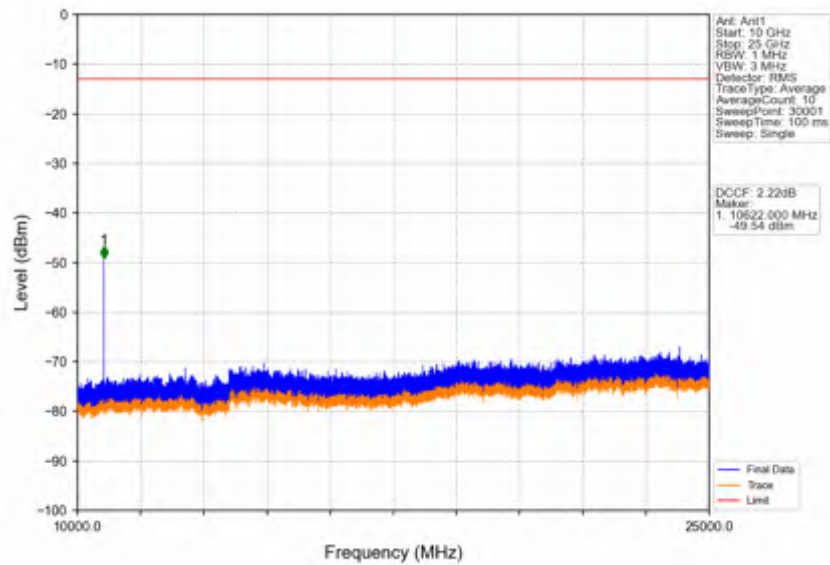
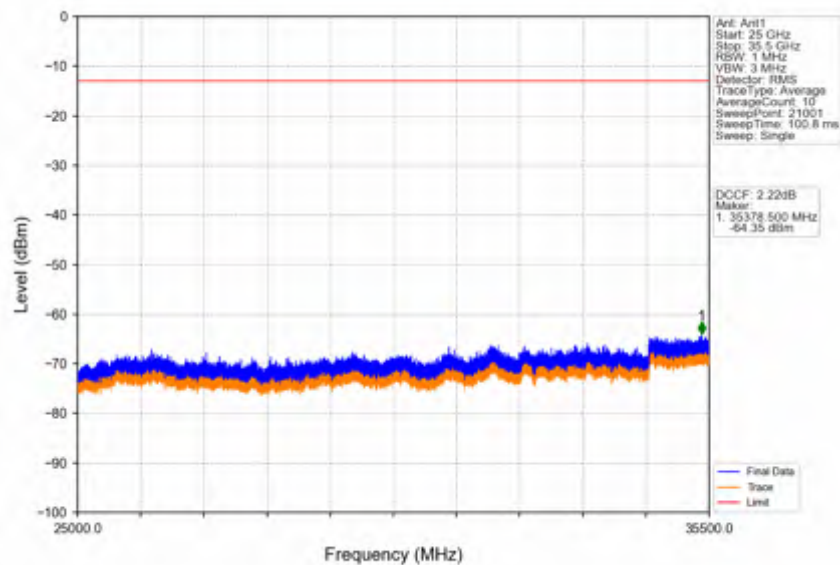


Band42a_10MHz_16QAM_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_16QAM_HCH_3545MHz_RB_1_0_NTNV



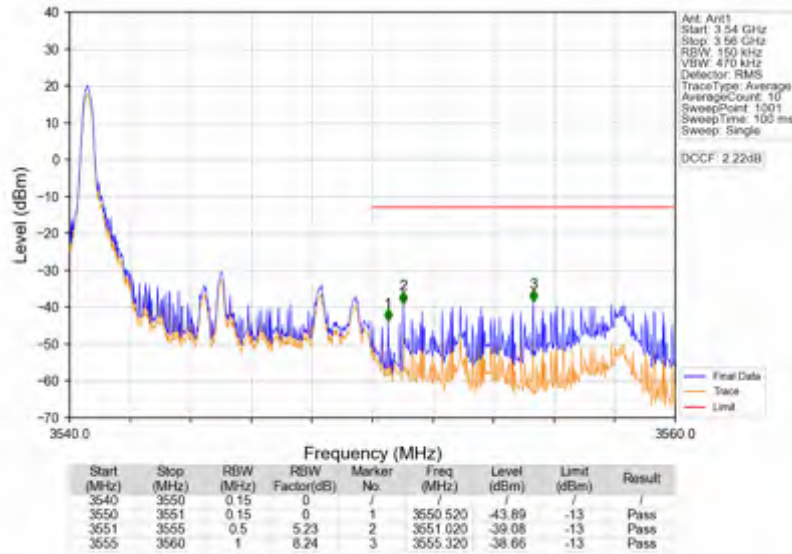
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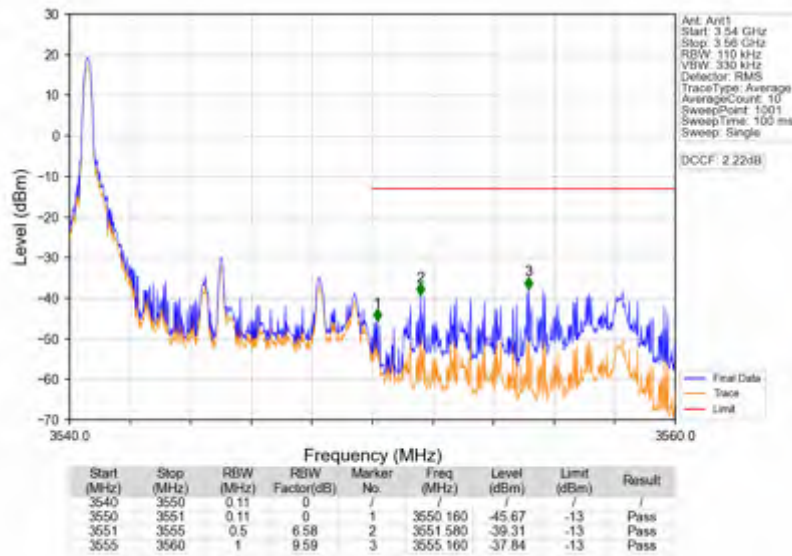
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Band42a_10MHz_16QAM_HCH_3545MHz_RB_1_49_NTNV



Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



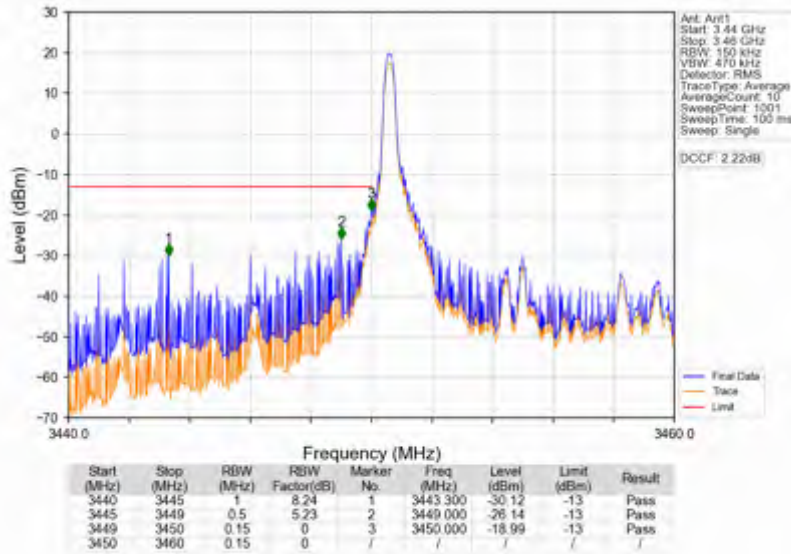
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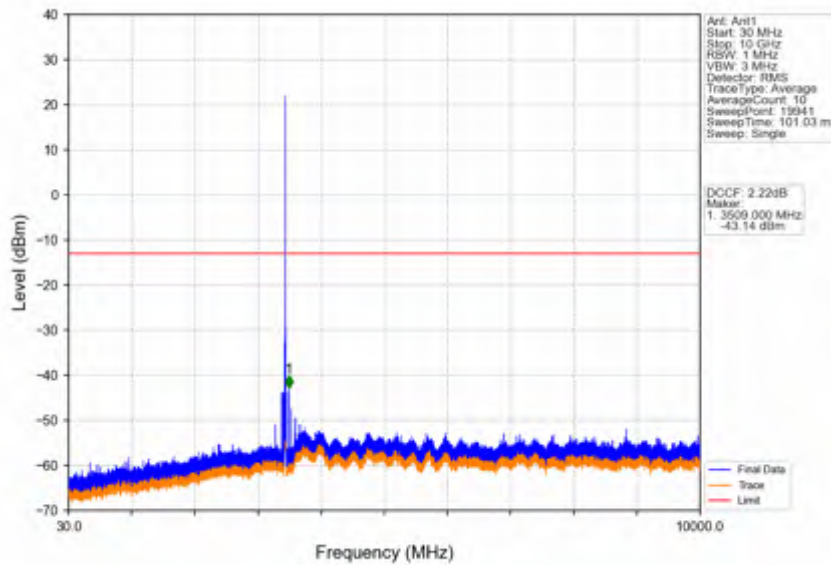
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Band42a_10MHz_64QAM_LCH_3455MHz_RB_1_0_NTNV



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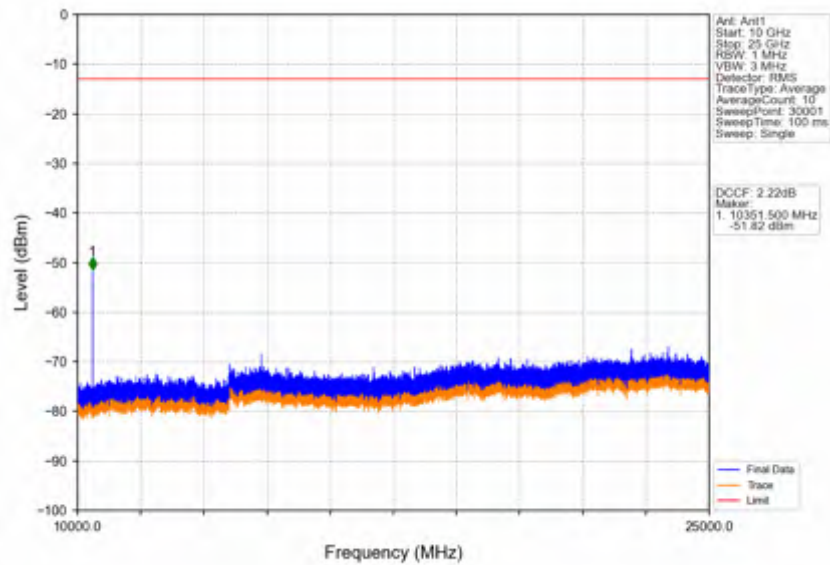


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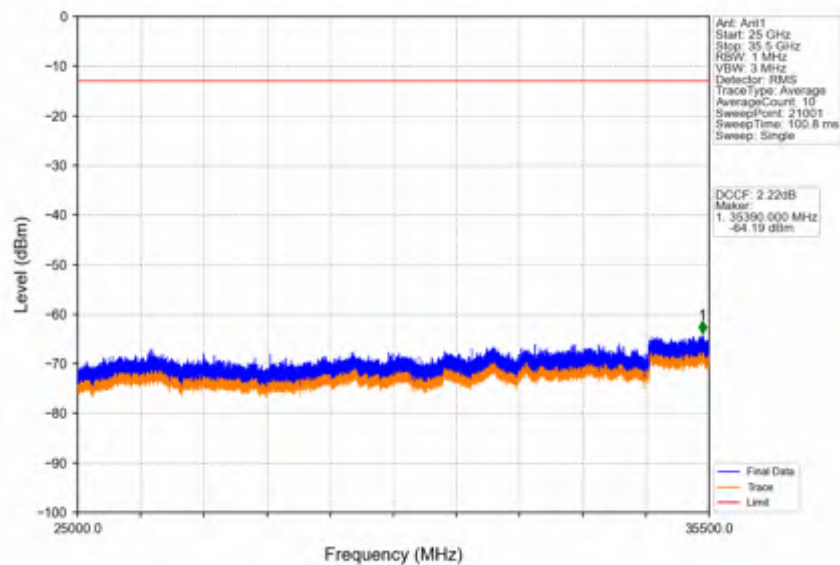
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Band42a_10MHz_64QAM_LCH_3455MHz_RB_1_0_NTNV



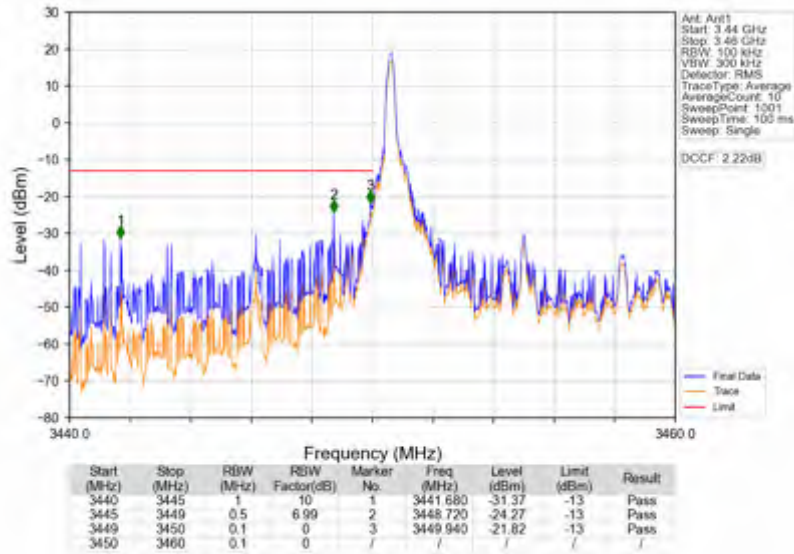
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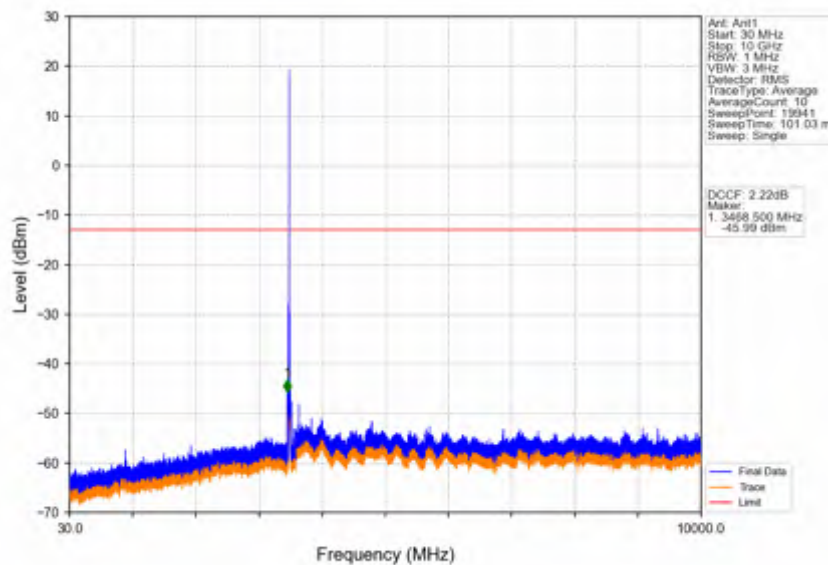
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Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



Band42a_10MHz_64QAM_MCH_3500MHz_RB_1_0_NTNV

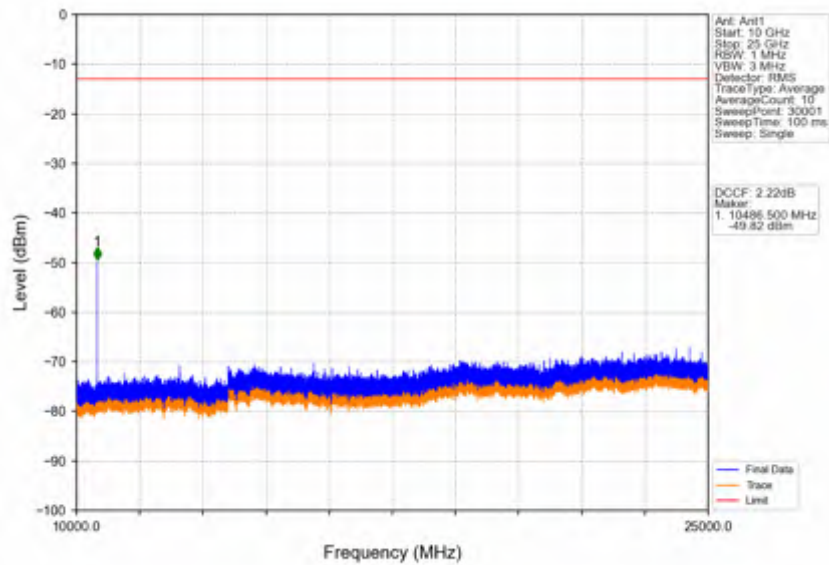


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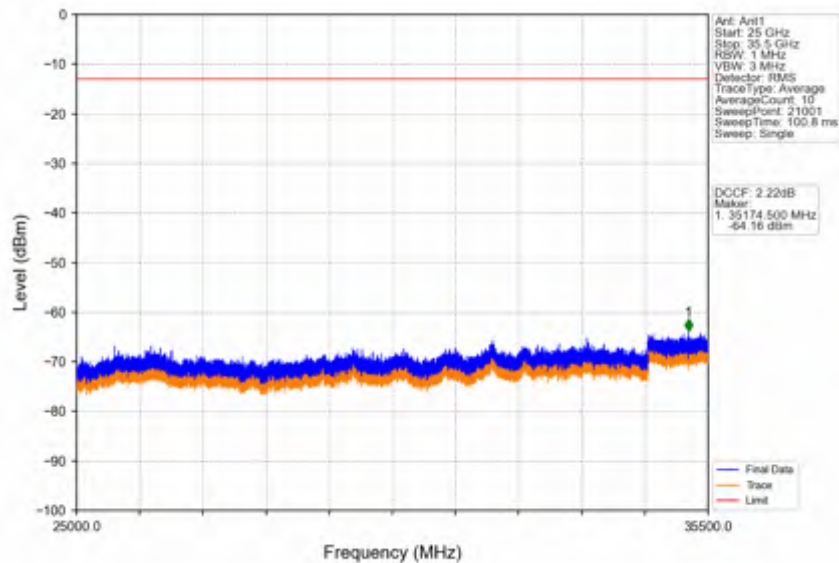
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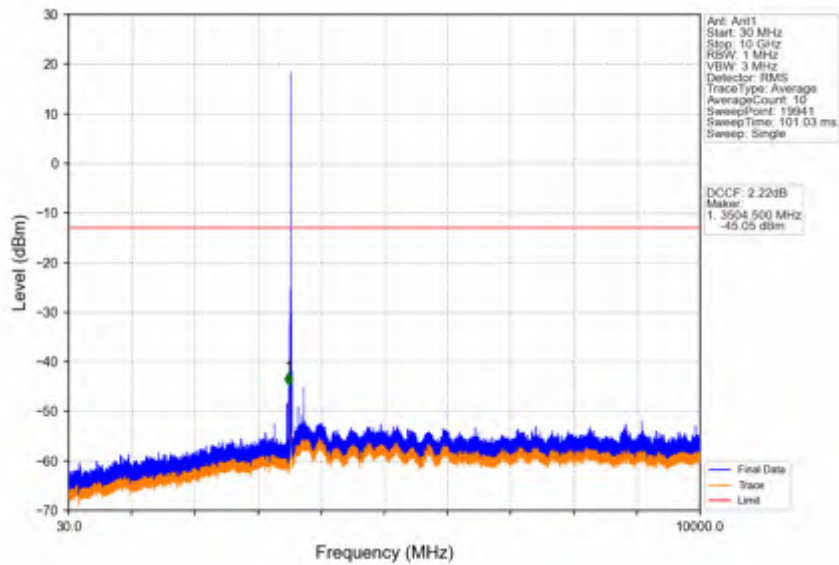


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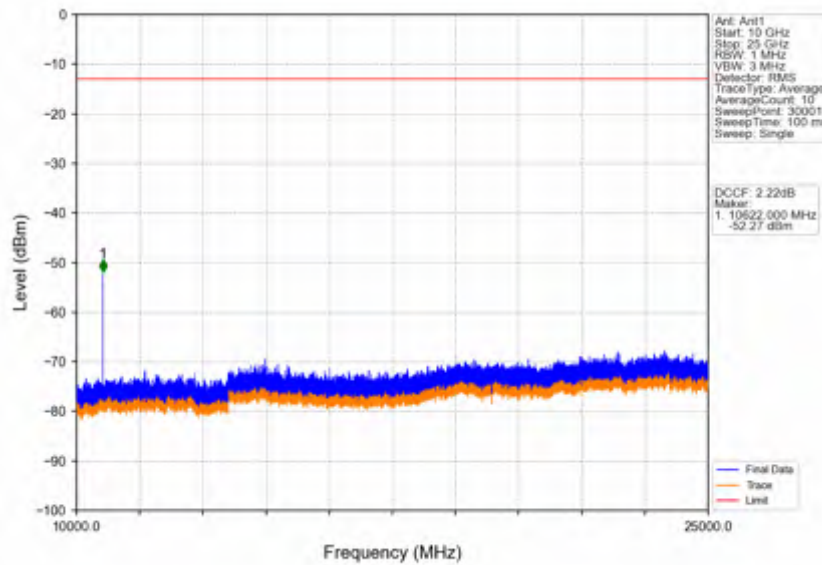
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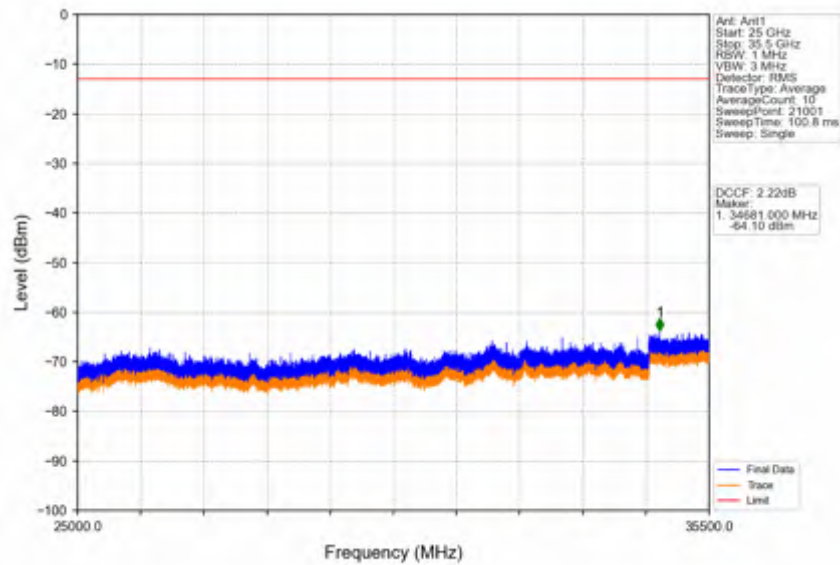


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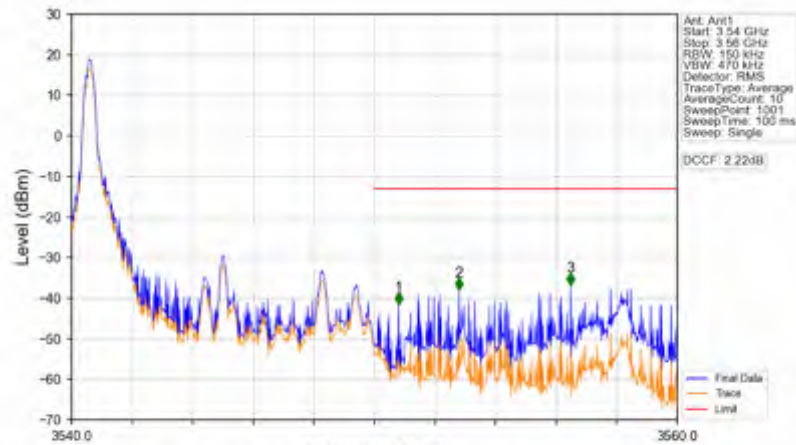
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Band42a_10MHz_64QAM_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_64QAM_HCH_3545MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3540	3550	0.15	0	1	3550.800	-41.85	-13	Pass
3551	3555	0.5	5.23	2	3552.800	-38.05	-13	Pass
3555	3560	1	8.24	3	3556.480	-36.89	-13	Pass

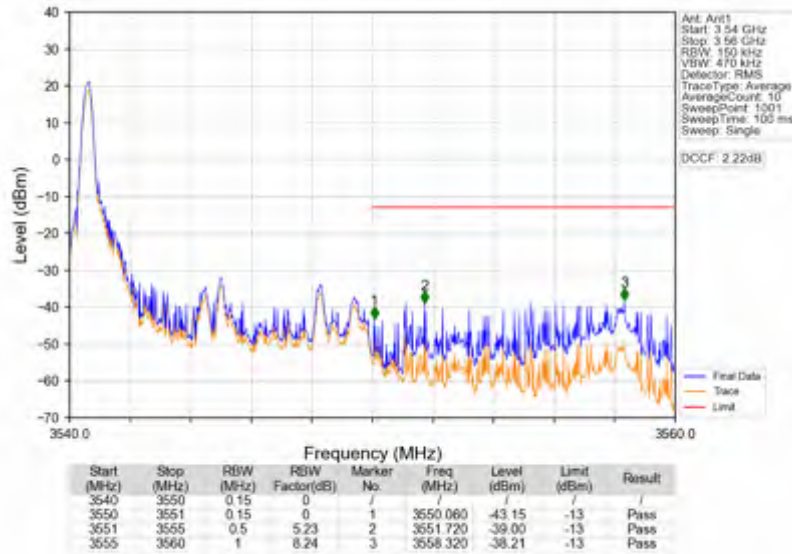


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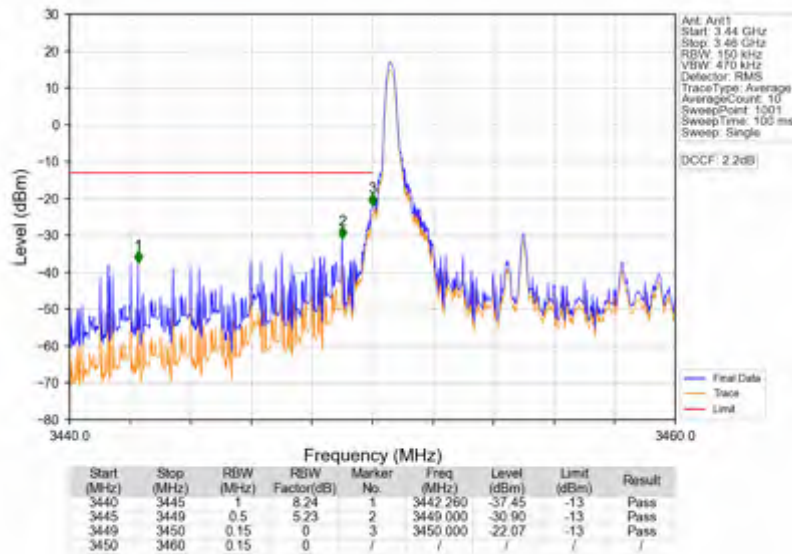
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Band42a_10MHz_256QAM_LCH_3455MHz_RB_1_0_NTNV



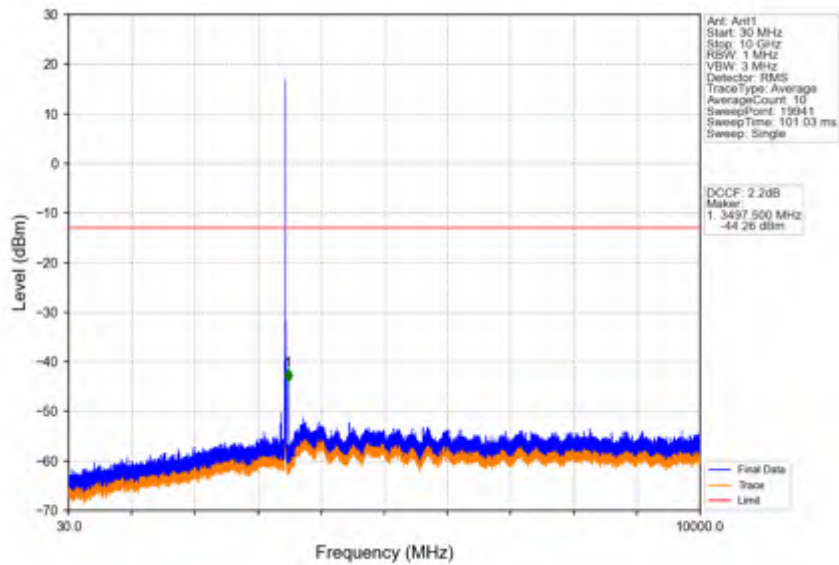
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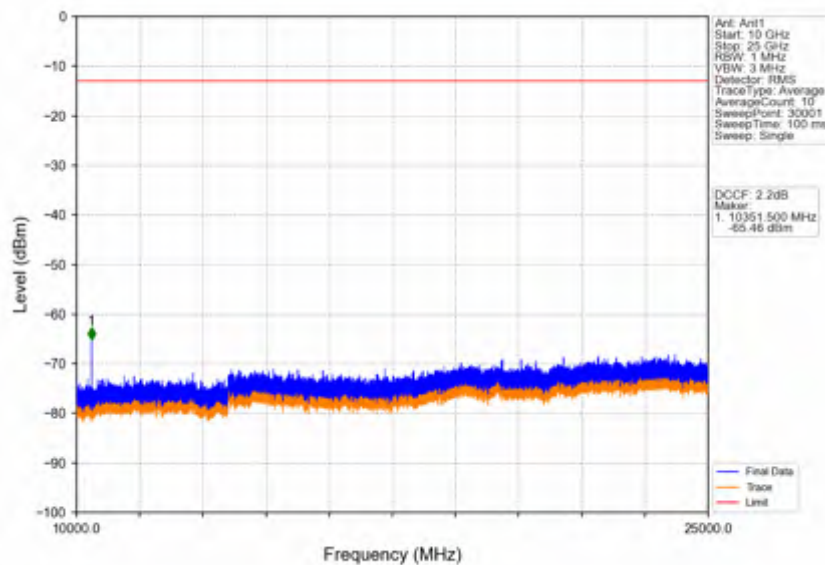
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Band42a_10MHz_256QAM_LCH_3455MHz_RB_1_0_NTNV



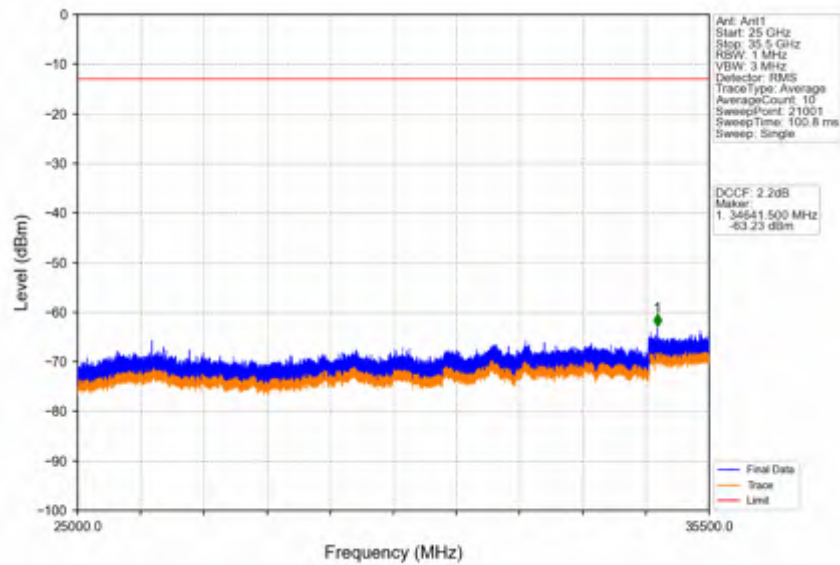
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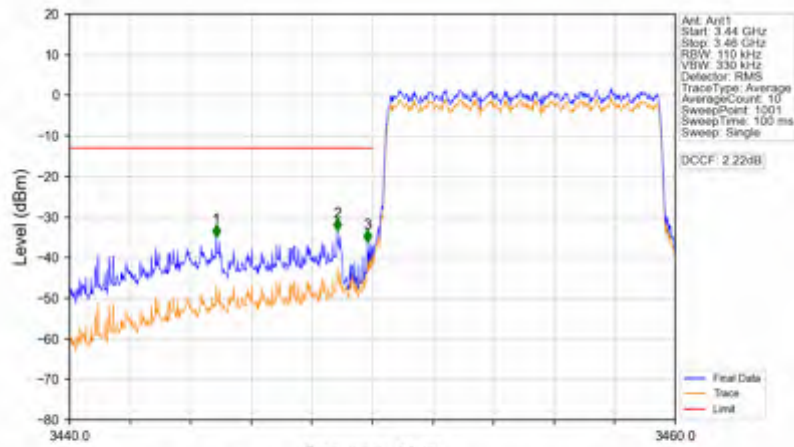
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Band42a_10MHz_256QAM_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_256QAM_LCH_3455MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3440	3445	1	0.59	1	3444.840	-34.94	-13	Pass
3445	3449	0.5	6.58	2	3448.840	-33.51	-13	Pass
3449	3450	0.11	0	3	3449.840	-36.22	-13	Pass
3450	3460	0.11	0	/	/	/	/	/

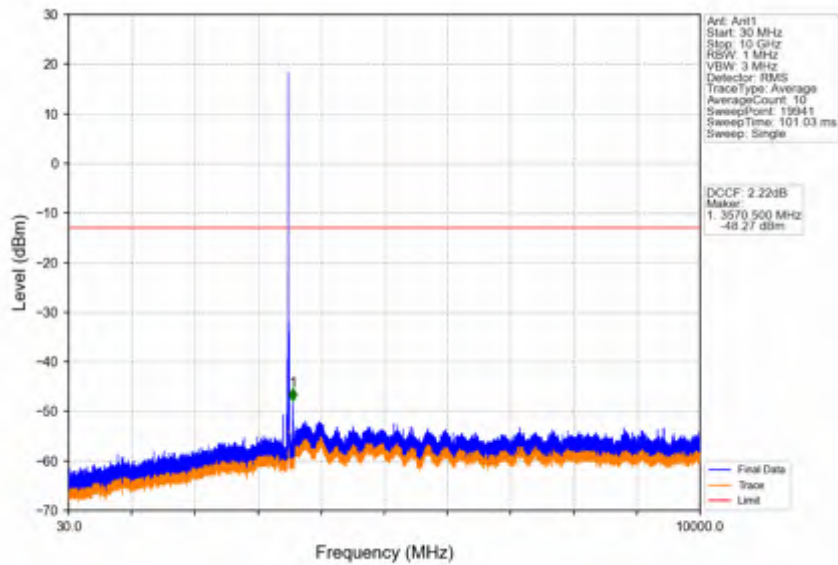


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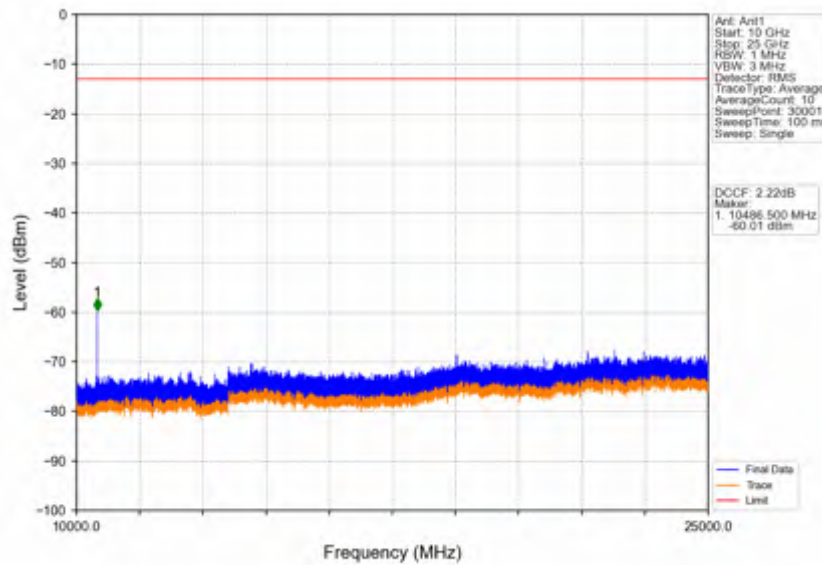
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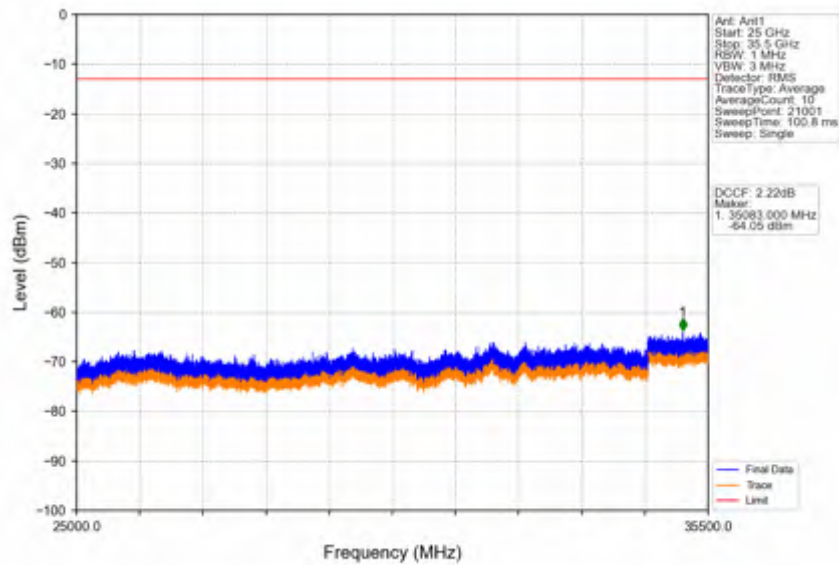
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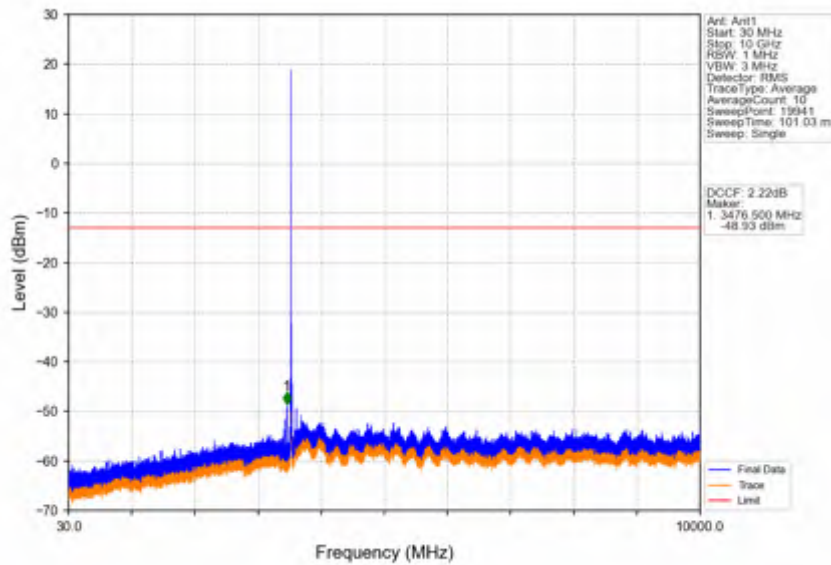
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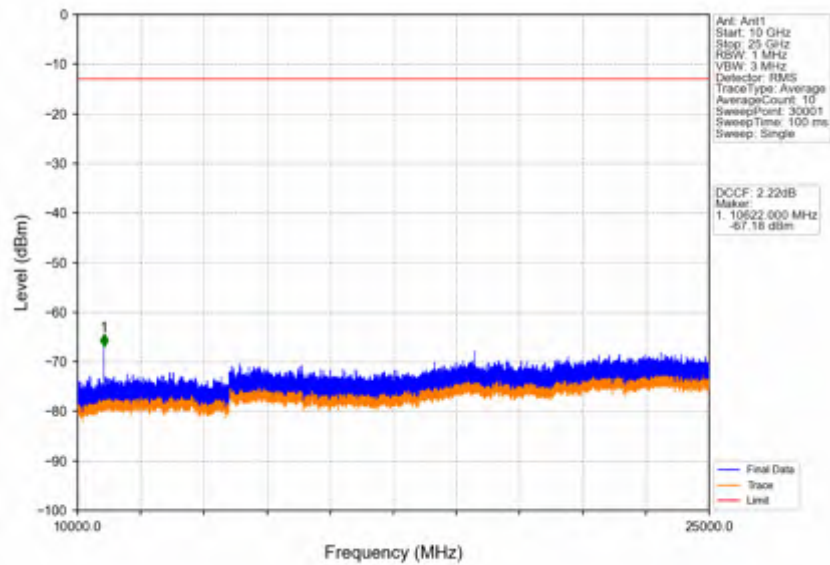


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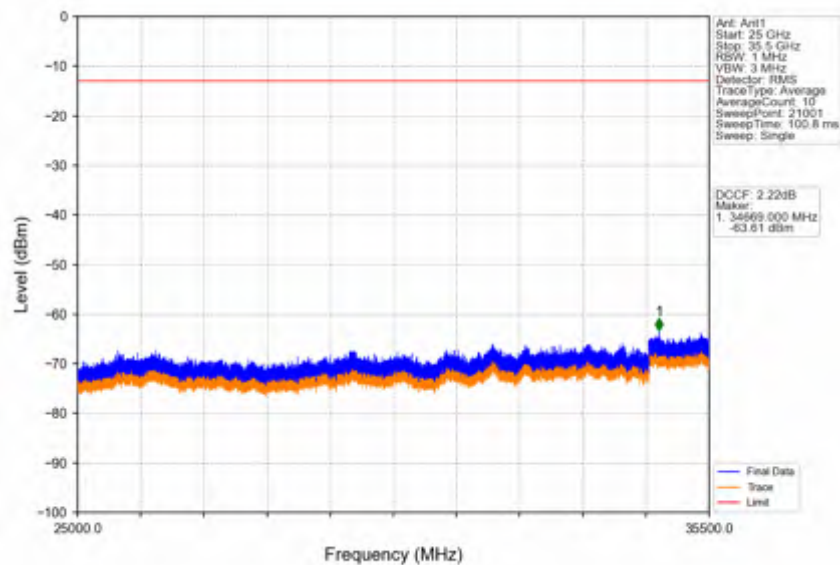
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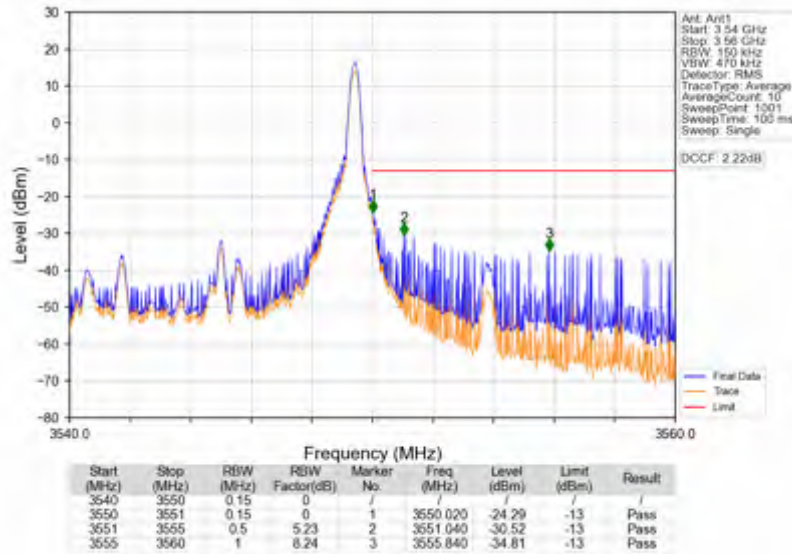
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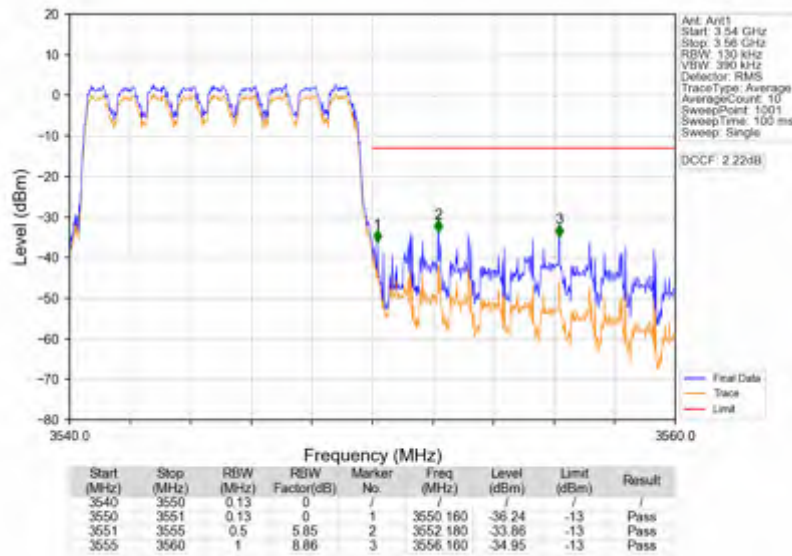
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11.3 B42a_15MHz

11.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	3457.5	1	0	Refer To Test Graph		Pass	
		75	0	Refer To Test Graph		Pass	
	3500	1	0	Refer To Test Graph		Pass	
		3542.5	1	0	Refer To Test Graph		Pass
			74	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass	
16QAM	3457.5	1	0	Refer To Test Graph		Pass	
		75	0	Refer To Test Graph		Pass	
	3500	1	0	Refer To Test Graph		Pass	
		3542.5	1	0	Refer To Test Graph		Pass
			74	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass	
64QAM	3457.5	1	0	Refer To Test Graph		Pass	
		75	0	Refer To Test Graph		Pass	
	3500	1	0	Refer To Test Graph		Pass	
		3542.5	1	0	Refer To Test Graph		Pass
			74	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass	
256QAM	3457.5	1	0	Refer To Test Graph		Pass	
		75	0	Refer To Test Graph		Pass	
	3500	1	0	Refer To Test Graph		Pass	
		3542.5	1	0	Refer To Test Graph		Pass
			74	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass	

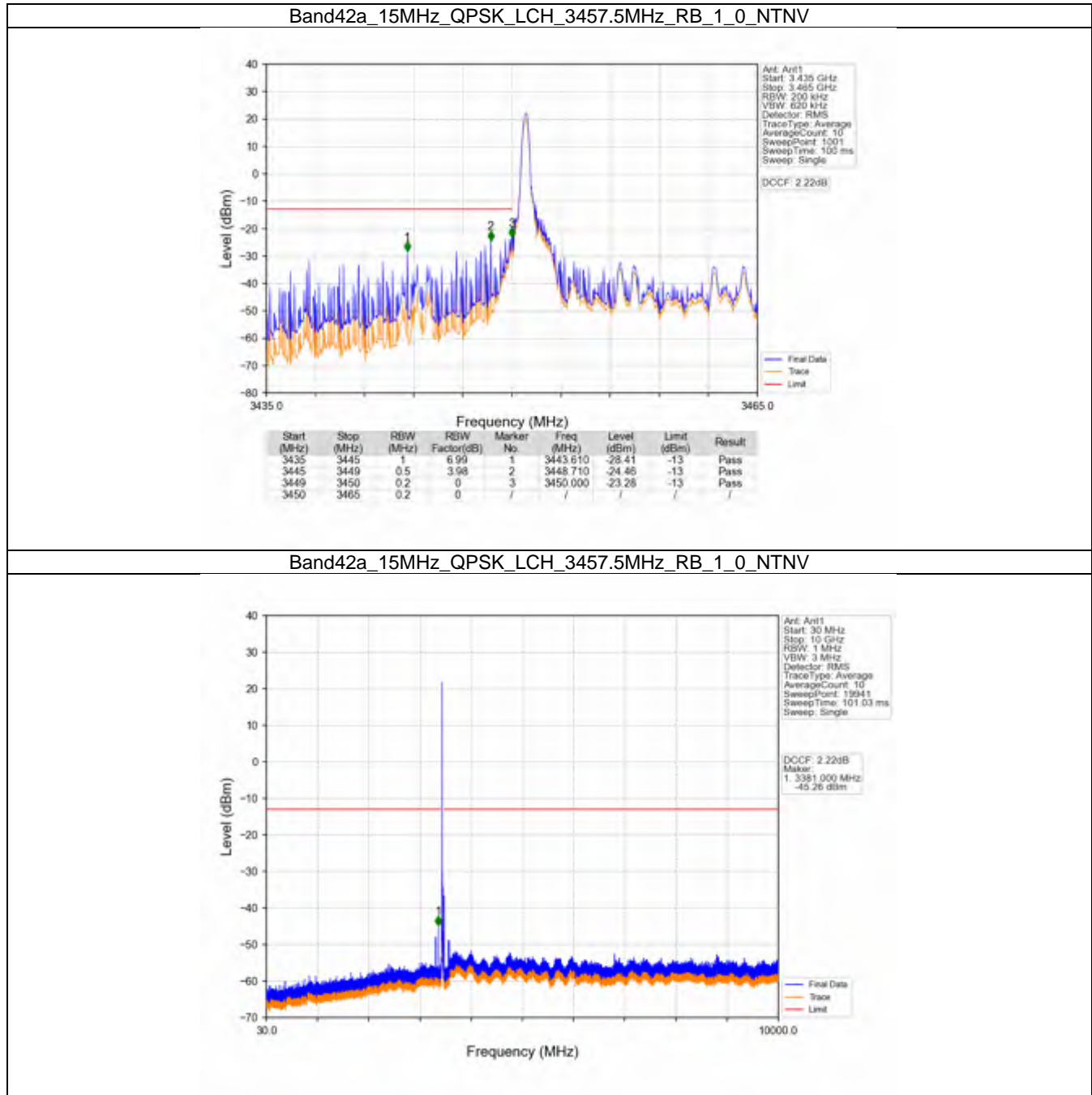


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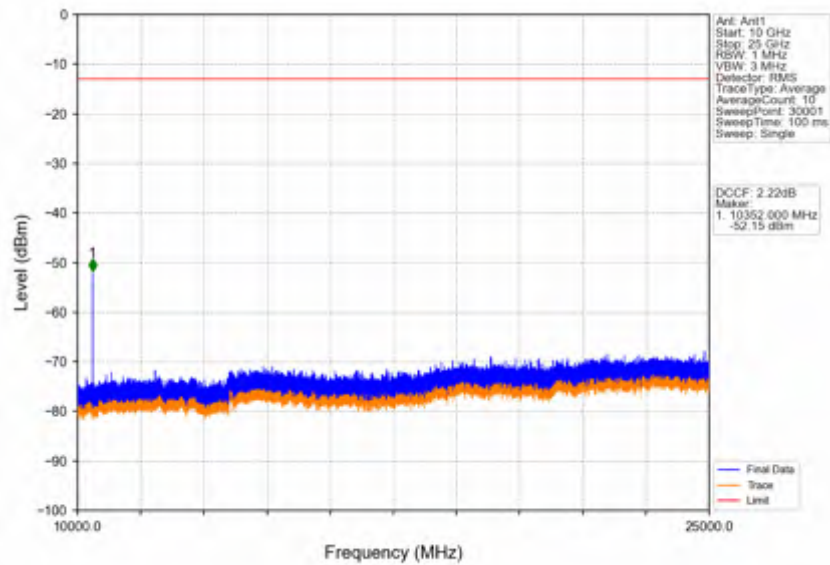
11.3.2 Test Graph



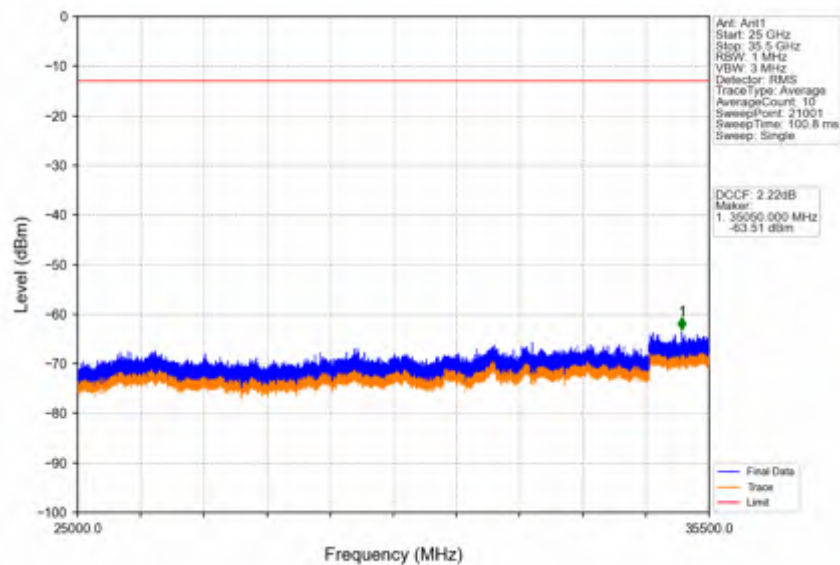
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Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



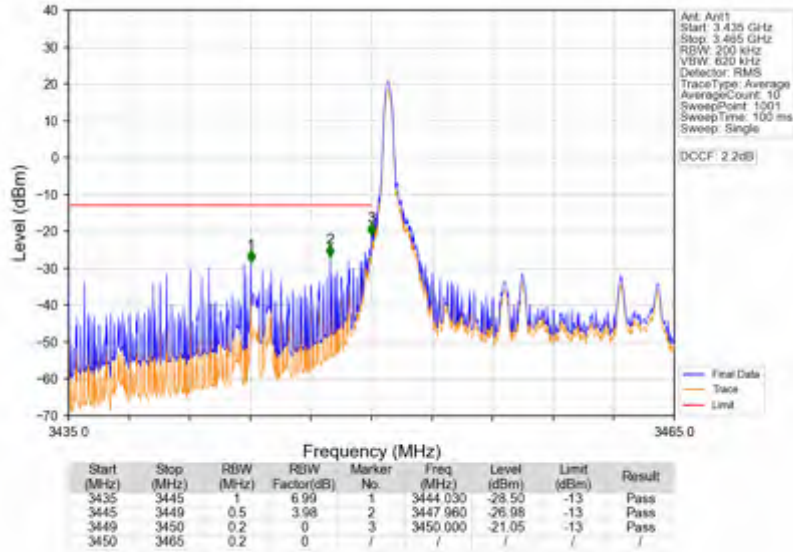
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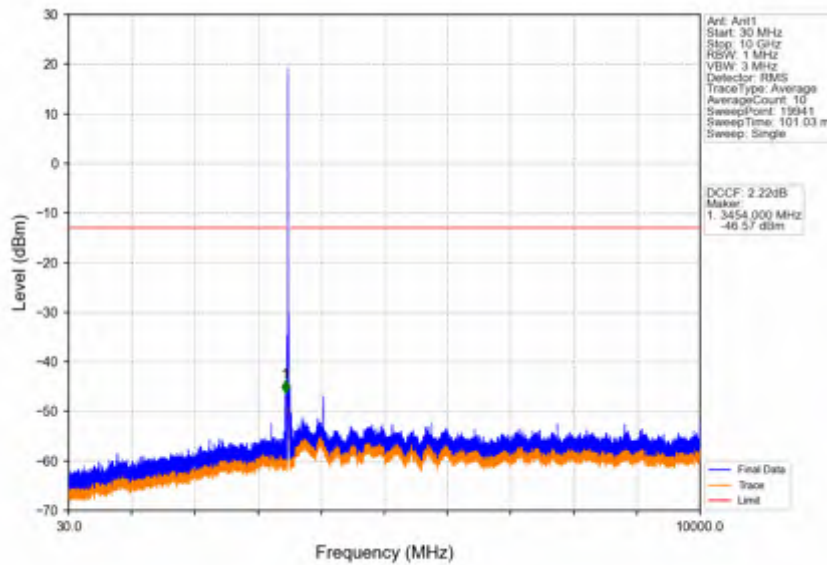
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Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV

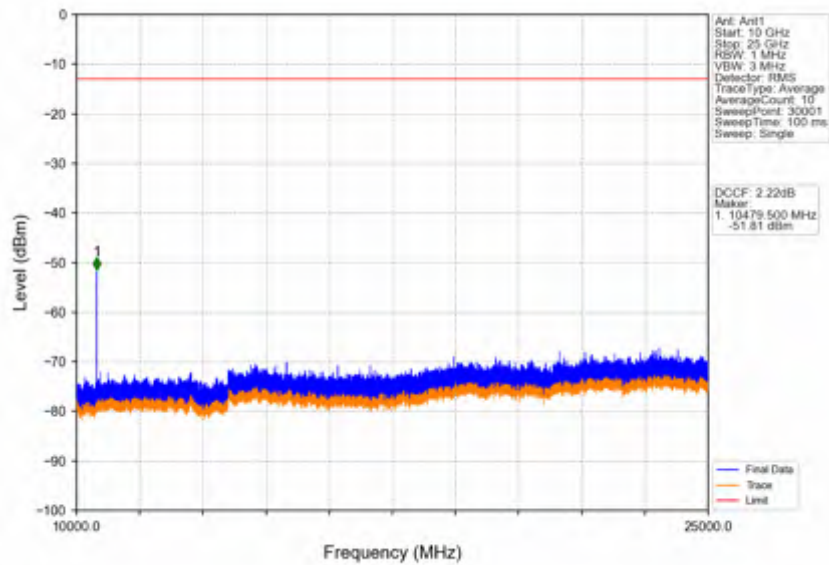


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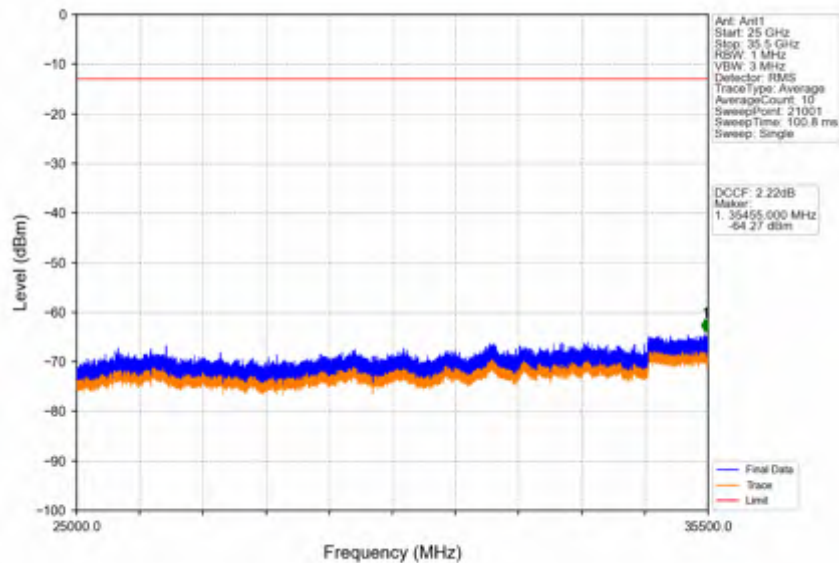
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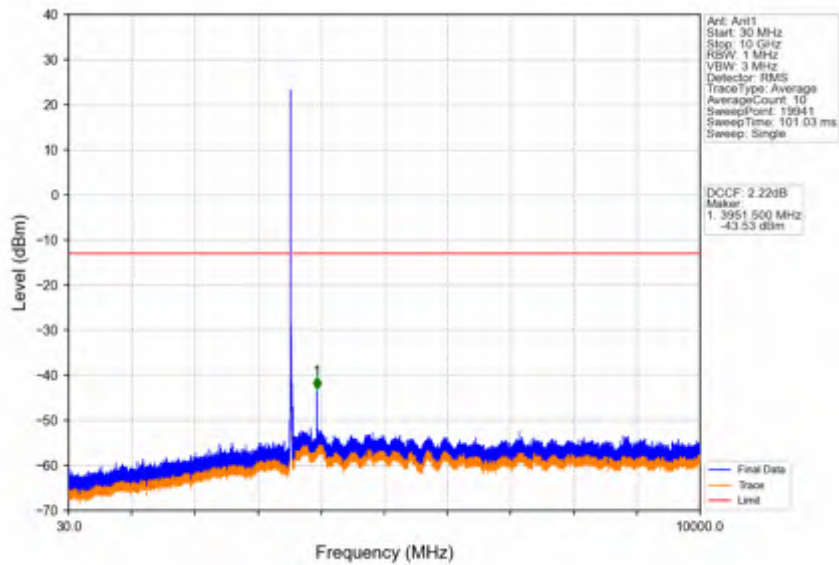
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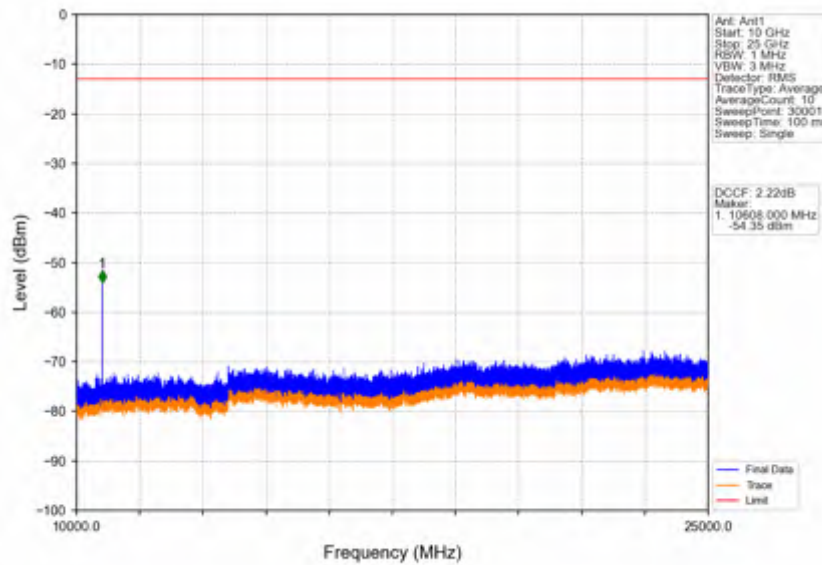
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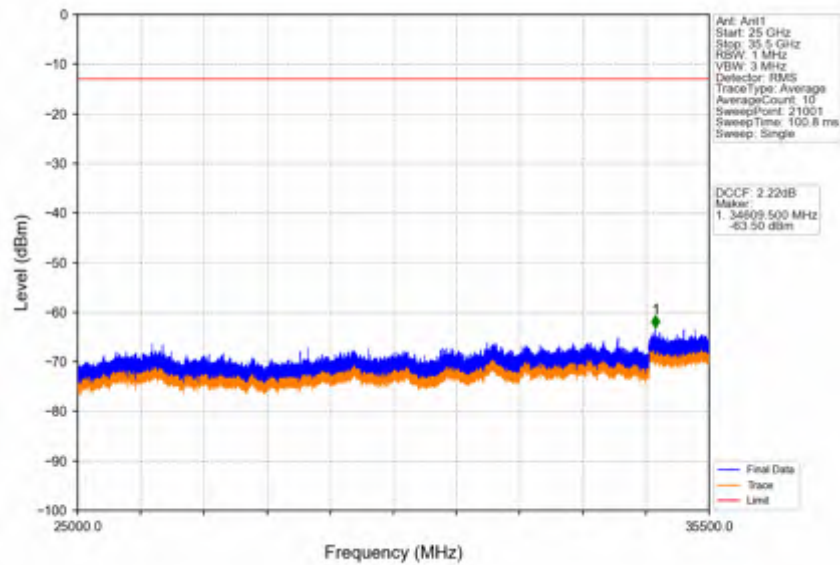
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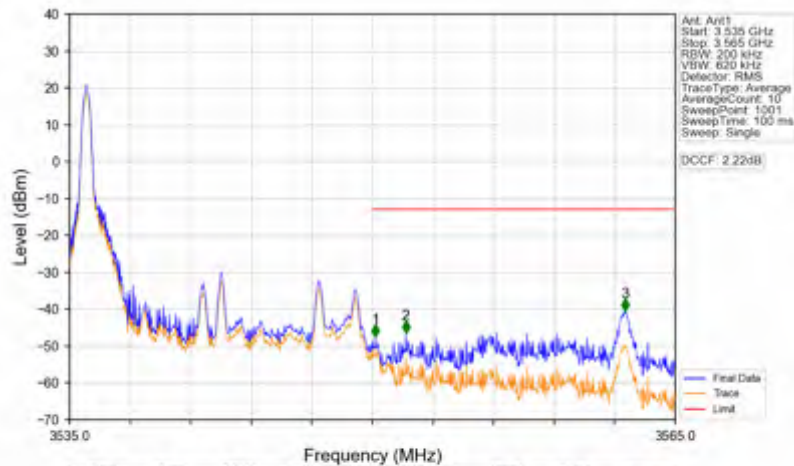
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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.2	0	1	3550.150	-47.49	-13	Pass
3550	3551	0.2	0	2	3551.650	-46.52	-13	Pass
3551	3555	0.5	3.98	3	3562.510	-40.51	-13	Pass

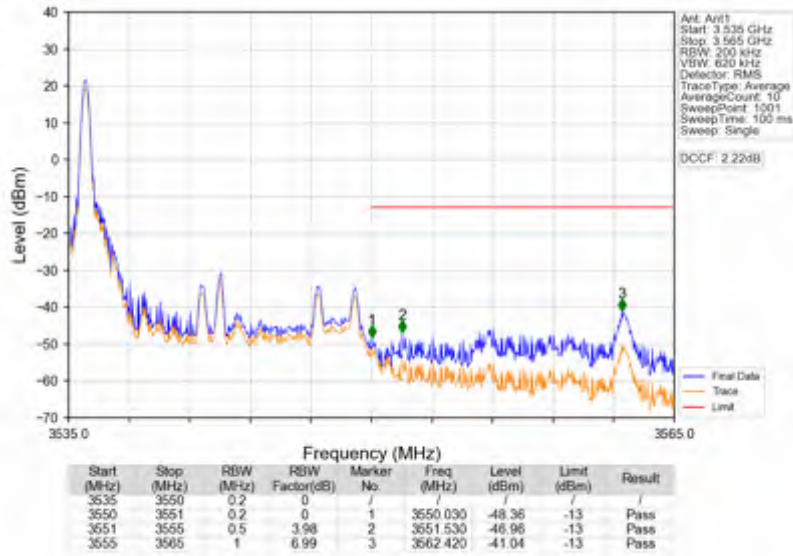


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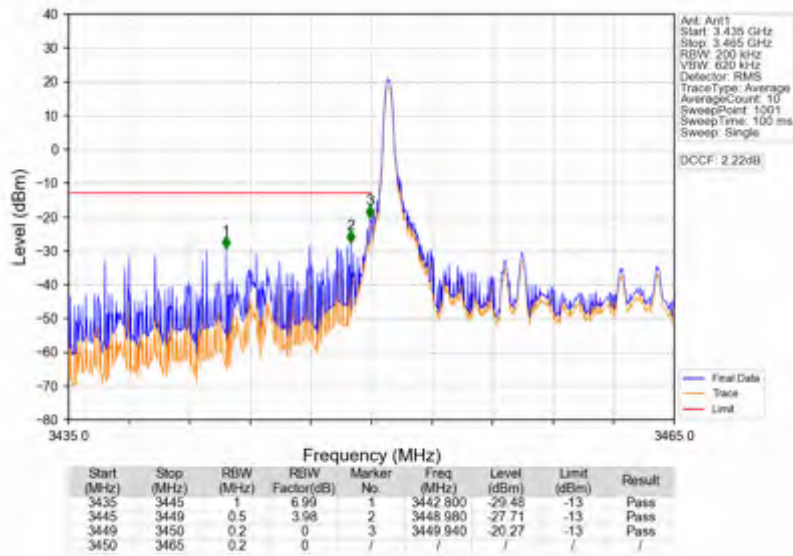
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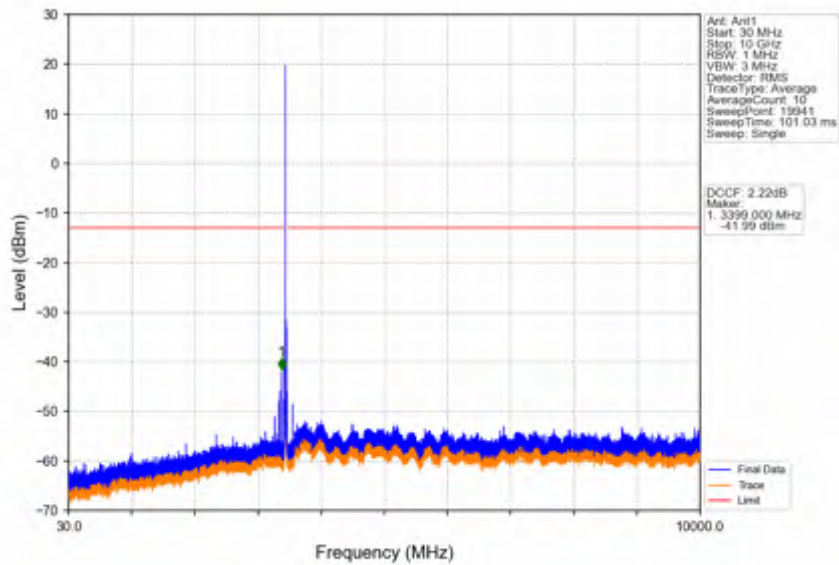
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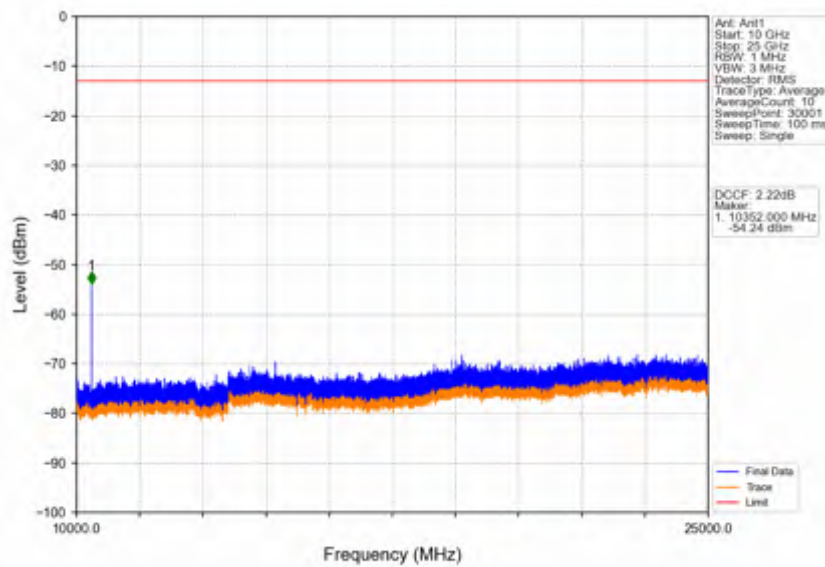
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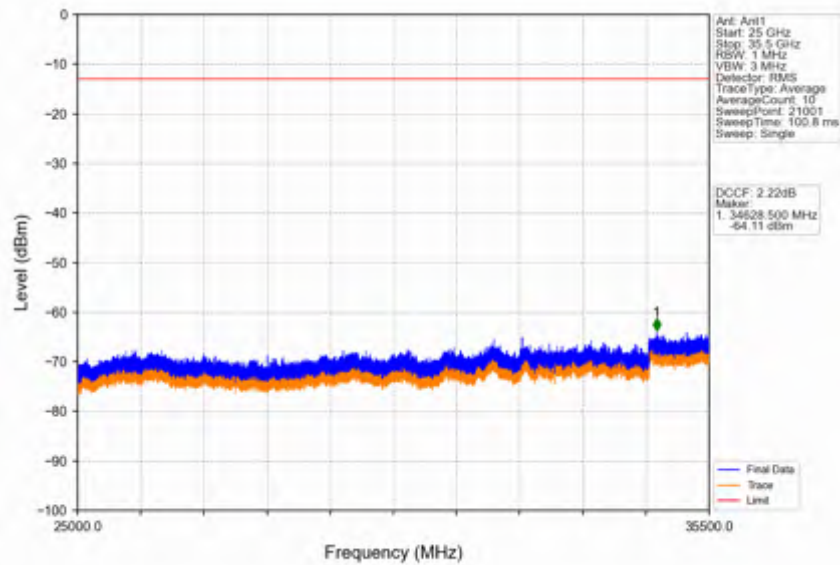


