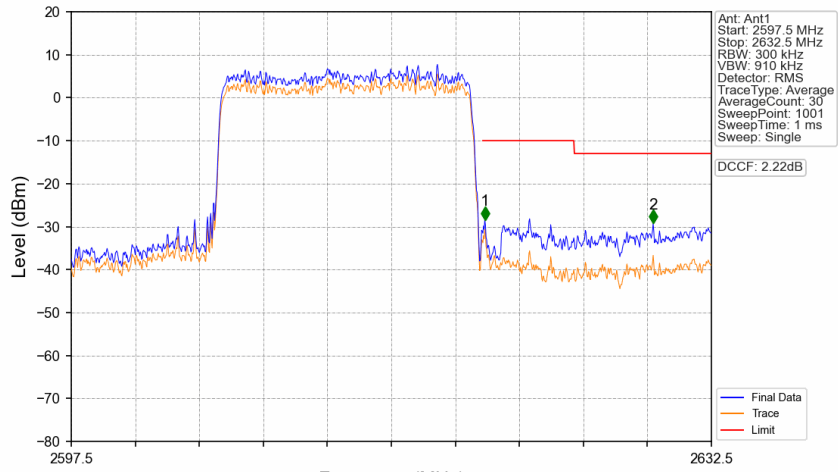
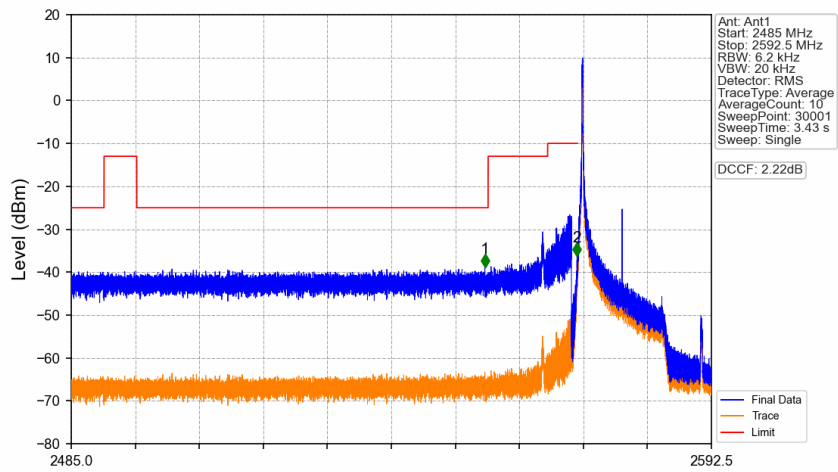


Band38\_15MHz\_QPSK\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



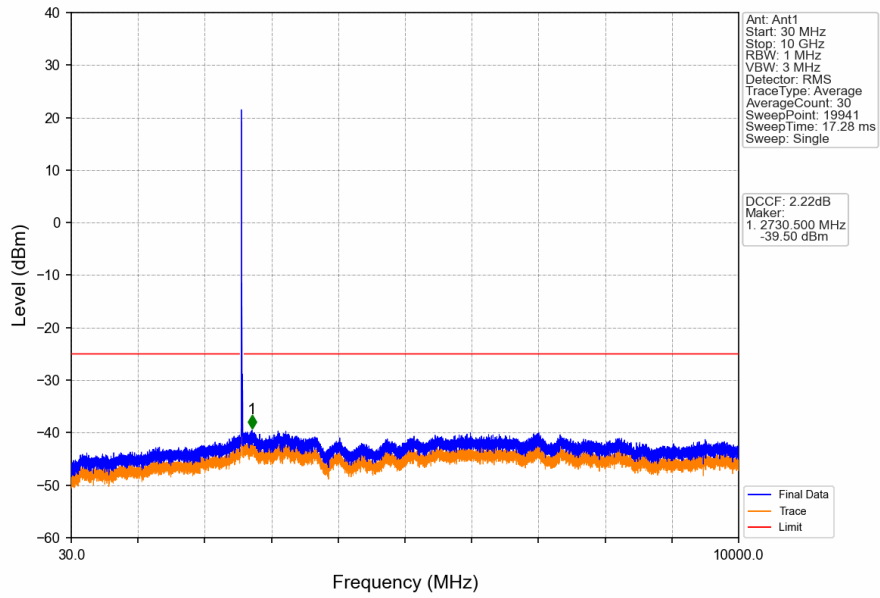
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.3	0	/	/	/	/	/
2620	2621	0.3	0	1	2620.110	-28.41	-10	Pass
2621	2632.5	1	5.23	2	2629.315	-29.23	-13	Pass

Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

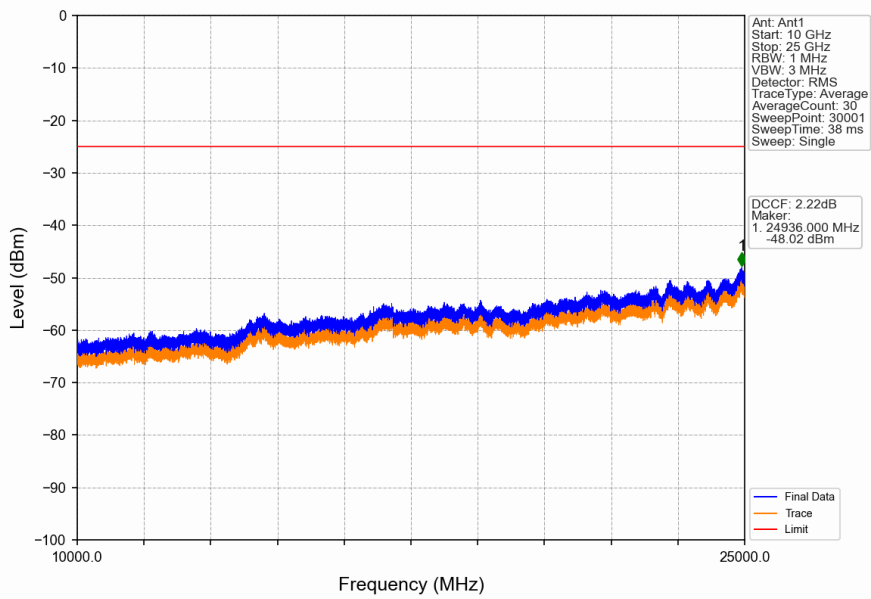


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2554.456	-38.94	-25	Pass
2569	2570	0.0062	0	2	2569.939	-36.23	-10	Pass
2570	2592.5	0.0062	0	/	/	/	/	/

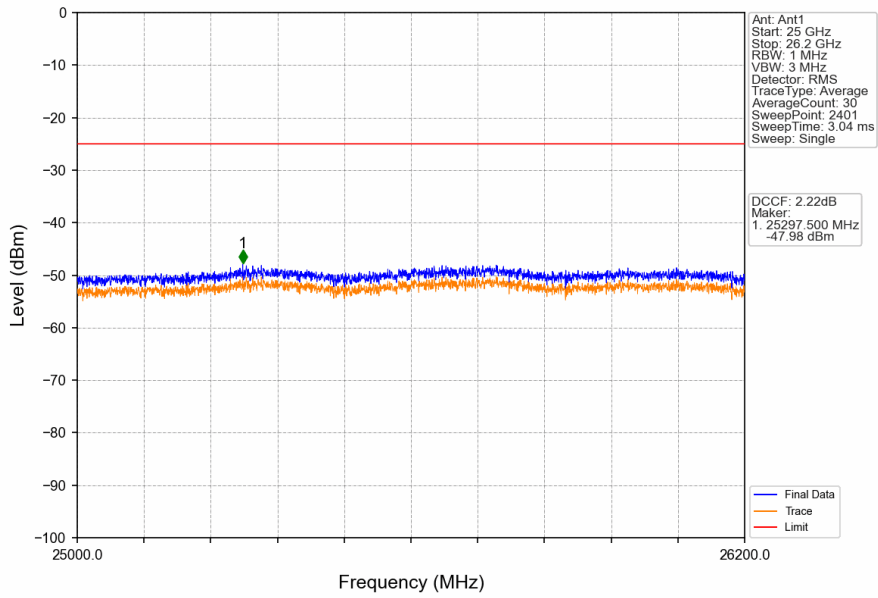
Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



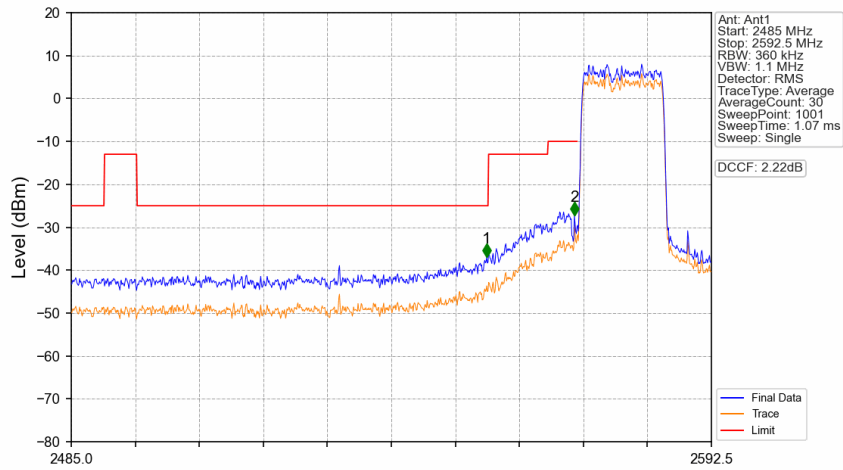
Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV



Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_1\_0\_NTNV

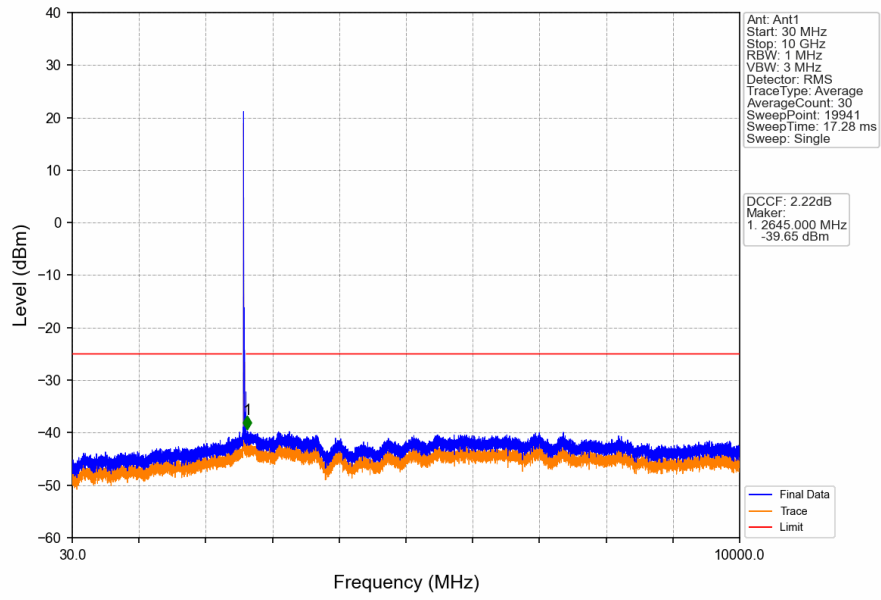


Band38\_15MHz\_16QAM\_LCH\_2577.5MHz\_RB\_75\_0\_NTNV

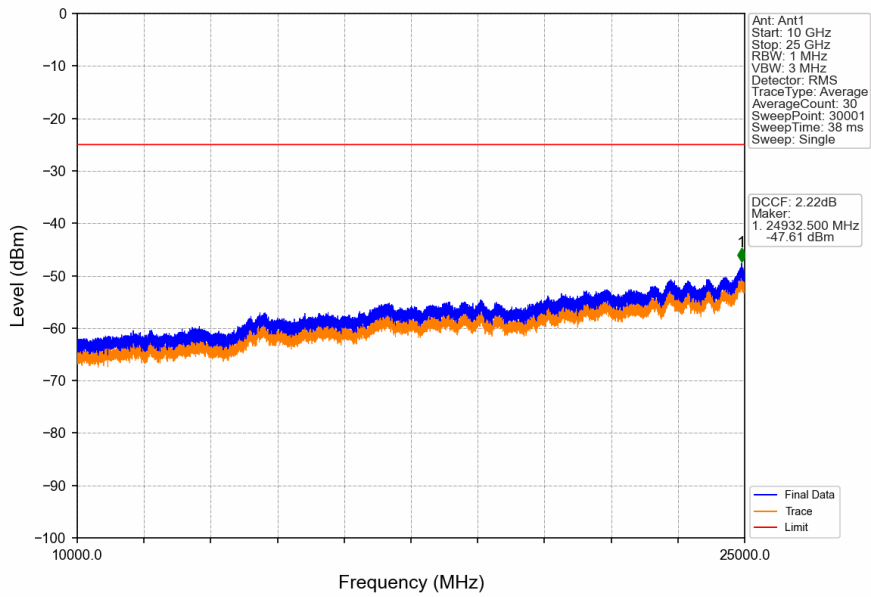


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	4.44	1	2554.767	-37.01	-25	Pass
2569	2570	0.36	0	2	2569.495	-27.21	-10	Pass
2570	2592.5	0.36	0	/	/	/	/	/

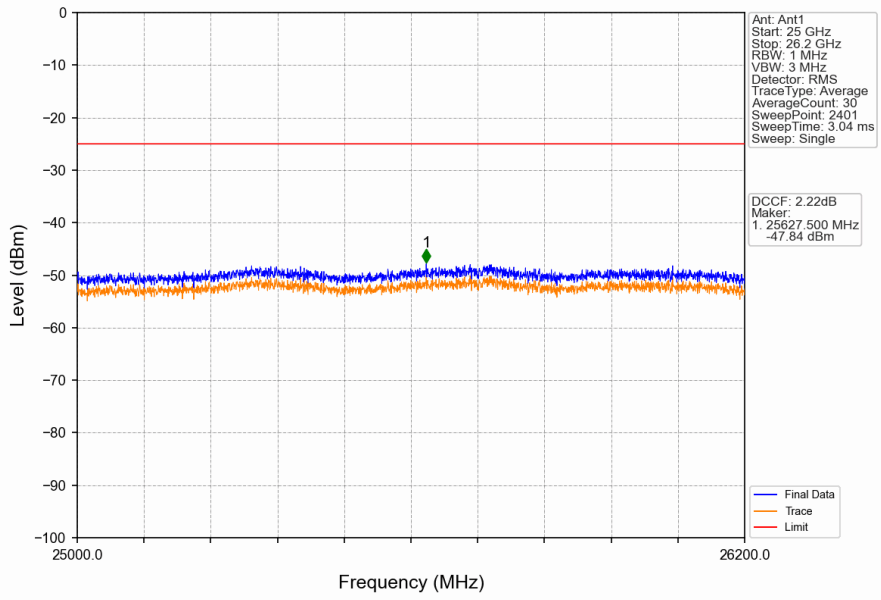
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



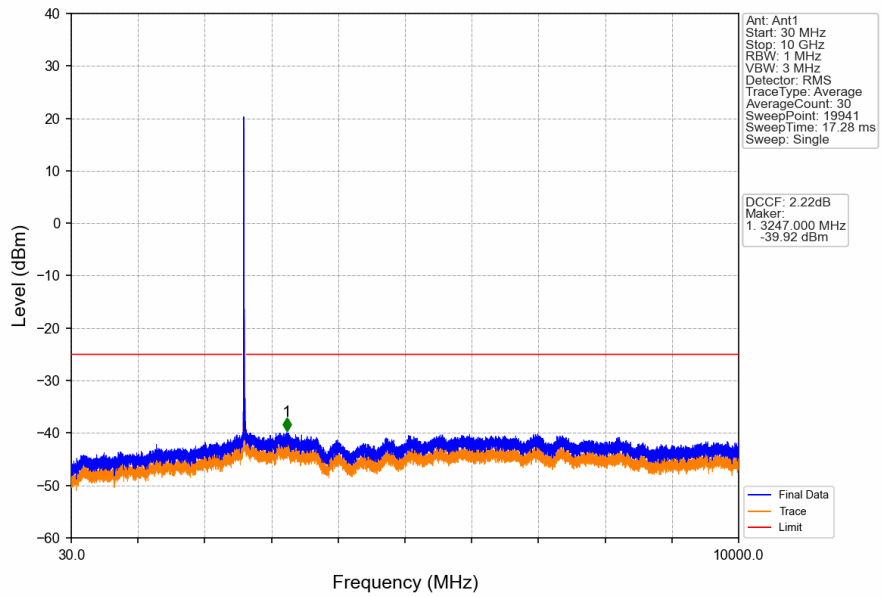
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



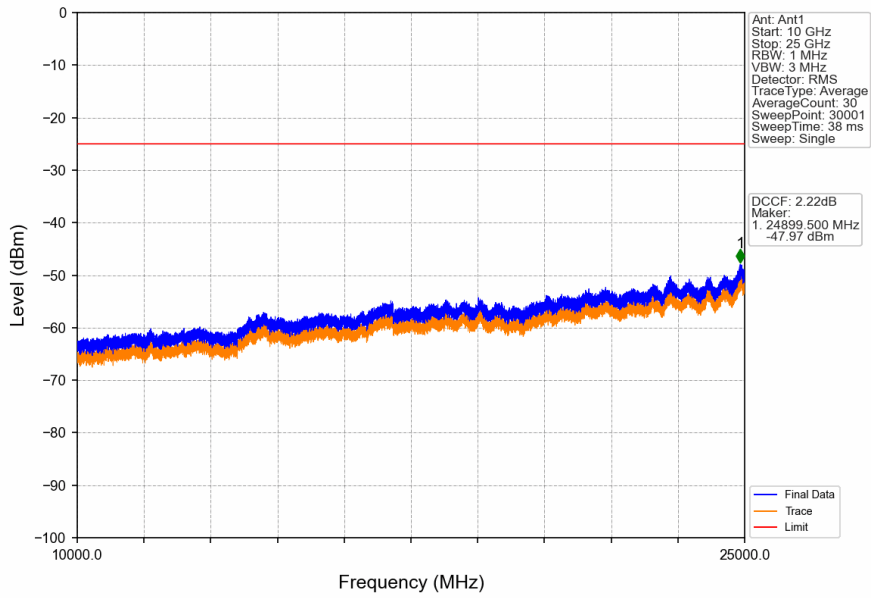
Band38\_15MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



