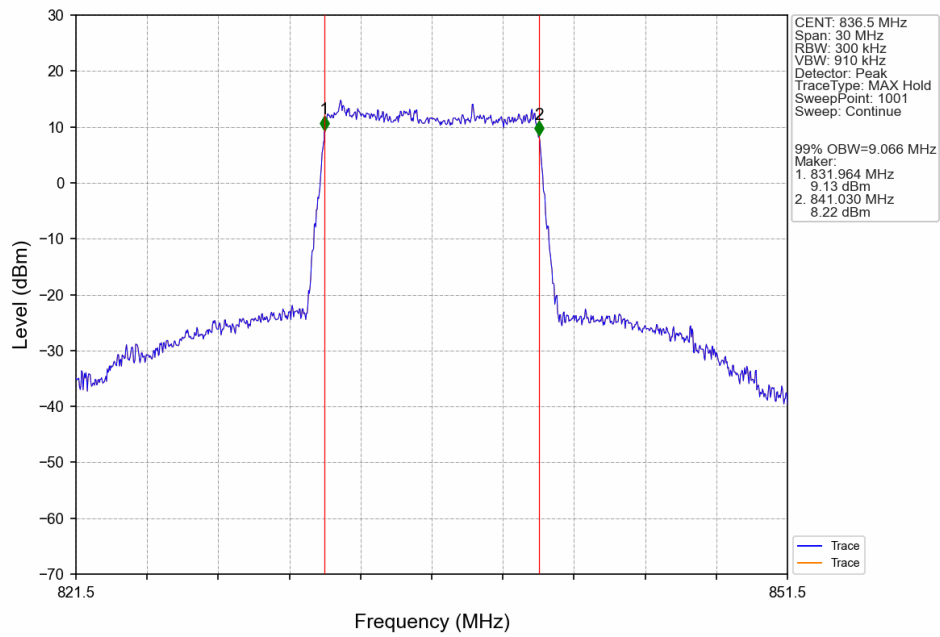
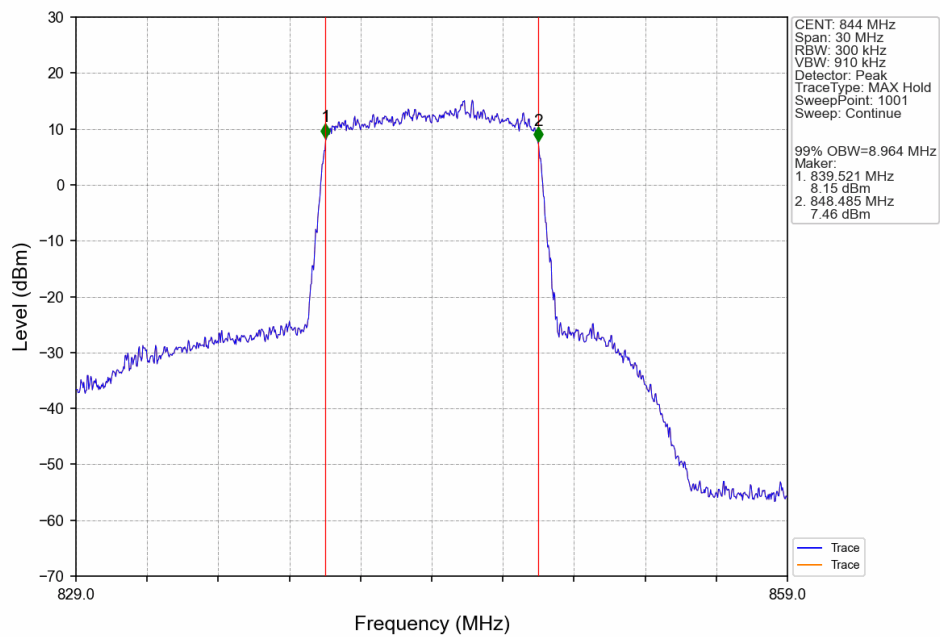


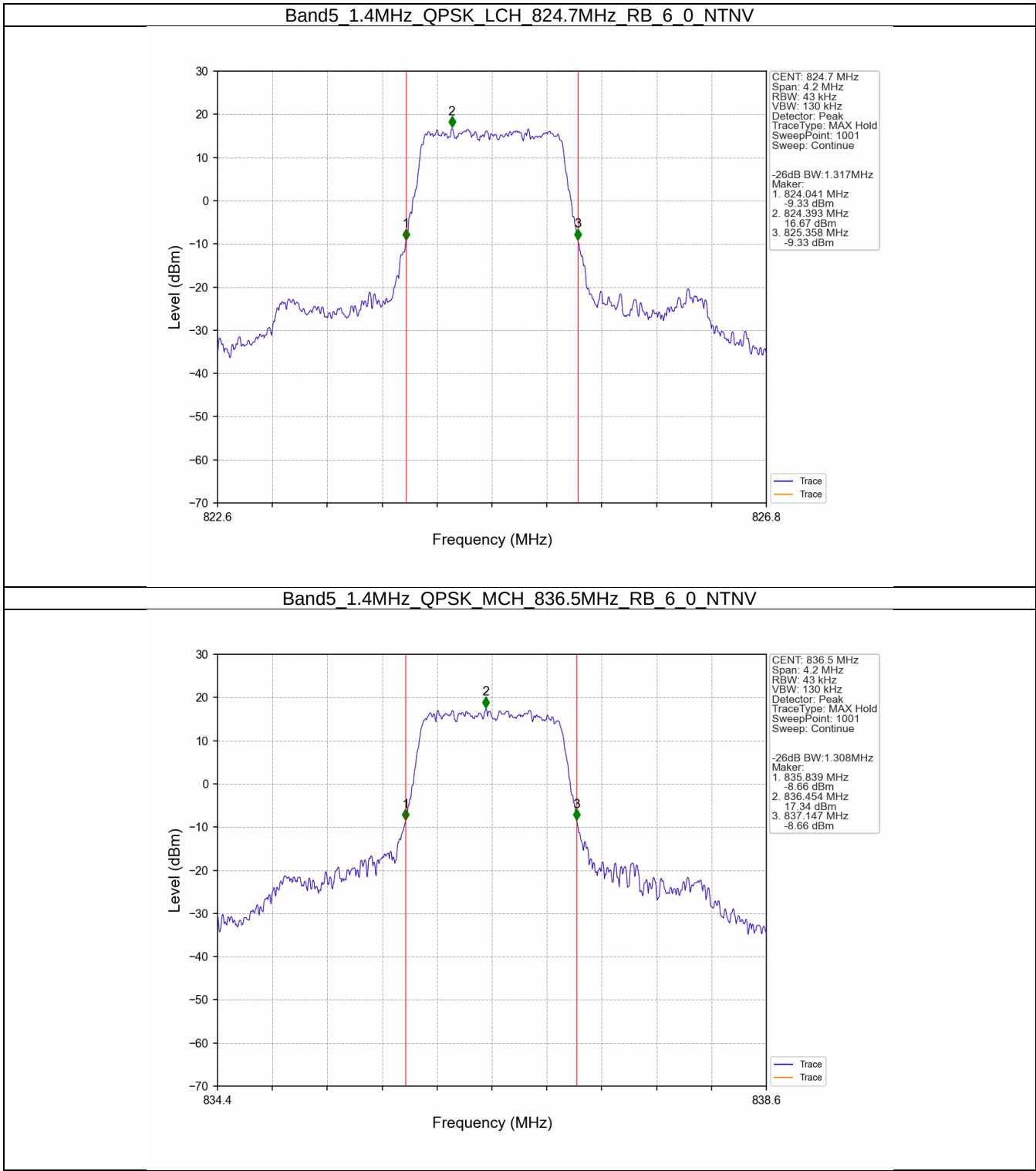
Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTNV



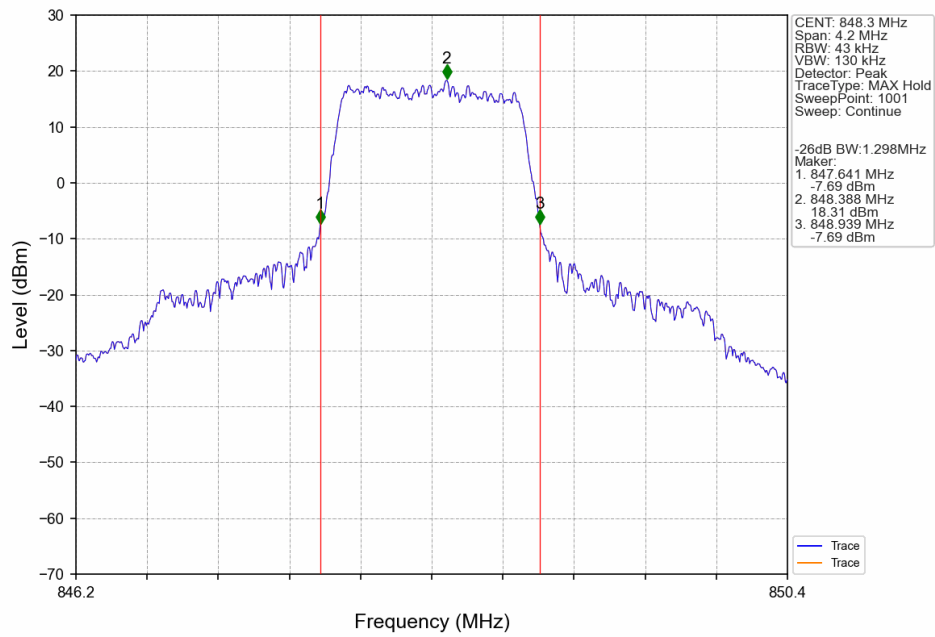
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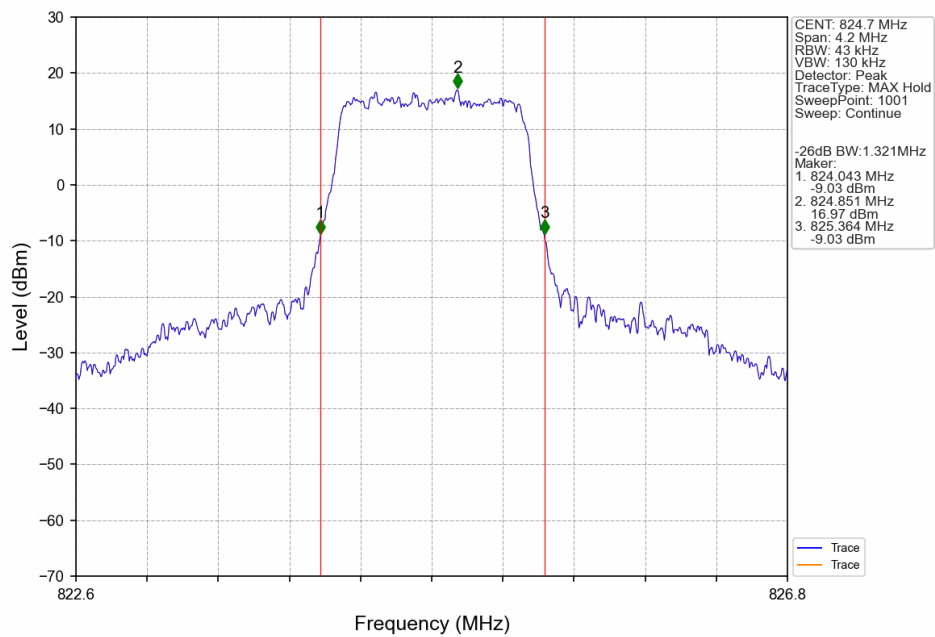
3.2.2 Band5_XDB



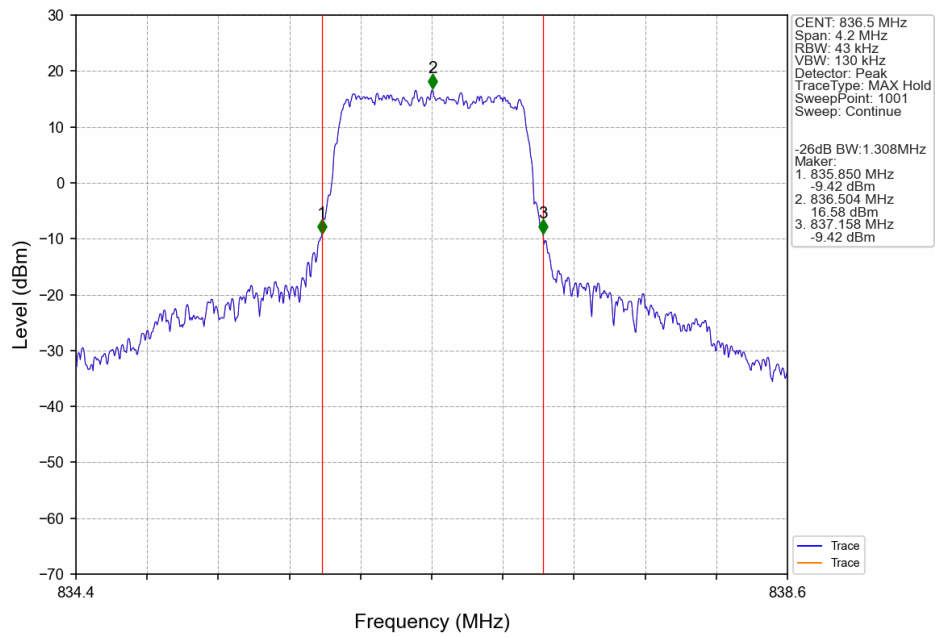
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



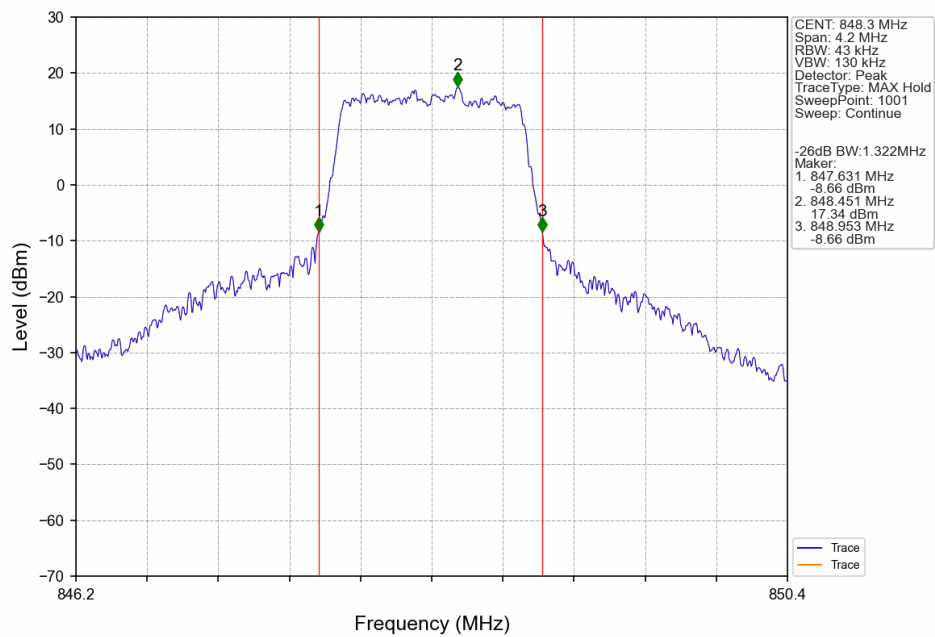
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



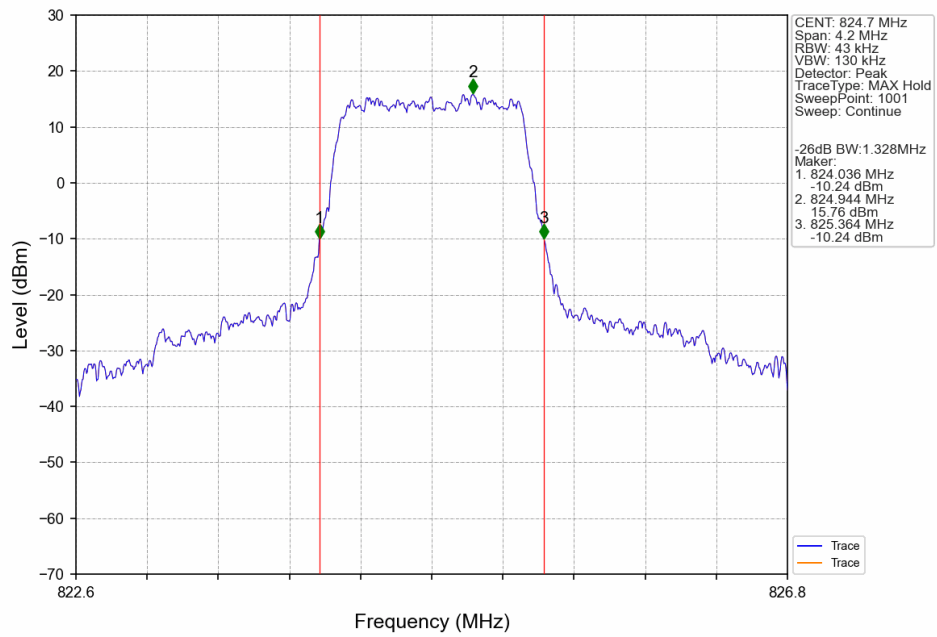
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



