

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B13\_5MHz\_ERP

### 1.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	779.5	1	0	22.59	0.42	20.86	<=34.77	Pass		
			13	22.69	0.42	20.96	<=34.77	Pass		
			24	22.53	0.42	20.80	<=34.77	Pass		
		12	0	21.57	0.42	19.84	<=34.77	Pass		
			6	21.72	0.42	19.99	<=34.77	Pass		
			13	21.50	0.42	19.77	<=34.77	Pass		
		25	0	21.52	0.42	19.79	<=34.77	Pass		
		782	1	0	22.54	0.42	20.81	<=34.77	Pass	
				13	22.59	0.42	20.86	<=34.77	Pass	
	24			22.44	0.42	20.71	<=34.77	Pass		
	12		0	21.73	0.42	20.00	<=34.77	Pass		
			6	21.63	0.42	19.90	<=34.77	Pass		
			13	21.50	0.42	19.77	<=34.77	Pass		
	25		0	21.60	0.42	19.87	<=34.77	Pass		
	784.5		1	0	22.46	0.42	20.73	<=34.77	Pass	
				13	22.55	0.42	20.82	<=34.77	Pass	
		24		22.40	0.42	20.67	<=34.77	Pass		
		12	0	21.58	0.42	19.85	<=34.77	Pass		
			6	21.57	0.42	19.84	<=34.77	Pass		
			13	21.59	0.42	19.86	<=34.77	Pass		
		25	0	21.62	0.42	19.89	<=34.77	Pass		
		16QAM	779.5	1	0	21.63	0.42	19.90	<=34.77	Pass
					13	21.82	0.42	20.09	<=34.77	Pass
	24				21.64	0.42	19.91	<=34.77	Pass	
	12			0	20.55	0.42	18.82	<=34.77	Pass	
				6	20.70	0.42	18.97	<=34.77	Pass	
				13	20.58	0.42	18.85	<=34.77	Pass	
25	0			20.58	0.42	18.85	<=34.77	Pass		
782	1			0	21.43	0.42	19.70	<=34.77	Pass	
				13	21.46	0.42	19.73	<=34.77	Pass	
			24	21.33	0.42	19.60	<=34.77	Pass		
	12		0	20.72	0.42	18.99	<=34.77	Pass		
			6	20.67	0.42	18.94	<=34.77	Pass		
			13	20.50	0.42	18.77	<=34.77	Pass		
	25		0	20.74	0.42	19.01	<=34.77	Pass		
	784.5		1	0	21.78	0.42	20.05	<=34.77	Pass	
				13	21.82	0.42	20.09	<=34.77	Pass	
24				21.63	0.42	19.90	<=34.77	Pass		
12			0	20.65	0.42	18.92	<=34.77	Pass		
			6	20.65	0.42	18.92	<=34.77	Pass		
			13	20.65	0.42	18.92	<=34.77	Pass		
25			0	20.65	0.42	18.92	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B13\_10MHz\_ERP

1.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	782	1	0	22.62	0.42	20.89	<=34.77	Pass		
			25	22.73	0.42	21.00	<=34.77	Pass		
			49	22.44	0.42	20.71	<=34.77	Pass		
		25	0	21.81	0.42	20.08	<=34.77	Pass		
			13	21.69	0.42	19.96	<=34.77	Pass		
			25	21.61	0.42	19.88	<=34.77	Pass		
		50	0	21.73	0.42	20.00	<=34.77	Pass		
		16QAM	782	1	0	22.03	0.42	20.30	<=34.77	Pass
					25	22.36	0.42	20.63	<=34.77	Pass
49	21.99				0.42	20.26	<=34.77	Pass		
25	0			20.92	0.42	19.19	<=34.77	Pass		
	13			20.78	0.42	19.05	<=34.77	Pass		
	25			20.73	0.42	19.00	<=34.77	Pass		
50	0			20.78	0.42	19.05	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B13\_5MHz

2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	779.5	25	0	20	3.27	3.176	0.0041	-2.5 to 2.5	Pass	
					3.85	-1.831	-0.0023	-2.5 to 2.5	Pass	
					4.43	-5.436	-0.0070	-2.5 to 2.5	Pass	
				-30	3.85	-5.393	-0.0069	-2.5 to 2.5	Pass	
					-20	3.85	-6.208	-0.0080	-2.5 to 2.5	Pass
					-10	3.85	-4.334	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-3.662	-0.0047	-2.5 to 2.5	Pass	
					10	3.85	-8.025	-0.0103	-2.5 to 2.5	Pass
					30	3.85	-6.266	-0.0080	-2.5 to 2.5	Pass
	40	3.85	-5.379	-0.0069	-2.5 to 2.5	Pass				
		50	3.85	-5.980	-0.0077	-2.5 to 2.5	Pass			
		20	3.27	-6.809	-0.0087	-2.5 to 2.5	Pass			
	782	25	0	20	3.85	-5.951	-0.0076	-2.5 to 2.5	Pass	
					4.43	-3.190	-0.0041	-2.5 to 2.5	Pass	
					-30	3.85	-15.321	-0.0196	-2.5 to 2.5	Pass
				-20	3.85	-7.439	-0.0095	-2.5 to 2.5	Pass	
					-10	3.85	-7.939	-0.0102	-2.5 to 2.5	Pass
					0	3.85	-7.567	-0.0097	-2.5 to 2.5	Pass
10				3.85	-3.905	-0.0050	-2.5 to 2.5	Pass		



				30	3.85	-7.253	-0.0093	-2.5 to 2.5	Pass			
				40	3.85	-6.709	-0.0086	-2.5 to 2.5	Pass			
				50	3.85	-8.469	-0.0108	-2.5 to 2.5	Pass			
				20	3.27	-5.093	-0.0065	-2.5 to 2.5	Pass			
					3.85	-5.164	-0.0066	-2.5 to 2.5	Pass			
					4.43	-6.166	-0.0079	-2.5 to 2.5	Pass			
				-30	3.85	-4.921	-0.0063	-2.5 to 2.5	Pass			
				-20	3.85	-5.264	-0.0067	-2.5 to 2.5	Pass			
				-10	3.85	-6.437	-0.0082	-2.5 to 2.5	Pass			
				0	3.85	-10.300	-0.0131	-2.5 to 2.5	Pass			
				10	3.85	-7.253	-0.0092	-2.5 to 2.5	Pass			
				30	3.85	-6.351	-0.0081	-2.5 to 2.5	Pass			
				40	3.85	-8.411	-0.0107	-2.5 to 2.5	Pass			
				50	3.85	-7.167	-0.0091	-2.5 to 2.5	Pass			
				16QAM	784.5	25	0	20	3.27	-6.452	-0.0083	-2.5 to 2.5
3.85	-3.676	-0.0047	-2.5 to 2.5						Pass			
4.43	-12.259	-0.0157	-2.5 to 2.5						Pass			
-30	3.85	-5.093	-0.0065					-2.5 to 2.5	Pass			
-20	3.85	-6.080	-0.0078					-2.5 to 2.5	Pass			
-10	3.85	-6.080	-0.0078					-2.5 to 2.5	Pass			
0	3.85	-6.652	-0.0085					-2.5 to 2.5	Pass			
10	3.85	-5.107	-0.0066					-2.5 to 2.5	Pass			
30	3.85	-4.406	-0.0057					-2.5 to 2.5	Pass			
40	3.85	-9.198	-0.0118					-2.5 to 2.5	Pass			
50	3.85	-4.363	-0.0056					-2.5 to 2.5	Pass			
782	25	0	20					3.27	-7.010	-0.0090	-2.5 to 2.5	Pass
								3.85	-6.237	-0.0080	-2.5 to 2.5	Pass
								4.43	-5.879	-0.0075	-2.5 to 2.5	Pass
			-30					3.85	-6.266	-0.0080	-2.5 to 2.5	Pass
			-20	3.85	-6.638	-0.0085	-2.5 to 2.5	Pass				
			-10	3.85	-9.284	-0.0119	-2.5 to 2.5	Pass				
			0	3.85	-9.241	-0.0118	-2.5 to 2.5	Pass				
			10	3.85	-4.520	-0.0058	-2.5 to 2.5	Pass				
			30	3.85	-5.922	-0.0076	-2.5 to 2.5	Pass				
40	3.85	-7.010	-0.0090	-2.5 to 2.5	Pass							
50	3.85	-6.967	-0.0089	-2.5 to 2.5	Pass							
784.5	25	0	20	3.27	-7.854	-0.0100	-2.5 to 2.5	Pass				
				3.85	-5.565	-0.0071	-2.5 to 2.5	Pass				
				4.43	-5.379	-0.0069	-2.5 to 2.5	Pass				
			-30	3.85	-3.591	-0.0046	-2.5 to 2.5	Pass				
			-20	3.85	-6.409	-0.0082	-2.5 to 2.5	Pass				
			-10	3.85	-7.381	-0.0094	-2.5 to 2.5	Pass				
			0	3.85	-6.809	-0.0087	-2.5 to 2.5	Pass				
			10	3.85	-6.380	-0.0081	-2.5 to 2.5	Pass				
			30	3.85	-8.655	-0.0110	-2.5 to 2.5	Pass				
40	3.85	-9.270	-0.0118	-2.5 to 2.5	Pass							
50	3.85	-6.938	-0.0088	-2.5 to 2.5	Pass							

2.2 B13\_10MHz

2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.27	-14.691	-0.0188	-2.5 to 2.5	Pass
					3.85	-12.817	-0.0164	-2.5 to 2.5	Pass
					4.43	-8.883	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-9.656	-0.0123	-2.5 to 2.5	Pass
					-20	3.85	-9.756	-0.0125	-2.5 to 2.5
				-10	3.85	-9.441	-0.0121	-2.5 to 2.5	Pass
					0	3.85	-44.174	-0.0565	-2.5 to 2.5
				10	3.85	-9.127	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-7.682	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-8.640	-0.0110	-2.5 to 2.5	Pass
50	3.85	-6.323	-0.0081	-2.5 to 2.5	Pass				
16QAM	782	50	0	20	3.27	-6.080	-0.0078	-2.5 to 2.5	Pass
					3.85	-2.918	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.523	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-7.710	-0.0099	-2.5 to 2.5	Pass
					-20	3.85	-11.530	-0.0147	-2.5 to 2.5
				-10	3.85	-7.682	-0.0098	-2.5 to 2.5	Pass
					0	3.85	-7.954	-0.0102	-2.5 to 2.5
				10	3.85	-6.022	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-8.612	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0070	-2.5 to 2.5	Pass
50	3.85	-3.948	-0.0050	-2.5 to 2.5	Pass				

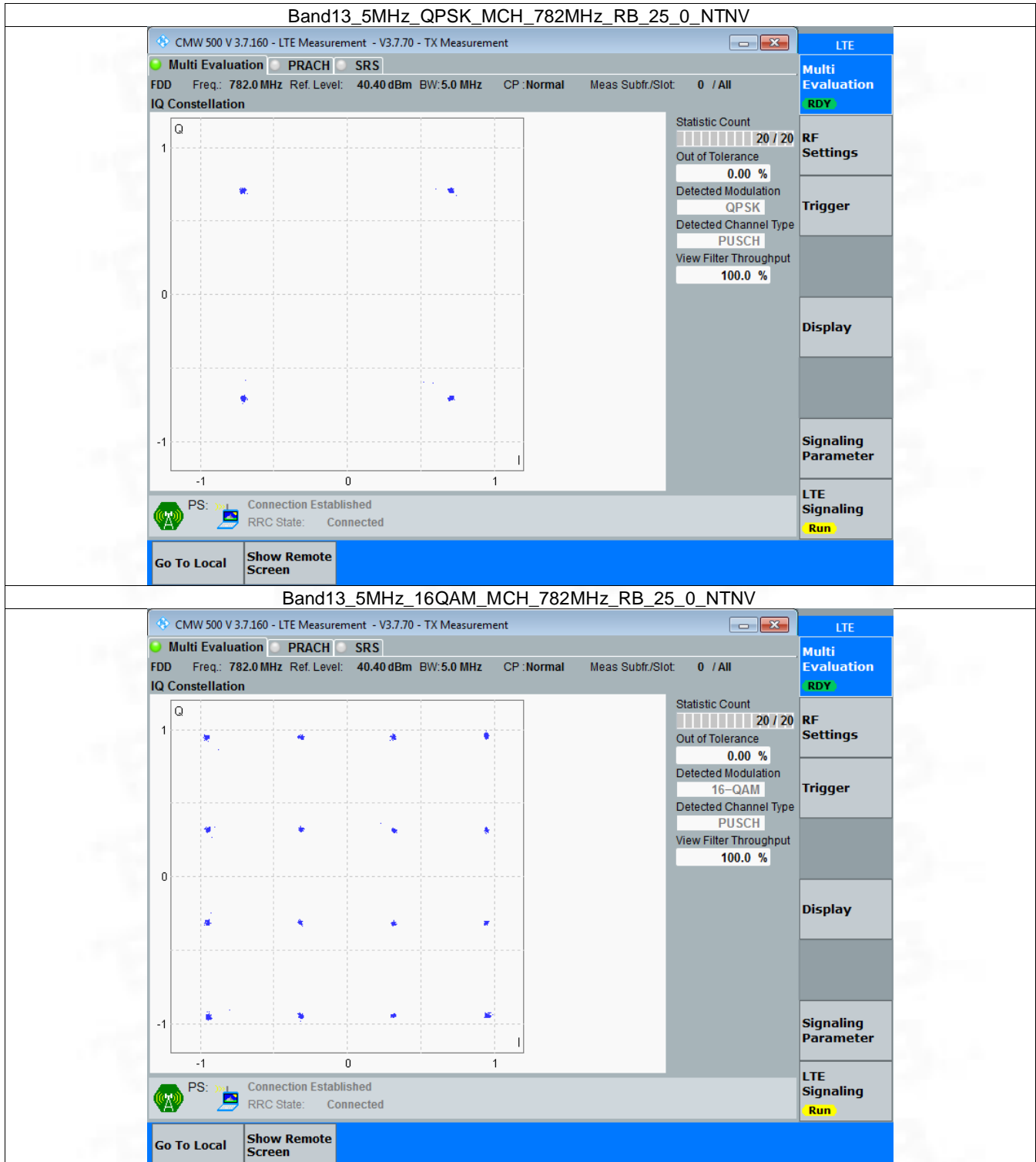
### 3. Modulation Characteristics

#### 3.1 B13\_5MHz

##### 3.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	25	0	Refer To Test Graph		Pass
16QAM	782	25	0	Refer To Test Graph		Pass