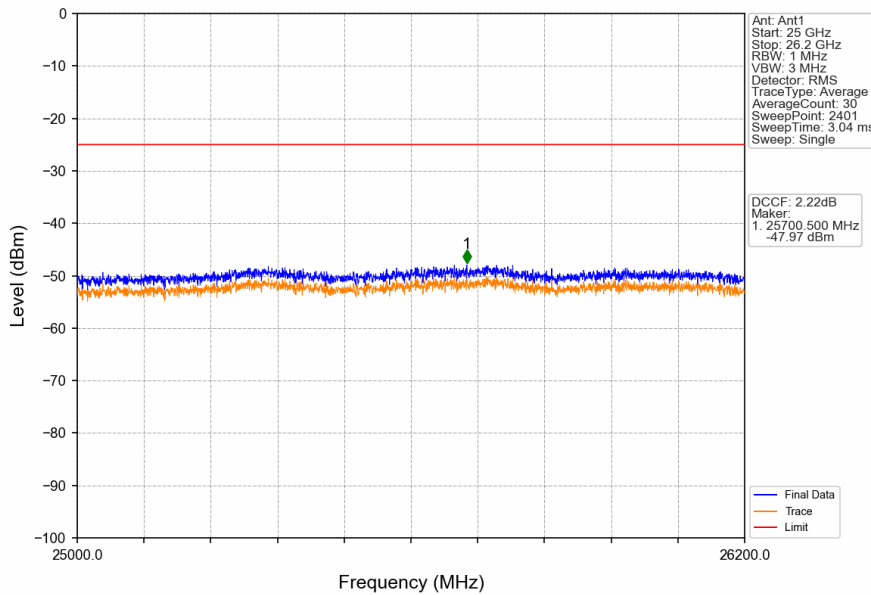
Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



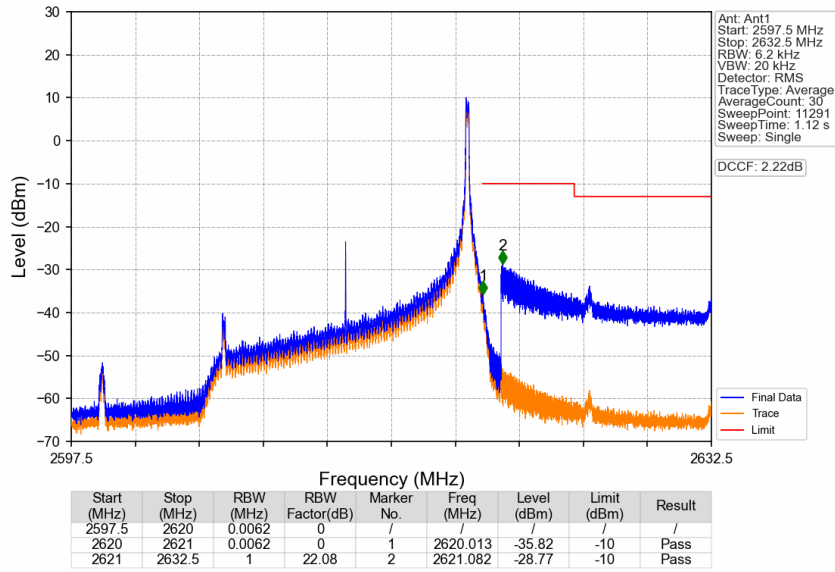
Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



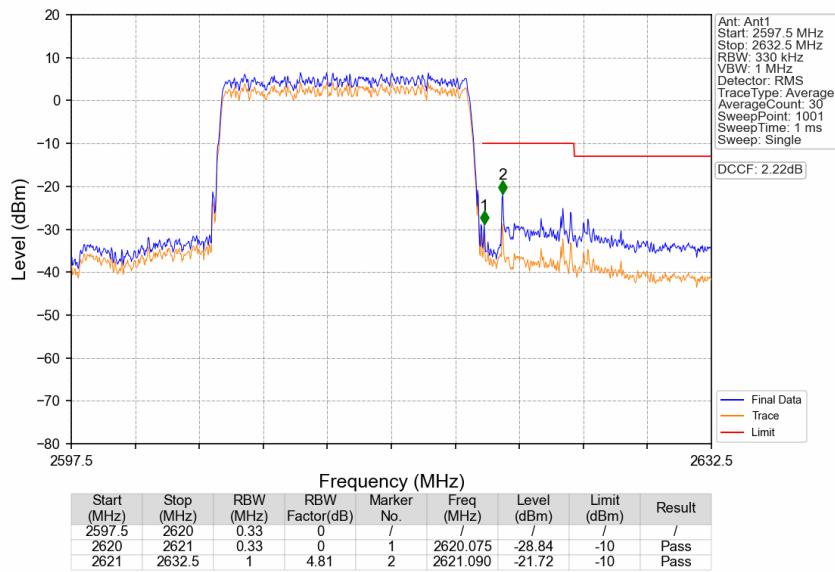
Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_0\_NTNV



Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_1\_74\_NTNV



Band38\_15MHz\_16QAM\_HCH\_2612.5MHz\_RB\_75\_0\_NTNV



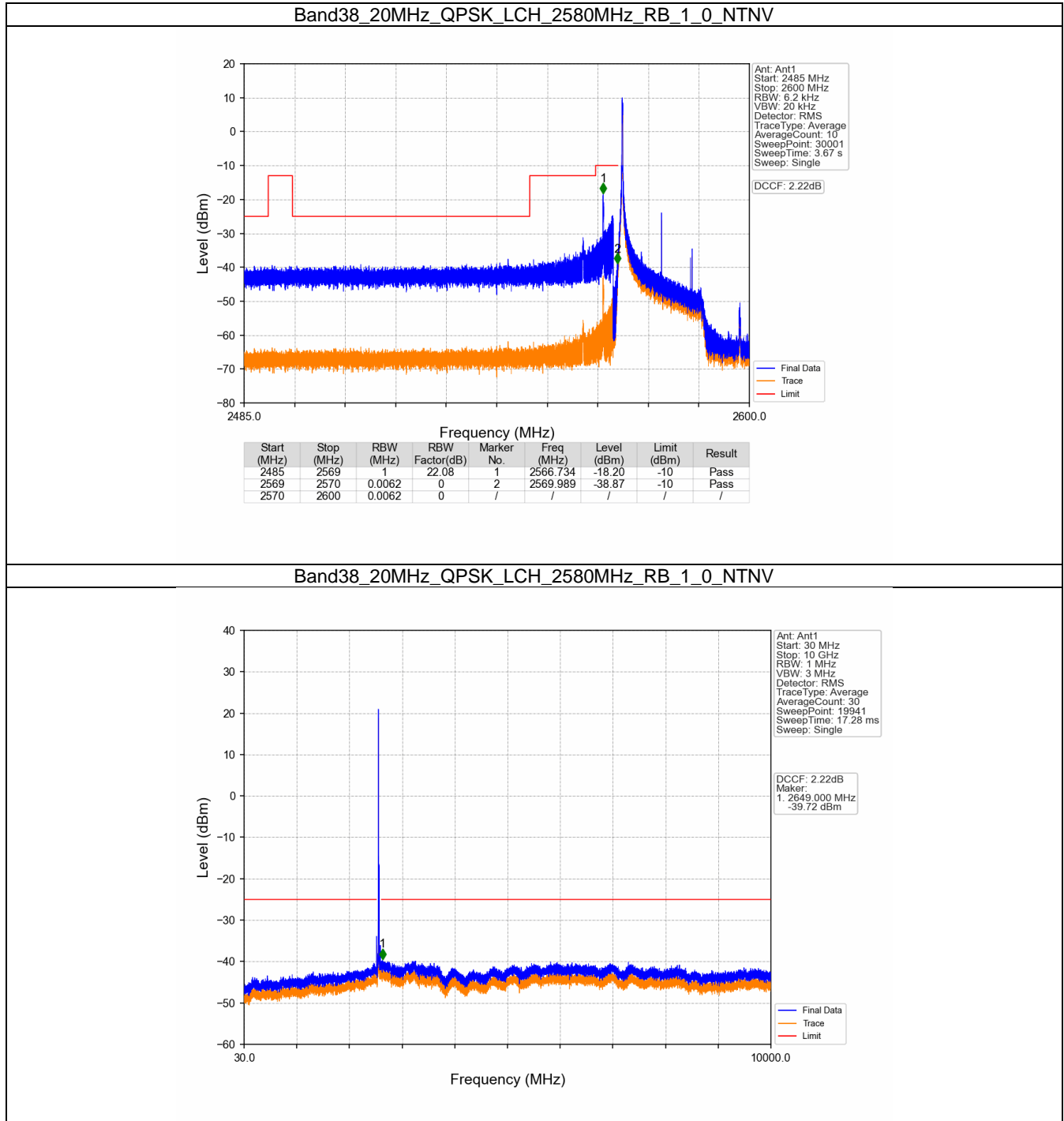
## 2.4 B38\_20MHz

### 2.4.1 Test Result

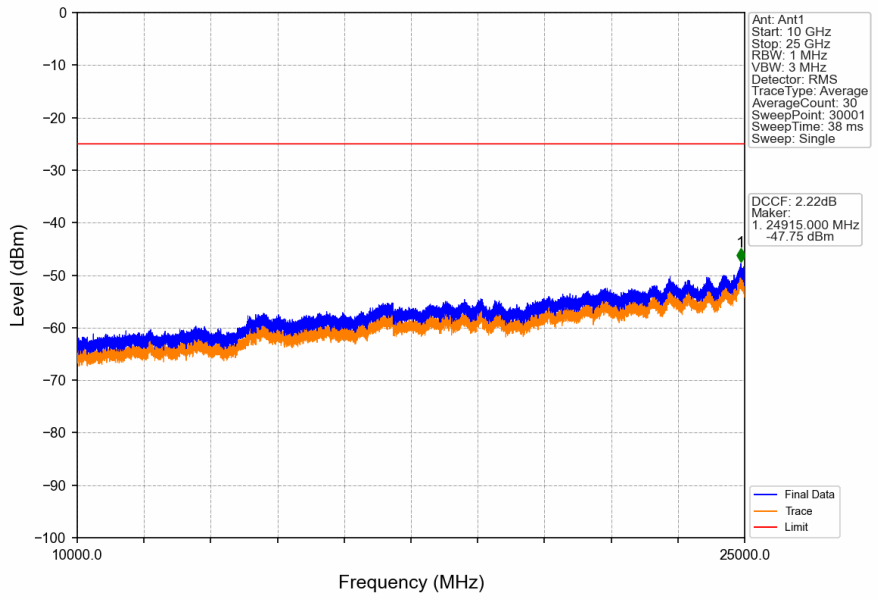
Band: 38 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



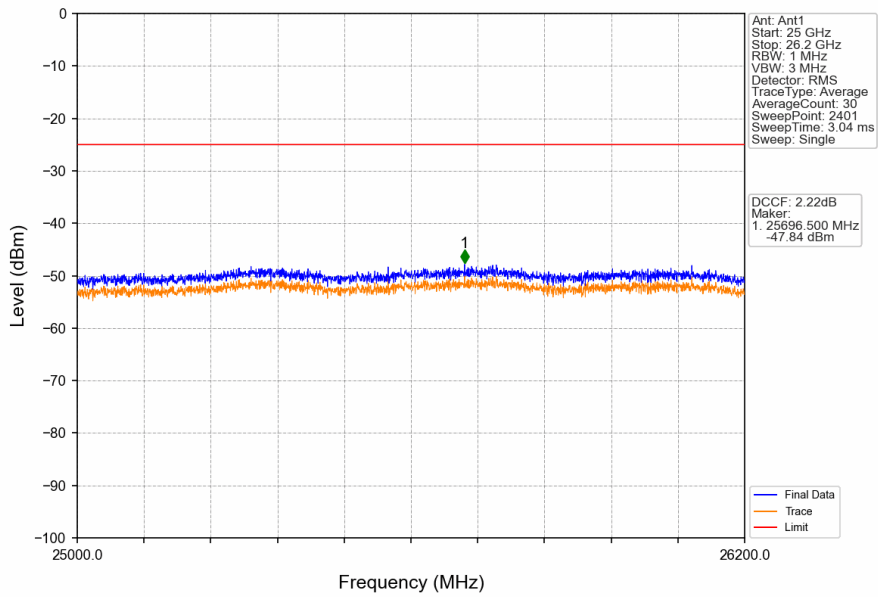
## 2.4.2 Test Graph



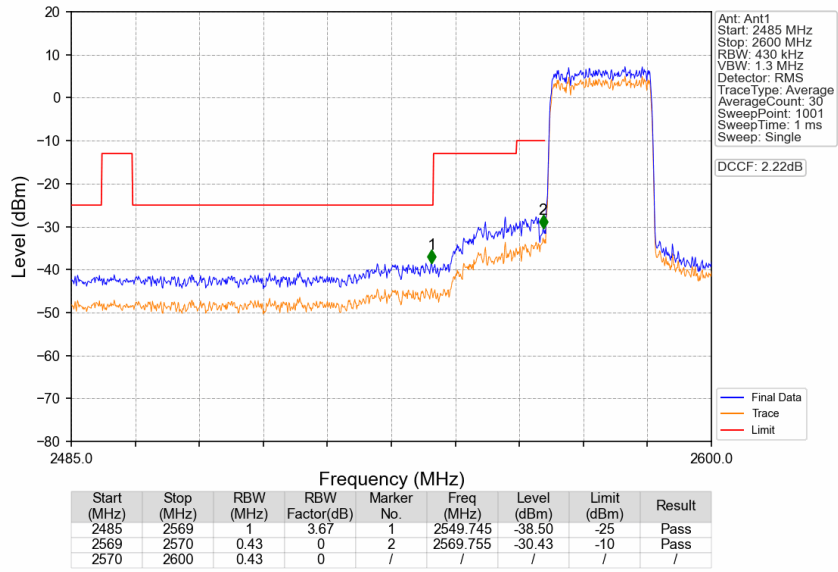
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV



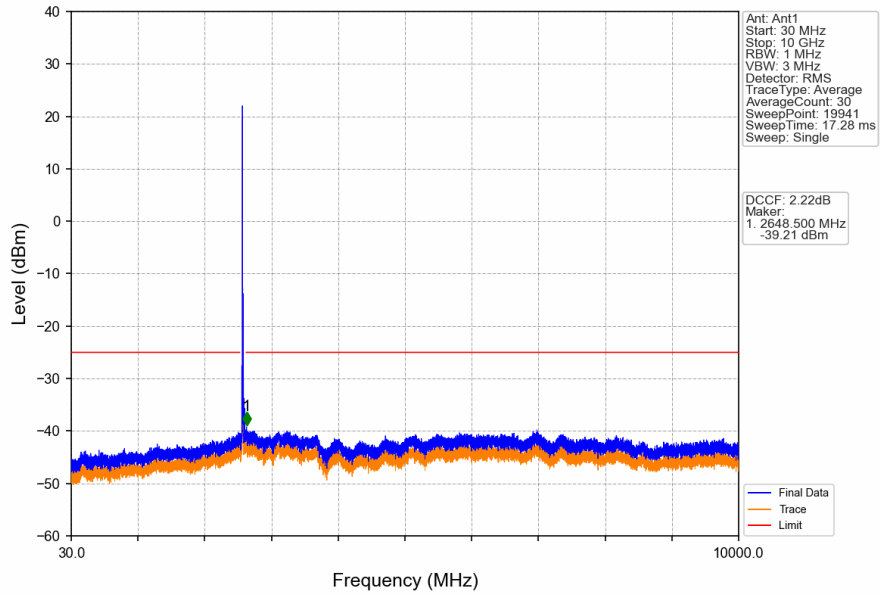
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_1\_0\_NTNV



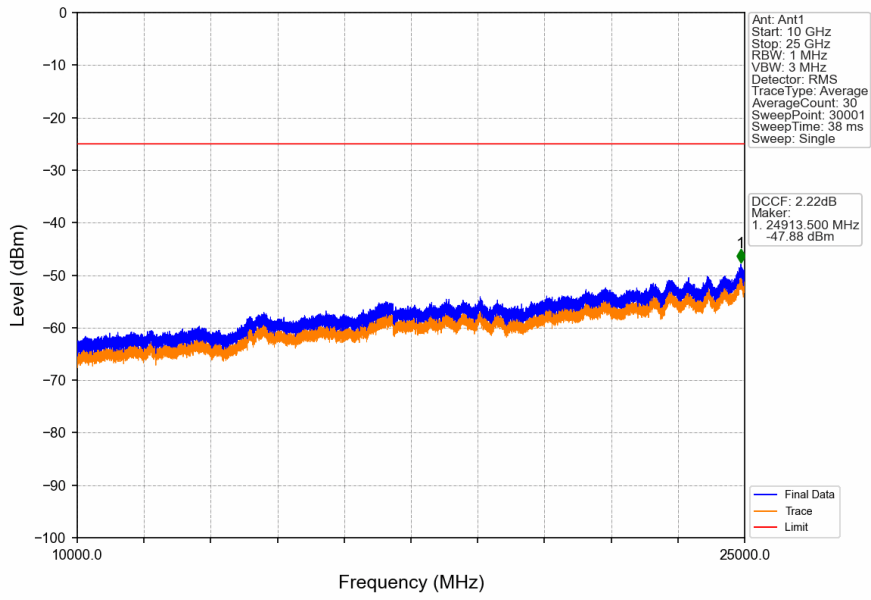
Band38\_20MHz\_QPSK\_LCH\_2580MHz\_RB\_100\_0\_NTNV



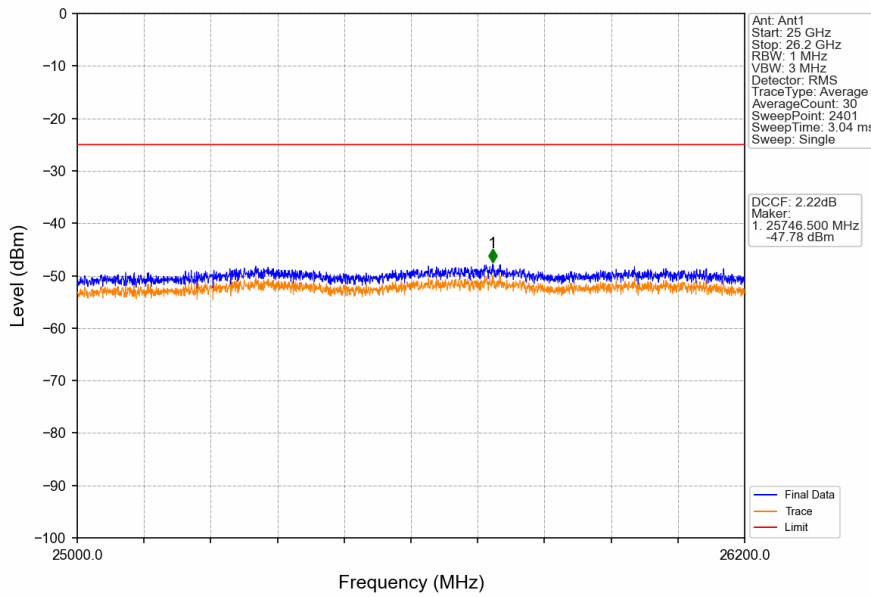
Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



