

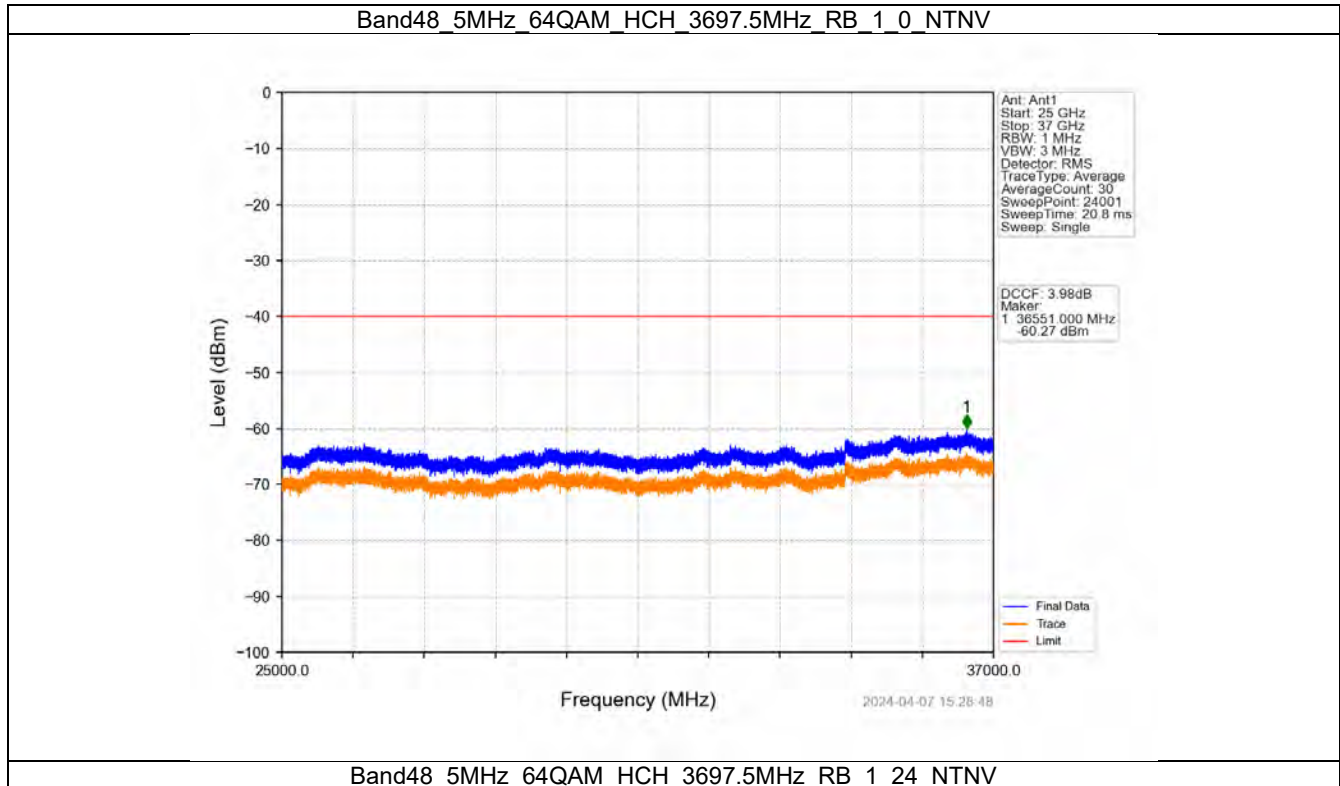


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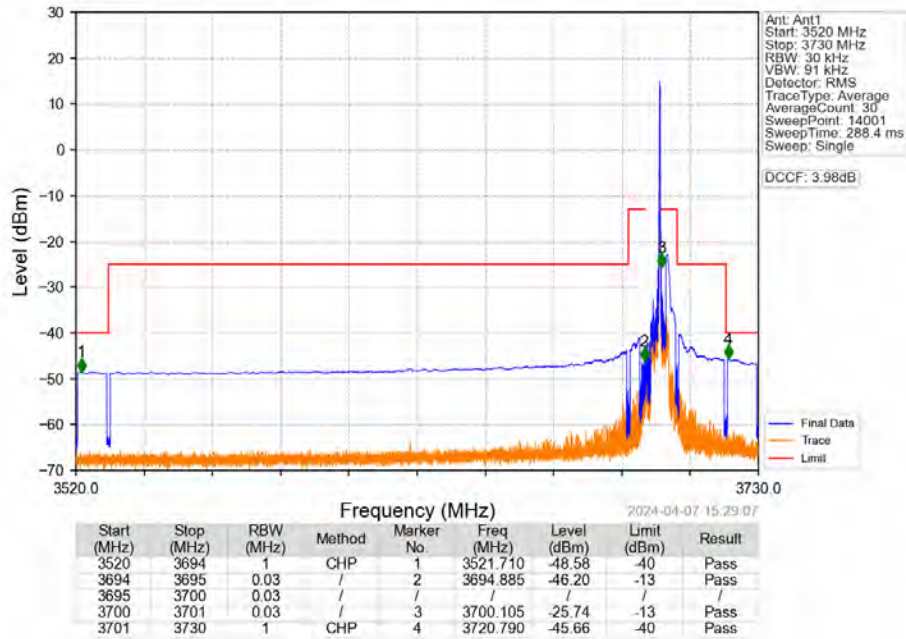


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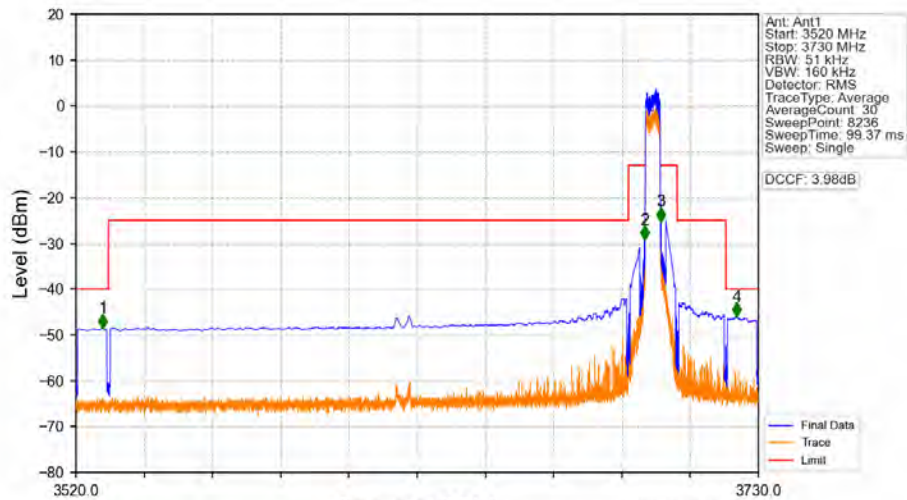
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Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694	1	CHP	1	3528.262	-48.52	-40	Pass
3694	3695	0.051	/	2	3694.936	-29.23	-13	Pass
3695	3700	0.051	/	/	/	/	/	/
3700	3701	0.051	/	3	3700.062	-25.27	-13	Pass
3701	3730	1	CHP	4	3723.421	-45.99	-40	Pass



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5.2 B48_10MHz

5.2.1 Test Result

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



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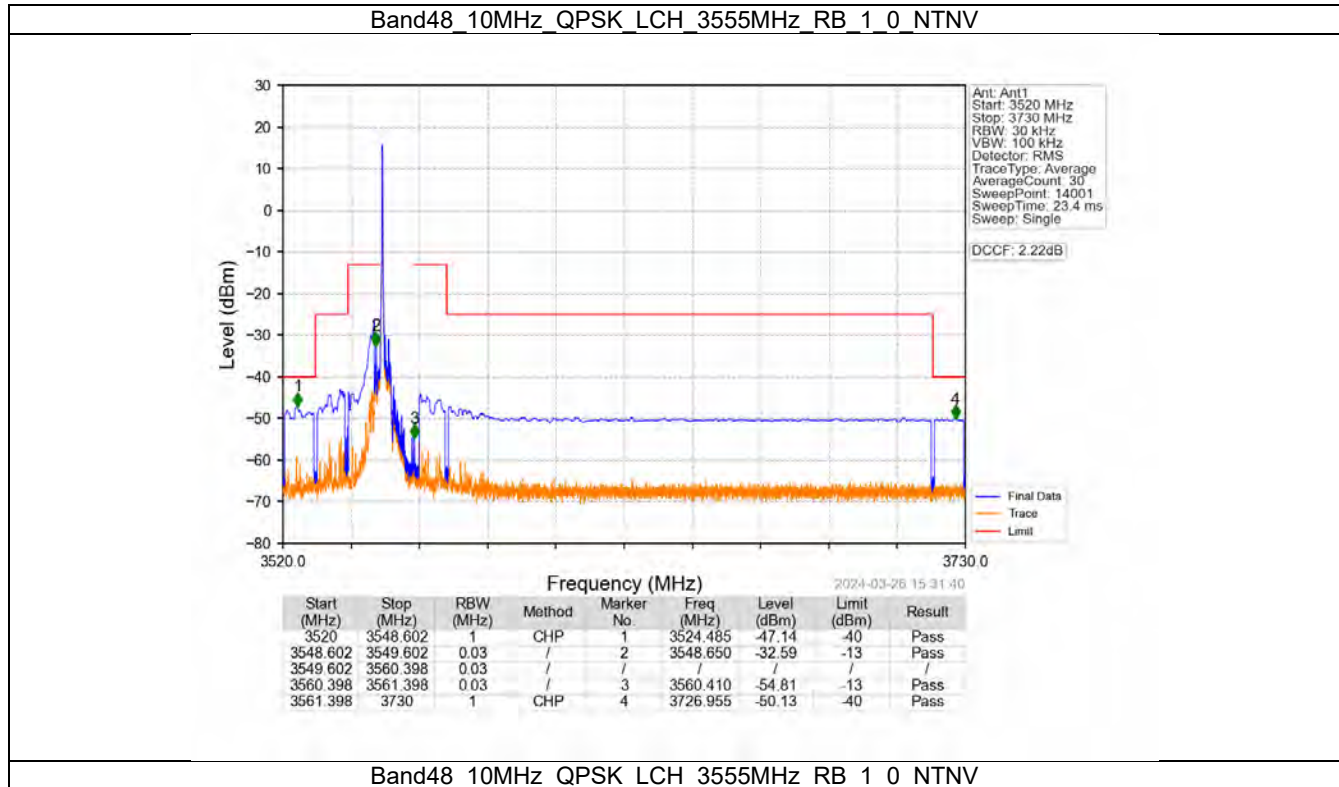
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5.2.2 Test Graph



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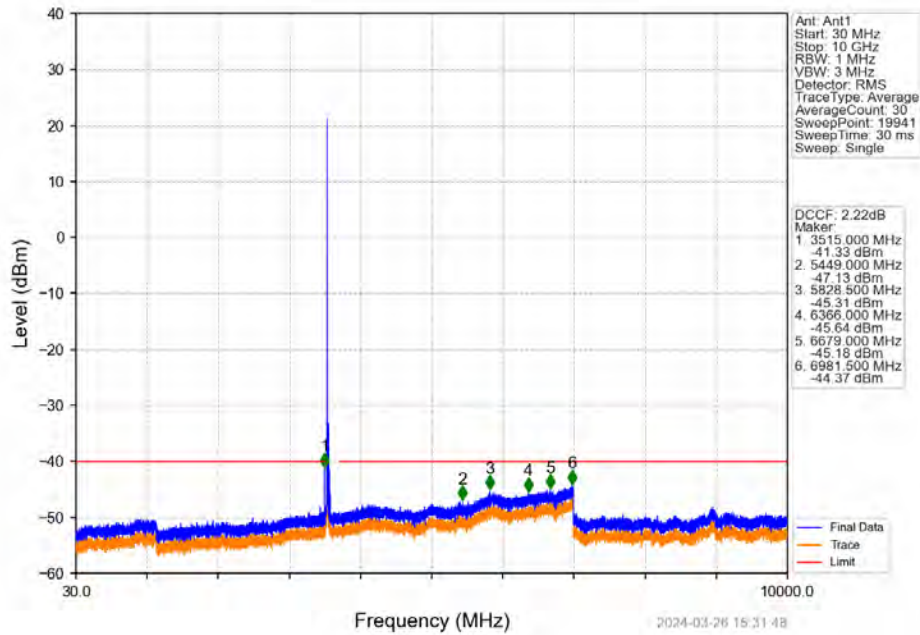


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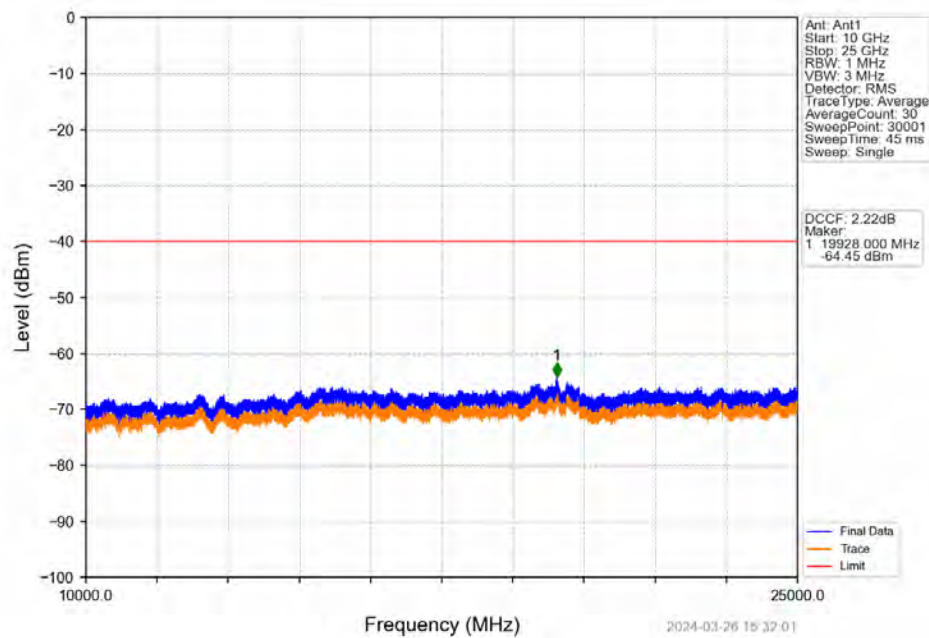
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Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



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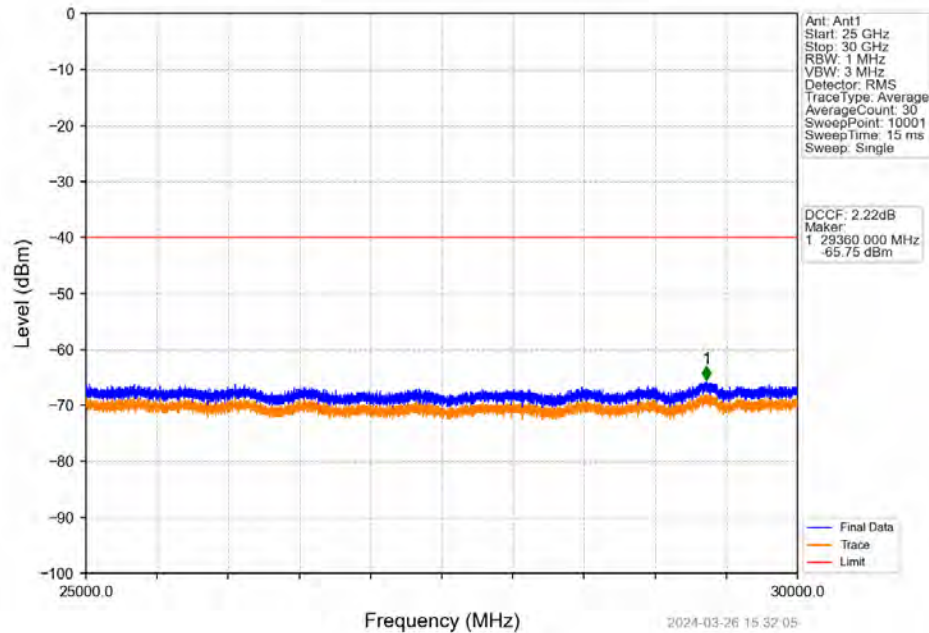


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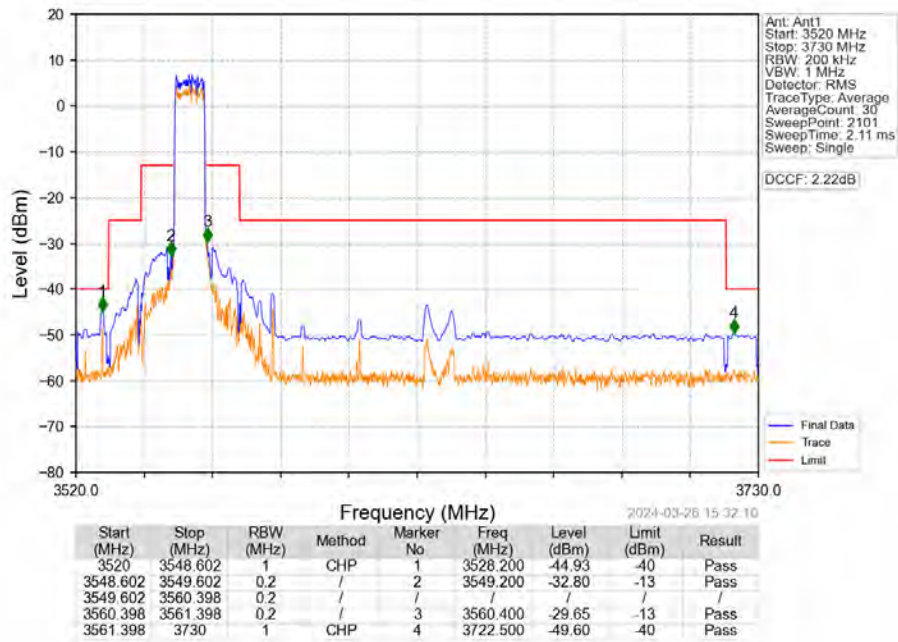
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Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



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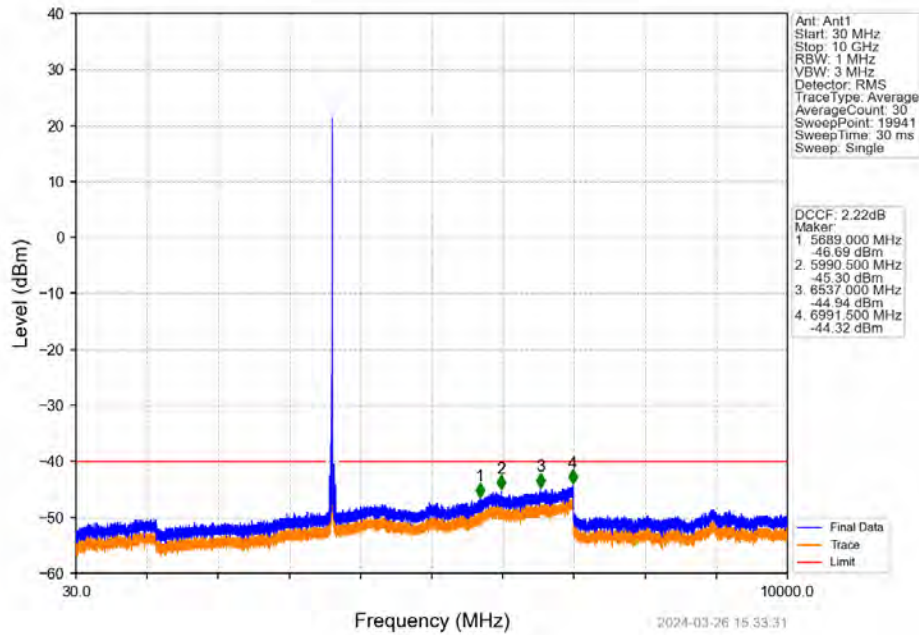


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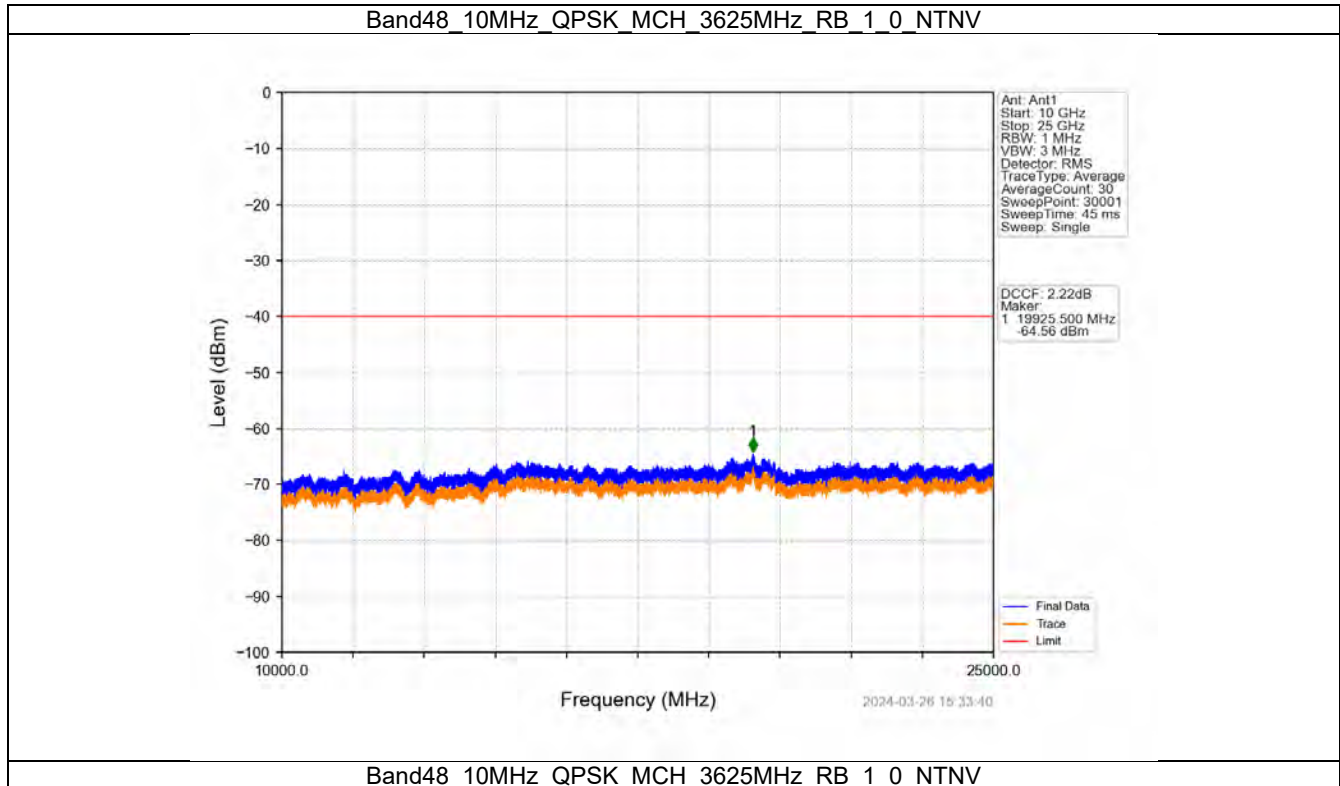


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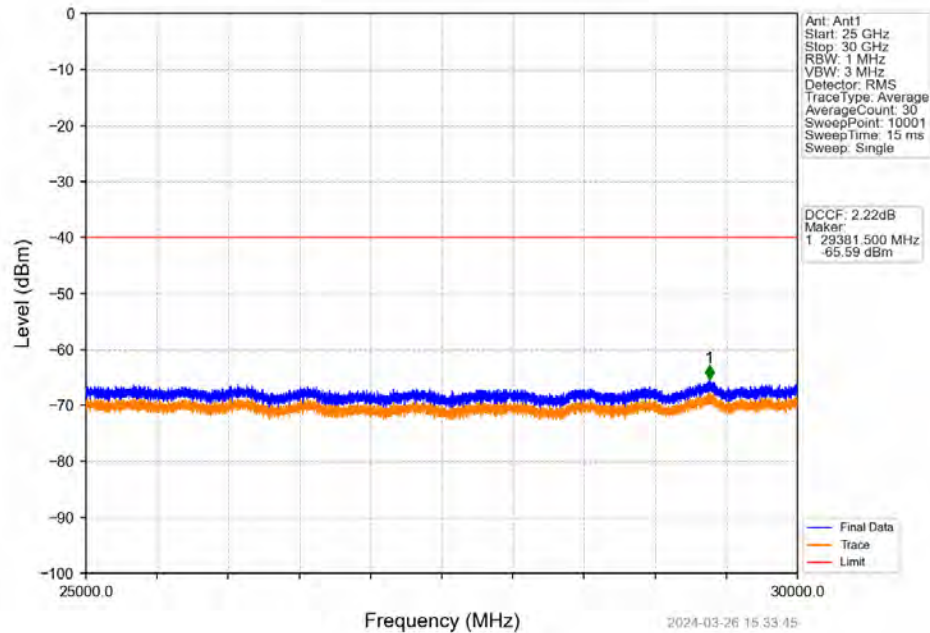


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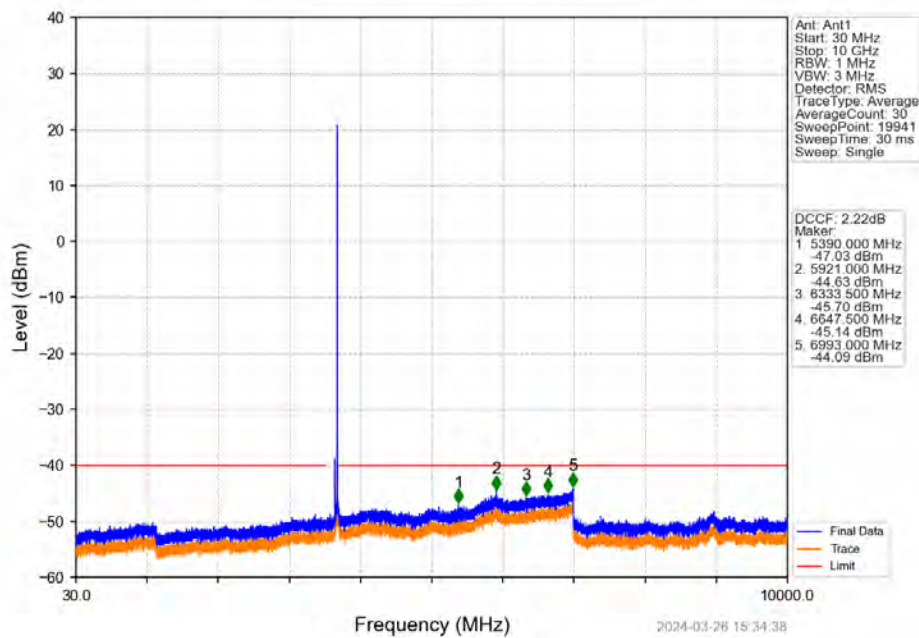
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Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTNV



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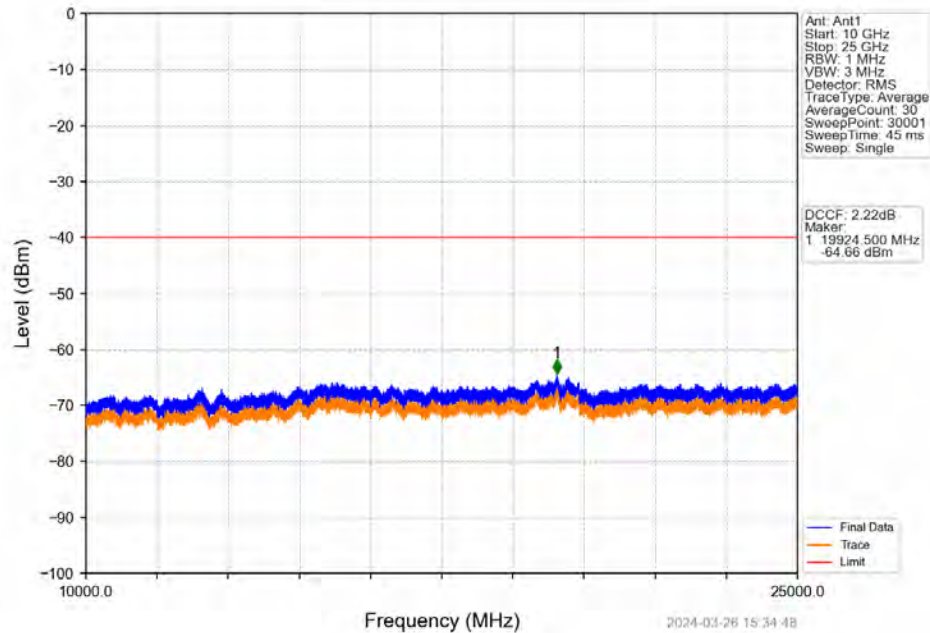


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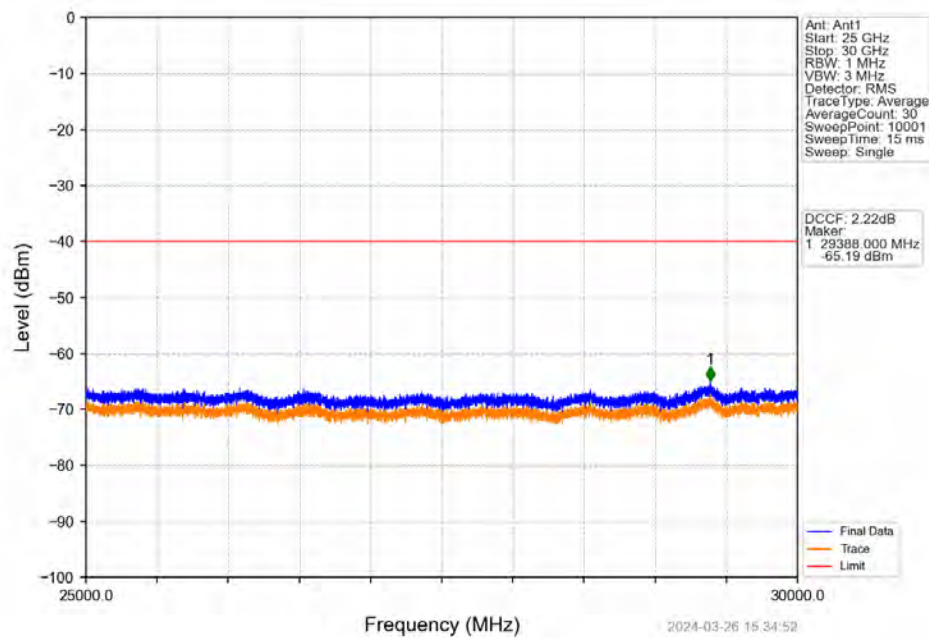
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Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV



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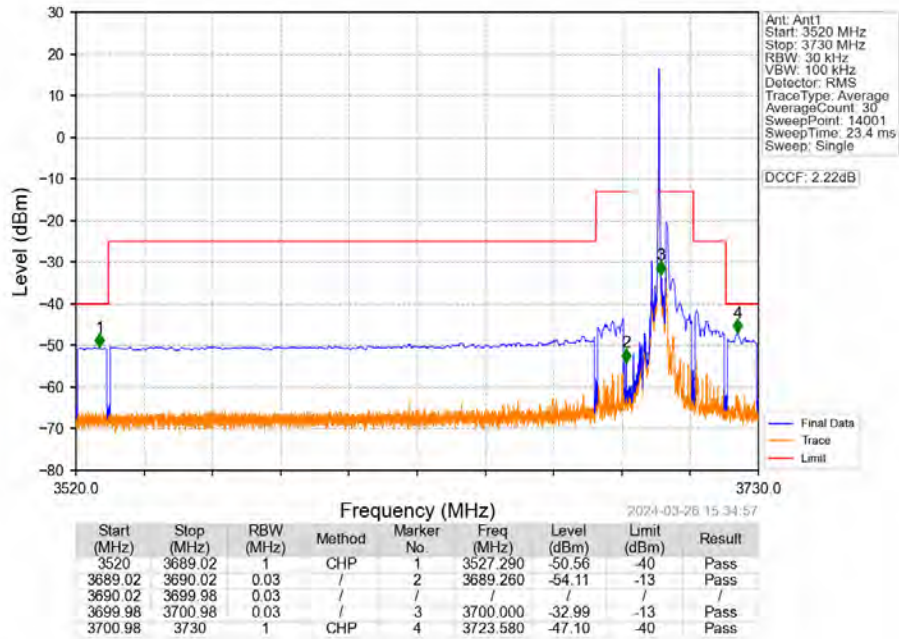


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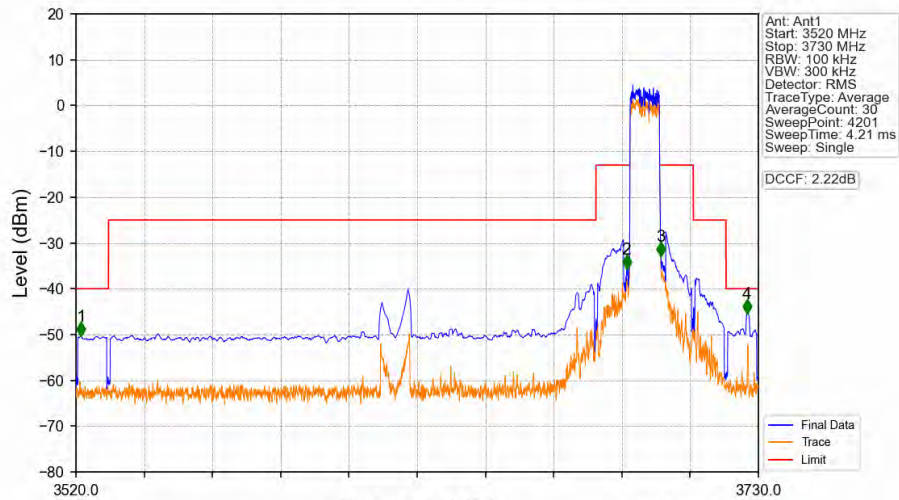
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Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.02	1	CHP	1	3521.600	-50.36	-40	Pass
3689.02	3690.02	0.1	/	2	3689.450	-35.78	-13	Pass
3690.02	3699.98	0.1	/	/	/	/	/	/
3699.98	3700.98	0.1	/	3	3700.000	-32.94	-13	Pass
3700.98	3730	1	CHP	4	3726.500	-45.51	-40	Pass

Band48_10MHz_16QAM_LCH_3555MHz_RB_1_0_NTNV



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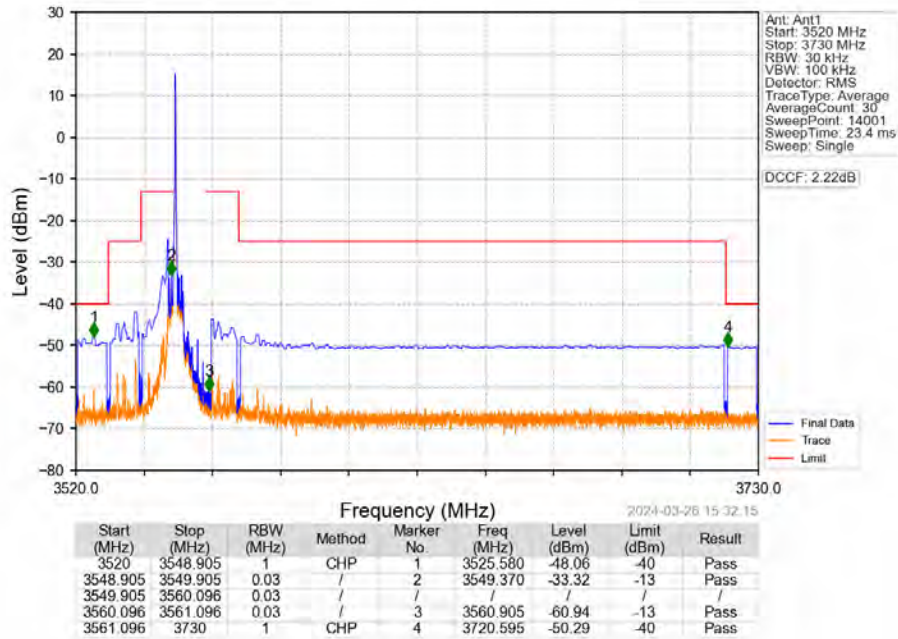


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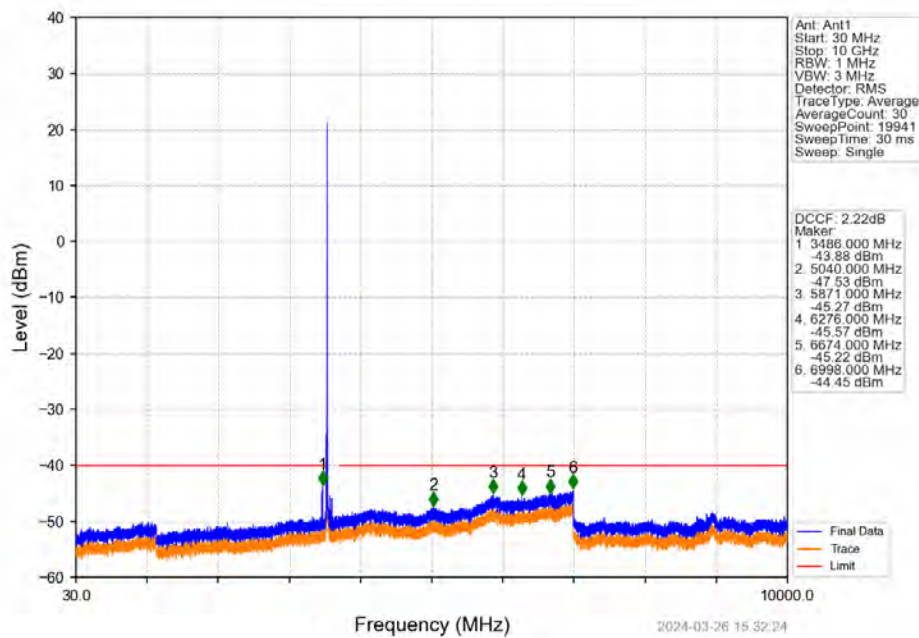
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Band48_10MHz_16QAM_LCH_3555MHz_RB_1_0_NTNV



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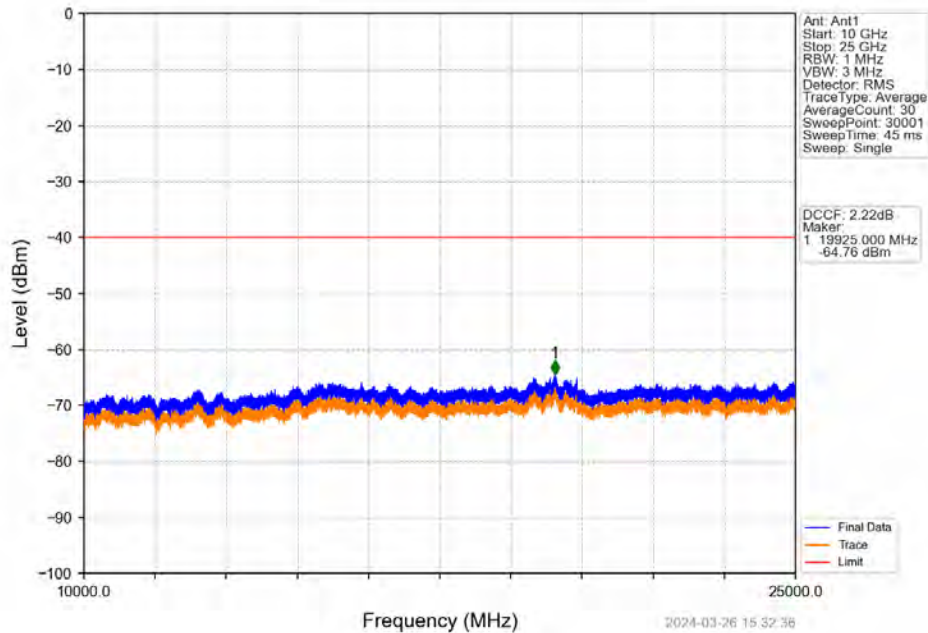


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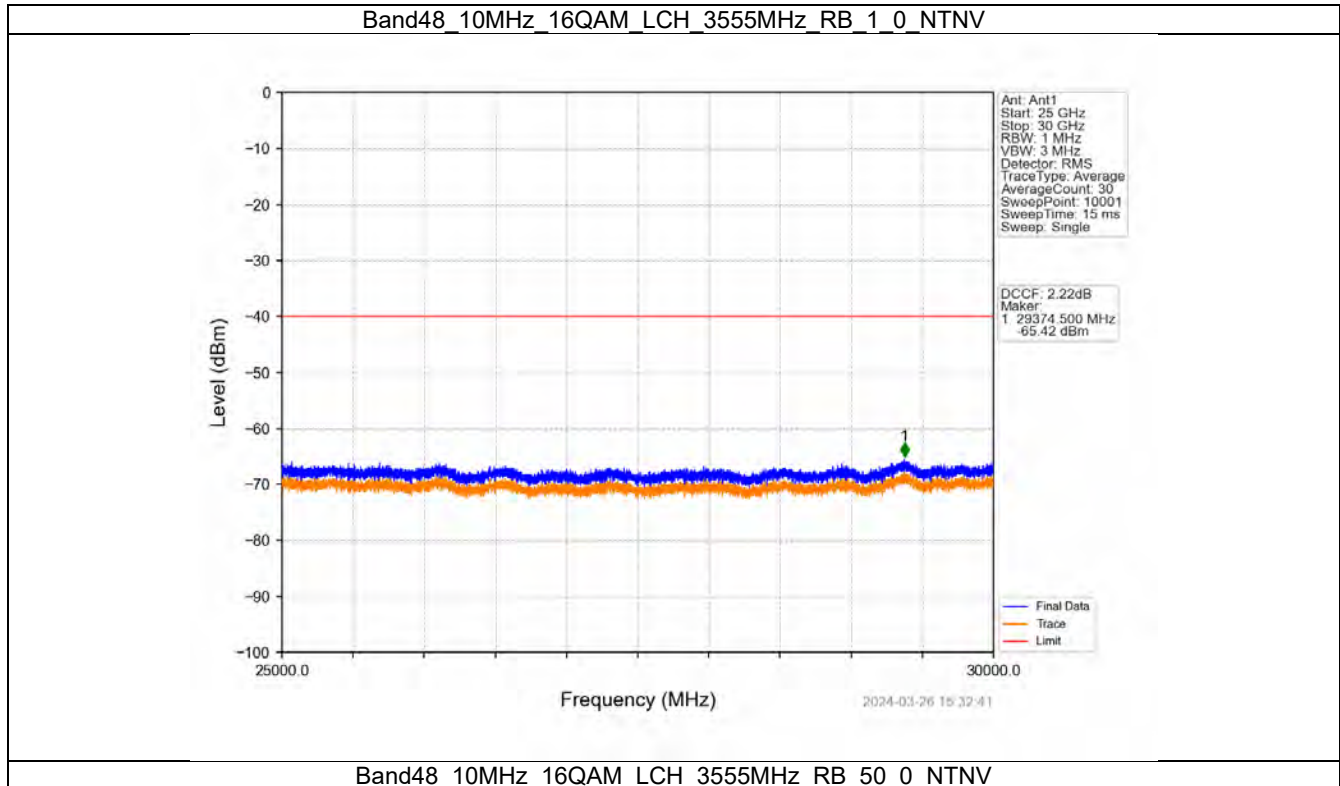