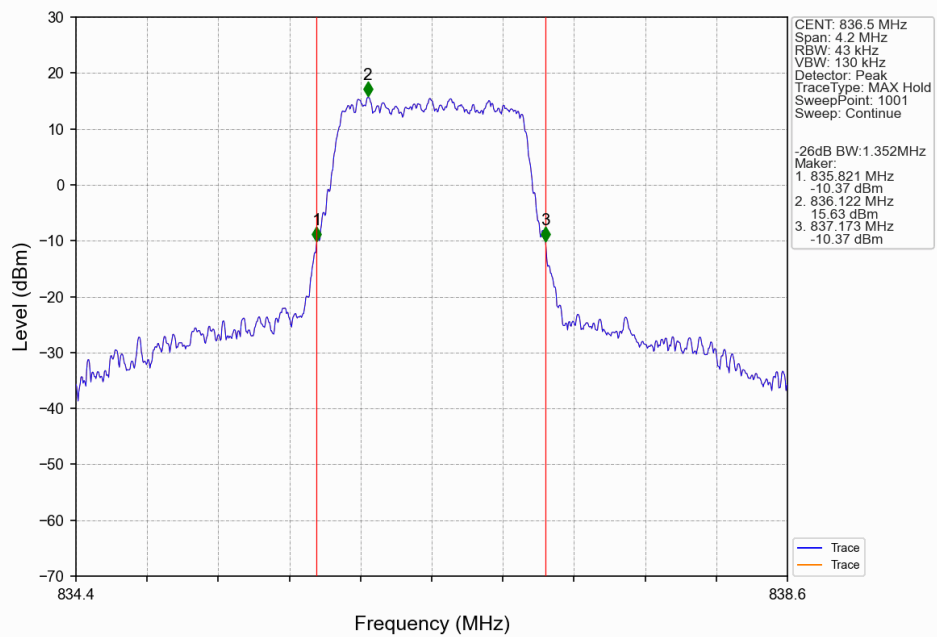
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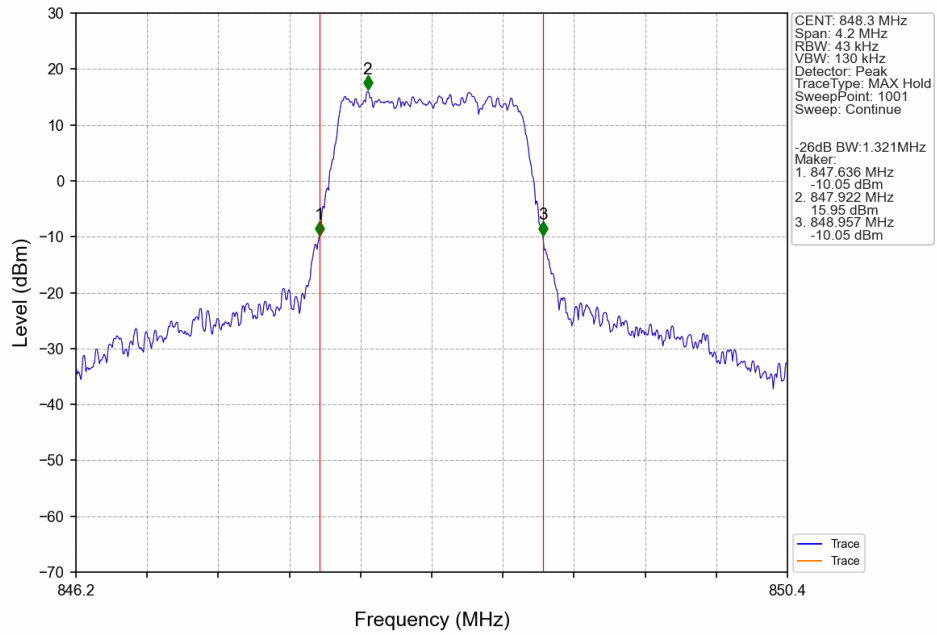
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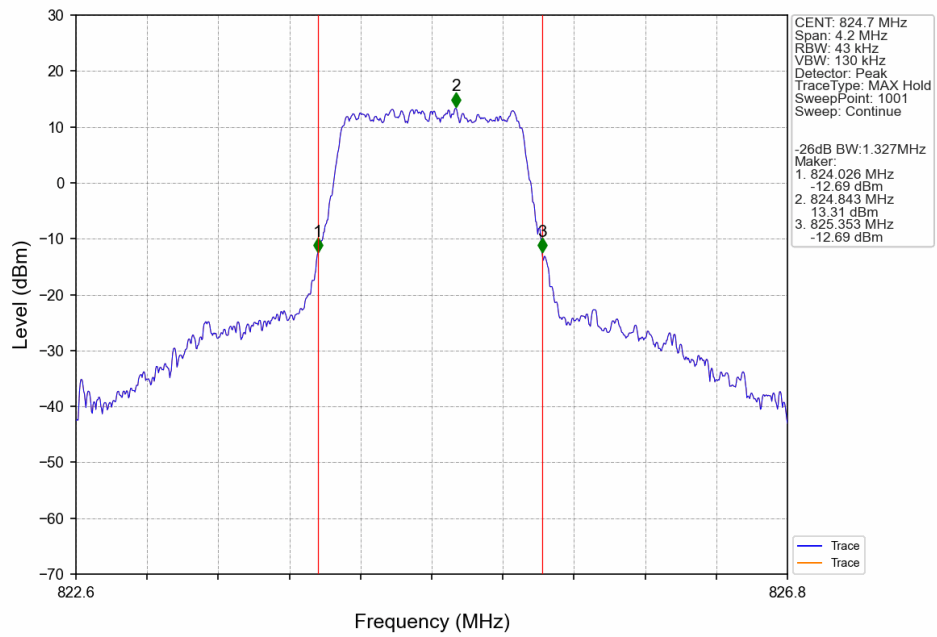
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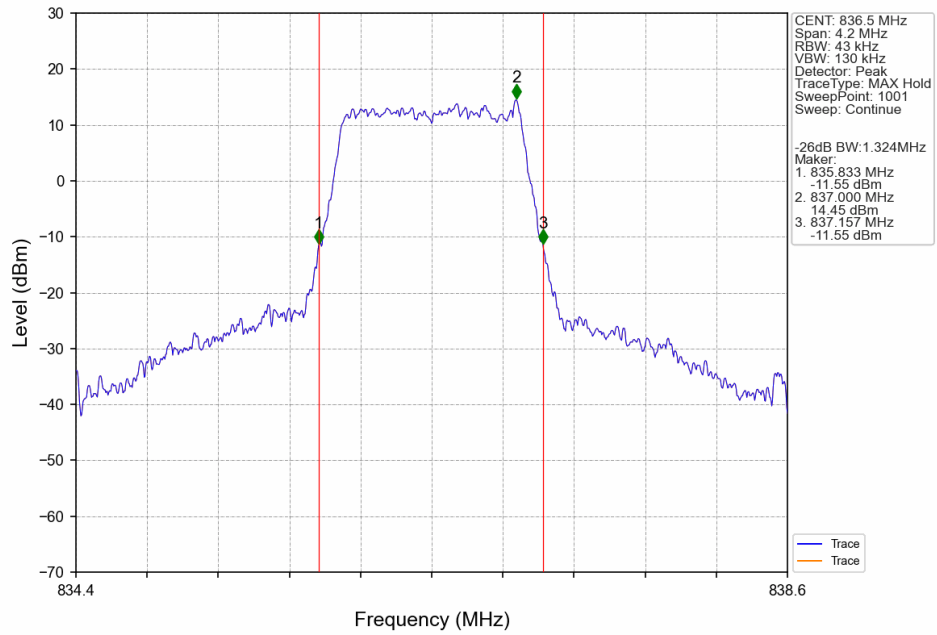
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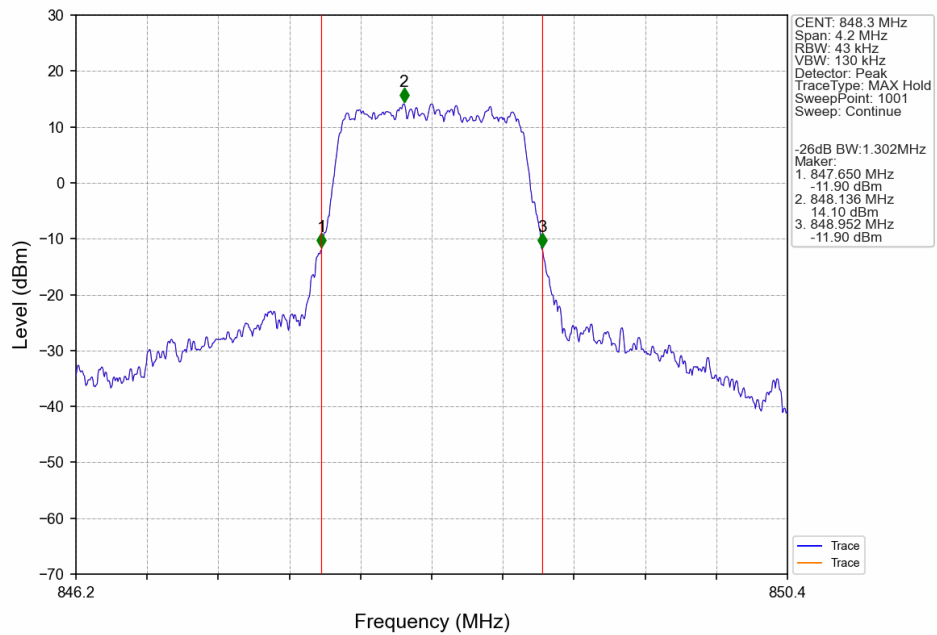
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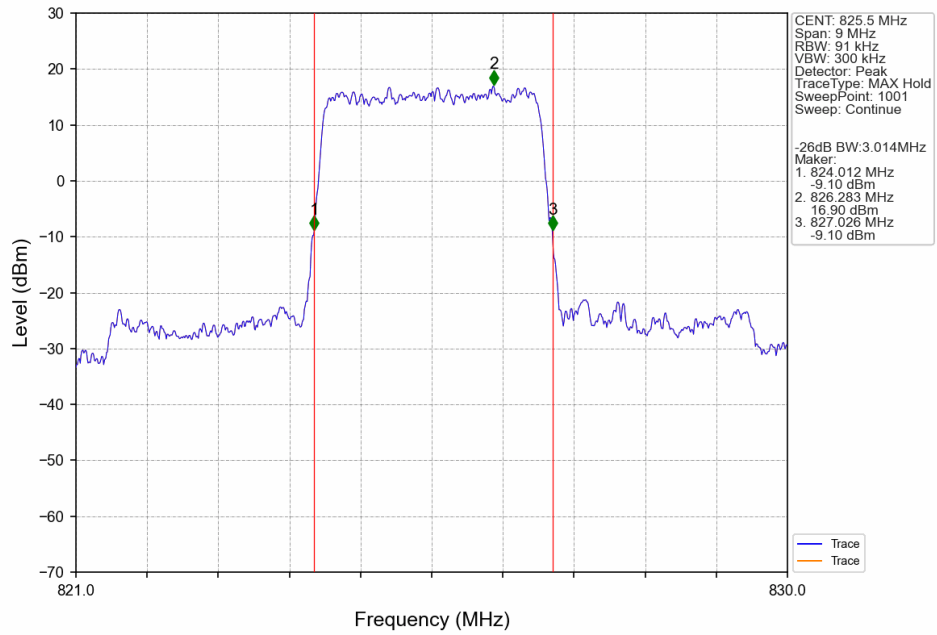
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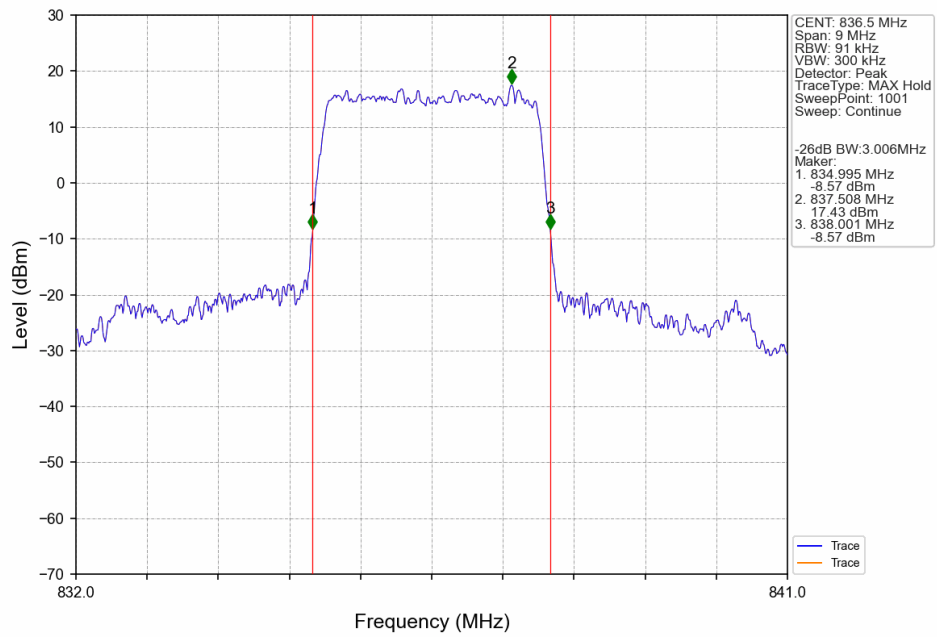
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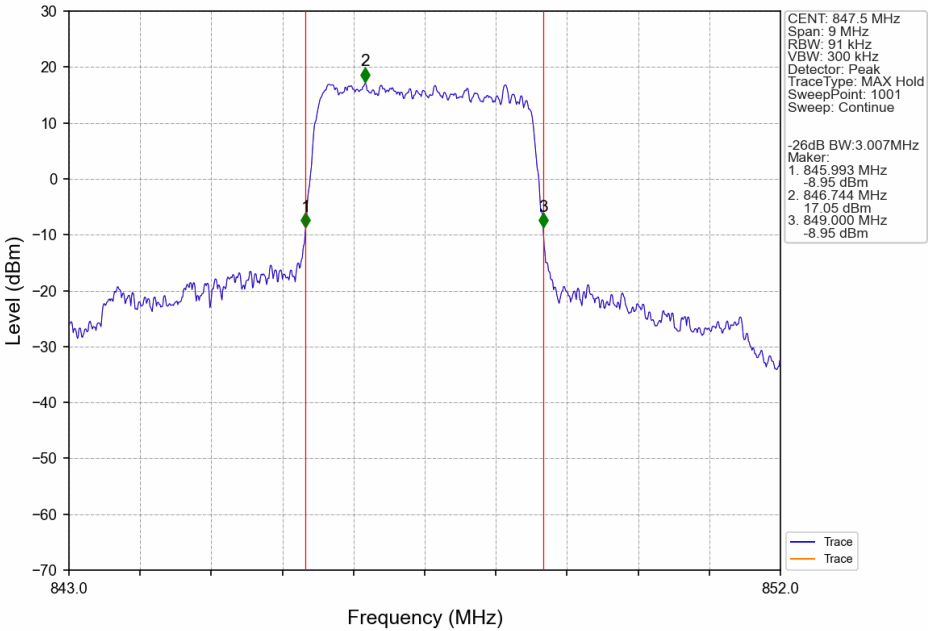
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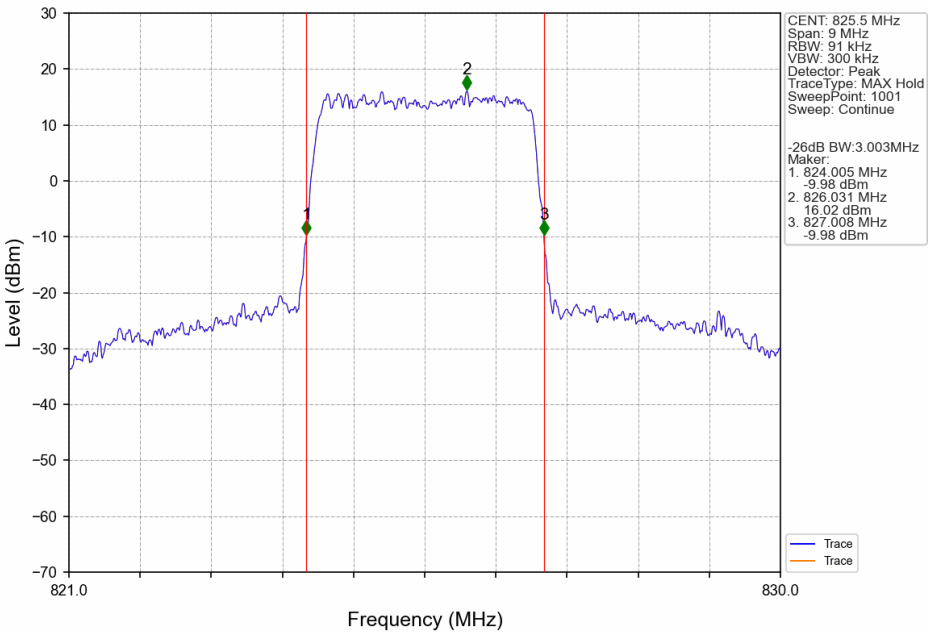
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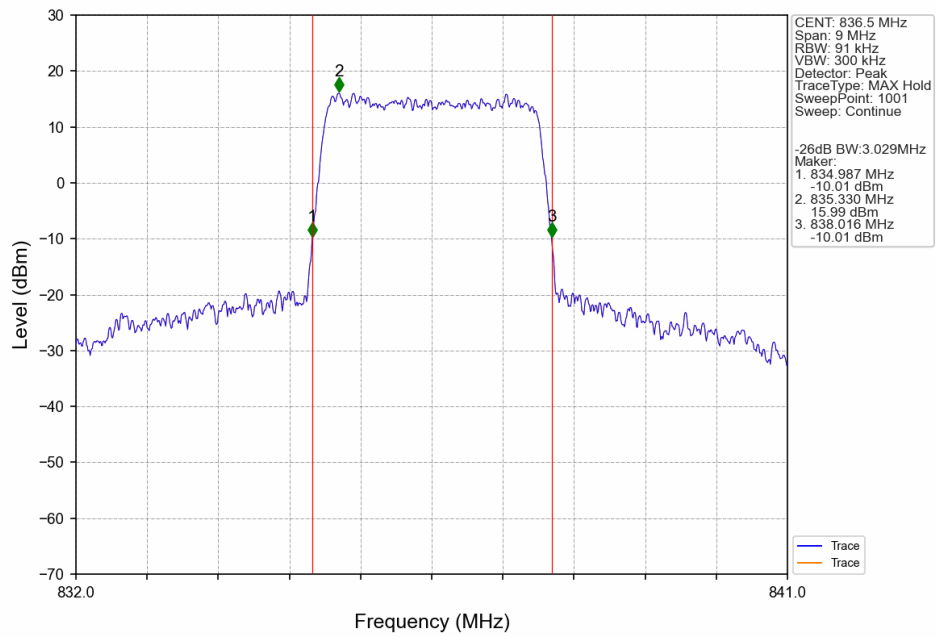
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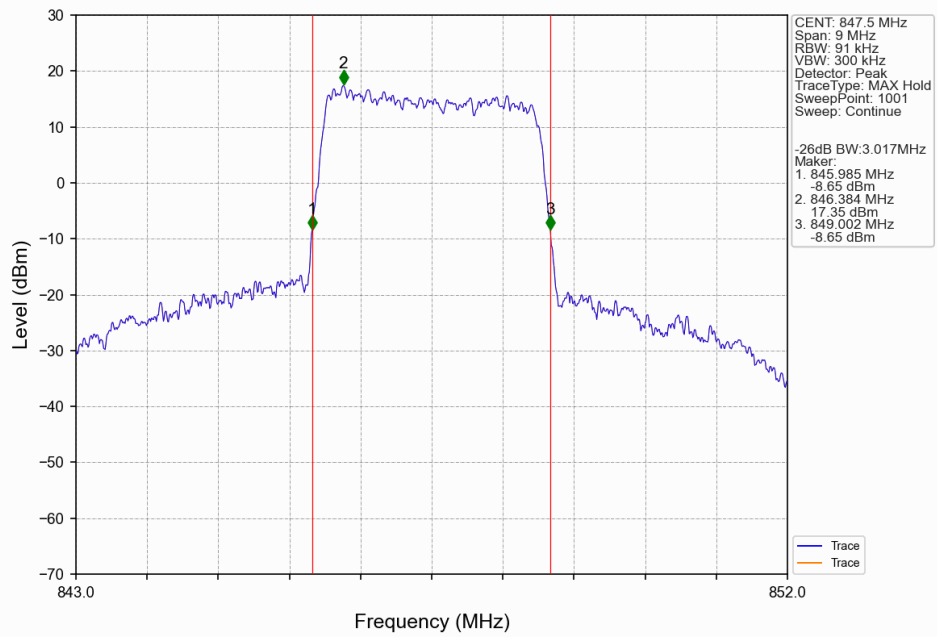
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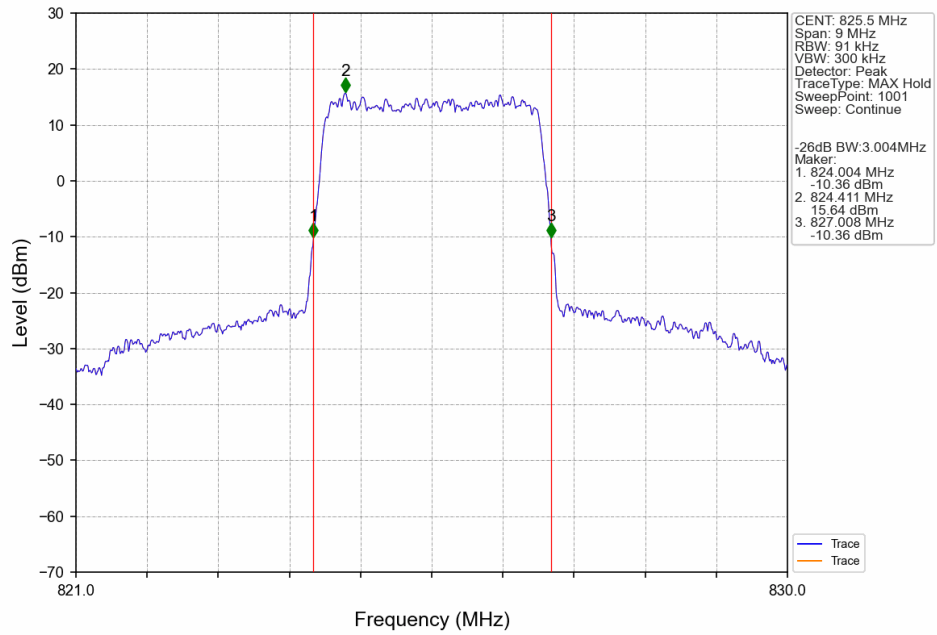
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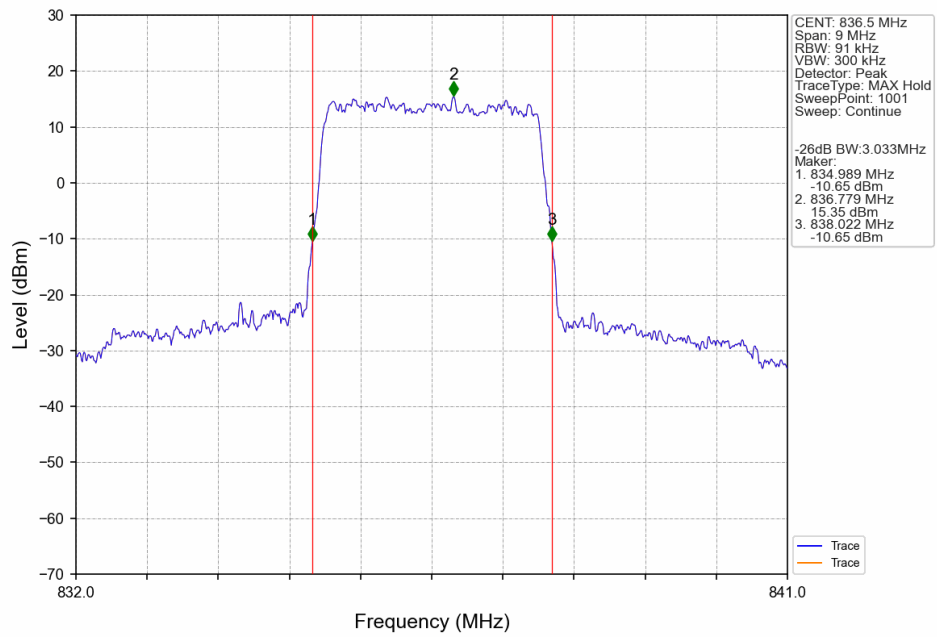
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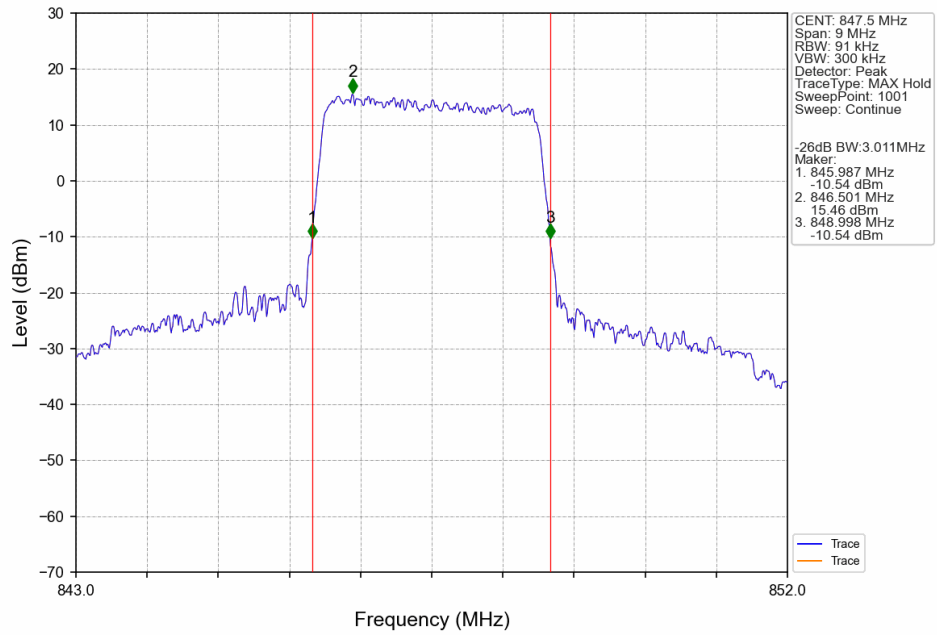
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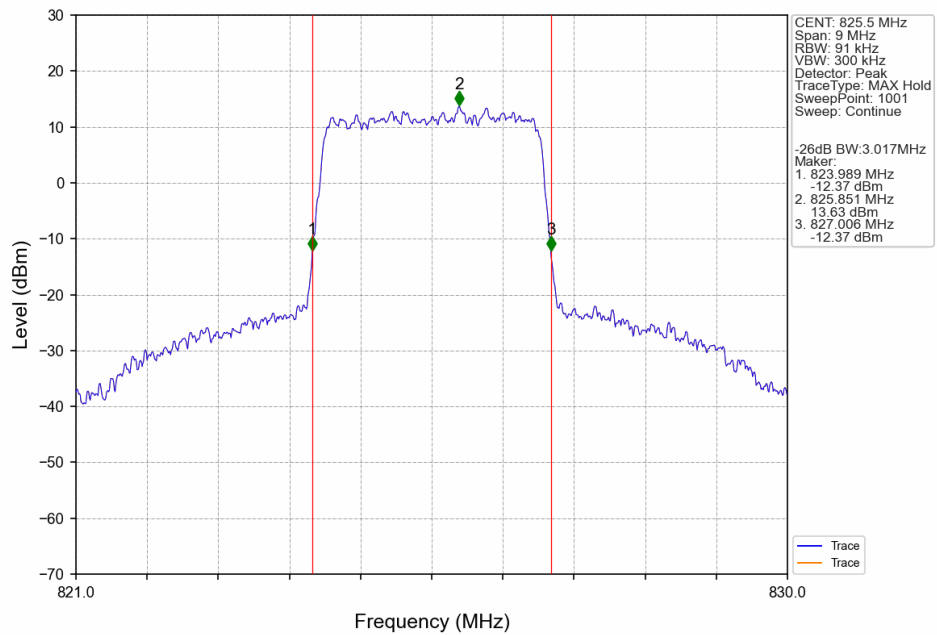
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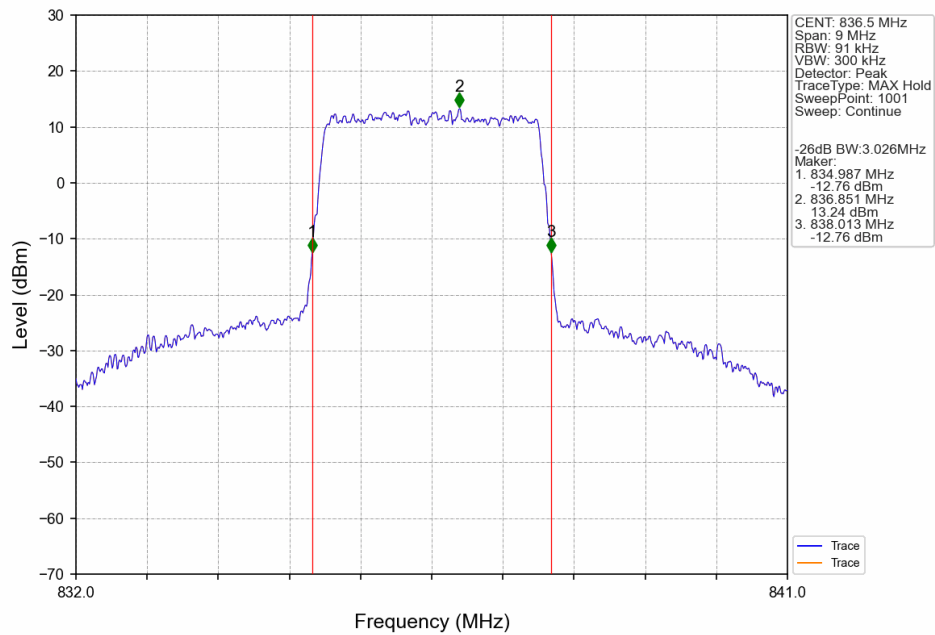
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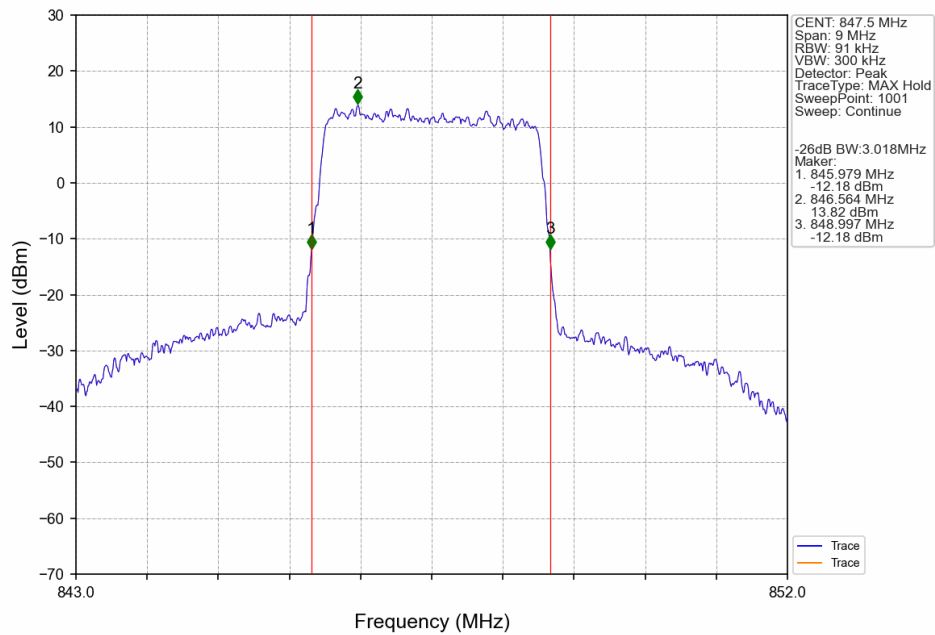
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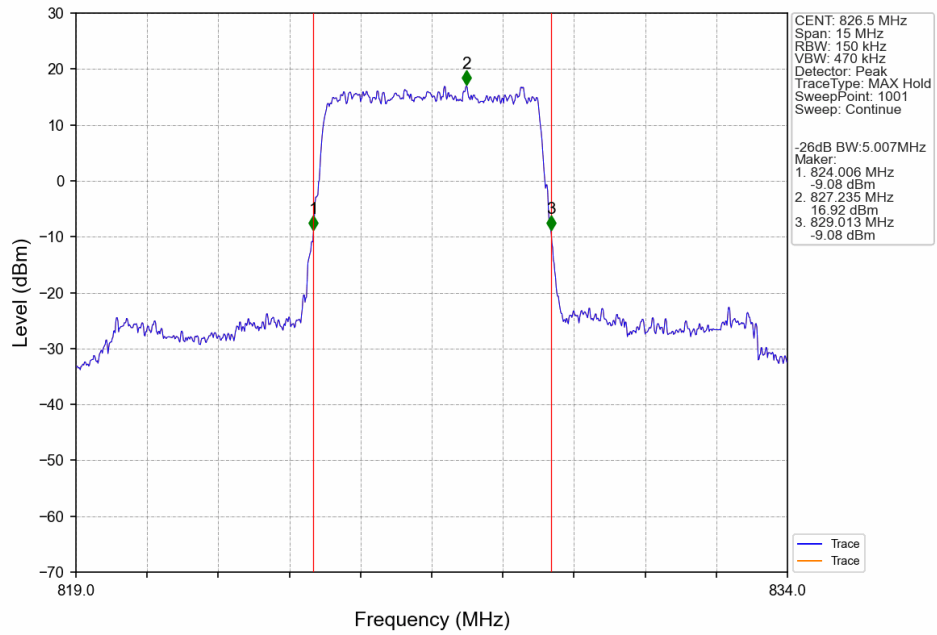
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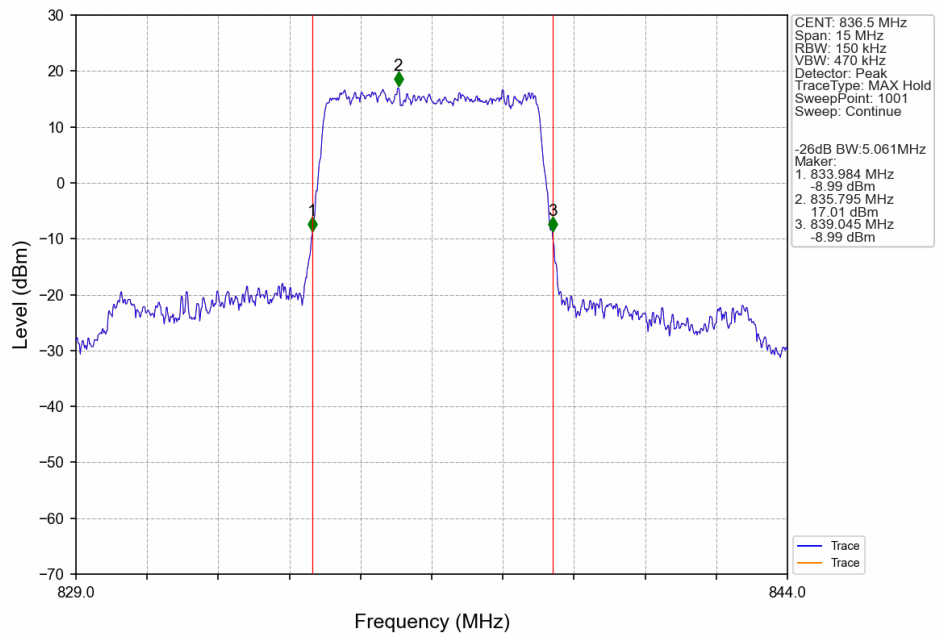
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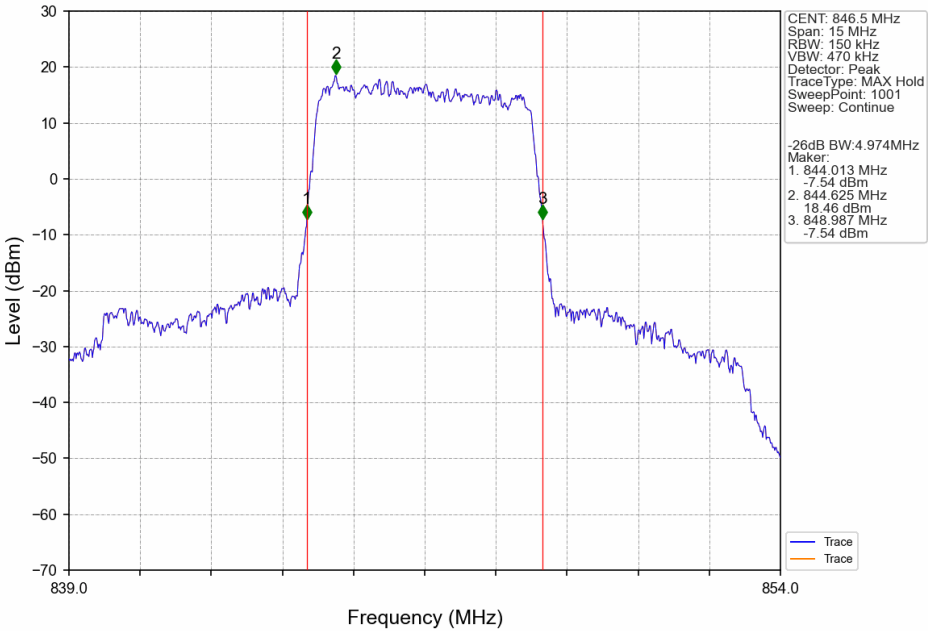
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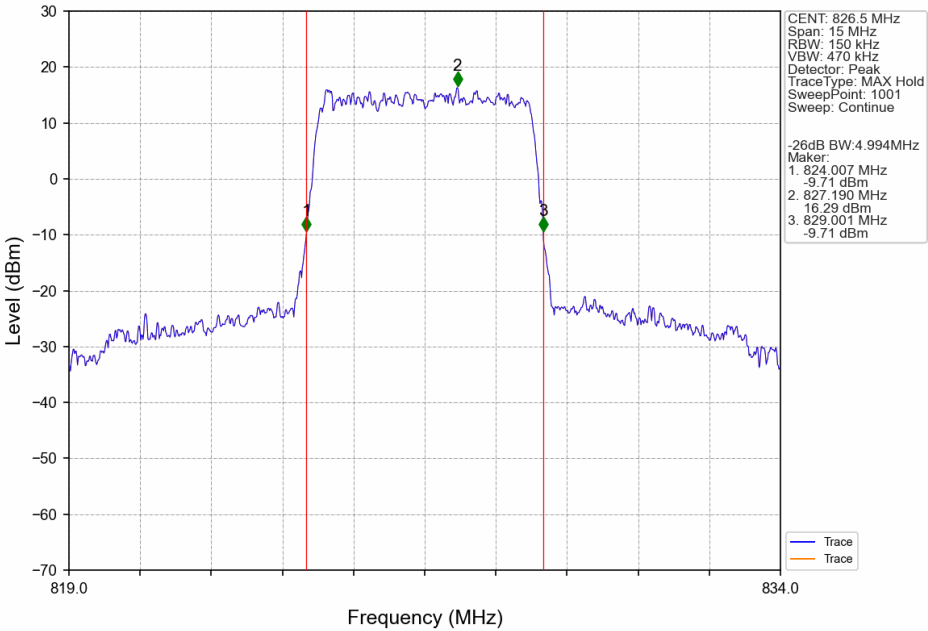
