

# 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	23.81	-4.30	17.36	<=34.77	Pass		
			13	23.93	-4.30	17.48	<=34.77	Pass		
			24	23.83	-4.30	17.38	<=34.77	Pass		
		12	0	22.77	-4.30	16.32	<=34.77	Pass		
			6	22.85	-4.30	16.40	<=34.77	Pass		
			13	22.88	-4.30	16.43	<=34.77	Pass		
		25	0	22.81	-4.30	16.36	<=34.77	Pass		
		782	1	0	23.78	-4.30	17.33	<=34.77	Pass	
				13	23.96	-4.30	17.51	<=34.77	Pass	
	24			23.74	-4.30	17.29	<=34.77	Pass		
	12		0	22.76	-4.30	16.31	<=34.77	Pass		
			6	22.86	-4.30	16.41	<=34.77	Pass		
			13	22.79	-4.30	16.34	<=34.77	Pass		
	25	0	22.73	-4.30	16.28	<=34.77	Pass			
	784.5	1	0	23.80	-4.30	17.35	<=34.77	Pass		
			13	23.88	-4.30	17.43	<=34.77	Pass		
			24	23.75	-4.30	17.30	<=34.77	Pass		
		12	0	22.77	-4.30	16.32	<=34.77	Pass		
			6	22.80	-4.30	16.35	<=34.77	Pass		
			13	22.72	-4.30	16.27	<=34.77	Pass		
		25	0	22.73	-4.30	16.28	<=34.77	Pass		
		16QAM	779.5	1	0	22.88	-4.30	16.43	<=34.77	Pass
					13	23.01	-4.30	16.56	<=34.77	Pass
	24				22.85	-4.30	16.40	<=34.77	Pass	
12	0			21.75	-4.30	15.30	<=34.77	Pass		
	6			21.84	-4.30	15.39	<=34.77	Pass		
	13			21.84	-4.30	15.39	<=34.77	Pass		
25	0			21.85	-4.30	15.40	<=34.77	Pass		
782	1			0	23.00	-4.30	16.55	<=34.77	Pass	
				13	23.10	-4.30	16.65	<=34.77	Pass	
			24	22.93	-4.30	16.48	<=34.77	Pass		
	12		0	21.74	-4.30	15.29	<=34.77	Pass		
			6	21.85	-4.30	15.40	<=34.77	Pass		
			13	21.79	-4.30	15.34	<=34.77	Pass		
25	0		21.75	-4.30	15.30	<=34.77	Pass			
784.5	1		0	22.59	-4.30	16.14	<=34.77	Pass		
			13	22.67	-4.30	16.22	<=34.77	Pass		
			24	22.60	-4.30	16.15	<=34.77	Pass		
	12		0	21.72	-4.30	15.27	<=34.77	Pass		
			6	21.79	-4.30	15.34	<=34.77	Pass		
			13	21.68	-4.30	15.23	<=34.77	Pass		
	25		0	21.76	-4.30	15.31	<=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 / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	782	1	0	23.86	-4.30	17.41	<=34.77	Pass		
				23.93	-4.30	17.48	<=34.77	Pass		
				23.85	-4.30	17.40	<=34.77	Pass		
		25	0	22.69	-4.30	16.24	<=34.77	Pass		
				22.82	-4.30	16.37	<=34.77	Pass		
				22.71	-4.30	16.26	<=34.77	Pass		
		50	0	22.74	-4.30	16.29	<=34.77	Pass		
		16QAM	782	1	0	23.33	-4.30	16.88	<=34.77	Pass
						23.29	-4.30	16.84	<=34.77	Pass
23.29	-4.30					16.84	<=34.77	Pass		
25	0			21.72	-4.30	15.27	<=34.77	Pass		
				21.87	-4.30	15.42	<=34.77	Pass		
				21.75	-4.30	15.30	<=34.77	Pass		
50	0			21.73	-4.30	15.28	<=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	-1.431	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0055	-2.5 to 2.5	Pass
					4.43	-2.818	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.691	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-0.830	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.835	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-6.952	-0.0089	-2.5 to 2.5	Pass
	40	3.85	-2.804	-0.0036	-2.5 to 2.5	Pass			
	50	3.85	-3.963	-0.0051	-2.5 to 2.5	Pass			
	782	25	0	20	3.27	-0.515	-0.0007	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0056	-2.5 to 2.5	Pass
					4.43	-5.522	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-4.377	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-3.276	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-5.550	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.718	-0.0035	-2.5 to 2.5	Pass
	40	3.85	-5.865	-0.0075	-2.5 to 2.5	Pass			
	50	3.85	-5.894	-0.0075	-2.5 to 2.5	Pass			
	784.5	25	0	20	3.27	0.043	0.0001	-2.5 to 2.5	Pass
					3.85	-3.476	-0.0044	-2.5 to 2.5	Pass
					4.43	-5.507	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
-10				3.85	0.300	0.0004	-2.5 to 2.5	Pass	

				0	3.85	-3.862	-0.0049	-2.5 to 2.5	Pass			
				10	3.85	0.329	0.0004	-2.5 to 2.5	Pass			
				30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass			
				40	3.85	-3.090	-0.0039	-2.5 to 2.5	Pass			
				50	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass			
16QAM	779.5	25	0	20	3.27	-2.418	-0.0031	-2.5 to 2.5	Pass			
					3.85	-0.601	-0.0008	-2.5 to 2.5	Pass			
					4.43	-3.419	-0.0044	-2.5 to 2.5	Pass			
				-30	3.85	-2.074	-0.0027	-2.5 to 2.5	Pass			
				-20	3.85	-2.632	-0.0034	-2.5 to 2.5	Pass			
				-10	3.85	-2.232	-0.0029	-2.5 to 2.5	Pass			
				0	3.85	0.715	0.0009	-2.5 to 2.5	Pass			
				10	3.85	-1.459	-0.0019	-2.5 to 2.5	Pass			
				30	3.85	-5.965	-0.0077	-2.5 to 2.5	Pass			
				40	3.85	-2.618	-0.0034	-2.5 to 2.5	Pass			
				50	3.85	-1.631	-0.0021	-2.5 to 2.5	Pass			
				782	25	0	20	3.27	-2.017	-0.0026	-2.5 to 2.5	Pass
								3.85	-1.917	-0.0025	-2.5 to 2.5	Pass
								4.43	-1.130	-0.0014	-2.5 to 2.5	Pass
							-30	3.85	-2.203	-0.0028	-2.5 to 2.5	Pass
	-20	3.85	-0.815				-0.0010	-2.5 to 2.5	Pass			
	-10	3.85	0.143				0.0002	-2.5 to 2.5	Pass			
	0	3.85	-1.645				-0.0021	-2.5 to 2.5	Pass			
	10	3.85	1.173				0.0015	-2.5 to 2.5	Pass			
	30	3.85	-1.402				-0.0018	-2.5 to 2.5	Pass			
	40	3.85	-2.904				-0.0037	-2.5 to 2.5	Pass			
	50	3.85	-1.874				-0.0024	-2.5 to 2.5	Pass			
	784.5	25	0				20	3.27	-4.320	-0.0055	-2.5 to 2.5	Pass
								3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
								4.43	-4.263	-0.0054	-2.5 to 2.5	Pass
							-30	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.005	-0.0051	-2.5 to 2.5	Pass			
				-10	3.85	-4.478	-0.0057	-2.5 to 2.5	Pass			
				0	3.85	-4.063	-0.0052	-2.5 to 2.5	Pass			
				10	3.85	-2.203	-0.0028	-2.5 to 2.5	Pass			
30				3.85	0.300	0.0004	-2.5 to 2.5	Pass				
40				3.85	-3.490	-0.0044	-2.5 to 2.5	Pass				
50				3.85	-4.392	-0.0056	-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	-5.078	-0.0065	-2.5 to 2.5	Pass
					3.85	-1.817	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.917	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.189	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-1.731	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-2.904	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-4.964	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.161	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-3.347	-0.0043	-2.5 to 2.5	Pass

16QAM	782	50	0	20	3.27	-1.974	-0.0025	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0041	-2.5 to 2.5	Pass
					4.43	-2.260	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.990	-0.0038	-2.5 to 2.5	Pass
					-20	3.85	-4.907	-0.0063	-2.5 to 2.5
				-10	3.85	-2.432	-0.0031	-2.5 to 2.5	Pass
					0	3.85	-3.920	-0.0050	-2.5 to 2.5
				10	3.85	-2.947	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.862	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-3.176	-0.0041	-2.5 to 2.5	Pass

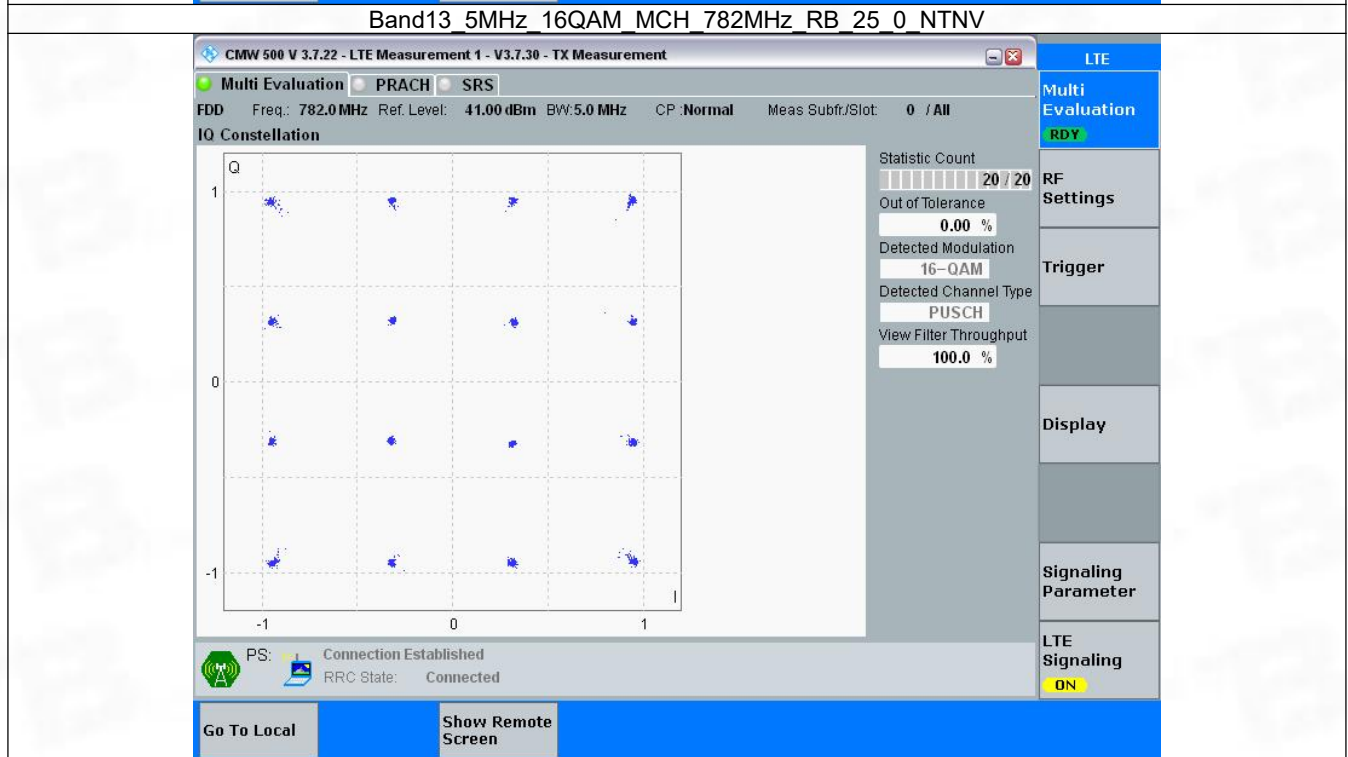
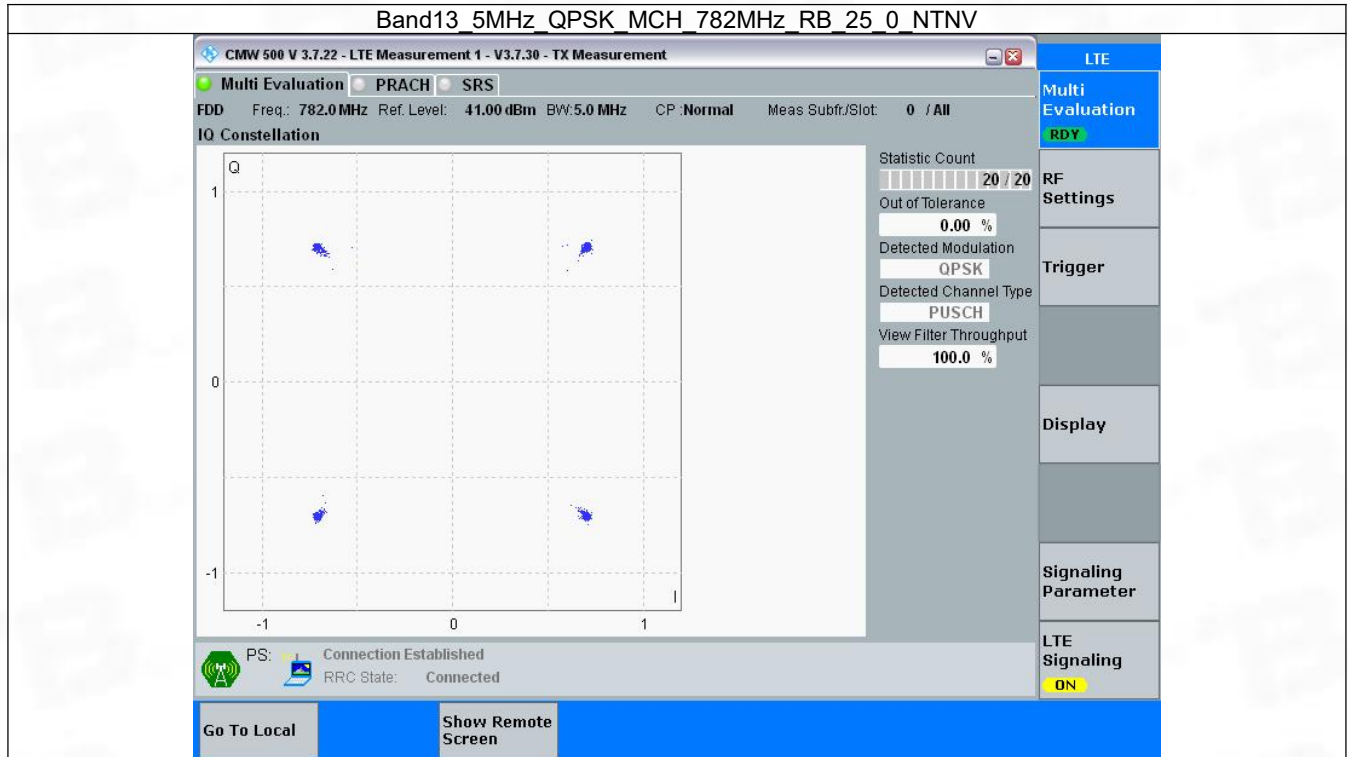
### 3. Modulation Characteristics

#### 3.1 B13\_5MHz

##### 3.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTN						
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

