

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B17\_5MHz\_ERP

### 1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	706.5	1	0	23.85	-4.30	17.40	<=34.77	Pass		
			13	23.99	-4.30	17.54	<=34.77	Pass		
			24	23.94	-4.30	17.49	<=34.77	Pass		
		12	0	22.78	-4.30	16.33	<=34.77	Pass		
			6	22.89	-4.30	16.44	<=34.77	Pass		
			13	22.89	-4.30	16.44	<=34.77	Pass		
		25	0	22.87	-4.30	16.42	<=34.77	Pass		
		710	1	0	23.86	-4.30	17.41	<=34.77	Pass	
				13	24.01	-4.30	17.56	<=34.77	Pass	
	24			23.91	-4.30	17.46	<=34.77	Pass		
	12		0	22.83	-4.30	16.38	<=34.77	Pass		
			6	22.92	-4.30	16.47	<=34.77	Pass		
			13	22.87	-4.30	16.42	<=34.77	Pass		
	25		0	22.84	-4.30	16.39	<=34.77	Pass		
	713.5		1	0	23.89	-4.30	17.44	<=34.77	Pass	
				13	24.03	-4.30	17.58	<=34.77	Pass	
		24		23.93	-4.30	17.48	<=34.77	Pass		
		12	0	22.92	-4.30	16.47	<=34.77	Pass		
			6	22.98	-4.30	16.53	<=34.77	Pass		
			13	22.93	-4.30	16.48	<=34.77	Pass		
		25	0	22.94	-4.30	16.49	<=34.77	Pass		
		16QAM	706.5	1	0	22.91	-4.30	16.46	<=34.77	Pass
					13	23.05	-4.30	16.60	<=34.77	Pass
	24				22.95	-4.30	16.50	<=34.77	Pass	
12	0			21.79	-4.30	15.34	<=34.77	Pass		
	6			21.88	-4.30	15.43	<=34.77	Pass		
	13			21.90	-4.30	15.45	<=34.77	Pass		
25	0			21.91	-4.30	15.46	<=34.77	Pass		
710	1			0	23.04	-4.30	16.59	<=34.77	Pass	
				13	23.21	-4.30	16.76	<=34.77	Pass	
			24	23.13	-4.30	16.68	<=34.77	Pass		
	12		0	21.89	-4.30	15.44	<=34.77	Pass		
			6	21.93	-4.30	15.48	<=34.77	Pass		
			13	21.86	-4.30	15.41	<=34.77	Pass		
	25		0	21.88	-4.30	15.43	<=34.77	Pass		
	713.5		1	0	22.69	-4.30	16.24	<=34.77	Pass	
				13	22.89	-4.30	16.44	<=34.77	Pass	
24				22.73	-4.30	16.28	<=34.77	Pass		
12			0	21.95	-4.30	15.50	<=34.77	Pass		
			6	21.97	-4.30	15.52	<=34.77	Pass		
			13	21.94	-4.30	15.49	<=34.77	Pass		
25			0	22.00	-4.30	15.55	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 1.2 B17\_10MHz\_ERP

### 1.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	709	1	0	23.92	-4.30	17.47	<=34.77	Pass	
			25	24.04	-4.30	17.59	<=34.77	Pass	
			49	24.08	-4.30	17.63	<=34.77	Pass	
		25	0	22.72	-4.30	16.27	<=34.77	Pass	
			13	22.95	-4.30	16.50	<=34.77	Pass	
			25	22.84	-4.30	16.39	<=34.77	Pass	
	50	0	22.83	-4.30	16.38	<=34.77	Pass		
	710	1	0	23.84	-4.30	17.39	<=34.77	Pass	
			25	23.97	-4.30	17.52	<=34.77	Pass	
			49	24.03	-4.30	17.58	<=34.77	Pass	
		25	0	22.73	-4.30	16.28	<=34.77	Pass	
			13	22.94	-4.30	16.49	<=34.77	Pass	
			25	22.91	-4.30	16.46	<=34.77	Pass	
		50	0	22.85	-4.30	16.40	<=34.77	Pass	
		711	1	0	23.92	-4.30	17.47	<=34.77	Pass
				25	24.00	-4.30	17.55	<=34.77	Pass
	49			24.04	-4.30	17.59	<=34.77	Pass	
	25		0	22.87	-4.30	16.42	<=34.77	Pass	
			13	23.00	-4.30	16.55	<=34.77	Pass	
			25	22.93	-4.30	16.48	<=34.77	Pass	
	50	0	22.89	-4.30	16.44	<=34.77	Pass		
	16QAM	709	1	0	22.90	-4.30	16.45	<=34.77	Pass
				25	22.96	-4.30	16.51	<=34.77	Pass
				49	23.05	-4.30	16.60	<=34.77	Pass
25			0	21.86	-4.30	15.41	<=34.77	Pass	
			13	22.03	-4.30	15.58	<=34.77	Pass	
			25	21.96	-4.30	15.51	<=34.77	Pass	
50		0	21.88	-4.30	15.43	<=34.77	Pass		
710		1	0	23.01	-4.30	16.56	<=34.77	Pass	
			25	23.08	-4.30	16.63	<=34.77	Pass	
			49	23.15	-4.30	16.70	<=34.77	Pass	
		25	0	21.80	-4.30	15.35	<=34.77	Pass	
			13	21.98	-4.30	15.53	<=34.77	Pass	
			25	21.96	-4.30	15.51	<=34.77	Pass	
		50	0	21.85	-4.30	15.40	<=34.77	Pass	
		711	1	0	23.41	-4.30	16.96	<=34.77	Pass
				25	23.45	-4.30	17.00	<=34.77	Pass
49				23.47	-4.30	17.02	<=34.77	Pass	
25			0	21.93	-4.30	15.48	<=34.77	Pass	
			13	22.01	-4.30	15.56	<=34.77	Pass	
			25	22.04	-4.30	15.59	<=34.77	Pass	
50		0	21.92	-4.30	15.47	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 B17\_5MHz

#### 2.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	706.5	25	0	20	3.27	-3.991	-0.0056	-2.5 to 2.5	Pass	
					3.85	-3.748	-0.0053	-2.5 to 2.5	Pass	
					4.43	-3.648	-0.0052	-2.5 to 2.5	Pass	
				-30	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass	
					-20	3.85	-1.516	-0.0021	-2.5 to 2.5	Pass
					-10	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass	
					10	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
					30	3.85	-4.148	-0.0059	-2.5 to 2.5	Pass
	40	3.85	-0.529		-0.0007	-2.5 to 2.5	Pass			
	50	3.85	-0.086		-0.0001	-2.5 to 2.5	Pass			
	710	25	0		20	3.27	0.916	0.0013	-2.5 to 2.5	Pass
						3.85	-1.602	-0.0023	-2.5 to 2.5	Pass
						4.43	-3.805	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-4.320	-0.0061	-2.5 to 2.5	Pass	
					-20	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
					-10	3.85	-4.177	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-2.775	-0.0039	-2.5 to 2.5	Pass	
					10	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
					30	3.85	-3.748	-0.0053	-2.5 to 2.5	Pass
	40	3.85	-3.433		-0.0048	-2.5 to 2.5	Pass			
	50	3.85	-1.874		-0.0026	-2.5 to 2.5	Pass			
	713.5	25	0		20	3.27	-1.616	-0.0023	-2.5 to 2.5	Pass
						3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
4.43						-7.439	-0.0104	-2.5 to 2.5	Pass	
-30				3.85	-1.760	-0.0025	-2.5 to 2.5	Pass		
				-20	3.85	-5.250	-0.0074	-2.5 to 2.5	Pass	
				-10	3.85	-1.860	-0.0026	-2.5 to 2.5	Pass	
0				3.85	-5.050	-0.0071	-2.5 to 2.5	Pass		
				10	3.85	-4.363	-0.0061	-2.5 to 2.5	Pass	
				30	3.85	-5.164	-0.0072	-2.5 to 2.5	Pass	
	40	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass				
	50	3.85	-3.691	-0.0052	-2.5 to 2.5	Pass				
	16QAM	706.5	25	0	20	3.27	-1.316	-0.0019	-2.5 to 2.5	Pass
						3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
						4.43	-2.689	-0.0038	-2.5 to 2.5	Pass
-30					3.85	-5.264	-0.0075	-2.5 to 2.5	Pass	
					-20	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
					-10	3.85	-2.317	-0.0033	-2.5 to 2.5	Pass
0					3.85	-4.134	-0.0059	-2.5 to 2.5	Pass	
					10	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
					30	3.85	-2.289	-0.0032	-2.5 to 2.5	Pass
		40	3.85	-1.702	-0.0024	-2.5 to 2.5	Pass			
		50	3.85	-2.446	-0.0035	-2.5 to 2.5	Pass			
		710	25	0	20	3.27	-2.503	-0.0035	-2.5 to 2.5	Pass
						3.85	-4.892	-0.0069	-2.5 to 2.5	Pass
						4.43	-4.449	-0.0063	-2.5 to 2.5	Pass
-30					3.85	-3.691	-0.0052	-2.5 to 2.5	Pass	
					-20	3.85	-2.947	-0.0042	-2.5 to 2.5	Pass
					-10	3.85	-2.375	-0.0033	-2.5 to 2.5	Pass
0					3.85	0.944	0.0013	-2.5 to 2.5	Pass	
					10	3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
					30	3.85	-2.875	-0.0040	-2.5 to 2.5	Pass
		40	3.85	-4.635	-0.0065	-2.5 to 2.5	Pass			
		50	3.85	-4.935	-0.0070	-2.5 to 2.5	Pass			
		713.5	25	0	20	3.27	-6.537	-0.0092	-2.5 to 2.5	Pass
						3.85	-5.636	-0.0079	-2.5 to 2.5	Pass
	4.43					-1.602	-0.0022	-2.5 to 2.5	Pass	
-30	3.85				-5.436	-0.0076	-2.5 to 2.5	Pass		

				-20	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.574	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-4.849	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0040	-2.5 to 2.5	Pass

## 2.2 B17\_10MHz

### 2.2.1 Test Result

Band: 17 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	709	50	0	20	3.27	-2.818	-0.0040	-2.5 to 2.5	Pass	
					3.85	-4.392	-0.0062	-2.5 to 2.5	Pass	
					4.43	-3.033	-0.0043	-2.5 to 2.5	Pass	
				-30	3.85	-3.991	-0.0056	-2.5 to 2.5	Pass	
					-20	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
						3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass	
					10	3.85	-2.933	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-2.918	-0.0041	-2.5 to 2.5	Pass	
	40	3.85	-3.090		-0.0044	-2.5 to 2.5	Pass			
	50	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass				
	710	50	0	20	3.27	-4.134	-0.0058	-2.5 to 2.5	Pass	
					3.85	-4.392	-0.0062	-2.5 to 2.5	Pass	
					4.43	-3.362	-0.0047	-2.5 to 2.5	Pass	
				-30	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass	
					-20	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
						3.85	-1.945	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.945	-0.0027	-2.5 to 2.5	Pass	
					0	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0026	-2.5 to 2.5	Pass	
	30	3.85	-3.705		-0.0052	-2.5 to 2.5	Pass			
	40	3.85	-3.233	-0.0046	-2.5 to 2.5	Pass				
	50	3.85	-2.747	-0.0039	-2.5 to 2.5	Pass				
	711	50	0	20	3.27	-3.090	-0.0043	-2.5 to 2.5	Pass	
					3.85	-1.817	-0.0026	-2.5 to 2.5	Pass	
					4.43	-2.160	-0.0030	-2.5 to 2.5	Pass	
				-30	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass	
-20					3.85	-2.732	-0.0038	-2.5 to 2.5	Pass	
					3.85	-3.848	-0.0054	-2.5 to 2.5	Pass	
-10				3.85	-3.848	-0.0054	-2.5 to 2.5	Pass		
				0	3.85	-3.076	-0.0043	-2.5 to 2.5	Pass	
10				3.85	-4.106	-0.0058	-2.5 to 2.5	Pass		
	30	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass				
40	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass					
50	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass					
16QAM	709	50	0	20	3.27	-2.418	-0.0034	-2.5 to 2.5	Pass	
					3.85	-3.161	-0.0045	-2.5 to 2.5	Pass	
					4.43	-3.090	-0.0044	-2.5 to 2.5	Pass	
				-30	3.85	-2.375	-0.0033	-2.5 to 2.5	Pass	
					-20	3.85	-2.289	-0.0032	-2.5 to 2.5	Pass
				-10		3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0040	-2.5 to 2.5	Pass	
10	3.85	-2.775	-0.0039	-2.5 to 2.5	Pass					
30	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass					

