

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B26c\_15MHz\_ERP

### 1.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	821.5	1	0	19.87	0.44	18.16	<=38.45	Pass		
			38	20.08	0.44	18.37	<=38.45	Pass		
			74	19.98	0.44	18.27	<=38.45	Pass		
		36	0	19.04	0.44	17.33	<=38.45	Pass		
			18	19.10	0.44	17.39	<=38.45	Pass		
			39	19.13	0.44	17.42	<=38.45	Pass		
		75	0	19.10	0.44	17.39	<=38.45	Pass		
		831.5	1	0	19.92	0.44	18.21	<=38.45	Pass	
				38	20.15	0.44	18.44	<=38.45	Pass	
	74			20.02	0.44	18.31	<=38.45	Pass		
	36		0	19.11	0.44	17.4	<=38.45	Pass		
			18	19.19	0.44	17.48	<=38.45	Pass		
			39	19.09	0.44	17.38	<=38.45	Pass		
	75		0	19.11	0.44	17.4	<=38.45	Pass		
	841.5		1	0	19.96	0.44	18.25	<=38.45	Pass	
				38	20.25	0.44	18.54	<=38.45	Pass	
		74		19.94	0.44	18.23	<=38.45	Pass		
		36	0	19.29	0.44	17.58	<=38.45	Pass		
			18	19.25	0.44	17.54	<=38.45	Pass		
			39	19.24	0.44	17.53	<=38.45	Pass		
		75	0	19.30	0.44	17.59	<=38.45	Pass		
		16QAM	821.5	1	0	19.02	0.44	17.31	<=38.45	Pass
					38	19.25	0.44	17.54	<=38.45	Pass
	74				19.02	0.44	17.31	<=38.45	Pass	
36	0			18.08	0.44	16.37	<=38.45	Pass		
	18			18.17	0.44	16.46	<=38.45	Pass		
	39			18.13	0.44	16.42	<=38.45	Pass		
75	0			18.08	0.44	16.37	<=38.45	Pass		
831.5	1			0	19.33	0.44	17.62	<=38.45	Pass	
				38	19.63	0.44	17.92	<=38.45	Pass	
			74	19.55	0.44	17.84	<=38.45	Pass		
	36		0	18.13	0.44	16.42	<=38.45	Pass		
			18	18.22	0.44	16.51	<=38.45	Pass		
			39	18.15	0.44	16.44	<=38.45	Pass		
	75		0	18.14	0.44	16.43	<=38.45	Pass		
	841.5		1	0	19.26	0.44	17.55	<=38.45	Pass	
				38	19.40	0.44	17.69	<=38.45	Pass	
74				19.29	0.44	17.58	<=38.45	Pass		
36			0	18.24	0.44	16.53	<=38.45	Pass		
			18	18.22	0.44	16.51	<=38.45	Pass		
			39	18.19	0.44	16.48	<=38.45	Pass		
75			0	18.24	0.44	16.53	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

## 2.1 B26c\_15MHz

### 2.1.1 Test Result

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	821.5	75	0	20	3.27	-5.865	-0.0071	-2.5 to 2.5	Pass
					3.85	-5.765	-0.0070	-2.5 to 2.5	Pass
					4.43	-7.396	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-5.436	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-5.364	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-7.024	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-5.550	-0.0068	-2.5 to 2.5	Pass
	50	3.85	-6.666	-0.0081	-2.5 to 2.5	Pass			
	831.5	75	0	20	3.27	-7.110	-0.0086	-2.5 to 2.5	Pass
					3.85	-5.465	-0.0066	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-5.479	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-6.180	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-5.336	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-3.104	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-8.740	-0.0105	-2.5 to 2.5	Pass
	50	3.85	-5.722	-0.0069	-2.5 to 2.5	Pass			
	841.5	75	0	20	3.27	-8.240	-0.0098	-2.5 to 2.5	Pass
					3.85	-4.950	-0.0059	-2.5 to 2.5	Pass
					4.43	-7.668	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-6.995	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-4.663	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-4.048	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-6.938	-0.0082	-2.5 to 2.5	Pass
30				3.85	-6.852	-0.0081	-2.5 to 2.5	Pass	
40				3.85	-4.120	-0.0049	-2.5 to 2.5	Pass	
50	3.85	-4.592	-0.0055	-2.5 to 2.5	Pass				
16QAM	821.5	75	0	20	3.27	-5.808	-0.0071	-2.5 to 2.5	Pass
					3.85	-7.668	-0.0093	-2.5 to 2.5	Pass
					4.43	-6.809	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-7.610	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-5.808	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-5.136	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-6.595	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-3.676	-0.0045	-2.5 to 2.5	Pass
	50	3.85	-5.035	-0.0061	-2.5 to 2.5	Pass			
	831.5	75	0	20	3.27	-5.150	-0.0062	-2.5 to 2.5	Pass
					3.85	-7.267	-0.0087	-2.5 to 2.5	Pass
					4.43	-4.106	-0.0049	-2.5 to 2.5	Pass
-30				3.85	-8.597	-0.0103	-2.5 to 2.5	Pass	
-20	3.85	-5.479	-0.0066	-2.5 to 2.5	Pass				

				-10	3.85	-7.310	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-9.270	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-4.764	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-8.082	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-8.483	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-10.629	-0.0128	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	-4.935	-0.0059	-2.5 to 2.5	Pass
					3.85	-7.896	-0.0094	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-8.411	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-7.524	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-4.234	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-7.224	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-6.466	-0.0077	-2.5 to 2.5	Pass

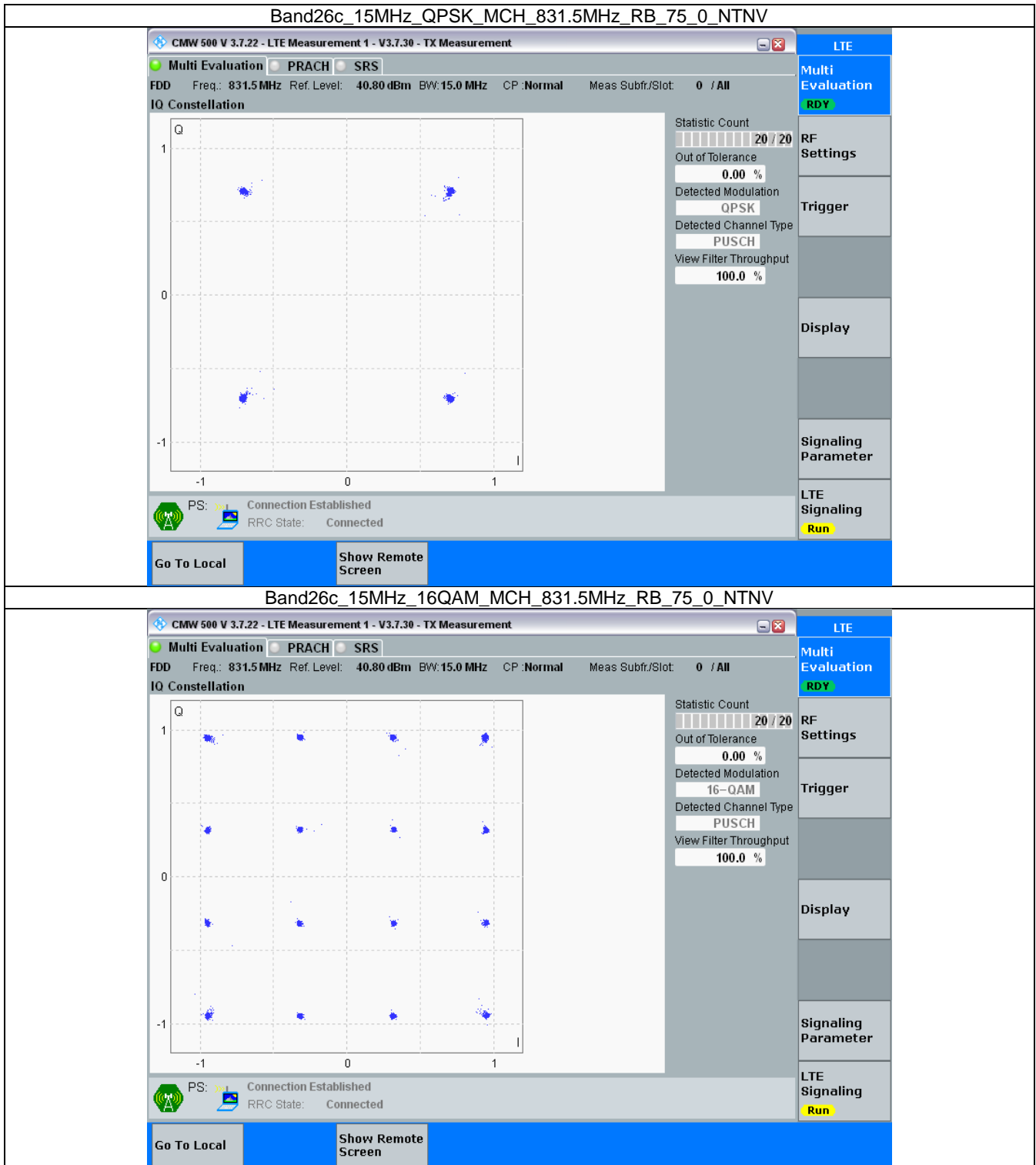
### 3. Modulation Characteristics

#### 3.1 B26c\_15MHz

##### 3.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	831.5	75	0	Refer To Test Graph		Pass
16QAM	831.5	75	0	Refer To Test Graph		Pass