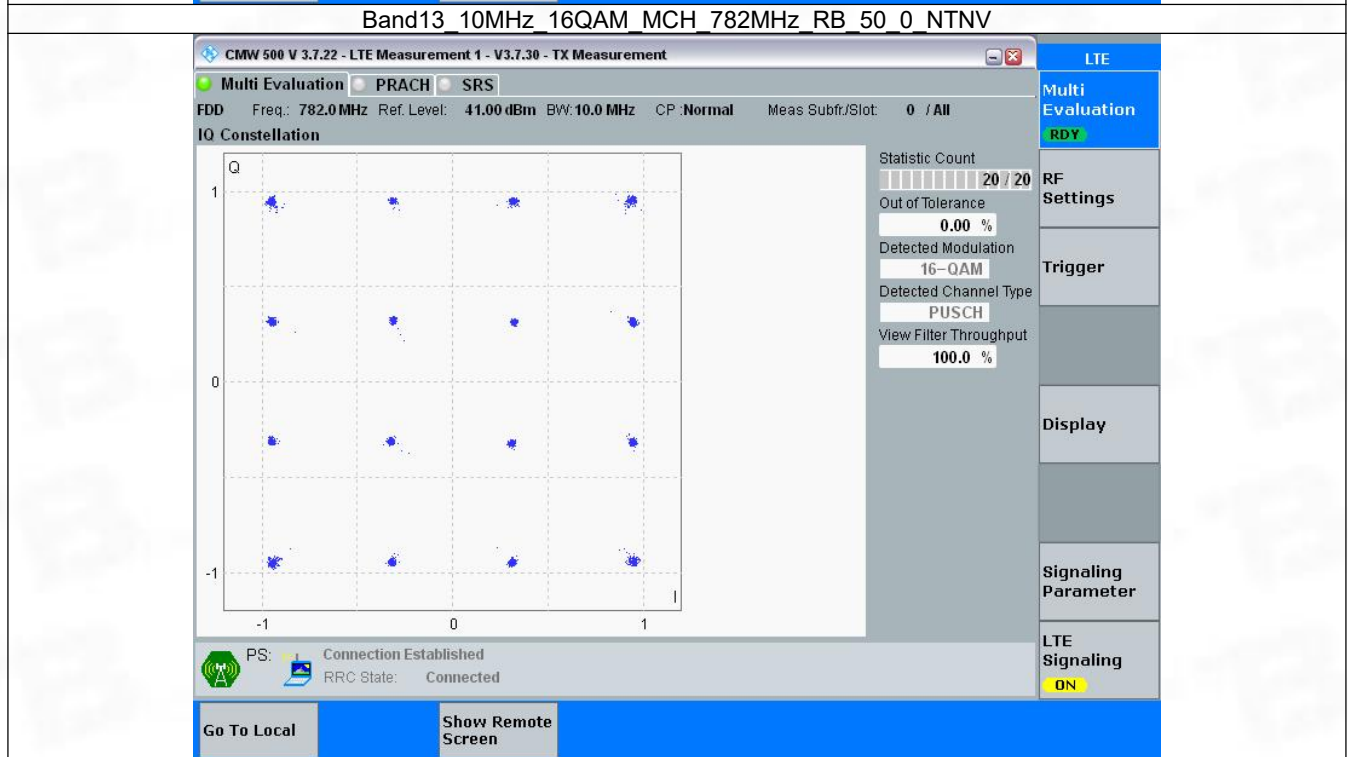
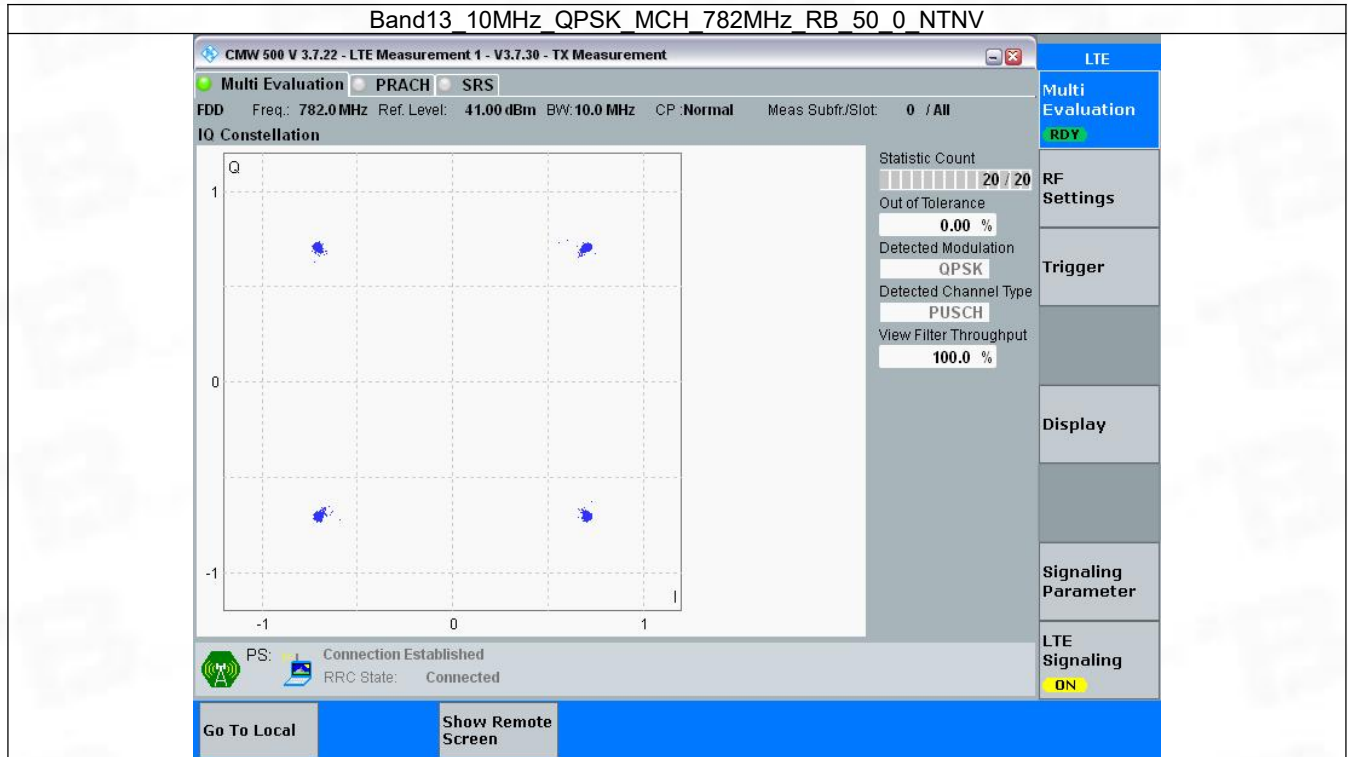


### 3.2 B13\_10MHz

#### 3.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
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

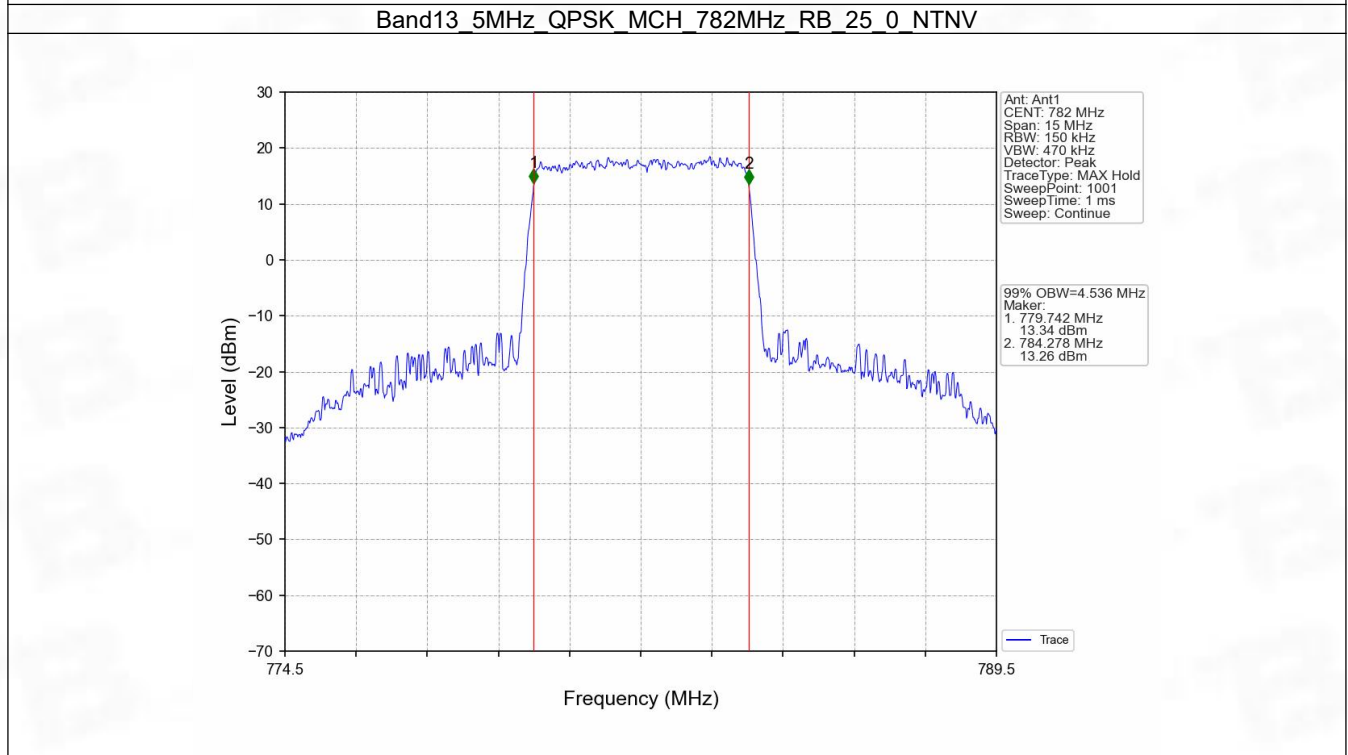
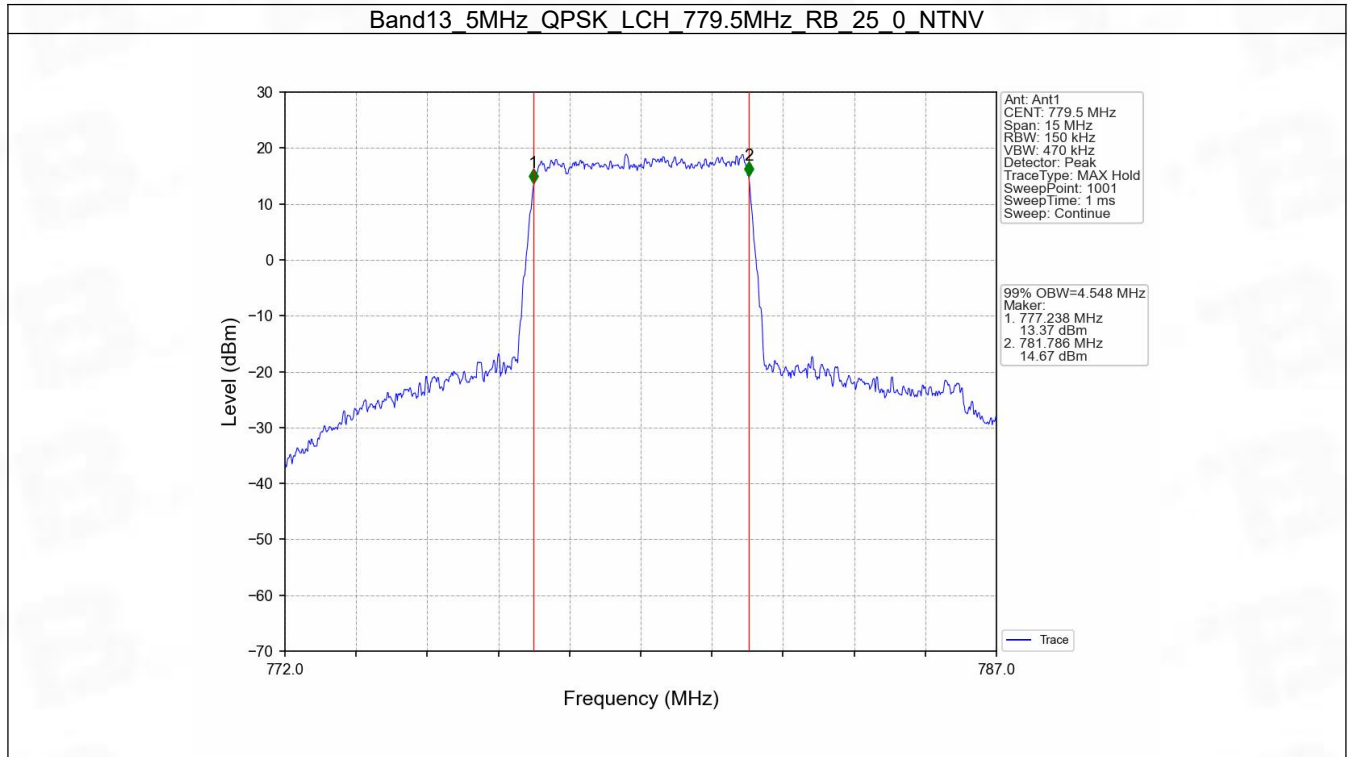
### 4.1 Band13\_OBW

#### 4.1.1 Test Result

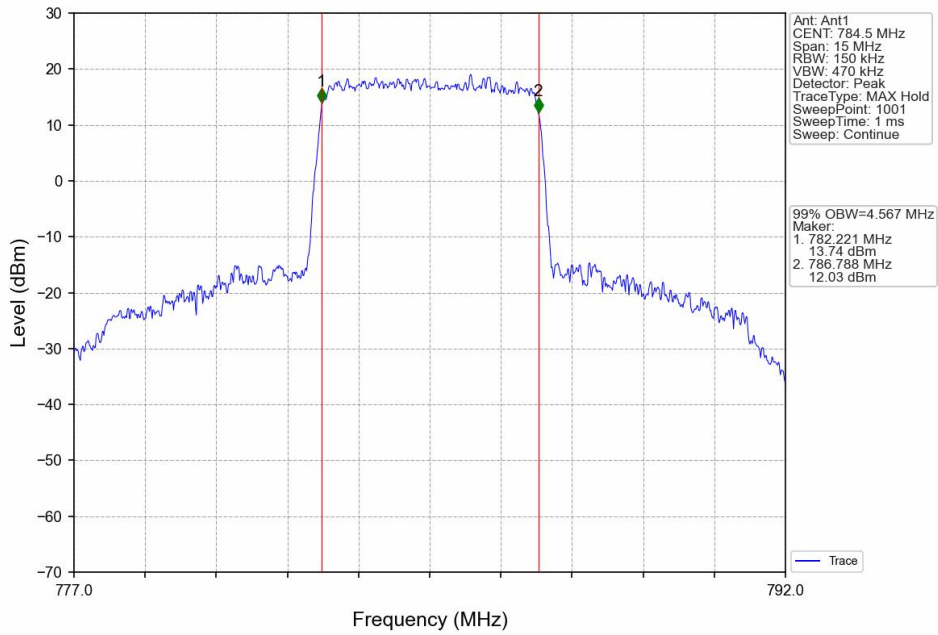
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.548	/	Pass
		782	25	0	4.536	/	Pass
		784.5	25	0	4.567	/	Pass
	16QAM	779.5	25	0	4.543	/	Pass
		782	25	0	4.548	/	Pass
		784.5	25	0	4.532	/	Pass
10	QPSK	782	50	0	9.027	/	Pass
	16QAM	782	50	0	9.035	/	Pass



