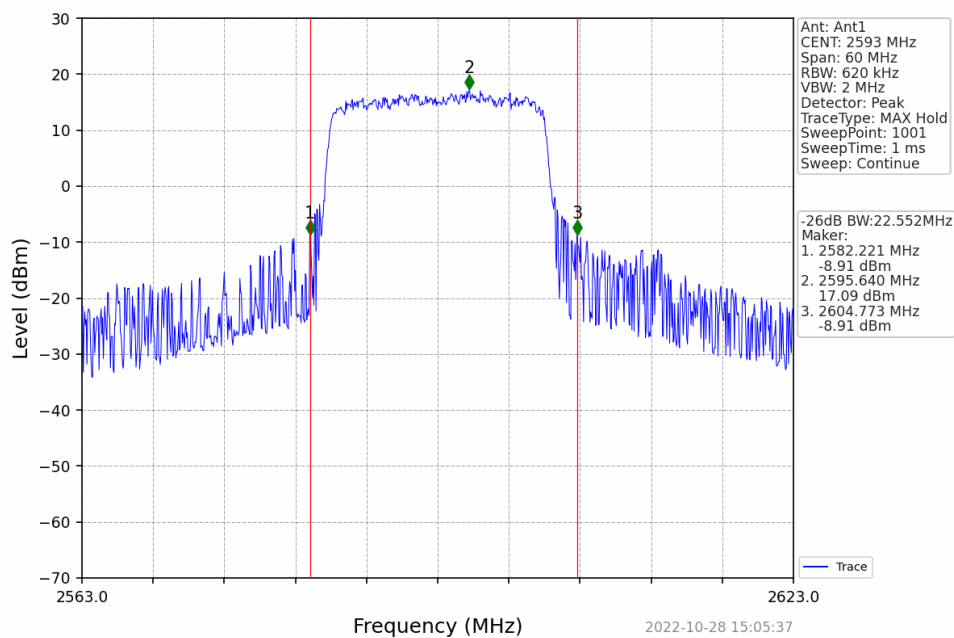




Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV

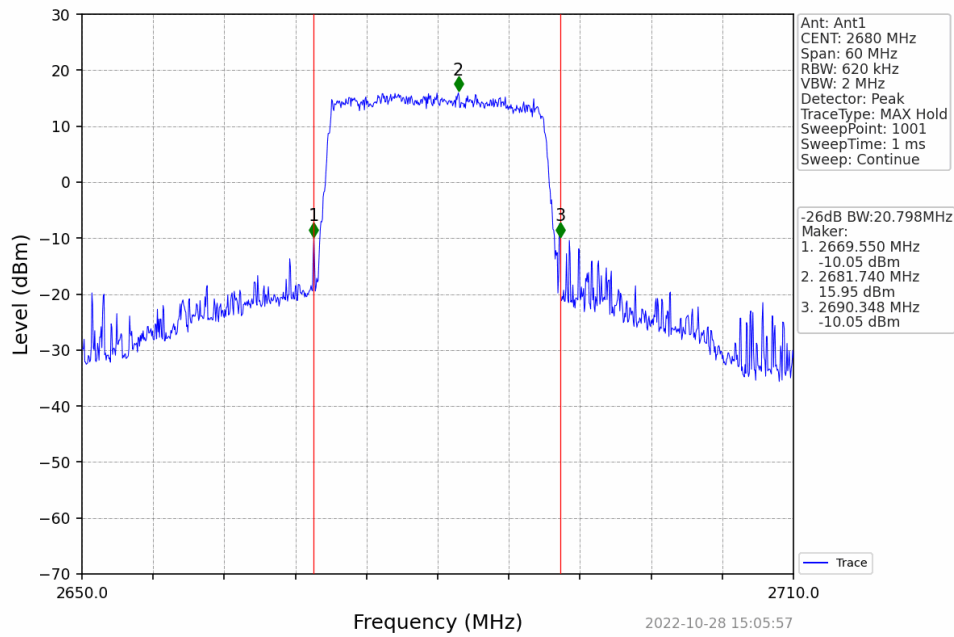


Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

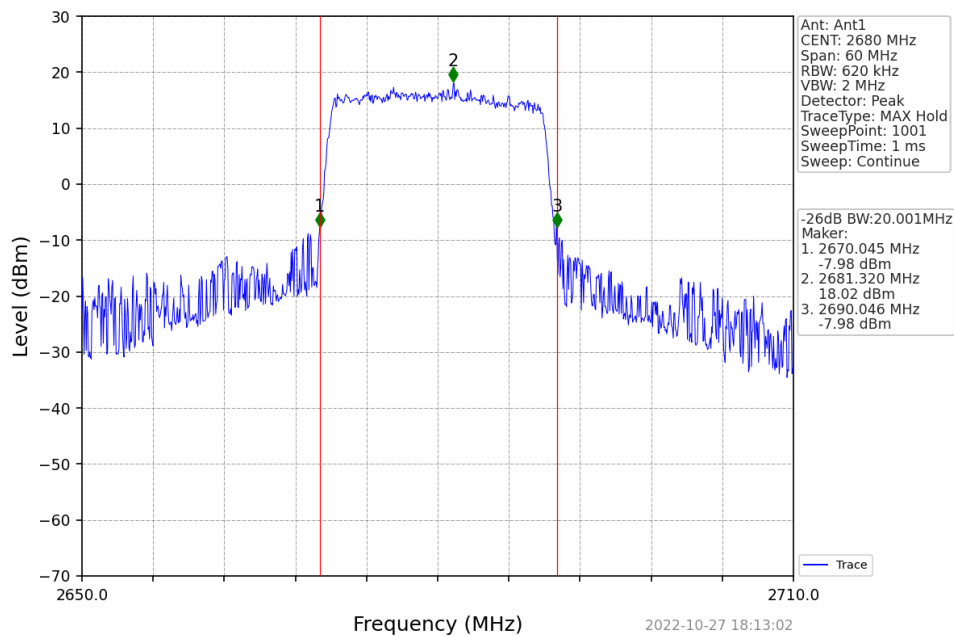




Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV





5. Peak-Average Ratio

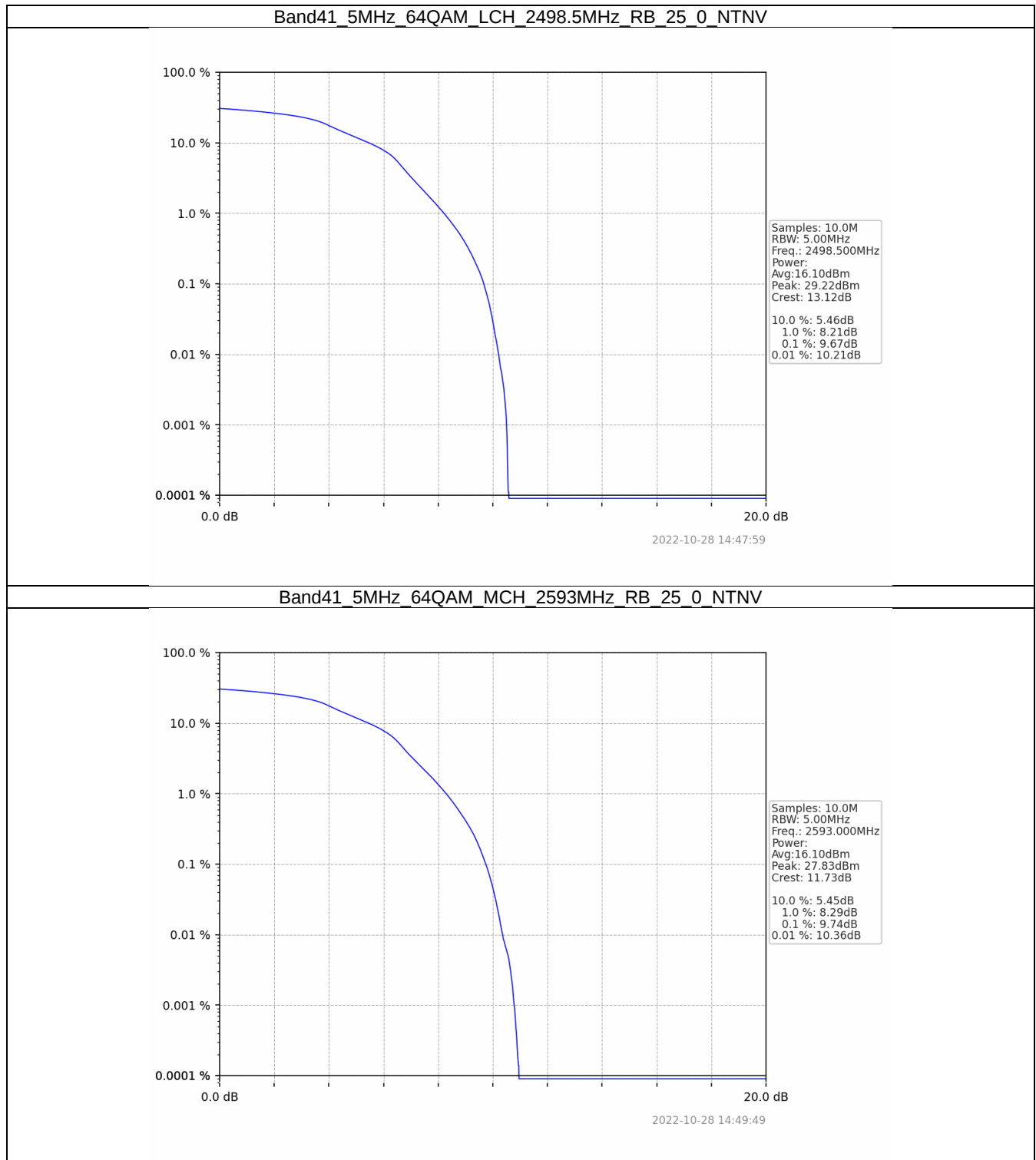
5.1 B41_5MHz

5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	2498.5	25	0	9.67	<=13	Pass
	2593	25	0	9.74	<=13	Pass
	2687.5	25	0	9.78	<=13	Pass
QPSK	2498.5	25	0	8.96	<=13	Pass
	2593	25	0	8.99	<=13	Pass
	2687.5	25	0	8.93	<=13	Pass
16QAM	2498.5	25	0	9.76	<=13	Pass
	2593	25	0	9.73	<=13	Pass
	2687.5	25	0	9.76	<=13	Pass