### 3.1.2 Test Graph



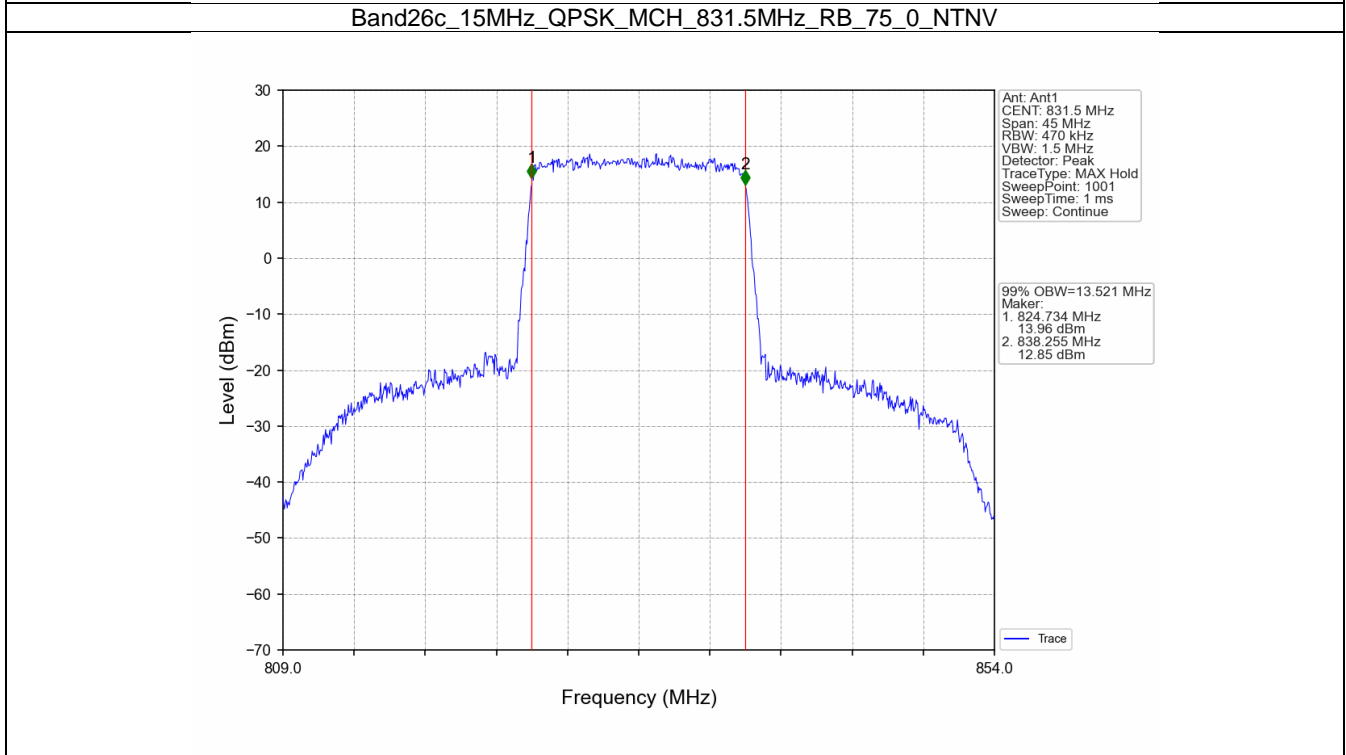
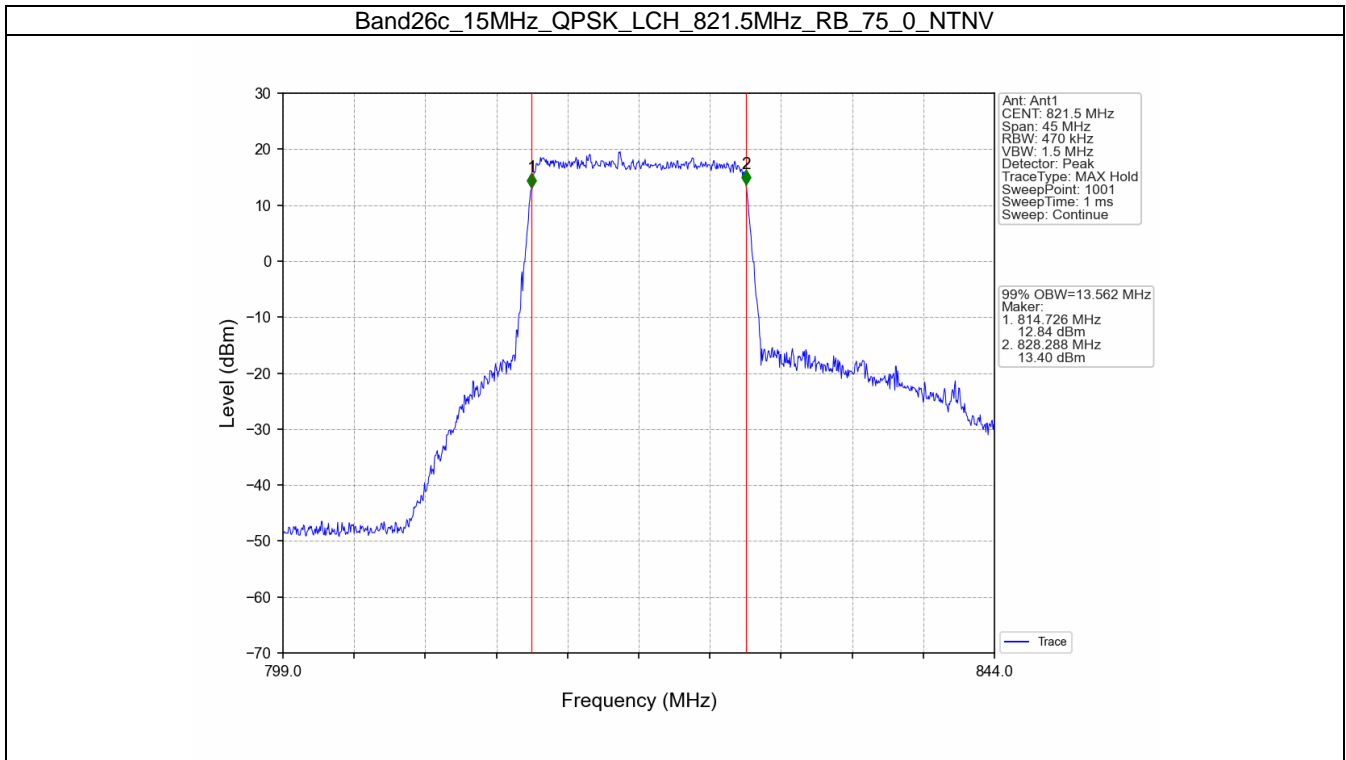
## 4. 99% & 26dB Bandwidth

### 4.1 Band26c\_OBW

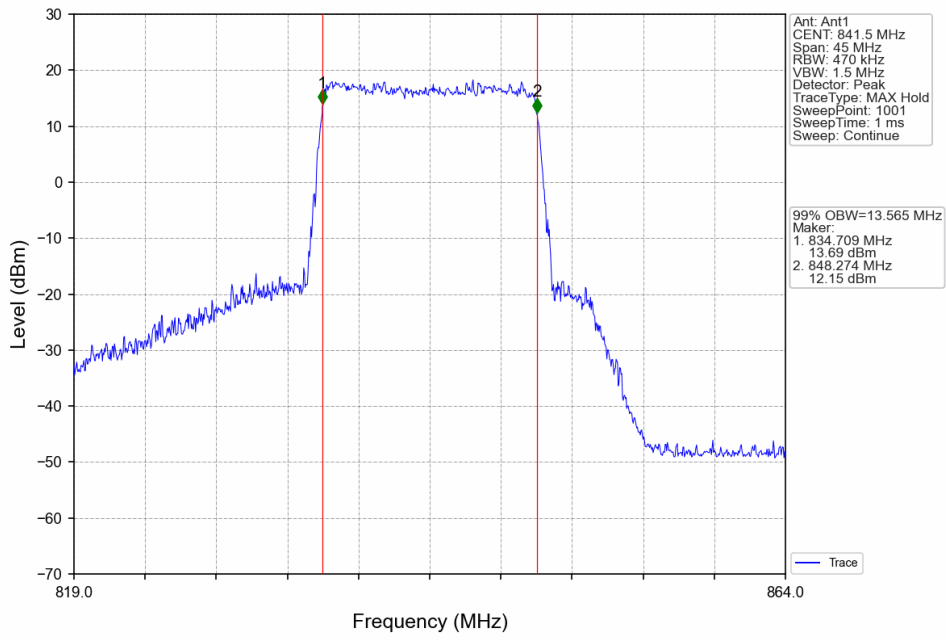
#### 4.1.1 Test Result

Band: 26c / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
15	QPSK	821.5	75	0	13.562	Pass
		831.5	75	0	13.521	Pass
		841.5	75	0	13.565	Pass
	16QAM	821.5	75	0	13.597	Pass
		831.5	75	0	13.529	Pass
		841.5	75	0	13.634	Pass

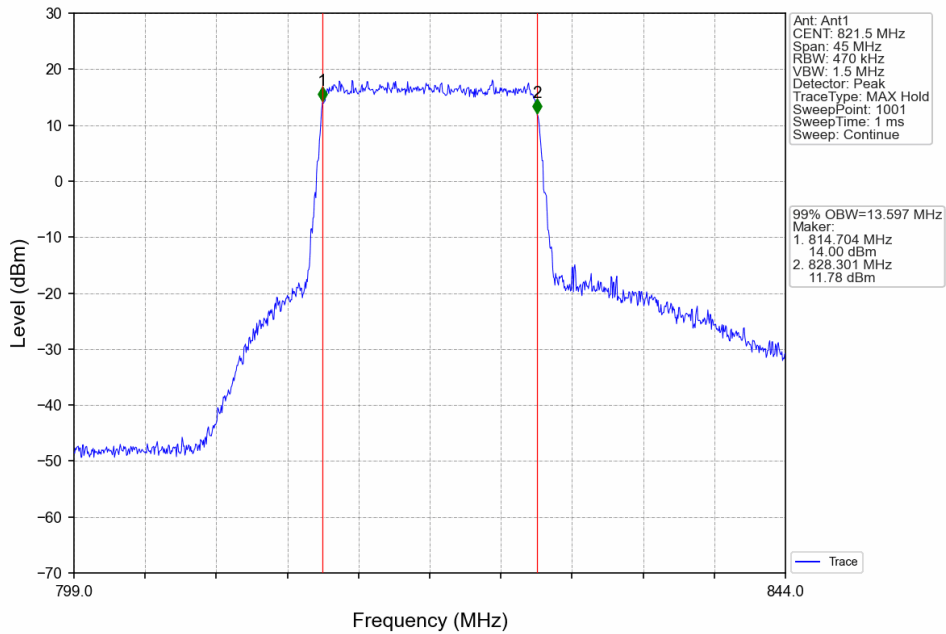
### 4.1.2 Test Graph



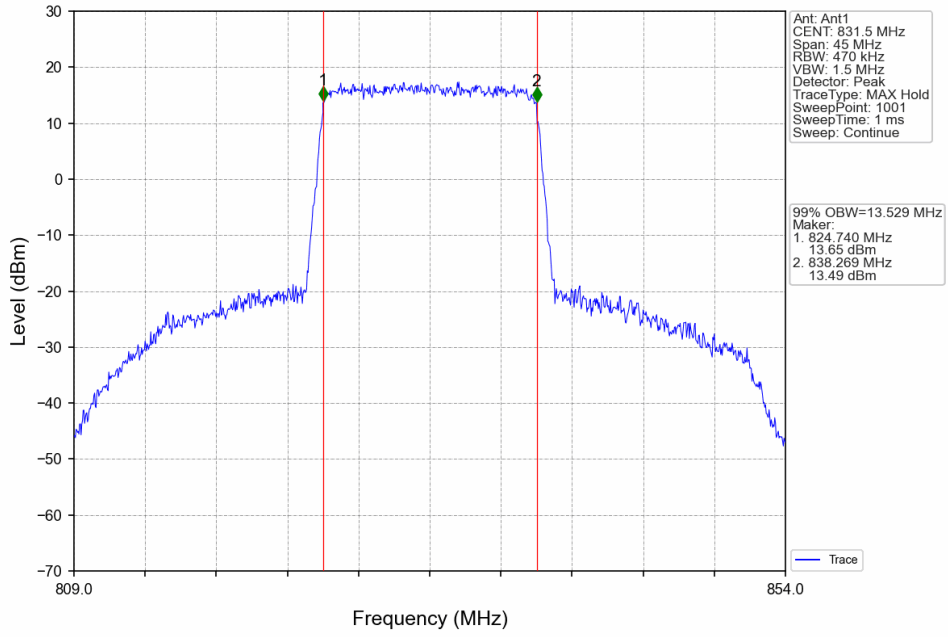
Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