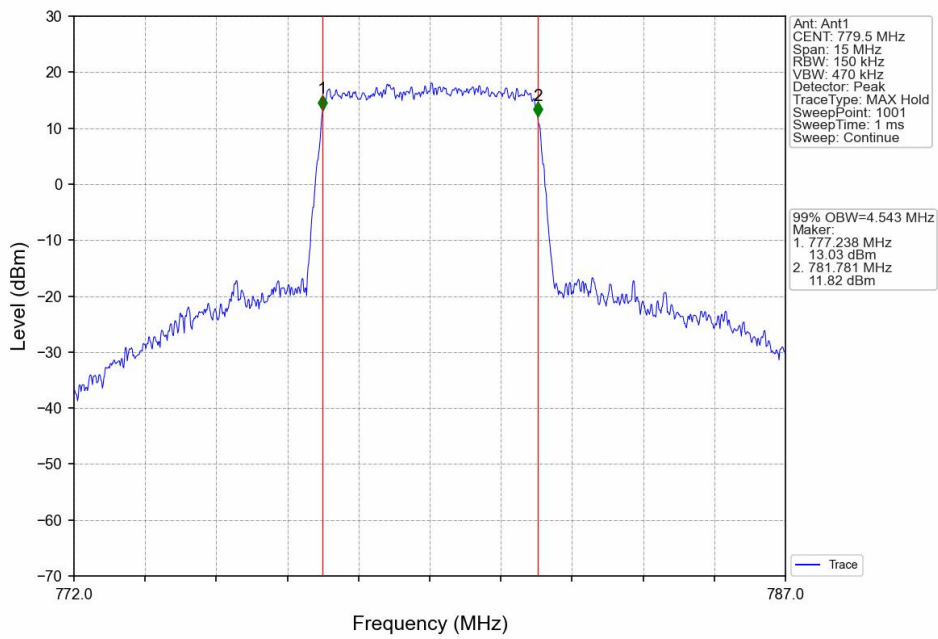
### 4.1.2 Test Graph



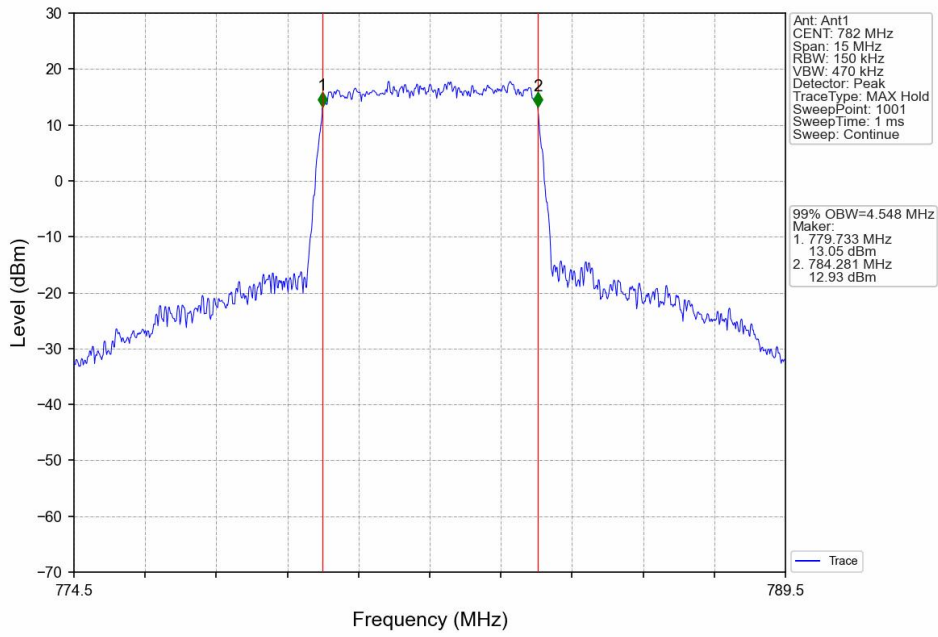
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



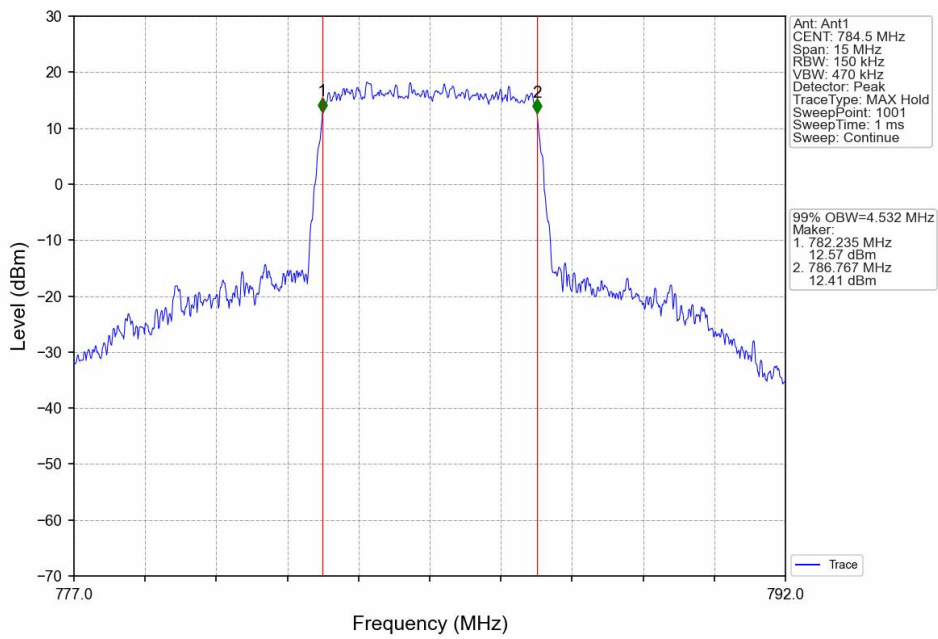
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



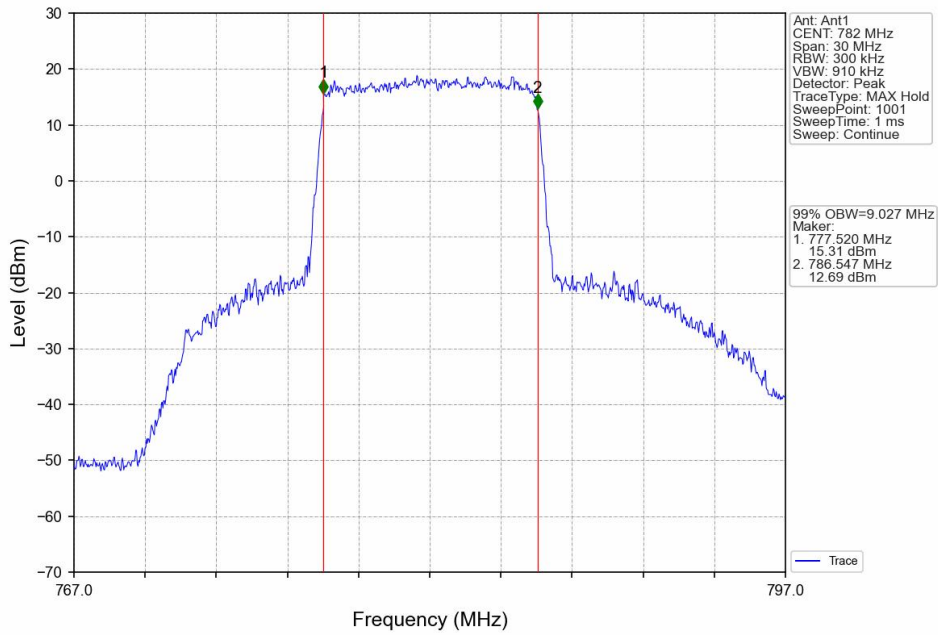
Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_25\_0\_NTNV



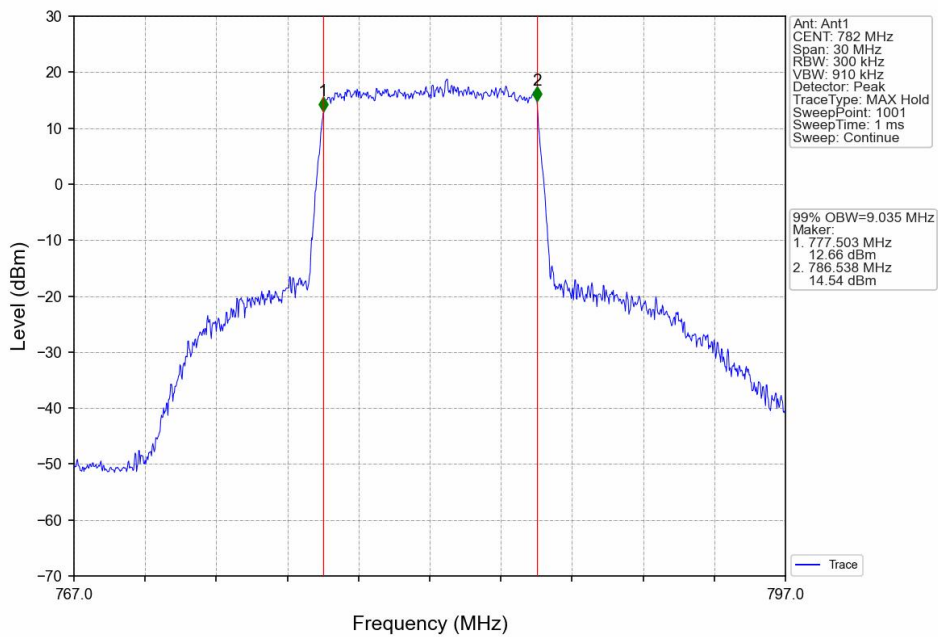
Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



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



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

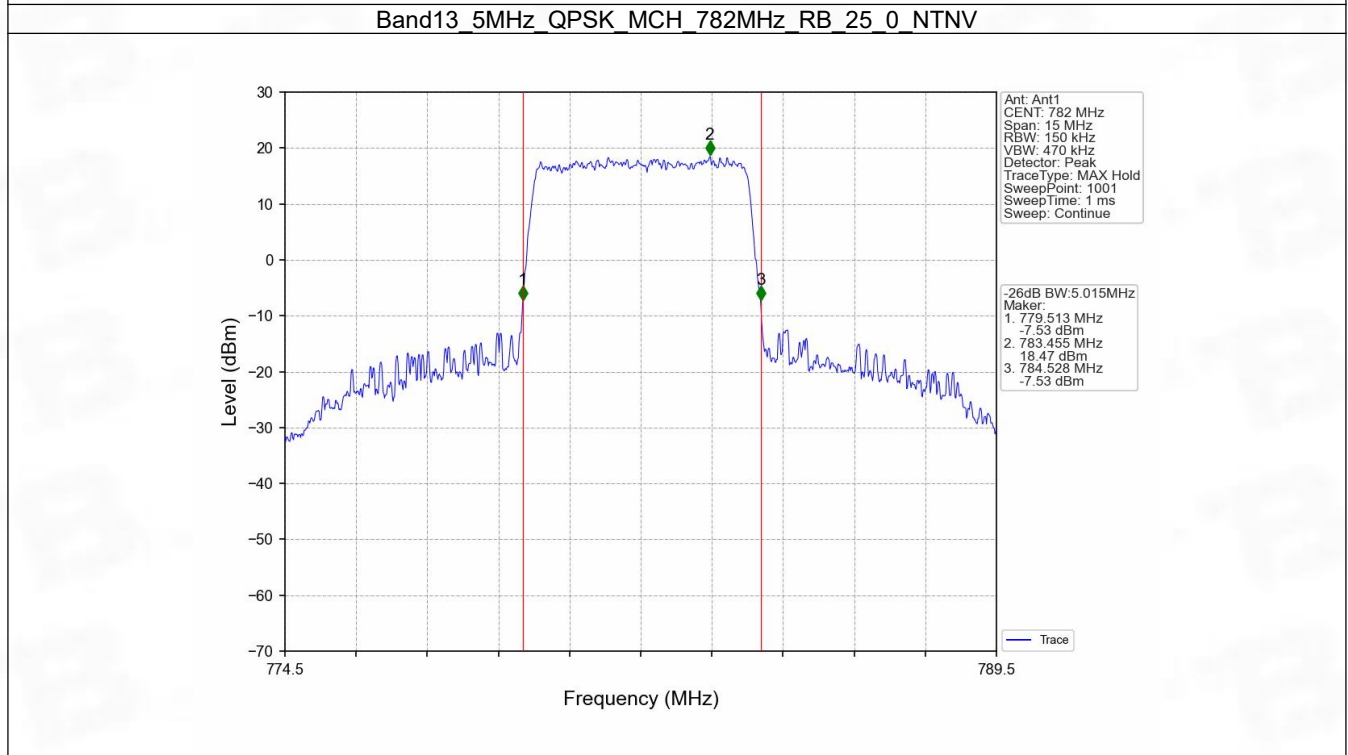
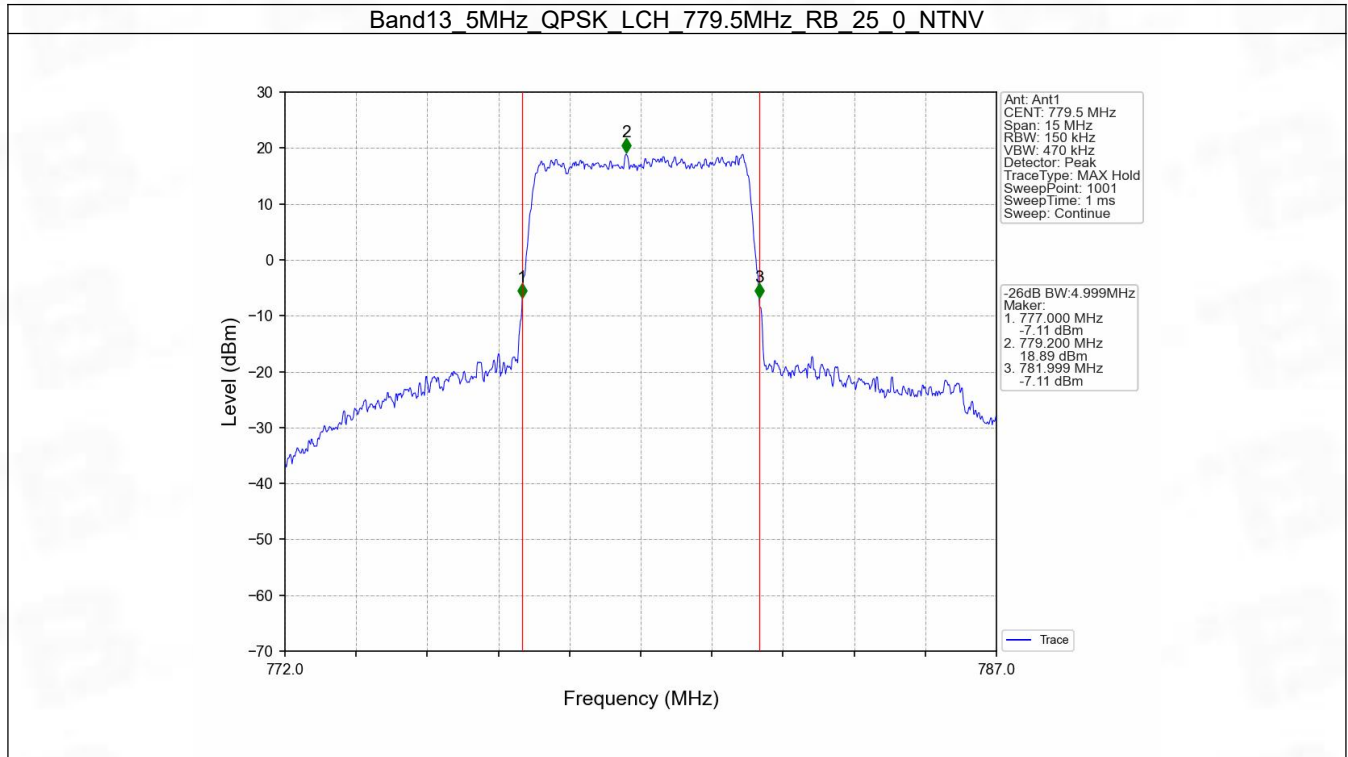


