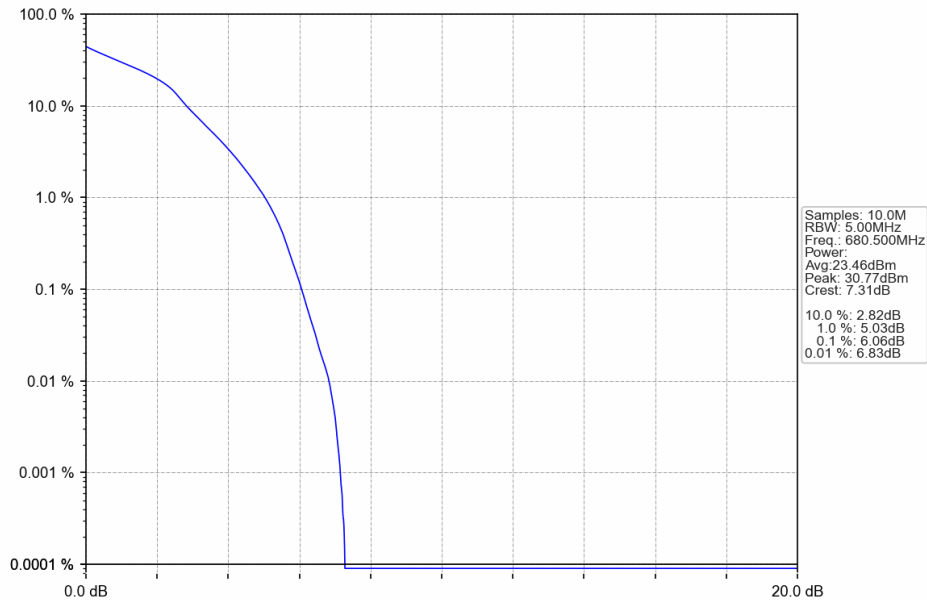


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Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



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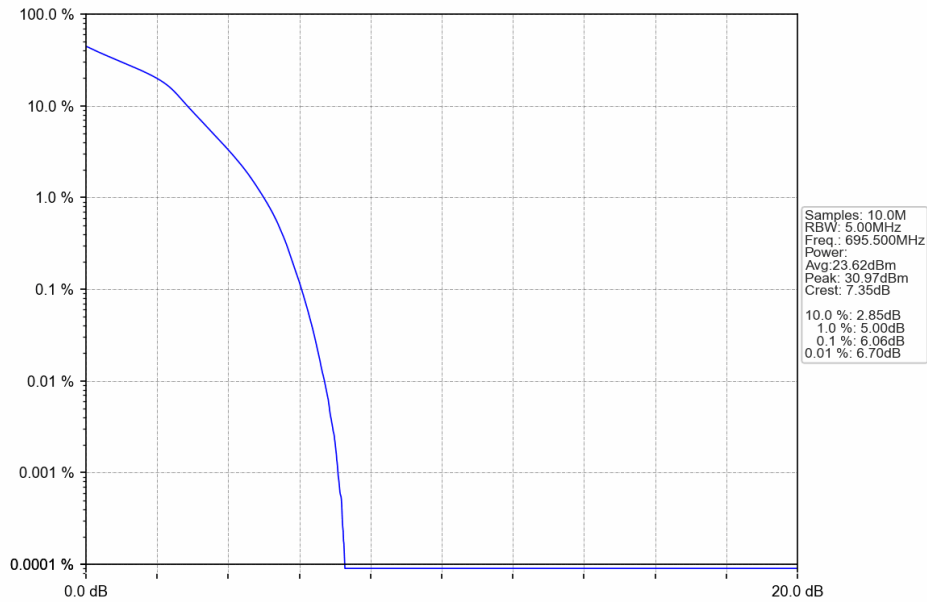
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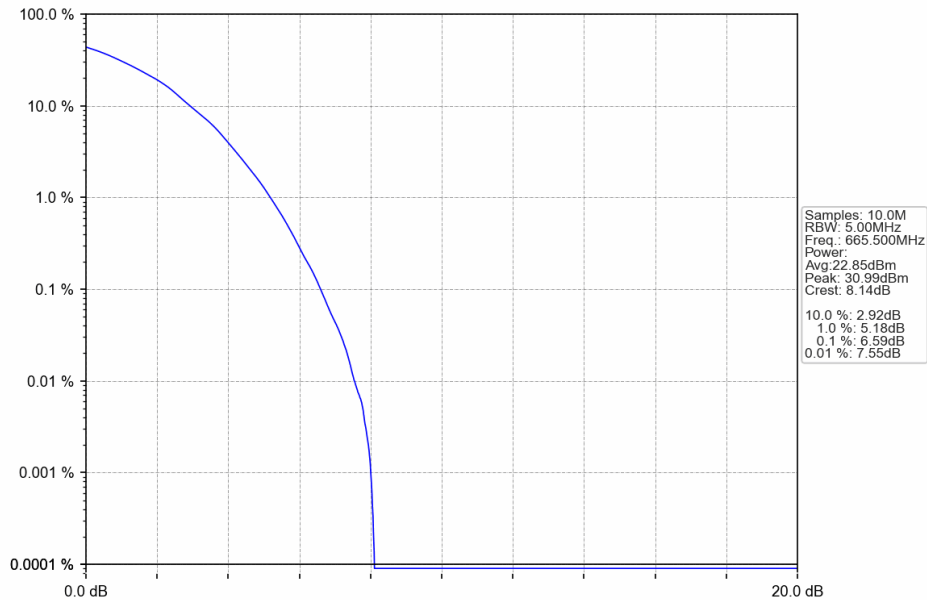
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Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



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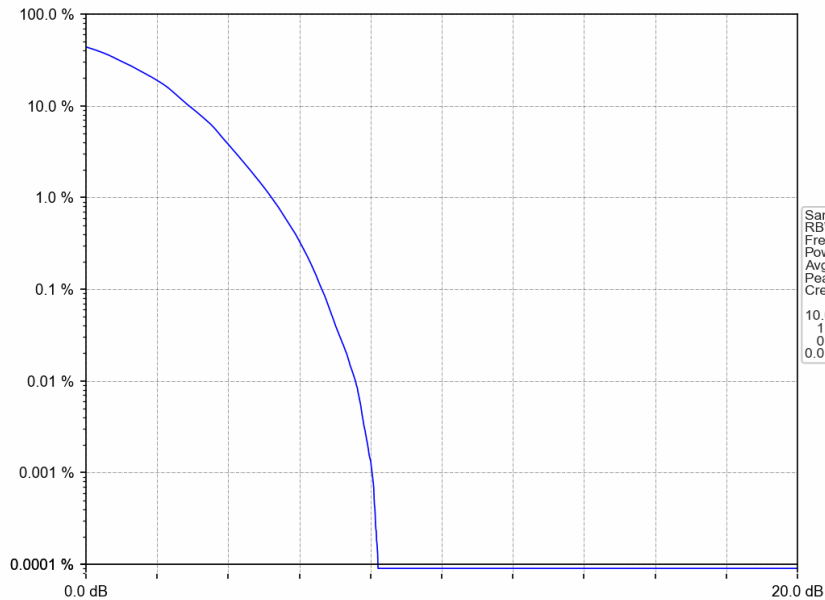
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Band71 5MHz 64QAM MCH 680.5MHz RB 25 0 NTN



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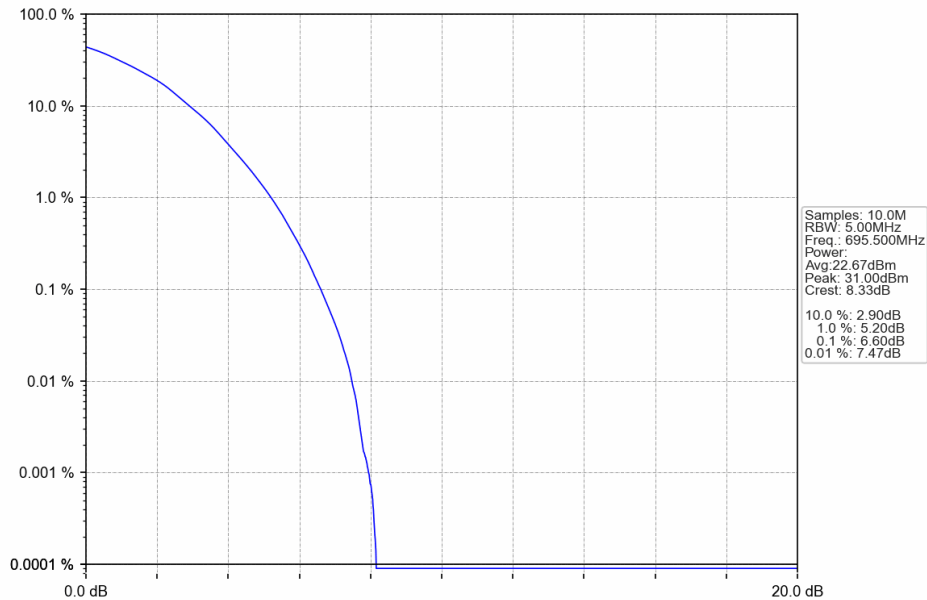
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3.2 B71_10MHz

3.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.24	<=13	Pass
	680.5	50	0	5.26	<=13	Pass
	693	50	0	5.16	<=13	Pass
16QAM	668	50	0	6.00	<=13	Pass
	680.5	50	0	6.05	<=13	Pass
	693	50	0	5.98	<=13	Pass
64QAM	668	50	0	6.57	<=13	Pass
	680.5	50	0	6.64	<=13	Pass
	693	50	0	6.54	<=13	Pass

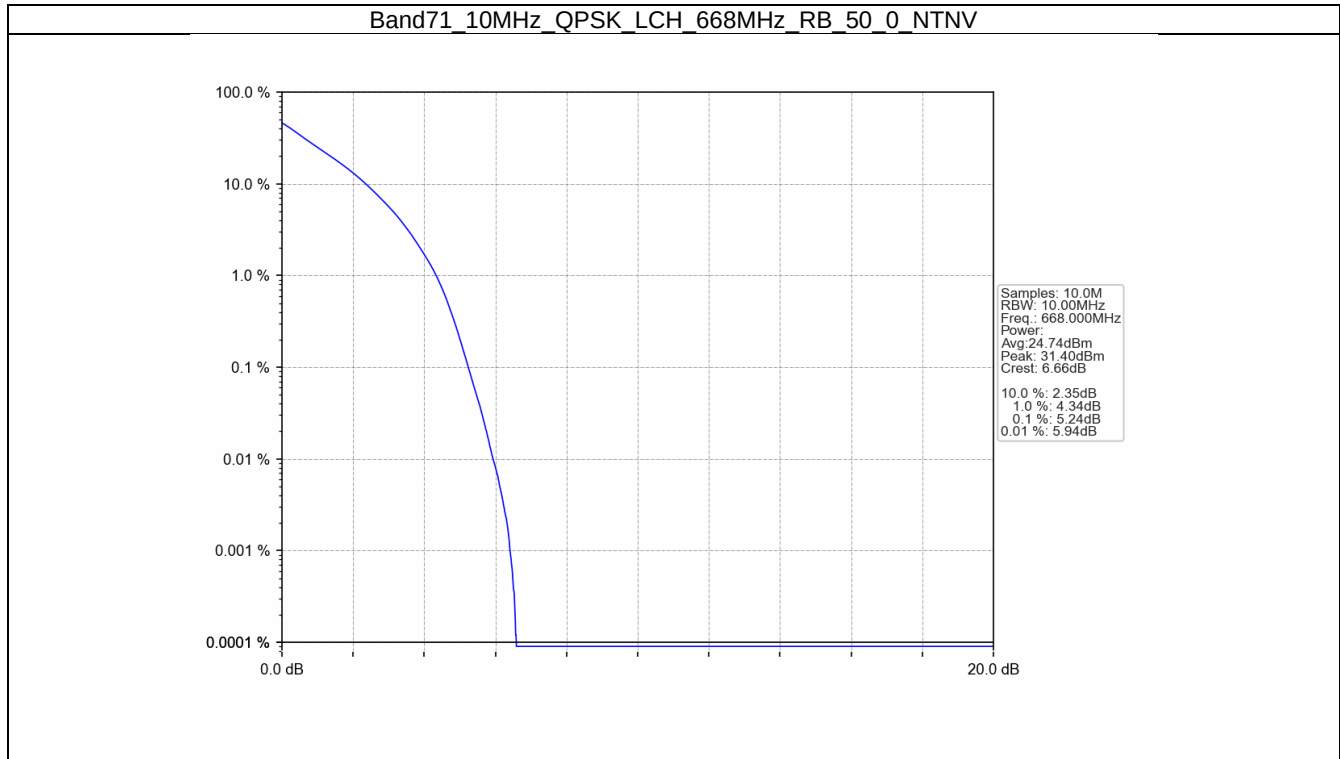


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3.2.2 Test Graph



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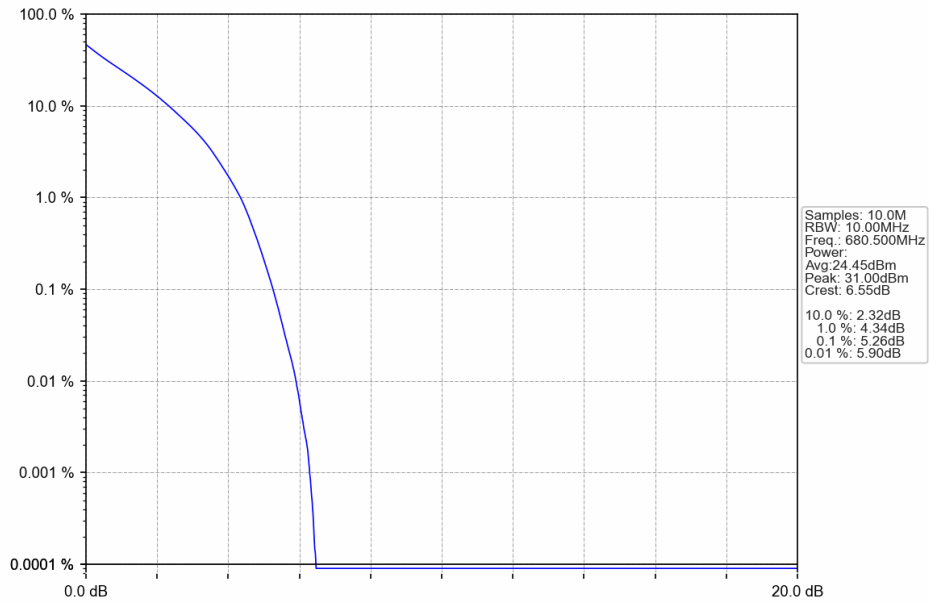
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Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



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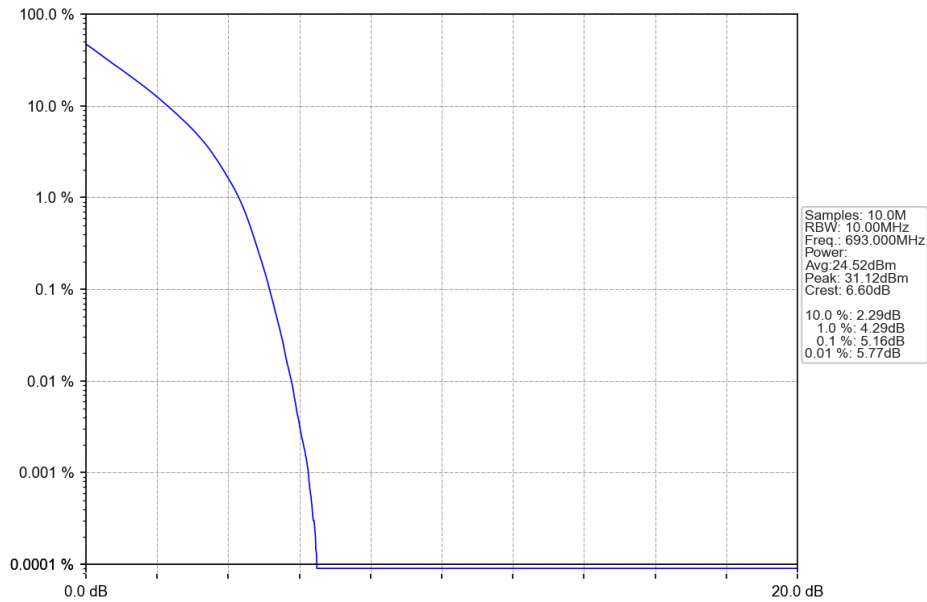
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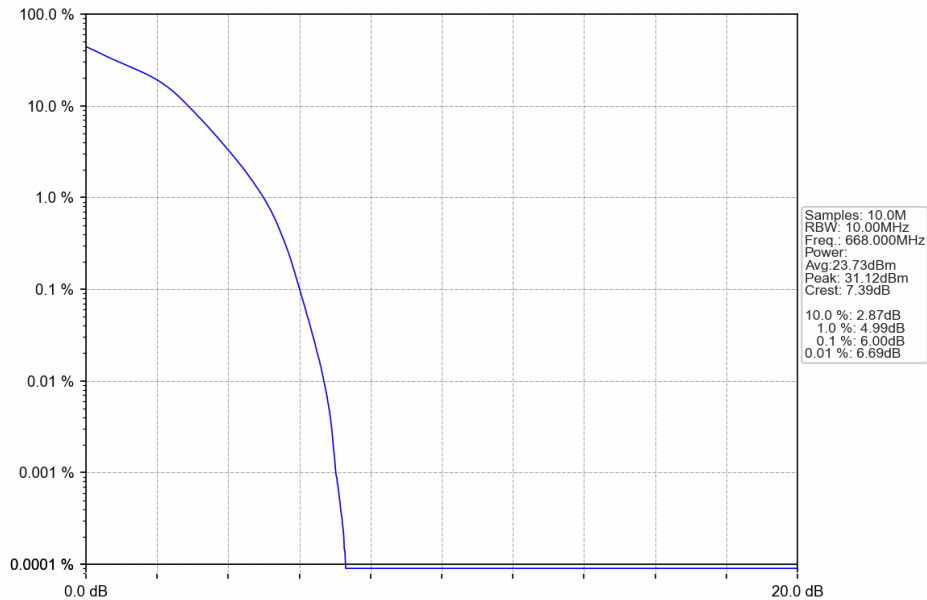
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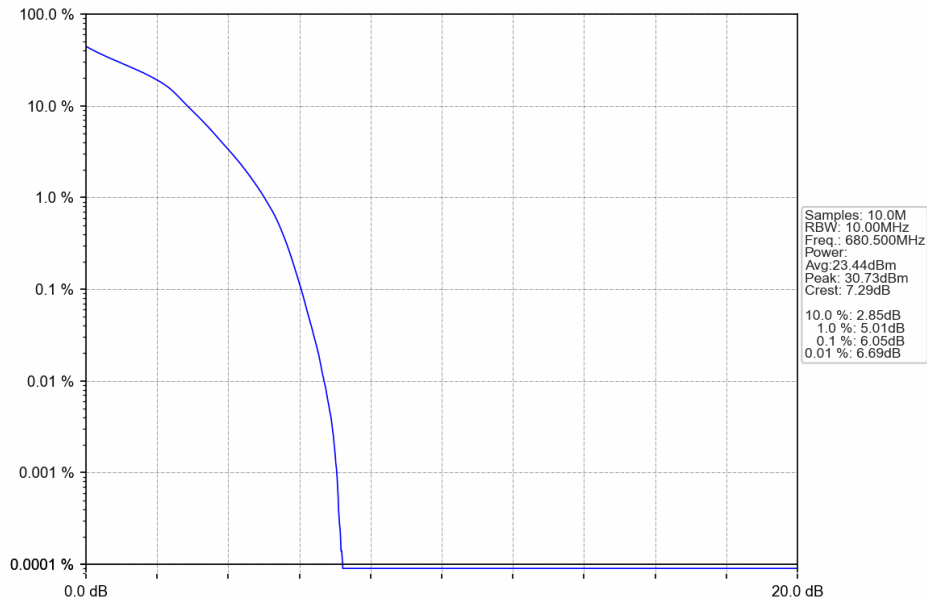
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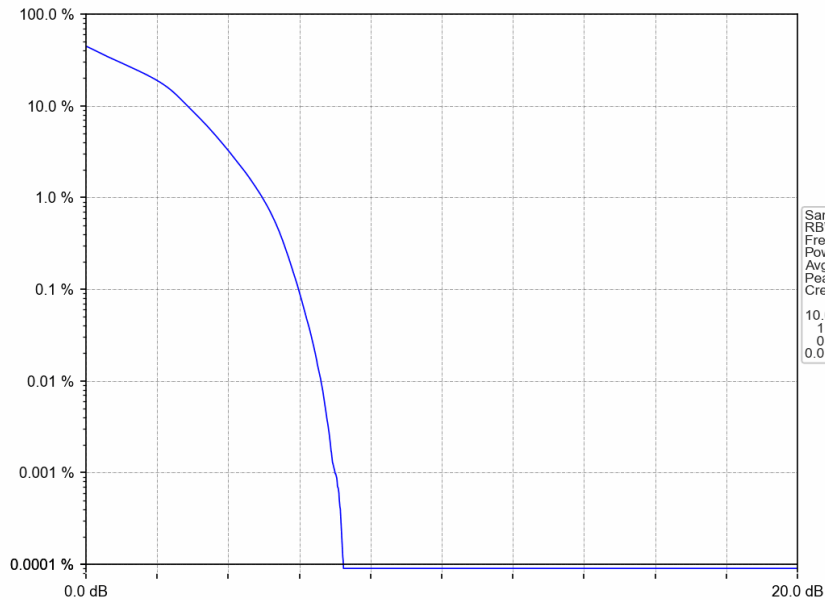
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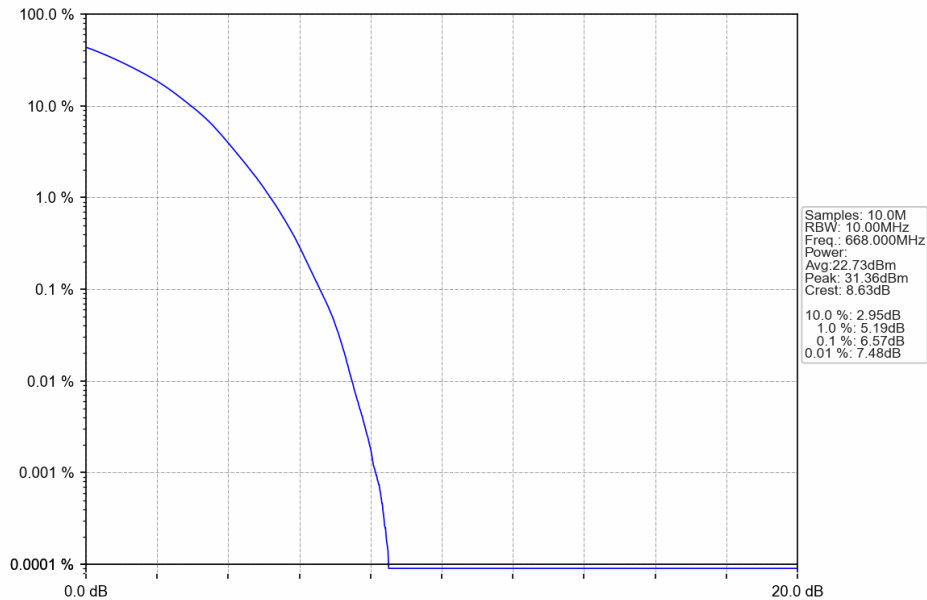
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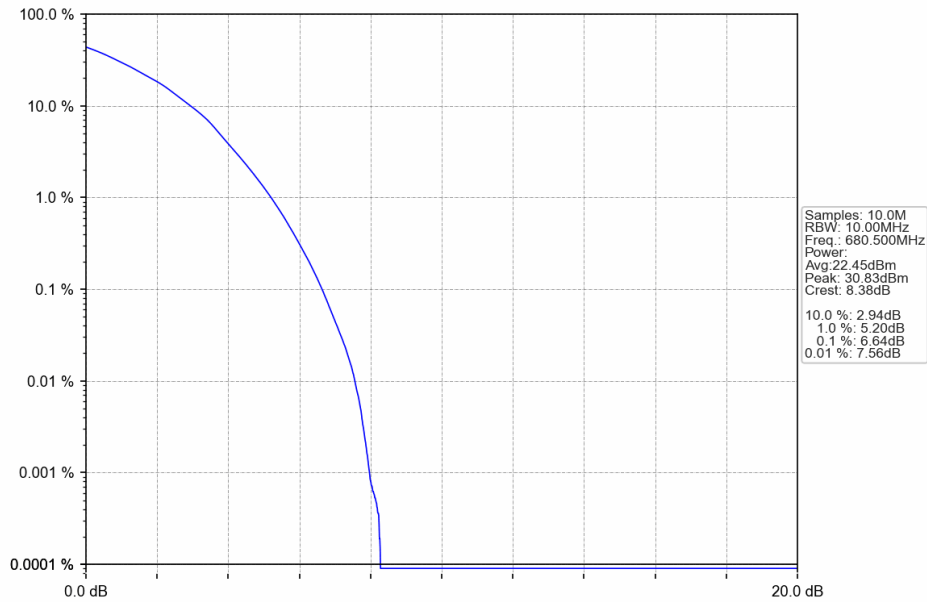
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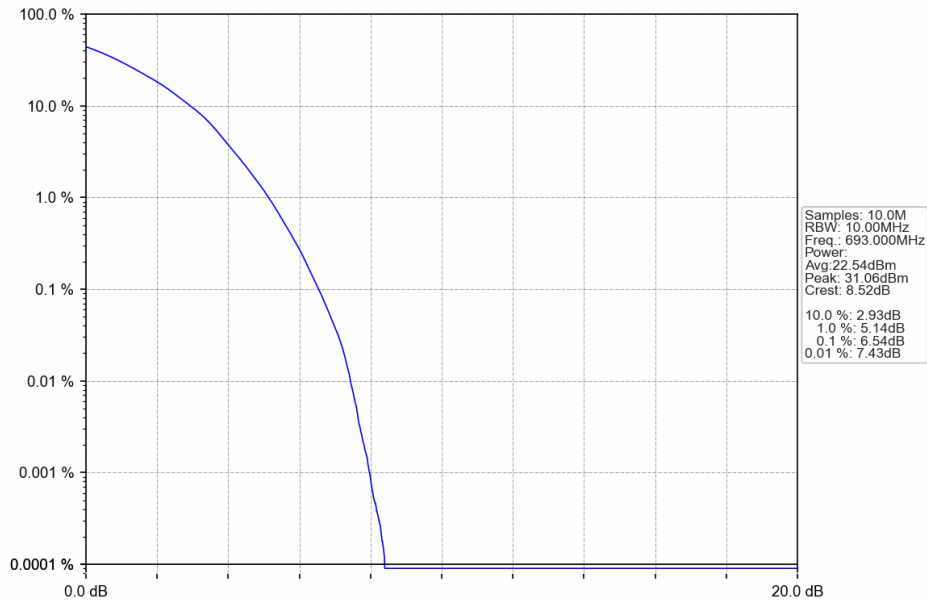
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Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