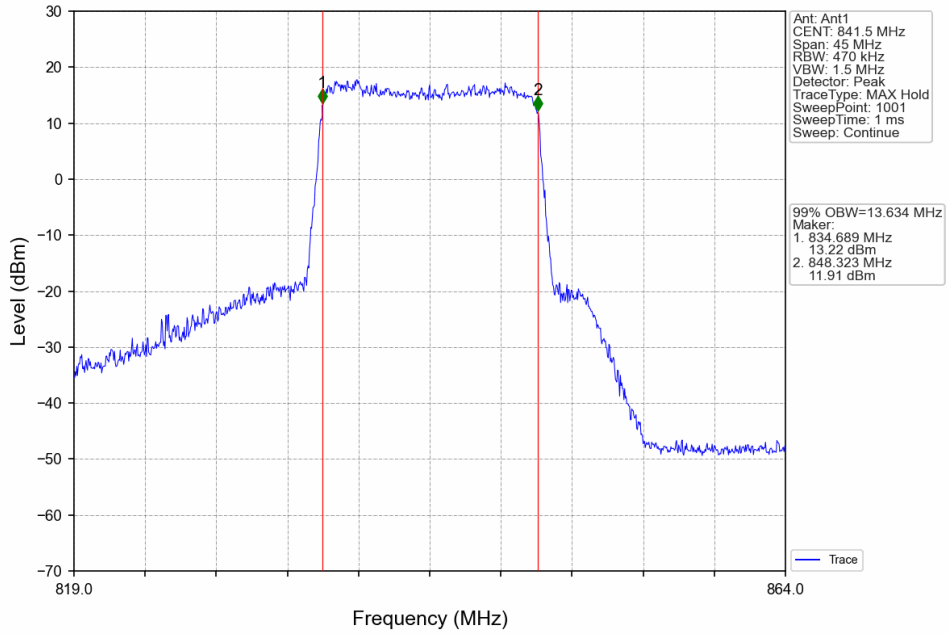
Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV



Band26c\_15MHz\_16QAM\_MCH\_831.5MHz\_RB\_75\_0\_NTNV



Band26c\_15MHz\_16QAM\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



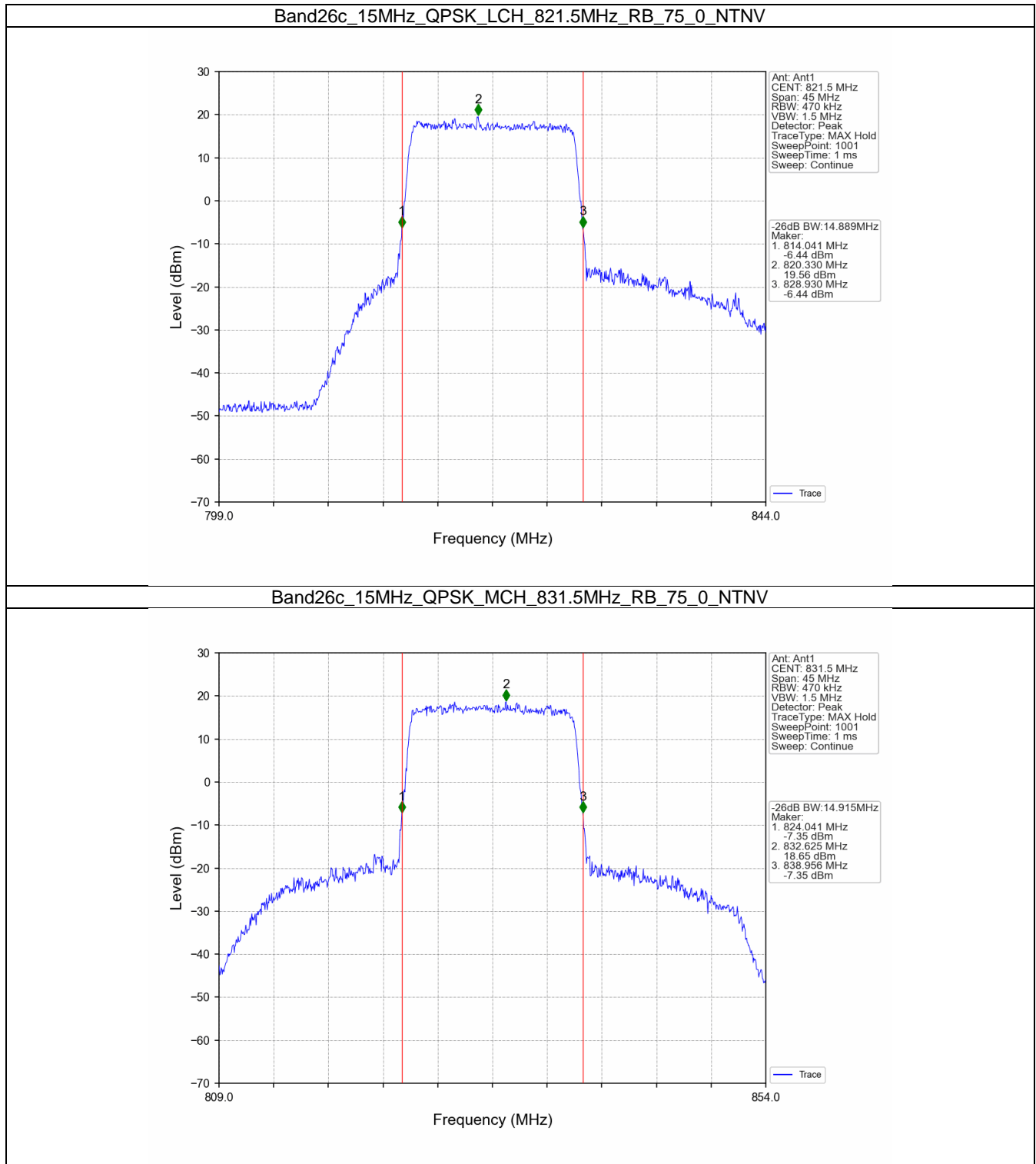


## 4.2 Band26c\_XDB

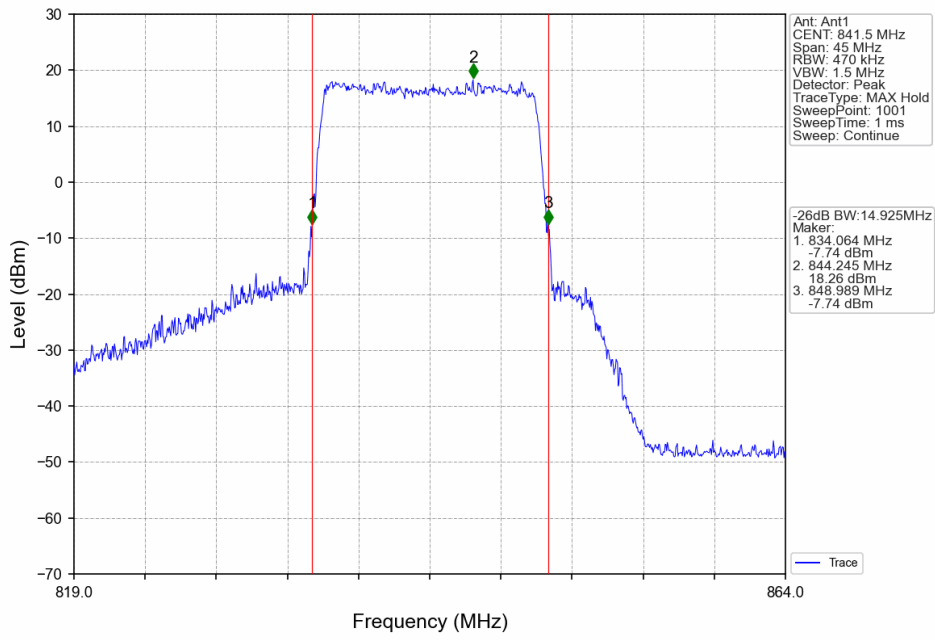
### 4.2.1 Test Result

Band: 26c / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
15	QPSK	821.5	75	0	14.889	Pass
		831.5	75	0	14.915	Pass
		841.5	75	0	14.925	Pass
	16QAM	821.5	75	0	14.867	Pass
		831.5	75	0	14.917	Pass
		841.5	75	0	14.862	Pass