## 4.2 Band13\_XDB

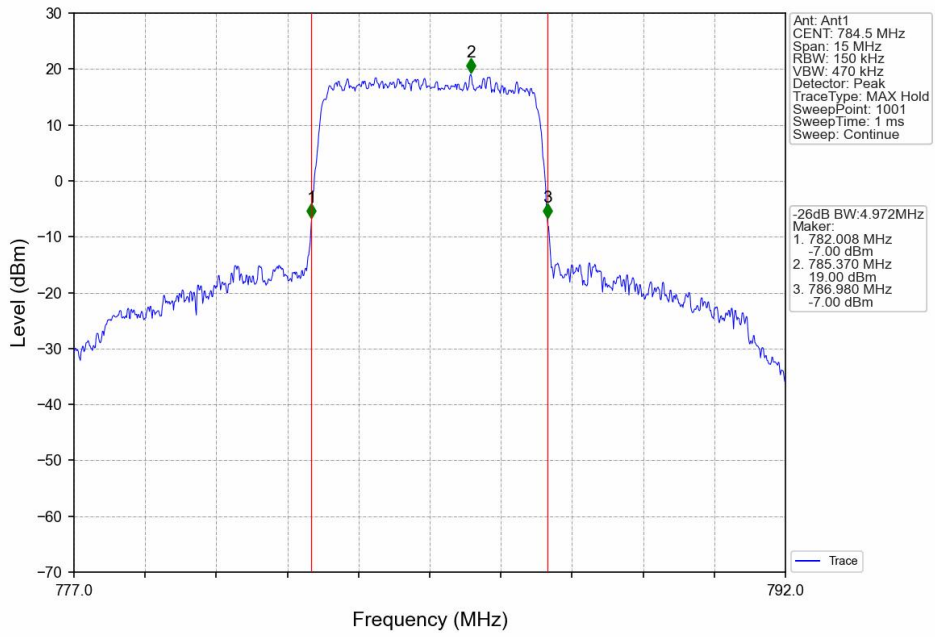
### 4.2.1 Test Result

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.999	/	Pass
		782	25	0	5.015	/	Pass
		784.5	25	0	4.972	/	Pass
	16QAM	779.5	25	0	5.006	/	Pass
		782	25	0	5.010	/	Pass
		784.5	25	0	5.036	/	Pass
10	QPSK	782	50	0	9.870	/	Pass
	16QAM	782	50	0	9.859	/	Pass

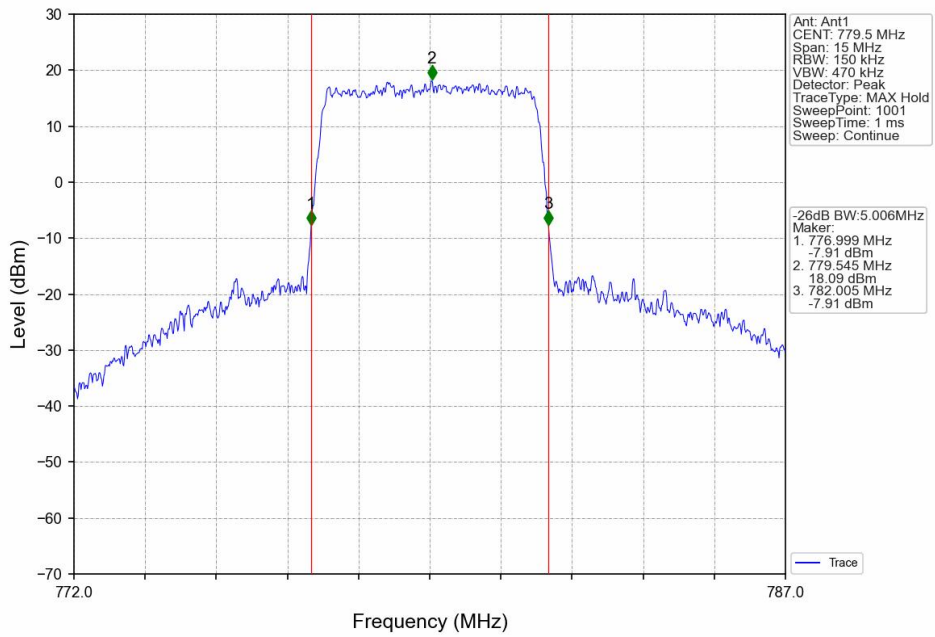
## 4.2.2 Test Graph



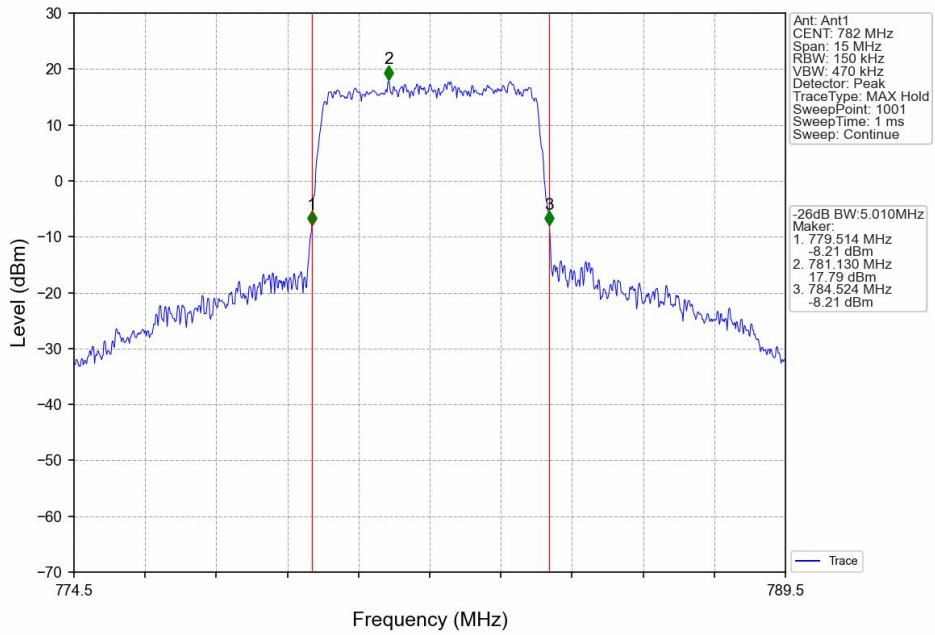
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



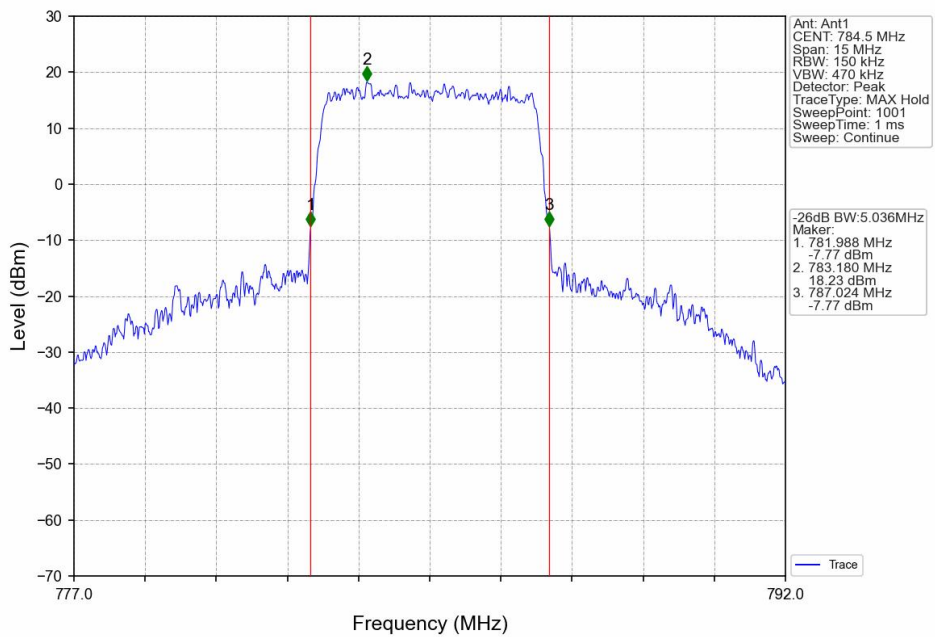
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



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

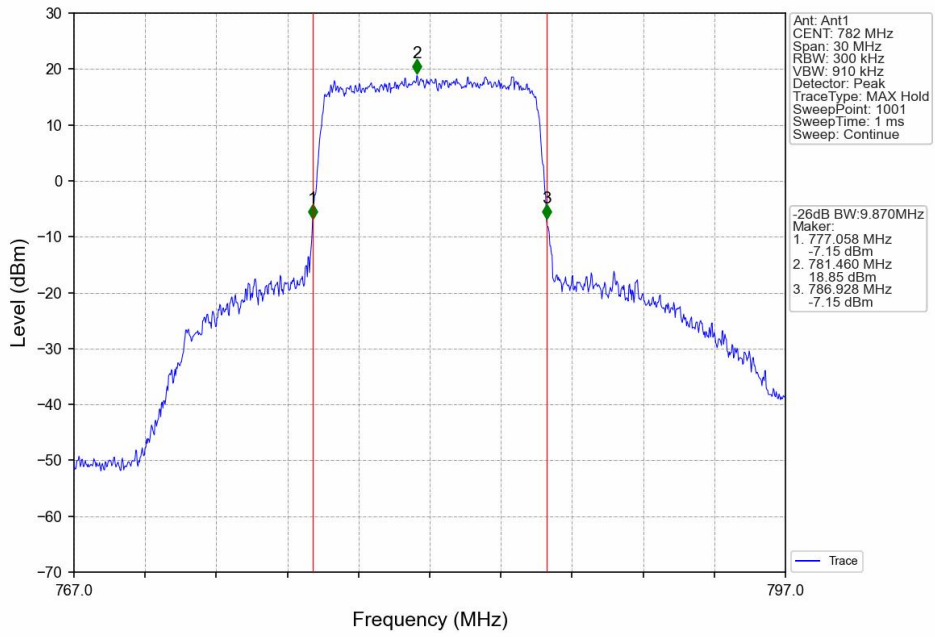


Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV

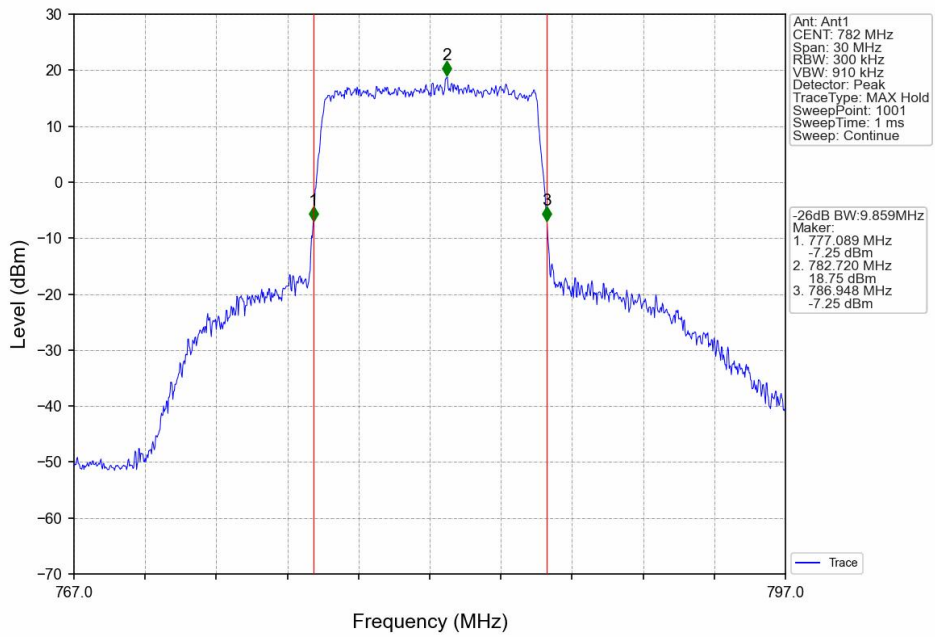




Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_50\_0\_NTNV



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



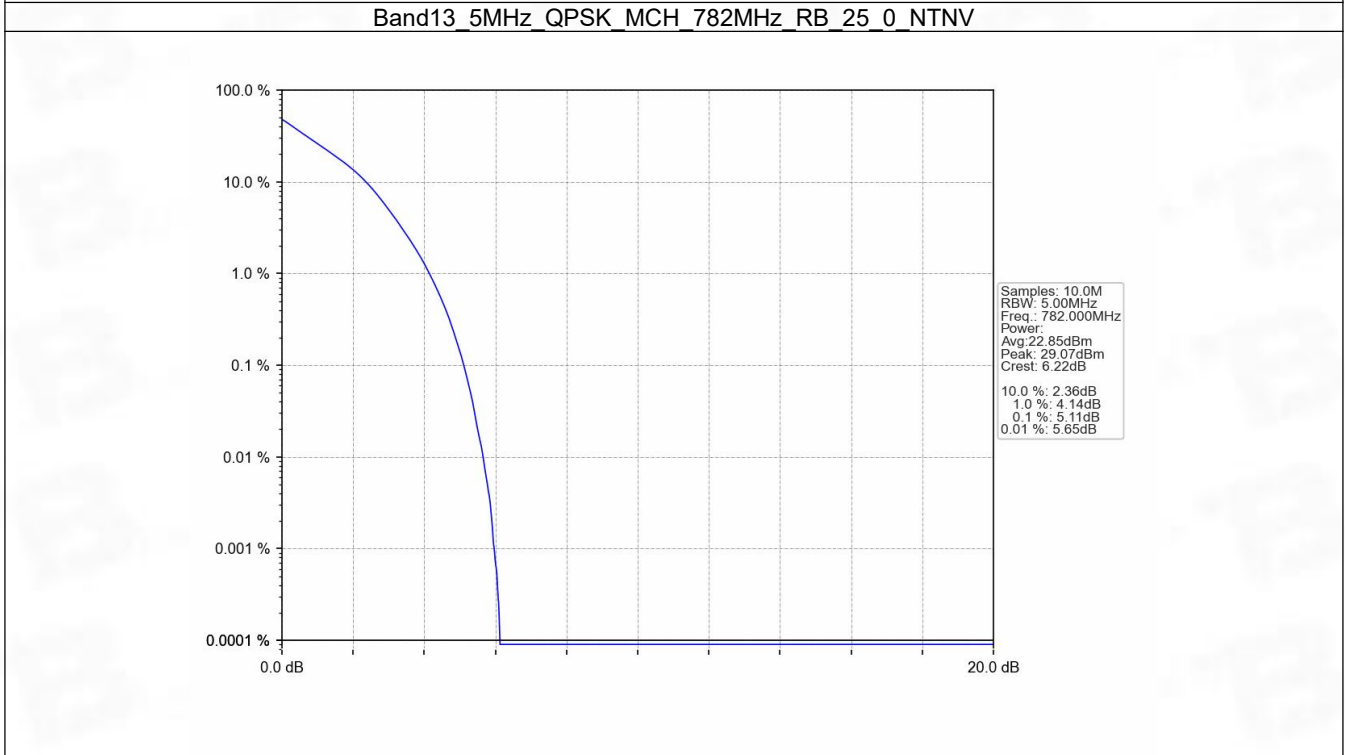
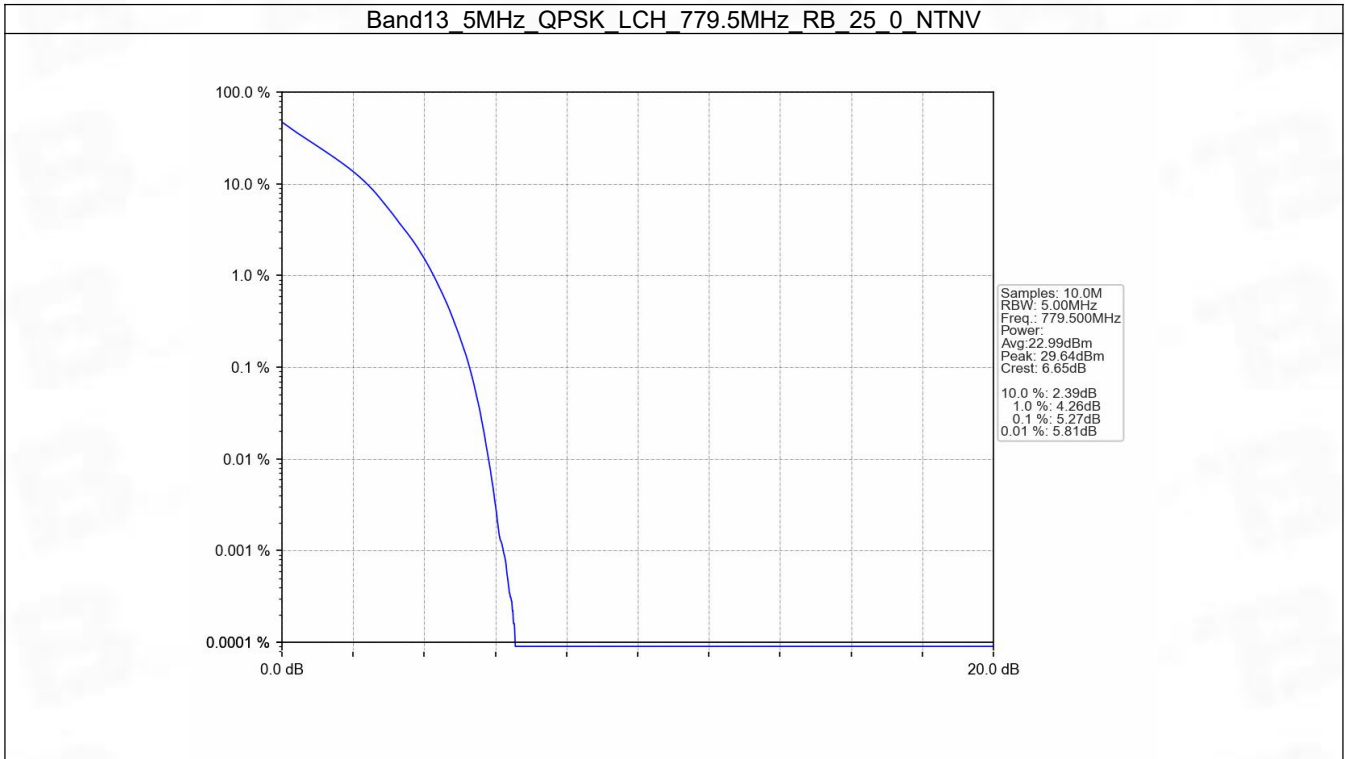
## 5. Peak-Average Ratio

