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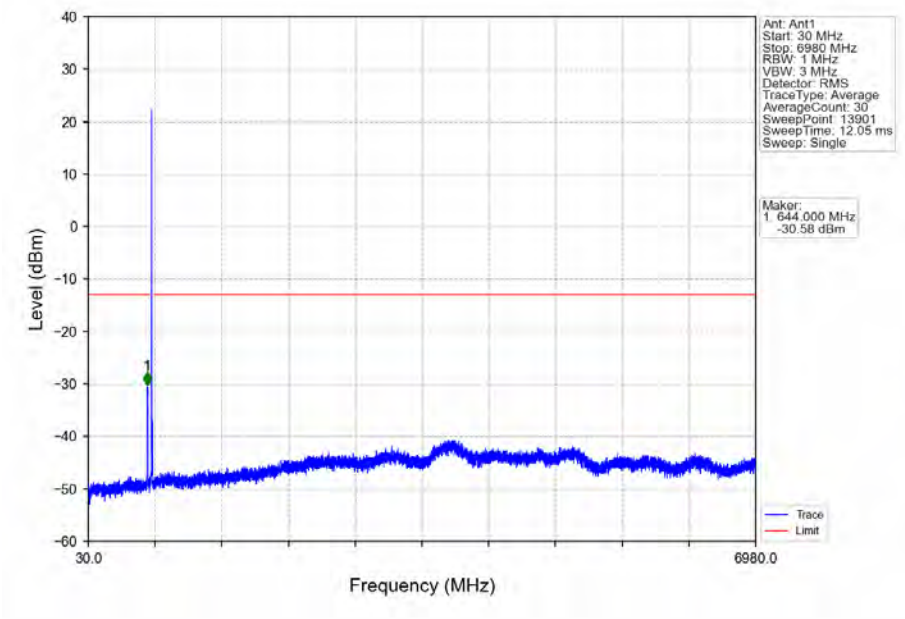
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV

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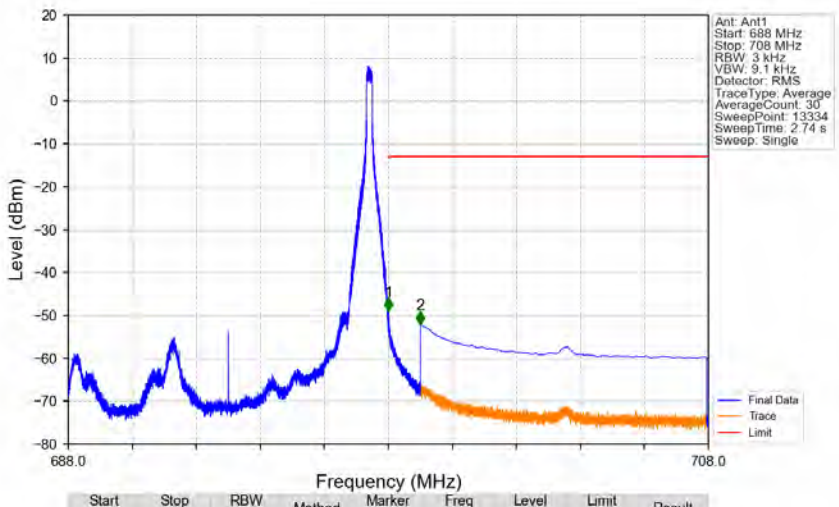

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.002	-48.95	-13	Pass
699	708	0.1	CHP	2	699.001	-52.06	-13	Pass

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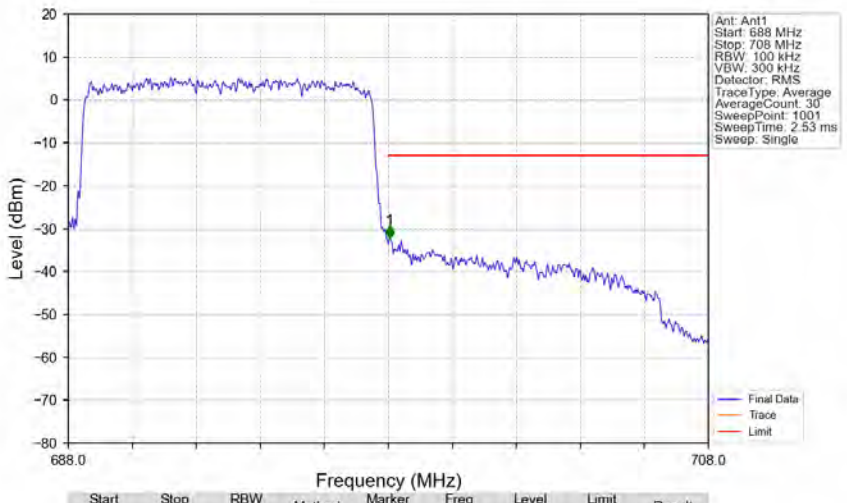
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



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	698.040	-32.35	-13	Pass

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

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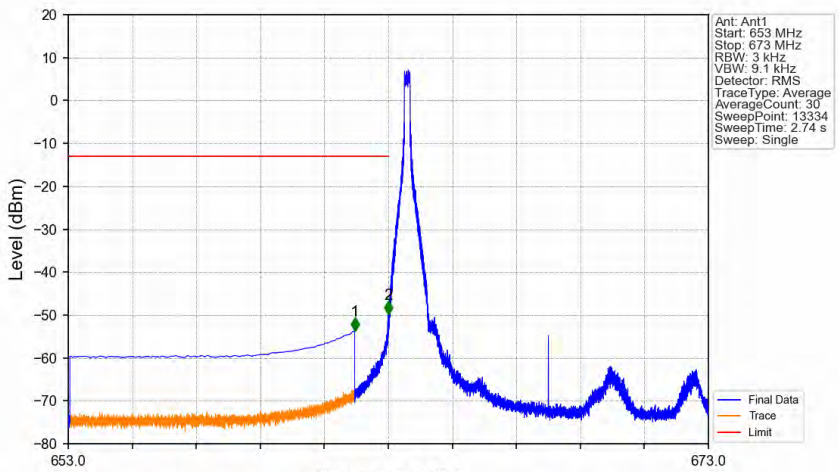

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	661.949	-53.64	-13	Pass
662	663	0.003	/	2	662.998	-49.78	-13	Pass
663	673	0.003	/	/	/	/	/	/

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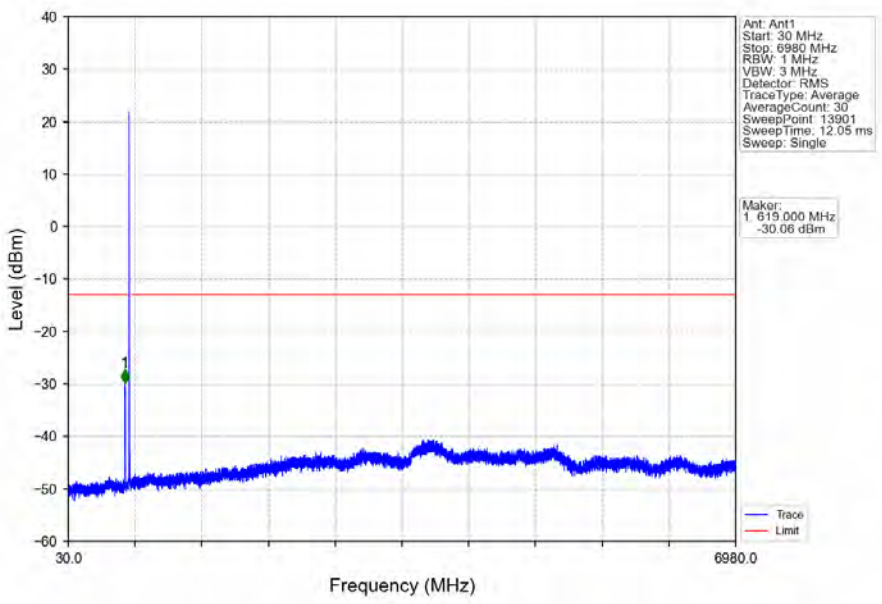
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

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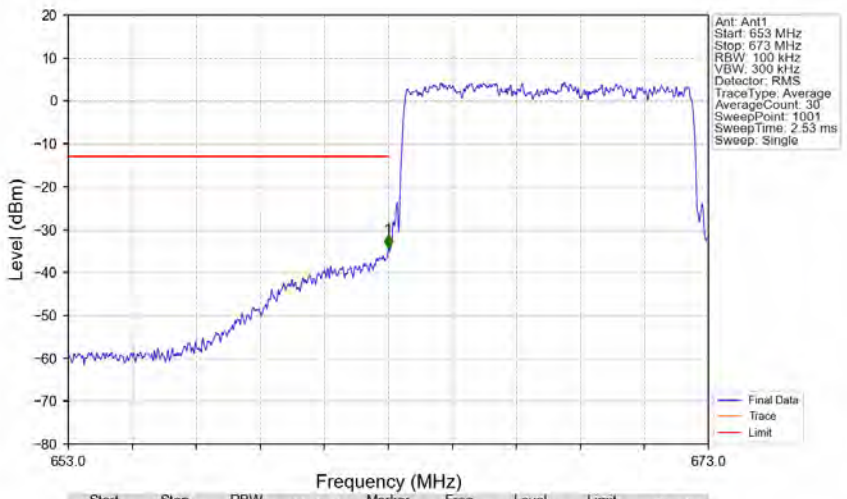

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	663.000	-34.29	-13	Pass
663	673	0.1	/	/	/	/	/	/

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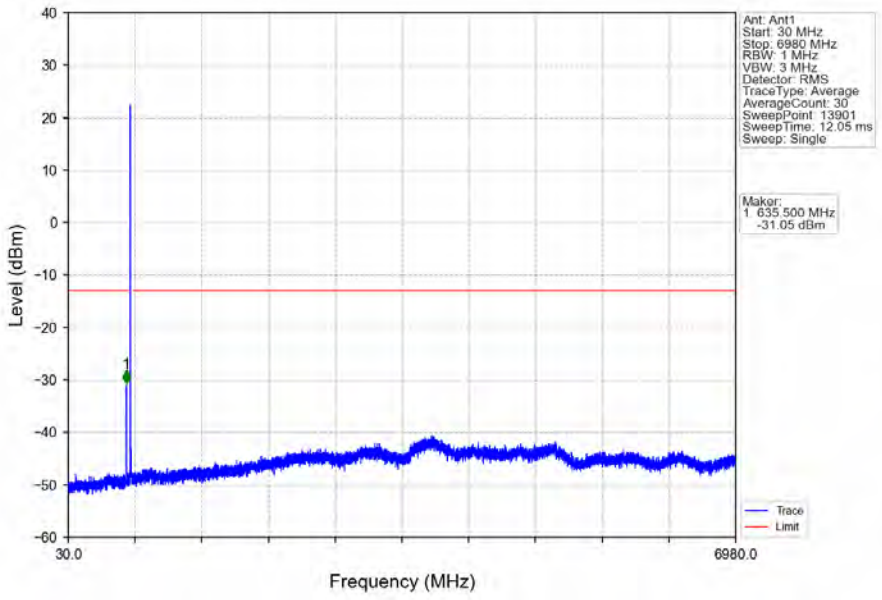

Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV

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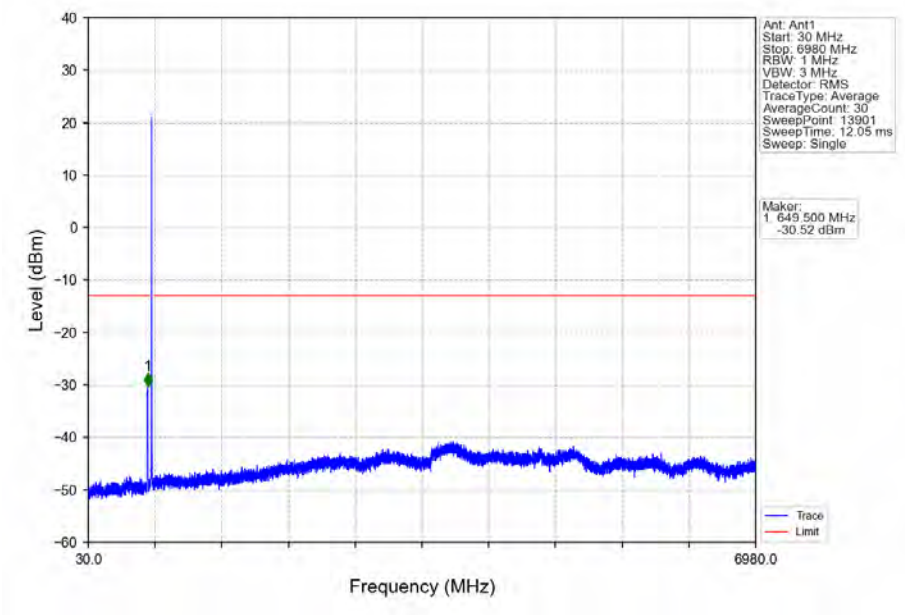

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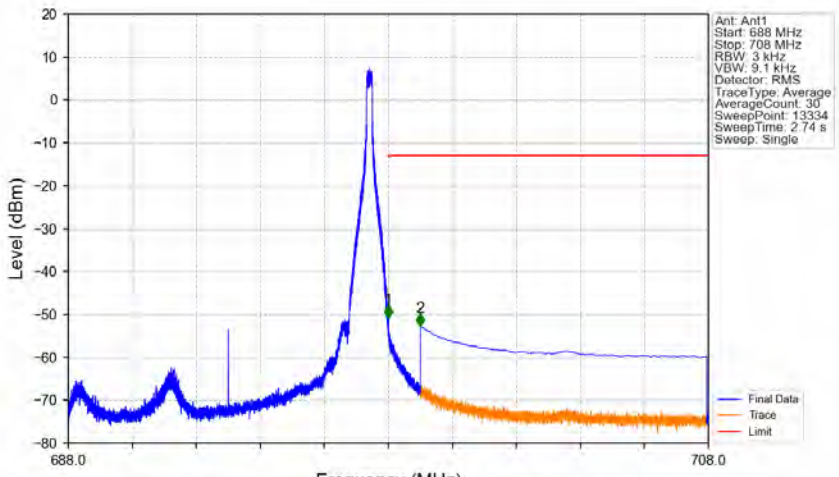

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.001	-50.90	-13	Pass
699	708	0.1	CHP	2	699.001	-52.83	-13	Pass

Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

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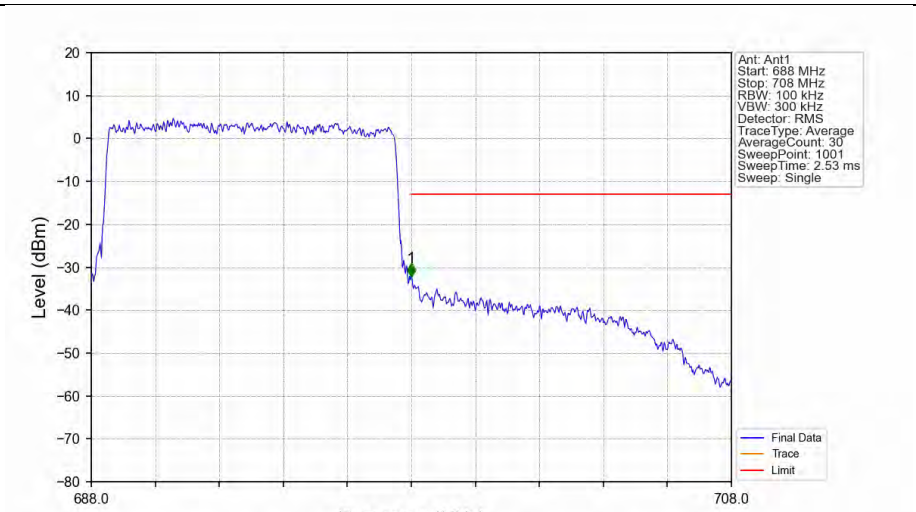

