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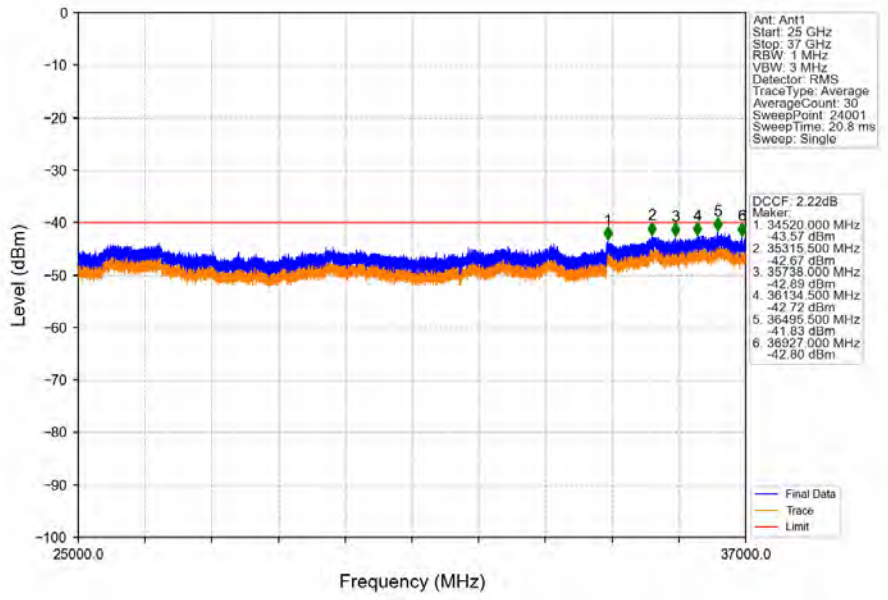

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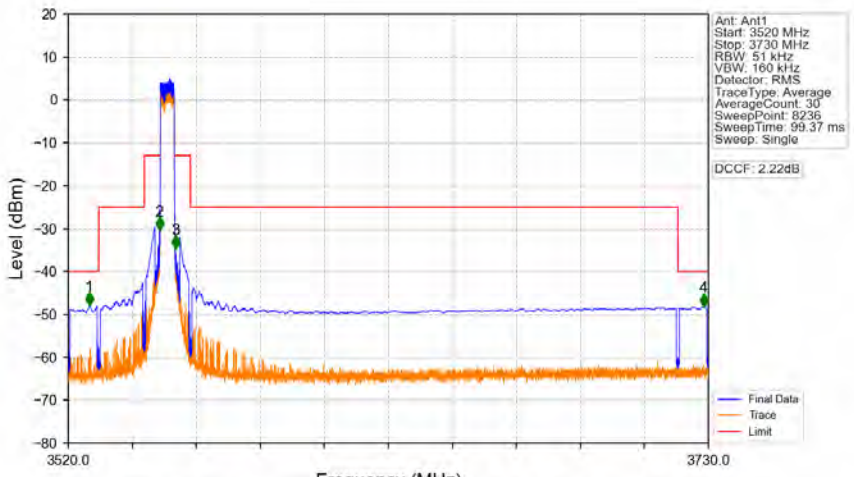
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.945	1	CHP	1	3526.911	-47.98	-40	Pass
3548.945	3549.945	0.051	/	2	3549.938	-30.43	-13	Pass
3549.945	3555.056	0.051	/	/	/	/	/	/
3555.056	3556.056	0.051	/	3	3555.140	-34.65	-13	Pass
3556.056	3730	1	CHP	4	3728.521	-48.19	-40	Pass

Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

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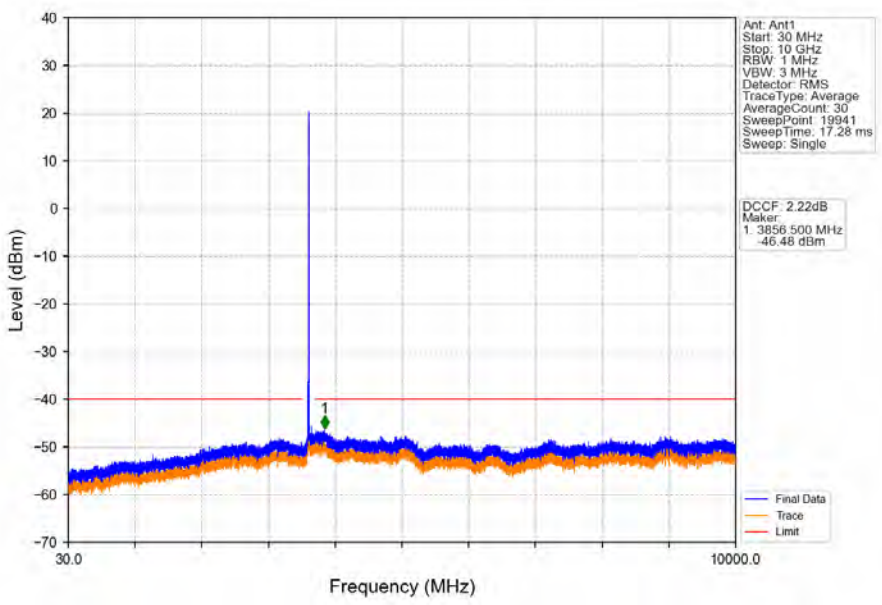

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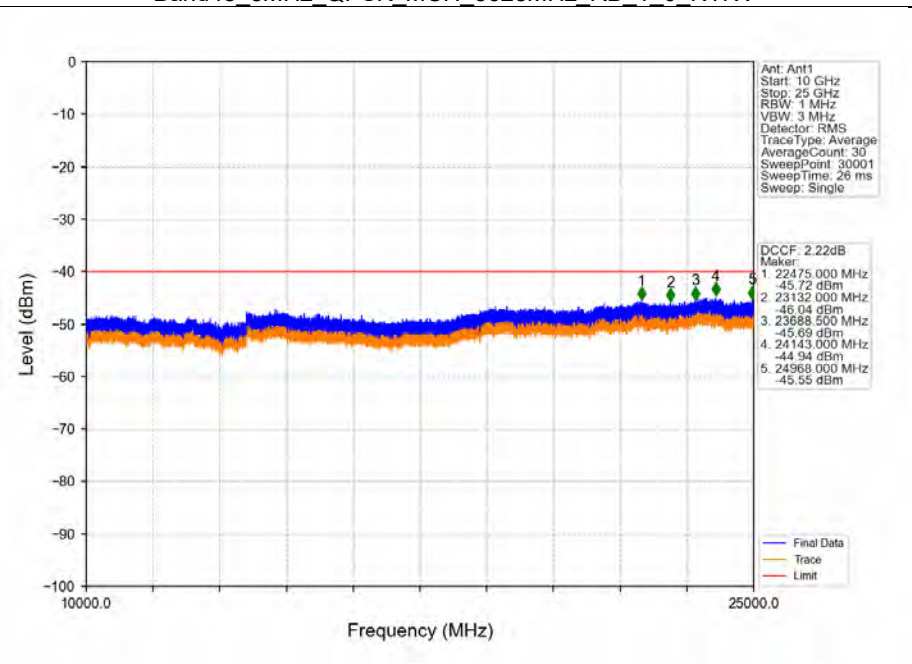

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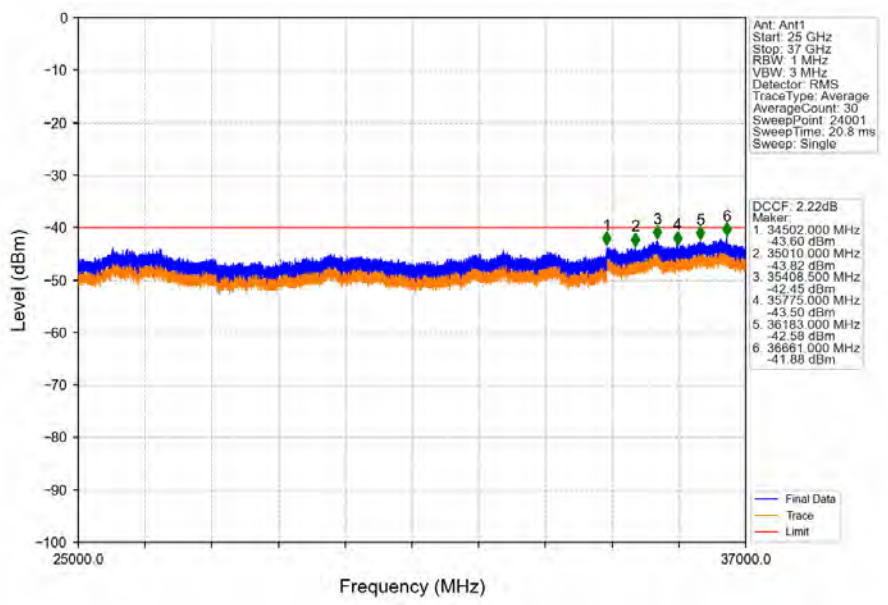

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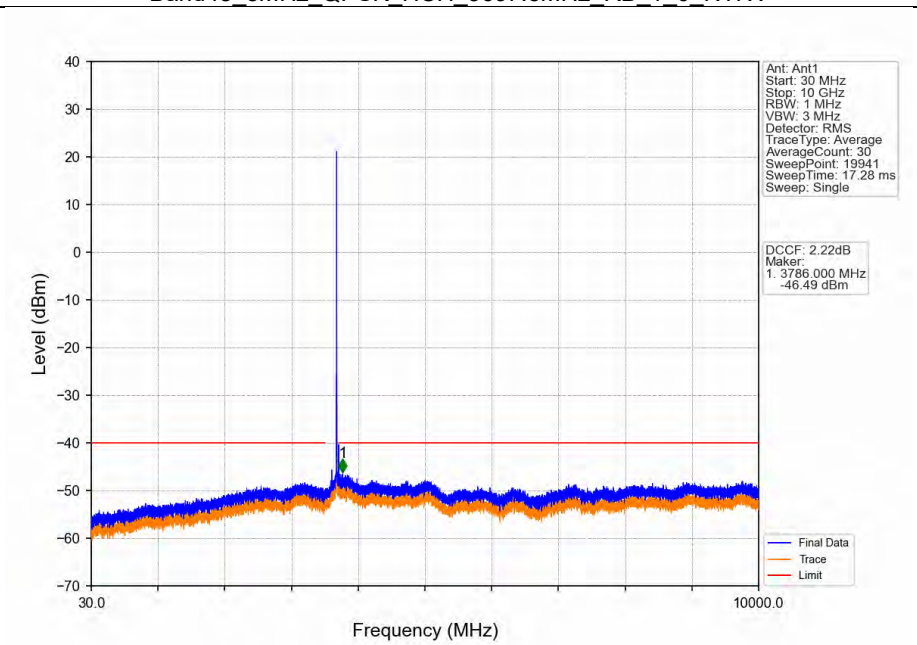
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



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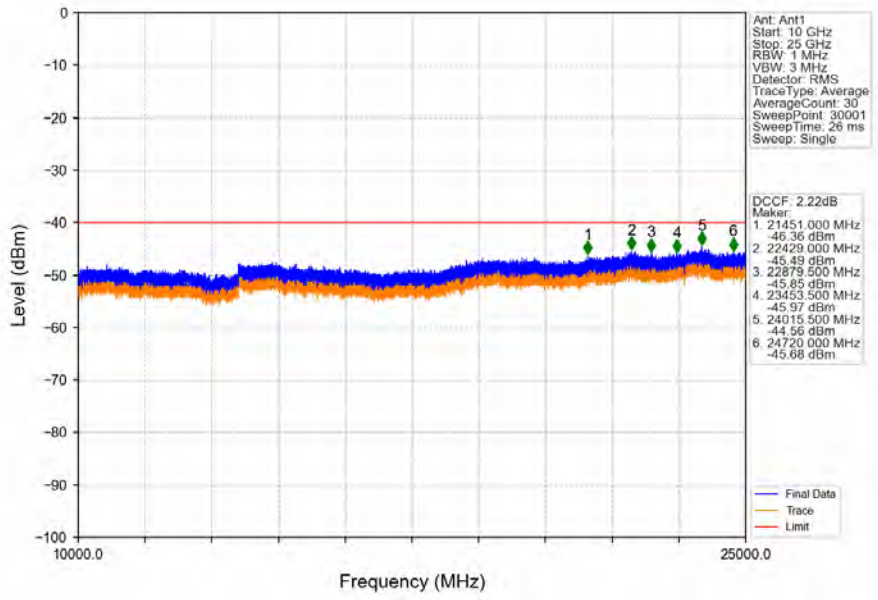

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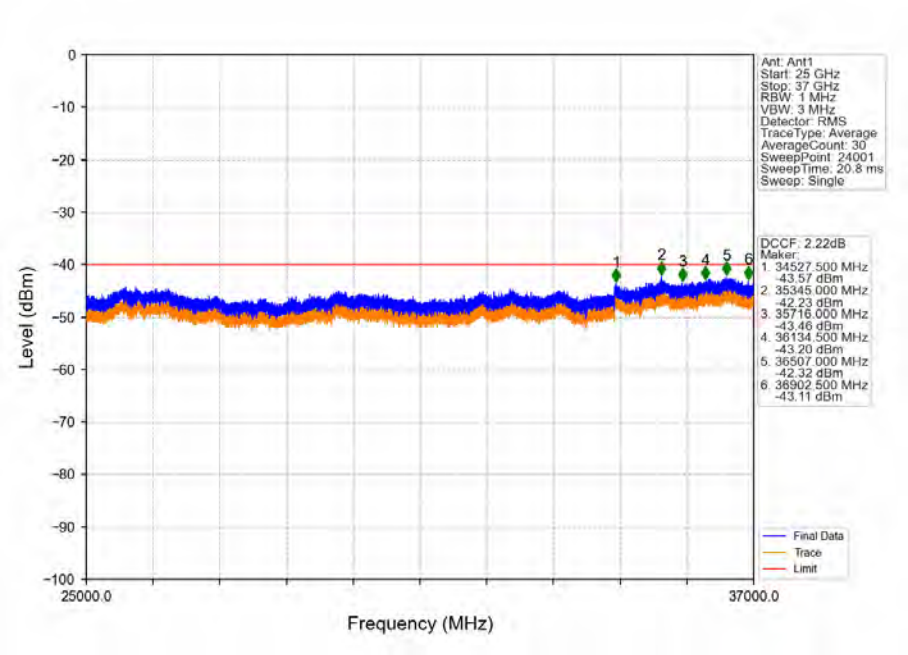

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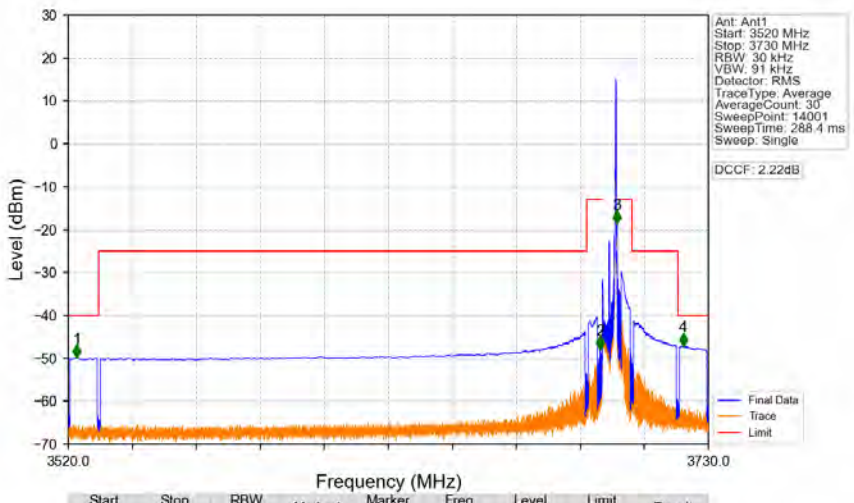

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.09	1	CHP	1	3522.760	-49.96	-40	Pass
3694.09	3695.09	0.03	/	2	3694.480	-48.00	-13	Pass
3695.09	3699.91	0.03	/	/	/	/	/	/
3699.91	3700.91	0.03	/	3	3699.940	-18.67	-13	Pass
3700.91	3730	1	CHP	4	3721.690	-47.19	-40	Pass

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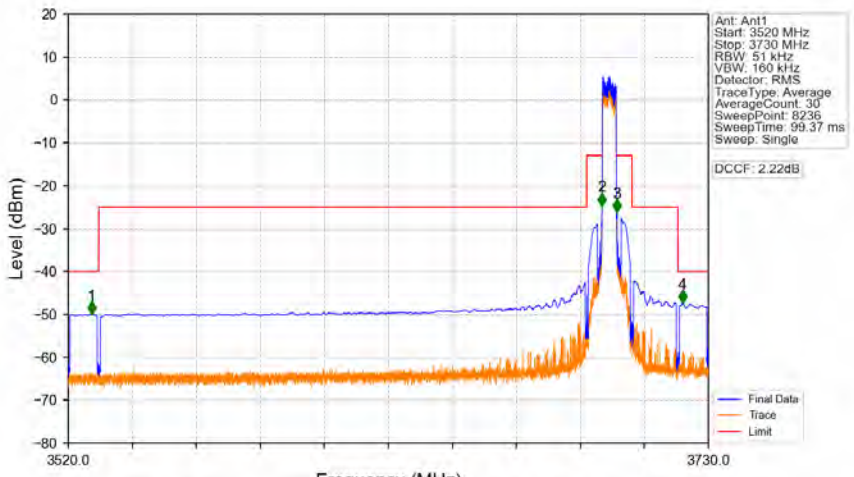

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.09	1	CHP	1	3527.650	-49.99	-40	Pass
3694.09	3695.09	0.051	/	2	3695.089	-24.70	-13	Pass
3695.09	3699.91	0.051	/	/	/	/	/	/
3699.91	3700.91	0.051	/	3	3699.934	-26.28	-13	Pass
3700.91	3730	1	CHP	4	3721.559	-47.45	-40	Pass

Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV

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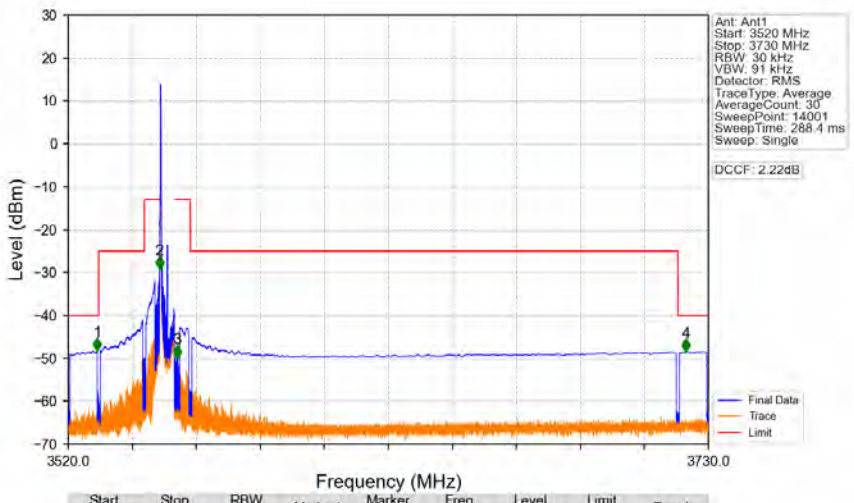

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.951	1	CHP	1	3529.450	-48.33	-40	Pass
3548.951	3549.951	0.03	/	2	3549.940	-29.24	-13	Pass
3549.951	3555.05	0.03	/	/	/	/	/	/
3555.05	3556.05	0.03	/	3	3555.745	-50.00	-13	Pass
3556.05	3730	1	CHP	4	3722.590	-48.43	-40	Pass

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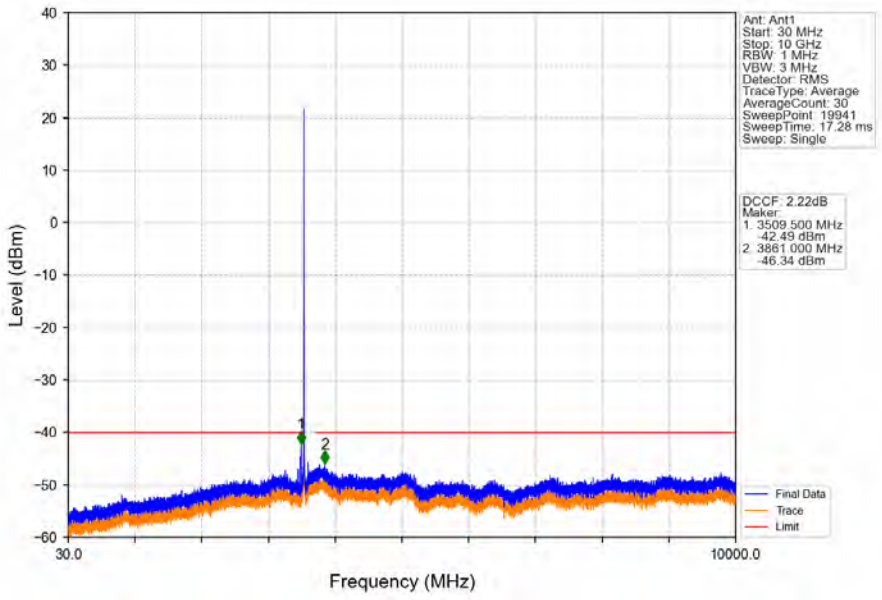

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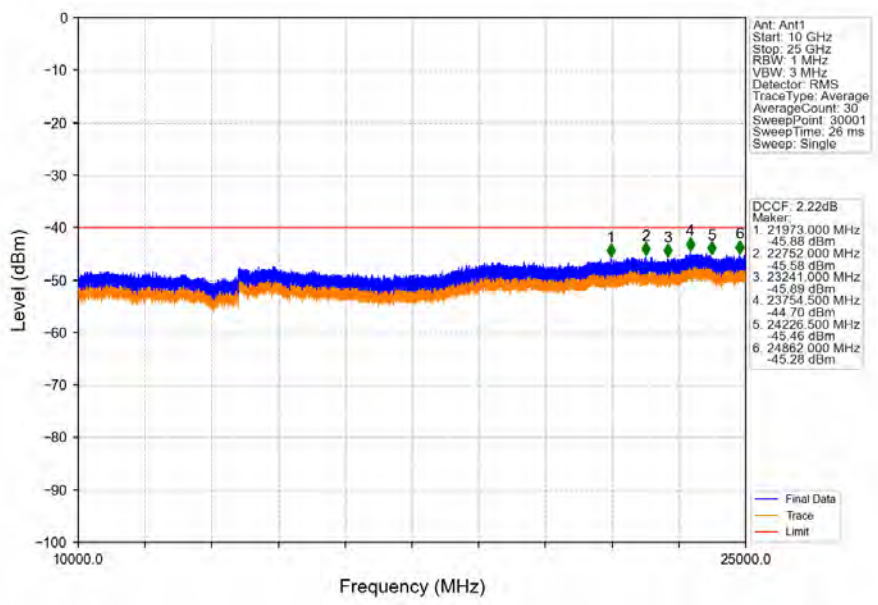

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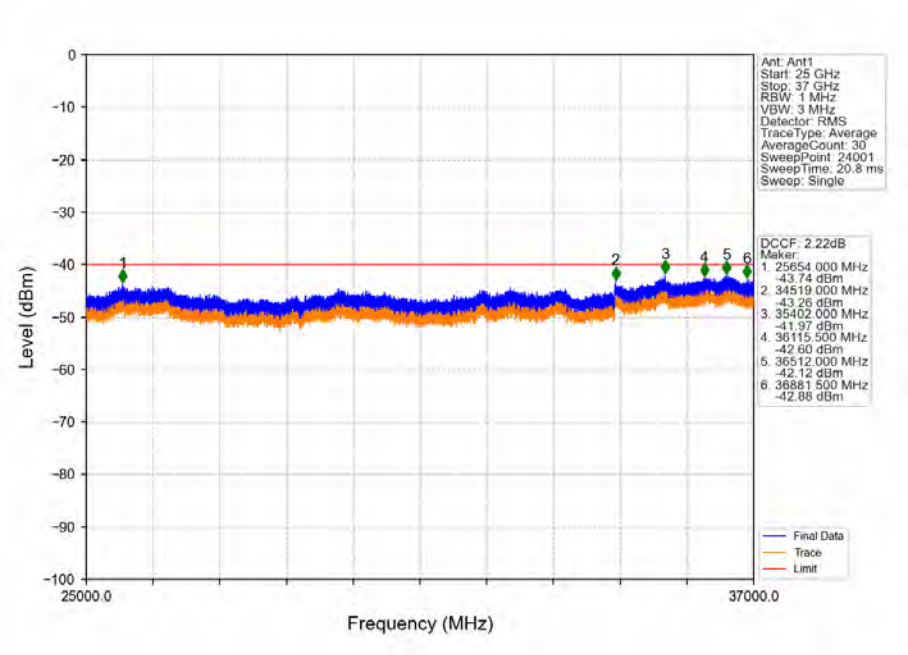
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV

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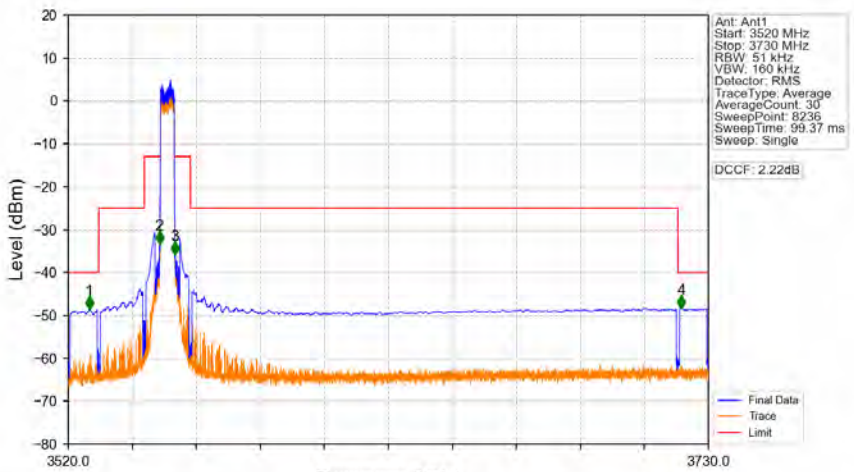

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.951	1	CHP	1	3526.936	-48.61	-40	Pass
3548.951	3549.951	0.051	/	2	3549.913	-33.42	-13	Pass
3549.951	3555.05	0.051	/	/	/	/	/	/
3555.05	3556.05	0.051	/	3	3555.089	-35.94	-13	Pass
3556.05	3730	1	CHP	4	3721.177	-48.44	-40	Pass

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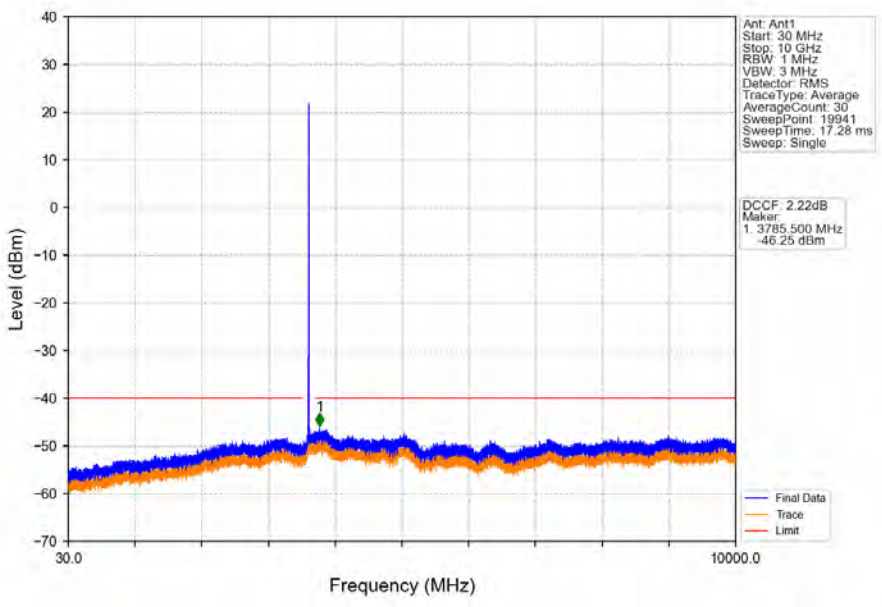

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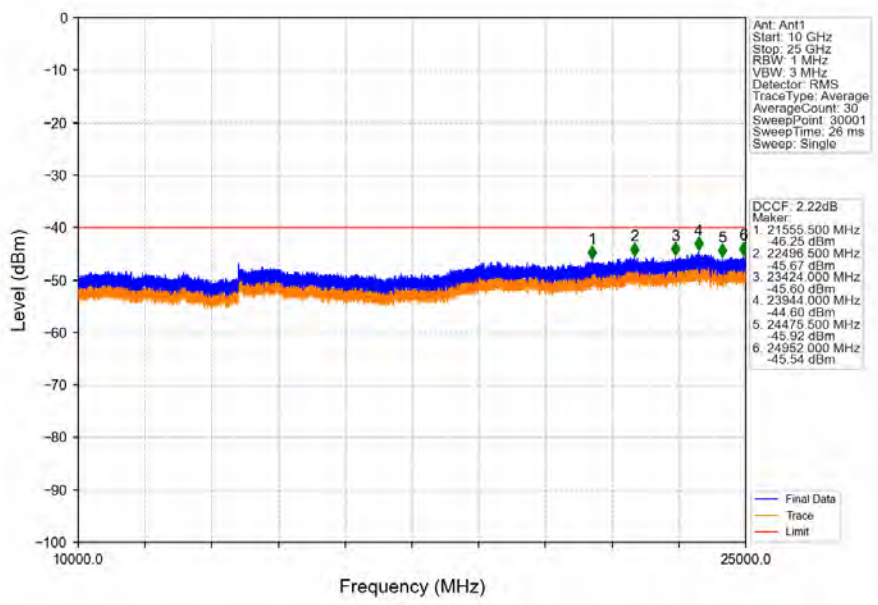

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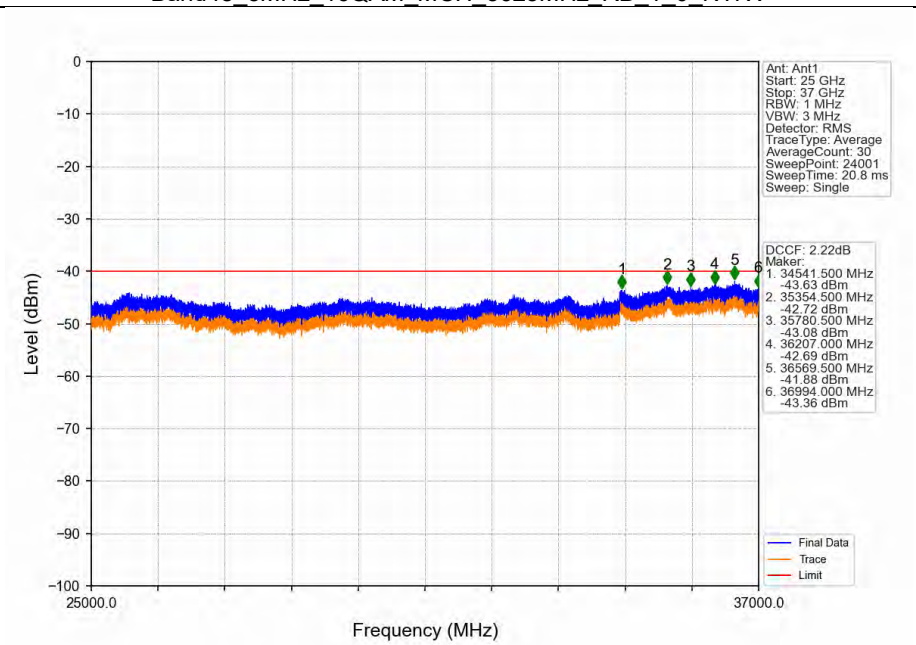

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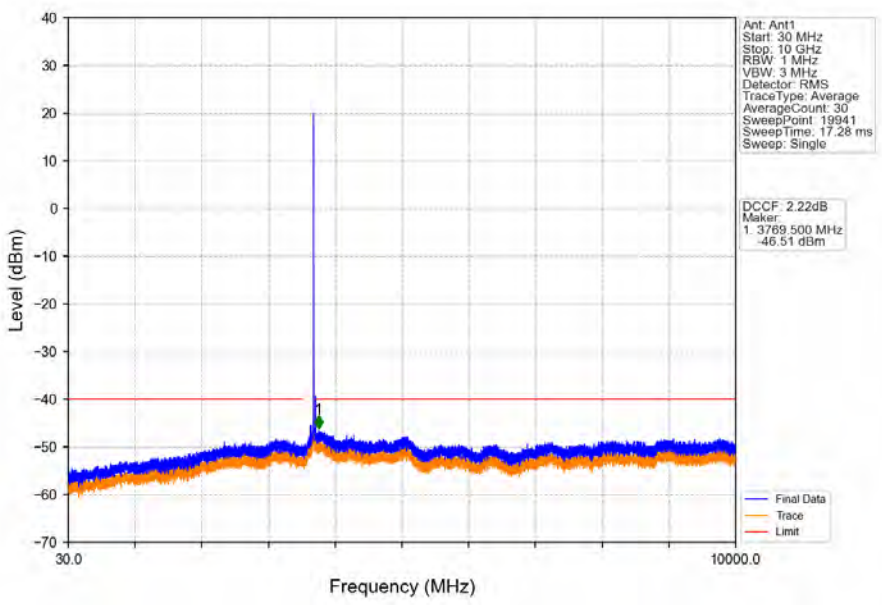

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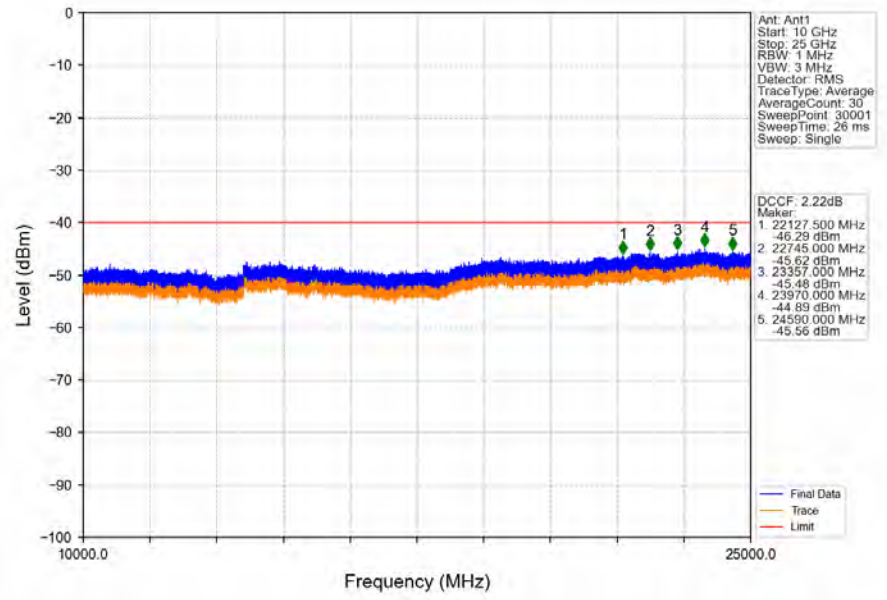

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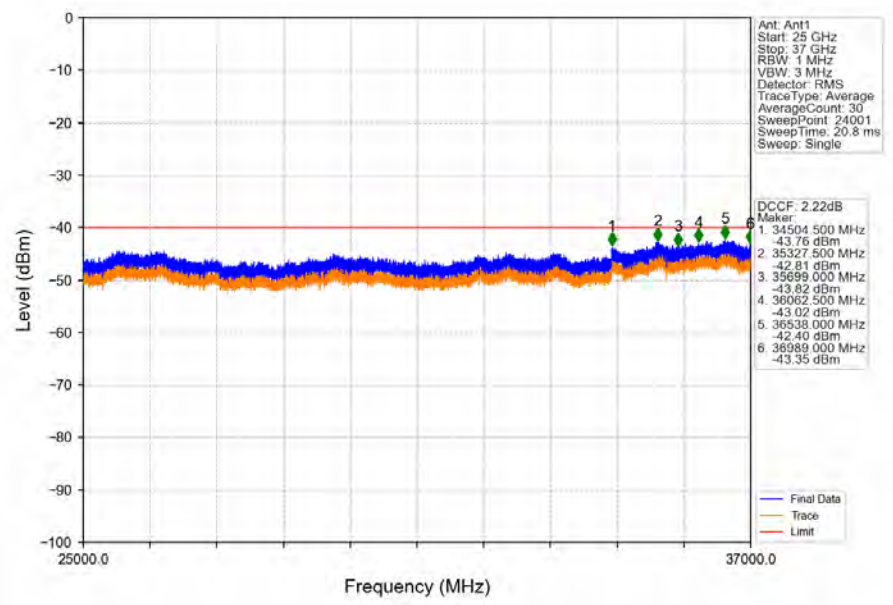

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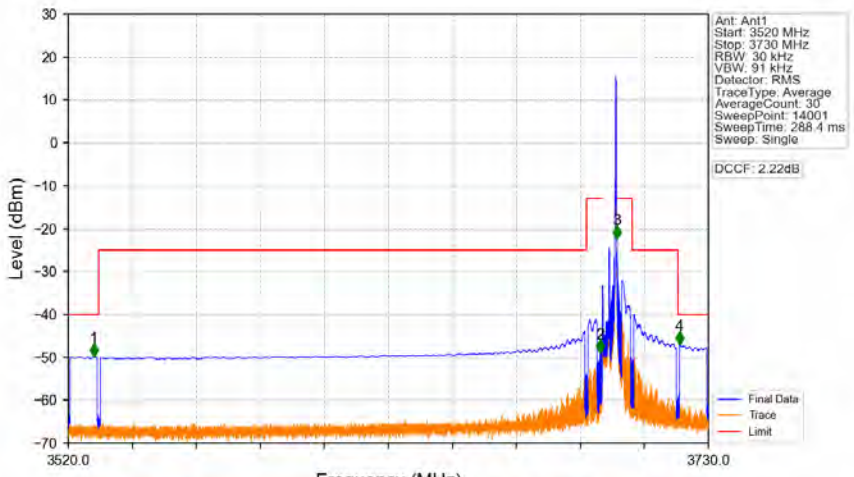

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.015	1	CHP	1	3528.430	-49.93	-40	Pass
3694.015	3695.015	0.03	/	2	3694.450	-49.08	-13	Pass
3695.015	3699.985	0.03	/	/	/	/	/	/
3699.985	3700.985	0.03	/	3	3699.985	-22.34	-13	Pass
3700.985	3730	1	CHP	4	3720.535	-47.12	-40	Pass

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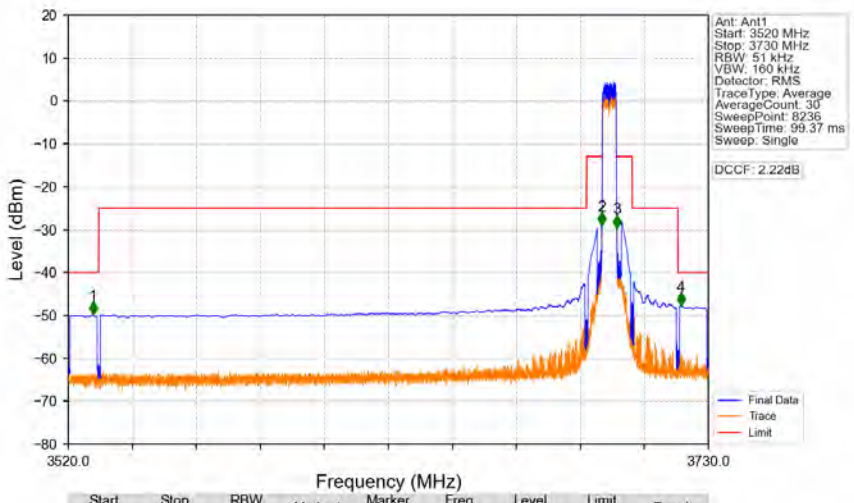

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.015	1	CHP	1	3528.186	-49.92	-40	Pass
3694.015	3695.015	0.051	/	2	3695.013	-29.04	-13	Pass
3695.015	3699.985	0.051	/	/	/	/	/	/
3699.985	3700.985	0.051	/	3	3699.985	-29.67	-13	Pass
3700.985	3730	1	CHP	4	3720.947	-47.68	-40	Pass

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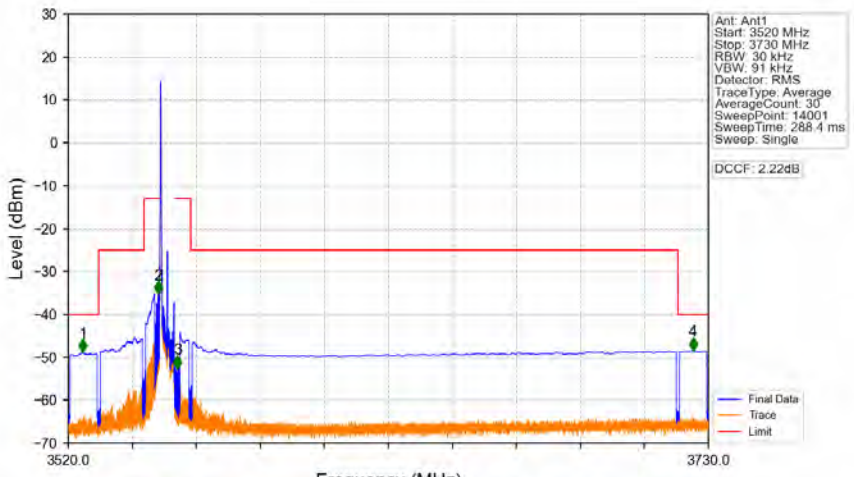

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.845	1	CHP	1	3524.785	-48.91	-40	Pass
3548.845	3549.845	0.03	/	2	3549.550	-35.25	-13	Pass
3549.845	3555.156	0.03	/	/	/	/	/	/
3555.156	3556.156	0.03	/	3	3555.865	-52.65	-13	Pass
3556.156	3730	1	CHP	4	3725.050	-48.41	-40	Pass

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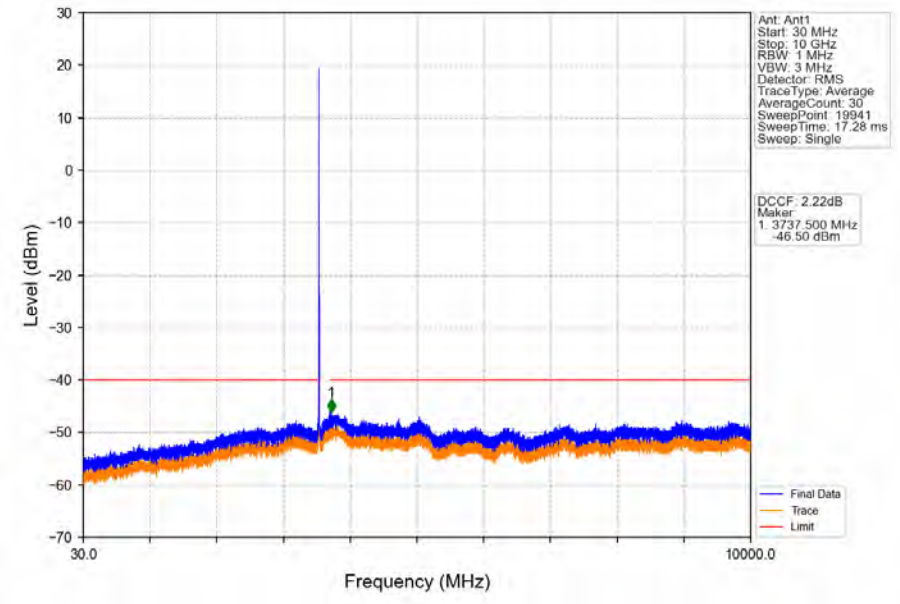

