

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B13\_5MHz\_ERP

### 1.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	779.5	1	0	22.61	-3.50	16.96	<=34.77	Pass		
			13	22.74	-3.50	17.09	<=34.77	Pass		
			24	22.63	-3.50	16.98	<=34.77	Pass		
		12	0	21.60	-3.50	15.95	<=34.77	Pass		
			6	21.76	-3.50	16.11	<=34.77	Pass		
			13	21.69	-3.50	16.04	<=34.77	Pass		
		25	0	21.67	-3.50	16.02	<=34.77	Pass		
		782	1	0	22.56	-3.50	16.91	<=34.77	Pass	
				13	22.73	-3.50	17.08	<=34.77	Pass	
	24			22.54	-3.50	16.89	<=34.77	Pass		
	12		0	21.68	-3.50	16.03	<=34.77	Pass		
			6	21.69	-3.50	16.04	<=34.77	Pass		
			13	21.65	-3.50	16.00	<=34.77	Pass		
	25		0	21.64	-3.50	15.99	<=34.77	Pass		
	784.5		1	0	22.54	-3.50	16.89	<=34.77	Pass	
				13	22.66	-3.50	17.01	<=34.77	Pass	
		24		22.48	-3.50	16.83	<=34.77	Pass		
		12	0	21.67	-3.50	16.02	<=34.77	Pass		
			6	21.70	-3.50	16.05	<=34.77	Pass		
			13	21.60	-3.50	15.95	<=34.77	Pass		
		25	0	21.66	-3.50	16.01	<=34.77	Pass		
		16QAM	779.5	1	0	21.52	-3.50	15.87	<=34.77	Pass
					13	21.65	-3.50	16.00	<=34.77	Pass
	24				21.47	-3.50	15.82	<=34.77	Pass	
12	0			20.64	-3.50	14.99	<=34.77	Pass		
	6			20.79	-3.50	15.14	<=34.77	Pass		
	13			20.67	-3.50	15.02	<=34.77	Pass		
25	0			20.73	-3.50	15.08	<=34.77	Pass		
782	1			0	21.71	-3.50	16.06	<=34.77	Pass	
				13	21.82	-3.50	16.17	<=34.77	Pass	
			24	21.68	-3.50	16.03	<=34.77	Pass		
	12		0	20.69	-3.50	15.04	<=34.77	Pass		
			6	20.69	-3.50	15.04	<=34.77	Pass		
			13	20.61	-3.50	14.96	<=34.77	Pass		
	25		0	20.71	-3.50	15.06	<=34.77	Pass		
	784.5		1	0	21.86	-3.50	16.21	<=34.77	Pass	
				13	21.96	-3.50	16.31	<=34.77	Pass	
24				21.81	-3.50	16.16	<=34.77	Pass		
12			0	20.73	-3.50	15.08	<=34.77	Pass		
			6	20.72	-3.50	15.07	<=34.77	Pass		
			13	20.65	-3.50	15.00	<=34.77	Pass		
25			0	20.67	-3.50	15.02	<=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	23.21	-3.50	17.56	<=34.77	Pass
			25	23.30	-3.50	17.65	<=34.77	Pass
			49	23.08	-3.50	17.43	<=34.77	Pass
		25	0	22.18	-3.50	16.53	<=34.77	Pass
			13	22.25	-3.50	16.60	<=34.77	Pass
			25	22.13	-3.50	16.48	<=34.77	Pass
		50	0	22.16	-3.50	16.51	<=34.77	Pass
16QAM	782	1	0	22.81	-3.50	17.16	<=34.77	Pass
			25	22.92	-3.50	17.27	<=34.77	Pass
			49	22.73	-3.50	17.08	<=34.77	Pass
		25	0	21.25	-3.50	15.60	<=34.77	Pass
			13	21.12	-3.50	15.47	<=34.77	Pass
			25	20.82	-3.50	15.17	<=34.77	Pass
		50	0	20.72	-3.50	15.07	<=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	-7.238	-0.0093	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0064	-2.5 to 2.5	Pass
					4.43	-12.603	-0.0162	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-8.640	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-6.509	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-6.652	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-5.322	-0.0068	-2.5 to 2.5	Pass
	50	3.85	-8.969	-0.0115	-2.5 to 2.5	Pass			
	782	25	0	20	3.27	-8.869	-0.0113	-2.5 to 2.5	Pass
					3.85	-8.969	-0.0115	-2.5 to 2.5	Pass
					4.43	-8.898	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-5.836	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-6.223	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-11.086	-0.0142	-2.5 to 2.5	Pass
				0	3.85	-7.811	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-11.902	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-8.340	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-7.739	-0.0099	-2.5 to 2.5	Pass
	50	3.85	-5.279	-0.0068	-2.5 to 2.5	Pass			
	784.5	25	0	20	3.27	-9.527	-0.0121	-2.5 to 2.5	Pass
					3.85	-8.869	-0.0113	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.890	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-9.184	-0.0117	-2.5 to 2.5	Pass

				0	3.85	-5.937	-0.0076	-2.5 to 2.5	Pass			
				10	3.85	-4.148	-0.0053	-2.5 to 2.5	Pass			
				30	3.85	-9.856	-0.0126	-2.5 to 2.5	Pass			
				40	3.85	-4.206	-0.0054	-2.5 to 2.5	Pass			
				50	3.85	-11.215	-0.0143	-2.5 to 2.5	Pass			
16QAM	779.5	25	0	20	3.27	-4.992	-0.0064	-2.5 to 2.5	Pass			
					3.85	-8.140	-0.0104	-2.5 to 2.5	Pass			
					4.43	-8.383	-0.0108	-2.5 to 2.5	Pass			
				-30	3.85	-9.112	-0.0117	-2.5 to 2.5	Pass			
				-20	3.85	-6.266	-0.0080	-2.5 to 2.5	Pass			
				-10	3.85	-5.178	-0.0066	-2.5 to 2.5	Pass			
				0	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass			
				10	3.85	-1.388	-0.0018	-2.5 to 2.5	Pass			
				30	3.85	-5.221	-0.0067	-2.5 to 2.5	Pass			
				40	3.85	-2.060	-0.0026	-2.5 to 2.5	Pass			
				50	3.85	-7.524	-0.0097	-2.5 to 2.5	Pass			
				782	25	0	20	3.27	-3.848	-0.0049	-2.5 to 2.5	Pass
								3.85	-6.437	-0.0082	-2.5 to 2.5	Pass
								4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
							-30	3.85	-5.093	-0.0065	-2.5 to 2.5	Pass
	-20	3.85	-3.648				-0.0047	-2.5 to 2.5	Pass			
	-10	3.85	-4.306				-0.0055	-2.5 to 2.5	Pass			
	0	3.85	-5.164				-0.0066	-2.5 to 2.5	Pass			
	10	3.85	-9.613				-0.0123	-2.5 to 2.5	Pass			
	30	3.85	-6.351				-0.0081	-2.5 to 2.5	Pass			
	40	3.85	-5.164				-0.0066	-2.5 to 2.5	Pass			
	50	3.85	0.200				0.0003	-2.5 to 2.5	Pass			
	784.5	25	0				20	3.27	-6.809	-0.0087	-2.5 to 2.5	Pass
								3.85	-9.198	-0.0117	-2.5 to 2.5	Pass
								4.43	-7.181	-0.0092	-2.5 to 2.5	Pass
							-30	3.85	-1.602	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0063	-2.5 to 2.5	Pass			
				-10	3.85	-11.644	-0.0148	-2.5 to 2.5	Pass			
				0	3.85	-8.640	-0.0110	-2.5 to 2.5	Pass			
				10	3.85	-10.285	-0.0131	-2.5 to 2.5	Pass			
30				3.85	-7.124	-0.0091	-2.5 to 2.5	Pass				
40				3.85	-8.397	-0.0107	-2.5 to 2.5	Pass				
50				3.85	-7.882	-0.0100	-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	-6.580	-0.0084	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0072	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-5.193	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-6.824	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-6.080	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-3.691	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-5.536	-0.0071	-2.5 to 2.5	Pass

16QAM	782	50	0	20	3.27	-8.111	-0.0104	-2.5 to 2.5	Pass
					3.85	-5.937	-0.0076	-2.5 to 2.5	Pass
					4.43	-8.912	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-6.895	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-4.020	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-8.368	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-7.010	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-7.982	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-7.010	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-8.240	-0.0105	-2.5 to 2.5	Pass

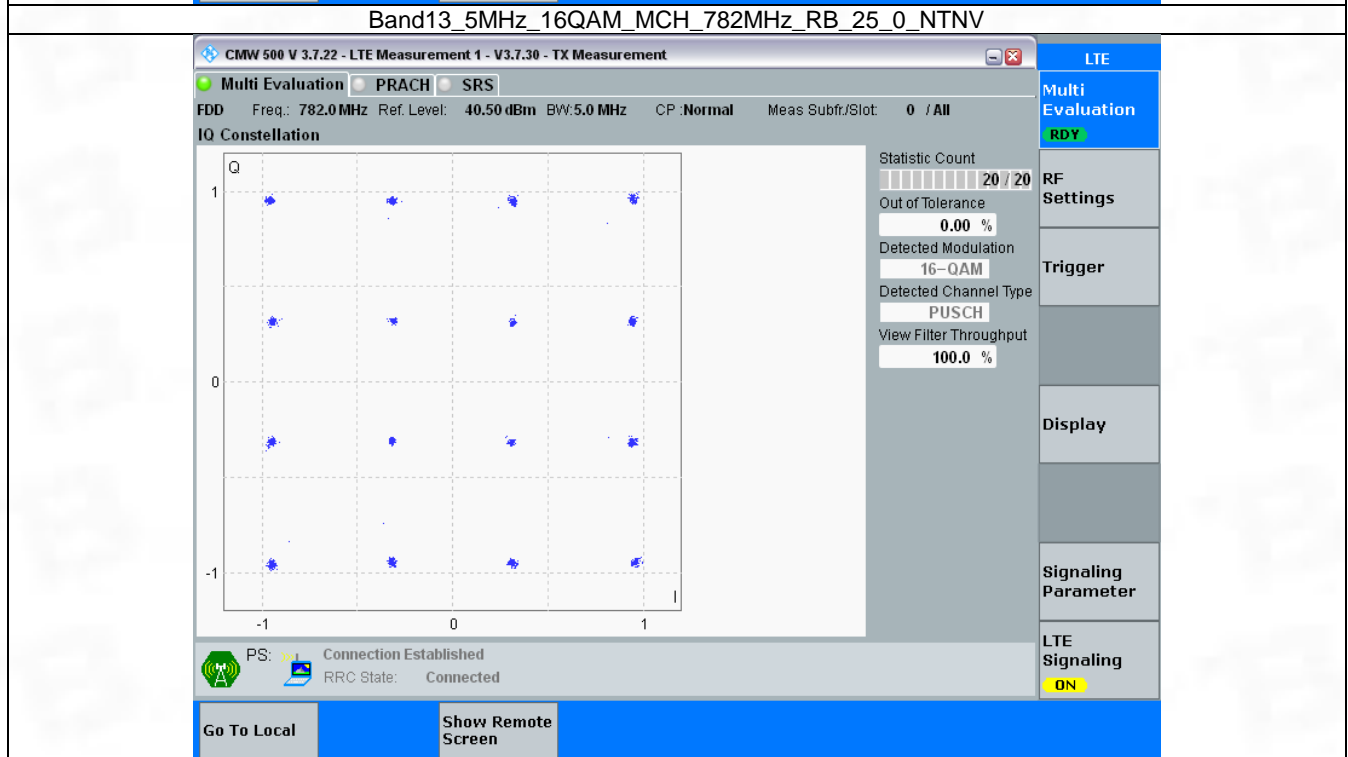
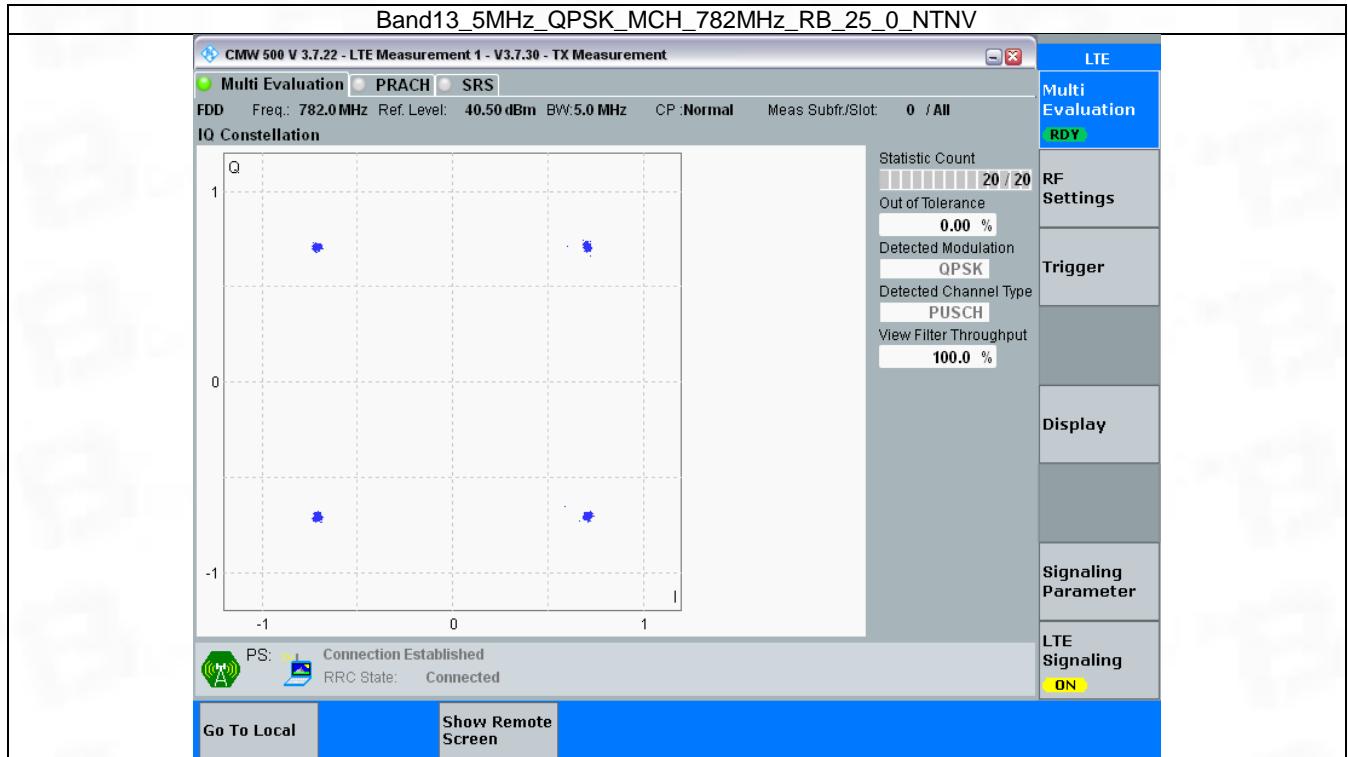
### 3. Modulation Characteristics

#### 3.1 B13\_5MHz

##### 3.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTV						
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