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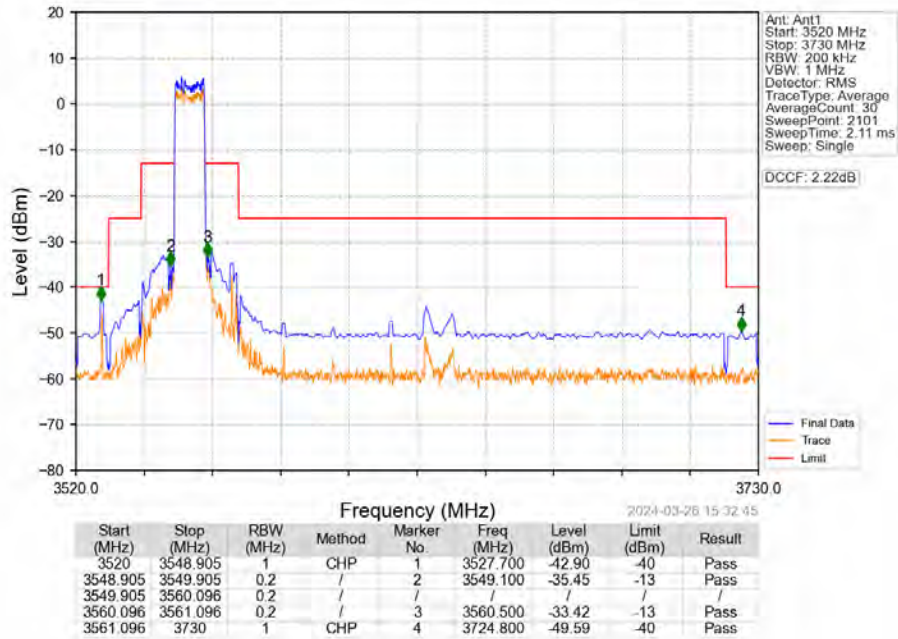


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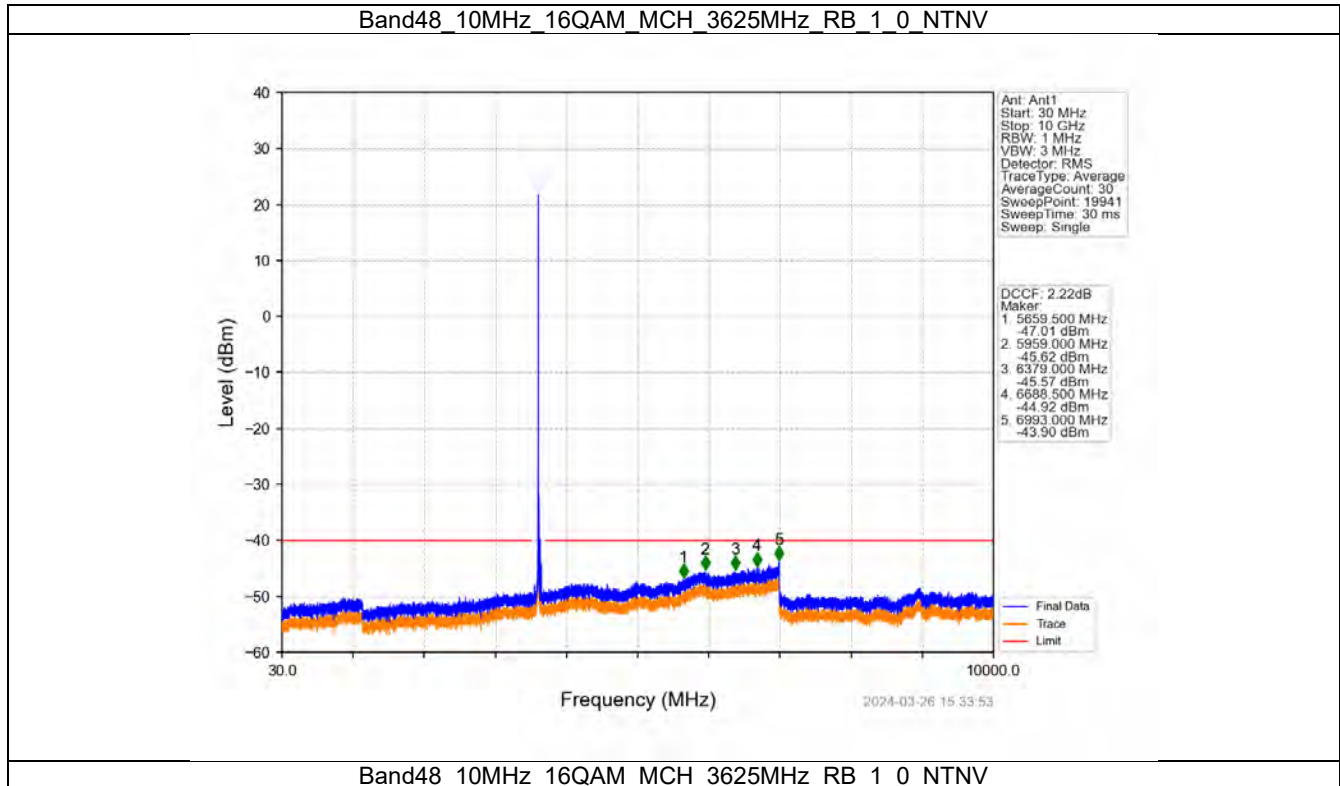


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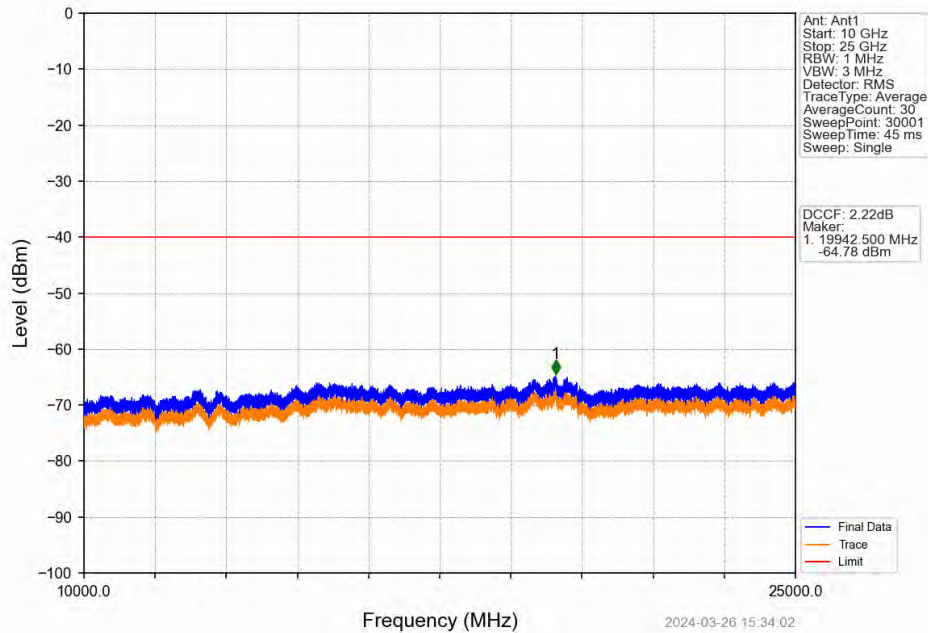


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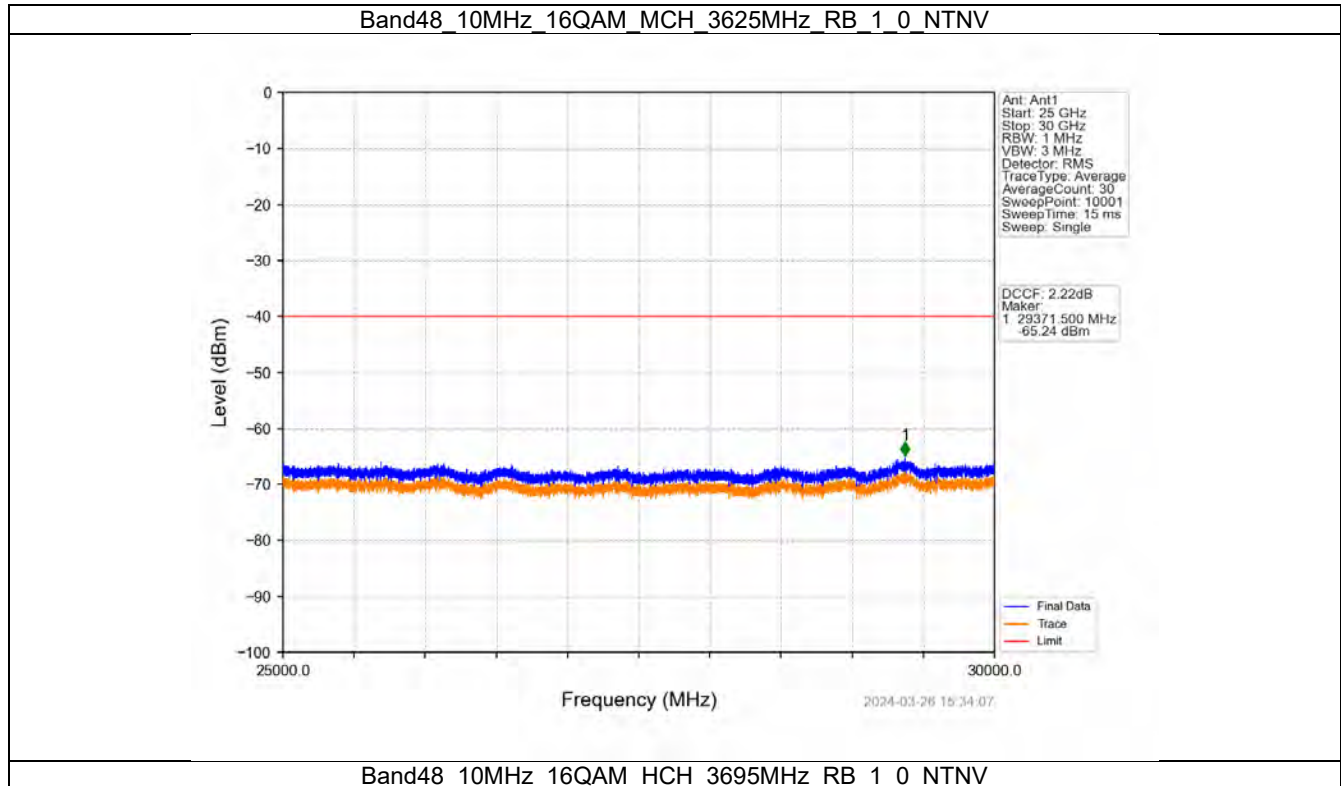


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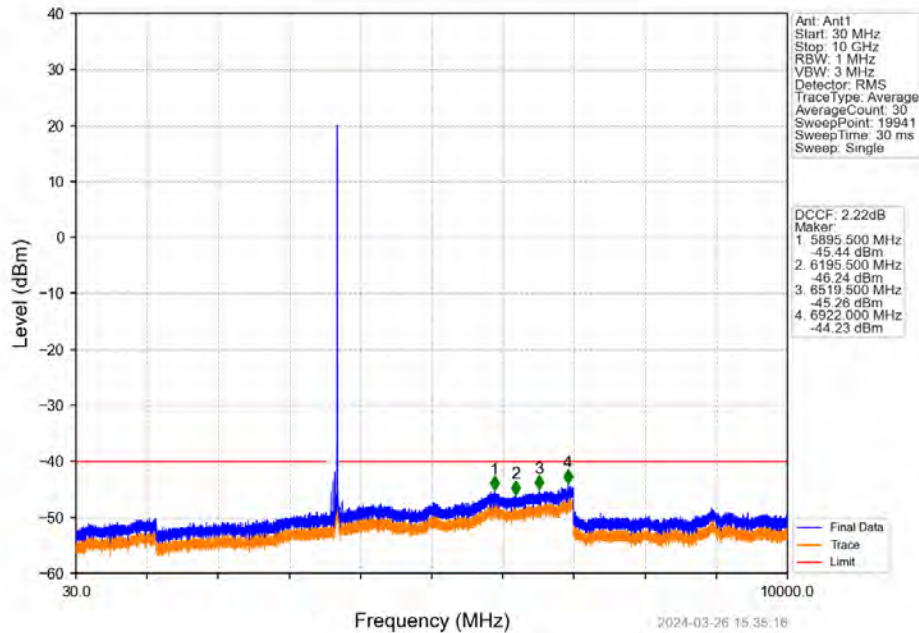


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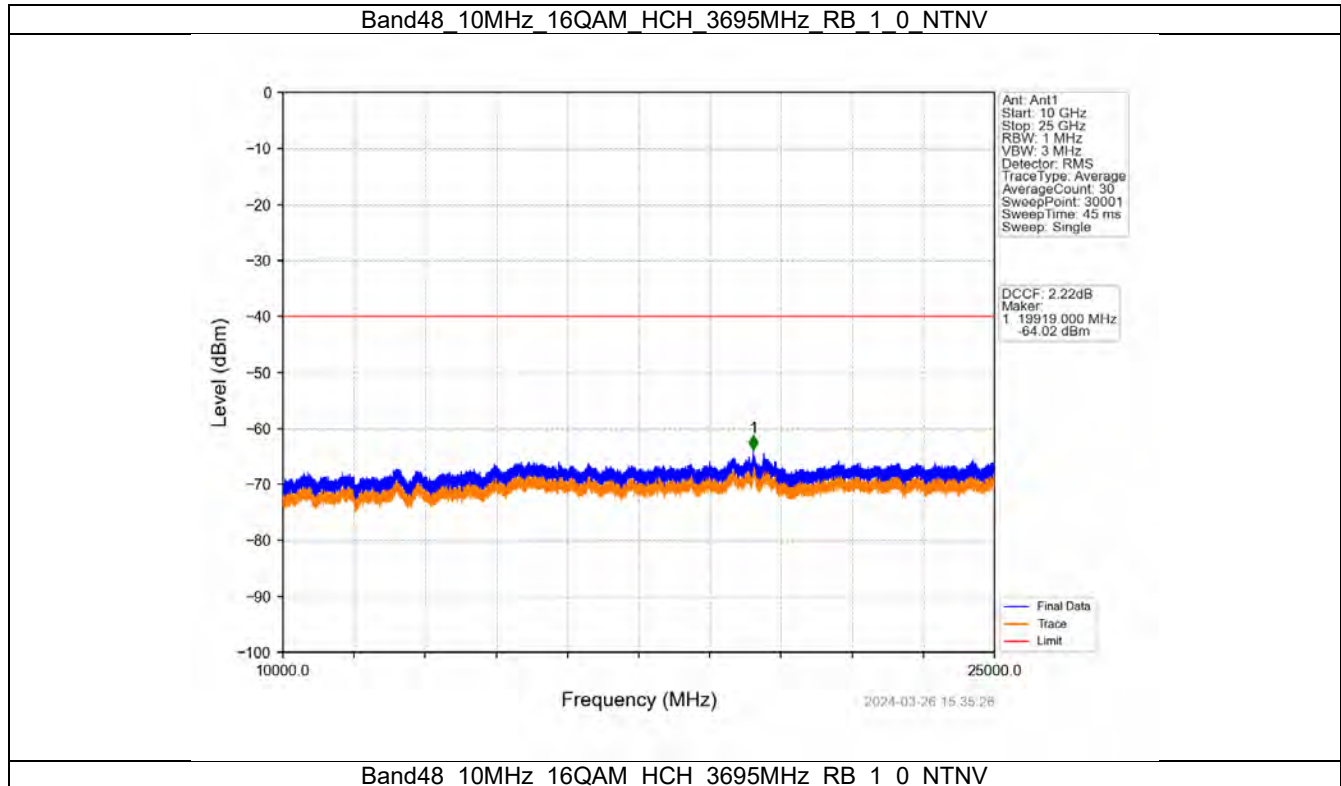


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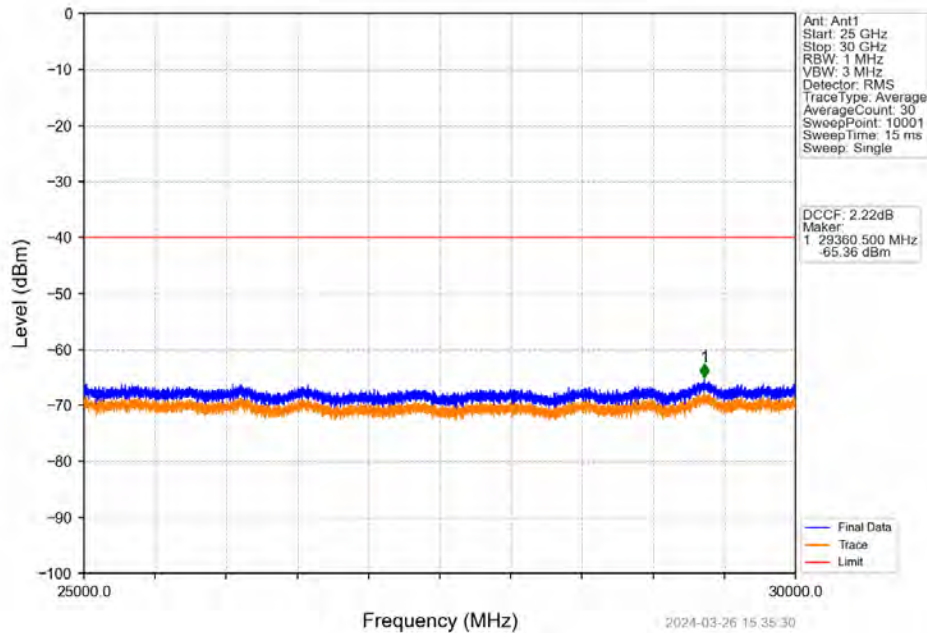


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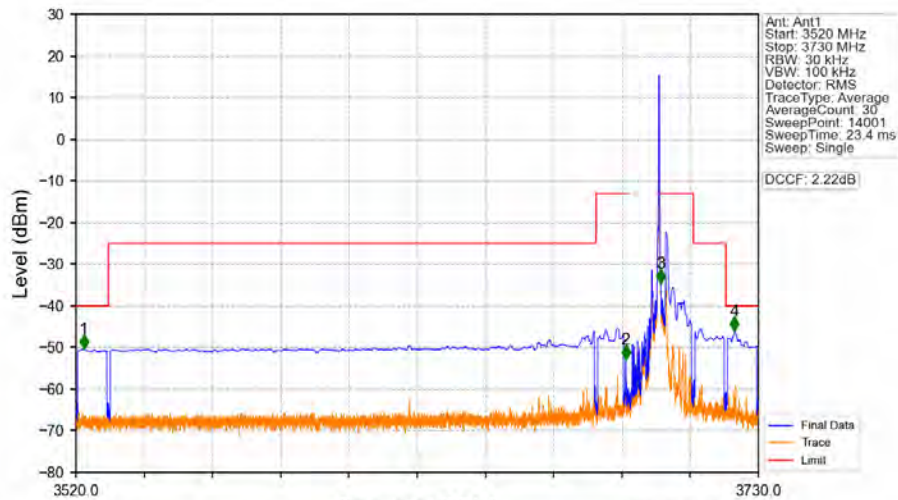
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.032	1	CHP	1	3522.430	-50.30	-40	Pass
3689.032	3690.032	0.03	/	2	3689.185	-52.93	-13	Pass
3690.032	3699.968	0.03	/	/	/	/	/	/
3699.968	3700.968	0.03	/	3	3699.970	-34.64	-13	Pass
3700.968	3730	1	CHP	4	3722.605	-46.06	-40	Pass

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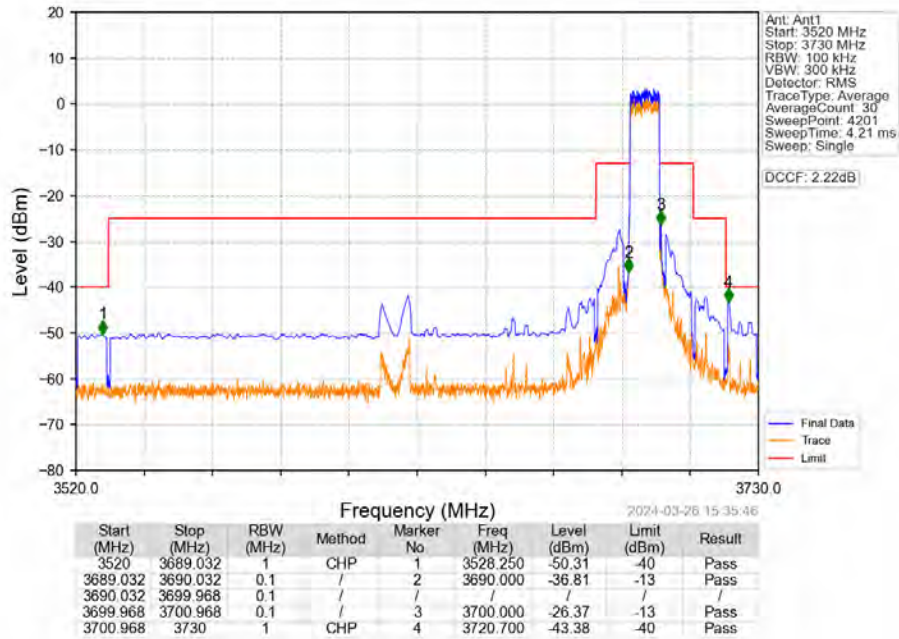


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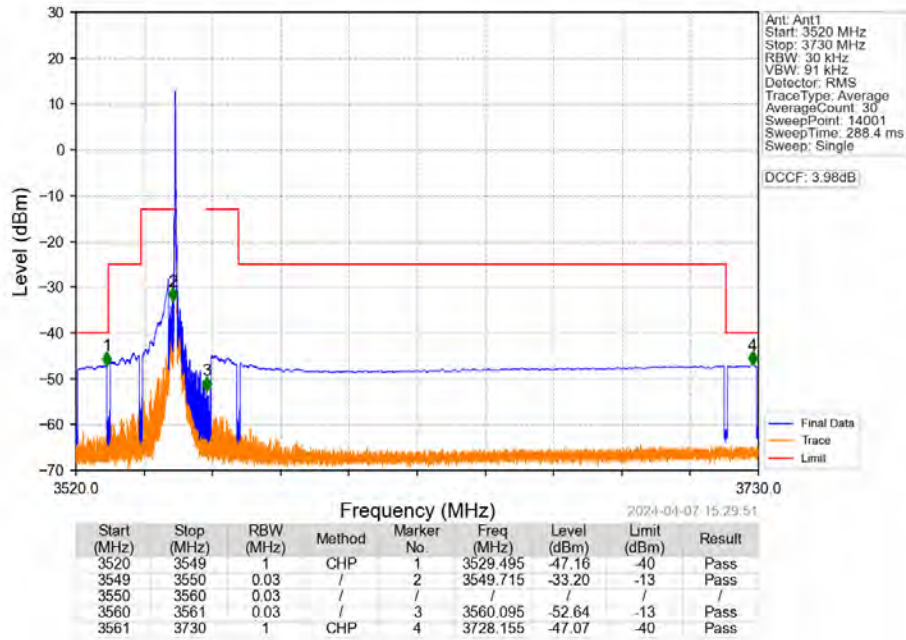
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Band48_10MHz_64QAM_LCH_3555MHz_RB_1_0_NTNV



Band48_10MHz_64QAM_LCH_3555MHz_RB_1_0_NTNV



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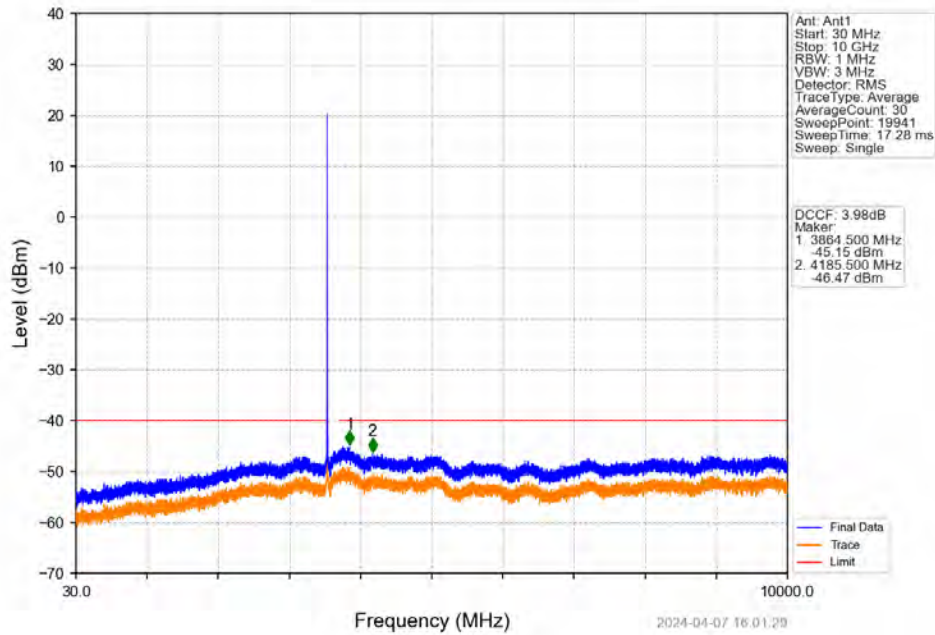


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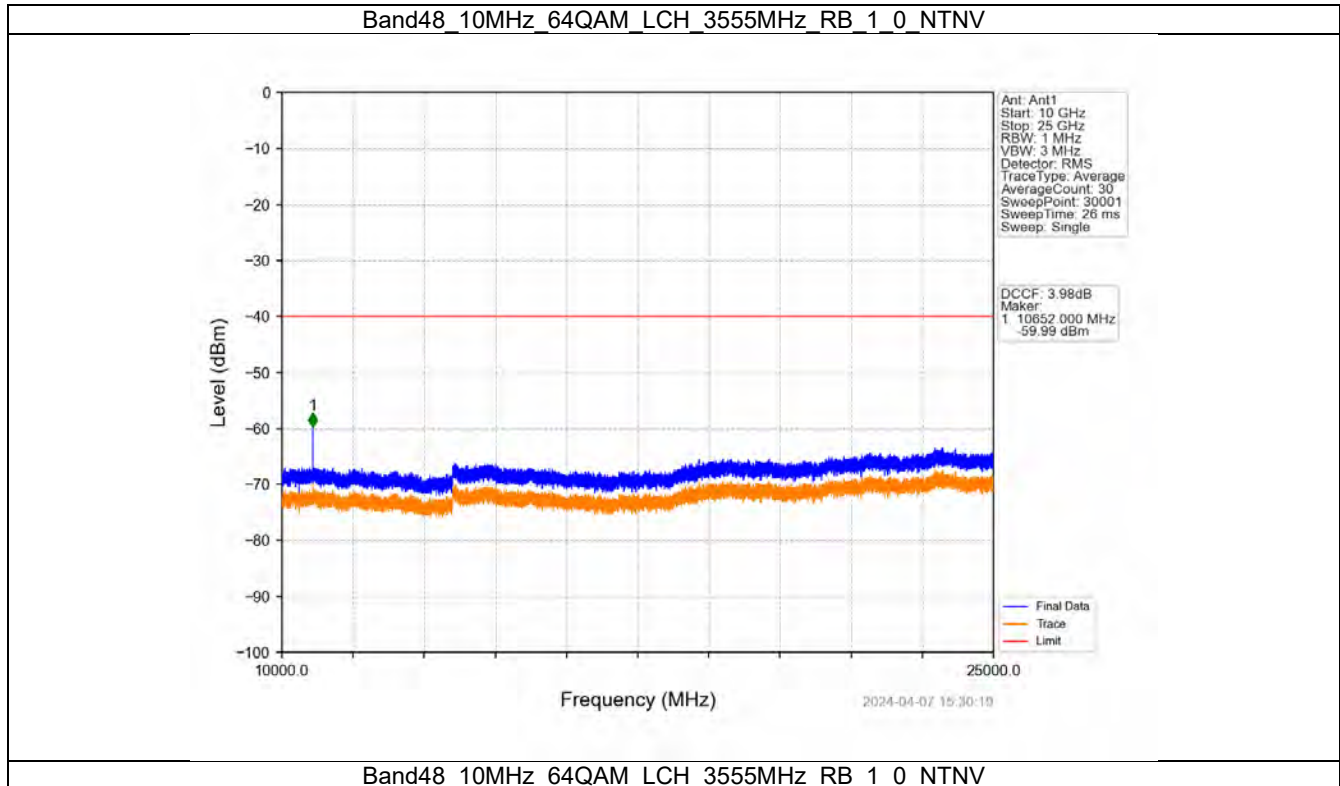


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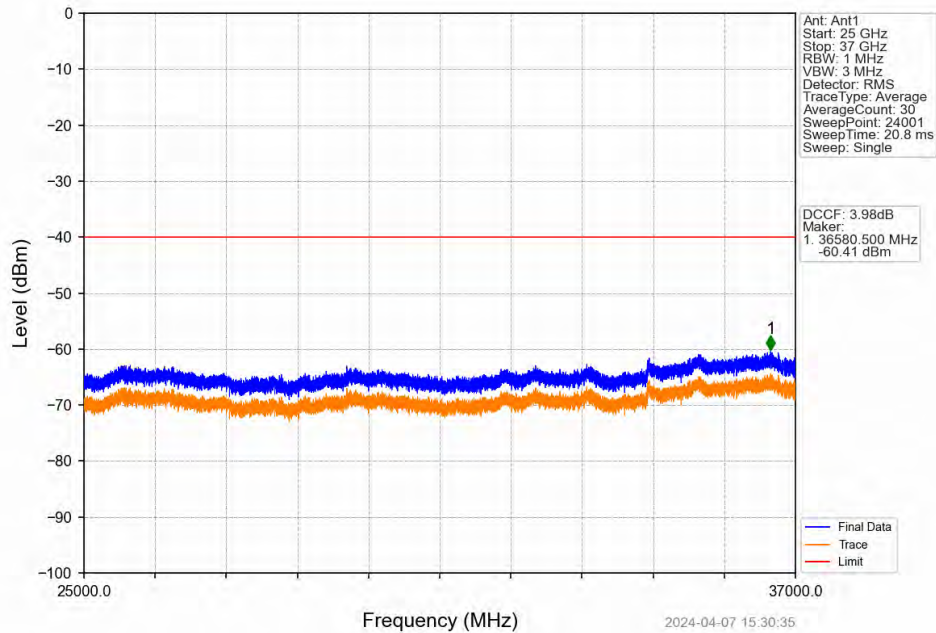


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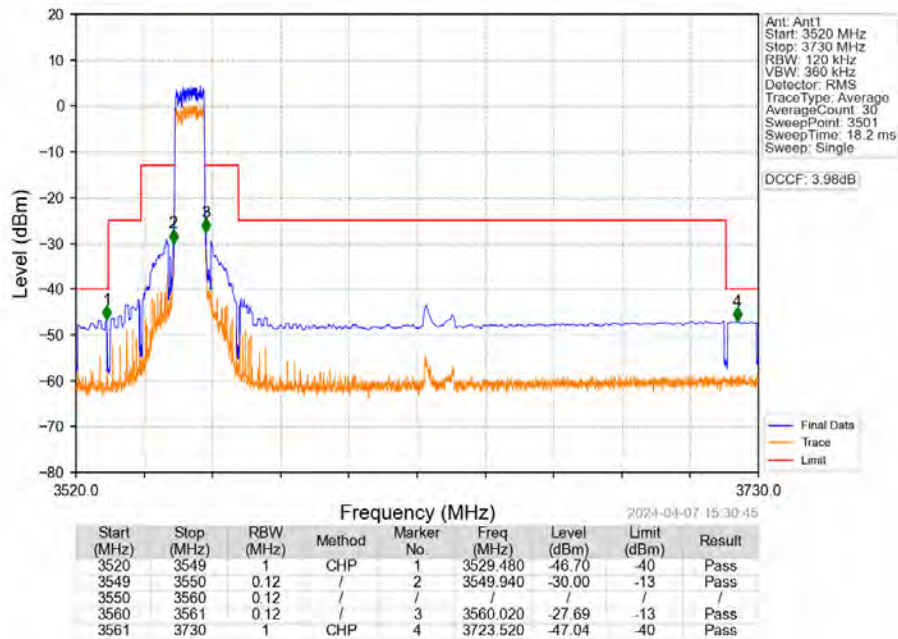
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Band48_10MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



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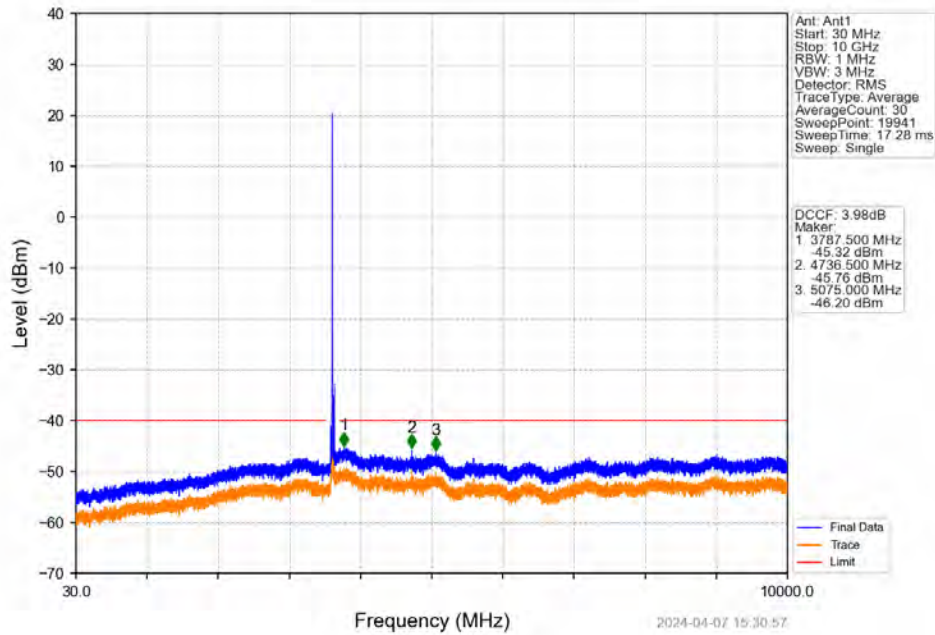


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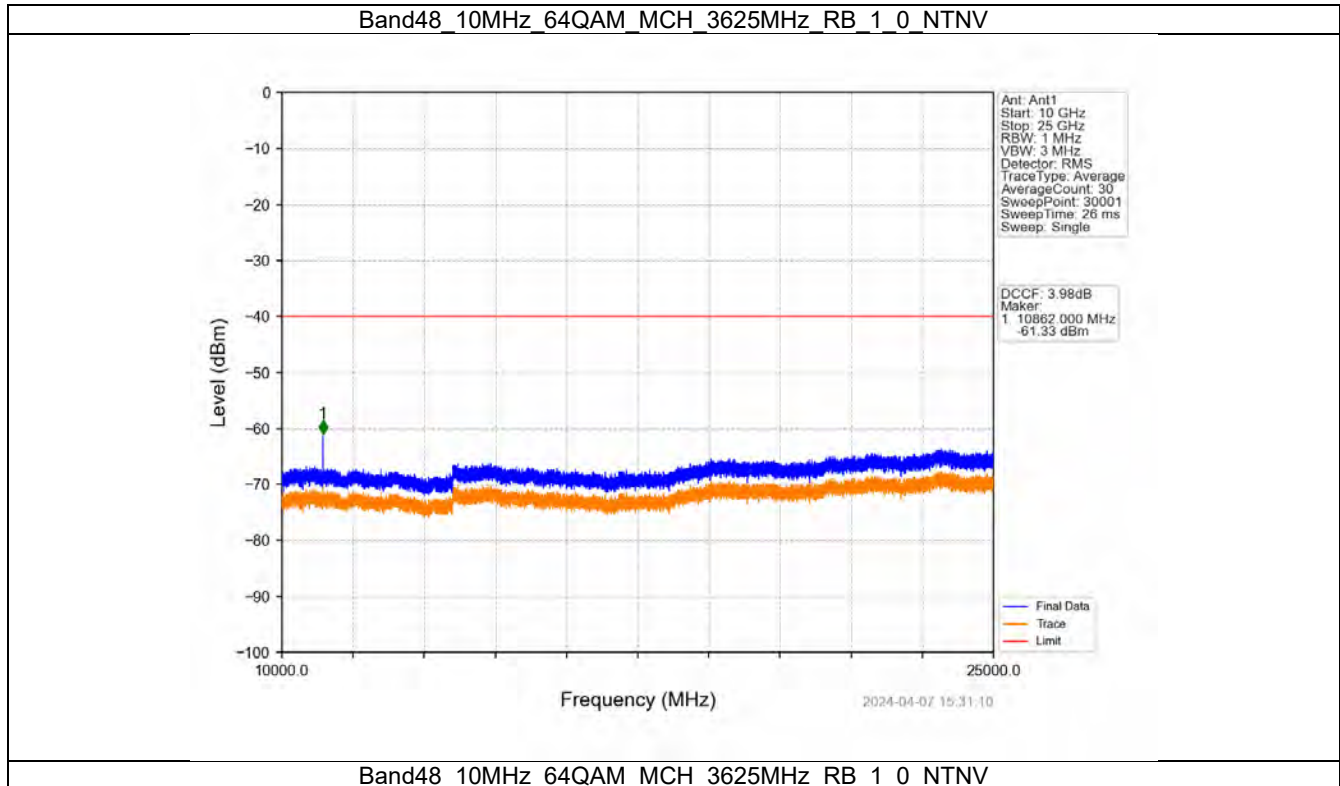


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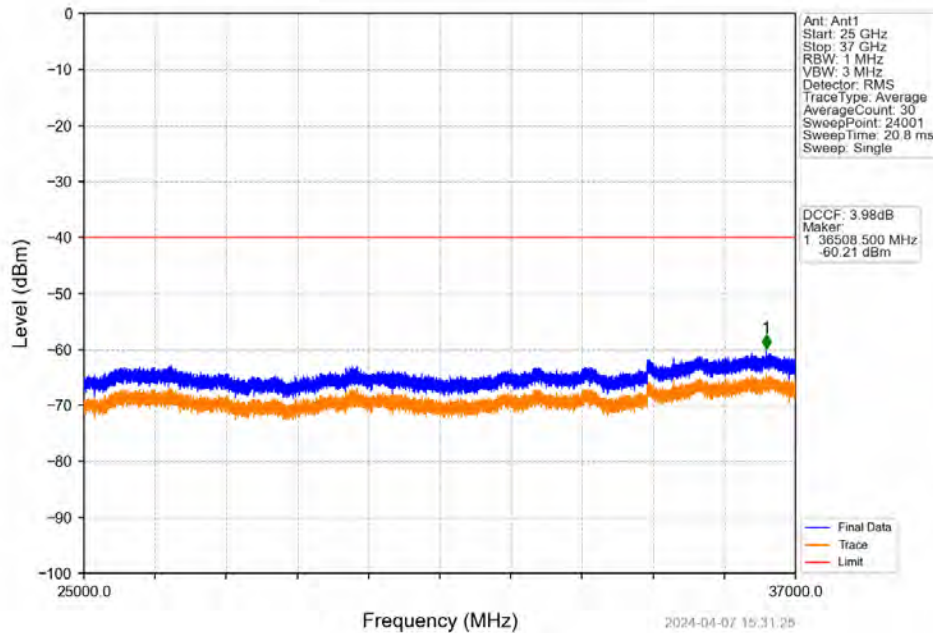


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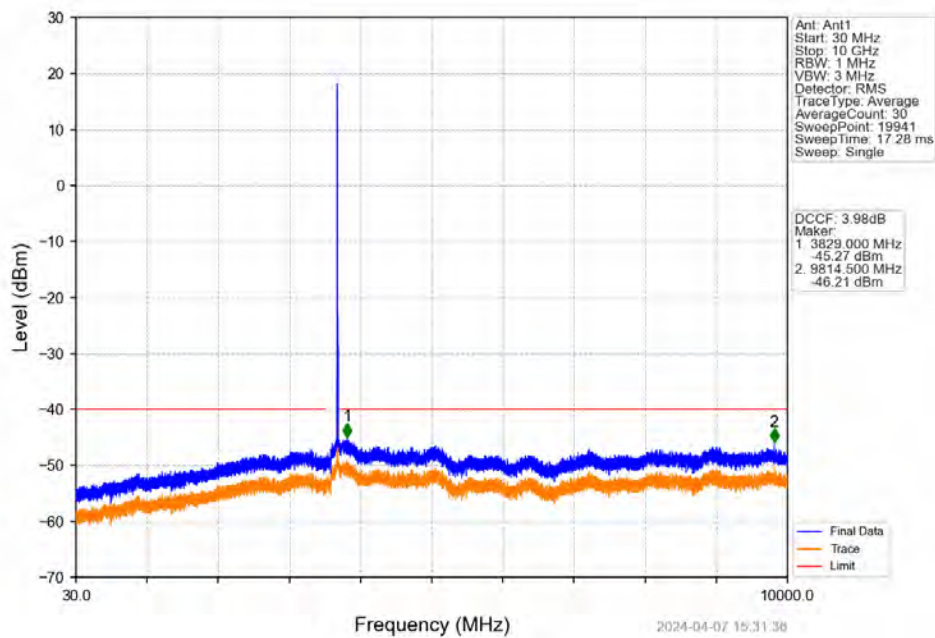
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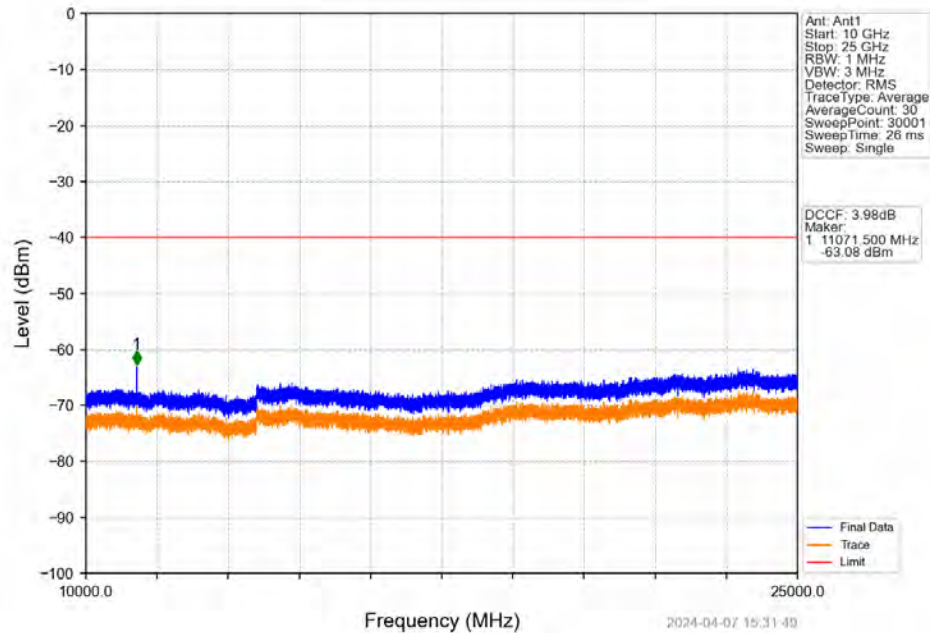


