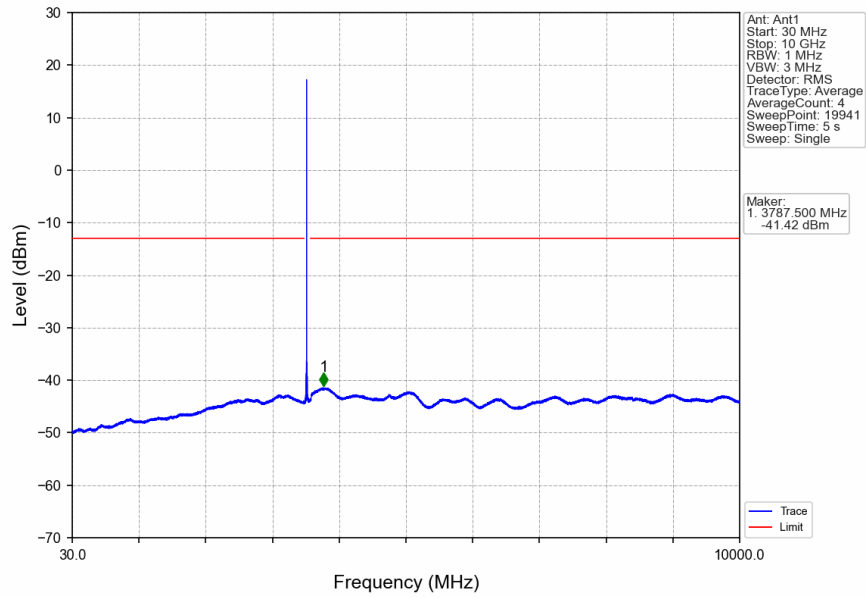
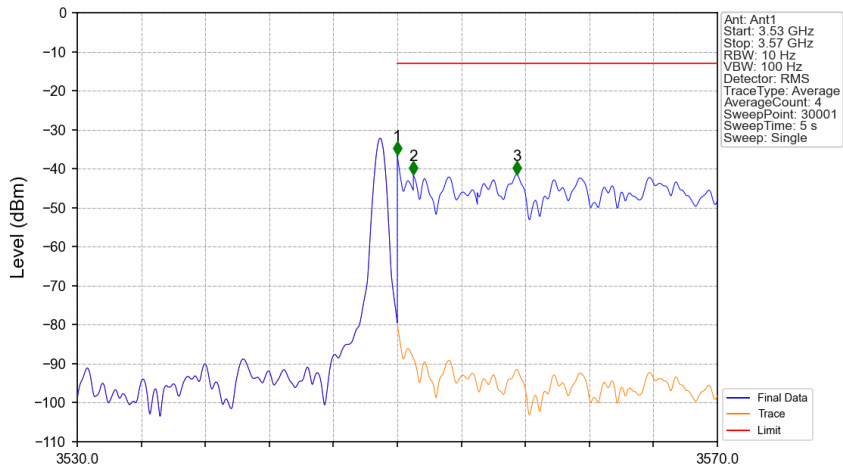


Band42a\_20MHz\_QPSK\_HCH\_3540MHz\_RB\_1\_0\_NTNV

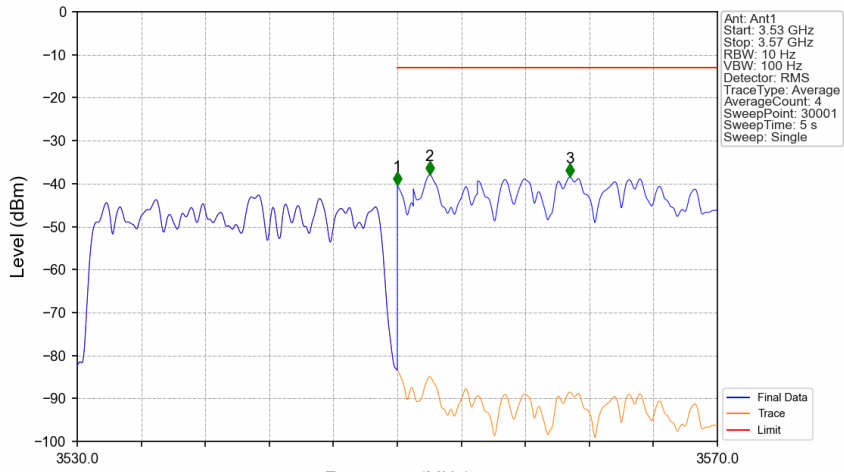


Band42a\_20MHz\_QPSK\_HCH\_3540MHz\_RB\_1\_99\_NTNV



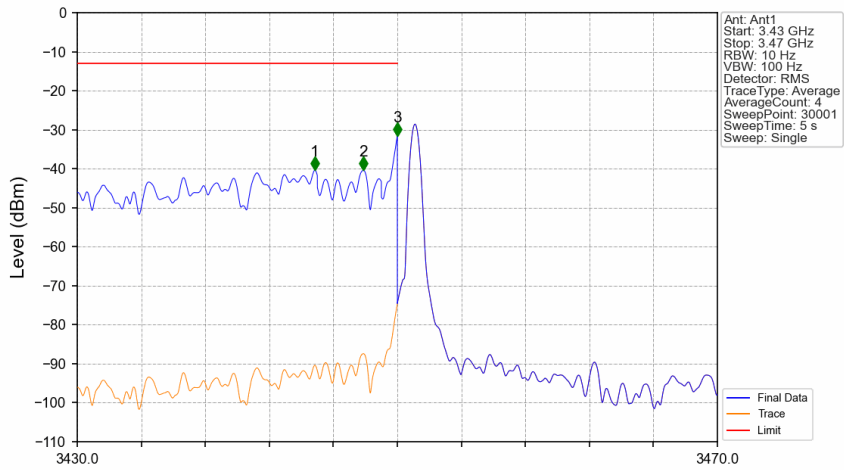
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0	0	/	/	/	/	/
3550	3551	0.2	43.01	1	3550.000	-36.49	-13	Pass
3551	3555	0.5	46.99	2	3551.001	-41.59	-13	Pass
3555	3570	1	50	3	3557.452	-41.47	-13	Pass

Band42a\_20MHz\_QPSK\_HCH\_3540MHz\_RB\_100\_0\_NTNV



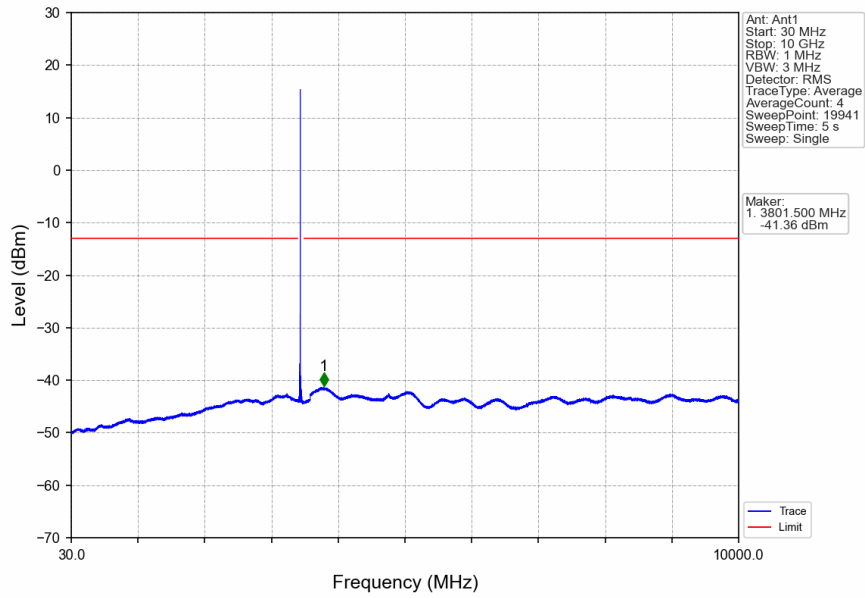
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0	0	/	/	/	/	/
3550	3551	0.2	43.01	1	3550.000	-40.43	-13	Pass
3551	3555	0.5	46.99	2	3552.017	-37.97	-13	Pass
3555	3570	1	50	3	3560.776	-38.51	-13	Pass

Band42a\_20MHz\_16QAM\_LCH\_3460MHz\_RB\_1\_0\_NTNV

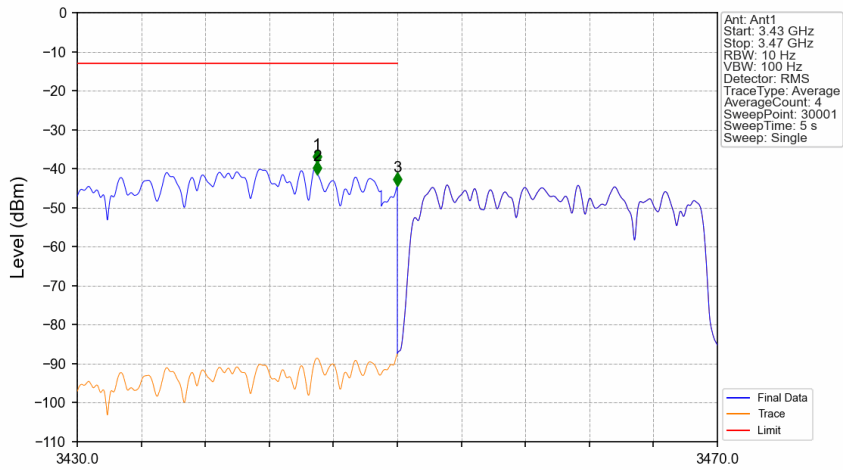


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3430	3445	1	50	1	3444.844	-40.40	-13	Pass
3445	3449	0.5	46.99	2	3447.876	-40.44	-13	Pass
3449	3450	0.2	43.01	3	3450.000	-31.60	-13	Pass
3450	3470	0	0	/	/	/	/	/

Band42a\_20MHz\_16QAM\_LCH\_3460MHz\_RB\_1\_0\_NTNV

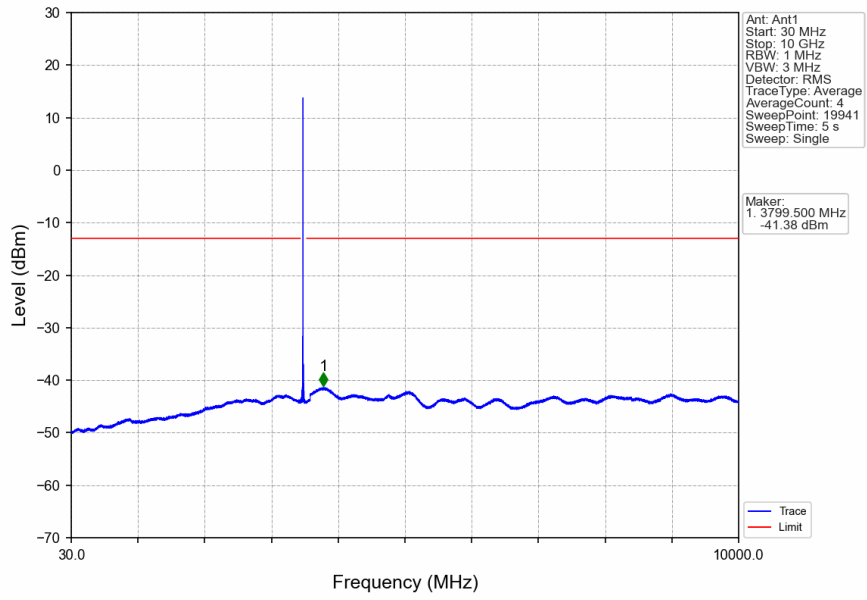


Band42a\_20MHz\_16QAM\_LCH\_3460MHz\_RB\_100\_0\_NTNV

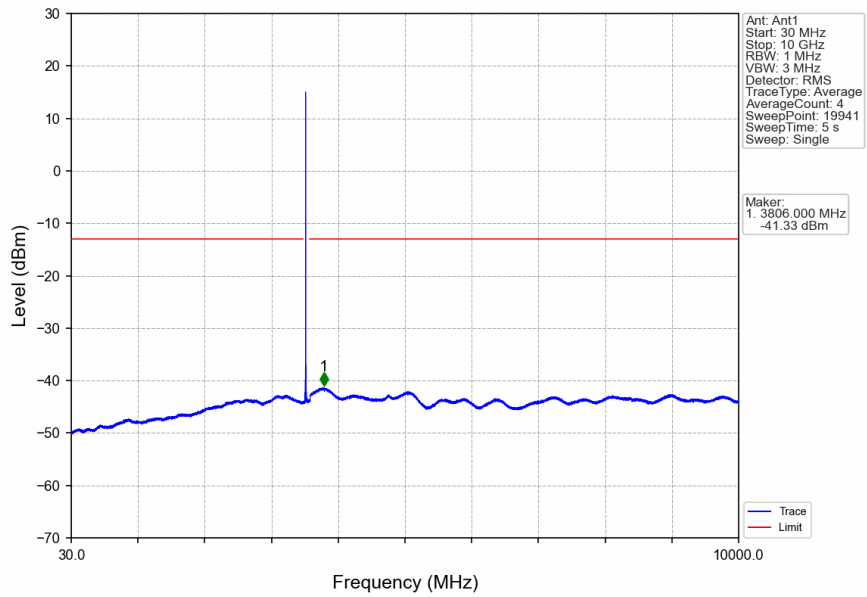


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3430	3445	1	50	1	3444.983	-38.58	-13	Pass
3445	3449	0.5	46.99	2	3445.001	-41.59	-13	Pass
3449	3450	0.2	43.01	3	3450.000	-44.38	-13	Pass
3450	3470	0	0	/	/	/	/	/

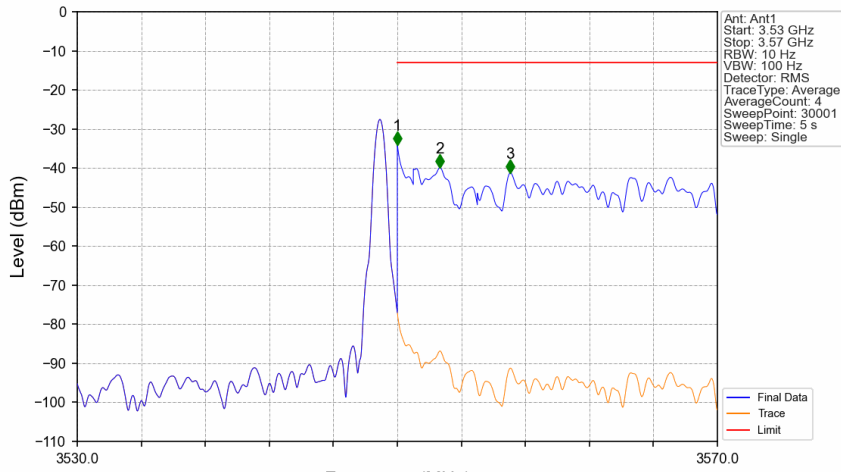
Band42a\_20MHz\_16QAM\_MCH\_3500MHz\_RB\_1\_0\_NTNV



Band42a\_20MHz\_16QAM\_HCH\_3540MHz\_RB\_1\_0\_NTNV

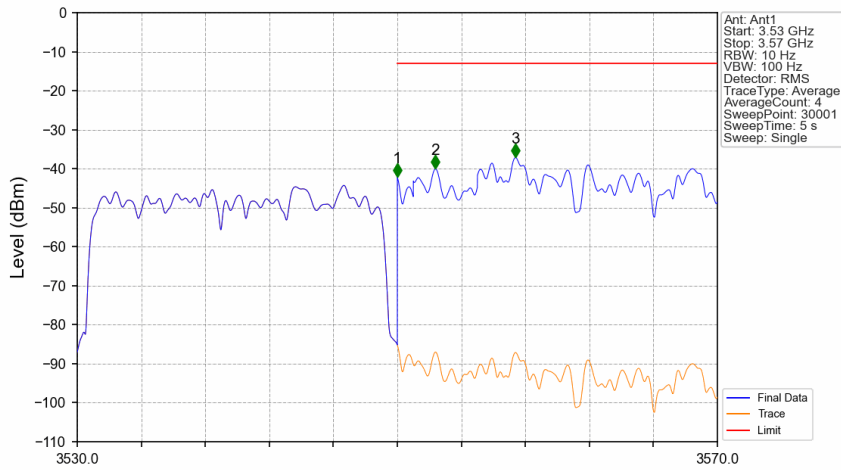


Band42a\_20MHz\_16QAM\_HCH\_3540MHz\_RB\_1\_99\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0	0	/	/	/	/	/
3550	3551	0.2	43.01	1	3550.000	-34.08	-13	Pass
3551	3555	0.5	46.99	2	3552.664	-39.86	-13	Pass
3555	3570	1	50	3	3557.063	-41.24	-13	Pass

Band42a\_20MHz\_16QAM\_HCH\_3540MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0	0	/	/	/	/	/
3550	3551	0.2	43.01	1	3550.000	-42.17	-13	Pass
3551	3555	0.5	46.99	2	3552.384	-40.04	-13	Pass
3555	3570	1	50	3	3557.385	-37.14	-13	Pass

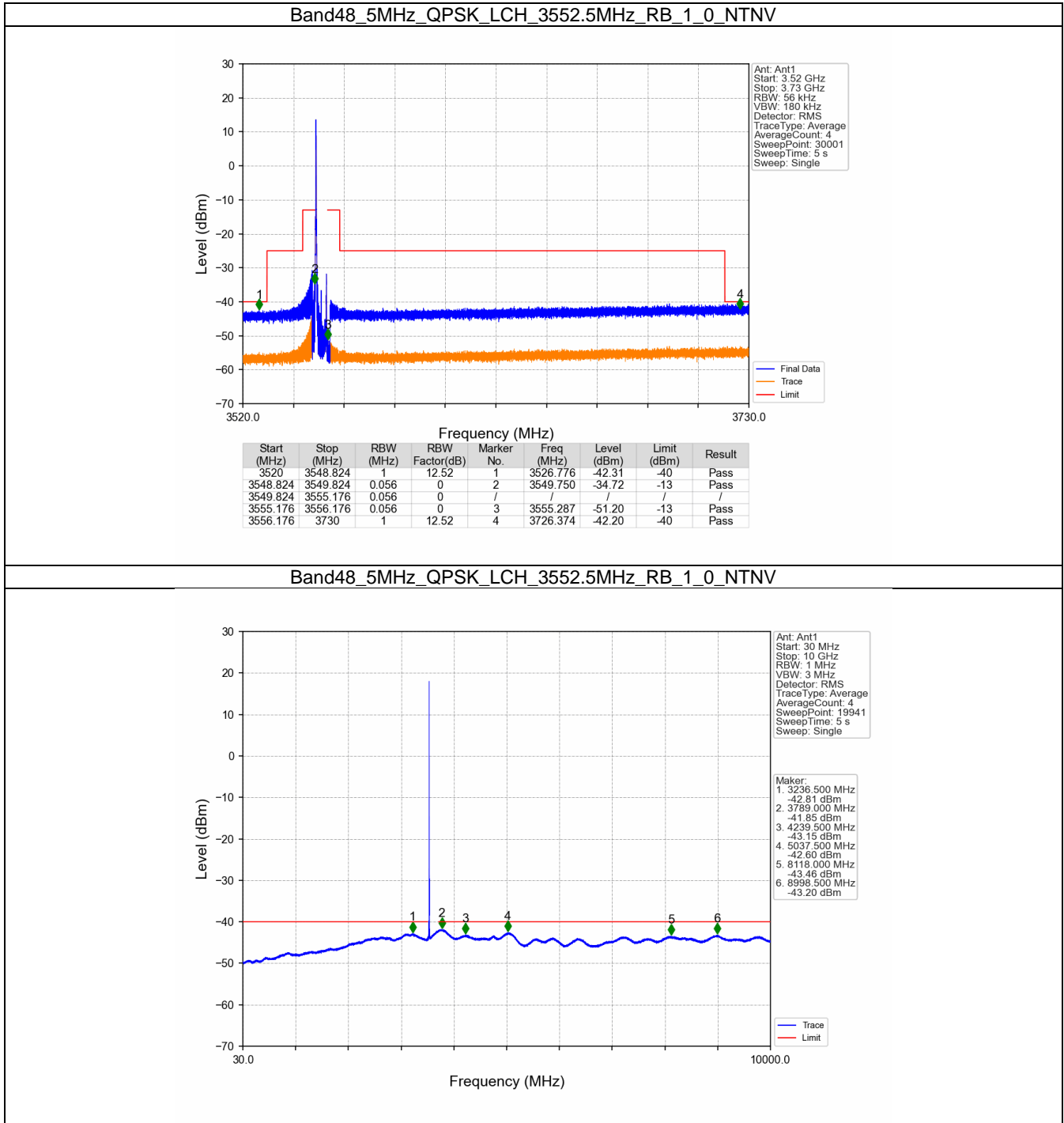
## 15. Spurious Emission

### 15.1 B48\_5MHz

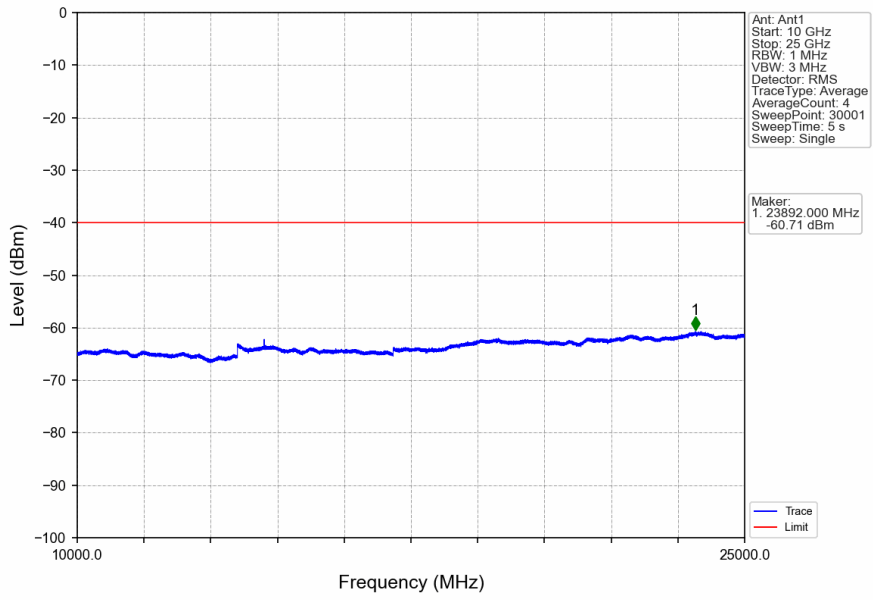
#### 15.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