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3.3 B71_15MHz

3.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.44	<=13	Pass
	680.5	75	0	5.41	<=13	Pass
	690.5	75	0	5.48	<=13	Pass
16QAM	670.5	75	0	6.12	<=13	Pass
	680.5	75	0	6.08	<=13	Pass
	690.5	75	0	6.09	<=13	Pass
64QAM	670.5	75	0	6.55	<=13	Pass
	680.5	75	0	6.58	<=13	Pass
	690.5	75	0	6.59	<=13	Pass



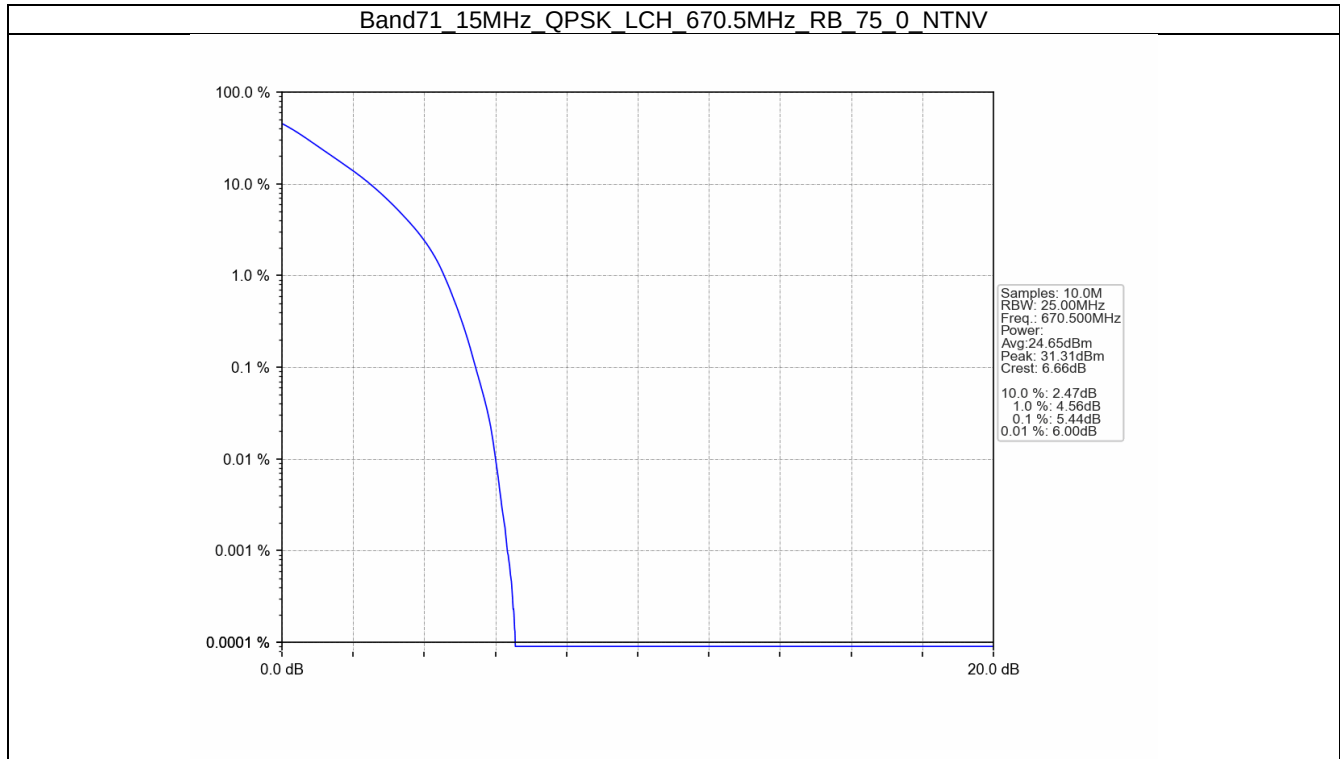
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3.3.2 Test Graph



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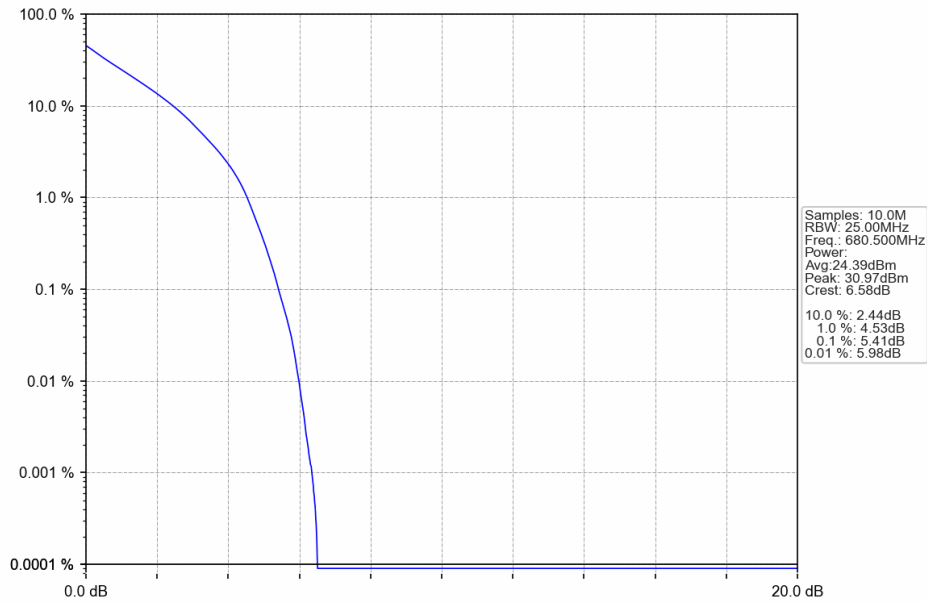
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Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



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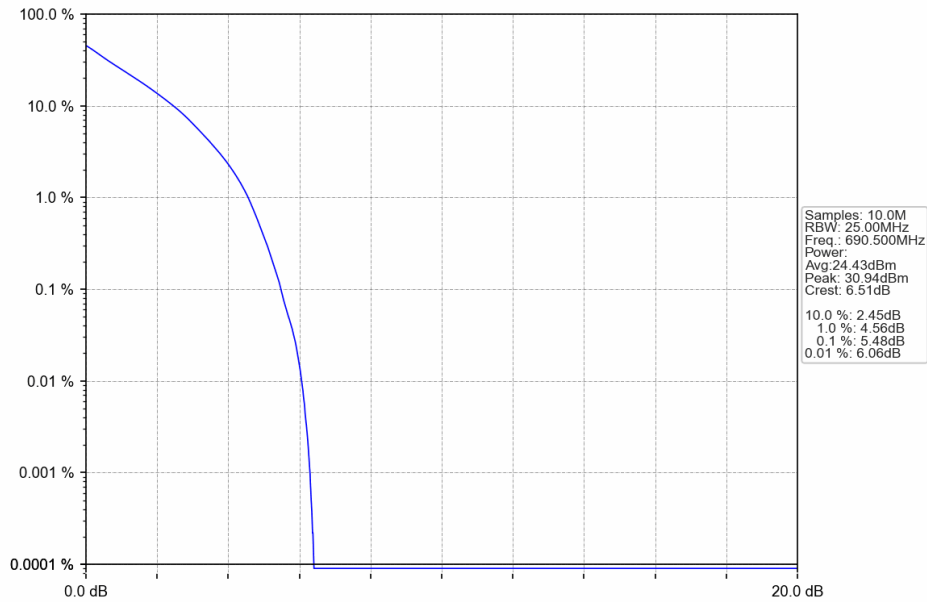
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Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



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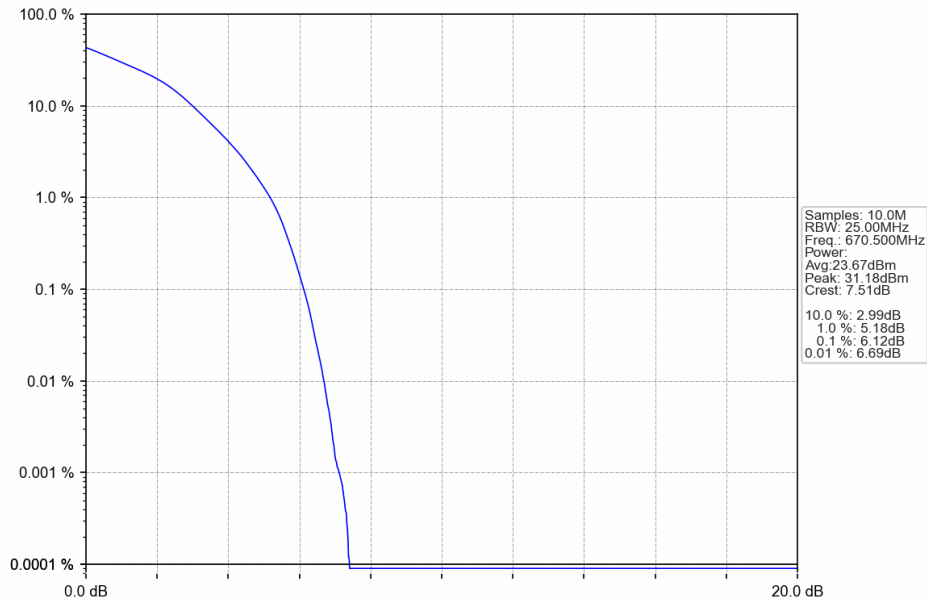
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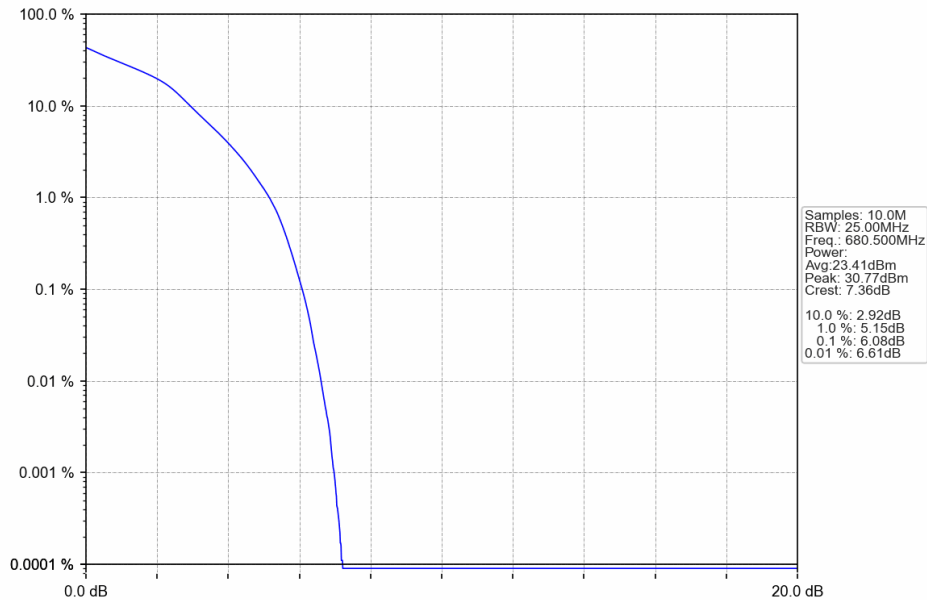
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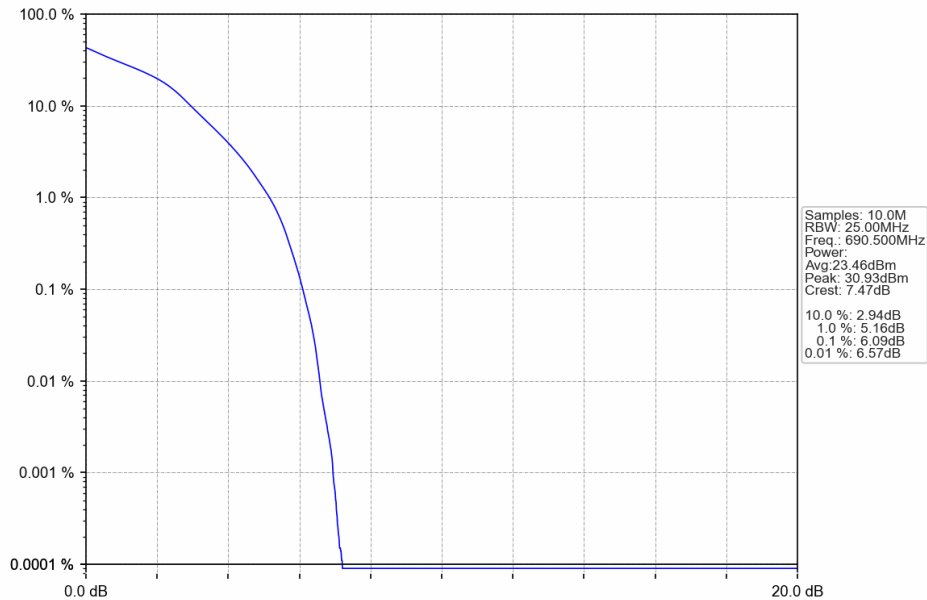
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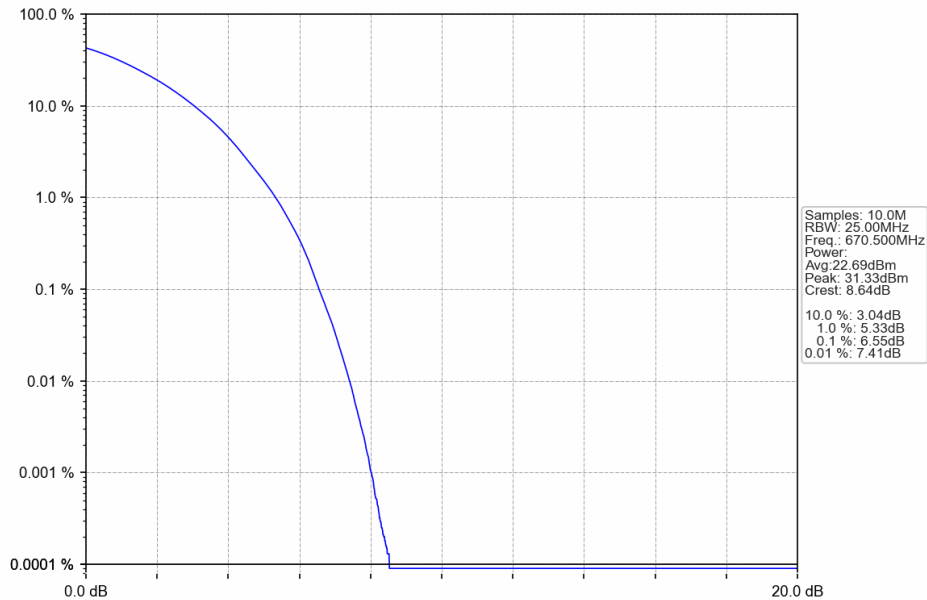
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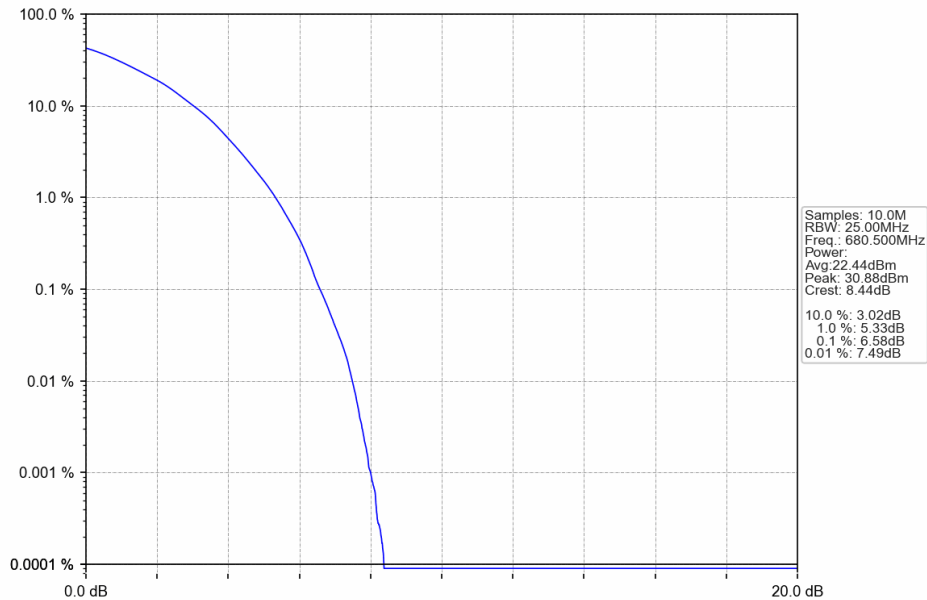
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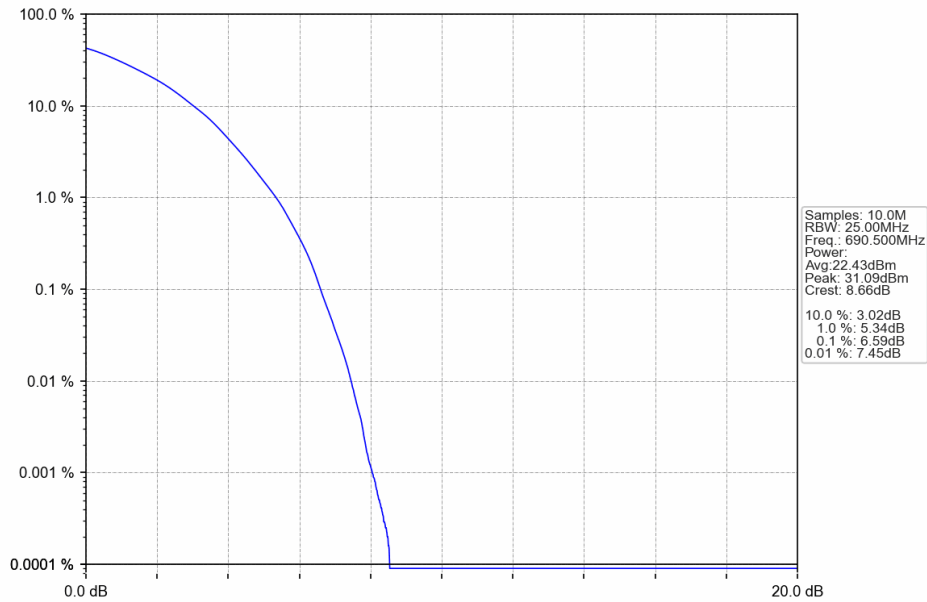
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3.4 B71_20MHz

3.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.14	<=13	Pass
	683	100	0	5.19	<=13	Pass
	688	100	0	5.21	<=13	Pass
16QAM	673	100	0	5.96	<=13	Pass
	683	100	0	5.97	<=13	Pass
	688	100	0	5.99	<=13	Pass
64QAM	673	100	0	6.55	<=13	Pass
	683	100	0	6.56	<=13	Pass
	688	100	0	6.53	<=13	Pass