### 5.1 B13\_5MHz

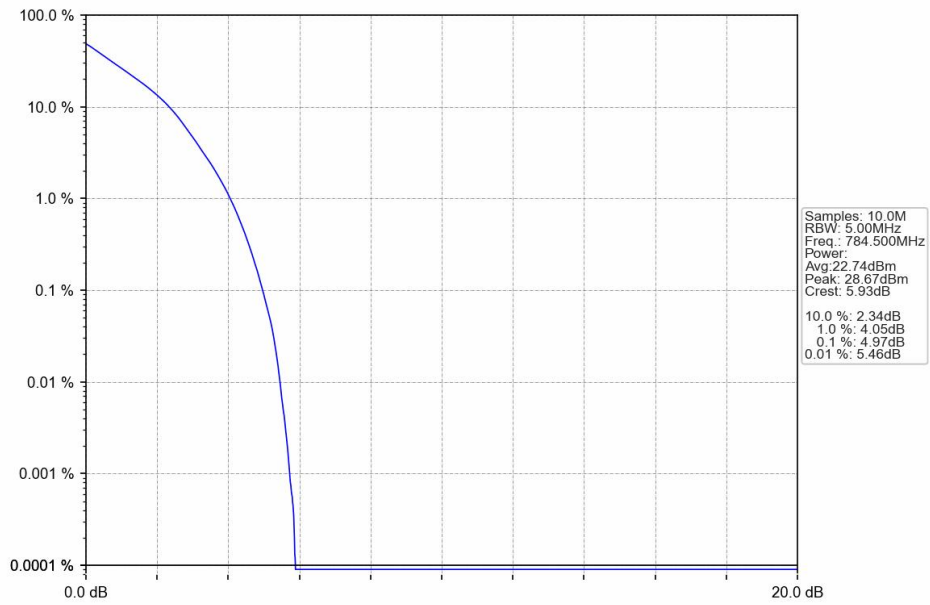
#### 5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.27	<=13	Pass
	782	25	0	5.11	<=13	Pass
	784.5	25	0	4.97	<=13	Pass
16QAM	779.5	25	0	6.01	<=13	Pass
	782	25	0	5.80	<=13	Pass
	784.5	25	0	5.70	<=13	Pass

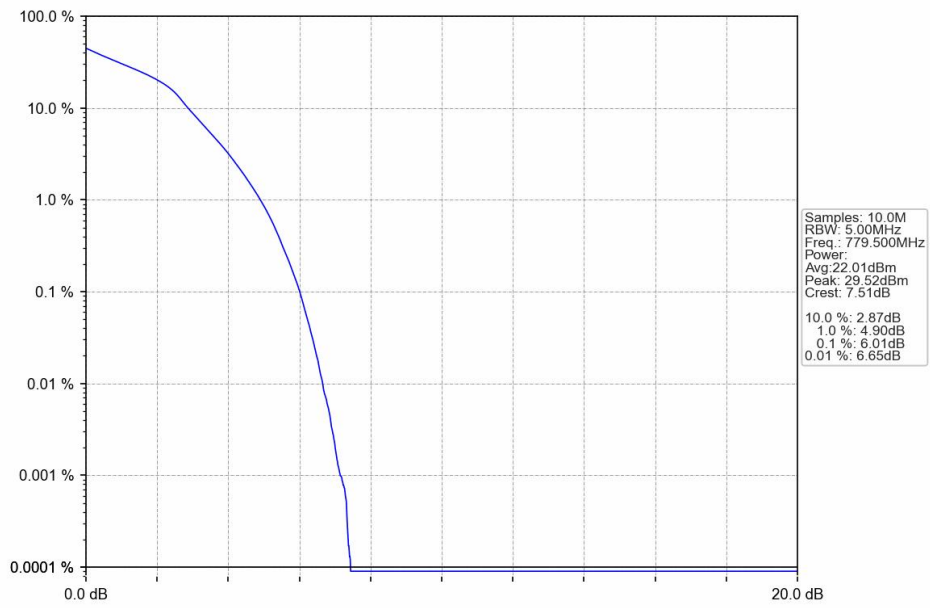
### 5.1.2 Test Graph



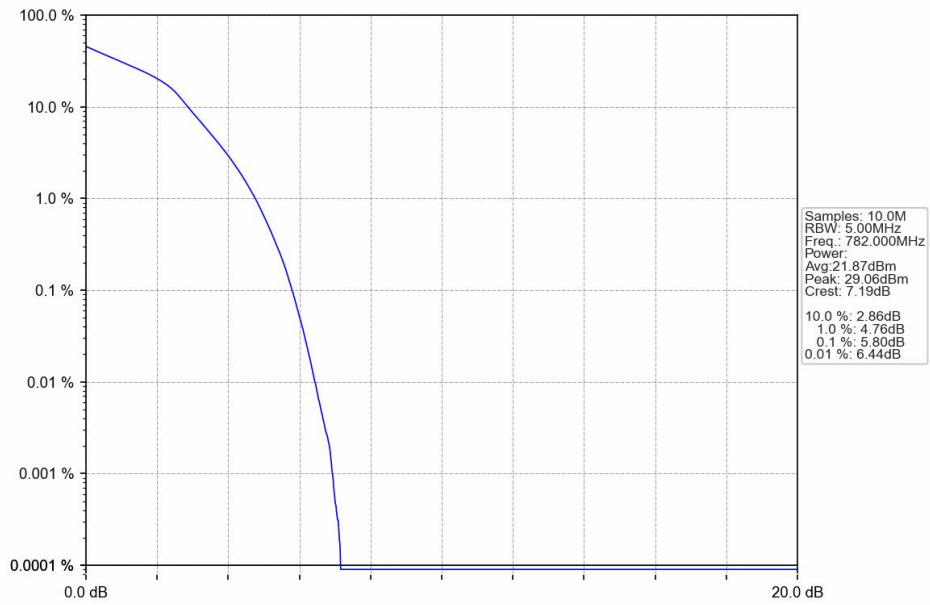
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



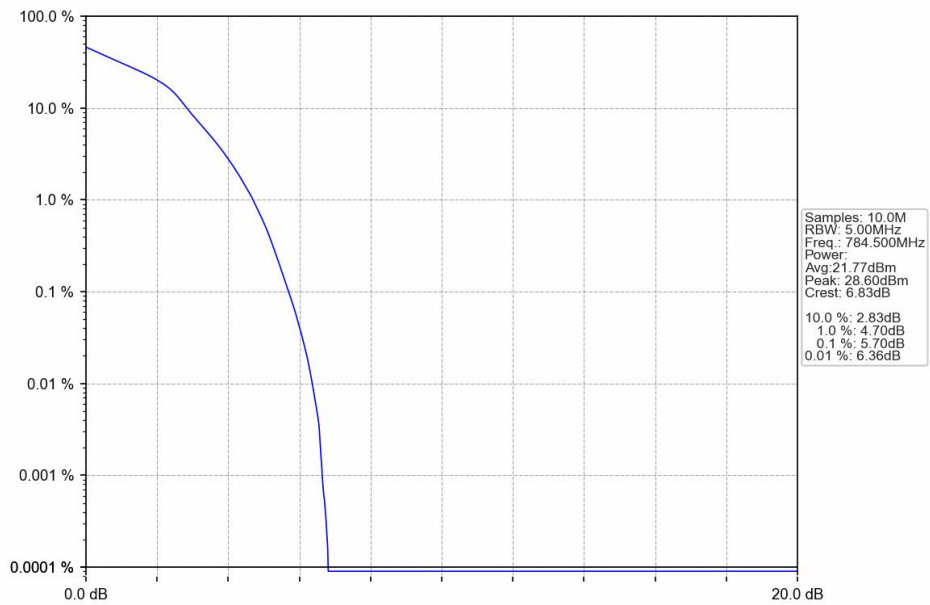
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



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



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

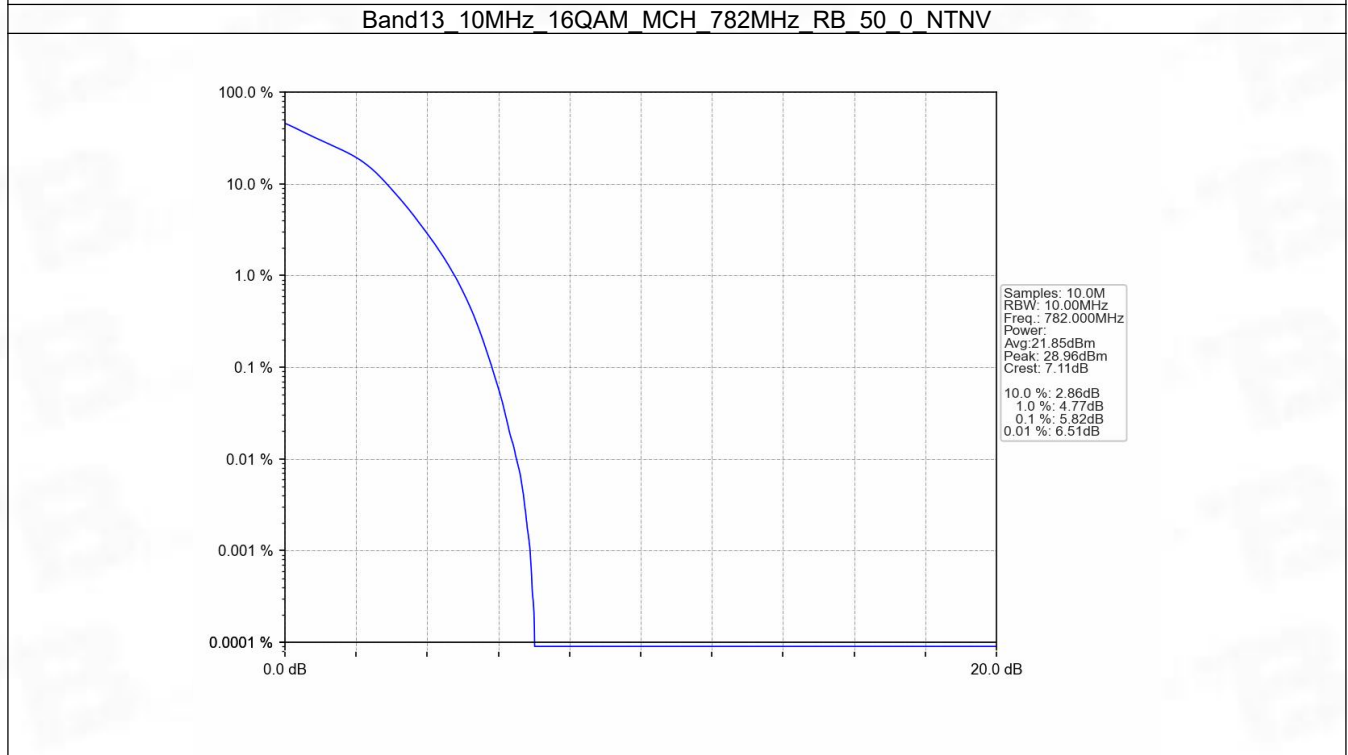
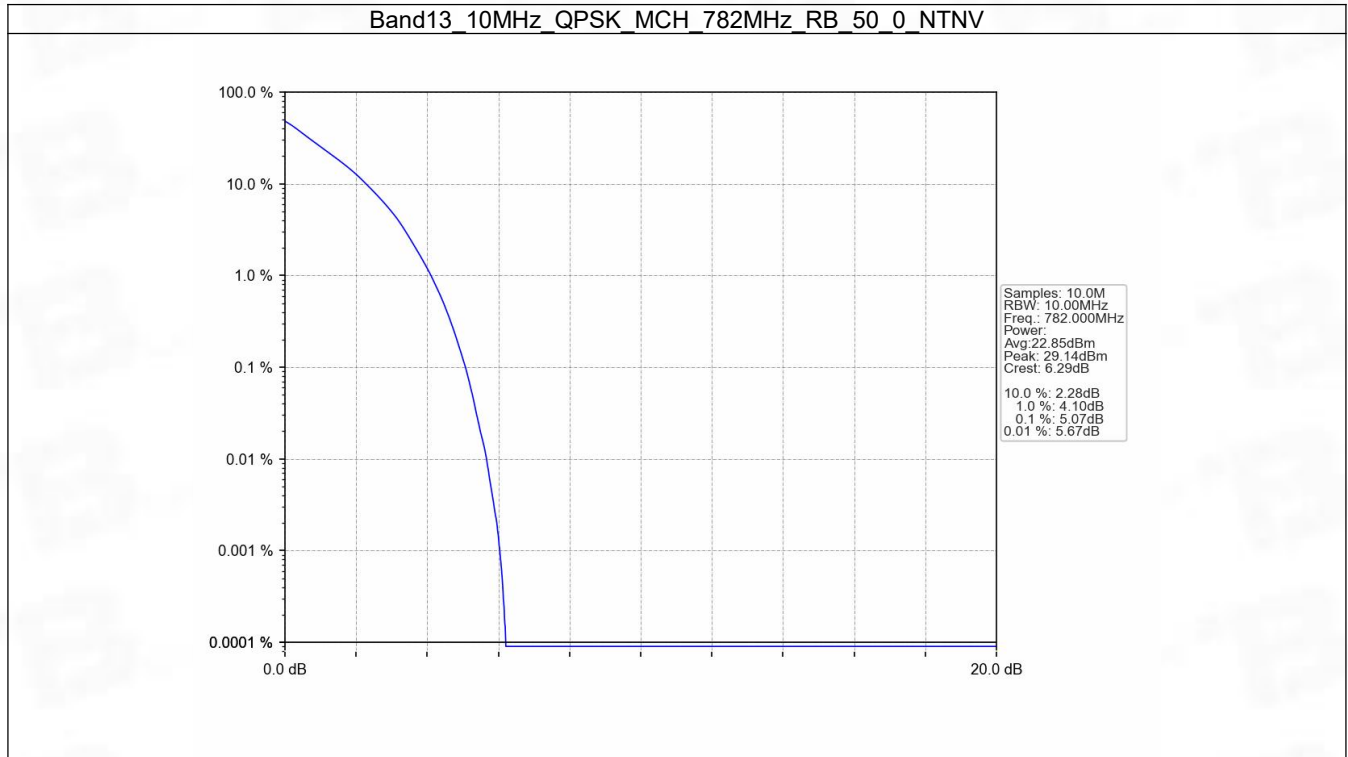


## 5.2 B13\_10MHz

### 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	5.07	<=13	Pass
16QAM	782	50	0	5.82	<=13	Pass

## 5.2.2 Test Graph



## 6. Spurious Emission

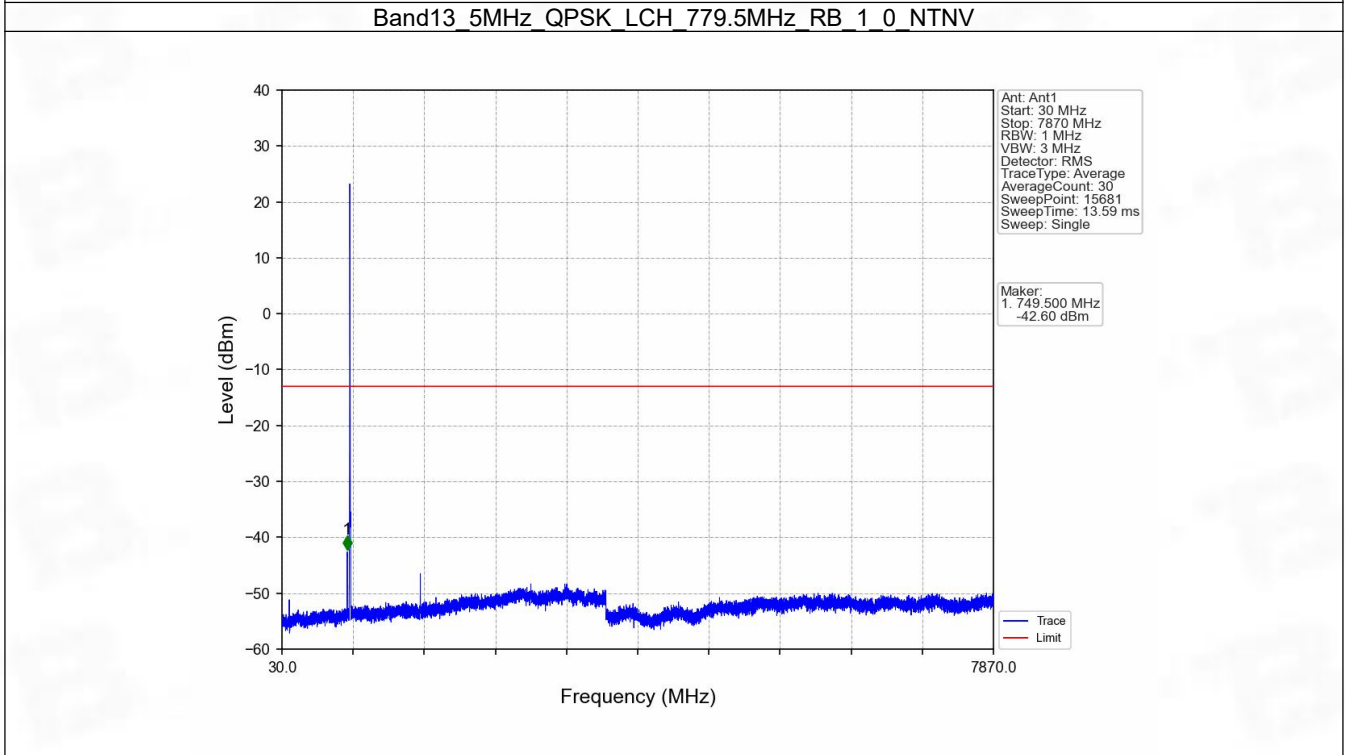
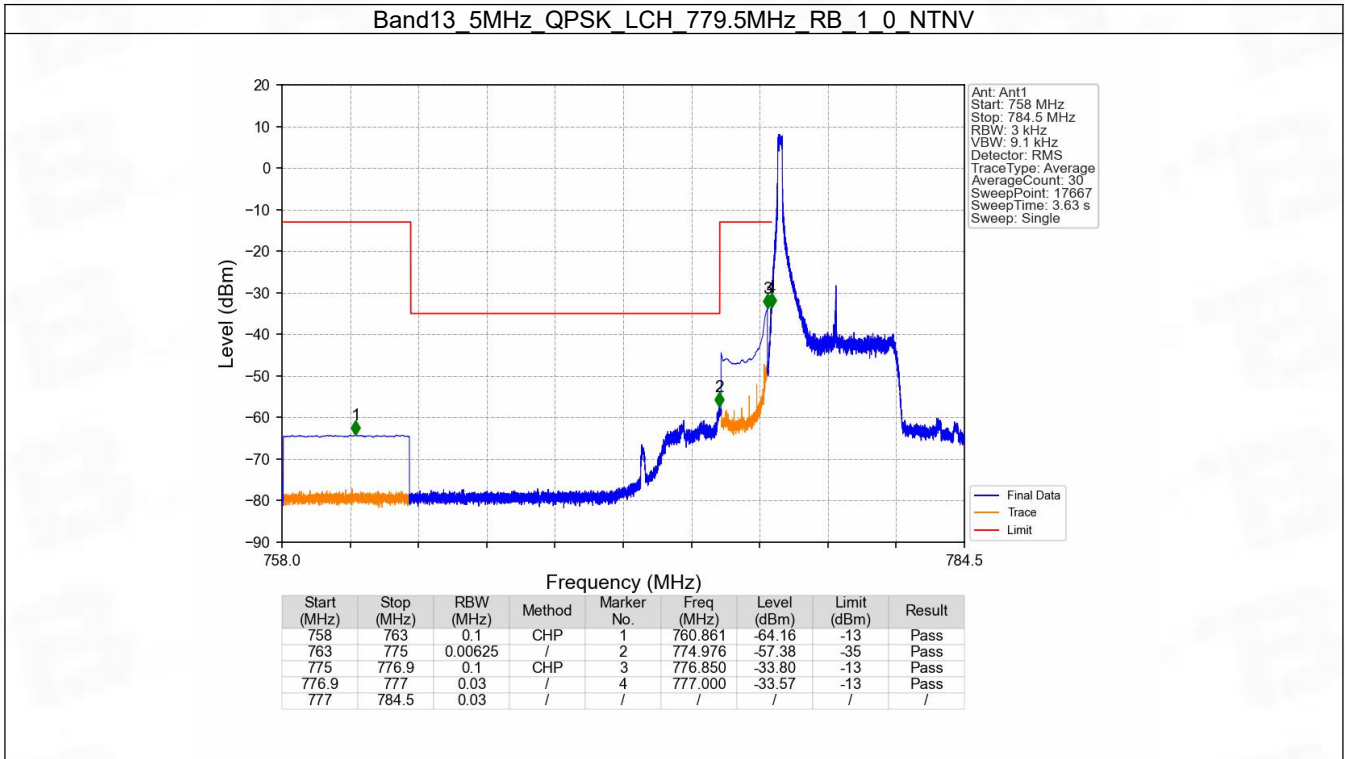
### 6.1 B13\_5MHz

#### 6.1.1 Test Result

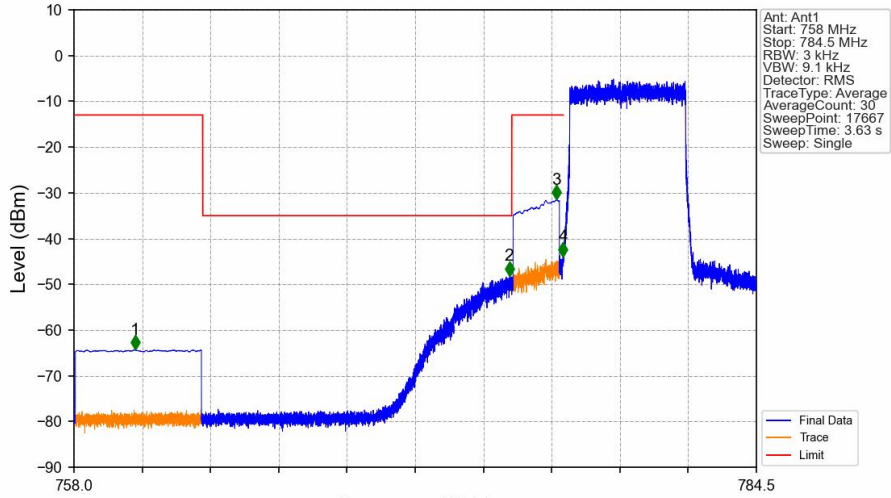
Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
			25	0	Refer To Test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



### 6.1.2 Test Graph

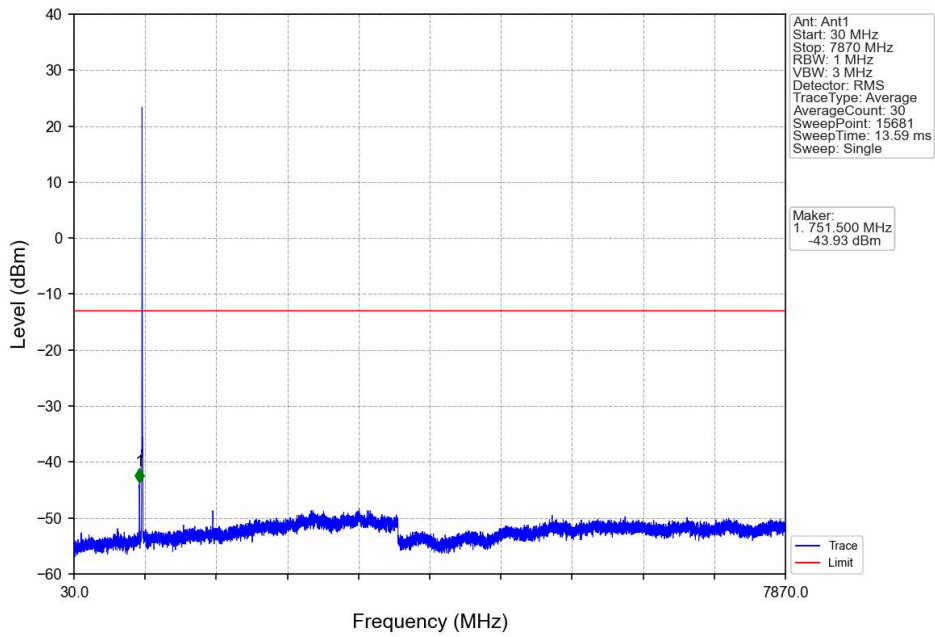


Band13\_5MHz\_QPSK\_LCH\_779.5MHz\_RB\_25\_0\_NTNV

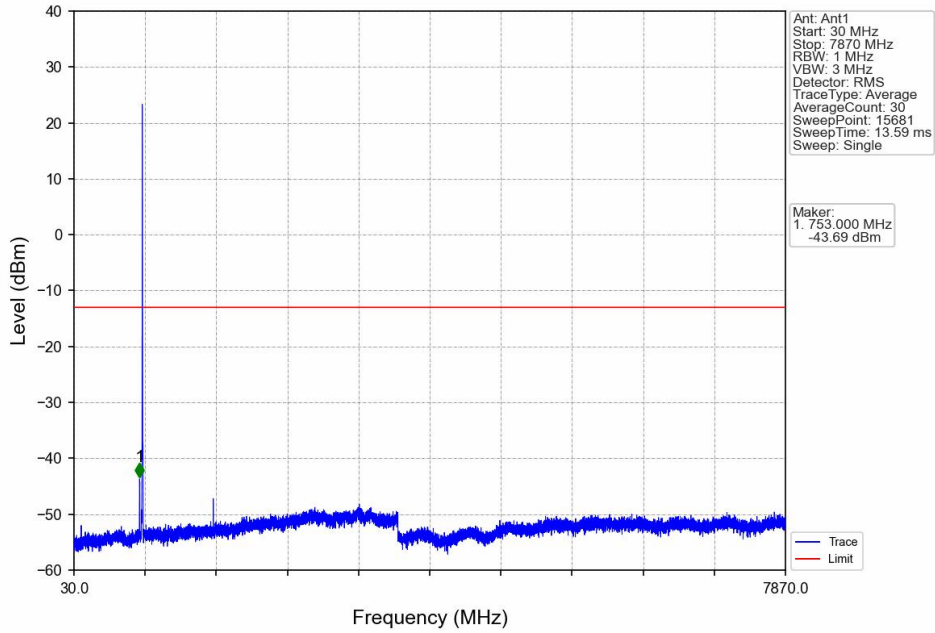


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.378	-64.32	-13	Pass
763	775	0.00625	/	2	774.900	-48.12	-35	Pass
775	776.9	0.1	CHP	3	776.746	-31.48	-13	Pass
776.9	777	0.03	/	4	776.991	-43.90	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

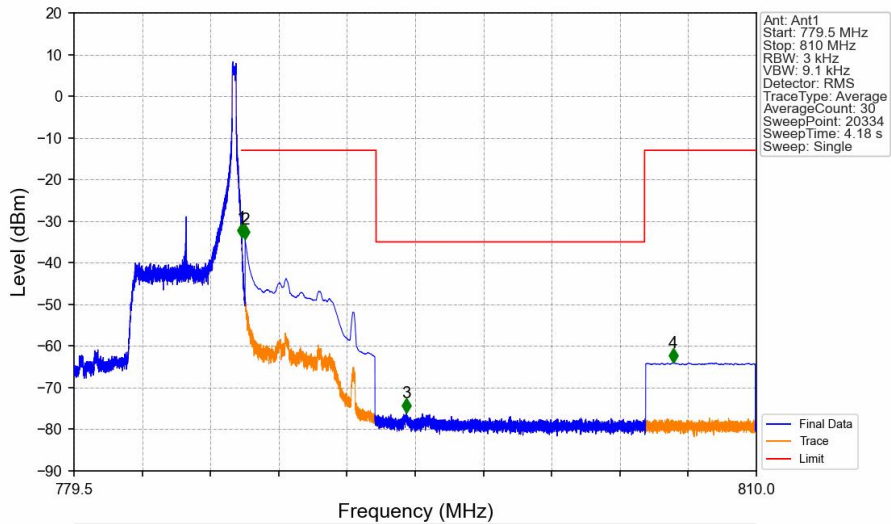
Band13\_5MHz\_QPSK\_MCH\_782MHz\_RB\_1\_0\_NTNV



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

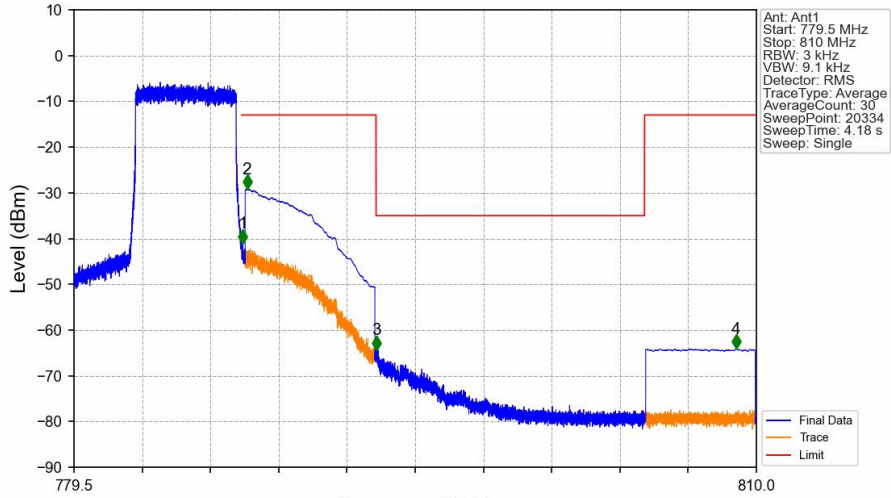


Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_1\_24\_NTNV



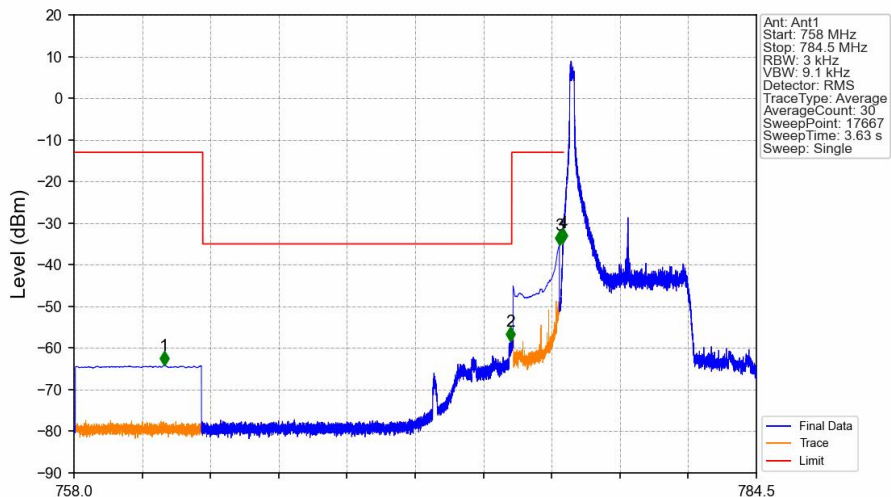
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.000	-33.90	-13	Pass
787.1	793	0.1	CHP	2	787.150	-34.35	-13	Pass
793	805	0.00625	/	3	794.344	-76.05	-35	Pass
805	810	0.1	CHP	4	806.269	-64.03	-13	Pass

Band13 5MHz QPSK HCH 784.5MHz RB 25 0 NTV



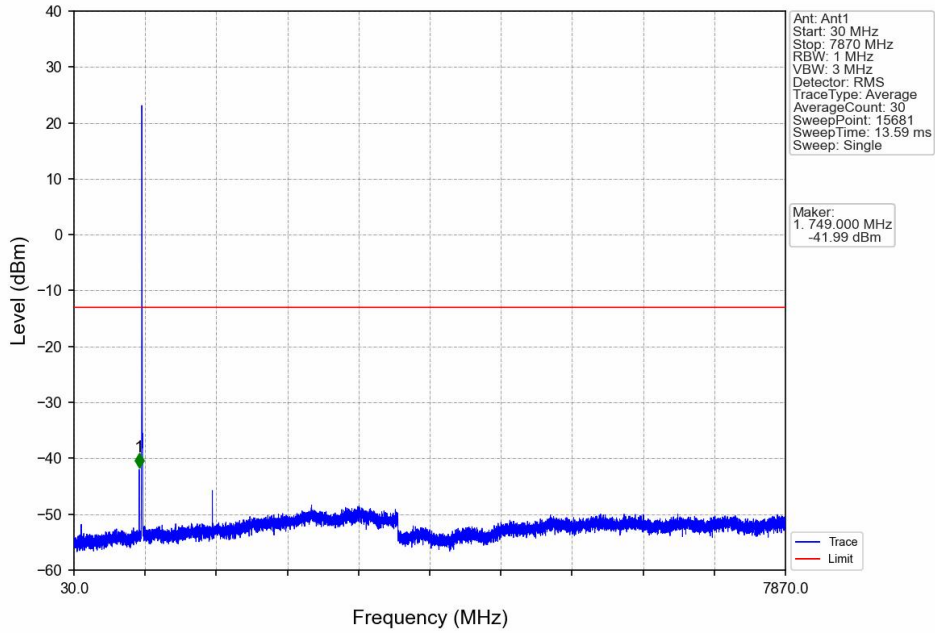
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.044	-41.06	-13	Pass
787.1	793	0.1	CHP	2	787.237	-29.20	-13	Pass
793	805	0.00625	/	3	793.026	-64.35	-35	Pass
805	810	0.1	CHP	4	809.089	-64.11	-13	Pass

Band13 5MHz 16QAM LCH 779.5MHz RB 1 0 NTV

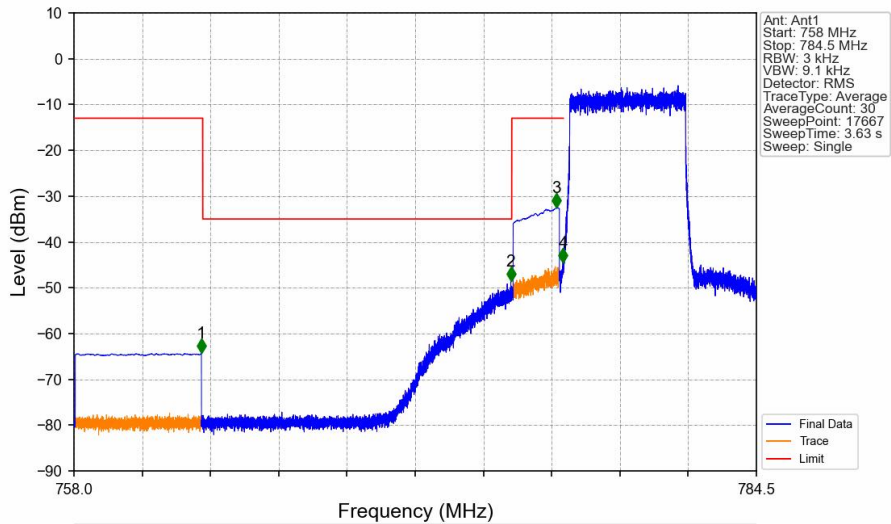


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.501	-64.18	-13	Pass
763	775	0.00625	/	2	774.957	-58.35	-35	Pass
775	776.9	0.1	CHP	3	776.850	-35.26	-13	Pass
776.9	777	0.03	/	4	776.992	-34.77	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

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

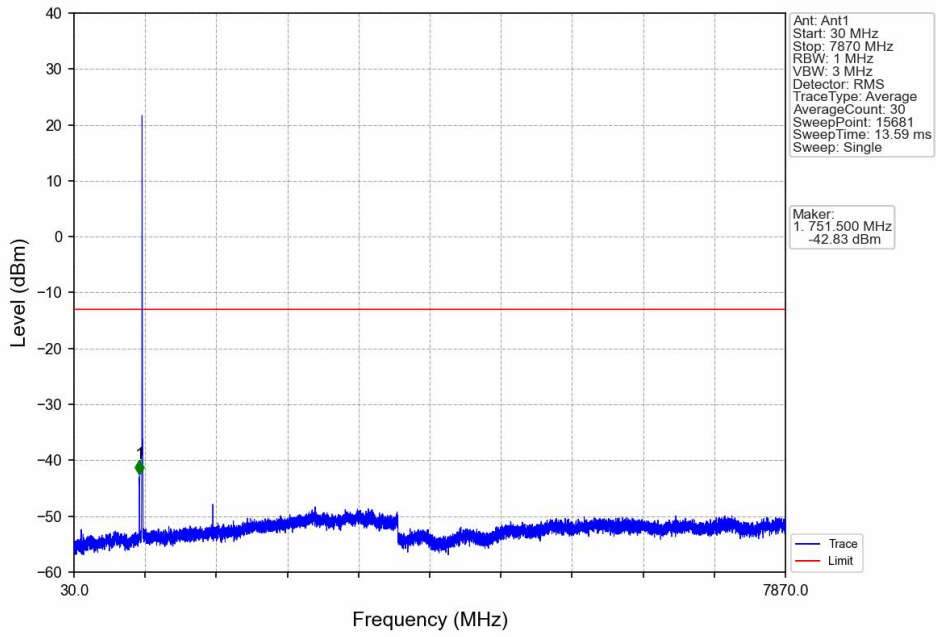


Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV

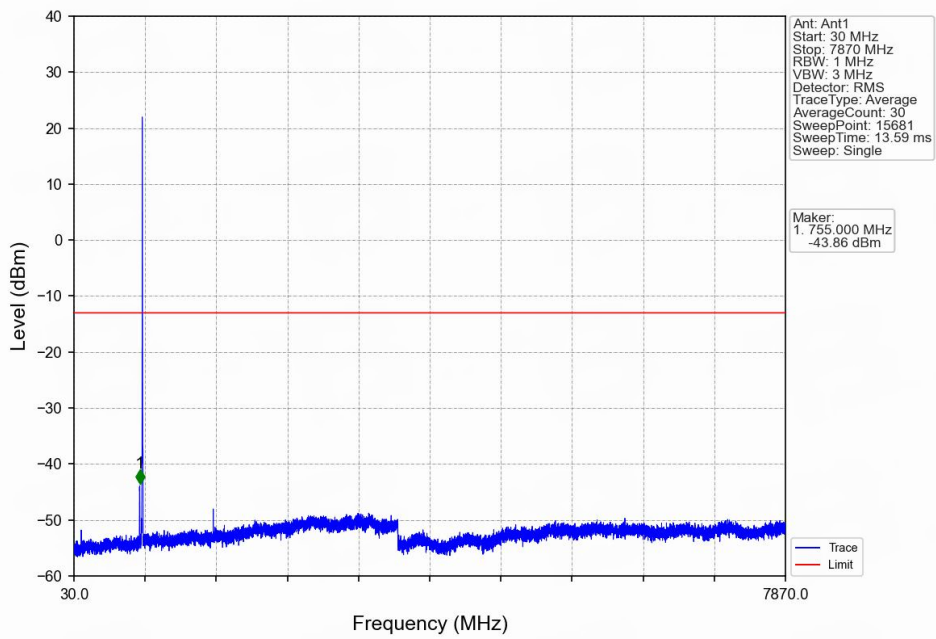


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	762.949	-64.24	-13	Pass
763	775	0.00625	/	2	774.963	-48.50	-35	Pass
775	776.9	0.1	CHP	3	776.719	-32.49	-13	Pass
776.9	777	0.03	/	4	776.986	-44.44	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

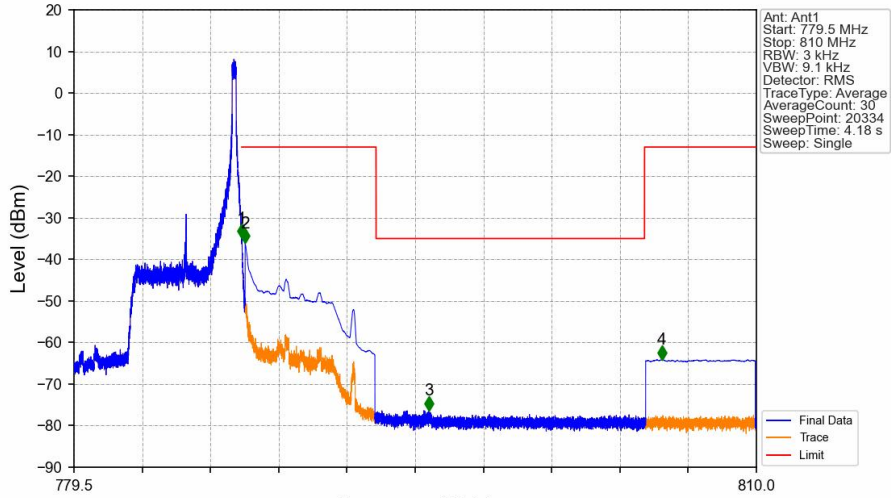
Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



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

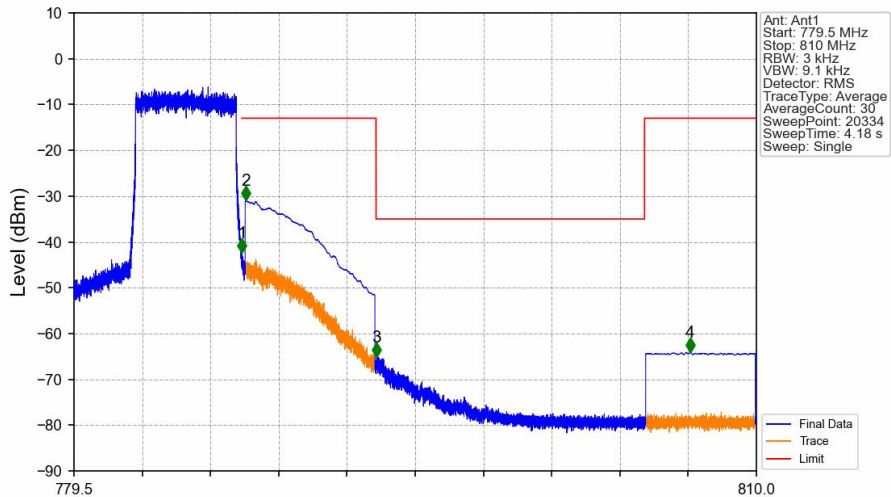


Band13 5MHz 16QAM HCH 784.5MHz RB 1 24 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.000	-34.96	-13	Pass
787.1	793	0.1	CHP	2	787.150	-36.06	-13	Pass
793	805	0.00625	/	3	795.351	-76.35	-35	Pass
805	810	0.1	CHP	4	805.776	-64.11	-13	Pass

Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.014	-42.32	-13	Pass
787.1	793	0.1	CHP	2	787.176	-30.98	-13	Pass
793	805	0.00625	/	3	793.032	-65.09	-35	Pass
805	810	0.1	CHP	4	807.033	-64.12	-13	Pass

