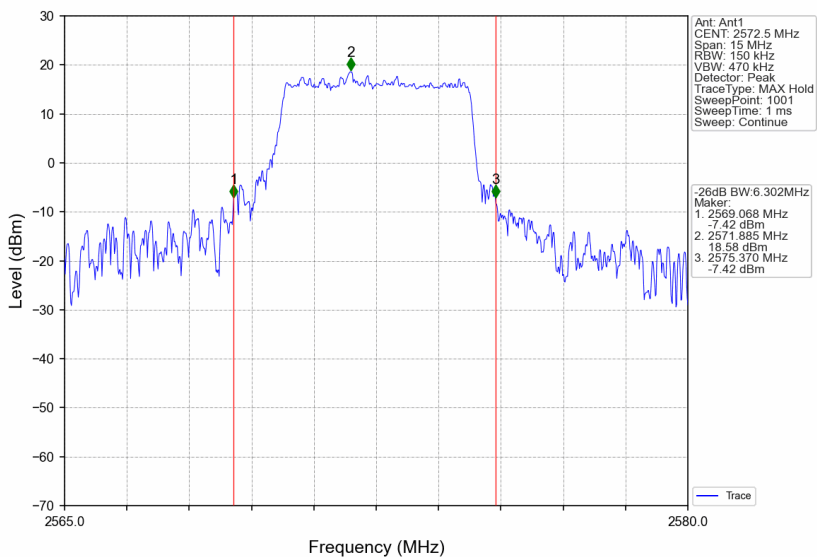


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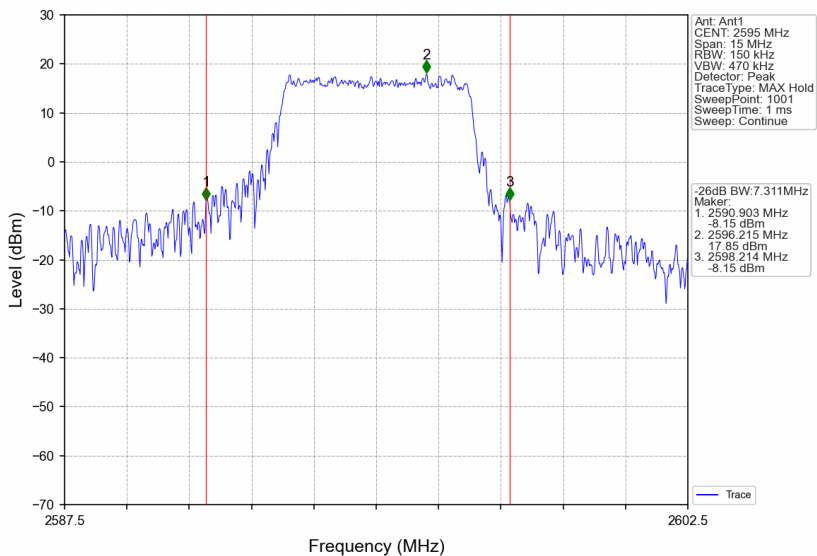
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Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



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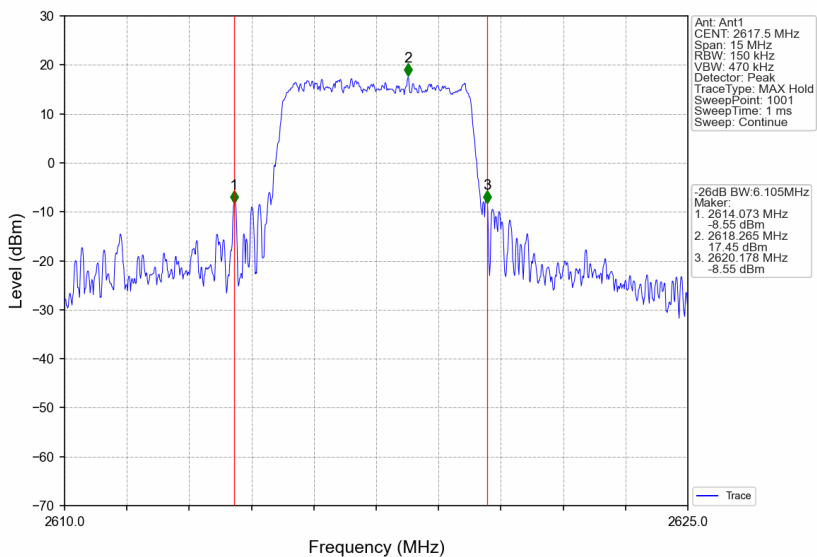
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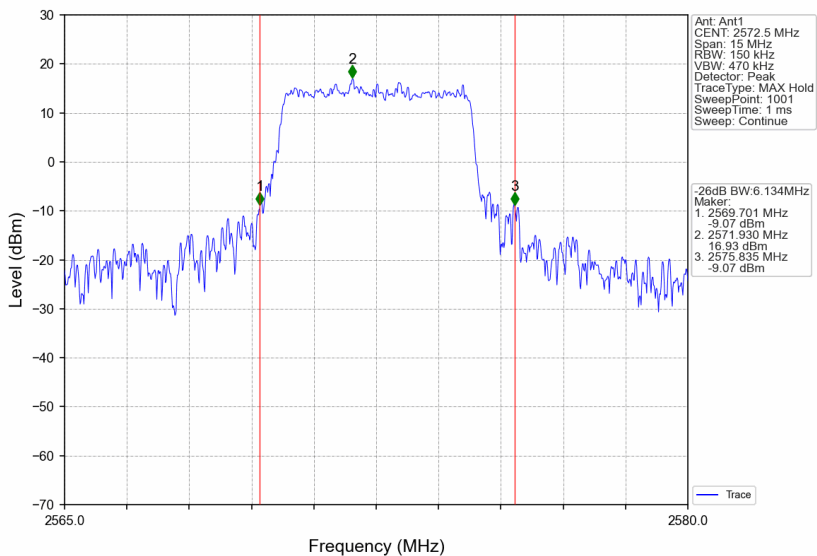
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Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_256QAM_LCH_2572.5MHz_RB_25_0_NTNV



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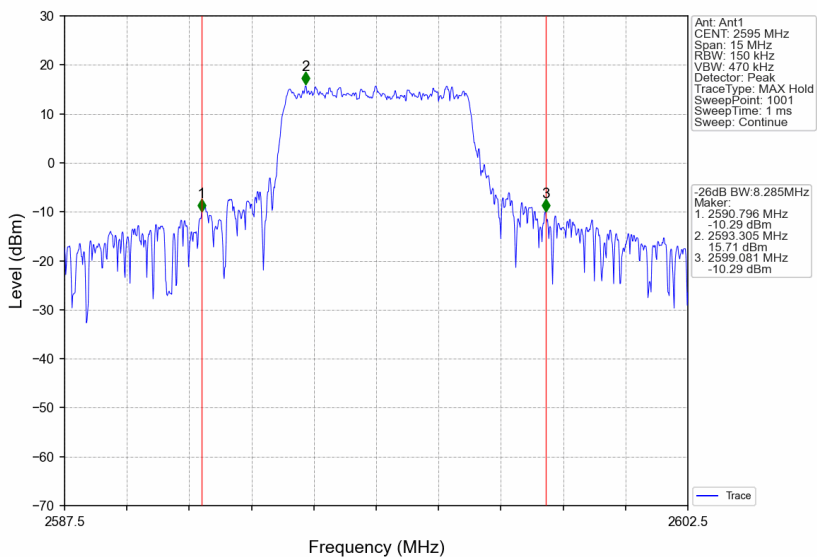
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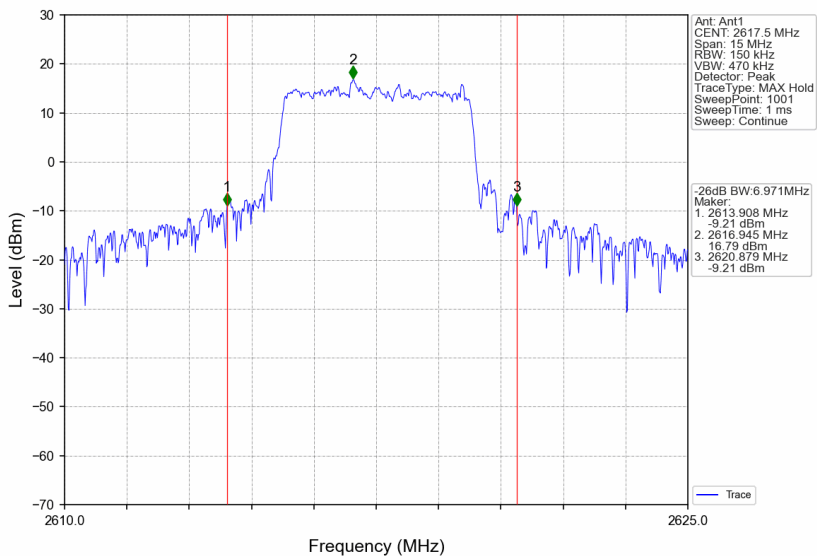
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Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



Band38_5MHz_256QAM_HCH_2617.5MHz_RB_25_0_NTNV



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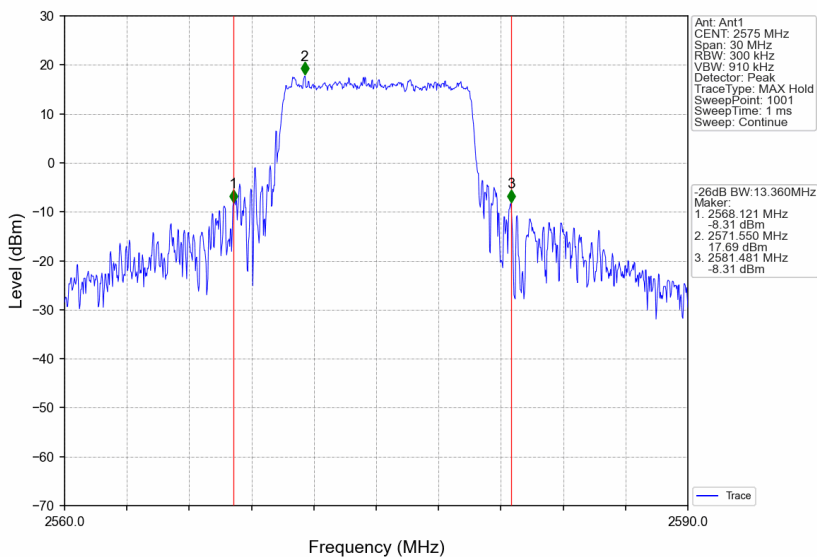
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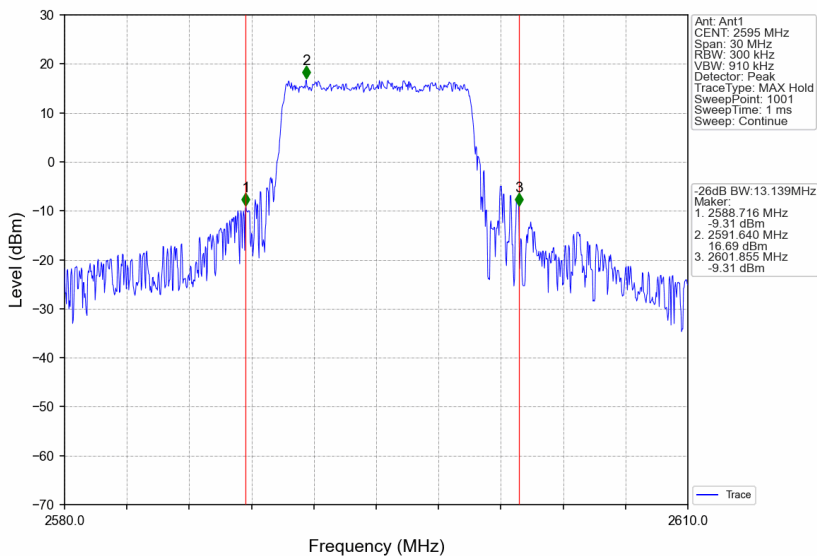
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Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



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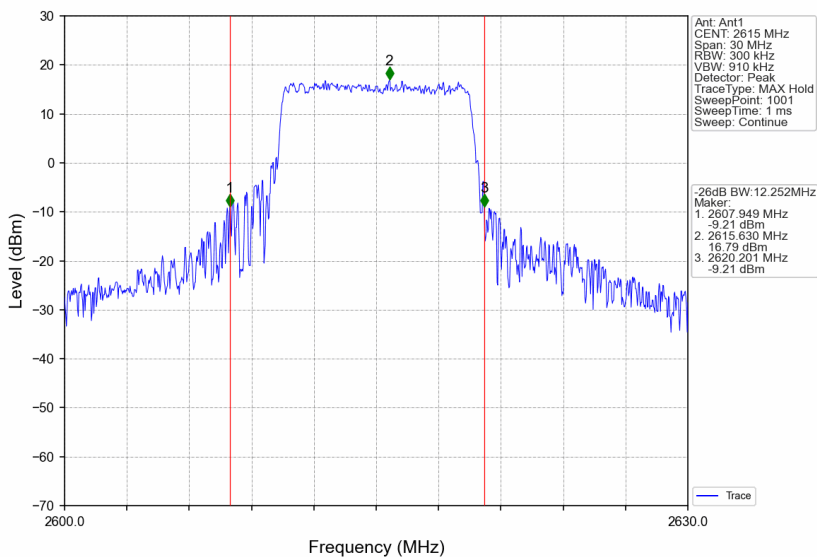
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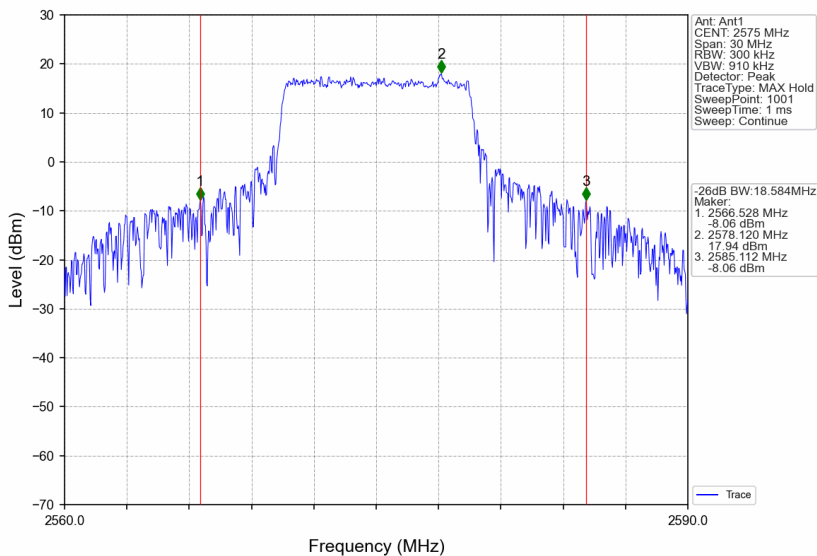
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Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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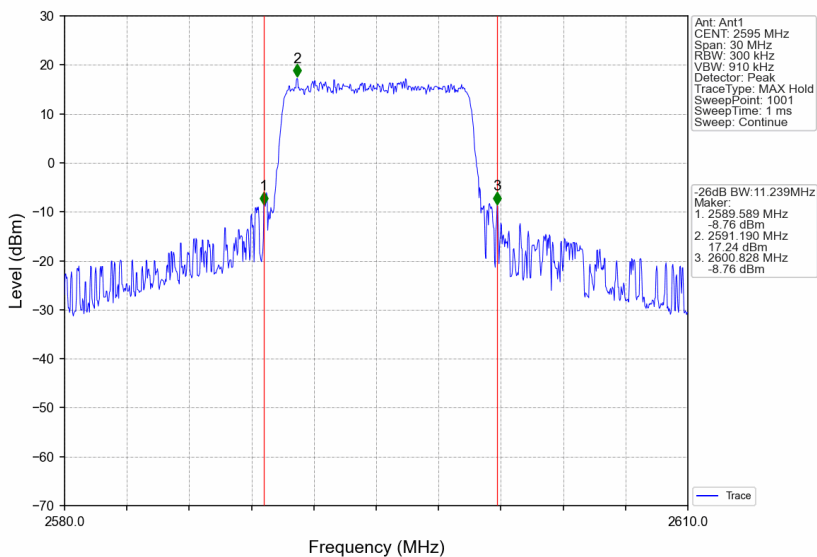
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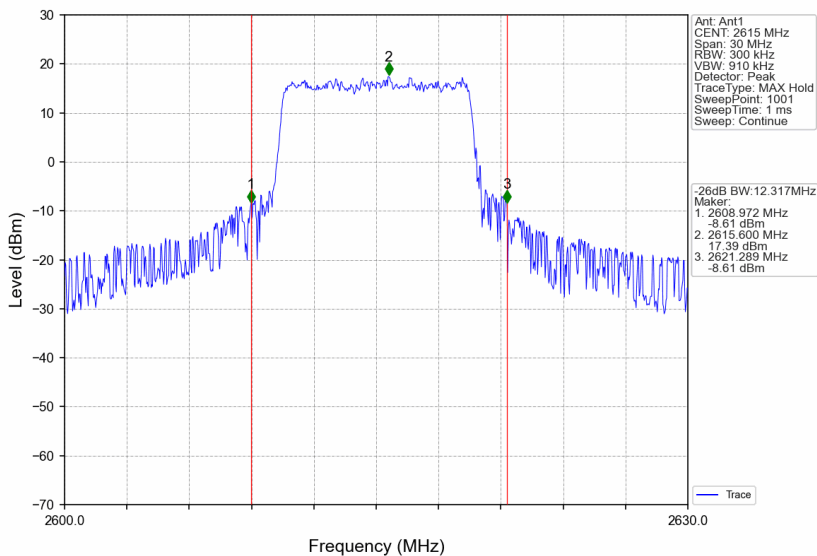
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Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTN



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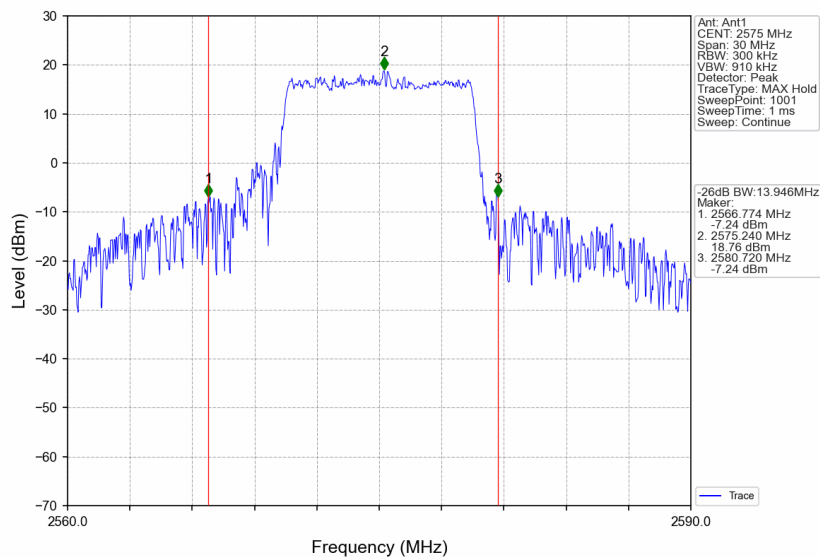
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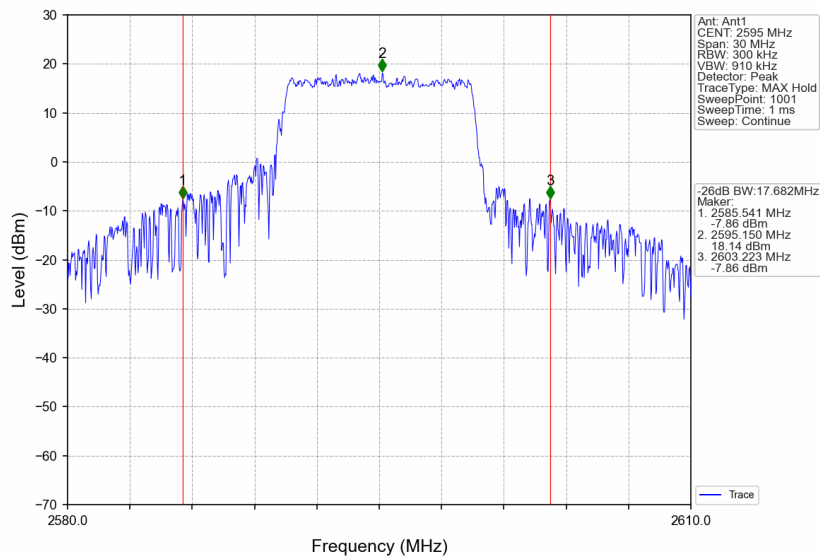
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Band38 10MHz 64QAM LCH 2575MHz RB 50 0 NTN



Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTN



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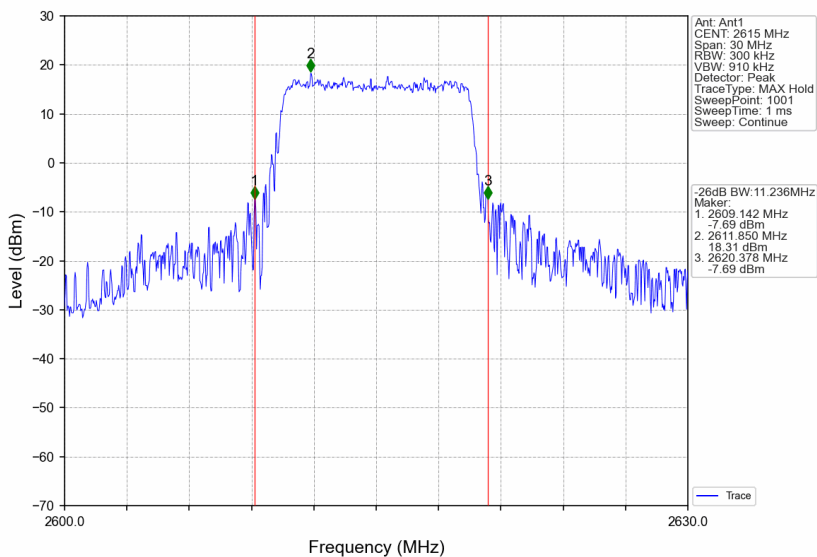
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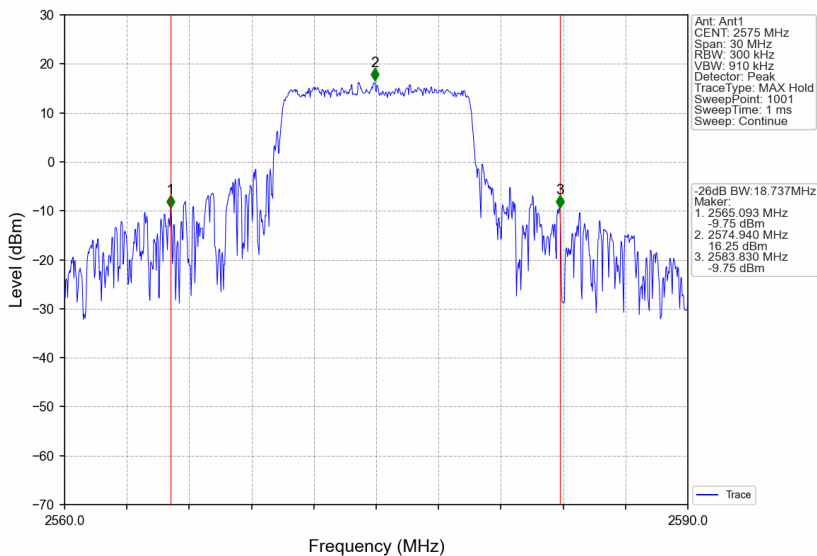
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Band38 10MHz 64QAM HCH 2615MHz RB 50 0 NTN



Band38 10MHz 256QAM LCH 2575MHz RB 50 0 NTN



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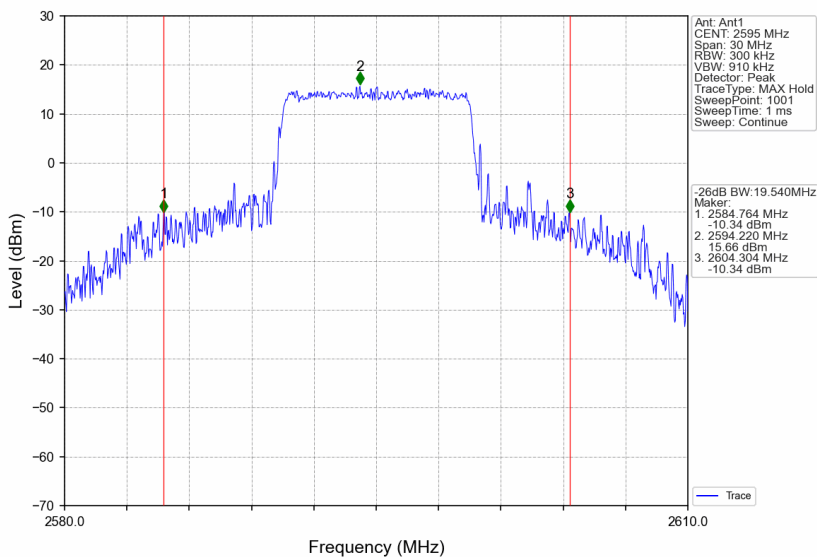
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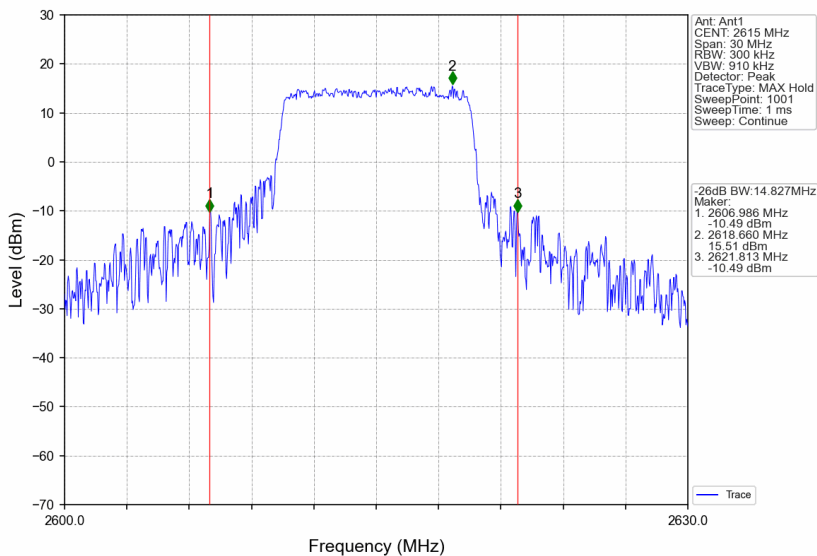
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Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



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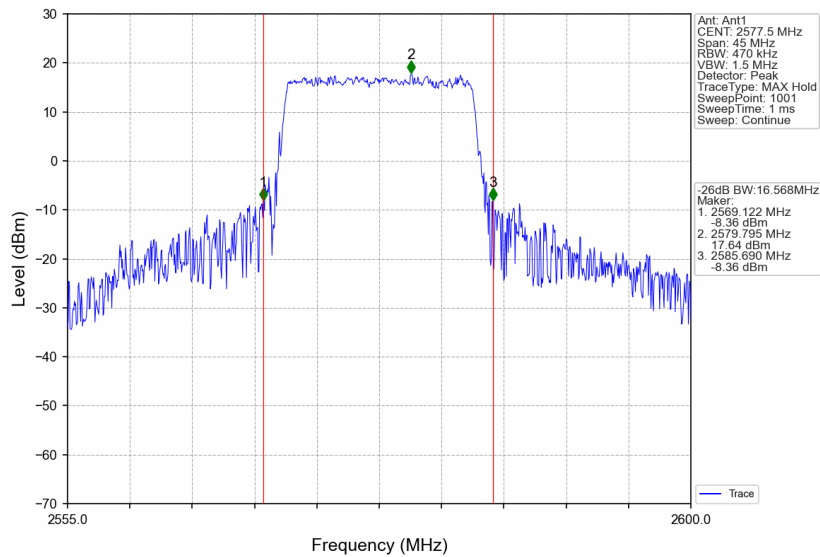
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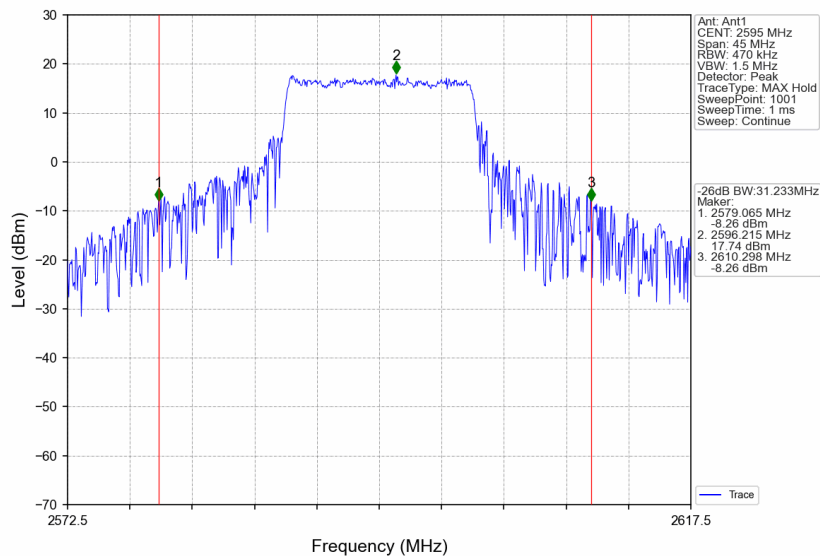
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Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



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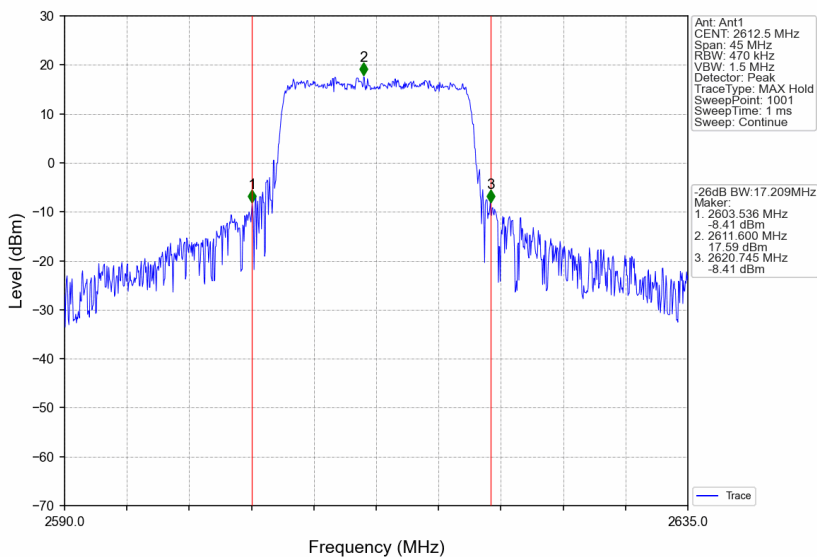
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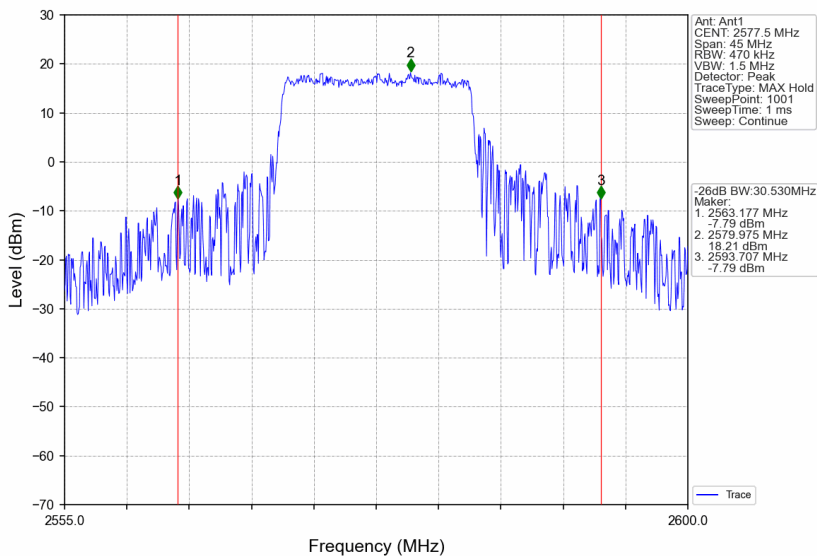
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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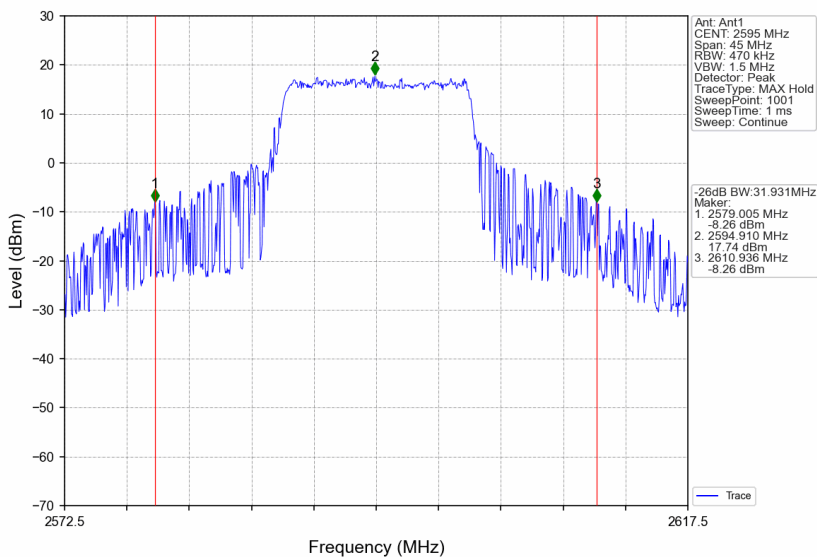
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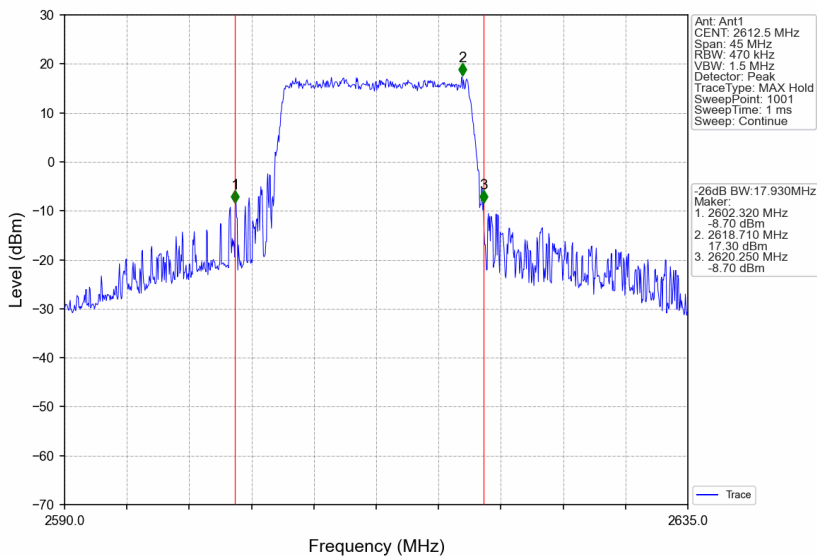
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Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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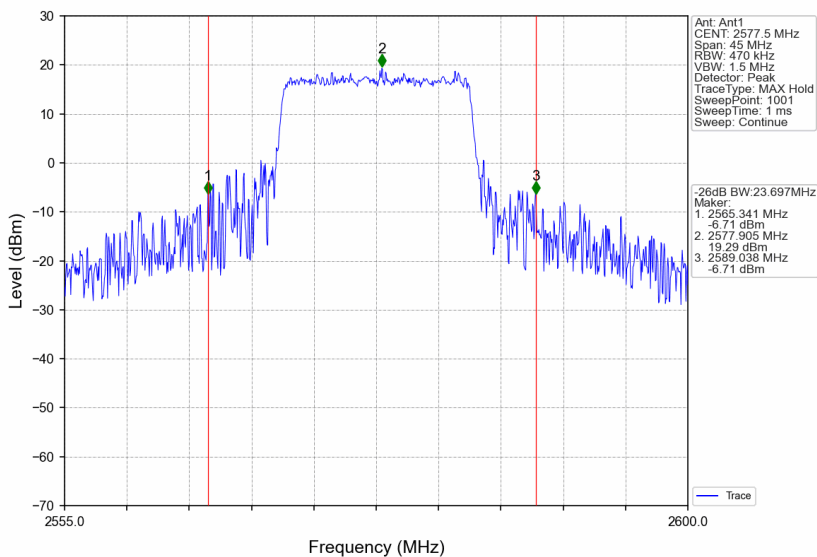
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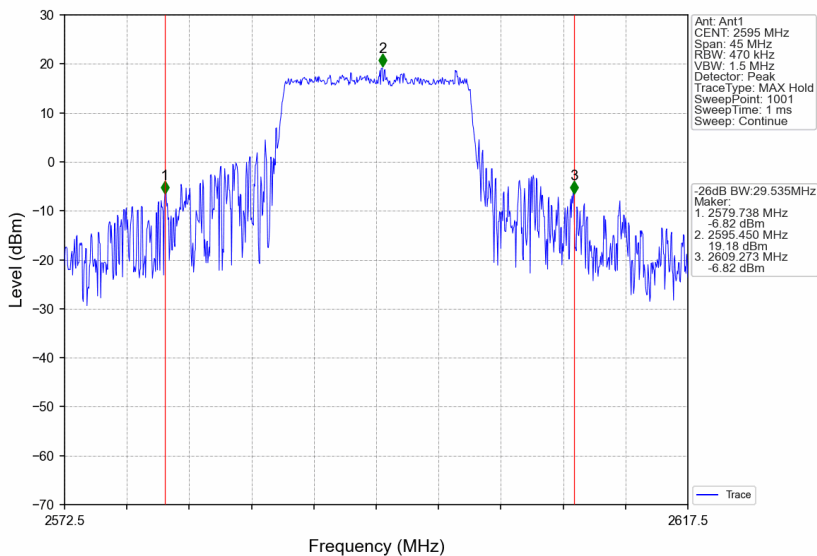
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