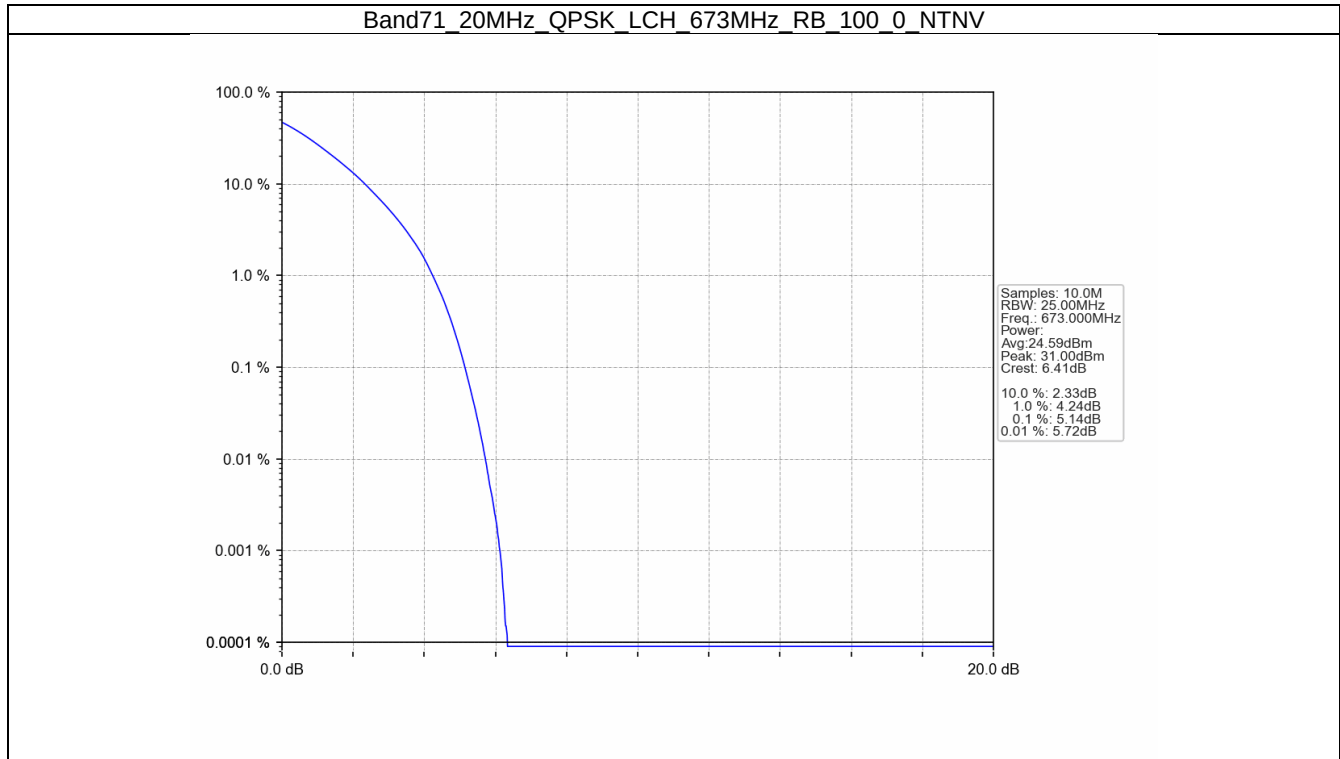


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3.4.2 Test Graph



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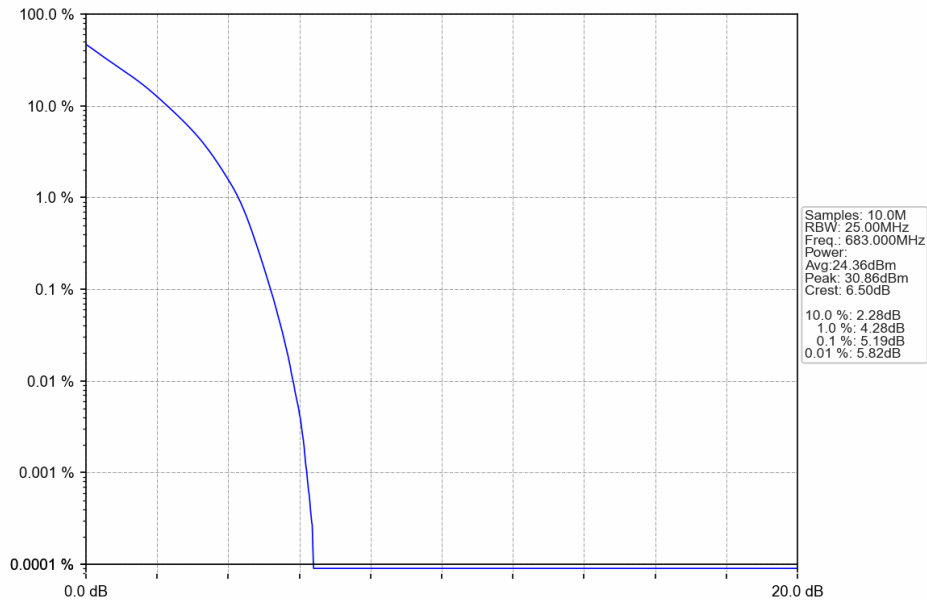
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Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



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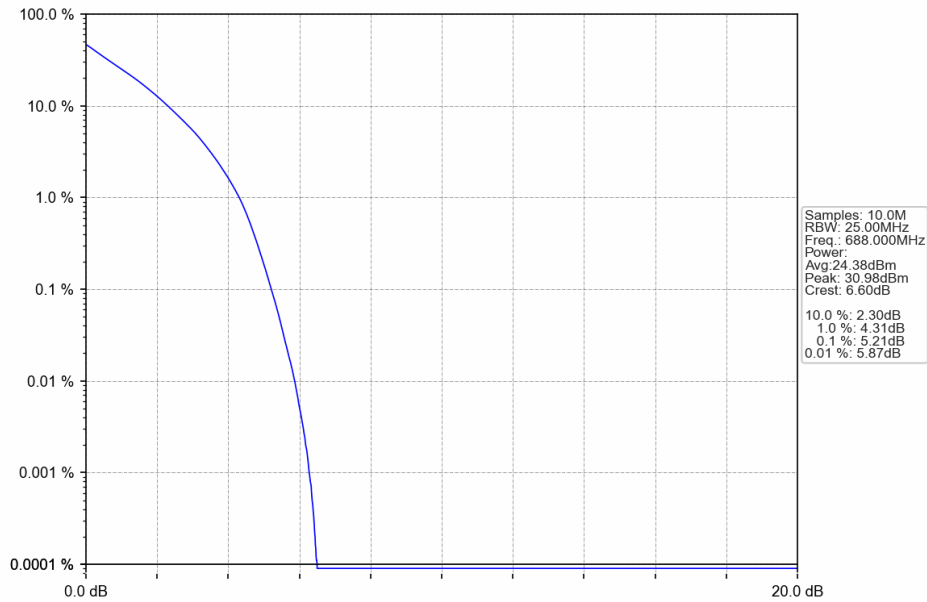
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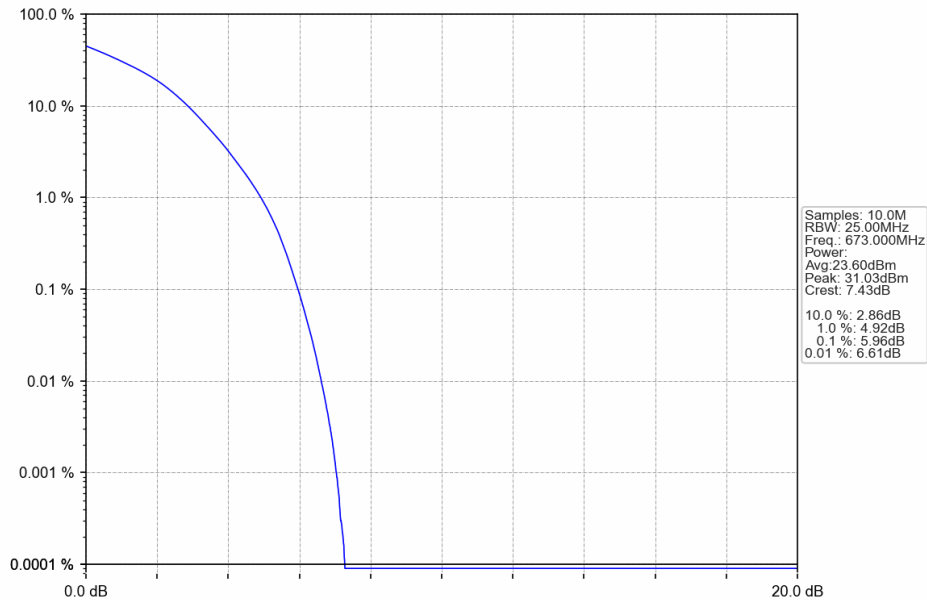
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Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTN



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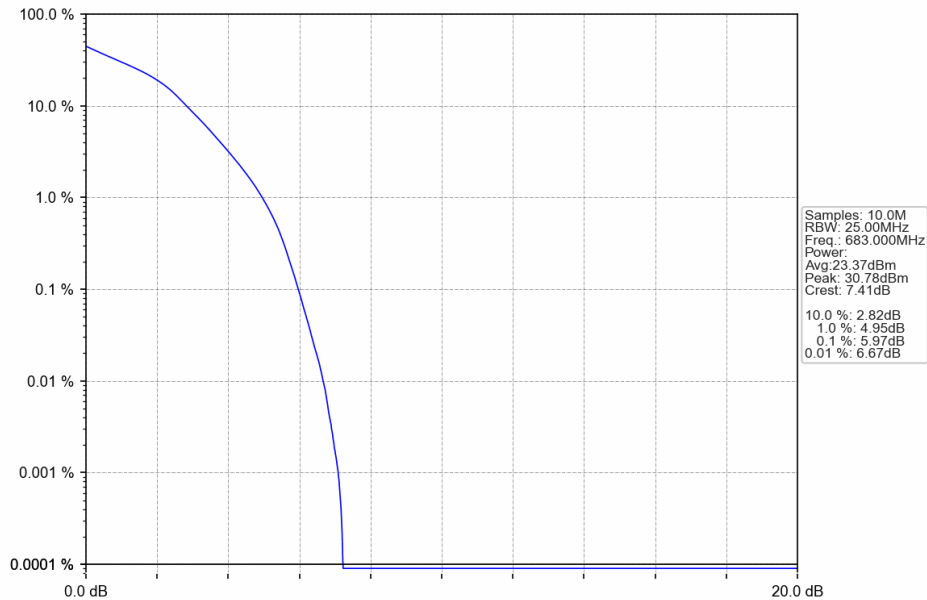
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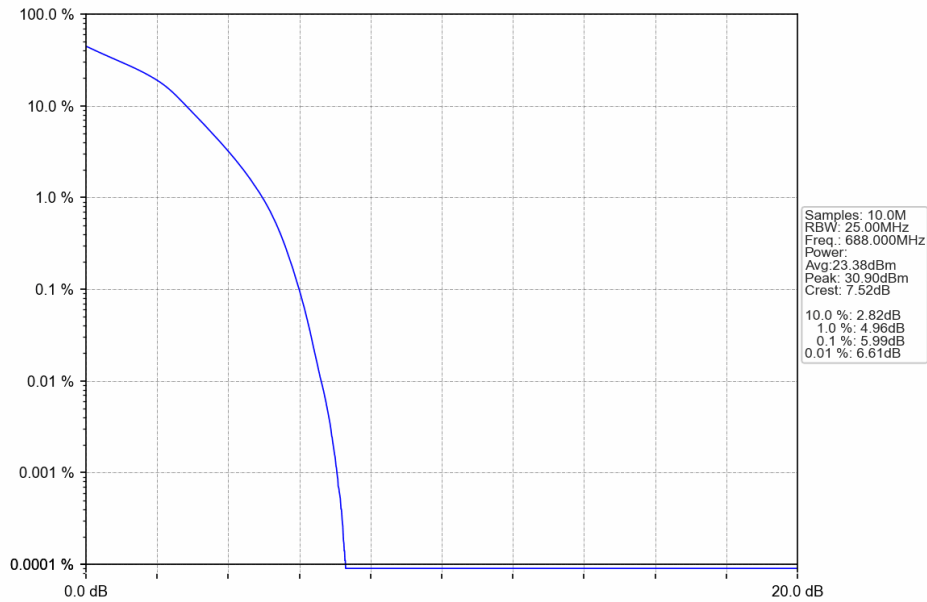
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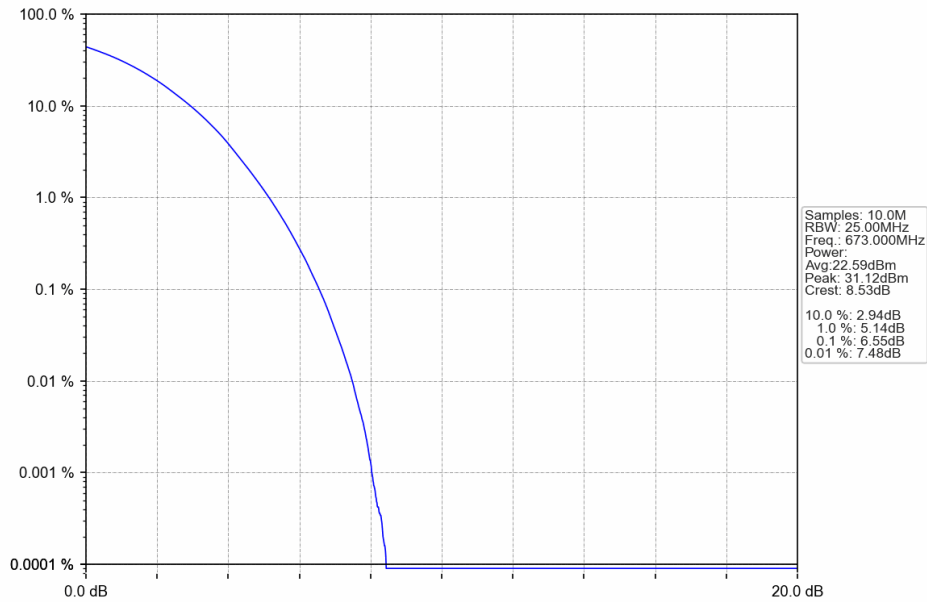
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Band71 20MHz 64QAM LCH 673MHz RB 100 0 NTN



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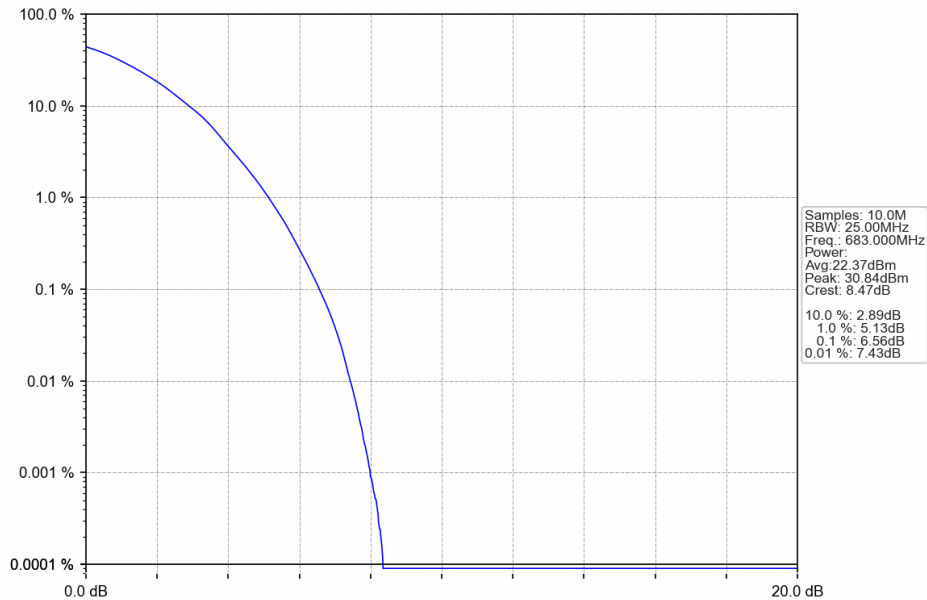
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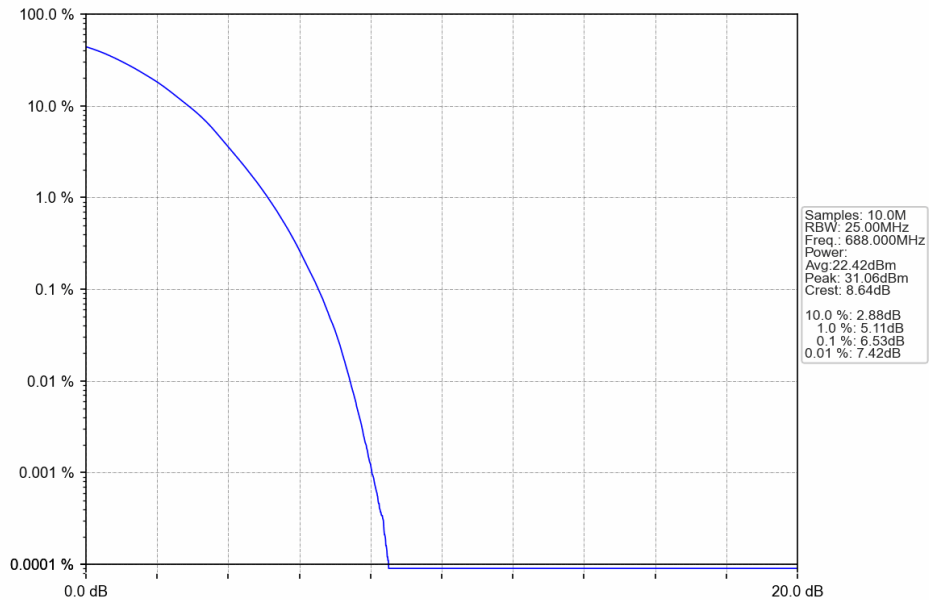
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Band71 20MHz 64QAM HCH 688MHz RB 100 0 NTNV



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4. Spurious Emission & Band Edges

4.1 B71_5MHz

4.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

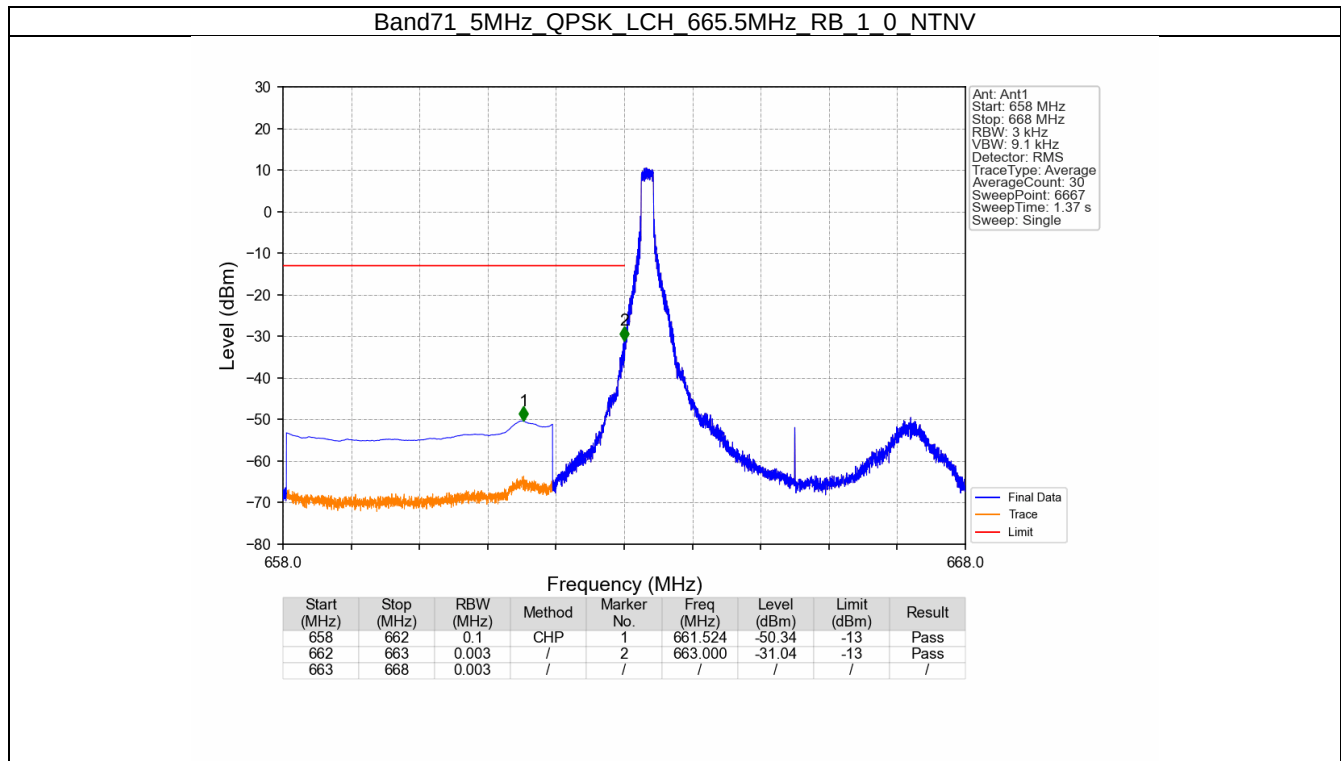


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4.1.2 Test Graph



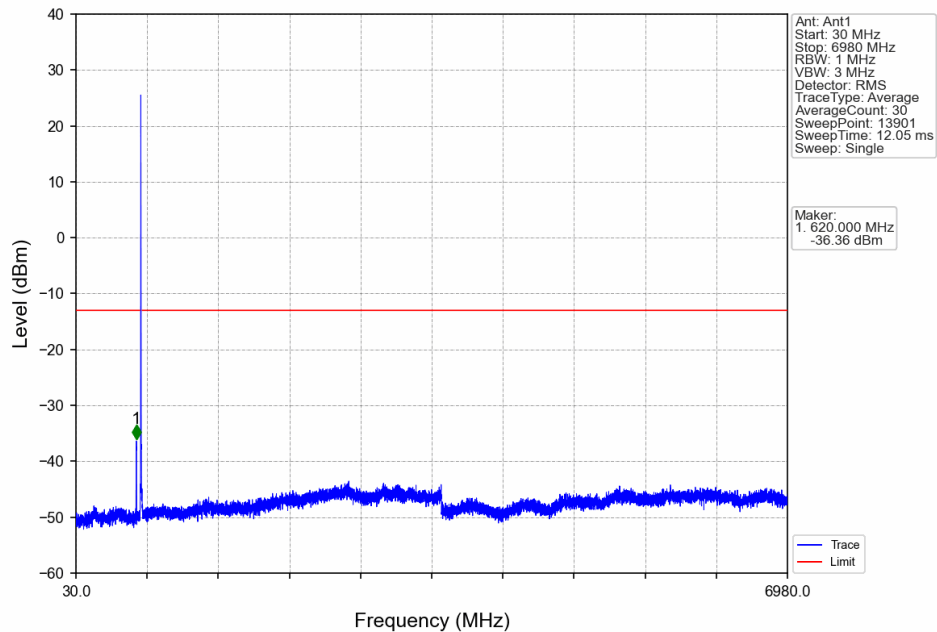
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Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV



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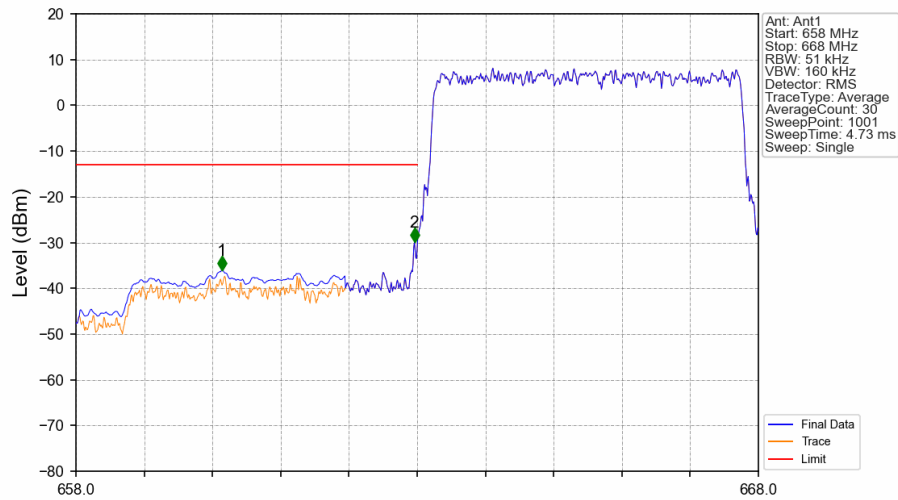
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Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	660.140	-36.05	-13	Pass
662	663	0.051	/	2	662.960	-29.95	-13	Pass
663	668	0.051	/	/	/	/	/	/



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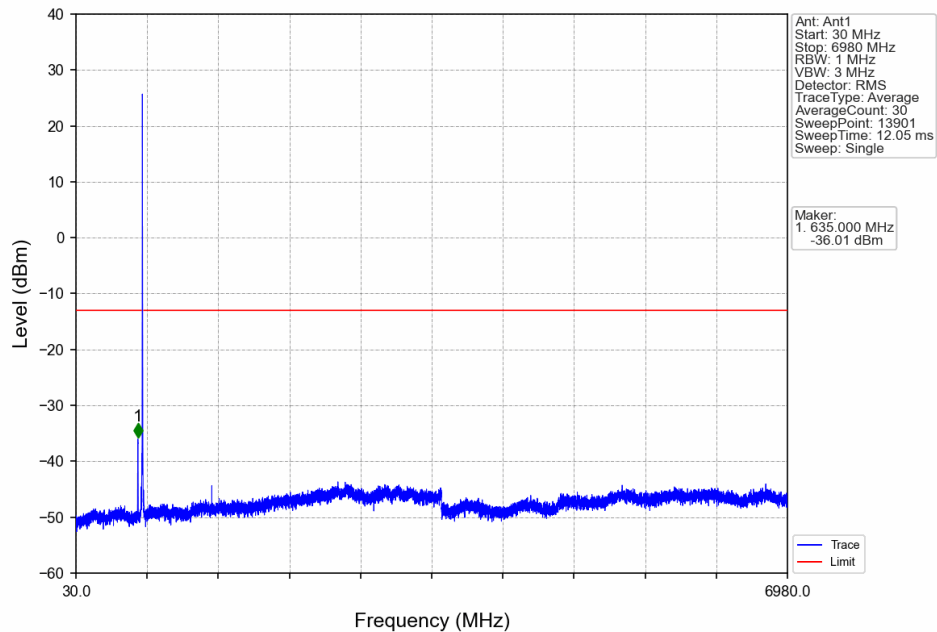
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Band71 5MHz_QPSK_MCH 680.5MHz_RB_1_0 NTN



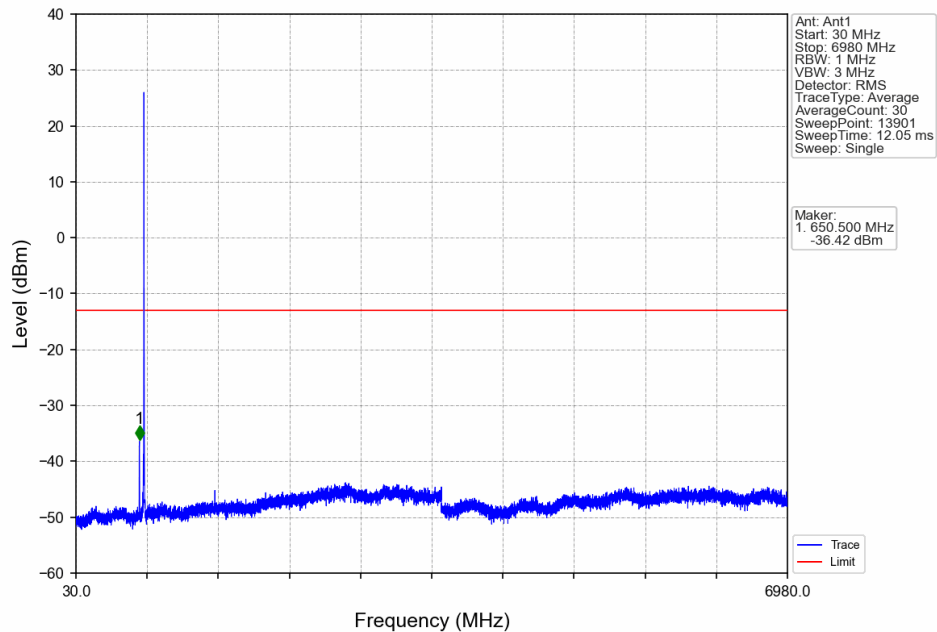
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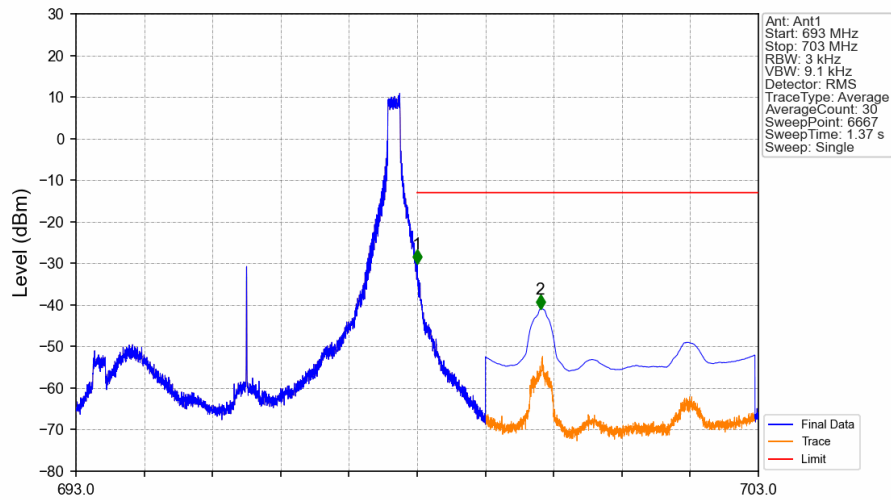
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Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-30.11	-13	Pass
699	703	0.1	CHP	2	699.805	-40.95	-13	Pass



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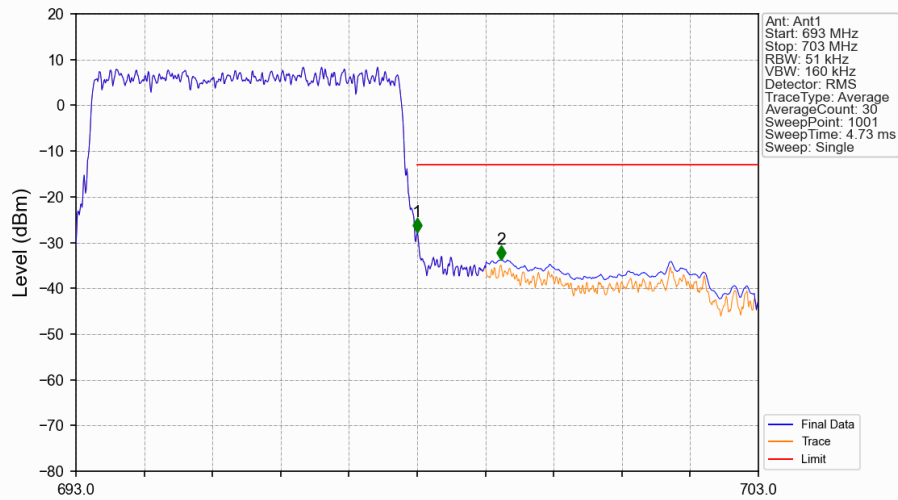
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Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.000	-27.73	-13	Pass
699	703	0.1	CHP	2	699.230	-33.71	-13	Pass



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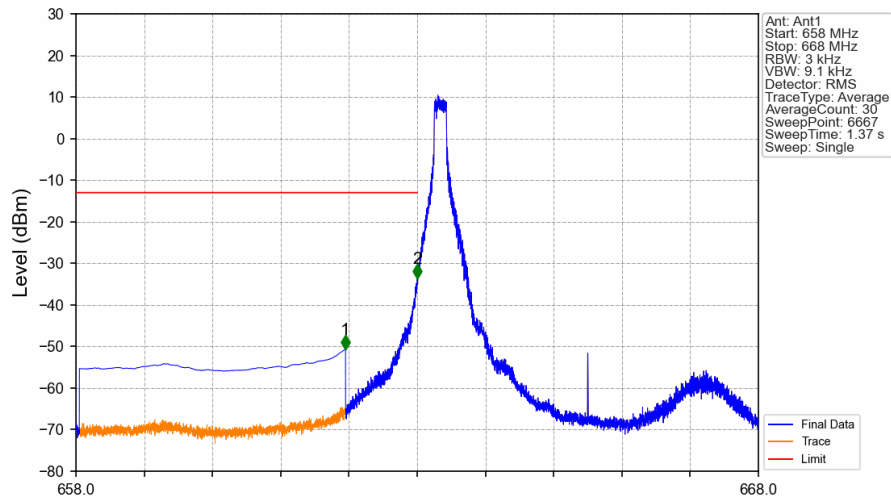
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Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.948	-50.69	-13	Pass
662	663	0.003	/	2	663.000	-33.65	-13	Pass
663	668	0.003	/	/	/	/	/	/



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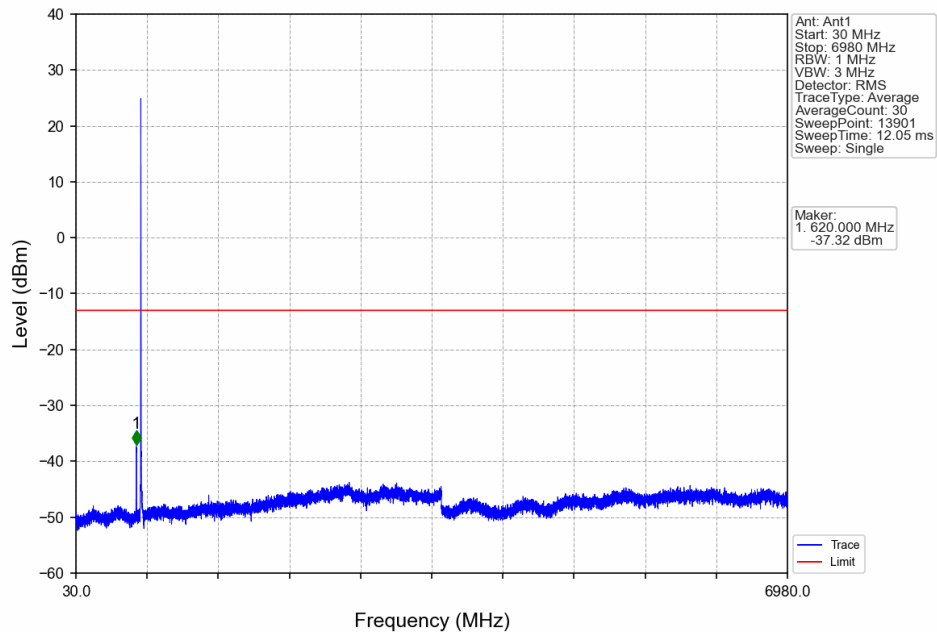
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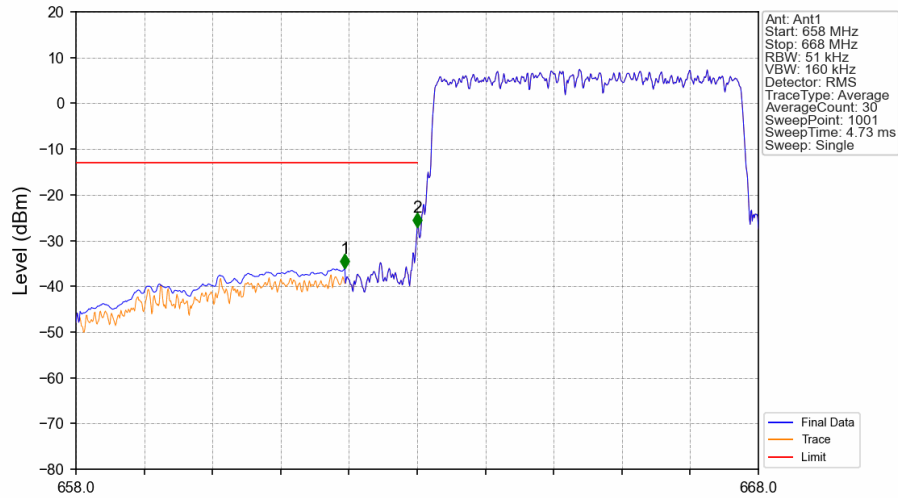
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-36.04	-13	Pass
662	663	0.051	/	2	663.000	-27.08	-13	Pass
663	668	0.051	/	/	/	/	/	/



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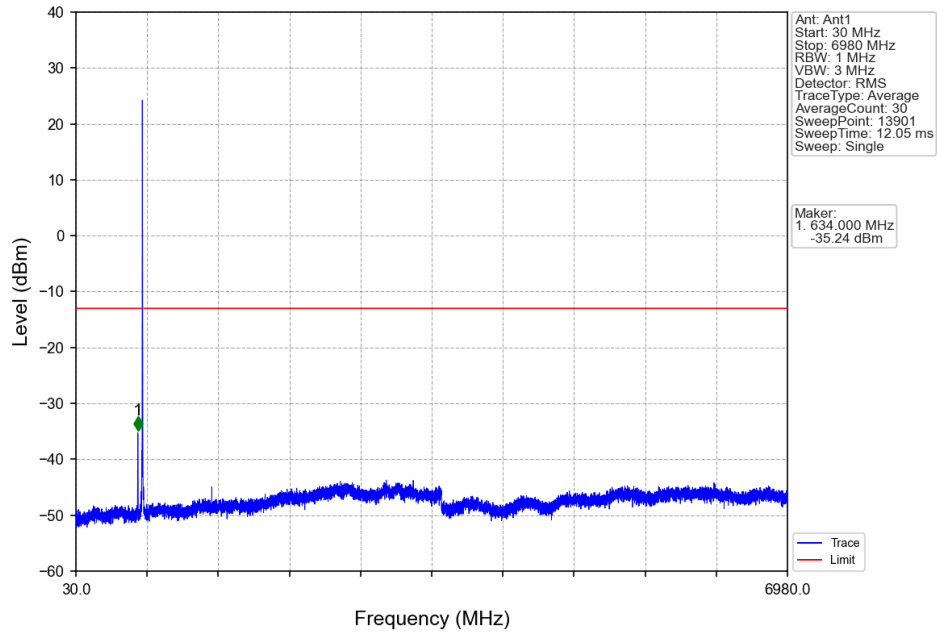
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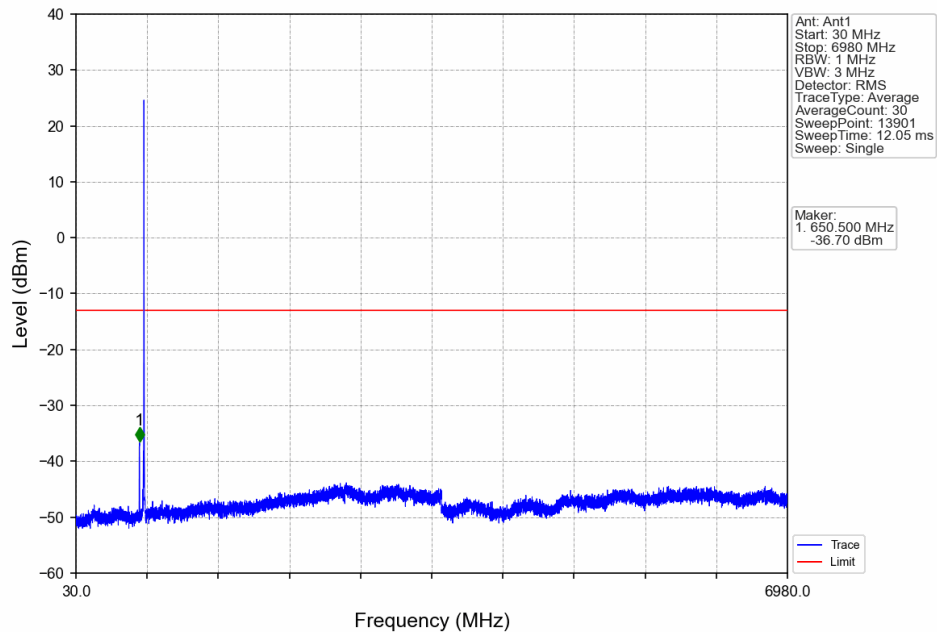
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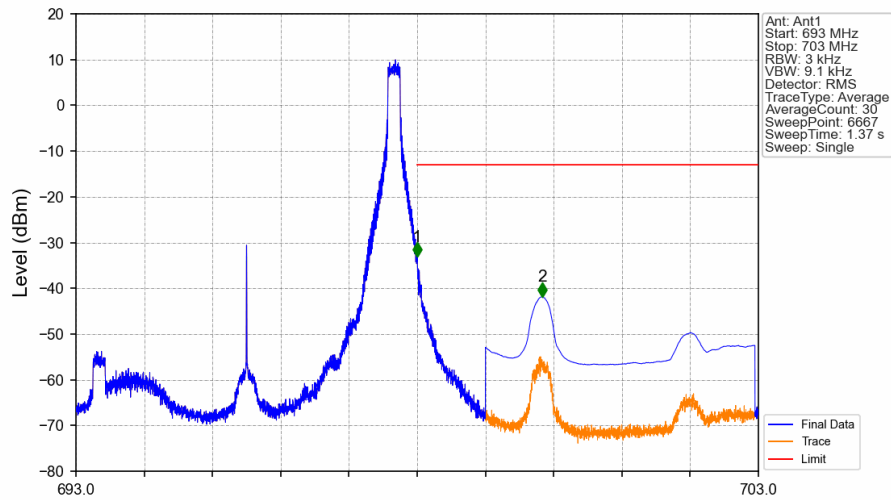
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-33.13	-13	Pass
699	703	0.1	CHP	2	699.829	-41.83	-13	Pass



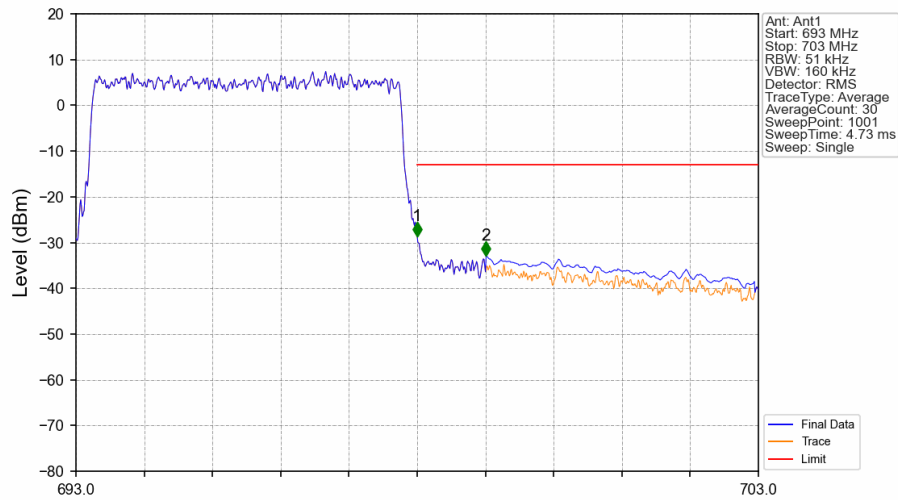
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.000	-28.61	-13	Pass
699	703	0.1	CHP	2	699.010	-32.83	-13	Pass



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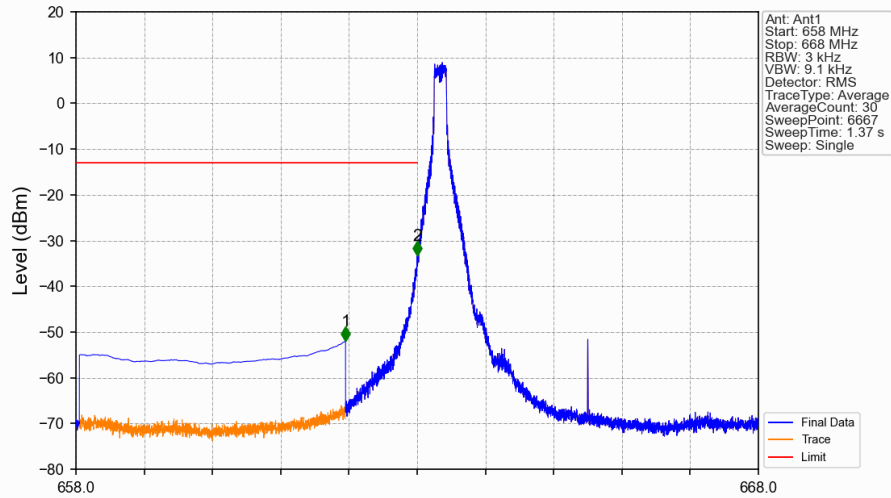
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.950	-51.96	-13	Pass
662	663	0.003	/	2	662.999	-33.33	-13	Pass
663	668	0.003	/	/	/	/	/	/