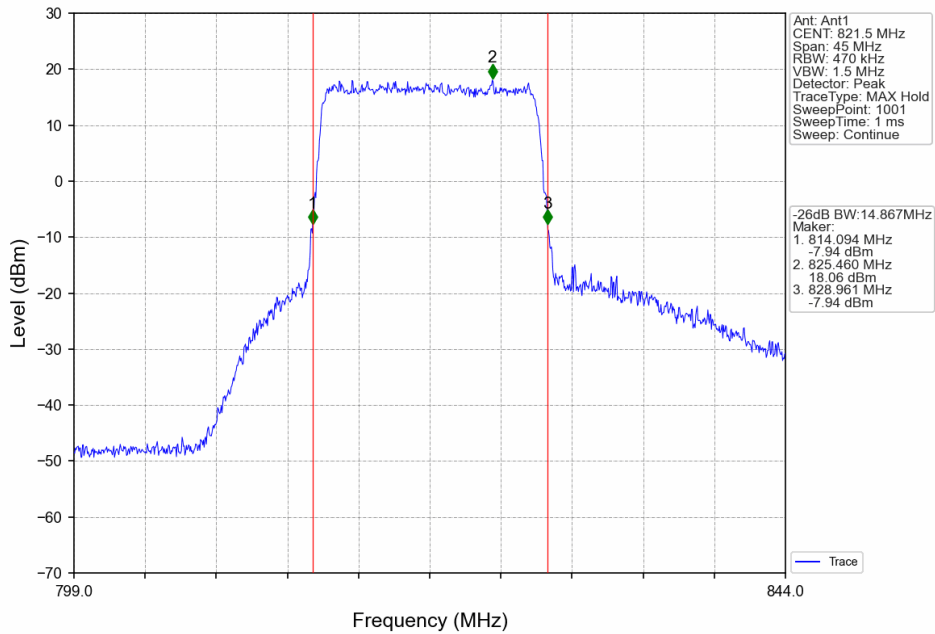
## 4.2.2 Test Graph



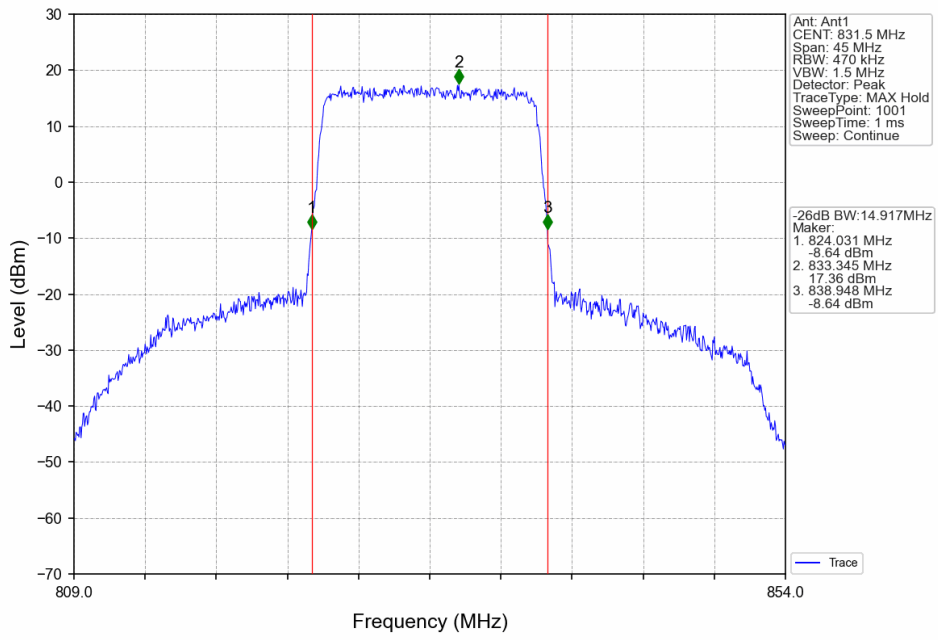
Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



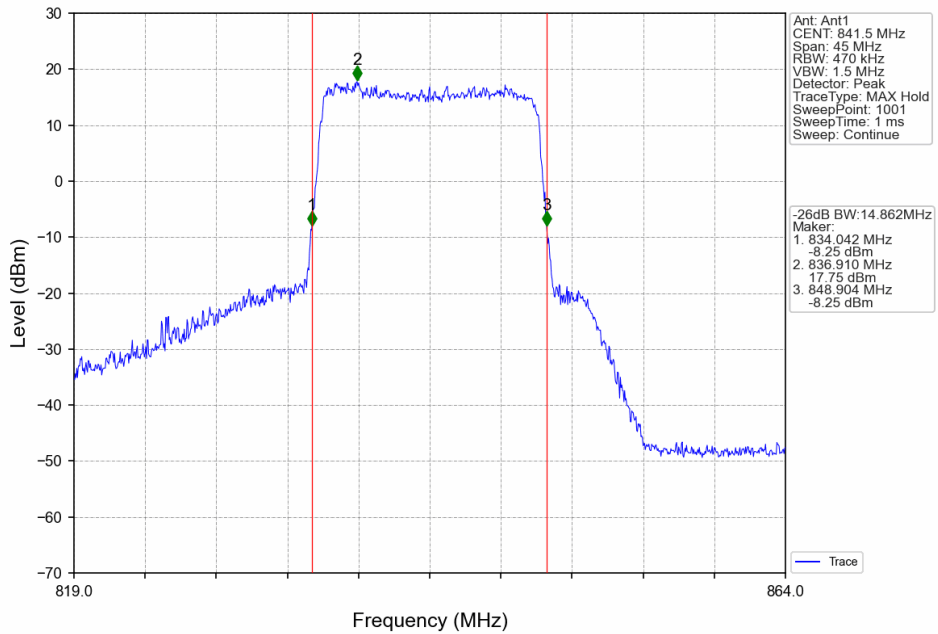
Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV



Band26c\_15MHz\_16QAM\_MCH\_831.5MHz\_RB\_75\_0\_NTNV



Band26c\_15MHz\_16QAM\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



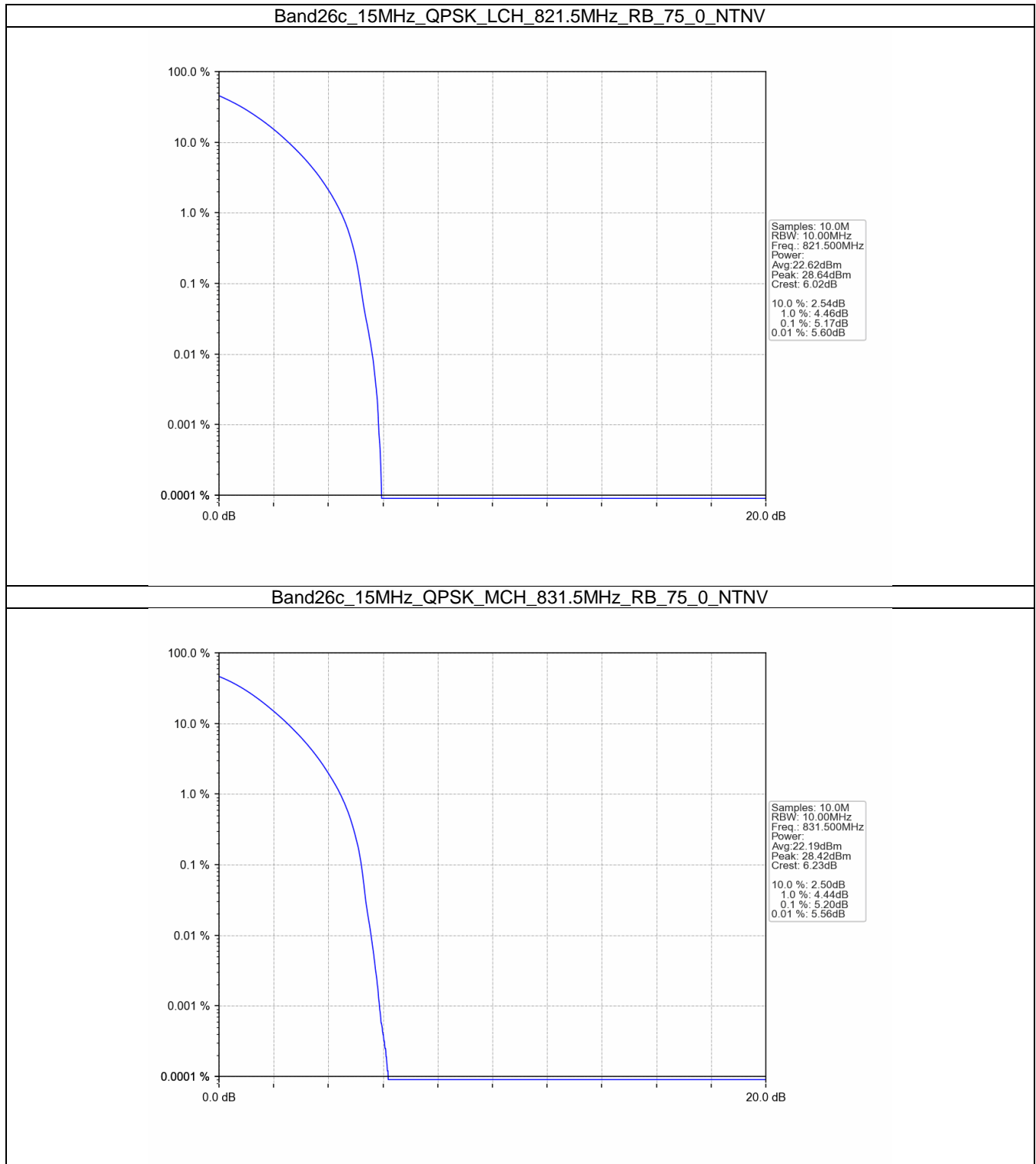
## 5. Peak-Average Ratio

### 5.1 B26c\_15MHz

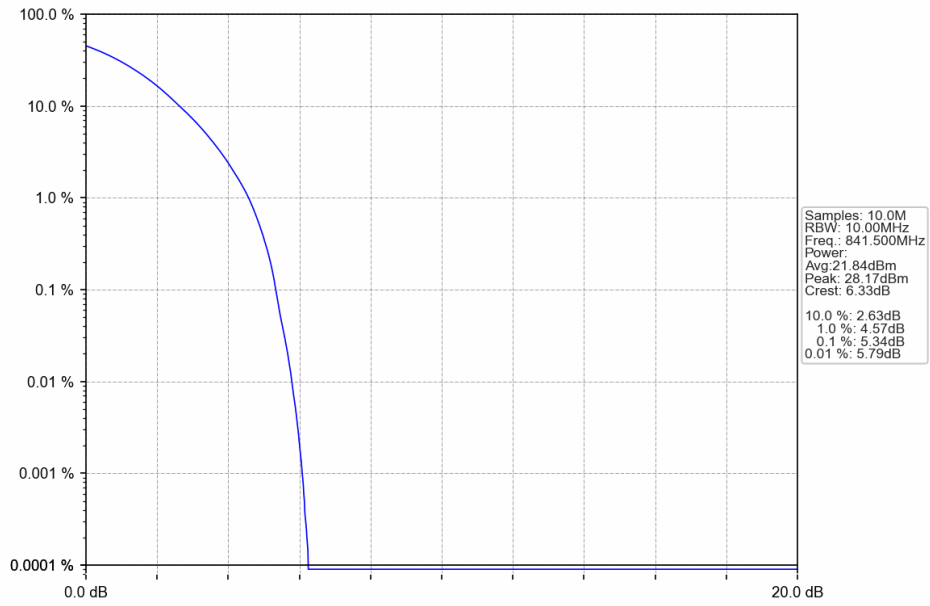
#### 5.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	75	0	5.17	<=13	Pass
	831.5	75	0	5.20	<=13	Pass
	841.5	75	0	5.34	<=13	Pass
16QAM	821.5	75	0	6.00	<=13	Pass
	831.5	75	0	5.98	<=13	Pass
	841.5	75	0	6.12	<=13	Pass