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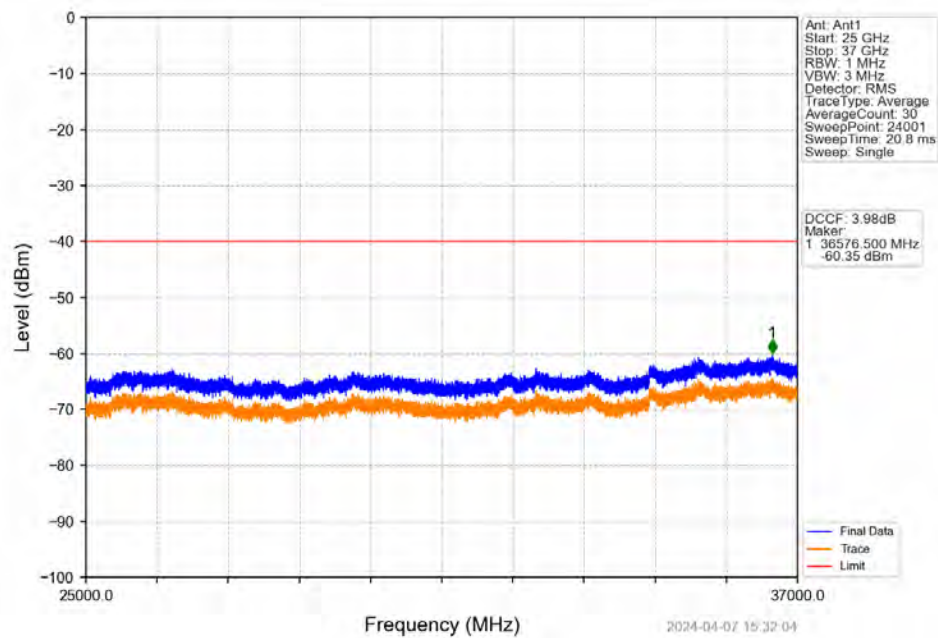
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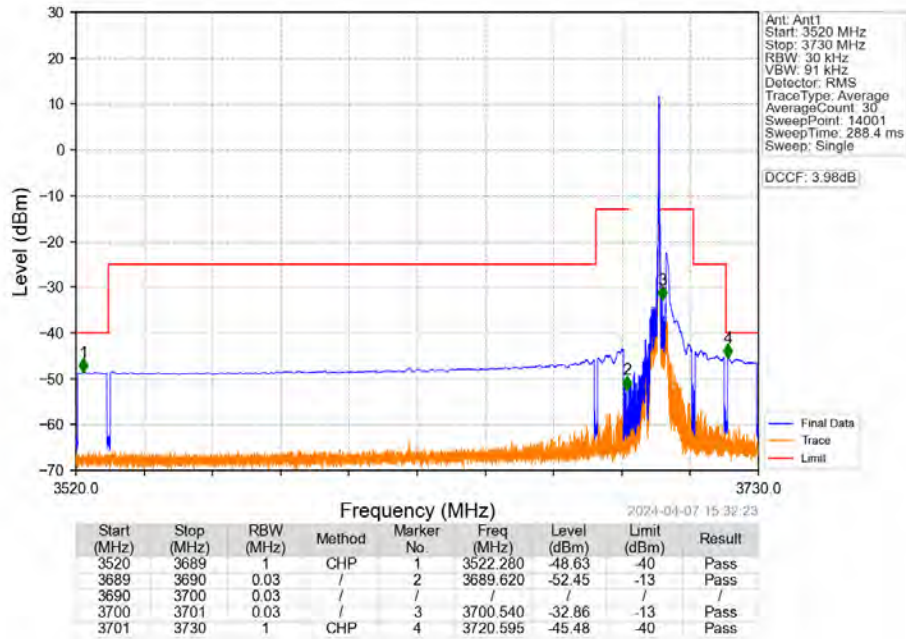


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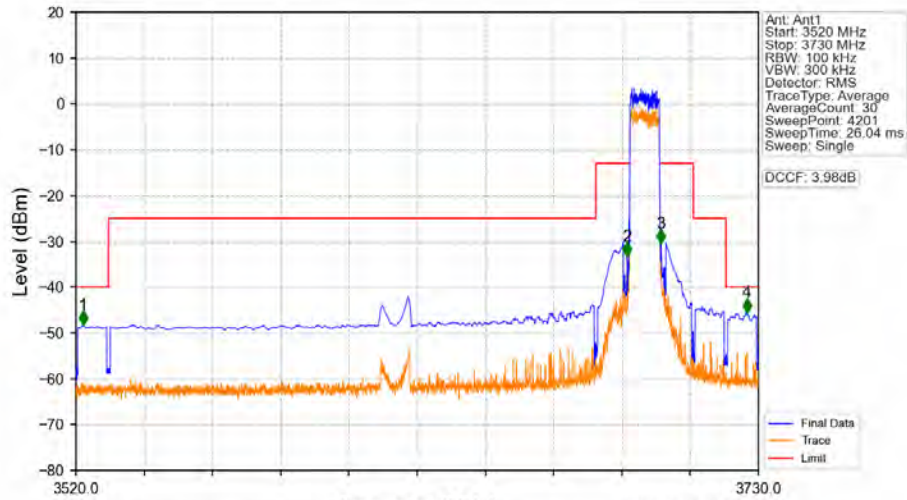
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Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689	1	CHP	1	3522.200	-48.33	-40	Pass
3689	3690	0.1	/	2	3689.600	-33.24	-13	Pass
3690	3700	0.1	/	/	/	/	/	/
3700	3701	0.1	/	3	3700.000	-30.49	-13	Pass
3701	3730	1	CHP	4	3726.450	-45.55	-40	Pass



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5.3 B48_15MHz

5.3.1 Test Result

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



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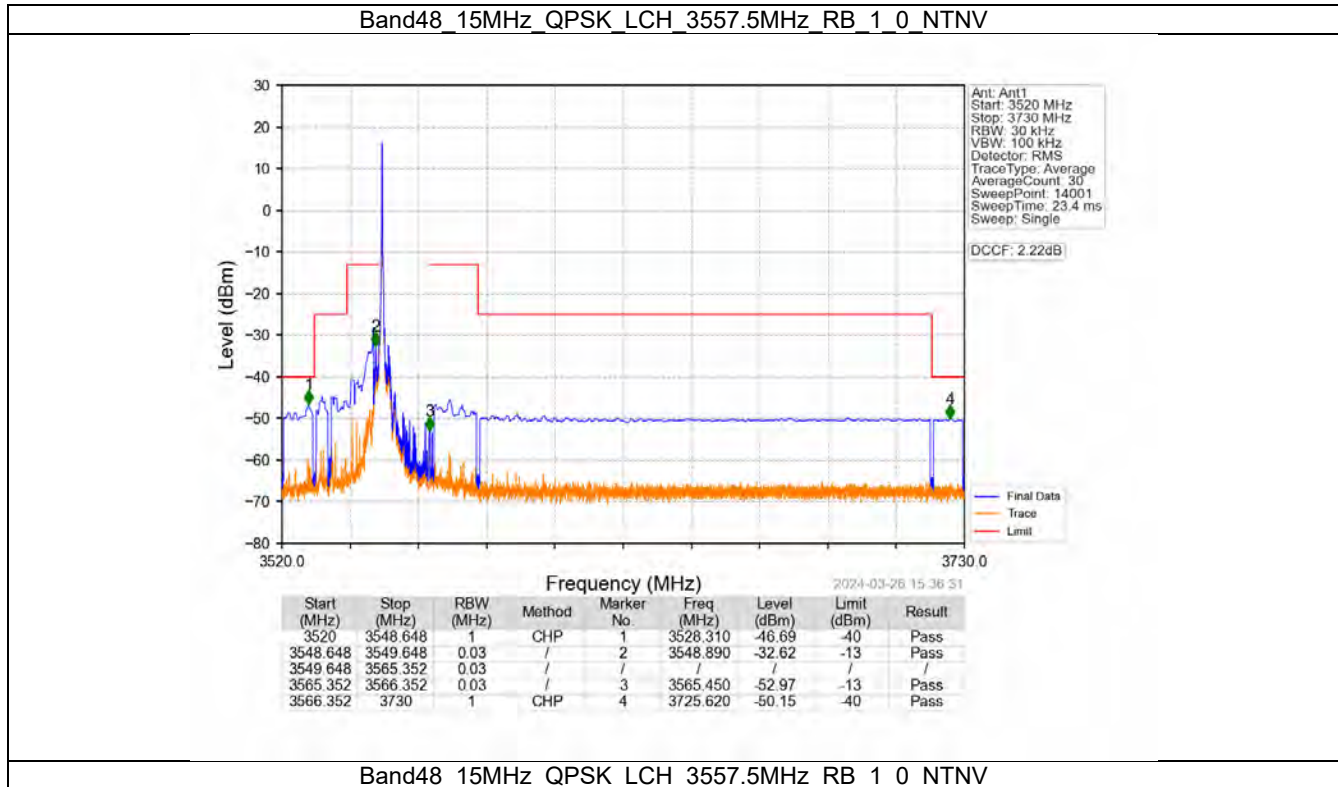
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5.3.2 Test Graph



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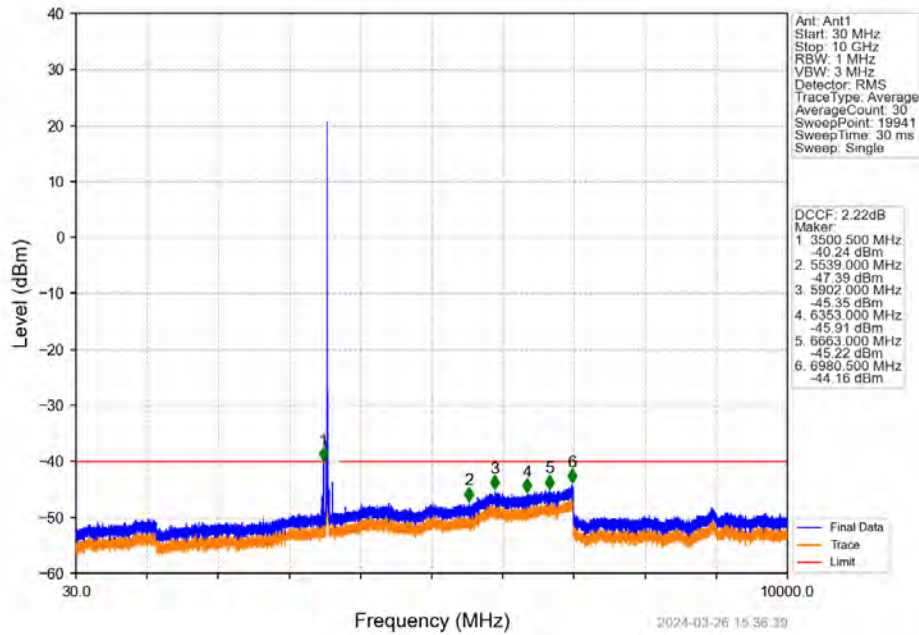


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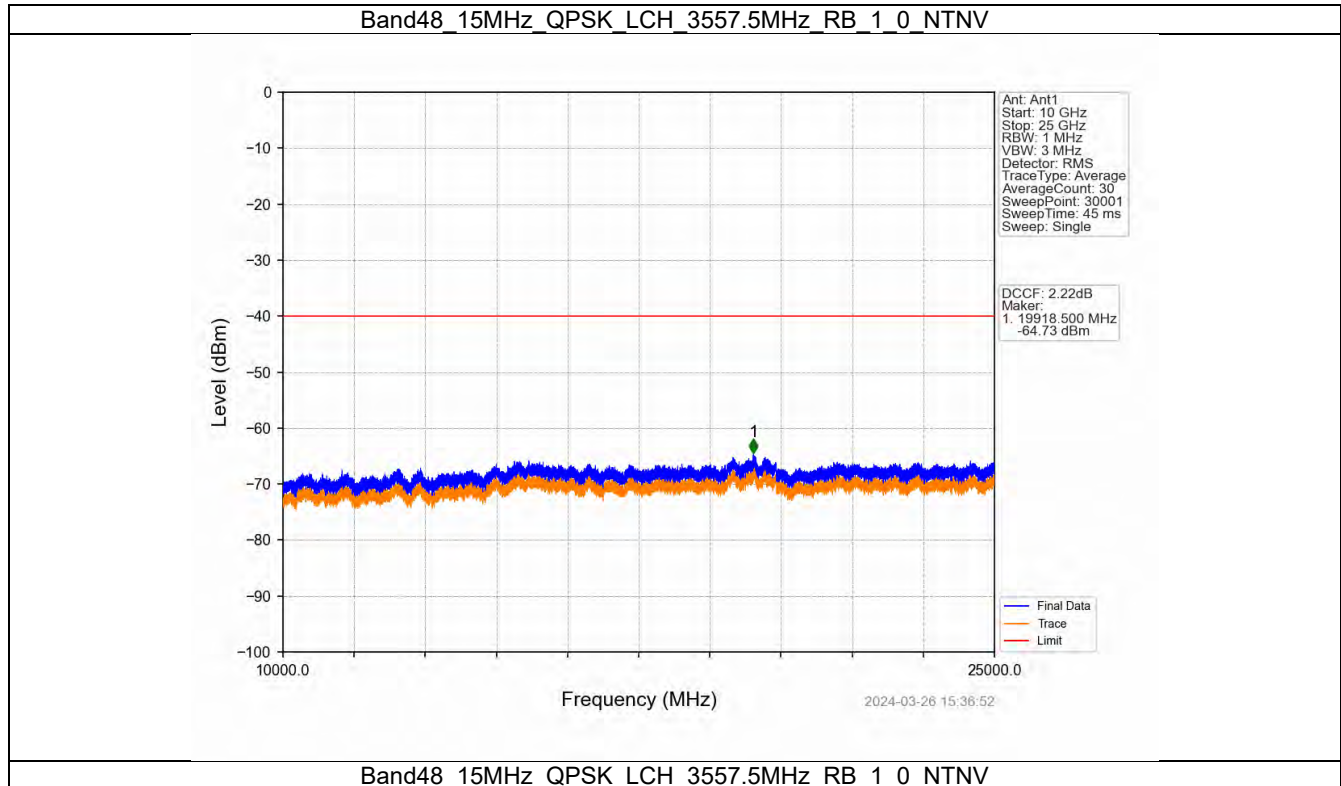


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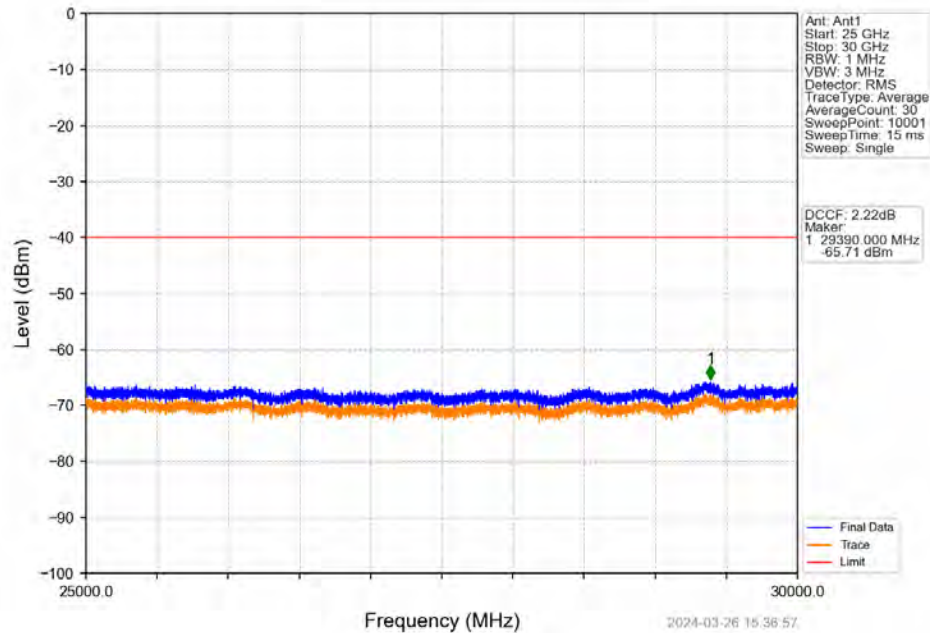


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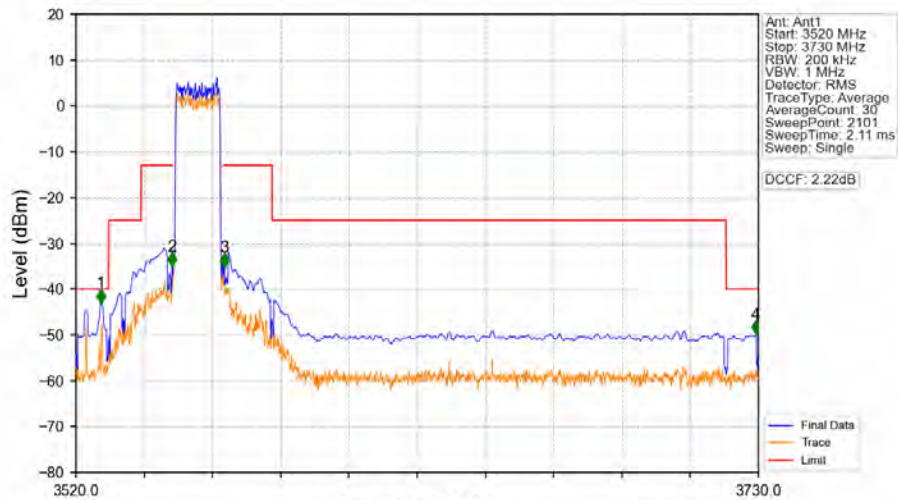
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Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.648	1	CHP	1	3527.600	-43.08	-40	Pass
3548.648	3549.648	0.2	/	2	3549.600	-34.99	-13	Pass
3549.648	3565.352	0.2	/	/	/	/	/	/
3565.352	3566.352	0.2	/	3	3565.600	-35.21	-13	Pass
3566.352	3730	1	CHP	4	3729.200	-49.91	-40	Pass

Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



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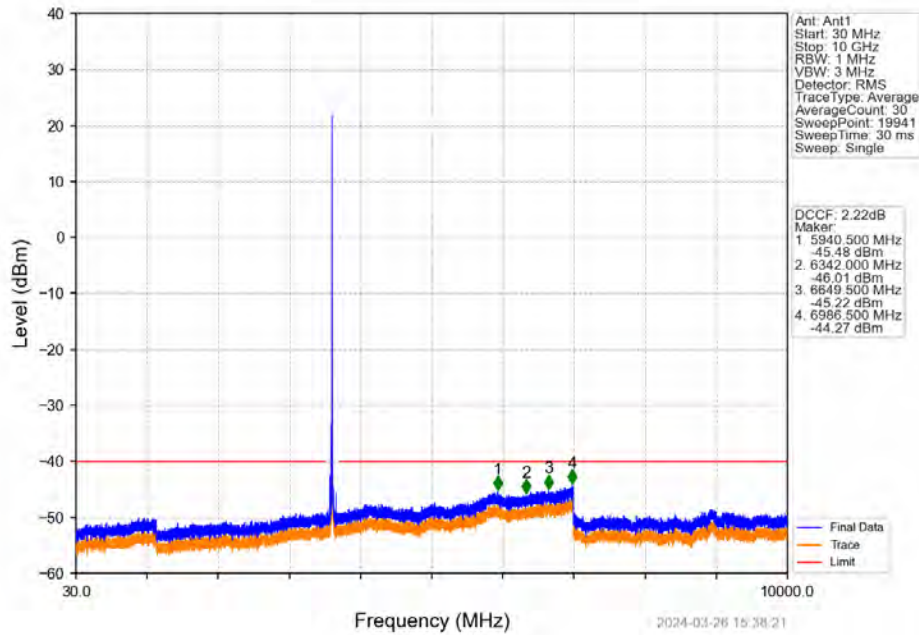


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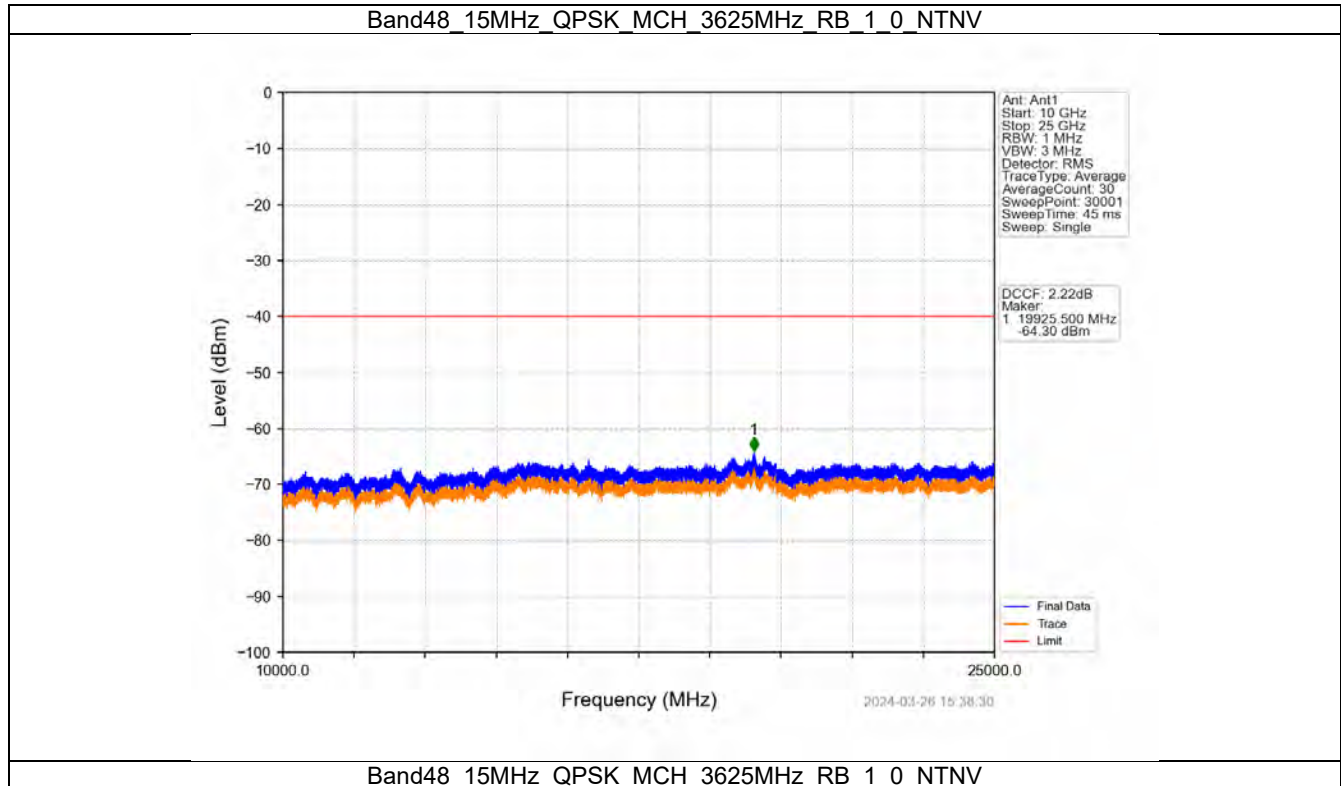


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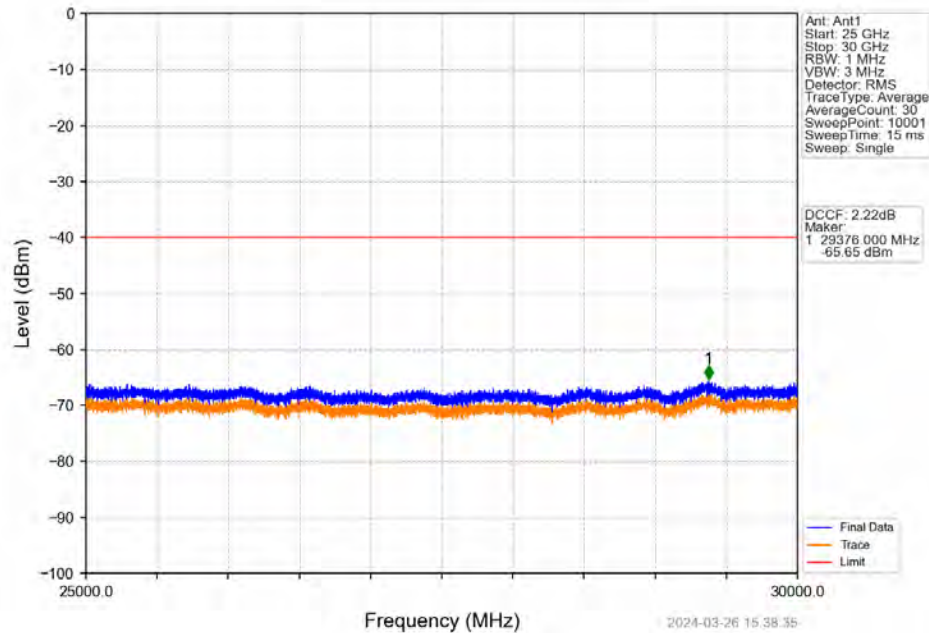


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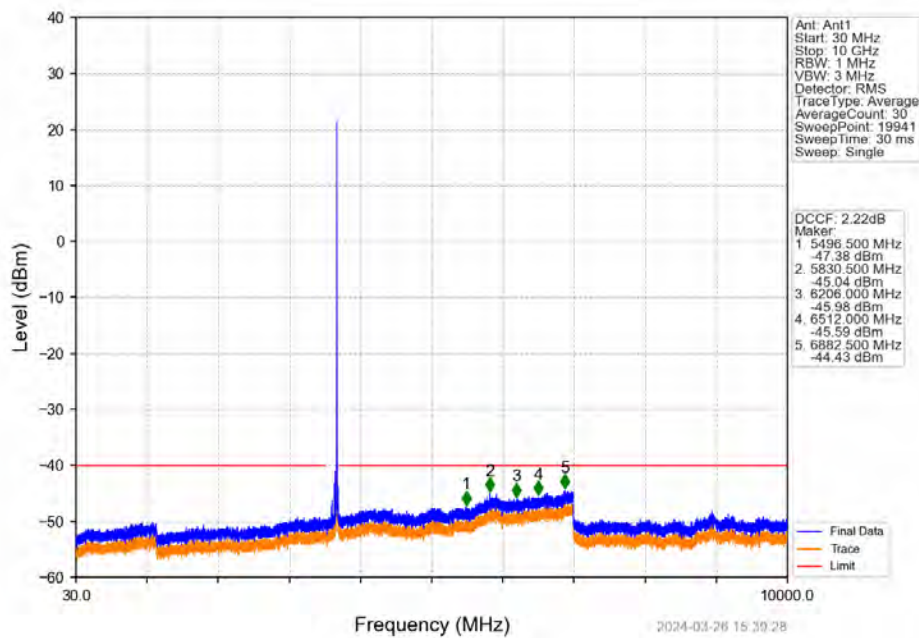
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



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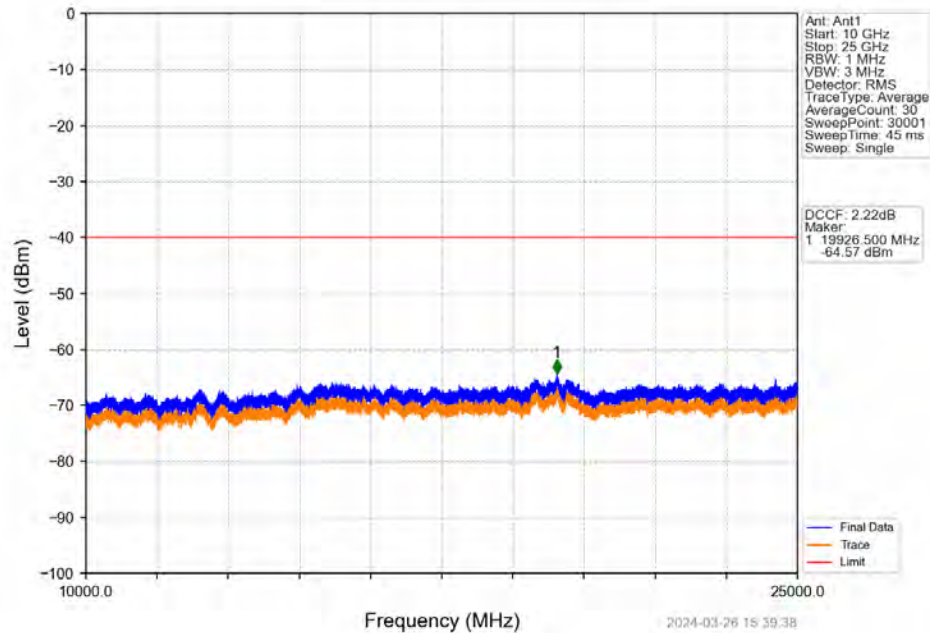


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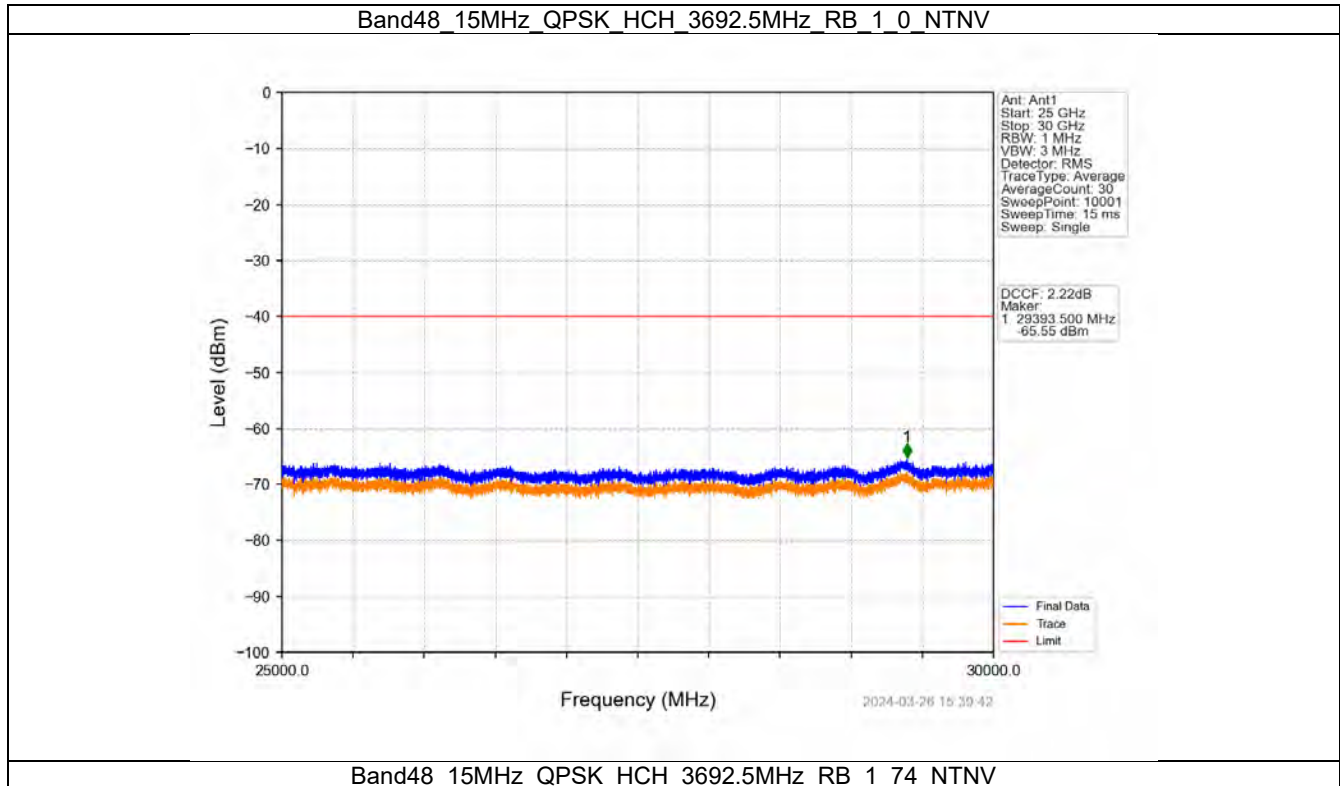


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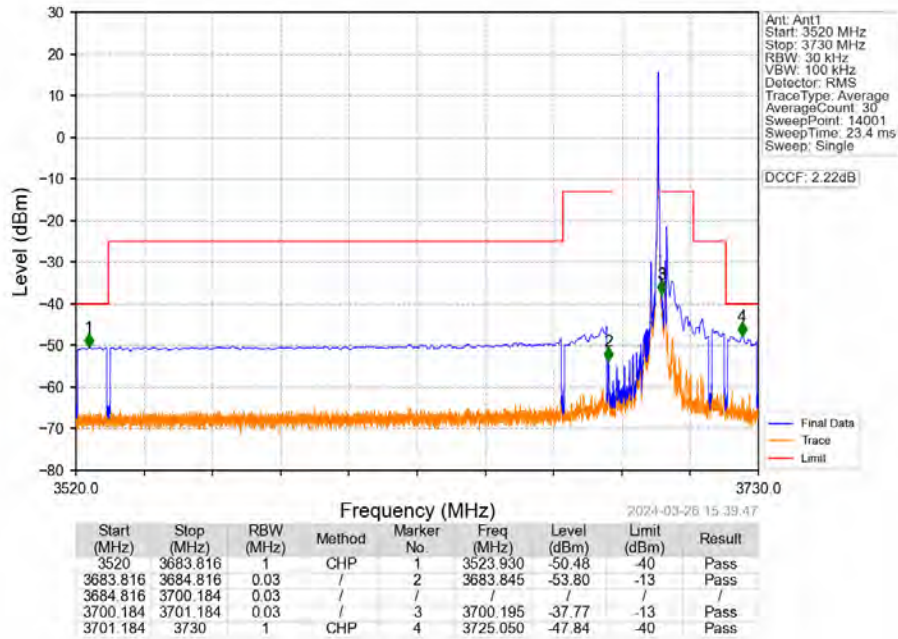


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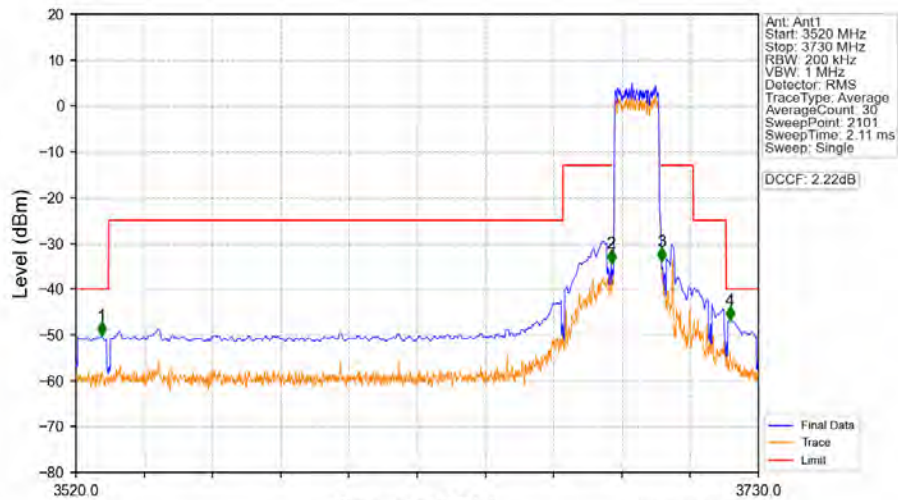
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3683.816	1	CHP	1	3527.900	-50.18	-40	Pass
3683.816	3684.816	0.2	/	2	3684.700	-34.43	-13	Pass
3684.816	3700.184	0.2	/	/	/	/	/	/
3700.184	3701.184	0.2	/	3	3700.200	-33.98	-13	Pass
3701.184	3730	1	CHP	4	3721.200	-46.84	-40	Pass

Band48_15MHz_16QAM_LCH_3557.5MHz_RB_1_0_NTNV



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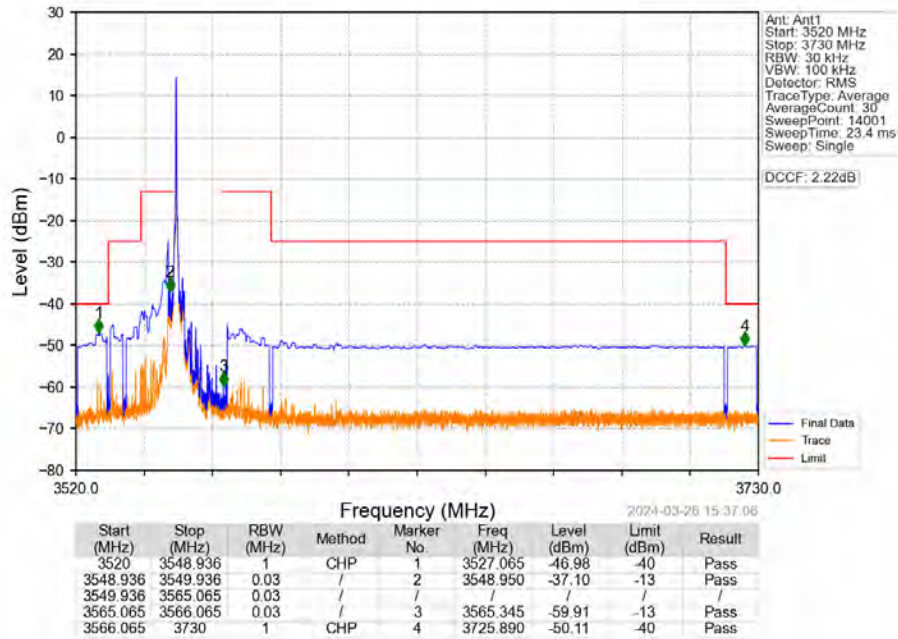


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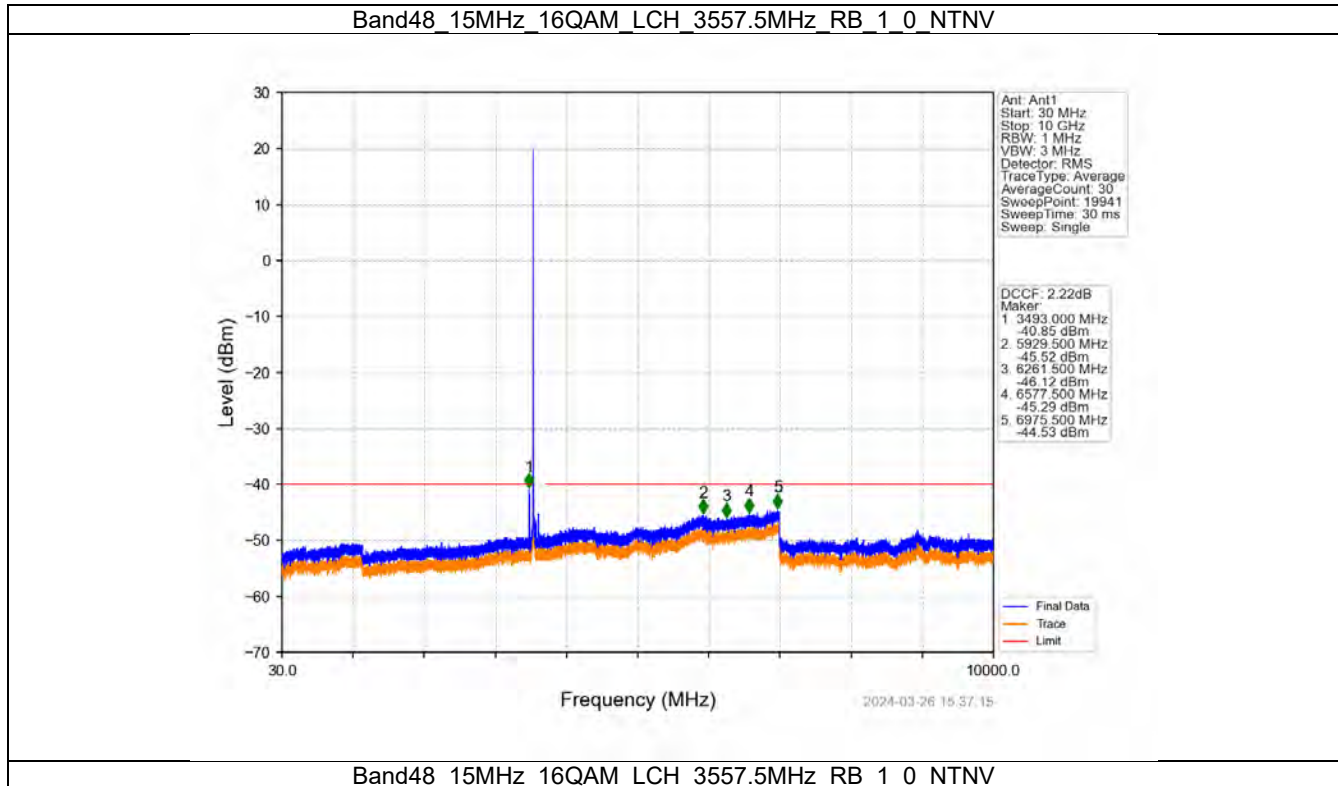


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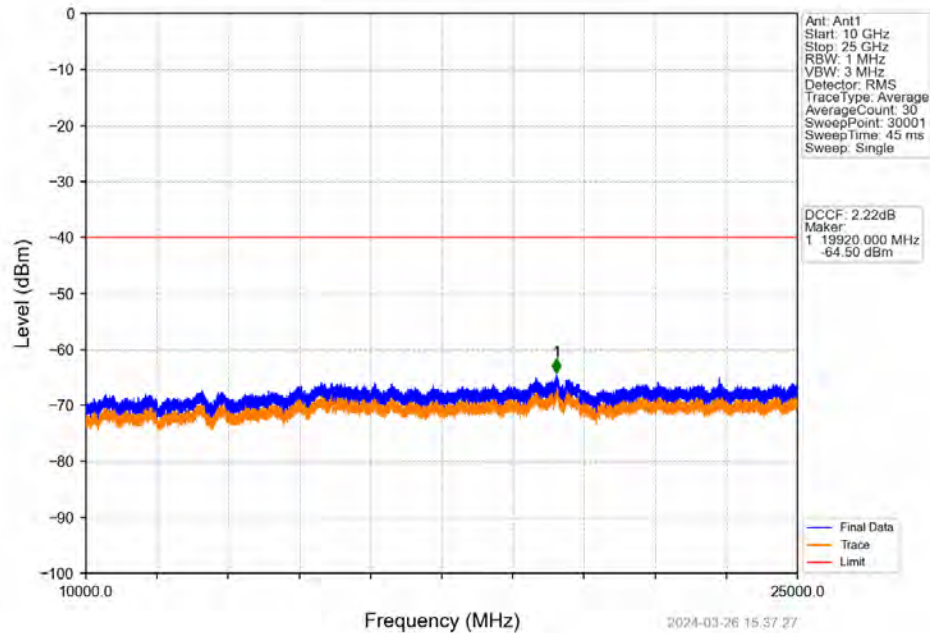