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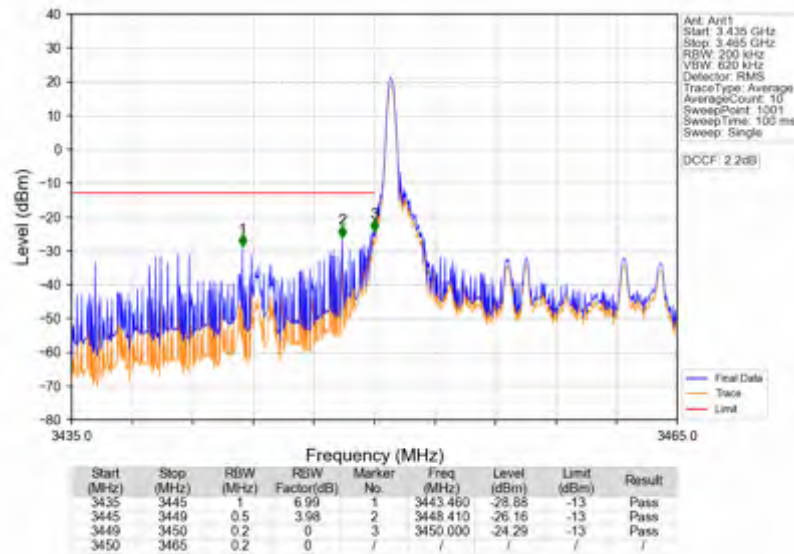
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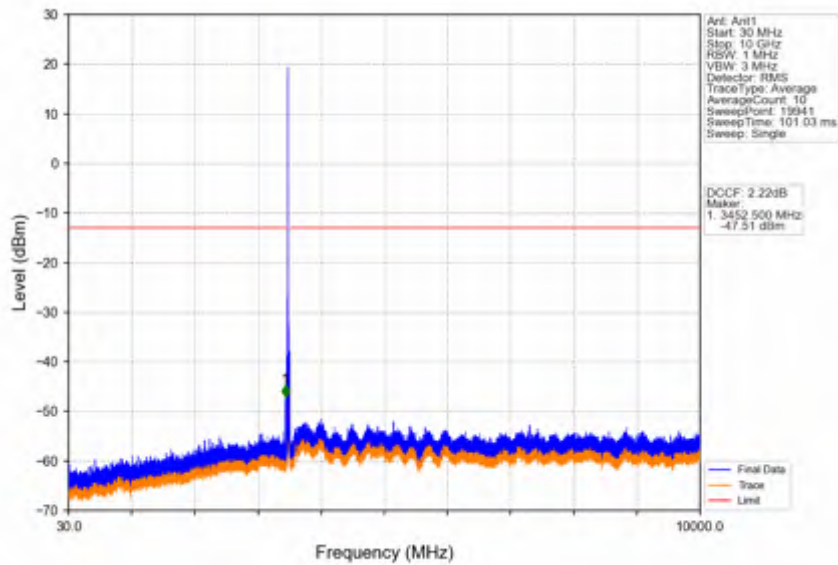


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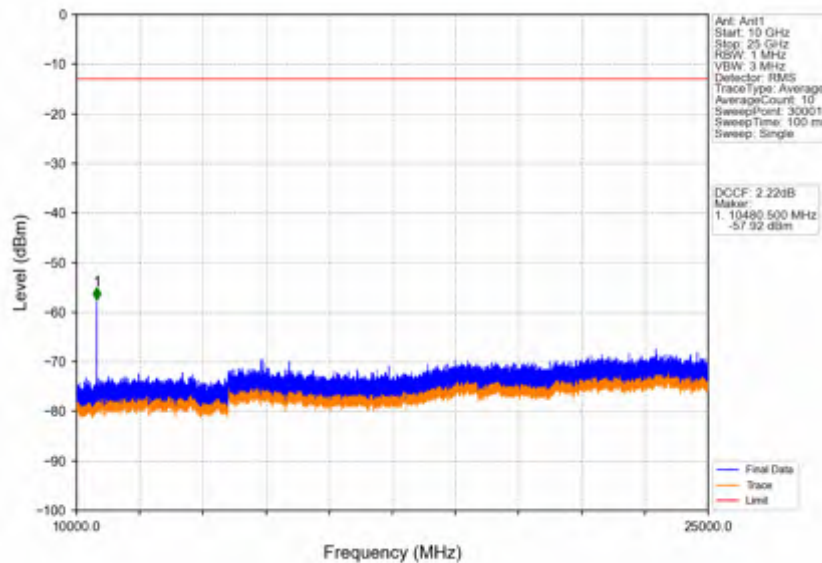
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Band42a_15MHz_16QAM_MCH_3500MHz_RB_1_0_NTNV



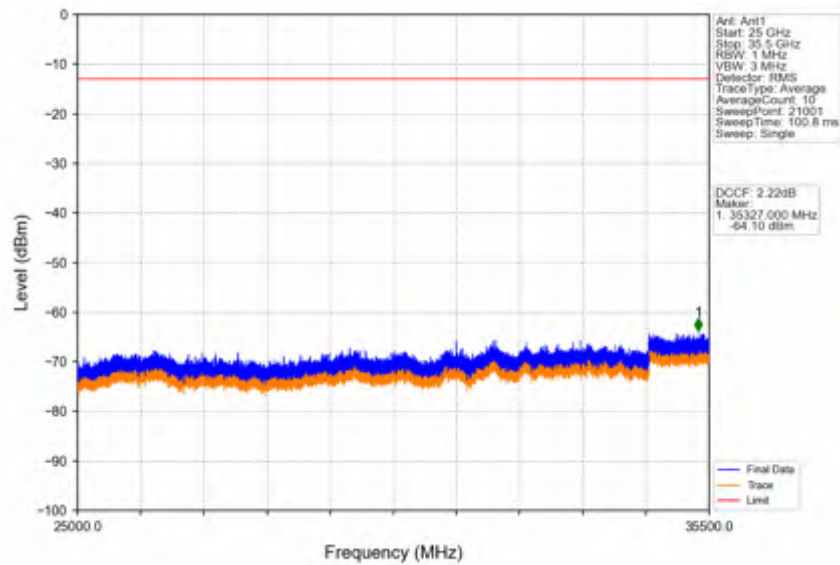
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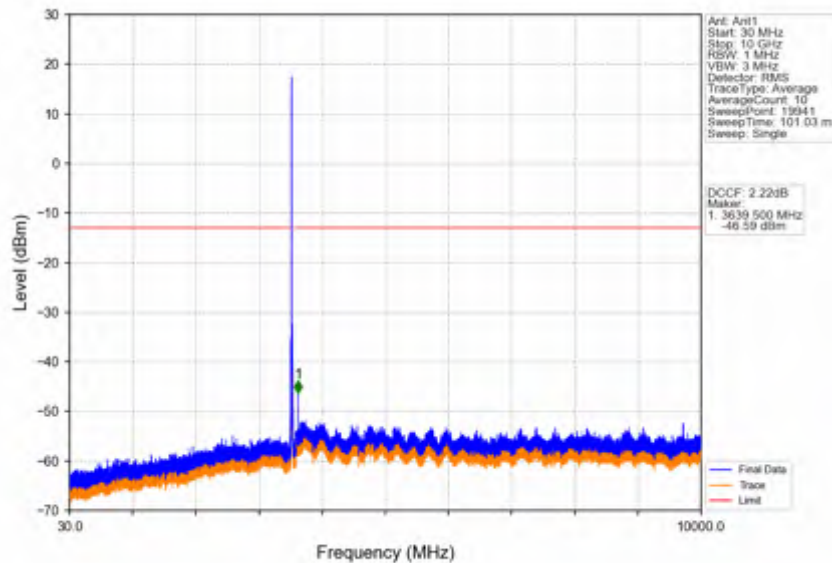
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Band42a_15MHz_16QAM_MCH_3500MHz_RB_1_0_NTNV



Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_1_0_NTNV



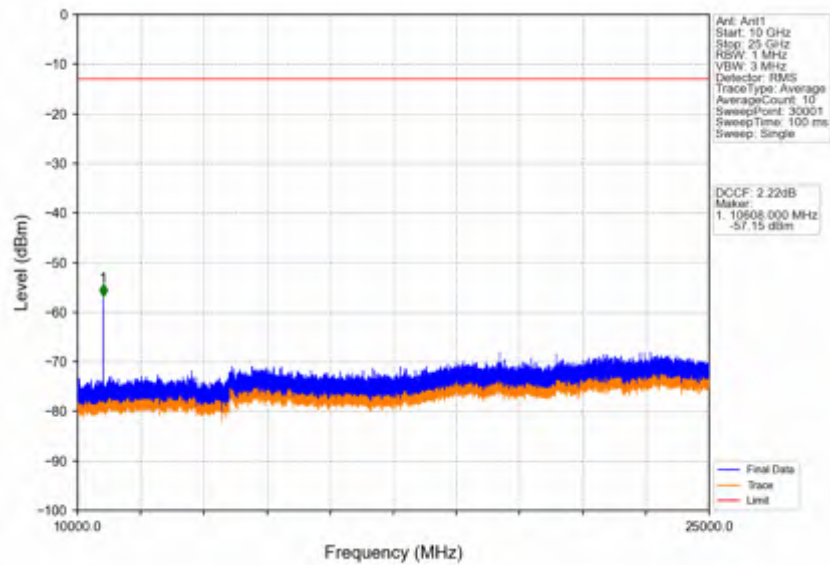
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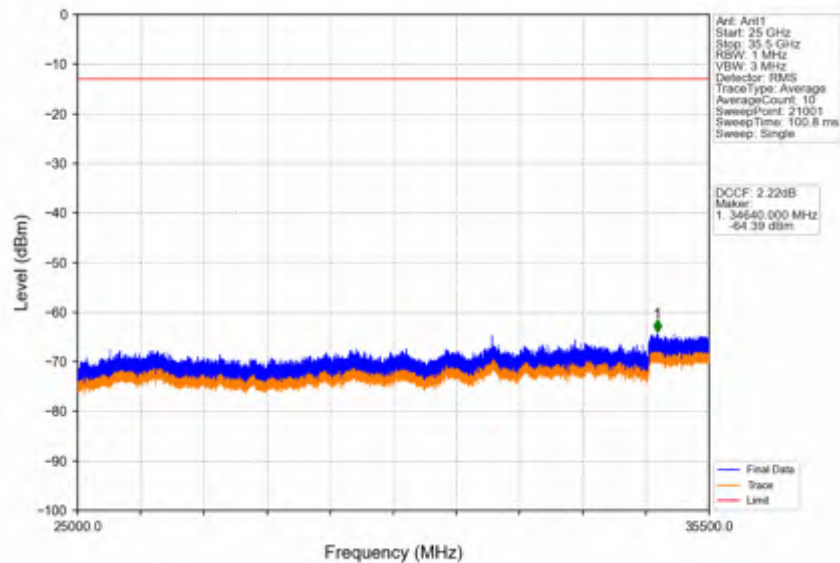
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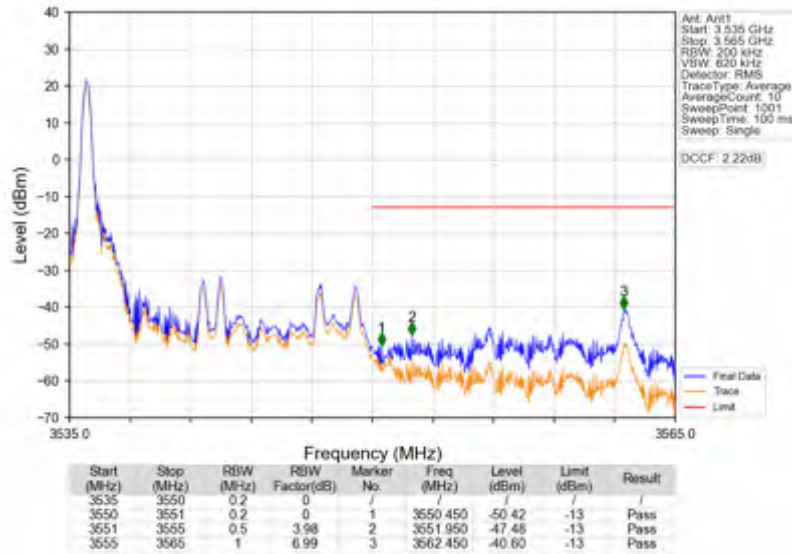


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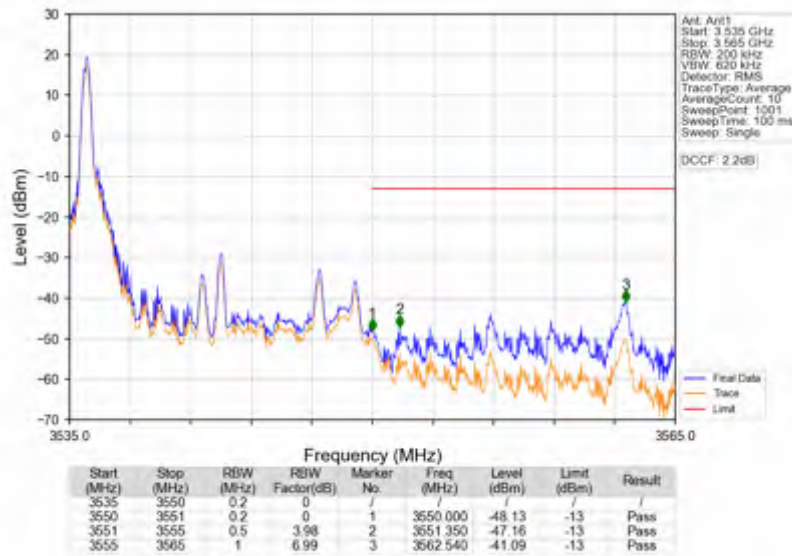
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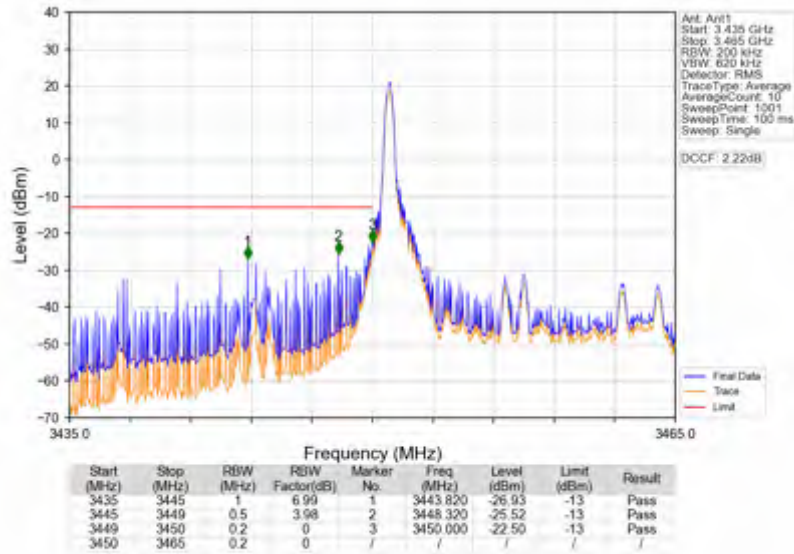


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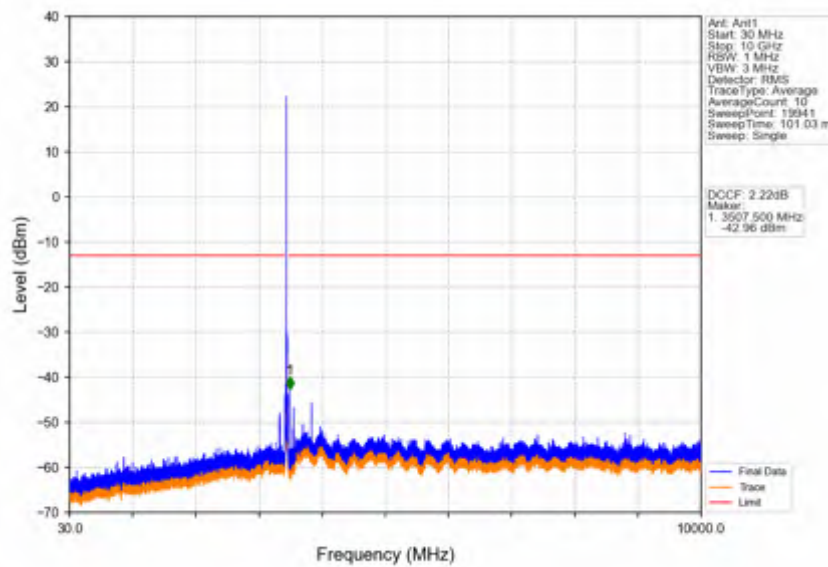
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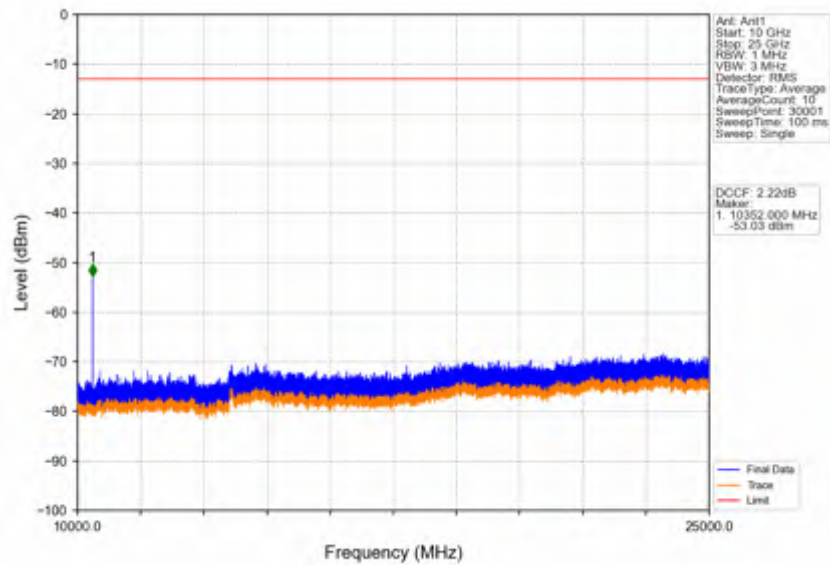


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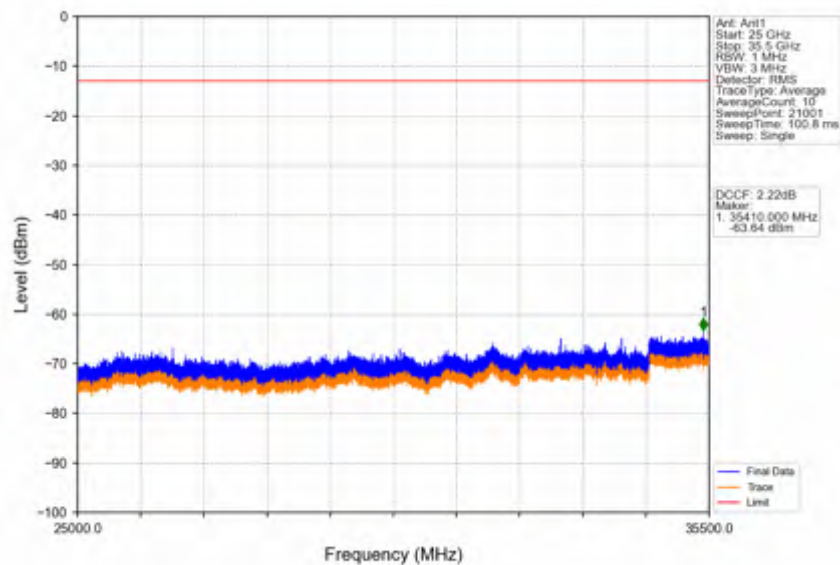
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Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_1_0_NTNV



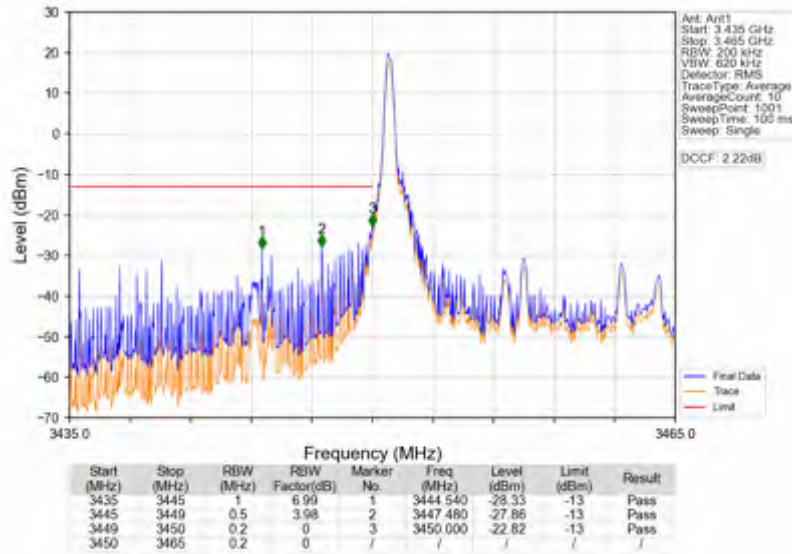
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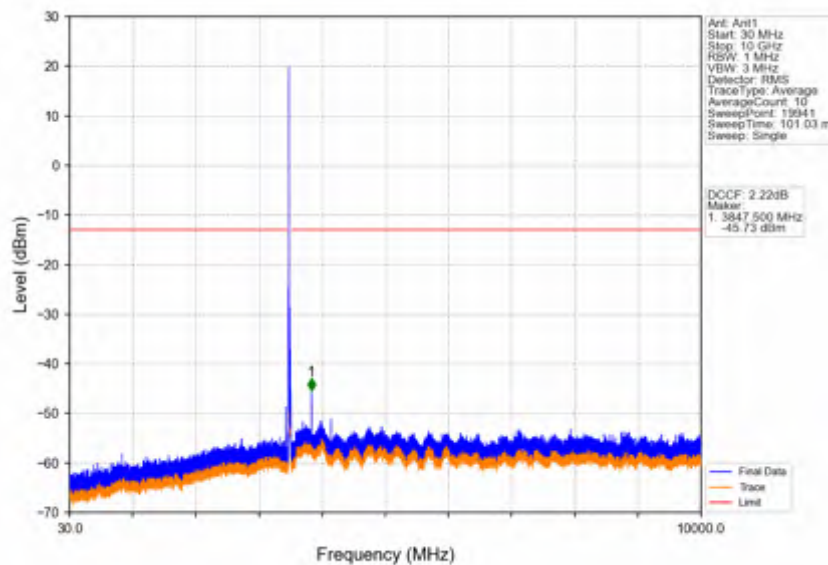
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Band42a_15MHz_64QAM_MCH_3500MHz_RB_1_0_NTNV



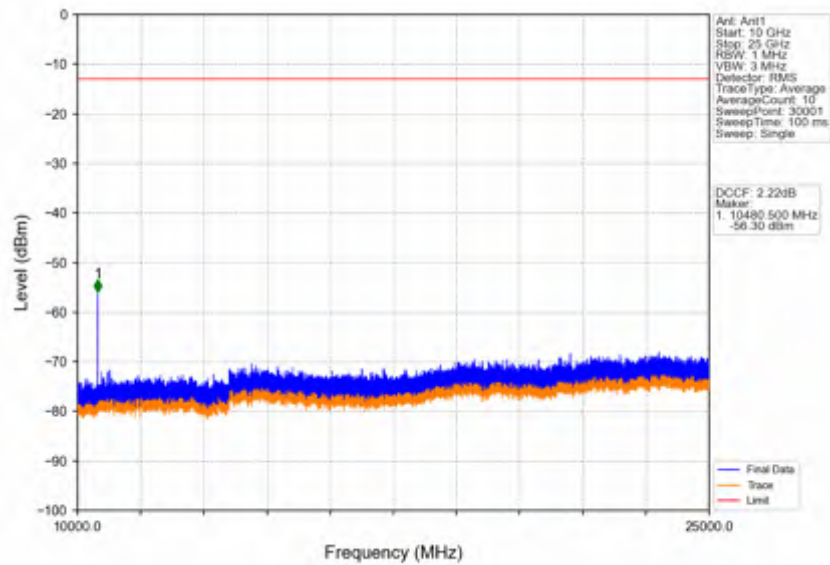
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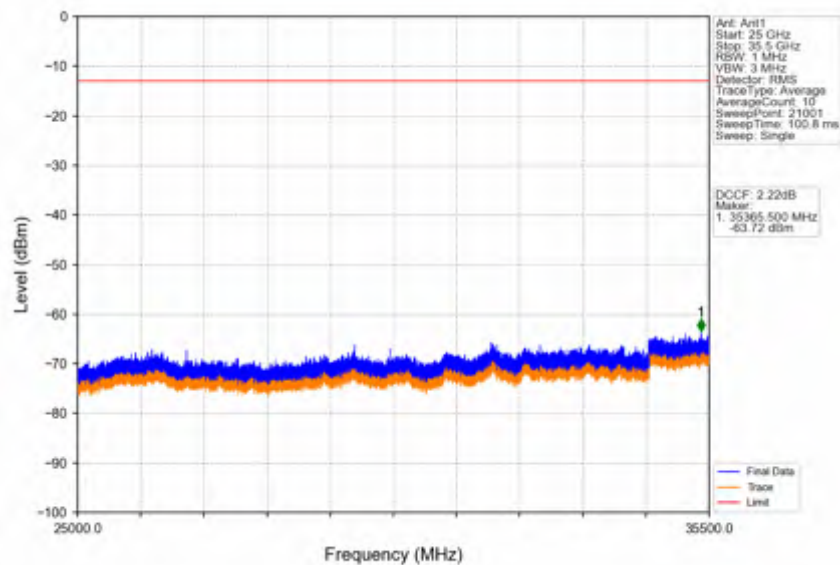
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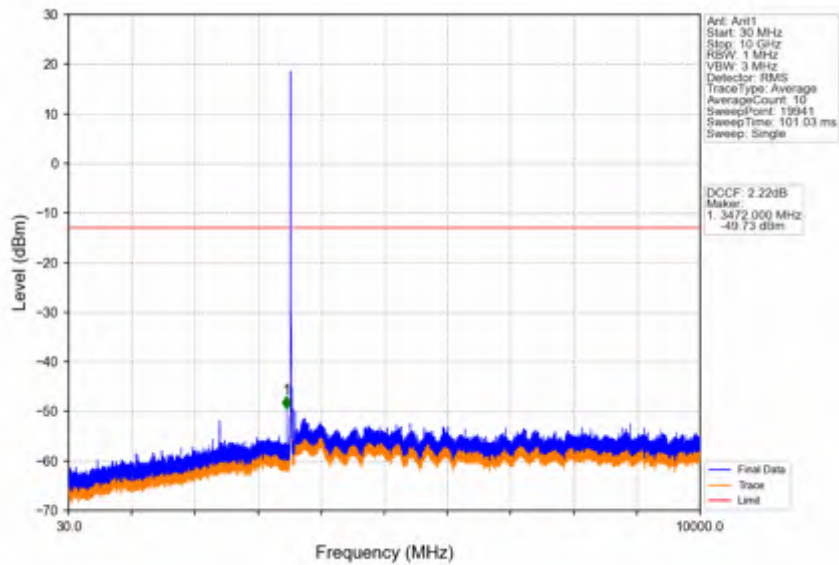
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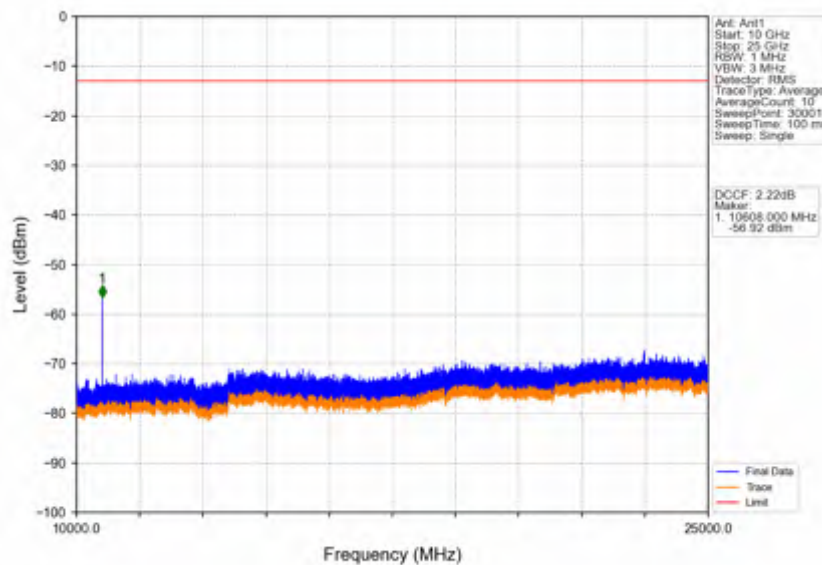
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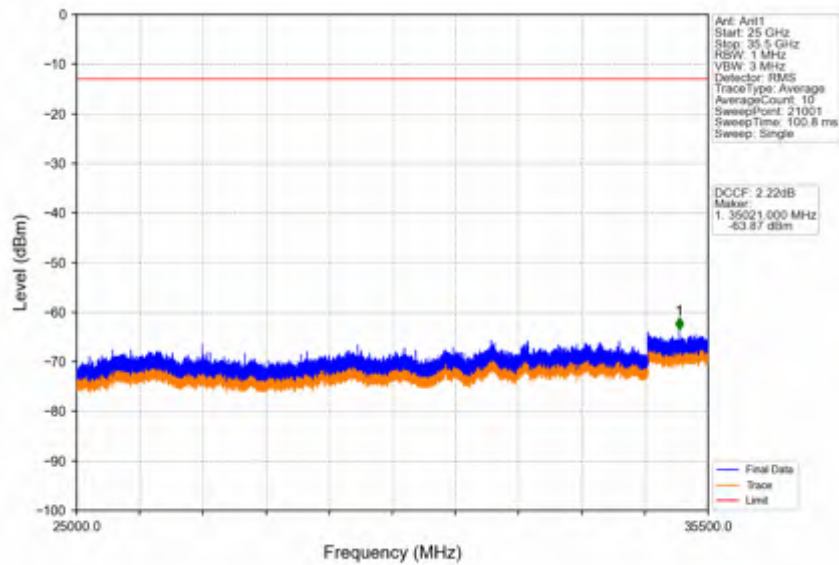


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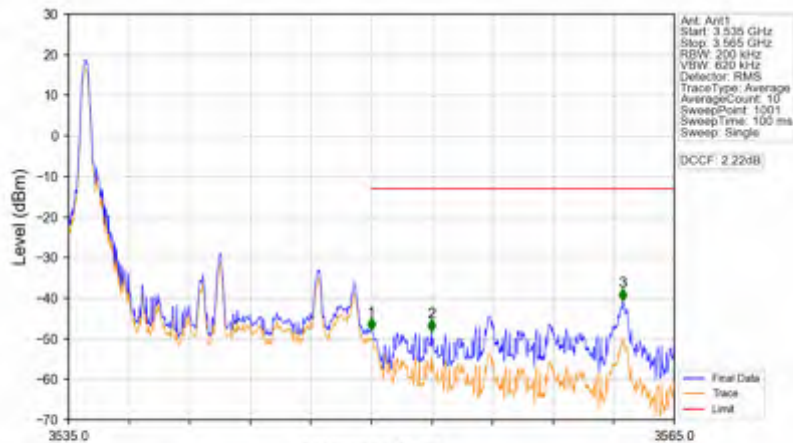
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Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.2	0	1	3550.000	-47.93	-13	Pass
3550	3551	0.2	0	2	3552.970	-48.25	-13	Pass
3551	3555	0.5	3.98	2	3552.970	-48.25	-13	Pass
3555	3565	1	6.99	3	3562.450	-40.63	-13	Pass

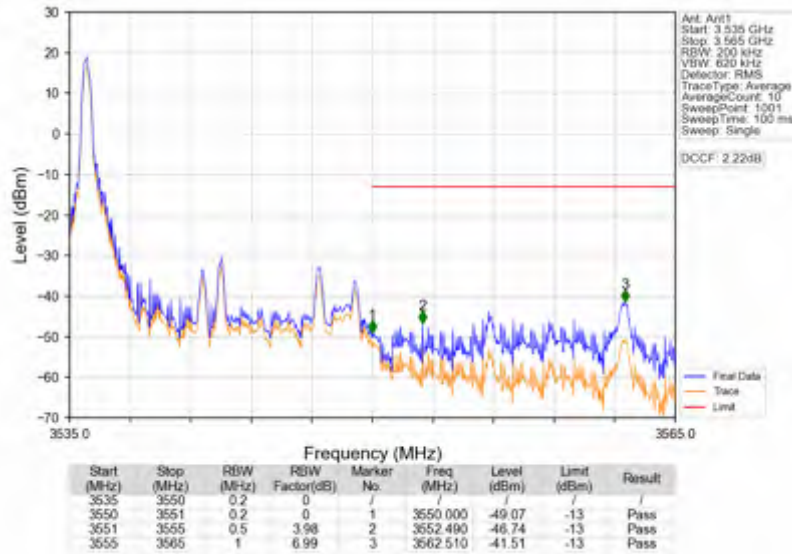


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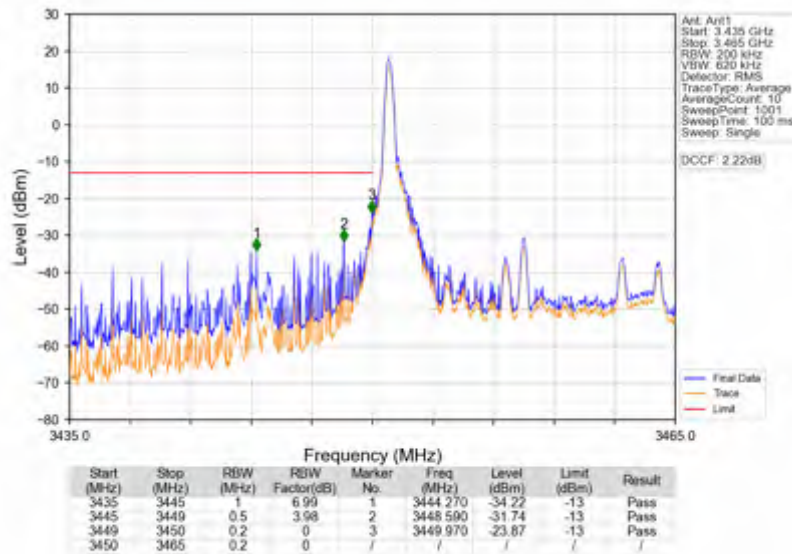
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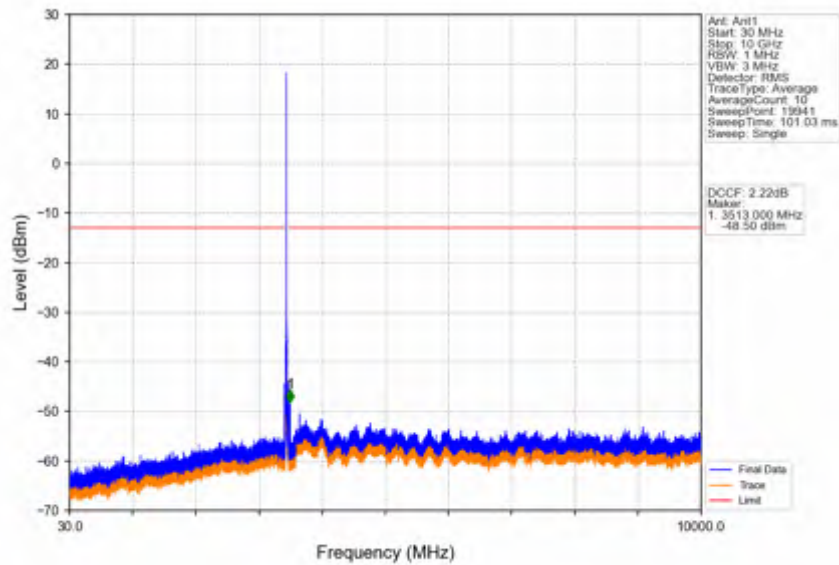


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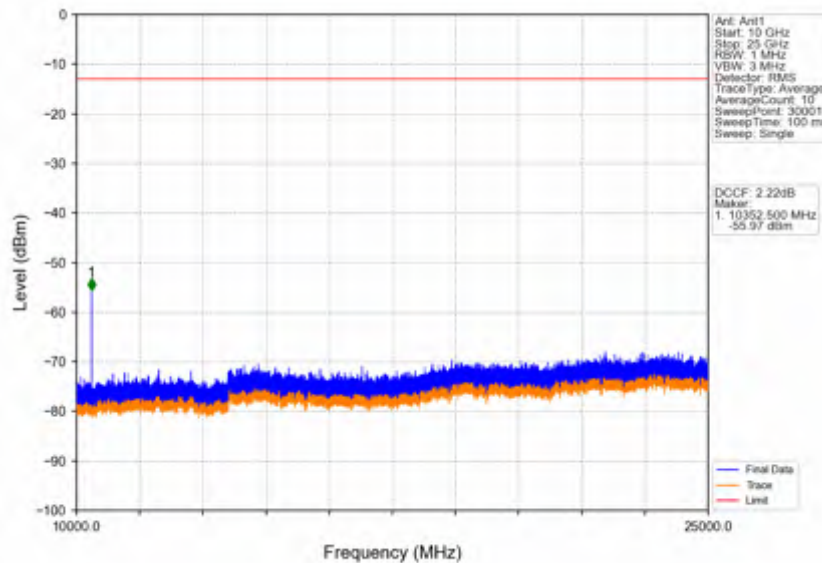
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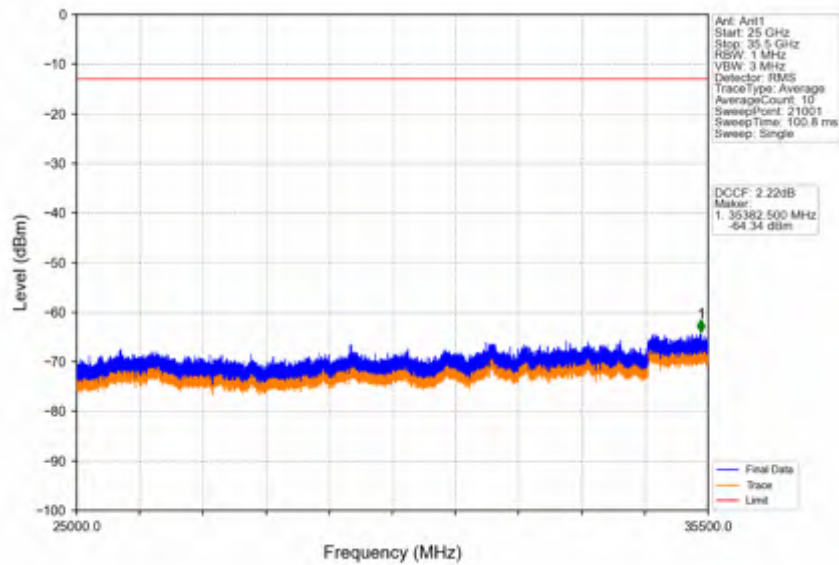


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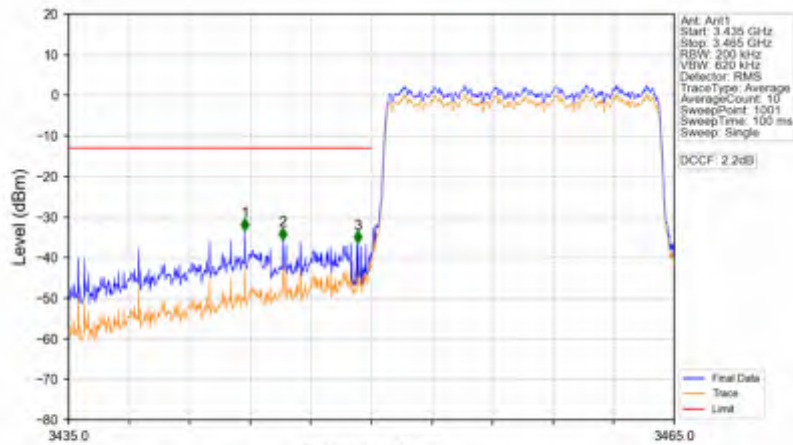
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Band42a_15MHz_256QAM_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_256QAM_LCH_3457.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	6.99	1	3443.730	-33.37	-13	Pass
3445	3449	0.5	3.98	2	3445.620	-35.64	-13	Pass
3449	3450	0.2	0	3	3449.340	-36.41	-13	Pass
3450	3465	0.2	0	/	/	/	/	/



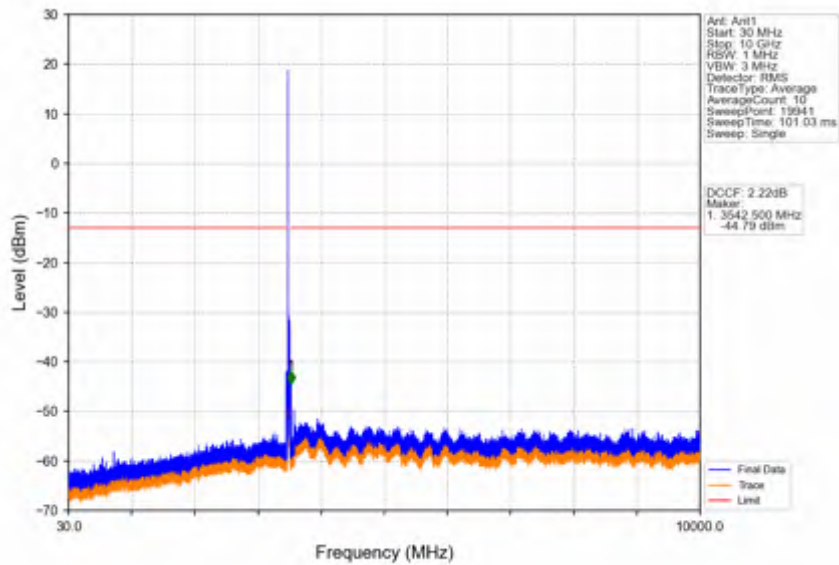
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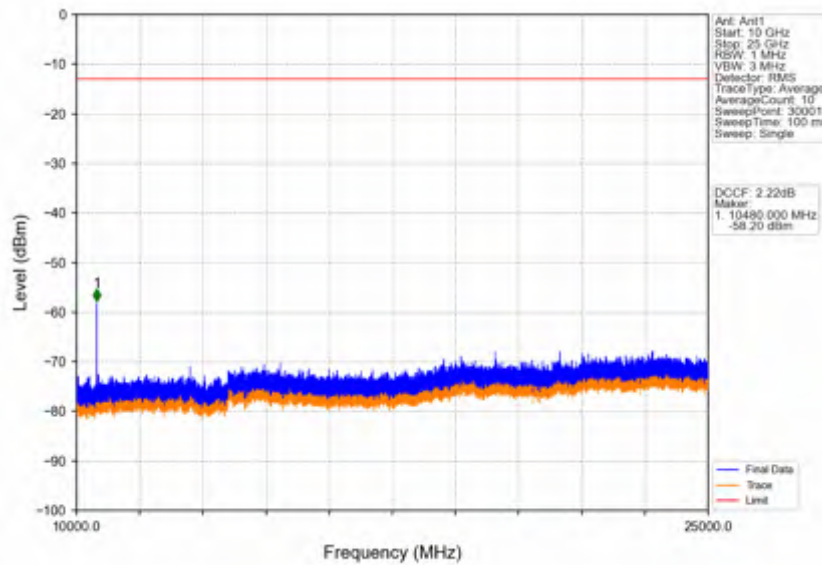
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Band42a_15MHz_256QAM_MCH_3500MHz_RB_1_0_NTNV



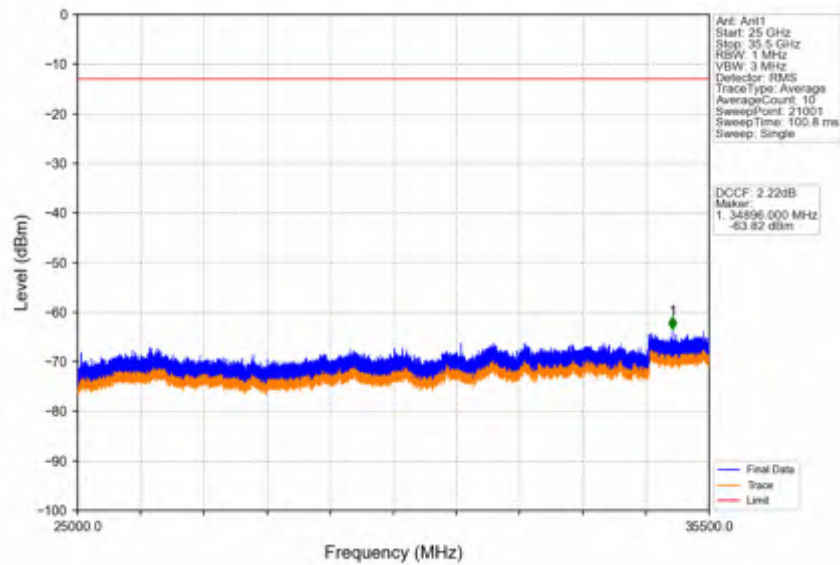
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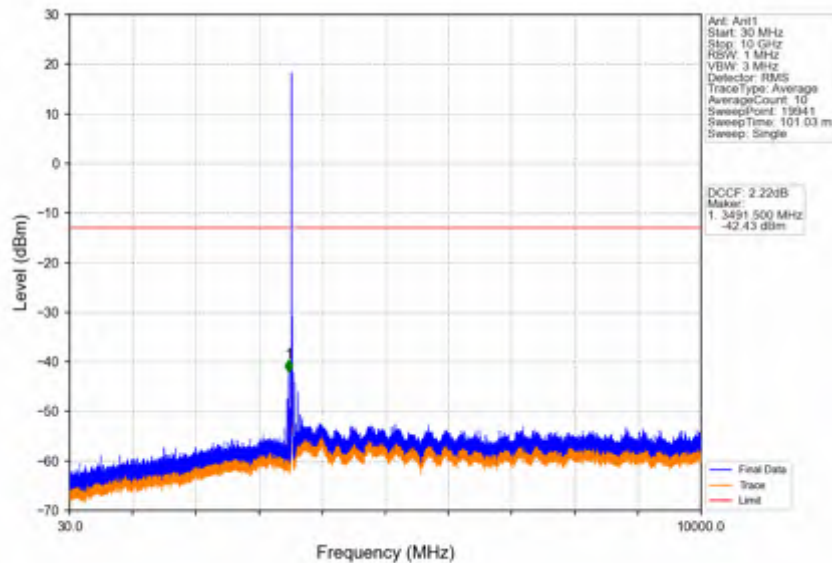
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Band42a_15MHz_256QAM_HCH_3542.5MHz_RB_1_0_NTNV



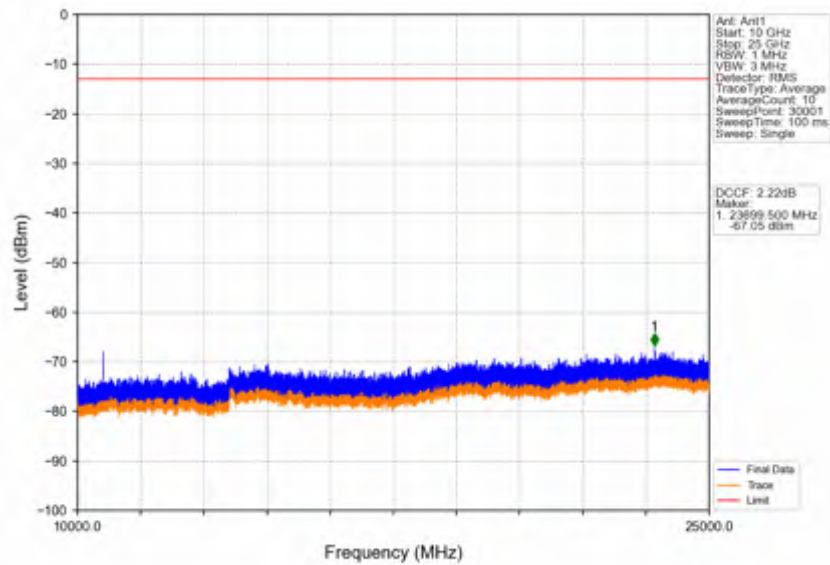
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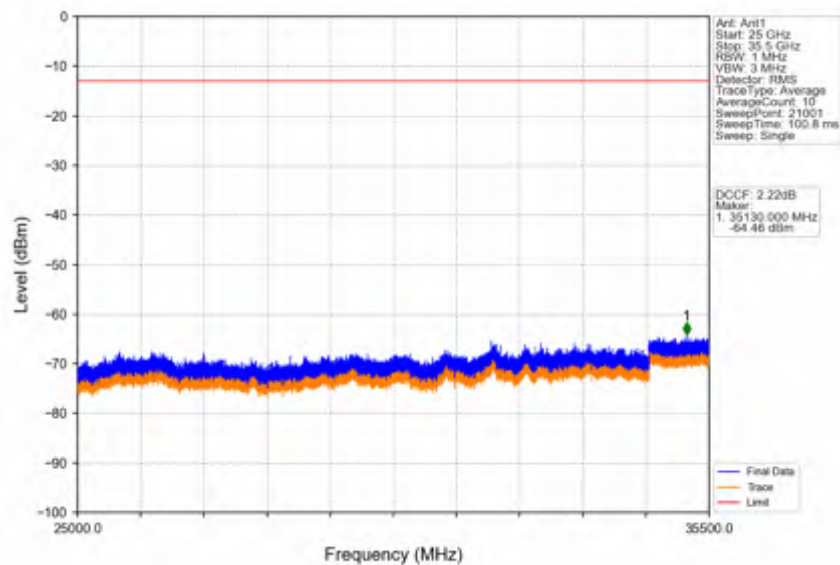
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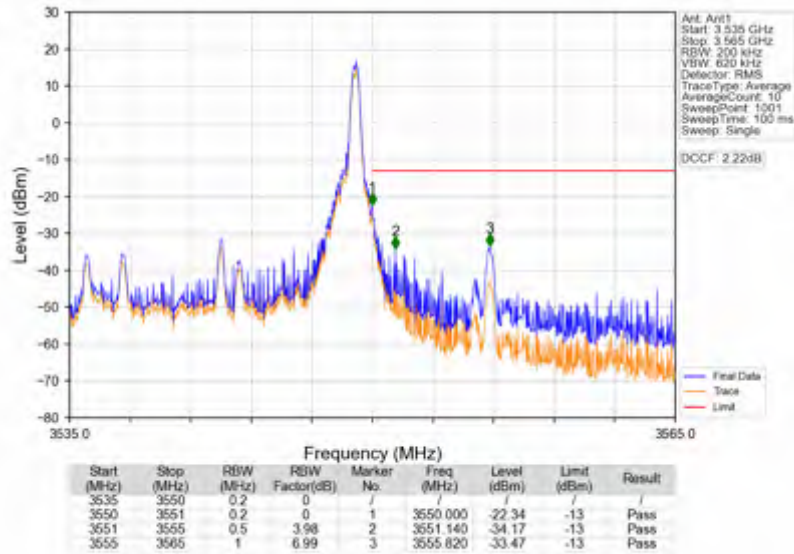
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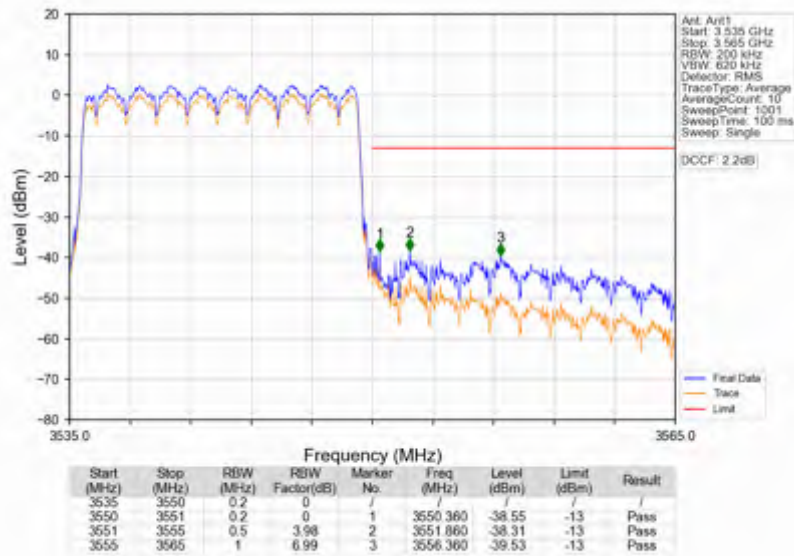
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11.4 B42a_20MHz

11.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
256QAM	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

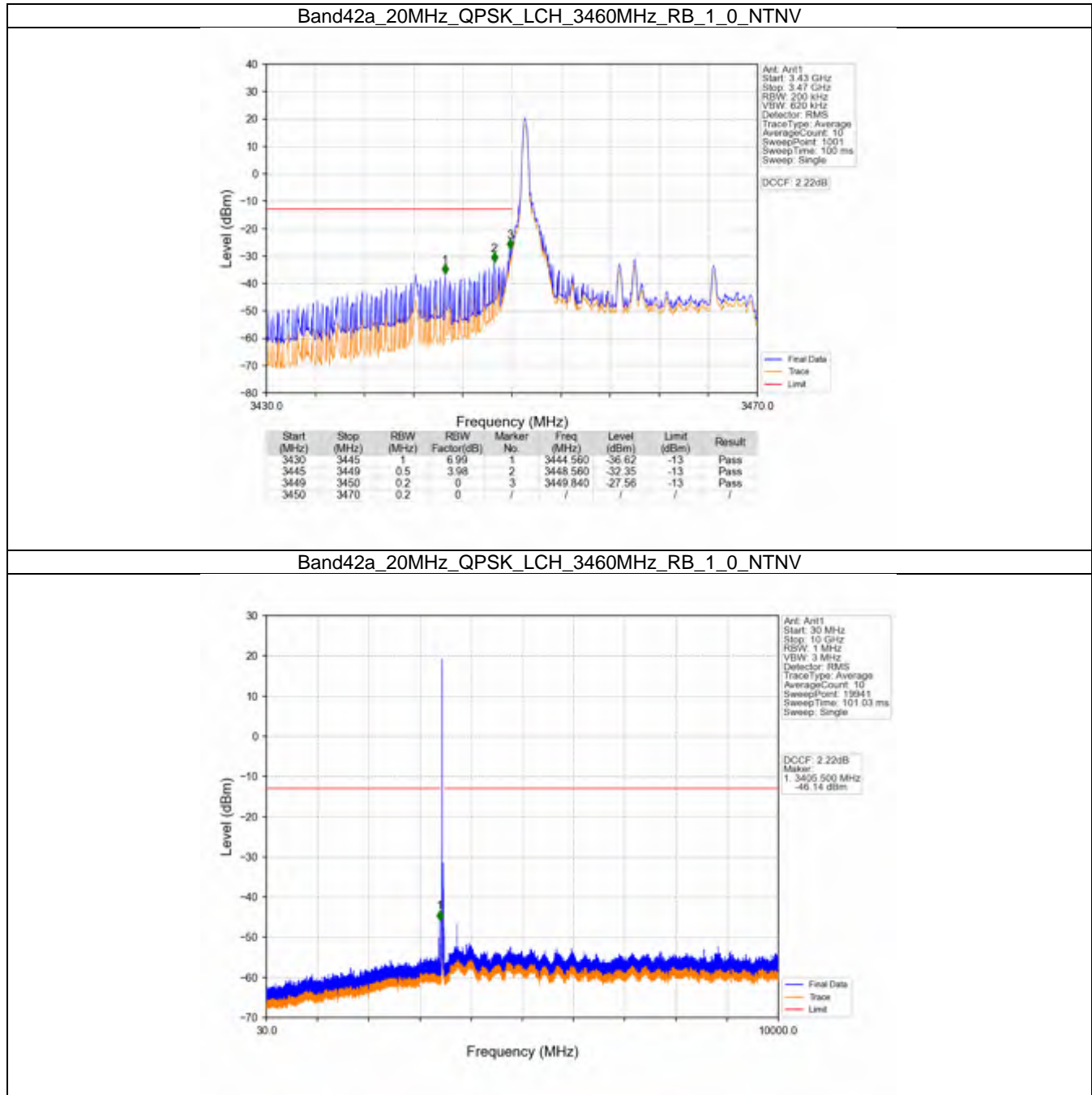


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11.4.2 Test Graph

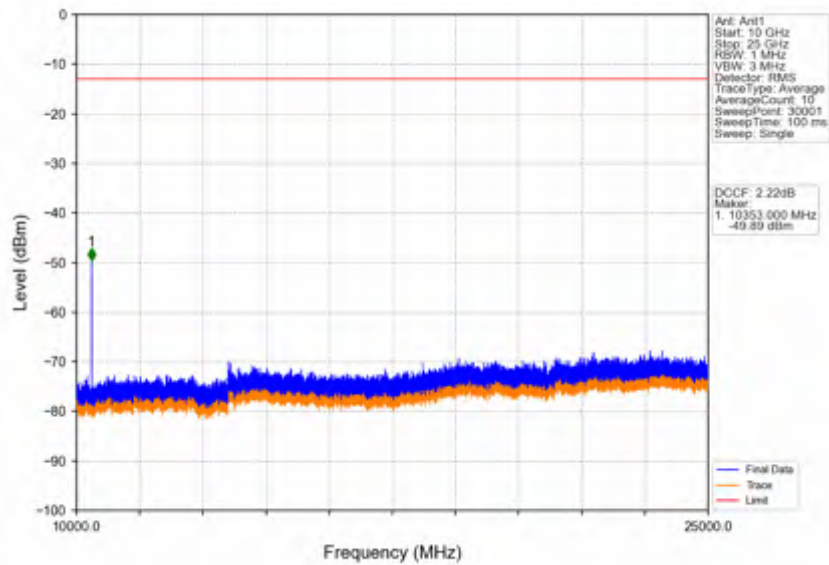


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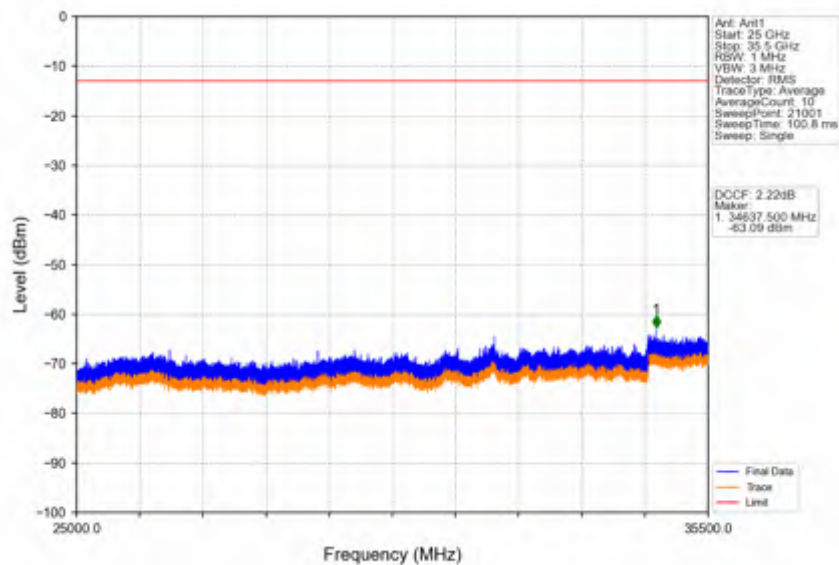
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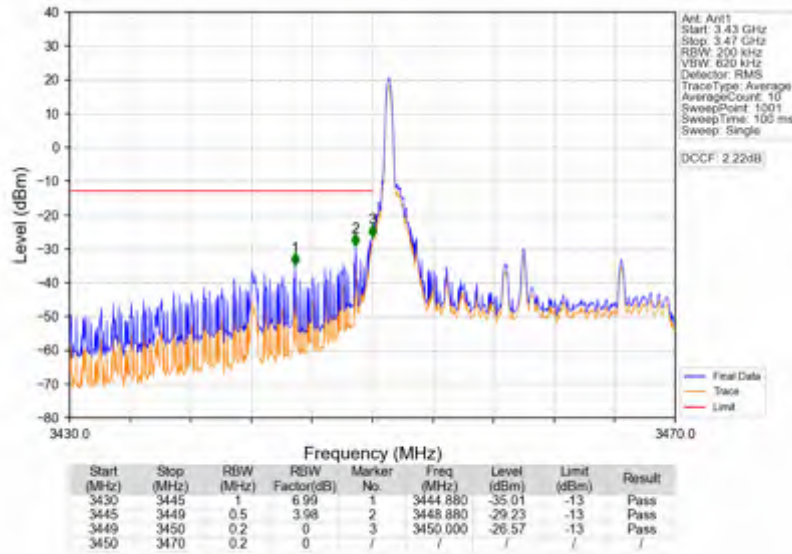
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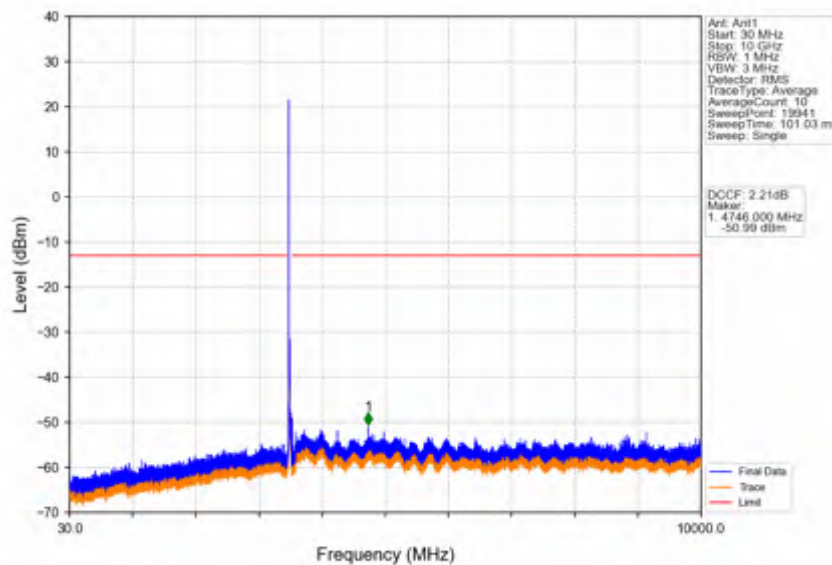
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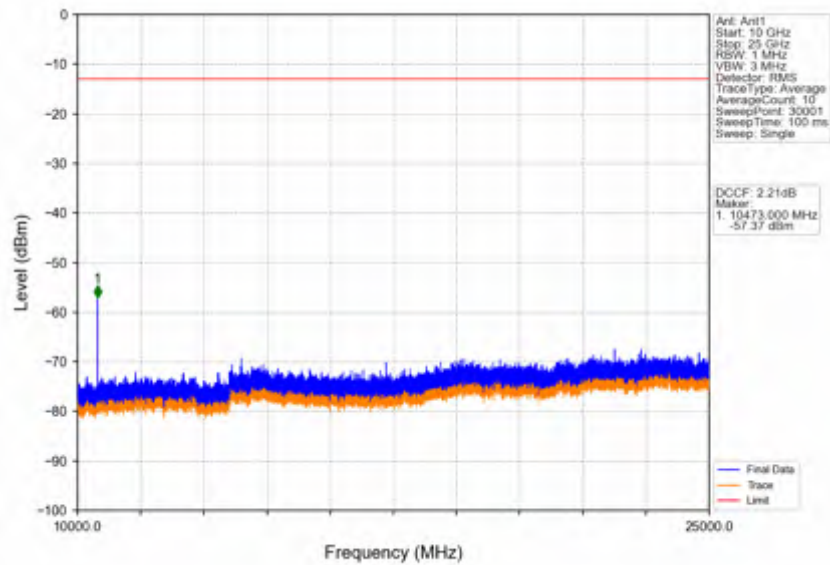