	710	50	0	40	3.85	-3.505	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-4.649	-0.0066	-2.5 to 2.5	Pass
				20	3.27	-3.304	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.033	-0.0043	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-3.791	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
	30	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass			
	40	3.85	-3.848	-0.0054	-2.5 to 2.5	Pass			
	50	3.85	-2.289	-0.0032	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-1.731	-0.0024	-2.5 to 2.5	Pass
					3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
10				3.85	-1.359	-0.0019	-2.5 to 2.5	Pass	
30				3.85	-2.718	-0.0038	-2.5 to 2.5	Pass	
40				3.85	-3.591	-0.0051	-2.5 to 2.5	Pass	
50	3.85	-1.731	-0.0024	-2.5 to 2.5	Pass				

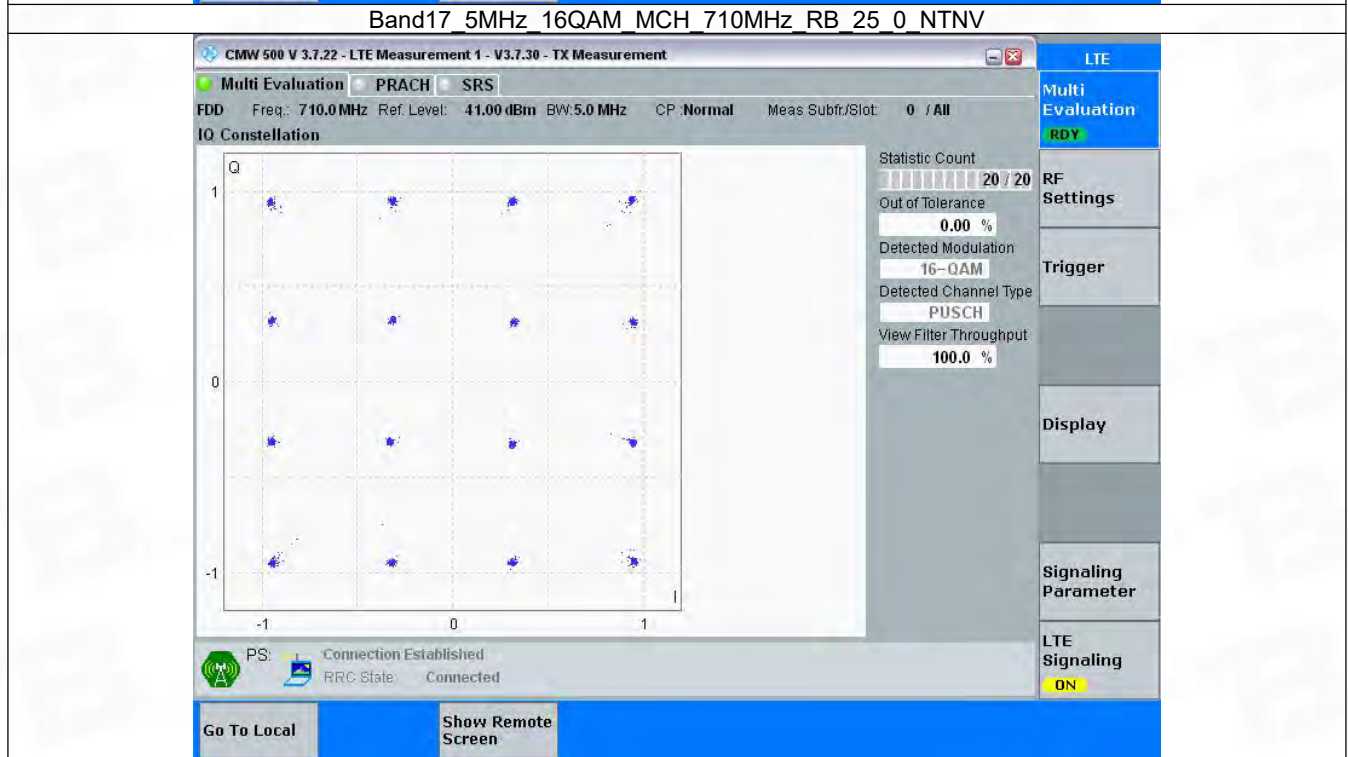
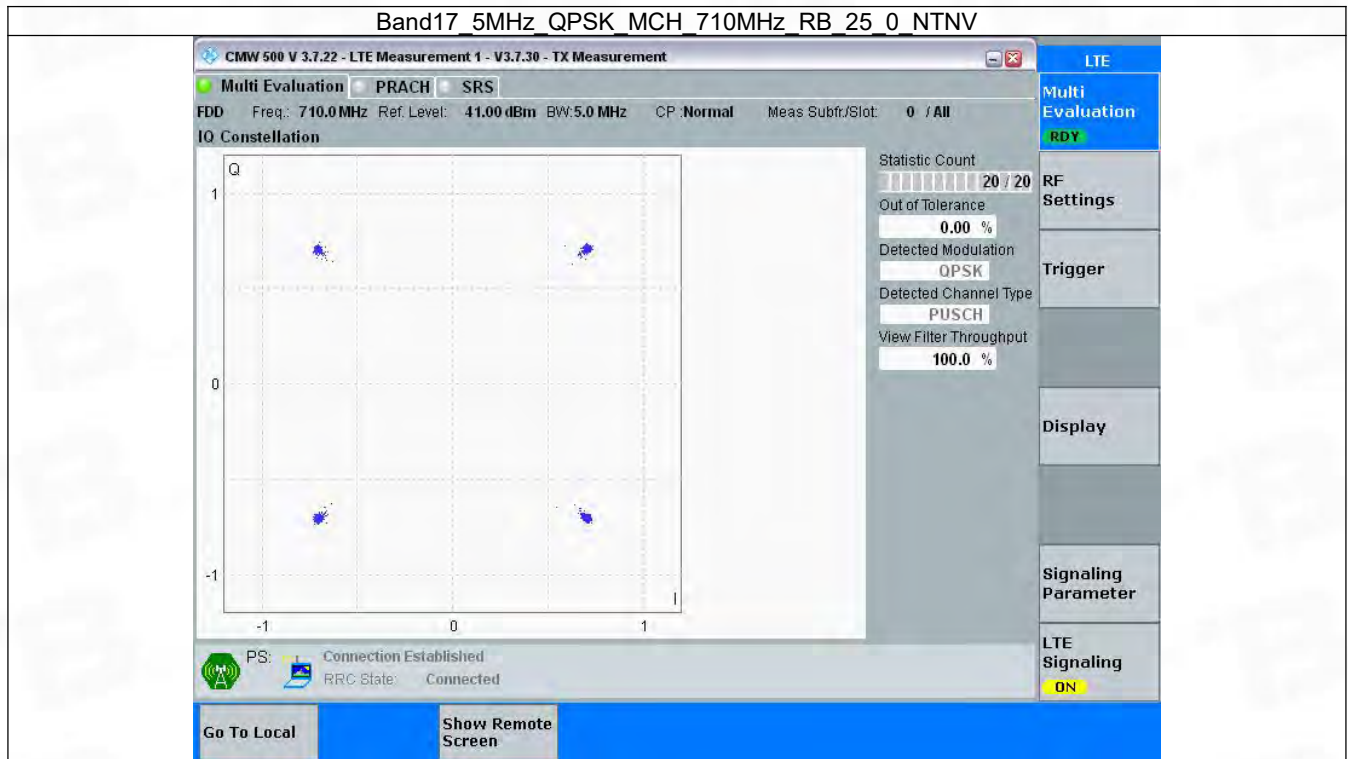
### 3. Modulation Characteristics

#### 3.1 B17\_5MHz

##### 3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

### 3.1.2 Test Graph

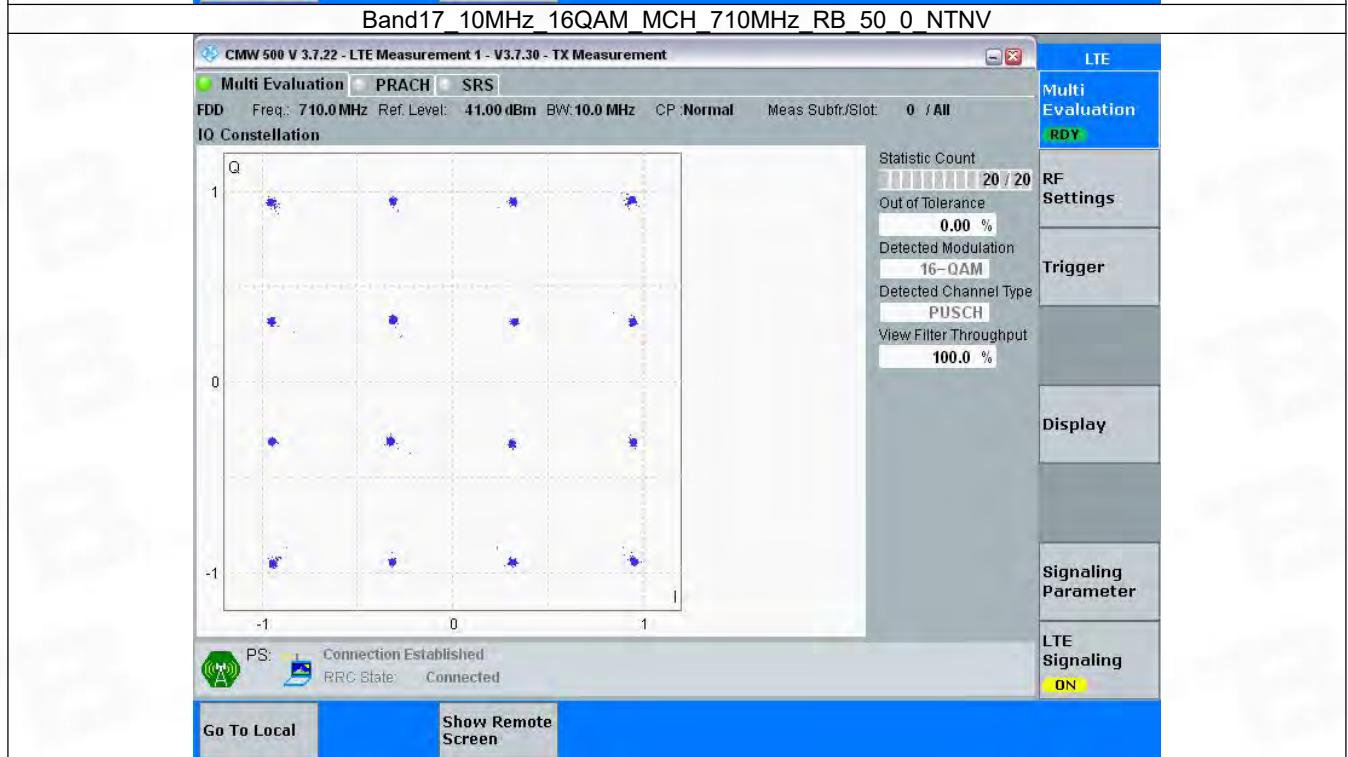
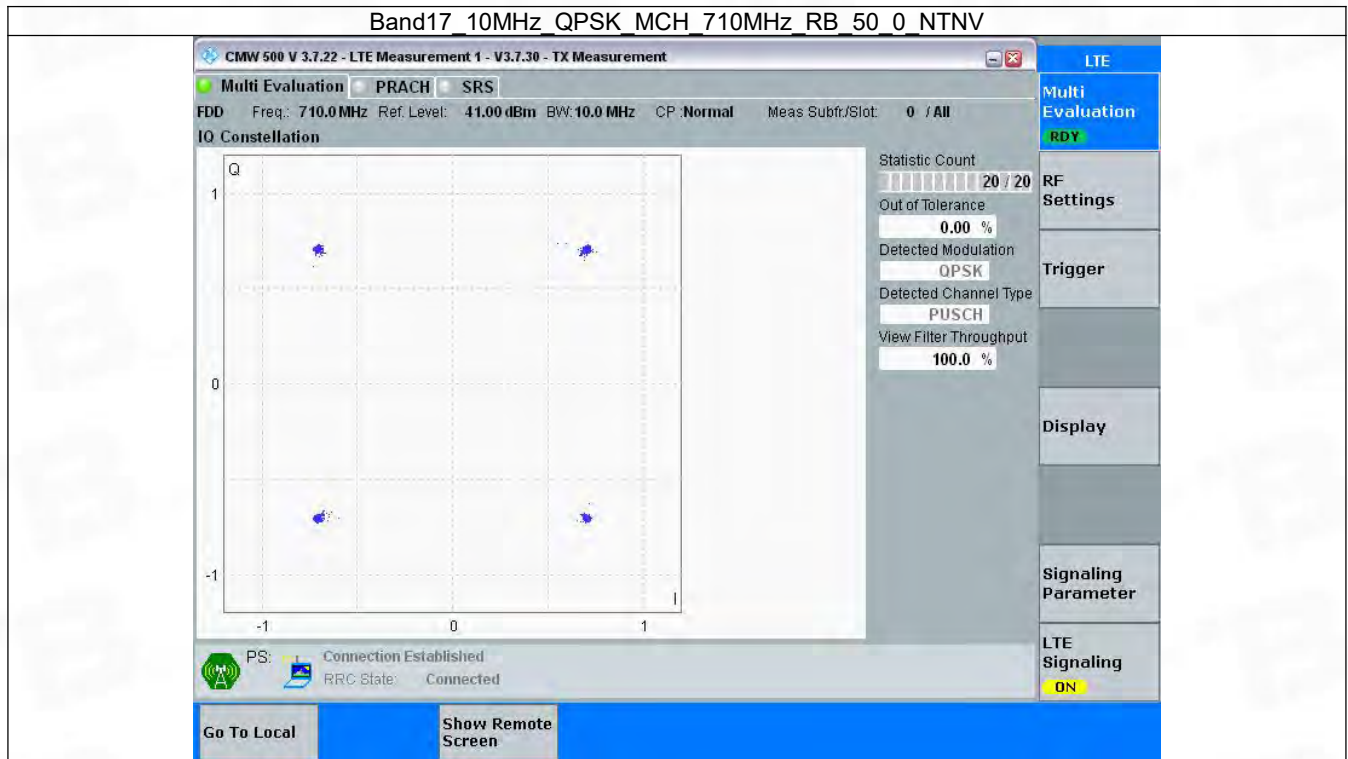


