

# 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	22.06	0.62	20.53	<=38.45	Pass		
			38	22.20	0.62	20.67	<=38.45	Pass		
			74	22.17	0.62	20.64	<=38.45	Pass		
		36	0	21.15	0.62	19.62	<=38.45	Pass		
			18	21.24	0.62	19.71	<=38.45	Pass		
			39	21.33	0.62	19.80	<=38.45	Pass		
		75	0	21.24	0.62	19.71	<=38.45	Pass		
		831.5	1	0	22.15	0.62	20.62	<=38.45	Pass	
				38	22.25	0.62	20.72	<=38.45	Pass	
	74			22.12	0.62	20.59	<=38.45	Pass		
	36		0	21.28	0.62	19.75	<=38.45	Pass		
			18	21.33	0.62	19.80	<=38.45	Pass		
			39	21.29	0.62	19.76	<=38.45	Pass		
	75		0	21.28	0.62	19.75	<=38.45	Pass		
	841.5		1	0	22.20	0.62	20.67	<=38.45	Pass	
				38	22.21	0.62	20.68	<=38.45	Pass	
		74		22.10	0.62	20.57	<=38.45	Pass		
		36	0	21.28	0.62	19.75	<=38.45	Pass		
			18	21.30	0.62	19.77	<=38.45	Pass		
			39	21.25	0.62	19.72	<=38.45	Pass		
		75	0	21.23	0.62	19.70	<=38.45	Pass		
		16QAM	821.5	1	0	21.65	0.62	20.12	<=38.45	Pass
					38	21.77	0.62	20.24	<=38.45	Pass
	74				21.78	0.62	20.25	<=38.45	Pass	
36	0			20.20	0.62	18.67	<=38.45	Pass		
	18			20.25	0.62	18.72	<=38.45	Pass		
	39			20.36	0.62	18.83	<=38.45	Pass		
75	0			20.24	0.62	18.71	<=38.45	Pass		
831.5	1			0	21.55	0.62	20.02	<=38.45	Pass	
				38	21.65	0.62	20.12	<=38.45	Pass	
			74	21.59	0.62	20.06	<=38.45	Pass		
	36		0	20.23	0.62	18.70	<=38.45	Pass		
			18	20.29	0.62	18.76	<=38.45	Pass		
			39	20.24	0.62	18.71	<=38.45	Pass		
	75		0	20.26	0.62	18.73	<=38.45	Pass		
	841.5		1	0	21.22	0.62	19.69	<=38.45	Pass	
				38	21.31	0.62	19.78	<=38.45	Pass	
74				21.21	0.62	19.68	<=38.45	Pass		
36			0	20.25	0.62	18.72	<=38.45	Pass		
			18	20.29	0.62	18.76	<=38.45	Pass		
			39	20.24	0.62	18.71	<=38.45	Pass		
75			0	20.24	0.62	18.71	<=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	3.23	-1.402	-0.0017	-2.5 to 2.5	Pass
					3.8	-3.519	-0.0043	-2.5 to 2.5	Pass
					4.37	-1.044	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	-2.718	-0.0033	-2.5 to 2.5	Pass
				-20	3.8	-0.830	-0.0010	-2.5 to 2.5	Pass
				-10	3.8	-2.260	-0.0028	-2.5 to 2.5	Pass
				0	3.8	-2.775	-0.0034	-2.5 to 2.5	Pass
				10	3.8	-2.618	-0.0032	-2.5 to 2.5	Pass
				30	3.8	-2.232	-0.0027	-2.5 to 2.5	Pass
				40	3.8	-3.090	-0.0038	-2.5 to 2.5	Pass
	50	3.8	-1.416	-0.0017	-2.5 to 2.5	Pass			
	831.5	75	0	20	3.23	-0.701	-0.0008	-2.5 to 2.5	Pass
					3.8	-0.143	-0.0002	-2.5 to 2.5	Pass
					4.37	0.315	0.0004	-2.5 to 2.5	Pass
				-30	3.8	-1.602	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	-0.844	-0.0010	-2.5 to 2.5	Pass
				-10	3.8	-0.916	-0.0011	-2.5 to 2.5	Pass
				0	3.8	-0.687	-0.0008	-2.5 to 2.5	Pass
				10	3.8	-0.529	-0.0006	-2.5 to 2.5	Pass
				30	3.8	-2.117	-0.0025	-2.5 to 2.5	Pass
				40	3.8	0.343	0.0004	-2.5 to 2.5	Pass
	50	3.8	0.372	0.0004	-2.5 to 2.5	Pass			
	841.5	75	0	20	3.23	0.744	0.0009	-2.5 to 2.5	Pass
					3.8	-0.200	-0.0002	-2.5 to 2.5	Pass
					4.37	-0.801	-0.0010	-2.5 to 2.5	Pass
				-30	3.8	1.130	0.0013	-2.5 to 2.5	Pass
				-20	3.8	0.186	0.0002	-2.5 to 2.5	Pass
				-10	3.8	-0.129	-0.0002	-2.5 to 2.5	Pass
				0	3.8	0.730	0.0009	-2.5 to 2.5	Pass
				10	3.8	0.587	0.0007	-2.5 to 2.5	Pass
30				3.8	-0.014	0.0000	-2.5 to 2.5	Pass	
40				3.8	0.114	0.0001	-2.5 to 2.5	Pass	
50	3.8	0.072	0.0001	-2.5 to 2.5	Pass				
16QAM	821.5	75	0	20	3.23	-1.845	-0.0022	-2.5 to 2.5	Pass
					3.8	-2.804	-0.0034	-2.5 to 2.5	Pass
					4.37	-2.003	-0.0024	-2.5 to 2.5	Pass
				-30	3.8	-0.901	-0.0011	-2.5 to 2.5	Pass
				-20	3.8	-1.917	-0.0023	-2.5 to 2.5	Pass
				-10	3.8	-2.775	-0.0034	-2.5 to 2.5	Pass
				0	3.8	-0.672	-0.0008	-2.5 to 2.5	Pass
				10	3.8	-2.017	-0.0025	-2.5 to 2.5	Pass
				30	3.8	-1.202	-0.0015	-2.5 to 2.5	Pass
				40	3.8	-1.073	-0.0013	-2.5 to 2.5	Pass
	50	3.8	-1.287	-0.0016	-2.5 to 2.5	Pass			
	831.5	75	0	20	3.23	-1.359	-0.0016	-2.5 to 2.5	Pass
					3.8	0.730	0.0009	-2.5 to 2.5	Pass
					4.37	-0.129	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	-2.918	-0.0035	-2.5 to 2.5	Pass
				-20	3.8	-3.691	-0.0044	-2.5 to 2.5	Pass
				-10	3.8	1.216	0.0015	-2.5 to 2.5	Pass
				0	3.8	-1.674	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-1.245	-0.0015	-2.5 to 2.5	Pass
				30	3.8	-0.958	-0.0012	-2.5 to 2.5	Pass
40				3.8	-1.316	-0.0016	-2.5 to 2.5	Pass	

	841.5	75	0	50	3.8	-1.216	-0.0015	-2.5 to 2.5	Pass
				20	3.23	-1.259	-0.0015	-2.5 to 2.5	Pass
					3.8	-0.372	-0.0004	-2.5 to 2.5	Pass
					4.37	1.273	0.0015	-2.5 to 2.5	Pass
				-30	3.8	0.215	0.0003	-2.5 to 2.5	Pass
				-20	3.8	1.059	0.0013	-2.5 to 2.5	Pass
				-10	3.8	-1.116	-0.0013	-2.5 to 2.5	Pass
				0	3.8	-1.616	-0.0019	-2.5 to 2.5	Pass
				10	3.8	-0.544	-0.0006	-2.5 to 2.5	Pass
				30	3.8	0.529	0.0006	-2.5 to 2.5	Pass
				40	3.8	0.572	0.0007	-2.5 to 2.5	Pass
				50	3.8	1.273	0.0015	-2.5 to 2.5	Pass