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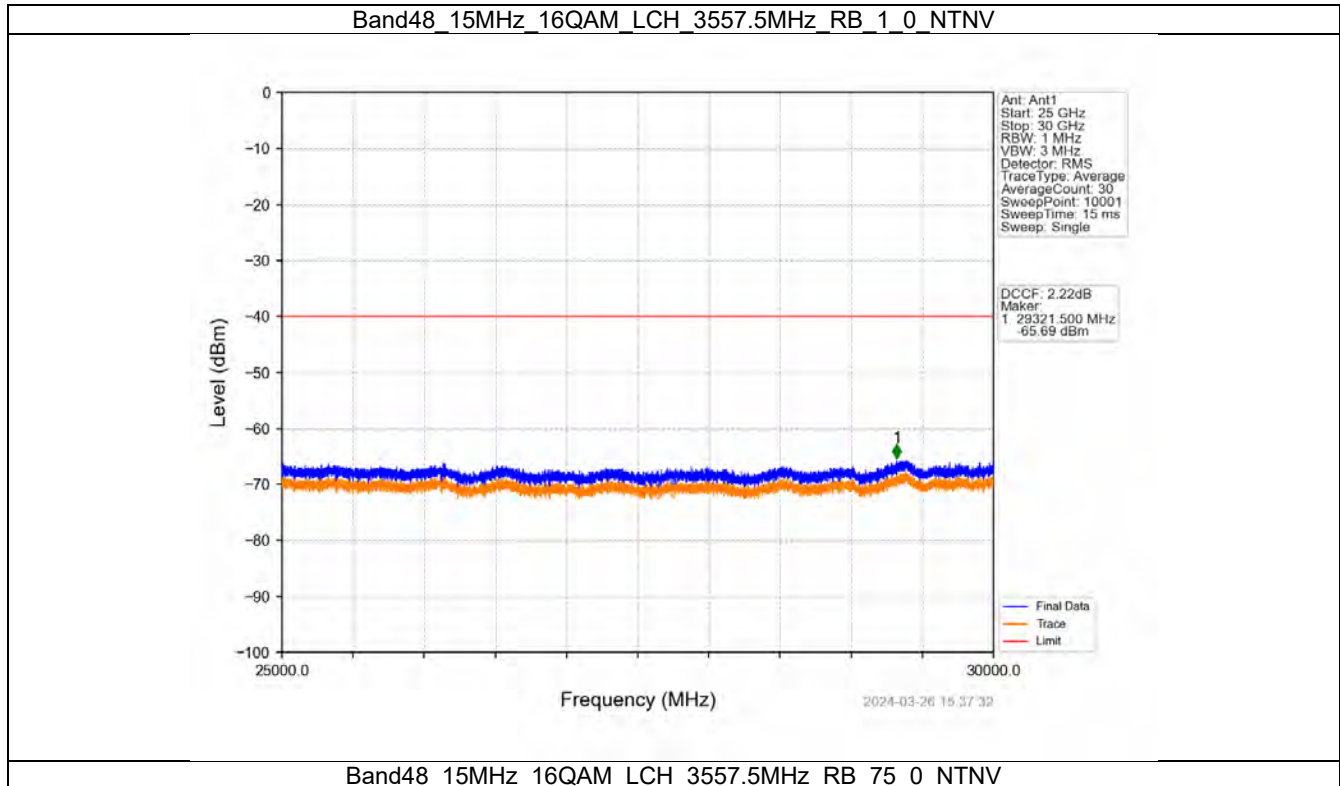


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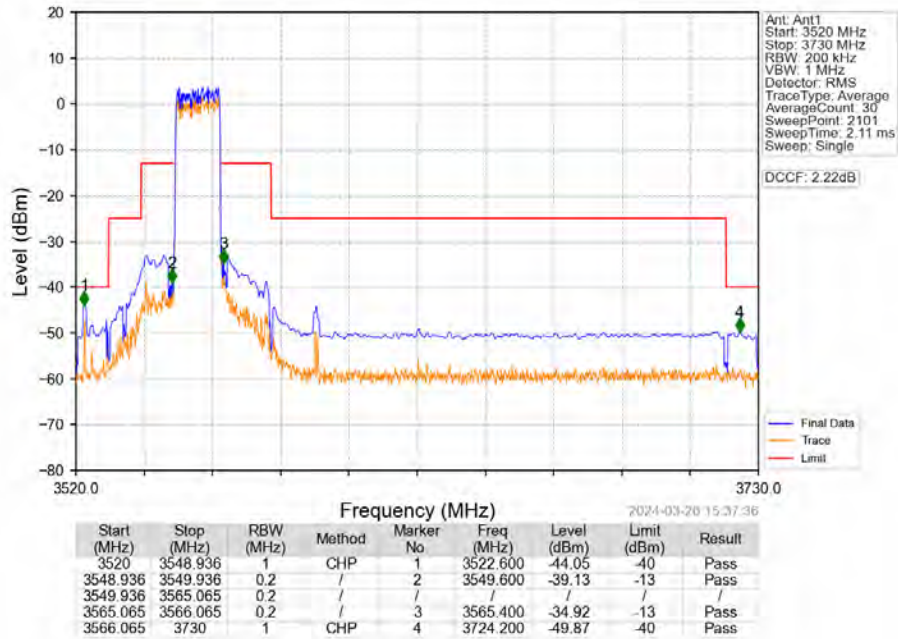


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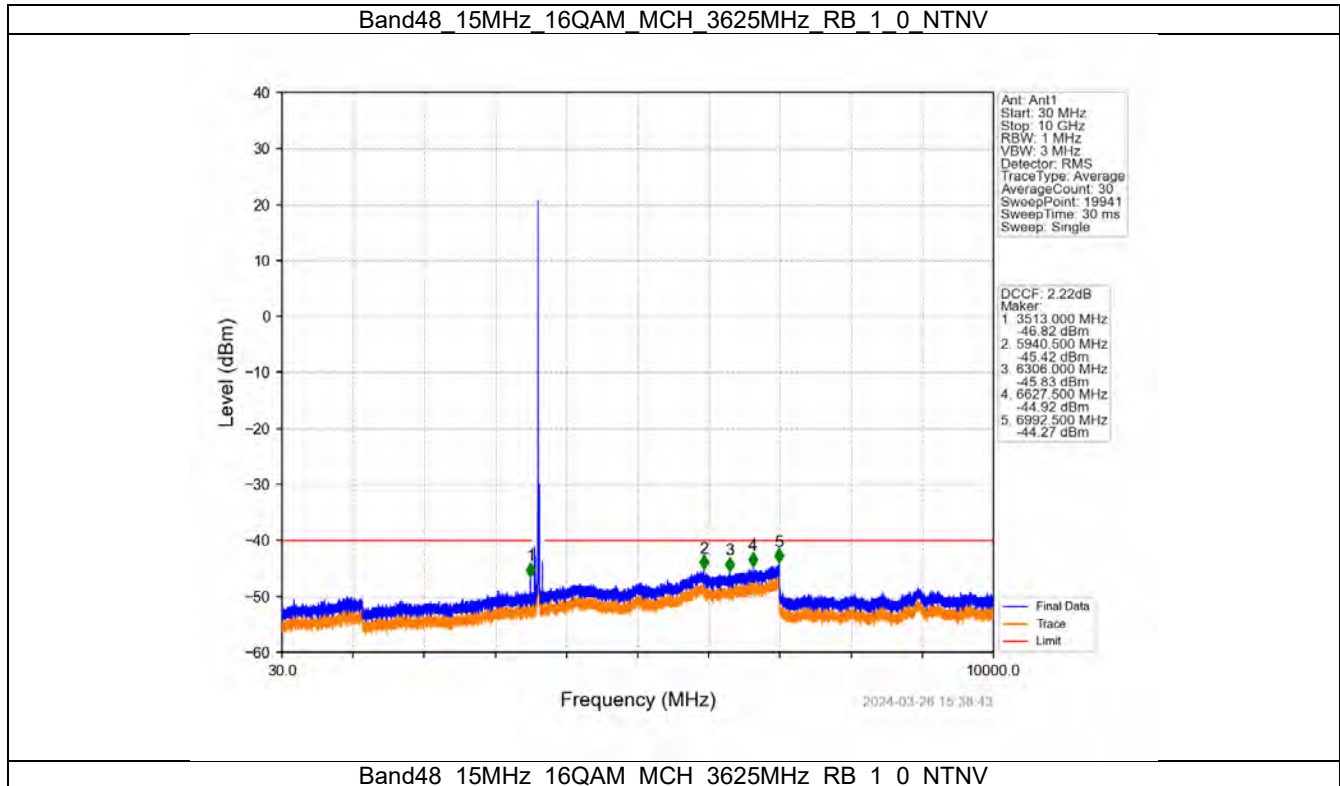


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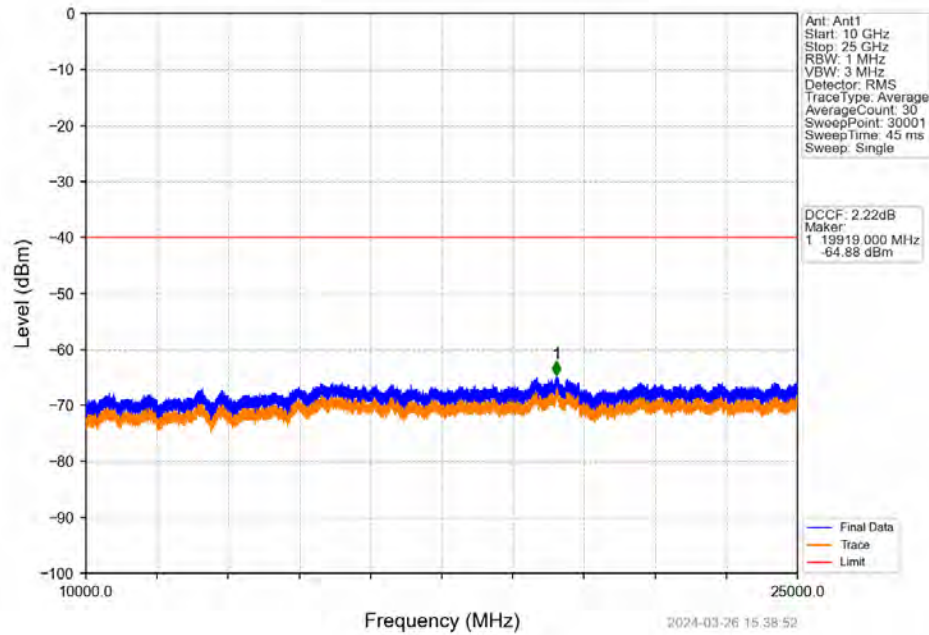


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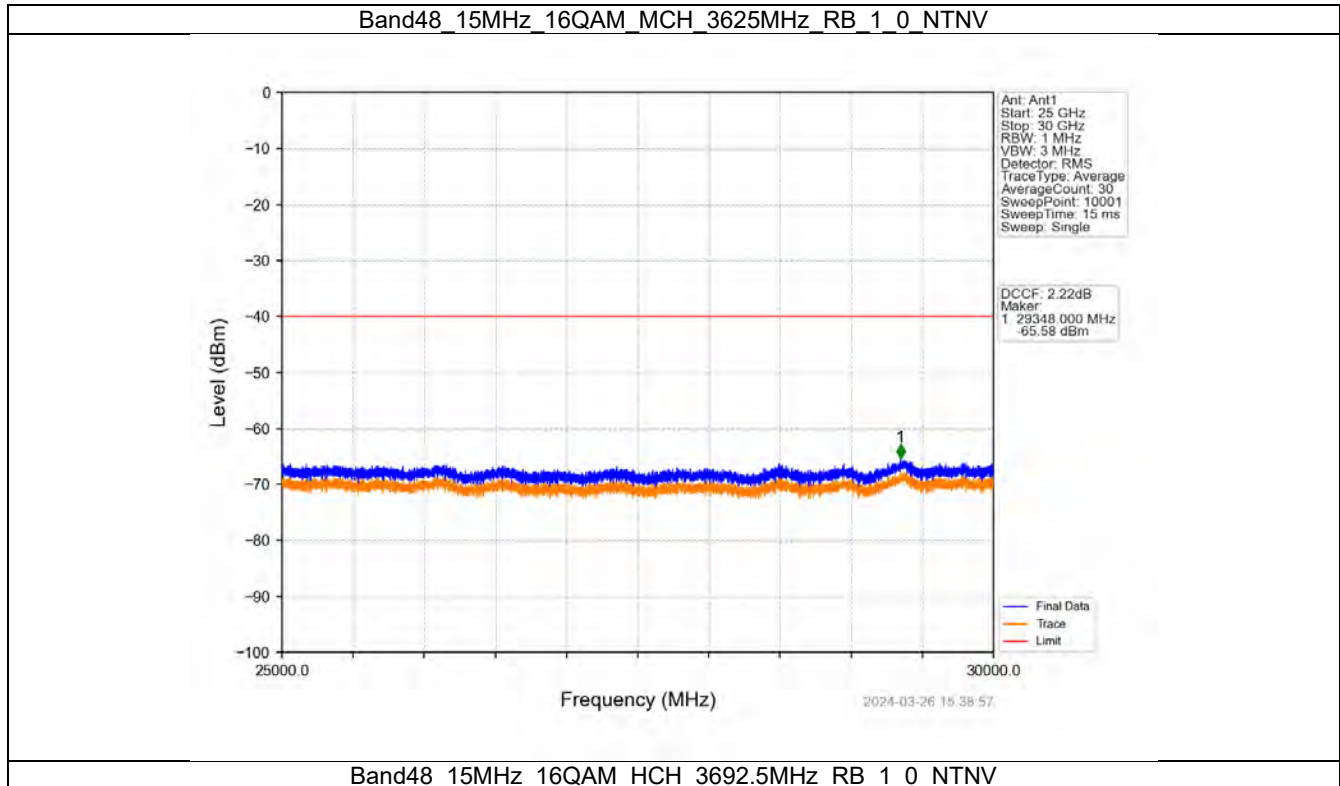


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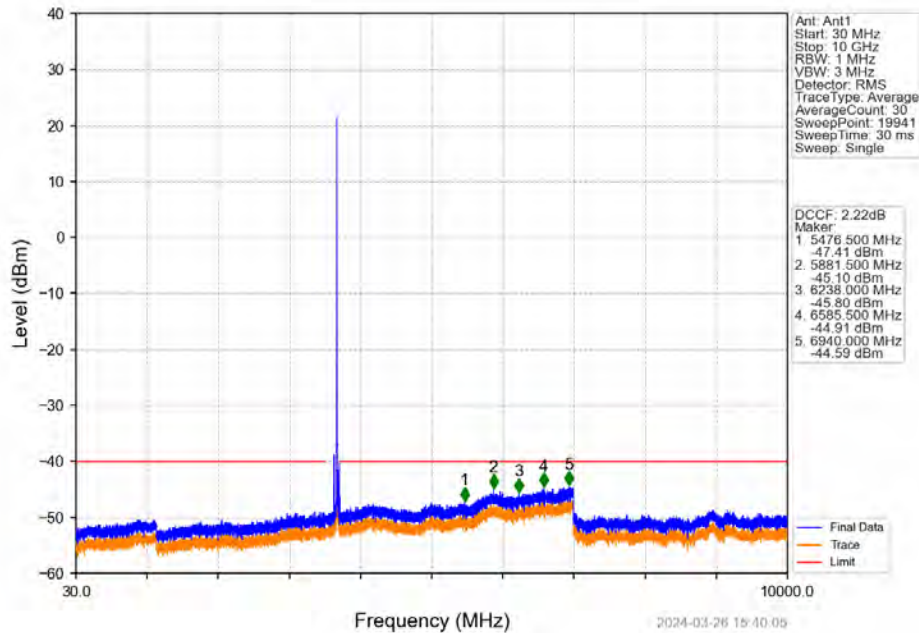


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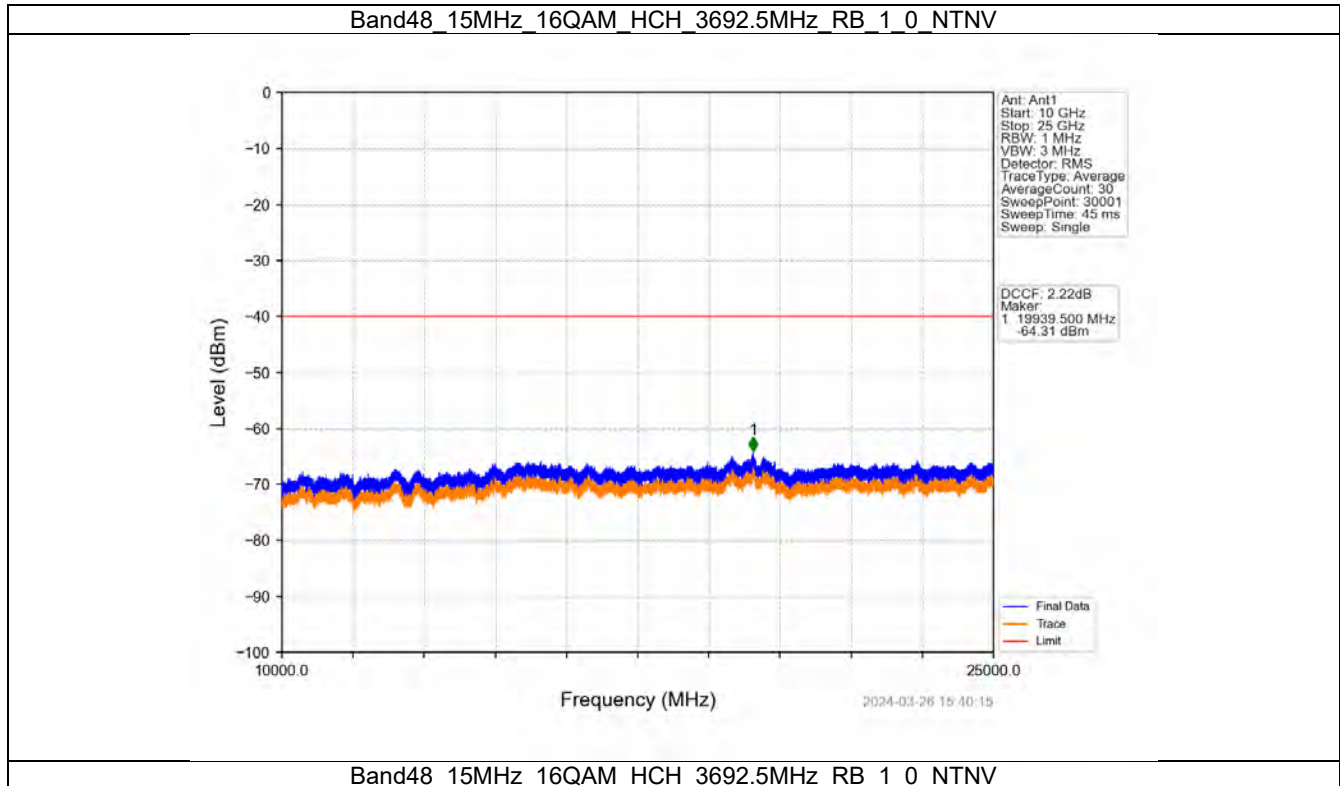


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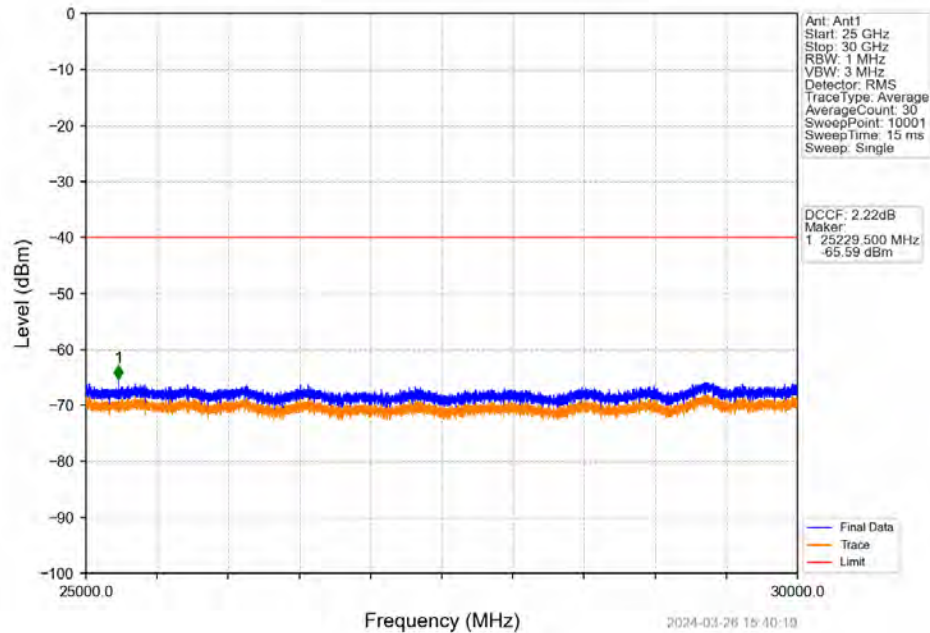


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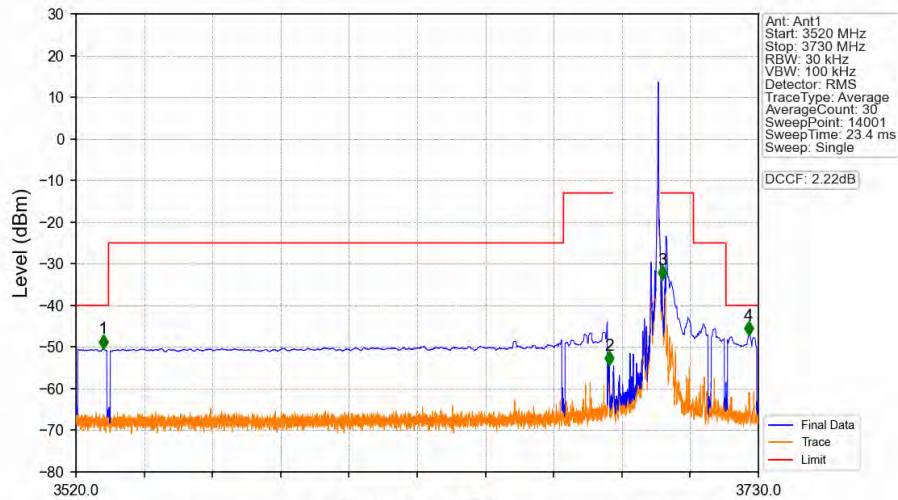
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Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.007	1	CHP	1	3528.400	-50.41	-40	Pass
3684.007	3685.007	0.03	/	2	3684.115	-54.48	-13	Pass
3685.007	3699.994	0.03	/	/	/	/	/	/
3699.994	3700.994	0.03	/	3	3700.345	-33.87	-13	Pass
3700.994	3730	1	CHP	4	3726.970	-47.19	-40	Pass

Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



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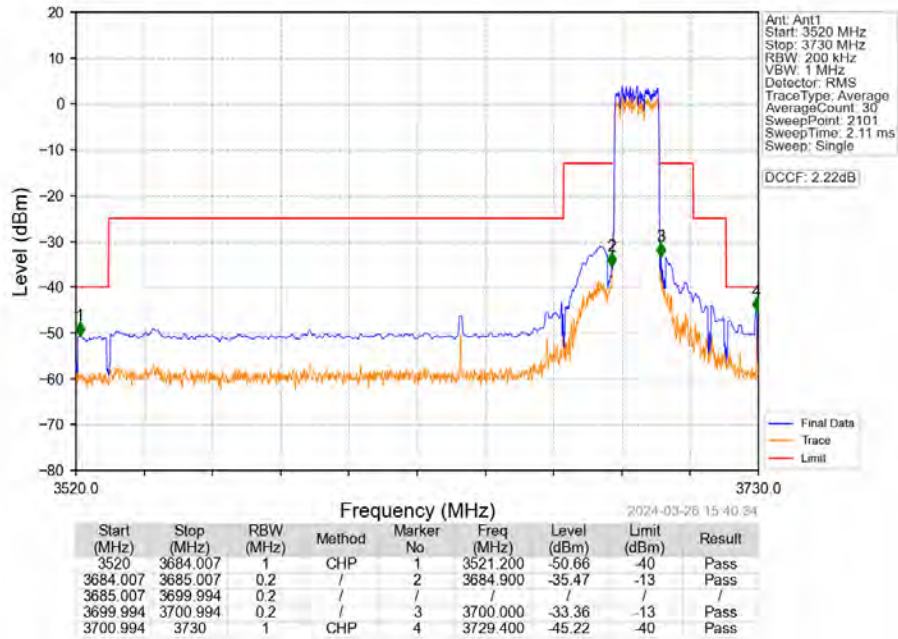


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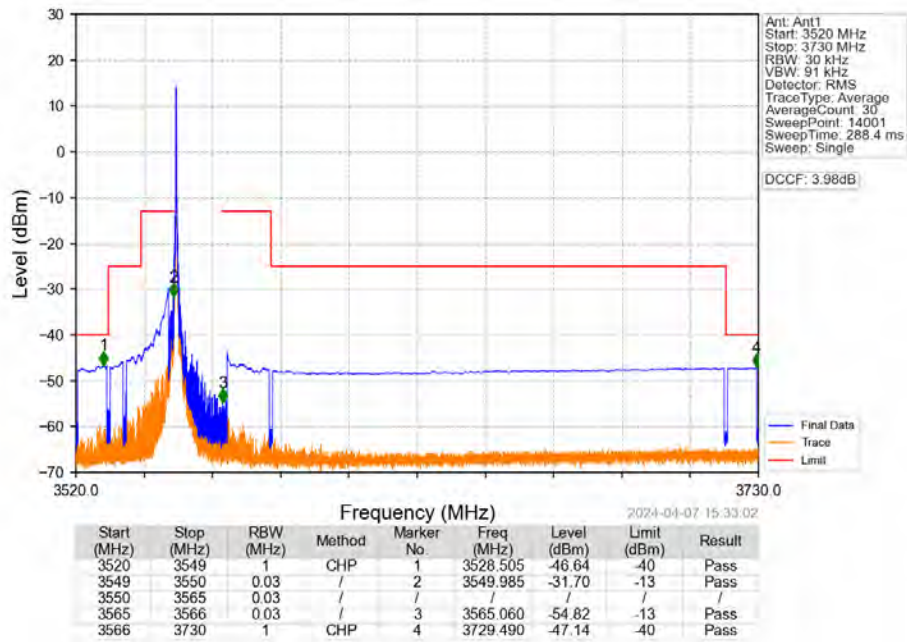
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Band48_15MHz_64QAM_LCH_3557.5MHz_RB_1_0_NTNV



Band48_15MHz_64QAM_LCH_3557.5MHz_RB_1_0_NTNV



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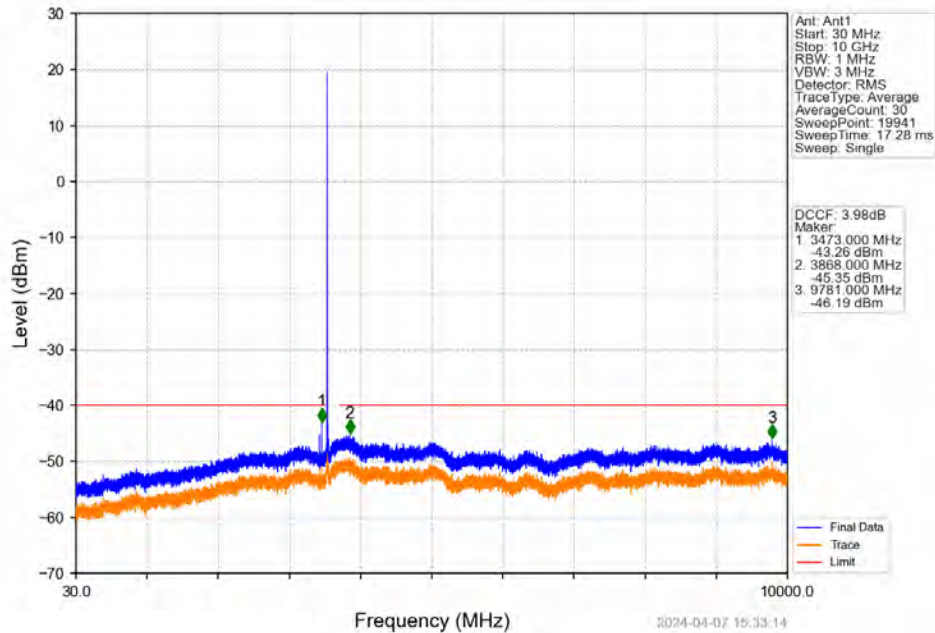


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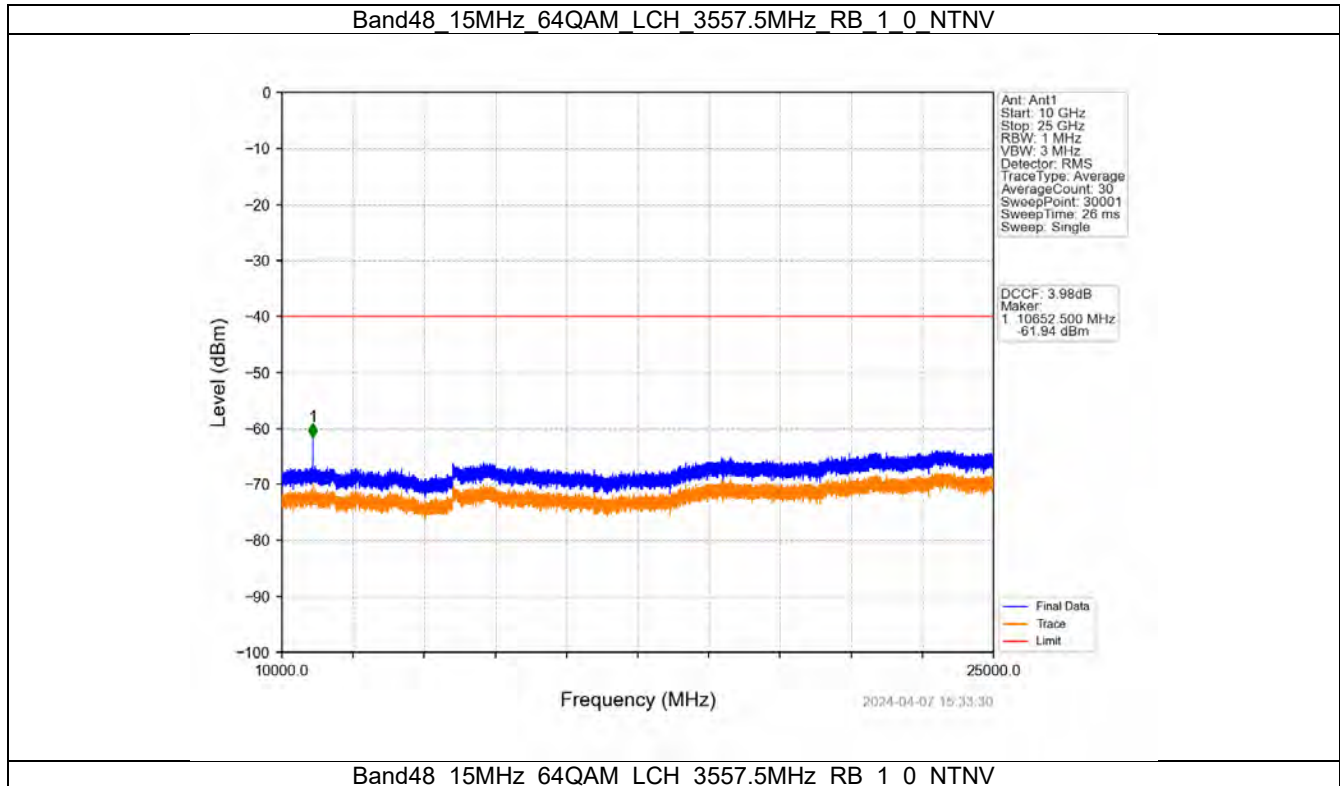


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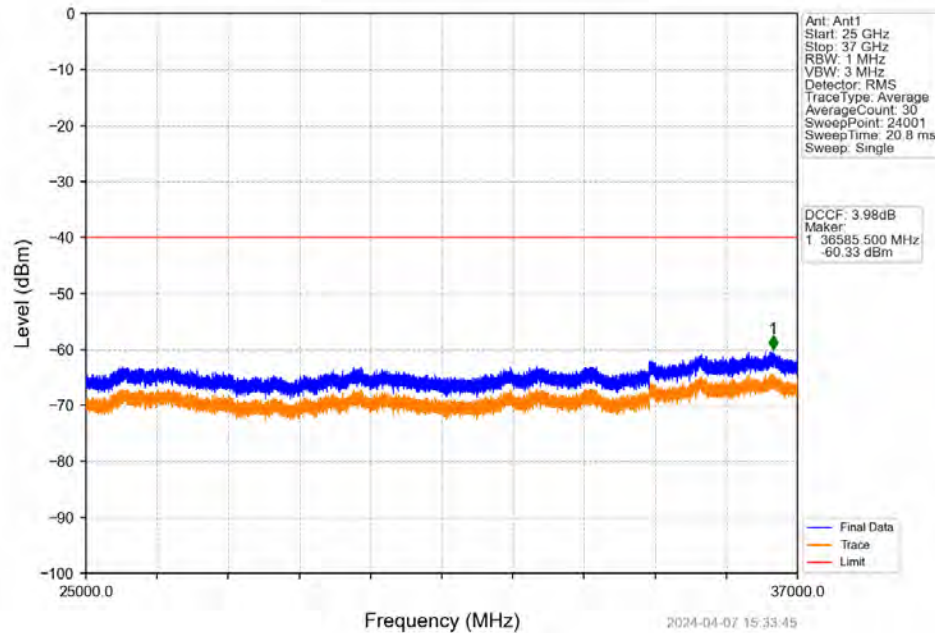


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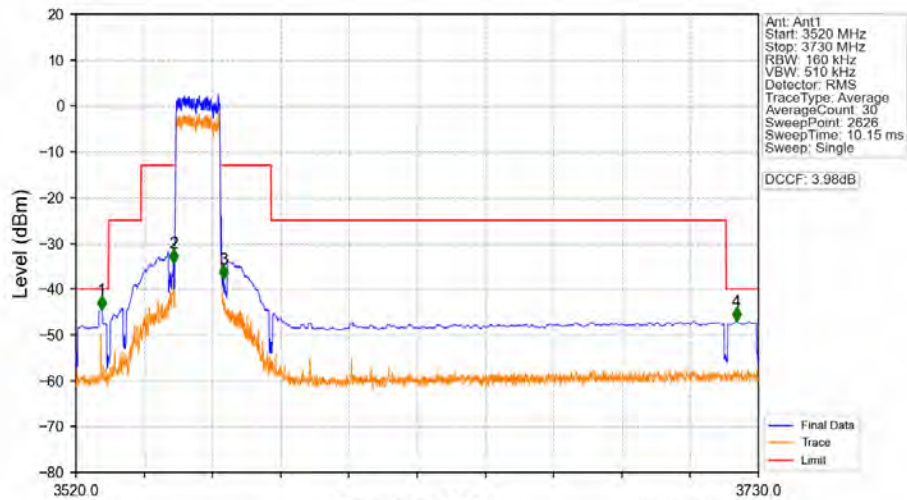
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Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Band48_15MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



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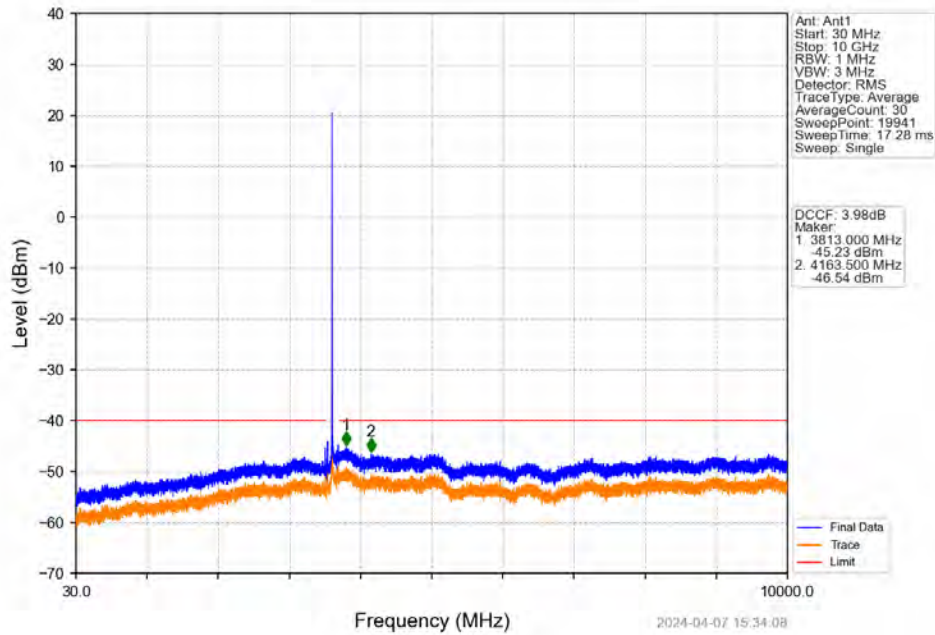


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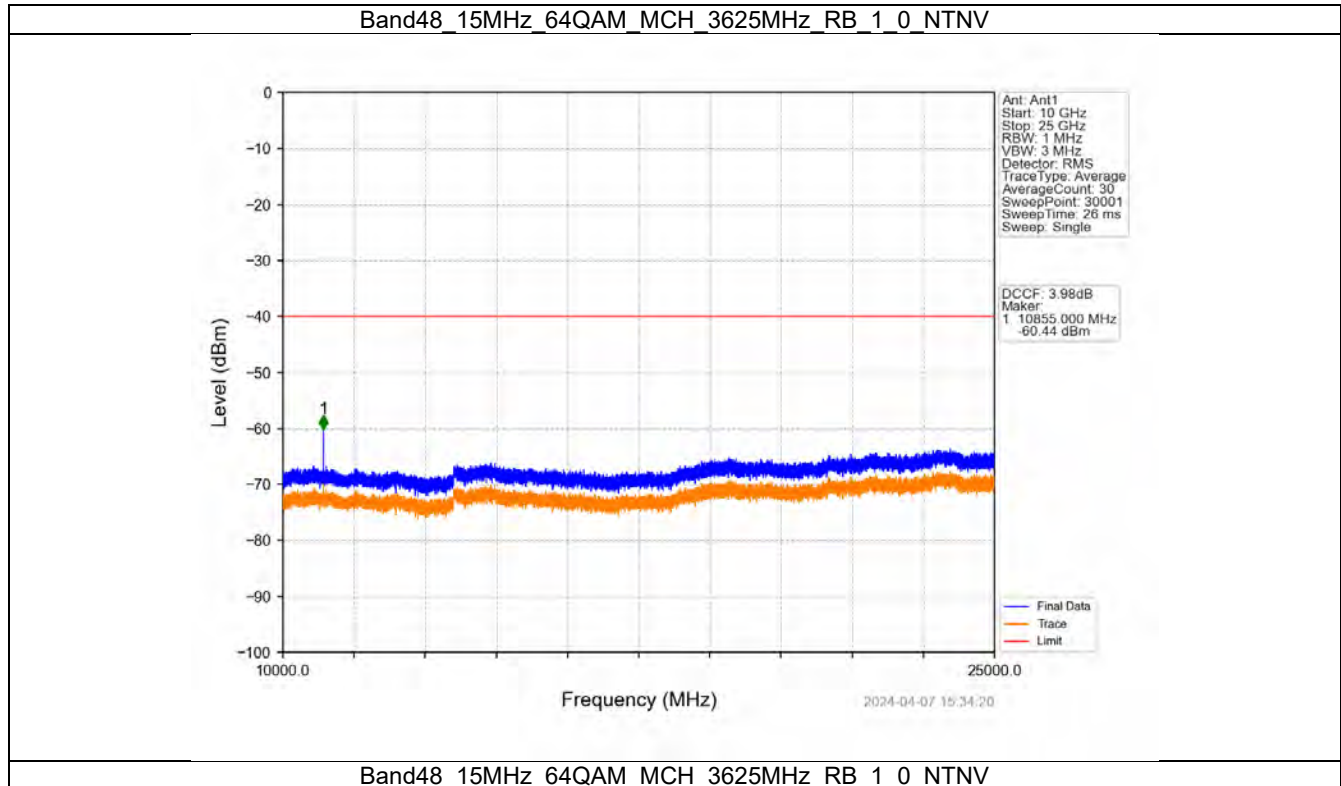


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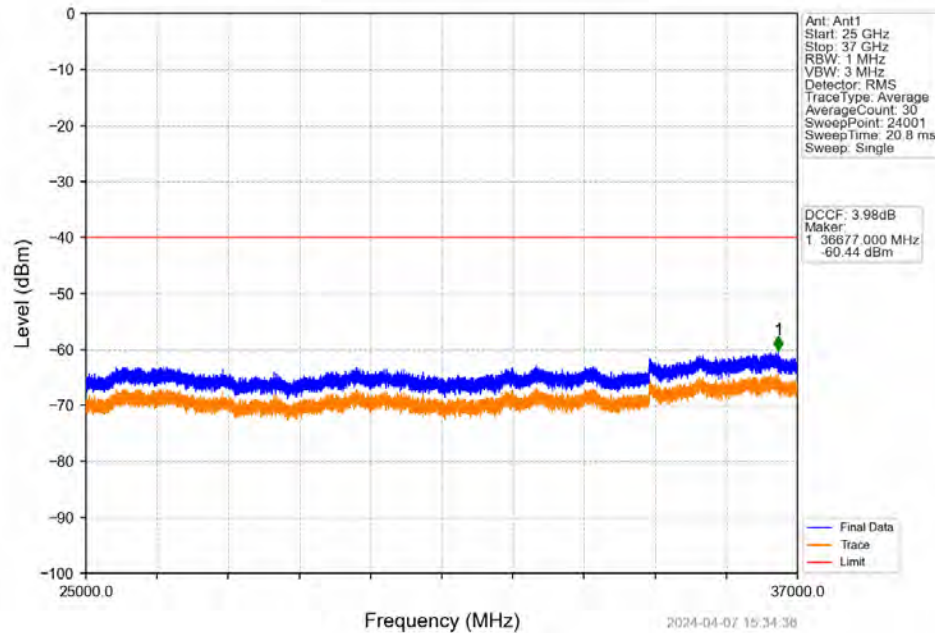