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.000	-32.27	-13	Pass

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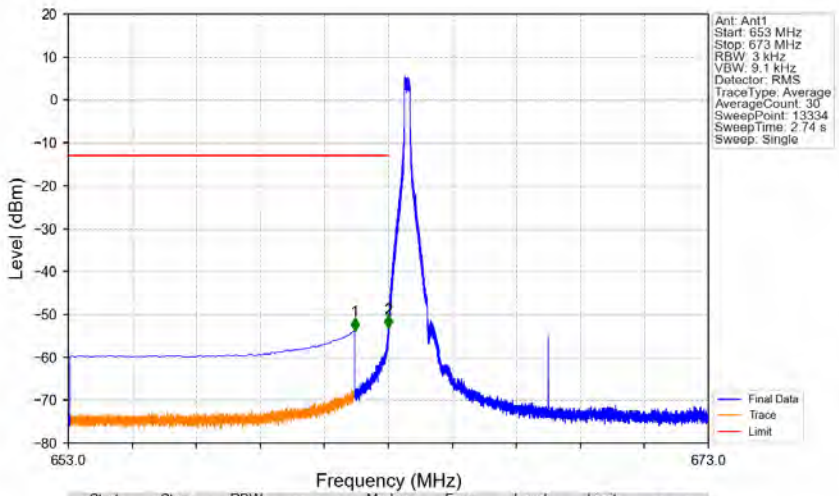
Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	661.949	-53.81	-13	Pass
662	663	0.003	/	2	662.996	-53.26	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV

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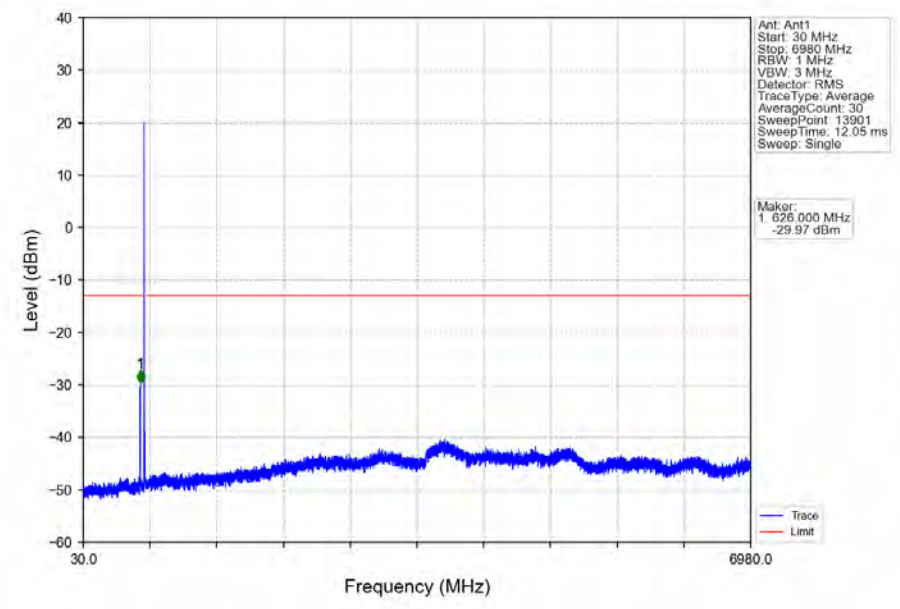

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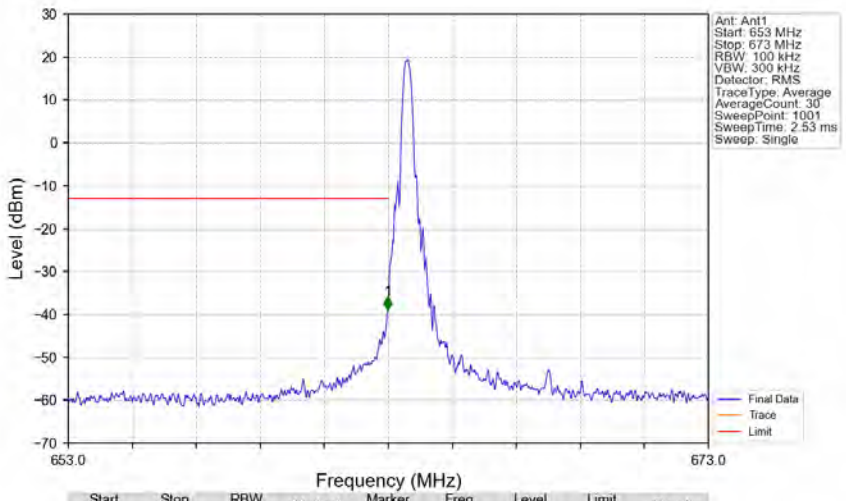

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.980	-38.93	-13	Pass
663	673	0.1	/	/	/	/	/	/

Band71_10MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV

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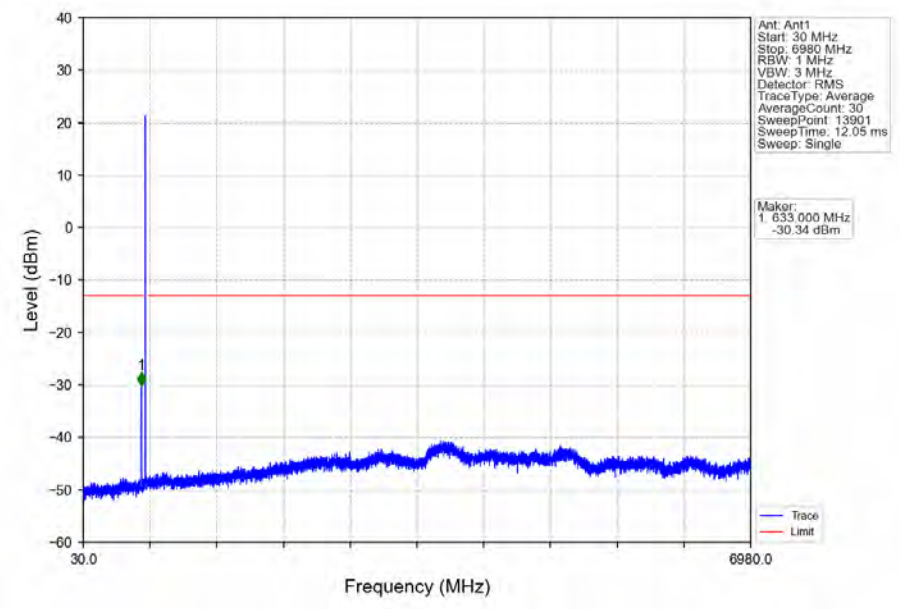

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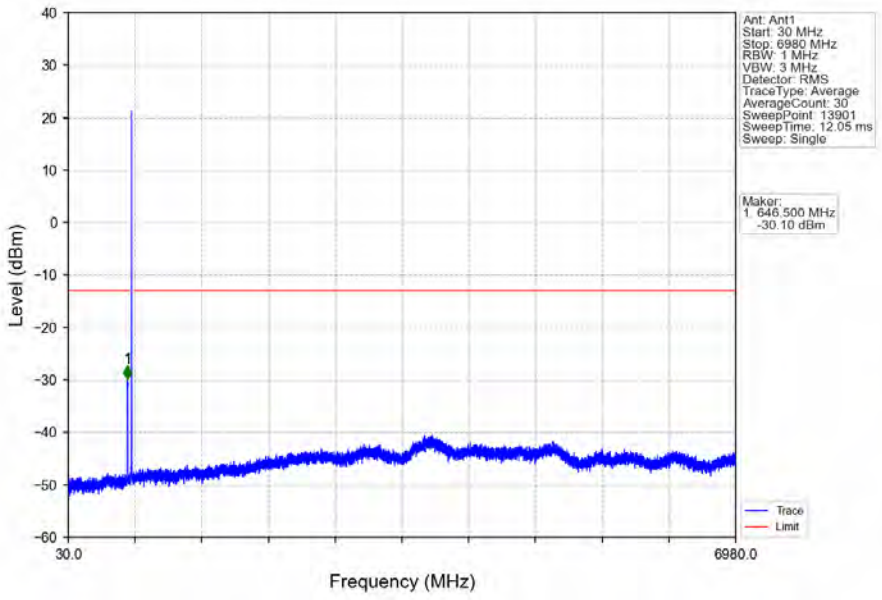
Band71_10MHz_64QAM_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_64QAM_HCH_693MHz_RB_1_49_NTNV

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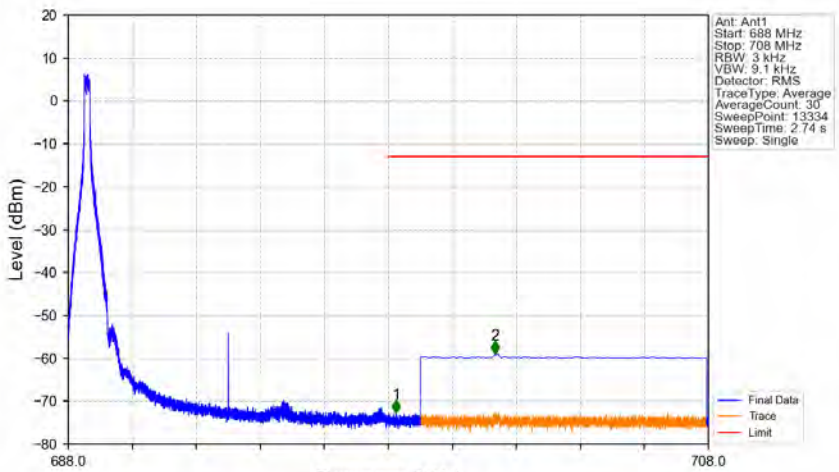

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.241	-72.73	-13	Pass
699	708	0.1	CHP	2	701.344	-59.02	-13	Pass

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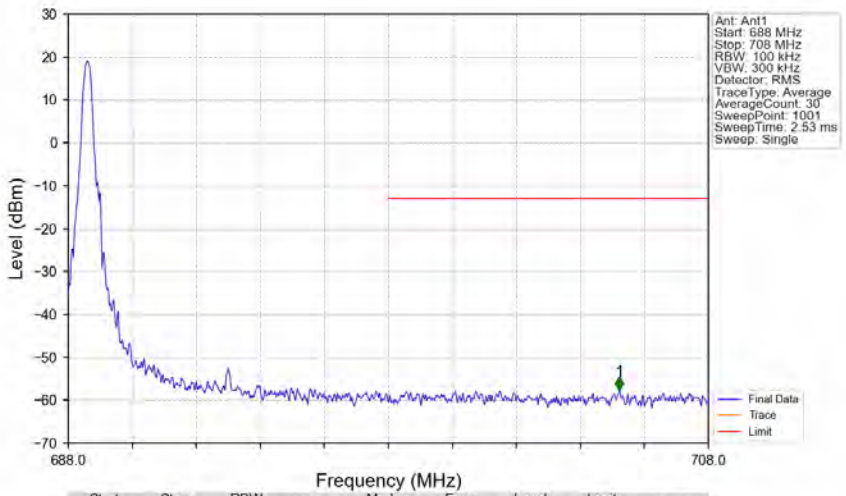

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	705.220	-57.72	-13	Pass

Band71_10MHz_256QAM_LCH_668MHz_RB_1_0_NTNV

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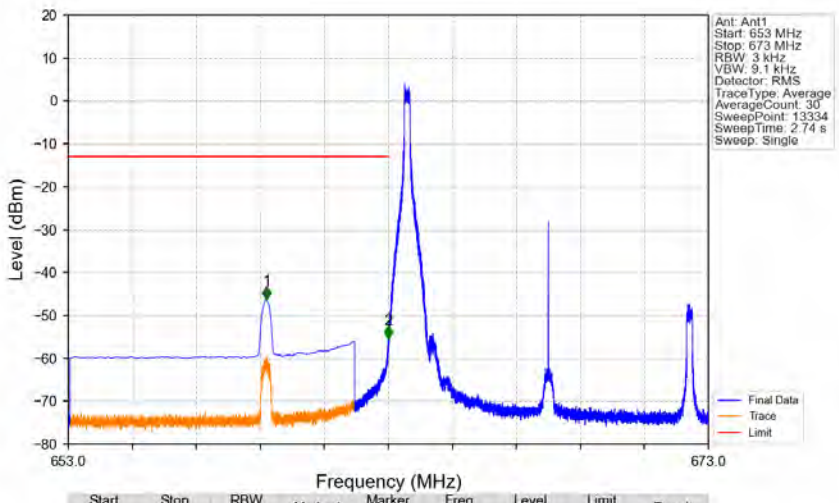

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	659.197	-46.37	-13	Pass
662	663	0.003	/	2	662.998	-55.54	-13	Pass
663	673	0.003	/	/	/	/	/	/

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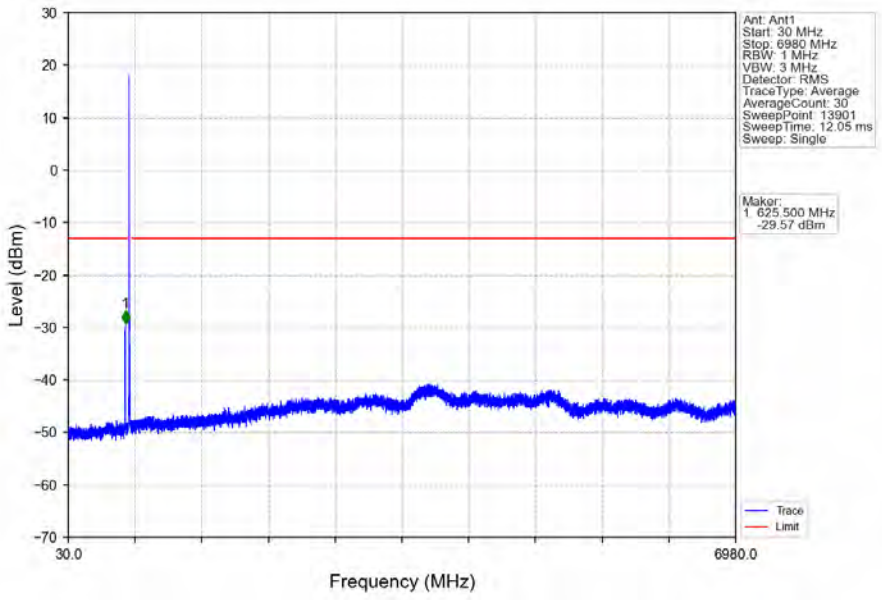

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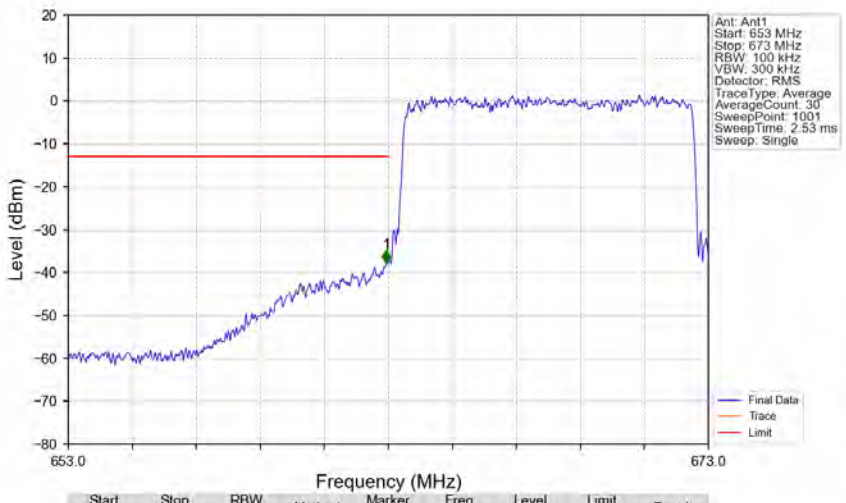

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.940	-37.81	-13	Pass
663	673	0.1	/	/	/	/	/	/

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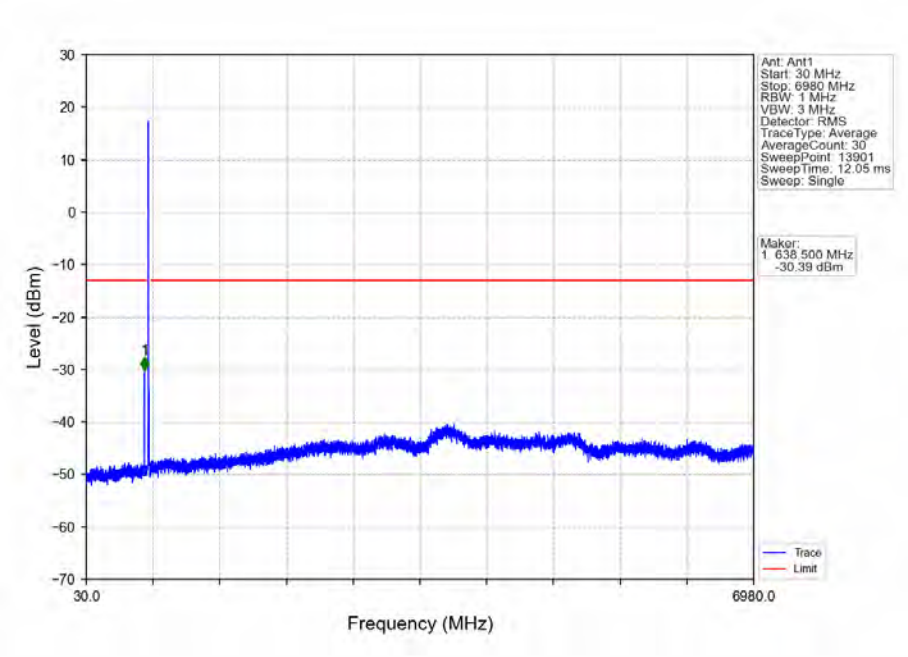