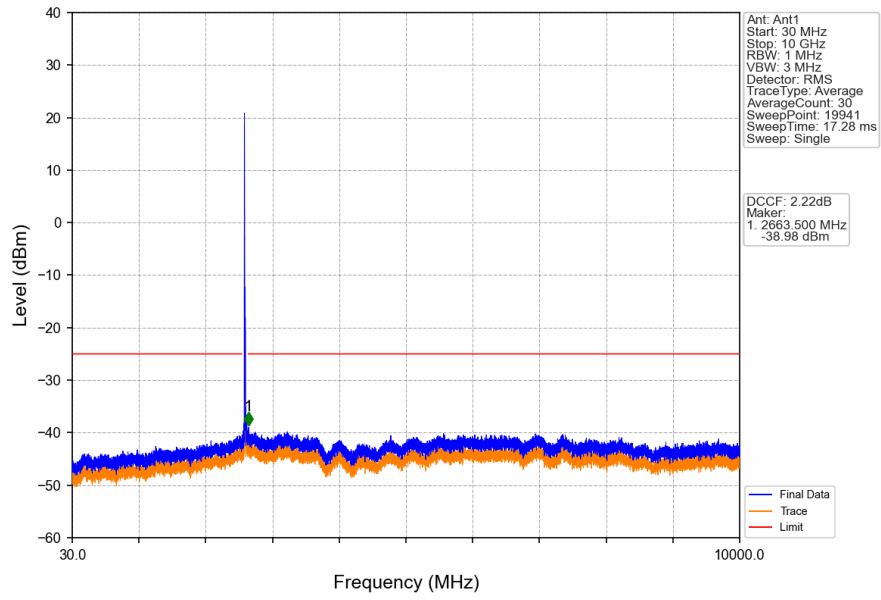
Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



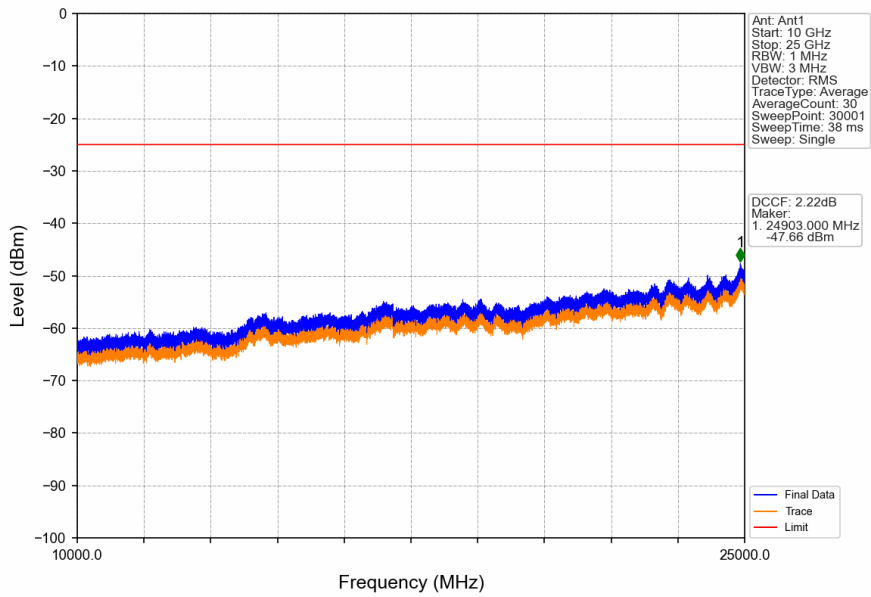
Band38\_20MHz\_QPSK\_MCH\_2595MHz\_RB\_1\_0\_NTNV



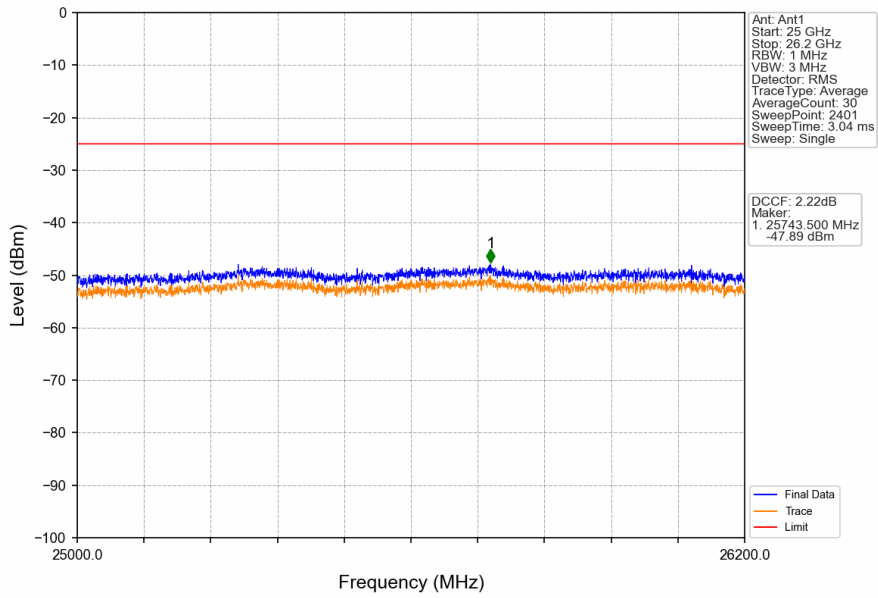
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV



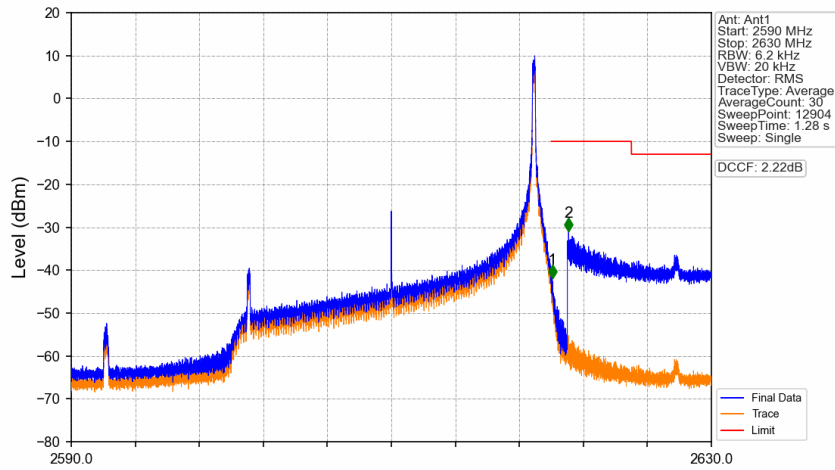
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_0\_NTNV

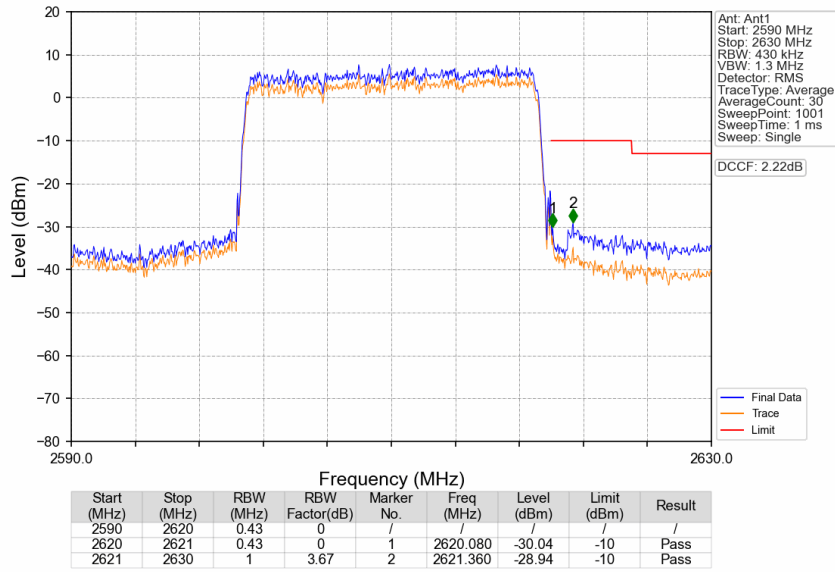


Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_1\_99\_NTNV

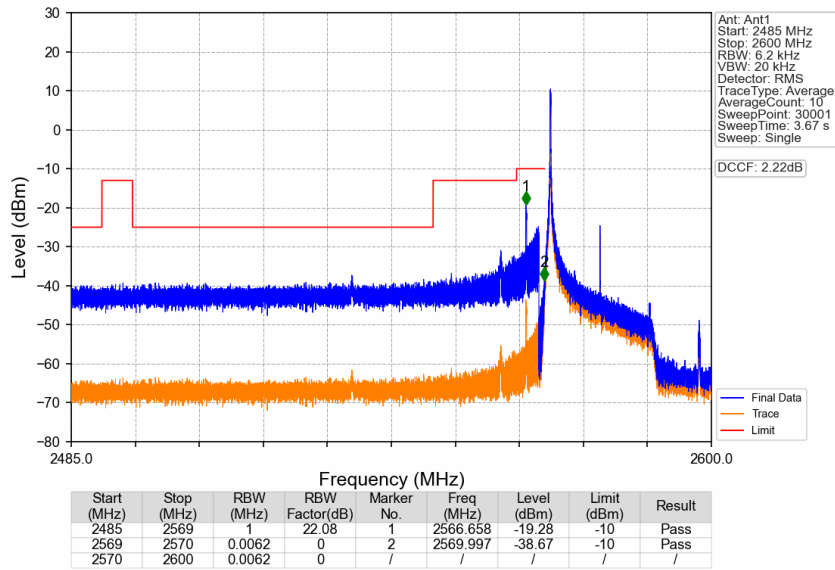


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.052	-41.93	-10	Pass
2621	2630	1	22.08	2	2621.075	-30.94	-10	Pass

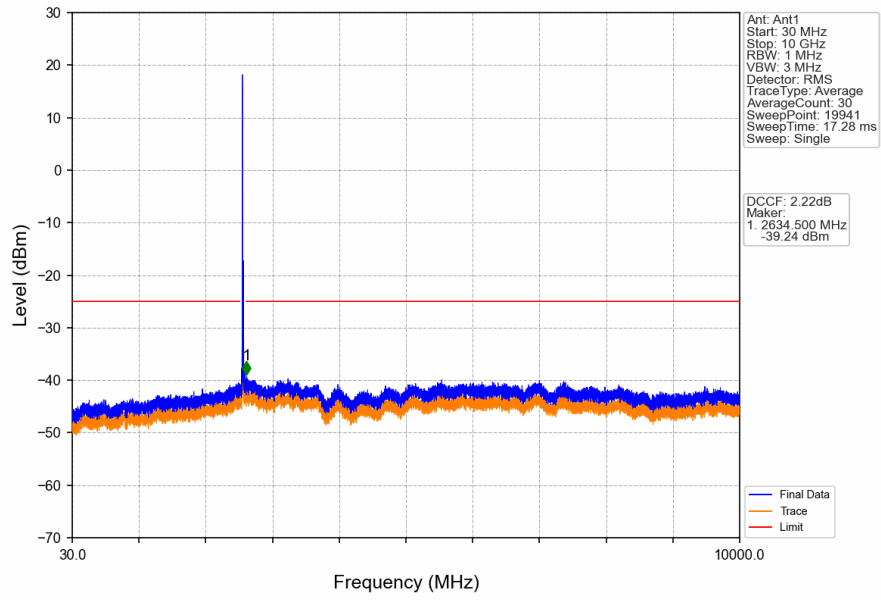
Band38\_20MHz\_QPSK\_HCH\_2610MHz\_RB\_100\_0\_NTNV



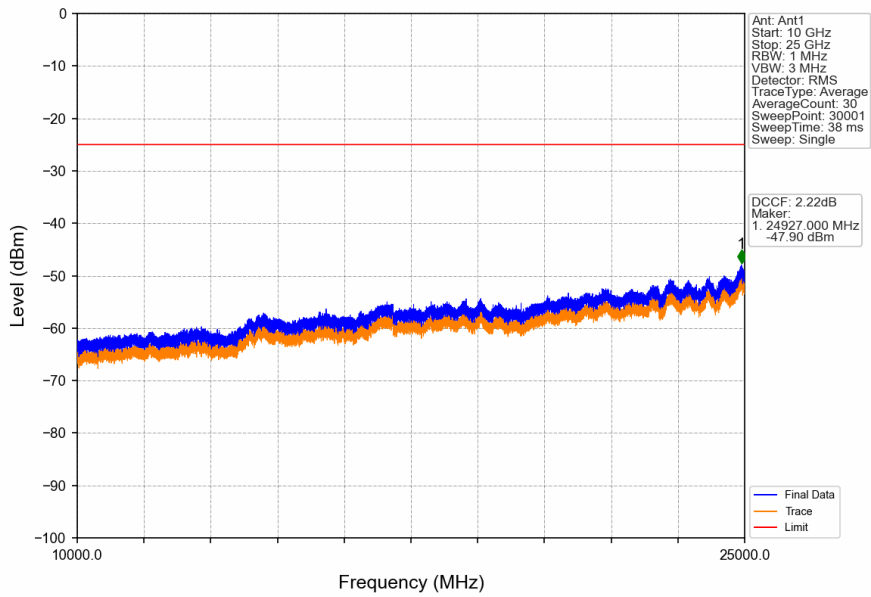
Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV

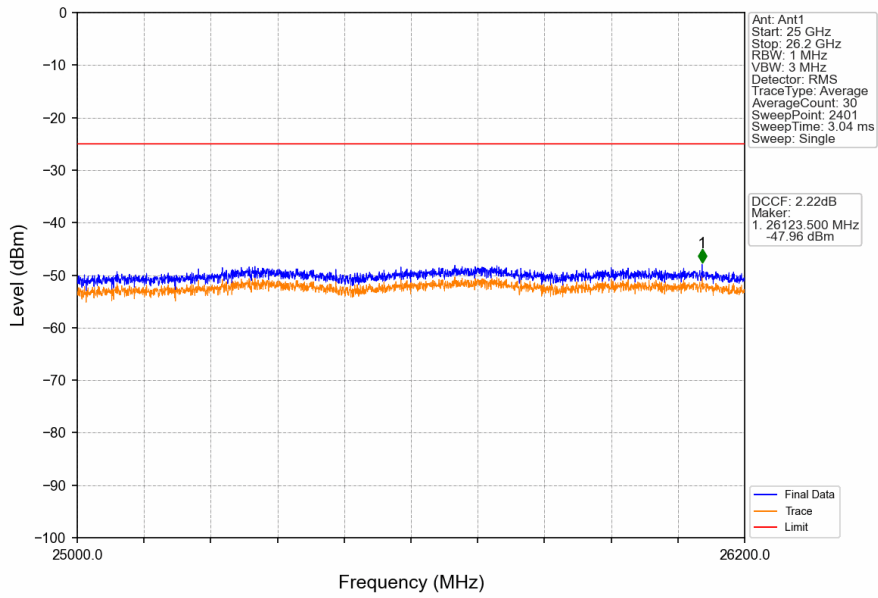


Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV

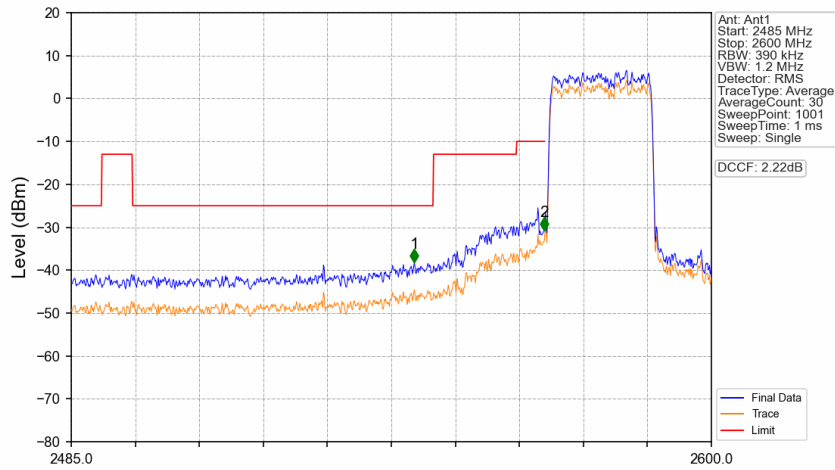




Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_1\_0\_NTNV

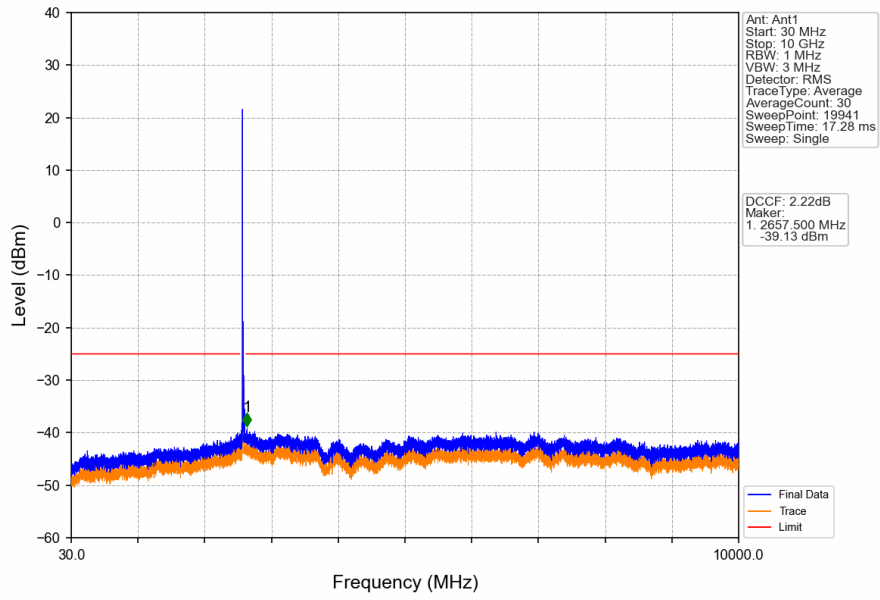


Band38\_20MHz\_16QAM\_LCH\_2580MHz\_RB\_100\_0\_NTNV

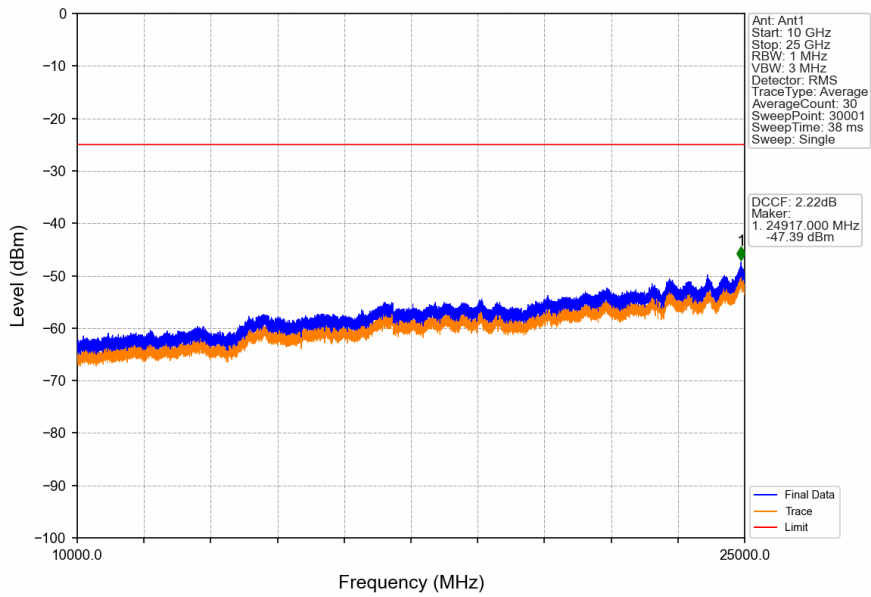


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	4.09	1	2546.640	-38.23	-25	Pass
2569	2570	0.402	0.13	2	2569.985	-30.81	-10	Pass
2570	2600	0.402	0.13	/	/	/	/	/