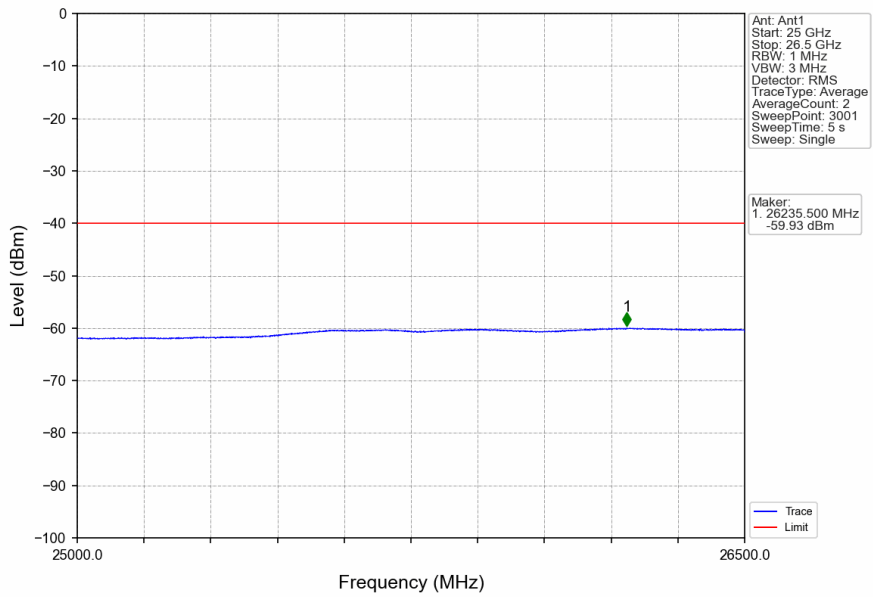
### 15.1.2 Test Graph



Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV

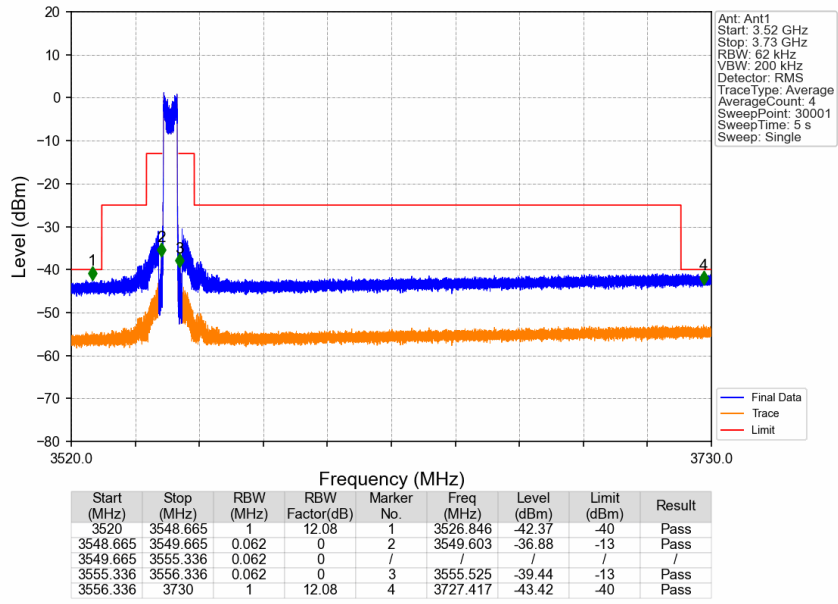


Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV

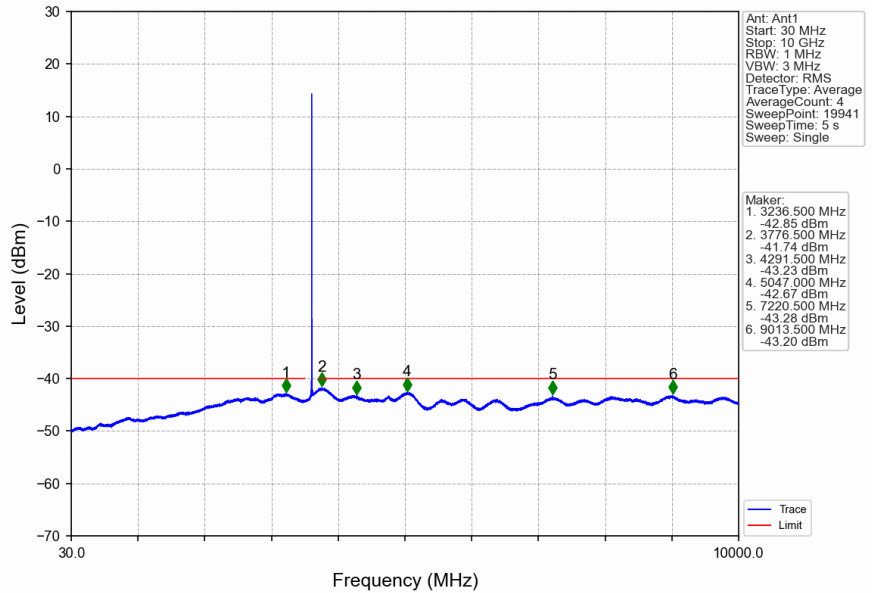




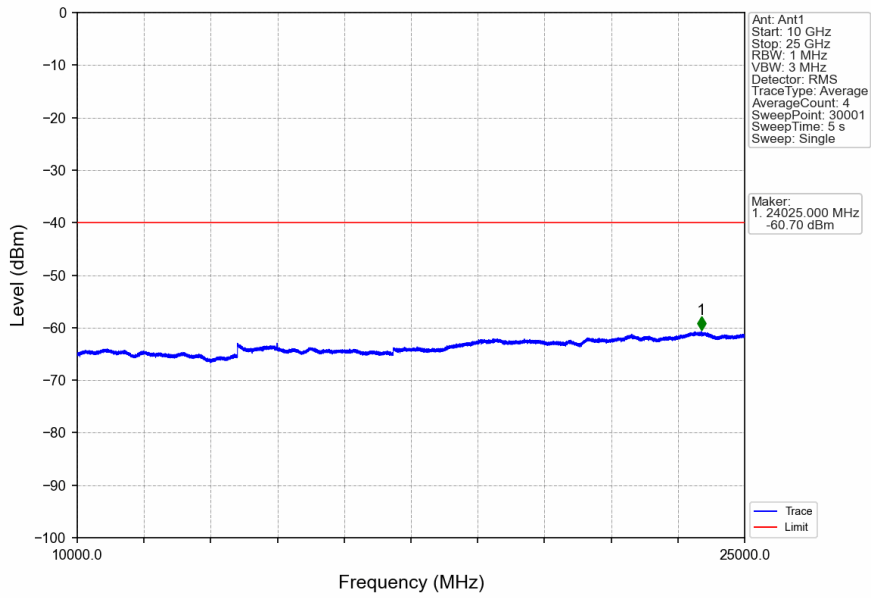
Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_25\_0\_NTNV



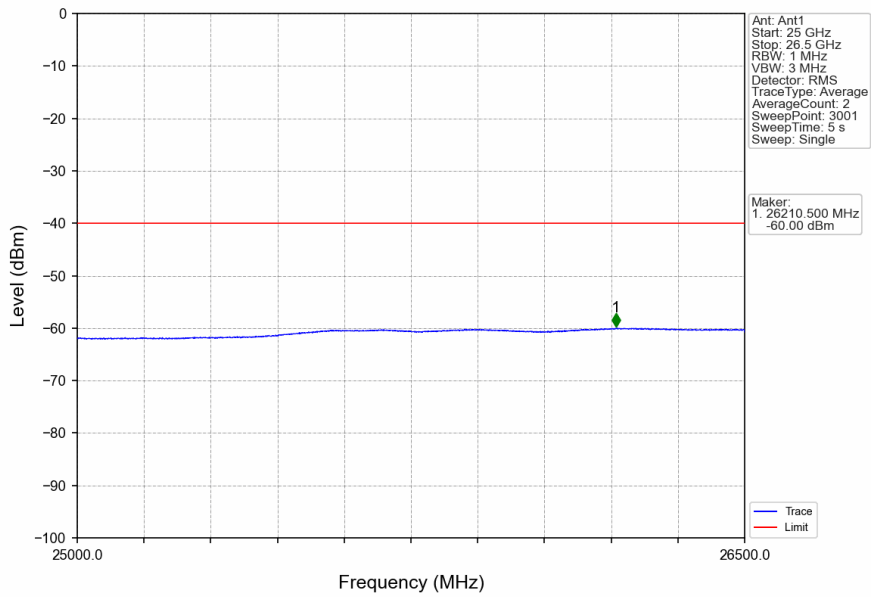
Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



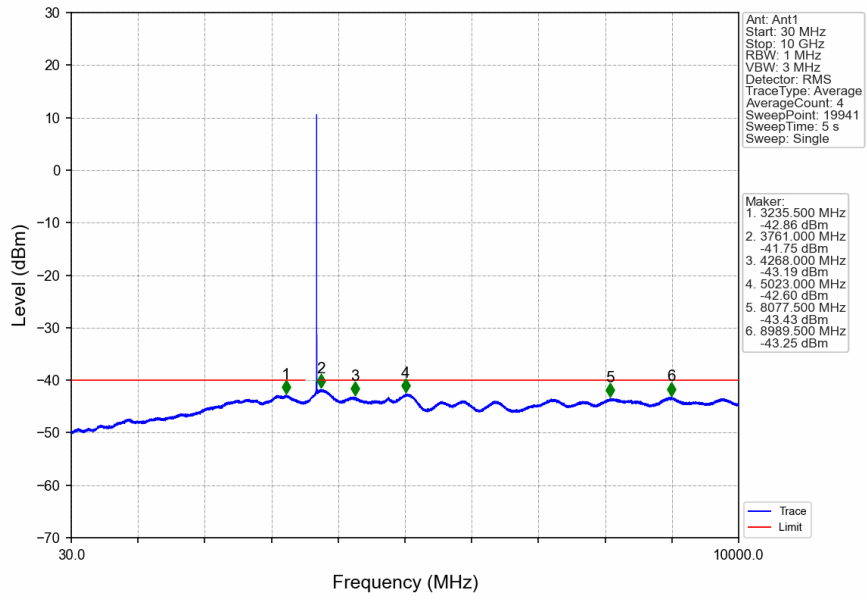
Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



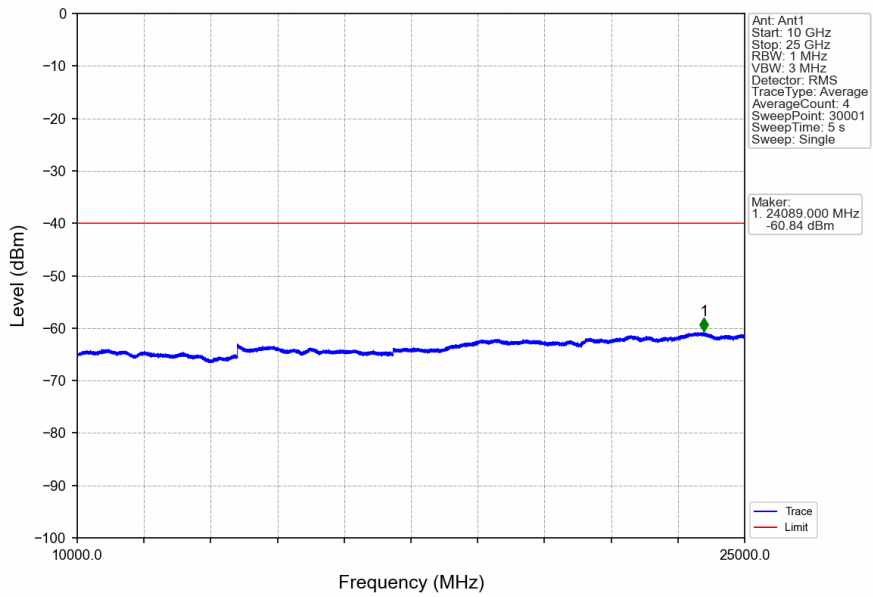
Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



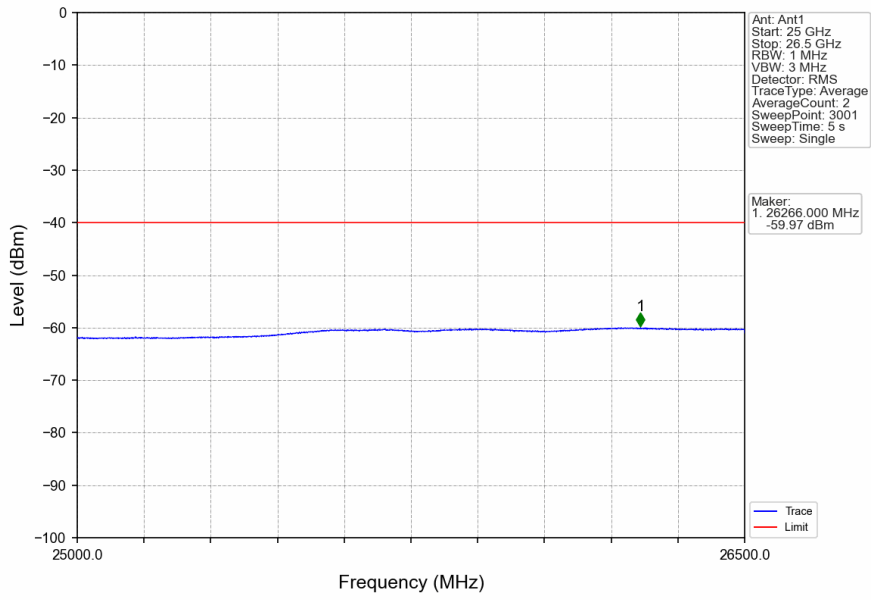
Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



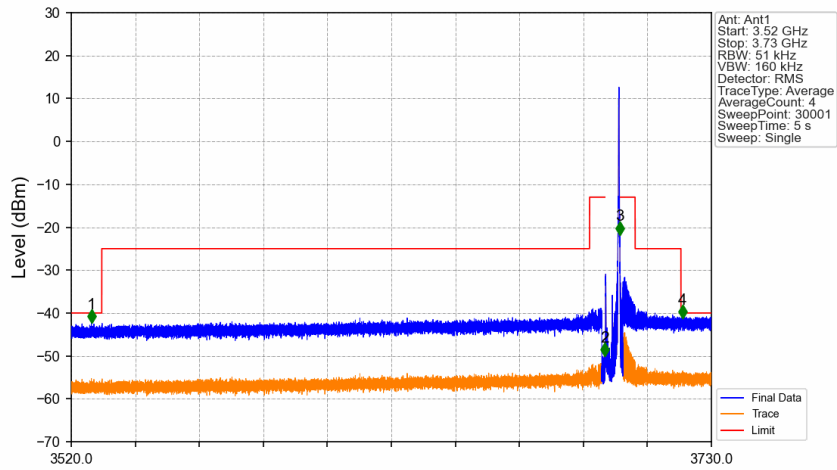
Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV

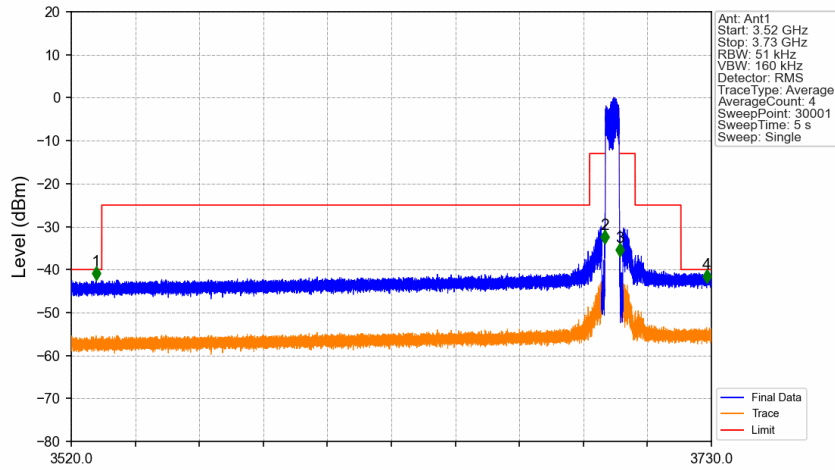


Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_24\_NTNV



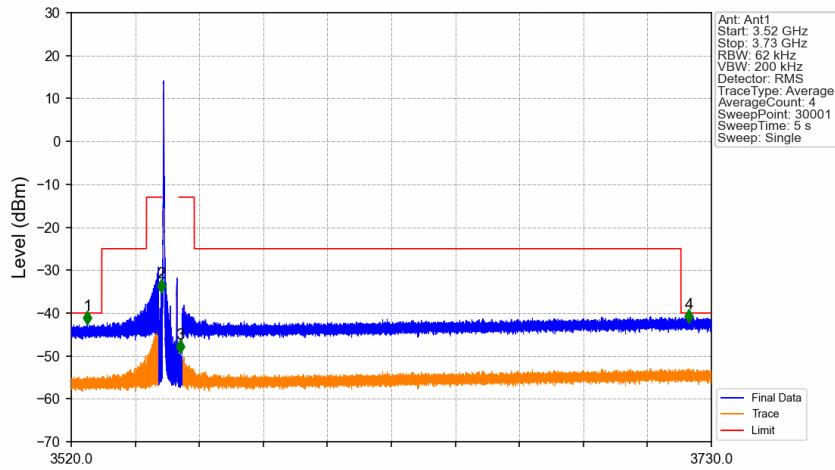
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.037	1	12.92	1	3526.601	-42.36	-40	Pass
3694.037	3695.037	0.051	0	2	3694.965	-50.04	-13	Pass
3695.037	3699.963	0.051	0	/	/	/	/	/
3699.963	3700.963	0.051	0	3	3699.963	-21.77	-13	Pass
3700.963	3730	1	12.92	4	3720.578	-41.33	-40	Pass

Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



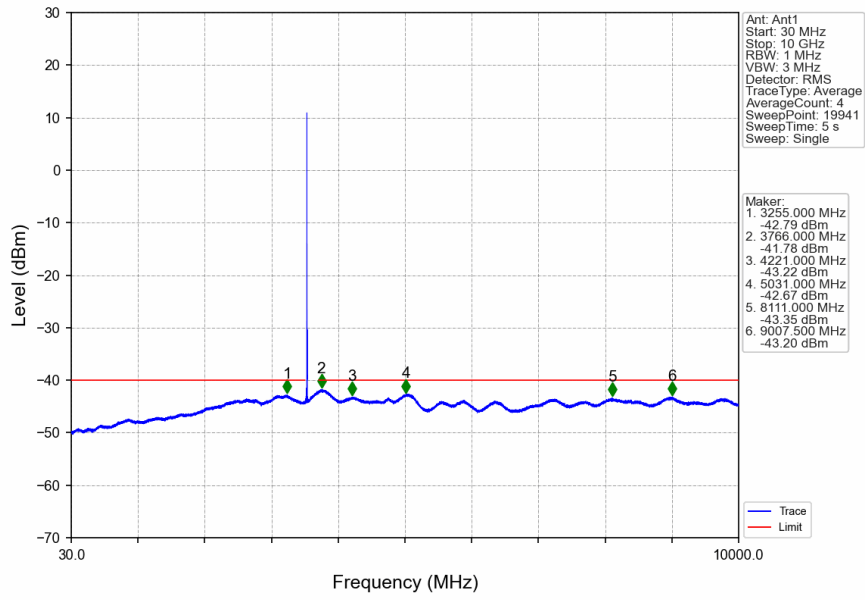
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.037	1	12.92	1	3528.155	-42.47	-40	Pass
3694.037	3695.037	0.051	0	2	3695.035	-34.04	-13	Pass
3695.037	3699.963	0.051	0	7	/	/	/	/
3699.963	3700.963	0.051	0	3	3700.033	-37.00	-13	Pass
3700.963	3730	1	12.92	4	3728.432	-43.13	-40	Pass

Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV

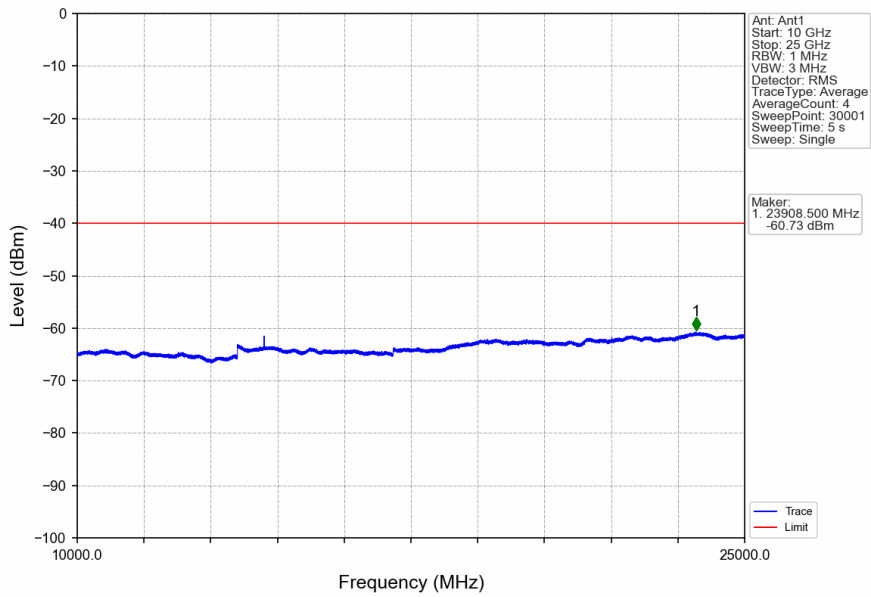


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.665	1	12.08	1	3525.299	-42.72	-40	Pass
3548.665	3549.665	0.062	0	2	3549.526	-35.16	-13	Pass
3549.665	3555.336	0.062	0	/	/	/	/	/
3555.336	3556.336	0.062	0	3	3555.714	-49.31	-13	Pass
3556.336	3730	1	12.08	4	3722.608	-42.37	-40	Pass

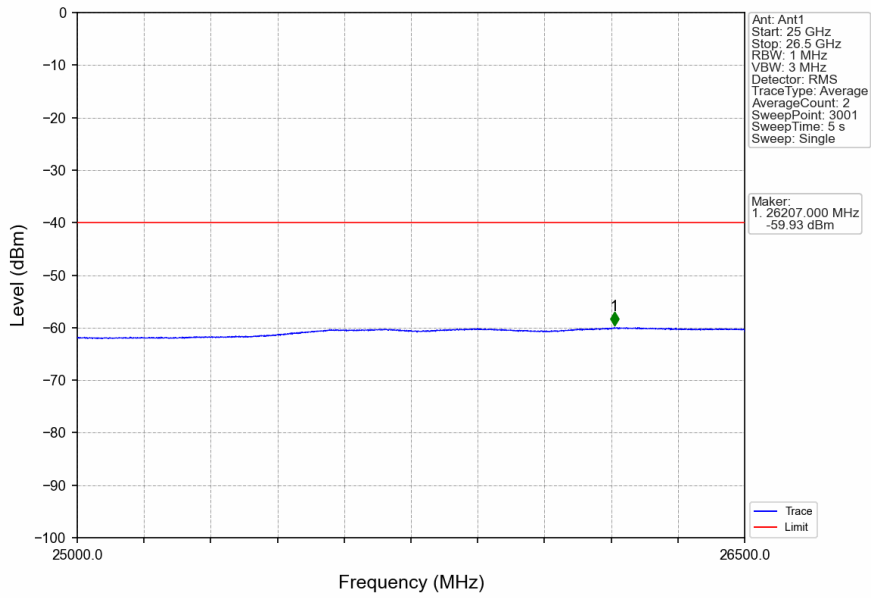
Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV



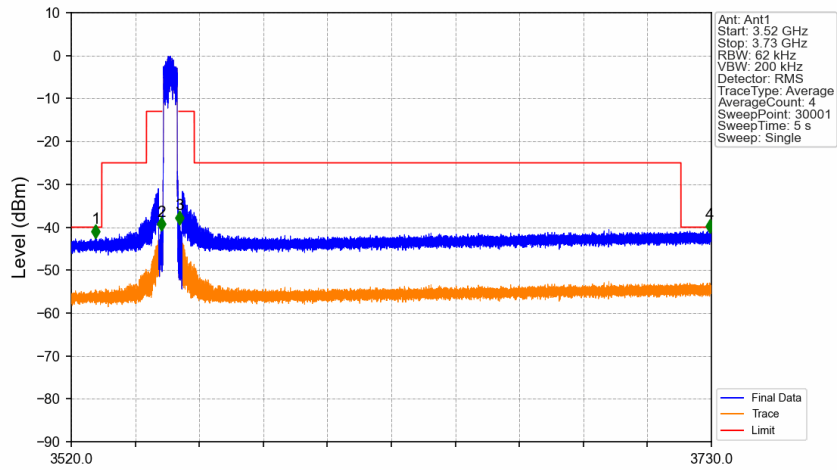
Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV



Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV

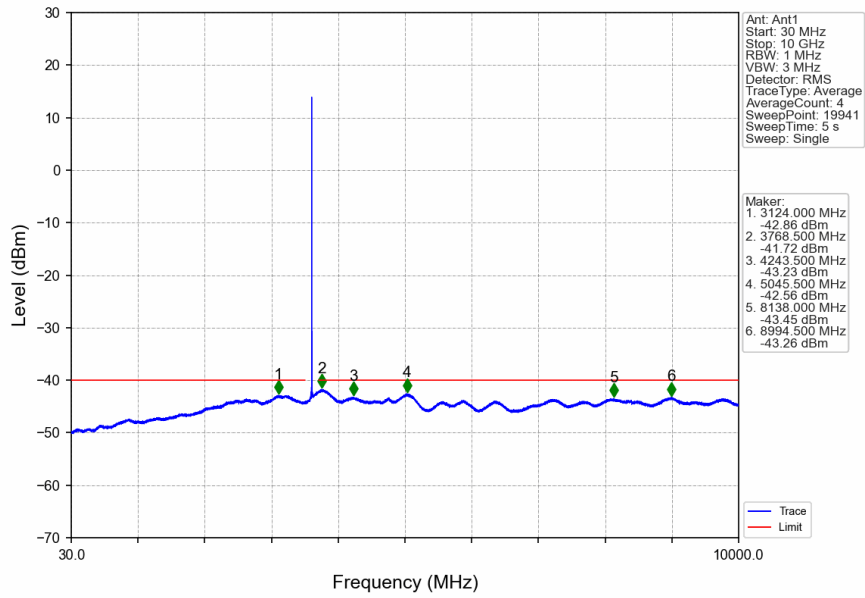


Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_25\_0\_NTNV

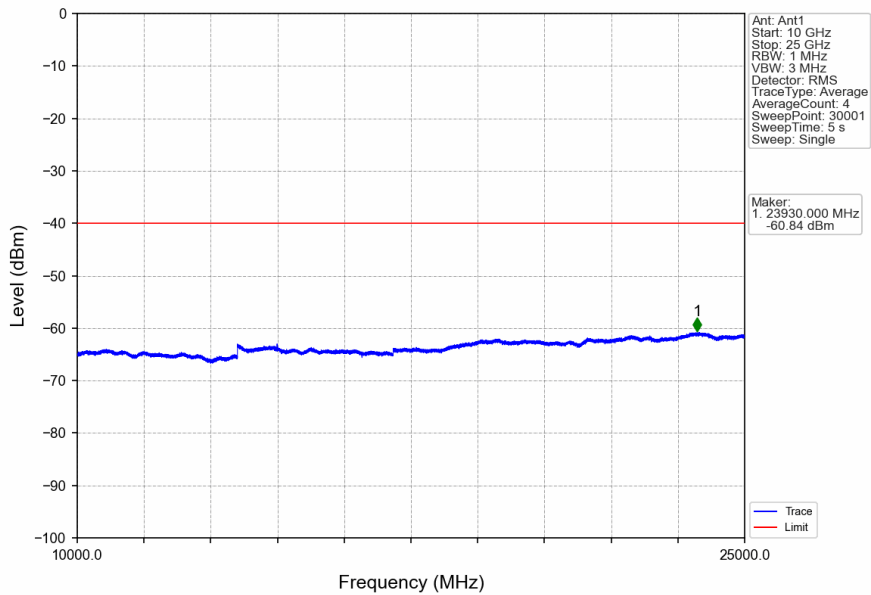


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.665	1	12.08	1	3527.980	-42.47	-40	Pass
3548.665	3549.665	0.062	0	2	3549.484	-40.74	-13	Pass
3549.665	3555.336	0.062	0	/	/	/	/	/
3555.336	3556.336	0.062	0	3	3555.413	-39.30	-13	Pass
3556.336	3730	1	12.08	4	3729.405	-41.27	-40	Pass

Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV

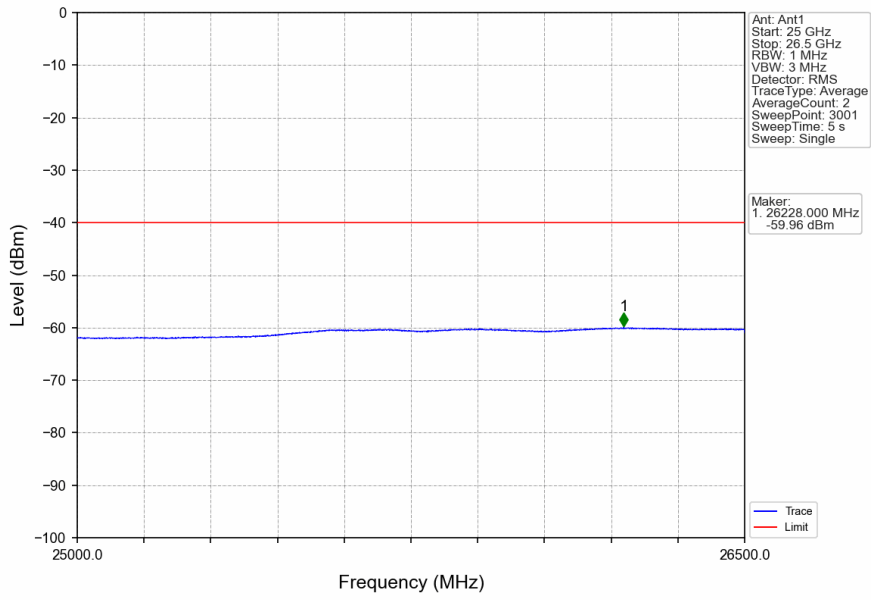


Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV

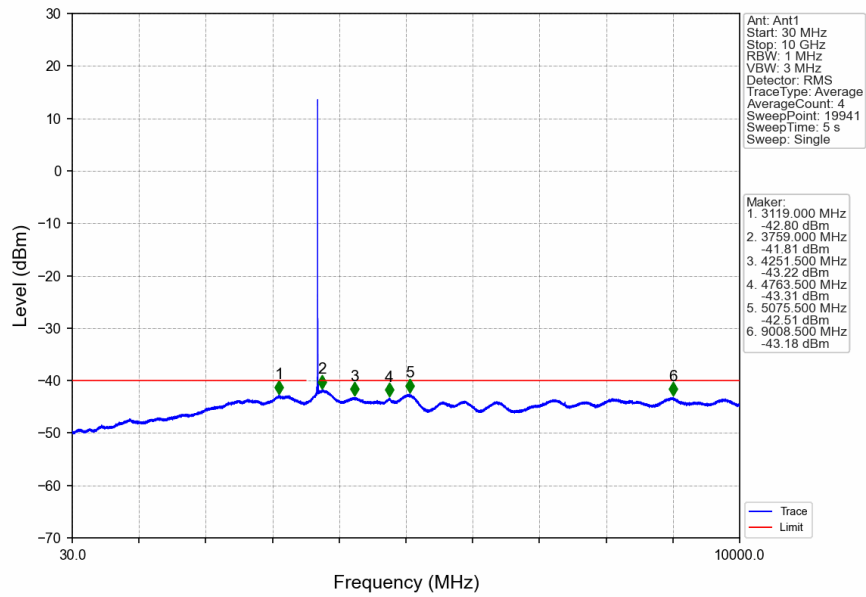




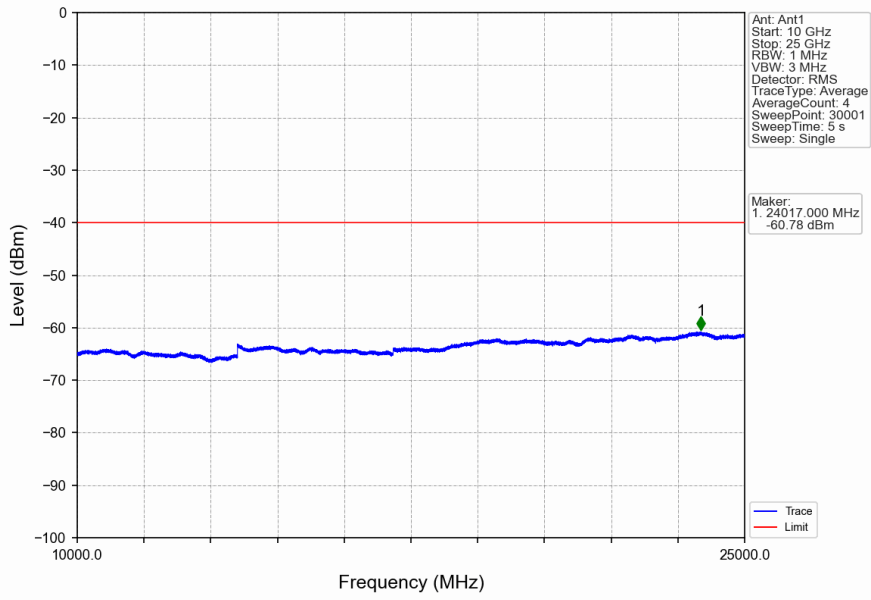
Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



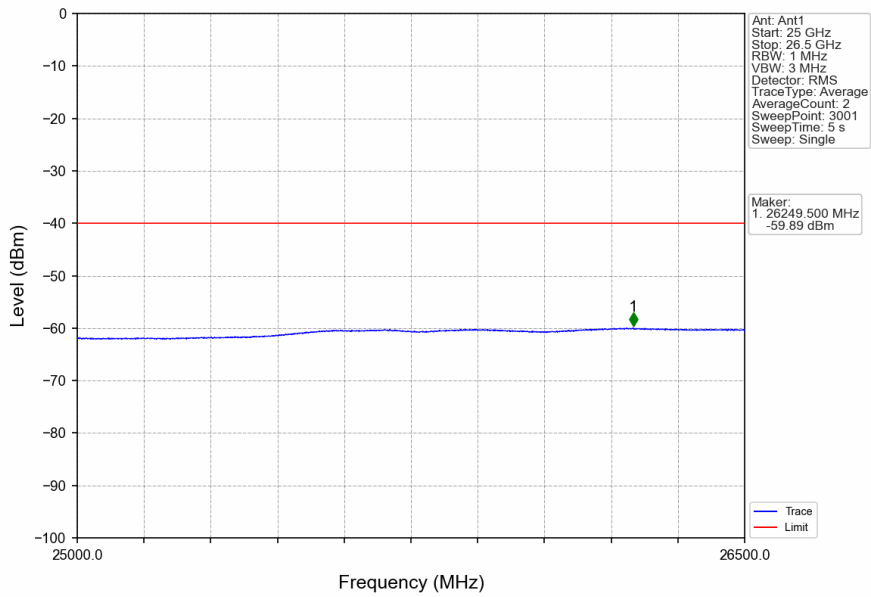
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



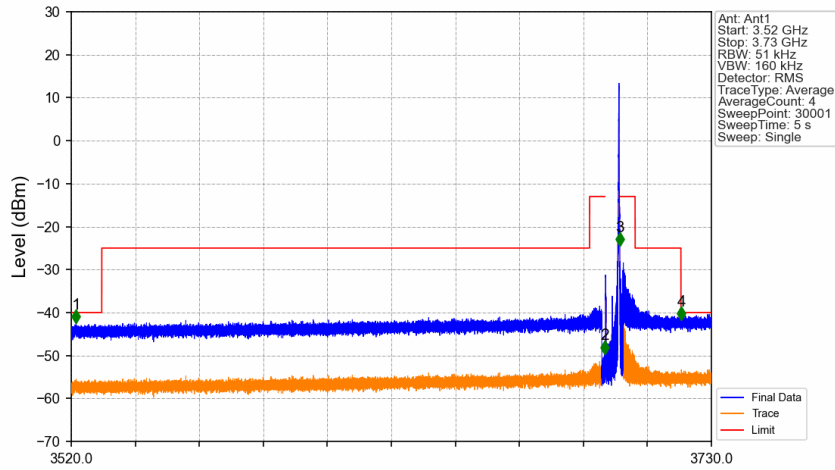
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV

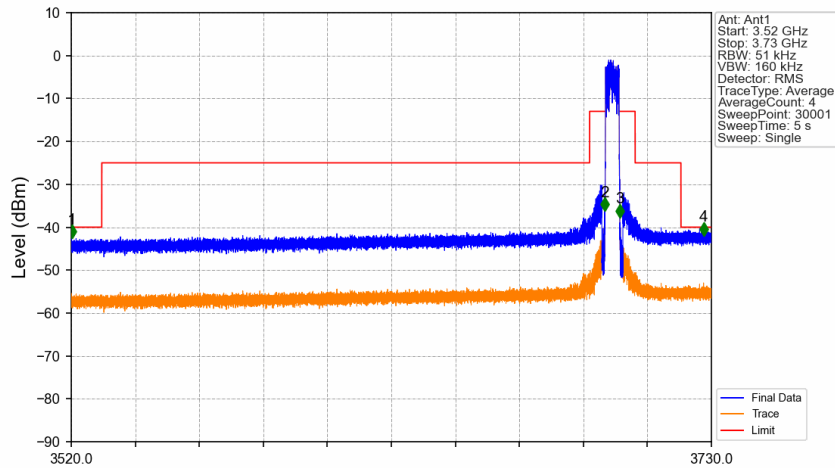


Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.037	1	12.92	1	3521.596	-42.53	-40	Pass
3694.037	3695.037	0.051	0	2	3694.930	-49.63	-13	Pass
3695.037	3699.963	0.051	0	/	/	/	/	/
3699.963	3700.963	0.051	0	3	3699.970	-24.45	-13	Pass
3700.963	3730	1	12.92	4	3720.123	-41.74	-40	Pass

Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV



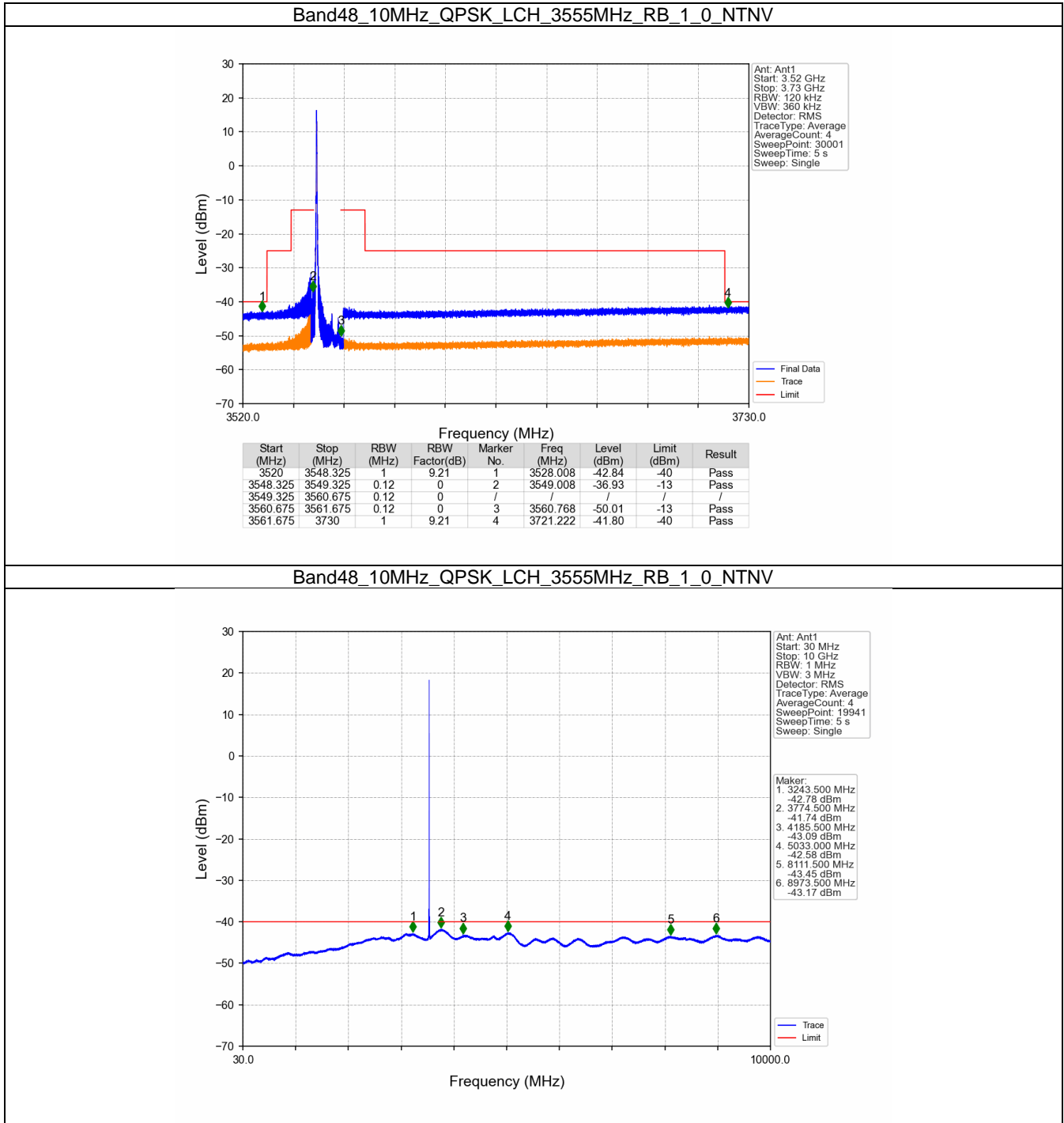
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694.037	1	12.92	1	3520.126	-42.51	-40	Pass
3694.037	3695.037	0.051	0	2	3694.965	-36.21	-13	Pass
3695.037	3699.963	0.051	0	/	/	/	/	/
3699.963	3700.963	0.051	0	3	3699.963	-37.71	-13	Pass
3700.963	3730	1	12.92	4	3727.424	-41.94	-40	Pass

## 15.2 B48\_10MHz

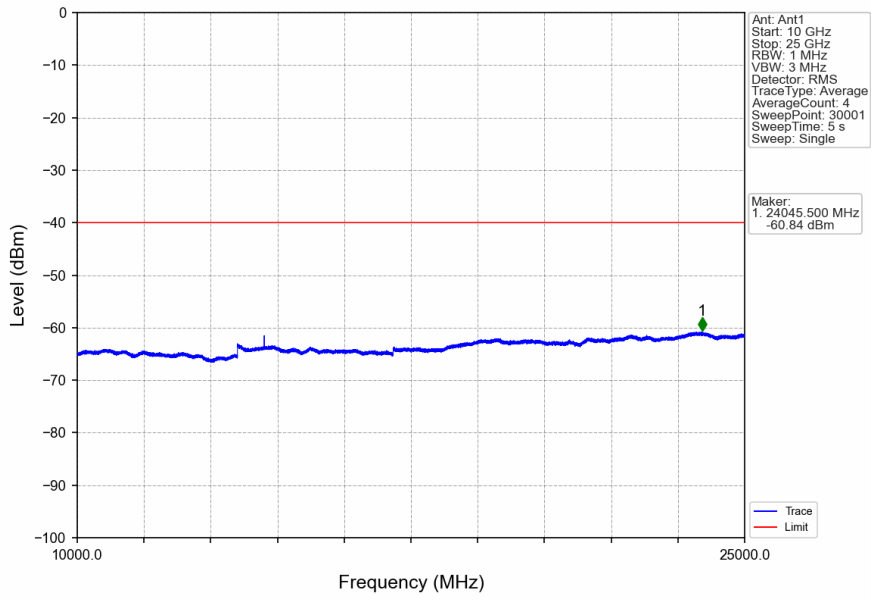
### 15.2.1 Test Result

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

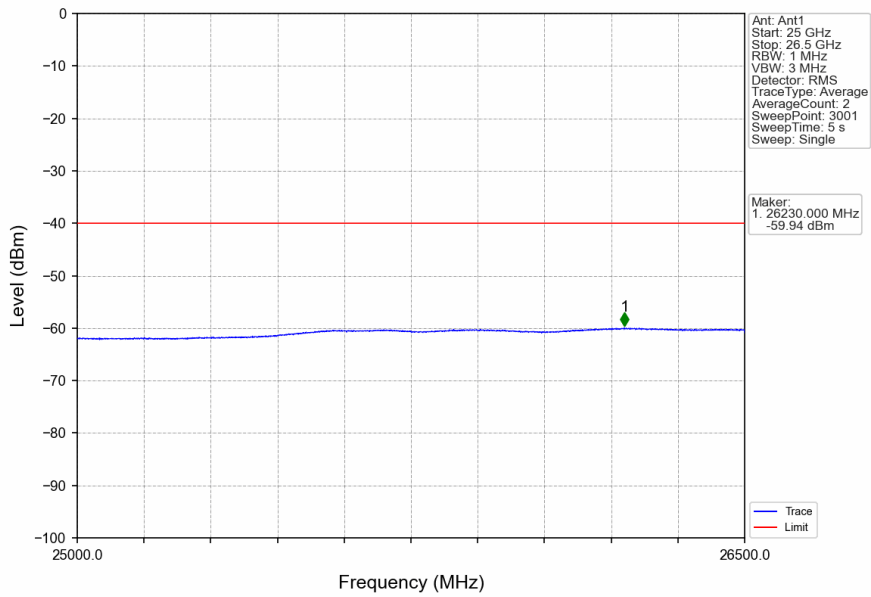
## 15.2.2 Test Graph



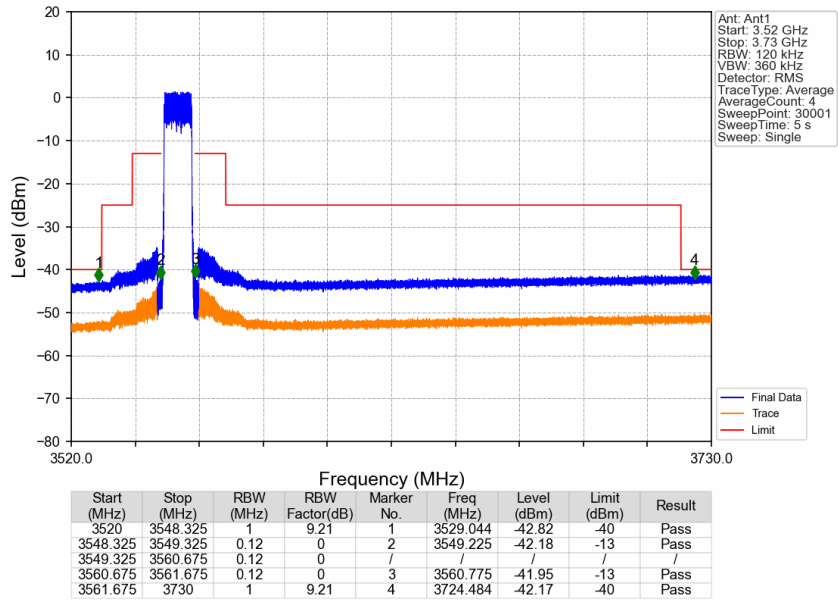
Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_1\_0\_NTNV



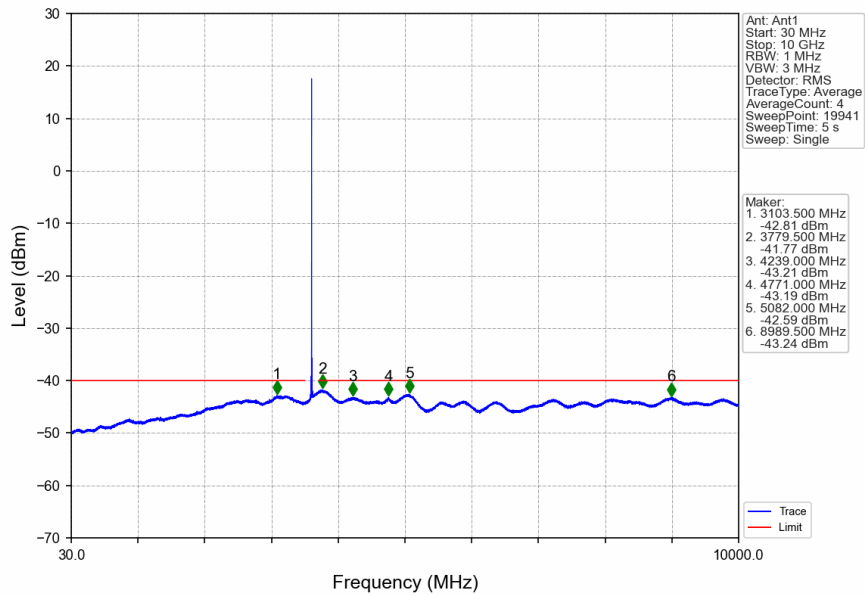
Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_1\_0\_NTNV



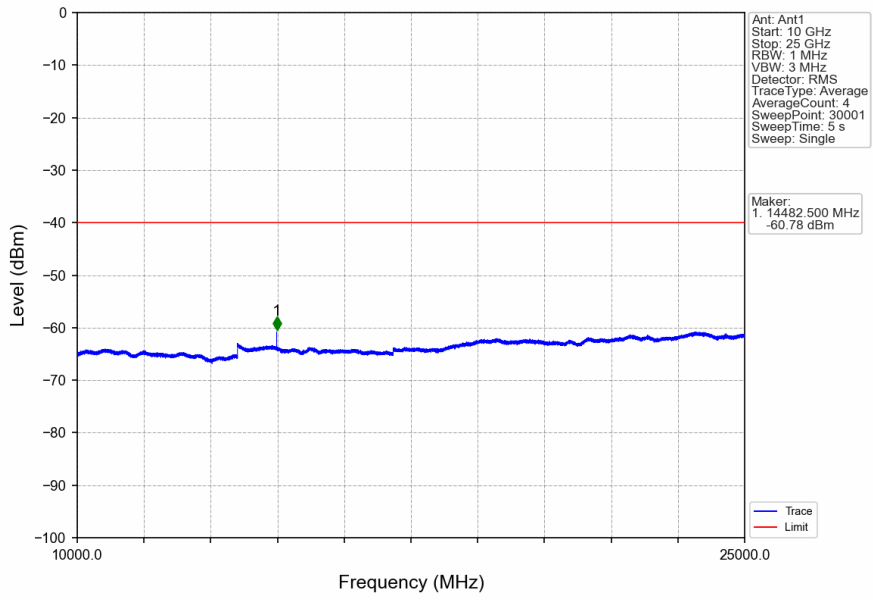
Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_50\_0\_NTNV



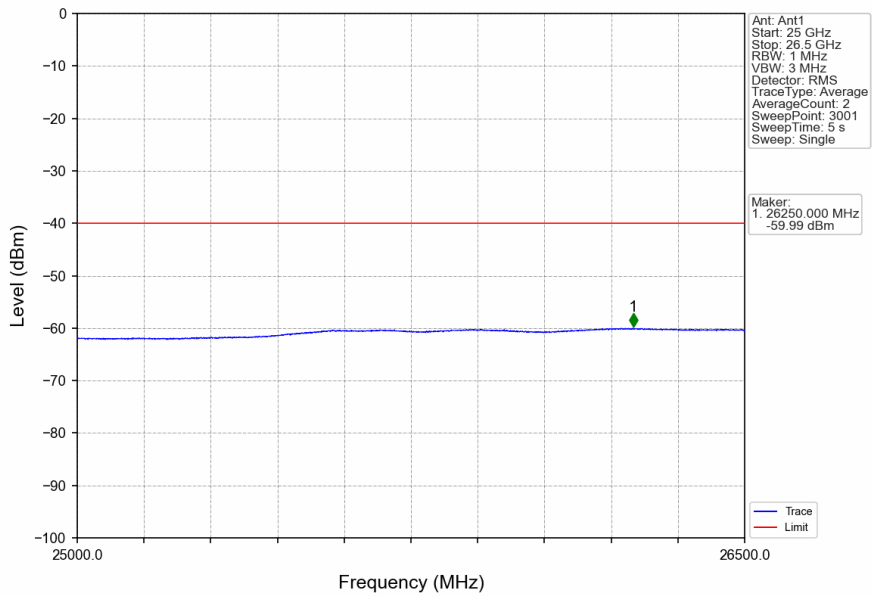
Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV

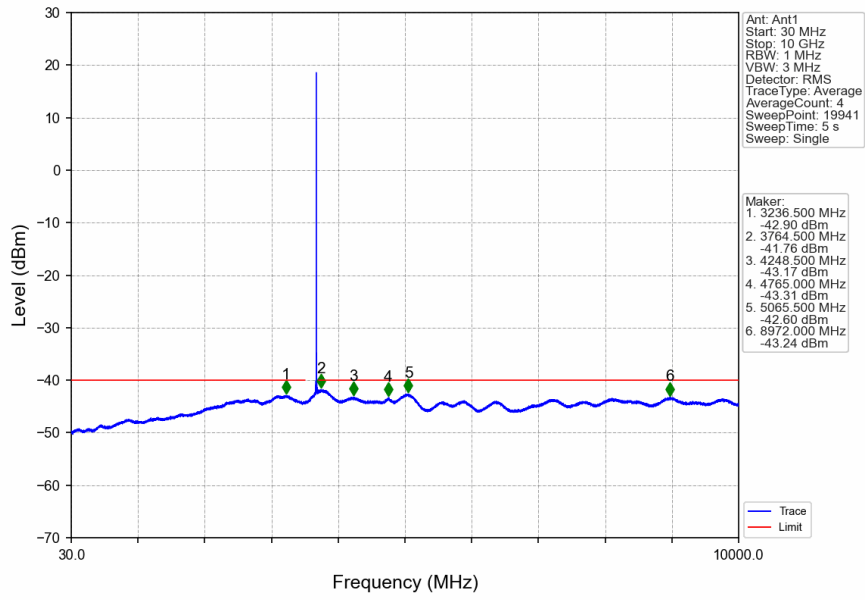


Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV

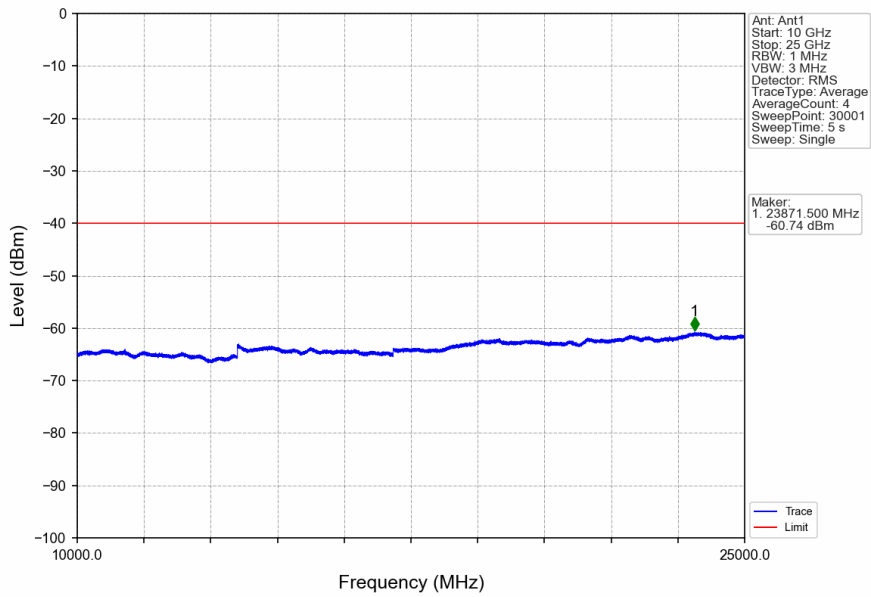




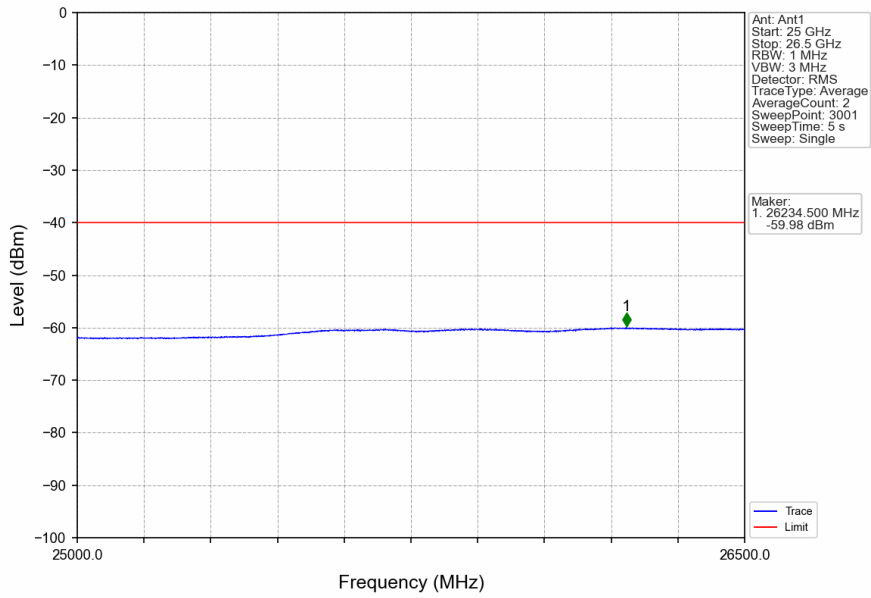
Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_0\_NTNV



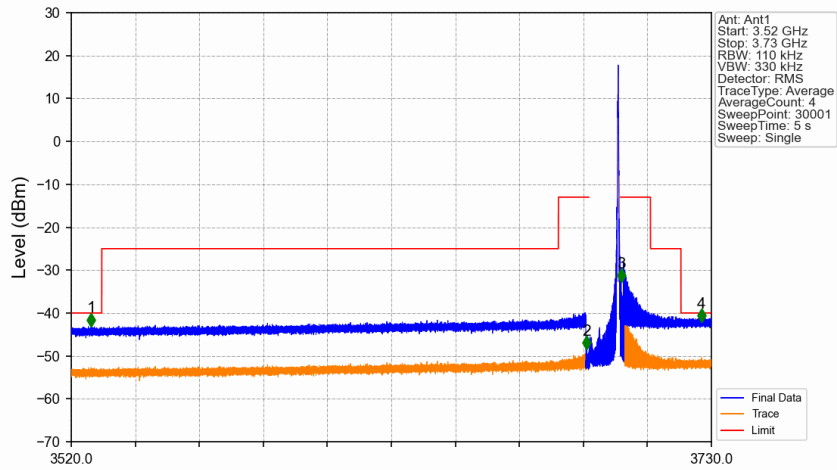
Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_0\_NTNV



Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_0\_NTNV

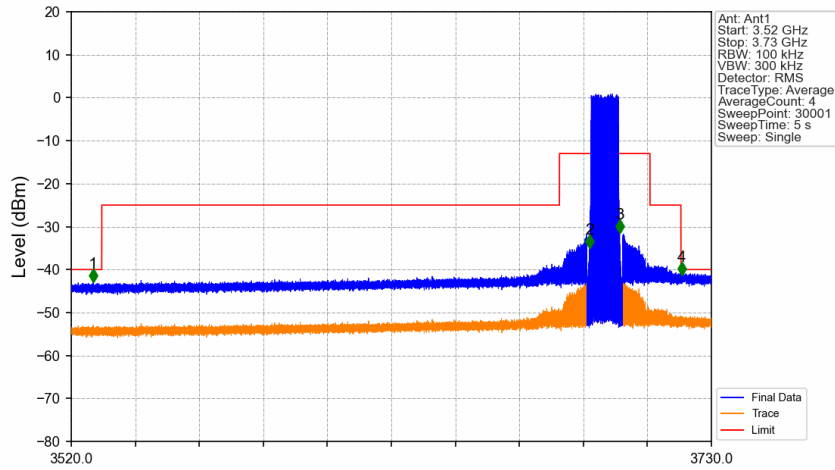


Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_49\_NTNV



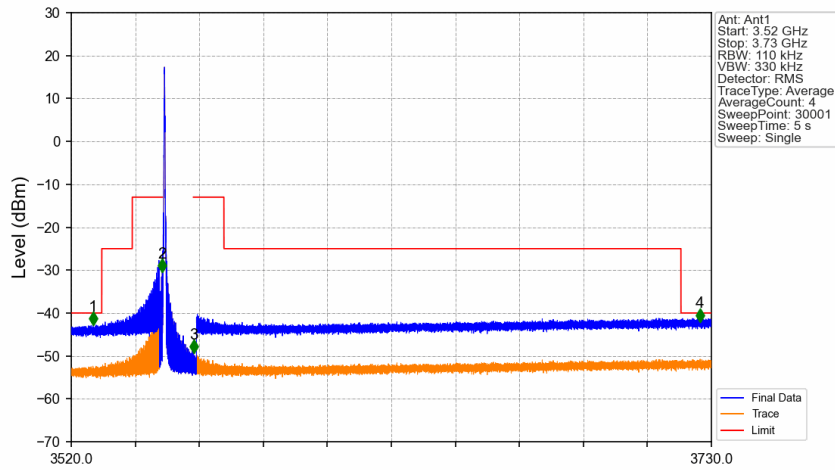
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3688.797	1	9.59	1	3526.510	-43.11	-40	Pass
3688.797	3689.797	0.11	0	2	3689.036	-48.53	-13	Pass
3689.797	3700.204	0.11	0	/	/	/	/	/
3700.204	3701.204	0.11	0	3	3700.376	-32.84	-13	Pass
3701.204	3730	1	9.59	4	3726.780	-42.18	-40	Pass

Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_50\_0\_NTNV



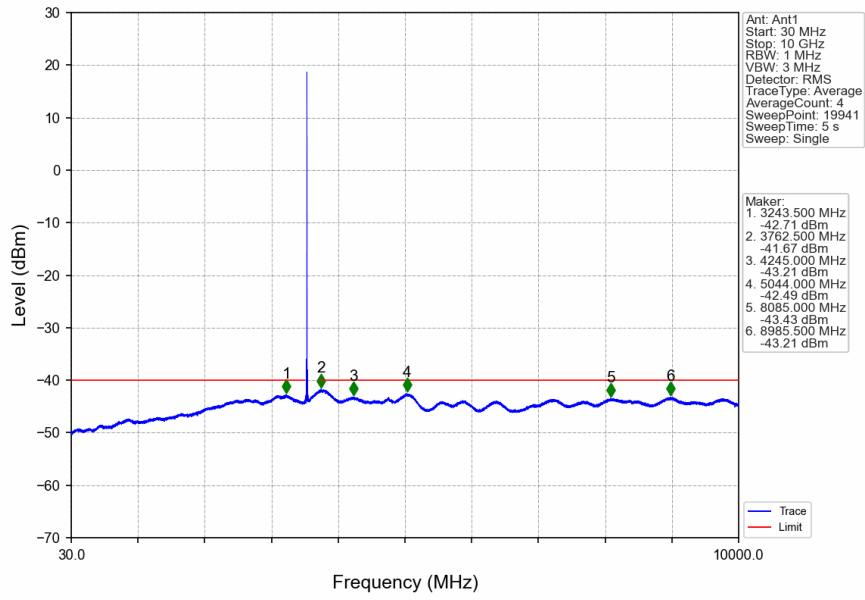
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.151	1	10	1	3527.210	-42.94	-40	Pass
3689.151	3690.151	0.1	0	2	3690.044	-35.03	-13	Pass
3690.151	3699.849	0.1	0	3	3699.865	-31.48	-13	Pass
3699.849	3700.849	0.1	0	4	3720.305	-41.44	-40	Pass

Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV

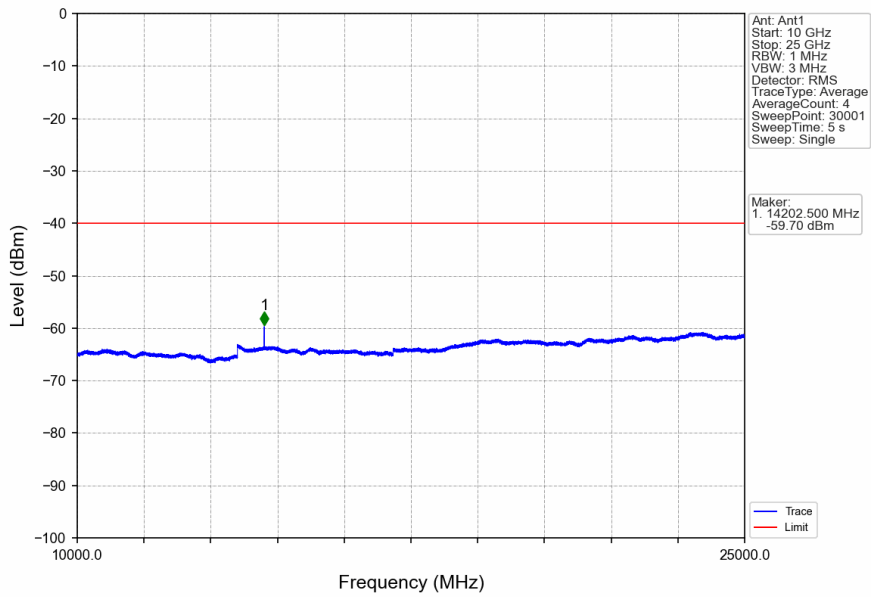


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.929	1	9.59	1	3527.112	-42.79	-40	Pass
3548.929	3549.929	0.11	0	2	3549.855	-30.51	-13	Pass
3549.929	3560.071	0.11	0	3	3560.110	-49.33	-13	Pass
3560.071	3561.071	0.11	0	4	3726.283	-42.07	-40	Pass

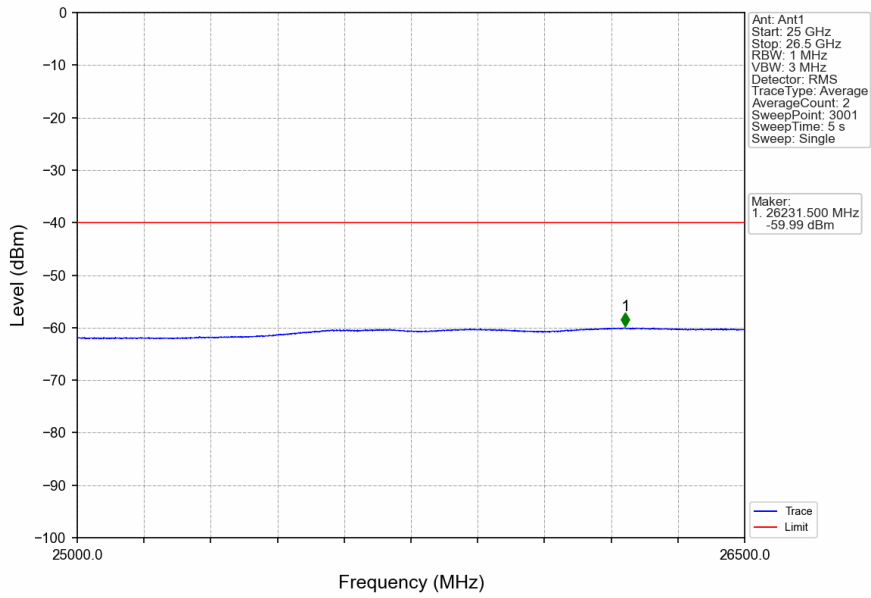
Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV



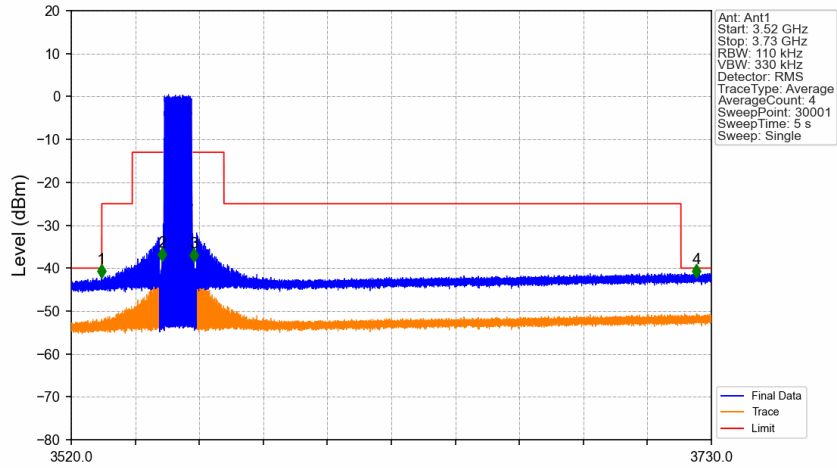
Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV



Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV

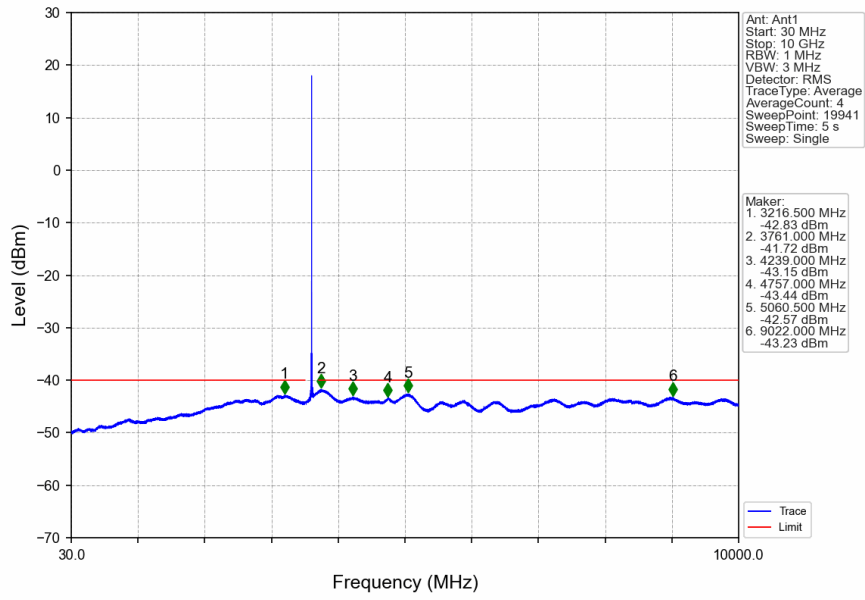


Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_50\_0\_NTNV

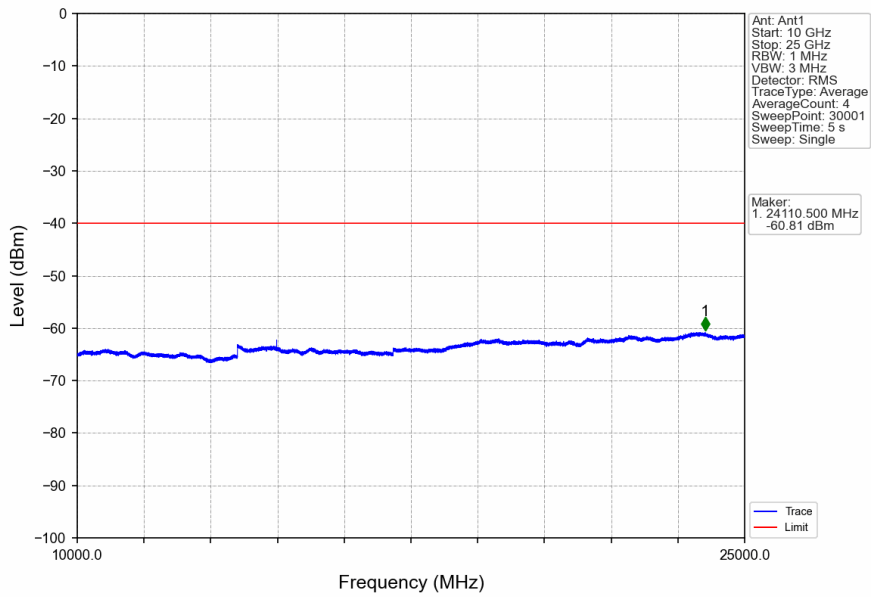


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.929	1	9.59	1	3529.905	-42.32	-40	Pass
3548.929	3549.929	0.11	0	2	3549.813	-38.33	-13	Pass
3549.929	3560.071	0.11	0	/	/	/	/	/
3560.071	3561.071	0.11	0	3	3560.138	-38.60	-13	Pass
3561.071	3730	1	9.59	4	3725.086	-42.29	-40	Pass

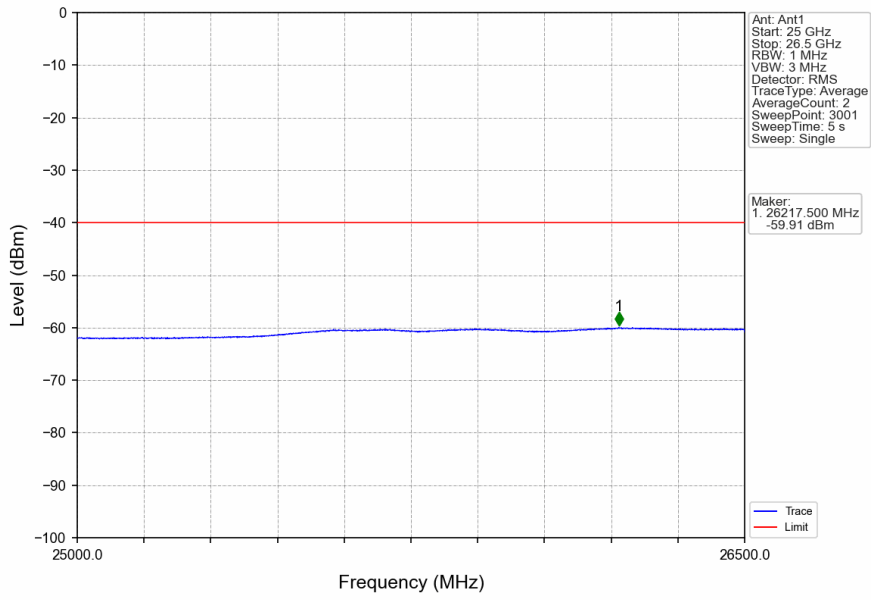
Band48\_10MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



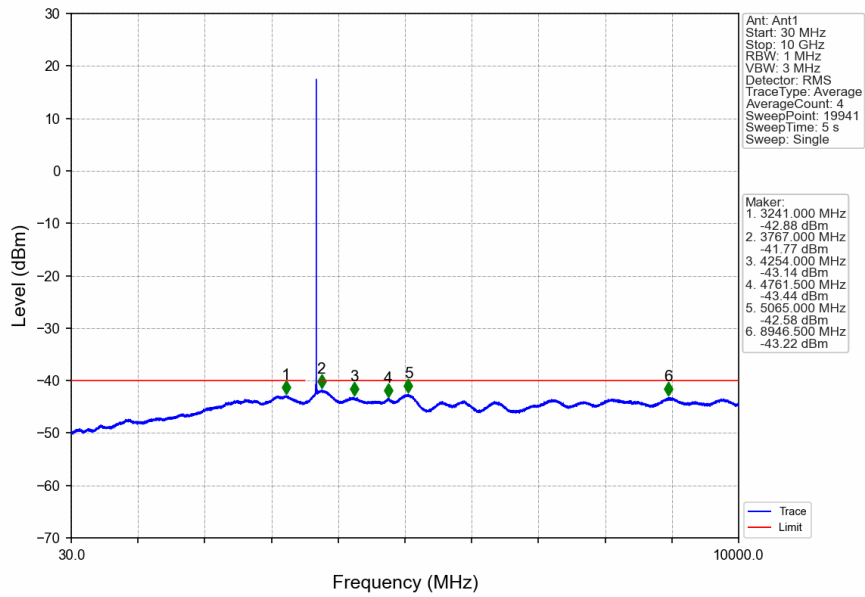
Band48\_10MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



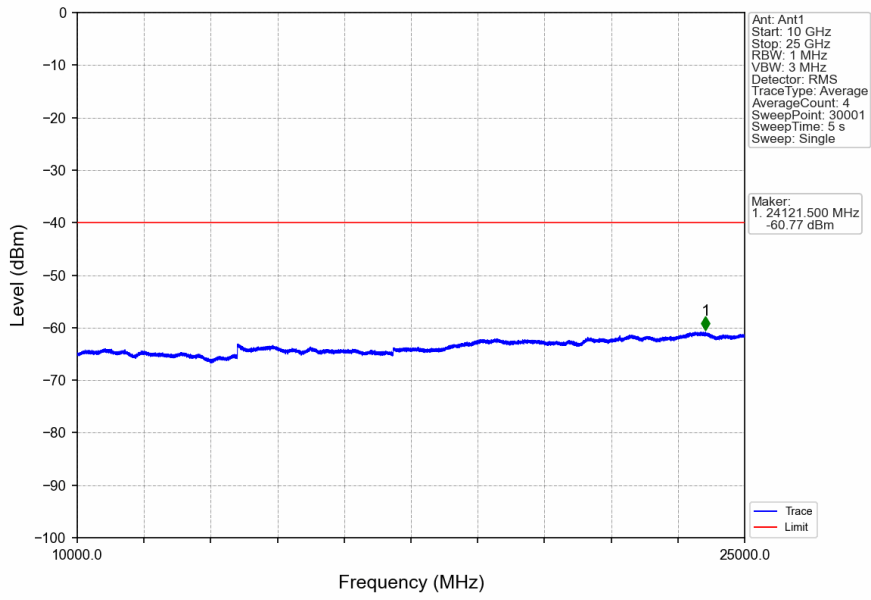
Band48\_10MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



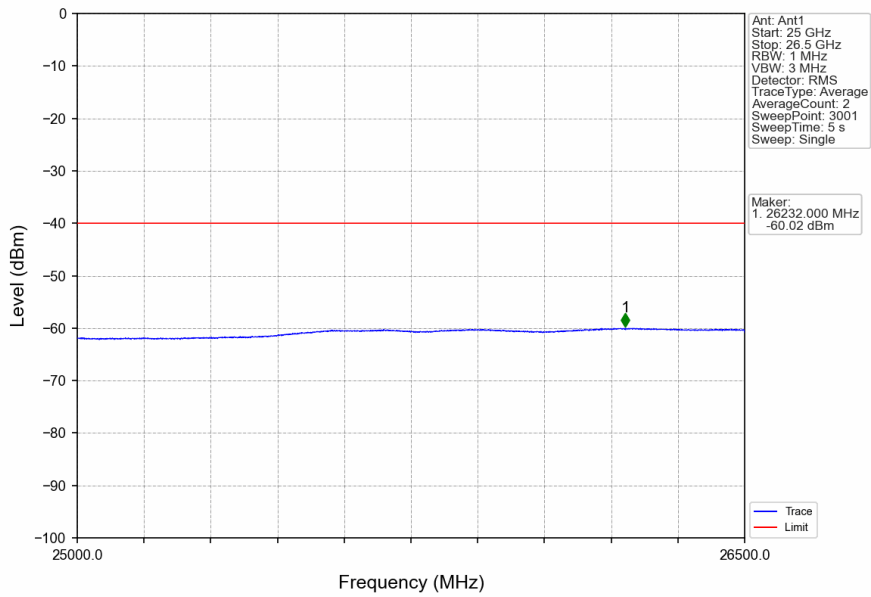
Band48\_10MHz\_16QAM\_HCH\_3695MHz\_RB\_1\_0\_NTNV