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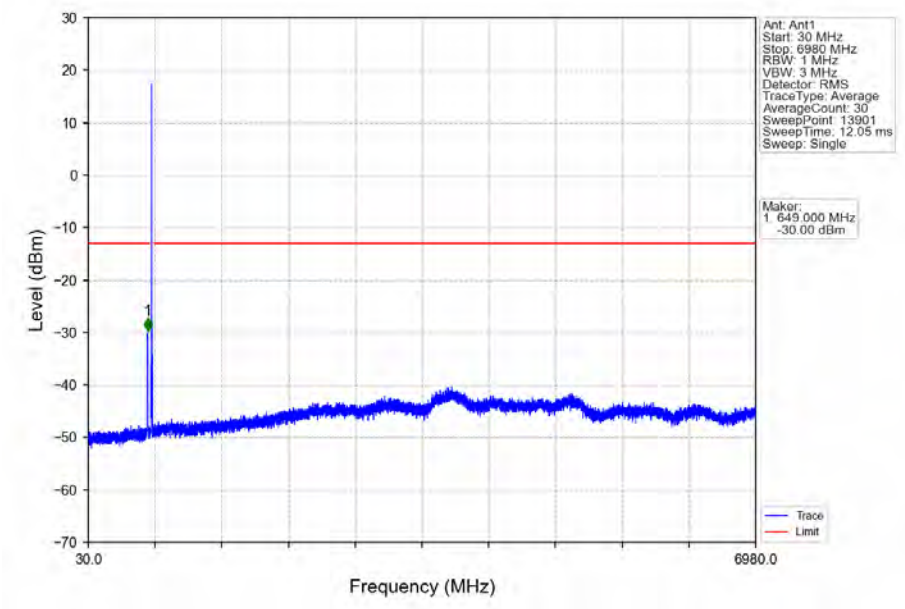

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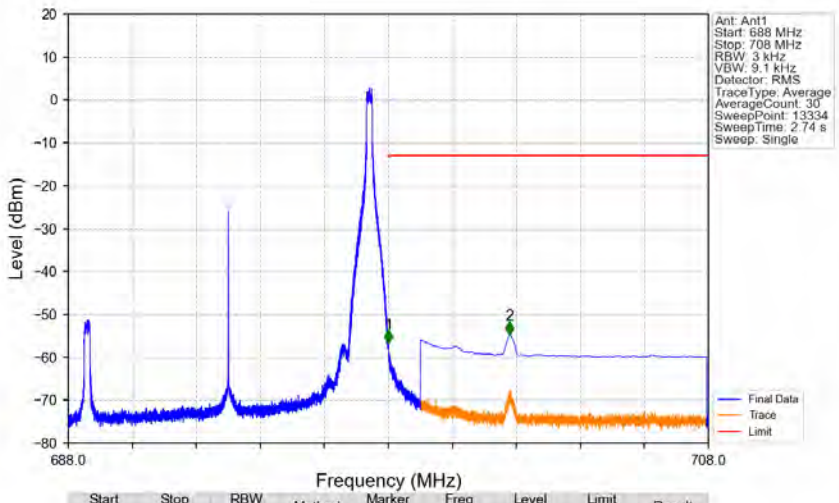

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.004	-56.70	-13	Pass
699	708	0.1	CHP	2	701.787	-54.70	-13	Pass

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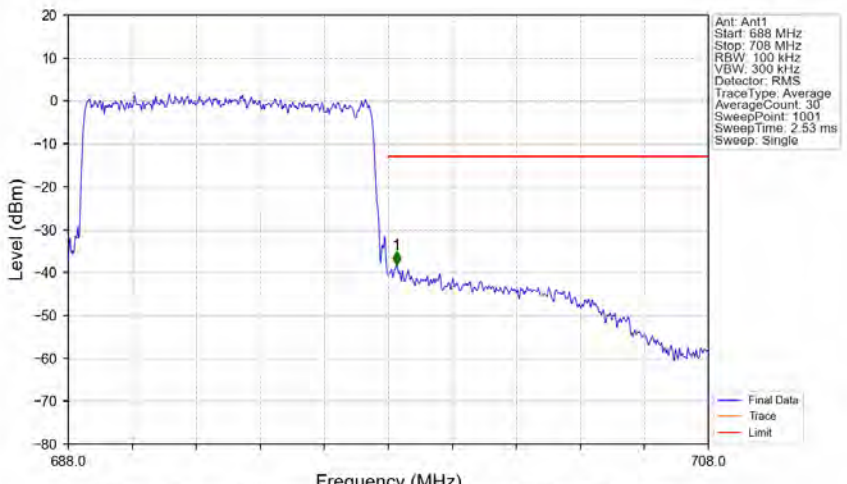

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.260	-38.14	-13	Pass

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5.3 B71_15MHz

5.3.1 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
	690.5	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
	690.5	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
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
256QAM	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
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

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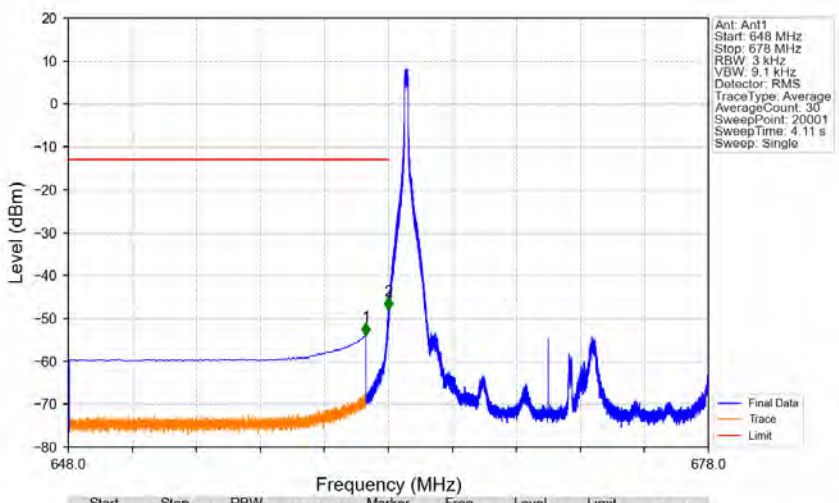
5.3.2 Test Graph

Band71_15MHz_QPSK_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	-54.06	-13	Pass
662	663	0.003	/	2	662.995	-48.13	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

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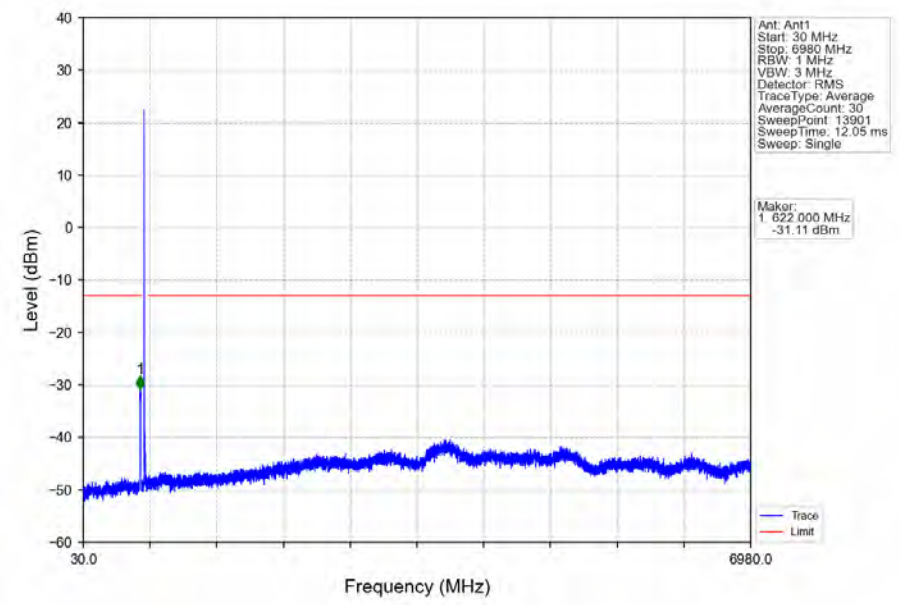

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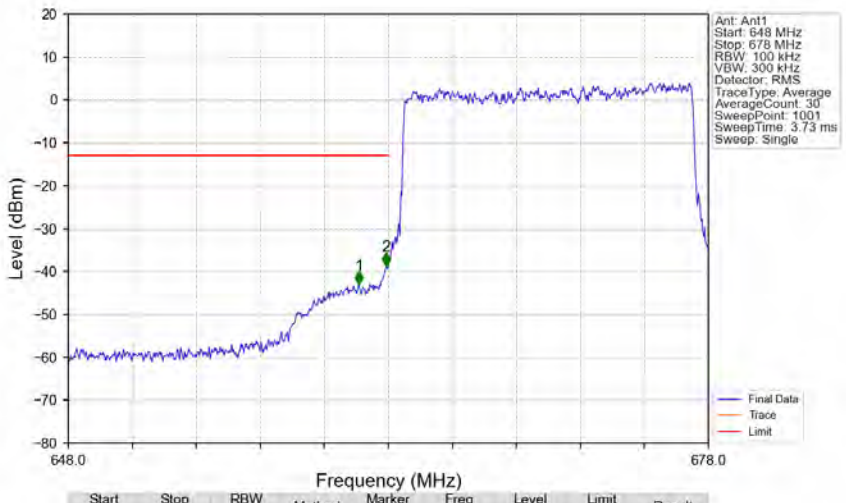
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.620	-43.04	-13	Pass
662	663	0.15	/	2	662.910	-38.66	-13	Pass
663	678	0.15	/	/	/	/	/	/

Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV

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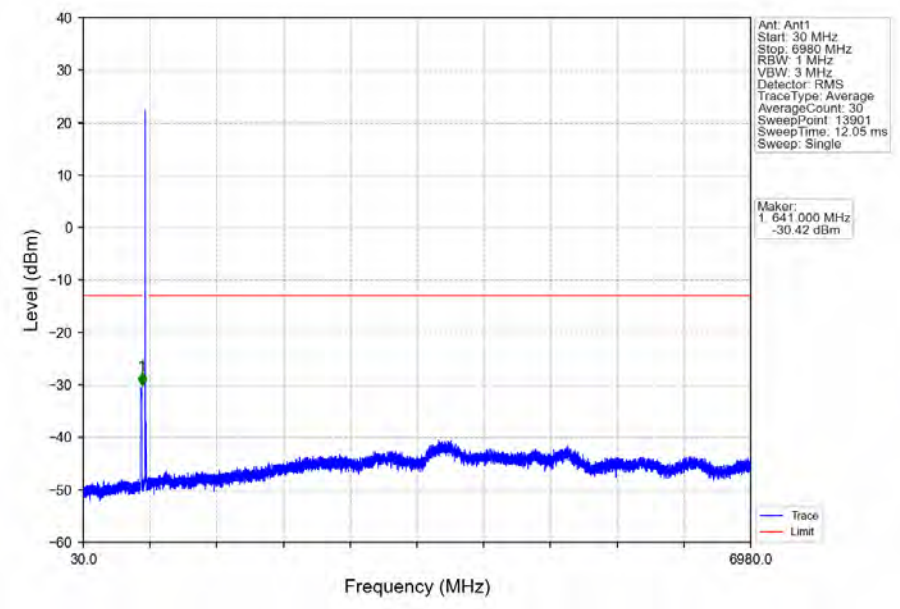

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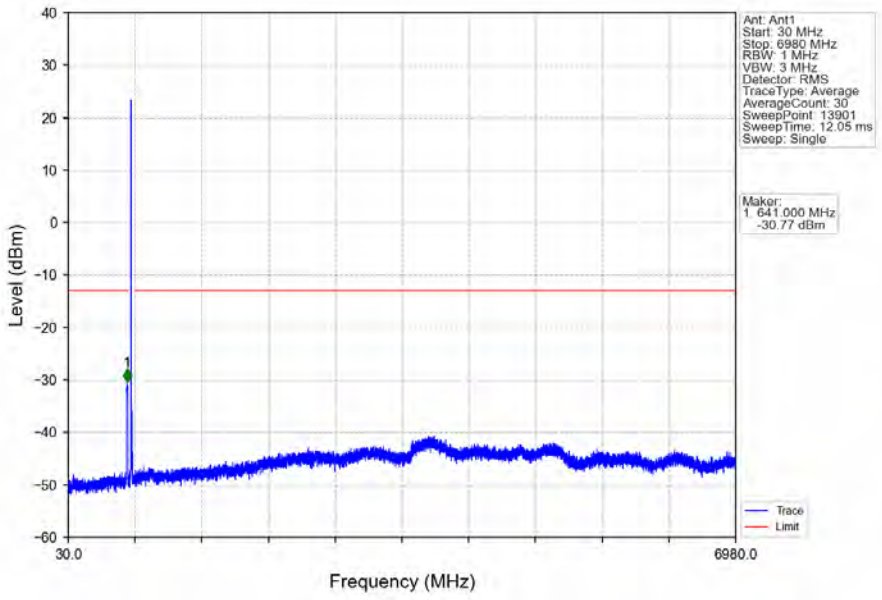
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV

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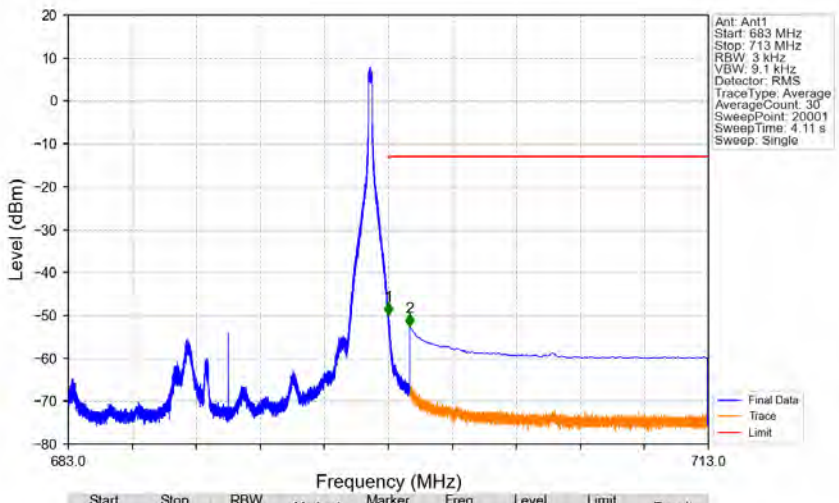

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.005	-50.08	-13	Pass
699	713	0.1	CHP	2	699.002	-52.65	-13	Pass

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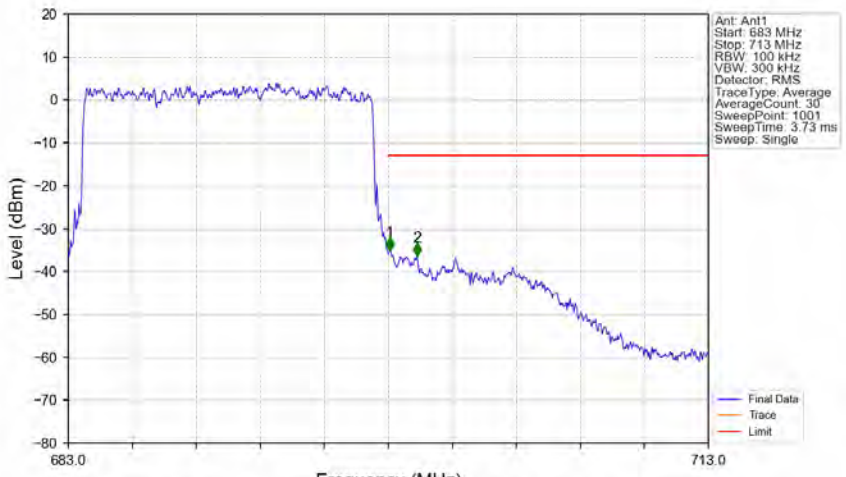

