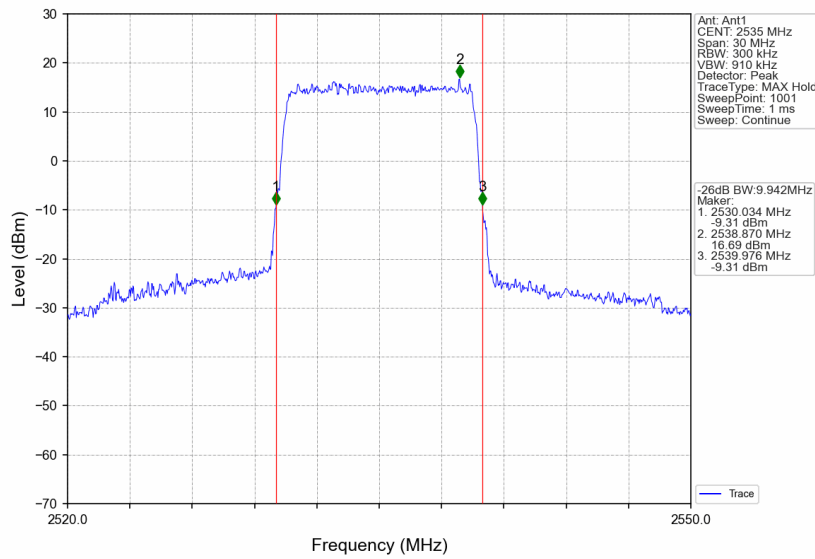
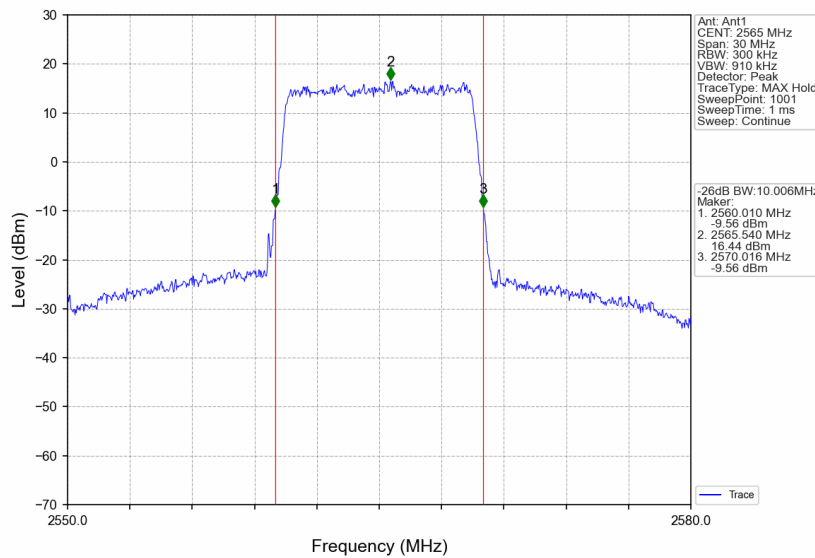


Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



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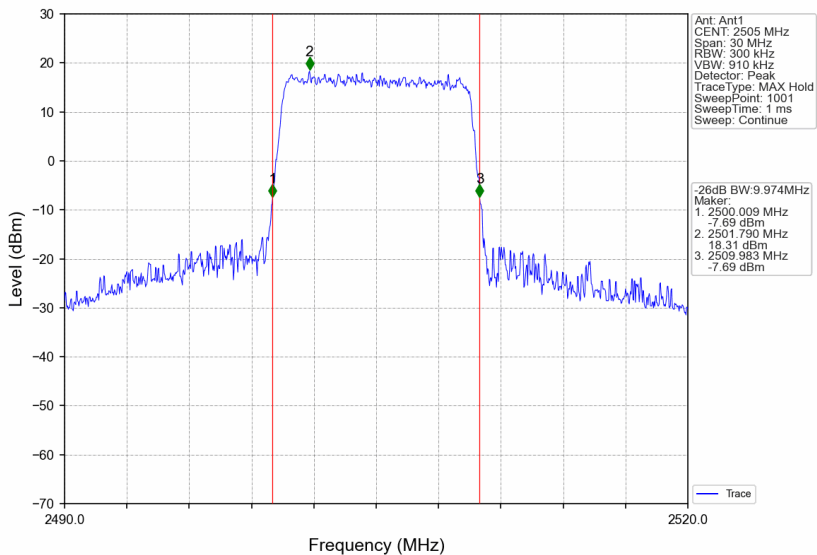
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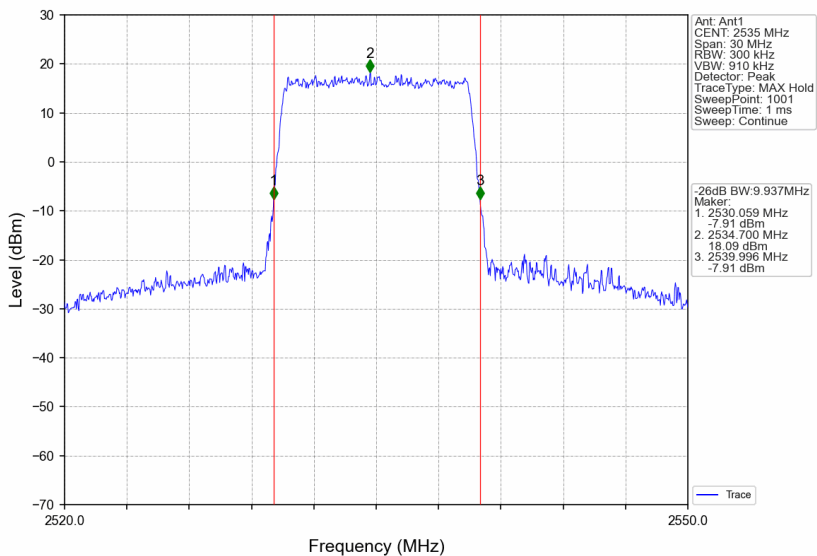
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Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV

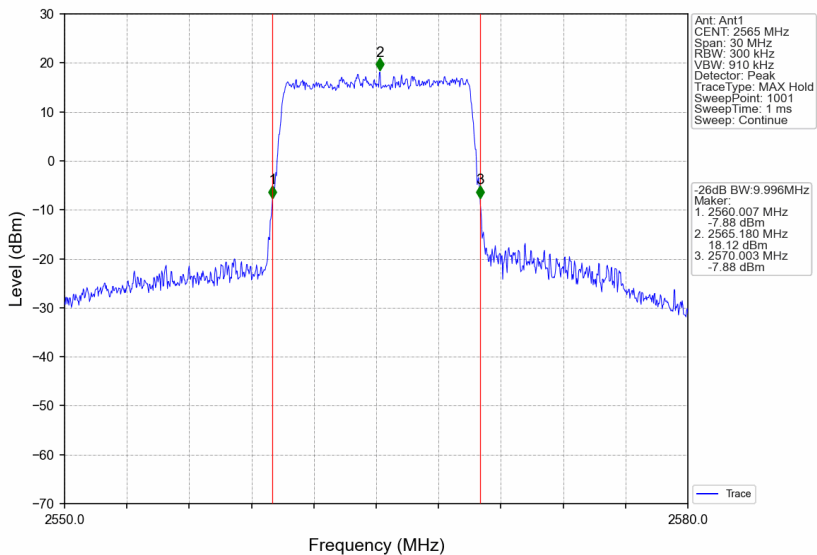


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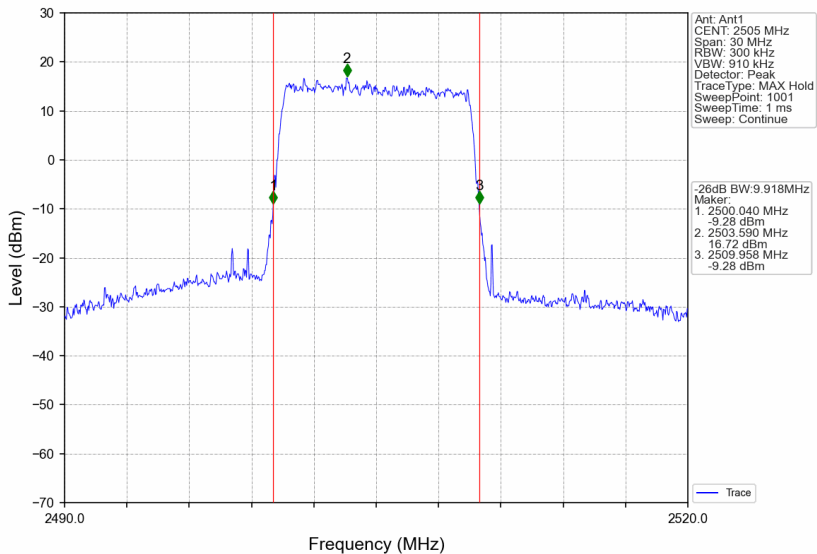
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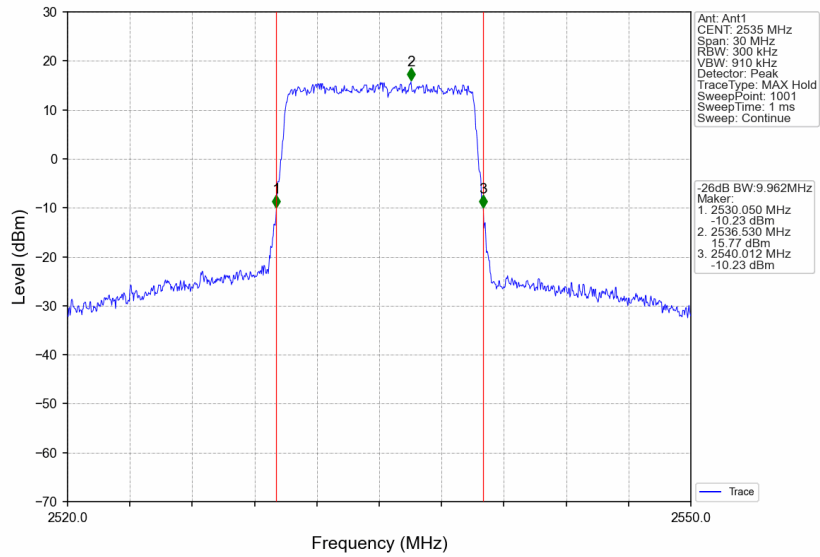
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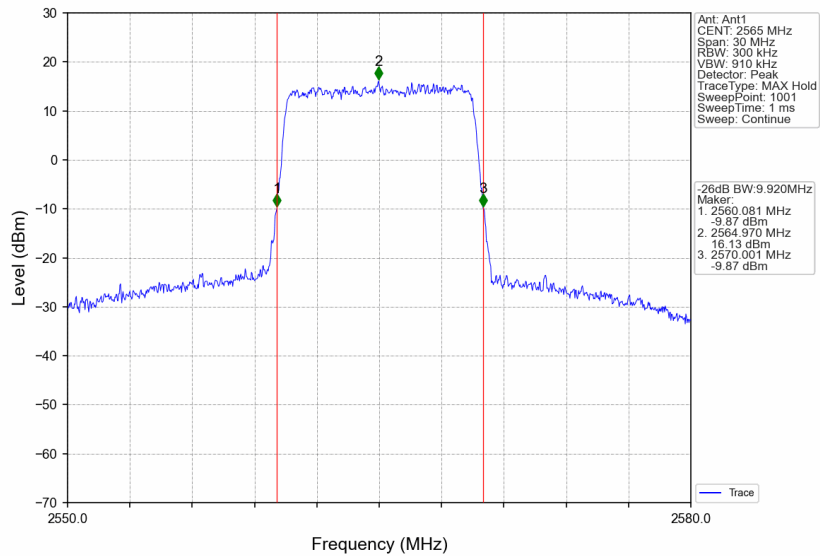
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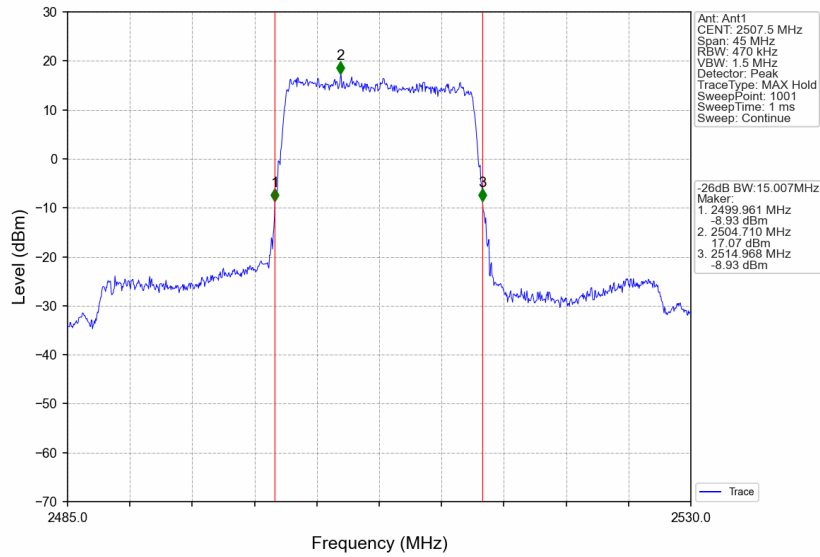
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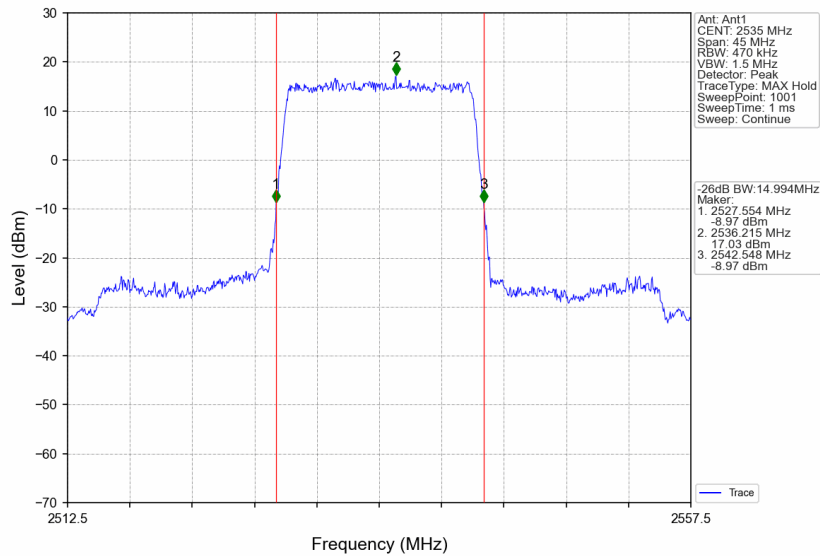
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Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



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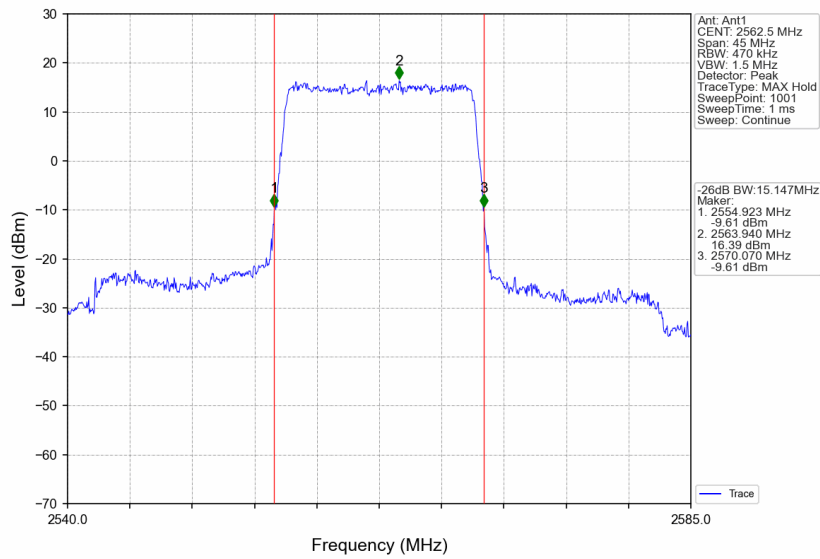
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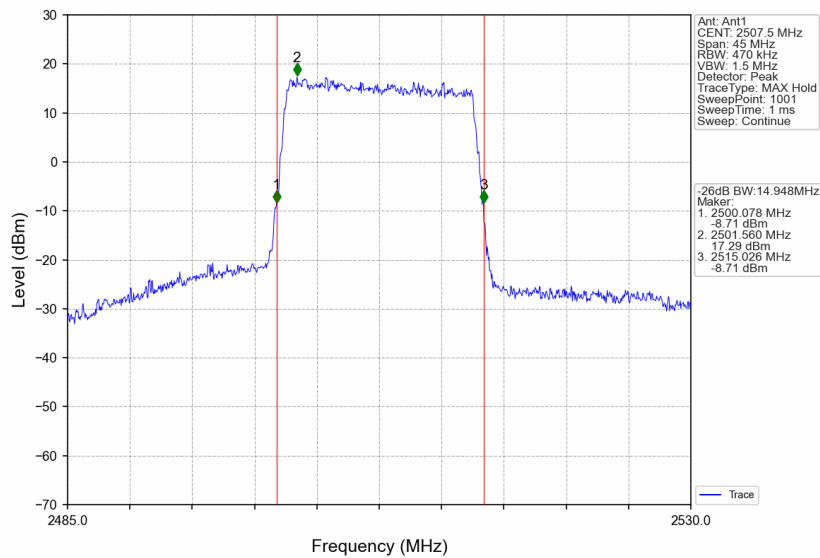
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Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV

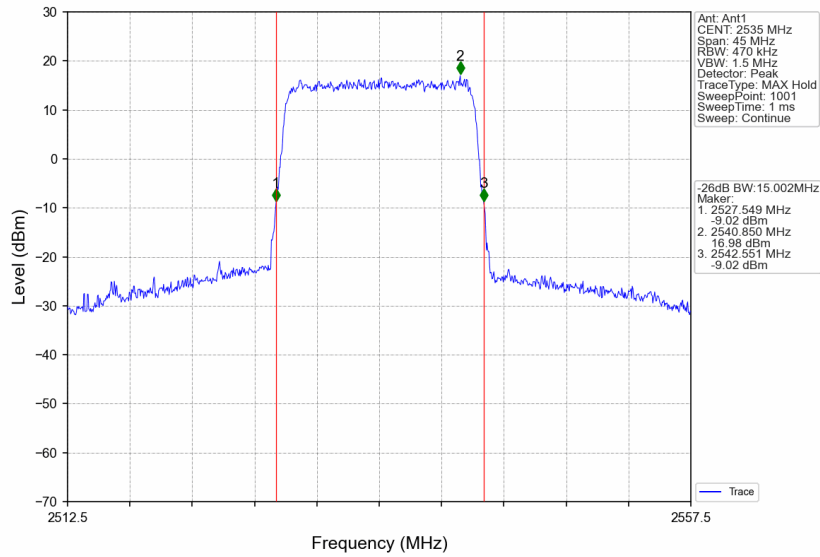


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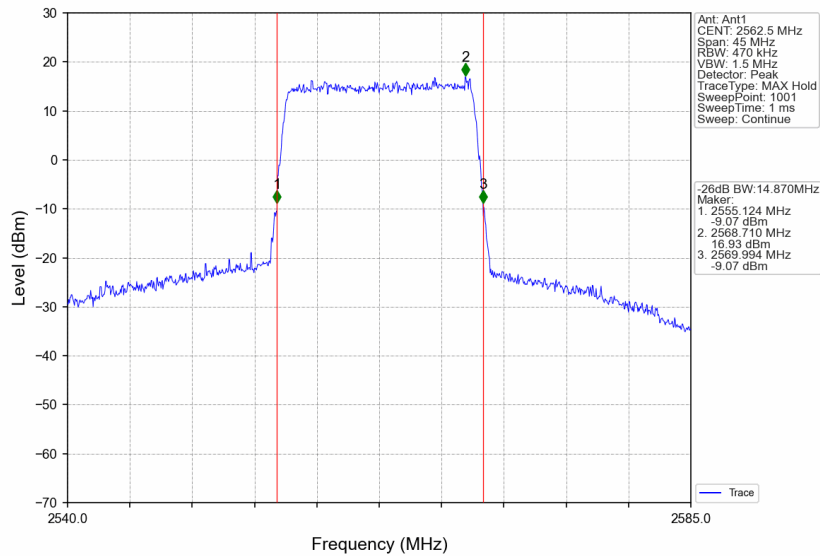
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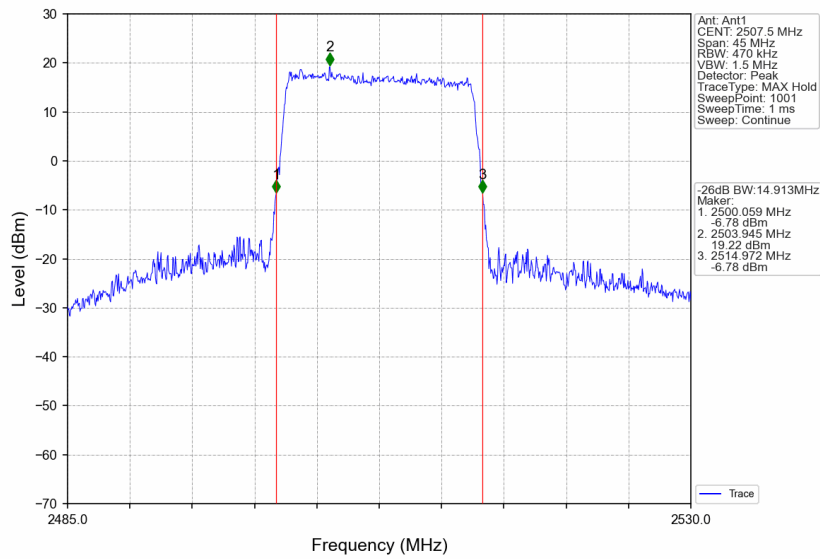