### 3.1.2 Test Graph

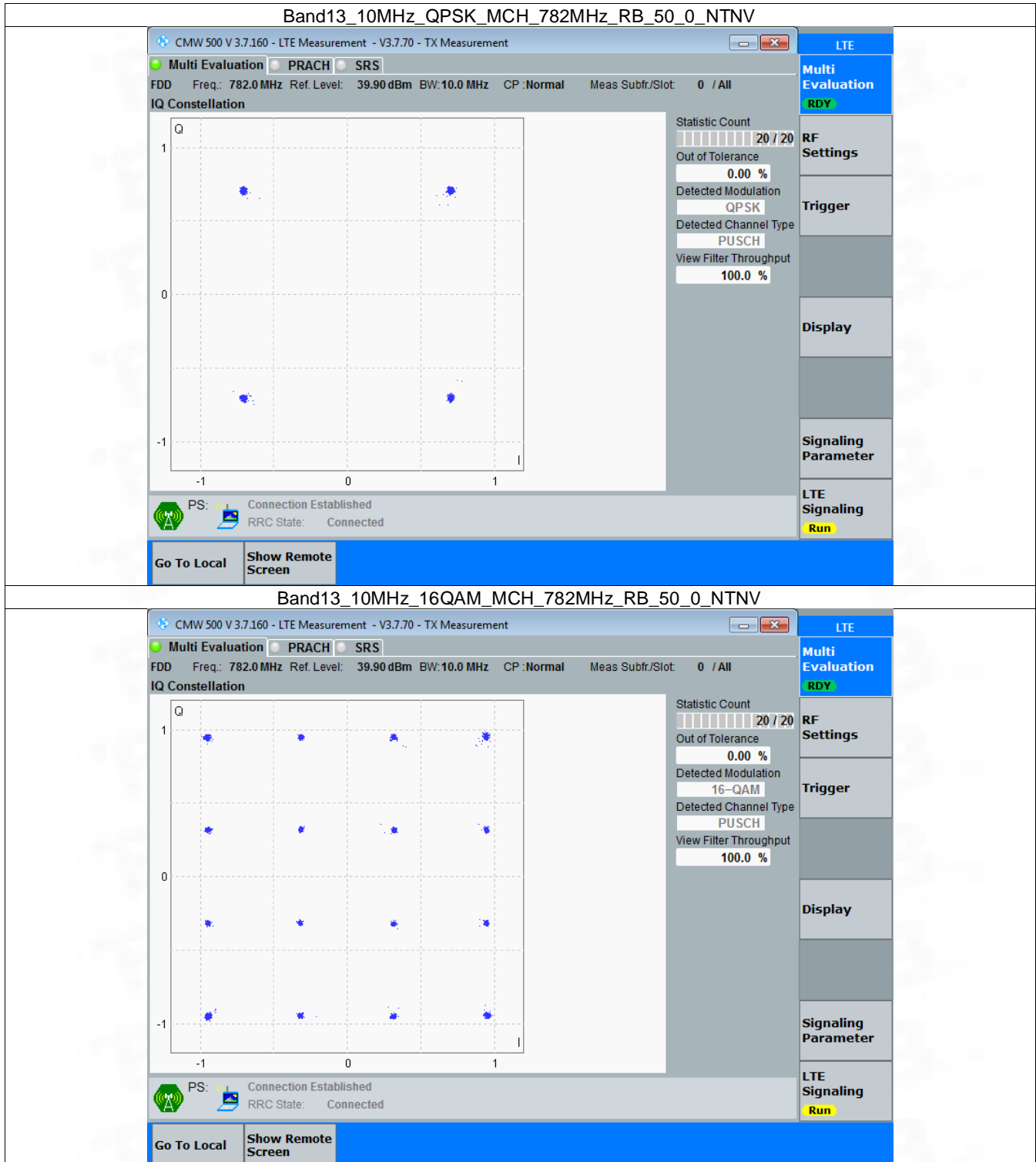


### 3.2 B13\_10MHz

#### 3.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	Refer To Test Graph		Pass
16QAM	782	50	0	Refer To Test Graph		Pass

### 3.2.2 Test Graph



4. 99% & 26dB Bandwidth

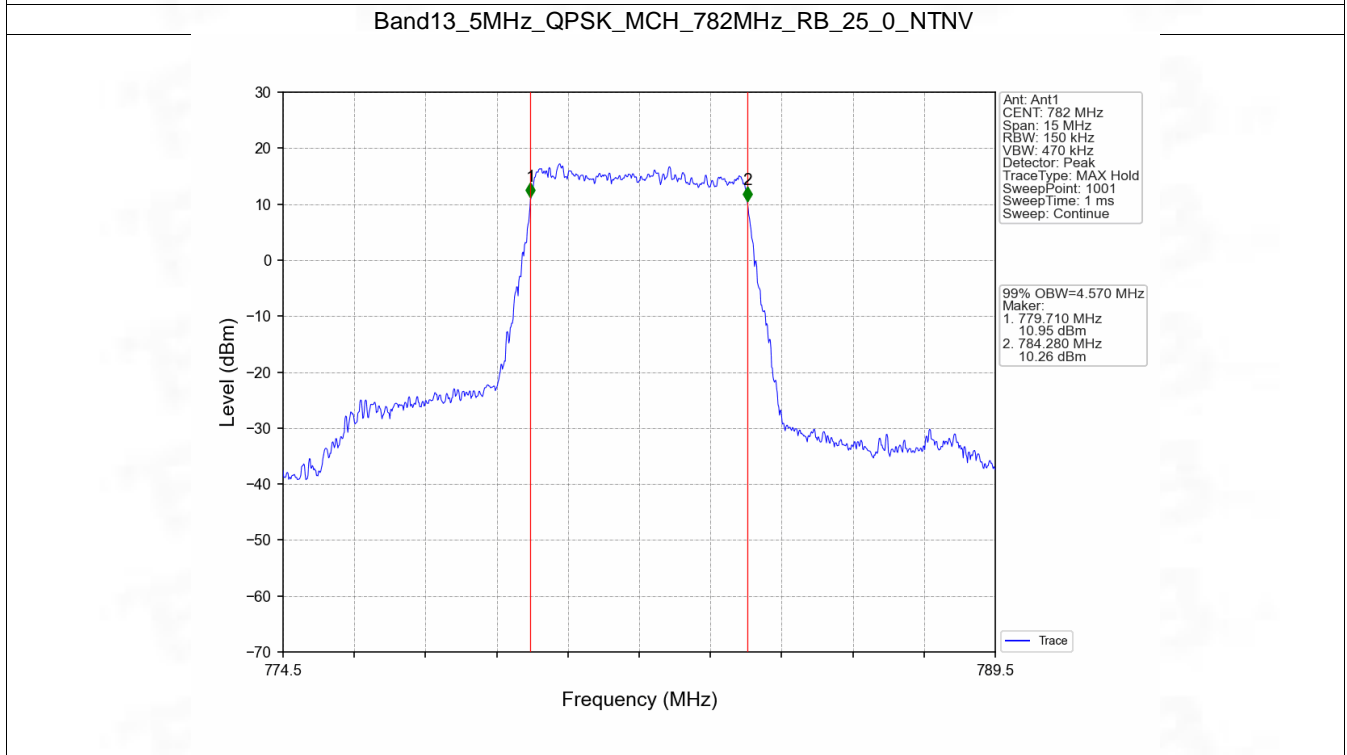
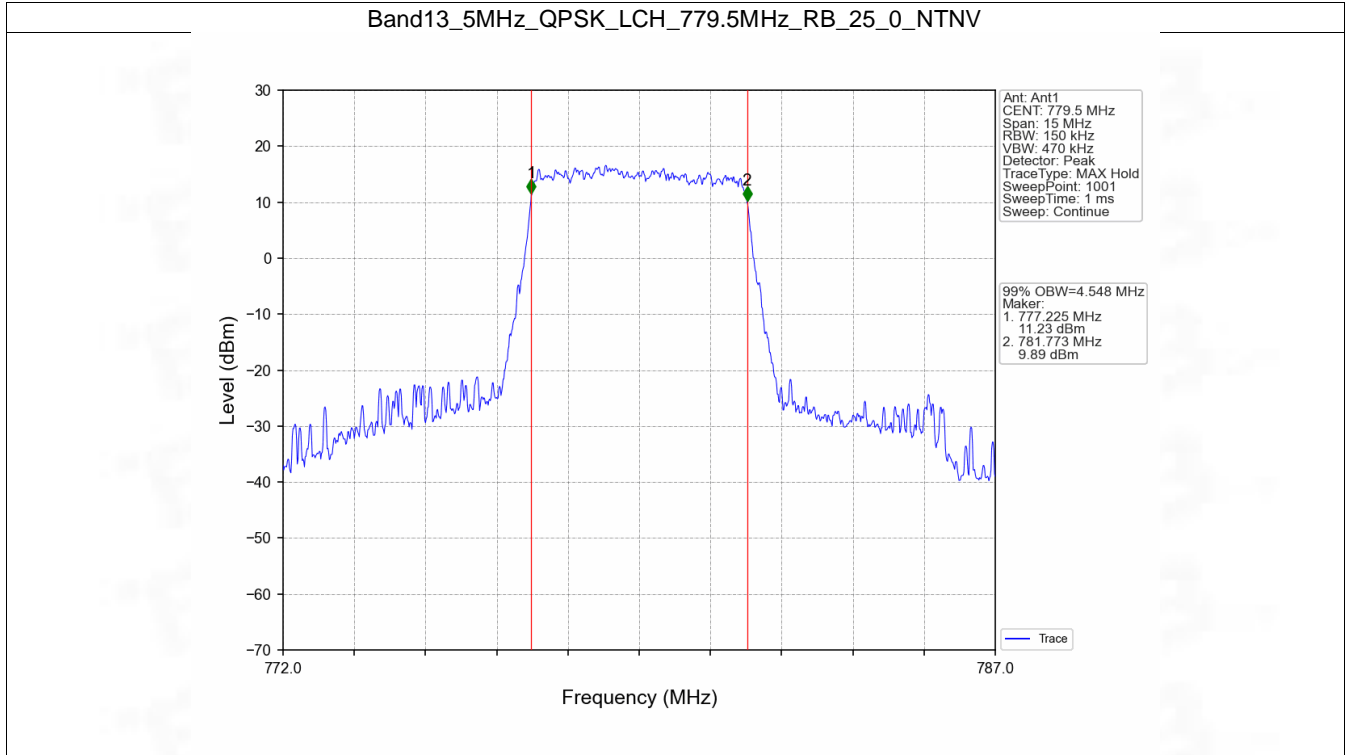
4.1 Band13\_OBW

4.1.1 Test Result

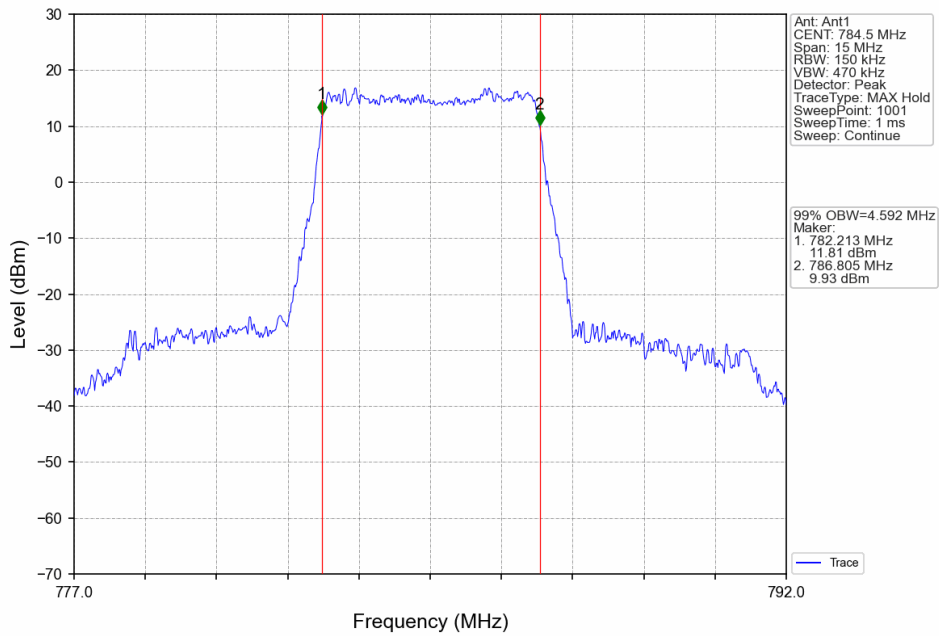
Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	4.548	Pass
		782	25	0	4.570	Pass
		784.5	25	0	4.592	Pass
	16QAM	779.5	25	0	4.576	Pass
		782	25	0	4.588	Pass
		784.5	25	0	4.568	Pass
10	QPSK	782	50	0	9.108	Pass
	16QAM	782	50	0	9.104	Pass



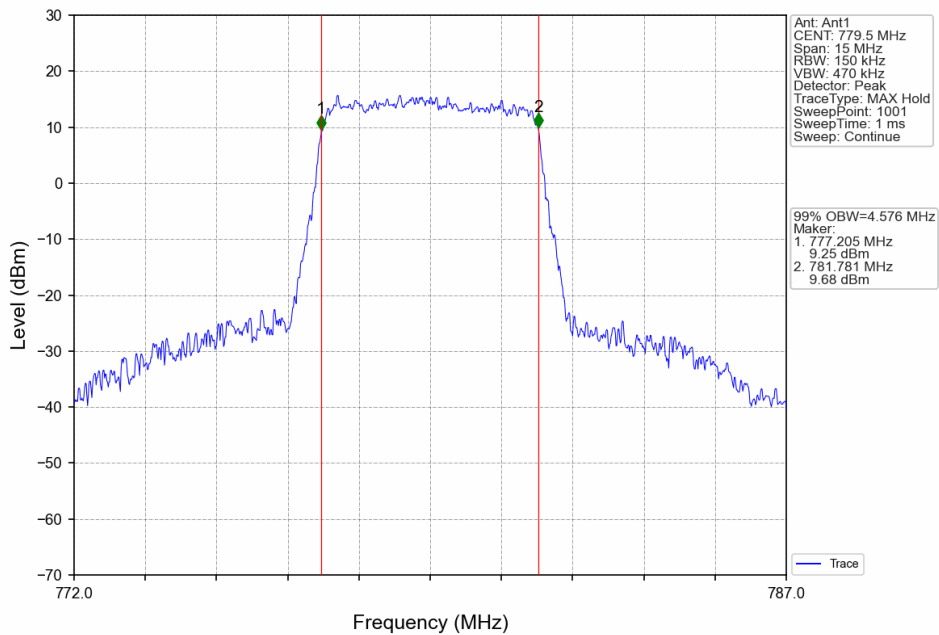
4.1.2 Test Graph



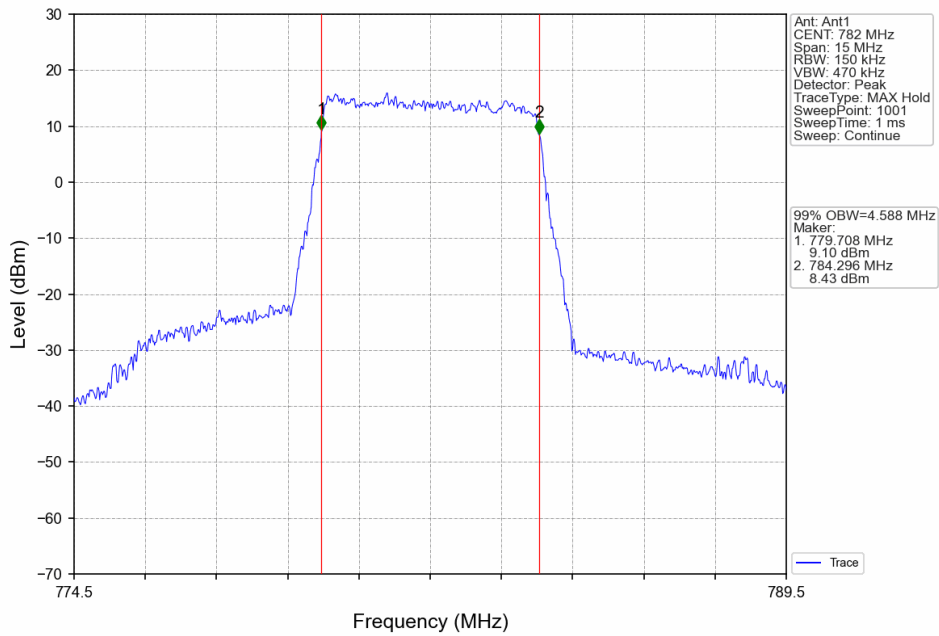
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