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.149	/	/	/	/	/	/
698	699	0.149	/	1	698.060	-35.23	-13	Pass
699	713	0.1	/	2	699.350	-36.50	-13	Pass

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

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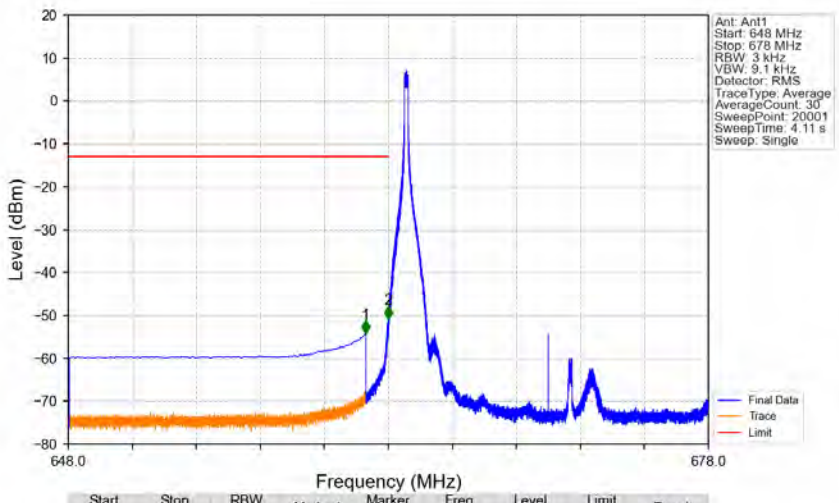

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.928	-54.32	-13	Pass
662	663	0.003	/	2	662.999	-50.81	-13	Pass
663	678	0.003	/	/	/	/	/	/

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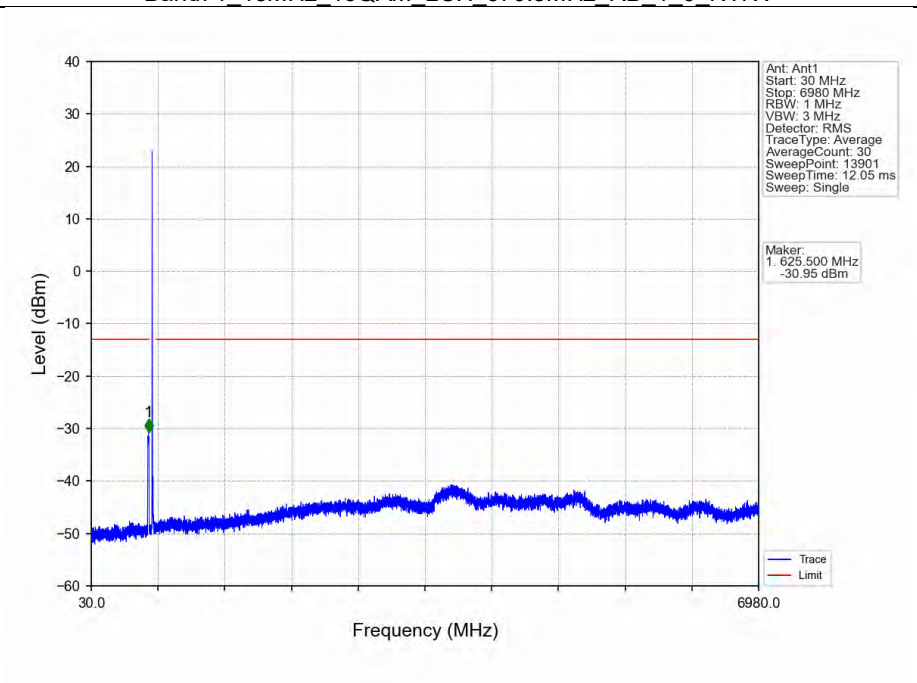

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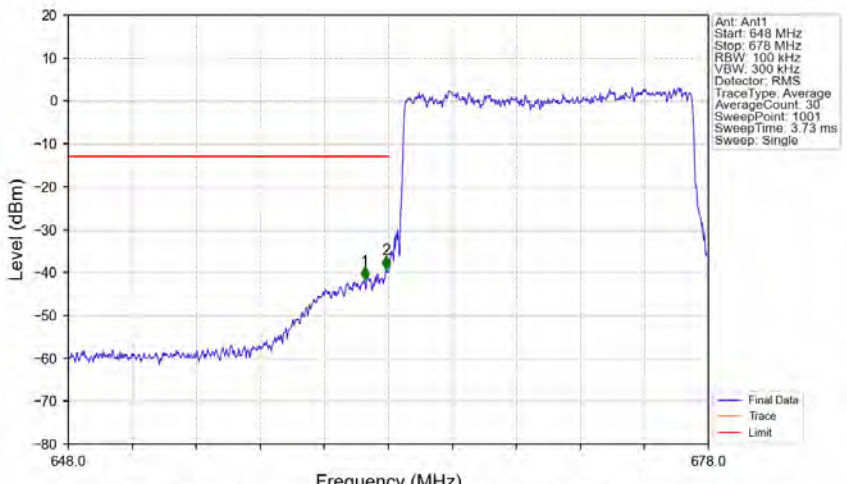

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.890	-41.71	-13	Pass
662	663	0.149	/	2	662.910	-39.20	-13	Pass
663	678	0.149	/	/	/	/	/	/

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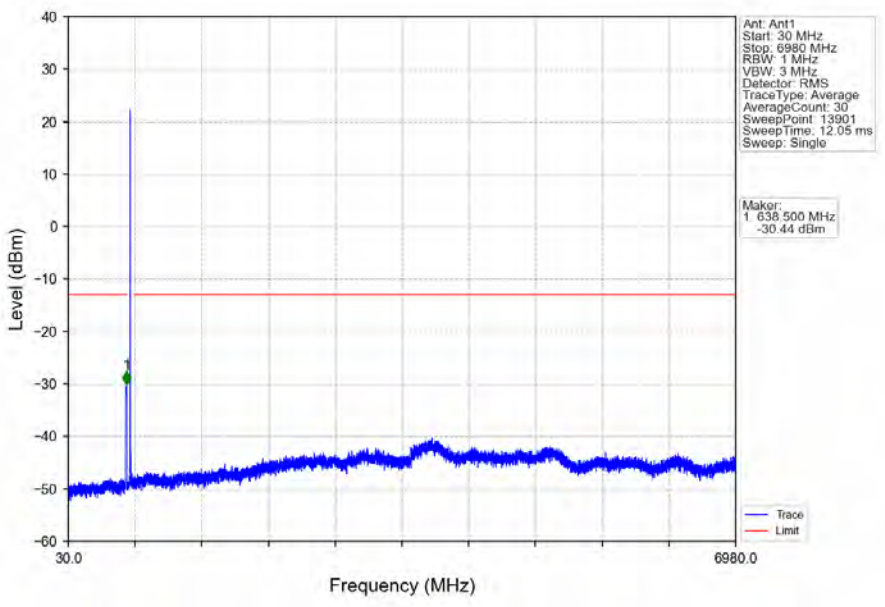

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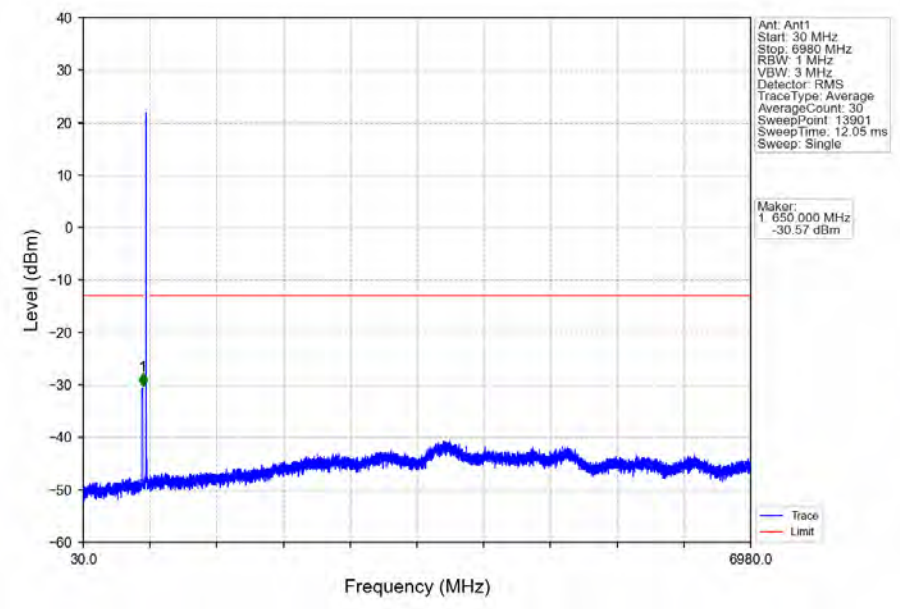

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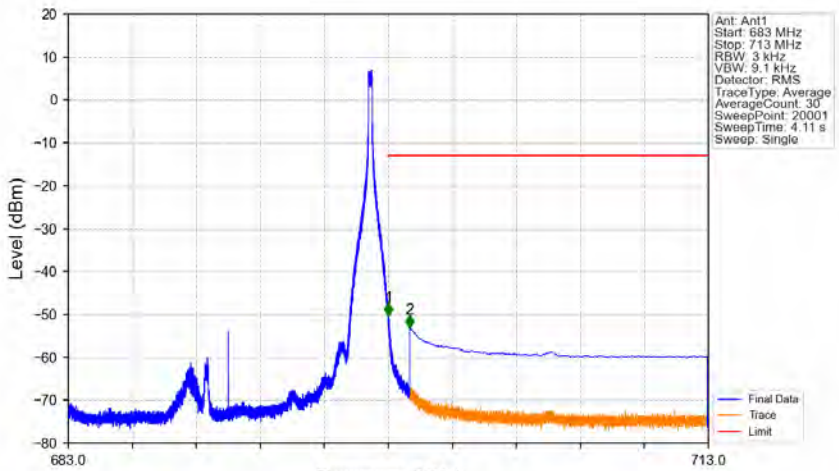

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.006	-50.33	-13	Pass
699	713	0.1	CHP	2	699.000	-53.18	-13	Pass

Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

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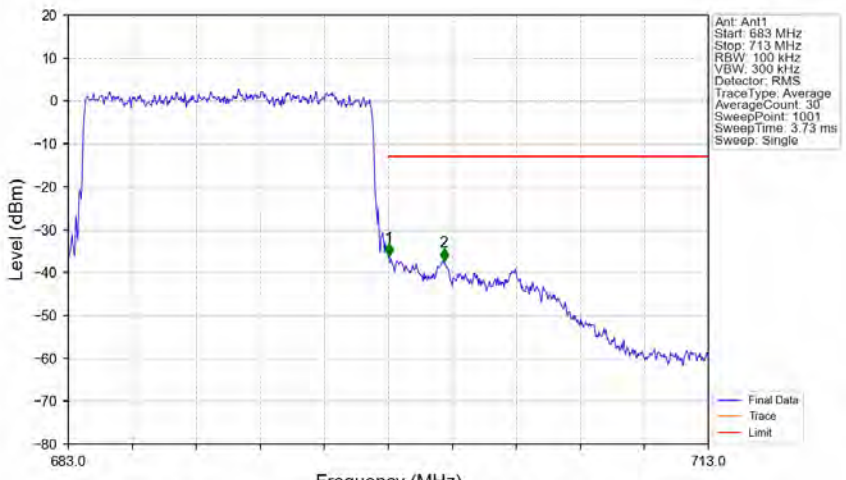

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.148	/	/	/	/	/	/
698	699	0.148	/	1	698.030	-36.24	-13	Pass
699	713	0.1	/	2	700.610	-37.44	-13	Pass

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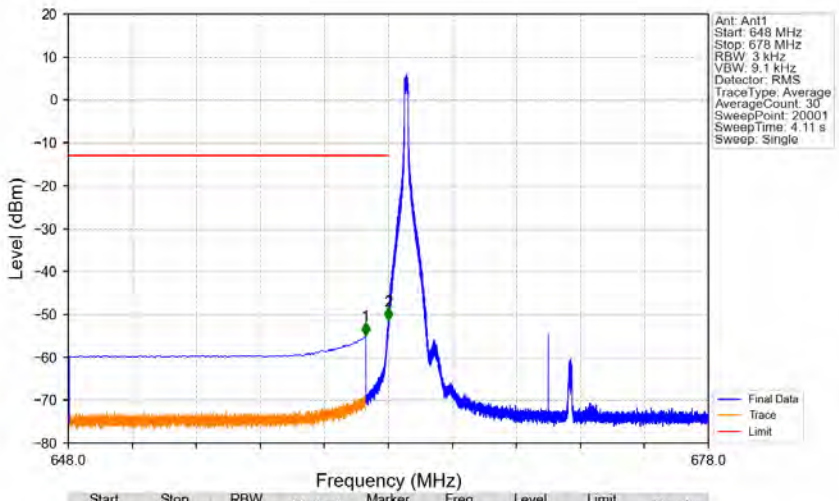
Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.938	-54.89	-13	Pass
662	663	0.003	/	2	662.997	-51.40	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV

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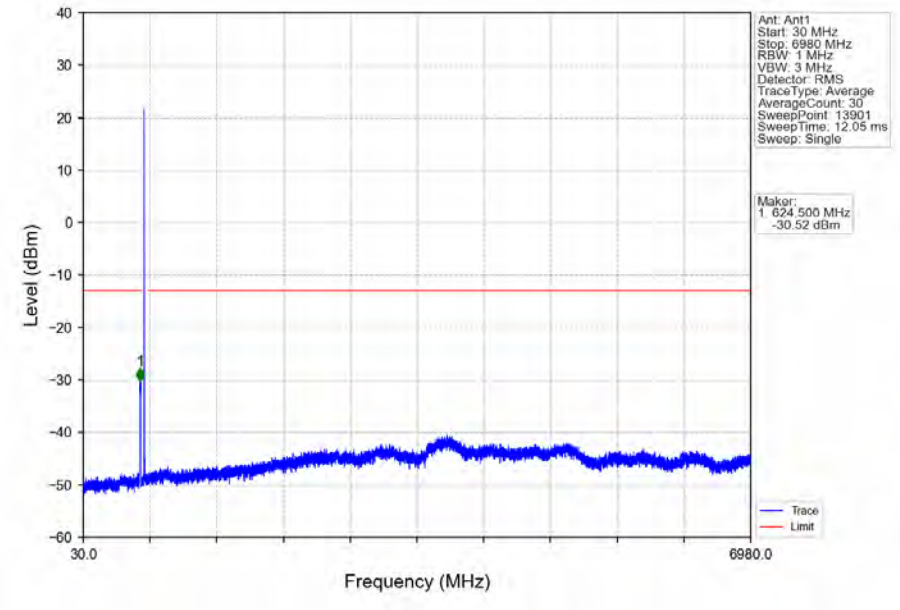

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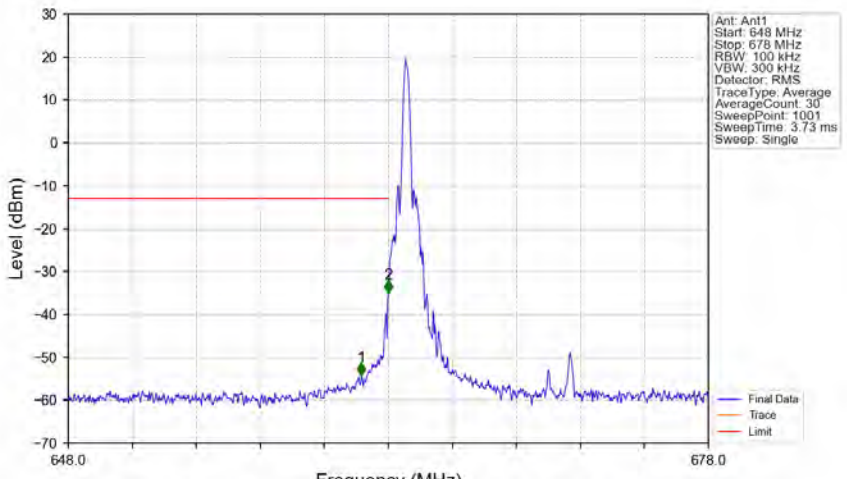