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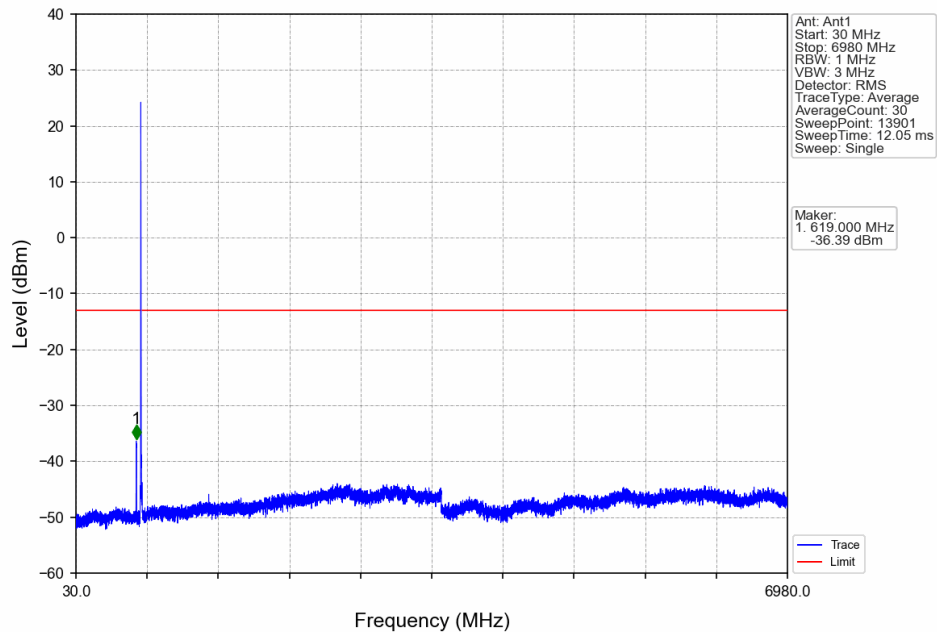
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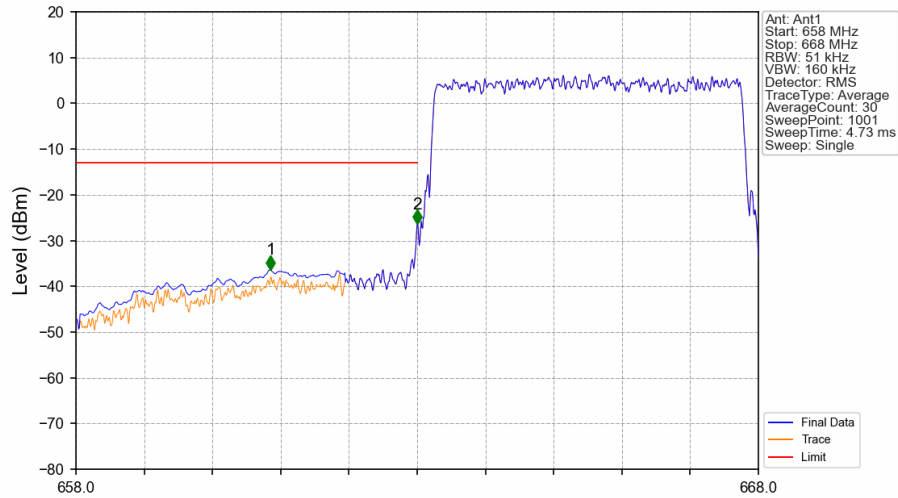
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	660.850	-36.37	-13	Pass
662	663	0.051	/	2	663.000	-26.38	-13	Pass
663	668	0.051	/	/	/	/	/	/



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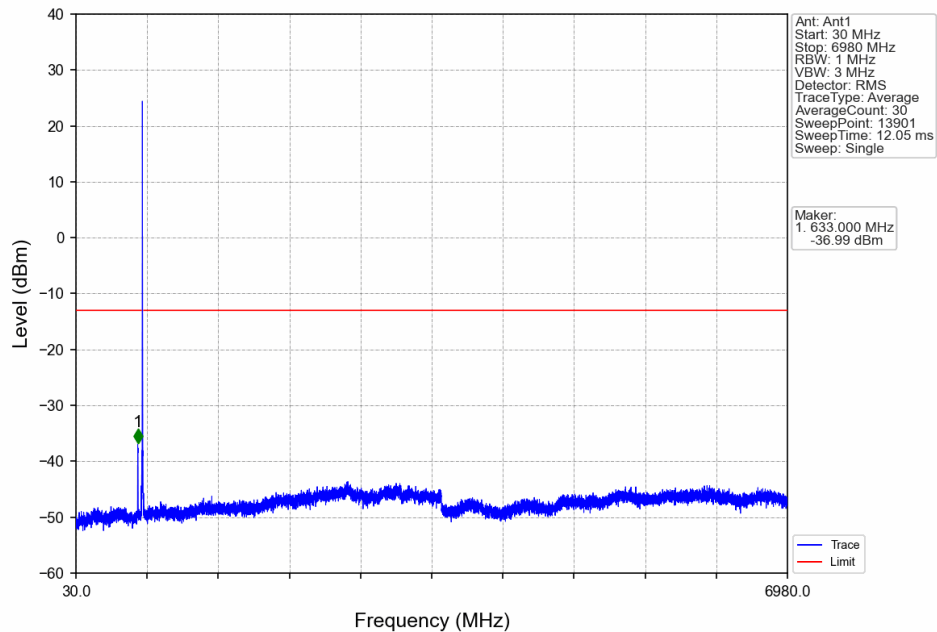
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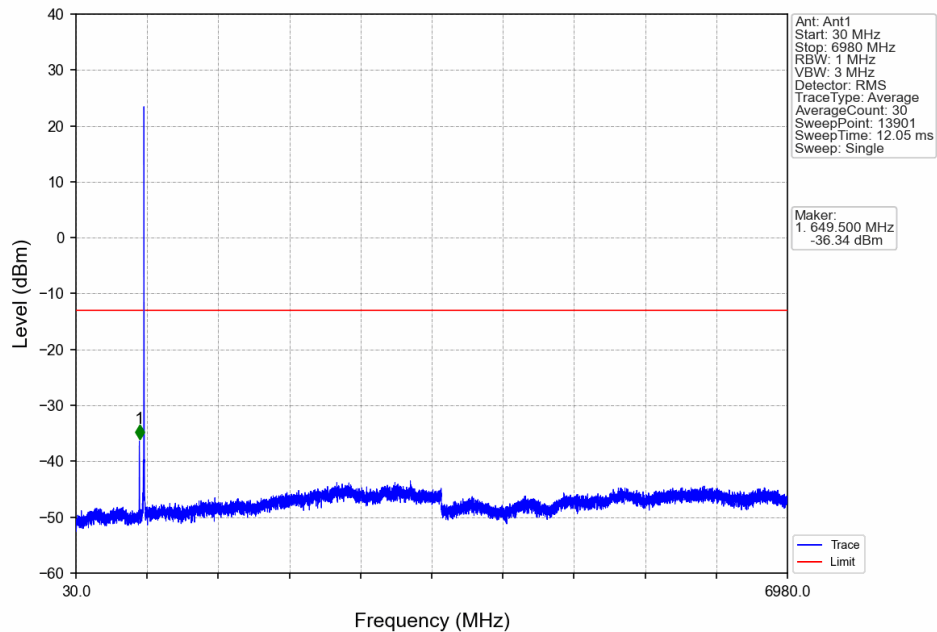
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Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_0_NTNV



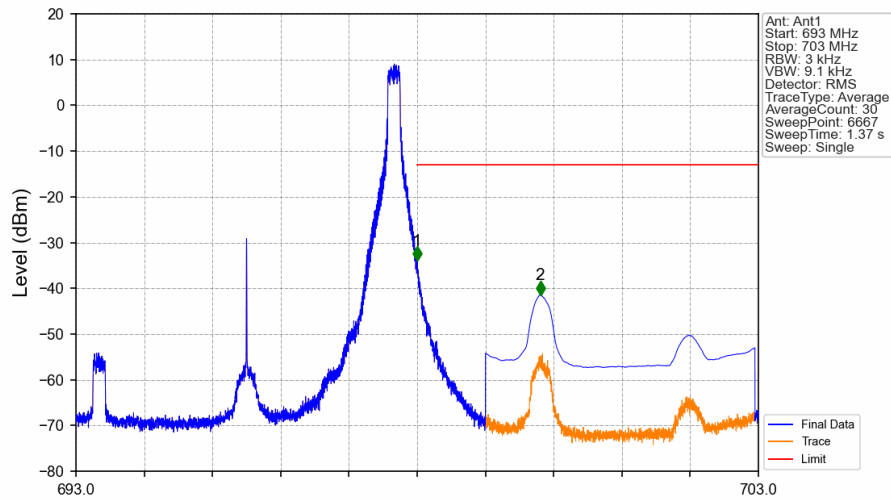
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Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-33.94	-13	Pass
699	703	0.1	CHP	2	699.805	-41.47	-13	Pass



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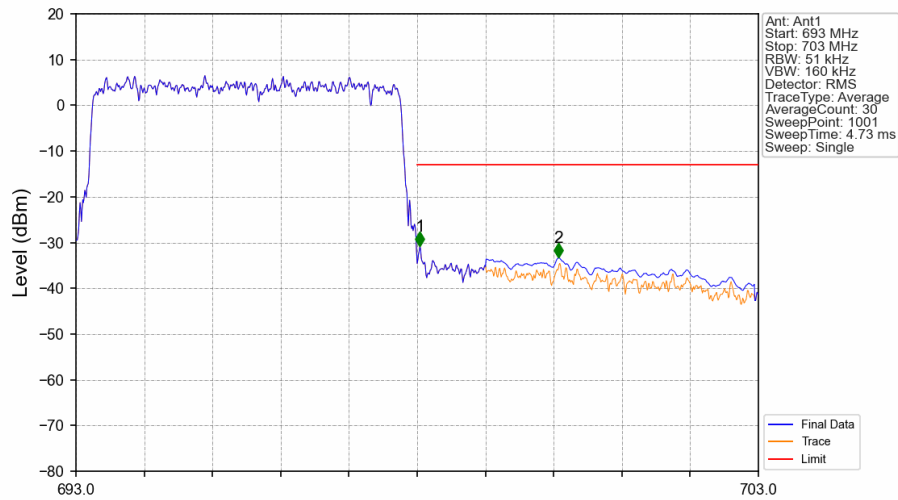
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.040	-30.77	-13	Pass
699	703	0.1	CHP	2	700.070	-33.28	-13	Pass



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4.2 B71_10MHz

4.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	693	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	693	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	693	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

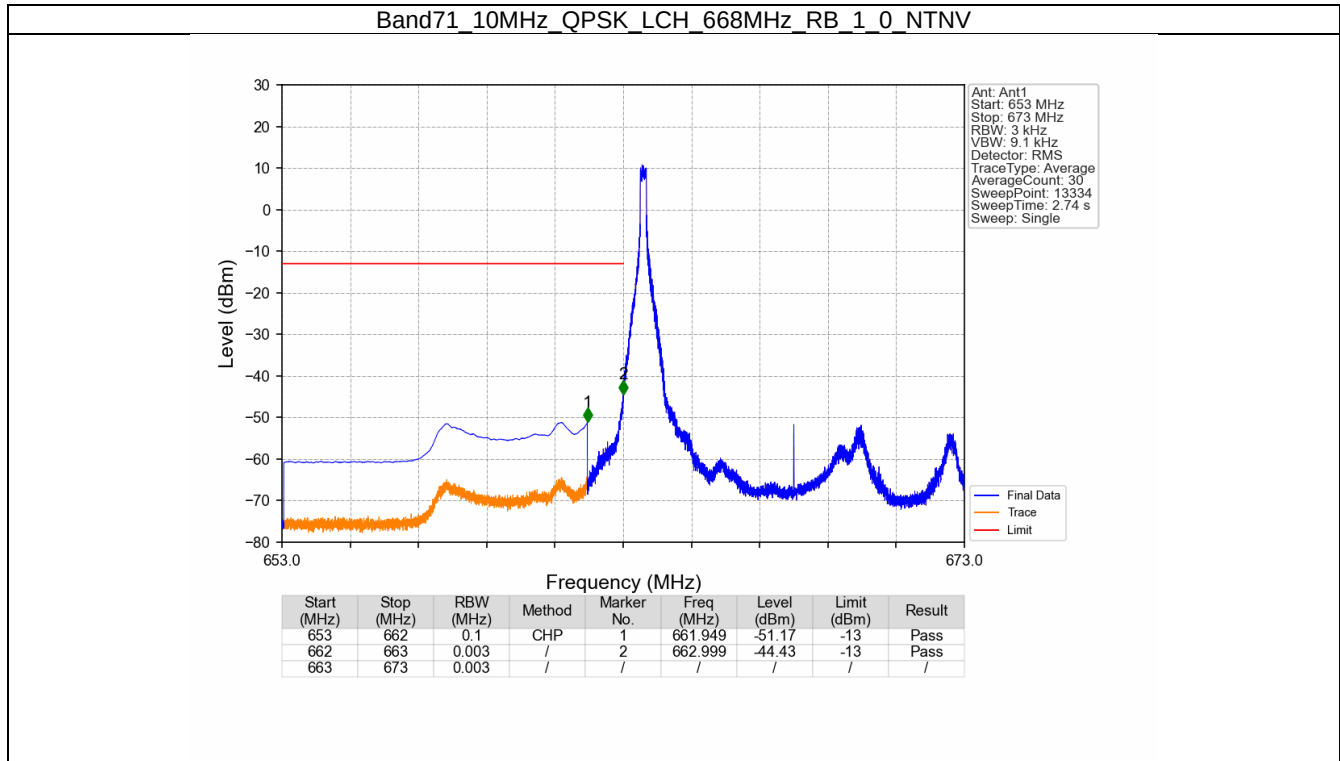


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4.2.2 Test Graph



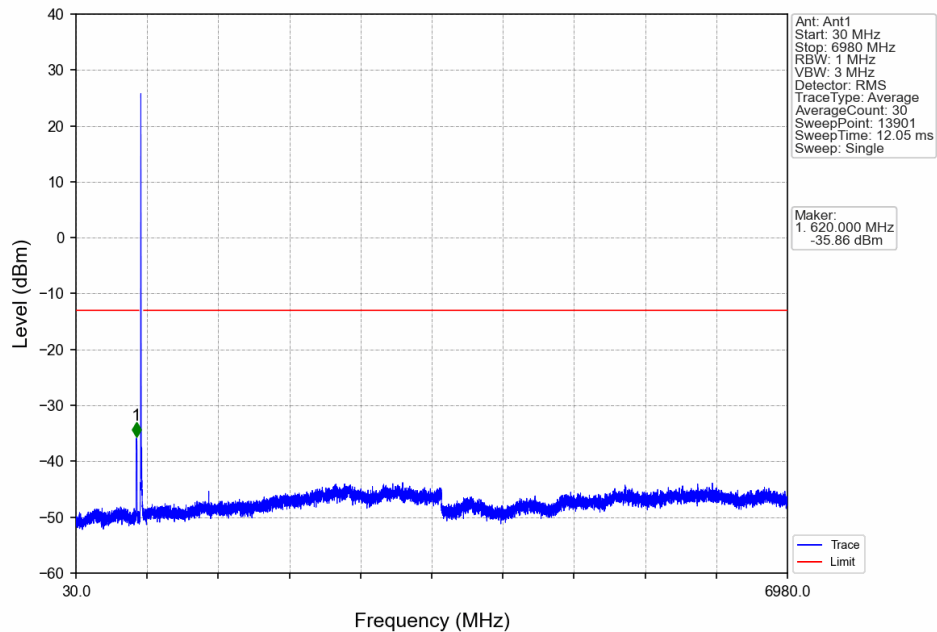
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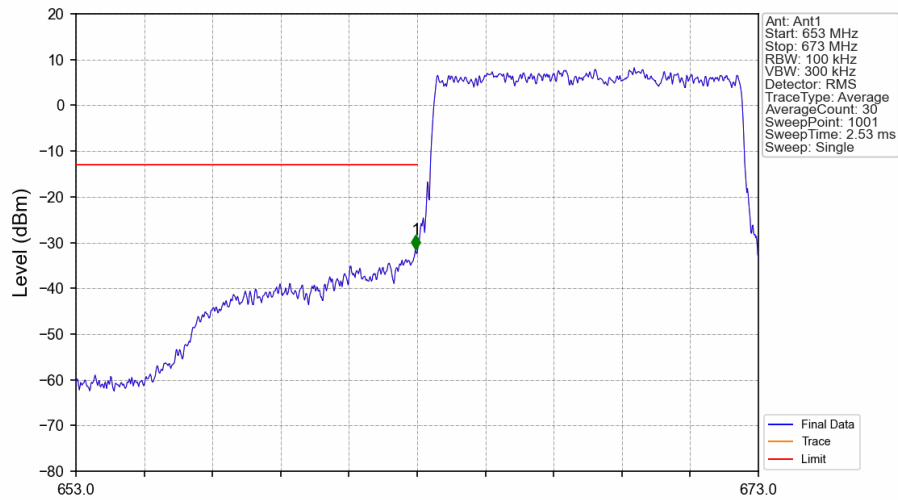
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.960	-31.50	-13	Pass
663	673	0.1	/	/	/	/	/	/



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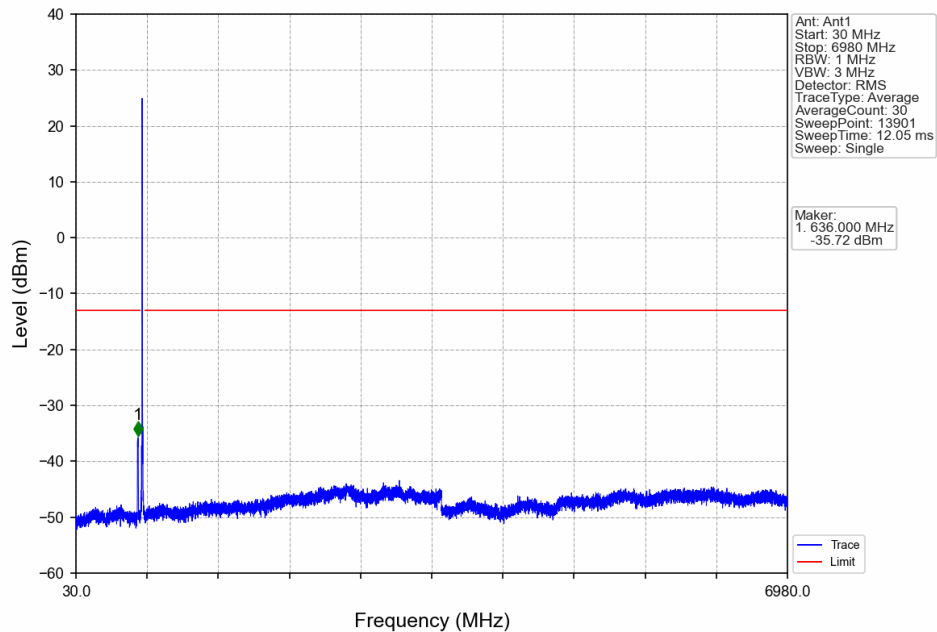
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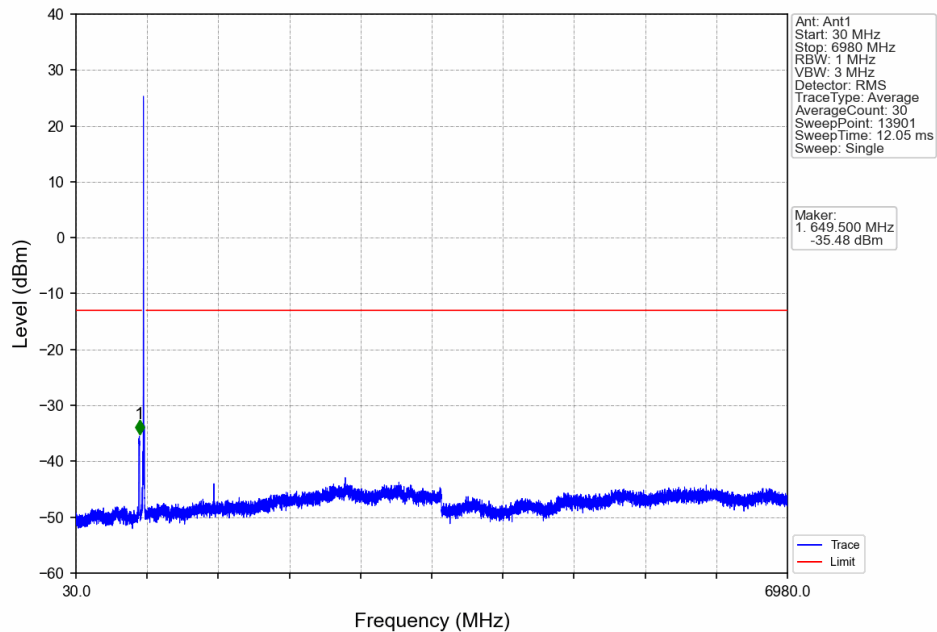
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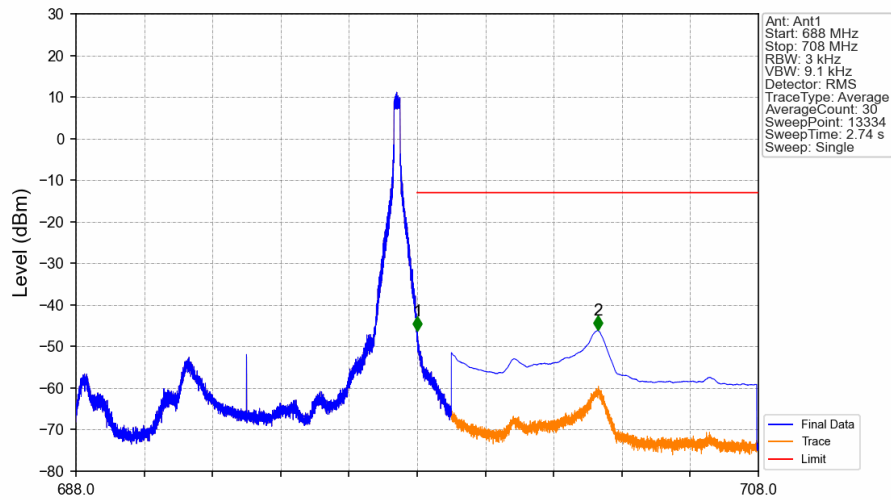
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	1	698.002	-46.33	-13	Pass
698	708	0.1	CHP	2	703.293	-46.12	-13	Pass



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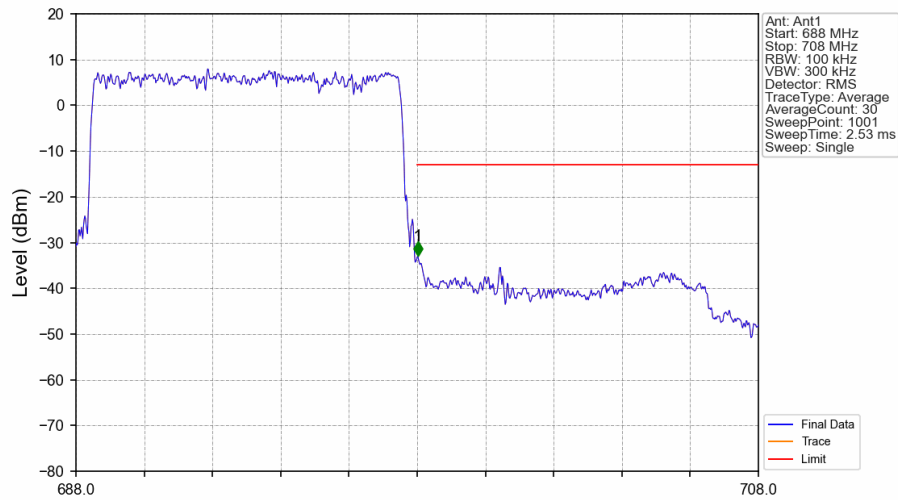
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Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.020	-32.95	-13	Pass