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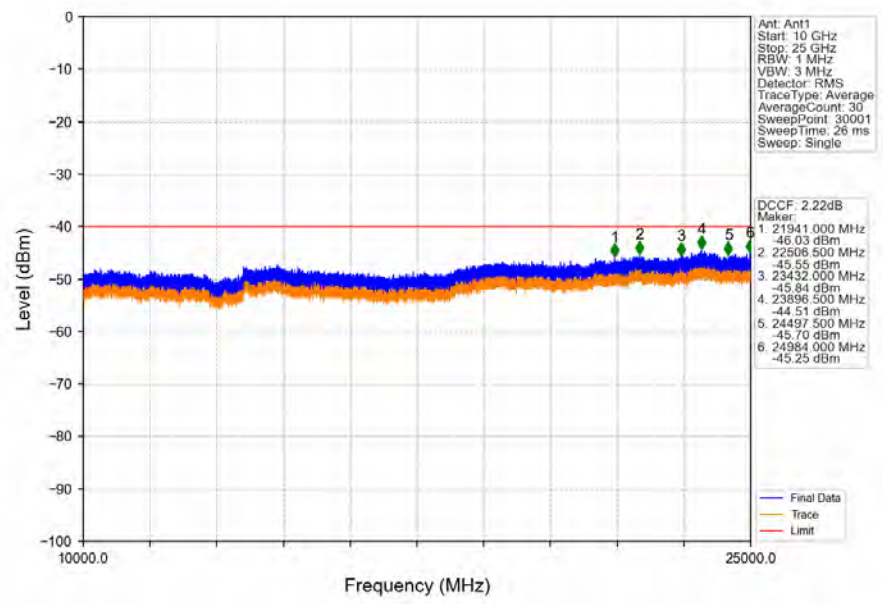
Band48_5MHz_64QAM_LCH_3552.5MHz_RB_1_0_NTNV



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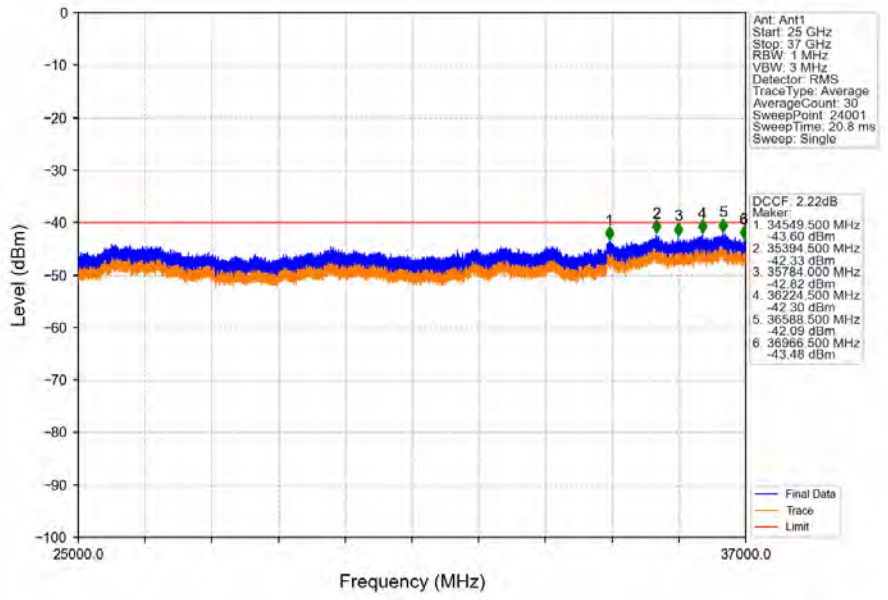

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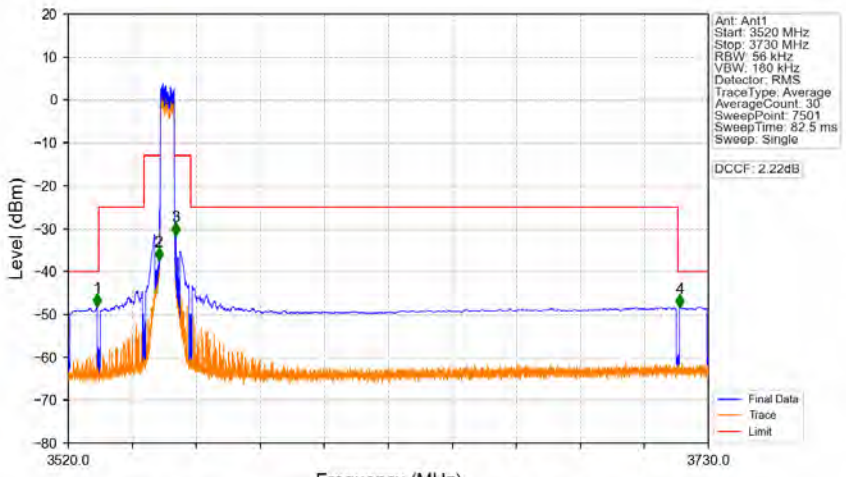

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.845	1	CHP	1	3529.492	-48.29	-40	Pass
3548.845	3549.845	0.056	/	2	3549.708	-37.52	-13	Pass
3549.845	3555.156	0.056	/	/	/	/	/	/
3555.156	3556.156	0.056	/	3	3555.224	-31.63	-13	Pass
3556.156	3730	1	CHP	4	3720.592	-48.38	-40	Pass

Band48_5MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

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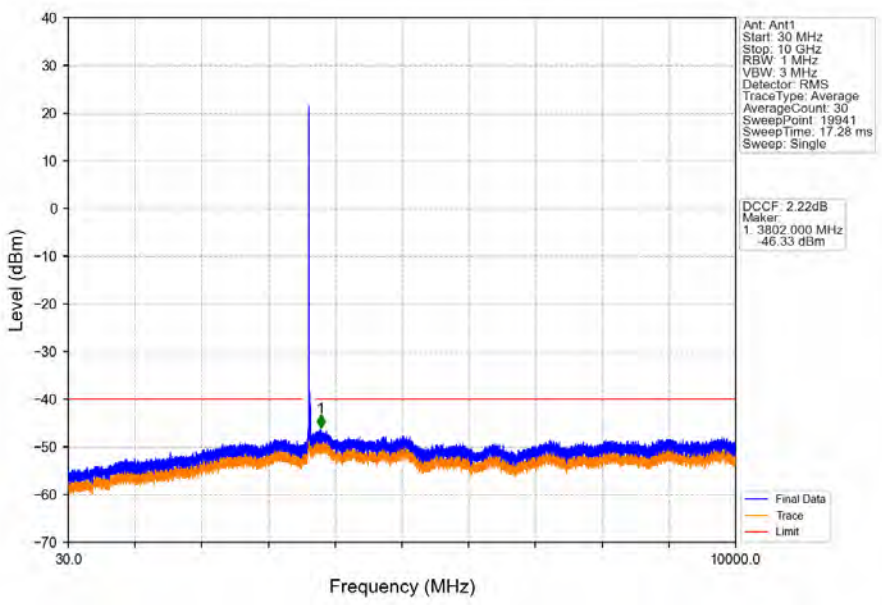

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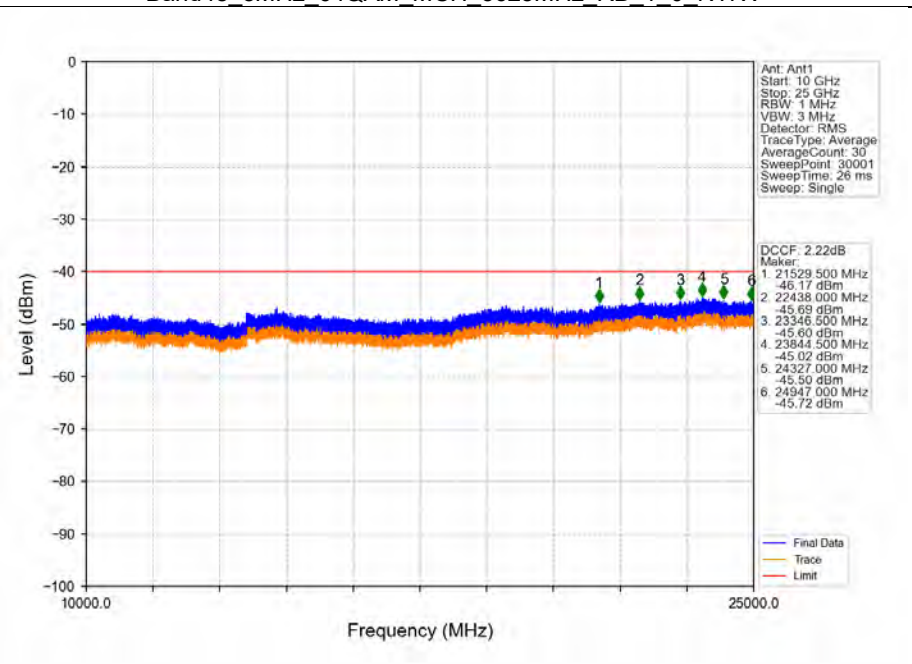

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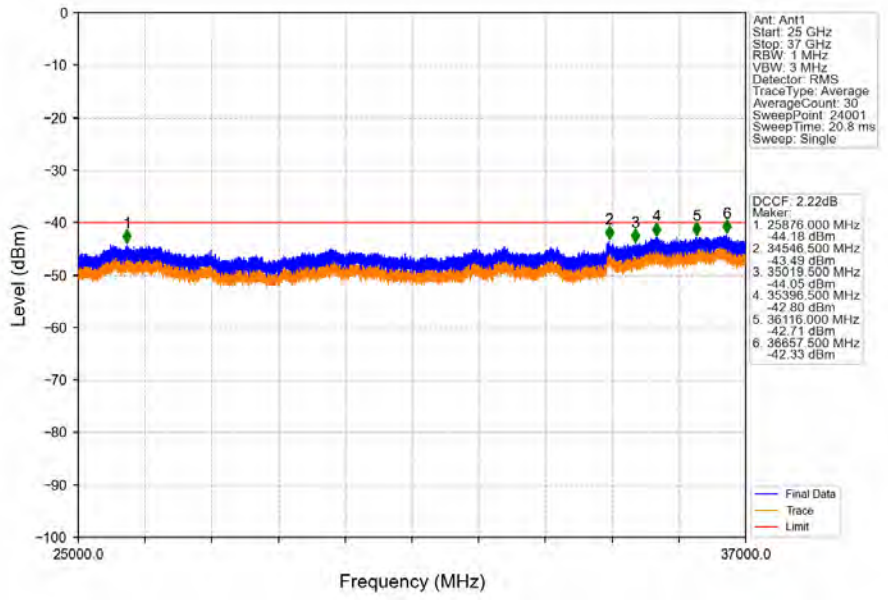

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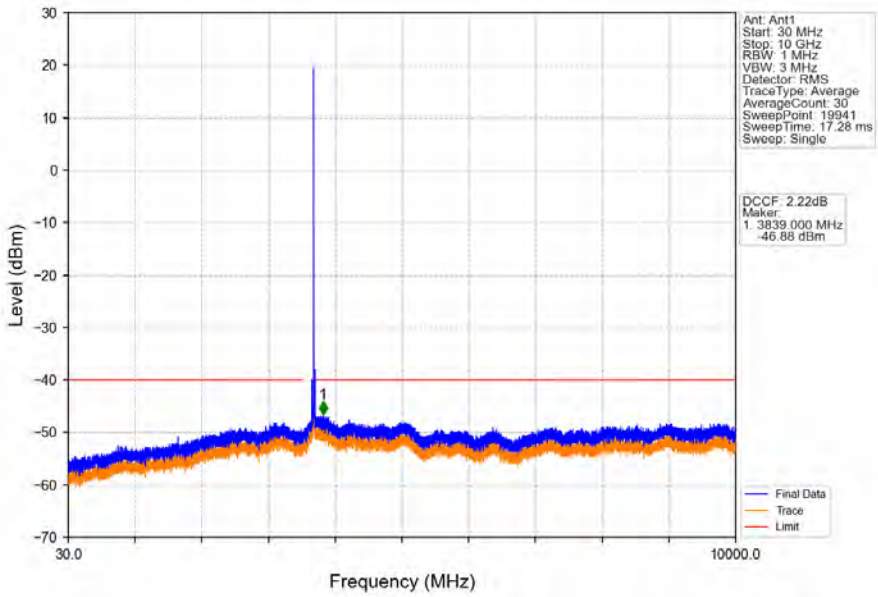
Band48_5MHz_64QAM_HCH_3697.5MHz_RB_1_0_NTNV



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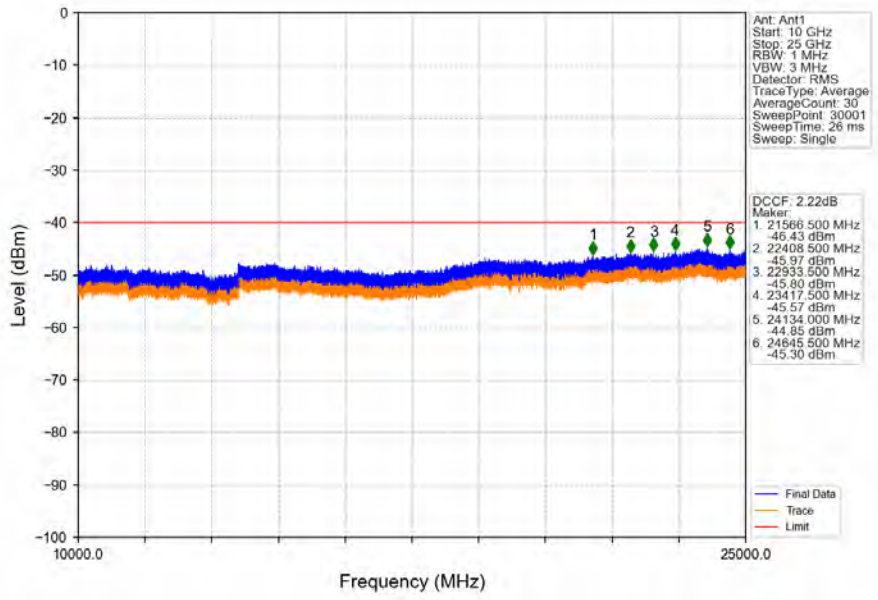

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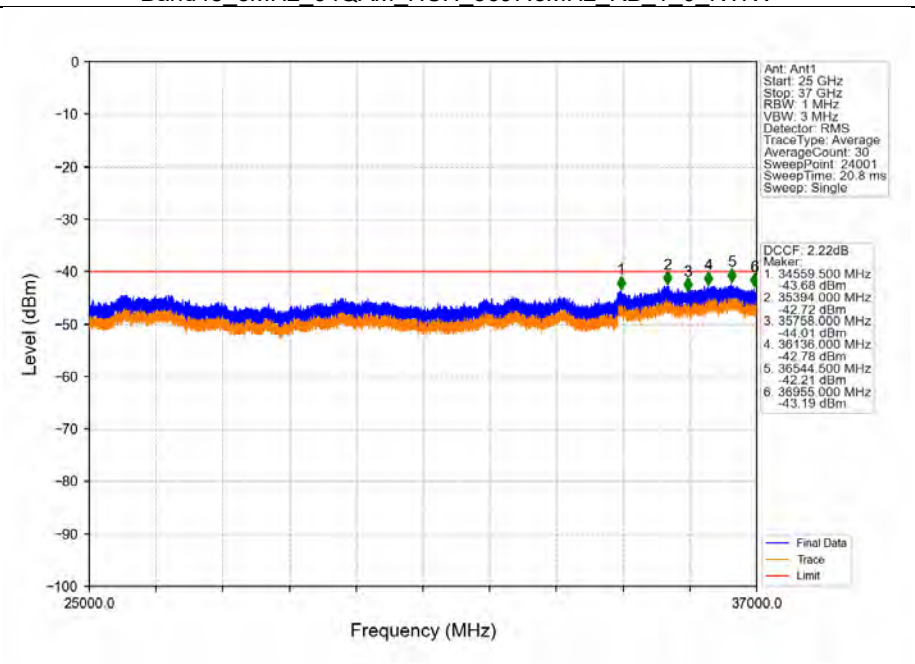

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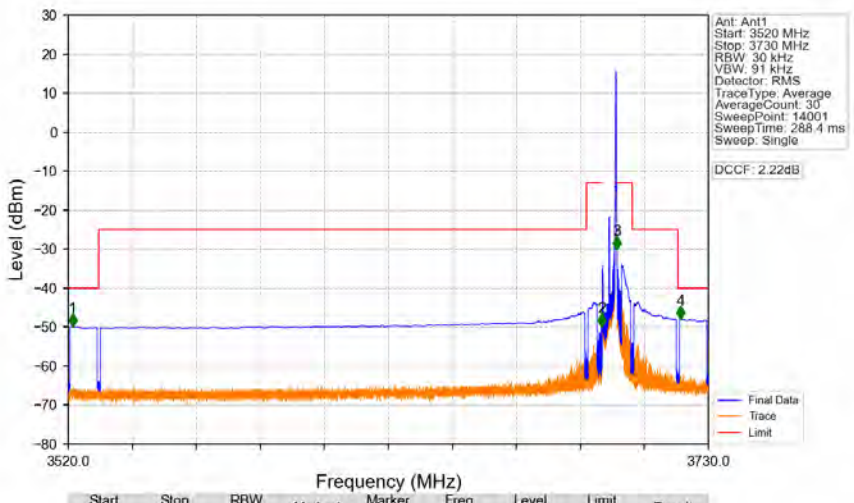

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3693.994	1	CHP	1	3521.395	-49.93	-40	Pass
3693.994	3694.994	0.03	/	2	3694.960	-49.89	-13	Pass
3694.994	3700.007	0.03	/	/	/	/	/	
3700.007	3701.007	0.03	/	3	3700.060	-30.16	-13	Pass
3701.007	3730	1	CHP	4	3720.835	-47.95	-40	Pass

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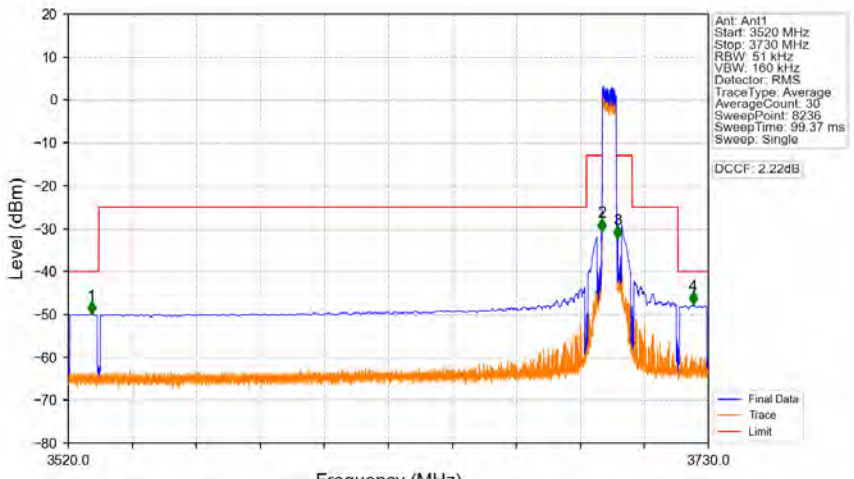

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3693.994	1	CHP	1	3527.625	-50.00	-40	Pass
3693.994	3694.994	0.051	/	2	3694.987	-30.73	-13	Pass
3694.994	3700.007	0.051	/	/	/	/	/	/
3700.007	3701.007	0.051	/	3	3700.240	-32.41	-13	Pass
3701.007	3730	1	CHP	4	3725.027	-47.75	-40	Pass

Band48_5MHz_256QAM_LCH_3552.5MHz_RB_1_0_NTNV

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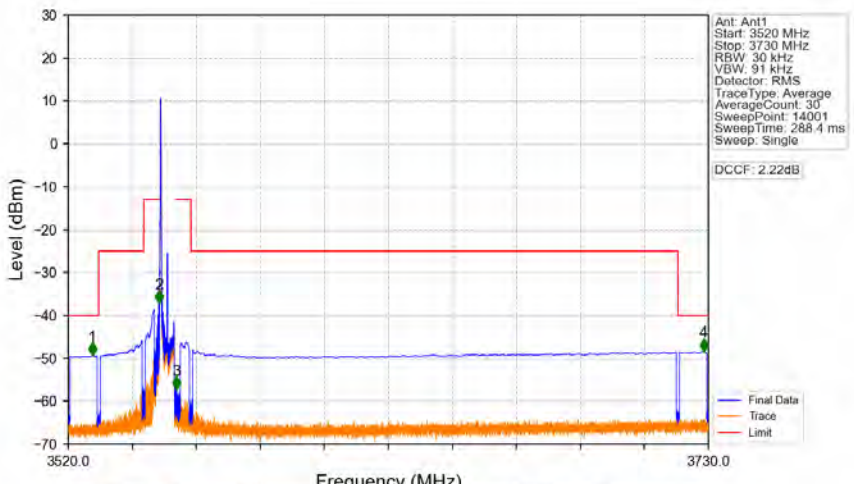

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.754	1	CHP	1	3527.830	-49.44	-40	Pass
3548.754	3549.754	0.03	/	2	3549.745	-37.22	-13	Pass
3549.754	3555.246	0.03	/	/	/	/	/	/
3555.246	3556.246	0.03	/	3	3555.505	-57.26	-13	Pass
3556.246	3730	1	CHP	4	3728.485	-48.42	-40	Pass

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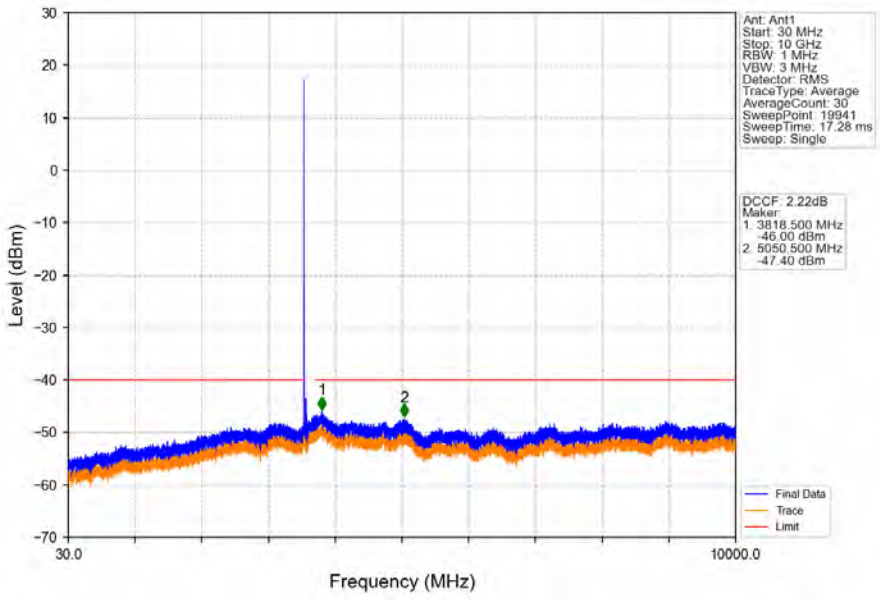
Band48_5MHz_256QAM_LCH_3552.5MHz_RB_1_0_NTNV



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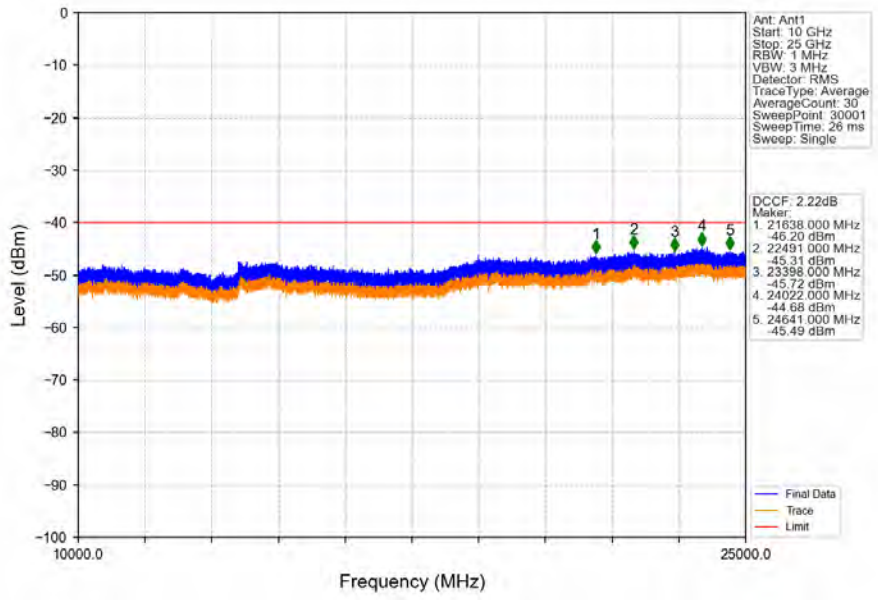

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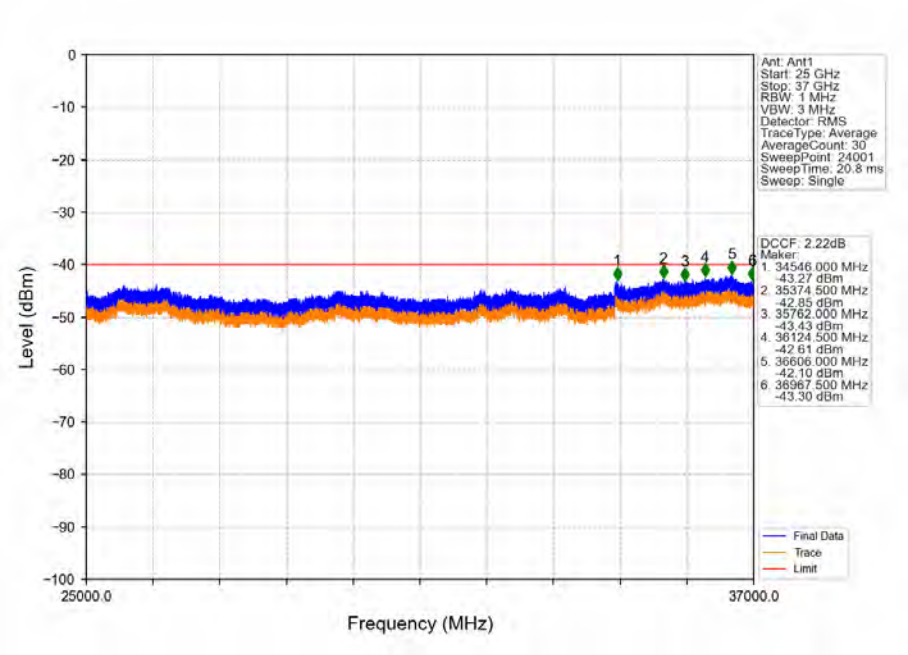

Band48_5MHz_256QAM_LCH_3552.5MHz_RB_25_0_NTNV

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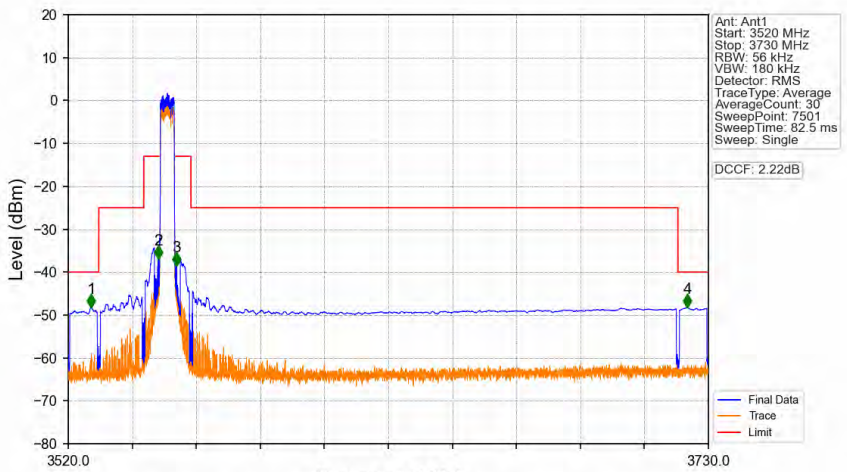

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.754	1	CHP	1	3527.560	-48.30	-40	Pass
3548.754	3549.754	0.056	/	2	3549.540	-36.94	-13	Pass
3549.754	3555.246	0.056	/	/	/	/	/	/
3555.246	3556.246	0.056	/	3	3555.476	-38.53	-13	Pass
3556.246	3730	1	CHP	4	3723.084	-48.28	-40	Pass

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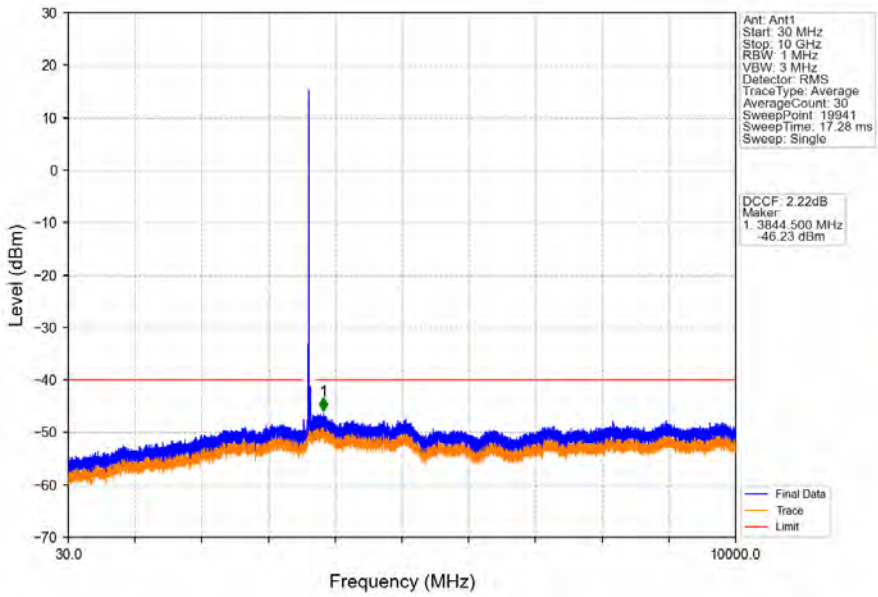

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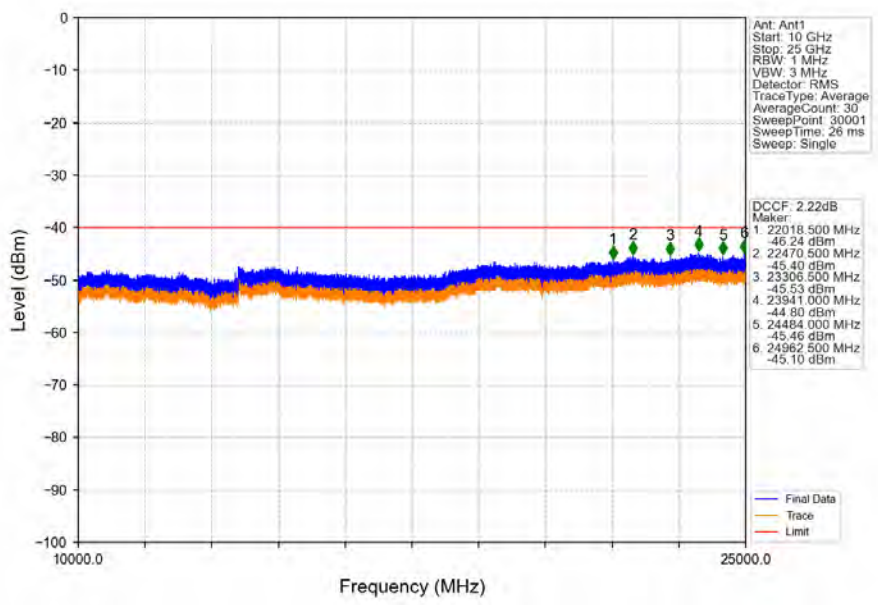

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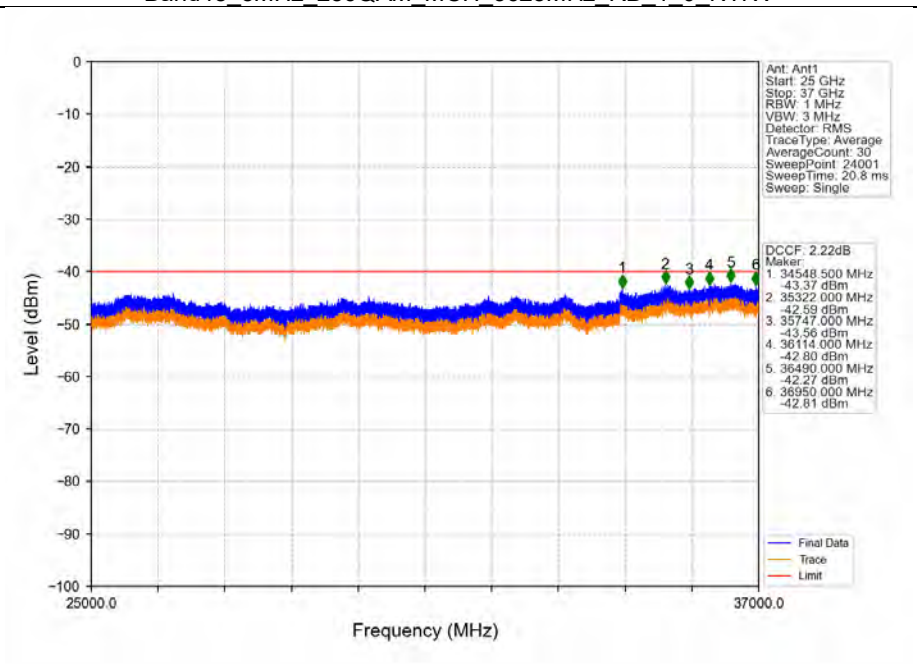

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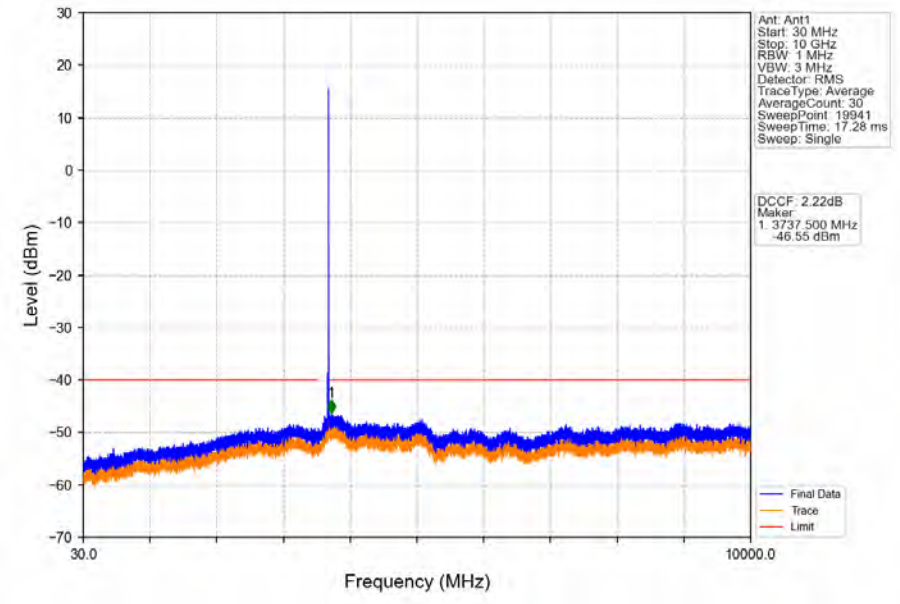

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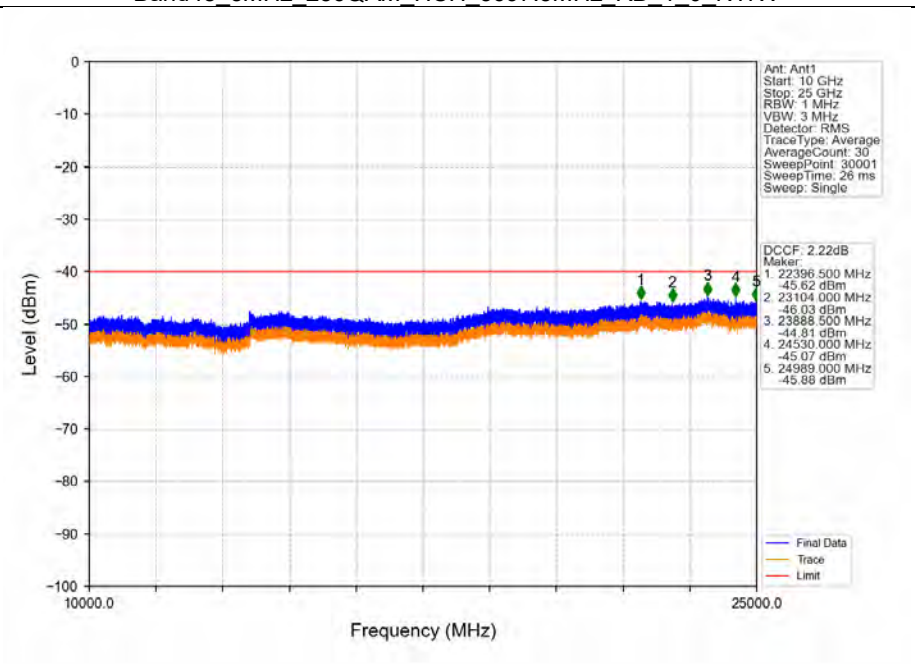

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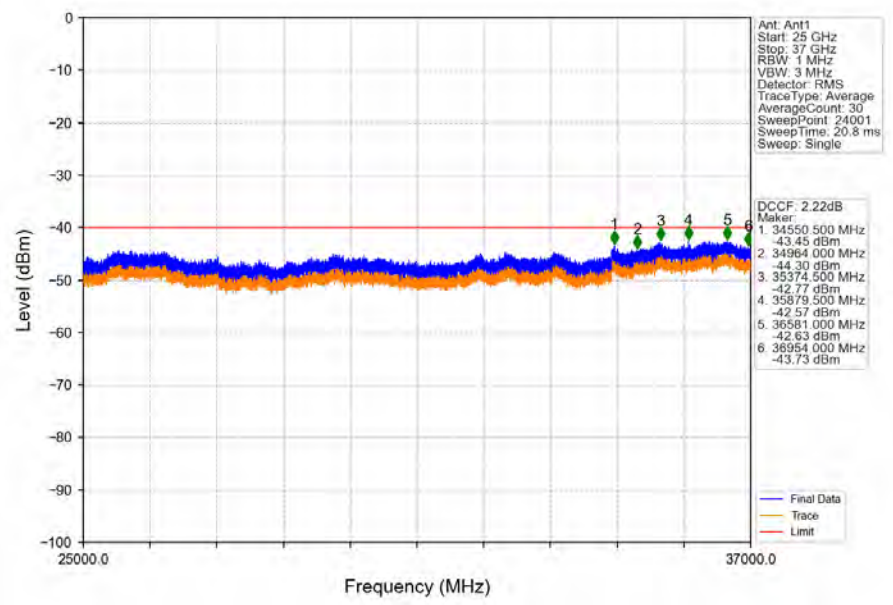

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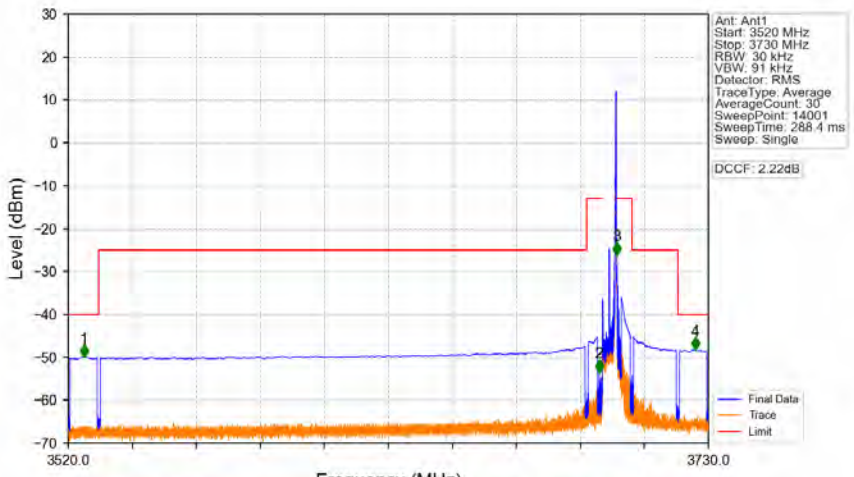

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.066	1	CHP	1	3525.145	-50.02	-40	Pass
3694.066	3695.066	0.03	/	2	3694.135	-53.53	-13	Pass
3695.066	3699.934	0.03	/	/	/	/	/	/
3699.934	3700.934	0.03	/	3	3699.955	-26.18	-13	Pass
3700.934	3730	1	CHP	4	3725.665	-48.27	-40	Pass

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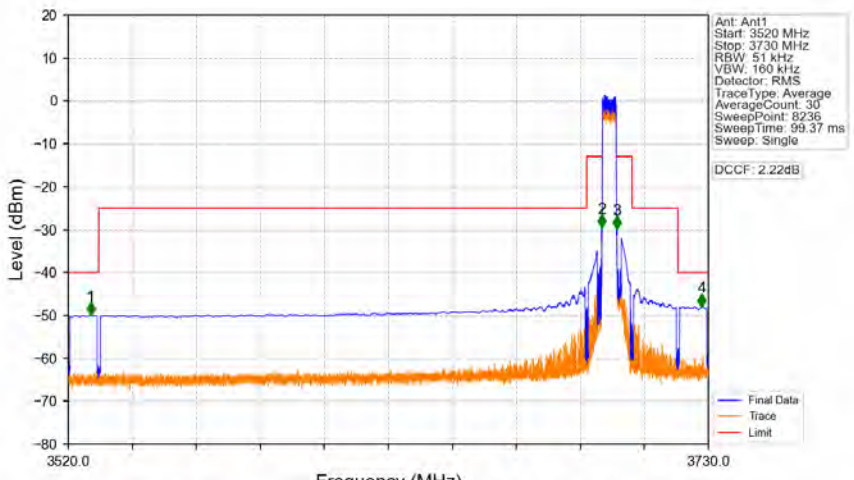

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.066	1	CHP	1	3527.370	-50.00	-40	Pass
3694.066	3695.066	0.051	/	2	3695.038	-29.54	-13	Pass
3695.066	3699.934	0.051	/	/	/	/	/	/
3699.934	3700.934	0.051	/	3	3699.934	-29.91	-13	Pass
3700.934	3730	1	CHP	4	3727.858	-48.02	-40	Pass

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5.2 B48_10MHz

5.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
256QAM	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

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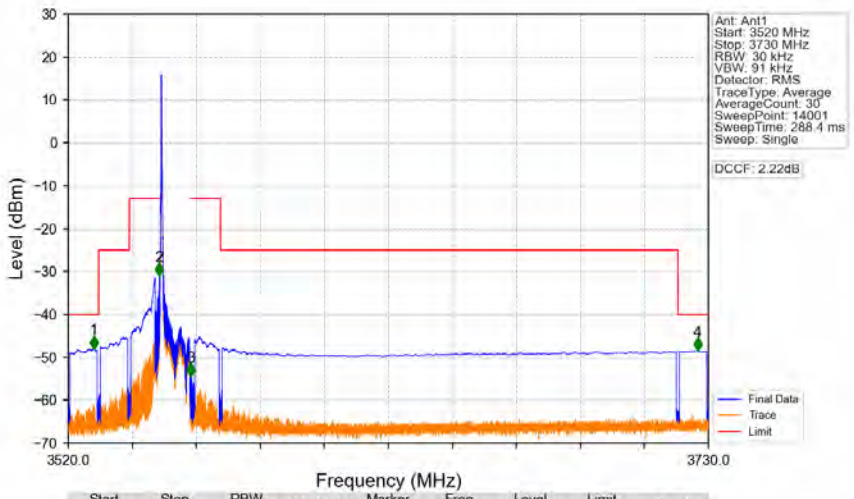
5.2.2 Test Graph

Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549.021	1	CHP	1	3528.355	-48.04	-40	Pass
3549.021	3550.021	0.03	/	2	3549.910	-31.10	-13	Pass
3550.021	3559.979	0.03	/	/	/	/	/	/
3559.979	3560.979	0.03	/	3	3560.245	-54.54	-13	Pass
3560.979	3730	1	CHP	4	3726.535	-48.49	-40	Pass

Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

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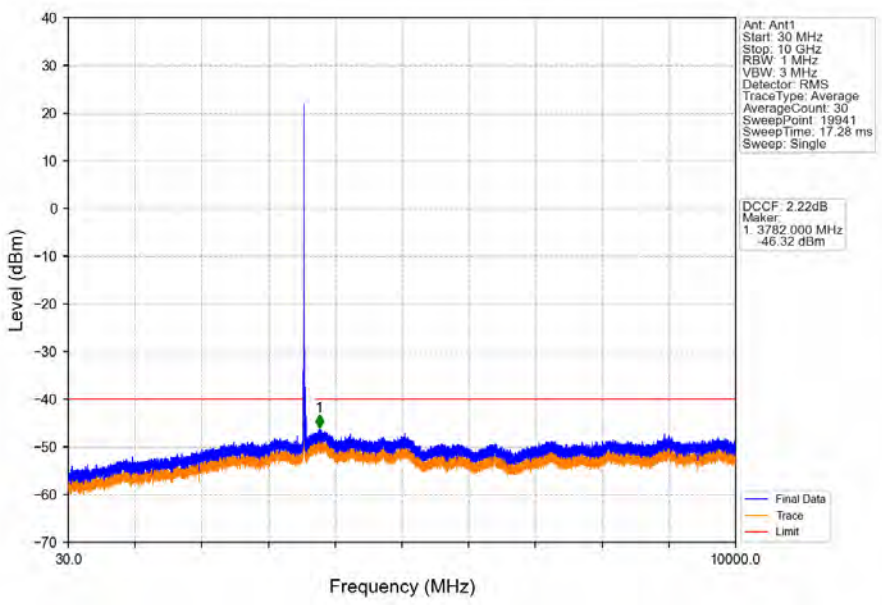

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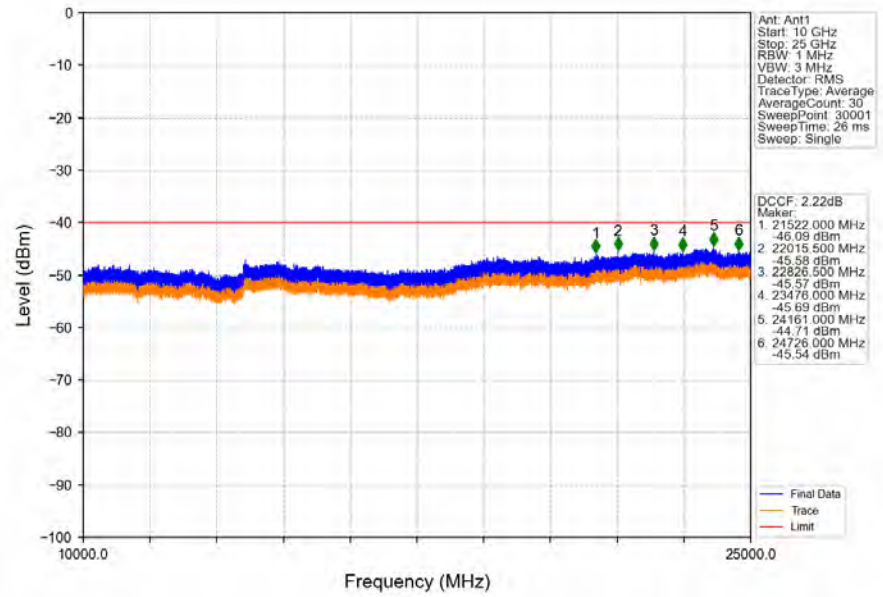
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



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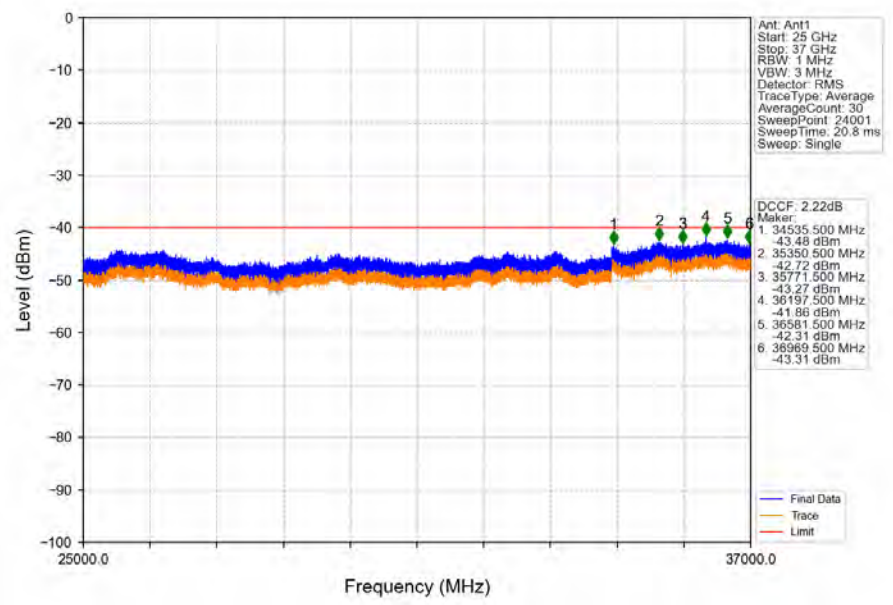

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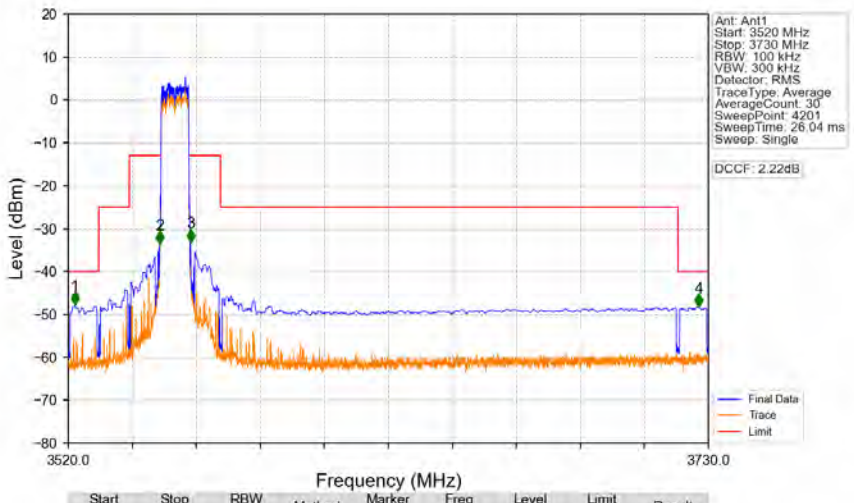

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549.021	1	CHP	1	3522.150	-47.79	-40	Pass
3549.021	3550.021	0.1	/	2	3550.000	-33.62	-13	Pass
3550.021	3559.979	0.1	/	/	/	/	/	/
3559.979	3560.979	0.1	/	3	3560.100	-33.19	-13	Pass
3560.979	3730	1	CHP	4	3726.800	-48.29	-40	Pass

Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

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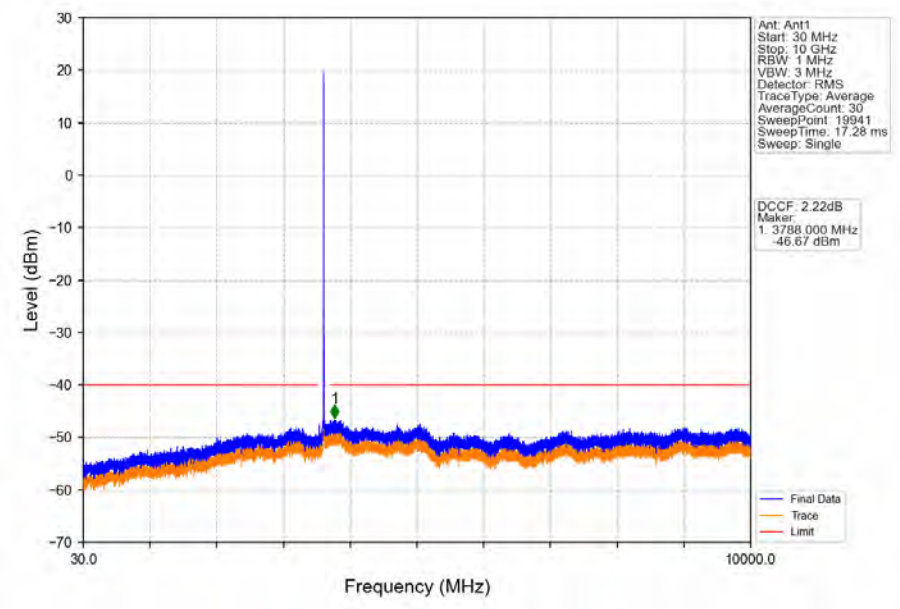

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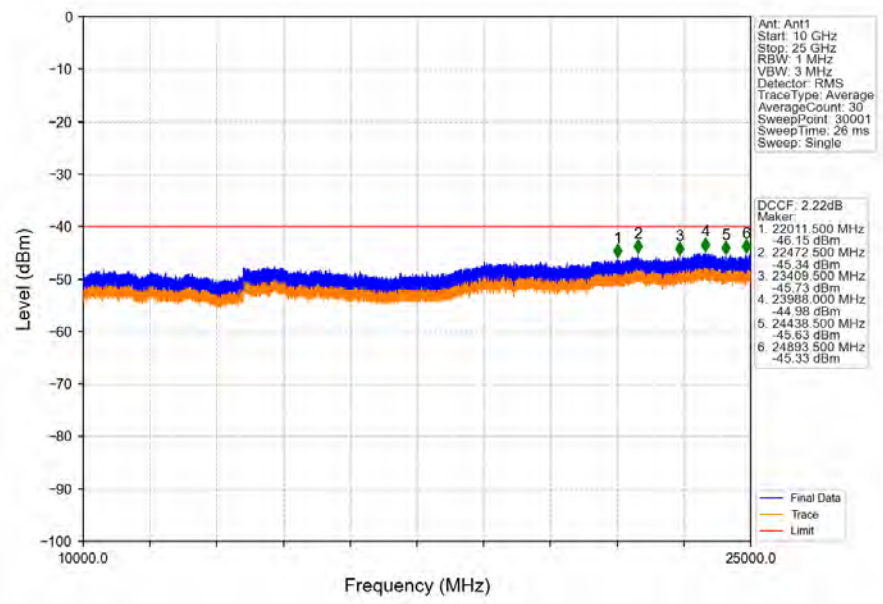

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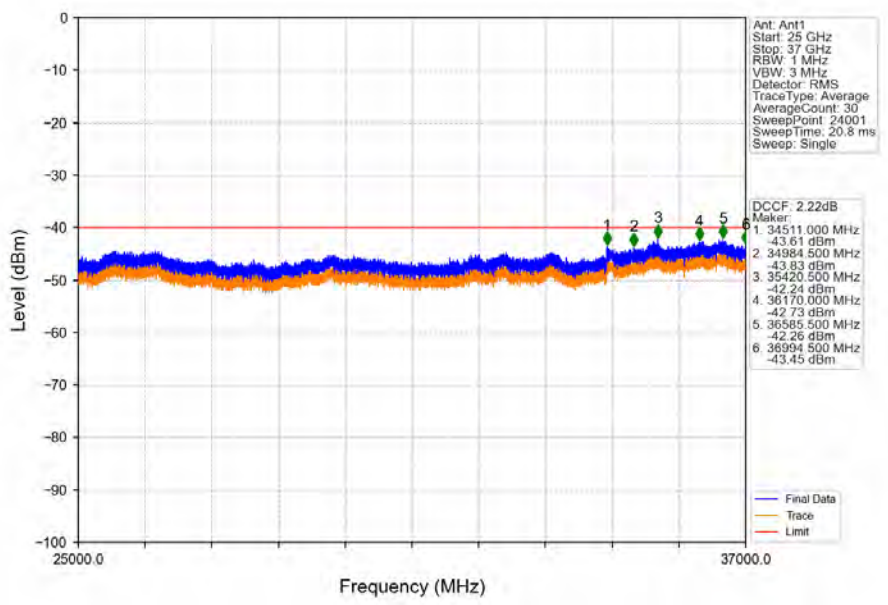

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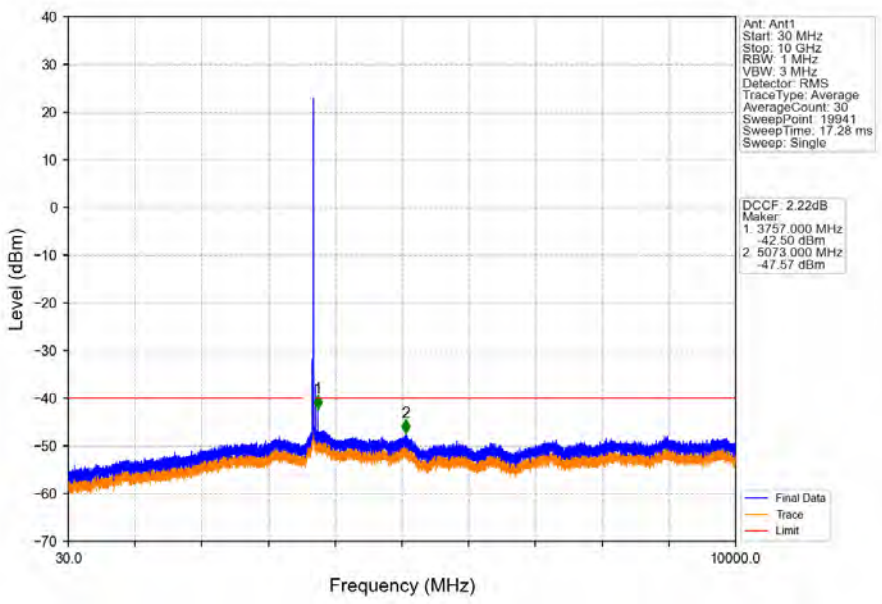

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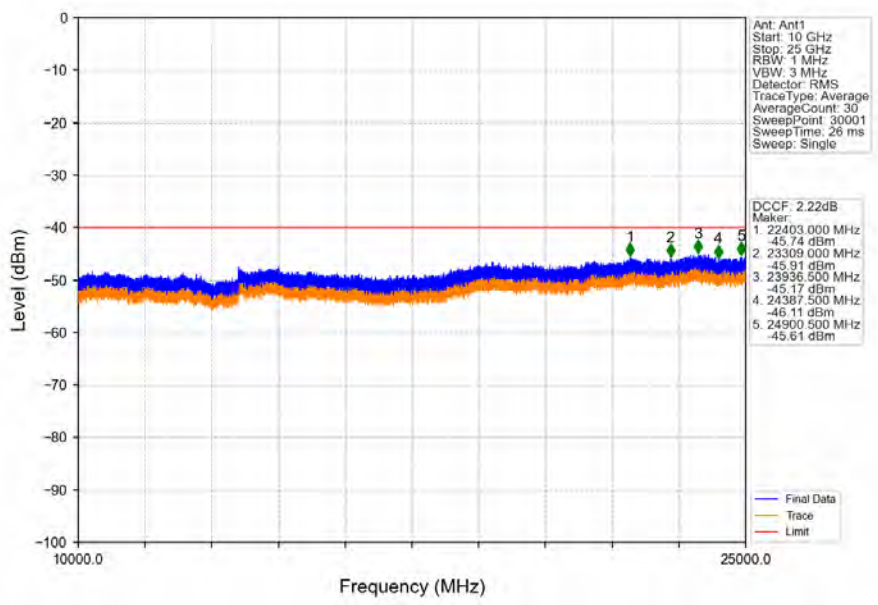

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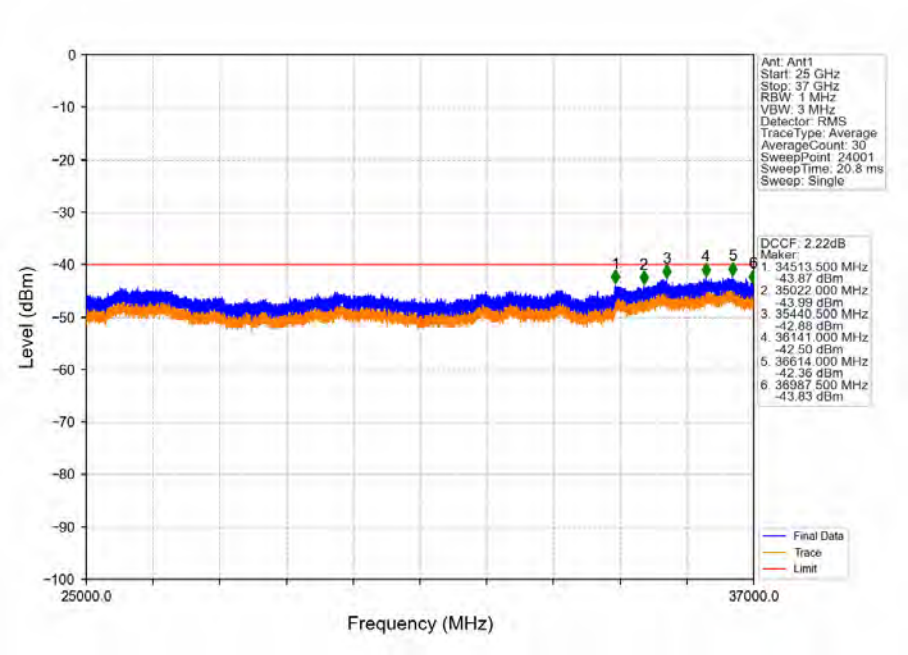

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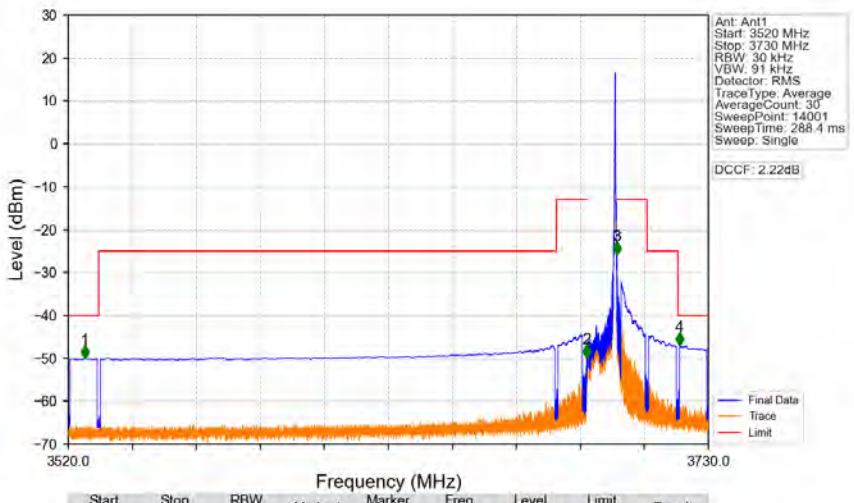

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.148	1	CHP	1	3525.400	-50.09	-40	Pass
3689.148	3690.148	0.03	/	2	3690.115	-49.91	-13	Pass
3690.148	3699.852	0.03	/	/	/	/	/	/
3699.852	3700.852	0.03	/	3	3699.940	-25.87	-13	Pass
3700.852	3730	1	CHP	4	3720.535	-47.05	-40	Pass

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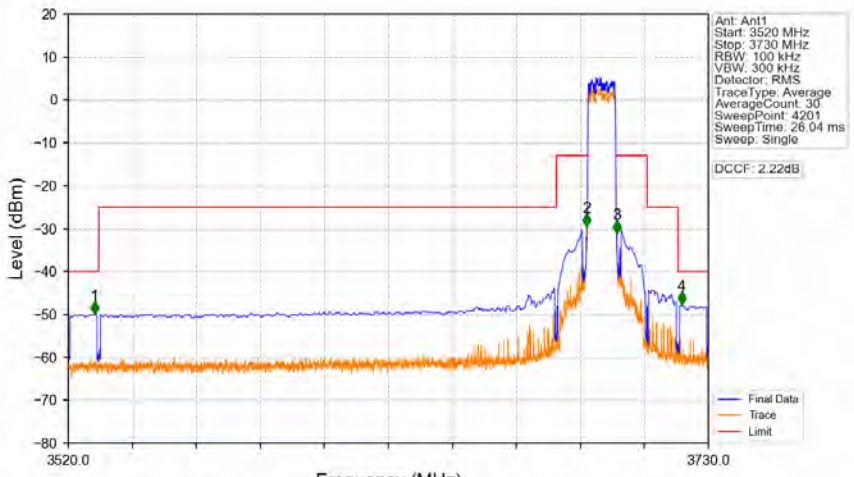

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.148	1	CHP	1	3528.650	-49.97	-40	Pass
3689.148	3690.148	0.1	/	2	3690.100	-29.57	-13	Pass
3690.148	3699.852	0.1	/	/	/	/	/	/
3699.852	3700.852	0.1	/	3	3699.900	-31.19	-13	Pass
3700.852	3730	1	CHP	4	3721.200	-47.71	-40	Pass

Band48_10MHz_16QAM_LCH_3555MHz_RB_1_0_NTNV

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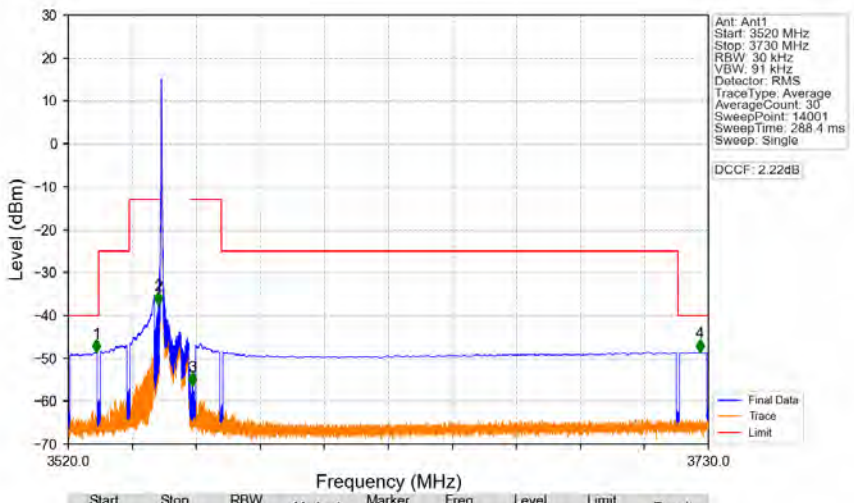

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.769	1	CHP	1	3529.270	-48.64	-40	Pass
3548.769	3549.769	0.03	/	2	3549.580	-37.50	-13	Pass
3549.769	3560.231	0.03	/	/	/	/	/	/
3560.231	3561.231	0.03	/	3	3560.740	-56.42	-13	Pass
3561.231	3730	1	CHP	4	3727.195	-48.57	-40	Pass

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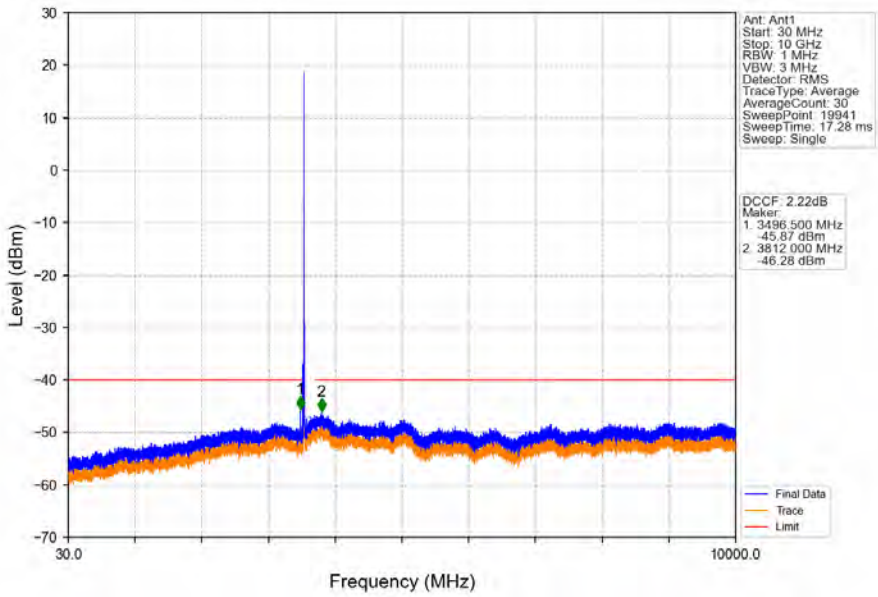

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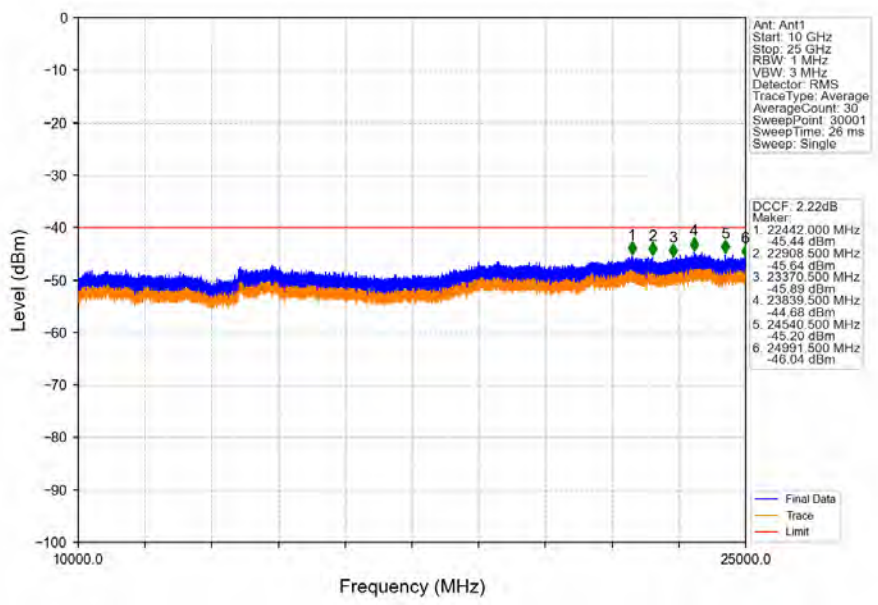

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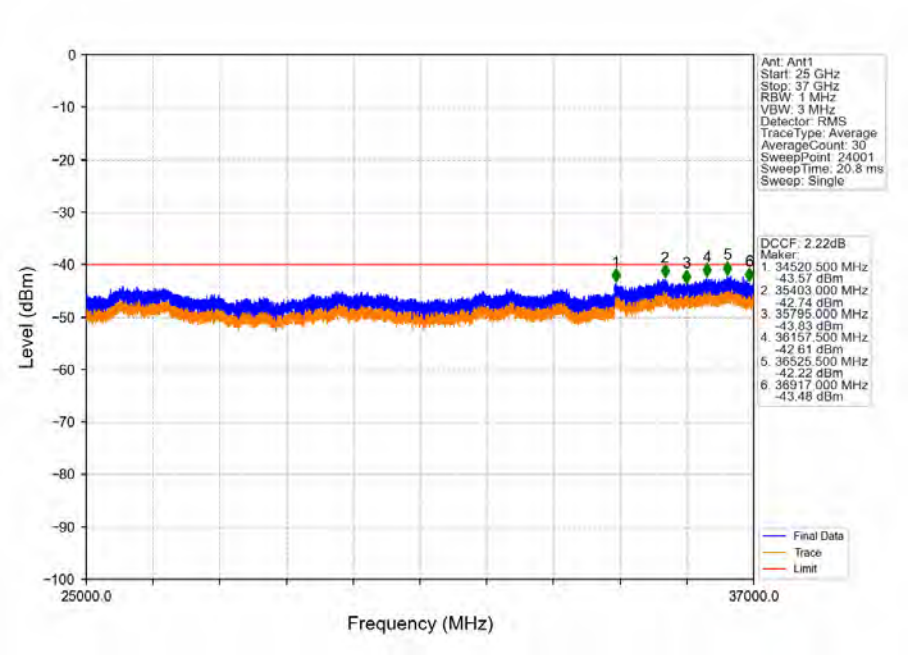

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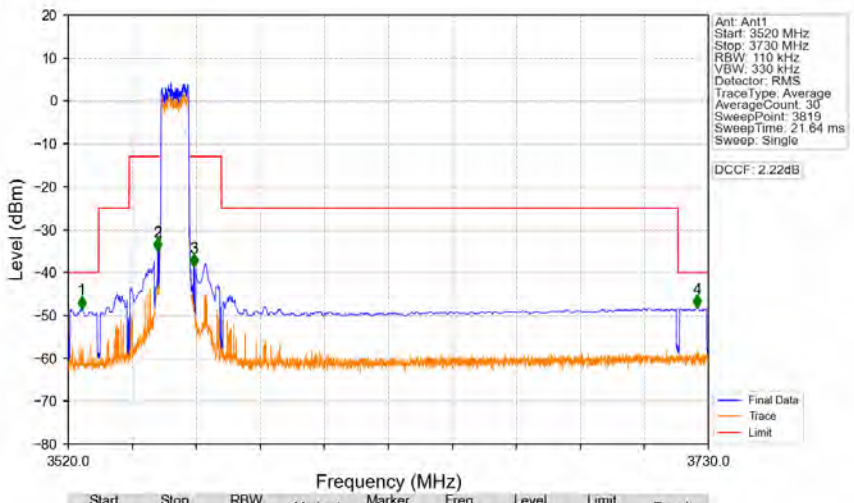

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.769	1	CHP	1	3524.345	-48.52	-40	Pass
3548.769	3549.769	0.11	/	2	3549.371	-35.02	-13	Pass
3549.769	3560.231	0.11	/	/	/	/	/	/
3560.231	3561.231	0.11	/	3	3561.197	-38.77	-13	Pass
3561.231	3730	1	CHP	4	3726.370	-48.22	-40	Pass

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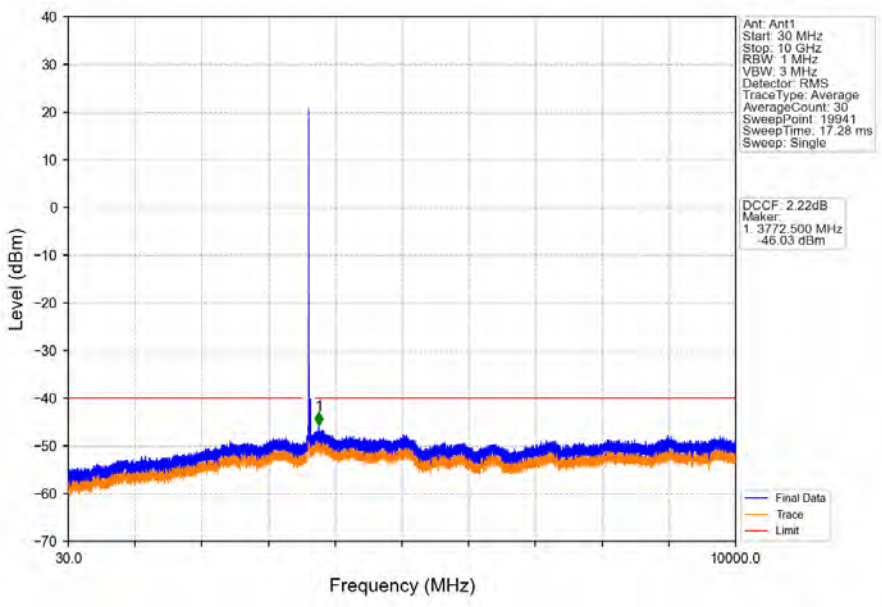

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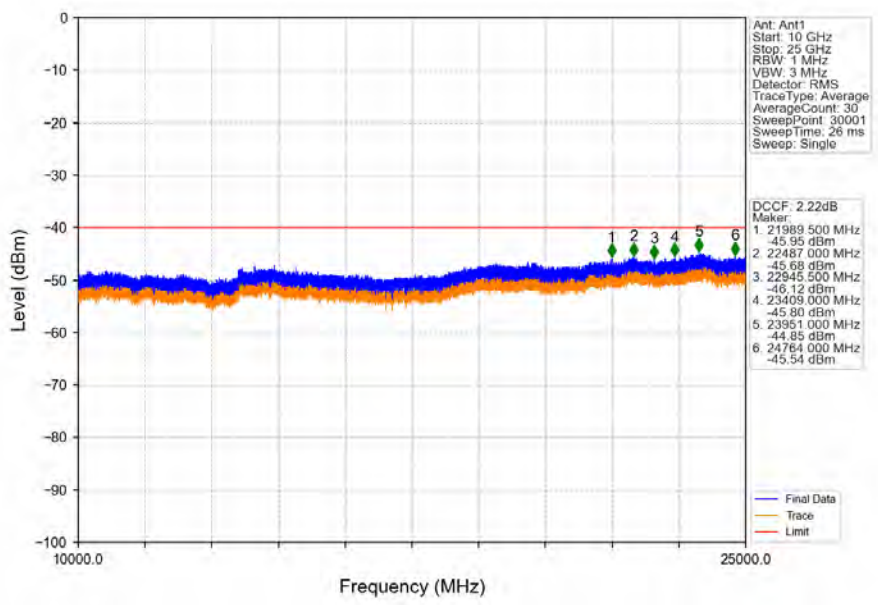

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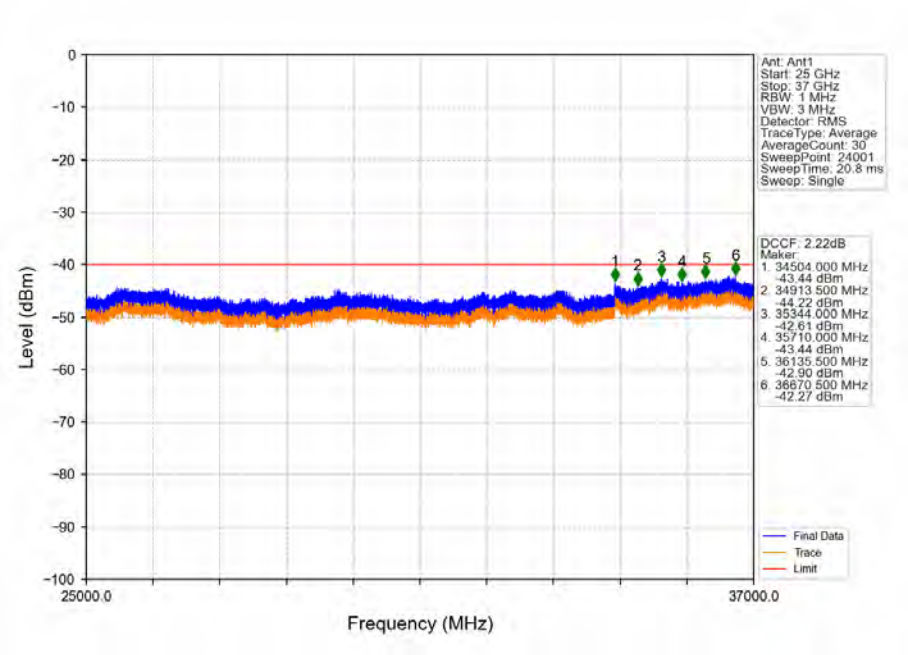

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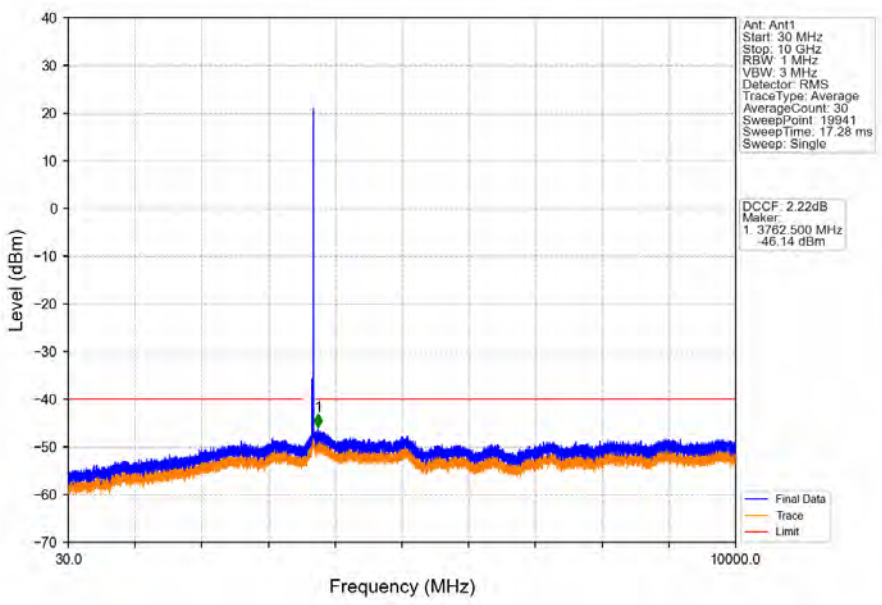

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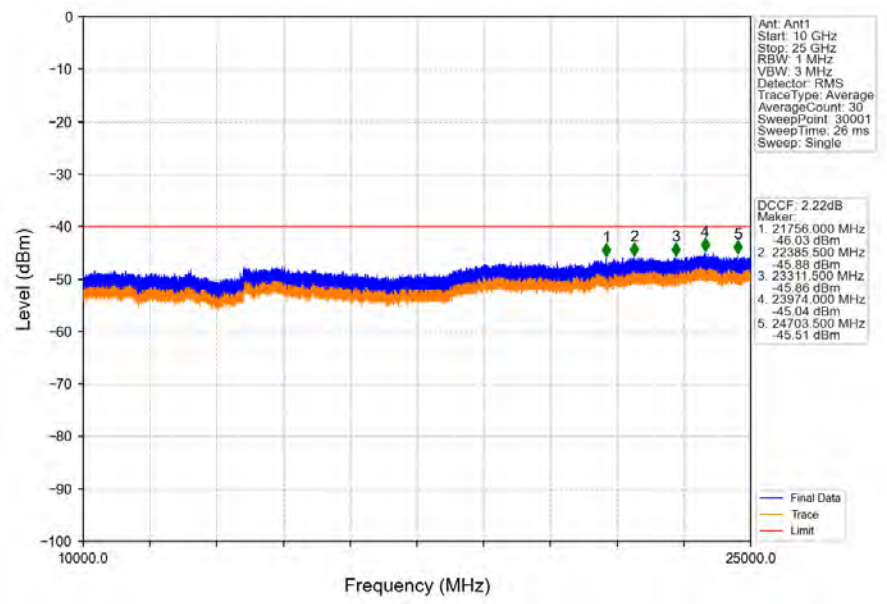

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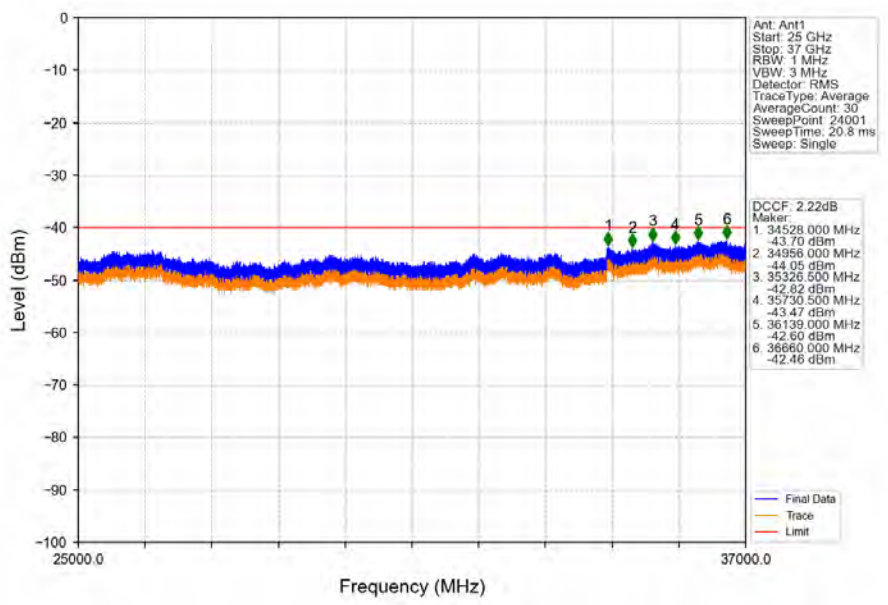

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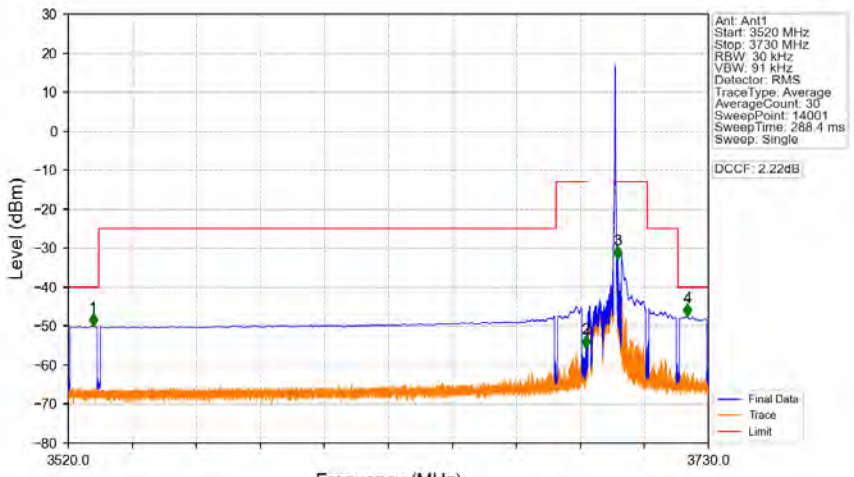

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.033	1	CHP	1	3528.085	-50.10	-40	Pass
3689.033	3690.033	0.03	/	2	3689.890	-55.66	-13	Pass
3690.033	3699.967	0.03	/	/	/	/	/	/
3699.967	3700.967	0.03	/	3	3700.210	-32.82	-13	Pass
3700.967	3730	1	CHP	4	3723.085	-47.59	-40	Pass

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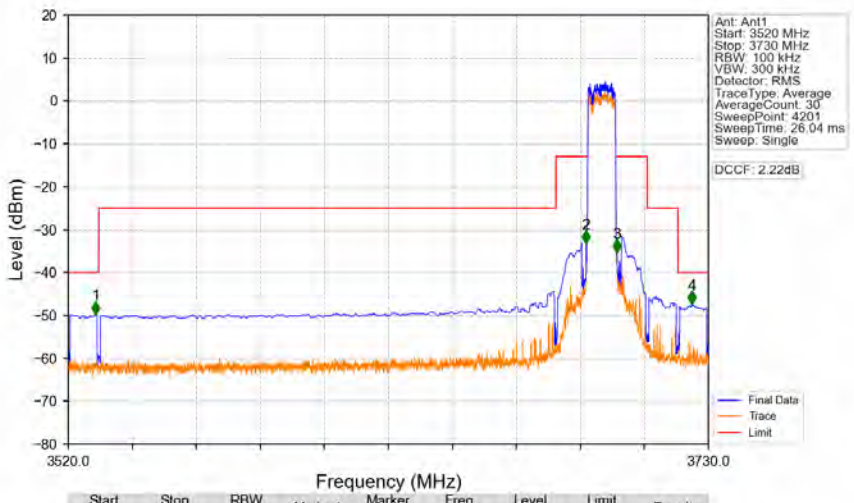

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.033	1	CHP	1	3529.000	-49.78	-40	Pass
3689.033	3690.033	0.1	/	2	3689.900	-33.31	-13	Pass
3690.033	3699.967	0.1	/	/	/	/	/	/
3699.967	3700.967	0.1	/	3	3700.000	-35.35	-13	Pass
3700.967	3730	1	CHP	4	3724.600	-47.42	-40	Pass