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.740	-54.37	-13	Pass
662	663	0.149	/	2	663.000	-35.03	-13	Pass
663	678	0.149	/	/	/	/	/	/

Band71_15MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV

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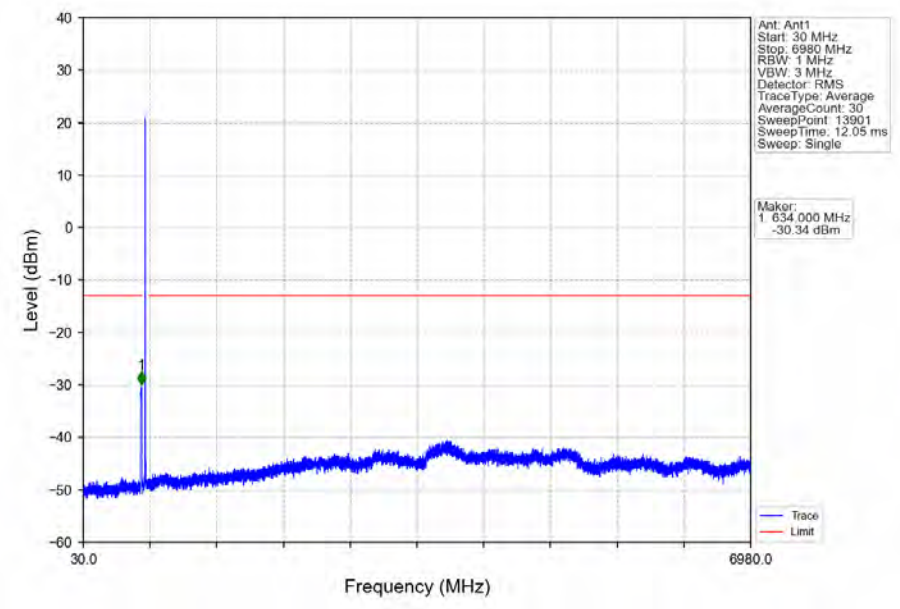

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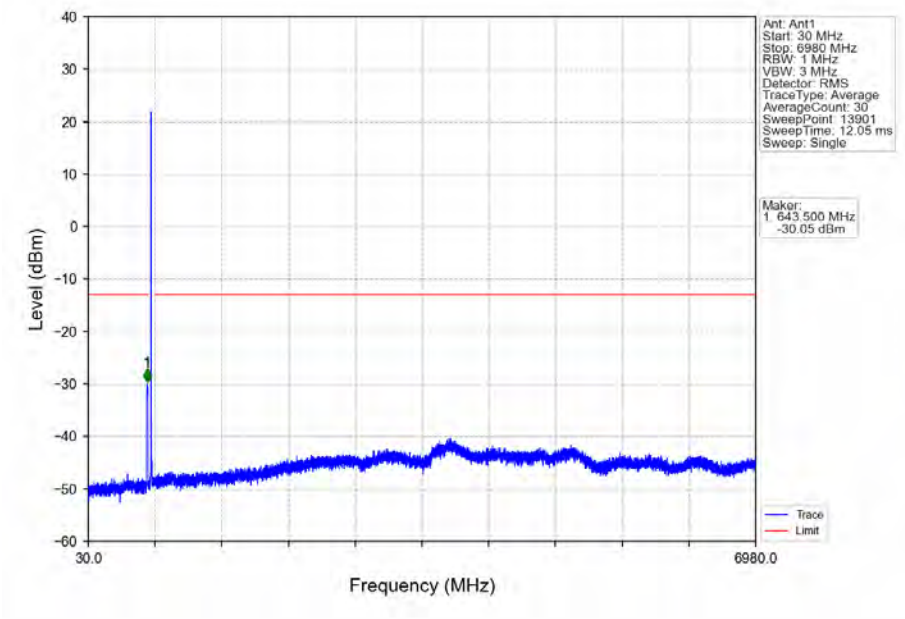

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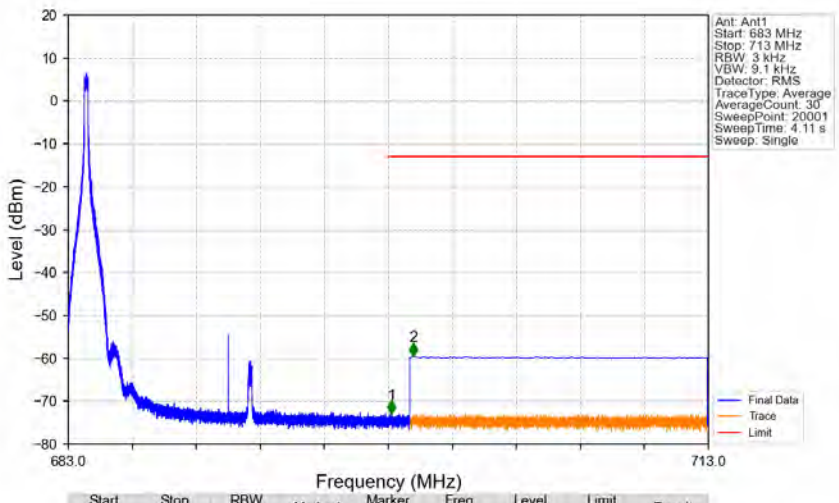

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.158	-72.97	-13	Pass
699	713	0.1	CHP	2	699.172	-59.47	-13	Pass

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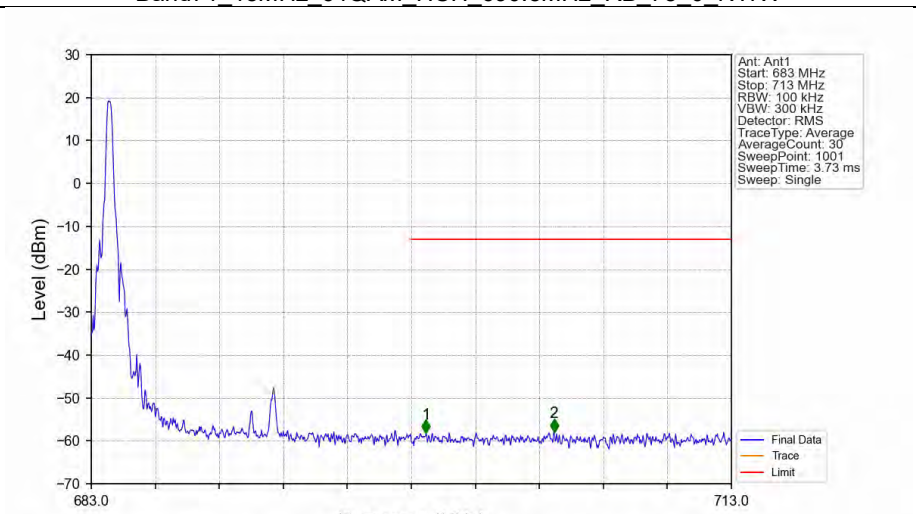

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.149	/	/	/	/	/	/
698	699	0.149	/	1	698.690	-58.13	-13	Pass
699	713	0.1	/	2	704.690	-57.92	-13	Pass

Band71_15MHz_256QAM_LCH_670.5MHz_RB_1_0_NTNV

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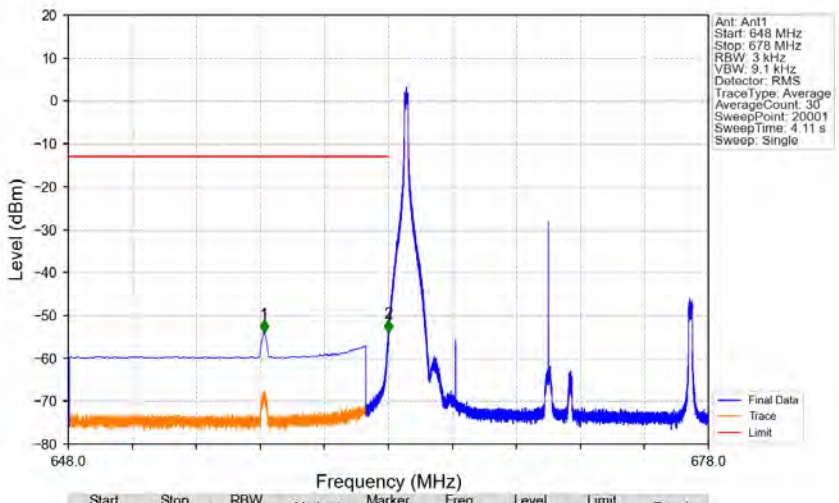

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	657.182	-54.15	-13	Pass
662	663	0.003	/	2	662.992	-53.99	-13	Pass
663	678	0.003	/	/	/	/	/	/

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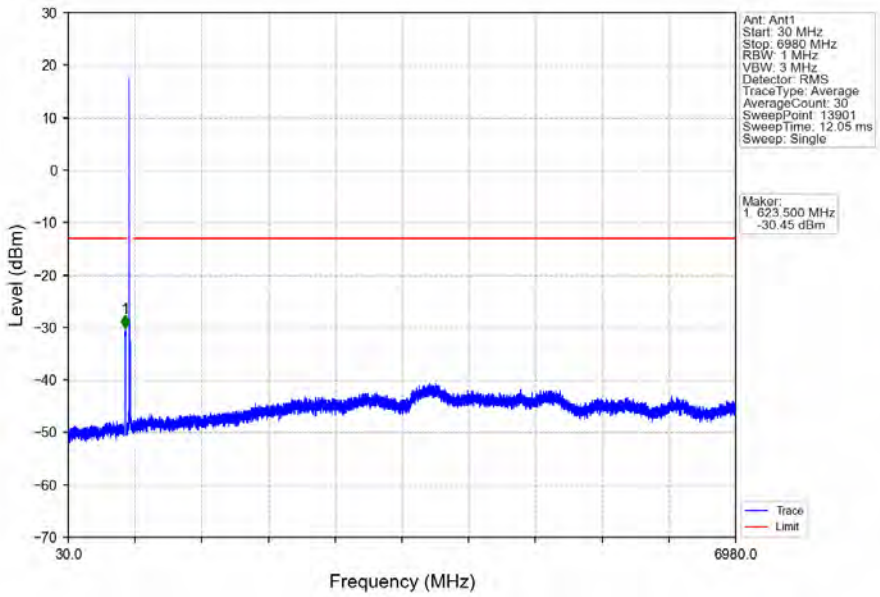

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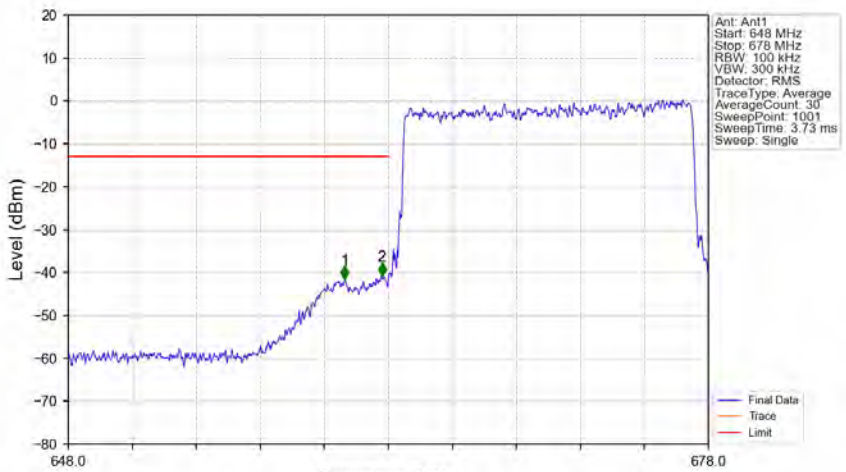

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	660.960	-41.59	-13	Pass
662	663	0.15	/	2	662.700	-40.77	-13	Pass
663	678	0.15	/	/	/	/	/	/

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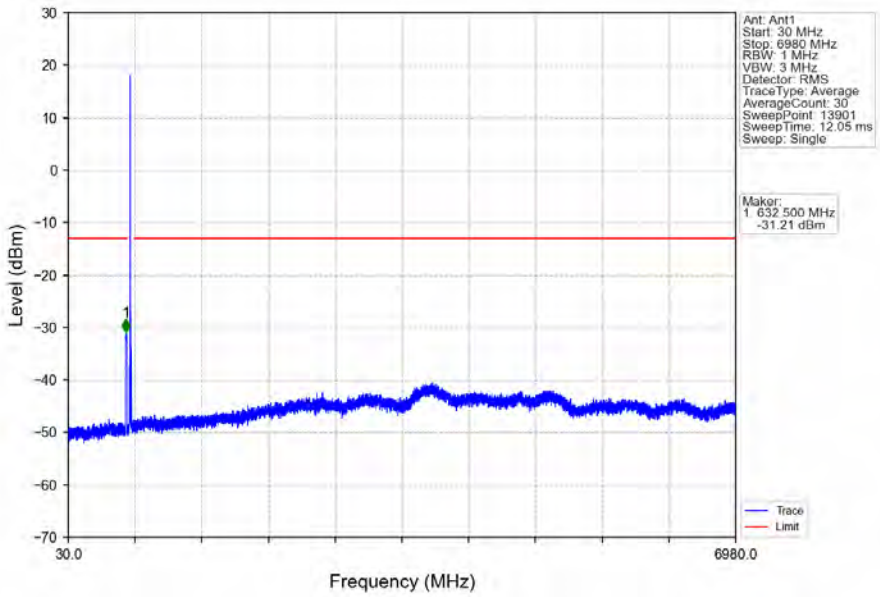
Band71_15MHz_256QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_256QAM_HCH_690.5MHz_RB_1_0_NTNV

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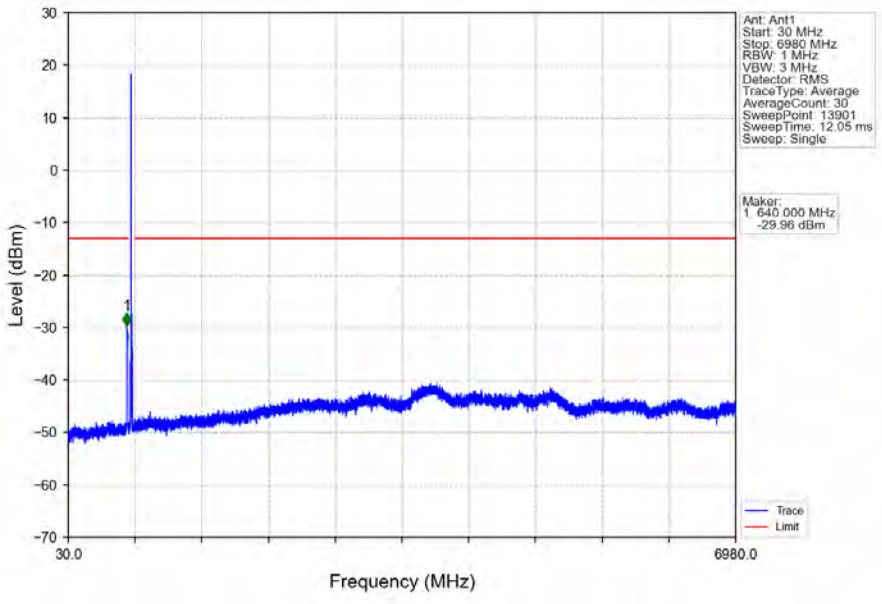

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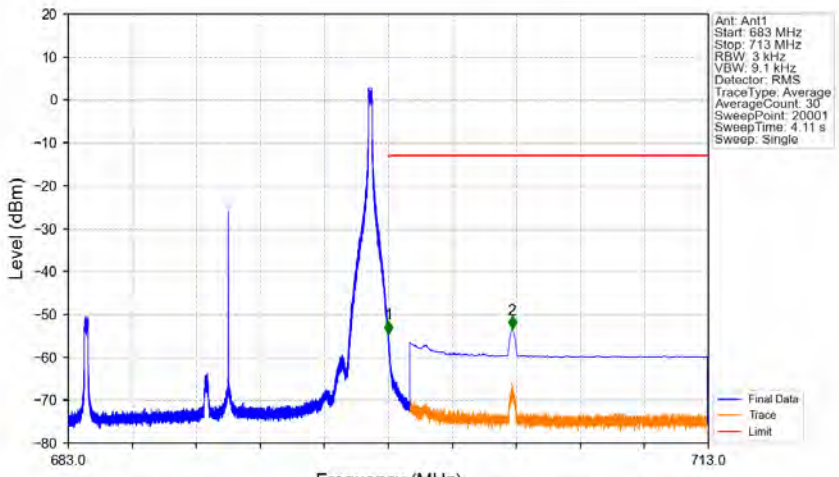
Band71_15MHz_256QAM_HCH_690.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.008	-54.53	-13	Pass
699	713	0.1	CHP	2	703.803	-53.36	-13	Pass