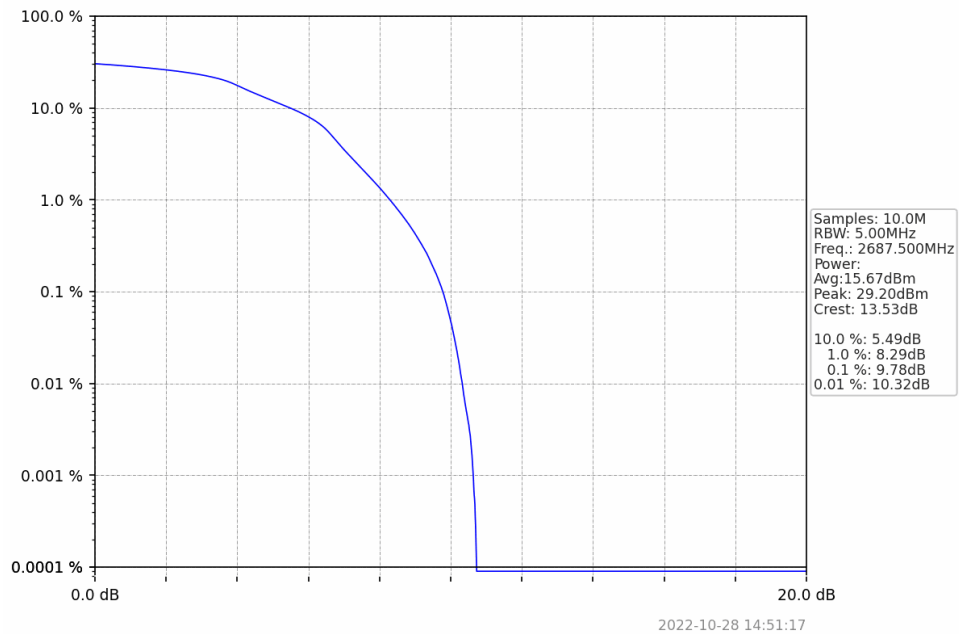


5.1.2 Test Graph

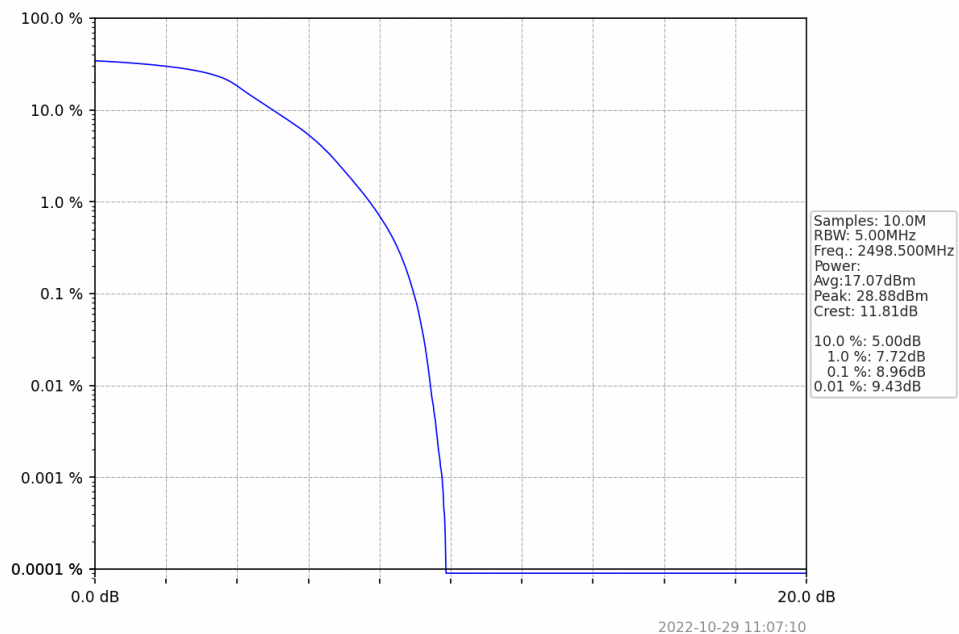




Band41_5MHz_64QAM_HCH_2687.5MHz_RB_25_0_NTNV

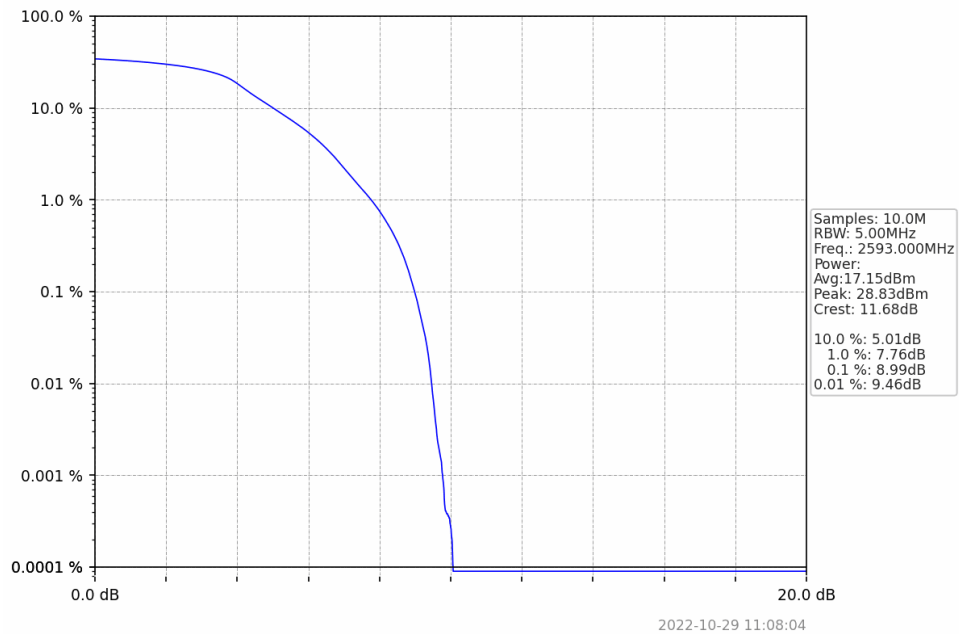


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

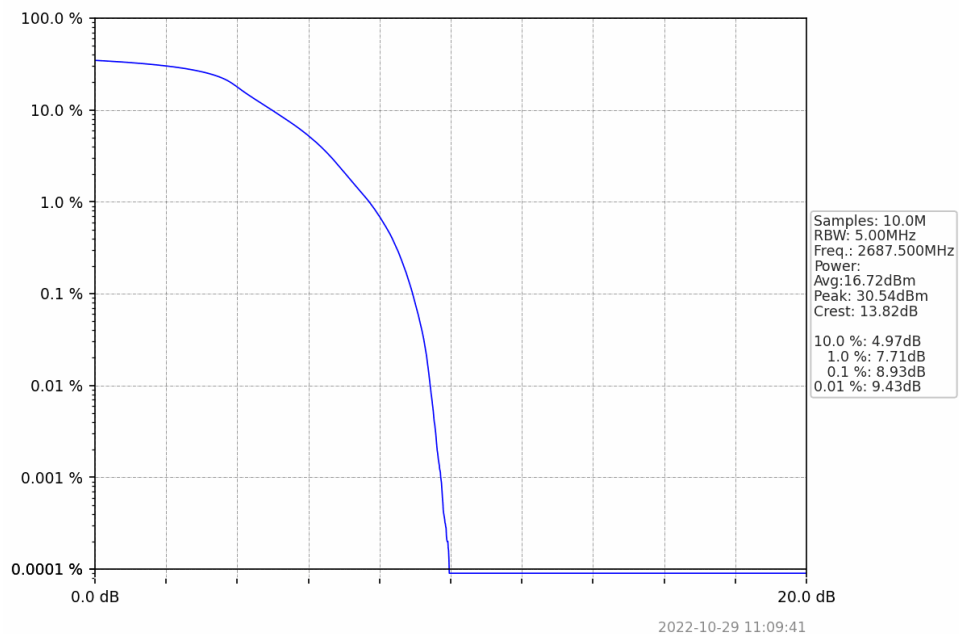




Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV

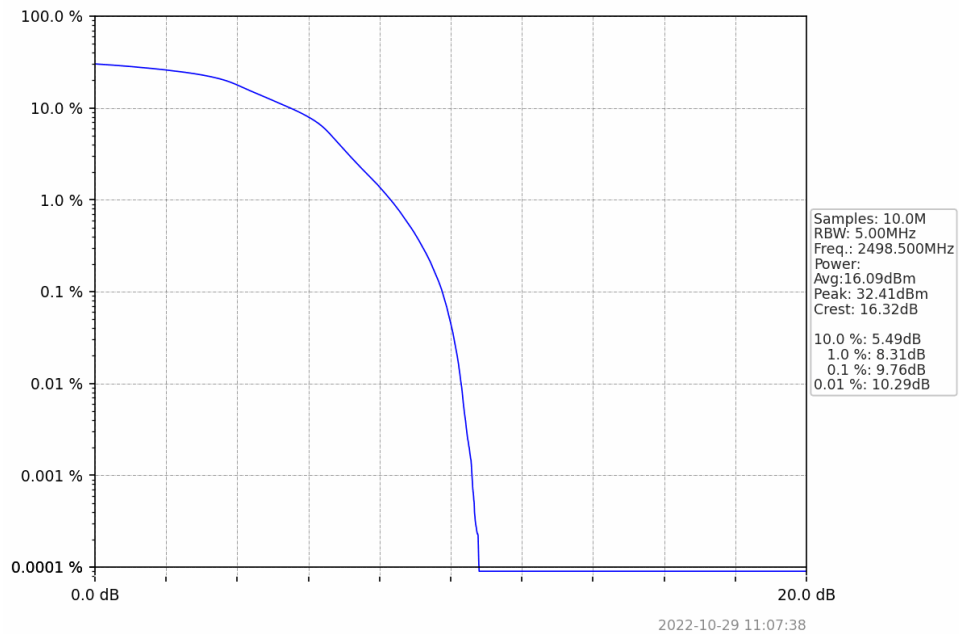


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV

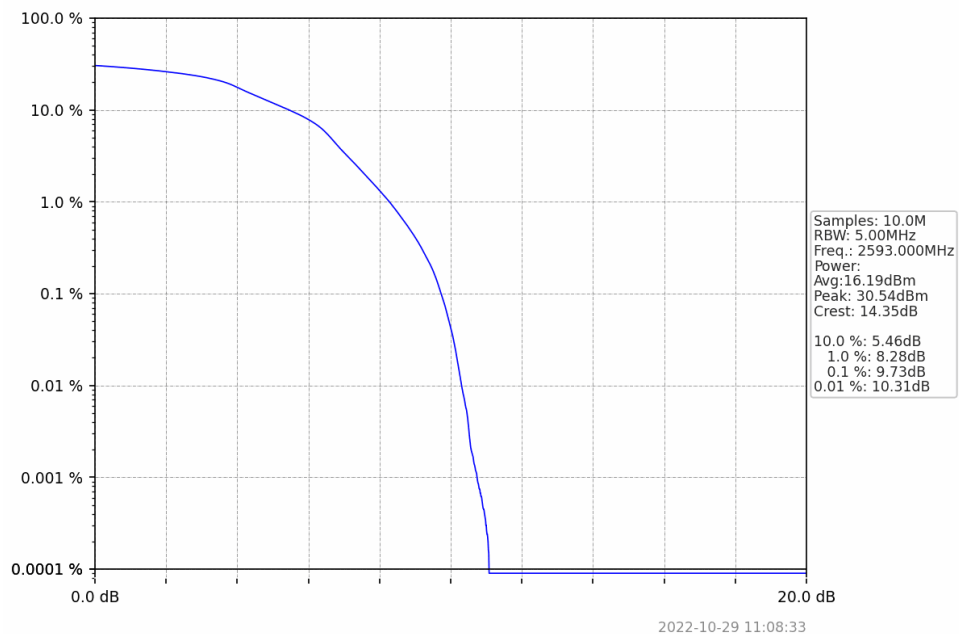


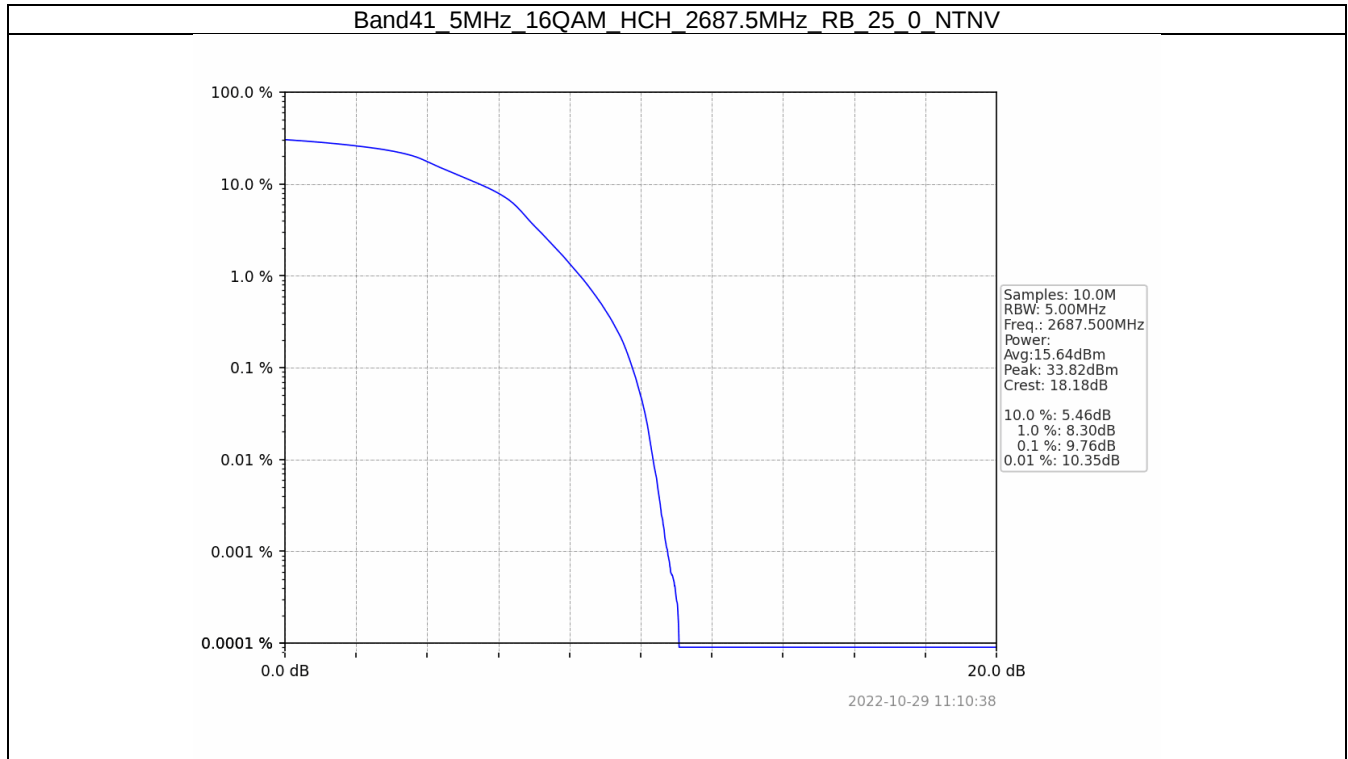


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV







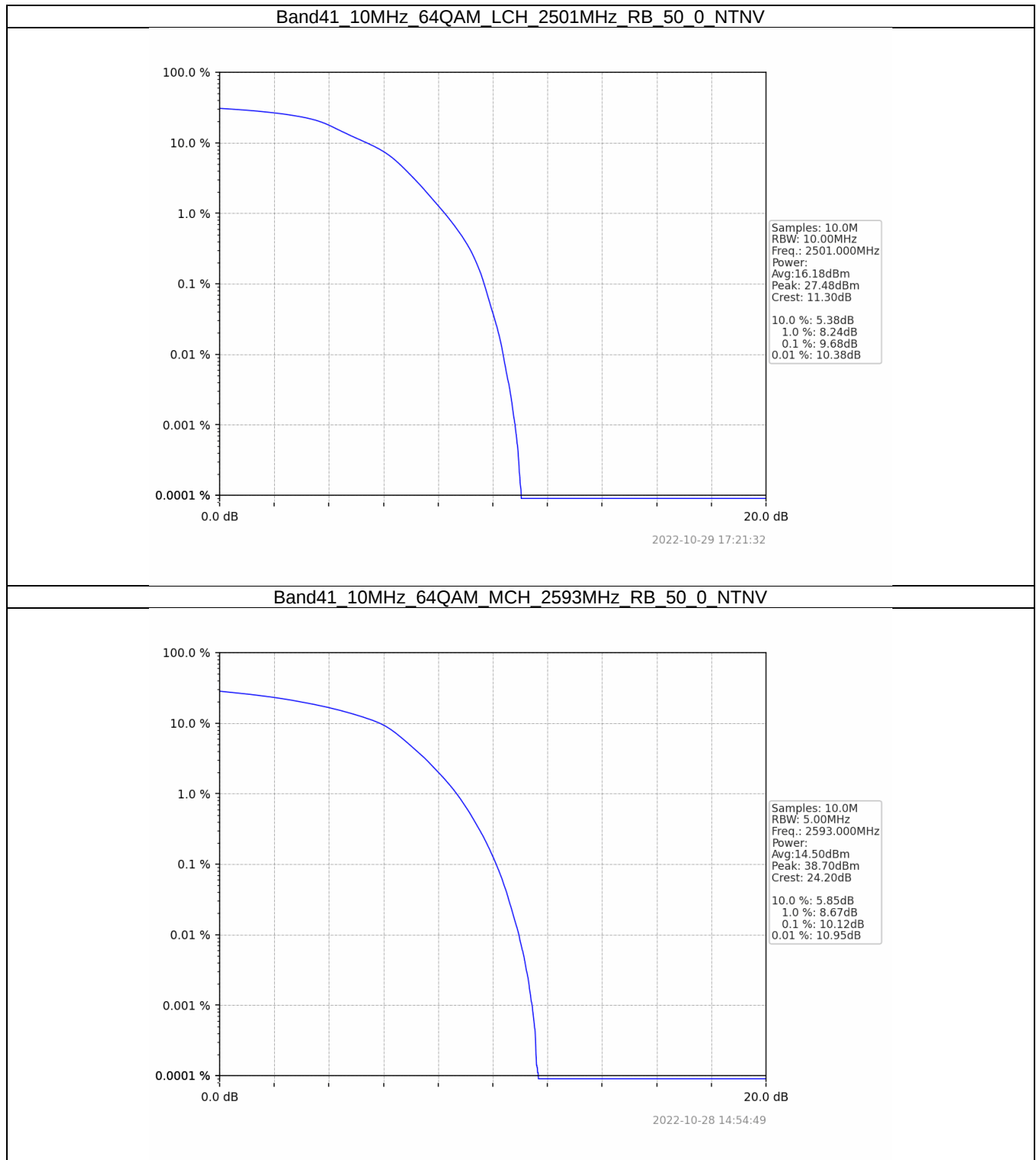
5.2 B41_10MHz

5.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	2501	50	0	9.68	<=13	Pass
	2593	50	0	10.12	<=13	Pass
	2685	50	0	9.87	<=13	Pass
QPSK	2501	50	0	8.87	<=13	Pass
	2593	50	0	9.09	<=13	Pass
	2685	50	0	8.98	<=13	Pass
16QAM	2501	50	0	9.94	<=13	Pass
	2593	50	0	9.96	<=13	Pass
	2685	50	0	9.73	<=13	Pass