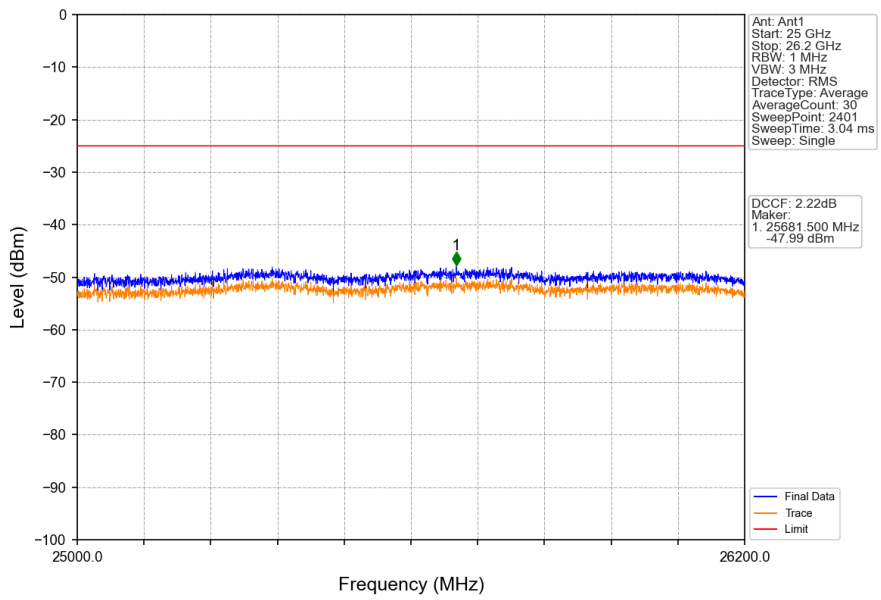
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



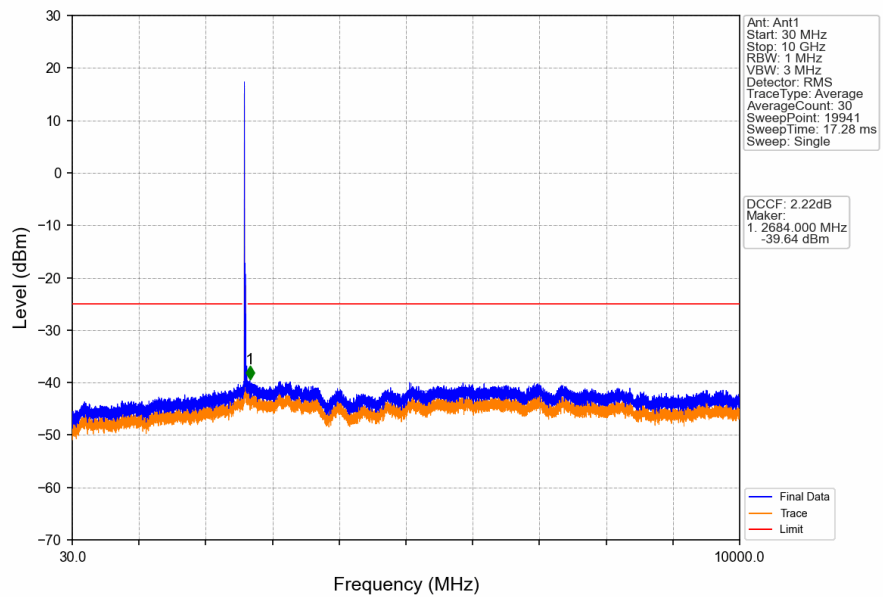
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



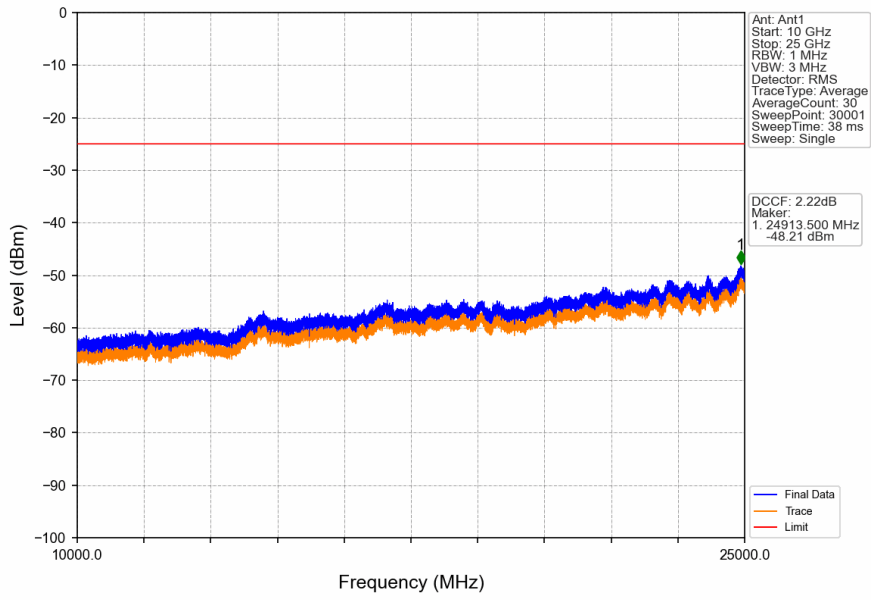
Band38\_20MHz\_16QAM\_MCH\_2595MHz\_RB\_1\_0\_NTNV



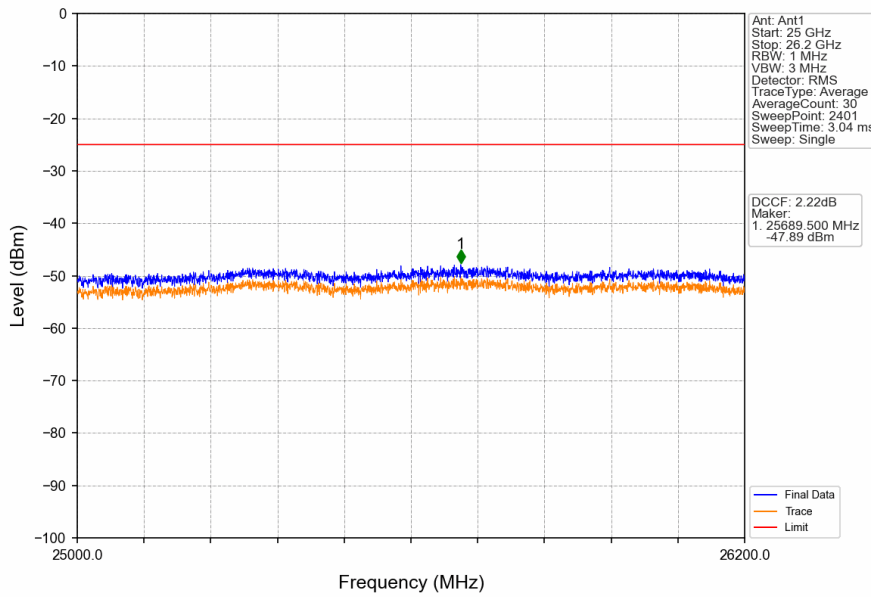
Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV



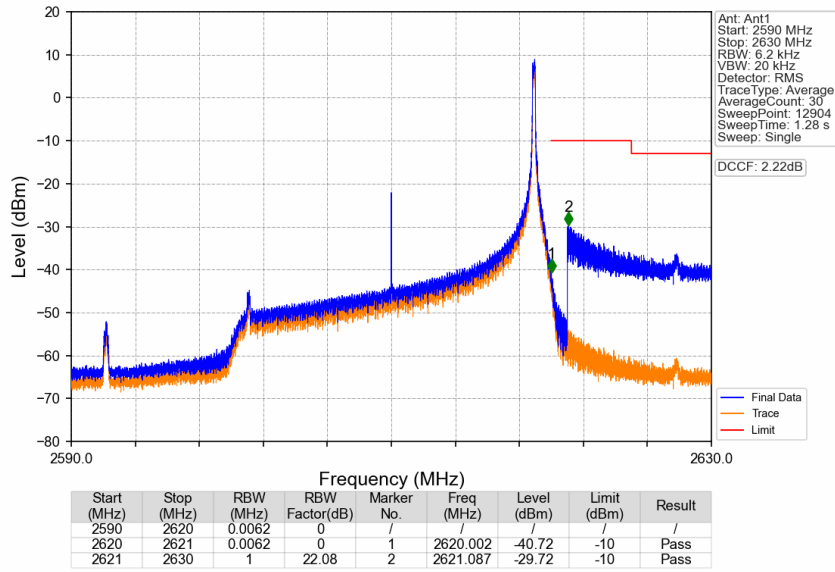
Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV



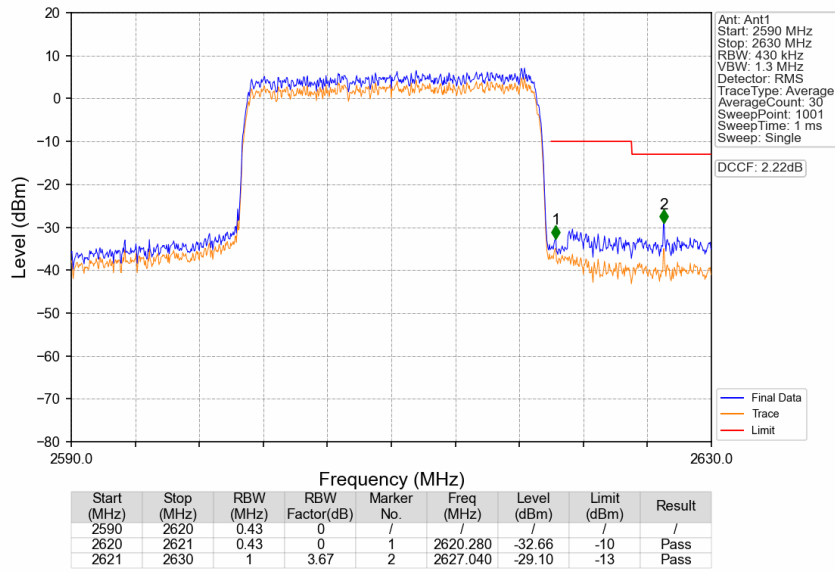
Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_0\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_1\_99\_NTNV



Band38\_20MHz\_16QAM\_HCH\_2610MHz\_RB\_100\_0\_NTNV



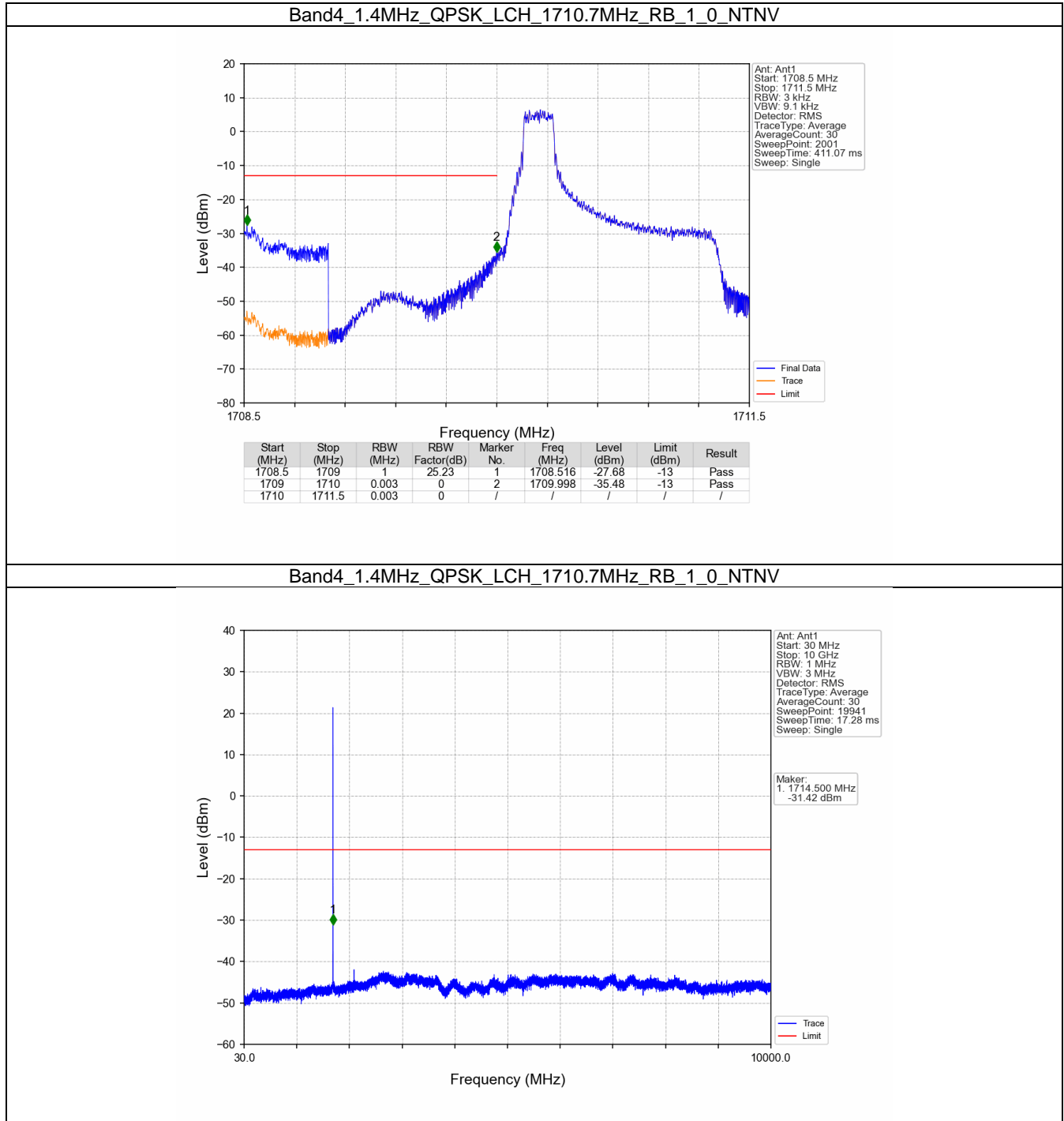
### 3. Spurious Emission

#### 3.1 B4\_1.4MHz

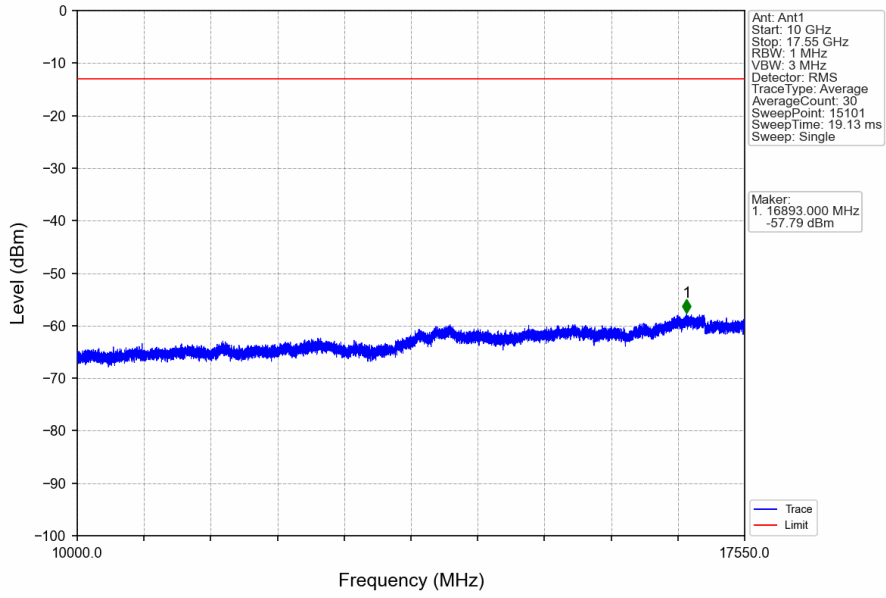
##### 3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