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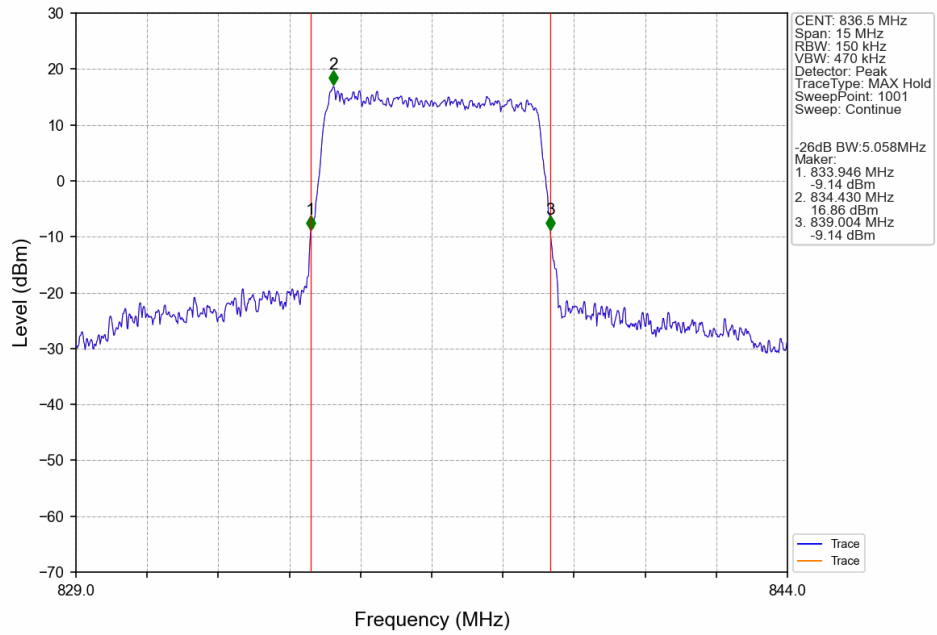
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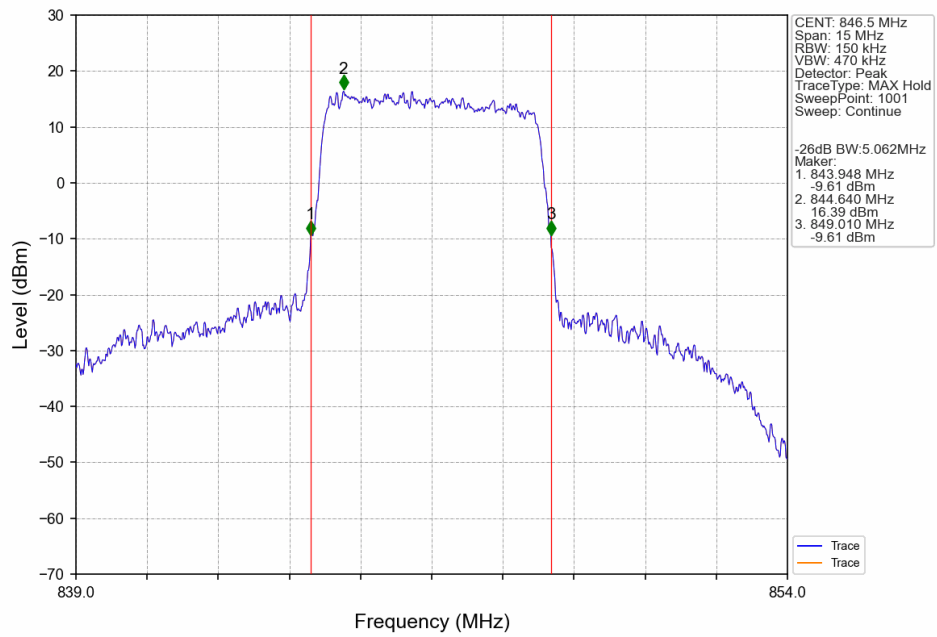
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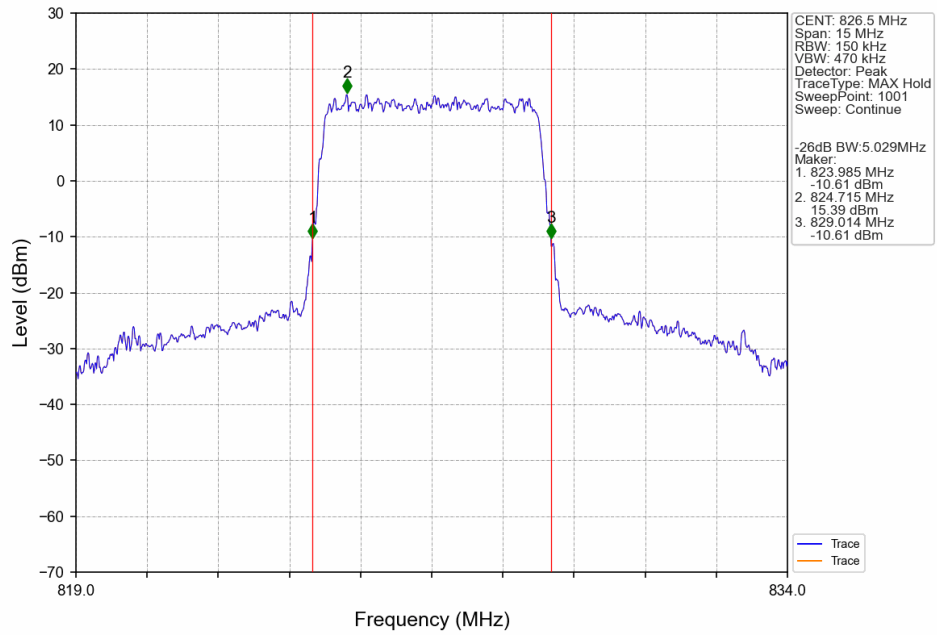
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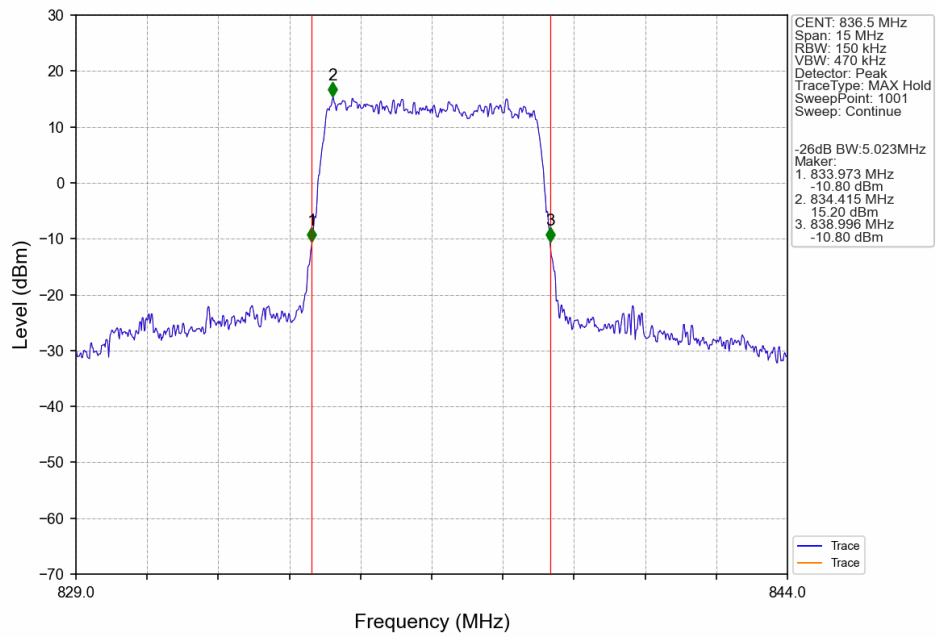
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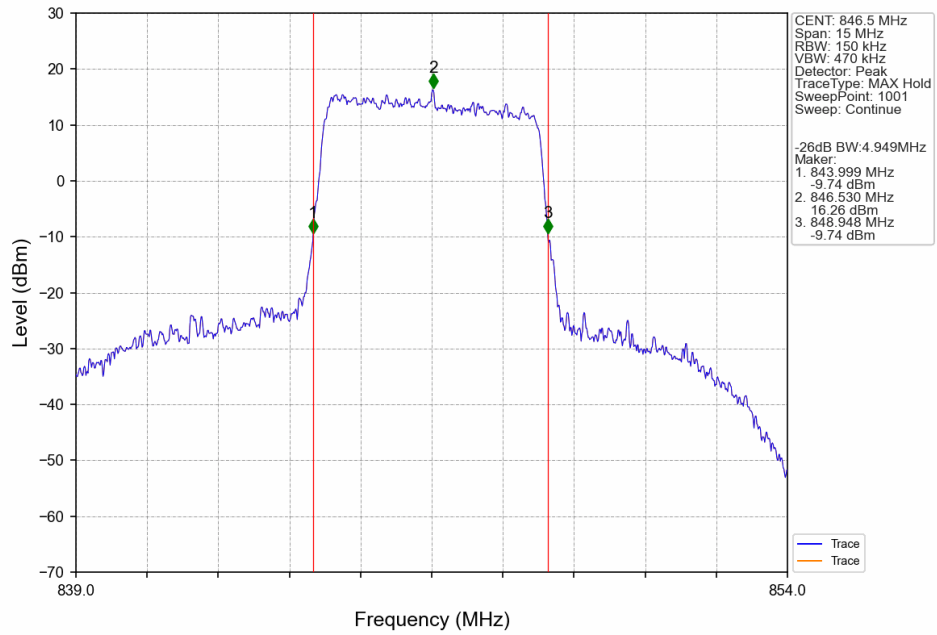
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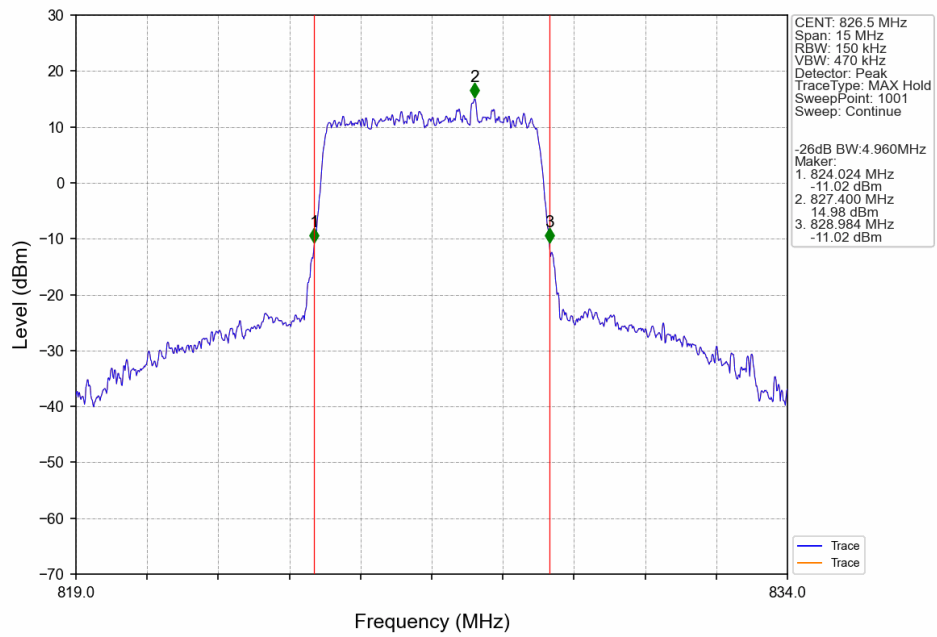
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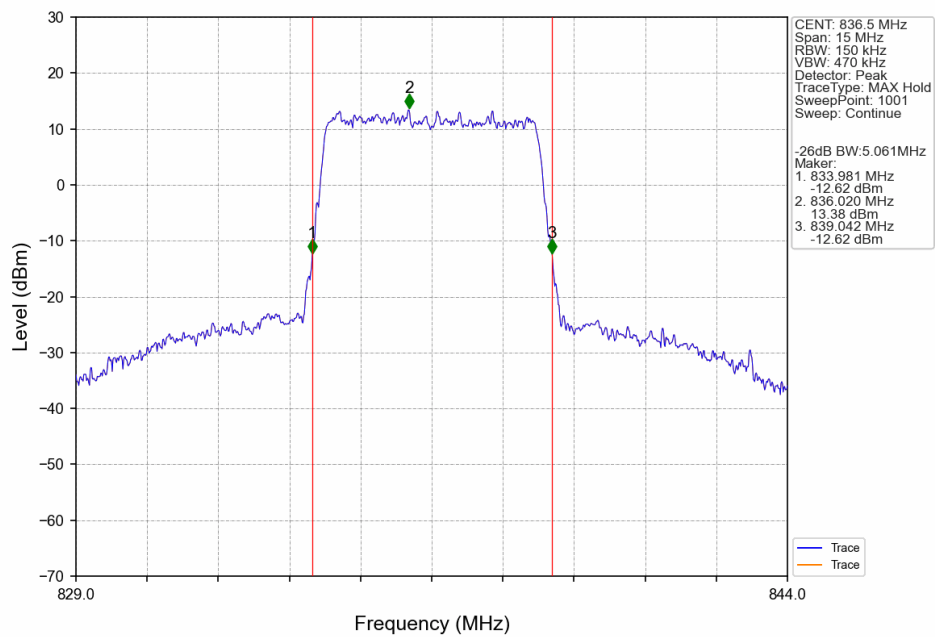
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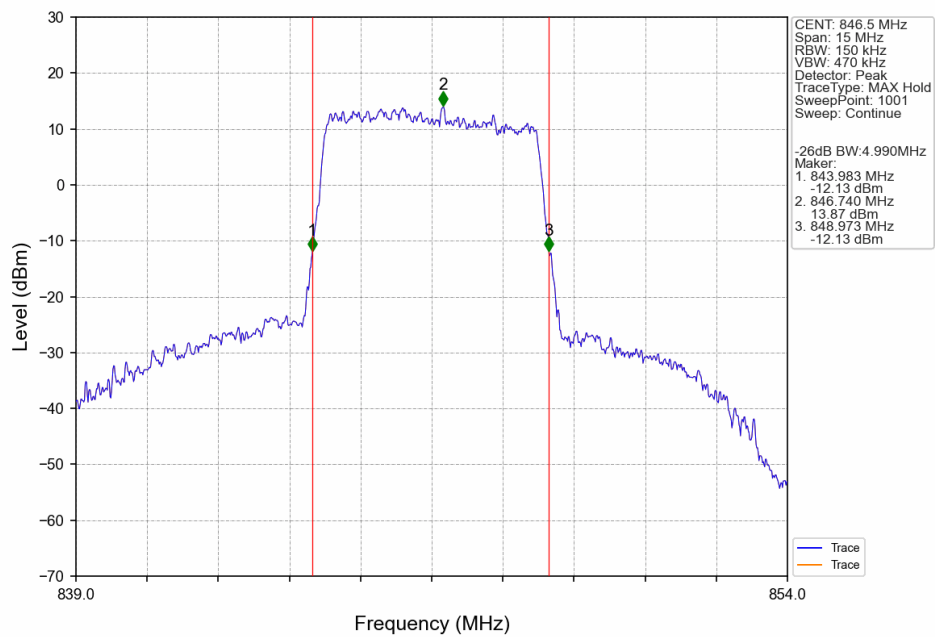
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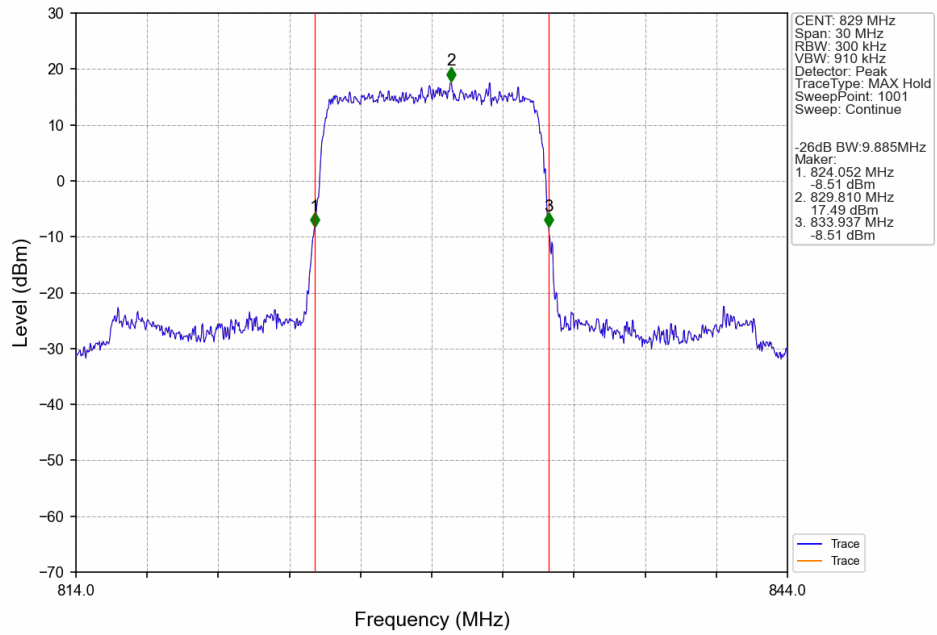
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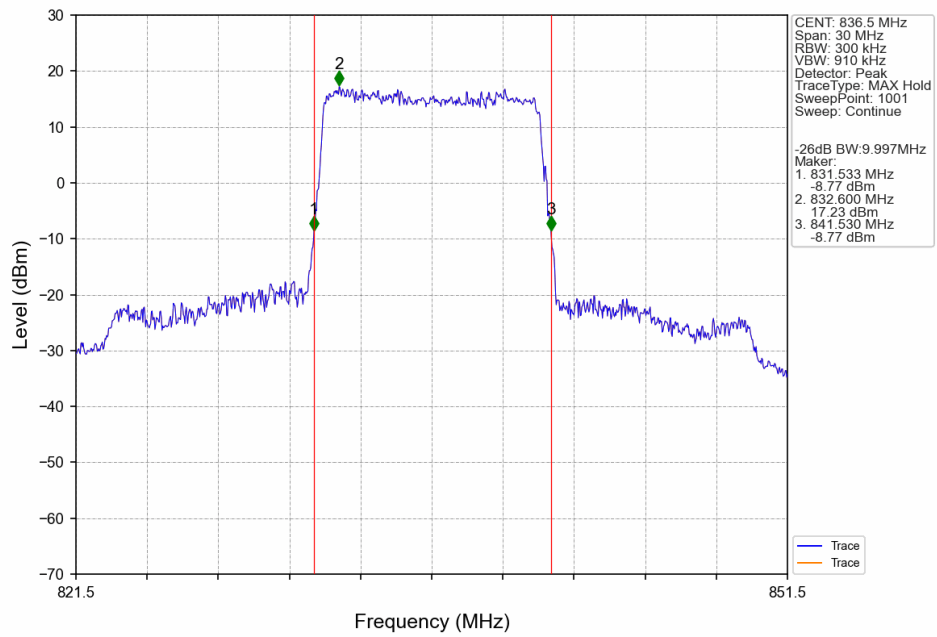
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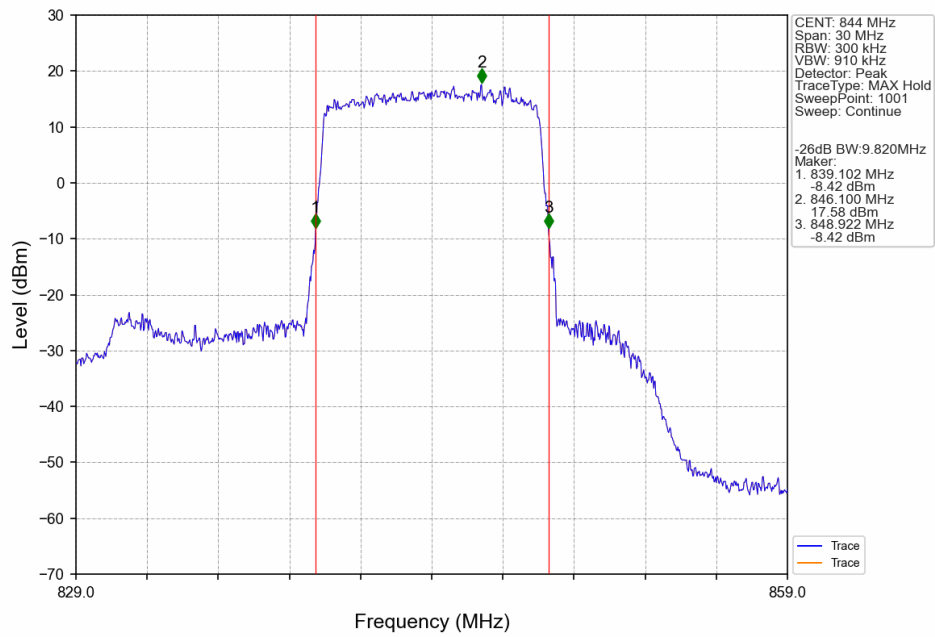
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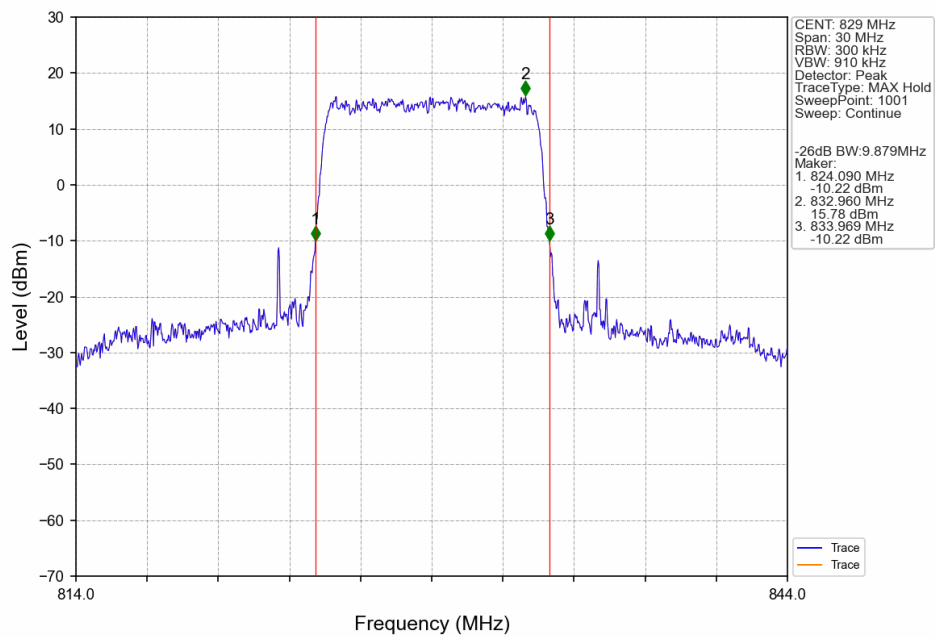
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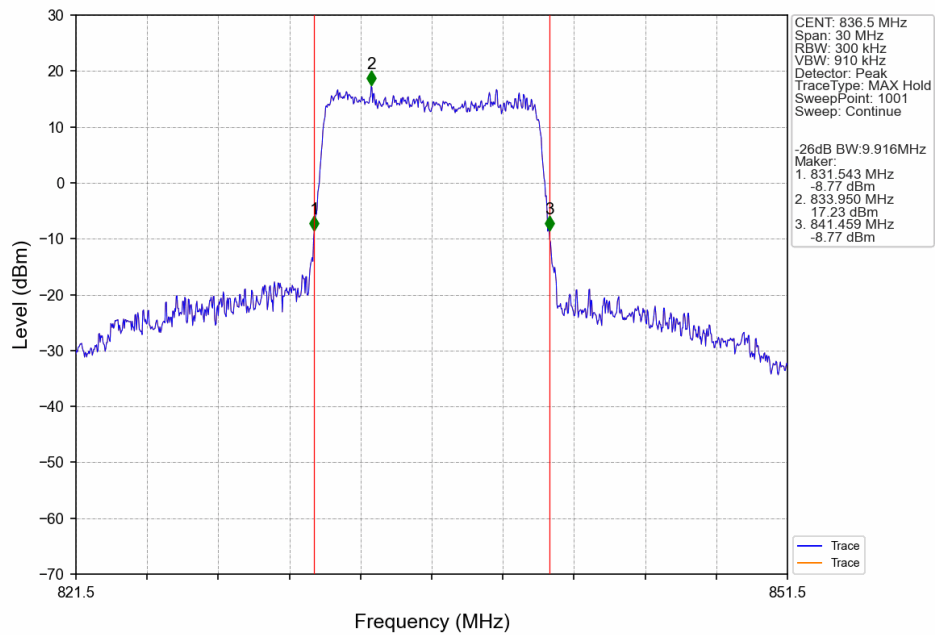
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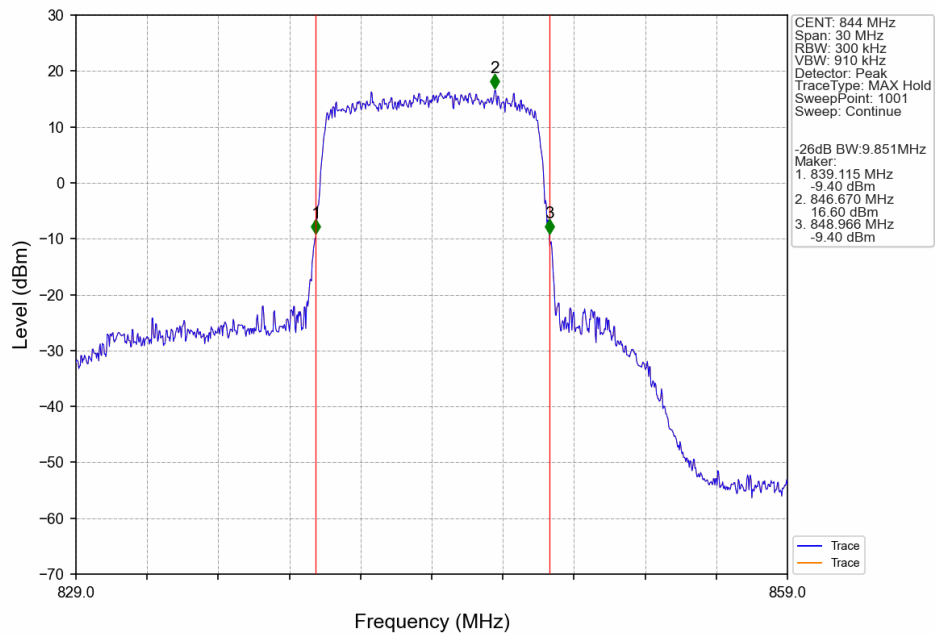
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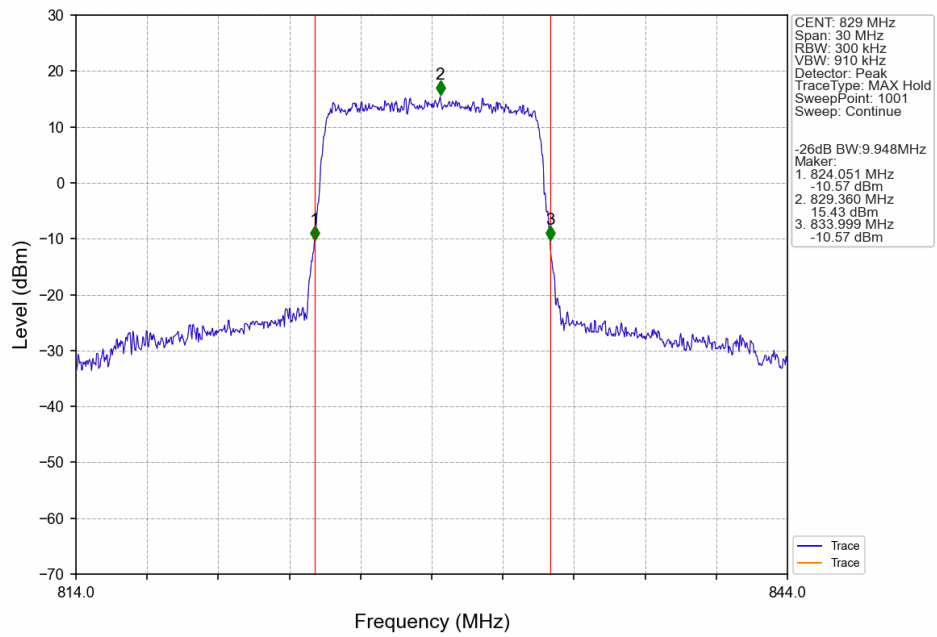
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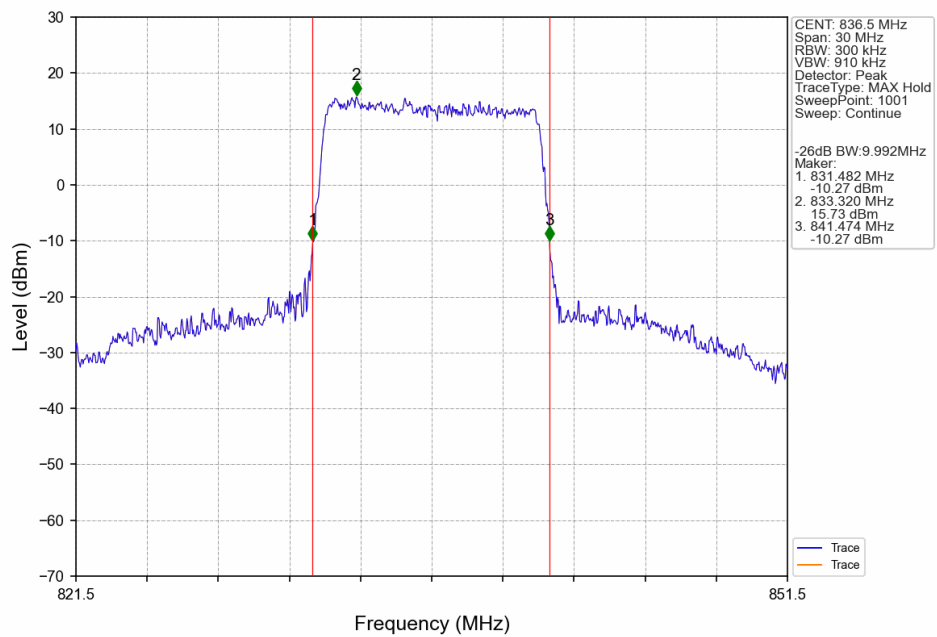
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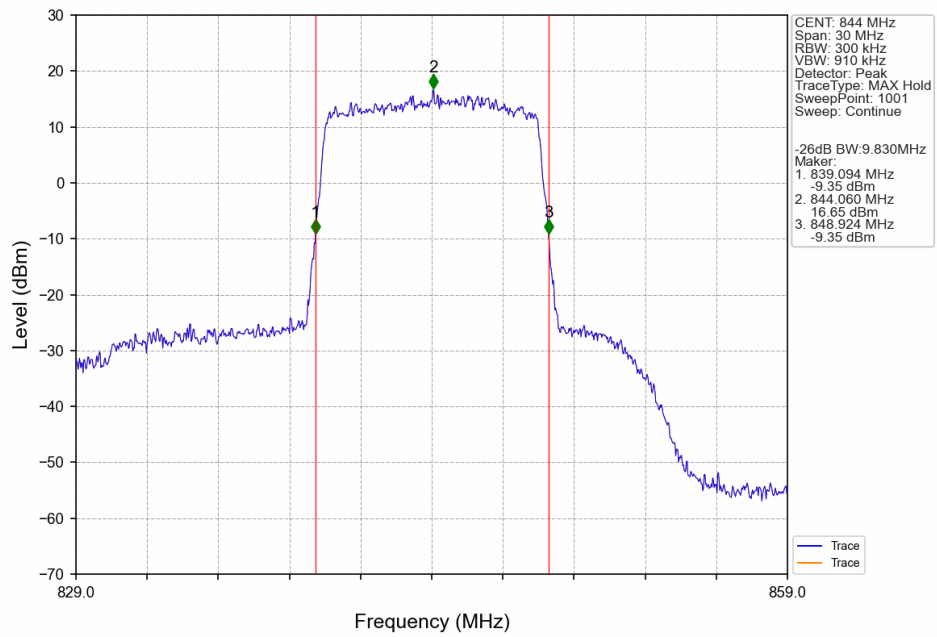
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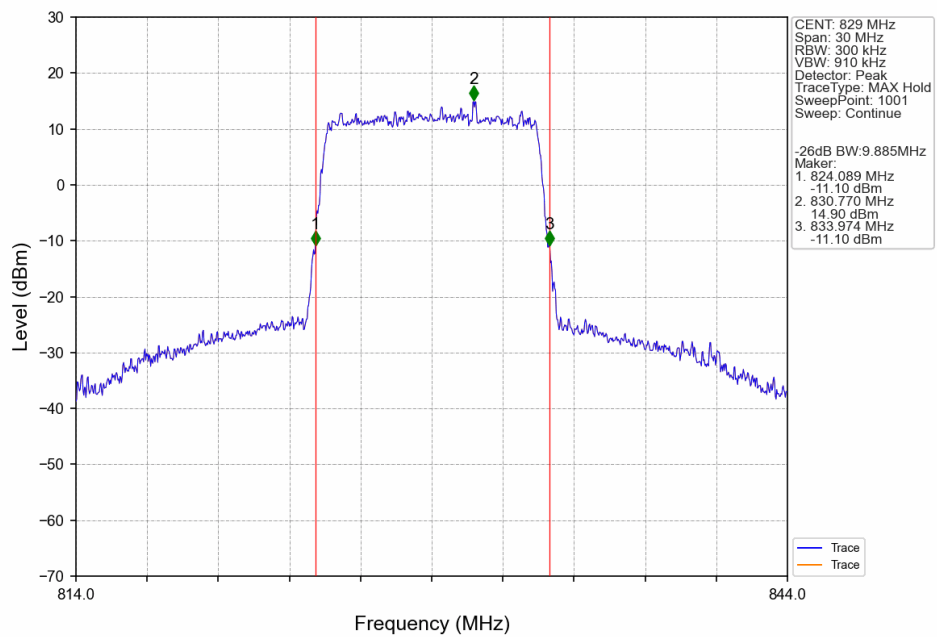
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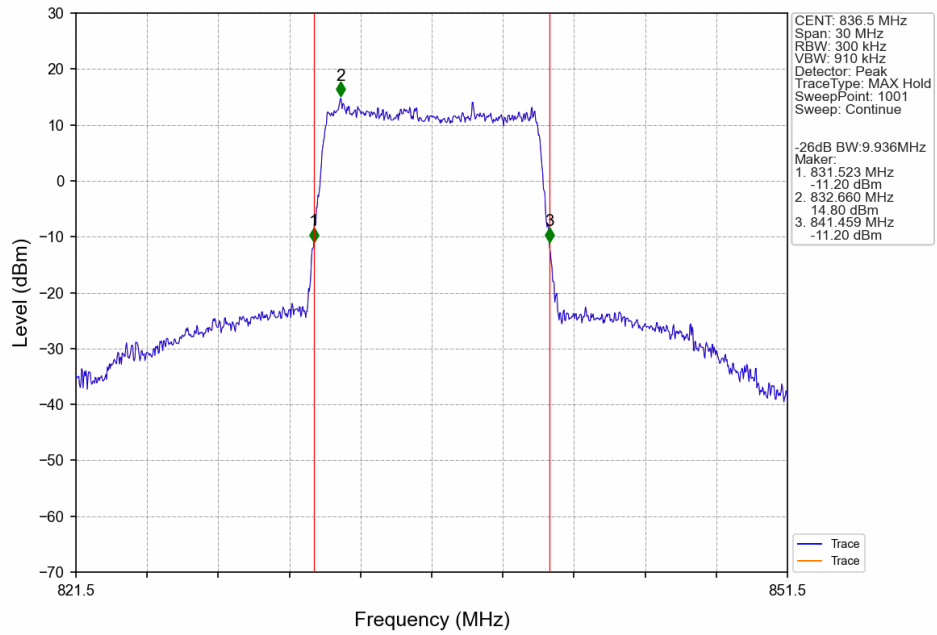
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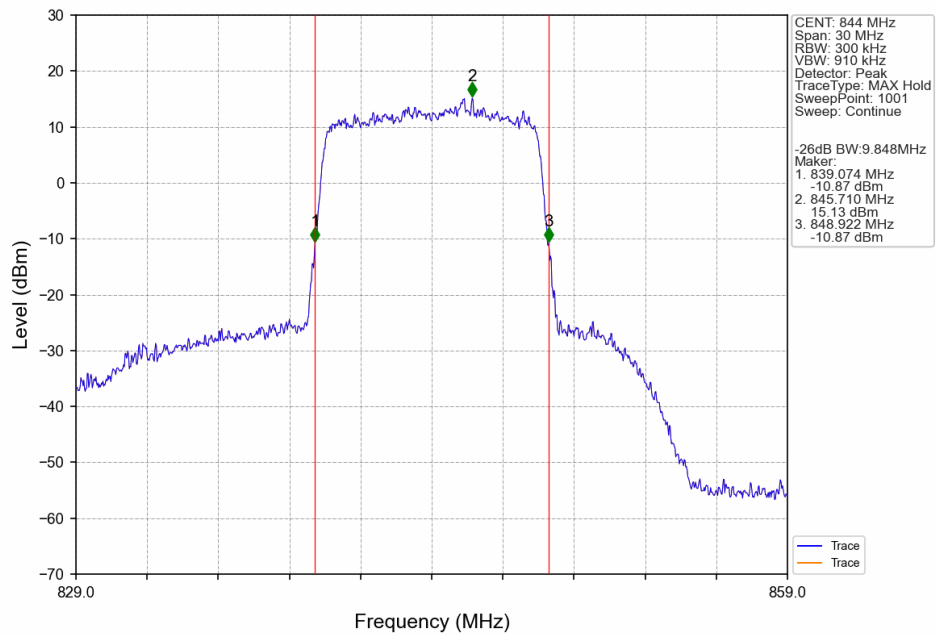
Band5 10MHz 256QAM LCH 829MHz RB 50 0 NTNV



Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 256QAM HCH 844MHz RB 50 0 NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.51	<=13	Pass
	836.5	6	0	5.22	<=13	Pass
	848.3	6	0	4.76	<=13	Pass
16QAM	824.7	6	0	6.26	<=13	Pass
	836.5	6	0	5.97	<=13	Pass
	848.3	6	0	5.47	<=13	Pass
64QAM	824.7	6	0	6.51	<=13	Pass
	836.5	6	0	6.34	<=13	Pass
	848.3	6	0	6.12	<=13	Pass
256QAM	824.7	6	0	7.00	<=13	Pass
	836.5	6	0	6.84	<=13	Pass
	848.3	6	0	6.72	<=13	Pass

4.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.48	<=13	Pass
	836.5	15	0	5.32	<=13	Pass
	847.5	15	0	4.98	<=13	Pass
16QAM	825.5	15	0	6.32	<=13	Pass
	836.5	15	0	6.04	<=13	Pass
	847.5	15	0	5.75	<=13	Pass
64QAM	825.5	15	0	6.57	<=13	Pass
	836.5	15	0	6.33	<=13	Pass
	847.5	15	0	6.18	<=13	Pass
256QAM	825.5	15	0	6.90	<=13	Pass
	836.5	15	0	6.76	<=13	Pass
	847.5	15	0	6.70	<=13	Pass

4.1.3 B5_5MHz

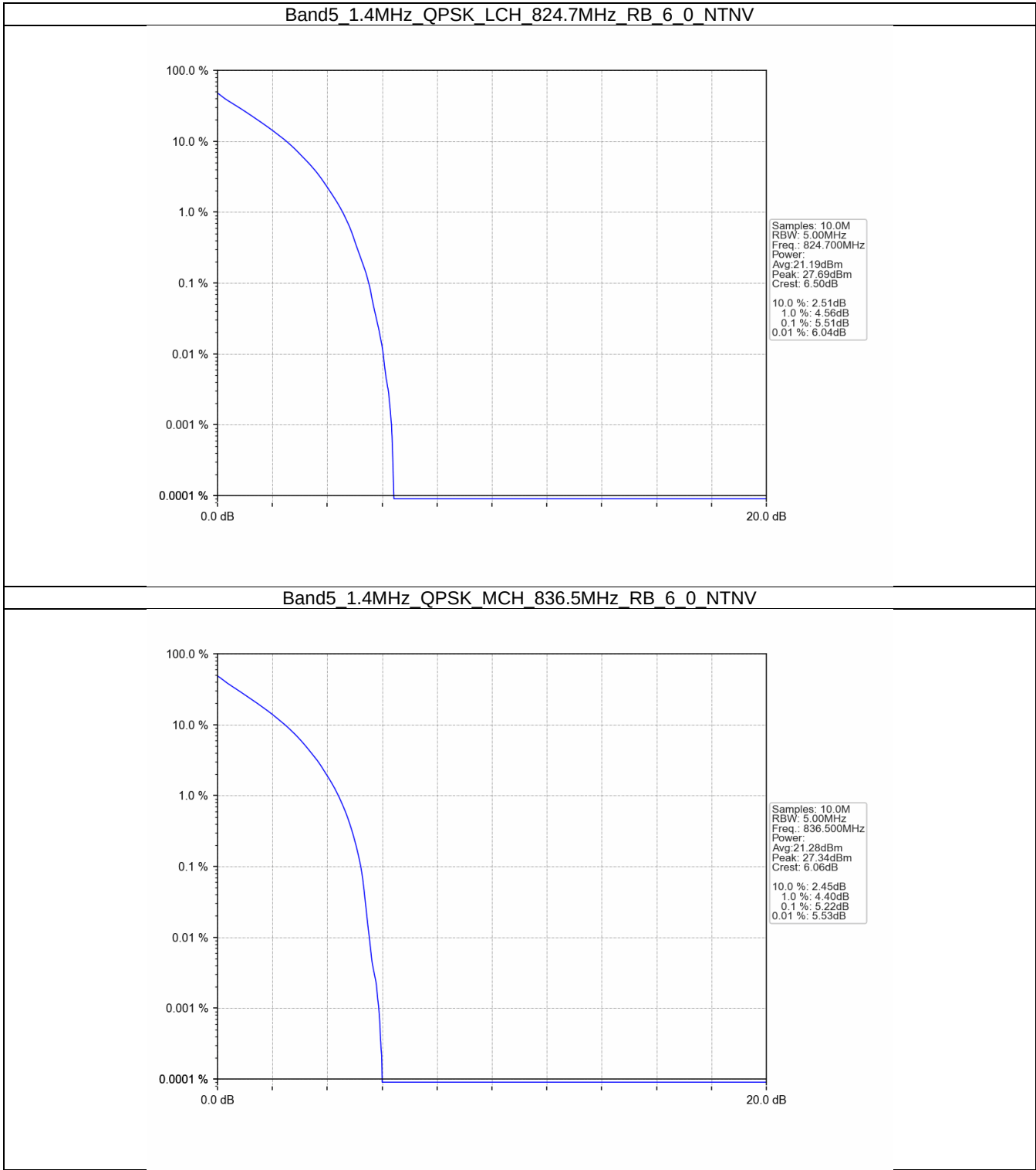
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.47	<=13	Pass
	836.5	25	0	5.46	<=13	Pass
	846.5	25	0	5.29	<=13	Pass
16QAM	826.5	25	0	6.21	<=13	Pass
	836.5	25	0	6.05	<=13	Pass
	846.5	25	0	5.95	<=13	Pass
64QAM	826.5	25	0	6.53	<=13	Pass
	836.5	25	0	6.40	<=13	Pass
	846.5	25	0	6.33	<=13	Pass
256QAM	826.5	25	0	6.87	<=13	Pass
	836.5	25	0	6.76	<=13	Pass
	846.5	25	0	6.71	<=13	Pass

4.1.4 B5_10MHz

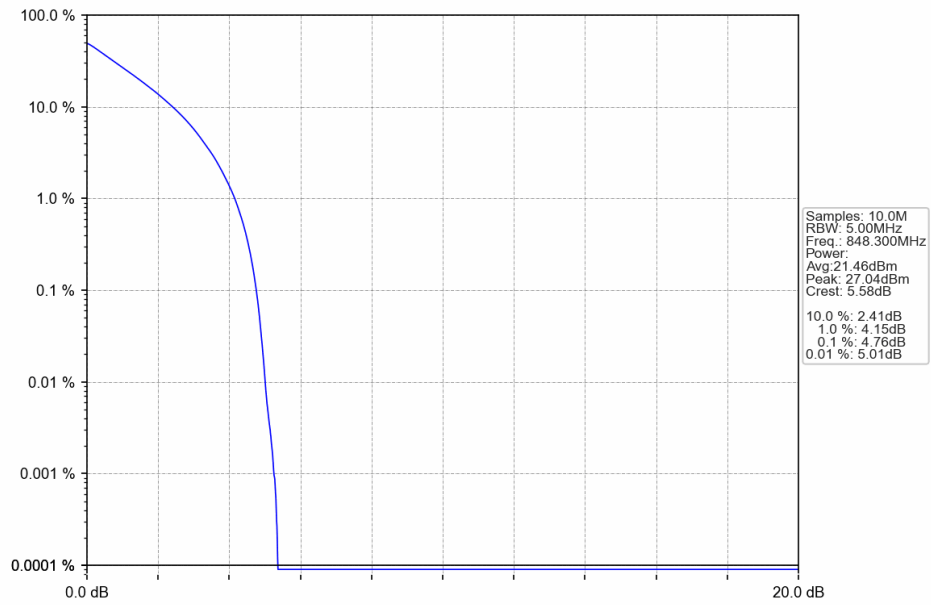
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.45	<=13	Pass
	836.5	50	0	5.57	<=13	Pass
	844	50	0	5.30	<=13	Pass
16QAM	829	50	0	6.13	<=13	Pass
	836.5	50	0	6.17	<=13	Pass
	844	50	0	6.11	<=13	Pass
64QAM	829	50	0	6.49	<=13	Pass
	836.5	50	0	6.56	<=13	Pass
	844	50	0	6.38	<=13	Pass
256QAM	829	50	0	6.77	<=13	Pass
	836.5	50	0	6.79	<=13	Pass
	844	50	0	6.62	<=13	Pass