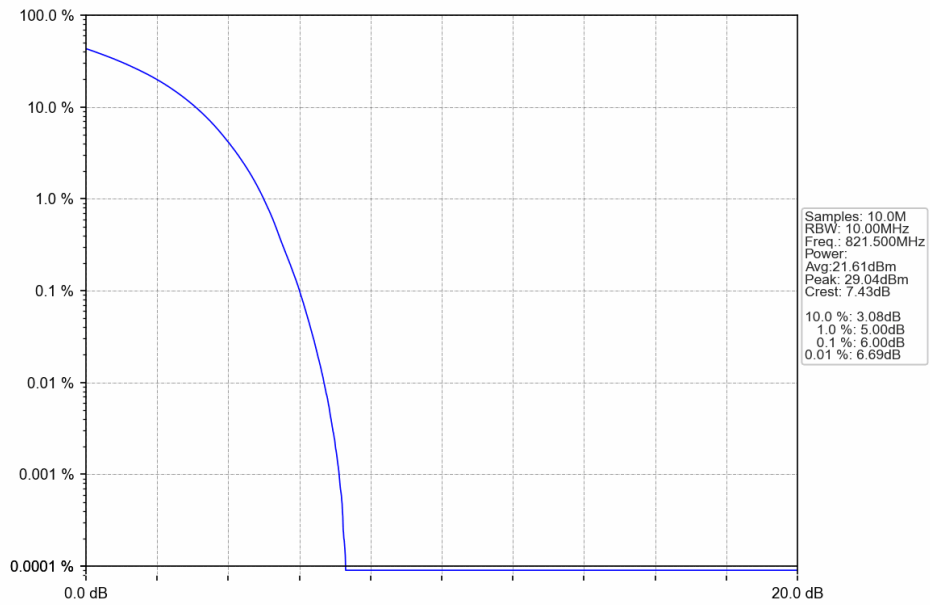
### 5.1.2 Test Graph



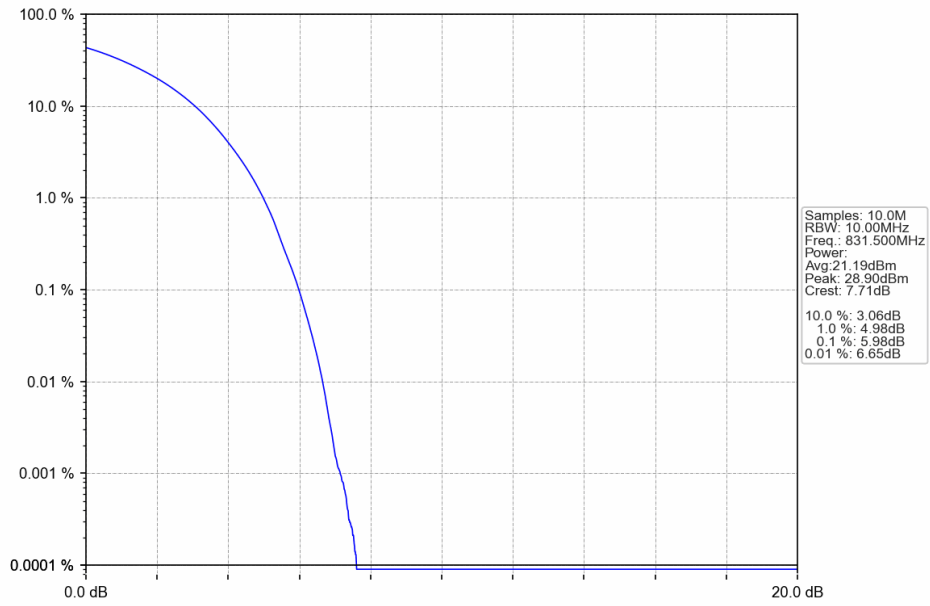
Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



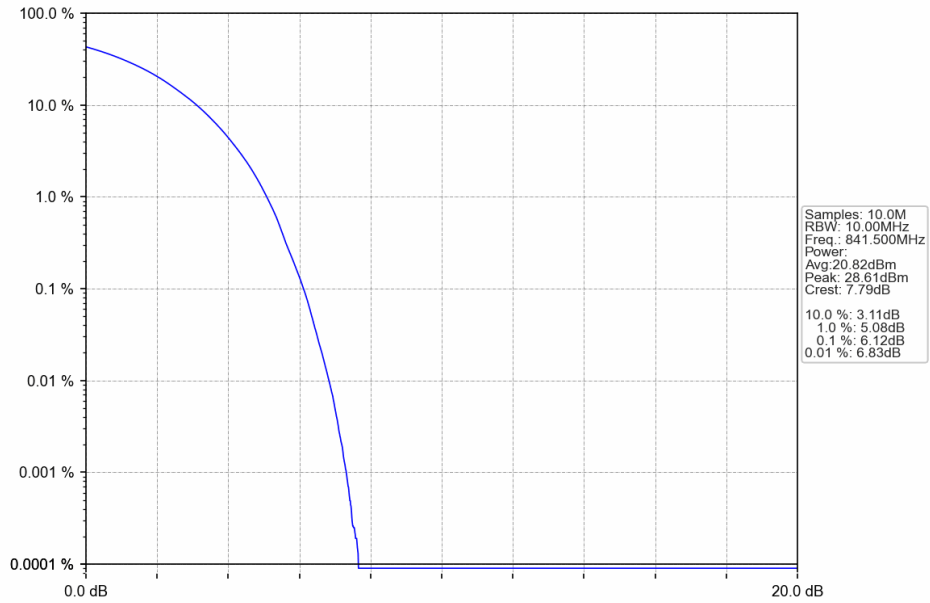
Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV



Band26c\_15MHz\_16QAM\_MCH\_831.5MHz\_RB\_75\_0\_NTNV



Band26c\_15MHz\_16QAM\_HCH\_841.5MHz\_RB\_75\_0\_NTNV





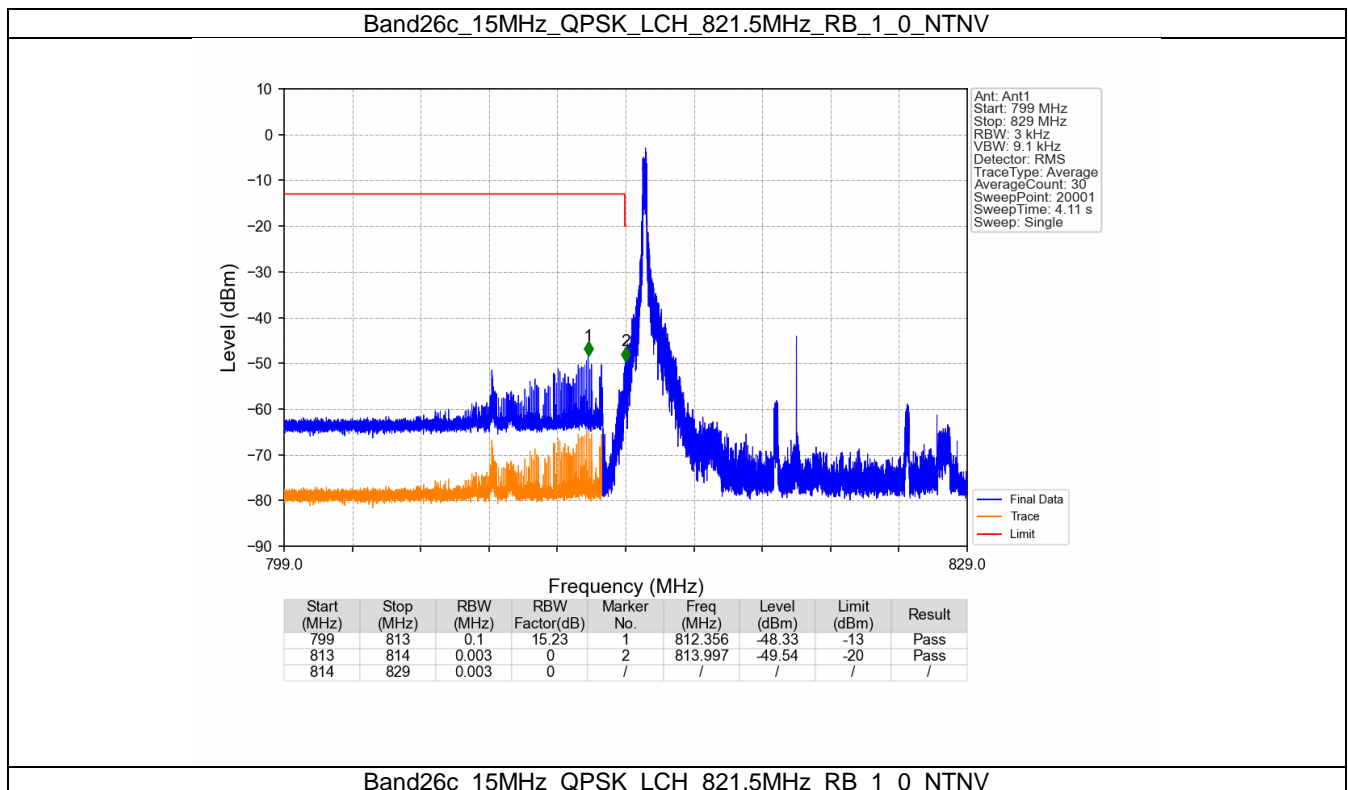
## 6. Spurious Emission

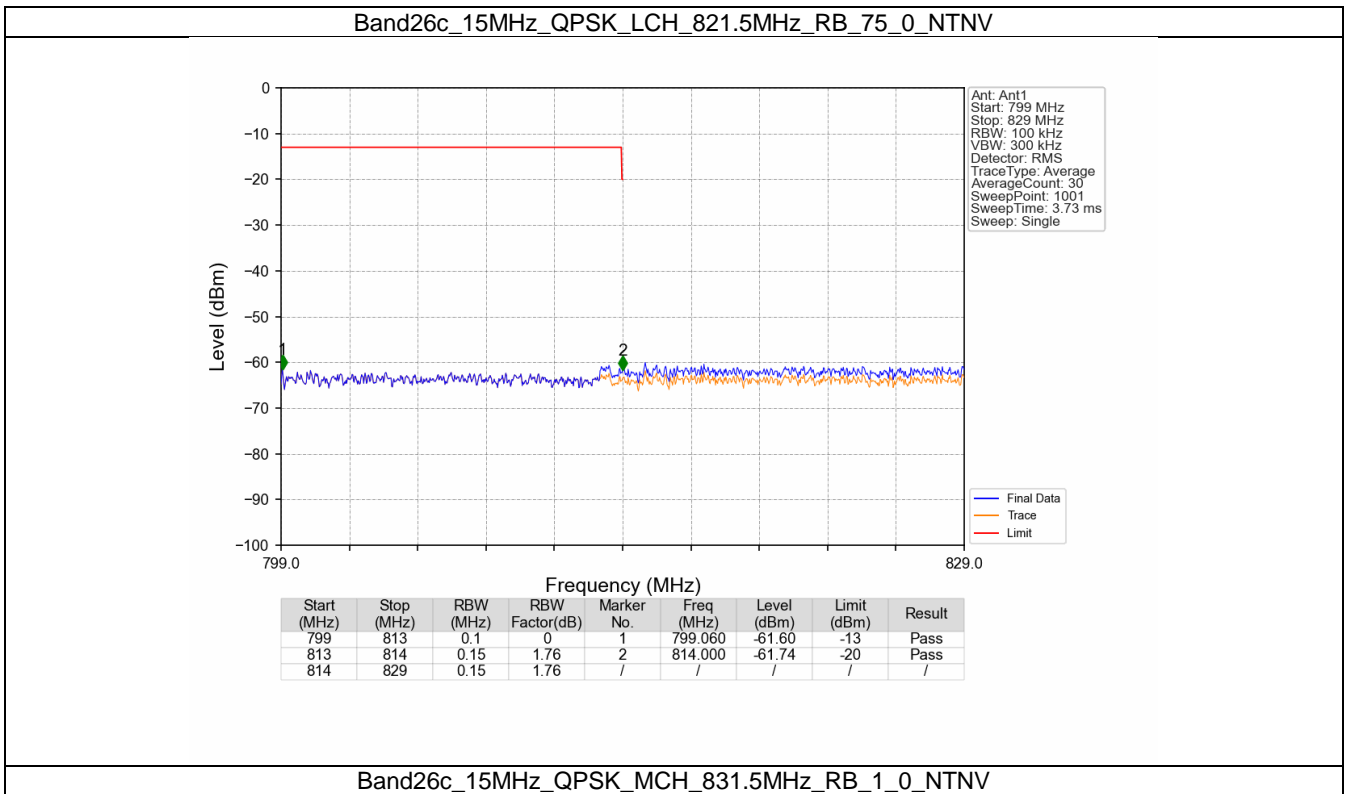
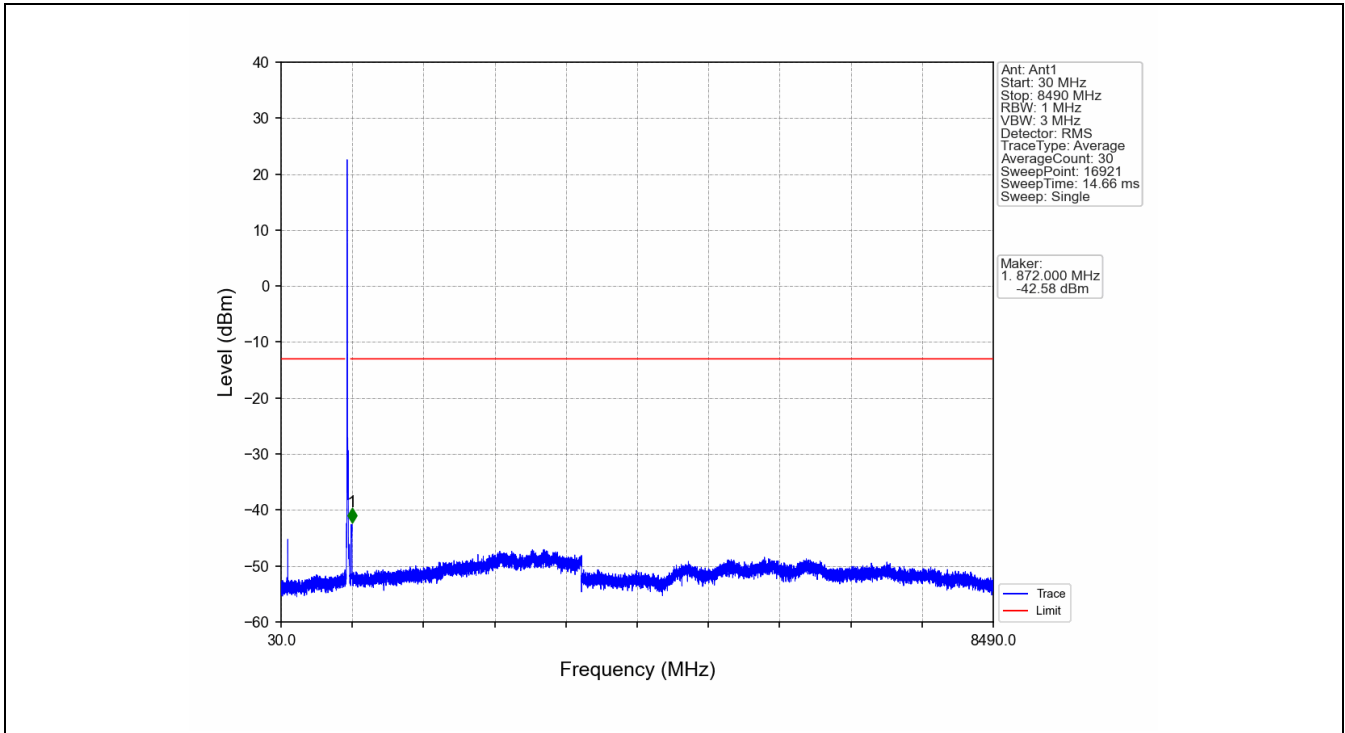
### 6.1 B26c\_15MHz

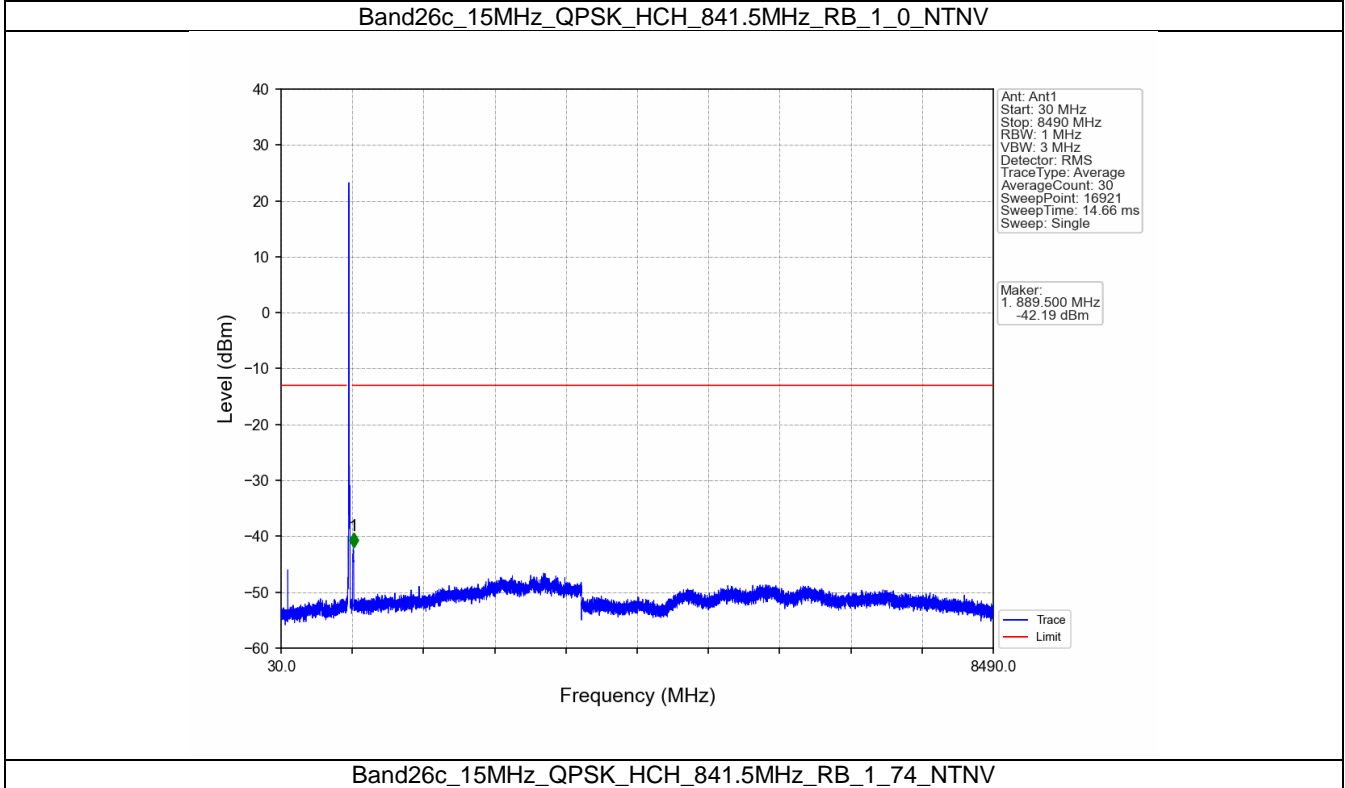
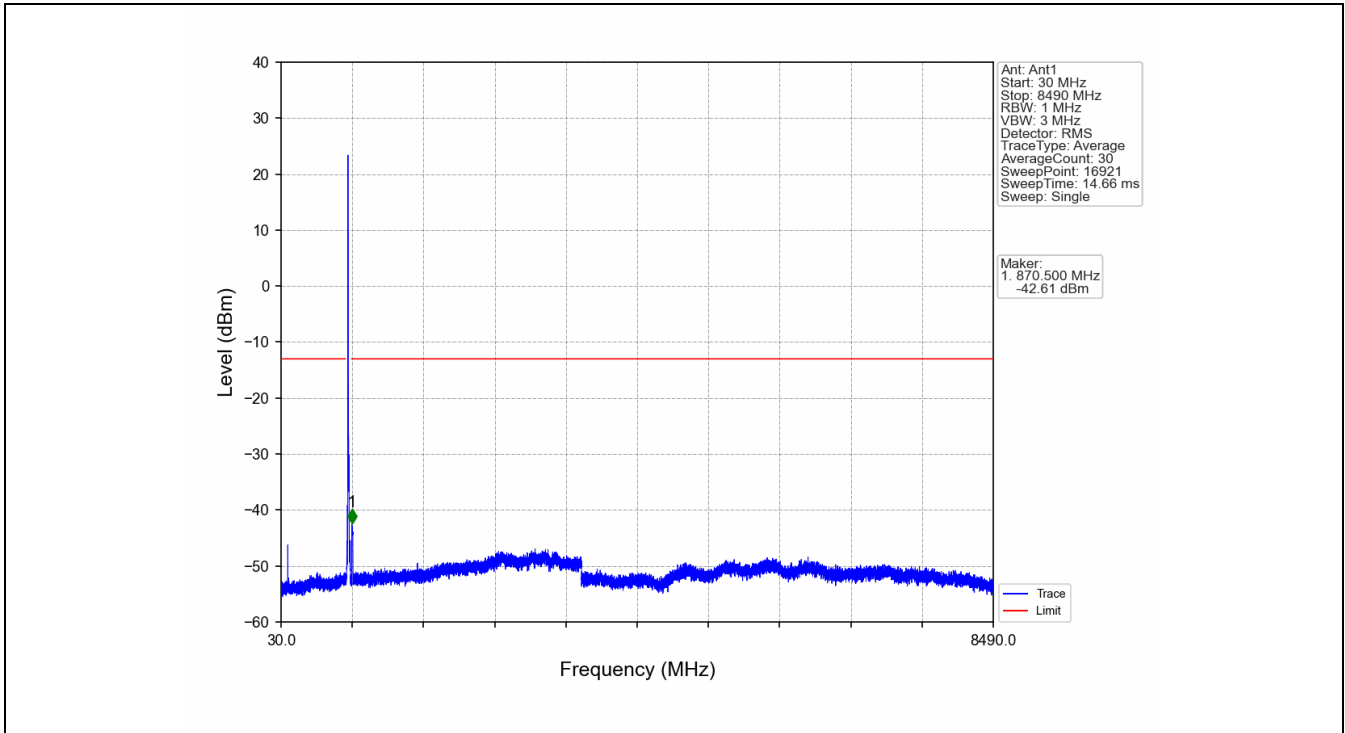
#### 6.1.1 Test Result