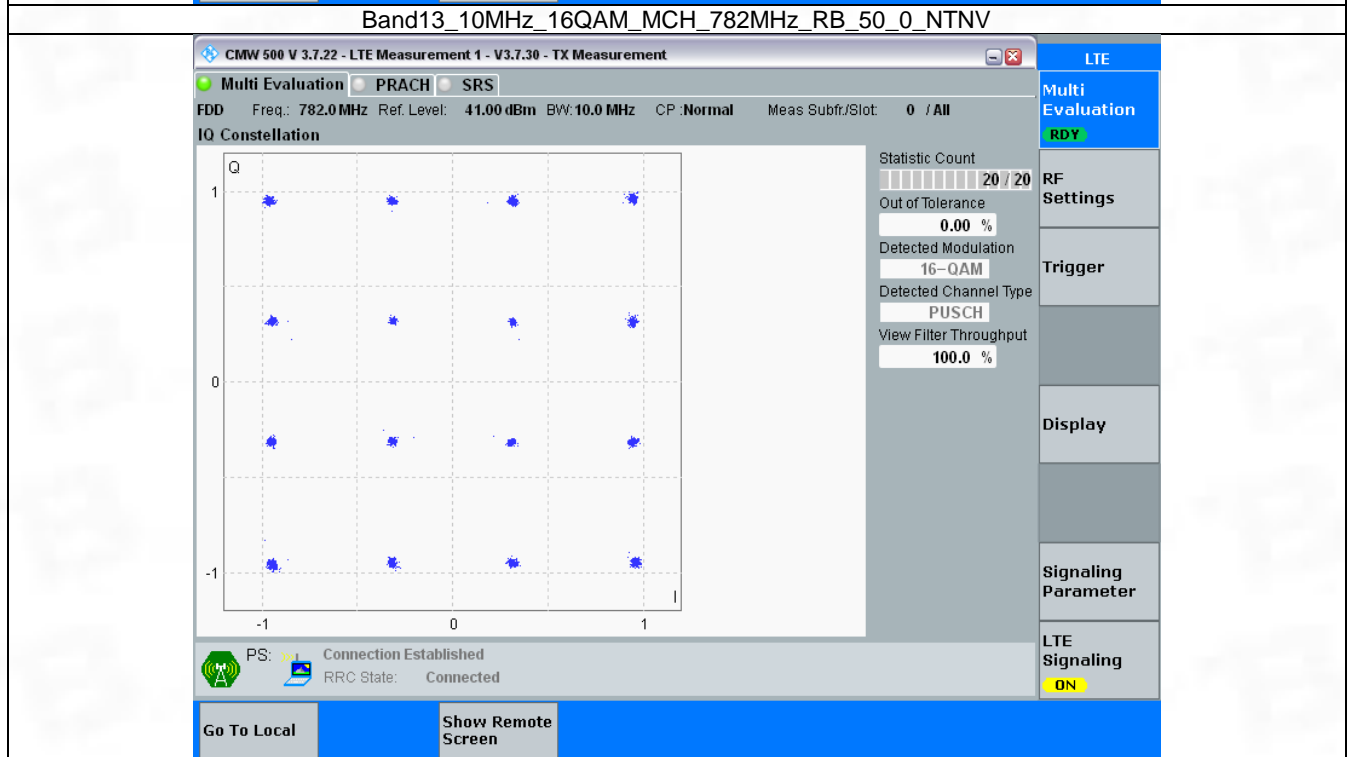
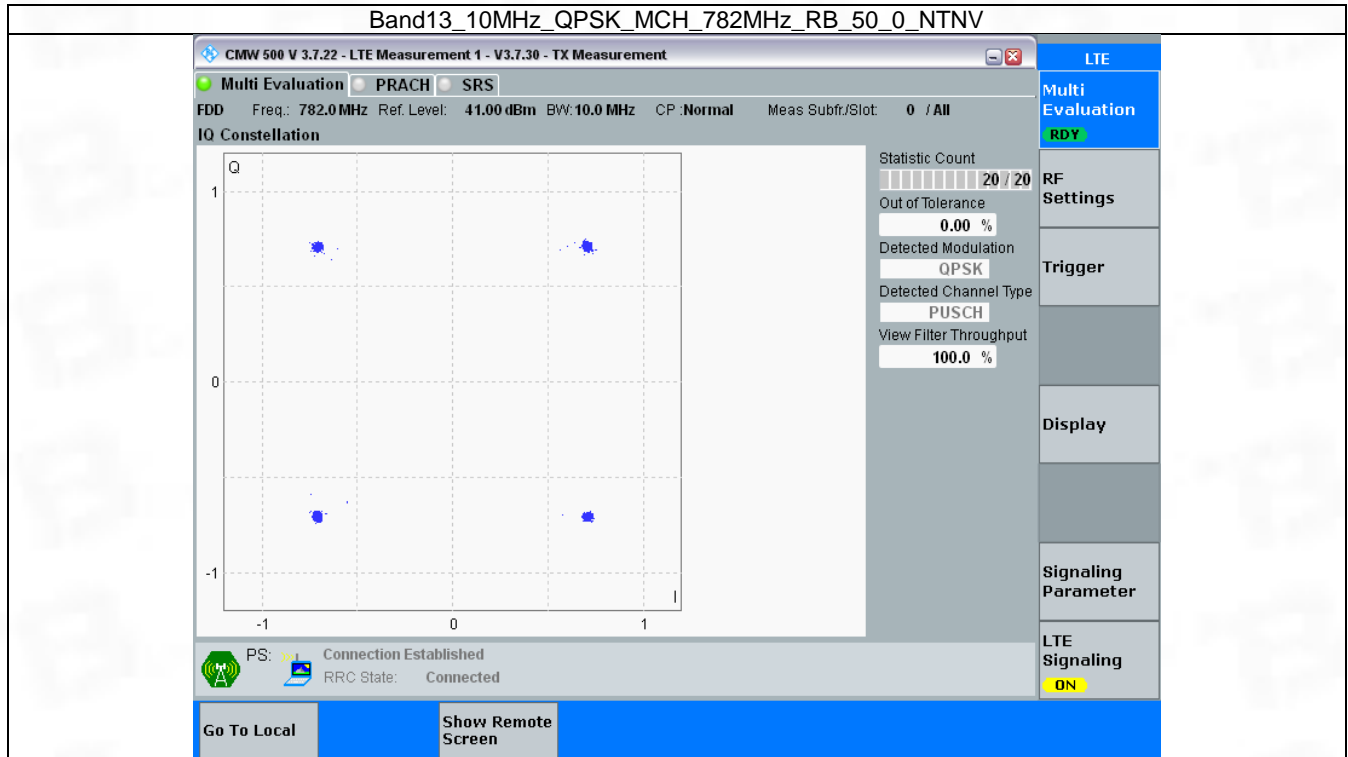


## 3.2 B13\_10MHz

### 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

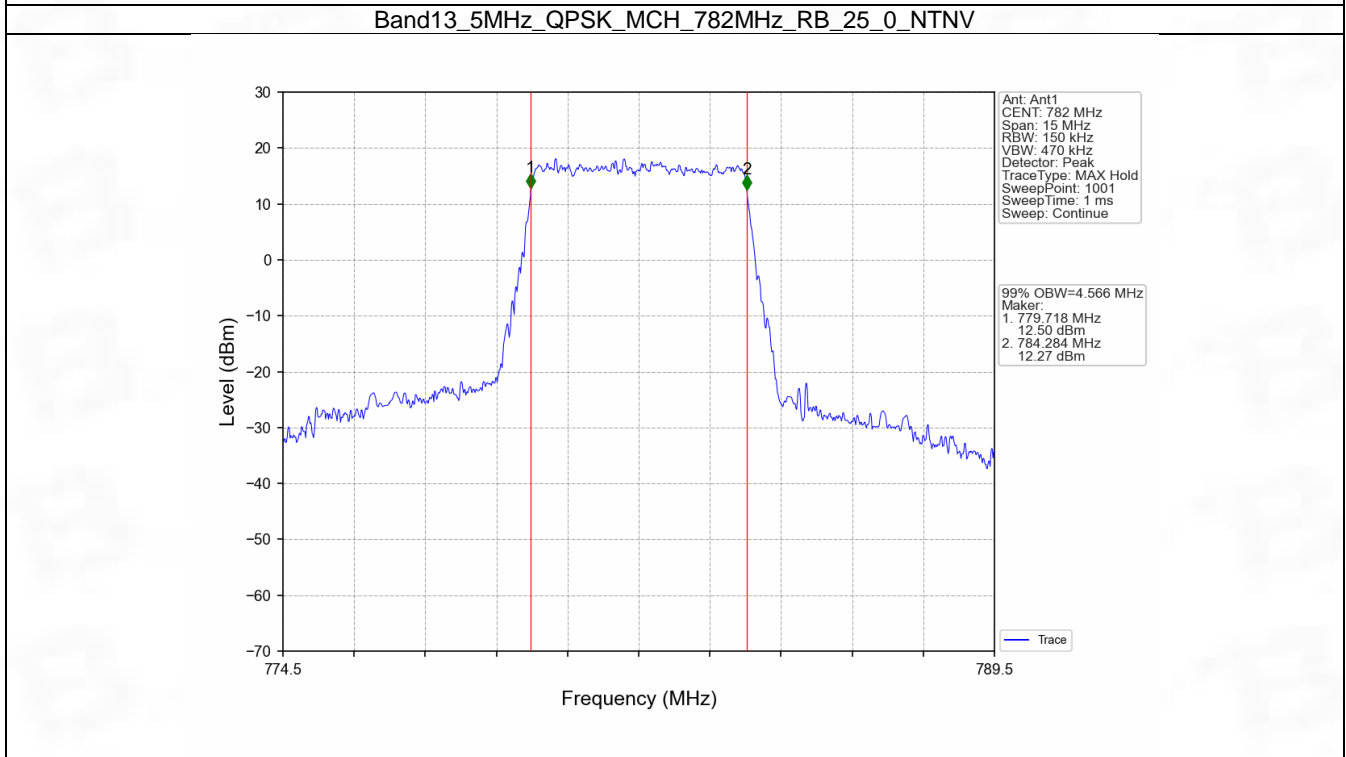
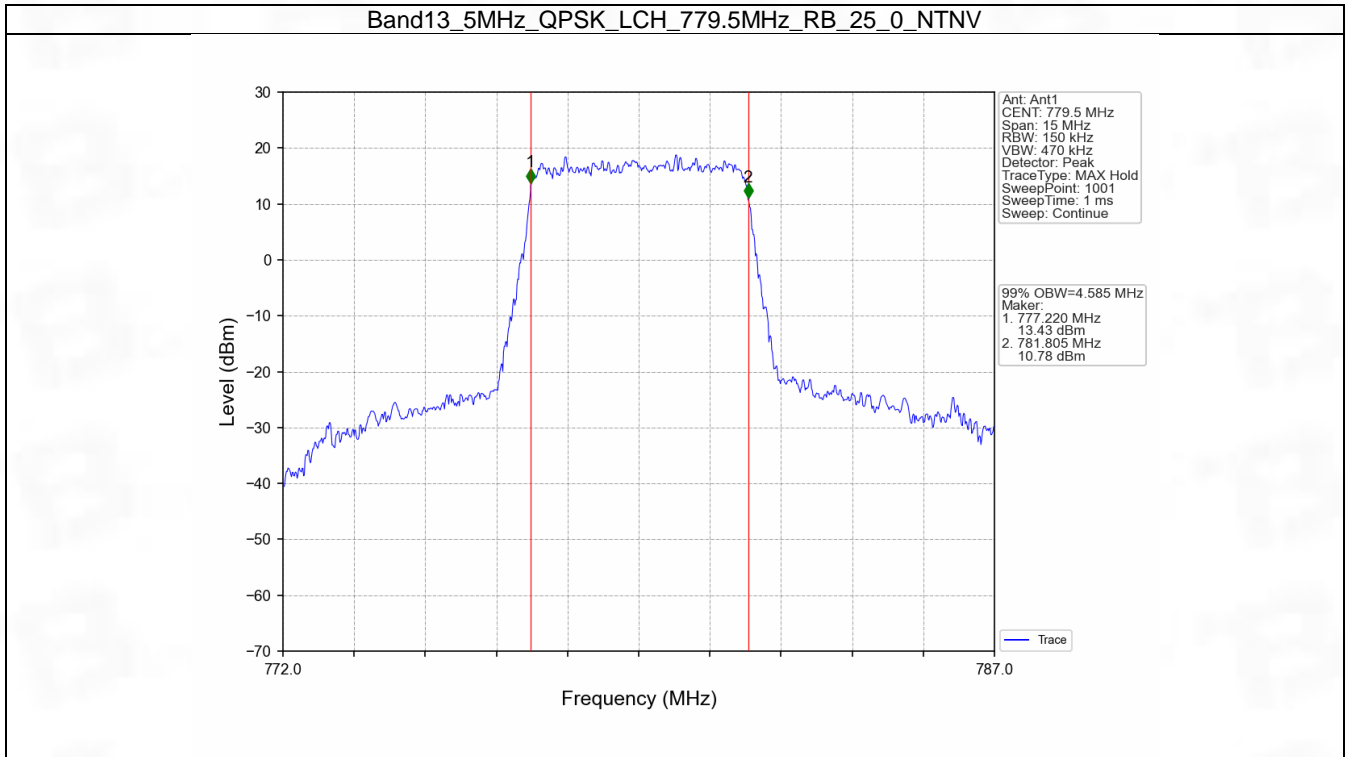
### 4.1 Band13\_OBW

#### 4.1.1 Test Result

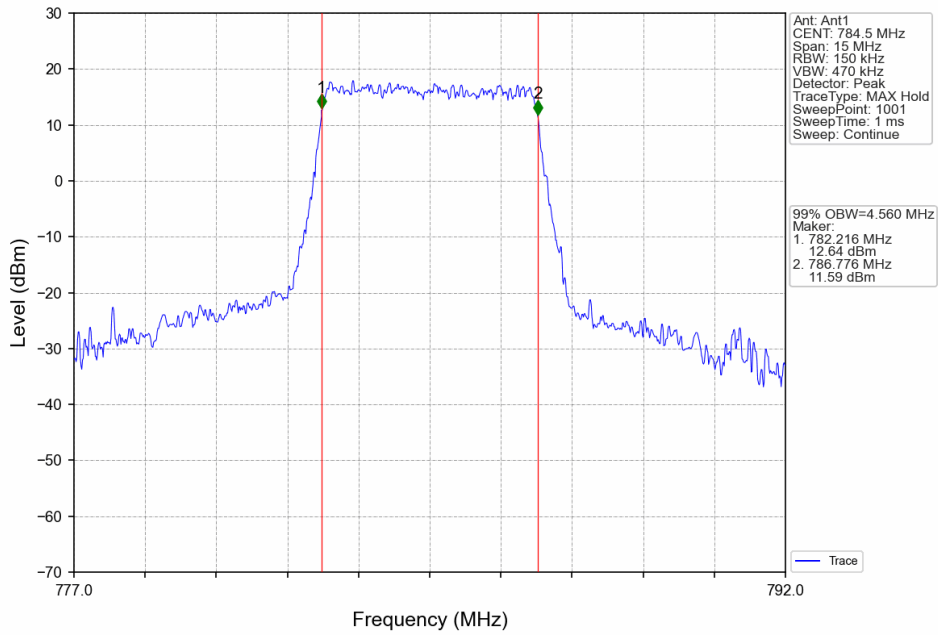
Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.585	/	Pass
		782	25	0	4.566	/	Pass
		784.5	25	0	4.560	/	Pass
	16QAM	779.5	25	0	4.547	/	Pass
		782	25	0	4.576	/	Pass
		784.5	25	0	4.587	/	Pass
10	QPSK	782	50	0	9.068	/	Pass
	16QAM	782	50	0	9.055	/	Pass