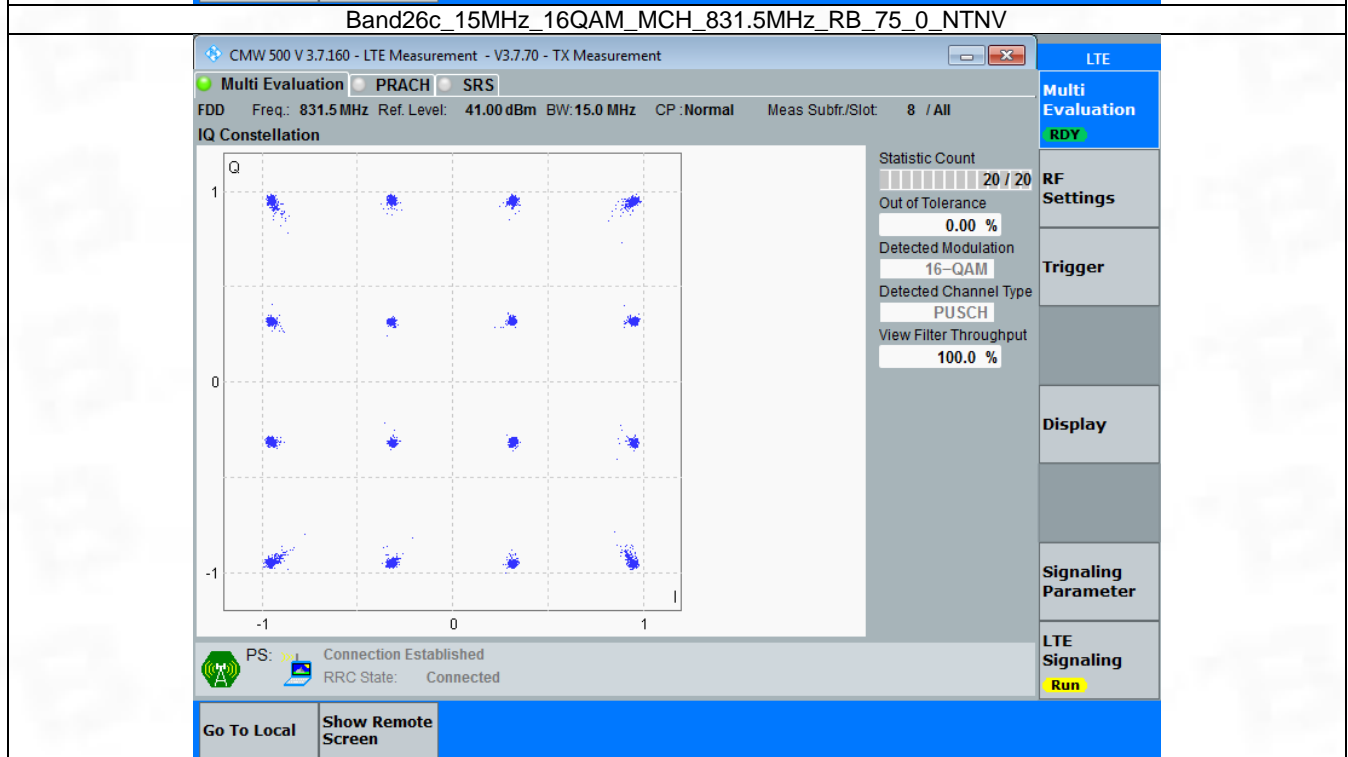
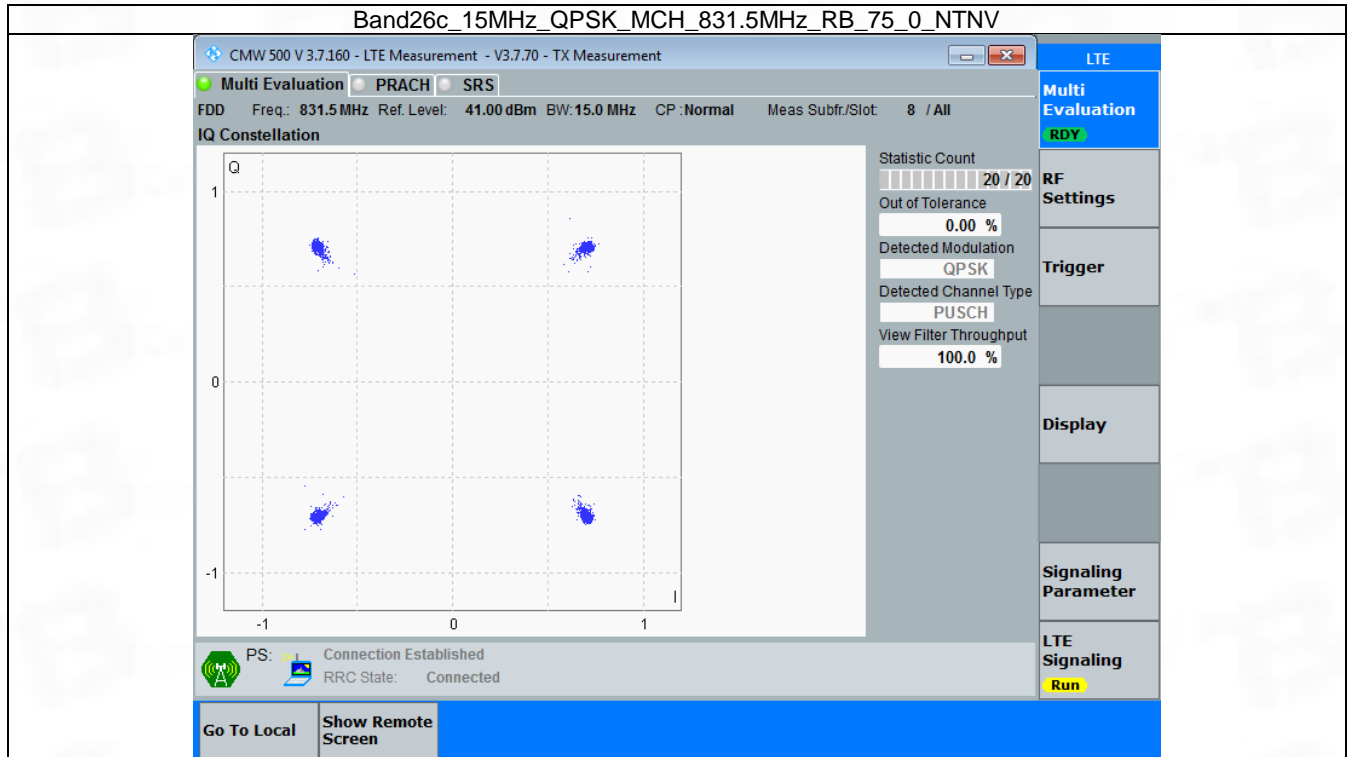
### 3. Modulation Characteristics

#### 3.1 B26c\_15MHz

##### 3.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
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



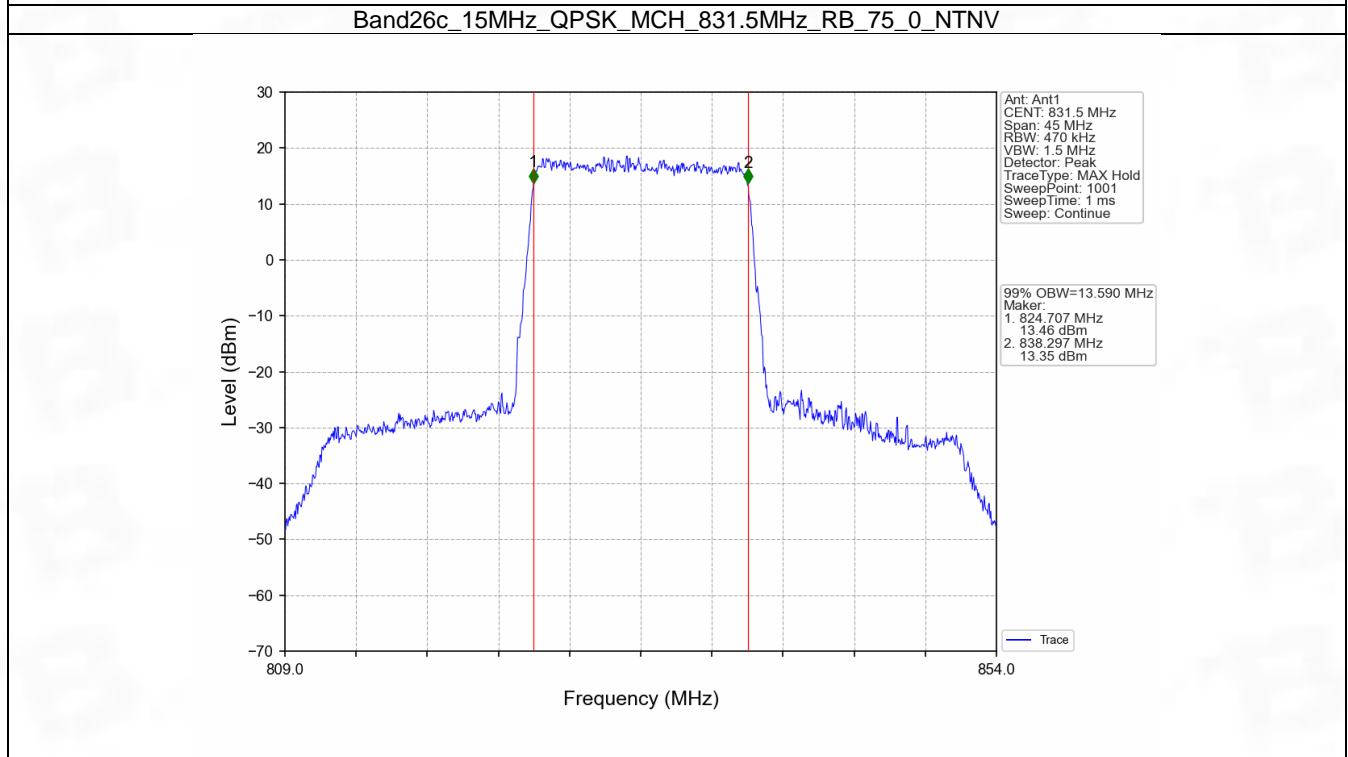
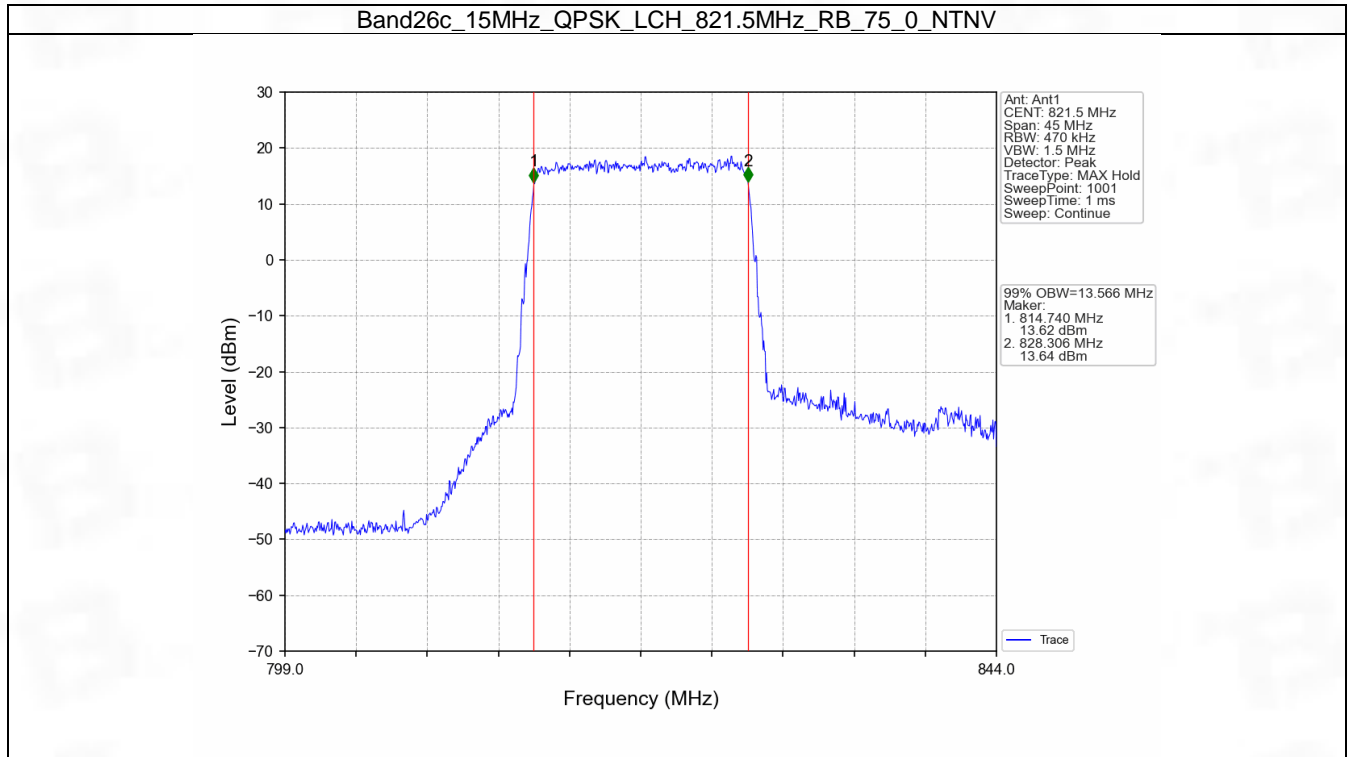
## 4. 99% & 26dB Bandwidth

