

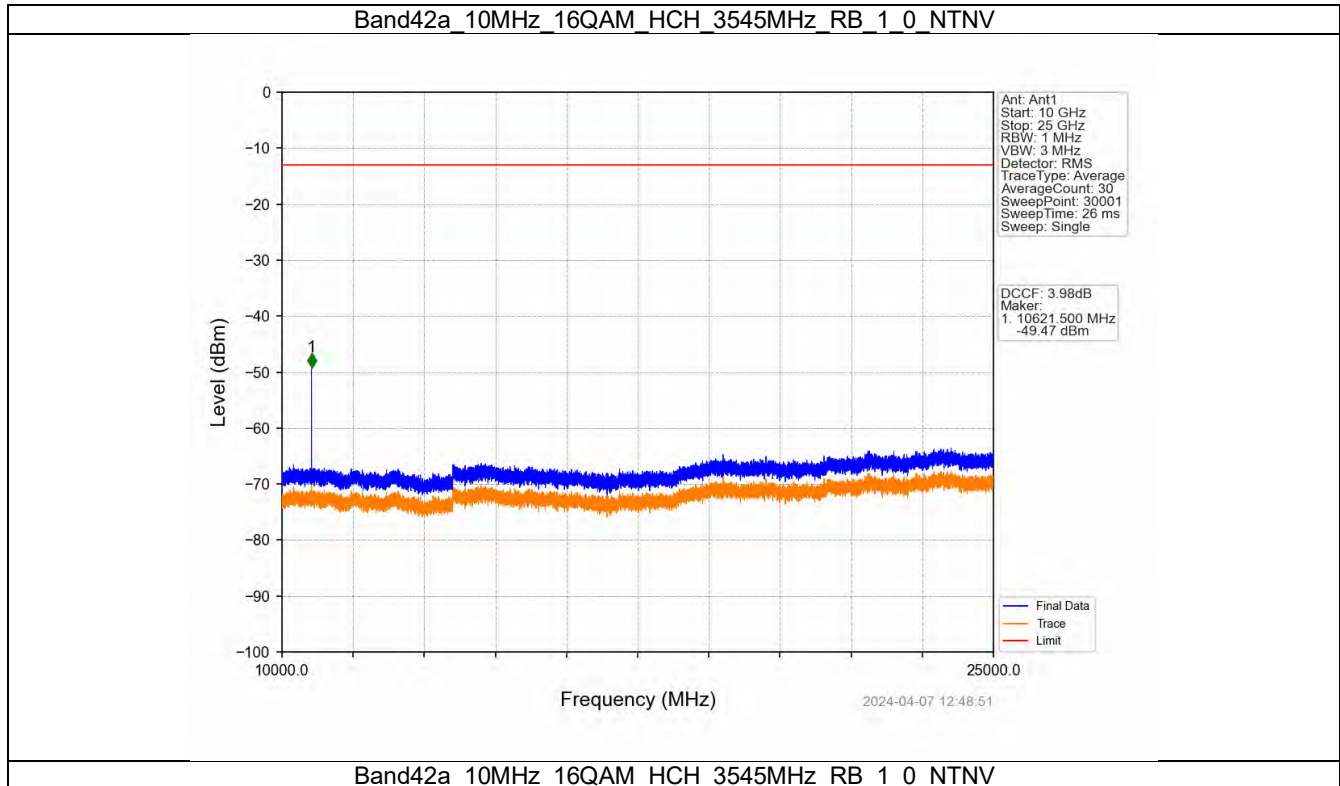


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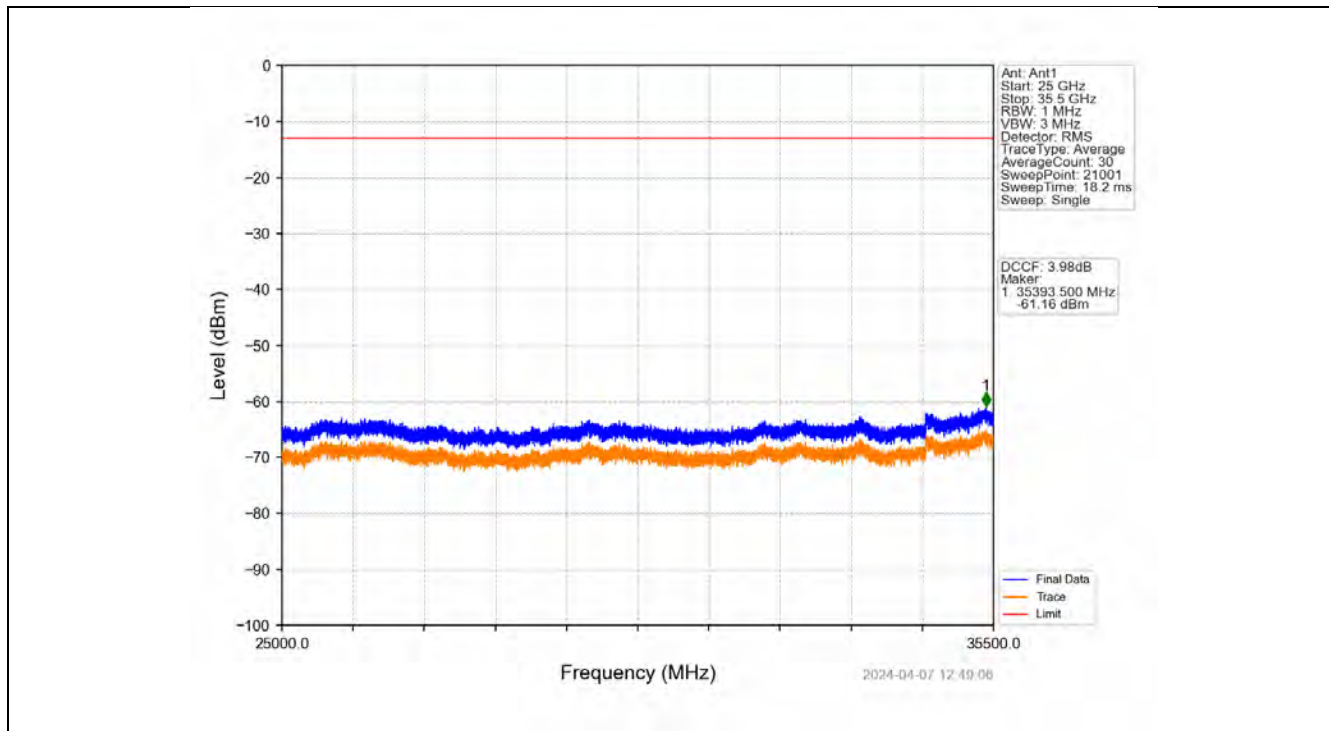
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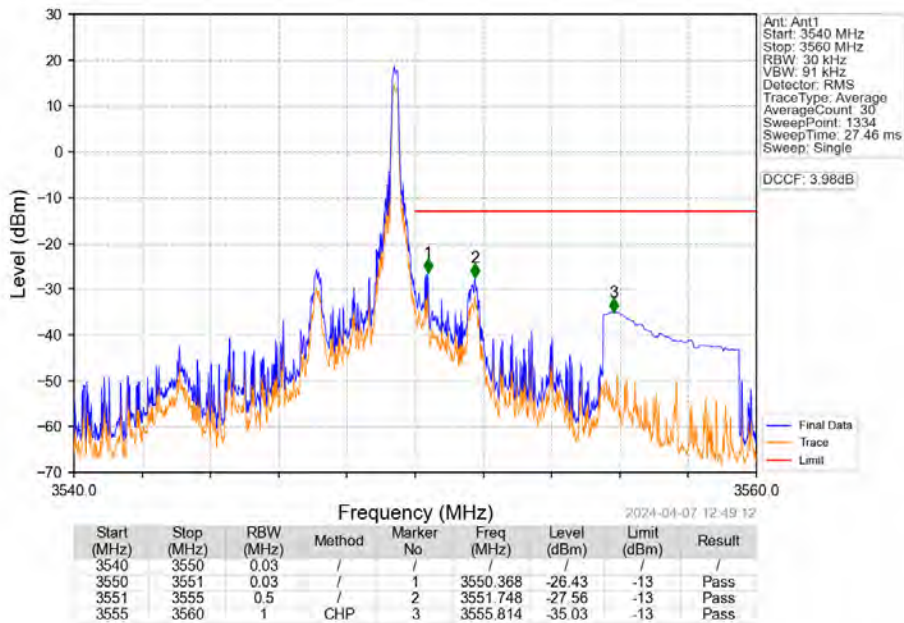
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Band42a_10MHz_16QAM_HCH_3545MHz_RB_1_49_NTNV



Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



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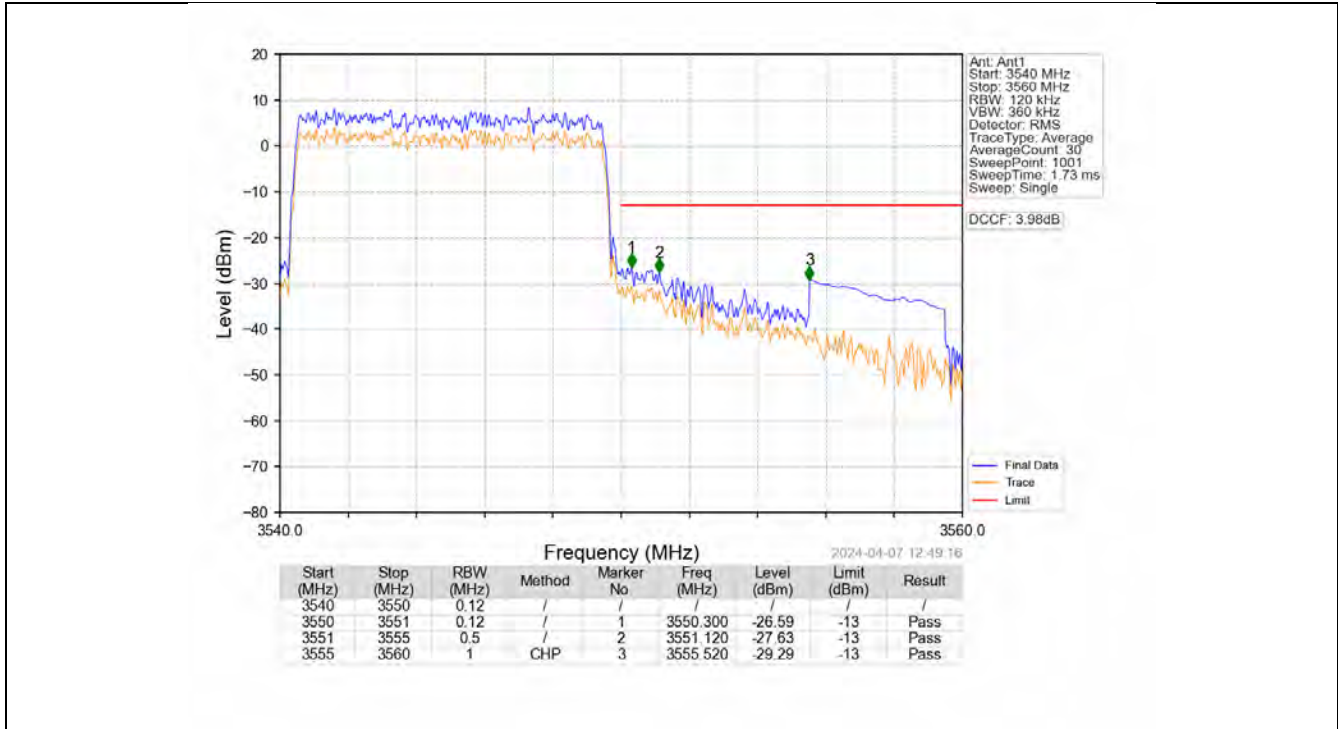


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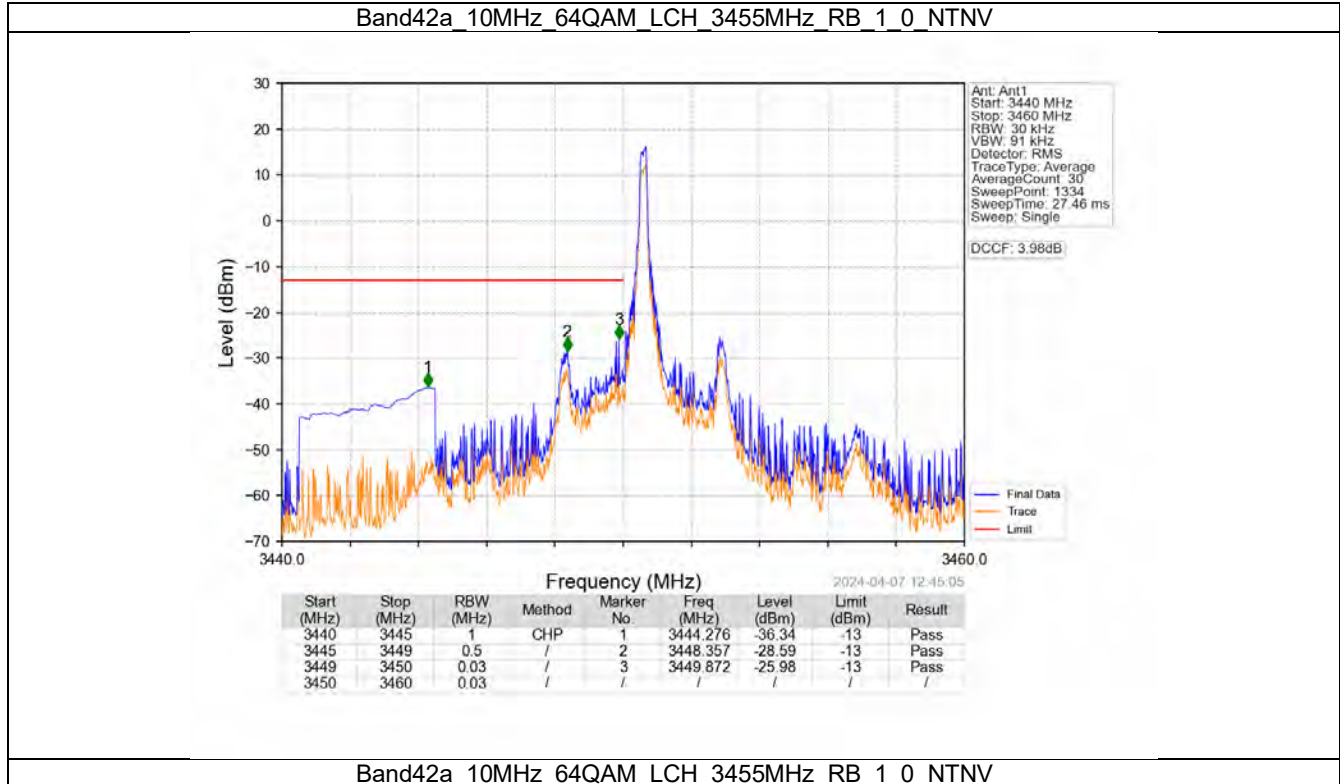


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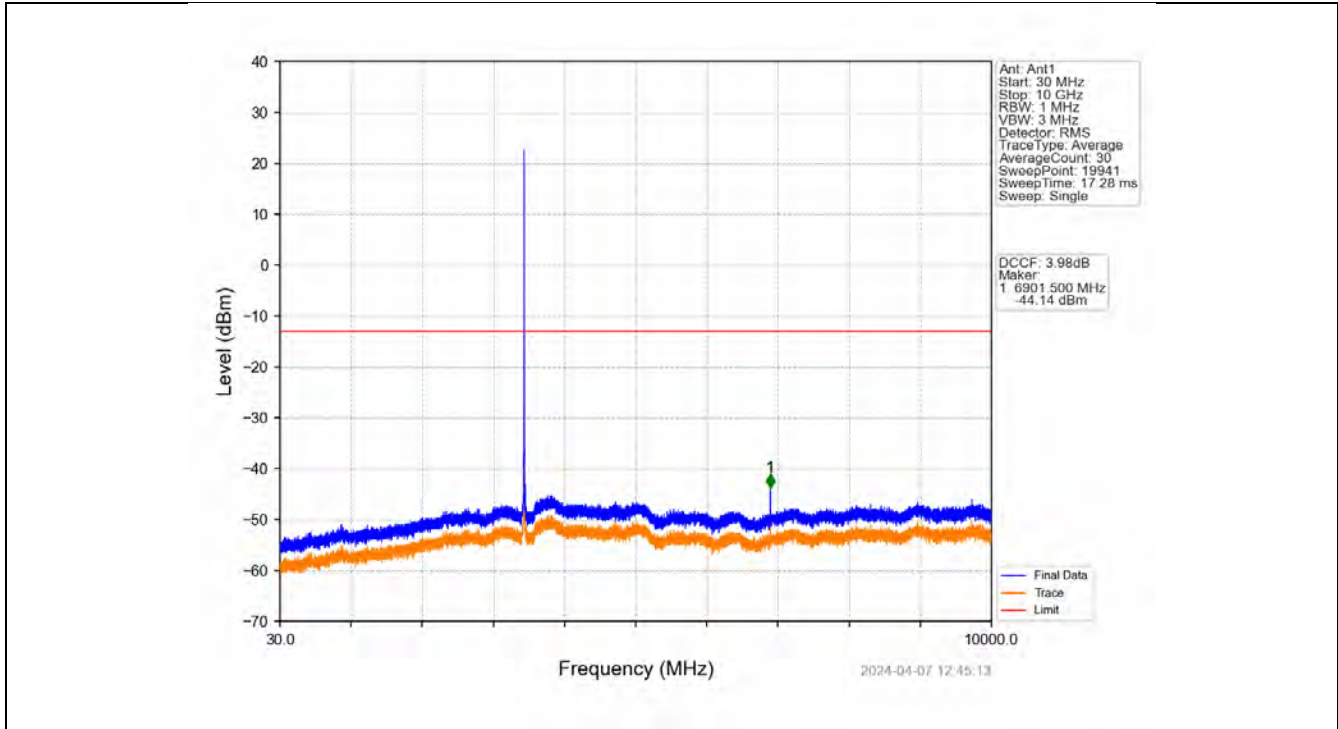


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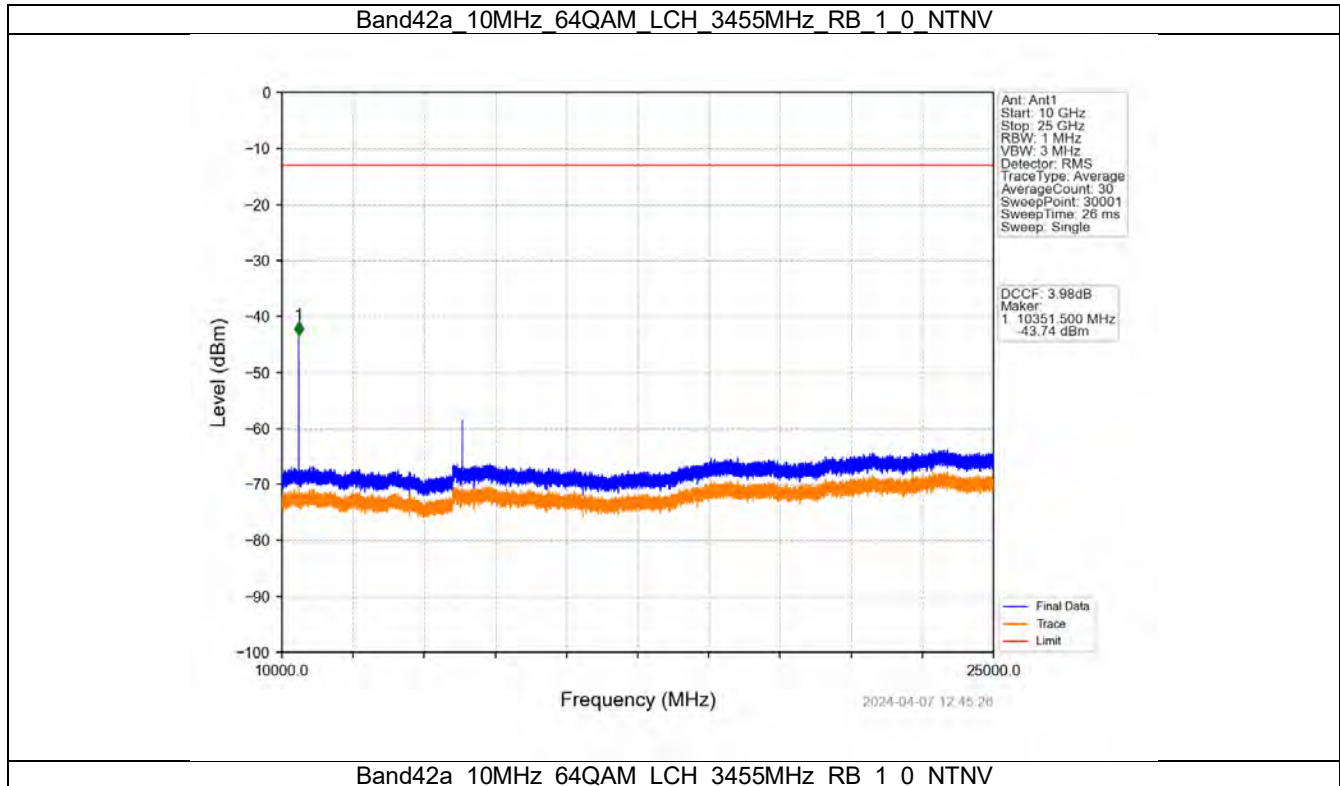


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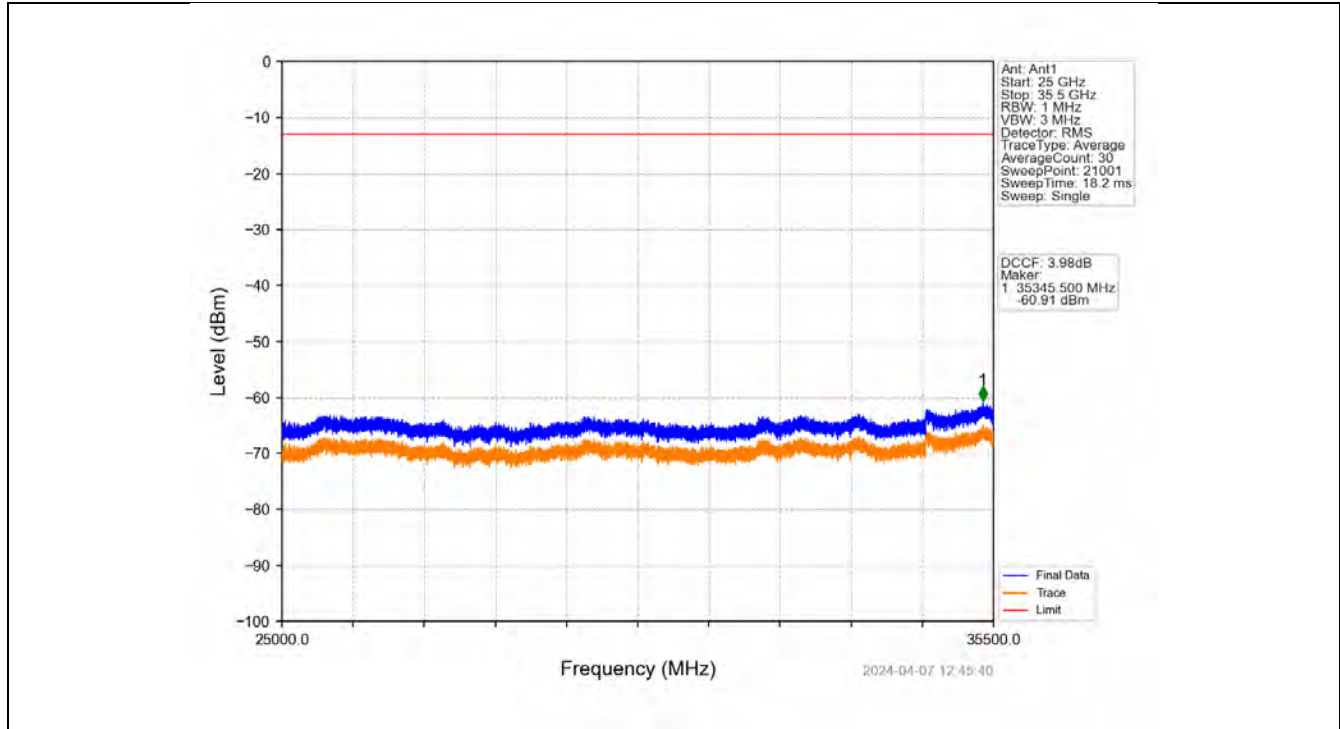


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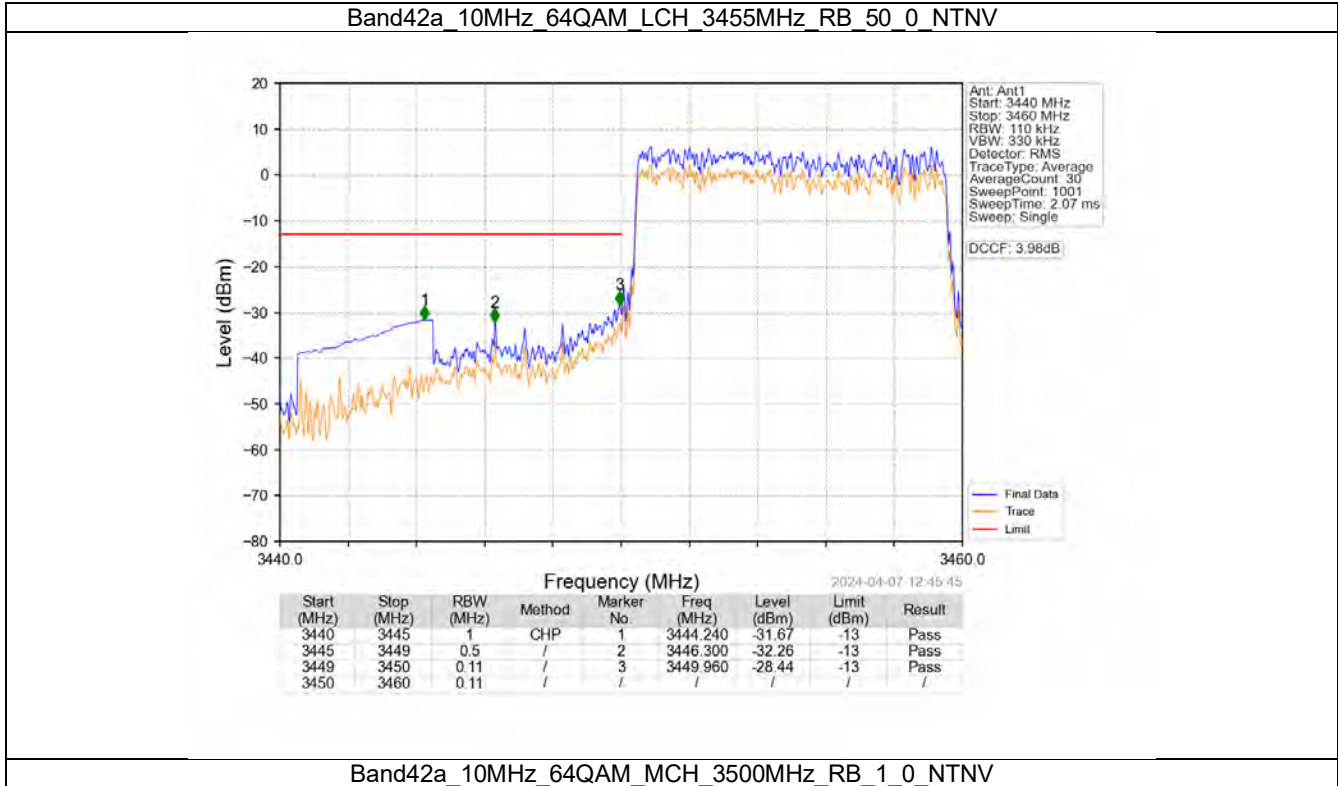


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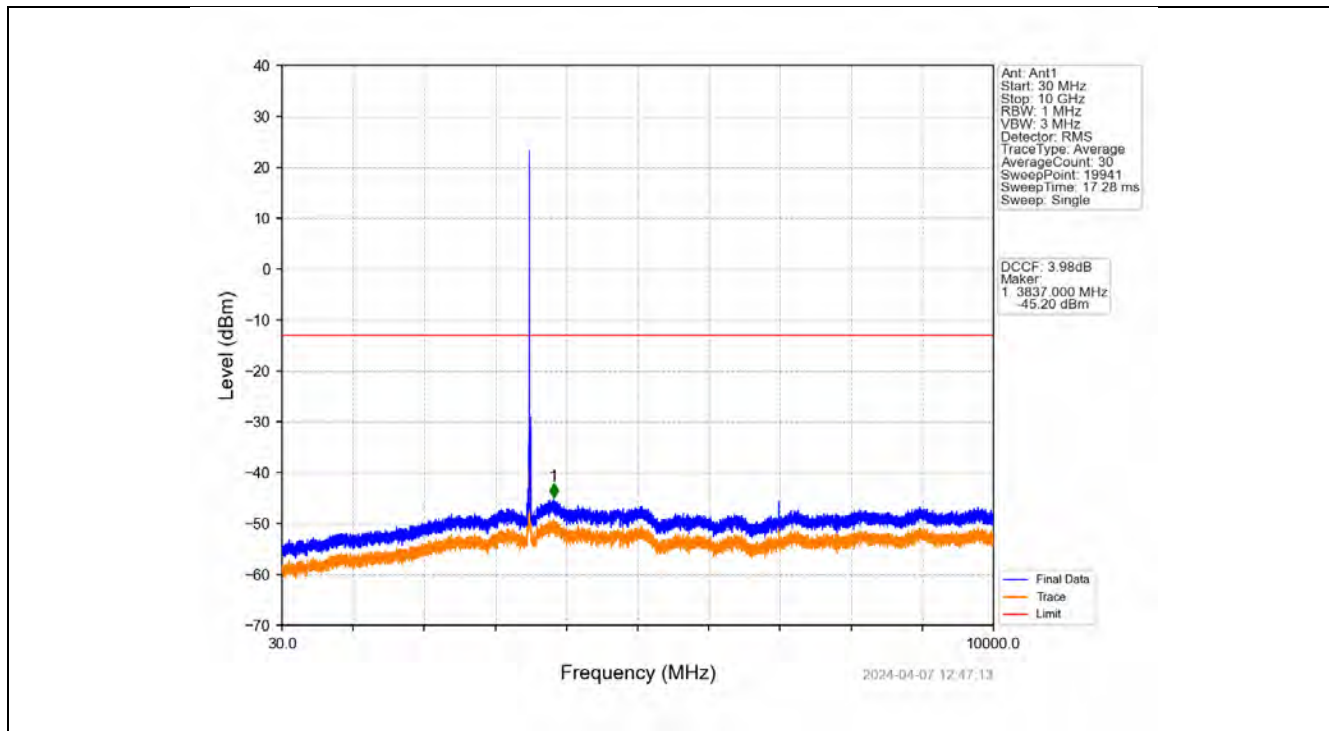
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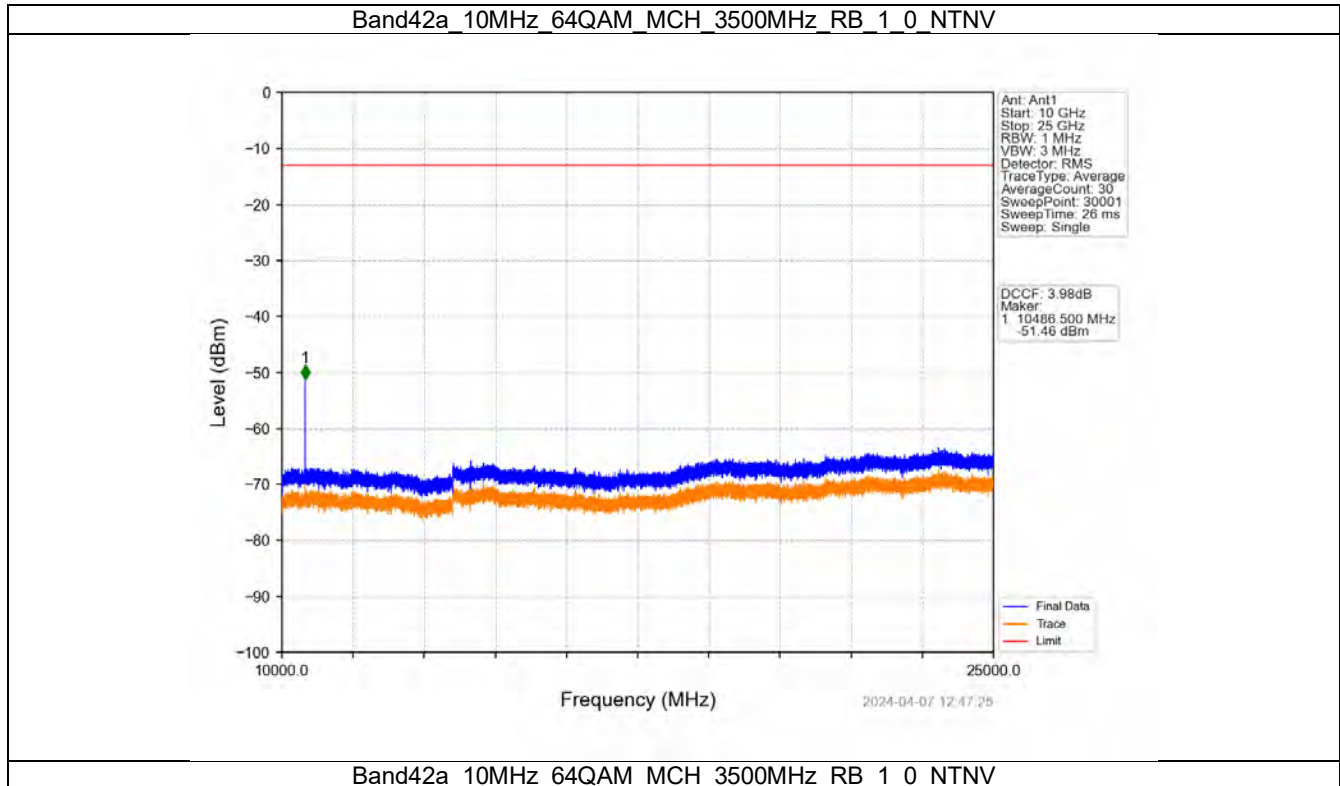


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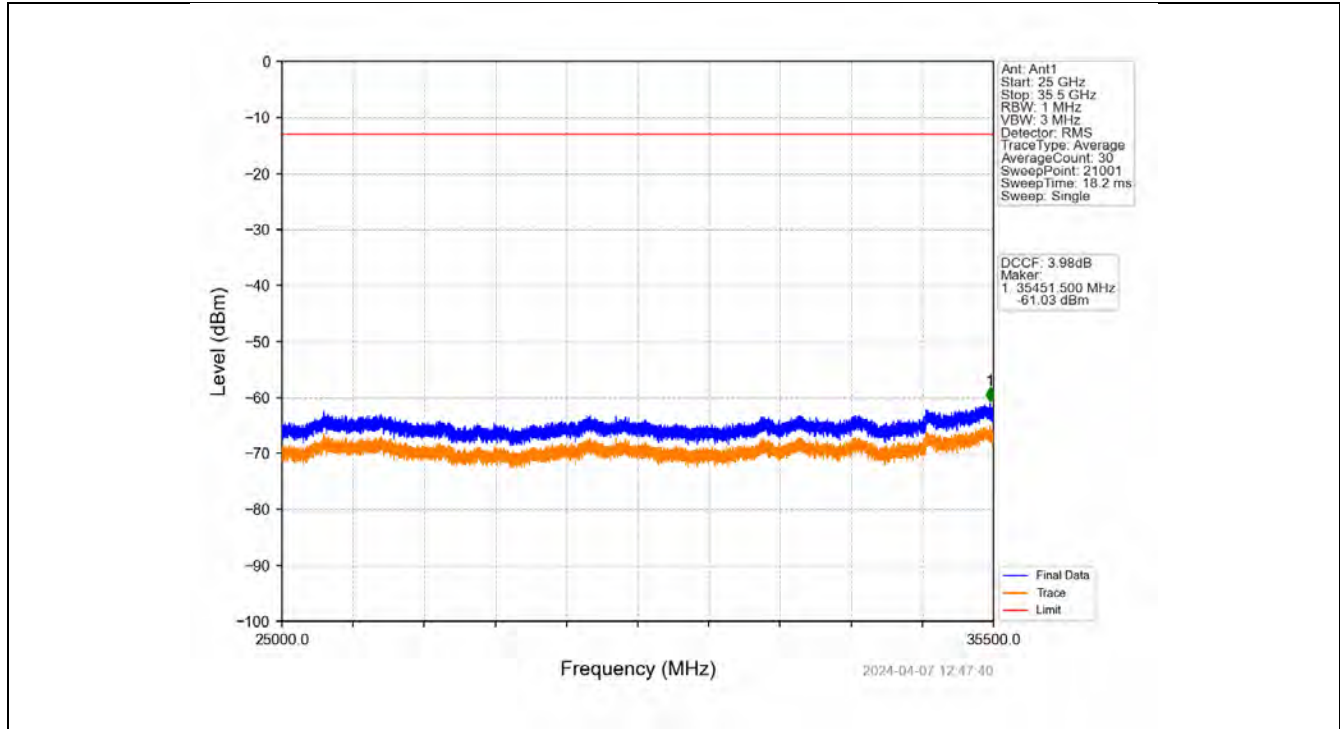


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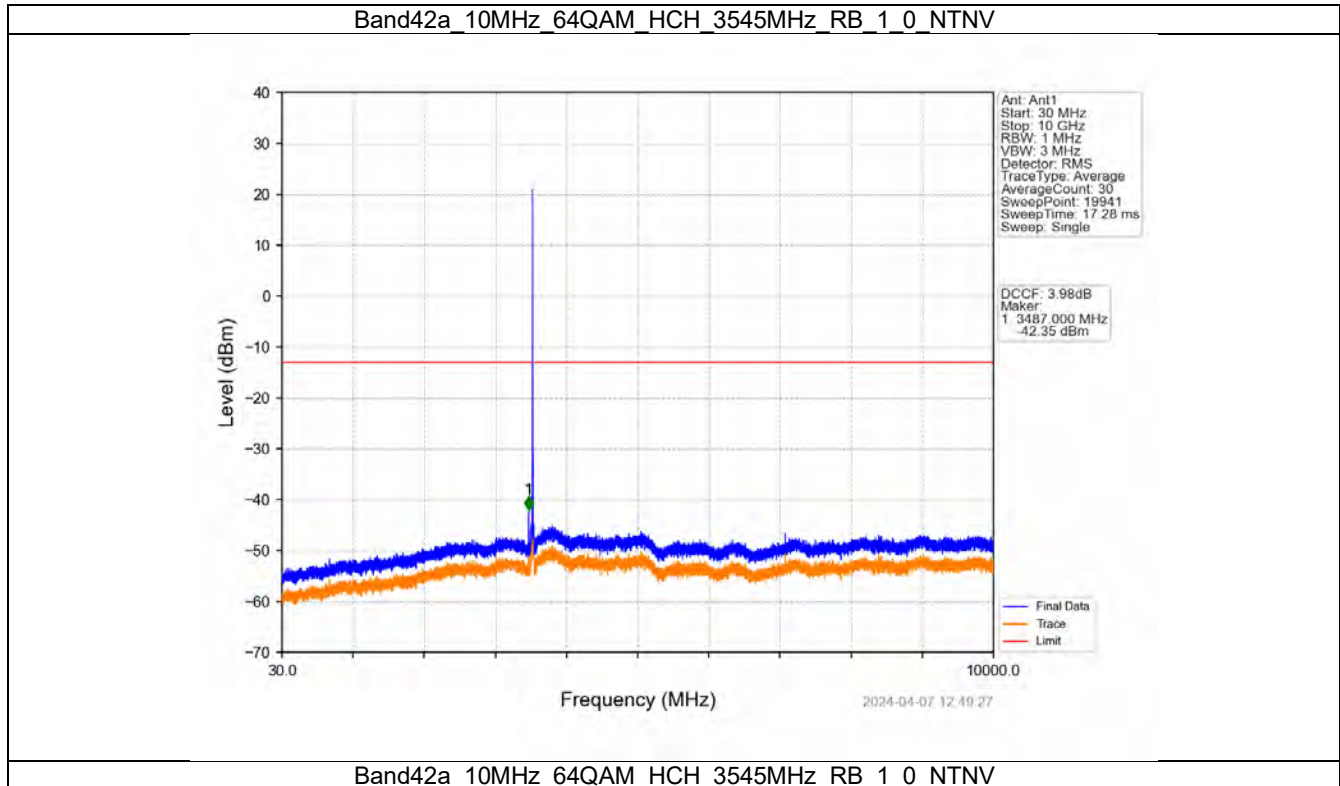


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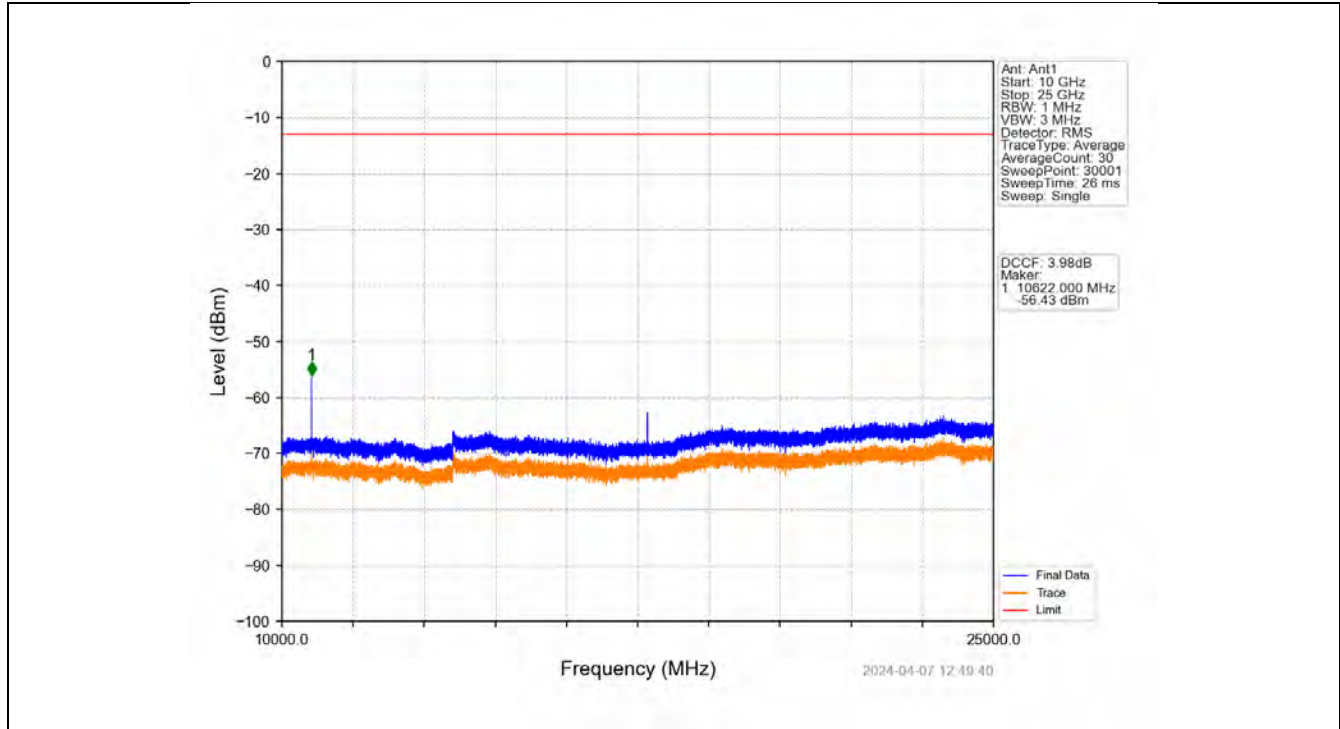


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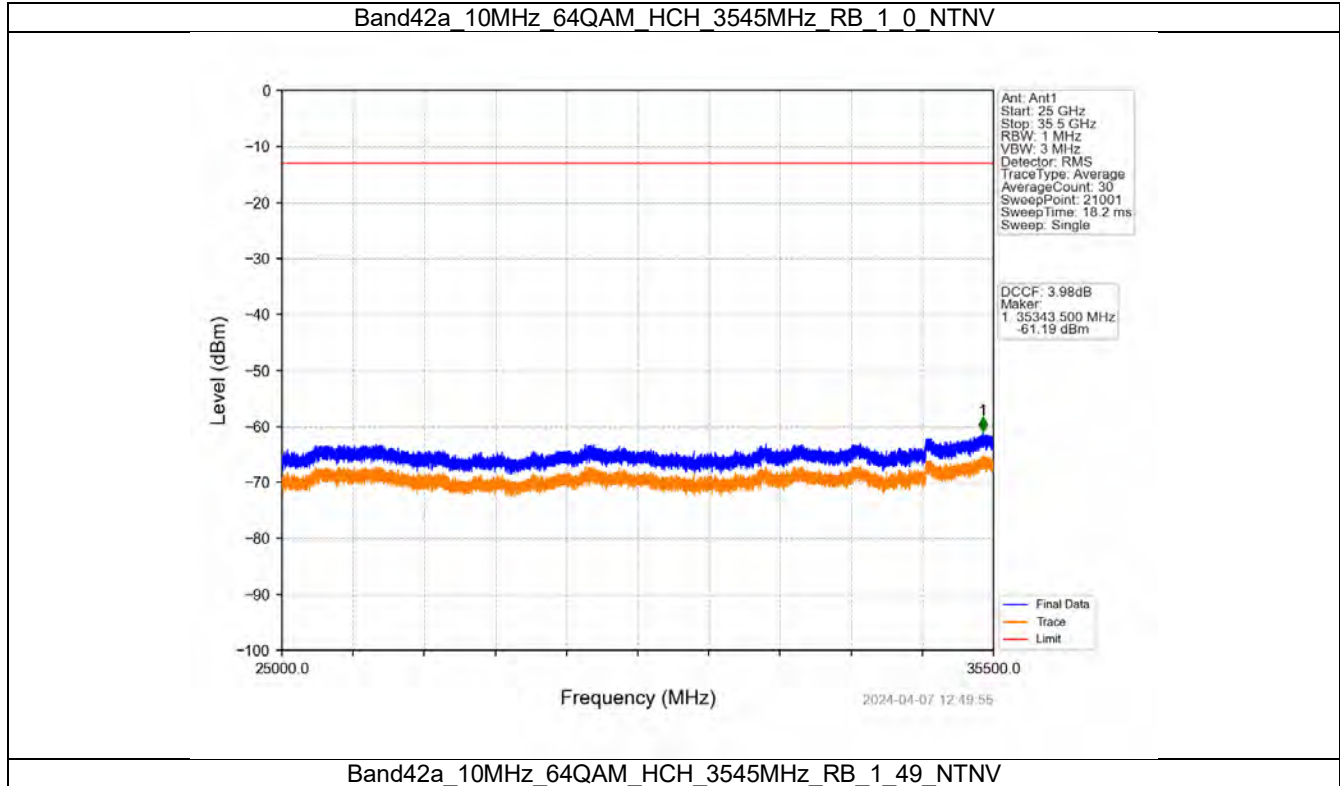