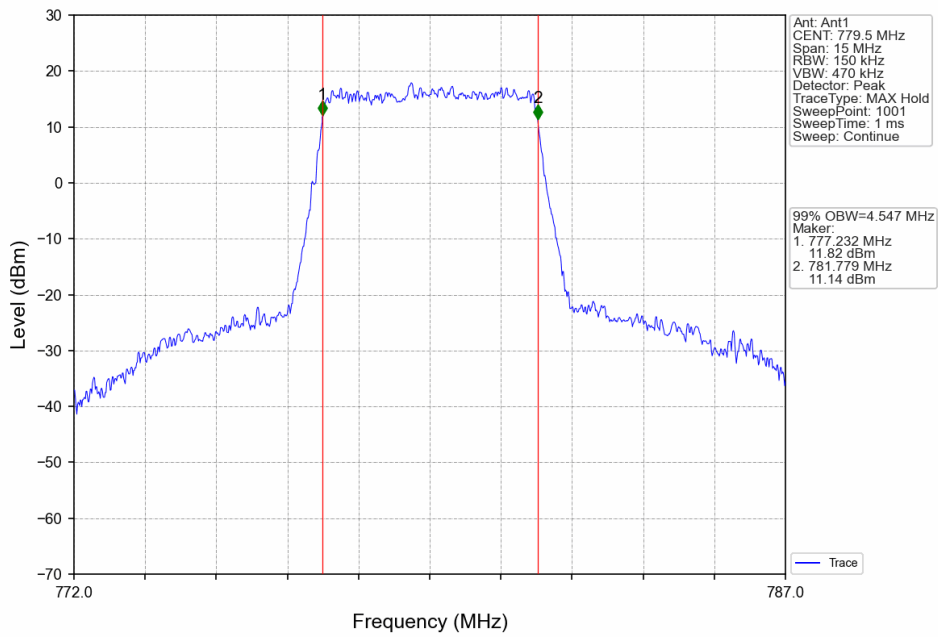
### 4.1.2 Test Graph



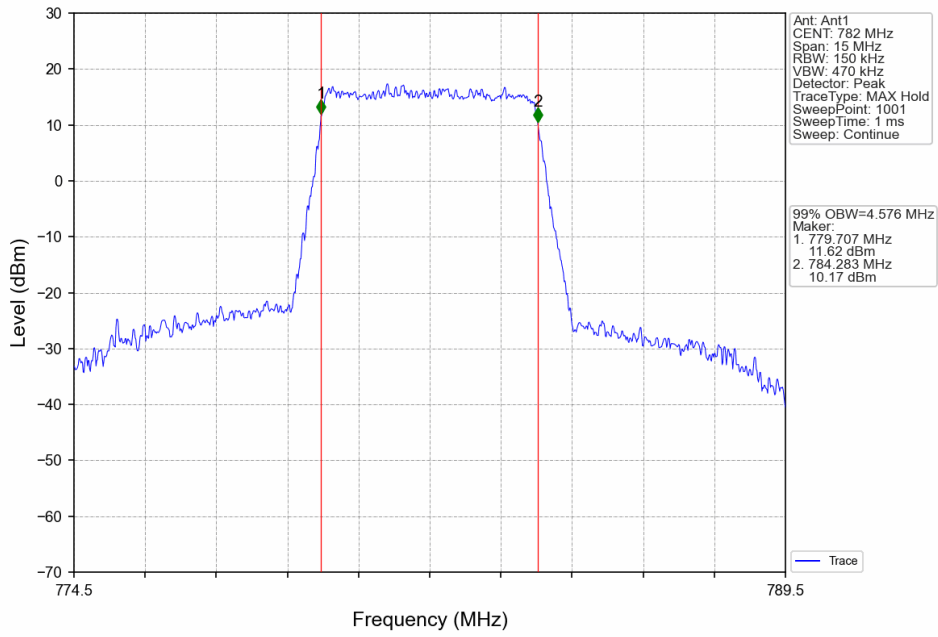
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



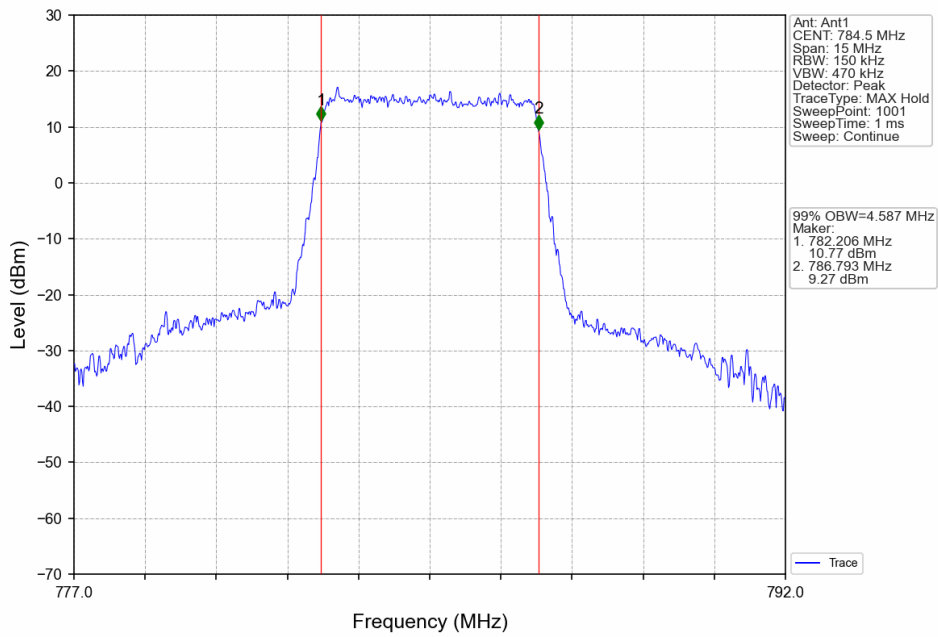
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



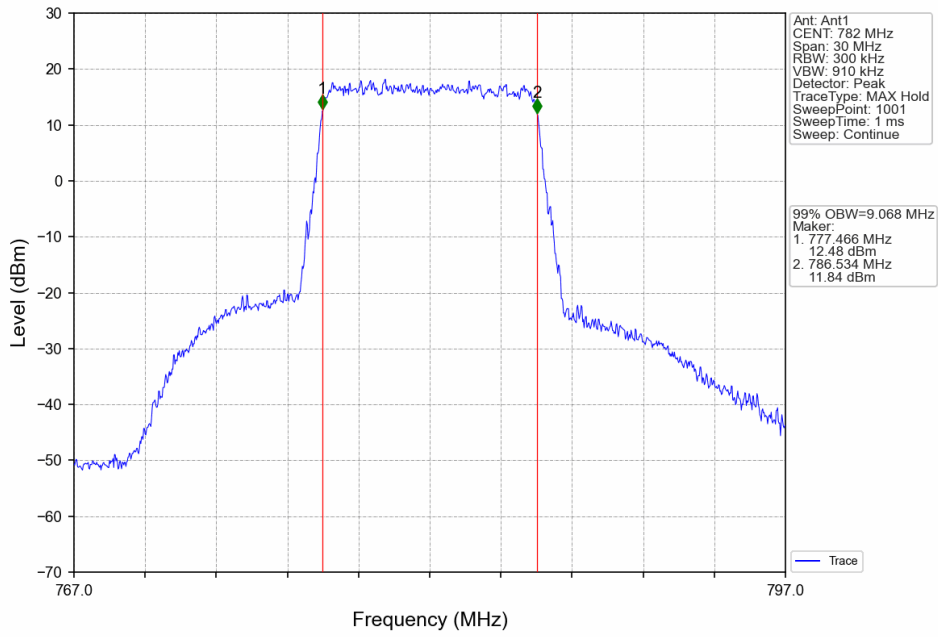
Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_25\_0\_NTNV



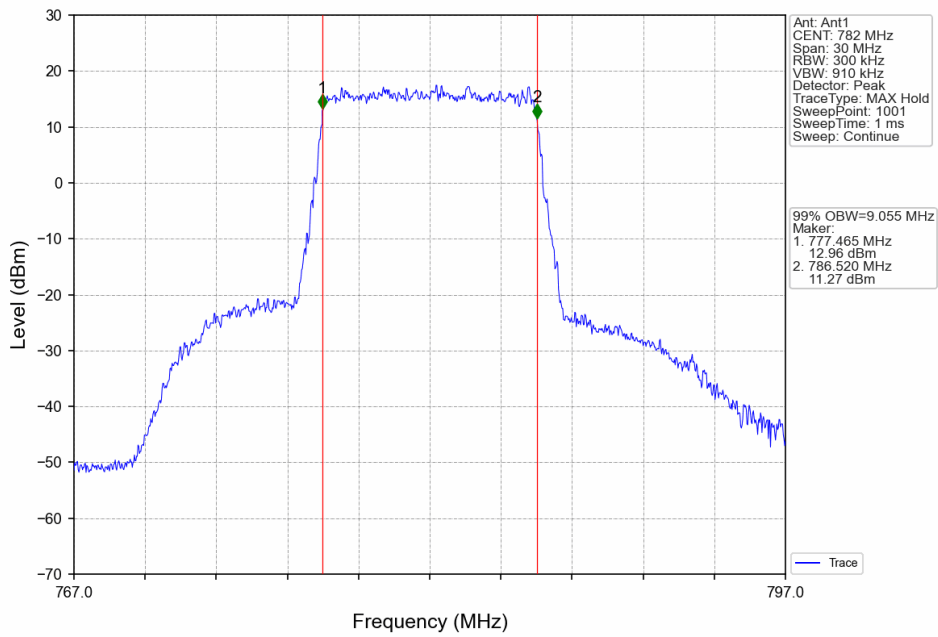
Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



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



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

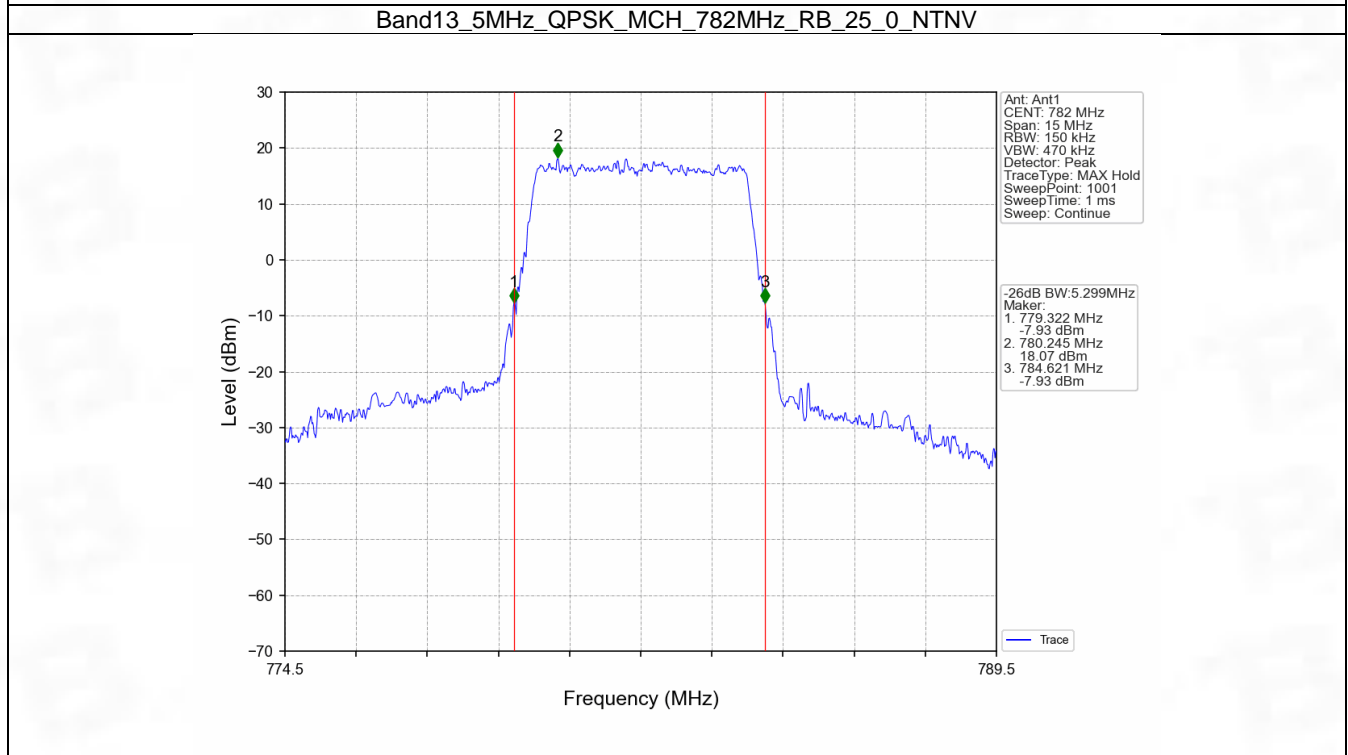
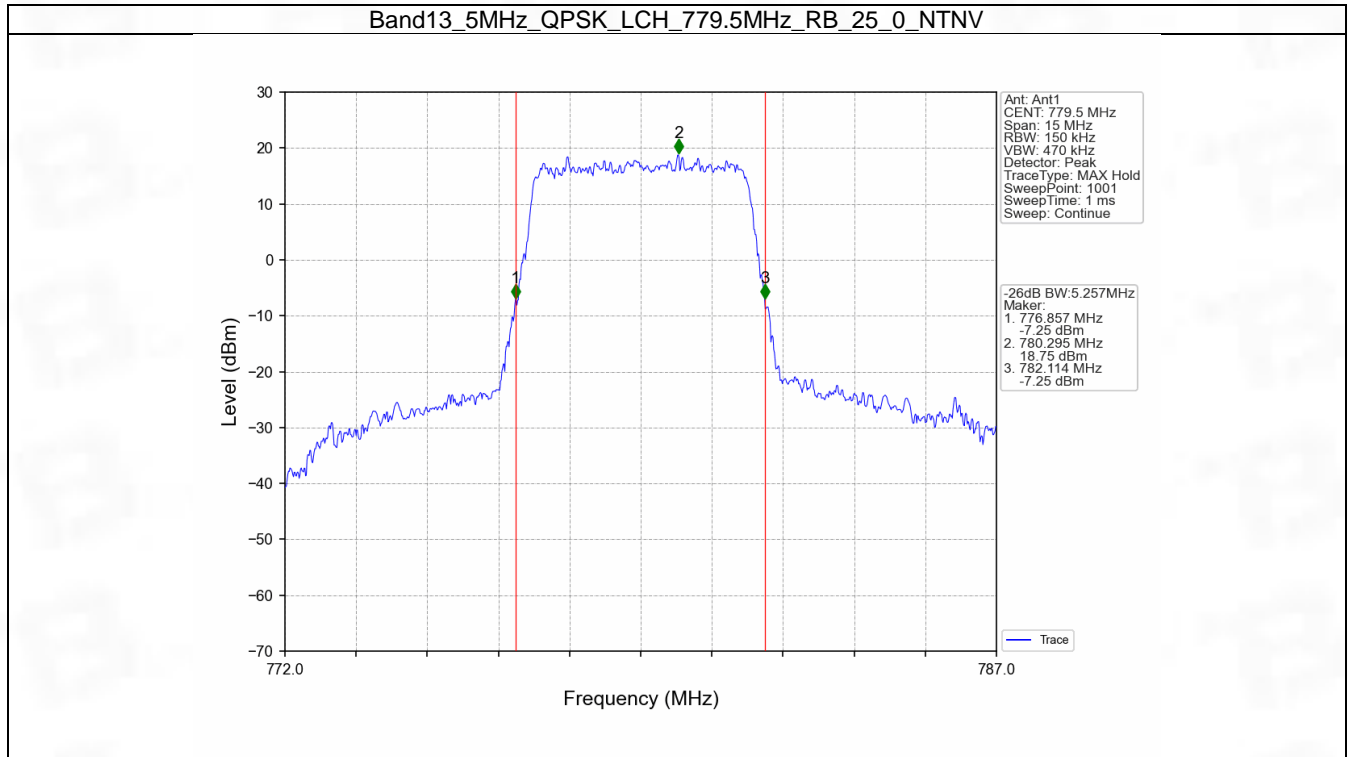