Band71_15MHz_256QAM_HCH_690.5MHz_RB_75_0_NTNV

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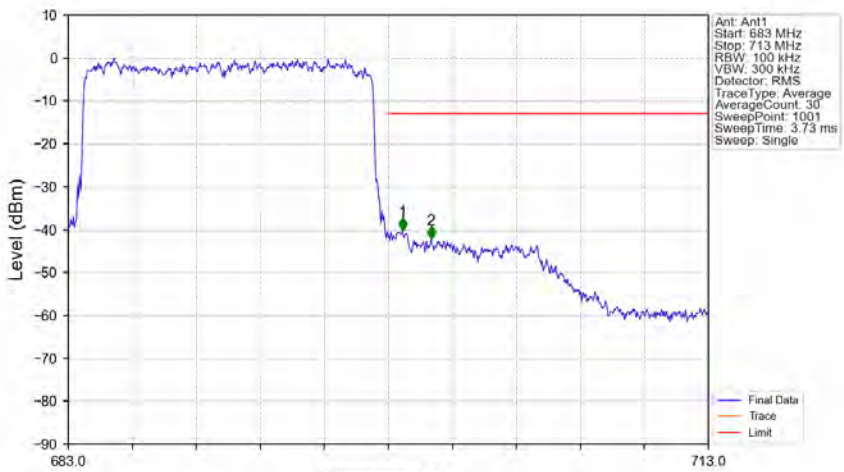

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.148	/	/	/	/	/	/
698	699	0.148	/	1	698.660	-40.34	-13	Pass
699	713	0.1	/	2	700.010	-42.20	-13	Pass

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5.4 B71_20MHz

5.4.1 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
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	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
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	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
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
256QAM	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

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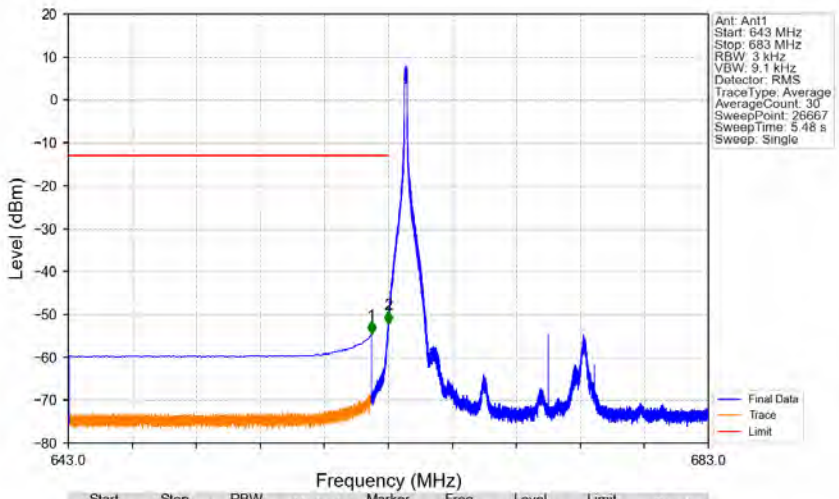
5.4.2 Test Graph

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.950	-54.63	-13	Pass
662	663	0.003	/	2	662.997	-52.24	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

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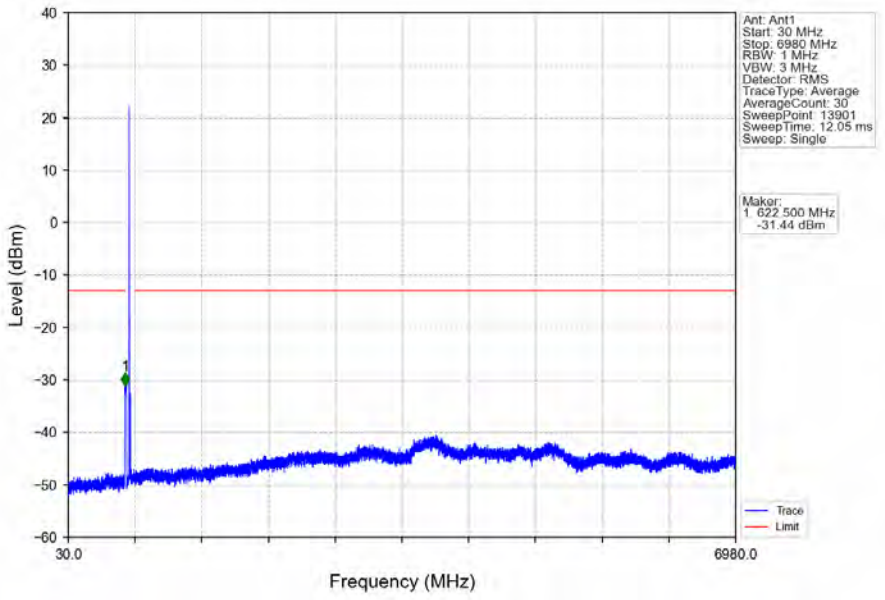

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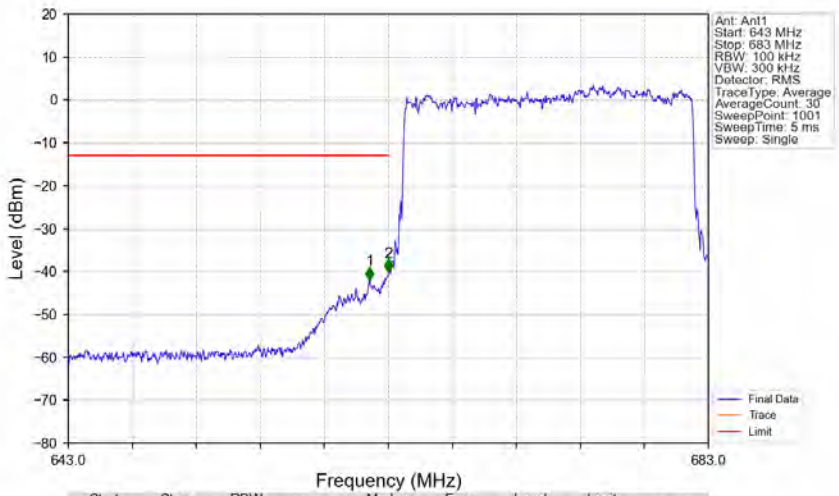
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.840	-42.02	-13	Pass
662	663	0.196	/	2	663.000	-40.17	-13	Pass
663	683	0.196	/	/	/	/	/	/

Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV

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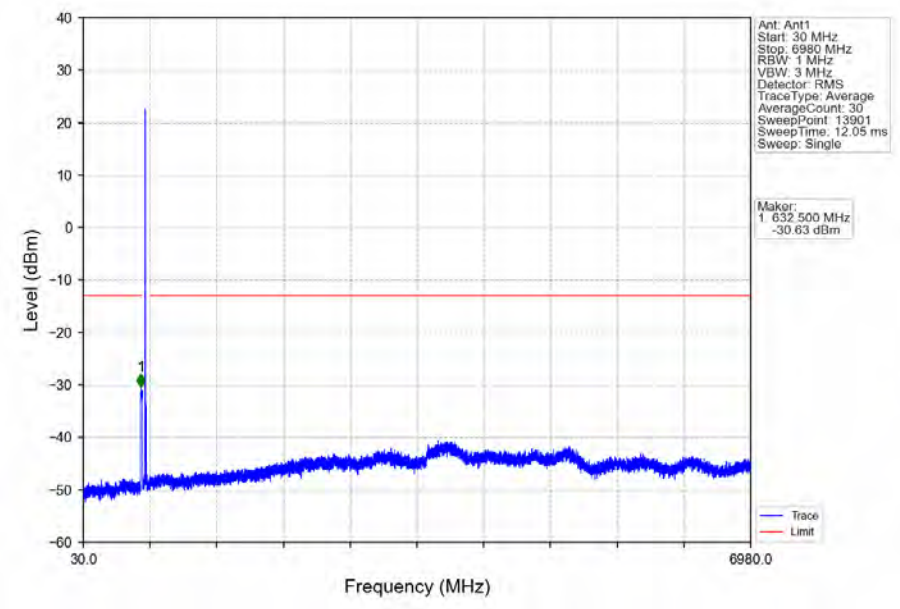

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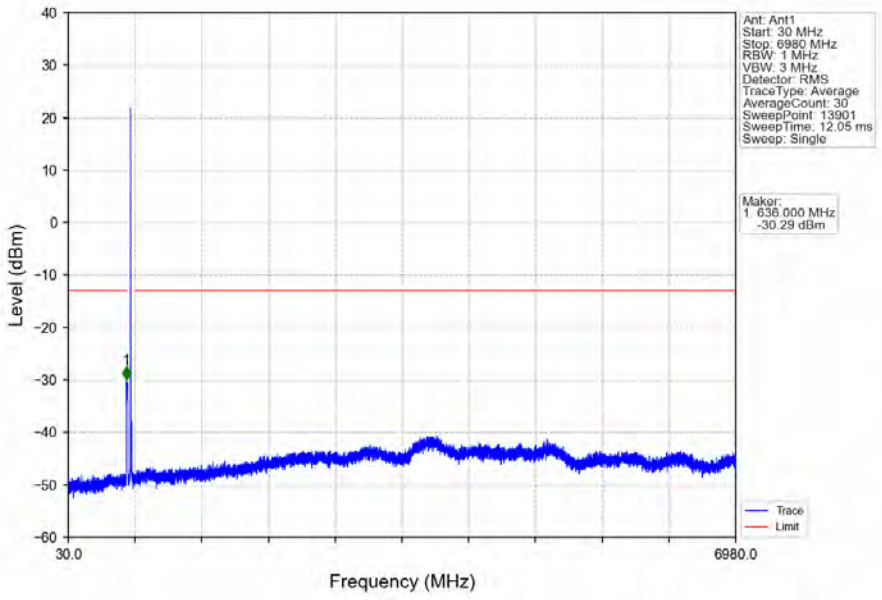
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



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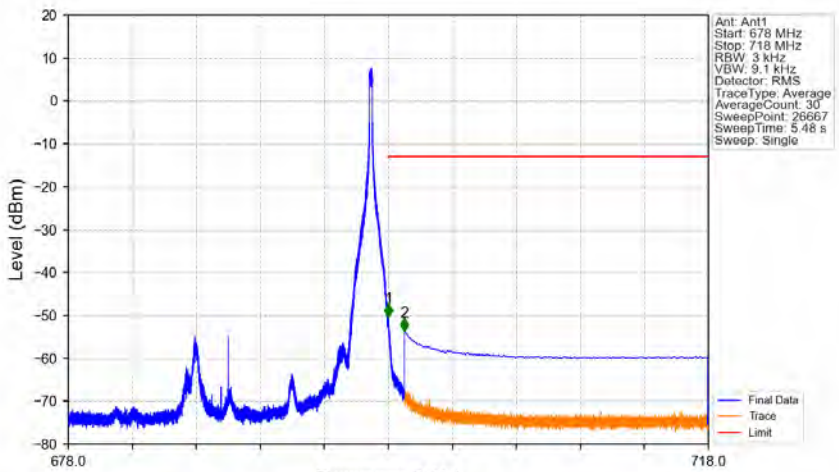

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.006	-50.44	-13	Pass
699	718	0.1	CHP	2	699.004	-53.67	-13	Pass

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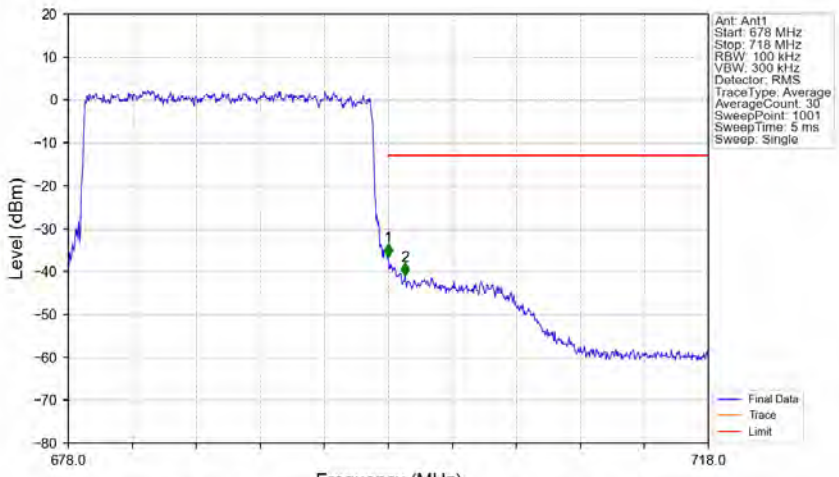

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.198	/	/	/	/	/	/
698	699	0.198	/	1	698.000	-36.55	-13	Pass
699	718	0.1	/	2	699.040	-40.97	-13	Pass

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

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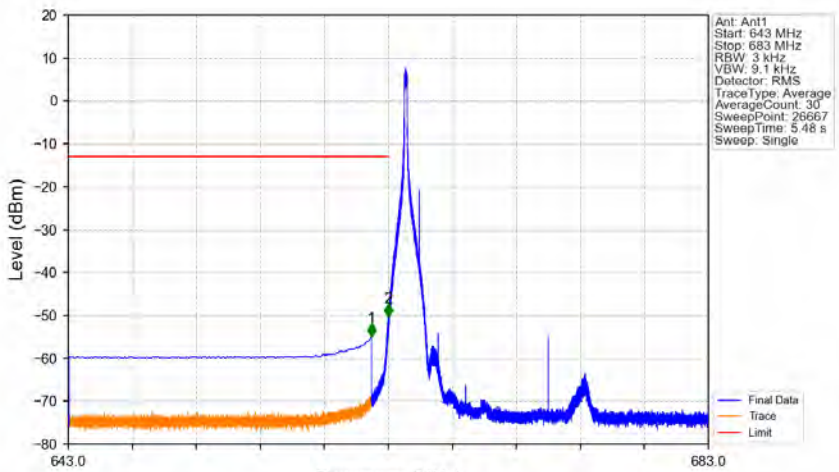

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.948	-54.91	-13	Pass
662	663	0.003	/	2	662.994	-50.43	-13	Pass
663	683	0.003	/	/	/	/	/	/

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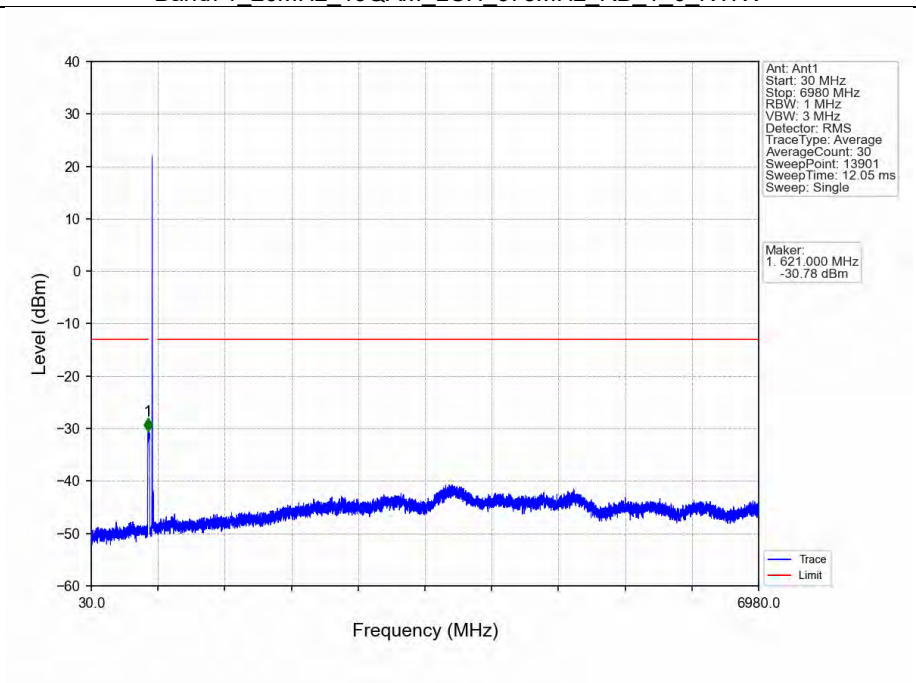
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