### 4.1 Band26c\_OBW

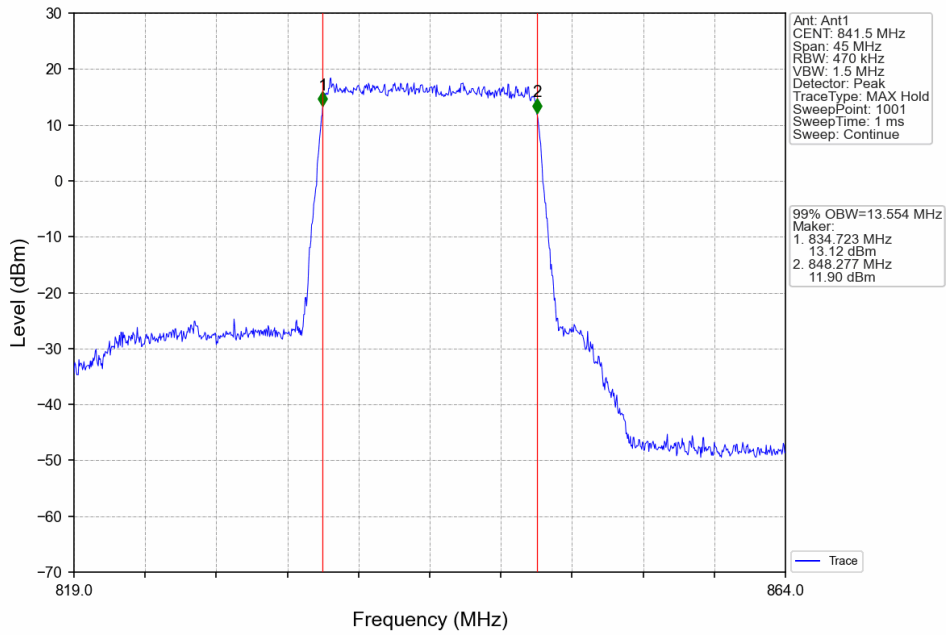
#### 4.1.1 Test Result

Band: 26c / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
15	QPSK	821.5	75	0	13.566	/	Pass
		831.5	75	0	13.590	/	Pass
		841.5	75	0	13.554	/	Pass
	16QAM	821.5	75	0	13.589	/	Pass
		831.5	75	0	13.637	/	Pass
		841.5	75	0	13.555	/	Pass

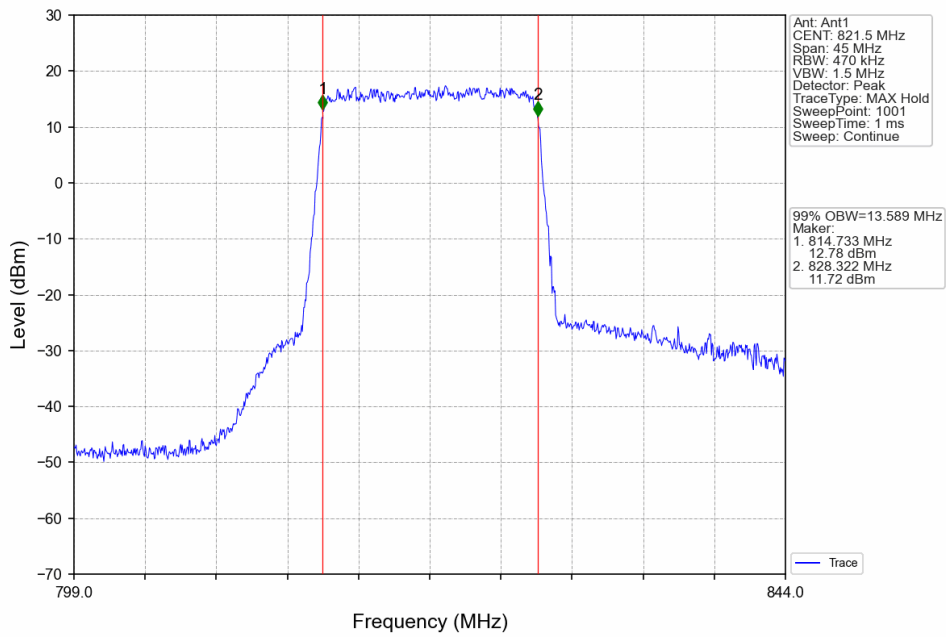
### 4.1.2 Test Graph



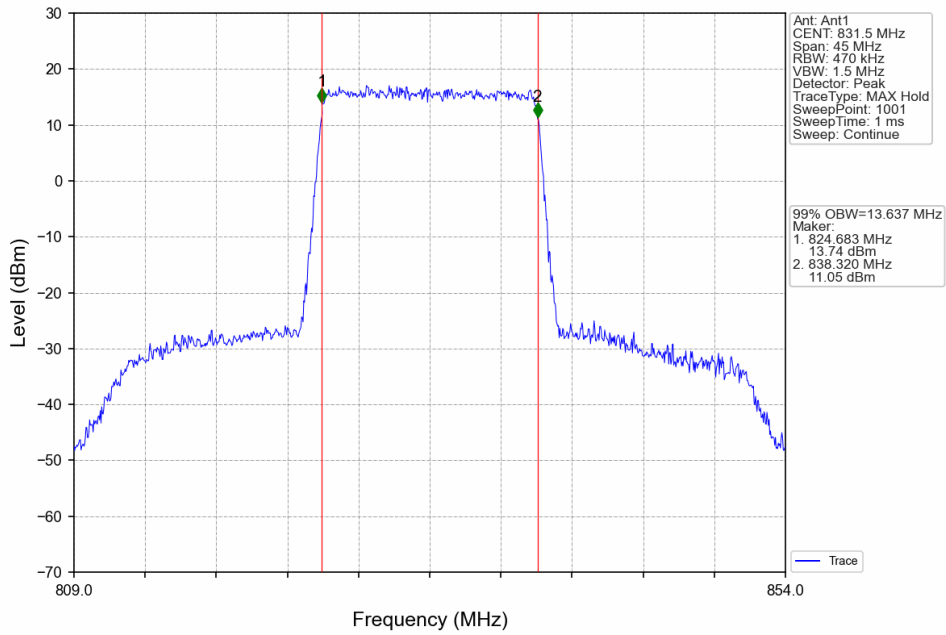
Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



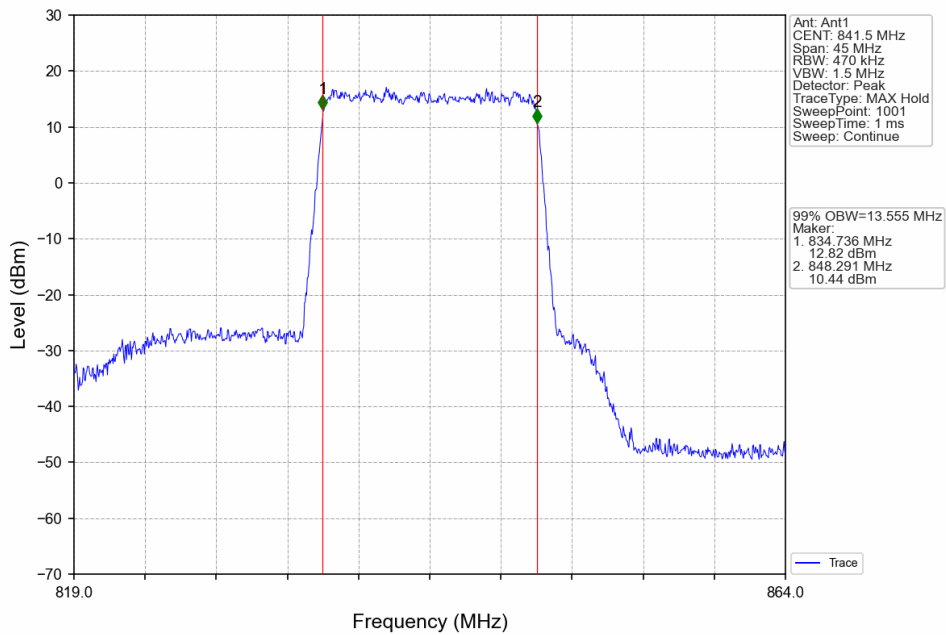
Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV



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



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



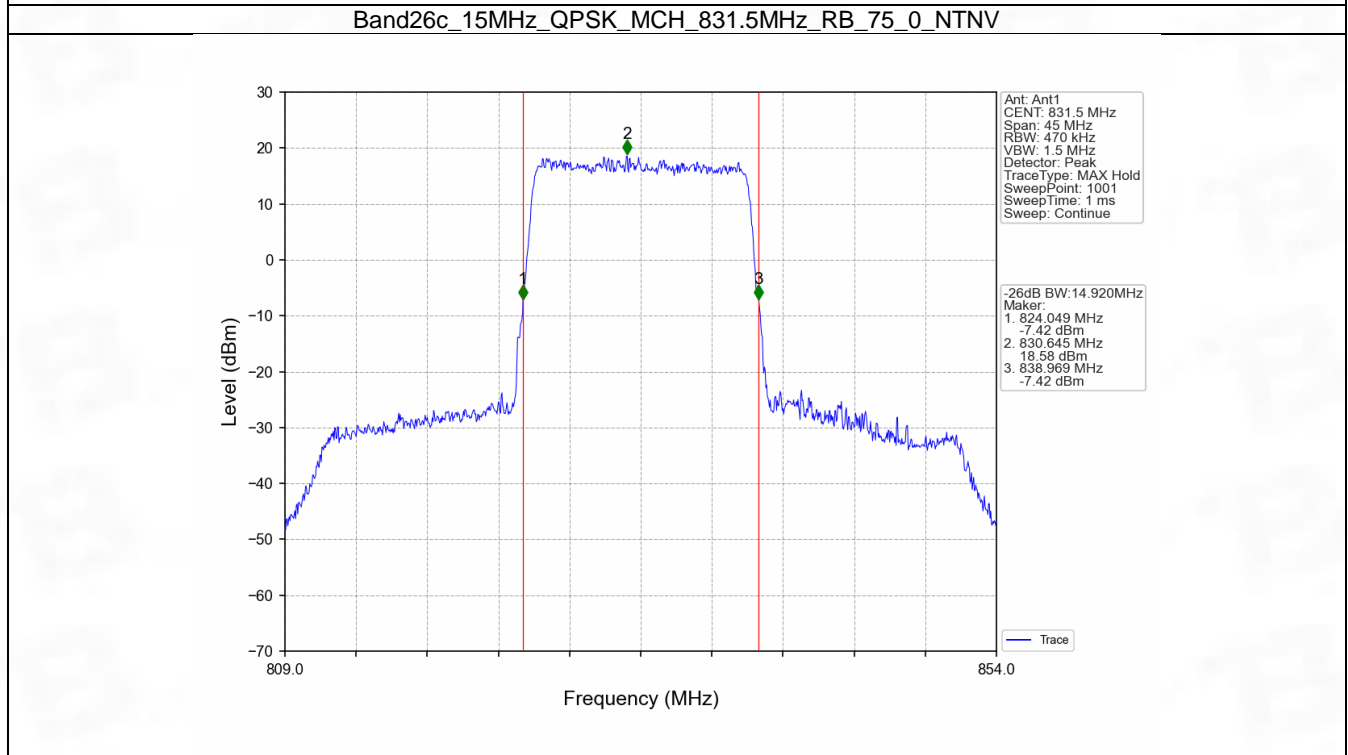
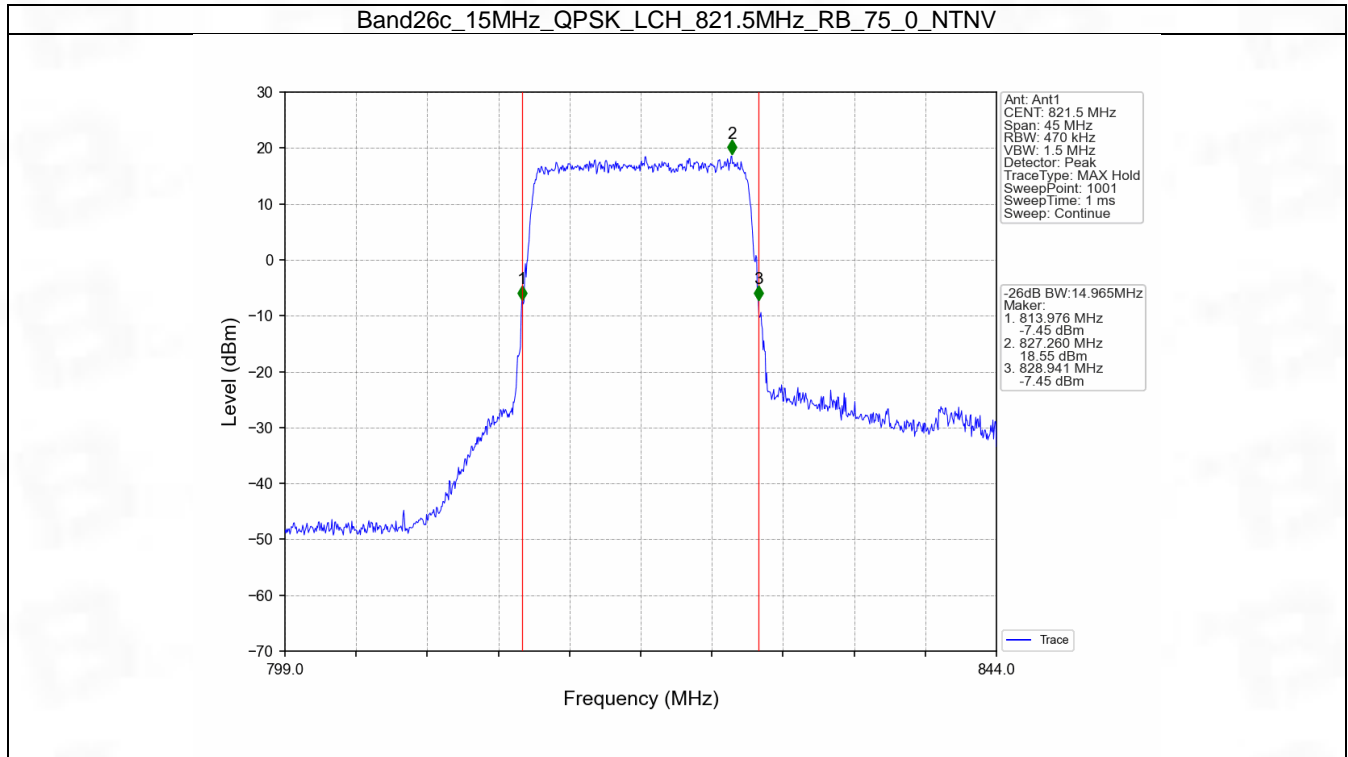


## 4.2 Band26c\_XDB

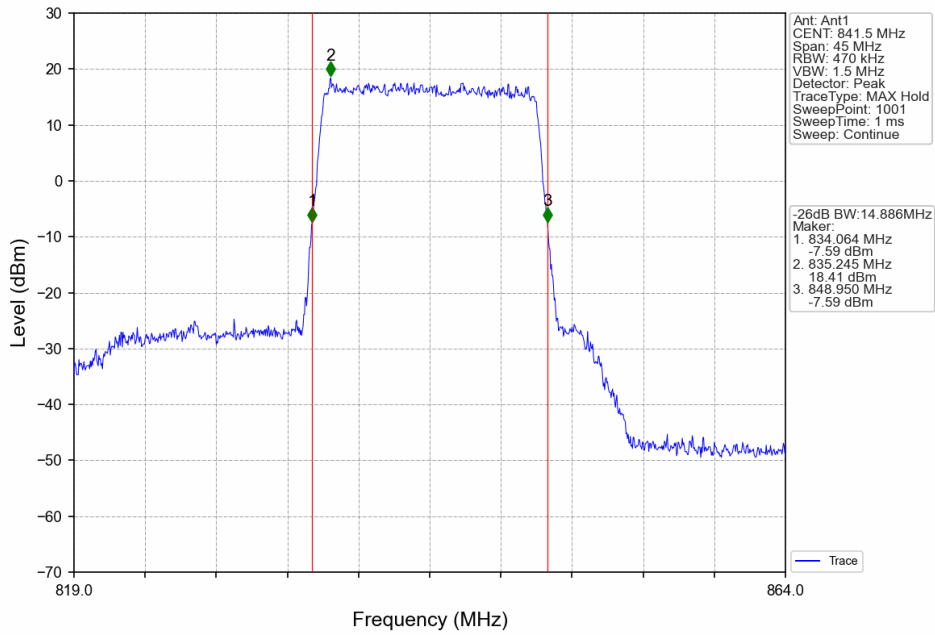
### 4.2.1 Test Result

Band: 26c / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
15	QPSK	821.5	75	0	14.965	/	Pass
		831.5	75	0	14.920	/	Pass
		841.5	75	0	14.886	/	Pass
	16QAM	821.5	75	0	14.940	/	Pass
		831.5	75	0	14.943	/	Pass
		841.5	75	0	14.905	/	Pass

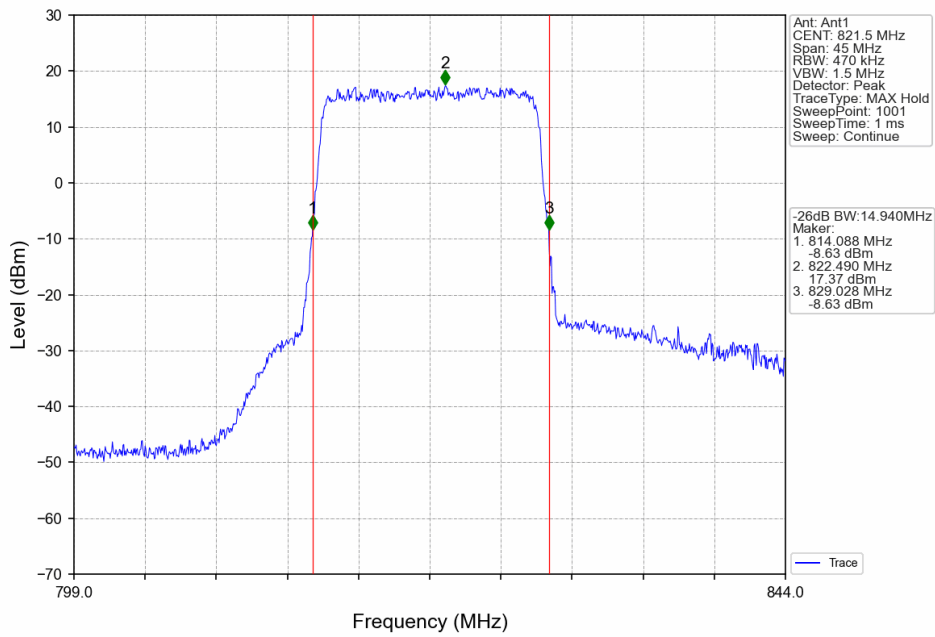
## 4.2.2 Test Graph



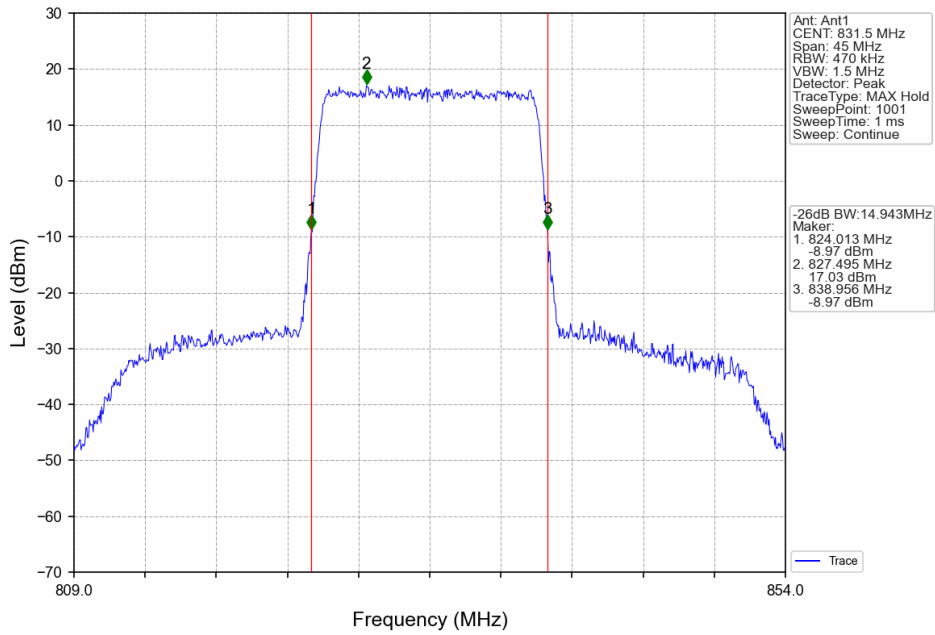
Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



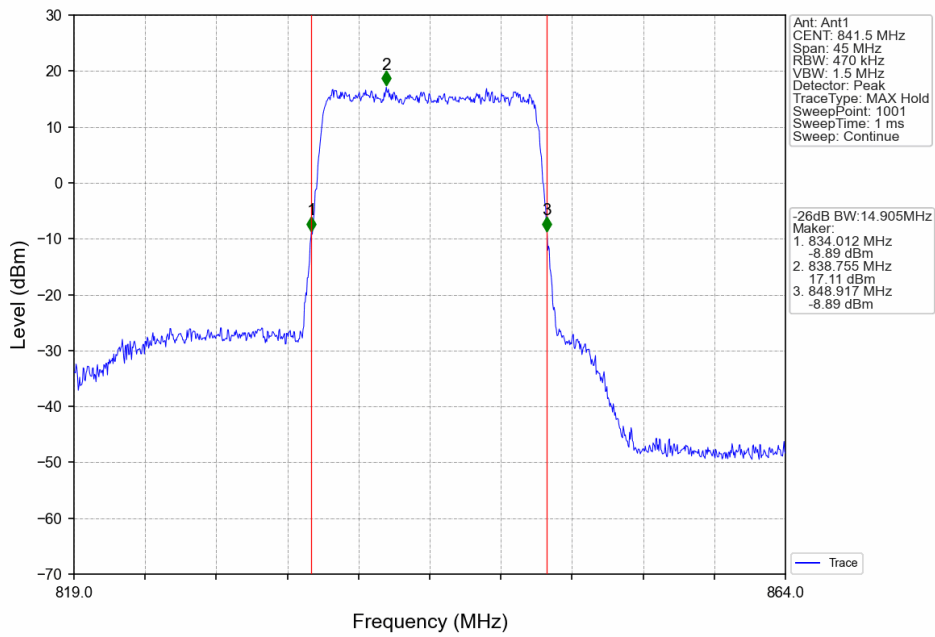
Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV



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



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



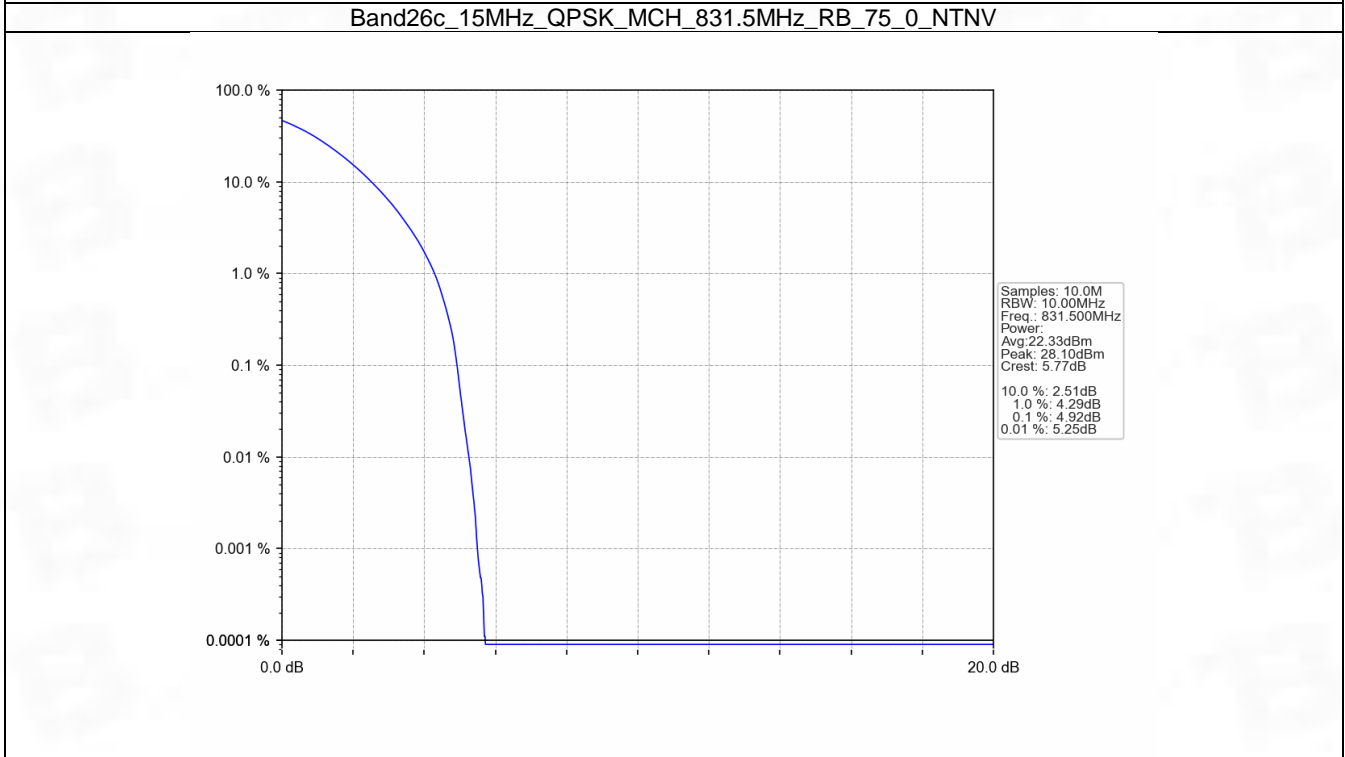
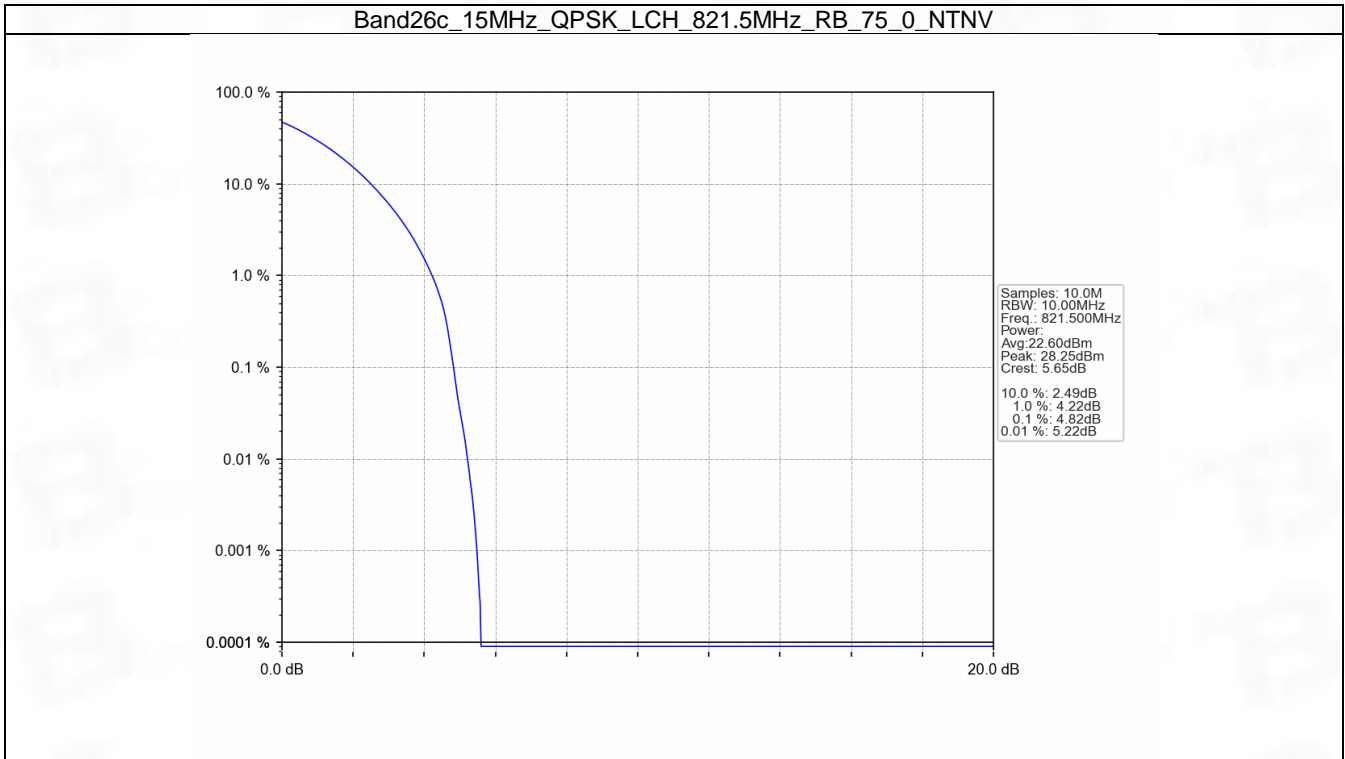
## 5. Peak-Average Ratio

### 5.1 B26c\_15MHz

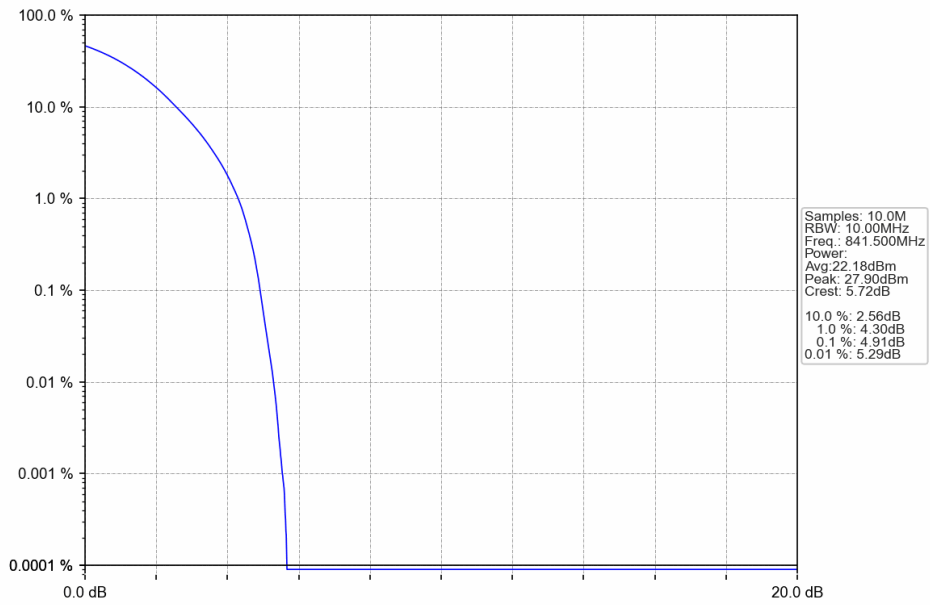
#### 5.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	75	0	4.82	<=13	Pass
	831.5	75	0	4.92	<=13	Pass
	841.5	75	0	4.91	<=13	Pass
16QAM	821.5	75	0	5.59	<=13	Pass
	831.5	75	0	5.75	<=13	Pass
	841.5	75	0	5.79	<=13	Pass