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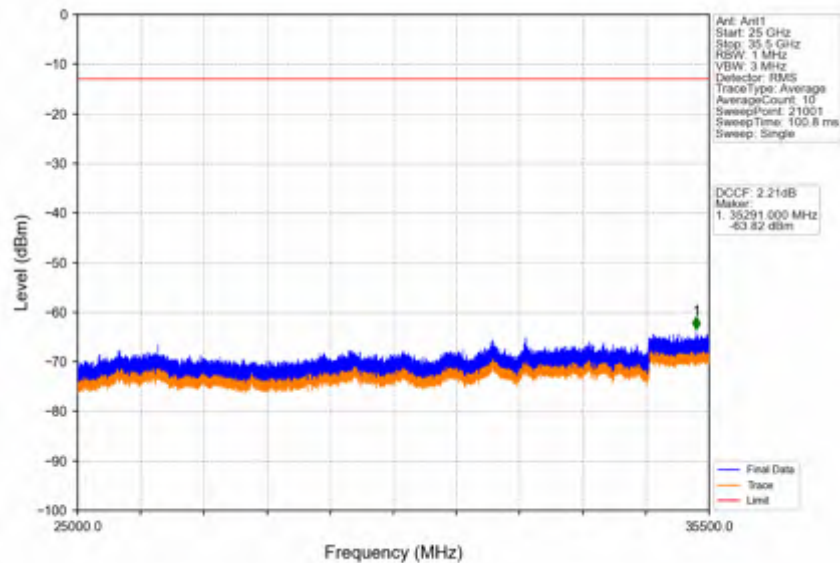
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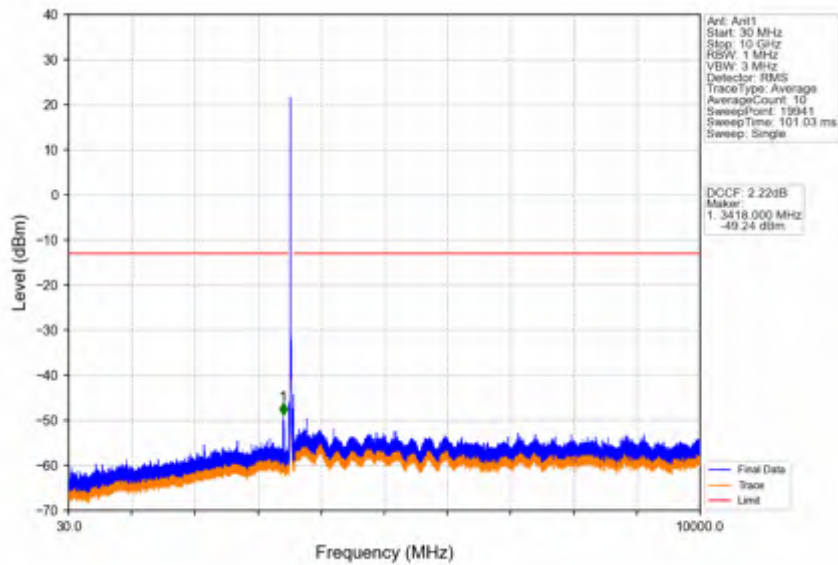
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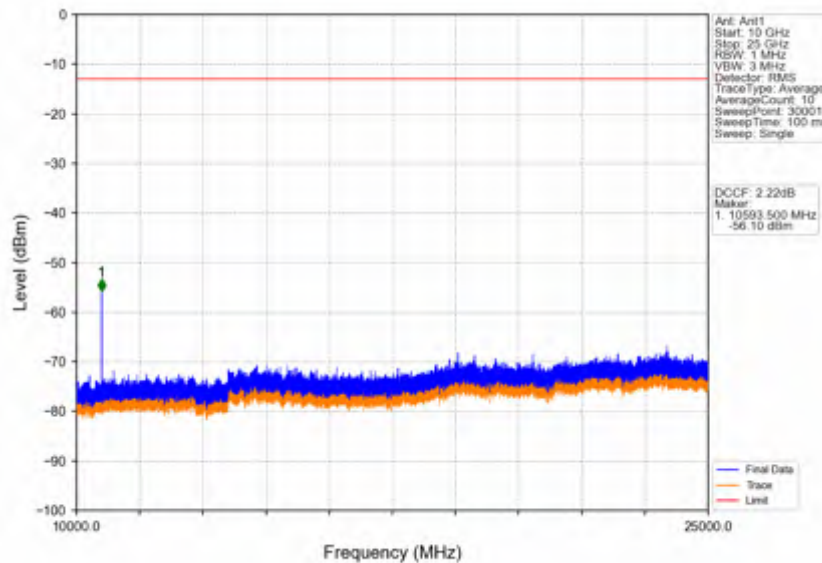
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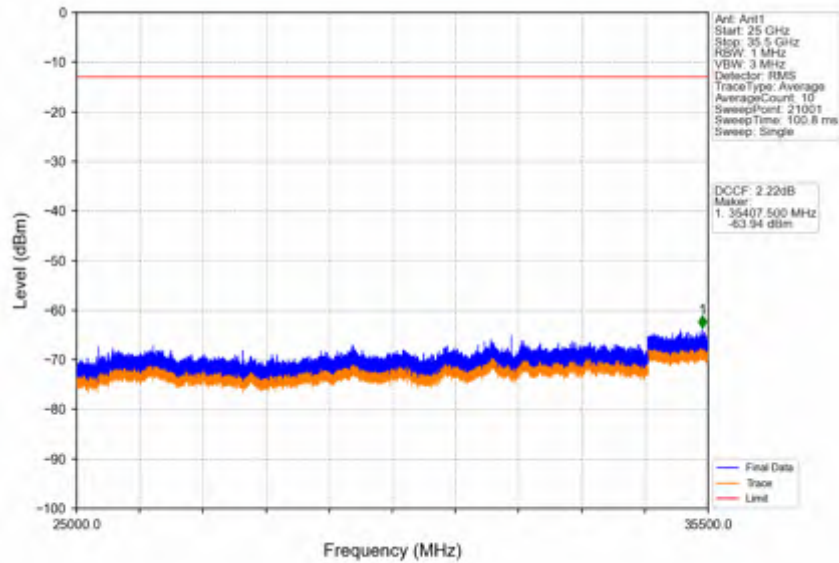


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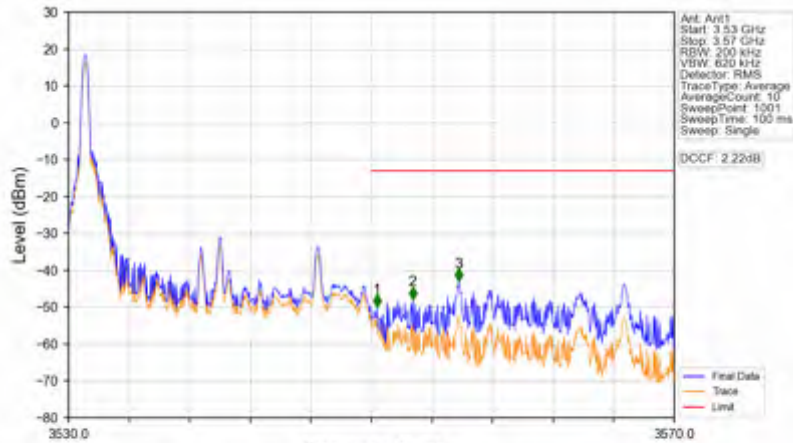
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Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_99_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	0	1	3550.360	-49.95	-13	Pass
3550	3551	0.2	0	2	3552.720	-47.90	-13	Pass
3551	3555	0.5	3.98	3	3555.760	-42.94	-13	Pass



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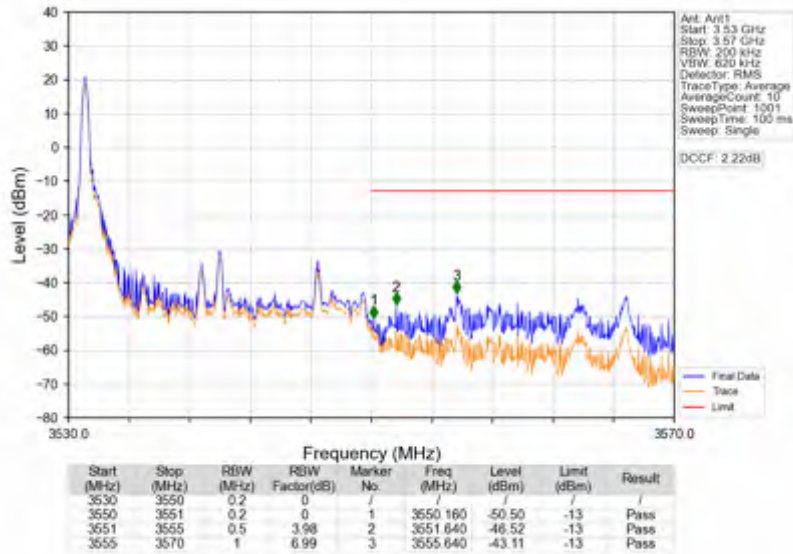
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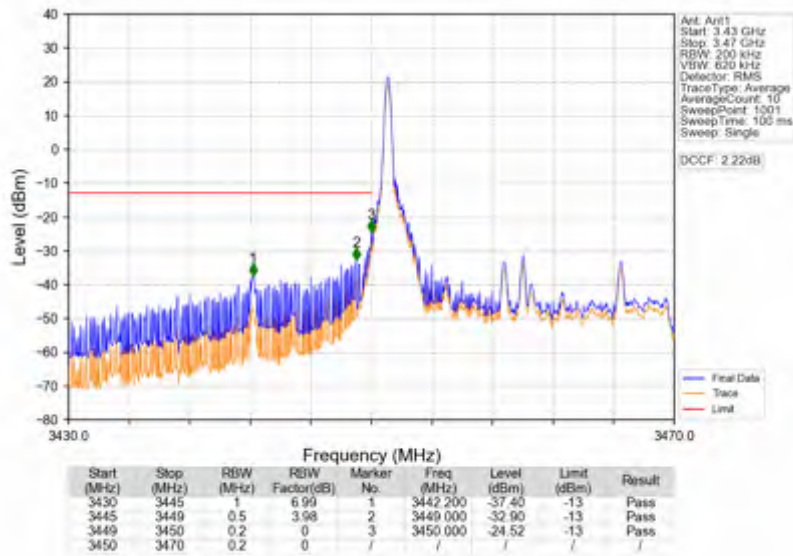
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Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_LCH_3460MHz_RB_1_0_NTNV

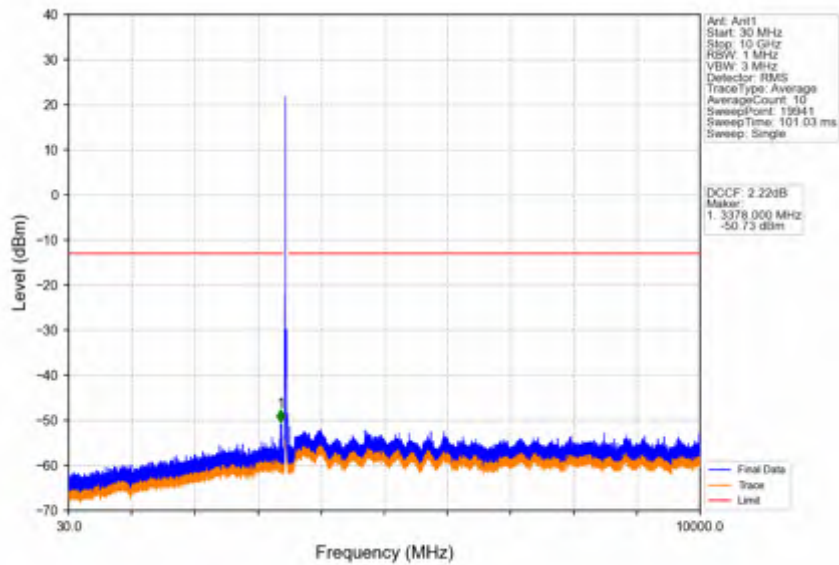


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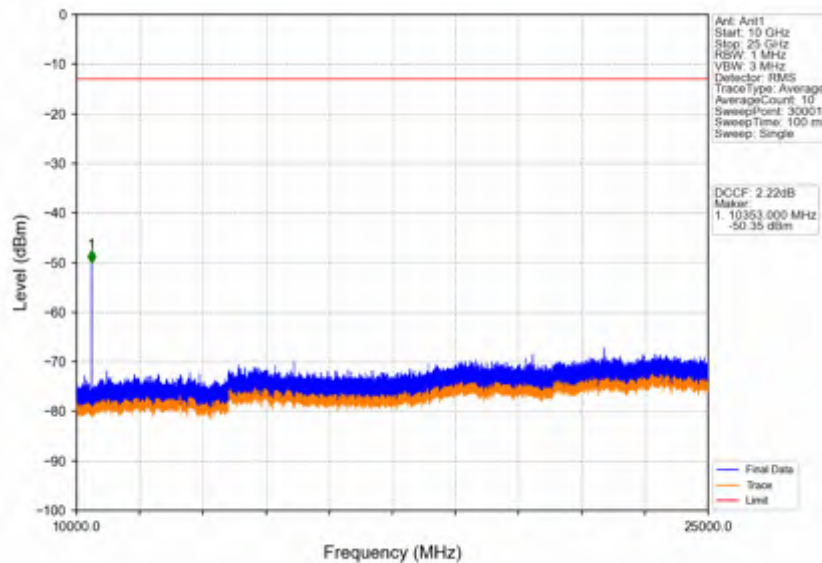
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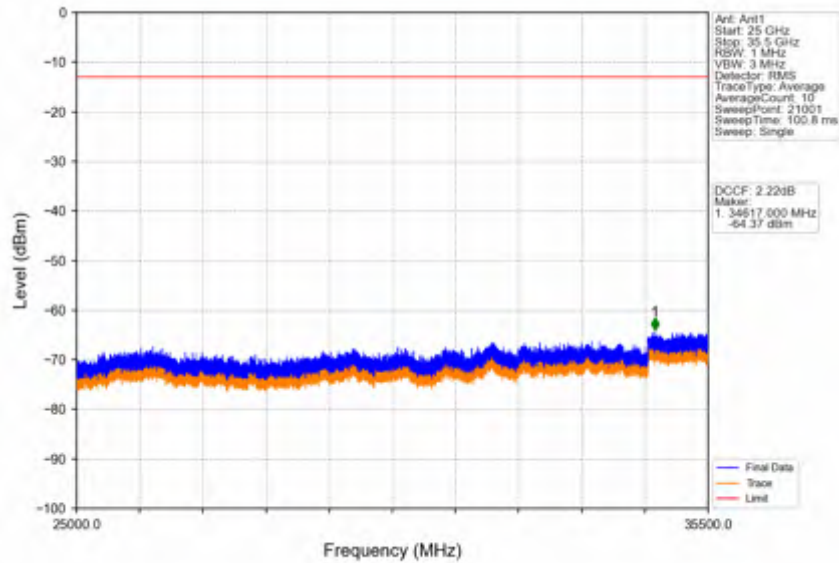
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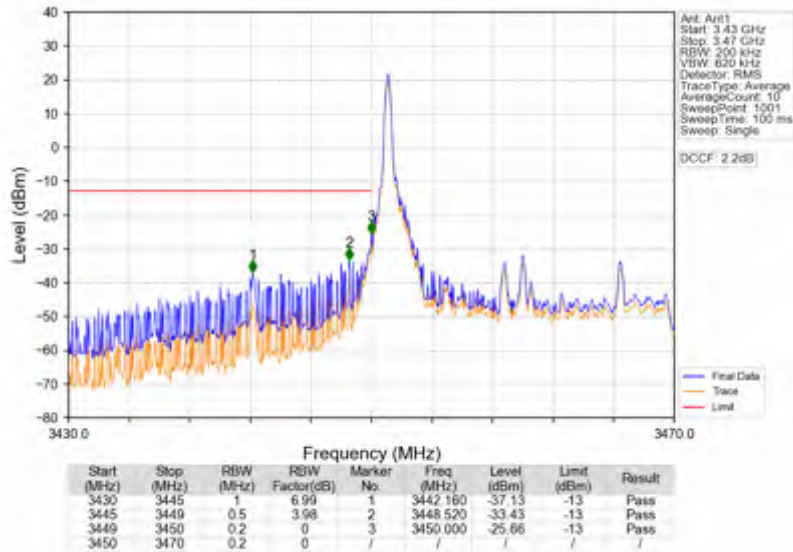
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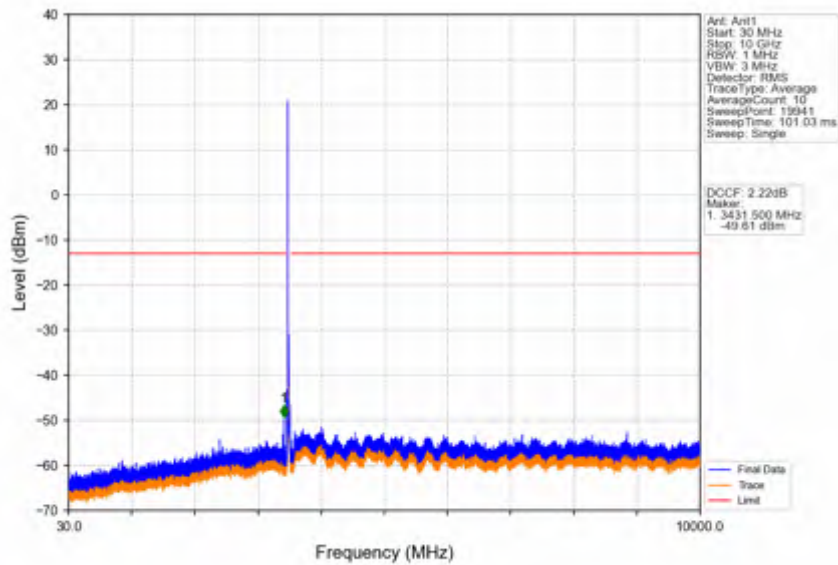


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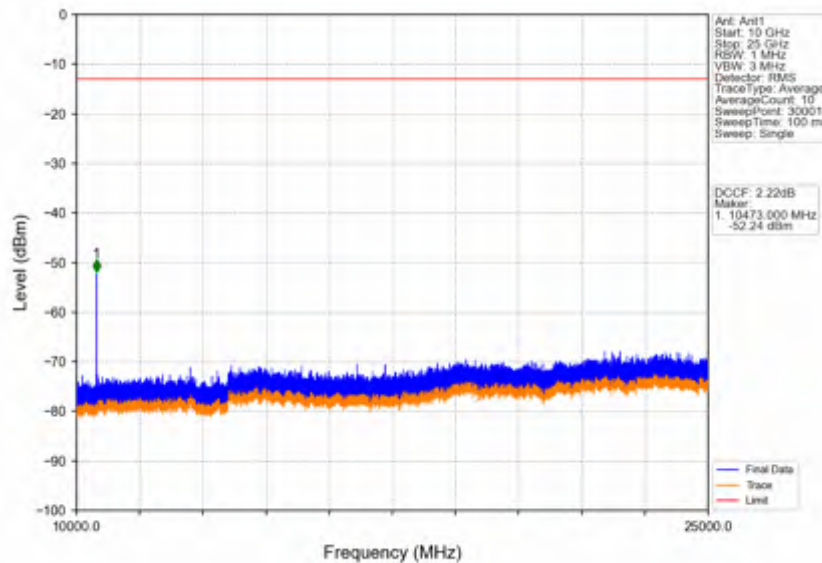
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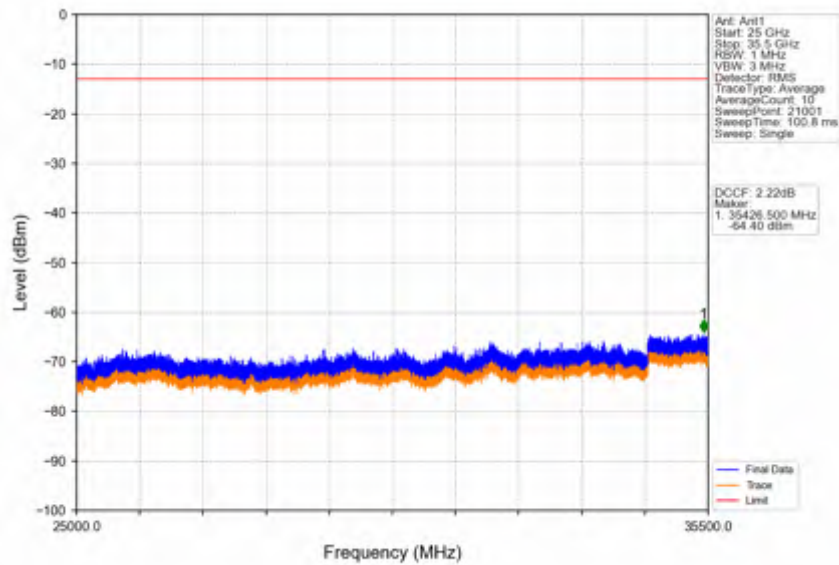
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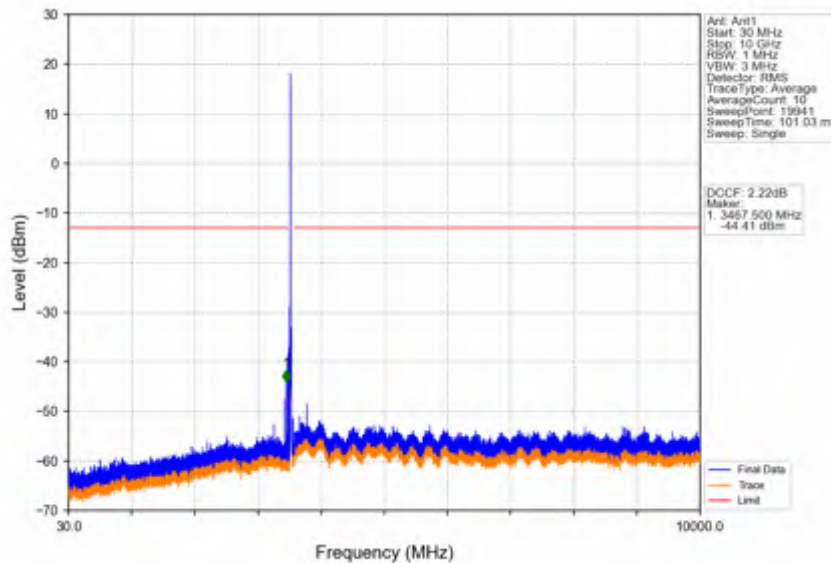
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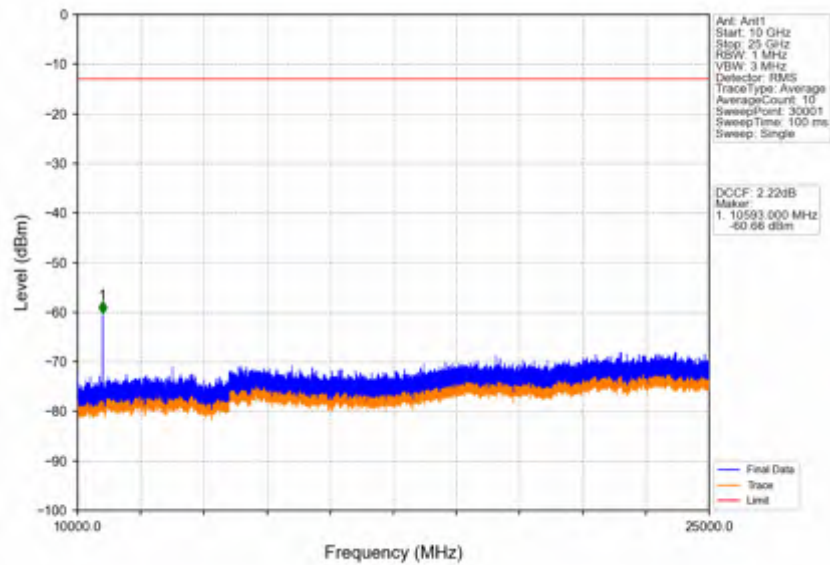
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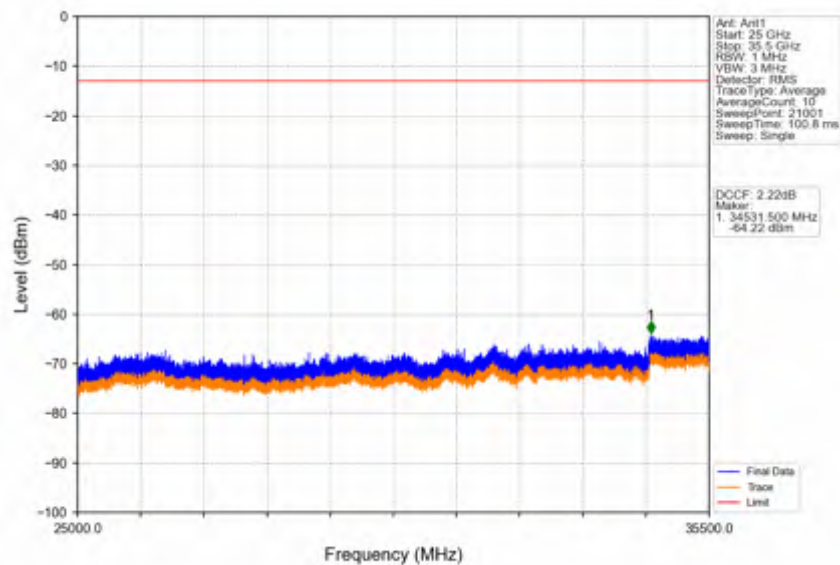
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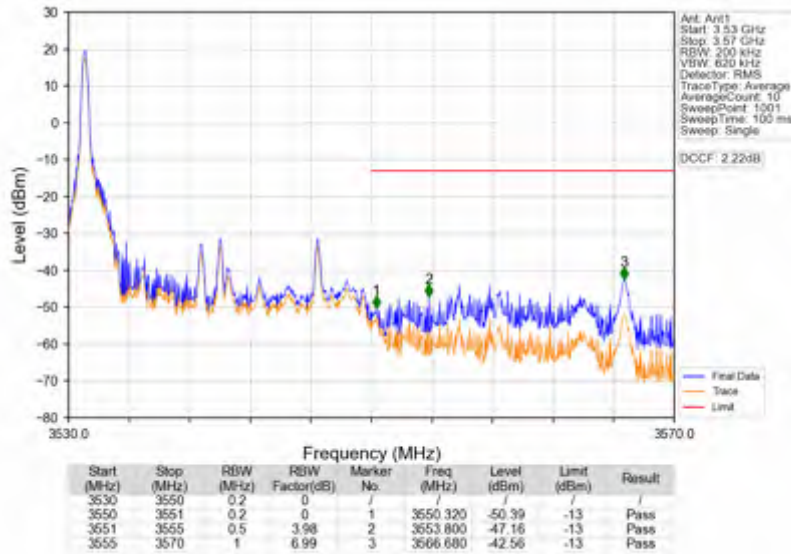


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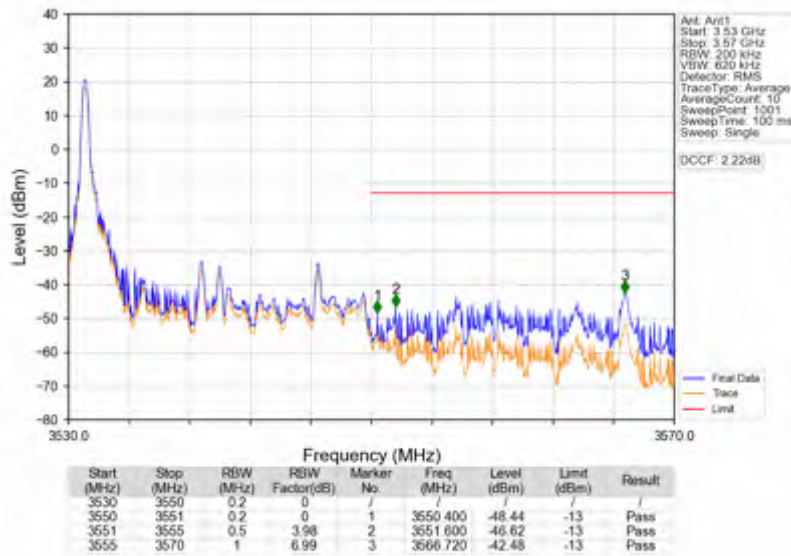
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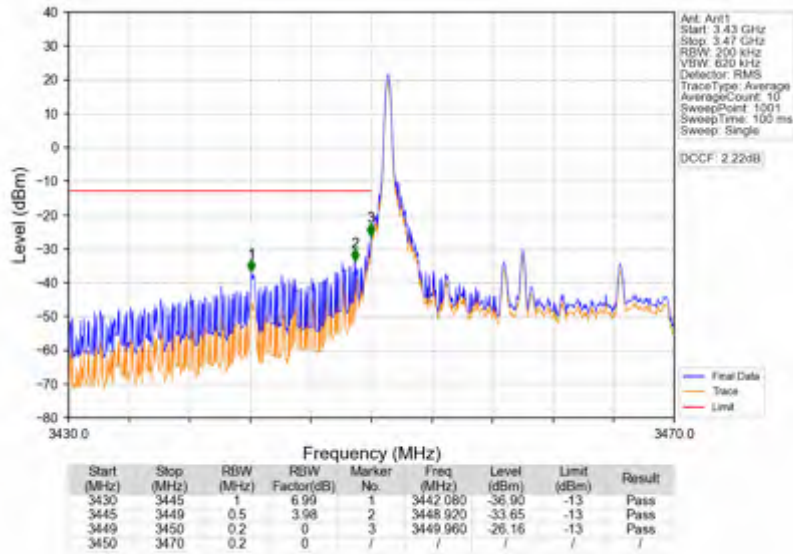


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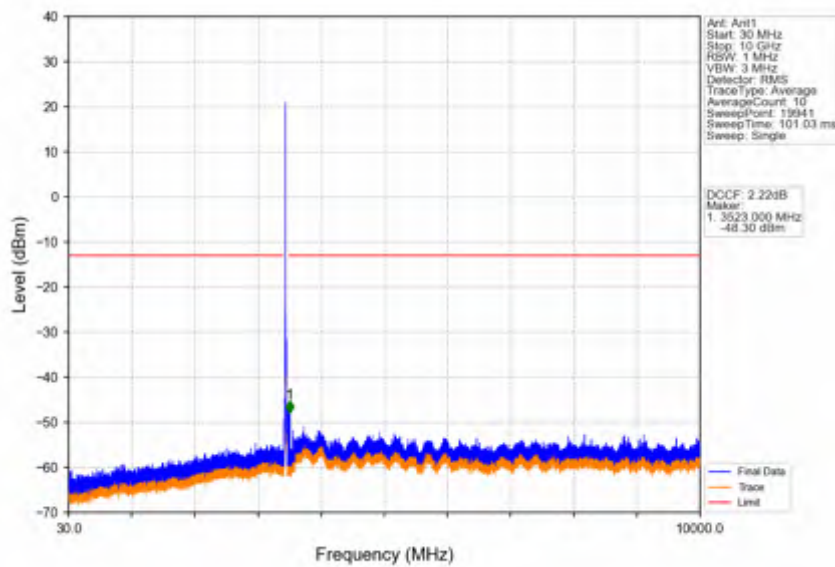
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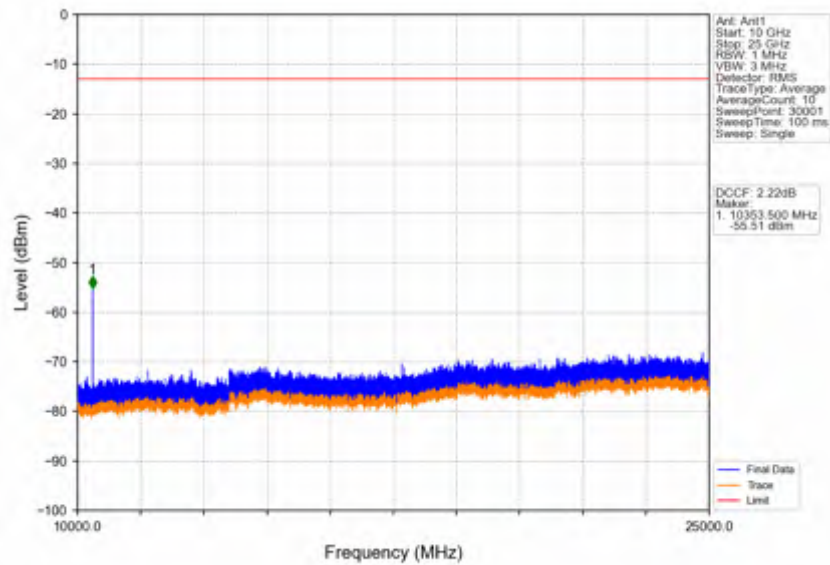
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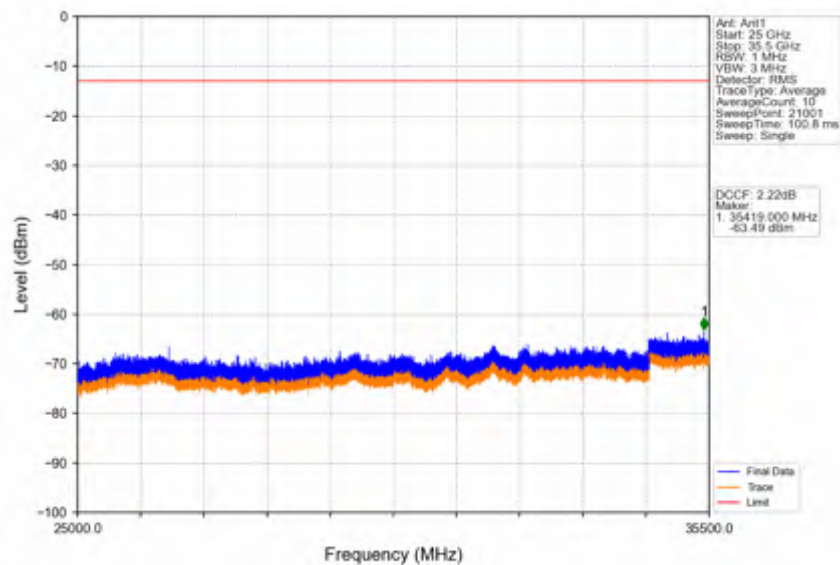
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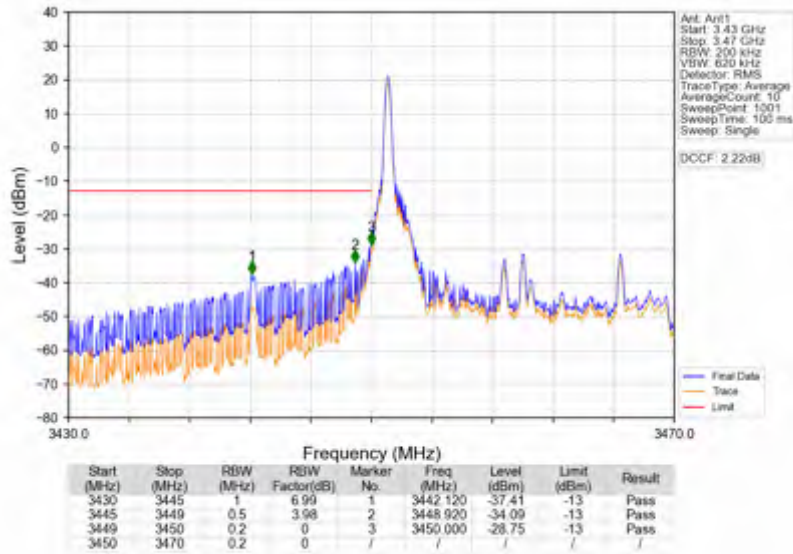
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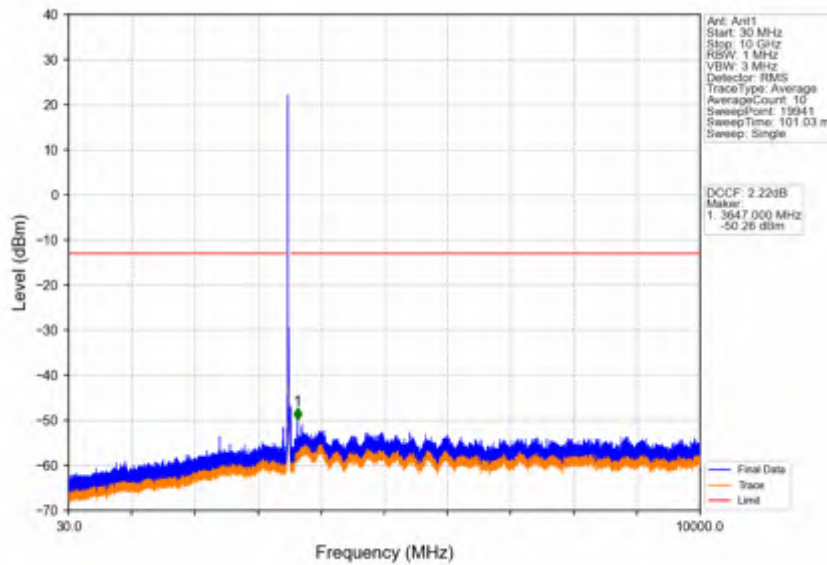
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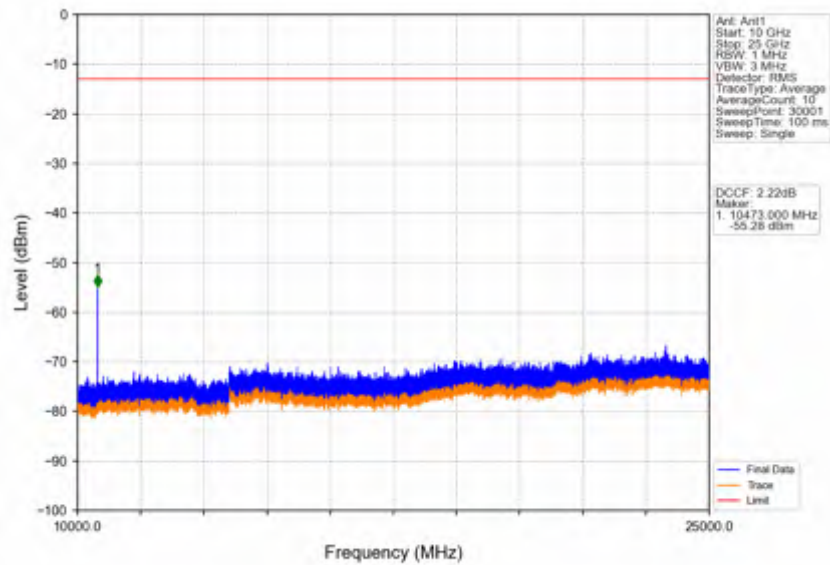
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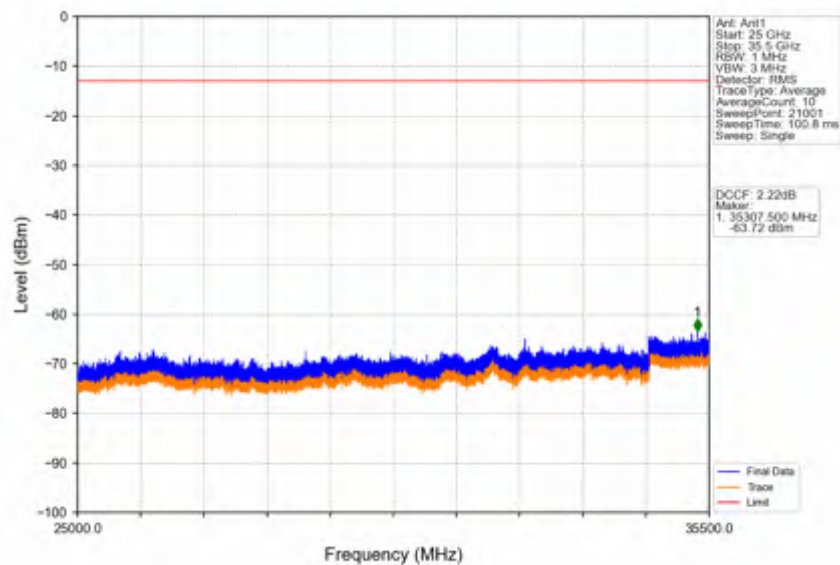
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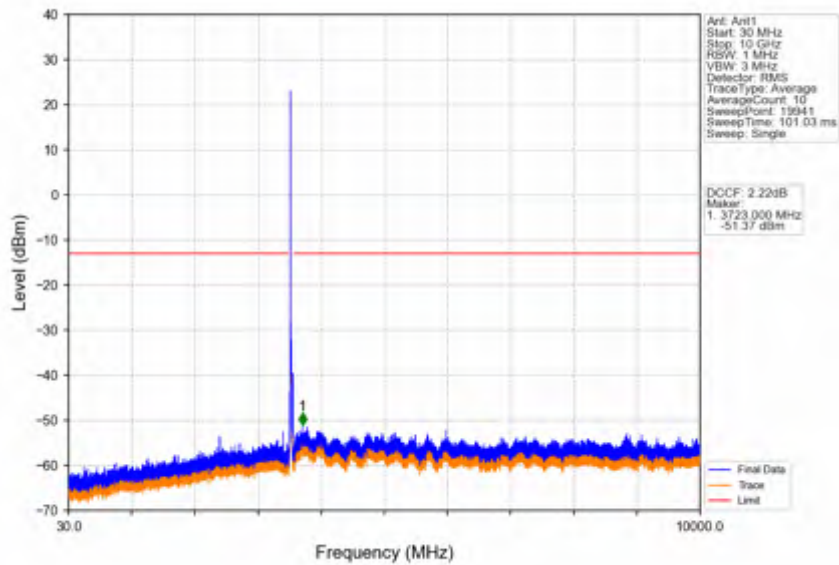
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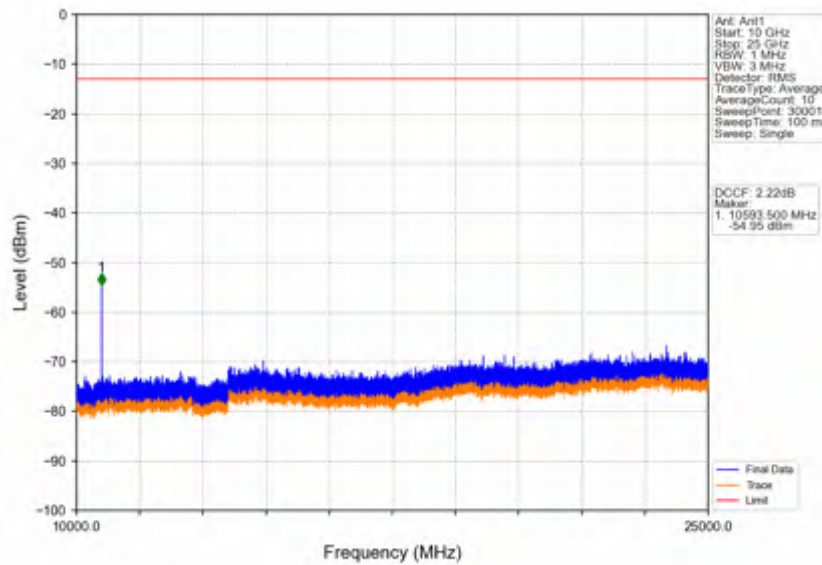
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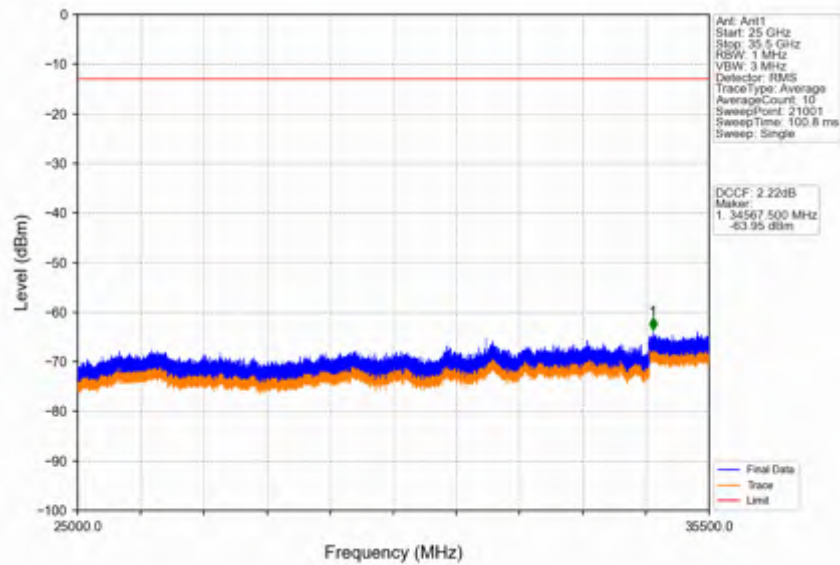
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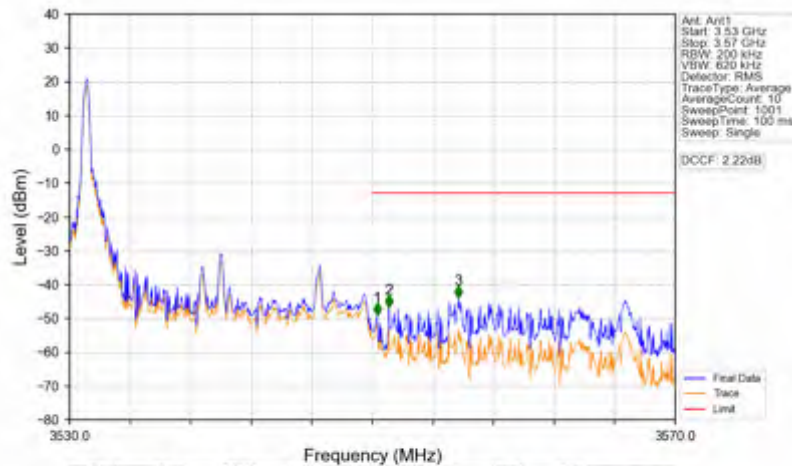
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Band42a_20MHz_64QAM_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_64QAM_HCH_3540MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	0	1	3550.320	-49.13	-13	Pass
3550	3551	0.2	0	2	3551.080	-46.85	-13	Pass
3551	3555	0.5	3.98	3	3555.680	-44.00	-13	Pass

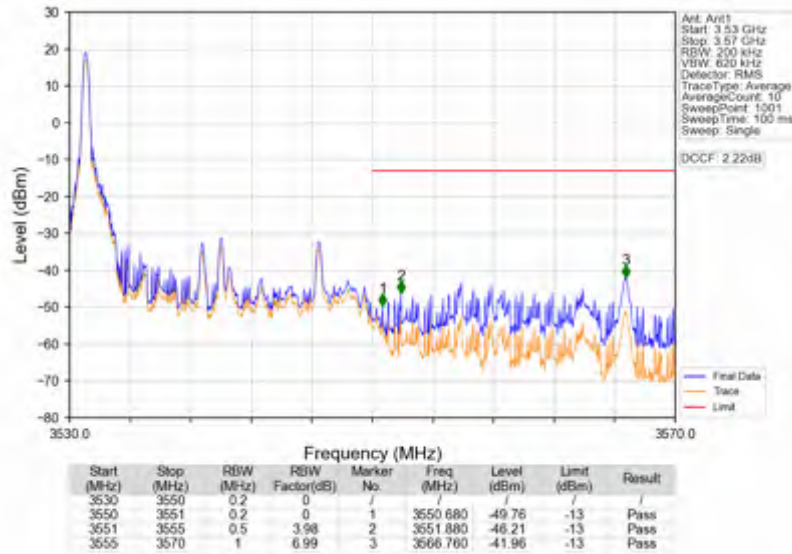


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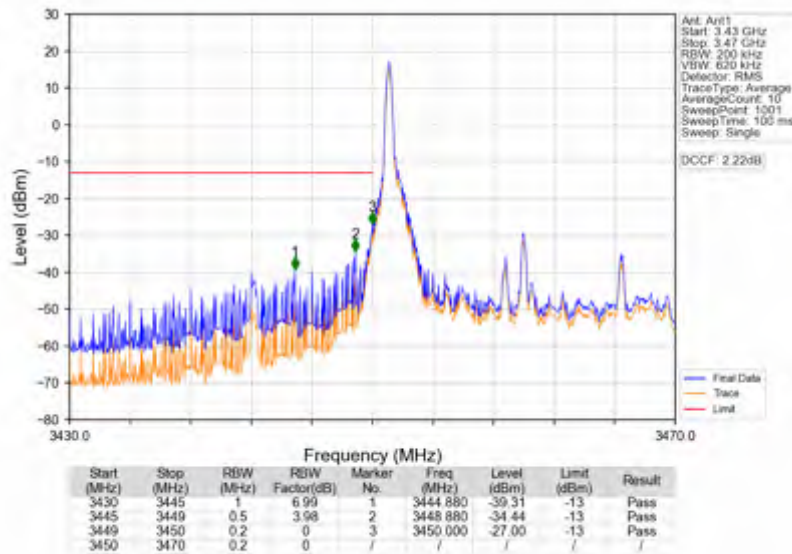
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Band42a_20MHz_256QAM_LCH_3460MHz_RB_1_0_NTNV



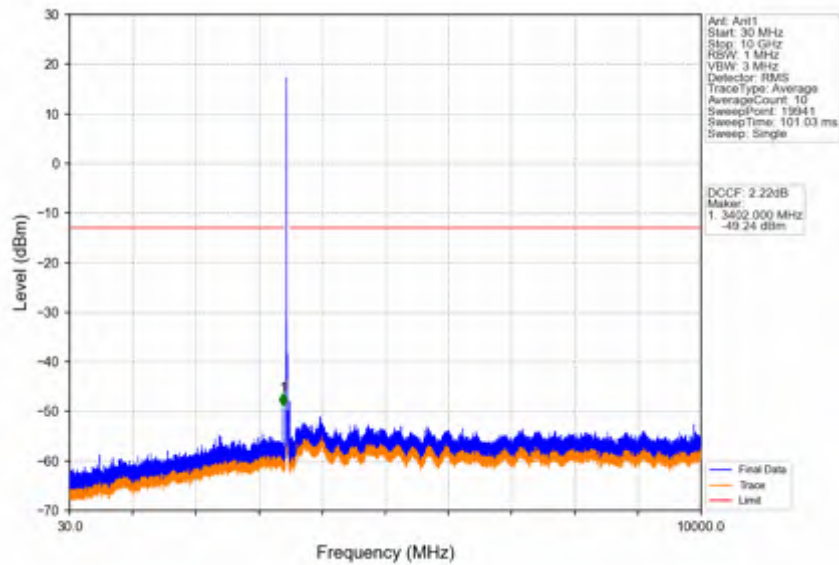
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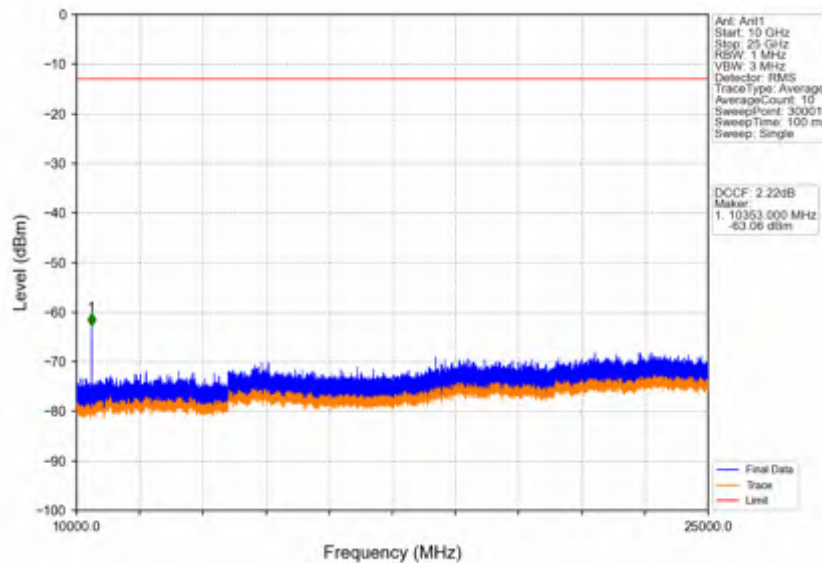
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Band42a_20MHz_256QAM_LCH_3460MHz_RB_1_0_NTNV



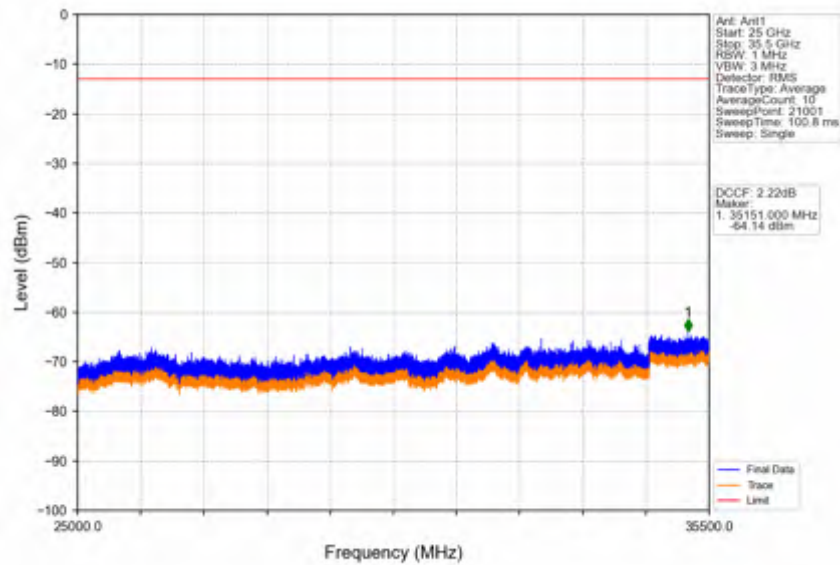
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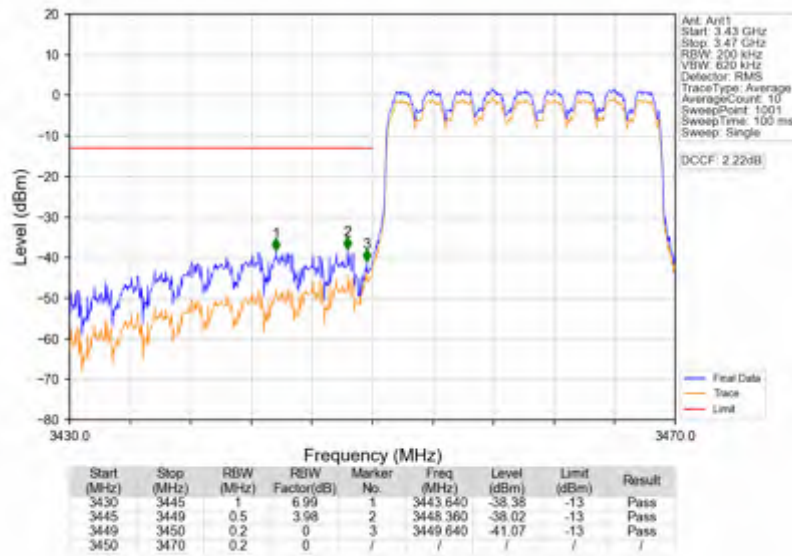
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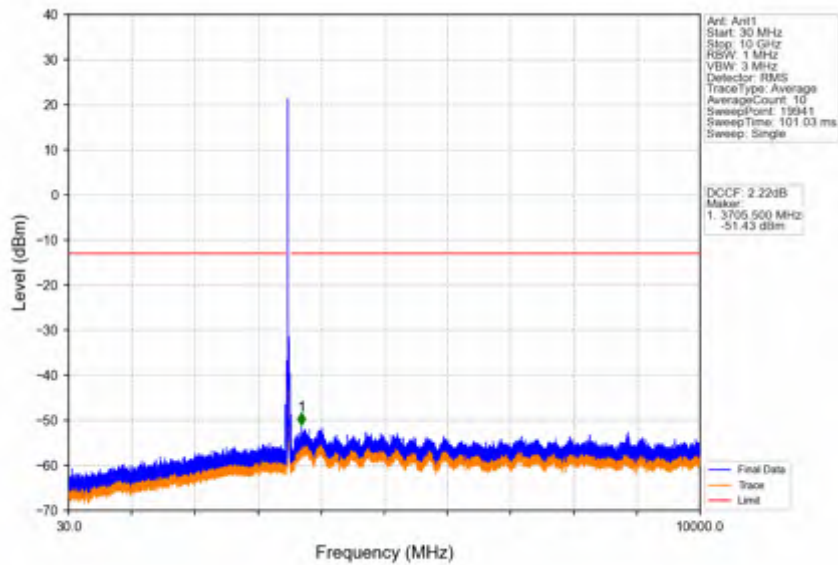


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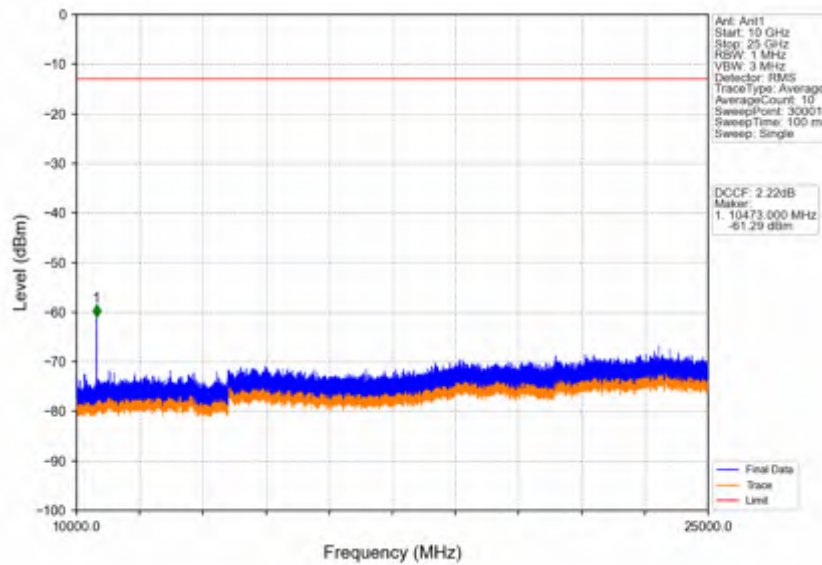
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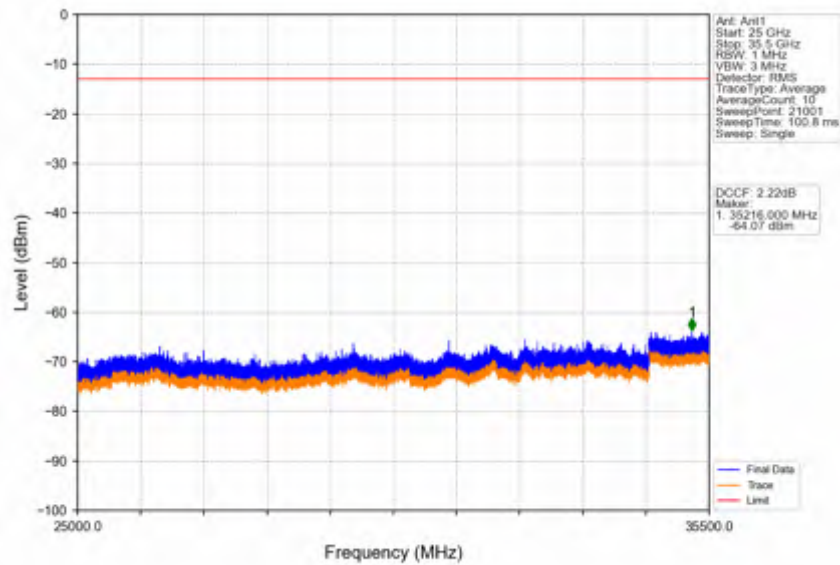
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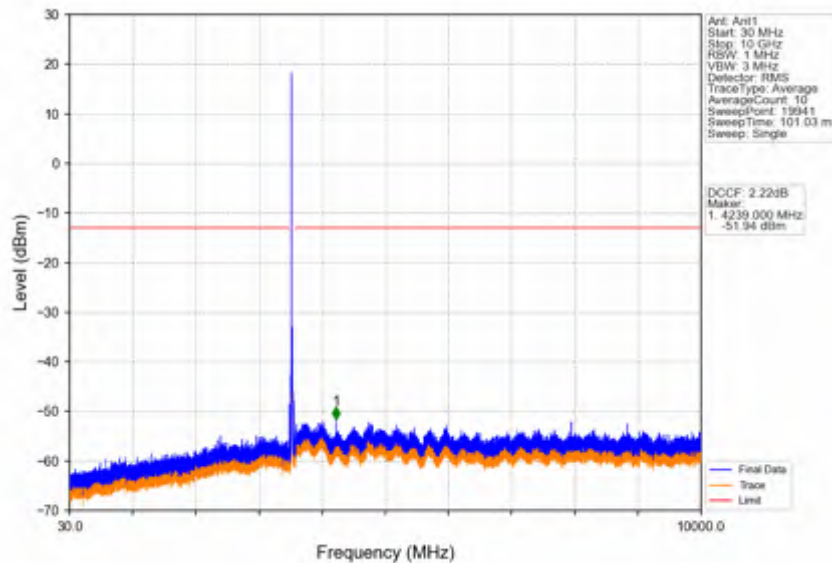
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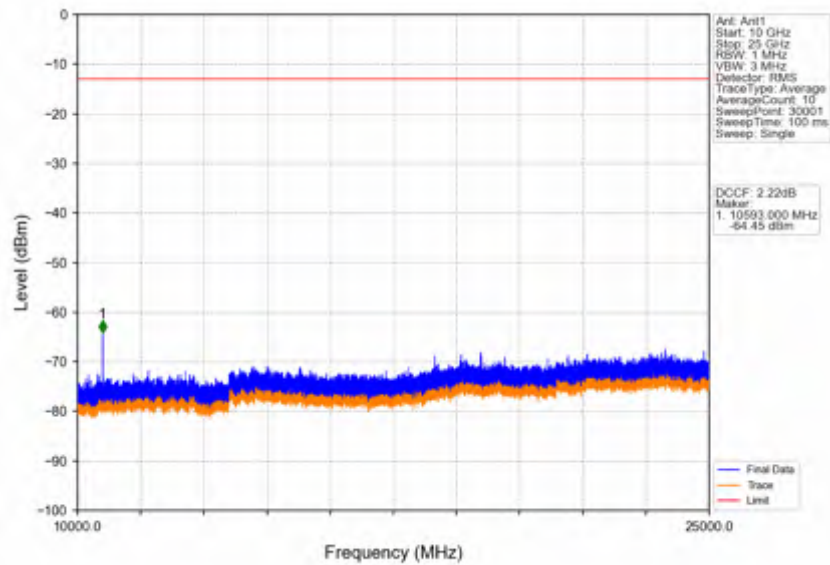


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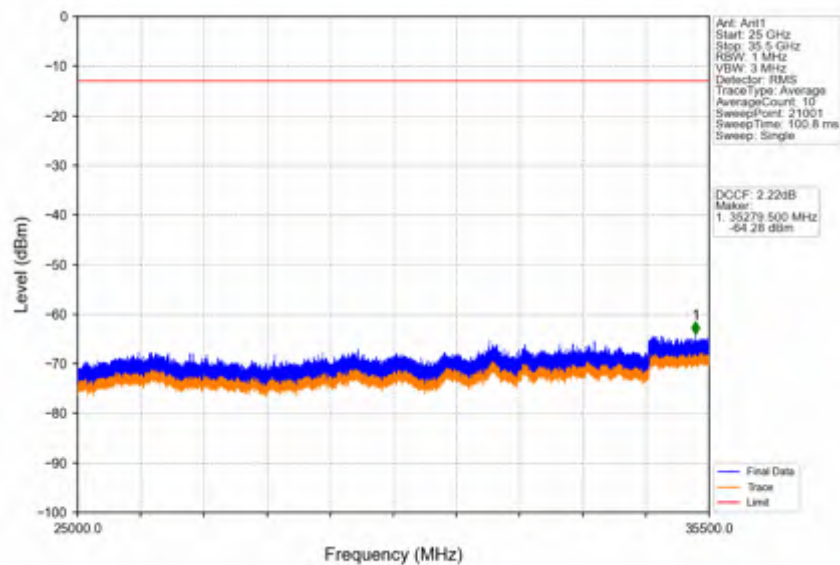
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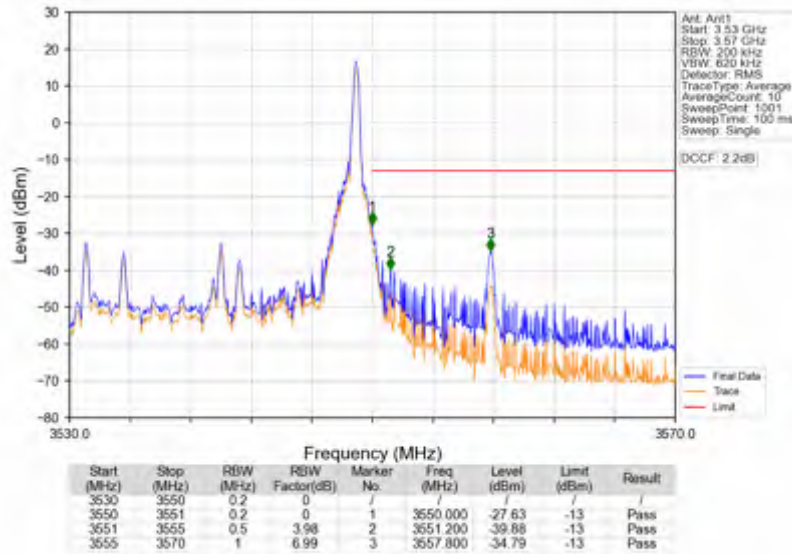
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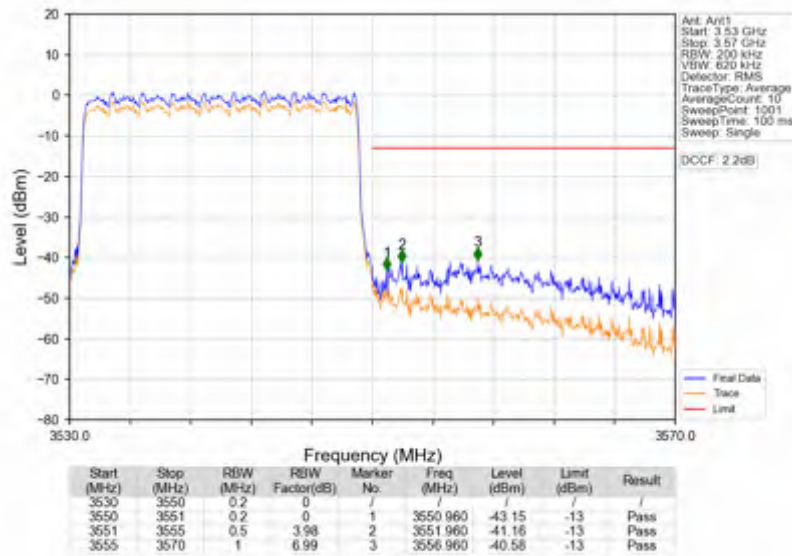
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12. Spurious Emission

12.1 B42c_5MHz

12.1.1 Test Result

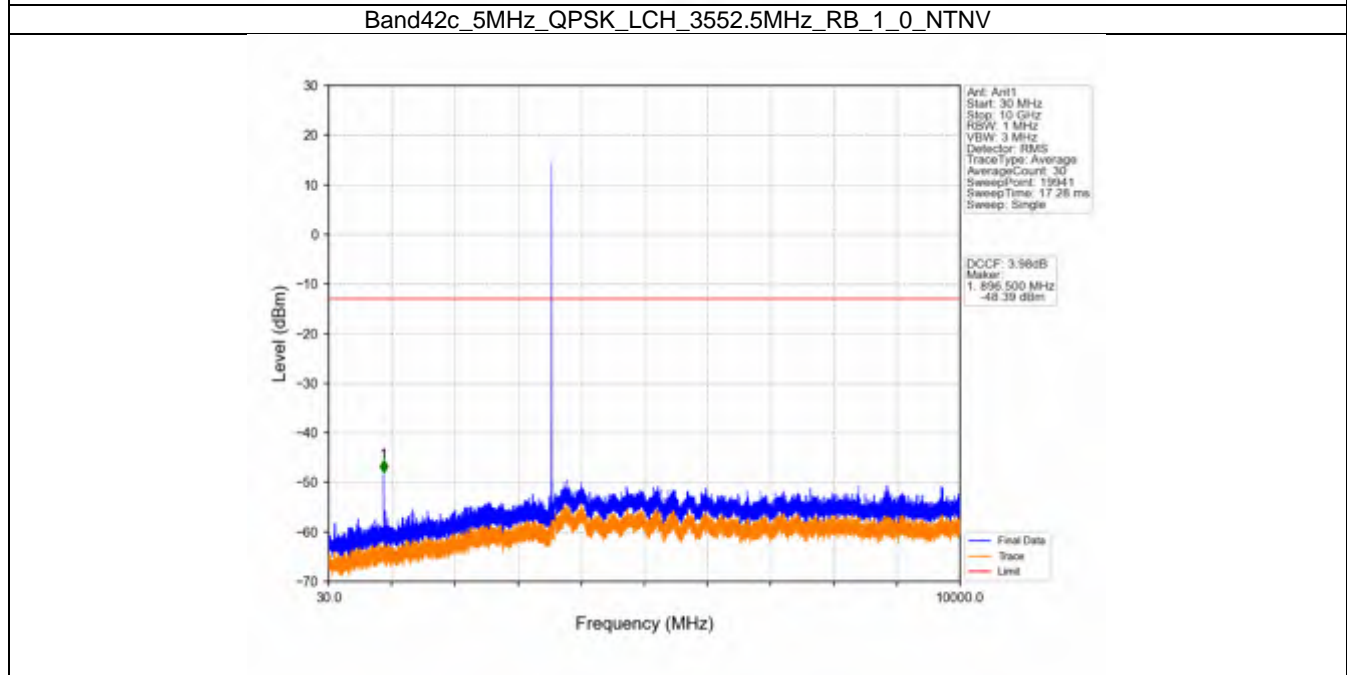
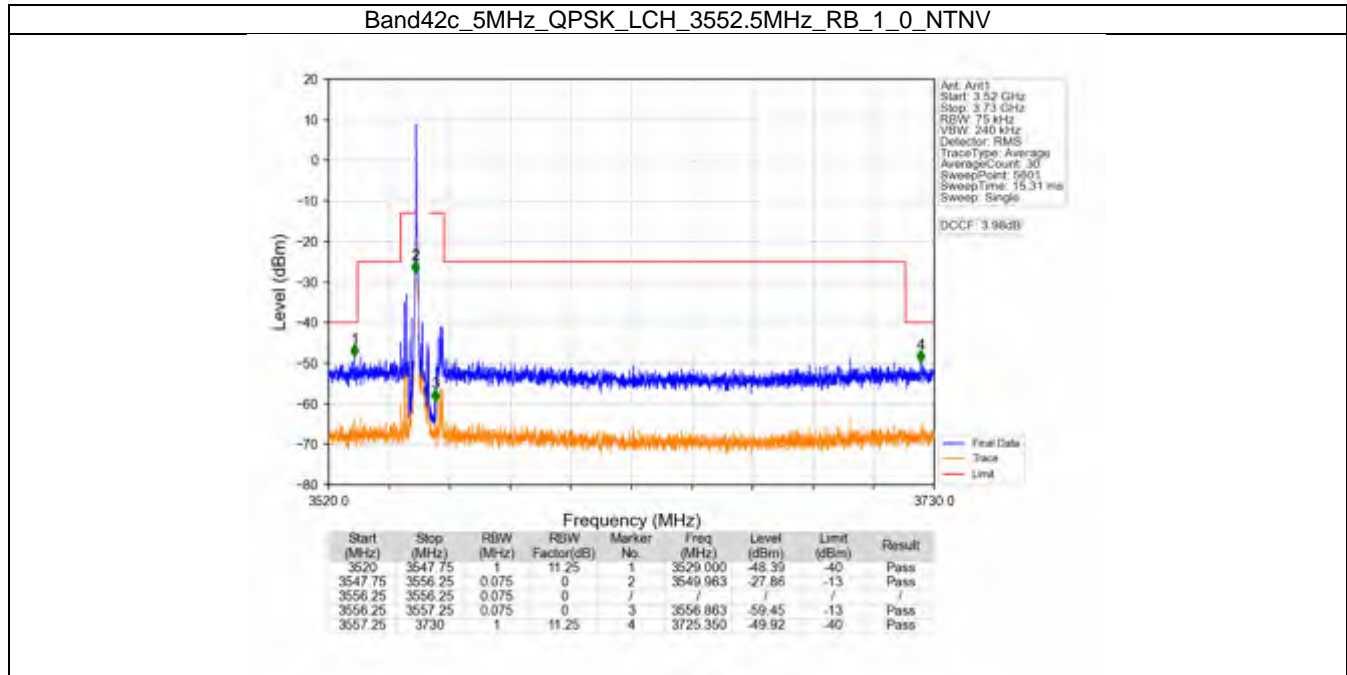
Band: 42c / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	3597.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	3597.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	3597.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
256QAM	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	3597.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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12.1.2 Test Graph