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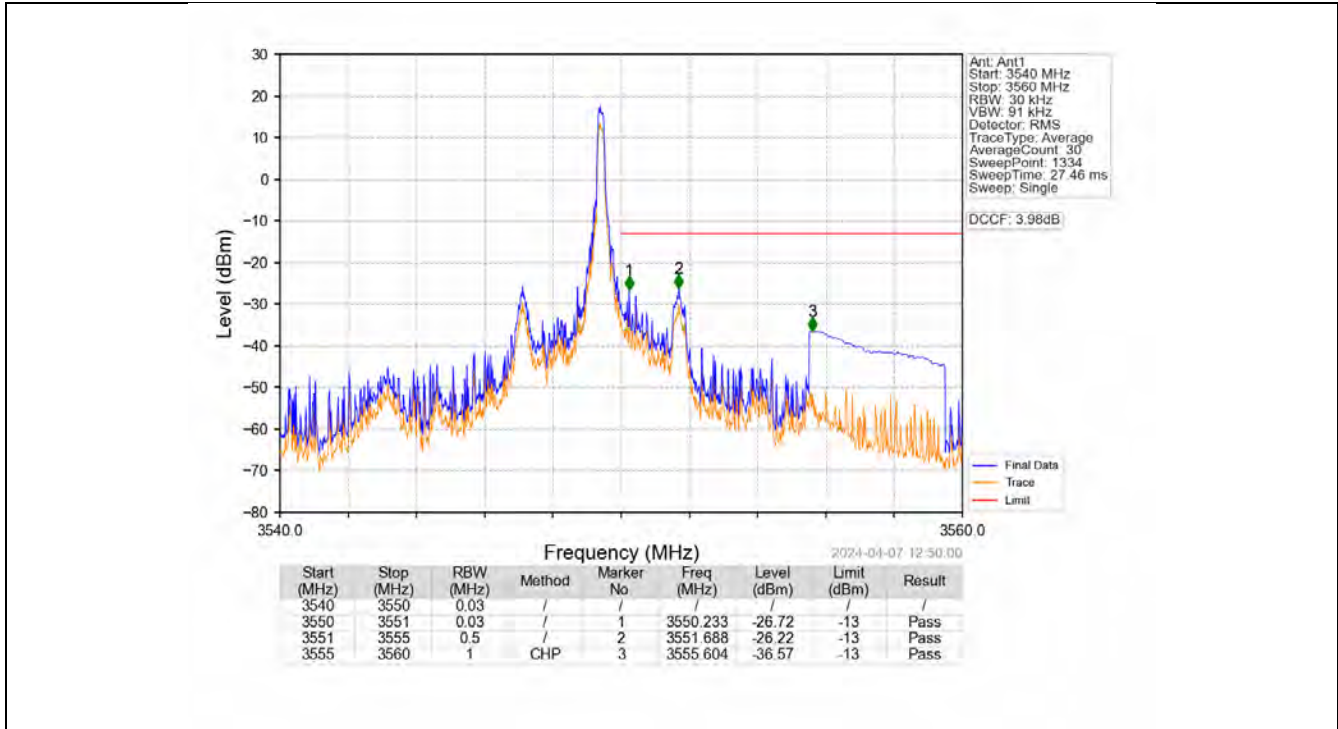


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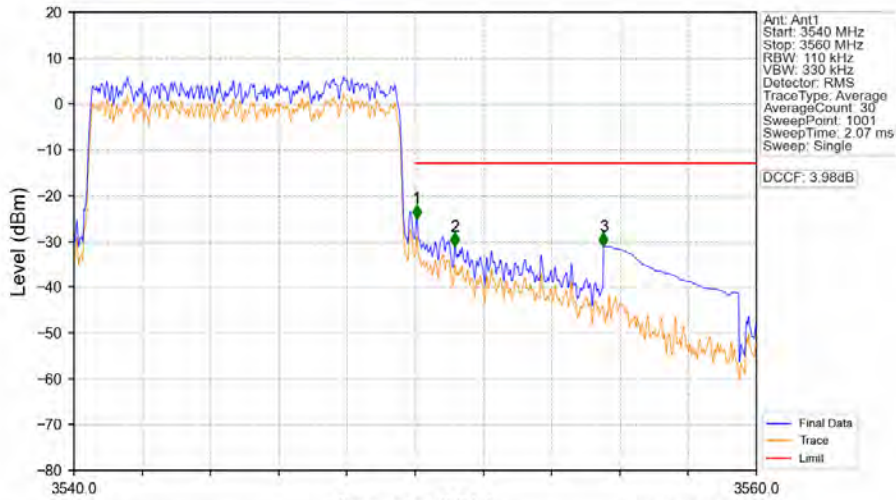
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Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3540	3550	0.11	/	/	/	/	/	/
3550	3551	0.11	/	1	3550.040	-25.06	-13	Pass
3551	3555	0.5	/	2	3551.160	-31.17	-13	Pass
3555	3560	1	CHP	3	3555.520	-31.16	-13	Pass



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5.3 B42a_15MHz

5.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTN							
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
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
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	



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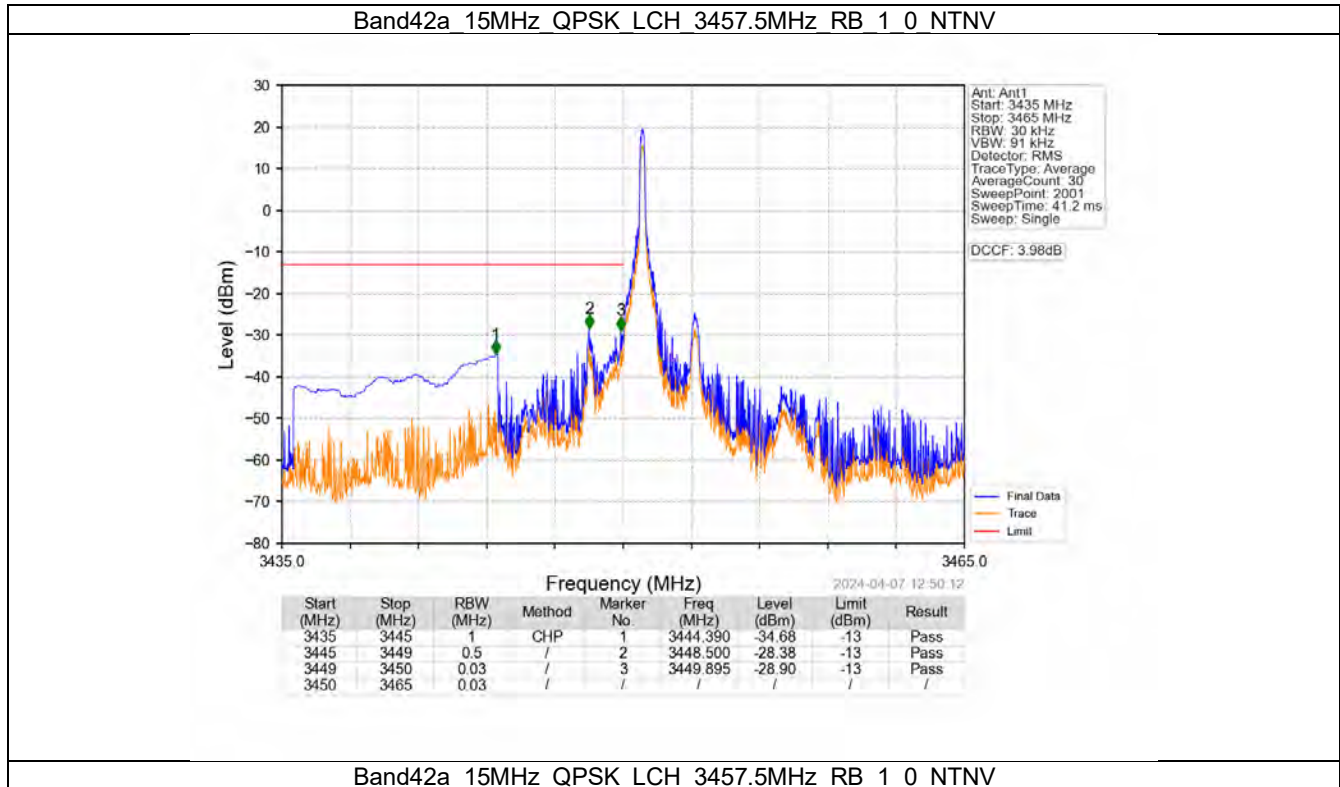
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5.3.2 Test Graph



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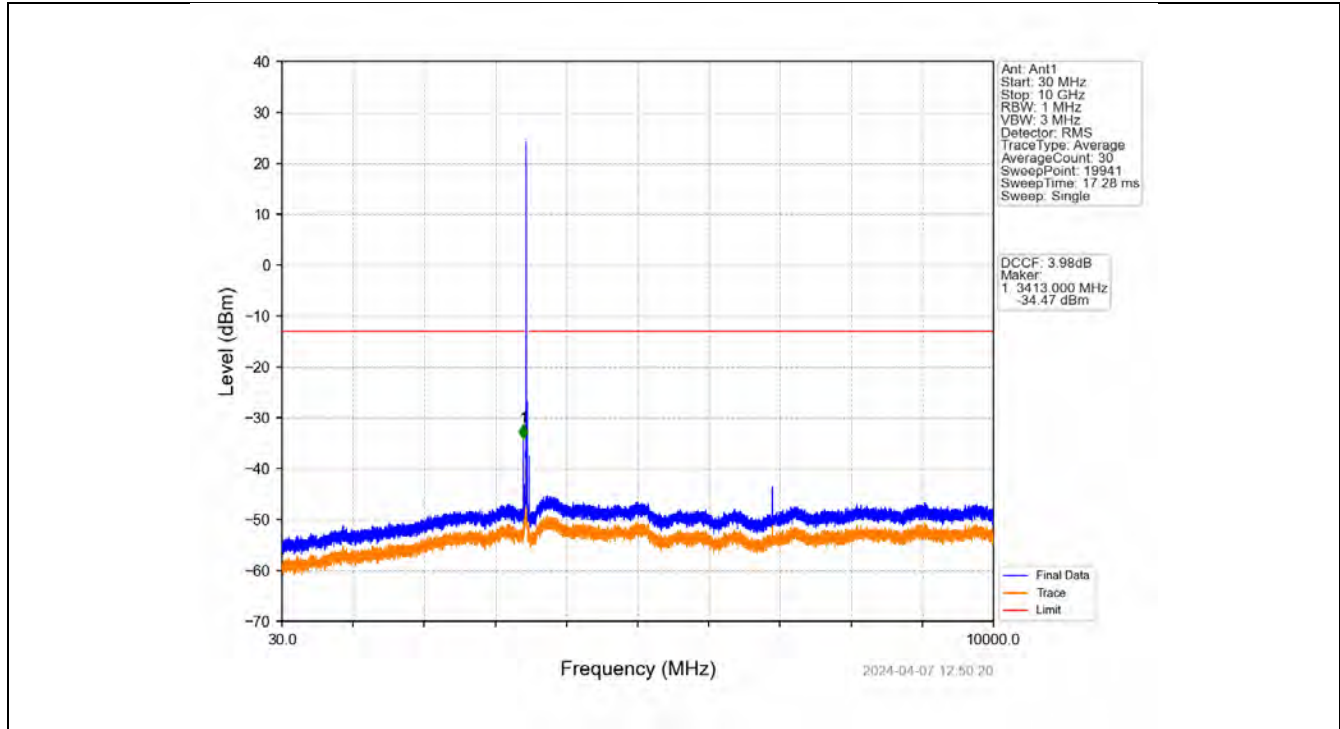


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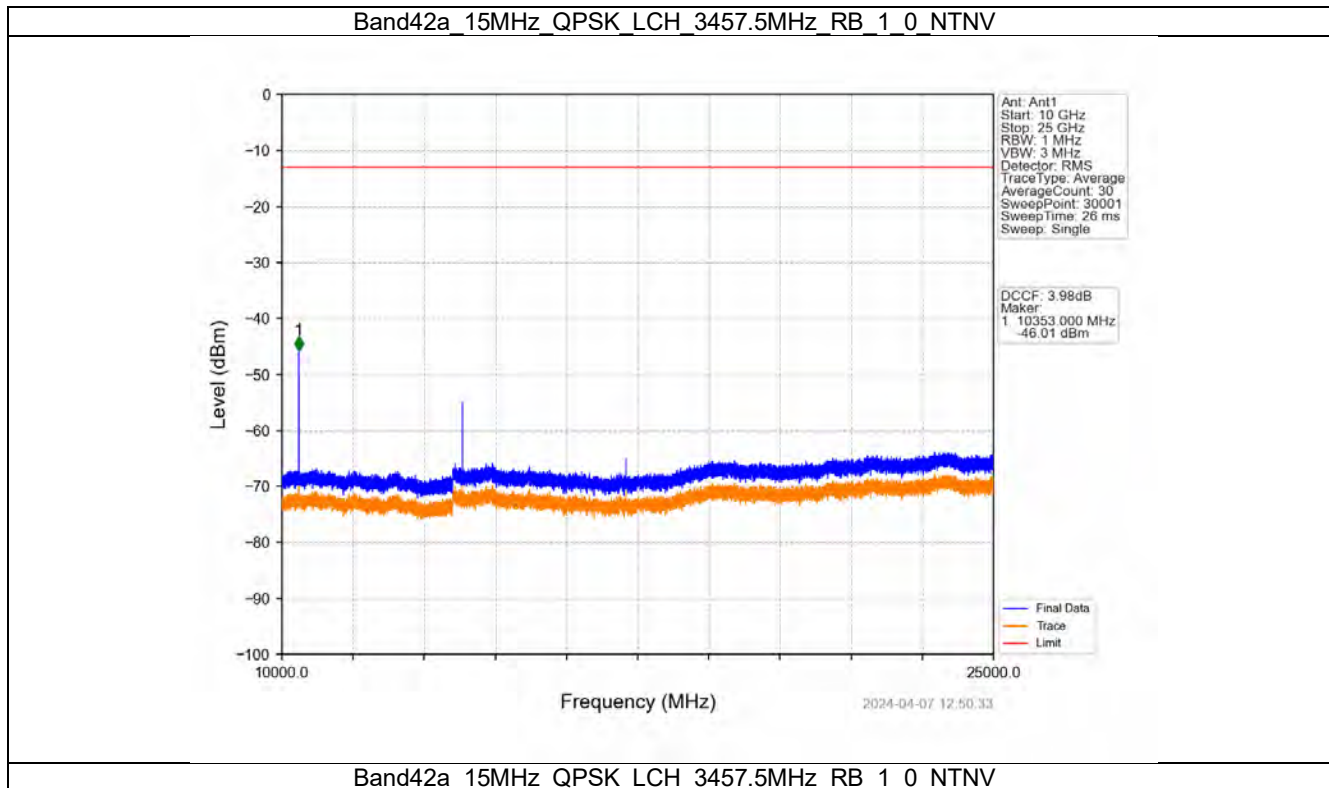
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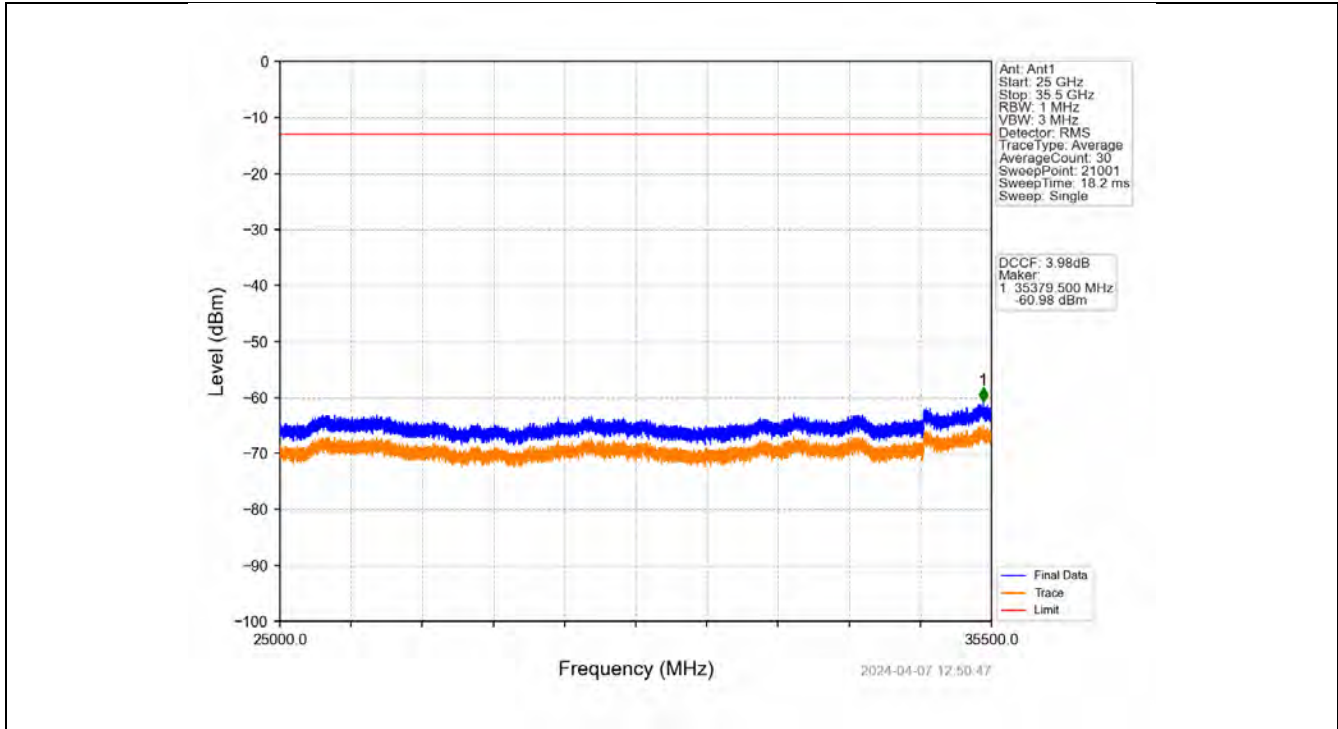


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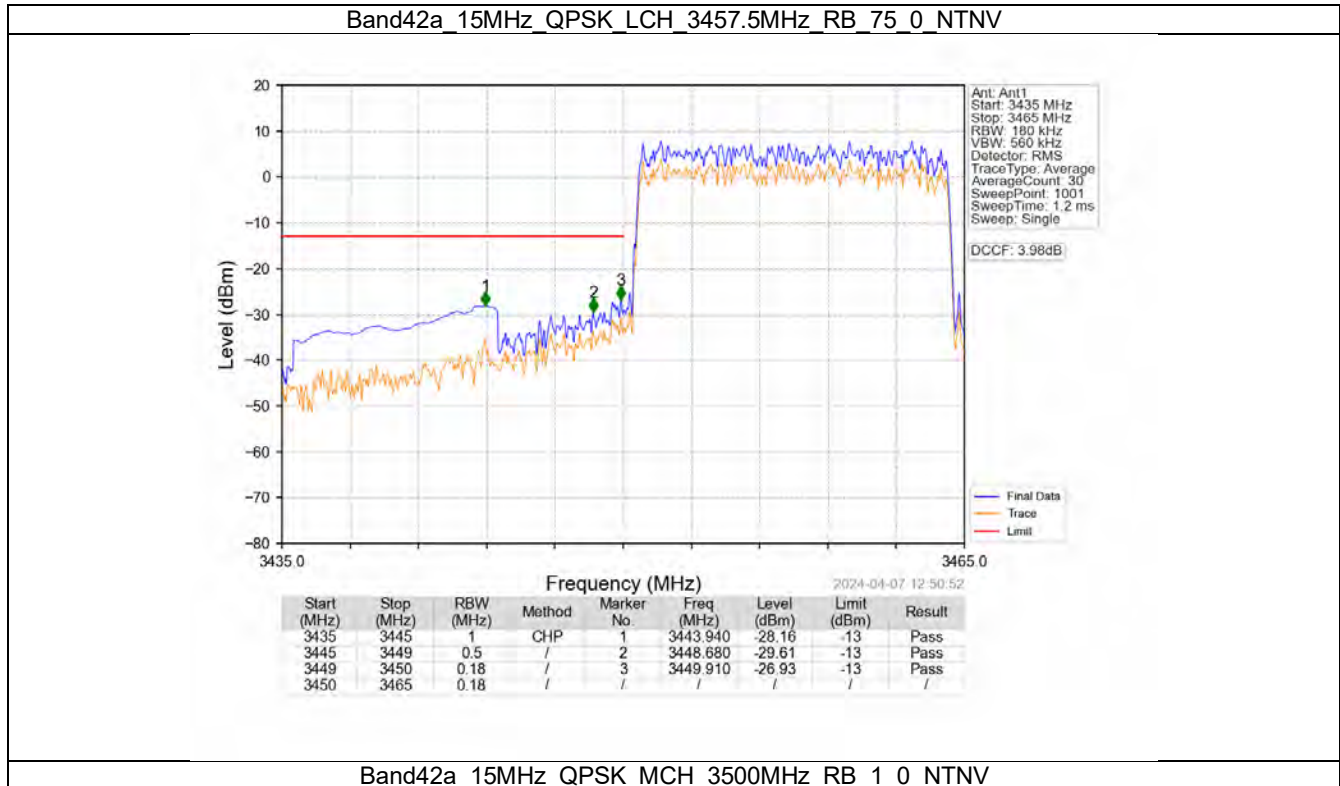


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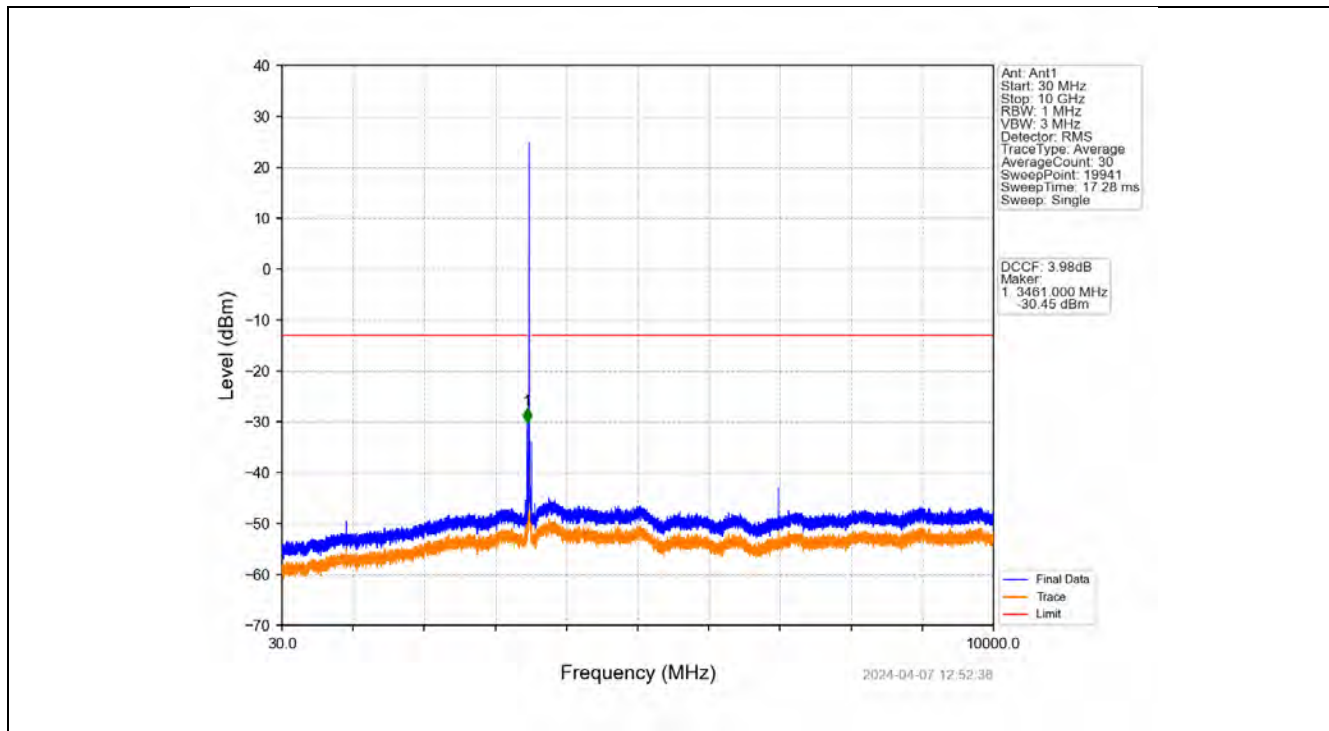
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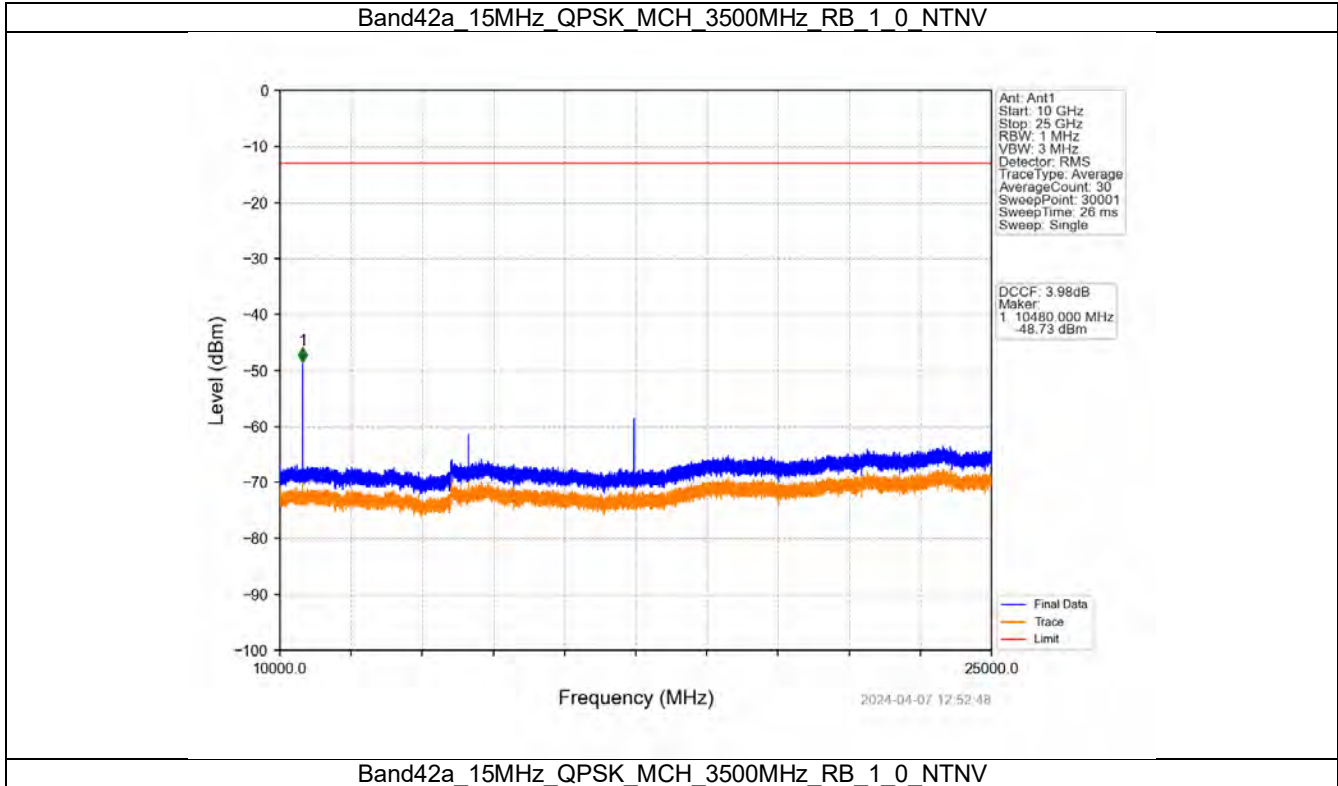


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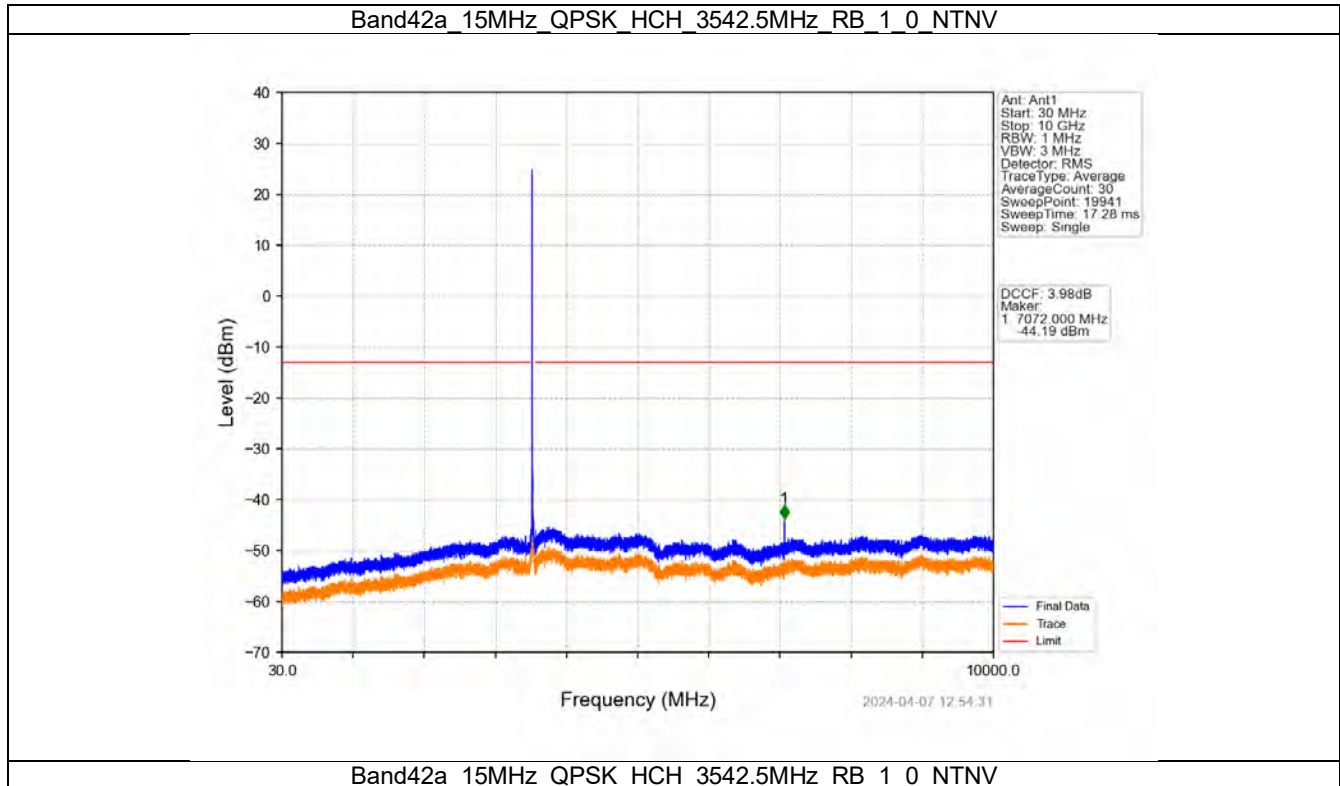


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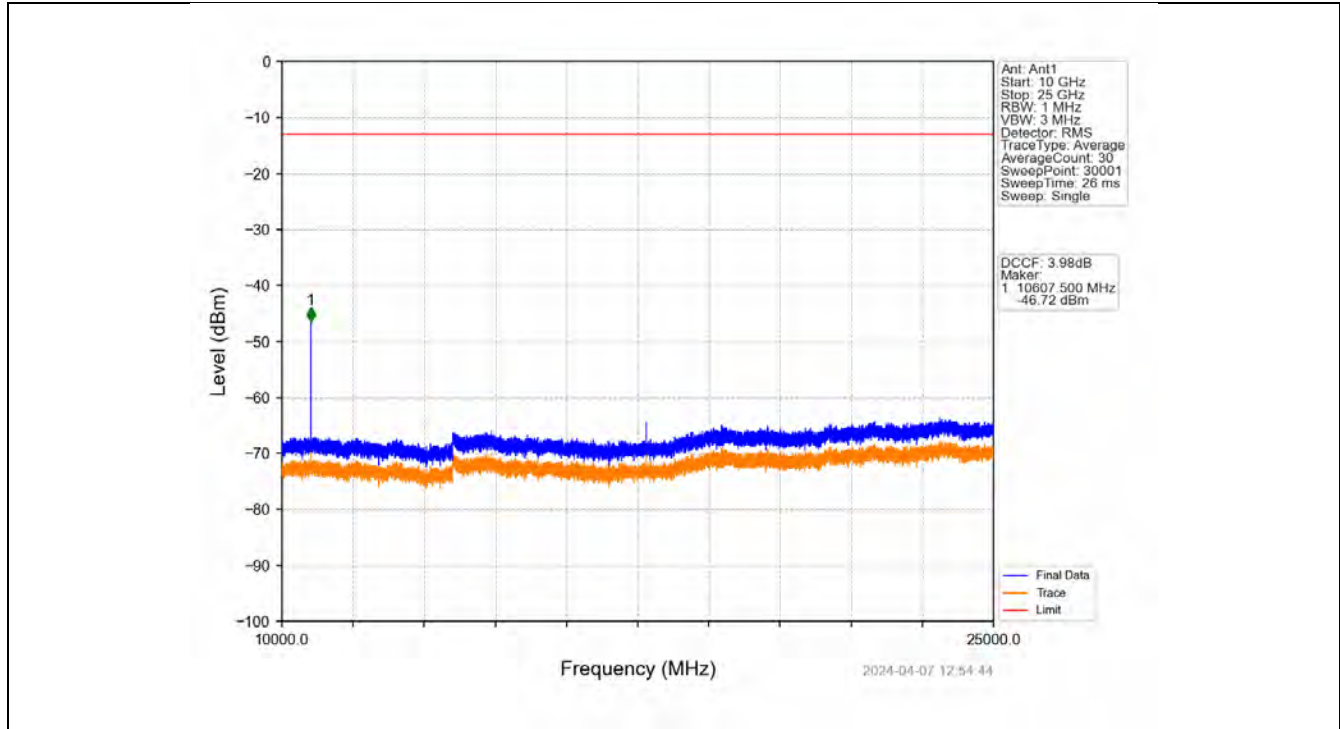


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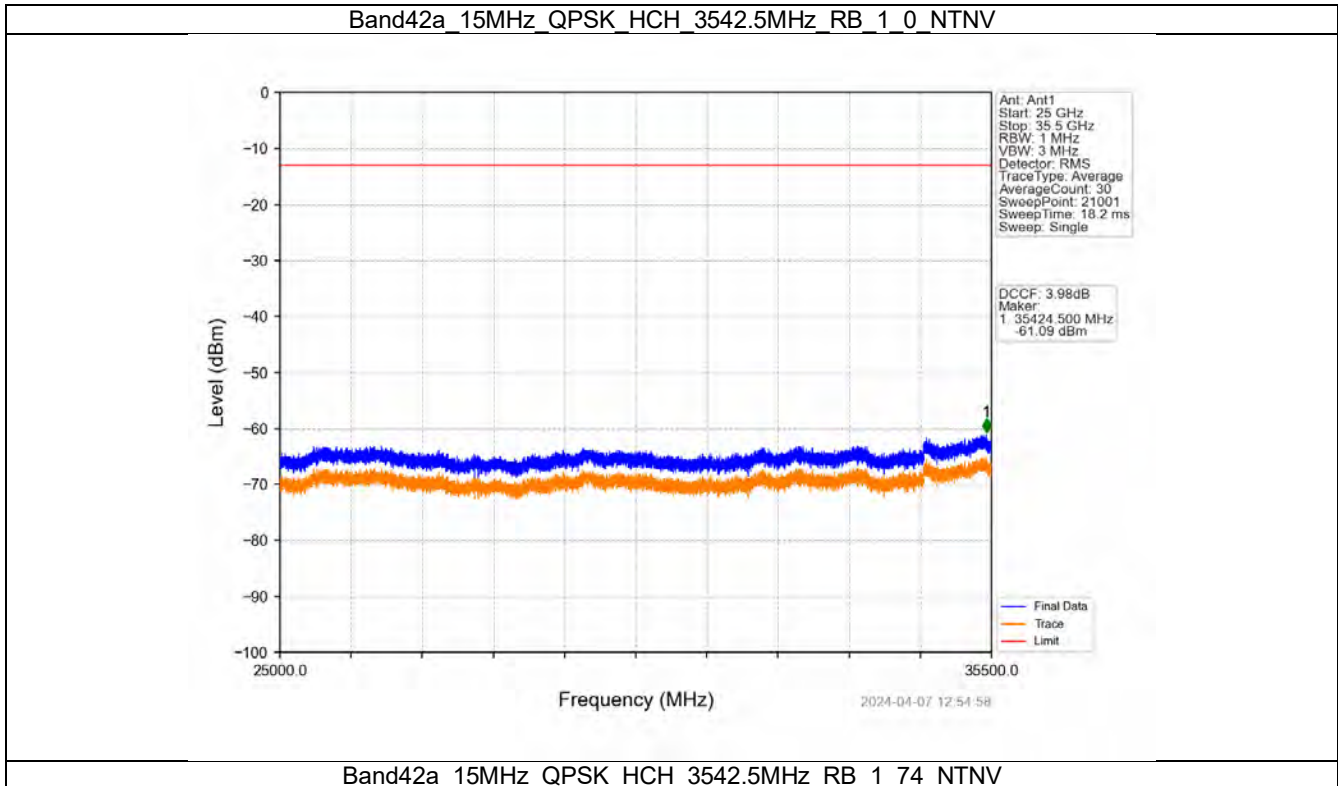


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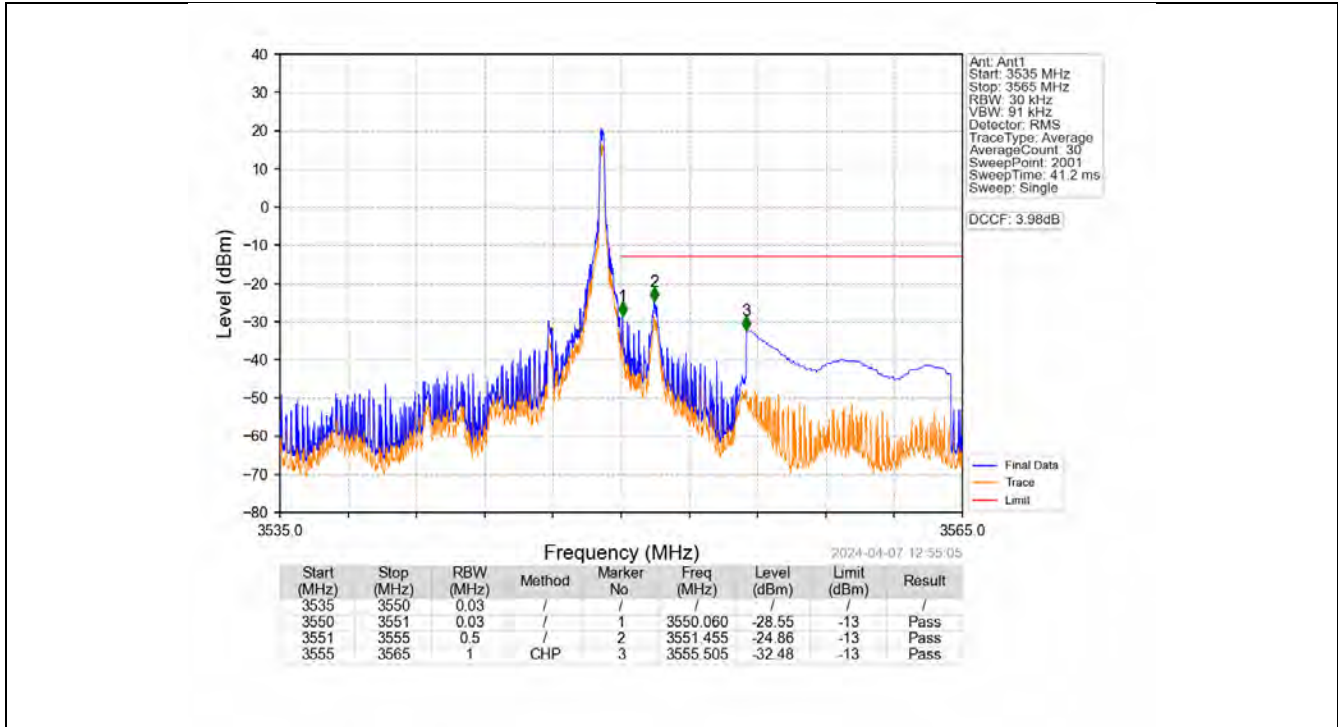


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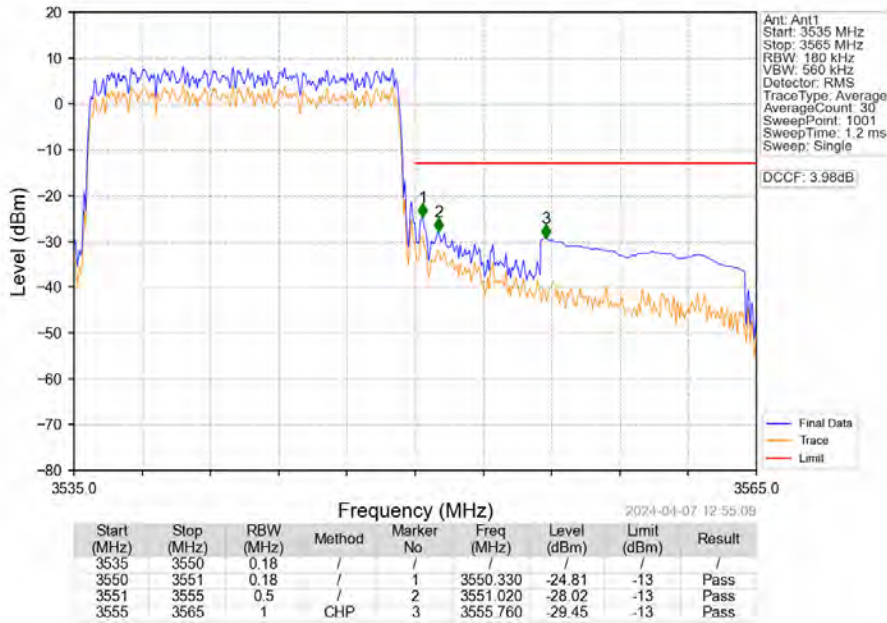
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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_1_0_NTNV



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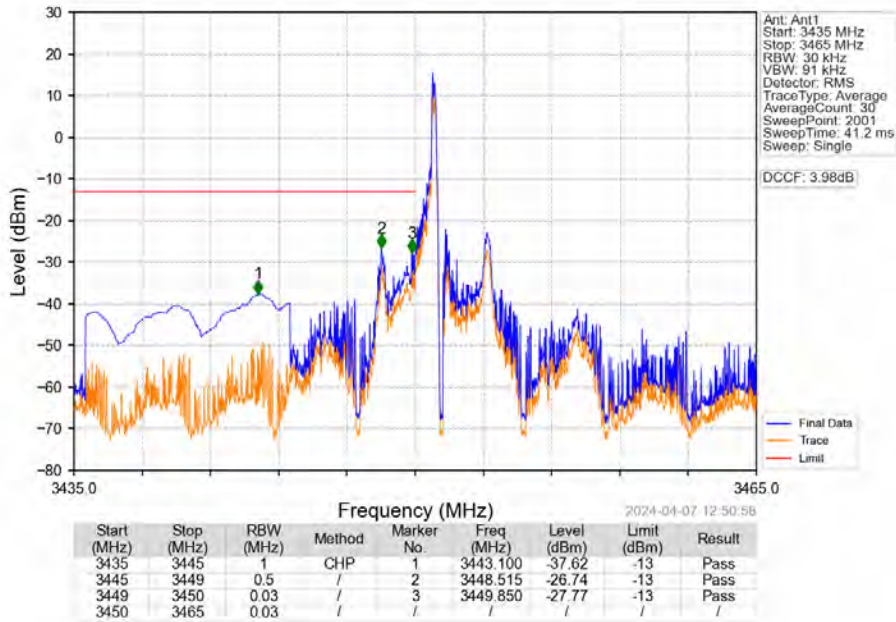


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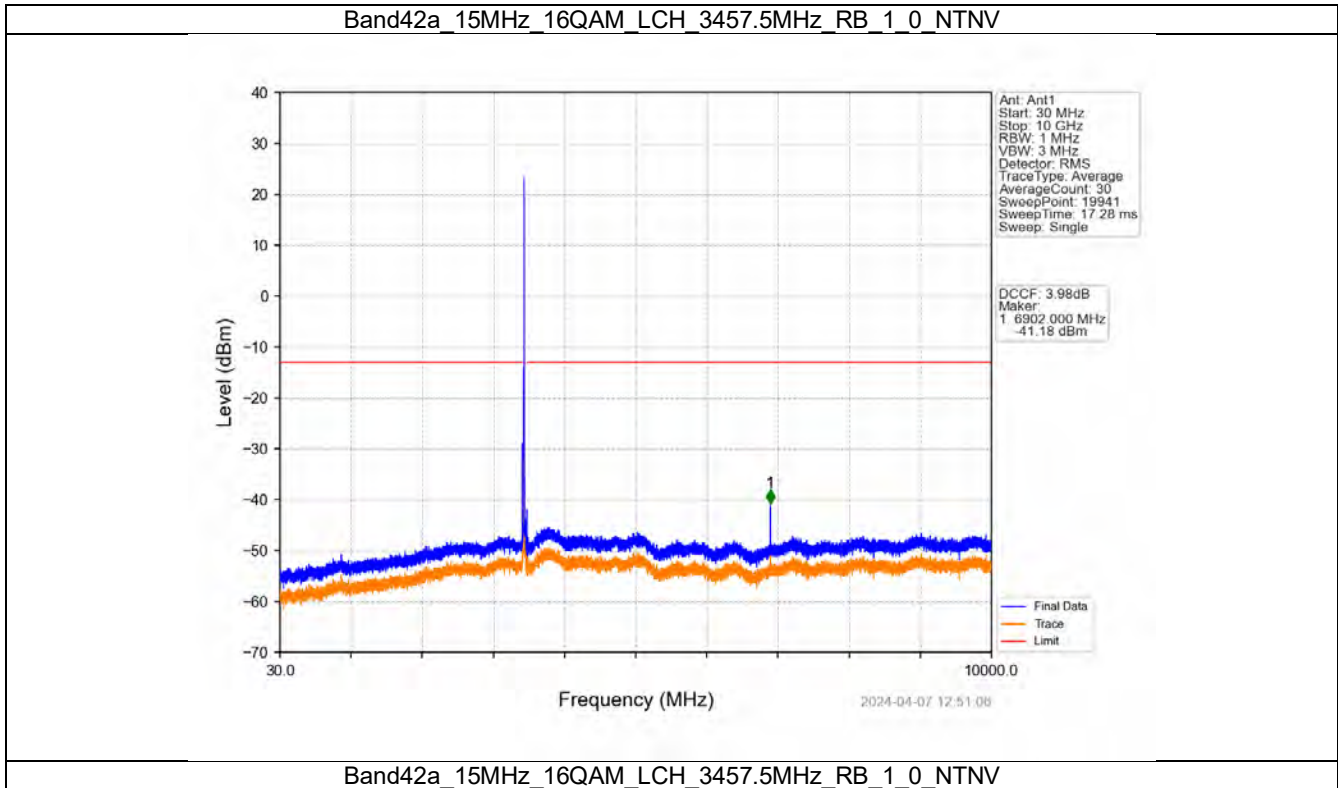


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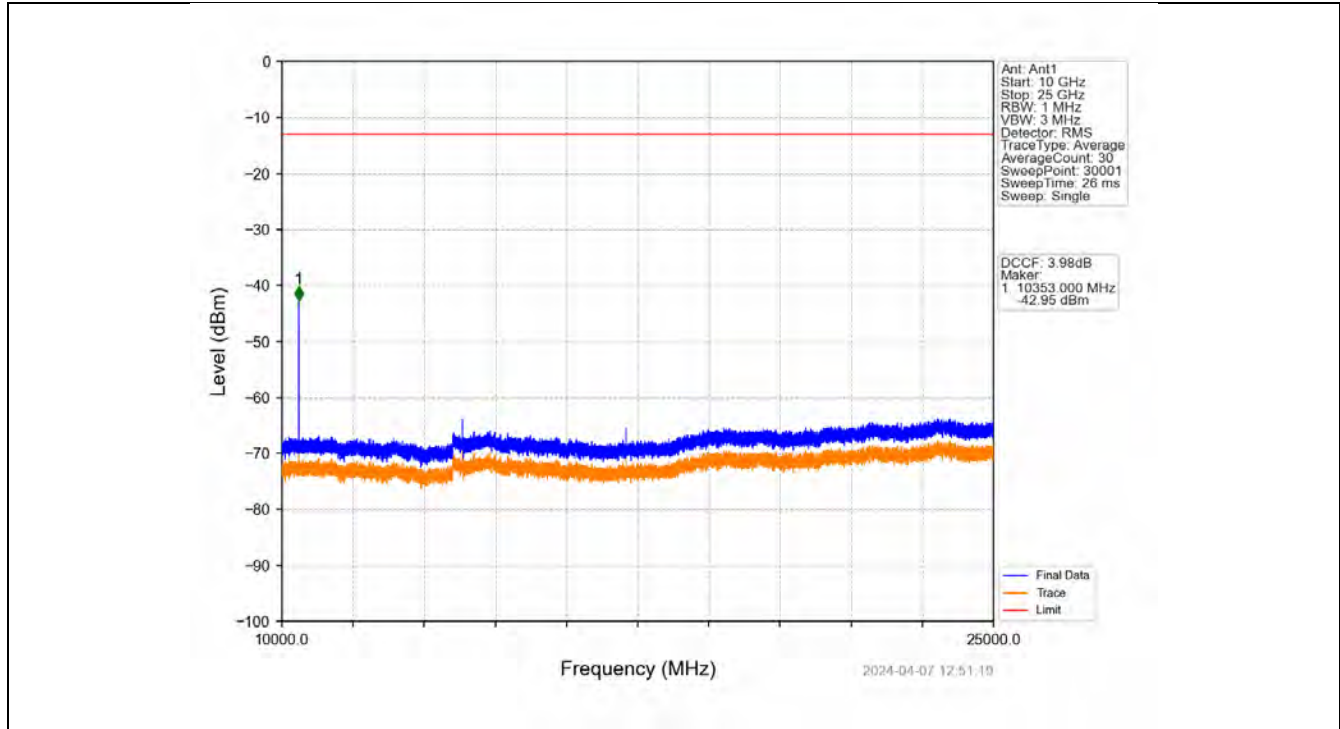