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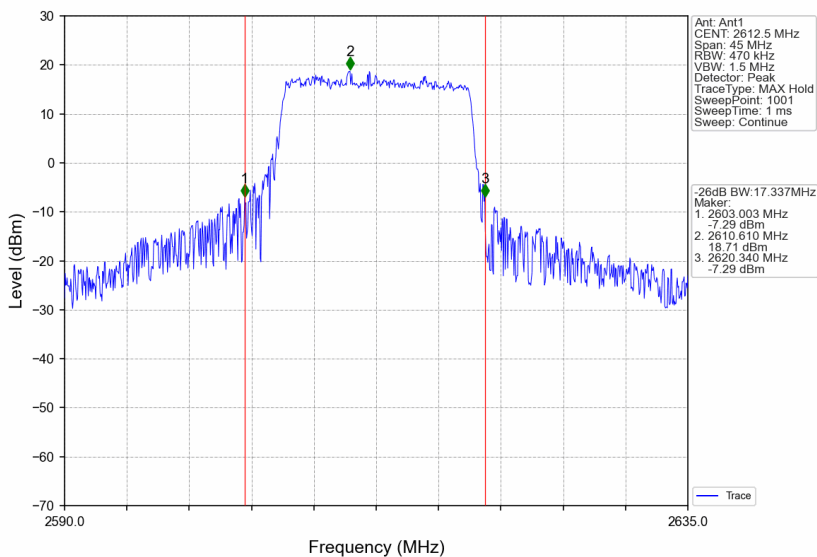
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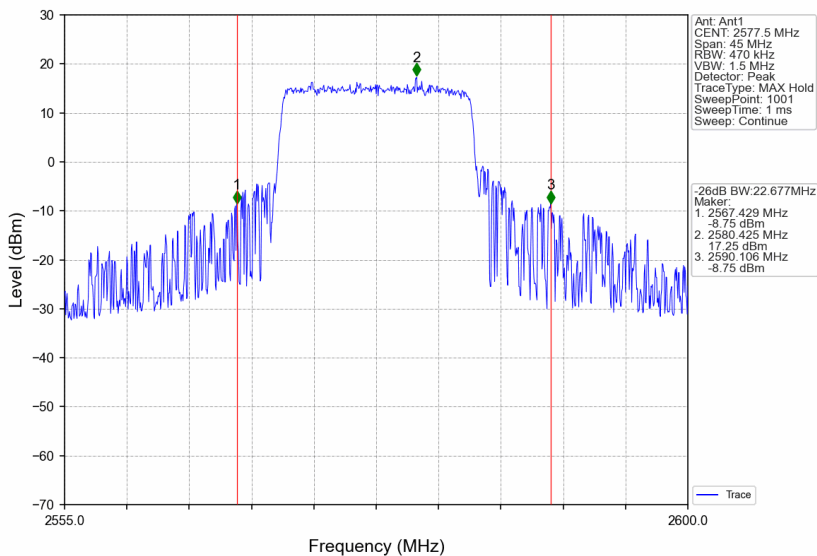
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



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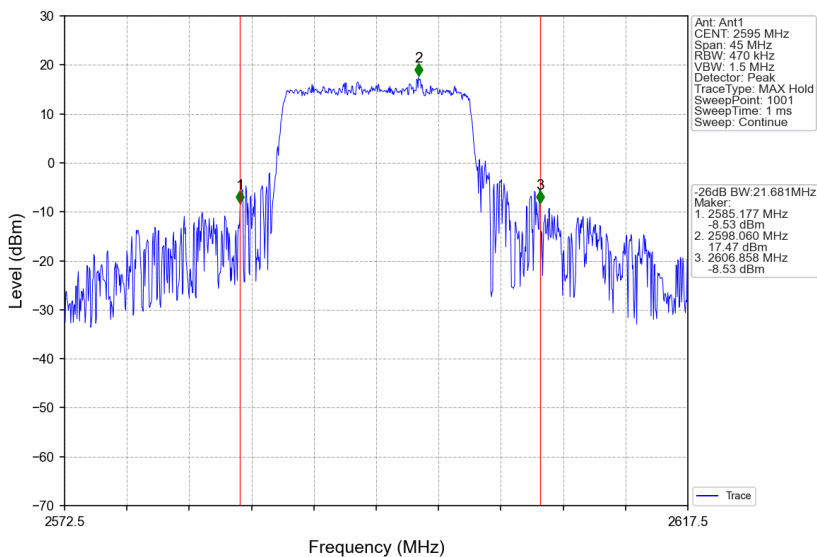
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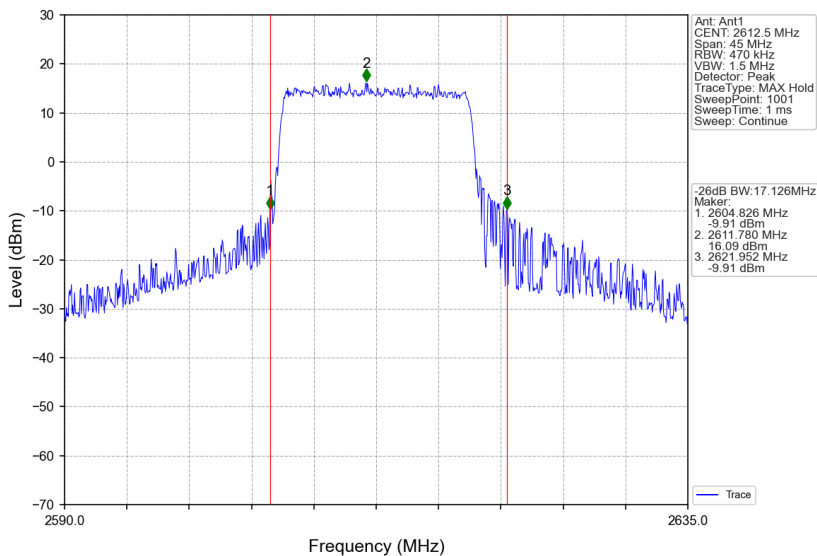
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Band38_15MHz_256QAM_HCH_2612.5MHz_RB_75_0_NTNV



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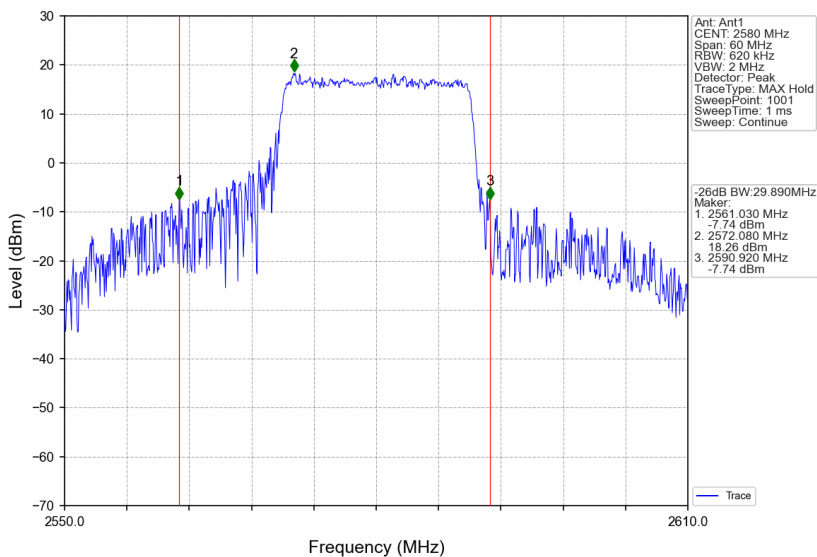
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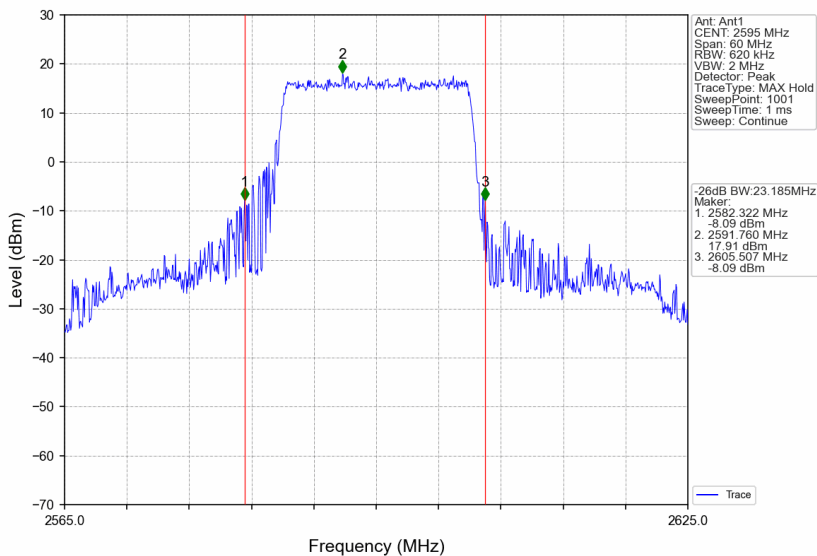
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Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTN



Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



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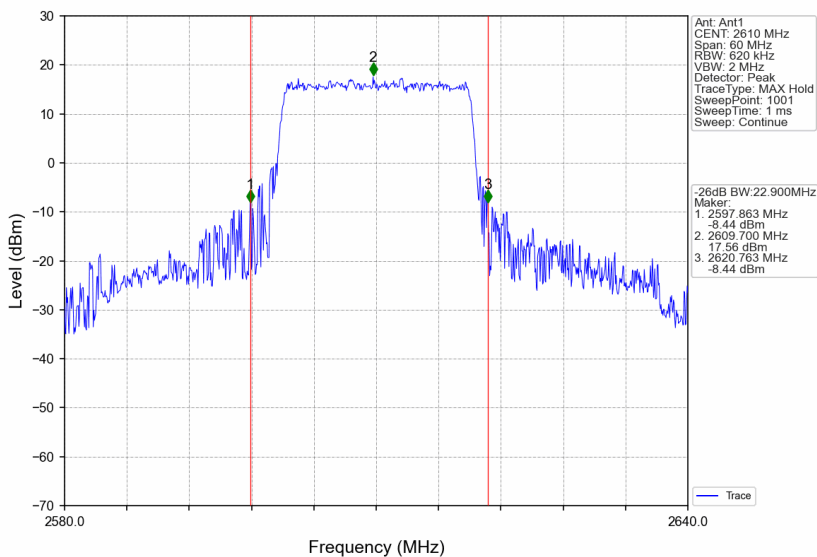
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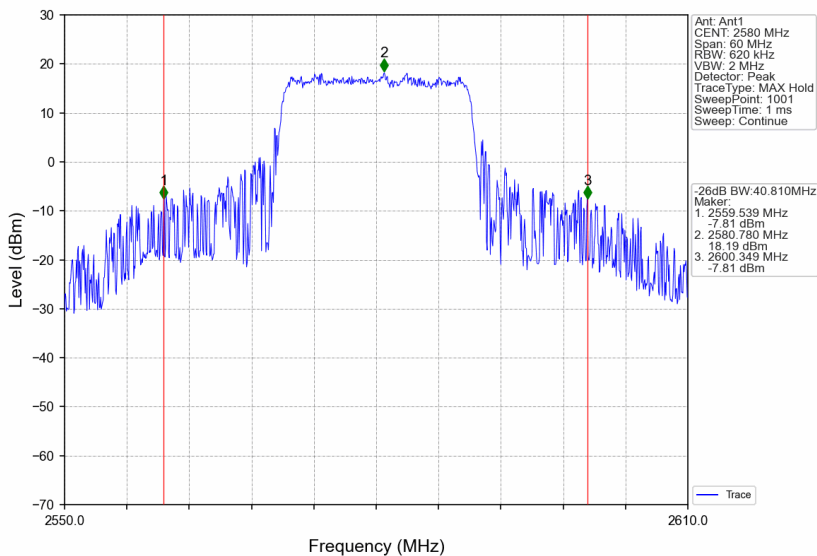
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Band38 20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38 20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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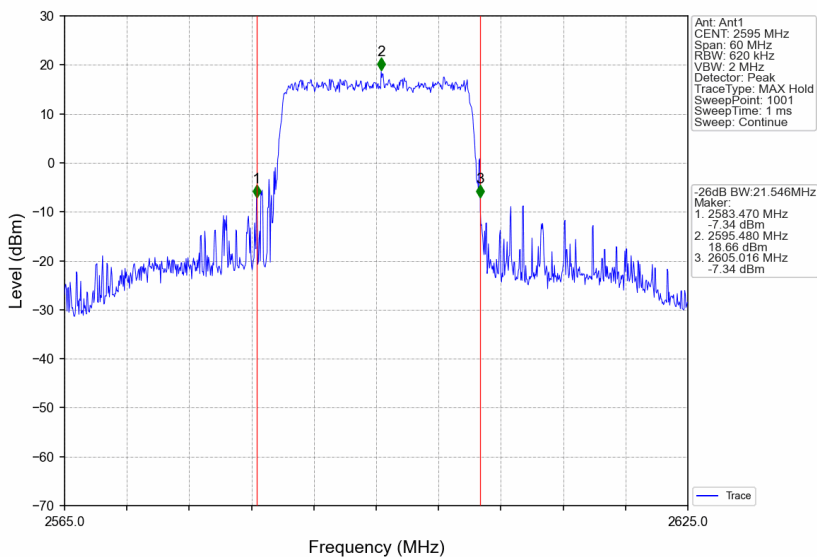
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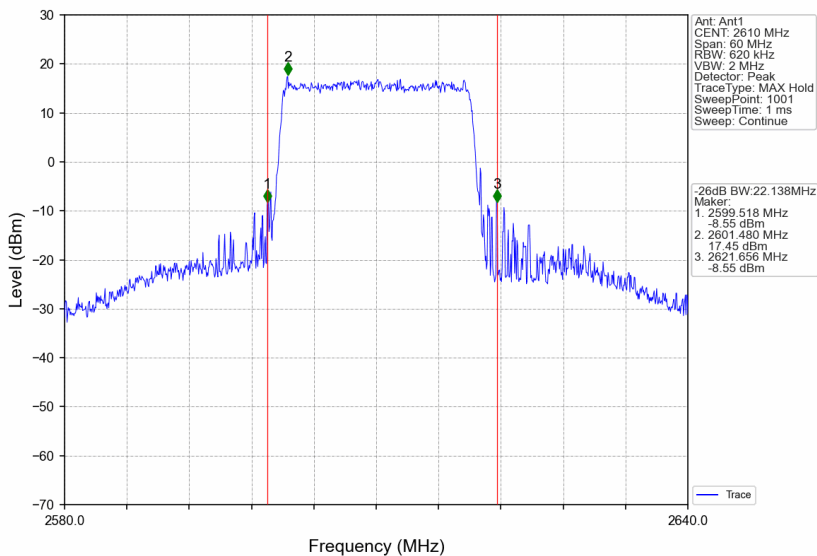
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Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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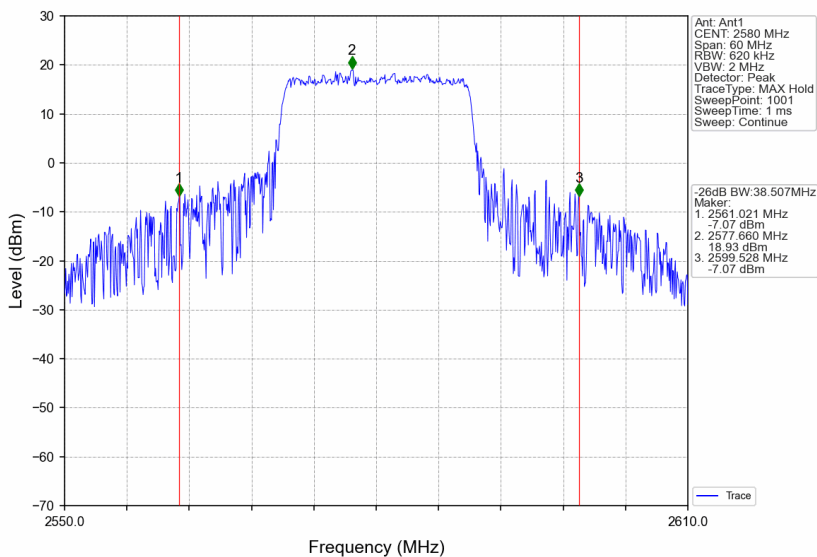
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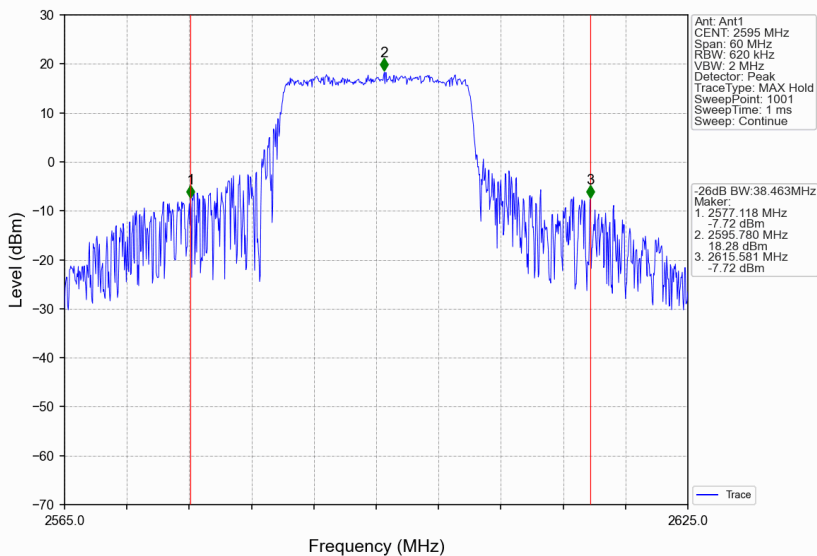
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Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