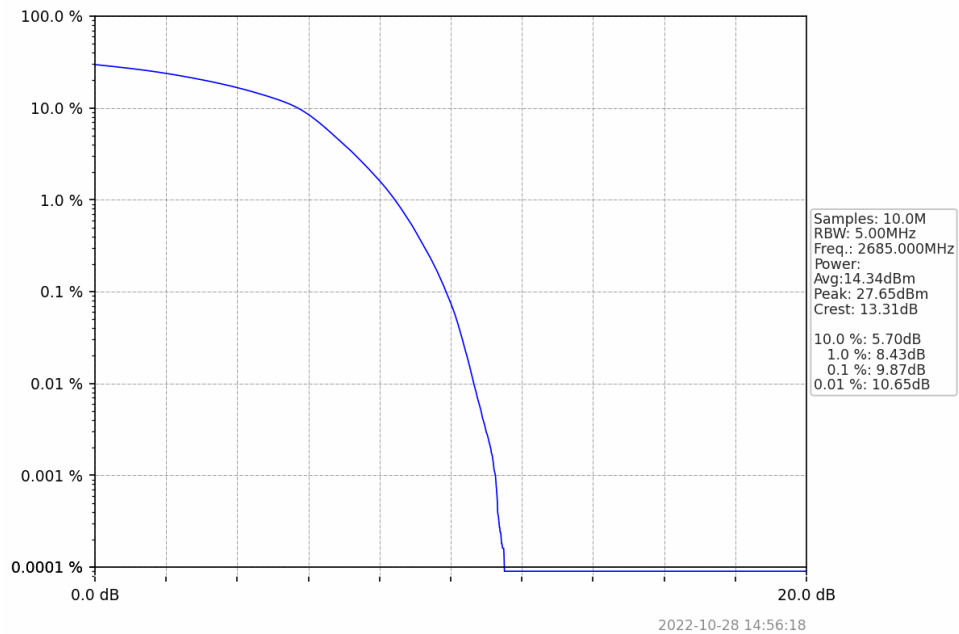


5.2.2 Test Graph

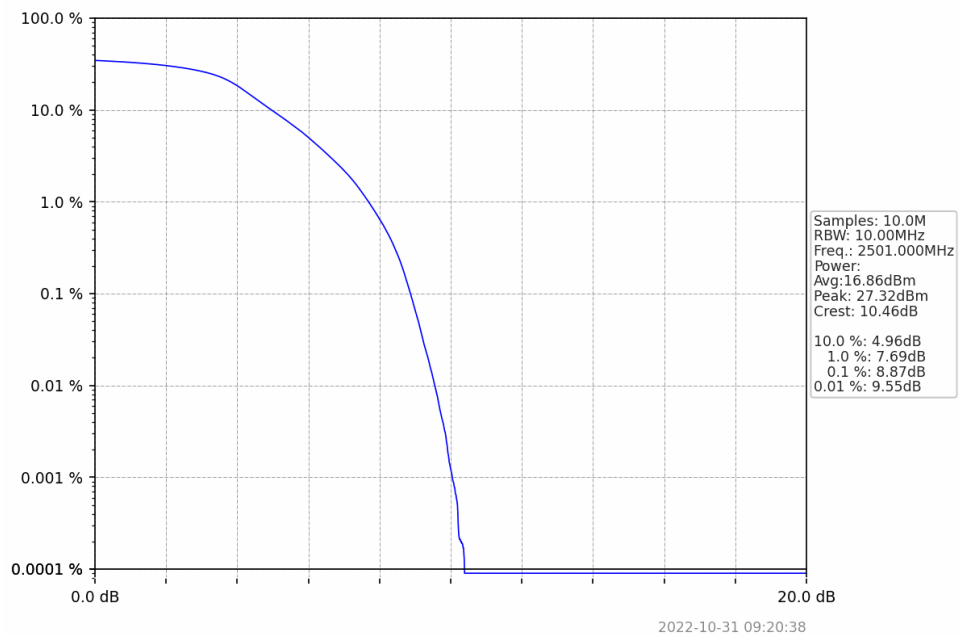




Band41_10MHz_64QAM_HCH_2685MHz_RB_50_0_NTNV

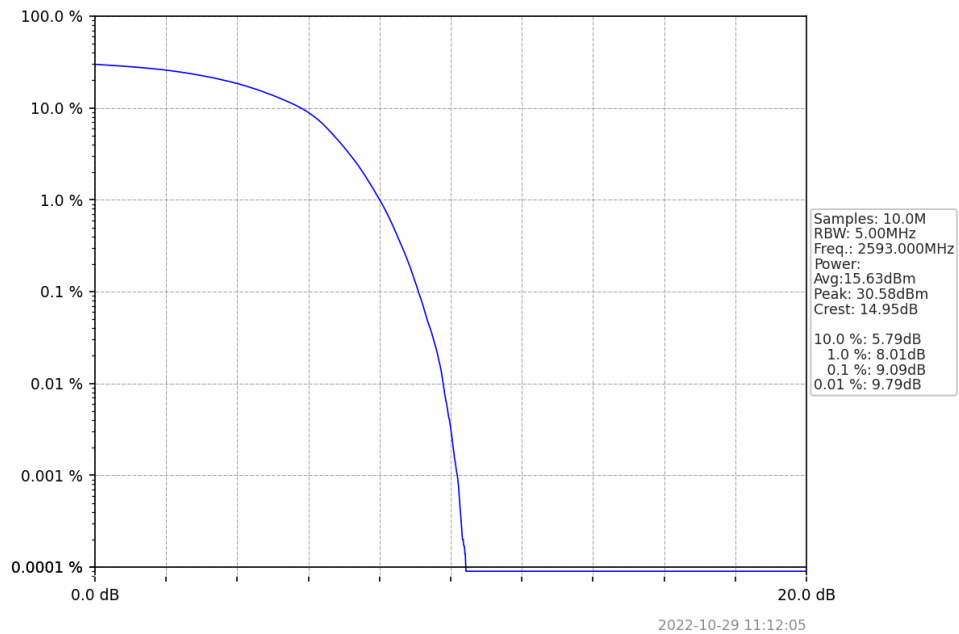


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

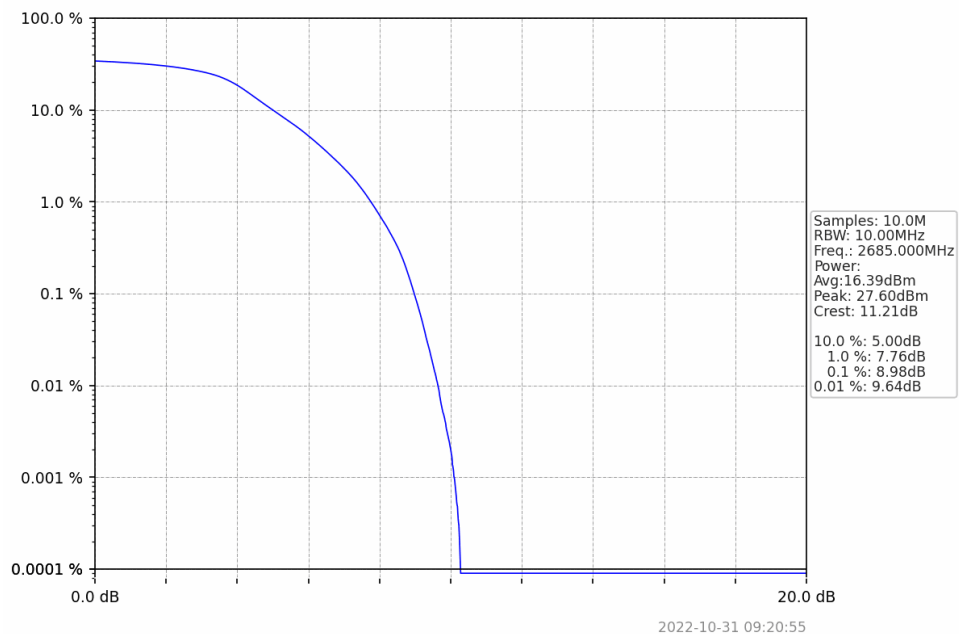




Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV

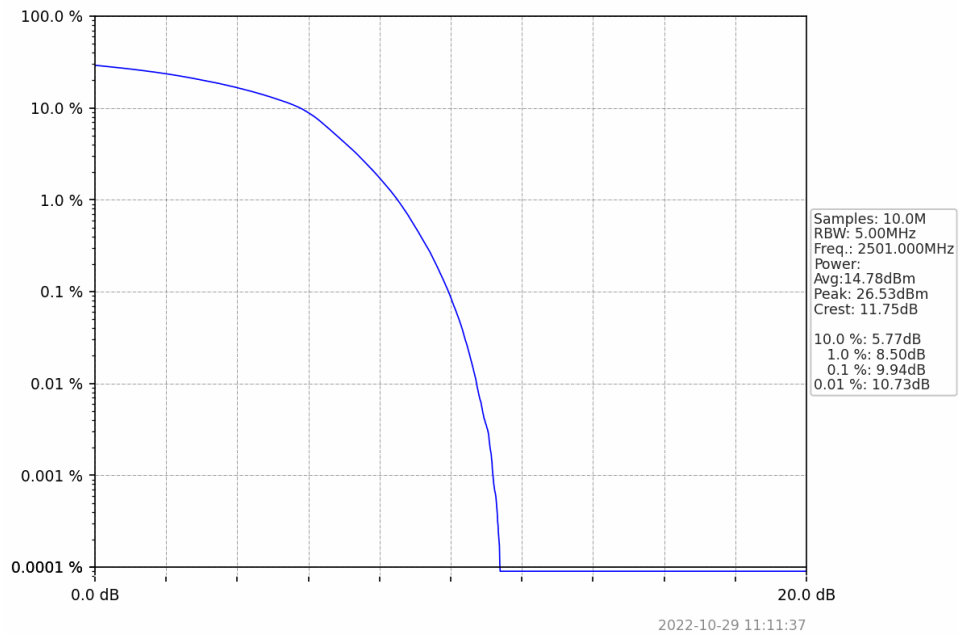


Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV

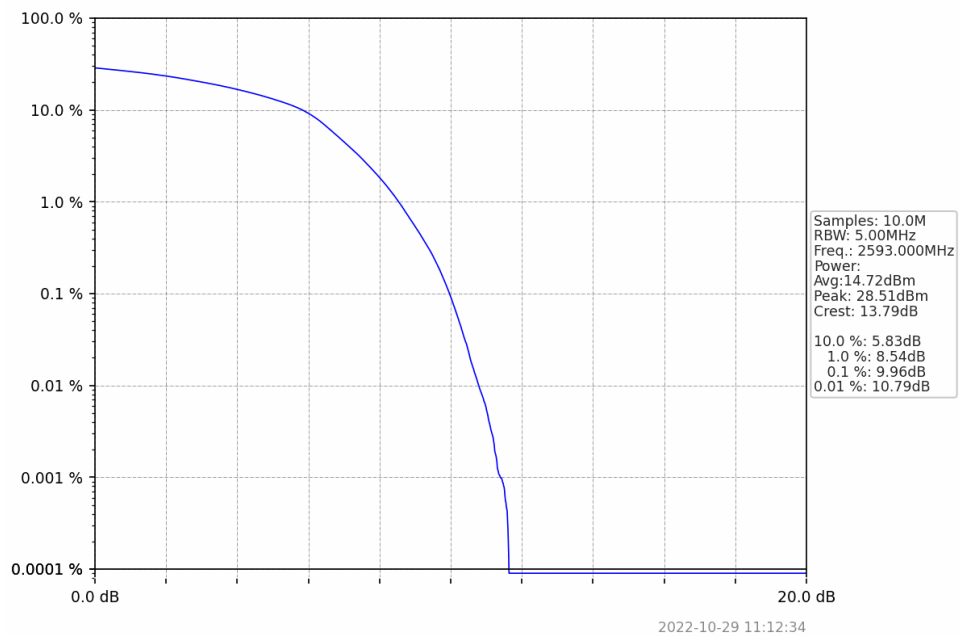


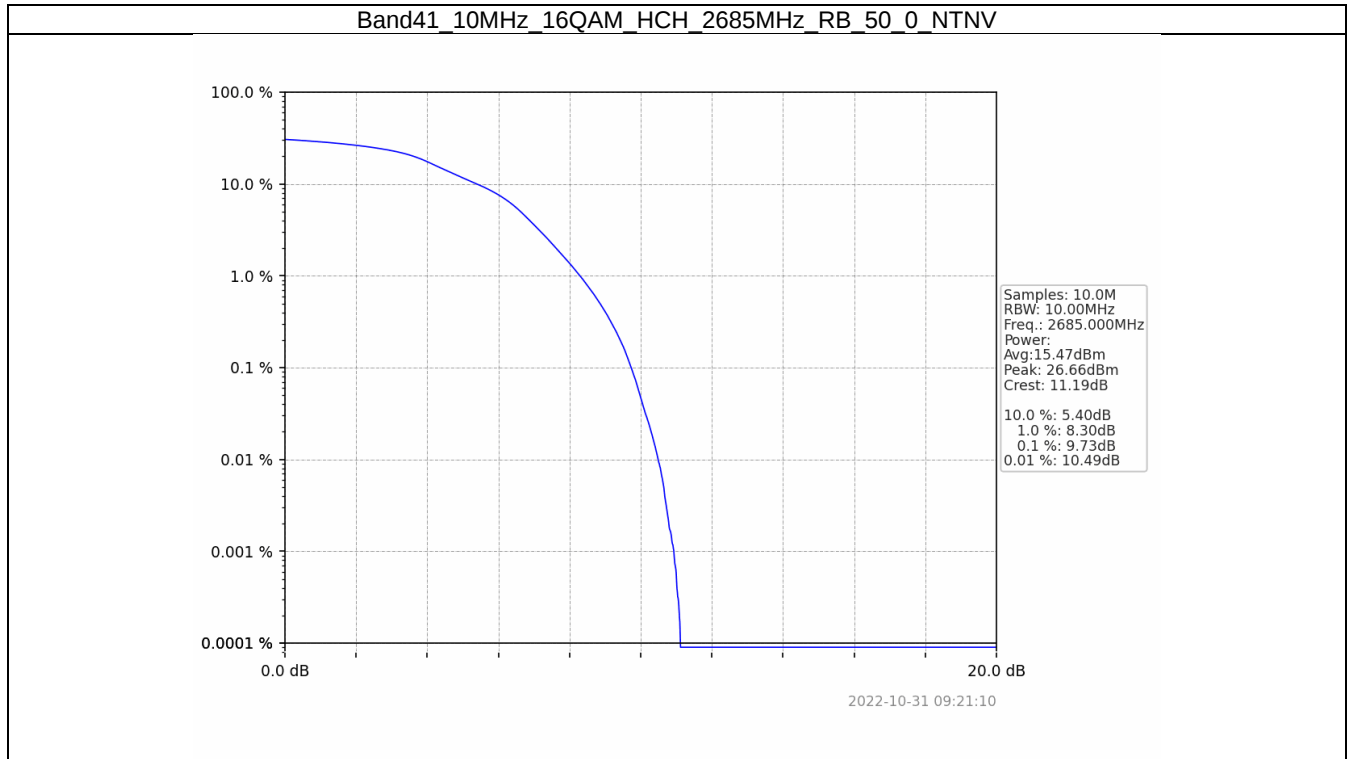


Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV







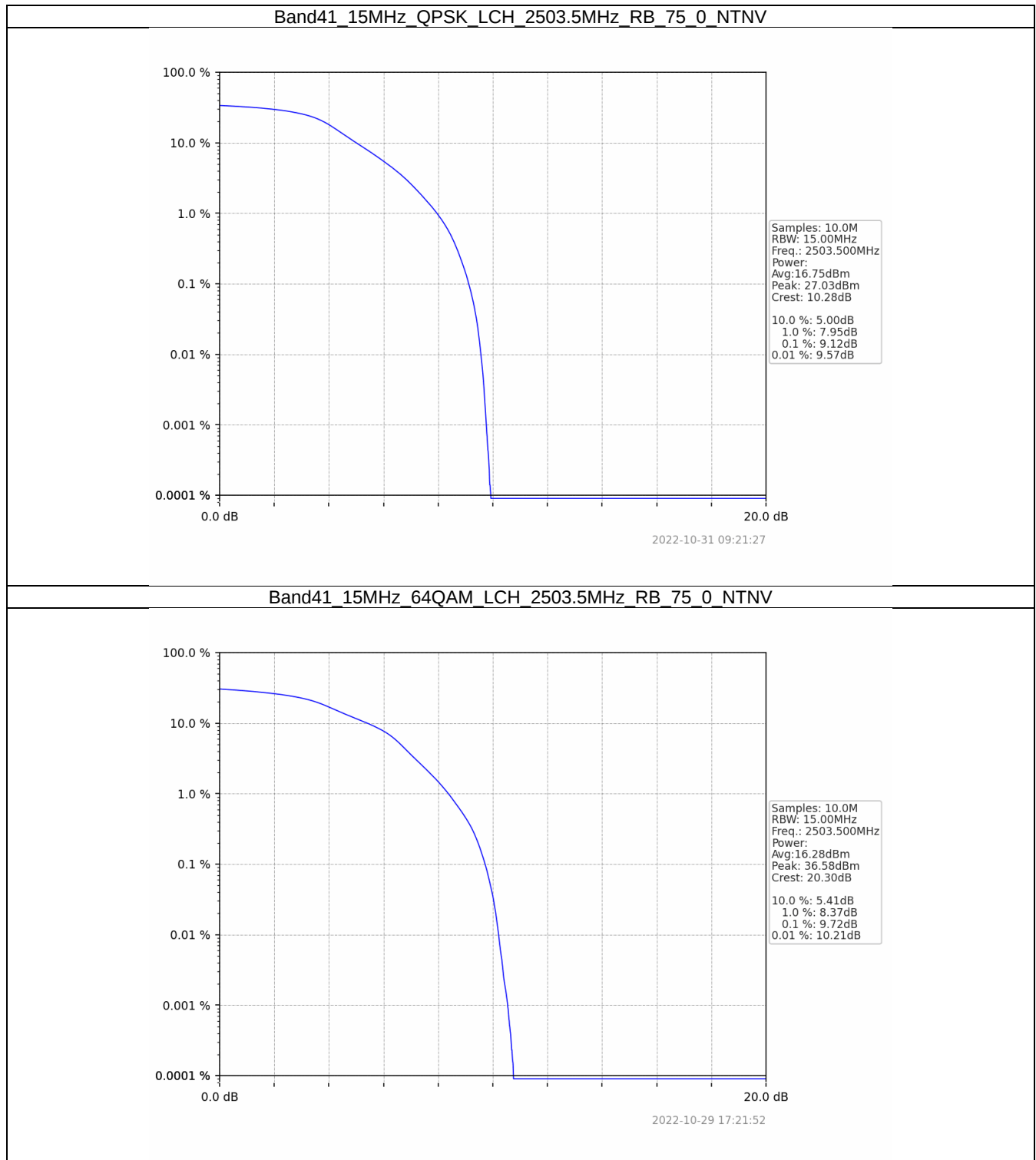
5.3 B41_15MHz

5.3.1 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	9.12	<=13	Pass
64QAM	2503.5	75	0	9.72	<=13	Pass
	2593	75	0	10.62	<=13	Pass
QPSK	2593	75	0	9.07	<=13	Pass
64QAM	2682.5	75	0	10.59	<=13	Pass
QPSK	2682.5	75	0	9.98	<=13	Pass
16QAM	2503.5	75	0	9.65	<=13	Pass
	2593	75	0	10.17	<=13	Pass
	2682.5	75	0	9.77	<=13	Pass