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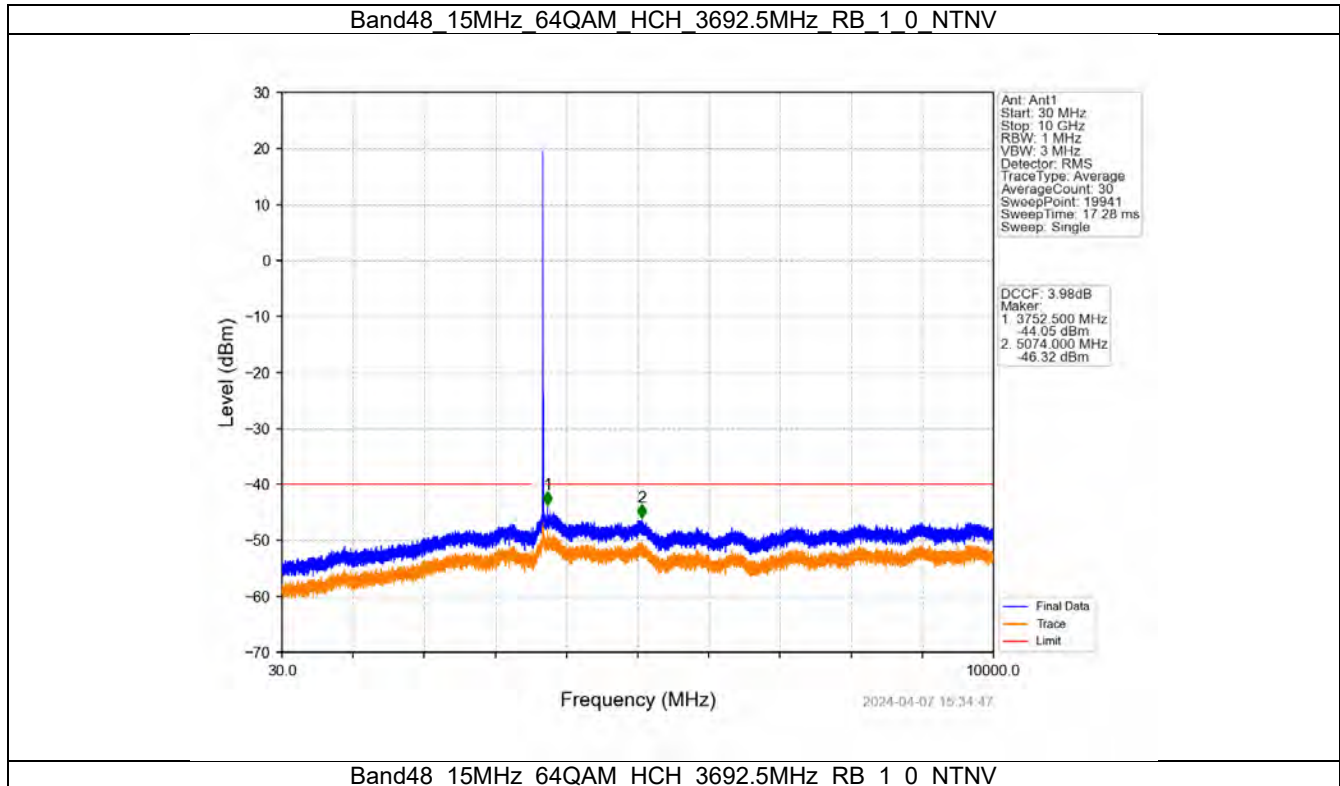


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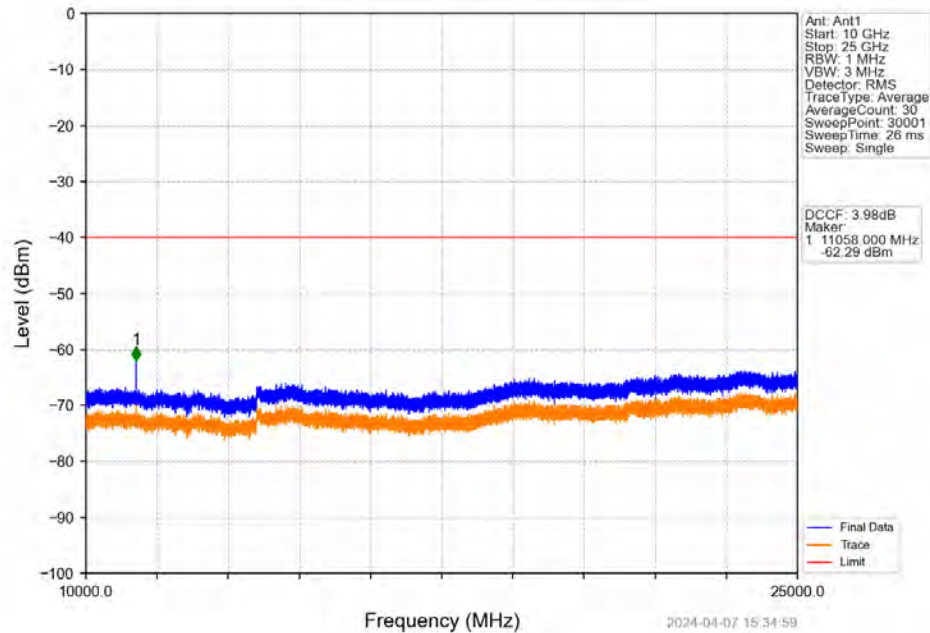


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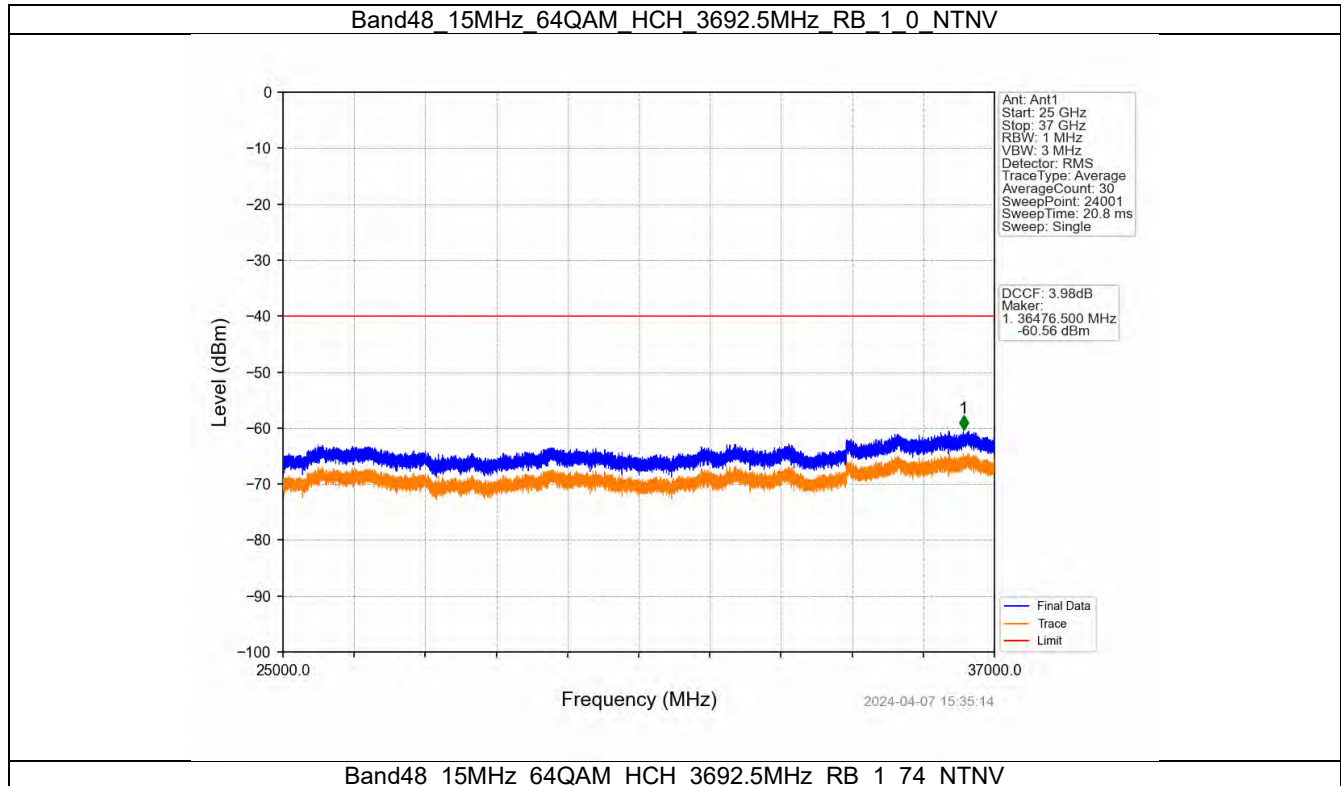


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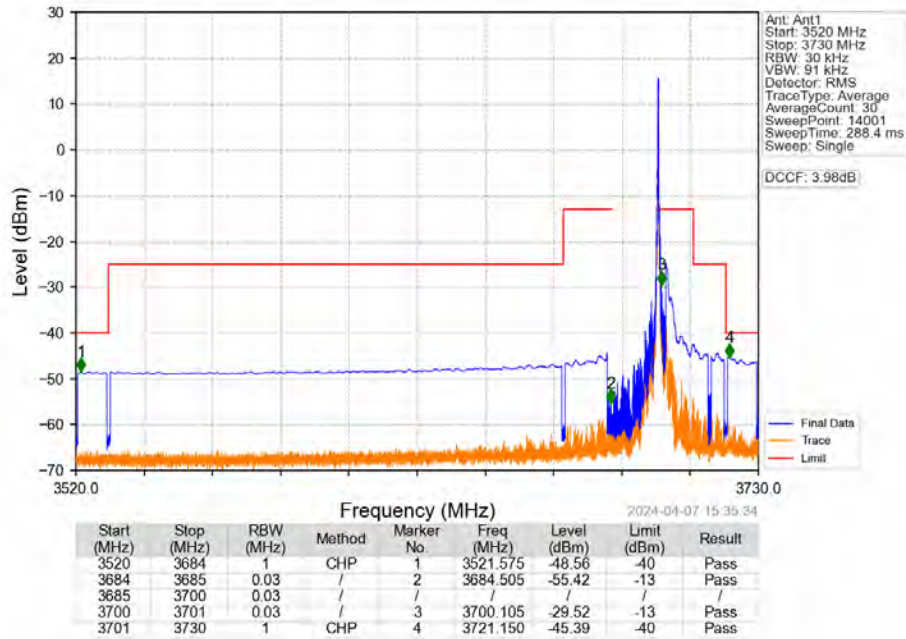


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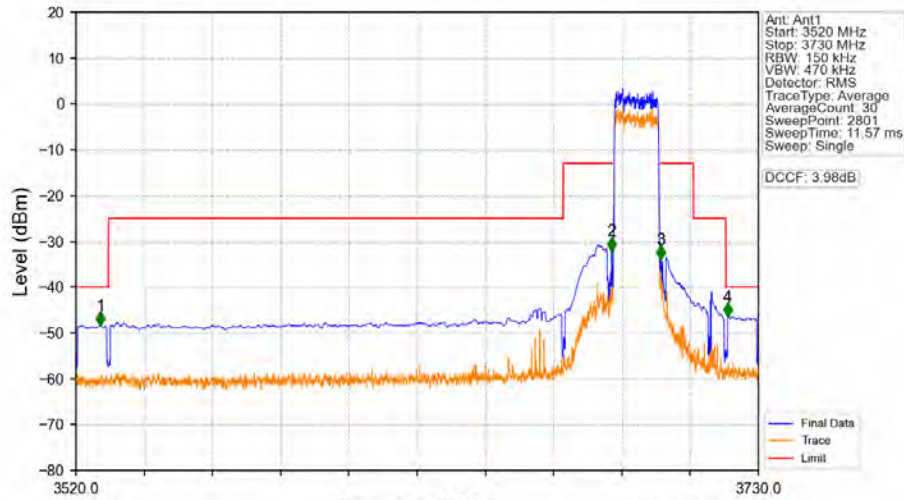
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Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684	1	CHP	1	3527.500	-48.38	-40	Pass
3684	3685	0.15	/	2	3684.850	-32.14	-13	Pass
3685	3700	0.15	/	/	/	/	/	/
3700	3701	0.15	/	3	3700.000	-33.92	-13	Pass
3701	3730	1	CHP	4	3720.550	-46.48	-40	Pass



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5.4 B48_20MHz

5.4.1 Test Result

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



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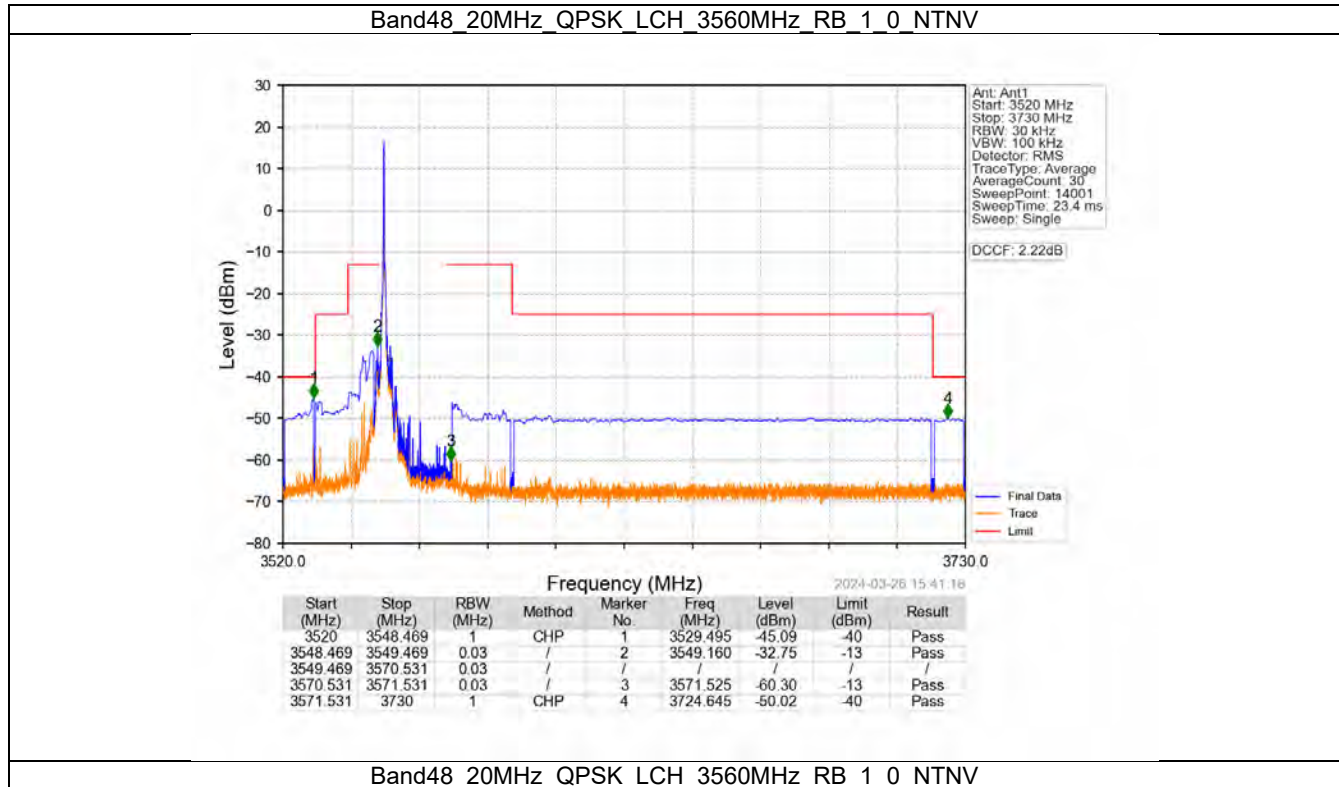
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5.4.2 Test Graph



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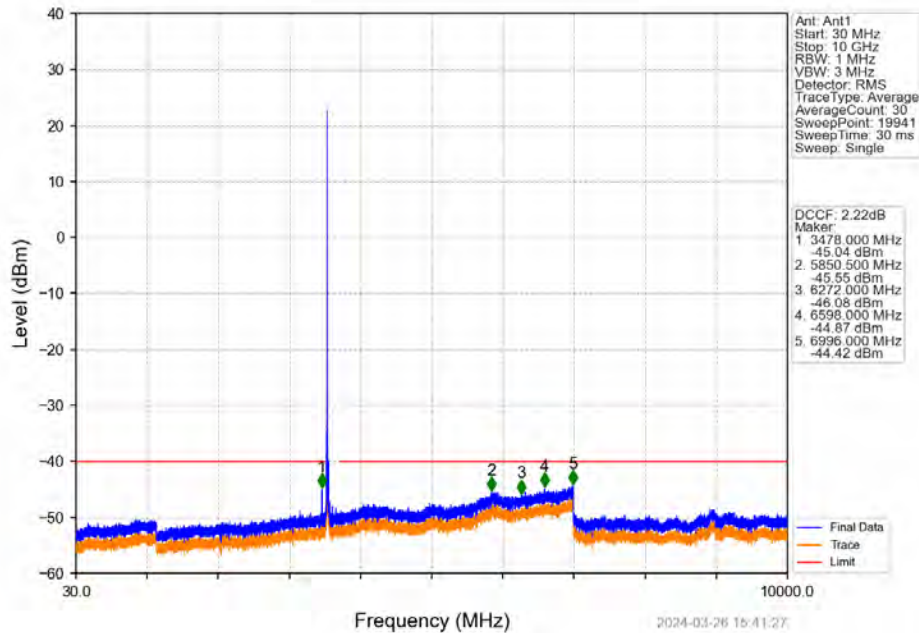


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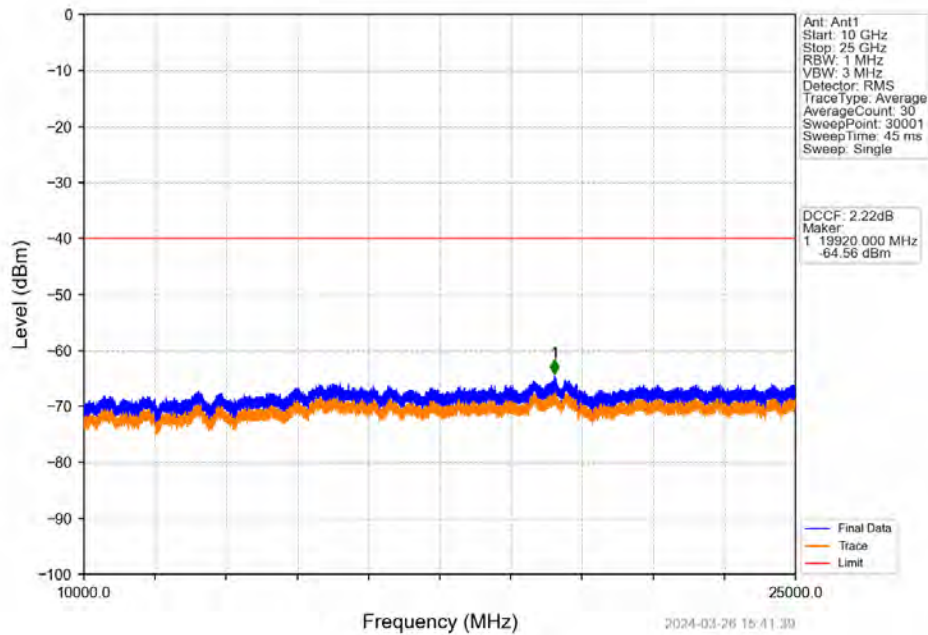
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Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



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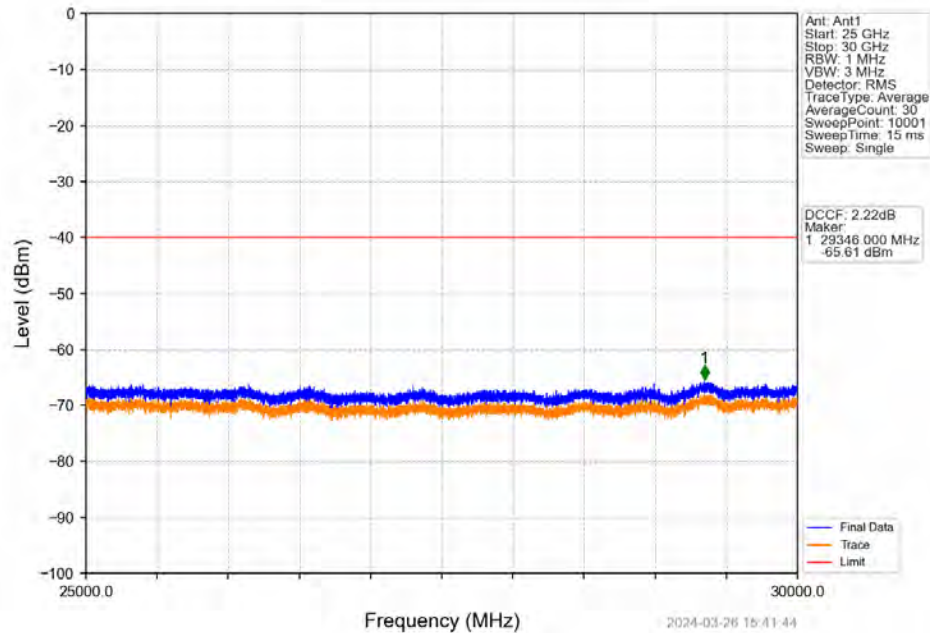


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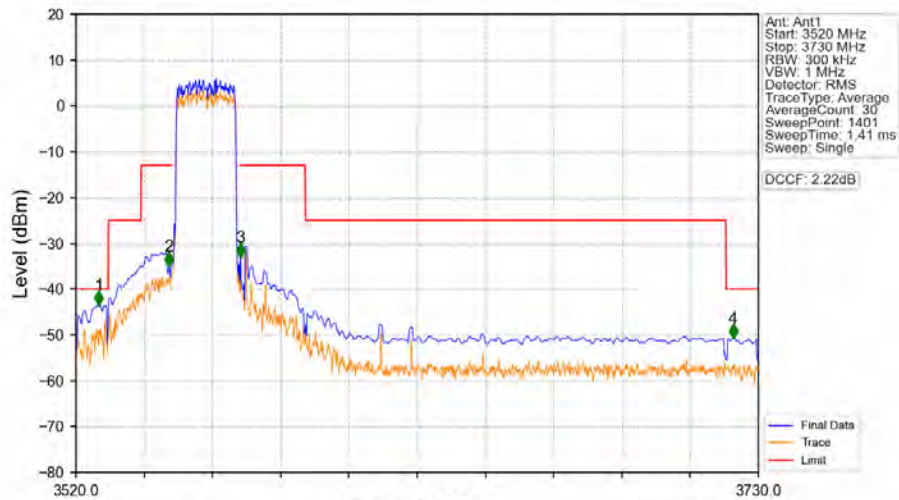
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Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.469	1	CHP	1	3527.050	-43.49	-40	Pass
3548.469	3549.469	0.3	/	2	3548.650	-35.07	-13	Pass
3549.469	3570.531	0.3	/	/	/	/	/	/
3570.531	3571.531	0.3	/	3	3570.550	-33.07	-13	Pass
3571.531	3730	1	CHP	4	3722.200	-50.71	-40	Pass

Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTNV



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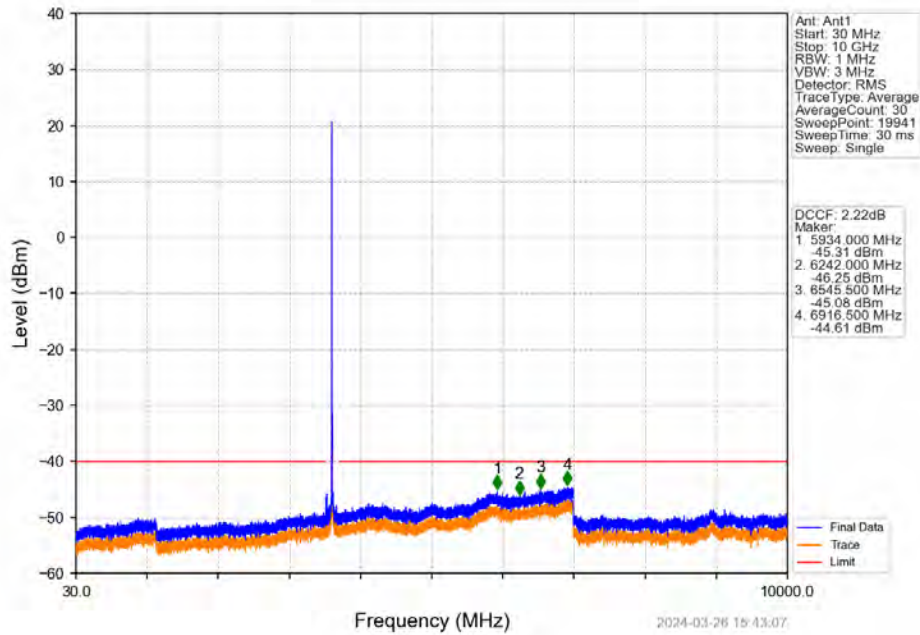


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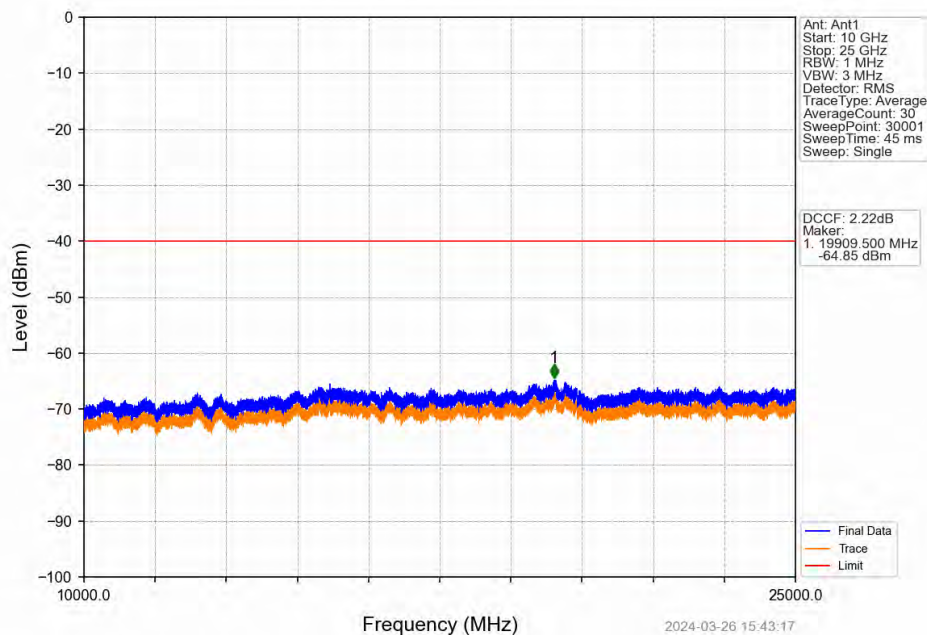
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Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



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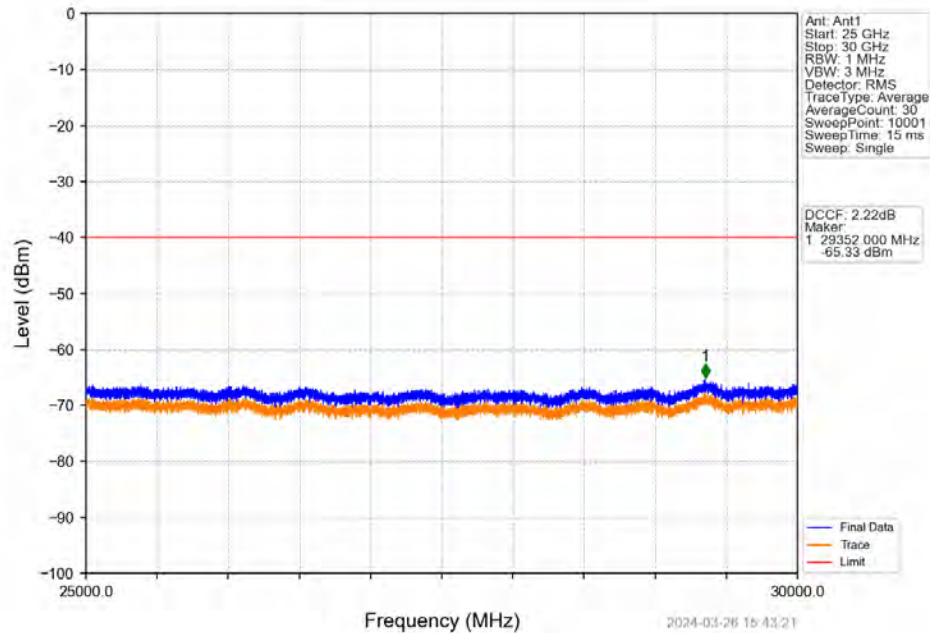


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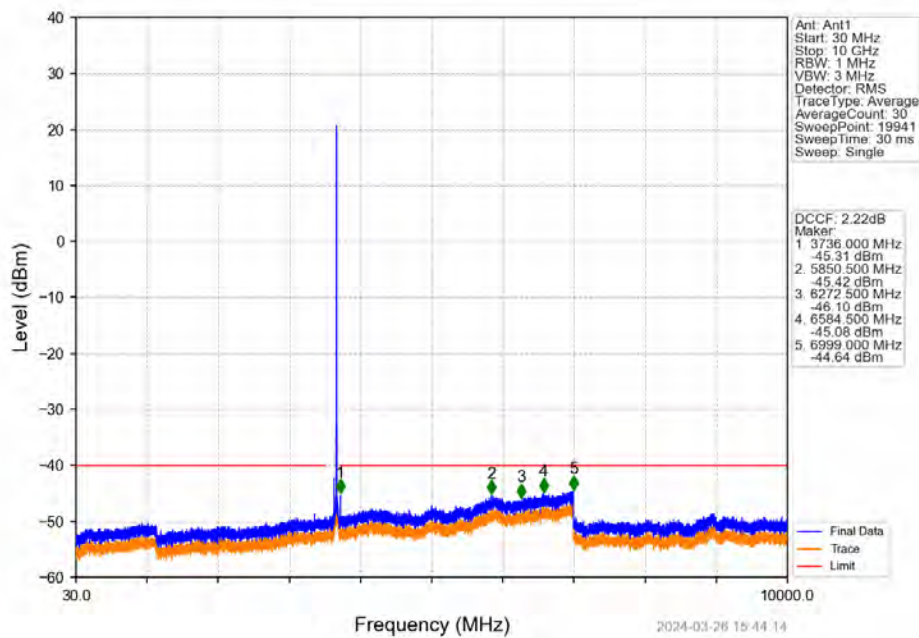
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Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



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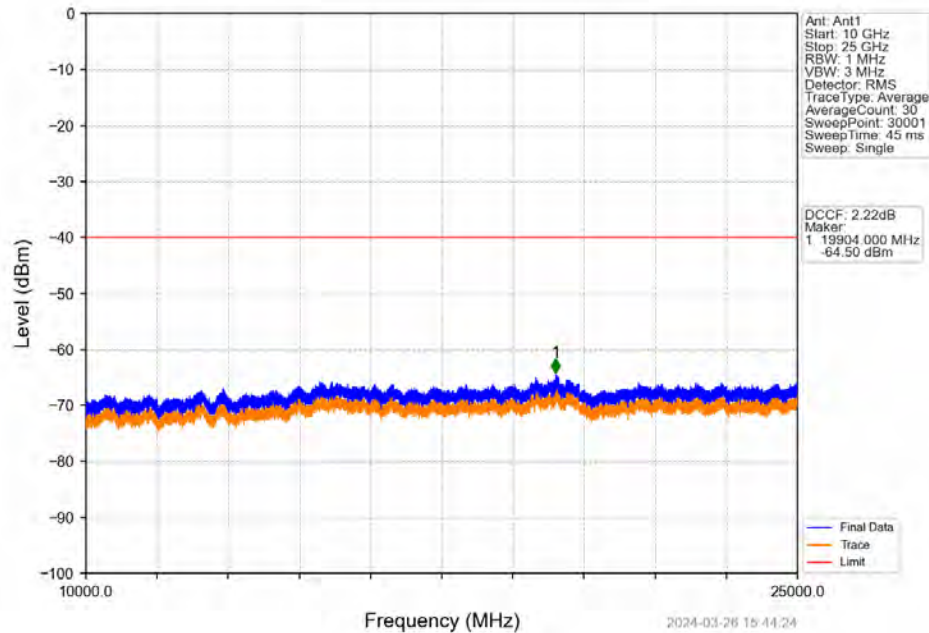


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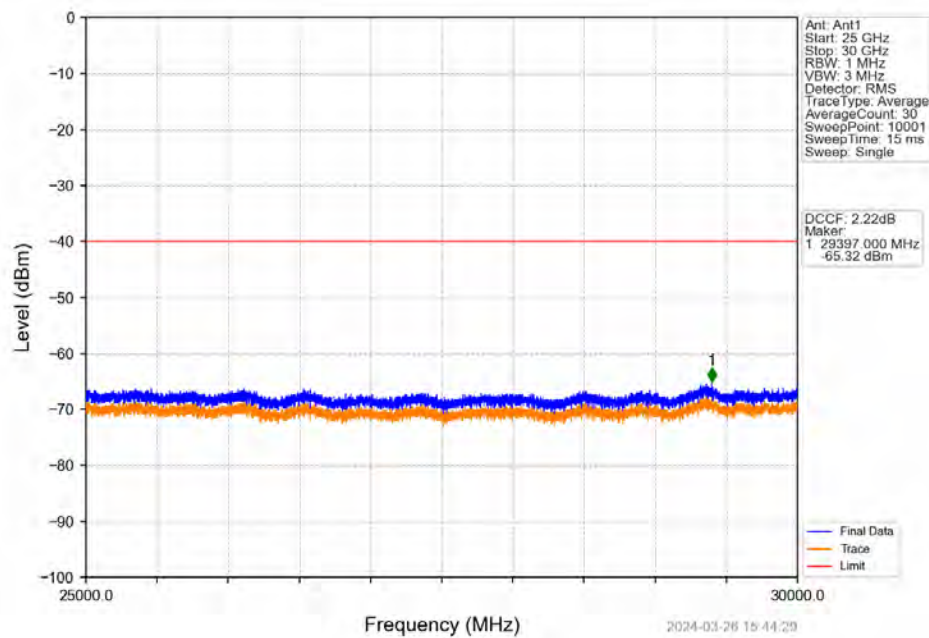
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Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



Band48_20MHz_QPSK_HCH_3690MHz_RB_1_99_NTNV



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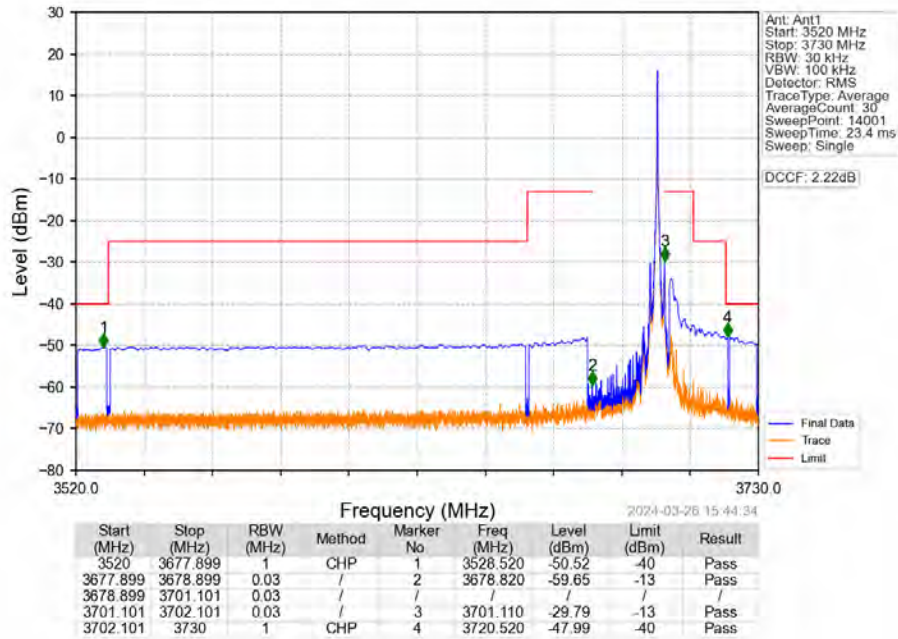


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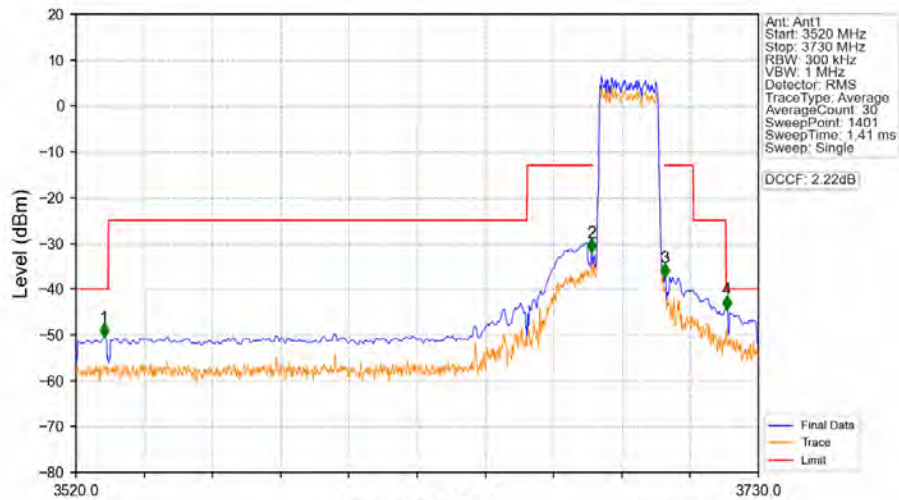
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Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3677.899	1	CHP	1	3528.700	-50.55	-40	Pass
3677.899	3678.899	0.3	/	2	3678.700	-32.09	-13	Pass
3678.899	3701.101	0.3	/	/	/	/	/	/
3701.101	3702.101	0.3	/	3	3701.200	-37.50	-13	Pass
3702.101	3730	1	CHP	4	3720.250	-44.46	-40	Pass

Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



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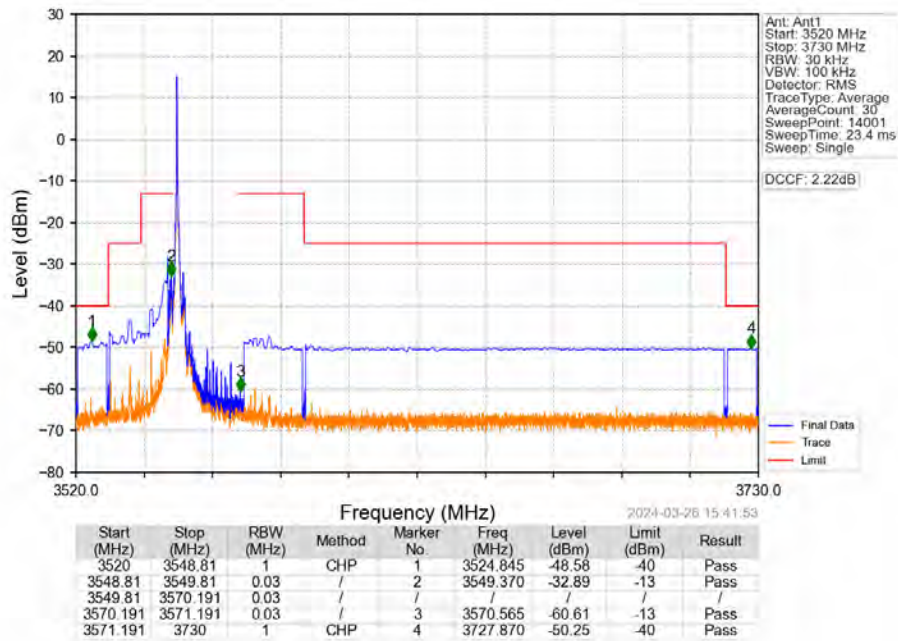


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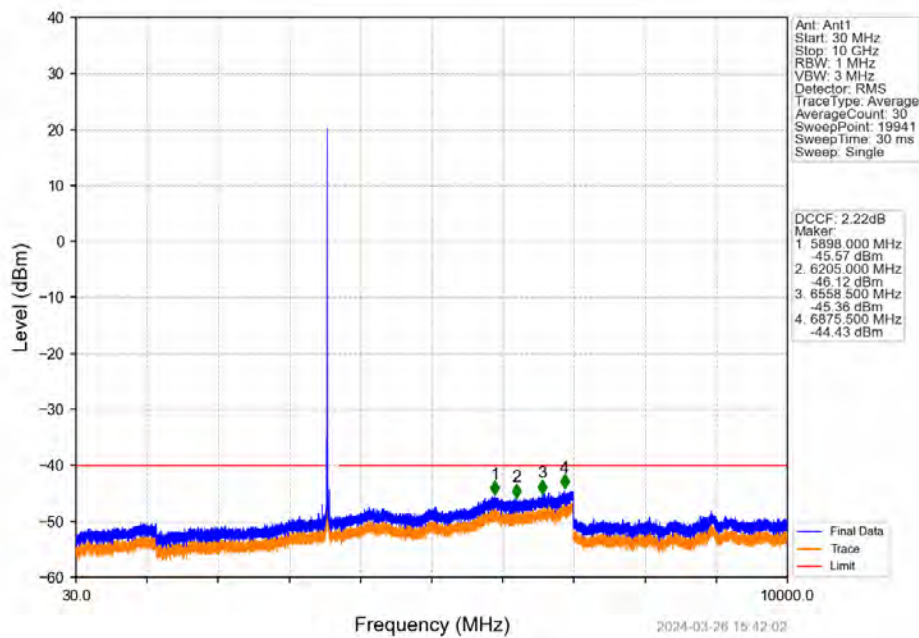
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Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



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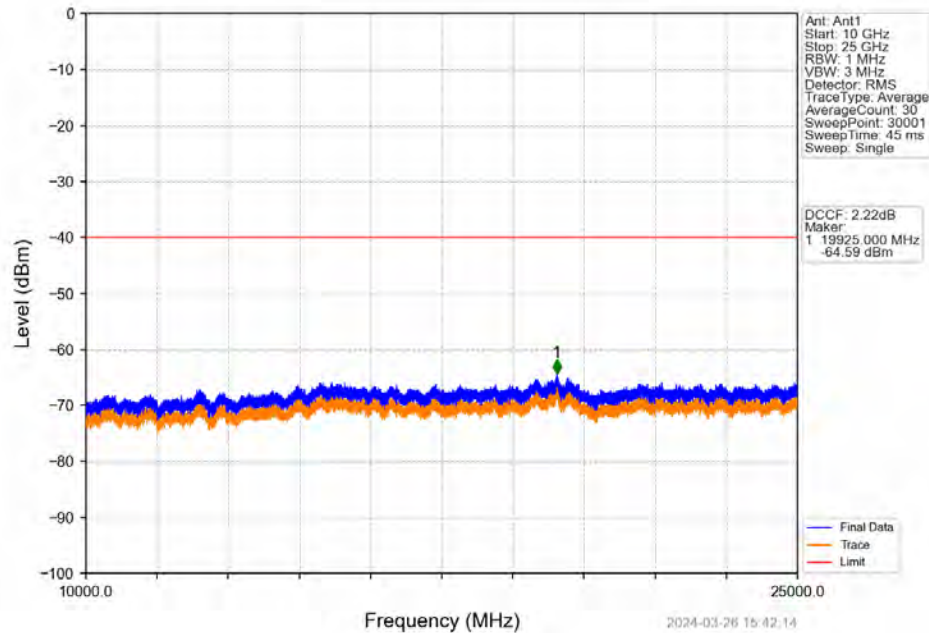