4.2 Test Graph

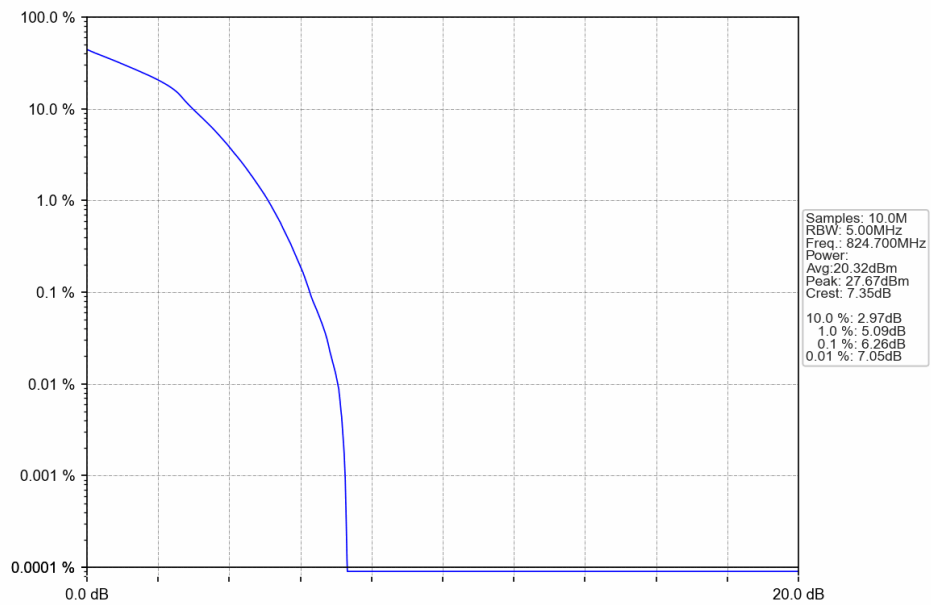
4.2.1 B5_1.4MHz



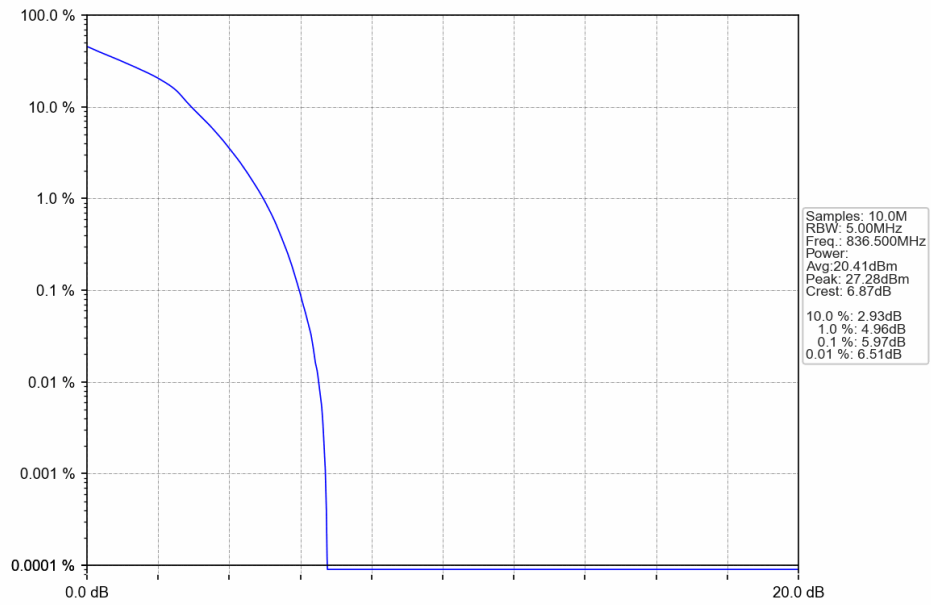
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



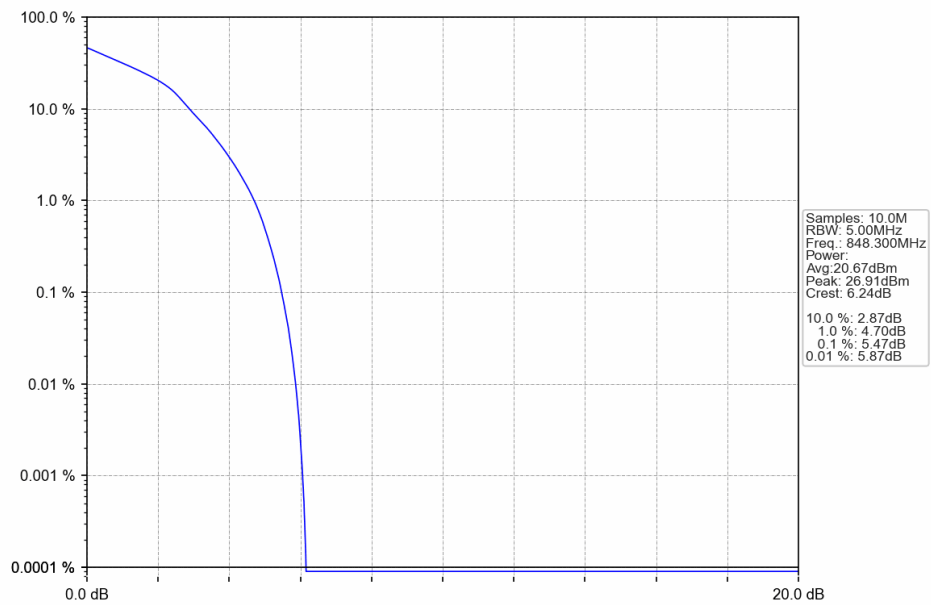
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



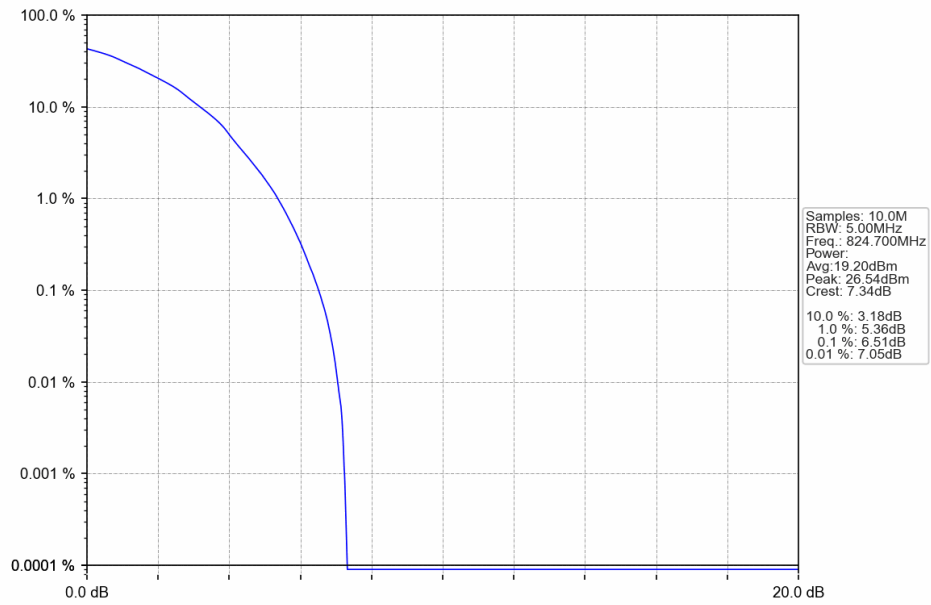
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



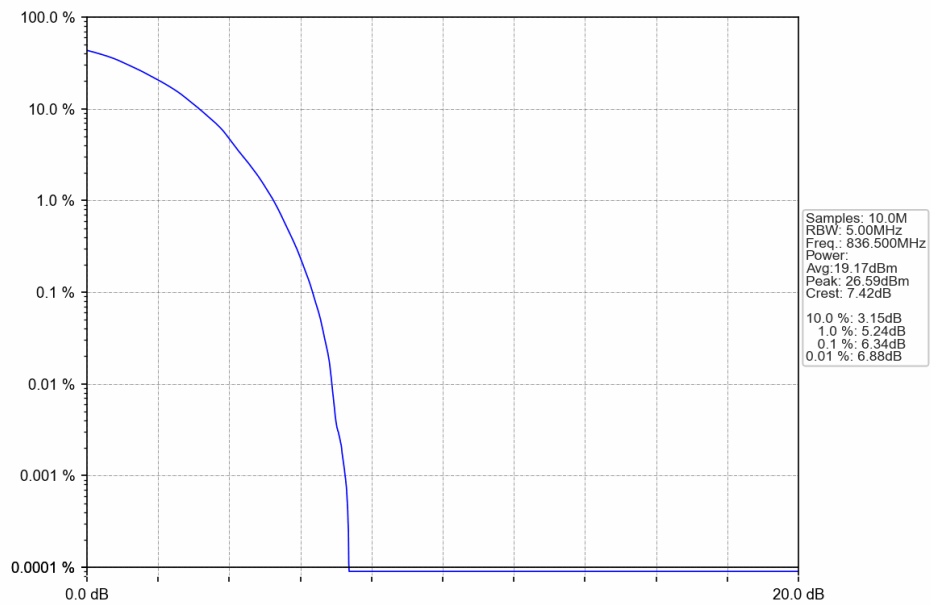
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



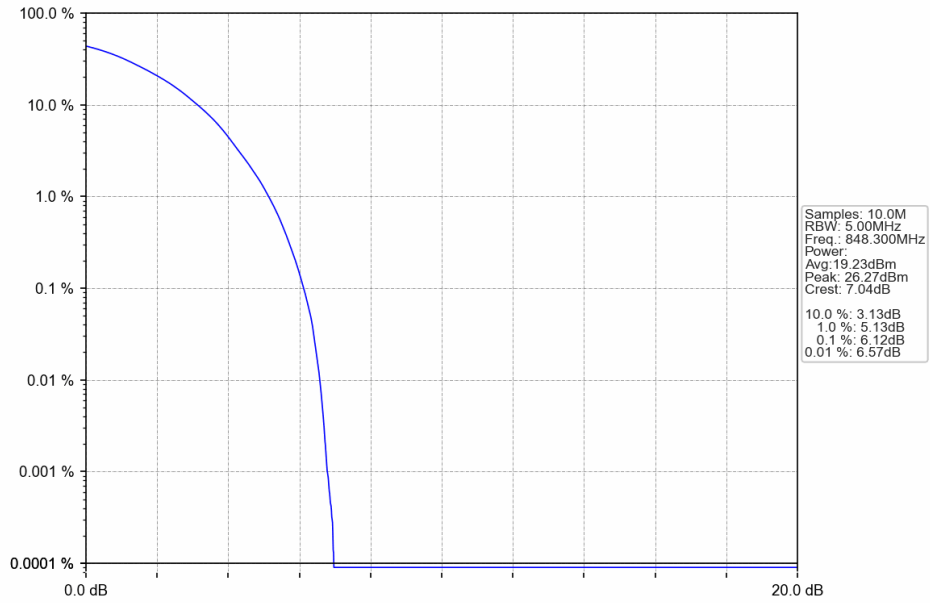
Band5 1.4MHz 64QAM LCH 824.7MHz RB 6 0 NTNV



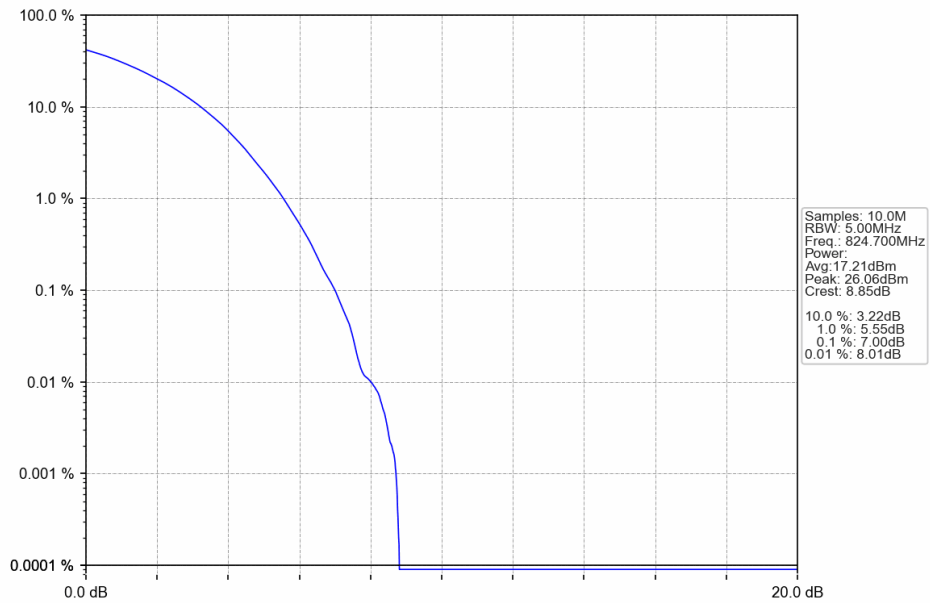
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTNV



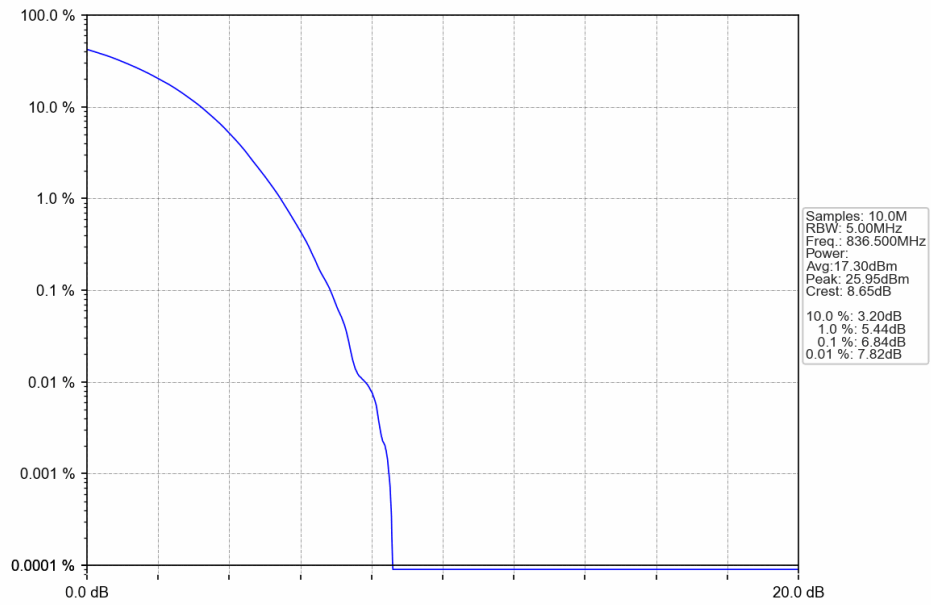
Band5 1.4MHz 64QAM HCH 848.3MHz RB 6 0 NTNV



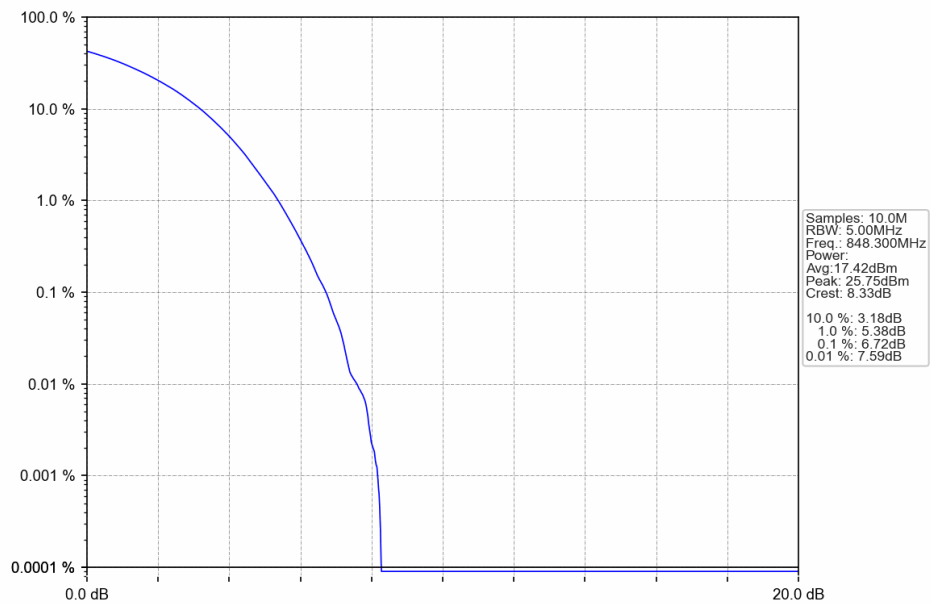
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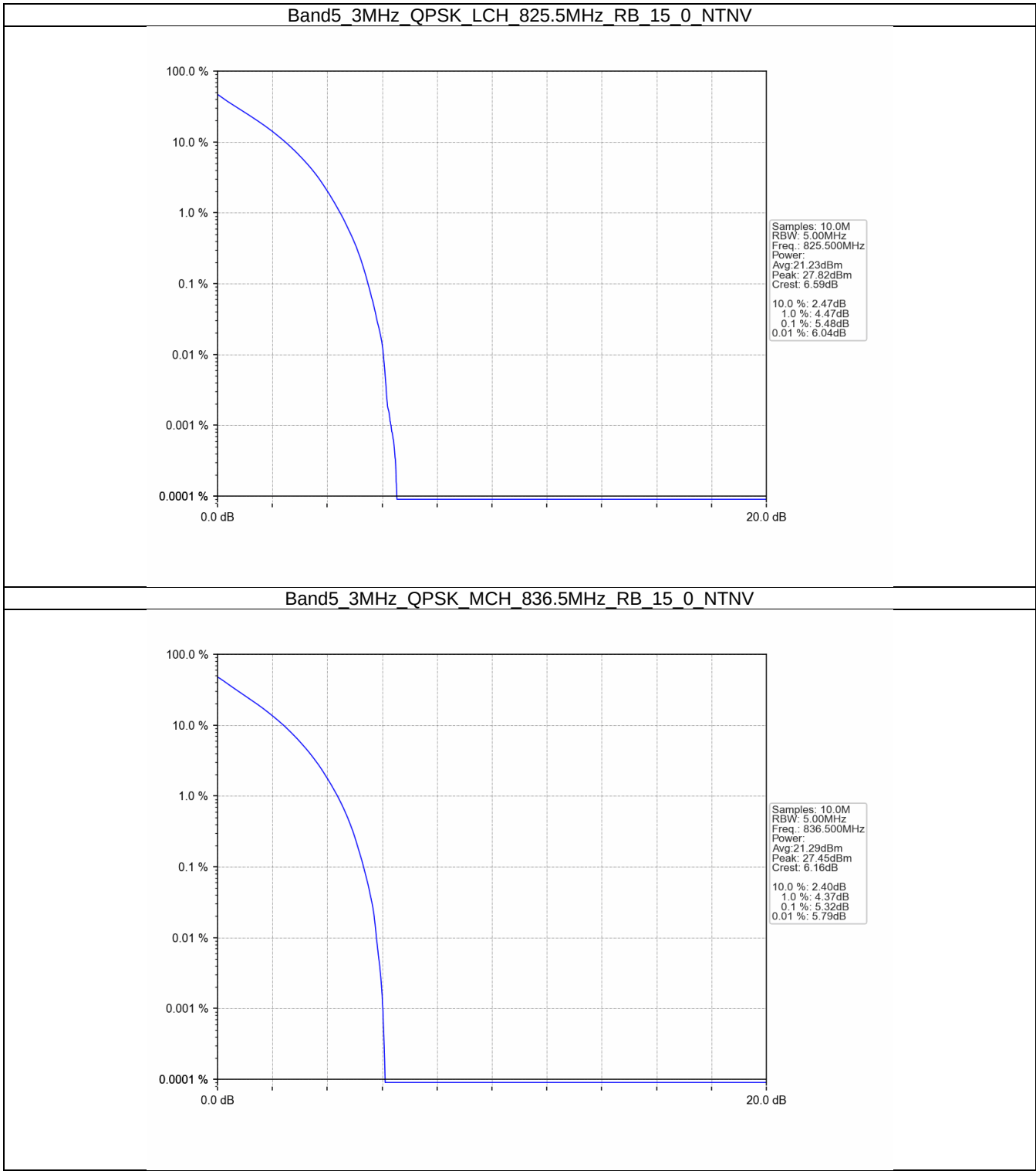
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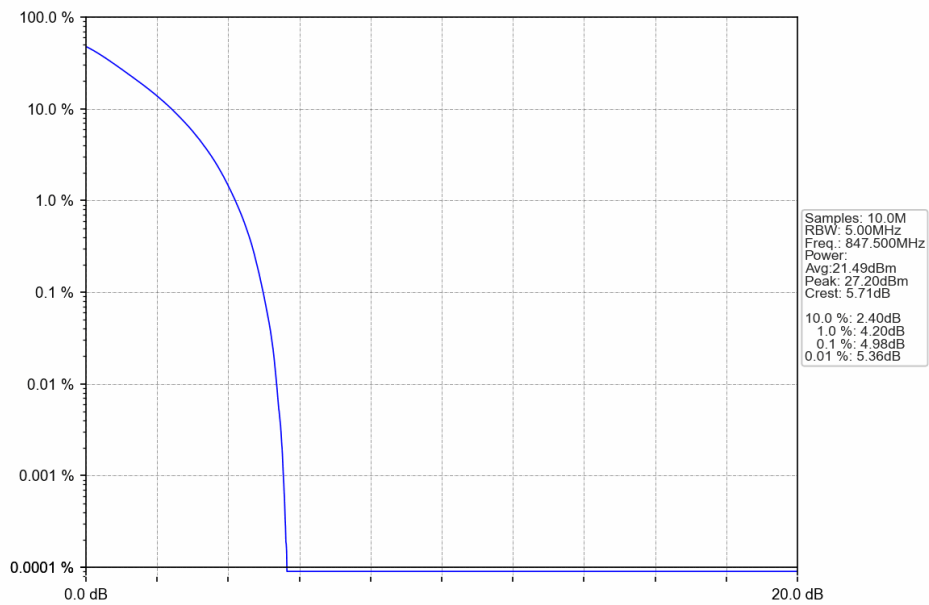
Band5 1.4MHz 256QAM HCH 848.3MHz RB 6 0 NTNV



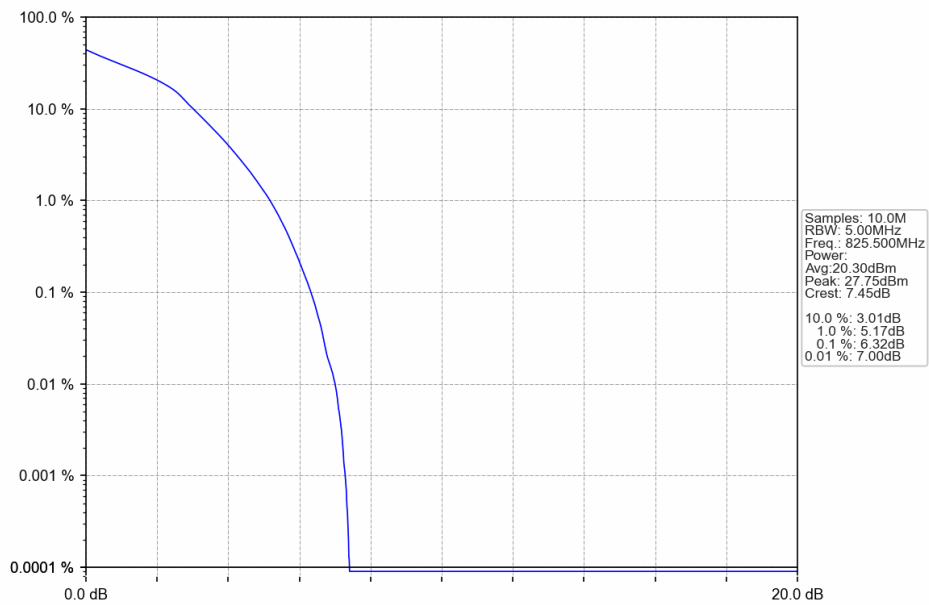
4.2.2 B5_3MHz



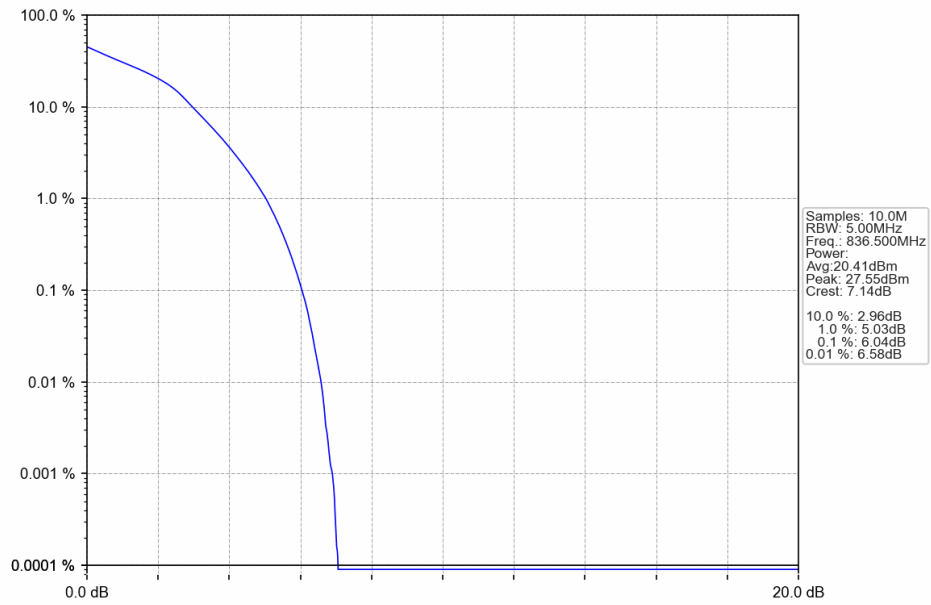
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