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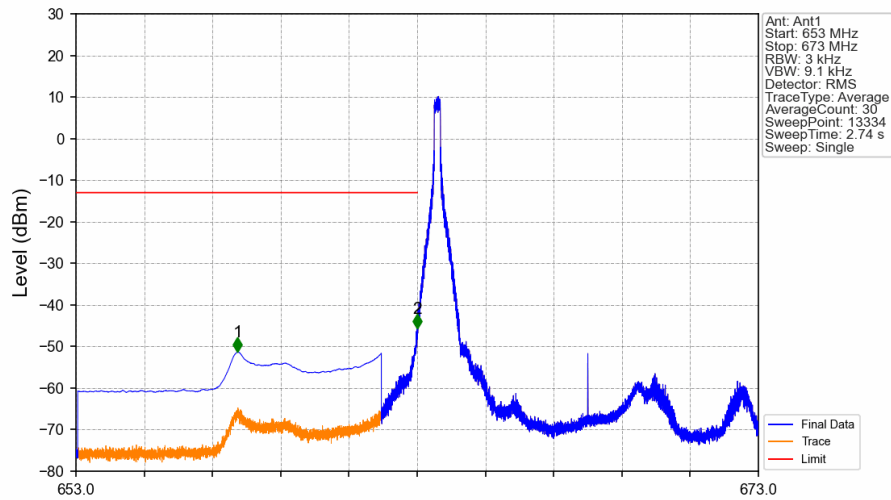
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Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	657.734	-51.36	-13	Pass
662	663	0.003	/	2	662.996	-45.63	-13	Pass
663	673	0.003	/	/	/	/	/	/



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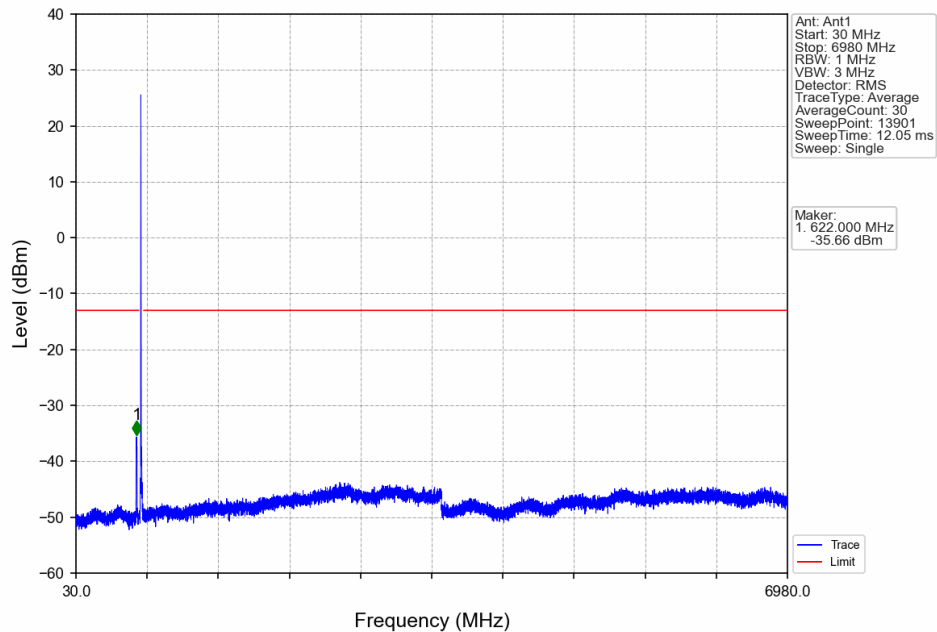
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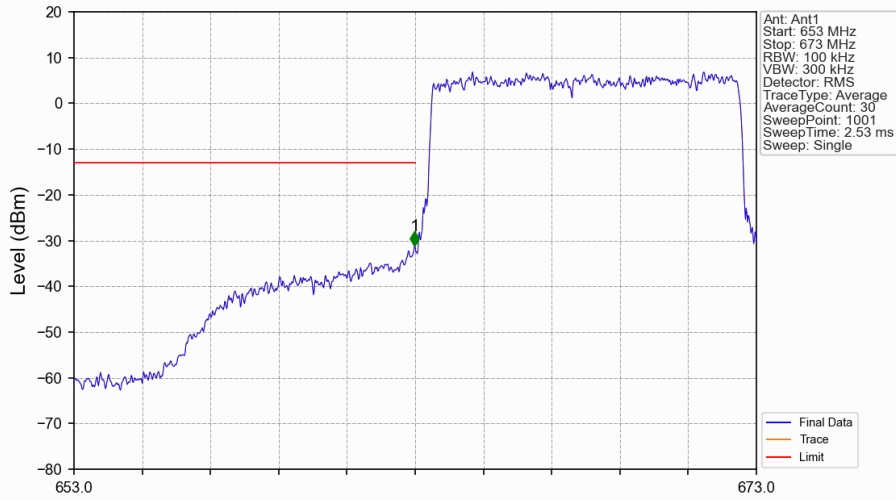
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Band71_10MHz_16QAM LCH_668MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.980	-31.16	-13	Pass
663	673	0.1	/	/	/	/	/	/



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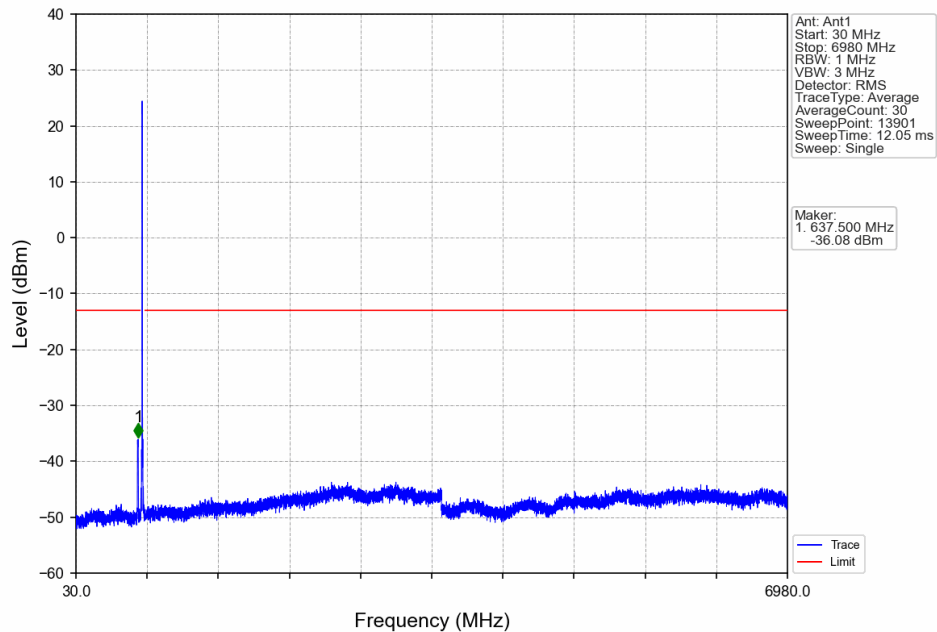
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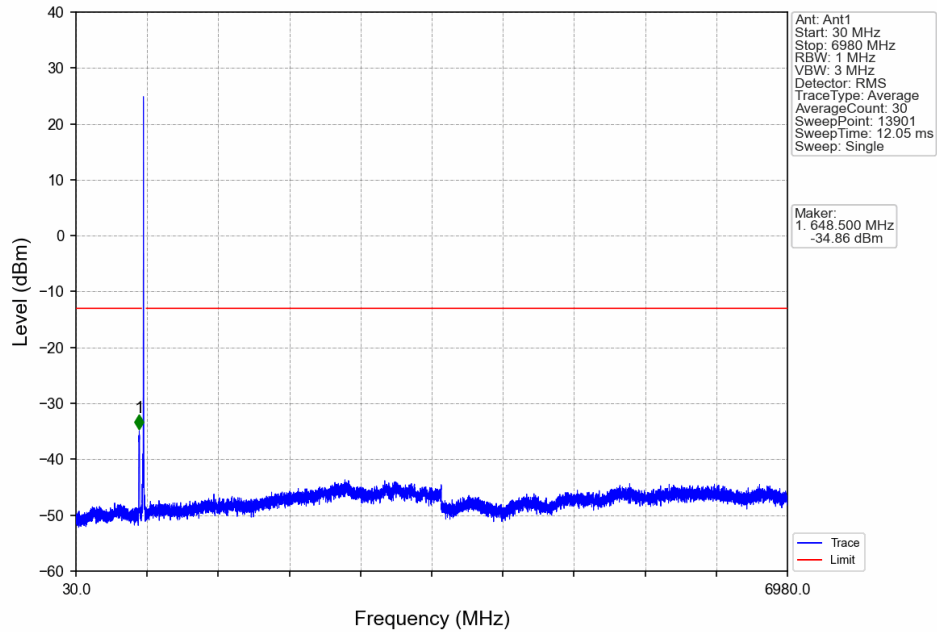
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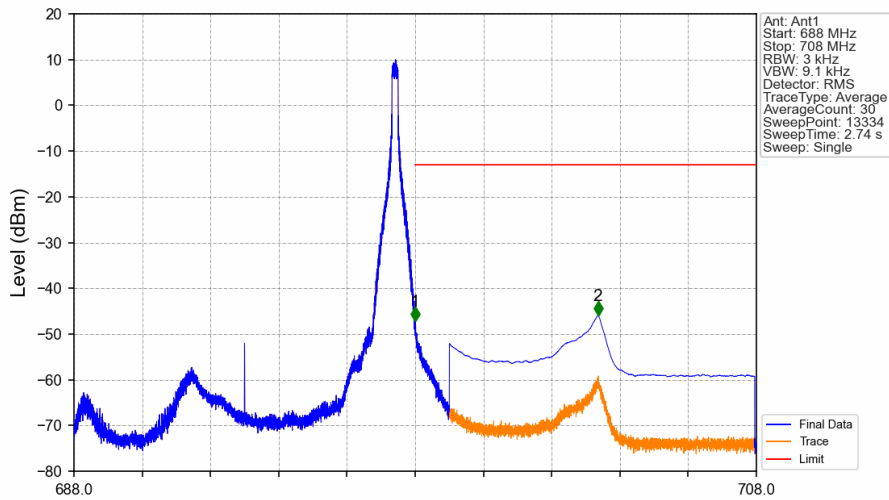


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Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	1	698.001	-47.23	-13	Pass
699	708	0.1	CHP	2	703.357	-46.00	-13	Pass



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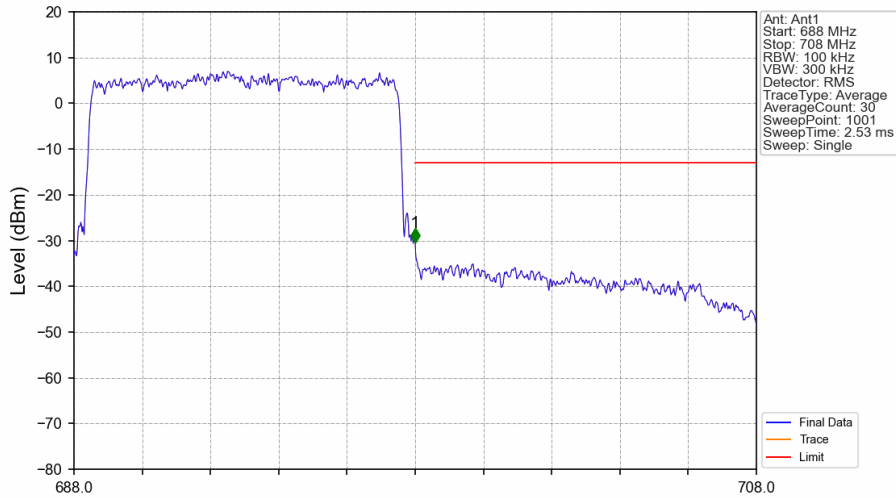
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Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.000	-30.43	-13	Pass



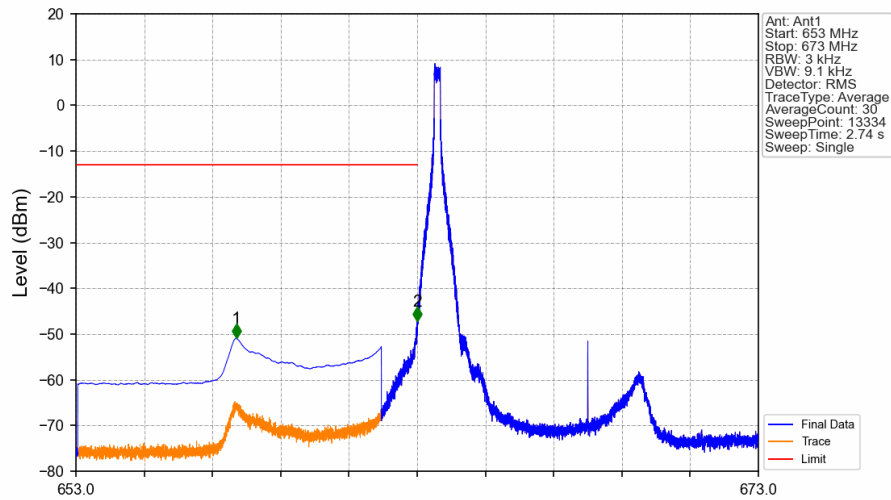
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Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	657.701	-50.97	-13	Pass
662	663	0.003	/	2	662.996	-47.15	-13	Pass
663	673	0.003	/	/	/	/	/	/



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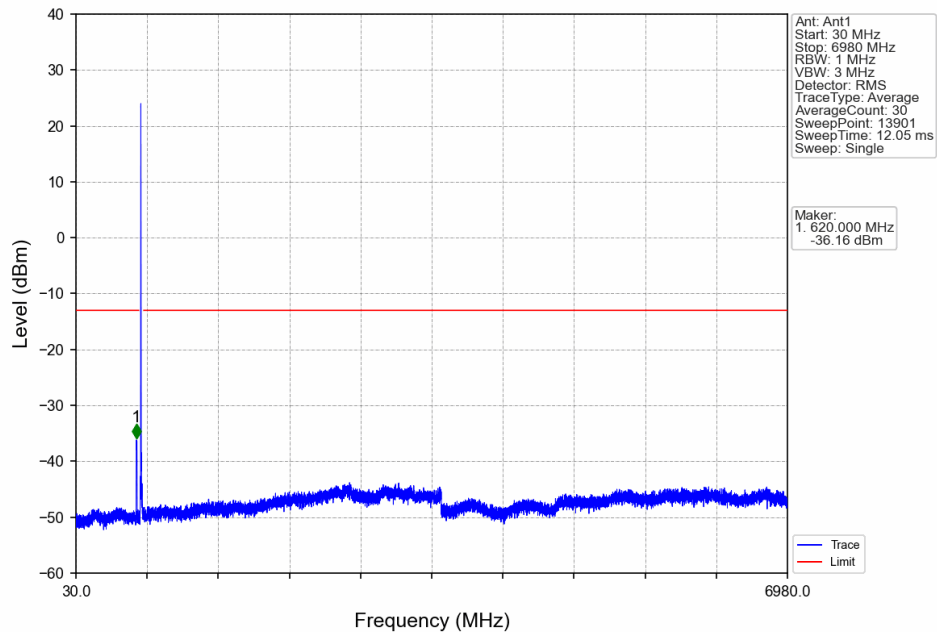
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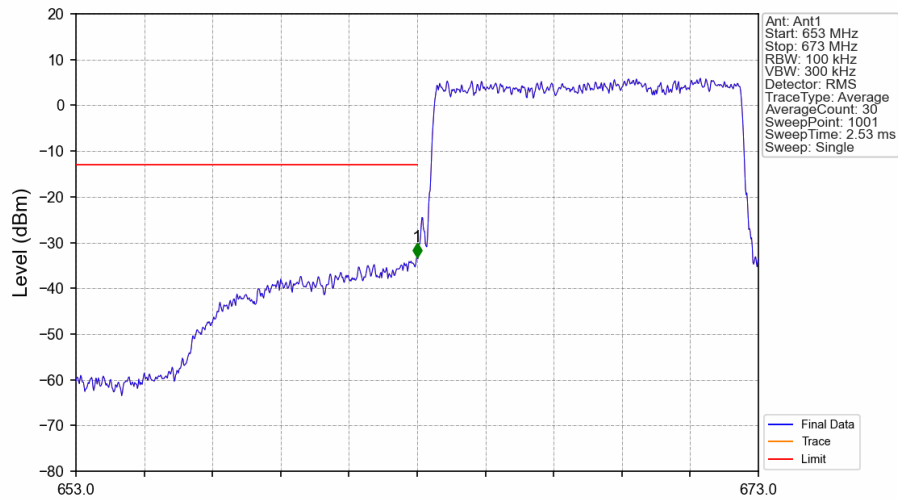
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	663.000	-33.17	-13	Pass
663	673	0.1	/	/	/	/	/	/



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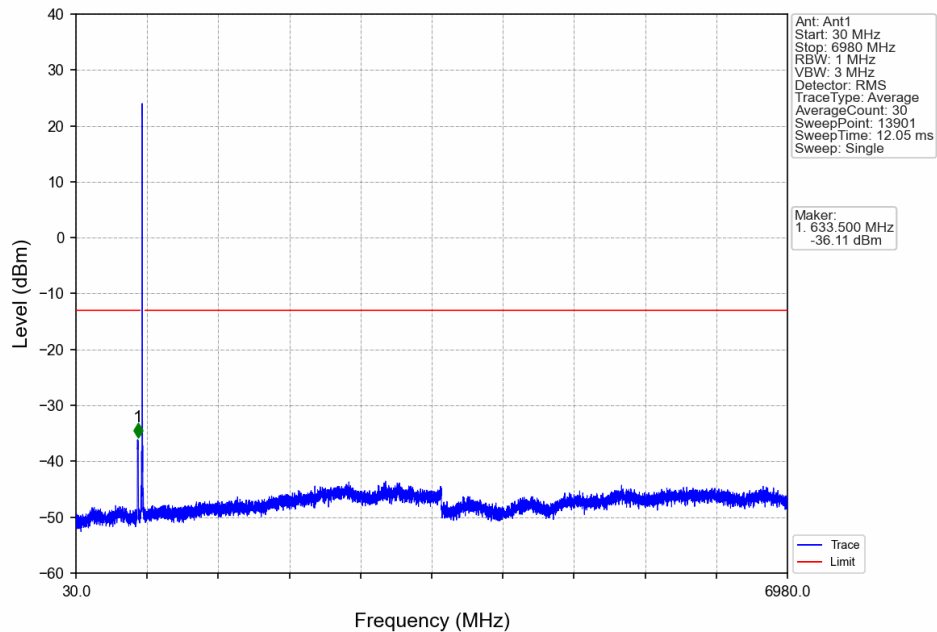
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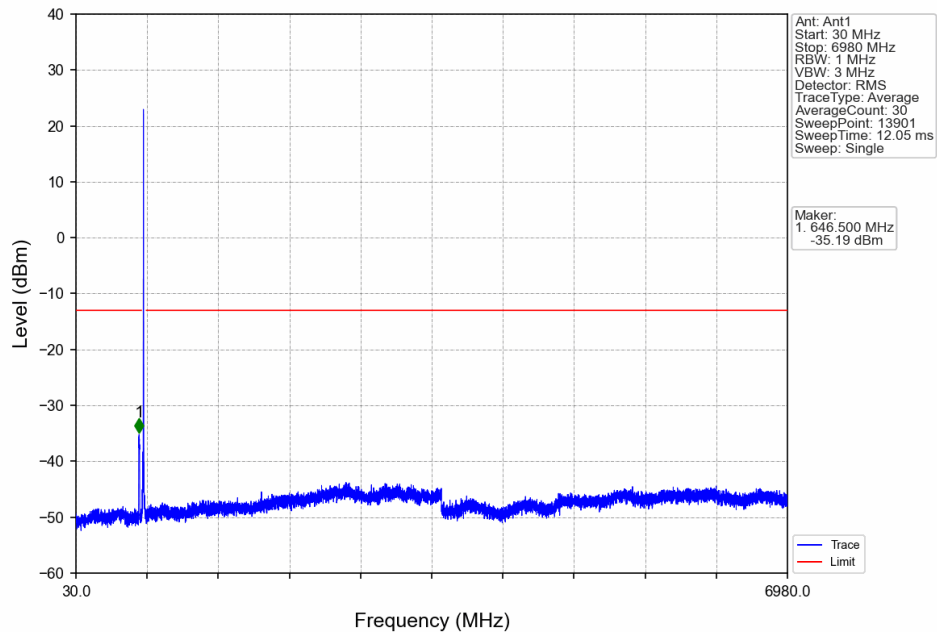
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Band71_10MHz_64QAM_HCH_693MHz_RB_1_0 NTN



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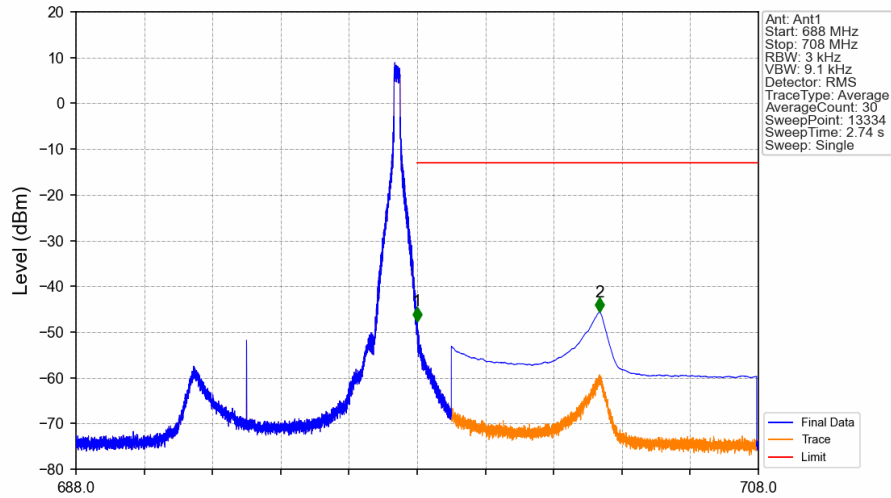
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Band71_10MHz 64QAM HCH 693MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	1	698.001	-47.65	-13	Pass
699	708	0.1	CHP	2	703.345	-45.66	-13	Pass