## 4.2 Band13\_XDB

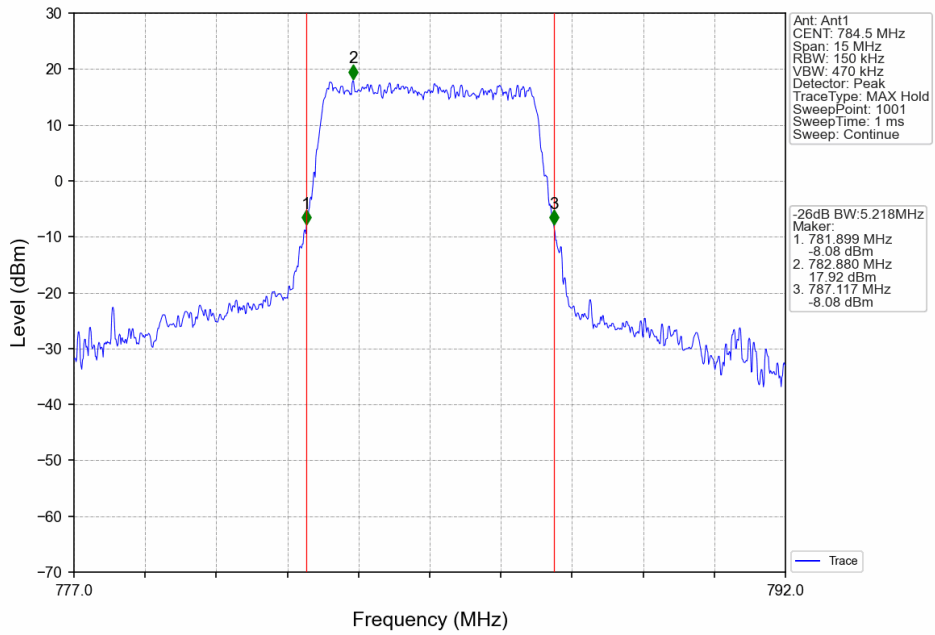
### 4.2.1 Test Result

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.257	/	Pass
		782	25	0	5.299	/	Pass
		784.5	25	0	5.218	/	Pass
	16QAM	779.5	25	0	5.244	/	Pass
		782	25	0	5.239	/	Pass
		784.5	25	0	5.241	/	Pass
10	QPSK	782	50	0	10.402	/	Pass
	16QAM	782	50	0	10.138	/	Pass

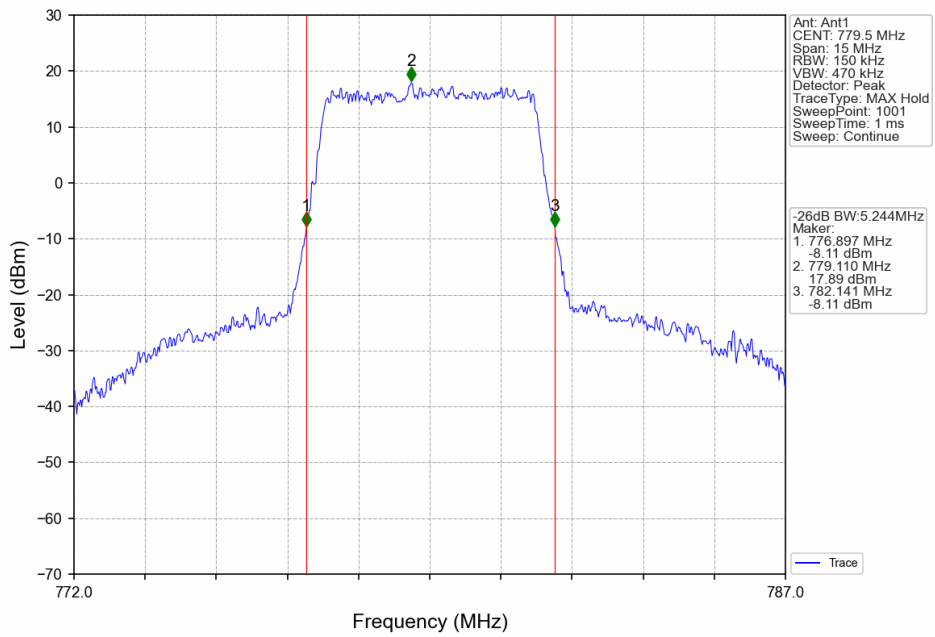
## 4.2.2 Test Graph



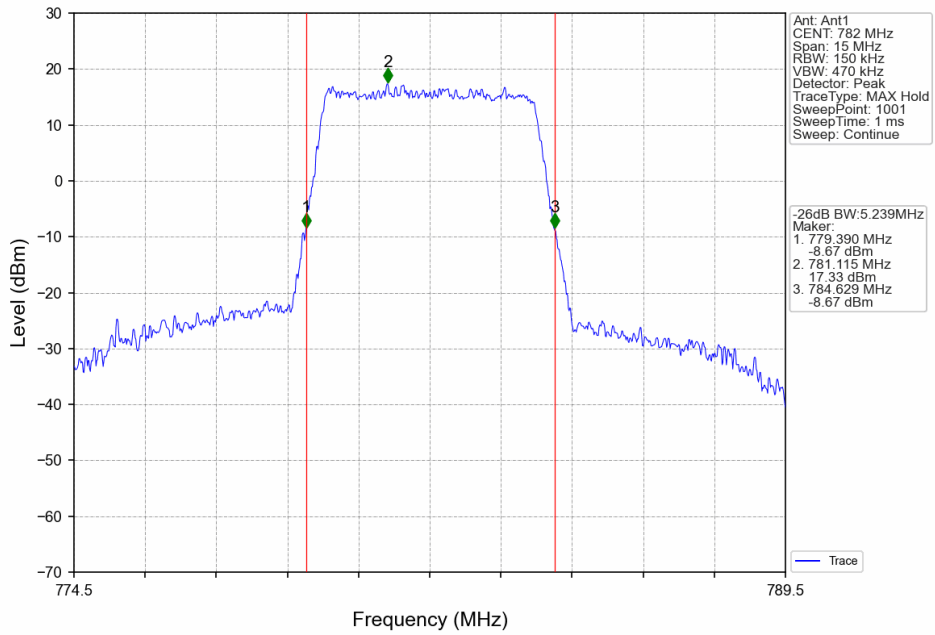
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



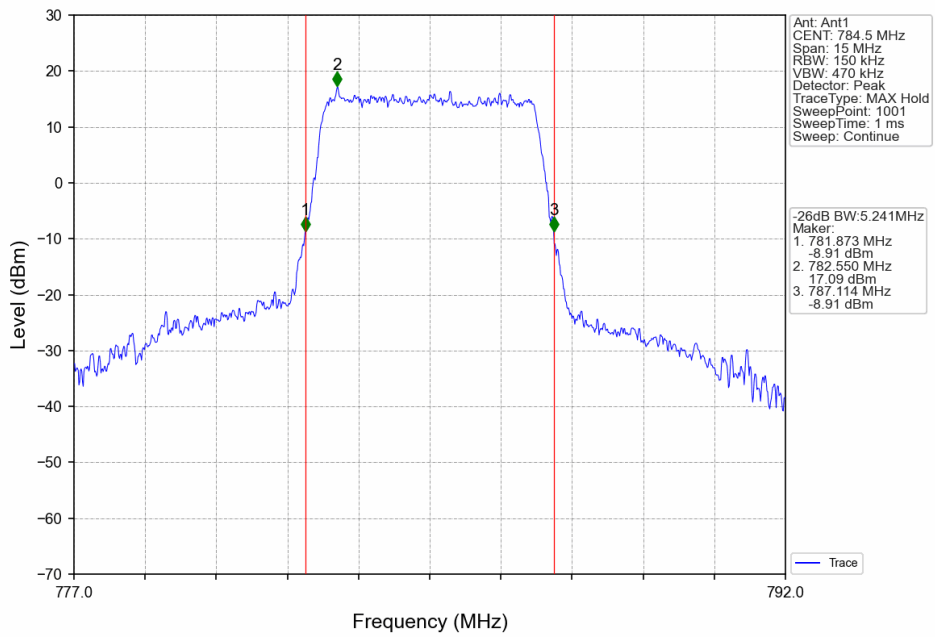
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



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

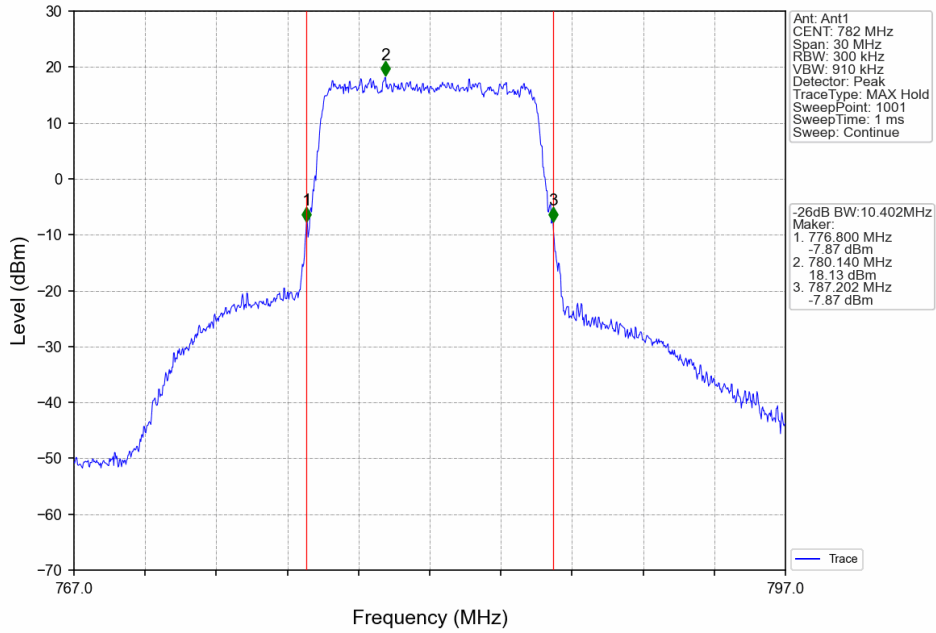


Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTNV

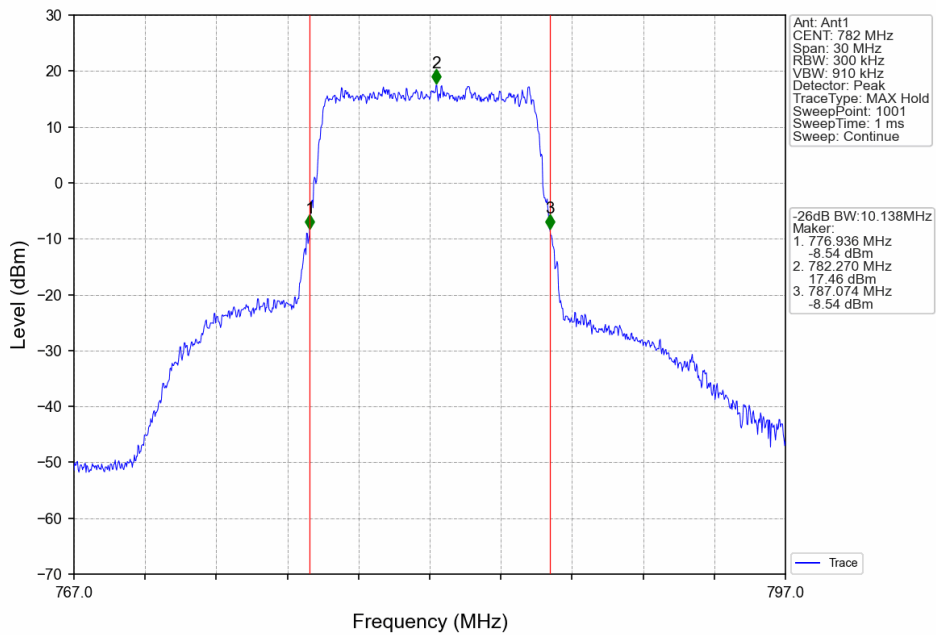




Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_50\_0\_NTNV



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



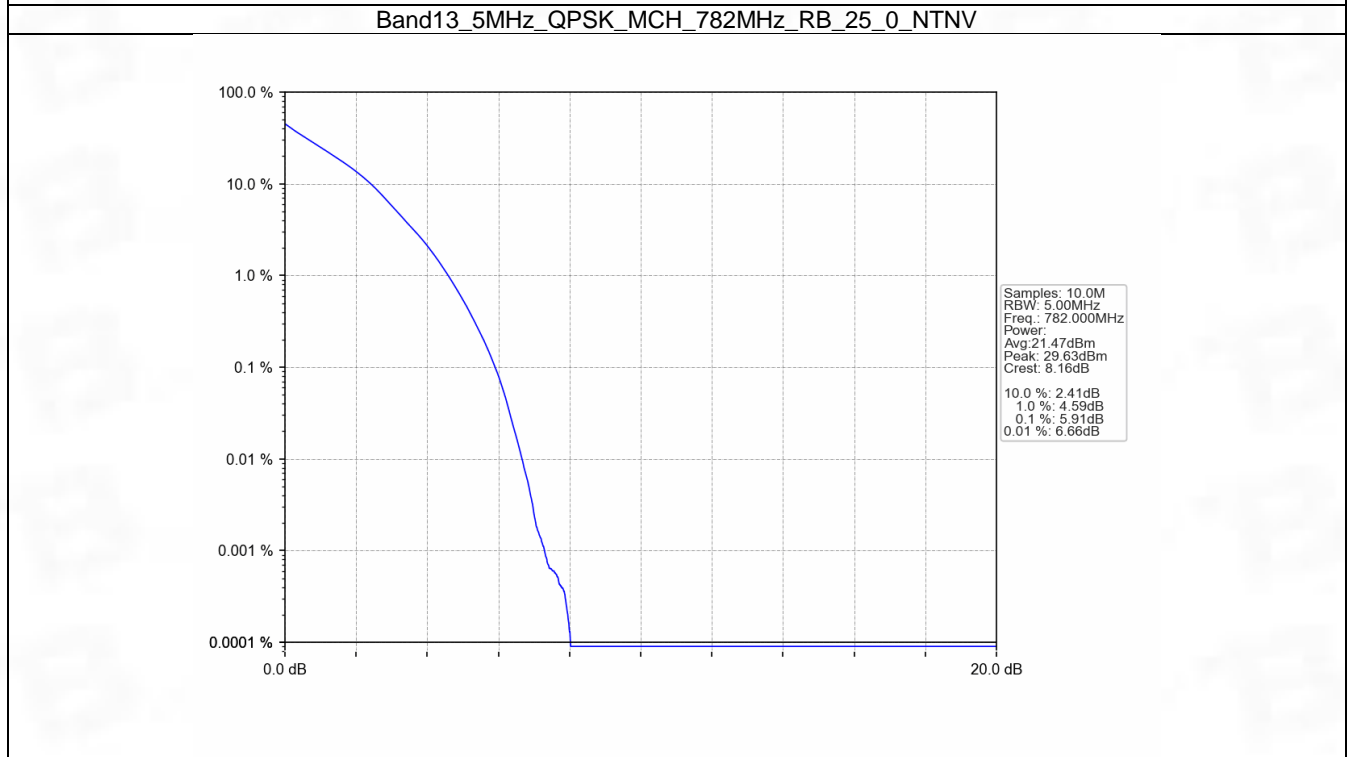
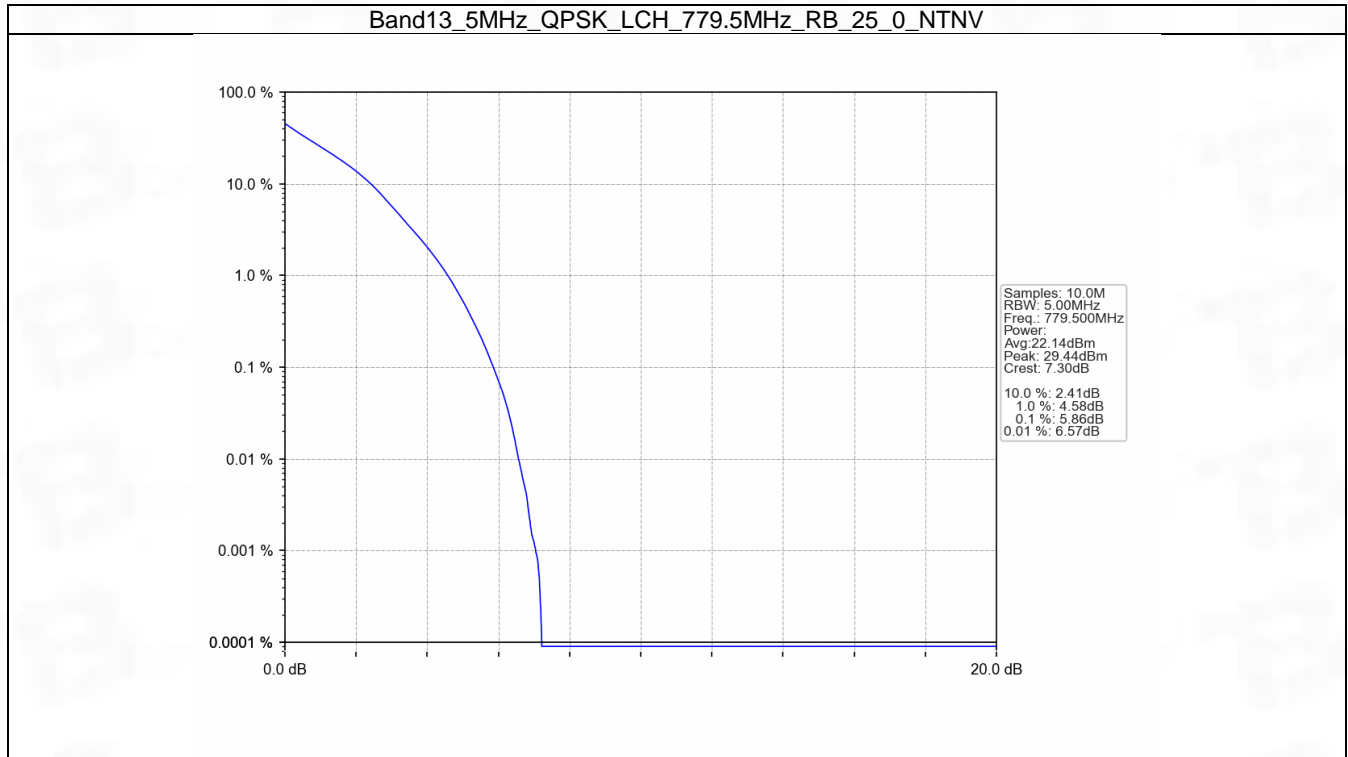
## 5. Peak-Average Ratio