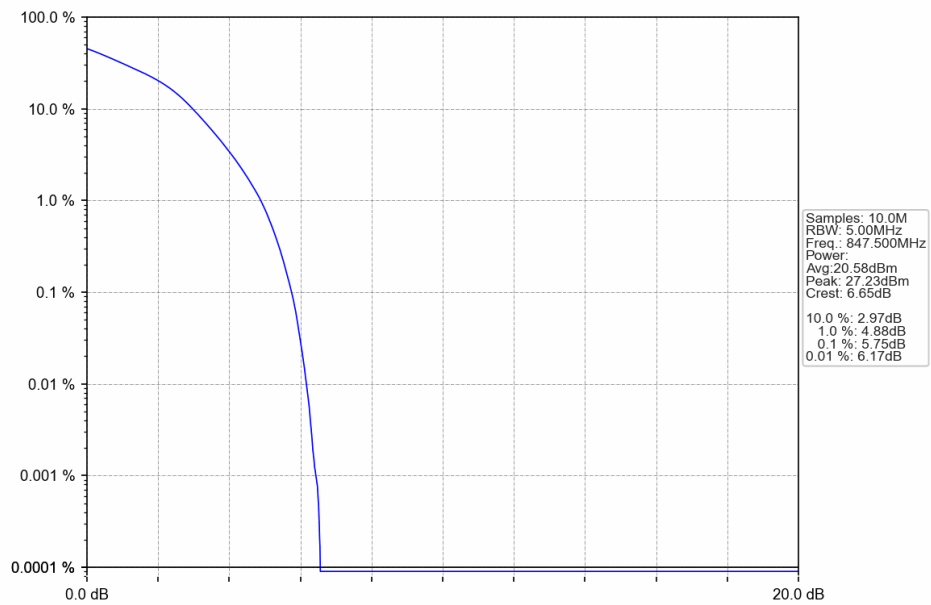
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



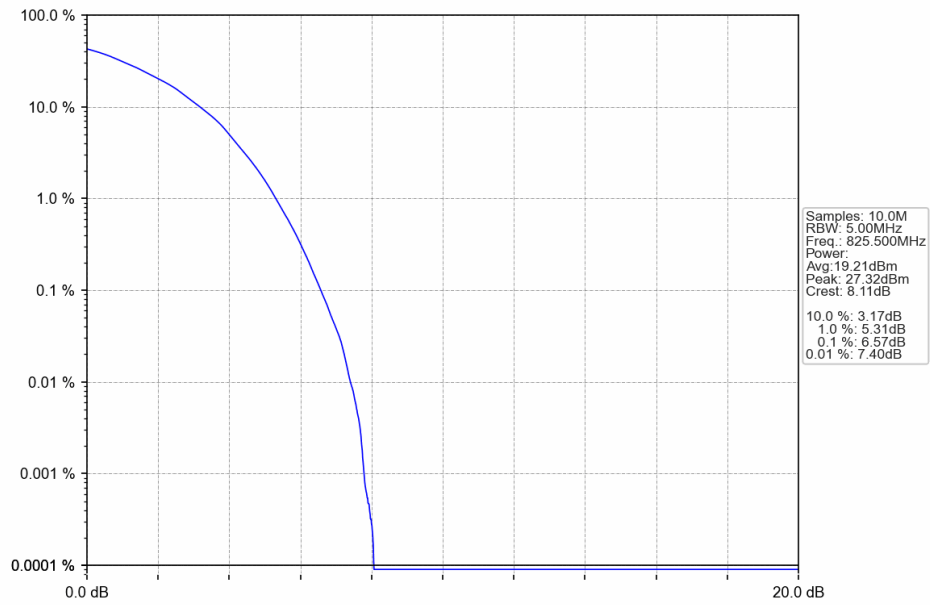
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



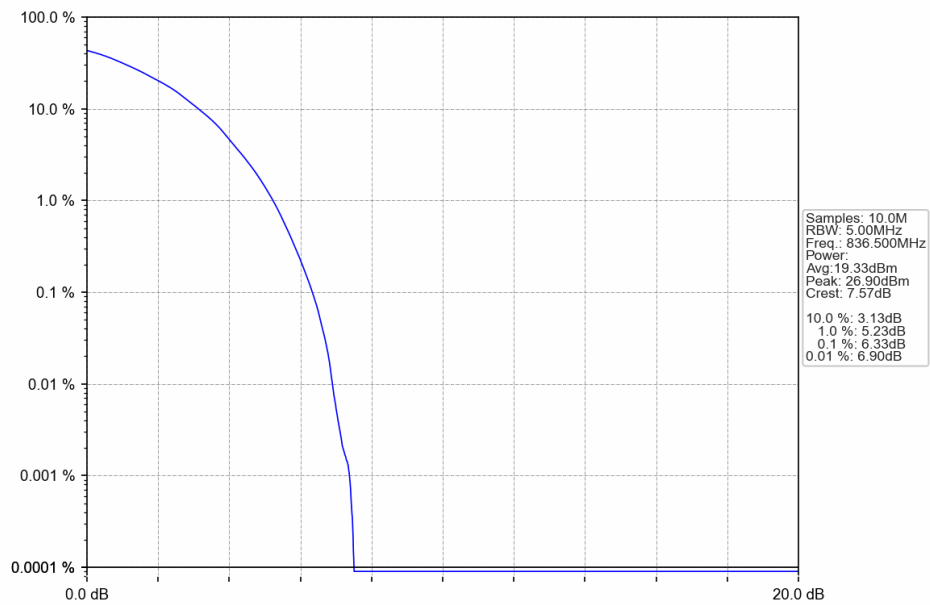
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



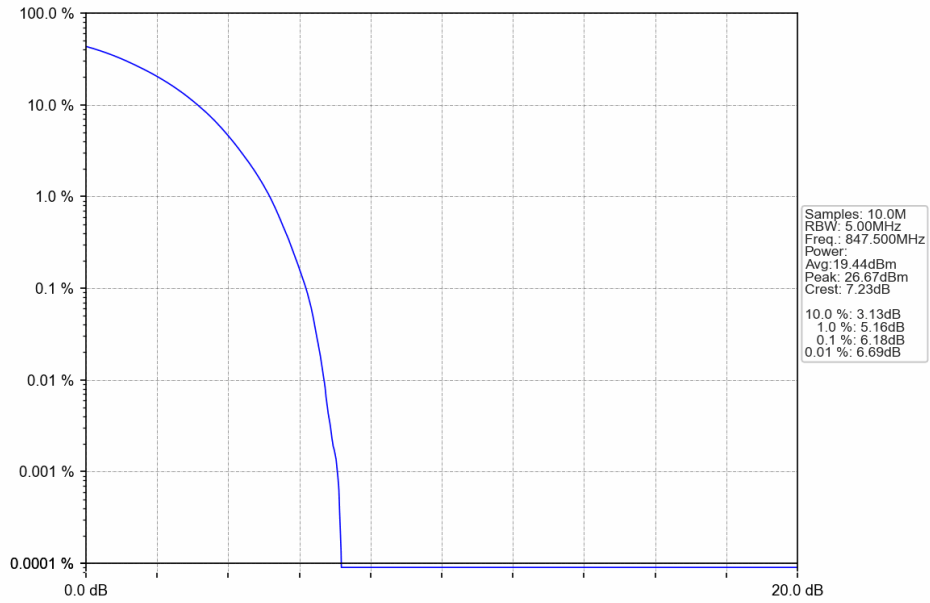
Band5 3MHz 64QAM LCH 825.5MHz RB 15 0 NTNV



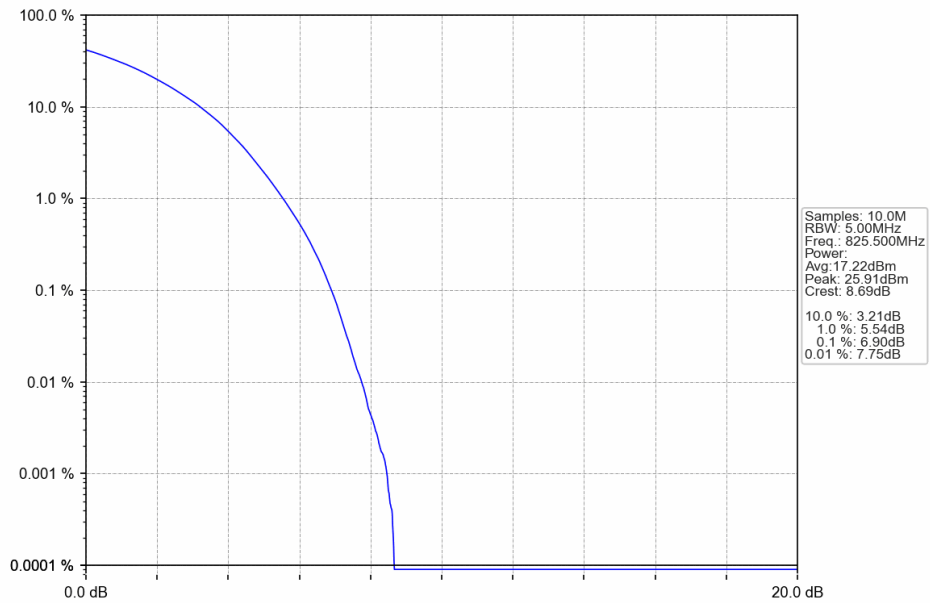
Band5 3MHz 64QAM MCH 836.5MHz RB 15 0 NTNV



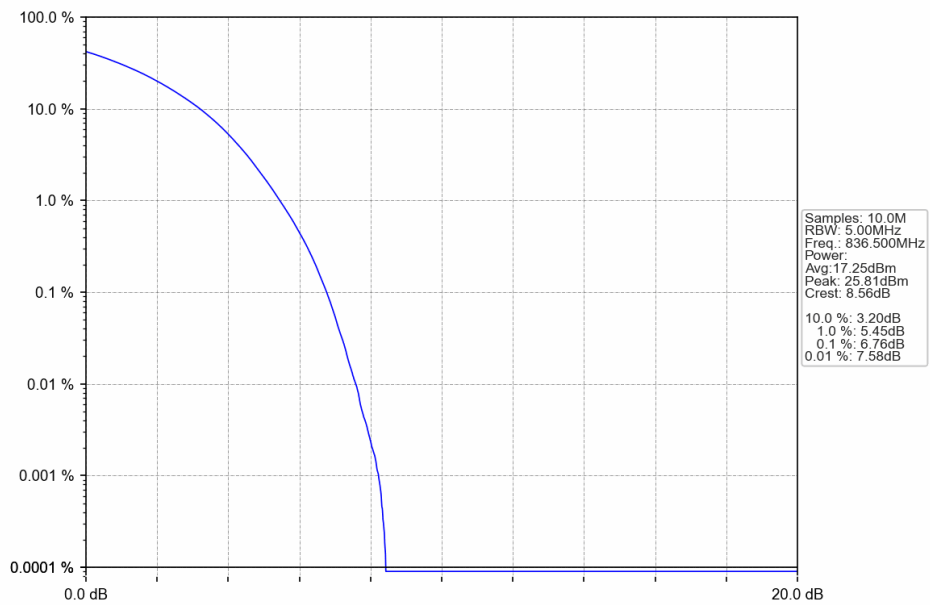
Band5 3MHz 64QAM HCH 847.5MHz RB 15 0 NTNV



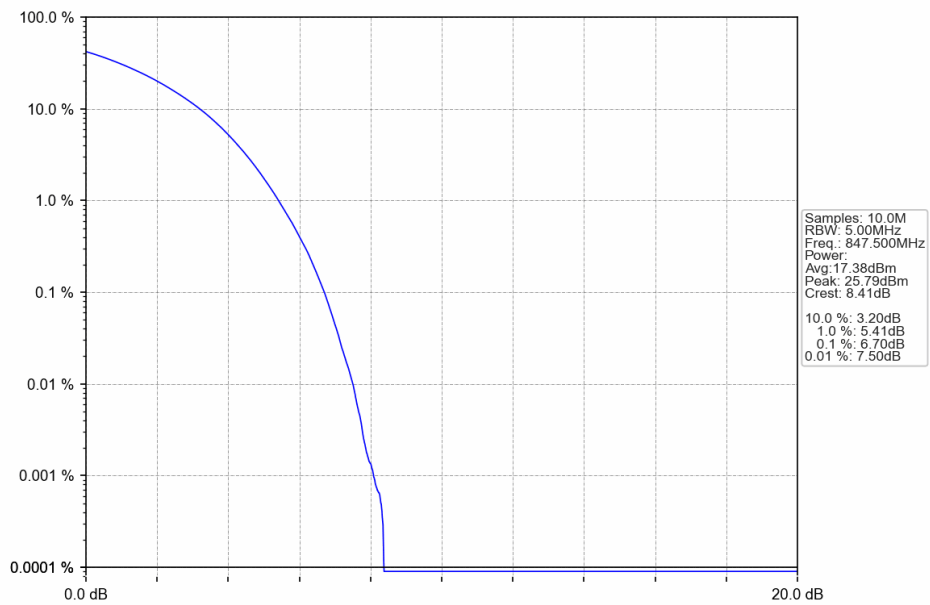
Band5 3MHz 256QAM LCH 825.5MHz RB 15 0 NTNV



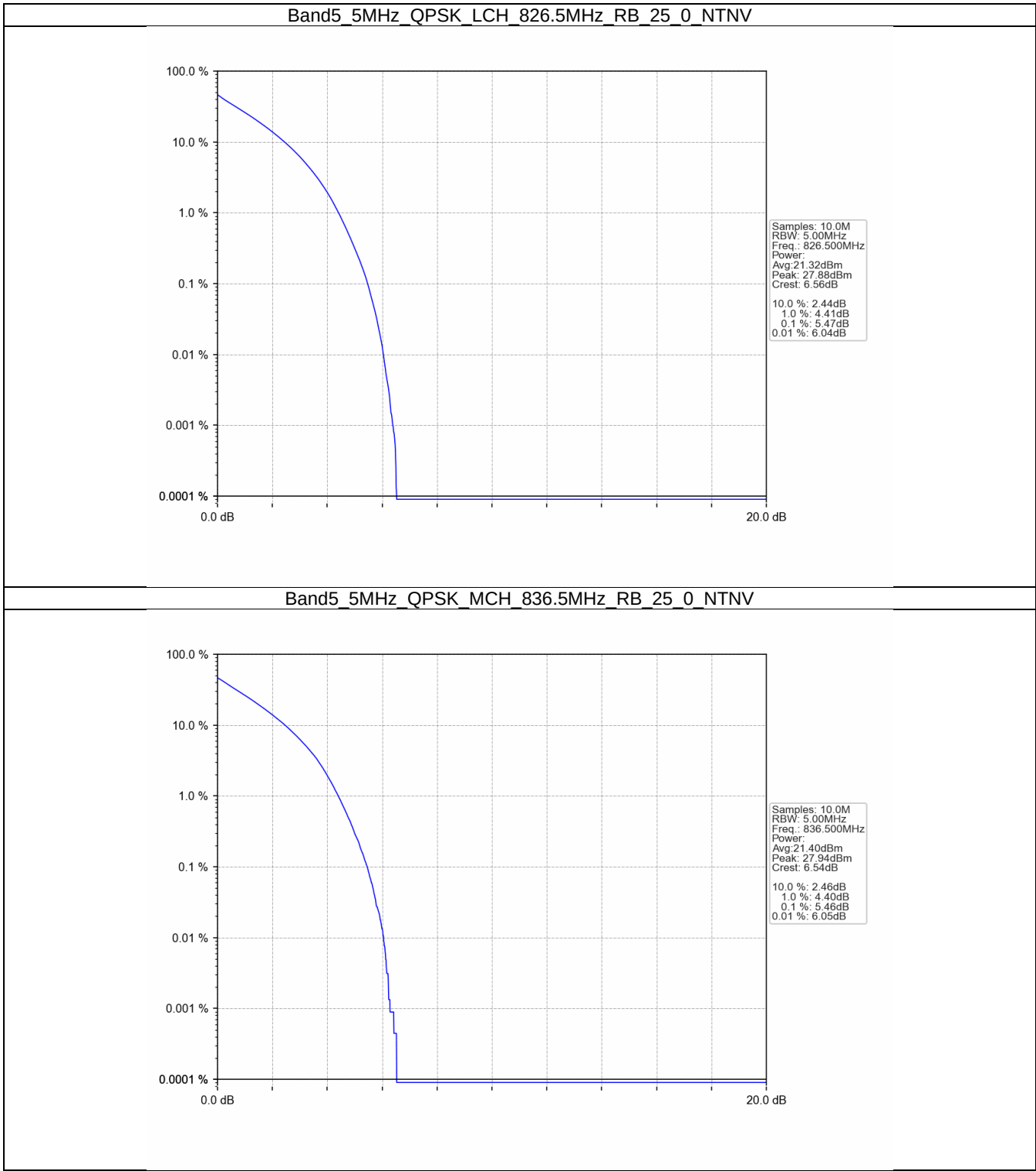
Band5 3MHz 256QAM MCH 836.5MHz RB 15 0 NTNV



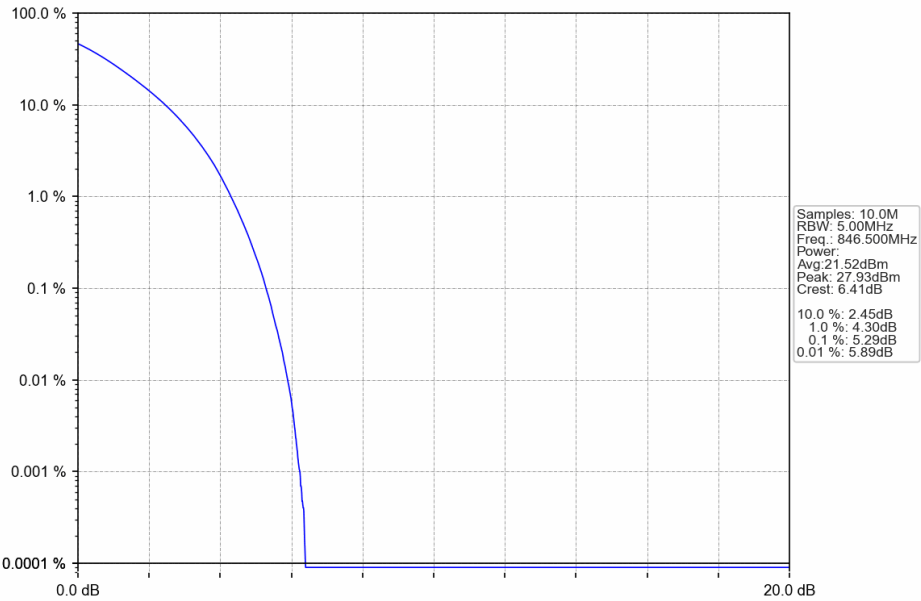
Band5 3MHz 256QAM HCH 847.5MHz RB 15 0 NTNV



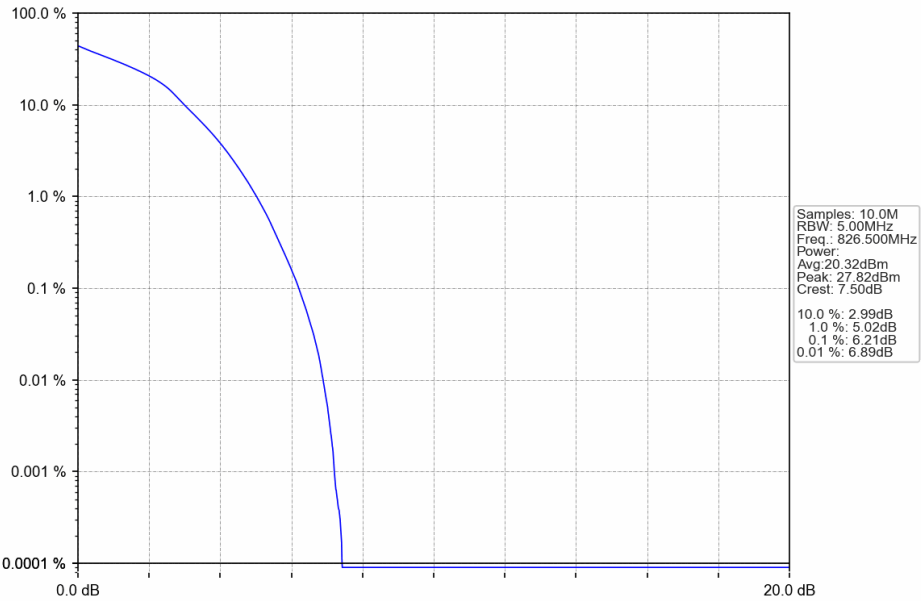
4.2.3 B5_5MHz



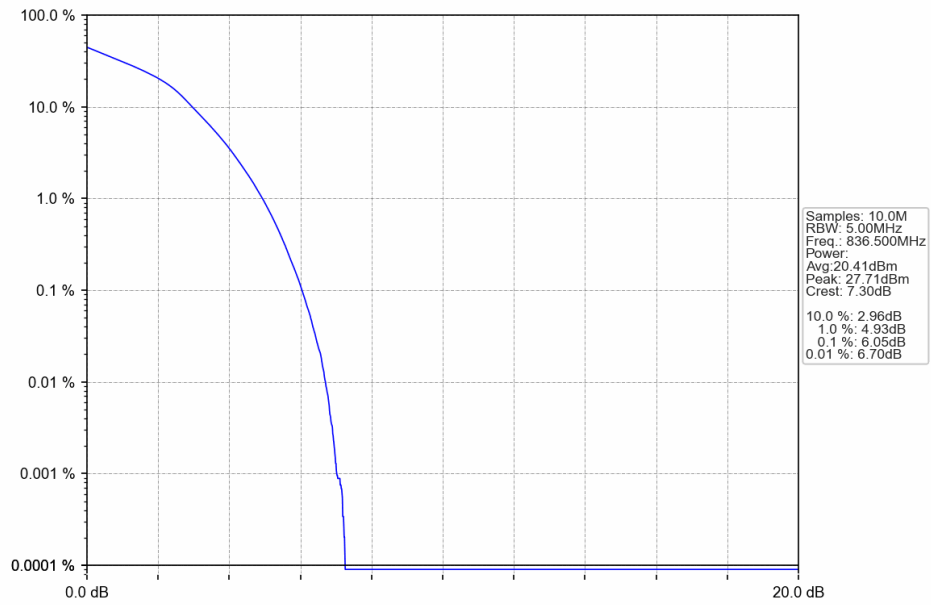
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



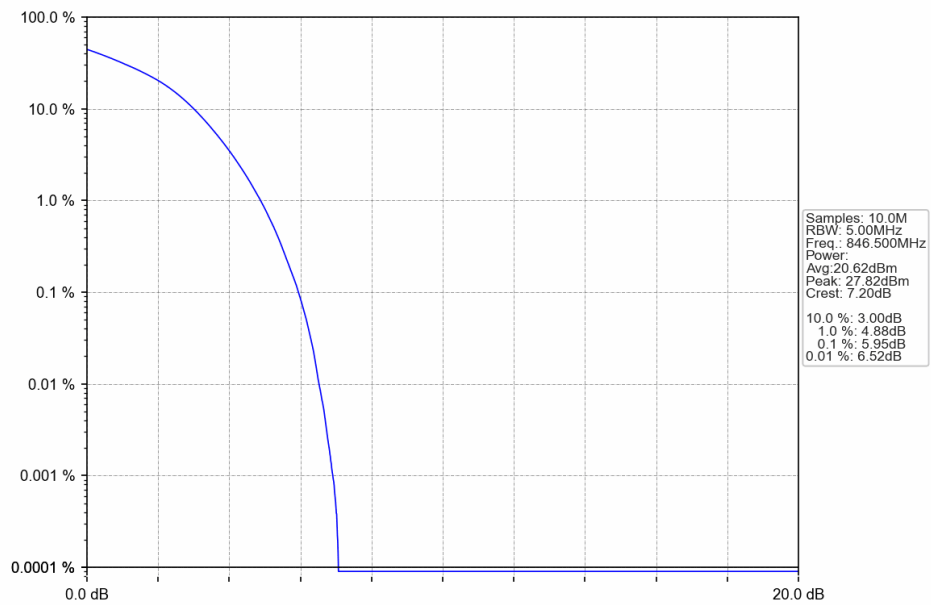
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



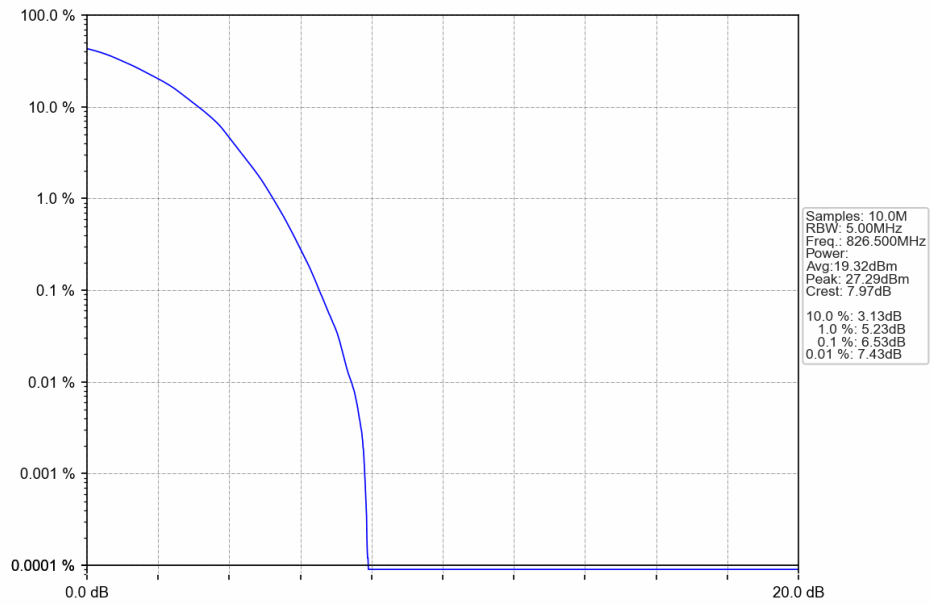
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