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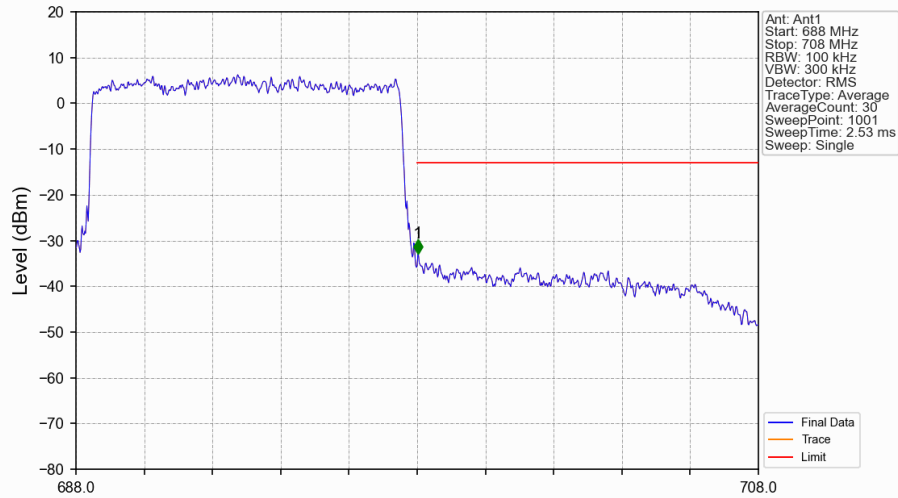
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Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.020	-32.83	-13	Pass



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4.3 B71_15MHz

4.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

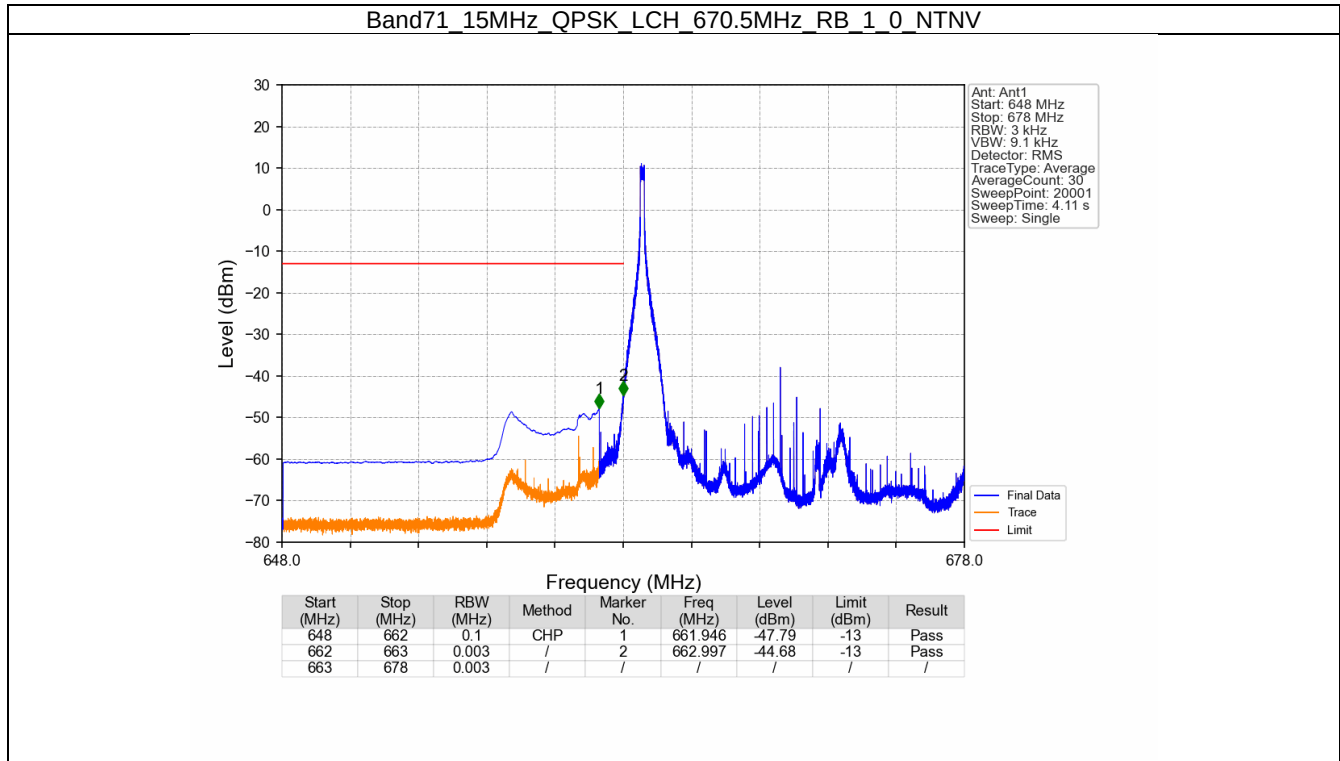


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4.3.2 Test Graph

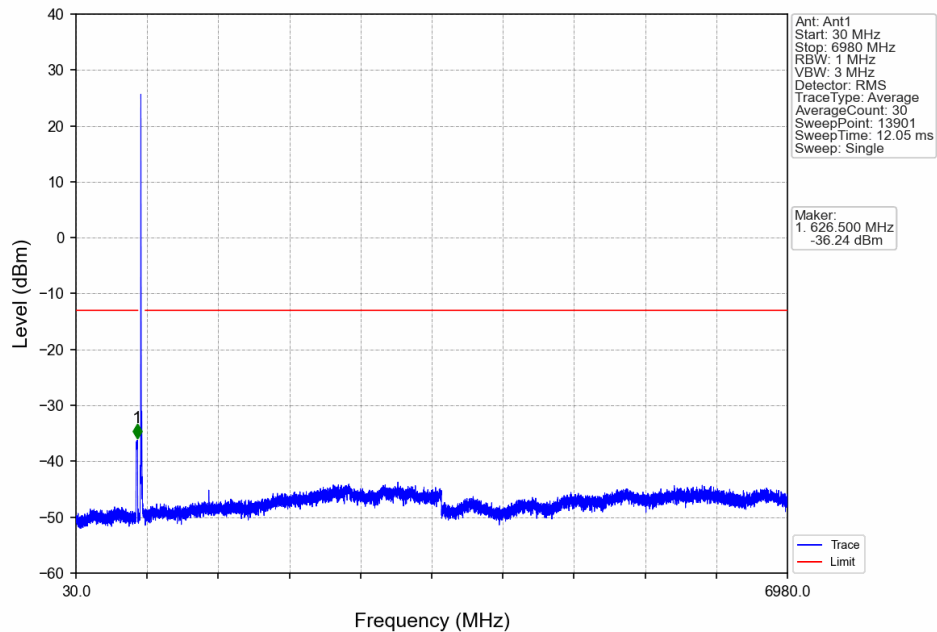


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Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



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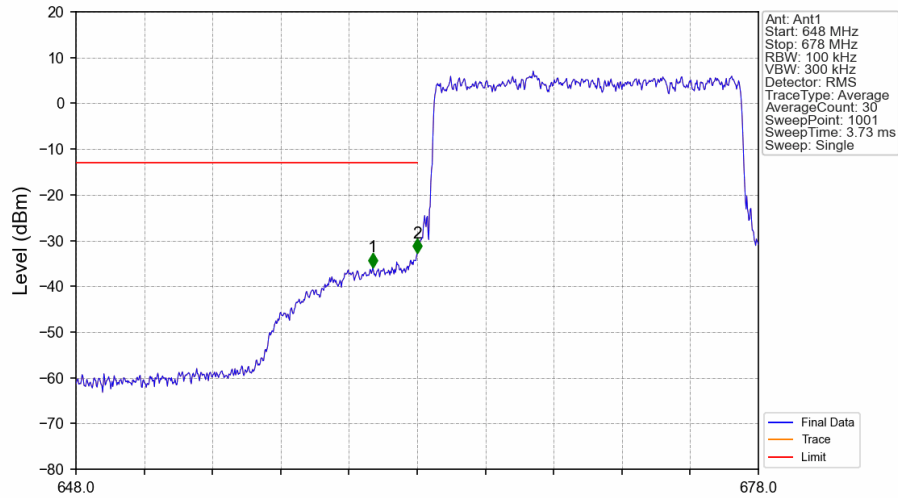
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Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.050	-35.84	-13	Pass
662	663	0.15	/	2	663.000	-32.74	-13	Pass
663	678	0.15	/	/	/	/	/	/



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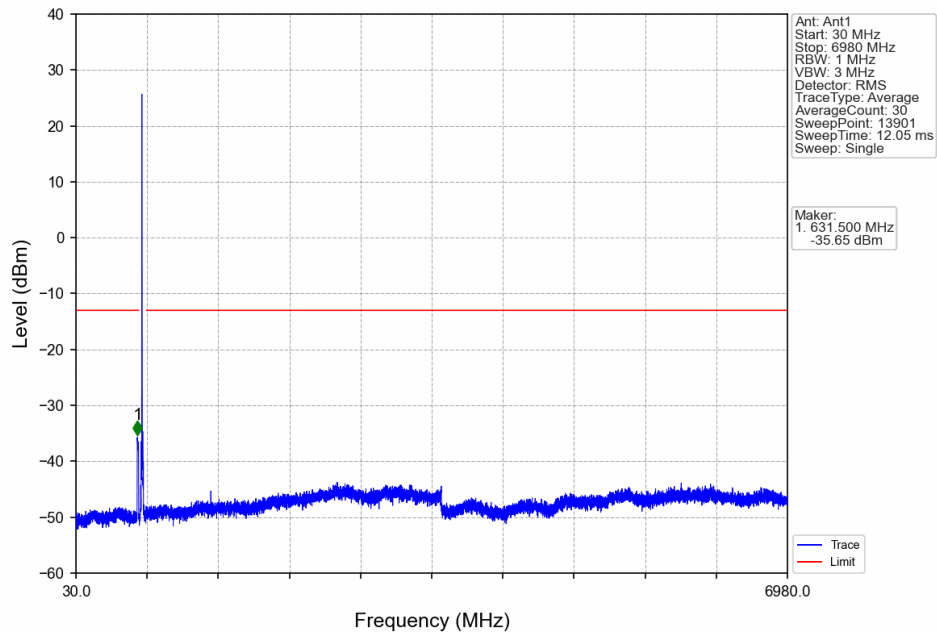
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Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



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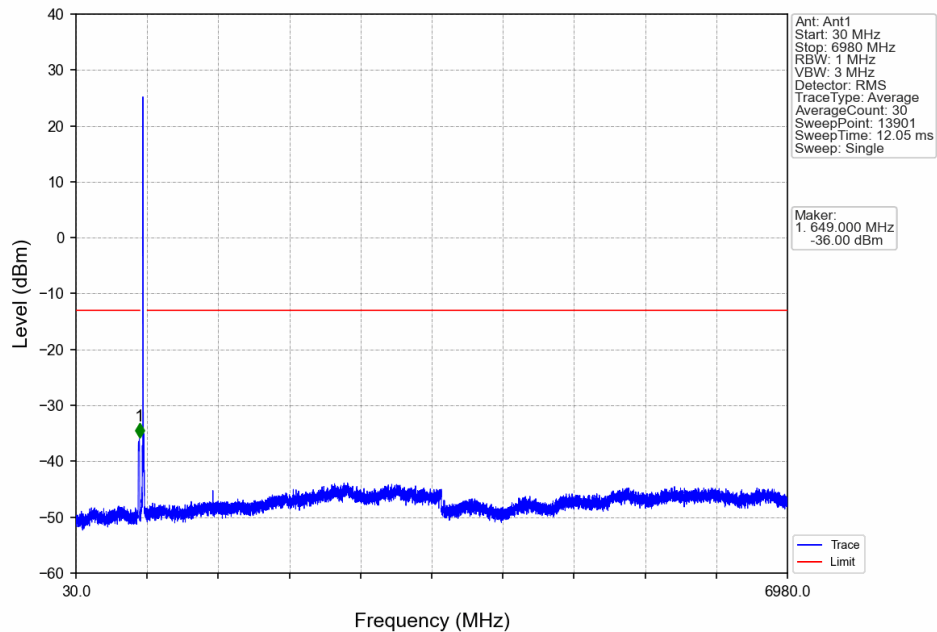
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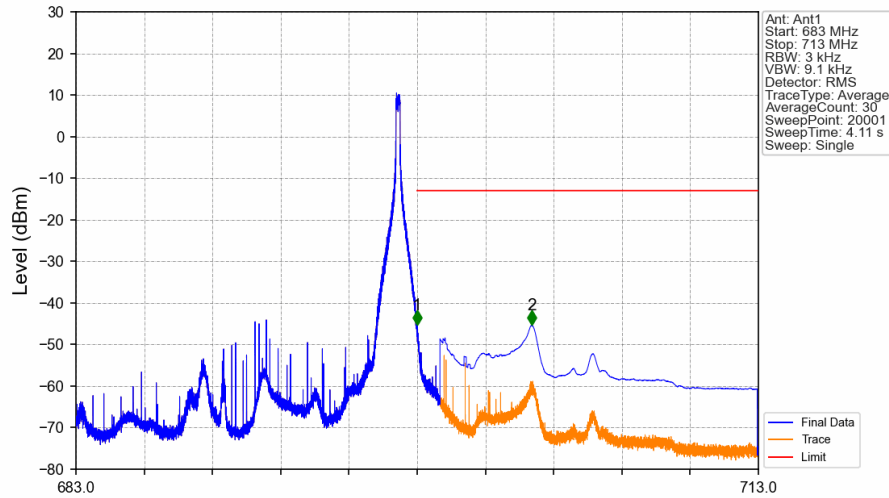
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Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	1	698.001	-45.35	-13	Pass
698	699	0.003	/	2	703.042	-45.36	-13	Pass
699	713	0.1	CHP					



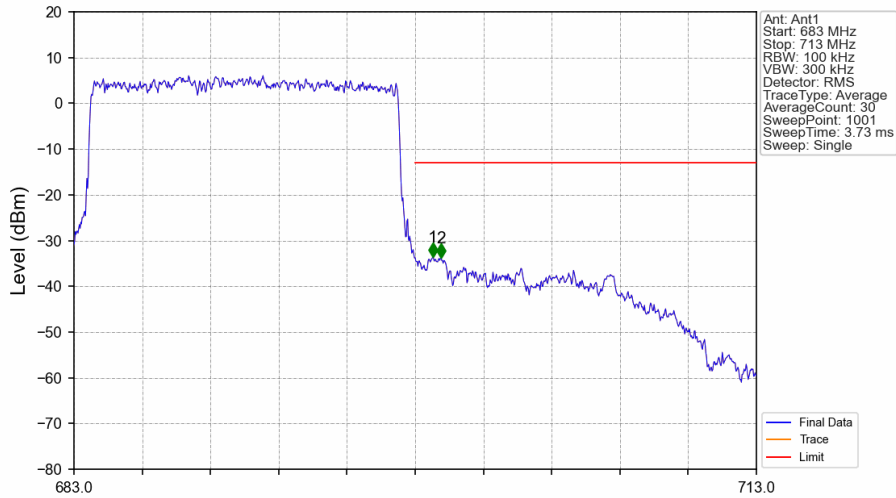
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.15	/	/	/	/	/	/
698	699	0.15	/	1	698.780	-33.59	-13	Pass
699	713	0.1	/	2	699.140	-33.86	-13	Pass

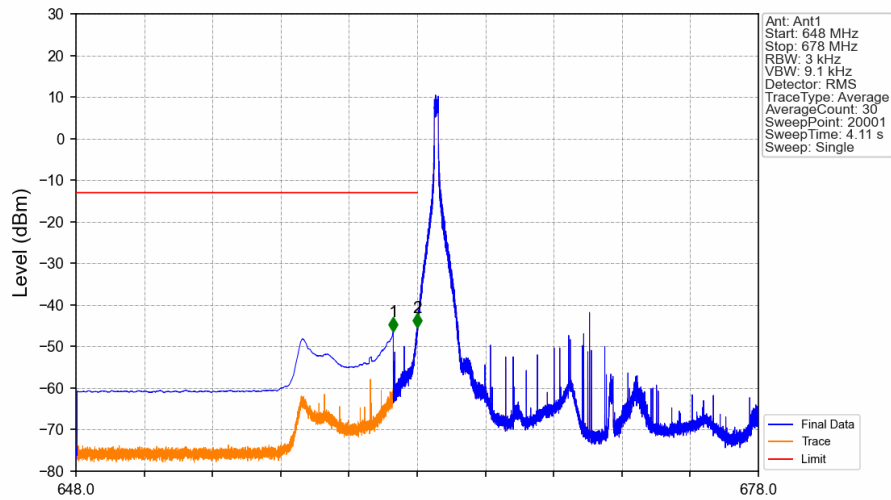


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Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.948	-46.50	-13	Pass
662	663	0.003	/	2	663.000	-45.48	-13	Pass
663	678	0.003	/	/	/	/	/	/



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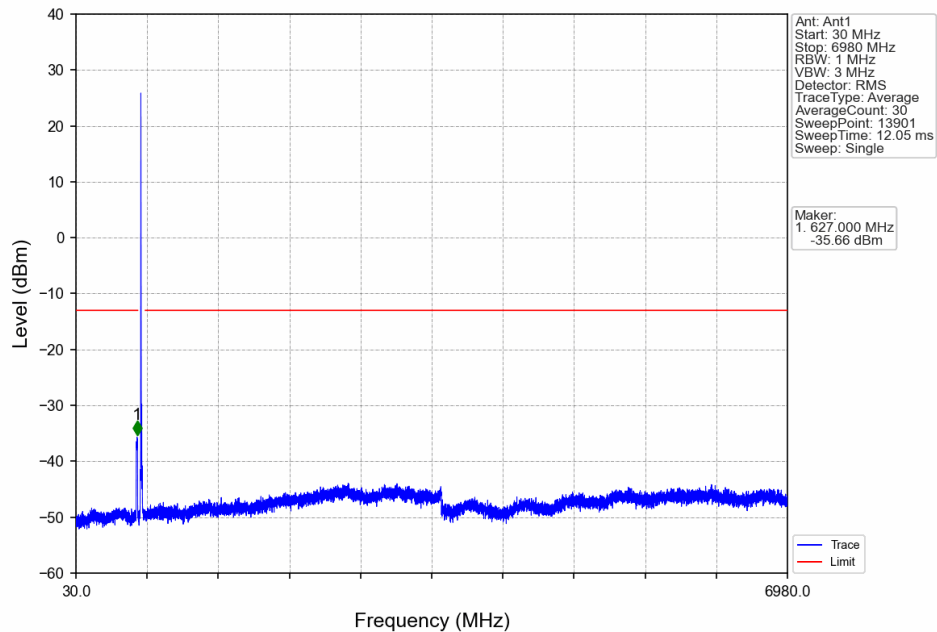
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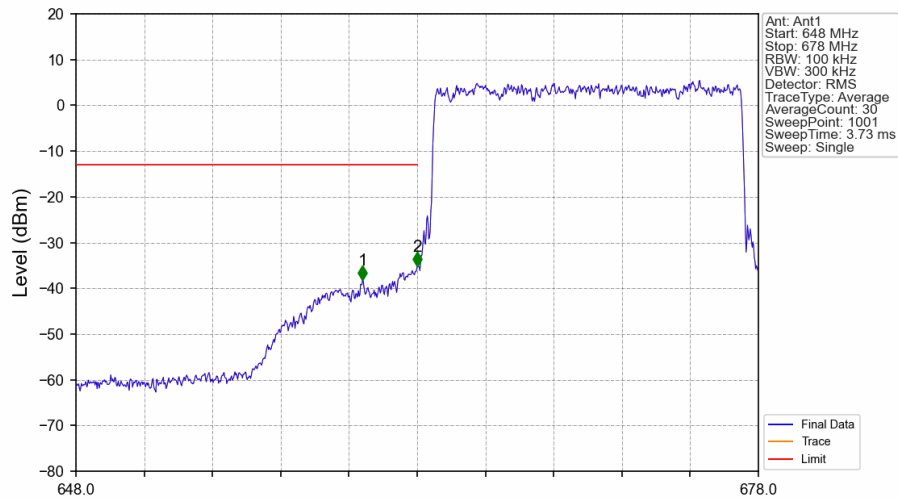
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	660.800	-38.17	-13	Pass
662	663	0.149	/	2	663.000	-35.18	-13	Pass
663	678	0.149	/	/	/	/	/	/



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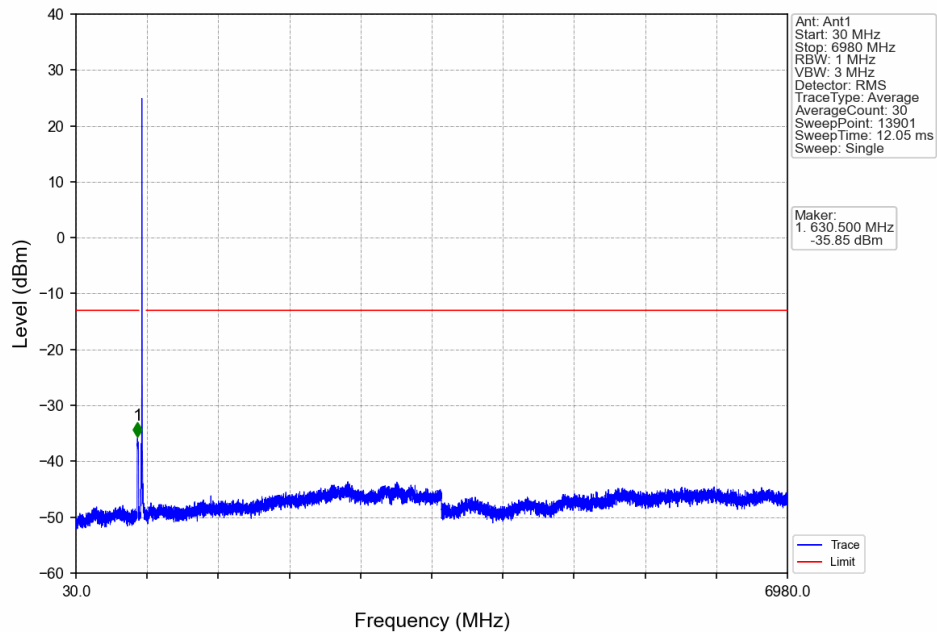
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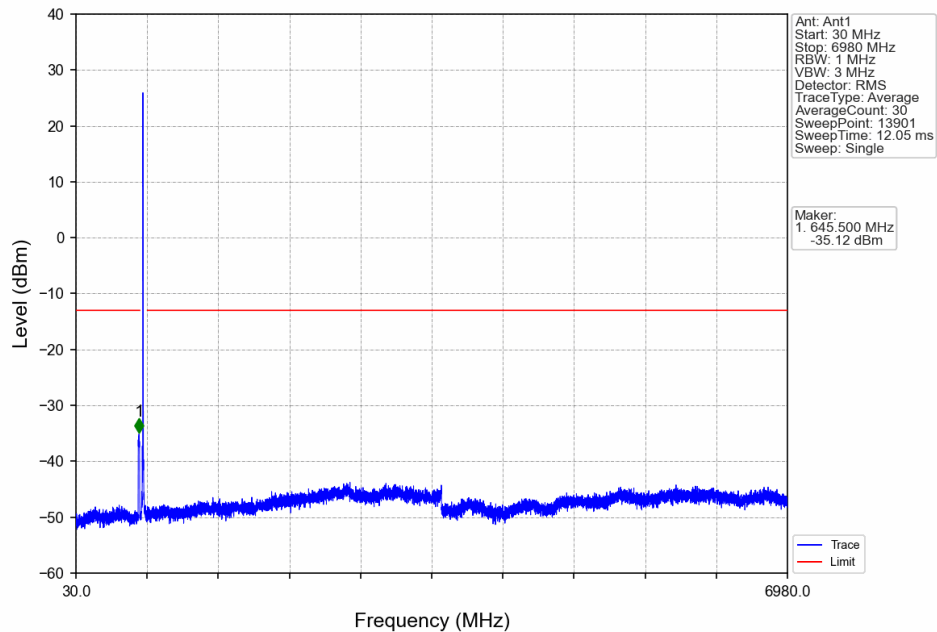
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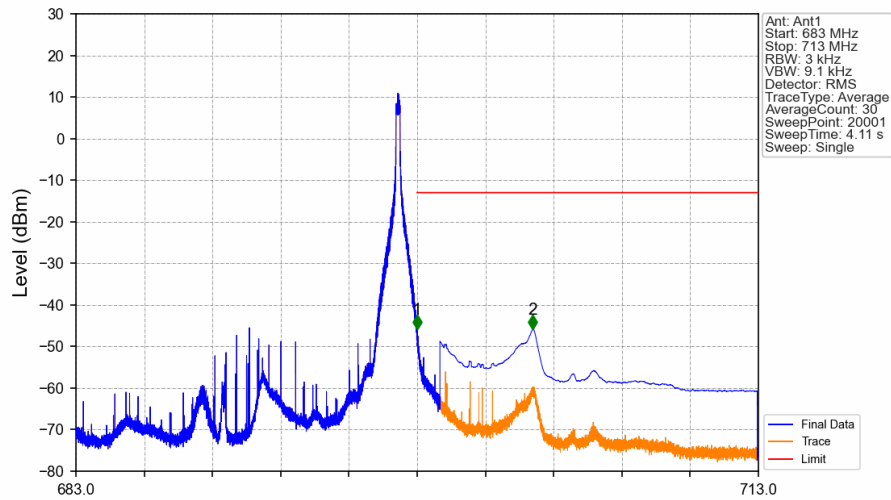
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	1	698.000	-45.88	-13	Pass
698	699	0.003	/	2	703.070	-45.88	-13	Pass
699	713	0.1	CHP					