### 5.1 B13\_5MHz

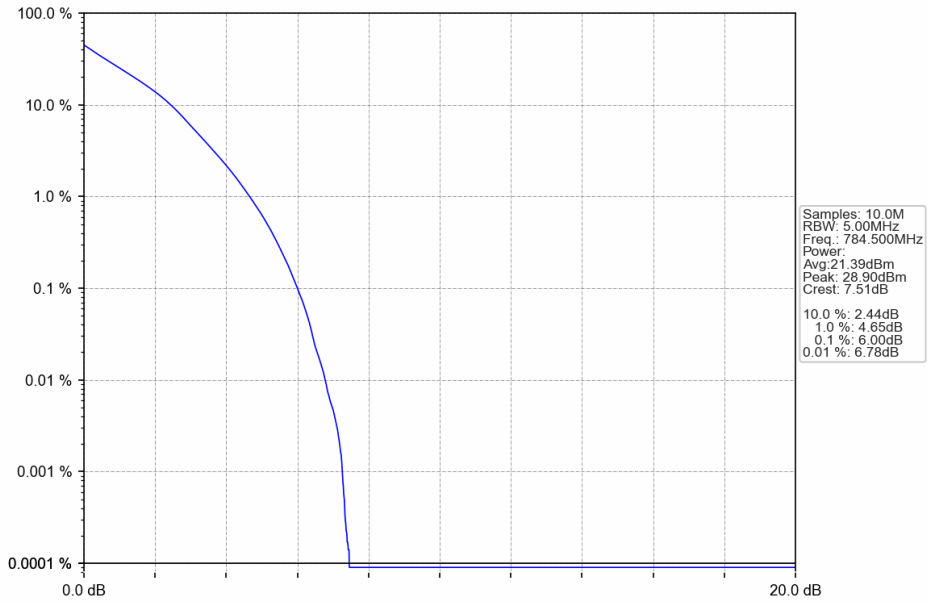
#### 5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.86	<=13	Pass
	782	25	0	5.91	<=13	Pass
	784.5	25	0	6.00	<=13	Pass
16QAM	779.5	25	0	6.61	<=13	Pass
	782	25	0	6.58	<=13	Pass
	784.5	25	0	6.64	<=13	Pass

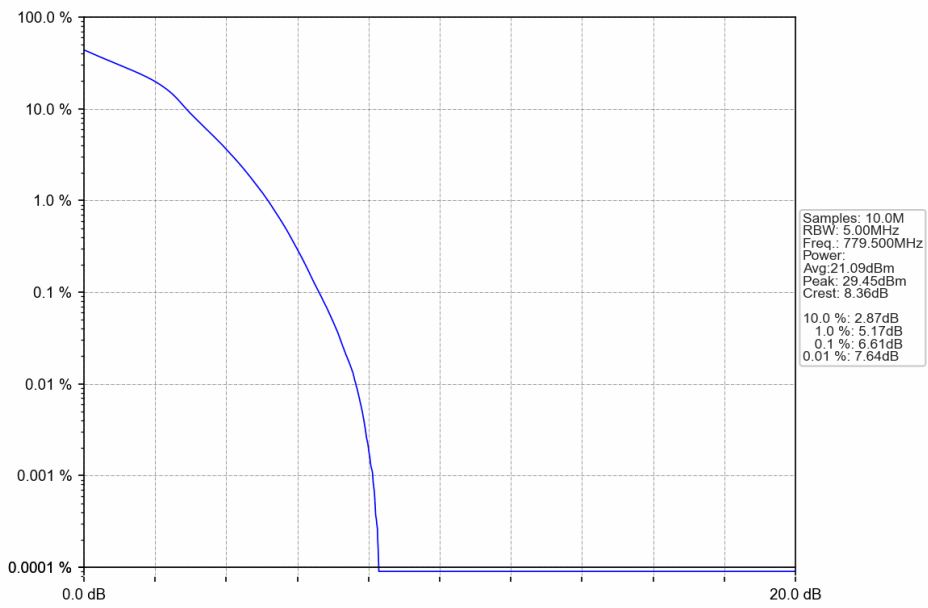
### 5.1.2 Test Graph



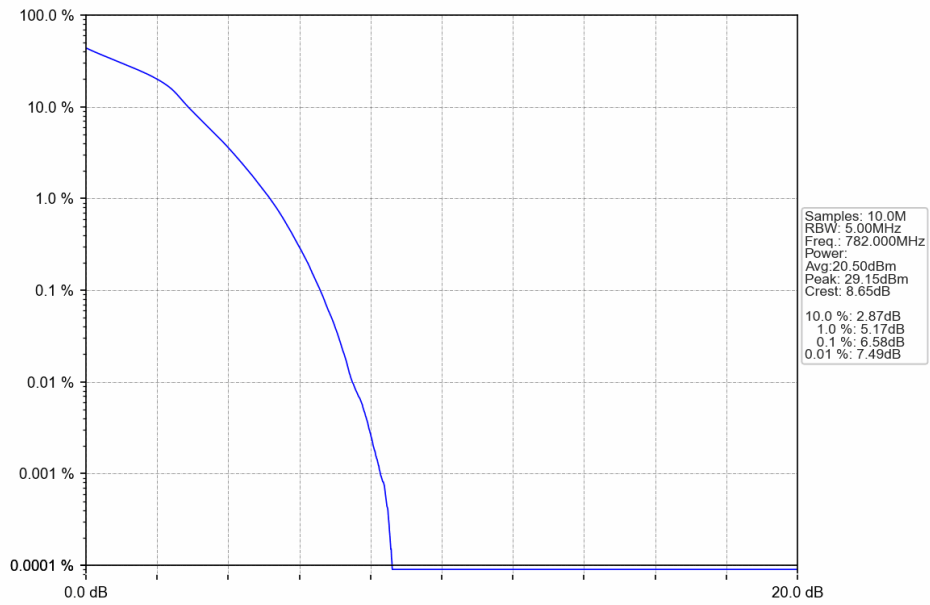
Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



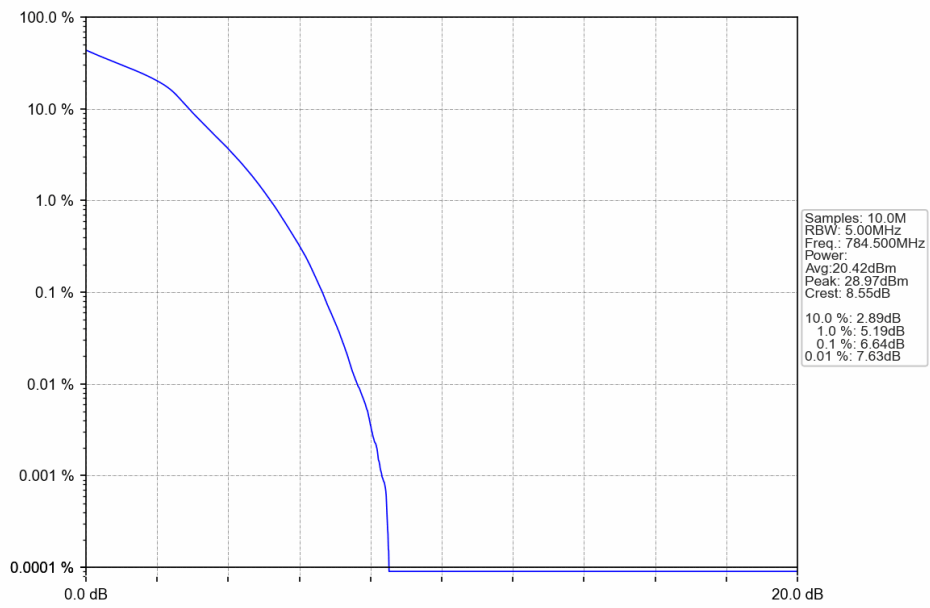
Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



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



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

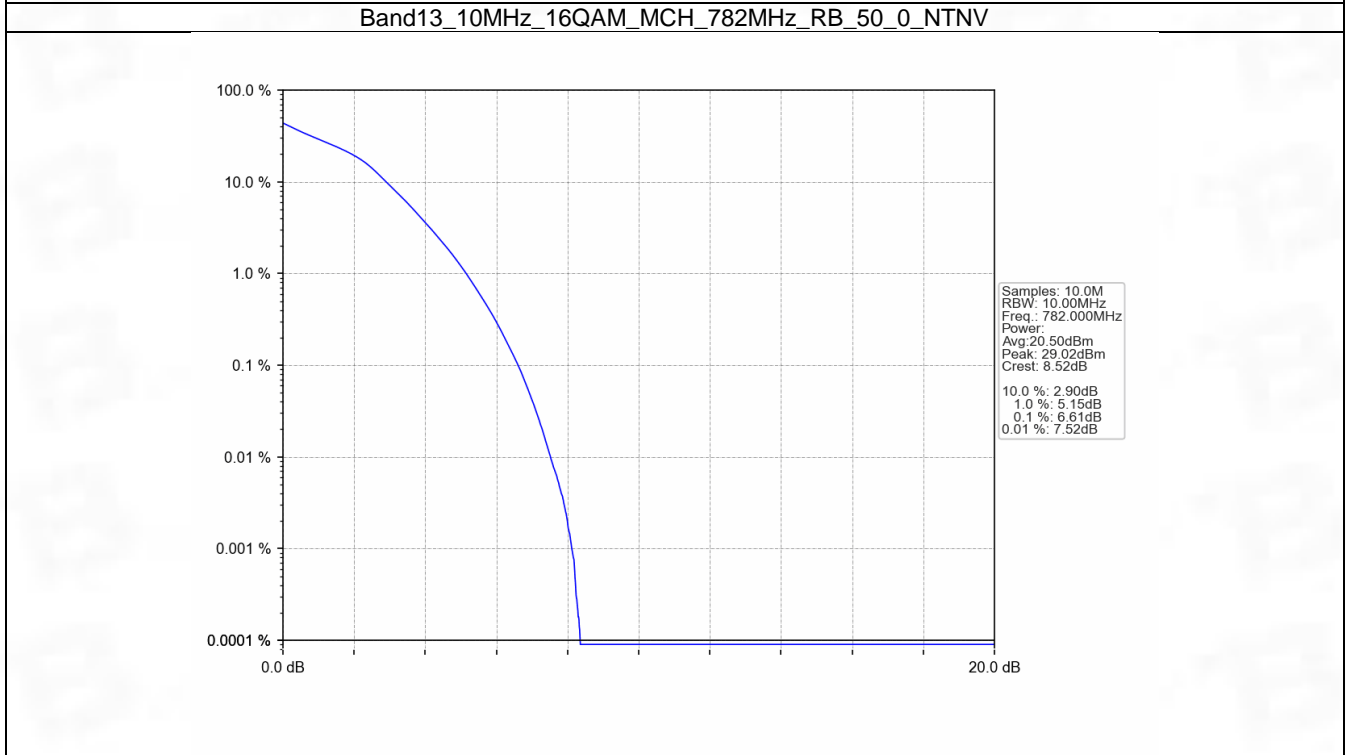
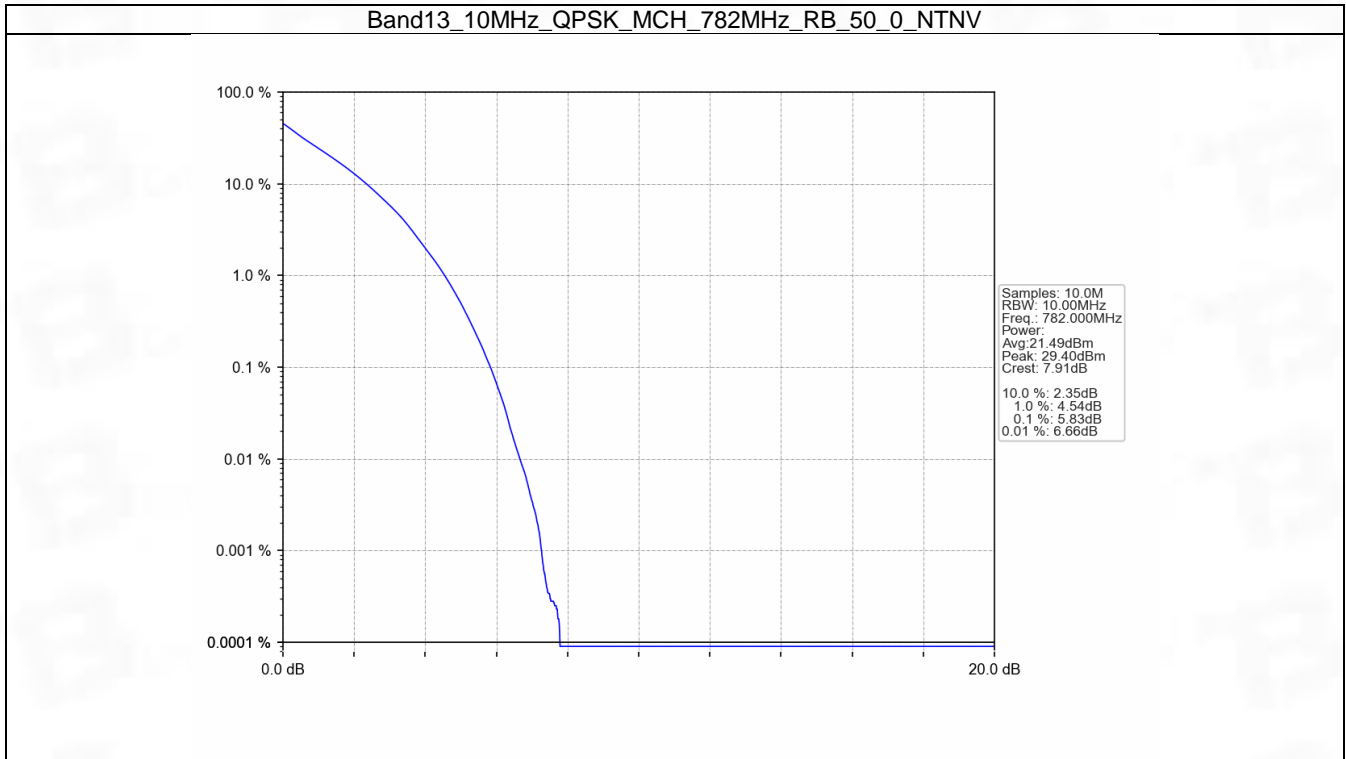