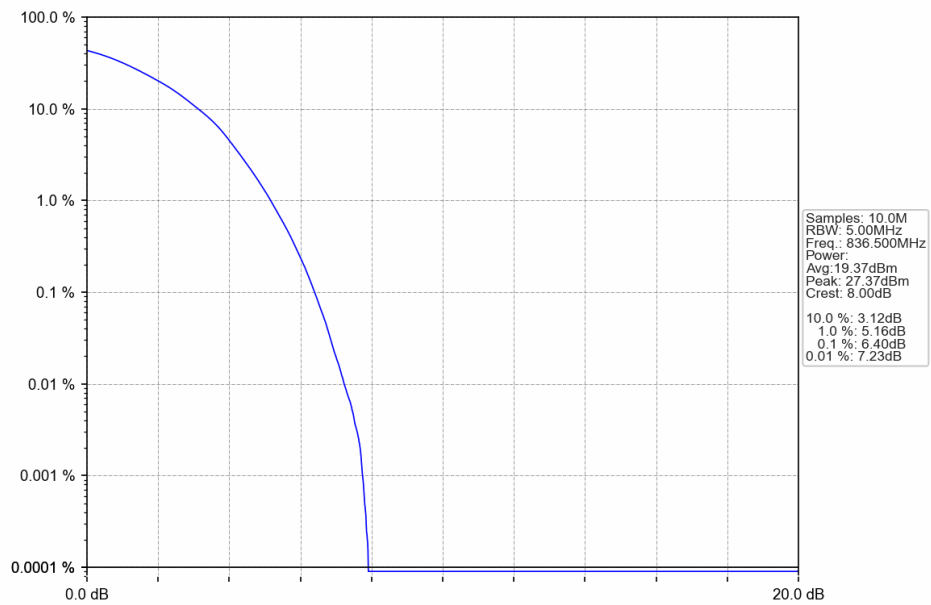
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



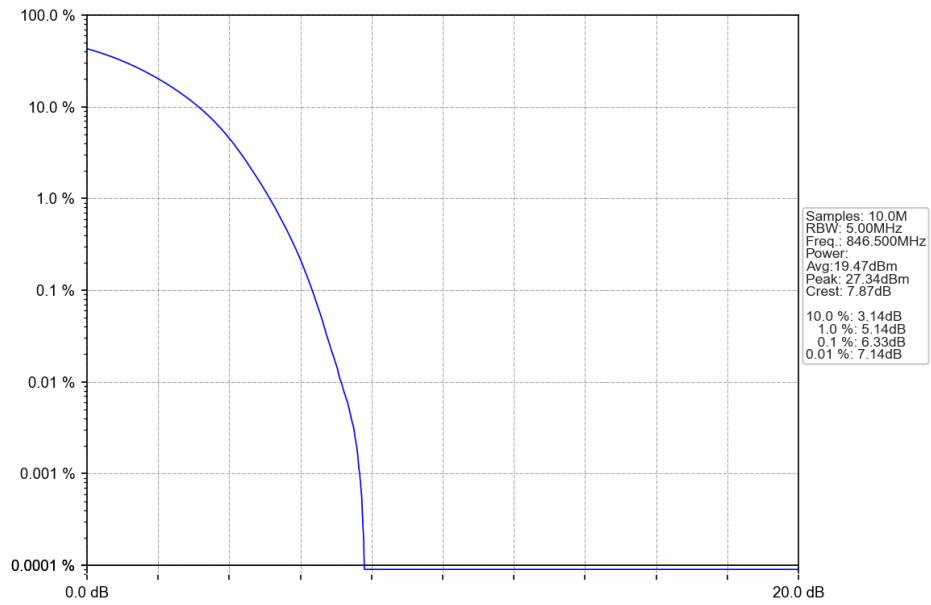
Band5 5MHz 64QAM LCH 826.5MHz RB 25 0 NTNV



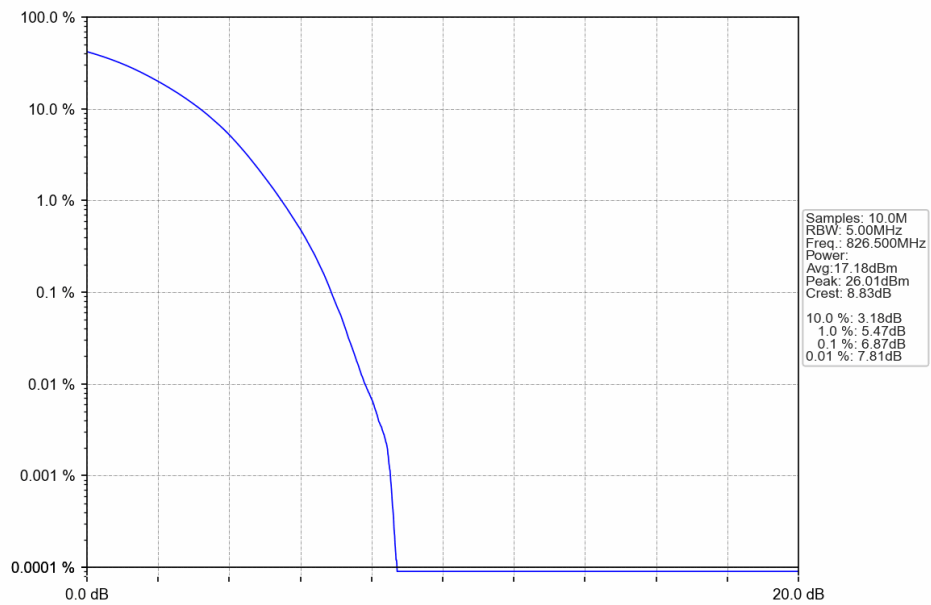
Band5 5MHz 64QAM MCH 836.5MHz RB 25 0 NTNV



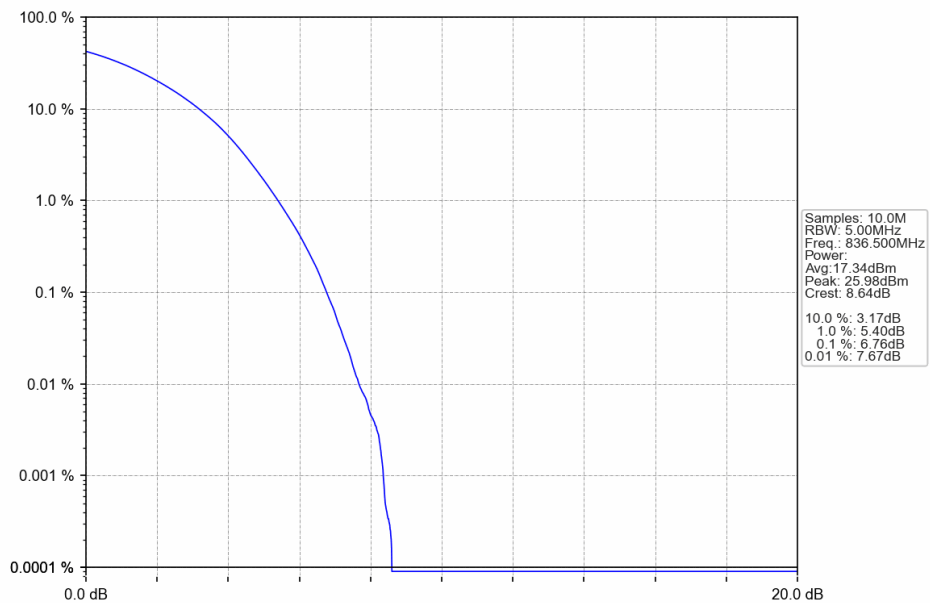
Band5 5MHz 64QAM HCH 846.5MHz RB 25 0 NTNV



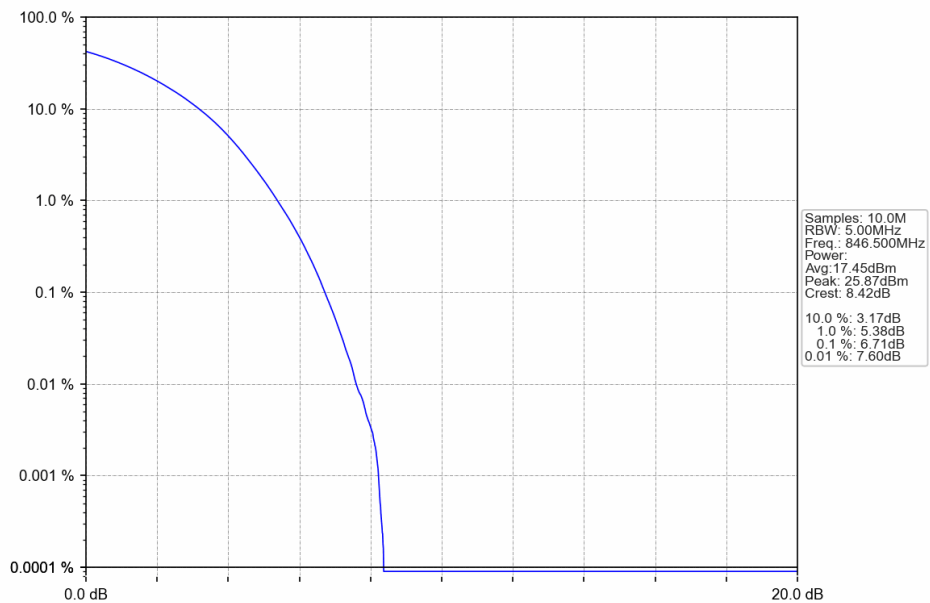
Band5 5MHz 256QAM LCH 826.5MHz RB 25 0 NTNV



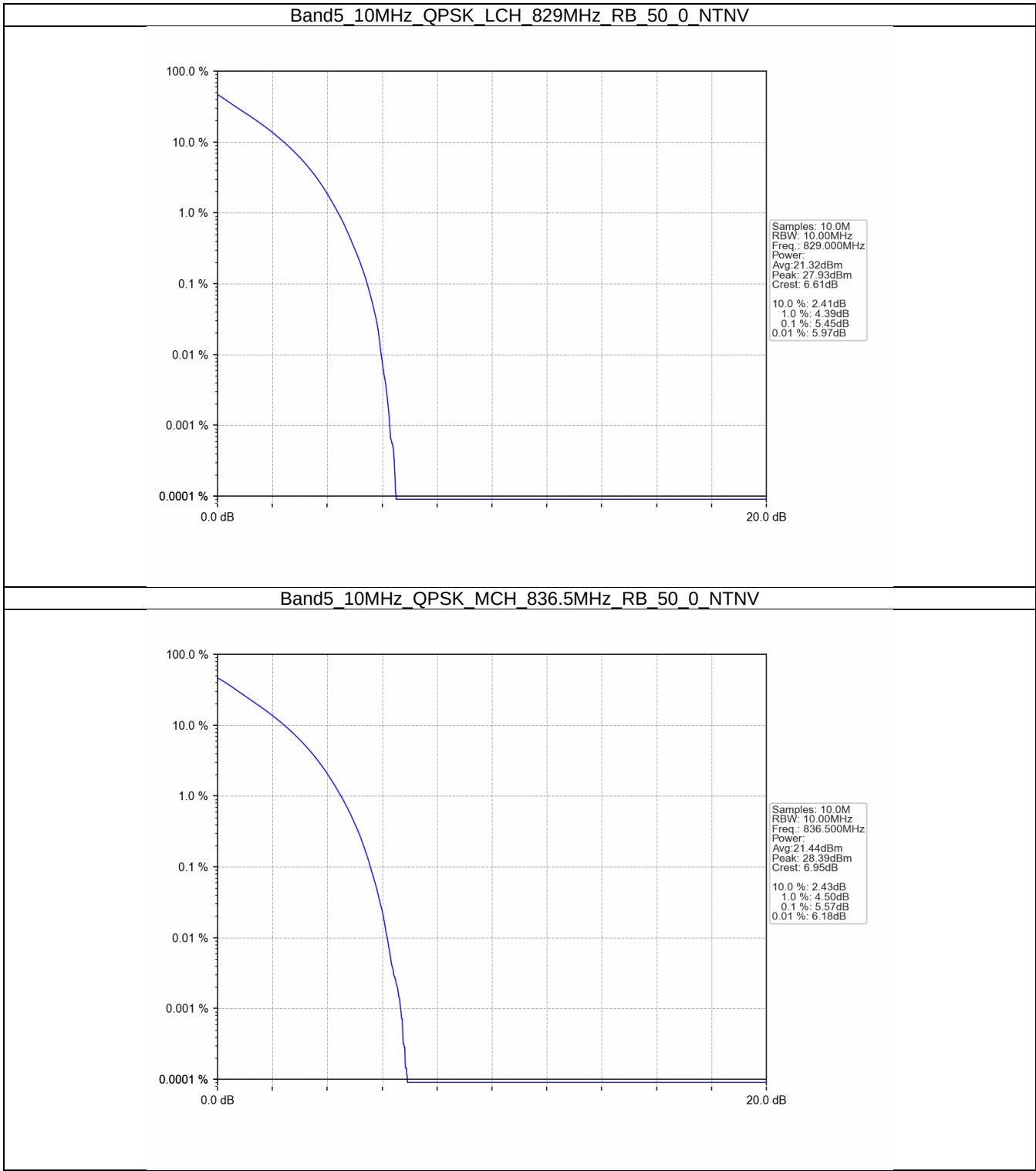
Band5 5MHz 256QAM MCH 836.5MHz RB 25 0 NTNV



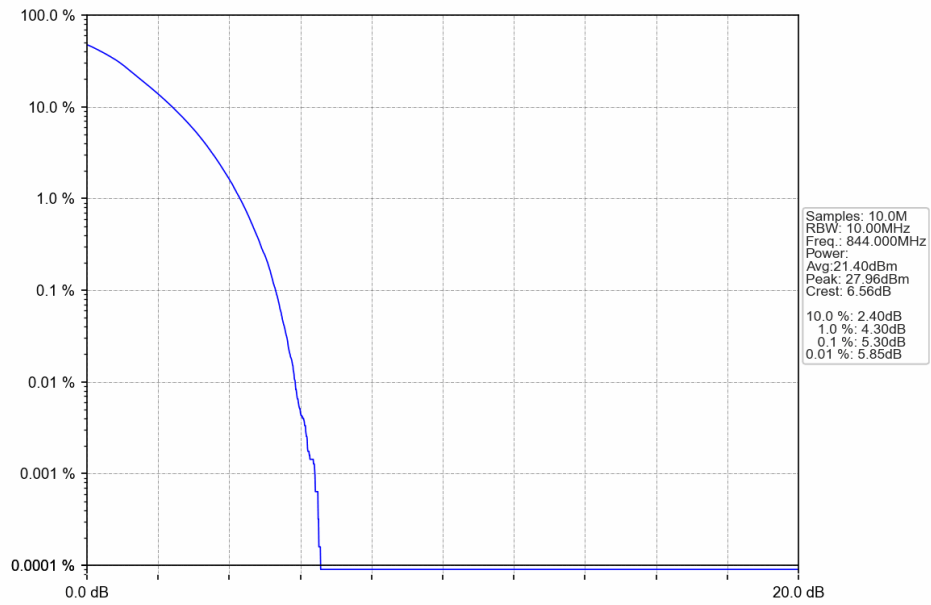
Band5 5MHz 256QAM HCH 846.5MHz RB 25 0 NTNV



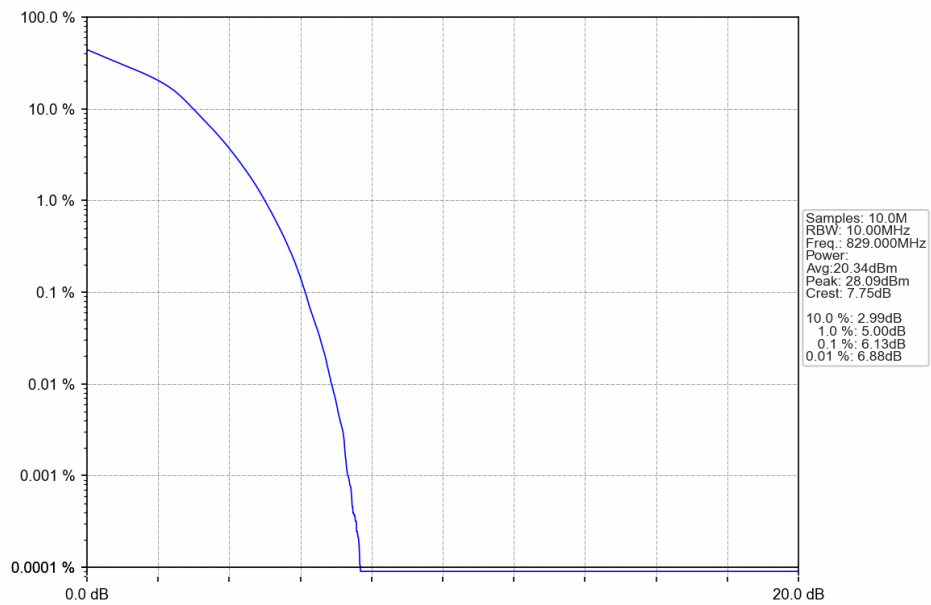
4.2.4 B5_10MHz



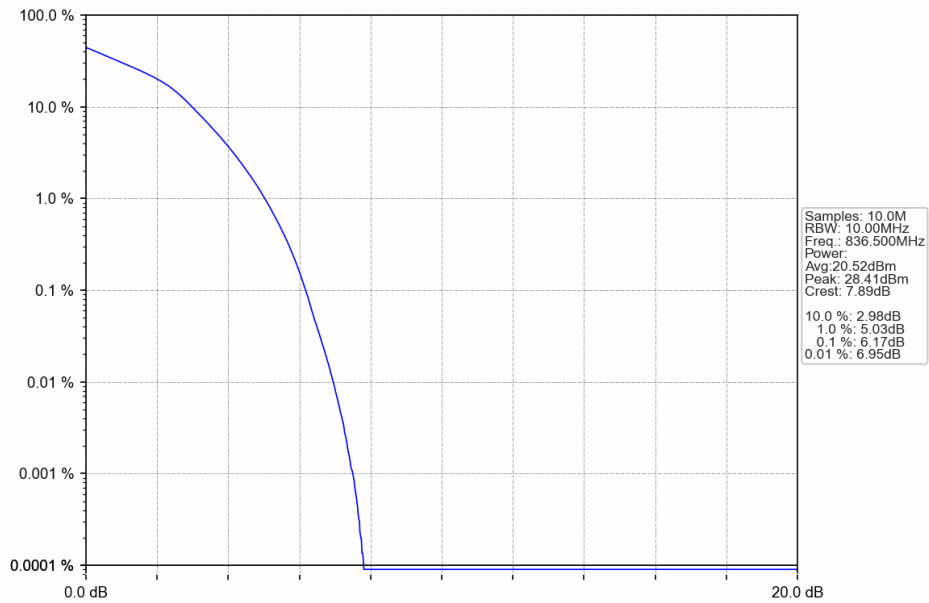
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



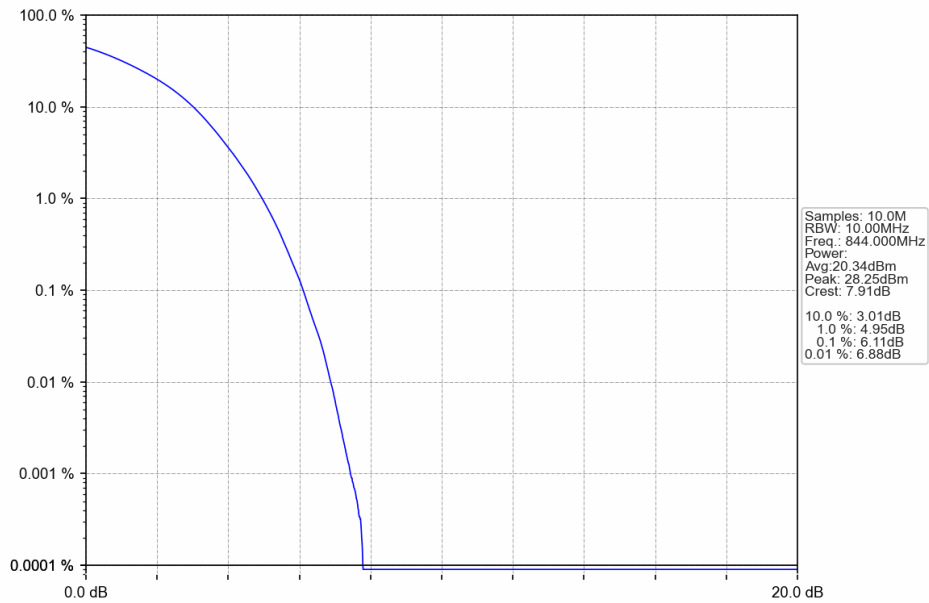
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



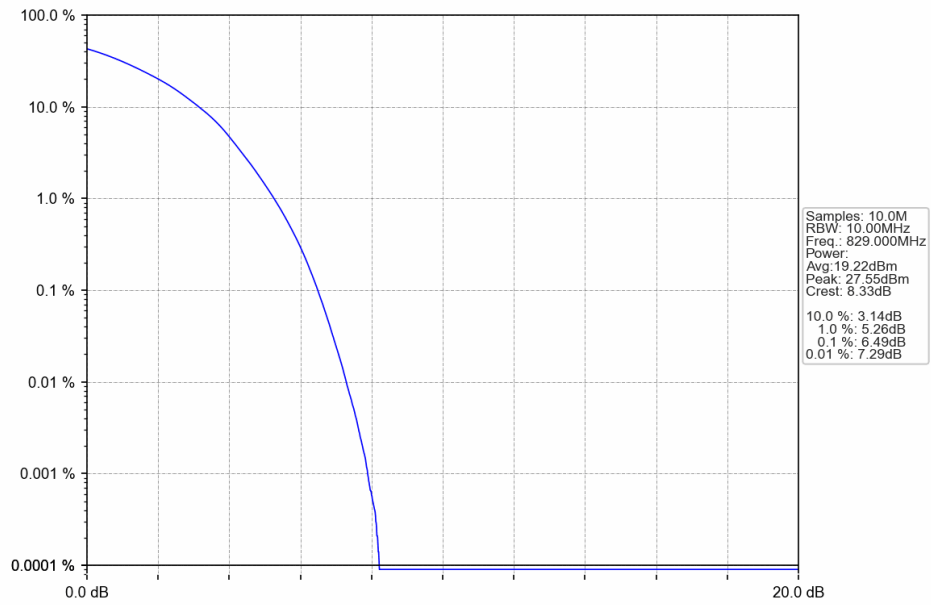
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



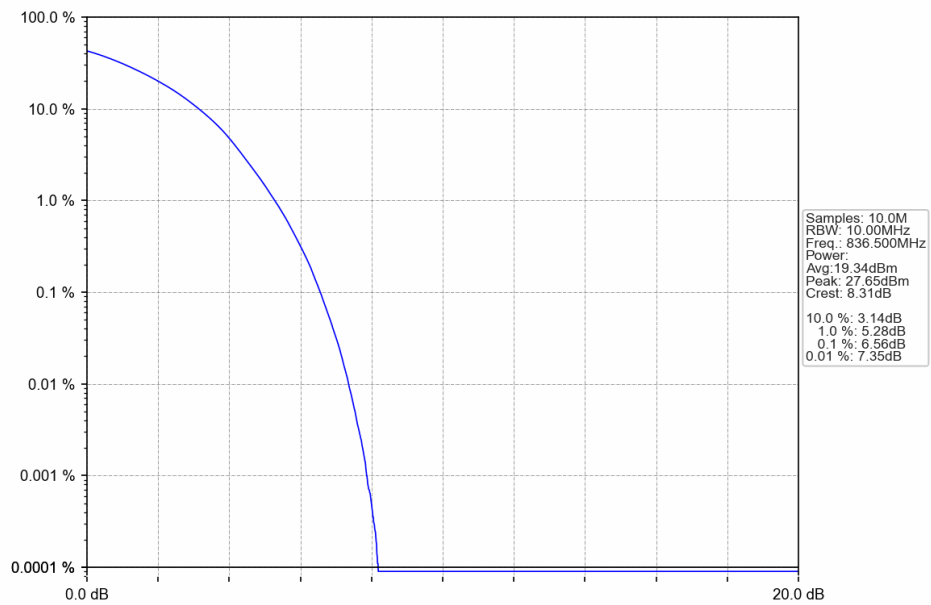
Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



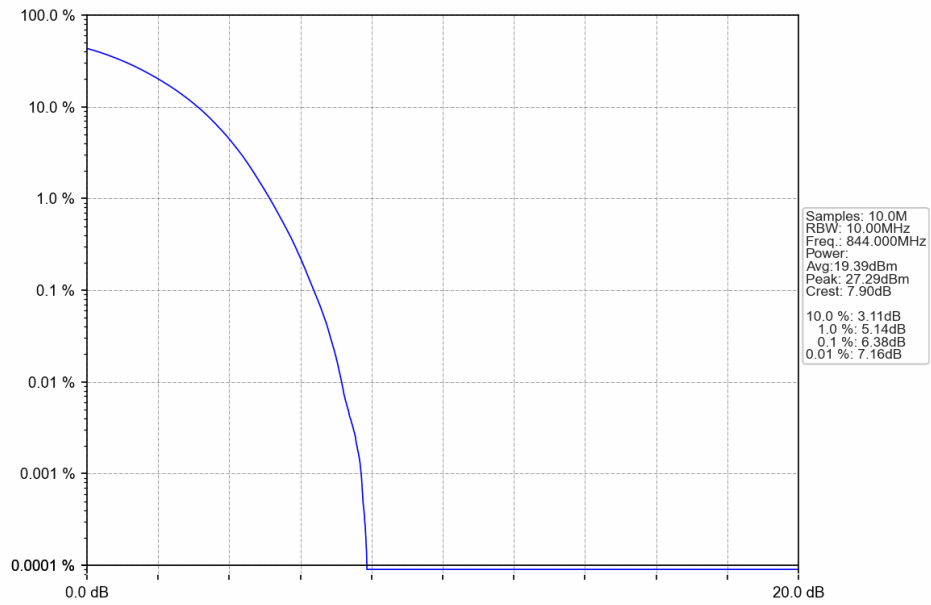
Band5 10MHz 64QAM LCH 829MHz RB 50 0 NTNV