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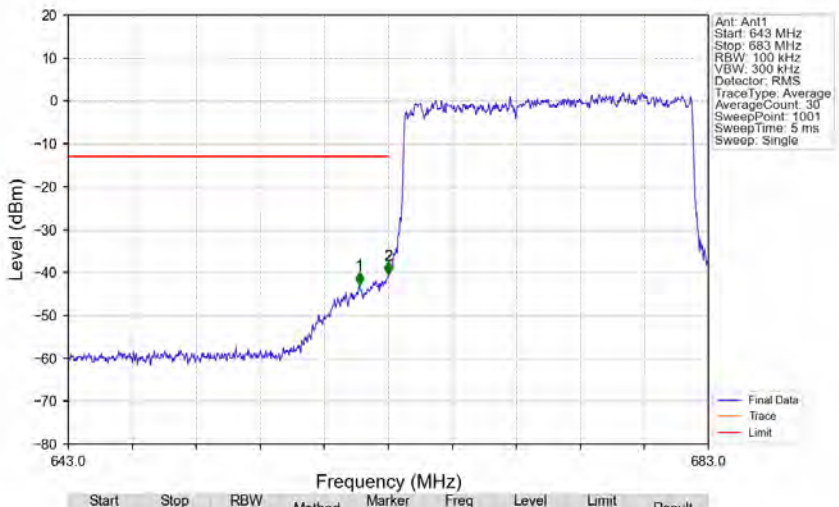

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.200	-42.89	-13	Pass
662	663	0.197	/	2	663.000	-40.52	-13	Pass
663	683	0.197	/	/	/	/	/	/

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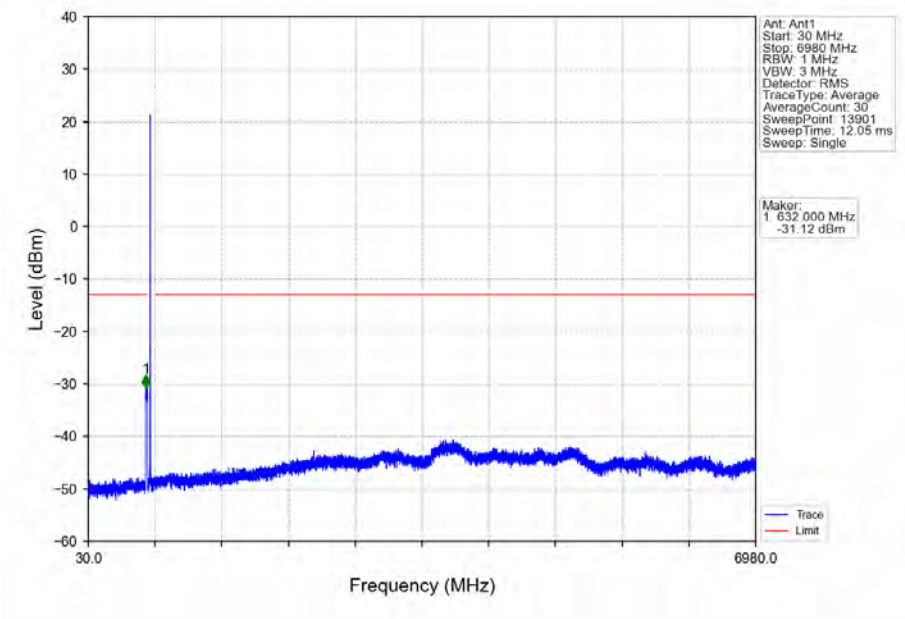
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV

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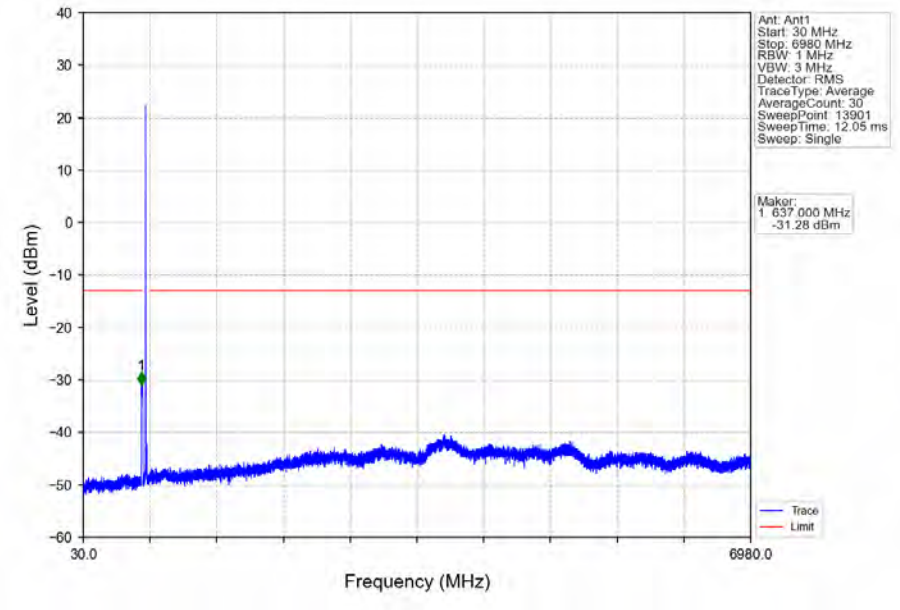

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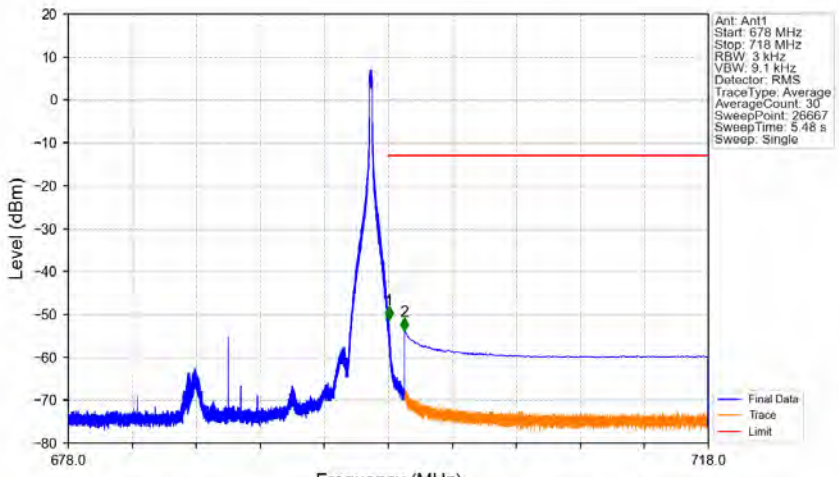
Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.033	-51.17	-13	Pass
699	718	0.1	CHP	2	699.010	-53.83	-13	Pass

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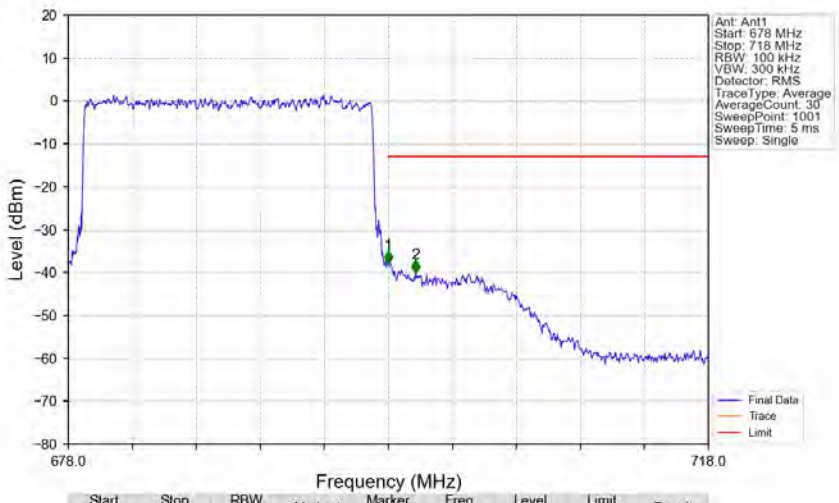

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.198	/	/	/	/	/	/
698	699	0.198	/	1	698.000	-38.03	-13	Pass
699	718	0.1	/	2	699.720	-40.15	-13	Pass

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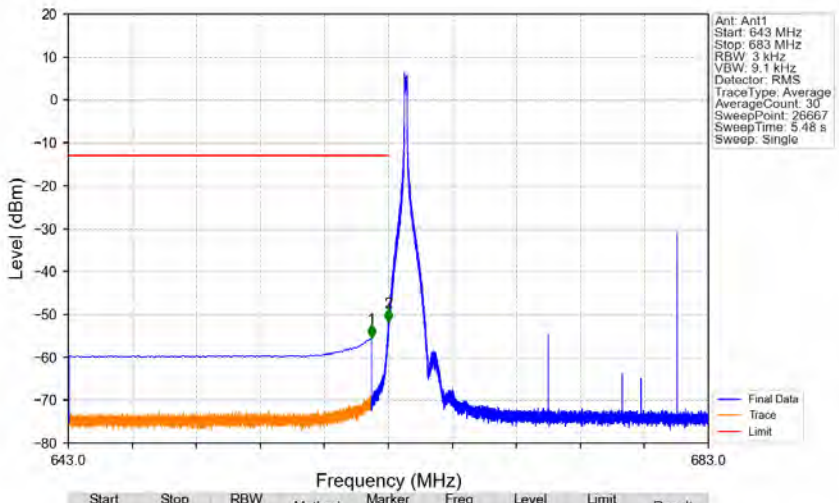
Band71_20MHz_64QAM_LCH_673MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.945	-55.54	-13	Pass
662	663	0.003	/	2	662.995	-51.85	-13	Pass
663	683	0.003	/	/	/	/	/	/

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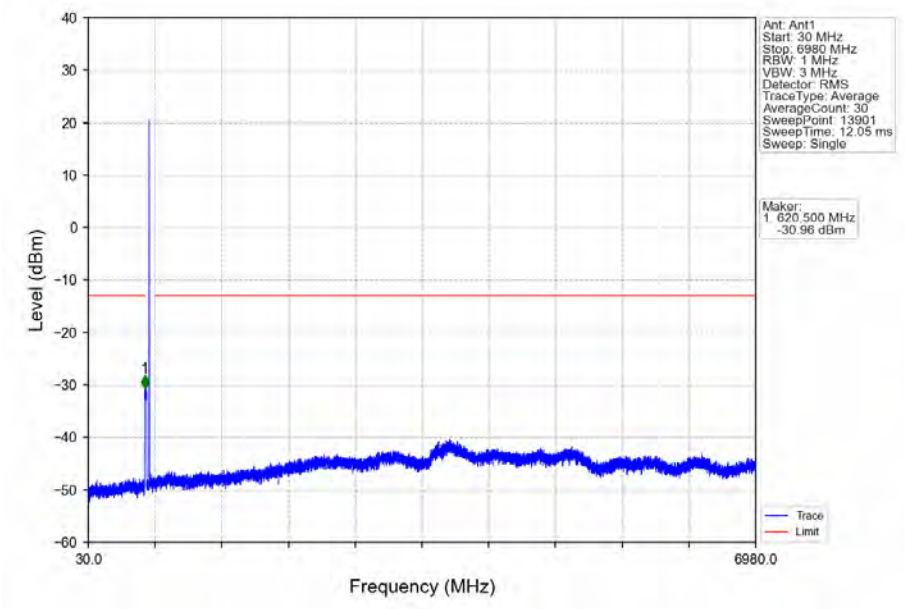

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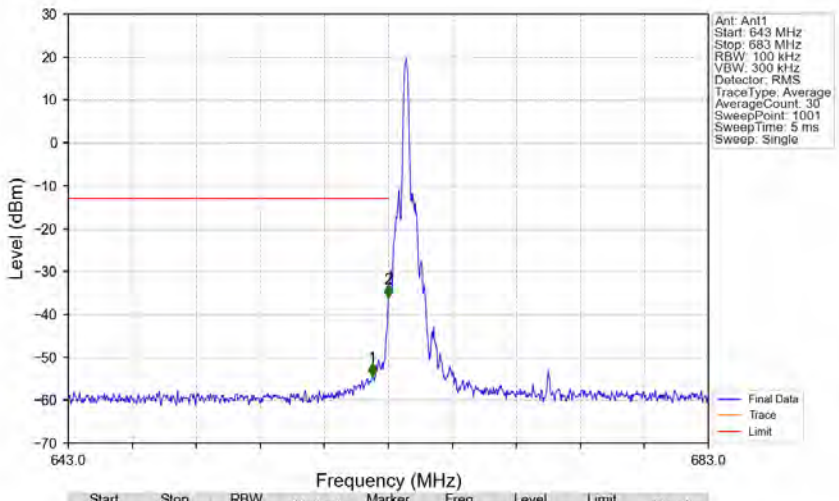

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	662.000	-54.48	-13	Pass
662	663	0.197	/	2	663.000	-36.14	-13	Pass
663	683	0.197	/	/	/	/	/	/

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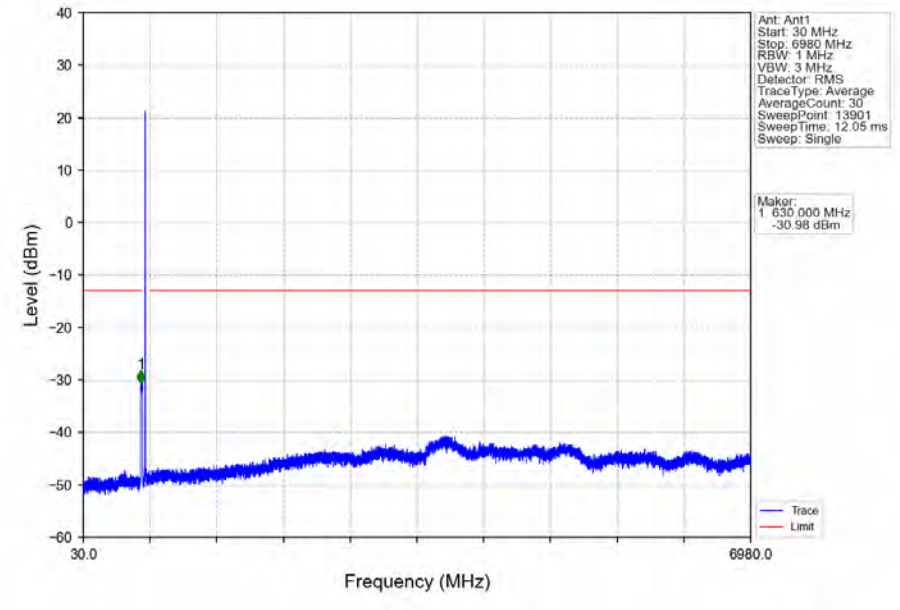

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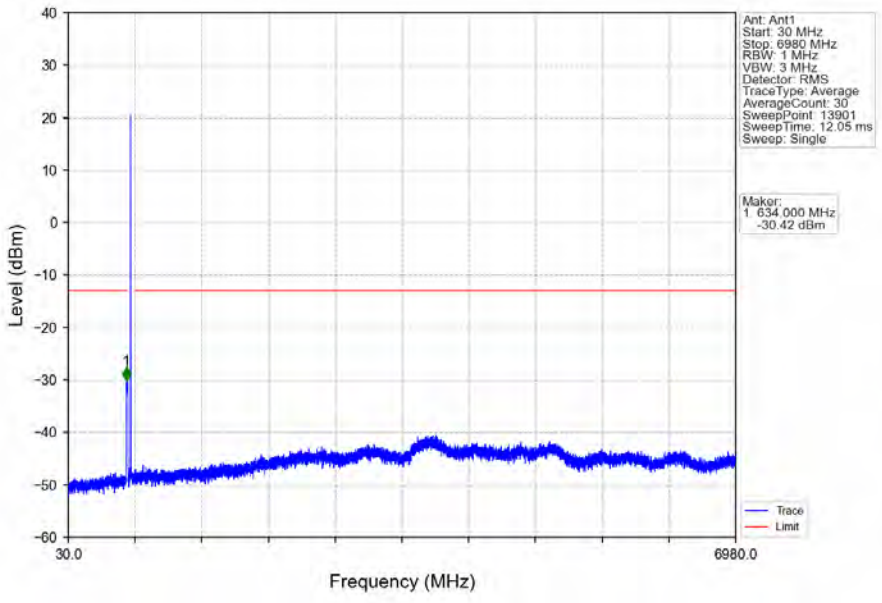