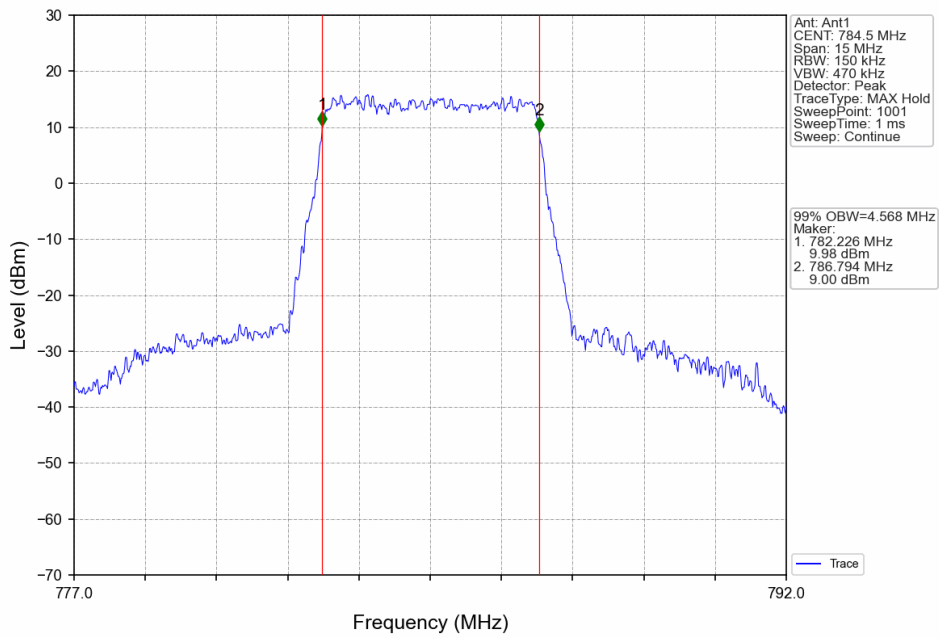
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



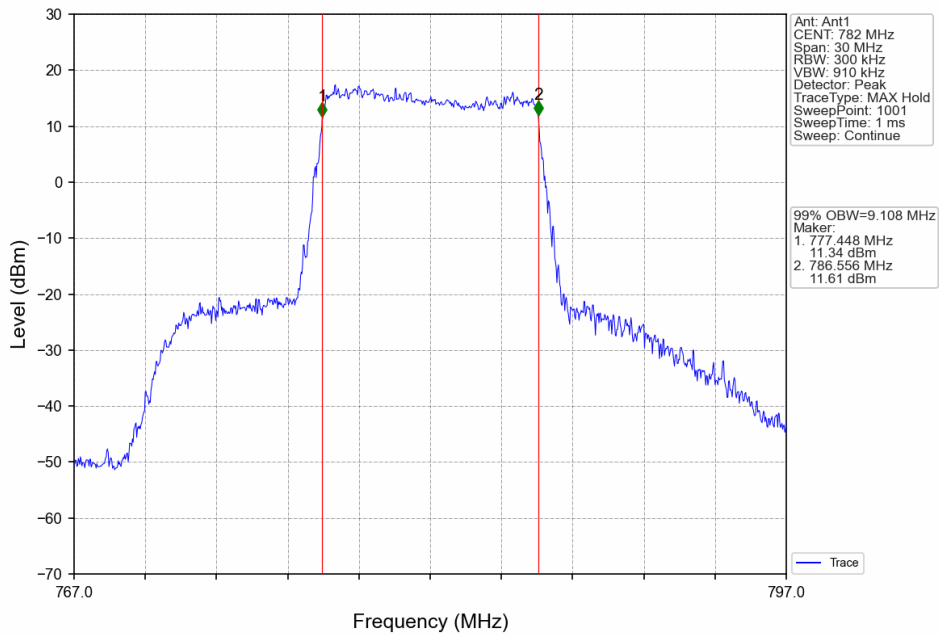
Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_25\_0\_NTNV



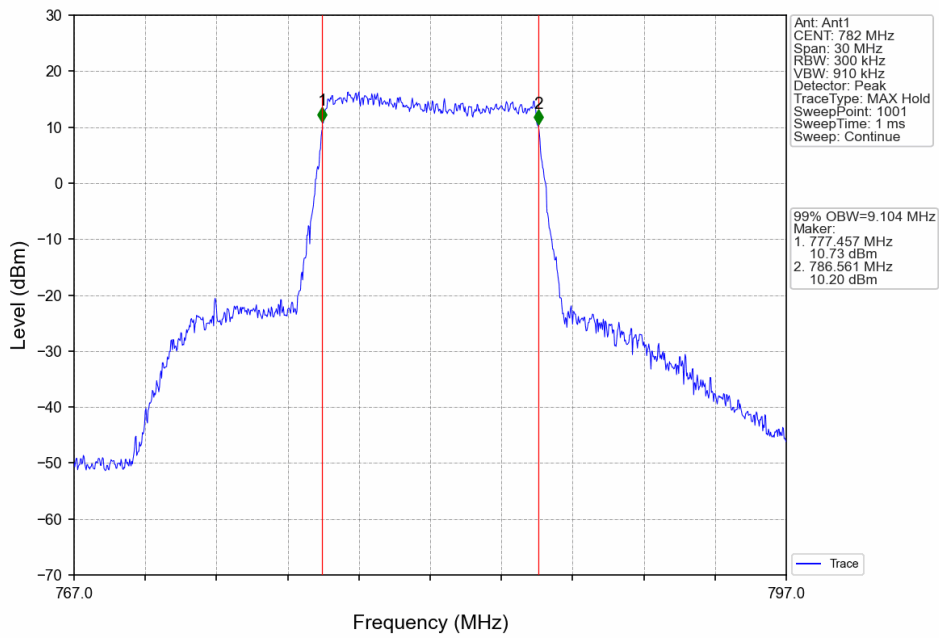
Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_50\_0\_NTNV



Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV

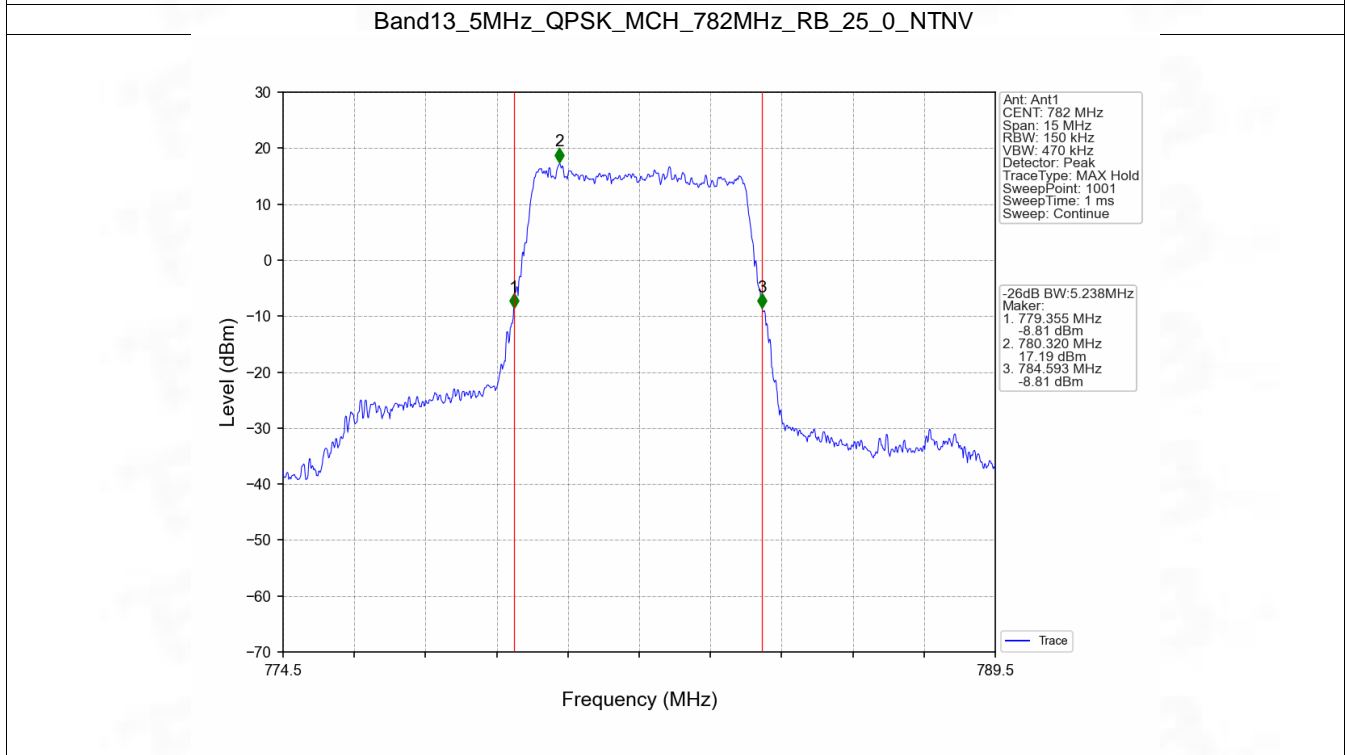
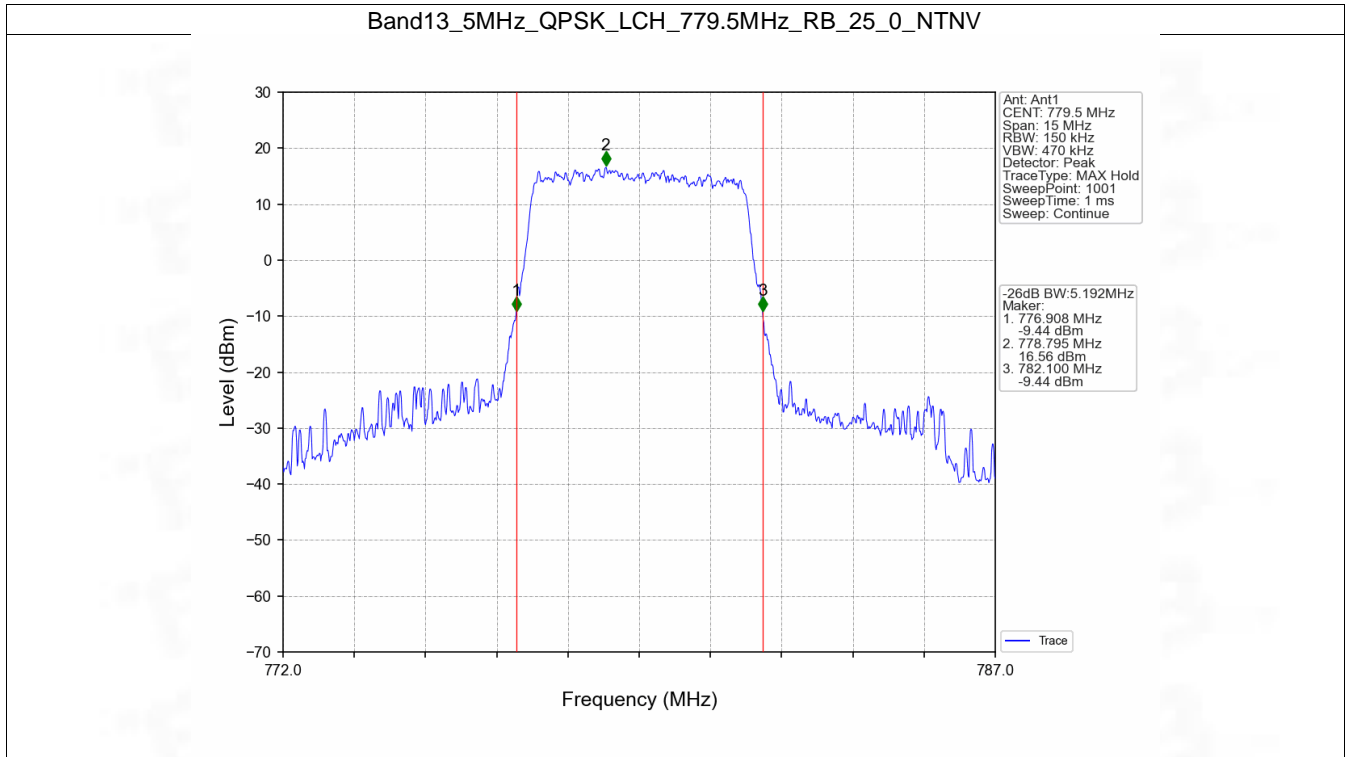


## 4.2 Band13\_XDB

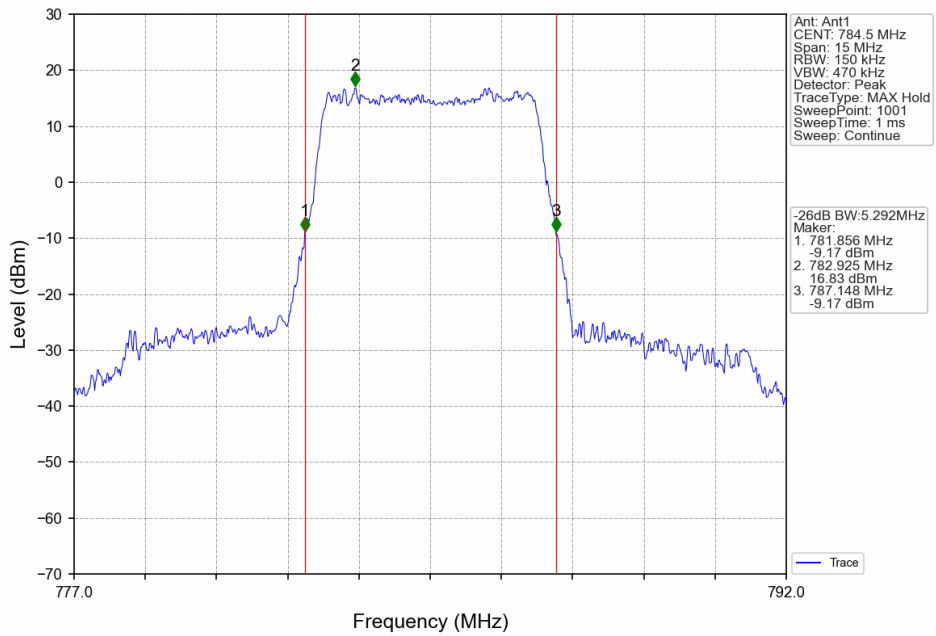
### 4.2.1 Test Result

Band: 13 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	5.192	Pass
		782	25	0	5.238	Pass
		784.5	25	0	5.292	Pass
	16QAM	779.5	25	0	5.242	Pass
		782	25	0	5.270	Pass
		784.5	25	0	5.299	Pass
10	QPSK	782	50	0	10.305	Pass
	16QAM	782	50	0	10.297	Pass