## 3.2 B17\_10MHz

### 3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

### 3.2.2 Test Graph





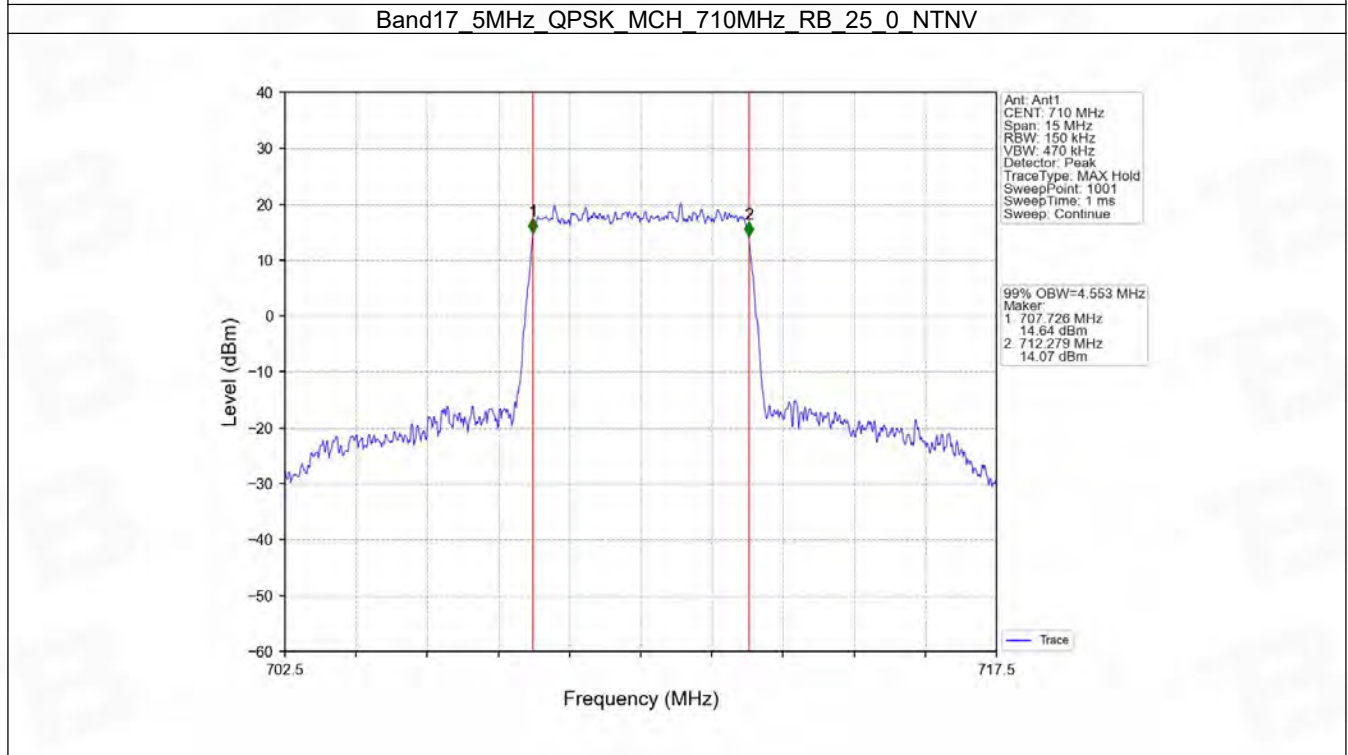
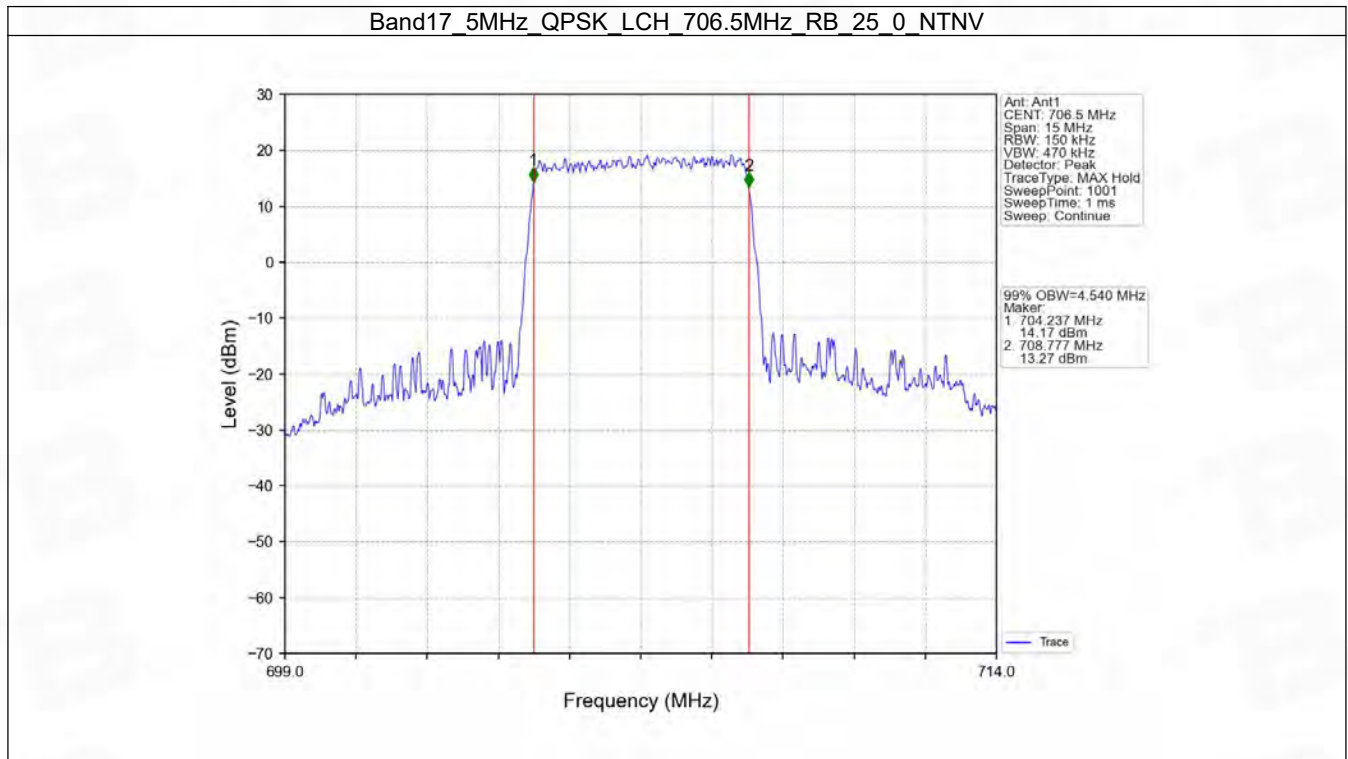
## 4. 99% & 26dB Bandwidth

### 4.1 Band17\_OBW

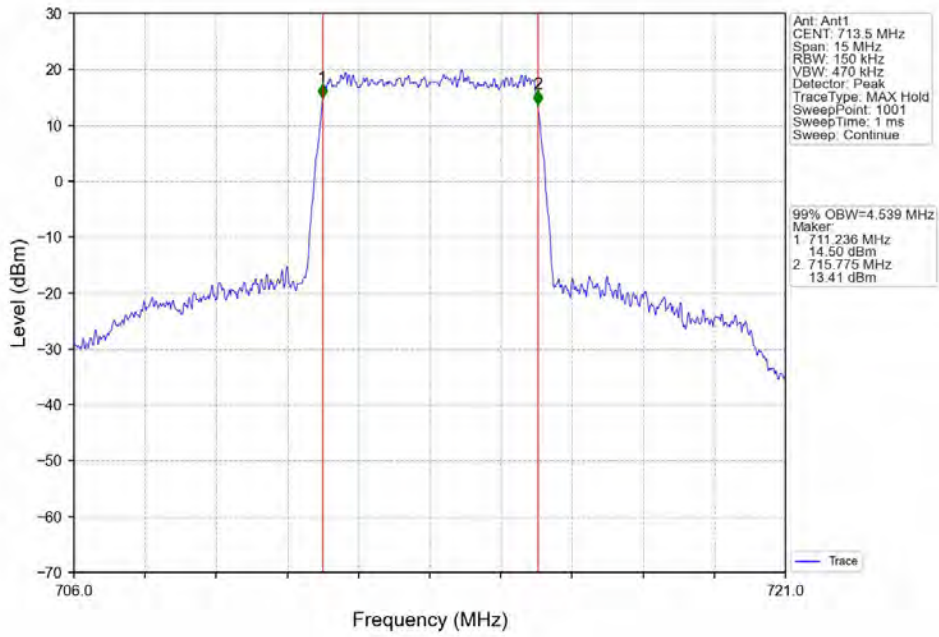
#### 4.1.1 Test Result

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.540	/	Pass
		710	25	0	4.553	/	Pass
		713.5	25	0	4.539	/	Pass
	16QAM	706.5	25	0	4.563	/	Pass
		710	25	0	4.540	/	Pass
		713.5	25	0	4.560	/	Pass
10	QPSK	709	50	0	9.053	/	Pass
		710	50	0	9.017	/	Pass
		711	50	0	9.046	/	Pass
	16QAM	709	50	0	8.982	/	Pass
		710	50	0	9.024	/	Pass
		711	50	0	9.025	/	Pass