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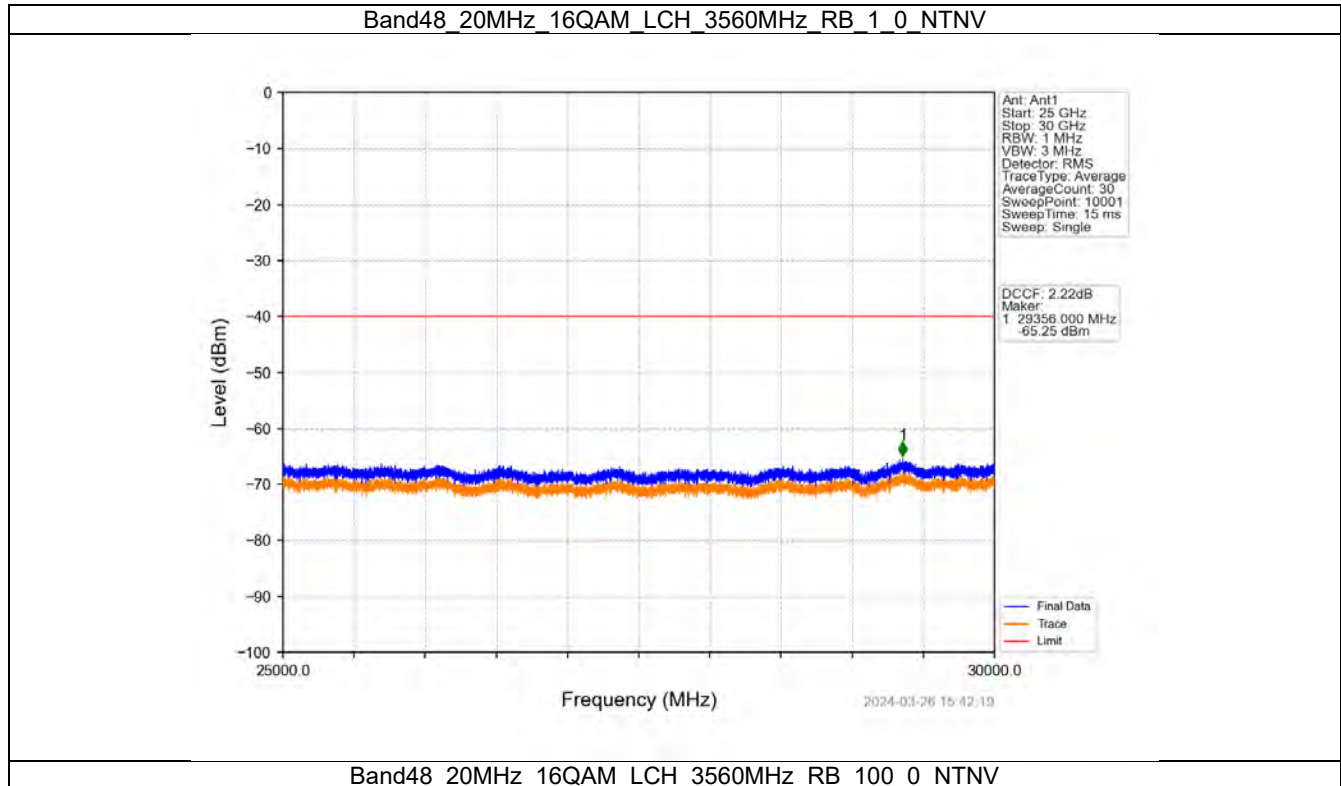


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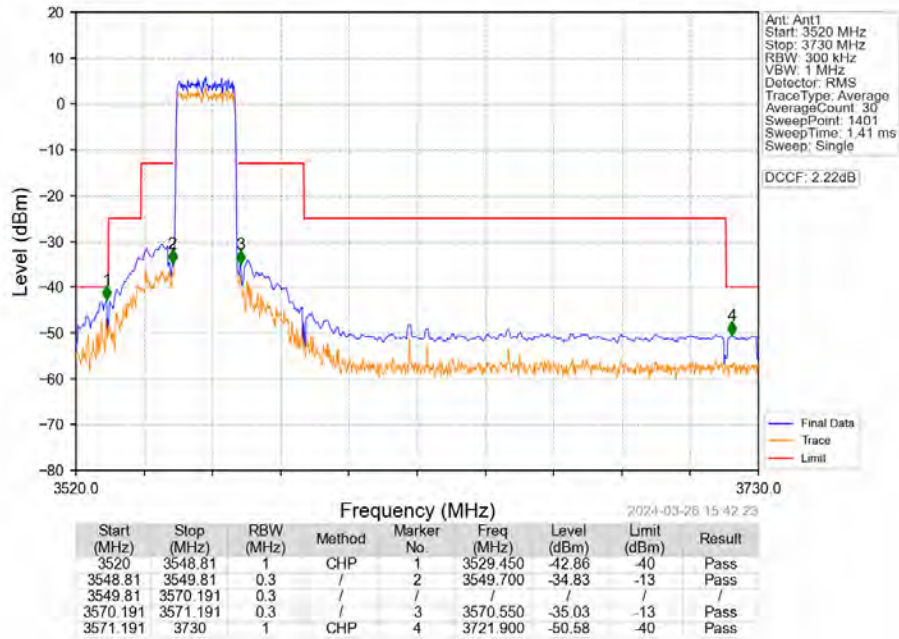


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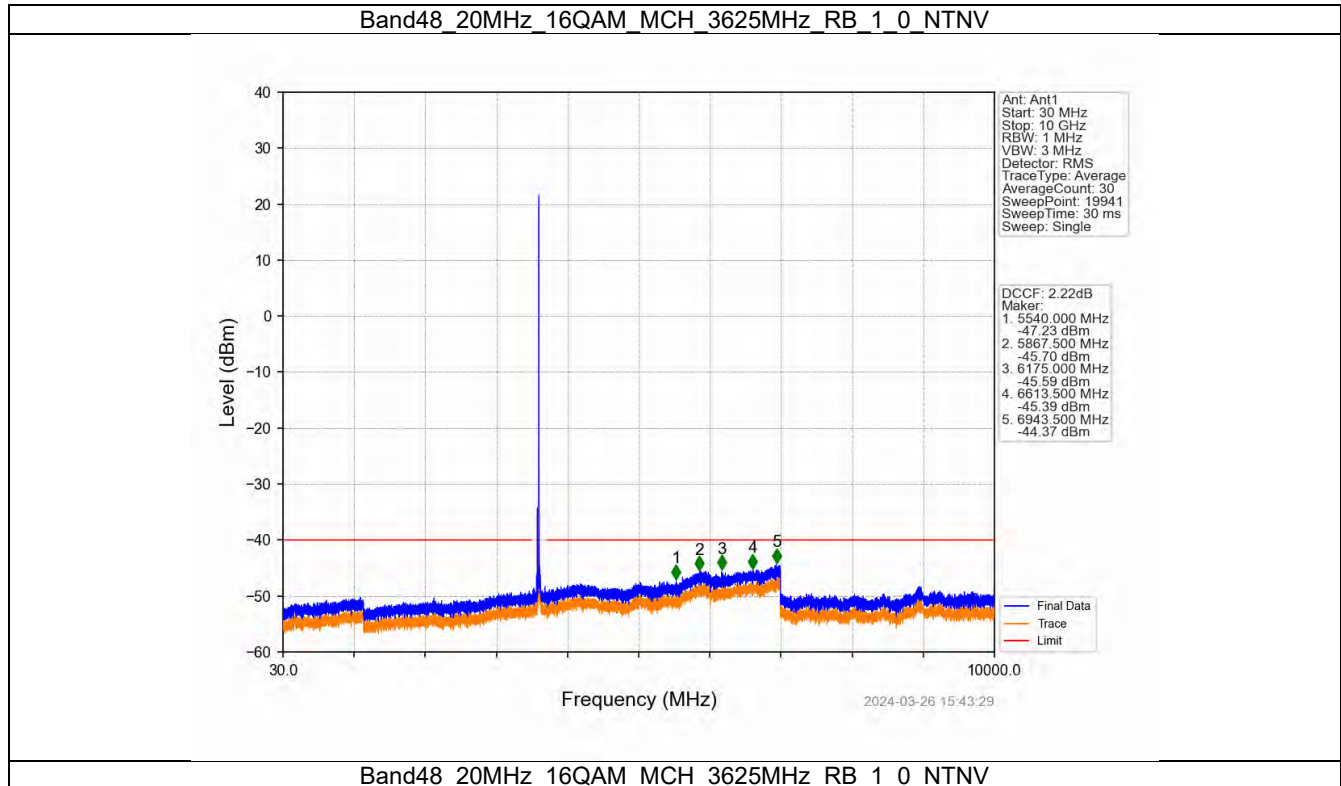


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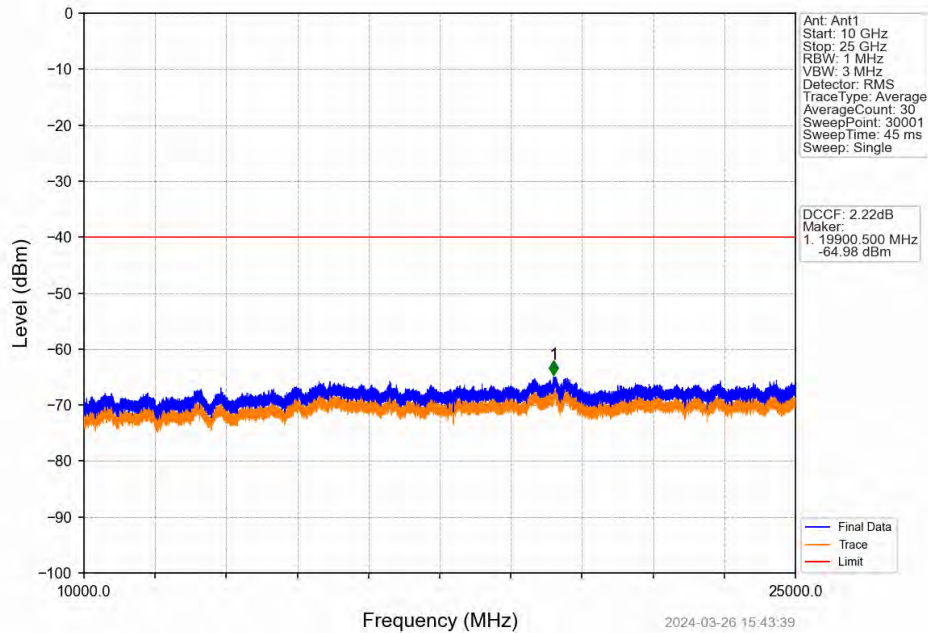


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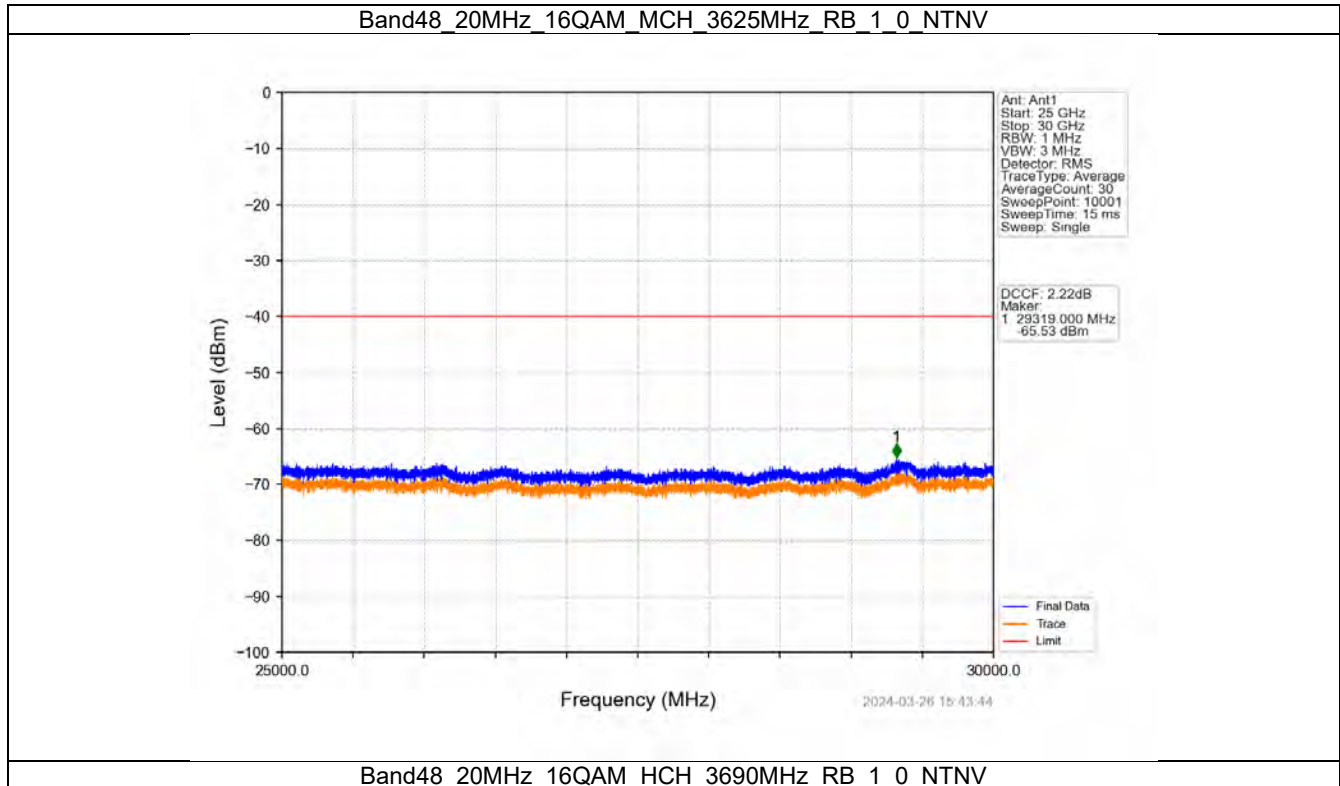


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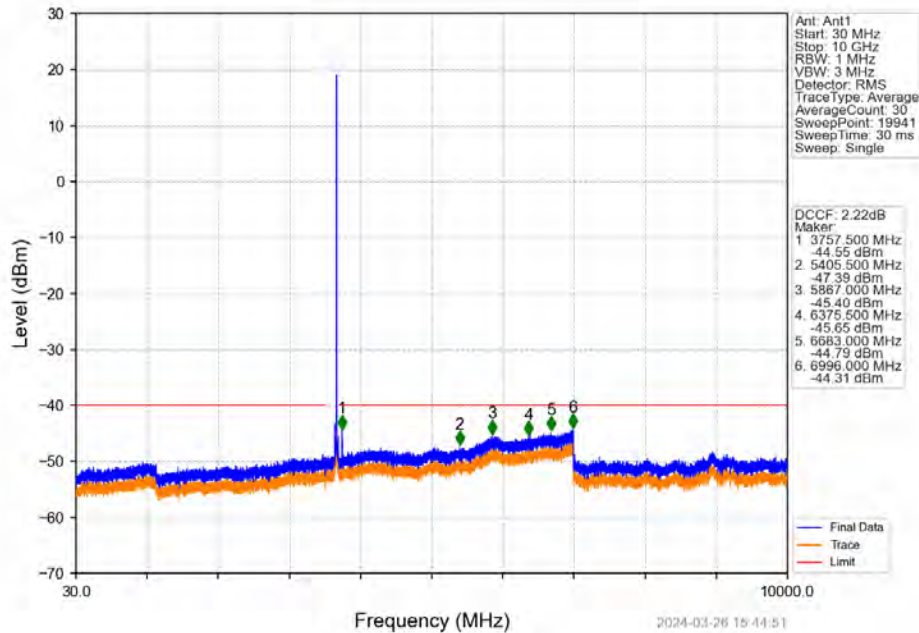


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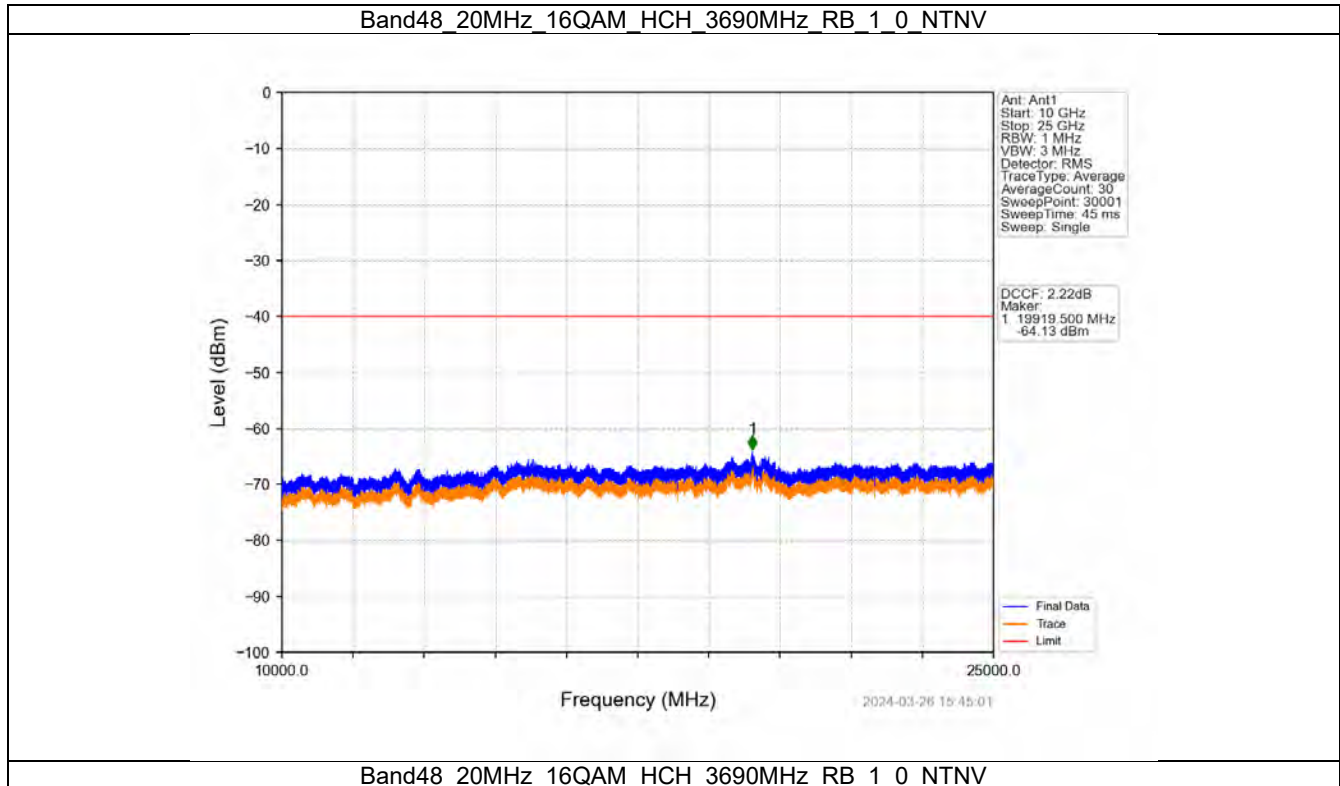


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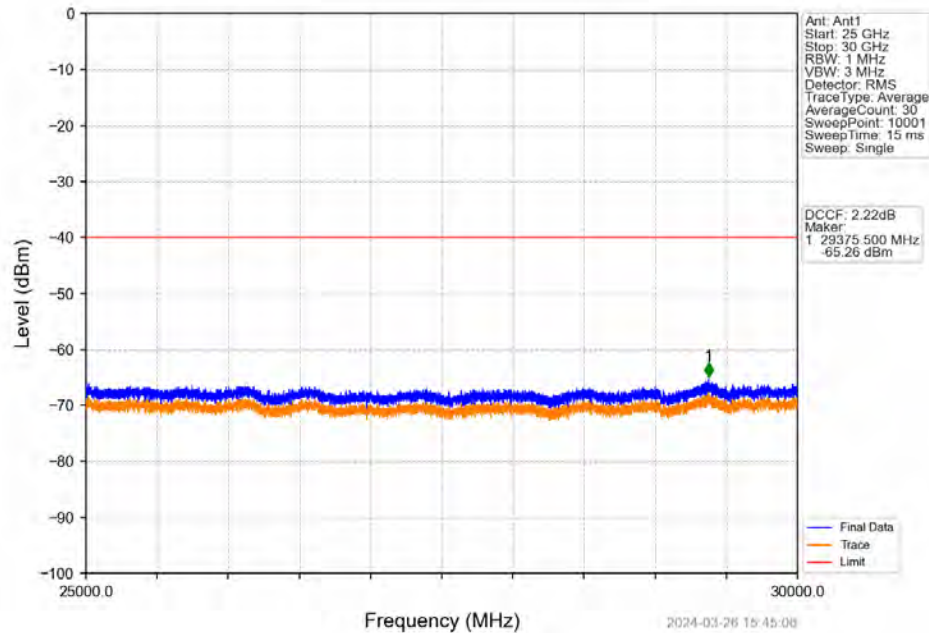


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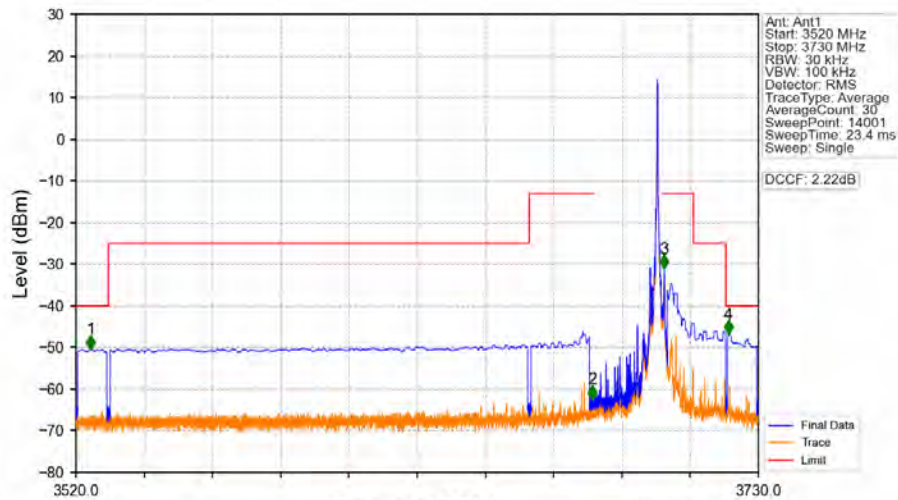
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Band48_20MHz_16QAM_HCH_3690MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3678.509	1	CHP	1	3524.545	-50.42	-40	Pass
3678.509	3679.509	0.03	/	2	3678.820	-62.45	-13	Pass
3679.509	3700.492	0.03	/	/	/	/	/	/
3700.492	3701.492	0.03	/	3	3701.065	-31.14	-13	Pass
3701.492	3730	1	CHP	4	3720.790	-46.86	-40	Pass

Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



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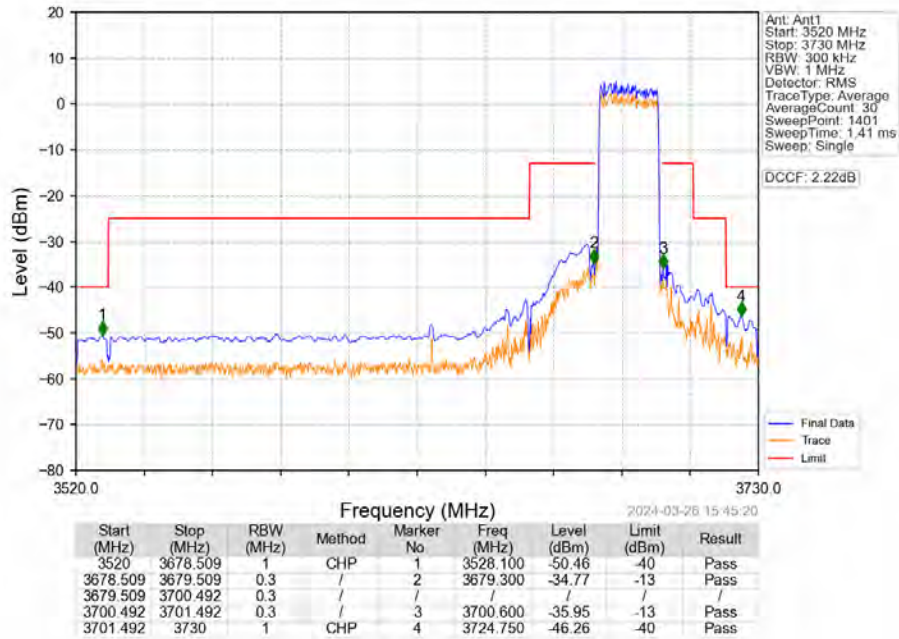


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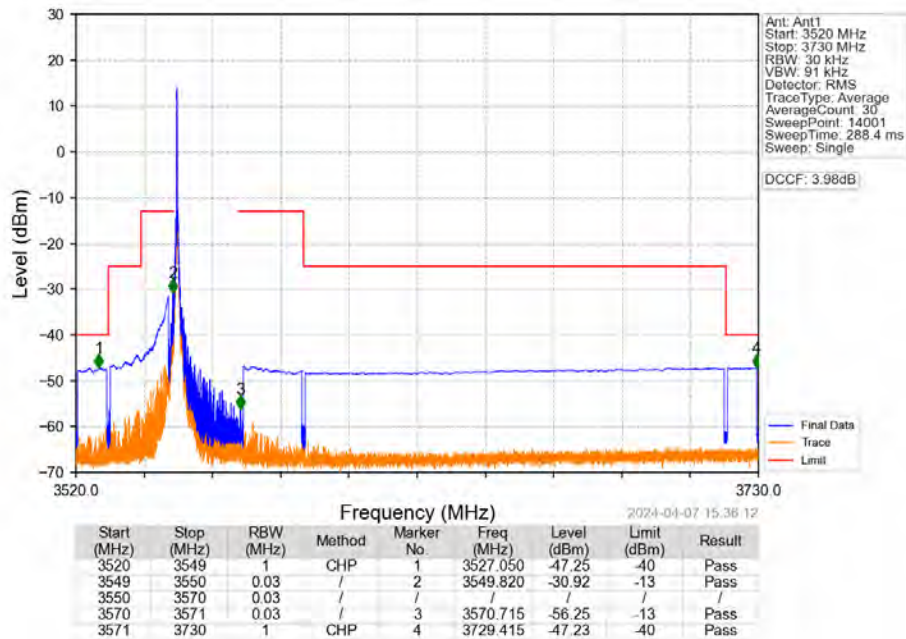
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Band48_20MHz_64QAM_LCH_3560MHz_RB_1_0_NTNV



Band48_20MHz_64QAM_LCH_3560MHz_RB_1_0_NTNV



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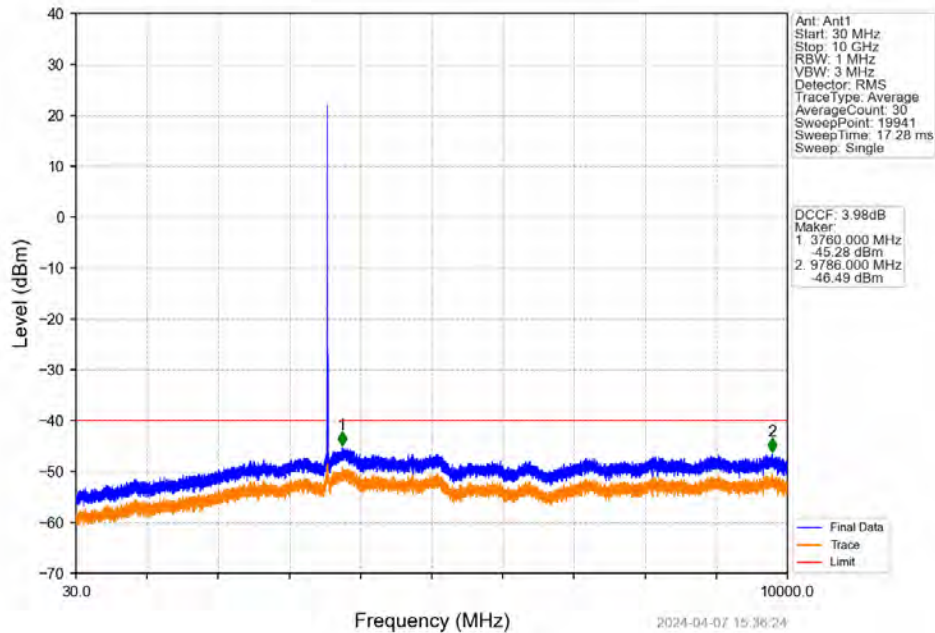


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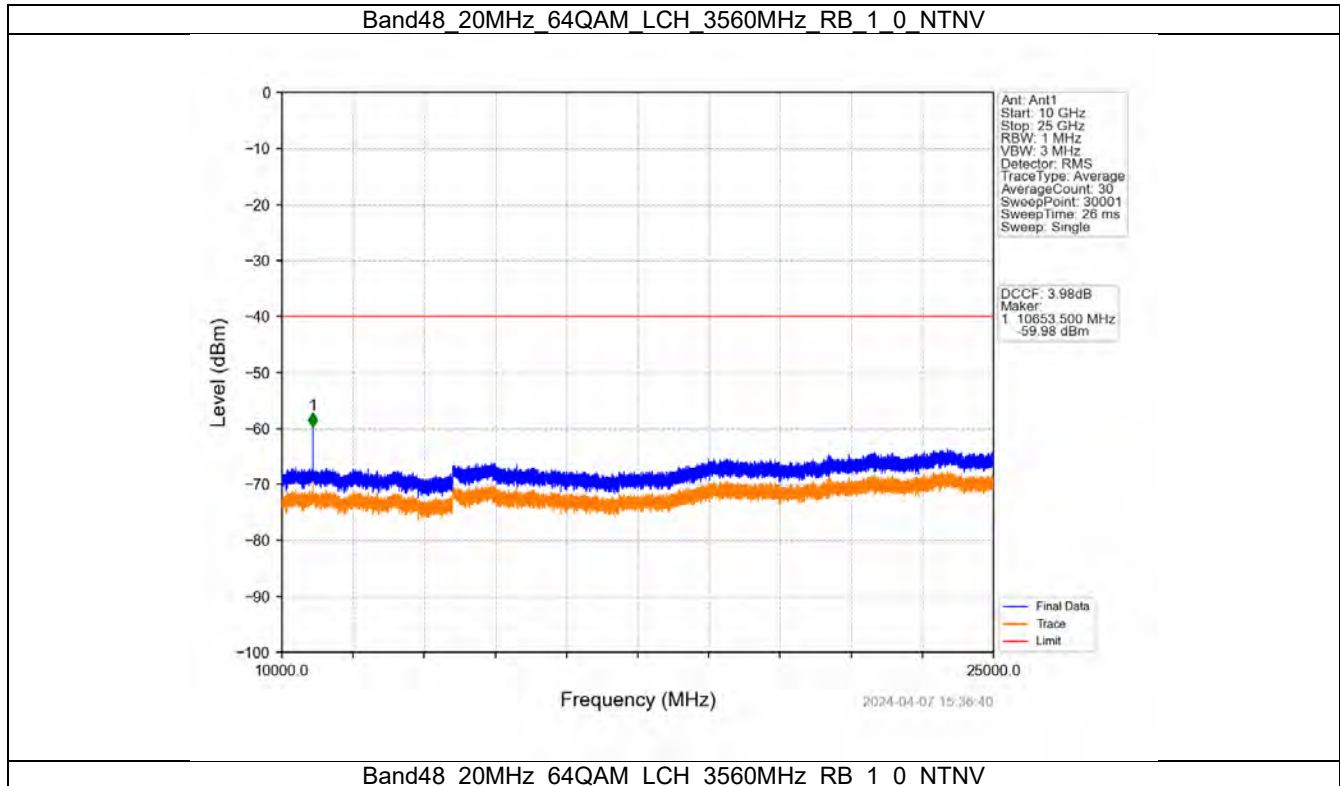


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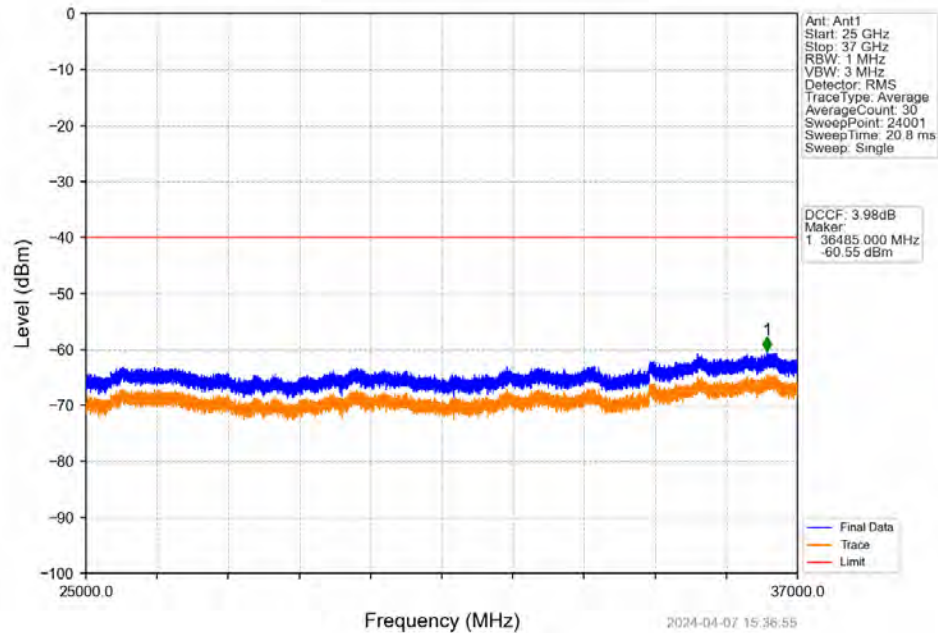


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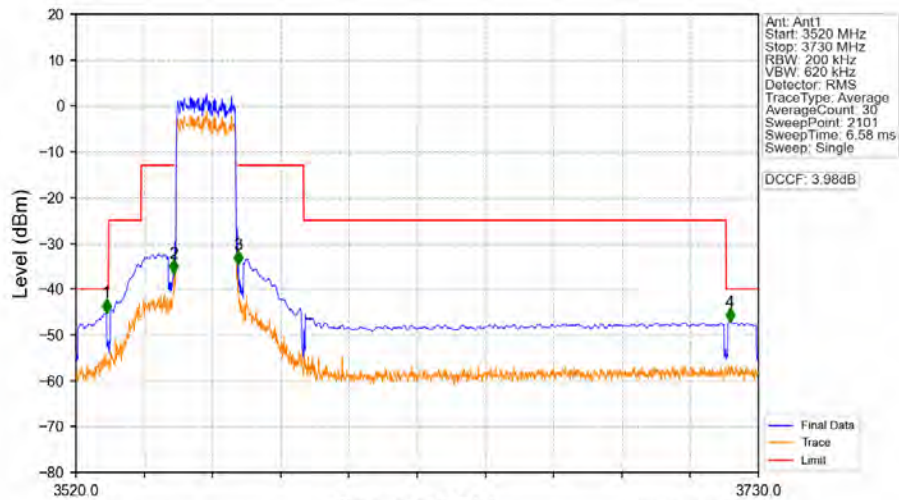
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3529.400	-45.18	-40	Pass
3549	3550	0.2	/	2	3550.000	-36.58	-13	Pass
3550	3570	0.2	/	/	/	/	/	/
3570	3571	0.2	/	3	3570.000	-34.69	-13	Pass
3571	3730	1	CHP	4	3721.300	-47.22	-40	Pass

Band48_20MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



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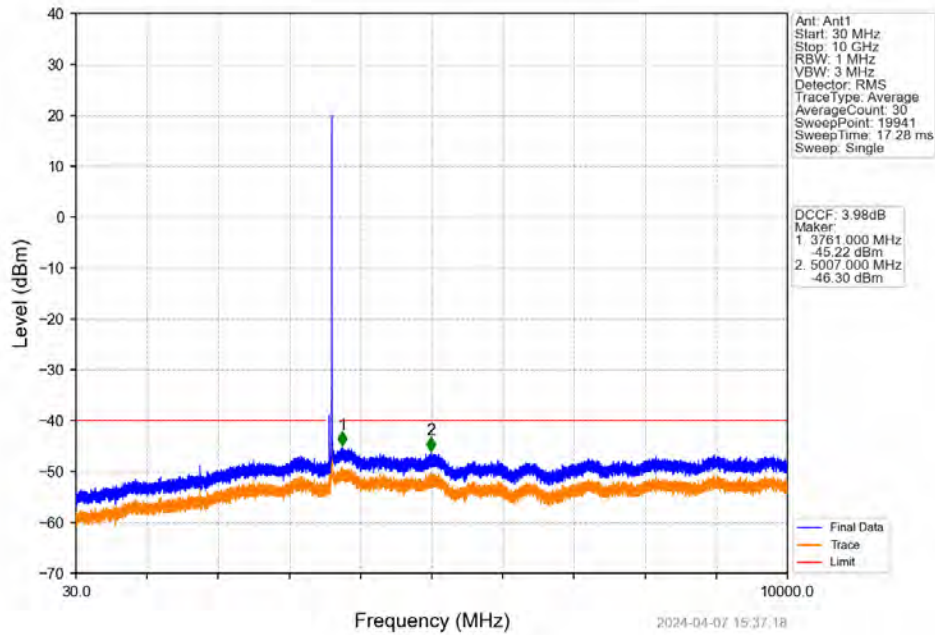


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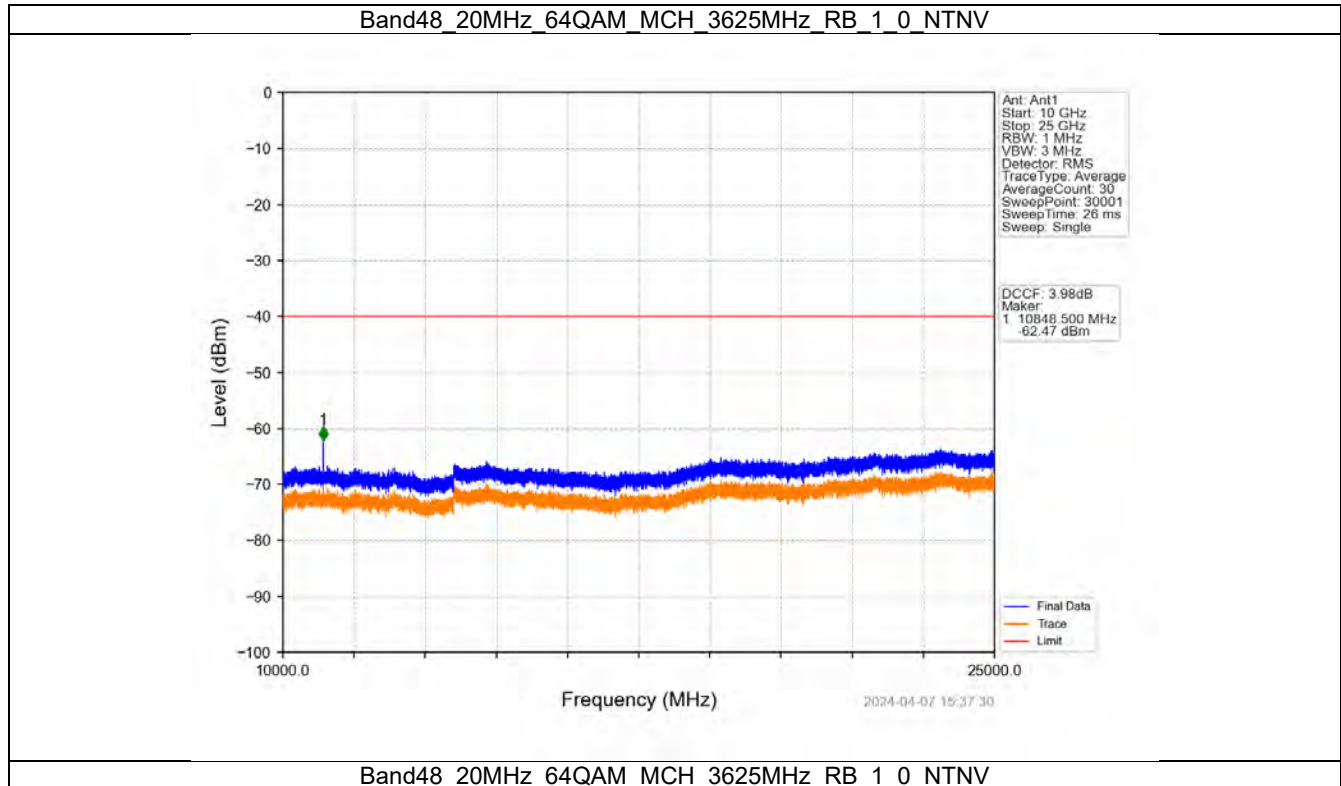


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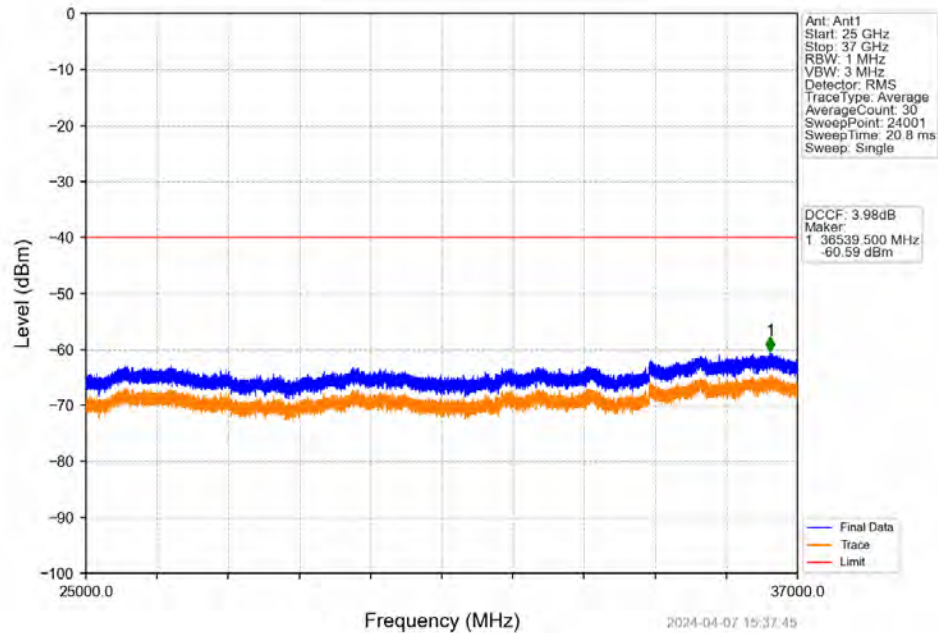


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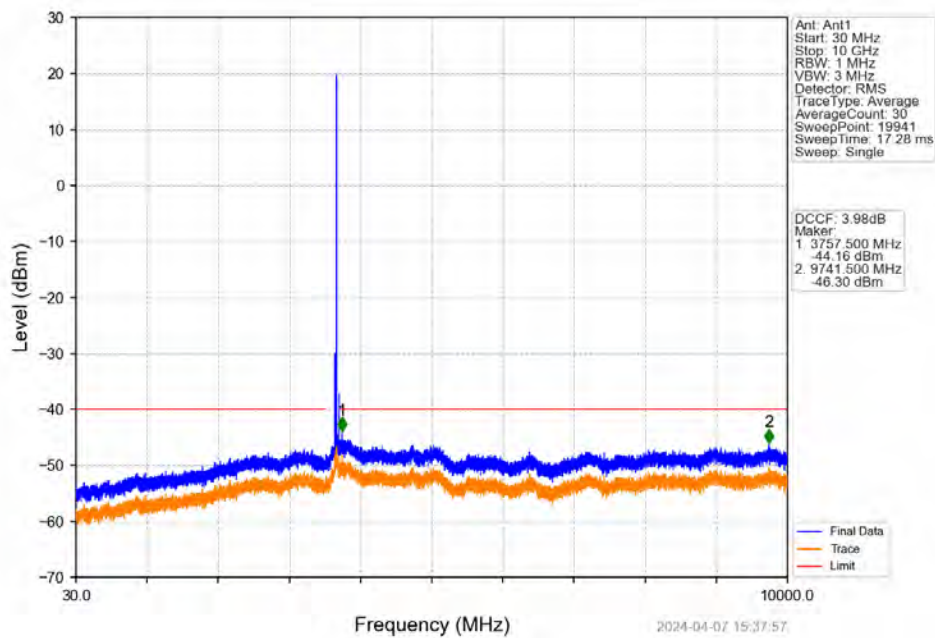
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Band48_20MHz_64QAM_HCH_3690MHz_RB_1_0_NTNV