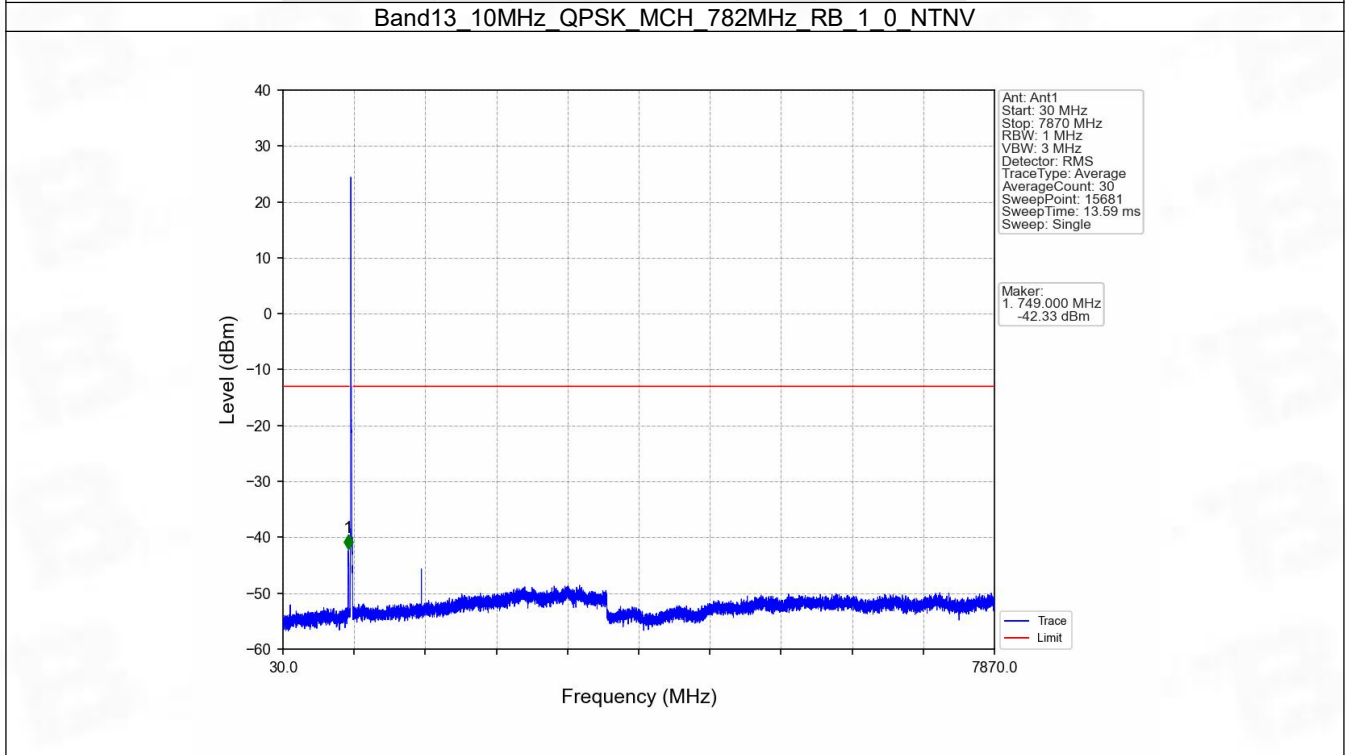
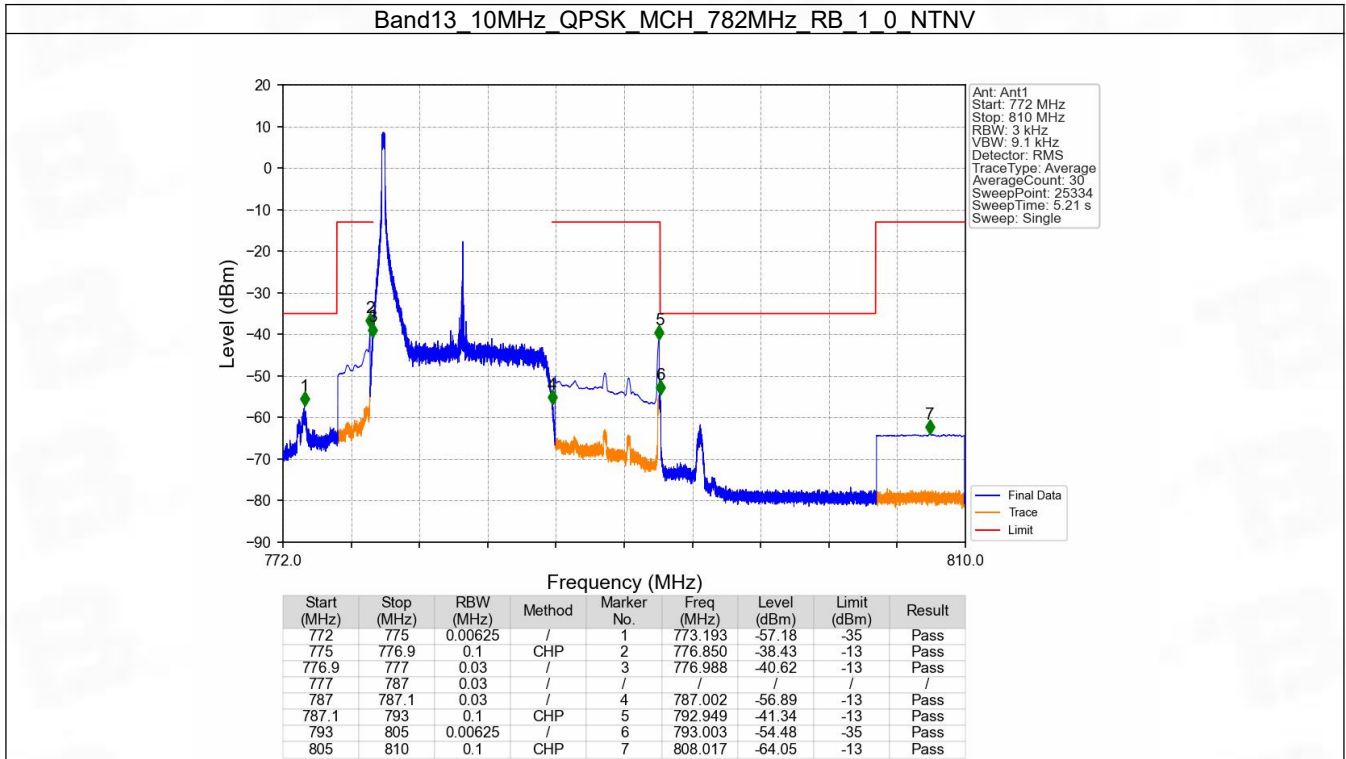
## 6.2 B13\_10MHz

### 6.2.1 Test Result

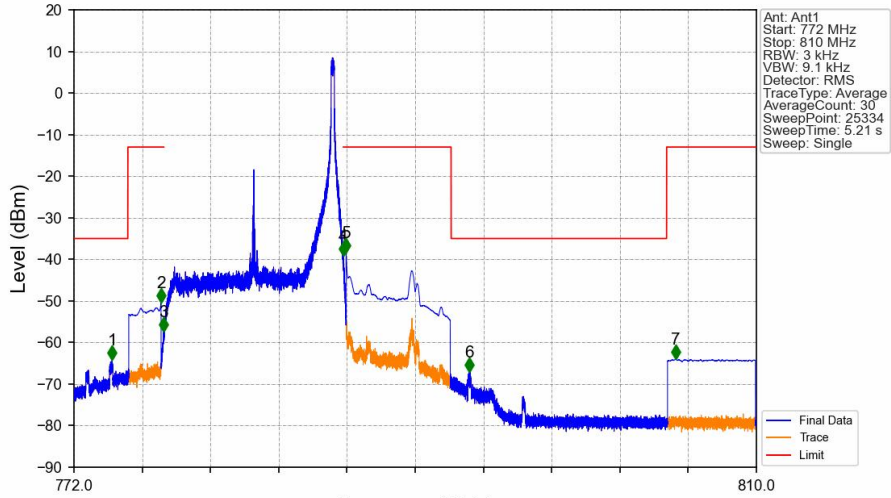
Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph	Pass	
			49	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
16QAM	782	1	0	Refer To Test Graph	Pass	
			49	Refer To Test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



## 6.2.2 Test Graph

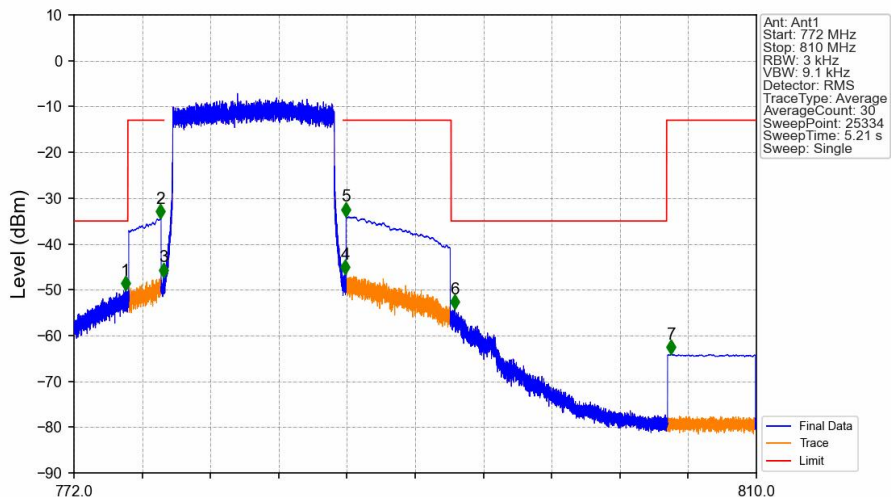


Band13 10MHz QPSK MCH 782MHz RB 1 49 NTV



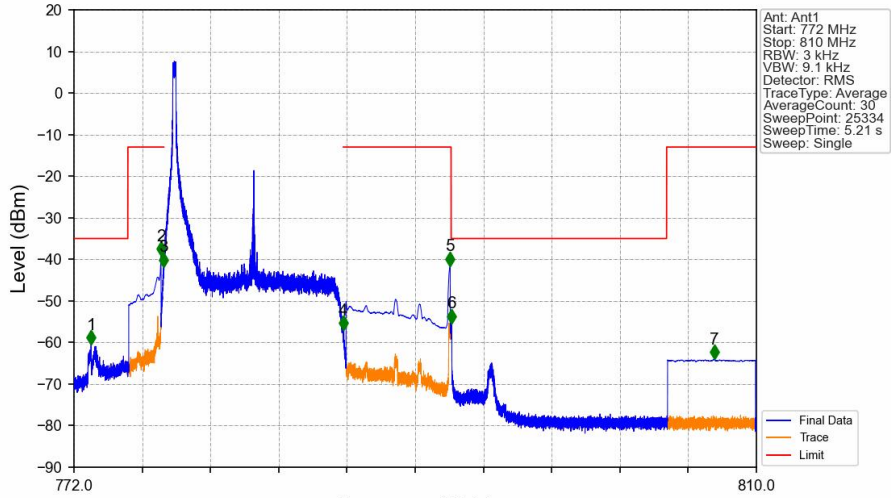
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.121	-64.28	-35	Pass
775	776.9	0.1	CHP	2	776.850	-50.46	-13	Pass
776.9	777	0.03	/	3	776.994	-57.43	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.000	-39.25	-13	Pass
787.1	793	0.1	CHP	5	787.150	-38.34	-13	Pass
793	805	0.00625	/	6	794.011	-67.08	-35	Pass
805	810	0.1	CHP	7	805.495	-64.04	-13	Pass

Band13 10MHz QPSK MCH 782MHz RB 50 0 NTV



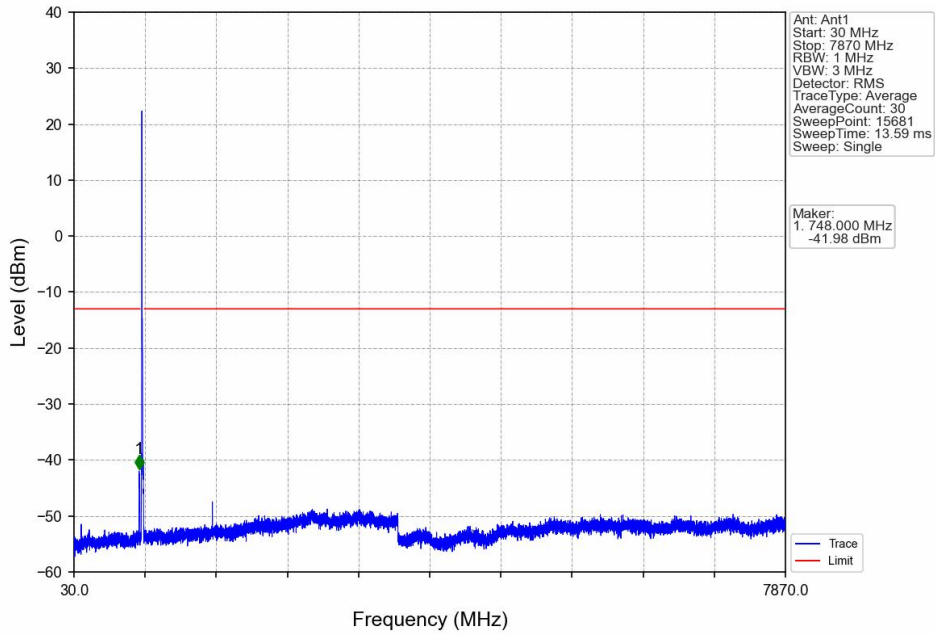
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.865	-50.15	-35	Pass
775	776.9	0.1	CHP	2	776.803	-34.51	-13	Pass
776.9	777	0.03	/	3	776.968	-47.24	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.096	-46.60	-13	Pass
787.1	793	0.1	CHP	5	787.150	-34.00	-13	Pass
793	805	0.00625	/	6	793.200	-54.19	-35	Pass
805	810	0.1	CHP	7	805.257	-64.10	-13	Pass

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

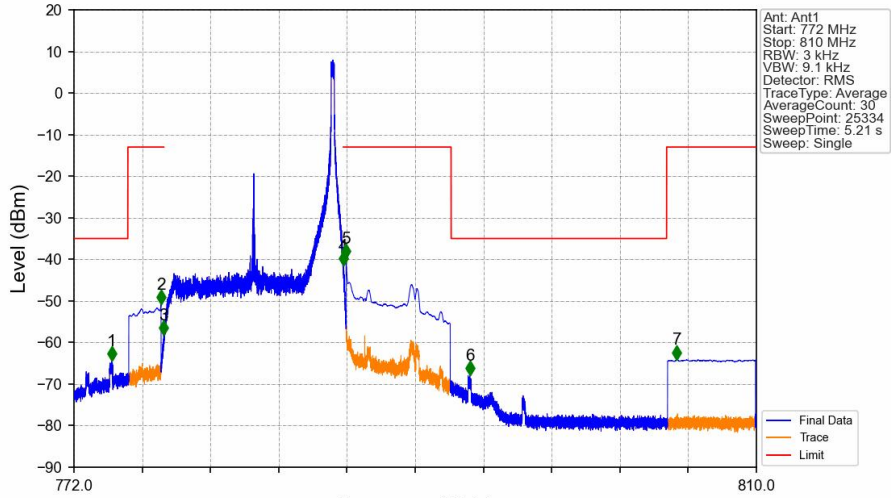


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	772.953	-60.59	-35	Pass
775	776.9	0.1	CHP	2	776.850	-39.12	-13	Pass
776.9	777	0.03	/	3	777.000	-41.81	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.005	-57.09	-13	Pass
787.1	793	0.1	CHP	5	792.945	-41.63	-13	Pass
793	805	0.00625	/	6	793.035	-55.37	-35	Pass
805	810	0.1	CHP	7	807.655	-64.06	-13	Pass

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

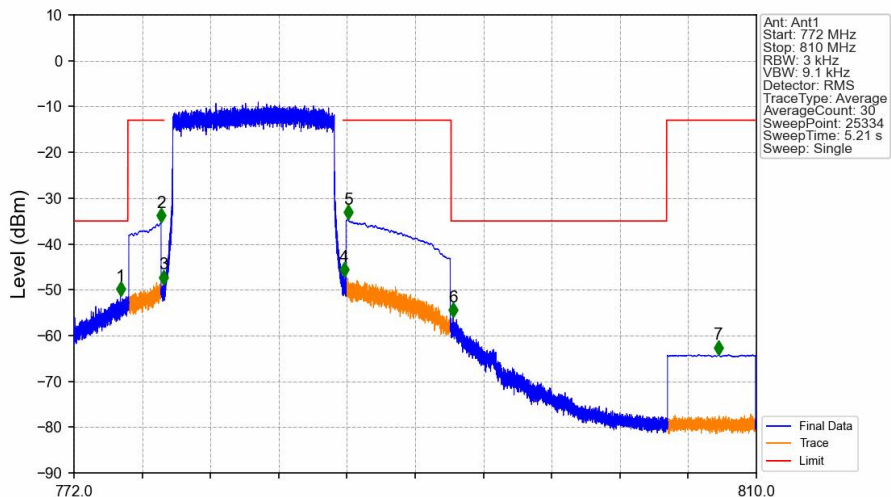


Band13 10MHz 16QAM MCH 782MHz RB 1 49 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.099	-64.37	-35	Pass
775	776.9	0.1	CHP	2	776.850	-50.82	-13	Pass
776.9	777	0.03	/	3	777.000	-58.17	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.000	-41.52	-13	Pass
787.1	793	0.1	CHP	5	787.150	-39.70	-13	Pass
793	805	0.00625	/	6	794.041	-67.89	-35	Pass
805	810	0.1	CHP	7	805.575	-64.11	-13	Pass

Band13 10MHz 16QAM MCH 782MHz RB 50 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.583	-51.32	-35	Pass
775	776.9	0.1	CHP	2	776.850	-35.40	-13	Pass
776.9	777	0.03	/	3	777.000	-48.83	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.035	-47.21	-13	Pass
787.1	793	0.1	CHP	5	787.255	-34.63	-13	Pass
793	805	0.00625	/	6	793.107	-55.94	-35	Pass
805	810	0.1	CHP	7	807.882	-64.17	-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)
13	5	779.5	784.5	0.2489	0.0089	ppm	4M57G7D	27F	23.96
13	5	779.5	784.5	0.2042	0.0077	ppm	4M55W7D	27F	23.10
13	10	782	782	0.2472	0.0065	ppm	9M03G7D	27F	23.93
13	10	782	782	0.2153	0.0063	ppm	9M04W7D	27F	23.33

### 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	0.0564	0.0089	ppm	4M57G7D	27F	17.51
13	5	779.5	784.5	0.0462	0.0077	ppm	4M55W7D	27F	16.65
13	10	782	782	0.0560	0.0065	ppm	9M03G7D	27F	17.48
13	10	782	782	0.0488	0.0063	ppm	9M04W7D	27F	16.88