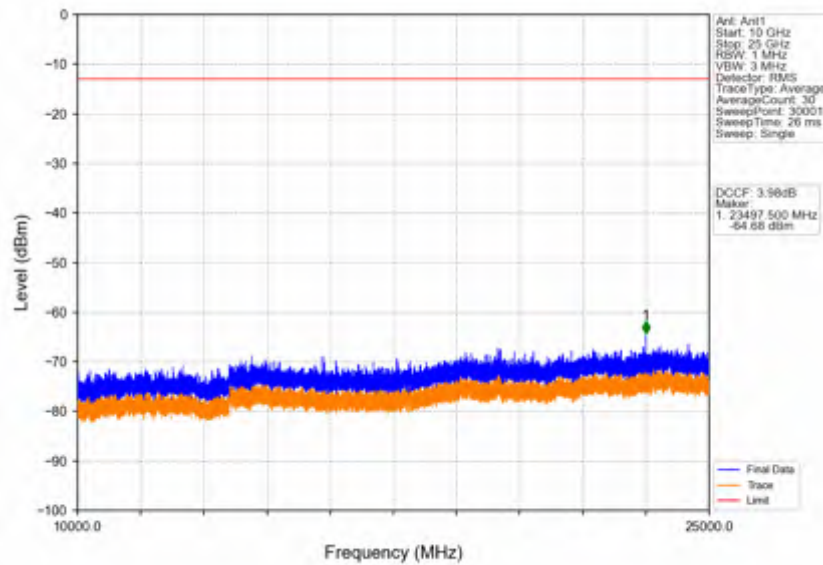


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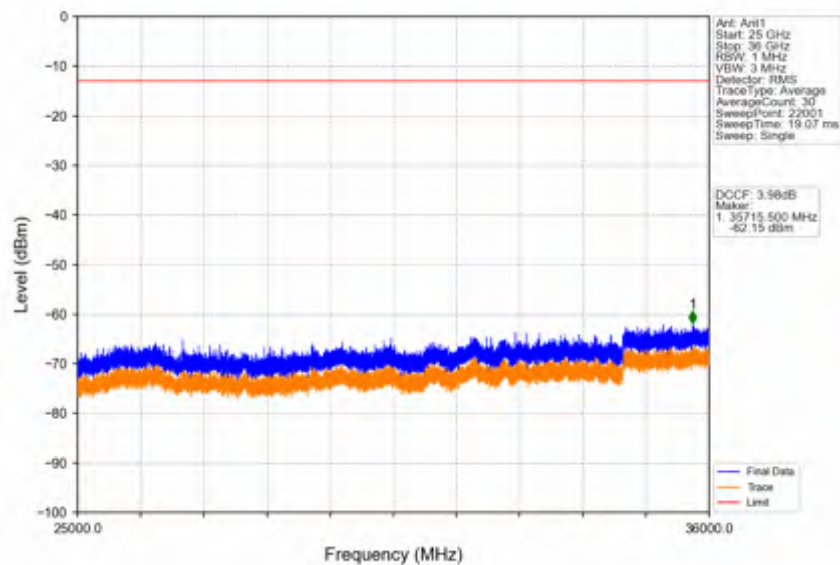
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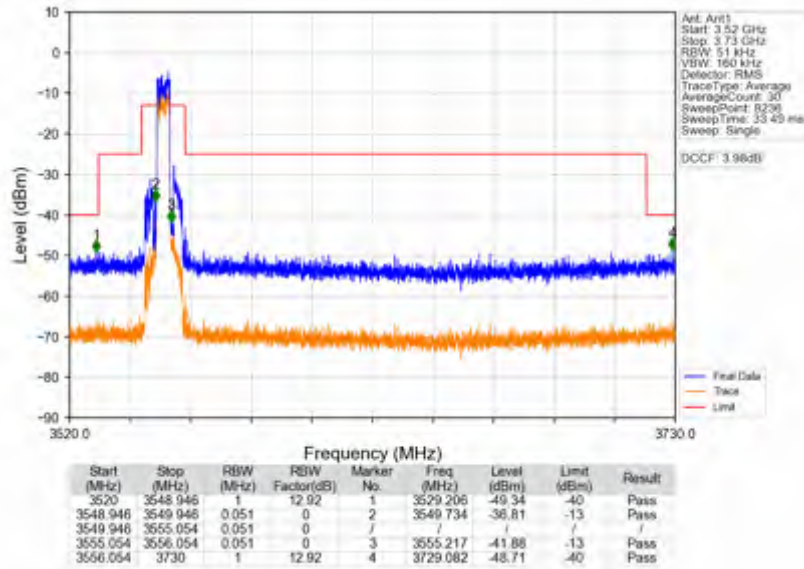
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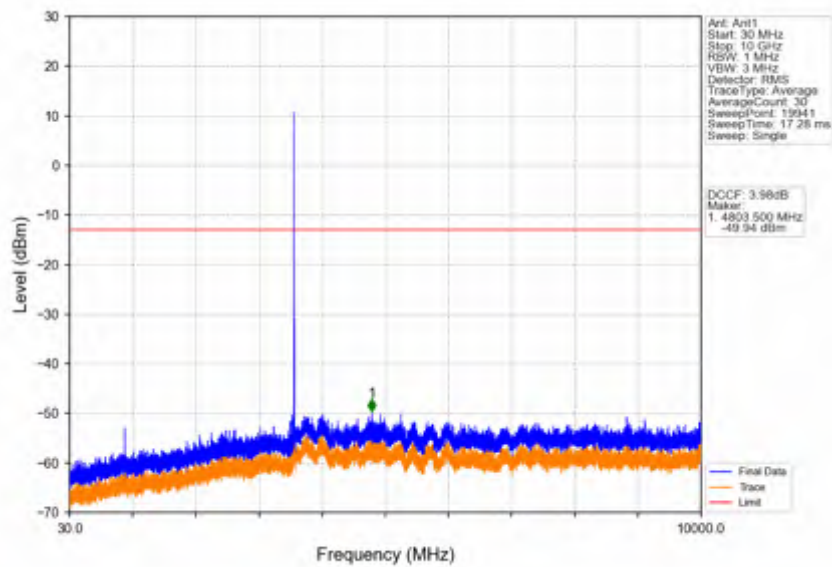
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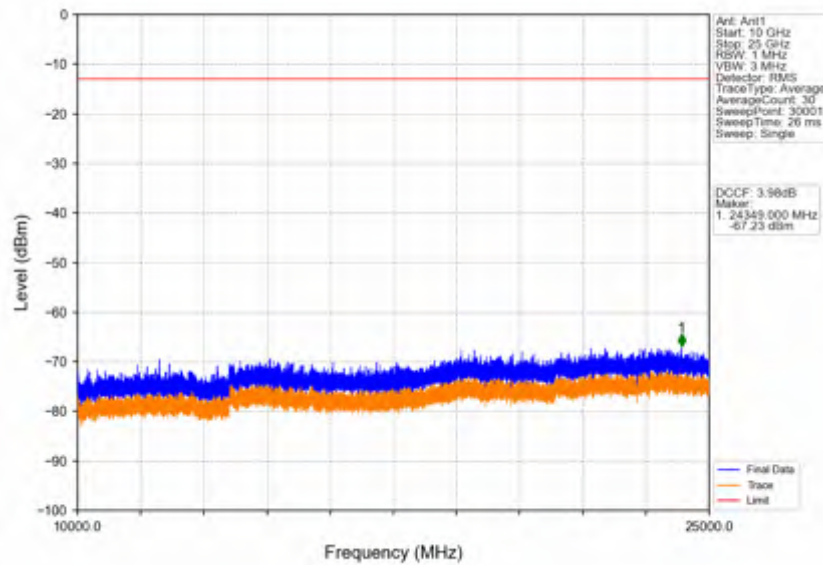


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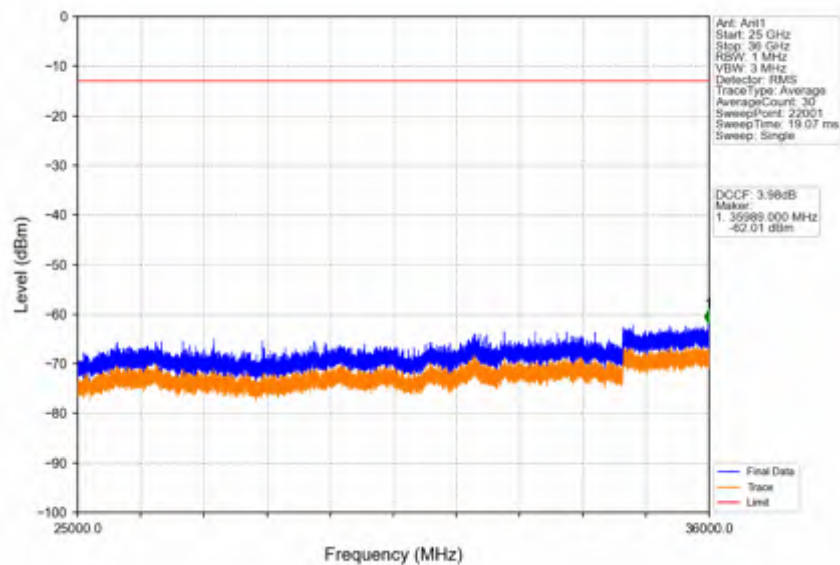
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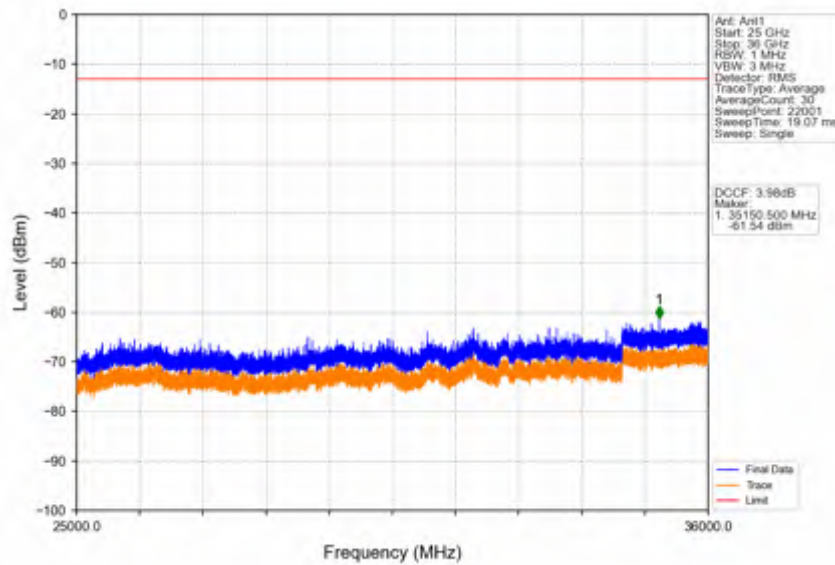
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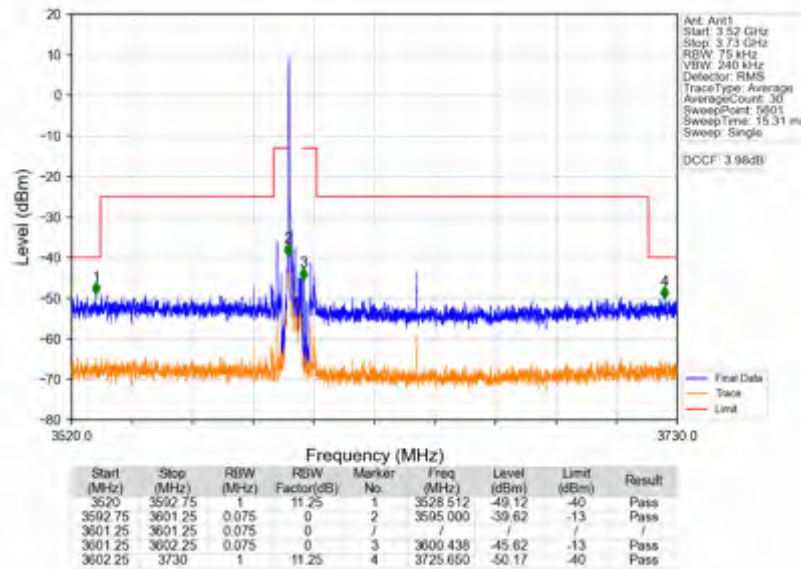
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Band42c_5MHz_QPSK_HCH_3597.5MHz_RB_1_0_NTNV



Band42c_5MHz_QPSK_HCH_3597.5MHz_RB_1_24_NTNV



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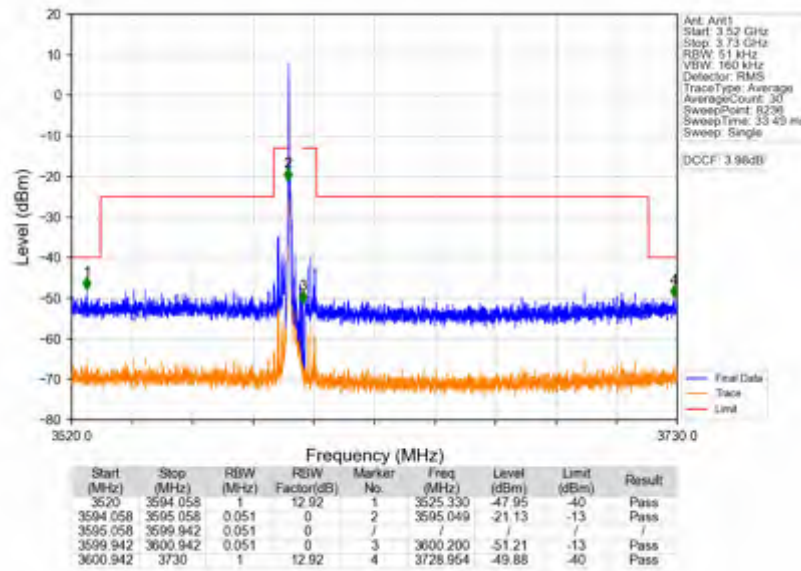
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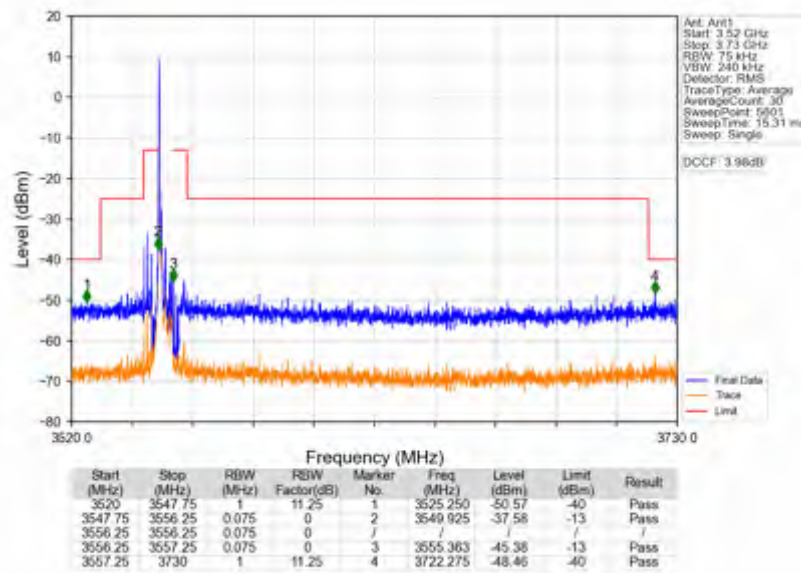
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Band42c_5MHz_QPSK_HCH_3597.5MHz_RB_25_0_NTNV



Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV

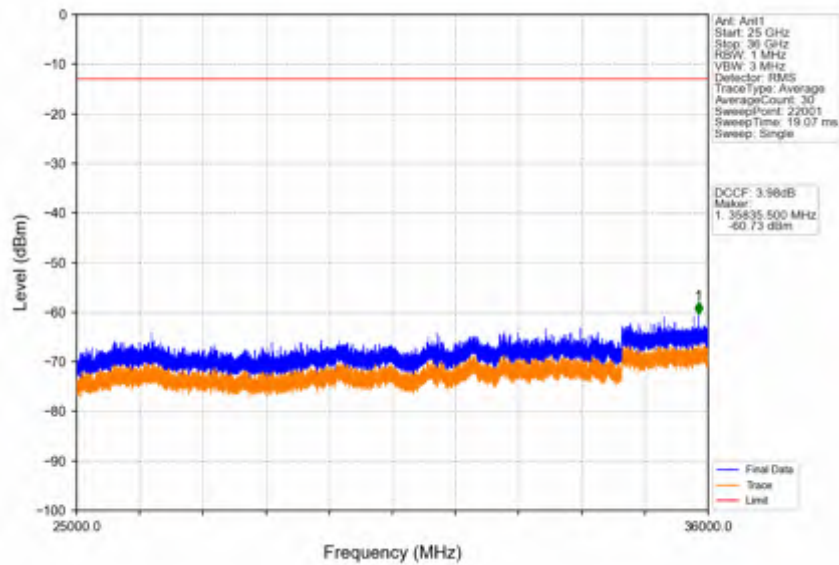


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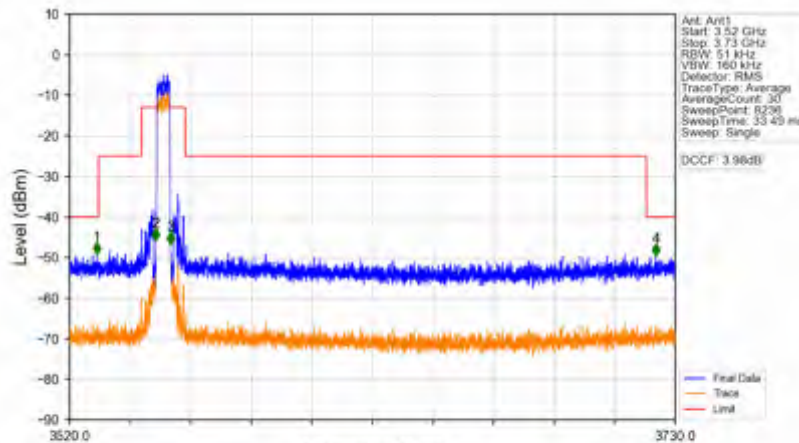
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Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



Band42c_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



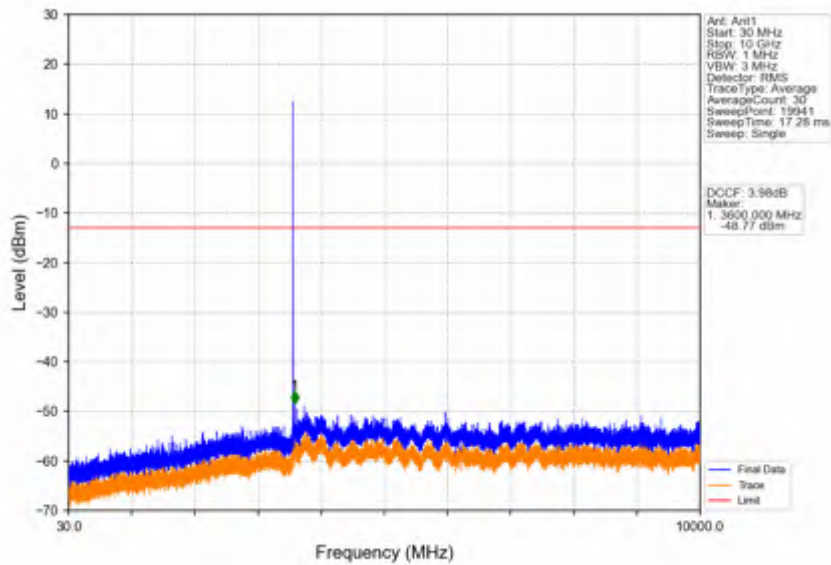
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.933	1	12.92	1	3529.359	-49.27	-40	Pass
3548.933	3549.933	0.051	0	2	3549.887	-45.87	-13	Pass
3549.933	3555.068	0.051	0	3	3555.089	-46.83	-13	Pass
3555.068	3556.068	0.051	0	3	3555.089	-46.83	-13	Pass
3556.068	3730	1	12.92	4	3723.319	-49.66	-40	Pass



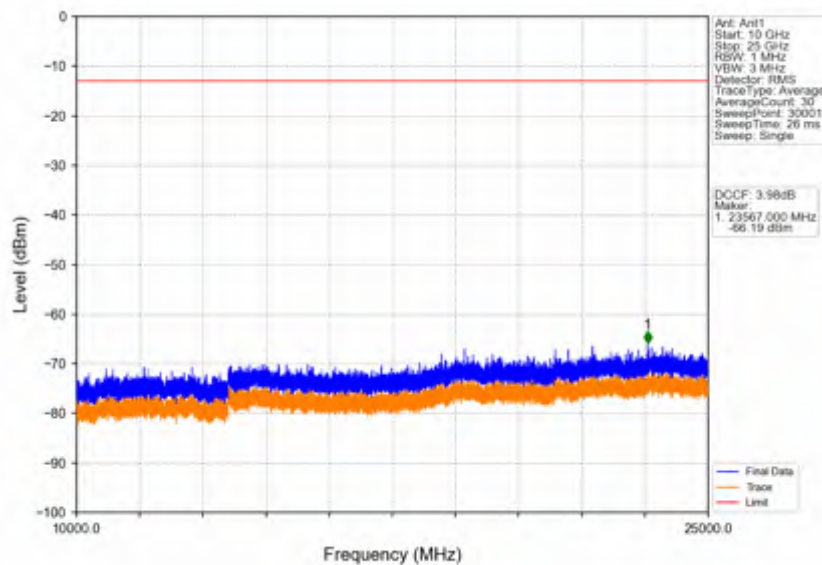
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Band42c_5MHz_16QAM_MCH_3575MHz_RB_1_0_NTV



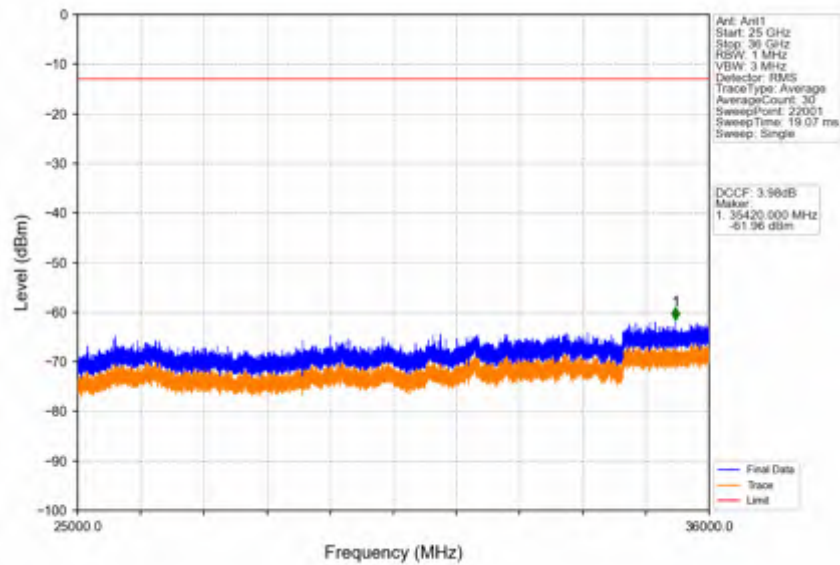
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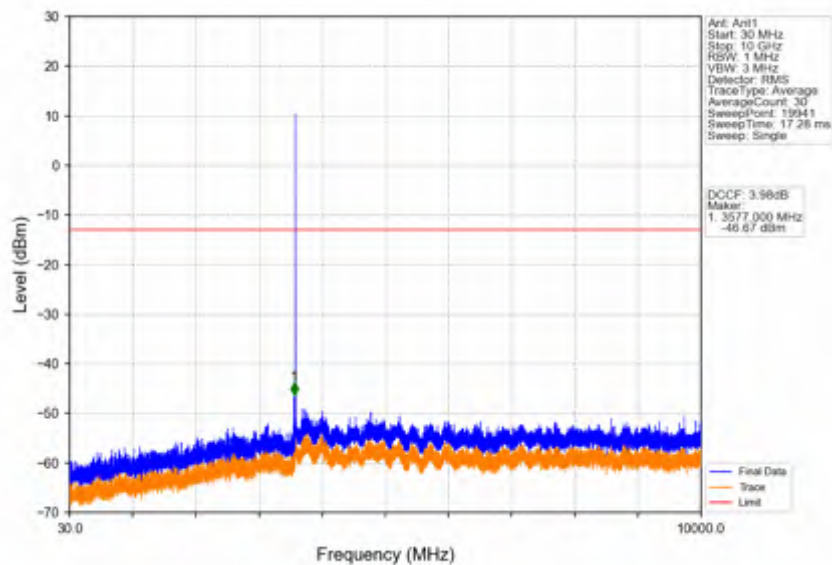
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Band42c_5MHz_16QAM_HCH_3597.5MHz_RB_1_0_NTNV



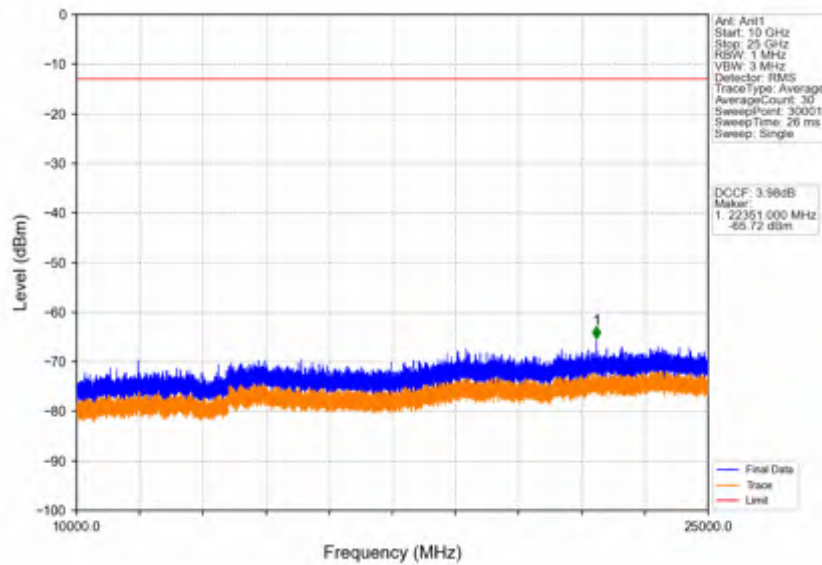
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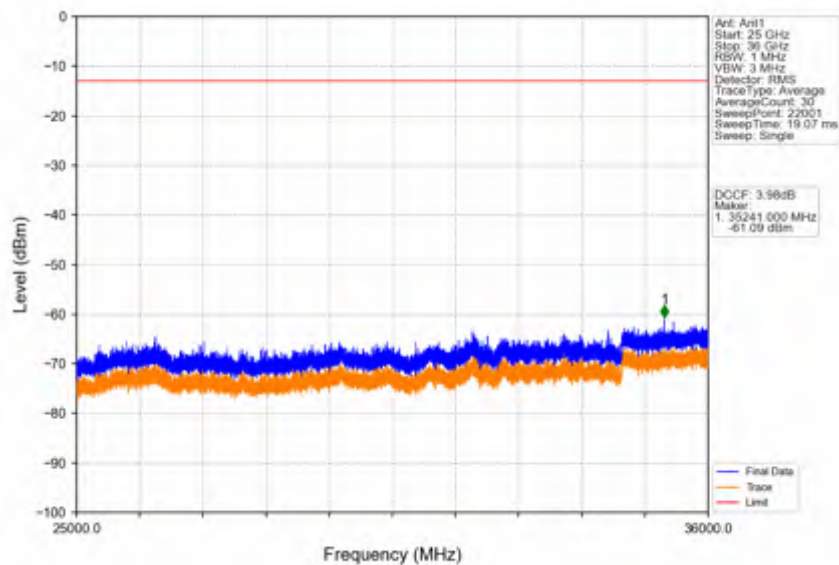
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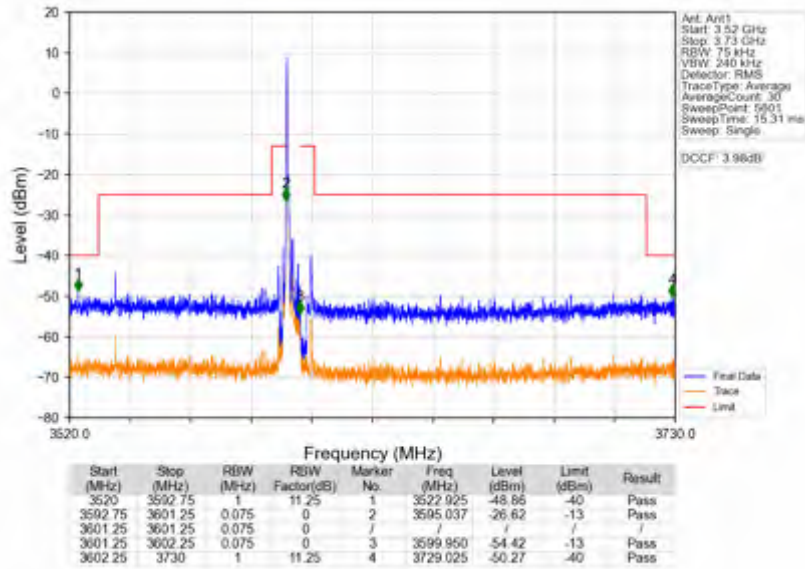


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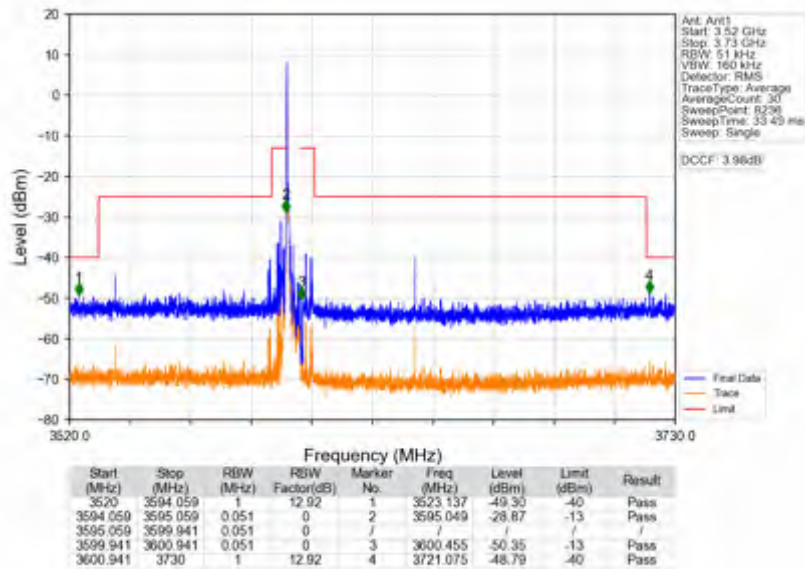
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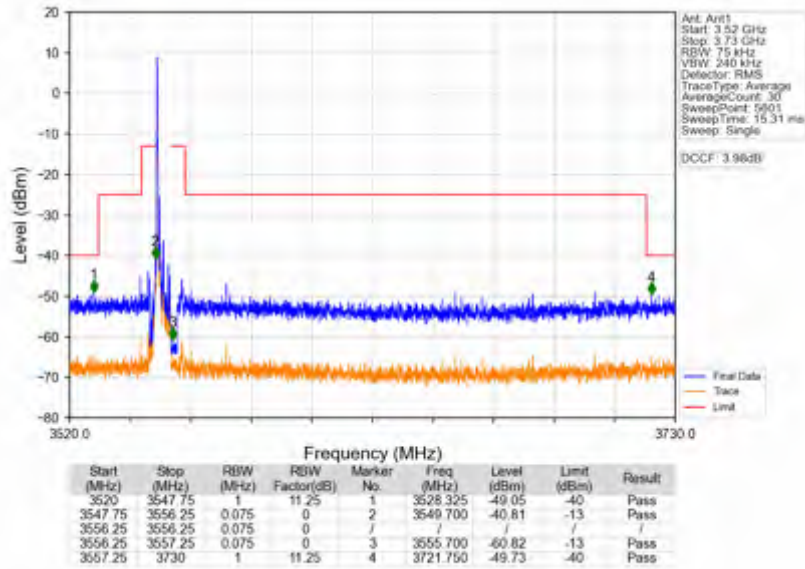


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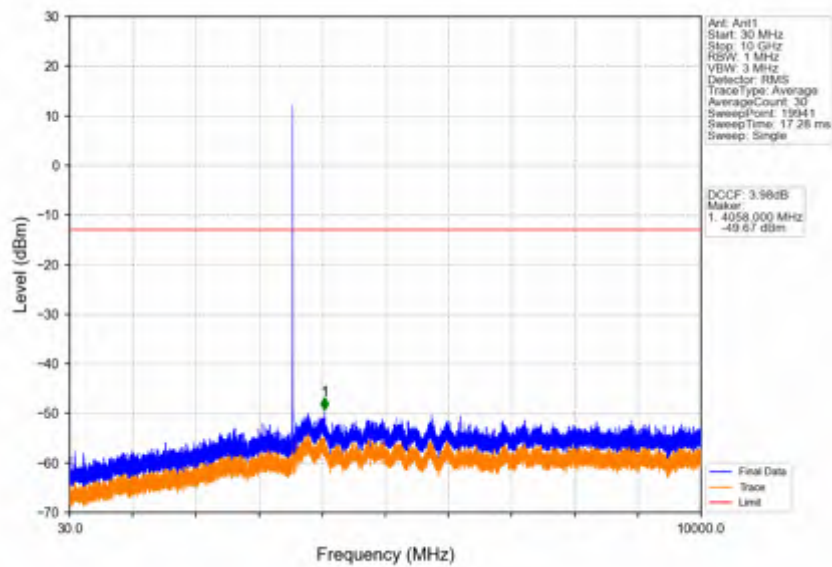
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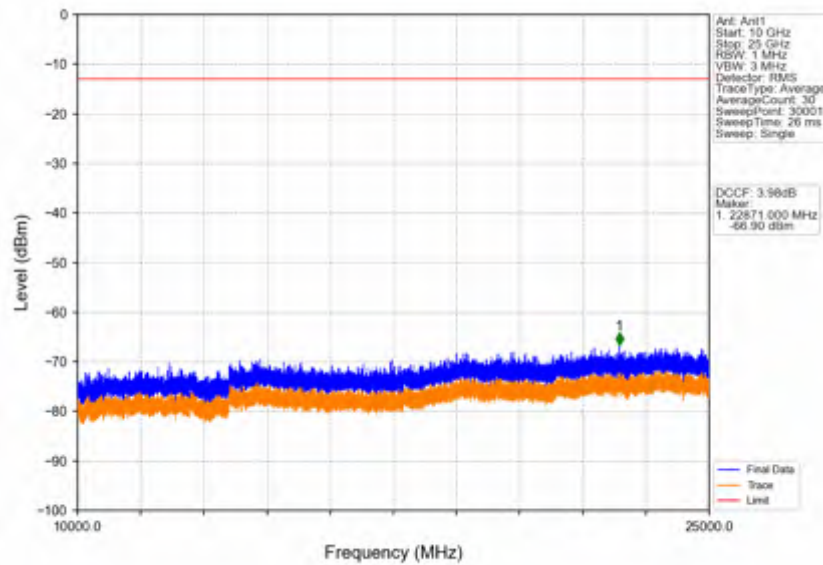


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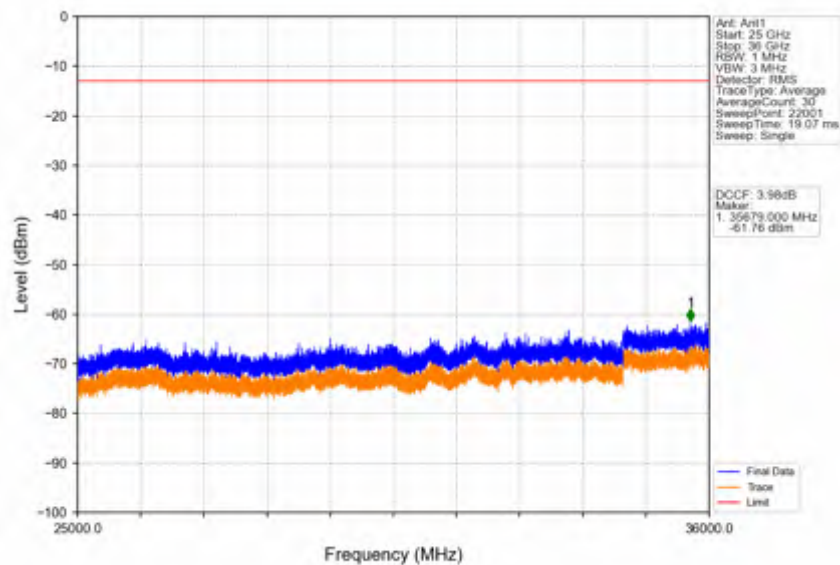
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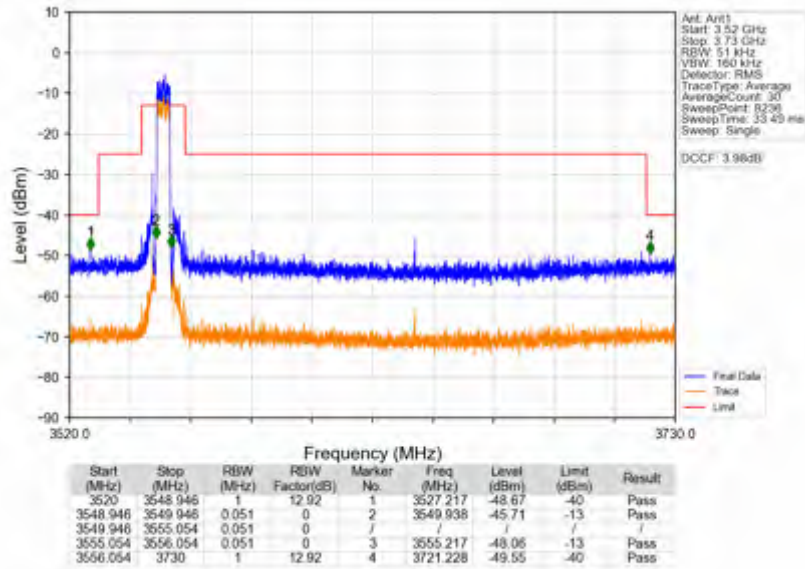


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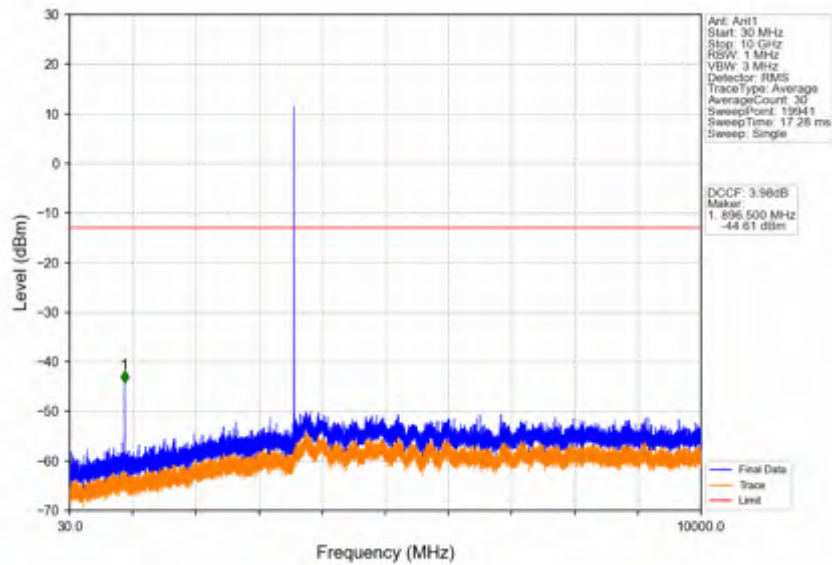
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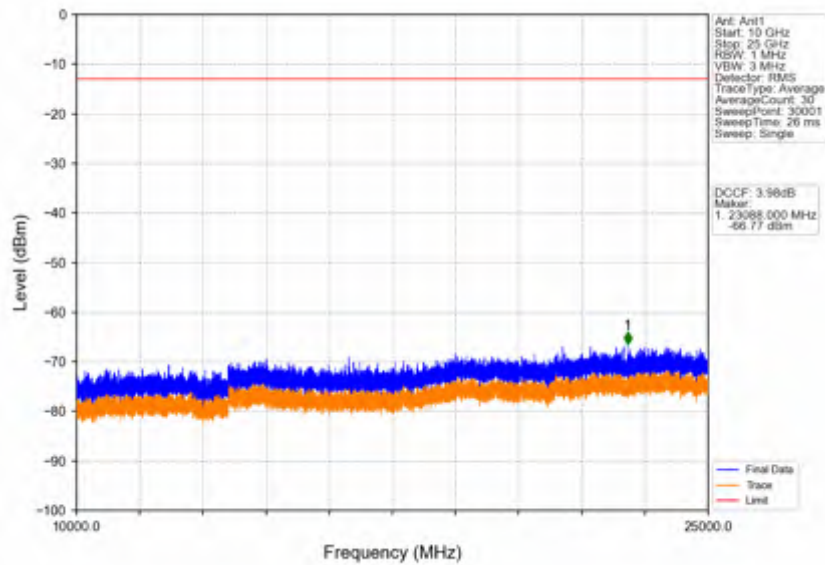


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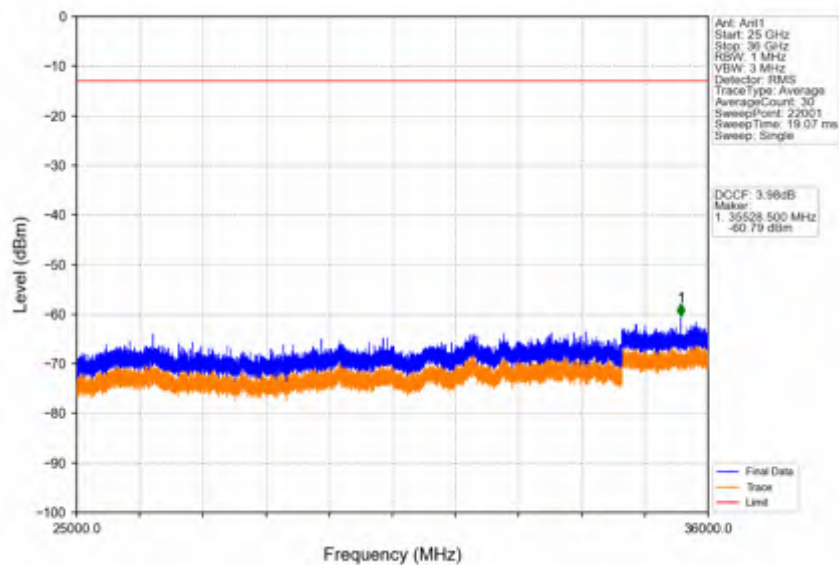
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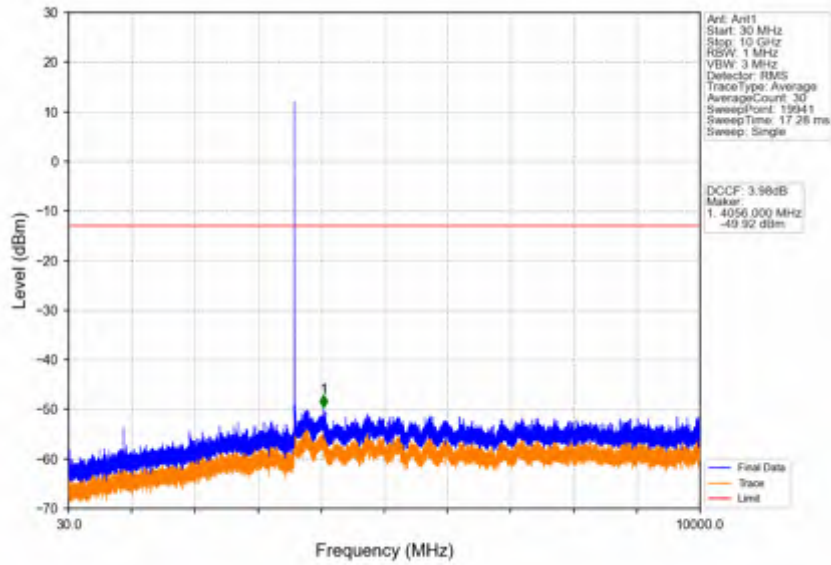
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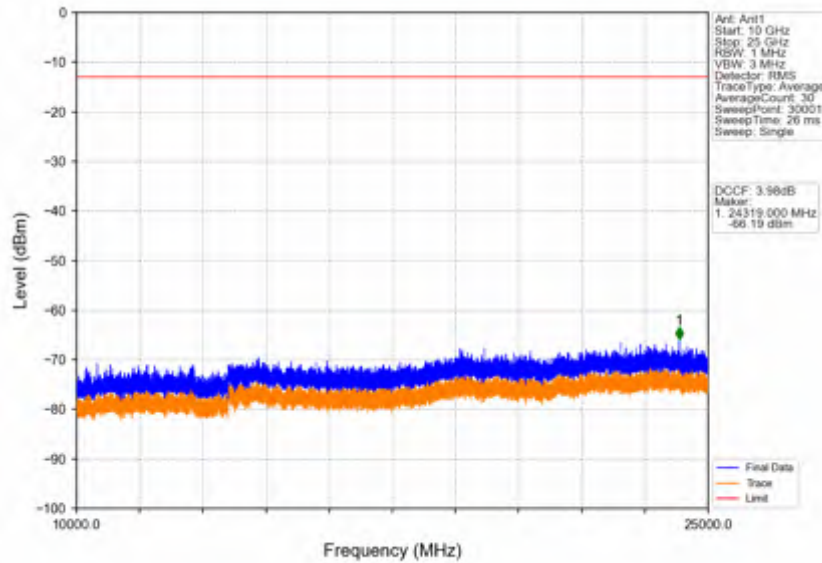
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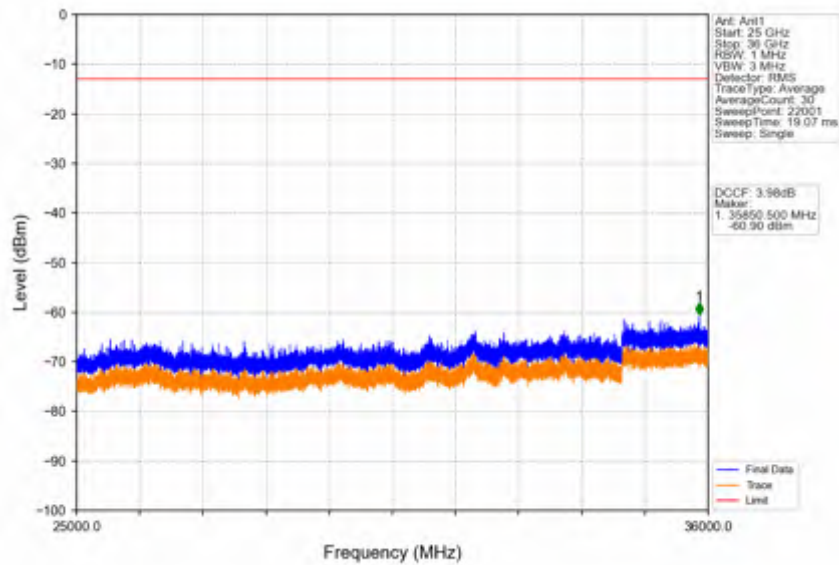
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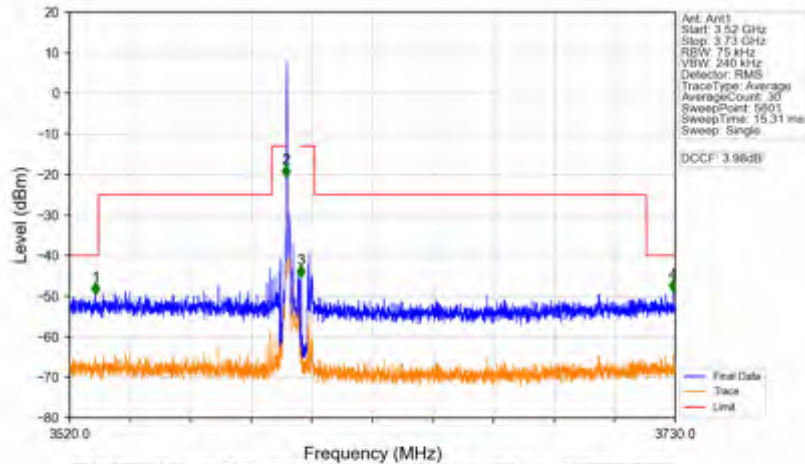
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Band42c_5MHz_64QAM_HCH_3597.5MHz_RB_1_0_NTNV



Band42c_5MHz_64QAM_HCH_3597.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3592.75	1	11.25	1	3528.963	-49.69	-40	Pass
3592.75	3601.25	0.075	0	2	3595.075	-20.82	-13	Pass
3601.25	3602.25	0.075	0	3	3600.287	-45.45	-13	Pass
3602.25	3730	1	11.25	4	3729.175	-48.94	-40	Pass



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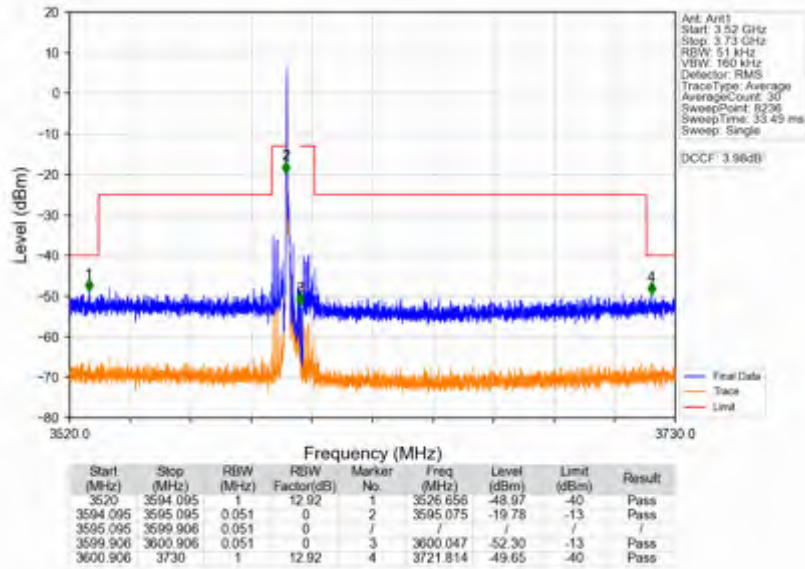
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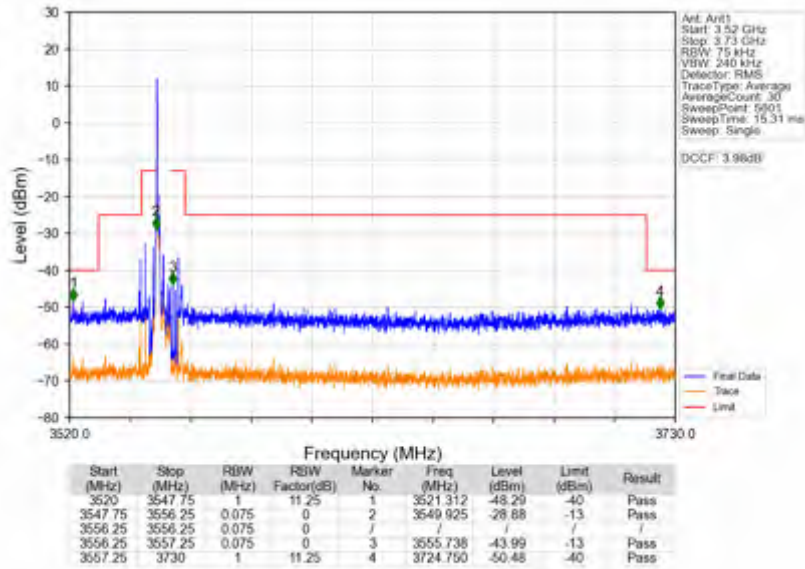
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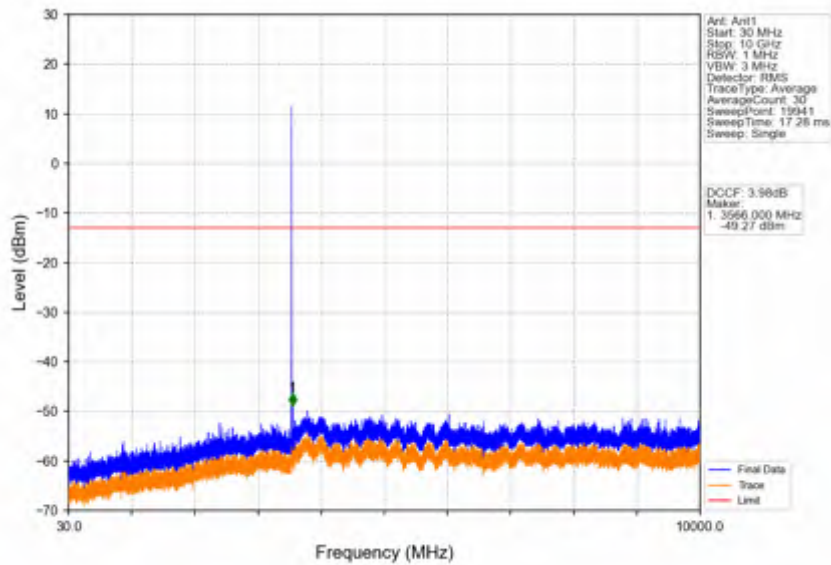
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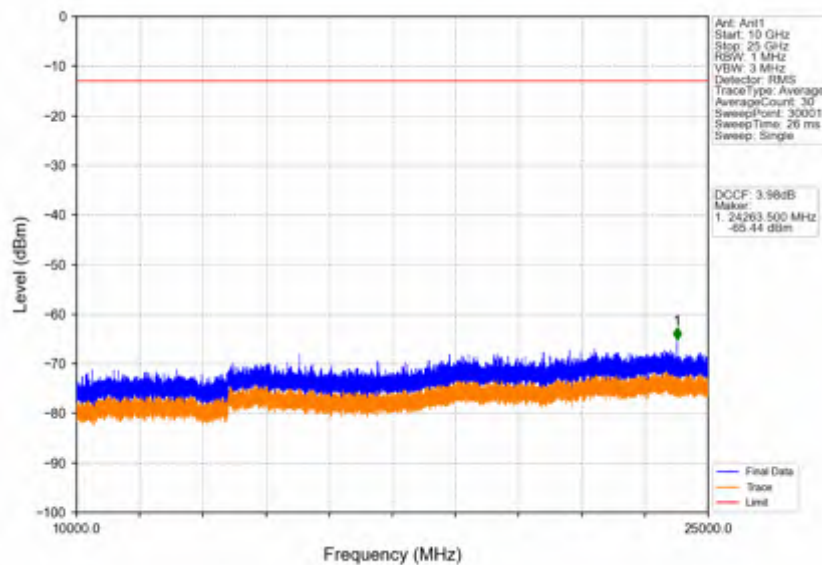
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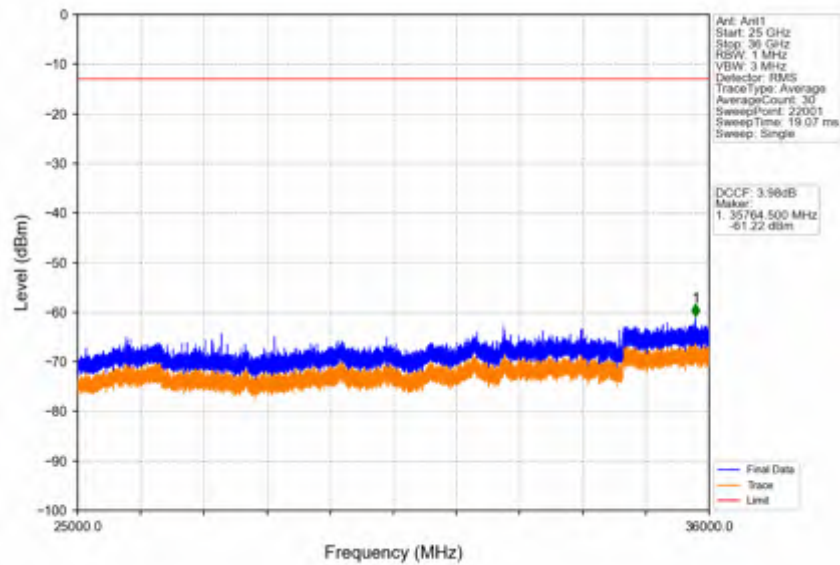
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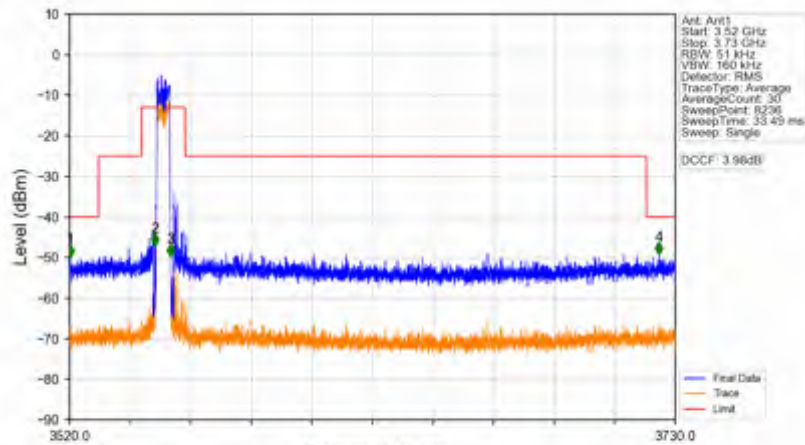
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Band42c_5MHz_256QAM_LCH_3552.5MHz_RB_1_0_NTNV



Band42c_5MHz_256QAM_LCH_3552.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.953	1	12.92	1	3520.255	-49.89	-40	Pass
3548.953	3549.953	0.051	0	2	3549.556	-47.10	-13	Pass
3549.953	3555.047	0.051	0	3	3555.064	-49.74	-13	Pass
3555.047	3556.047	0.051	0	3	3555.064	-49.74	-13	Pass
3556.047	3730	1	12.92	4	3724.390	-49.30	-40	Pass



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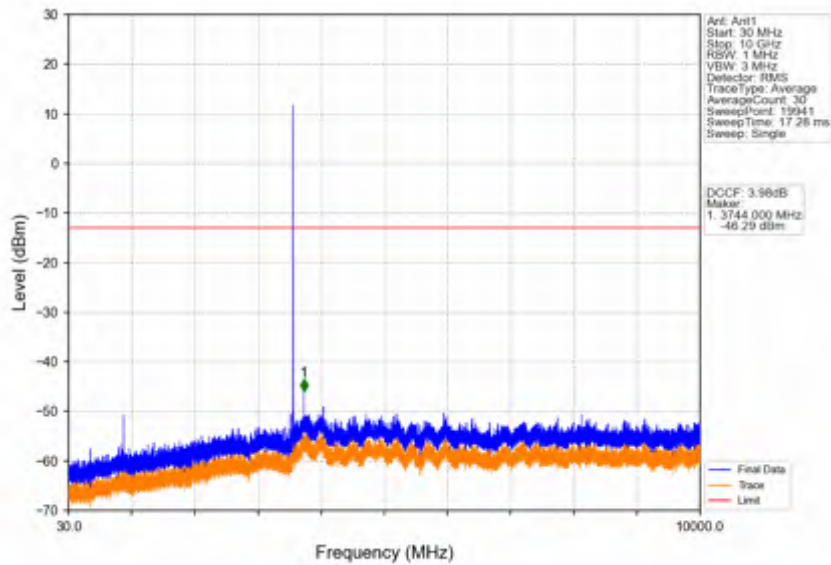
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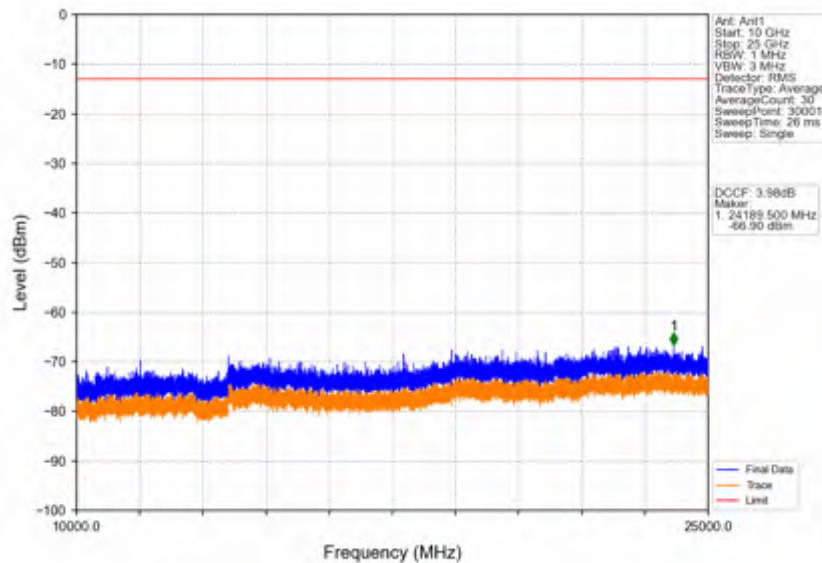
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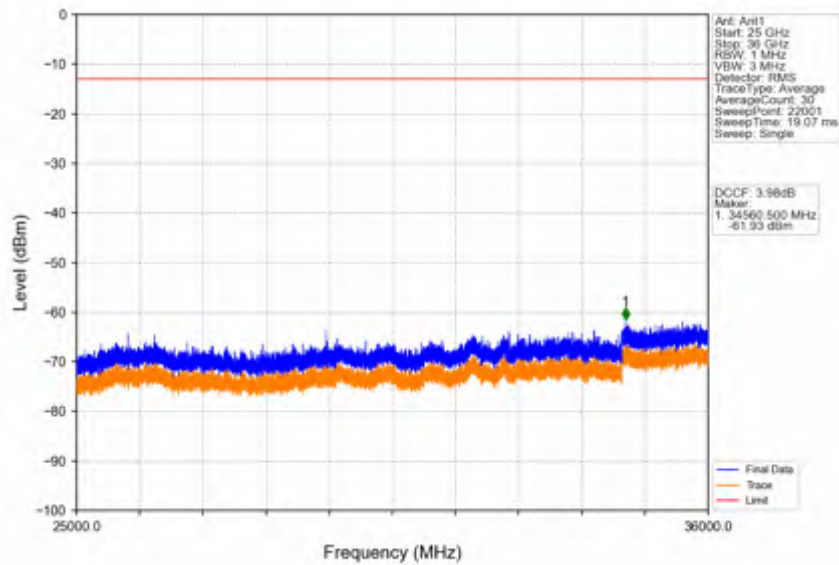
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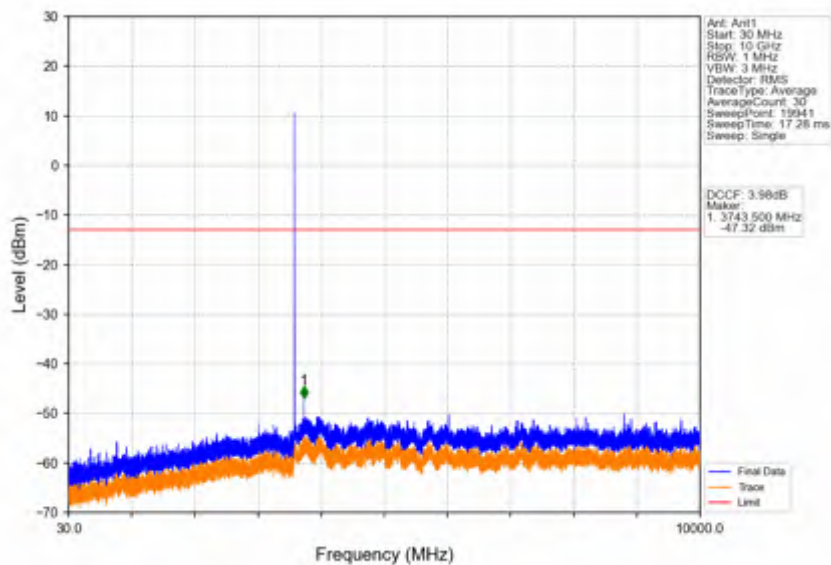
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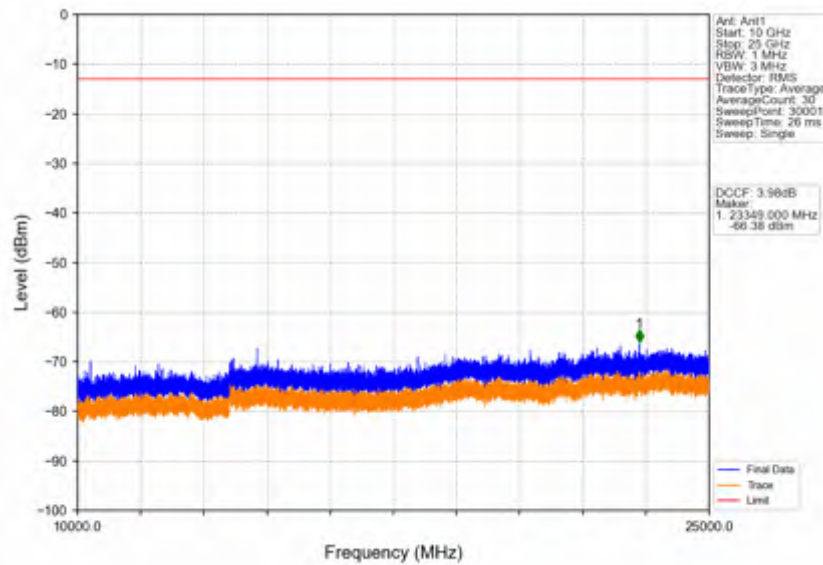


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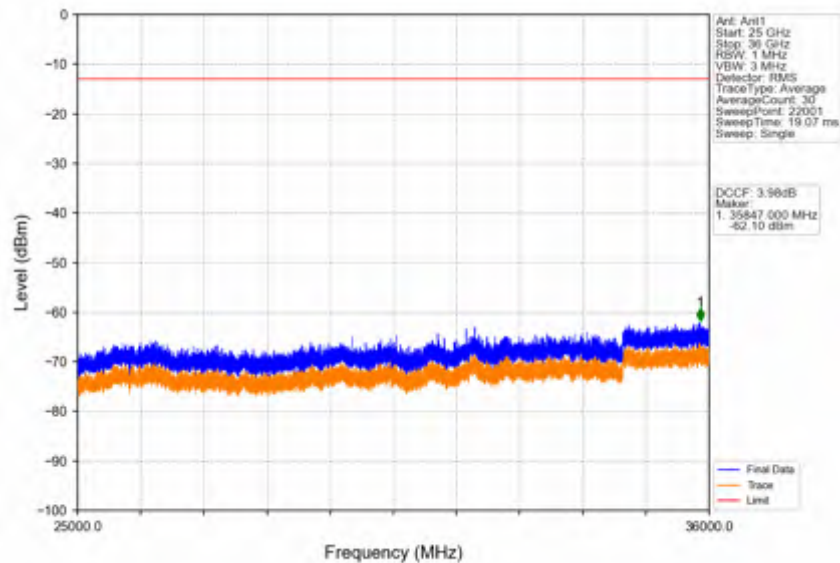
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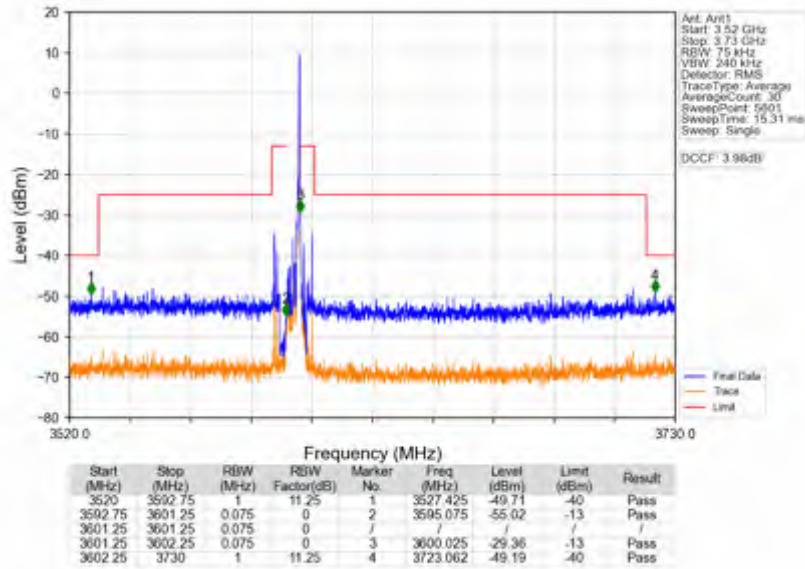