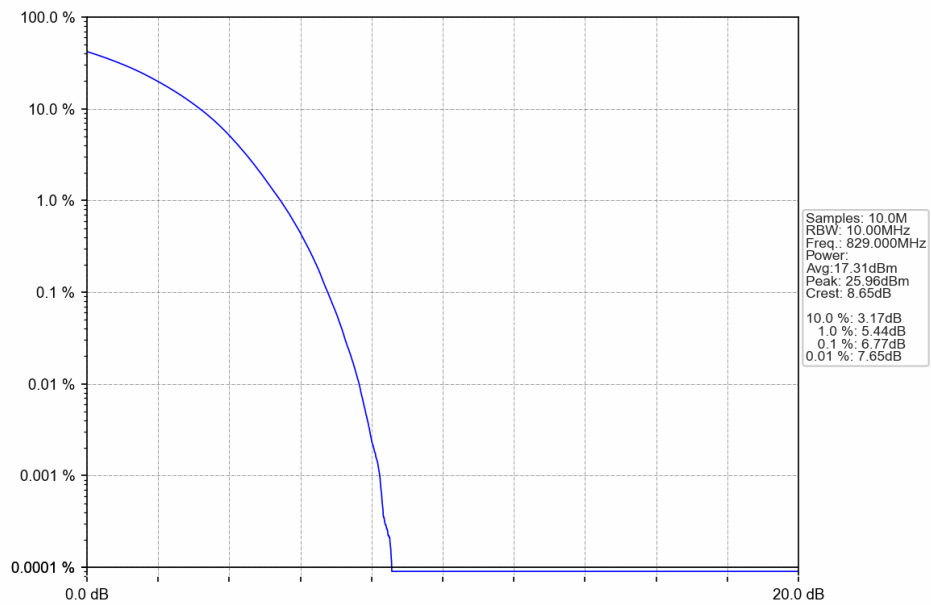
Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTNV



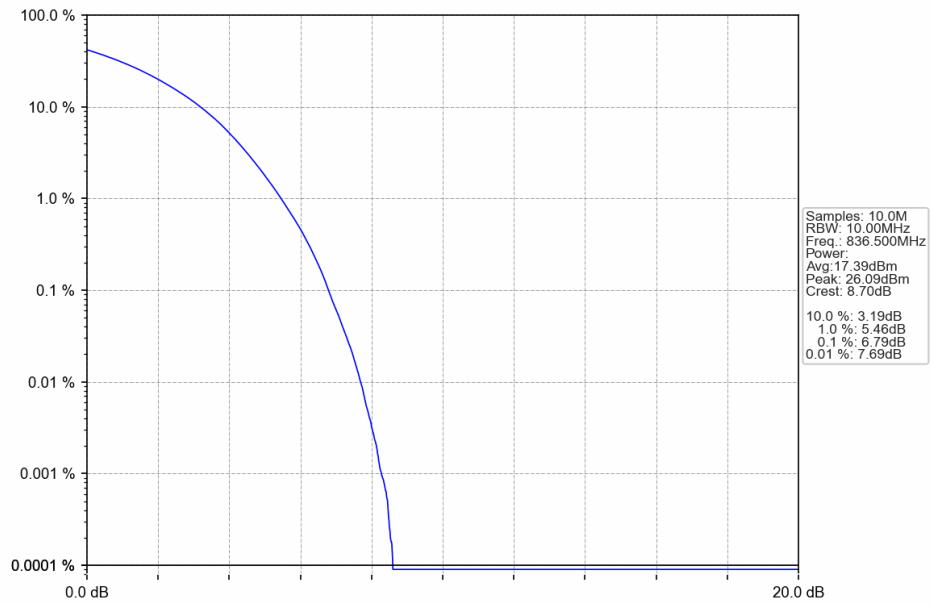
Band5 10MHz 64QAM HCH 844MHz RB 50 0 NTNV



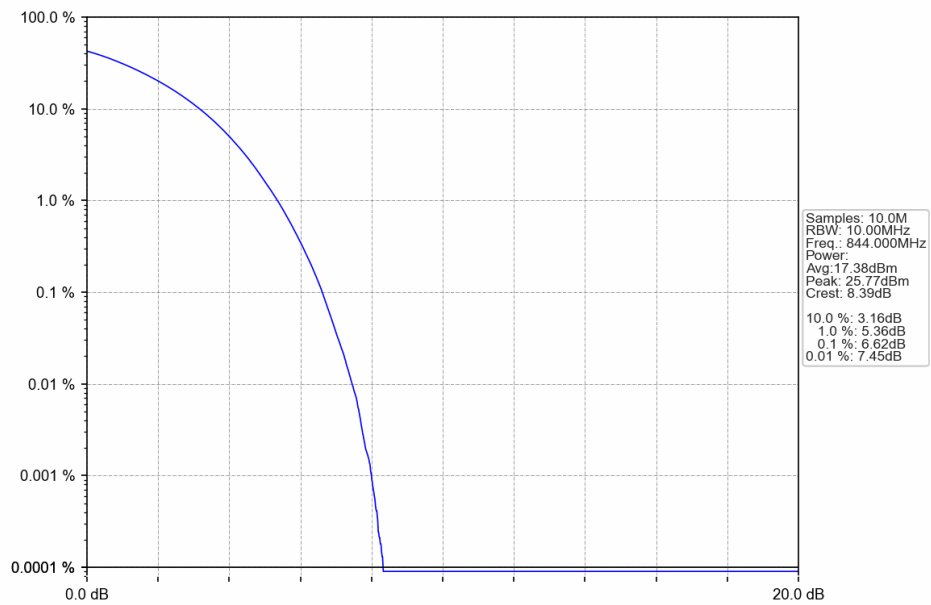
Band5 10MHz 256QAM LCH 829MHz RB 50 0 NTNV



Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 256QAM HCH 844MHz RB 50 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	848.3	1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	848.3	1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	848.3	1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
256QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	848.3	1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		847.5	1	0	Refer To Test Graph	
	14			Refer To Test Graph		Pass
	15		0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		847.5	1	0	Refer To Test Graph	
	14			Refer To Test Graph		Pass
	15		0	Refer To Test Graph		Pass
64QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		847.5	1	0	Refer To Test Graph	
	14			Refer To Test Graph		Pass
	15		0	Refer To Test Graph		Pass
256QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		847.5	1	0	Refer To Test Graph	
	14			Refer To Test Graph		Pass
	15		0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

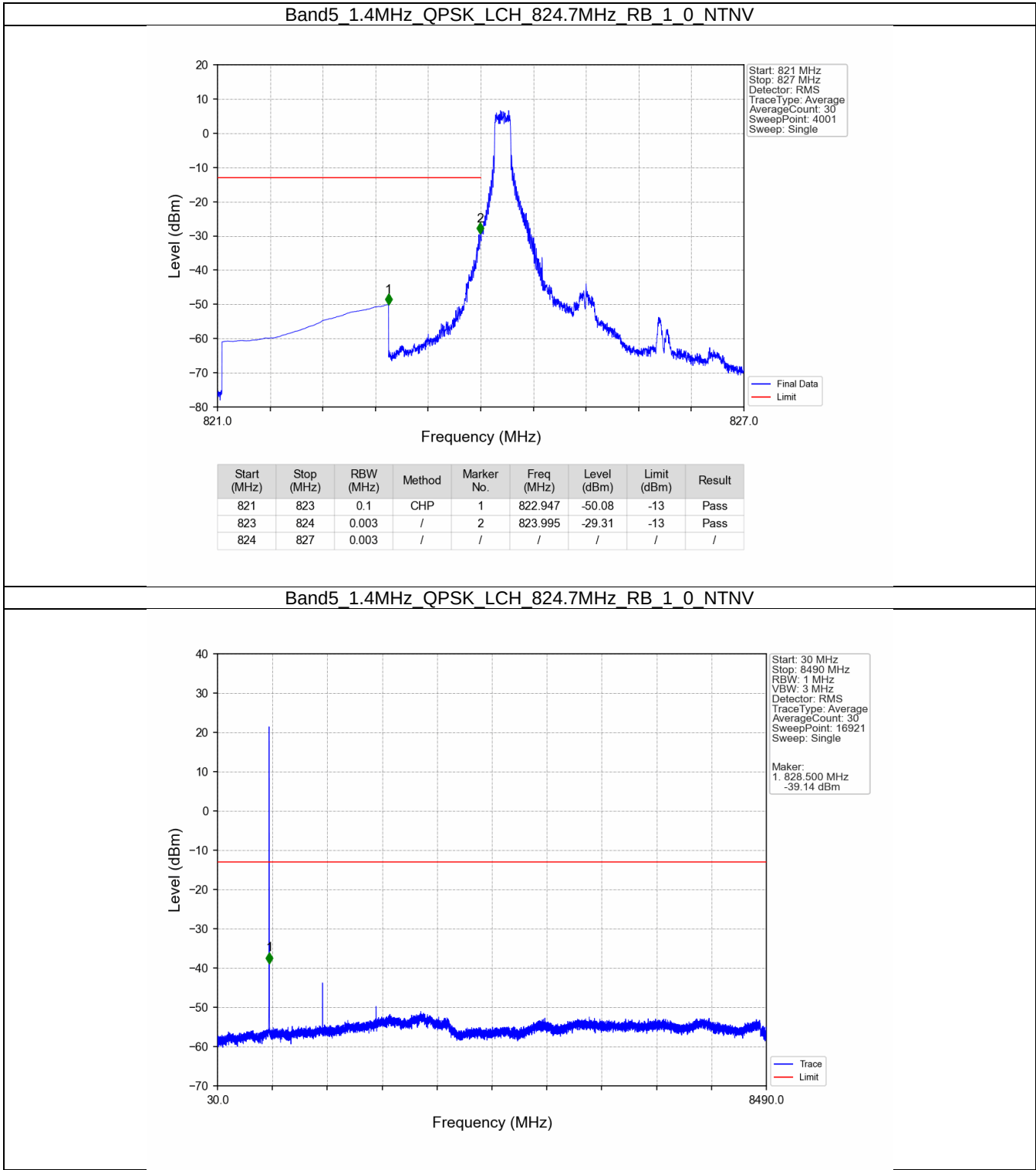
Band: 5 / Bandwidth: 5MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		846.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		846.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass
64QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		846.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass
256QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		846.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass

5.1.4 B5_10MHz

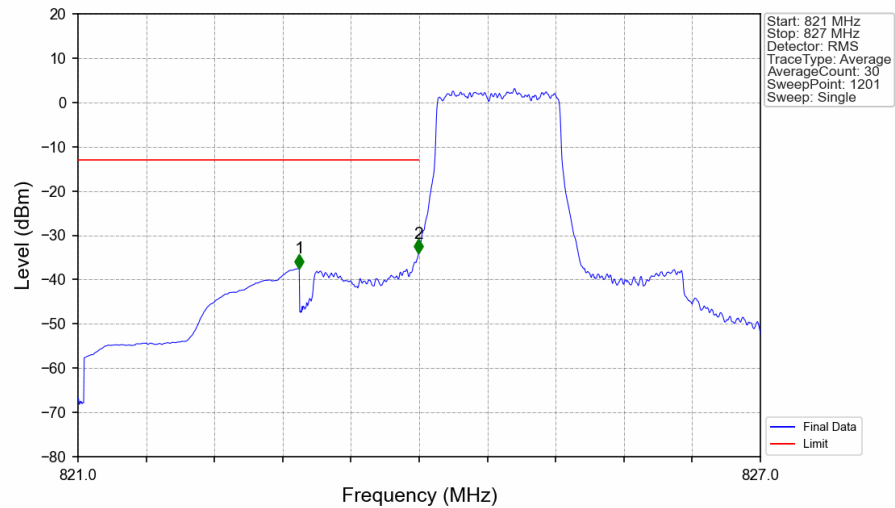
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		844	1	0	Refer To Test Graph	
			49	Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		844	1	0	Refer To Test Graph	
			49	Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass
64QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		844	1	0	Refer To Test Graph	
			49	Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass
256QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		844	1	0	Refer To Test Graph	
			49	Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B5_1.4MHz

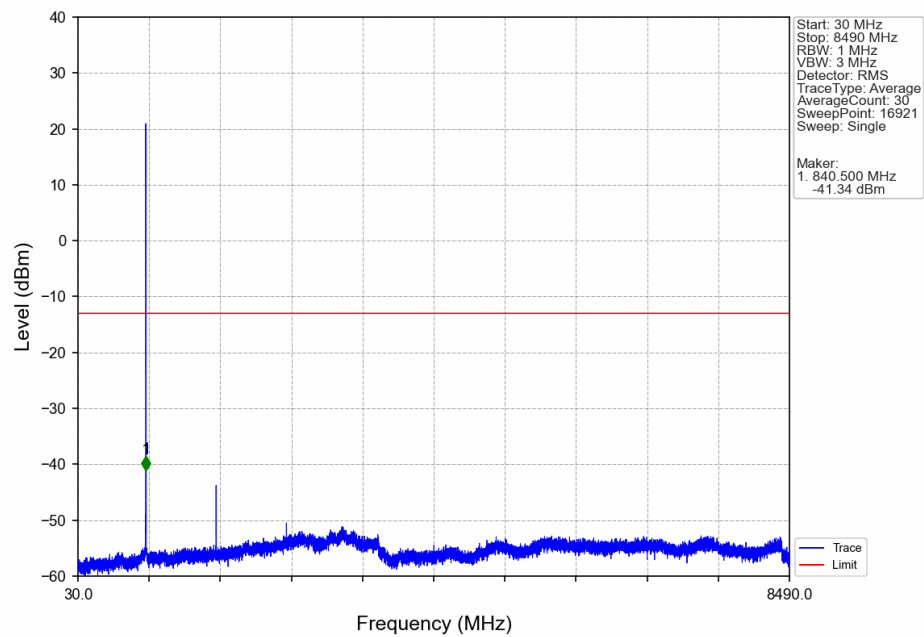


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

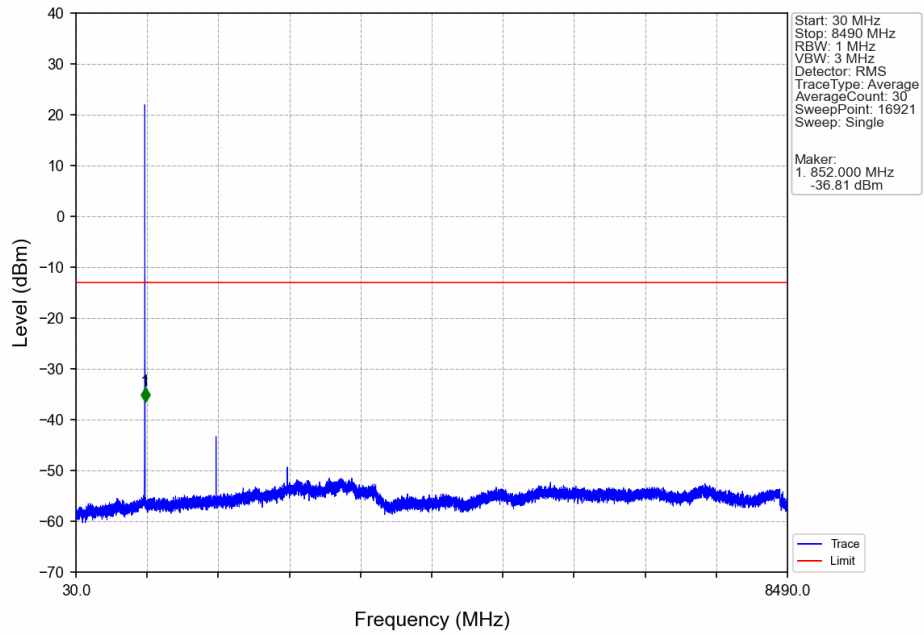


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-37.41	-13	Pass
823	824	0.013	CHP	2	823.995	-34.03	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

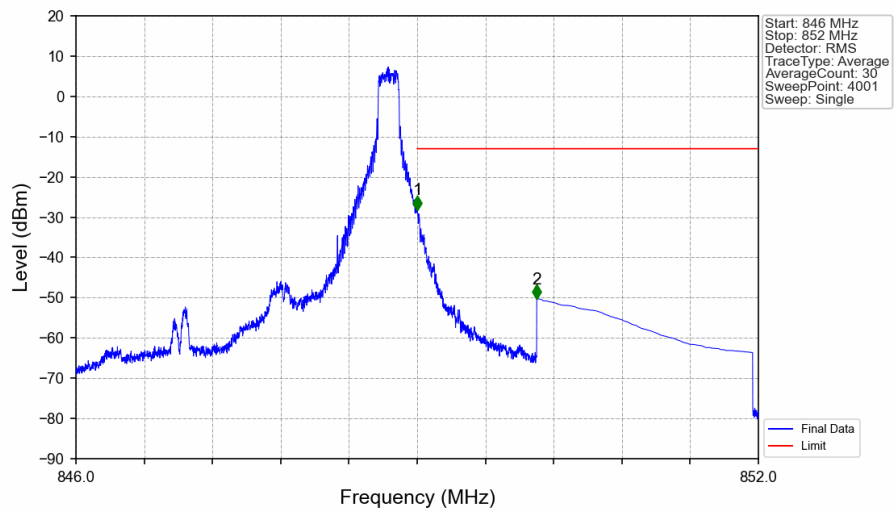
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

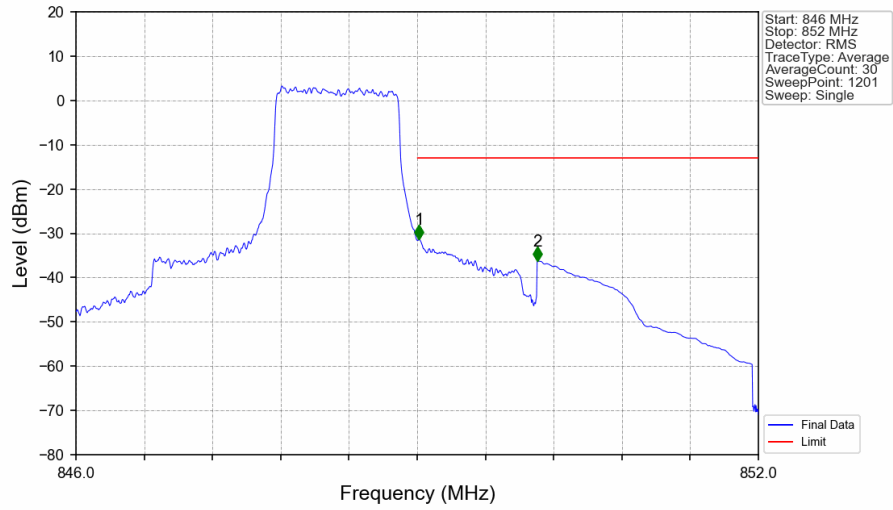


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



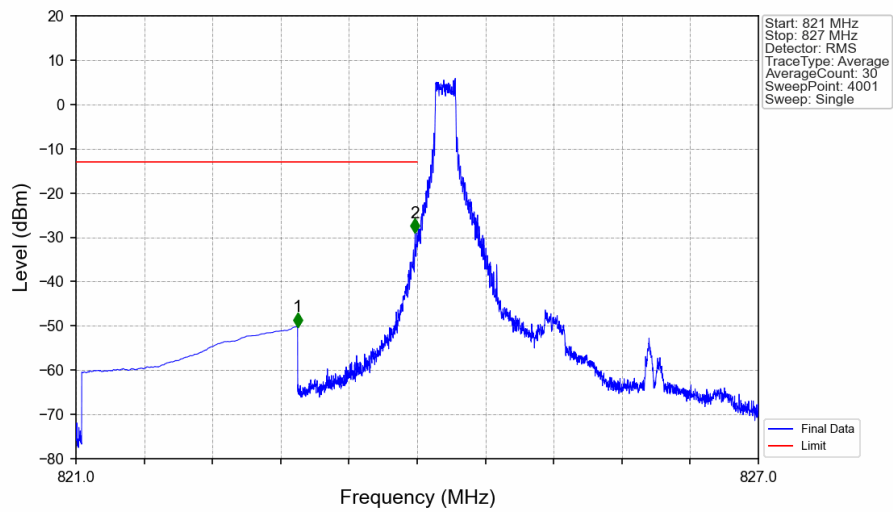
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-28.13	-13	Pass
850	852	0.1	CHP	2	850.052	-50.25	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



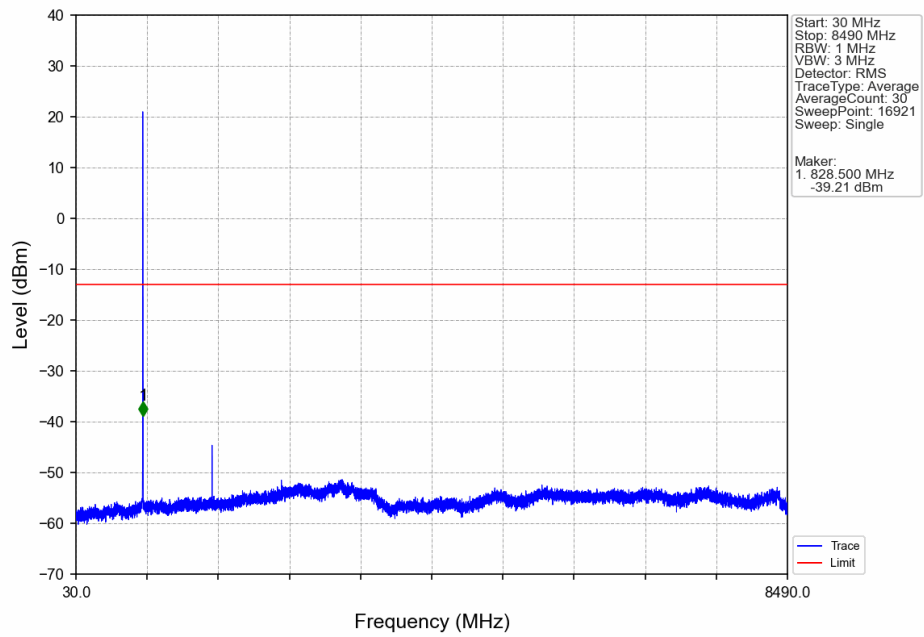
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.015	-31.39	-13	Pass
850	852	0.1	CHP	2	850.055	-36.17	-13	Pass

Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV

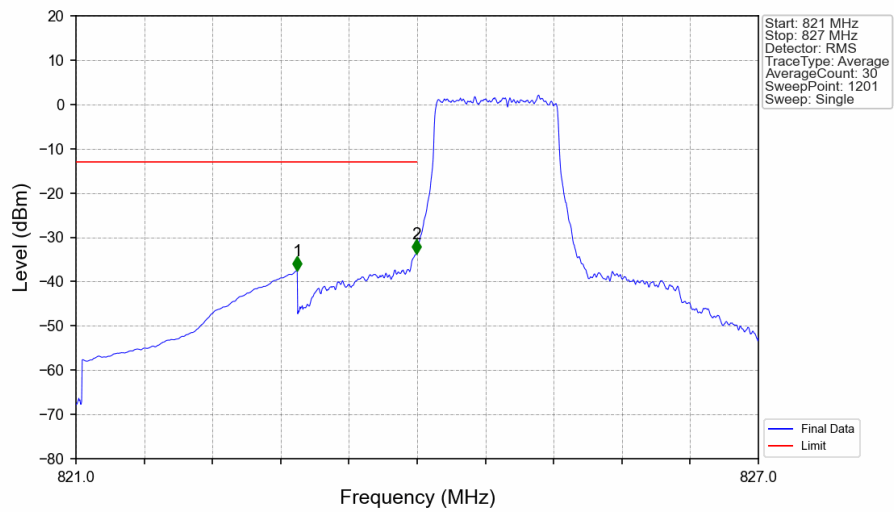


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-50.16	-13	Pass
823	824	0.003	/	2	823.982	-28.93	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV

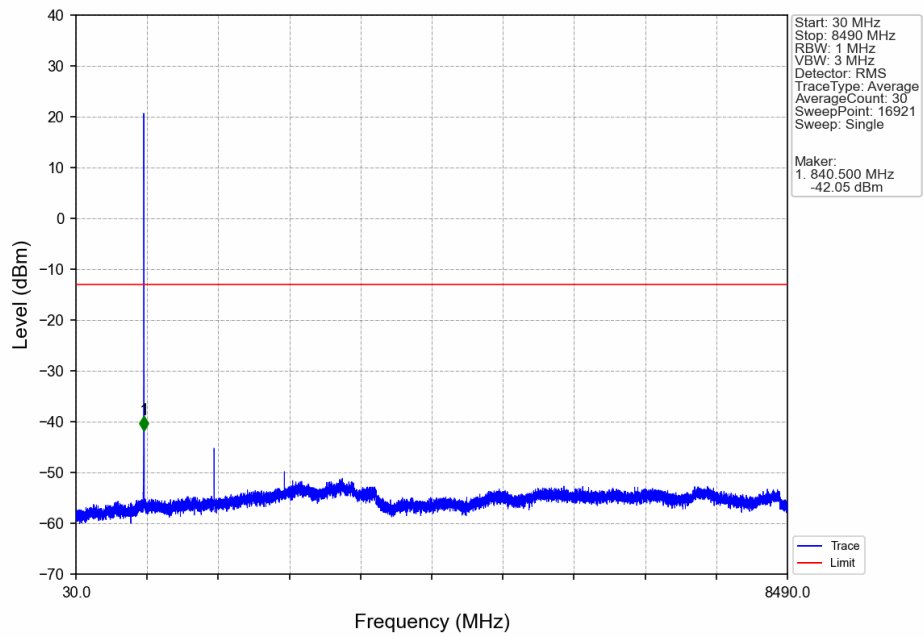


Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-37.43	-13	Pass
823	824	0.013	CHP	2	823.995	-33.70	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTNV