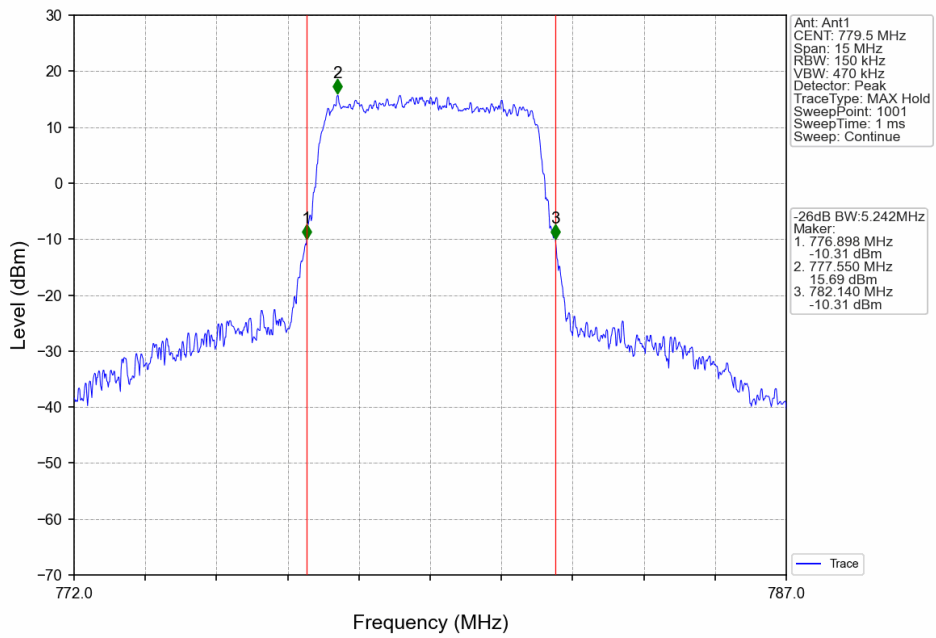
4.2.2 Test Graph



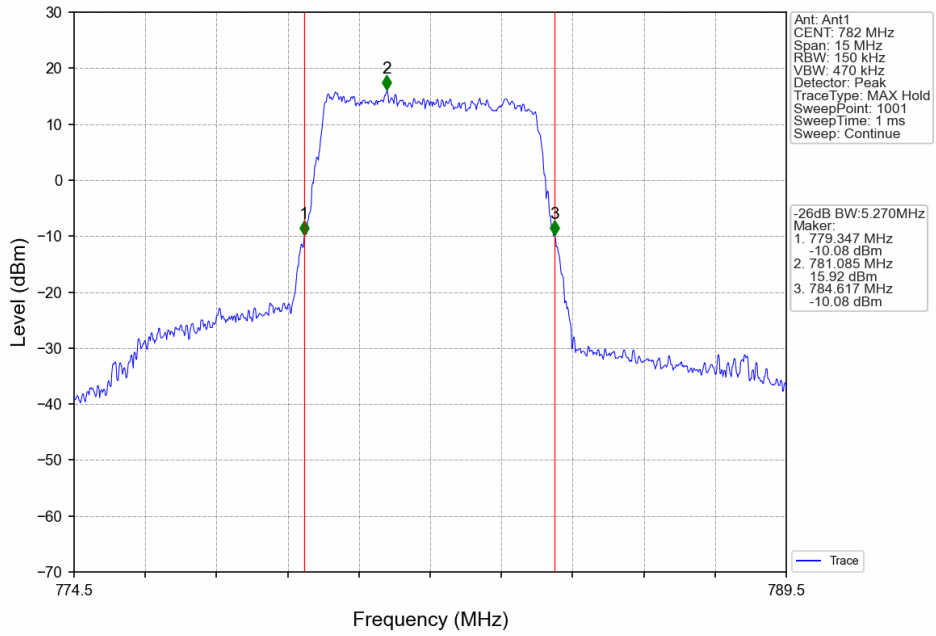
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



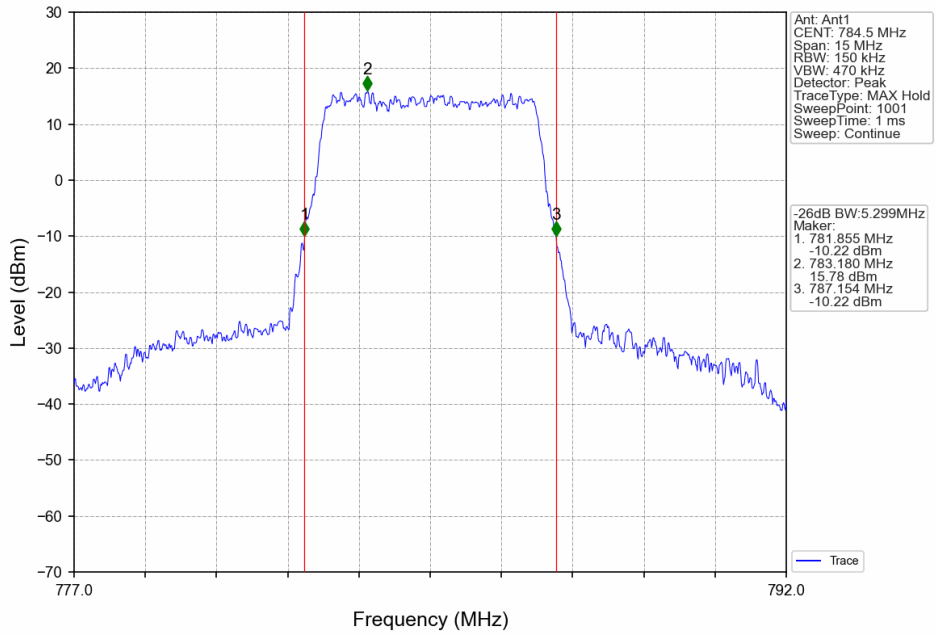
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_25\_0\_NTNV

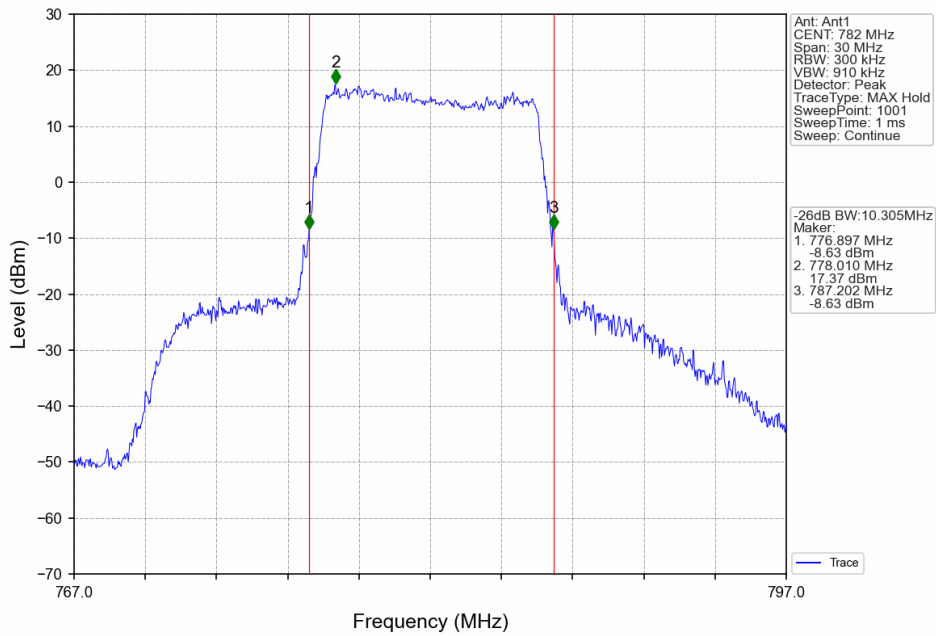


Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV

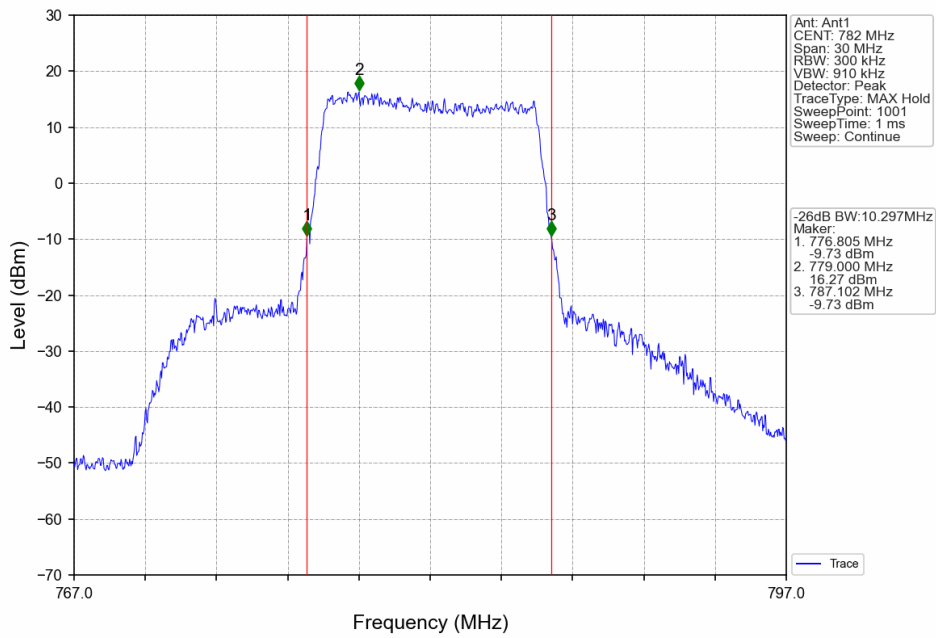




Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_50\_0\_NTNV



Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV



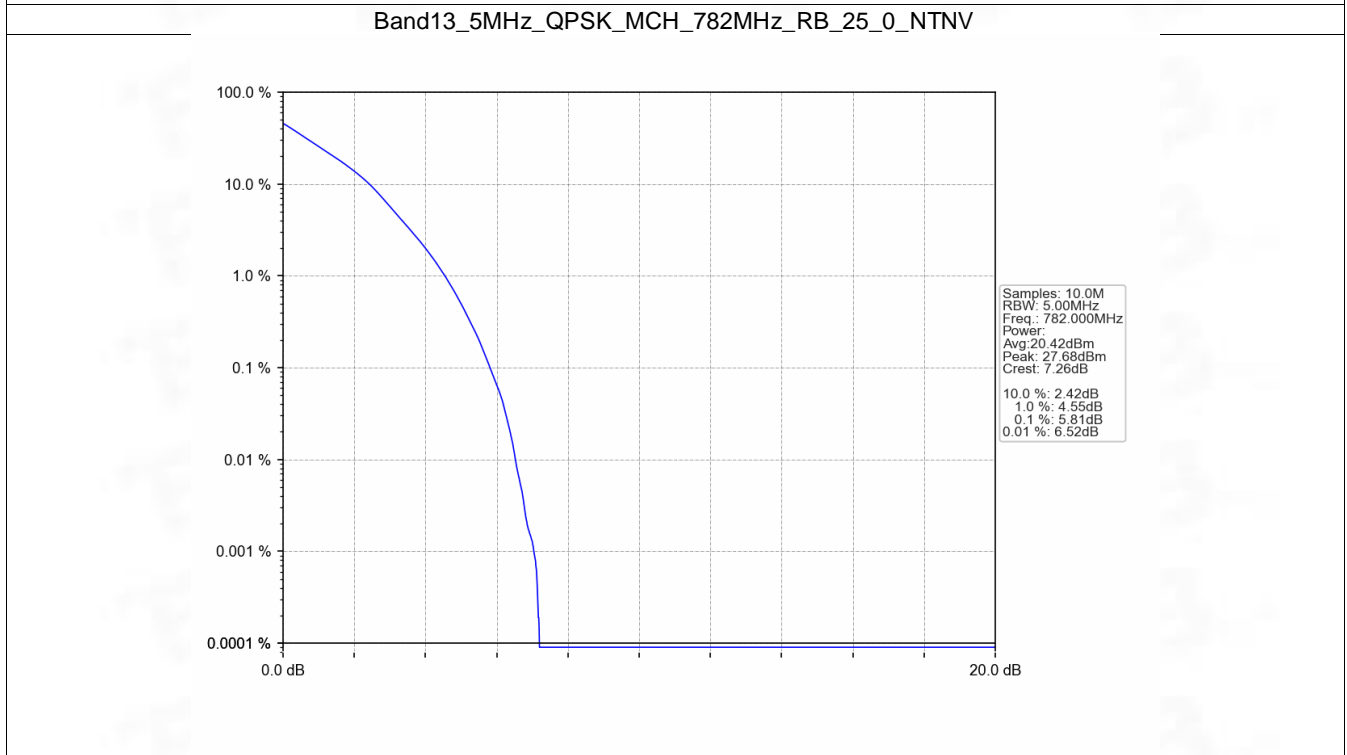
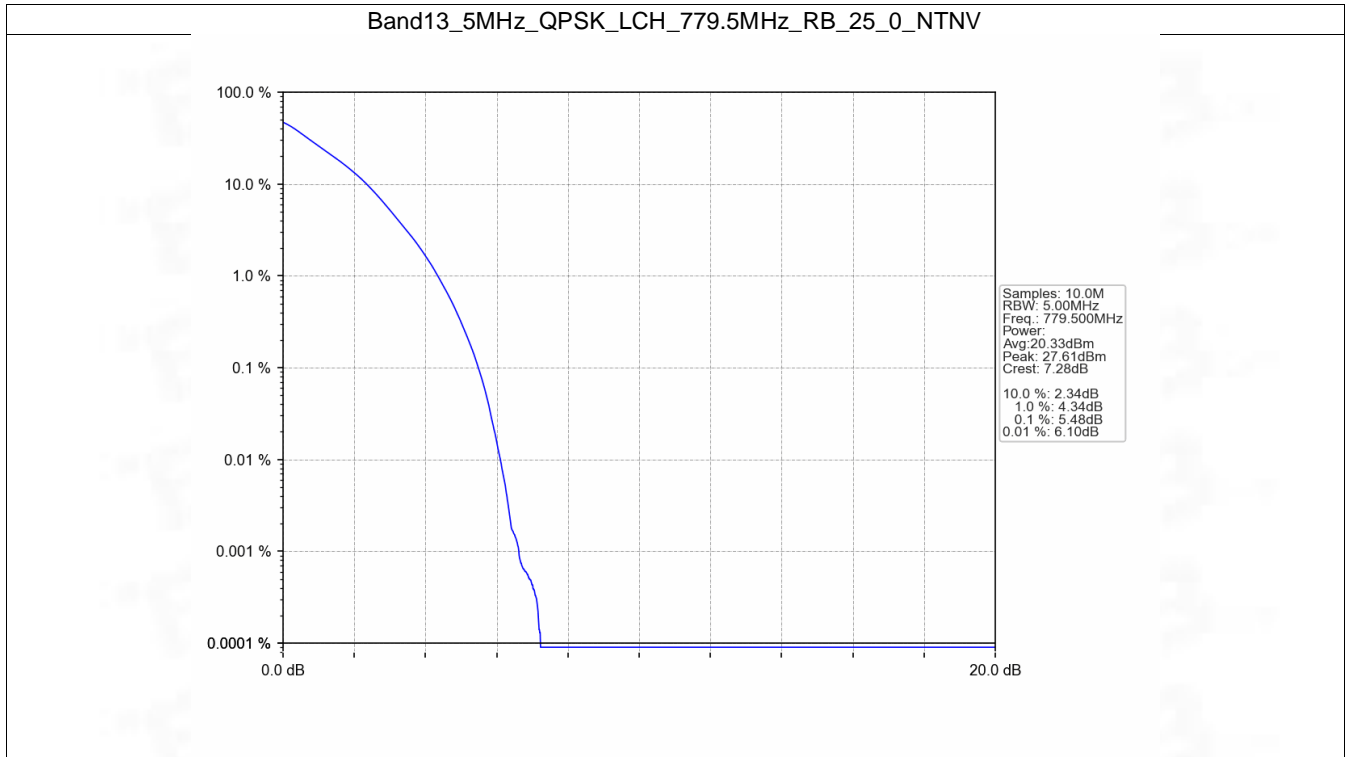
## 5. Peak-Average Ratio

### 5.1 B13\_5MHz

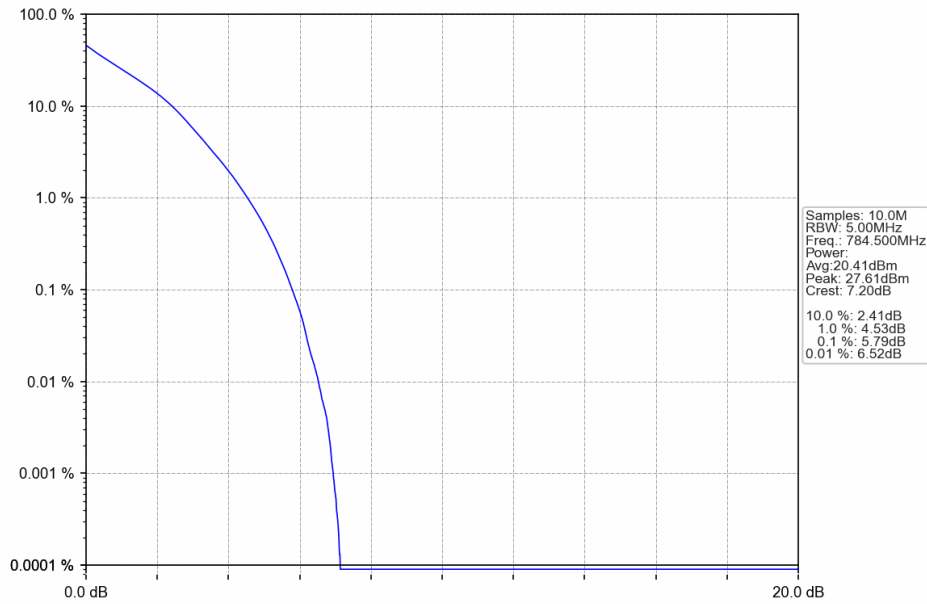
#### 5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.48	<=13	Pass
	782	25	0	5.81	<=13	Pass
	784.5	25	0	5.79	<=13	Pass
16QAM	779.5	25	0	6.18	<=13	Pass
	782	25	0	6.54	<=13	Pass
	784.5	25	0	6.42	<=13	Pass

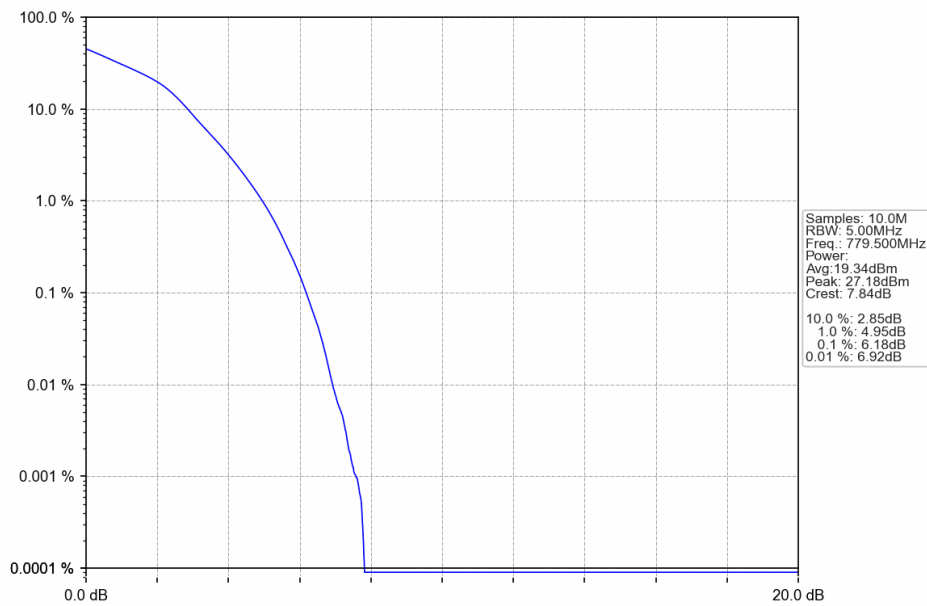
5.1.2 Test Graph



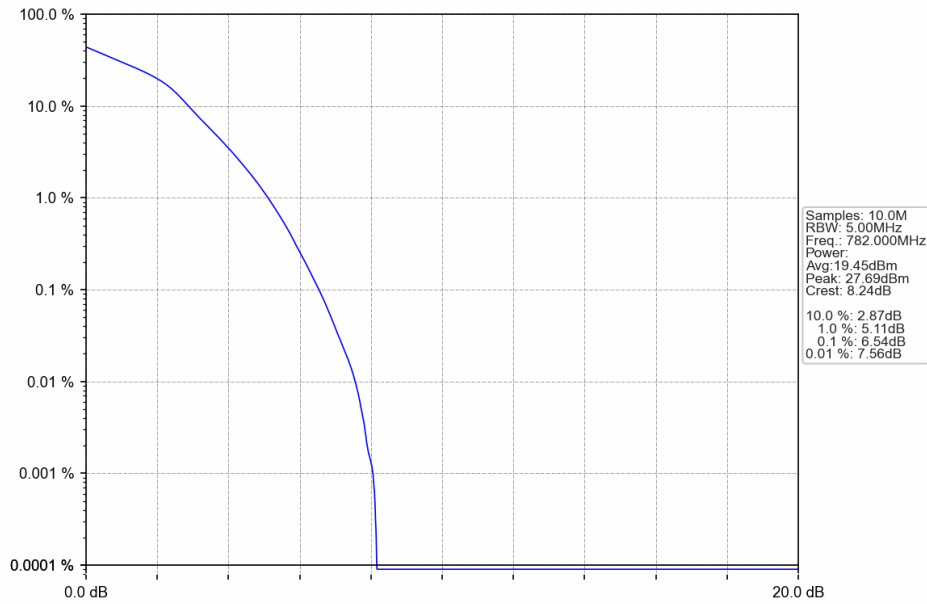
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



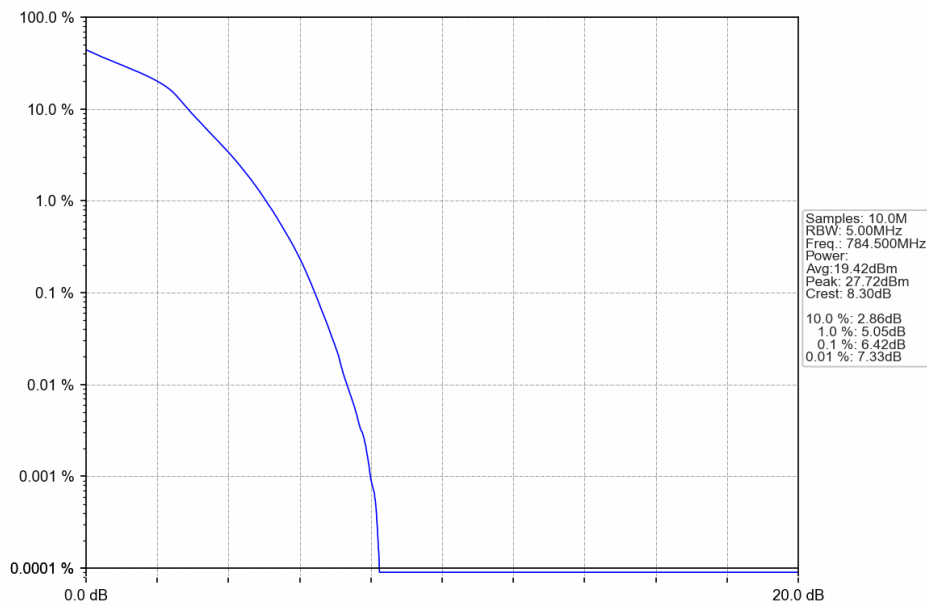
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_25\_0\_NTNV



Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV

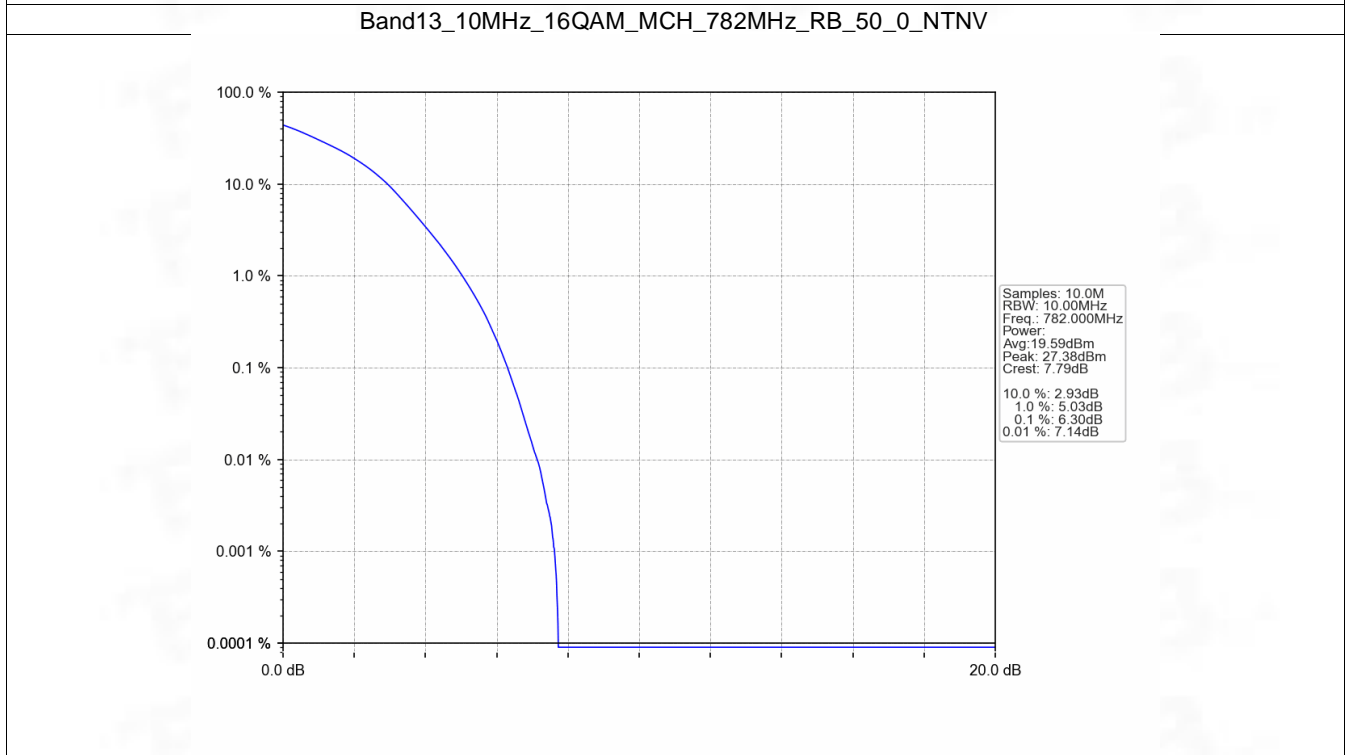
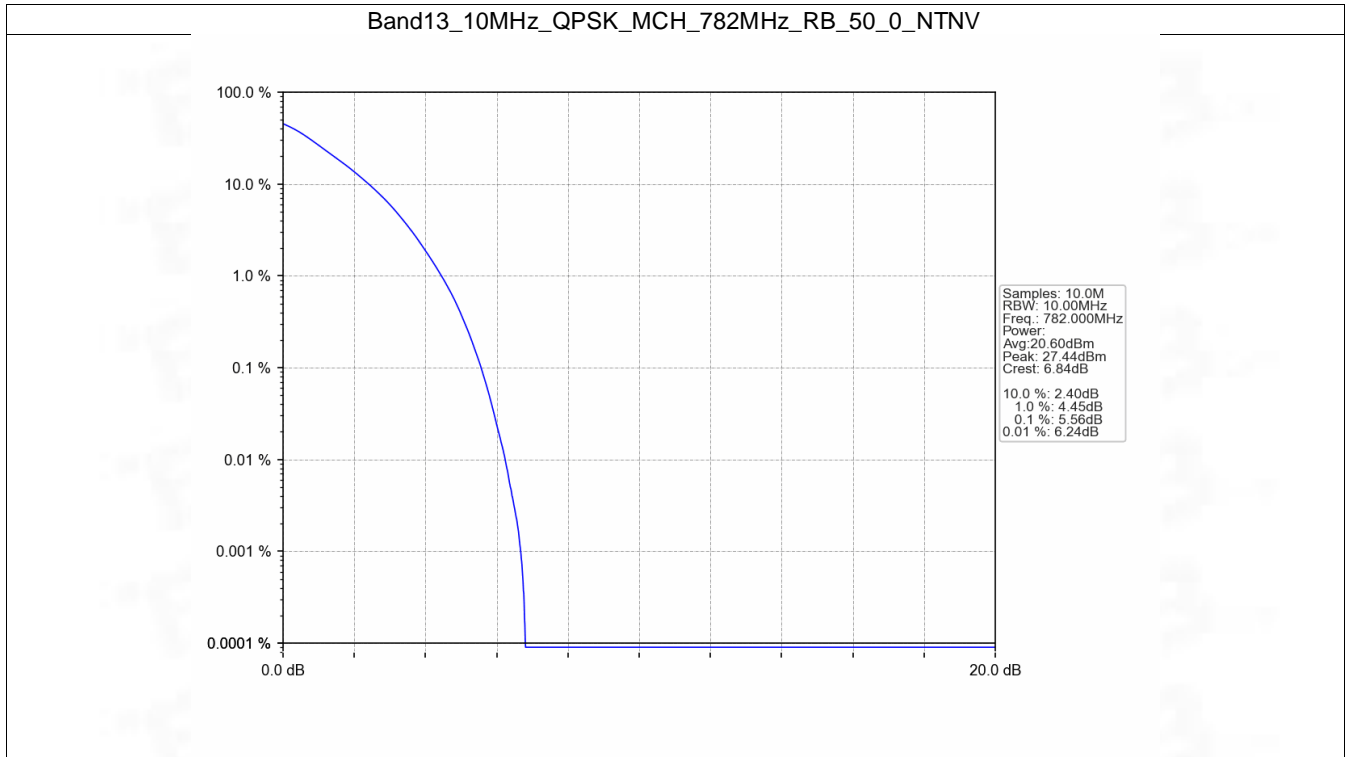