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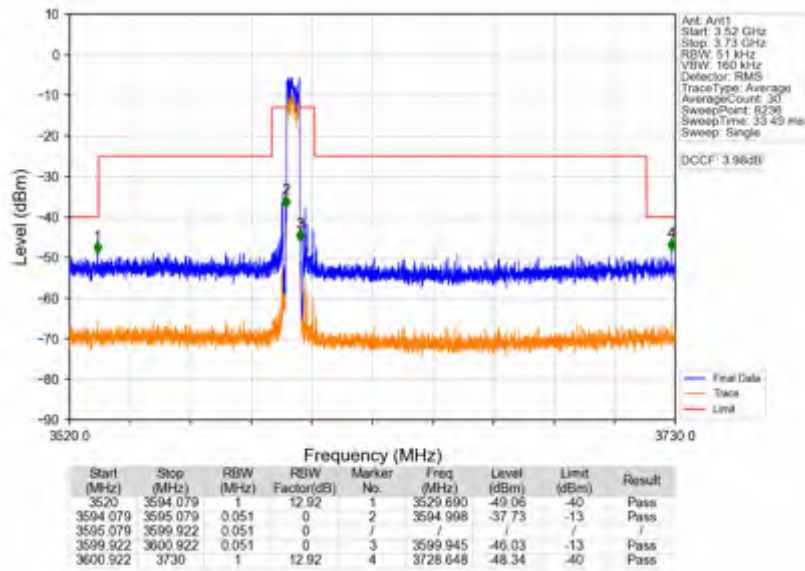
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12.2 B42c_10MHz

12.2.1 Test Result

Band: 42c / Bandwidth: 10MHz / NTV						
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
	3595	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
	3595	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
	3595	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
	3595	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

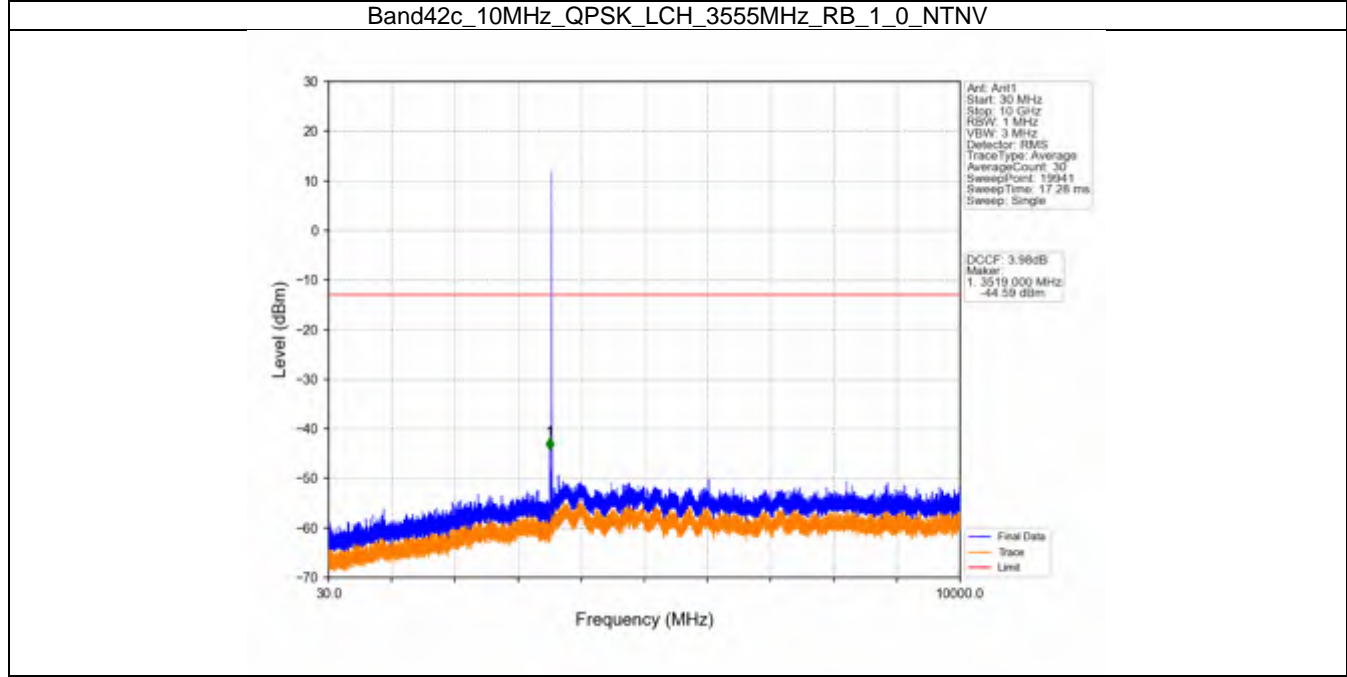
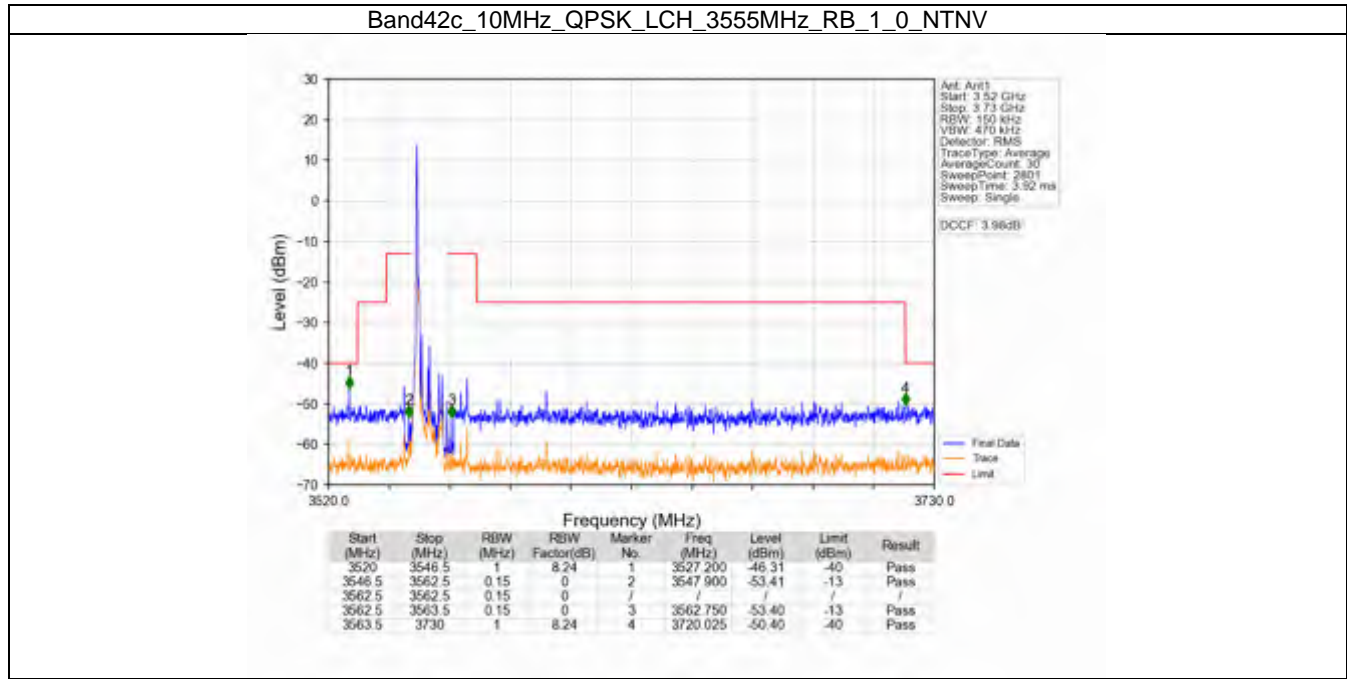


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12.2.2 Test Graph

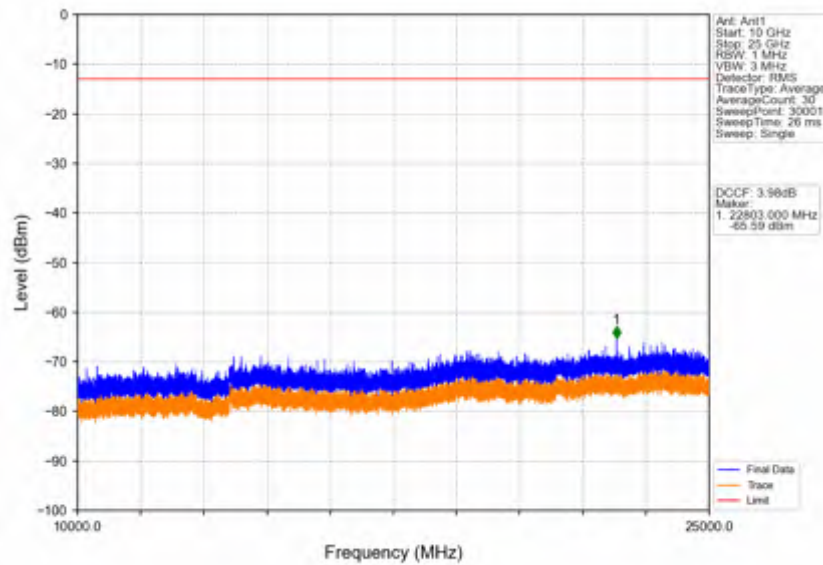


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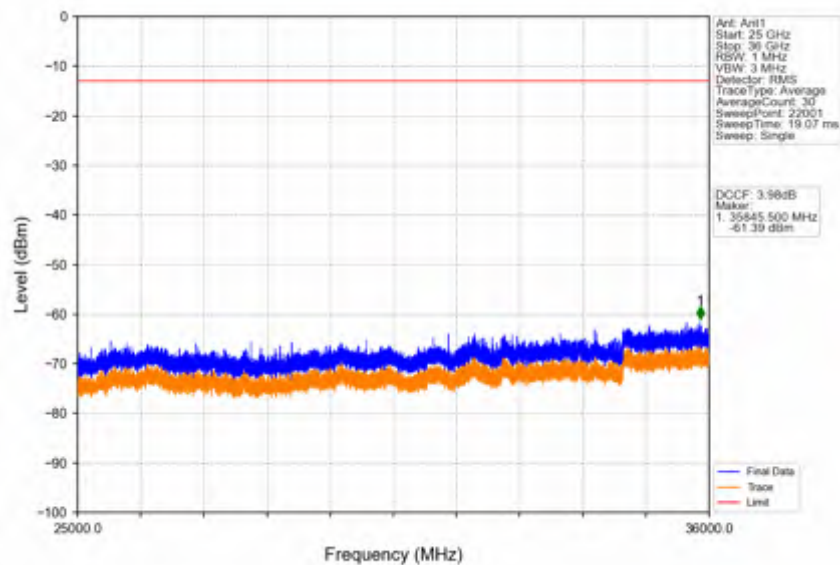
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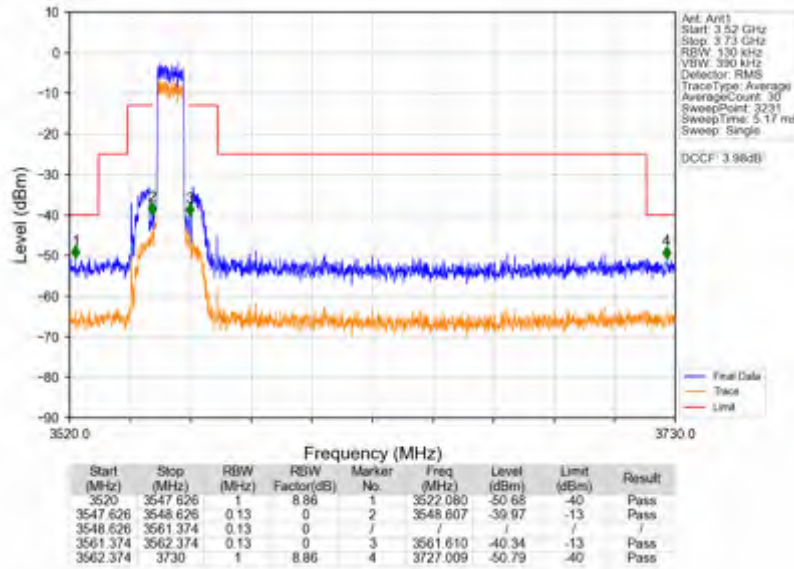


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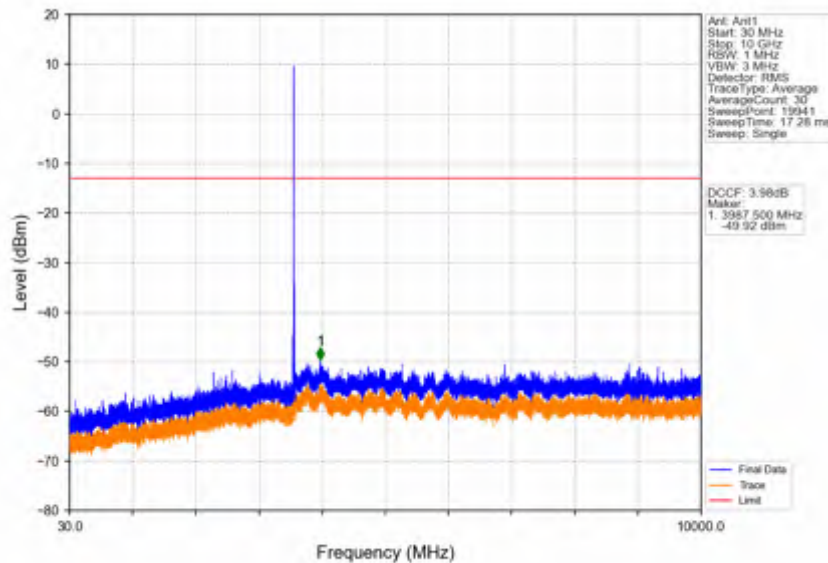
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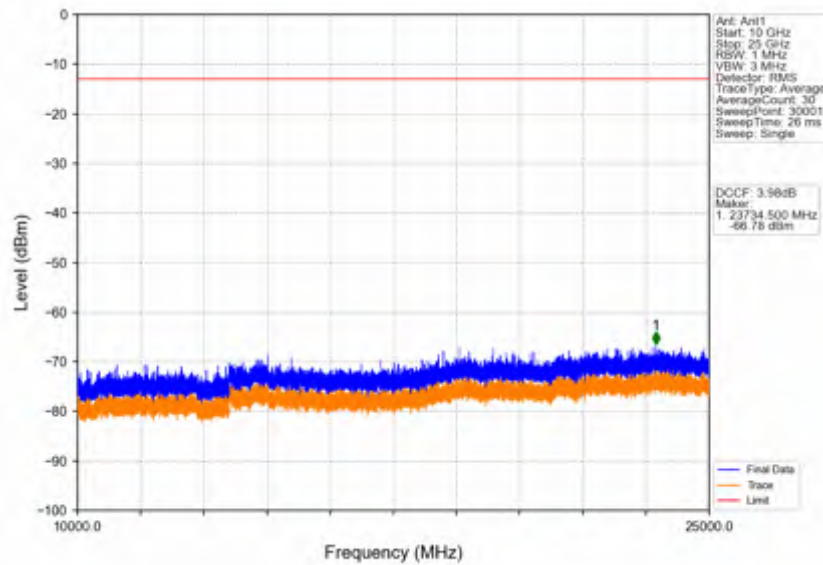


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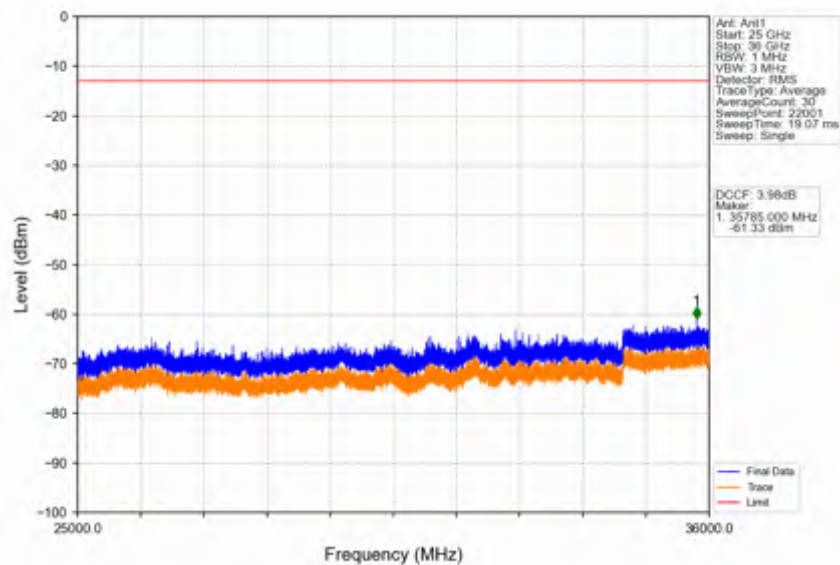
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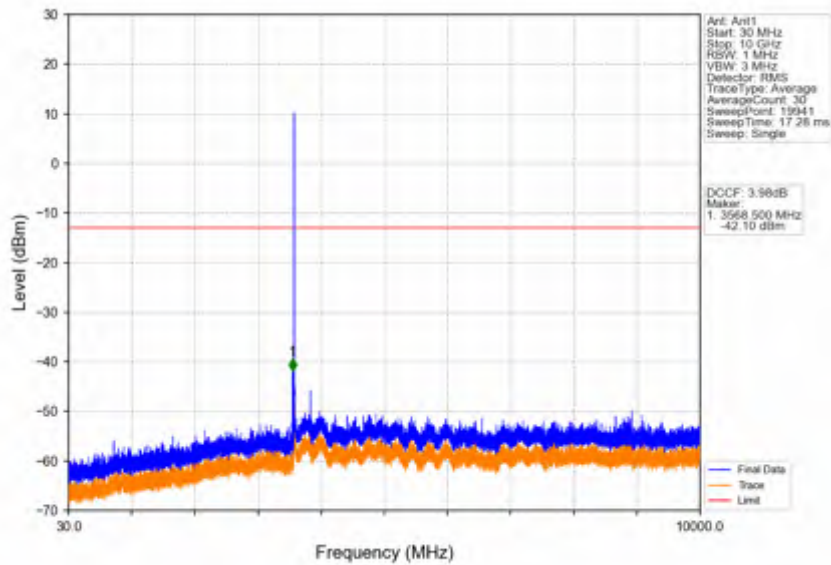
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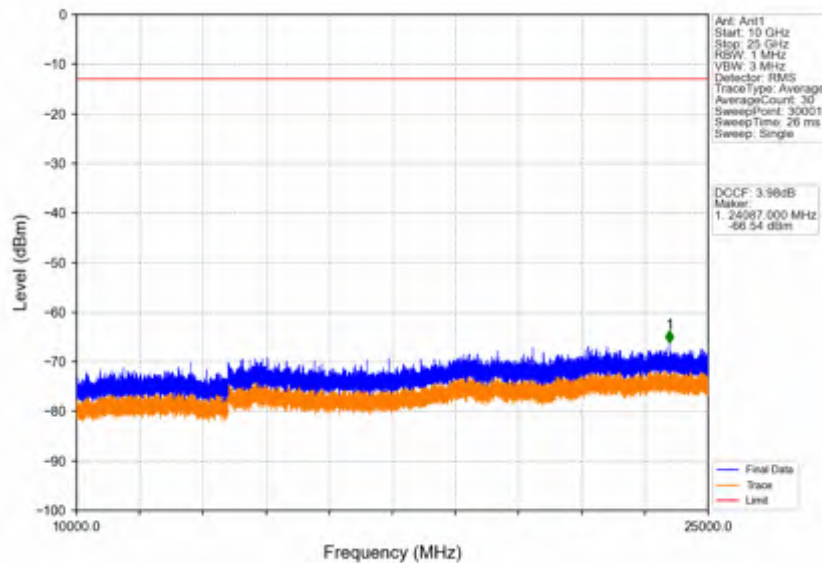
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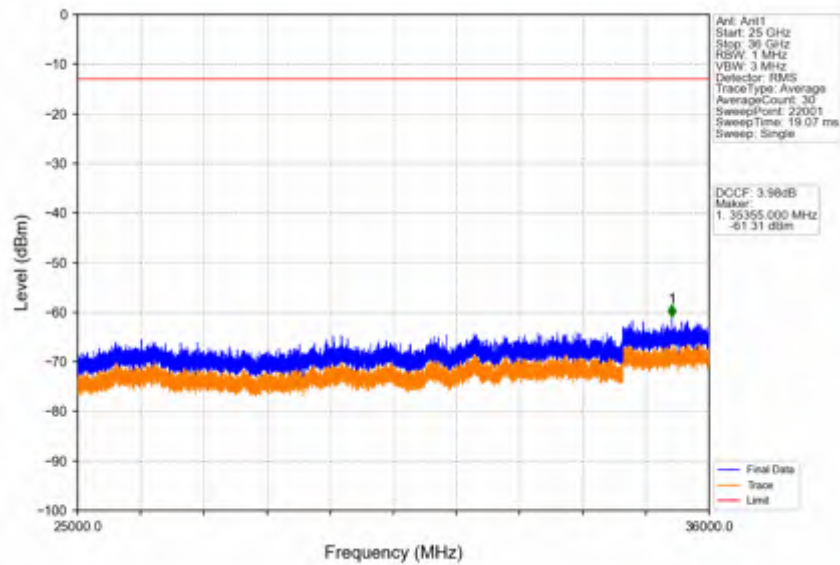


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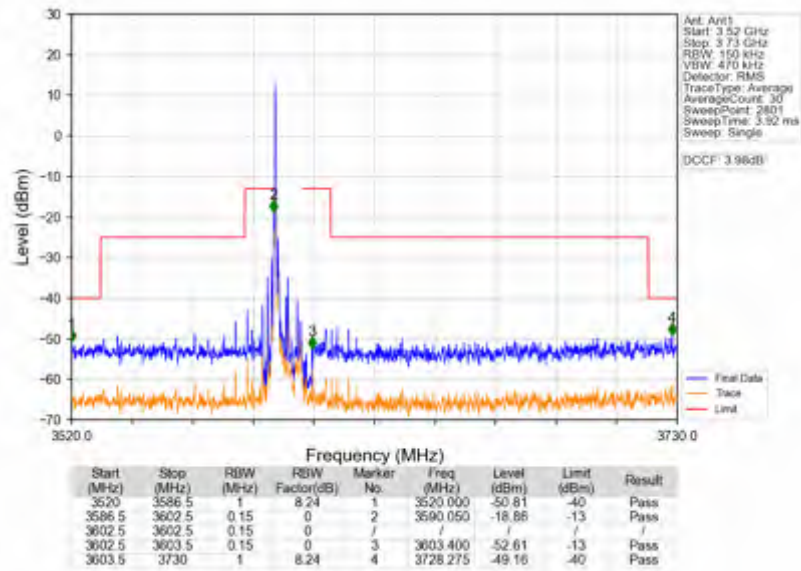
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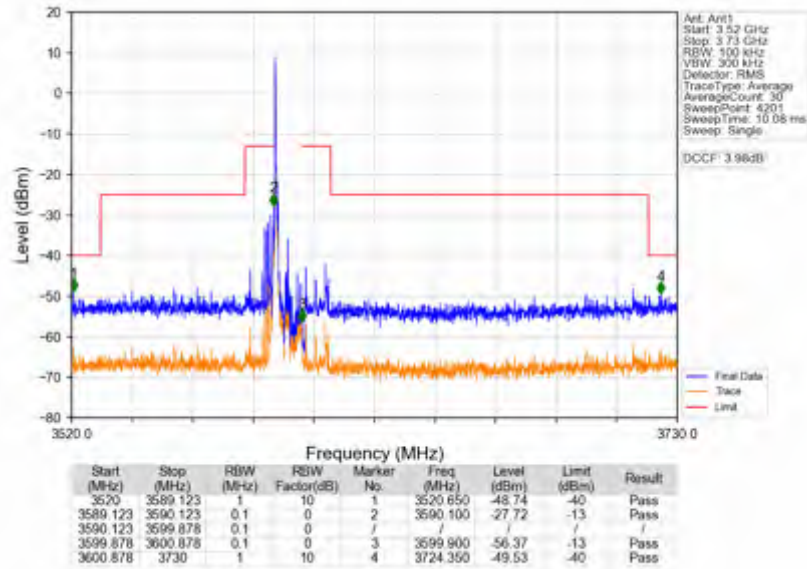
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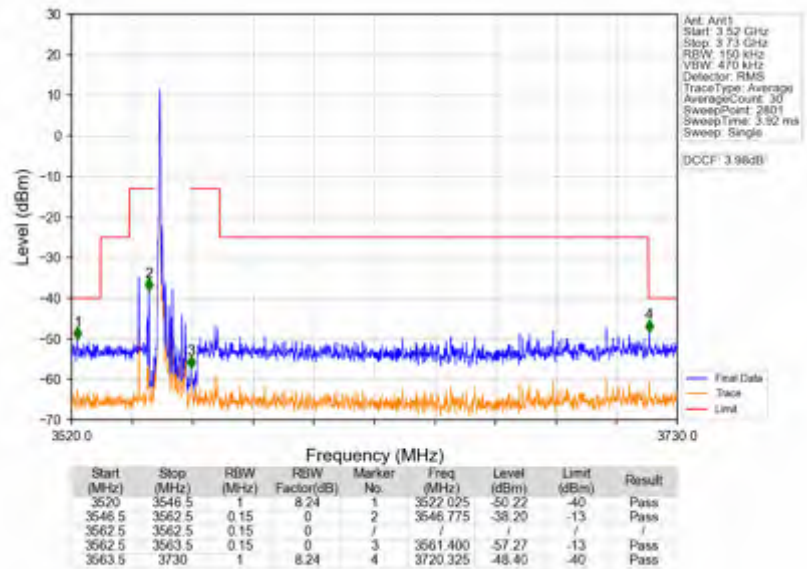
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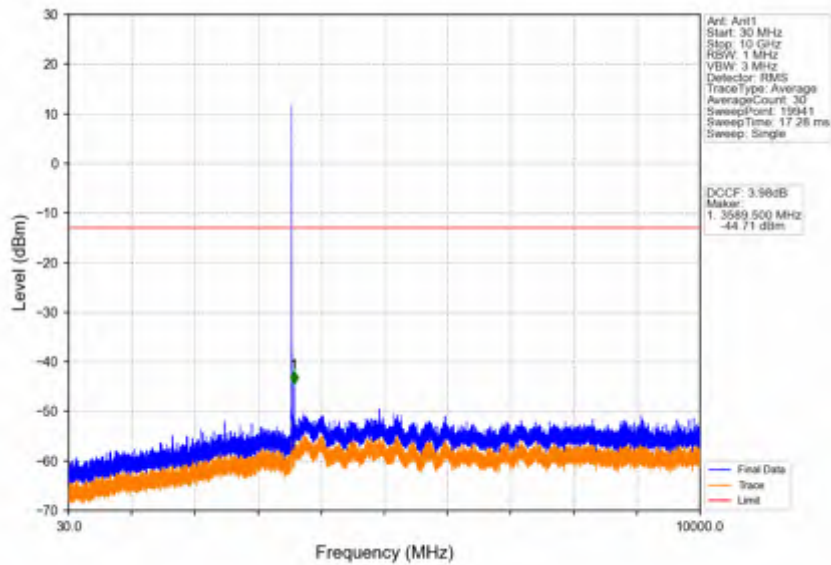
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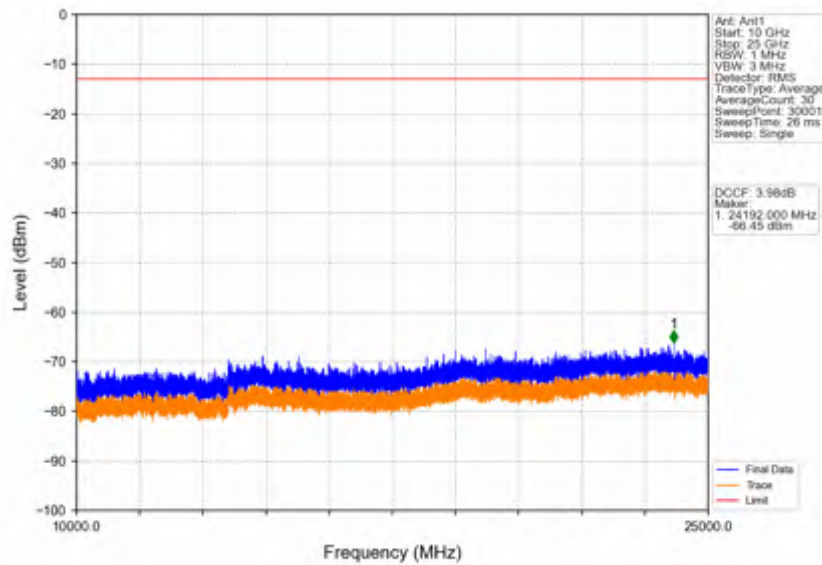
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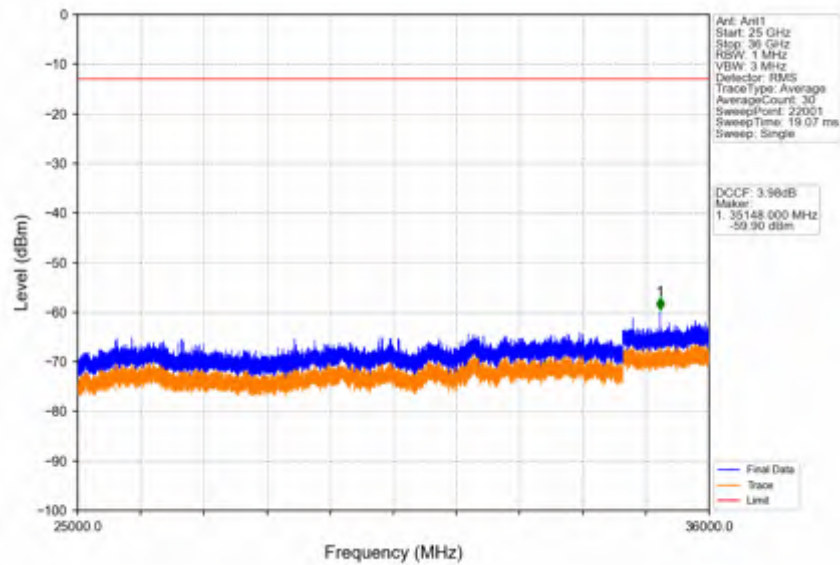
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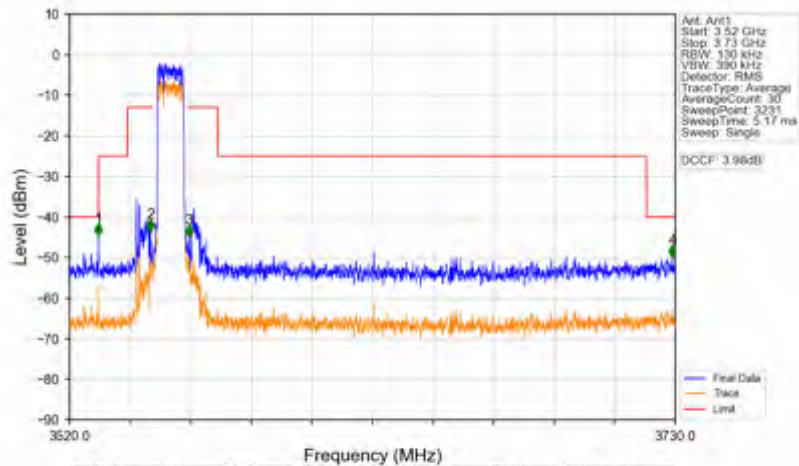
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Band42c_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3547.626	1	8.86	1	3529.947	-44.73	-40	Pass
3547.626	3548.626	0.13	0	2	3548.067	-43.69	-13	Pass
3548.626	3561.374	0.13	0	3	3561.480	-45.02	-13	Pass
3561.374	3562.374	0.13	0	3	3561.480	-45.02	-13	Pass
3562.374	3730	1	8.86	4	3729.025	-49.92	-40	Pass

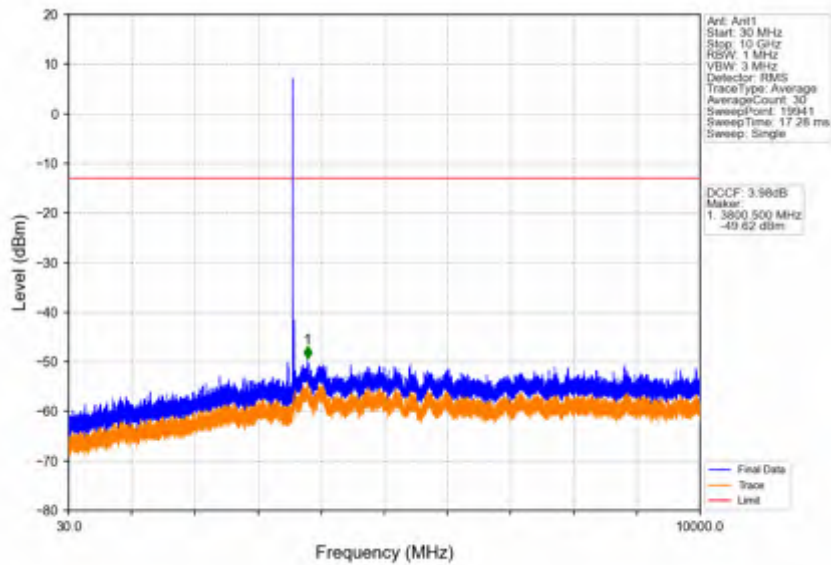


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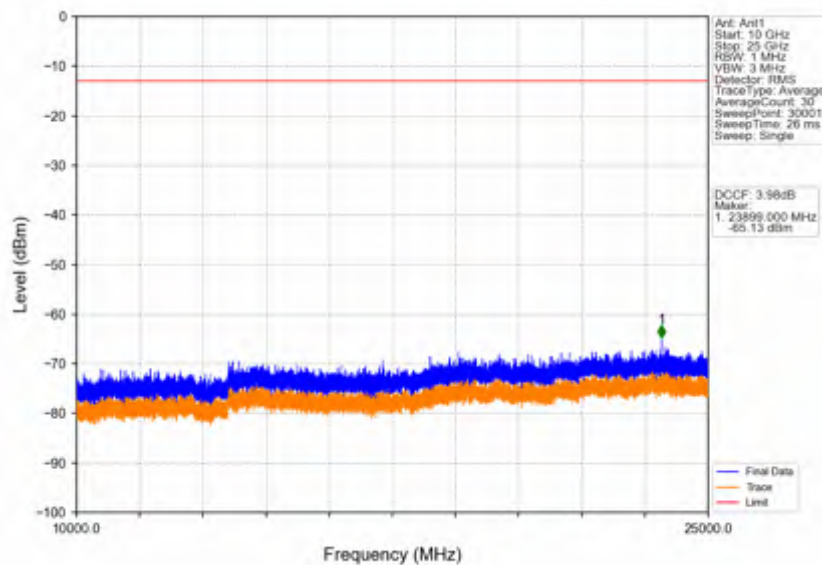
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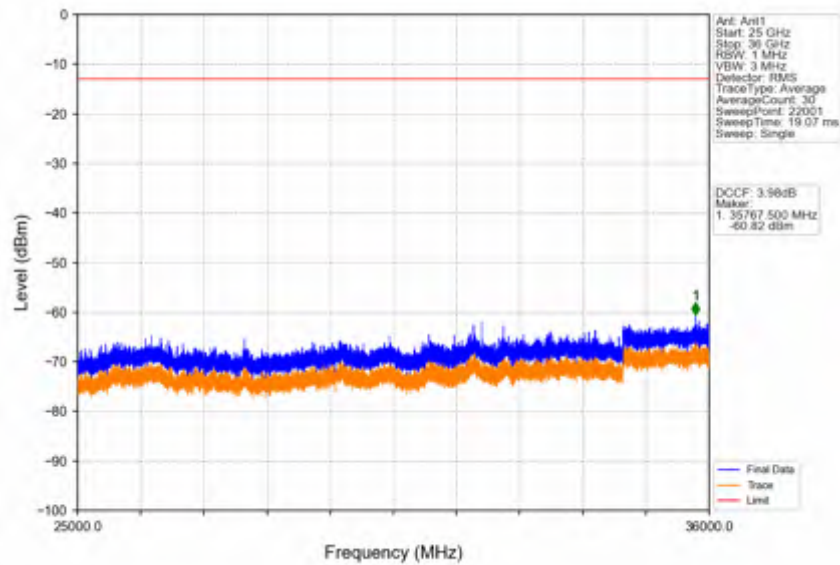
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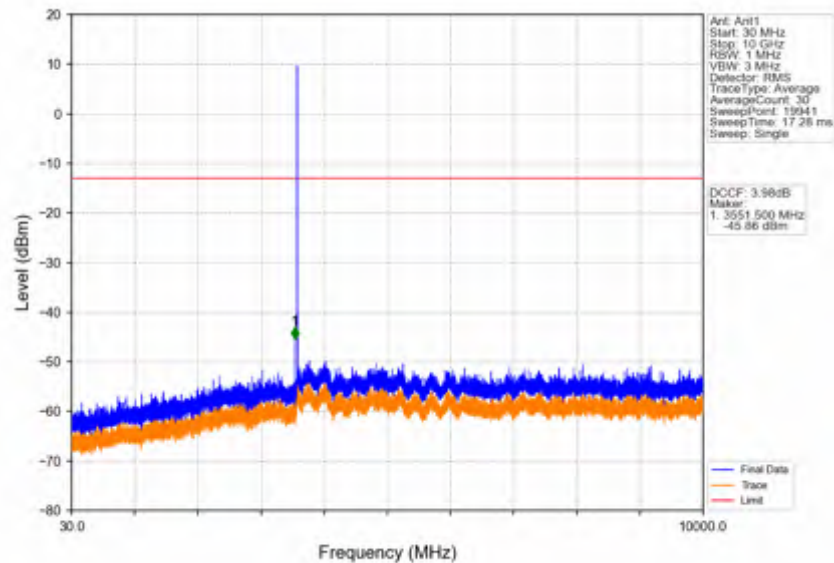
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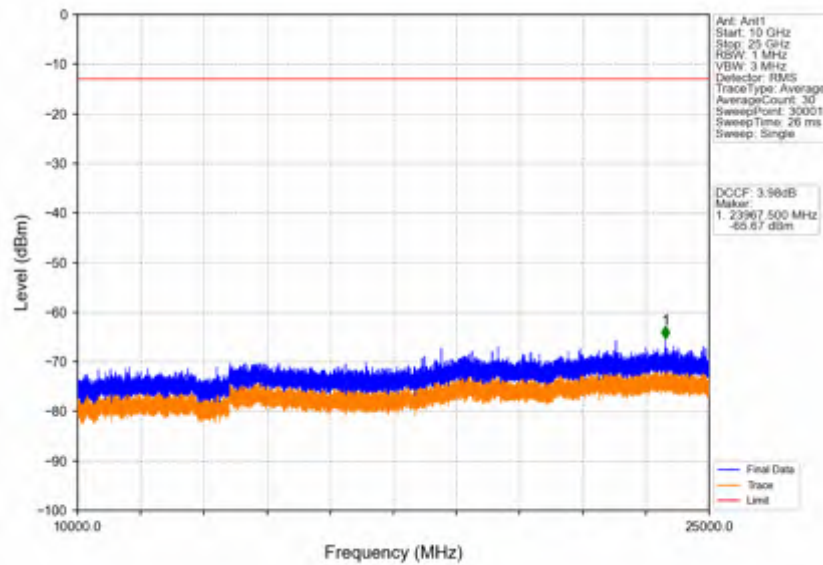
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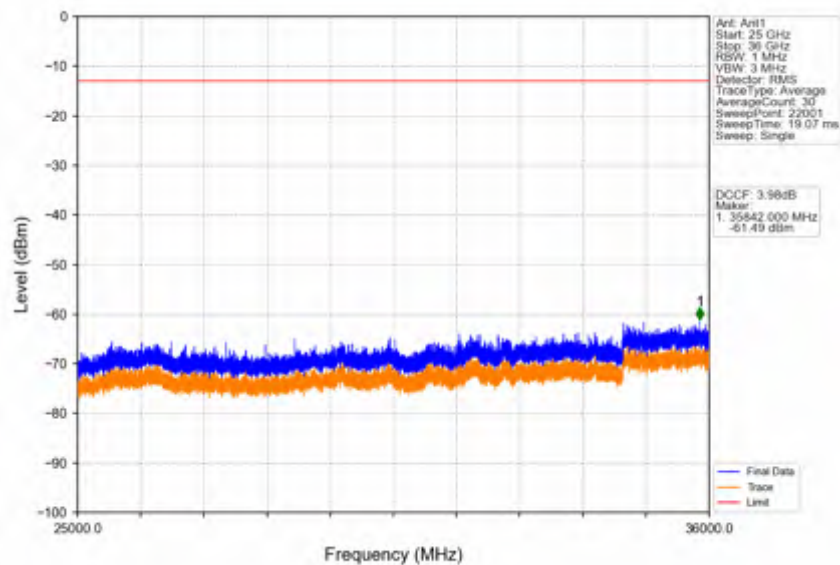
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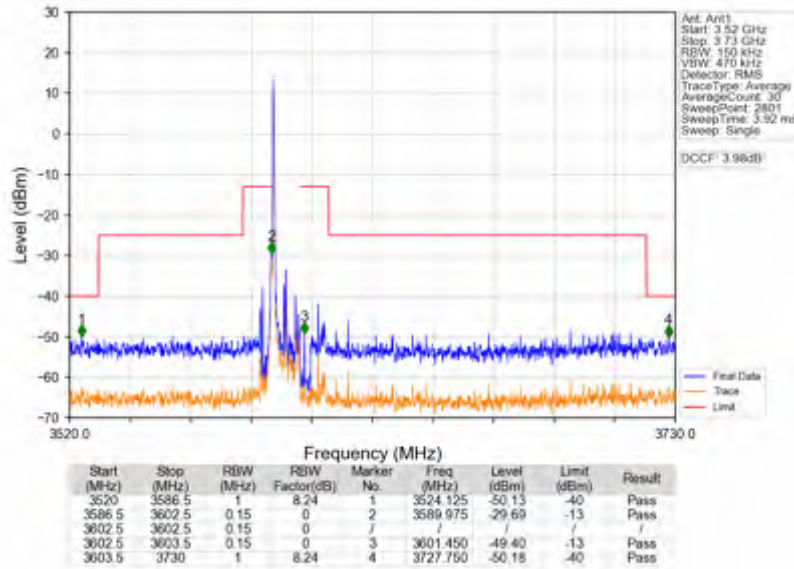
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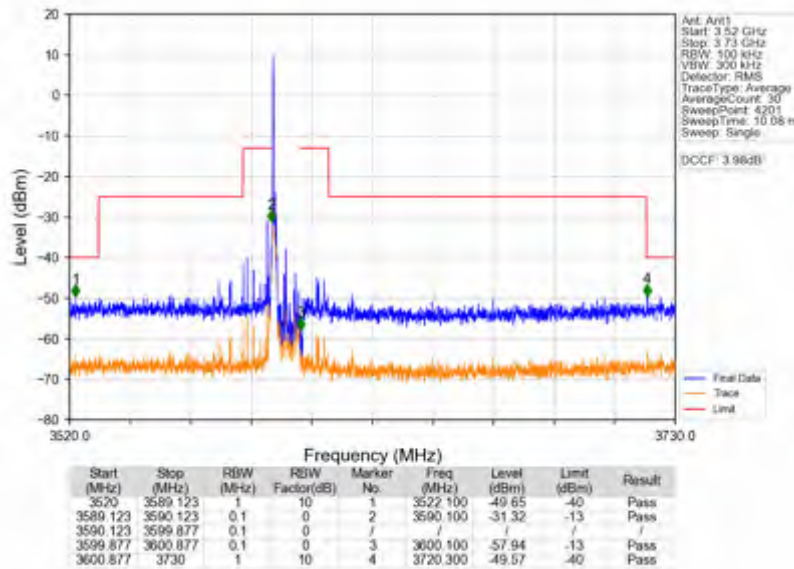
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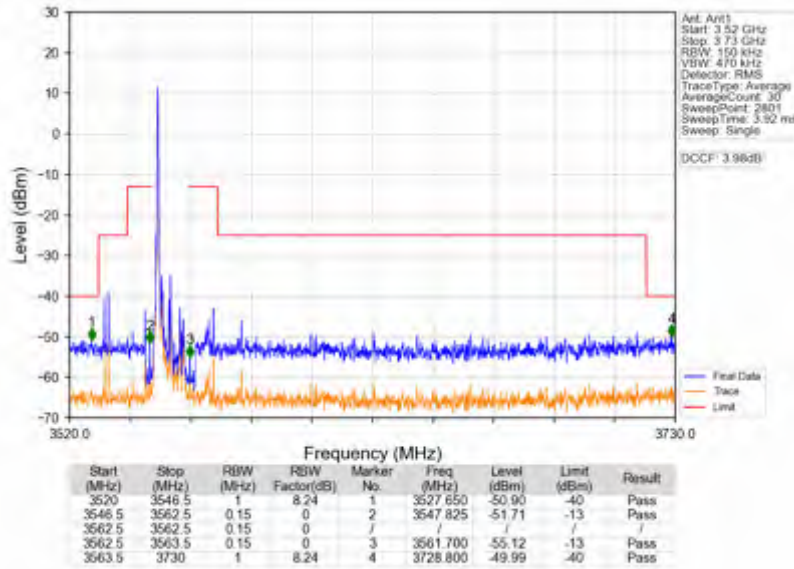
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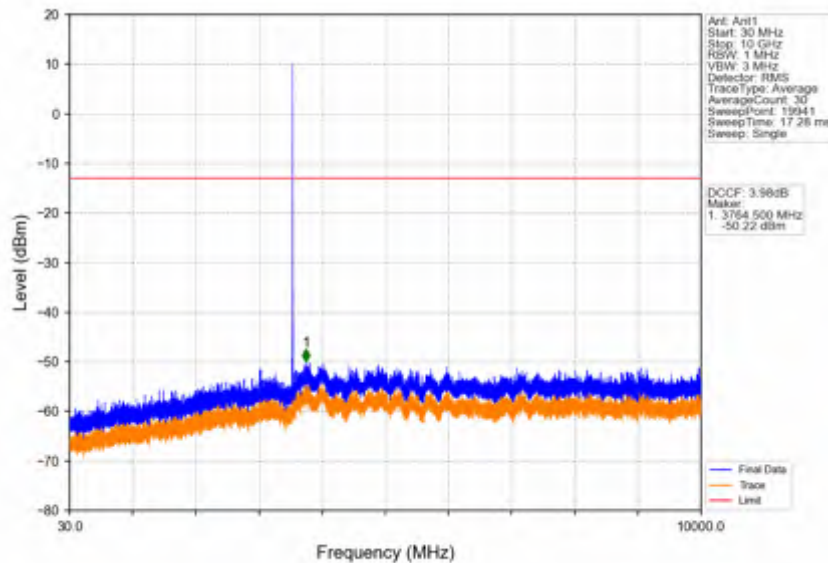
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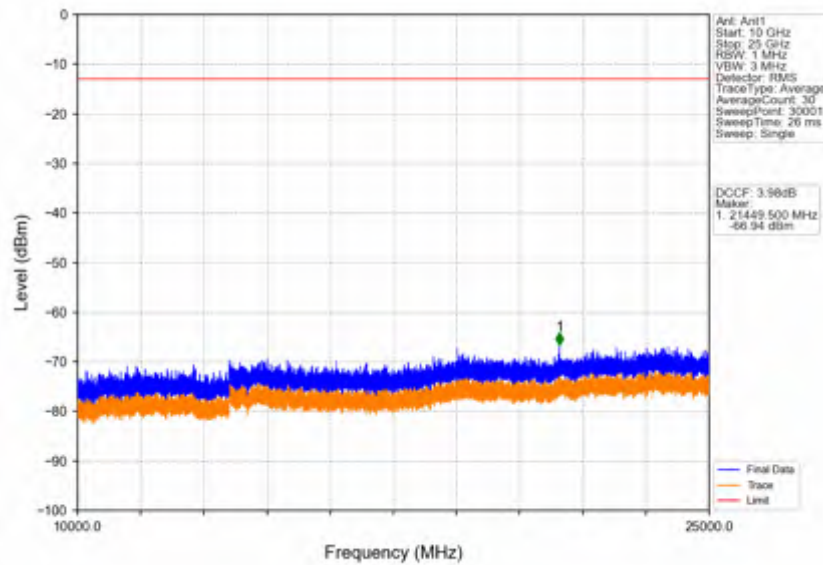


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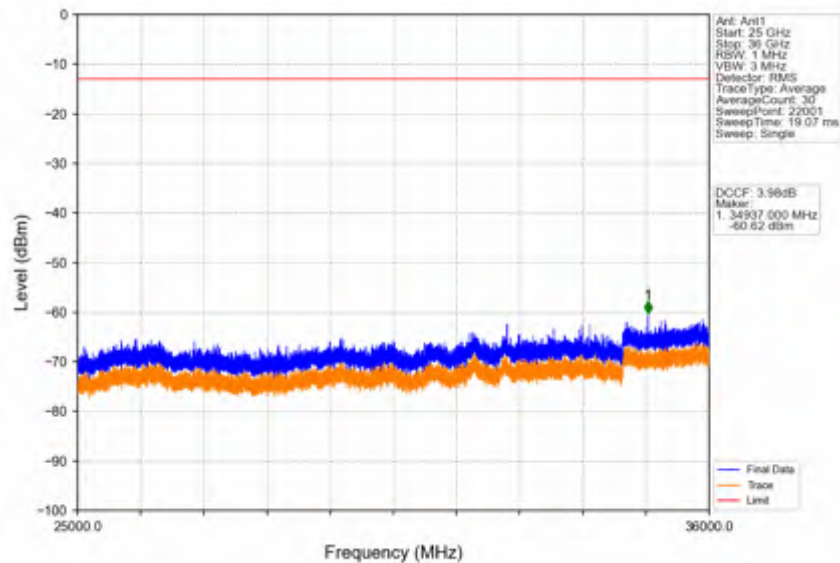
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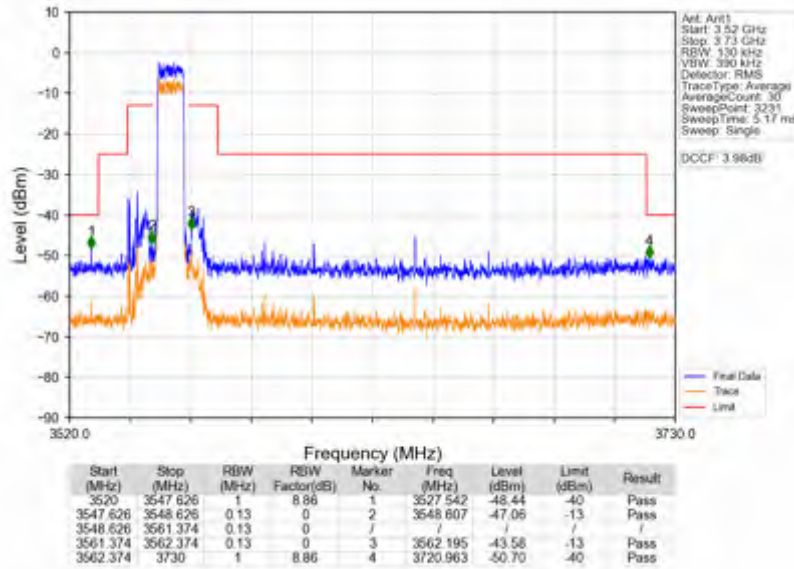
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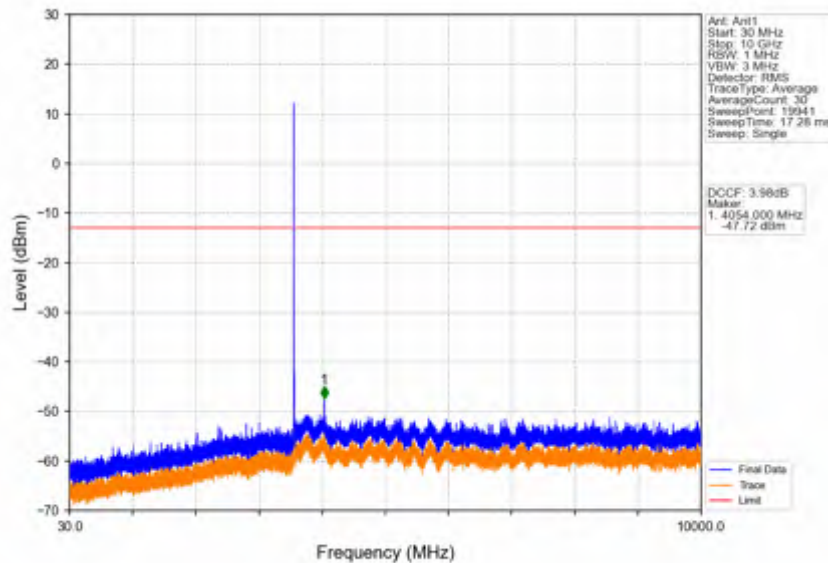
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Band42c_10MHz_64QAM_LCH_3555MHz_RB_50_0_NTNV



Band42c_10MHz_64QAM_MCH_3575MHz_RB_1_0_NTNV



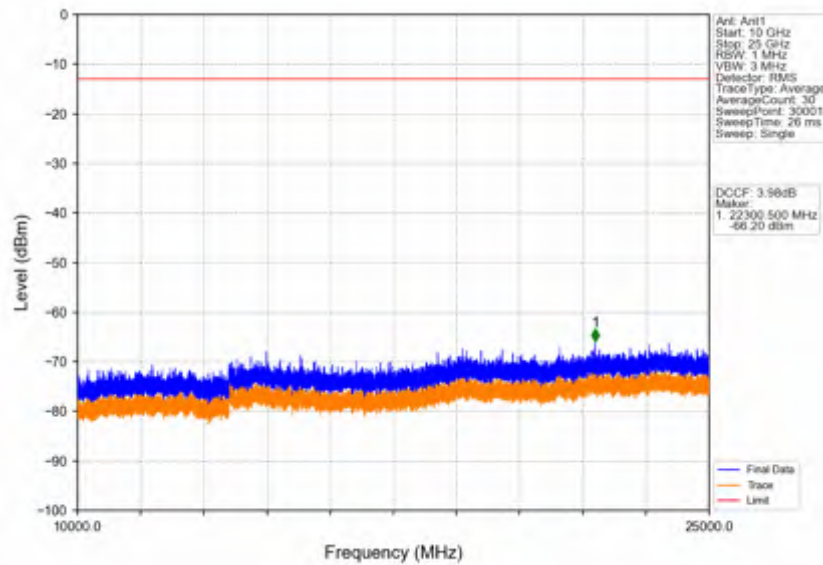
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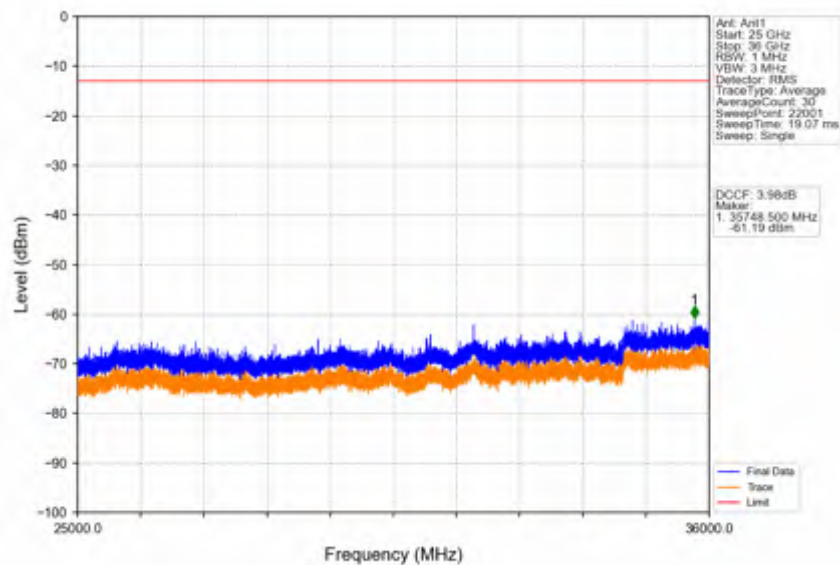
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Band42c_10MHz_64QAM_MCH_3575MHz_RB_1_0_NTNV



Band42c_10MHz_64QAM_MCH_3575MHz_RB_1_0_NTNV



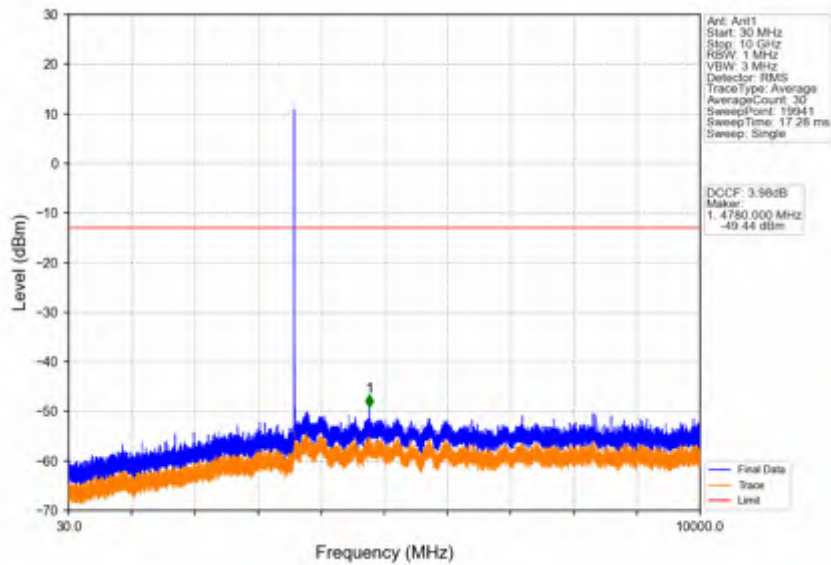
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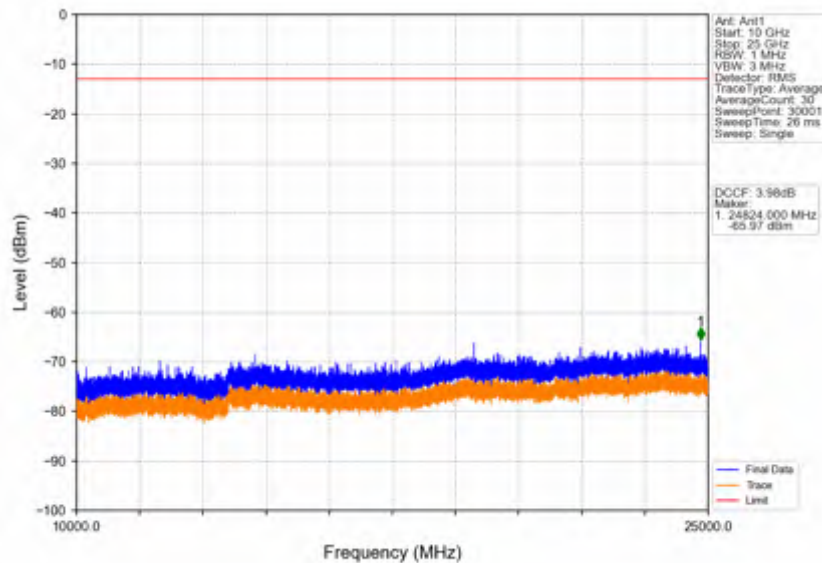
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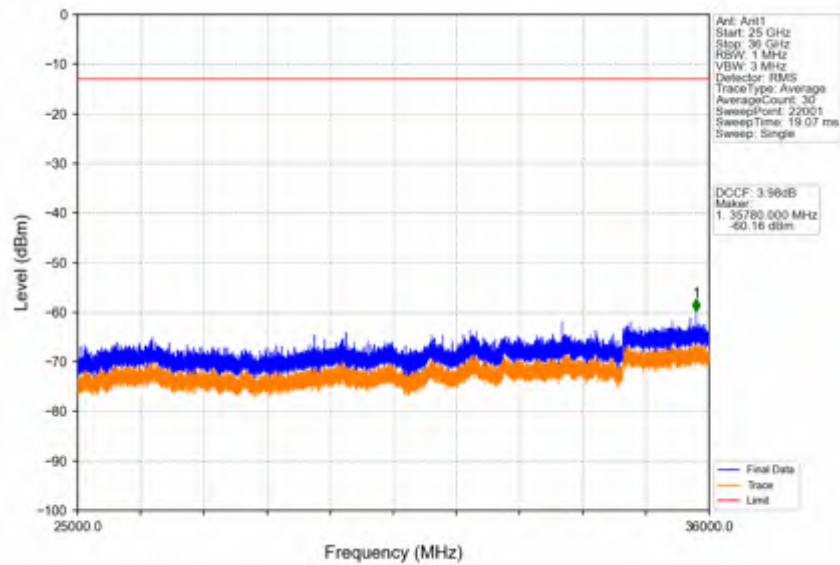
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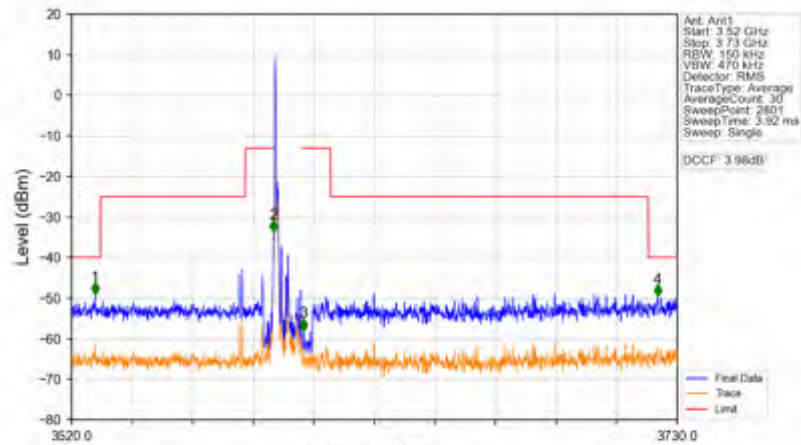
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Band42c_10MHz_64QAM_HCH_3595MHz_RB_1_0_NTNV



Band42c_10MHz_64QAM_HCH_3595MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3586.5	1	8.24	1	3528.100	-49.17	-40	Pass
3586.5	3602.5	0.15	0	2	3590.050	-33.83	-13	Pass
3602.5	3602.5	0.15	0	3	3600.400	-58.07	-13	Pass
3602.5	3603.5	0.15	0	3	3600.400	-58.07	-13	Pass
3603.5	3730	1	8.24	4	3723.175	-49.71	-40	Pass



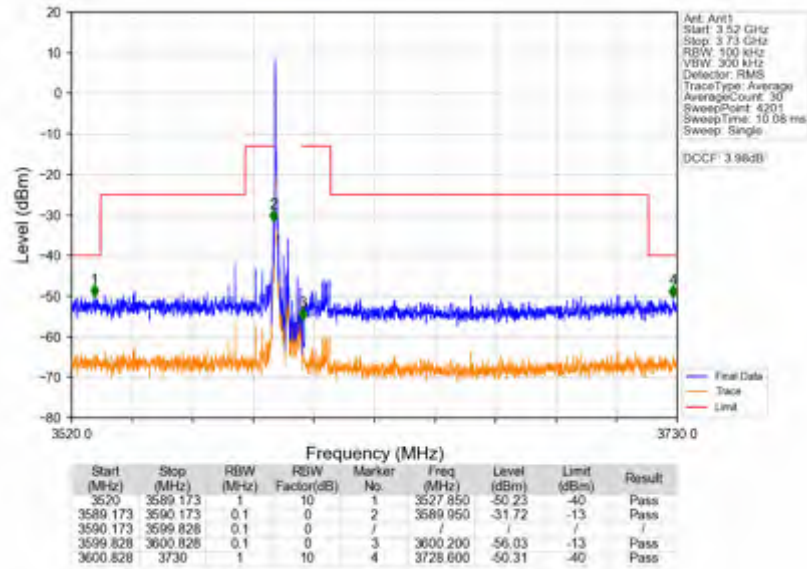
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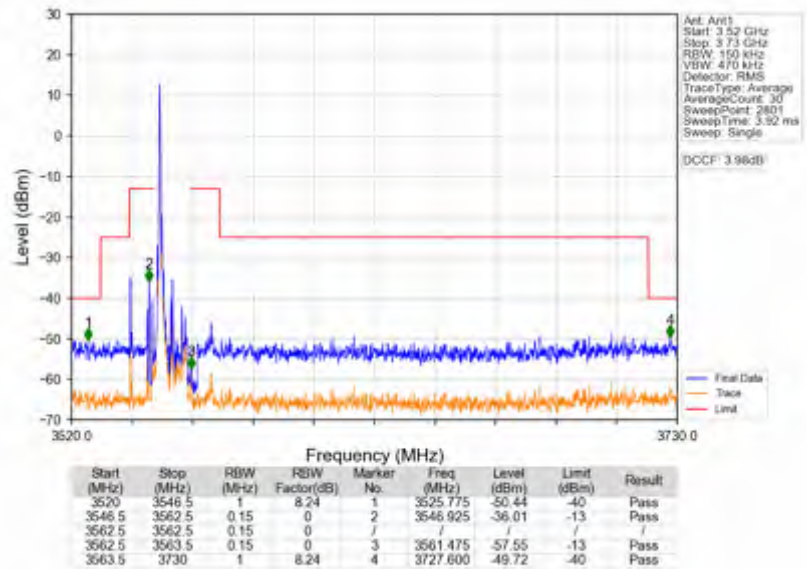
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Band42c_10MHz_256QAM_LCH_3555MHz_RB_1_0_NTNV

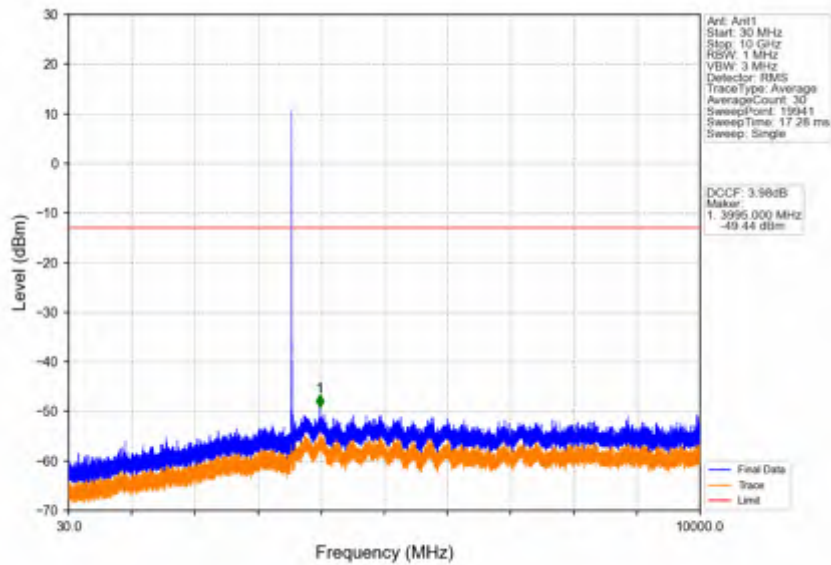


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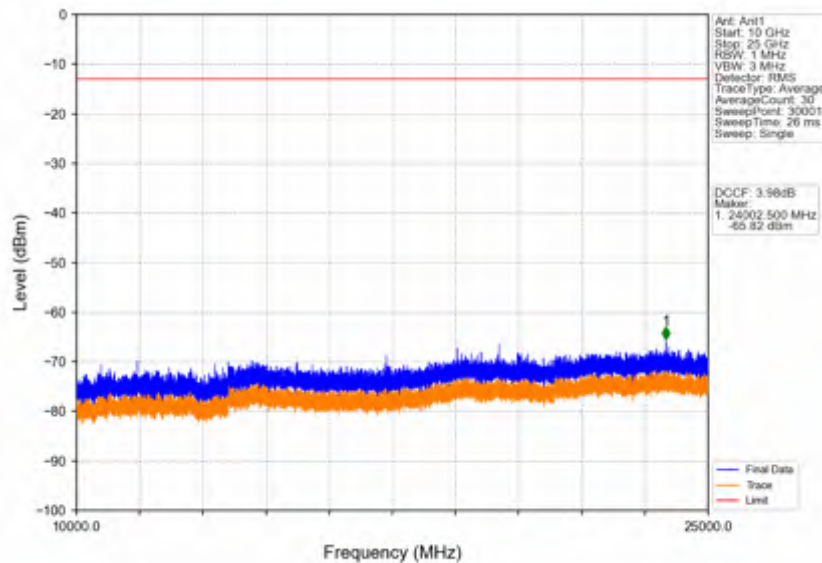
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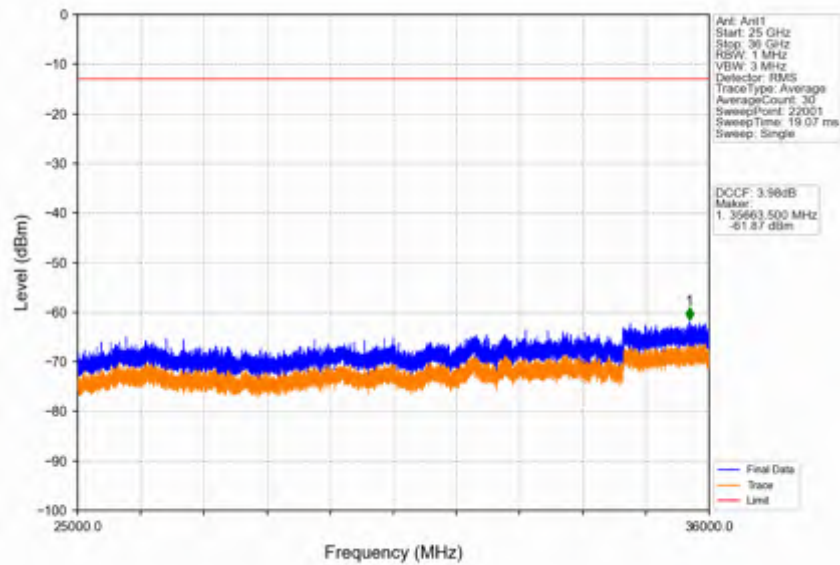
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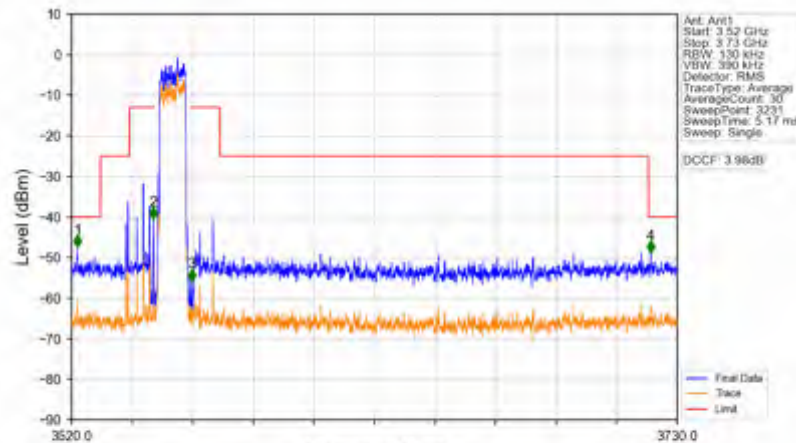
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Band42c_10MHz_256QAM_LCH_3555MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3547.543	1	8.86	1	3522.080	-47.55	-40	Pass
3547.543	3548.543	0.13	0	2	3548.412	-40.57	-13	Pass
3548.543	3561.458	0.13	0	3	3561.610	-55.90	-13	Pass
3561.458	3562.458	0.13	0	3	3561.610	-55.90	-13	Pass
3562.458	3730	1	8.86	4	3720.768	-48.91	-40	Pass