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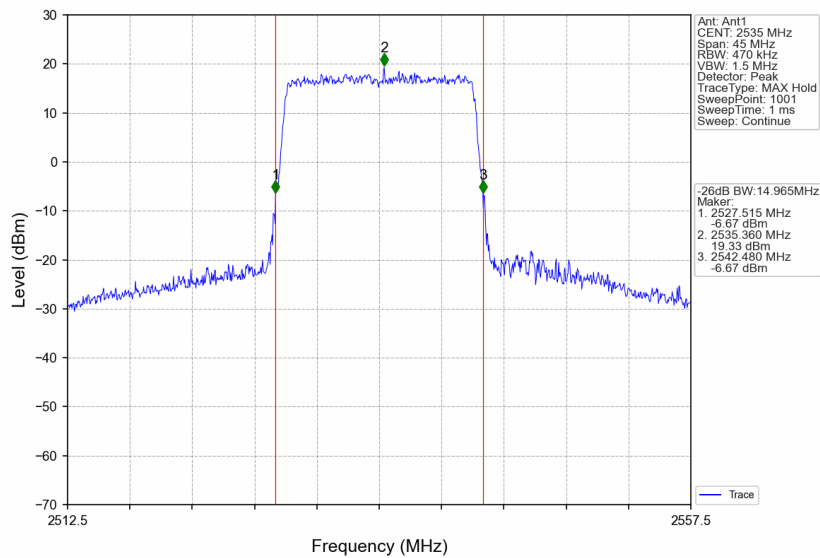
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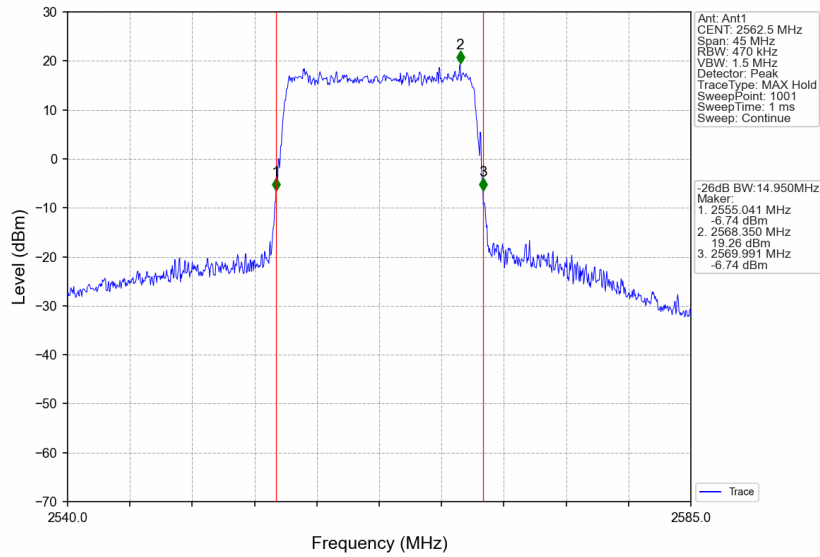


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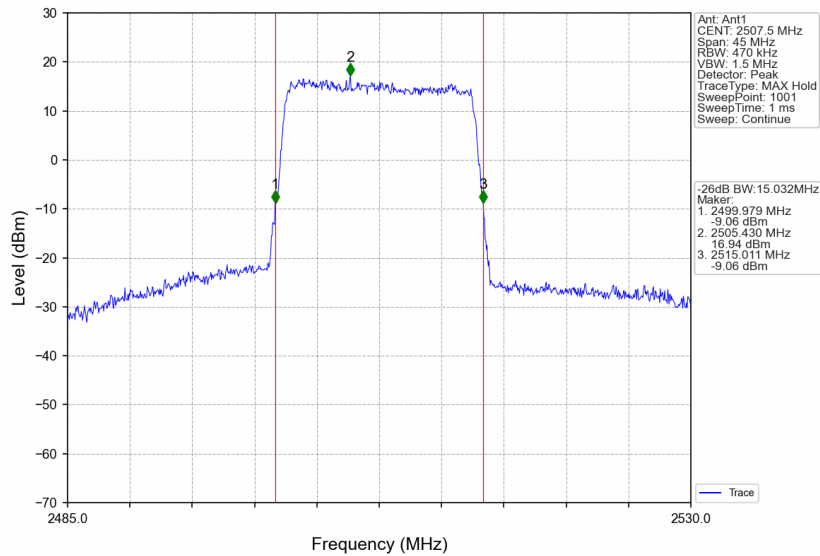
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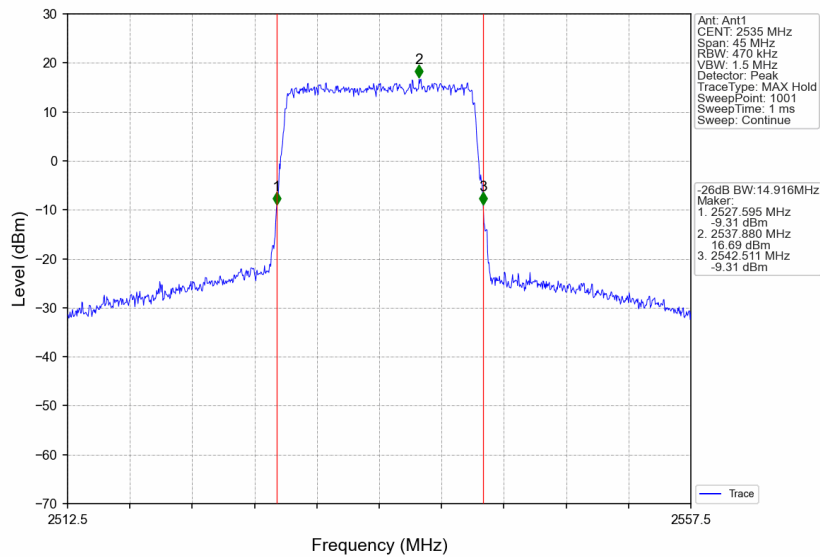


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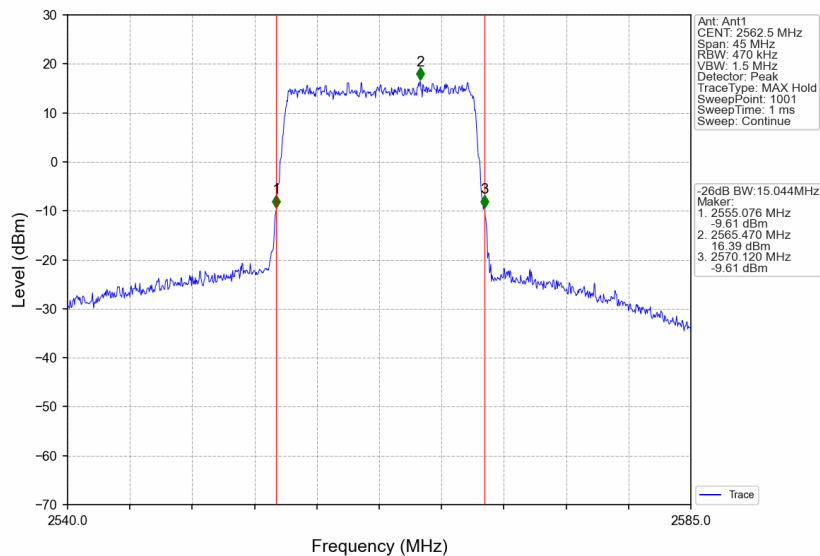
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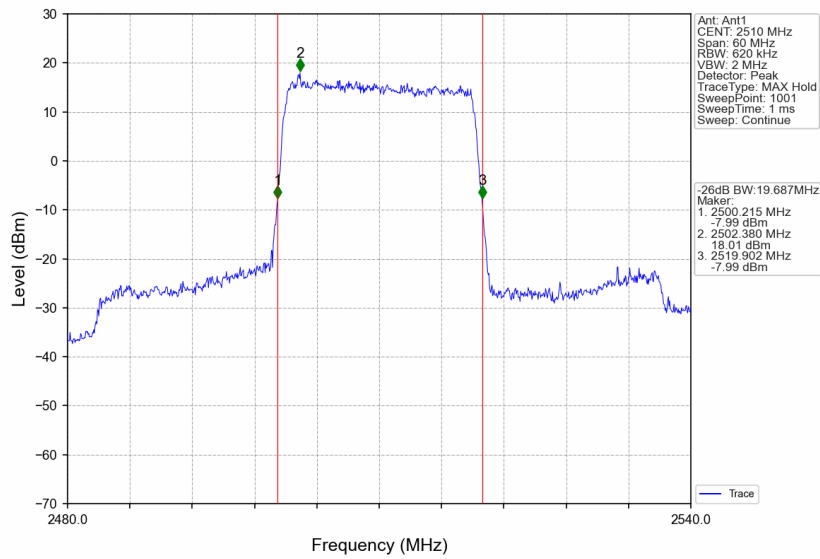
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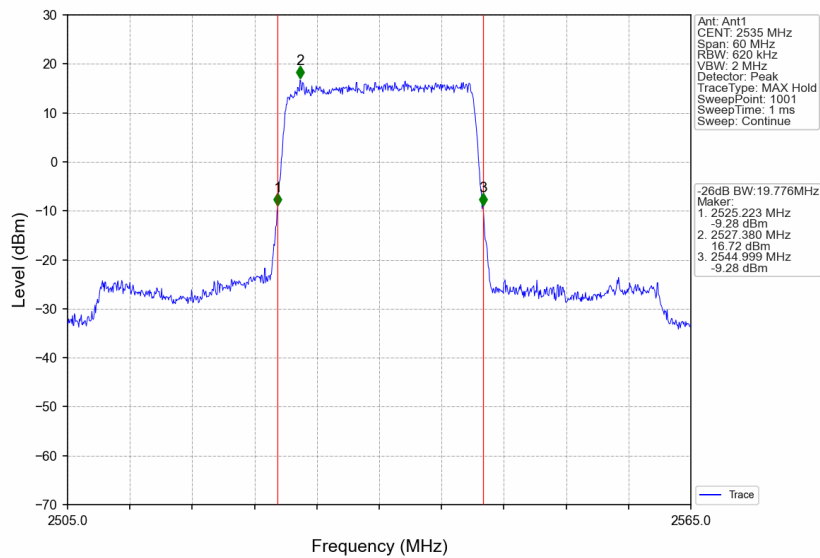
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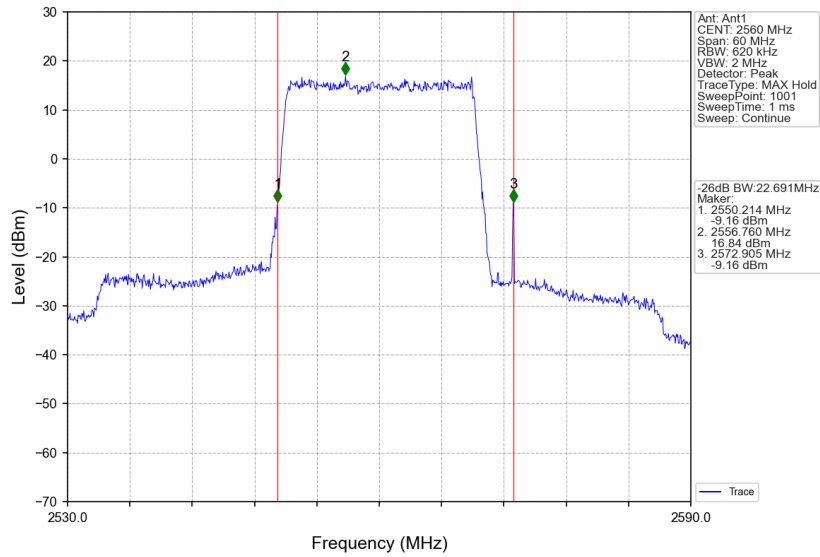
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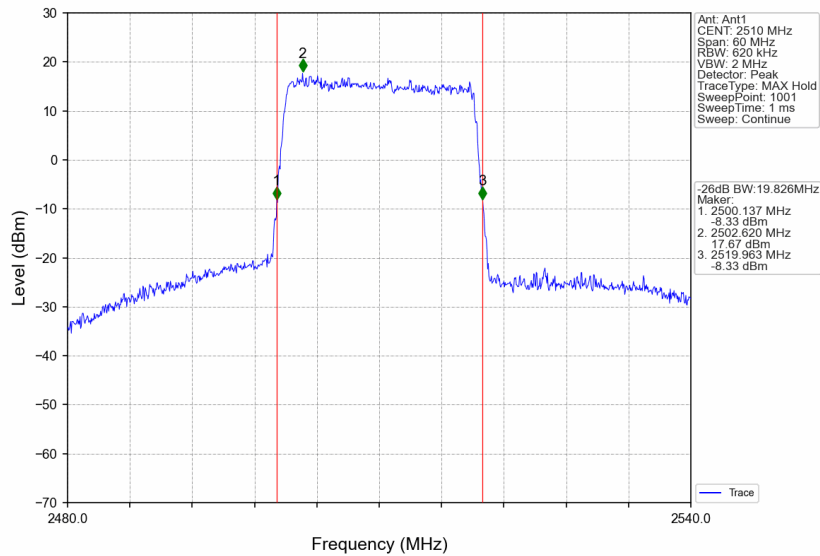
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Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV

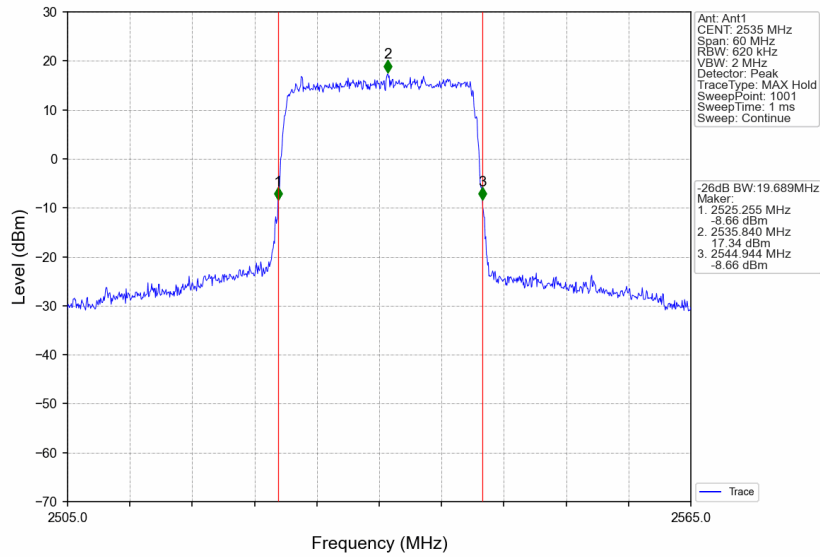


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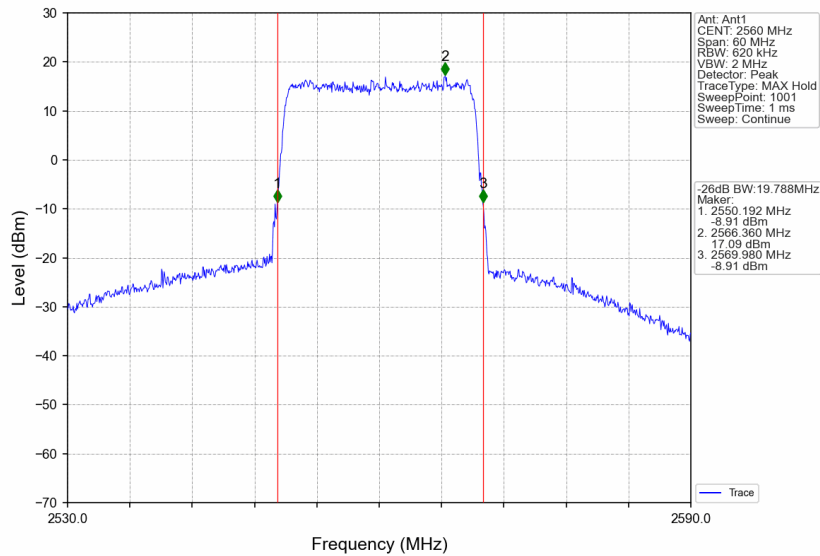
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Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



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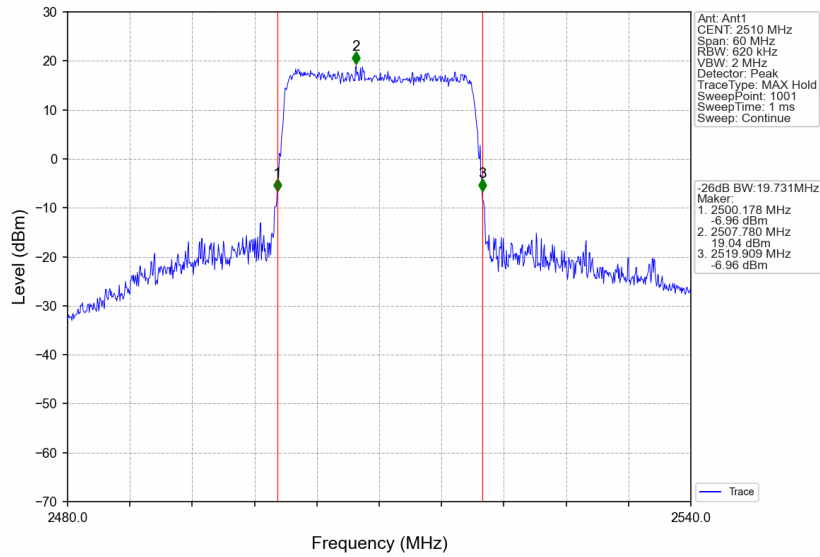
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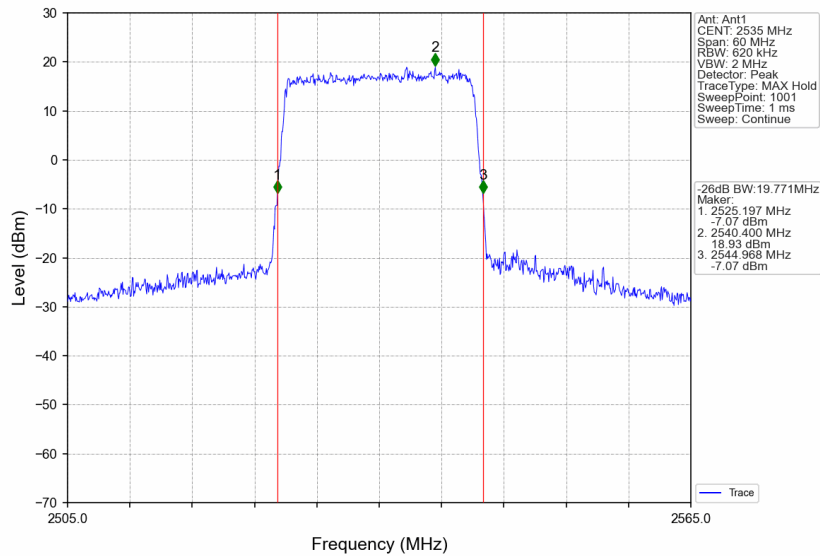
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Band7_20MHz_64QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV

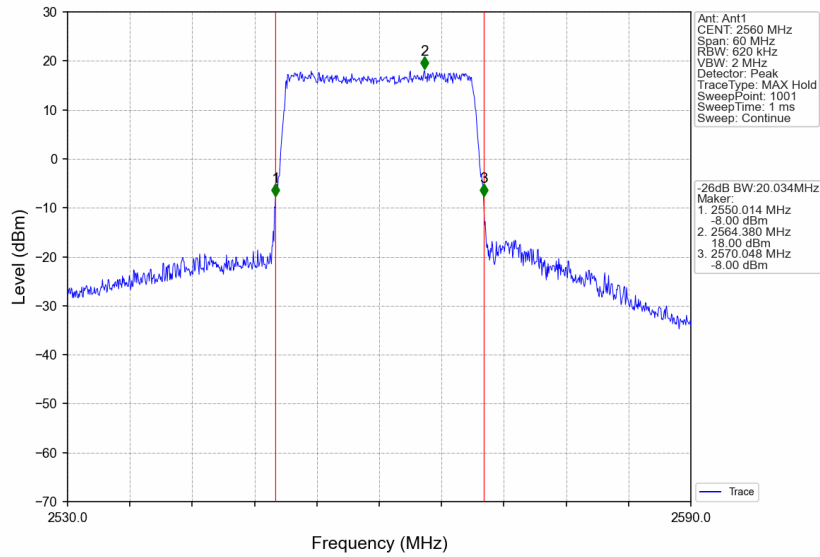


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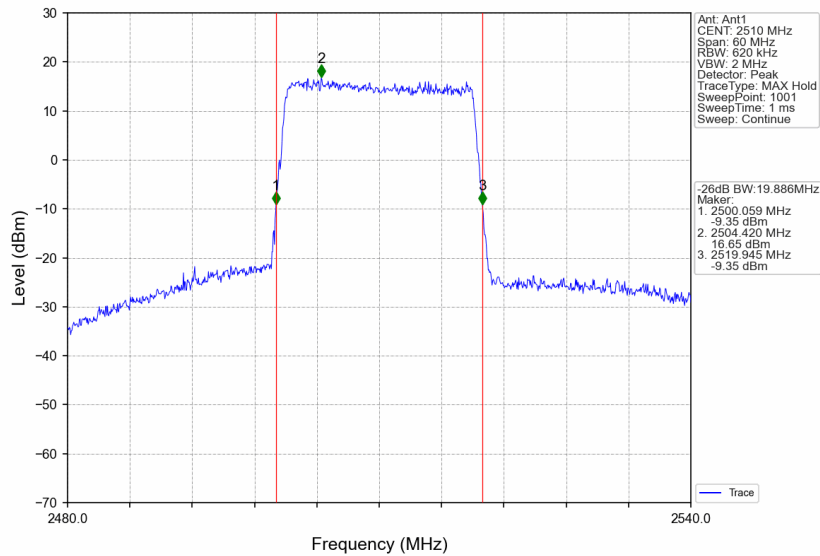
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Band7_20MHz_64QAM_HCH_2560MHz_RB_100_0_NTNV



Band7_20MHz_256QAM_LCH_2510MHz_RB_100_0_NTNV

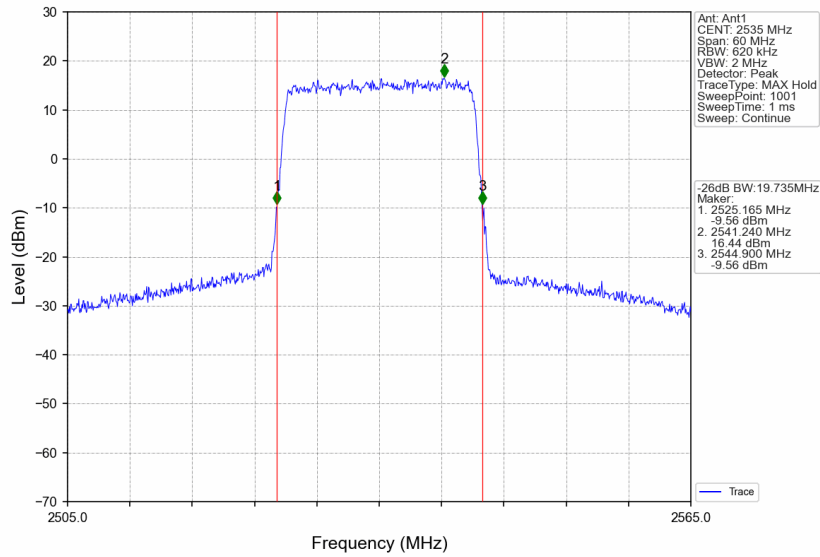


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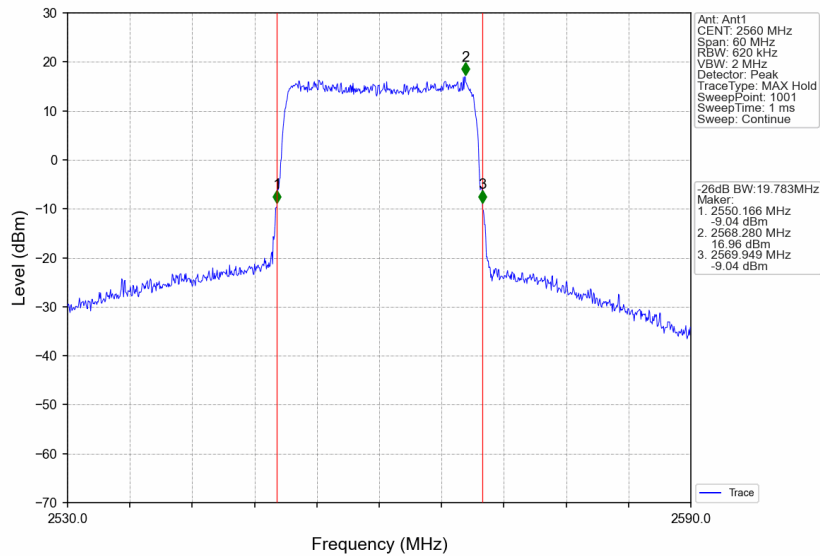
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Band7_20MHz_256QAM_HCH_2560MHz_RB_100_0_NTNV



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4. Peak-Average Ratio

4.1 B7_5MHz

4.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	5.92	<=13	Pass
	2535	25	0	5.96	<=13	Pass
	2567.5	25	0	5.94	<=13	Pass
16QAM	2502.5	25	0	6.53	<=13	Pass
	2535	25	0	6.65	<=13	Pass
	2567.5	25	0	6.65	<=13	Pass
64QAM	2502.5	25	0	6.47	<=13	Pass
	2535	25	0	6.60	<=13	Pass
	2567.5	25	0	6.52	<=13	Pass
256QAM	2502.5	25	0	6.89	<=13	Pass
	2535	25	0	6.96	<=13	Pass
	2567.5	25	0	6.92	<=13	Pass

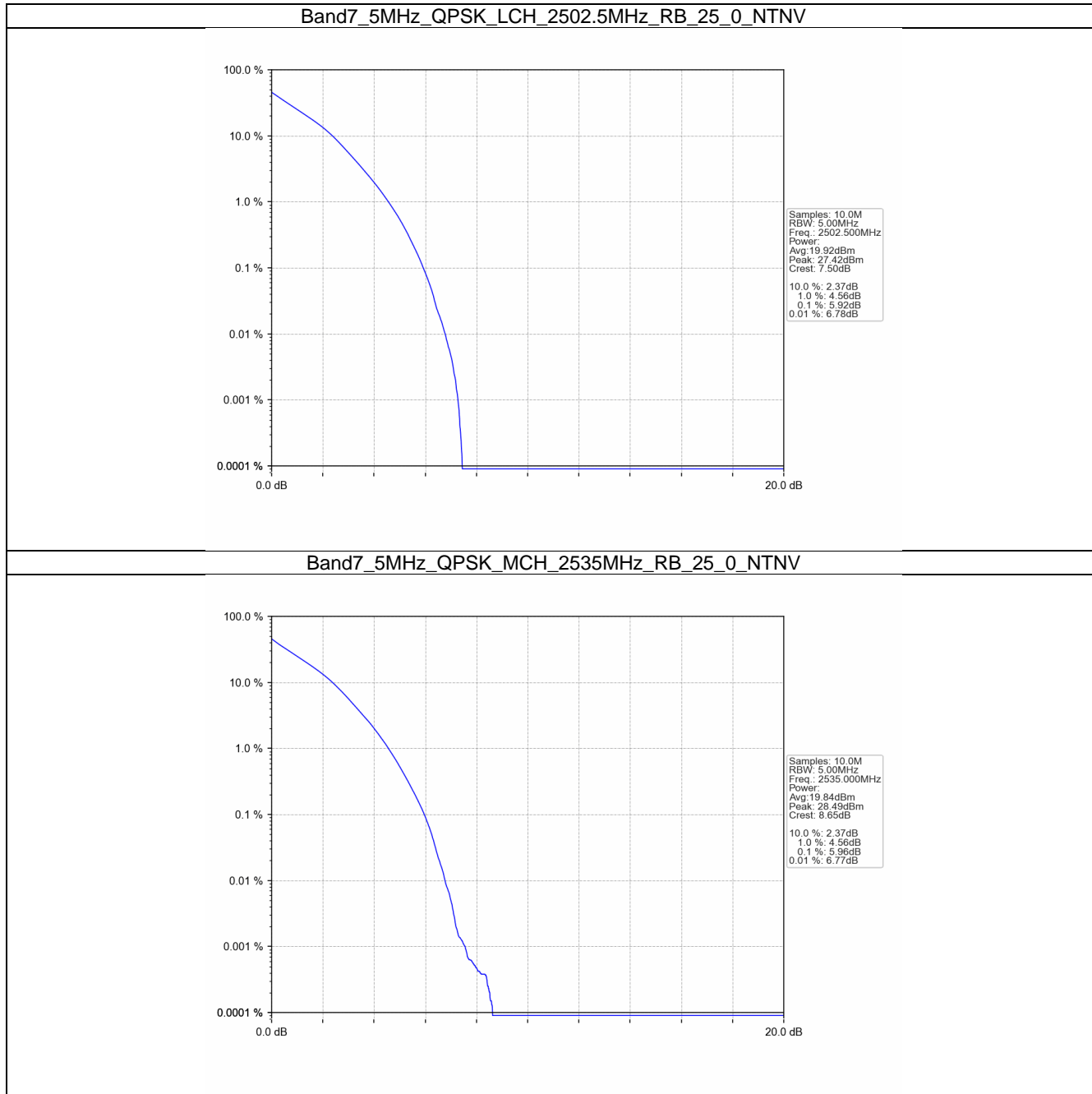


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4.1.2 Test Graph

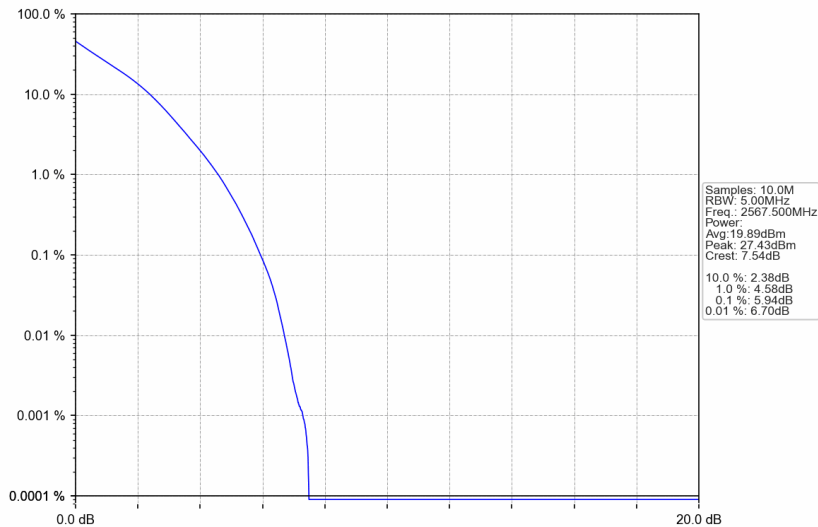


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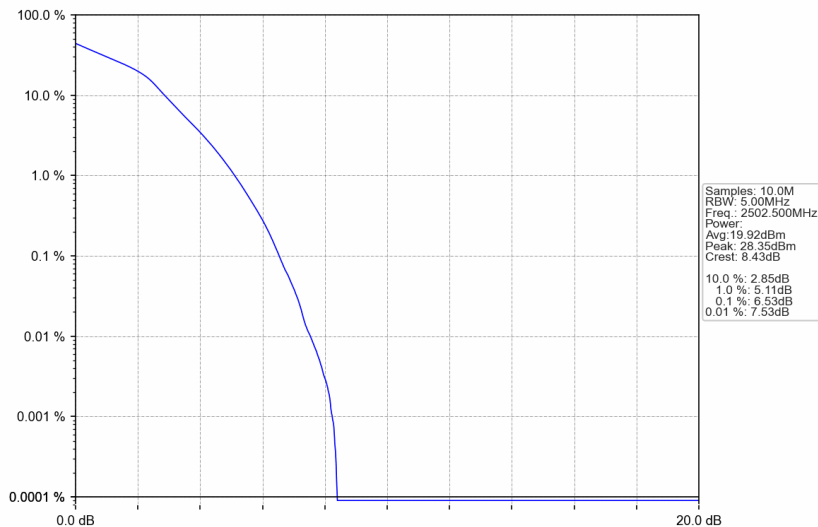
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



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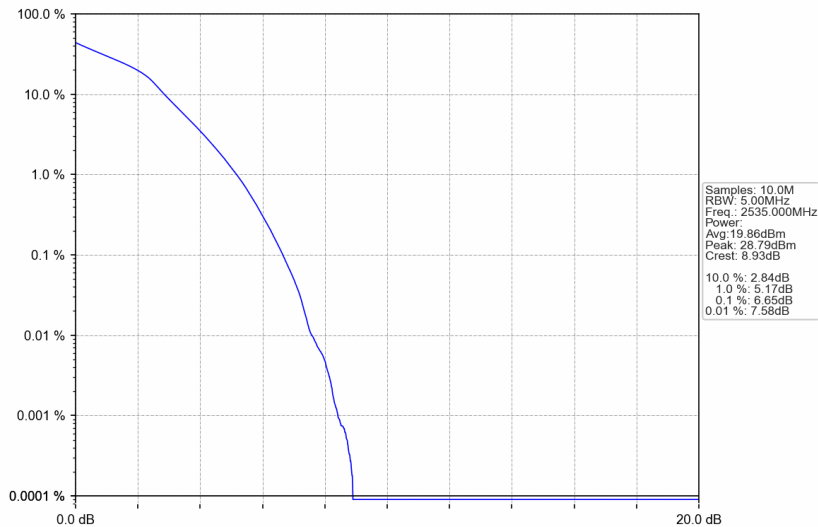
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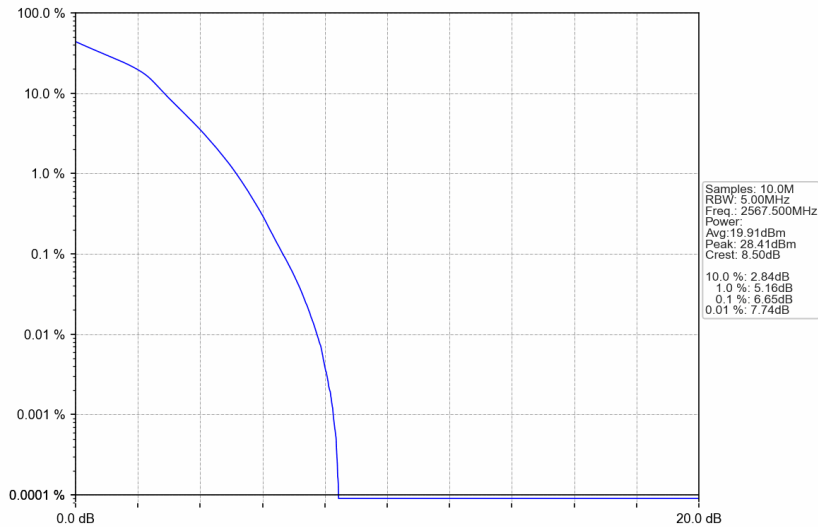
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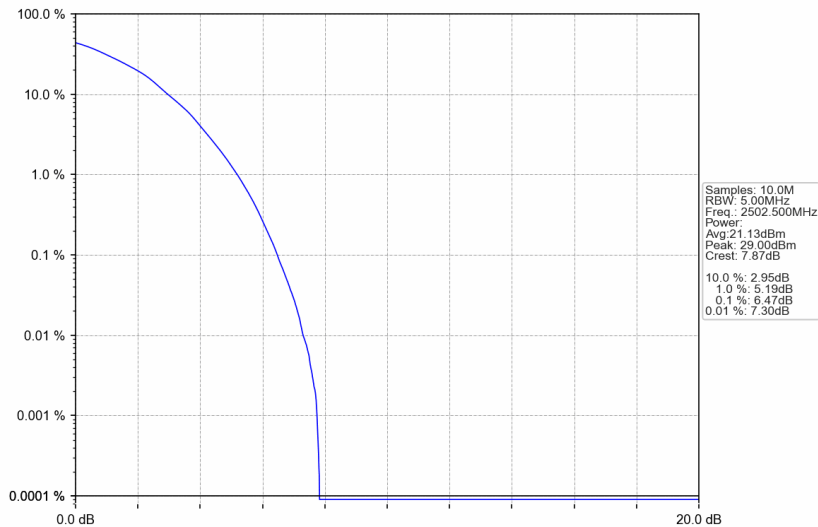
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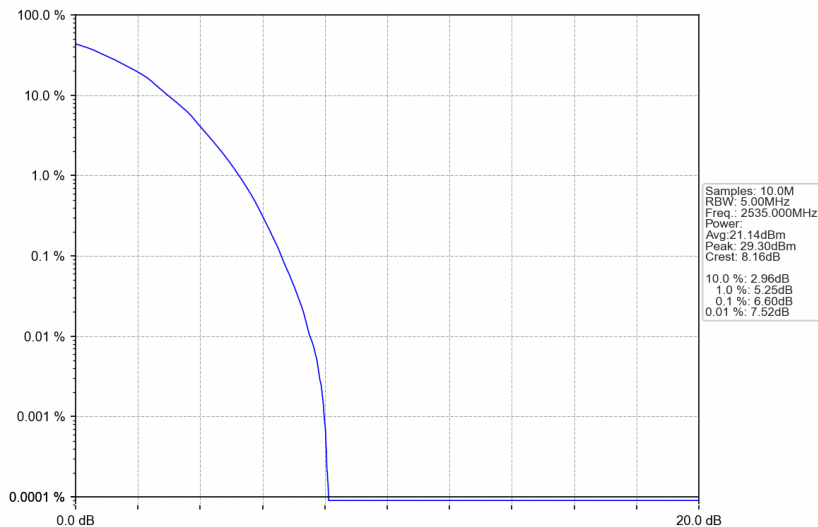
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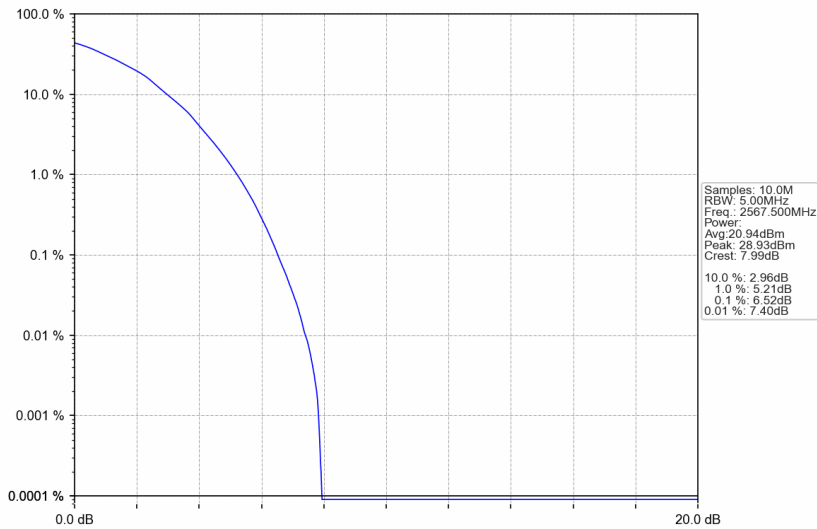