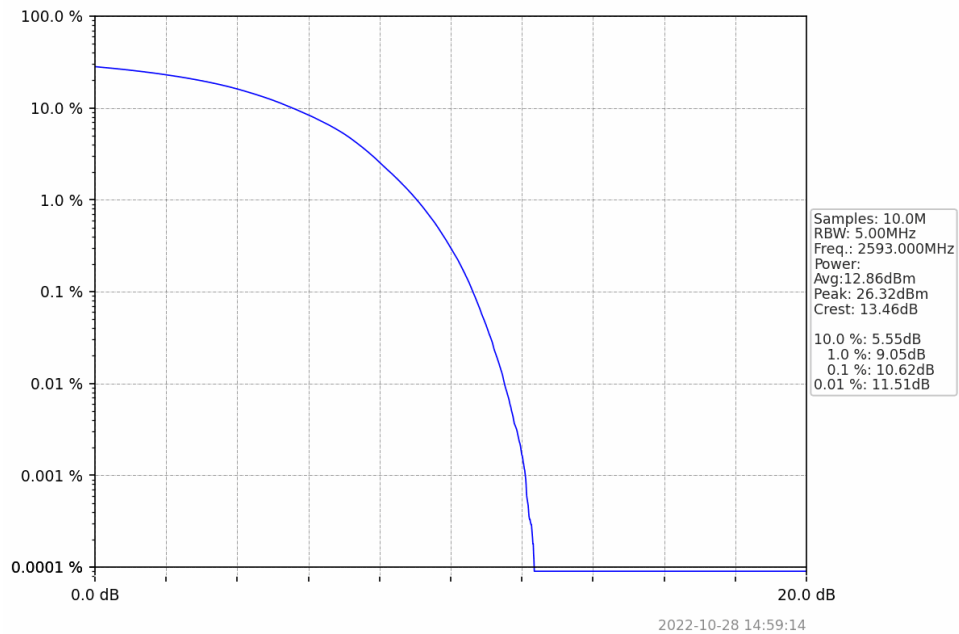


5.3.2 Test Graph

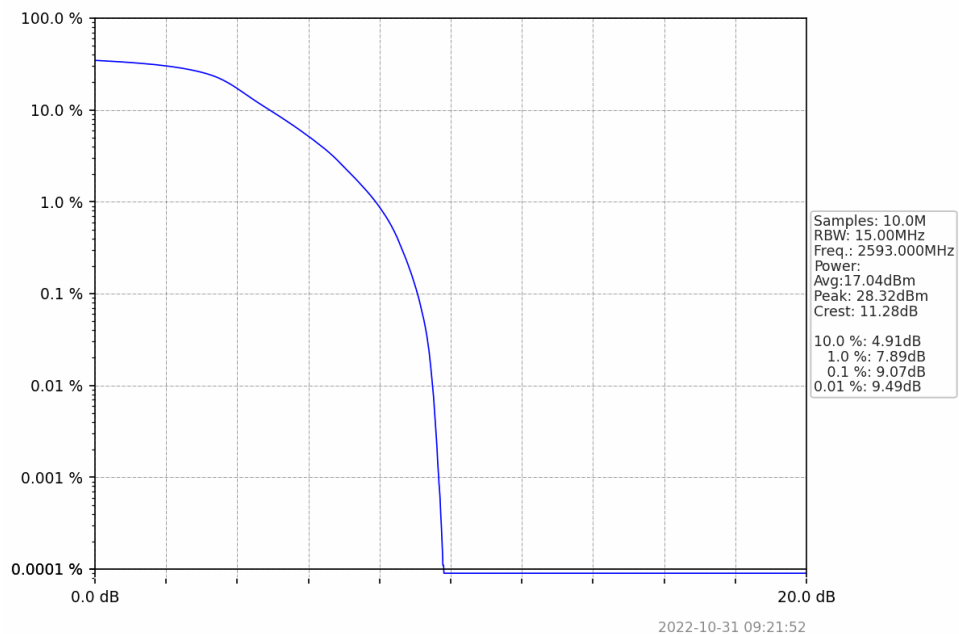




Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV

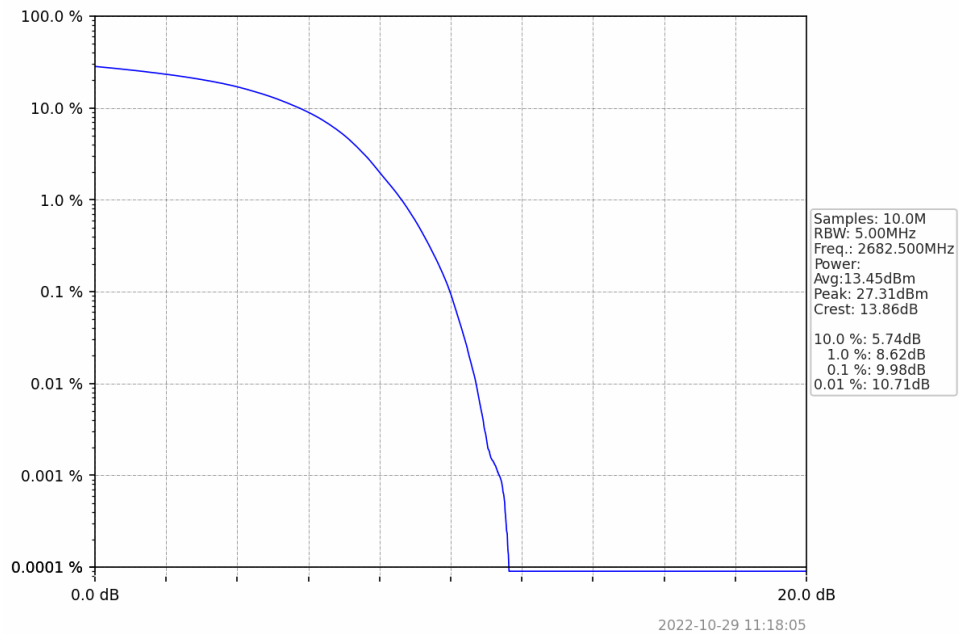


Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV

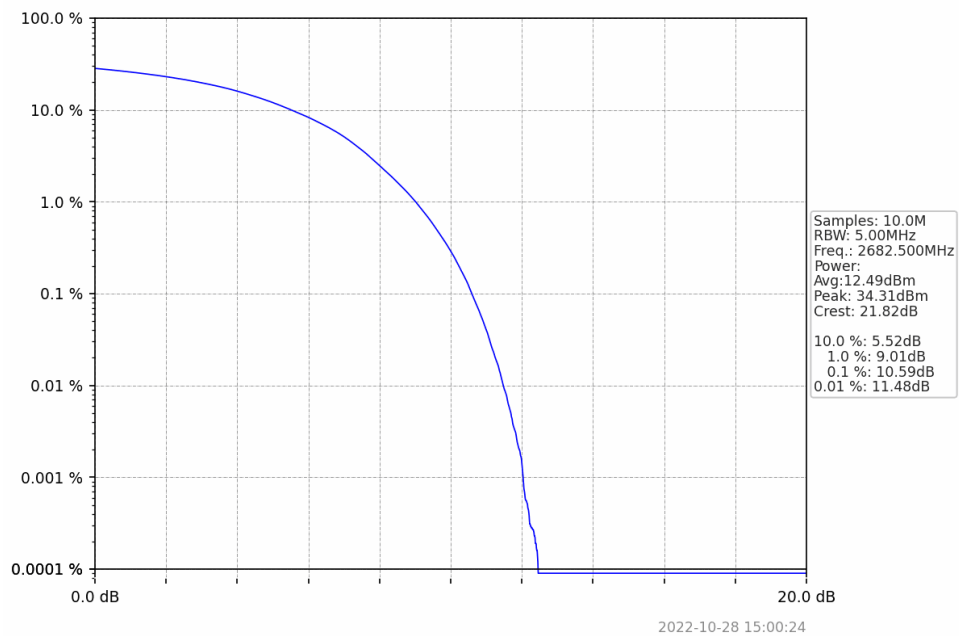




Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV

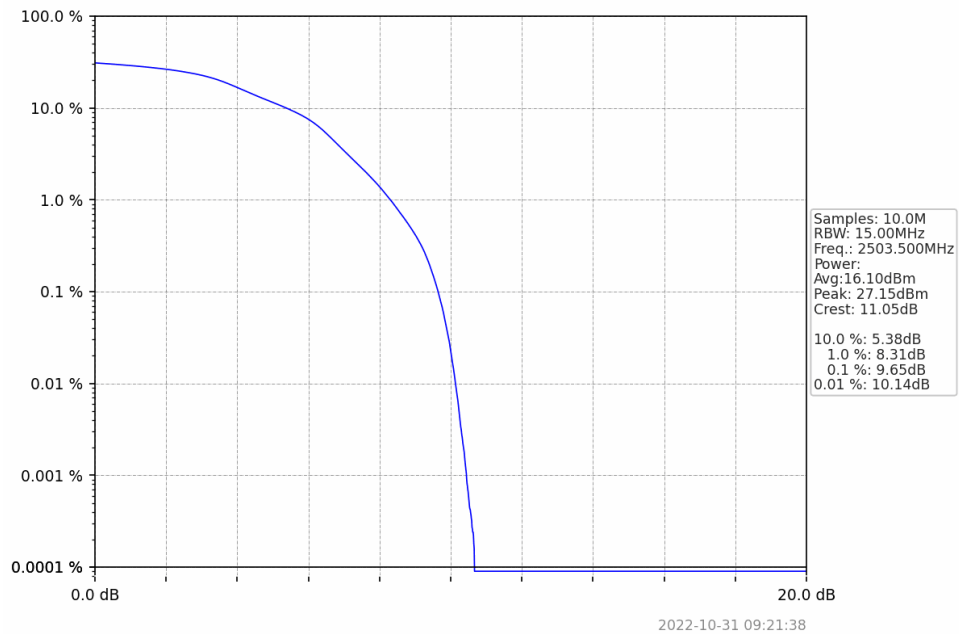


Band41_15MHz_64QAM_HCH_2682.5MHz_RB_75_0_NTNV

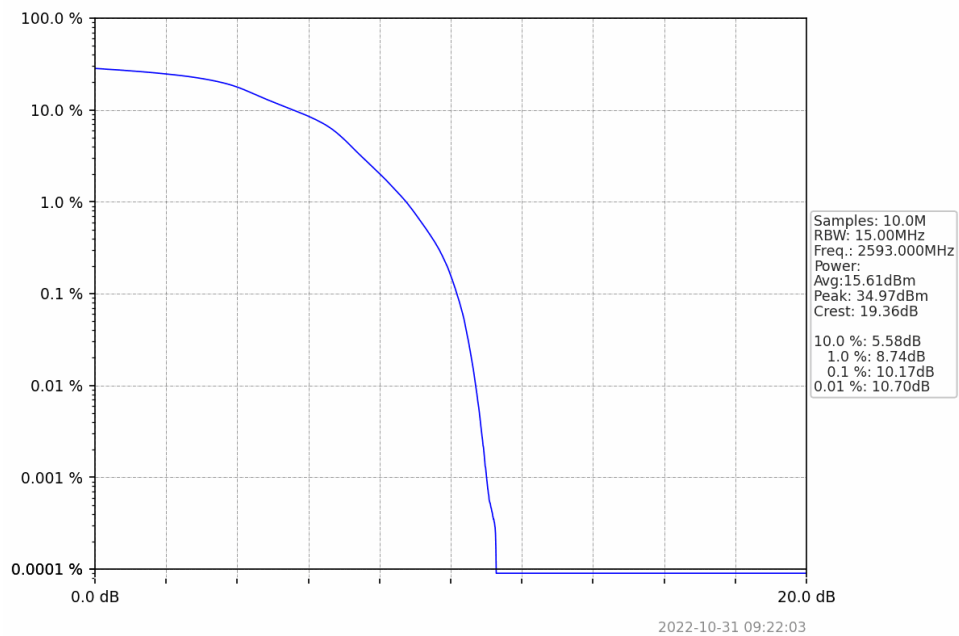




Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV

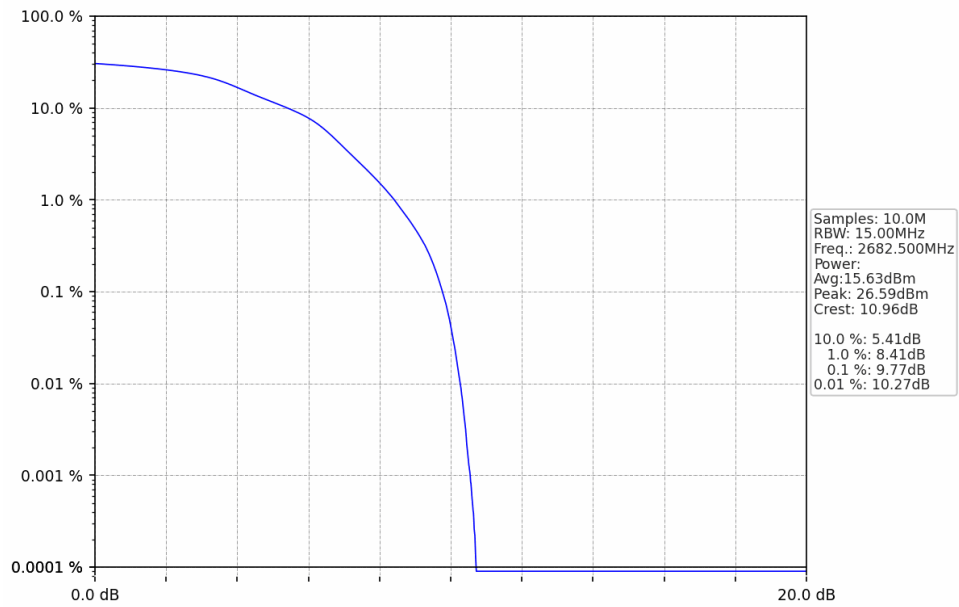


Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV





Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



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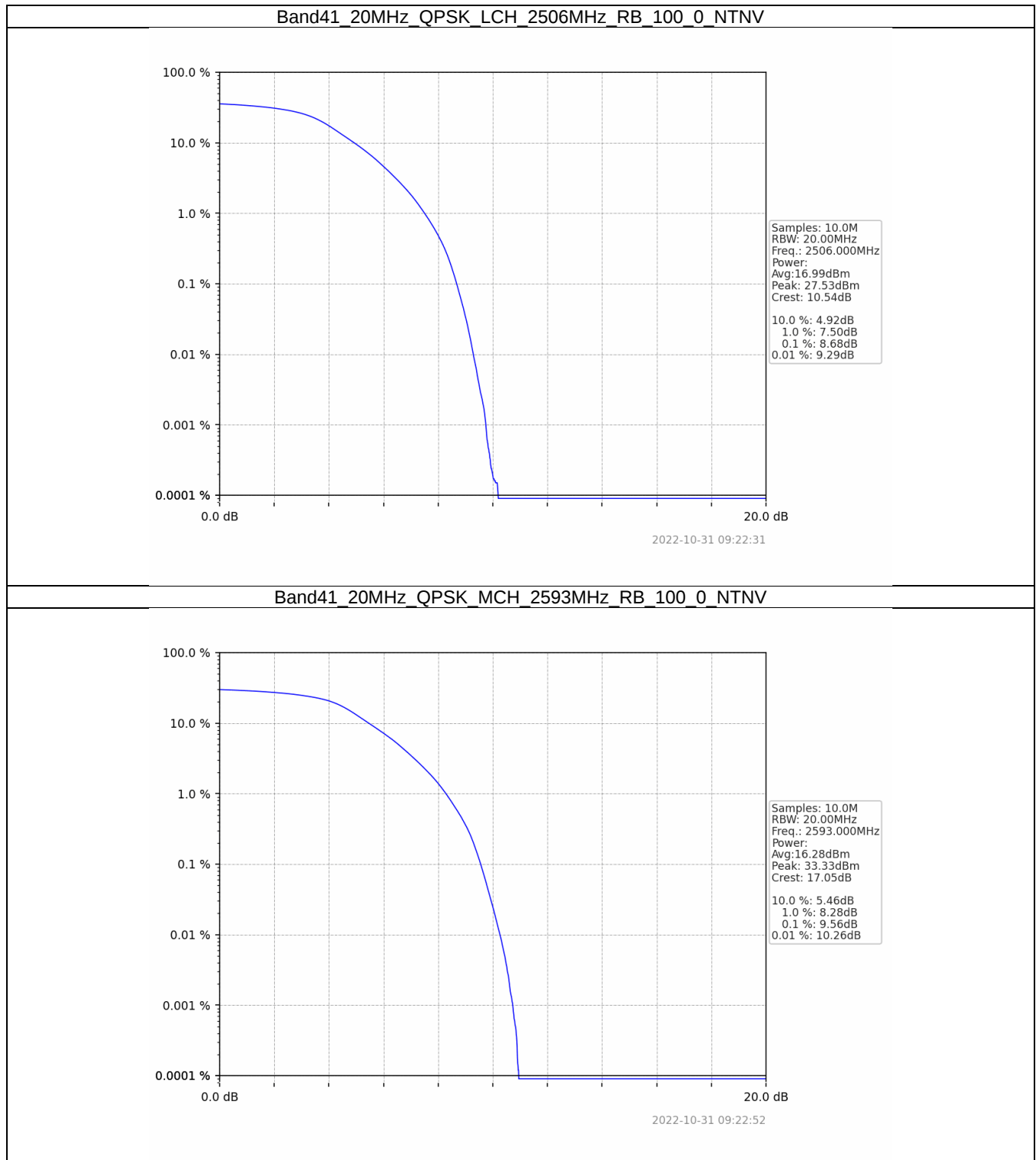
5.4 B41_20MHz

5.4.1 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	8.68	<=13	Pass
	2593	100	0	9.56	<=13	Pass
	2680	100	0	8.70	<=13	Pass
16QAM	2506	100	0	9.61	<=13	Pass
64QAM	2506	100	0	9.86	<=13	Pass
16QAM	2593	100	0	9.91	<=13	Pass
64QAM	2593	100	0	9.75	<=13	Pass
16QAM	2680	100	0	9.78	<=13	Pass
64QAM	2680	100	0	9.23	<=13	Pass