Band48\_10MHz\_16QAM\_HCH\_3695MHz\_RB\_1\_0\_NTNV

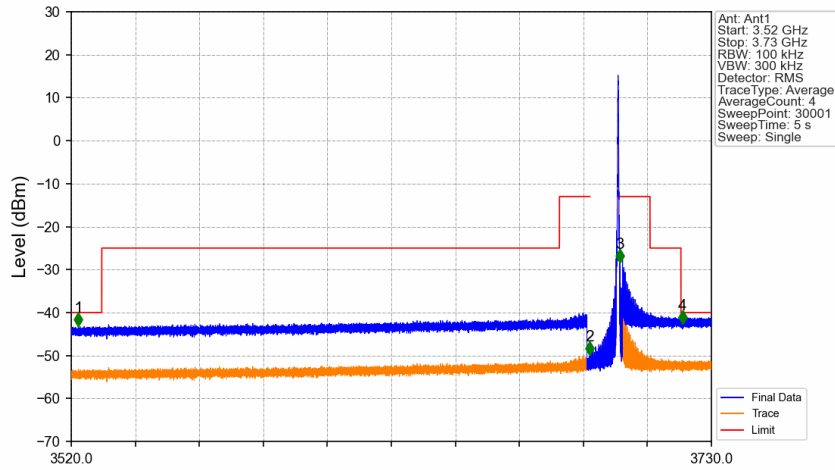


Band48\_10MHz\_16QAM\_HCH\_3695MHz\_RB\_1\_0\_NTNV



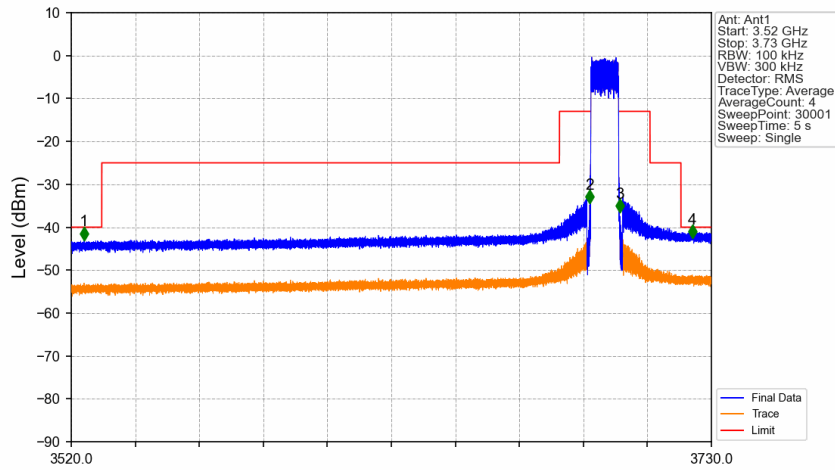


Band48\_10MHz\_16QAM\_HCH\_3695MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.151	1	10	1	3522.303	-43.19	-40	Pass
3689.151	3690.151	0.1	0	2	3690.149	-49.88	-13	Pass
3690.151	3699.849	0.1	0	7	/	/	/	/
3699.849	3700.849	0.1	0	3	3699.921	-28.42	-13	Pass
3700.849	3730	1	10	4	3720.536	-42.61	-40	Pass

Band48\_10MHz\_16QAM\_HCH\_3695MHz\_RB\_50\_0\_NTNV



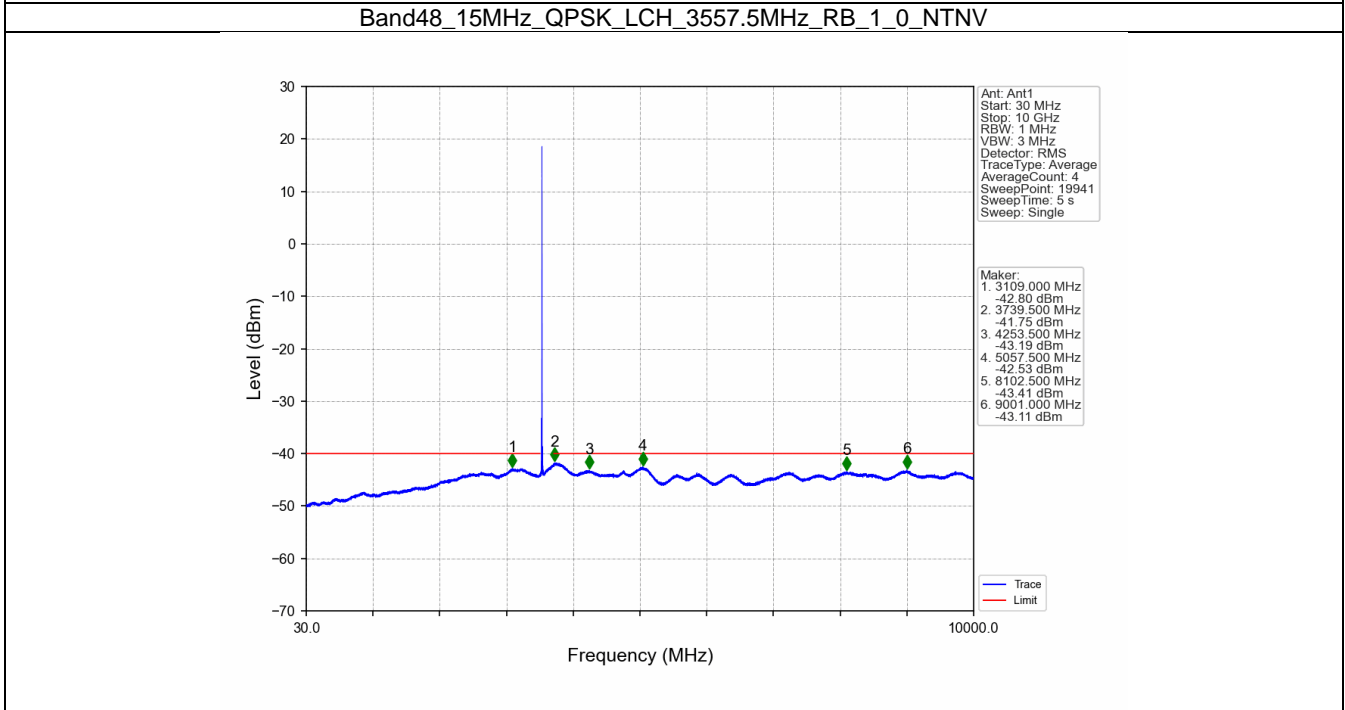
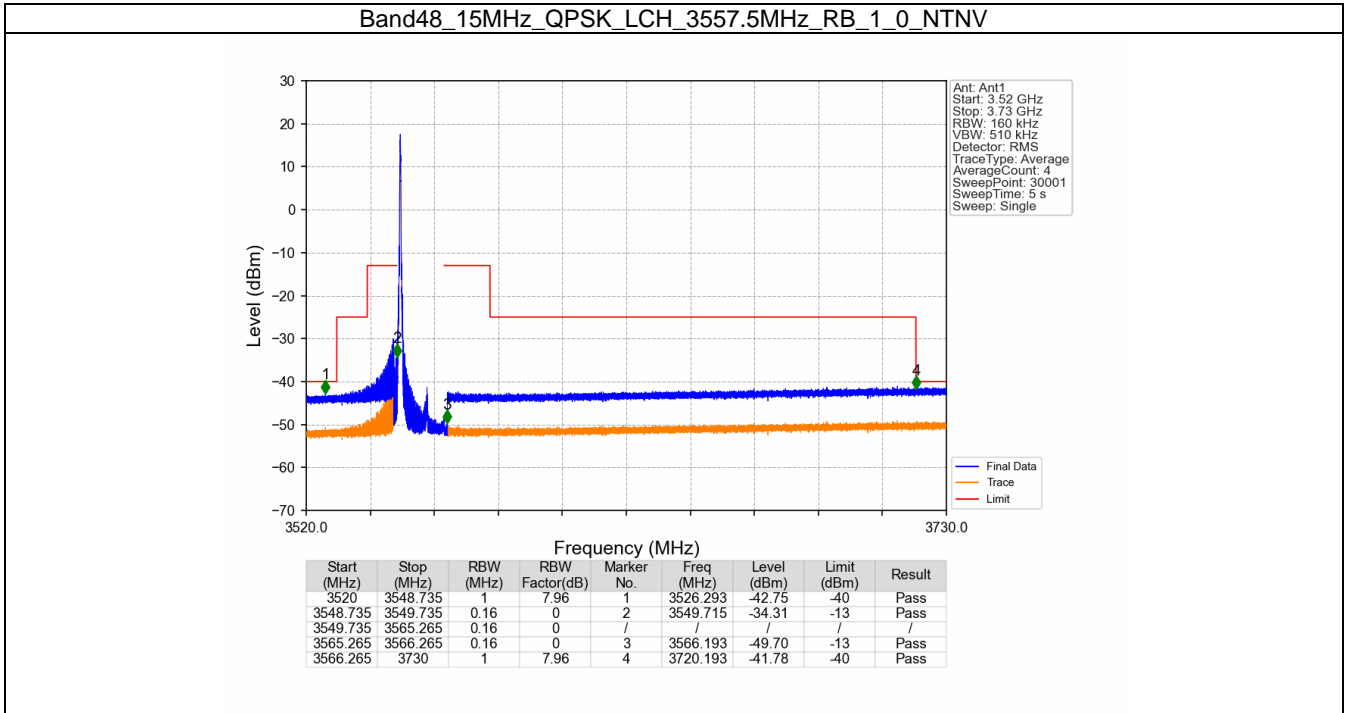
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.151	1	10	1	3524.207	-43.00	-40	Pass
3689.151	3690.151	0.1	0	2	3690.149	-34.46	-13	Pass
3690.151	3699.849	0.1	0	7	/	/	/	/
3699.849	3700.849	0.1	0	3	3699.858	-36.52	-13	Pass
3700.849	3730	1	10	4	3723.707	-42.57	-40	Pass

### 15.3 B48\_15MHz

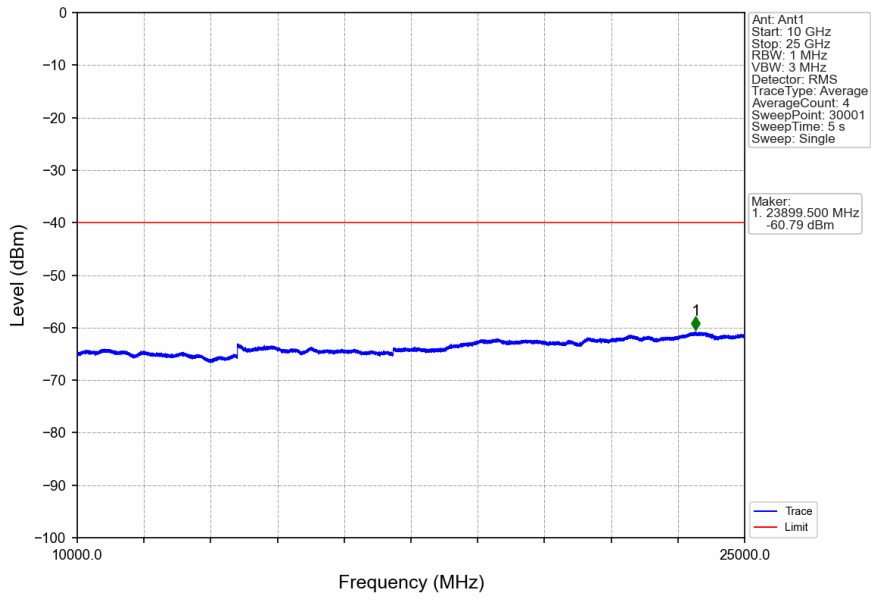
#### 15.3.1 Test Result

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

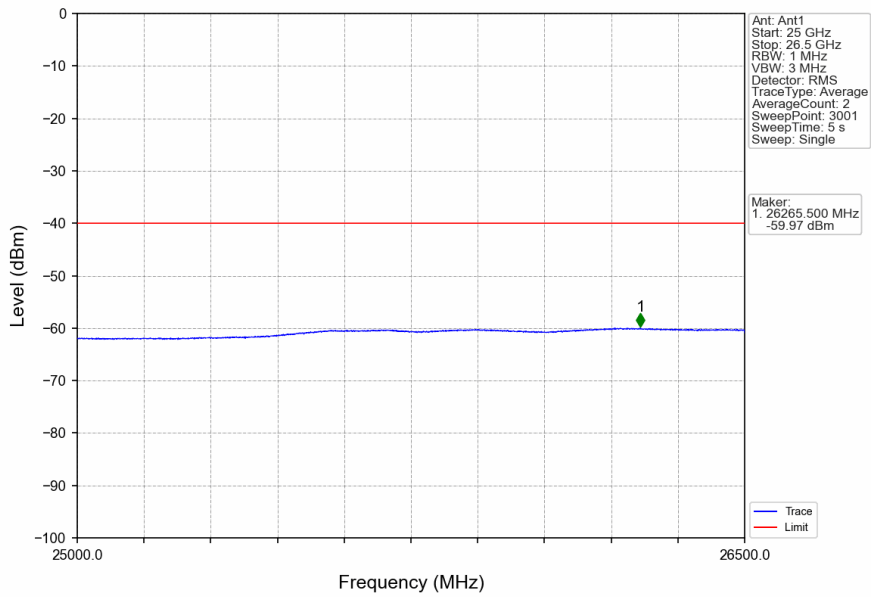
### 15.3.2 Test Graph



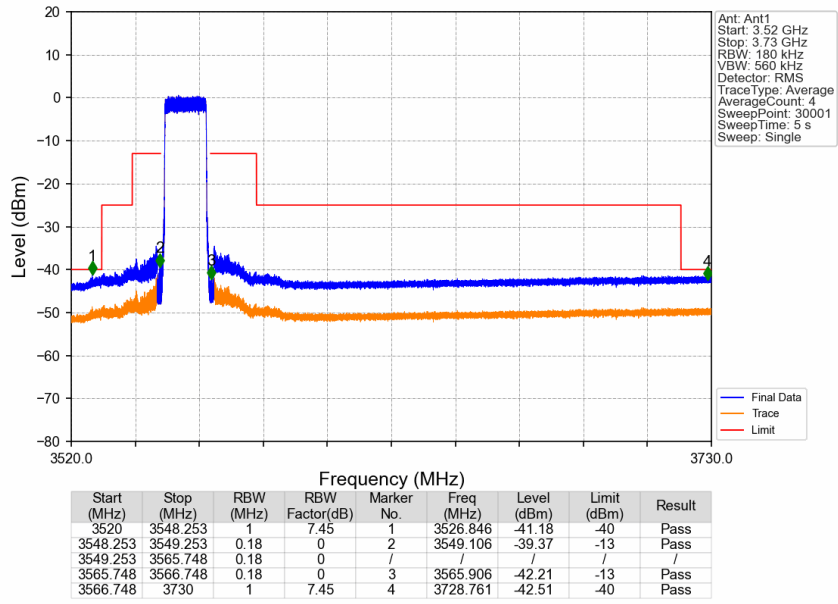
Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV



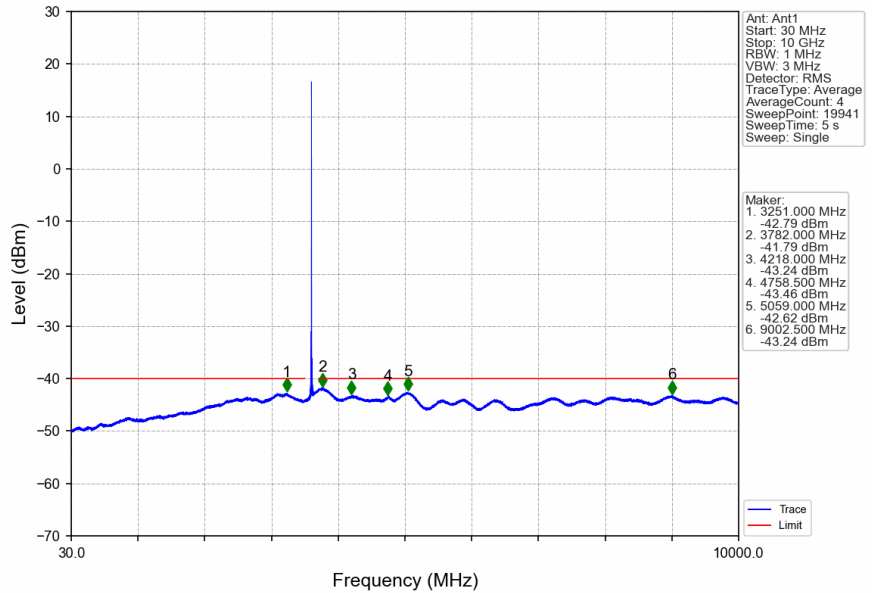
Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV



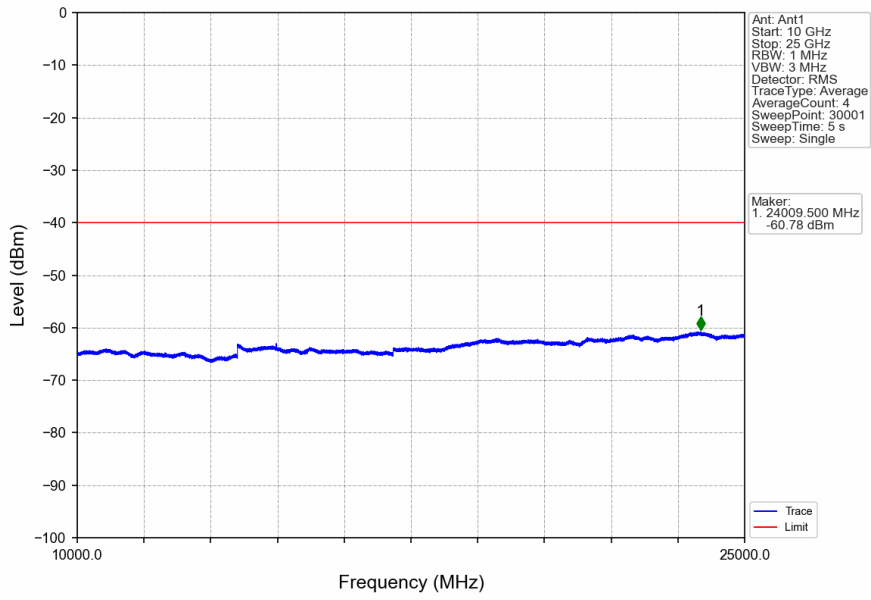
Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



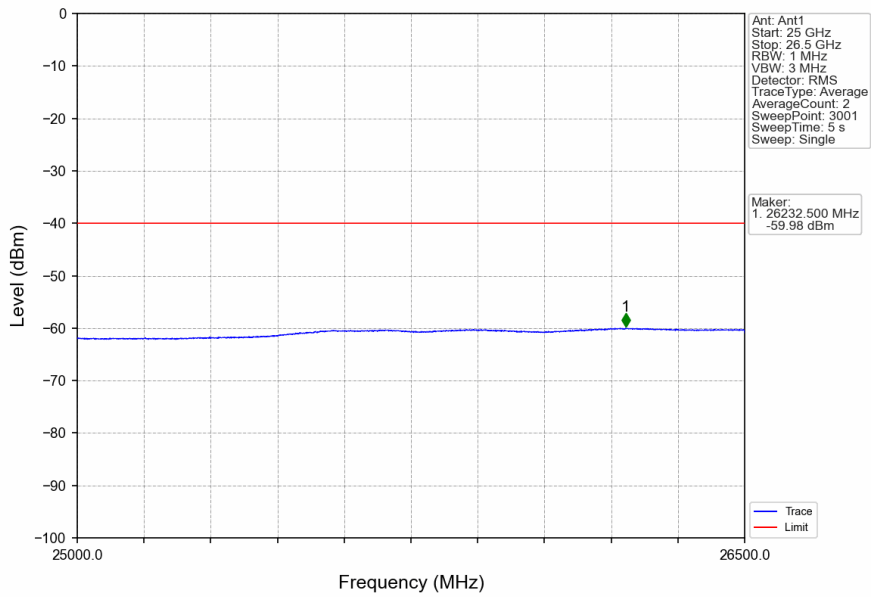
Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



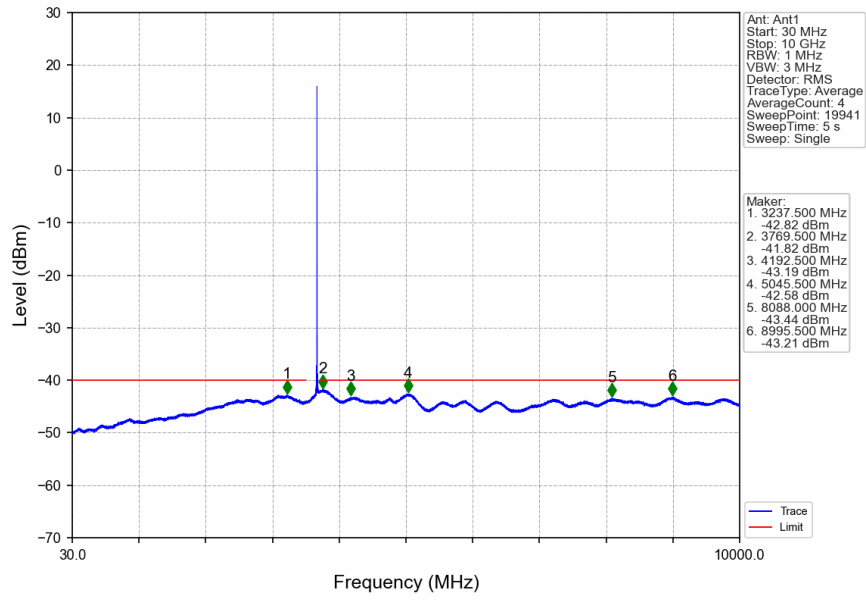
Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



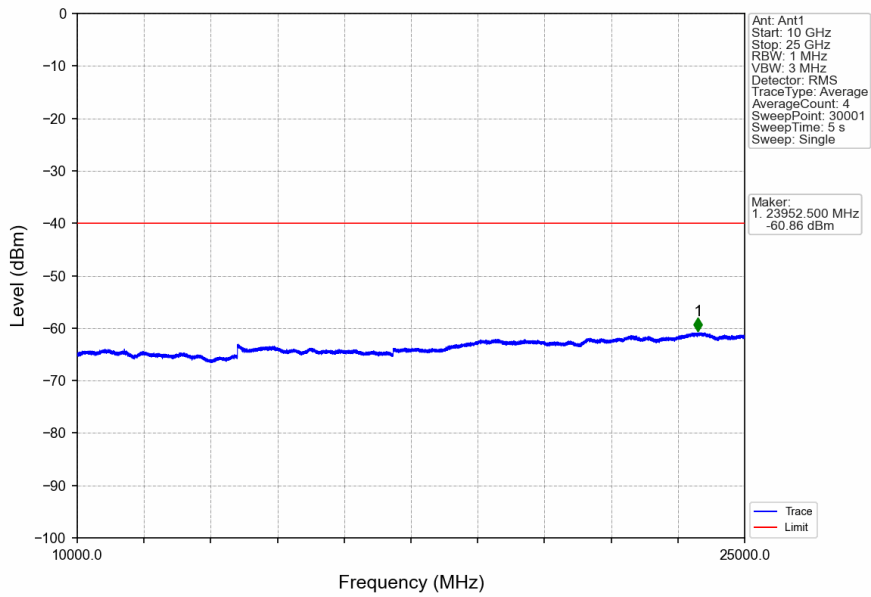
Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



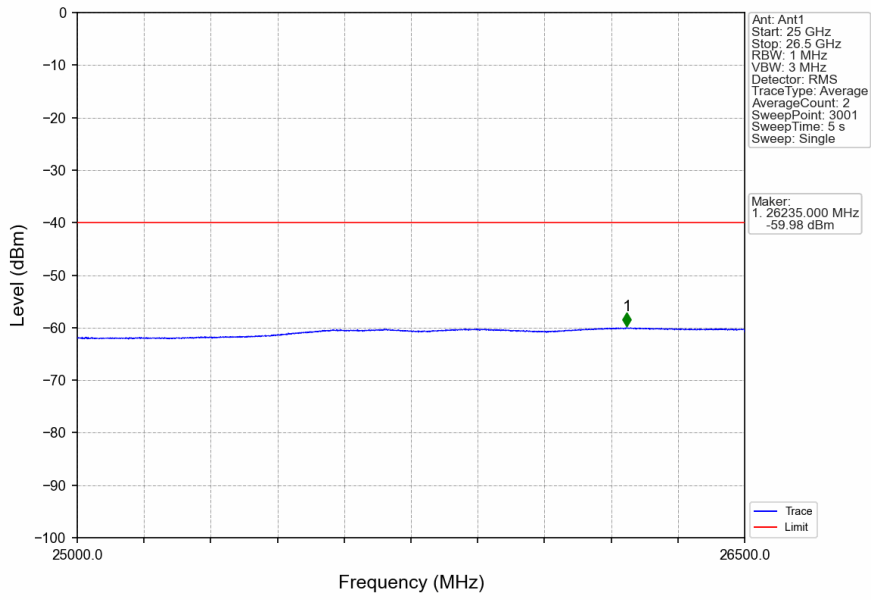
Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV



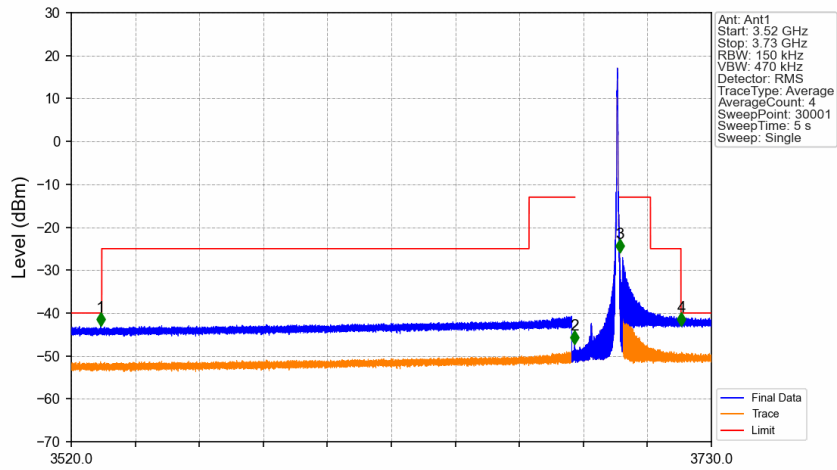
Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV



Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV



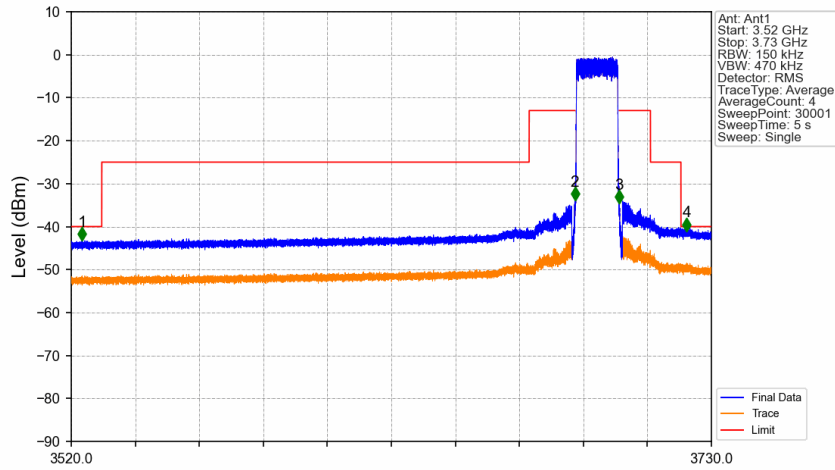
Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_1\_74\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.177	1	8.24	1	3529.611	-43.09	-40	Pass
3684.177	3685.177	0.15	0	2	3685.130	-47.33	-13	Pass
3685.177	3699.824	0.15	0	/	/	/	/	/
3699.824	3700.824	0.15	0	3	3699.865	-25.91	-13	Pass
3700.824	3730	1	8.24	4	3720.193	-43.02	-40	Pass

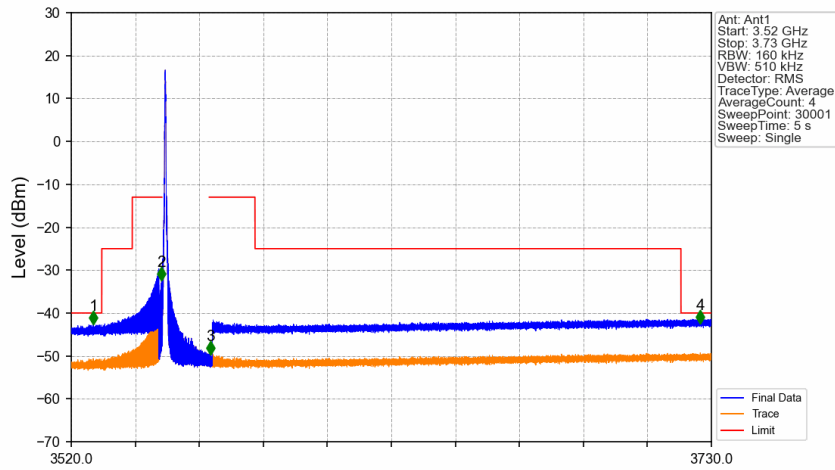


Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



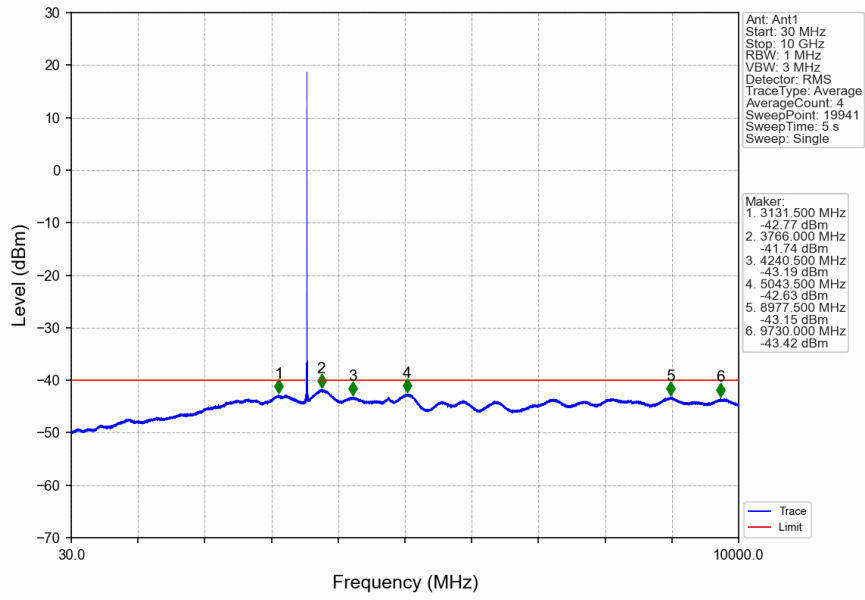
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.204	1	8.24	1	3523.556	-43.23	-40	Pass
3684.204	3685.204	0.15	0	2	3685.200	-33.91	-13	Pass
3685.204	3699.796	0.15	0	3	3699.816	-34.58	-13	Pass
3699.796	3700.796	0.15	0	4	3721.901	-41.09	-40	Pass

Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV

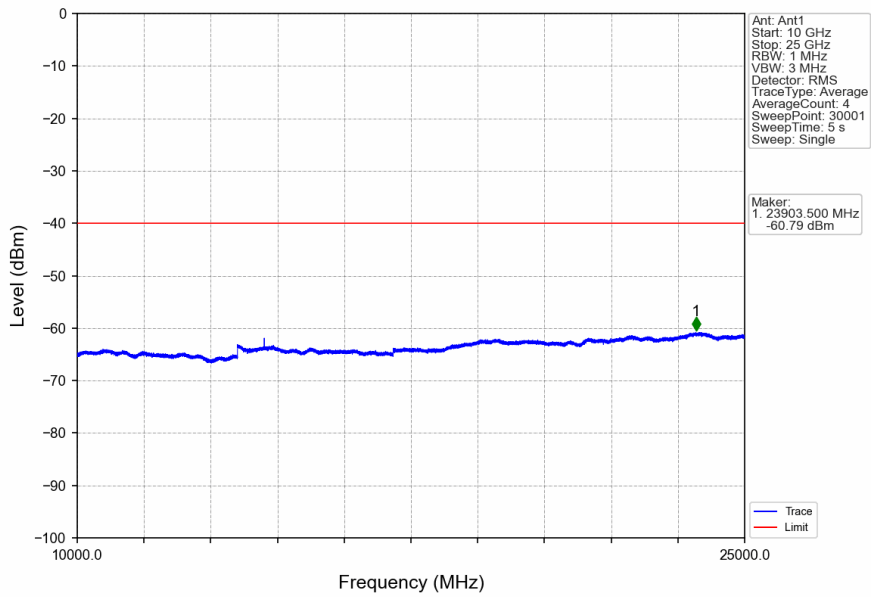


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.735	1	7.96	1	3527.217	-42.62	-40	Pass
3548.735	3549.735	0.16	0	2	3549.638	-32.47	-13	Pass
3549.735	3565.265	0.16	0	3	3565.703	-49.79	-13	Pass
3565.265	3566.265	0.16	0	4	3726.339	-42.51	-40	Pass

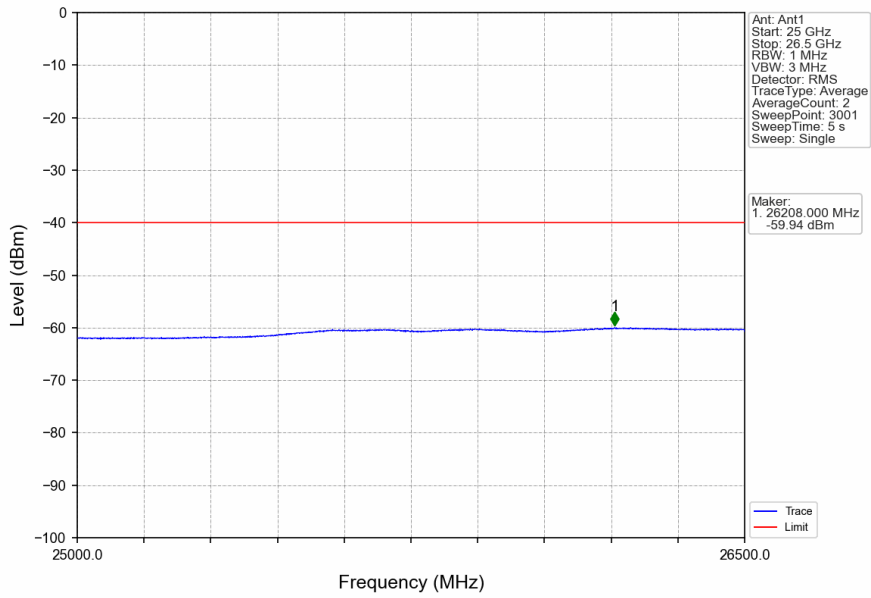
Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV



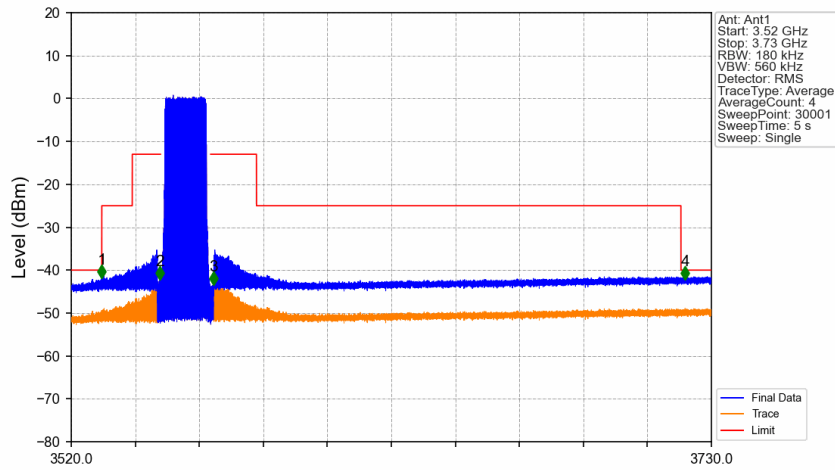
Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV



Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV

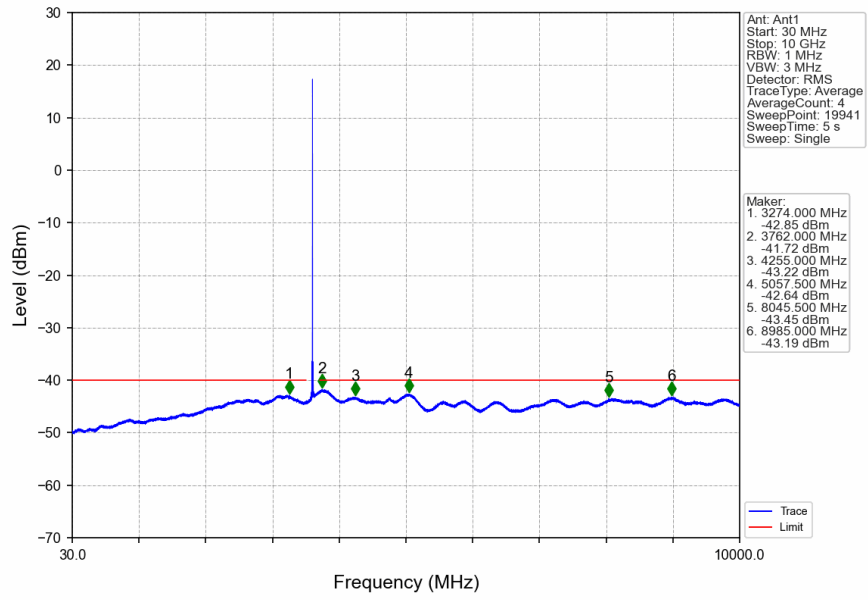


Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV

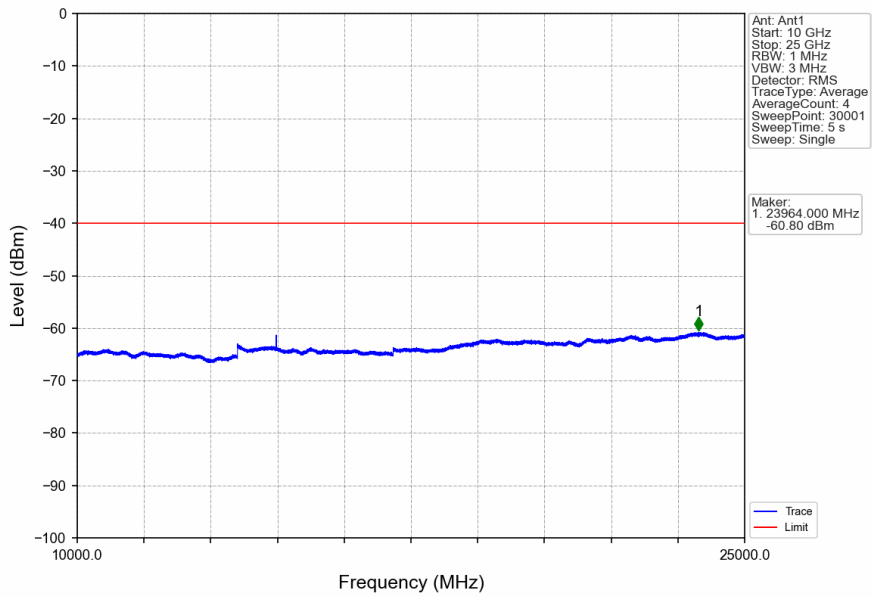


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.253	1	7.45	1	3529.982	-41.91	-40	Pass
3548.253	3549.253	0.18	0	2	3549.106	-42.23	-13	Pass
3549.253	3565.748	0.18	0	/	/	/	/	/
3565.748	3566.748	0.18	0	3	3566.676	-43.53	-13	Pass
3566.748	3730	1	7.45	4	3721.362	-42.28	-40	Pass

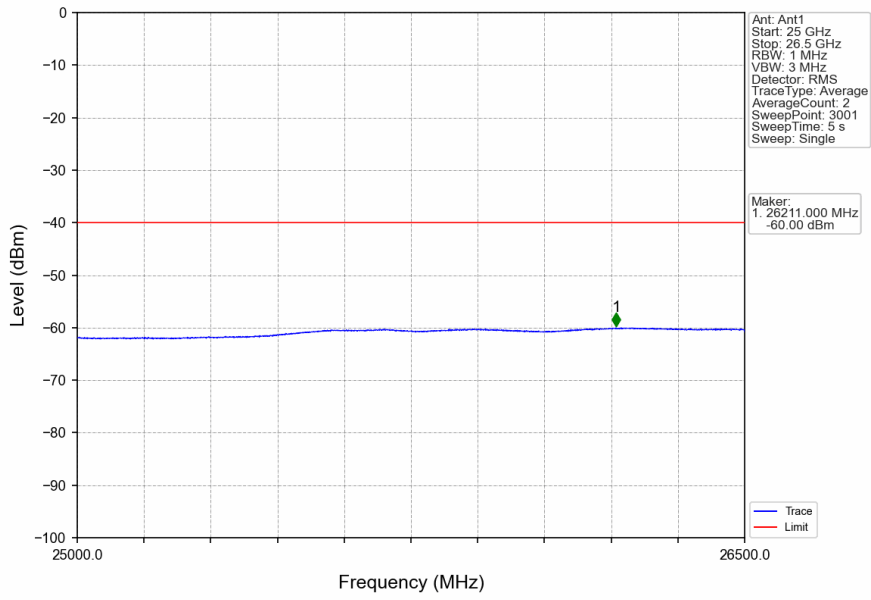
Band48\_15MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



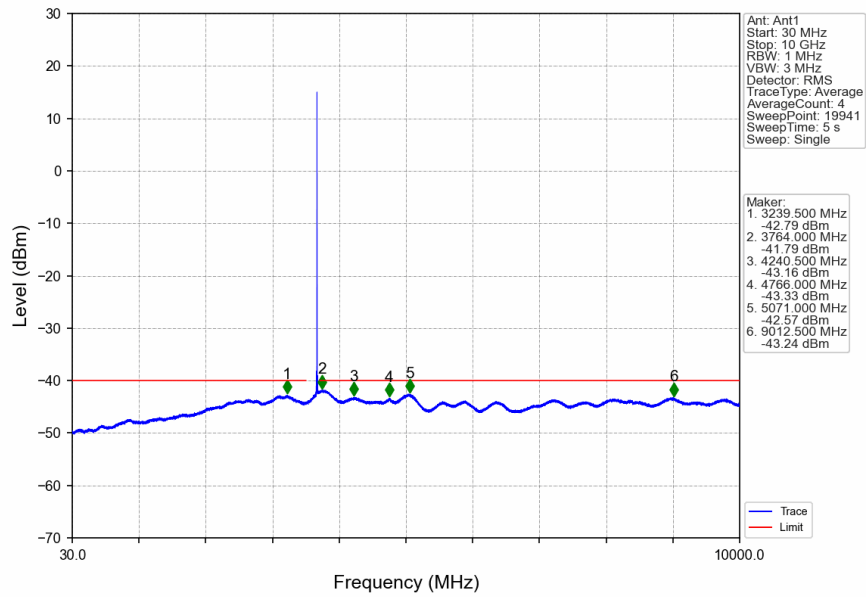
Band48\_15MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



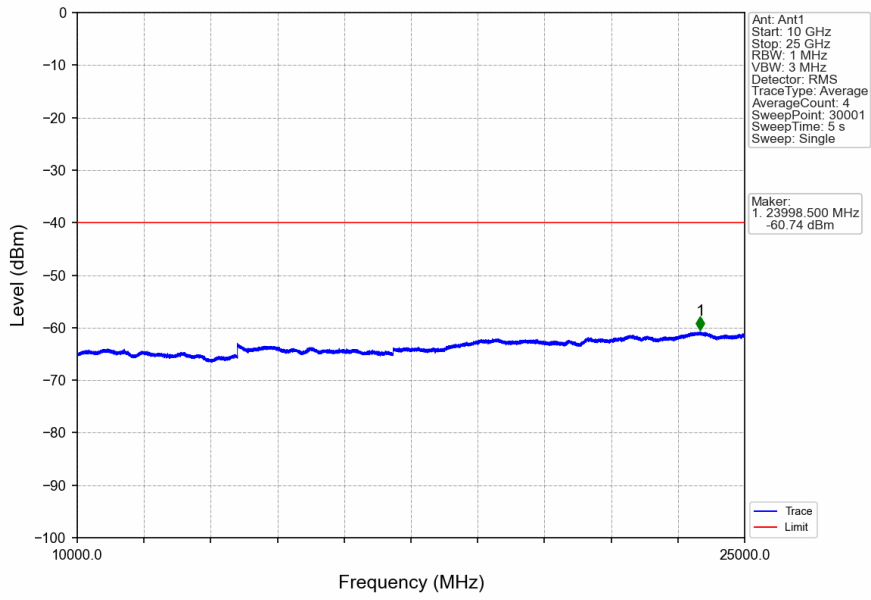
Band48\_15MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



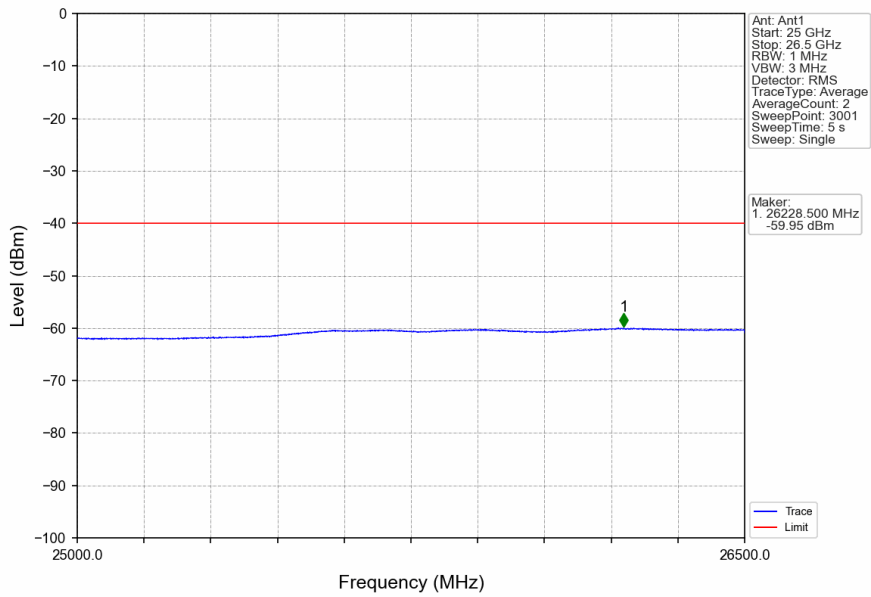
Band48\_15MHz\_16QAM\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV



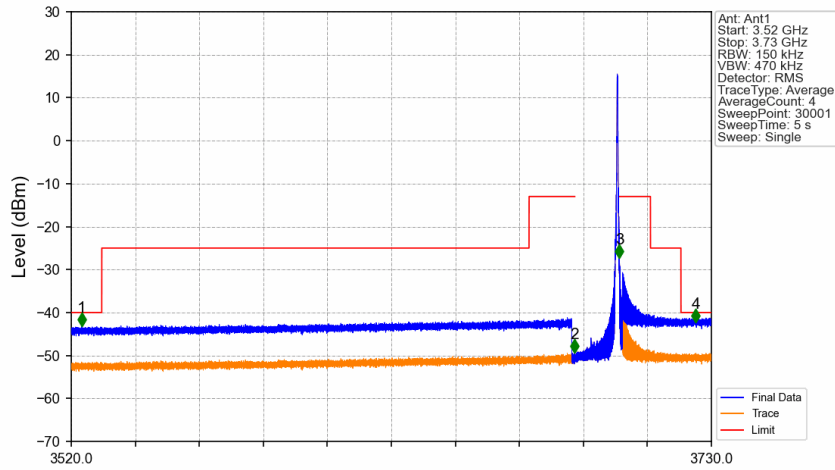
Band48\_15MHz\_16QAM\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV



Band48\_15MHz\_16QAM\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV

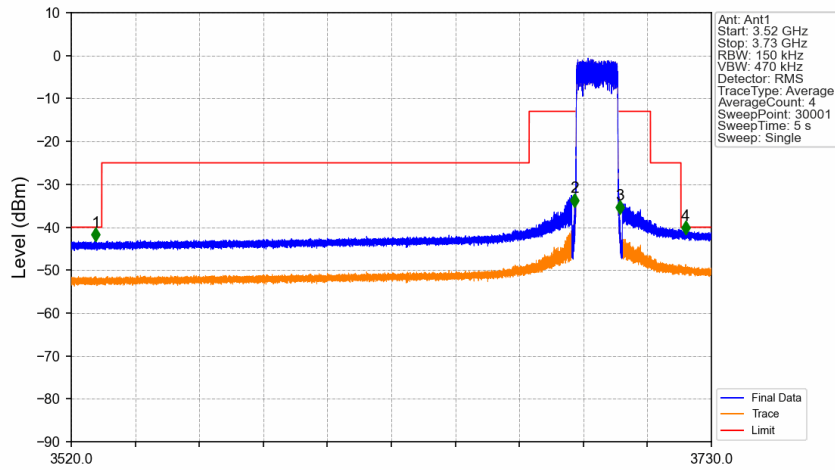


Band48\_15MHz\_16QAM\_HCH\_3692.5MHz\_RB\_1\_74\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.177	1	8.24	1	3523.388	-43.27	-40	Pass
3684.177	3685.177	0.15	0	2	3685.158	-49.41	-13	Pass
3685.177	3699.824	0.15	0	3	/	/	/	/
3699.824	3700.824	0.15	0	3	3699.837	-27.34	-13	Pass
3700.824	3730	1	8.24	4	3724.911	-42.32	-40	Pass