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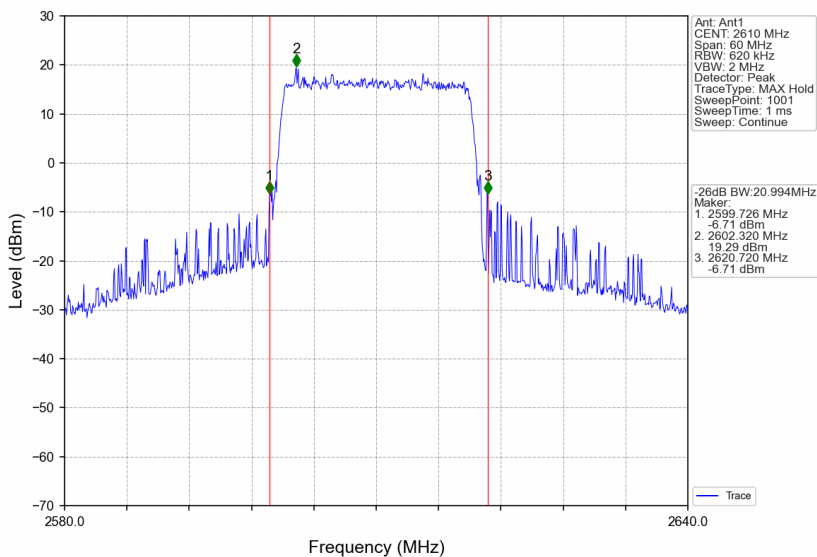
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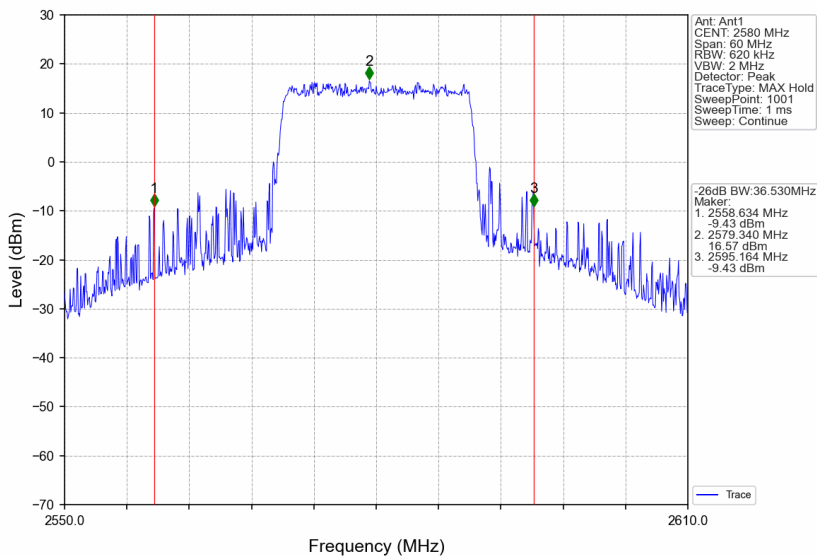
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Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV



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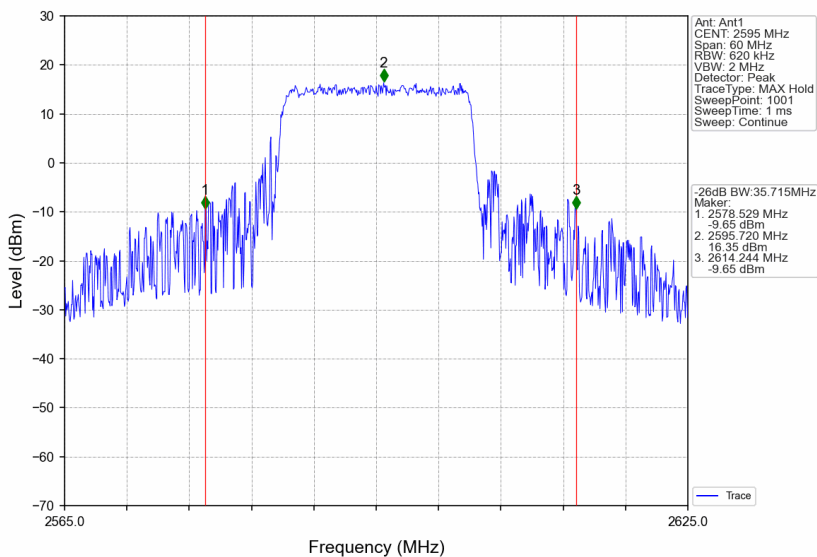
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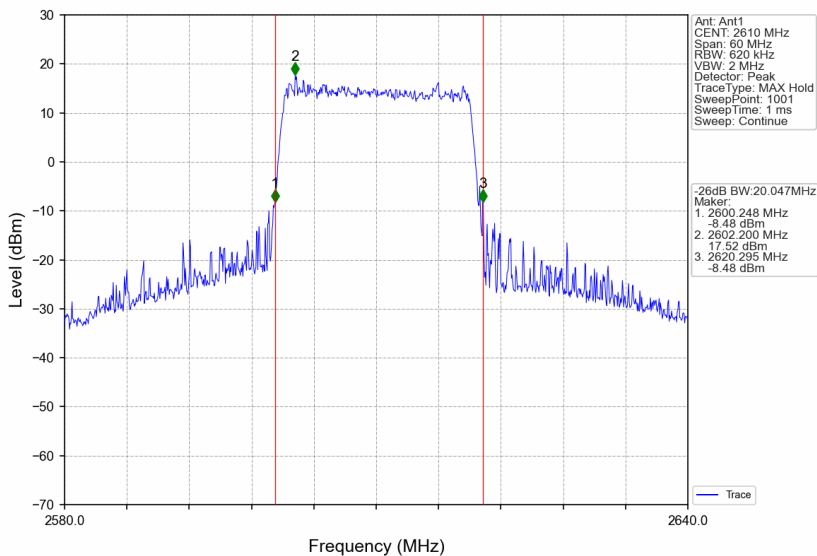
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Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 256QAM HCH 2610MHz RB 100 0 NTN



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4. Peak-Average Ratio

4.1 B38_5MHz

4.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.06	<=13	Pass
	2595	25	0	7.07	<=13	Pass
	2617.5	25	0	7.29	<=13	Pass
16QAM	2572.5	25	0	7.65	<=13	Pass
	2595	25	0	7.83	<=13	Pass
	2617.5	25	0	8.04	<=13	Pass
64QAM	2572.5	25	0	8.19	<=13	Pass
	2595	25	0	8.15	<=13	Pass
	2617.5	25	0	8.40	<=13	Pass
256QAM	2572.5	25	0	8.75	<=13	Pass
	2595	25	0	8.81	<=13	Pass
	2617.5	25	0	8.86	<=13	Pass



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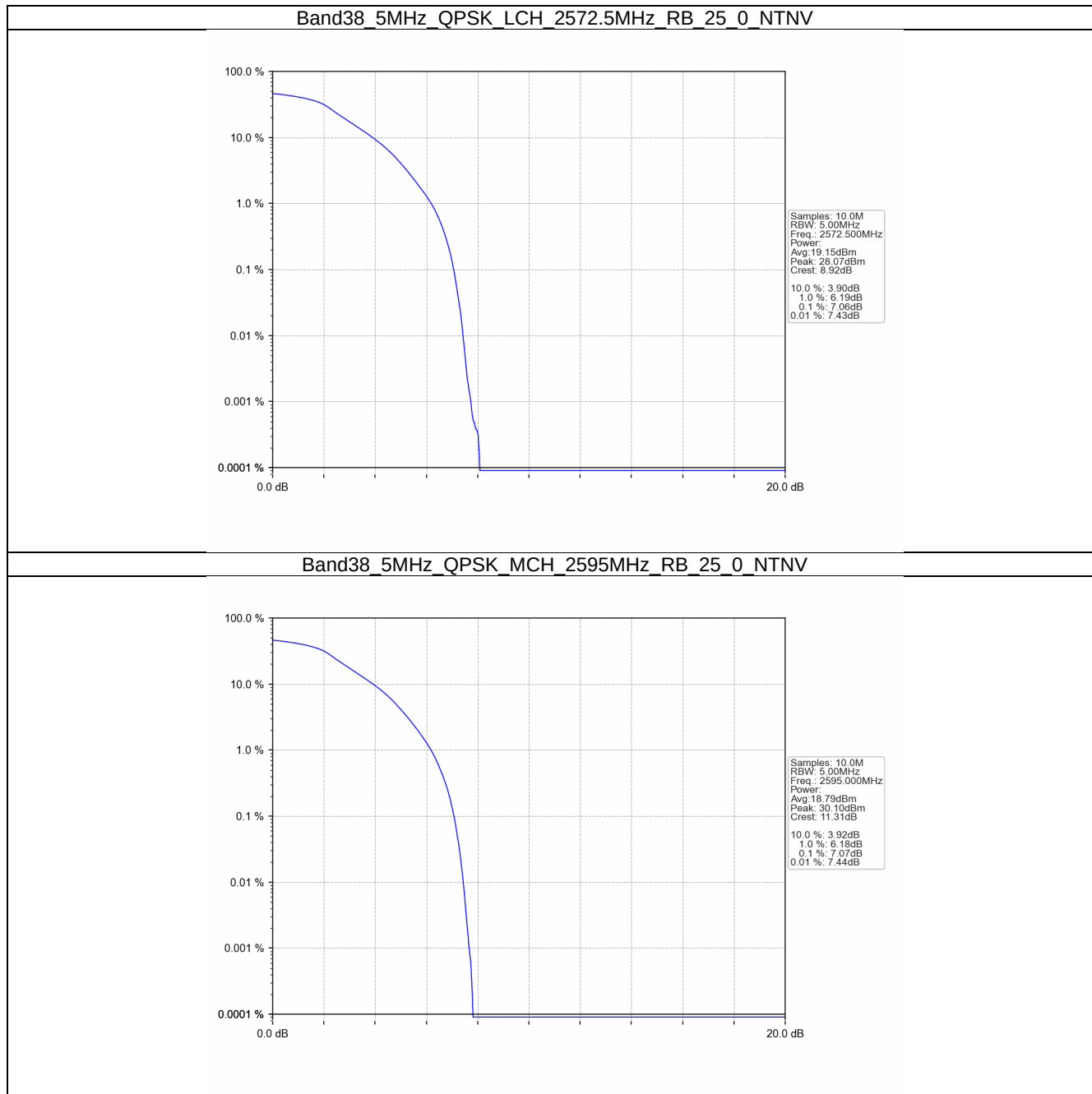
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4.1.2 Test Graph



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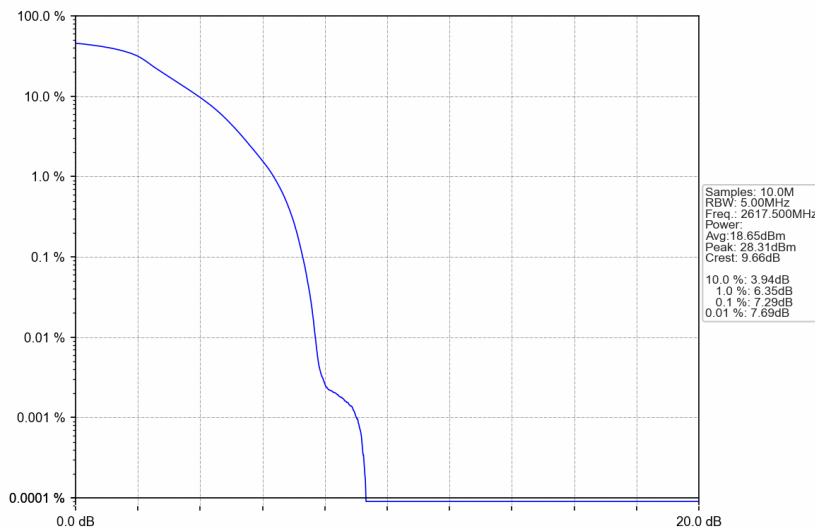
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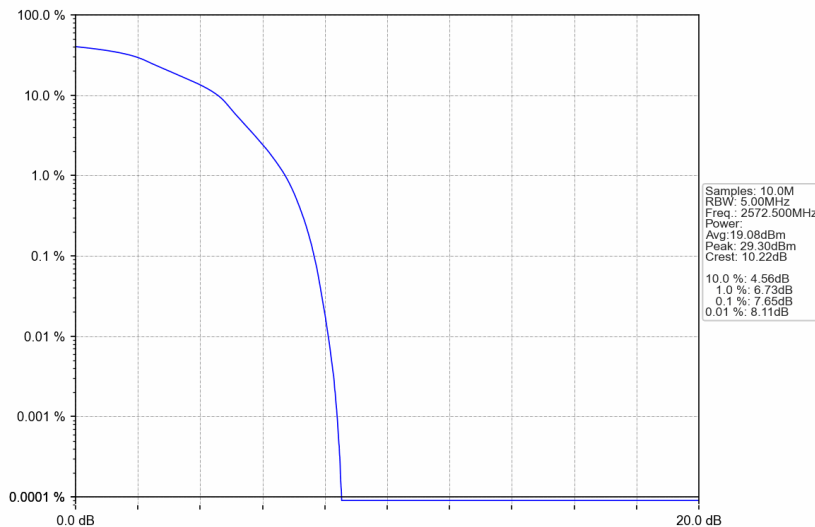
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



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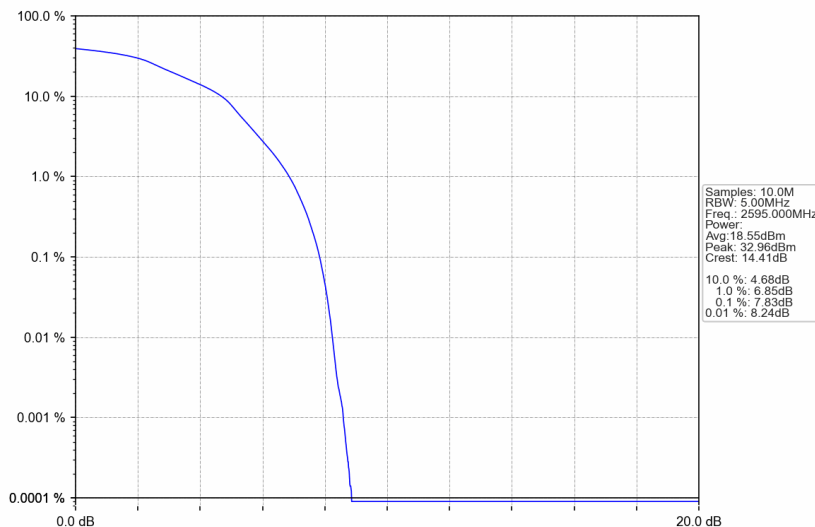
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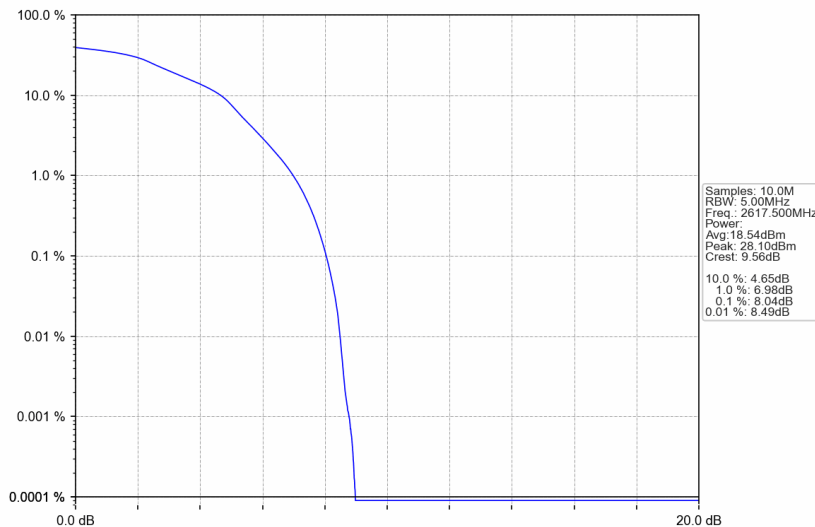
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Band38 5MHz 16QAM MCH 2595MHz RB 25 0 NTN