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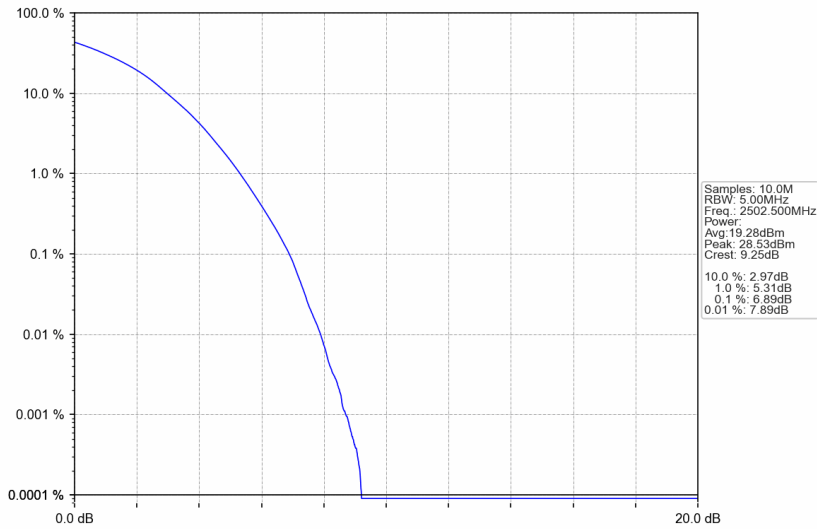
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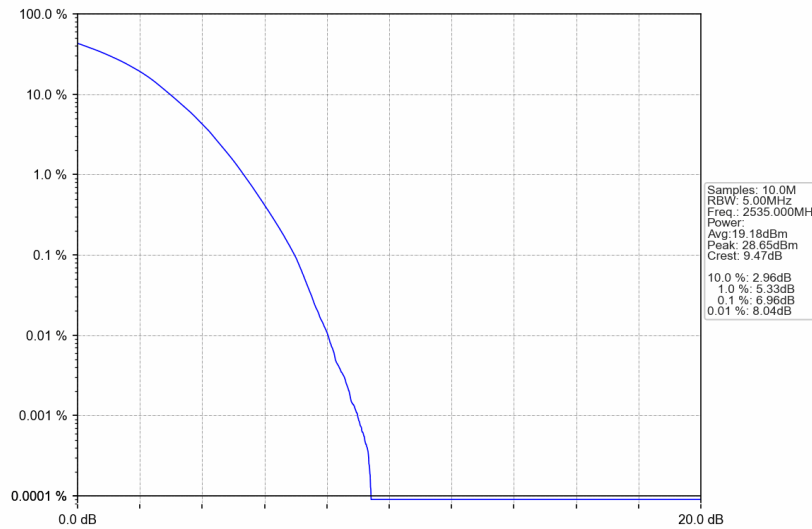
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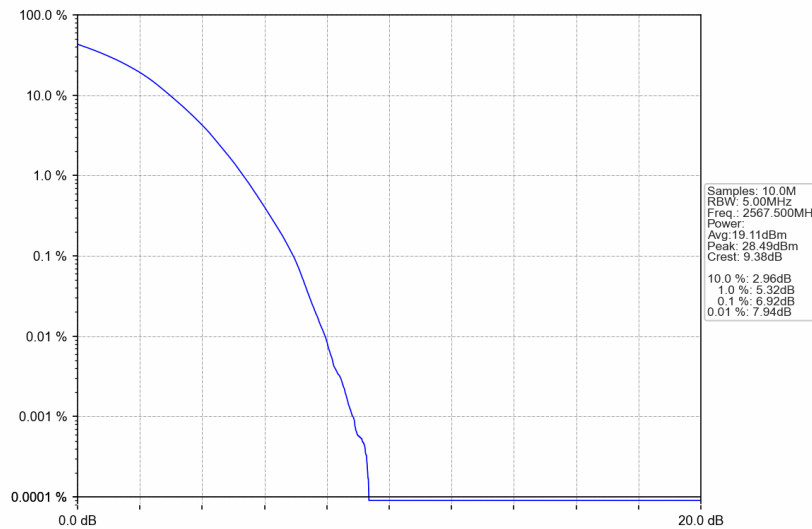
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4.2 B7_10MHz

4.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	5.70	<=13	Pass
	2535	50	0	5.68	<=13	Pass
	2565	50	0	5.70	<=13	Pass
16QAM	2505	50	0	6.49	<=13	Pass
	2535	50	0	6.53	<=13	Pass
	2565	50	0	6.55	<=13	Pass
64QAM	2505	50	0	6.50	<=13	Pass
	2535	50	0	6.61	<=13	Pass
	2565	50	0	6.58	<=13	Pass
256QAM	2505	50	0	6.79	<=13	Pass
	2535	50	0	6.81	<=13	Pass
	2565	50	0	6.81	<=13	Pass



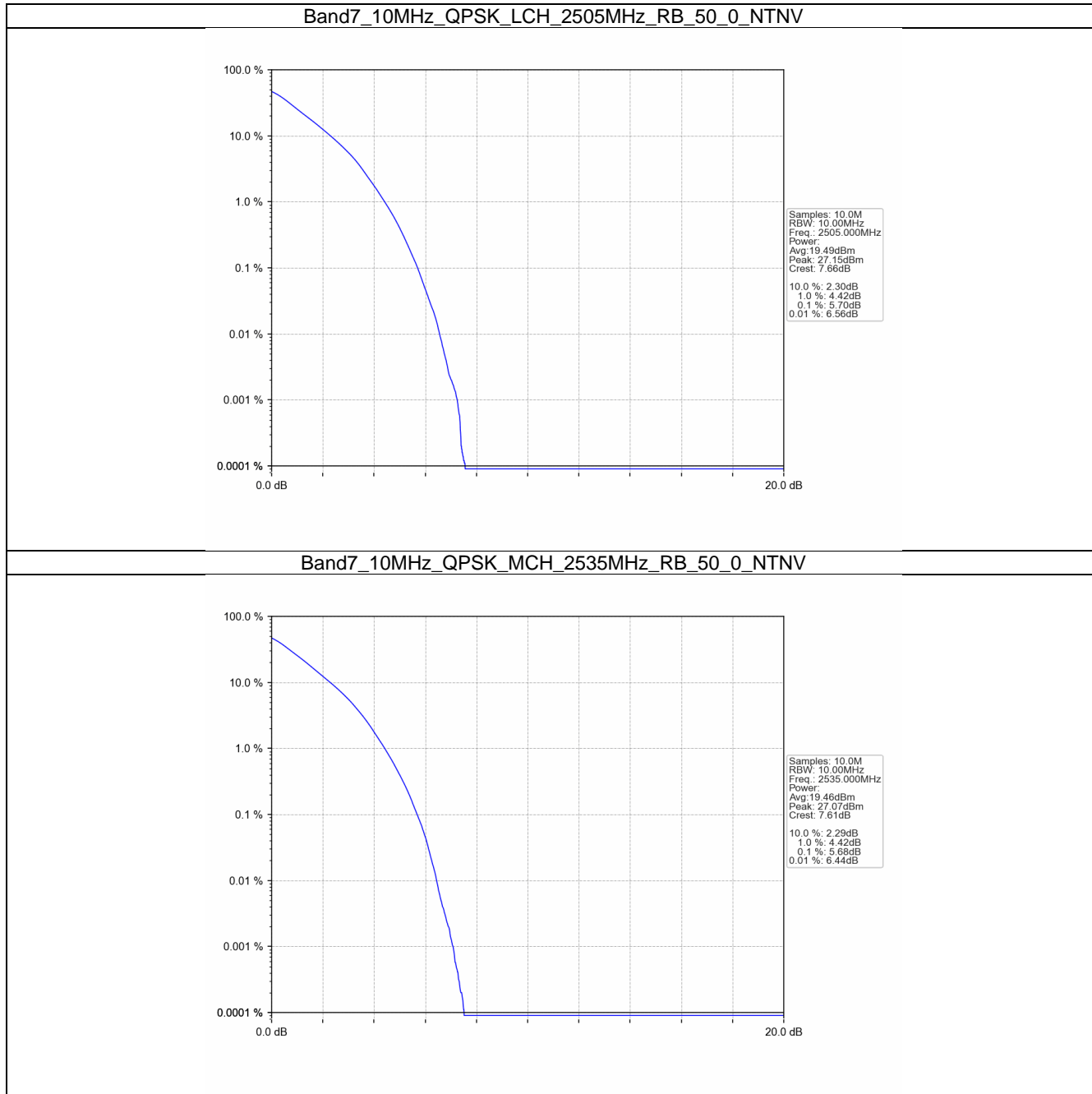
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4.2.2 Test Graph

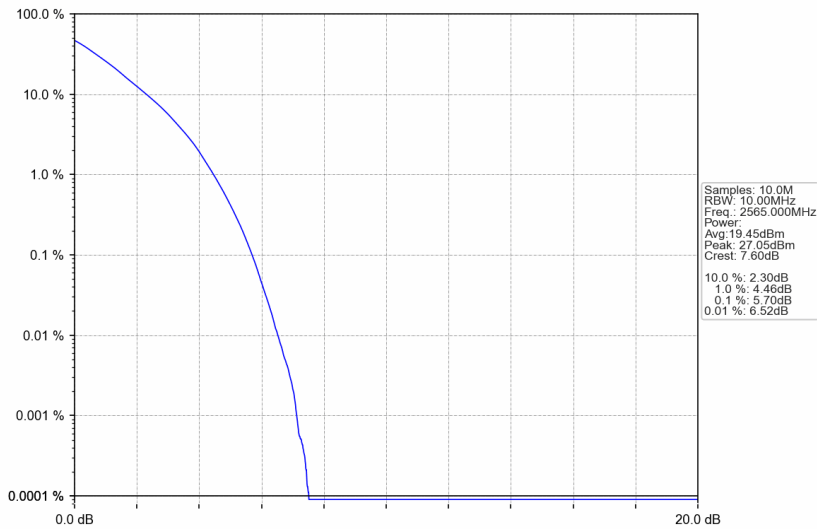


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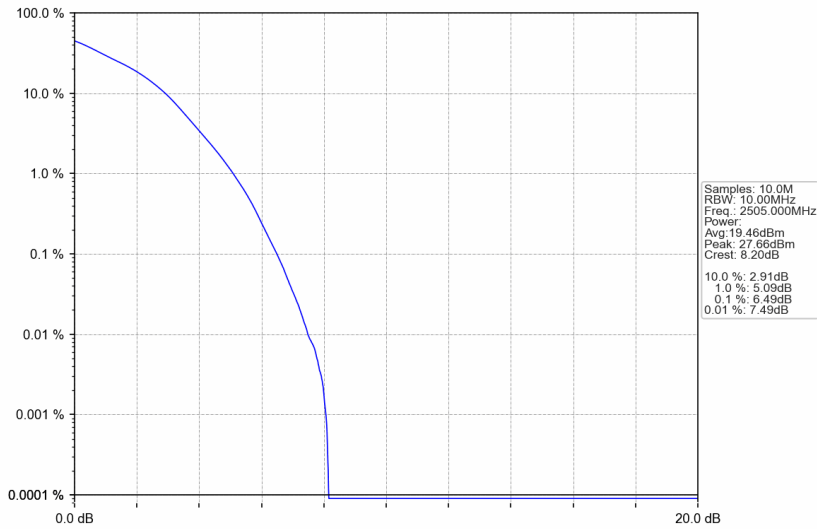
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Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV

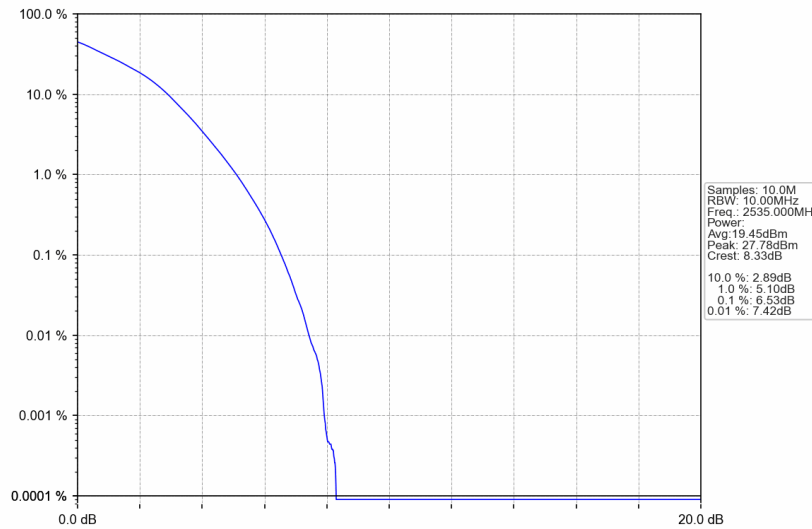


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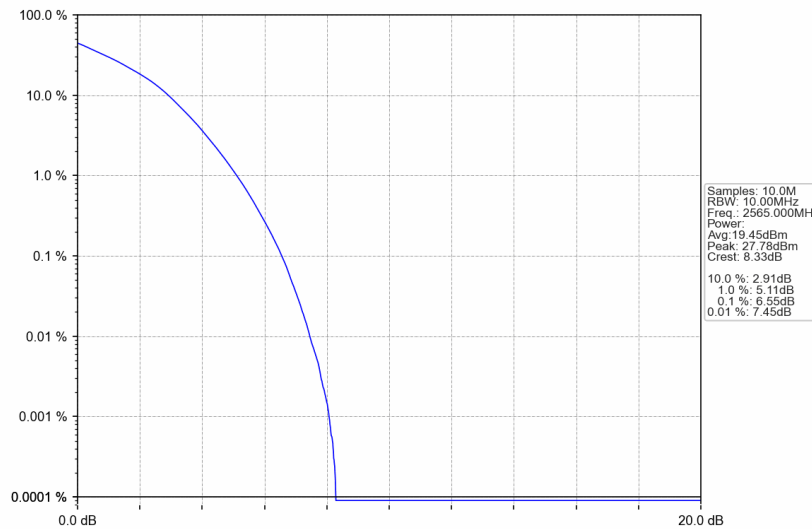
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Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



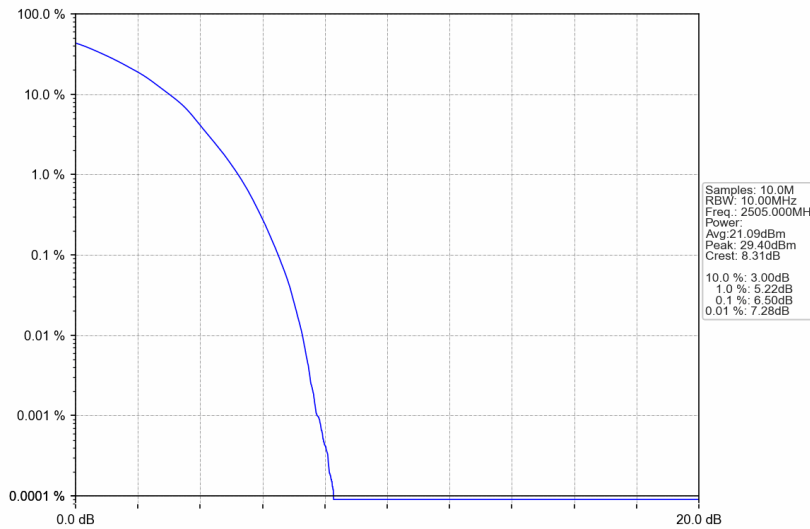
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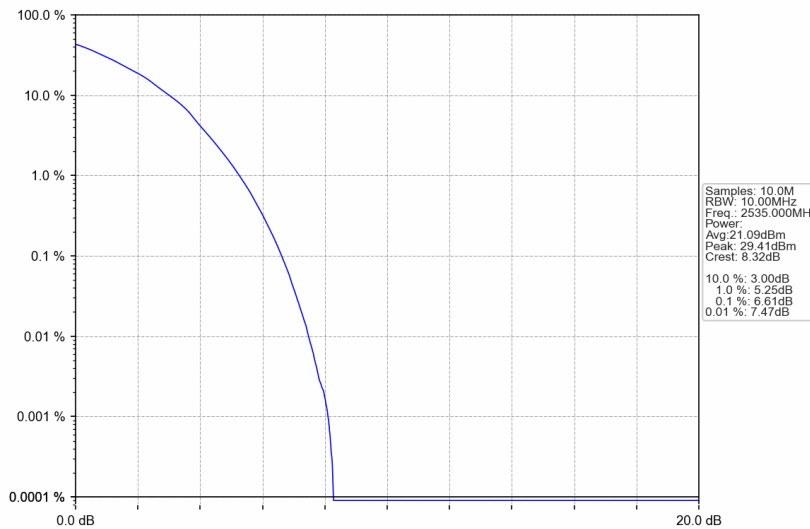
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Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV

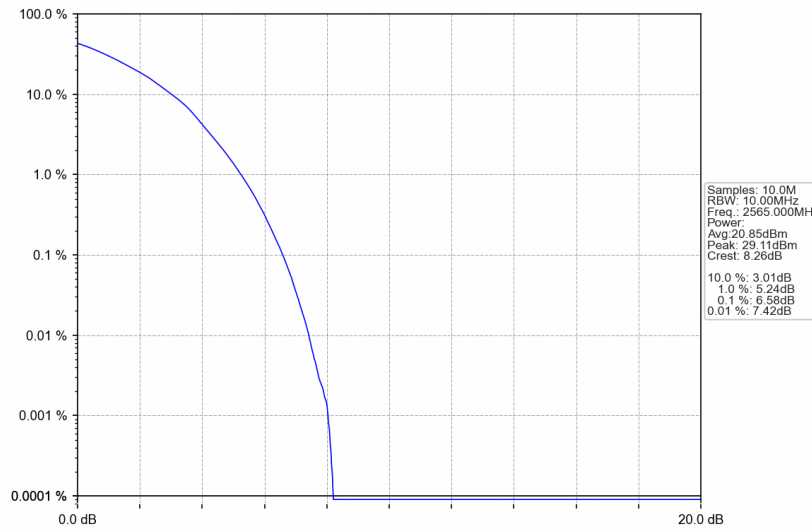


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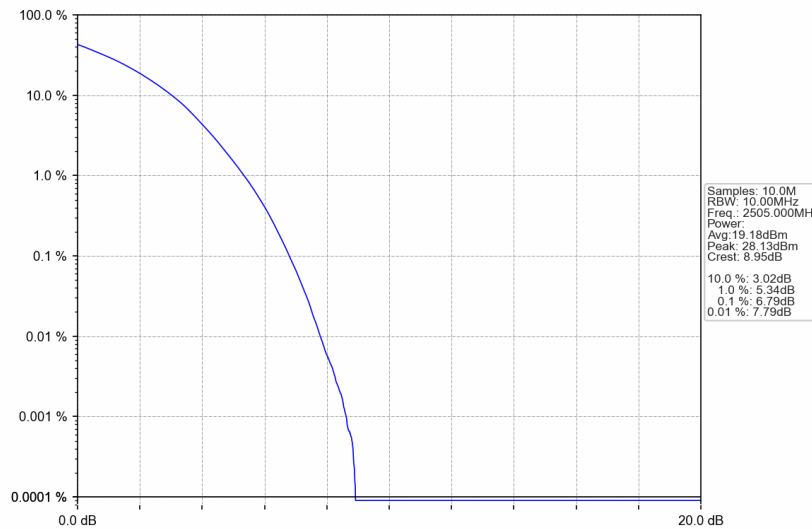
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Band7_10MHz_64QAM_HCH_2565MHz_RB_50_0_NTNV



Band7_10MHz_256QAM_LCH_2505MHz_RB_50_0_NTNV

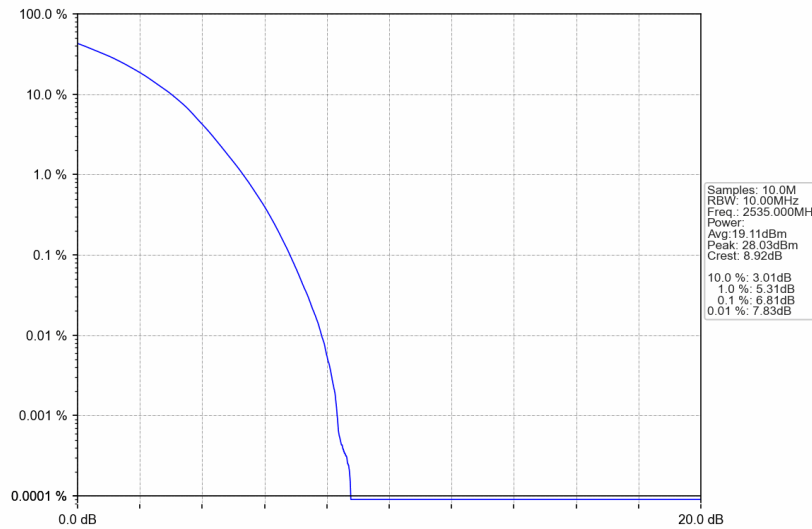


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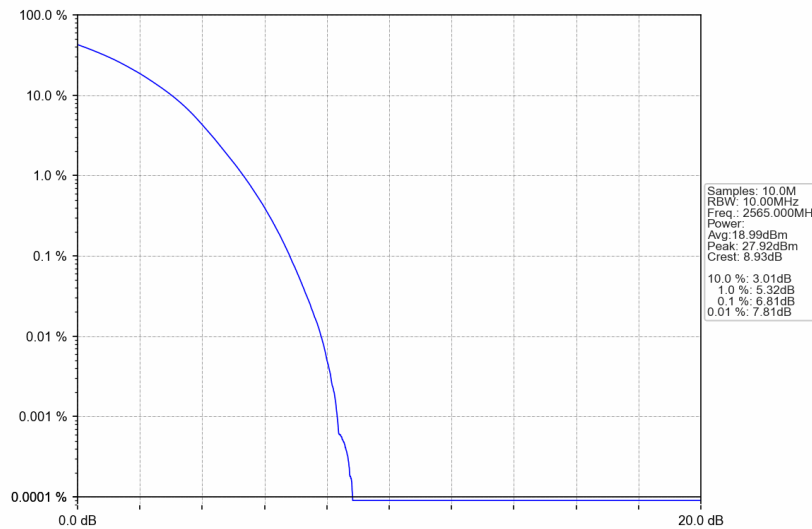
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Band7_10MHz_256QAM_MCH_2535MHz_RB_50_0_NTNV



Band7_10MHz_256QAM_HCH_2565MHz_RB_50_0_NTNV



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4.3 B7_15MHz

4.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.12	<=13	Pass
	2535	75	0	5.12	<=13	Pass
	2562.5	75	0	5.15	<=13	Pass
16QAM	2507.5	75	0	6.37	<=13	Pass
	2535	75	0	6.35	<=13	Pass
	2562.5	75	0	6.44	<=13	Pass
64QAM	2507.5	75	0	6.52	<=13	Pass
	2535	75	0	6.56	<=13	Pass
	2562.5	75	0	6.59	<=13	Pass
256QAM	2507.5	75	0	6.77	<=13	Pass
	2535	75	0	6.79	<=13	Pass
	2562.5	75	0	6.82	<=13	Pass

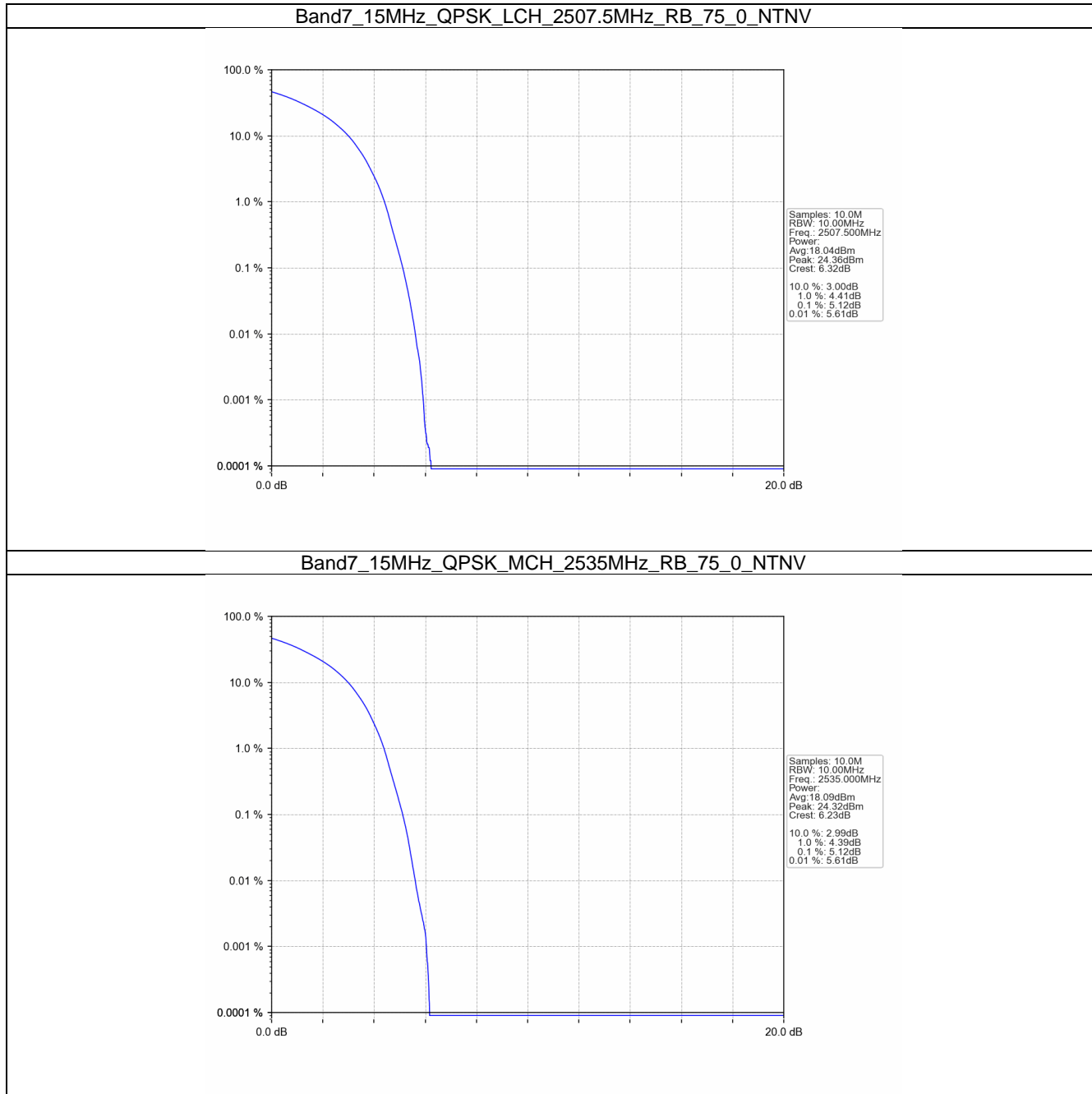


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4.3.2 Test Graph

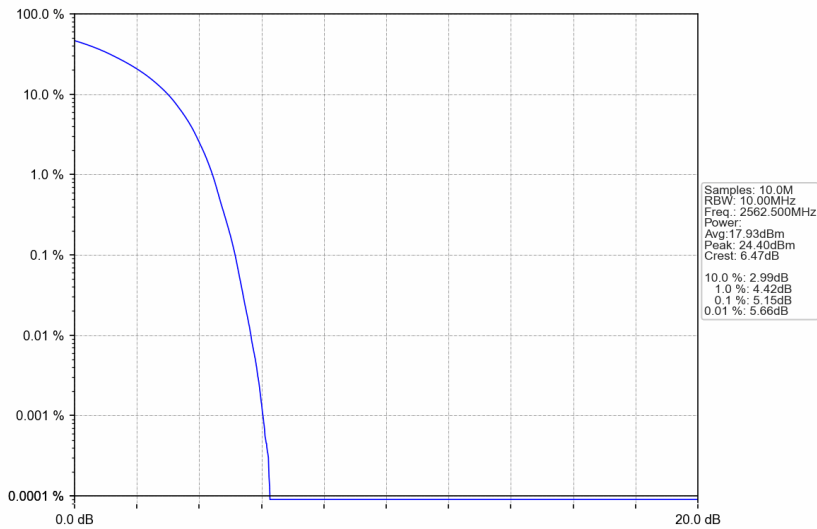


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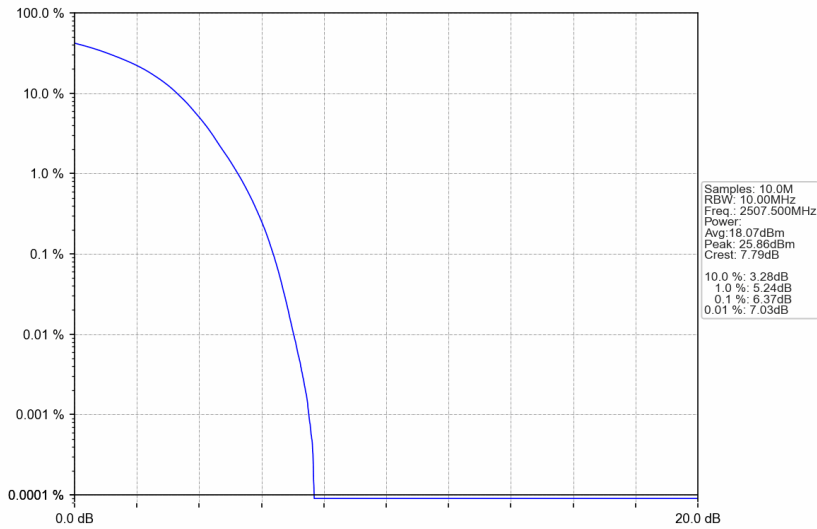
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Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



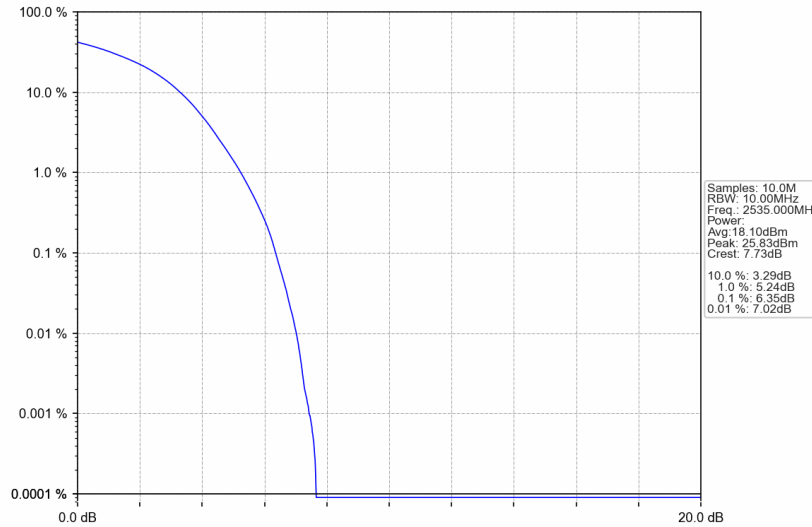
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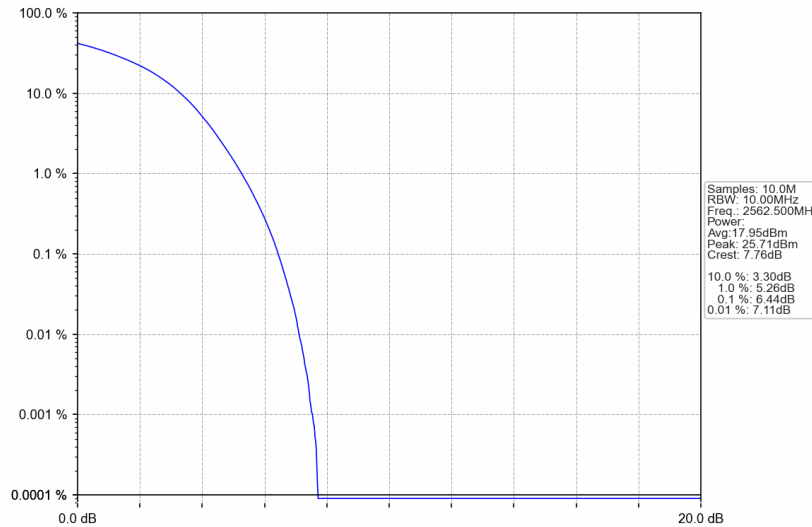
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Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV

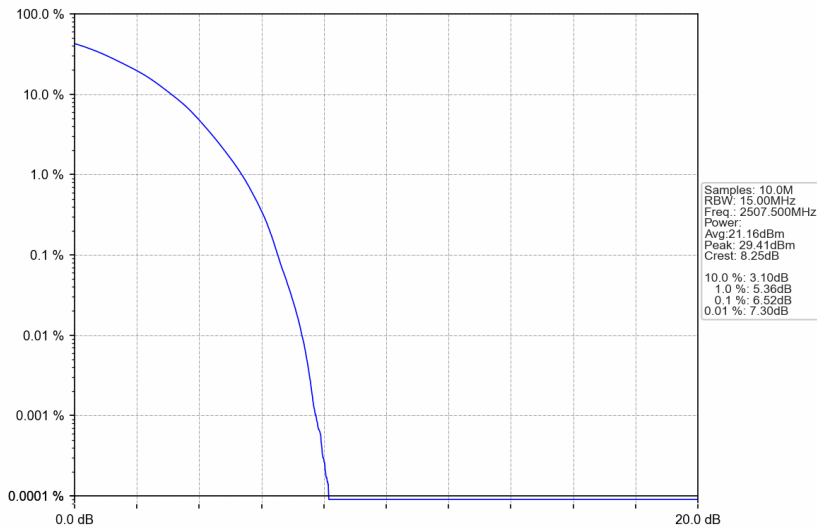


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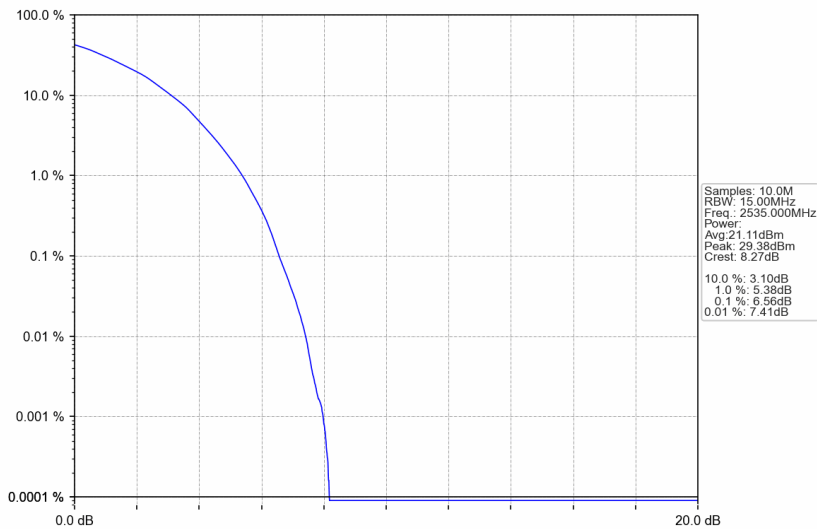
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Band7_15MHz_64QAM_LCH_2507.5MHz_RB_75_0_NTNV



Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV

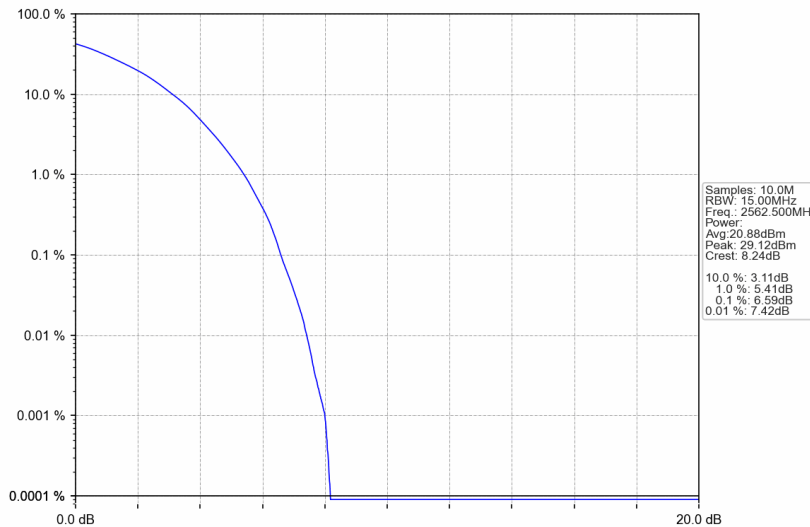


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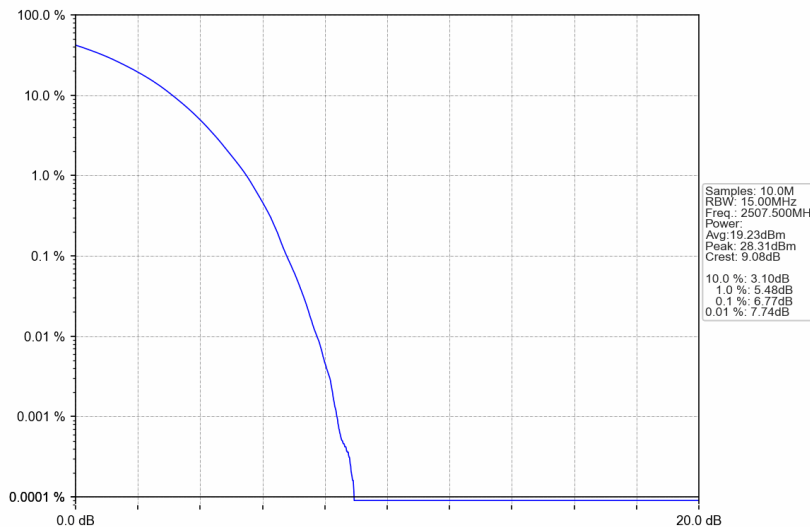
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Band7_15MHz_64QAM_HCH_2562.5MHz_RB_75_0_NTNV