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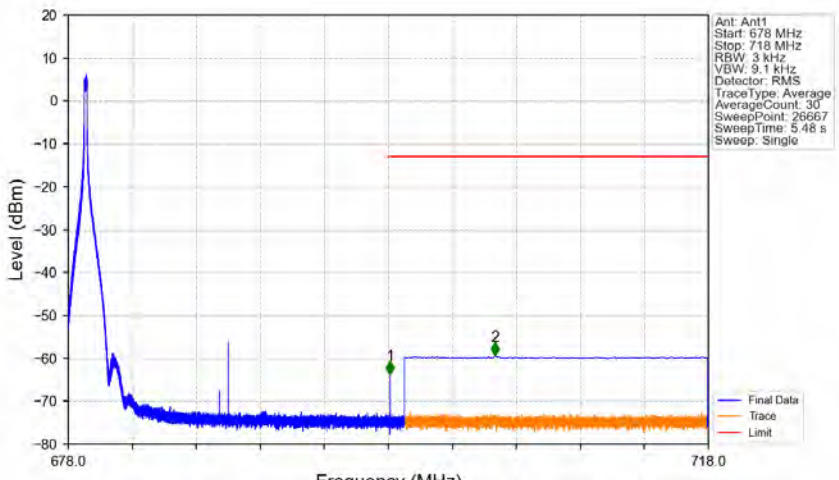

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.117	-63.82	-13	Pass
699	718	0.1	CHP	2	704.684	-59.35	-13	Pass

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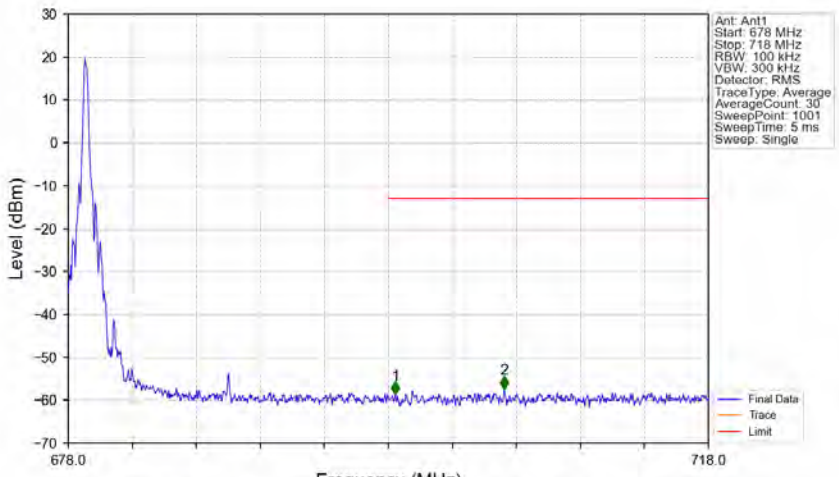
Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.197	/	/	/	/	/	/
698	699	0.197	/	1	698.440	-58.71	-13	Pass
699	718	0.1	/	2	705.240	-57.41	-13	Pass

Band71_20MHz_256QAM_LCH_673MHz_RB_1_0_NTNV

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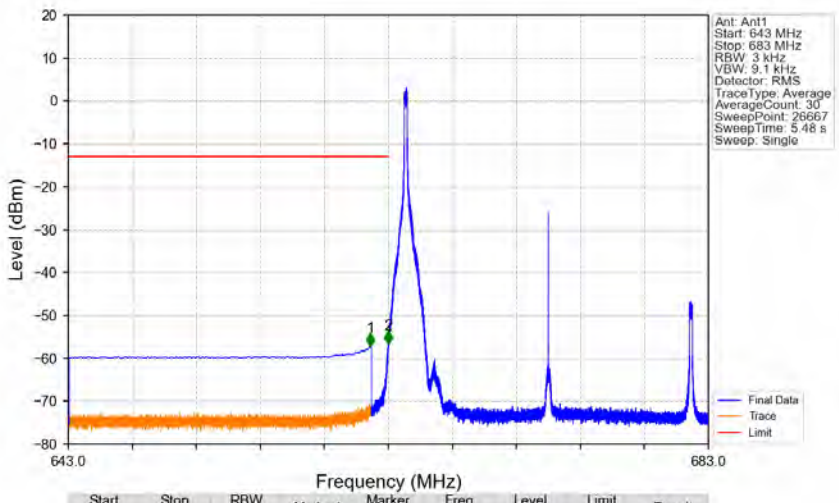

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.870	-57.24	-13	Pass
662	663	0.003	/	2	662.994	-56.80	-13	Pass
663	683	0.003	/	/	/	/	/	/

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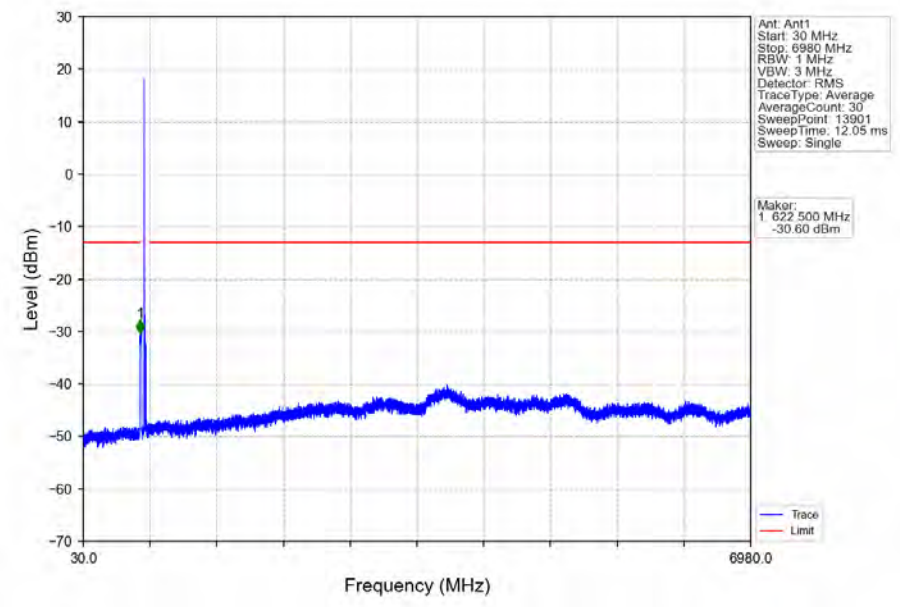

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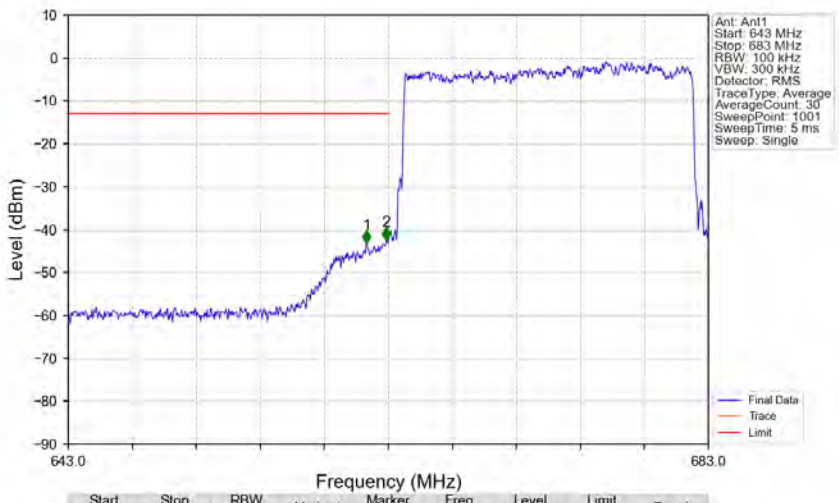

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.640	-43.31	-13	Pass
662	663	0.197	/	2	662.880	-42.59	-13	Pass
663	683	0.197	/	/	/	/	/	/

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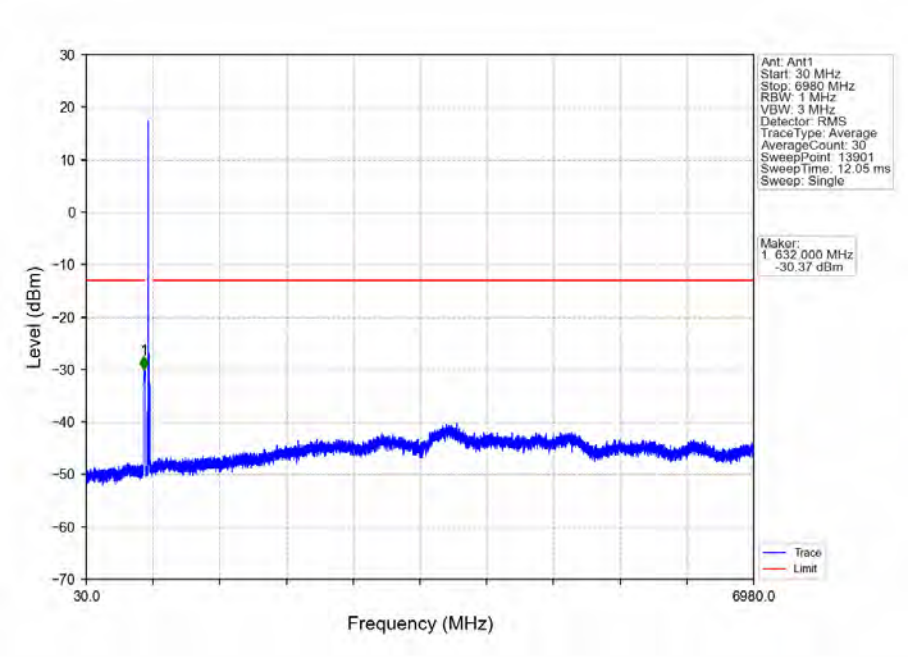

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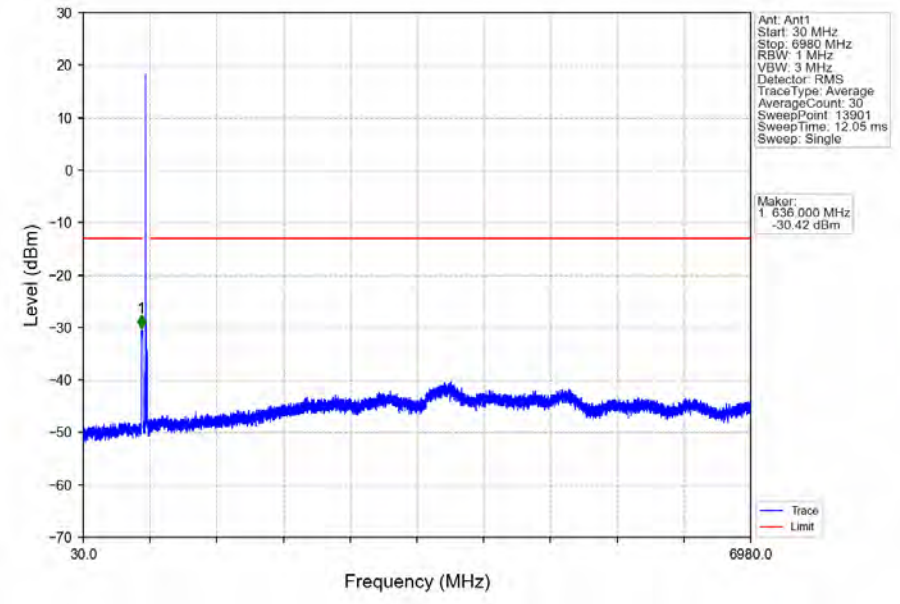

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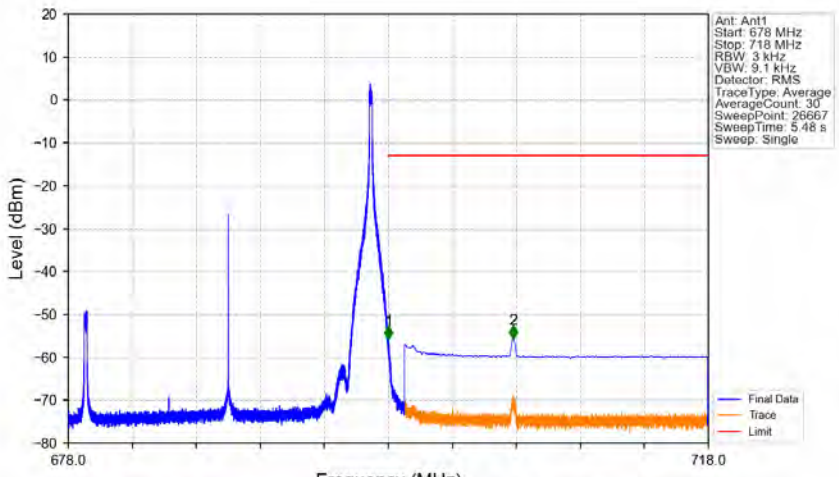

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.005	-55.82	-13	Pass
699	718	0.1	CHP	2	705.809	-55.68	-13	Pass

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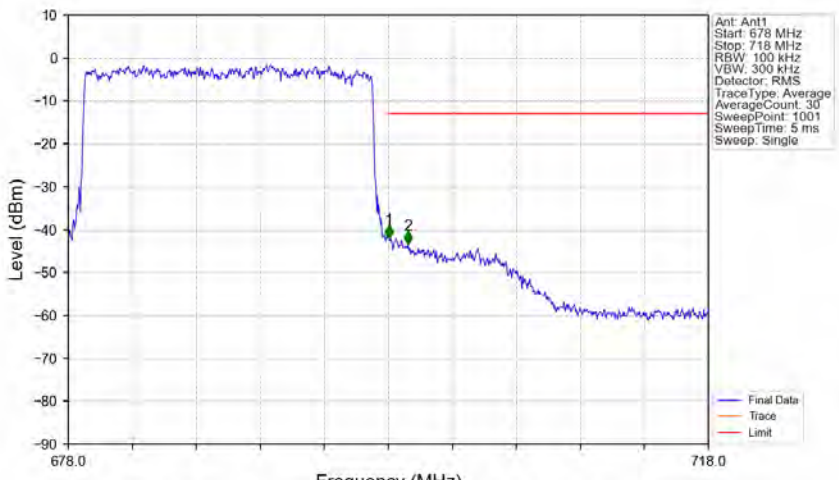

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.198	/	/	/	/	/	/
698	699	0.198	/	1	698.040	-42.02	-13	Pass
699	718	0.1	/	2	699.240	-43.49	-13	Pass

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6. Field Strength of Spurious Radiation

LTE Band 71-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1328	-61.54	-13	-48.54	-62.61	1.64	2.71	Horizontal	Pass
1992	-60.13	-13	-47.13	-64.005	2	5.88	Horizontal	Pass
2656	-58.18	-13	-45.18	-61.335	2.66	5.82	Horizontal	Pass
1328	-59.84	-13	-46.84	-60.91	1.64	2.71	Vertical	Pass
1992	-61.61	-13	-48.61	-65.485	2	5.88	Vertical	Pass
2656	-57.86	-13	-44.86	-61.015	2.66	5.82	Vertical	Pass

LTE Band 71-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1348	-65.27	-13	-52.27	-66.34	1.64	2.71	Horizontal	Pass
2022	-61.41	-13	-48.41	-63.68	2.35	4.62	Horizontal	Pass
2696	-57.29	-13	-44.29	-60.445	2.66	5.82	Horizontal	Pass
1348	-62.83	-13	-49.83	-63.9	1.64	2.71	Vertical	Pass
2022	-61.01	-13	-48.01	-63.28	2.35	4.62	Vertical	Pass
2696	-57.54	-13	-44.54	-60.695	2.66	5.82	Vertical	Pass

LTE Band 71-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1358	-61.64	-13	-48.64	-62.71	1.64	2.71	Horizontal	Pass
2037	-60.71	-13	-47.71	-62.98	2.35	4.62	Horizontal	Pass
2716	-57.88	-13	-44.88	-61.035	2.66	5.82	Horizontal	Pass
1358	-59.48	-13	-46.48	-60.55	1.64	2.71	Vertical	Pass
2037	-61.19	-13	-48.19	-63.46	2.35	4.62	Vertical	Pass
2716	-56.88	-13	-43.88	-60.035	2.66	5.82	Vertical	Pass

---End of Attachment---

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