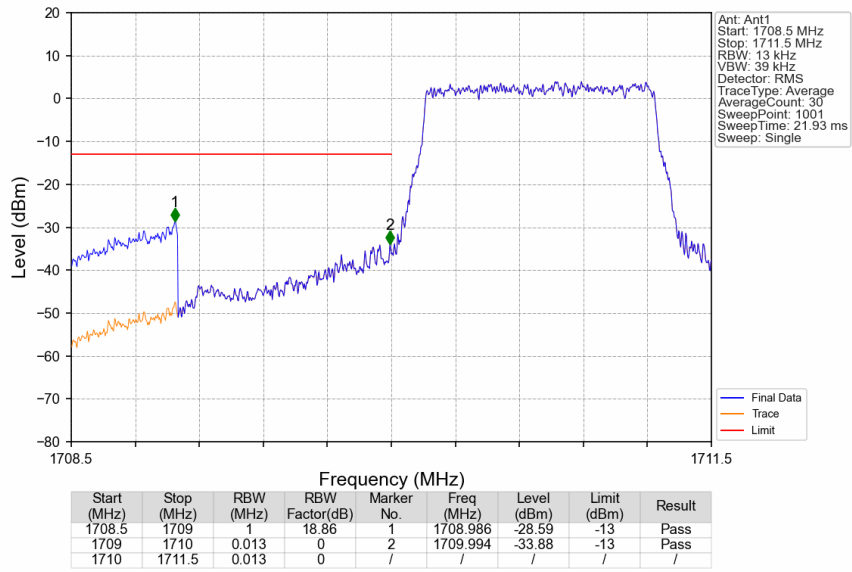
### 3.1.2 Test Graph



Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

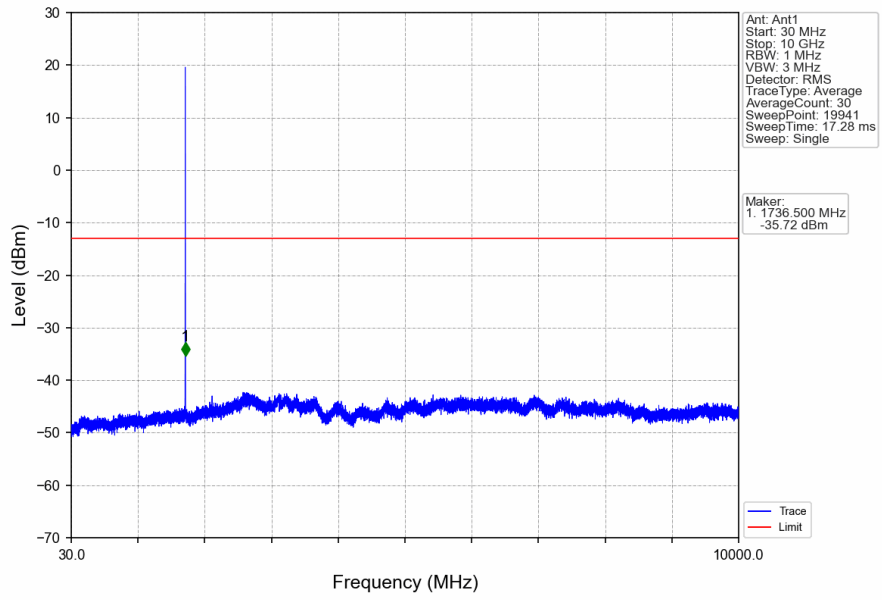


Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

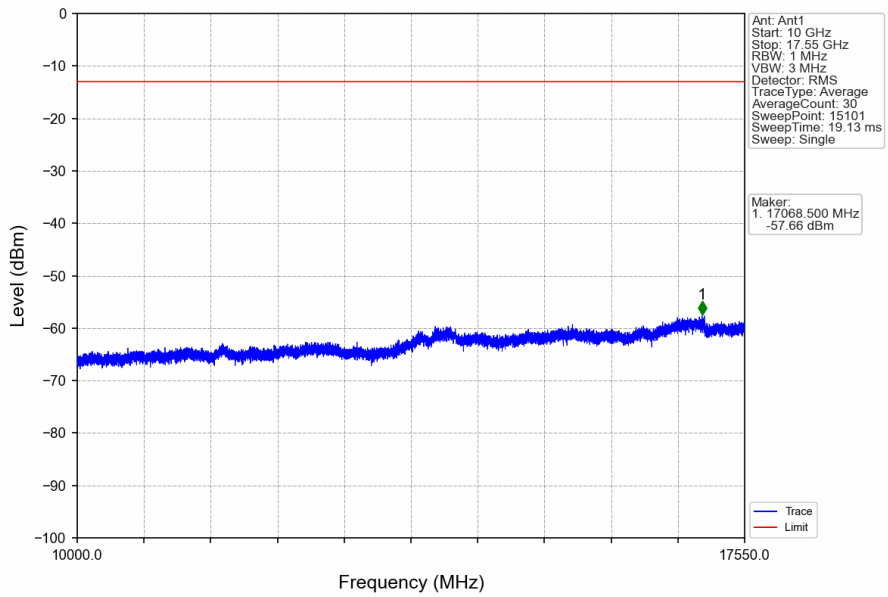




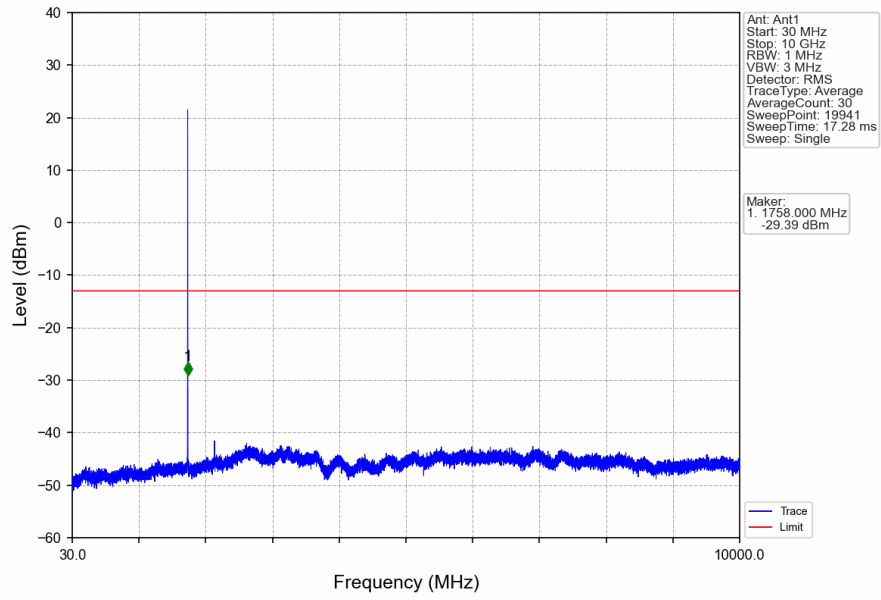
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



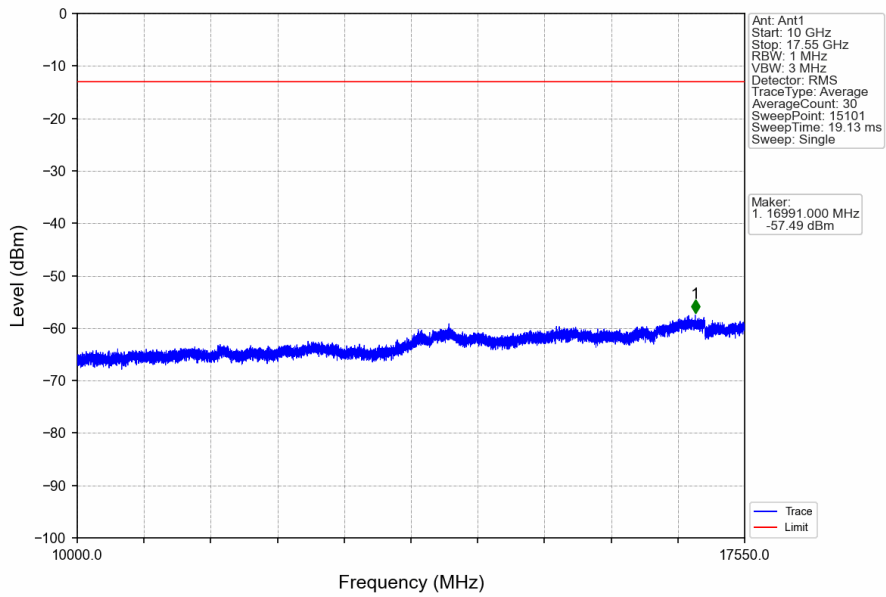
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



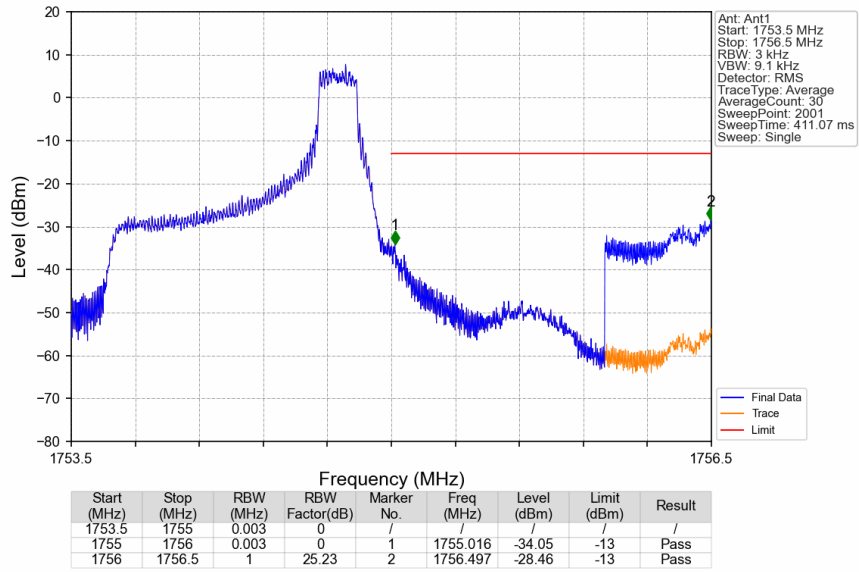
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



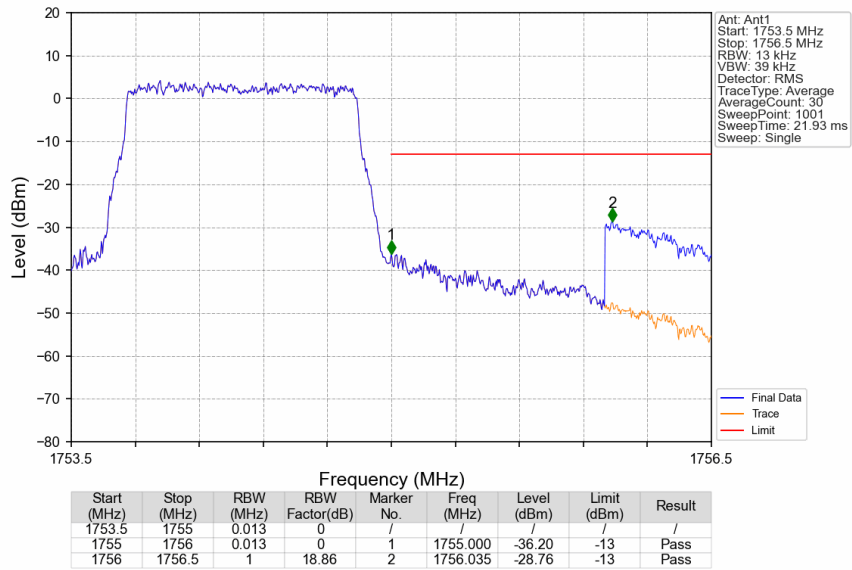
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



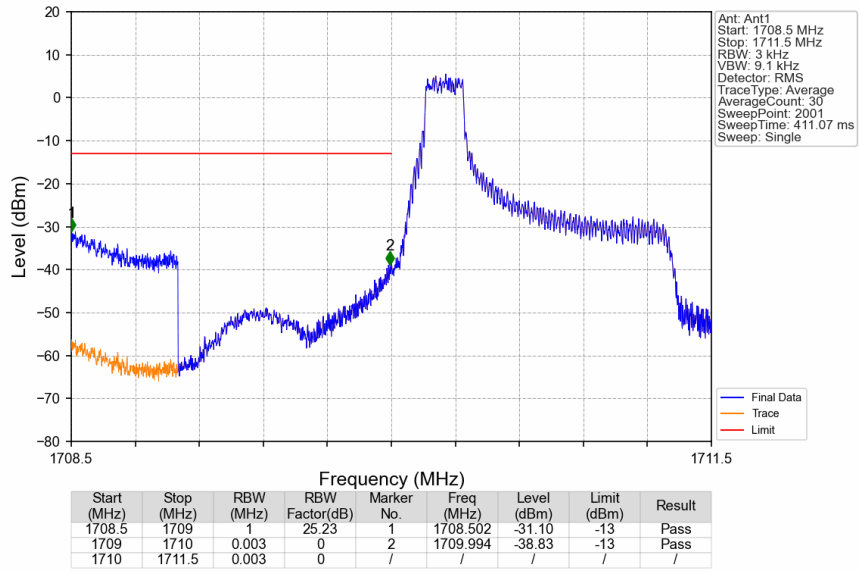
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



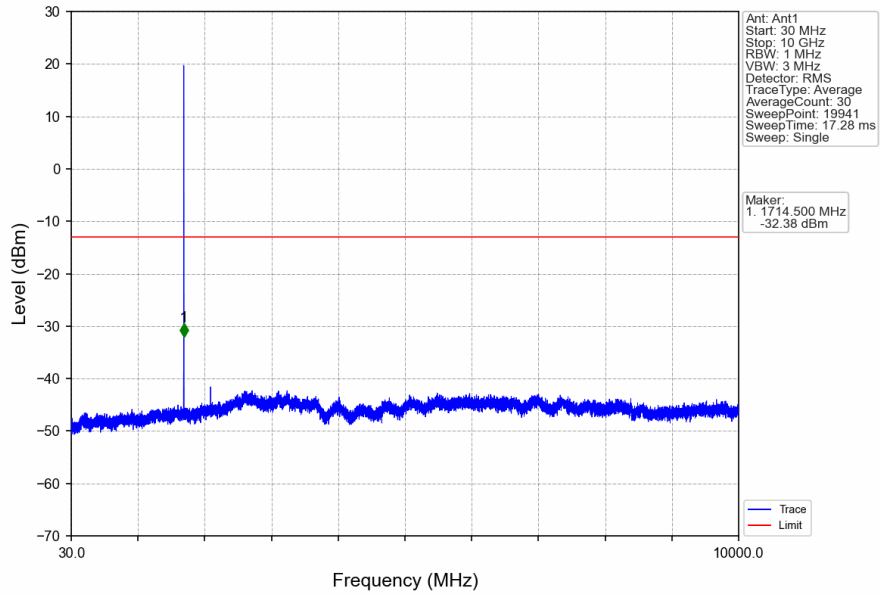
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



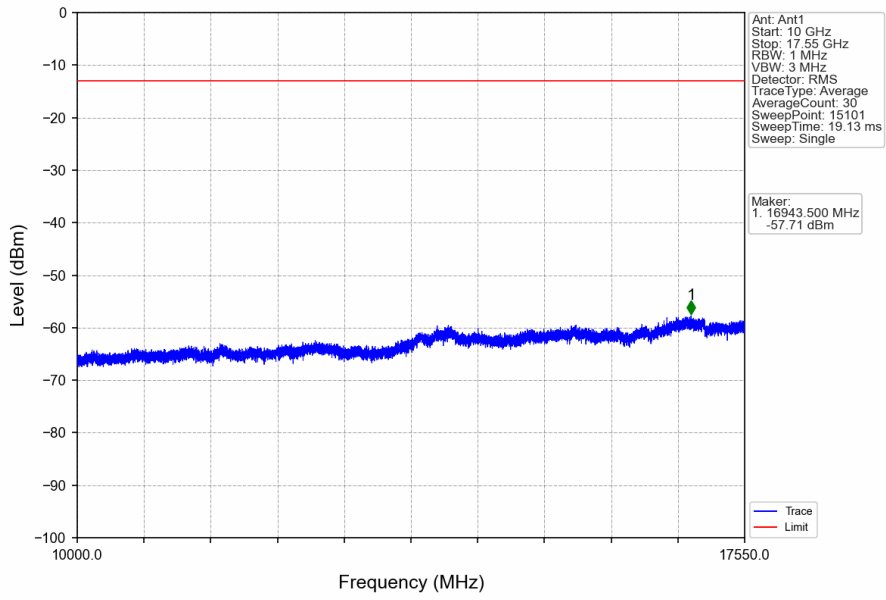
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



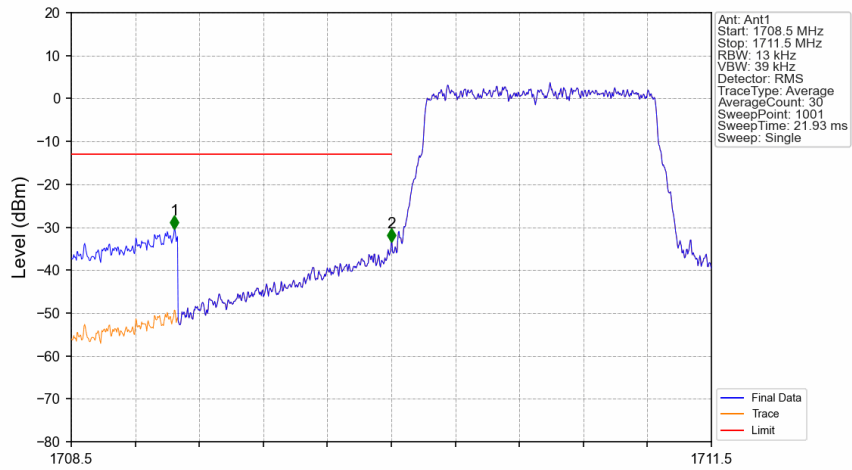
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

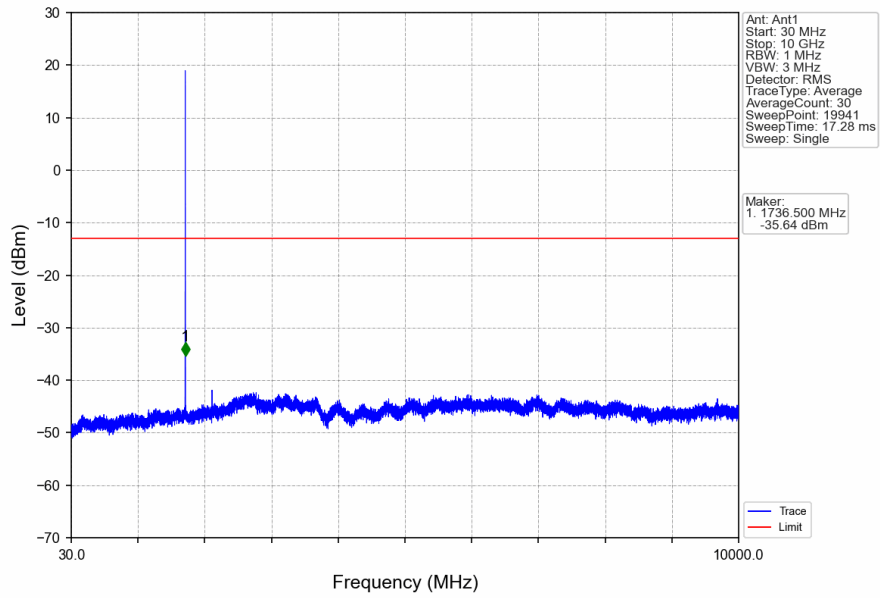


Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

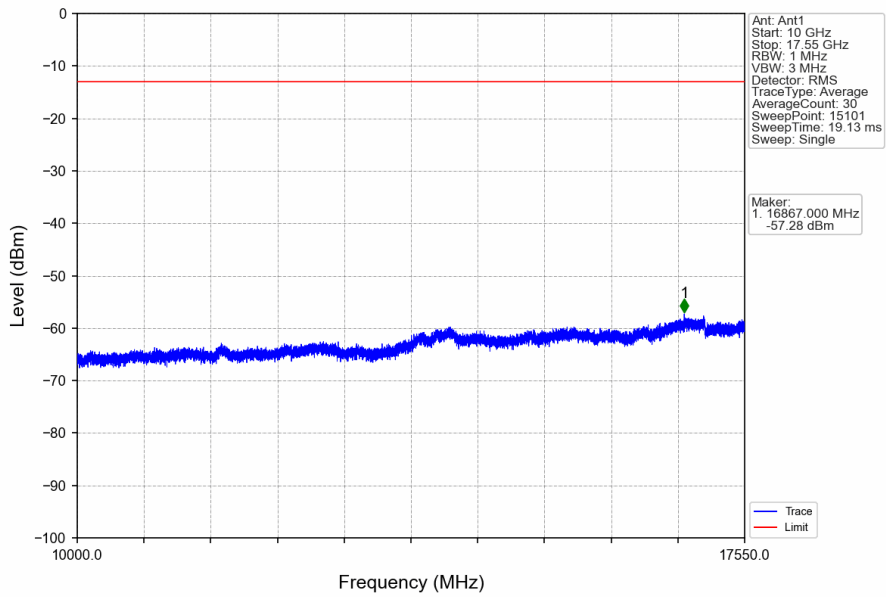


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	18.86	1	1708.983	-30.46	-13	Pass
1709	1710	0.013	0	2	1710.000	-33.47	-13	Pass
1710	1711.5	0.013	0	/	/	/	/	/