Band48_20MHz_64QAM_HCH_3690MHz_RB_1_0_NTNV



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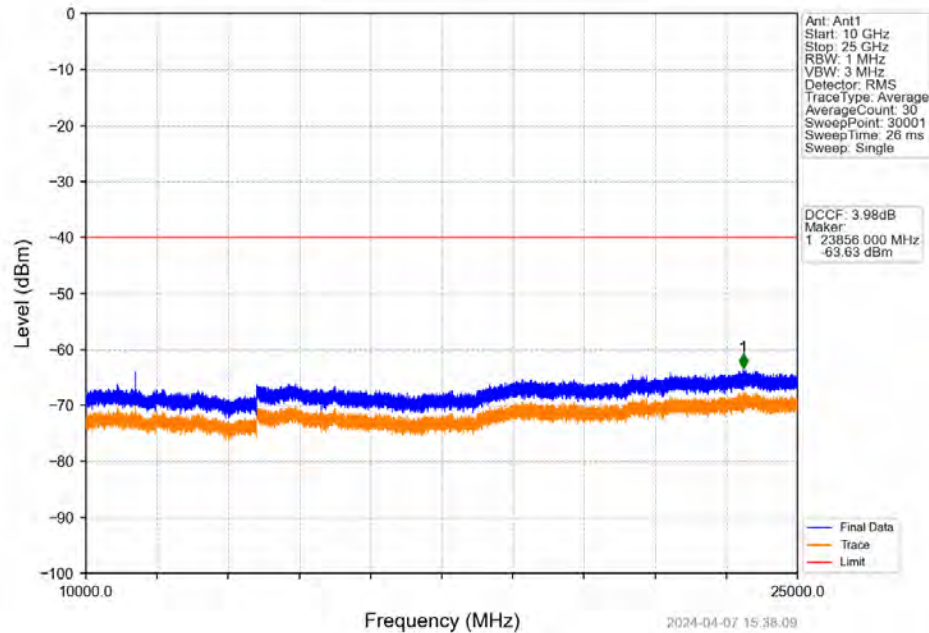


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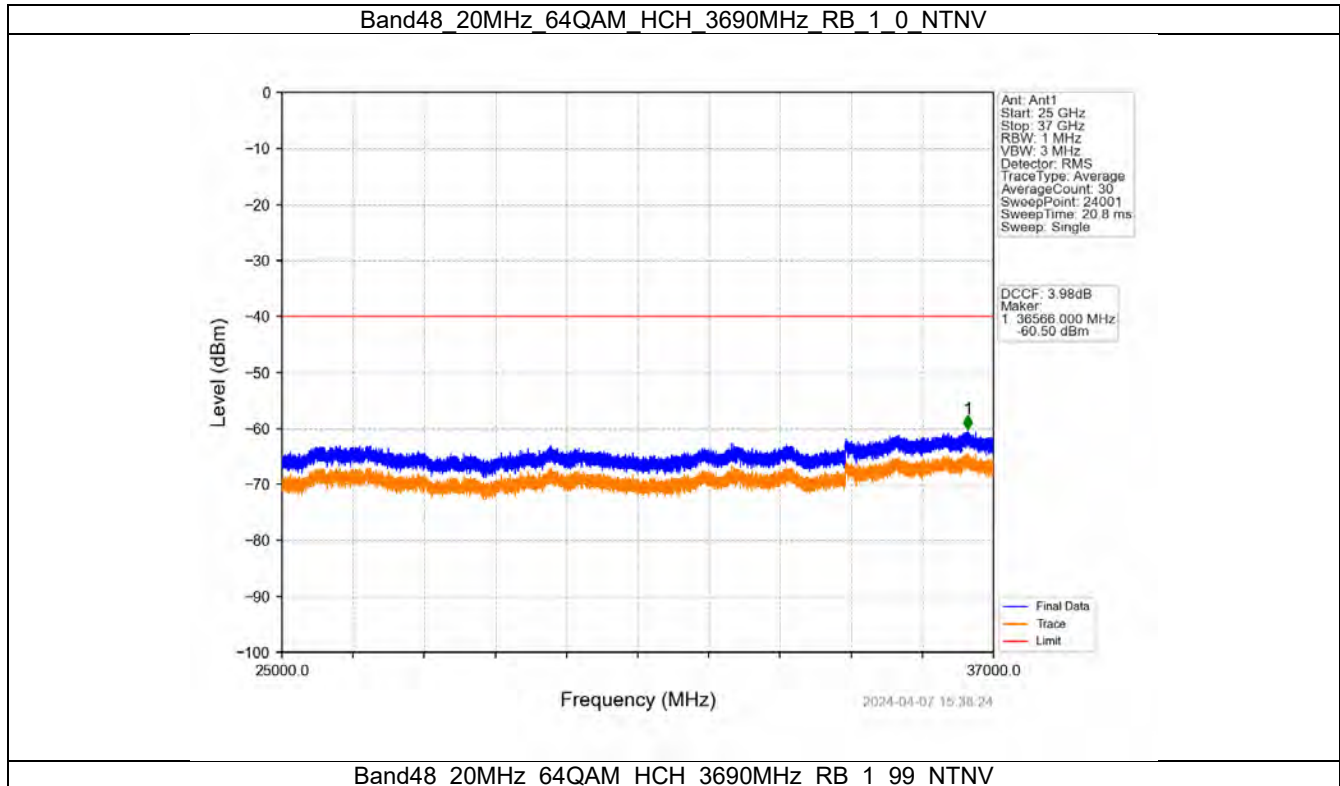


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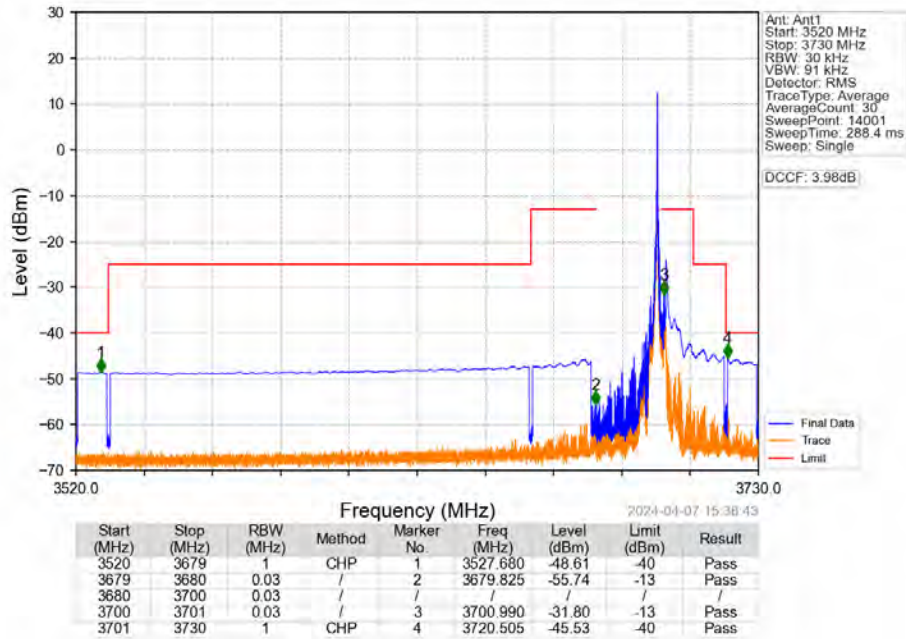


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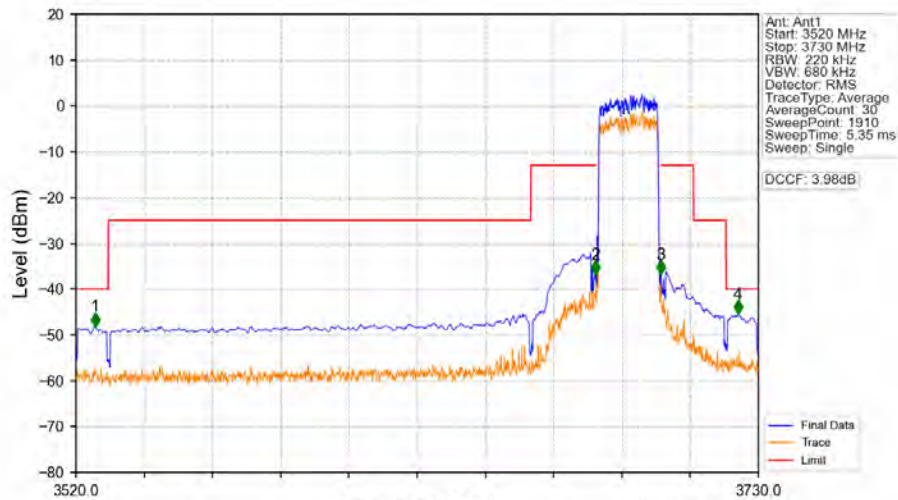
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Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679	1	CHP	1	3525.940	-48.16	-40	Pass
3679	3680	0.22	/	2	3679.838	-36.84	-13	Pass
3680	3700	0.22	/	/	/	/	/	/
3700	3701	0.22	/	3	3700.079	-36.75	-13	Pass
3701	3730	1	CHP	4	3723.730	-45.51	-40	Pass



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6. Adjacent Channel Leakage Ratio

6.1 B48_5MHz

6.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio	
		Size	Offset	Result	Limit
QPSK	3552.5	25	0	Refer To Test Graph	Pass
	3625	25	0	Refer To Test Graph	Pass
	3697.5	25	0	Refer To Test Graph	Pass
16QAM	3552.5	25	0	Refer To Test Graph	Pass
	3625	25	0	Refer To Test Graph	Pass
	3697.5	25	0	Refer To Test Graph	Pass
64QAM	3552.5	25	0	Refer To Test Graph	Pass
	3625	25	0	Refer To Test Graph	Pass
	3697.5	25	0	Refer To Test Graph	Pass



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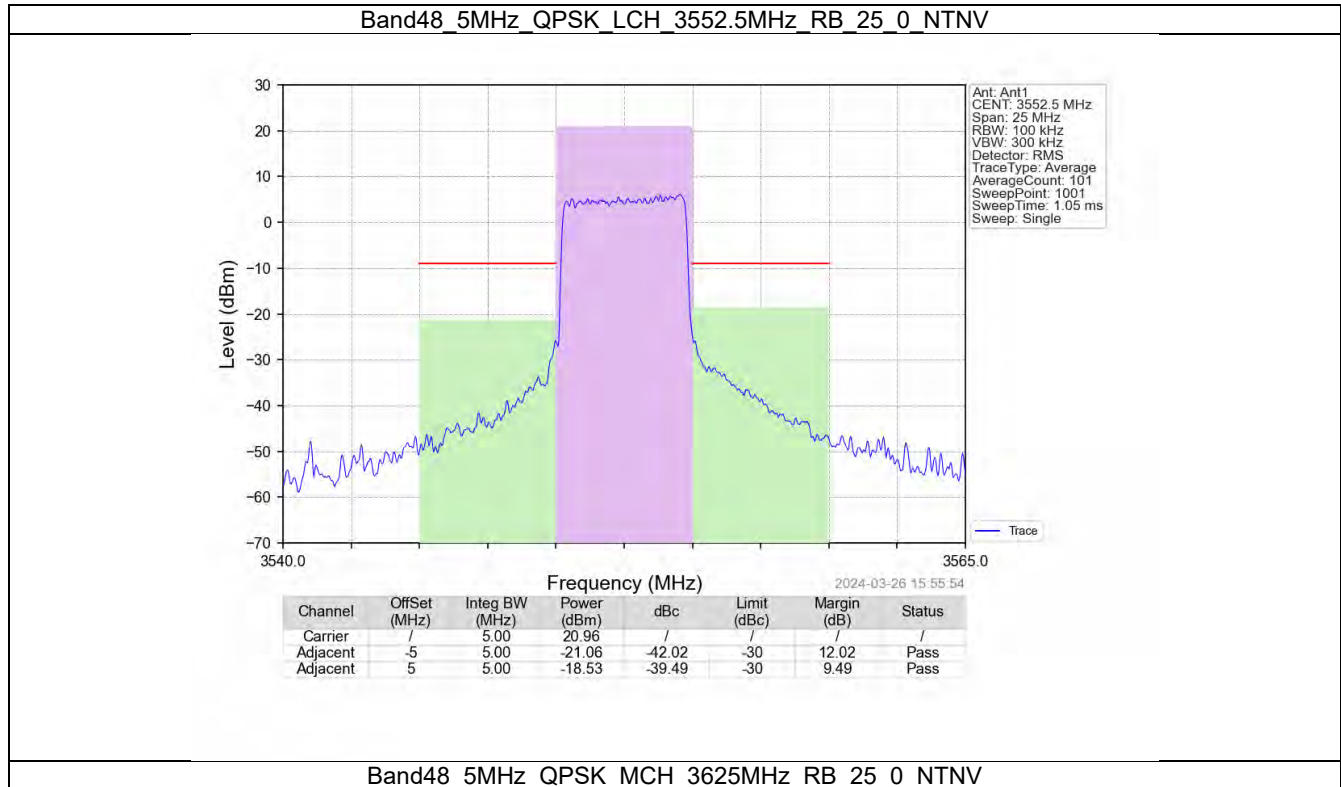
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6.1.2 Test Graph



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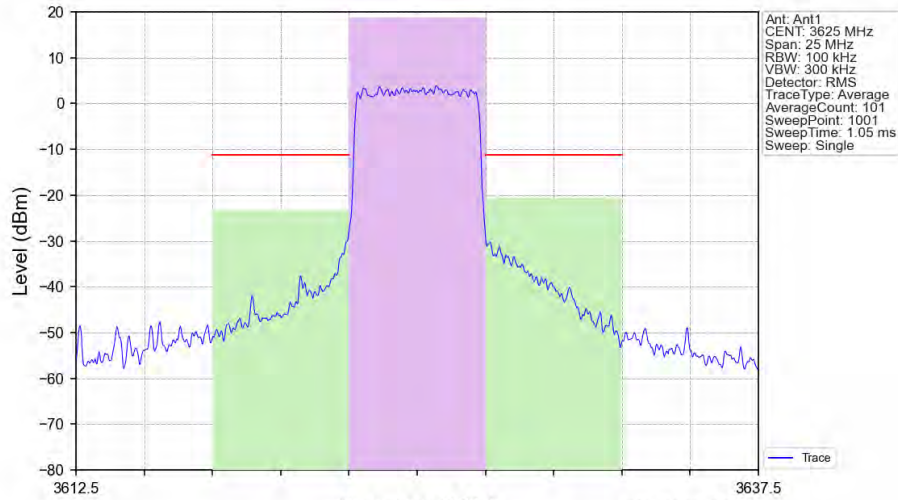


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.77	/	/	/	/
Adjacent	-5	5.00	-23.22	-41.99	-30	11.99	Pass
Adjacent	5	5.00	-20.55	-39.32	-30	9.32	Pass



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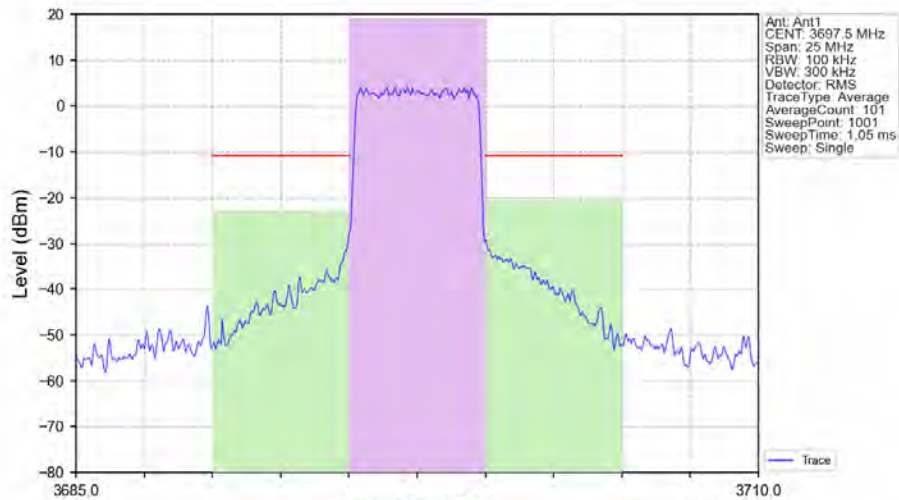
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Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.15	/	/	/	/
Adjacent	-5	5.00	-22.88	-42.03	-30	12.03	Pass
Adjacent	5	5.00	-20.54	-39.69	-30	9.69	Pass

Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



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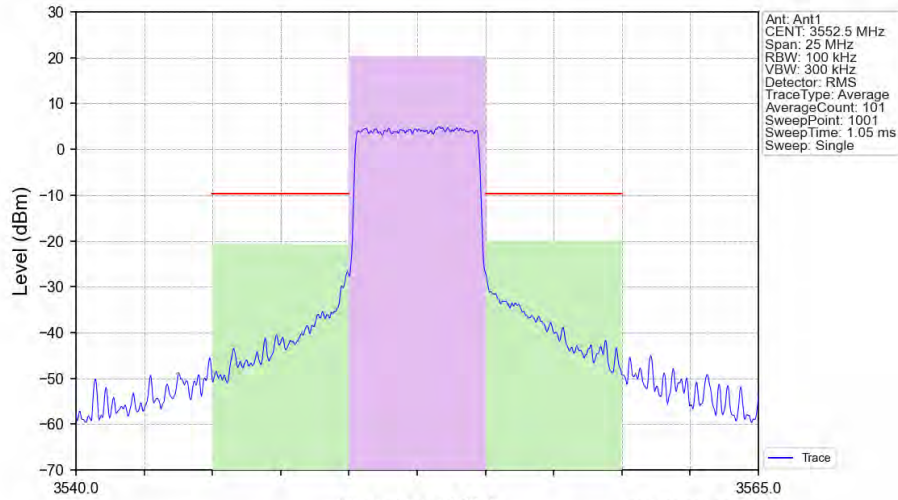


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Carrier	/	5.00	20.31	/	/	/	/
Adjacent	-5	5.00	-20.82	-41.13	-30	11.13	Pass
Adjacent	5	5.00	-19.85	-40.16	-30	10.16	Pass



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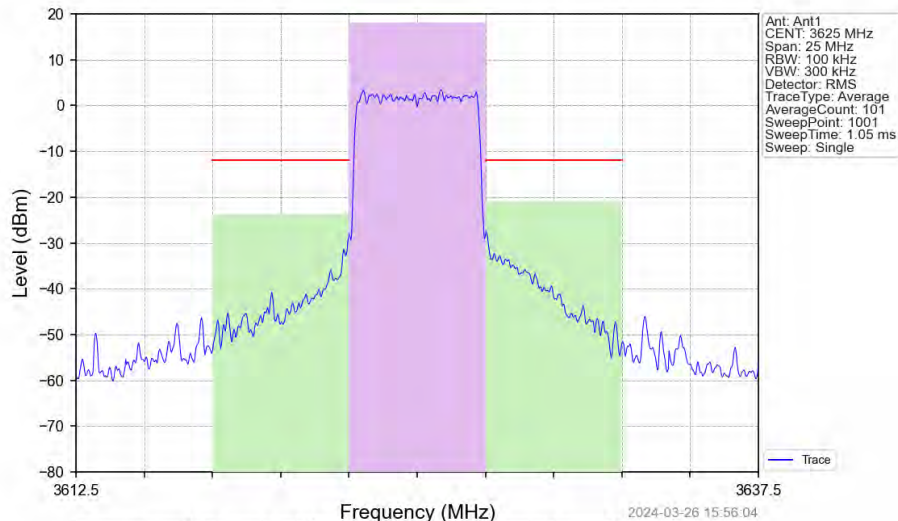
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Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.03	/	/	/	/
Adjacent	-5	5.00	-23.78	-41.81	-30	11.81	Pass
Adjacent	5	5.00	-20.93	-38.96	-30	8.96	Pass

Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



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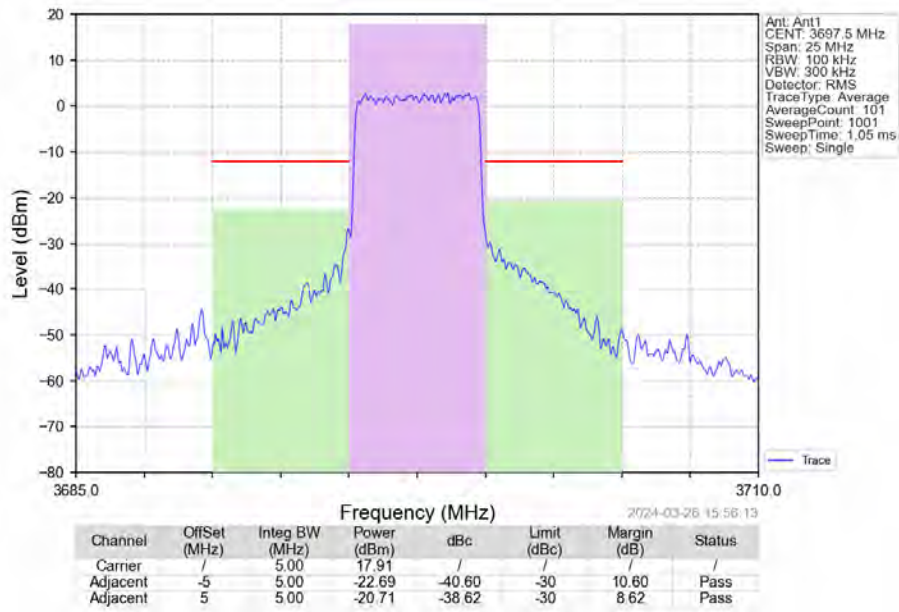


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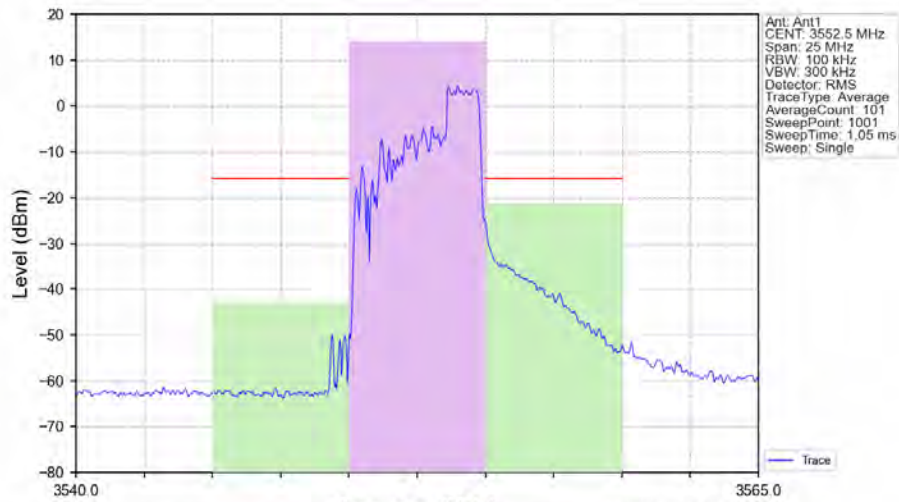
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Band48_5MHz_64QAM_LCH_3552.5MHz_RB_25_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	14.20	/	/	/	/
Adjacent	-5	5.00	-42.87	-57.07	-30	27.07	Pass
Adjacent	5	5.00	-21.22	-35.42	-30	5.42	Pass

Band48_5MHz_64QAM_MCH_3625MHz_RB_25_0_NTNV



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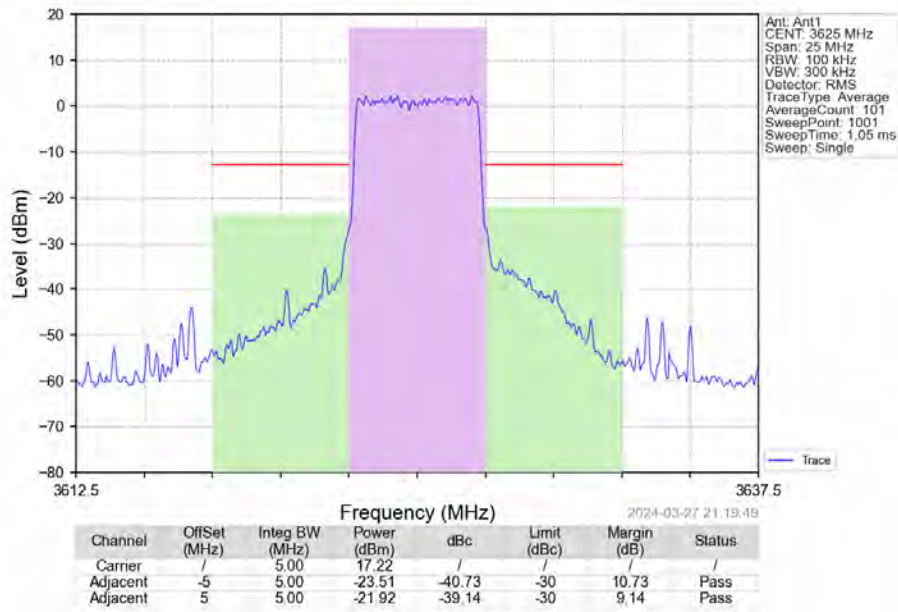


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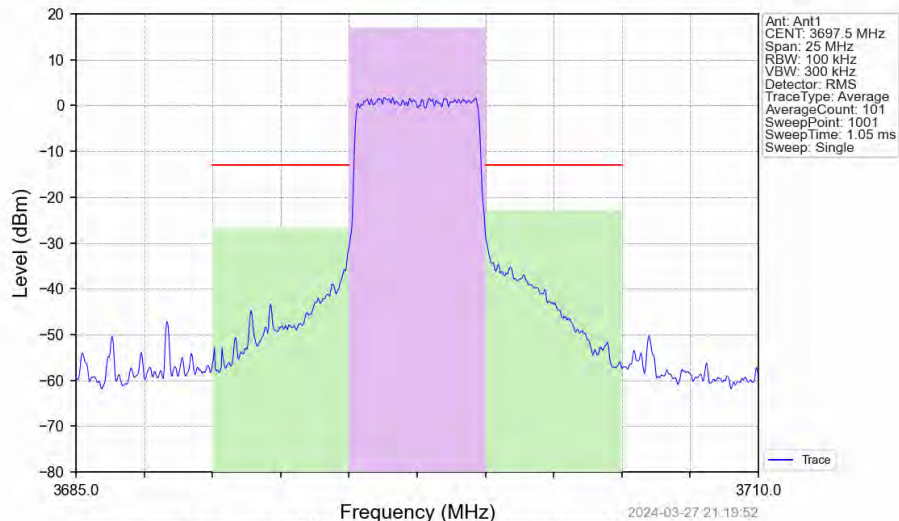
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Band48_5MHz_64QAM_HCH_3697.5MHz_RB_25_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	17.03	/	/	/	/
Adjacent	-5	5.00	-26.68	-43.71	-30	13.71	Pass
Adjacent	5	5.00	-22.79	-39.82	-30	9.82	Pass



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6.2 B48_10MHz

6.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	Refer To Test Graph		Pass
	3625	50	0	Refer To Test Graph		Pass
	3695	50	0	Refer To Test Graph		Pass
16QAM	3555	50	0	Refer To Test Graph		Pass
	3625	50	0	Refer To Test Graph		Pass
	3695	50	0	Refer To Test Graph		Pass
64QAM	3555	50	0	Refer To Test Graph		Pass
	3625	50	0	Refer To Test Graph		Pass
	3695	50	0	Refer To Test Graph		Pass



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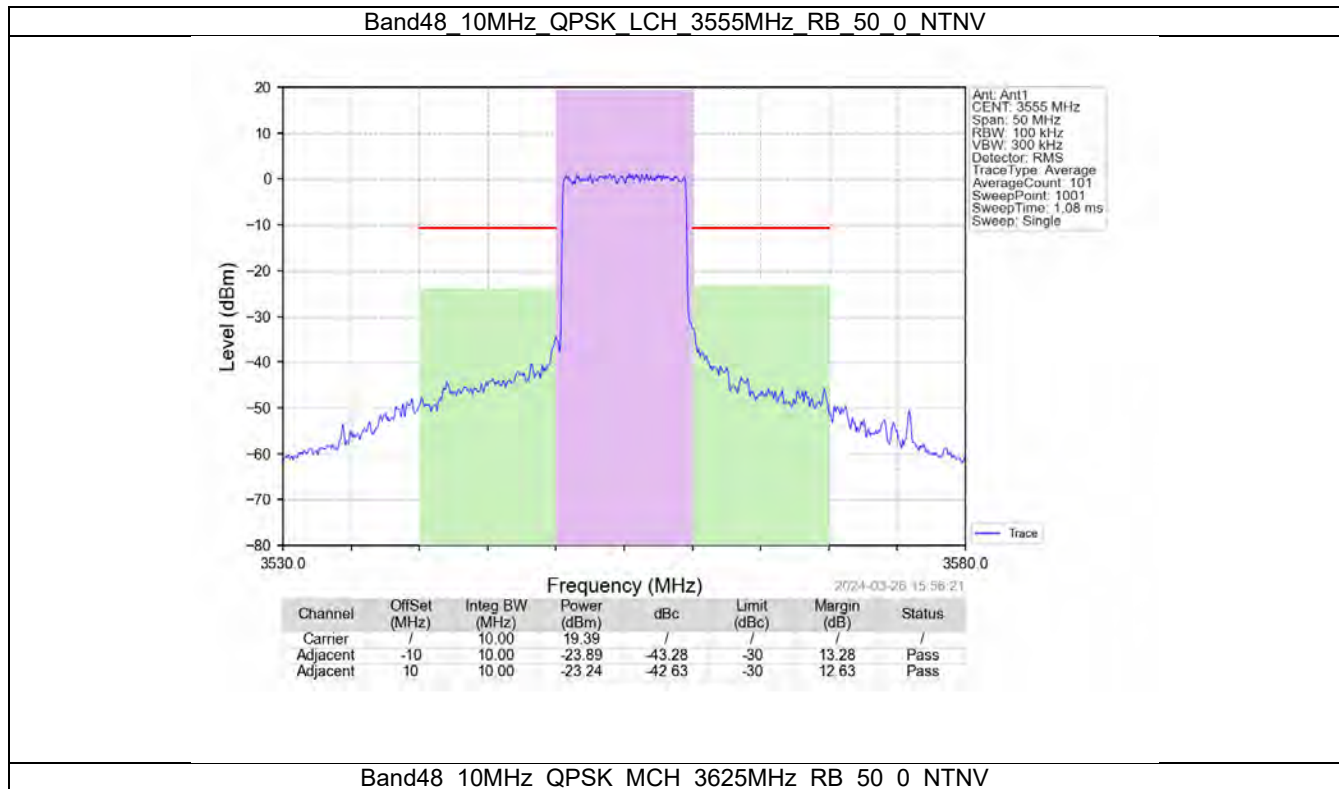
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6.2.2 Test Graph



Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



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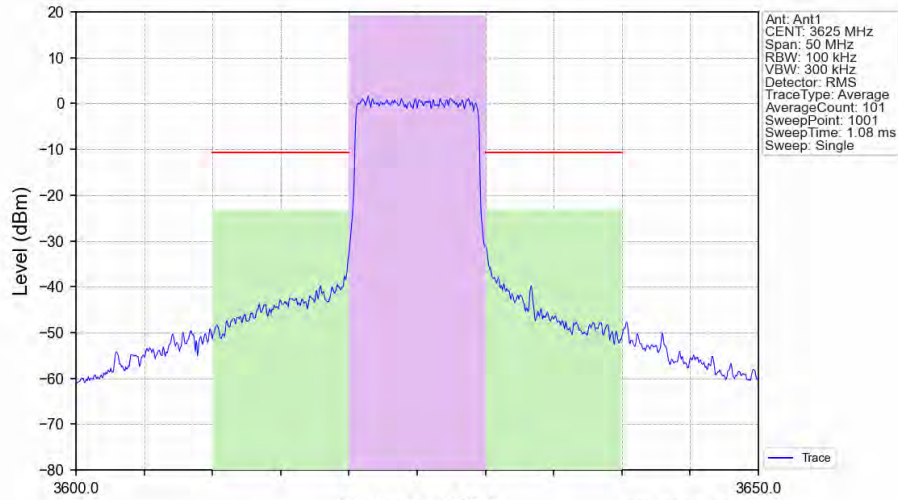


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.36	/	/	/	/
Adjacent	-10	10.00	-23.27	-42.63	-30	12.63	Pass
Adjacent	10	10.00	-22.99	-42.35	-30	12.35	Pass



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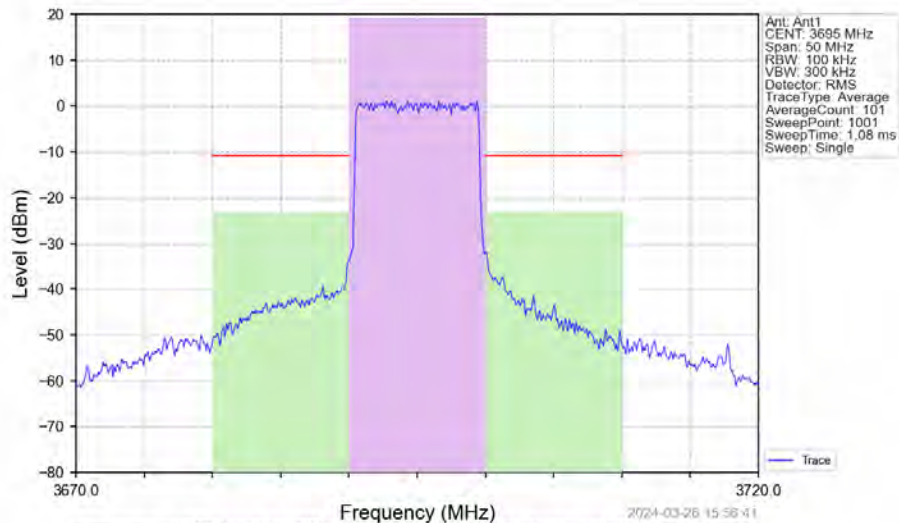
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Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.22	/	/	/	/
Adjacent	-10	10.00	-23.13	-42.35	-30	12.35	Pass
Adjacent	10	10.00	-22.95	-42.17	-30	12.17	Pass

Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



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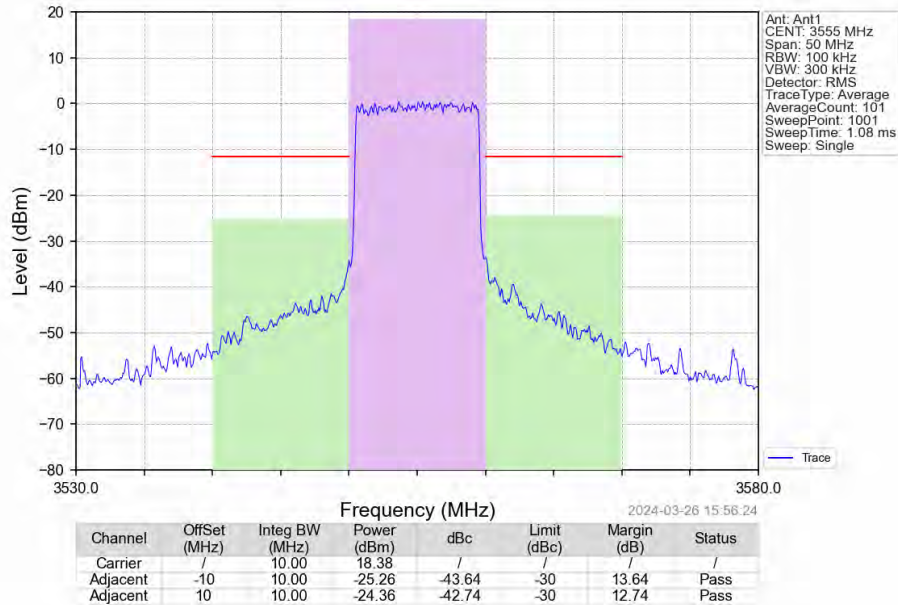


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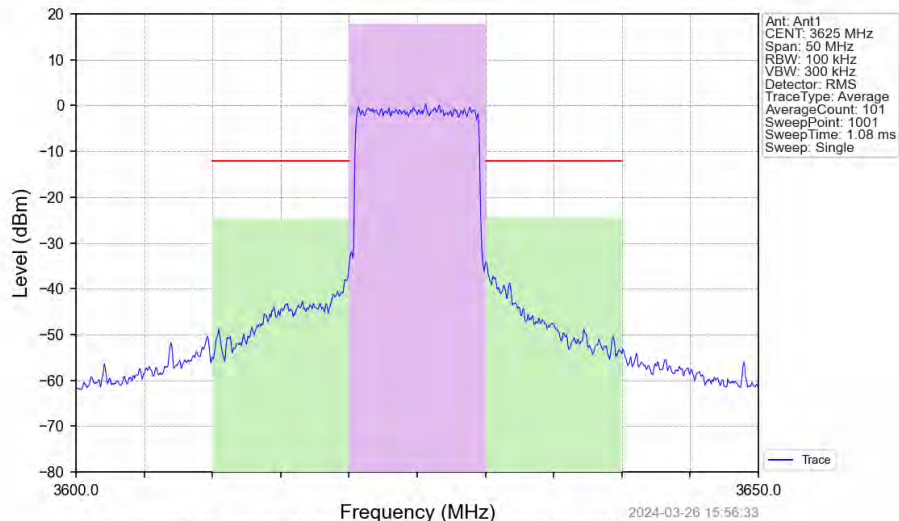
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Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.91	/	/	/	/
Adjacent	-10	10.00	-24.87	-42.78	-30	12.78	Pass
Adjacent	10	10.00	-24.44	-42.35	-30	12.35	Pass

Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



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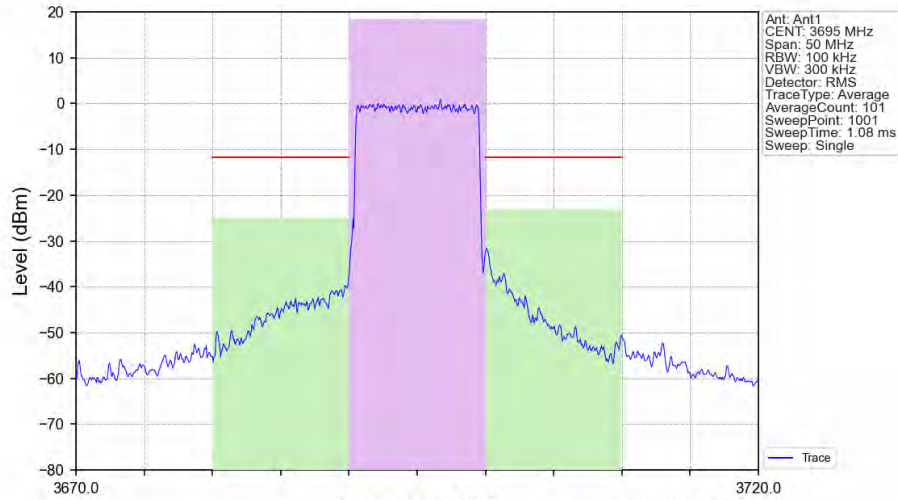


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	18.34	/	/	/	/
Adjacent	-10	10.00	-25.03	-43.37	-30	13.37	Pass
Adjacent	10	10.00	-23.08	-41.42	-30	11.42	Pass



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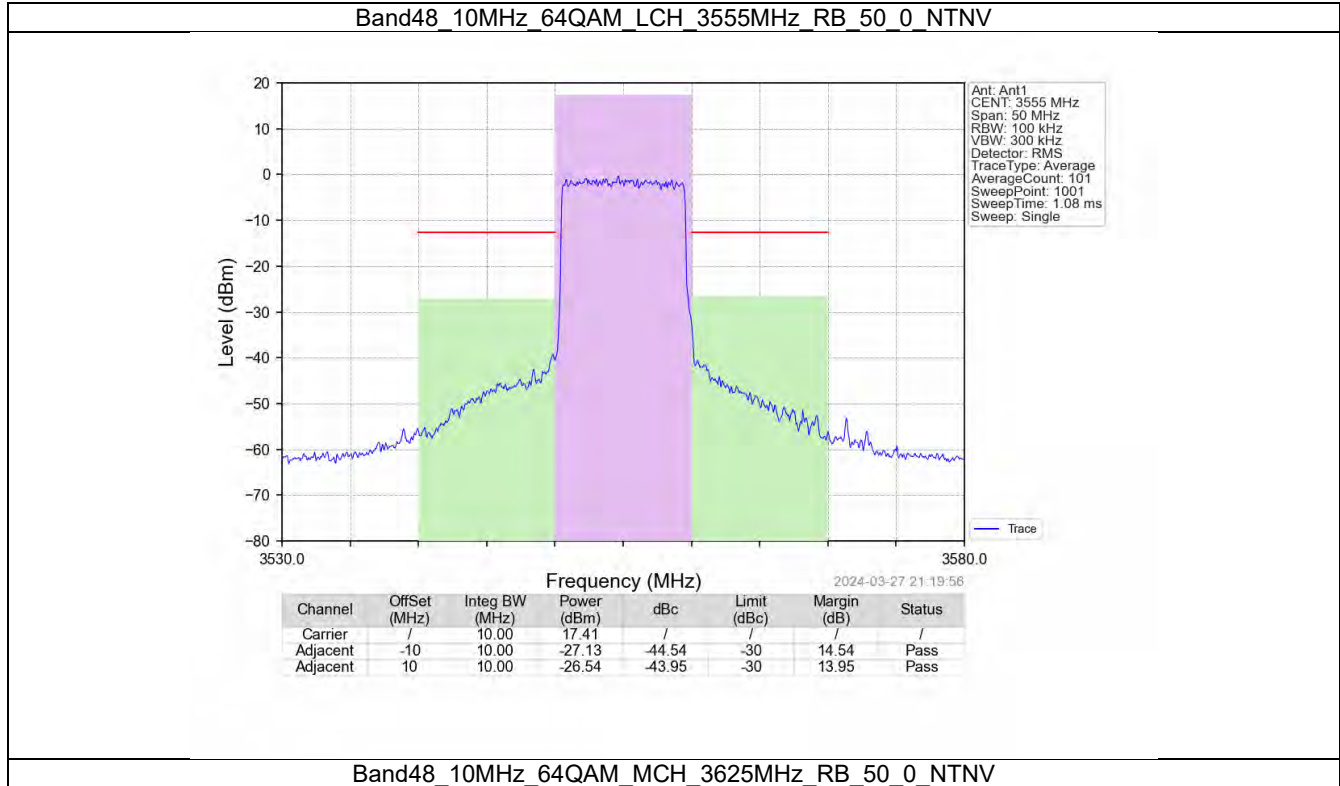