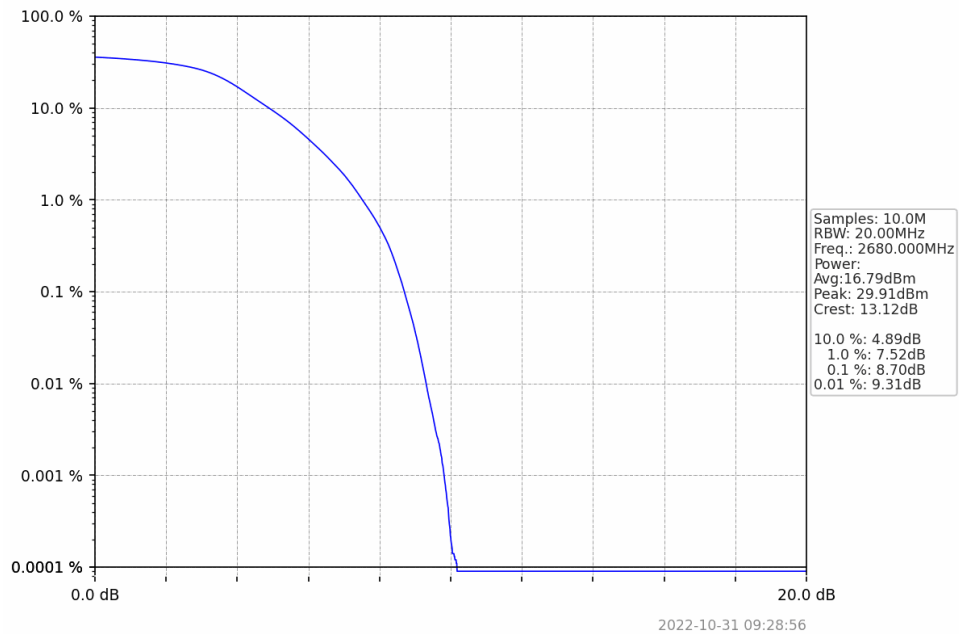


5.4.2 Test Graph

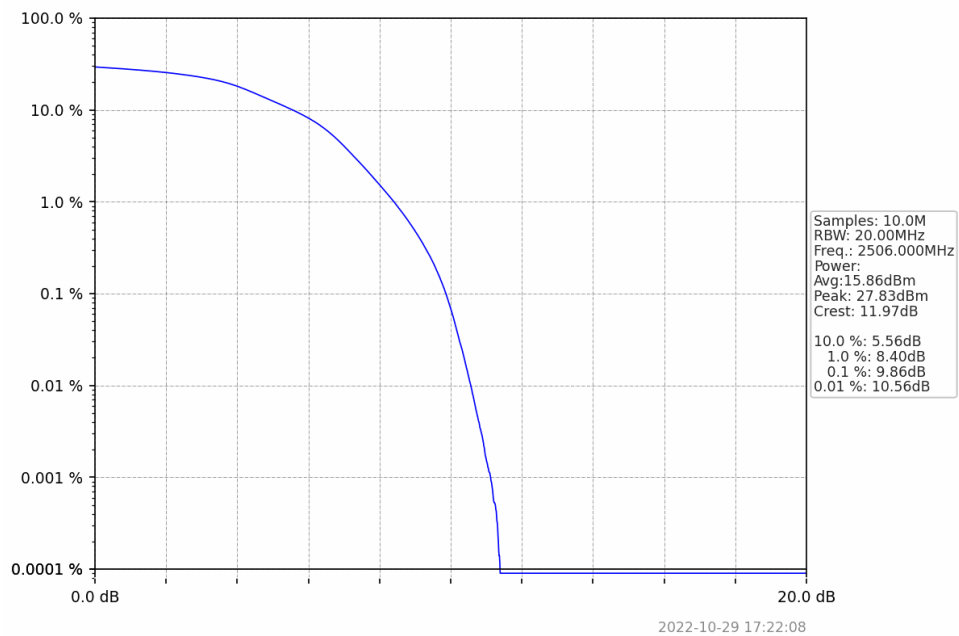




Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV

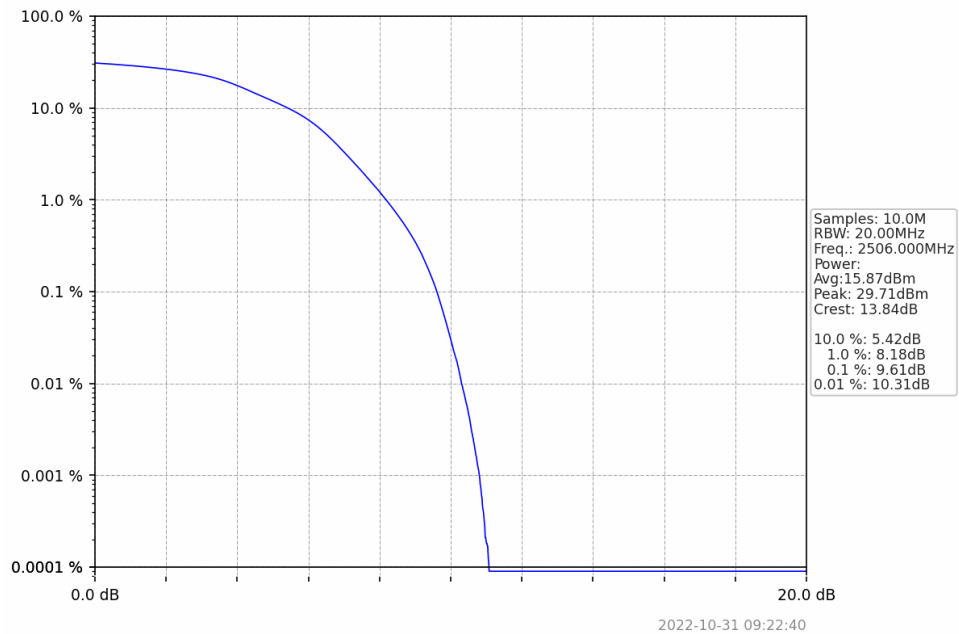


Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV

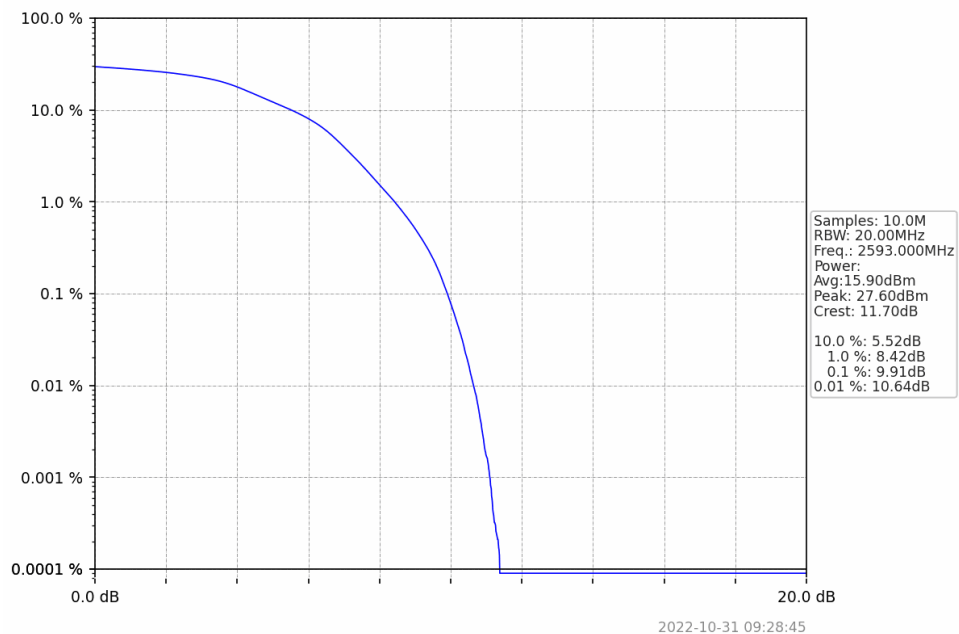




Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV

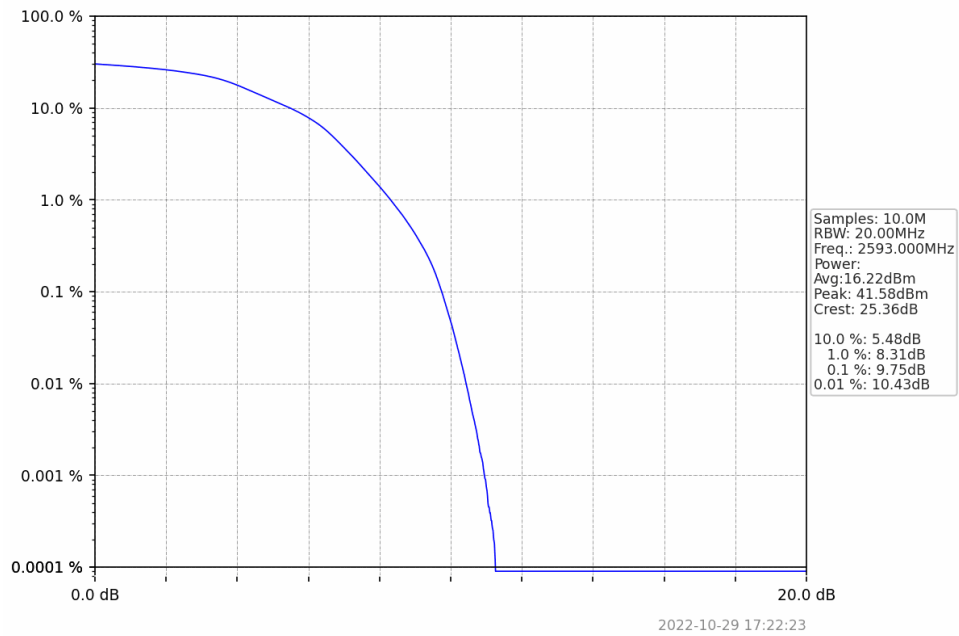


Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

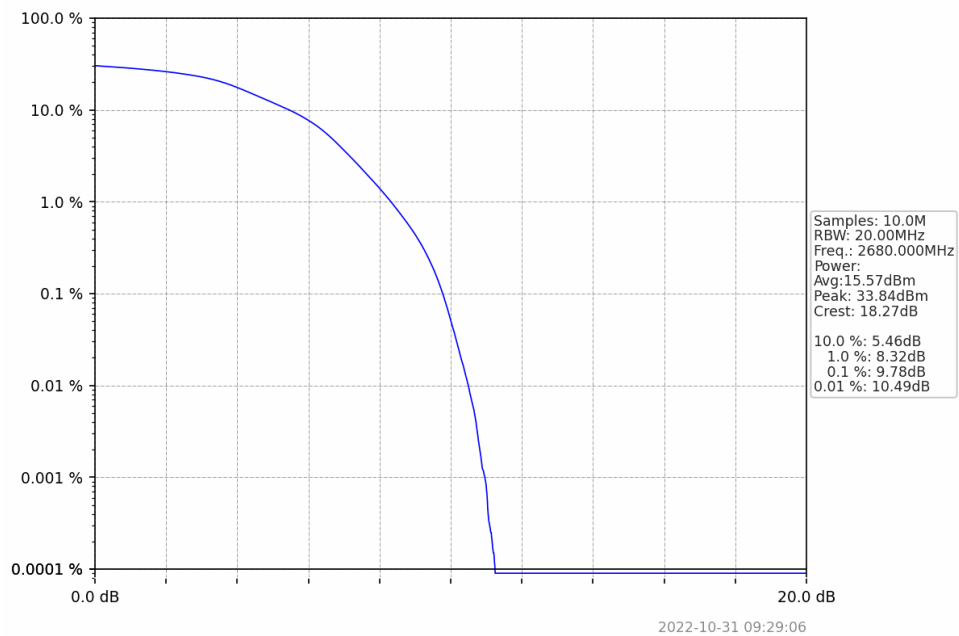


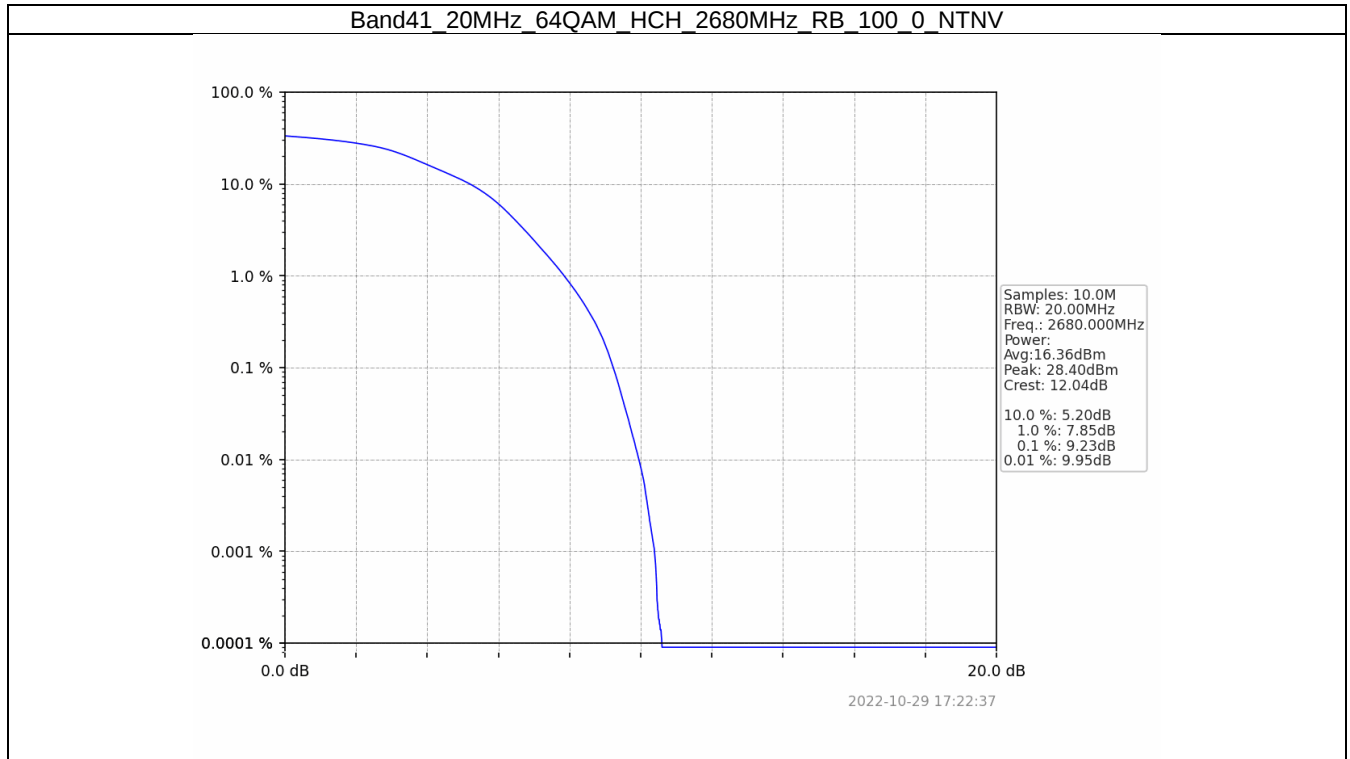


Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV







6. Spurious Emission

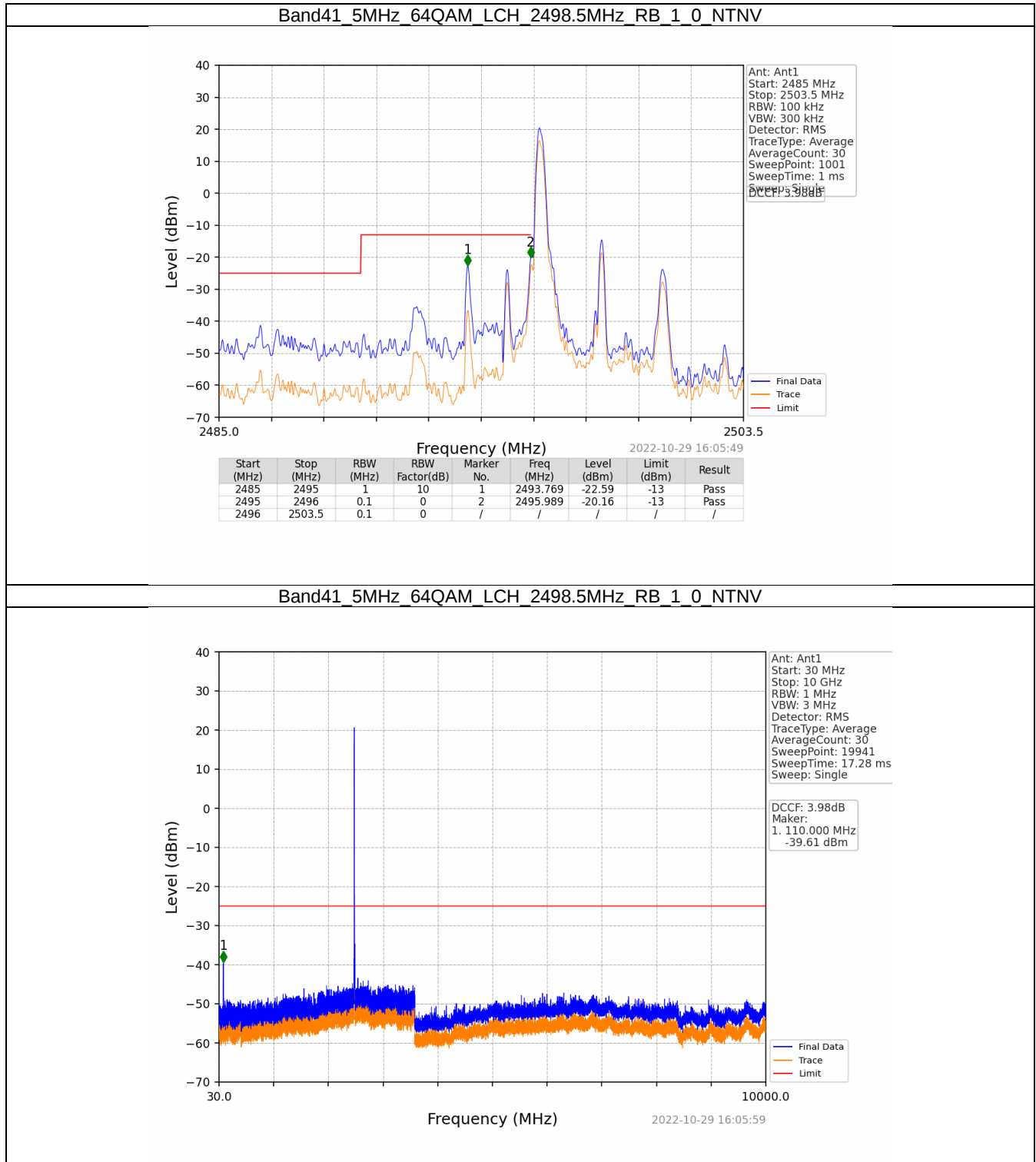
6.1 B41_5MHz

6.1.1 Test Result

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

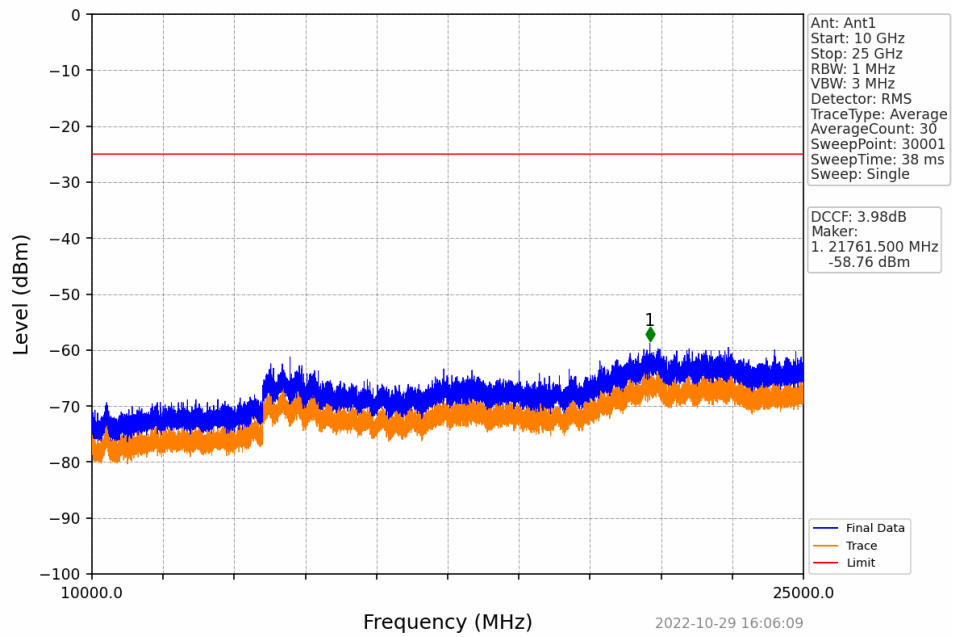


6.1.2 Test Graph

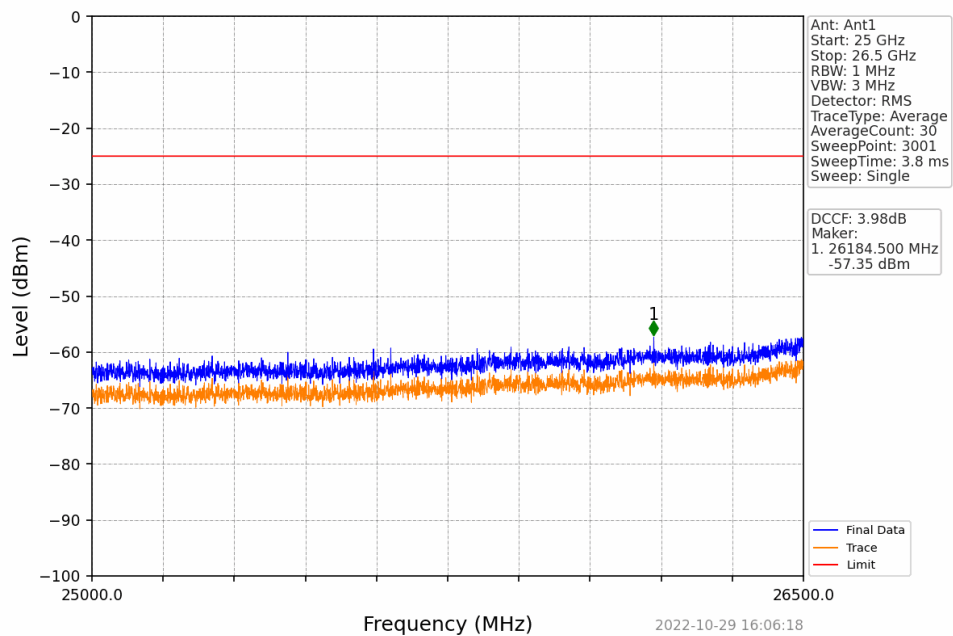




Band41_5MHz_64QAM_LCH_2498.5MHz_RB_1_0_NTNV

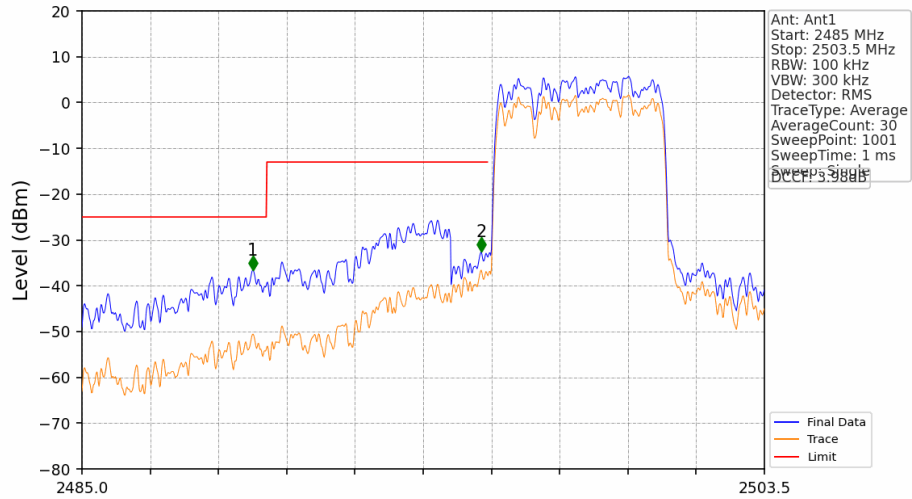


Band41_5MHz_64QAM_LCH_2498.5MHz_RB_1_0_NTNV





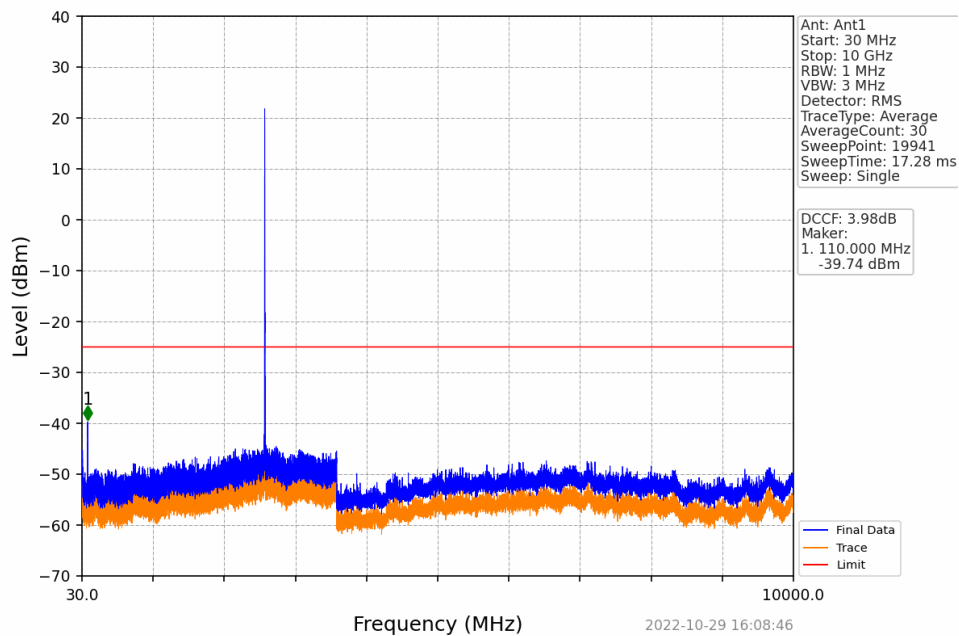
Band41_5MHz_64QAM_LCH_2498.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	10	1	2489.625	-36.61	-25	Pass
2495	2496	0.1	0	2	2495.823	-32.62	-13	Pass
2496	2503.5	0.102	0.09	/	/	/	/	/

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Band41_5MHz_64QAM_MCH_2593MHz_RB_1_0_NTNV

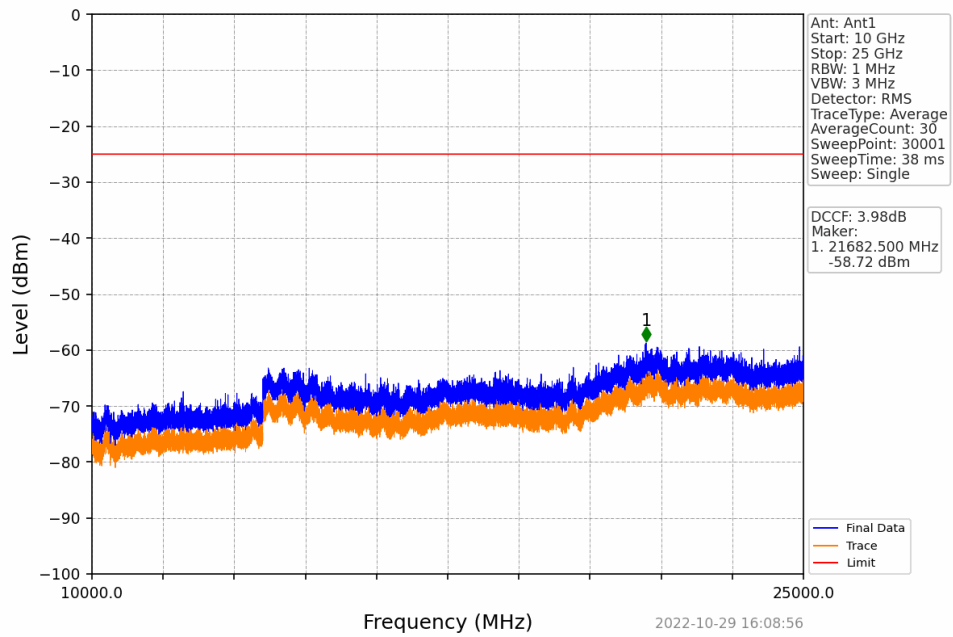


Frequency (MHz)

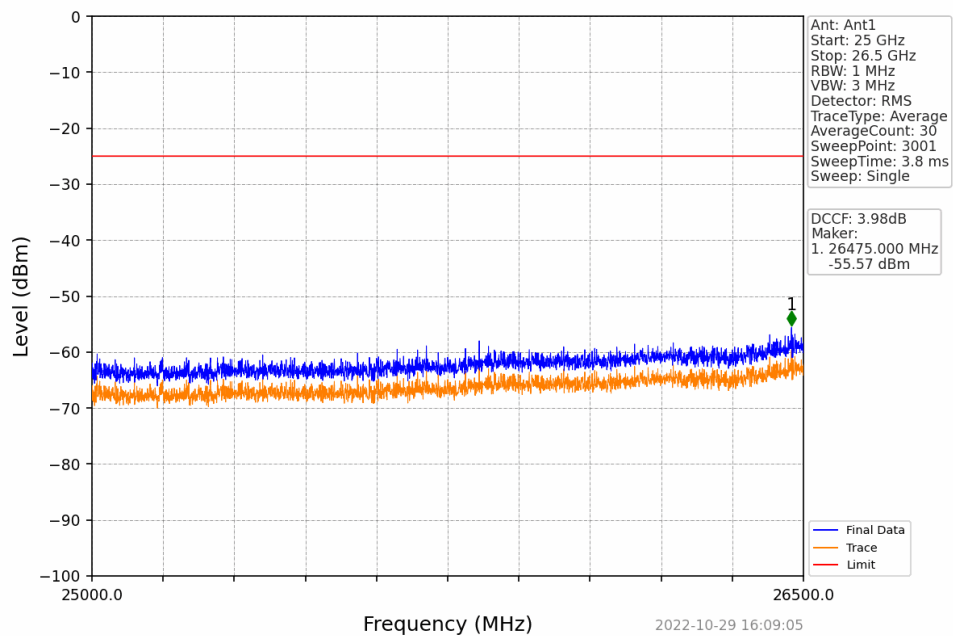
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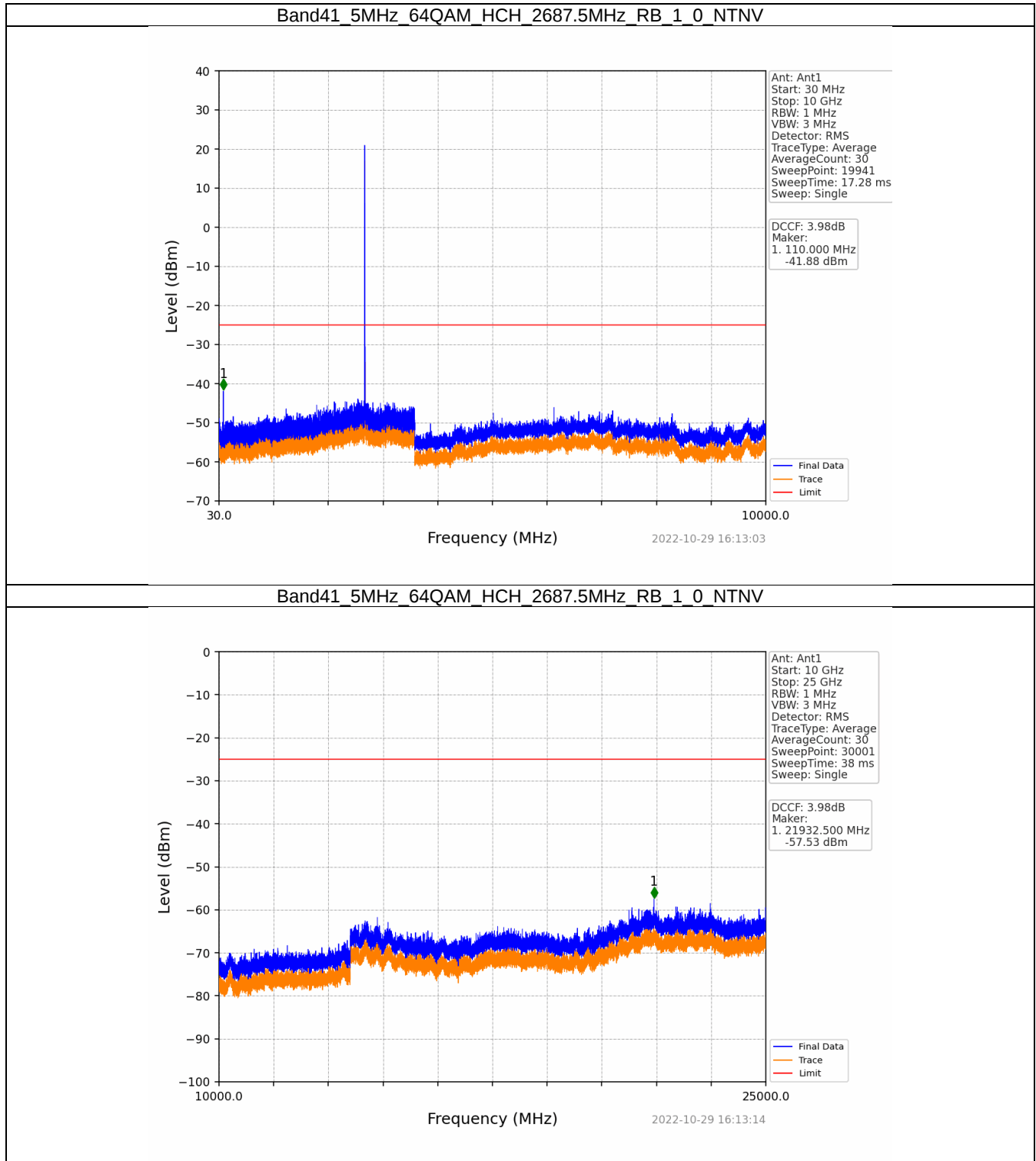


Band41_5MHz_64QAM_MCH_2593MHz_RB_1_0_NTNV

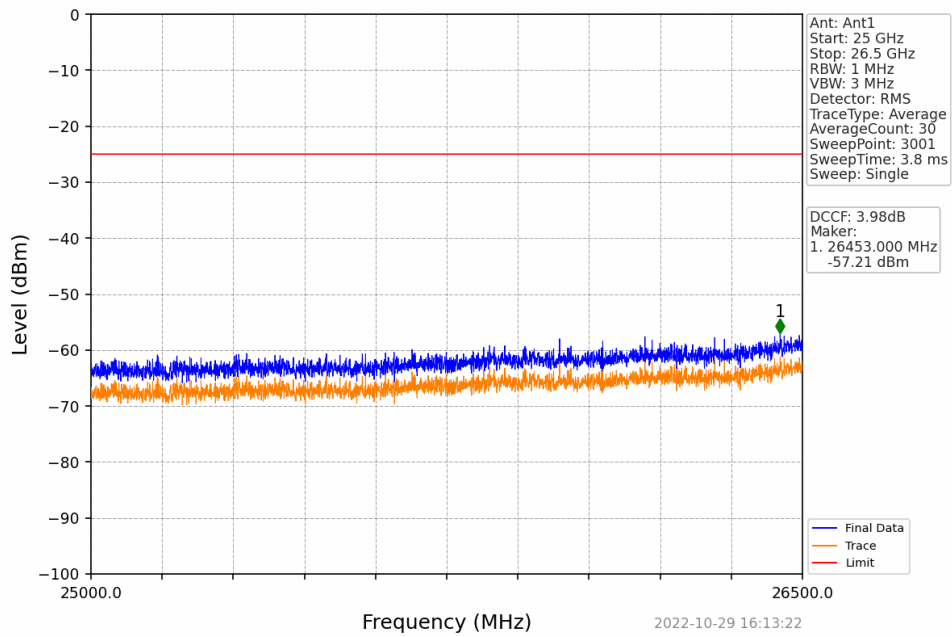


Band41_5MHz_64QAM_MCH_2593MHz_RB_1_0_NTNV

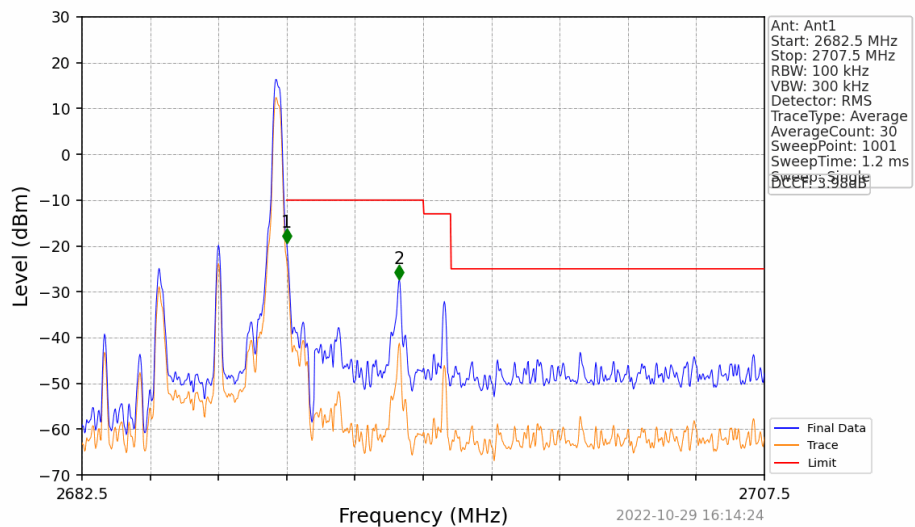




Band41_5MHz_64QAM_HCH_2687.5MHz_RB_1_0_NTNV

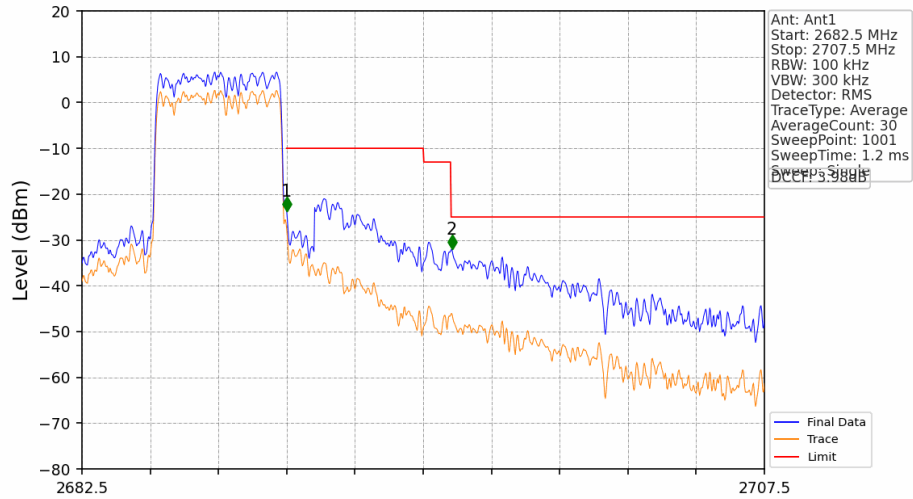


Band41_5MHz_64QAM_HCH_2687.5MHz_RB_1_24_NTNV

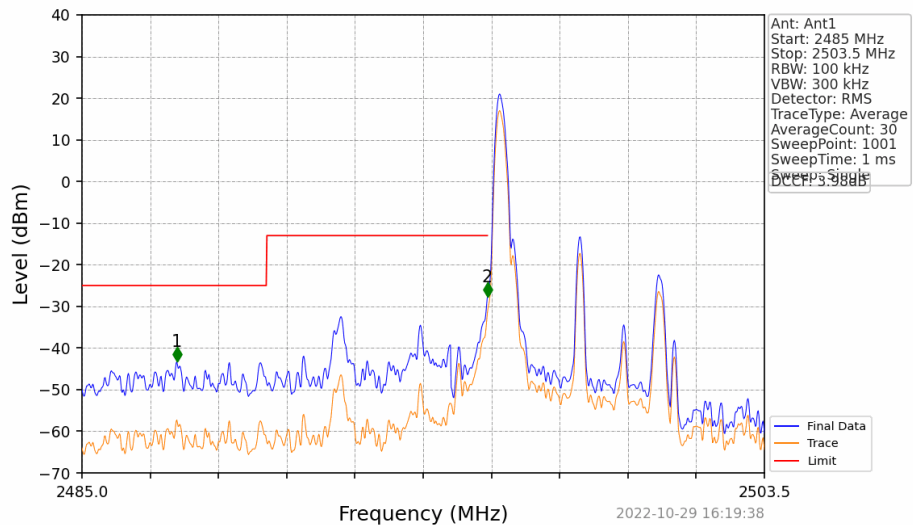


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	0	/	/	/	/	/
2690	2691	0.1	0	1	2690.000	-19.30	-10	Pass
2691	2707.5	1	10	2	2694.125	-27.25	-10	Pass

Band41_5MHz_64QAM_HCH_2687.5MHz_RB_25_0_NTNV

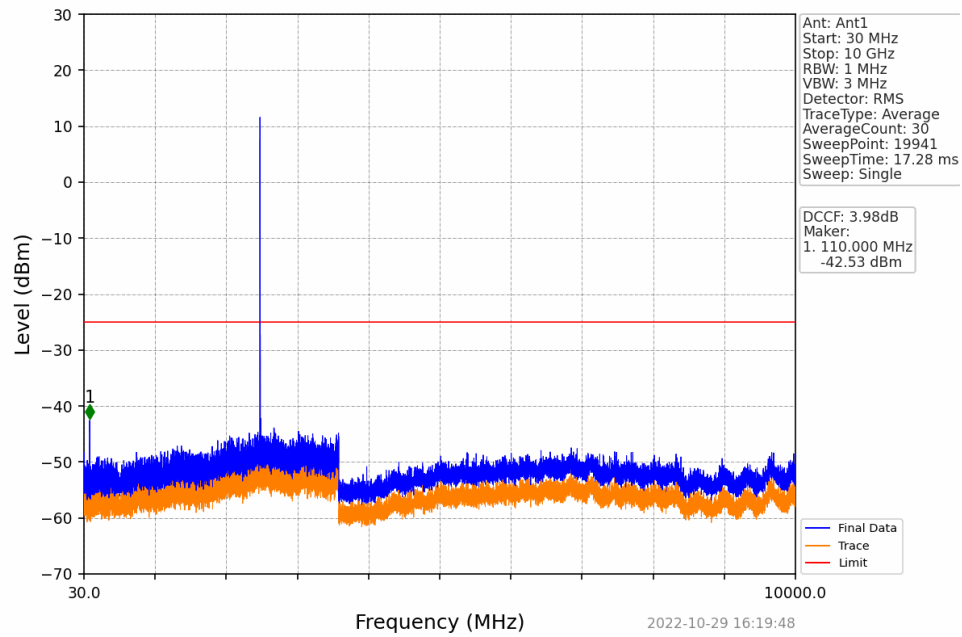


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

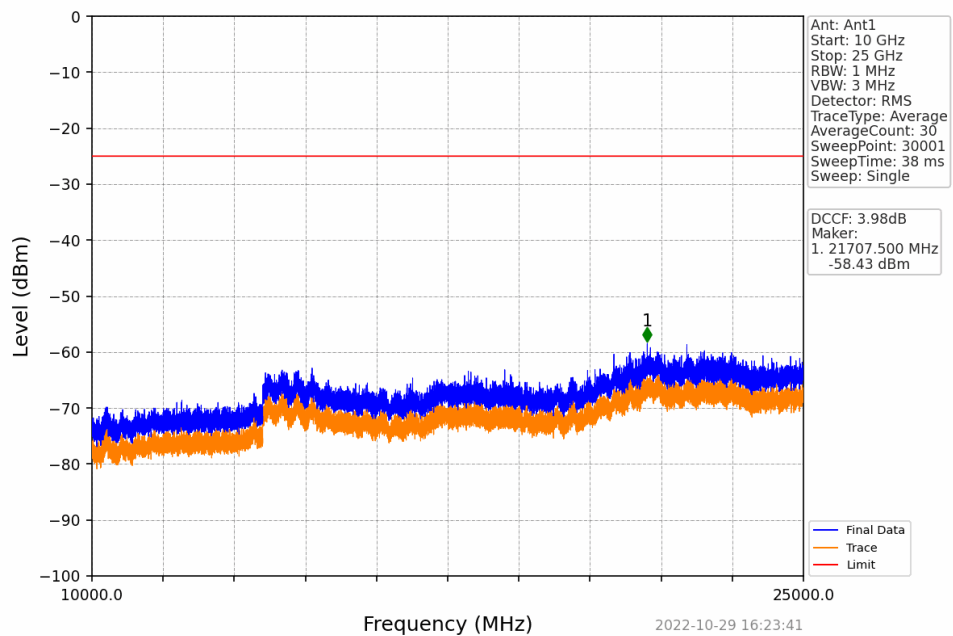




Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

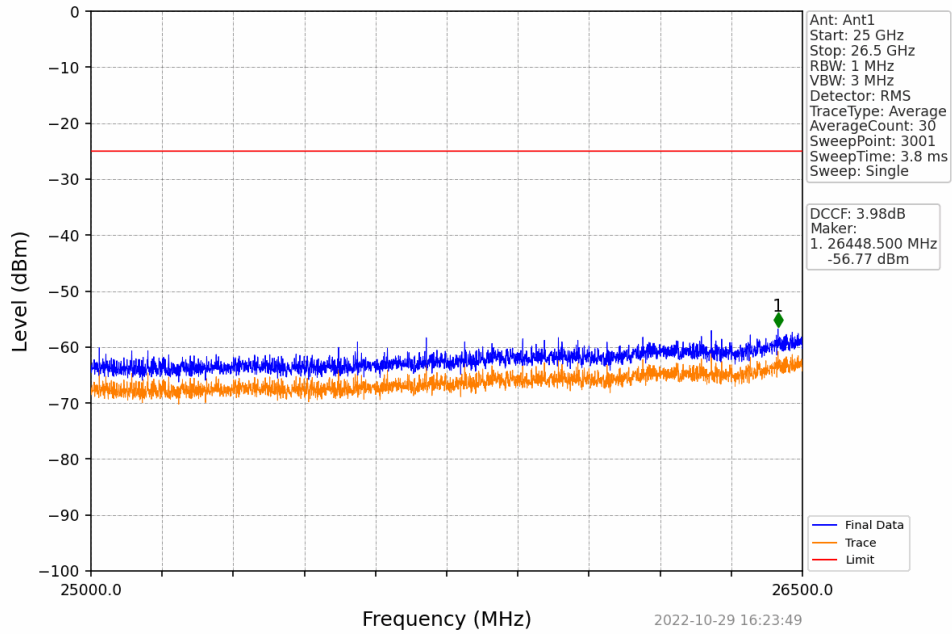


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

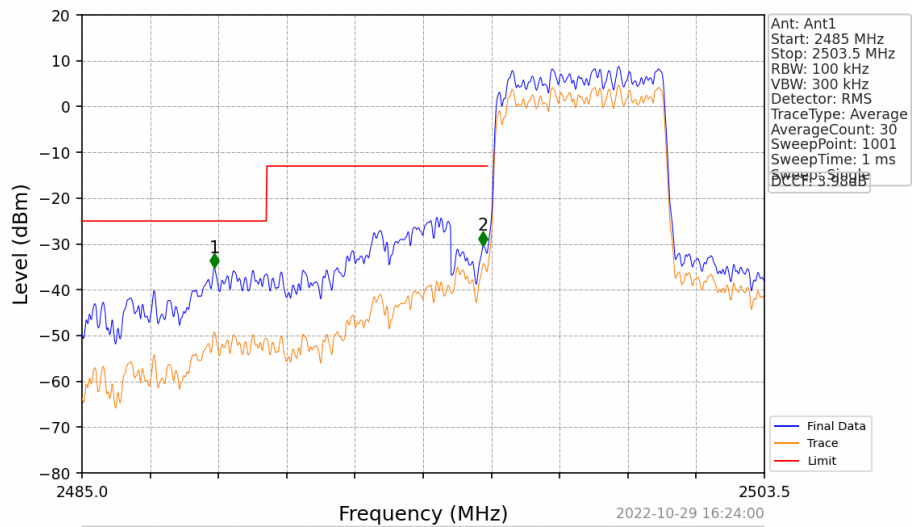




Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



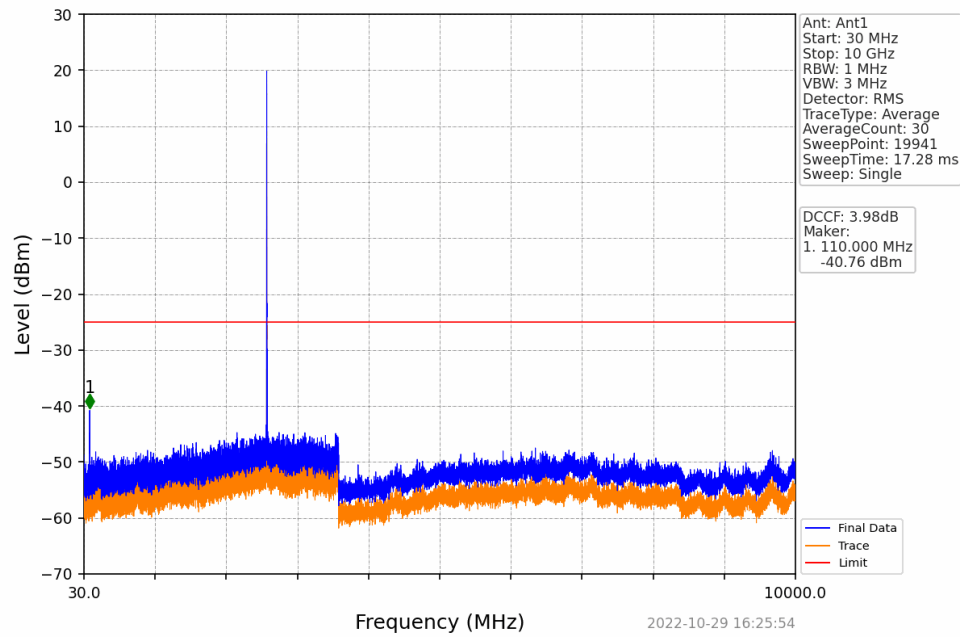
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



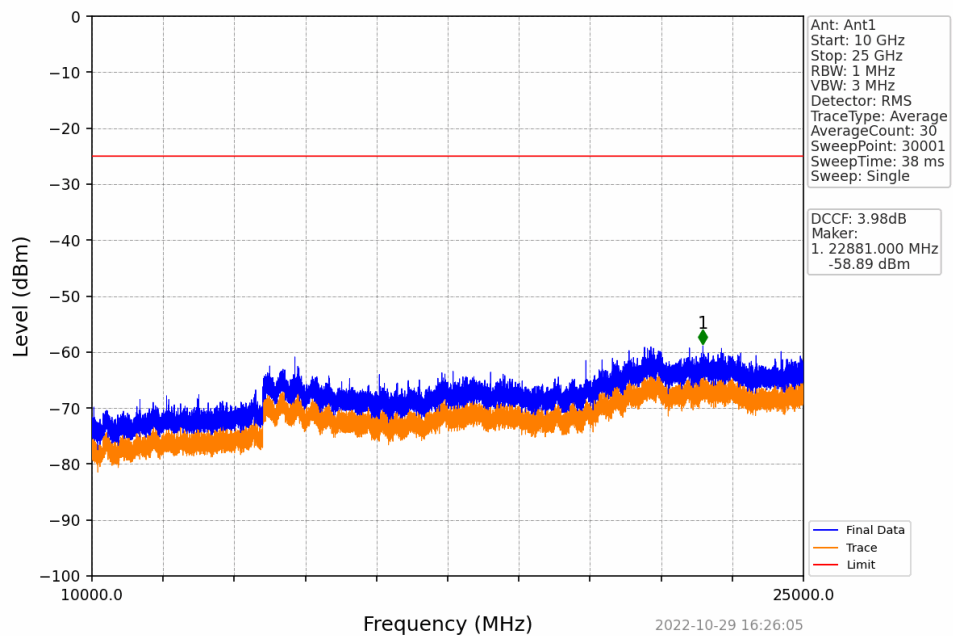
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	10	1	2488.589	-35.23	-25	Pass
2495	2496	0.1	0	2	2495.878	-30.35	-13	Pass
2496	2503.5	0.102	0.09	/	/	/	/	/



Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV

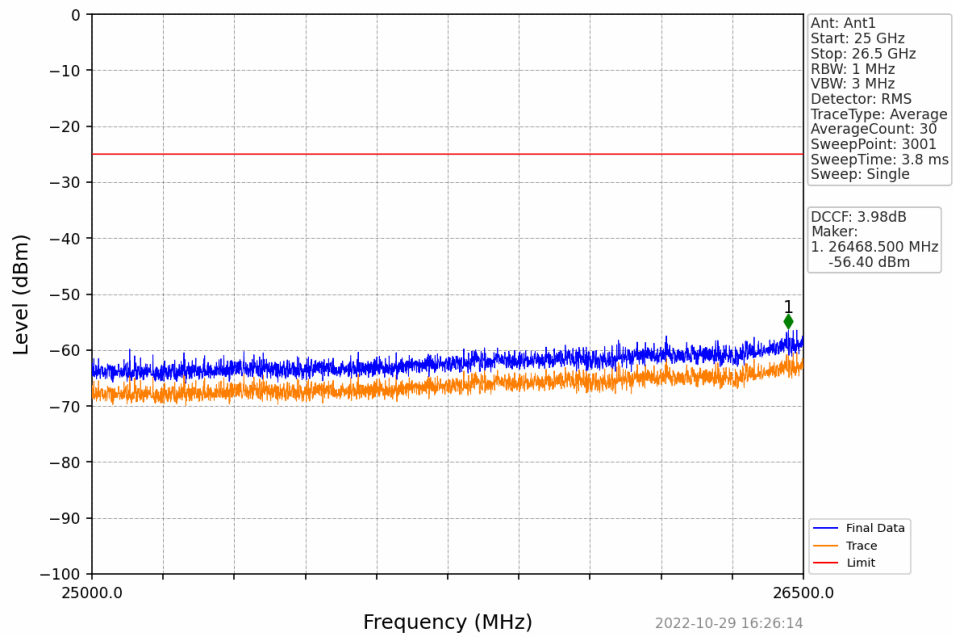


Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV

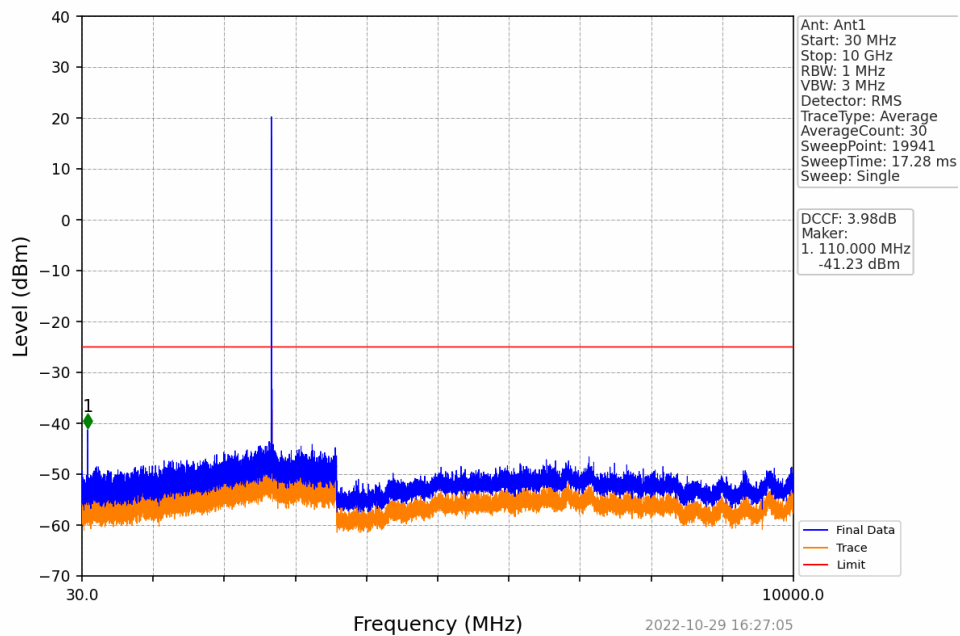




Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV

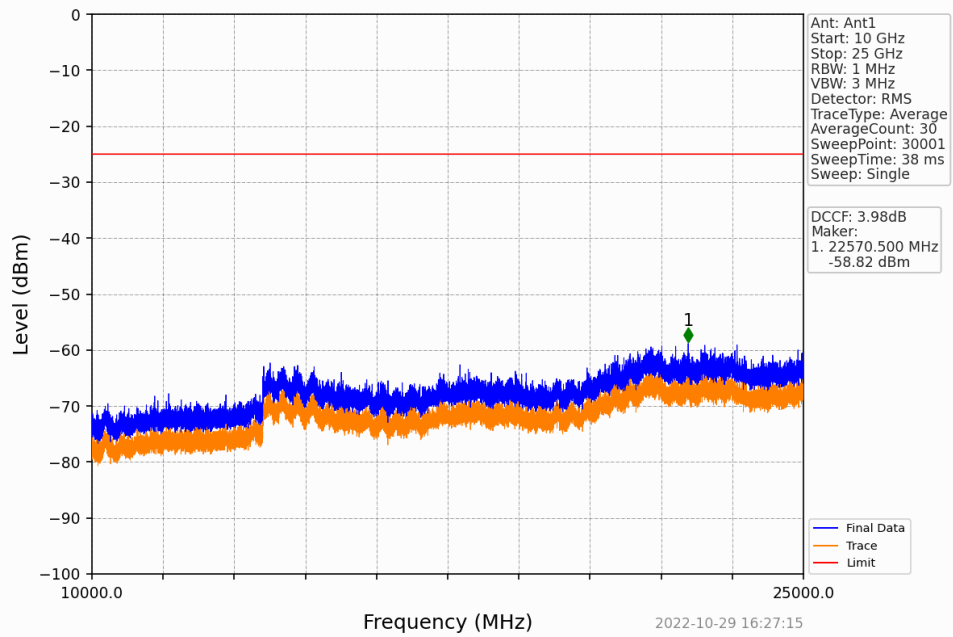


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

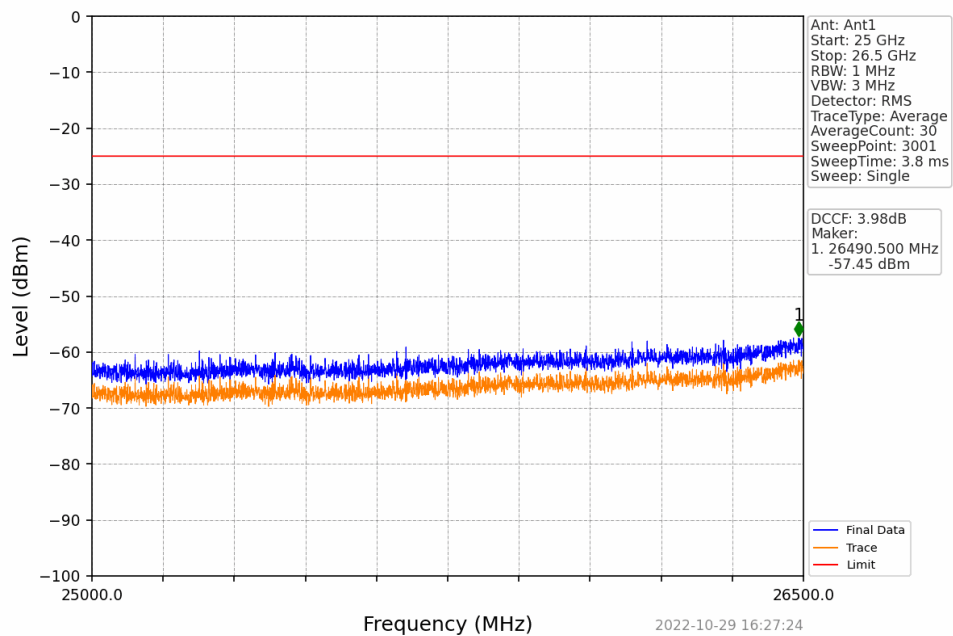




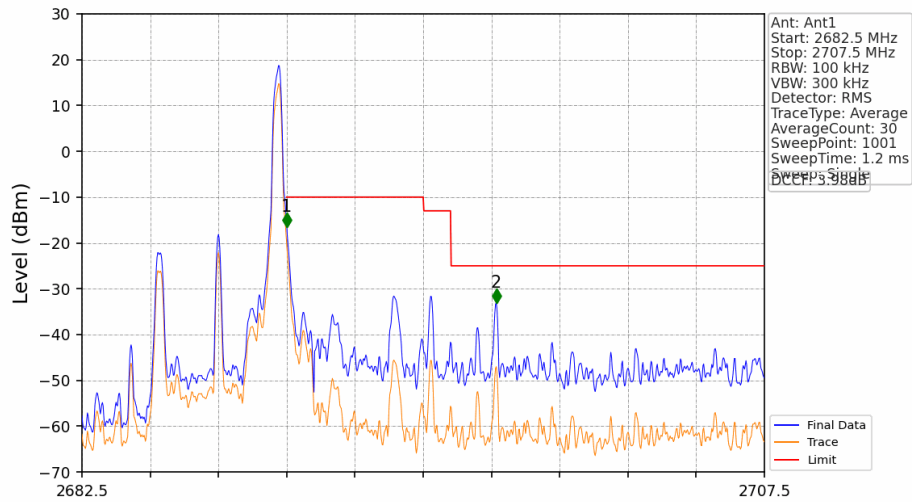
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