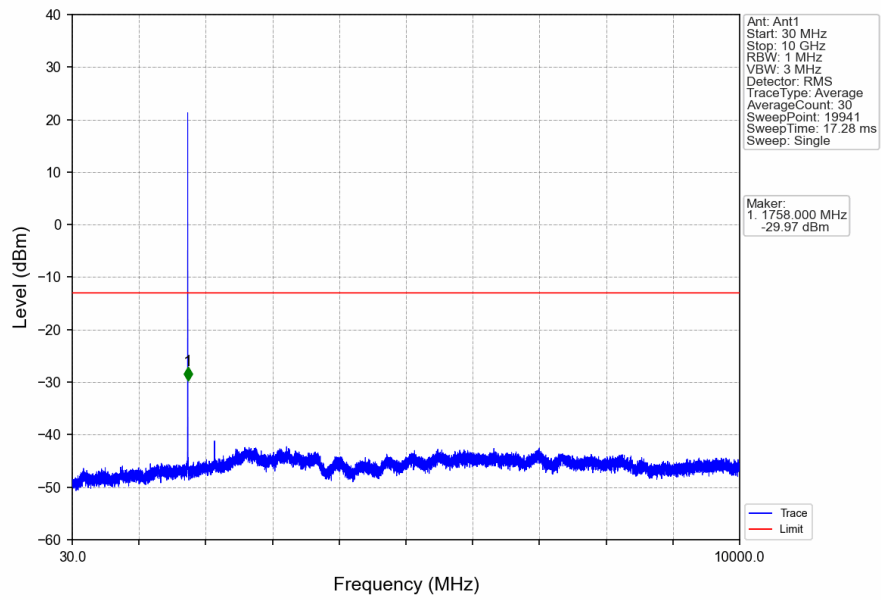
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



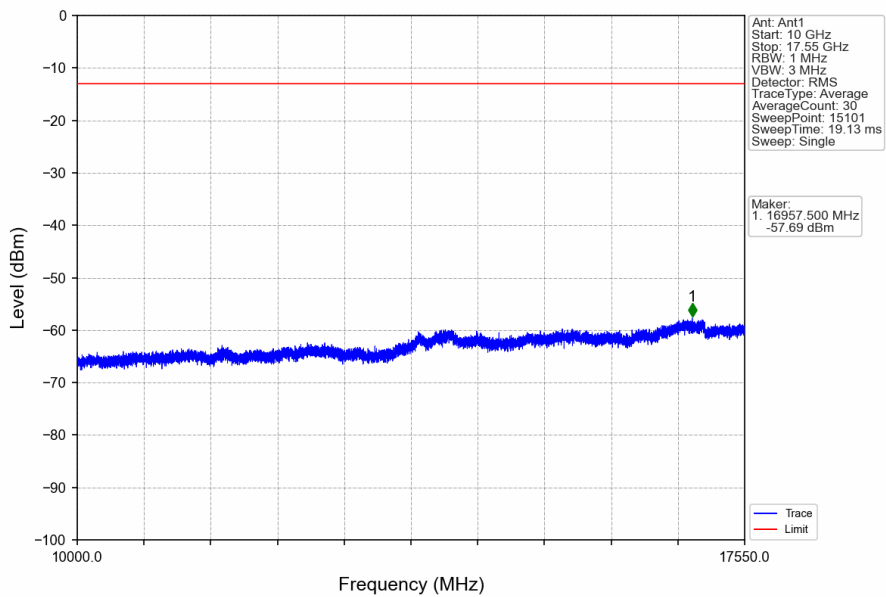
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



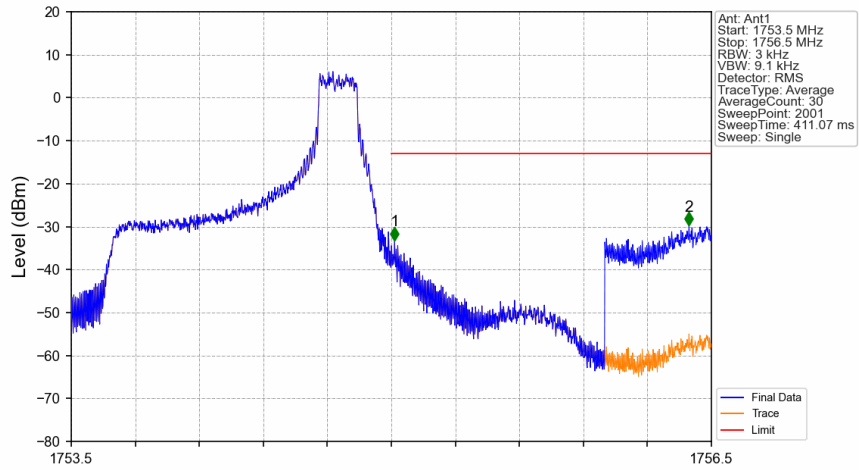
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV

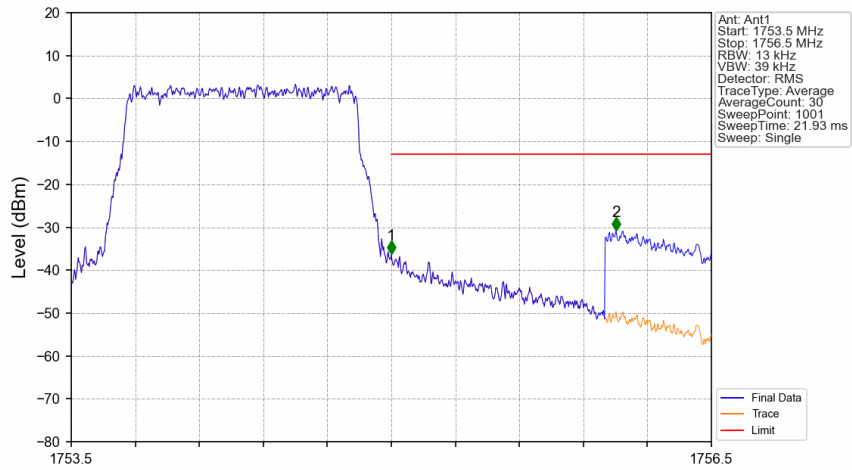


Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.015	-33.17	-13	Pass
1756	1756.5	1	25.23	2	1756.395	-29.73	-13	Pass

Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	0	/	/	/	/	/
1755	1756	0.013	0	1	1755.000	-36.33	-13	Pass
1756	1756.5	1	18.86	2	1756.053	-30.78	-13	Pass

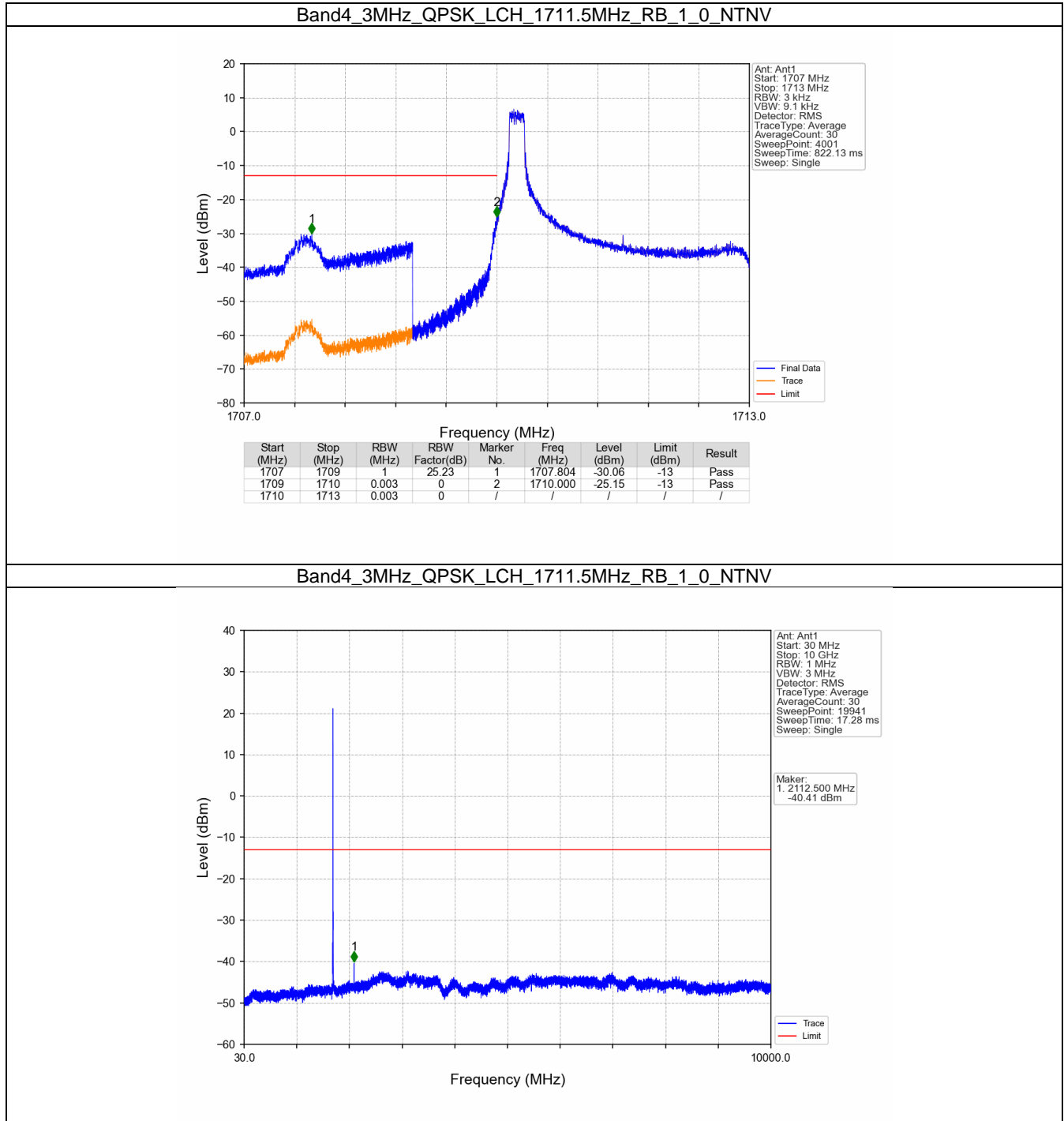


### 3.2 B4\_3MHz

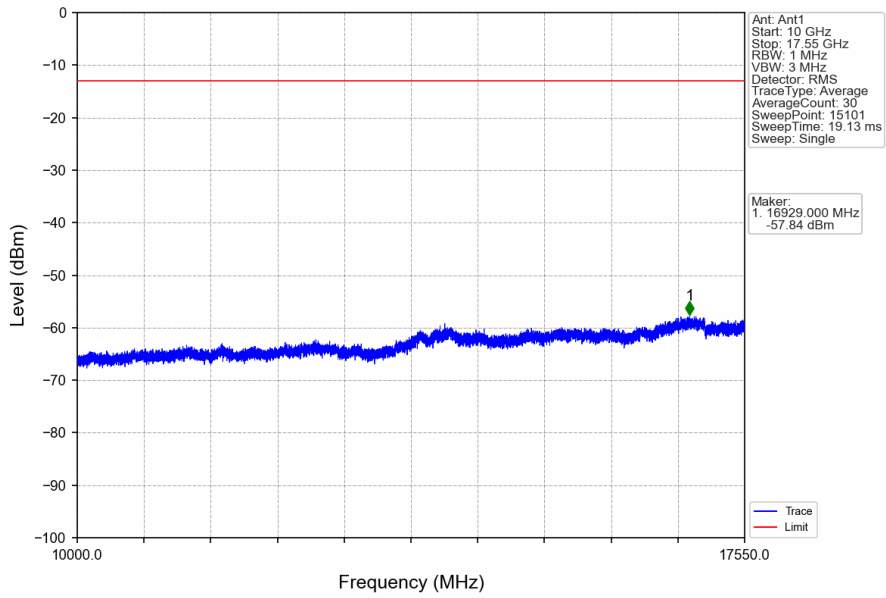
#### 3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

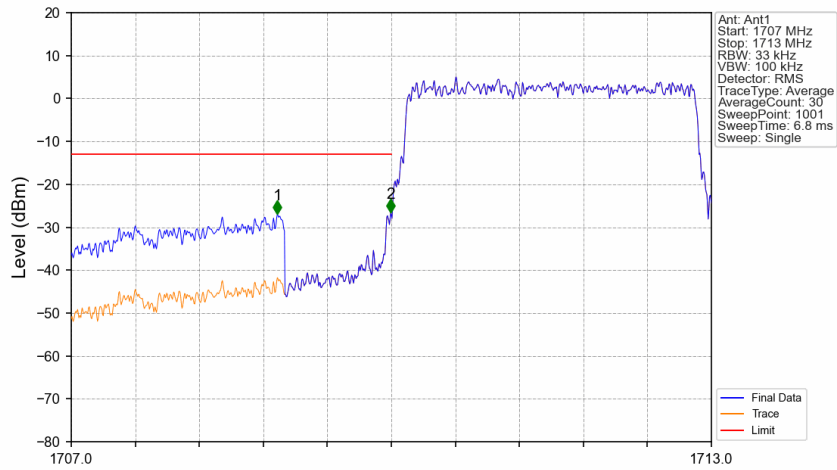
### 3.2.2 Test Graph



Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

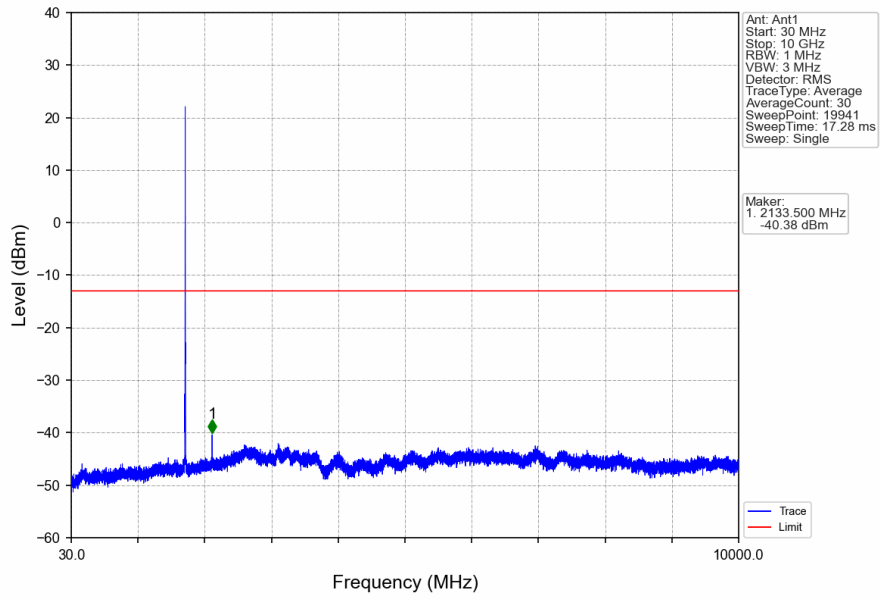


Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

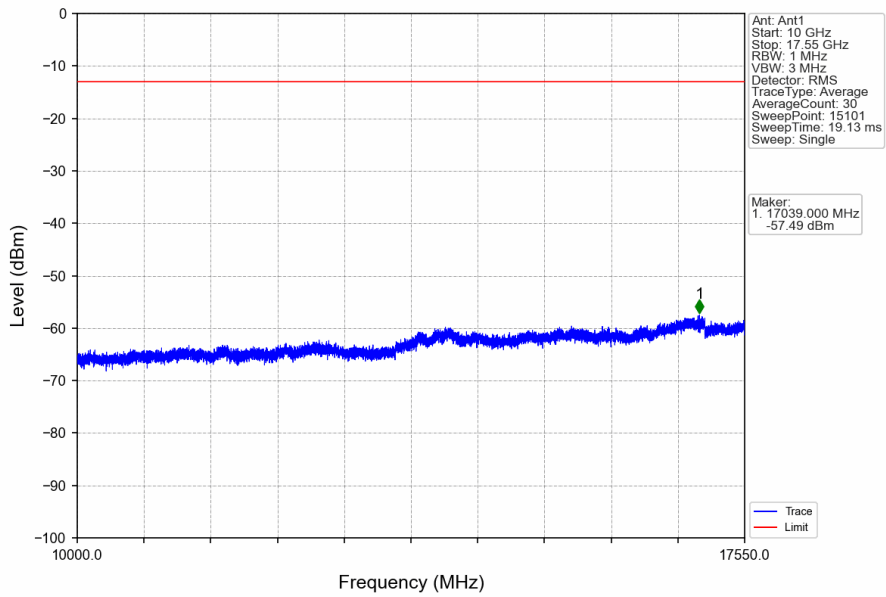


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	14.81	1	1708.932	-26.94	-13	Pass
1709	1710	0.033	0	2	1709.994	-26.64	-13	Pass
1710	1713	0.033	0	/	/	/	/	/

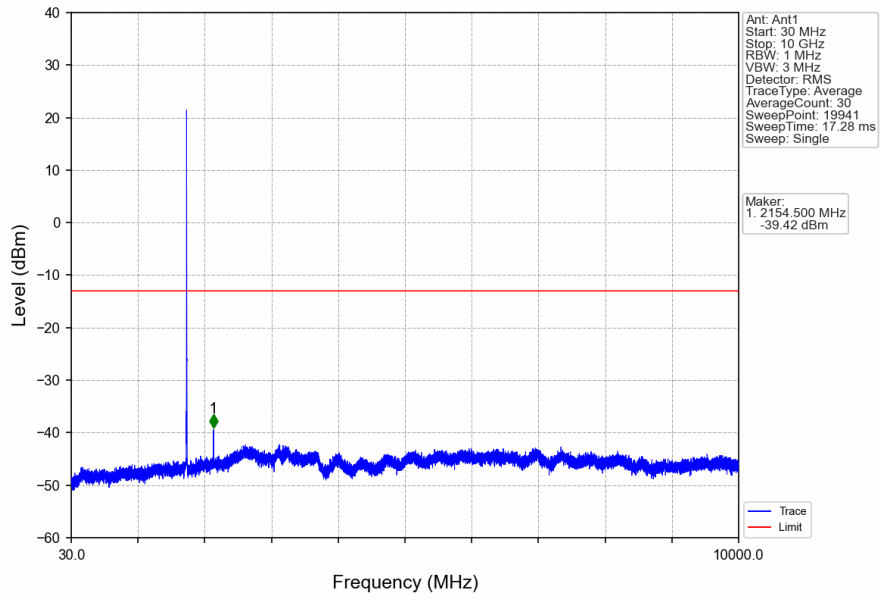
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