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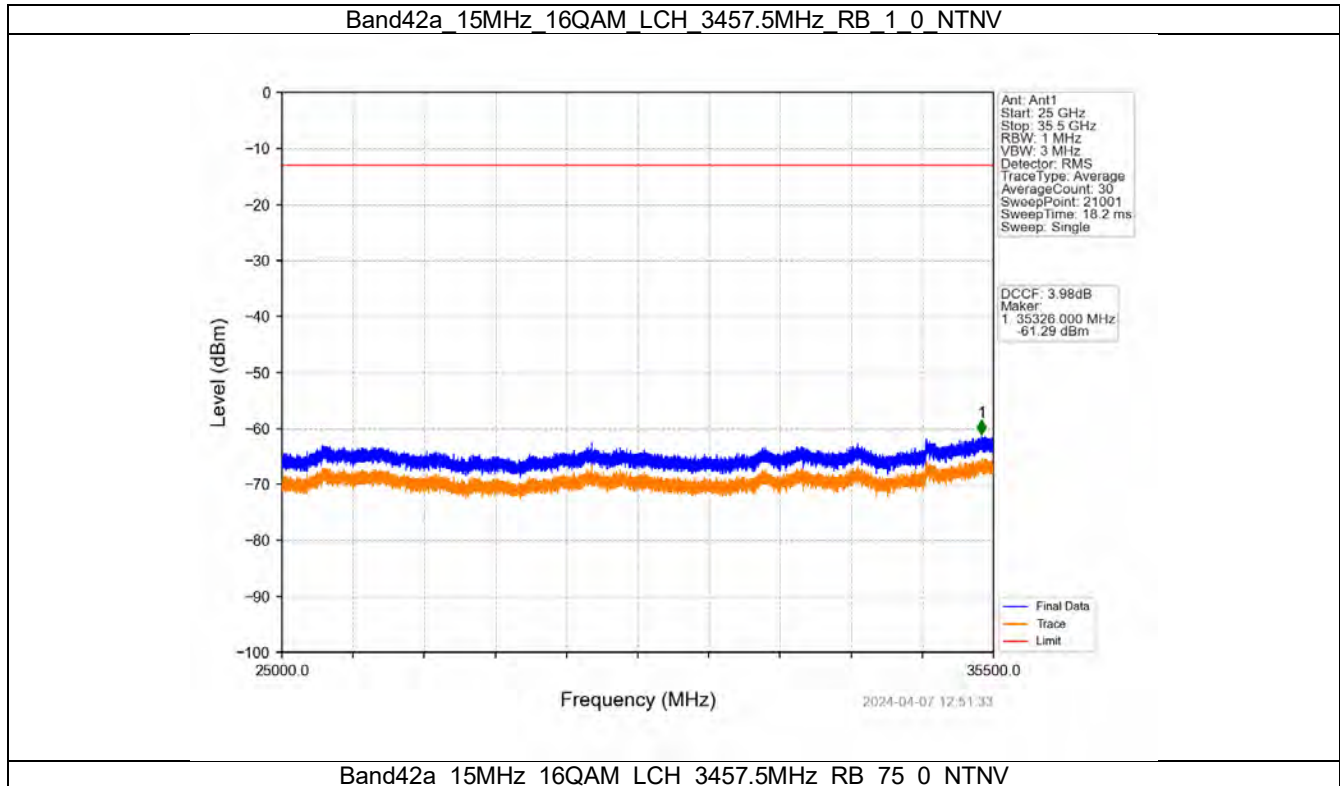


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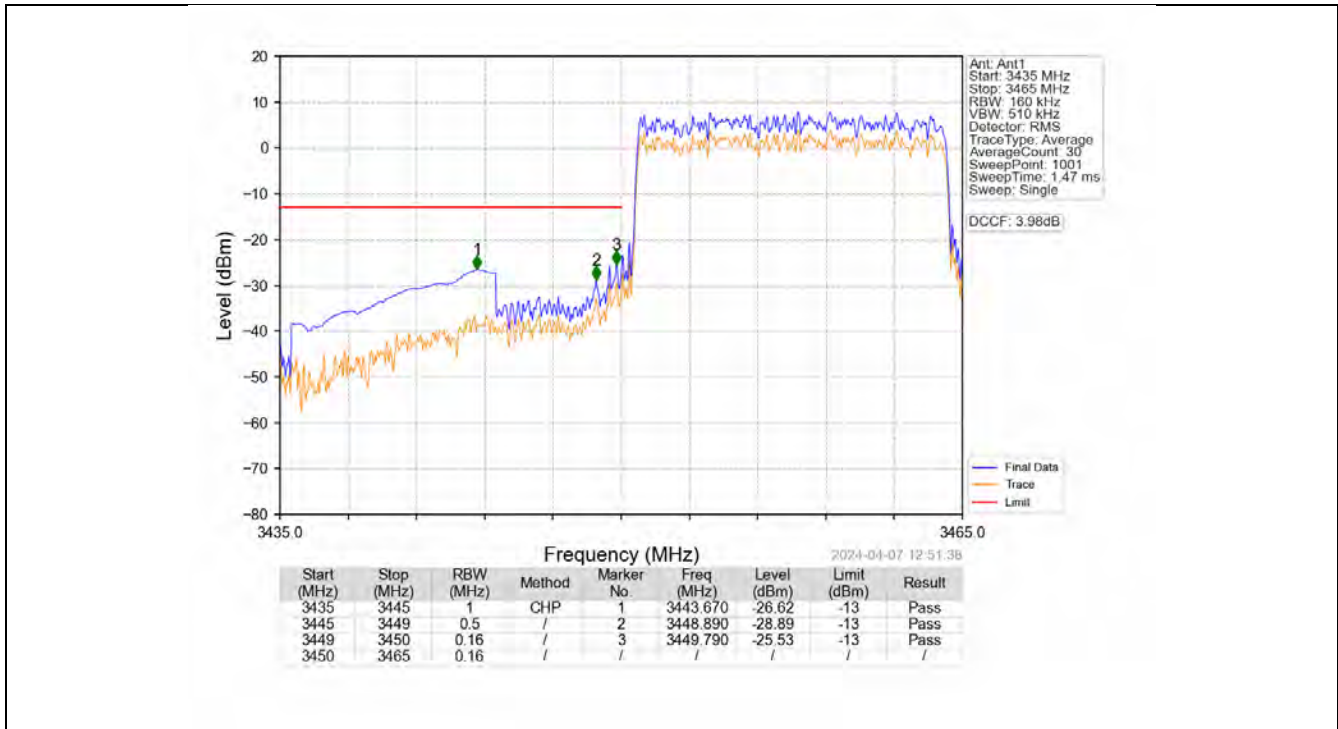


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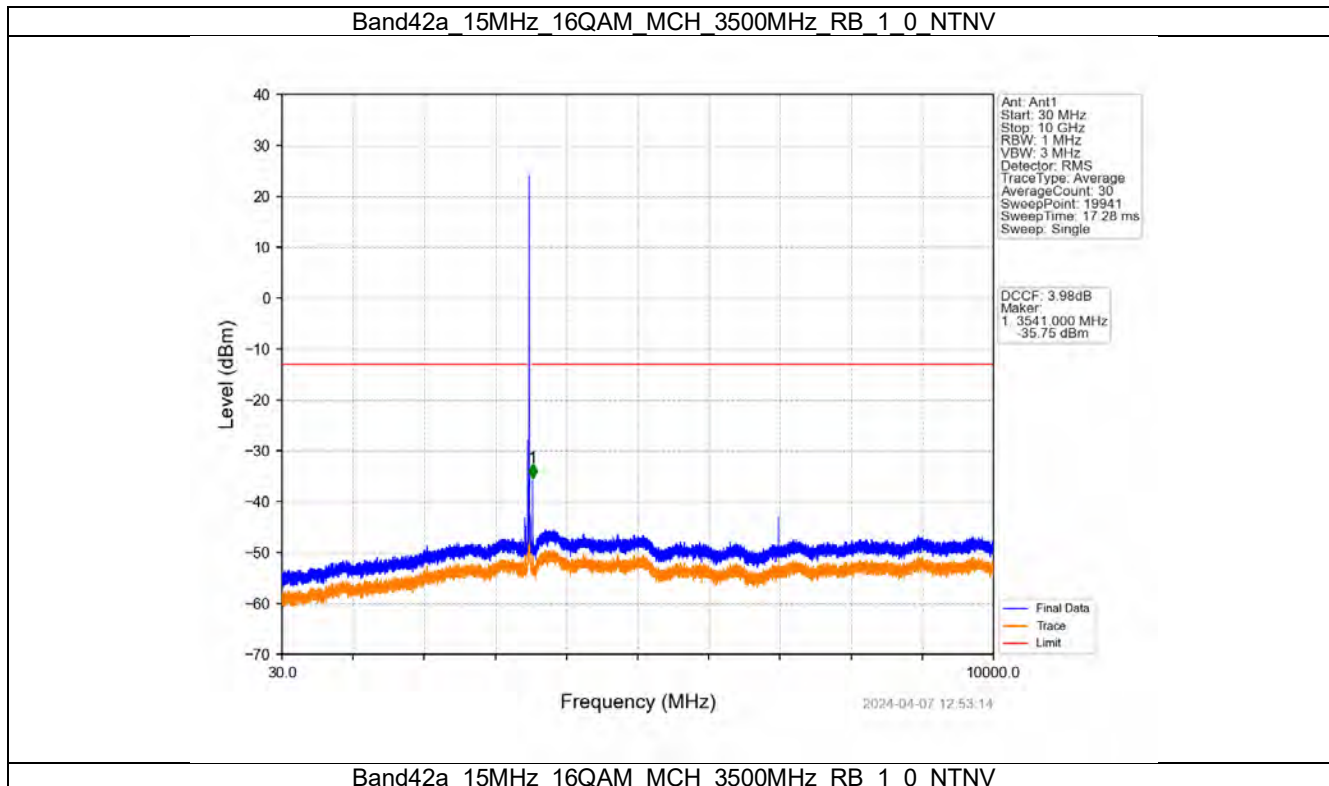
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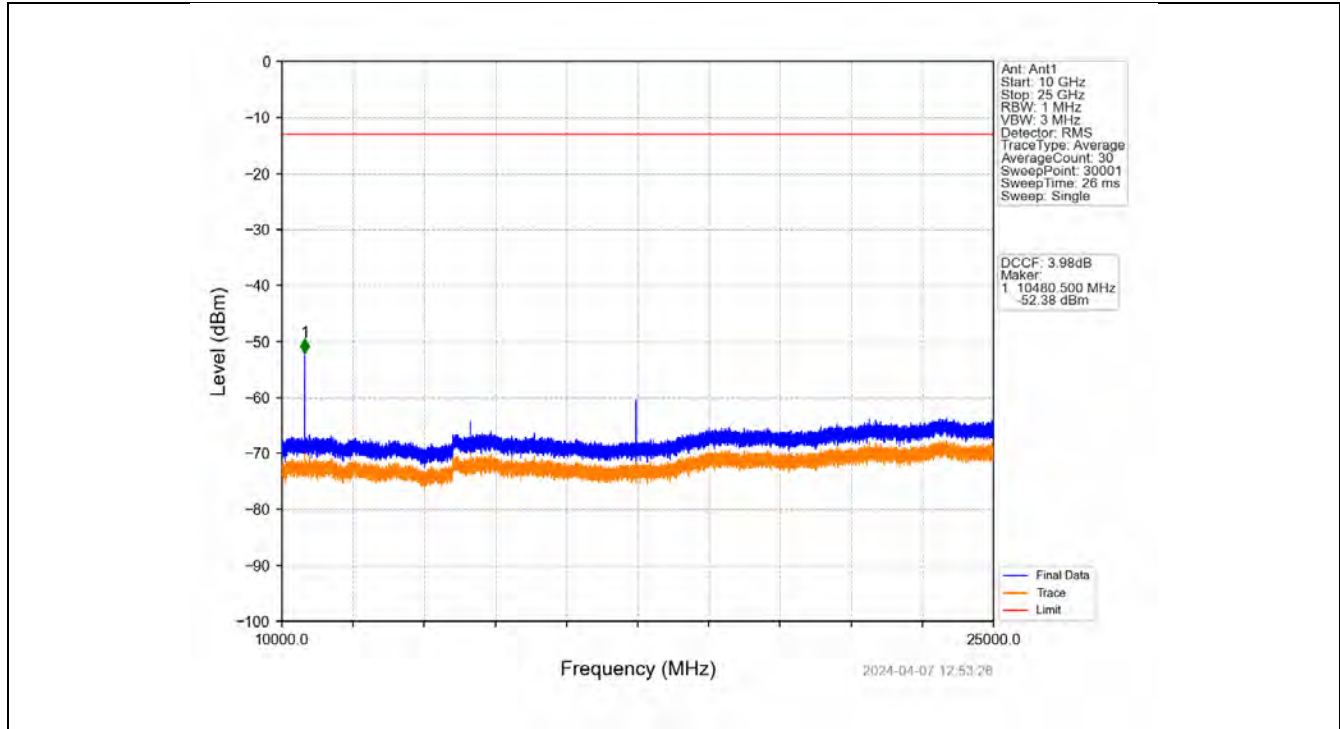


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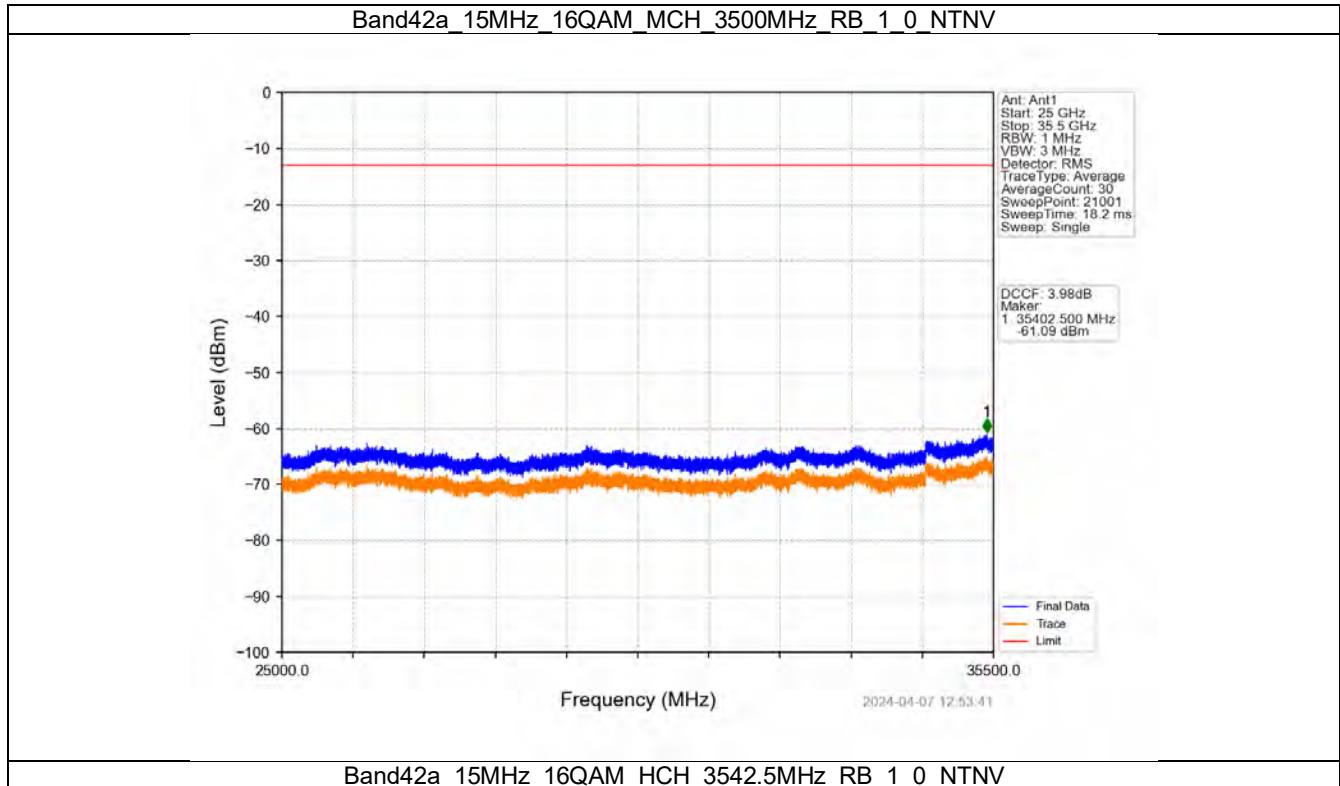


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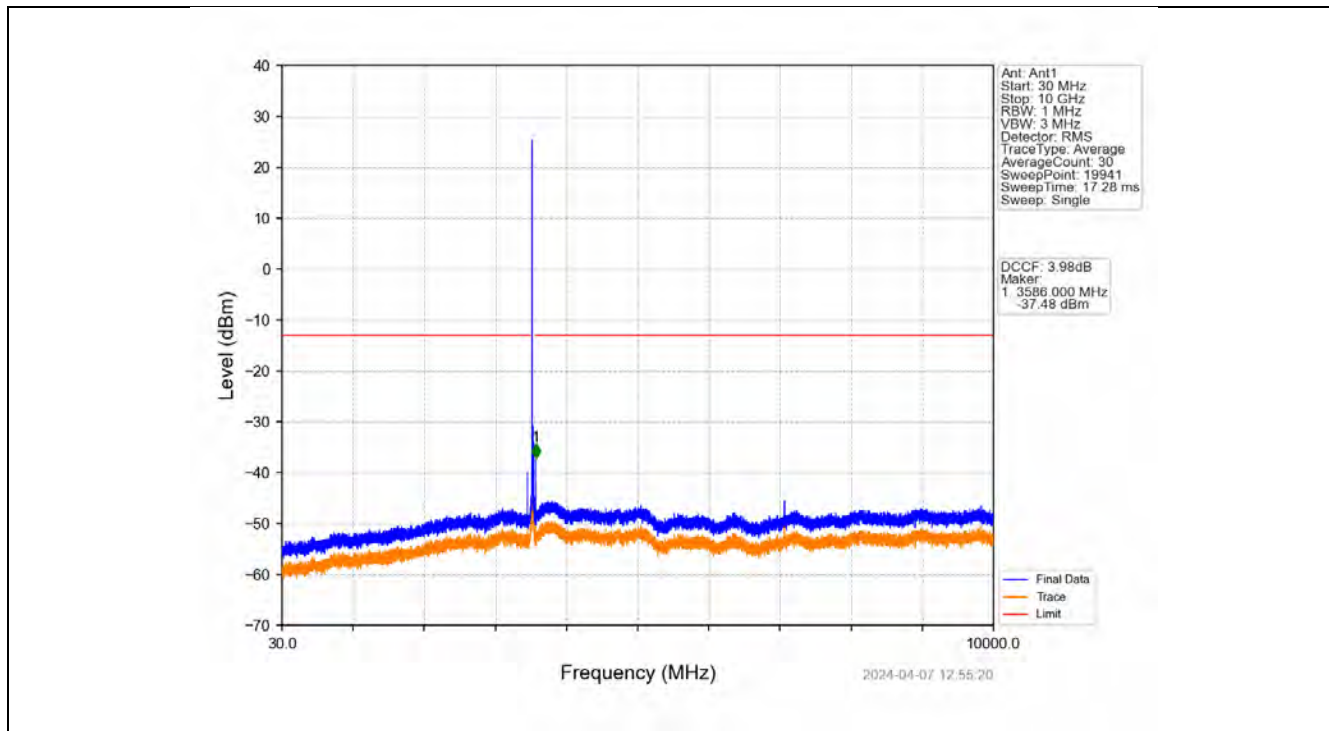
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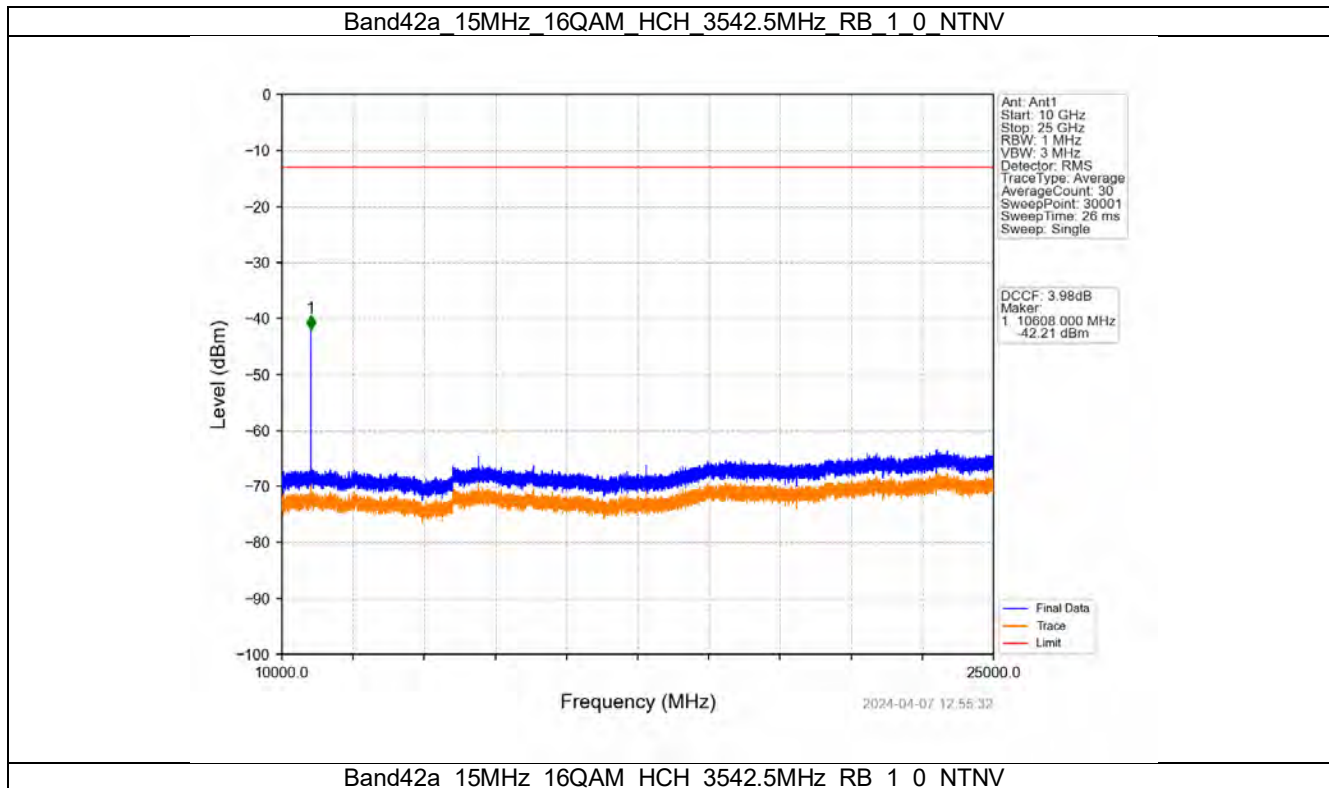
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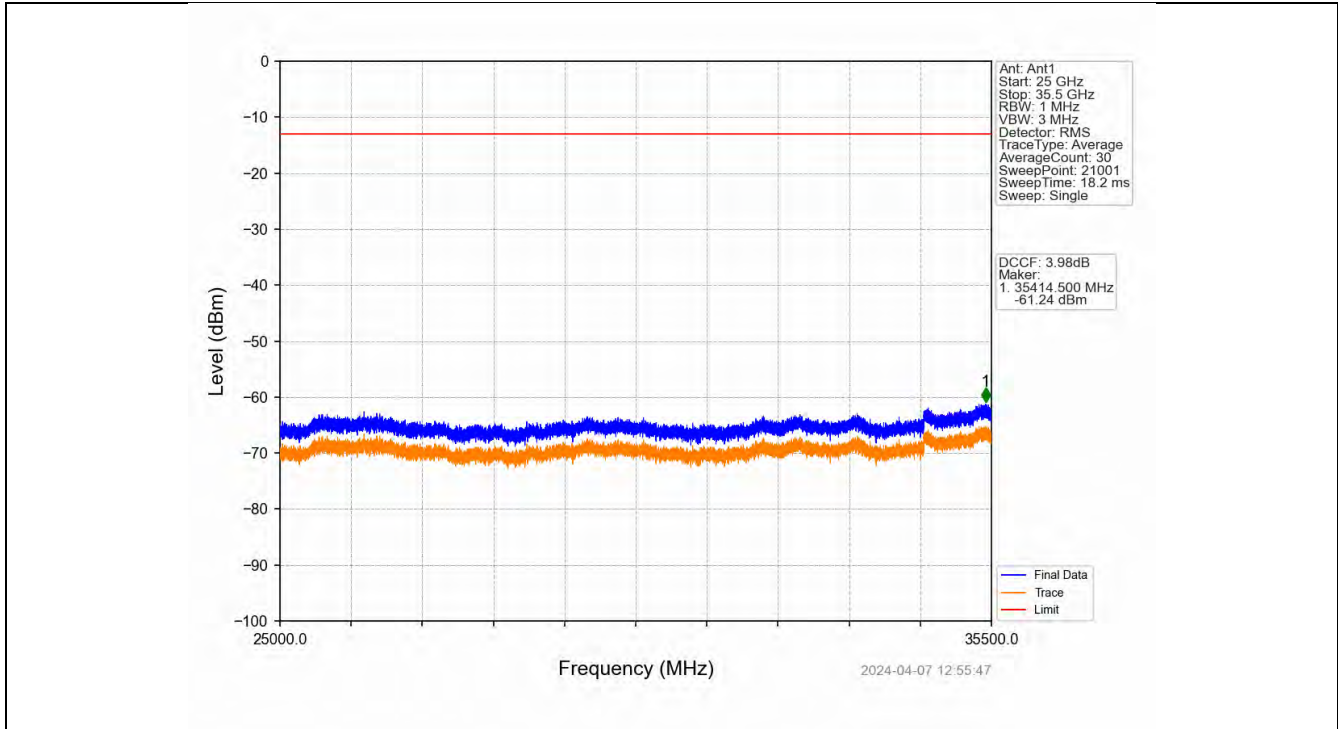


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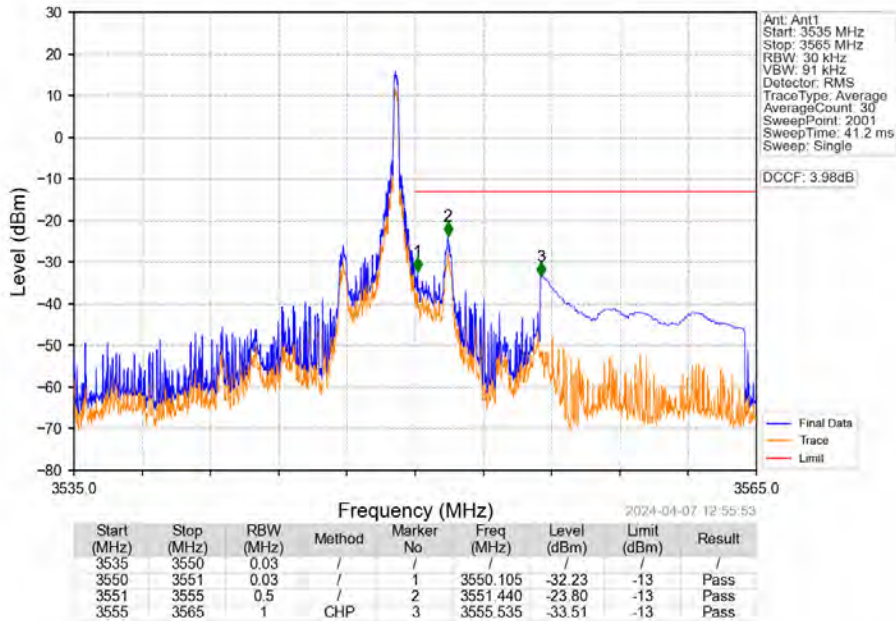
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Band42a 15MHz 16QAM HCH 3542.5MHz RB 1 74 NTNV



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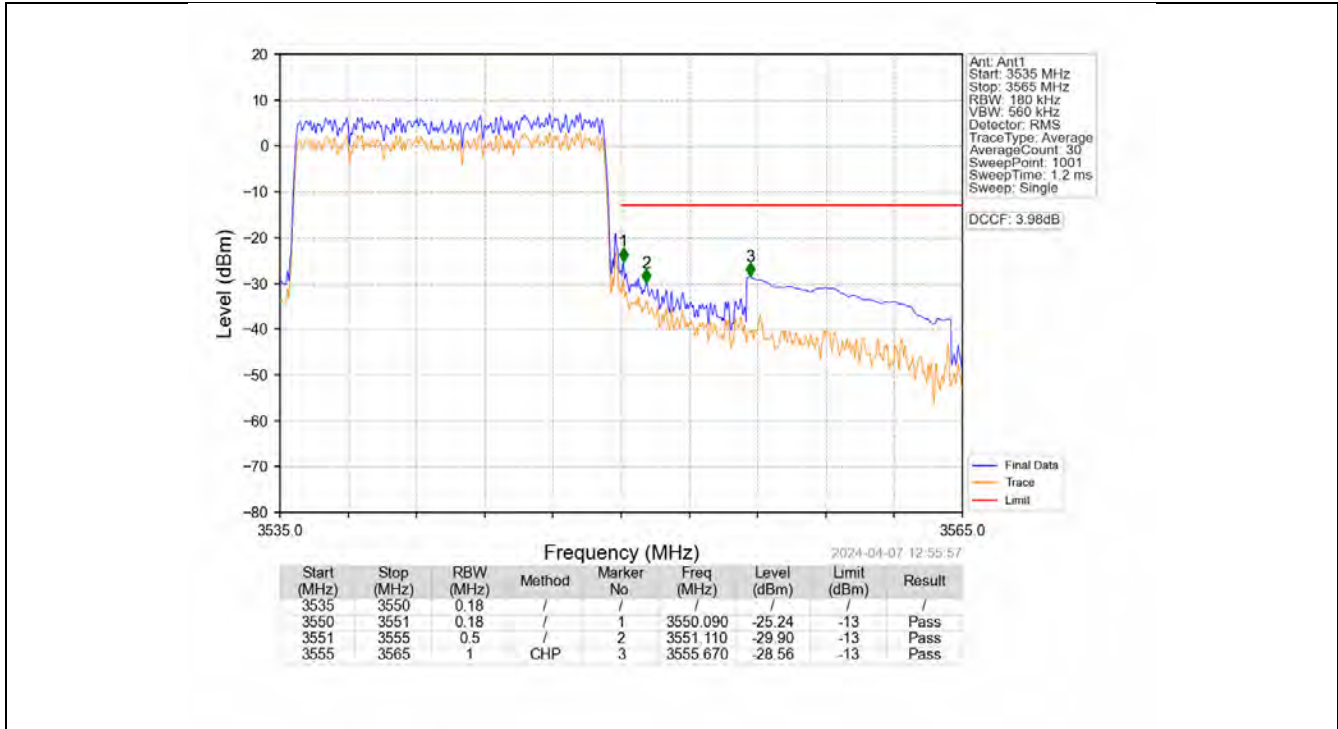


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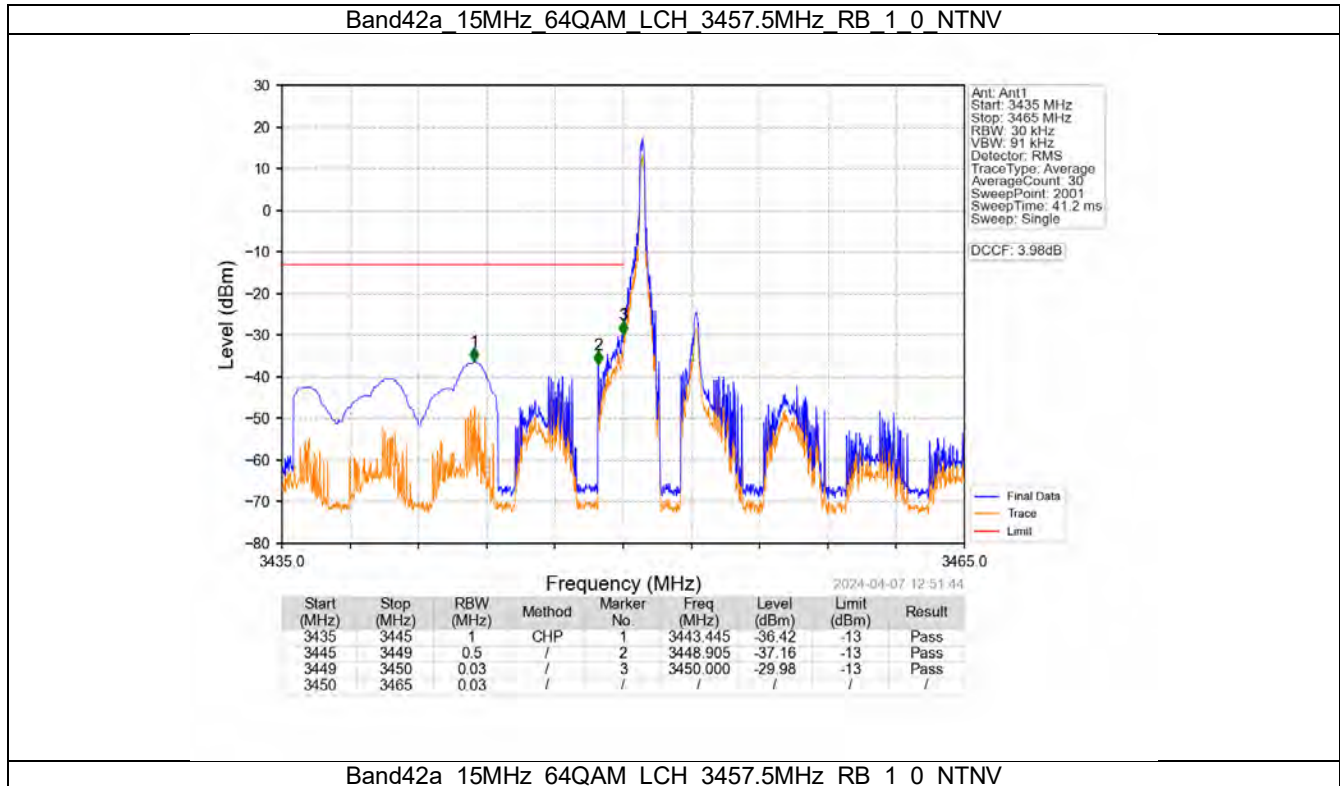


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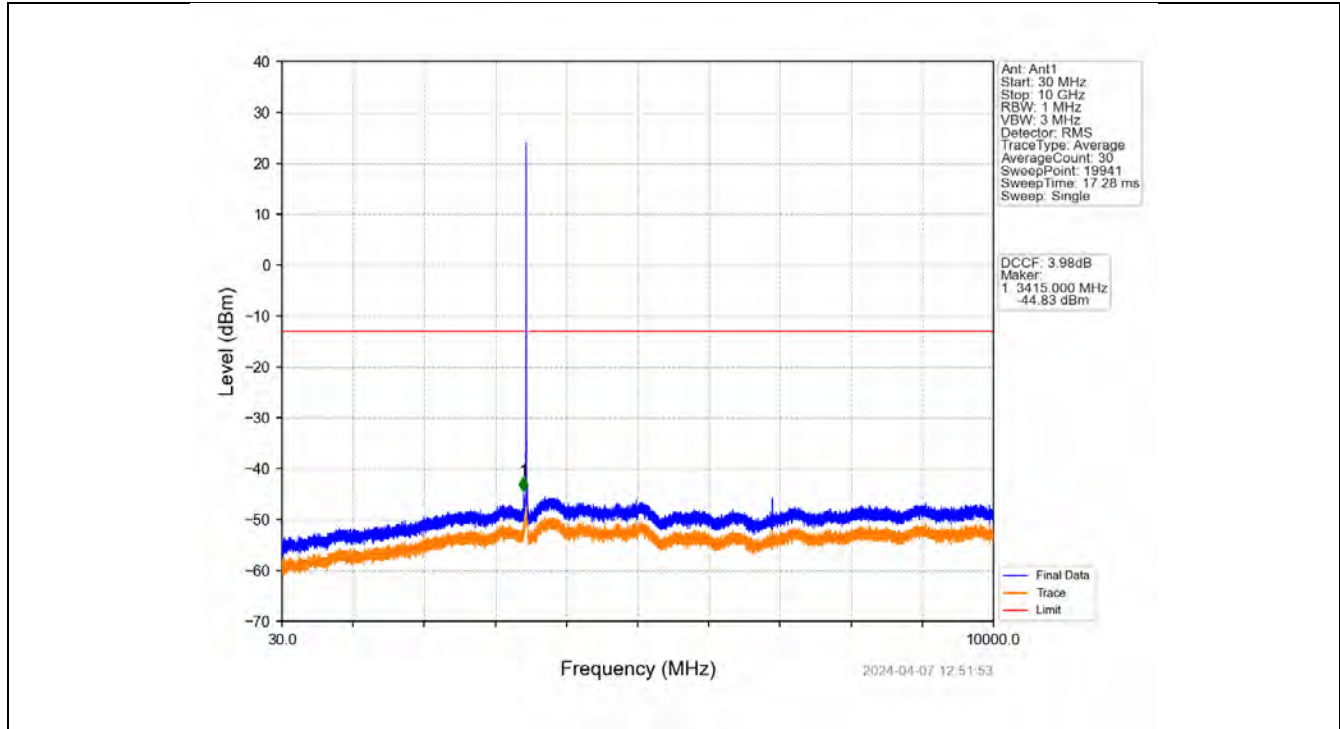


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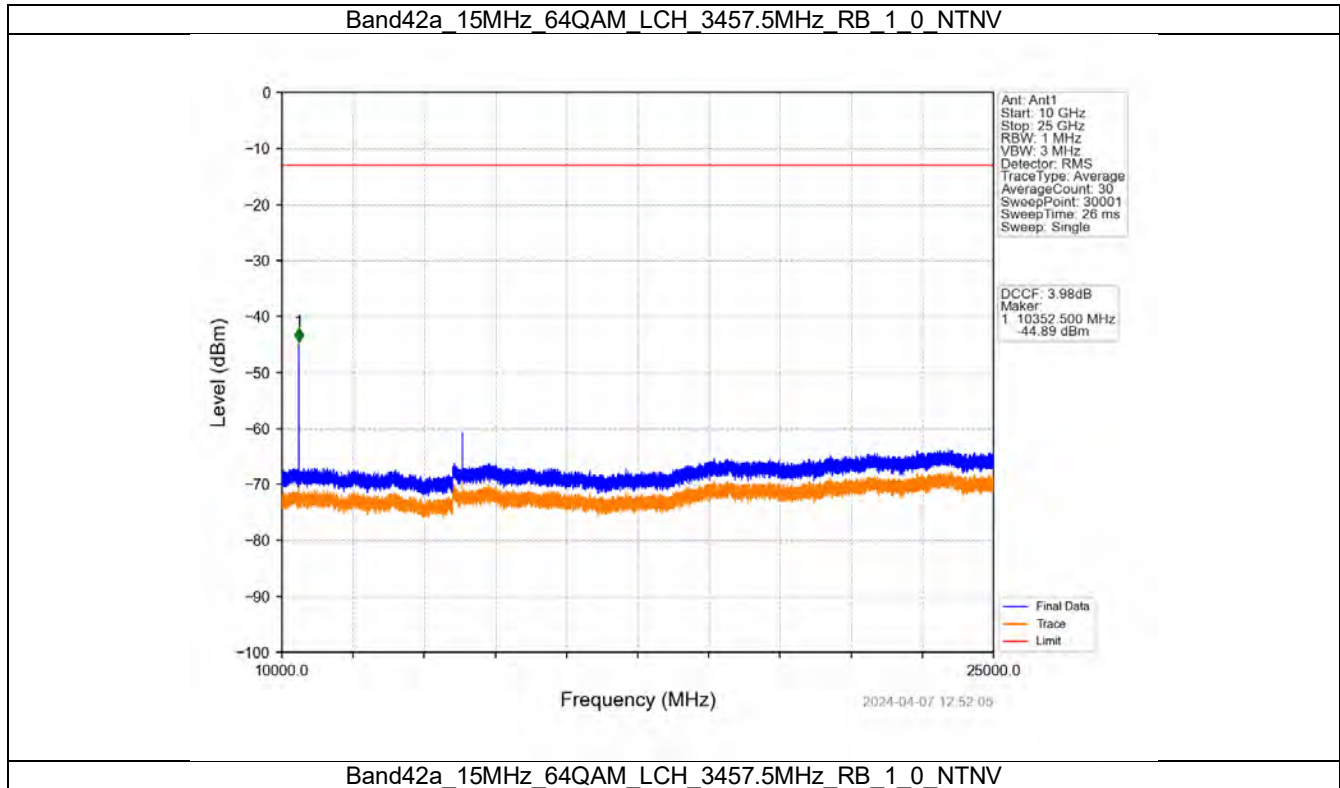


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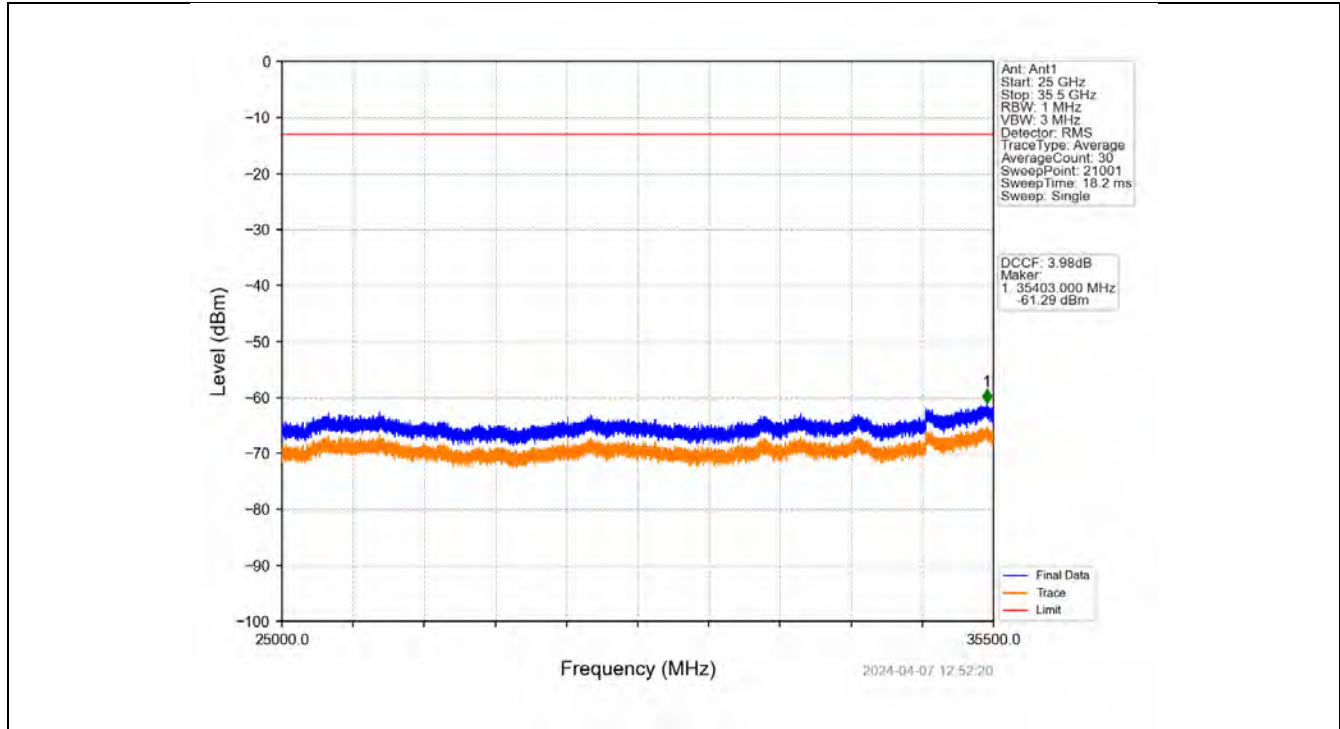


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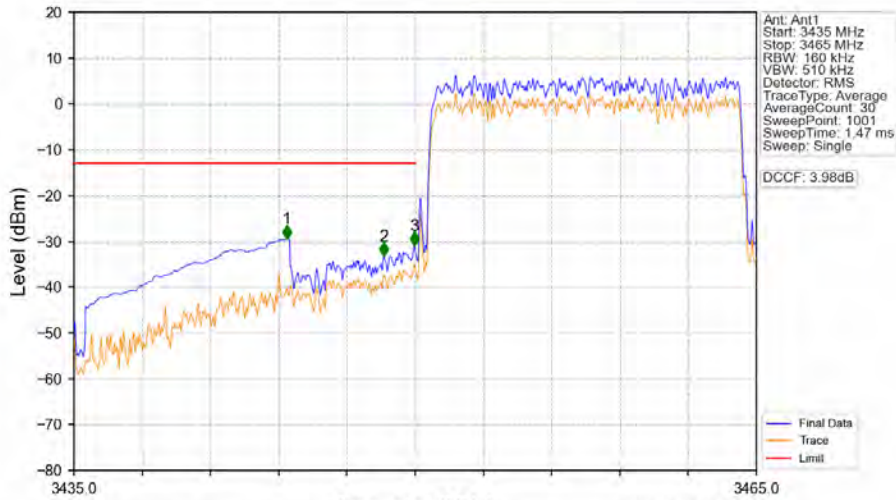
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Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3444.360	-29.49	-13	Pass
3445	3449	0.5	/	2	3448.620	-33.21	-13	Pass
3449	3450	0.16	/	3	3449.970	-31.03	-13	Pass
3450	3465	0.16	/	/	/	/	/	/

Band42a_15MHz_64QAM_MCH_3500MHz_RB_1_0_NTNV



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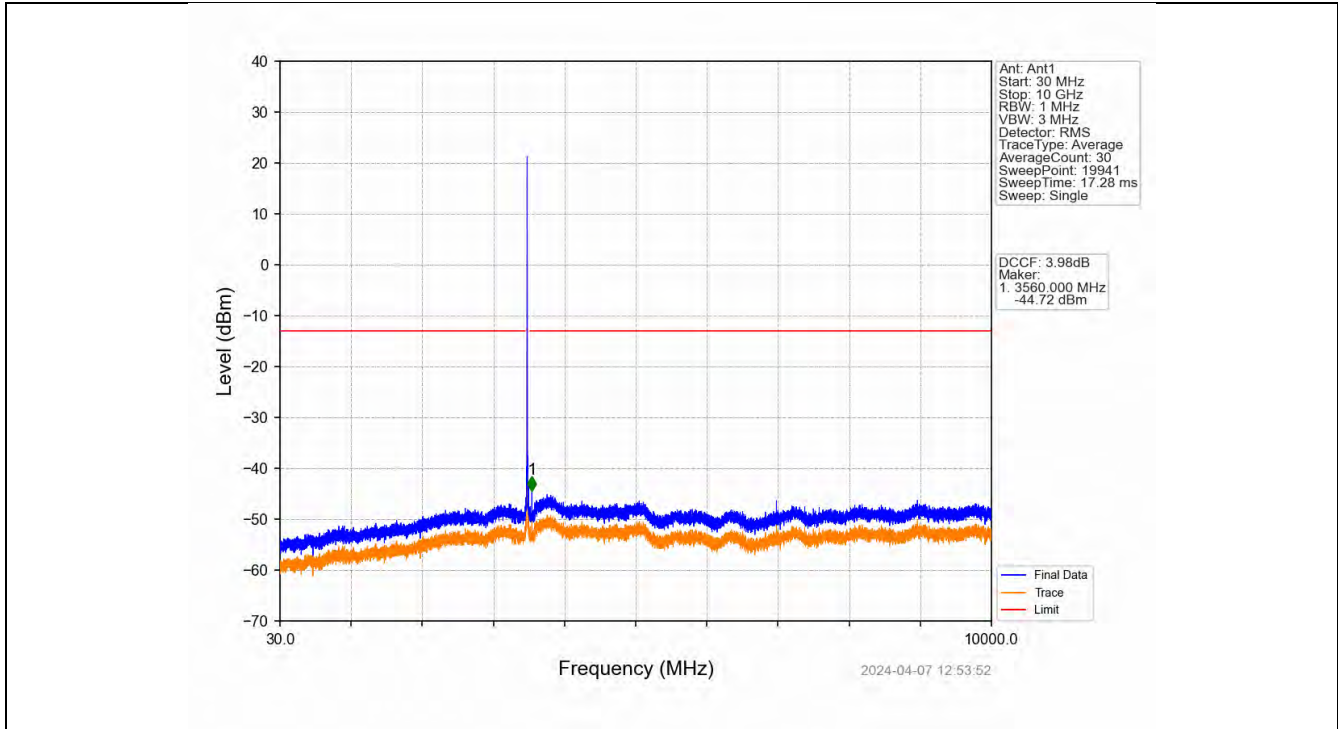


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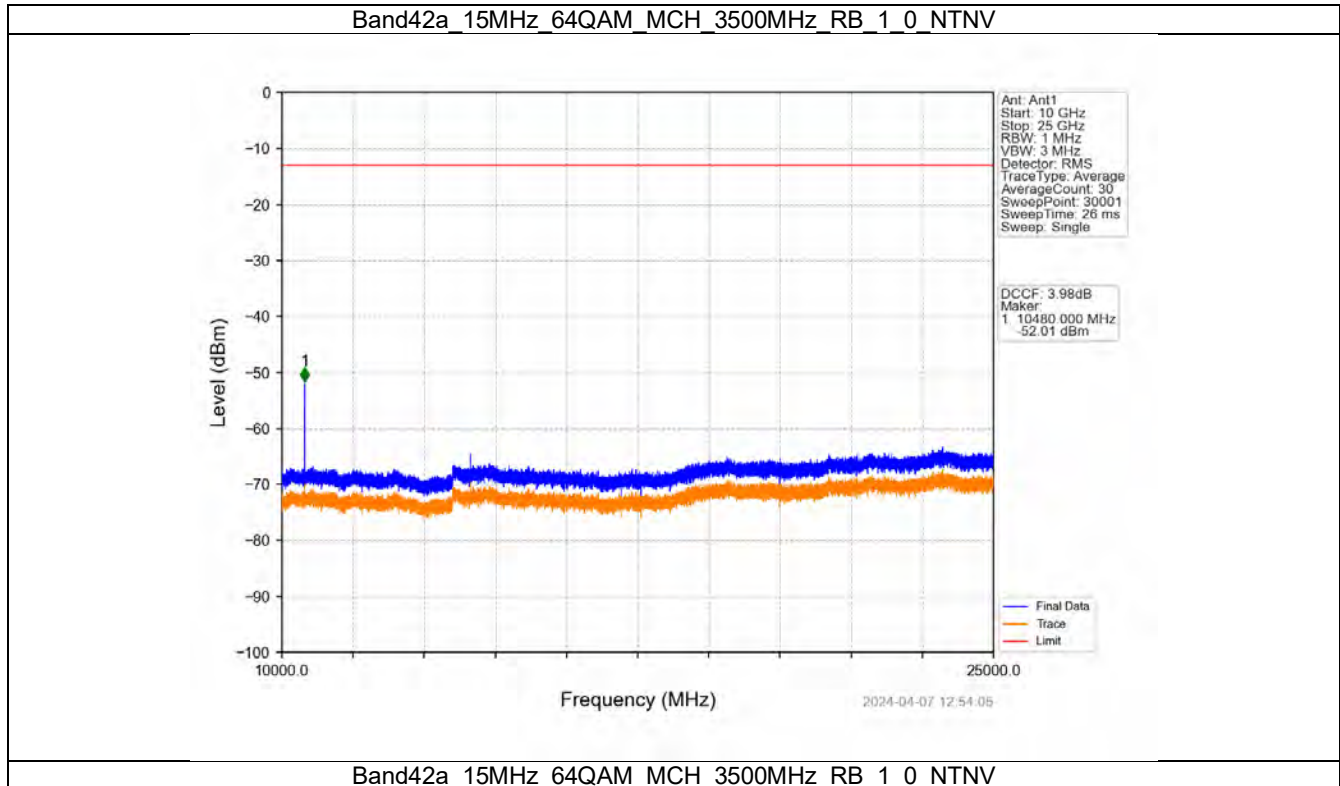


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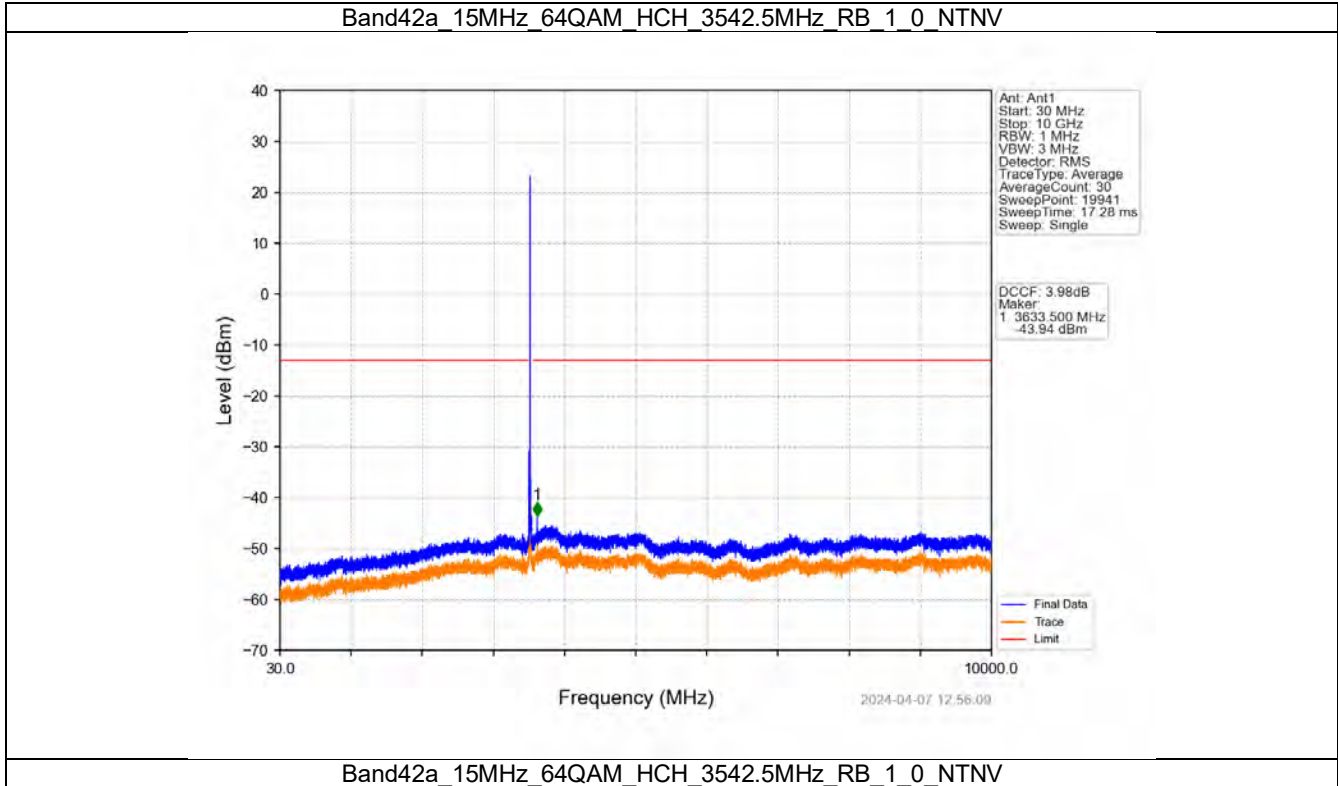


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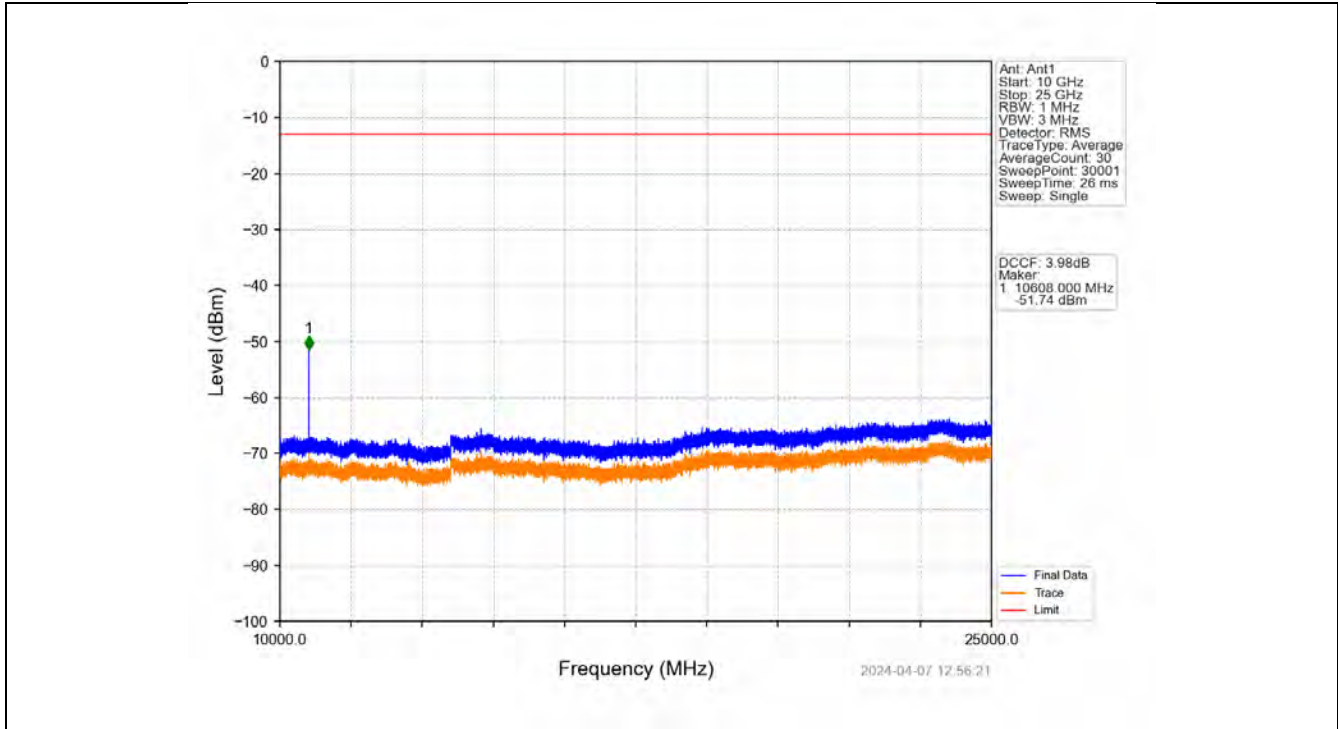


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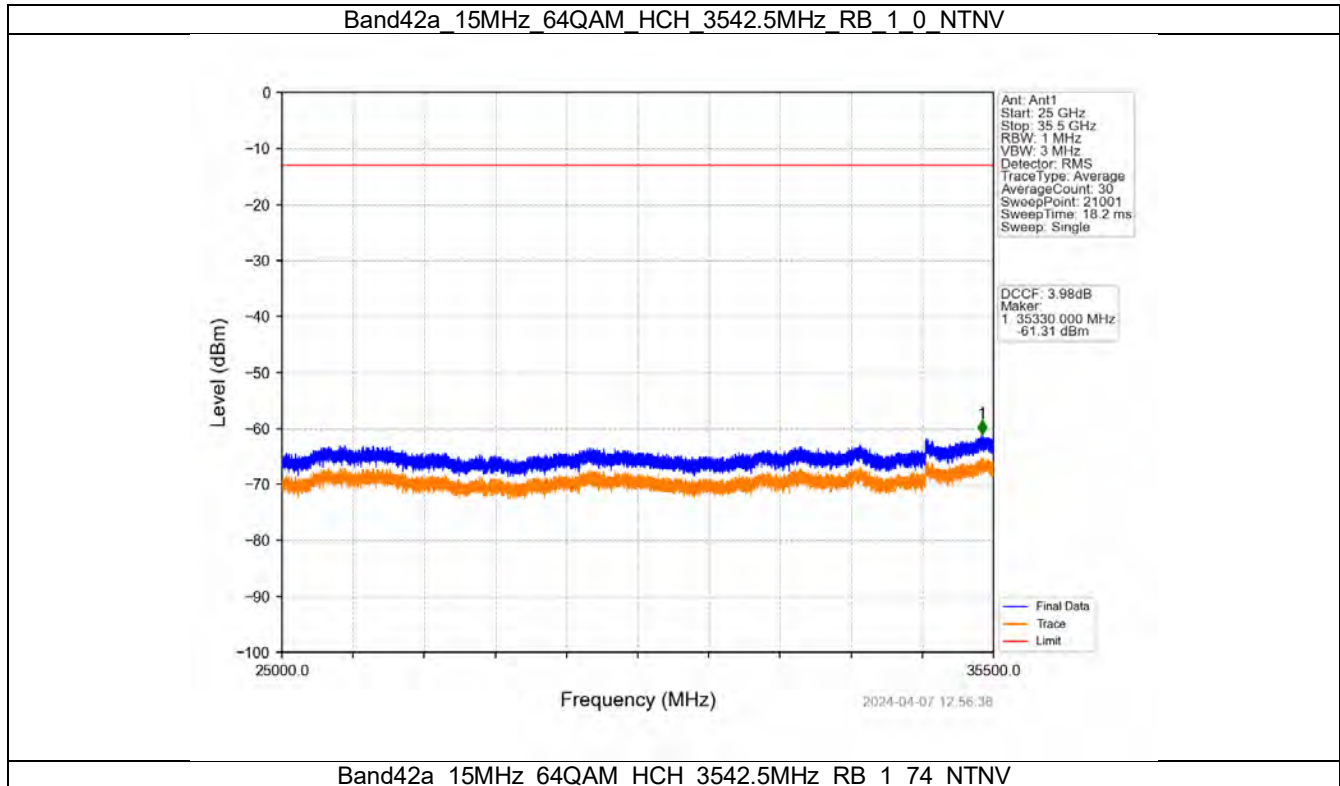


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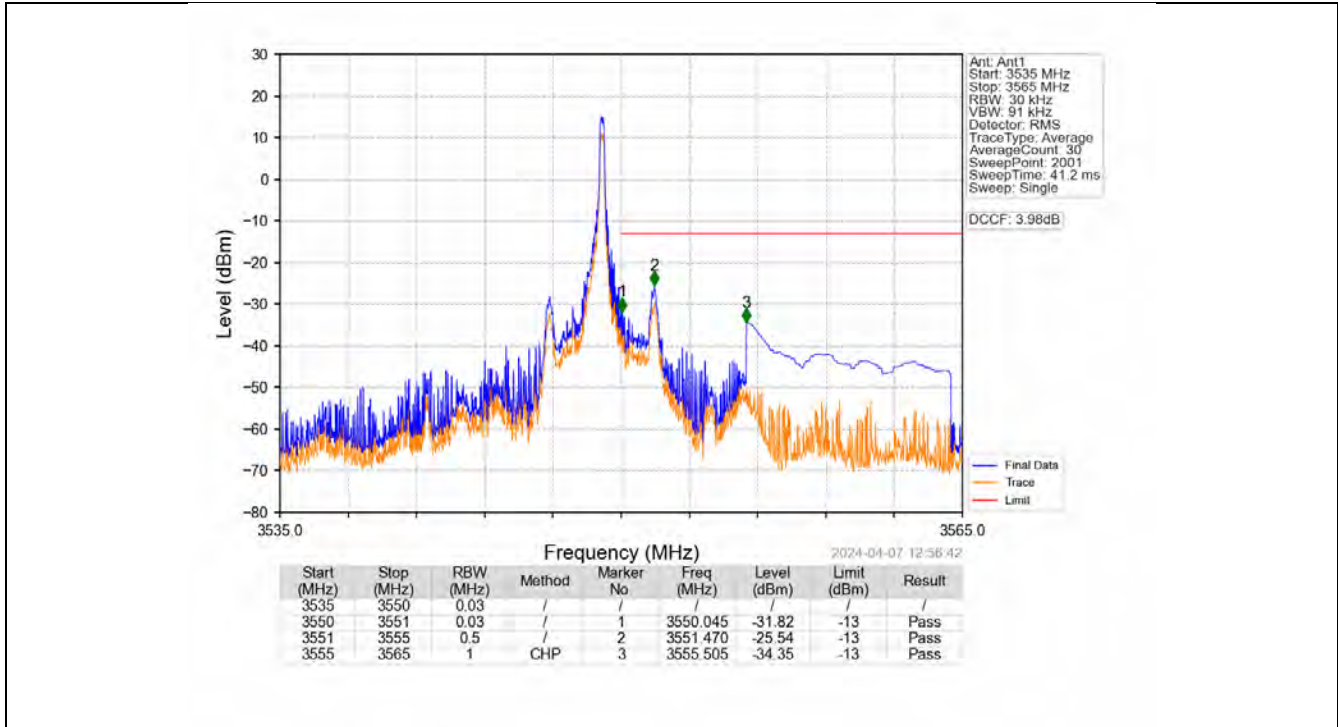


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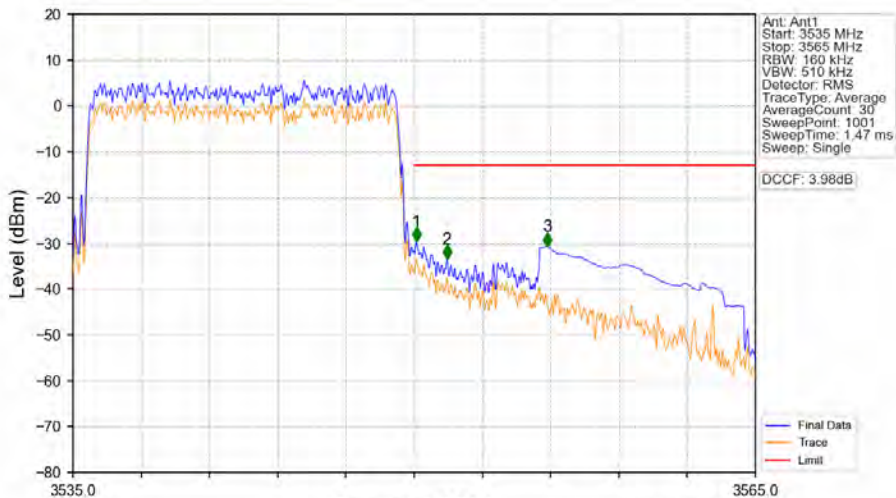
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Band42a 15MHz 64QAM HCH 3542.5MHz RB 75 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.16	/	/	/	/	/	/
3550	3551	0.16	/	1	3550.090	-29.61	-13	Pass
3551	3555	0.5	/	2	3551.440	-33.46	-13	Pass
3555	3565	1	CHP	3	3555.850	-30.73	-13	Pass



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5.4 B42a_20MHz

5.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTN						
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	



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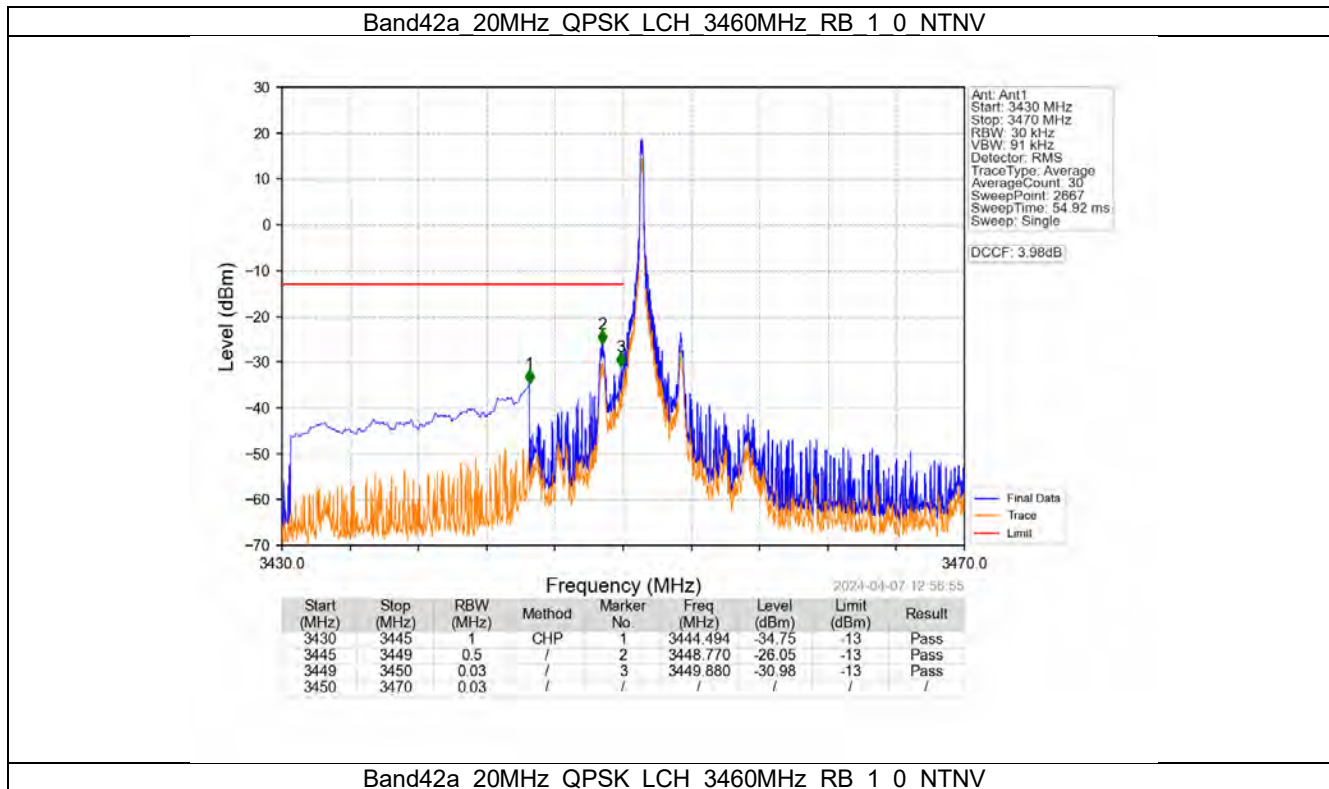
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5.4.2 Test Graph



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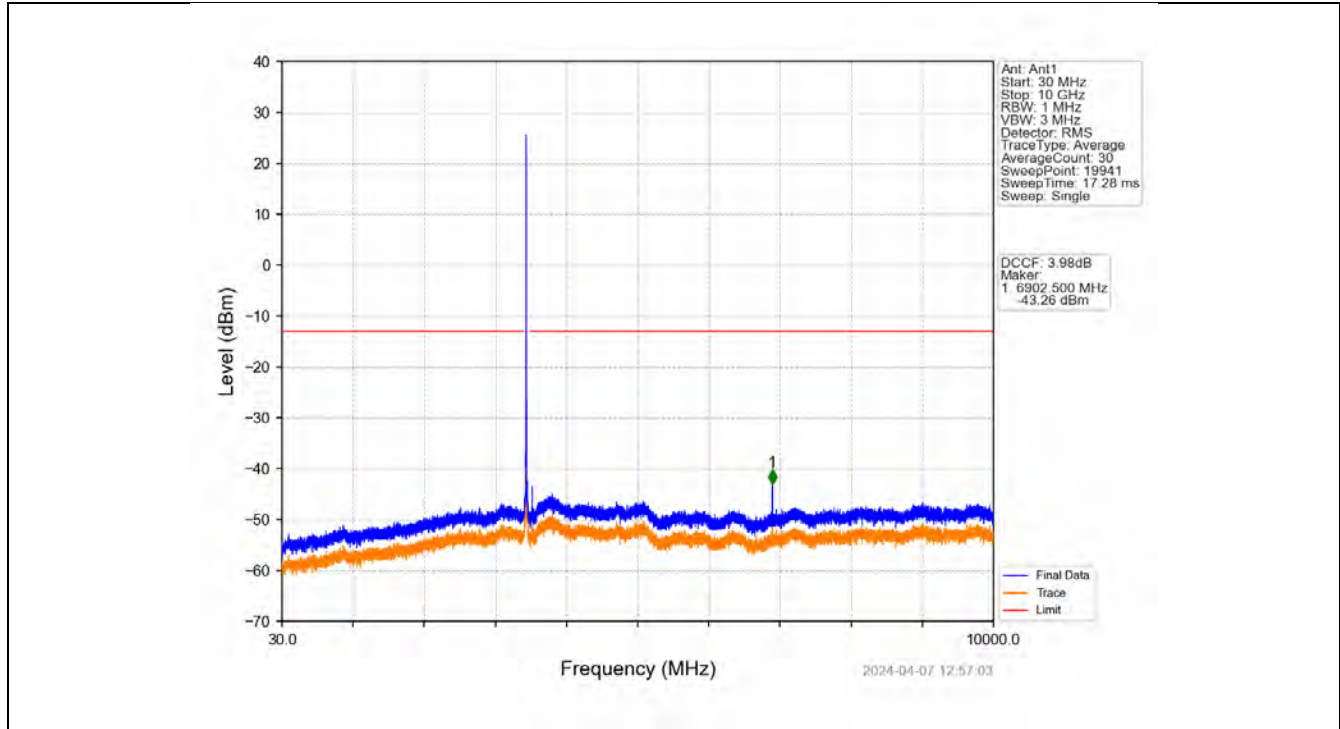


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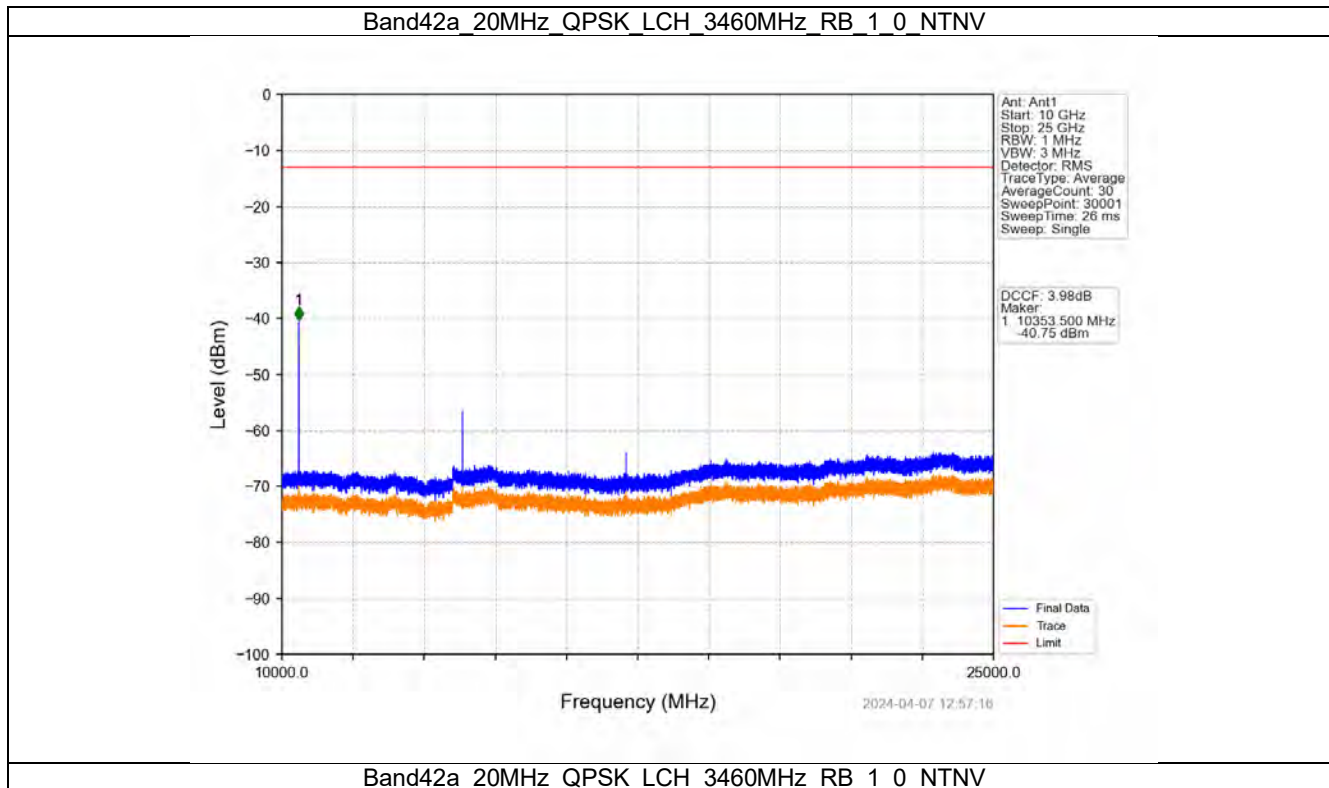
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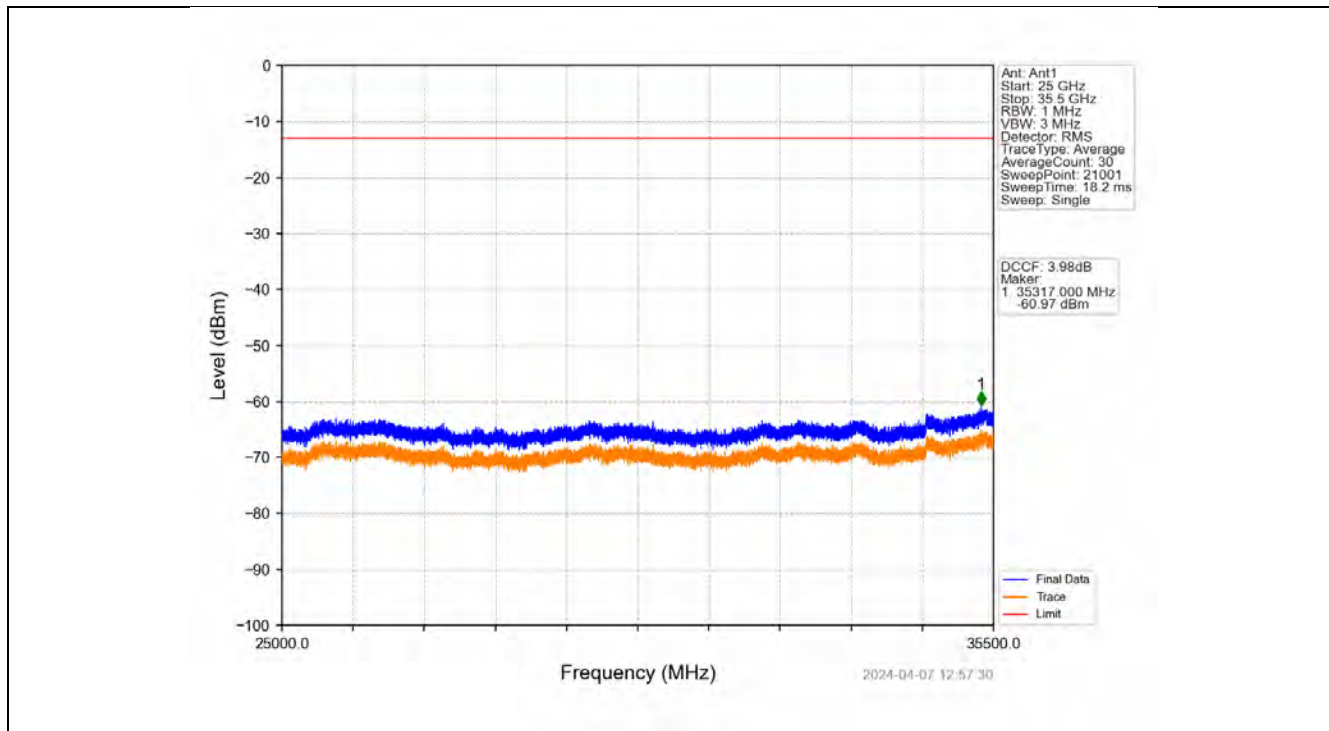
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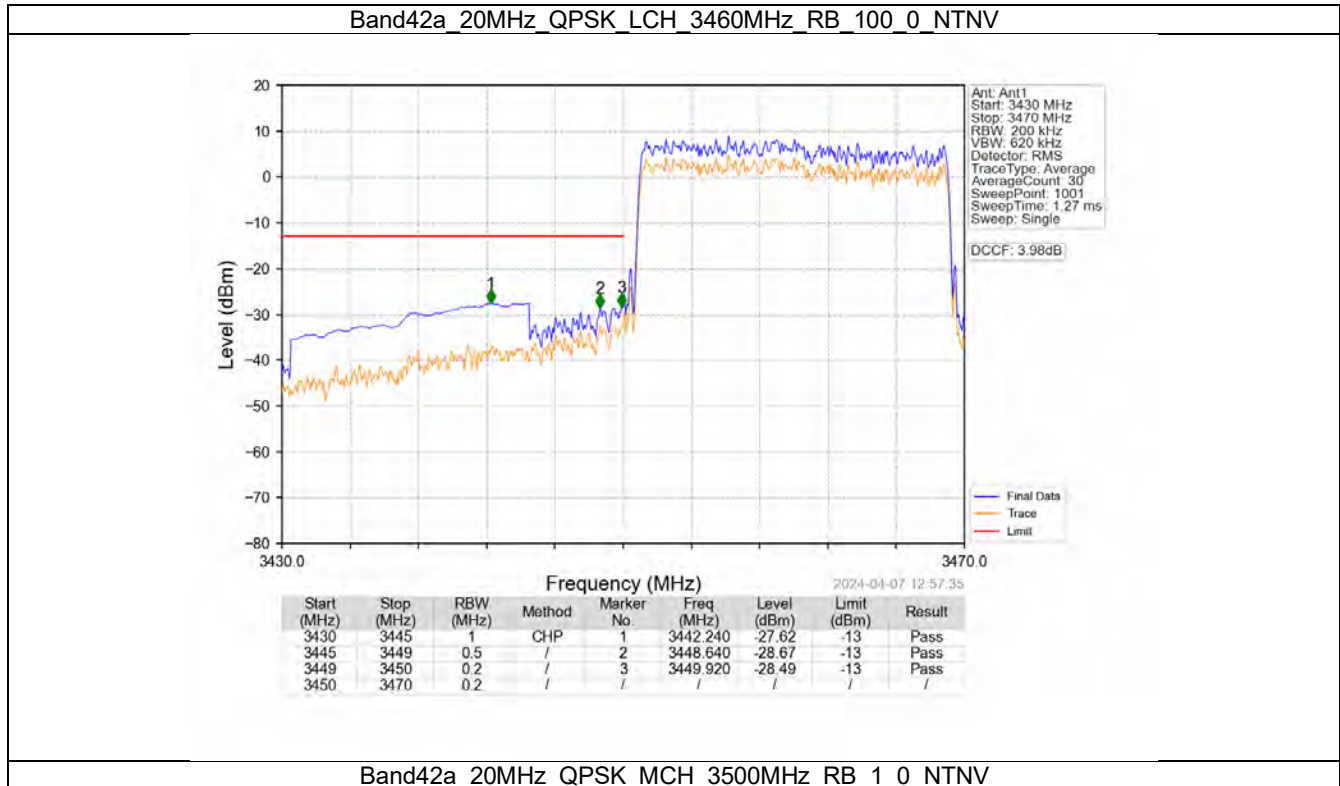


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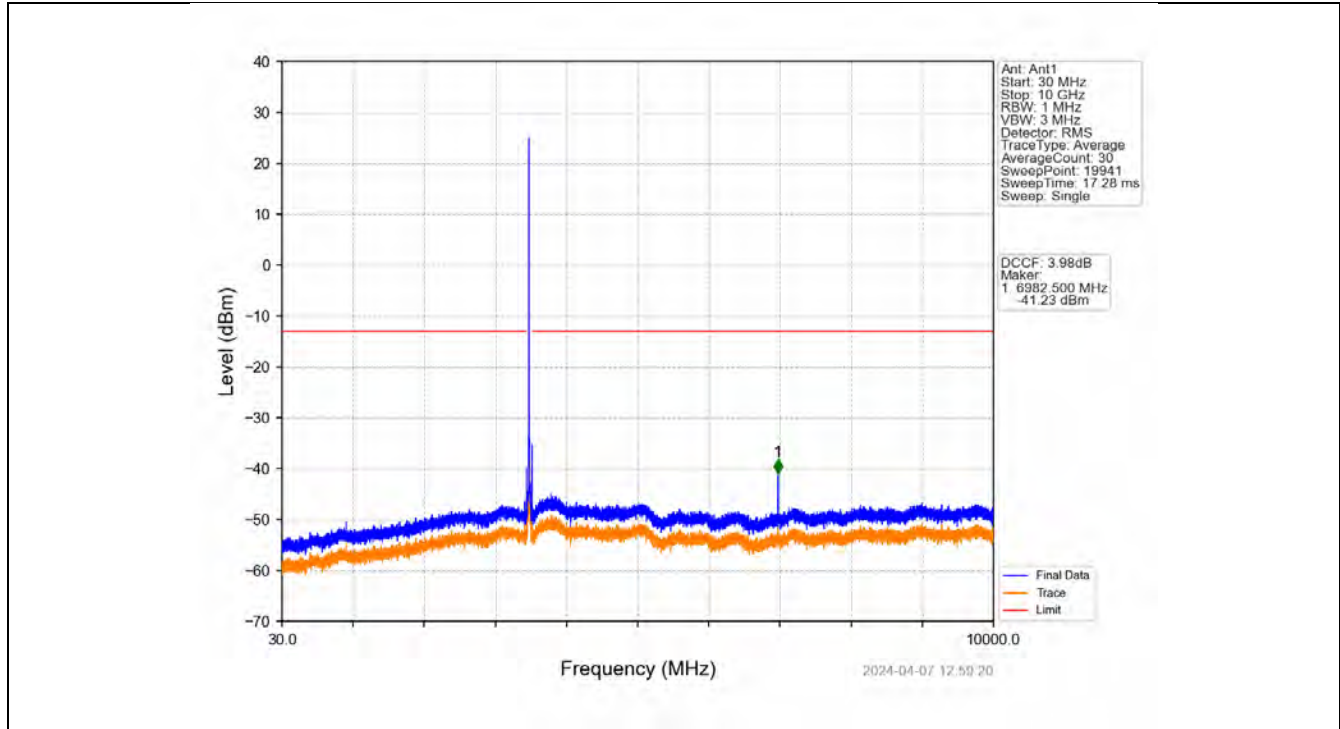


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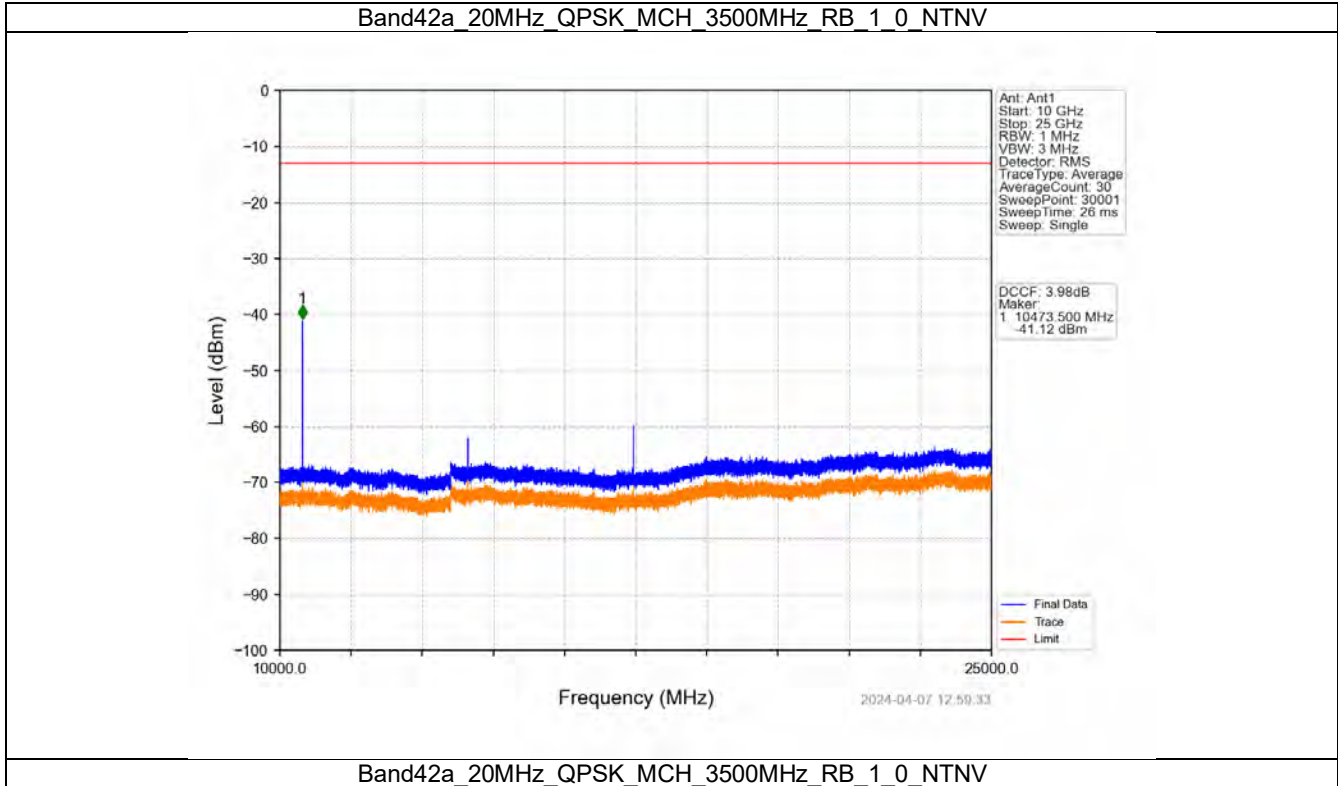


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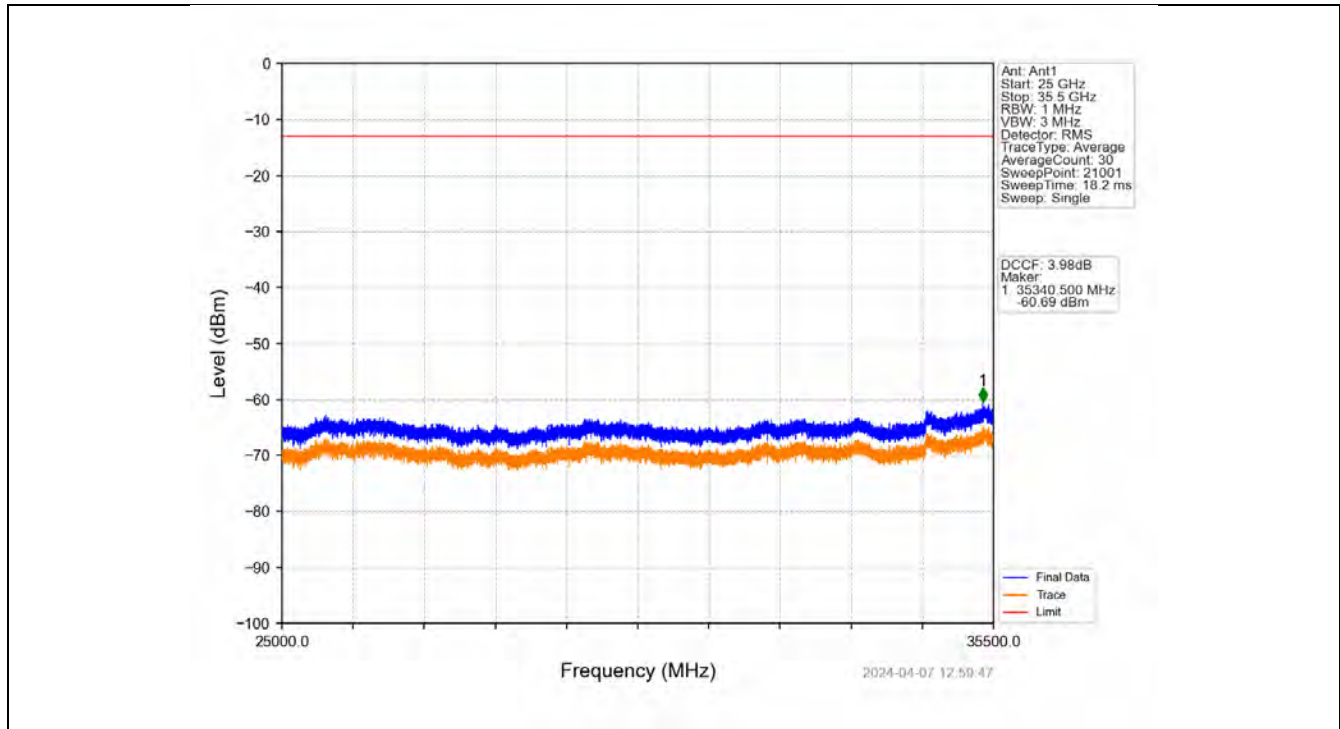


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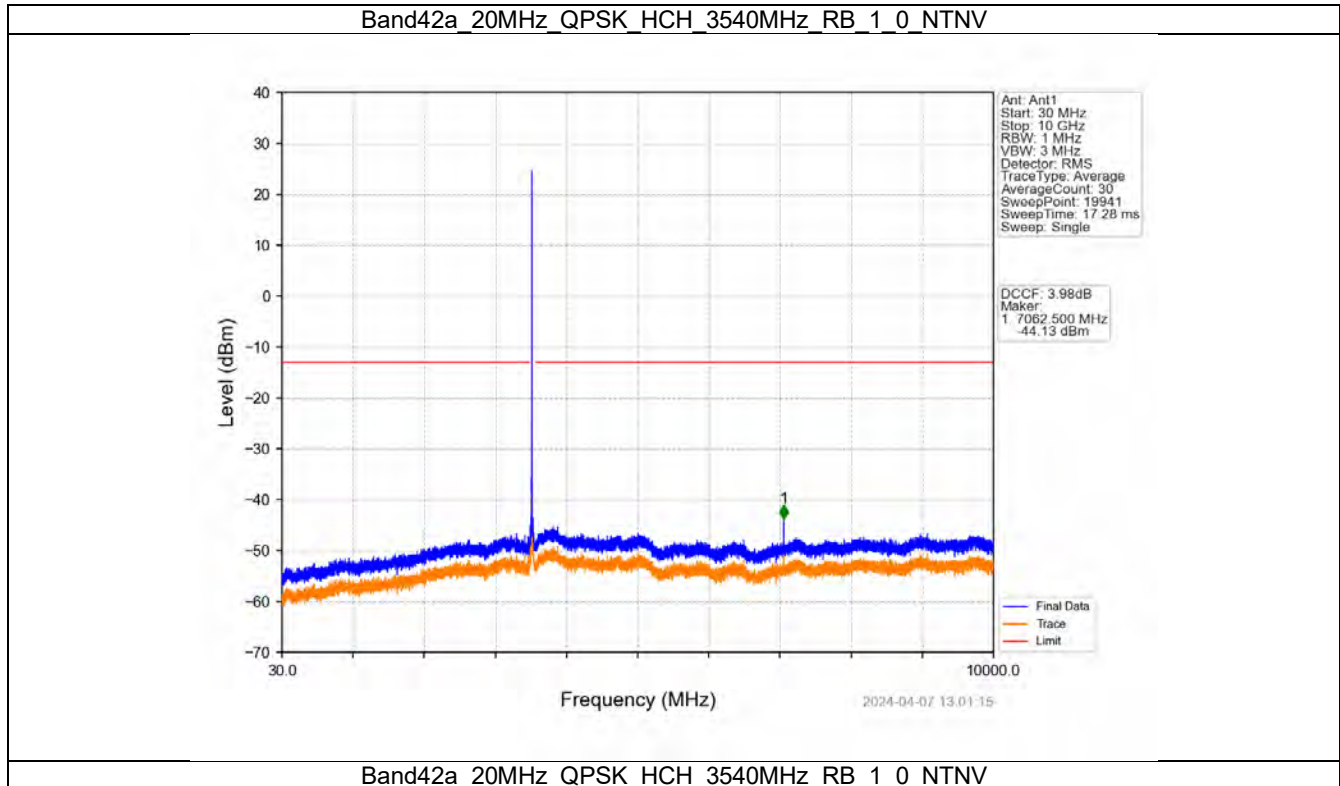