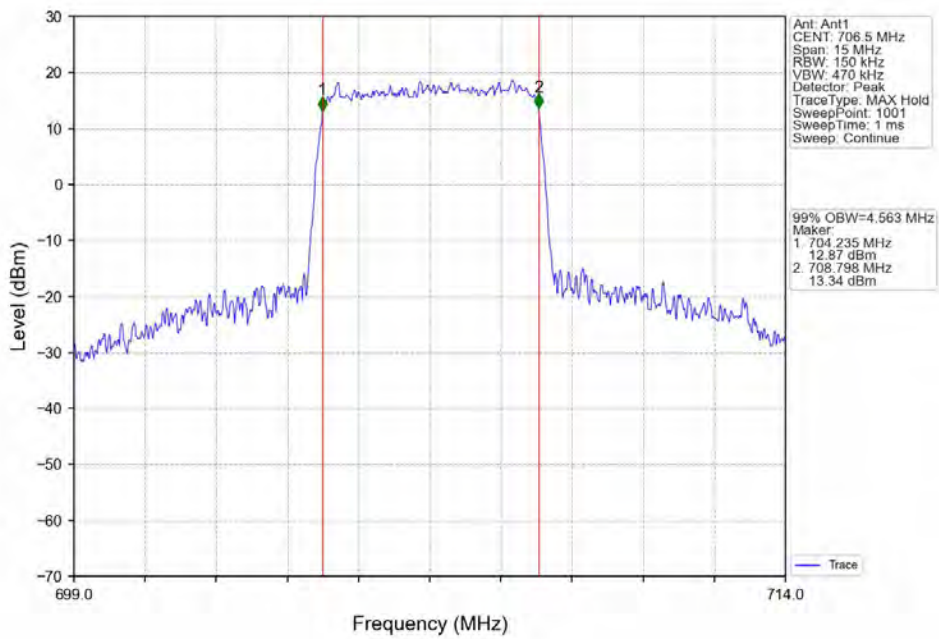
### 4.1.2 Test Graph



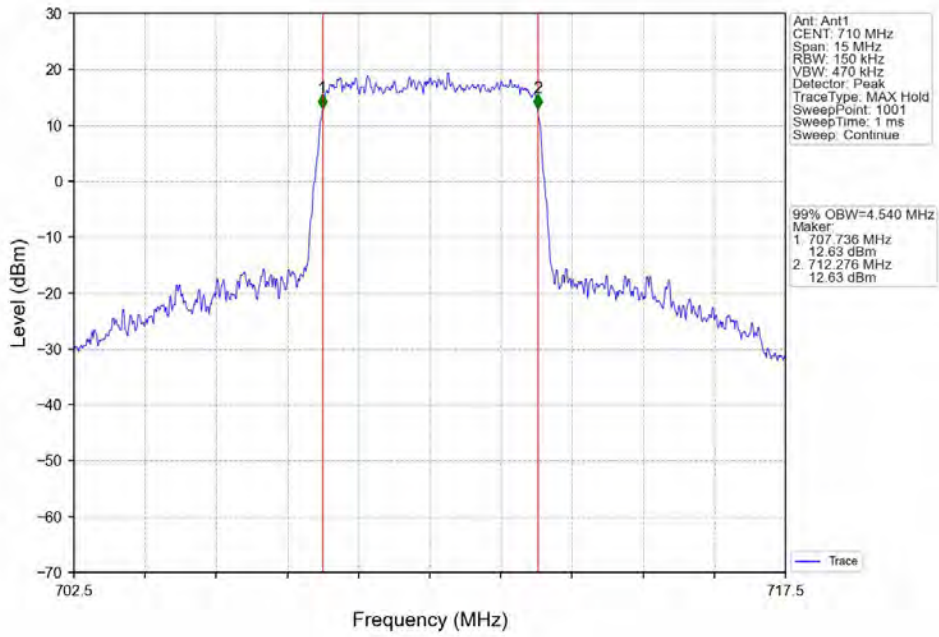
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



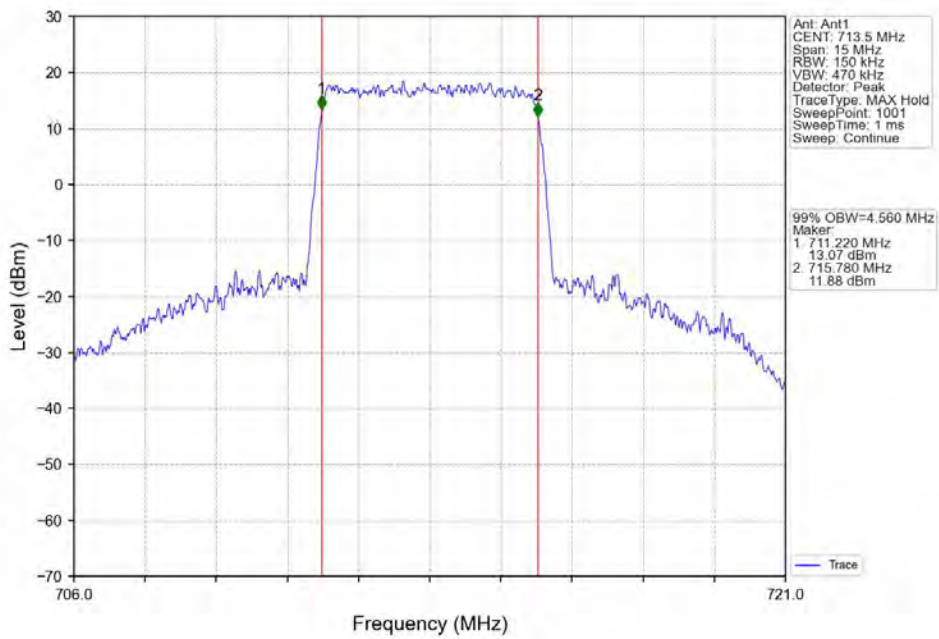
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



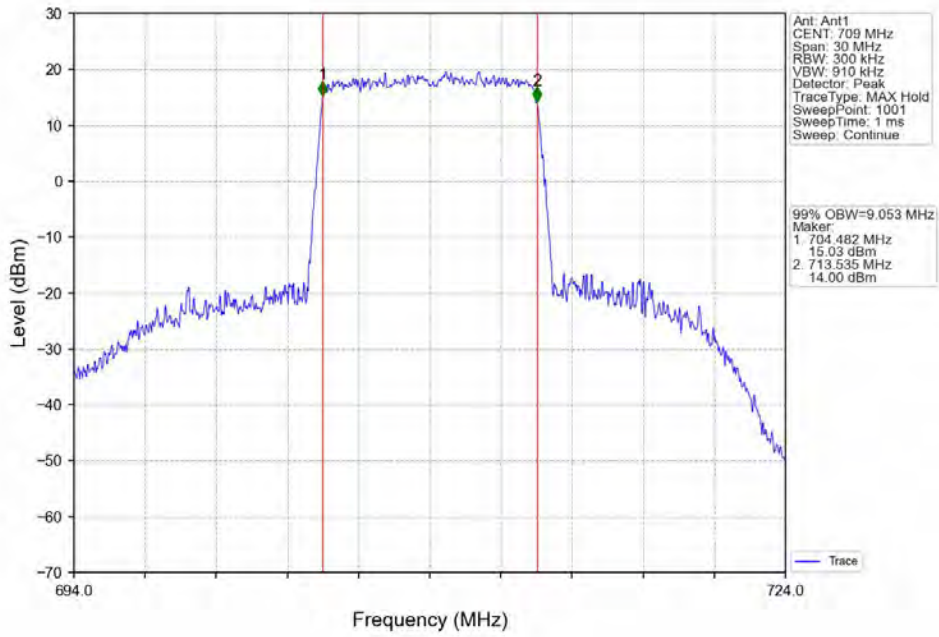
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



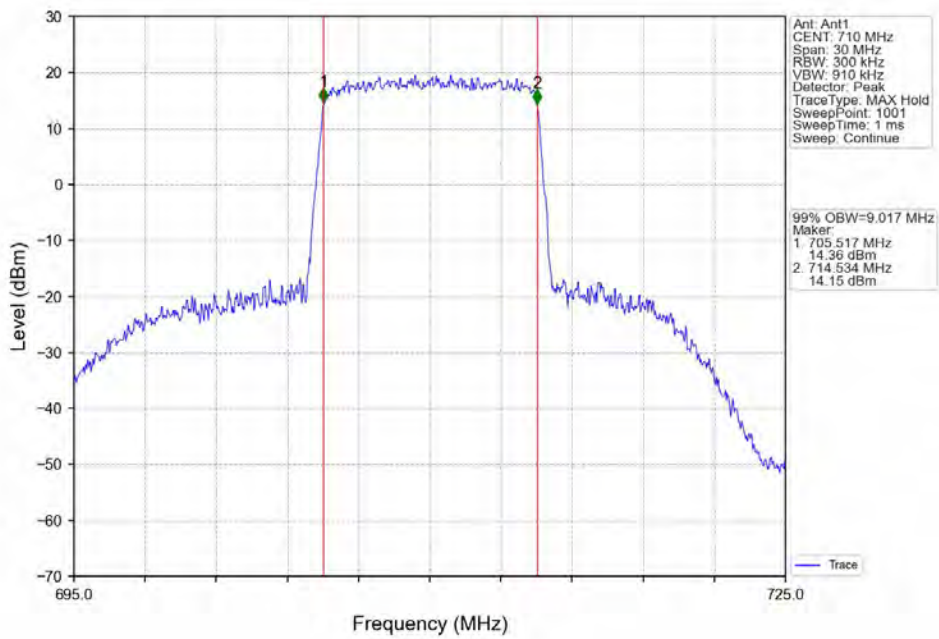
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



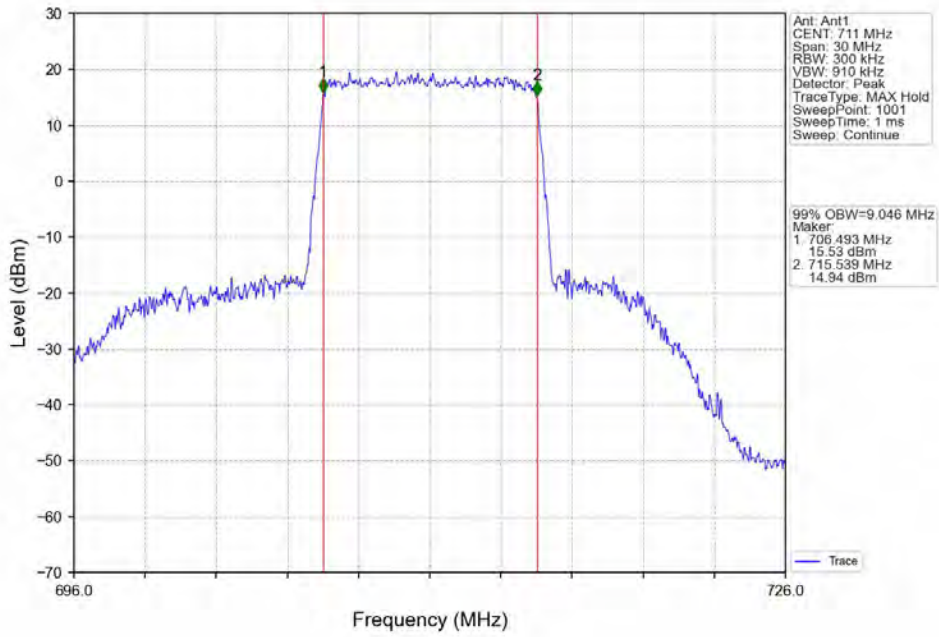
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



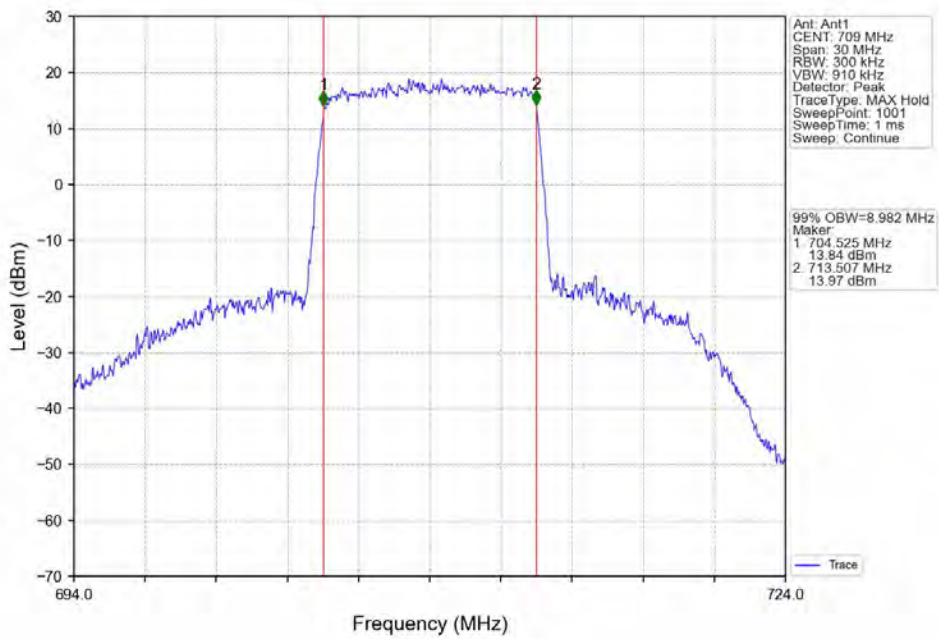
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV

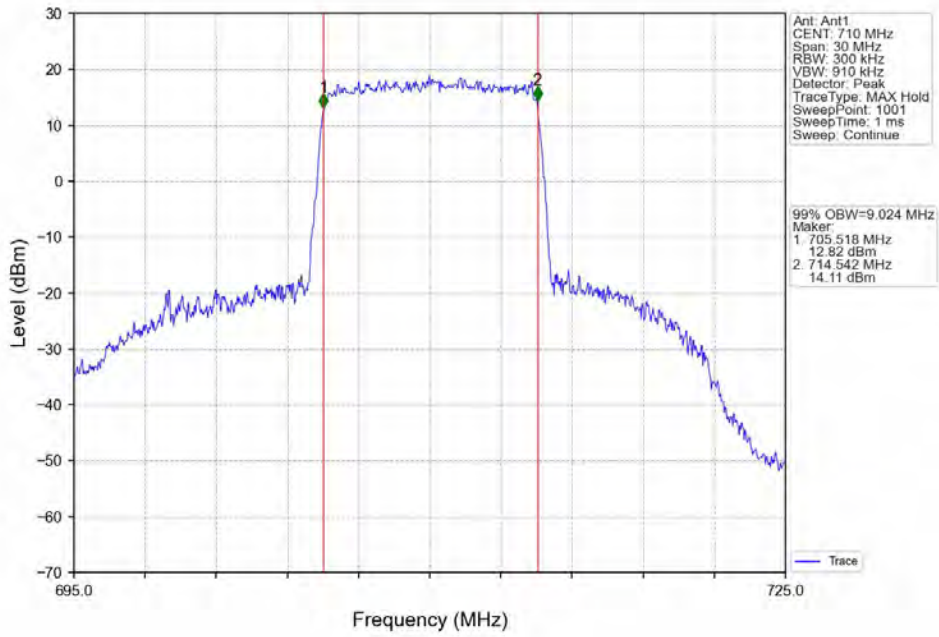


Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV

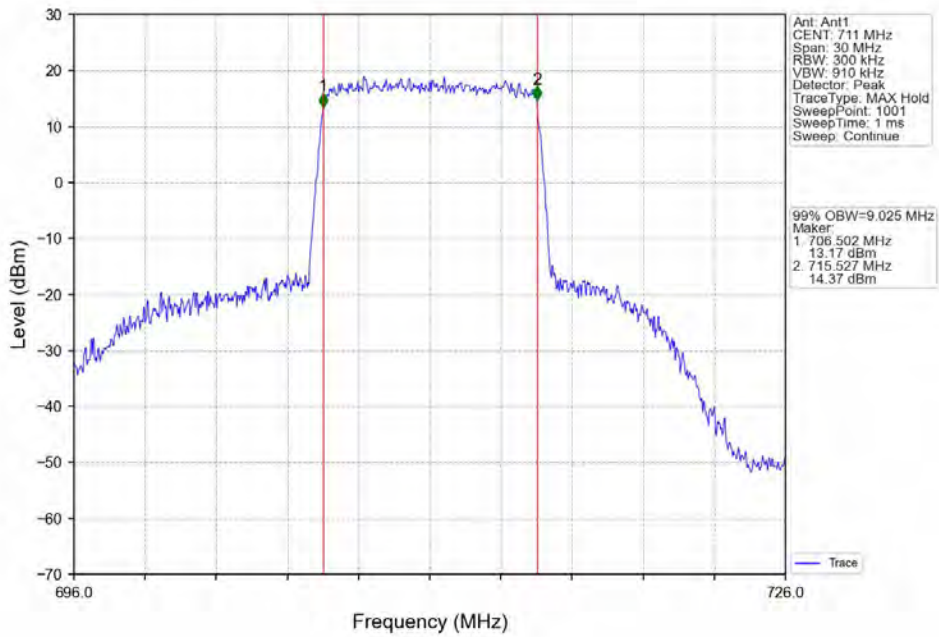




Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



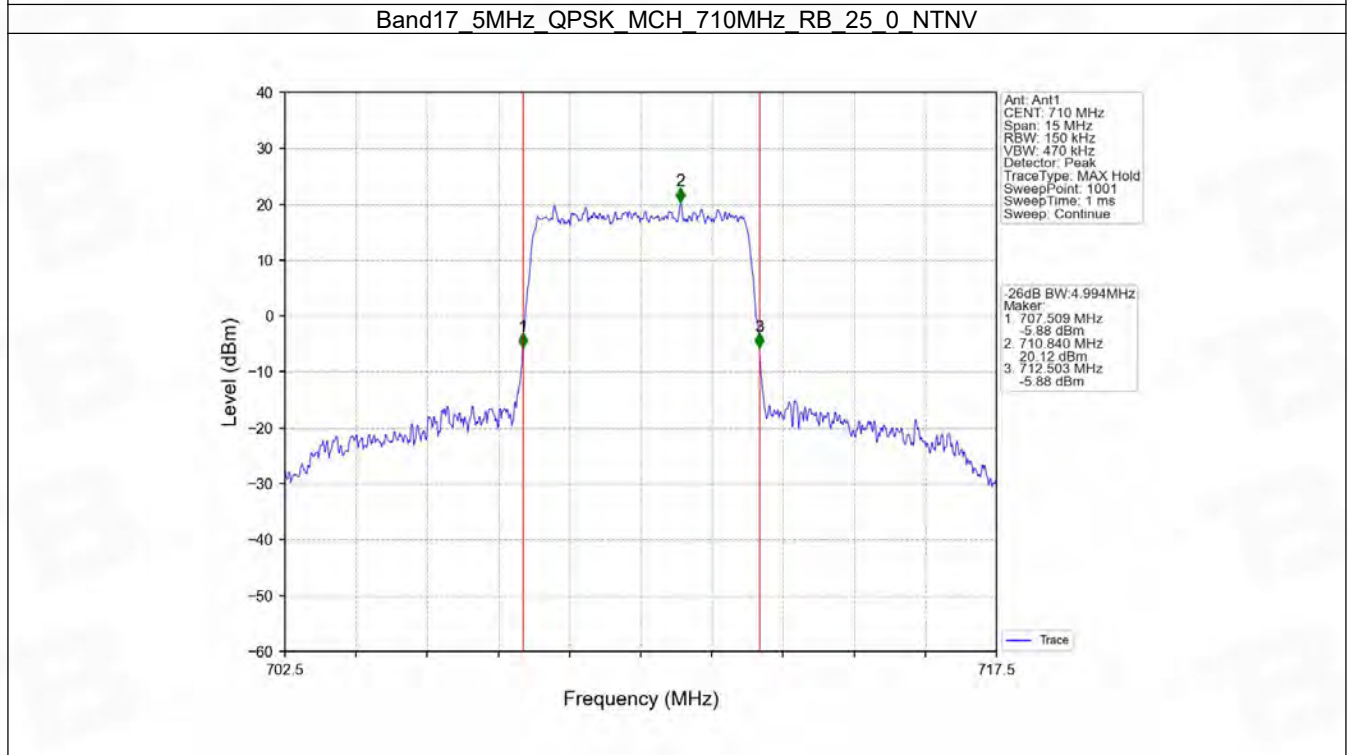
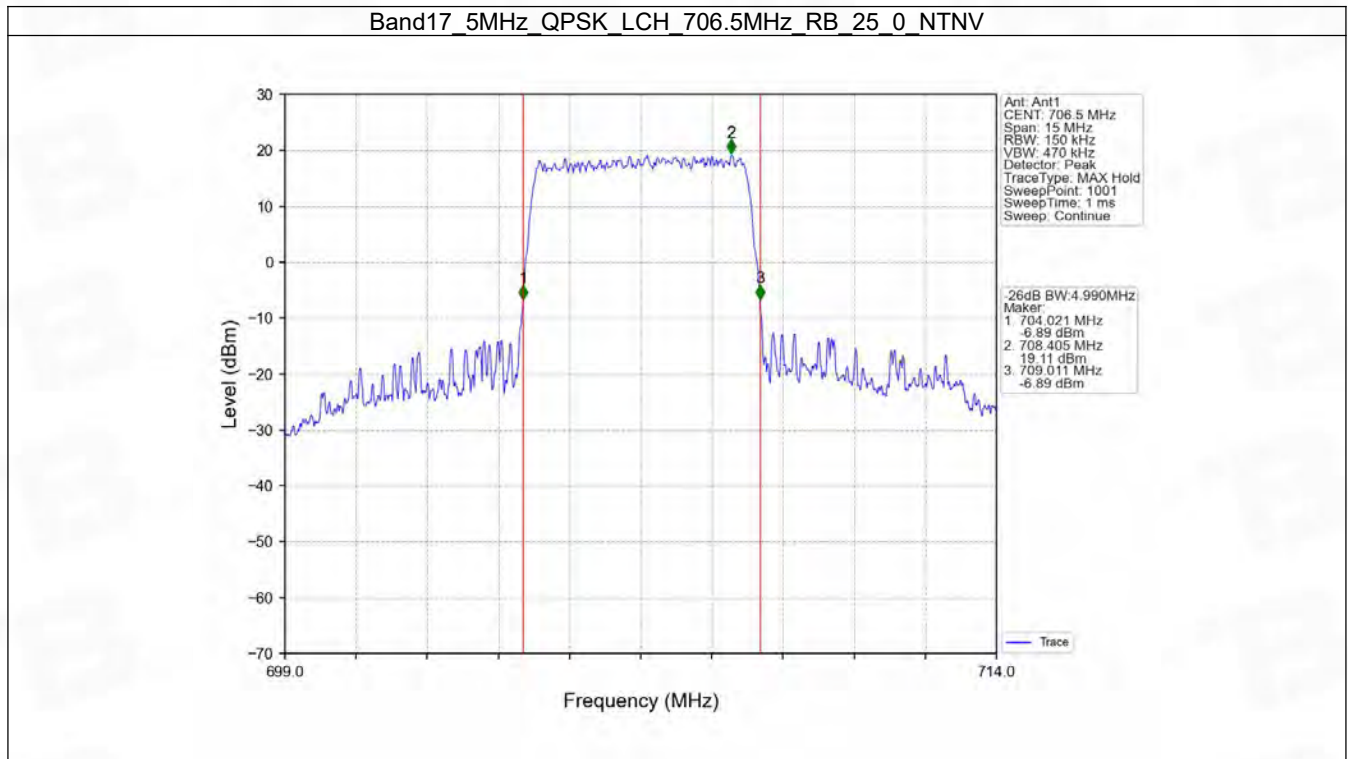
## 4.2 Band17\_XDB

### 4.2.1 Test Result

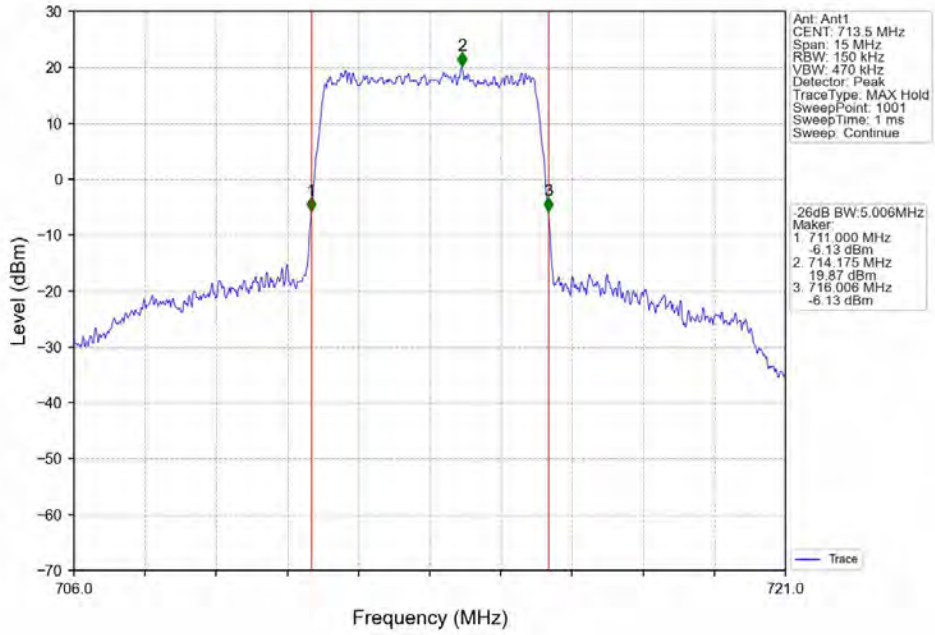
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.990	/	Pass
		710	25	0	4.994	/	Pass
		713.5	25	0	5.006	/	Pass
	16QAM	706.5	25	0	4.982	/	Pass
		710	25	0	4.994	/	Pass
		713.5	25	0	5.029	/	Pass
10	QPSK	709	50	0	9.920	/	Pass
		710	50	0	9.903	/	Pass
		711	50	0	9.974	/	Pass
	16QAM	709	50	0	9.845	/	Pass
		710	50	0	9.839	/	Pass
		711	50	0	9.887	/	Pass



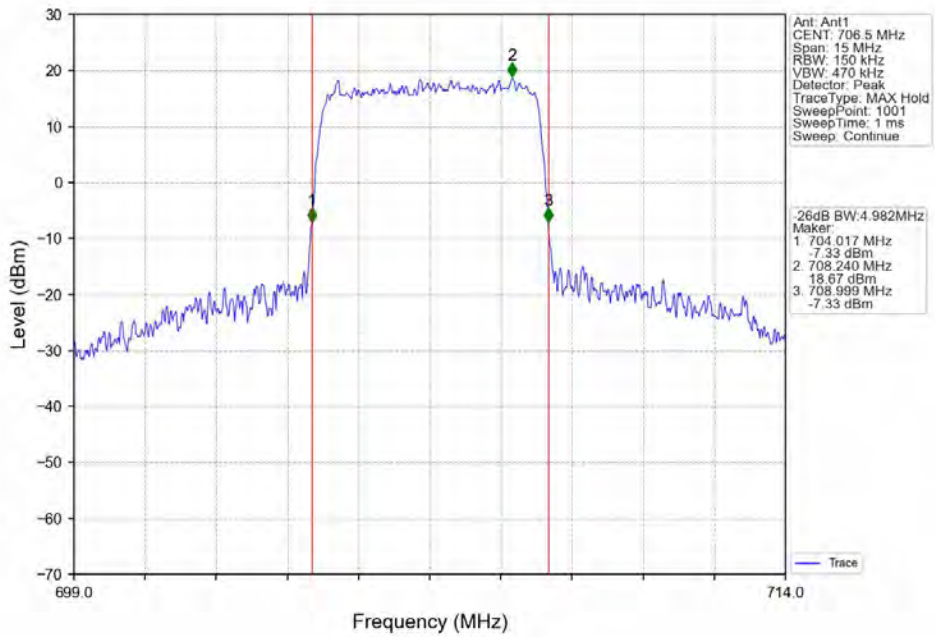
## 4.2.2 Test Graph



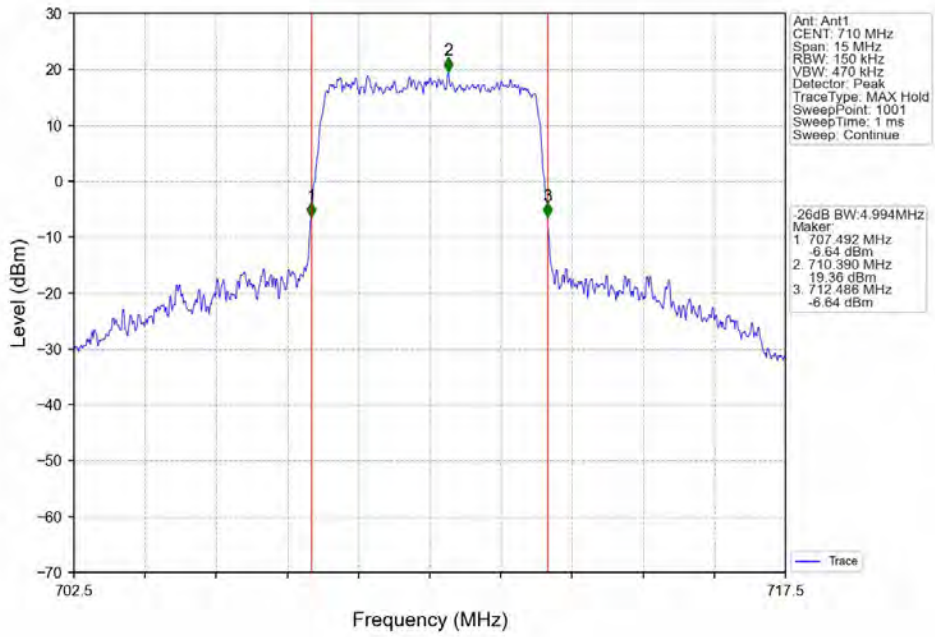
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



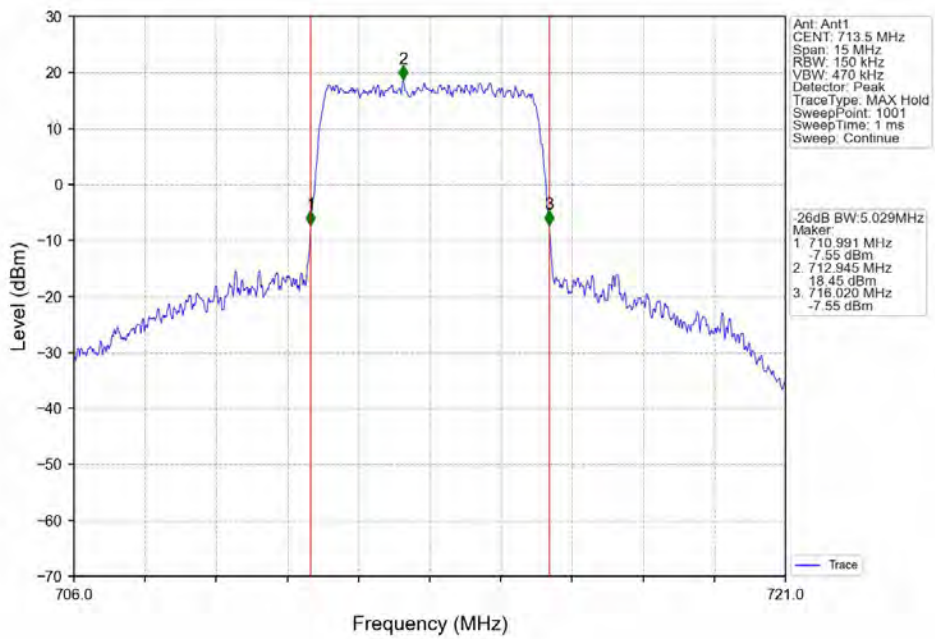
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



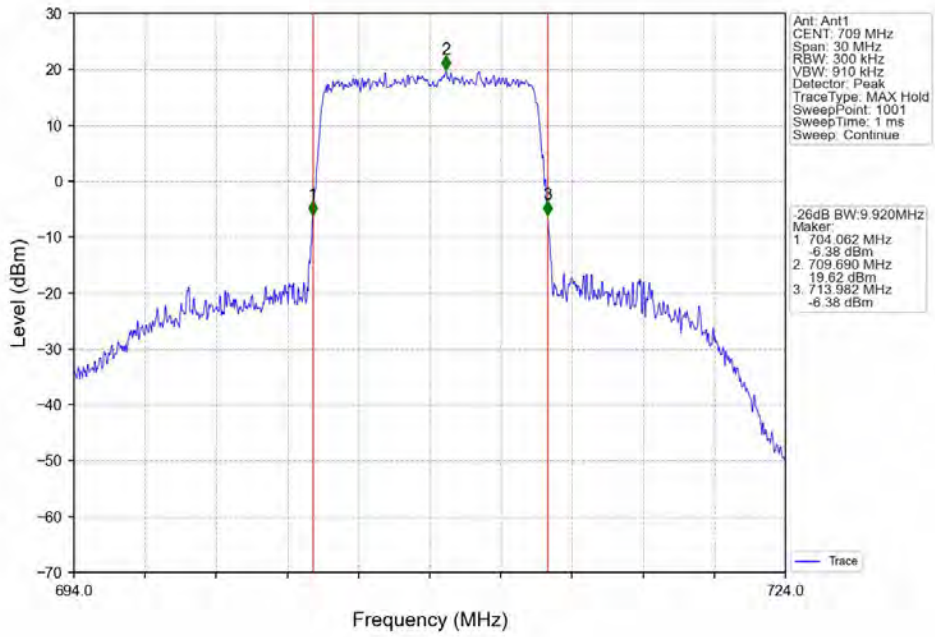
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



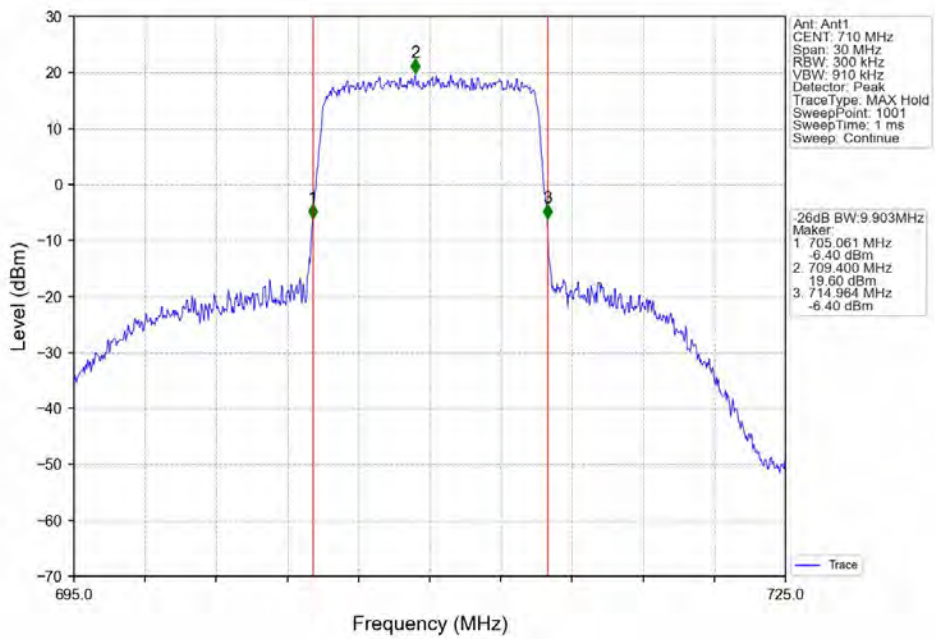
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