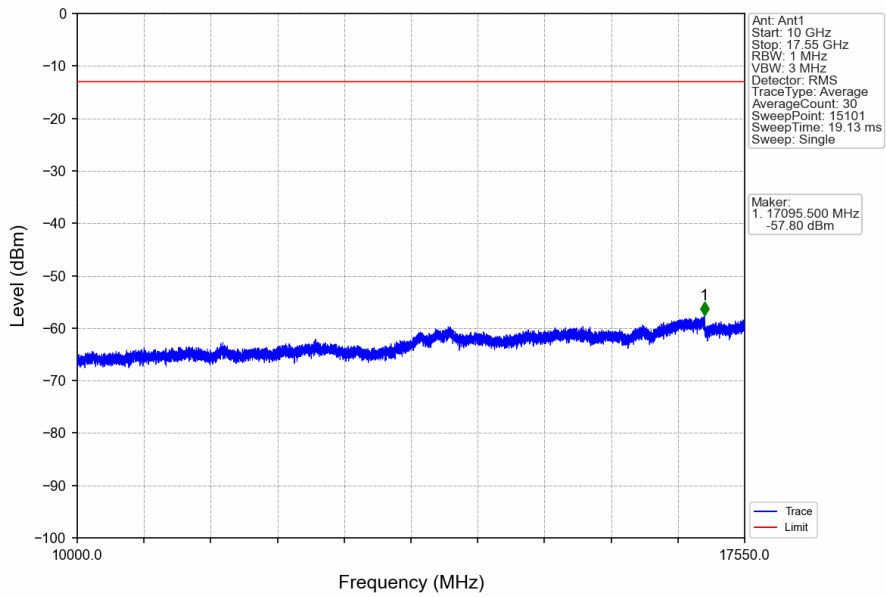
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



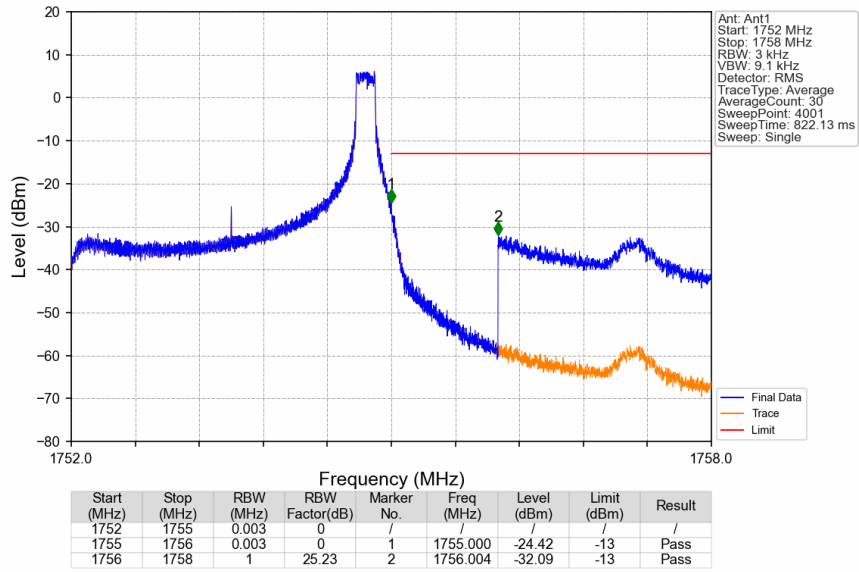
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



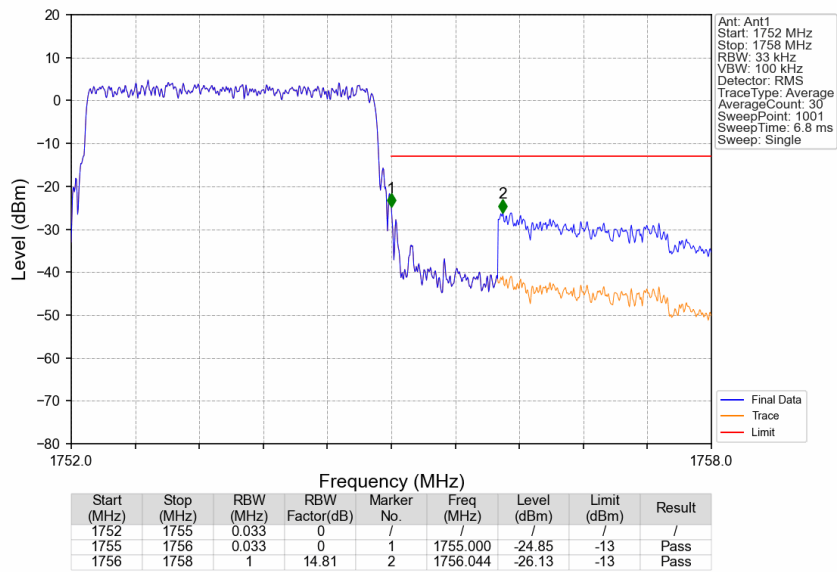
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



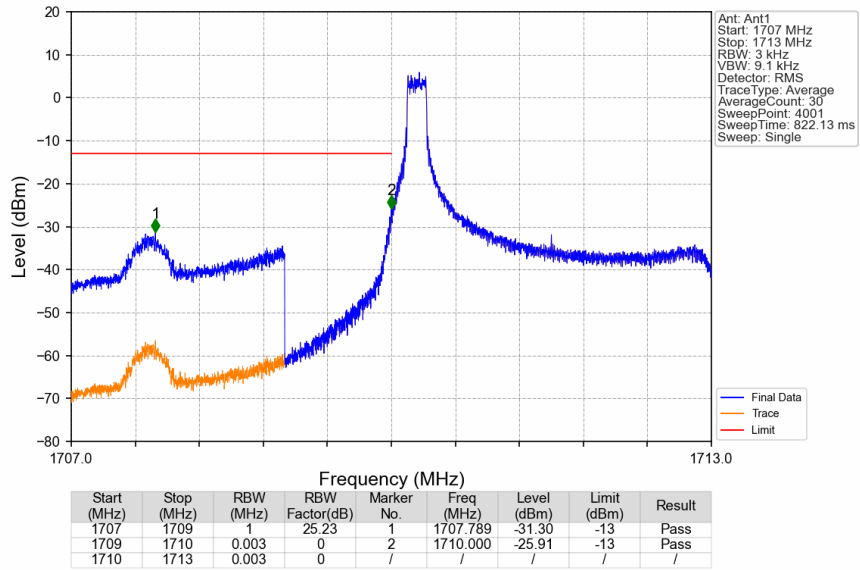
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



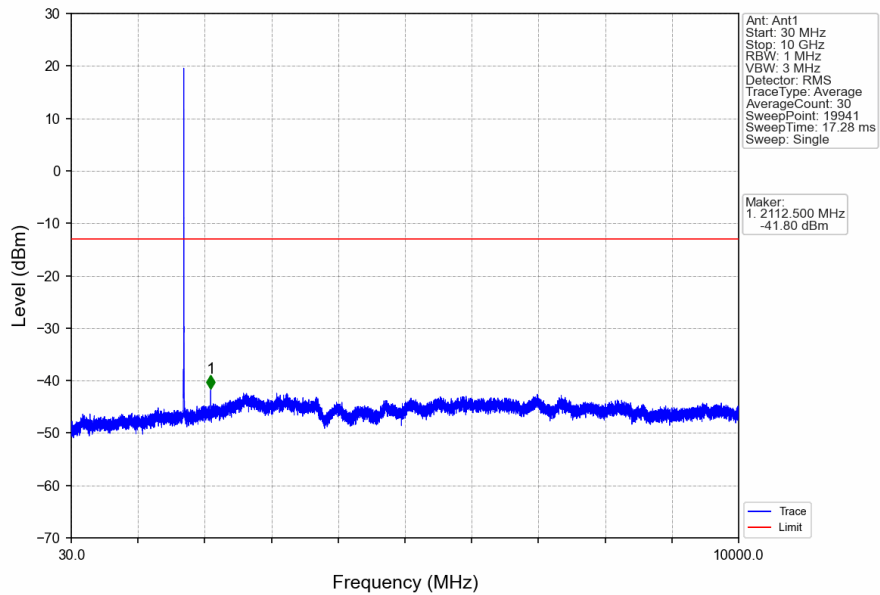
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



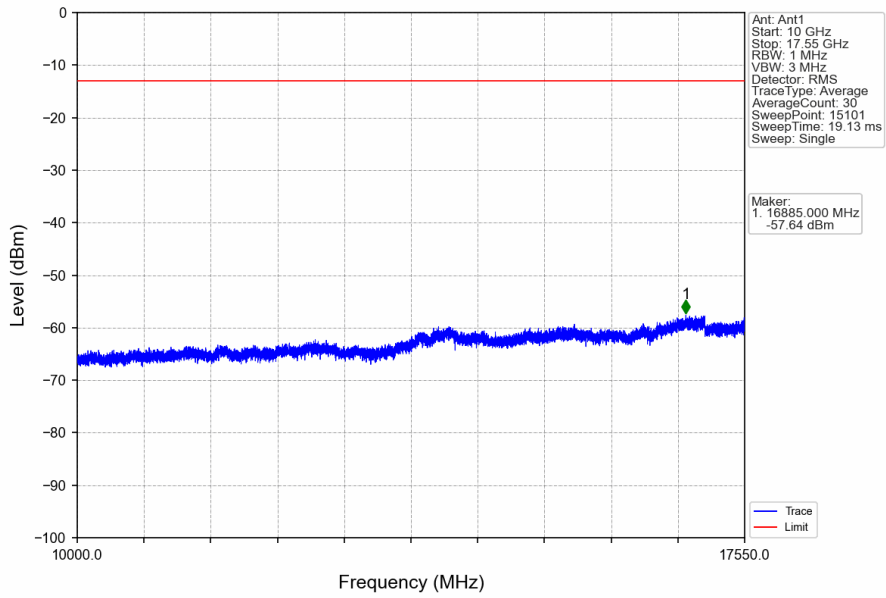
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



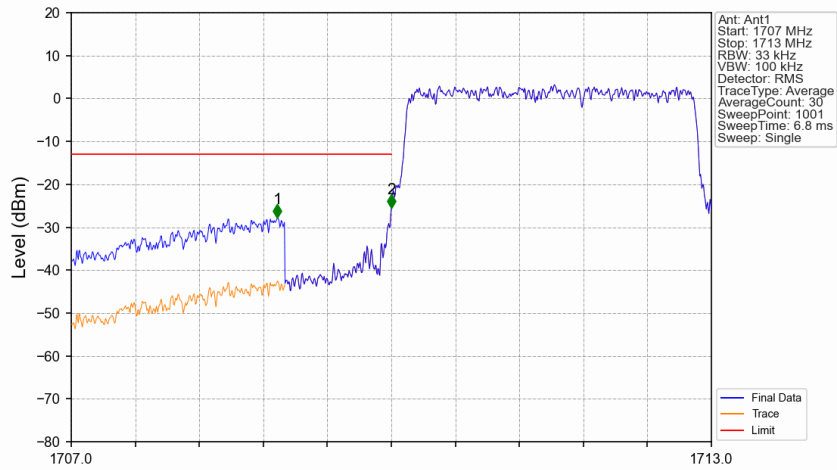
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



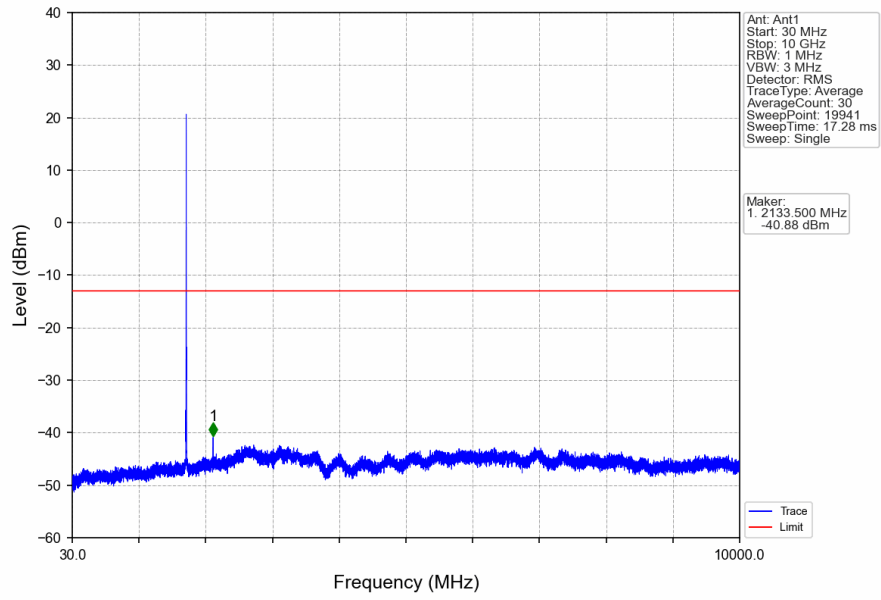
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



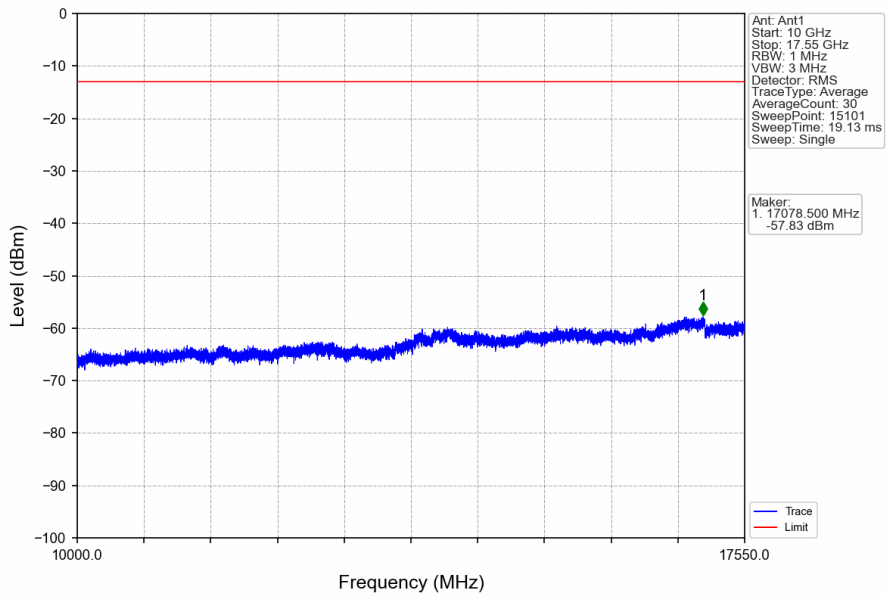
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	14.81	1	1708.932	-27.75	-13	Pass
1709	1710	0.033	0	2	1710.000	-25.51	-13	Pass
1710	1713	0.033	0	/	/	/	/	/



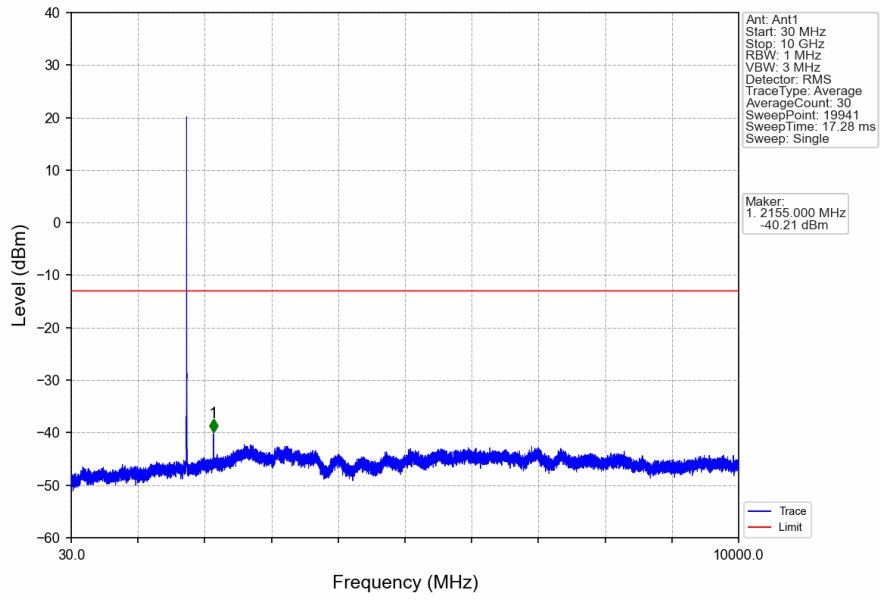
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



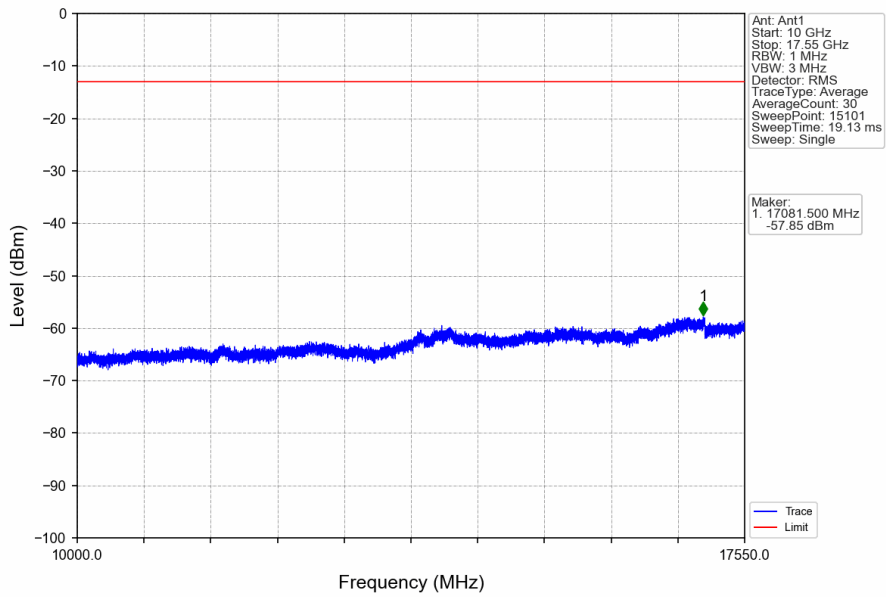
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