Band48\_15MHz\_16QAM\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.204	1	8.24	1	3528.057	-43.21	-40	Pass
3684.204	3685.204	0.15	0	2	3685.144	-35.27	-13	Pass
3685.204	3699.796	0.15	0	3	/	/	/	/
3699.796	3700.796	0.15	0	3	3699.844	-36.97	-13	Pass
3700.796	3730	1	8.24	4	3721.565	-41.74	-40	Pass

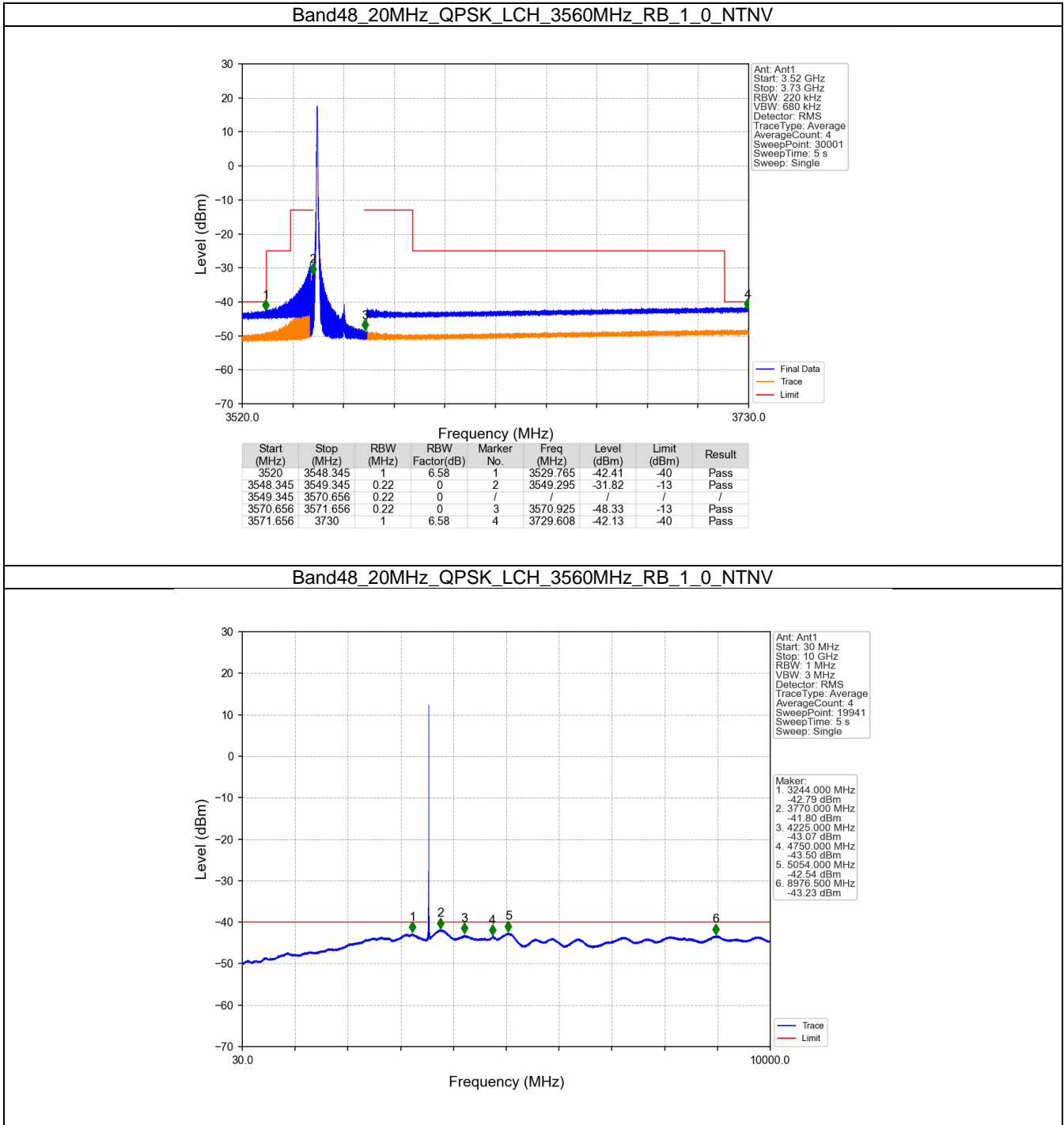
## 15.4 B48\_20MHz

### 15.4.1 Test Result

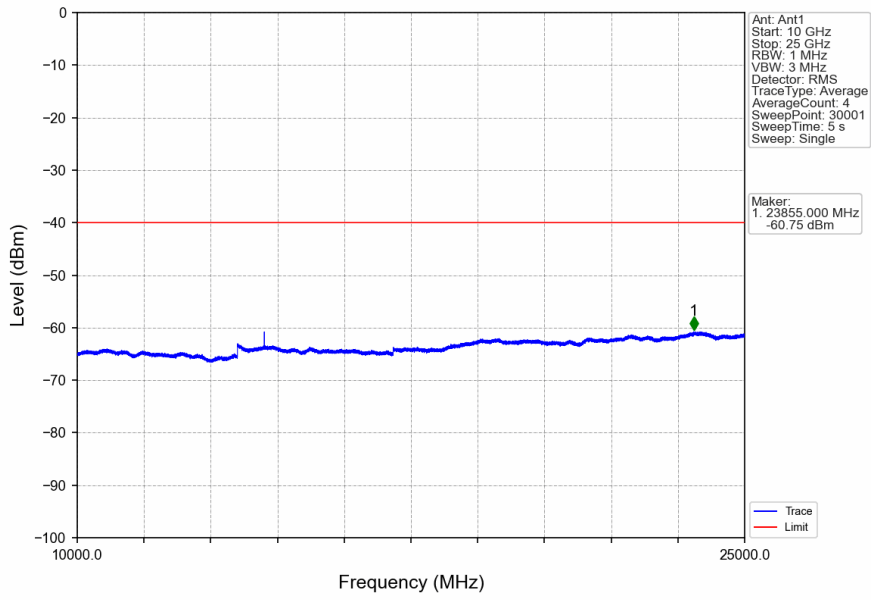
Band: 48 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test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



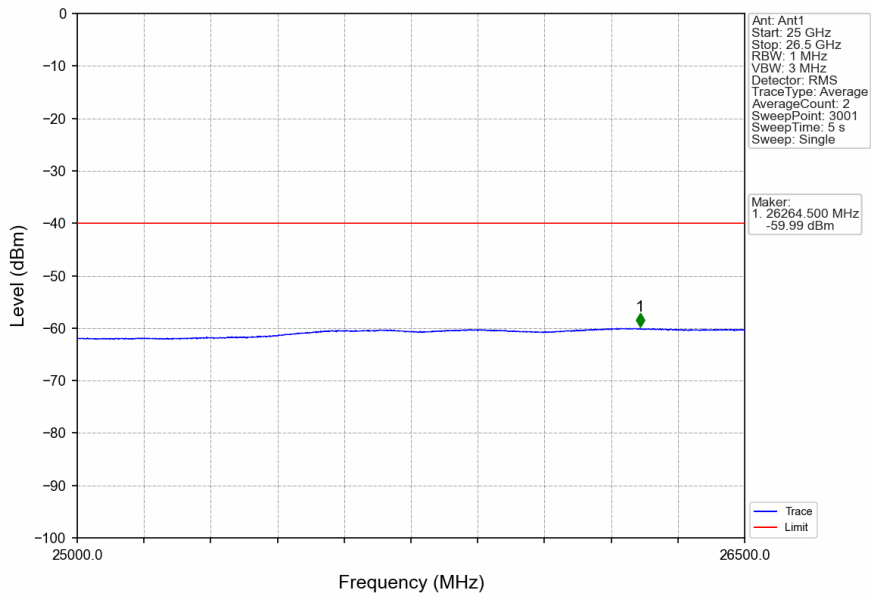
### 15.4.2 Test Graph



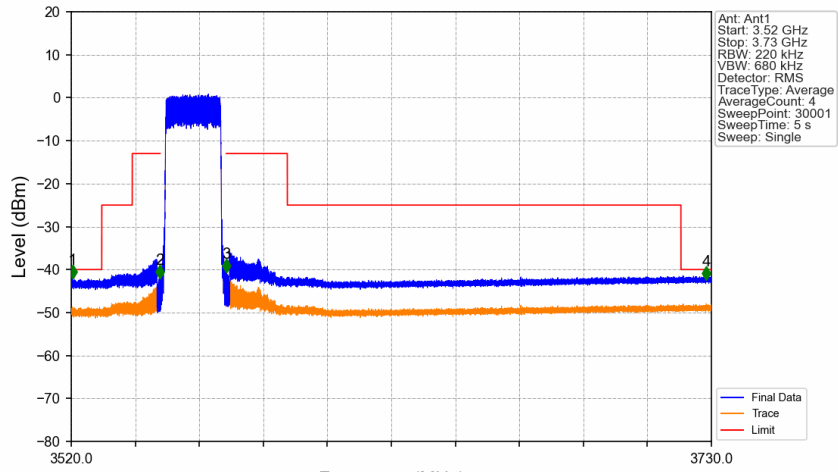
Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_1\_0\_NTNV



Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_1\_0\_NTNV

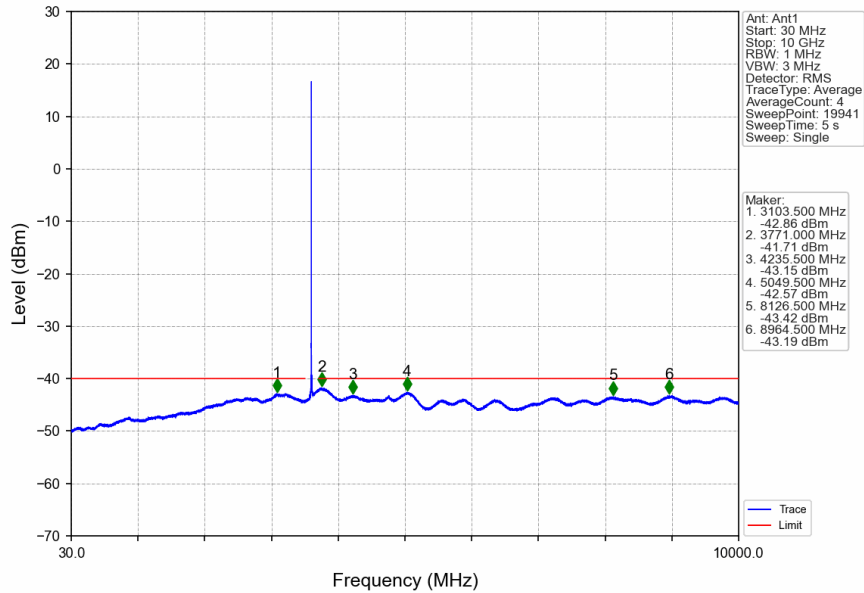


Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.135	1	6.58	1	3520.455	-42.15	-40	Pass
3548.135	3549.135	0.22	0	2	3549.127	-42.10	-13	Pass
3549.135	3570.865	0.22	0	7	/	/	/	/
3570.865	3571.865	0.22	0	3	3570.883	-40.67	-13	Pass
3571.865	3730	1	6.58	4	3728.313	-42.48	-40	Pass

Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV

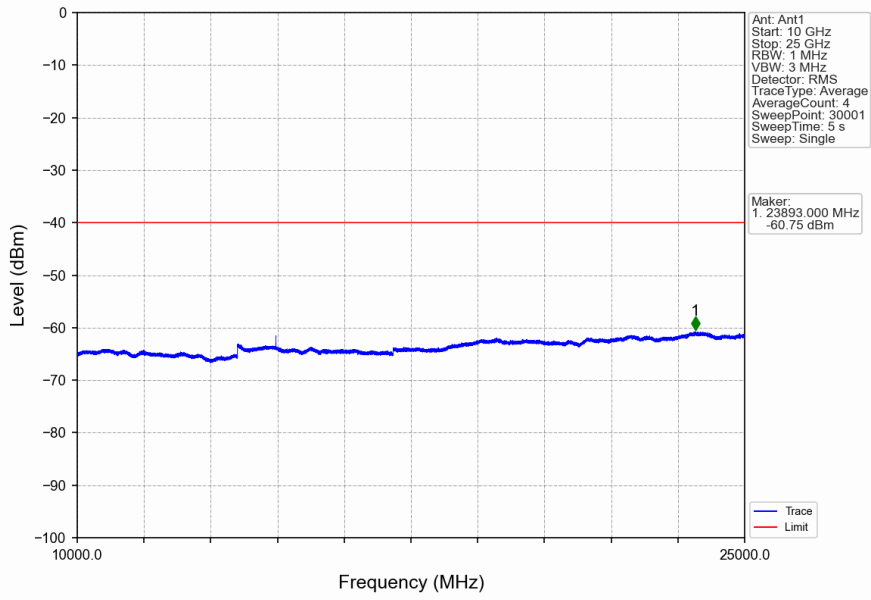


Ant: Ant1  
 Start: 30 MHz  
 Stop: 10 GHz  
 RBW: 1 MHz  
 VBW: 3 MHz  
 Detector: RMS  
 Trace Type: Average  
 Average Count: 4  
 Sweep Point: 19941  
 Sweep Time: 5 s  
 Sweep: Single

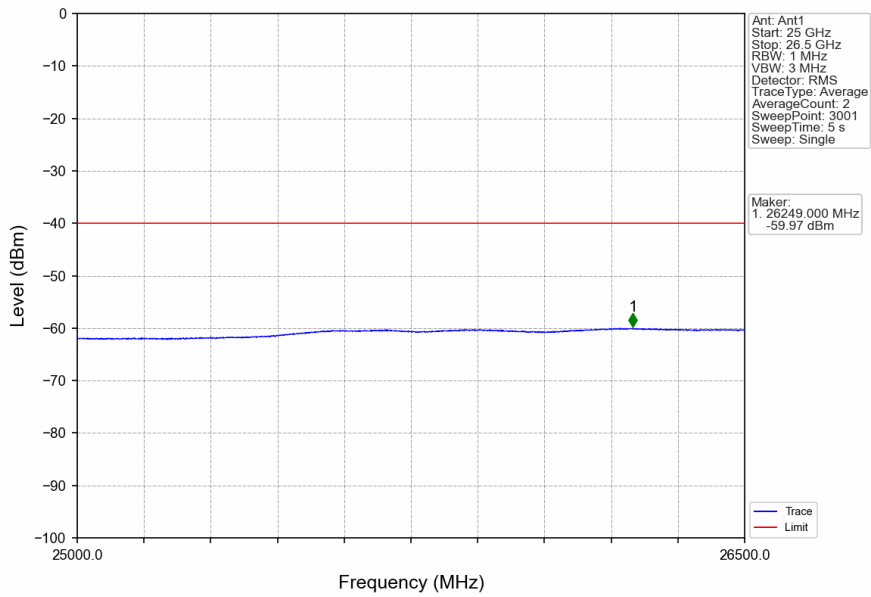
Marker:

1	3103.500 MHz	-42.86 dBm
2	3771.000 MHz	-41.71 dBm
3	4235.500 MHz	-43.15 dBm
4	5049.500 MHz	-42.57 dBm
5	8126.500 MHz	-43.42 dBm
6	8884.500 MHz	-43.19 dBm

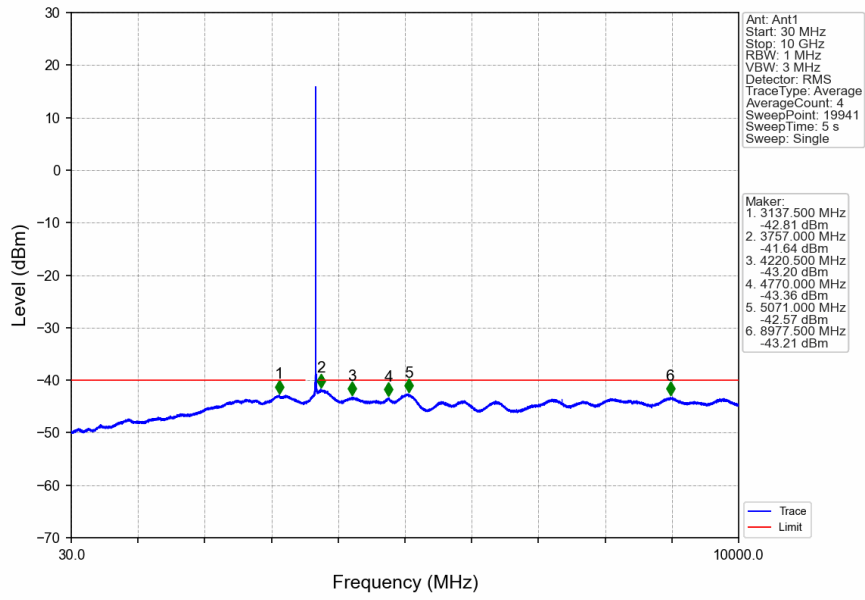
Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



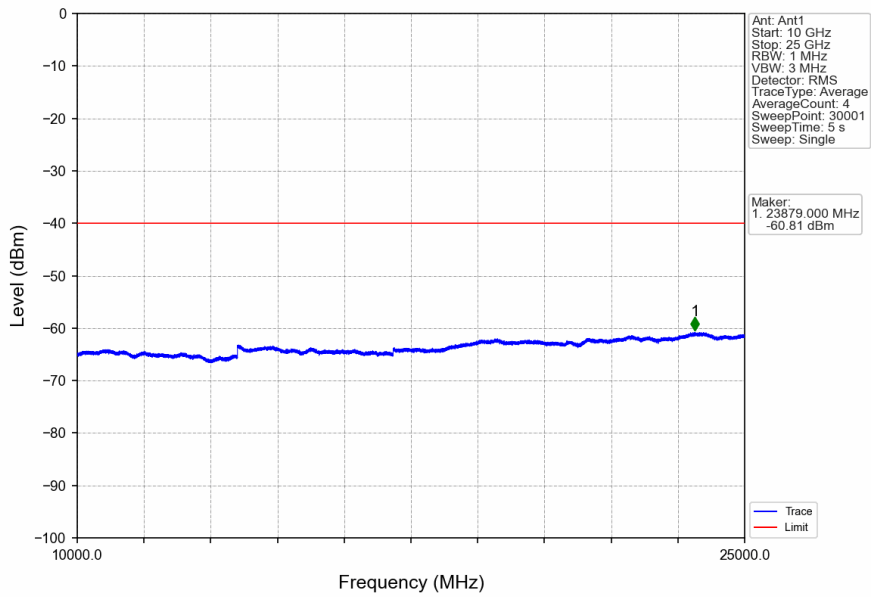
Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



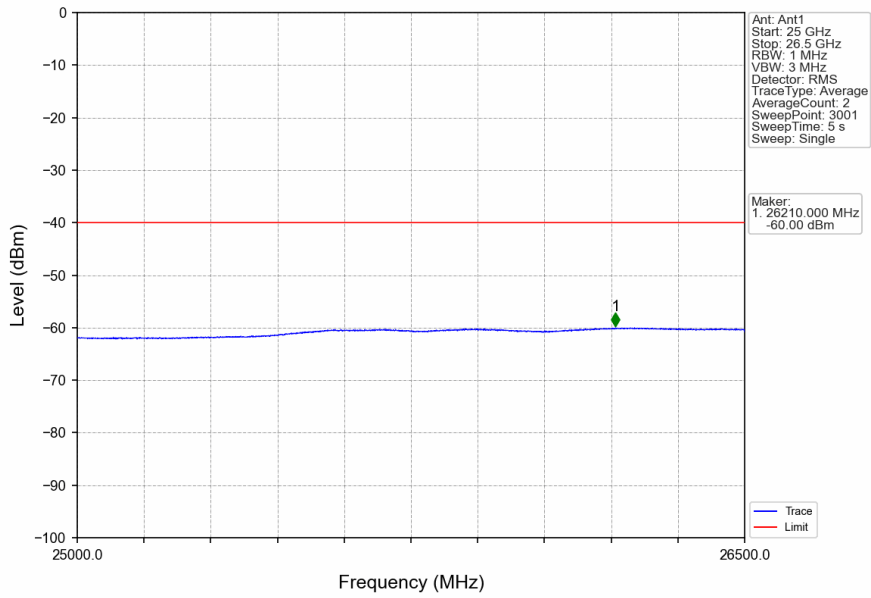
Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_0\_NTNV



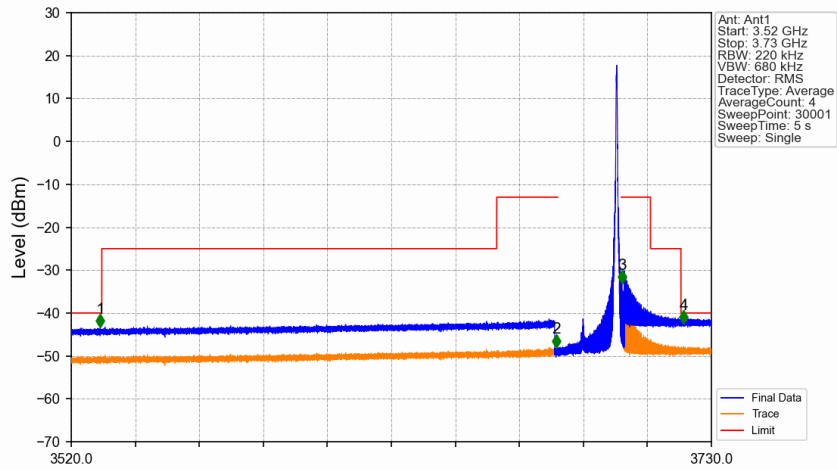
Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_0\_NTNV



Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_0\_NTNV

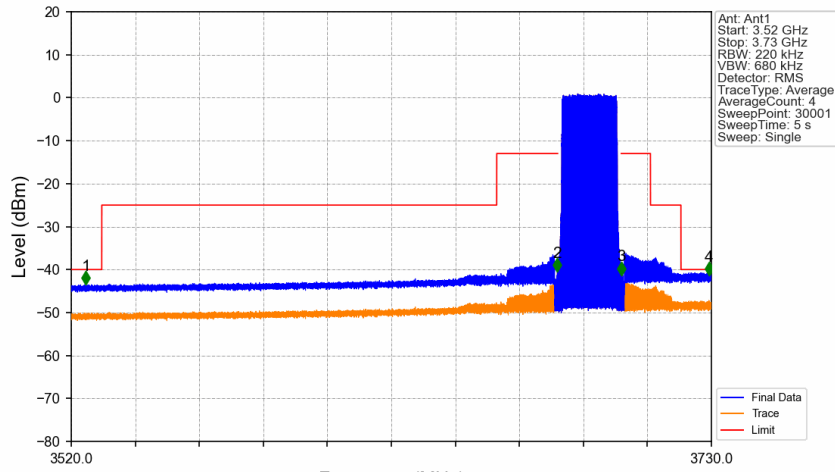


Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_99\_NTNV



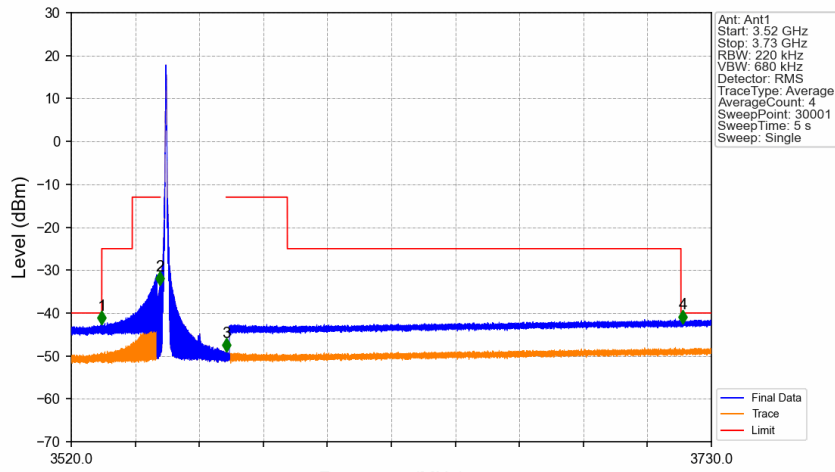
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3678.561	1	6.58	1	3529.541	-43.43	-40	Pass
3678.561	3679.561	0.22	0	2	3679.229	-48.06	-13	Pass
3679.561	3700.44	0.22	0	/	/	/	/	/
3700.44	3701.44	0.22	0	3	3700.649	-33.18	-13	Pass
3701.44	3730	1	6.58	4	3720.851	-42.46	-40	Pass

Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_100\_0\_NTNV



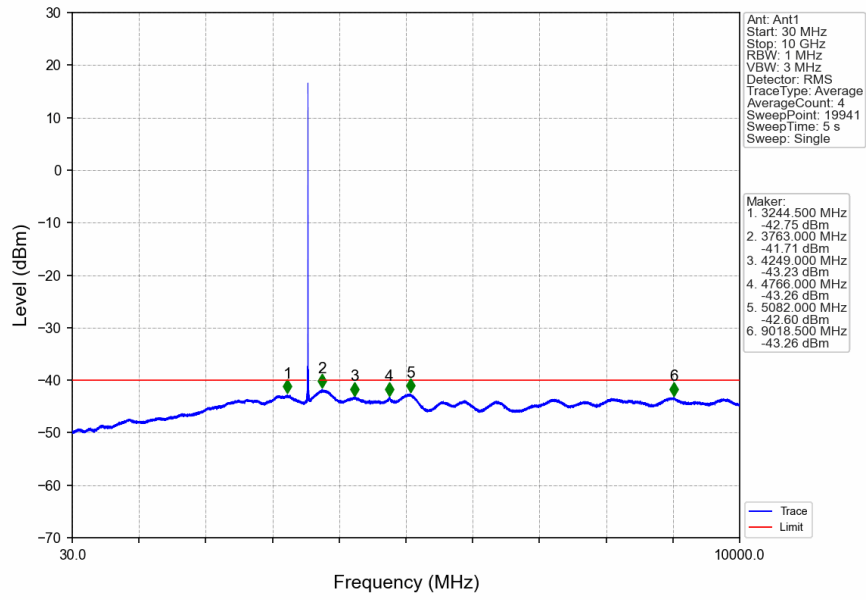
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3678.561	1	6.58	1	3524.802	-43.49	-40	Pass
3678.561	3679.561	0.22	0	2	3679.453	-40.46	-13	Pass
3679.561	3700.44	0.22	0	3	3700.565	-41.28	-13	Pass
3700.44	3701.44	0.22	0	4	3729.153	-41.45	-40	Pass

Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_1\_0\_NTNV

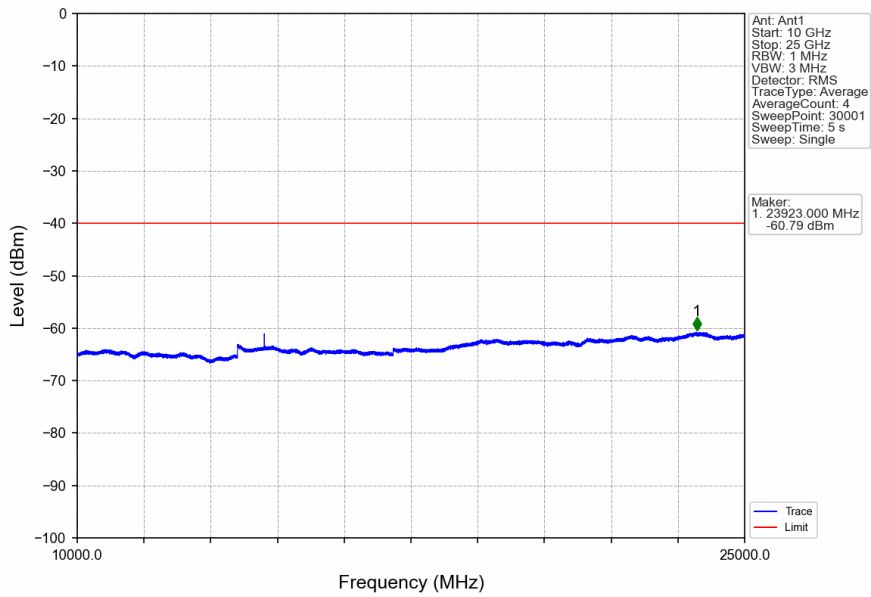


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.135	1	6.58	1	3529.968	-42.65	-40	Pass
3548.135	3549.135	0.22	0	2	3549.120	-33.50	-13	Pass
3549.135	3570.865	0.22	0	3	3570.960	-49.08	-13	Pass
3570.865	3571.865	0.22	0	4	3720.613	-42.42	-40	Pass

Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_1\_0\_NTNV

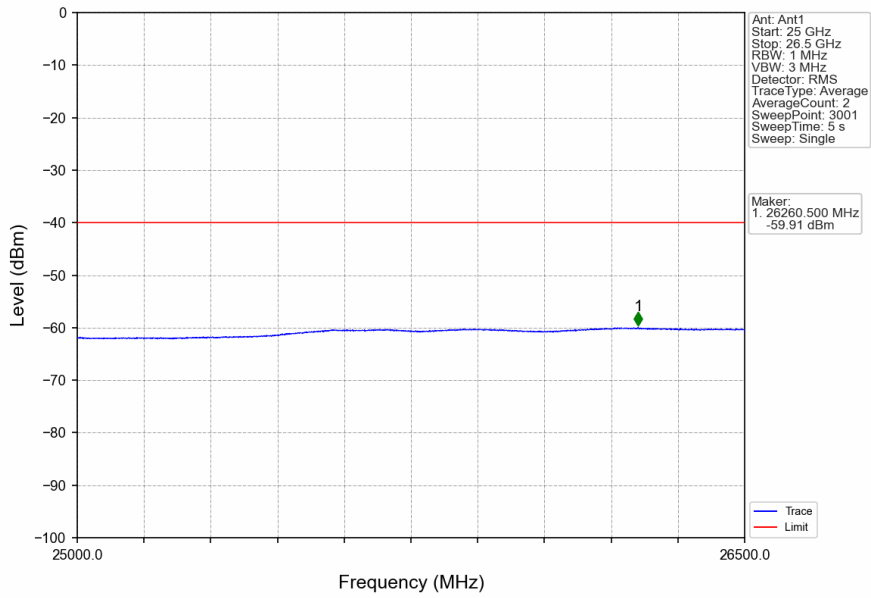


Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_1\_0\_NTNV

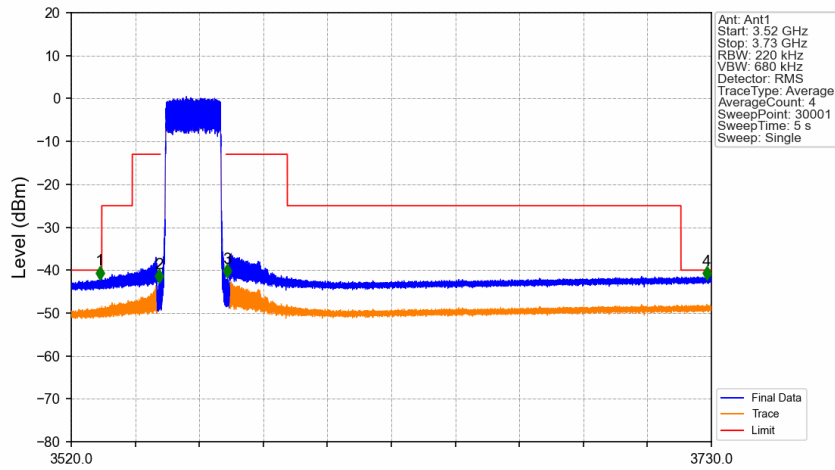




Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_1\_0\_NTNV

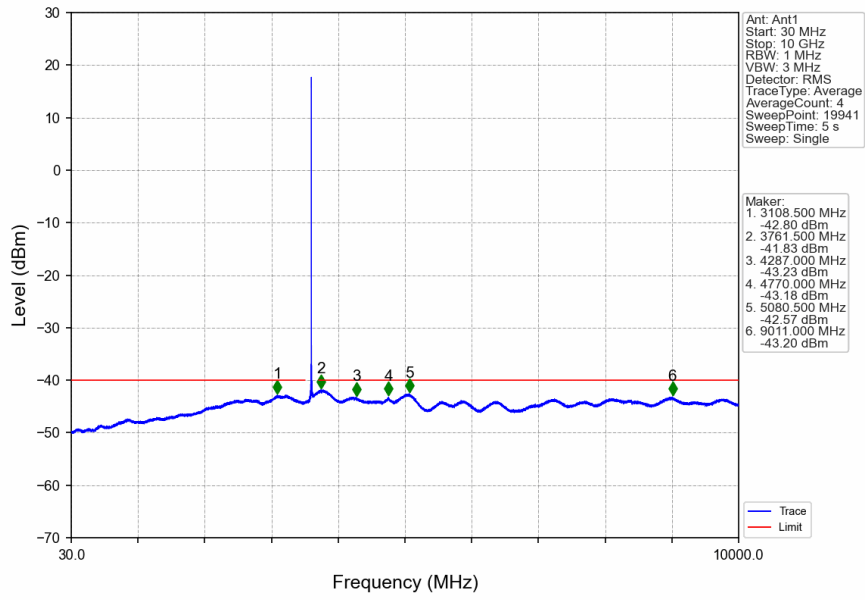


Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_100\_0\_NTNV

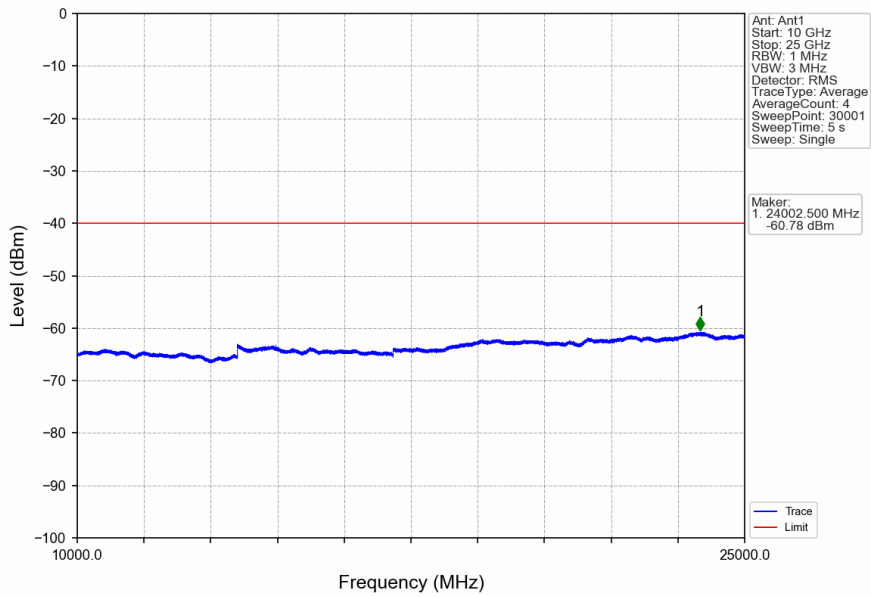


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.135	1	6.58	1	3529.422	-42.16	-40	Pass
3548.135	3549.135	0.22	0	2	3548.840	-42.93	-13	Pass
3549.135	3570.865	0.22	0	/	/	/	/	/
3570.865	3571.865	0.22	0	3	3571.226	-41.70	-13	Pass
3571.865	3730	1	6.58	4	3728.446	-42.26	-40	Pass

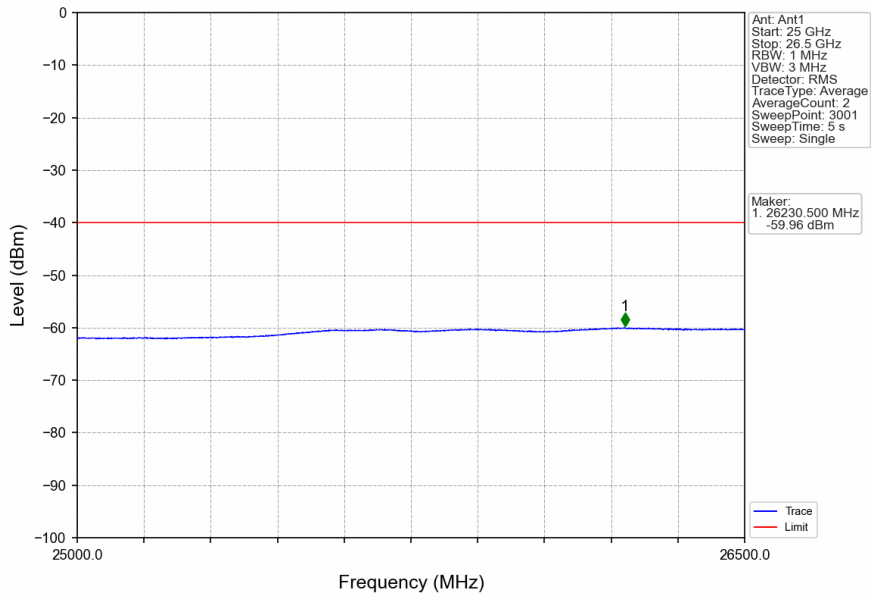
Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



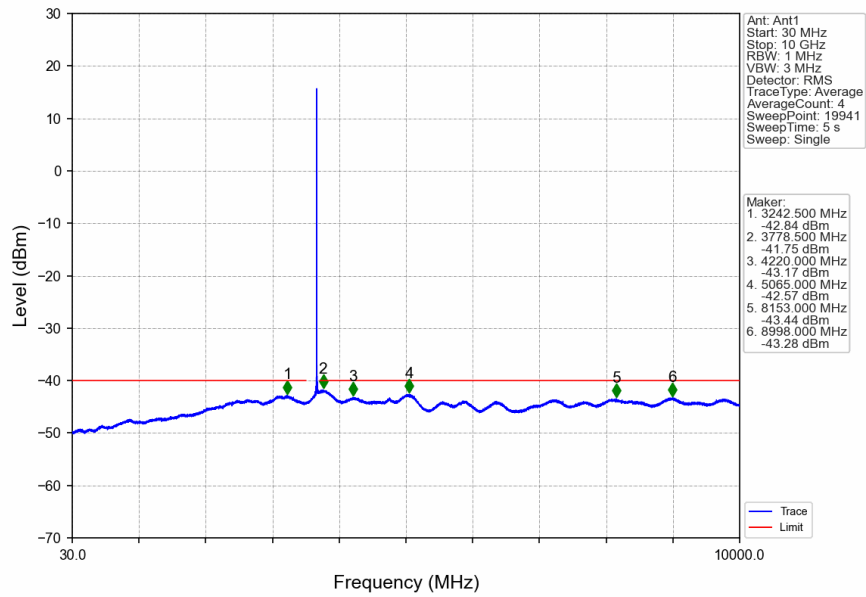
Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



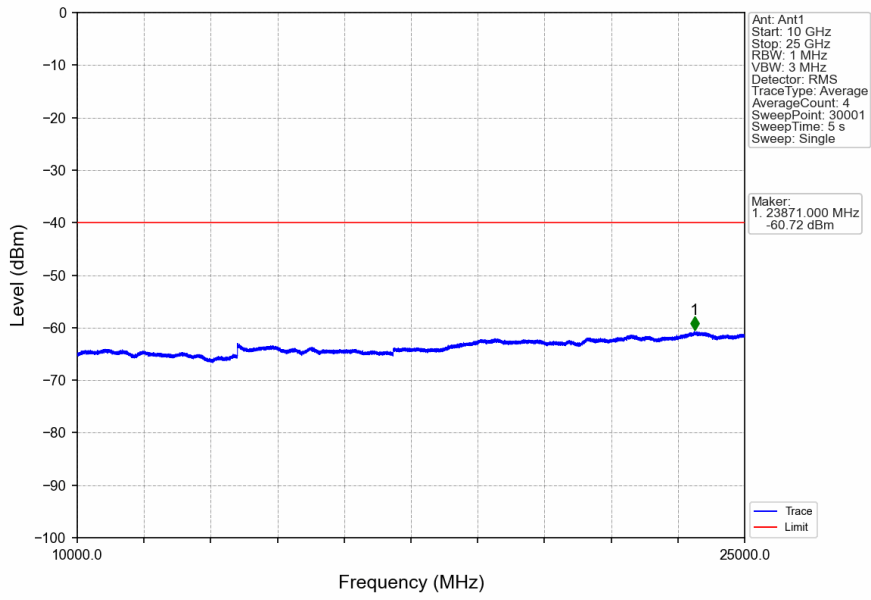
Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



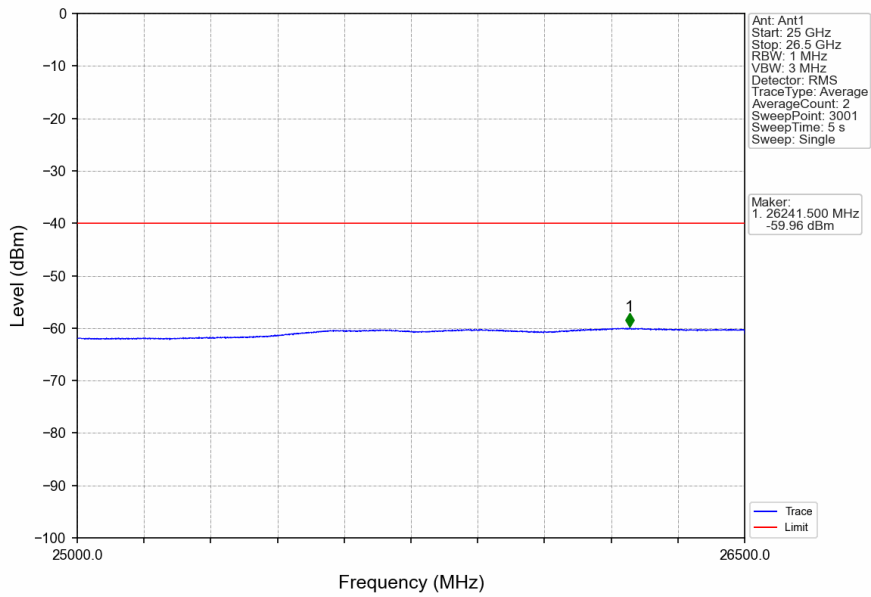
Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_1\_0\_NTNV



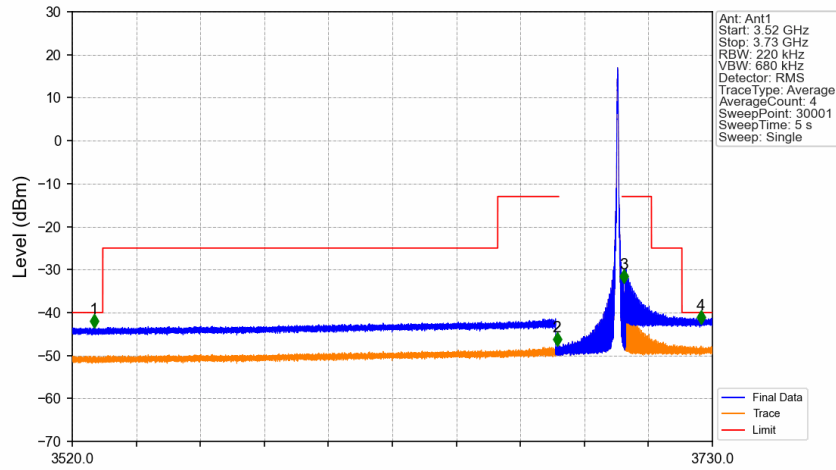
Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_1\_0\_NTNV



Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_1\_0\_NTNV

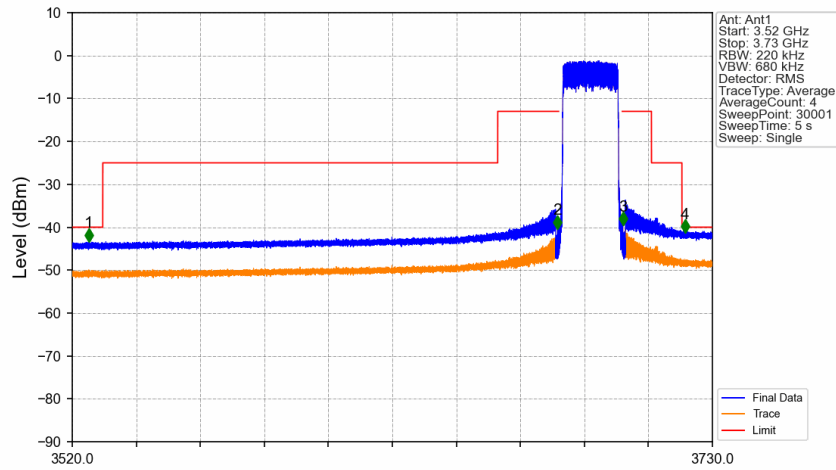


Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_1\_99\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3678.561	1	6.58	1	3527.126	-43.54	-40	Pass
3678.561	3679.561	0.22	0	2	3679.019	-47.85	-13	Pass
3679.561	3700.44	0.22	0	/	/	/	/	/
3700.44	3701.44	0.22	0	3	3700.859	-33.15	-13	Pass
3701.44	3730	1	6.58	4	3726.262	-42.67	-40	Pass

Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3678.561	1	6.58	1	3525.418	-43.34	-40	Pass
3678.561	3679.561	0.22	0	2	3679.187	-40.36	-13	Pass
3679.561	3700.44	0.22	0	/	/	/	/	/
3700.44	3701.44	0.22	0	3	3700.607	-39.53	-13	Pass
3701.44	3730	1	6.58	4	3720.970	-41.37	-40	Pass

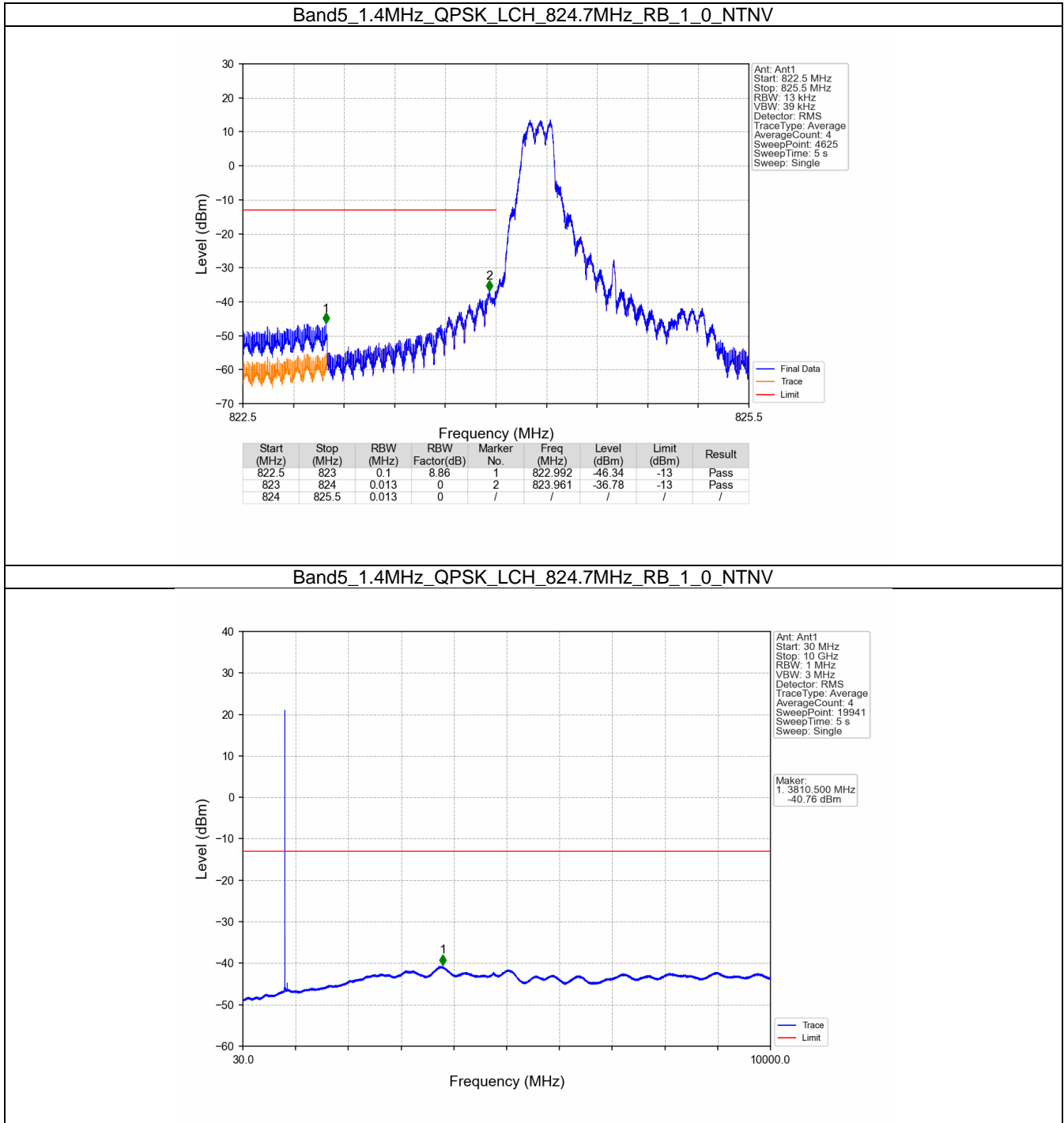
## 16. Spurious Emission

### 16.1 B5\_1.4MHz

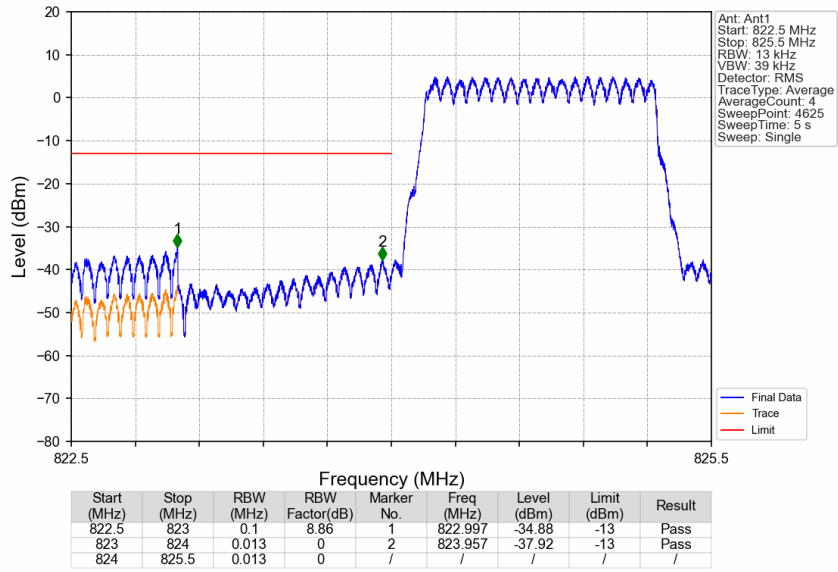
#### 16.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

### 16.1.2 Test Graph



Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV