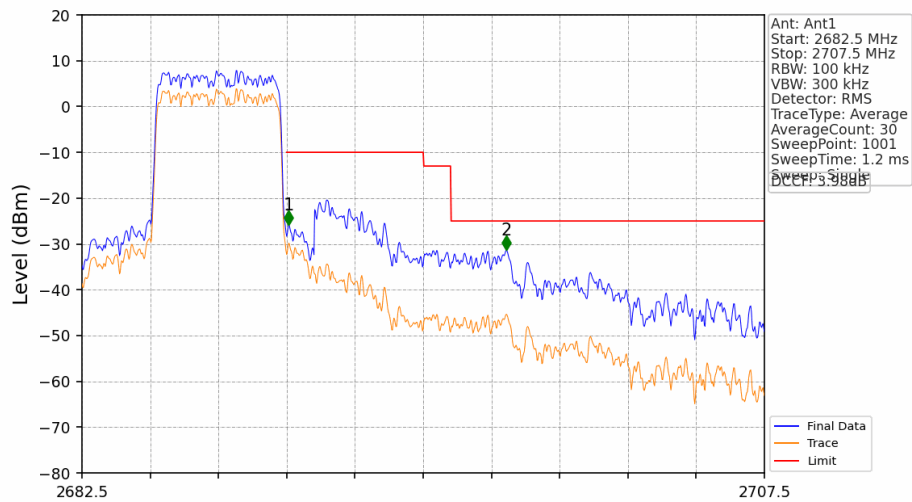


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	0	/	/	/	/	/
2690	2691	0.1	0	1	2690.000	-16.47	-10	Pass
2691	2707.5	1	10	2	2697.675	-33.05	-25	Pass

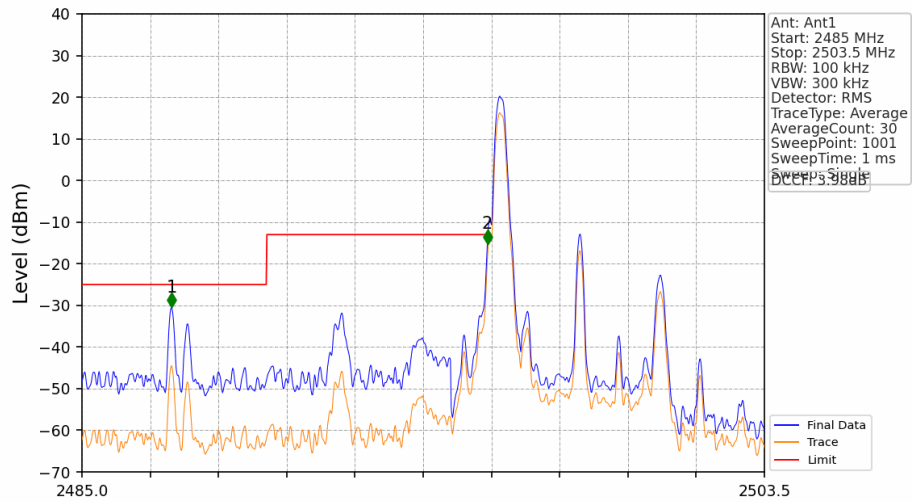
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	0	/	/	/	/	/
2690	2691	0.1	0	1	2690.075	-25.84	-10	Pass
2691	2707.5	1	10	2	2698.050	-31.38	-25	Pass



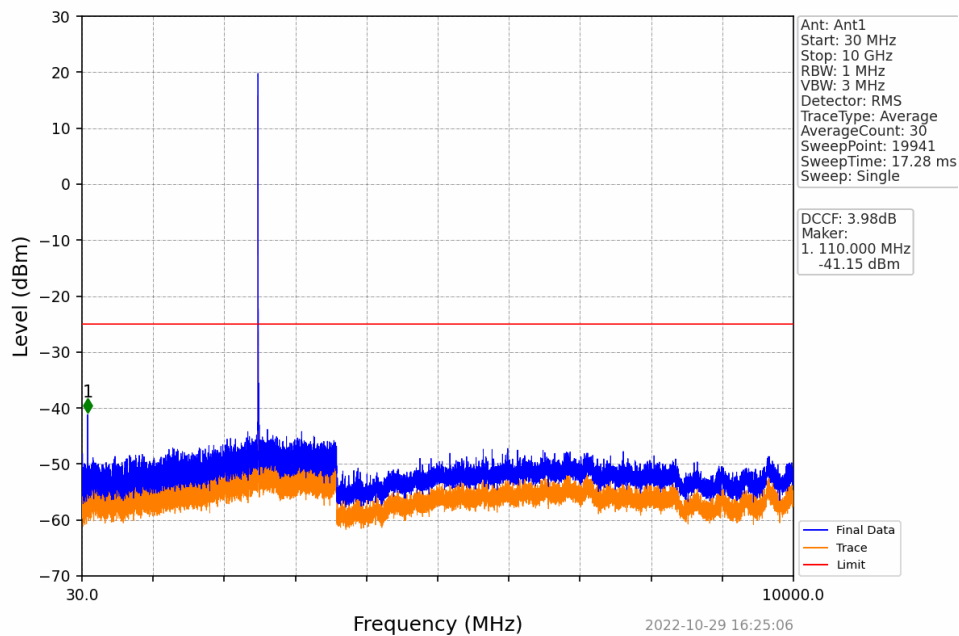
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	10	1	2487.423	-30.51	-25	Pass
2495	2496	0.1	0	2	2495.989	-15.22	-13	Pass
2496	2503.5	0.1	0	/	/	/	/	/

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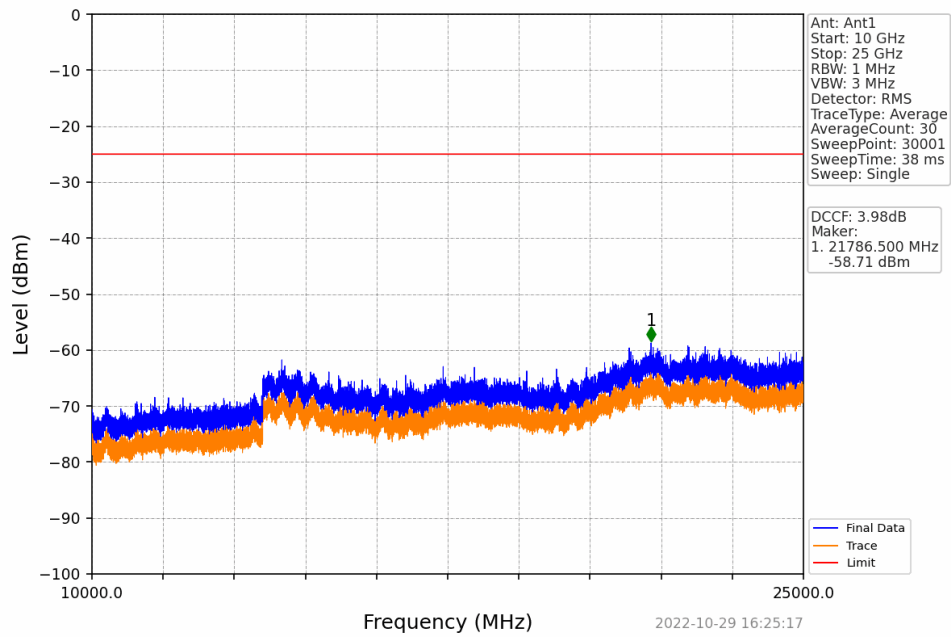
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



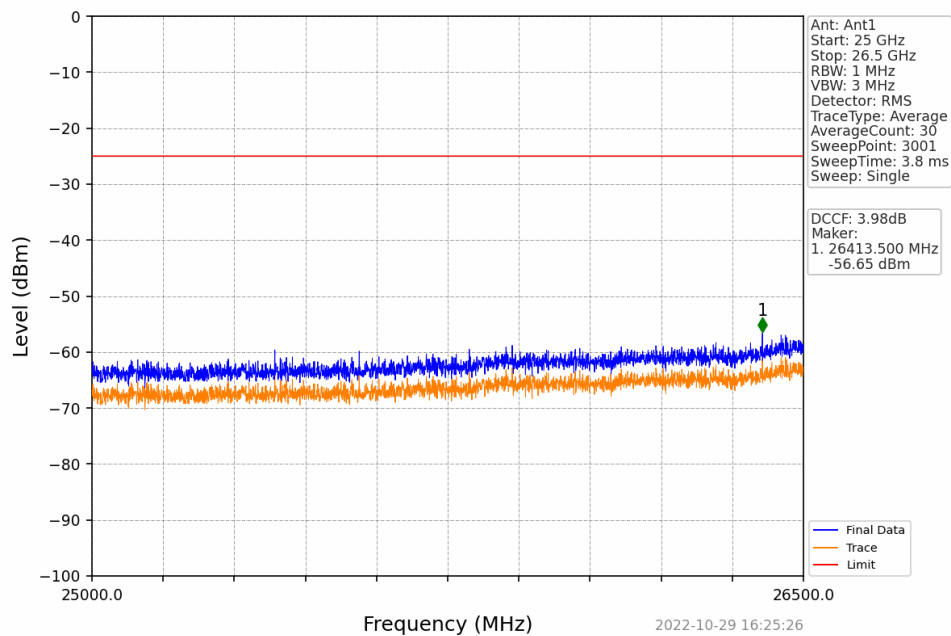
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Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV

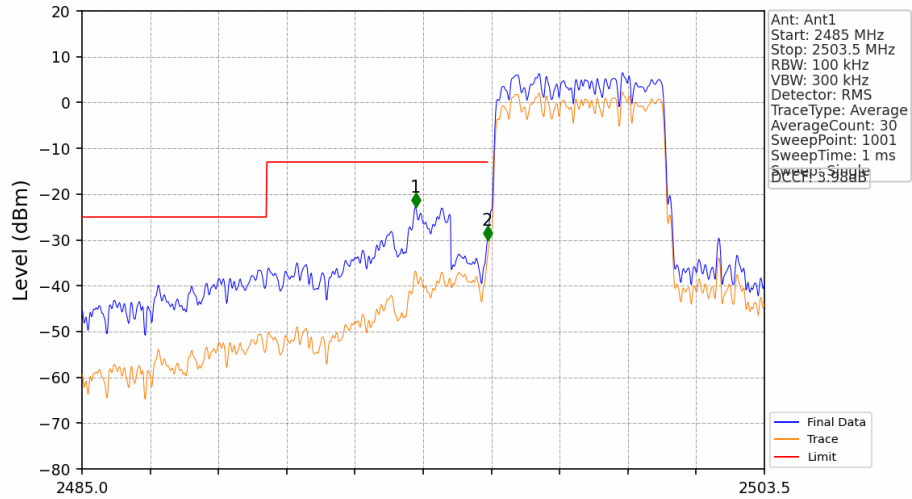


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



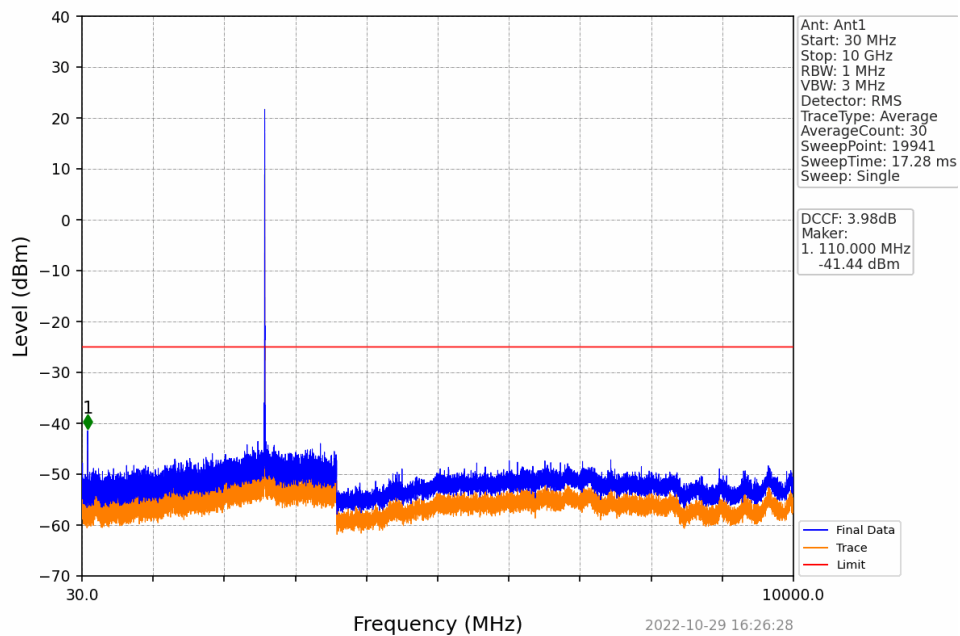


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



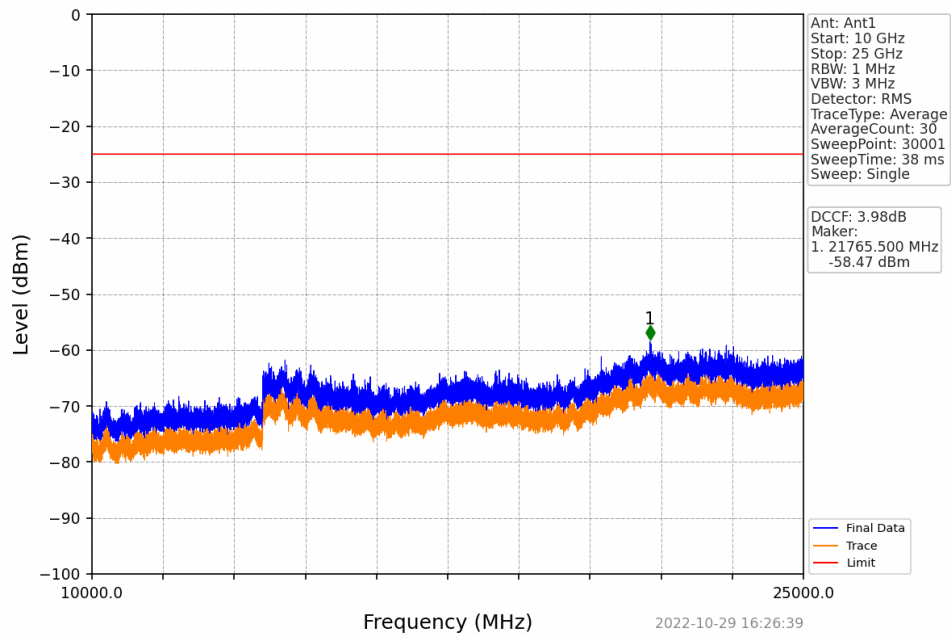
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	10	1	2494.046	-22.84	-13	Pass
2495	2496	0.1	0	2	2495.989	-30.14	-13	Pass
2496	2503.5	0.106	0.25	/	/	/	/	/

Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV

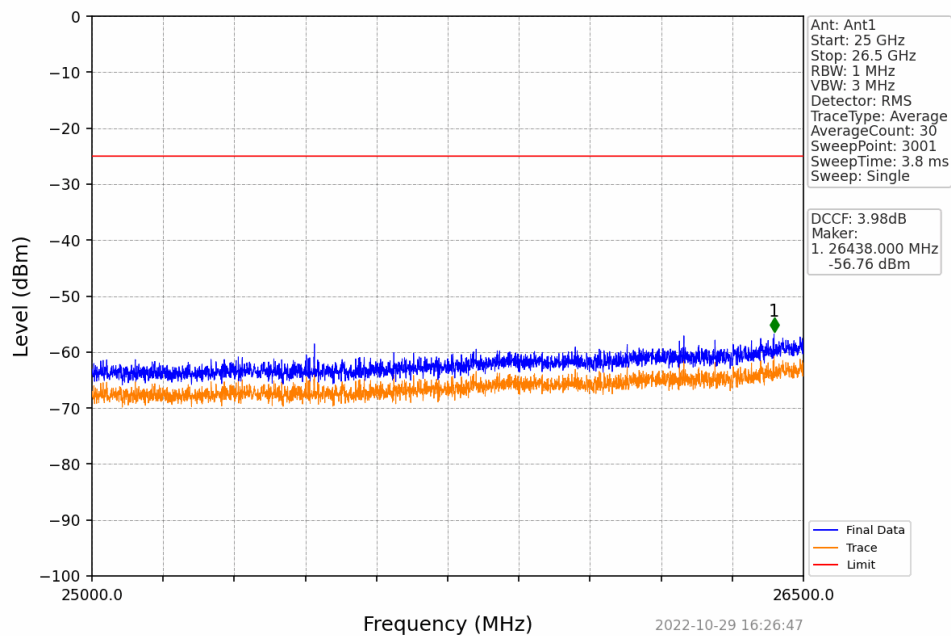


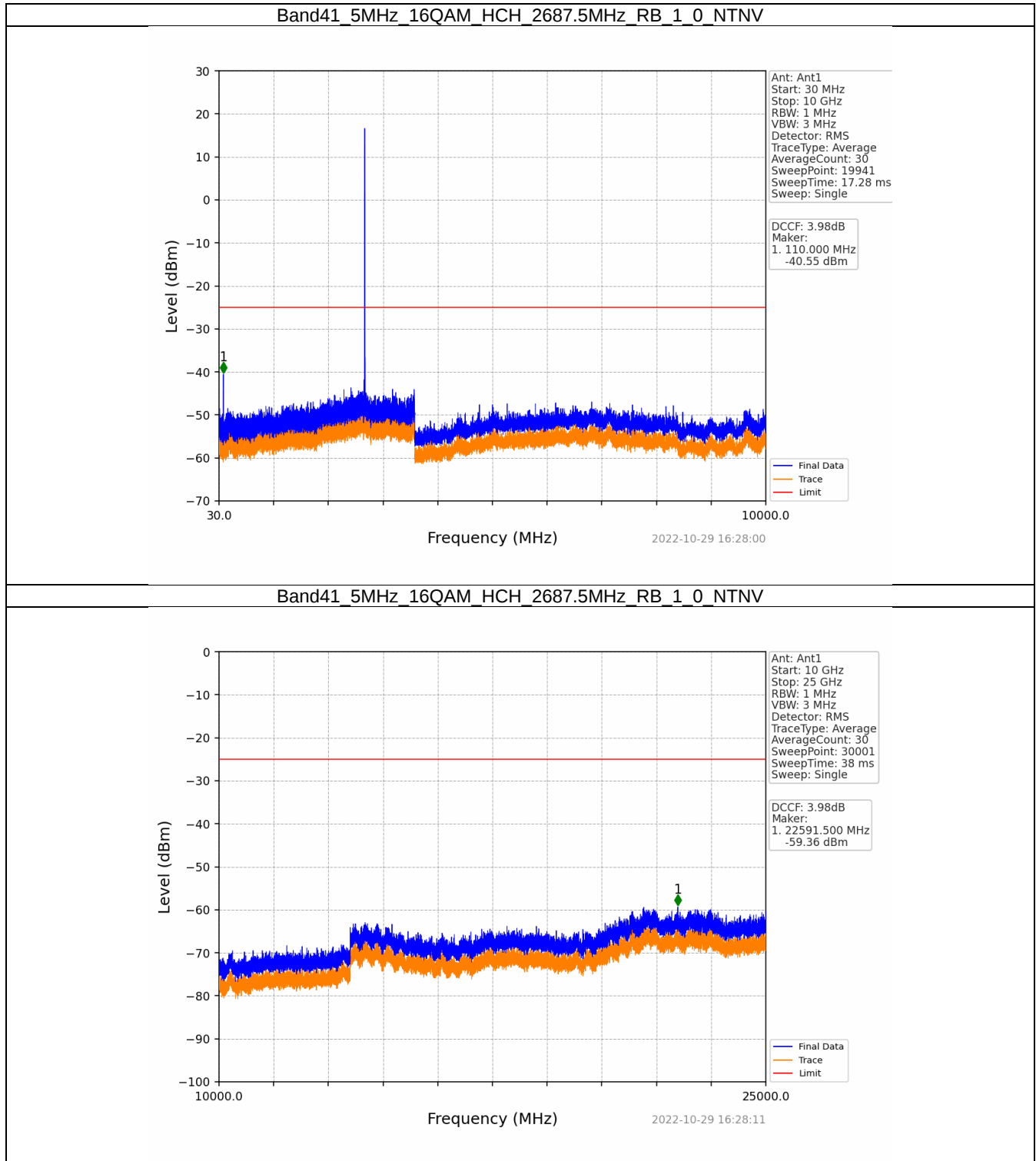


Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV

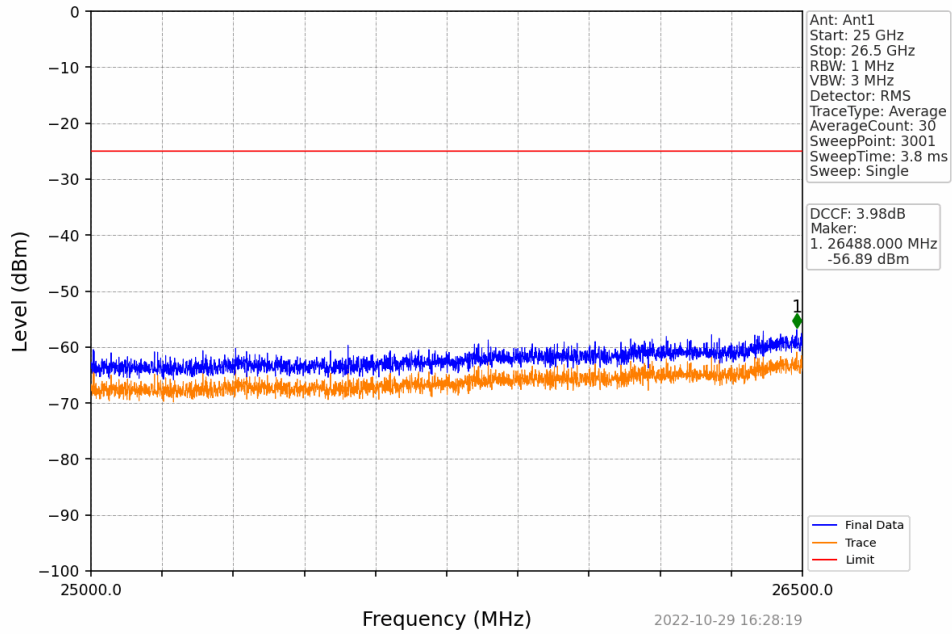


Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV

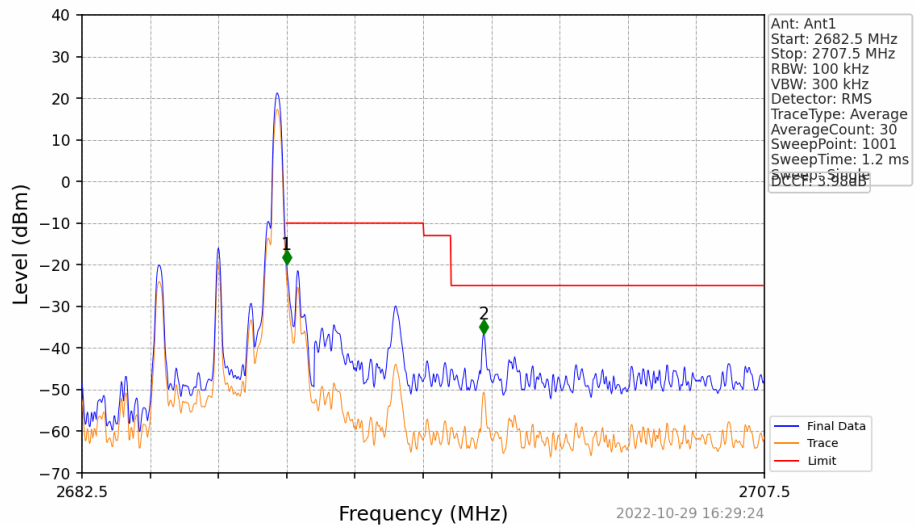




Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



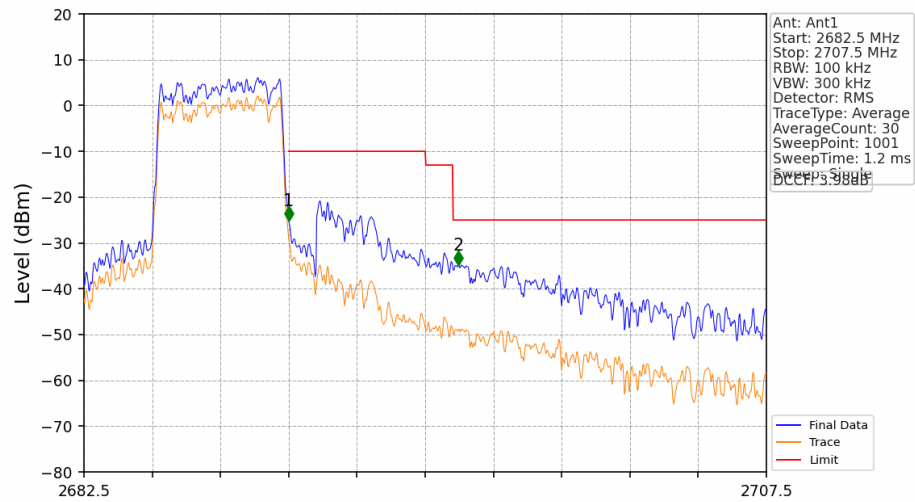
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	0	/	/	/	/	/
2690	2691	0.1	0	1	2690.000	-20.00	-10	Pass
2691	2707.5	1	10	2	2697.225	-36.63	-25	Pass



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	0	/	/	/	/	/
2690	2691	0.1	0	1	2690.000	-25.19	-10	Pass
2691	2707.5	1	10	2	2696.225	-34.83	-25	Pass

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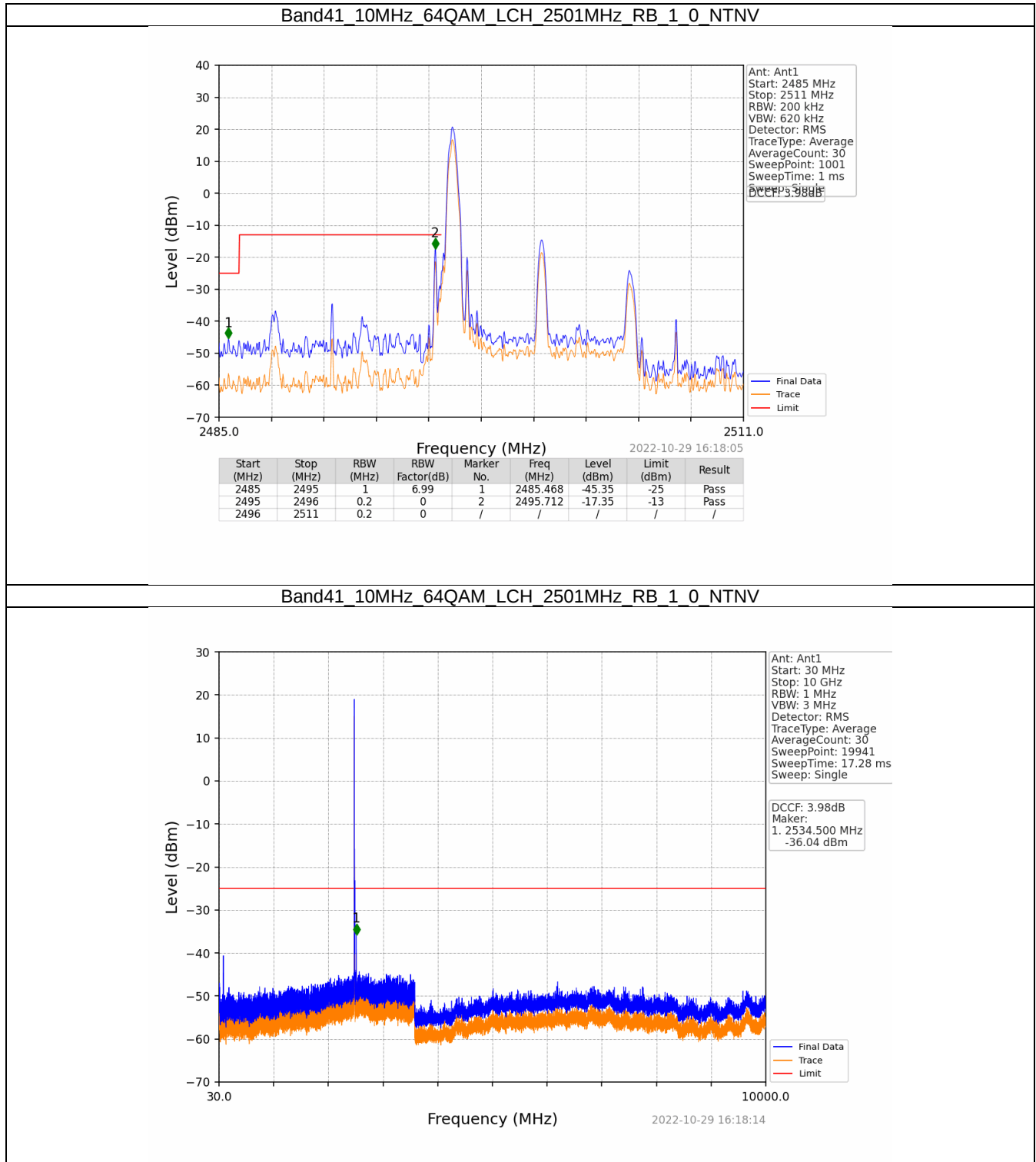
6.2 B41_10MHz

6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	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
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
16QAM	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

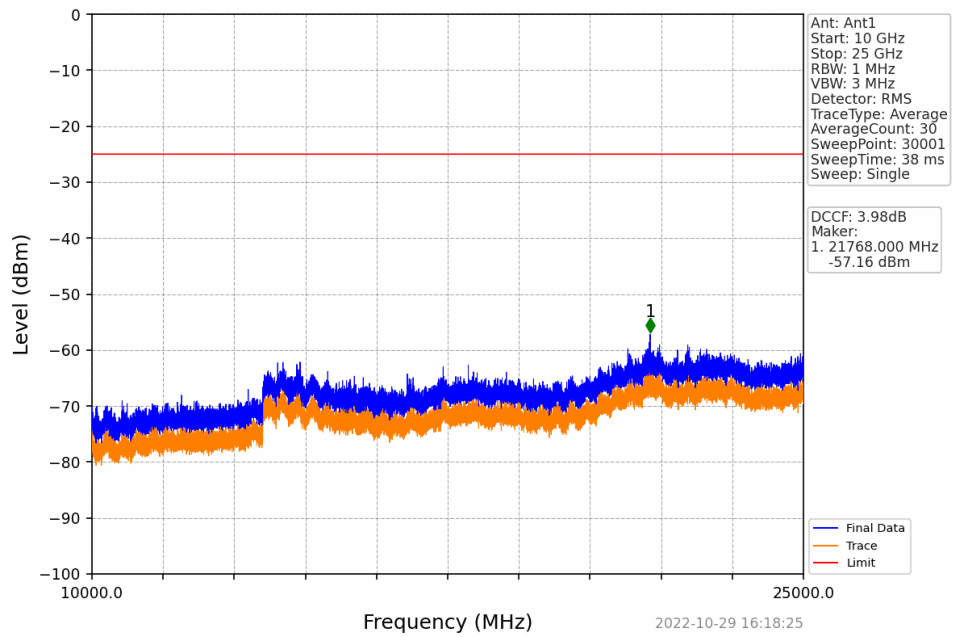


6.2.2 Test Graph

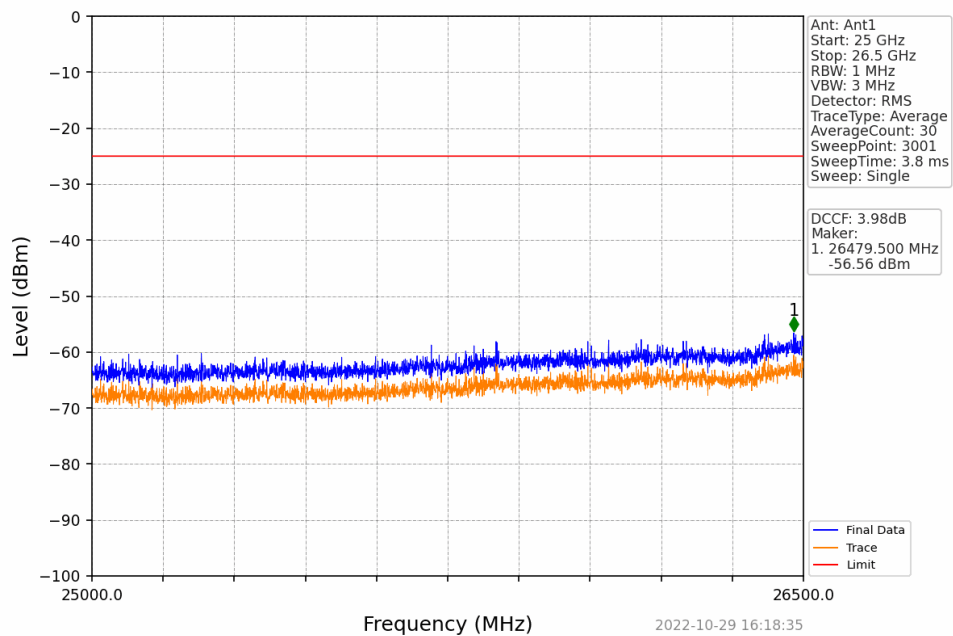




Band41_10MHz_64QAM_LCH_2501MHz_RB_1_0_NTNV

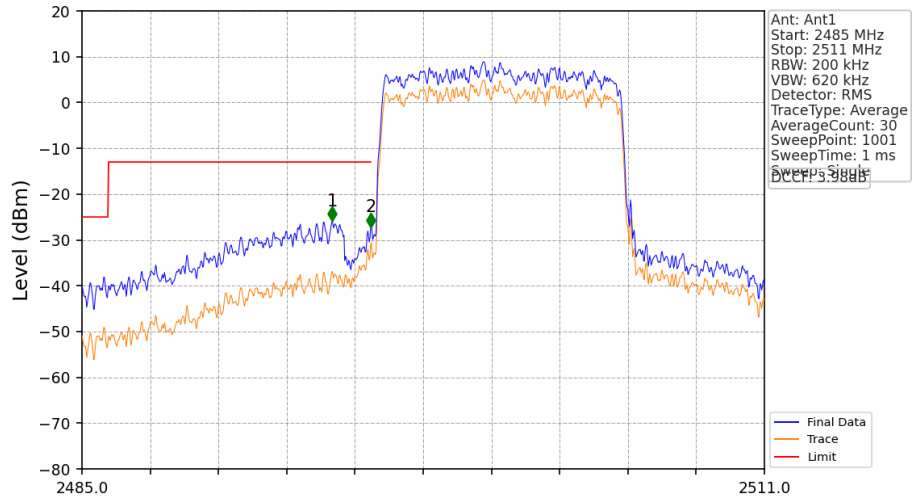


Band41_10MHz_64QAM_LCH_2501MHz_RB_1_0_NTNV





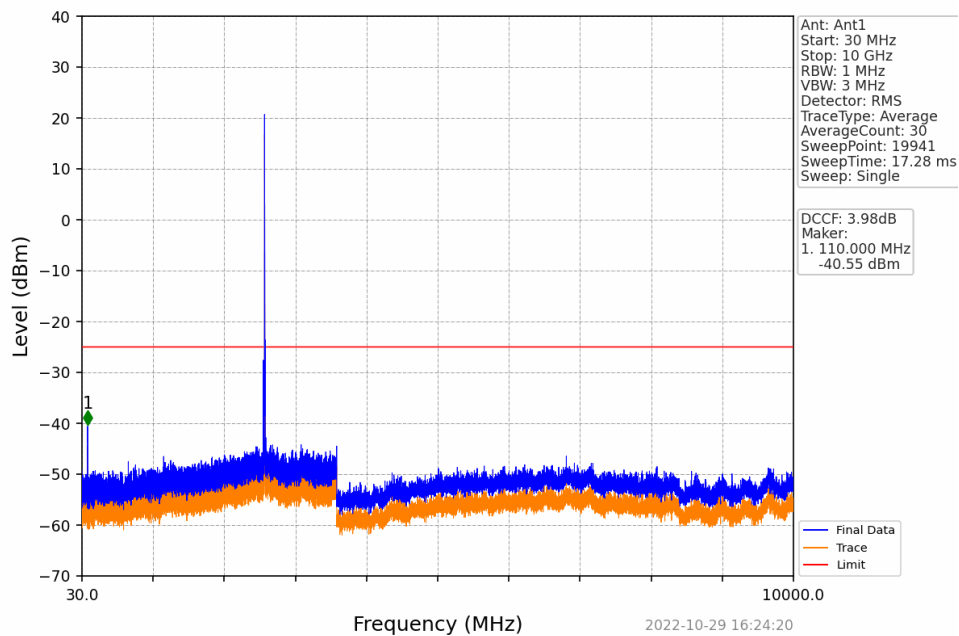
Band41_10MHz_64QAM_LCH_2501MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	6.99	1	2494.542	-25.88	-13	Pass
2495	2496	0.2	0	2	2495.998	-27.19	-13	Pass
2496	2511	0.201	0.02	/	/	/	/	/

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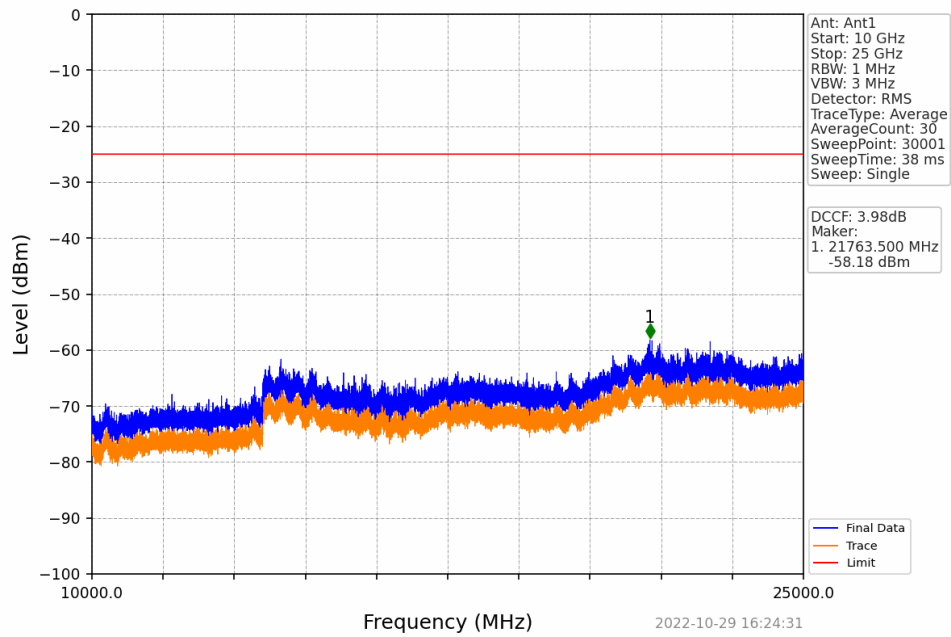
Band41_10MHz_64QAM_MCH_2593MHz_RB_1_0_NTNV



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Band41_10MHz_64QAM_MCH_2593MHz_RB_1_0_NTNV



Band41_10MHz_64QAM_MCH_2593MHz_RB_1_0_NTNV