Band38 5MHz 16QAM HCH 2617.5MHz RB 25 0 NTN



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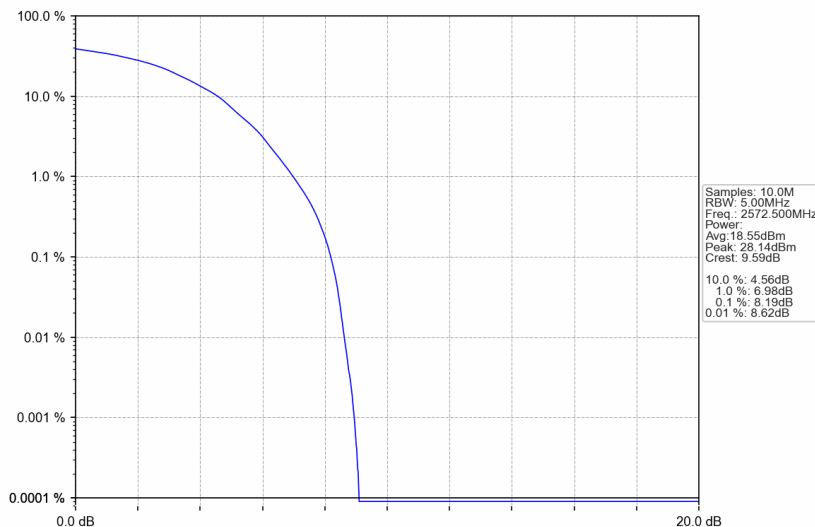
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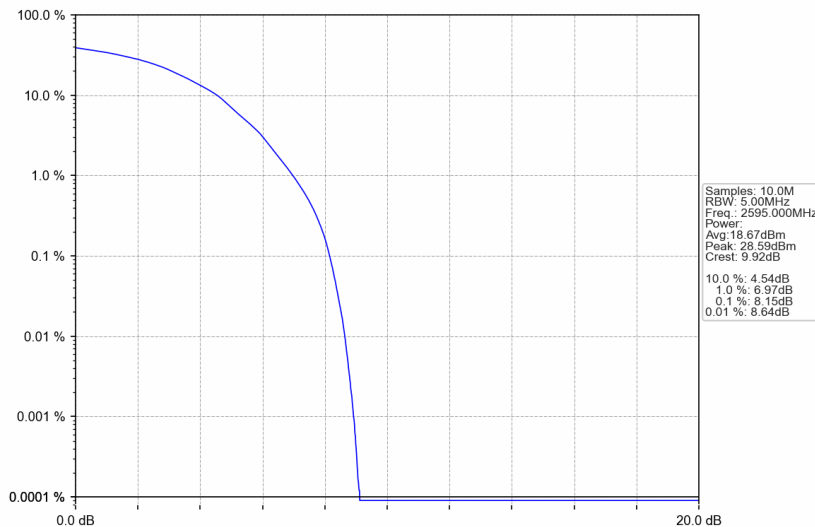
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Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



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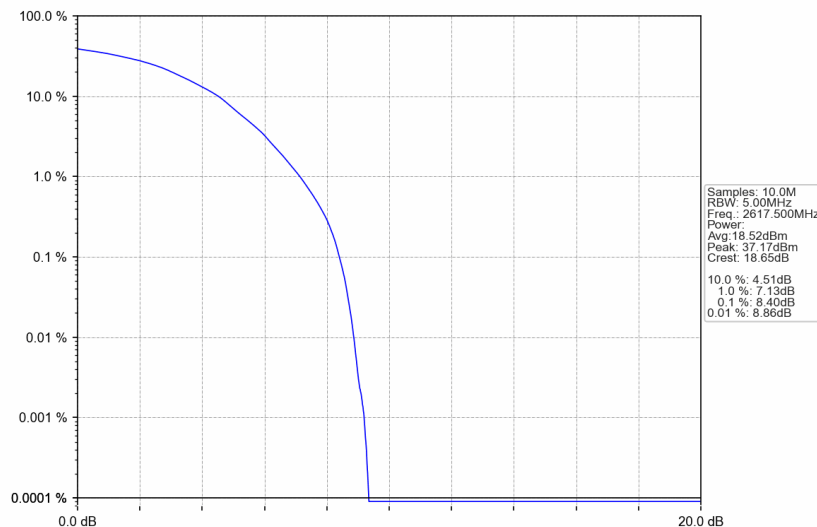
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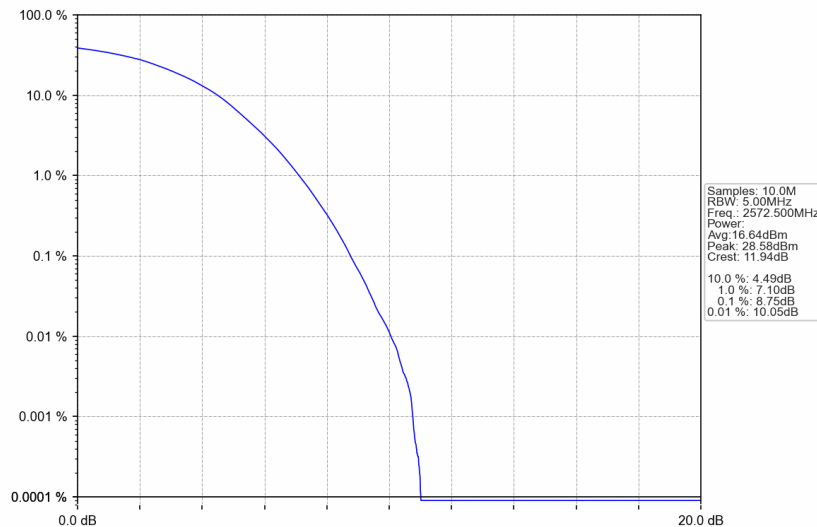
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Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_256QAM_LCH_2572.5MHz_RB_25_0_NTNV



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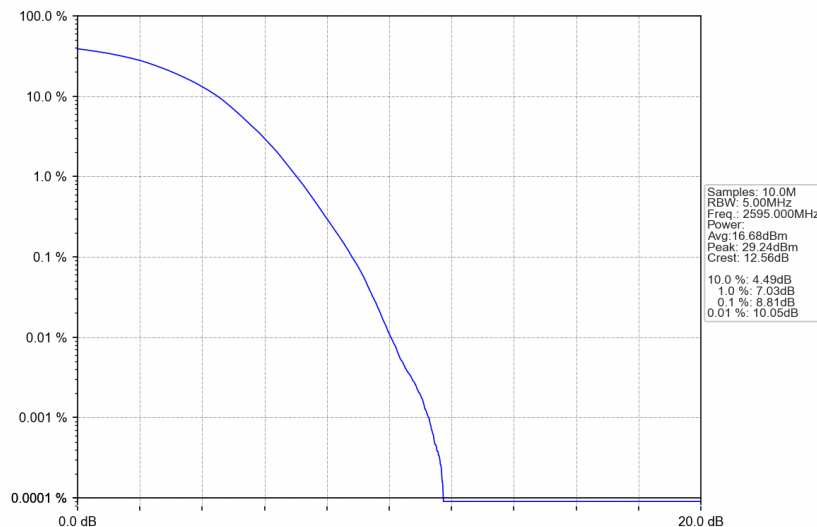
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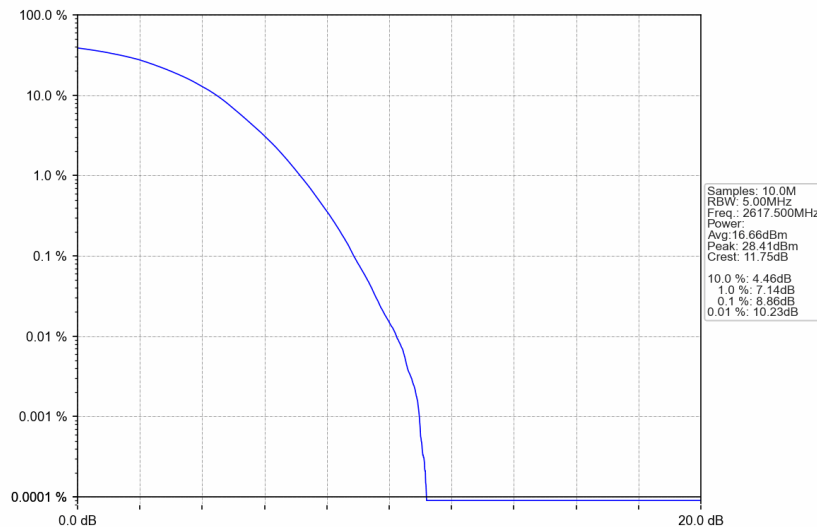
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Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



Band38_5MHz_256QAM_HCH_2617.5MHz_RB_25_0_NTNV



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4.2 B38_10MHz

4.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	6.75	<=13	Pass
	2595	50	0	7.25	<=13	Pass
	2615	50	0	7.26	<=13	Pass
16QAM	2575	50	0	7.72	<=13	Pass
	2595	50	0	7.90	<=13	Pass
	2615	50	0	7.87	<=13	Pass
64QAM	2575	50	0	8.18	<=13	Pass
	2595	50	0	8.21	<=13	Pass
	2615	50	0	8.31	<=13	Pass
256QAM	2575	50	0	8.50	<=13	Pass
	2595	50	0	8.48	<=13	Pass
	2615	50	0	8.82	<=13	Pass



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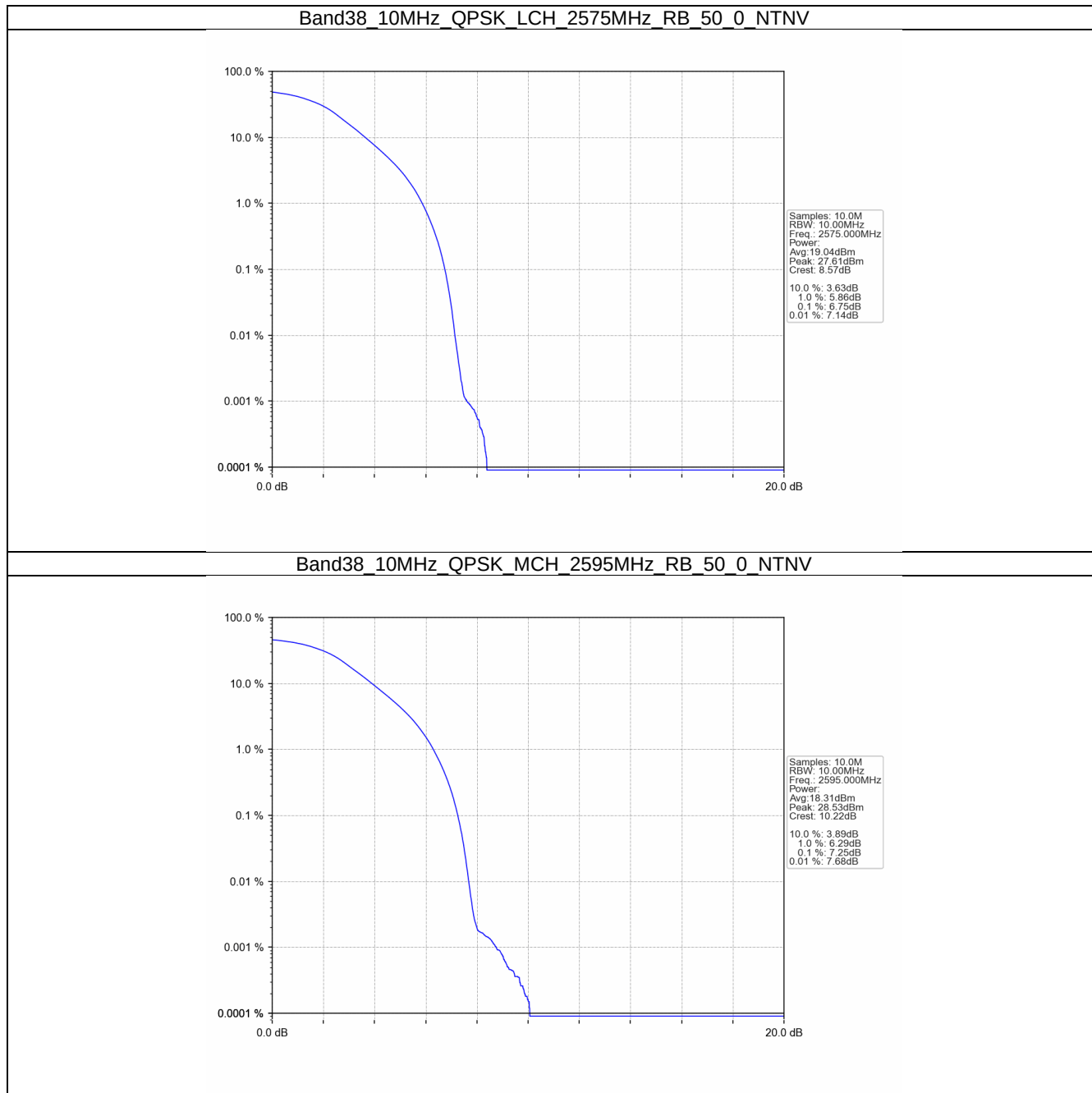
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4.2.2 Test Graph



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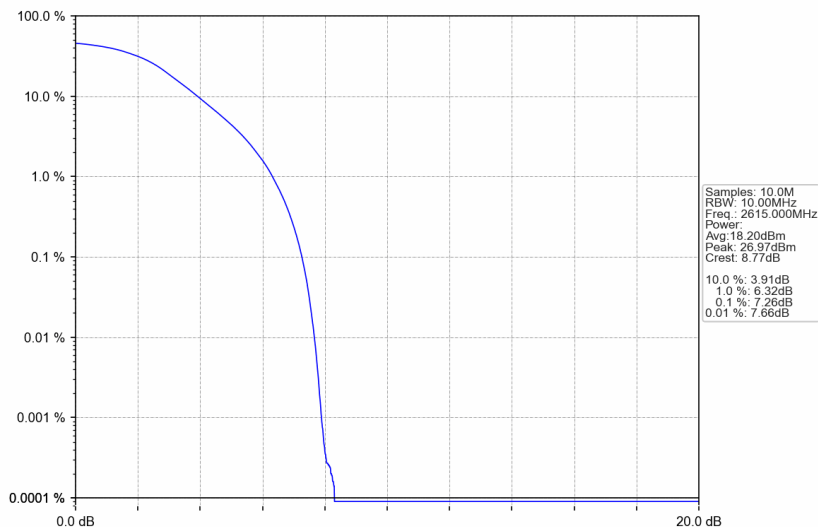
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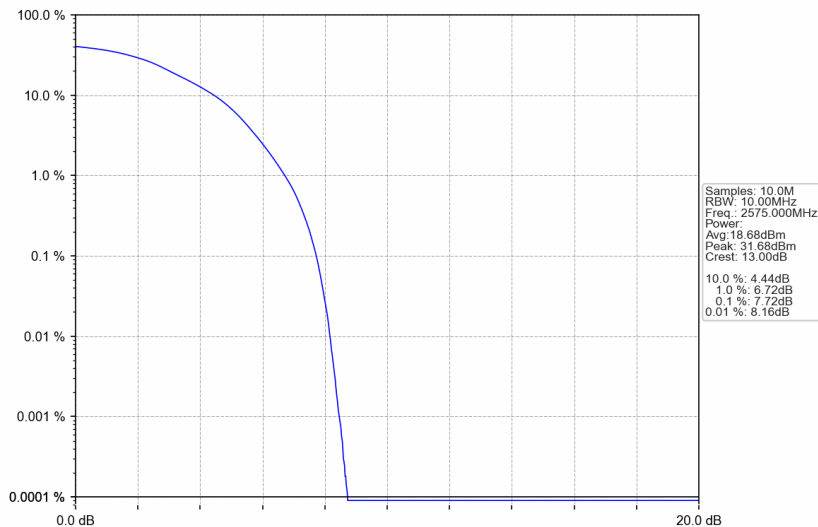
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Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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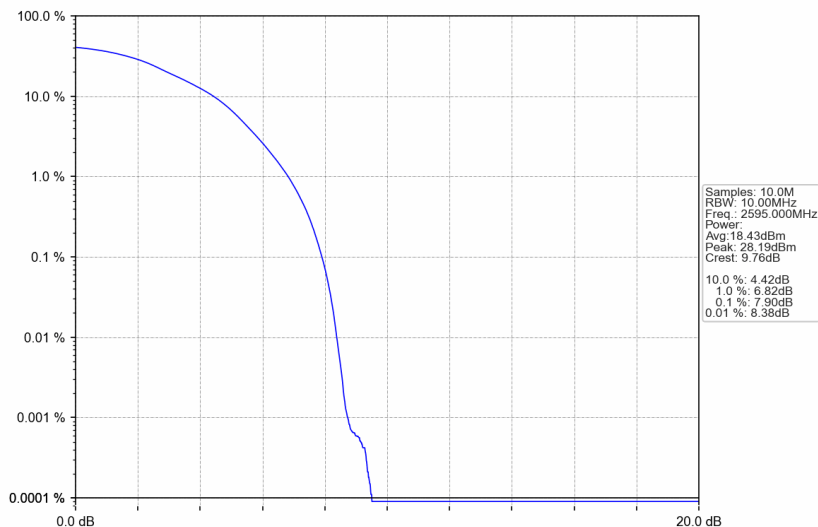
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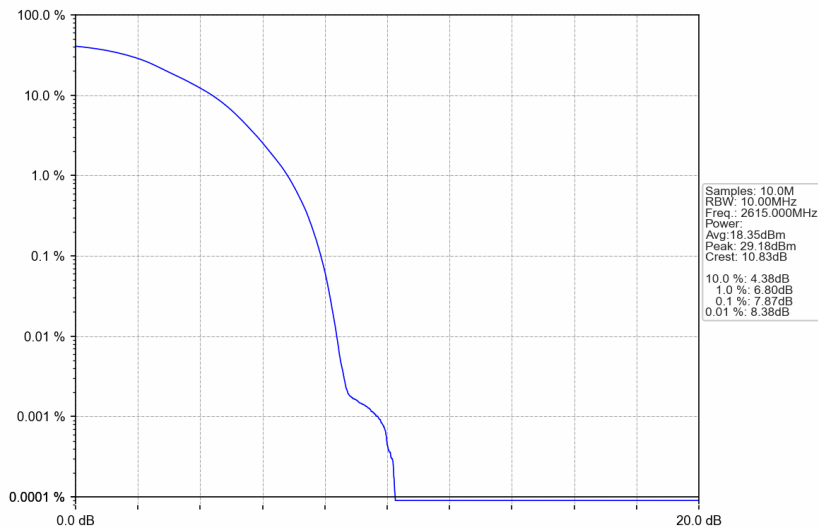
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Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