## 5.2 B13\_10MHz

### 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	5.83	<=13	Pass
16QAM	782	50	0	6.61	<=13	Pass

## 5.2.2 Test Graph



## 6. Spurious Emission

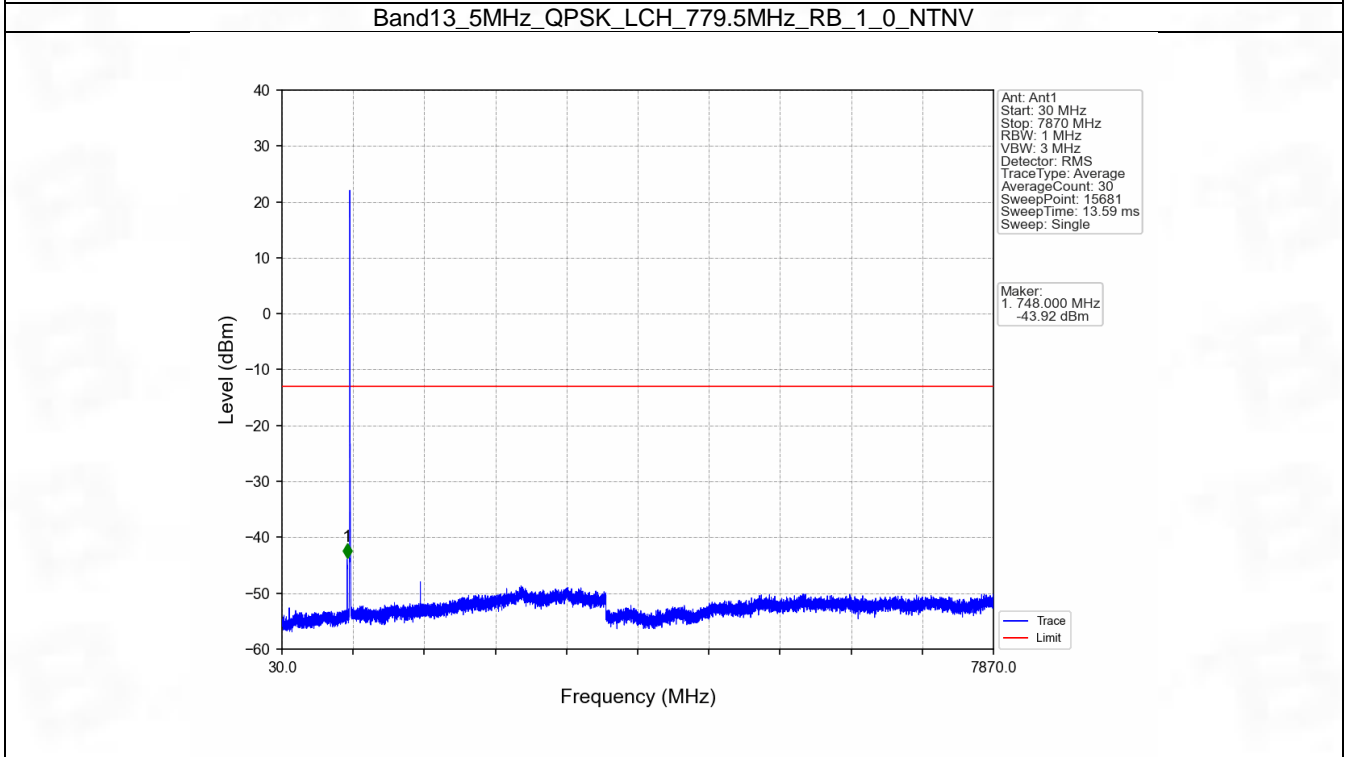
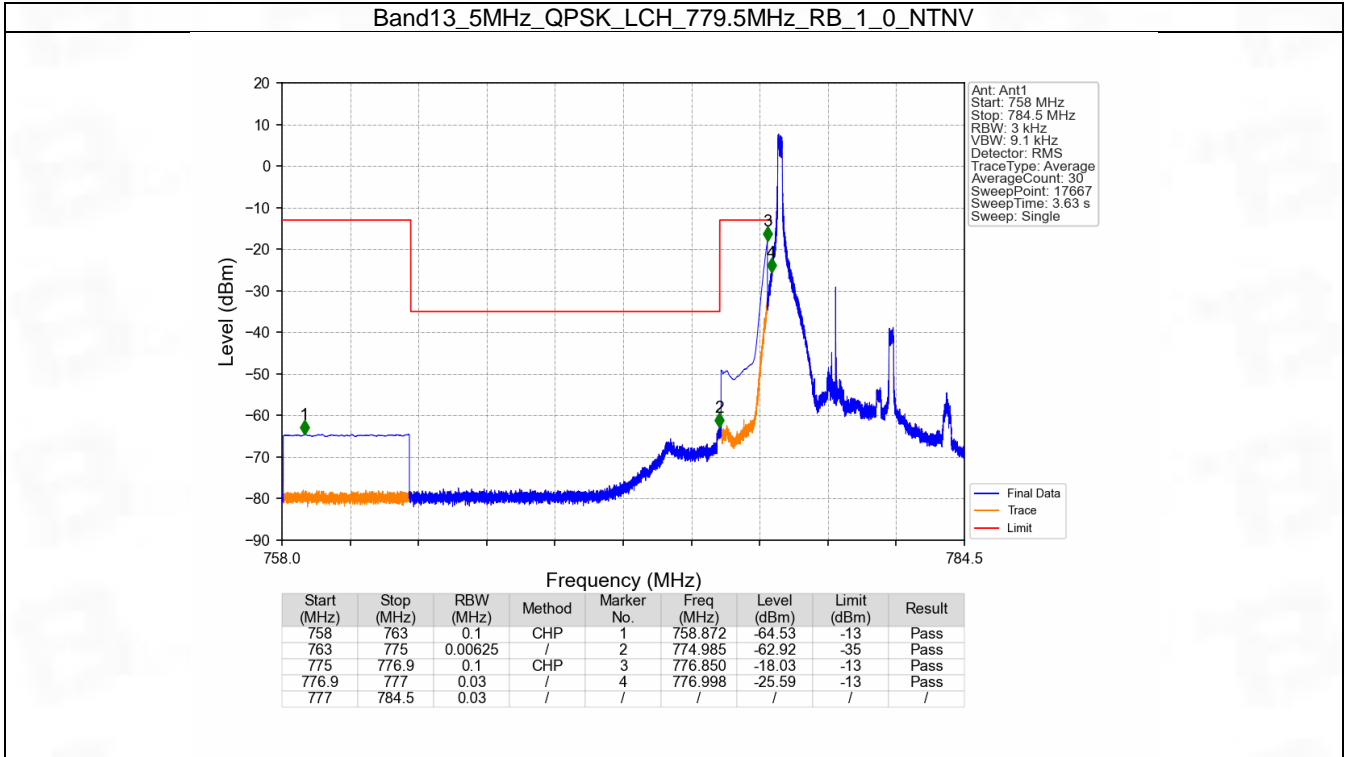
### 6.1 B13\_5MHz

#### 6.1.1 Test Result

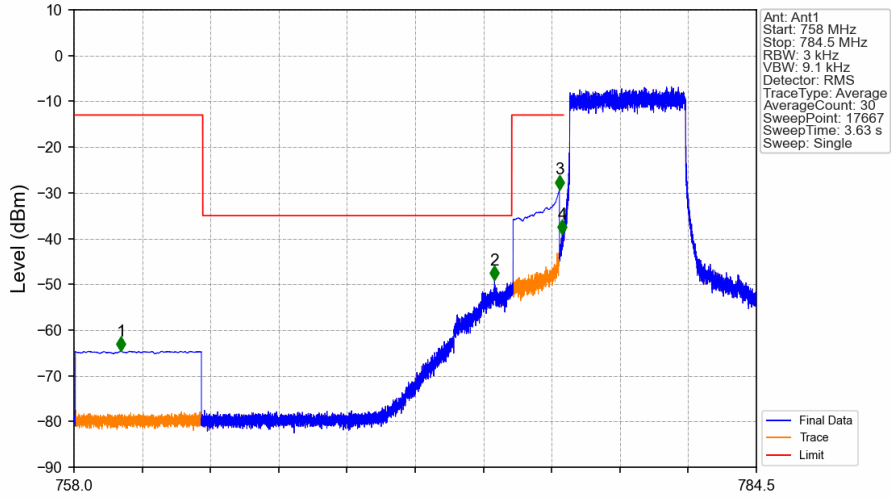
Band: 13 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph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



### 6.1.2 Test Graph

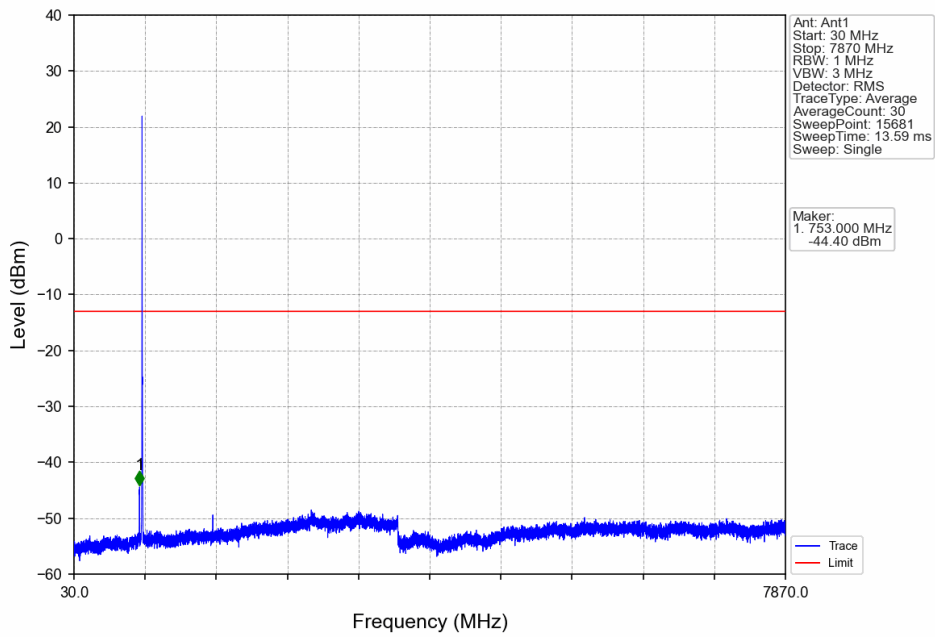


Band13\_5MHz\_QPSK\_LCH\_779.5MHz\_RB\_25\_0\_NTNV

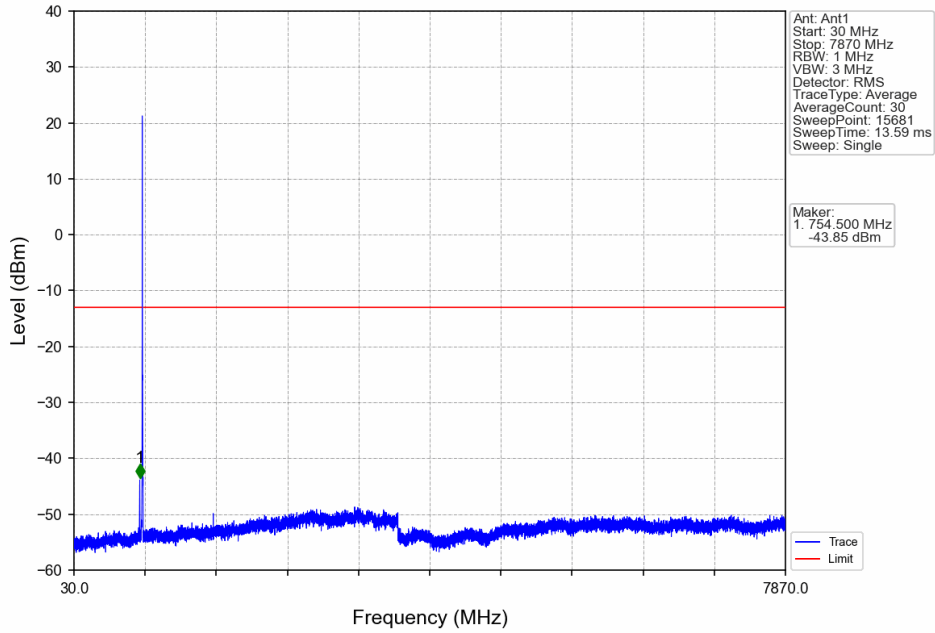


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.820	-64.62	-13	Pass
763	775	0.00625	/	2	774.333	-49.12	-35	Pass
775	776.9	0.1	CHP	3	776.850	-29.24	-13	Pass
776.9	777	0.03	/	4	776.961	-39.04	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

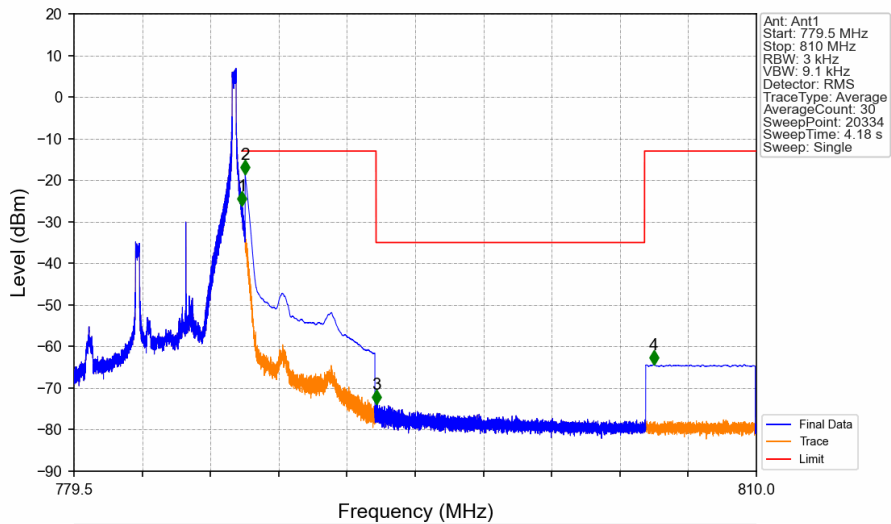
Band13\_5MHz\_QPSK\_MCH\_782MHz\_RB\_1\_0\_NTNV