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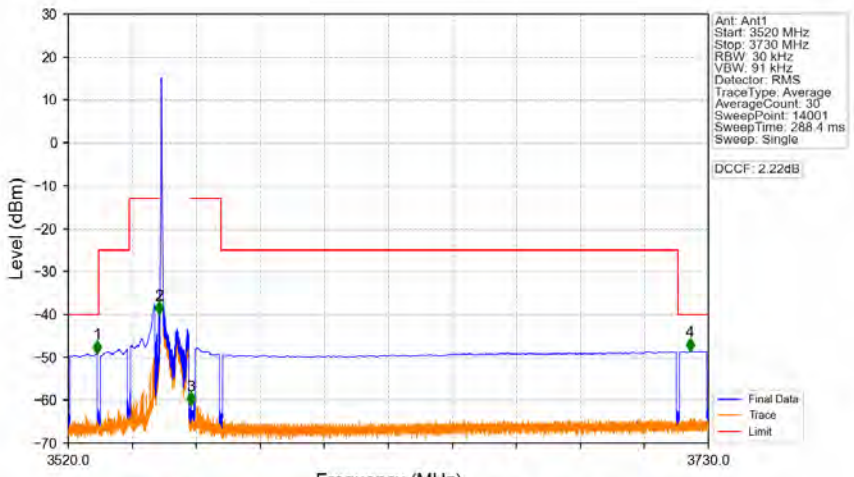
Band48_10MHz_64QAM_LCH_3555MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.89	1	CHP	1	3529.495	-49.12	-40	Pass
3548.89	3549.89	0.03	/	2	3549.820	-39.97	-13	Pass
3549.89	3560.11	0.03	/	/	/	/	/	/
3560.11	3561.11	0.03	/	3	3560.185	-61.20	-13	Pass
3561.11	3730	1	CHP	4	3724.000	-48.60	-40	Pass

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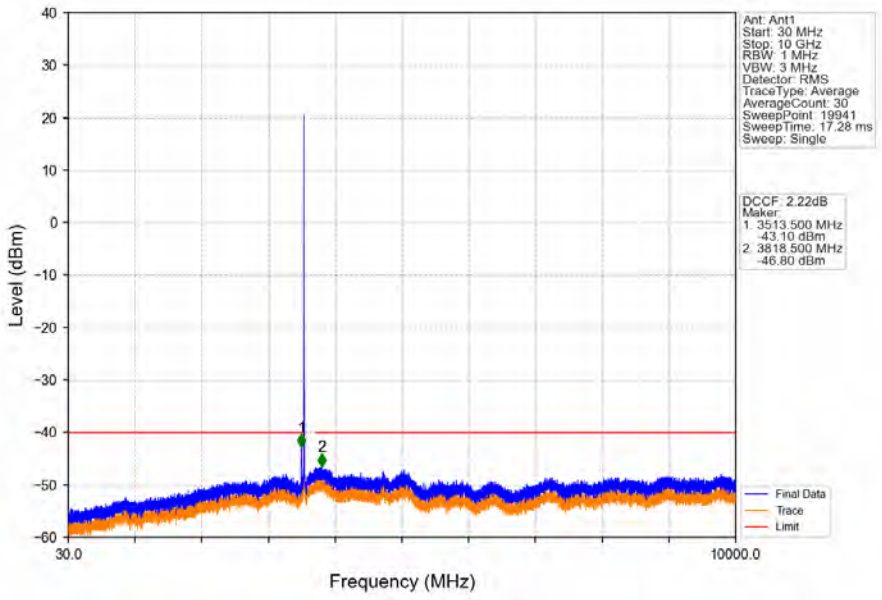

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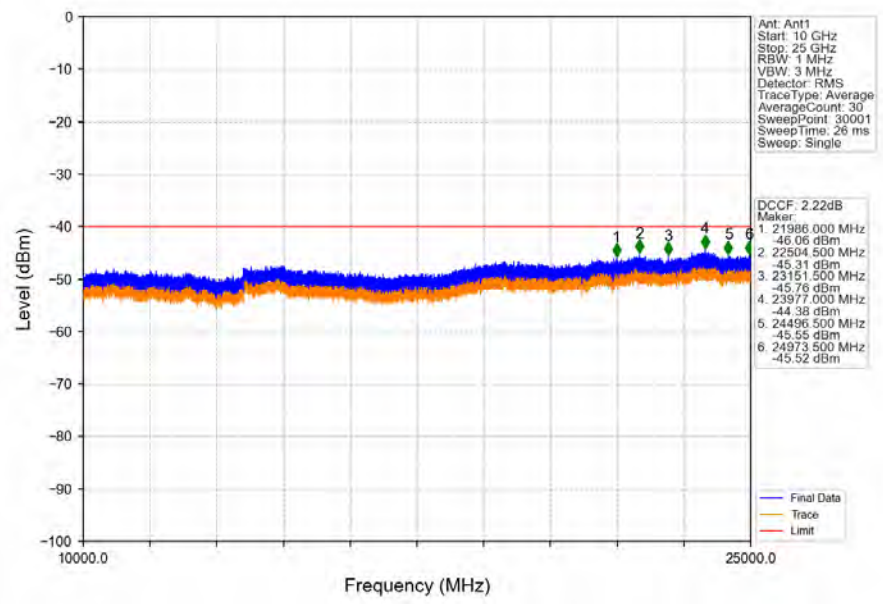

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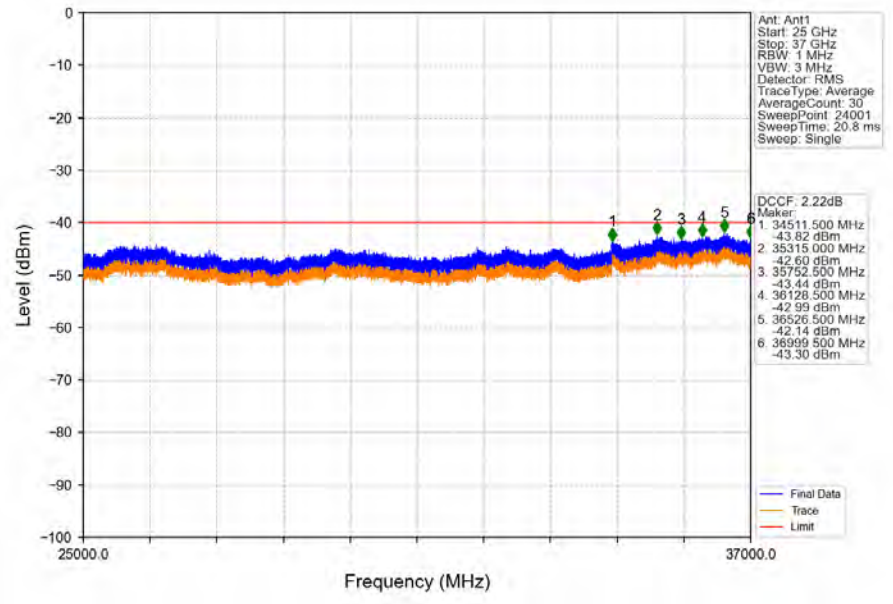

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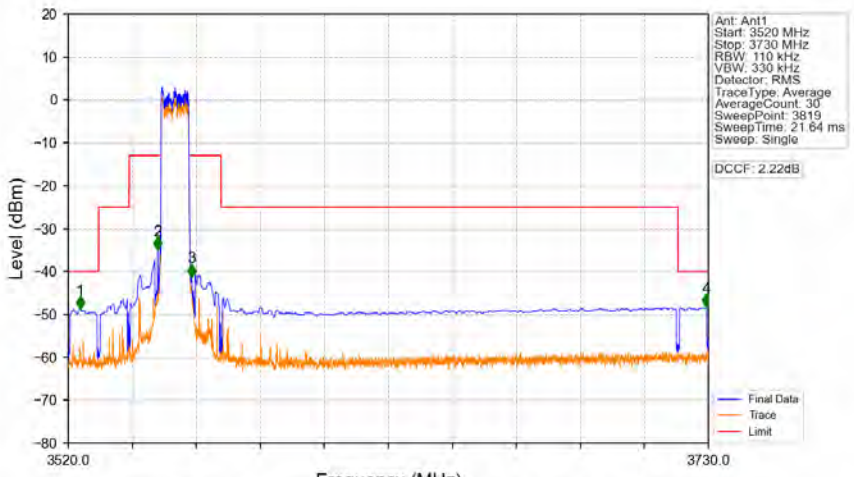

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.89	1	CHP	1	3523.960	-48.79	-40	Pass
3548.89	3549.89	0.11	/	2	3549.371	-35.08	-13	Pass
3549.89	3560.11	0.11	/	/	/	/	/	/
3560.11	3561.11	0.11	/	3	3560.372	-41.31	-13	Pass
3561.11	3730	1	CHP	4	3729.340	-48.26	-40	Pass

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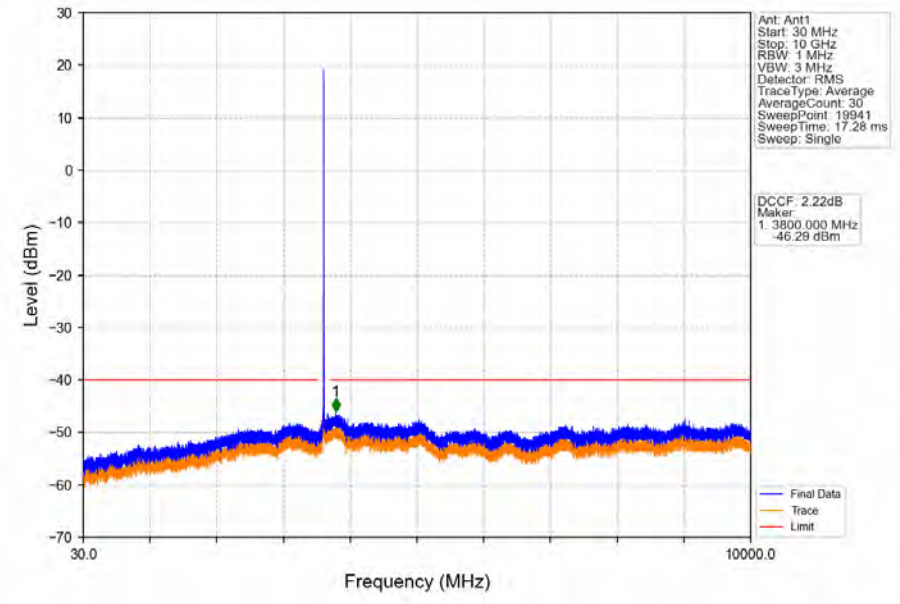

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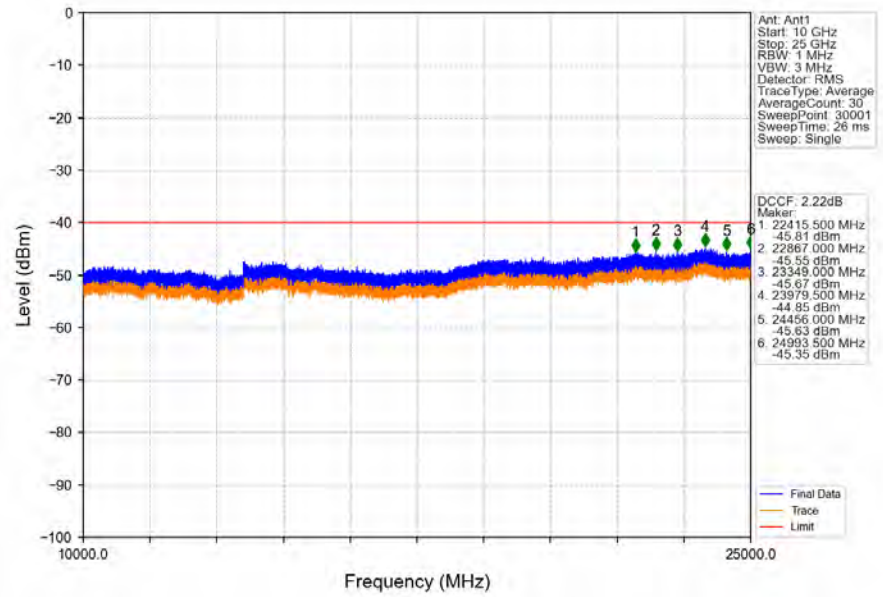

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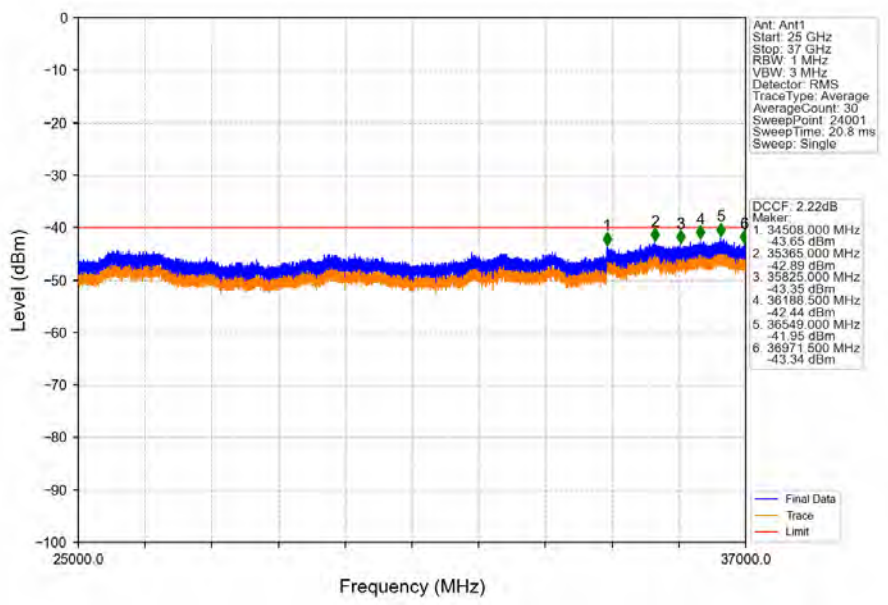

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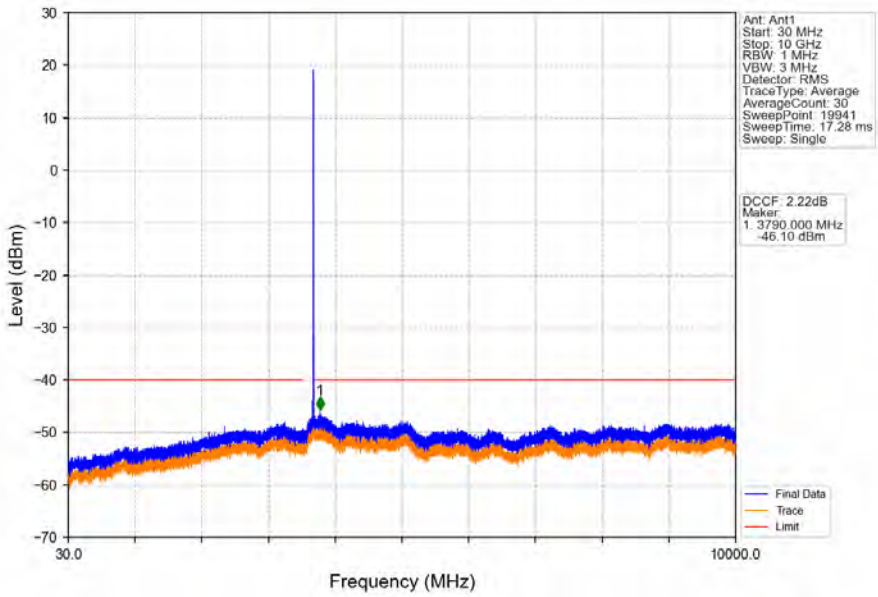

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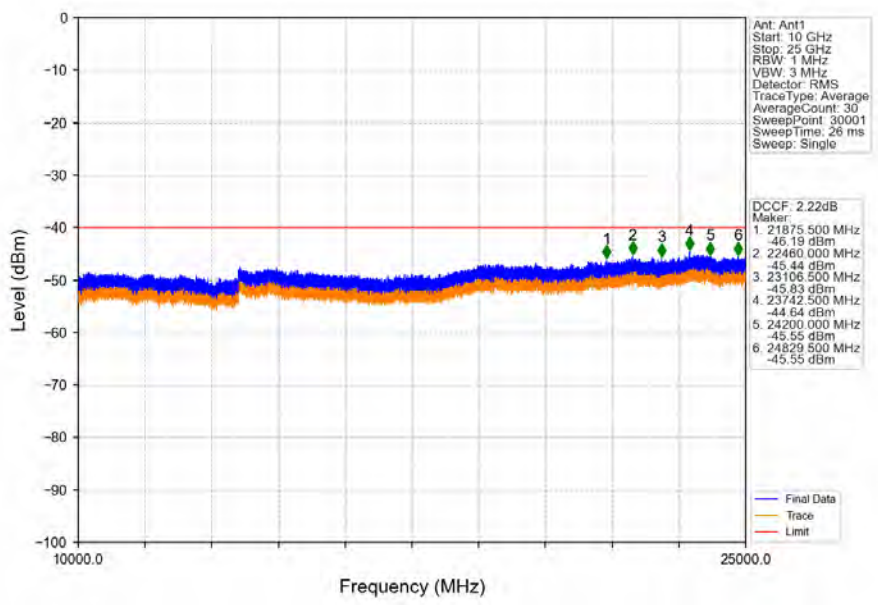

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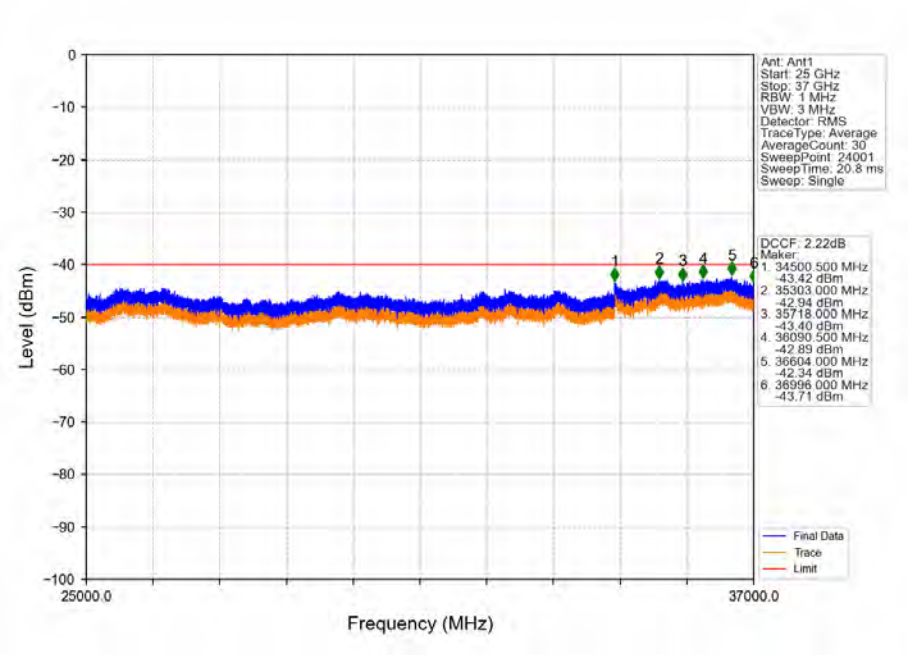

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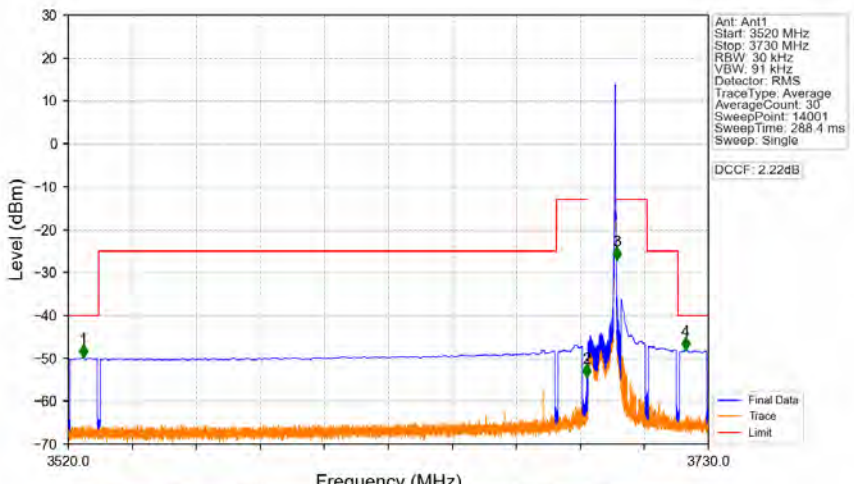

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.155	1	CHP	1	3524.980	-49.97	-40	Pass
3689.155	3690.155	0.03	/	2	3690.145	-54.46	-13	Pass
3690.155	3699.845	0.03	/	/	/	/	/	/
3699.845	3700.845	0.03	/	3	3699.850	-27.21	-13	Pass
3700.845	3730	1	CHP	4	3722.560	-48.17	-40	Pass

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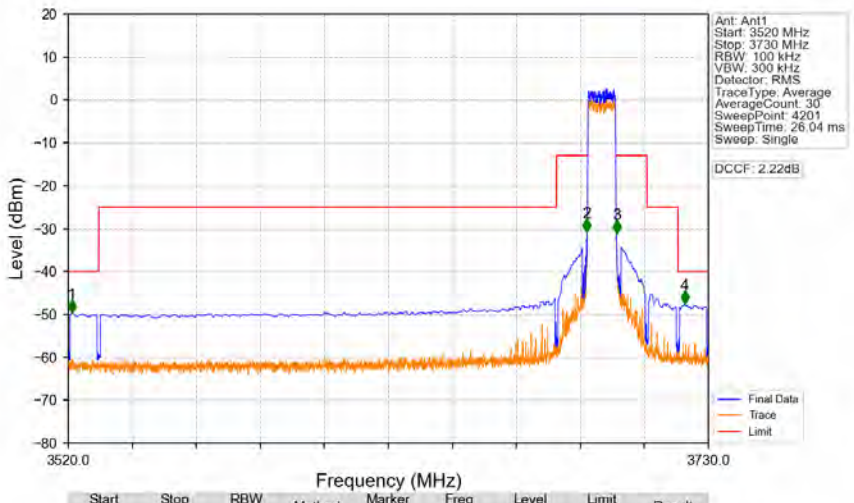

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.155	1	CHP	1	3521.250	-49.66	-40	Pass
3689.155	3690.155	0.1	/	2	3690.150	-30.84	-13	Pass
3690.155	3699.845	0.1	/	/	/	/	/	/
3699.845	3700.845	0.1	/	3	3699.850	-31.14	-13	Pass
3700.845	3730	1	CHP	4	3722.200	-47.62	-40	Pass

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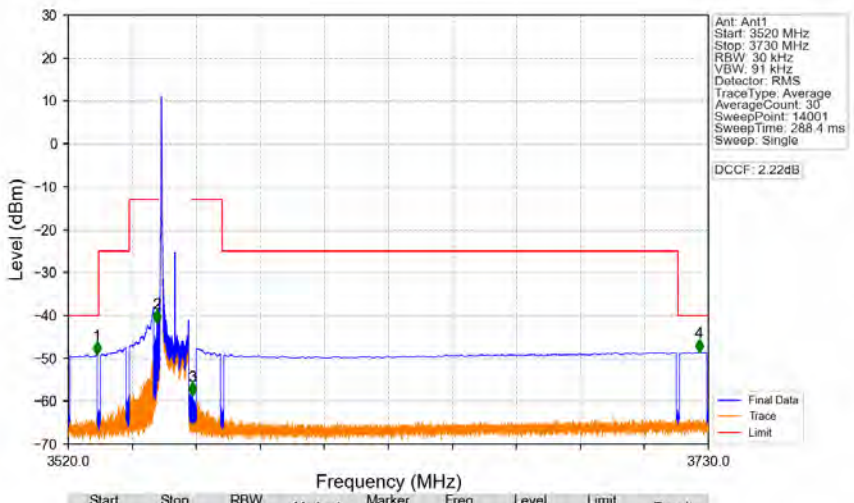

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.524	1	CHP	1	3529.390	-49.23	-40	Pass
3548.524	3549.524	0.03	/	2	3549.115	-41.77	-13	Pass
3549.524	3560.477	0.03	/	/	/	/	/	/
3560.477	3561.477	0.03	/	3	3560.725	-58.76	-13	Pass
3561.477	3730	1	CHP	4	3726.910	-48.60	-40	Pass

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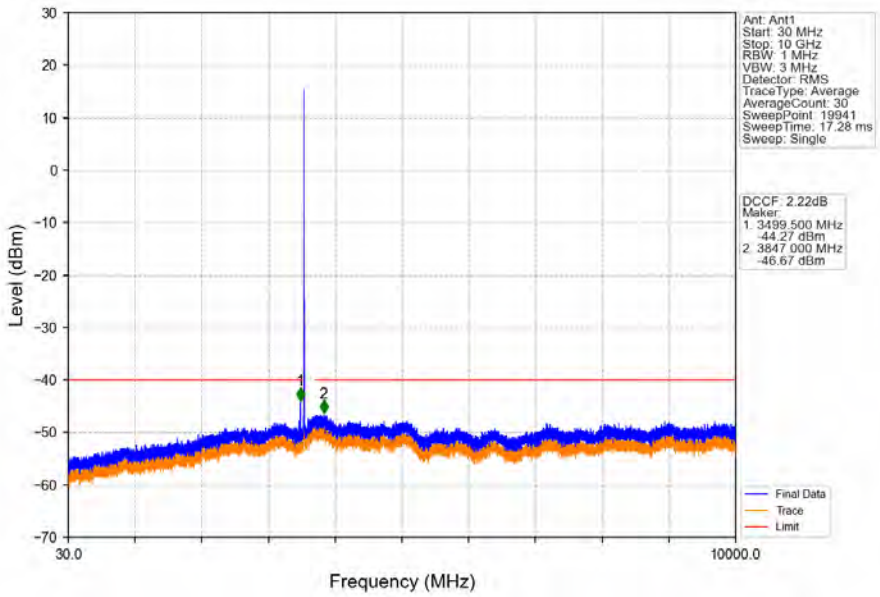

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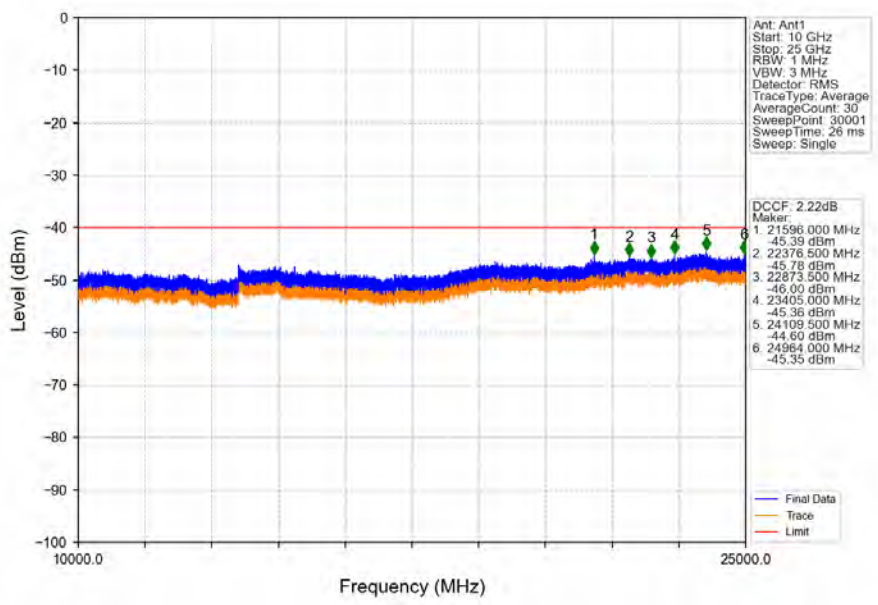

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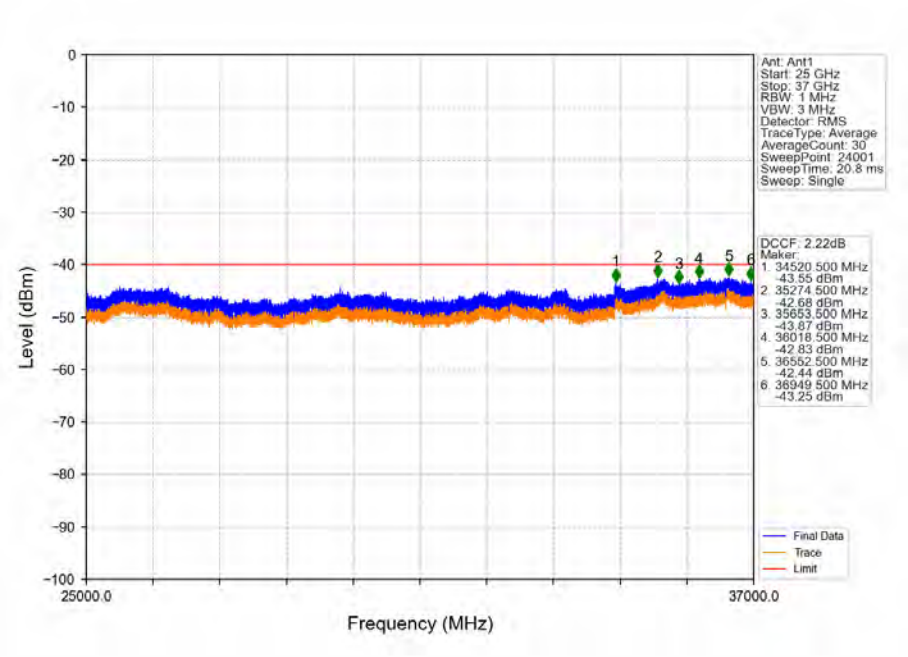

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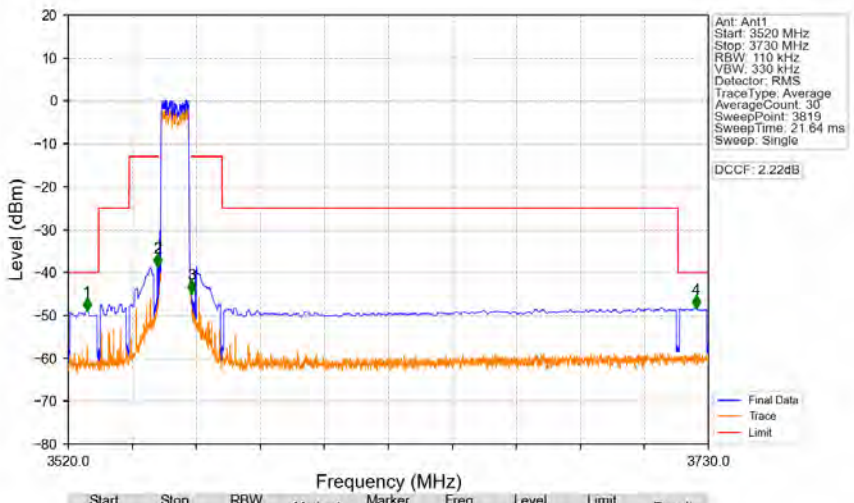

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.524	1	CHP	1	3526.215	-48.92	-40	Pass
3548.524	3549.524	0.11	/	2	3549.316	-38.76	-13	Pass
3549.524	3560.477	0.11	/	/	/	/	/	/
3560.477	3561.477	0.11	/	3	3560.482	-44.90	-13	Pass
3561.477	3730	1	CHP	4	3725.930	-48.41	-40	Pass

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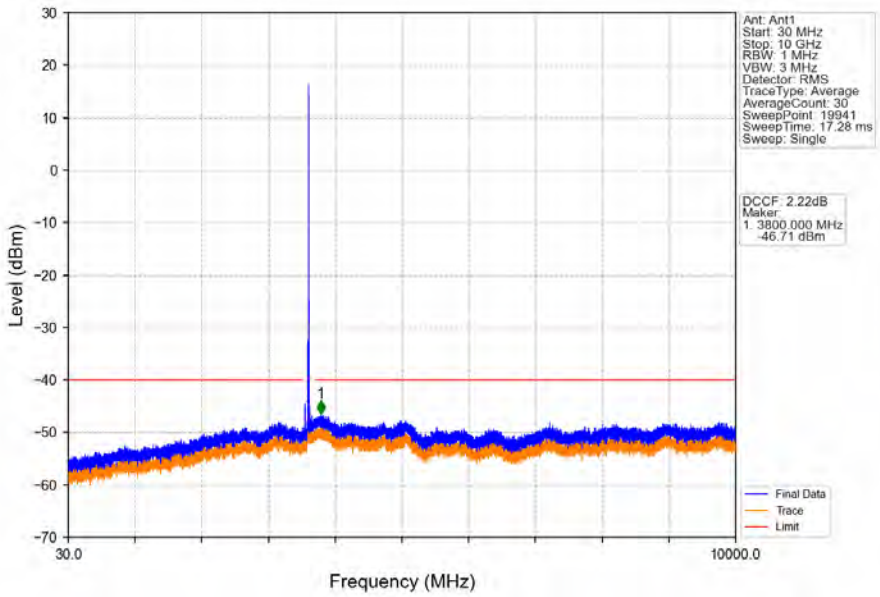

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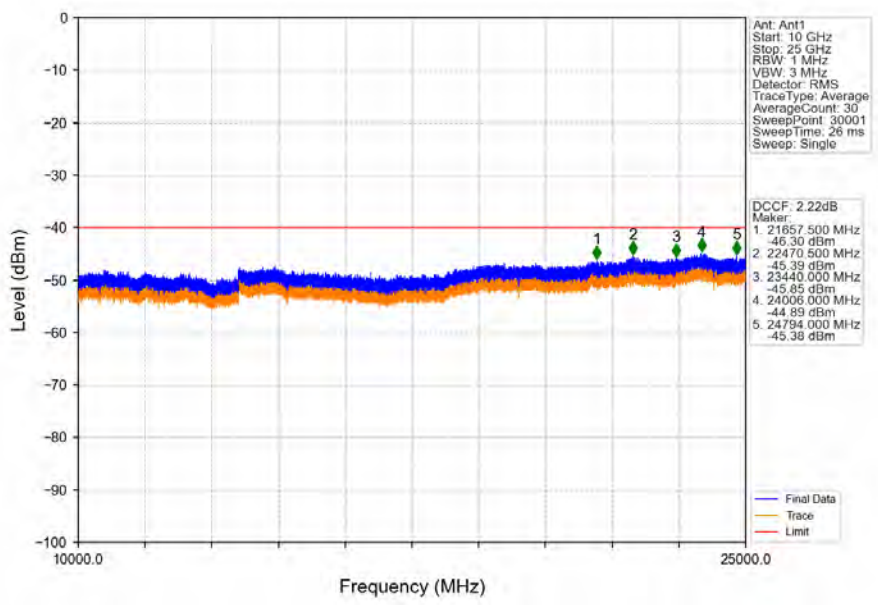

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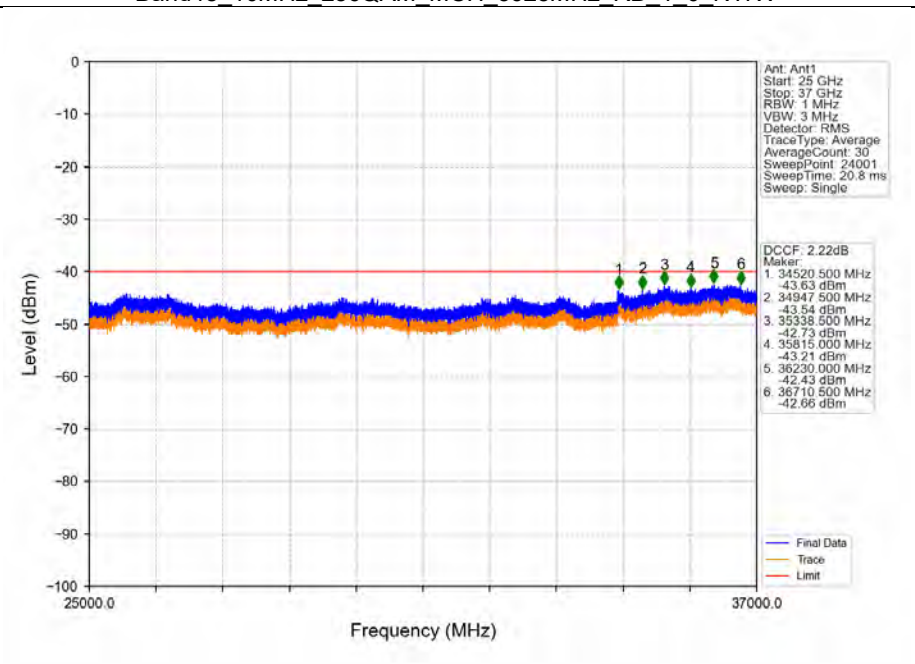

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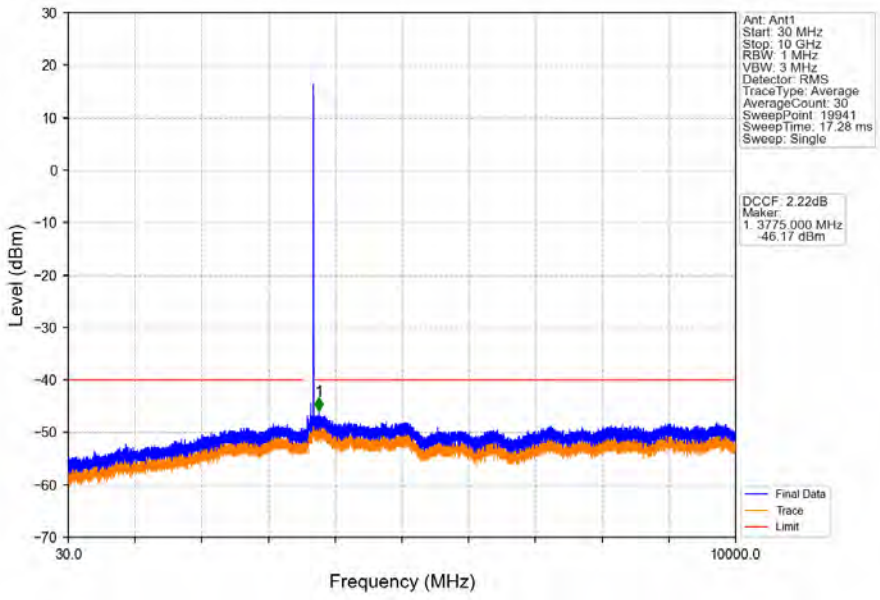

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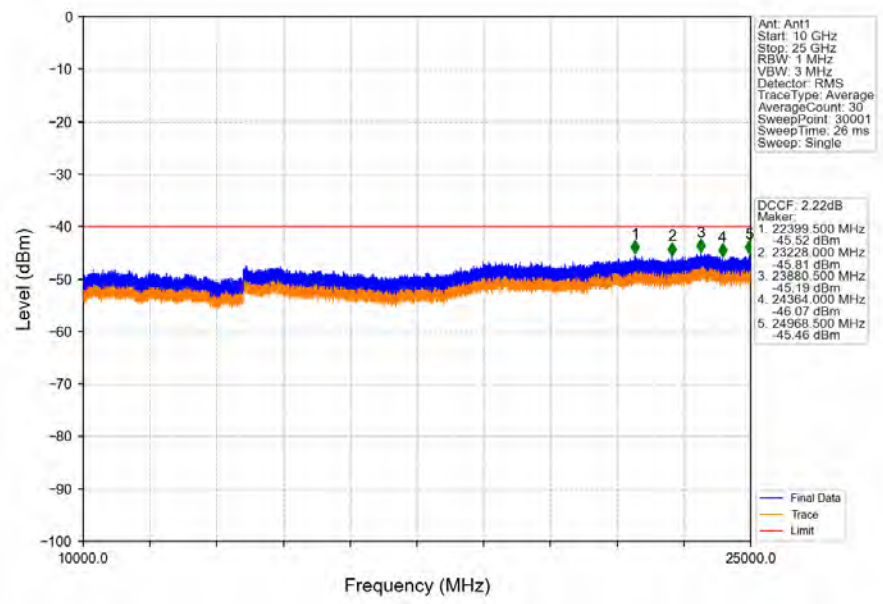

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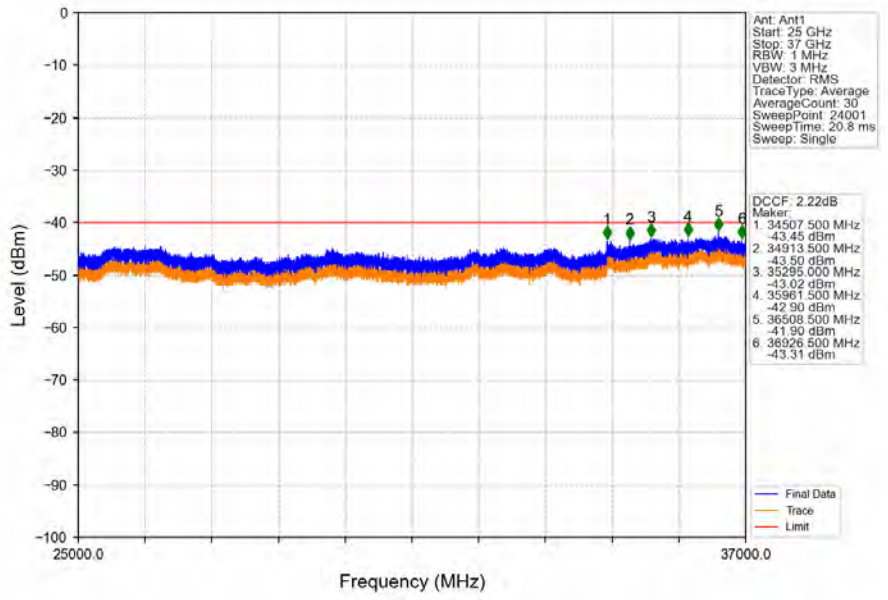

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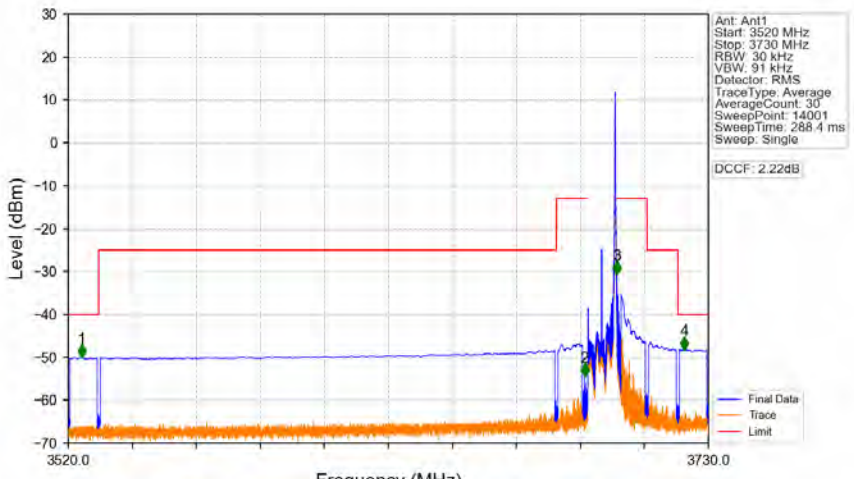
Band48_10MHz_256QAM_HCH_3695MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.147	1	CHP	1	3524.440	-50.07	-40	Pass
3689.147	3690.147	0.03	/	2	3689.440	-54.45	-13	Pass
3690.147	3699.854	0.03	/	/	/	/	/	/
3699.854	3700.854	0.03	/	3	3699.895	-30.62	-13	Pass
3700.854	3730	1	CHP	4	3722.155	-48.24	-40	Pass

Band48_10MHz_256QAM_HCH_3695MHz_RB_50_0_NTNV

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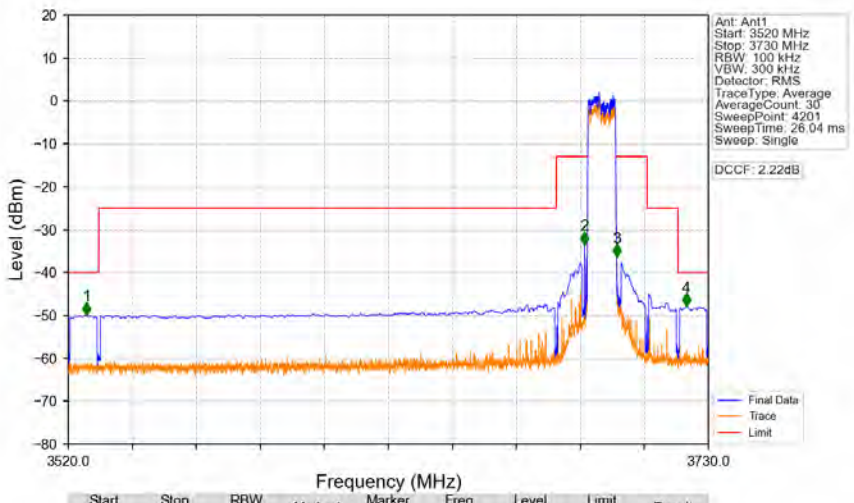