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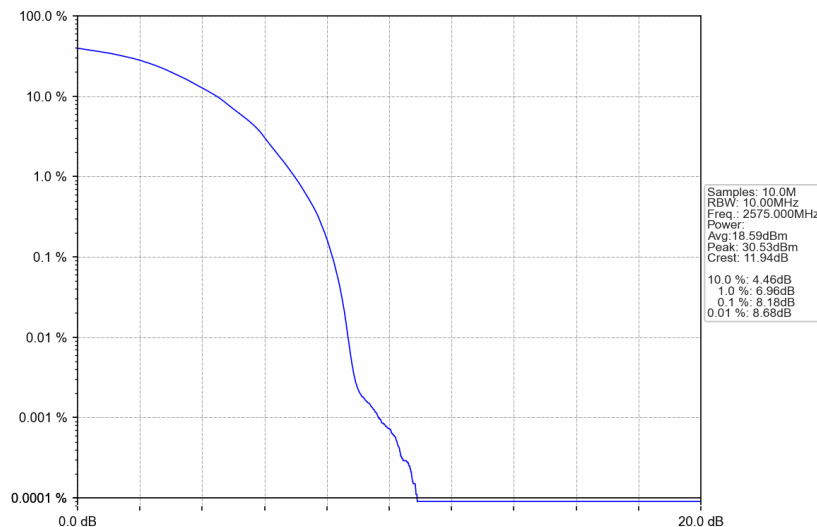
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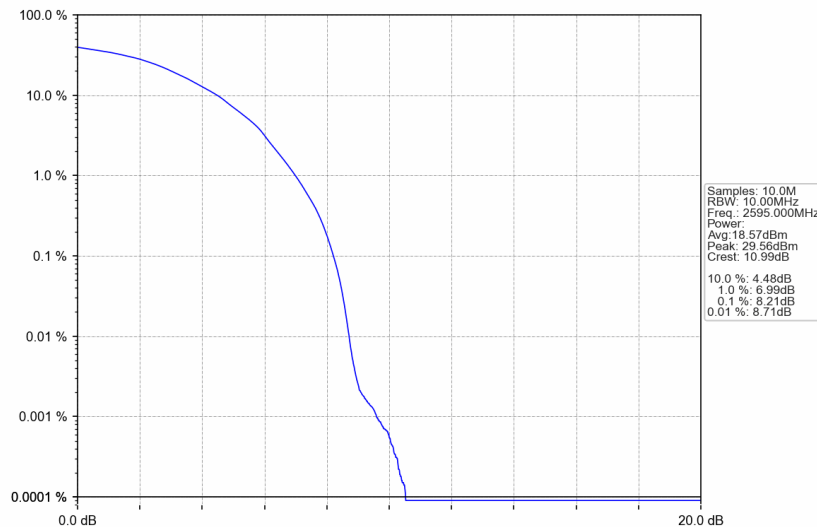
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Band38 10MHz 64QAM LCH 2575MHz RB 50 0 NTN



Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTN



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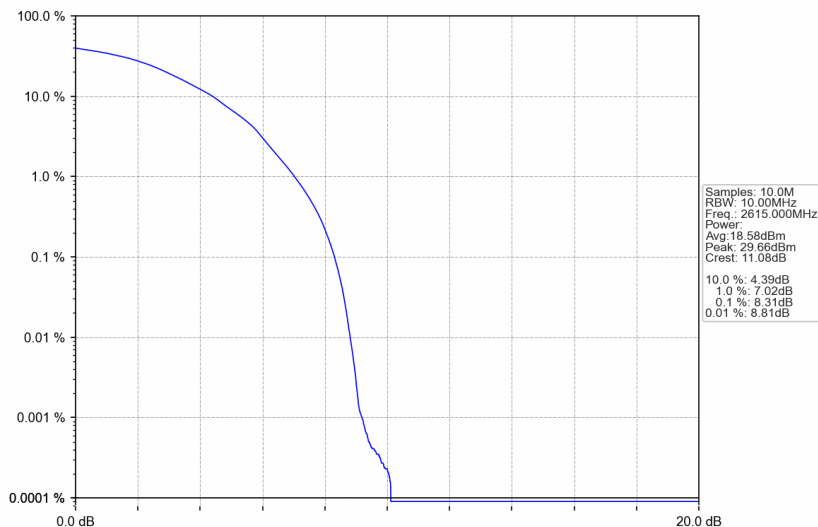
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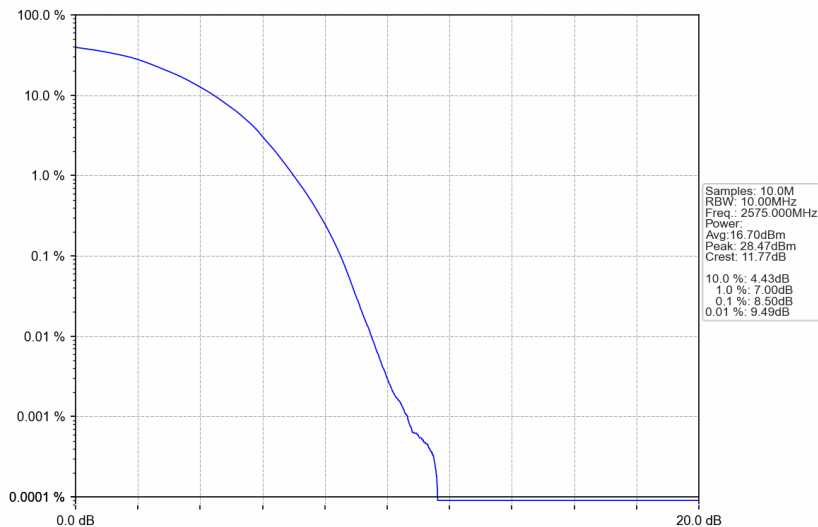
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Band38_10MHz_256QAM_LCH_2575MHz_RB_50_0_NTNV



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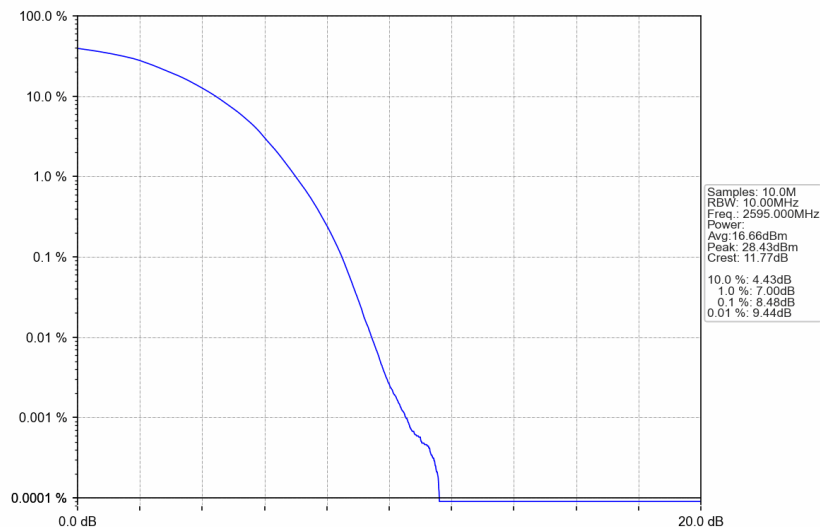
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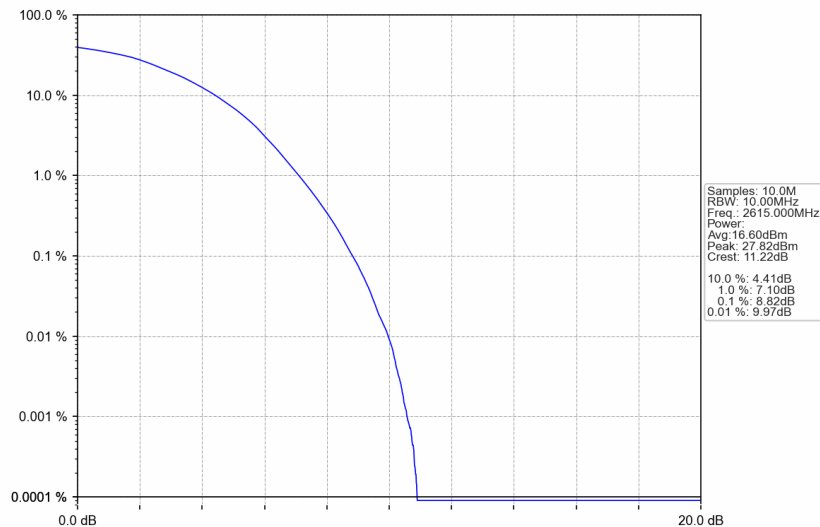
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Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



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4.3 B38_15MHz

4.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.26	<=13	Pass
	2595	75	0	7.29	<=13	Pass
	2612.5	75	0	7.37	<=13	Pass
16QAM	2577.5	75	0	8.34	<=13	Pass
	2595	75	0	8.19	<=13	Pass
	2612.5	75	0	8.42	<=13	Pass
64QAM	2577.5	75	0	8.06	<=13	Pass
	2595	75	0	8.08	<=13	Pass
	2612.5	75	0	8.44	<=13	Pass
256QAM	2577.5	75	0	8.62	<=13	Pass
	2595	75	0	8.76	<=13	Pass
	2612.5	75	0	8.84	<=13	Pass



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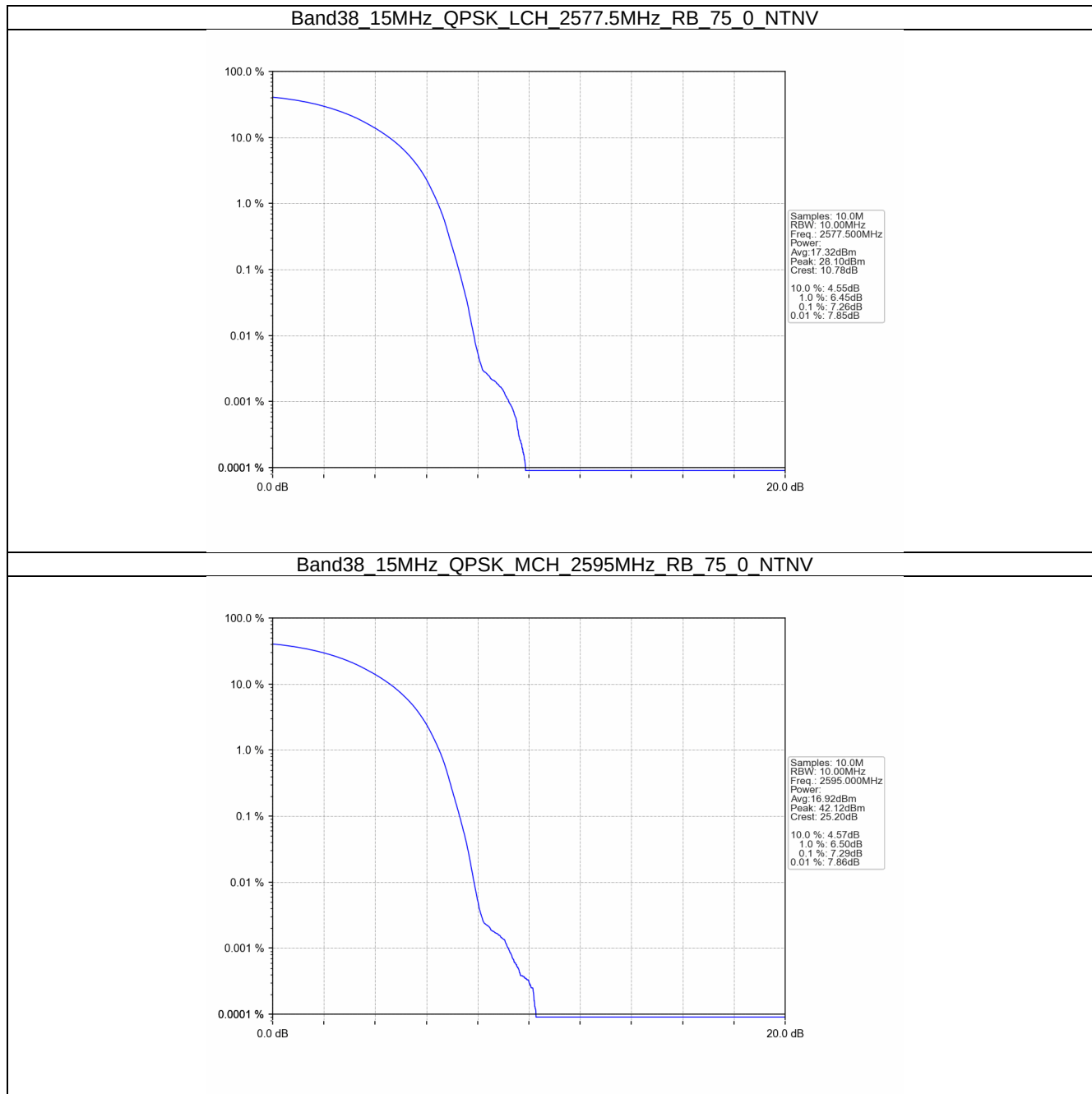
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4.3.2 Test Graph



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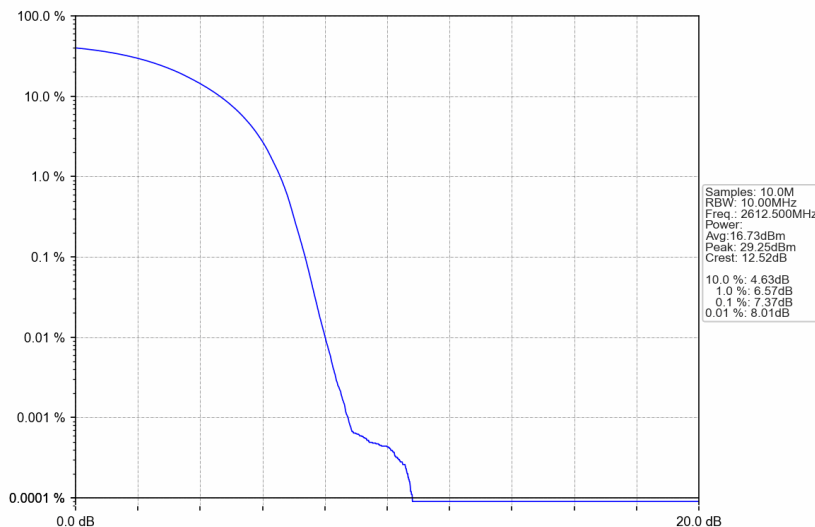
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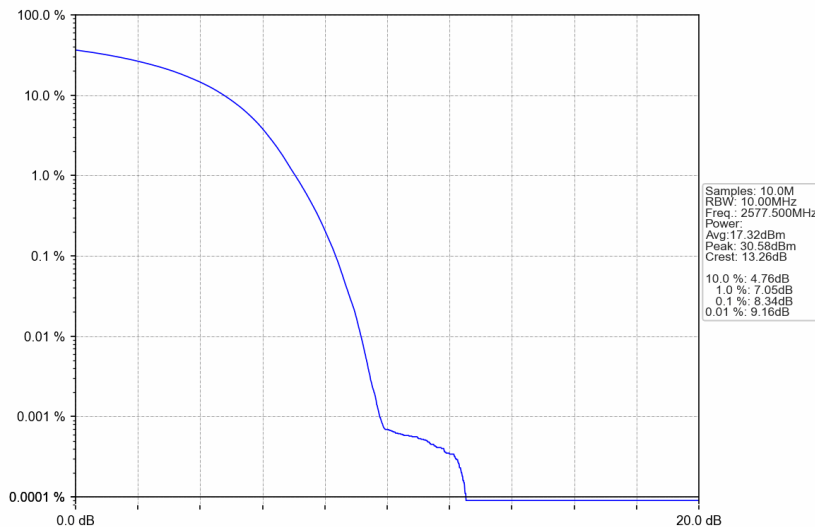
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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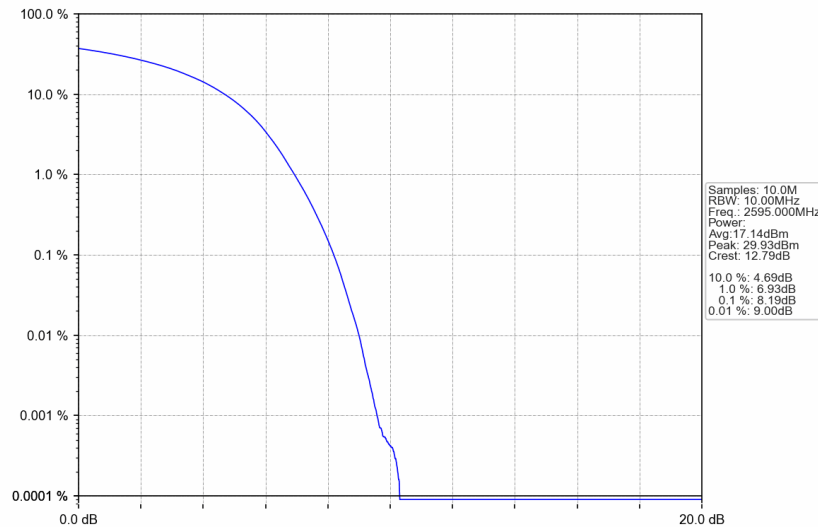
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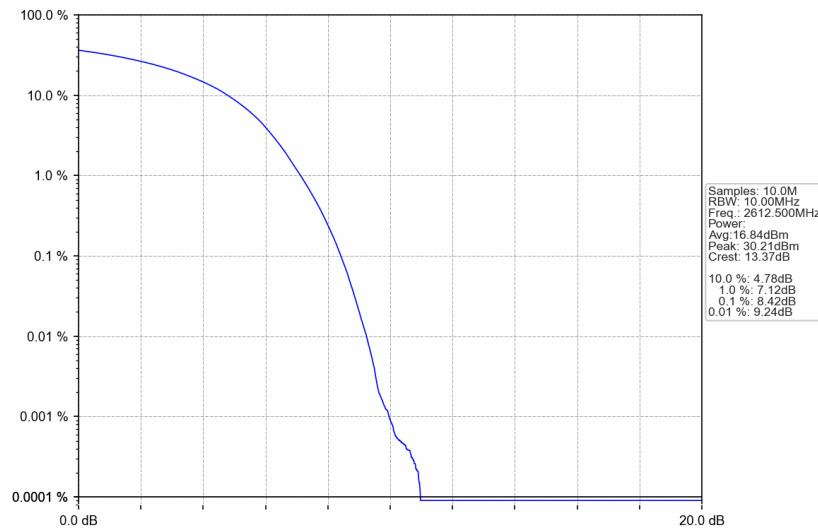
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Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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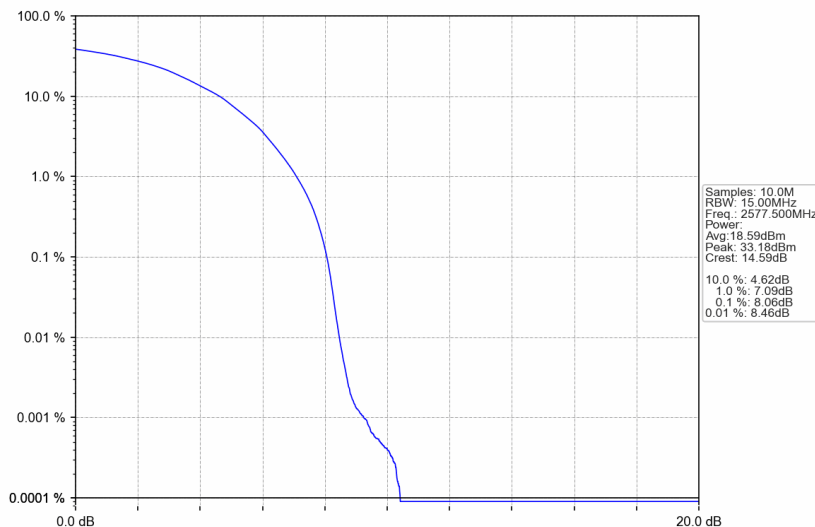
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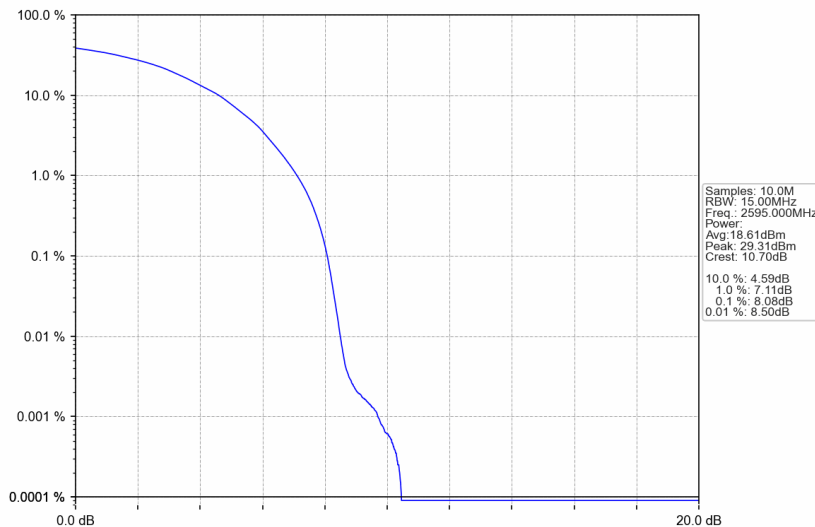
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Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