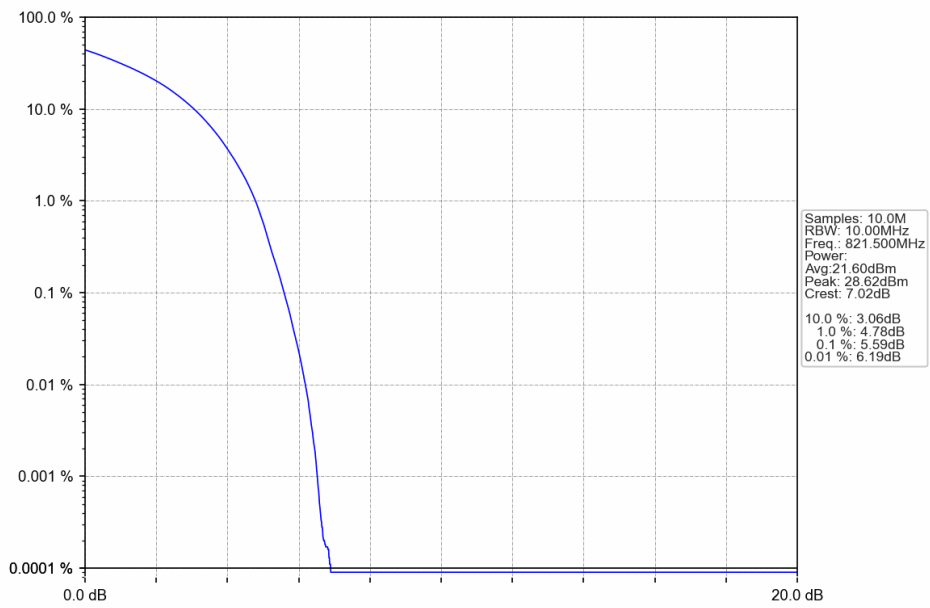
### 5.1.2 Test Graph



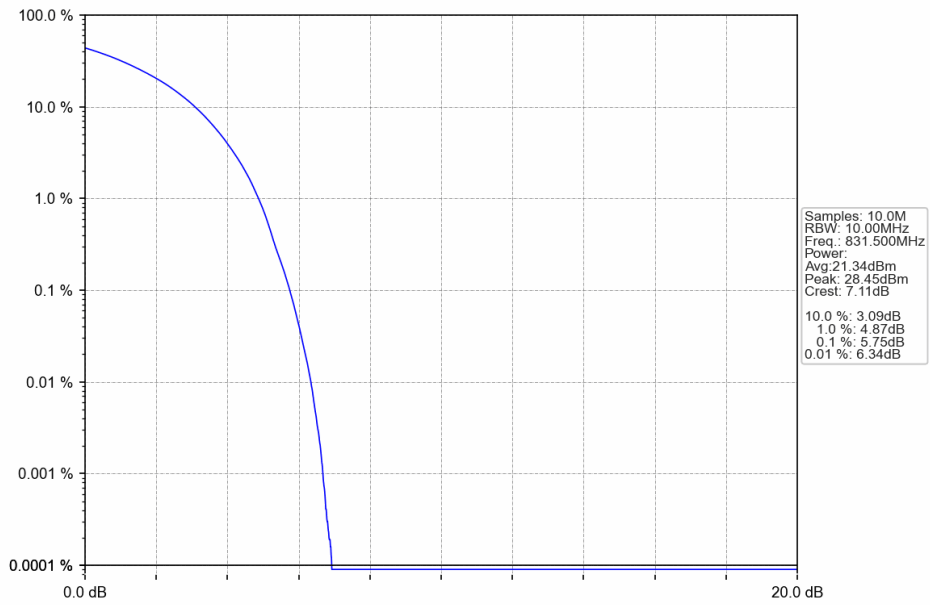
Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_75\_0\_NTNV



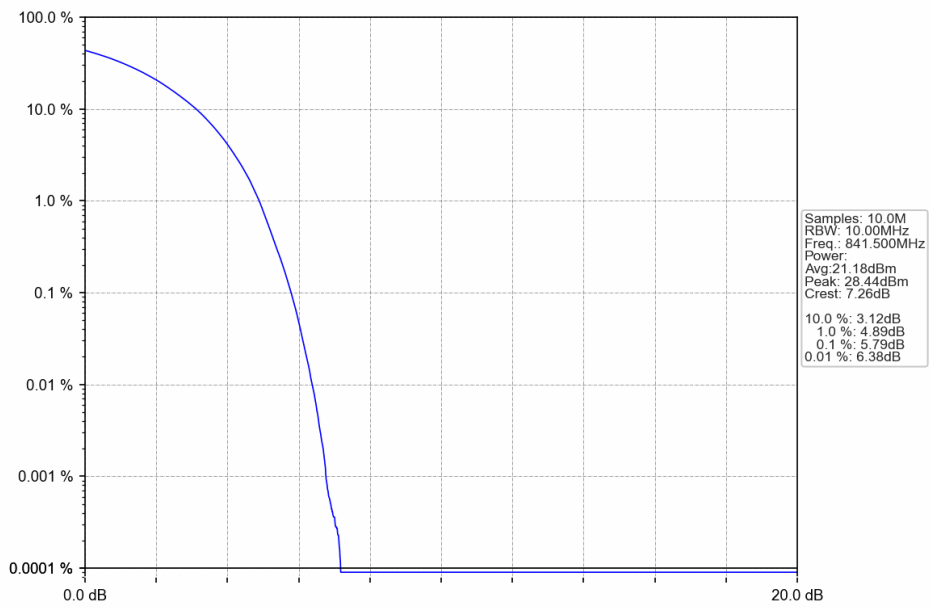
Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV



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



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





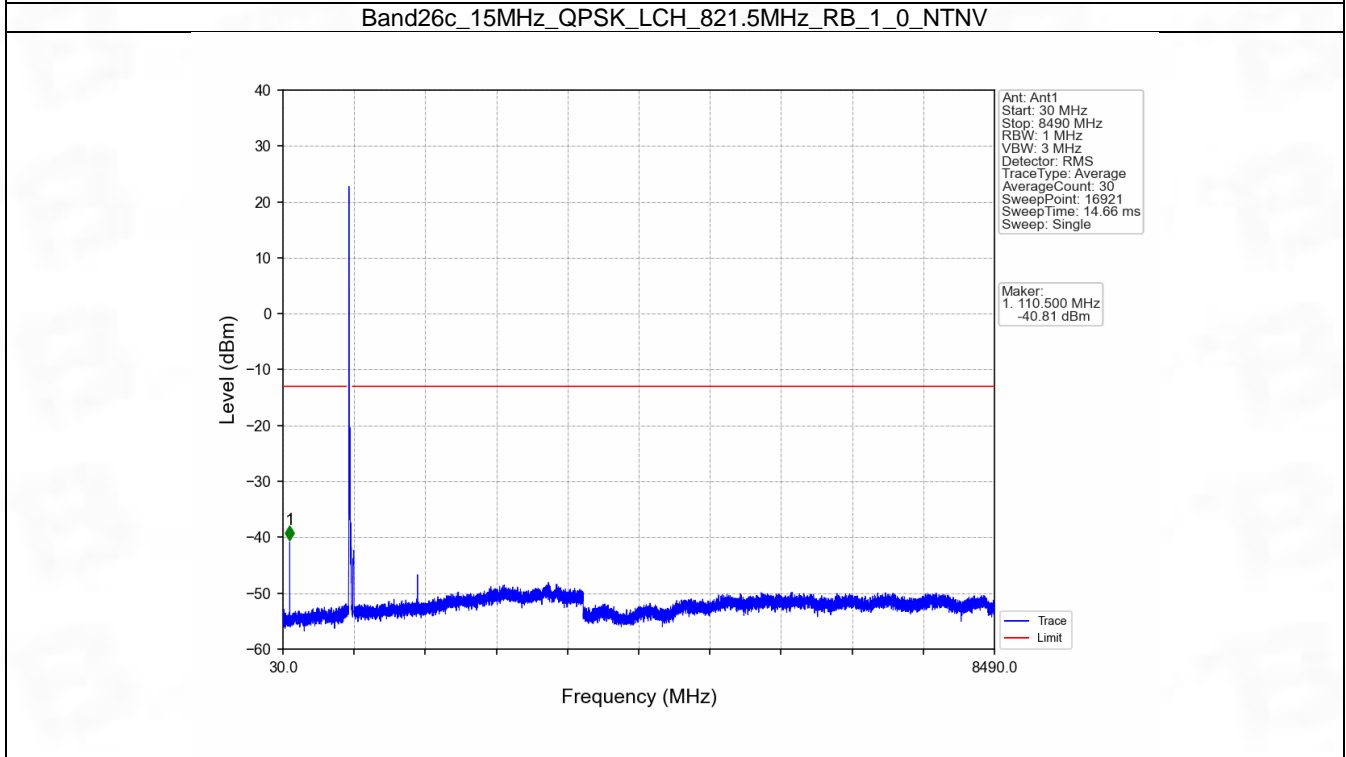
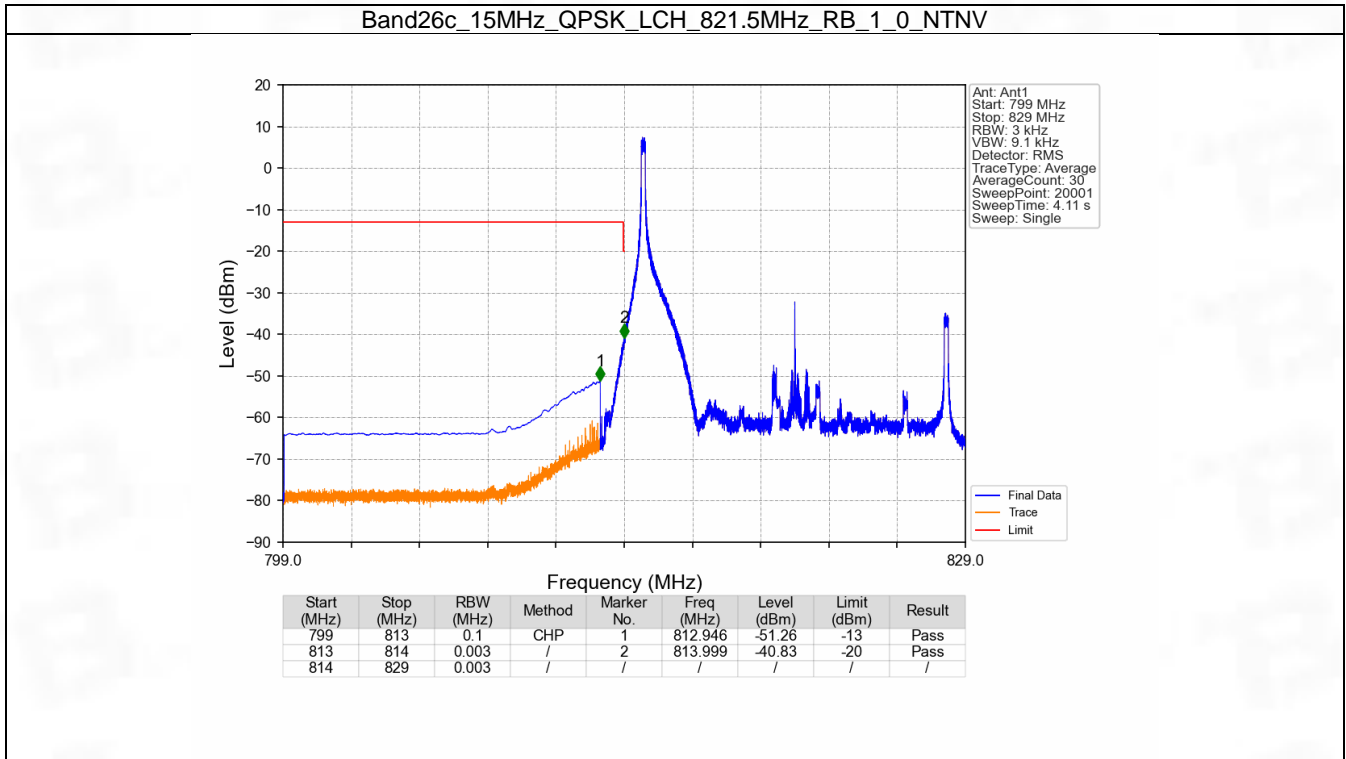
## 6. Spurious Emission

### 6.1 B26c\_15MHz

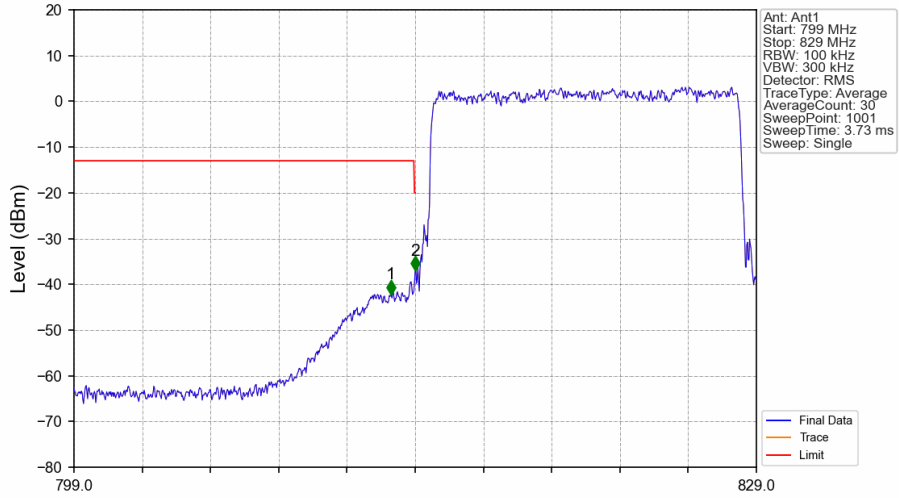
#### 6.1.1 Test Result

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
	841.5	1	0	Refer To Test Graph		Pass
		1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	821.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	841.5	1	0	Refer To Test Graph		Pass
		1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

### 6.1.2 Test Graph

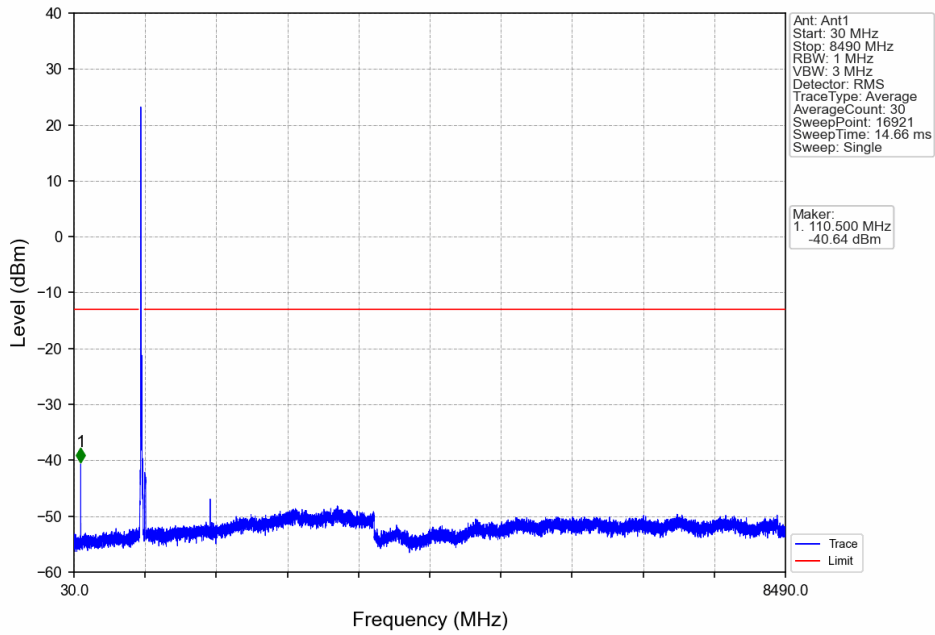


Band26c\_15MHz\_QPSK\_LCH\_821.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	/	1	812.920	-42.16	-13	Pass
813	814	0.15	/	2	814.000	-36.91	-20	Pass
814	829	0.15	/	/	/	/	/	/

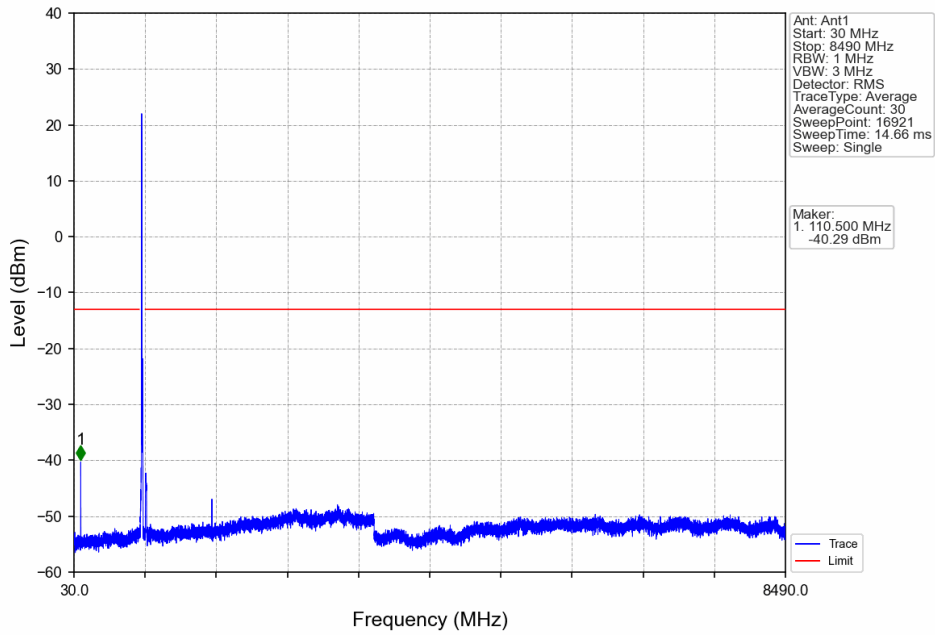
Band26c\_15MHz\_QPSK\_MCH\_831.5MHz\_RB\_1\_0\_NTNV



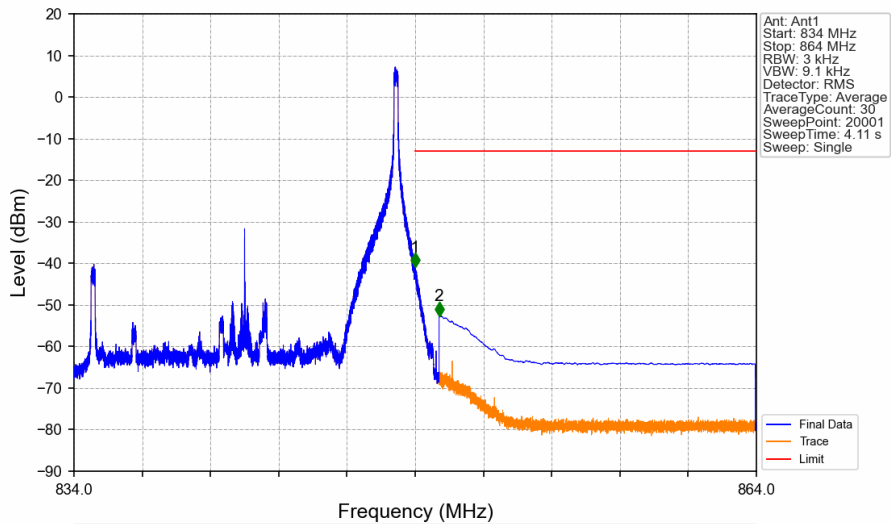
Ant: Ant1  
 Start: 30 MHz  
 Stop: 8490 MHz  
 RBW: 1 MHz  
 VBW: 3 MHz  
 Detector: RMS  
 Trace Type: Average  
 Average Count: 30  
 Sweep Point: 16921  
 Sweep Time: 14.66 ms  
 Sweep: Single

Marker:  
 1: 110.500 MHz  
 -40.64 dBm

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

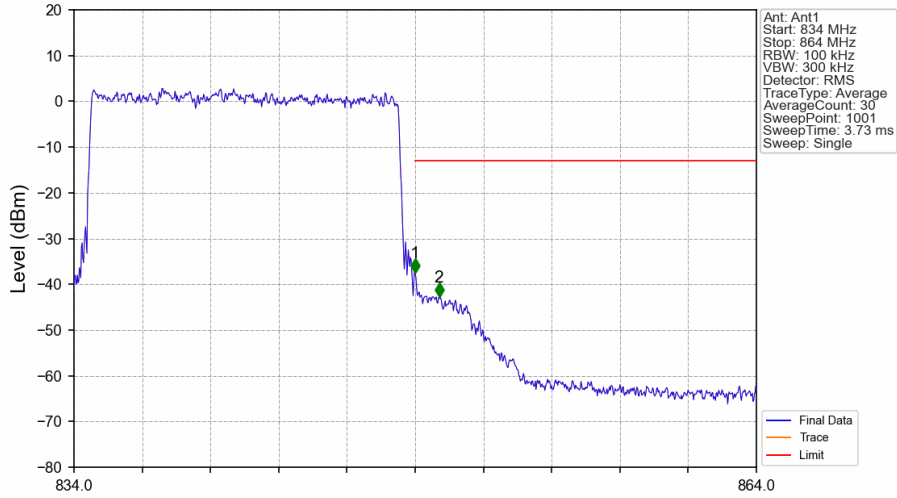


Band26c\_15MHz\_QPSK\_HCH\_841.5MHz\_RB\_1\_74\_NTNV



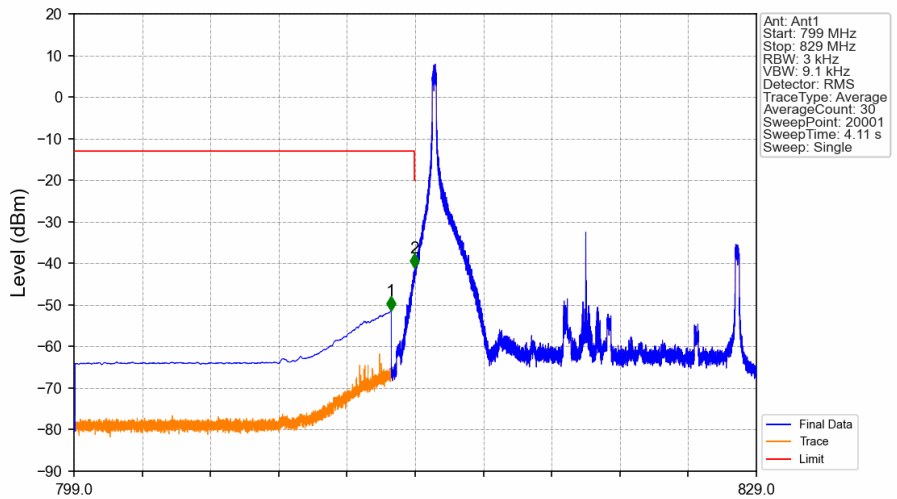
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	1	849.001	-40.86	-13	Pass
849	850	0.003	/	1	849.001	-40.86	-13	Pass
850	864	0.1	CHP	2	850.052	-52.66	-13	Pass