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.147	1	CHP	1	3526.000	-49.96	-40	Pass
3689.147	3690.147	0.1	/	2	3689.400	-33.56	-13	Pass
3690.147	3699.854	0.1	/	/	/	/	/	/
3699.854	3700.854	0.1	/	3	3699.900	-36.44	-13	Pass
3700.854	3730	1	CHP	4	3722.750	-47.92	-40	Pass

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5.3 B48_15MHz

5.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
256QAM	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	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

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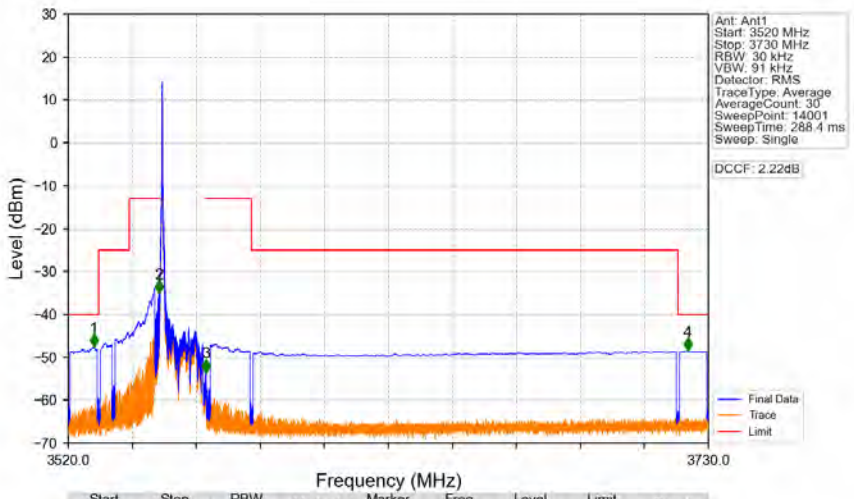

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.87	1	CHP	1	3528.370	-47.67	-40	Pass
3548.87	3549.87	0.03	/	2	3549.760	-35.04	-13	Pass
3549.87	3565.13	0.03	/	/	/	/	/	/
3565.13	3566.13	0.03	/	3	3565.150	-53.53	-13	Pass
3566.13	3730	1	CHP	4	3723.205	-48.53	-40	Pass

Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

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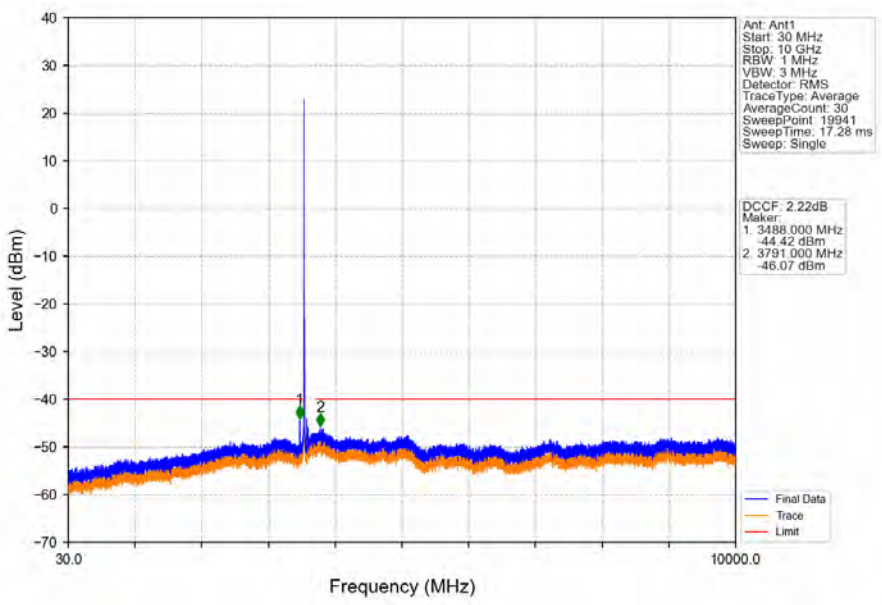

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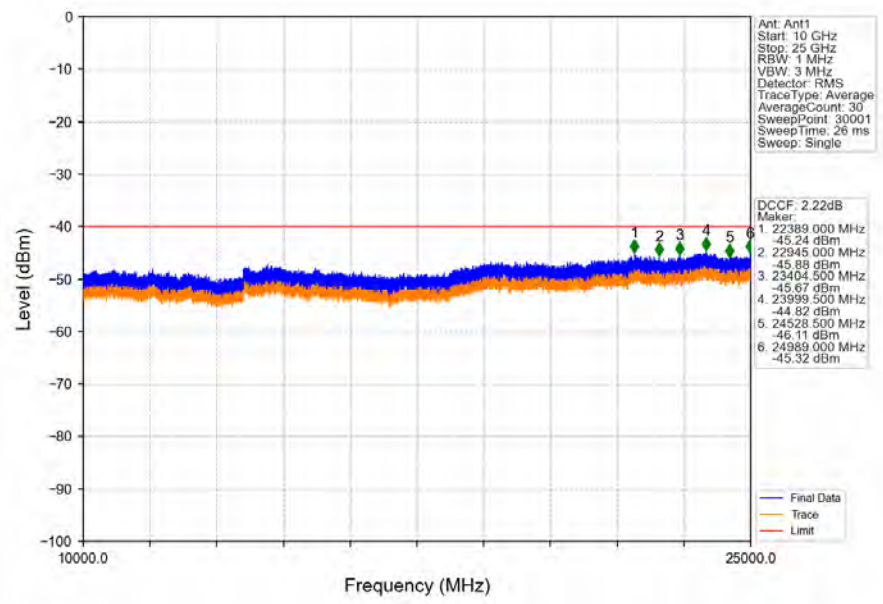

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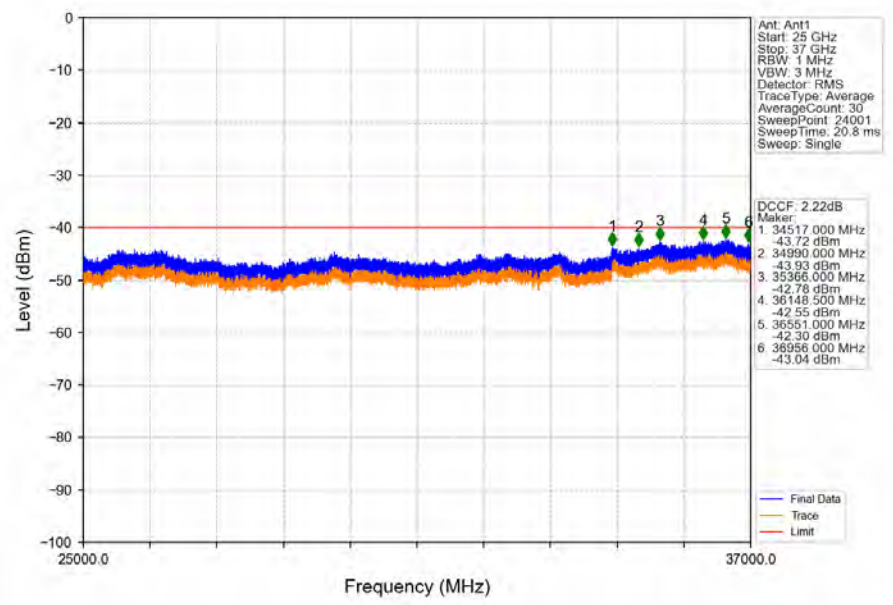

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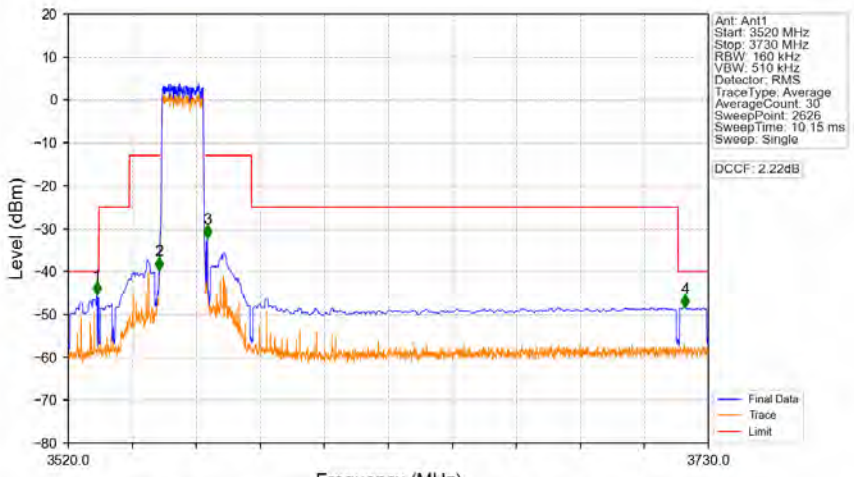

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.87	1	CHP	1	3529.440	-45.47	-40	Pass
3548.87	3549.87	0.16	/	2	3549.760	-39.73	-13	Pass
3549.87	3565.13	0.16	/	/	/	/	/	/
3565.13	3566.13	0.16	/	3	3565.600	-32.21	-13	Pass
3566.13	3730	1	CHP	4	3722.400	-48.42	-40	Pass

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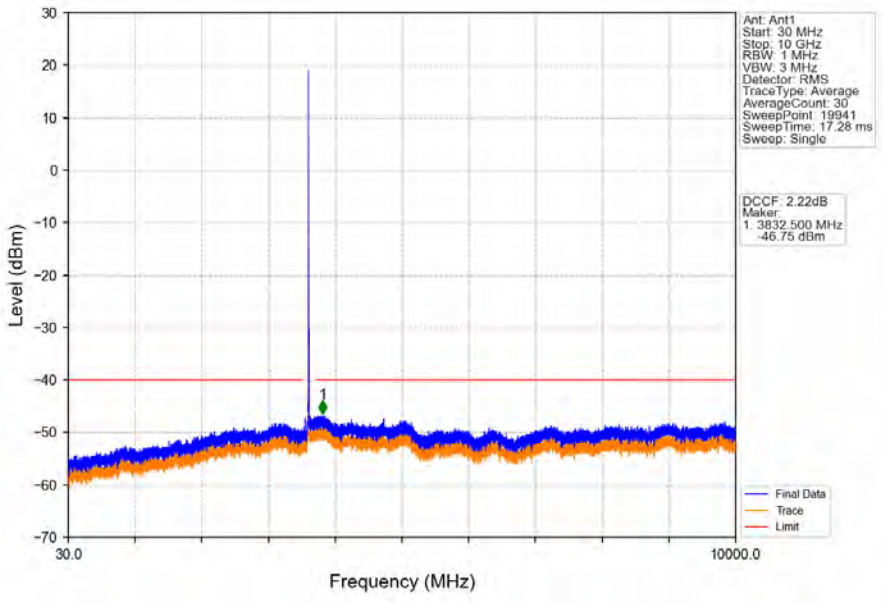

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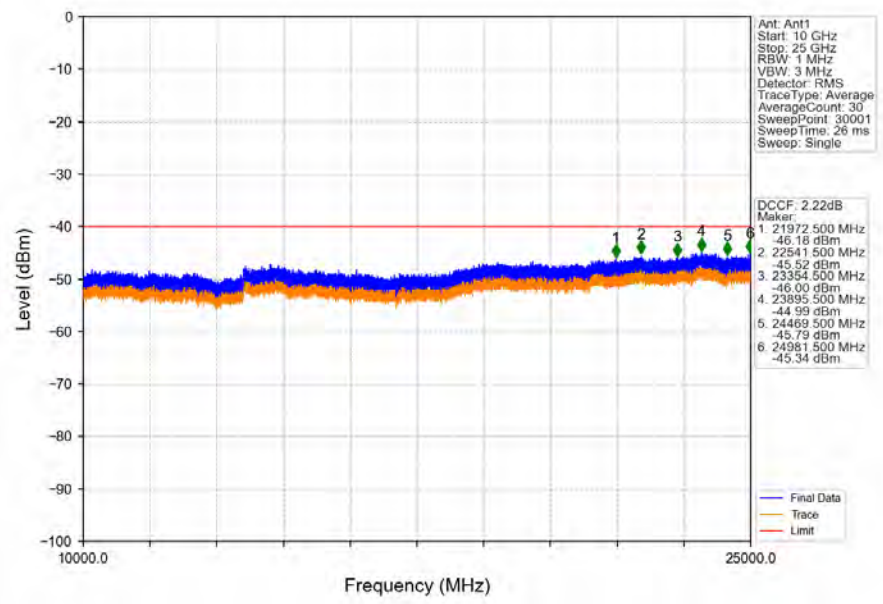

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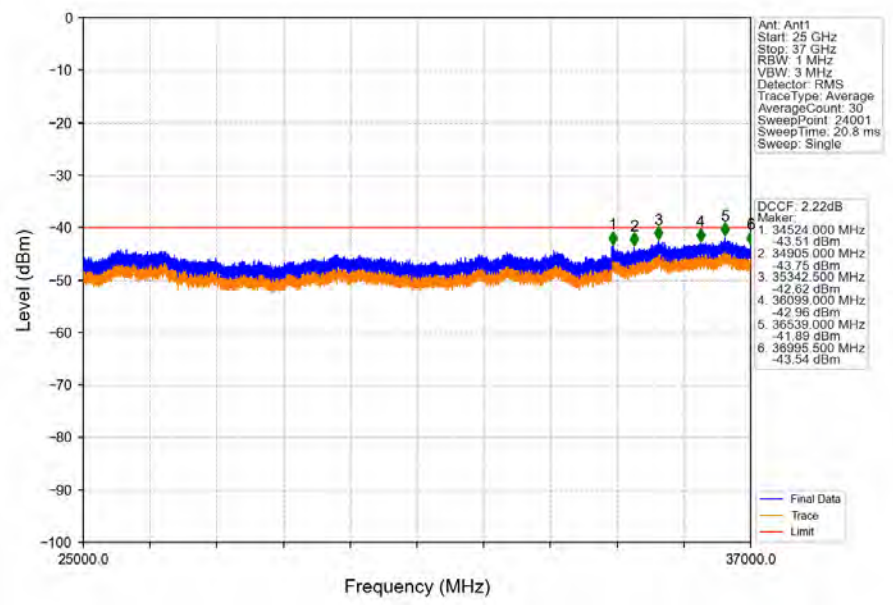

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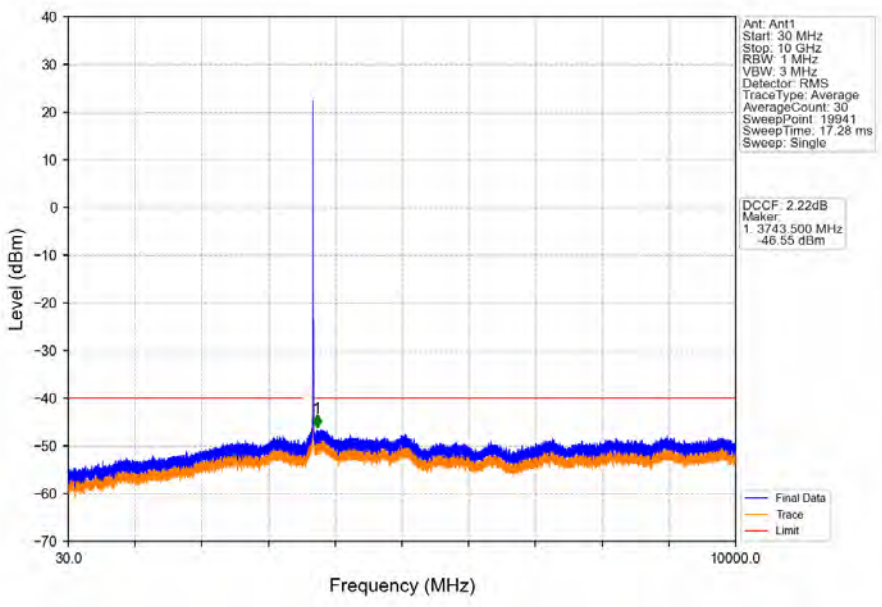
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



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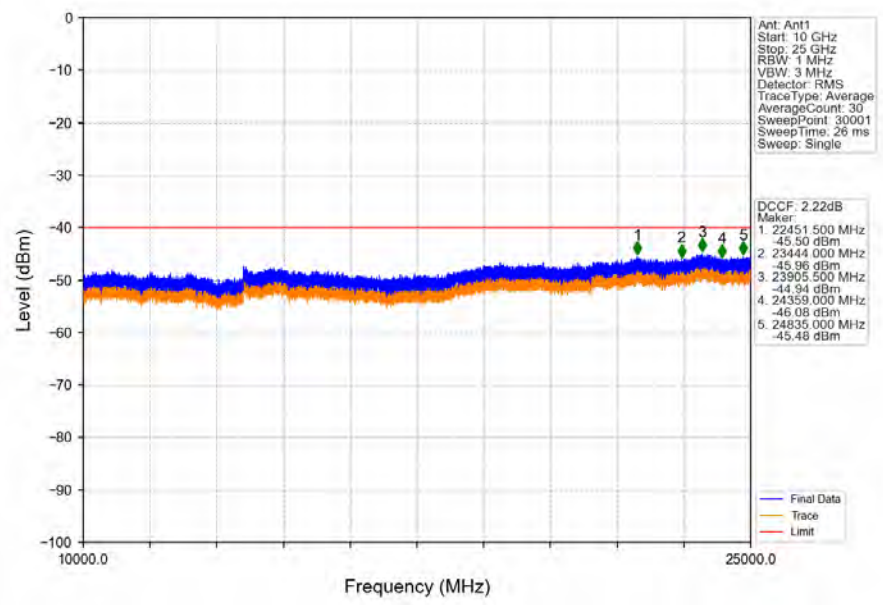

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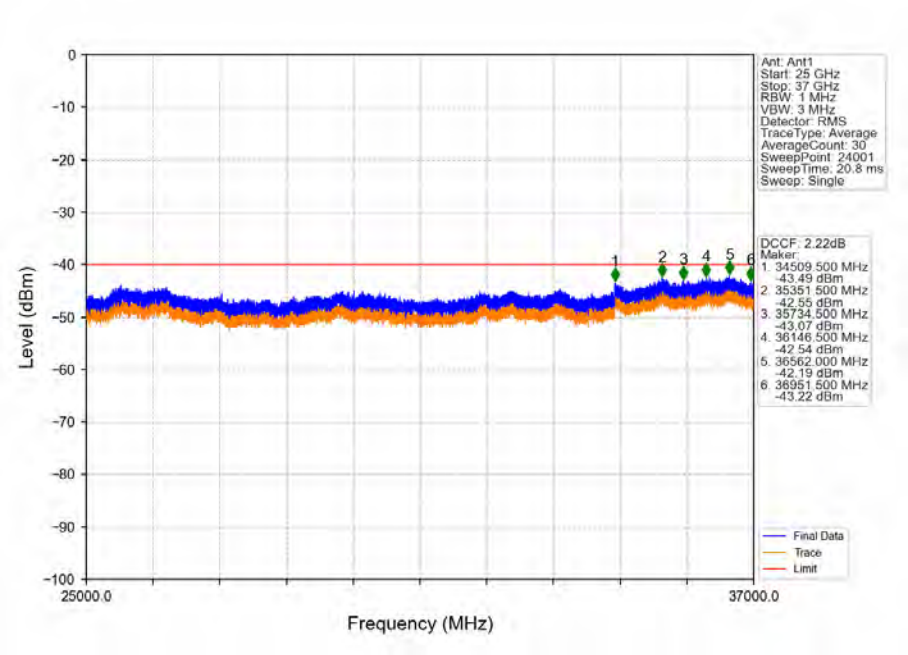

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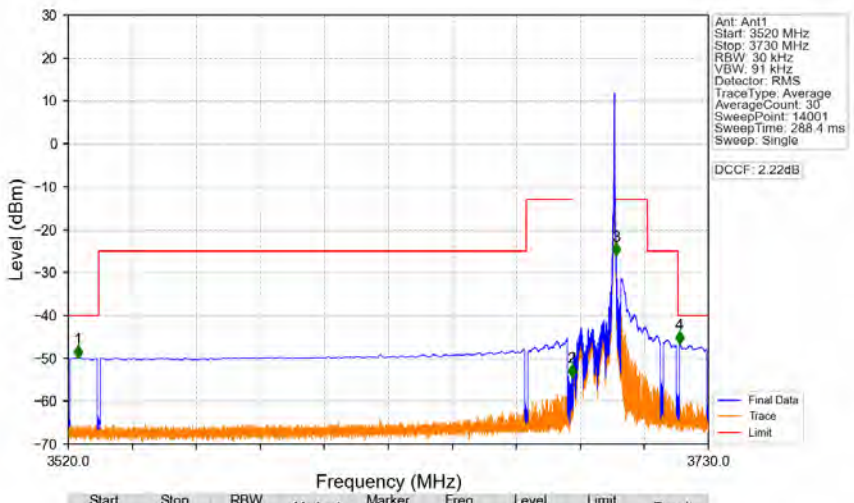

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.25	1	CHP	1	3523.195	-49.99	-40	Pass
3684.25	3685.25	0.03	/	2	3685.240	-54.40	-13	Pass
3685.25	3699.751	0.03	/	/	/	/	/	/
3699.751	3700.751	0.03	/	3	3699.775	-26.10	-13	Pass
3700.751	3730	1	CHP	4	3720.505	-46.66	-40	Pass

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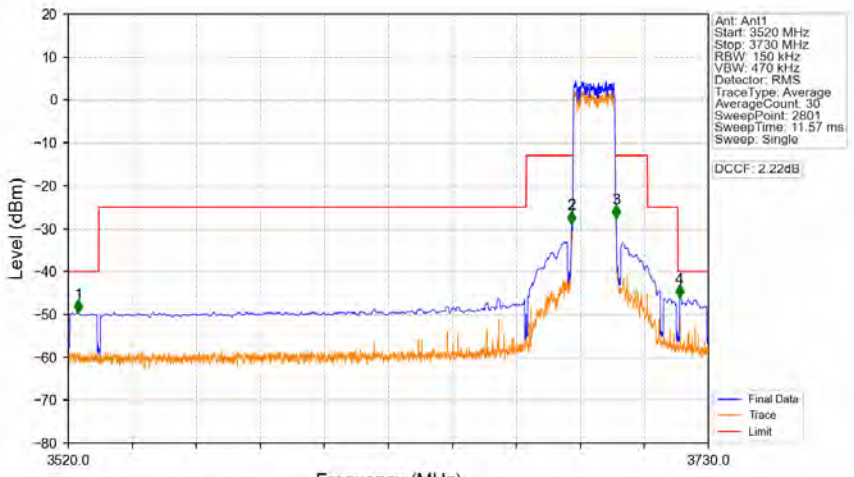

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.25	1	CHP	1	3523.300	-49.61	-40	Pass
3684.25	3685.25	0.15	/	2	3685.150	-28.96	-13	Pass
3685.25	3699.751	0.15	/	/	/	/	/	/
3699.751	3700.751	0.15	/	3	3699.775	-27.57	-13	Pass
3700.751	3730	1	CHP	4	3720.550	-46.13	-40	Pass

Band48_15MHz_16QAM_LCH_3557.5MHz_RB_1_0_NTNV

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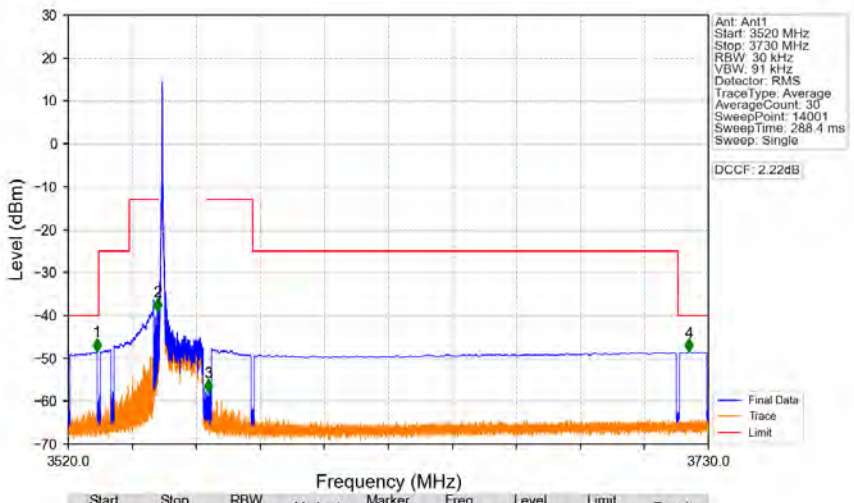

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.512	1	CHP	1	3529.360	-48.42	-40	Pass
3548.512	3549.512	0.03	/	2	3549.295	-39.06	-13	Pass
3549.512	3565.488	0.03	/	/	/	/	/	/
3565.488	3566.488	0.03	/	3	3566.020	-57.91	-13	Pass
3566.488	3730	1	CHP	4	3723.595	-48.51	-40	Pass

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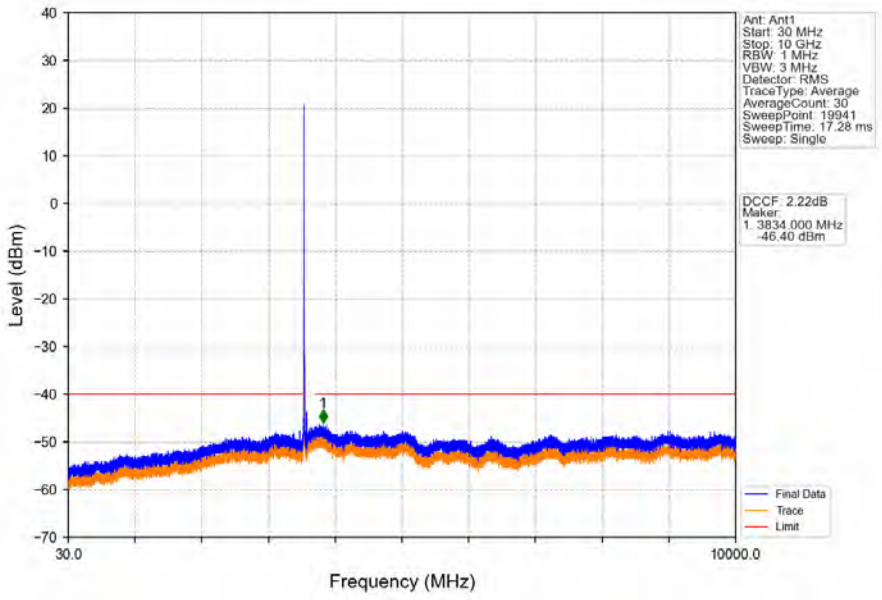

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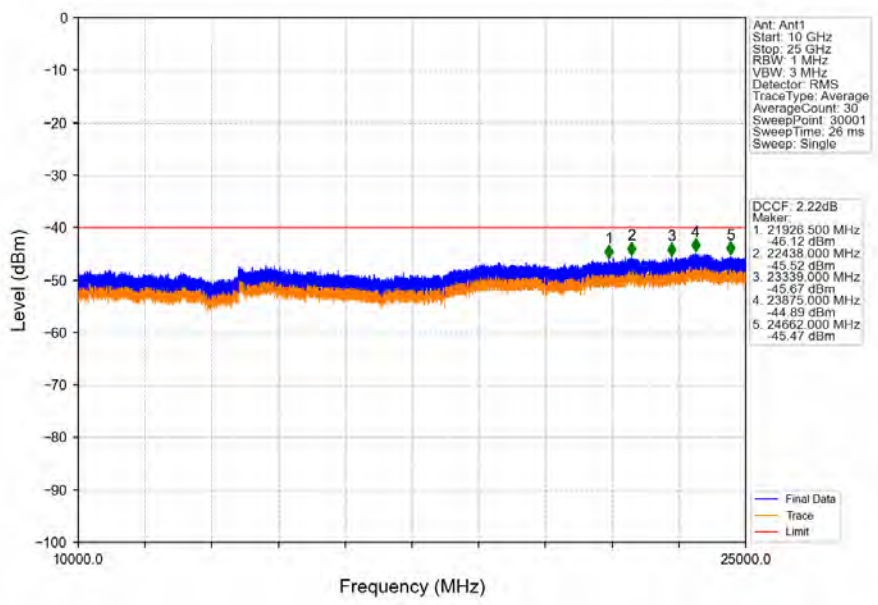

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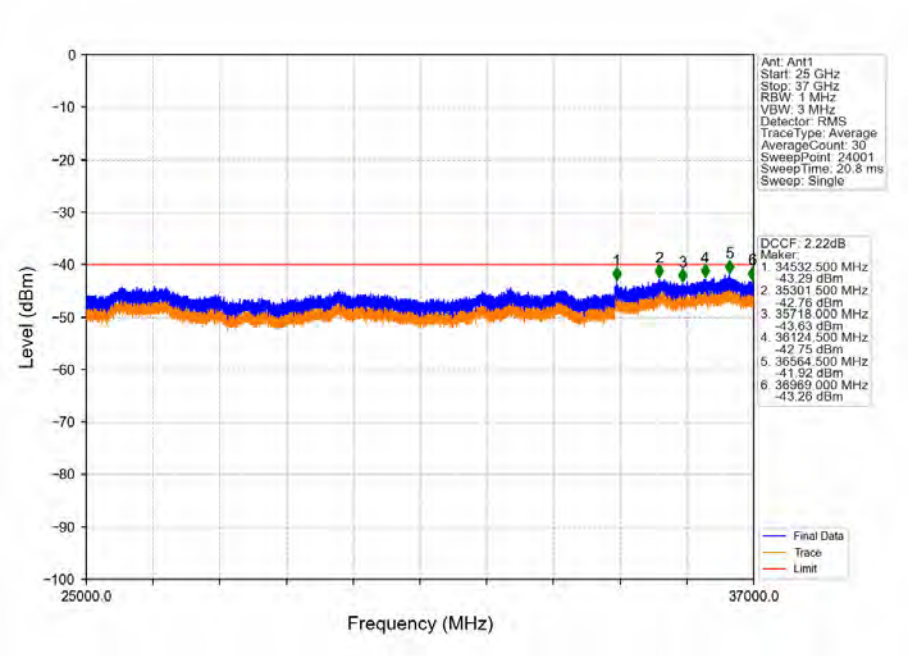

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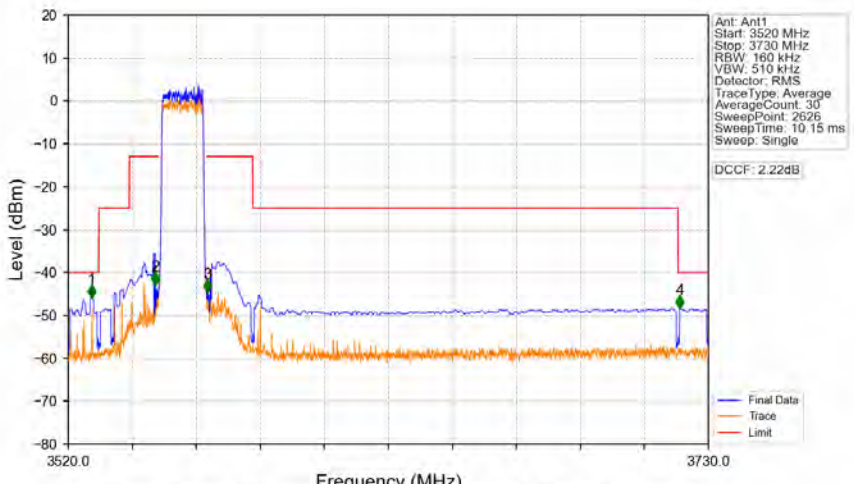

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.512	1	CHP	1	3527.680	-45.93	-40	Pass
3548.512	3549.512	0.16	/	2	3548.560	-43.03	-13	Pass
3549.512	3565.488	0.16	/	/	/	/	/	/
3565.488	3566.488	0.16	/	3	3565.680	-44.73	-13	Pass
3566.488	3730	1	CHP	4	3720.640	-48.43	-40	Pass

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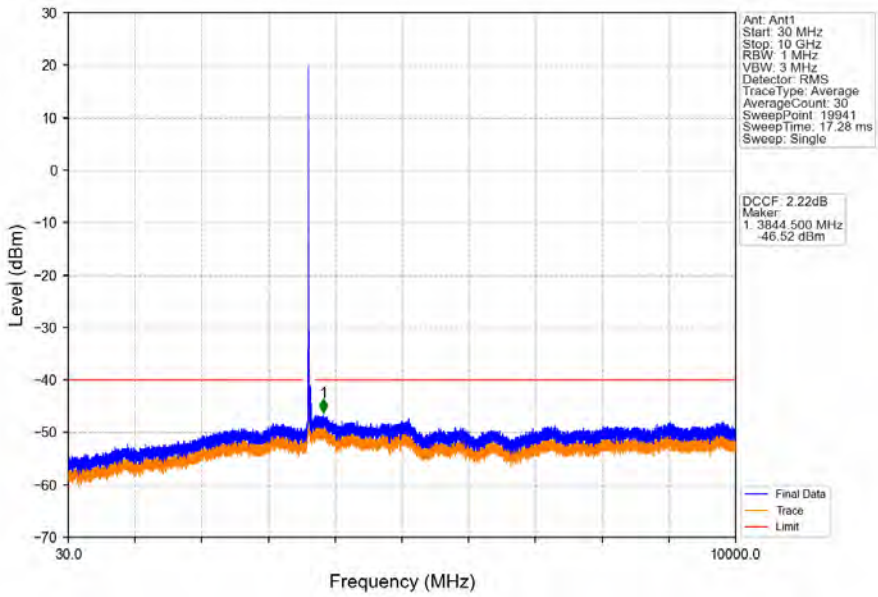

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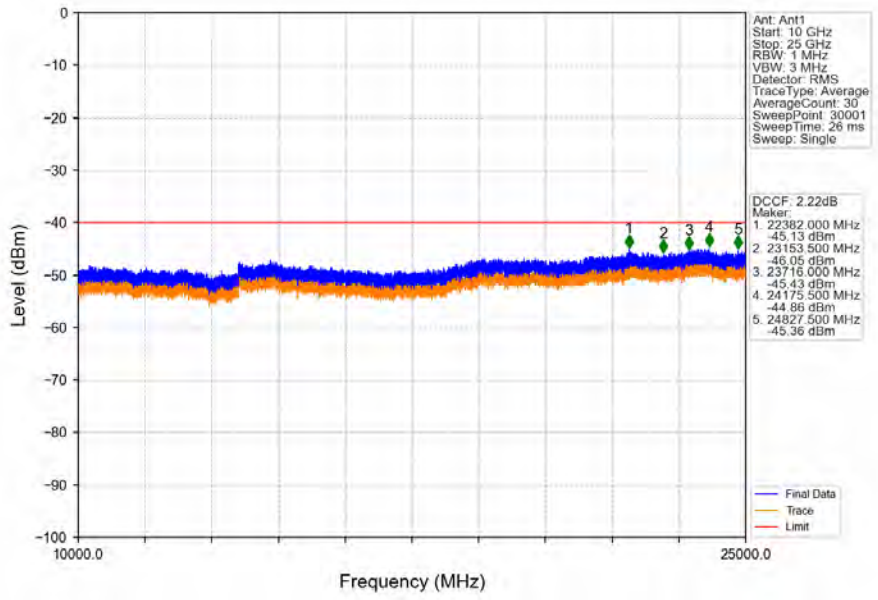

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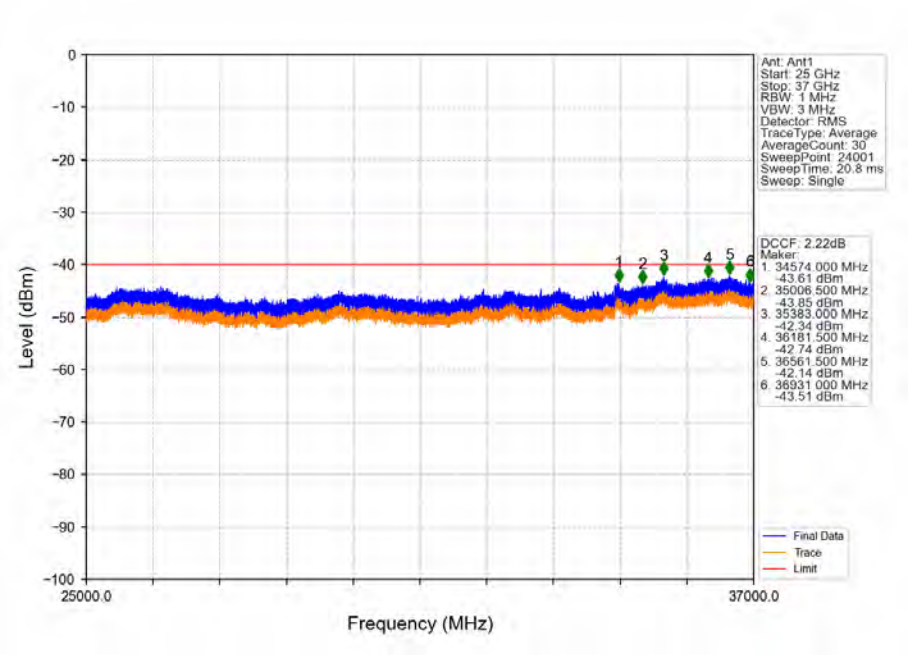
Band48_15MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



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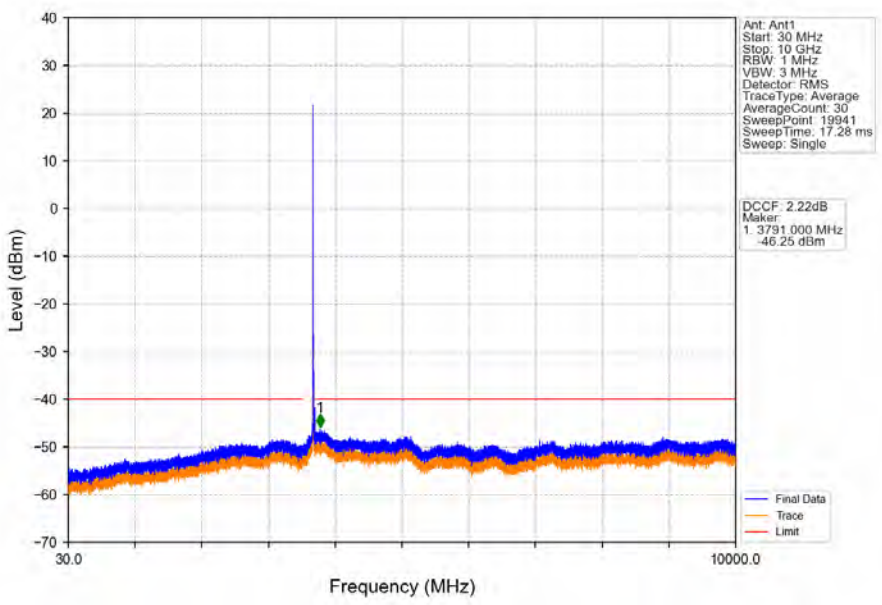

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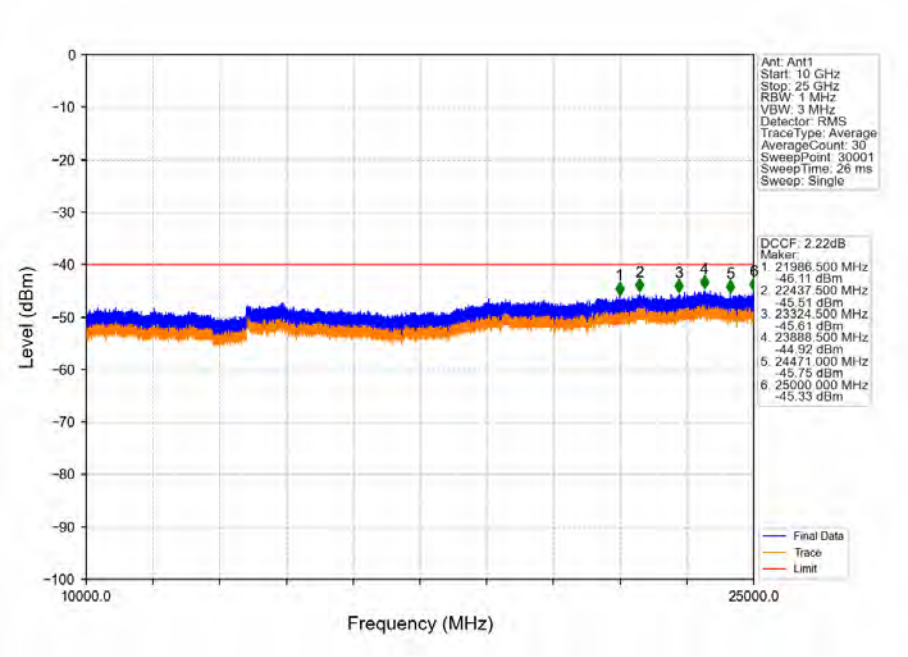

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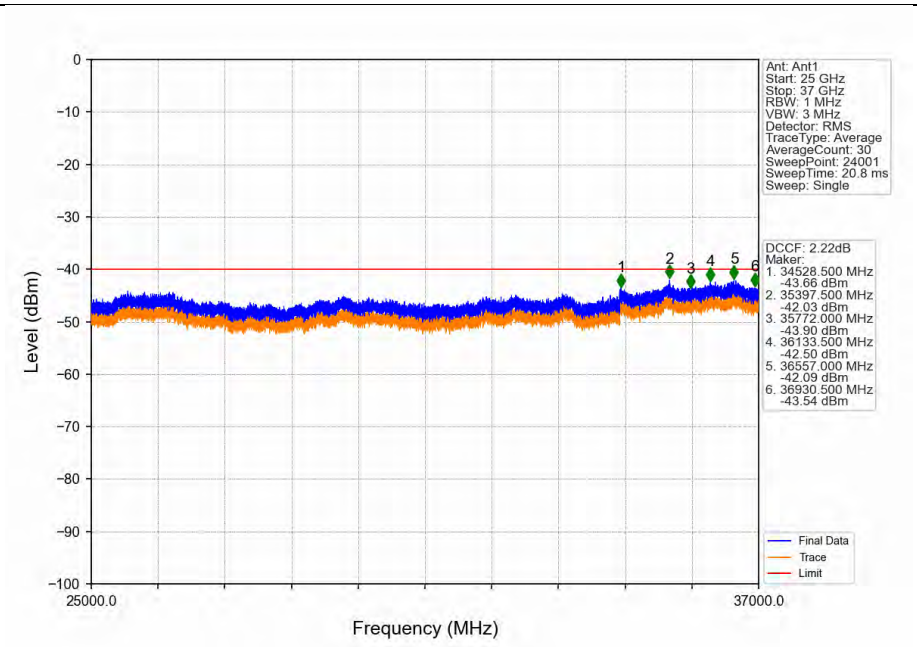

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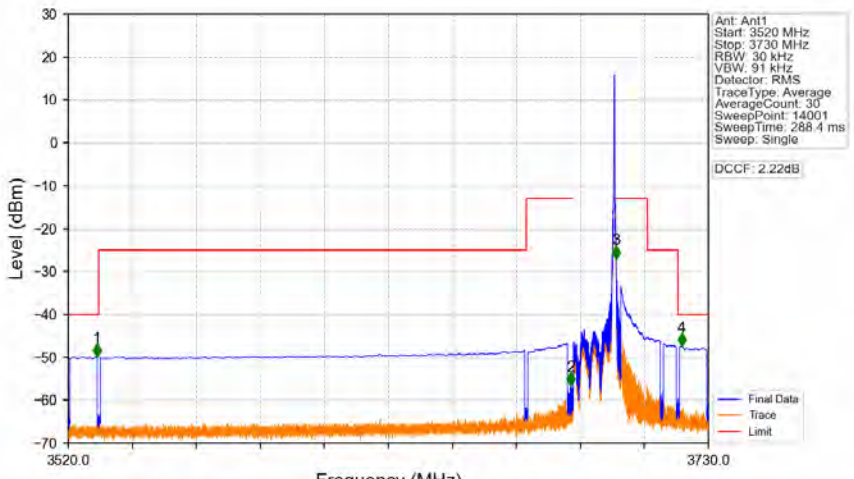

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.259	1	CHP	1	3529.435	-49.95	-40	Pass
3684.259	3685.259	0.03	/	2	3684.910	-56.58	-13	Pass
3685.259	3699.742	0.03	/	/	/	/	/	/
3699.742	3700.742	0.03	/	3	3699.745	-27.06	-13	Pass
3700.742	3730	1	CHP	4	3721.240	-47.48	-40	Pass

Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

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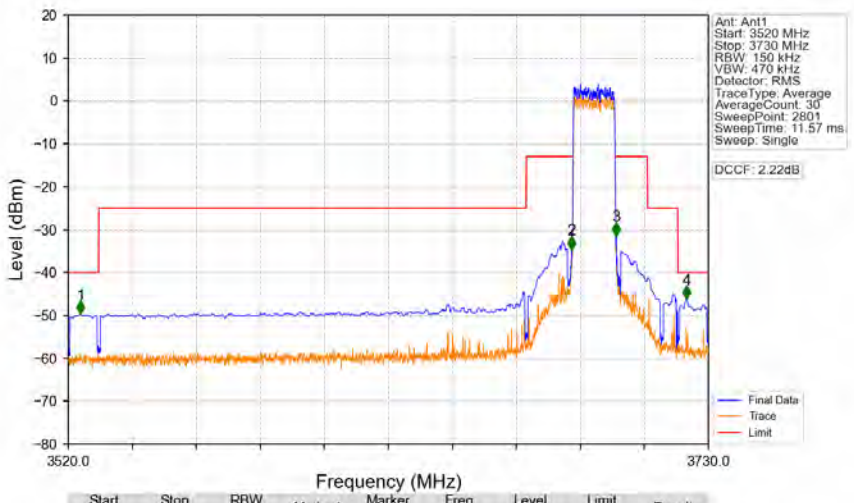

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.259	1	CHP	1	3524.050	-49.74	-40	Pass
3684.259	3685.259	0.15	/	2	3685.150	-34.62	-13	Pass
3685.259	3699.742	0.15	/	/	/	/	/	/
3699.742	3700.742	0.15	/	3	3699.775	-31.43	-13	Pass
3700.742	3730	1	CHP	4	3722.875	-46.20	-40	Pass

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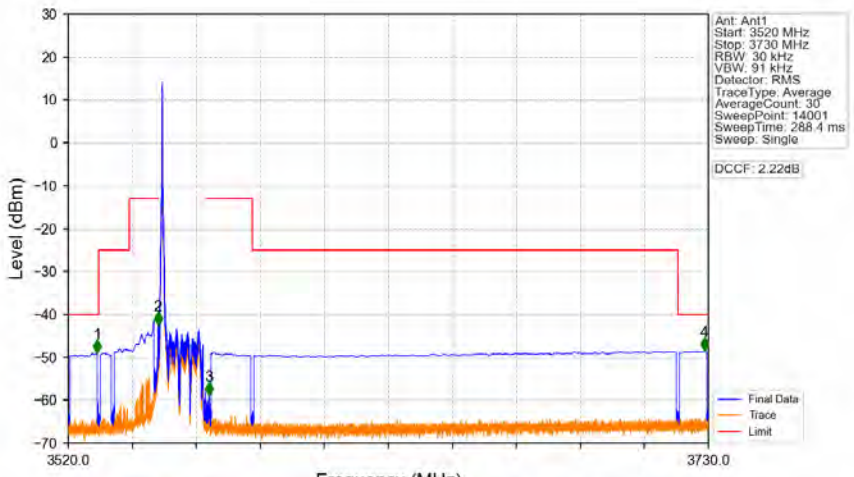

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.617	1	CHP	1	3529.495	-48.97	-40	Pass
3548.617	3549.617	0.03	/	2	3549.445	-42.50	-13	Pass
3549.617	3565.384	0.03	/	/	/	/	/	/
3565.384	3566.384	0.03	/	3	3566.185	-58.91	-13	Pass
3566.384	3730	1	CHP	4	3728.695	-48.56	-40	Pass

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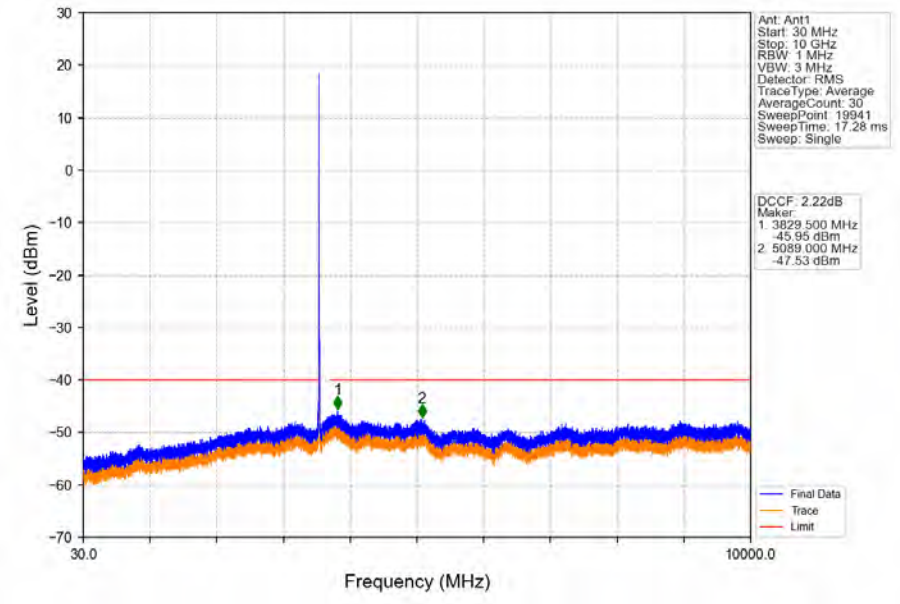

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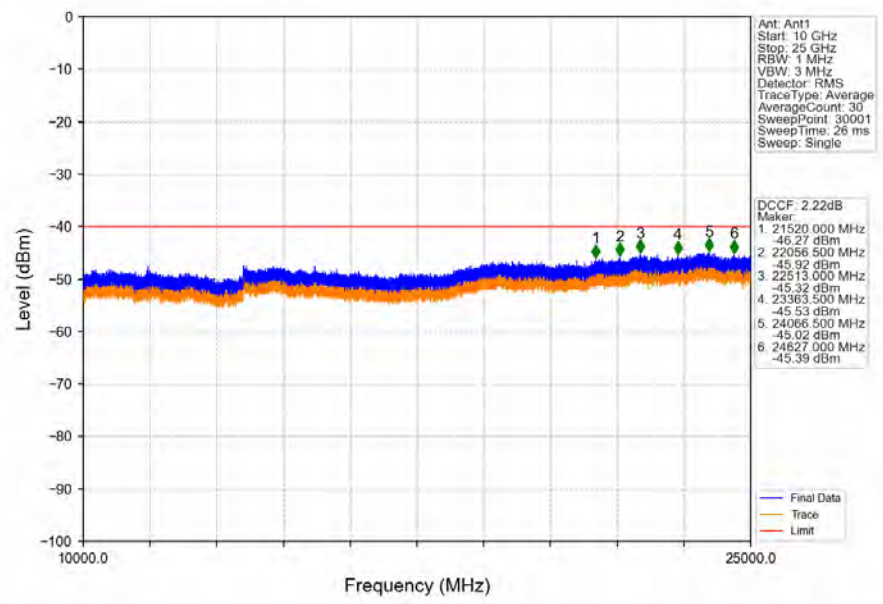

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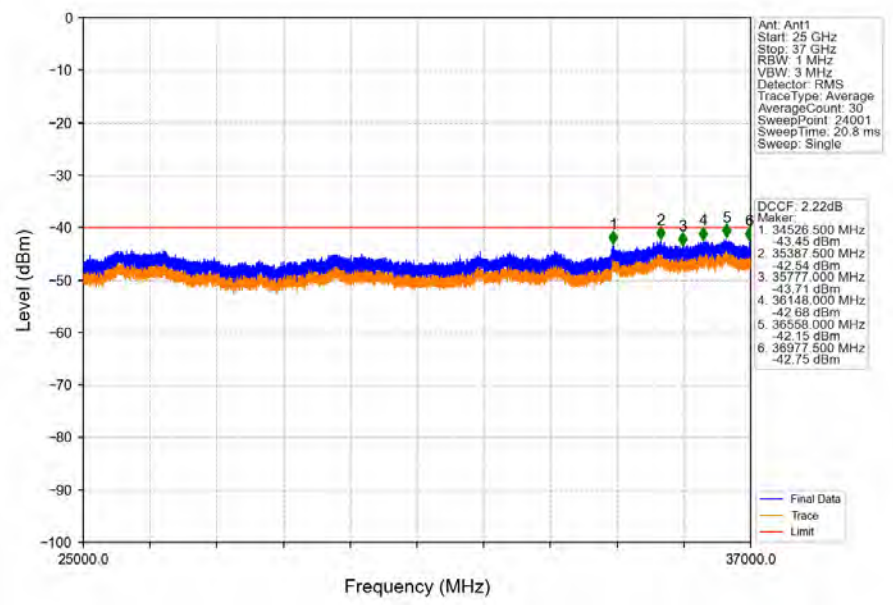

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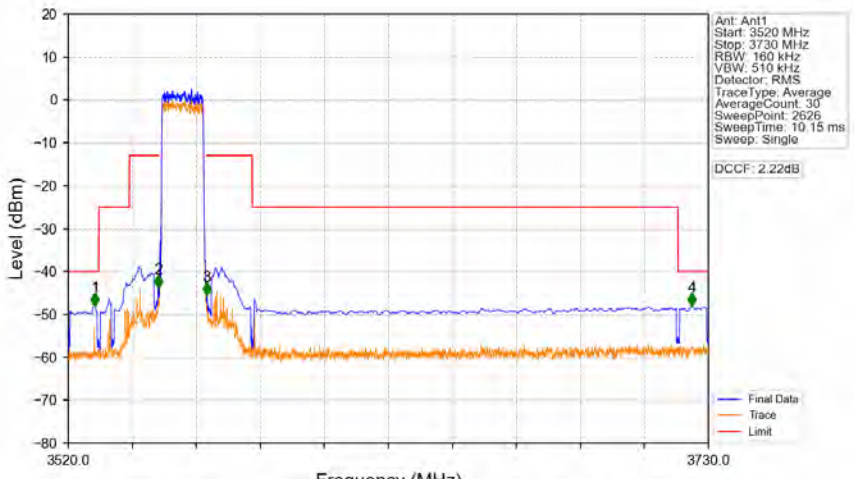

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3520	3548.617	1	CHP	1	3528.720	-48.05	-40	Pass
3548.617	3549.617	0.16	/	2	3549.520	-43.87	-13	Pass
3549.617	3565.384	0.16	/	/	/	/	/	/
3565.384	3566.384	0.16	/	3	3565.520	-45.67	-13	Pass
3566.384	3730	1	CHP	4	3724.560	-48.10	-40	Pass

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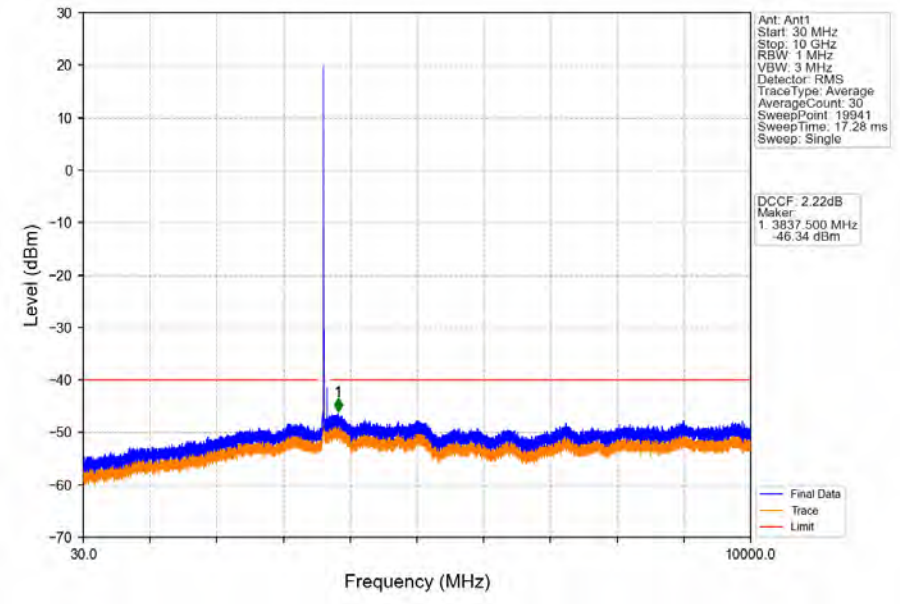

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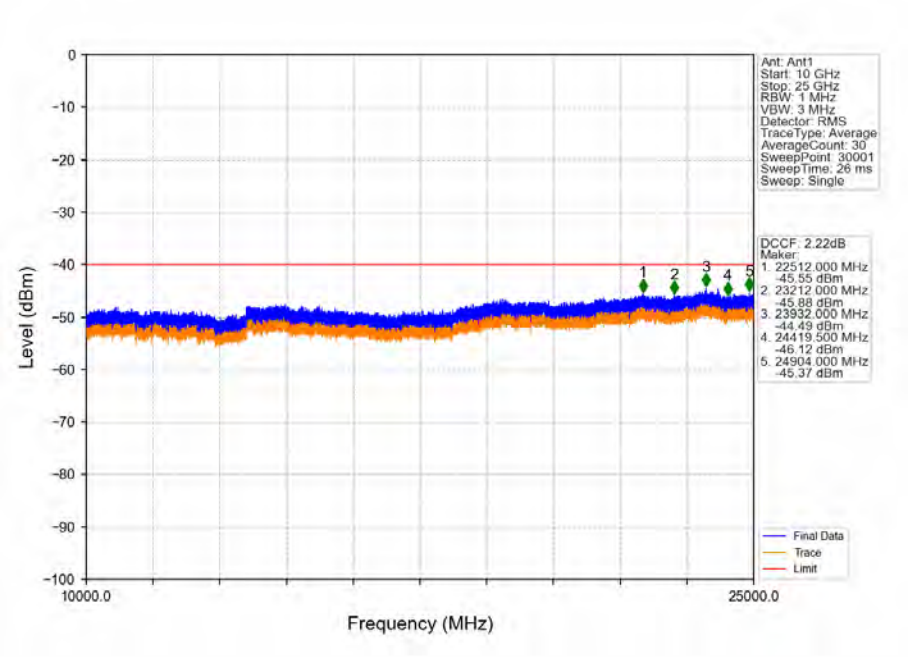
Band48_15MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



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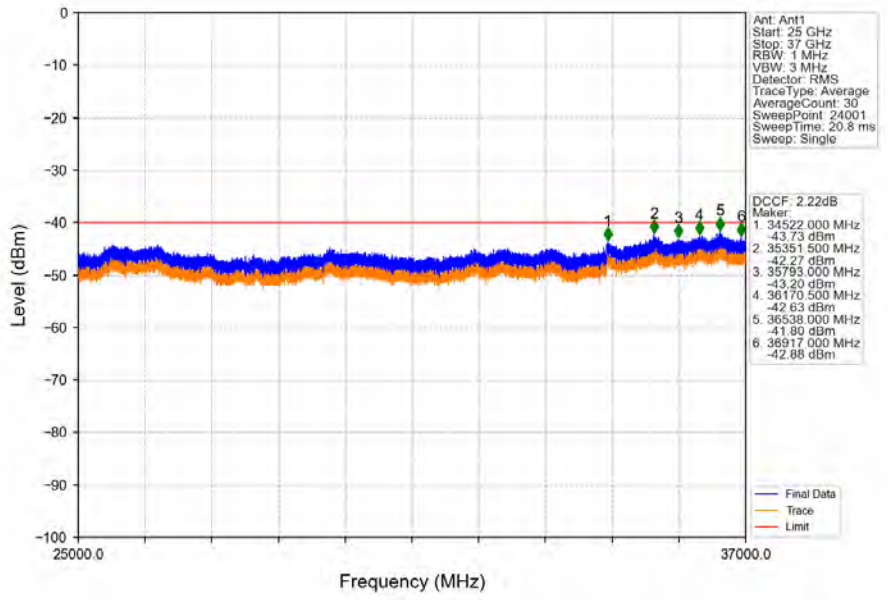

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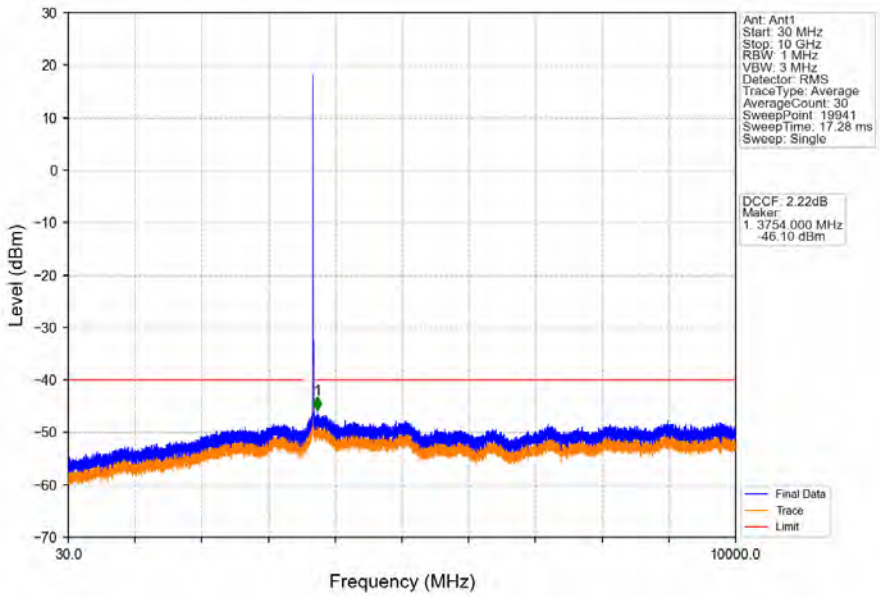
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_1_0_NTNV



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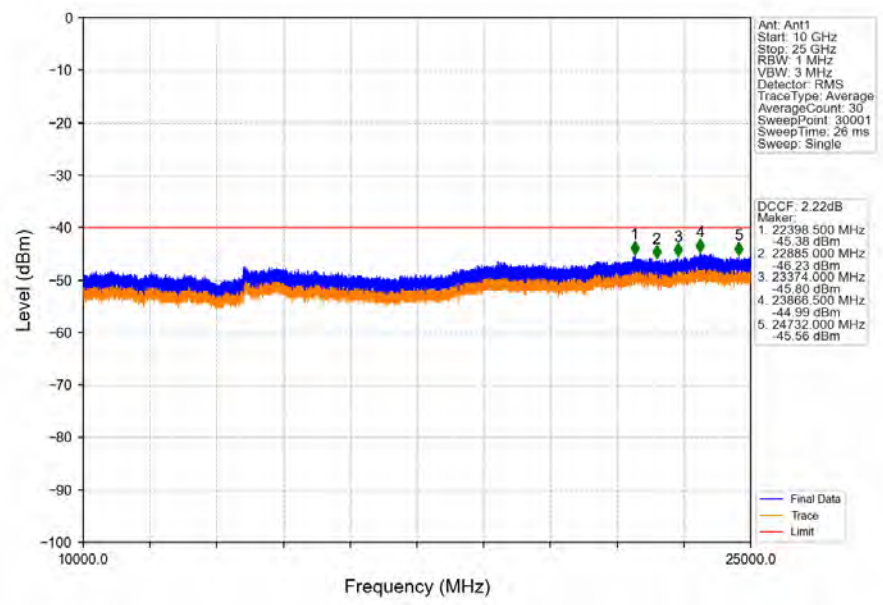

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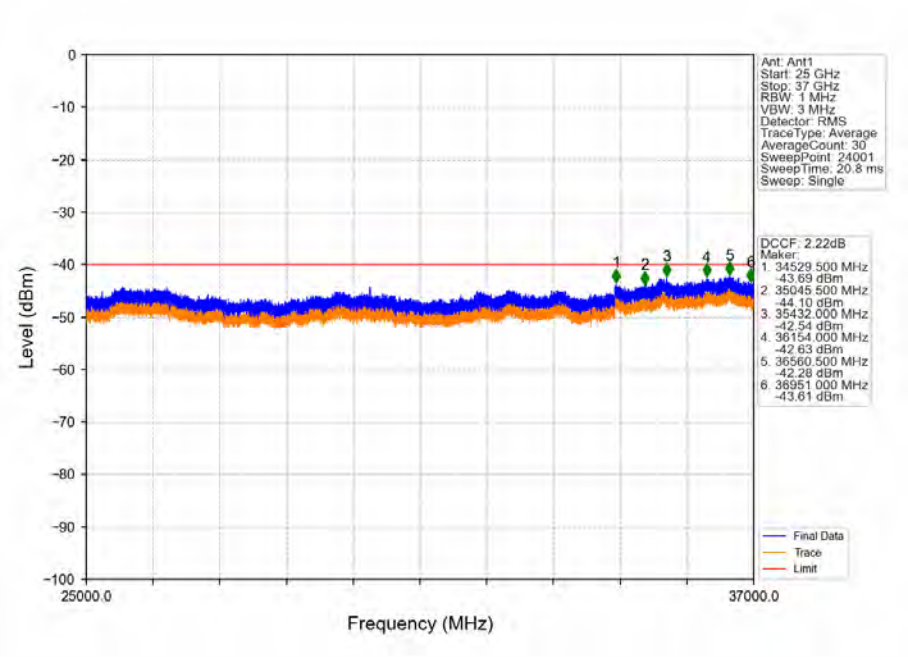

Band48_15MHz_64QAM_HCH_3692.5MHz_RB_1_74_NTNV

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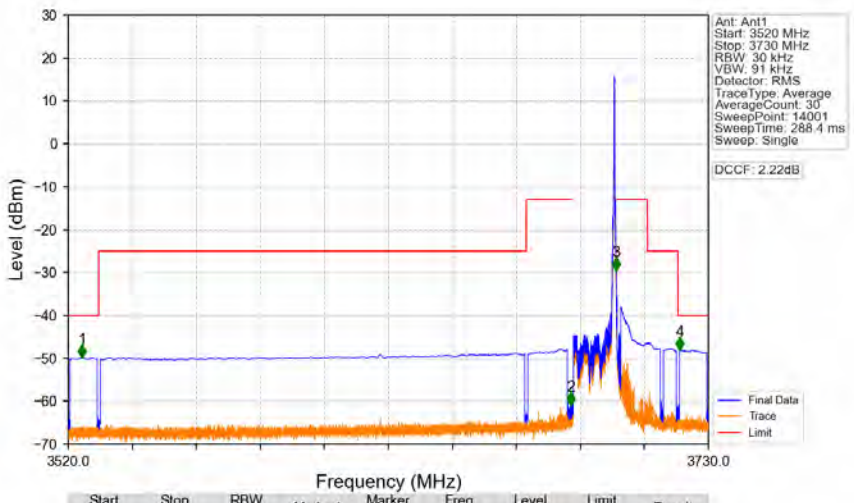

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.247	1	CHP	1	3524.560	-49.92	-40	Pass
3684.247	3685.247	0.03	/	2	3684.850	-60.99	-13	Pass
3685.247	3699.753	0.03	/	/	/	/	/	/
3699.753	3700.753	0.03	/	3	3699.775	-29.64	-13	Pass
3700.753	3730	1	CHP	4	3720.640	-48.10	-40	Pass

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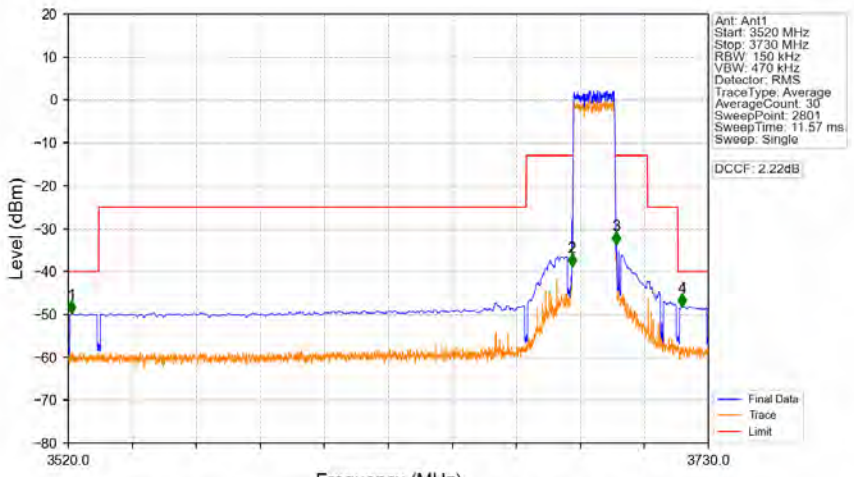

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.247	1	CHP	1	3521.050	-49.83	-40	Pass
3684.247	3685.247	0.15	/	2	3685.225	-38.98	-13	Pass
3685.247	3699.753	0.15	/	/	/	/	/	/
3699.753	3700.753	0.15	/	3	3699.775	-33.80	-13	Pass
3700.753	3730	1	CHP	4	3721.375	-48.25	-40	Pass

Band48_15MHz_256QAM_LCH_3557.5MHz_RB_1_0_NTNV

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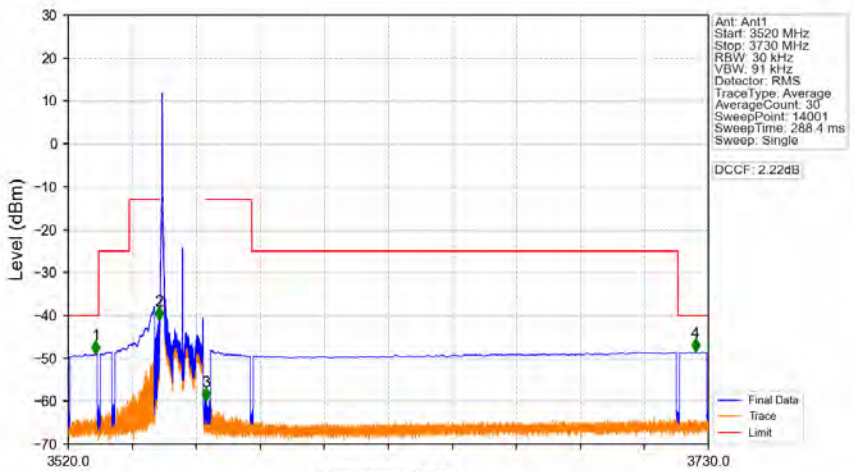

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.809	1	CHP	1	3529.000	-48.97	-40	Pass
3548.809	3549.809	0.03	/	2	3549.730	-41.15	-13	Pass
3549.809	3565.192	0.03	/	/	/	/	/	/
3565.192	3566.192	0.03	/	3	3565.240	-59.90	-13	Pass
3566.192	3730	1	CHP	4	3725.725	-48.50	-40	Pass

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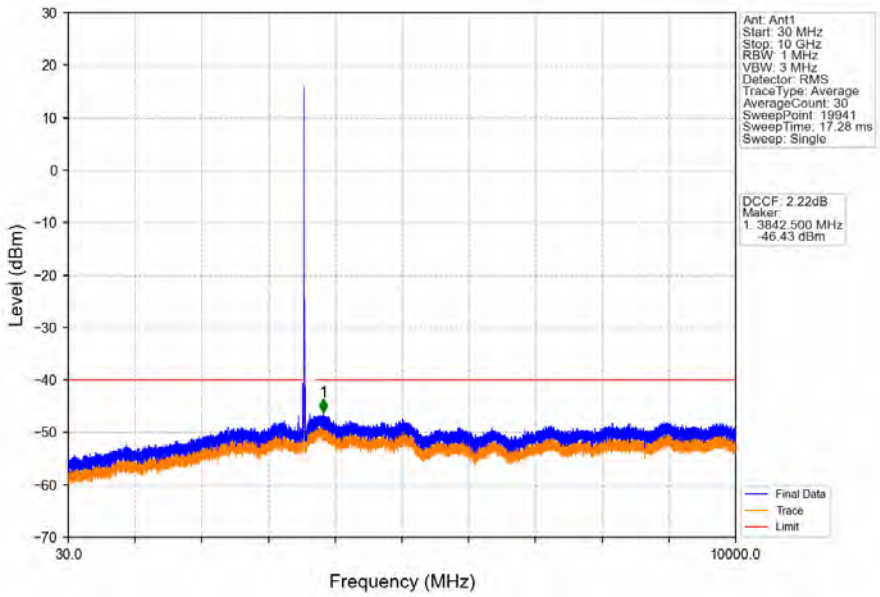

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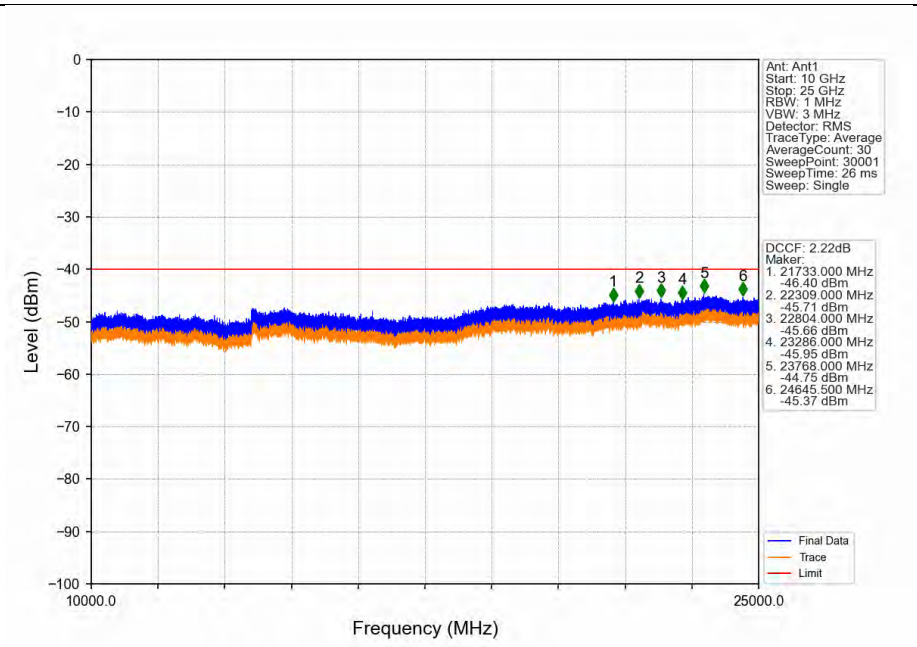

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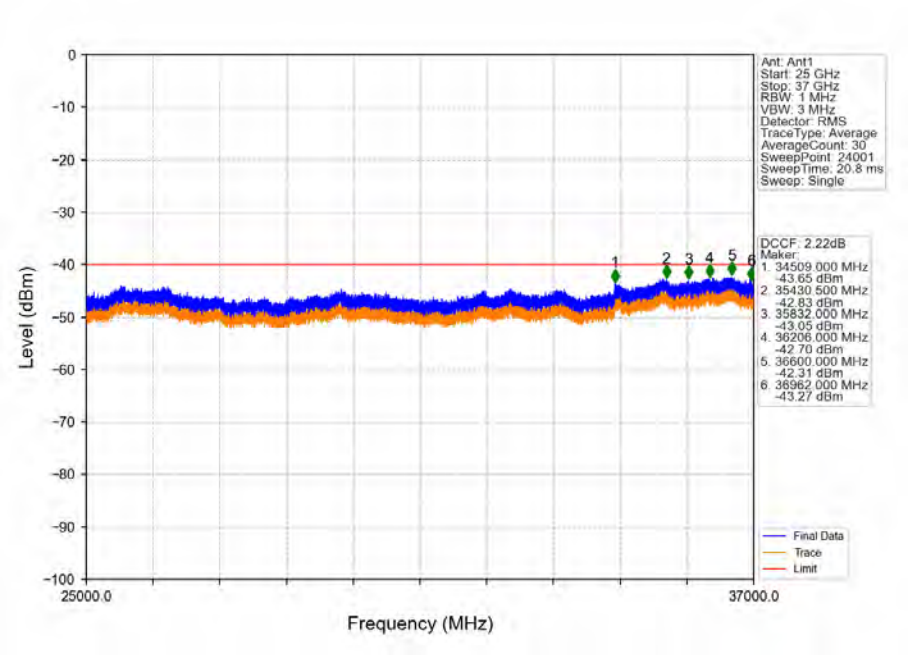

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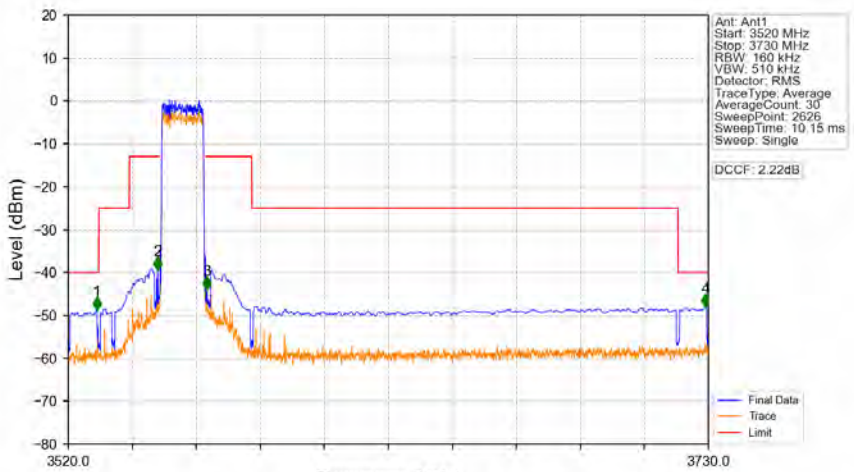

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.809	1	CHP	1	3529.360	-48.75	-40	Pass
3548.809	3549.809	0.16	/	2	3549.360	-39.47	-13	Pass
3549.809	3565.192	0.16	/	/	/	/	/	/
3565.192	3566.192	0.16	/	3	3565.520	-44.06	-13	Pass
3566.192	3730	1	CHP	4	3729.040	-48.05	-40	Pass

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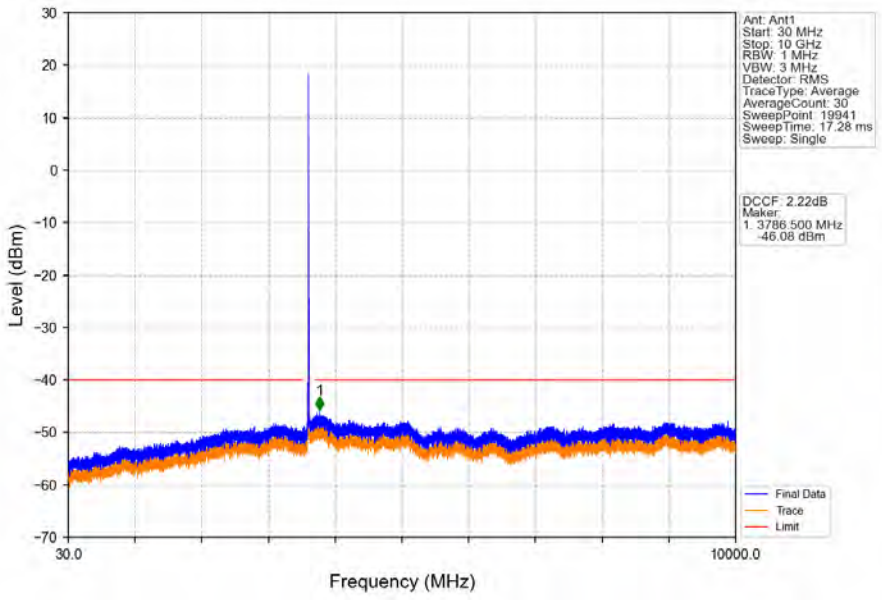
Band48_15MHz_256QAM_MCH_3625MHz_RB_1_0_NTNV



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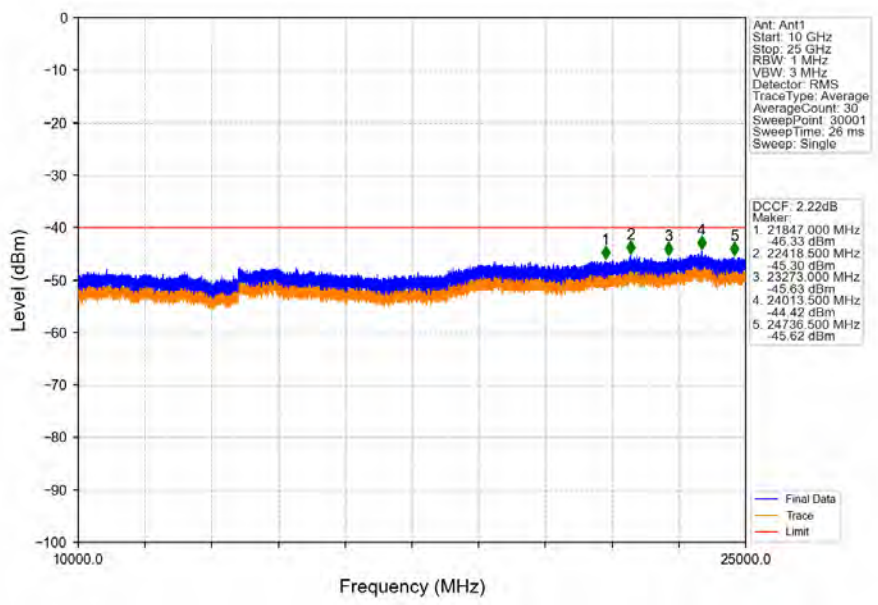

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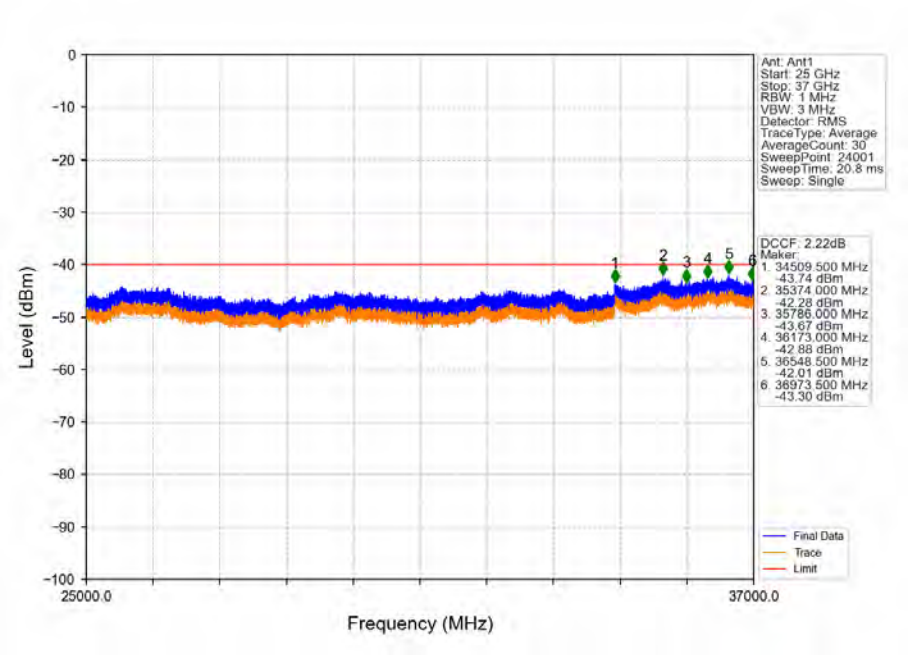

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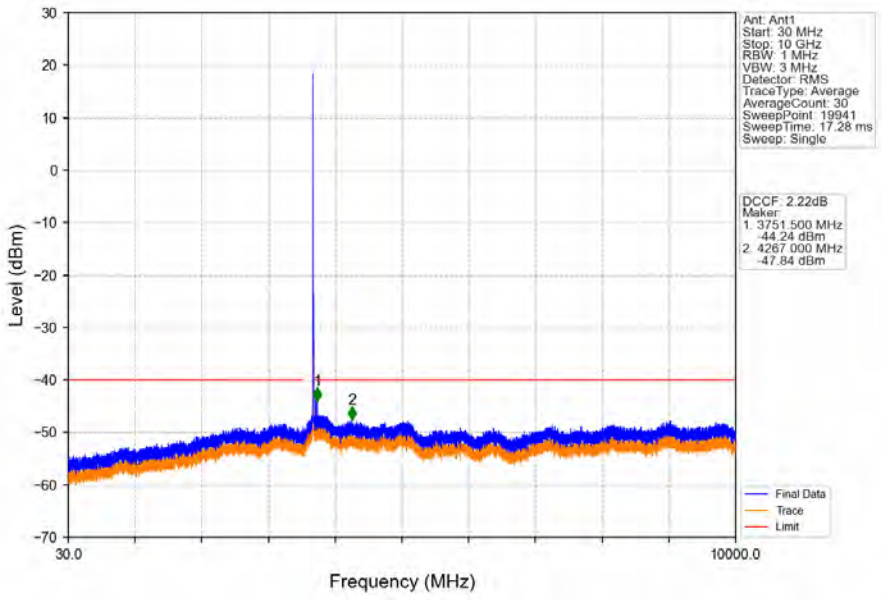

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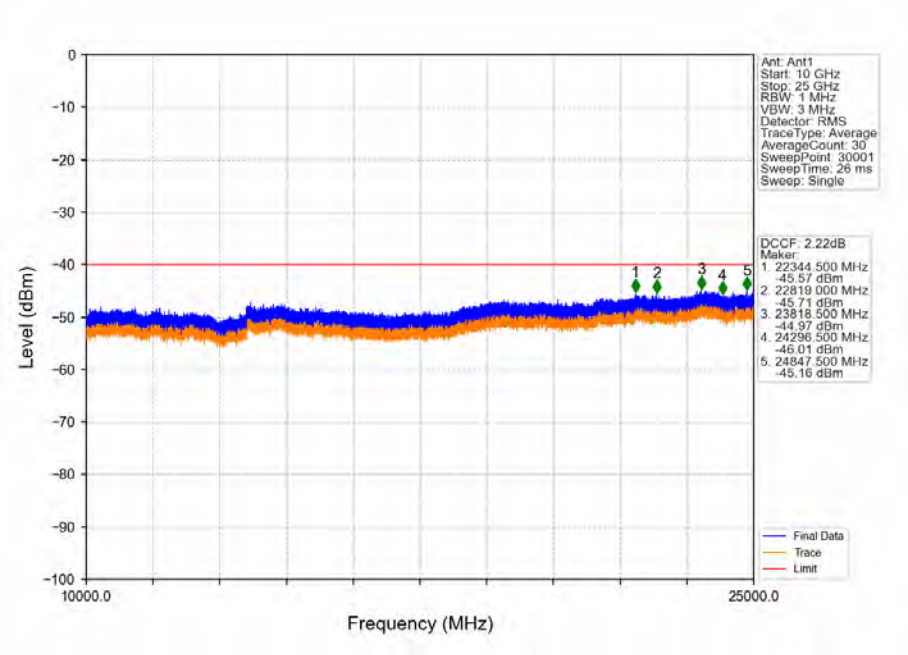

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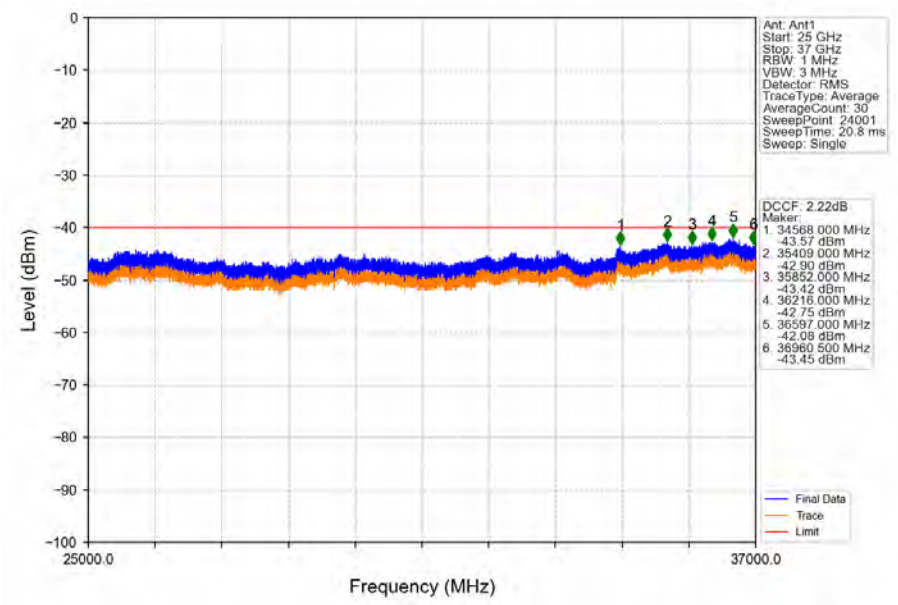