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

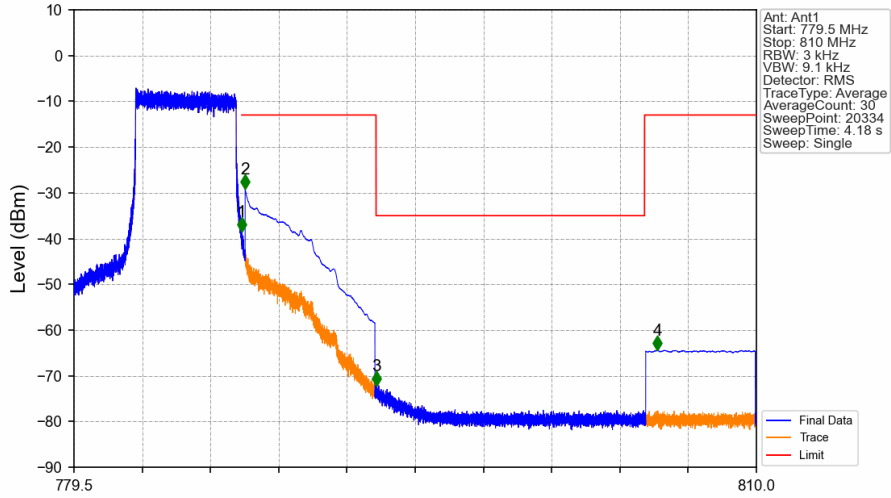


Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_1\_24\_NTNV



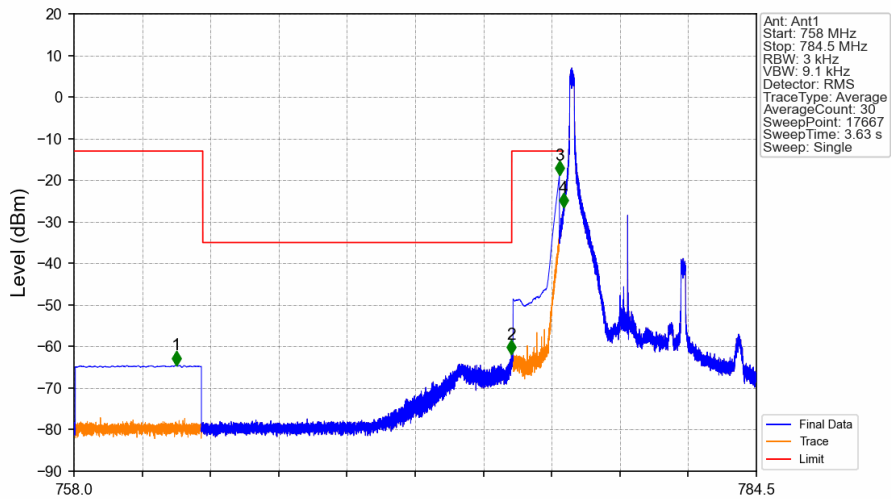
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.011	-26.21	-13	Pass
787.1	793	0.1	CHP	2	787.150	-18.66	-13	Pass
793	805	0.00625	/	3	793.017	-73.92	-35	Pass
805	810	0.1	CHP	4	805.419	-64.33	-13	Pass

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



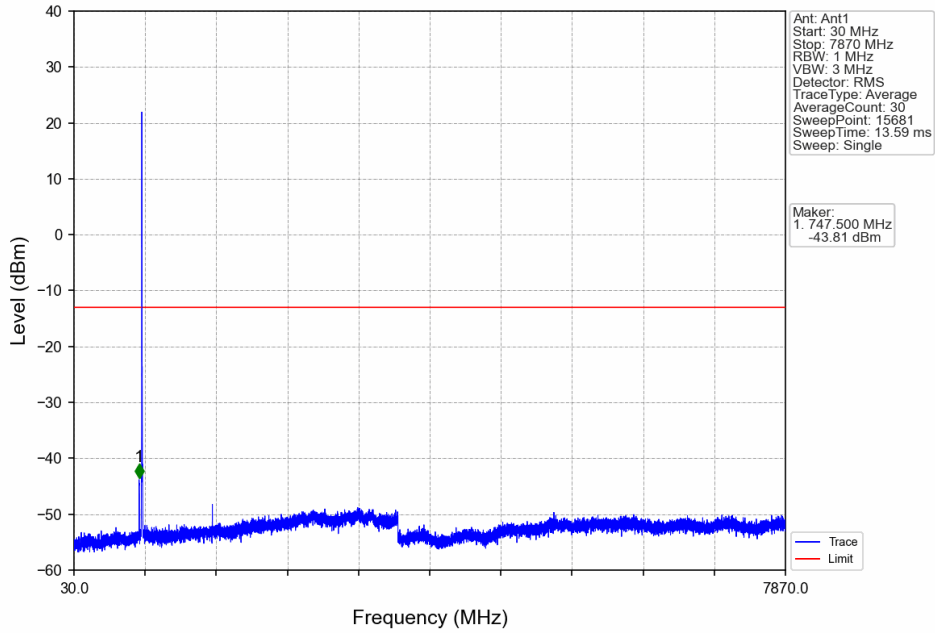
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.000	-38.51	-13	Pass
787.1	793	0.1	CHP	2	787.150	-29.20	-13	Pass
793	805	0.00625	/	3	793.012	-72.15	-35	Pass
805	810	0.1	CHP	4	805.572	-64.39	-13	Pass

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

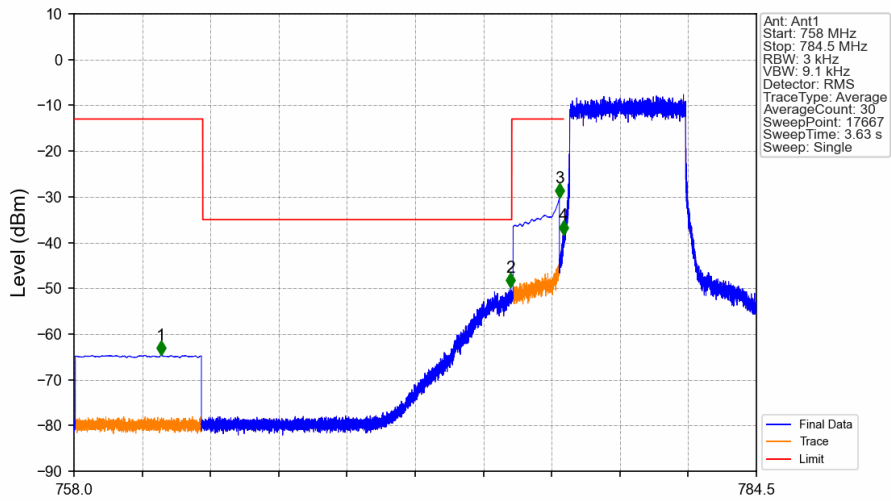


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.969	-64.50	-13	Pass
763	775	0.00625	/	2	774.988	-61.86	-35	Pass
775	776.9	0.1	CHP	3	776.850	-18.87	-13	Pass
776.9	777	0.03	/	4	777.000	-26.53	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

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

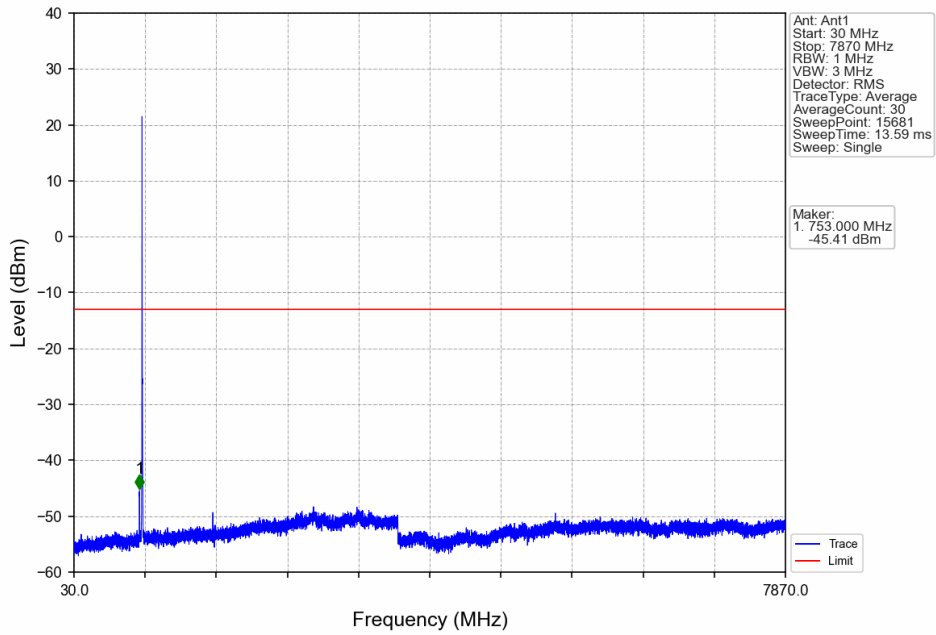


Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_25\_0\_NTNV

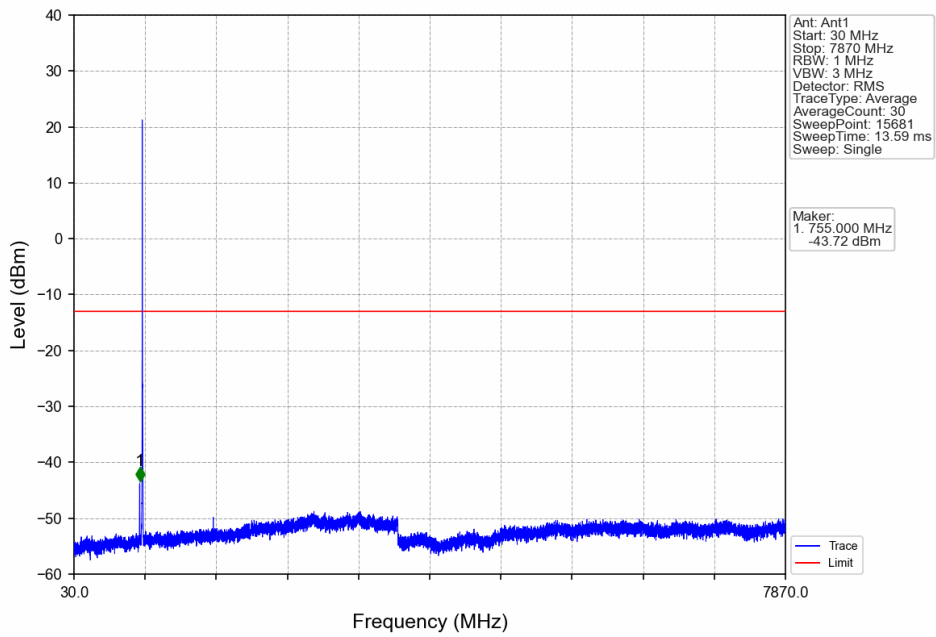


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.377	-64.65	-13	Pass
763	775	0.00625	/	2	774.961	-49.76	-35	Pass
775	776.9	0.1	CHP	3	776.850	-30.16	-13	Pass
776.9	777	0.03	/	4	777.000	-38.29	-13	Pass
777	784.5	0.03	/	/	/	/	/	/

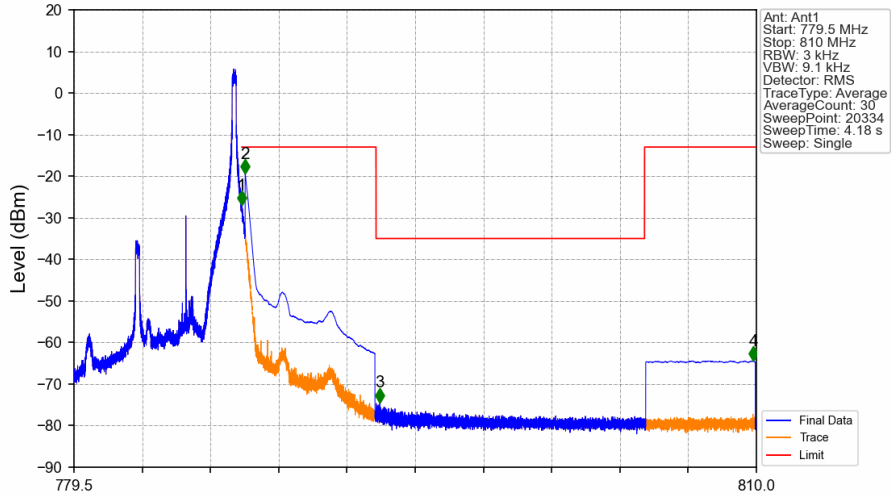
Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



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

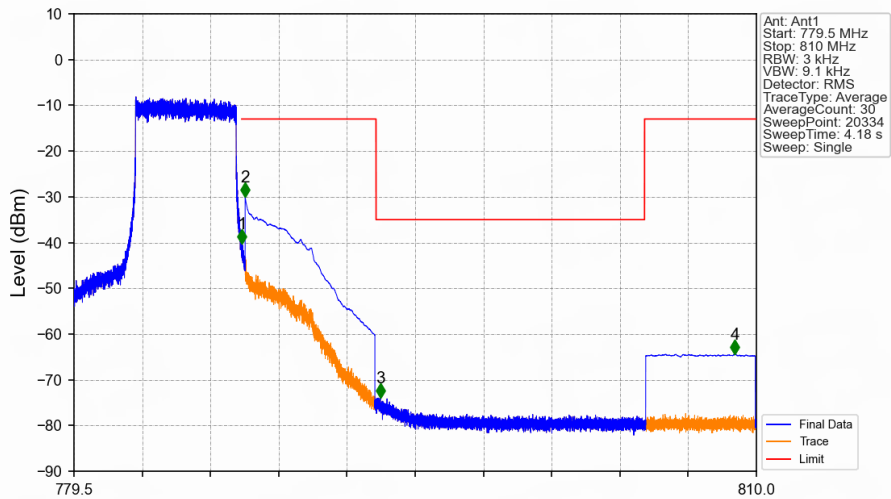


Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_1\_24\_NTNV



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	-26.96	-13	Pass
787.1	793	0.1	CHP	2	787.150	-19.36	-13	Pass
793	805	0.00625	/	3	793.170	-74.39	-35	Pass
805	810	0.1	CHP	4	809.872	-64.40	-13	Pass

Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_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	787.002	-40.28	-13	Pass
787.1	793	0.1	CHP	2	787.150	-30.09	-13	Pass
793	805	0.00625	/	3	793.192	-73.99	-35	Pass
805	810	0.1	CHP	4	809.038	-64.41	-13	Pass