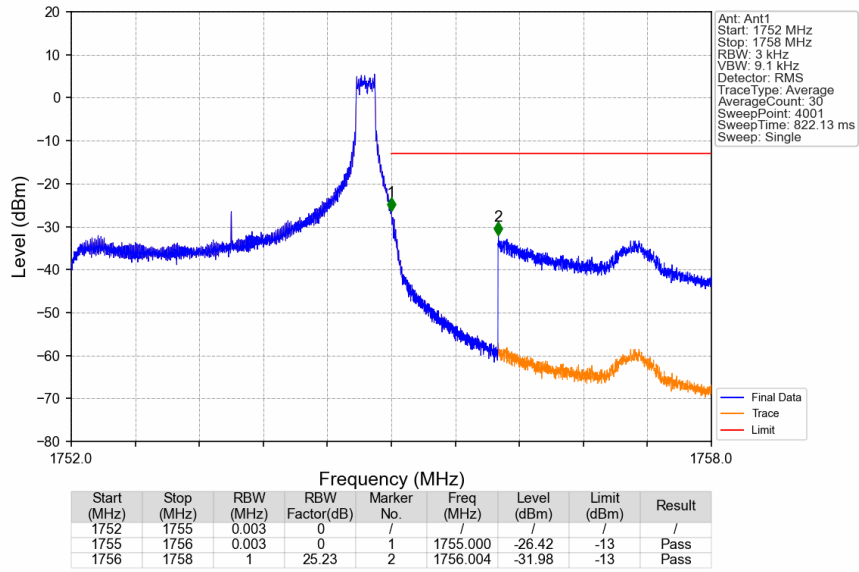
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



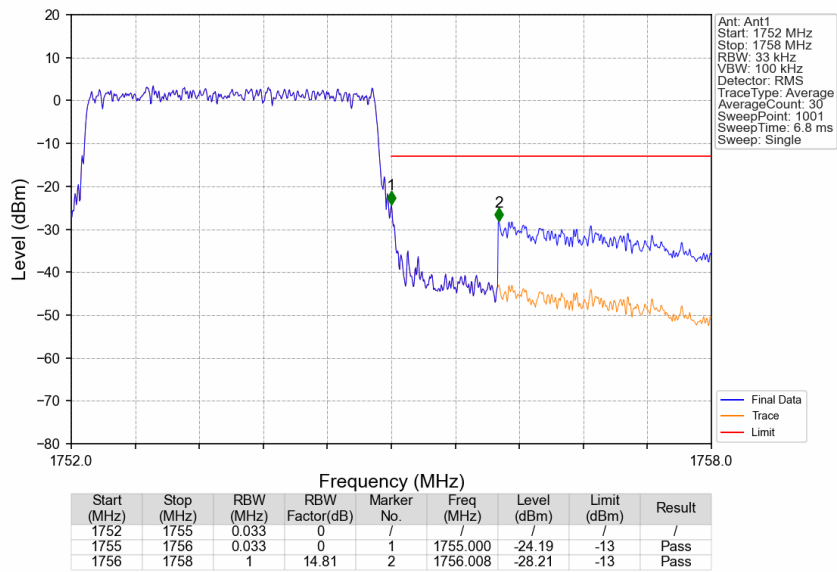
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_14\_NTVN



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTVN

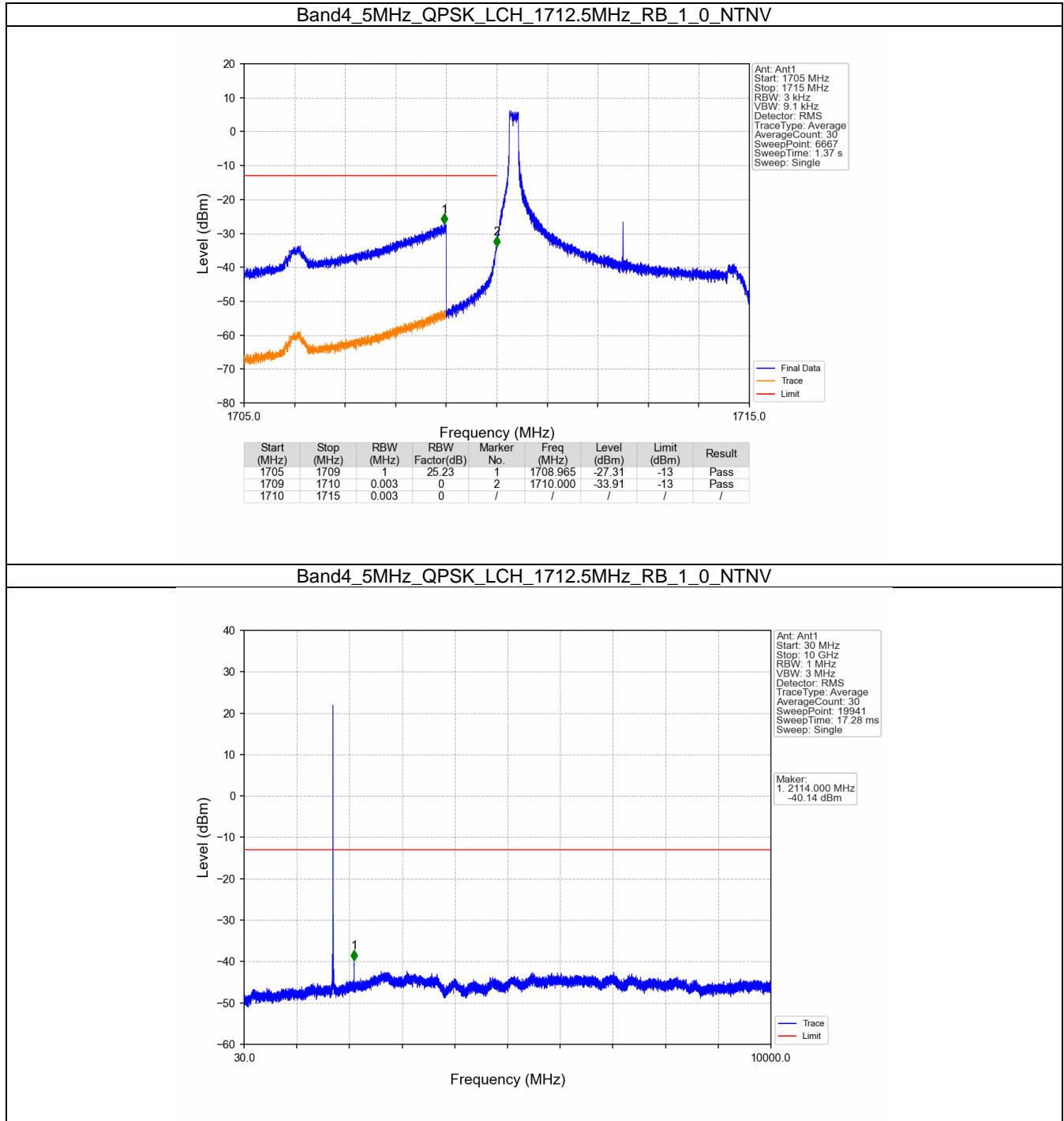


### 3.3 B4\_5MHz

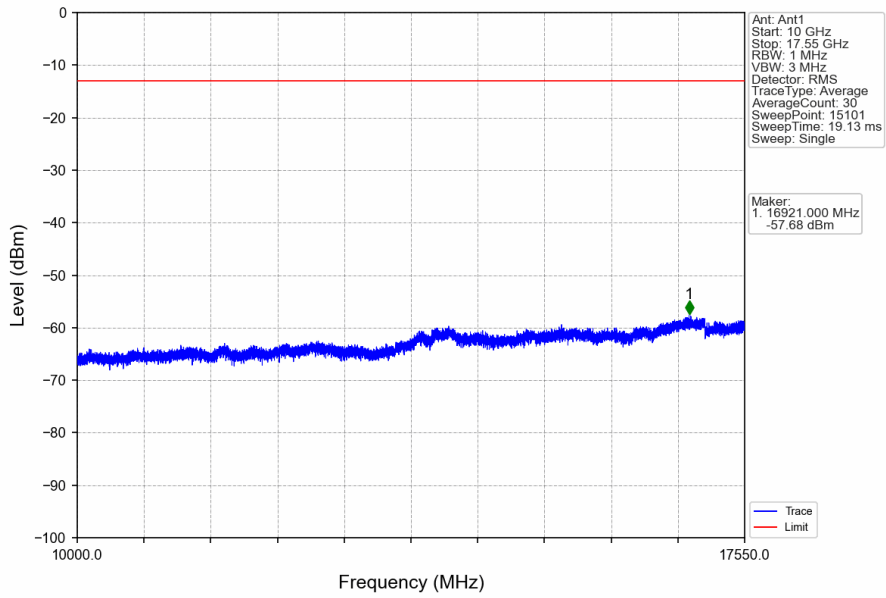
#### 3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1752.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1752.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	

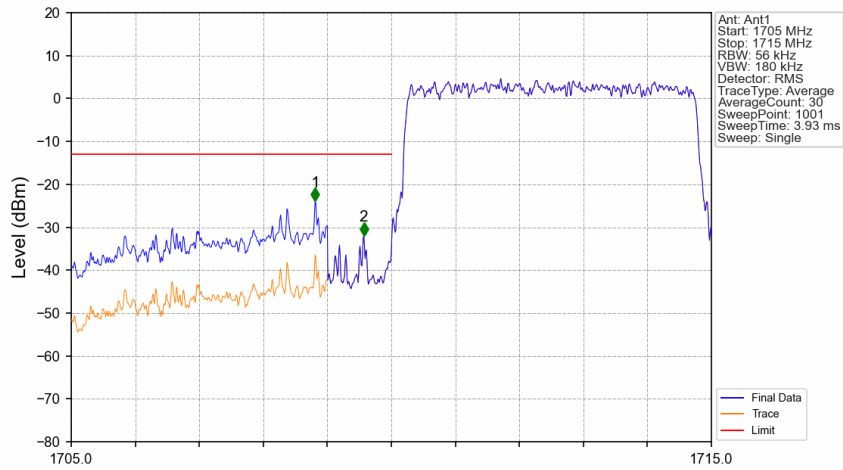
### 3.3.2 Test Graph



Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV

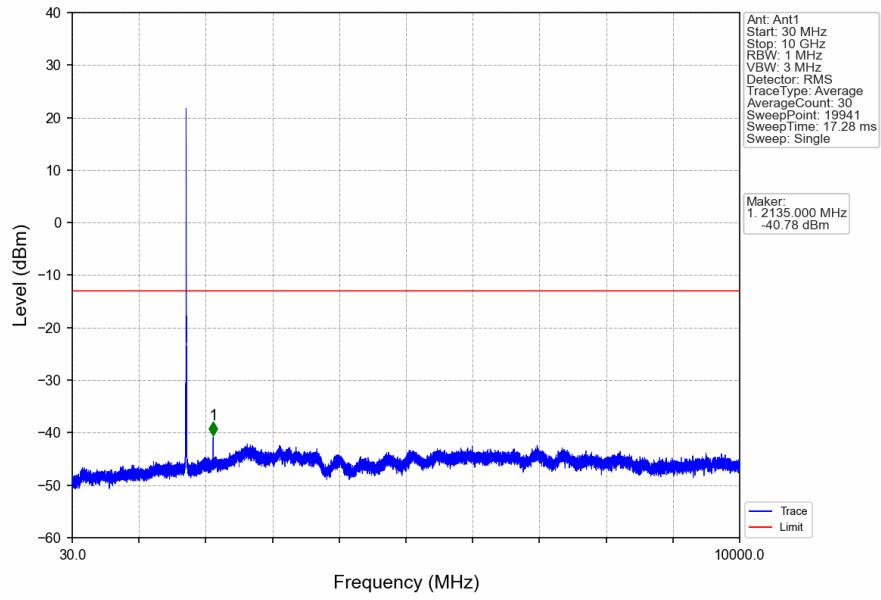


Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

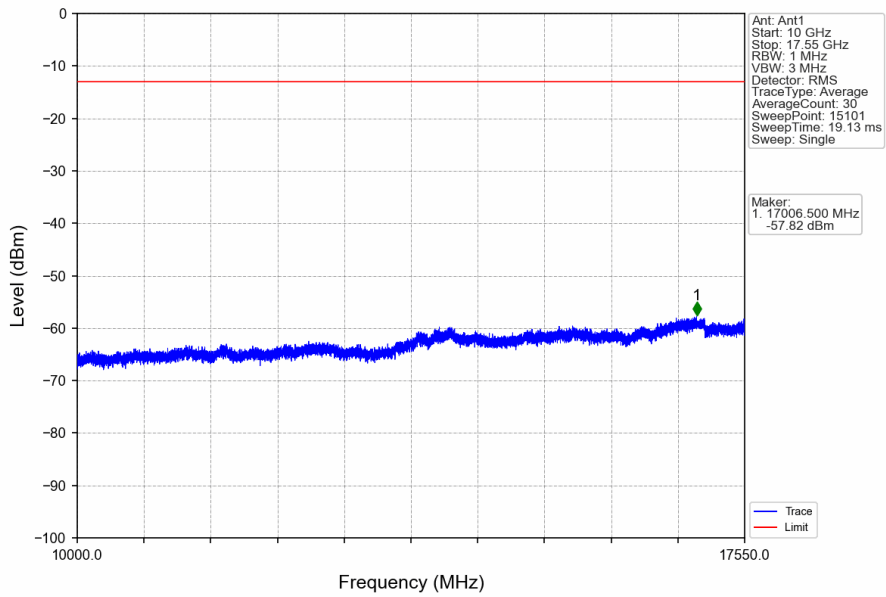


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	12.52	1	1708.810	-23.93	-13	Pass
1709	1710	0.056	0	2	1709.570	-31.95	-13	Pass
1710	1715	0.056	0	/	/	/	/	/

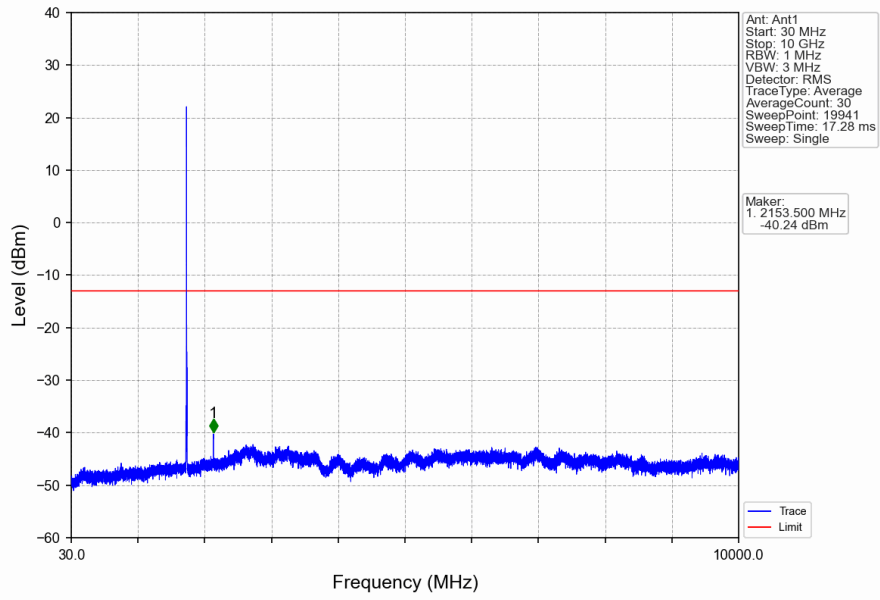
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



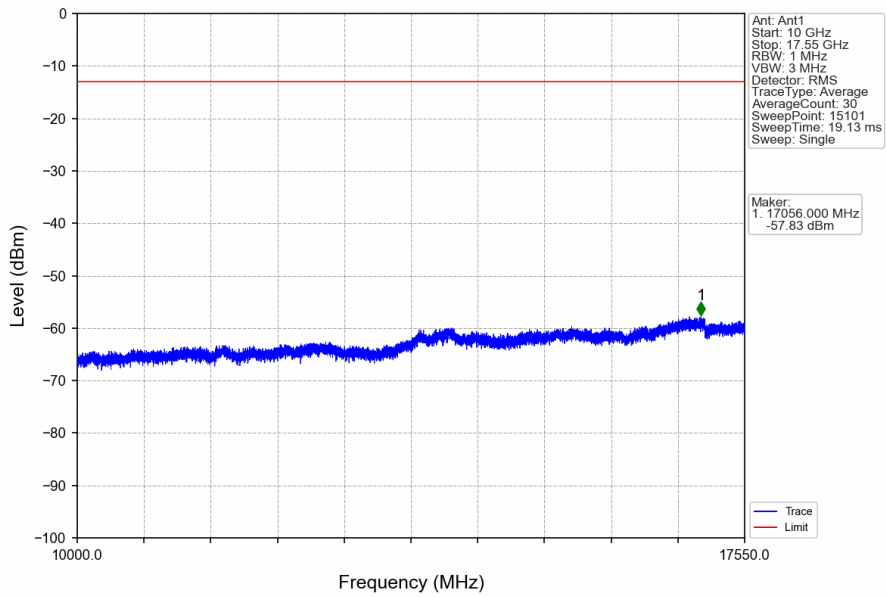
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV

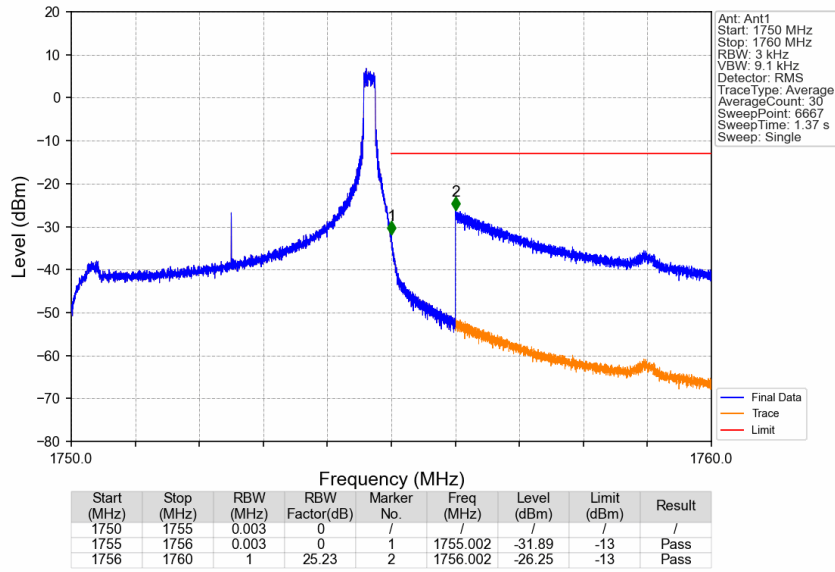


Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV





Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV