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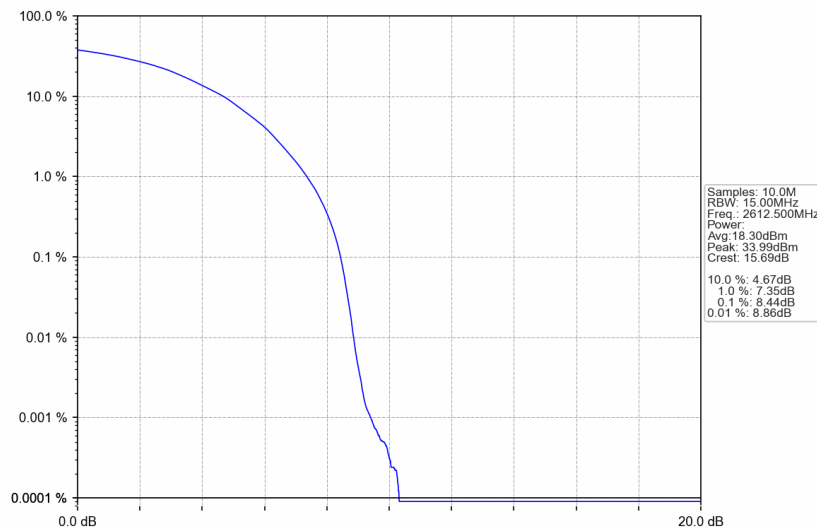
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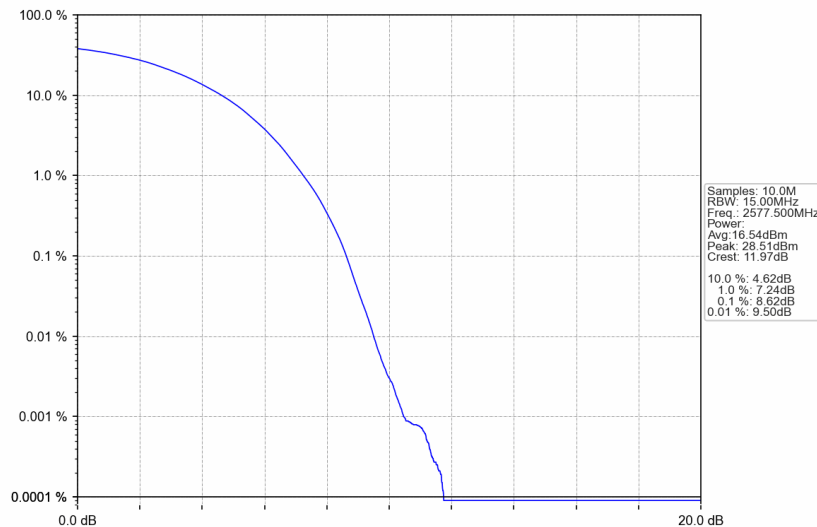
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Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



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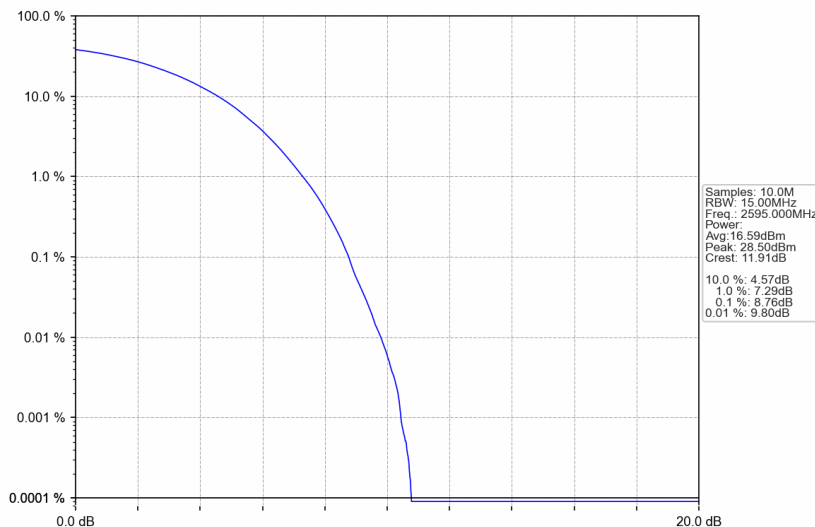
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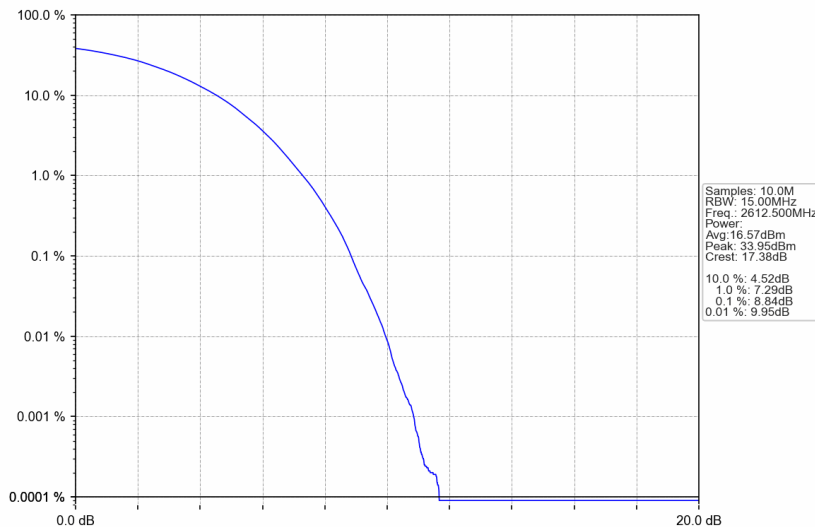
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Band38_15MHz_256QAM_HCH_2612.5MHz_RB_75_0_NTNV



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4.4 B38_20MHz

4.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	8.00	<=13	Pass
	2595	100	0	7.95	<=13	Pass
	2610	100	0	7.78	<=13	Pass
16QAM	2580	100	0	8.75	<=13	Pass
	2595	100	0	8.88	<=13	Pass
	2610	100	0	8.70	<=13	Pass
64QAM	2580	100	0	8.41	<=13	Pass
	2595	100	0	8.24	<=13	Pass
	2610	100	0	8.56	<=13	Pass
256QAM	2580	100	0	8.49	<=13	Pass
	2595	100	0	8.66	<=13	Pass
	2610	100	0	8.89	<=13	Pass



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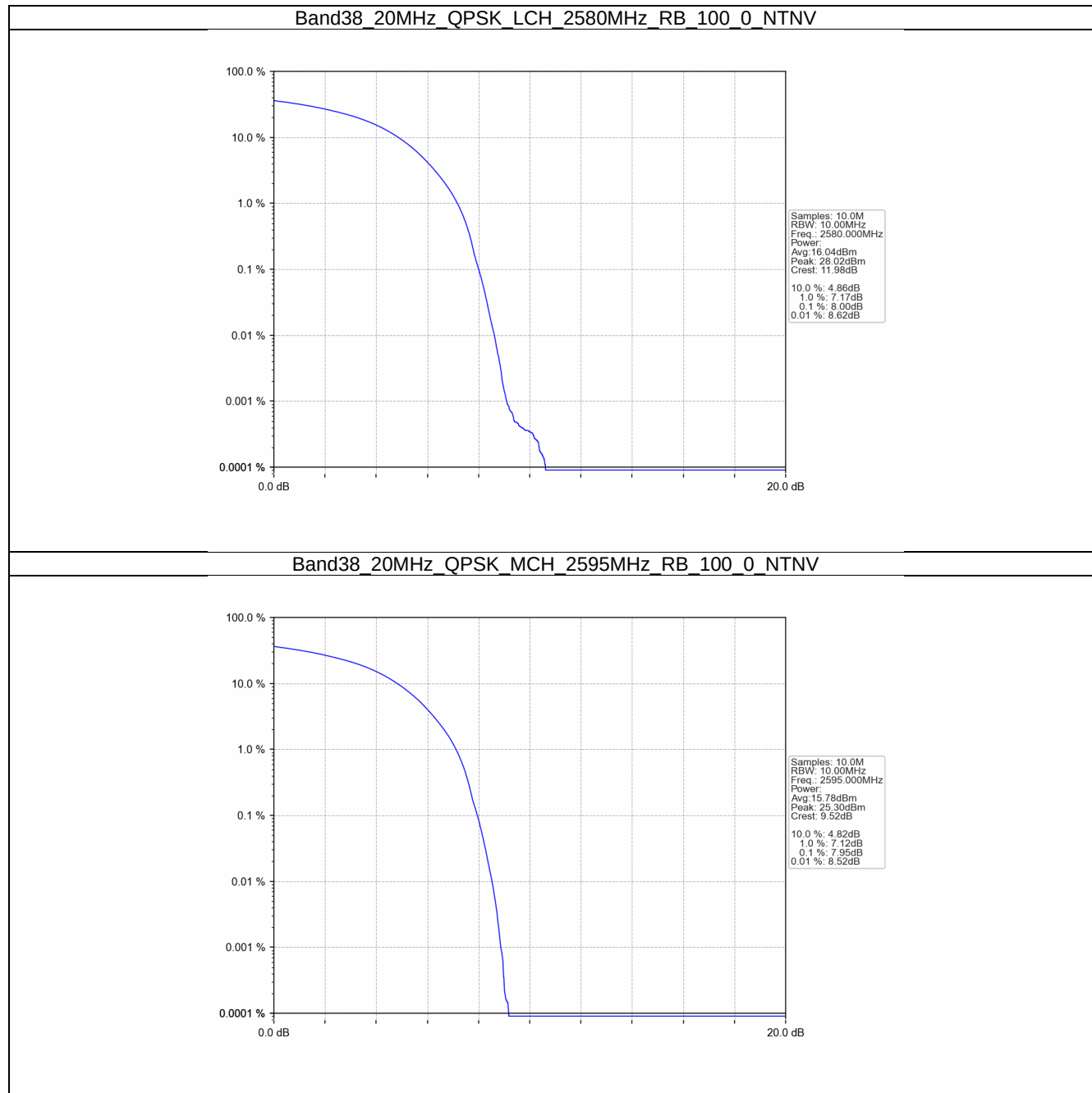
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4.4.2 Test Graph



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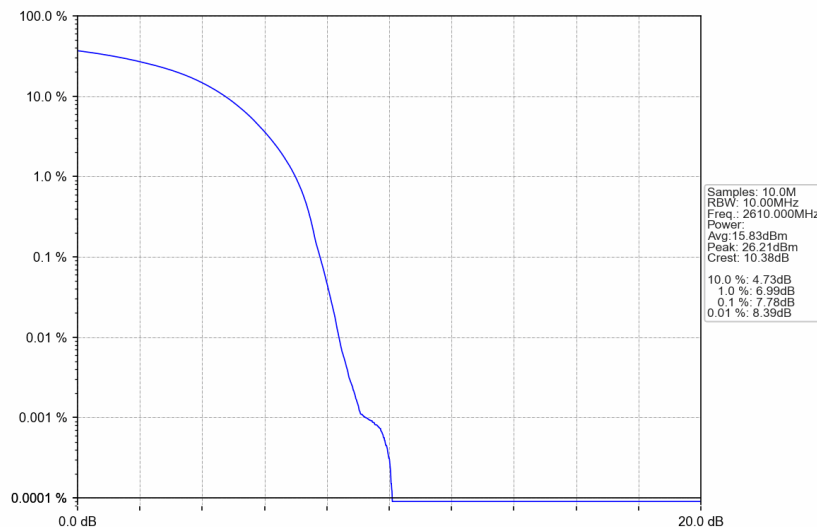
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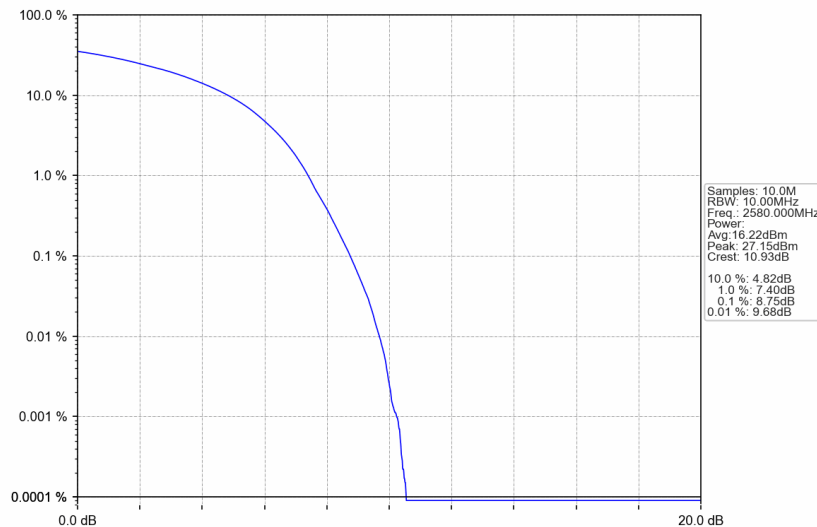
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Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTN



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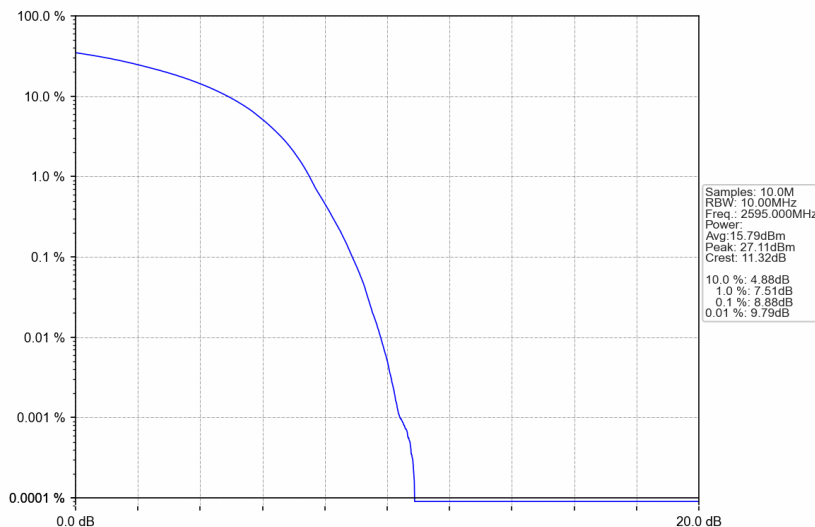
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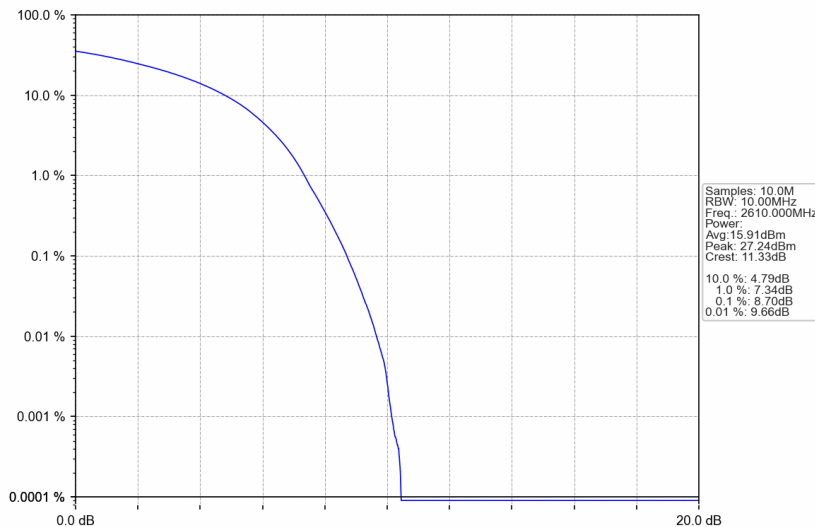
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Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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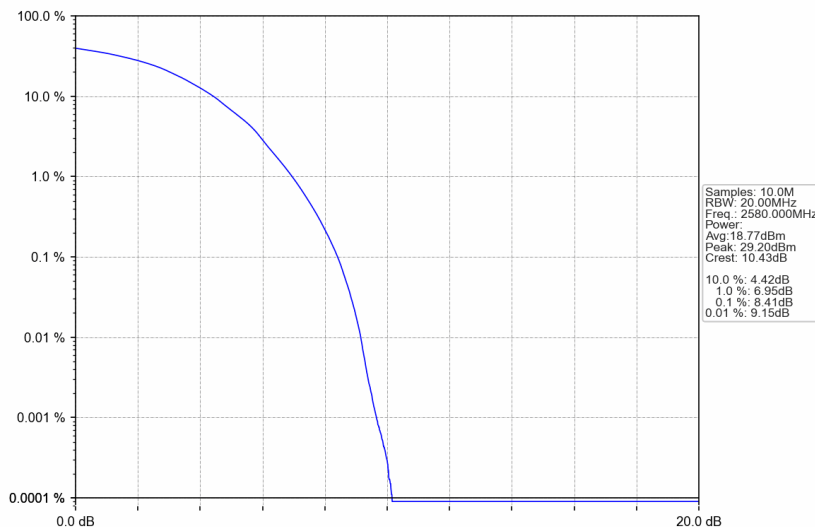
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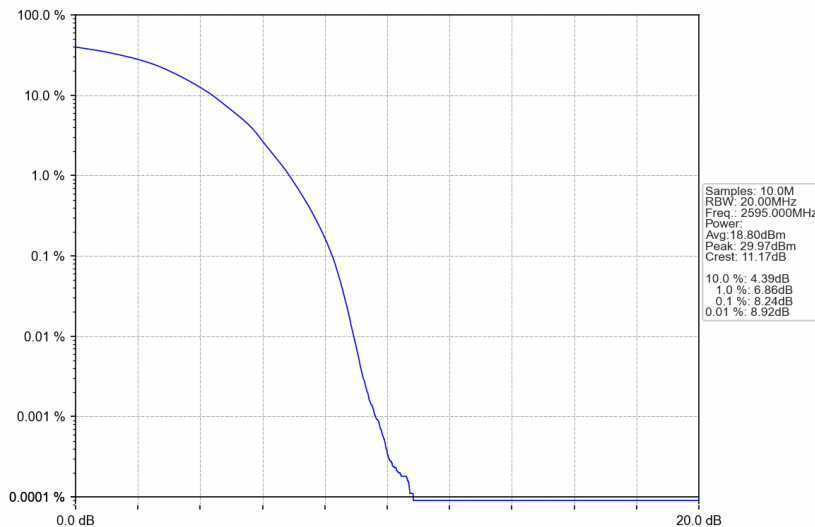
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Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



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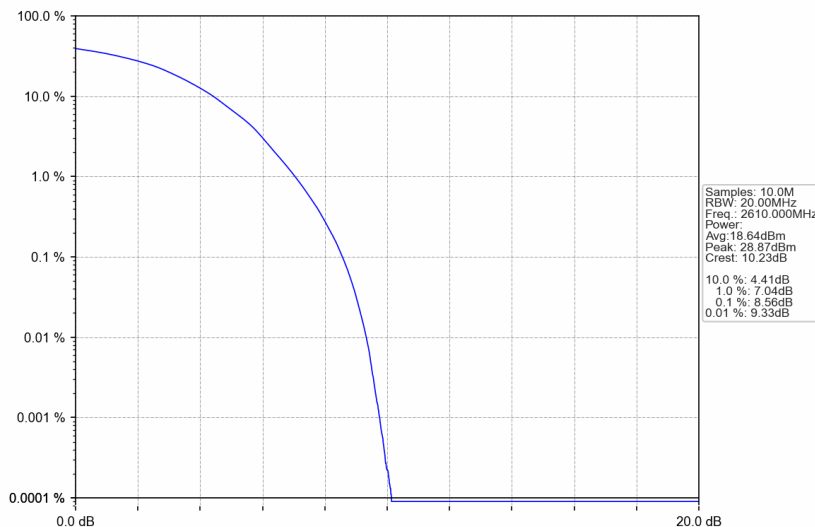
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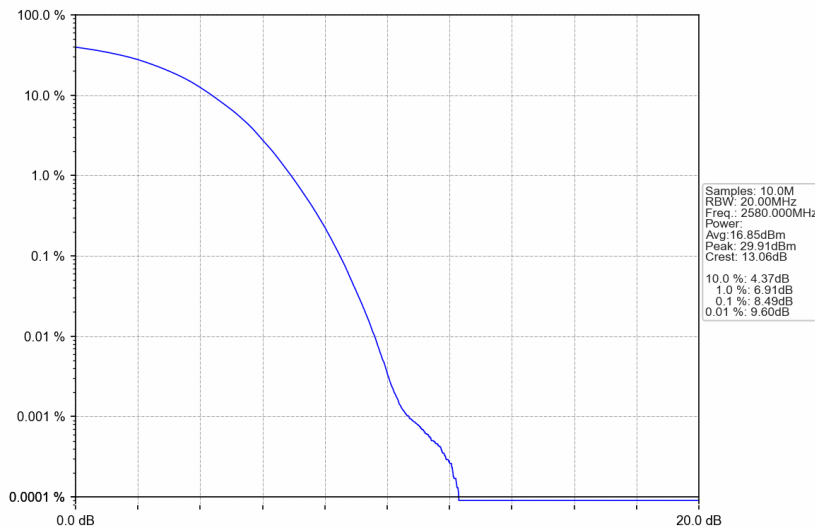
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Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV



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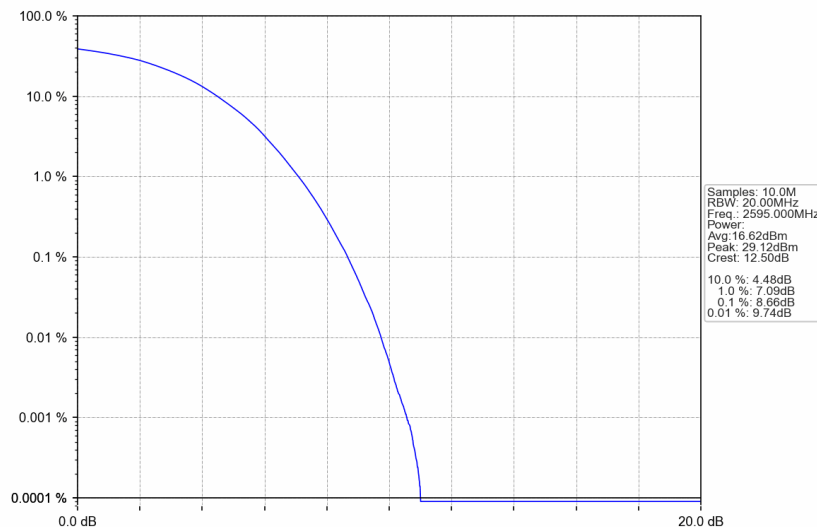
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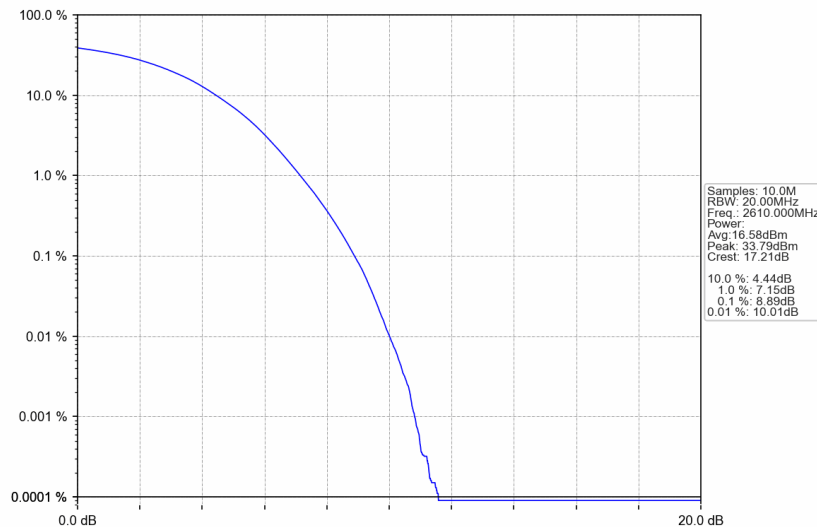
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Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTNv



Band38 20MHz 256QAM HCH 2610MHz RB 100 0 NTNv



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5. Spurious Emission & Band Edges

5.1 B38_5MHz

5.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	24	Refer To Test Graph		Pass
16QAM	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	24	Refer To Test Graph		Pass
64QAM	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	24	Refer To Test Graph		Pass
256QAM	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	24	Refer To Test Graph		Pass



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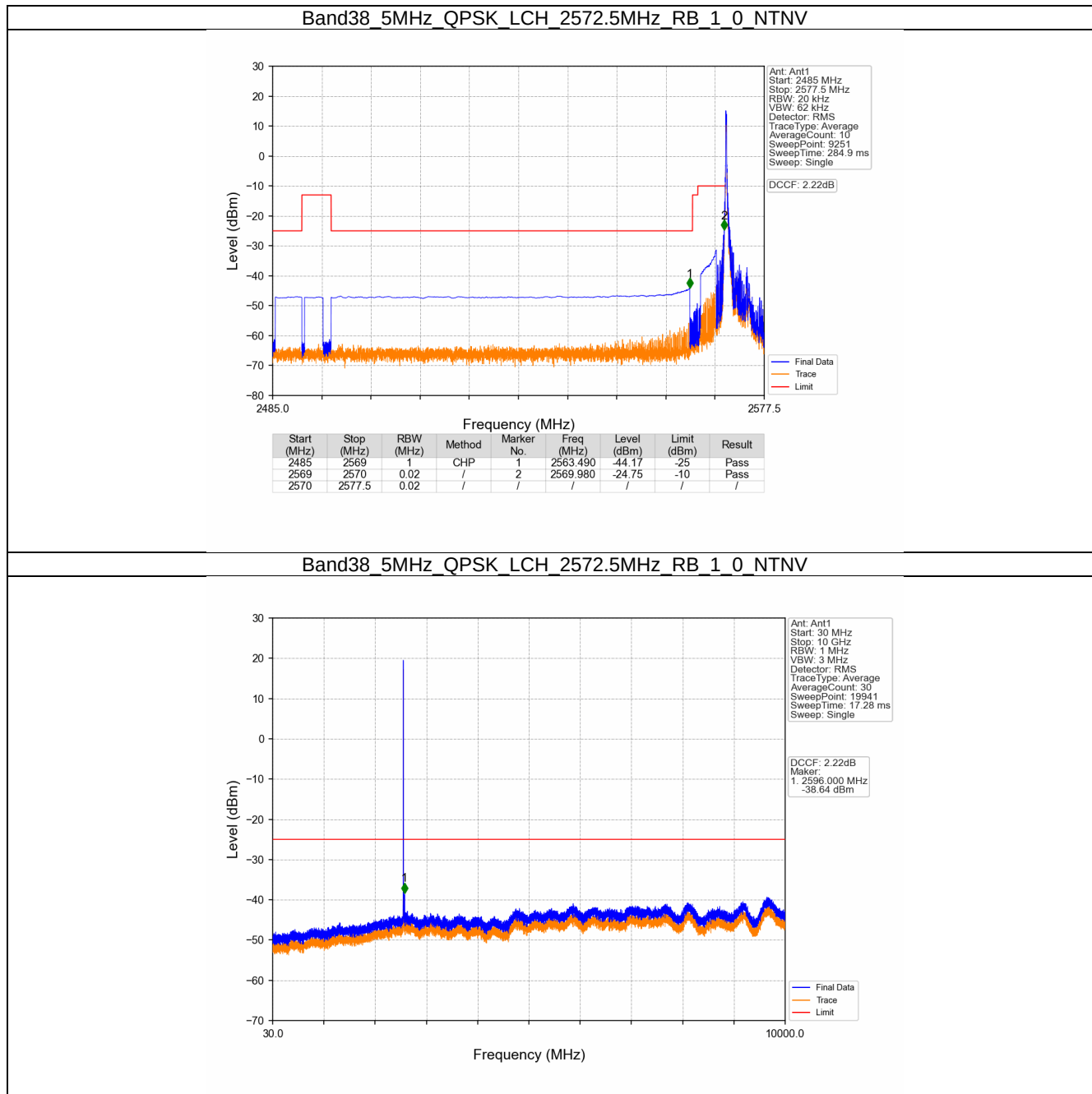
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5.1.2 Test Graph



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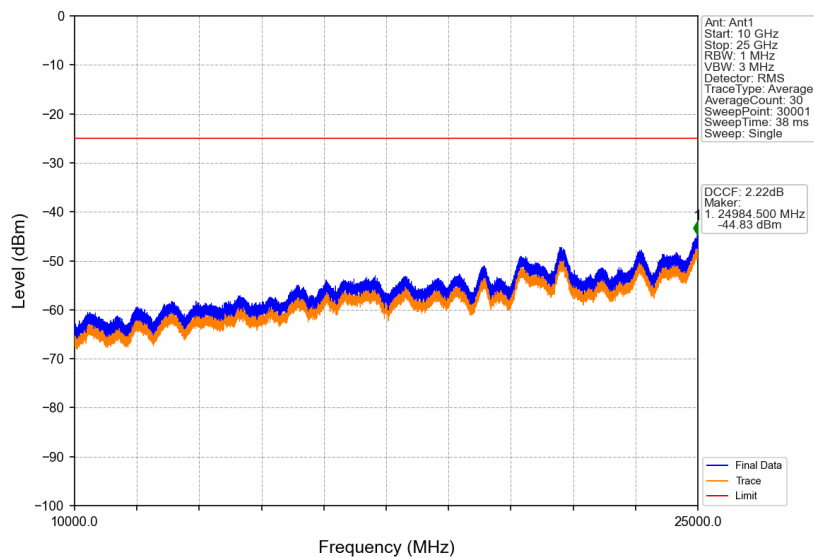
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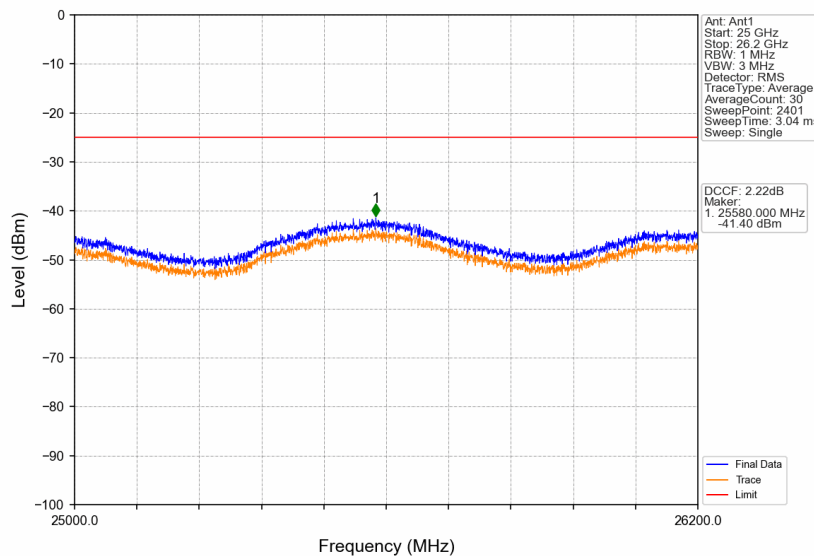
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Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



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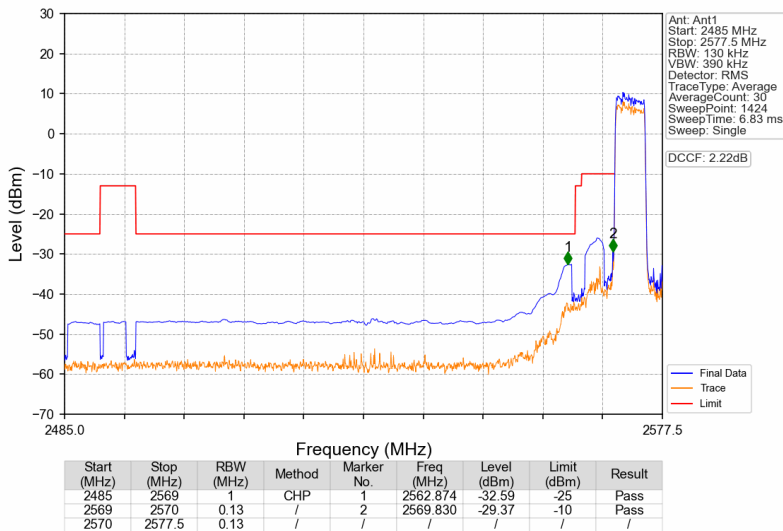
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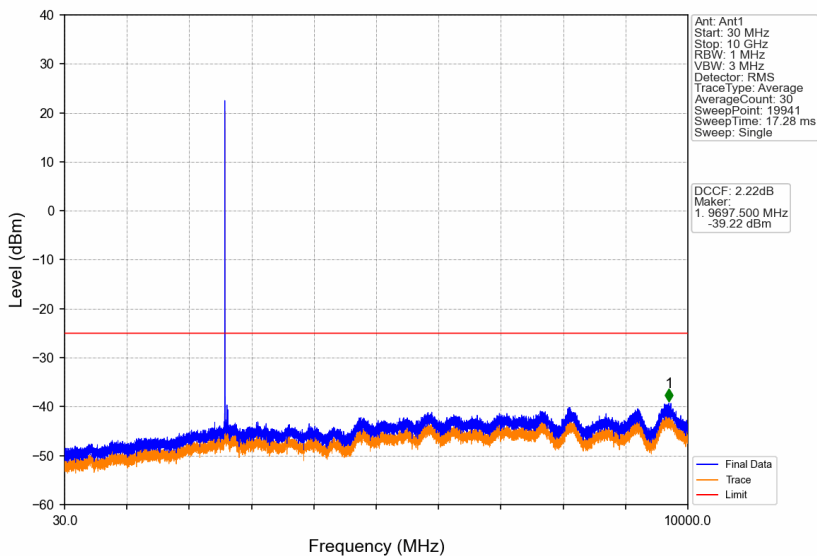
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Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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