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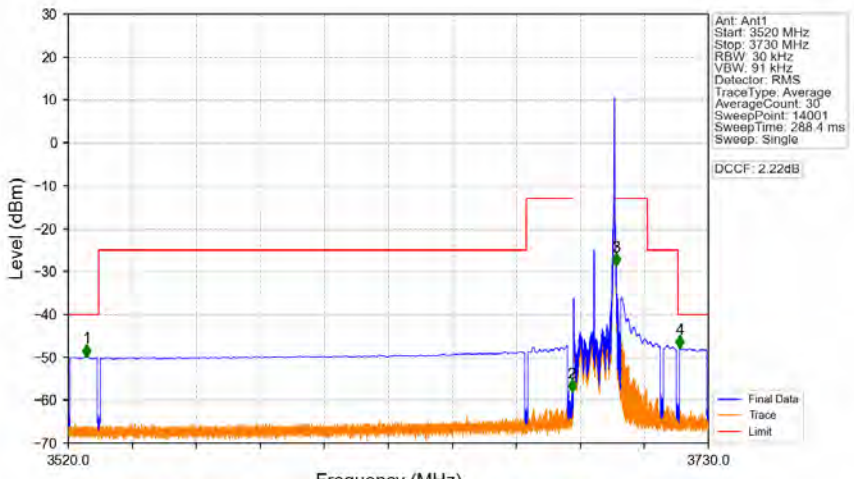

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.259	1	CHP	1	3525.985	-50.00	-40	Pass
3684.259	3685.259	0.03	/	2	3685.225	-58.16	-13	Pass
3685.259	3699.741	0.03	/	/	/	/	/	/
3699.741	3700.741	0.03	/	3	3699.790	-28.73	-13	Pass
3700.741	3730	1	CHP	4	3720.640	-47.95	-40	Pass

Band48_15MHz_256QAM_HCH_3692.5MHz_RB_75_0_NTNV

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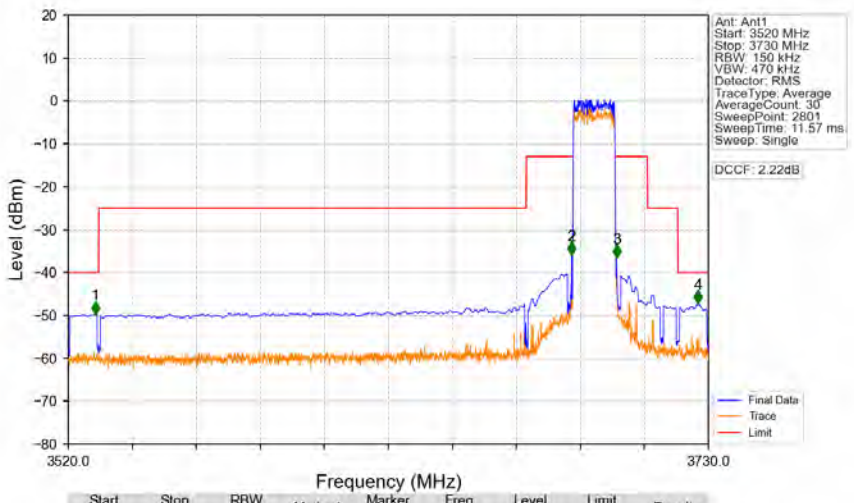

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.259	1	CHP	1	3528.850	-49.78	-40	Pass
3684.259	3685.259	0.15	/	2	3685.150	-35.96	-13	Pass
3685.259	3699.741	0.15	/	/	/	/	/	/
3699.741	3700.741	0.15	/	3	3699.850	-36.68	-13	Pass
3700.741	3730	1	CHP	4	3726.550	-47.26	-40	Pass

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5.4 B48_20MHz

5.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
256QAM	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

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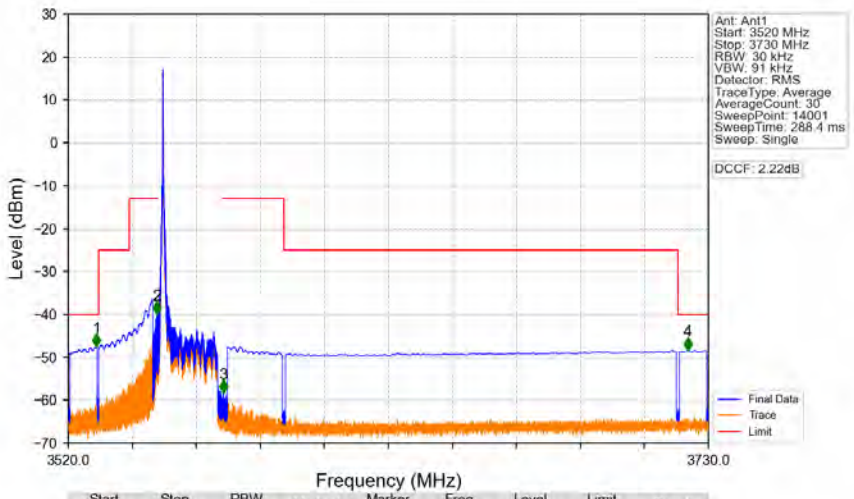
5.4.2 Test Graph

Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.245	1	CHP	1	3529.240	-47.68	-40	Pass
3548.245	3549.245	0.03	/	2	3549.160	-39.99	-13	Pass
3549.245	3570.755	0.03	/	/	/	/	/	/
3570.755	3571.755	0.03	/	3	3570.865	-58.37	-13	Pass
3571.755	3730	1	CHP	4	3723.190	-48.42	-40	Pass

Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV

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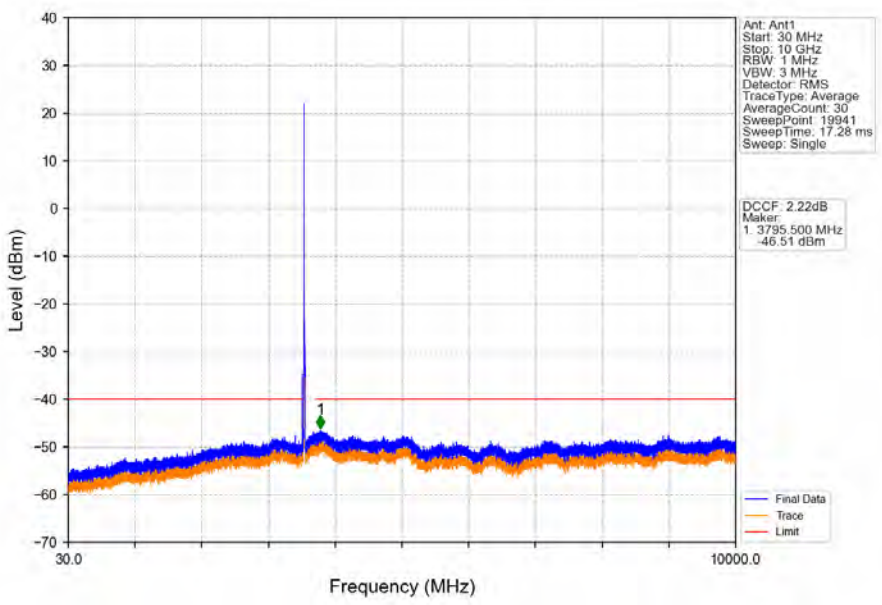

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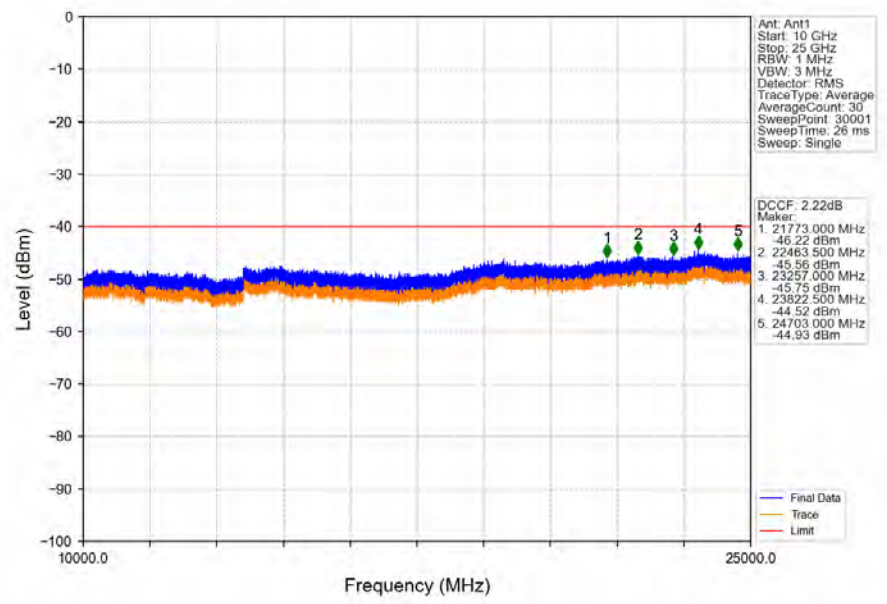

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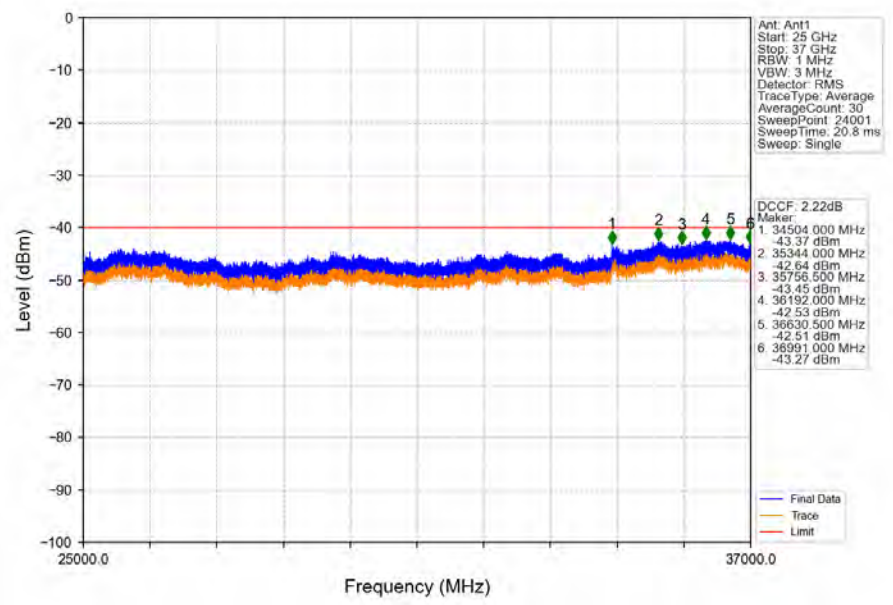

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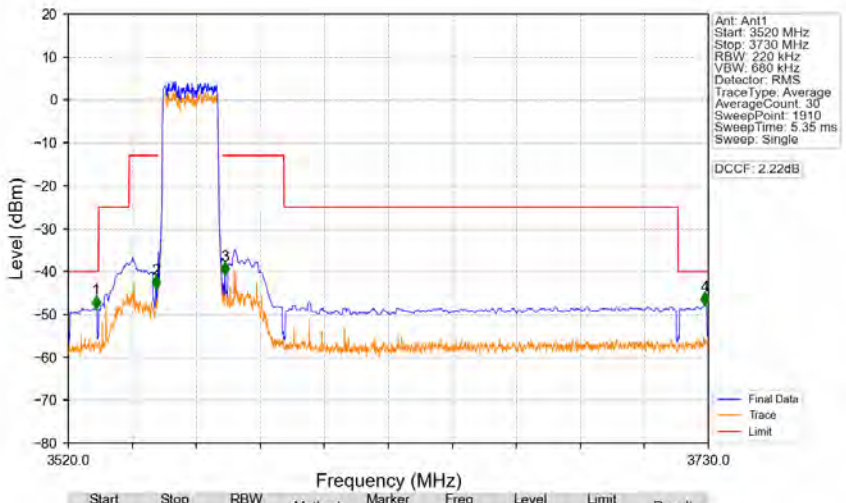

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.245	1	CHP	1	3529.130	-48.69	-40	Pass
3548.245	3549.245	0.22	/	2	3548.821	-44.03	-13	Pass
3549.245	3570.755	0.22	/	/	/	/	/	/
3570.755	3571.755	0.22	/	3	3571.482	-40.86	-13	Pass
3571.755	3730	1	CHP	4	3728.790	-47.89	-40	Pass

Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV

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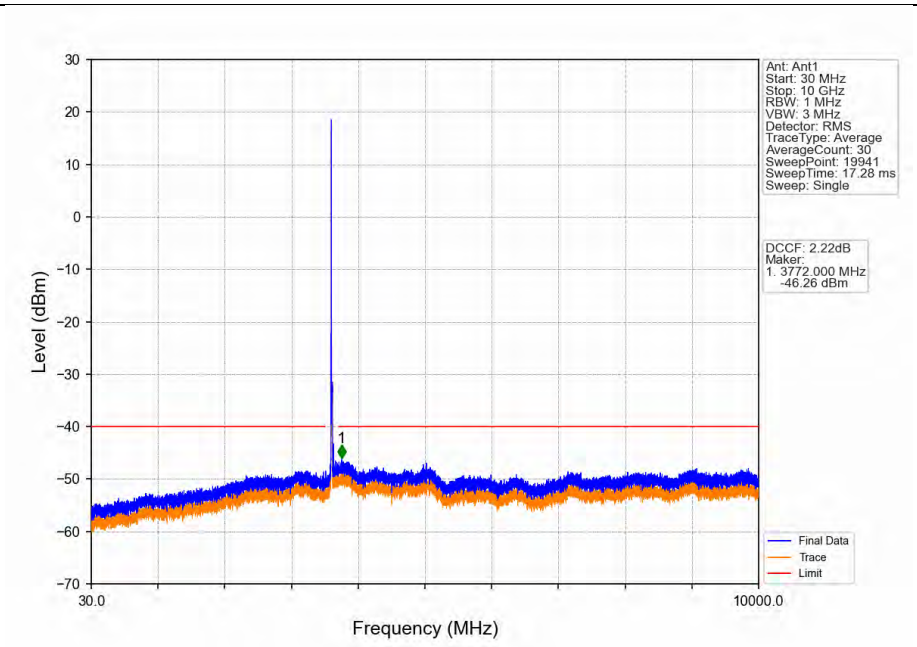

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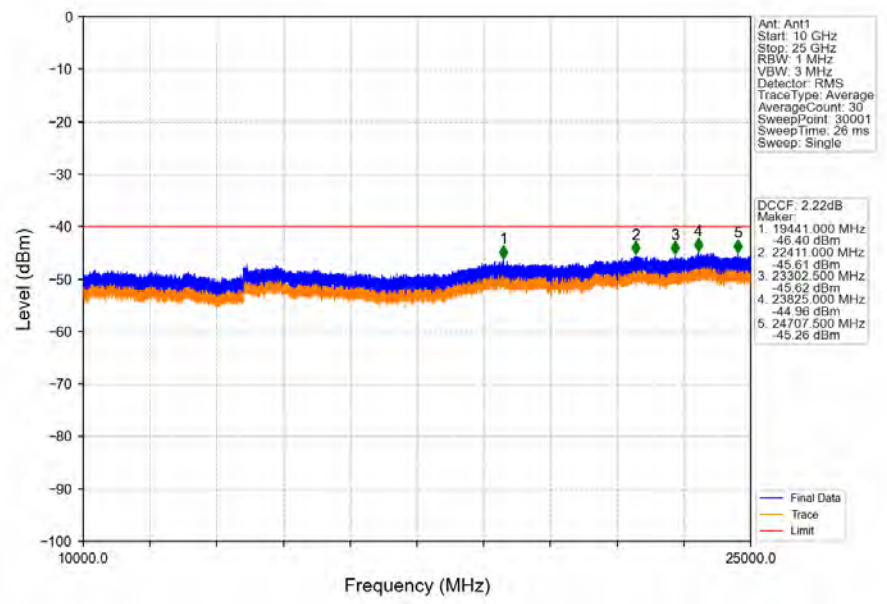

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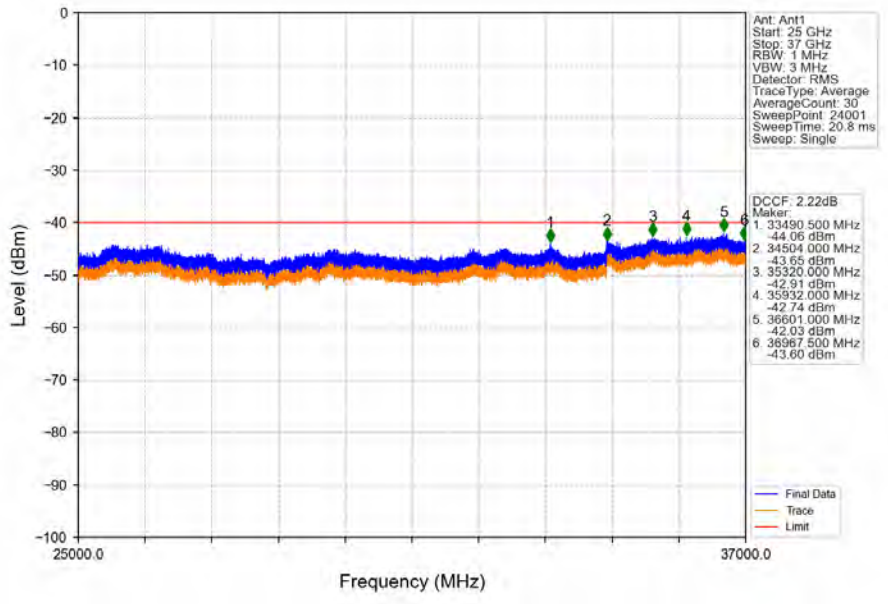

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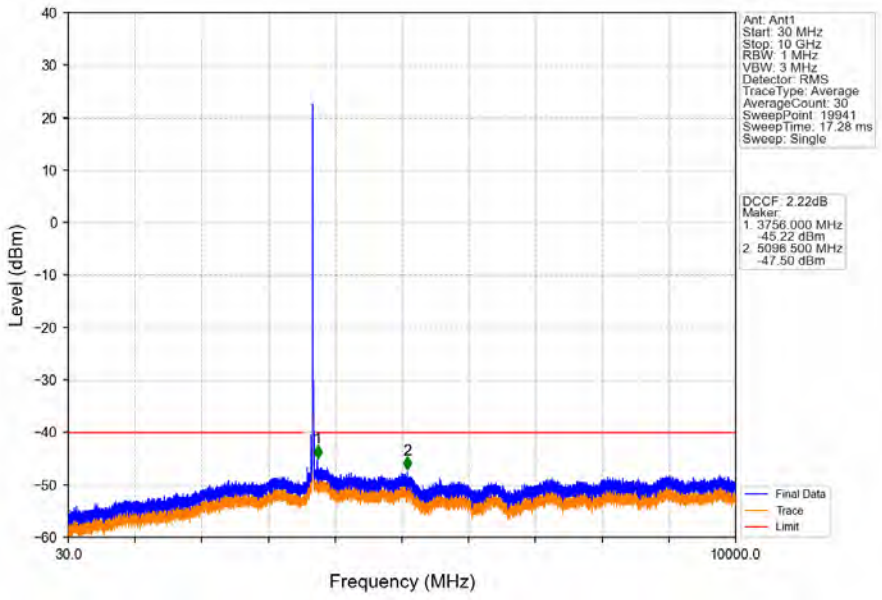
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



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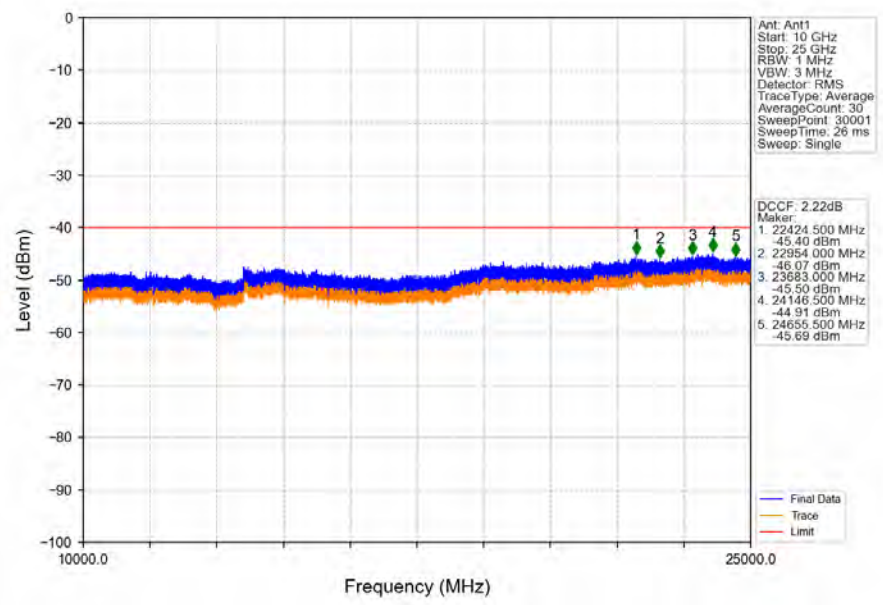

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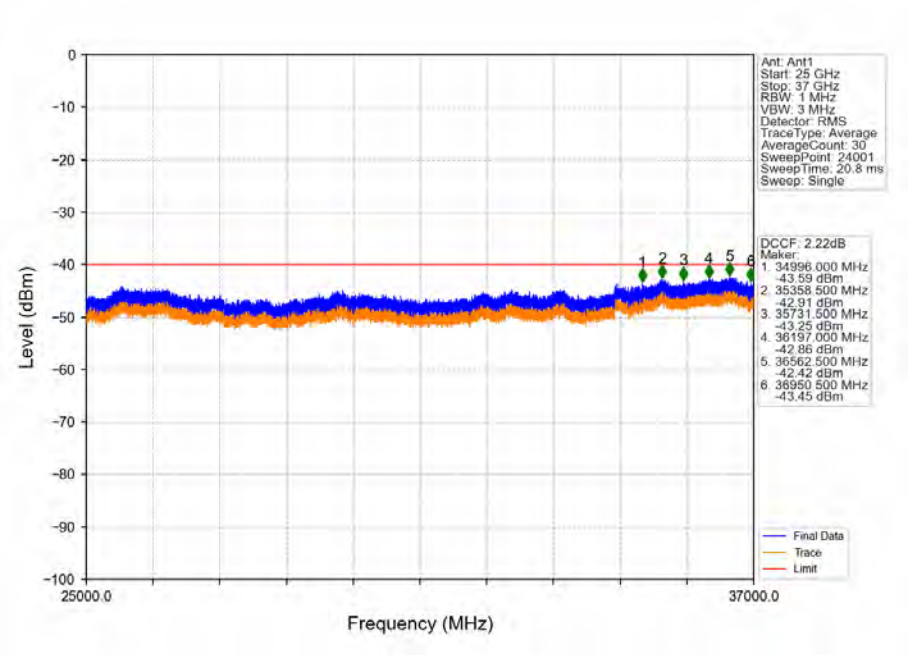

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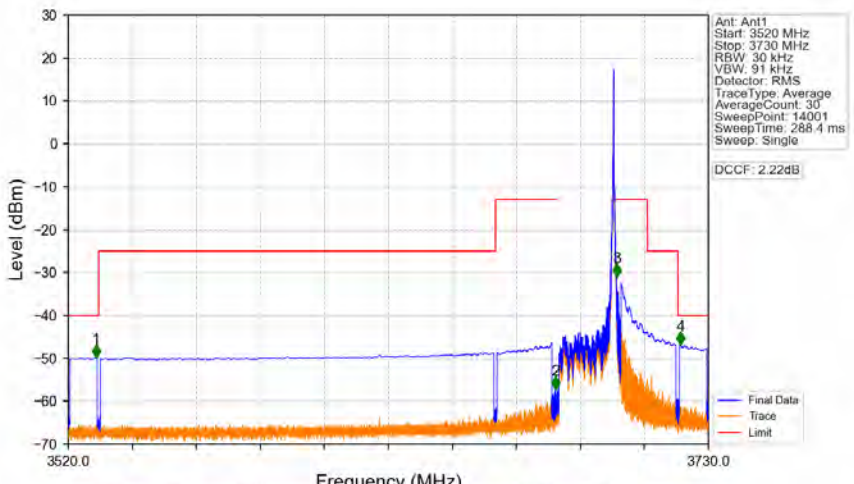

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.157	1	CHP	1	3529.090	-49.89	-40	Pass
3679.157	3680.157	0.03	/	2	3679.810	-57.25	-13	Pass
3680.157	3699.844	0.03	/	/	/	/	/	/
3699.844	3700.844	0.03	/	3	3699.865	-31.10	-13	Pass
3700.844	3730	1	CHP	4	3720.835	-46.97	-40	Pass

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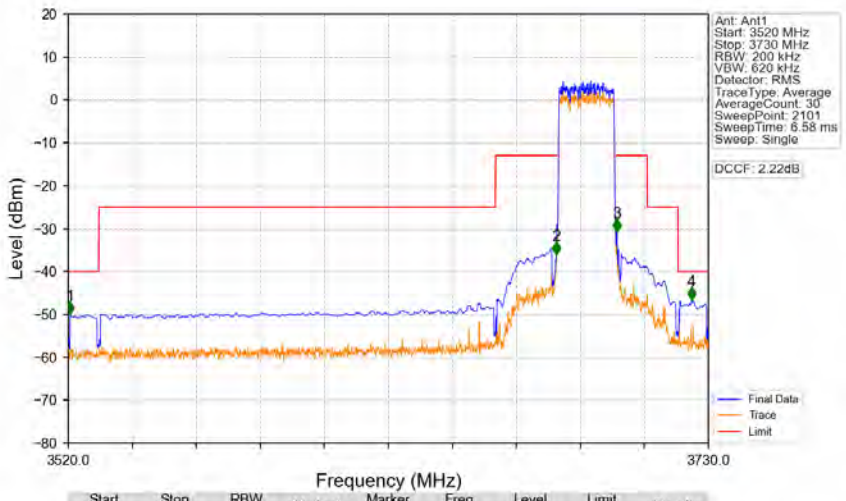

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.157	1	CHP	1	3520.600	-50.05	-40	Pass
3679.157	3680.157	0.2	/	2	3680.100	-36.16	-13	Pass
3680.157	3699.844	0.2	/	/	/	/	/	/
3699.844	3700.844	0.2	/	3	3700.000	-30.82	-13	Pass
3700.844	3730	1	CHP	4	3724.500	-46.73	-40	Pass

Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV

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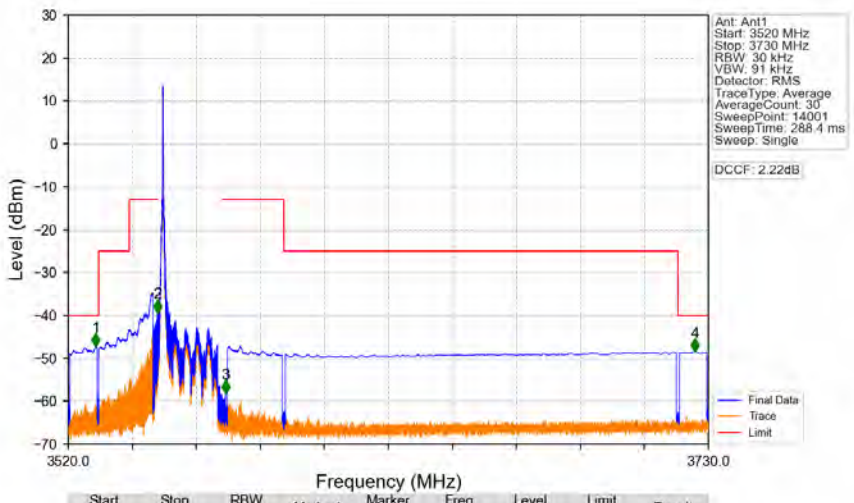

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.274	1	CHP	1	3529.060	-47.22	-40	Pass
3548.274	3549.274	0.03	/	2	3549.220	-39.42	-13	Pass
3549.274	3570.727	0.03	/	/	/	/	/	/
3570.727	3571.727	0.03	/	3	3571.570	-58.19	-13	Pass
3571.727	3730	1	CHP	4	3725.650	-48.48	-40	Pass

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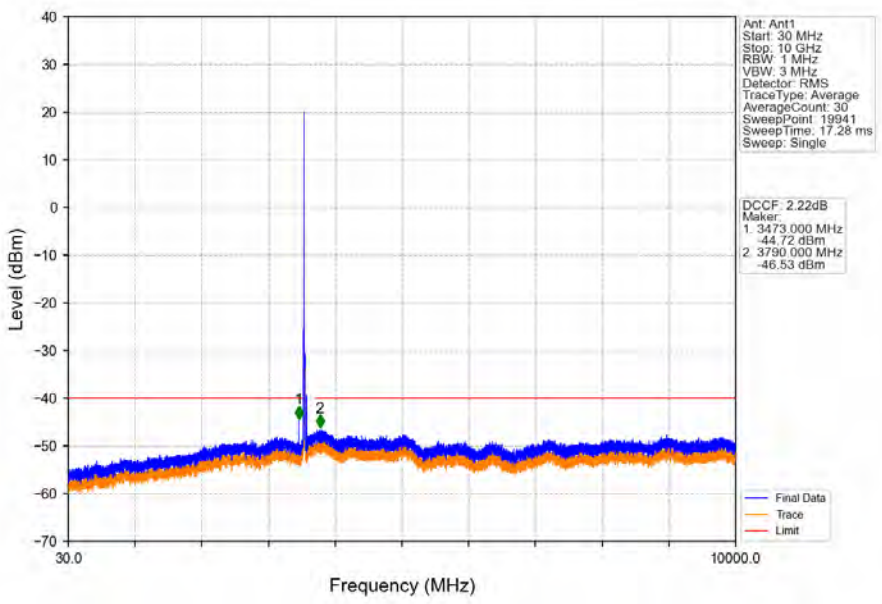

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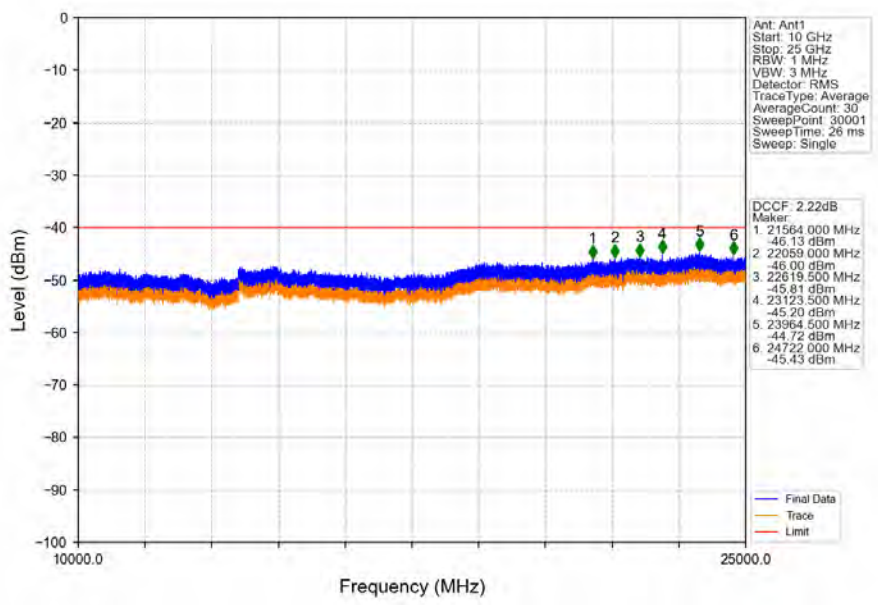

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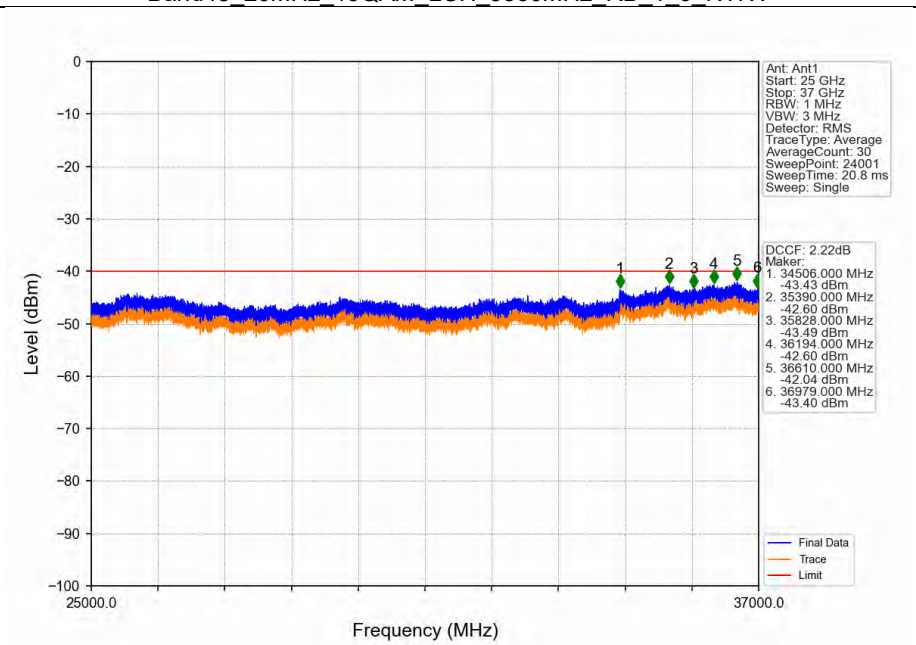
Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



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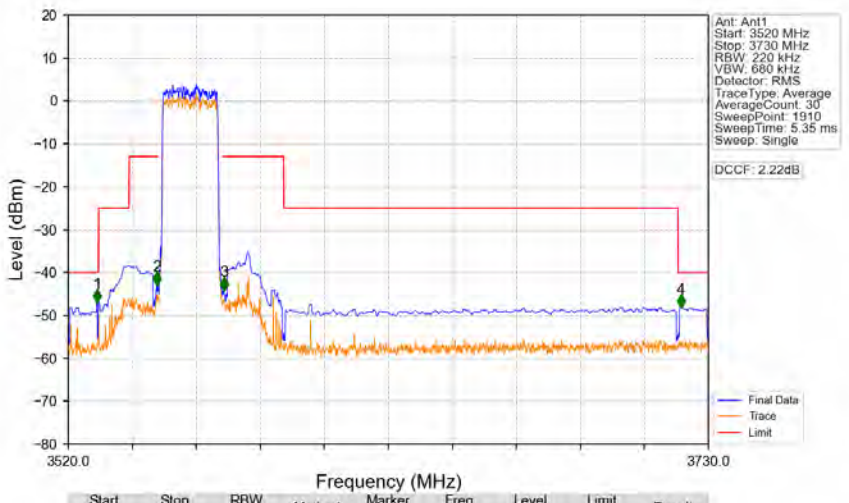

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.274	1	CHP	1	3529.460	-47.01	-40	Pass
3548.274	3549.274	0.22	/	2	3549.041	-42.97	-13	Pass
3549.274	3570.727	0.22	/	/	/	/	/	/
3570.727	3571.727	0.22	/	3	3571.042	-44.19	-13	Pass
3571.727	3730	1	CHP	4	3720.980	-48.21	-40	Pass

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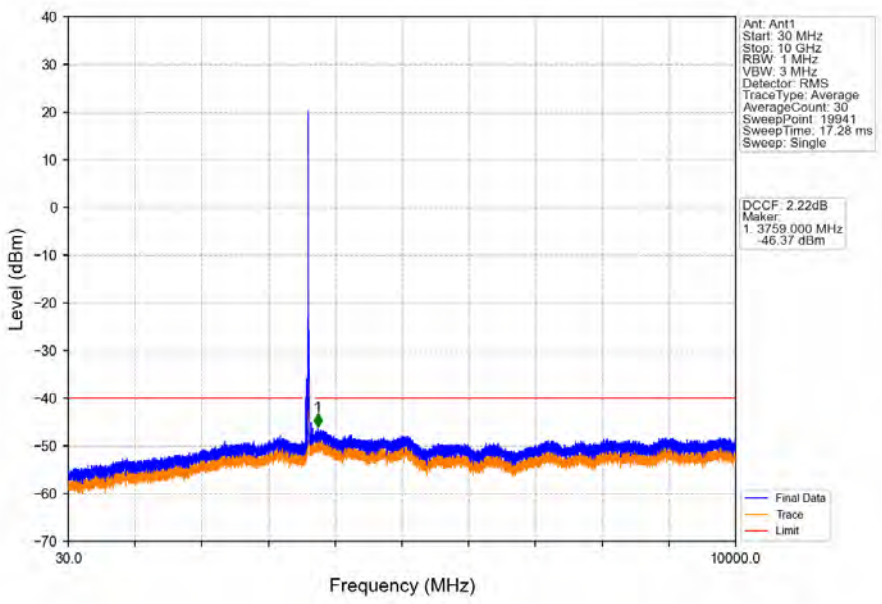
Band48_20MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



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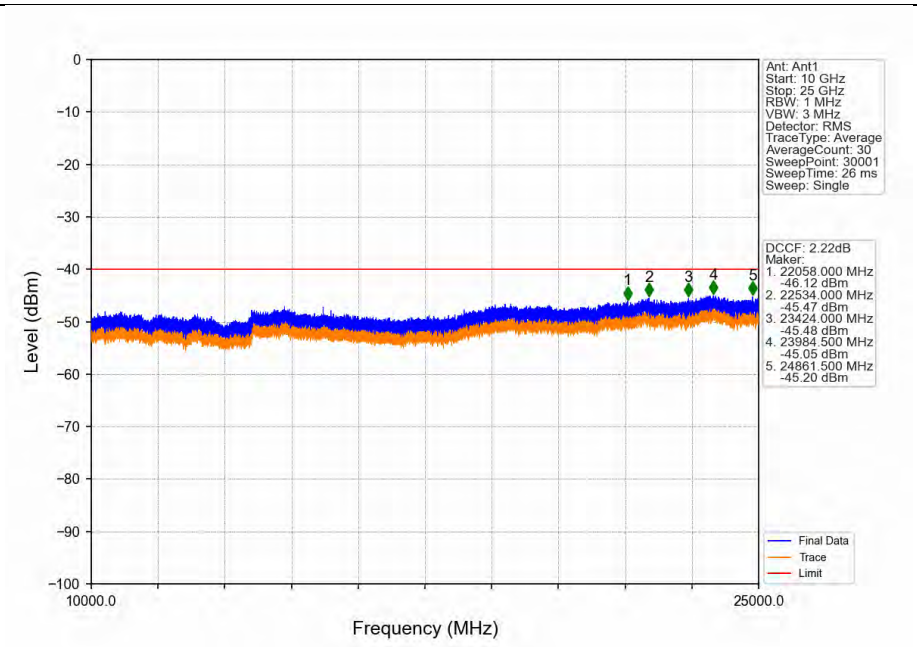

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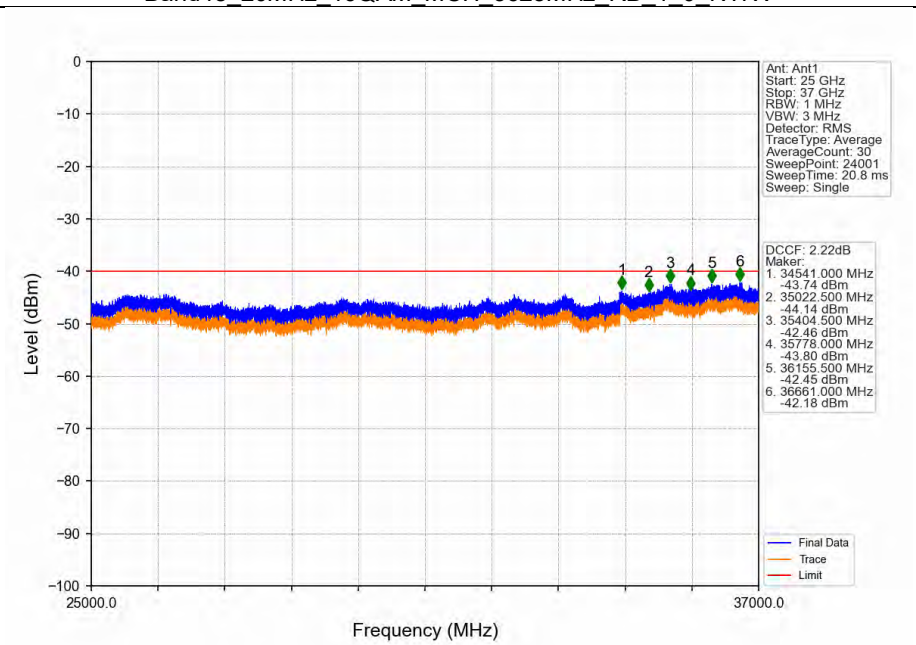

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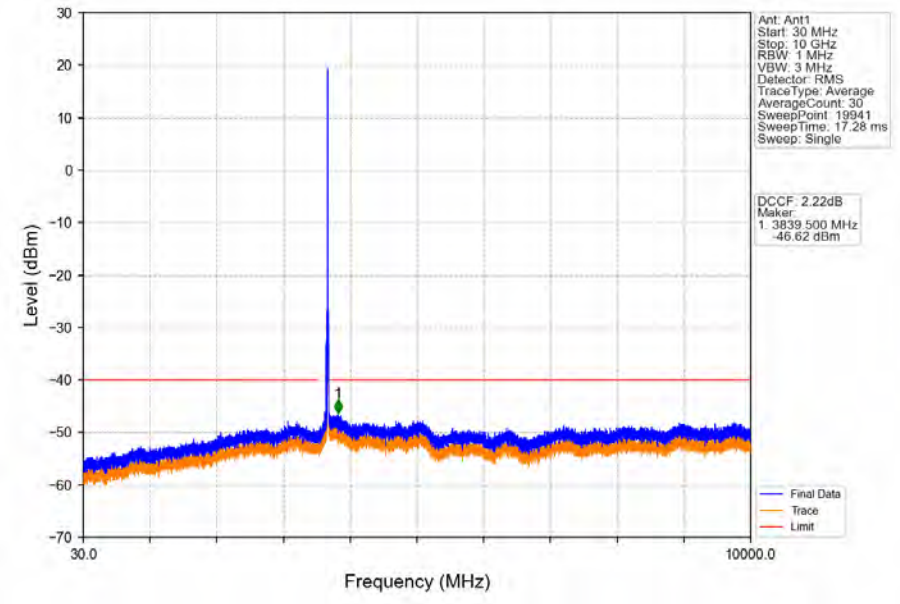

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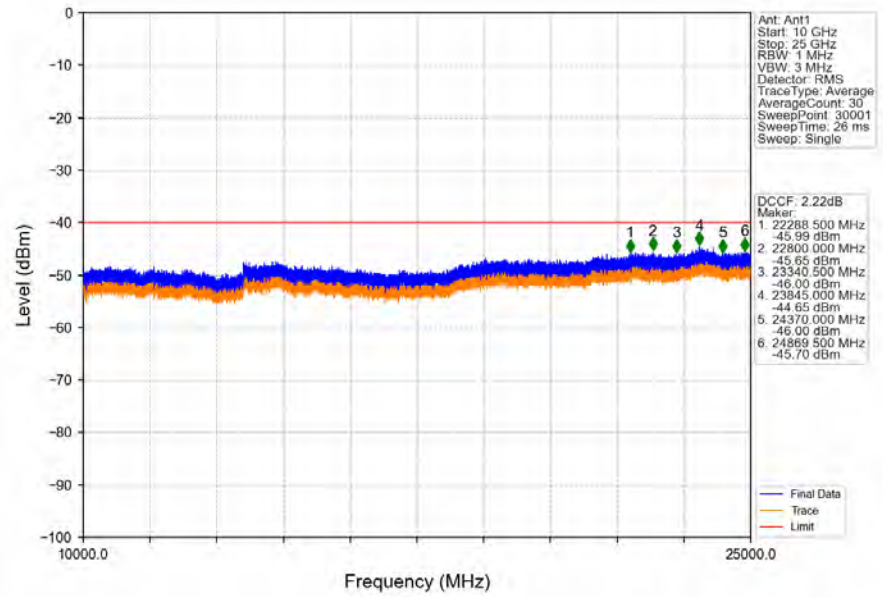