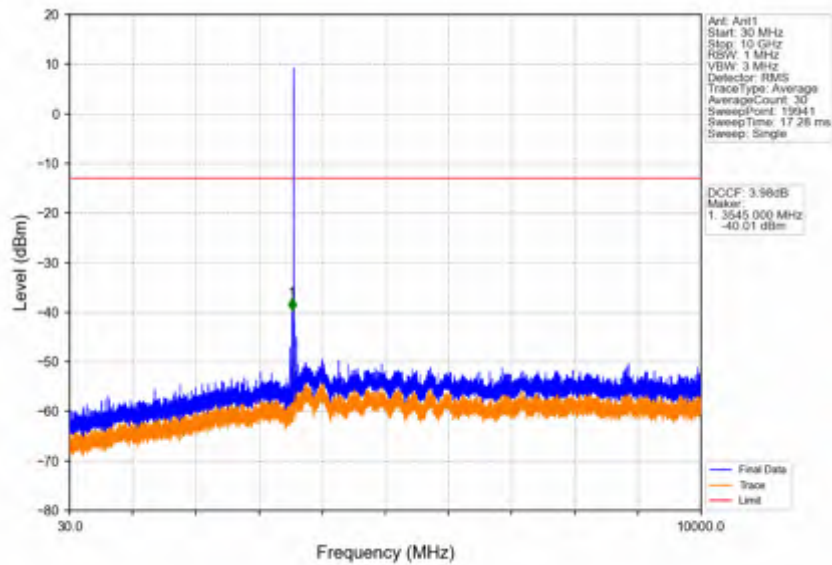


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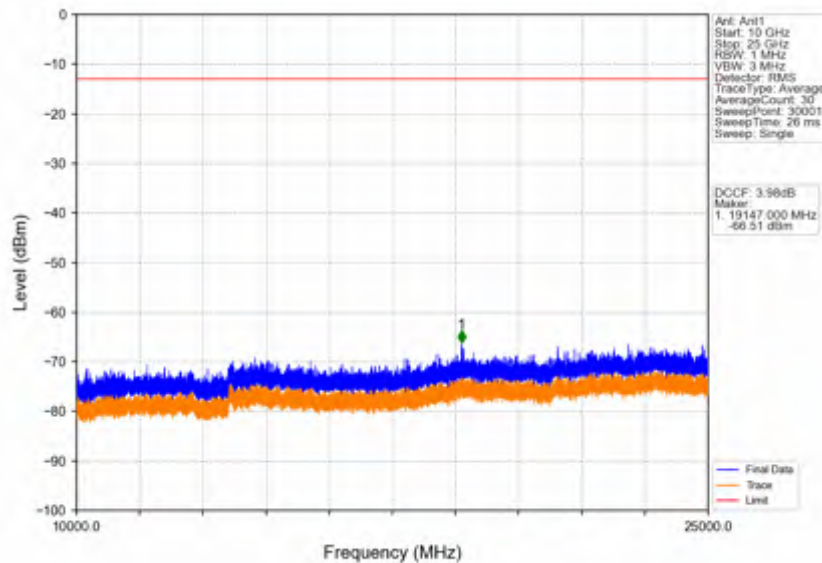
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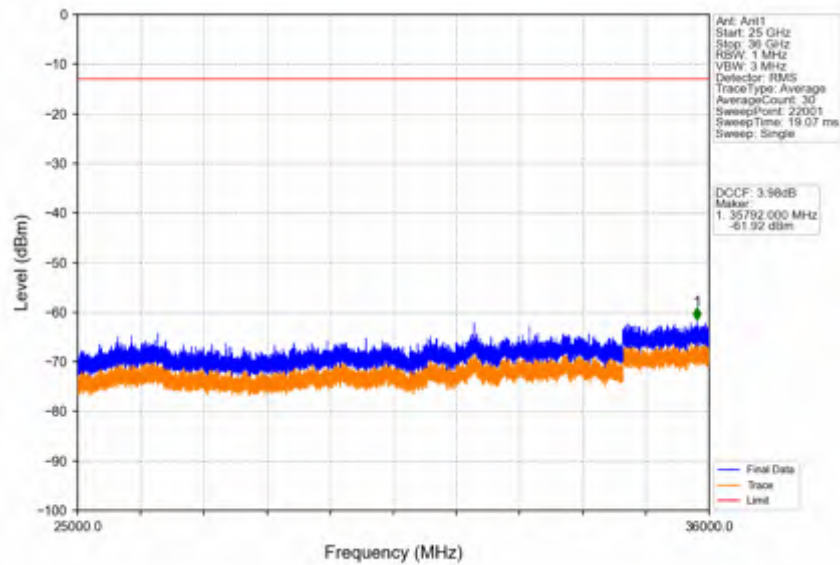
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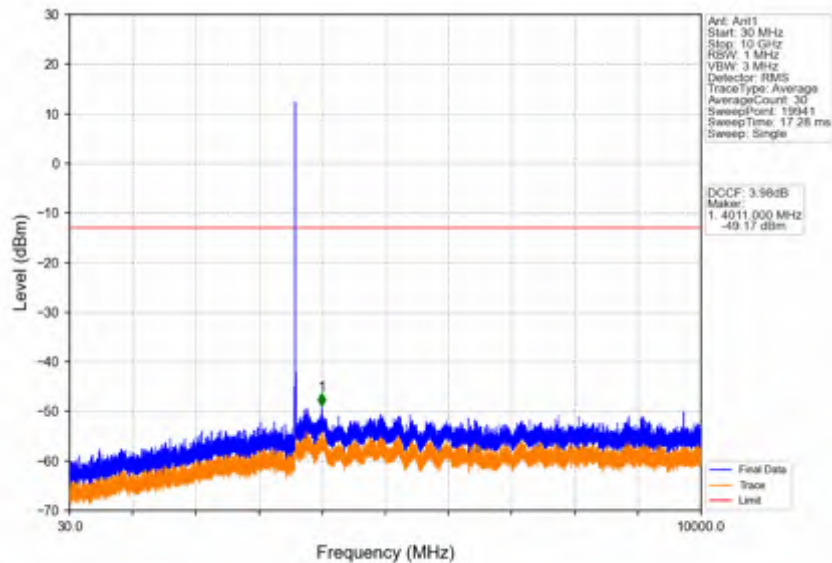
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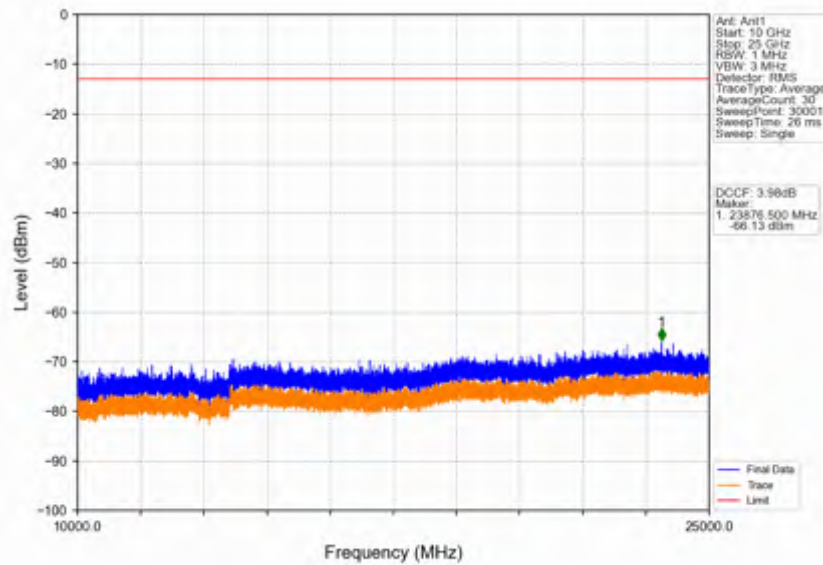


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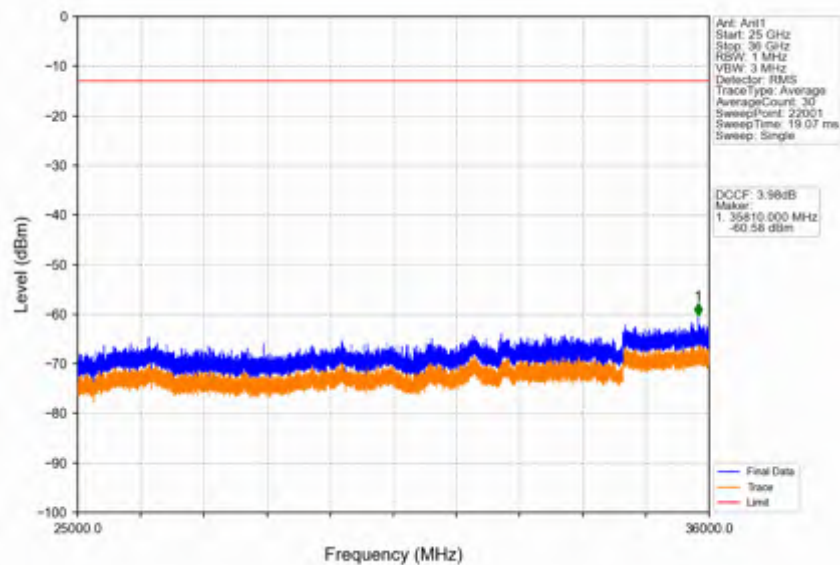
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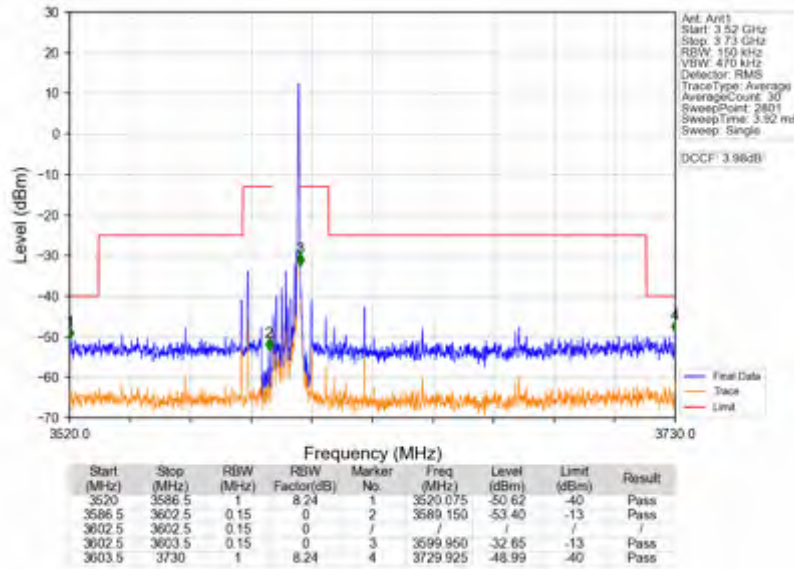


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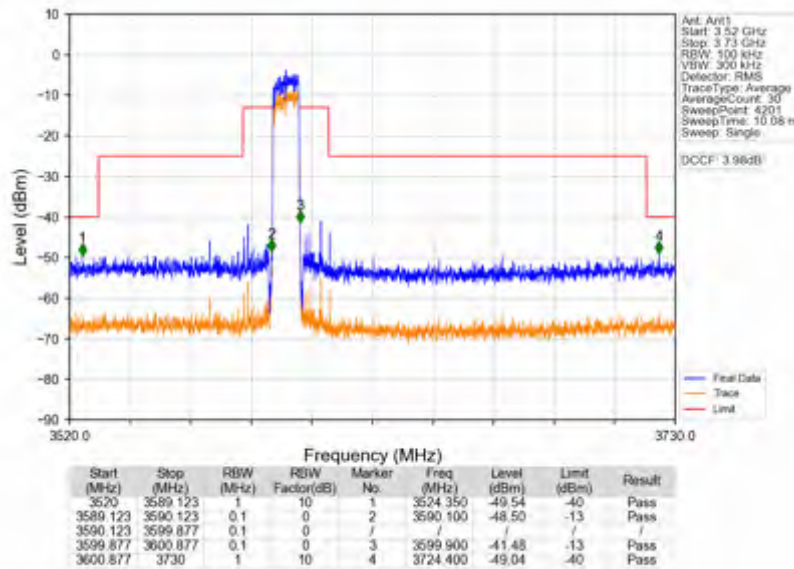
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12.3 B42c_15MHz

12.3.1 Test Result

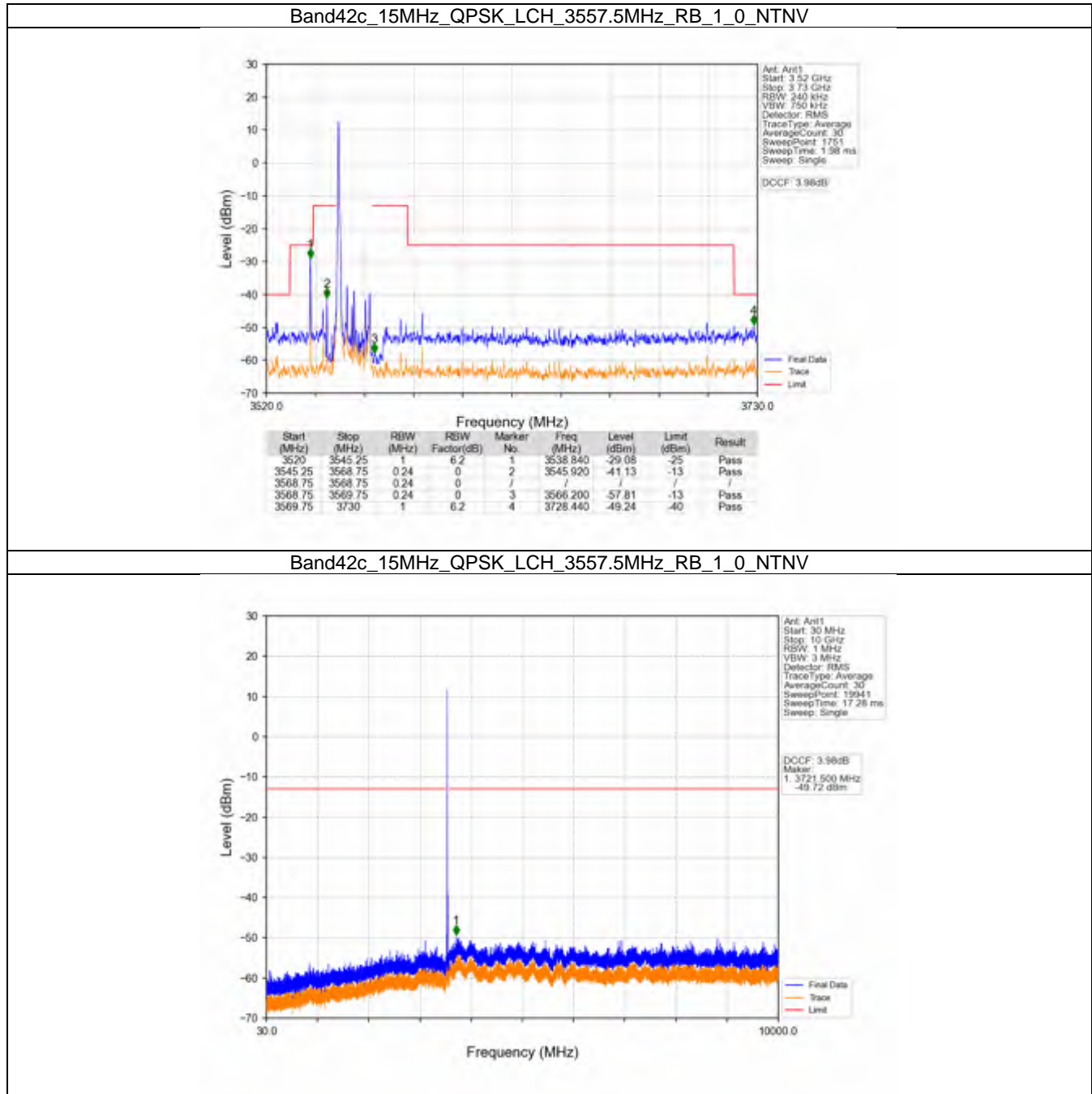
Band: 42c / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3592.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3592.5	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
	3592.5	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
	3592.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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12.3.2 Test Graph

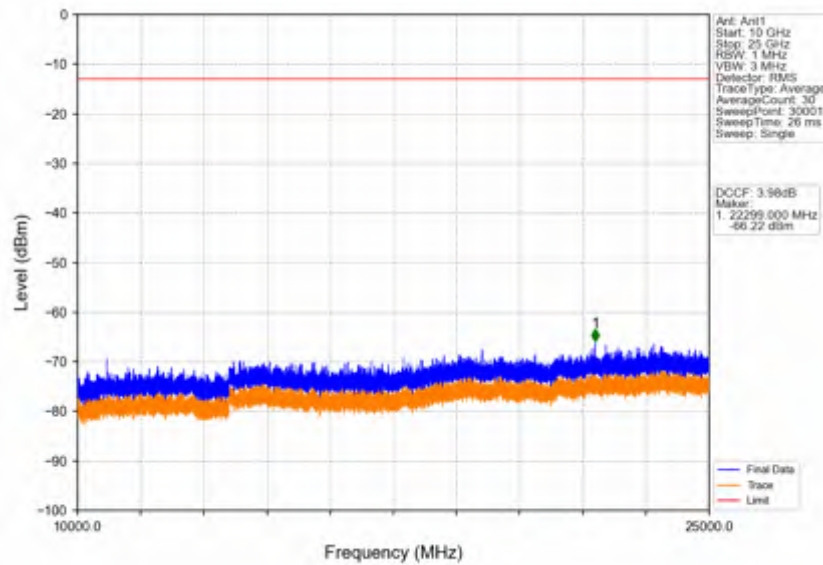


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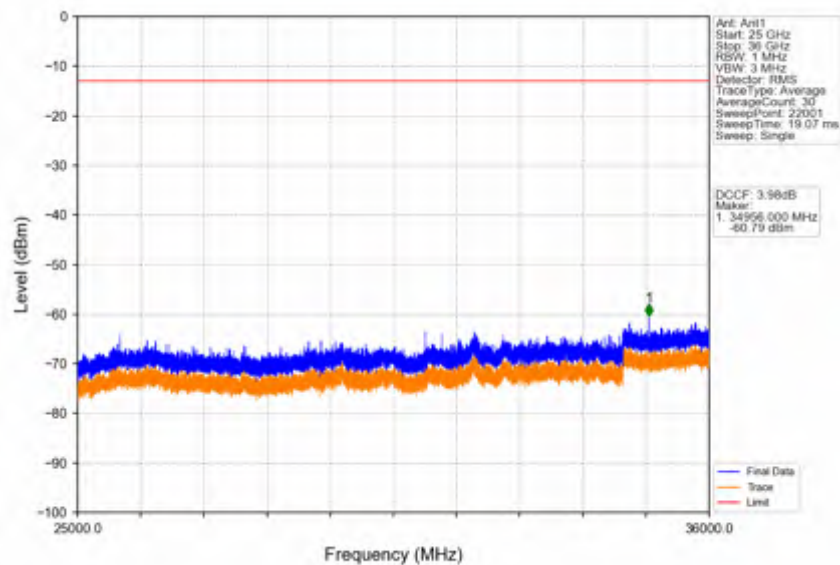
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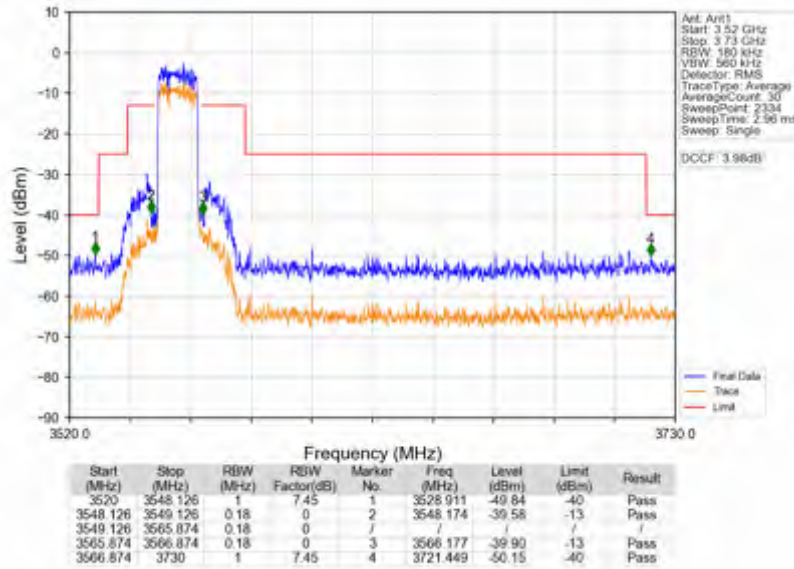
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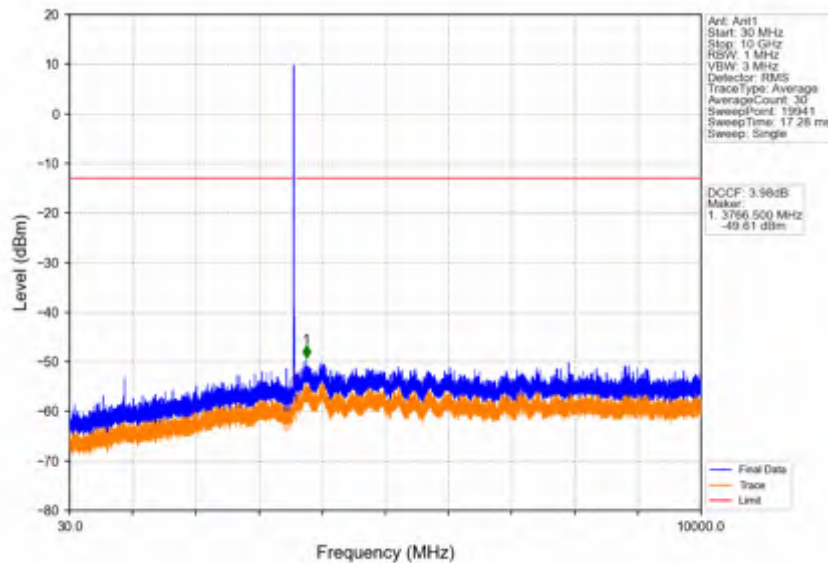
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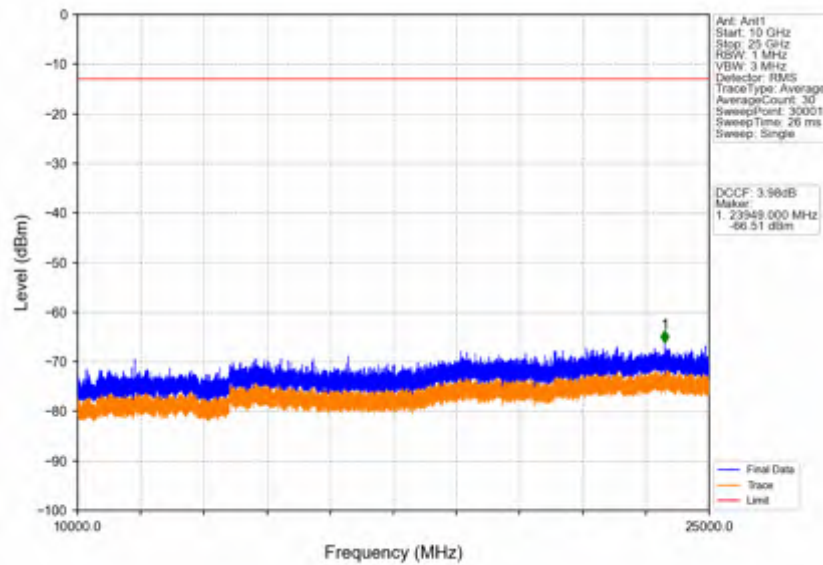


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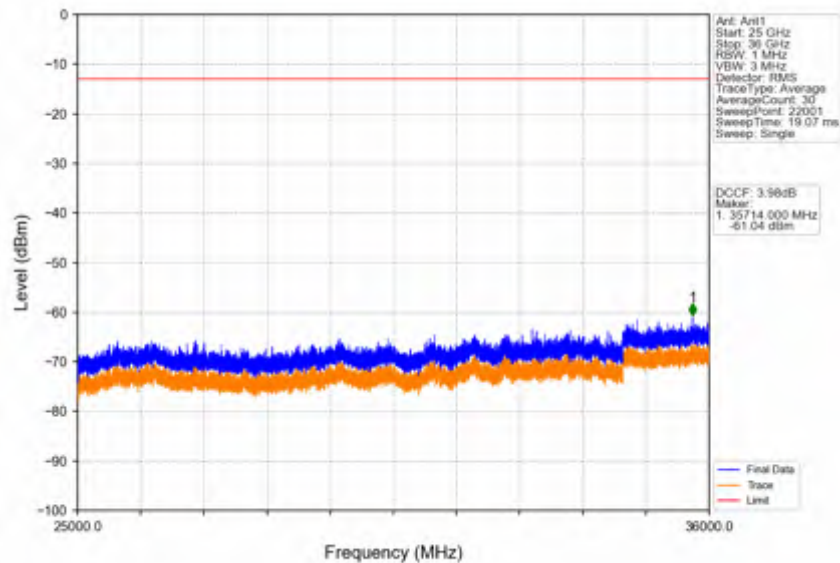
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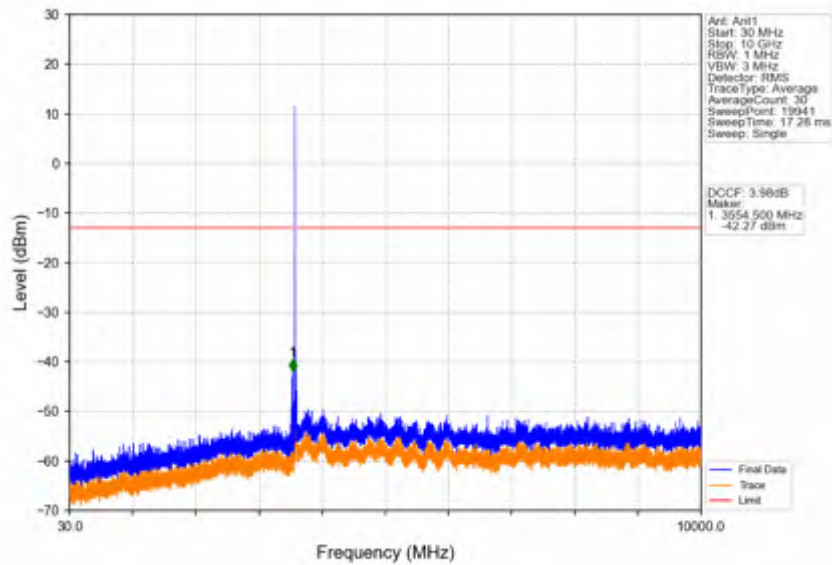
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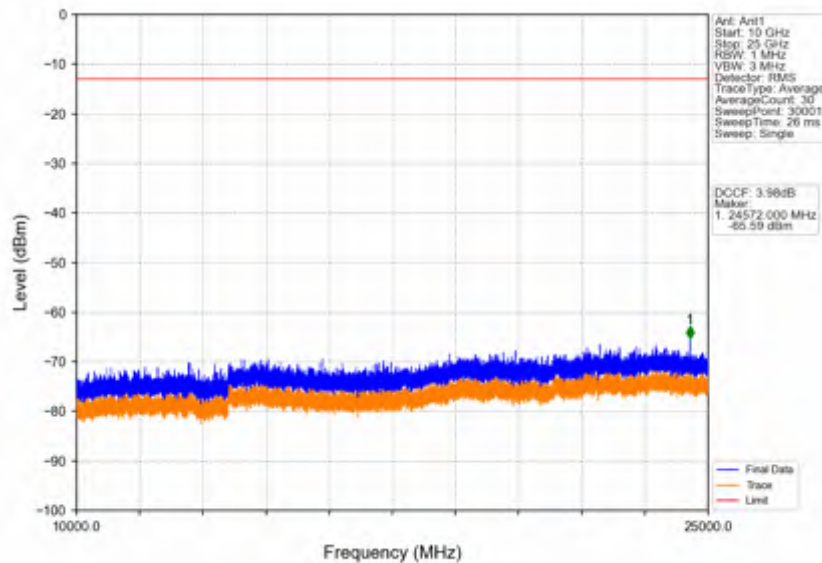
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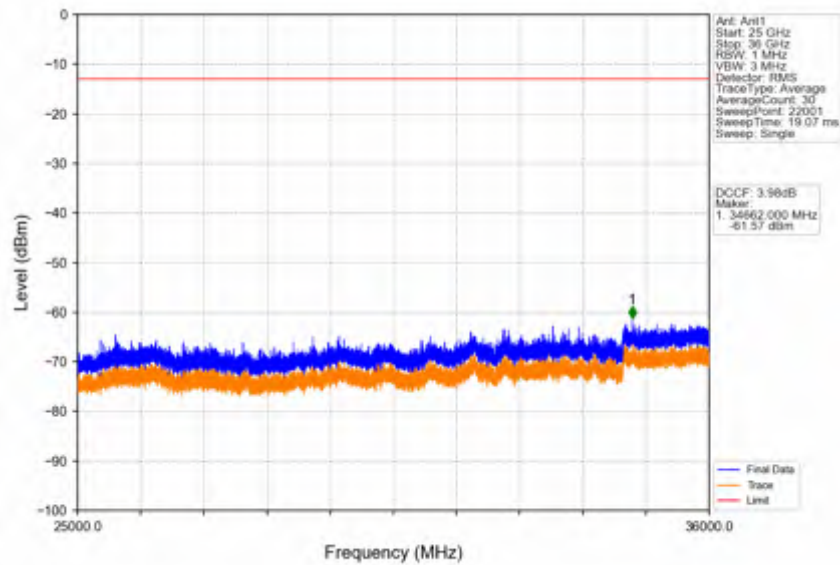
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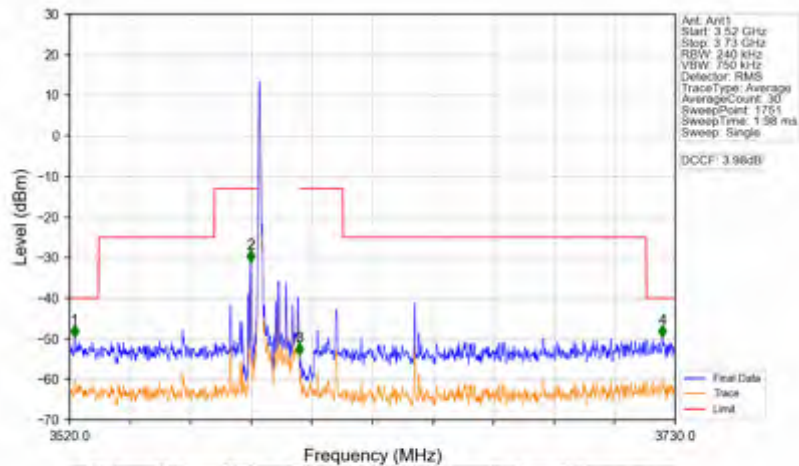
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Band42c_15MHz_QPSK_HCH_3592.5MHz_RB_1_74_NTNV



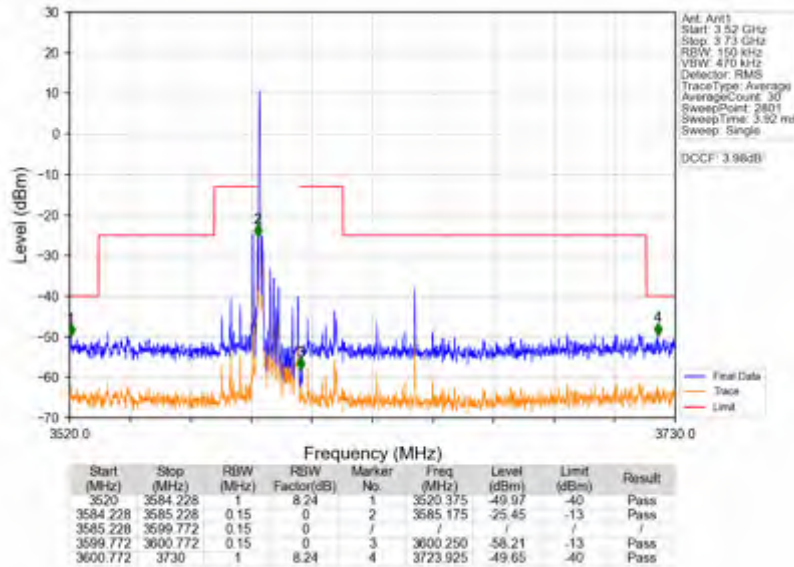
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3560	25	1	1	3521.680	-49.75	-40	Pass
3580	3603	75	0.24	2	3582.760	-31.19	-13	Pass
3603	3603	75	0.24	3	3599.800	-54.13	-13	Pass
3604	3730	75	1	4	3725.560	-49.75	-40	Pass



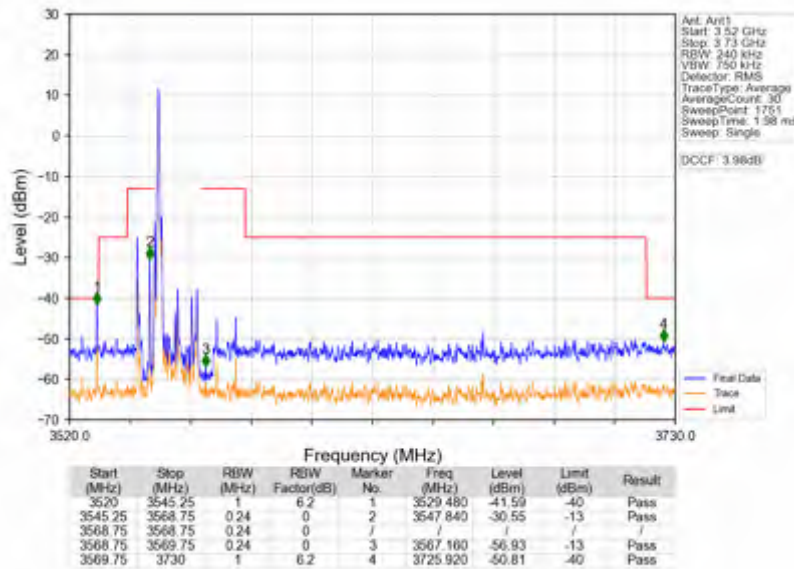
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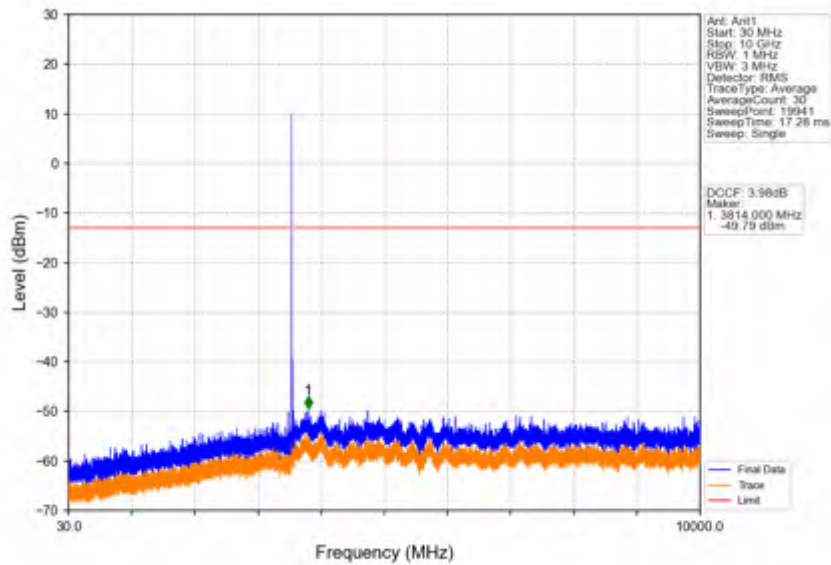
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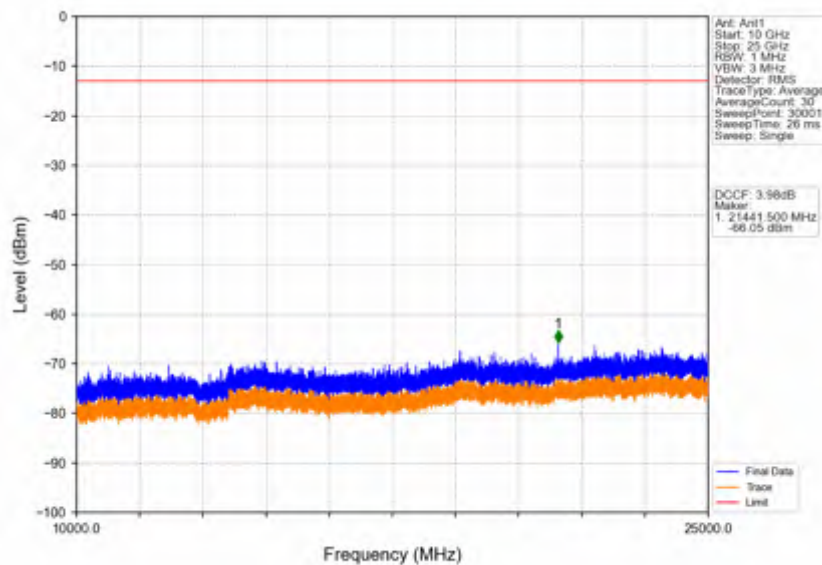
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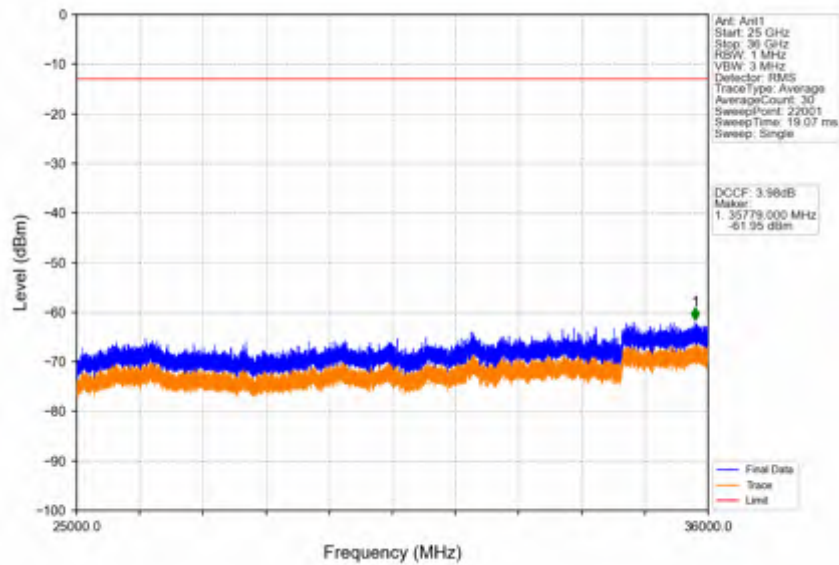
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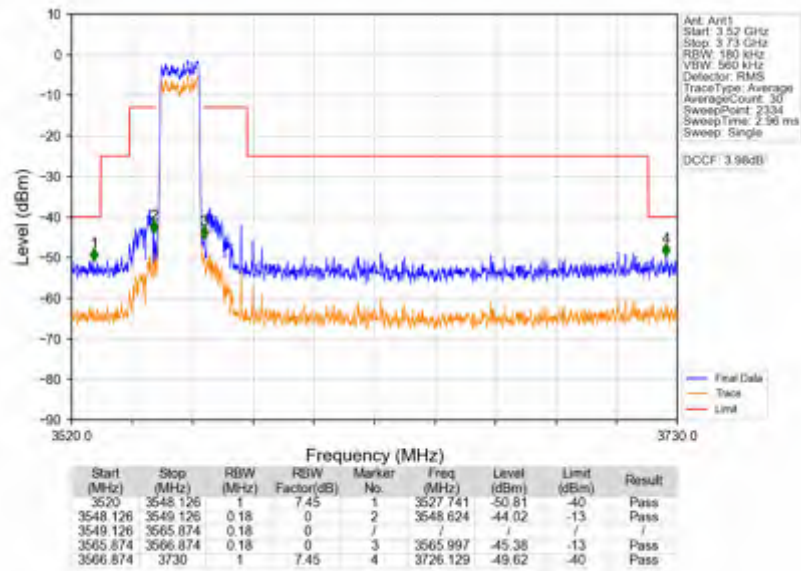
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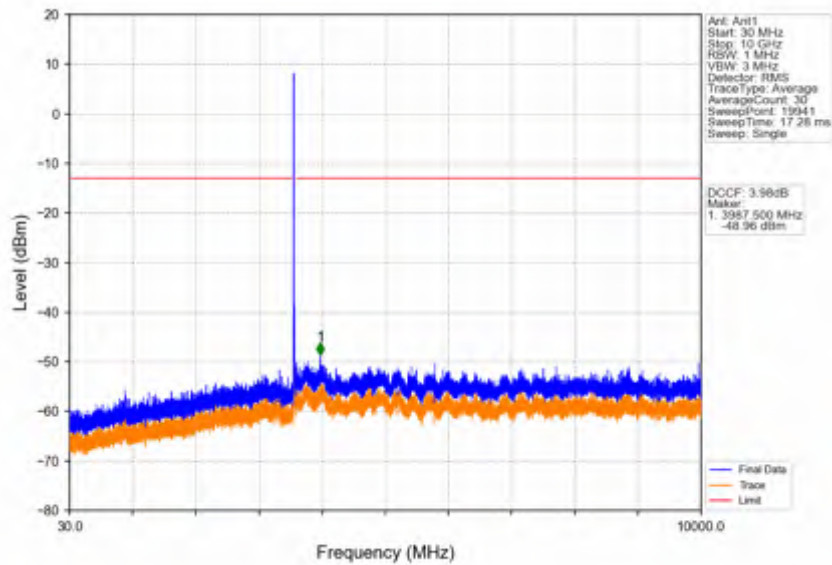
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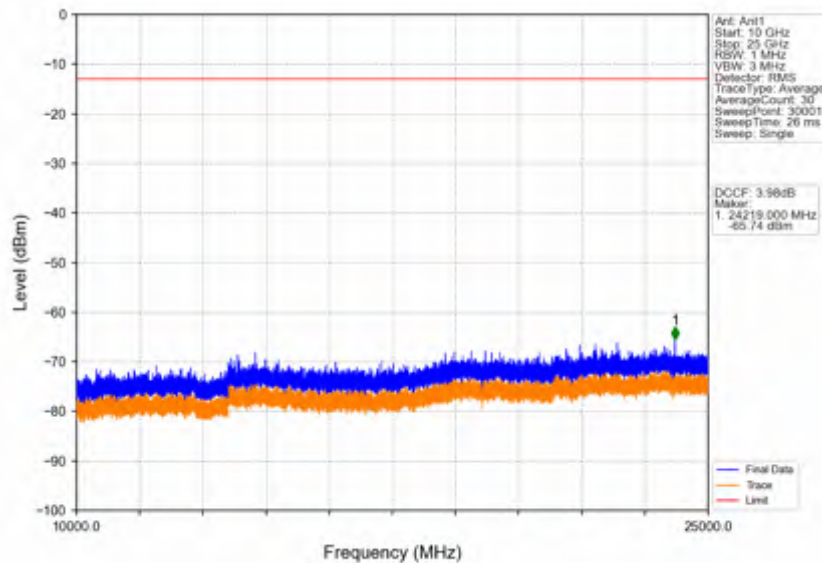
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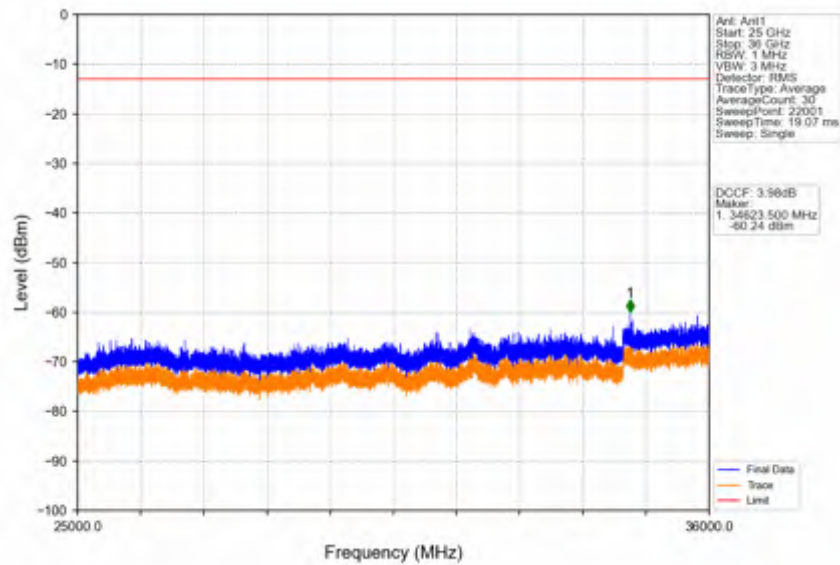
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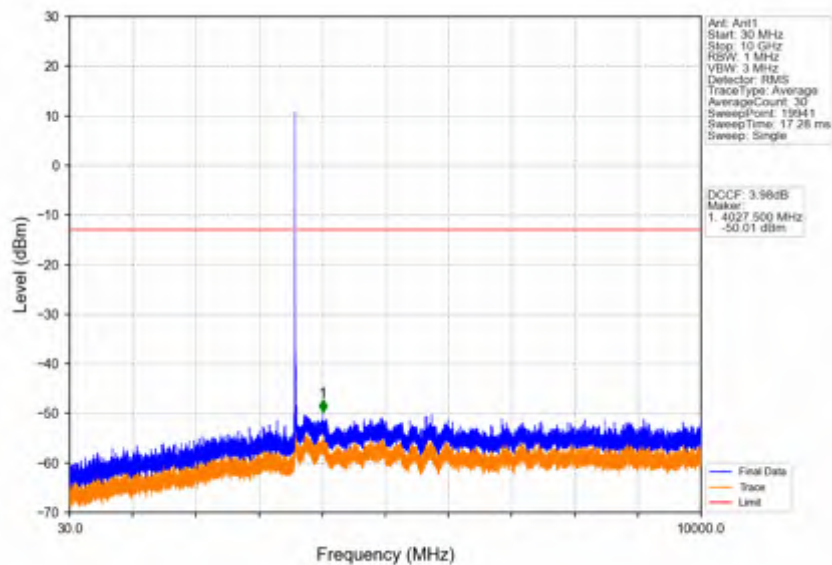
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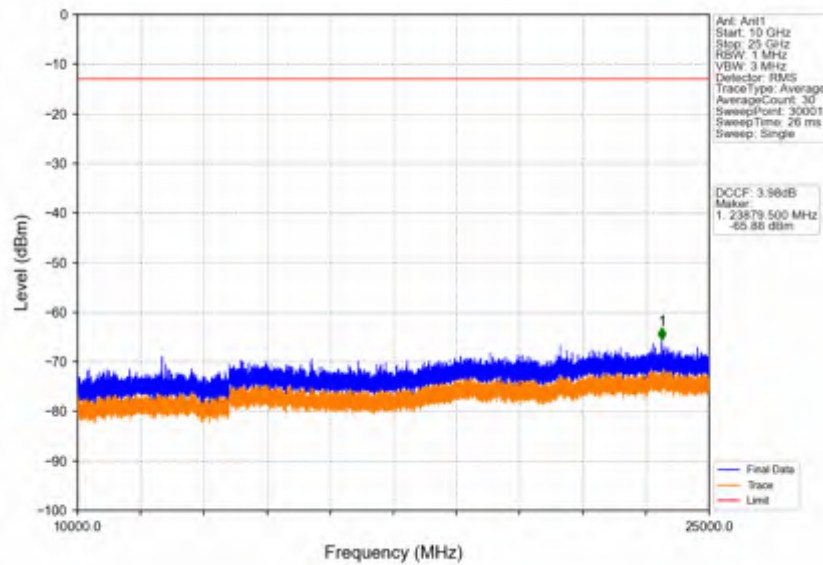


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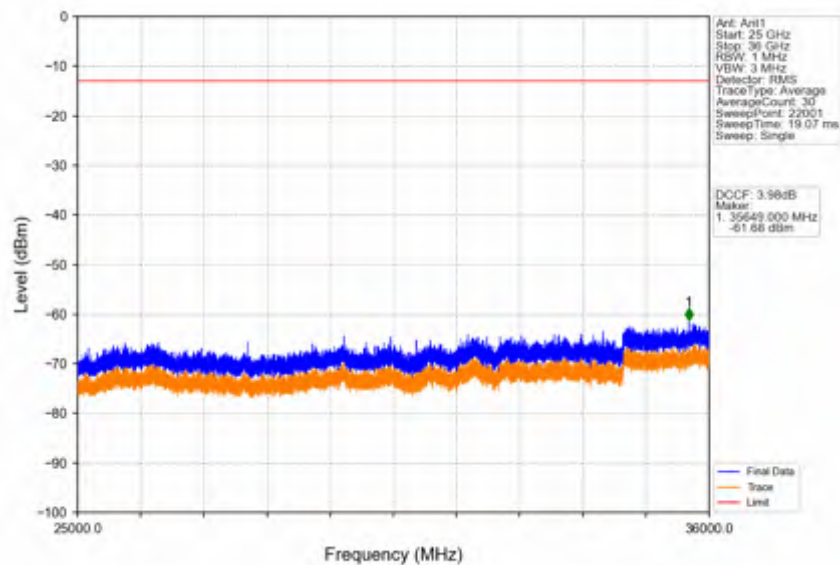
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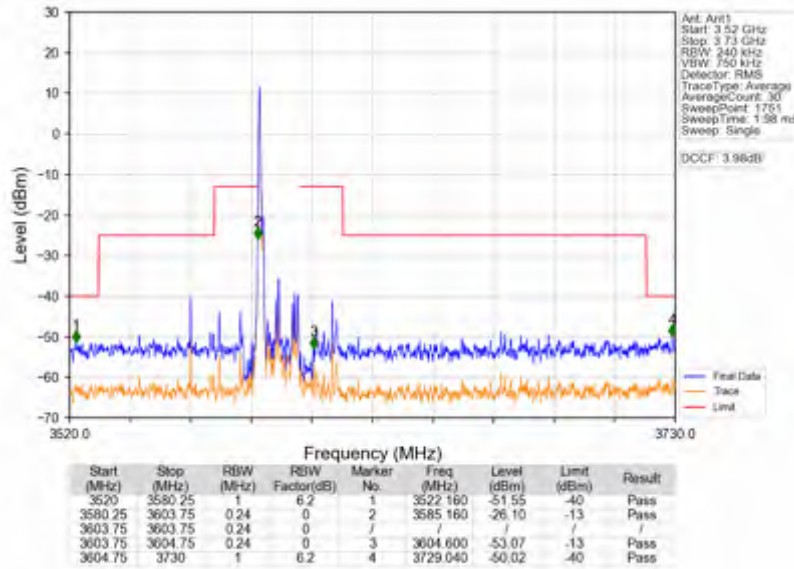
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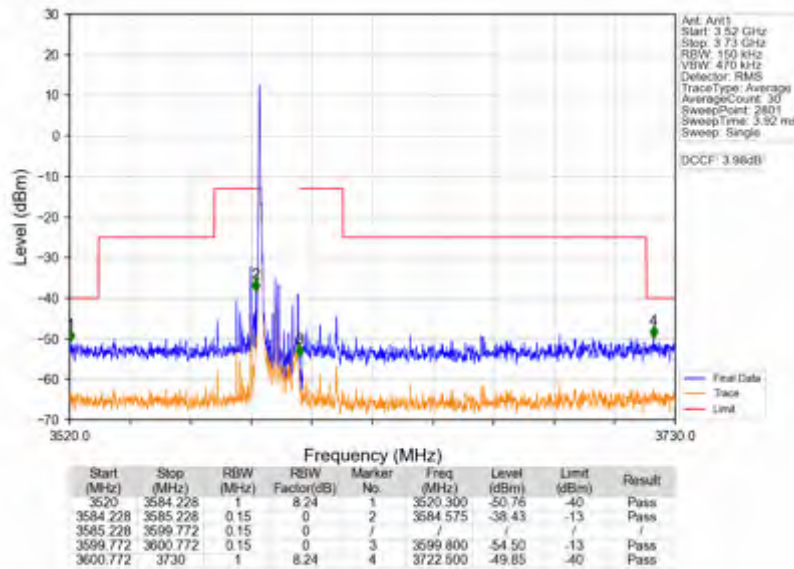
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Band42c_15MHz_16QAM_HCH_3592.5MHz_RB_1_74_NTNV



Band42c_15MHz_16QAM_HCH_3592.5MHz_RB_75_0_NTNV

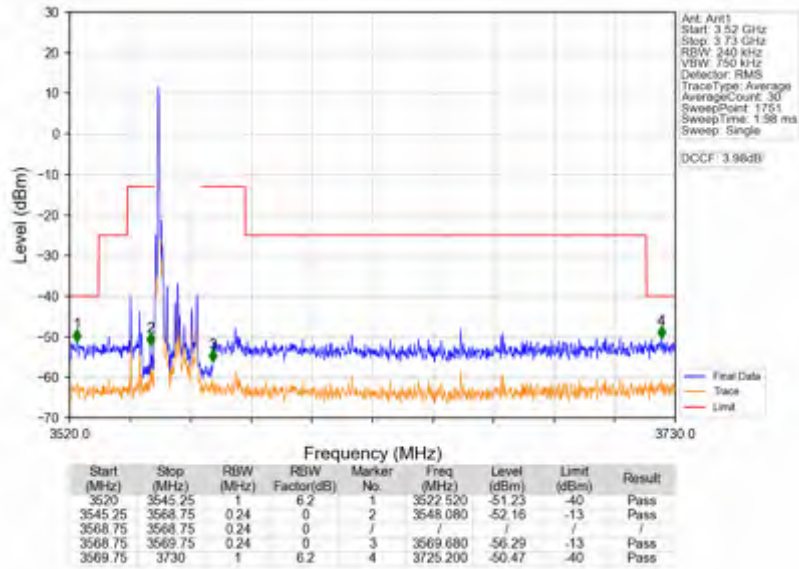


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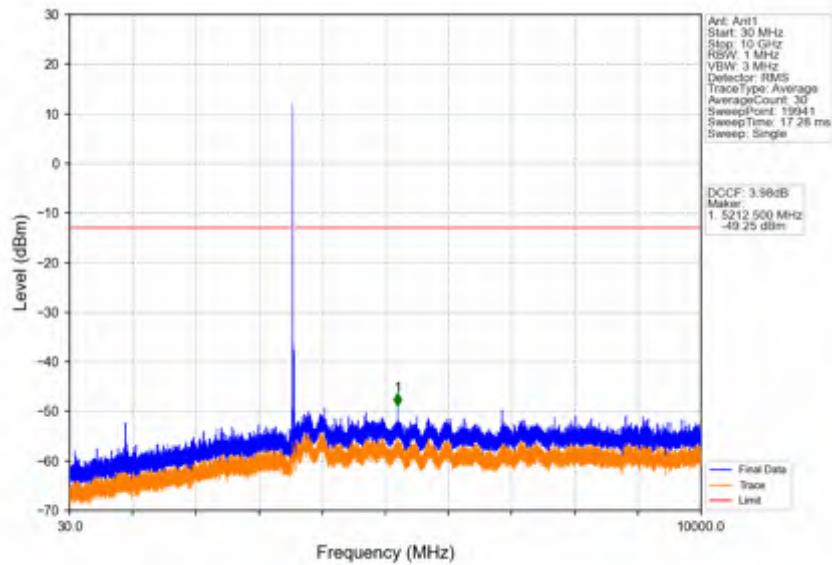
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Band42c_15MHz_64QAM_LCH_3557.5MHz_RB_1_0_NTNV



Band42c_15MHz_64QAM_LCH_3557.5MHz_RB_1_0_NTNV

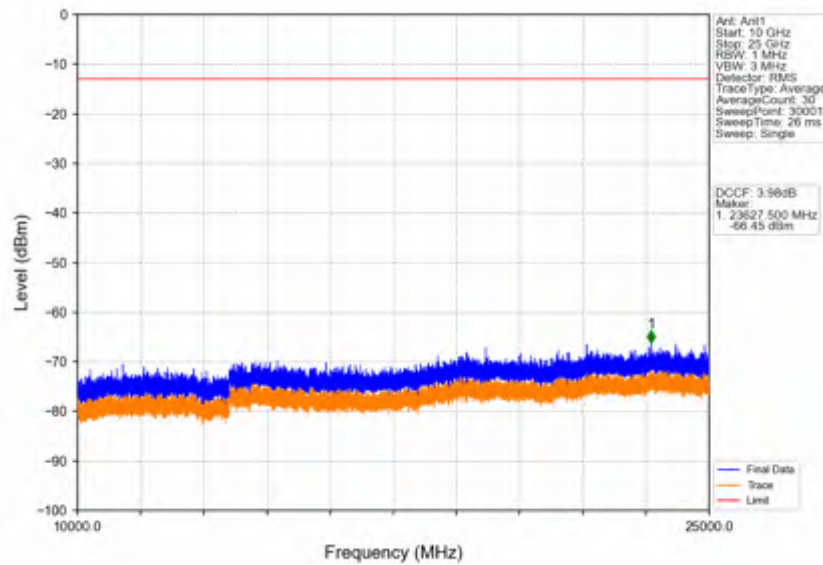


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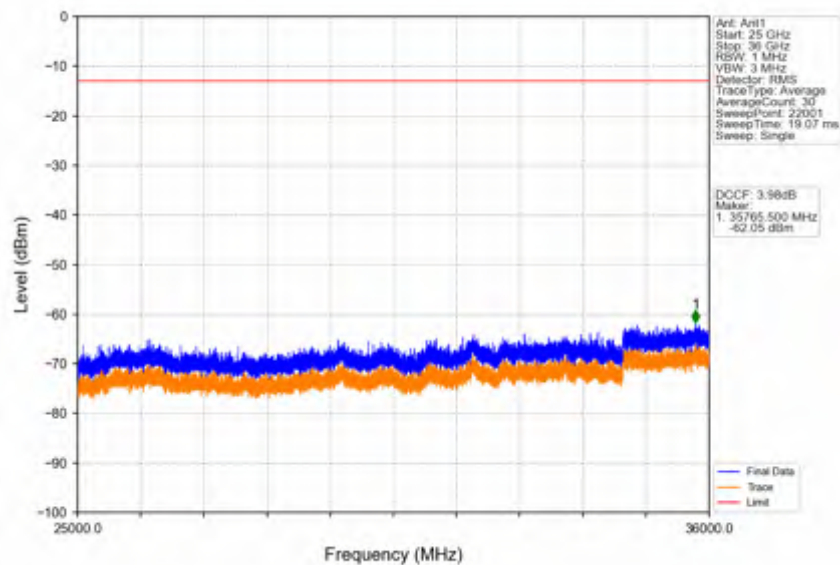
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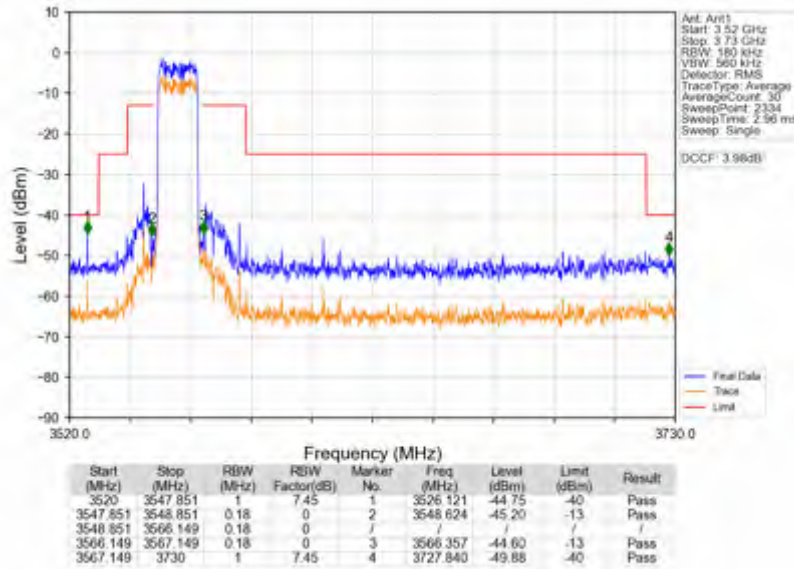
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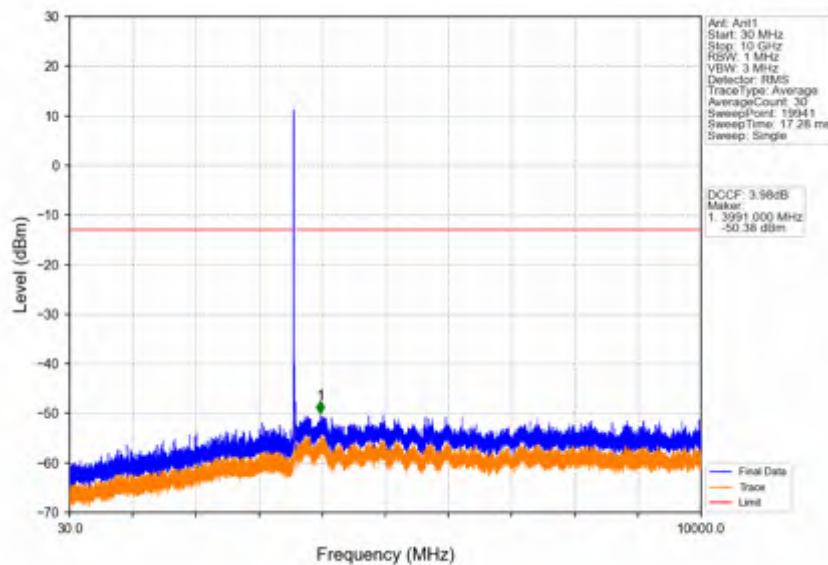
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Band42c_15MHz_64QAM_MCH_3575MHz_RB_1_0_NTNV

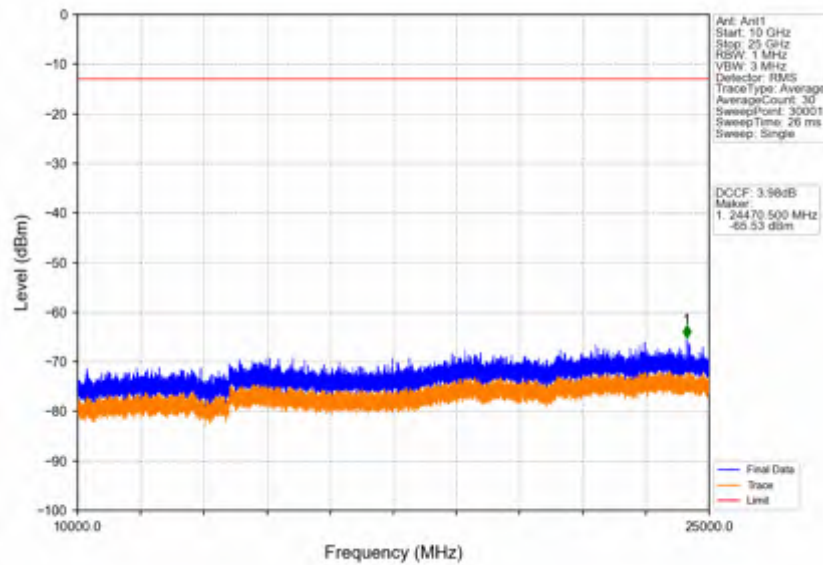


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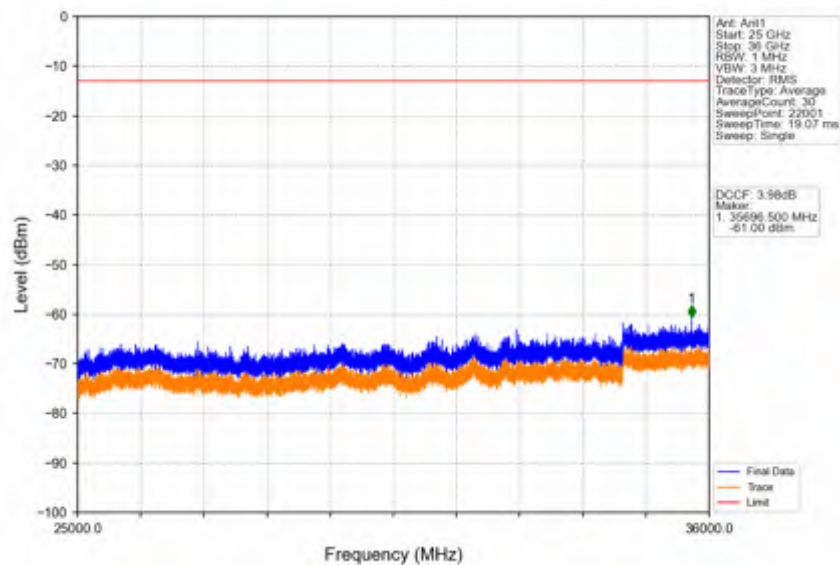
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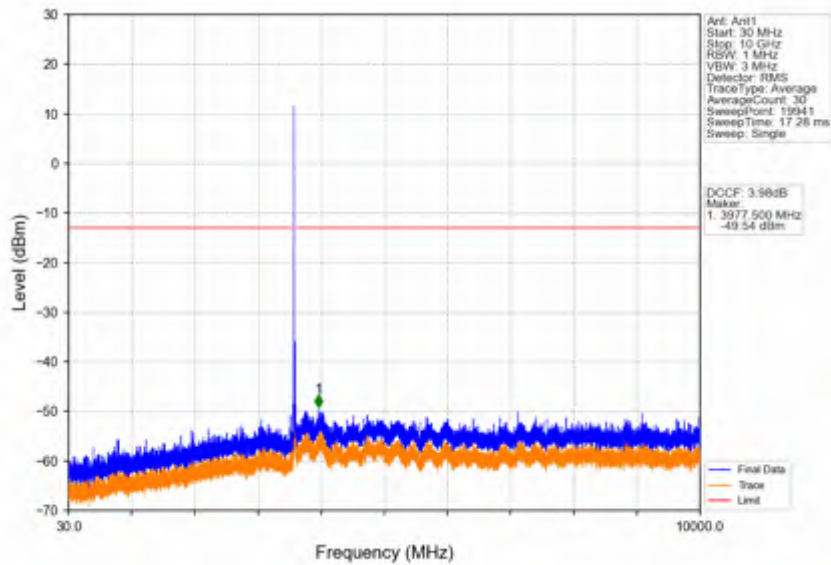
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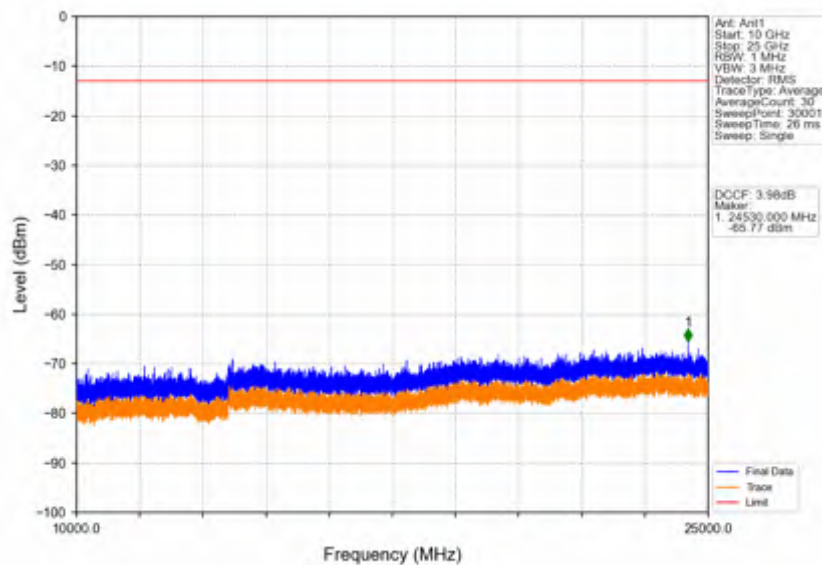
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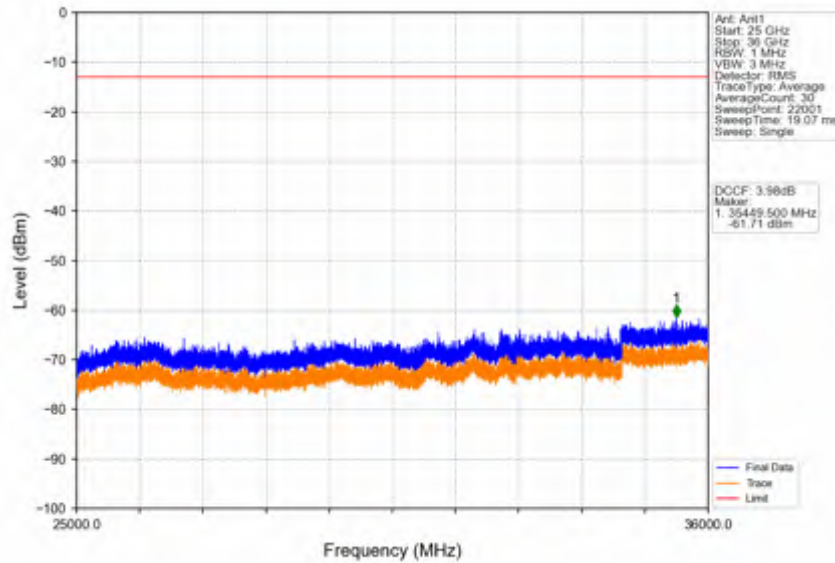
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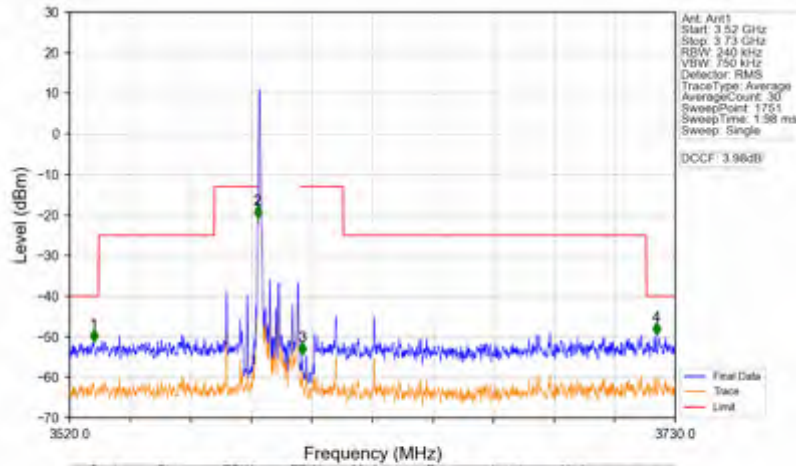
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Band42c_15MHz_64QAM_HCH_3592.5MHz_RB_1_0_NTNV



Band42c_15MHz_64QAM_HCH_3592.5MHz_RB_1_74_NTNV



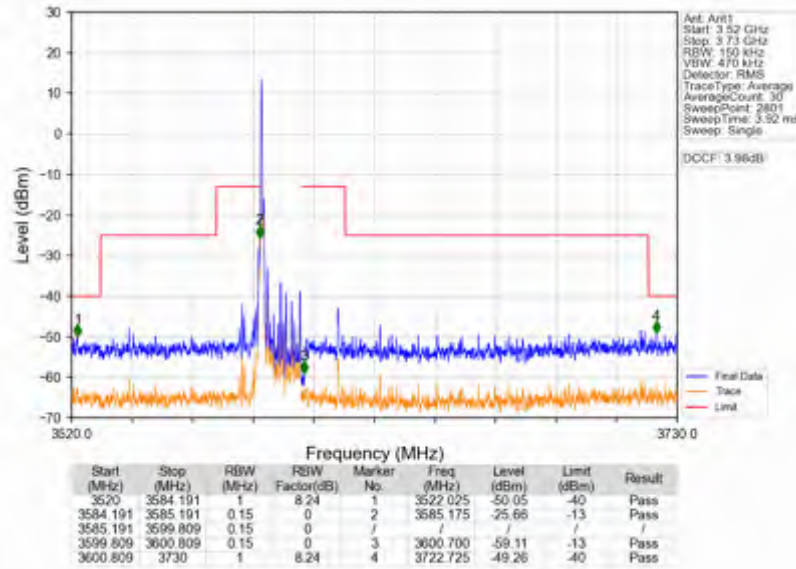
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3560	25	1	6.2	3528.400	-51.27	-40	Pass
3580.25	3603.75	0.24	0	2	3585.160	-20.78	-13	Pass
3603.75	3603.75	0.24	0	/	/	/	/	/
3603.75	3604.75	0.24	0	3	3600.700	-54.44	-13	Pass
3604.75	3730	1	6.2	4	3723.520	-49.56	-40	Pass



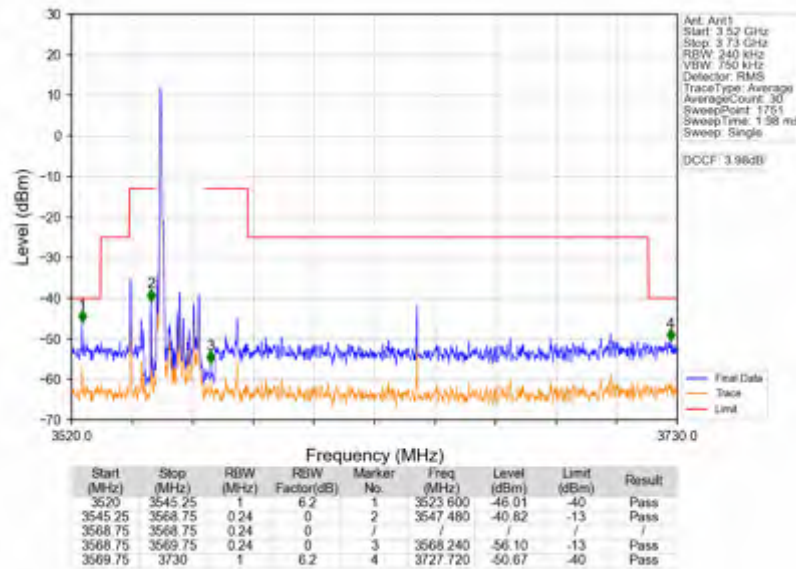
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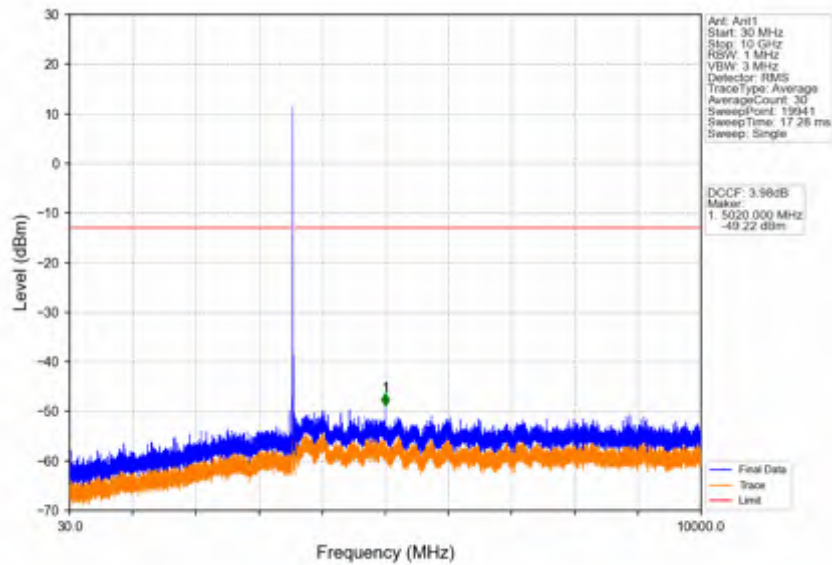
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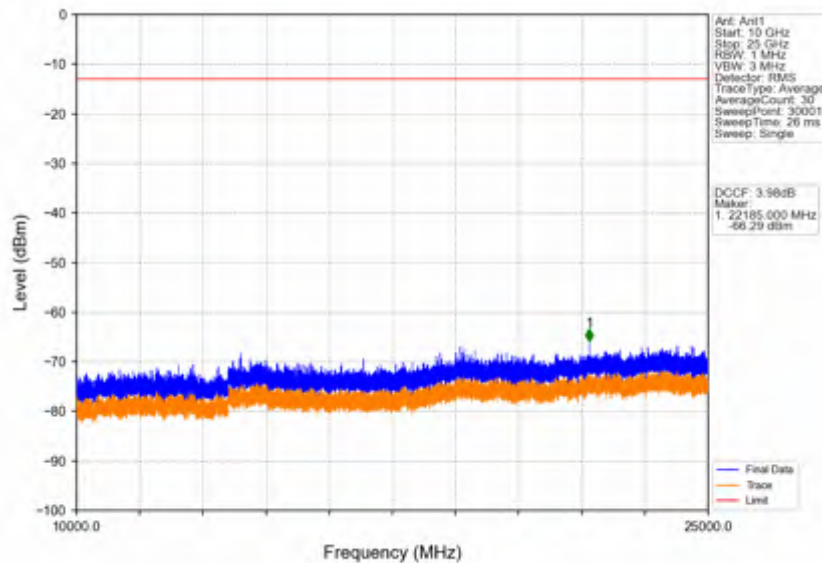
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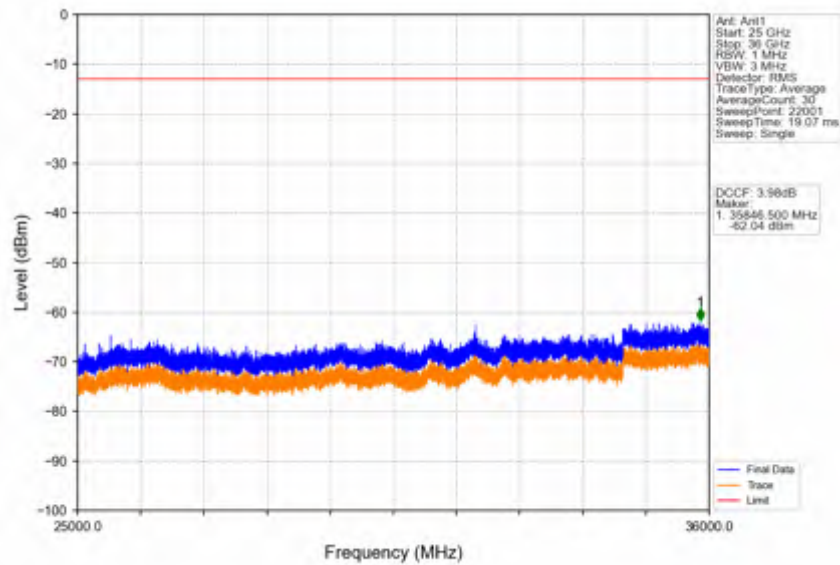


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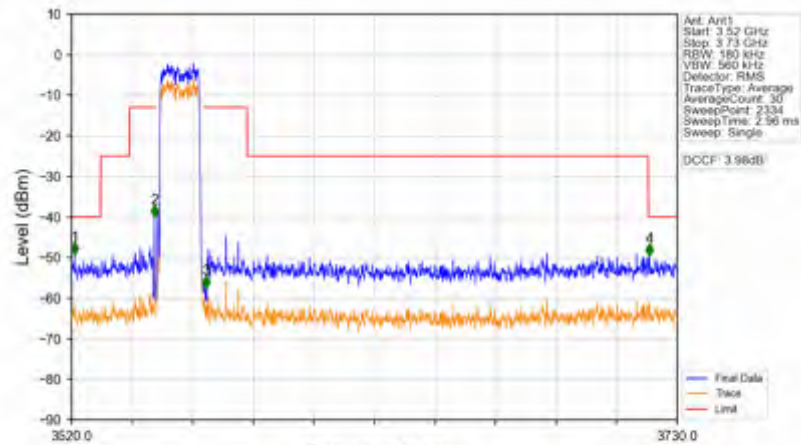
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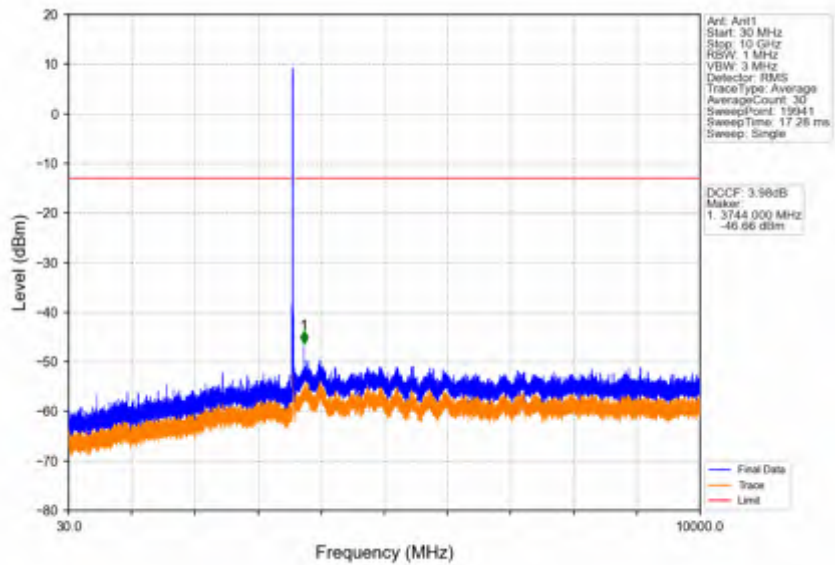
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.088	1	7.45	1	3521.080	-49.31	-40	Pass
3548.088	3549.088	0.18	0	2	3548.804	-40.07	-13	Pass
3549.088	3565.912	0.18	0	3	3566.717	-57.51	-13	Pass
3565.912	3730	1	7.45	4	3720.369	-49.62	-40	Pass



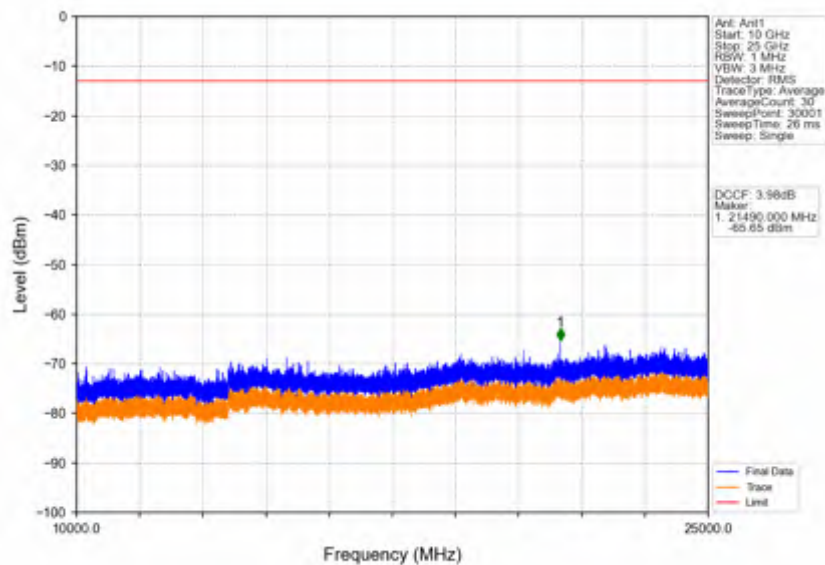
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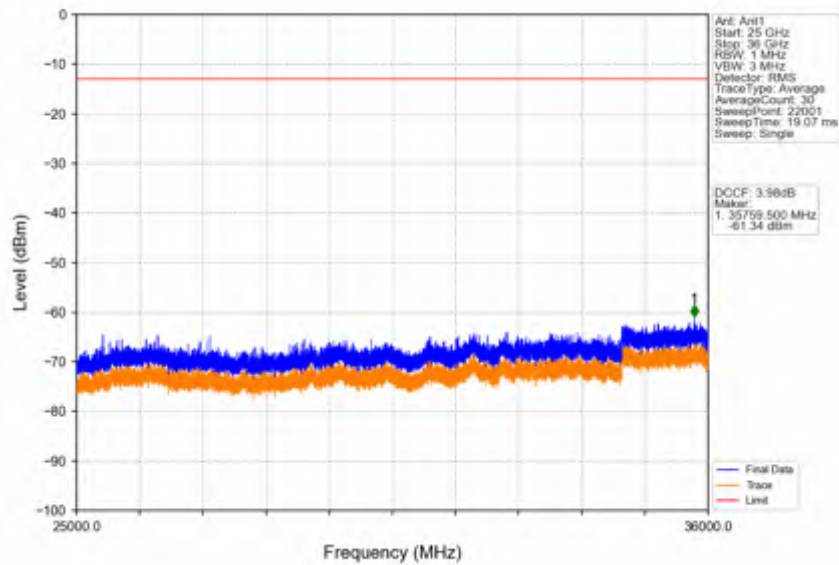
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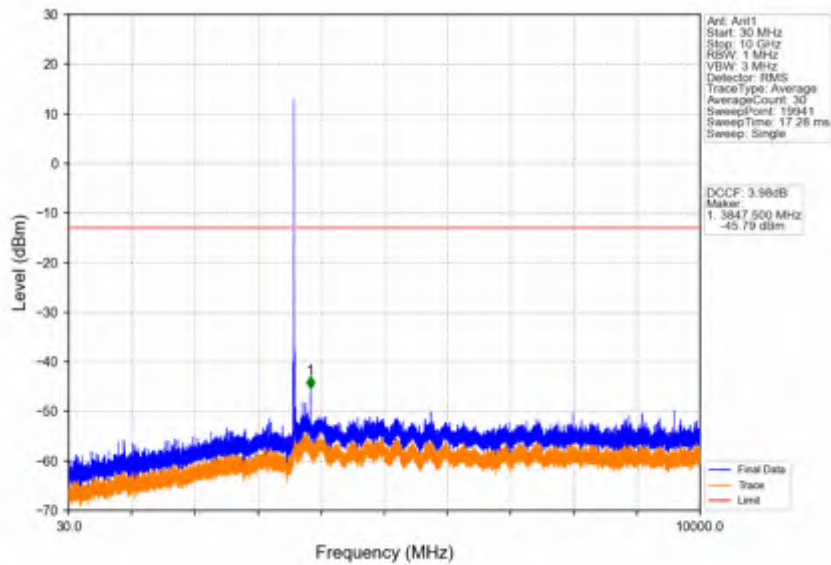
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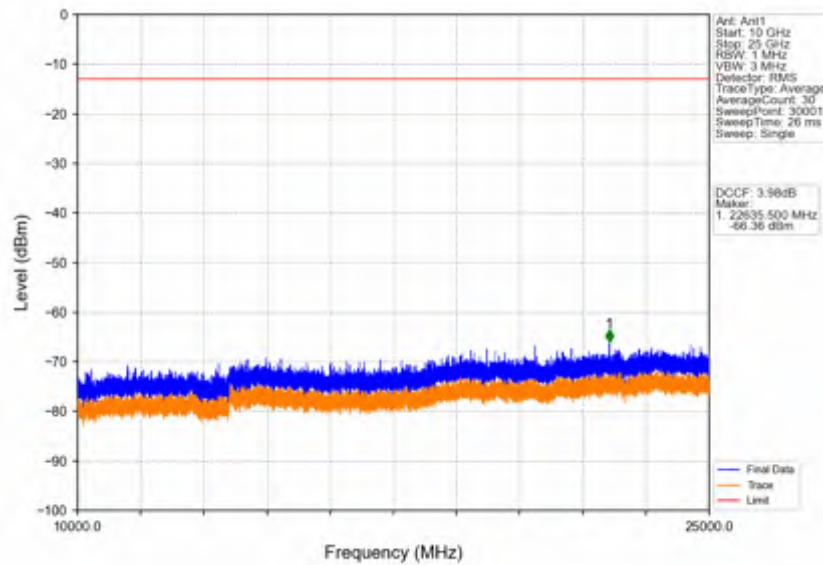


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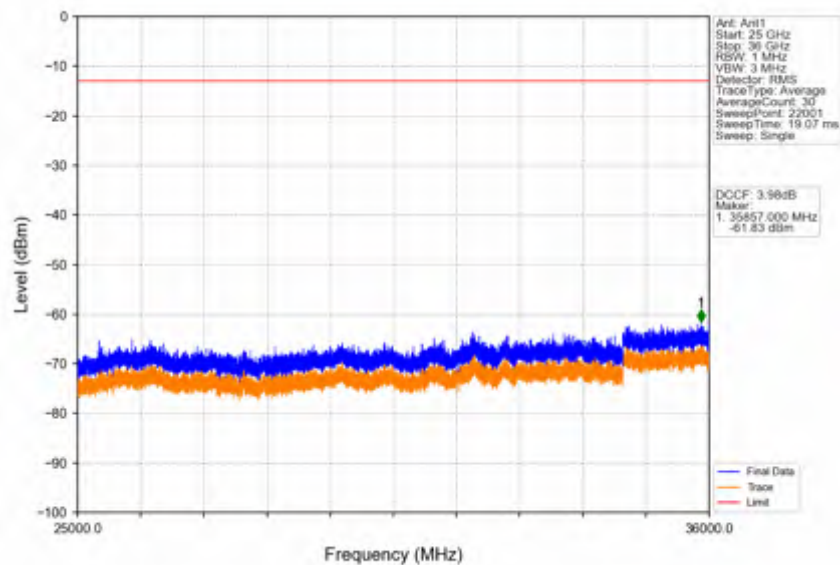
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Band42c_15MHz_256QAM_HCH_3592.5MHz_RB_1_0_NTNV



Band42c_15MHz_256QAM_HCH_3592.5MHz_RB_1_0_NTNV



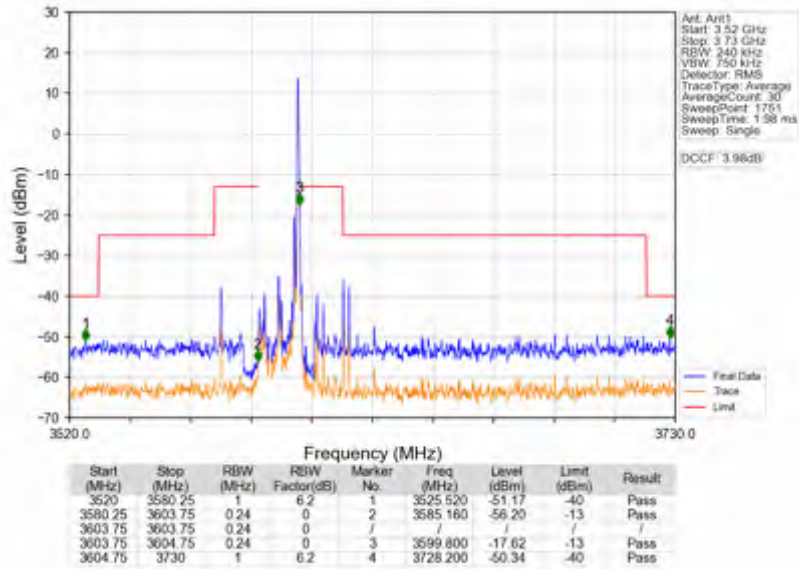
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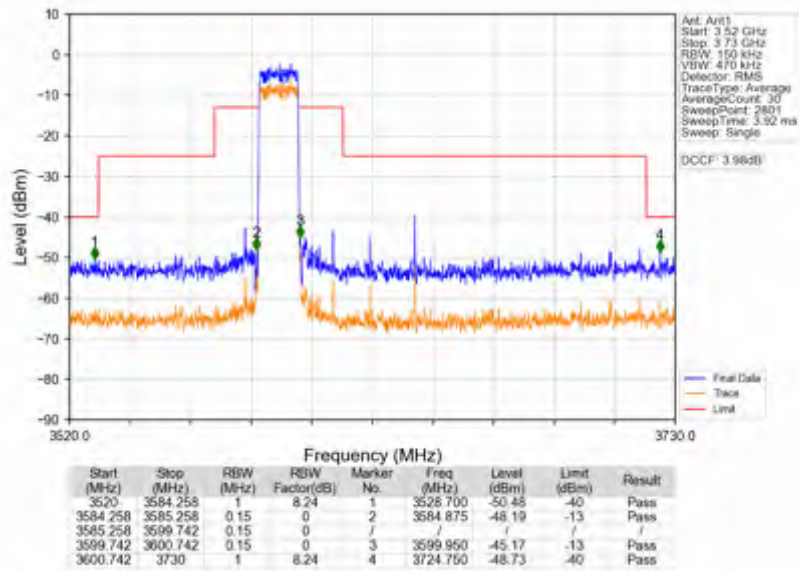
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Band42c_15MHz_256QAM_HCH_3592.5MHz_RB_1_74_NTNV



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12.4 B42c_20MHz

12.4.1 Test Result

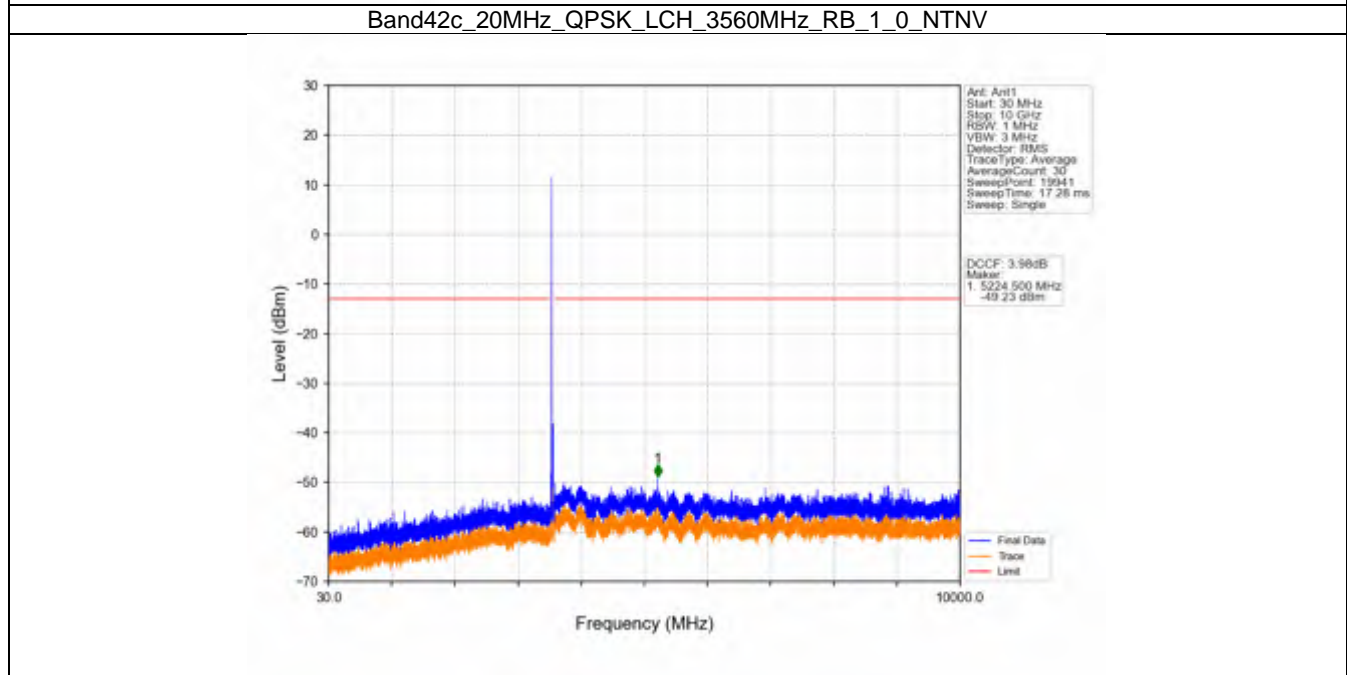
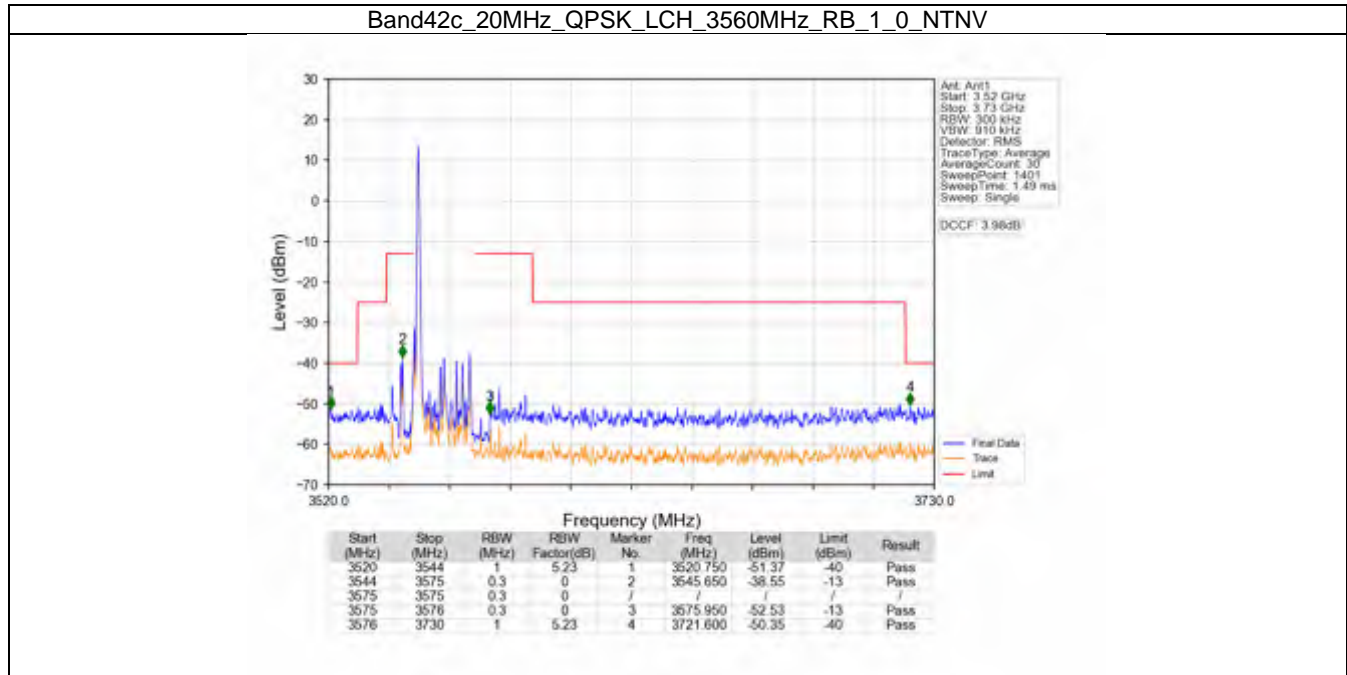
Band: 42c / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test 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
	3575	1	0	Refer To Test Graph		Pass
		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
	3575	1	0	Refer To Test Graph		Pass
		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
	3575	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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12.4.2 Test Graph

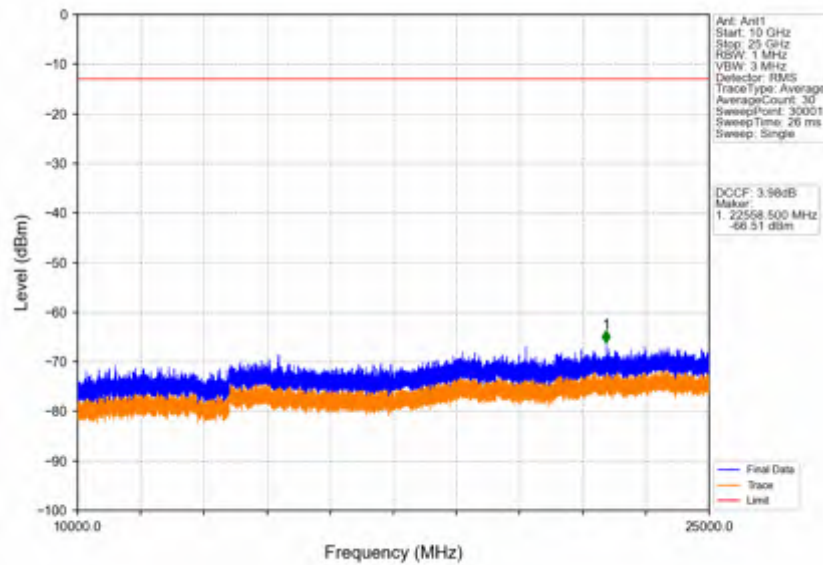


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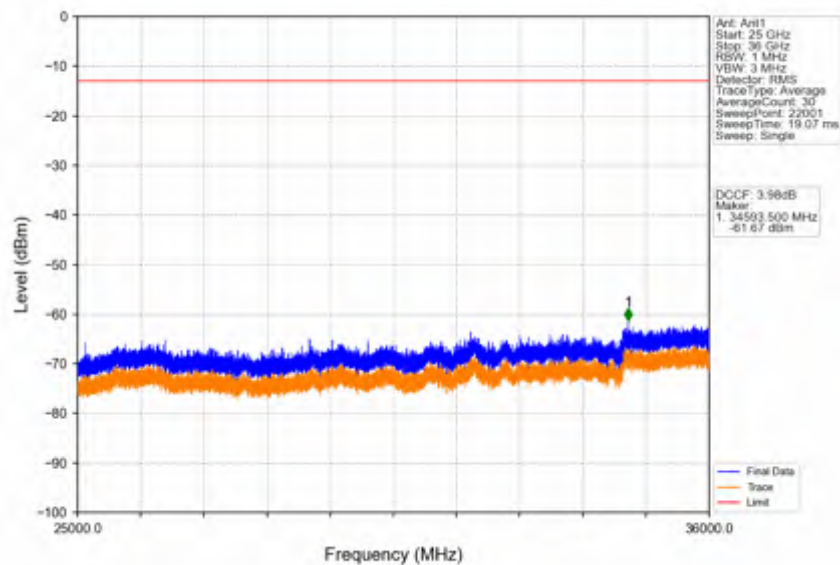
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Band42c_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



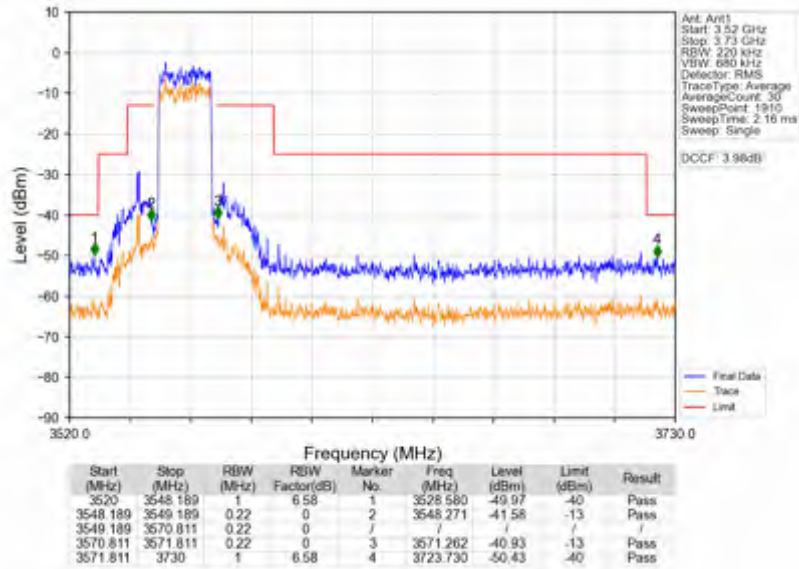
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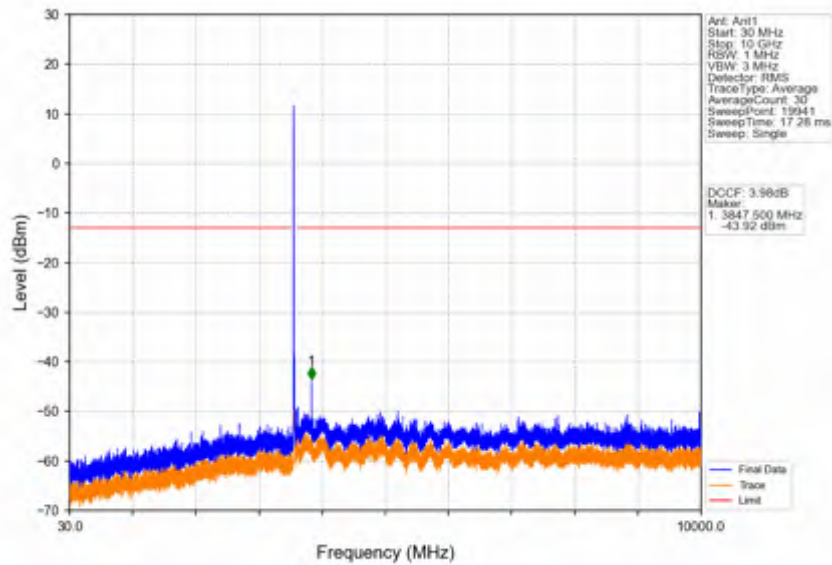
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Band42c_20MHz_QPSK_MCH_3575MHz_RB_1_0_NTNV

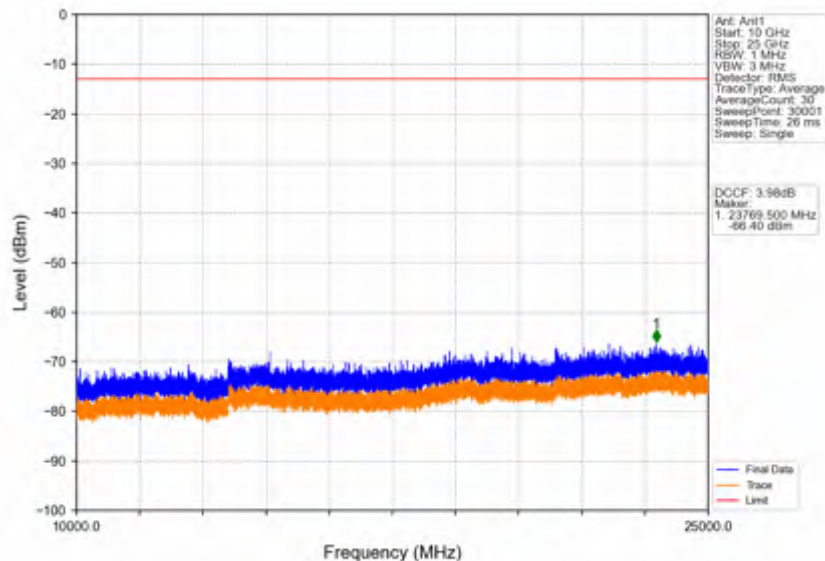


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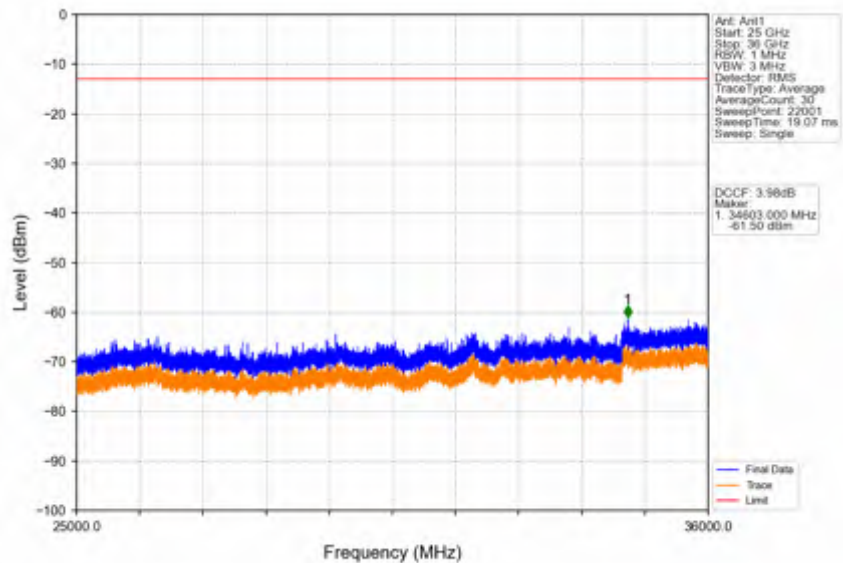
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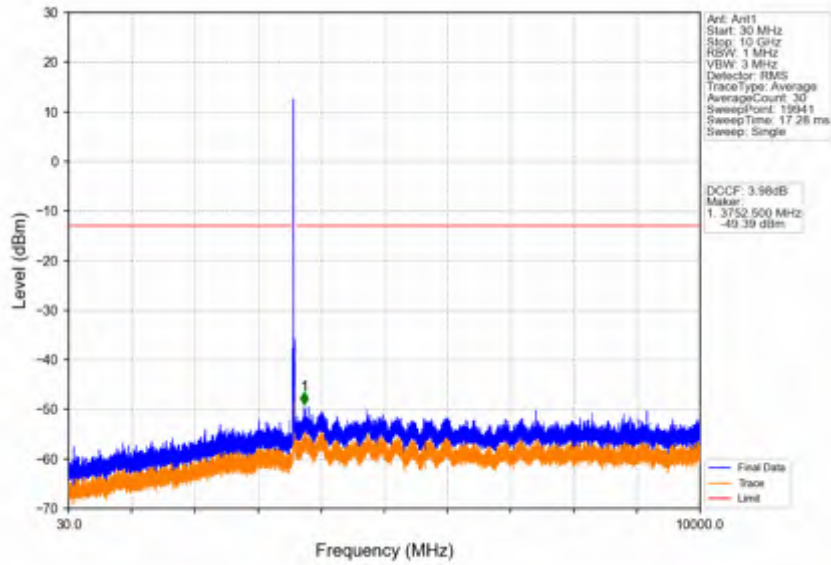
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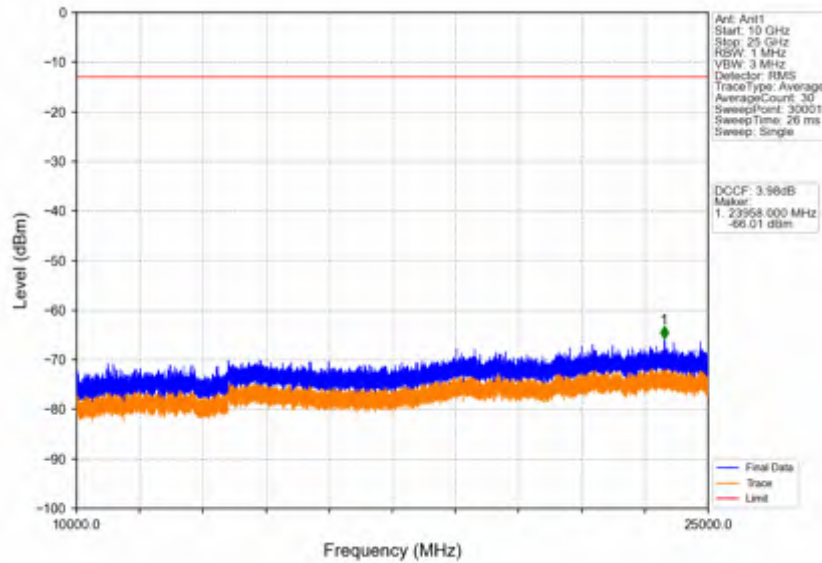
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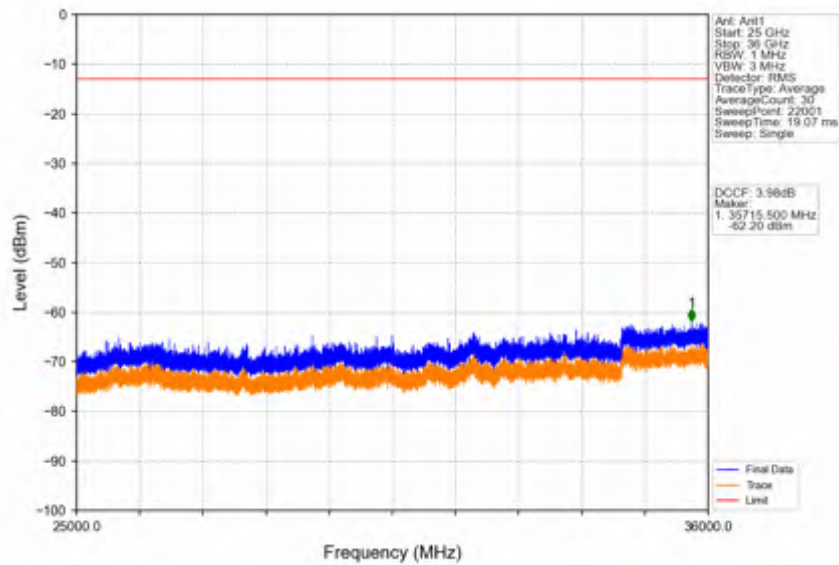
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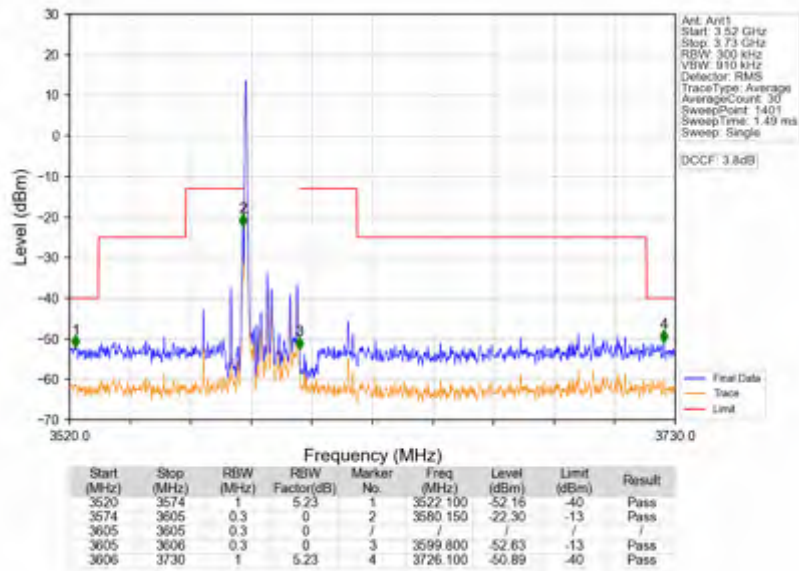
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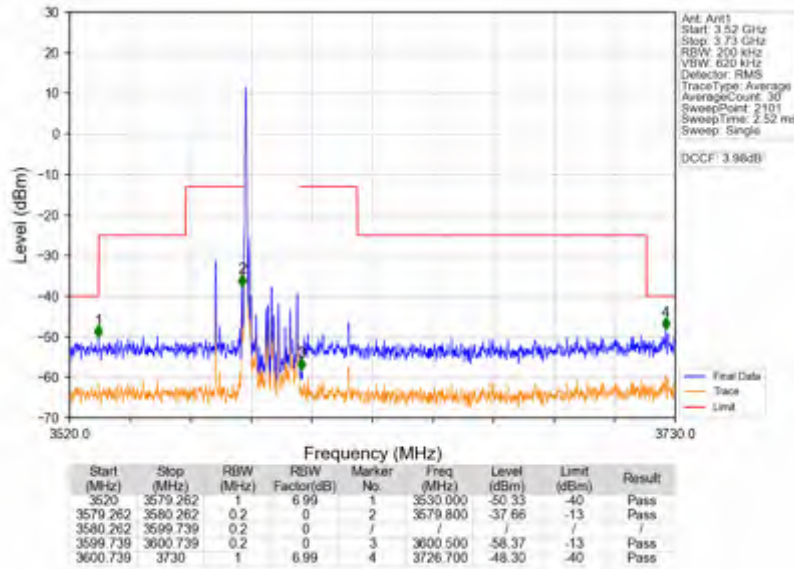
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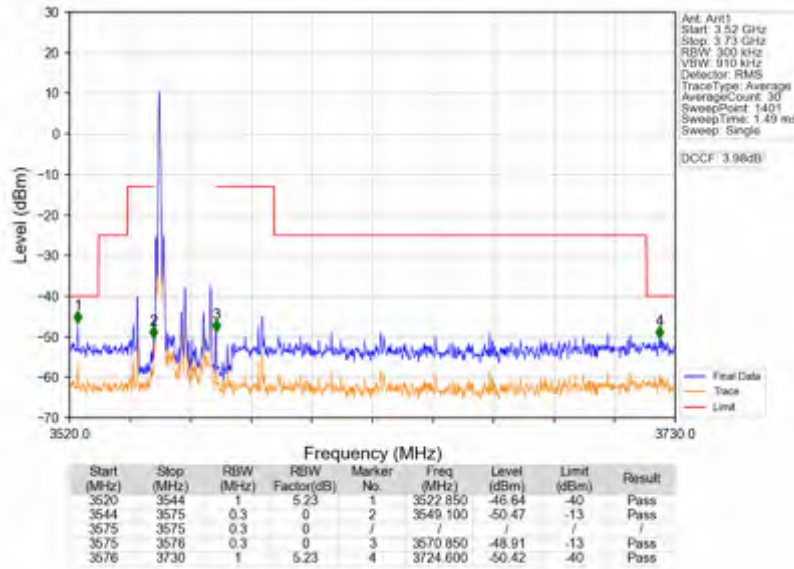
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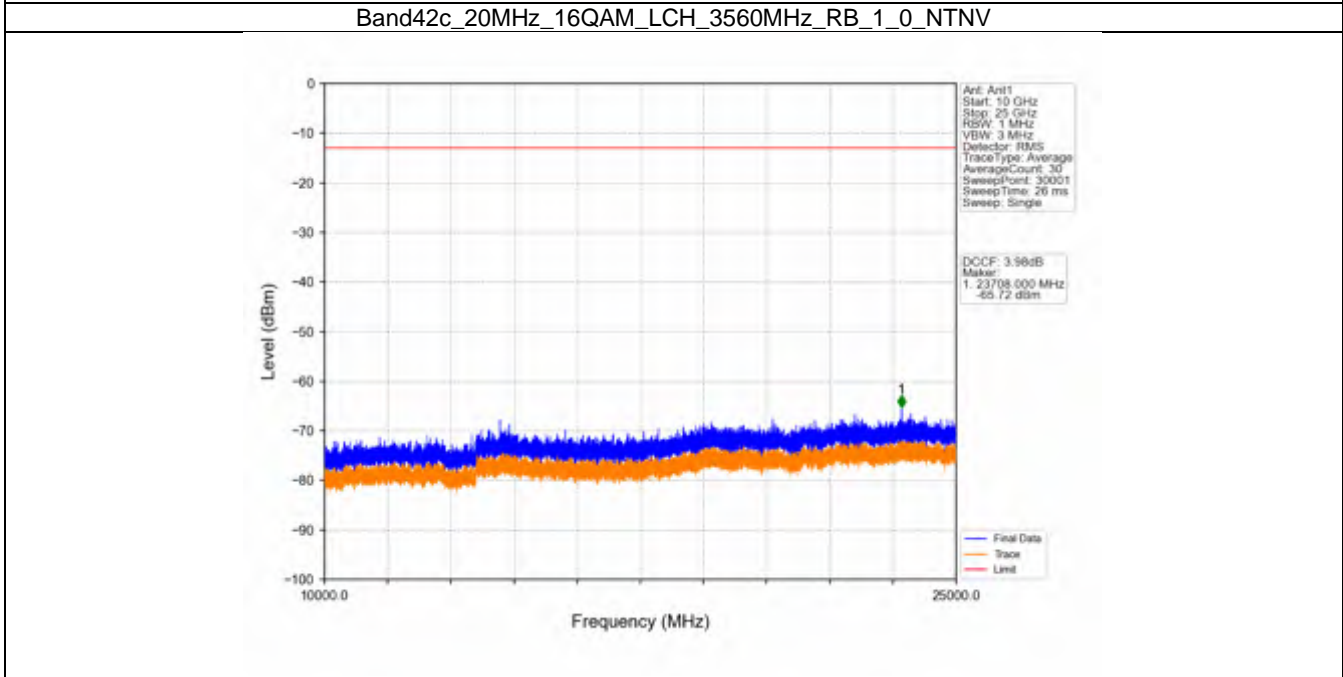
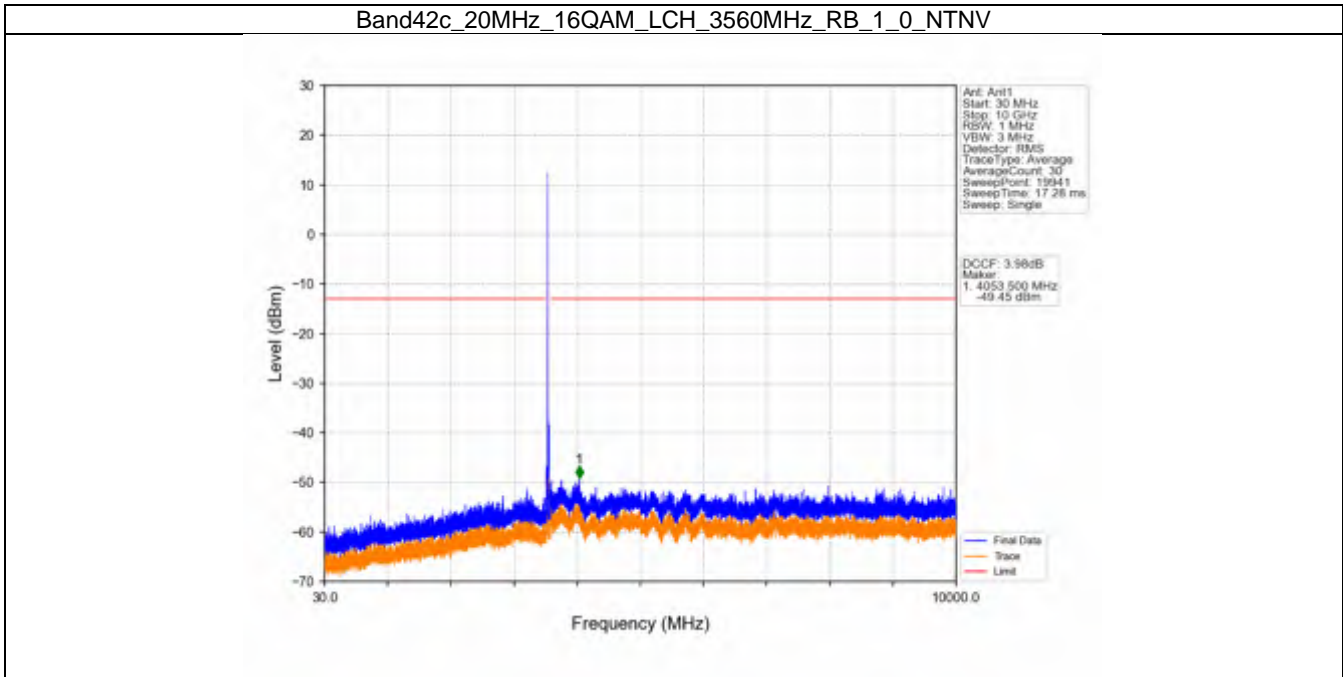
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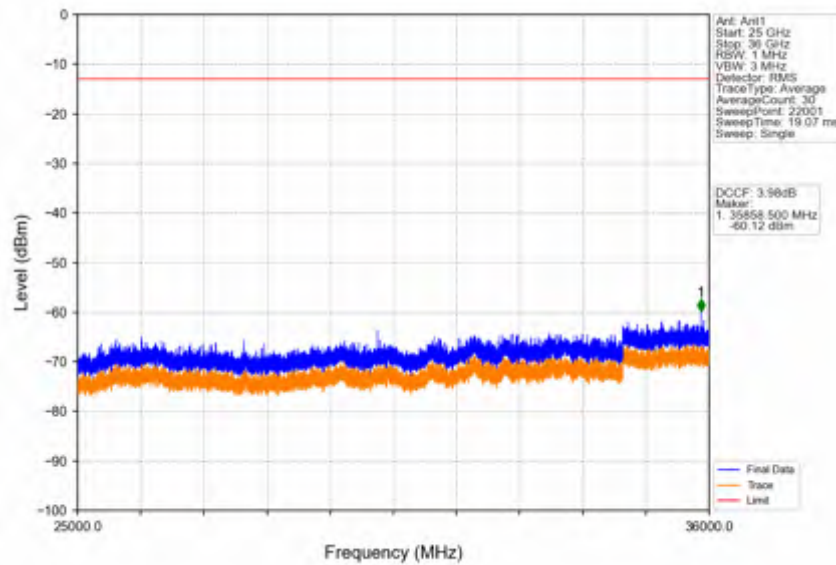


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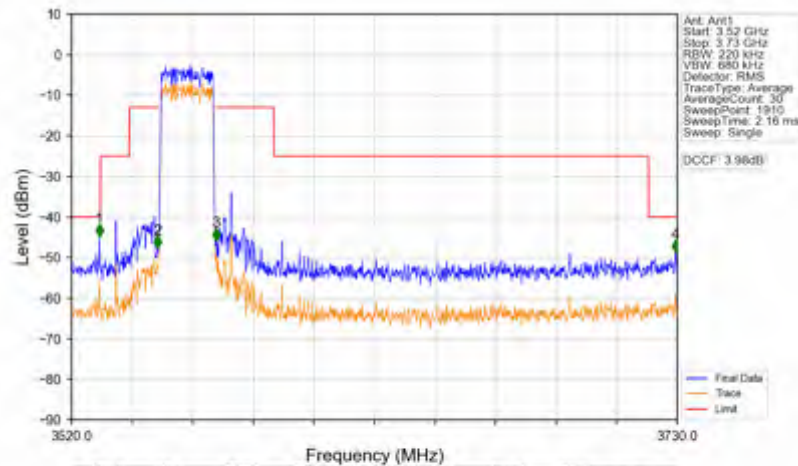
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Band42c_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



Band42c_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.898	1	6.58	1	3529.570	-44.77	-40	Pass
3548.898	3549.898	0.22	0	2	3549.811	-47.75	-13	Pass
3549.898	3570.103	0.22	0	3	3570.162	-45.83	-13	Pass
3570.103	3571.103	0.22	0	3	3570.162	-45.83	-13	Pass
3571.103	3730	1	6.58	4	3729.450	-48.66	-40	Pass

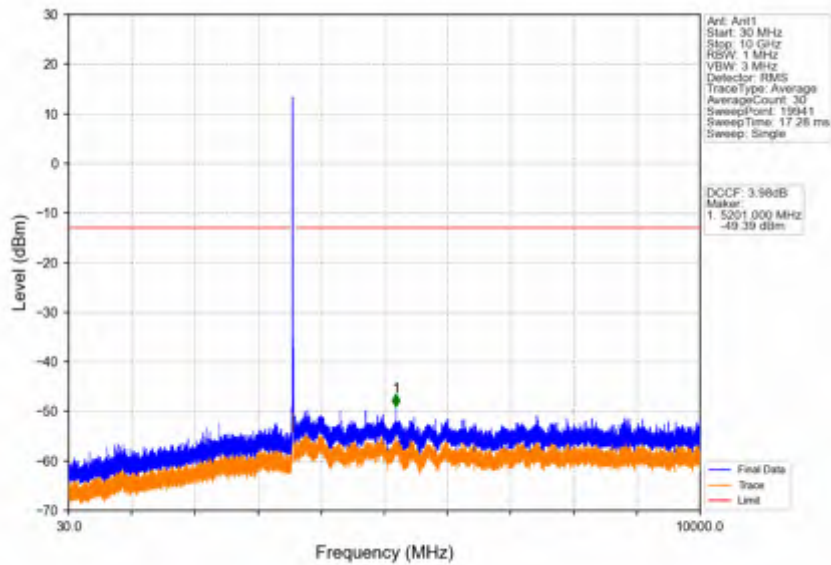


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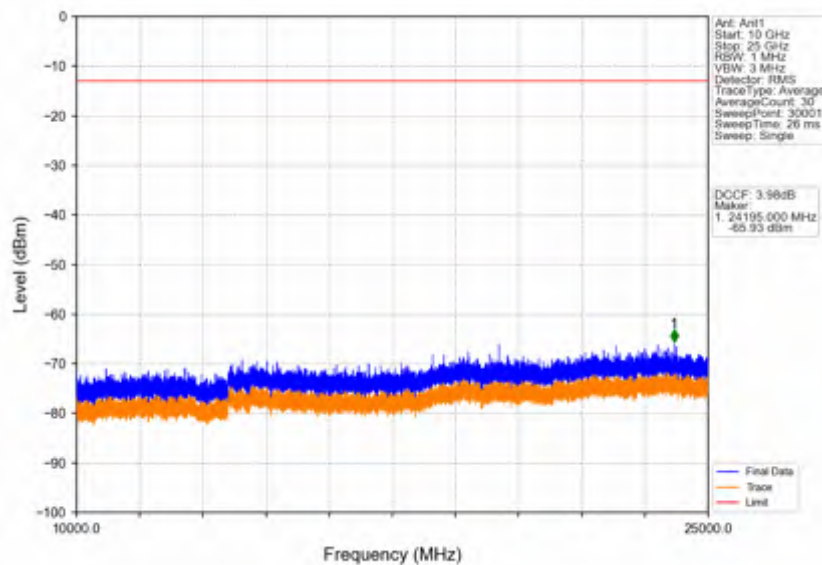
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Band42c_20MHz_16QAM_MCH_3575MHz_RB_1_0_NTNV



Band42c_20MHz_16QAM_MCH_3575MHz_RB_1_0_NTNV



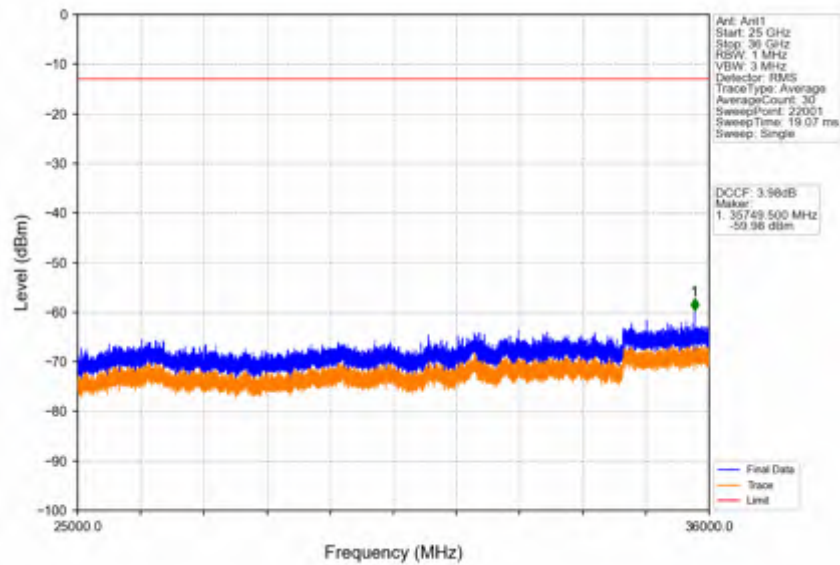
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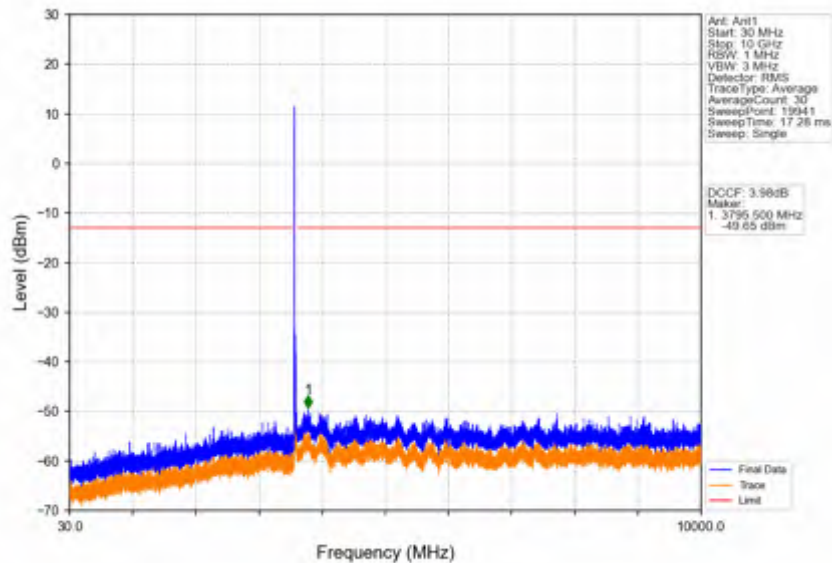
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Band42c_20MHz_16QAM_HCH_3590MHz_RB_1_0_NTNV

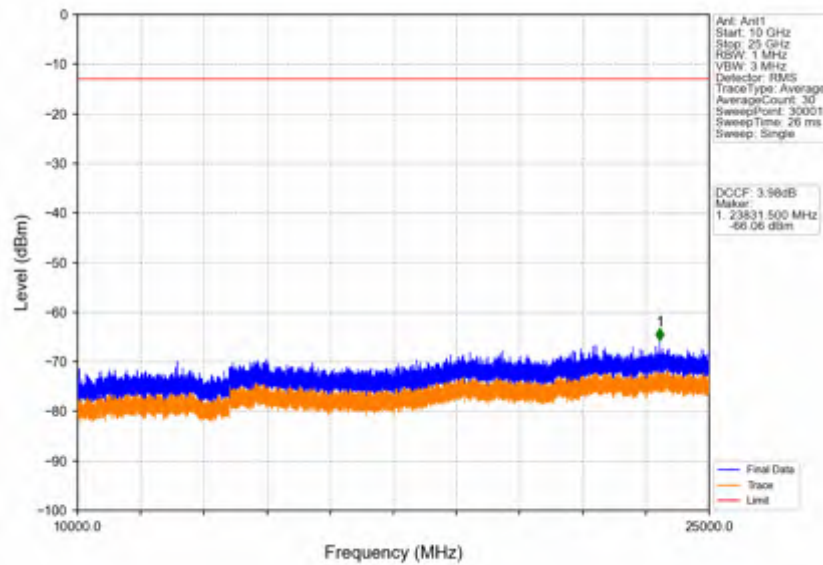


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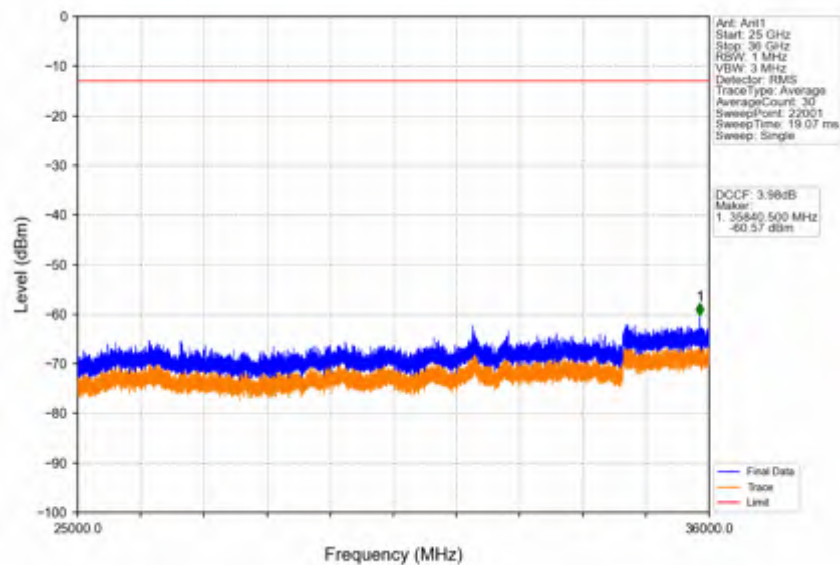
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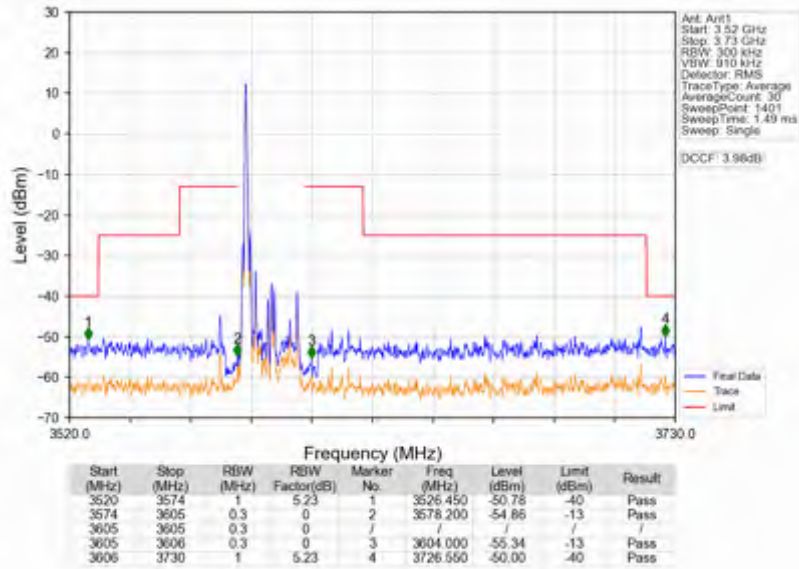
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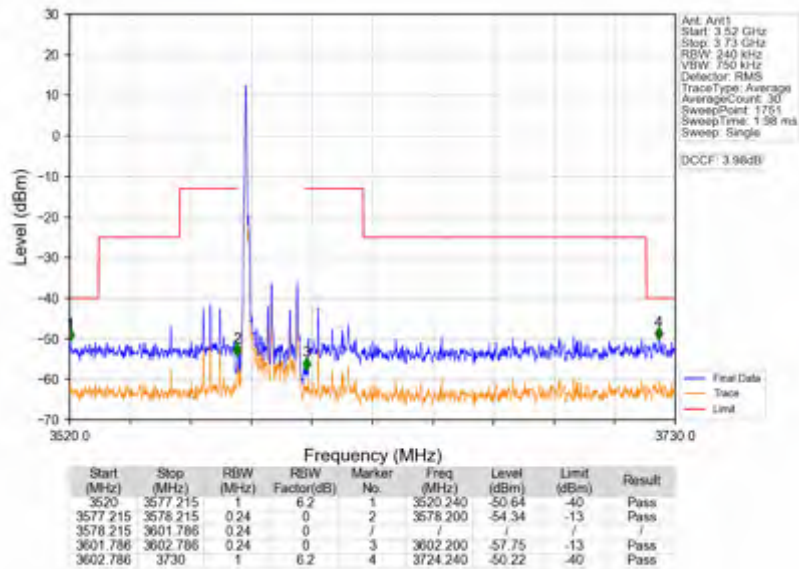
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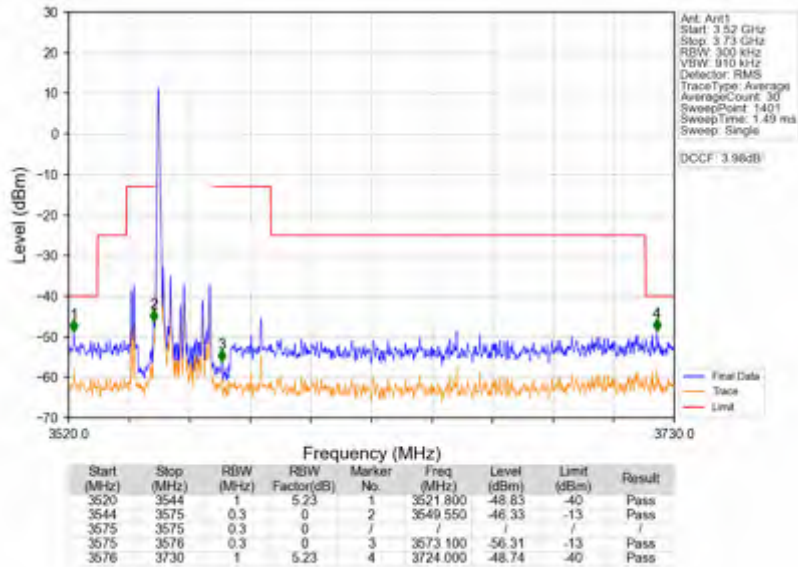