## 5.2 B13\_10MHz

### 5.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.56	<=13	Pass
16QAM	782	50	0	6.30	<=13	Pass

### 5.2.2 Test Graph



## 6. Spurious Emission

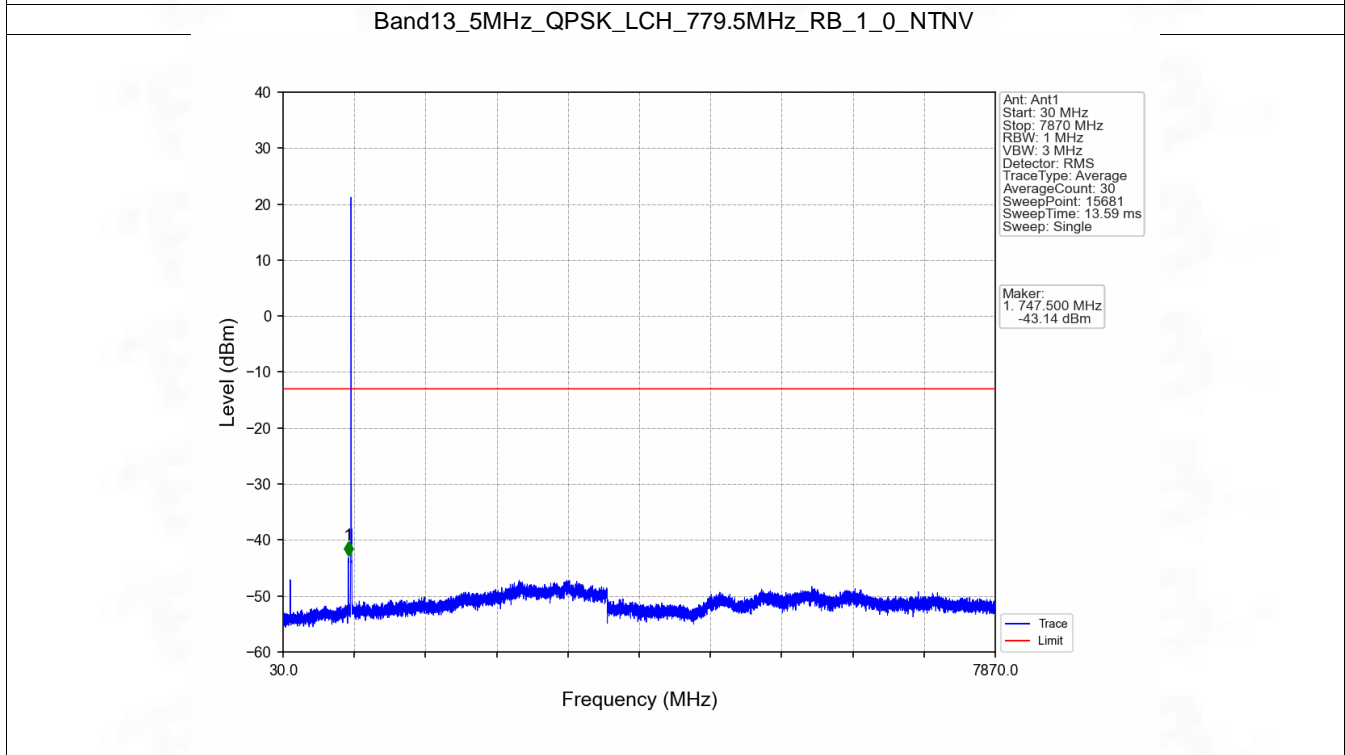
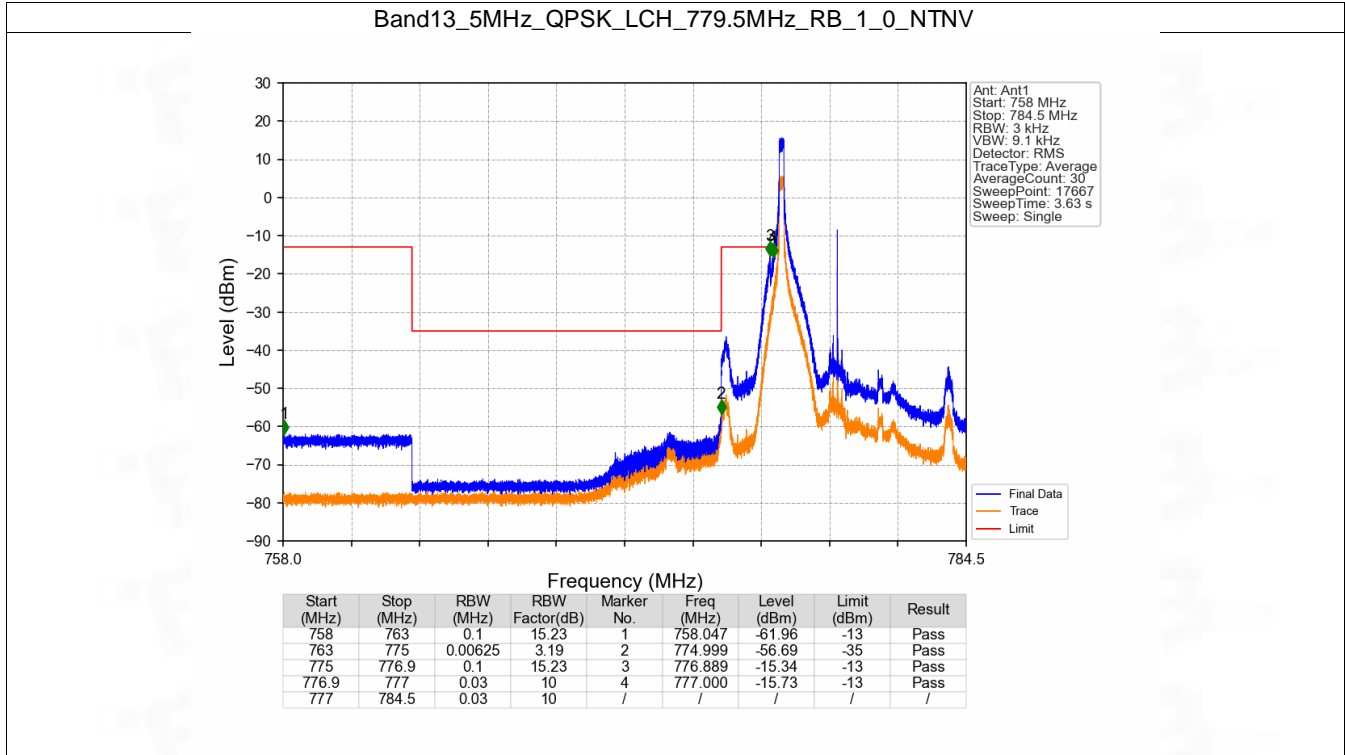
### 6.1 B13\_5MHz

#### 6.1.1 Test Result

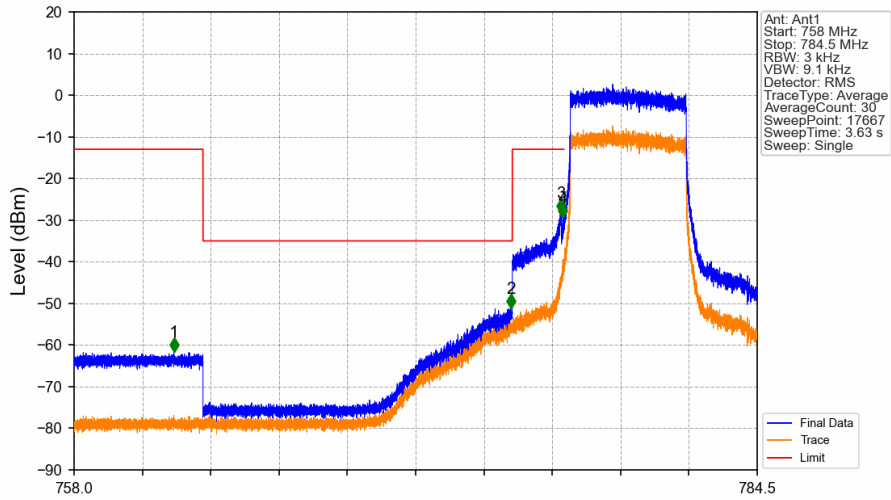
Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
		784.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
16QAM	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
		784.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	



6.1.2 Test Graph

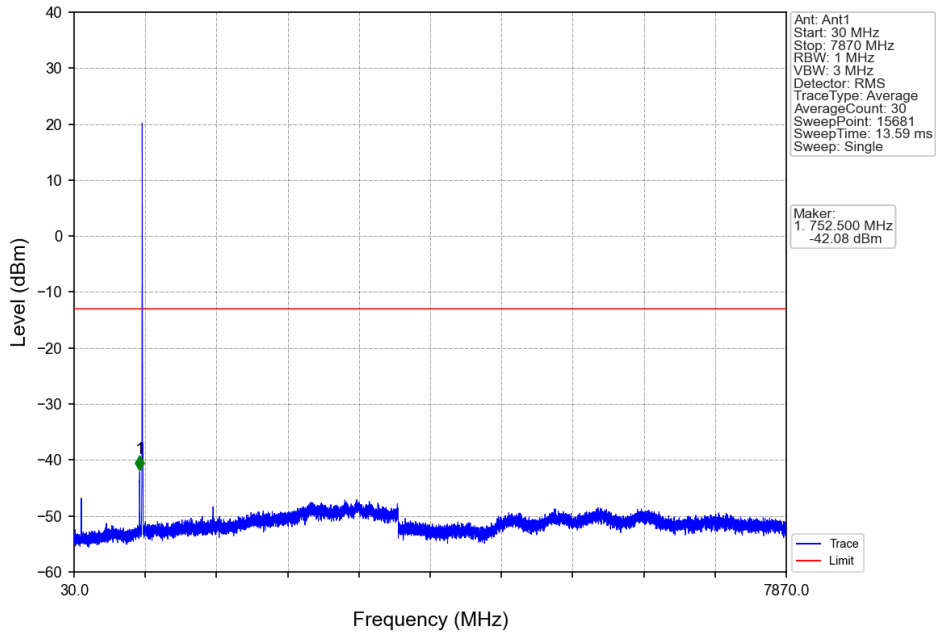


Band13\_5MHz\_QPSK\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	15.23	1	761.872	-61.65	-13	Pass
763	775	0.00625	3.19	2	774.939	-51.18	-35	Pass
775	776.9	0.1	15.23	3	776.887	-28.28	-13	Pass
776.9	777	0.03	10	4	776.958	-29.51	-13	Pass
777	784.5	0.03	10	/	/	/	/	/

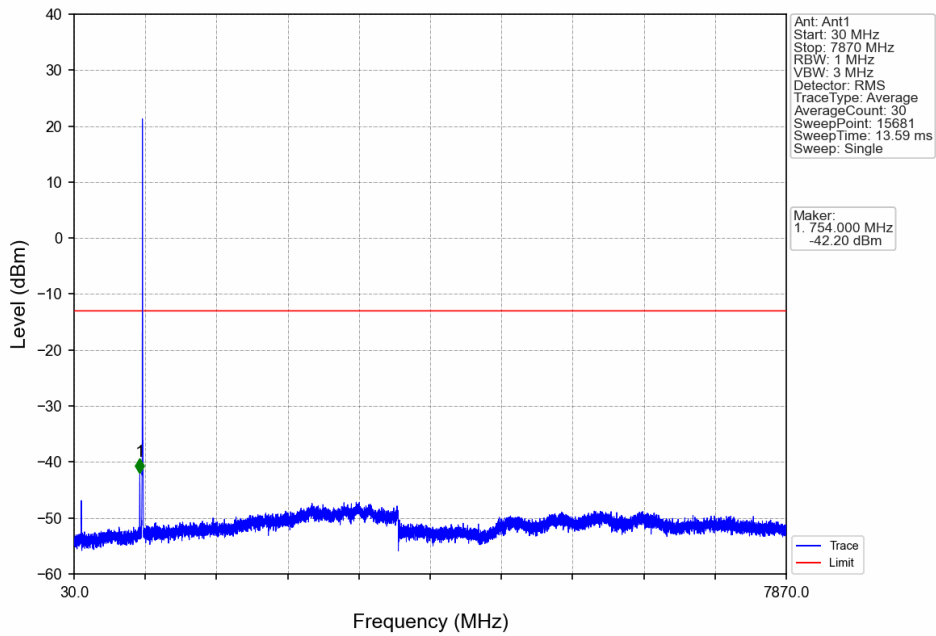
Band13\_5MHz\_QPSK\_MCH\_782MHz\_RB\_1\_0\_NTNV



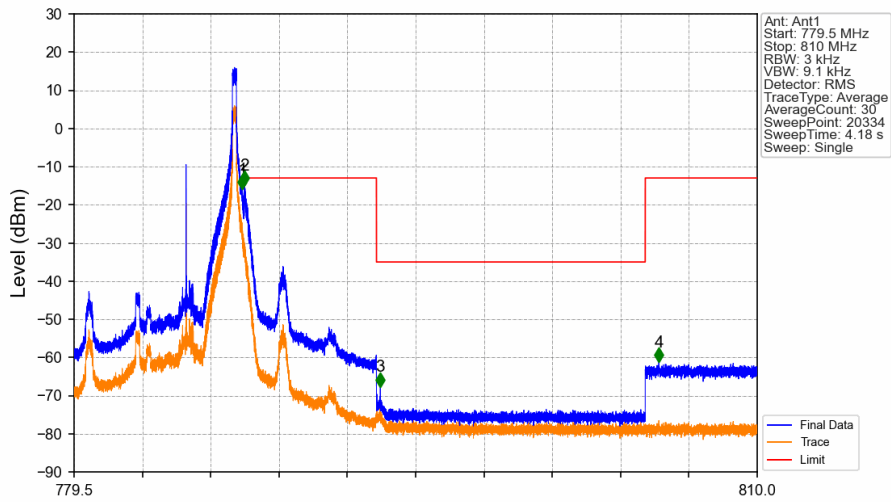
Ant: Ant1  
 Start: 30 MHz  
 Stop: 7870 MHz  
 RBW: 1 MHz  
 VBW: 3 MHz  
 Detector: RMS  
 Trace Type: Average  
 Average Count: 30  
 Sweep Point: 15681  
 Sweep Time: 13.59 ms  
 Sweep: Single

Marker:  
 1. 752.500 MHz  
 -42.08 dBm

Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_1\_0\_NTNV

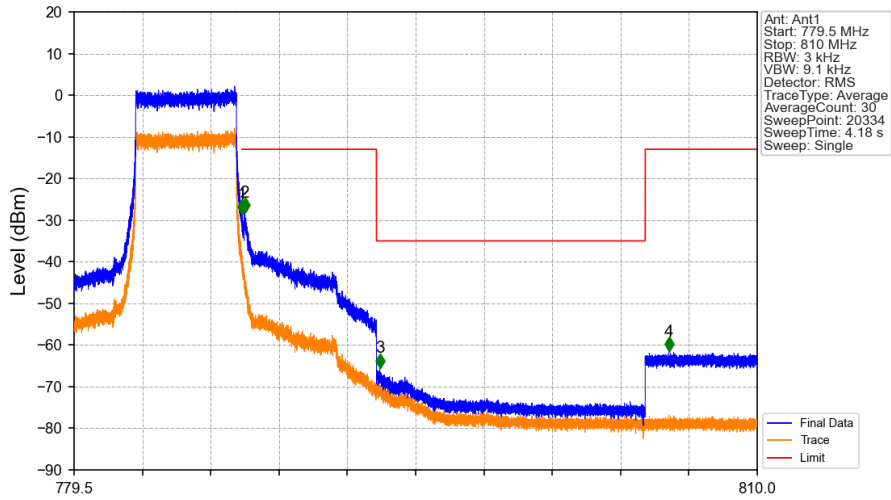


Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_1\_24\_NTNV



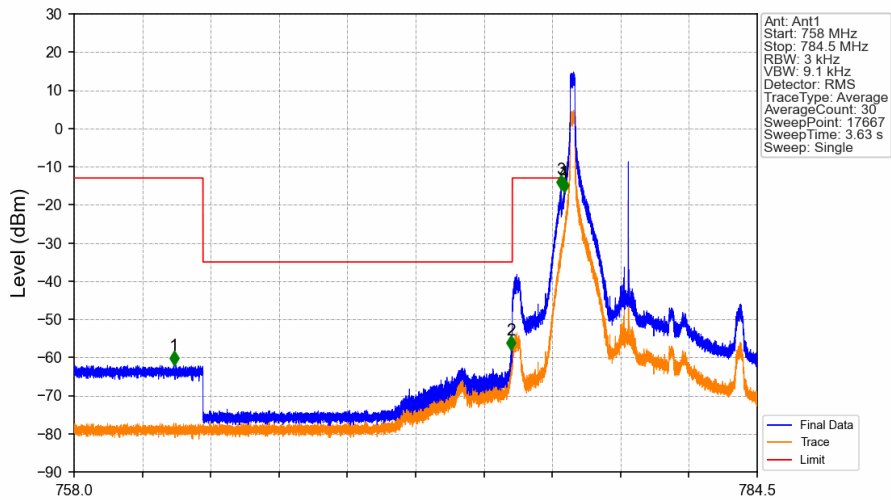
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	1	787.009	-16.00	-13	Pass
787.1	793	0.1	15.23	2	787.108	-14.84	-13	Pass
793	805	0.00625	3.19	3	793.173	-67.70	-35	Pass
805	810	0.1	15.23	4	805.608	-61.28	-13	Pass

Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



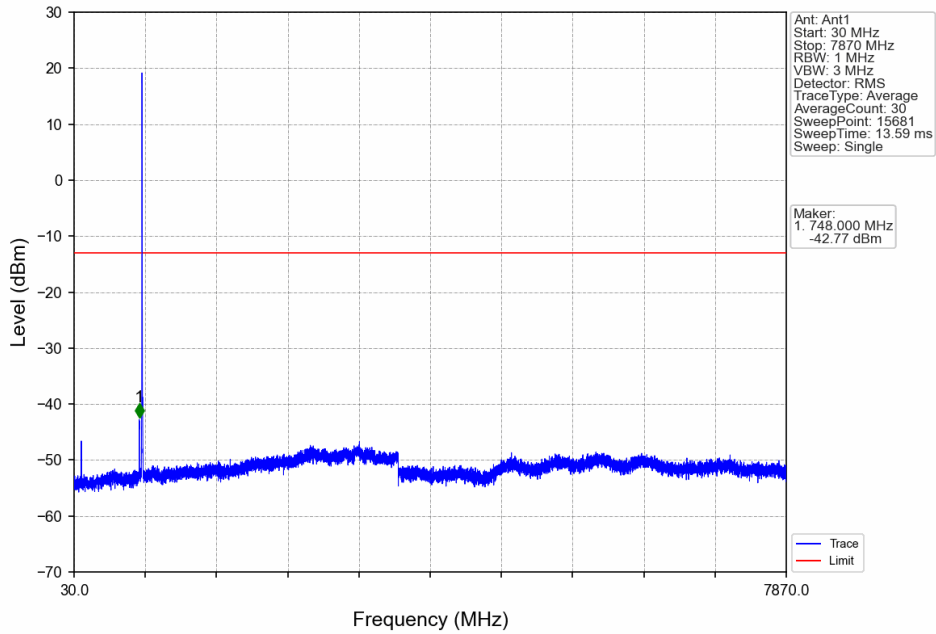
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	1	787.000	-28.48	-13	Pass
787.1	793	0.1	15.23	2	787.126	-28.12	-13	Pass
793	805	0.00625	3.19	3	793.149	-65.49	-35	Pass
805	810	0.1	15.23	4	806.055	-61.54	-13	Pass

Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_1\_0\_NTNV

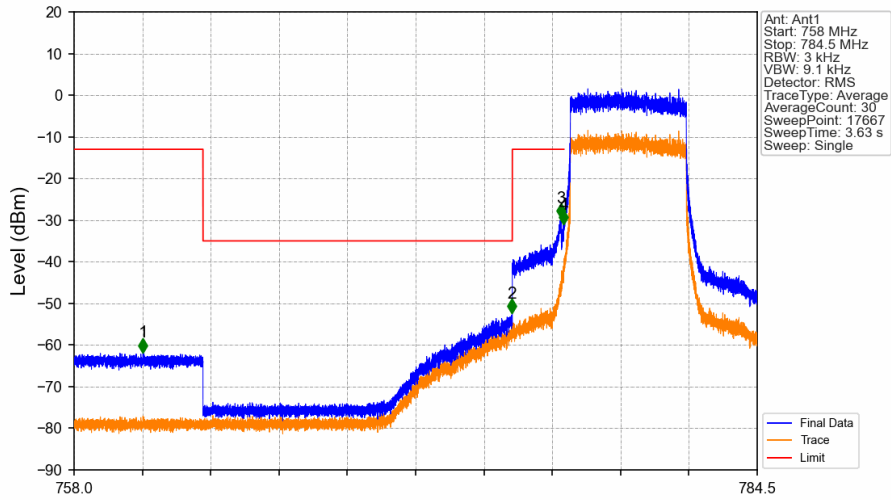


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	15.23	1	761.875	-62.03	-13	Pass
763	775	0.00625	3.19	2	774.958	-57.98	-35	Pass
775	776.9	0.1	15.23	3	776.893	-15.98	-13	Pass
776.9	777	0.03	10	4	777.000	-16.85	-13	Pass
777	784.5	0.03	10	/	/	/	/	/

Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_1\_0\_NTNV

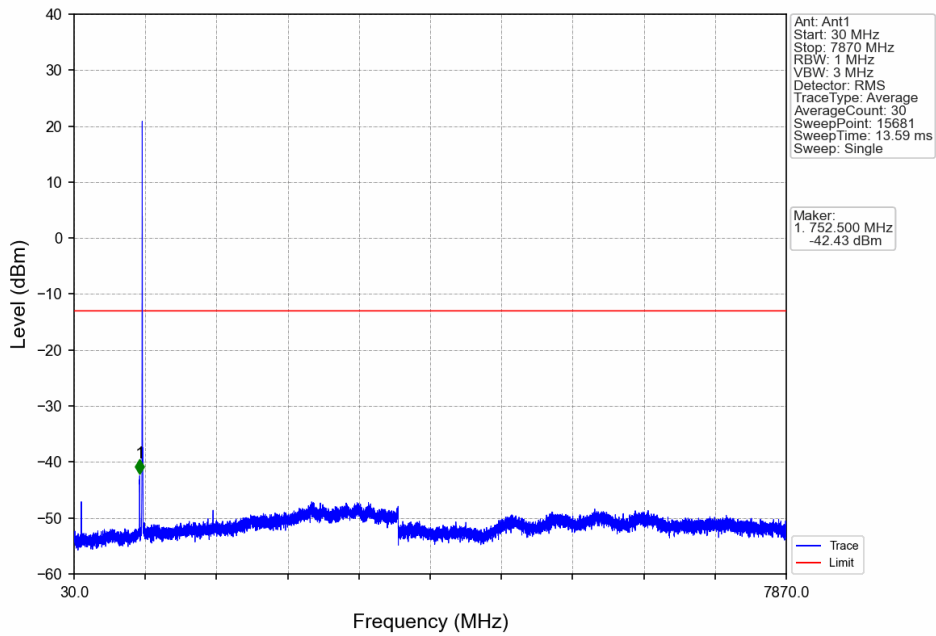


Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV

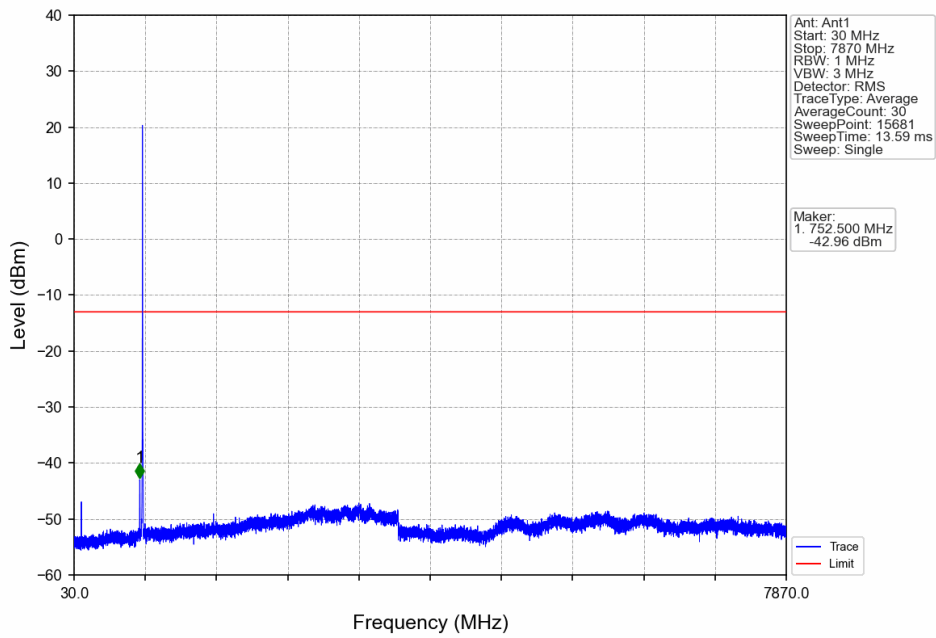


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	15.23	1	760.673	-61.78	-13	Pass
763	775	0.00625	3.19	2	774.993	-52.33	-35	Pass
775	776.9	0.1	15.23	3	776.892	-29.41	-13	Pass
776.9	777	0.03	10	4	776.991	-30.96	-13	Pass
777	784.5	0.03	10	/	/	/	/	/

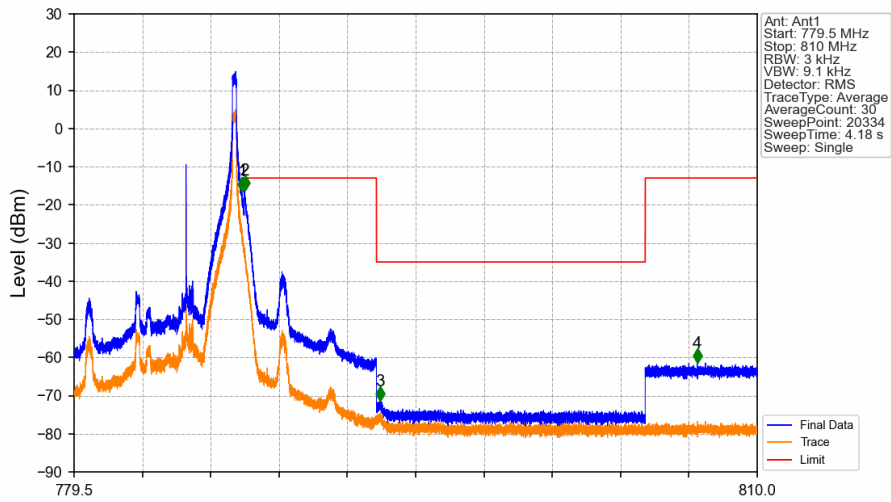
Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_1\_0\_NTNV

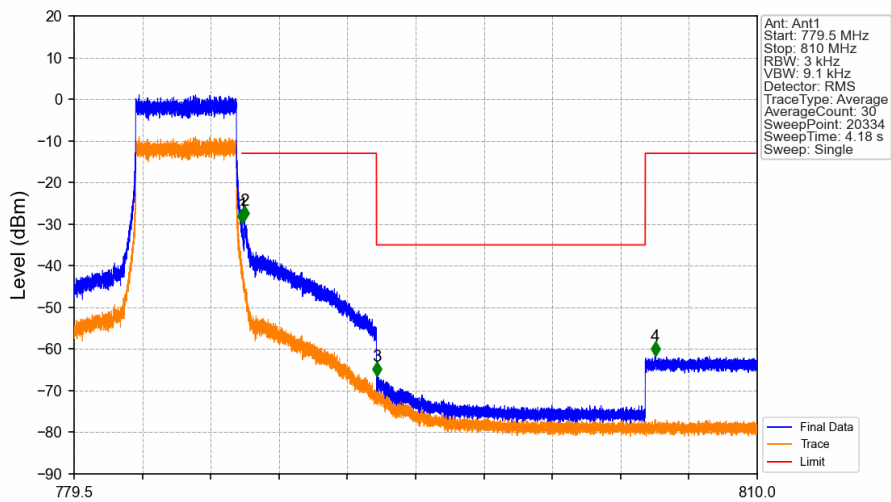


Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	1	787.002	-16.47	-13	Pass
787.1	793	0.1	15.23	2	787.128	-16.15	-13	Pass
793	805	0.00625	3.19	3	793.177	-71.34	-35	Pass
805	810	0.1	15.23	4	807.324	-61.47	-13	Pass

Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	1	787.012	-29.94	-13	Pass
787.1	793	0.1	15.23	2	787.122	-29.07	-13	Pass
793	805	0.00625	3.19	3	793.023	-66.46	-35	Pass
805	810	0.1	15.23	4	805.440	-61.70	-13	Pass

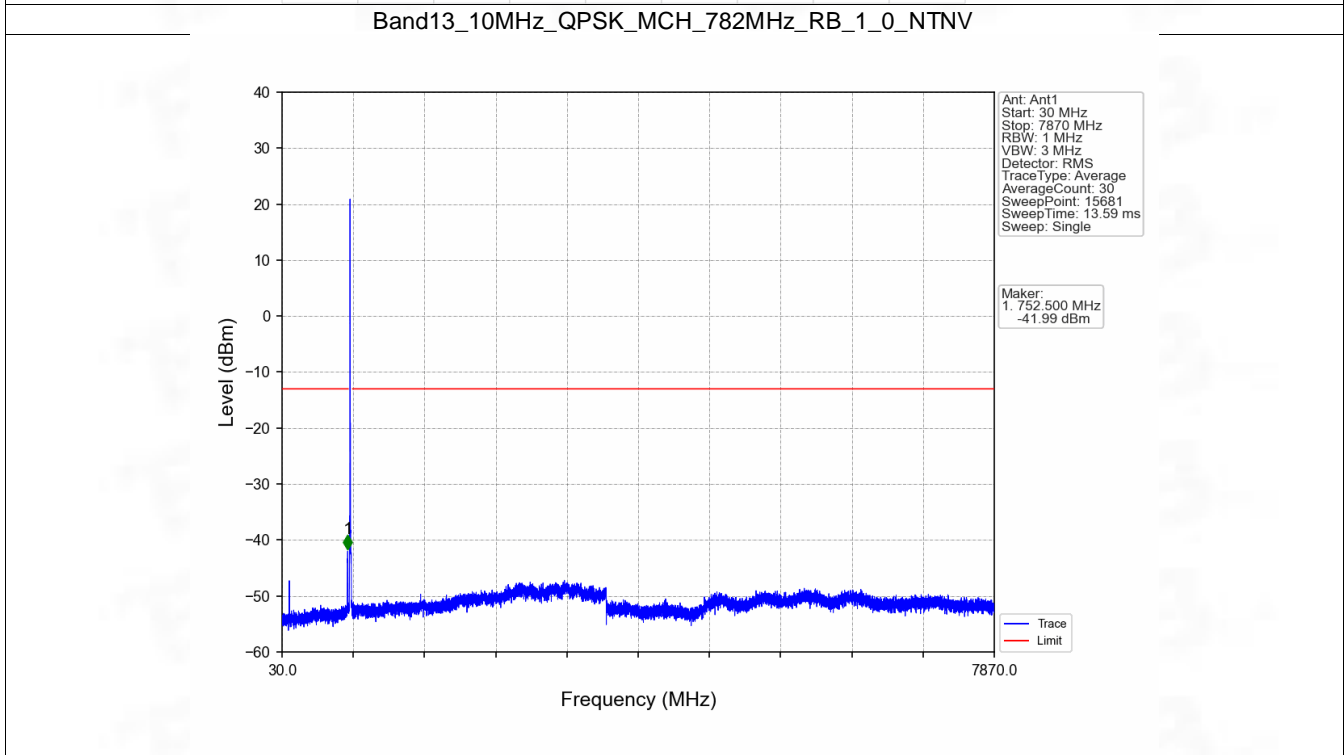
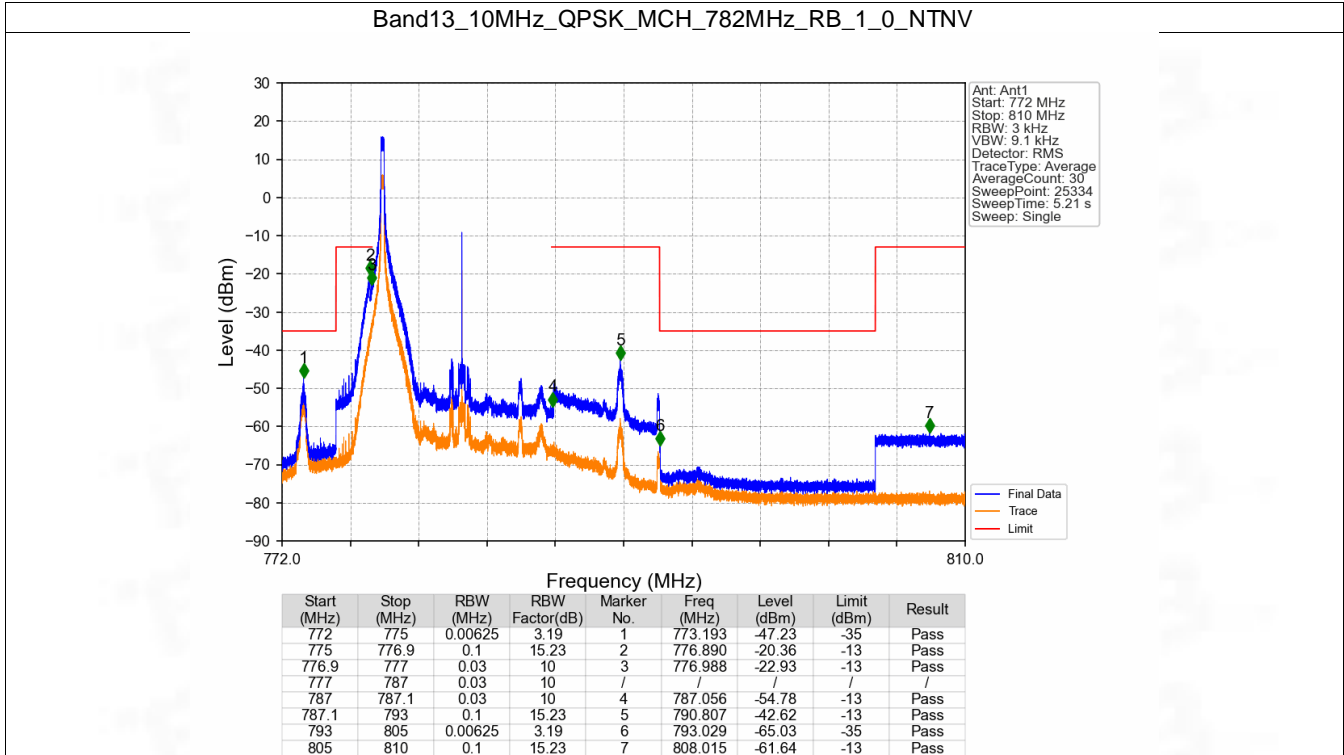
6.2 B13\_10MHz

6.2.1 Test Result

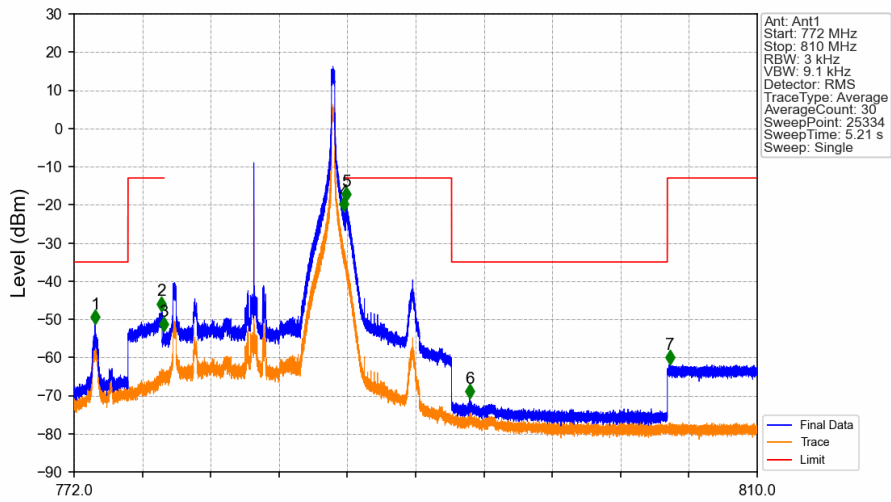
Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	782	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



6.2.2 Test Graph

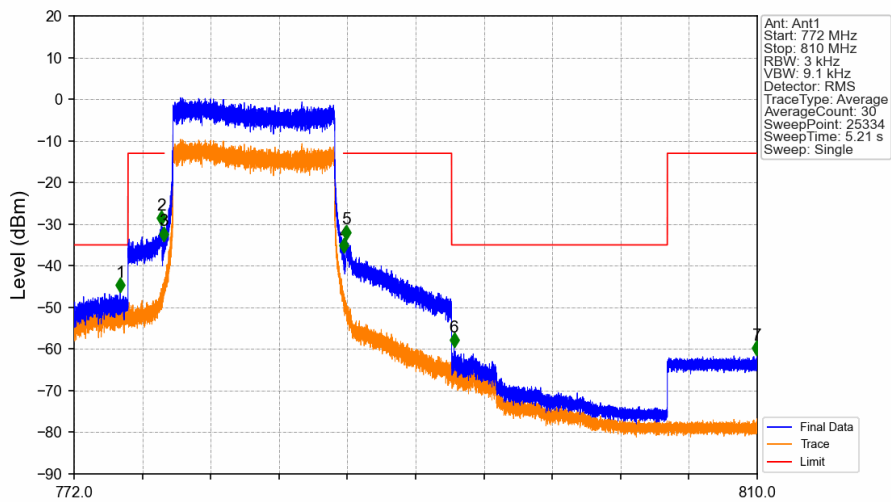


Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_1\_49\_NTNV



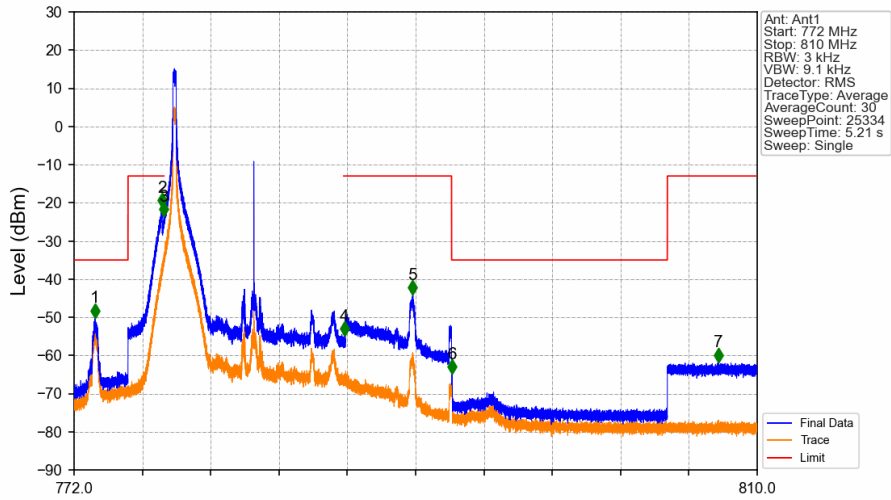
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	3.19	1	773.179	-51.22	-35	Pass
775	776.9	0.1	15.23	2	776.868	-47.80	-13	Pass
776.9	777	0.03	10	3	776.973	-53.23	-13	Pass
777	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	4	787.011	-21.67	-13	Pass
787.1	793	0.1	15.23	5	787.125	-19.08	-13	Pass
793	805	0.00625	3.19	6	794.001	-70.71	-35	Pass
805	810	0.1	15.23	7	805.140	-61.85	-13	Pass

Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_50\_0\_NTNV



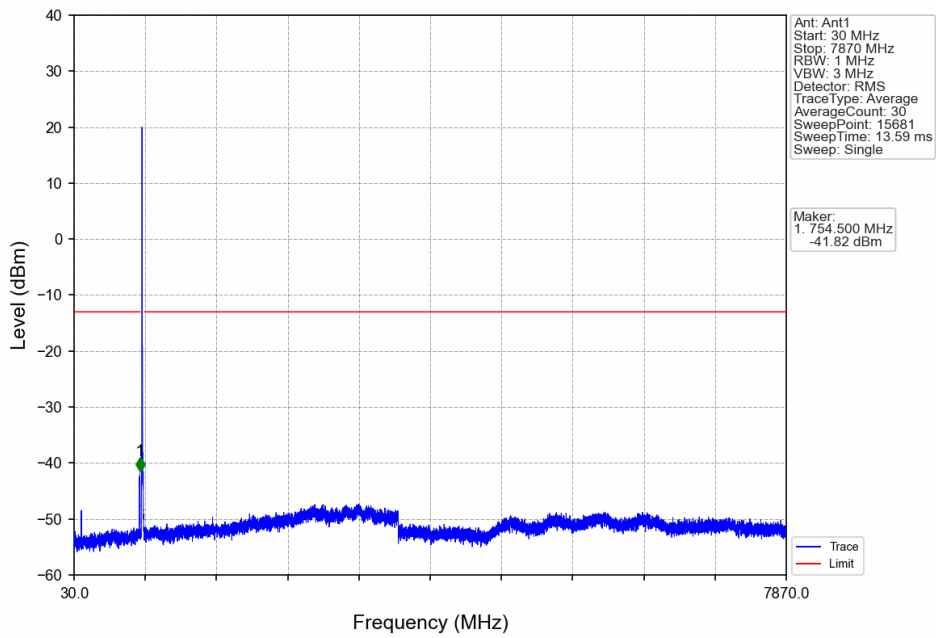
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	3.19	1	774.567	-46.40	-35	Pass
775	776.9	0.1	15.23	2	776.857	-30.20	-13	Pass
776.9	777	0.03	10	3	776.997	-34.03	-13	Pass
777	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	4	787.021	-36.91	-13	Pass
787.1	793	0.1	15.23	5	787.135	-33.66	-13	Pass
793	805	0.00625	3.19	6	793.134	-59.60	-35	Pass
805	810	0.1	15.23	7	809.977	-61.53	-13	Pass

Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	3.19	1	773.166	-50.12	-35	Pass
775	776.9	0.1	15.23	2	776.899	-21.28	-13	Pass
776.9	777	0.03	10	3	776.997	-23.64	-13	Pass
777	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	4	787.035	-54.81	-13	Pass
787.1	793	0.1	15.23	5	790.834	-44.02	-13	Pass
793	805	0.00625	3.19	6	793.020	-64.75	-35	Pass
805	810	0.1	15.23	7	807.837	-61.74	-13	Pass

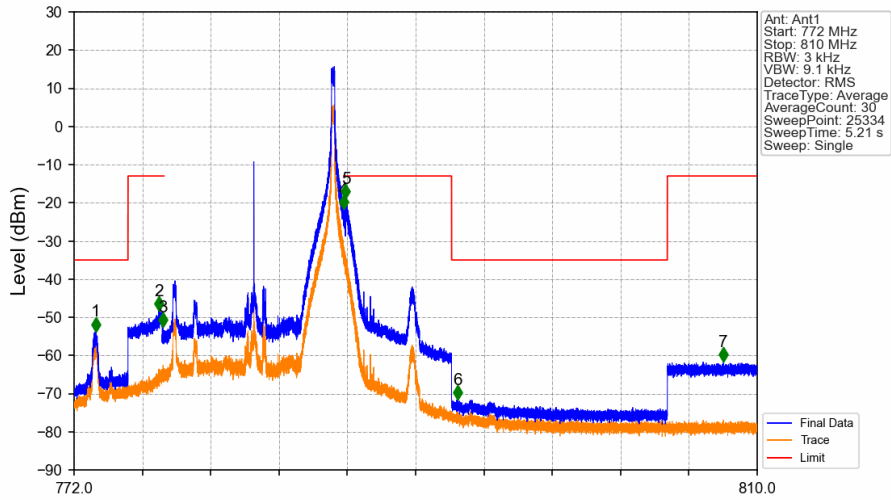
Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



Ant: Ant1  
 Start: 30 MHz  
 Stop: 7870 MHz  
 RBW: 1 MHz  
 VBW: 3 MHz  
 Detector: RMS  
 Trace Type: Average  
 Average Count: 30  
 Sweep Point: 15681  
 Sweep Time: 13.59 ms  
 Sweep: Single

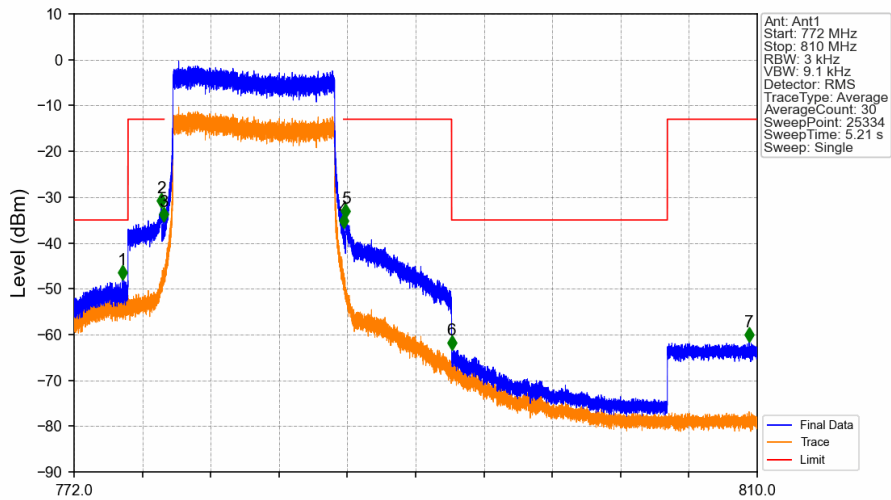
Marker:  
 1. 754.500 MHz  
 -41.82 dBm

Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	3.19	1	773.212	-53.71	-35	Pass
775	776.9	0.1	15.23	2	776.715	-48.33	-13	Pass
776.9	777	0.03	10	3	776.953	-52.55	-13	Pass
777	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	4	787.002	-21.66	-13	Pass
787.1	793	0.1	15.23	5	787.114	-18.87	-13	Pass
793	805	0.00625	3.19	6	793.338	-71.65	-35	Pass
805	810	0.1	15.23	7	808.122	-61.66	-13	Pass

Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	3.19	1	774.687	-48.00	-35	Pass
775	776.9	0.1	15.23	2	776.857	-32.34	-13	Pass
776.9	777	0.03	10	3	776.970	-35.41	-13	Pass
777	787	0.03	10	/	/	/	/	/
787	787.1	0.03	10	4	787.003	-36.72	-13	Pass
787.1	793	0.1	15.23	5	787.113	-34.58	-13	Pass
793	805	0.00625	3.19	6	793.000	-63.40	-35	Pass
805	810	0.1	15.23	7	809.548	-61.59	-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)
13	5	779.5	784.5	0.1858	0.0196	ppm	4M59G7D	27F	22.69
13	5	779.5	784.5	0.1521	0.0157	ppm	4M59W7D	27F	21.82
13	10	782	782	0.1875	0.0565	ppm	9M11G7D	27F	22.73
13	10	782	782	0.1722	0.0147	ppm	9M10W7D	27F	22.36

### 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)
13	5	779.5	784.5	0.1247	0.0196	ppm	4M59G7D	27F	20.96
13	5	779.5	784.5	0.1021	0.0157	ppm	4M59W7D	27F	20.09
13	10	782	782	0.1259	0.0565	ppm	9M11G7D	27F	21.00
13	10	782	782	0.1156	0.0147	ppm	9M10W7D	27F	20.63