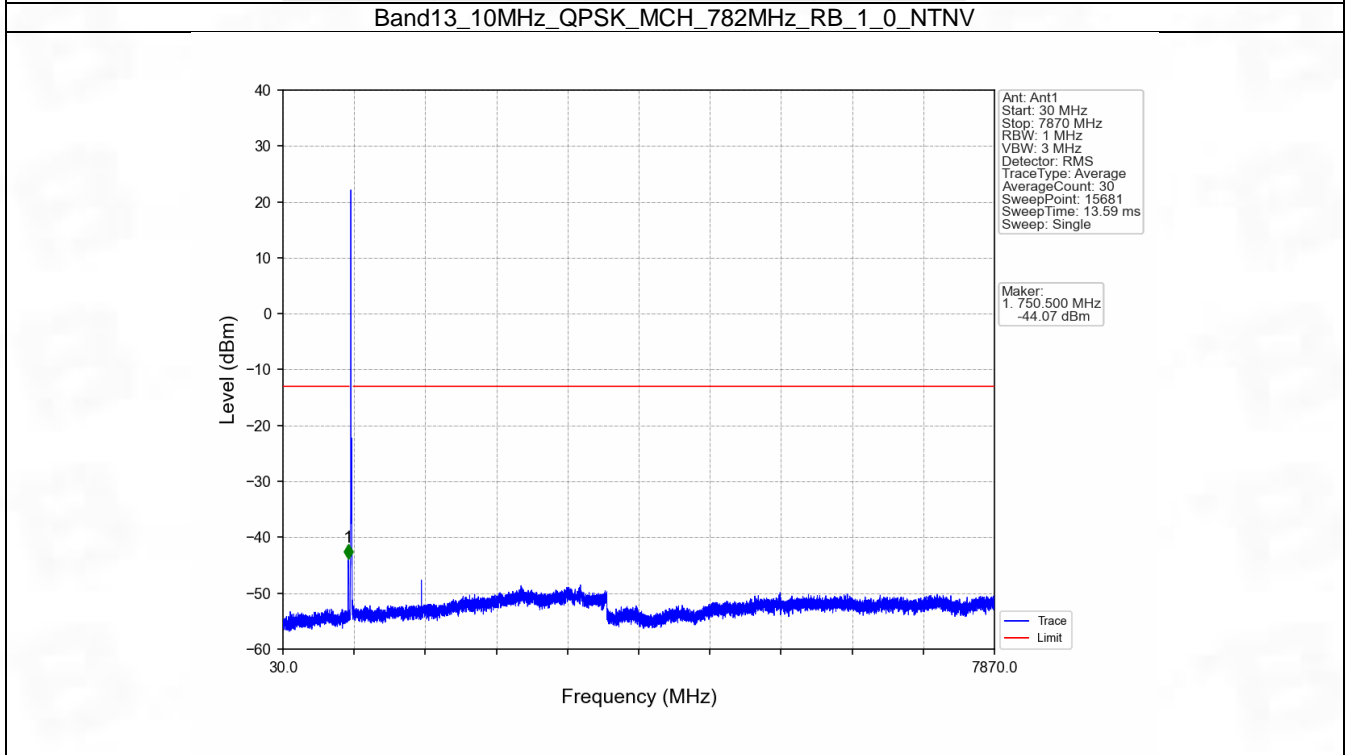
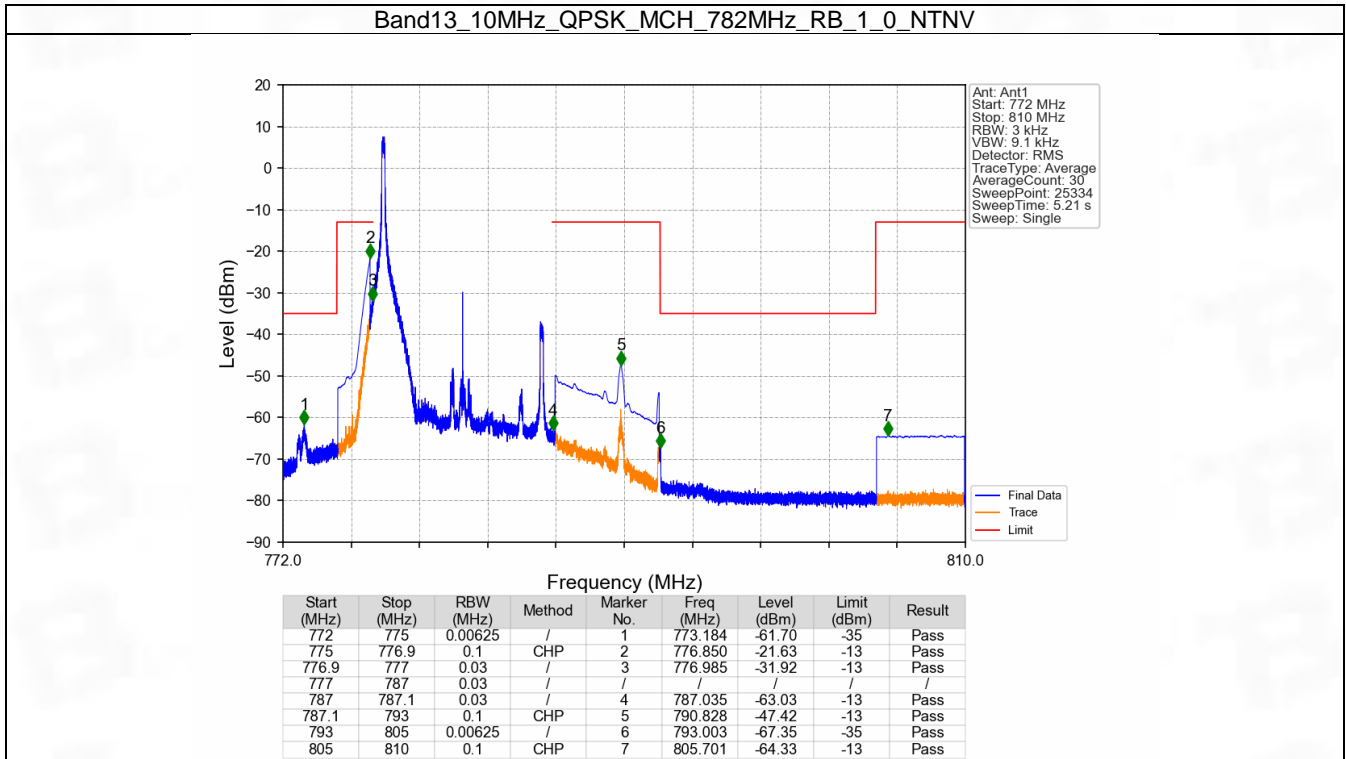
## 6.2 B13\_10MHz

### 6.2.1 Test Result

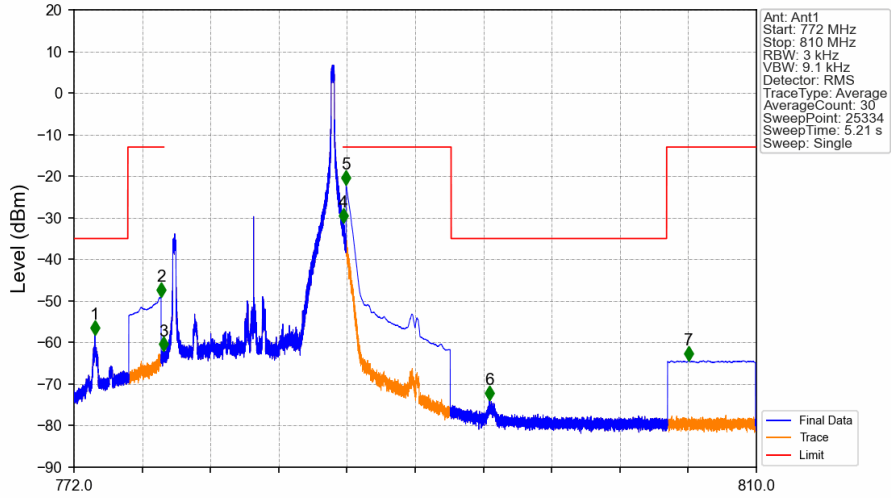
Band: 13 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph	Pass	
			49	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
16QAM	782	1	0	Refer To Test Graph	Pass	
			49	Refer To Test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



### 6.2.2 Test Graph

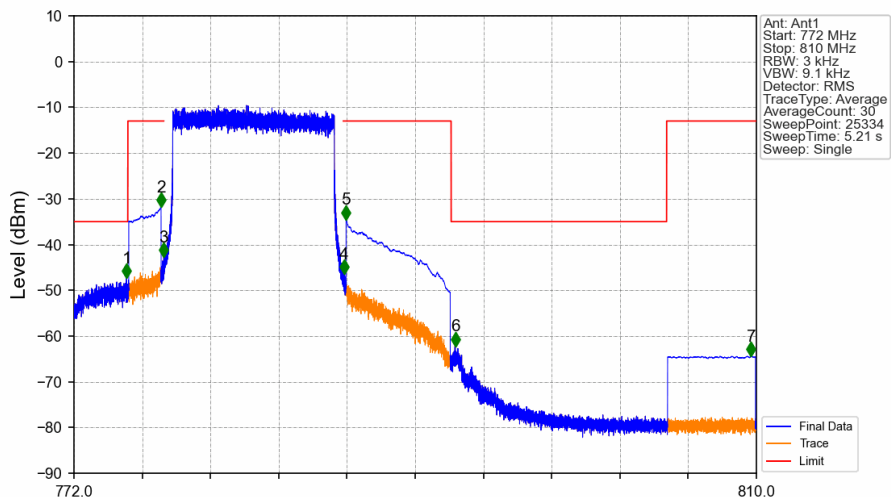


Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_1\_49\_NTNV



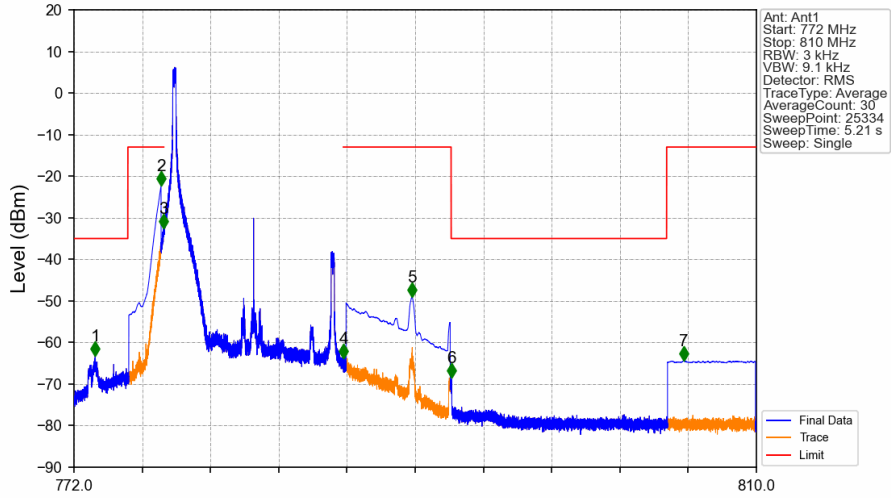
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.164	-58.11	-35	Pass
775	776.9	0.1	CHP	2	776.848	-48.97	-13	Pass
776.9	777	0.03	/	3	776.985	-62.13	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.000	-31.13	-13	Pass
787.1	793	0.1	CHP	5	787.150	-22.02	-13	Pass
793	805	0.00625	/	6	795.120	-73.80	-35	Pass
805	810	0.1	CHP	7	806.238	-64.32	-13	Pass

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



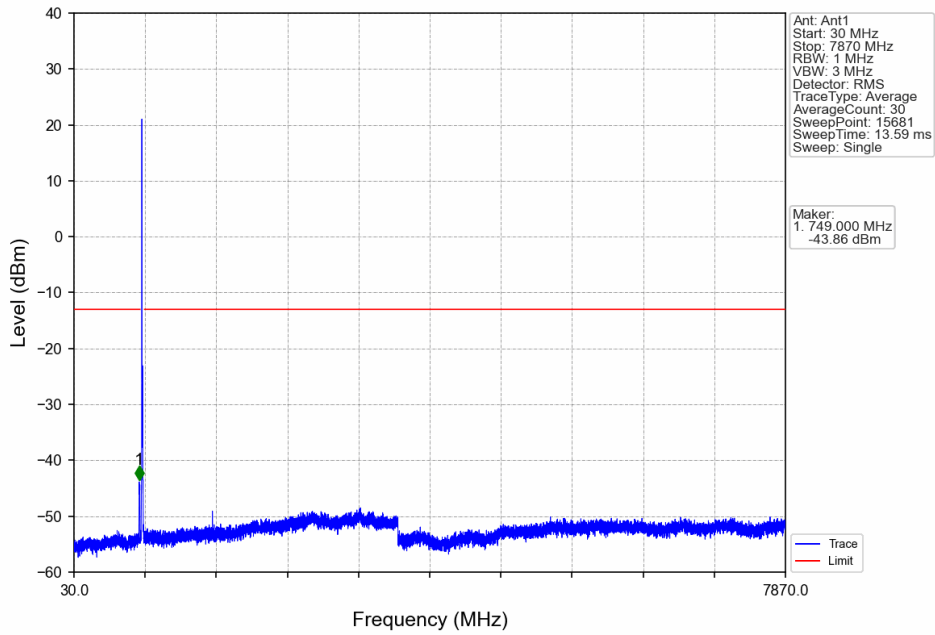
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.924	-47.33	-35	Pass
775	776.9	0.1	CHP	2	776.847	-31.76	-13	Pass
776.9	777	0.03	/	3	777.000	-42.77	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.045	-46.39	-13	Pass
787.1	793	0.1	CHP	5	787.150	-34.54	-13	Pass
793	805	0.00625	/	6	793.231	-62.23	-35	Pass
805	810	0.1	CHP	7	809.706	-64.39	-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	773.179	-63.20	-35	Pass
775	776.9	0.1	CHP	2	776.850	-22.35	-13	Pass
776.9	777	0.03	/	3	776.974	-32.66	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.017	-63.75	-13	Pass
787.1	793	0.1	CHP	5	790.815	-49.08	-13	Pass
793	805	0.00625	/	6	793.035	-68.49	-35	Pass
805	810	0.1	CHP	7	805.944	-64.38	-13	Pass

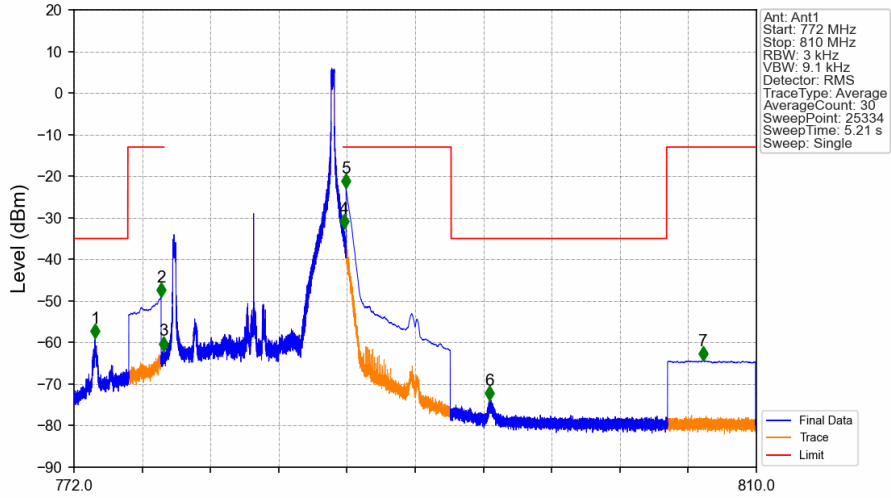
Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



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

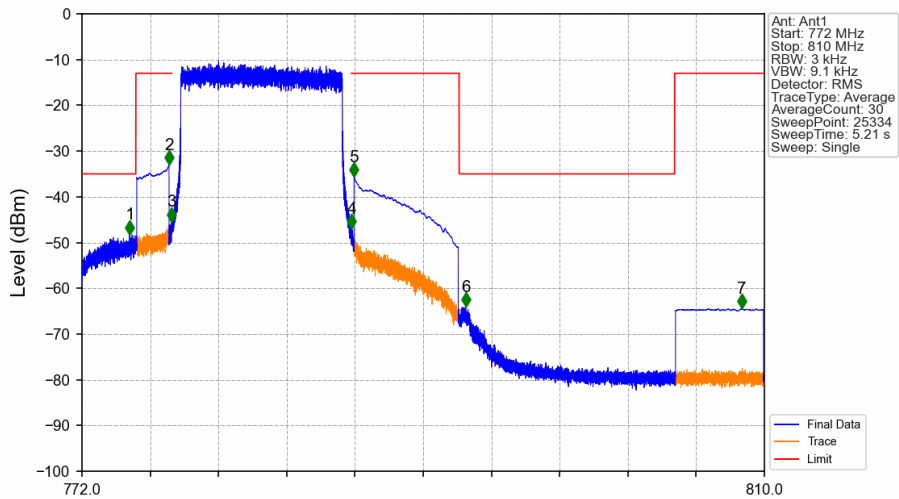
Marker:  
 1.749000 MHz  
 -43.86 dBm

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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.184	-58.96	-35	Pass
775	776.9	0.1	CHP	2	776.850	-49.13	-13	Pass
776.9	777	0.03	/	3	776.968	-61.98	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.027	-32.58	-13	Pass
787.1	793	0.1	CHP	5	787.150	-22.96	-13	Pass
793	805	0.00625	/	6	795.115	-73.84	-35	Pass
805	810	0.1	CHP	7	807.030	-64.40	-13	Pass

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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.654	-48.25	-35	Pass
775	776.9	0.1	CHP	2	776.850	-33.00	-13	Pass
776.9	777	0.03	/	3	776.998	-45.42	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.006	-46.96	-13	Pass
787.1	793	0.1	CHP	5	787.152	-35.67	-13	Pass
793	805	0.00625	/	6	793.365	-63.99	-35	Pass
805	810	0.1	CHP	7	808.725	-64.43	-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	0.1879	0.0162	ppm	4M58G7D	27F	22.74
13	5	779.5	784.5	0.1570	0.0148	ppm	4M59W7D	27F	21.96
13	10	782	782	0.2138	0.0099	ppm	9M07G7D	27F	23.30
13	10	782	782	0.1959	0.0114	ppm	9M05W7D	27F	22.92

### 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	0.0512	0.0162	ppm	4M58G7D	27F	17.09
13	5	779.5	784.5	0.0428	0.0148	ppm	4M59W7D	27F	16.31
13	10	782	782	0.0582	0.0099	ppm	9M07G7D	27F	17.65
13	10	782	782	0.0533	0.0114	ppm	9M05W7D	27F	17.27