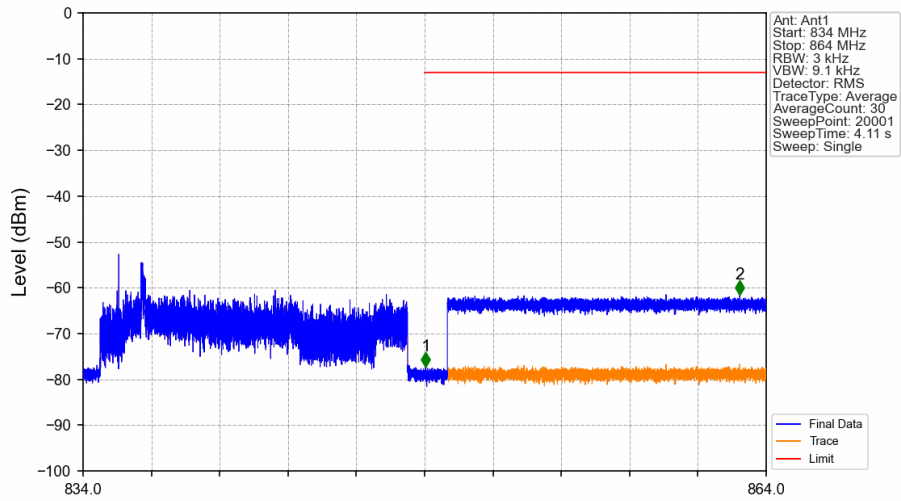
Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	831.5	1	0	Refer To Test Graph		Pass
		841.5	1	0	Refer To Test Graph	
			75	0	Refer To Test Graph	
	16QAM	821.5	1	0	Refer To Test Graph	
75			0	Refer To Test Graph		Pass
831.5		1	0	Refer To Test Graph		Pass
		841.5	1	0	Refer To Test Graph	
			75	0	Refer To Test Graph	

#### 6.1.2 Test Graph



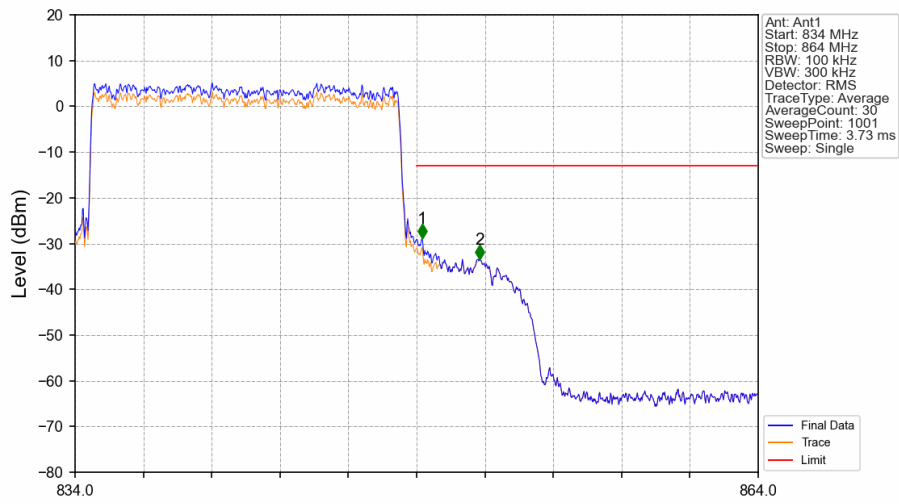






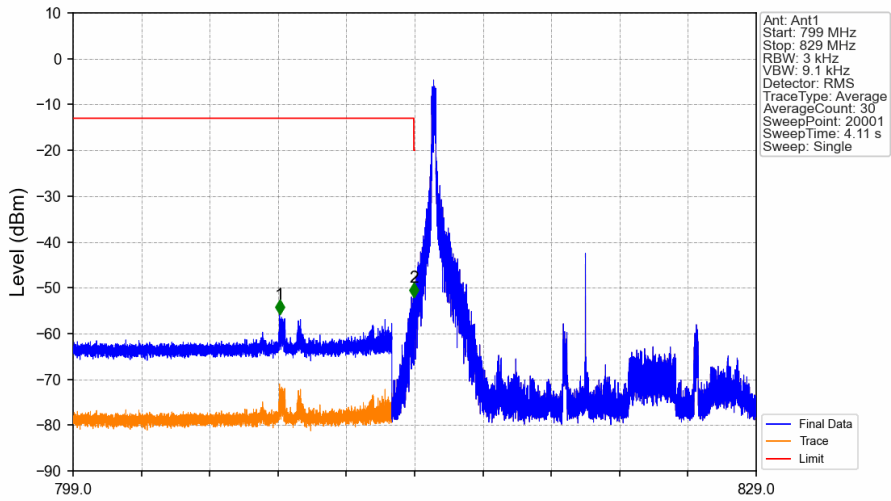
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	0	/	/	/	/	/
849	850	0.003	0	1	849.048	-77.15	-13	Pass
850	864	0.1	15.23	2	862.837	-61.47	-13	Pass

Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



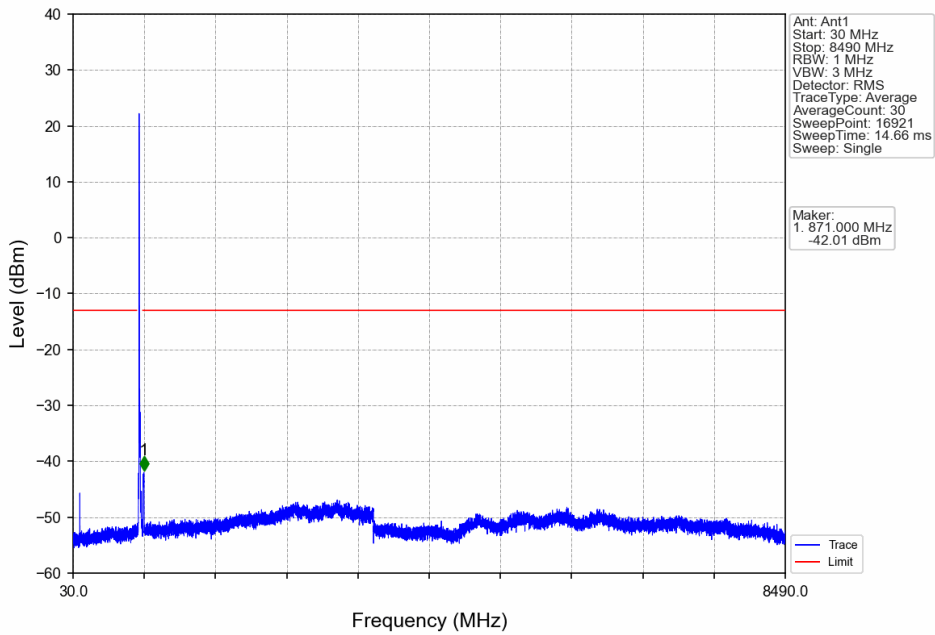
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.156	1.93	/	/	/	/	/
849	850	0.156	1.93	1	849.240	-28.88	-13	Pass
850	864	0.1	0	2	851.760	-33.43	-13	Pass

Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_1\_0\_NTNV

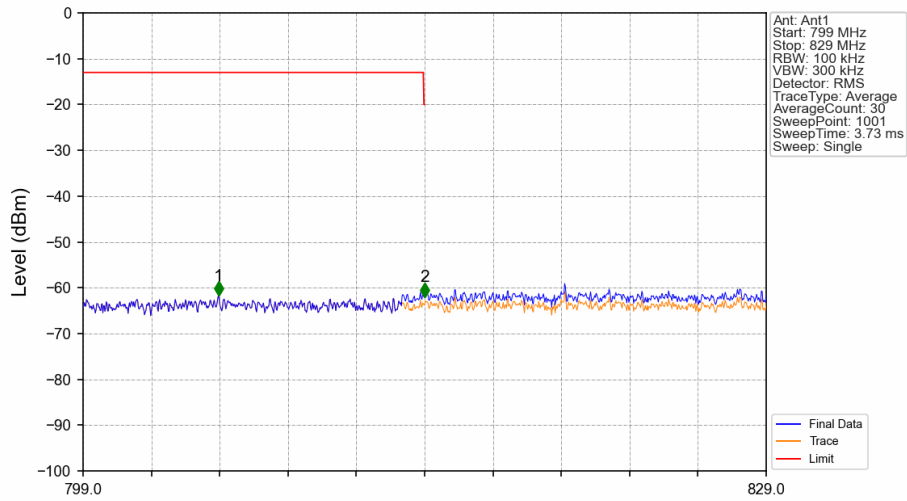


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	15.23	1	808.067	-55.76	-13	Pass
813	814	0.003	0	2	813.970	-52.13	-20	Pass
814	829	0.003	0	/	/	/	/	/

Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_1\_0\_NTNV

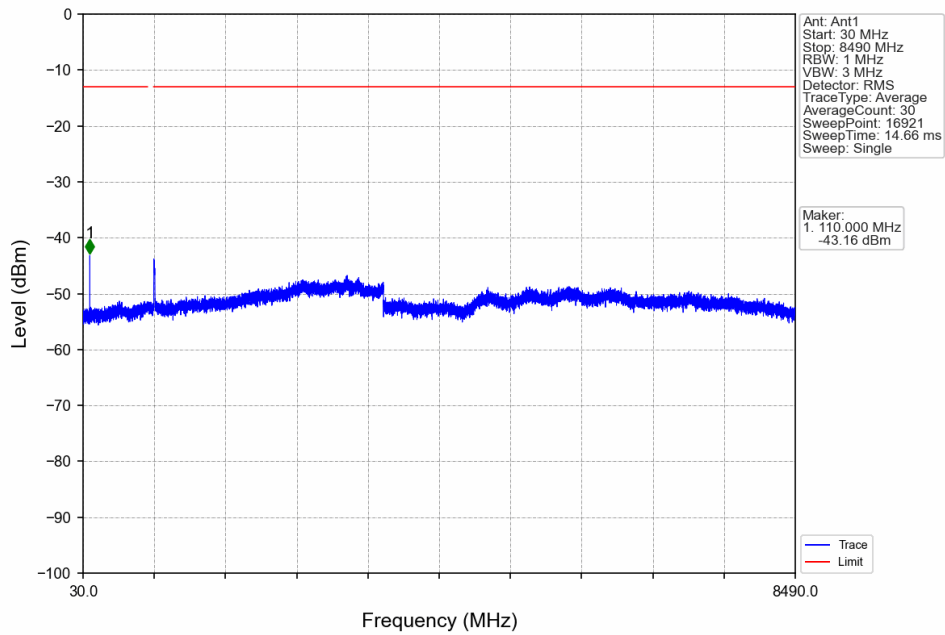


Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV

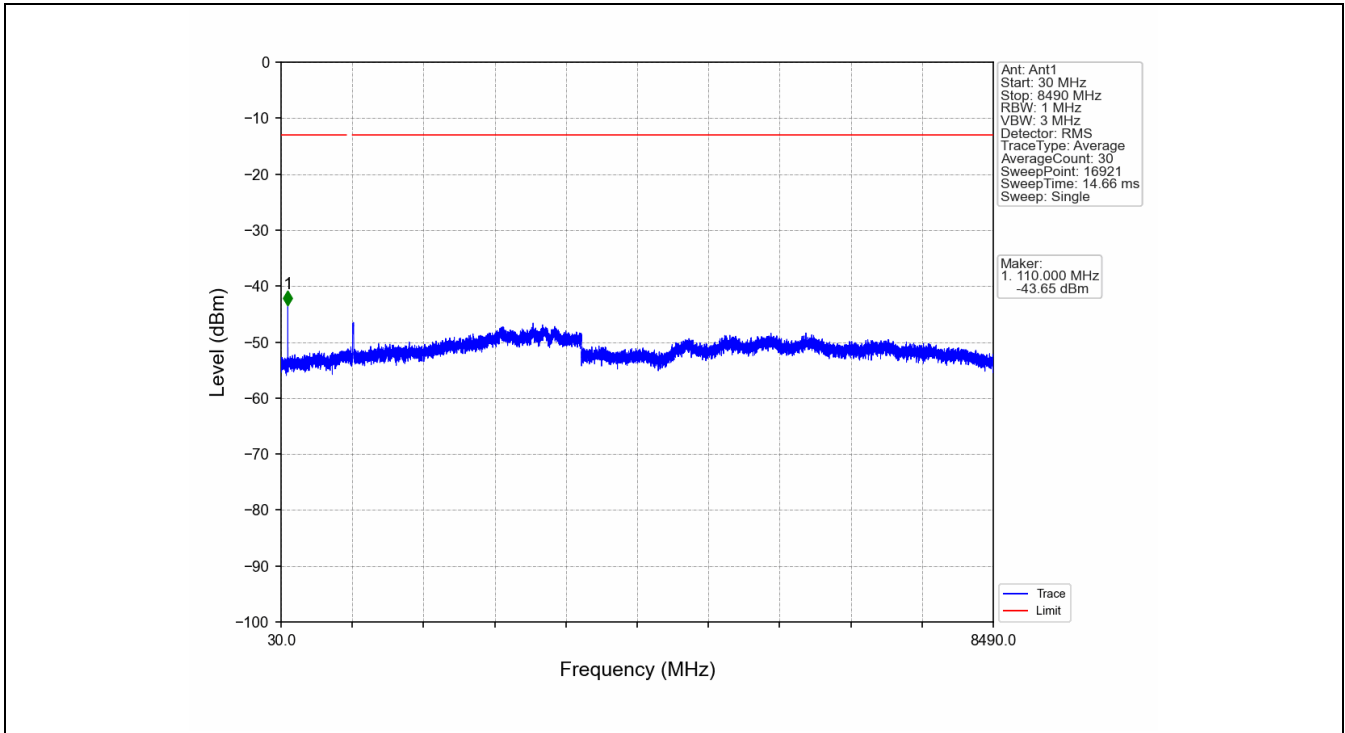


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	0	1	804.940	-61.75	-13	Pass
813	814	0.15	1.76	2	814.000	-62.01	-20	Pass
814	829	0.15	1.76	/	/	/	/	/

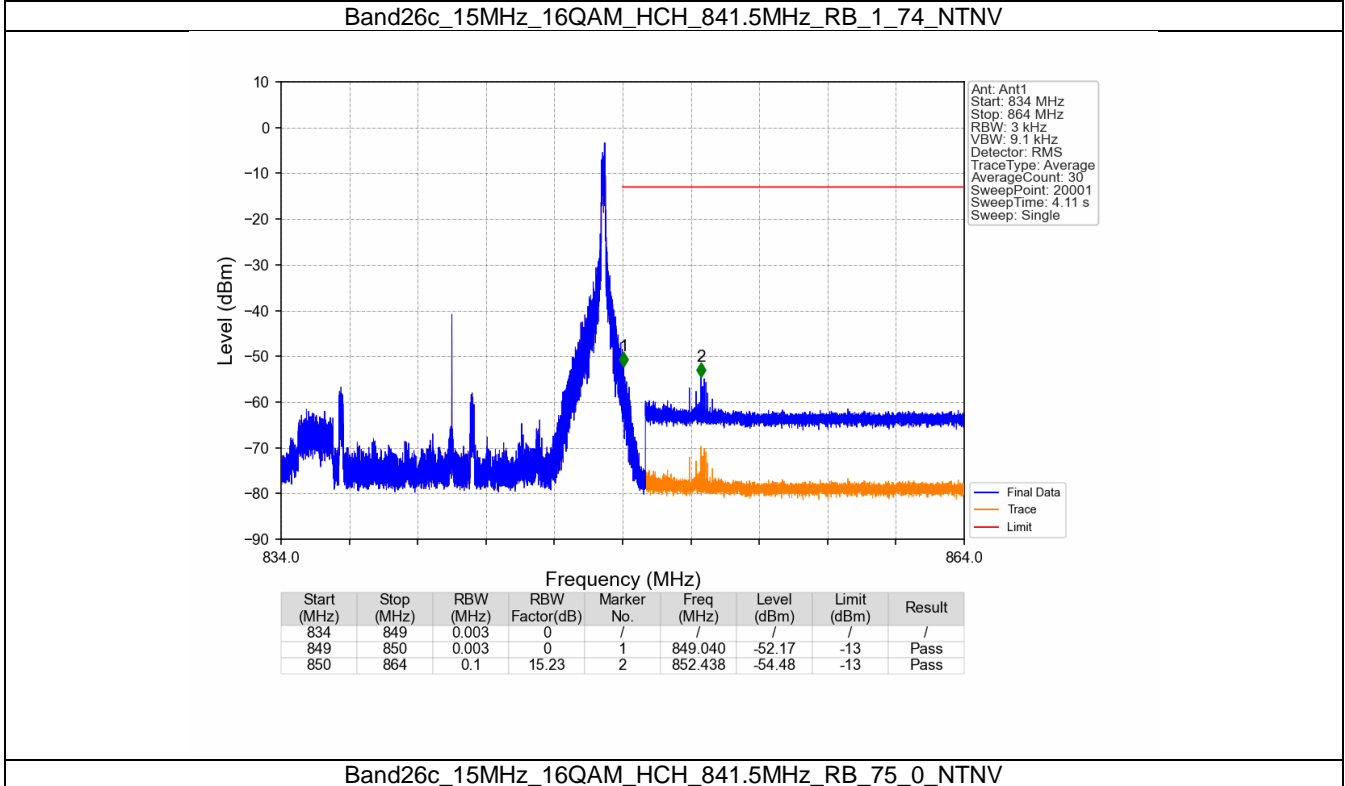
Band26c\_15MHz\_16QAM\_MCH\_831.5MHz\_RB\_1\_0\_NTNV



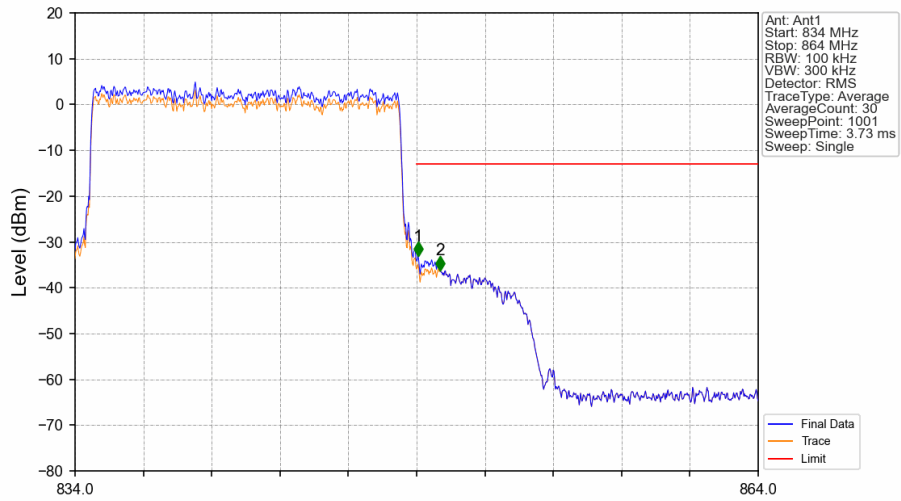
Band26c\_15MHz\_16QAM\_HCH\_841.5MHz\_RB\_1\_0\_NTNV



Band26c\_15MHz\_16QAM\_HCH\_841.5MHz\_RB\_1\_74\_NTNV



Band26c\_15MHz\_16QAM\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.15	1.76	/	/	/	/	/
849	850	0.15	1.76	1	849.060	-33.09	-13	Pass
850	864	0.1	0	2	850.020	-36.17	-13	Pass



## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
26c	15	821.5	841.5	0.1059	0.0105	ppm	13M6G7D	/	20.25
26c	15	821.5	841.5	0.0918	0.0128	ppm	13M6W7D	/	19.63

### 7.2 Form731\_ERP

#### 7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
26c	15	821.5	841.5	0.0714	0.0105	ppm	13M6G7D	/	18.54
26c	15	821.5	841.5	0.0619	0.0128	ppm	13M6W7D	/	17.92