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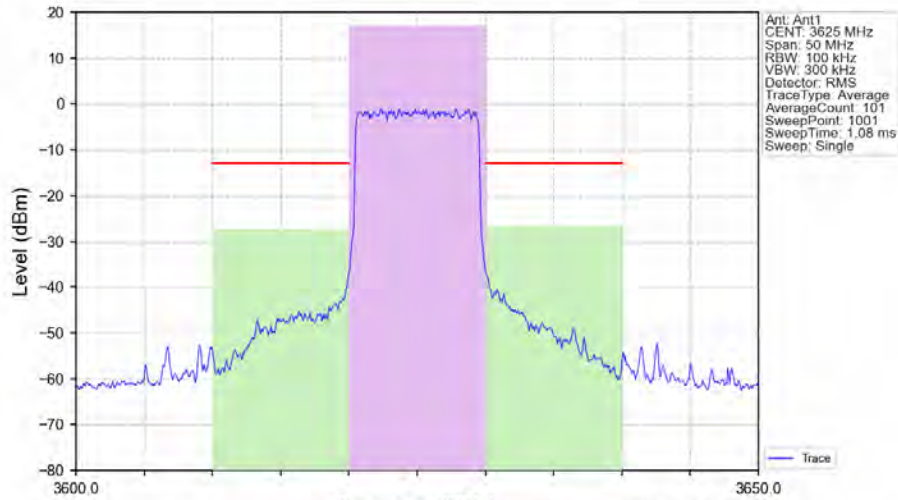


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Carrier	/	10.00	17.10	/	/	/	/
Adjacent	-10	10.00	-27.27	-44.37	-30	14.37	Pass
Adjacent	10	10.00	-26.81	-43.91	-30	13.91	Pass



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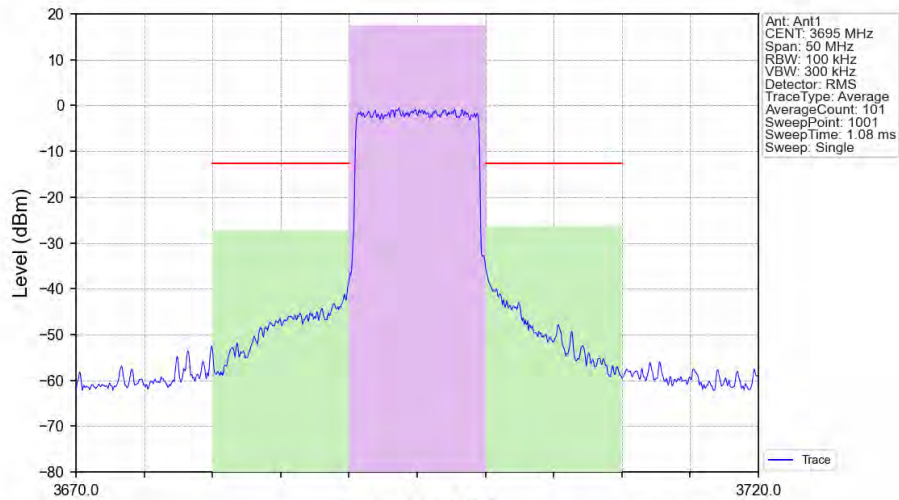
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Band48_10MHz_64QAM_HCH_3695MHz_RB_50_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.46	/	/	/	/
Adjacent	-10	10.00	-27.23	-44.69	-30	14.69	Pass
Adjacent	10	10.00	-26.33	-43.79	-30	13.79	Pass



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6.3 B48_15MHz

6.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	Refer To Test Graph		Pass
	3625	75	0	Refer To Test Graph		Pass
	3692.5	75	0	Refer To Test Graph		Pass
16QAM	3557.5	75	0	Refer To Test Graph		Pass
	3625	75	0	Refer To Test Graph		Pass
	3692.5	75	0	Refer To Test Graph		Pass
64QAM	3557.5	75	0	Refer To Test Graph		Pass
	3625	75	0	Refer To Test Graph		Pass
	3692.5	75	0	Refer To Test Graph		Pass



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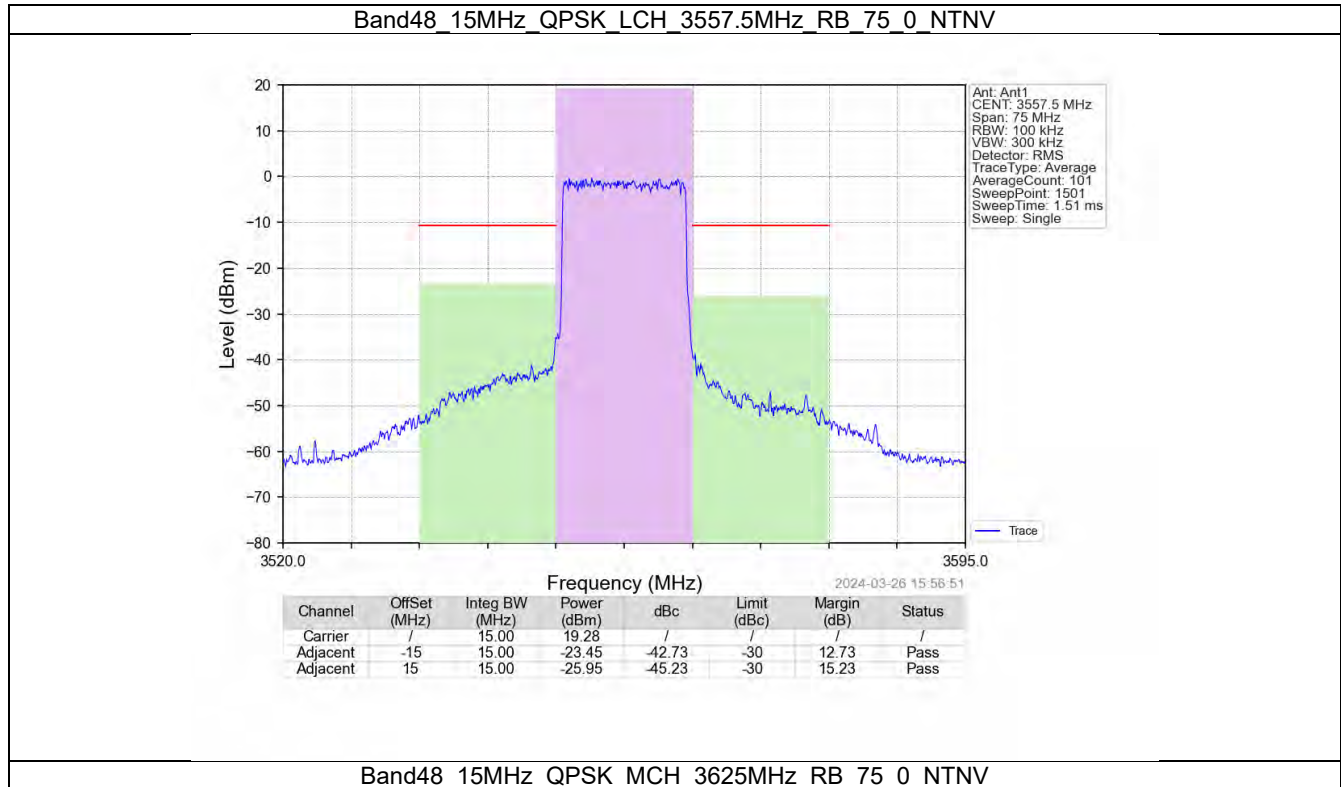
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6.3.2 Test Graph



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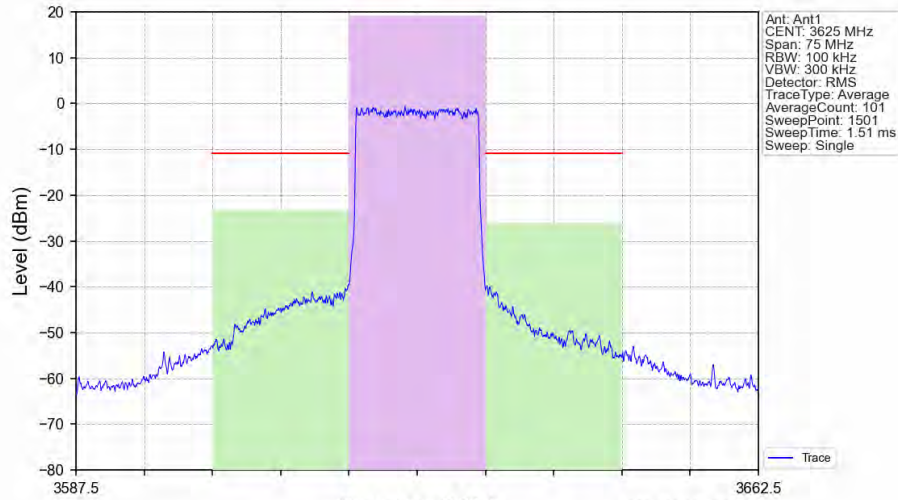


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	19.08	/	/	/	/
Adjacent	-15	15.00	-23.21	-42.29	-30	12.29	Pass
Adjacent	15	15.00	-26.01	-45.09	-30	15.09	Pass



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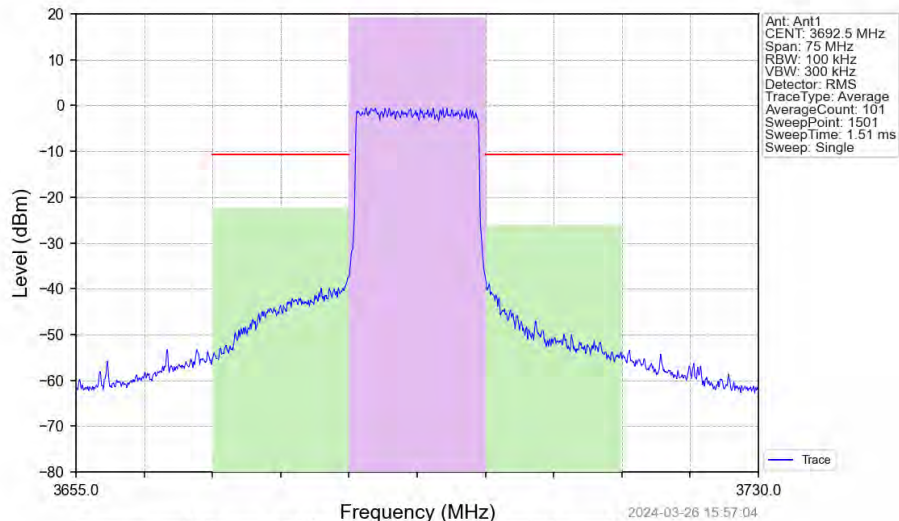
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Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	19.26	/	/	/	/
Adjacent	-15	15.00	-22.30	-41.56	-30	11.56	Pass
Adjacent	15	15.00	-26.04	-45.30	-30	15.30	Pass

Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



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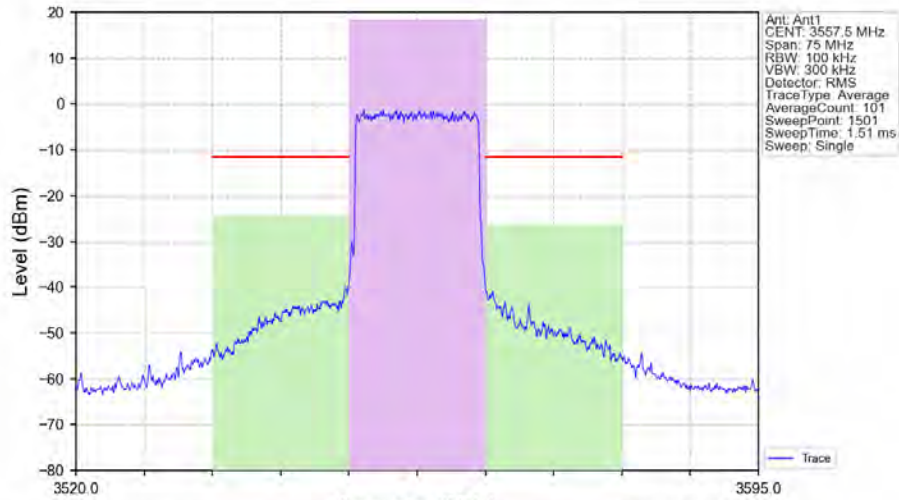


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	18.37	/	/	/	/
Adjacent	-15	15.00	-24.50	-42.87	-30	12.87	Pass
Adjacent	15	15.00	-26.36	-44.73	-30	14.73	Pass



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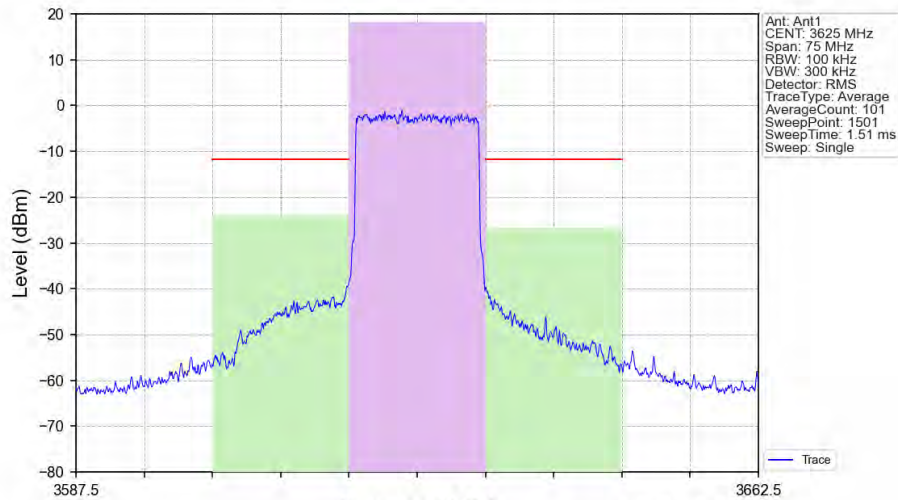
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Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	18.24	/	/	/	/
Adjacent	-15	15.00	-23.96	-42.20	-30	12.20	Pass
Adjacent	15	15.00	-26.65	-44.89	-30	14.89	Pass

Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



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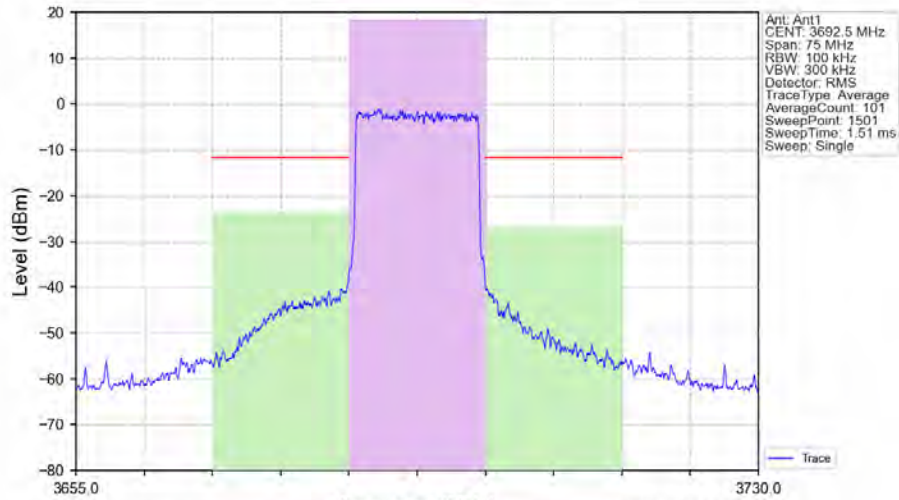


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	18.34	/	/	/	/
Adjacent	-15	15.00	-23.60	-41.94	-30	11.94	Pass
Adjacent	15	15.00	-26.98	-45.32	-30	15.32	Pass



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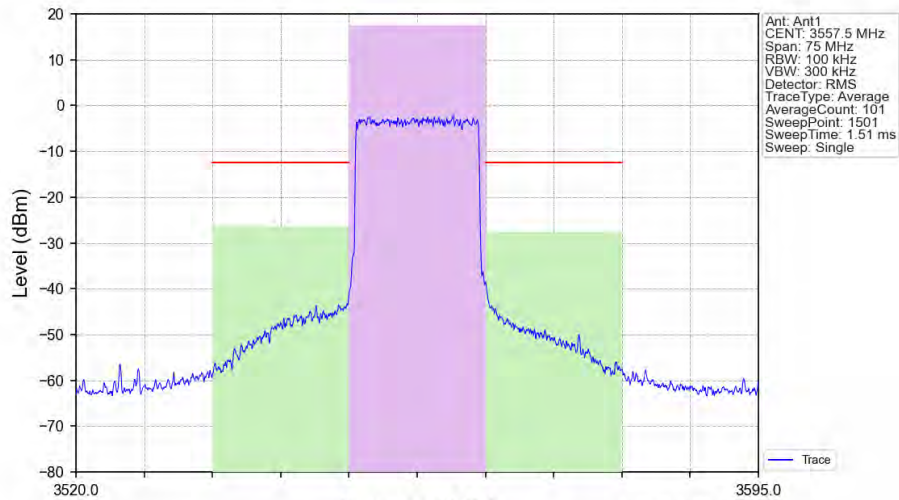
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Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	17.49	/	/	/	/
Adjacent	-15	15.00	-26.33	-43.82	-30	13.82	Pass
Adjacent	15	15.00	-27.70	-45.19	-30	15.19	Pass

Band48_15MHz_64QAM_MCH_3625MHz_RB_75_0_NTNV



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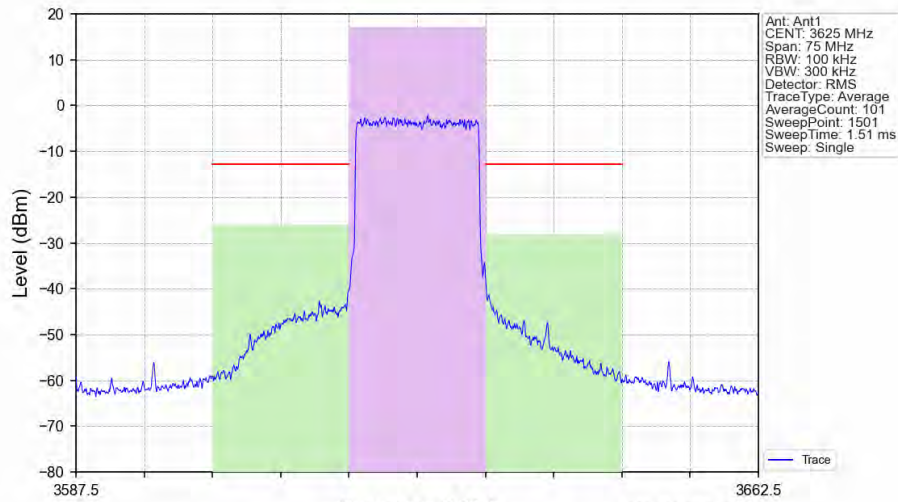


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	17.23	/	/	/	/
Adjacent	-15	15.00	-26.02	-43.25	-30	13.25	Pass
Adjacent	15	15.00	-28.16	-45.39	-30	15.39	Pass



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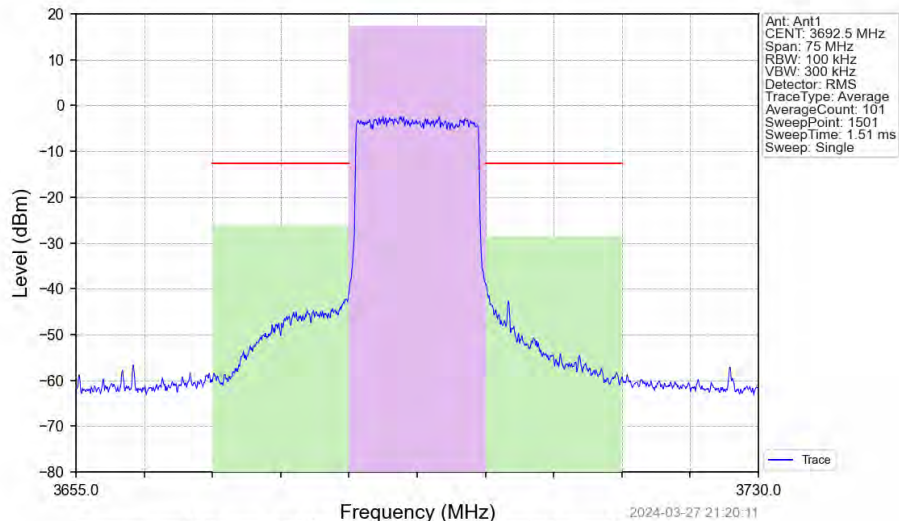
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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	17.30	/	/	/	/
Adjacent	-15	15.00	-26.12	-43.42	-30	13.42	Pass
Adjacent	15	15.00	-28.51	-45.81	-30	15.81	Pass



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6.4 B48_20MHz

6.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	Refer To Test Graph		Pass
	3625	100	0	Refer To Test Graph		Pass
	3690	100	0	Refer To Test Graph		Pass
16QAM	3560	100	0	Refer To Test Graph		Pass
	3625	100	0	Refer To Test Graph		Pass
	3690	100	0	Refer To Test Graph		Pass
64QAM	3560	100	0	Refer To Test Graph		Pass
	3625	100	0	Refer To Test Graph		Pass
	3690	100	0	Refer To Test Graph		Pass



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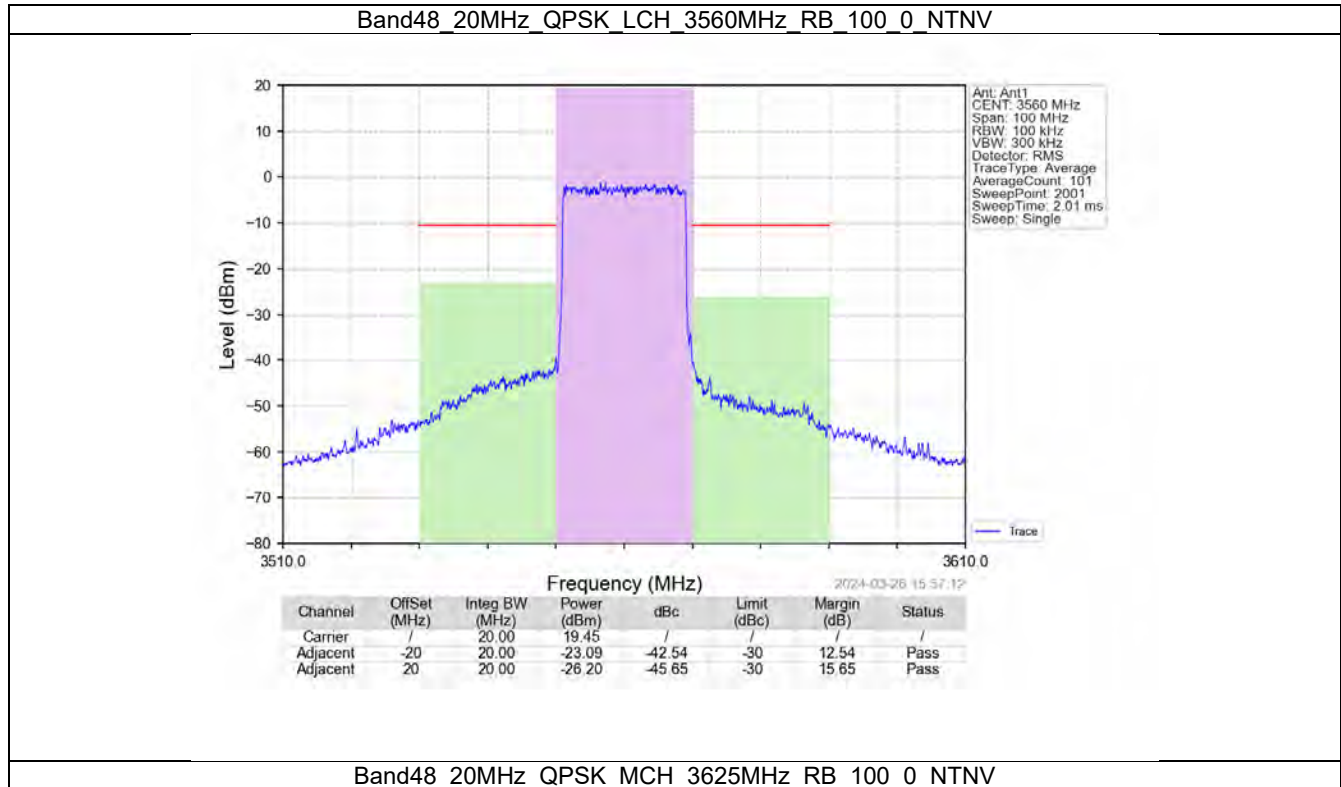
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6.4.2 Test Graph



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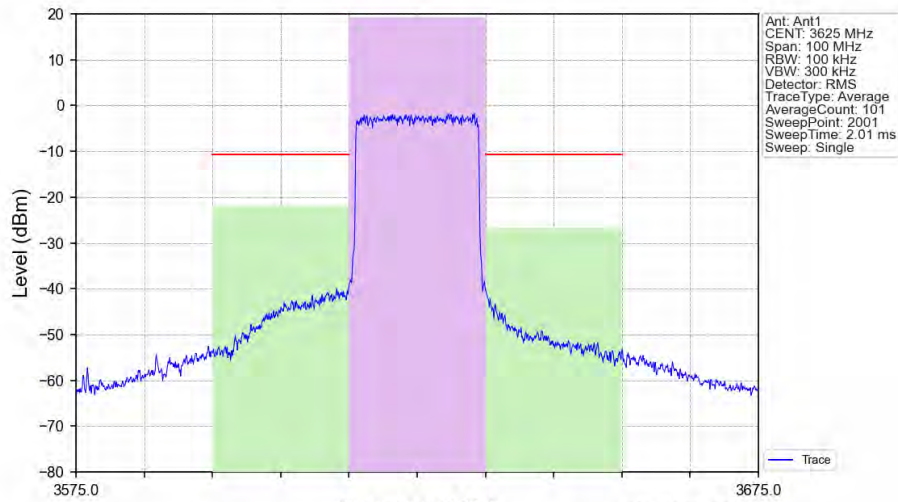


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	19.26	/	/	/	/
Adjacent	-20	20.00	-21.98	-41.24	-30	11.24	Pass
Adjacent	20	20.00	-26.65	-45.91	-30	15.91	Pass



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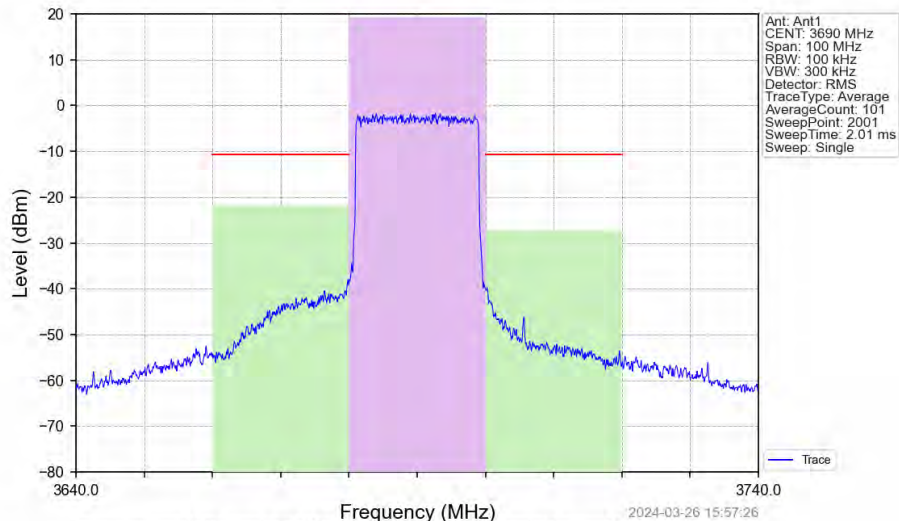
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Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	19.29	/	/	/	/
Adjacent	-20	20.00	-21.80	-41.09	-30	11.09	Pass
Adjacent	20	20.00	-27.22	-46.51	-30	16.51	Pass

Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



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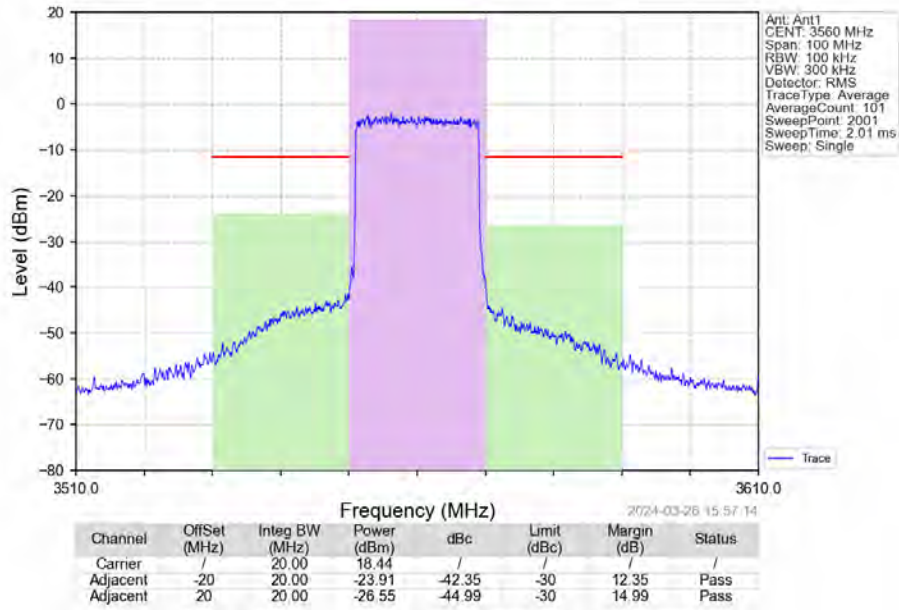


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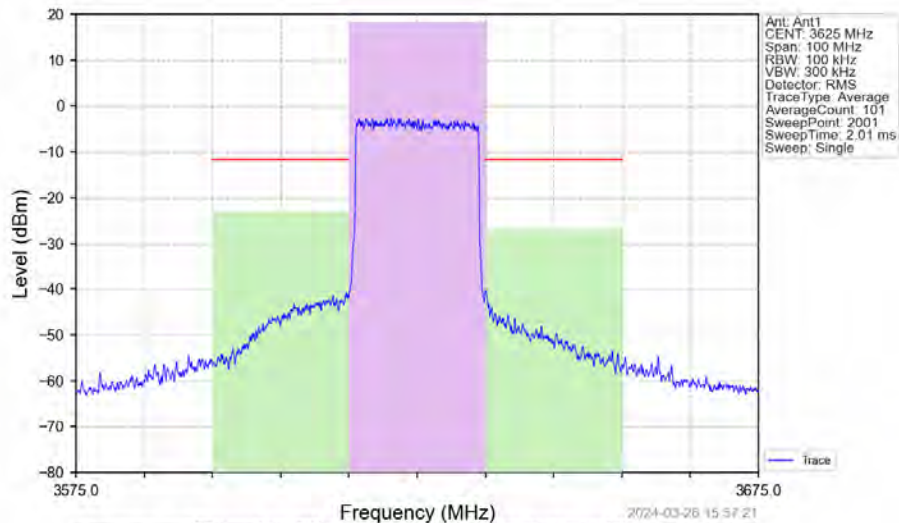
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Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	-18.24	/	/	/	/
Adjacent	-20	20.00	-23.11	-41.35	-30	11.35	Pass
Adjacent	20	20.00	-26.93	-45.17	-30	15.17	Pass

Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



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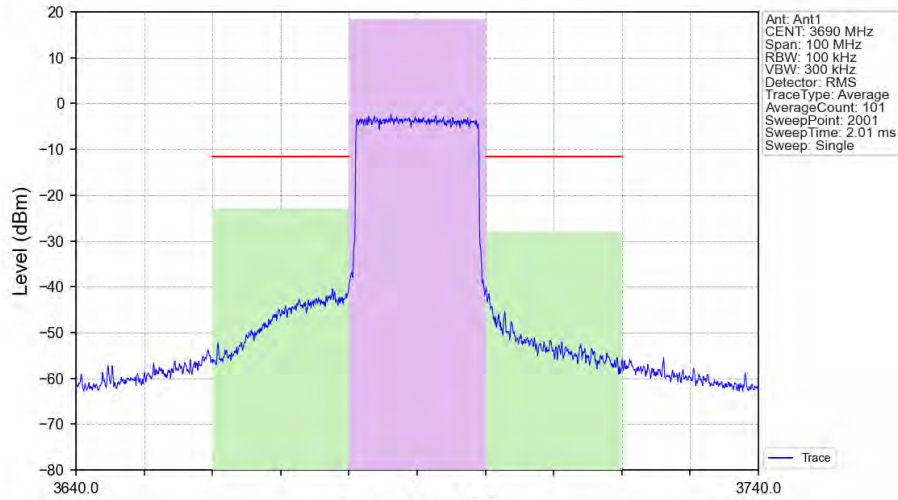


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	18.40	/	/	/	/
Adjacent	-20	20.00	-22.86	-41.26	-30	11.26	Pass
Adjacent	20	20.00	-27.98	-46.38	-30	16.38	Pass



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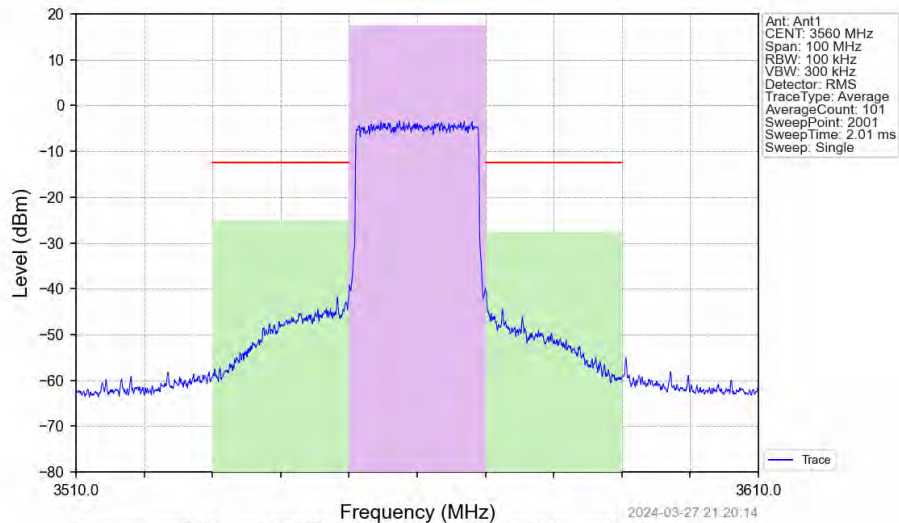
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Band48_20MHz_64QAM_LCH_3560MHz_RB_100_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	17.49	/	/	/	/
Adjacent	-20	20.00	-25.16	-42.65	-30	12.65	Pass
Adjacent	20	20.00	-27.59	-45.08	-30	15.08	Pass

Band48_20MHz_64QAM_MCH_3625MHz_RB_100_0_NTNV



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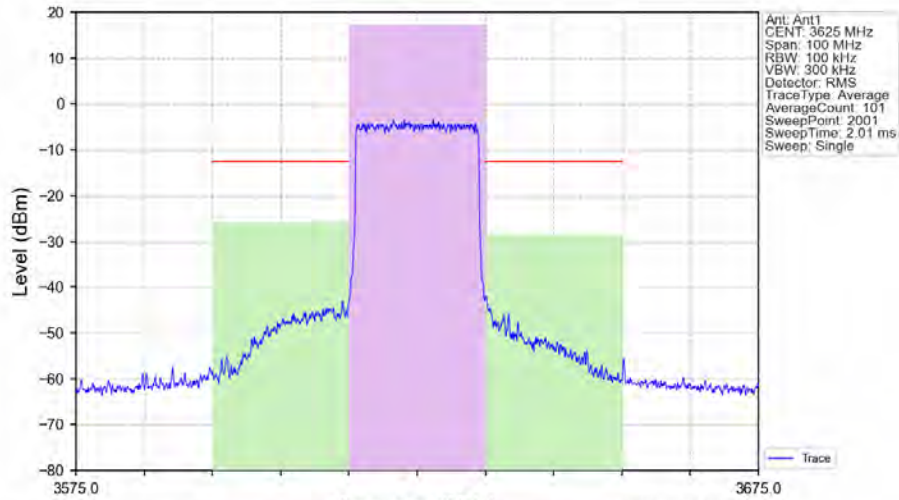


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	17.30	/	/	/	/
Adjacent	-20	20.00	-25.67	-42.97	-30	12.97	Pass
Adjacent	20	20.00	-28.56	-45.86	-30	15.86	Pass



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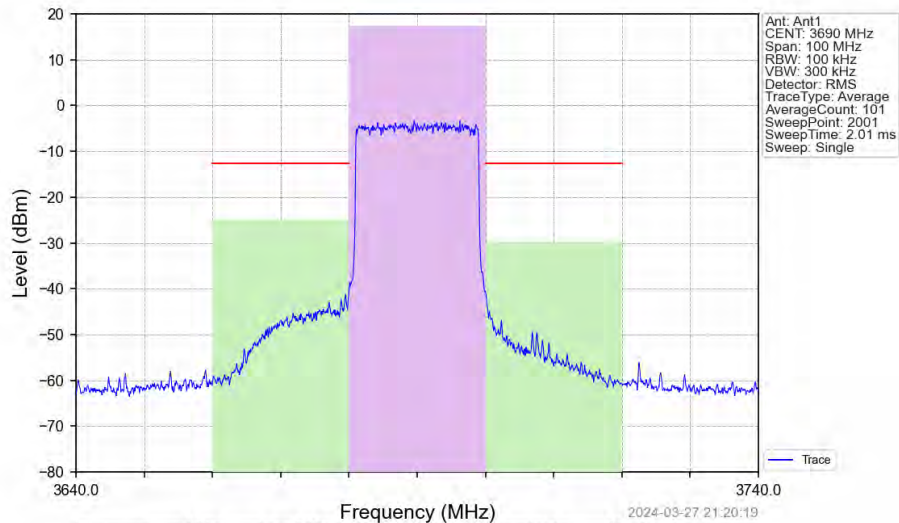
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Band48_20MHz_64QAM_HCH_3690MHz_RB_100_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	17.41	/	/	/	/
Adjacent	-20	20.00	-24.89	-42.30	-30	12.30	Pass
Adjacent	20	20.00	-29.80	-47.21	-30	17.21	Pass



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6. Field Strength of Spurious Radiation(LGA)

LTE Band 48-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
7120	-61.47	-40	-21.47	-68.41	4.19	11.13	Horizontal	Pass
10680	-58.63	-40	-18.63	-66.675	5.08	13.12	Horizontal	Pass
14240	-55.66	-40	-15.66	-65.32	4.82	14.48	Horizontal	Pass
7120	-61.98	-40	-21.98	-68.92	4.19	11.13	Vertical	Pass
10680	-58.13	-40	-18.13	-66.175	5.08	13.12	Vertical	Pass
14240	-56.11	-40	-16.11	-65.77	4.82	14.48	Vertical	Pass

LTE Band 48-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
7232	-61.99	-40	-21.99	-68.93	4.19	11.13	Horizontal	Pass
10848	-59.06	-40	-19.06	-67.105	5.08	13.12	Horizontal	Pass
14464	-56.01	-40	-16.01	-65.67	4.82	14.48	Horizontal	Pass
7232	-62.27	-40	-22.27	-69.21	4.19	11.13	Vertical	Pass
10848	-59.17	-40	-19.17	-67.215	5.08	13.12	Vertical	Pass
14464	-55.53	-40	-15.53	-65.19	4.82	14.48	Vertical	Pass

LTE Band 48-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
7380	-61.04	-40	-21.04	-67.98	4.19	11.13	Horizontal	Pass
11070	-55.71	-40	-15.71	-63.91	5.07	13.27	Horizontal	Pass
14760	-51.53	-40	-11.53	-60.76	5.19	14.42	Horizontal	Pass
7380	-60.37	-40	-20.37	-67.31	4.19	11.13	Vertical	Pass
11070	-56.27	-40	-16.27	-64.47	5.07	13.27	Vertical	Pass
14760	-51.97	-40	-11.97	-61.2	5.19	14.42	Vertical	Pass



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Test on the worst case(MINIPCIE):

LTE Band 48-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
7120	-61.47	-40	-21.47	-68.41	4.19	11.13	Horizontal	Pass
10680	-58.63	-40	-18.63	-66.675	5.08	13.12	Horizontal	Pass
14240	-55.66	-40	-15.66	-65.32	4.82	14.48	Horizontal	Pass
7120	-61.98	-40	-21.98	-68.92	4.19	11.13	Vertical	Pass
10680	-58.13	-40	-18.13	-66.175	5.08	13.12	Vertical	Pass
14240	-56.11	-40	-16.11	-65.77	4.82	14.48	Vertical	Pass

LTE Band 48-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
7232	-61.99	-40	-21.99	-68.93	4.19	11.13	Horizontal	Pass
10848	-59.06	-40	-19.06	-67.105	5.08	13.12	Horizontal	Pass
14464	-56.01	-40	-16.01	-65.67	4.82	14.48	Horizontal	Pass
7232	-62.27	-40	-22.27	-69.21	4.19	11.13	Vertical	Pass
10848	-59.17	-40	-19.17	-67.215	5.08	13.12	Vertical	Pass
14464	-55.53	-40	-15.53	-65.19	4.82	14.48	Vertical	Pass

LTE Band 48-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
7380	-61.04	-40	-21.04	-67.98	4.19	11.13	Horizontal	Pass
11070	-55.71	-40	-15.71	-63.91	5.07	13.27	Horizontal	Pass
14760	-51.53	-40	-11.53	-60.76	5.19	14.42	Horizontal	Pass
7380	-60.37	-40	-20.37	-67.31	4.19	11.13	Vertical	Pass
11070	-56.27	-40	-16.27	-64.47	5.07	13.27	Vertical	Pass
14760	-51.97	-40	-11.97	-61.2	5.19	14.42	Vertical	Pass



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Test on the worst case(M.2):

LTE Band 48-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
7120	-61.84	-40	-21.84	-68.78	4.19	11.13	Horizontal	Pass
10680	-58.72	-40	-18.72	-66.765	5.08	13.12	Horizontal	Pass
14240	-55.5	-40	-15.5	-65.16	4.82	14.48	Horizontal	Pass
7120	-61.45	-40	-21.45	-68.39	4.19	11.13	Vertical	Pass
10680	-58.62	-40	-18.62	-66.665	5.08	13.12	Vertical	Pass
14240	-55.44	-40	-15.44	-65.1	4.82	14.48	Vertical	Pass

LTE Band 48-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
7232	-62.29	-40	-22.29	-69.23	4.19	11.13	Horizontal	Pass
10848	-59.29	-40	-19.29	-67.335	5.08	13.12	Horizontal	Pass
14464	-55.44	-40	-15.44	-65.1	4.82	14.48	Horizontal	Pass
7232	-63.27	-40	-23.27	-70.21	4.19	11.13	Vertical	Pass
10848	-59.59	-40	-19.59	-67.635	5.08	13.12	Vertical	Pass
14464	-55.74	-40	-15.74	-65.4	4.82	14.48	Vertical	Pass

LTE Band 48-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
7380	-60.21	-40	-20.21	-67.15	4.19	11.13	Horizontal	Pass
11070	-55.52	-40	-15.52	-63.72	5.07	13.27	Horizontal	Pass
14760	-51	-40	-11	-60.23	5.19	14.42	Horizontal	Pass
7380	-61.02	-40	-21.02	-67.96	4.19	11.13	Vertical	Pass
11070	-56.66	-40	-16.66	-64.86	5.07	13.27	Vertical	Pass
14760	-52.12	-40	-12.12	-61.35	5.19	14.42	Vertical	Pass

---End of Attachment---



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