Band7_15MHz_256QAM_LCH_2507.5MHz_RB_75_0_NTNV

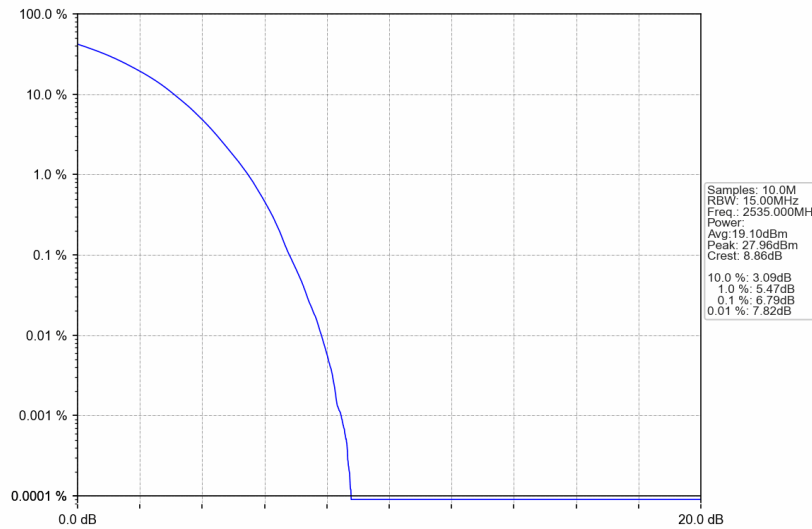


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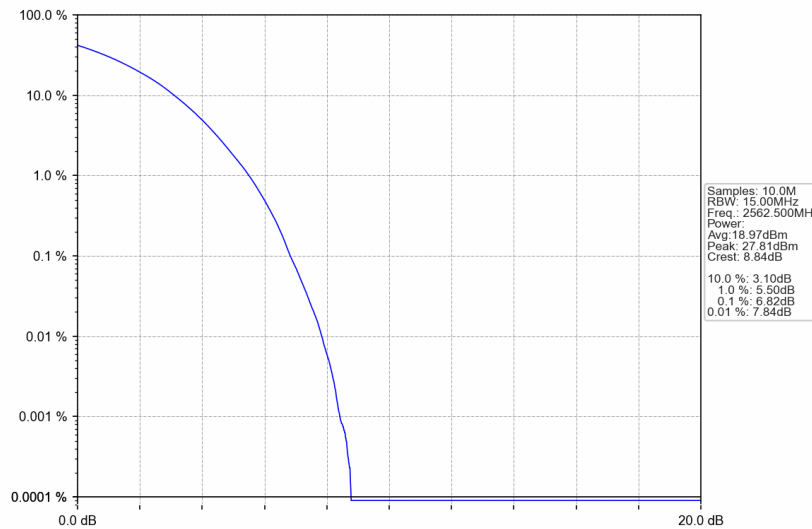
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Band7_15MHz_256QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_15MHz_256QAM_HCH_2562.5MHz_RB_75_0_NTNV



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4.4 B7_20MHz

4.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.82	<=13	Pass
	2535	100	0	5.85	<=13	Pass
	2560	100	0	5.88	<=13	Pass
16QAM	2510	100	0	6.84	<=13	Pass
	2535	100	0	6.83	<=13	Pass
	2560	100	0	6.88	<=13	Pass
64QAM	2510	100	0	6.52	<=13	Pass
	2535	100	0	6.56	<=13	Pass
	2560	100	0	6.60	<=13	Pass
256QAM	2510	100	0	6.85	<=13	Pass
	2535	100	0	6.78	<=13	Pass
	2560	100	0	6.84	<=13	Pass



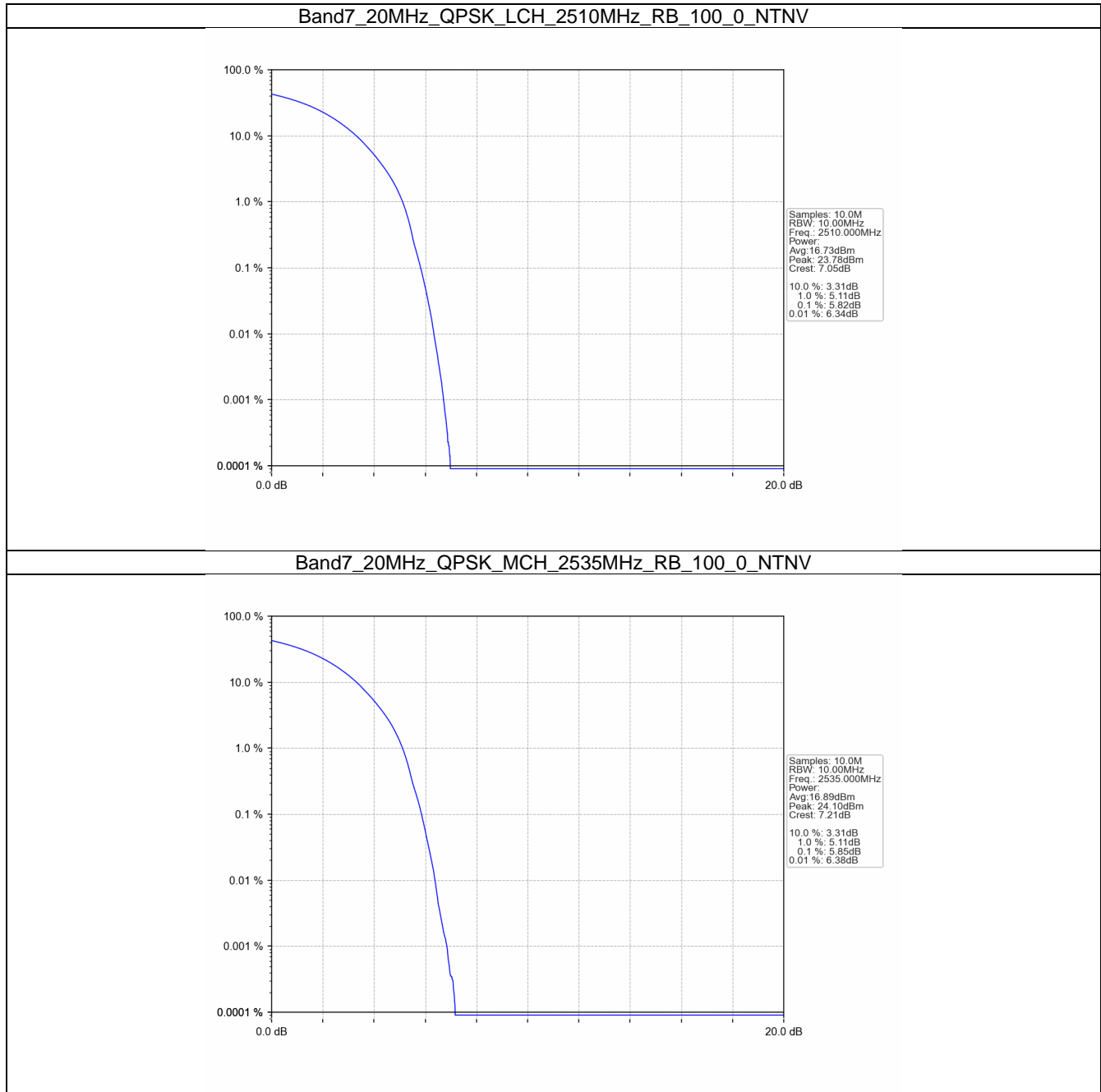
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4.4.2 Test Graph

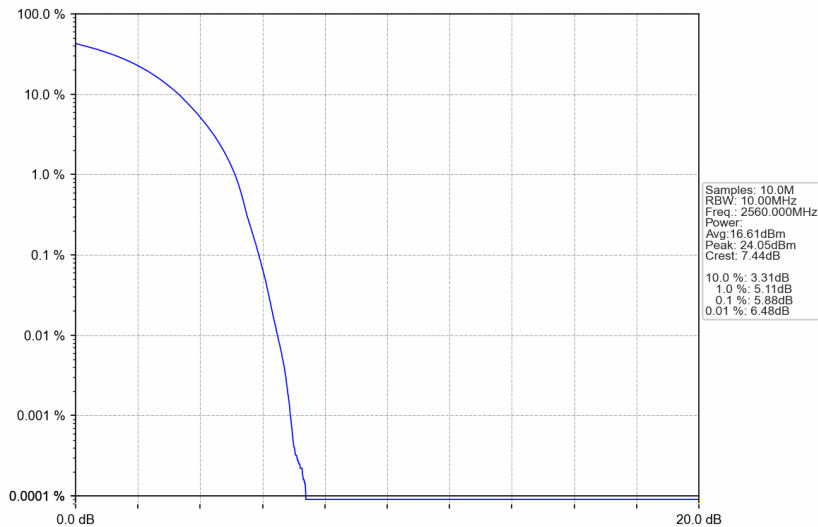


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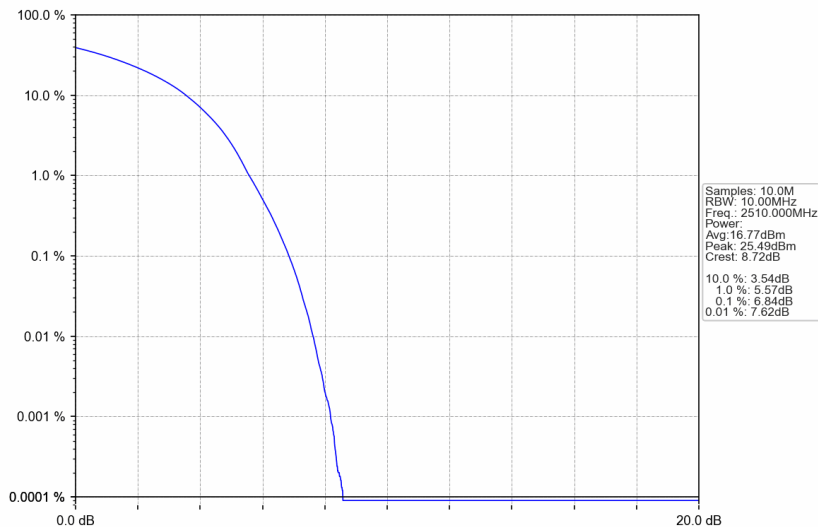
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Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV

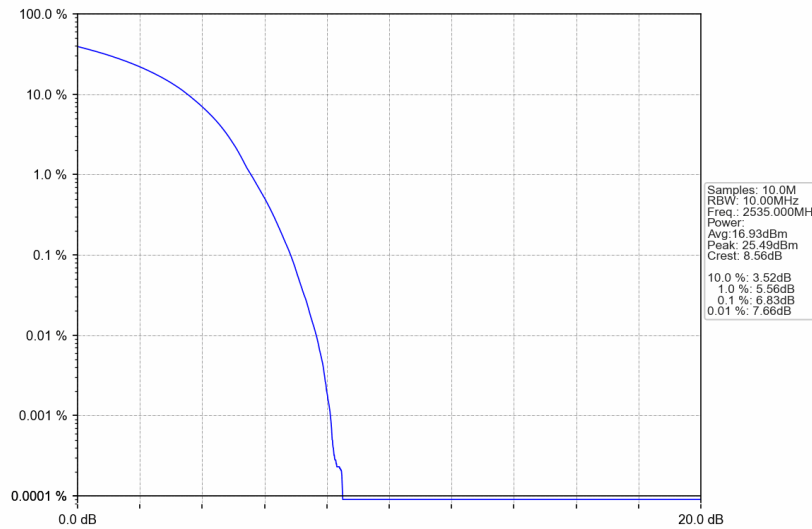


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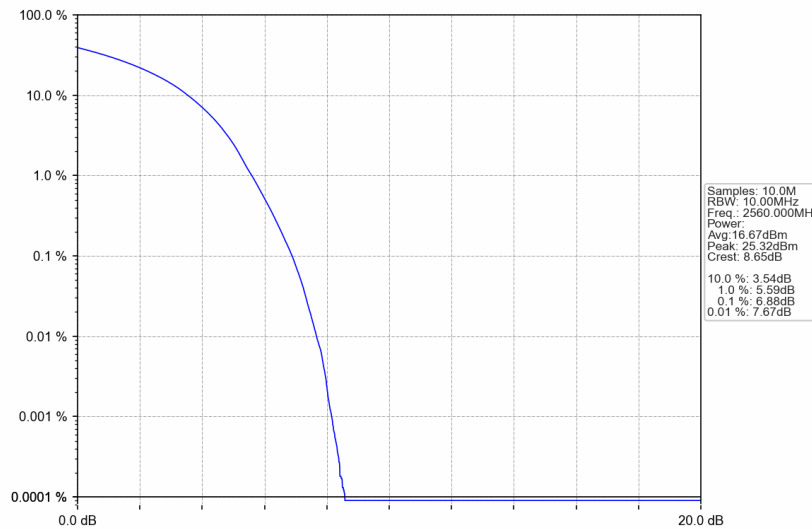
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Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

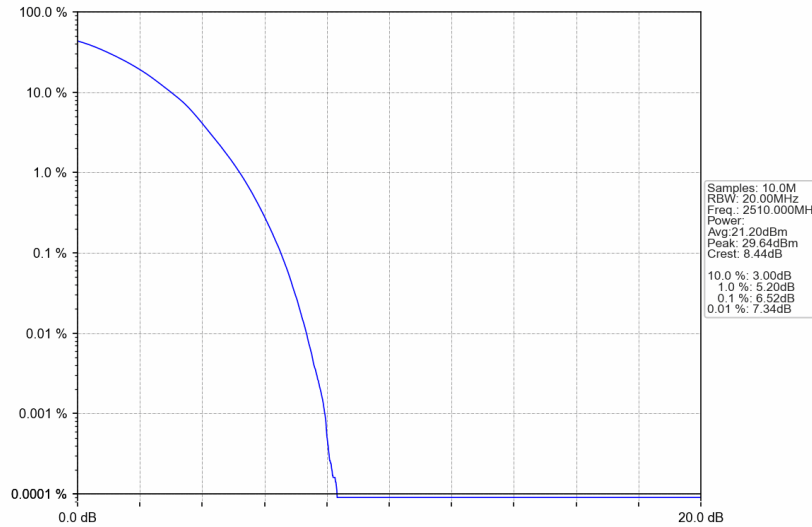


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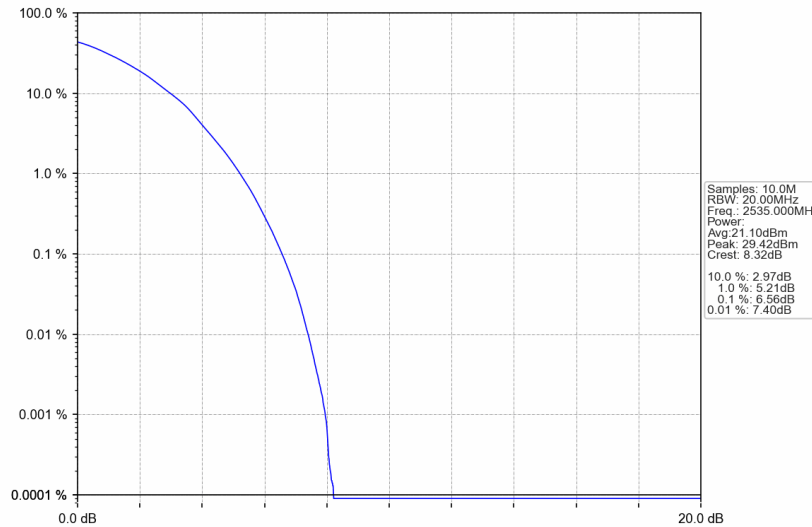
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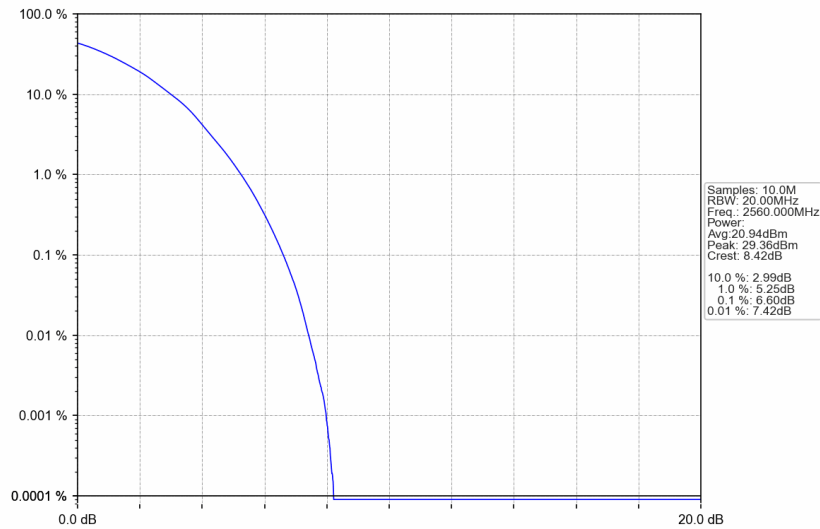
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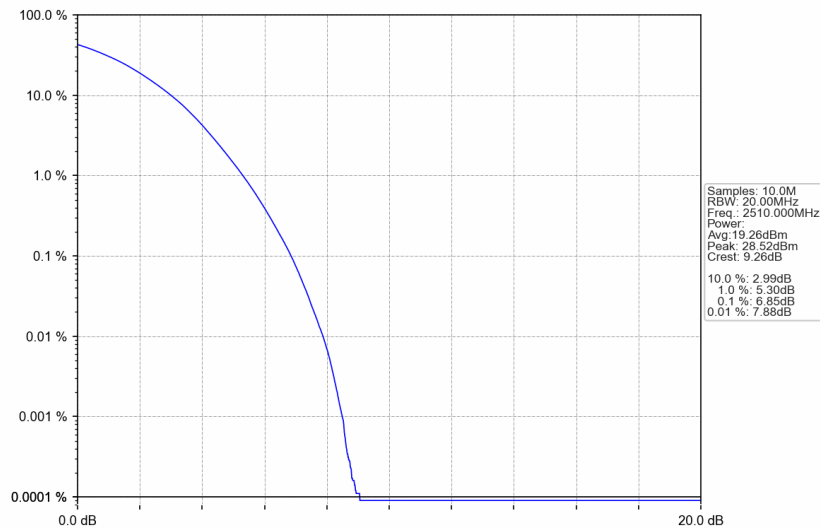
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Band7_20MHz_256QAM_LCH_2510MHz_RB_100_0_NTNV