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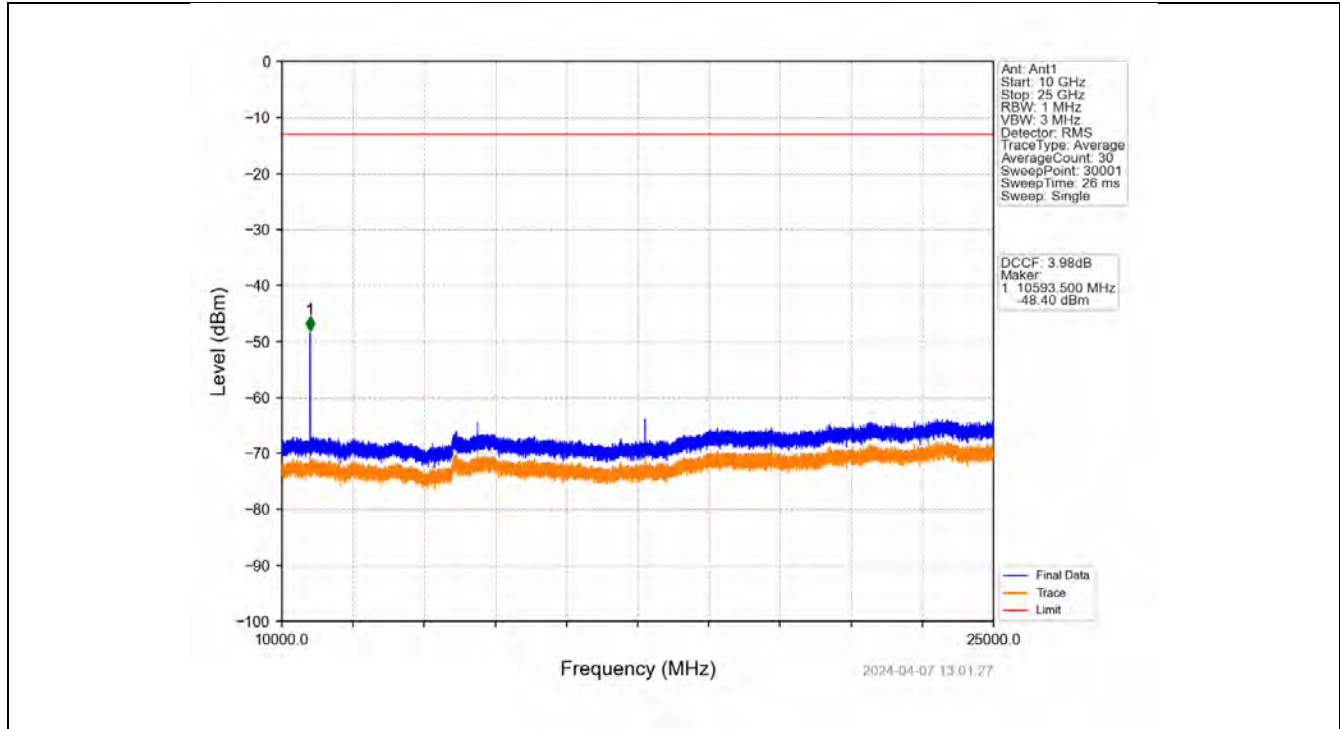


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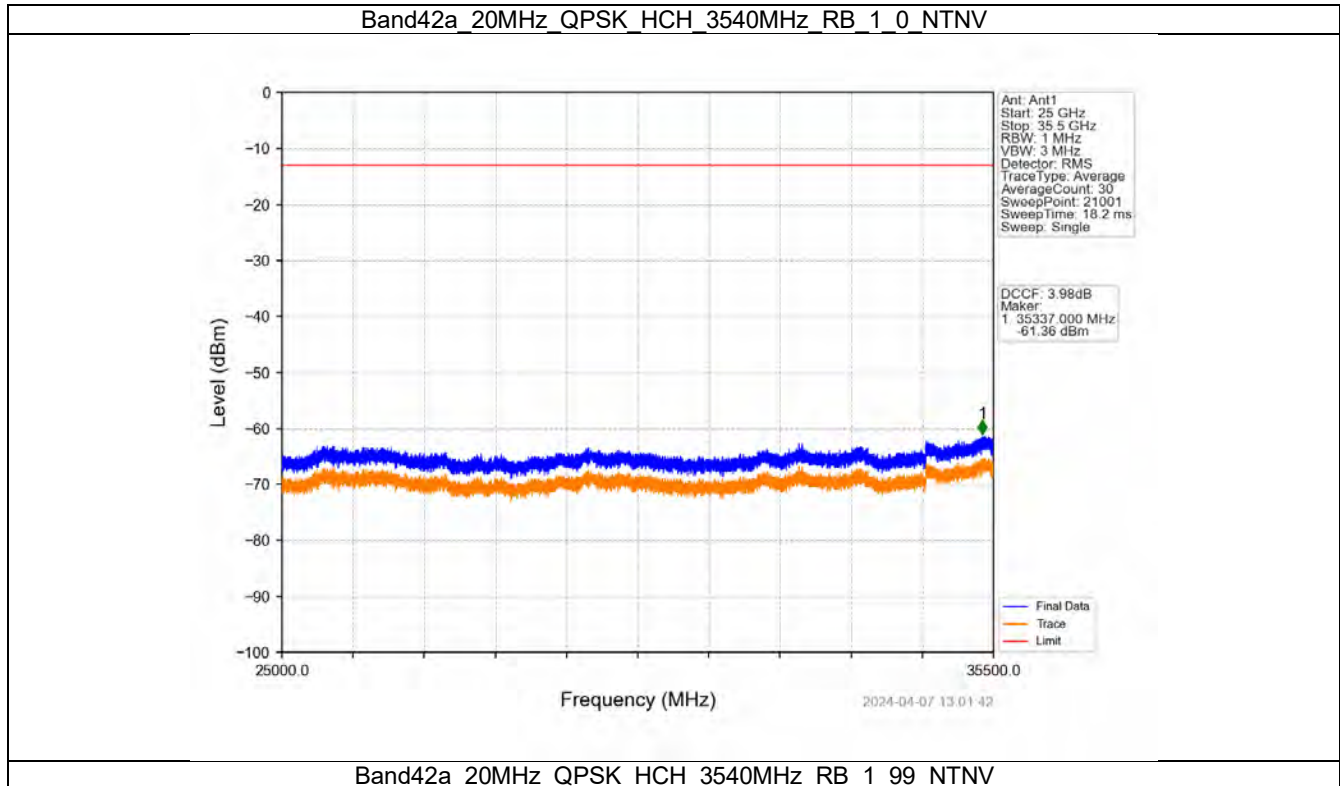


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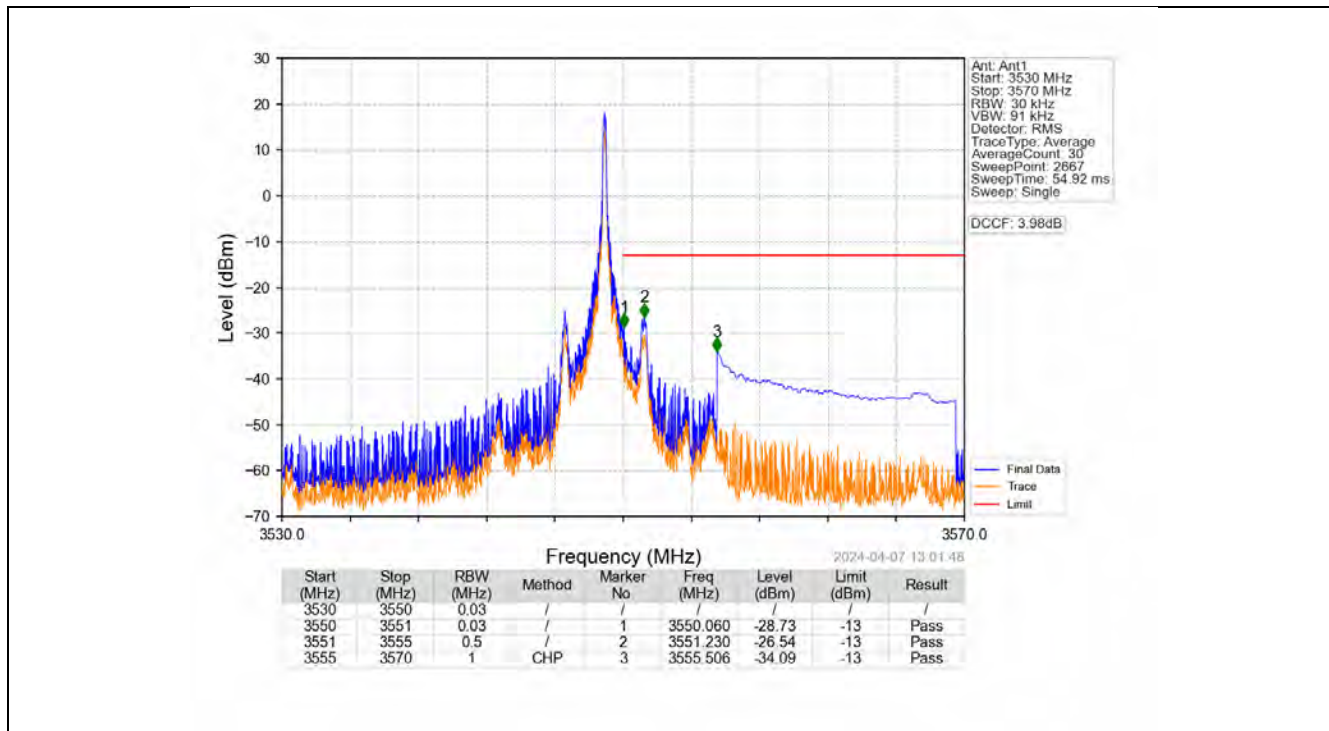
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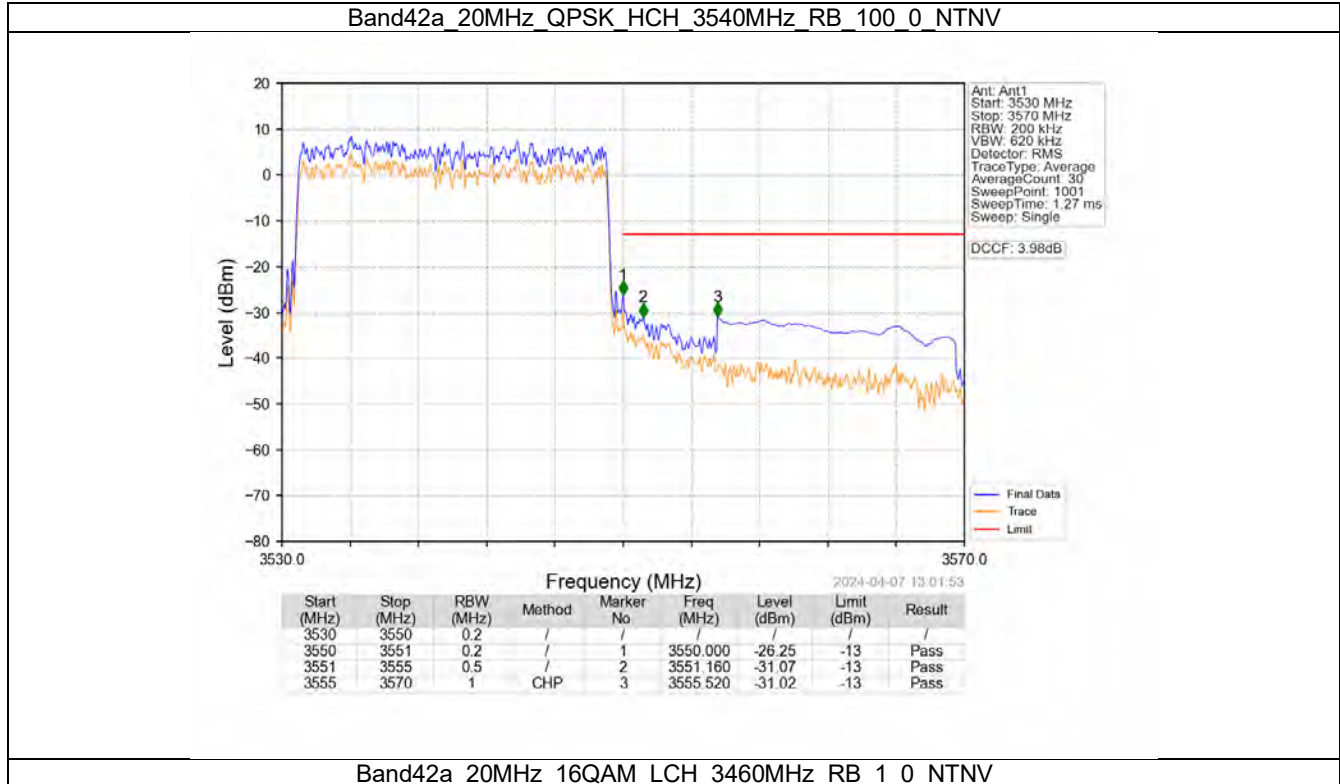


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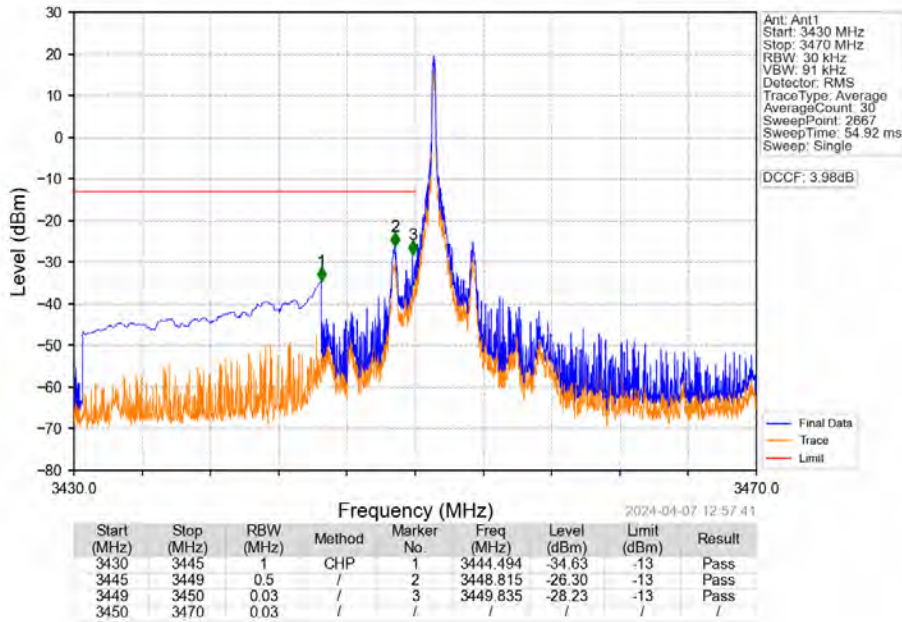


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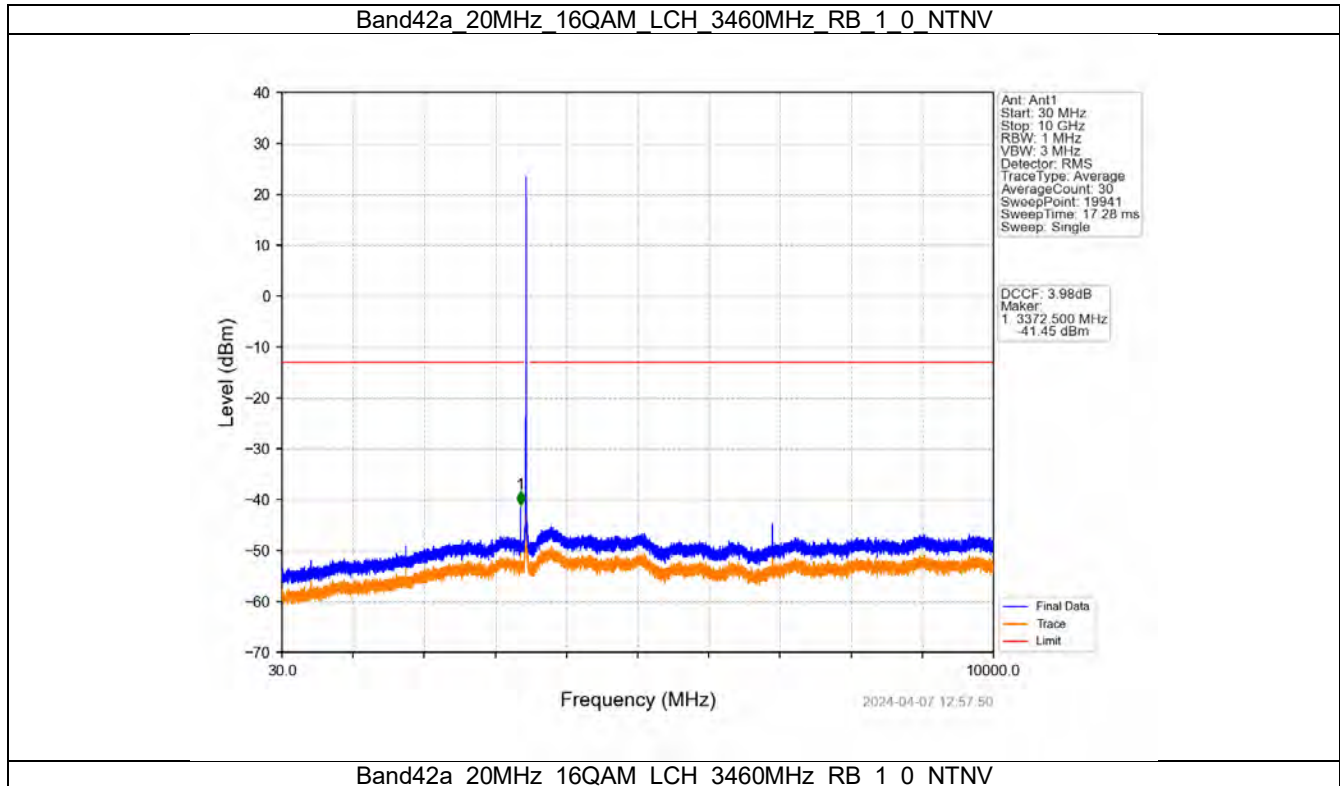


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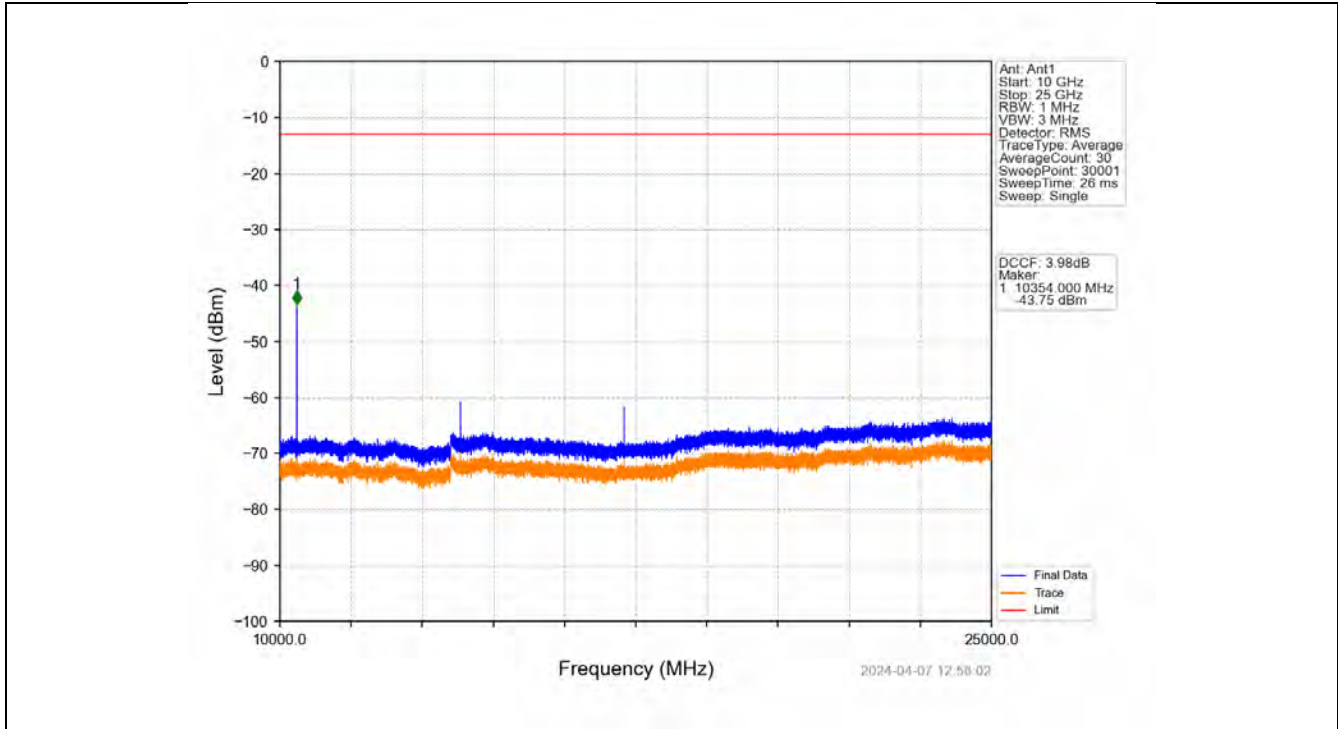


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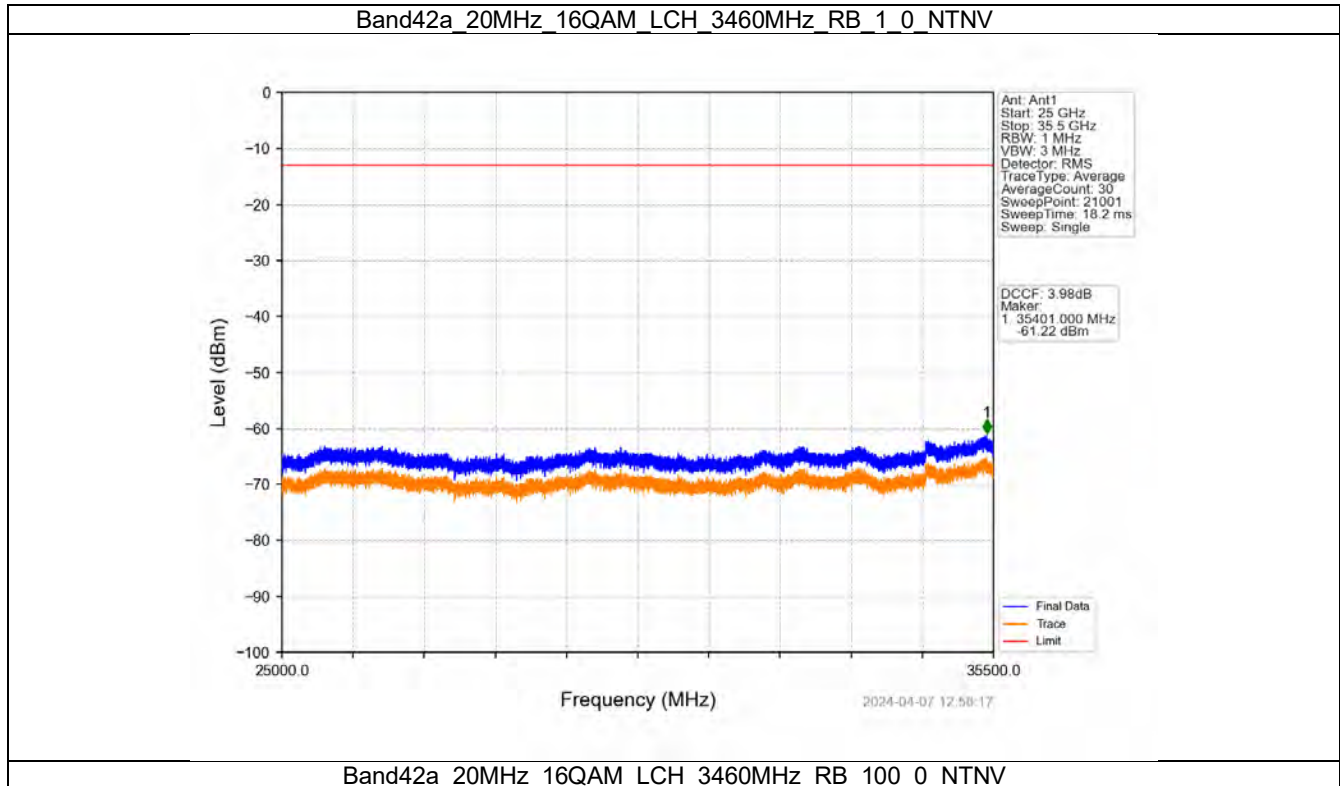


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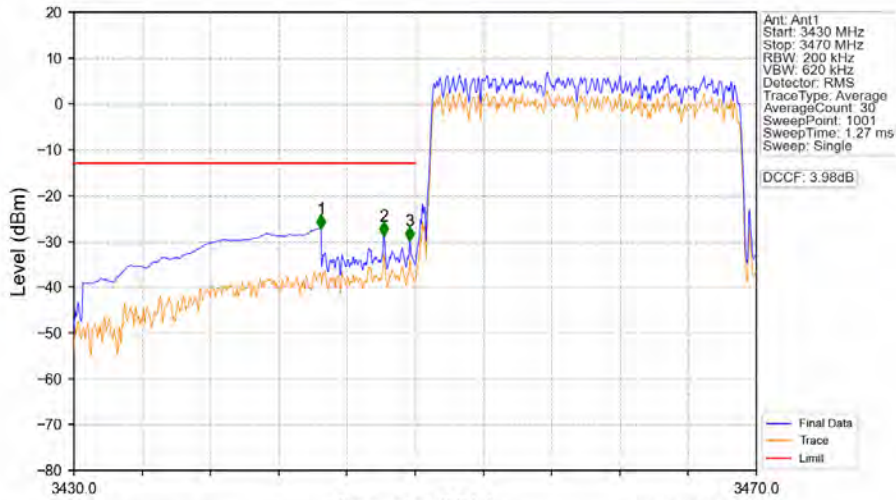


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3430	3445	1	CHP	1	3444.480	-27.24	-13	Pass
3445	3449	0.5	/	2	3448.160	-28.82	-13	Pass
3449	3450	0.2	/	3	3449.680	-29.99	-13	Pass
3450	3470	0.2	/	/	/	/	/	/



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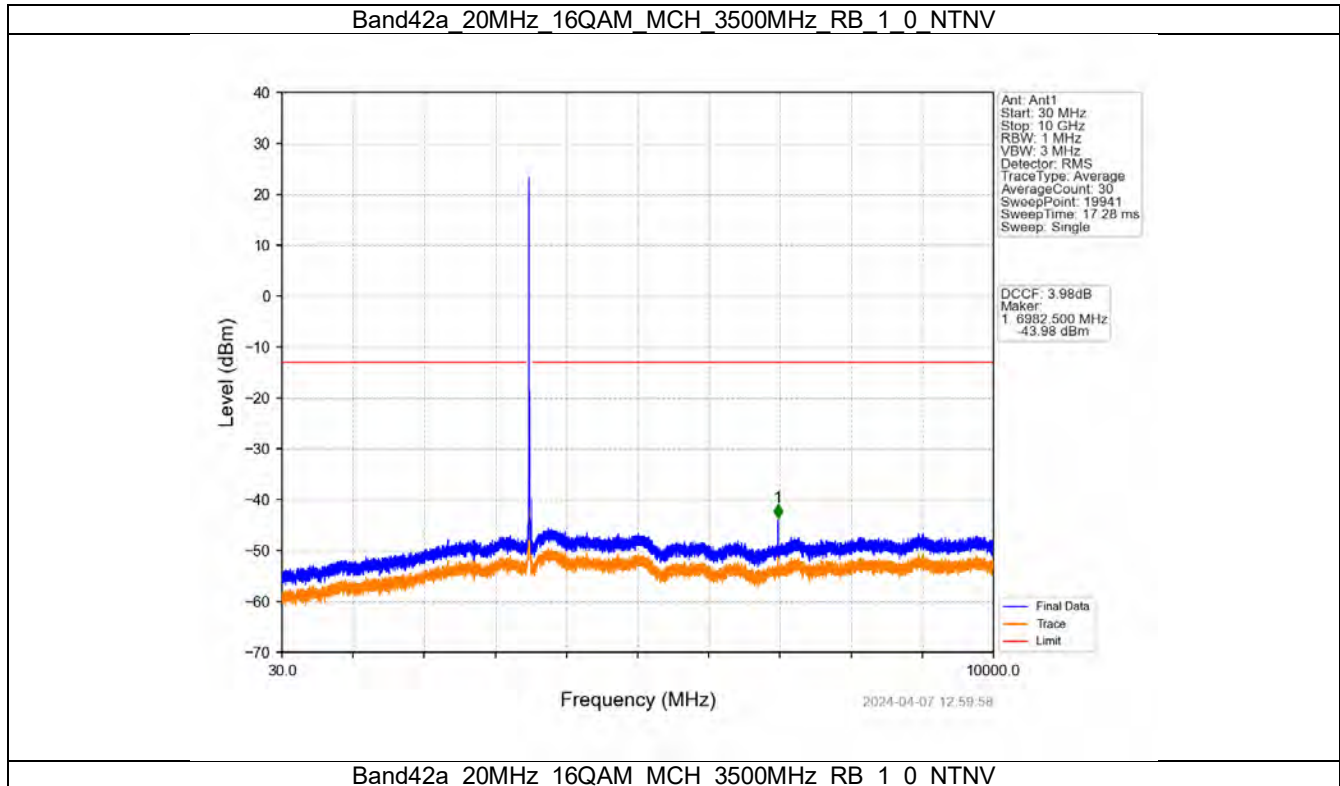


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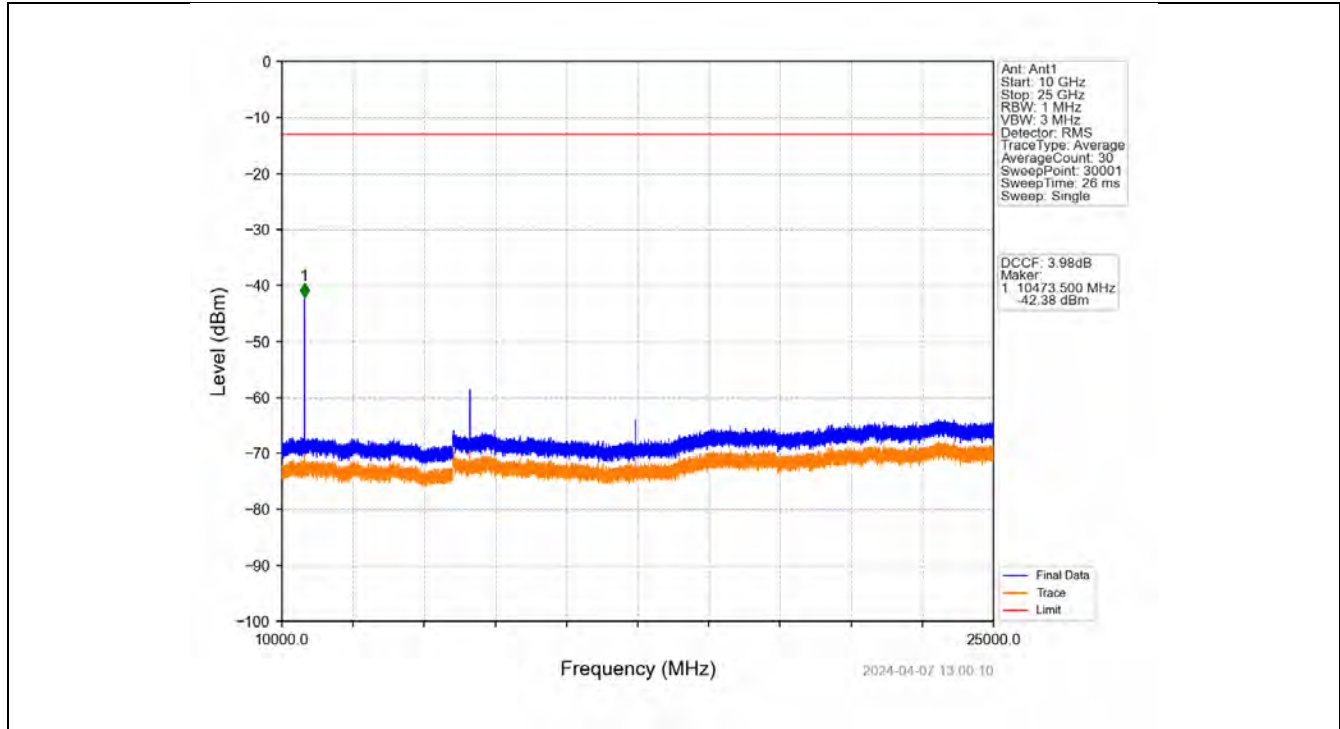


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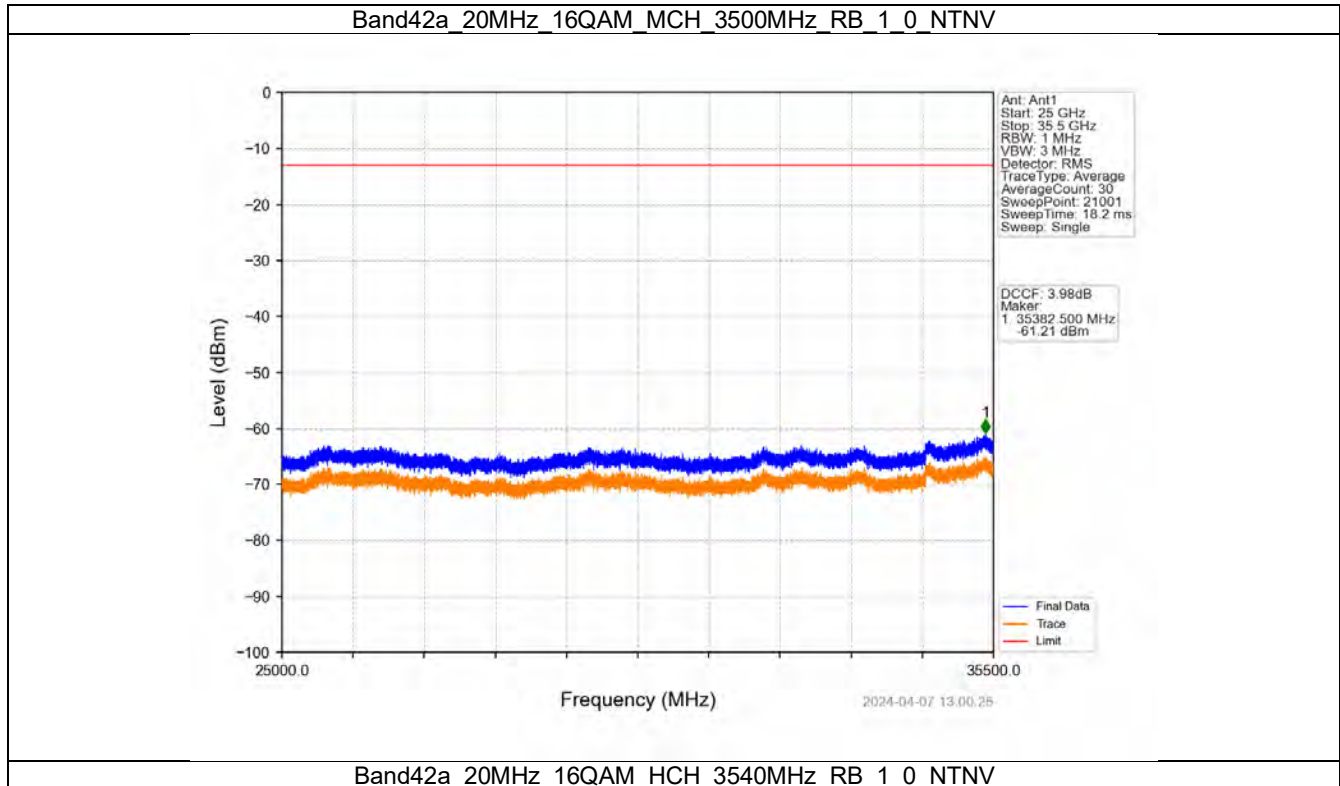


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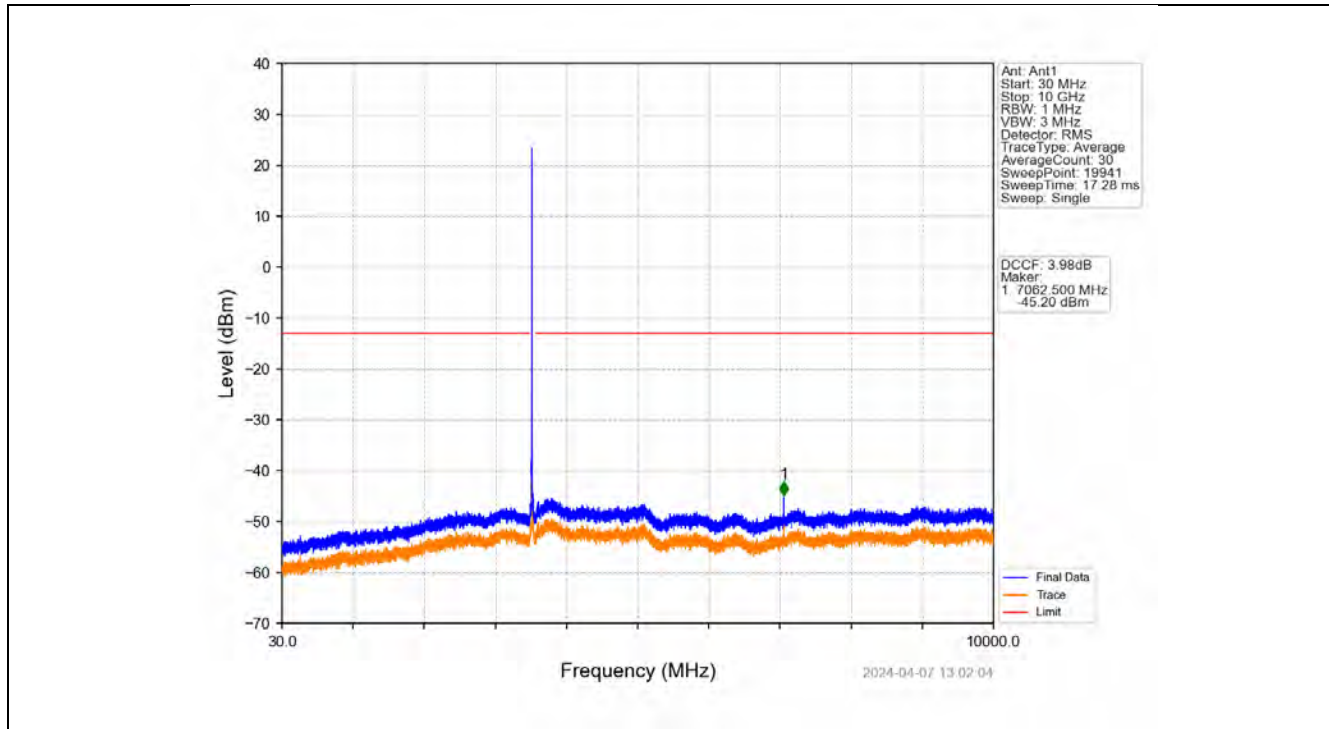
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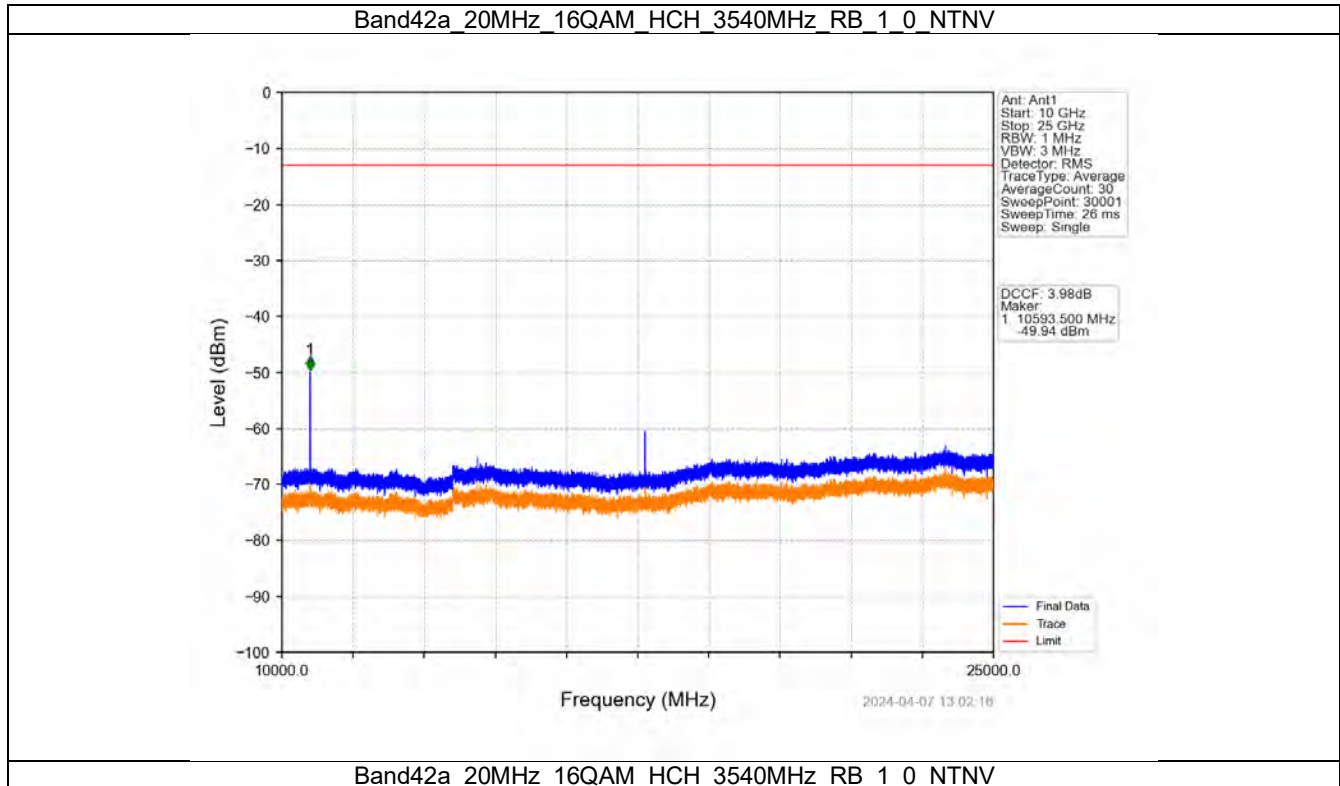


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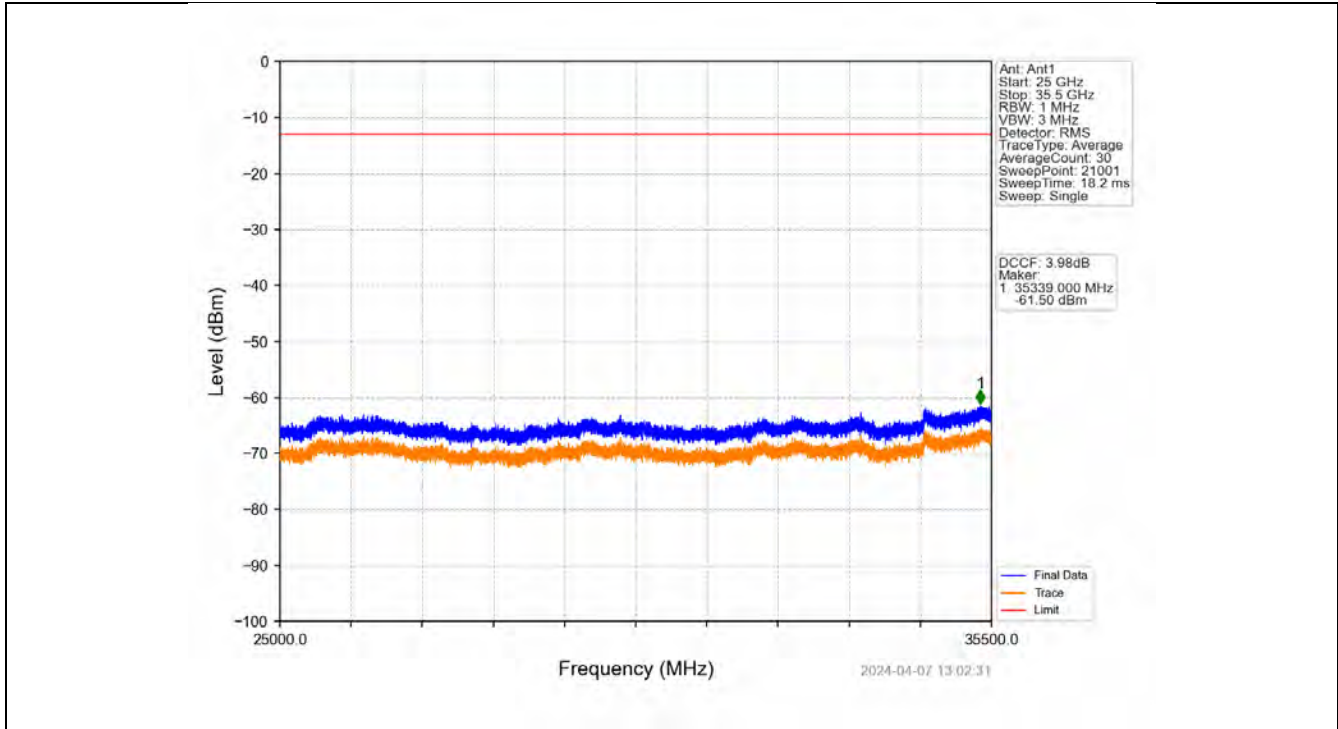


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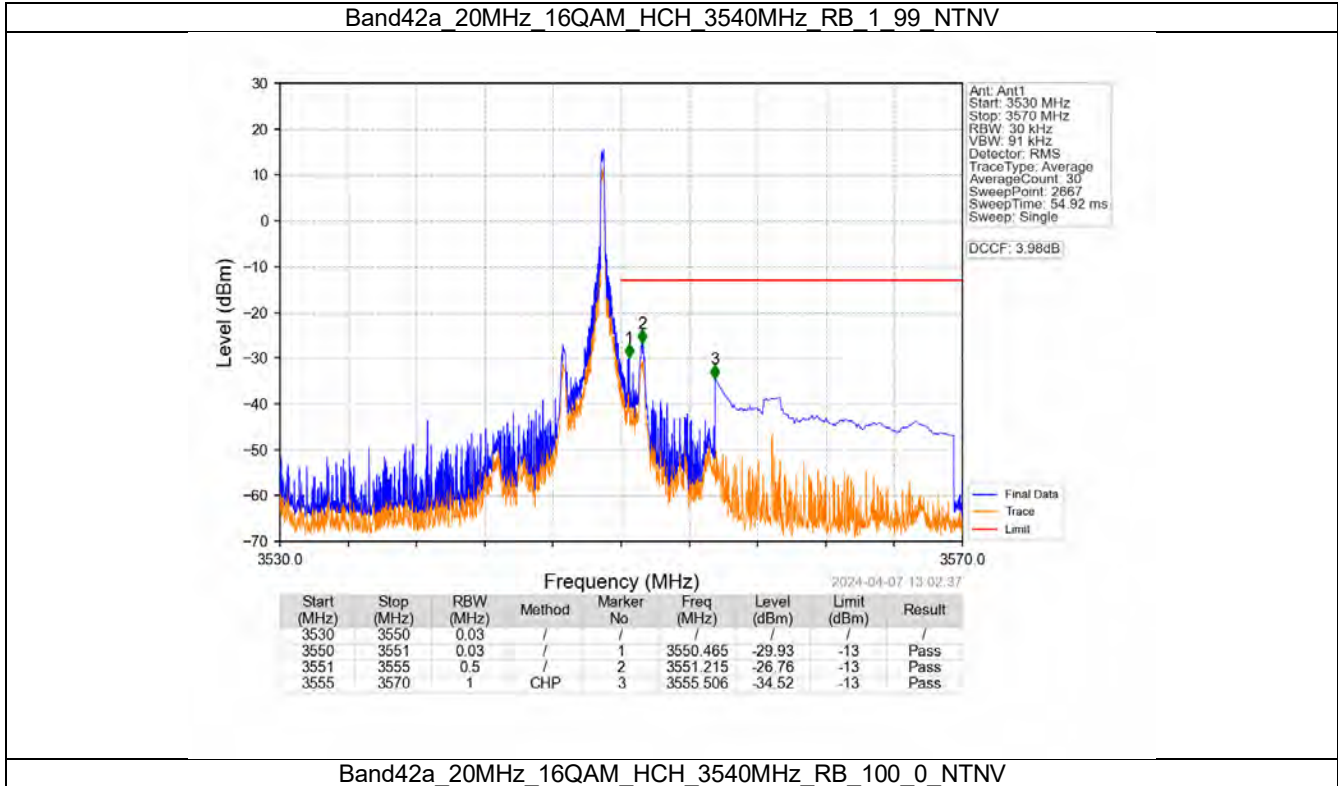