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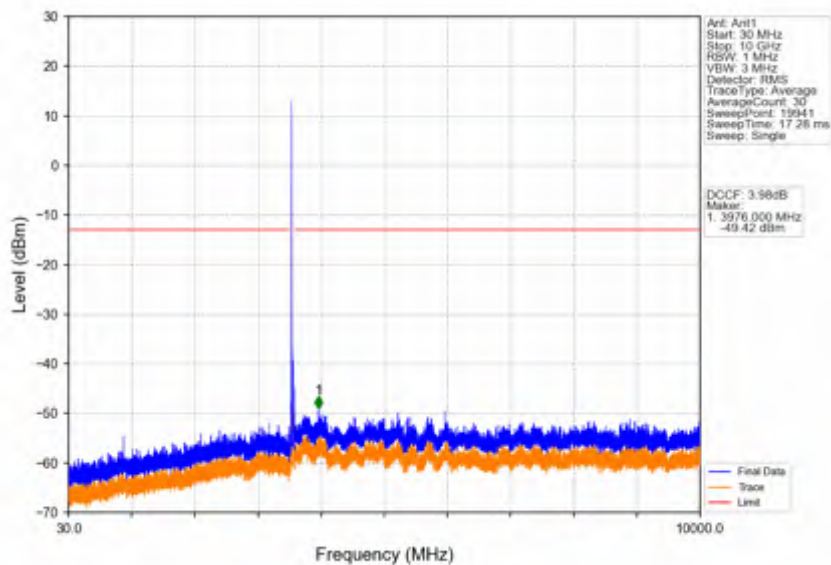
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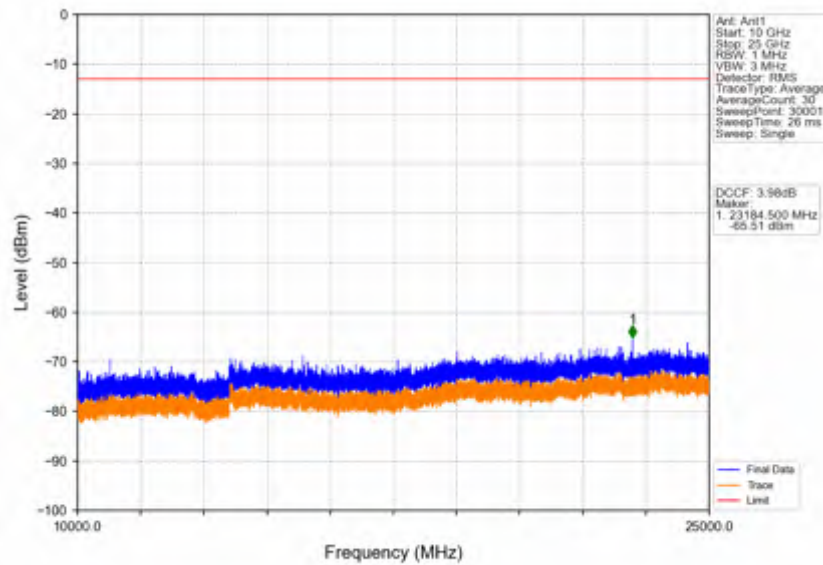


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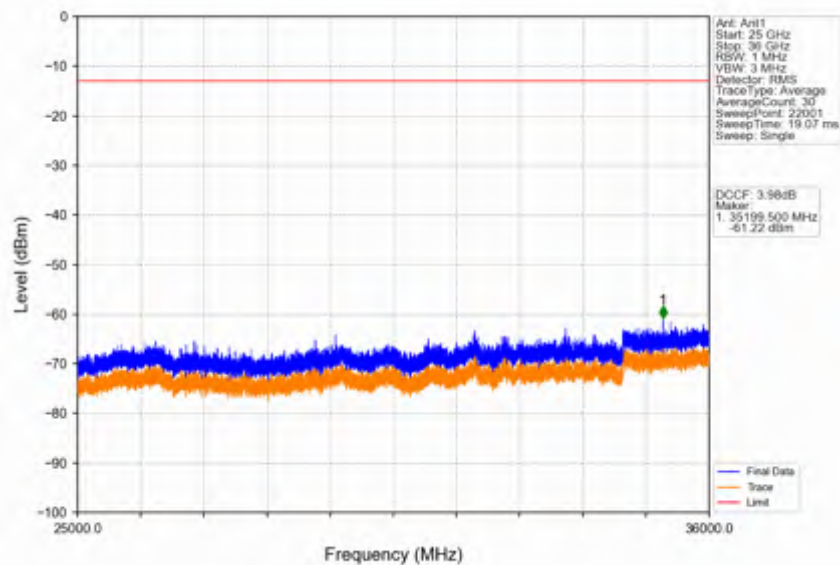
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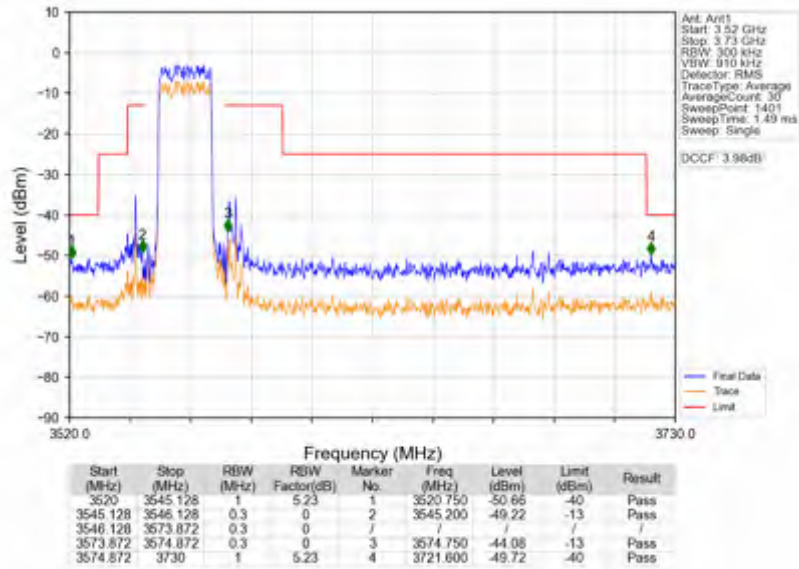


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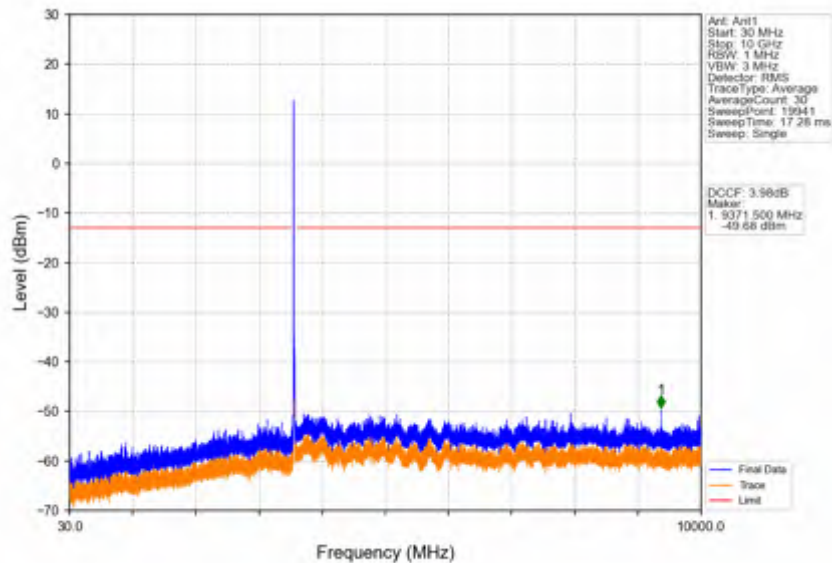
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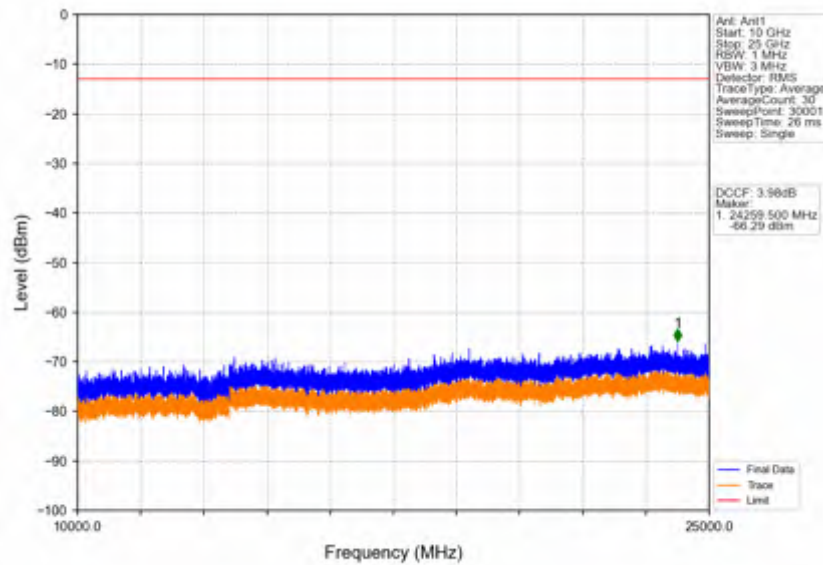


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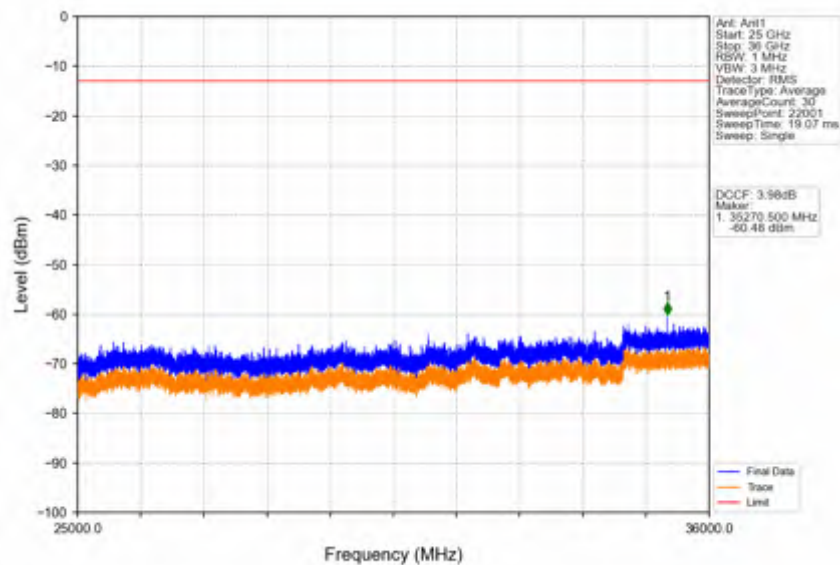
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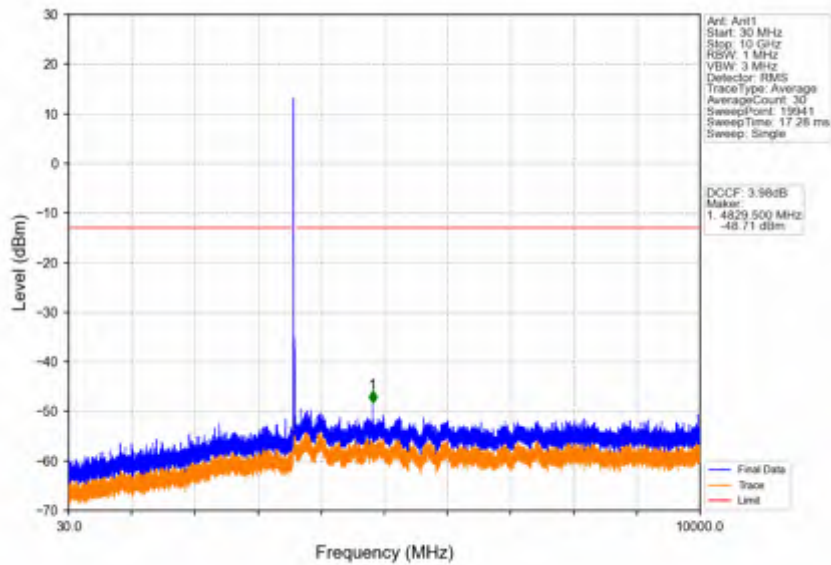
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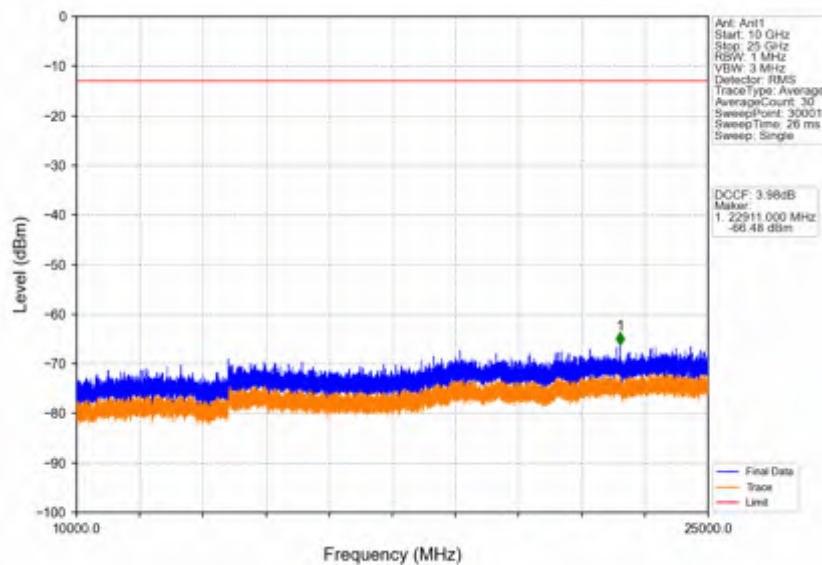
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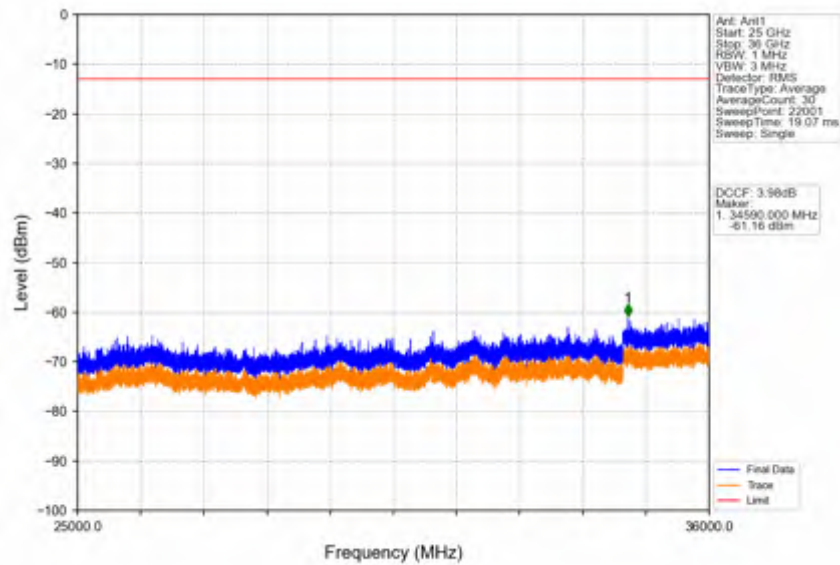
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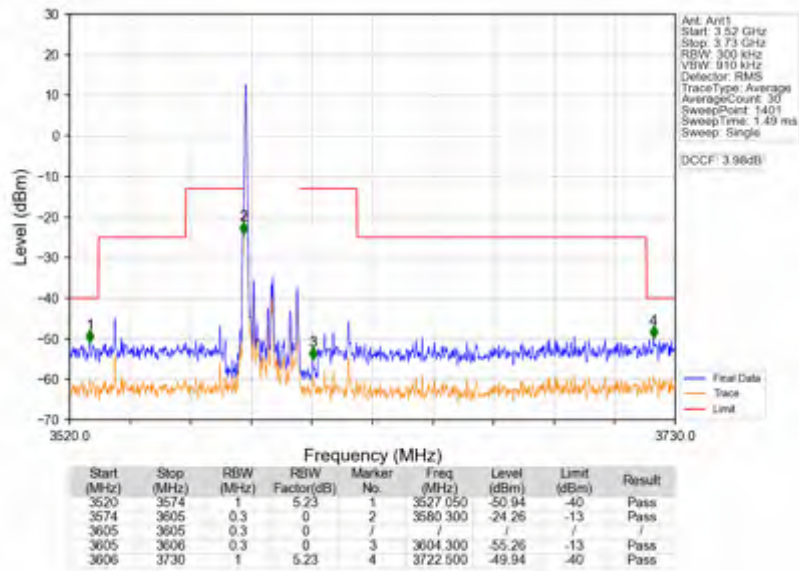
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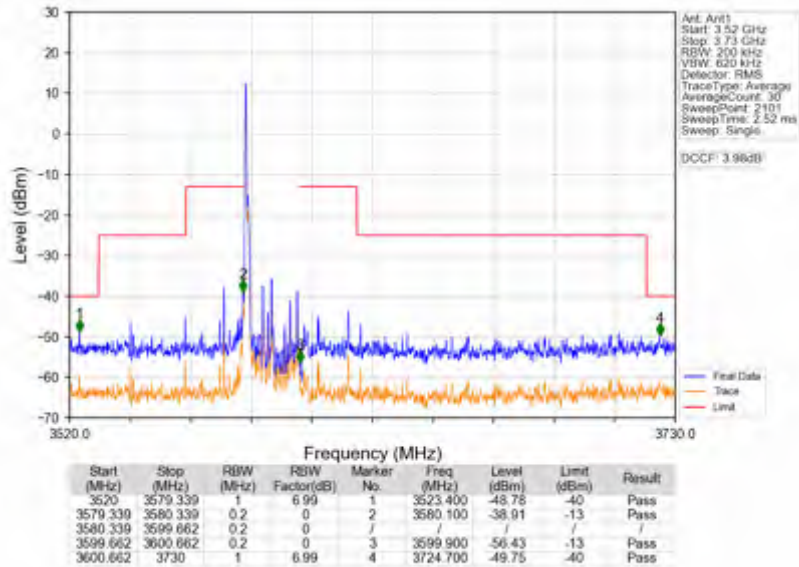
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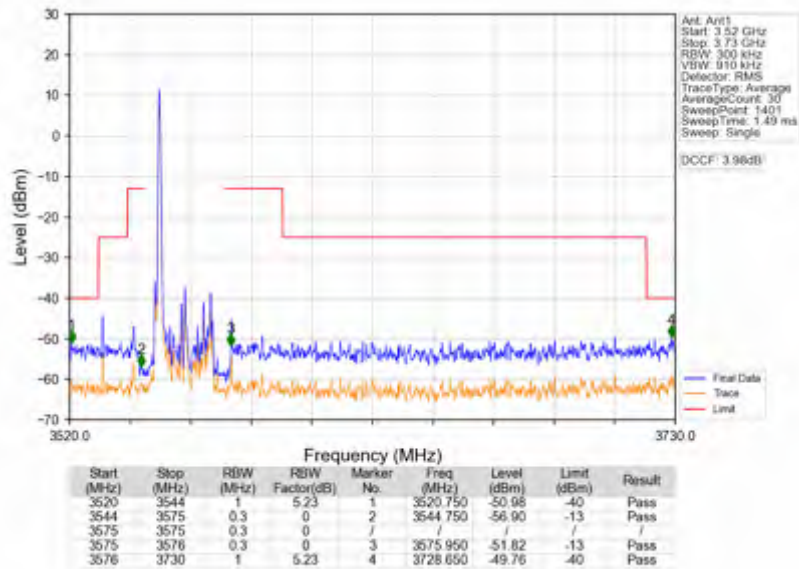
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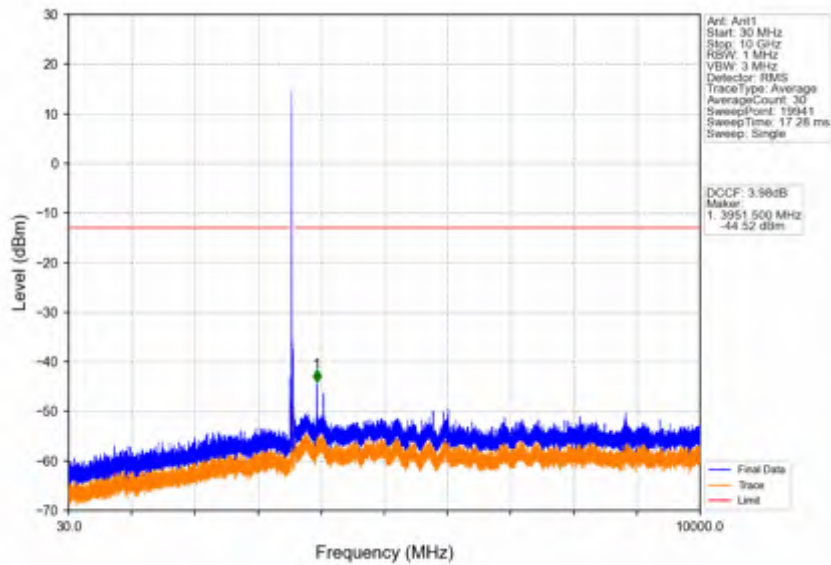
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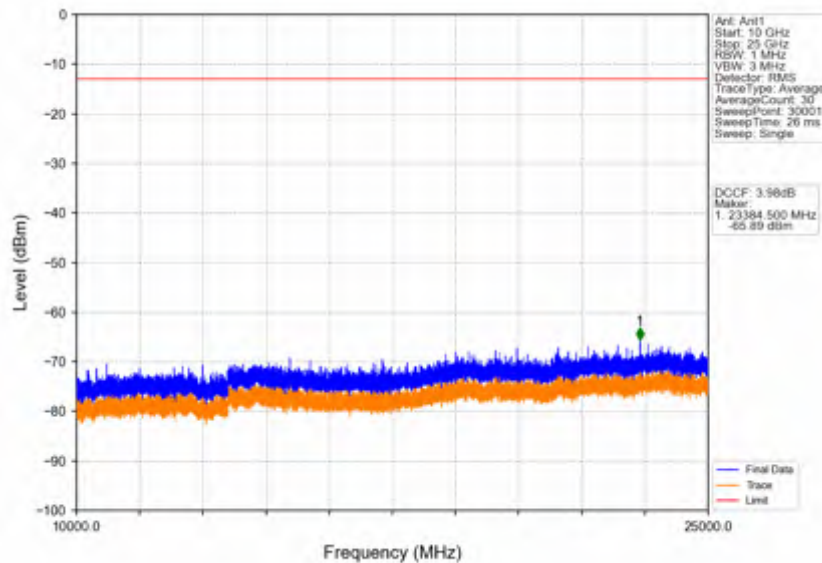
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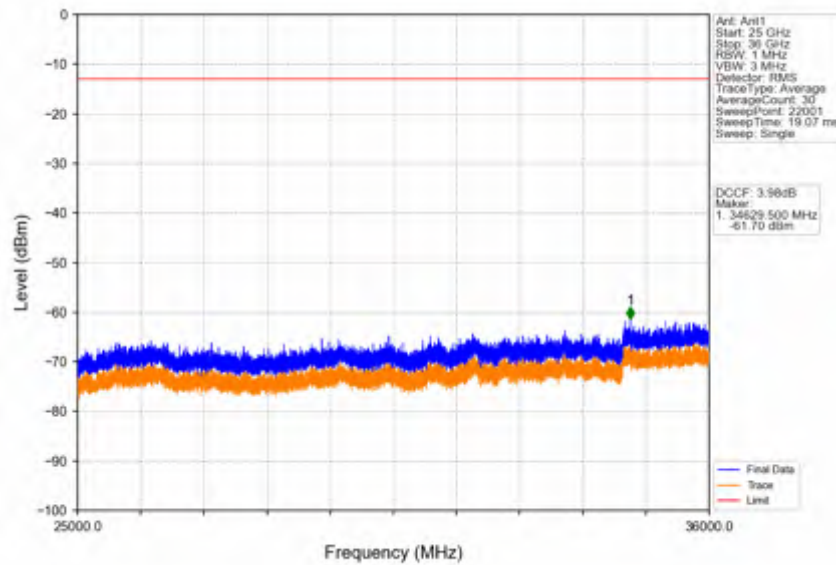
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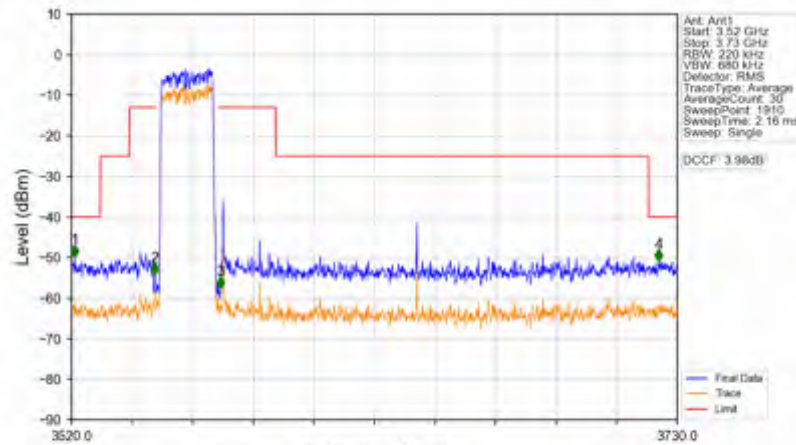
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Band42c_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.236	1	6.58	1	3521.100	-49.91	-40	Pass
3548.236	3549.236	0.22	0	2	3548.821	-54.43	-13	Pass
3549.236	3570.765	0.22	0	3	3571.702	-57.73	-13	Pass
3570.765	3571.765	0.22	0	3	3571.702	-57.73	-13	Pass
3571.765	3730	1	6.58	4	3723.620	-51.03	-40	Pass



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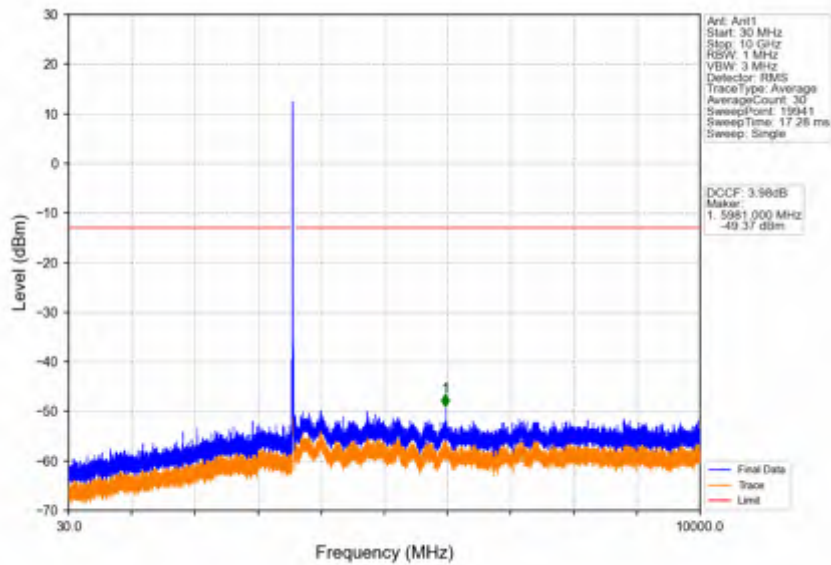
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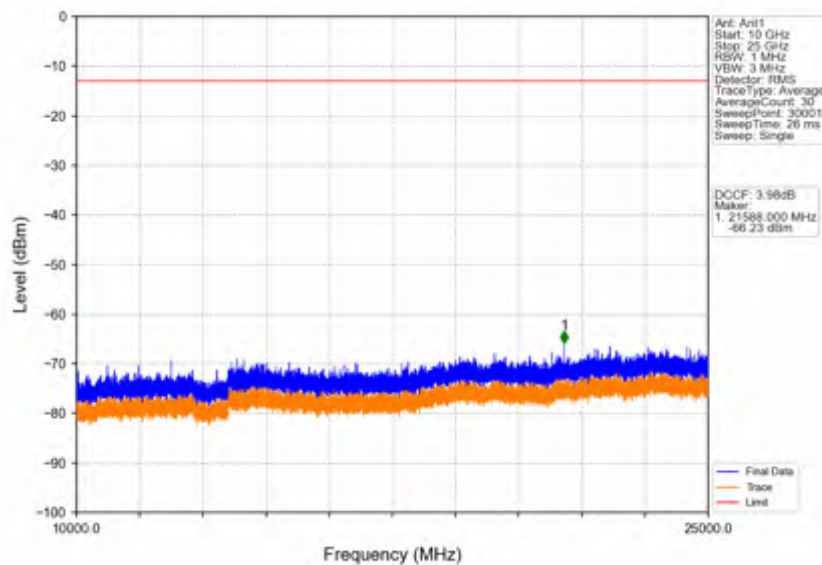
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Band42c_20MHz_256QAM_MCH_3575MHz_RB_1_0_NTNV



Band42c_20MHz_256QAM_MCH_3575MHz_RB_1_0_NTNV



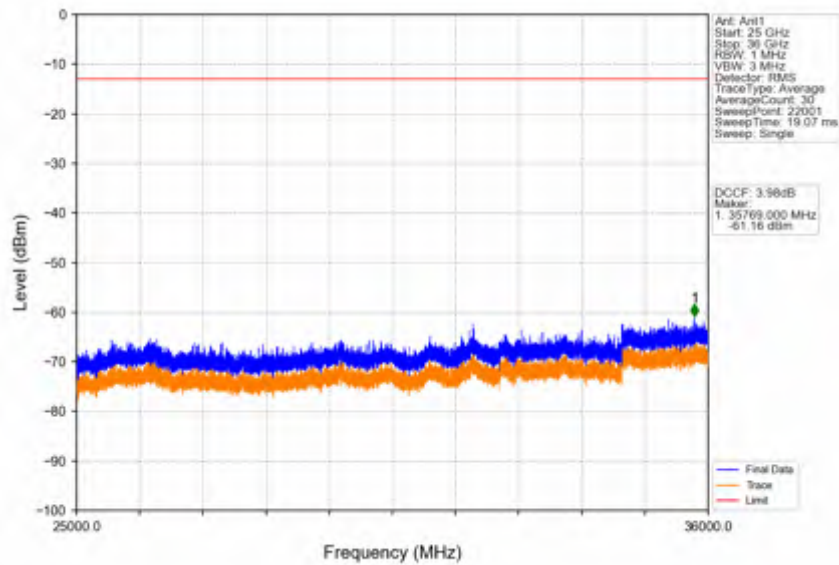
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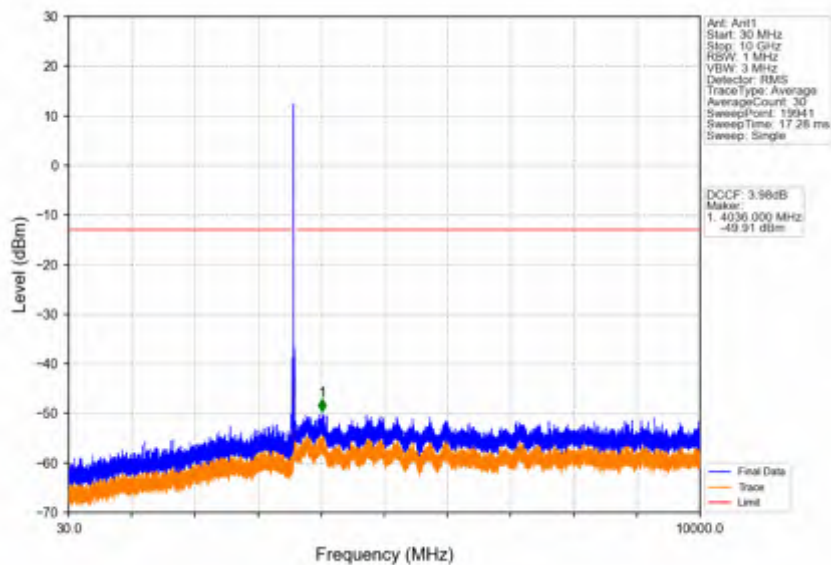
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Band42c_20MHz_256QAM_MCH_3575MHz_RB_1_0_NTNV



Band42c_20MHz_256QAM_HCH_3590MHz_RB_1_0_NTNV

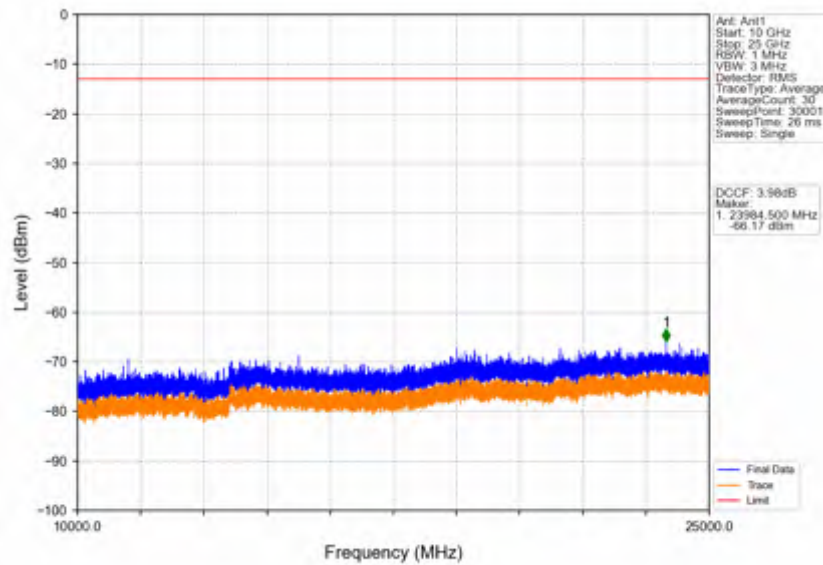


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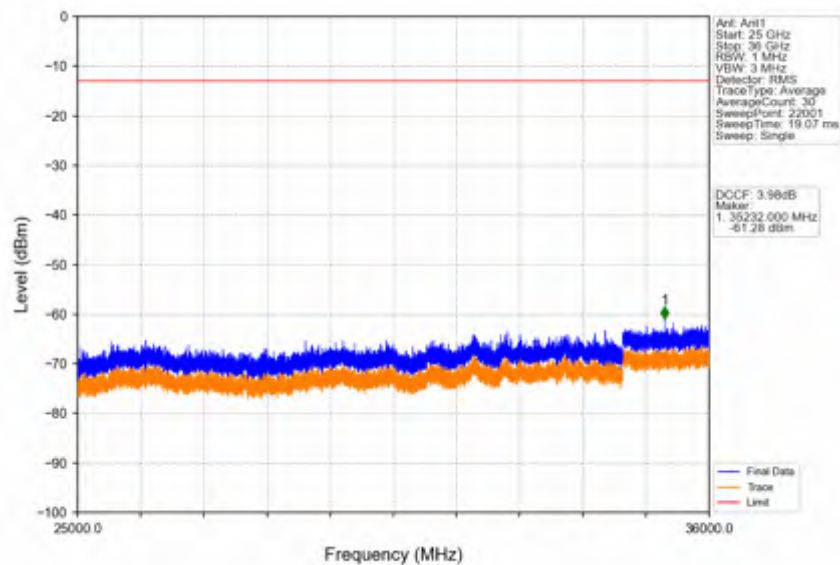
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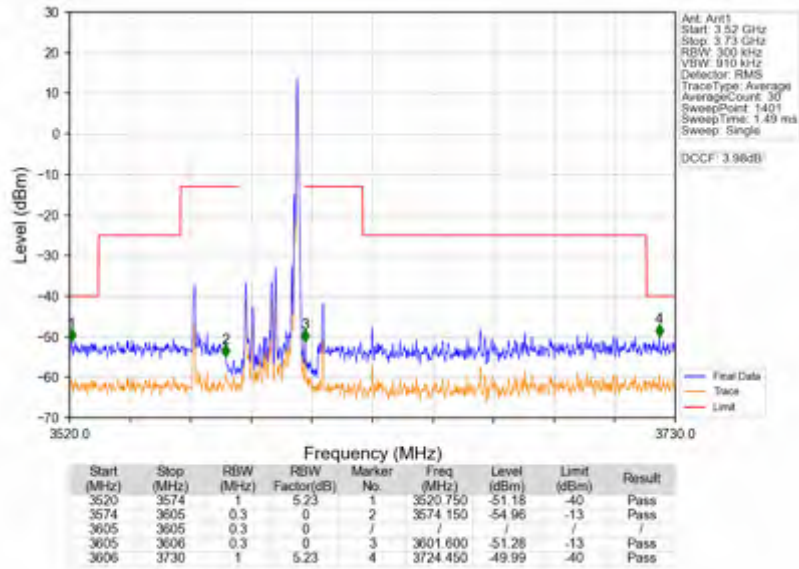
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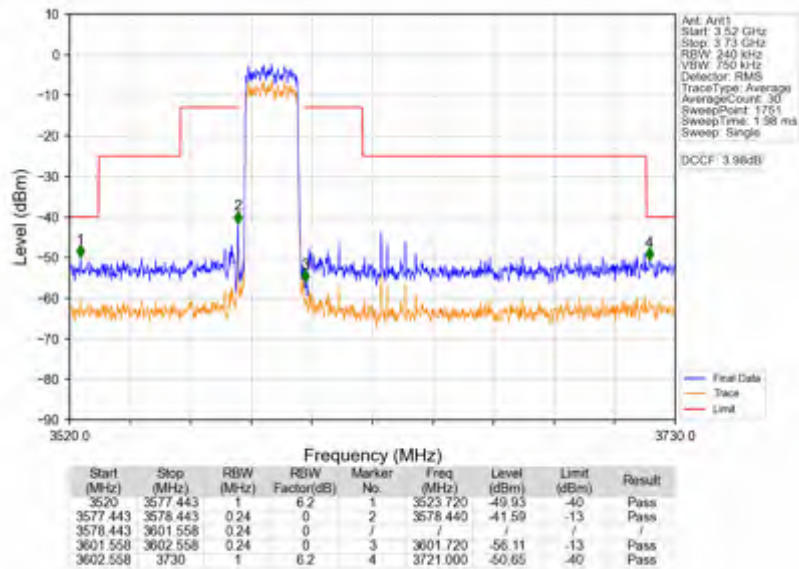
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13. Spurious Emission

13.1 B66_1.4MHz

13.1.1 Test Result

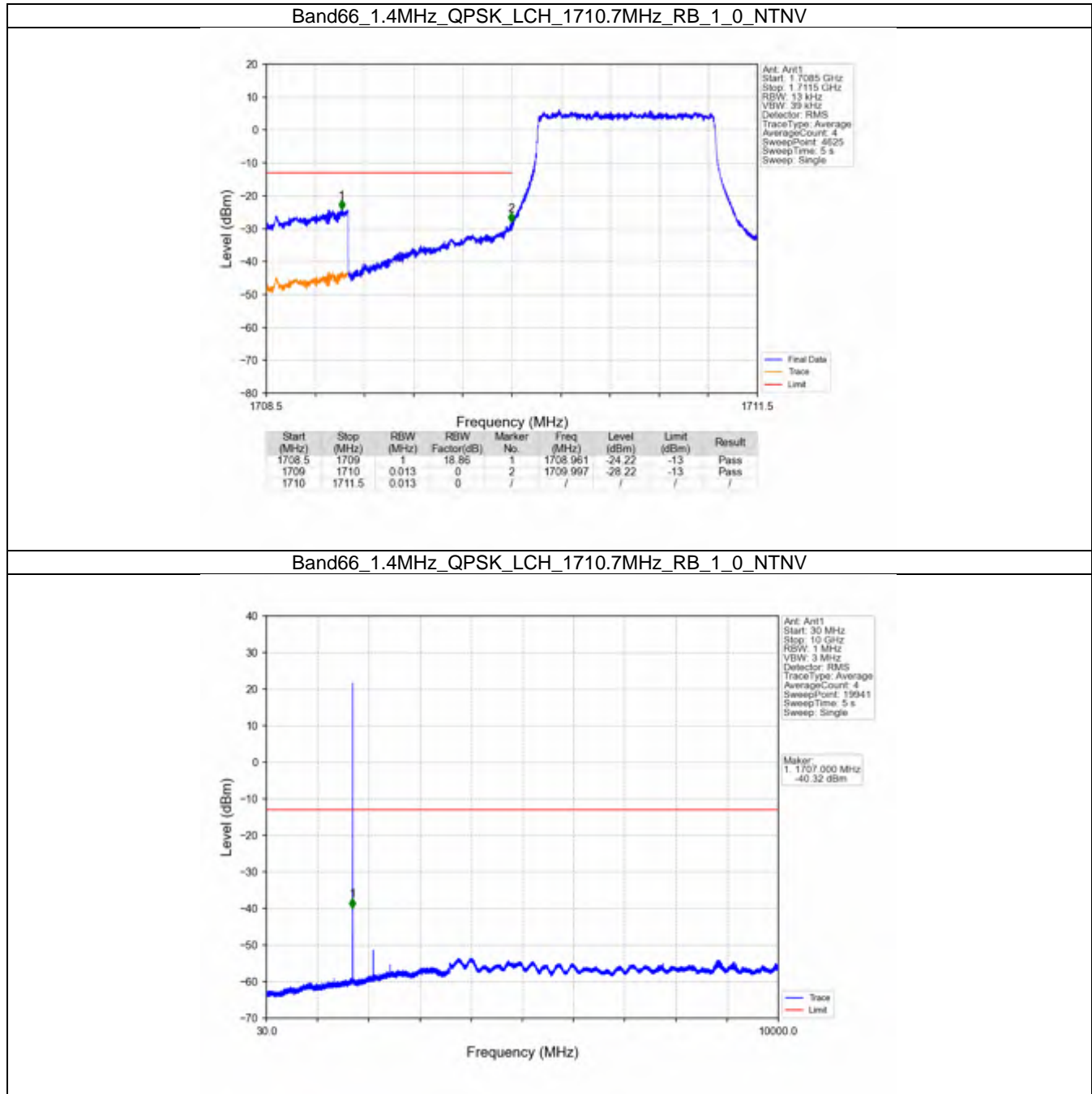
Band: 66 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
		6	5	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
		6	5	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
		6	5	Refer To Test Graph		Pass
256QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
		6	5	Refer To Test Graph		Pass



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13.1.2 Test Graph

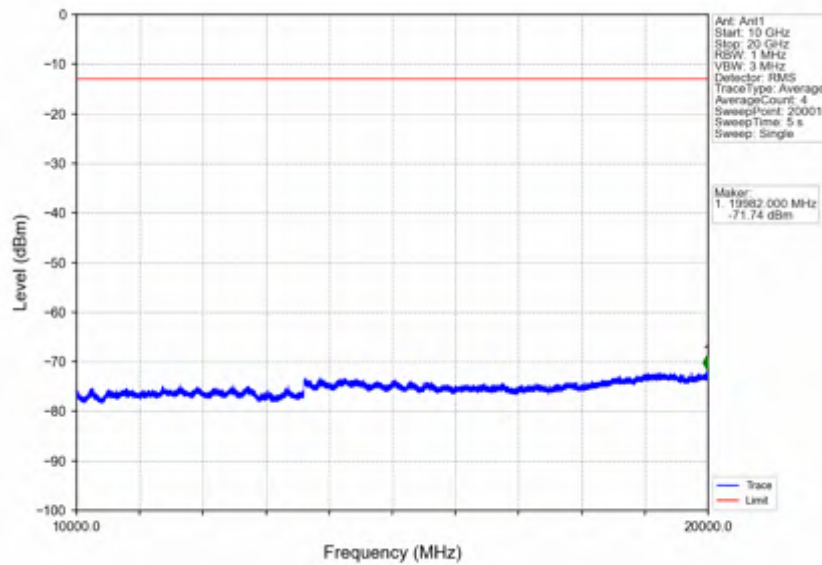


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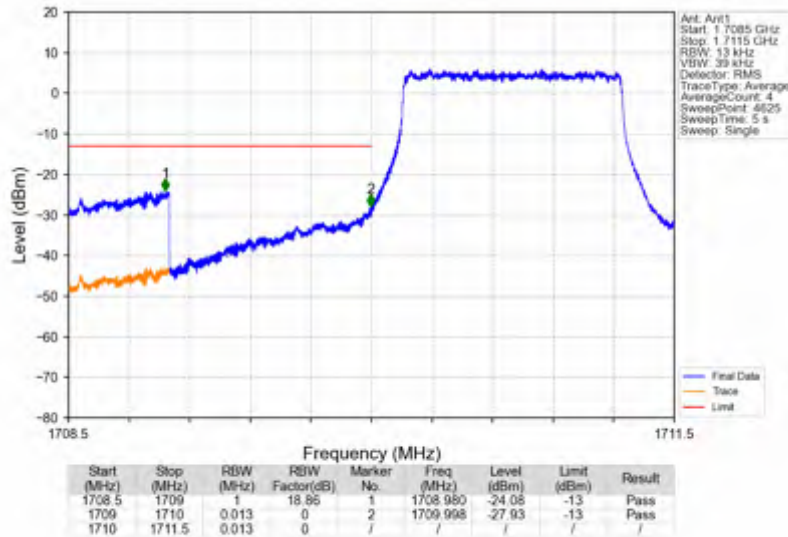
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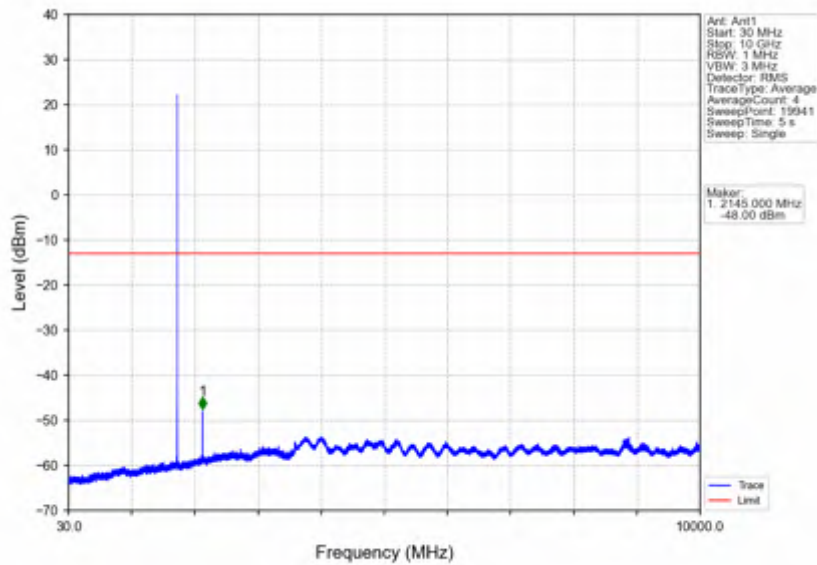
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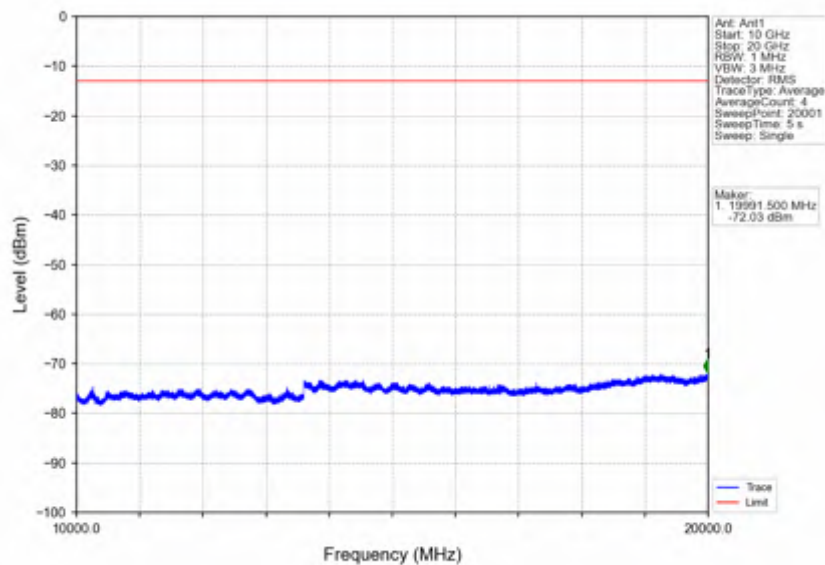
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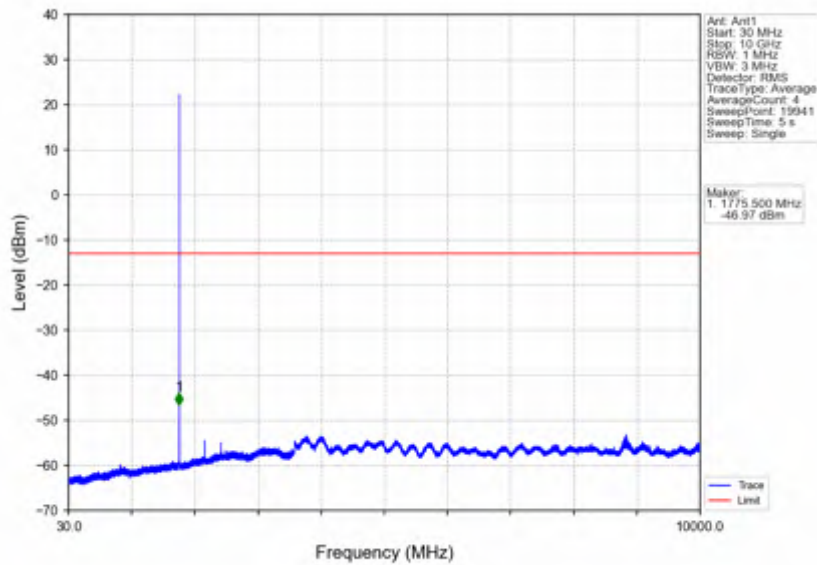
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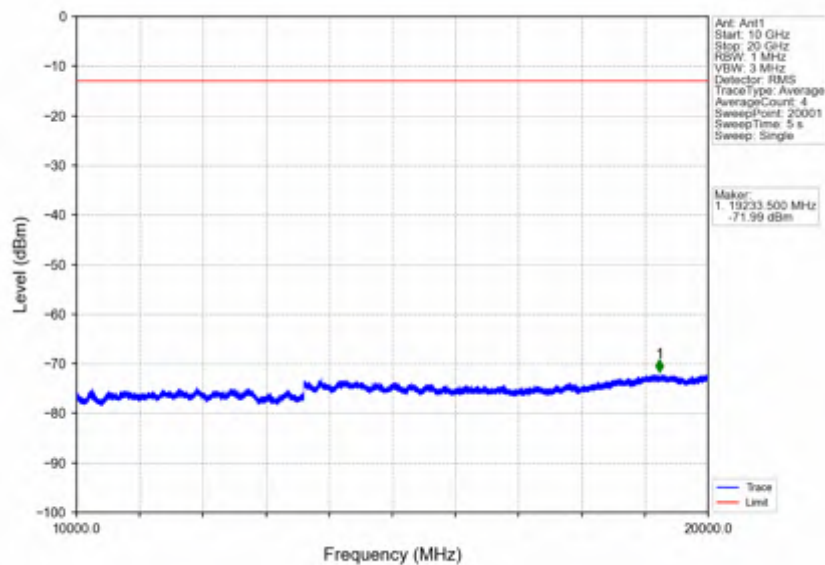
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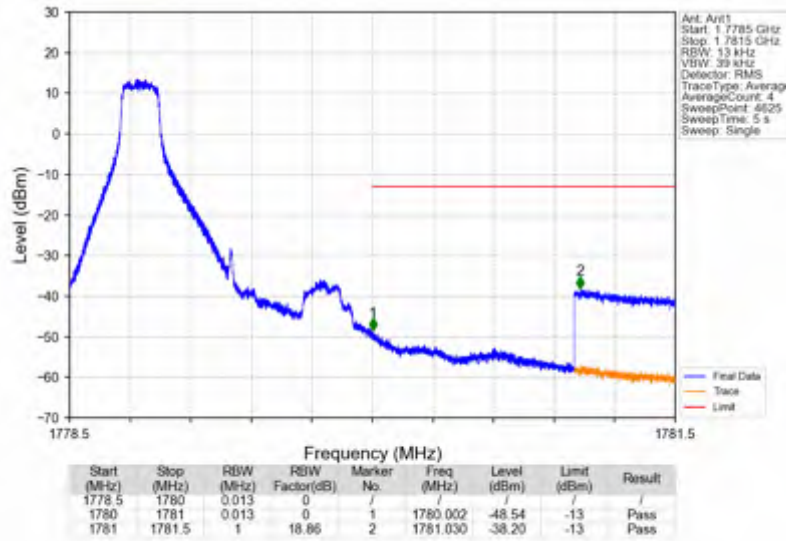
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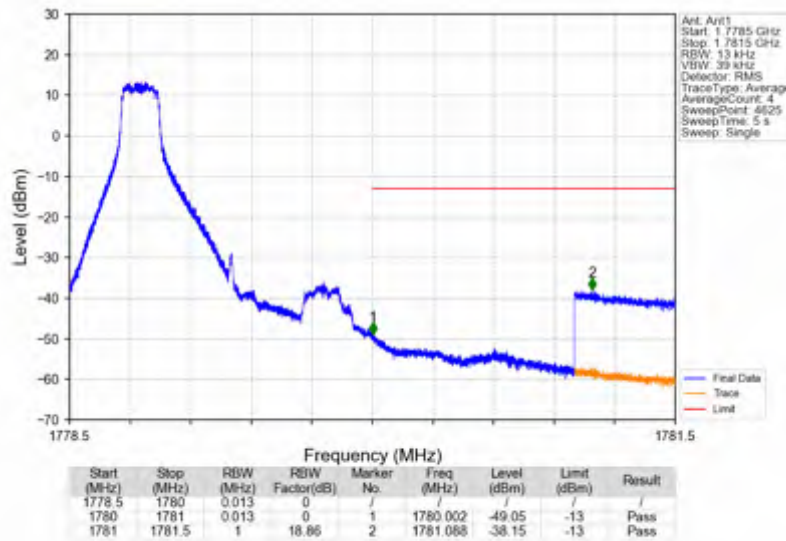
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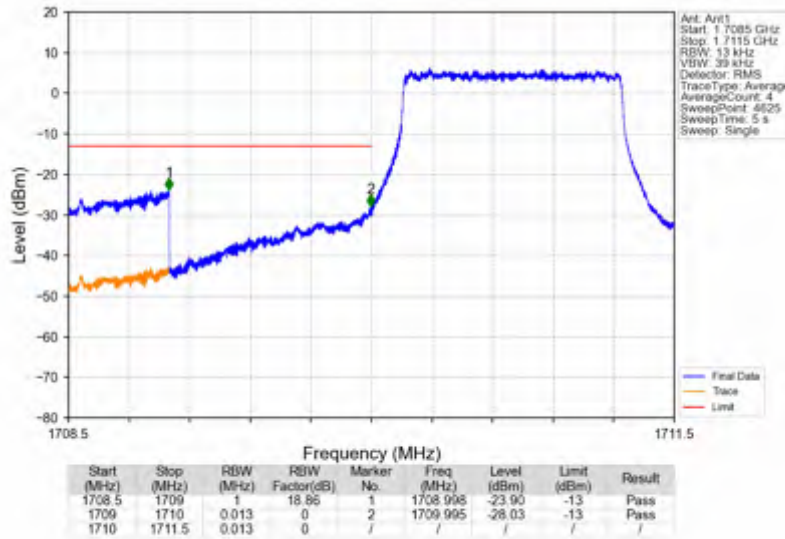


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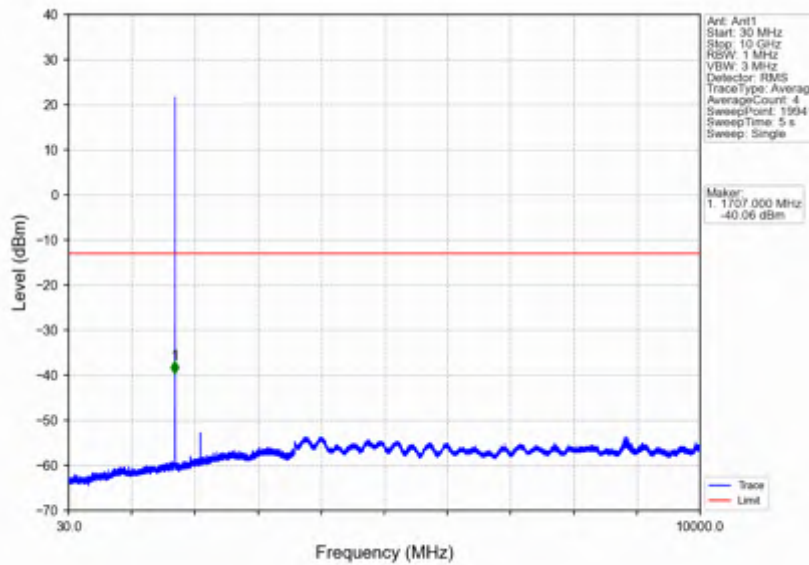
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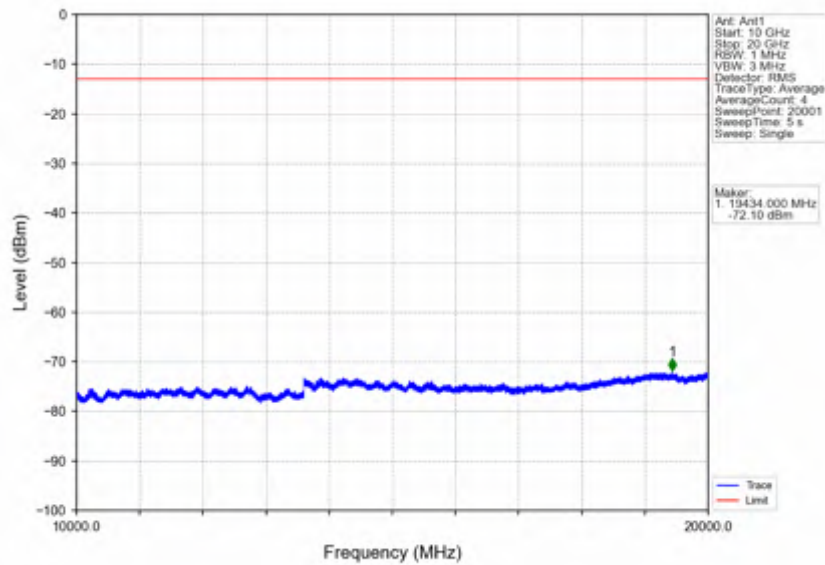


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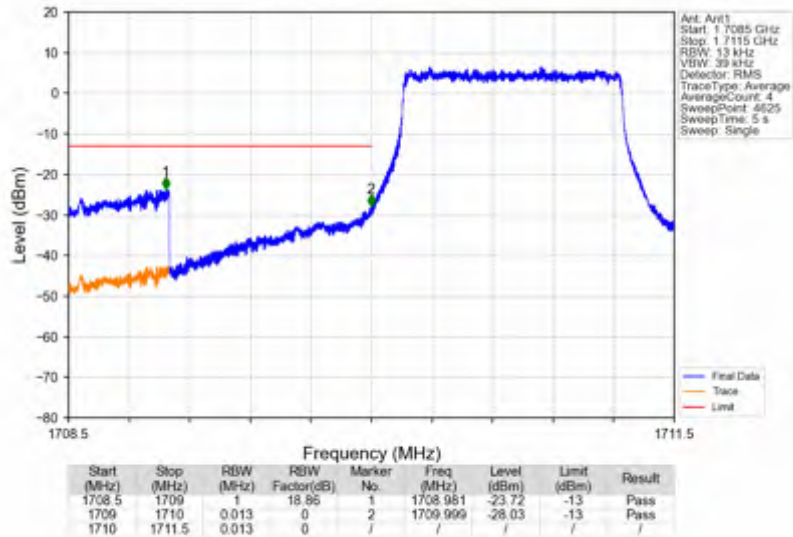
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Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

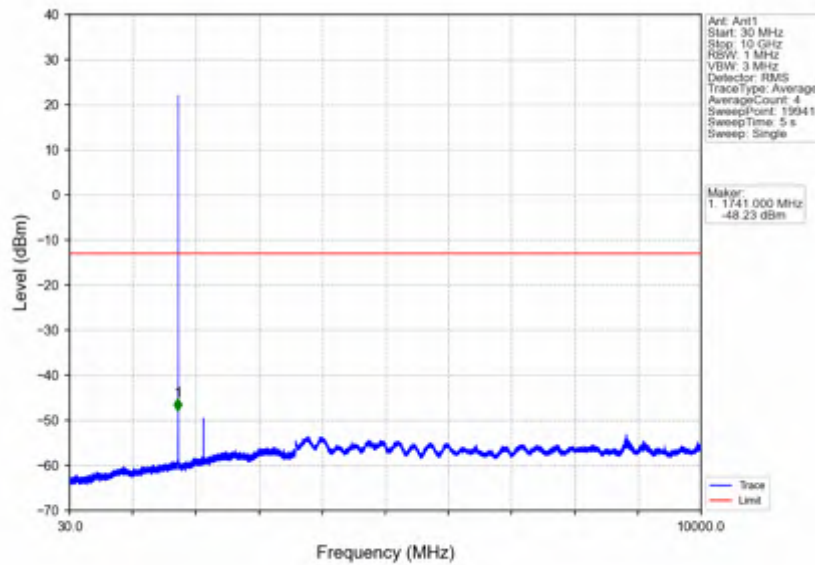


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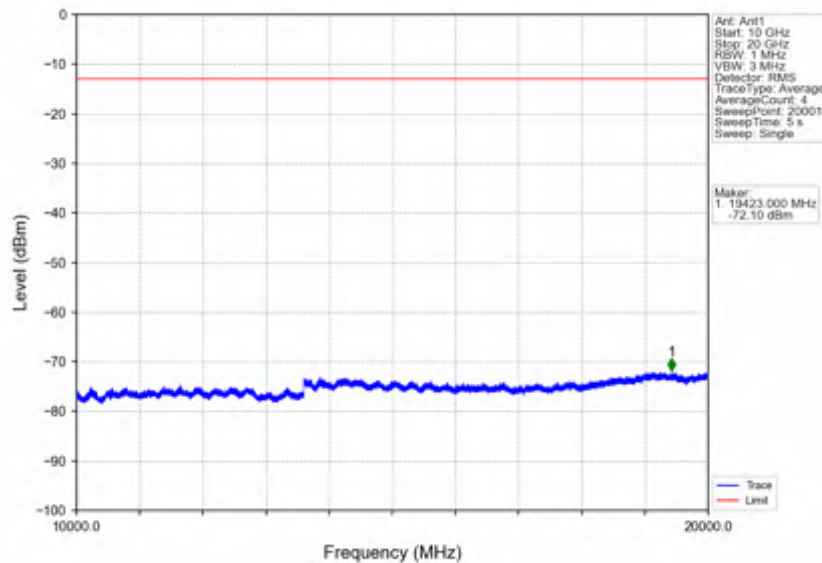
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Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



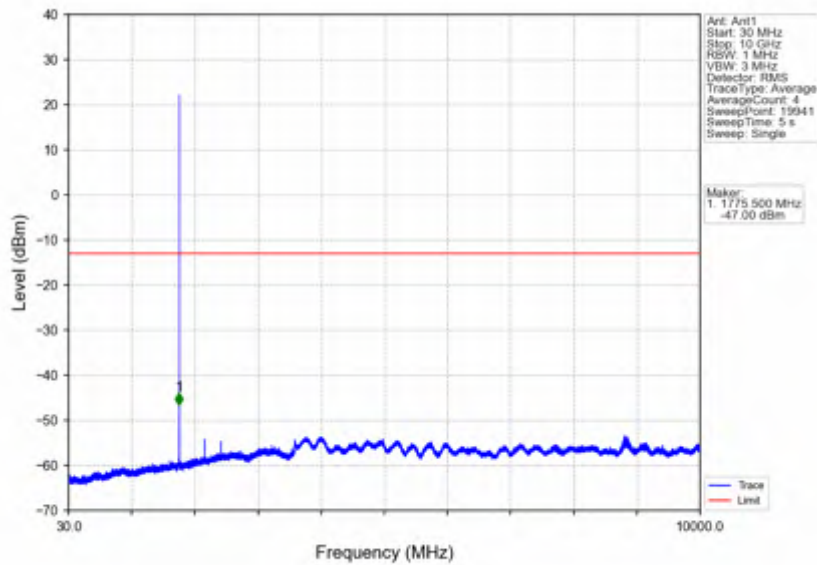
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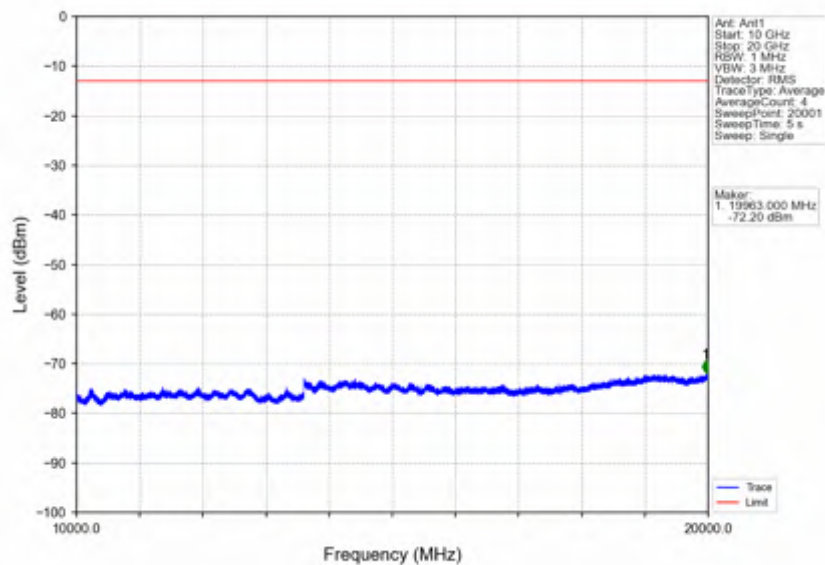
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Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



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