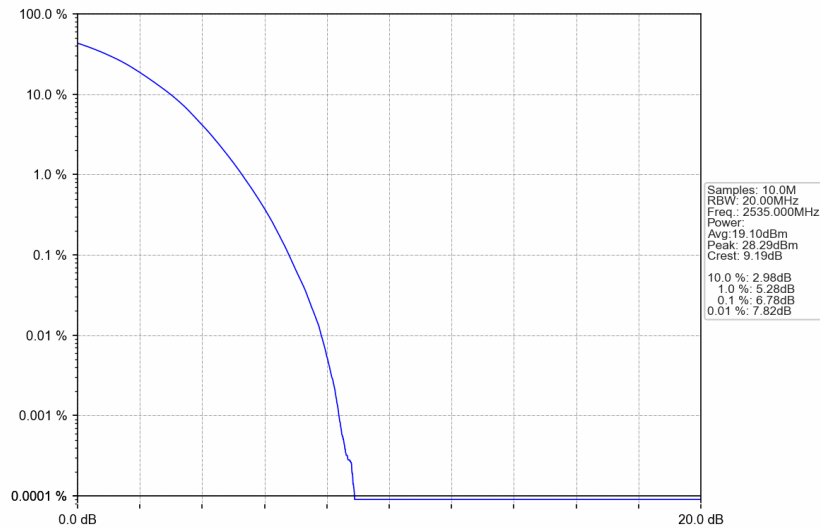
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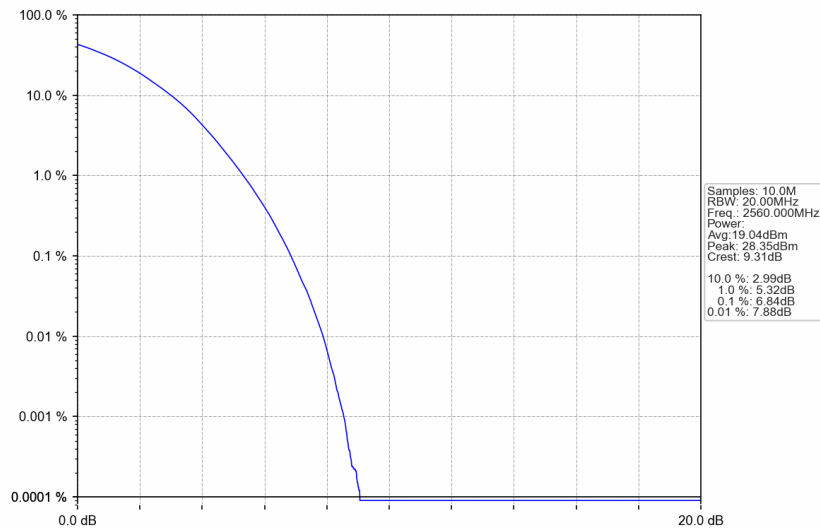
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5. Spurious Emission & Band Edges

5.1 B7_5MHz

5.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	2502.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	2535	1	0	Refer To Test Graph		Pass	
		2567.5	1	0	Refer To Test Graph		Pass
			24		Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass	
16QAM	2502.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	2535	1	0	Refer To Test Graph		Pass	
		2567.5	1	0	Refer To Test Graph		Pass
			24		Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass	
64QAM	2502.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	2535	1	0	Refer To Test Graph		Pass	
		2567.5	1	0	Refer To Test Graph		Pass
			24		Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass	
256QAM	2502.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	2535	1	0	Refer To Test Graph		Pass	
		2567.5	1	0	Refer To Test Graph		Pass
			24		Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass	

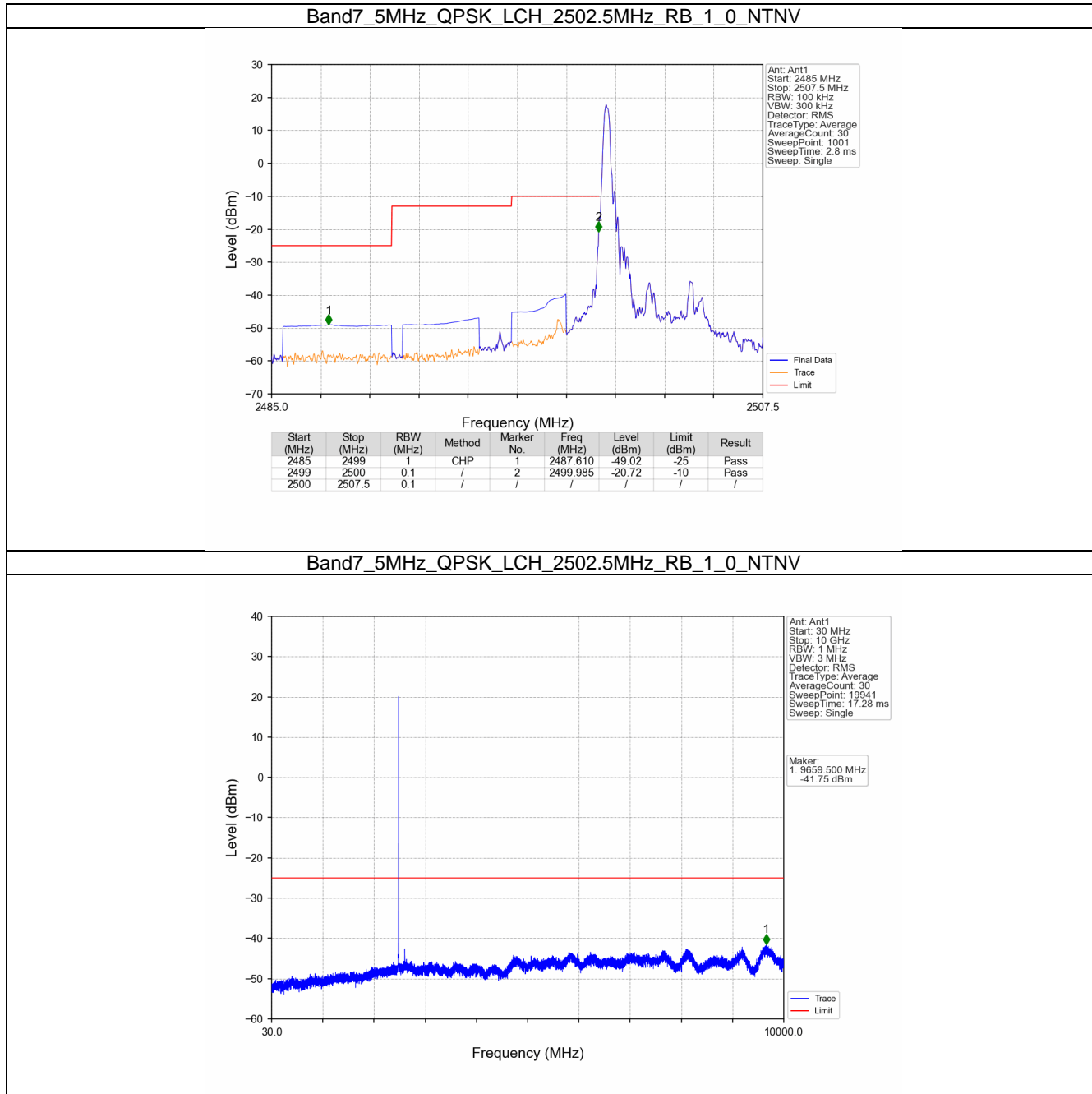


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5.1.2 Test Graph

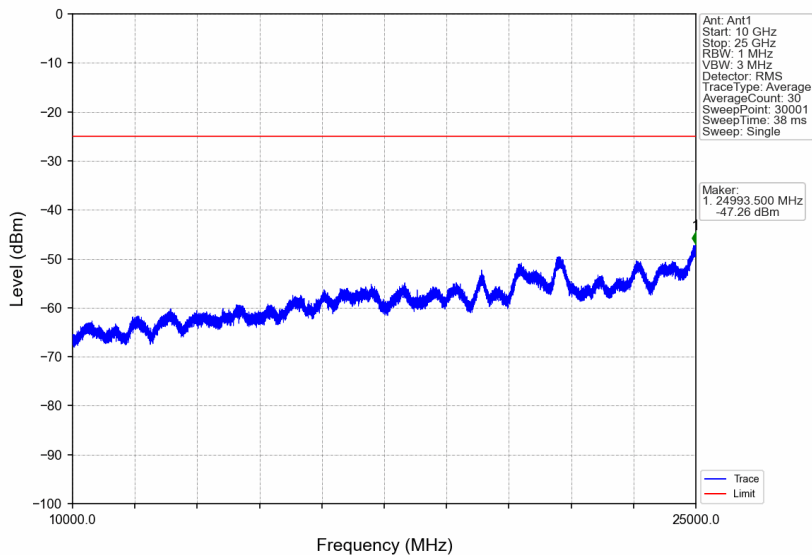


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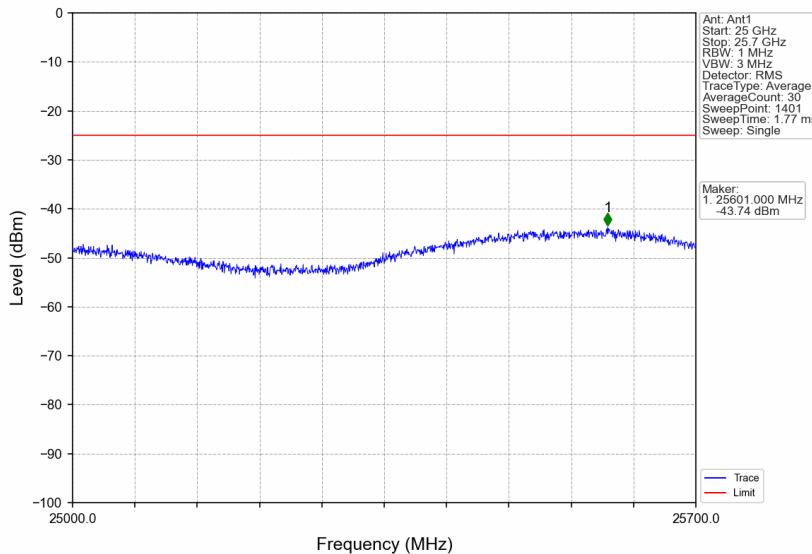
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Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

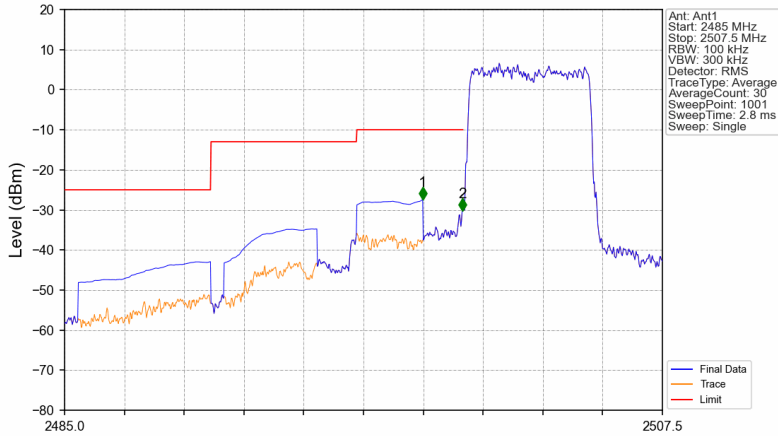


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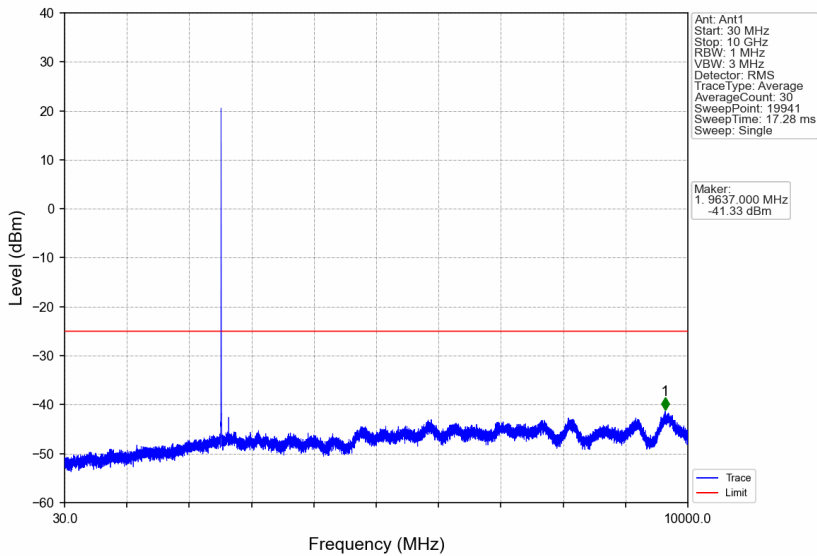
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Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-27.39	-10	Pass
2499	2500	0.1	/	2	2499.985	-30.27	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/

Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV

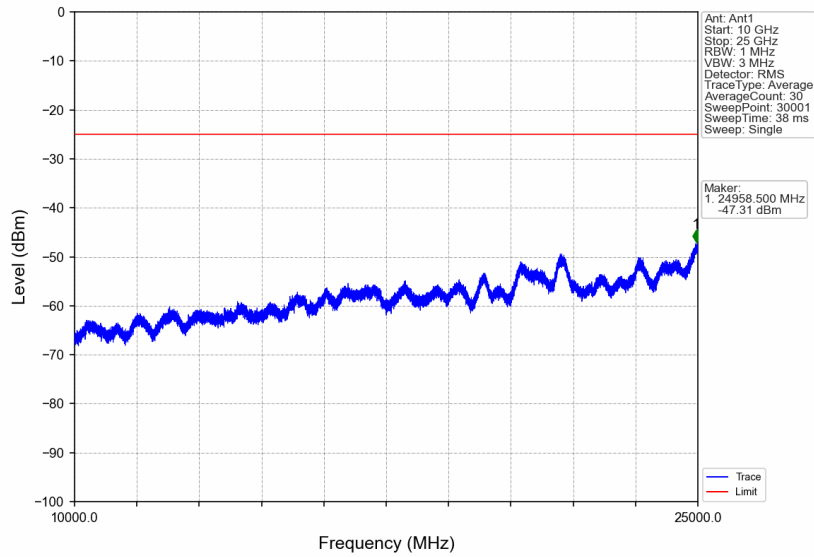


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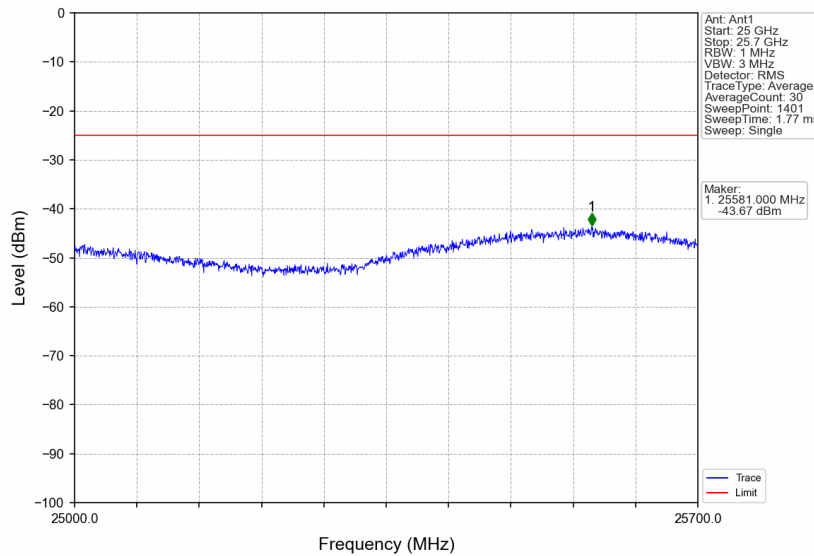
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Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV

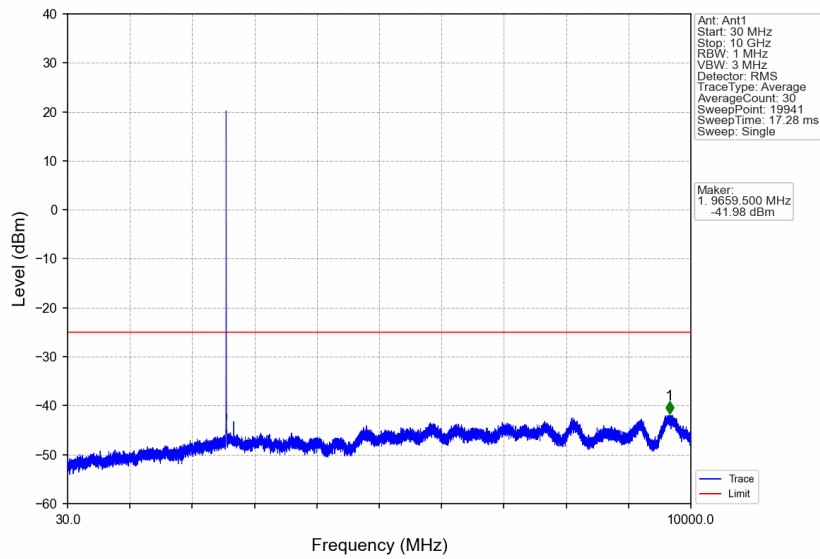


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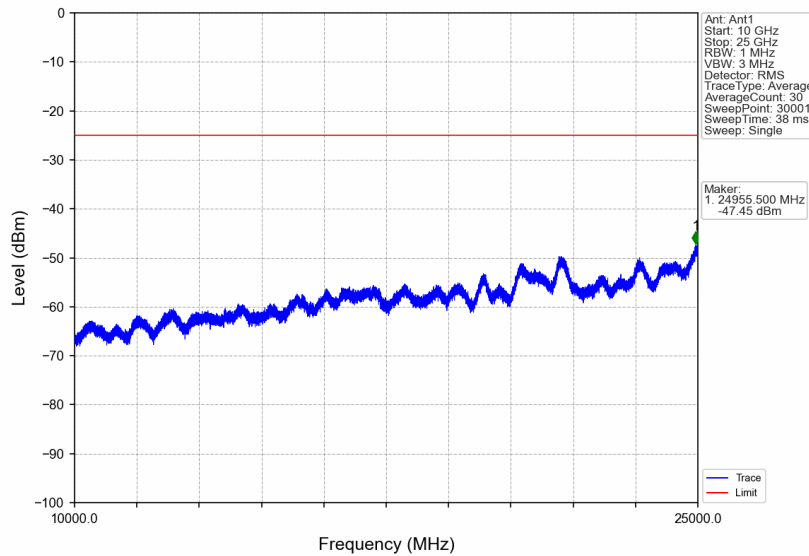
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

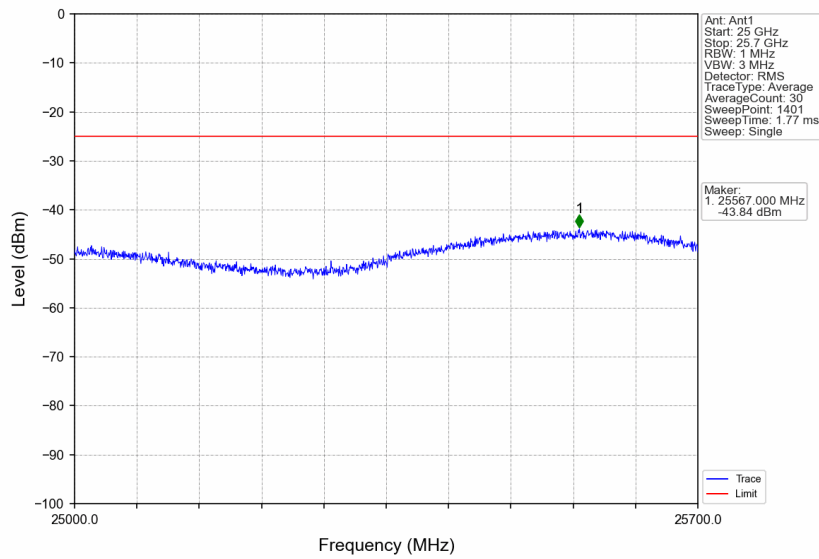


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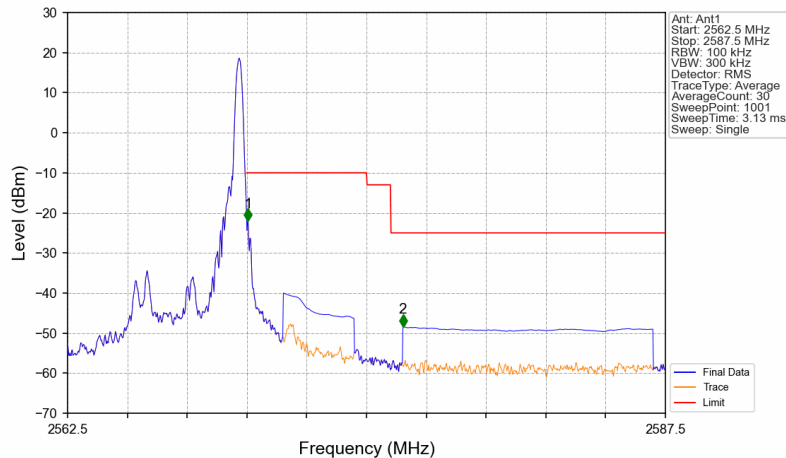
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	1	2570.050	-22.06	-10	Pass
2570	2571	0.1	/	1	2570.050	-22.06	-10	Pass
2571	2587.5	1	CHP	2	2576.525	-48.41	-25	Pass