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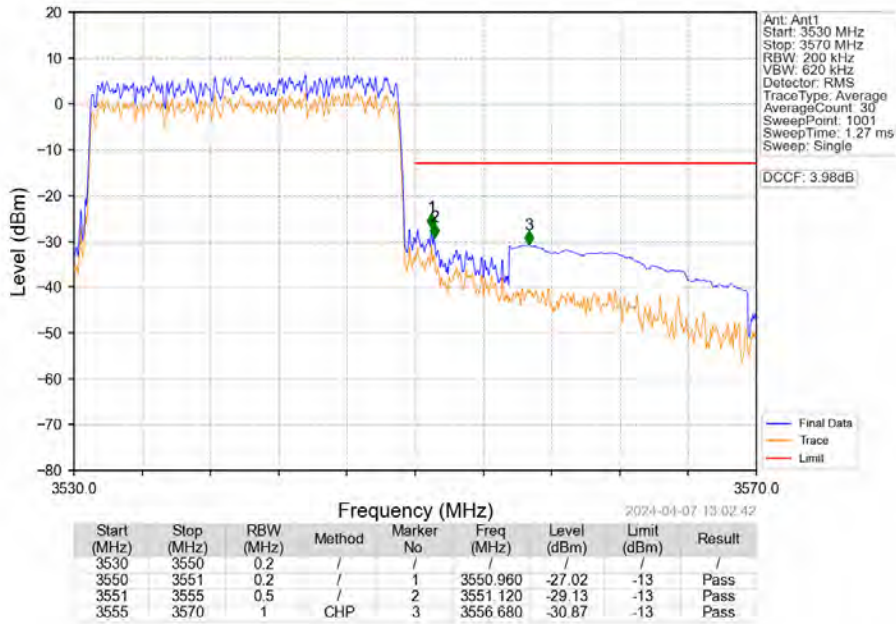


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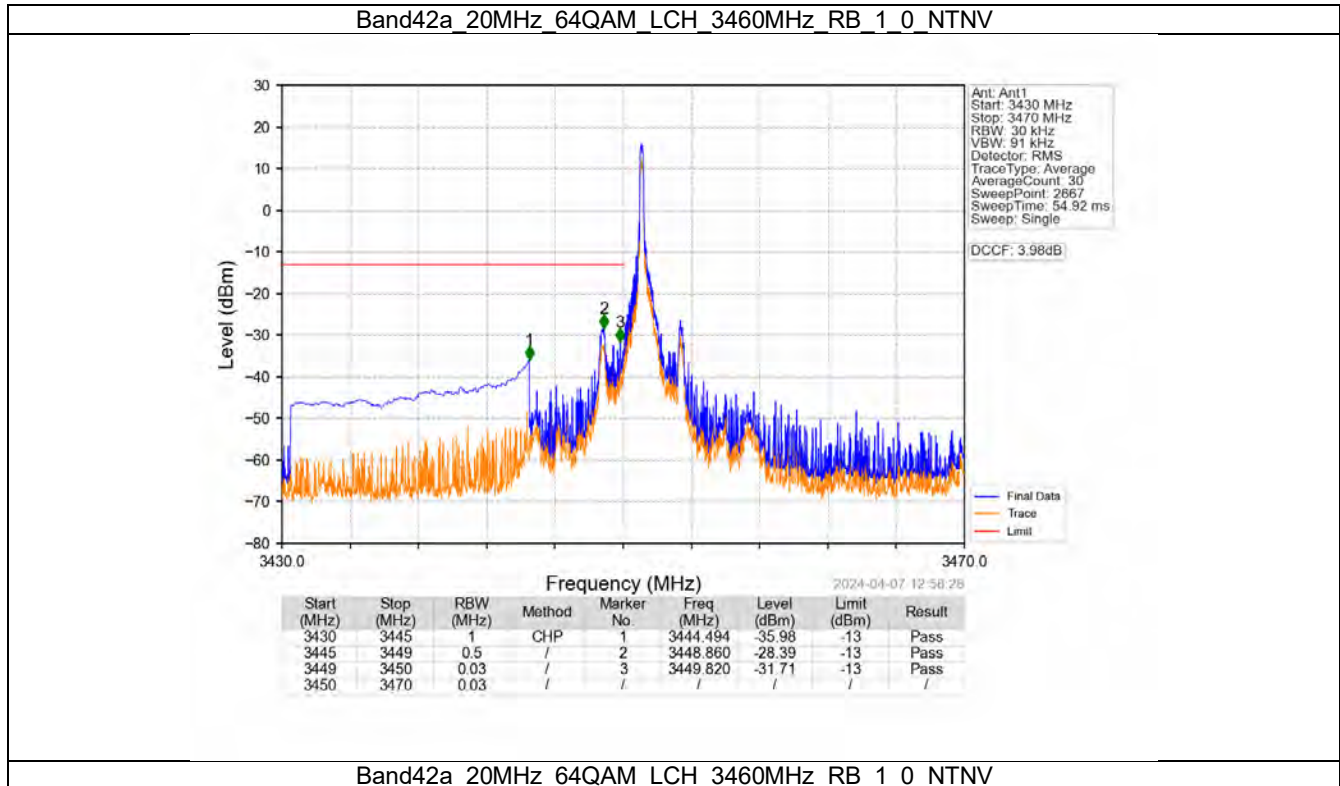


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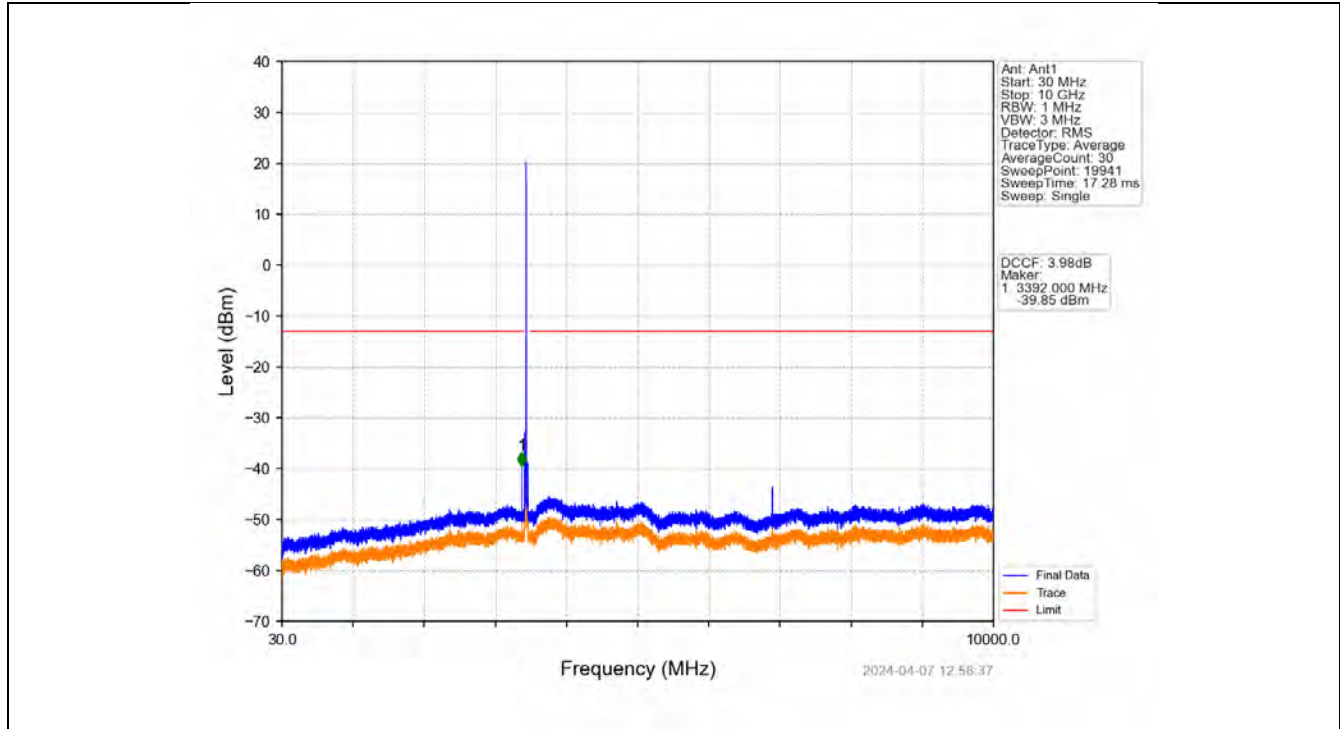


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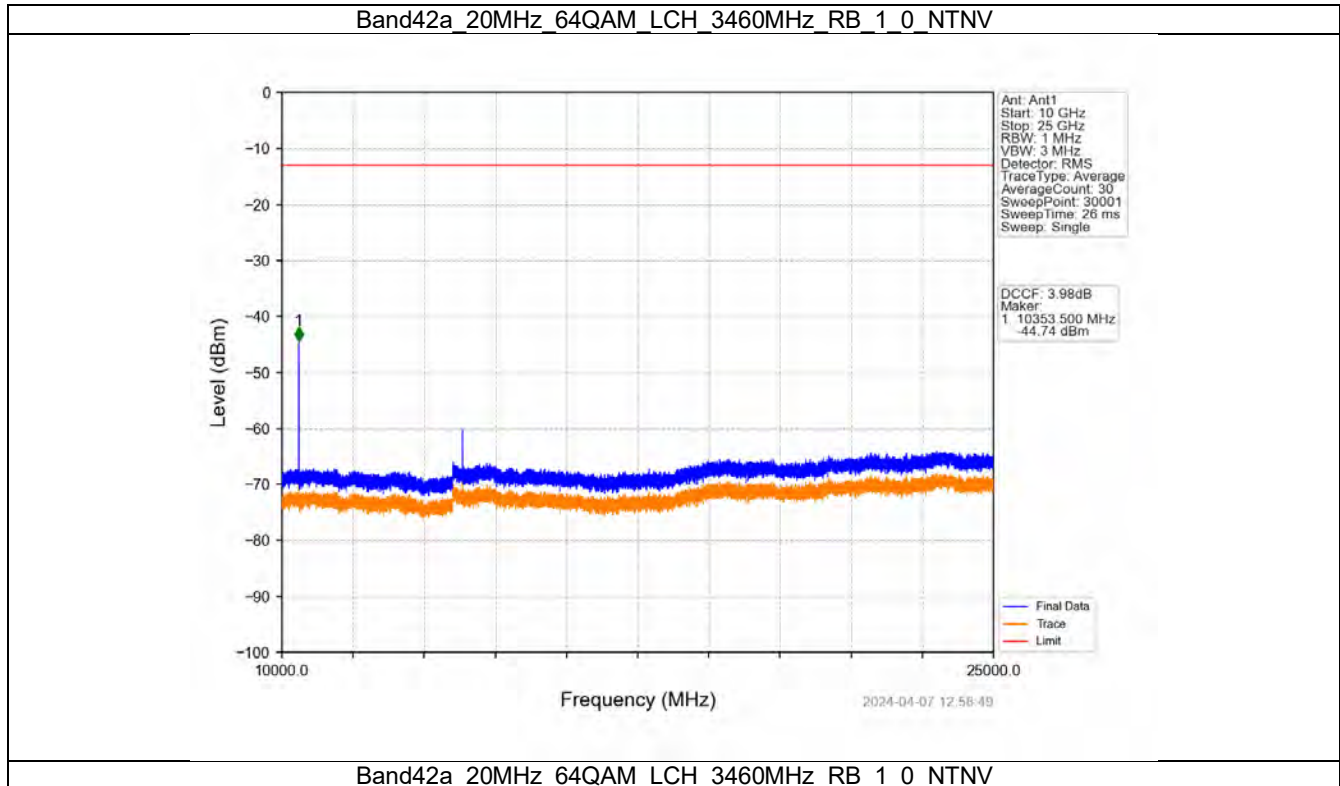


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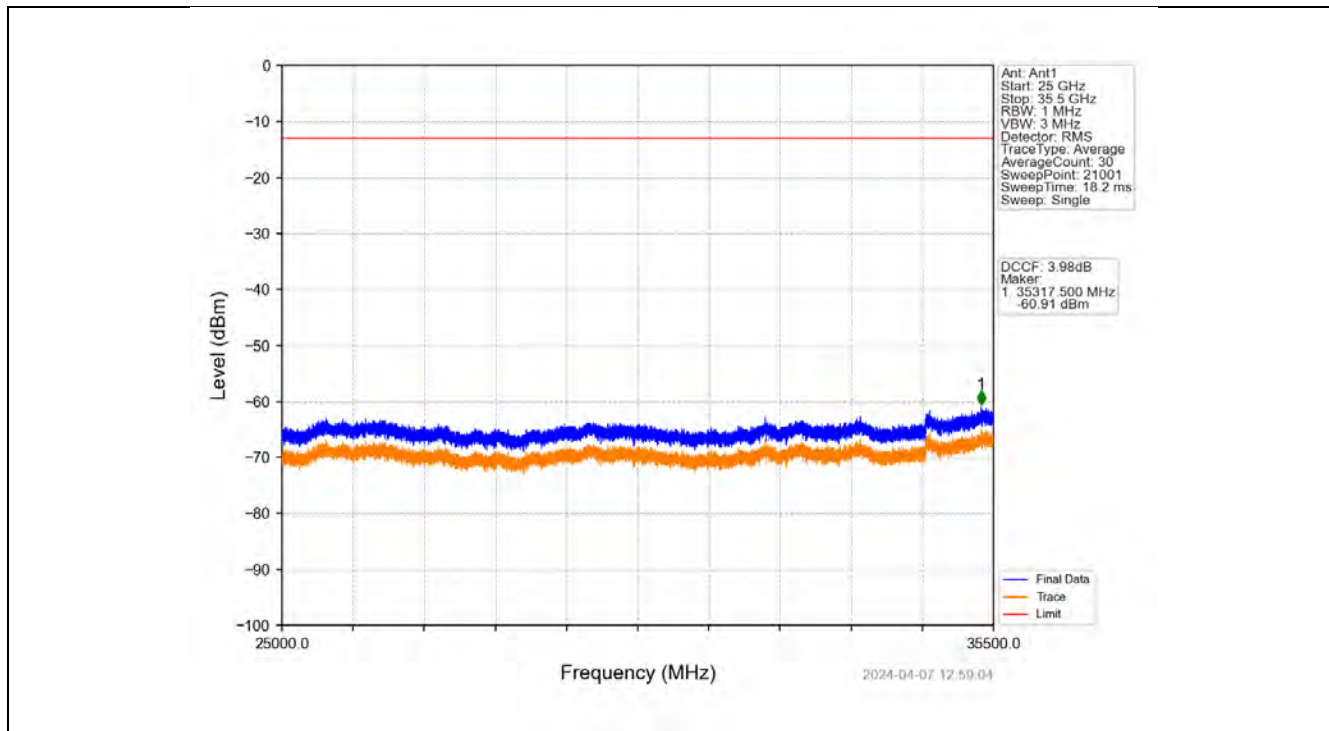
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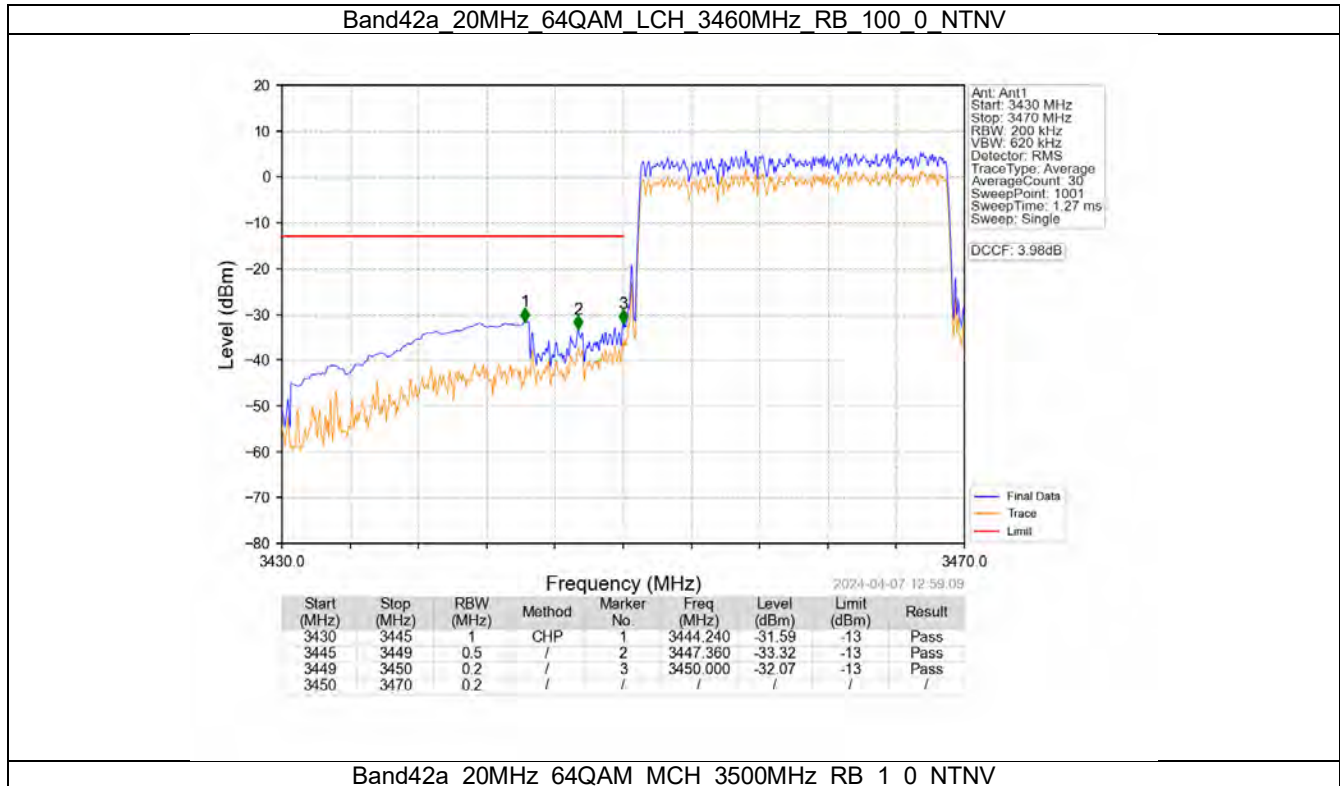


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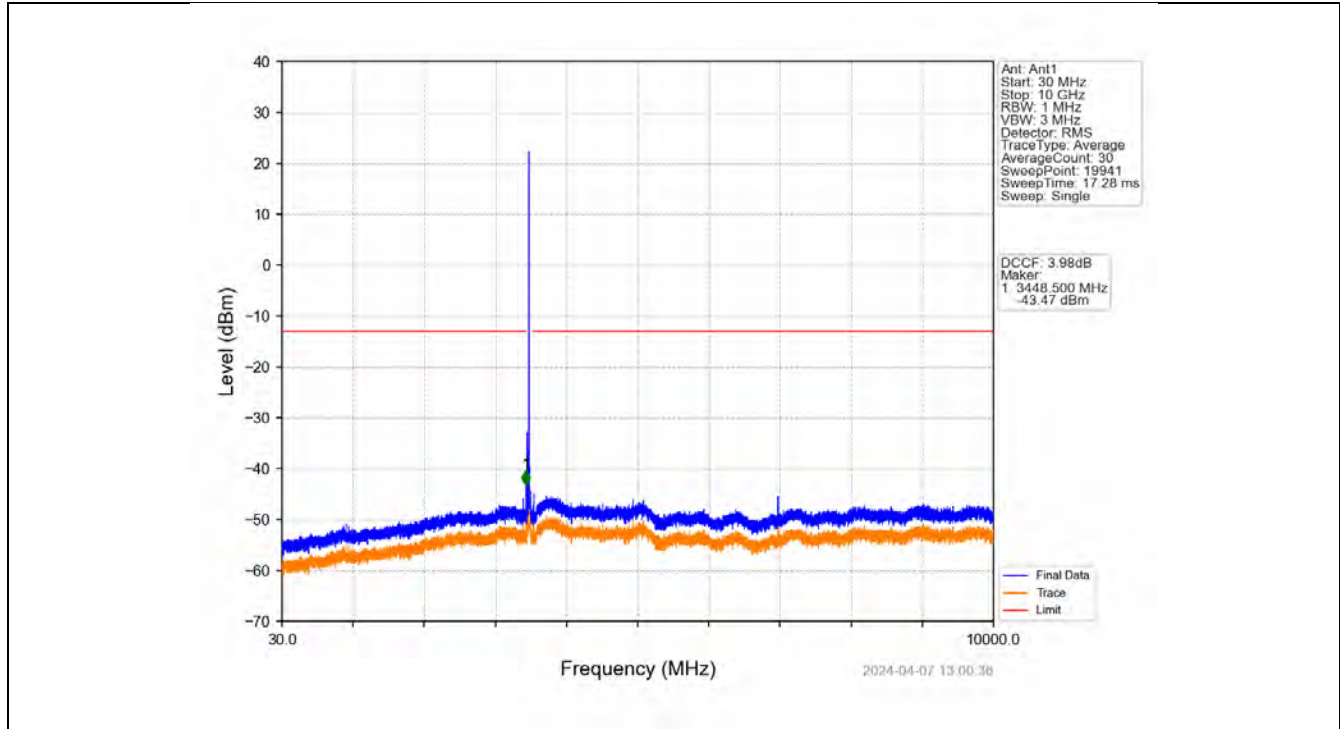


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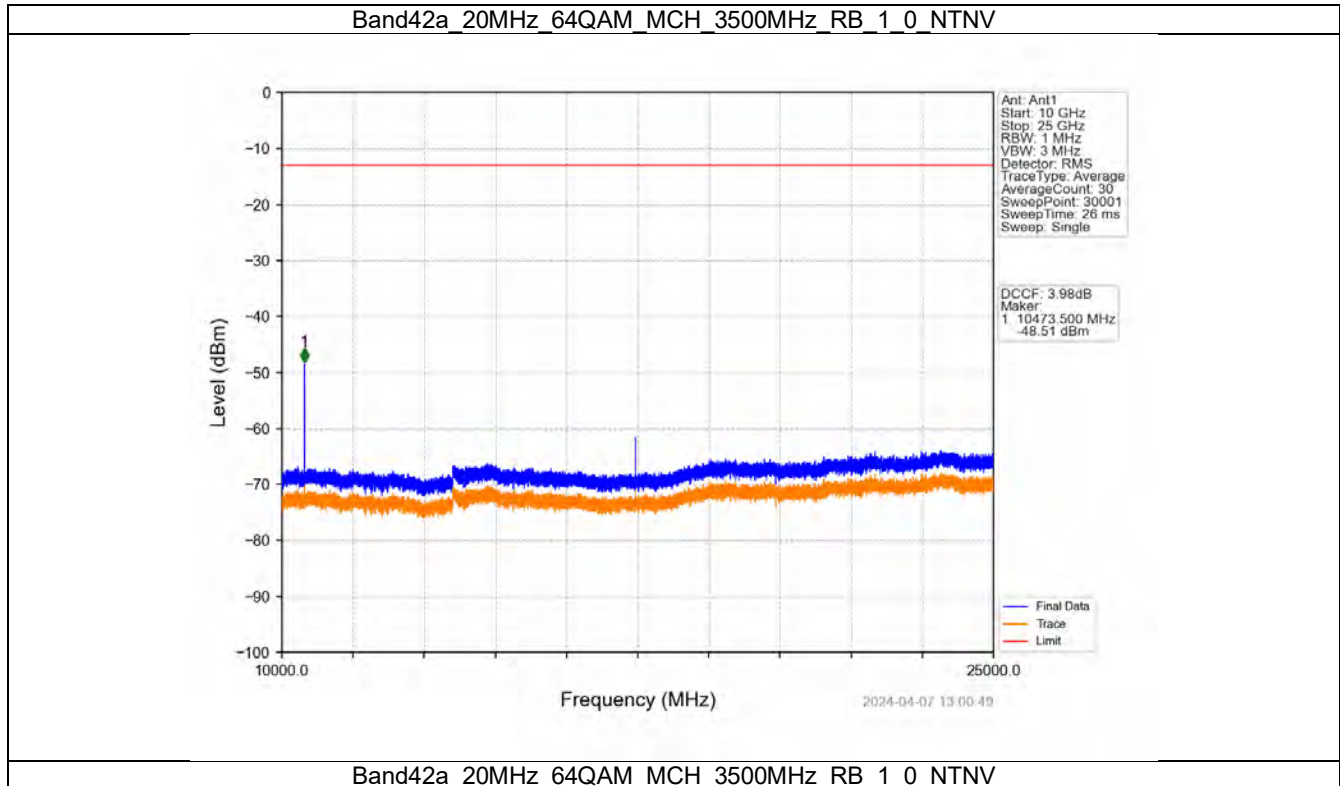


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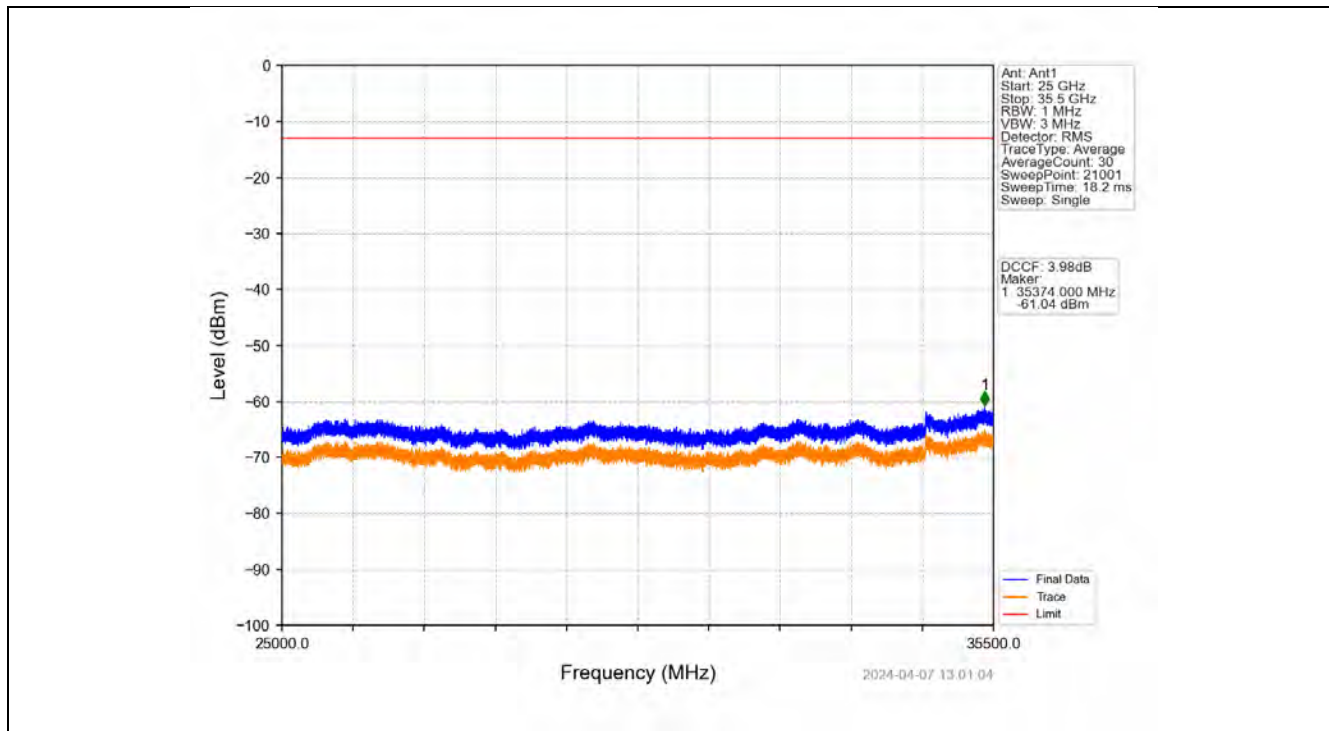
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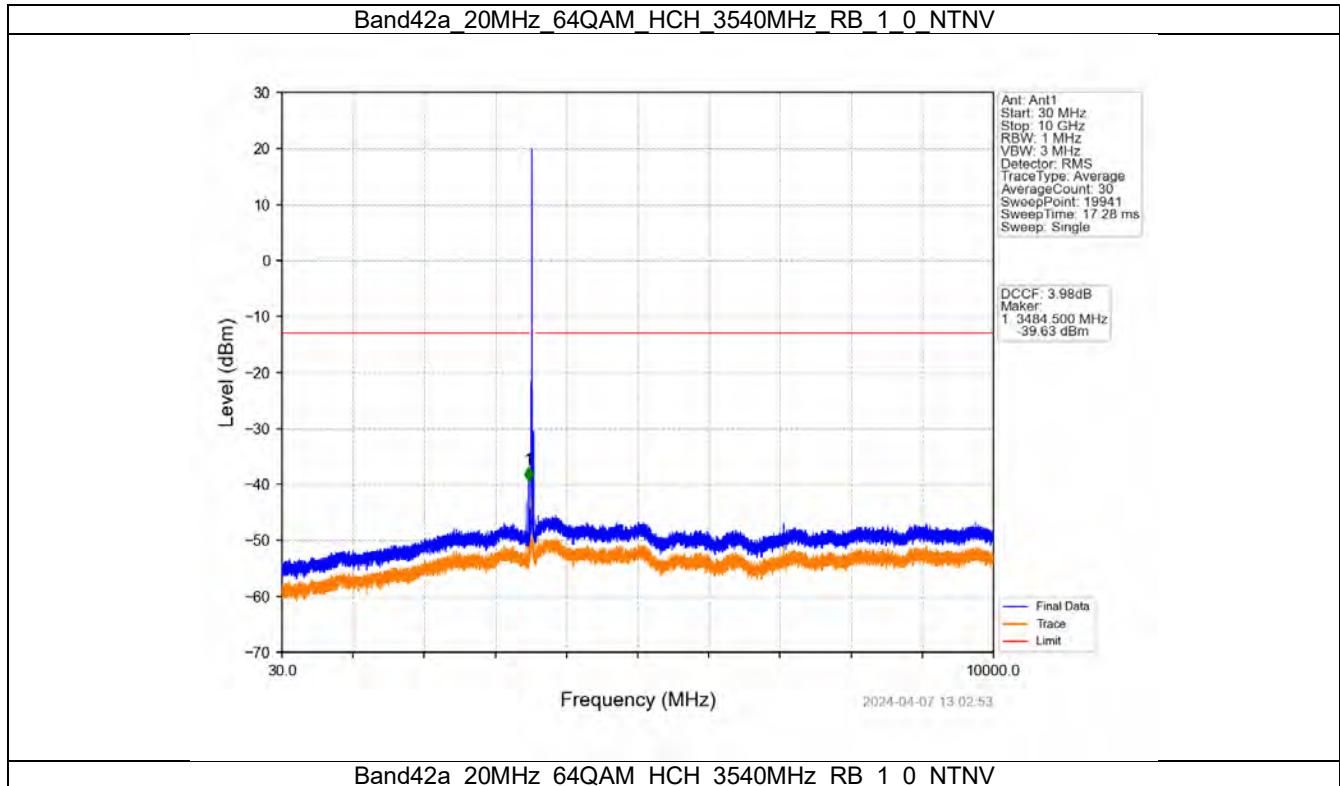


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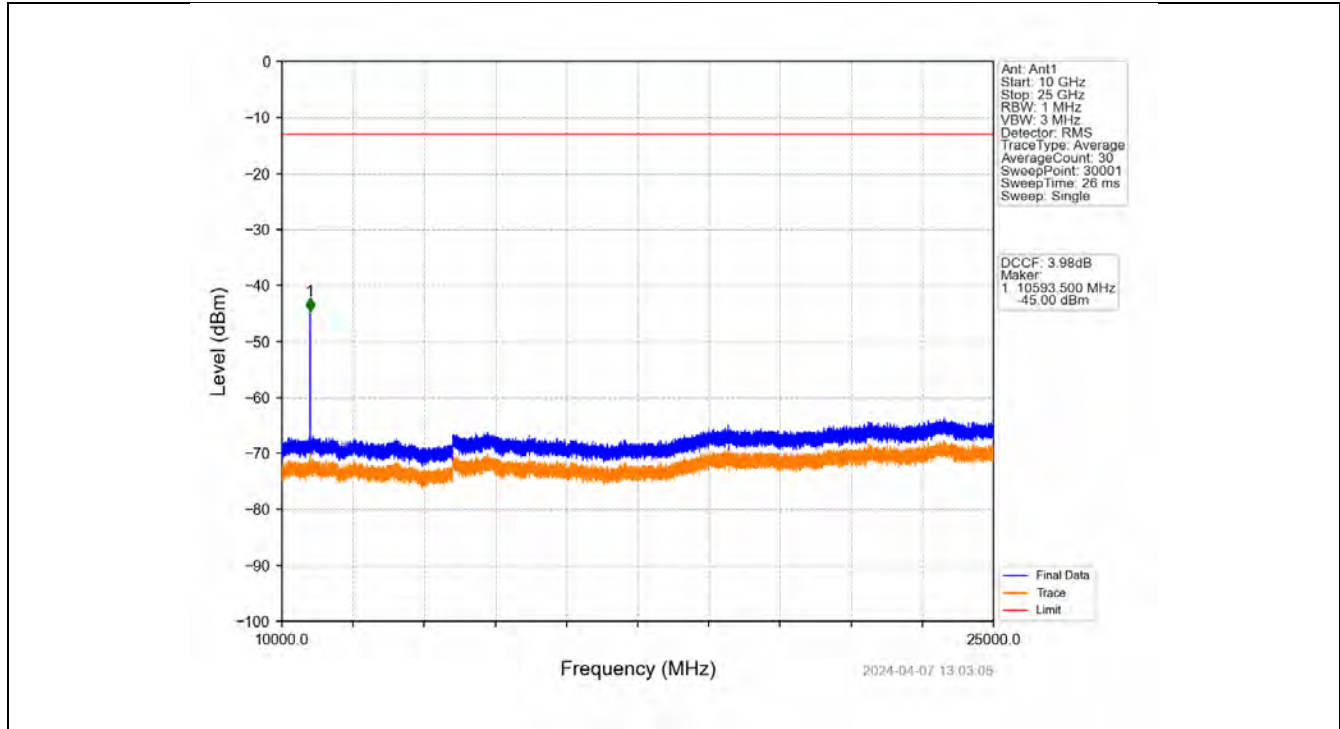


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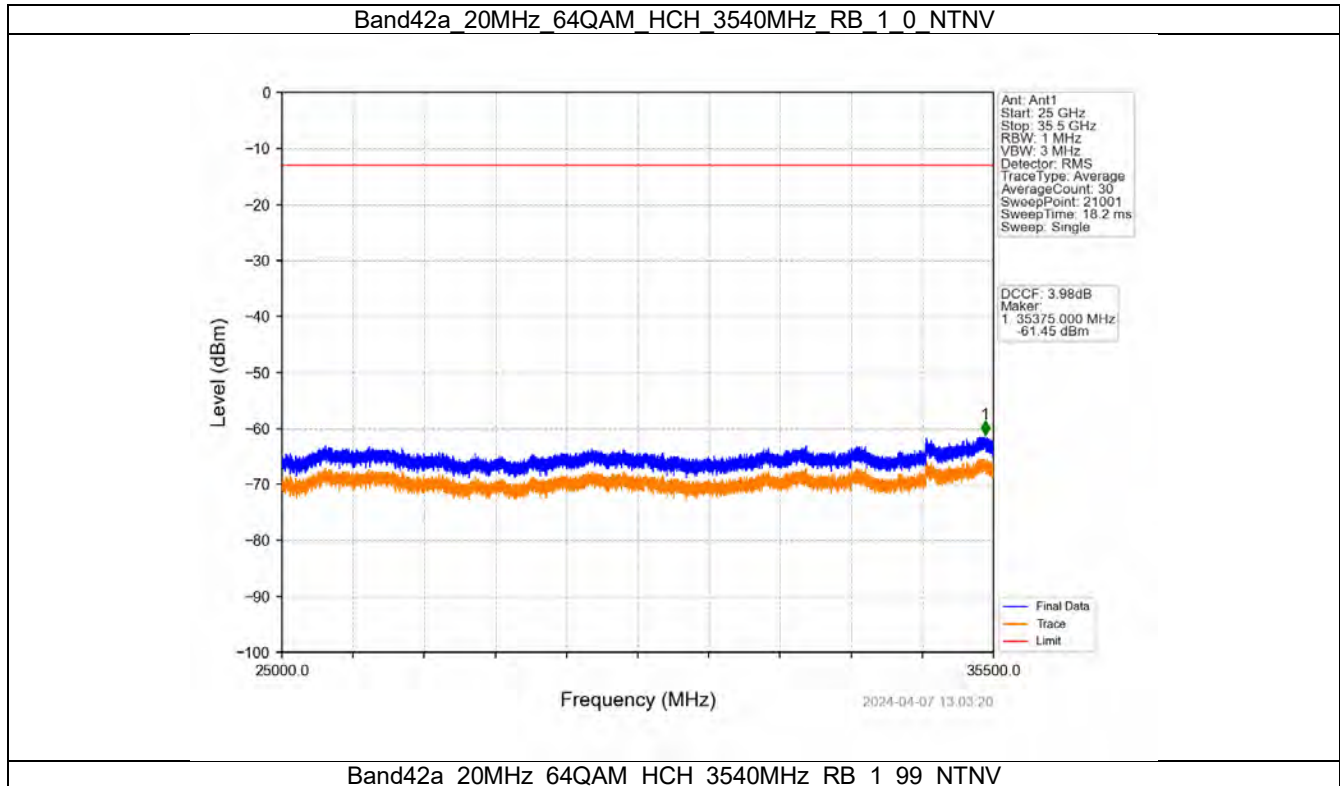


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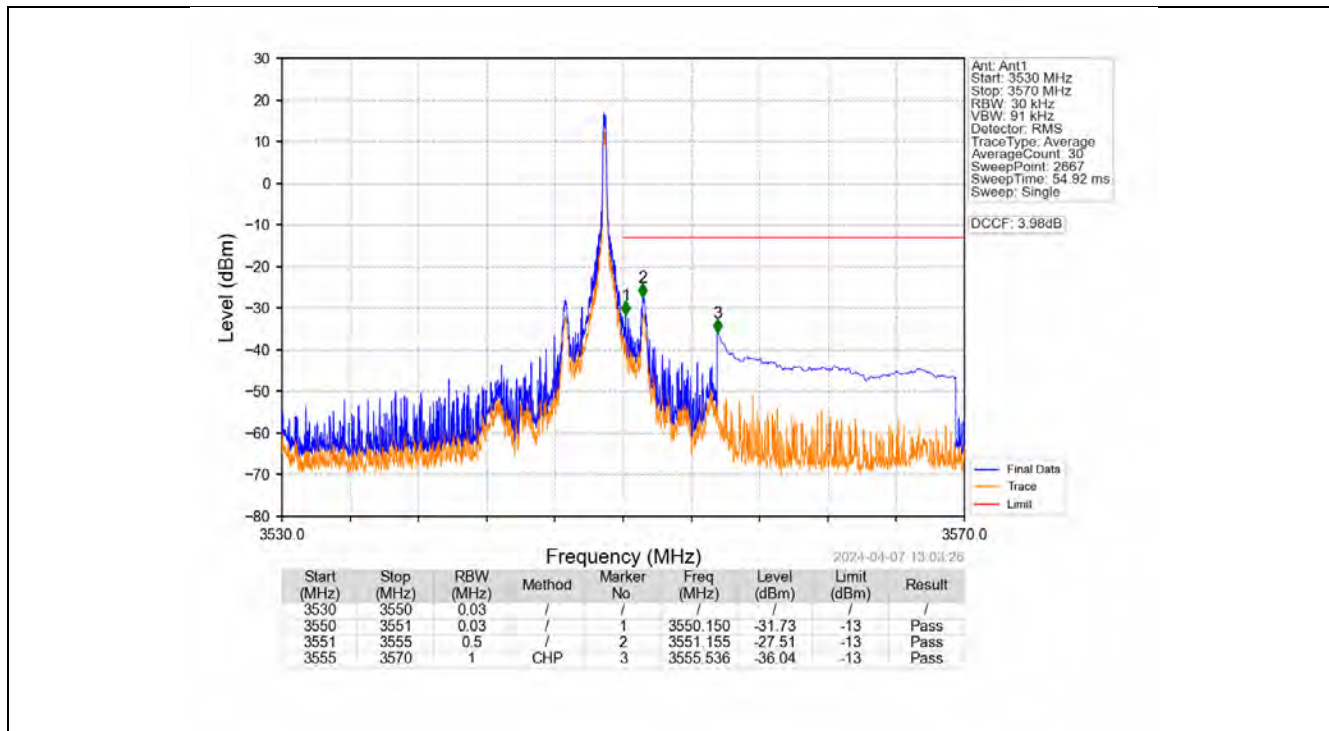
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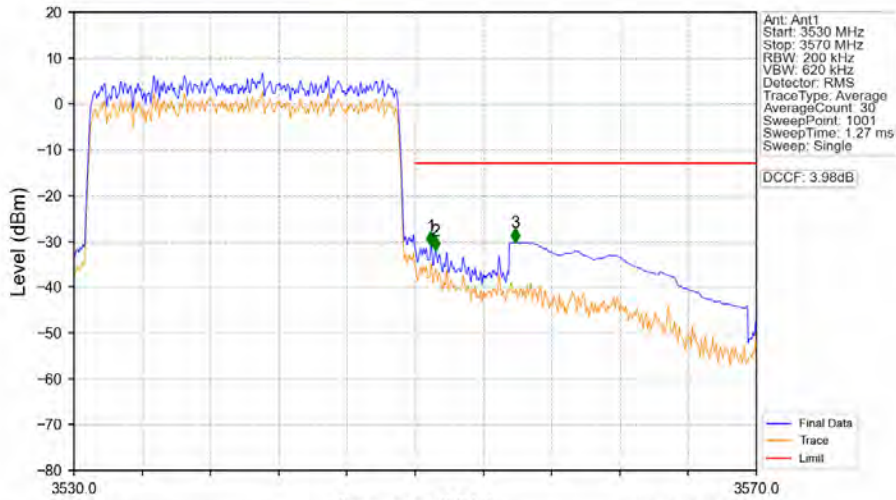
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Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	1	3550.920	-30.98	-13	Pass
3551	3555	0.5	/	2	3551.200	-32.03	-13	Pass
3555	3570	1	CHP	3	3555.840	-30.21	-13	Pass



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6. Adjacent Channel Leakage Ratio

6.1 B42a_5MHz

6.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	Refer To Test Graph		Pass
	3500	25	0	Refer To Test Graph		Pass
	3547.5	25	0	Refer To Test Graph		Pass
16QAM	3452.5	25	0	Refer To Test Graph		Pass
	3500	25	0	Refer To Test Graph		Pass
	3547.5	25	0	Refer To Test Graph		Pass
64QAM	3452.5	25	0	Refer To Test Graph		Pass
	3500	25	0	Refer To Test Graph		Pass
	3547.5	25	0	Refer To Test Graph		Pass



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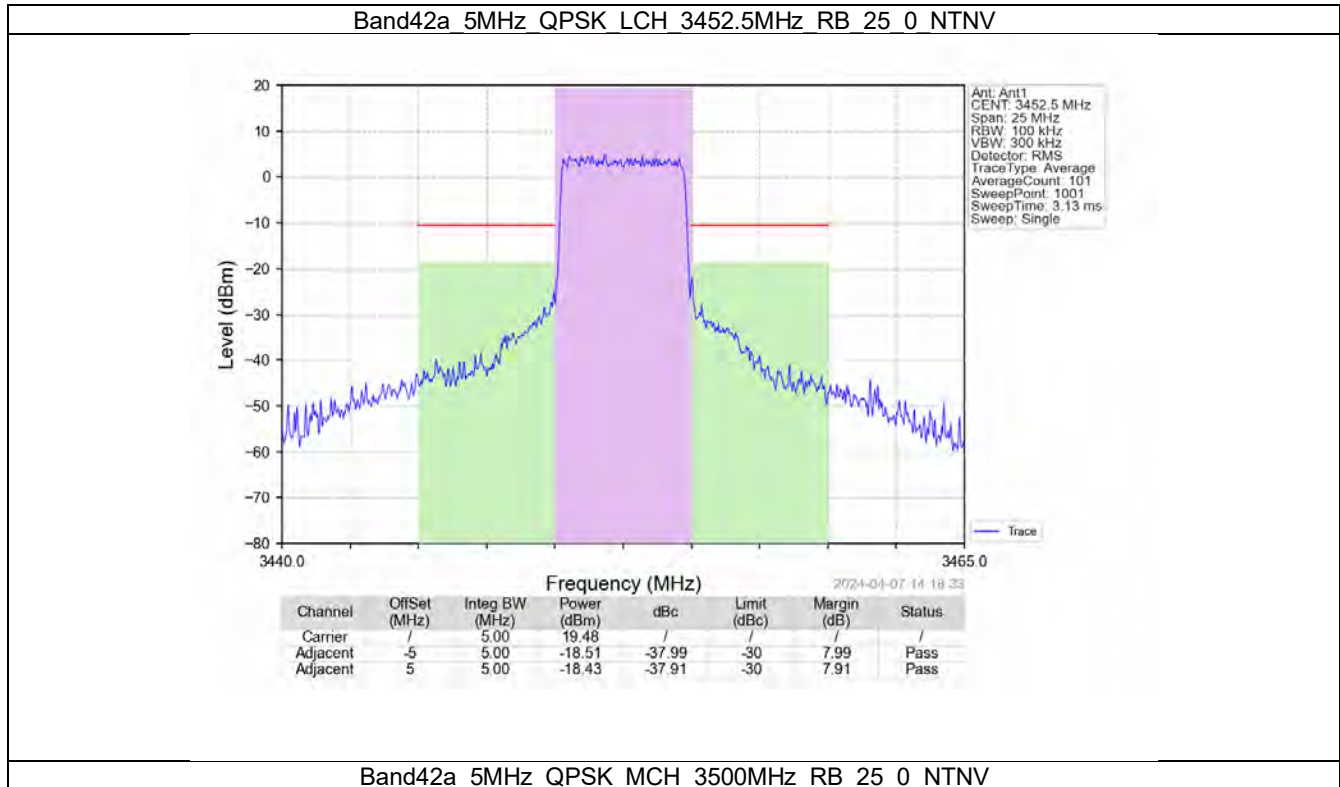
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6.1.2 Test Graph