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



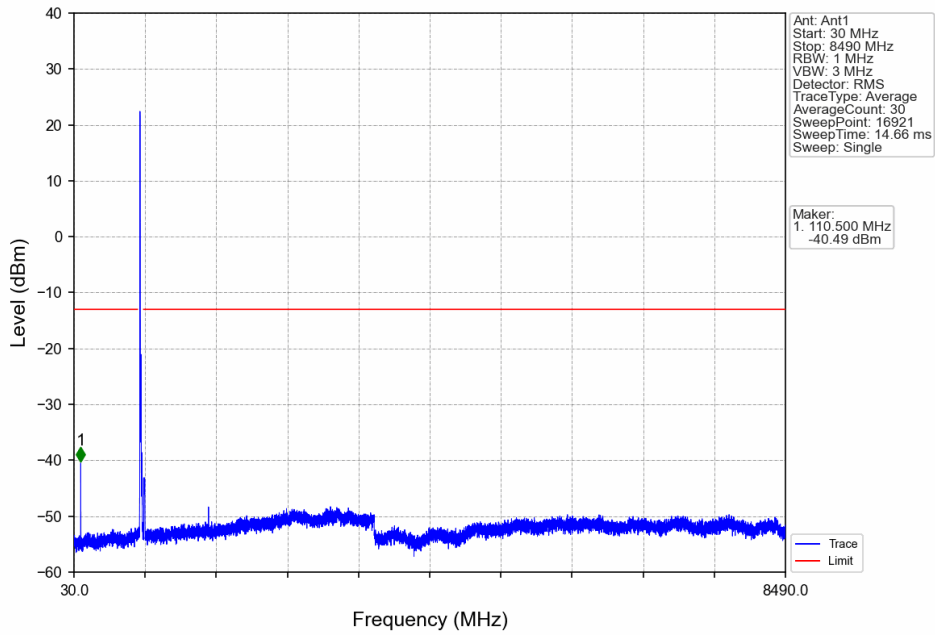
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.149	/	/	/	/	/	/
849	850	0.149	/	1	849.000	-37.56	-13	Pass
850	864	0.1	/	2	850.050	-42.77	-13	Pass

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

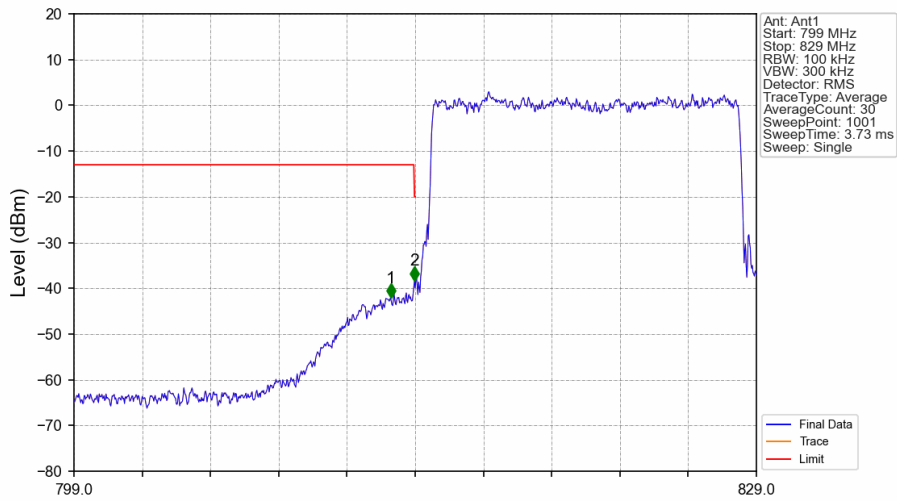


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	CHP	1	812.938	-51.39	-13	Pass
813	814	0.003	/	2	813.982	-41.13	-20	Pass
814	829	0.003	/	/	/	/	/	/

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

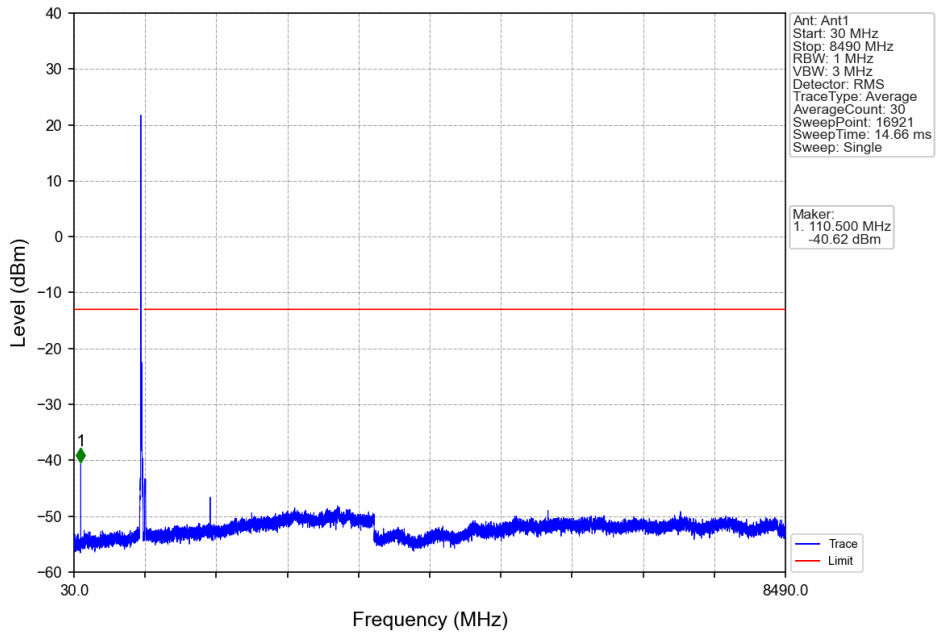


Band26c\_15MHz\_16QAM\_LCH\_821.5MHz\_RB\_75\_0\_NTNV

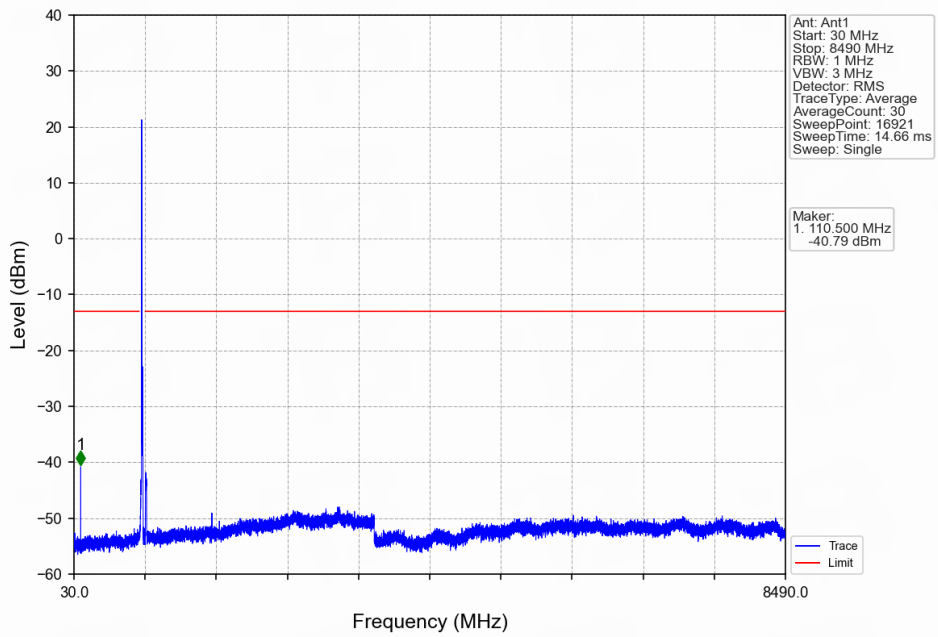


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	/	1	812.920	-42.14	-13	Pass
813	814	0.149	/	2	813.970	-38.28	-20	Pass
814	829	0.149	/	/	/	/	/	/

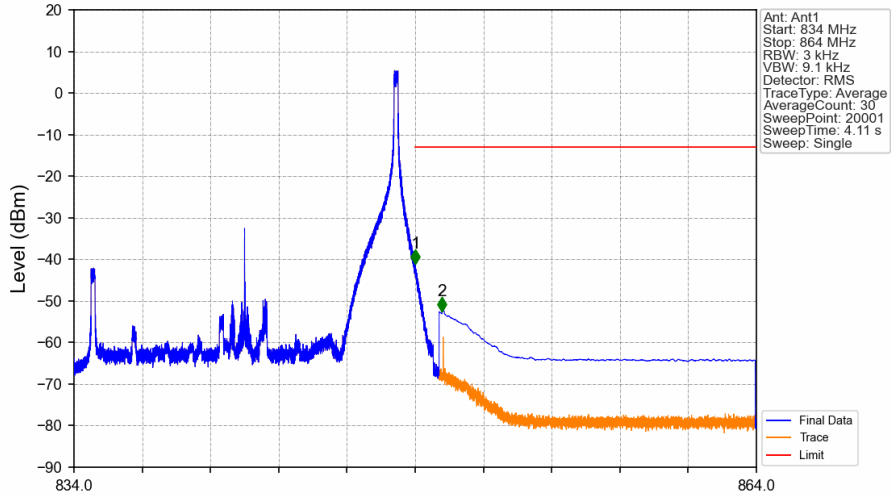
Band26c\_15MHz\_16QAM\_MCH\_831.5MHz\_RB\_1\_0\_NTNV



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

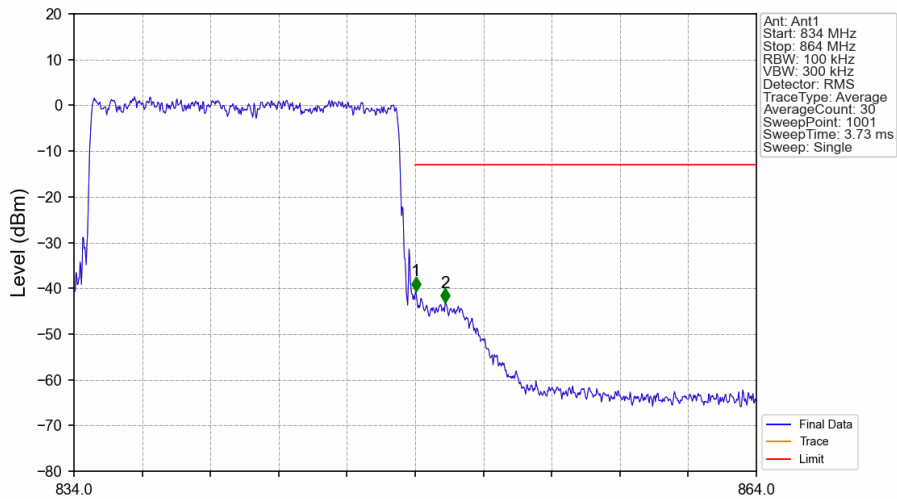


Band26c\_15MHz\_16QAM\_HCH\_841.5MHz\_RB\_1\_74\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-41.05	-13	Pass
850	864	0.1	CHP	2	850.185	-52.46	-13	Pass

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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.149	/	/	/	/	/	/
849	850	0.149	/	1	849.030	-40.60	-13	Pass
850	864	0.1	/	2	850.320	-43.17	-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	0.1679	0.0043	ppm	13M6G7D	/	22.25
26c	15	821.5	841.5	0.1507	0.0044	ppm	13M6W7D	/	21.78

### 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	0.1180	0.0043	ppm	13M6G7D	/	20.72
26c	15	821.5	841.5	0.1059	0.0044	ppm	13M6W7D	/	20.25