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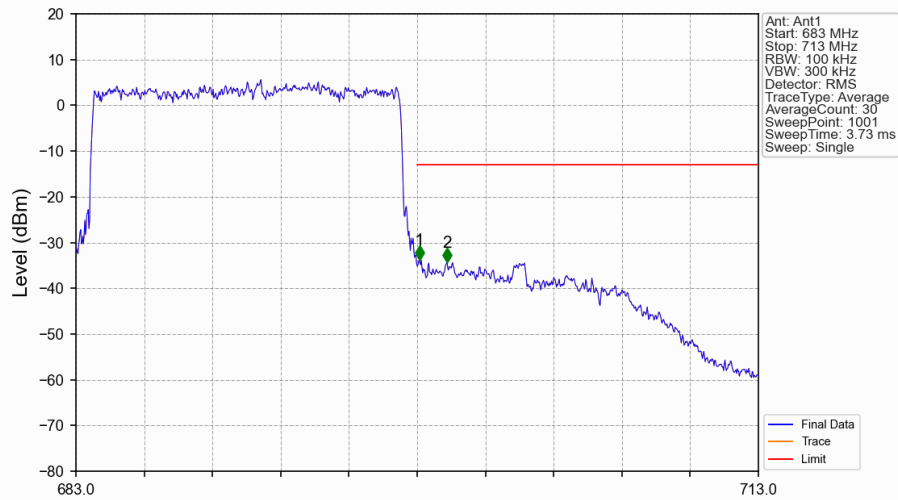
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Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.149	/	1	698.090	-33.75	-13	Pass
698	699	0.149	/	2	699.320	-34.37	-13	Pass
699	713	0.1	/					

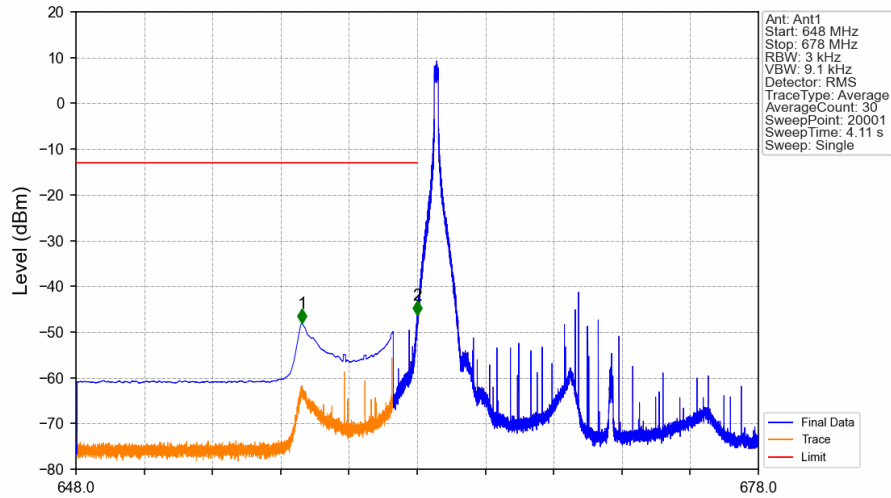


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Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	657.932	-48.08	-13	Pass
662	663	0.003	/	2	662.997	-46.29	-13	Pass
663	678	0.003	/	/	/	/	/	/



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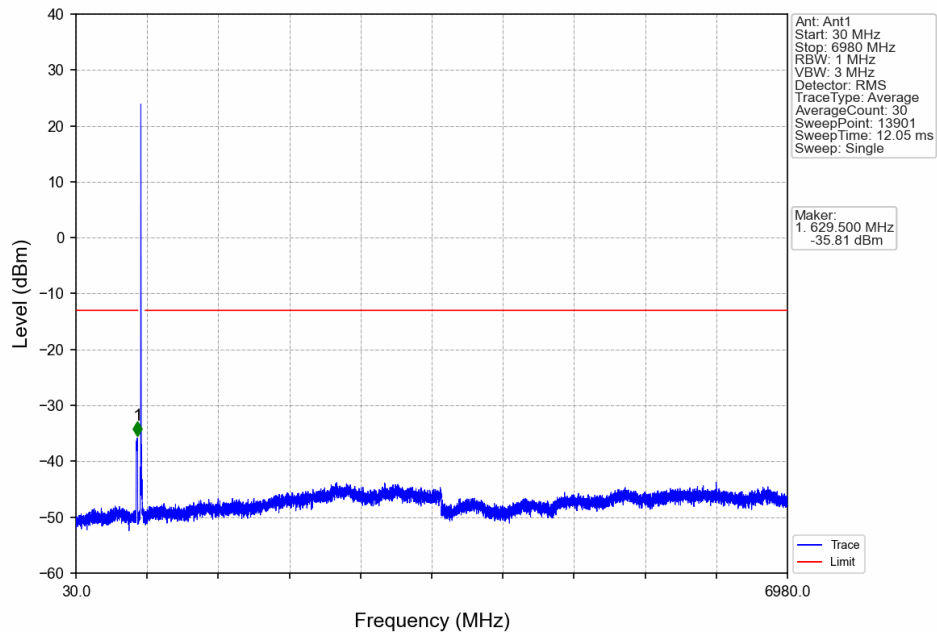
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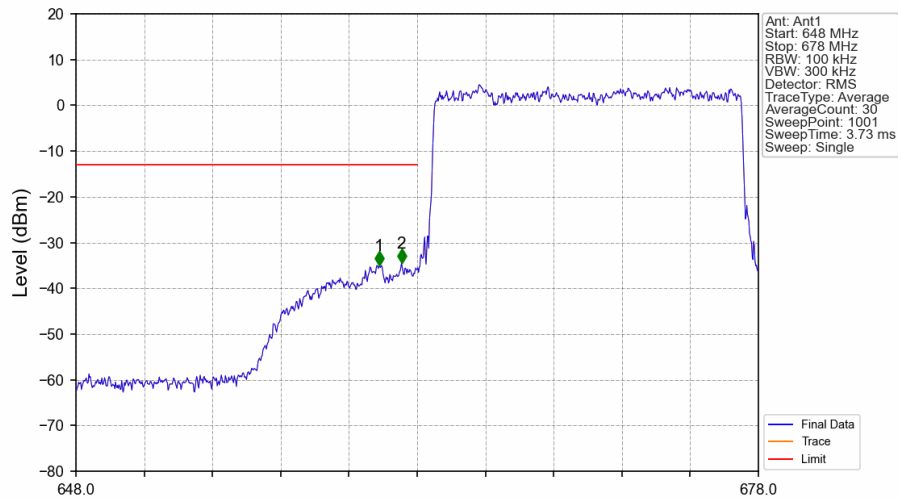
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.320	-34.98	-13	Pass
662	663	0.149	/	2	662.310	-34.49	-13	Pass
663	678	0.149	/	/	/	/	/	/



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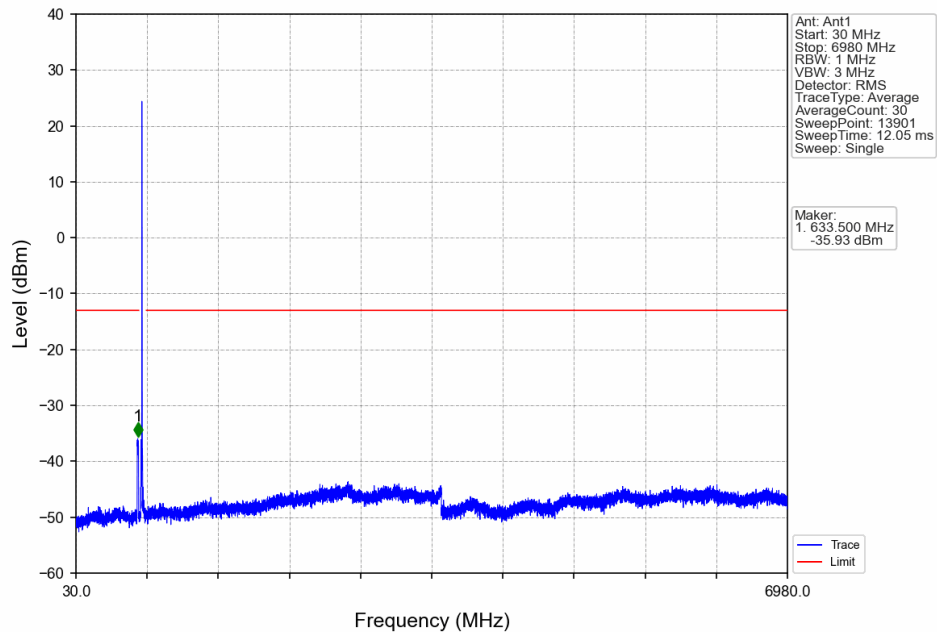
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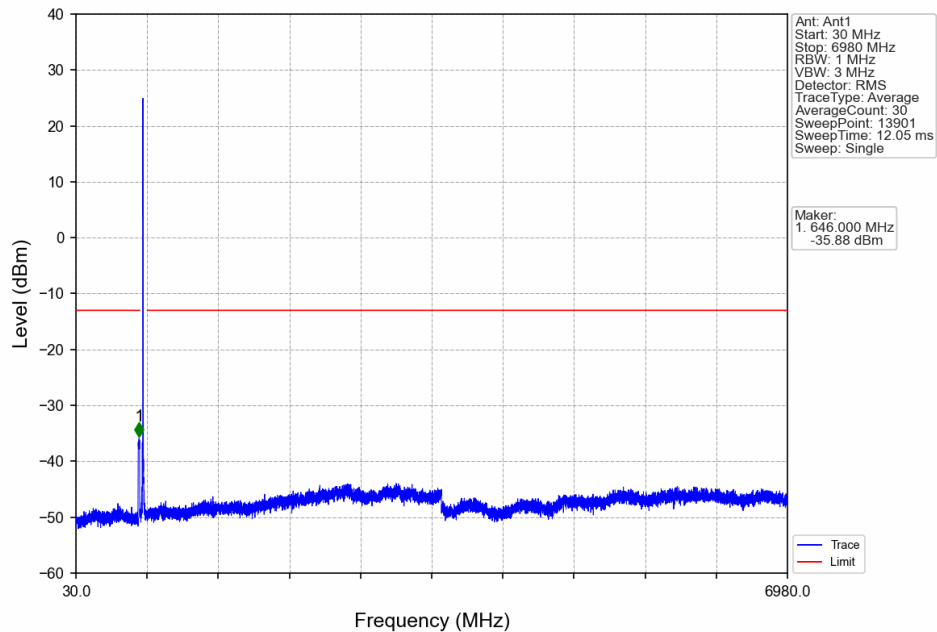
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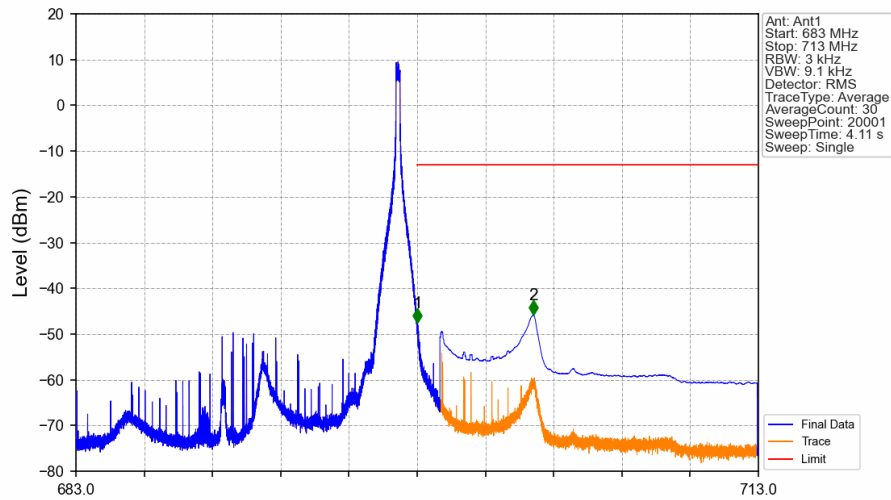
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	1	698.005	-47.49	-13	Pass
698	699	0.003	/	2	703.101	-45.85	-13	Pass
699	713	0.1	CHP					

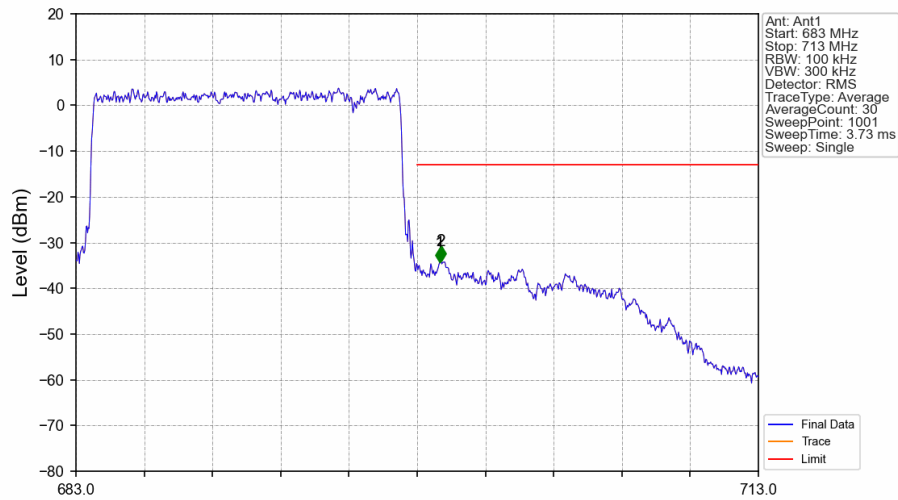


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Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.151	/	1	698.990	-34.40	-13	Pass
698	699	0.1	/	2	699.050	-34.01	-13	Pass



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4.4 B71_20MHz

4.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

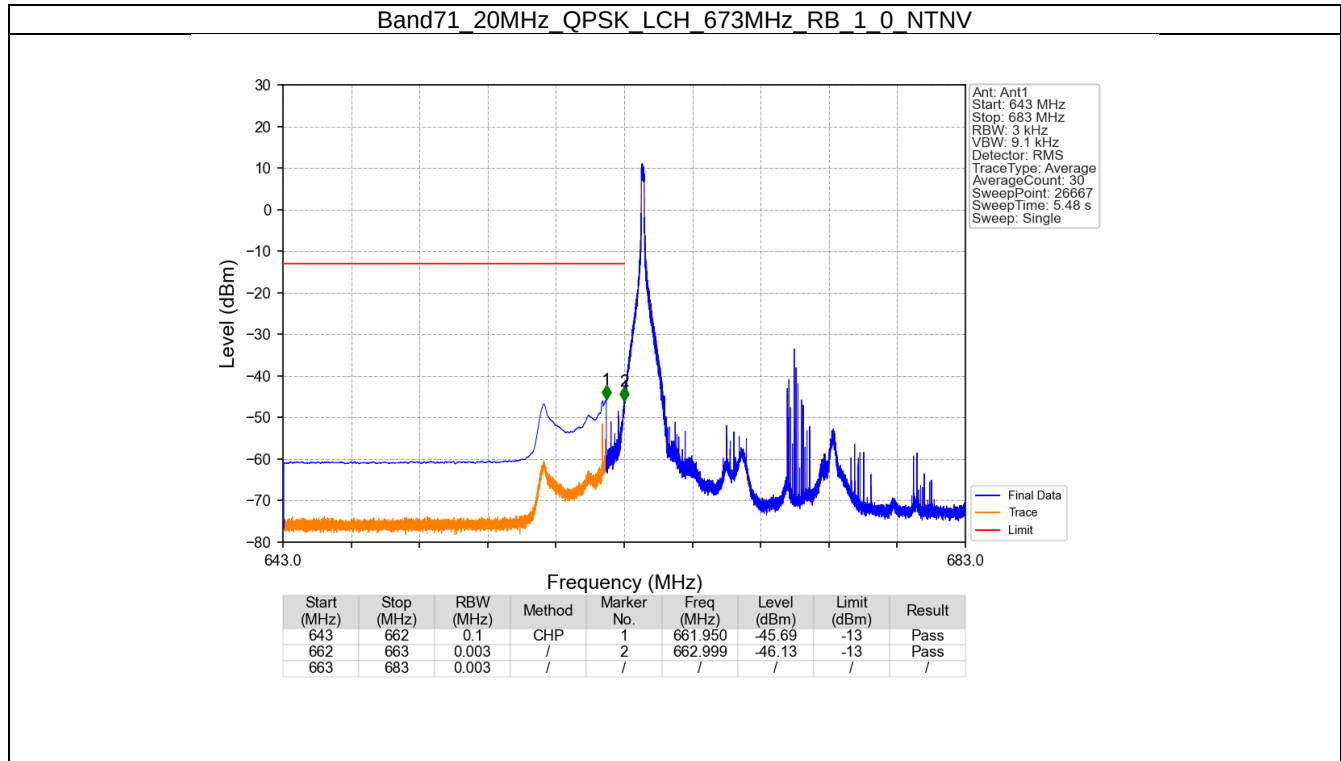


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4.4.2 Test Graph



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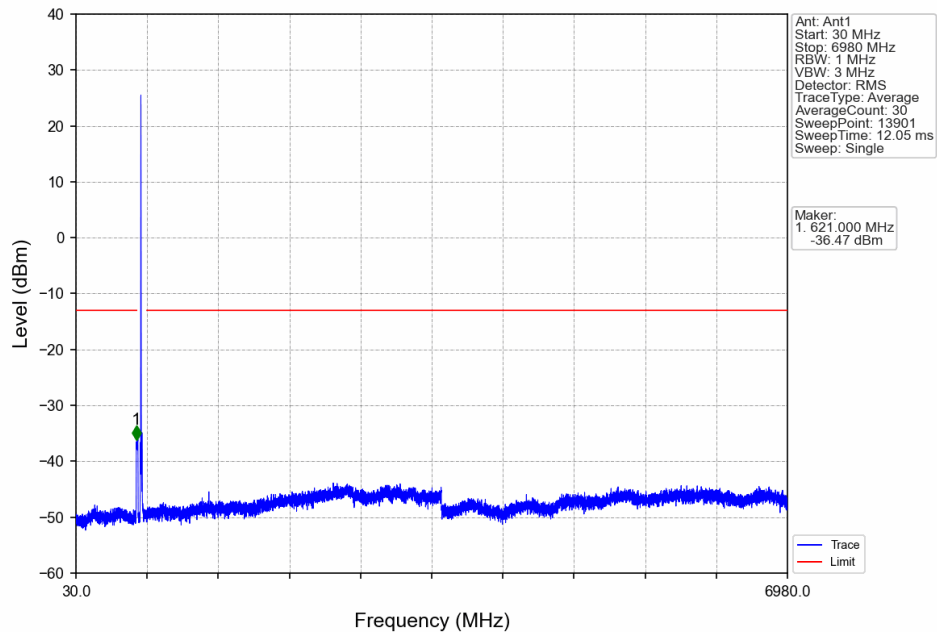
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Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



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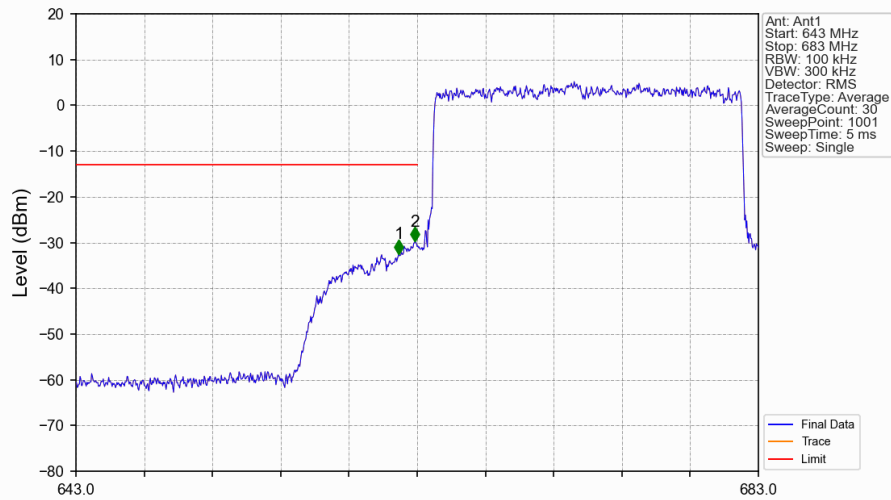
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Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.920	-32.47	-13	Pass
662	663	0.198	/	2	662.880	-29.72	-13	Pass
663	683	0.198	/	/	/	/	/	/



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