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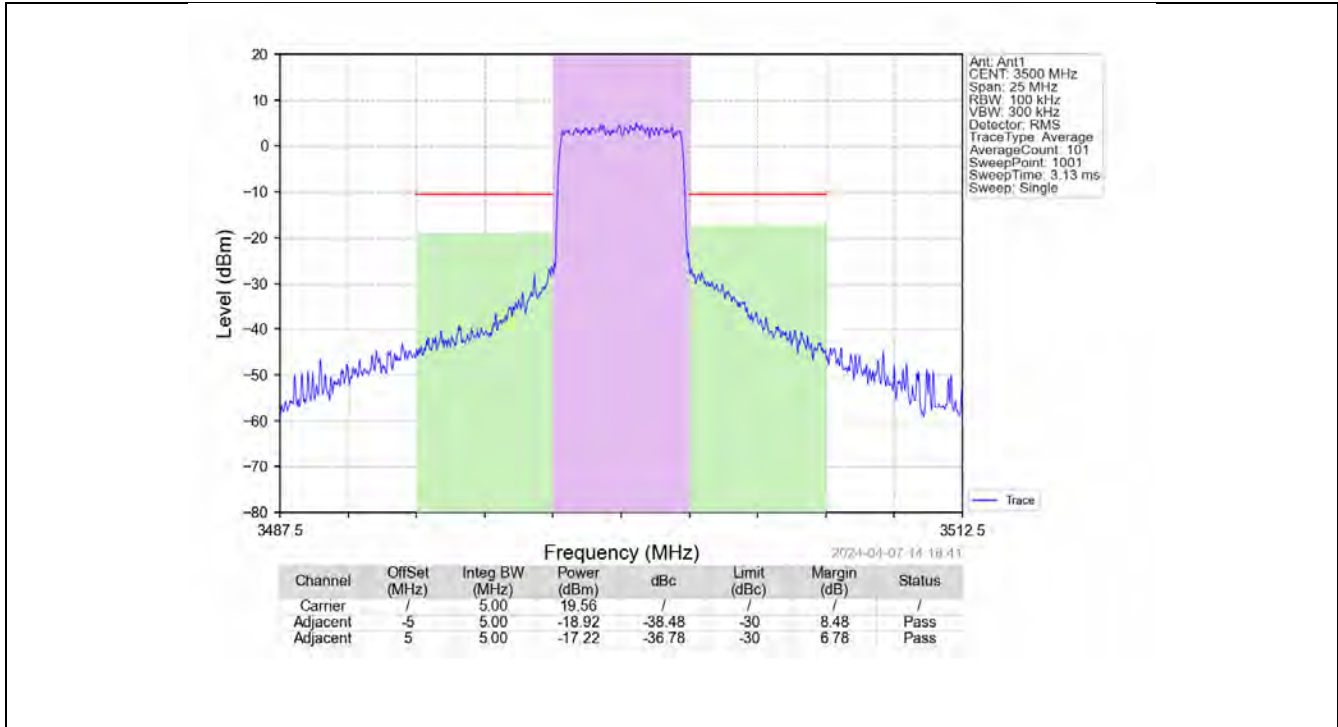


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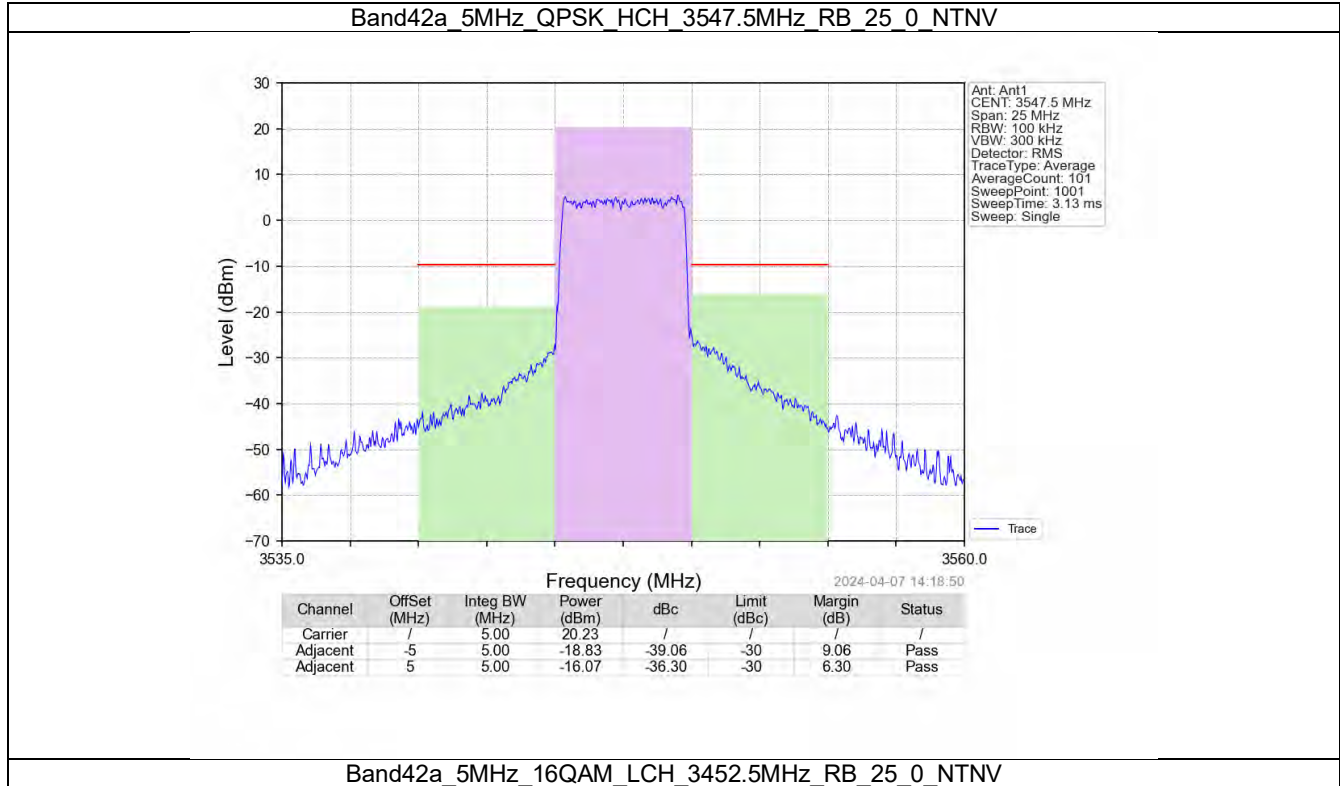


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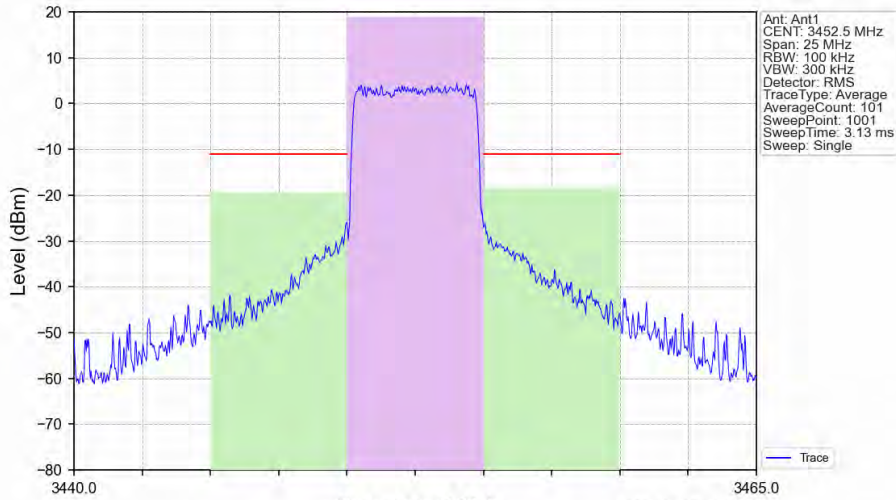


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Ant: Ant1
CENT: 3452.5 MHz
Span: 25 MHz
RBW: 100 kHz
VBW: 300 kHz
Detector: RMS
Trace Type: Average
AverageCount: 101
SweepPoint: 1001
SweepTime: 3.13 ms
Sweep: Single

2024-04-07 14:18:35

Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.02	/	/	/	/
Adjacent	-5	5.00	-19.52	-38.54	-30	8.54	Pass
Adjacent	5	5.00	-18.48	-37.50	-30	7.50	Pass



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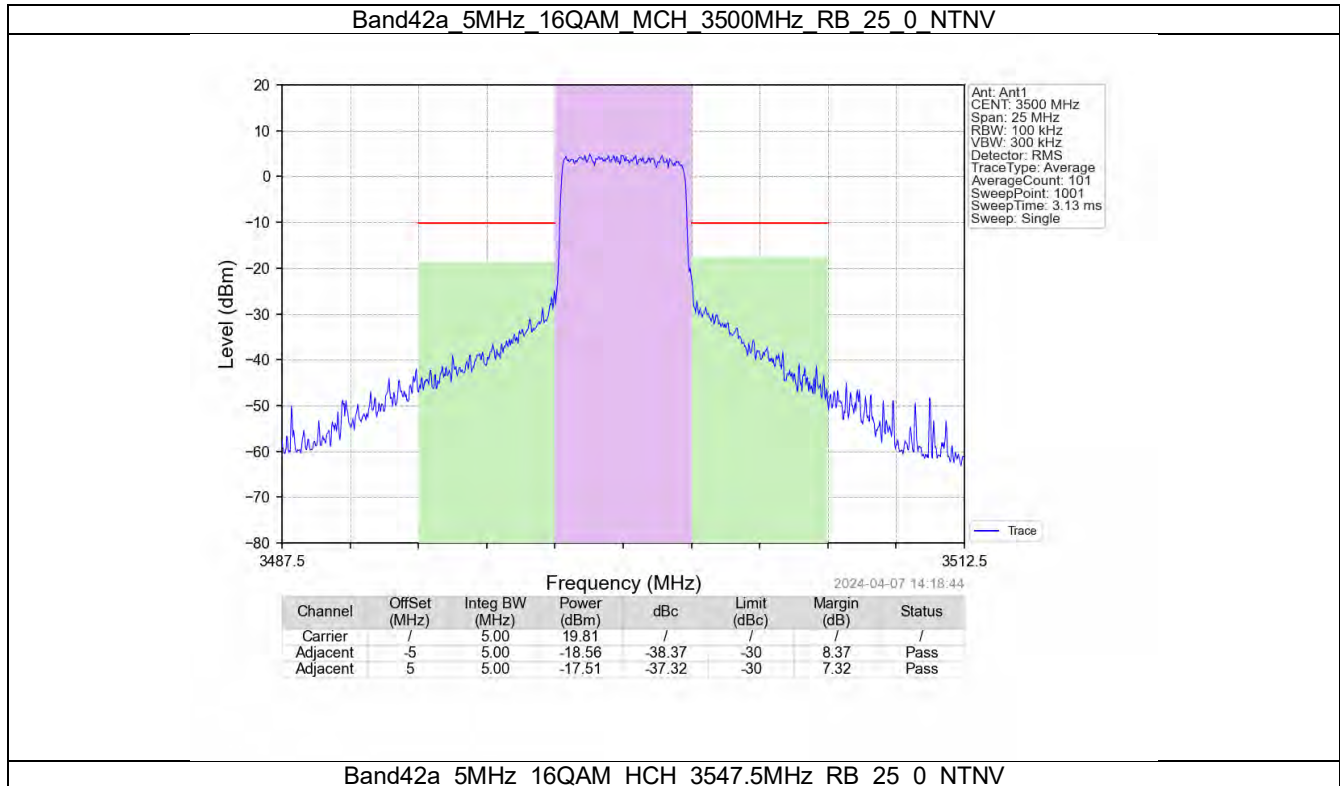


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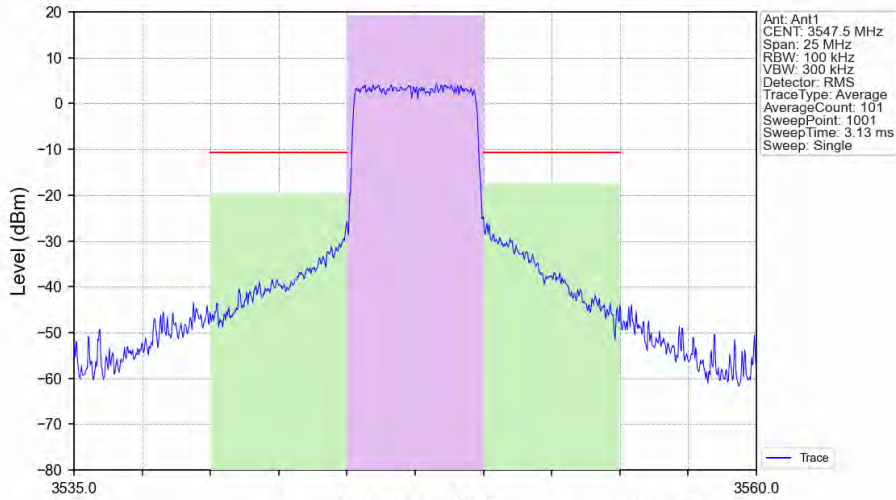
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.34	/	/	/	/
Adjacent	-5	5.00	-19.71	-39.05	-30	9.05	Pass
Adjacent	5	5.00	-17.33	-36.67	-30	6.67	Pass



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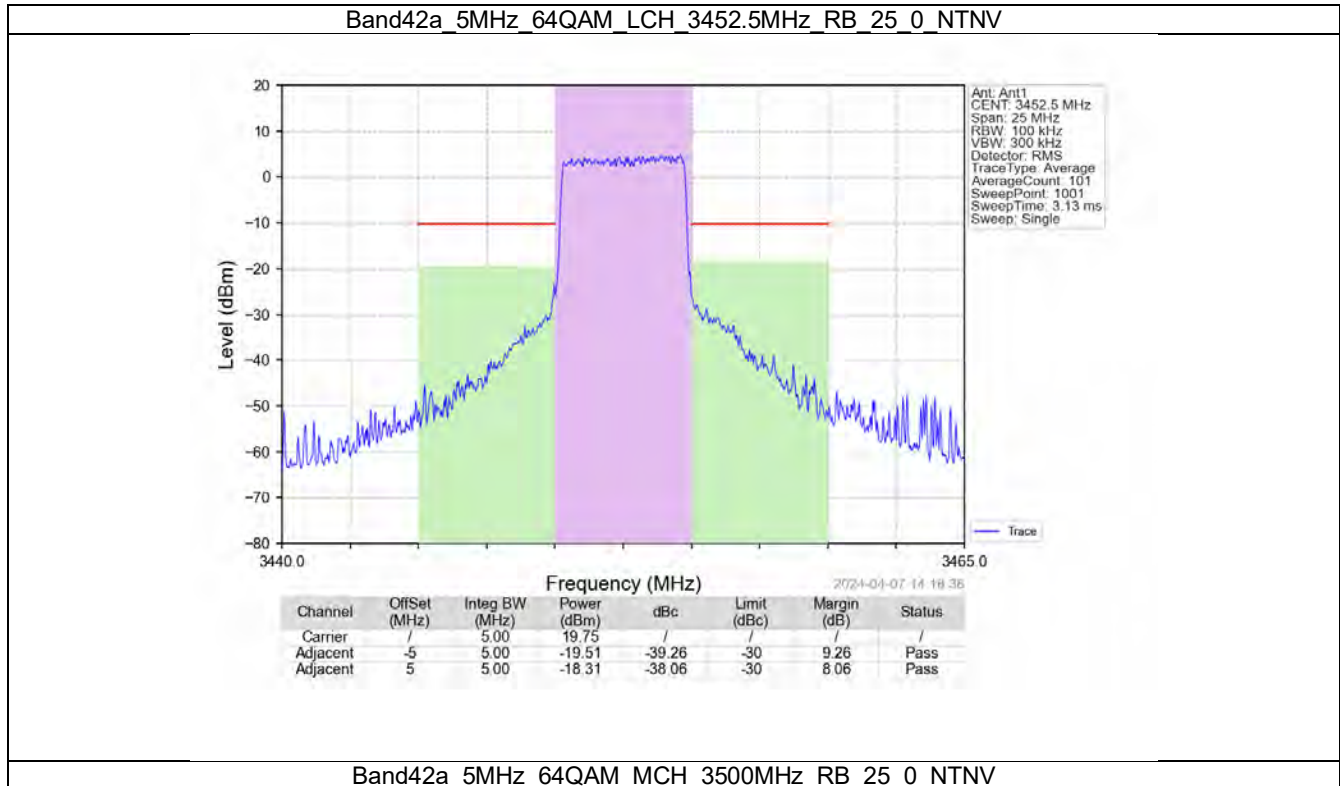


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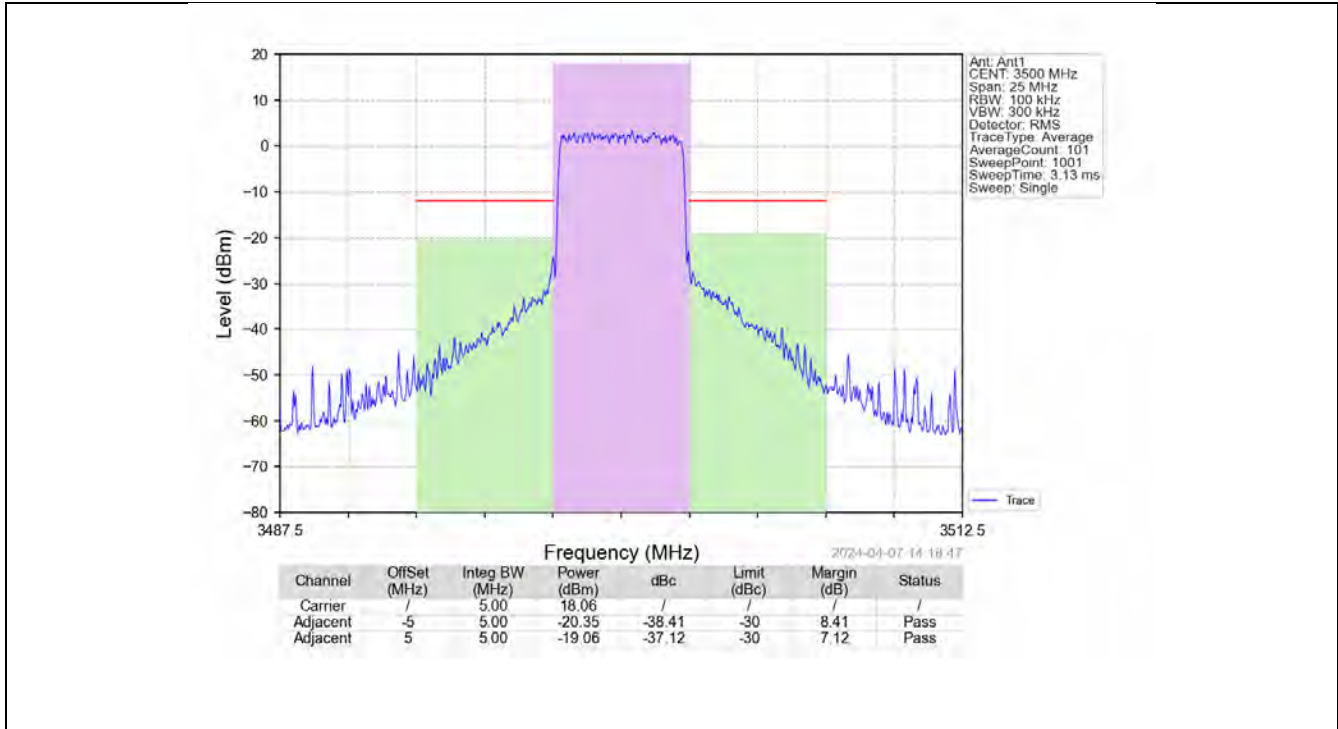


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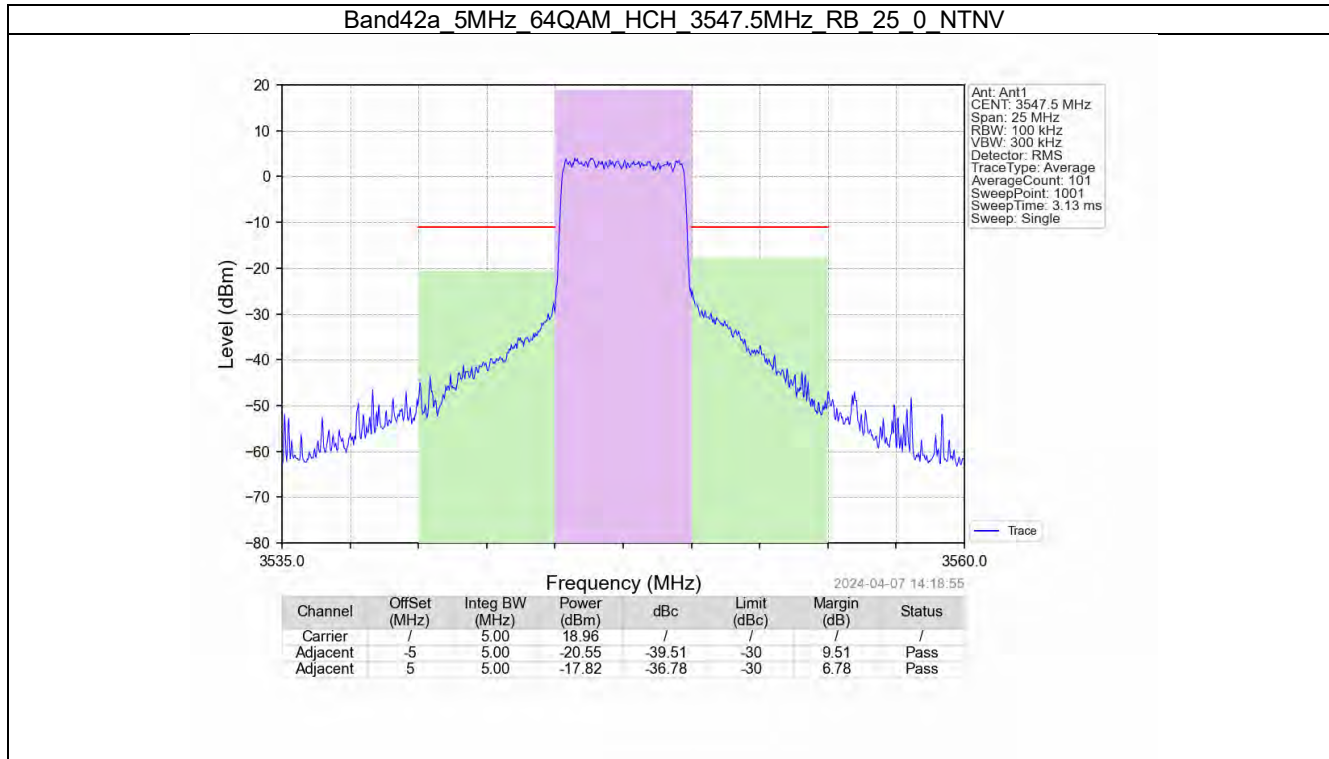
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6.2 B42a_10MHz

6.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	Refer To Test Graph		Pass
	3500	50	0	Refer To Test Graph		Pass
	3545	50	0	Refer To Test Graph		Pass
16QAM	3455	50	0	Refer To Test Graph		Pass
	3500	50	0	Refer To Test Graph		Pass
	3545	50	0	Refer To Test Graph		Pass
64QAM	3455	50	0	Refer To Test Graph		Pass
	3500	50	0	Refer To Test Graph		Pass
	3545	50	0	Refer To Test Graph		Pass



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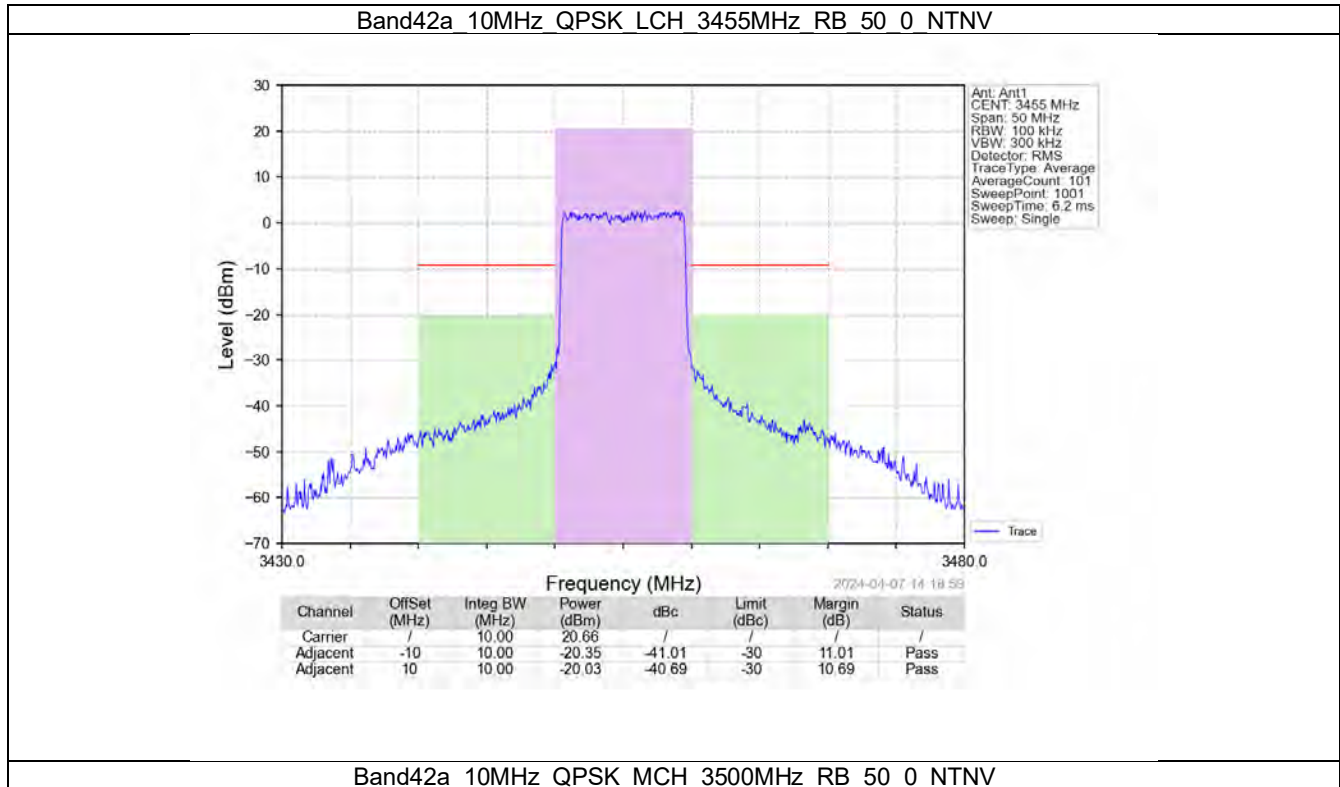
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6.2.2 Test Graph



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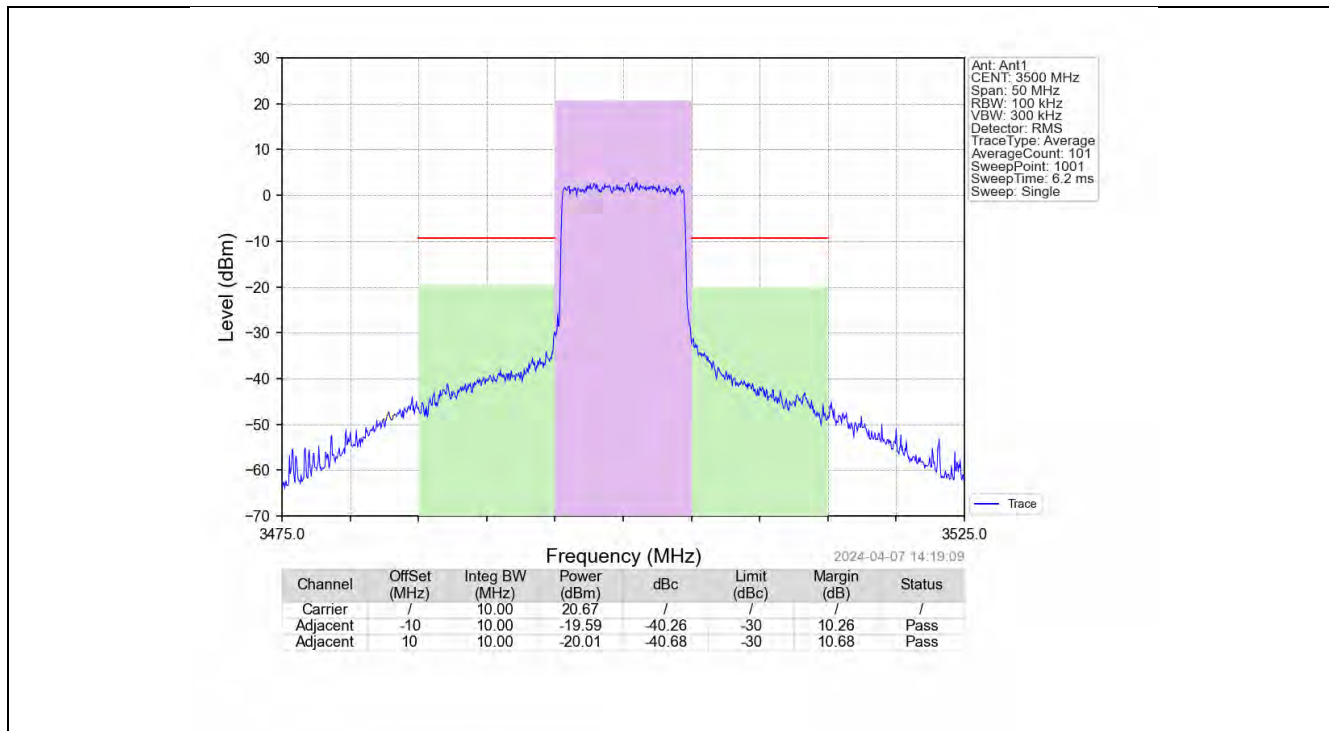
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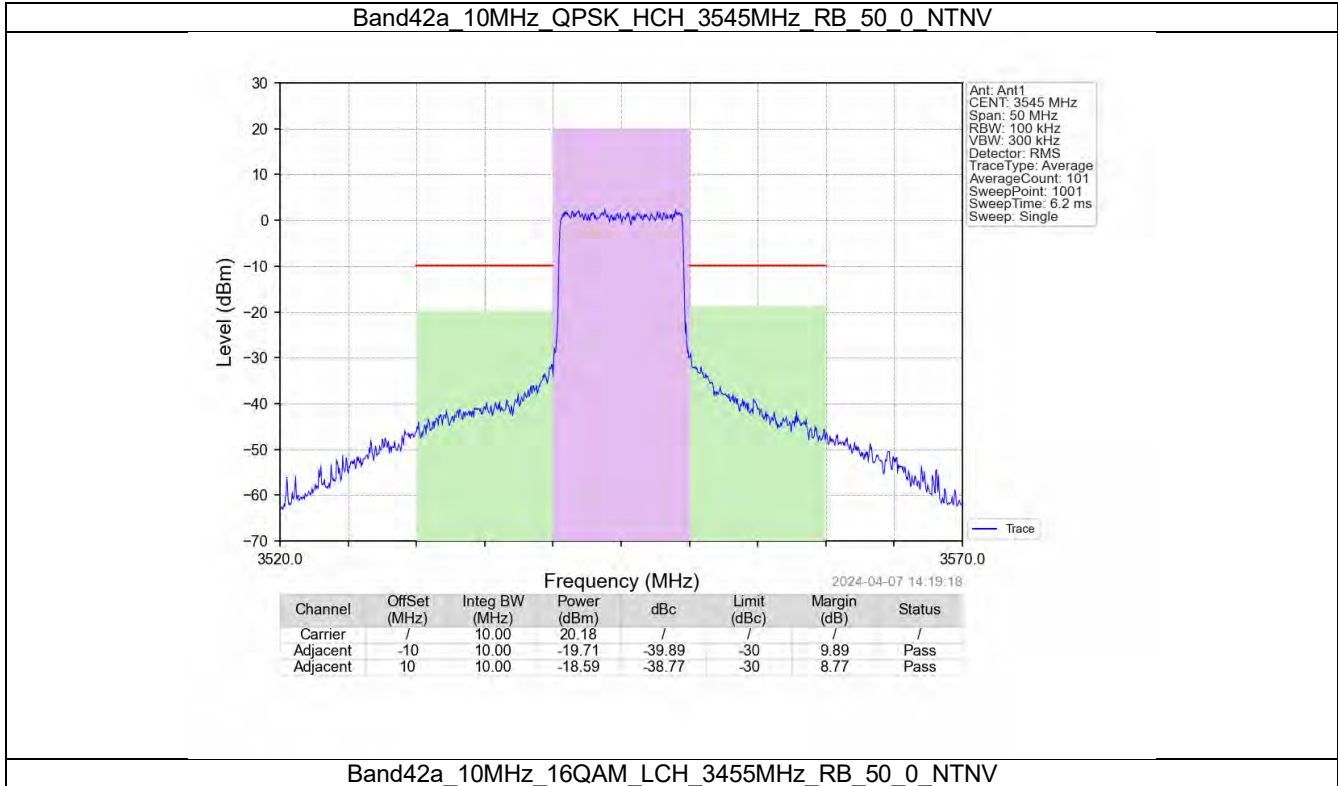


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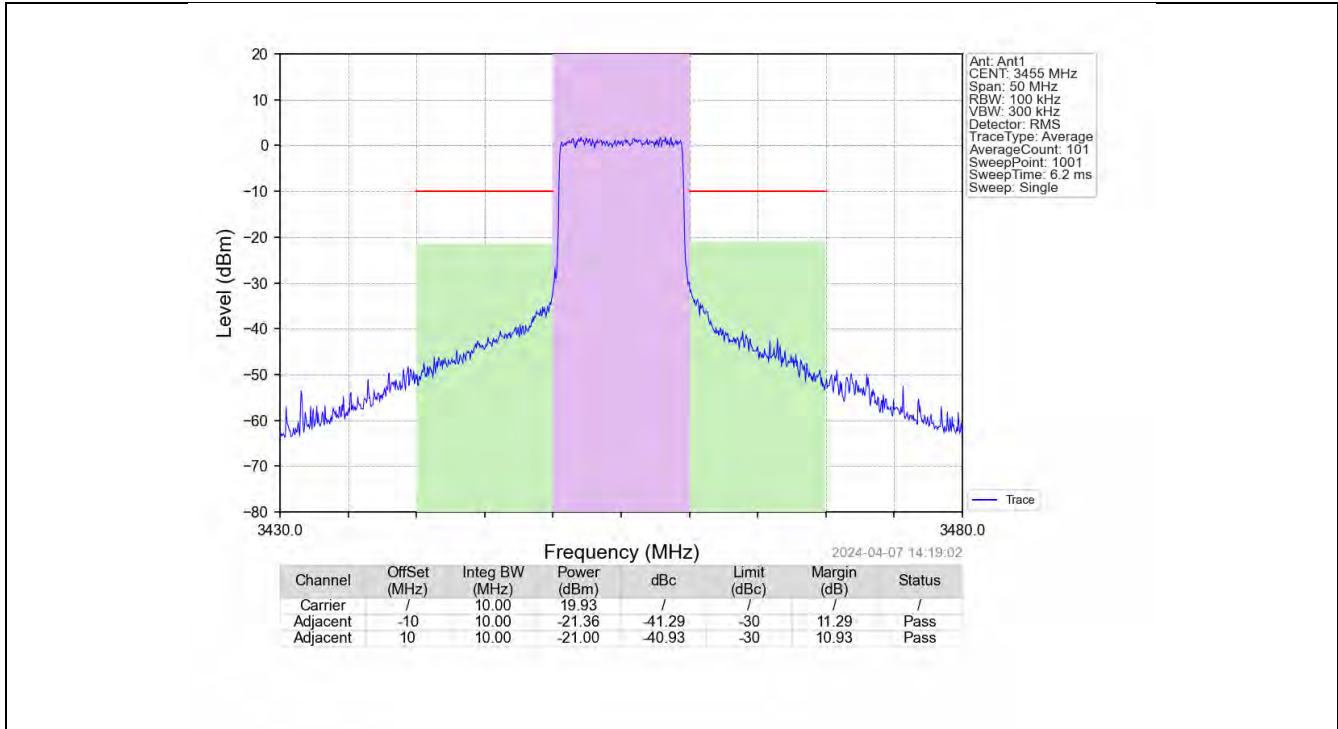


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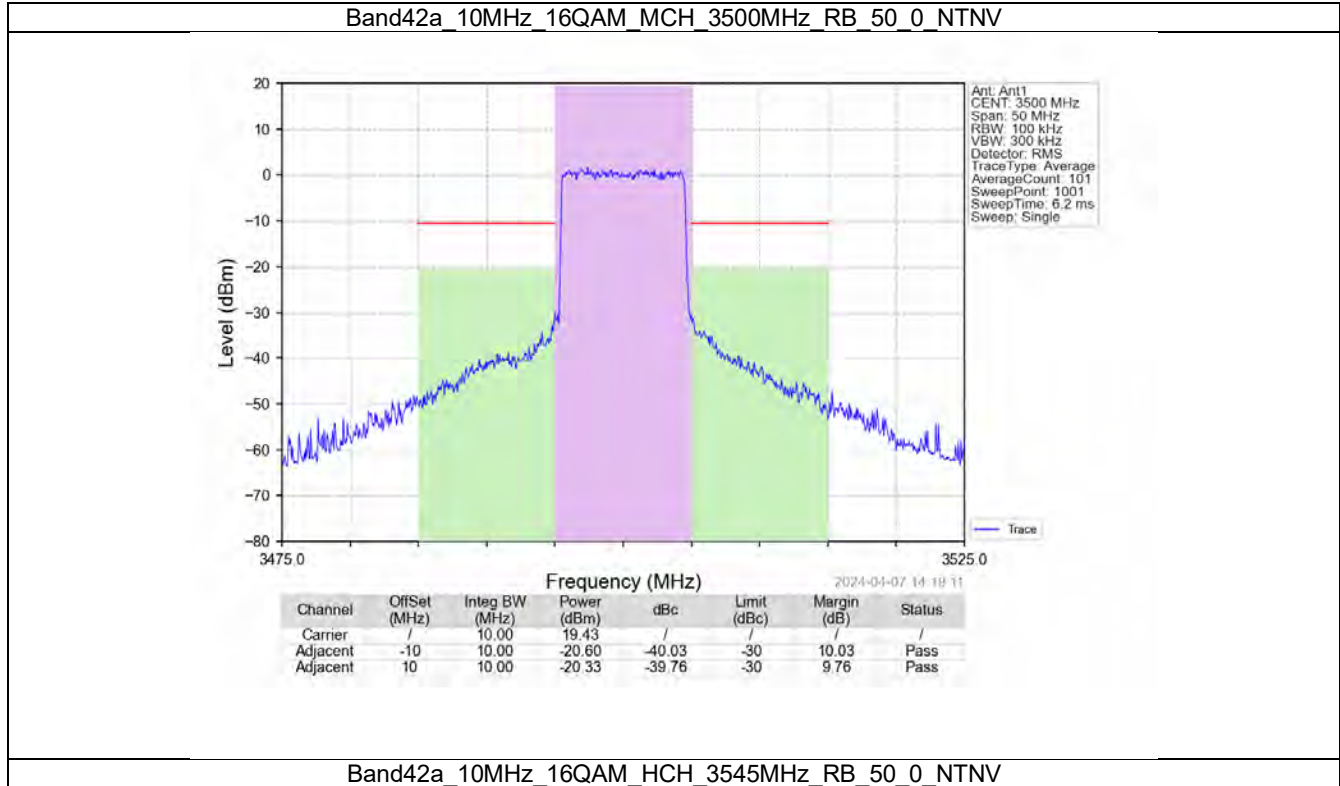


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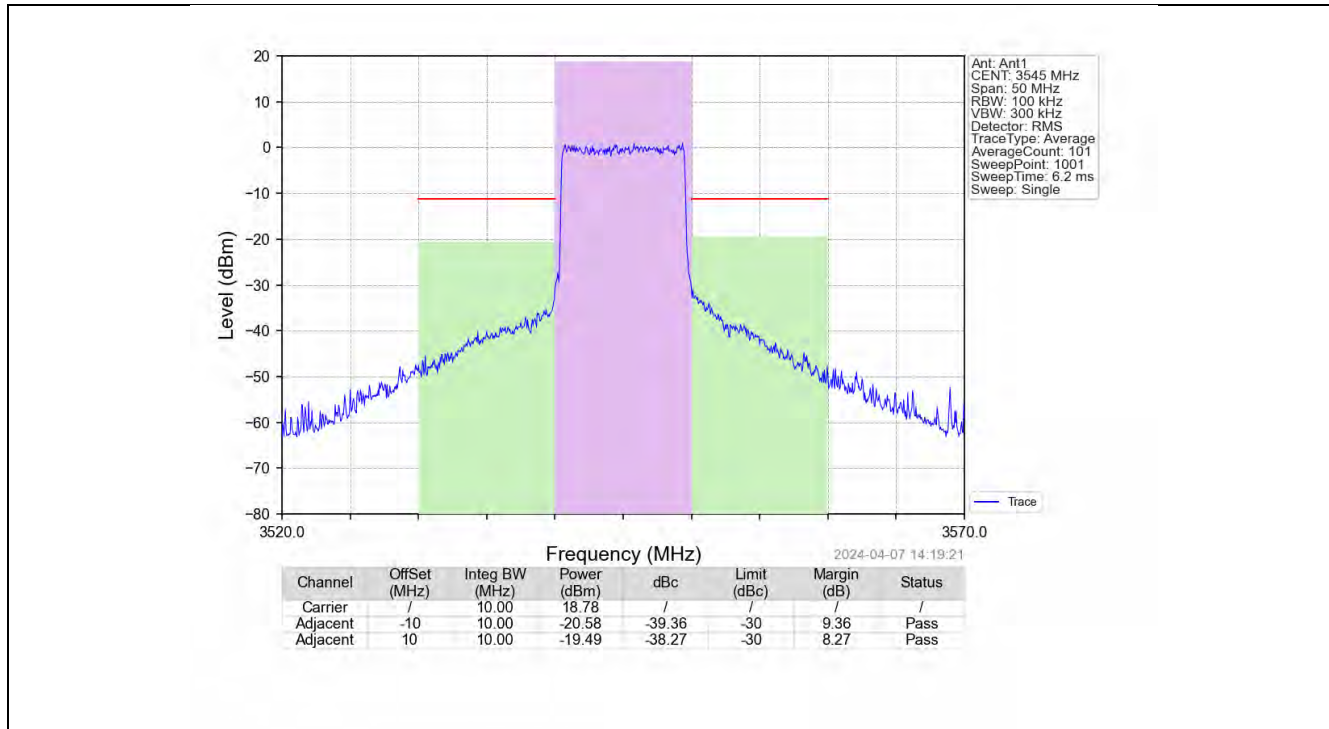
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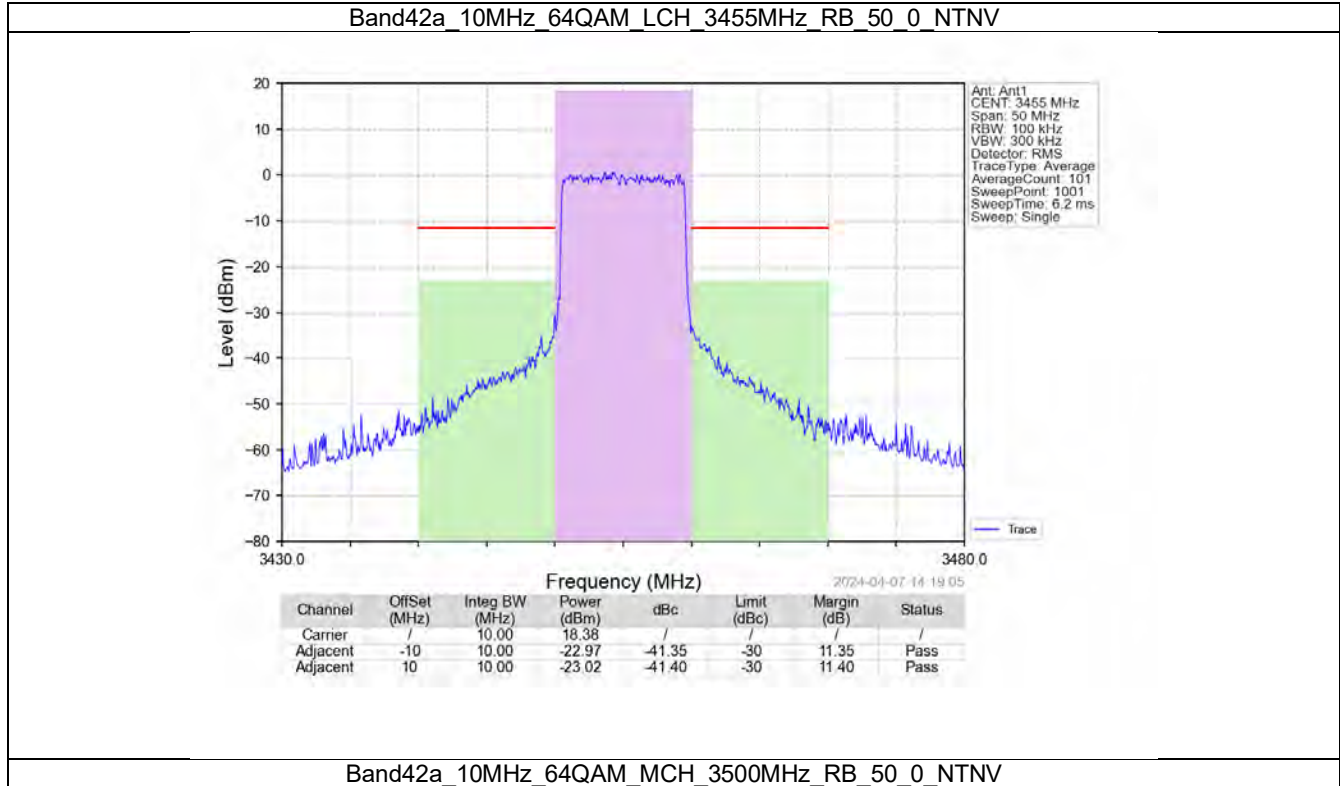


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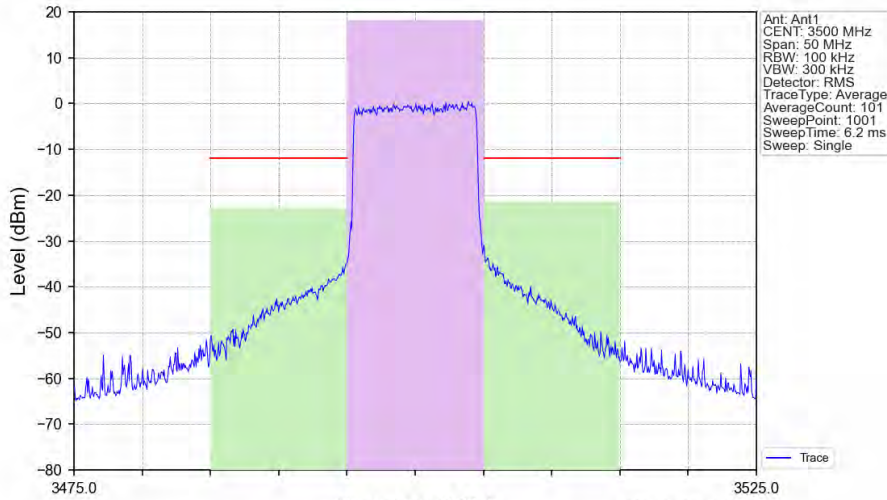


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Ant: Ant1
 CENT: 3500 MHz
 Span: 50 MHz
 RBW: 100 kHz
 VBW: 300 kHz
 Detector: RMS
 Trace Type: Average
 AverageCount: 101
 SweepPoint: 1001
 SweepTime: 6.2 ms
 Sweep: Single

Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	18.15	/	/	/	/
Adjacent	-10	10.00	-22.76	-40.91	-30	10.91	Pass
Adjacent	10	10.00	-21.51	-39.66	-30	9.66	Pass