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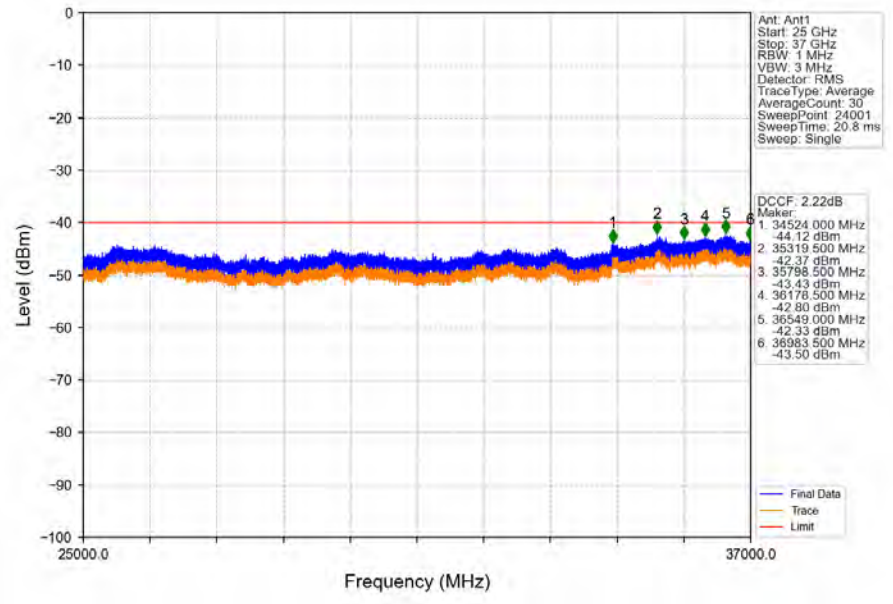

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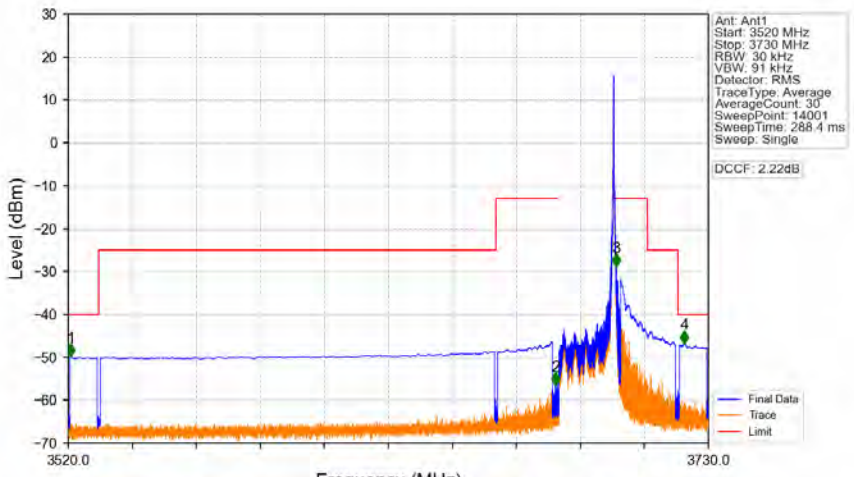

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.325	1	CHP	1	3520.810	-49.97	-40	Pass
3679.325	3680.325	0.03	/	2	3679.840	-56.62	-13	Pass
3680.325	3699.676	0.03	/	/	/	/	/	/
3699.676	3700.676	0.03	/	3	3699.715	-28.96	-13	Pass
3700.676	3730	1	CHP	4	3722.155	-46.83	-40	Pass

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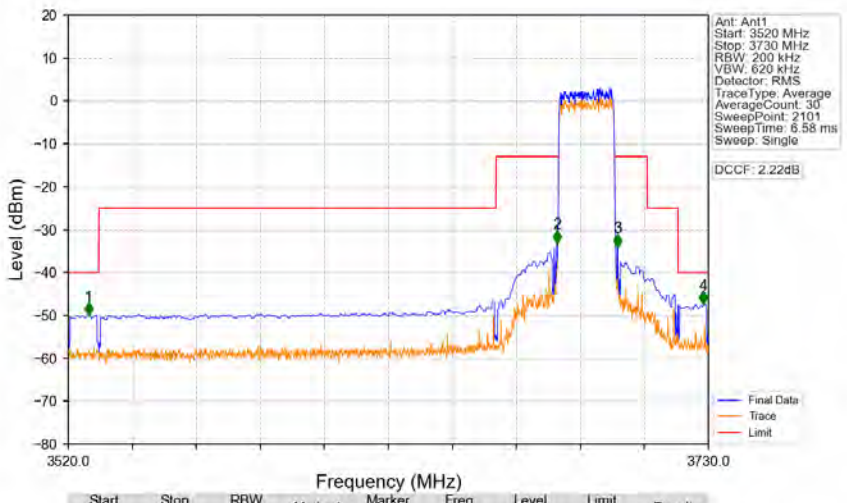

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.325	1	CHP	1	3526.600	-49.97	-40	Pass
3679.325	3680.325	0.2	/	2	3680.300	-33.18	-13	Pass
3680.325	3699.676	0.2	/	/	/	/	/	/
3699.676	3700.676	0.2	/	3	3700.200	-34.07	-13	Pass
3700.676	3730	1	CHP	4	3728.300	-47.33	-40	Pass

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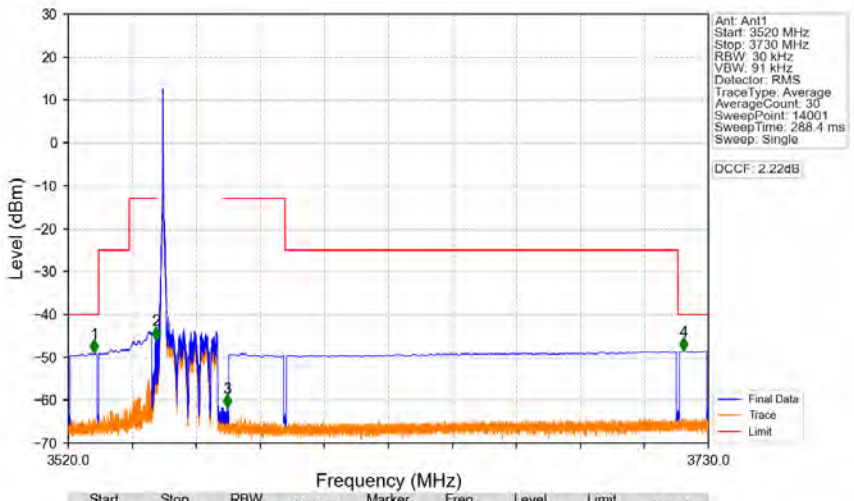

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3547.893	1	CHP	1	3528.475	-49.09	-40	Pass
3547.893	3548.893	0.03	/	2	3548.725	-45.94	-13	Pass
3548.893	3571.107	0.03	/	/	/	/	/	/
3571.107	3572.107	0.03	/	3	3572.035	-61.69	-13	Pass
3572.107	3730	1	CHP	4	3721.915	-48.45	-40	Pass

Band48_20MHz_64QAM_LCH_3560MHz_RB_1_0_NTNV

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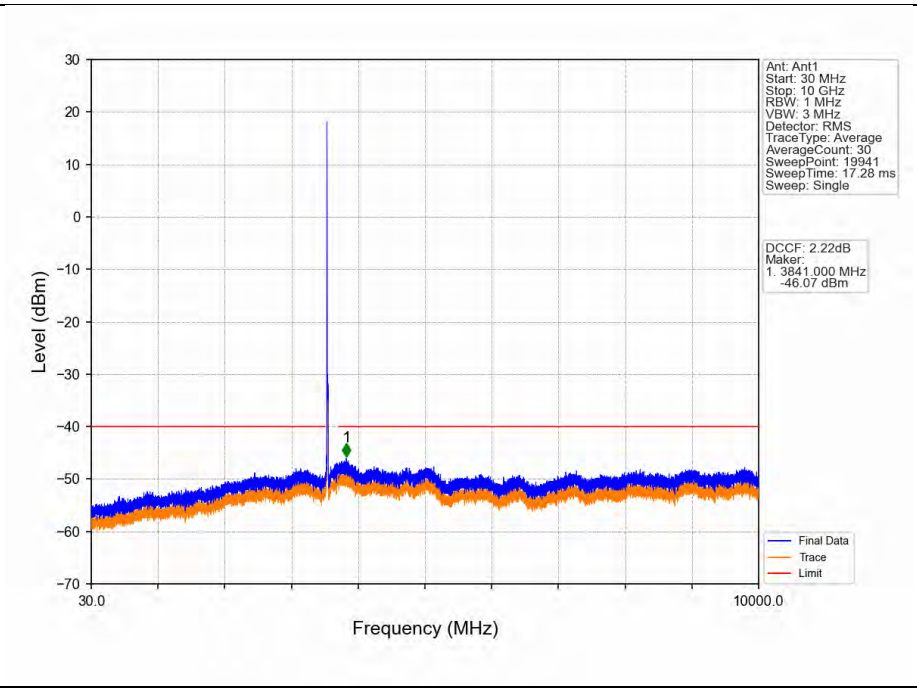

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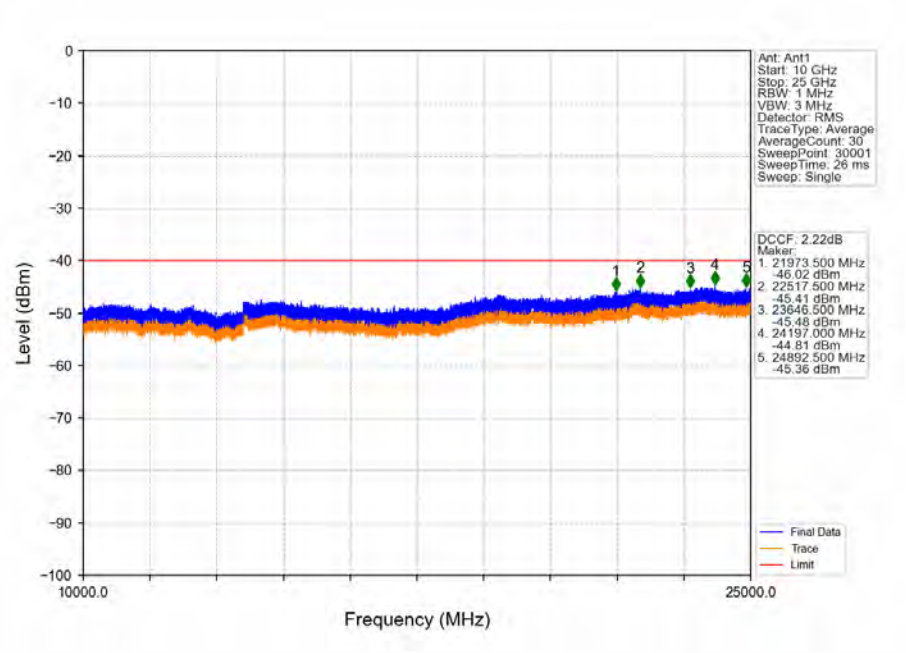

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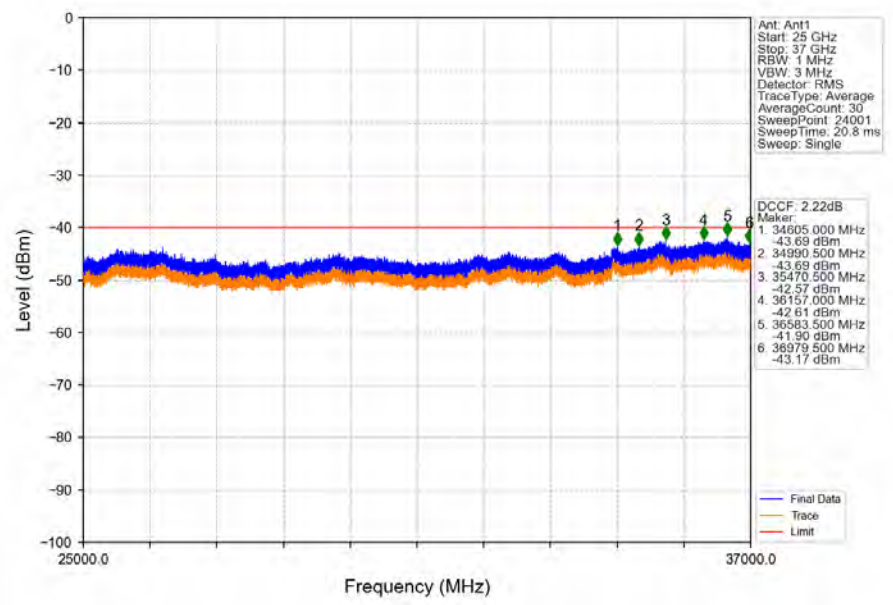

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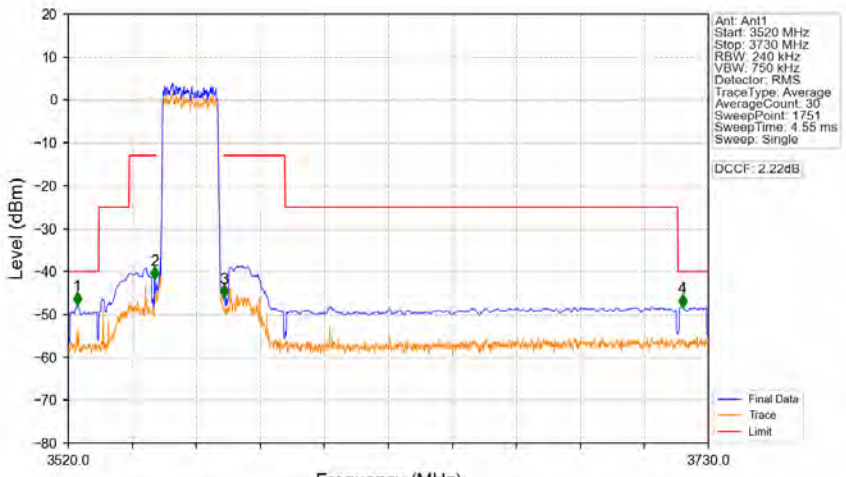

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3547.893	1	CHP	1	3522.880	-47.83	-40	Pass
3547.893	3548.893	0.24	/	2	3548.320	-41.92	-13	Pass
3548.893	3571.107	0.24	/	/	/	/	/	/
3571.107	3572.107	0.24	/	3	3571.240	-46.18	-13	Pass
3572.107	3730	1	CHP	4	3721.480	-48.36	-40	Pass

Band48_20MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV

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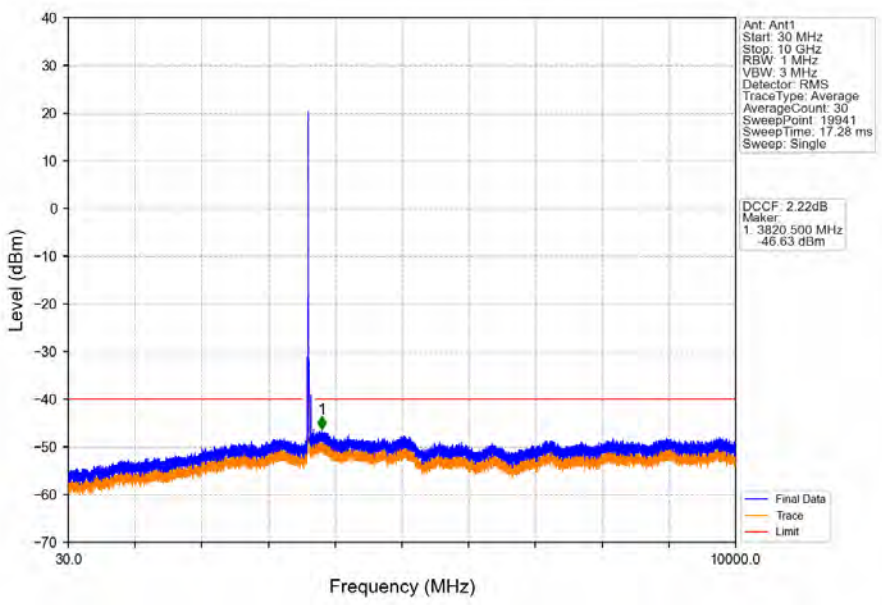

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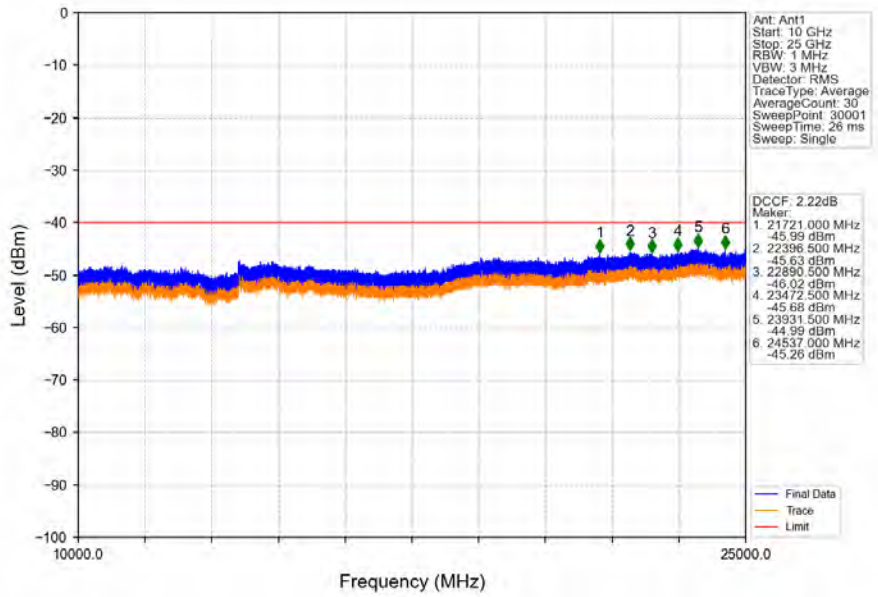

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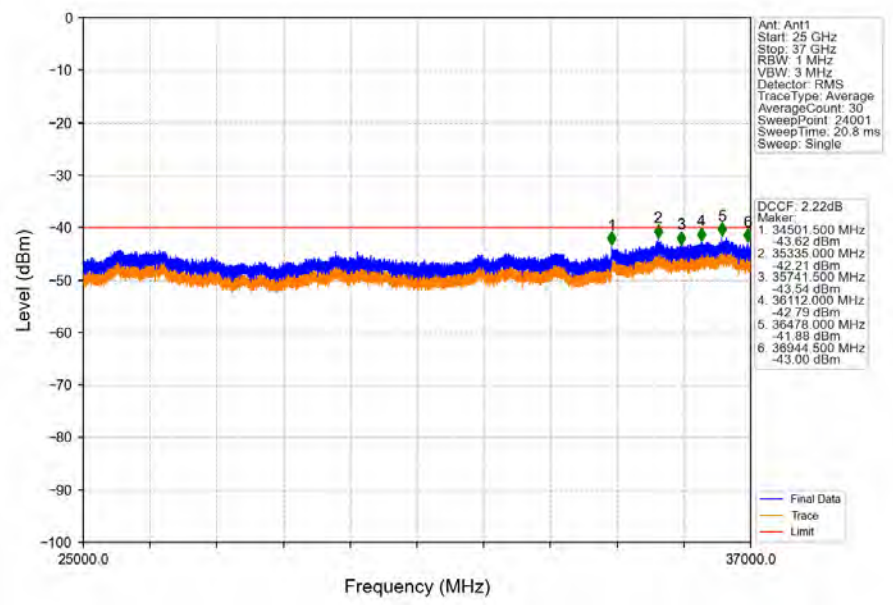

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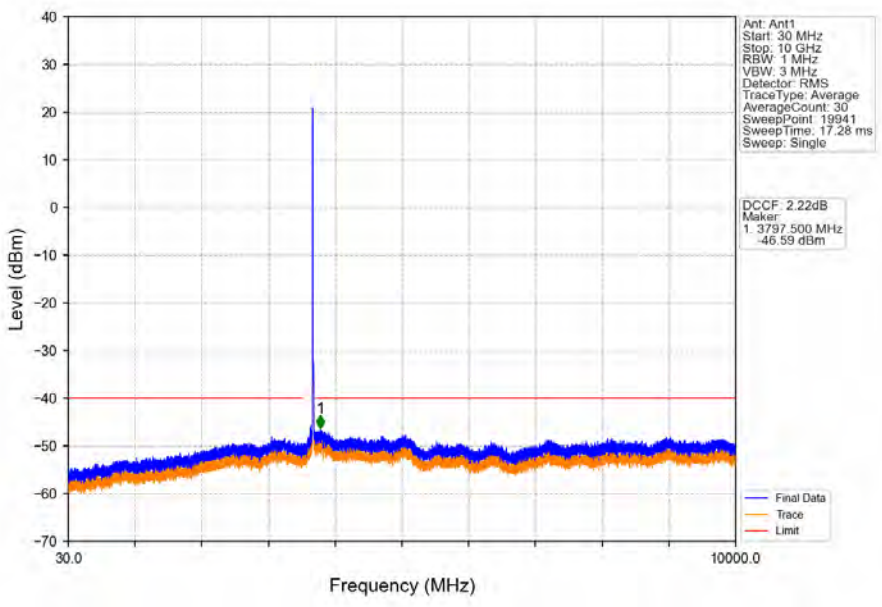

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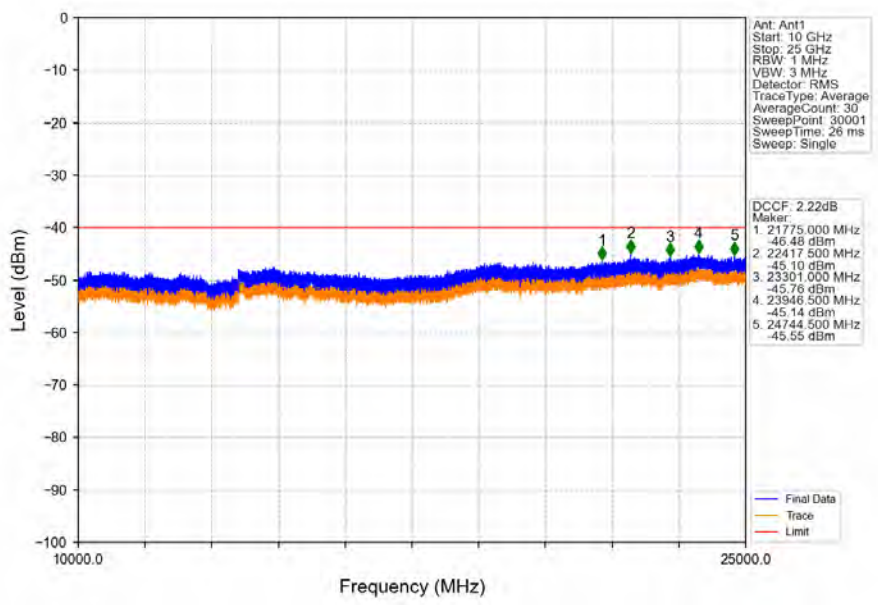

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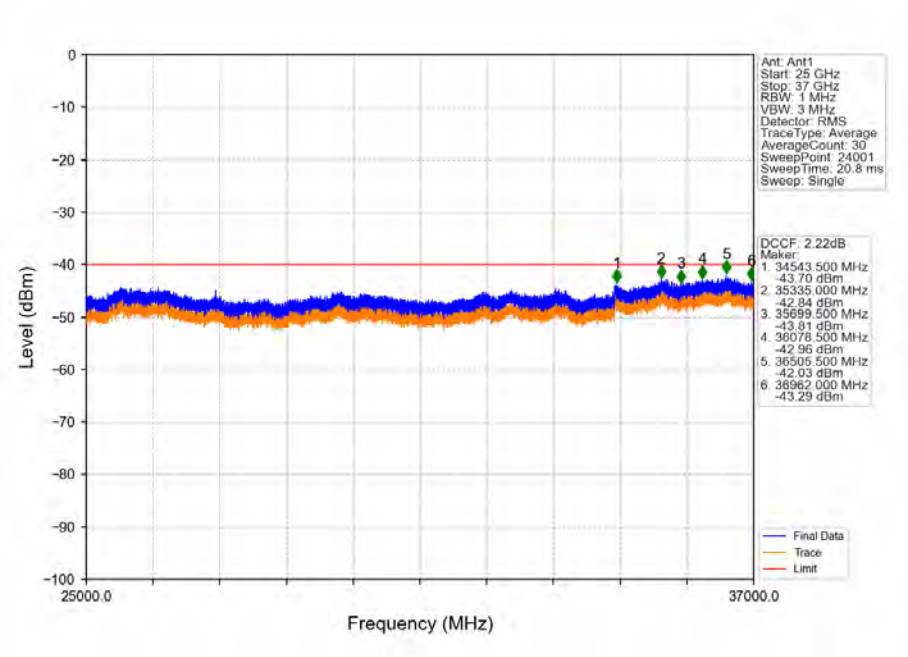

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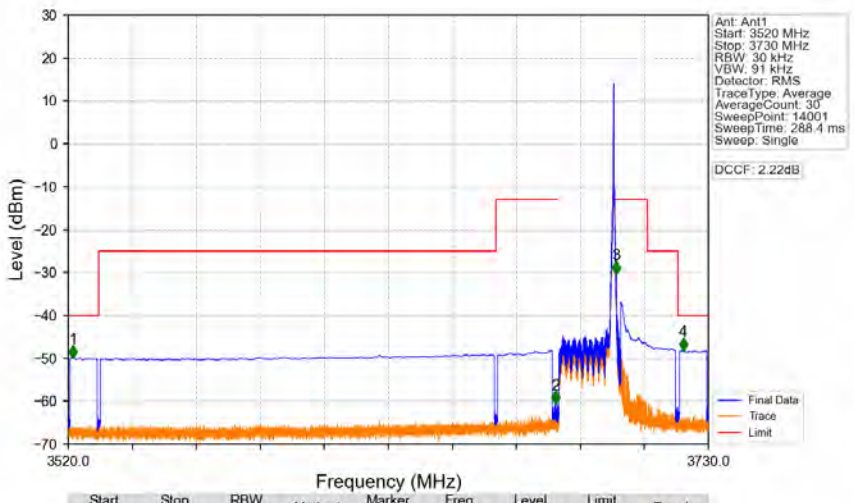

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.286	1	CHP	1	3521.545	-49.99	-40	Pass
3679.286	3680.286	0.03	/	2	3679.930	-60.61	-13	Pass
3680.286	3699.715	0.03	/	/	/	/	/	/
3699.715	3700.715	0.03	/	3	3699.745	-30.43	-13	Pass
3700.715	3730	1	CHP	4	3721.795	-48.23	-40	Pass

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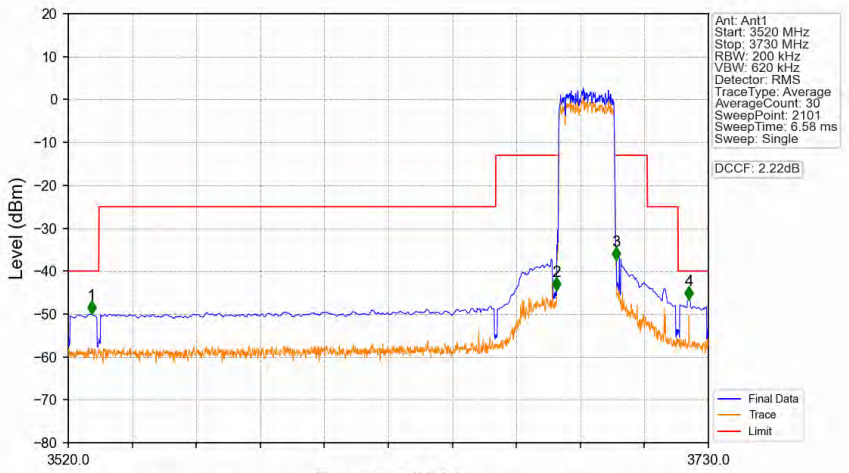

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.286	1	CHP	1	3527.600	-50.04	-40	Pass
3679.286	3680.286	0.2	/	2	3680.200	-44.50	-13	Pass
3680.286	3699.715	0.2	/	/	/	/	/	/
3699.715	3700.715	0.2	/	3	3699.800	-37.51	-13	Pass
3700.715	3730	1	CHP	4	3723.600	-46.72	-40	Pass

Band48_20MHz_256QAM_LCH_3560MHz_RB_1_0_NTNV

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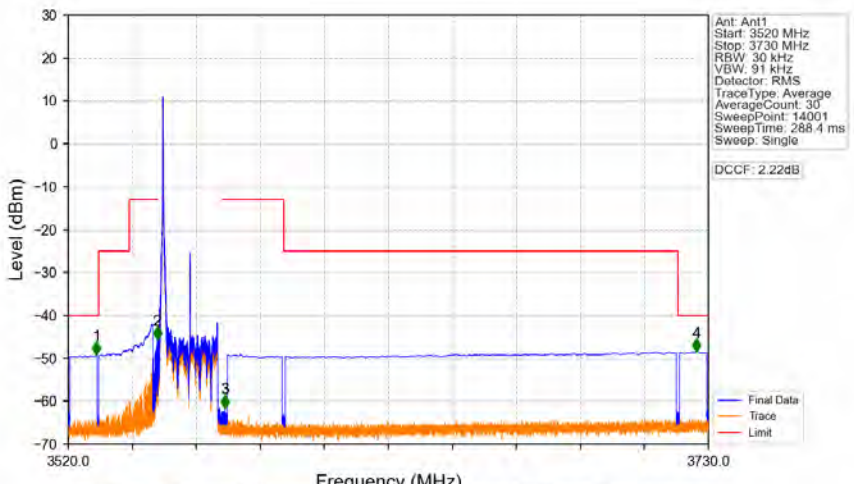

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.295	1	CHP	1	3529.270	-49.19	-40	Pass
3548.295	3549.295	0.03	/	2	3549.175	-45.61	-13	Pass
3549.295	3570.706	0.03	/	/	/	/	/	/
3570.706	3571.706	0.03	/	3	3571.465	-61.62	-13	Pass
3571.706	3730	1	CHP	4	3726.055	-48.48	-40	Pass

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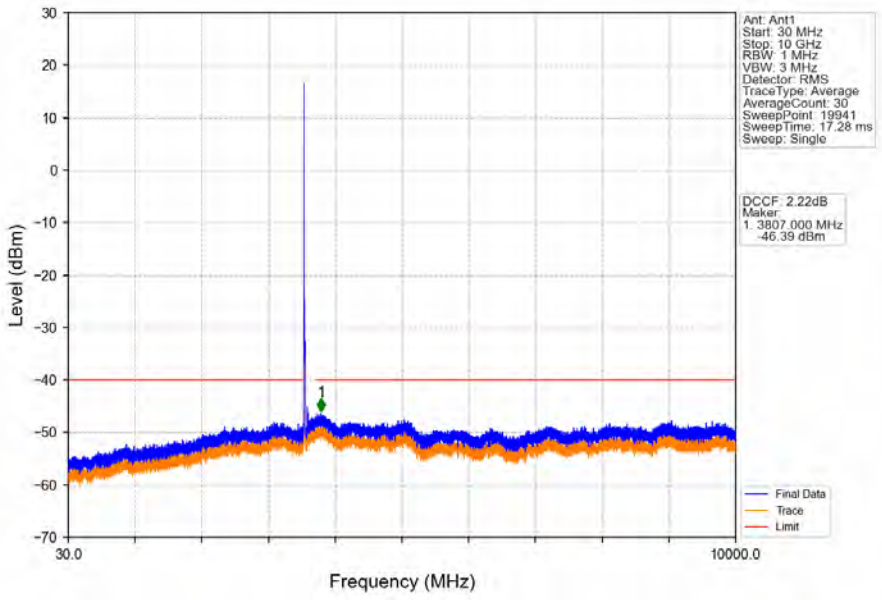
Band48_20MHz_256QAM_LCH_3560MHz_RB_1_0_NTNV



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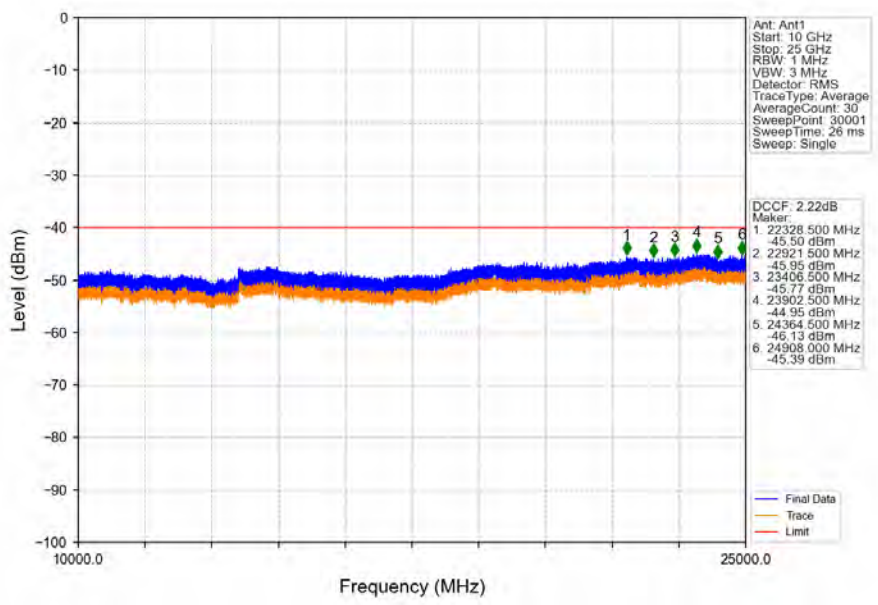

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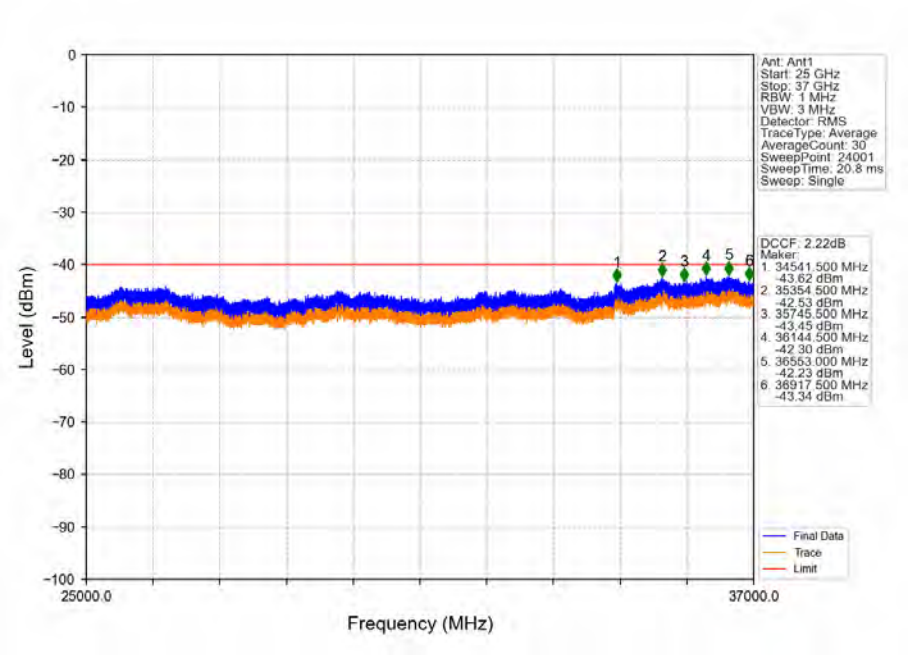

Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV

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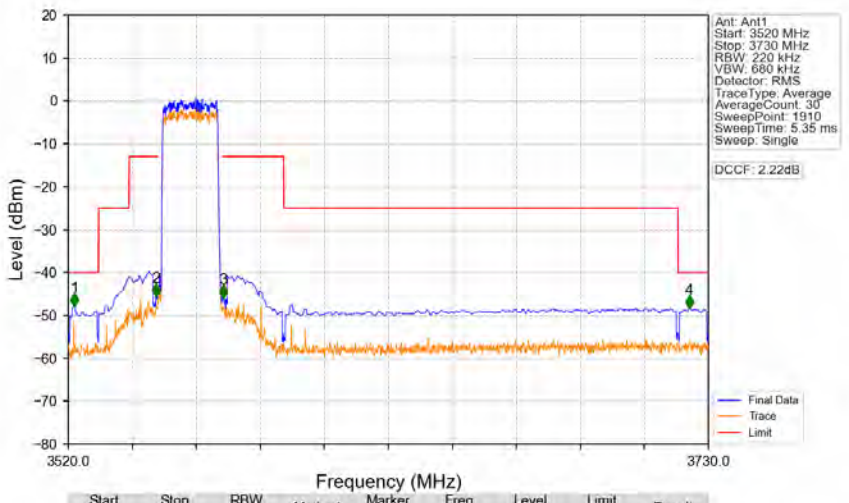

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.295	1	CHP	1	3522.090	-47.85	-40	Pass
3548.295	3549.295	0.22	/	2	3548.821	-45.63	-13	Pass
3549.295	3570.706	0.22	/	/	/	/	/	/
3570.706	3571.706	0.22	/	3	3570.932	-45.91	-13	Pass
3571.706	3730	1	CHP	4	3723.730	-48.42	-40	Pass

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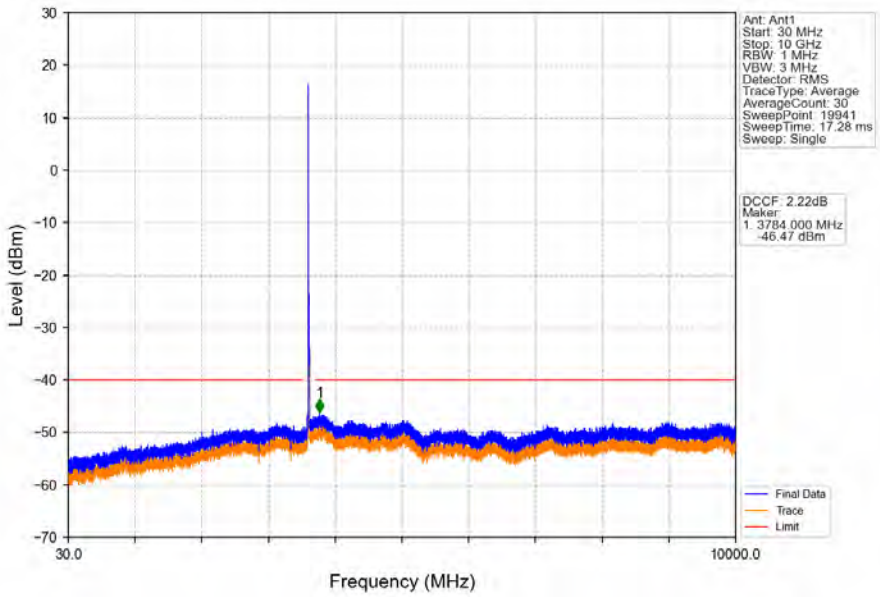

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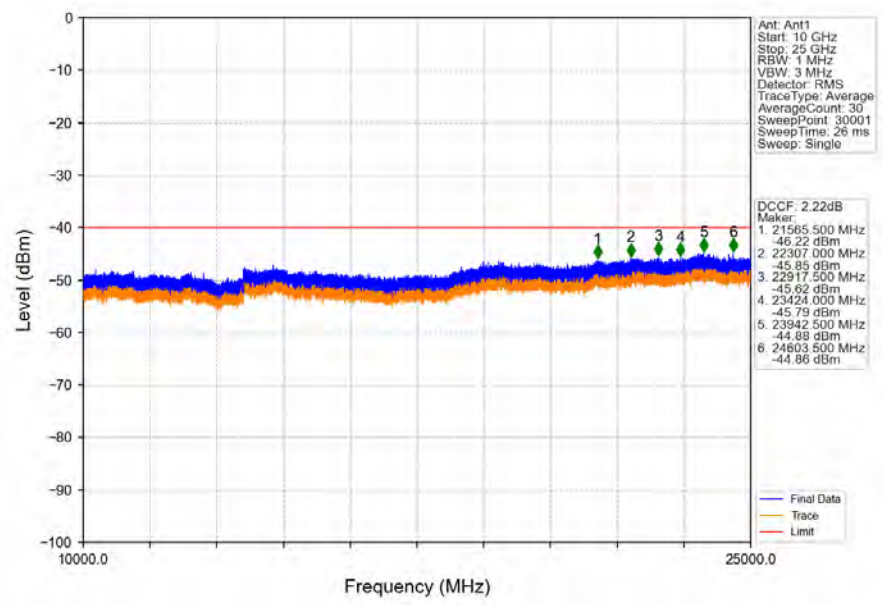

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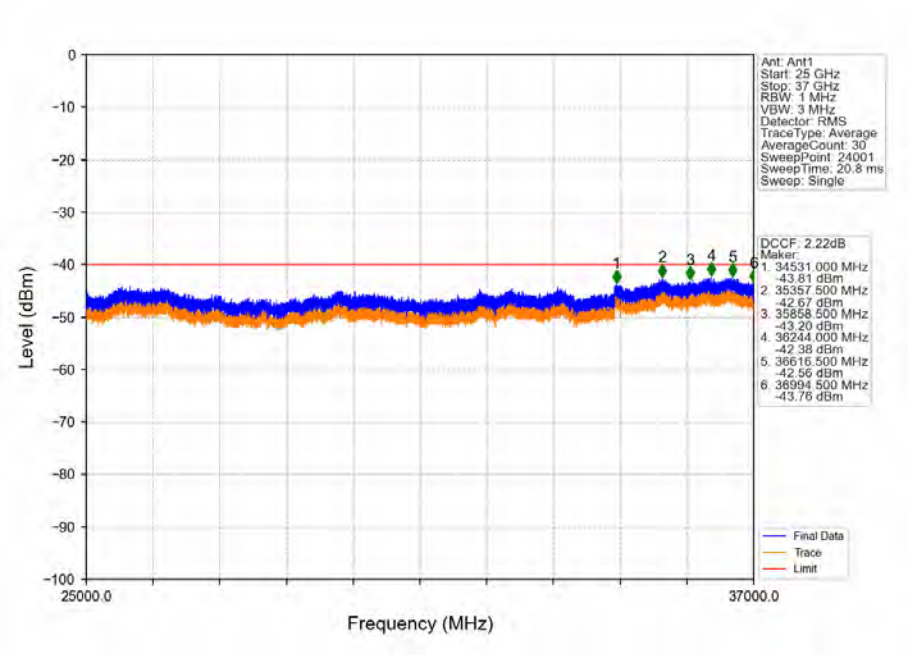

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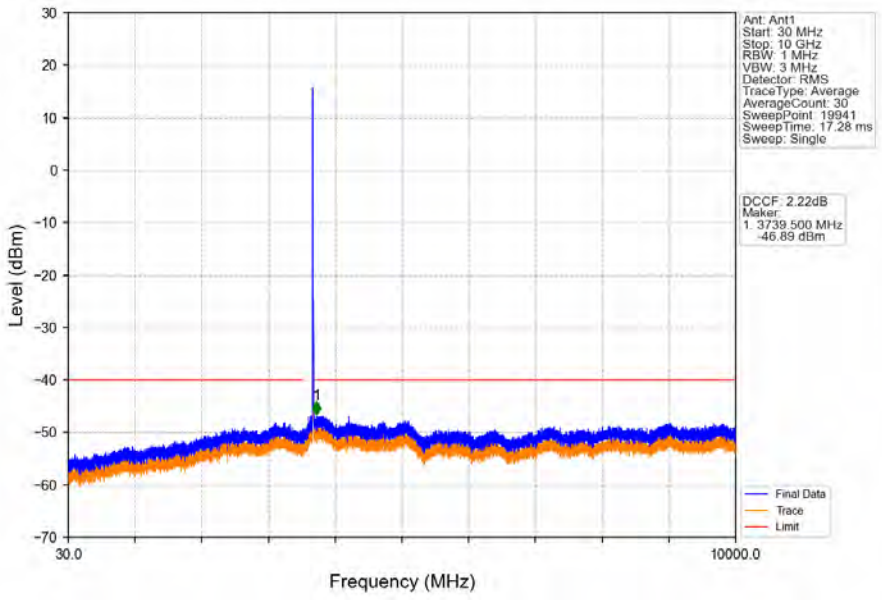

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