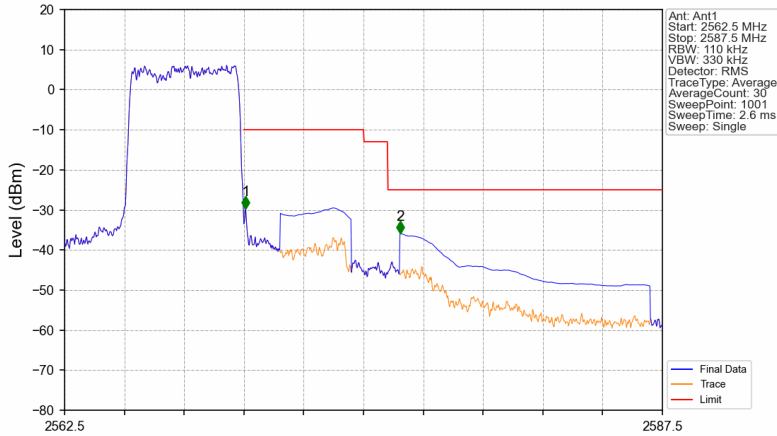
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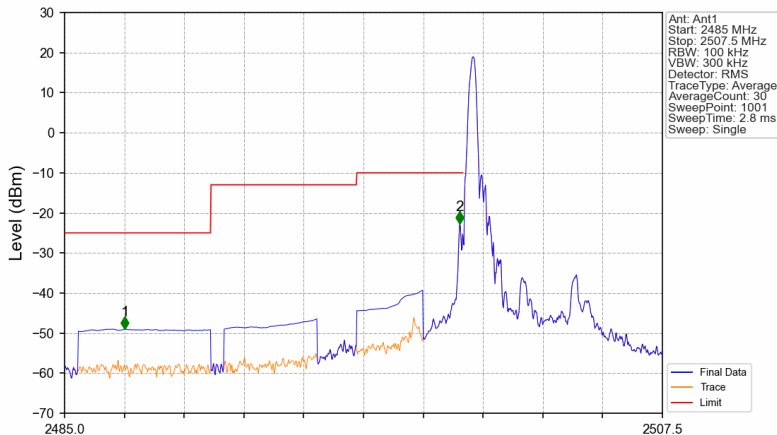
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Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.075	-29.81	-10	Pass
2571	2587.5	1	CHP	2	2576.550	-35.96	-25	Pass

Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2487.273	-49.02	-25	Pass
2499	2500	0.1	/	2	2499.872	-22.78	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/

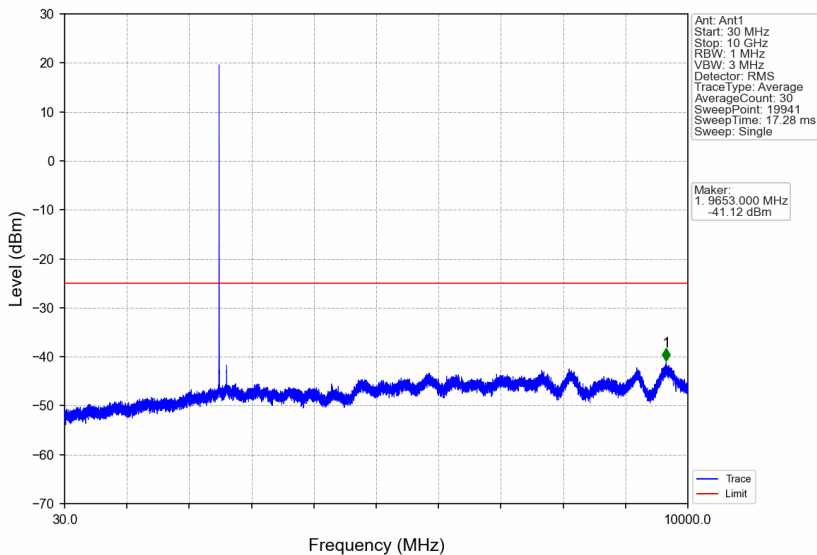


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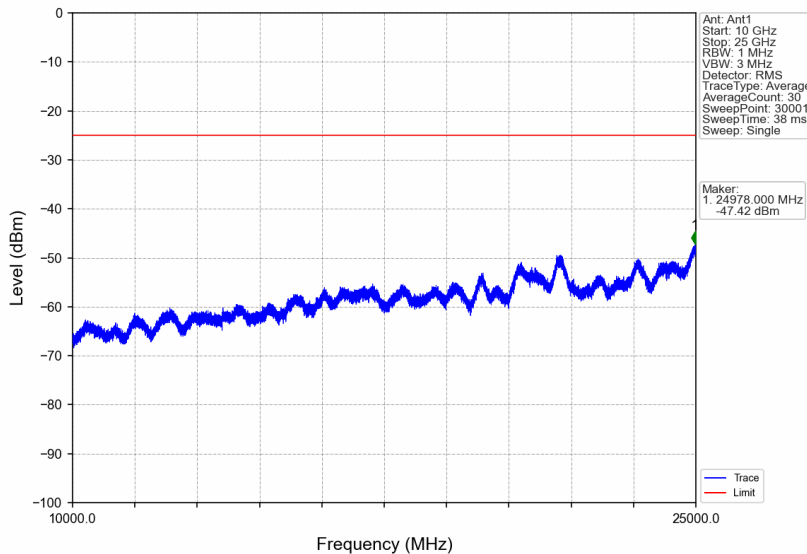
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Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



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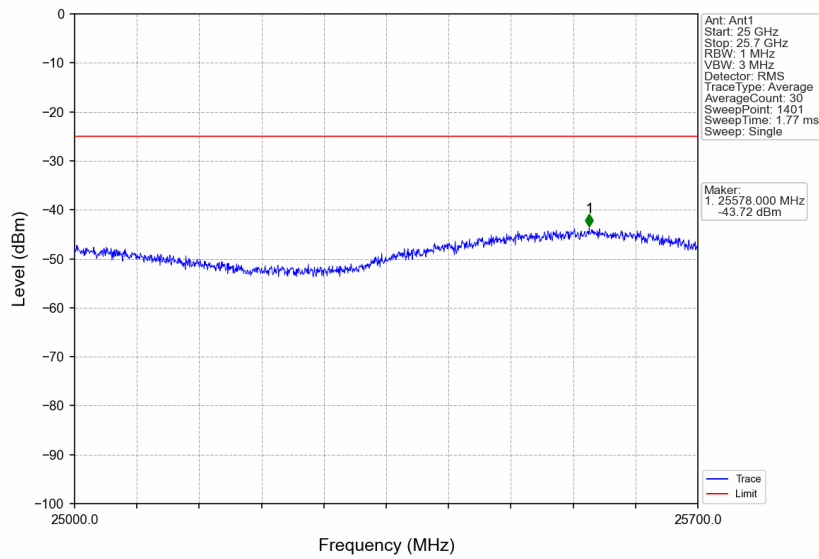
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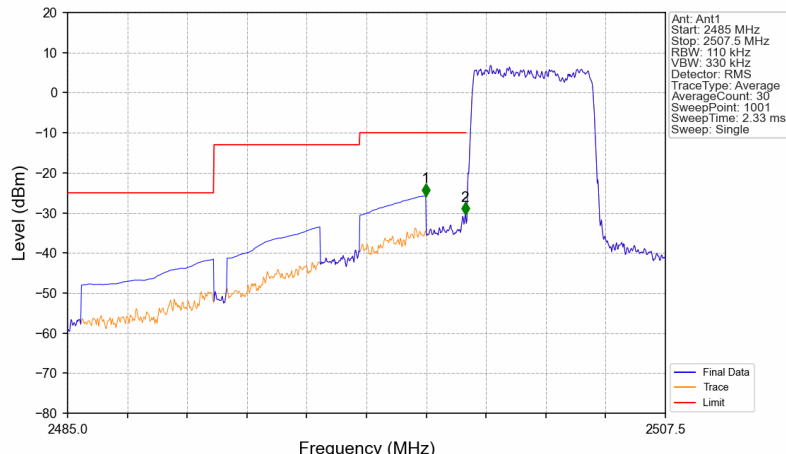
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Band7_5MHz_16QAM_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-25.76	-10	Pass
2499	2500	0.11	/	2	2499.963	-30.49	-10	Pass
2500	2507.5	0.11	/	/	/	/	/	/

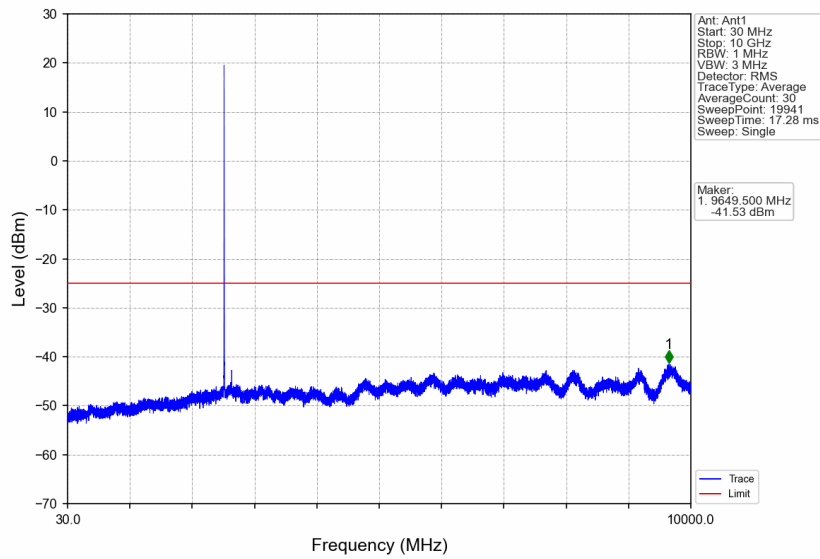


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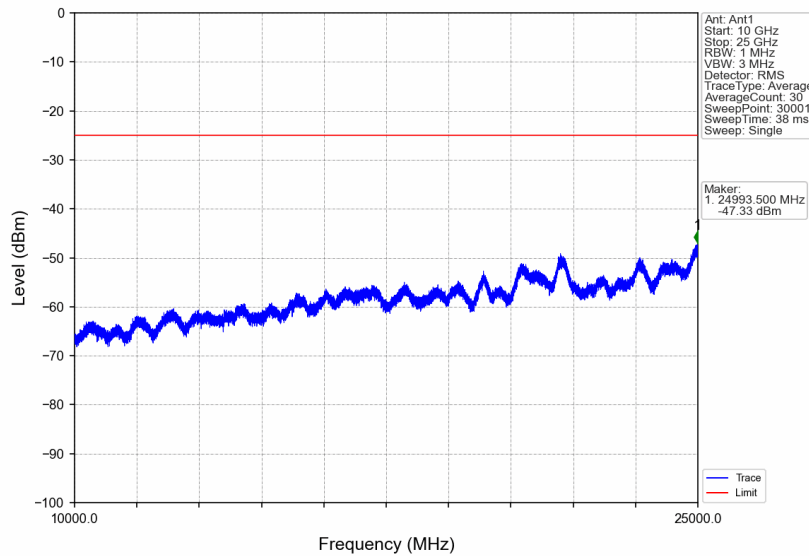
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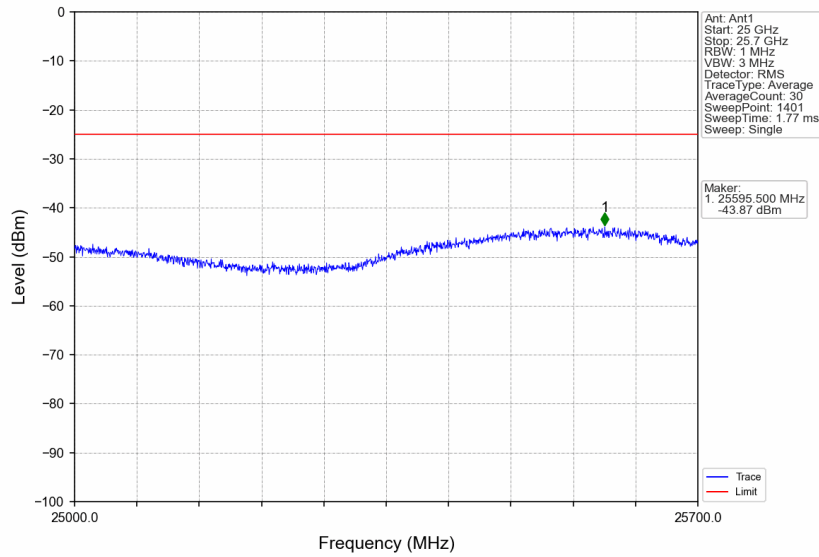
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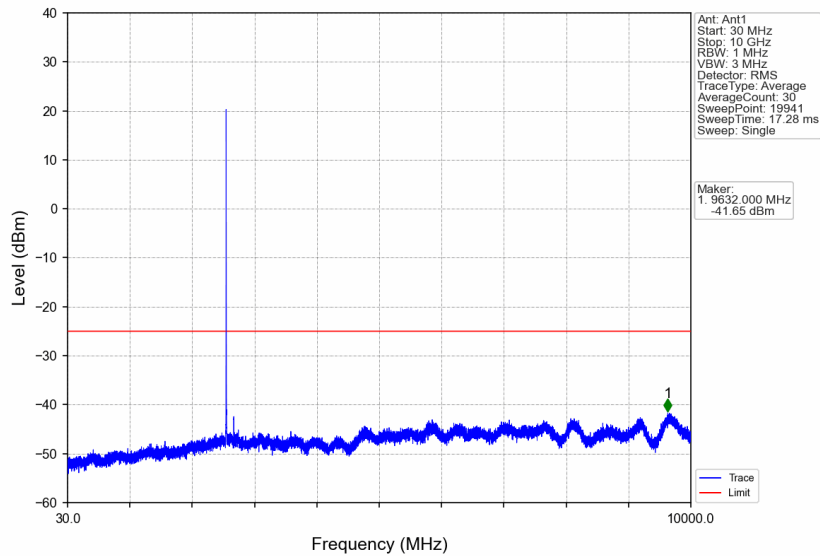
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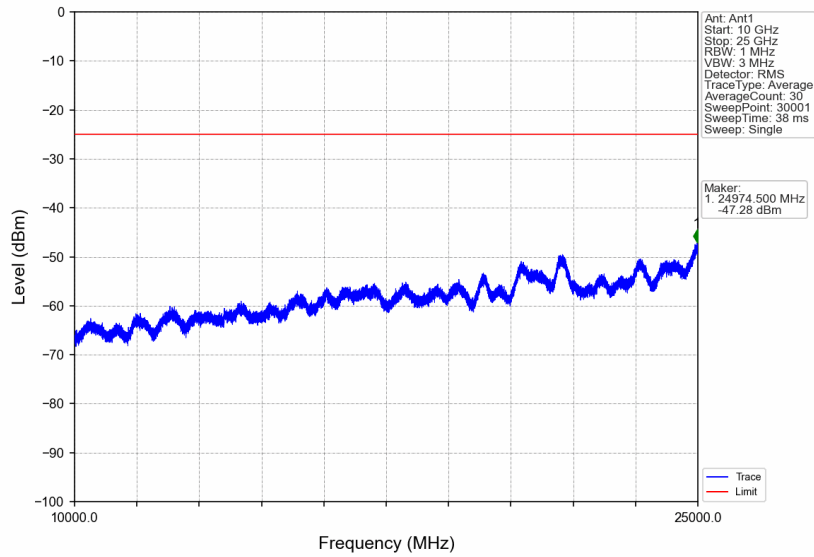


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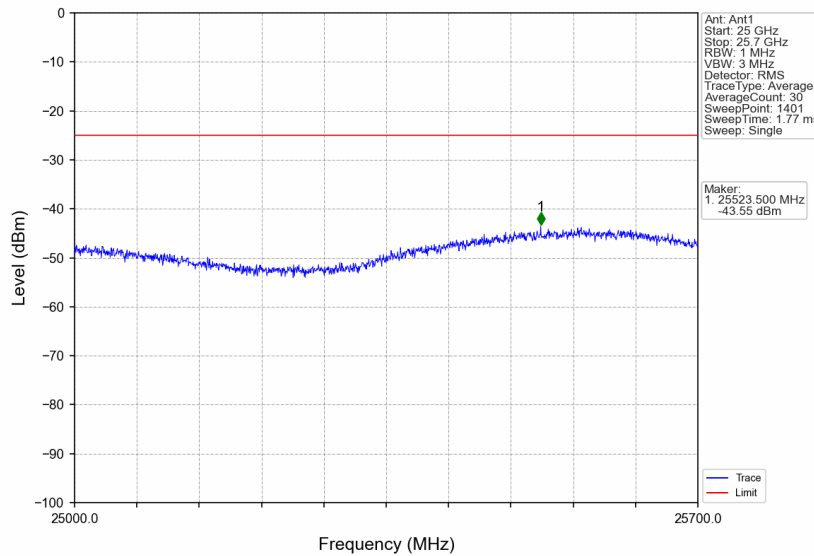
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Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_0_NTNV



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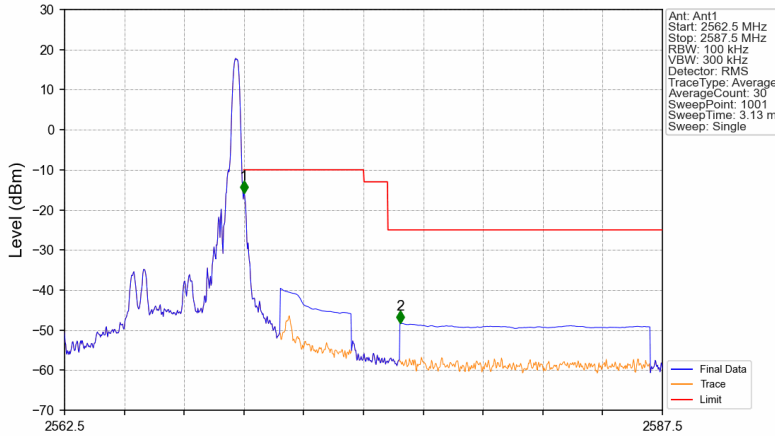
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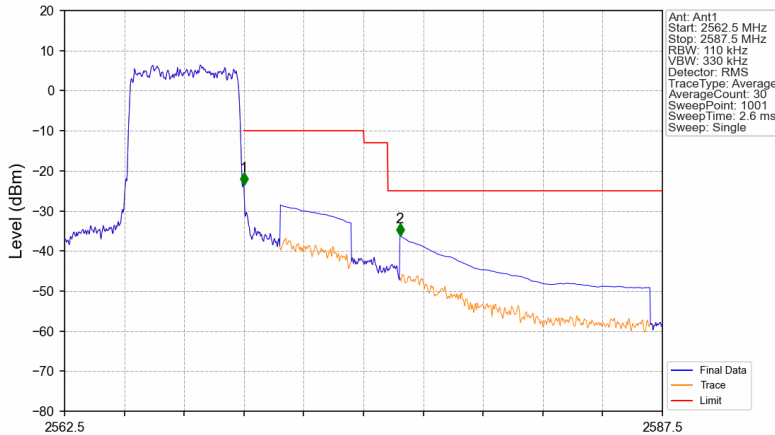
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Band7_5MHz_16QAM_HCH_2567.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.000	-15.90	-10	Pass
2571	2587.5	1	CHP	2	2576.550	-48.33	-25	Pass

Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.000	-23.54	-10	Pass
2571	2587.5	1	CHP	2	2576.525	-36.28	-25	Pass



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