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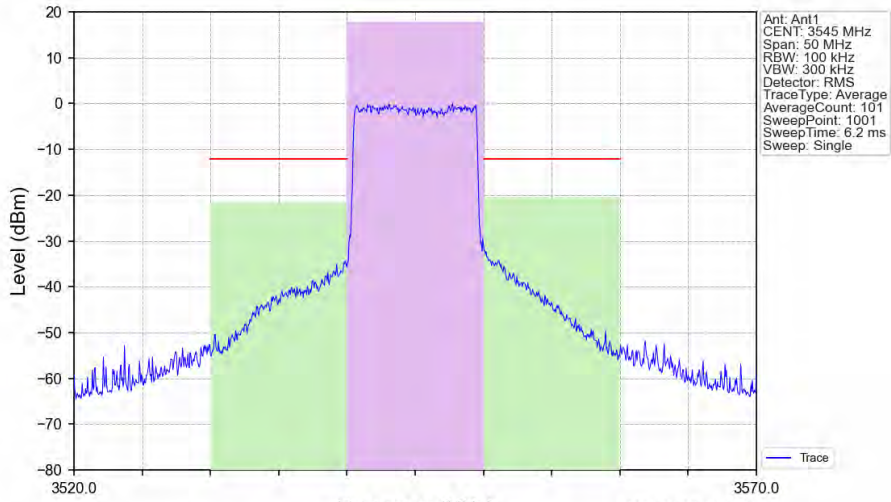
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Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



Ant: Ant1
 CENT: 3545 MHz
 Span: 50 MHz
 RBW: 100 kHz
 VBW: 300 kHz
 Detector: RMS
 Trace Type: Average
 AverageCount: 101
 SweepPoint: 1001
 SweepTime: 6.2 ms
 Sweep: Single

Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.94	/	/	/	/
Adjacent	-10	10.00	-21.64	-39.58	-30	9.58	Pass
Adjacent	10	10.00	-20.37	-38.31	-30	8.31	Pass



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6.3 B42a_15MHz

6.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	75	0	Refer To Test Graph		Pass
	3500	75	0	Refer To Test Graph		Pass
	3542.5	75	0	Refer To Test Graph		Pass
16QAM	3457.5	75	0	Refer To Test Graph		Pass
	3500	75	0	Refer To Test Graph		Pass
	3542.5	75	0	Refer To Test Graph		Pass
64QAM	3457.5	75	0	Refer To Test Graph		Pass
	3500	75	0	Refer To Test Graph		Pass
	3542.5	75	0	Refer To Test Graph		Pass



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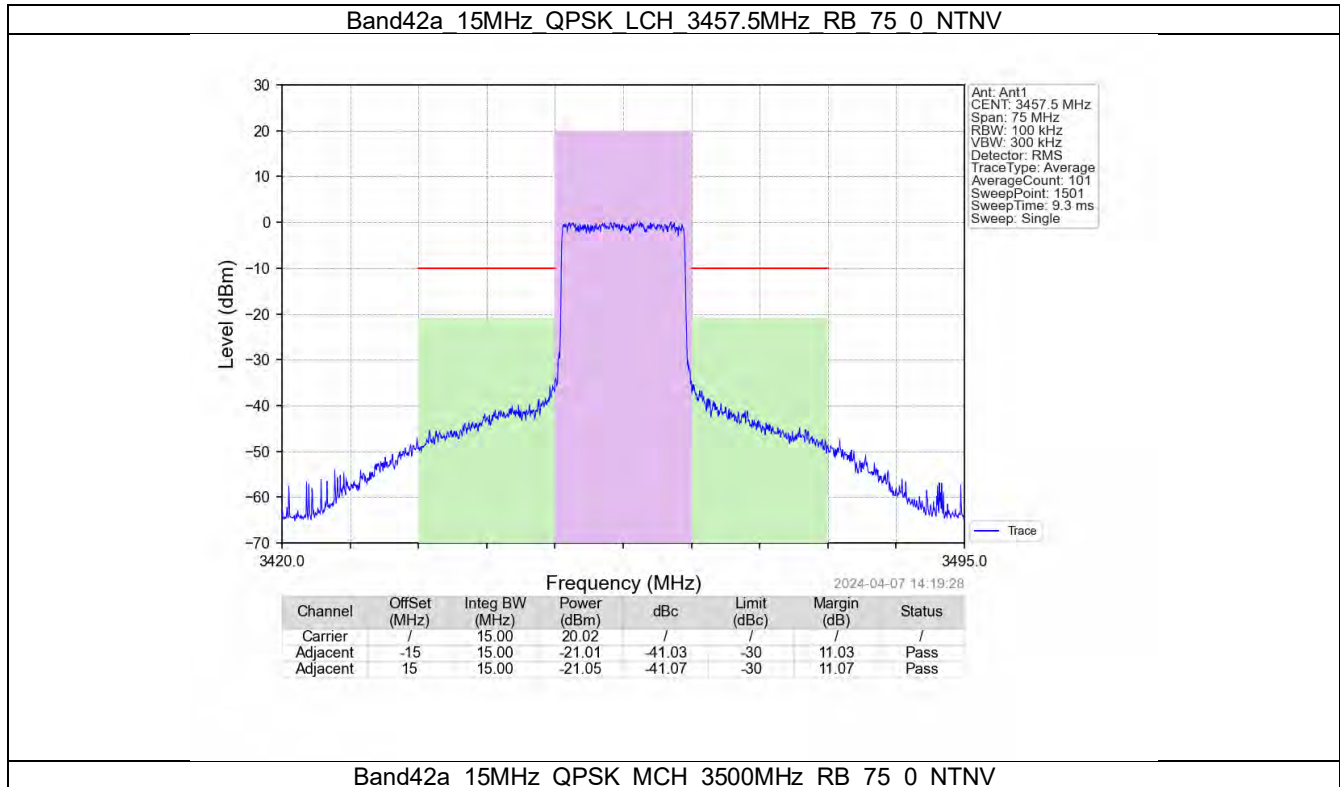
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6.3.2 Test Graph



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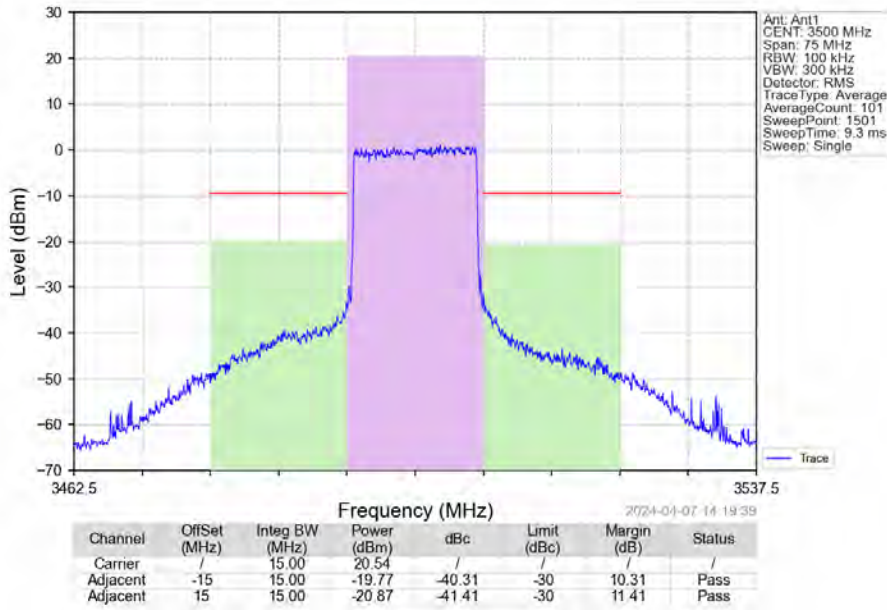


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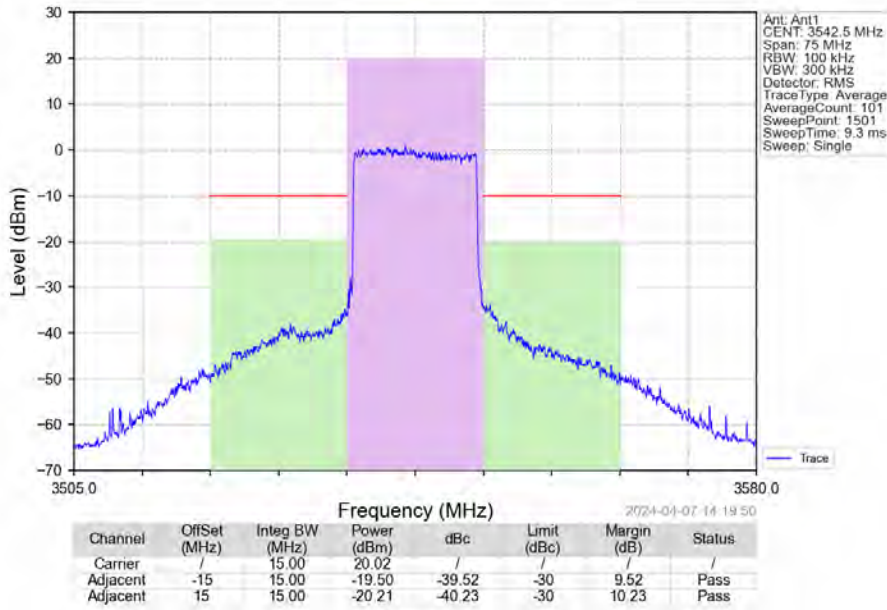
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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



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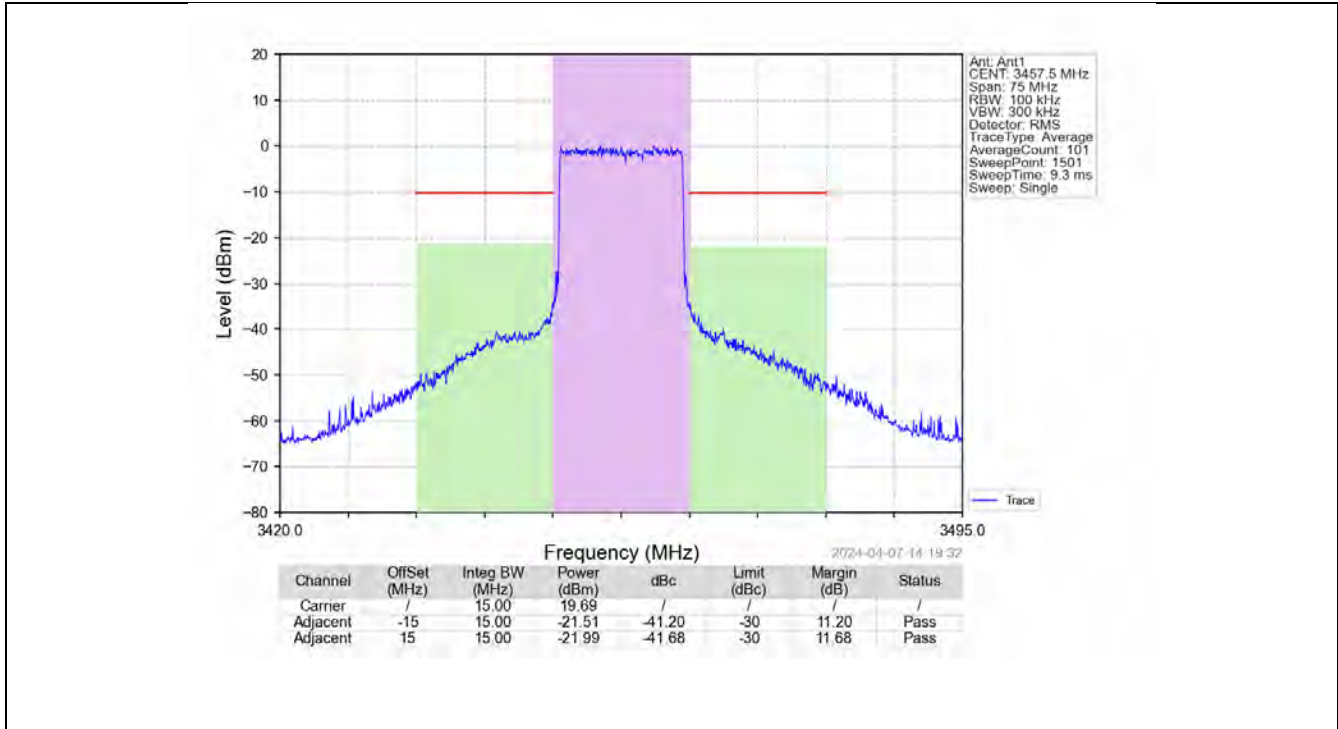


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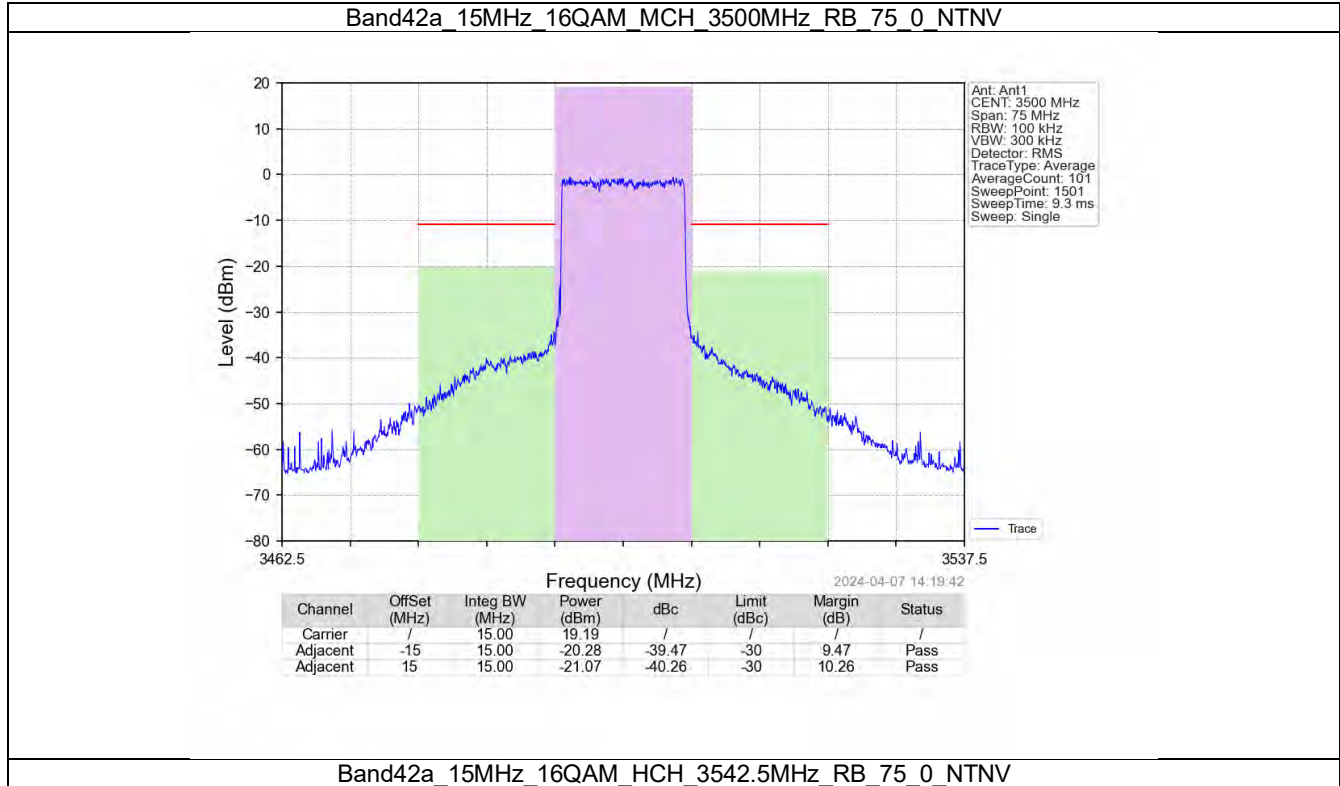


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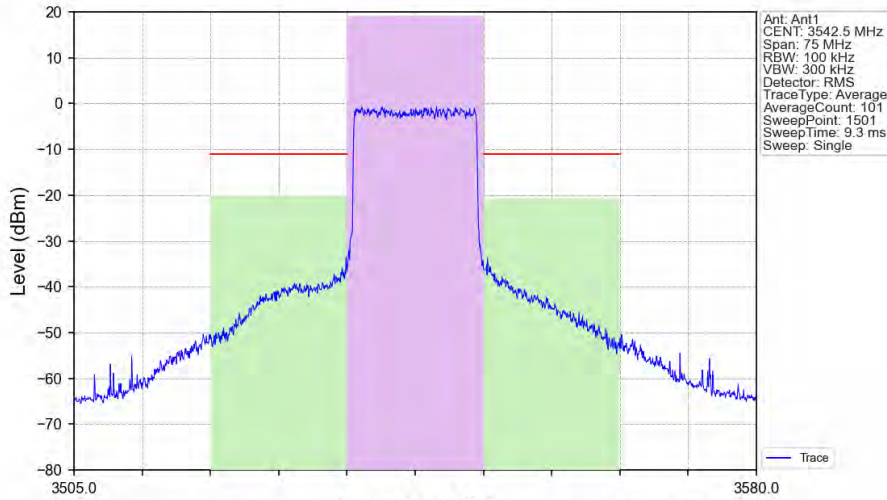


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	19.04	/	/	/	/
Adjacent	-15	15.00	-20.10	-39.14	-30	9.14	Pass
Adjacent	15	15.00	-20.82	-39.86	-30	9.86	Pass



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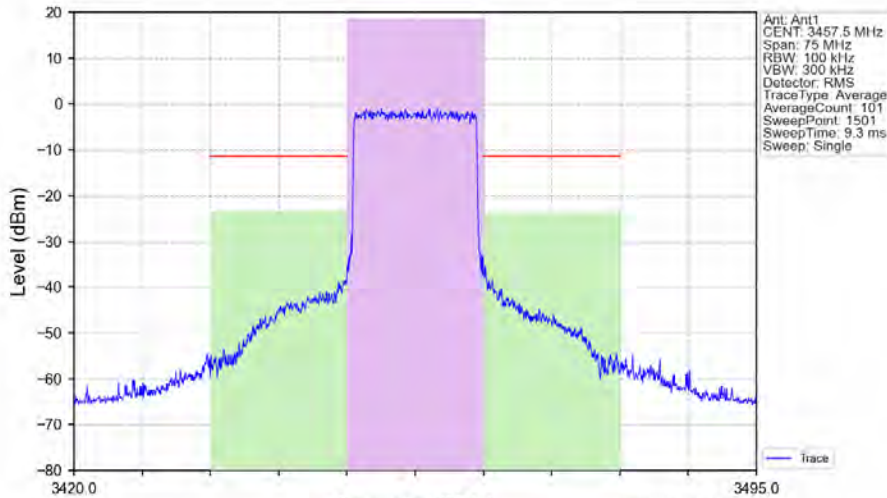
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Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	18.57	/	/	/	/
Adjacent	-15	15.00	-23.42	-41.99	-30	11.99	Pass
Adjacent	15	15.00	-23.80	-42.37	-30	12.37	Pass

Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



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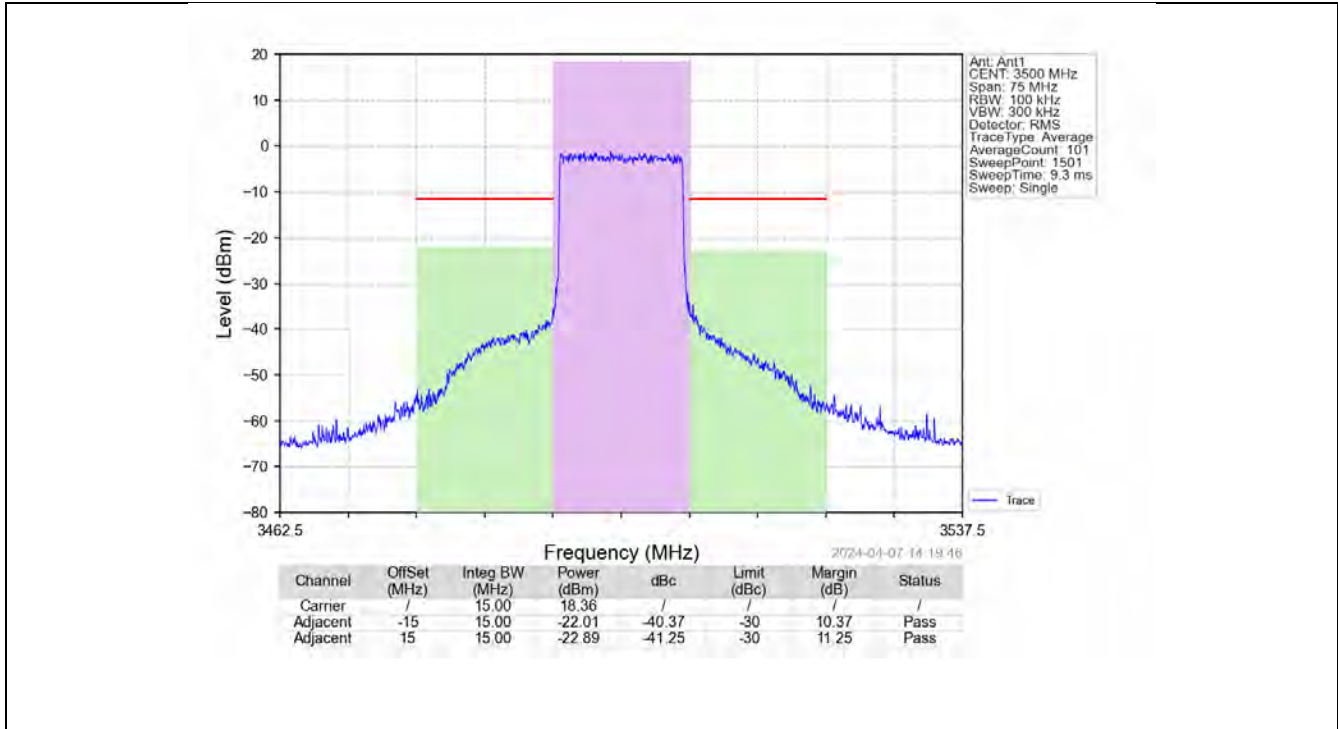


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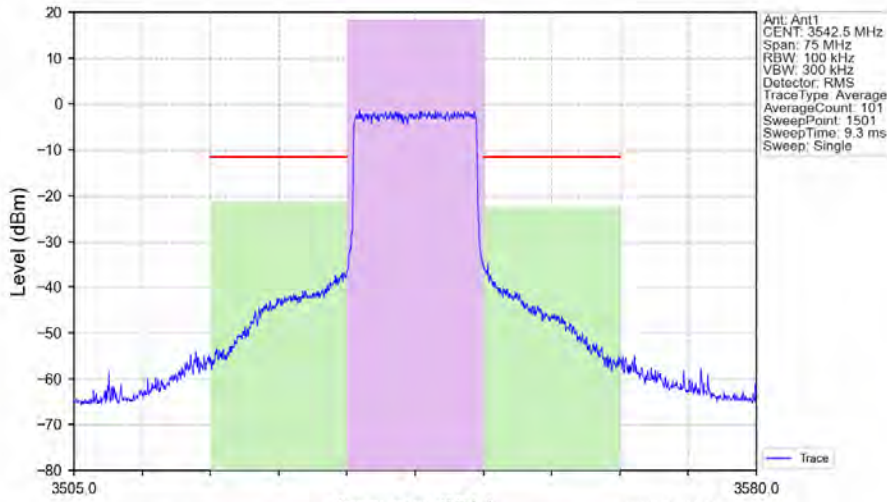
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Band42a 15MHz 64QAM HCH 3542.5MHz RB 75_0 NTN



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	18.35	/	/	/	/
Adjacent	-15	15.00	-21.45	-39.80	-30	9.80	Pass
Adjacent	15	15.00	-22.45	-40.80	-30	10.80	Pass



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6.4 B42a_20MHz

6.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	Refer To Test Graph		Pass
	3500	100	0	Refer To Test Graph		Pass
	3540	100	0	Refer To Test Graph		Pass
16QAM	3460	100	0	Refer To Test Graph		Pass
	3500	100	0	Refer To Test Graph		Pass
	3540	100	0	Refer To Test Graph		Pass
64QAM	3460	100	0	Refer To Test Graph		Pass
	3500	100	0	Refer To Test Graph		Pass
	3540	100	0	Refer To Test Graph		Pass



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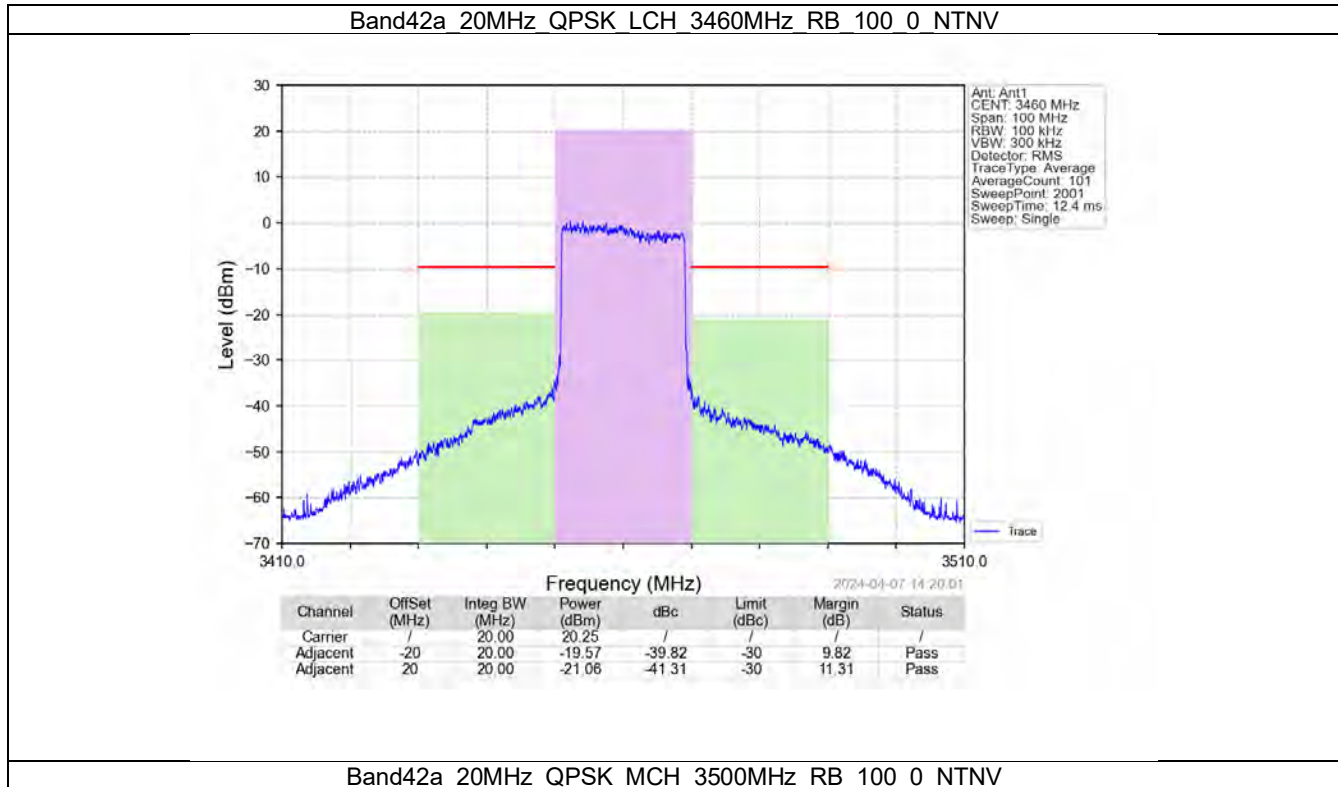
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6.4.2 Test Graph



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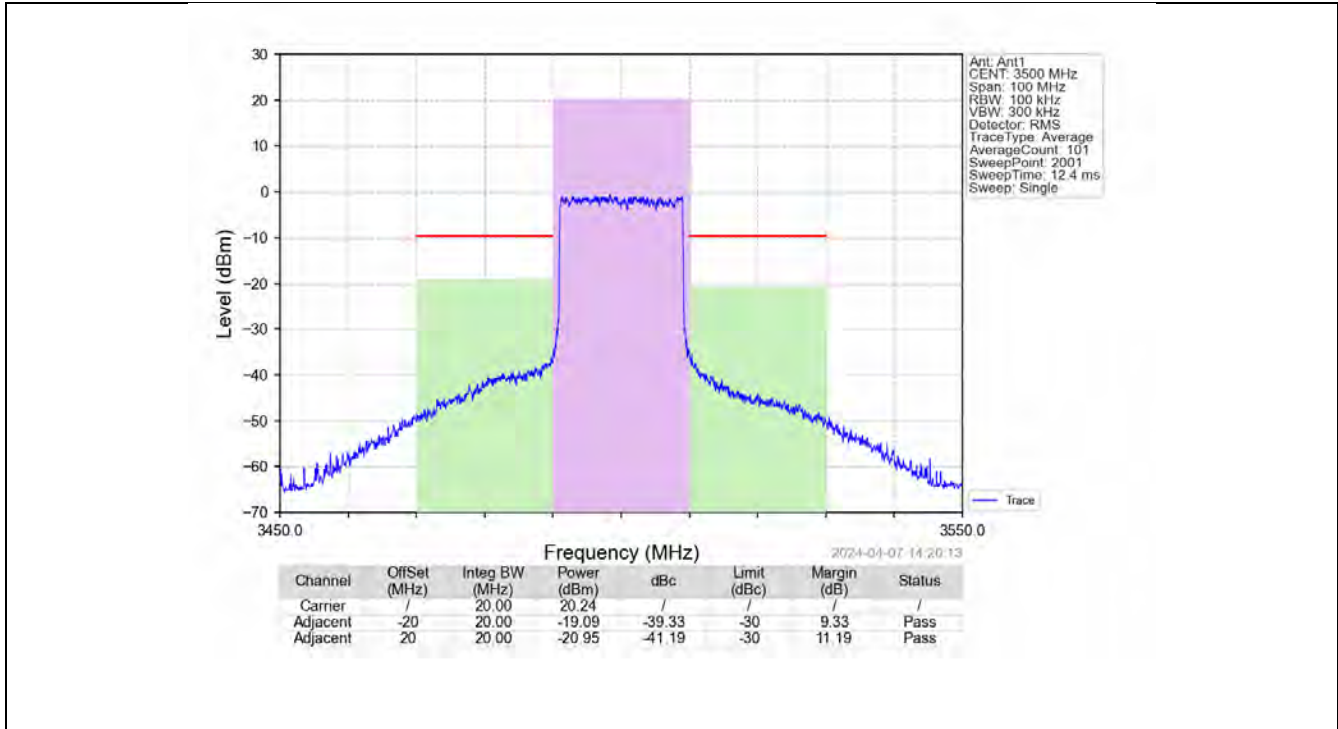


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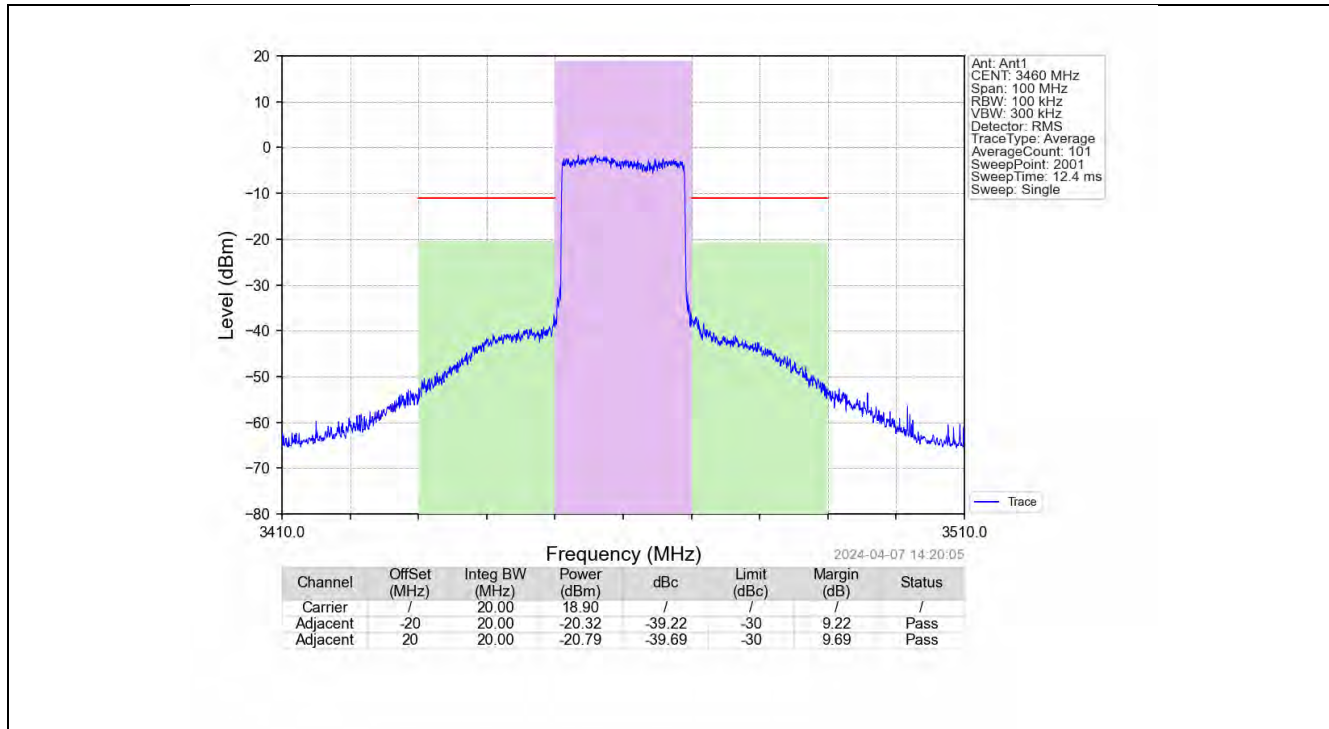
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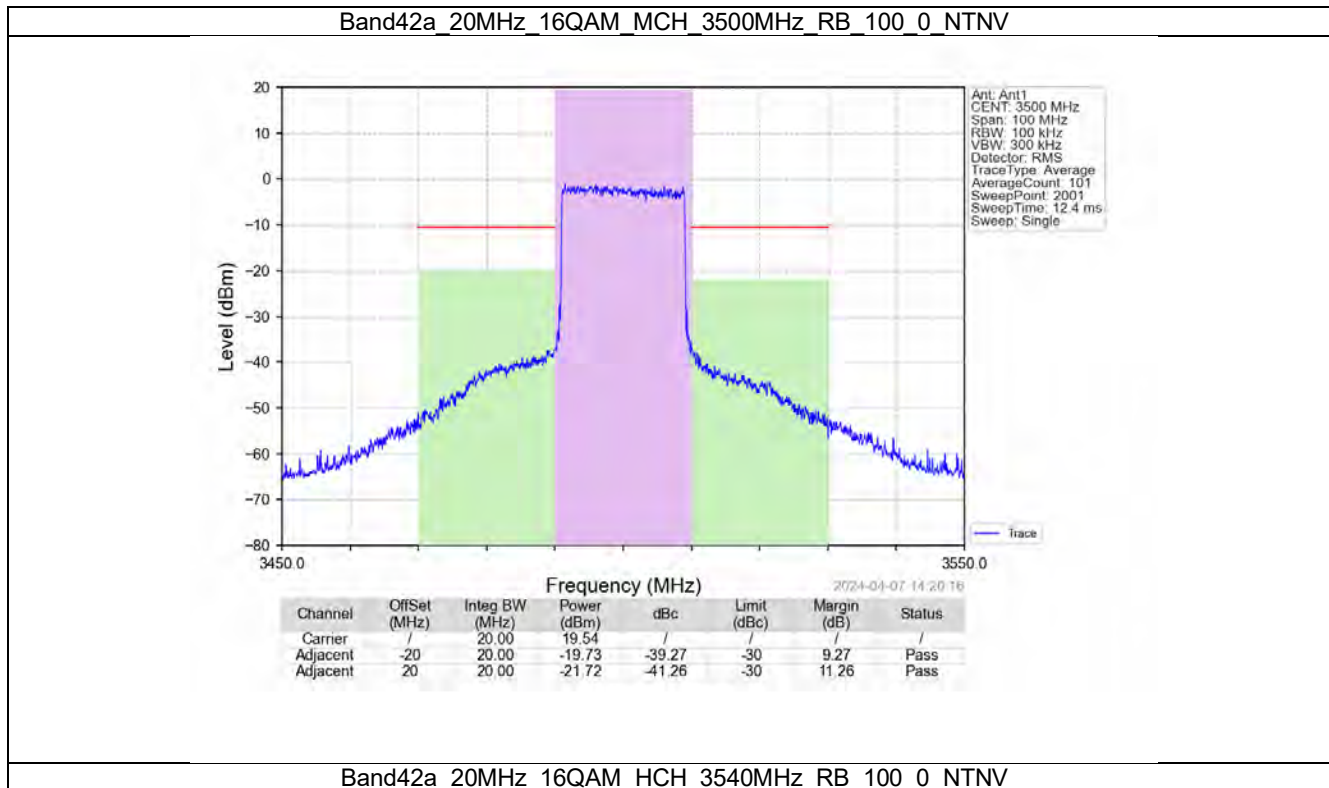
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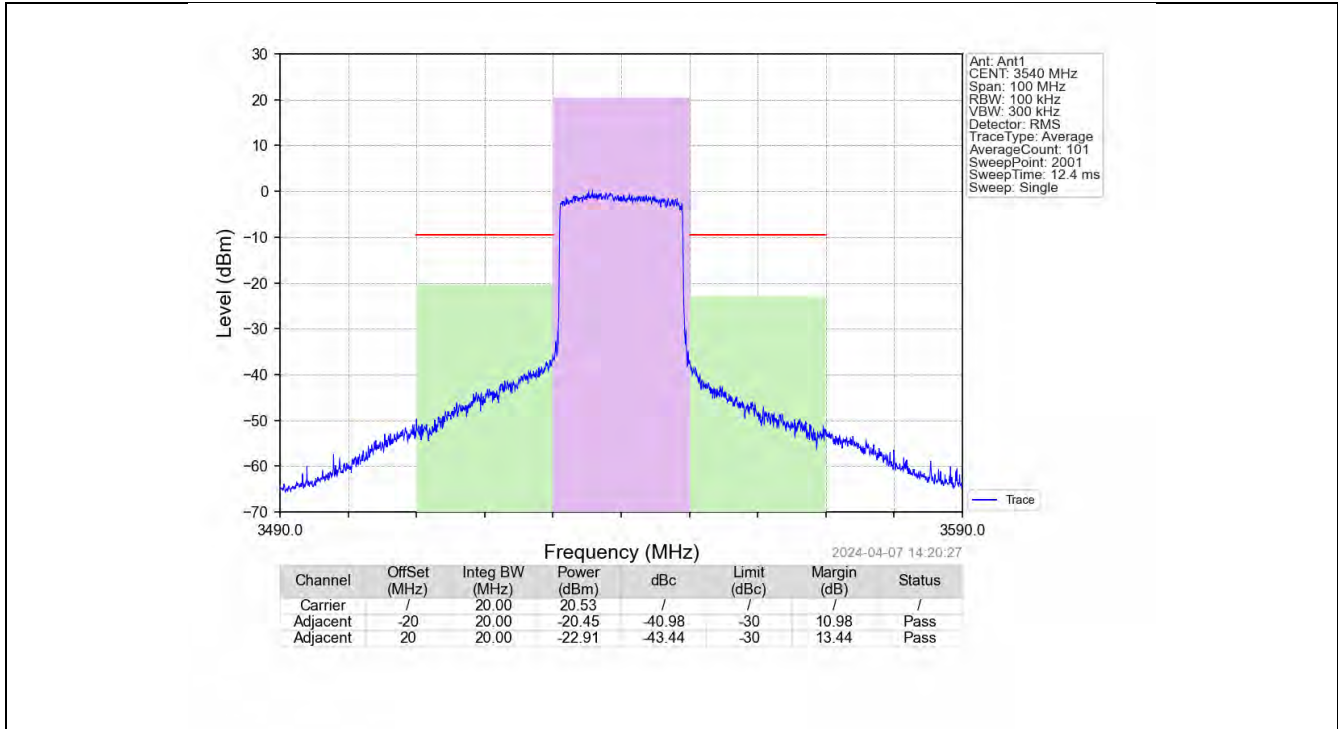


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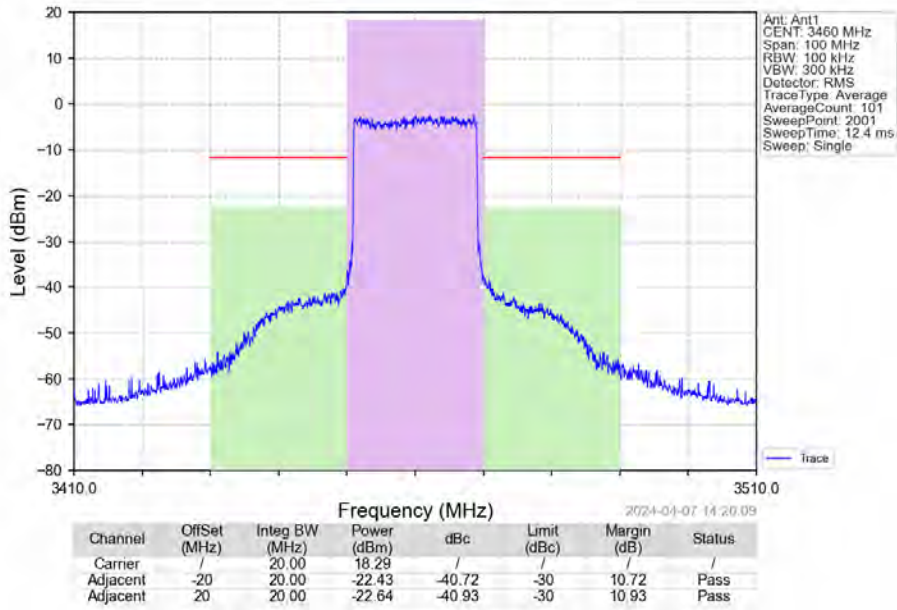
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Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTN



Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTN



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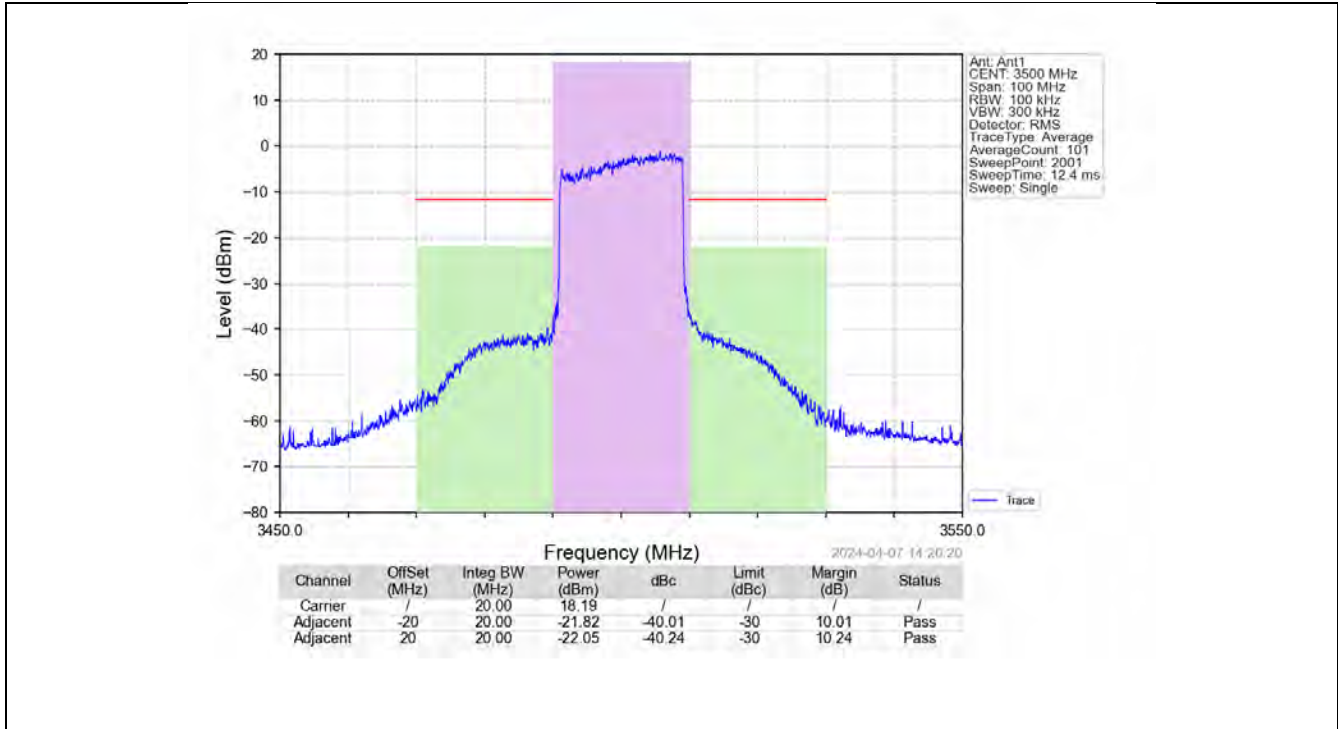


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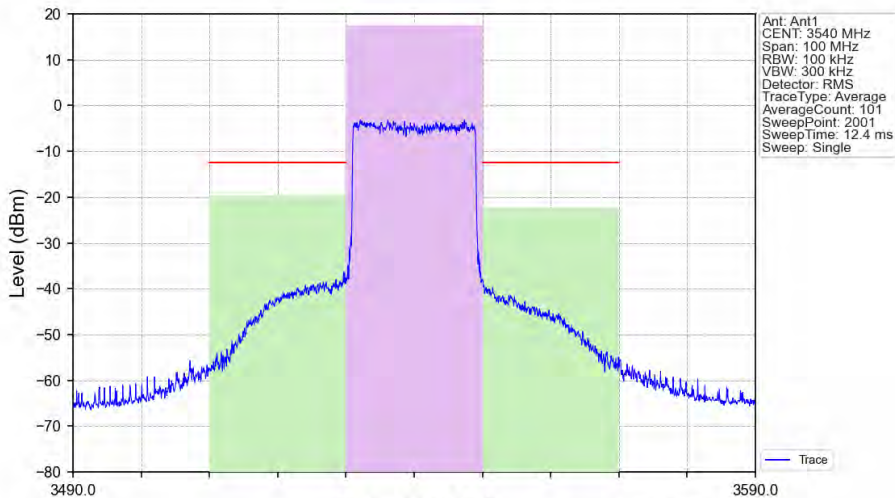
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Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	17.56	/	/	/	/
Adjacent	-20	20.00	-19.68	-37.24	-30	7.24	Pass
Adjacent	20	20.00	-22.37	-39.93	-30	9.93	Pass



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7. Field Strength of Spurious Radiation

LTE Band 42-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
6920	-51.27	-13	-38.27	-57.555	4.21	10.49	Horizontal	Pass
10380	-46.96	-13	-33.96	-54.91	5.08	13.03	Horizontal	Pass
13840	-43.94	-13	-30.94	-52.905	5.23	14.19	Horizontal	Pass
6920	-50.31	-13	-37.31	-56.595	4.21	10.49	Vertical	Pass
10380	-47.12	-13	-34.12	-55.07	5.08	13.03	Vertical	Pass
13840	-43.86	-13	-30.86	-52.825	5.23	14.19	Vertical	Pass

LTE Band 42-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
6982	-49.92	-13	-36.92	-56.205	4.21	10.49	Horizontal	Pass
10473	-47.27	-13	-34.27	-55.22	5.08	13.03	Horizontal	Pass
13964	-42.27	-13	-29.27	-51.235	5.23	14.19	Horizontal	Pass
6982	-50.82	-13	-37.82	-57.105	4.21	10.49	Vertical	Pass
10473	-47.19	-13	-34.19	-55.14	5.08	13.03	Vertical	Pass
13964	-43.27	-13	-30.27	-52.235	5.23	14.19	Vertical	Pass

LTE Band 42-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7080	-50.35	-13	-37.35	-57.29	4.19	11.13	Horizontal	Pass
10620	-46.51	-13	-33.51	-54.555	5.08	13.12	Horizontal	Pass
14160	-45.83	-13	-32.83	-55.49	4.82	14.48	Horizontal	Pass
7080	-50.06	-13	-37.06	-57	4.19	11.13	Vertical	Pass
10620	-47.02	-13	-34.02	-55.065	5.08	13.12	Vertical	Pass
14160	-46.16	-13	-33.16	-55.82	4.82	14.48	Vertical	Pass

---End of Attachment---



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