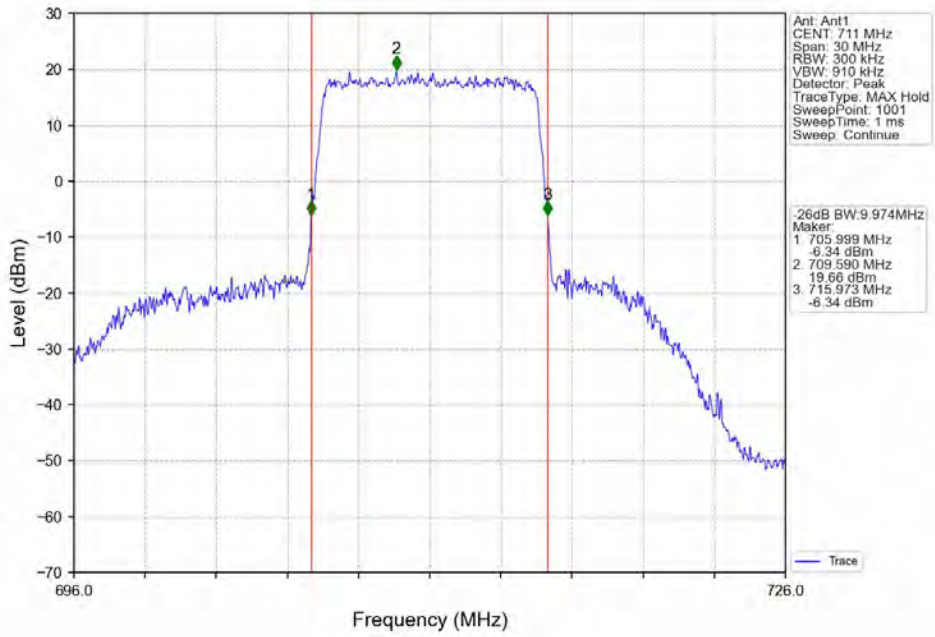
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



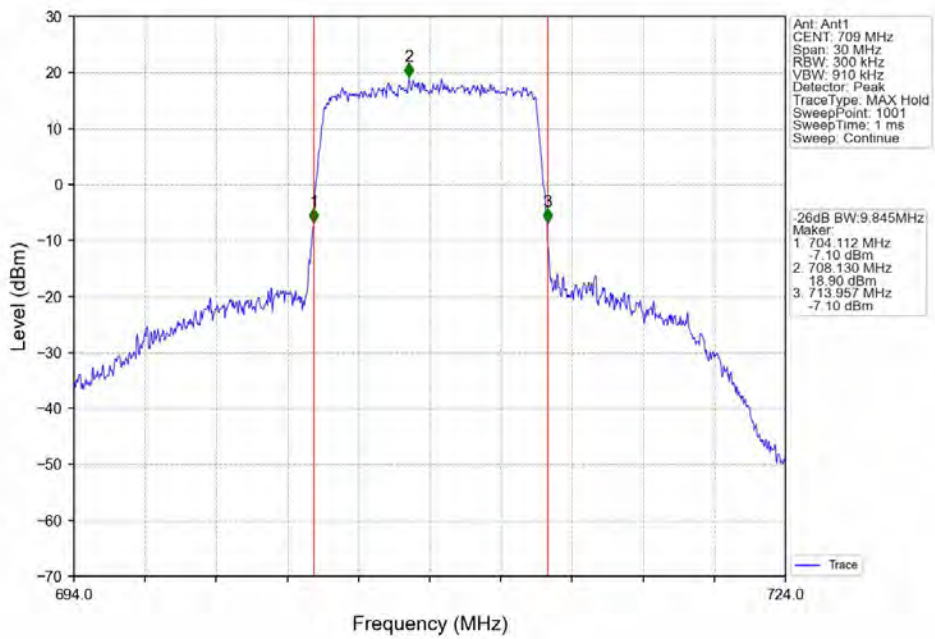
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV

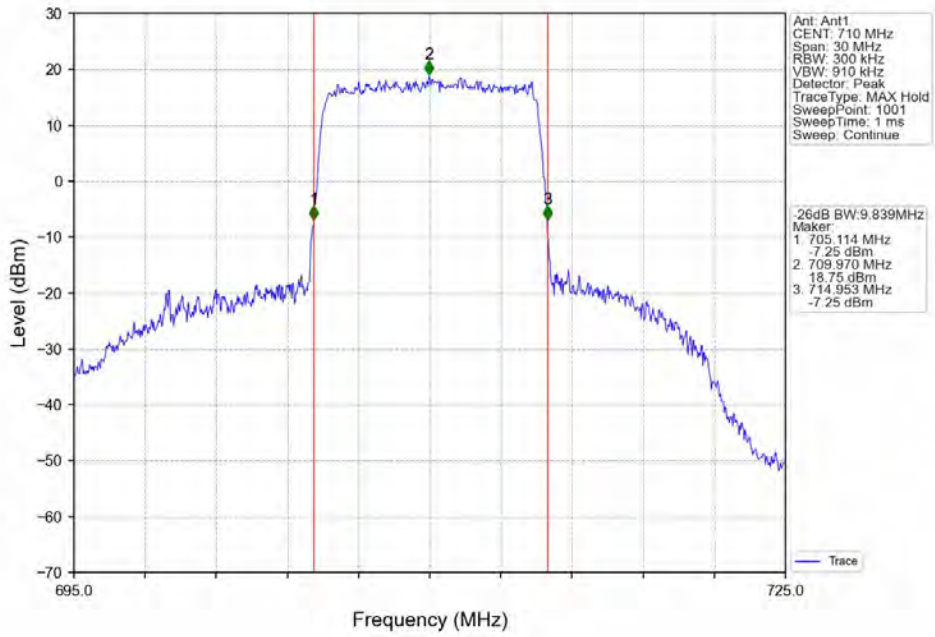


Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV

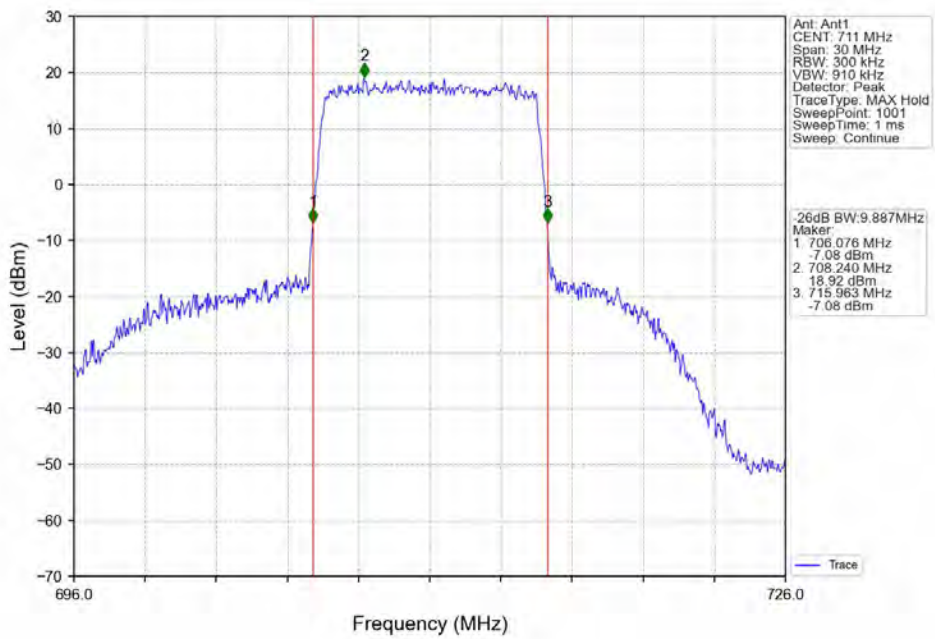




Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



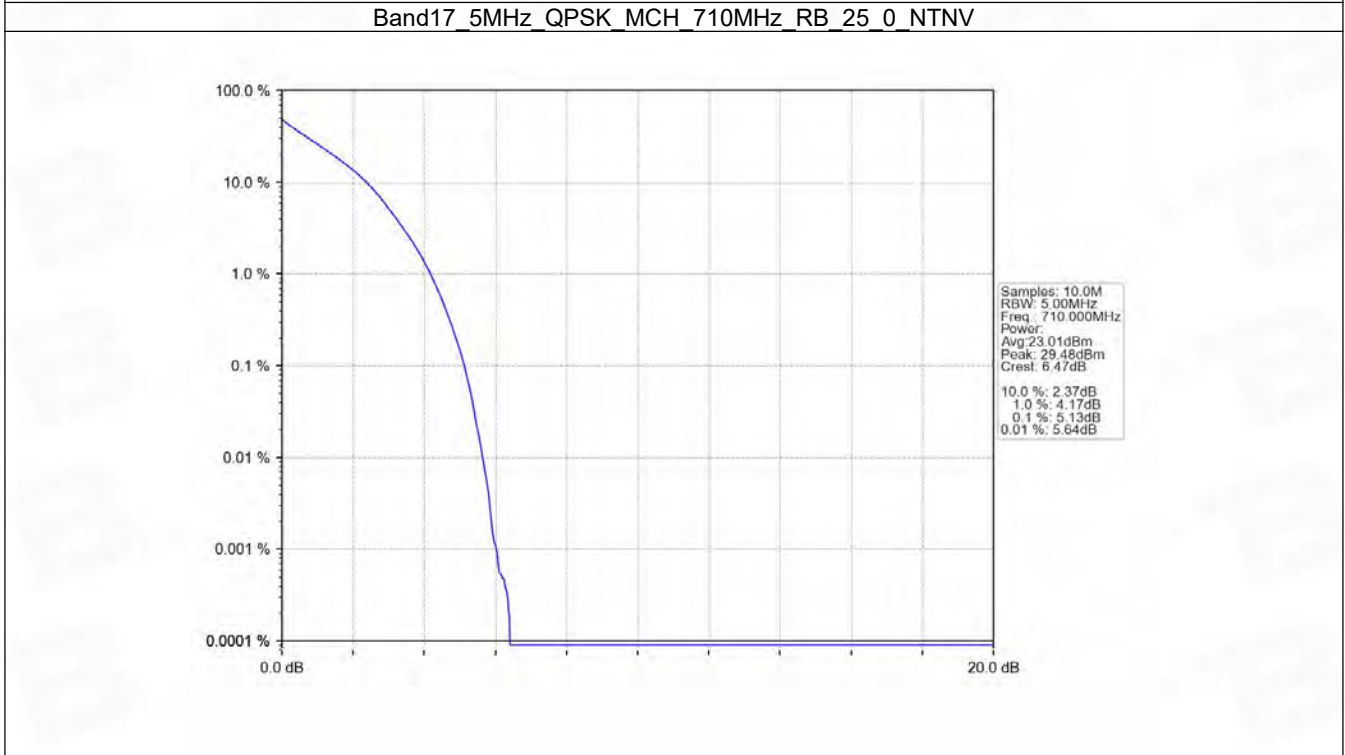
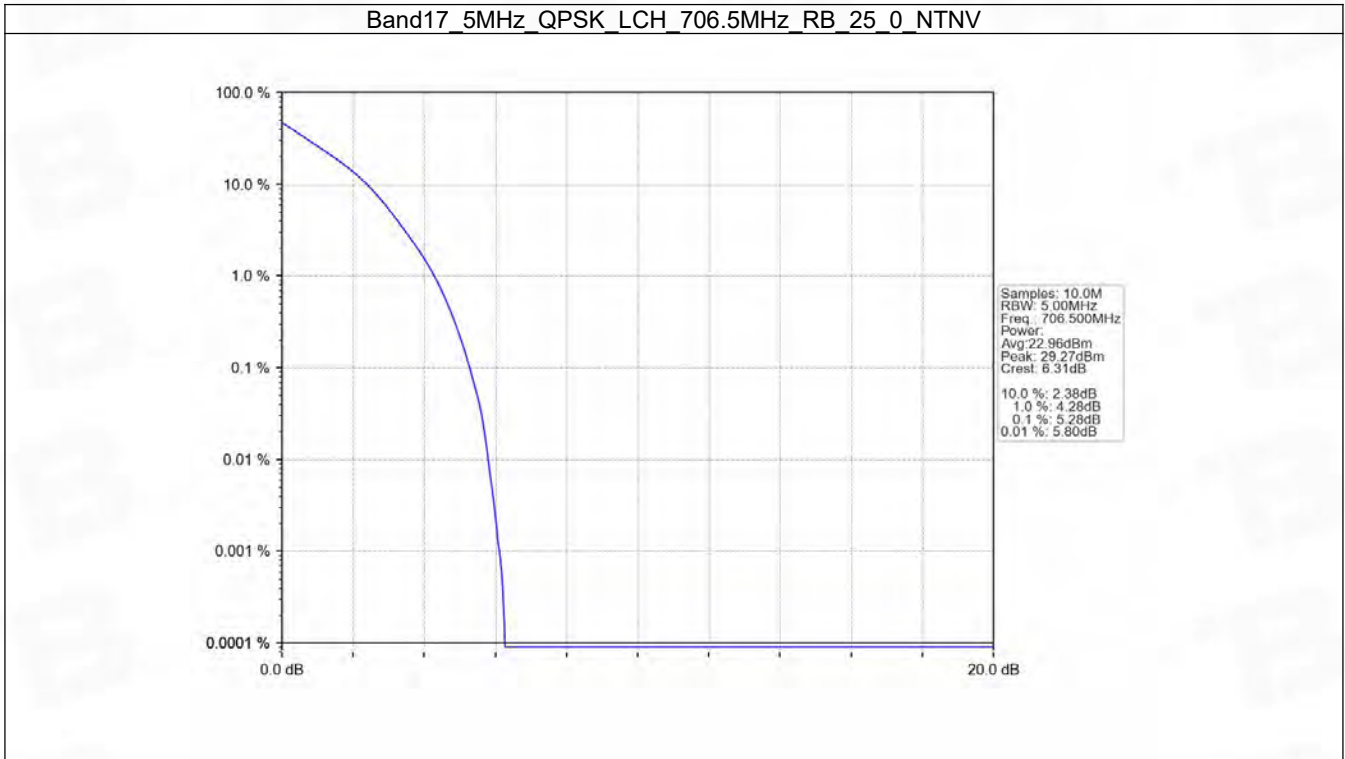
## 5. Peak-Average Ratio

### 5.1 B17\_5MHz

#### 5.1.1 Test Result

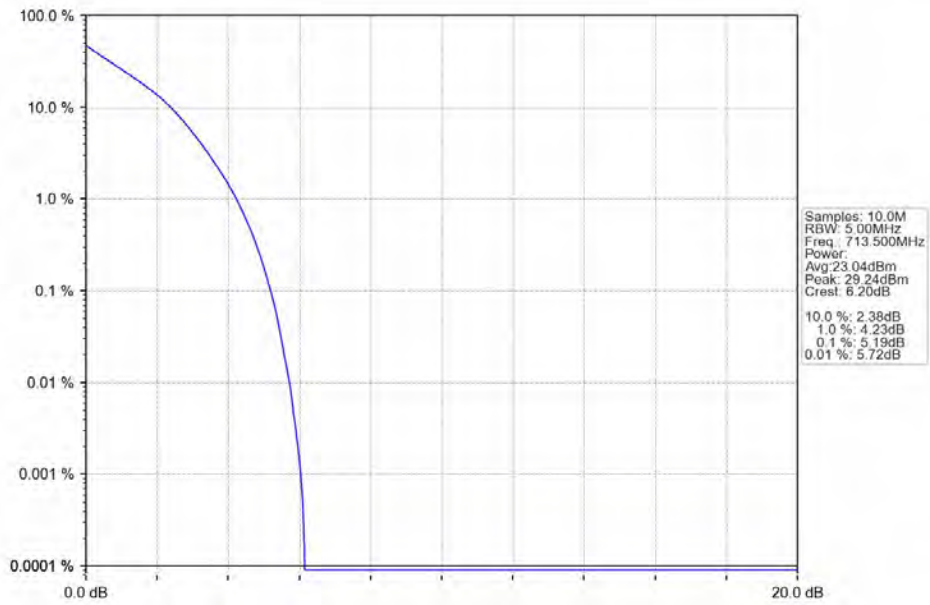
Band: 17 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.28	<=13	Pass
	710	25	0	5.13	<=13	Pass
	713.5	25	0	5.19	<=13	Pass
16QAM	706.5	25	0	6.01	<=13	Pass
	710	25	0	5.81	<=13	Pass
	713.5	25	0	5.90	<=13	Pass

### 5.1.2 Test Graph

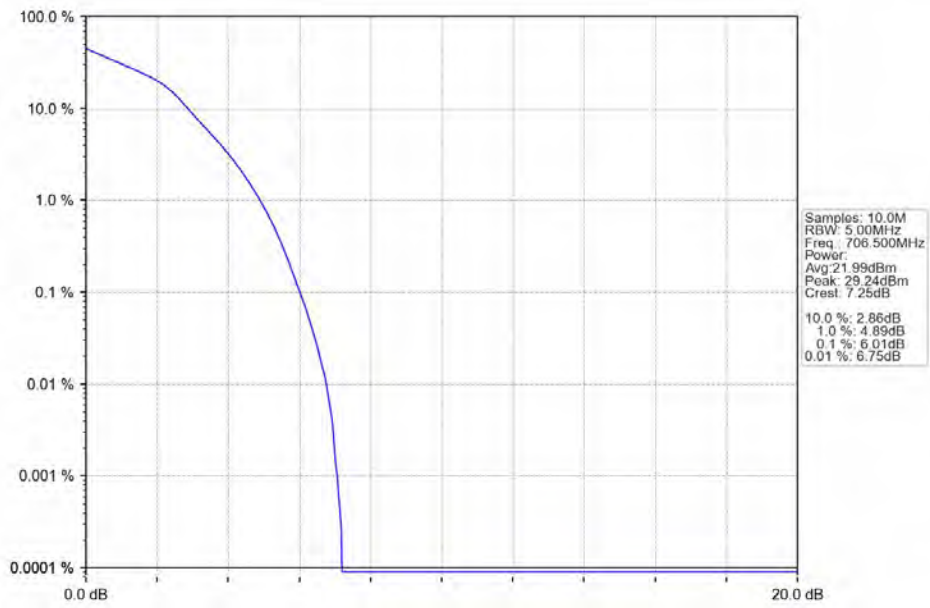




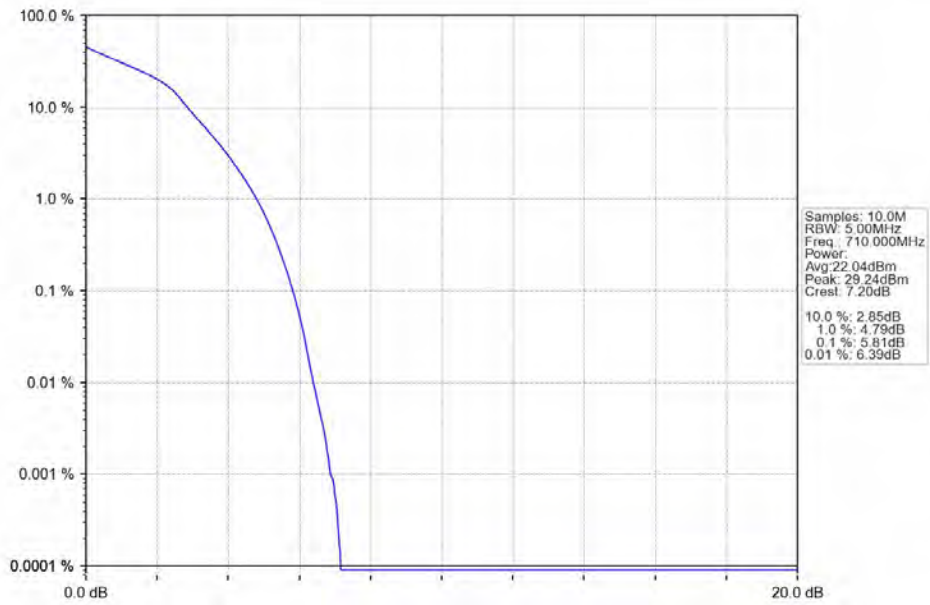
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



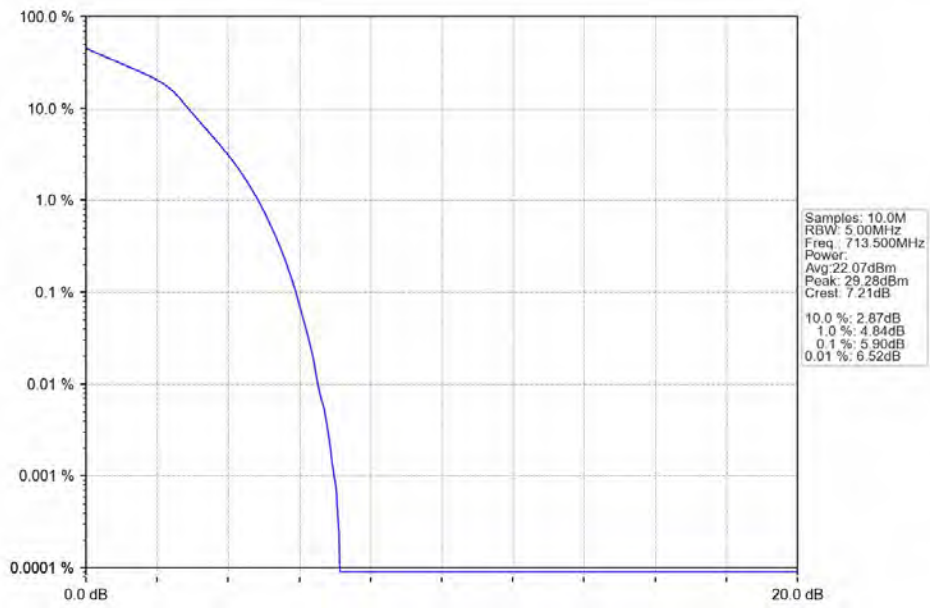
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

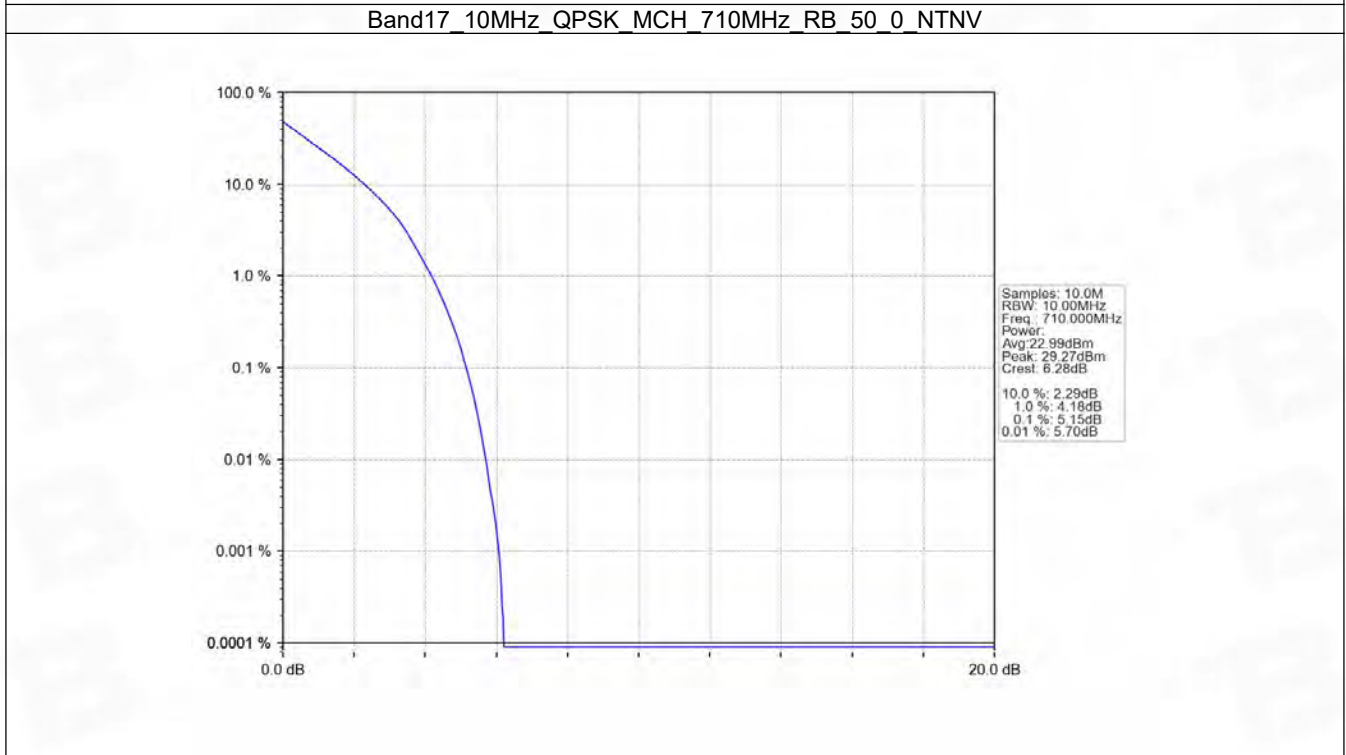
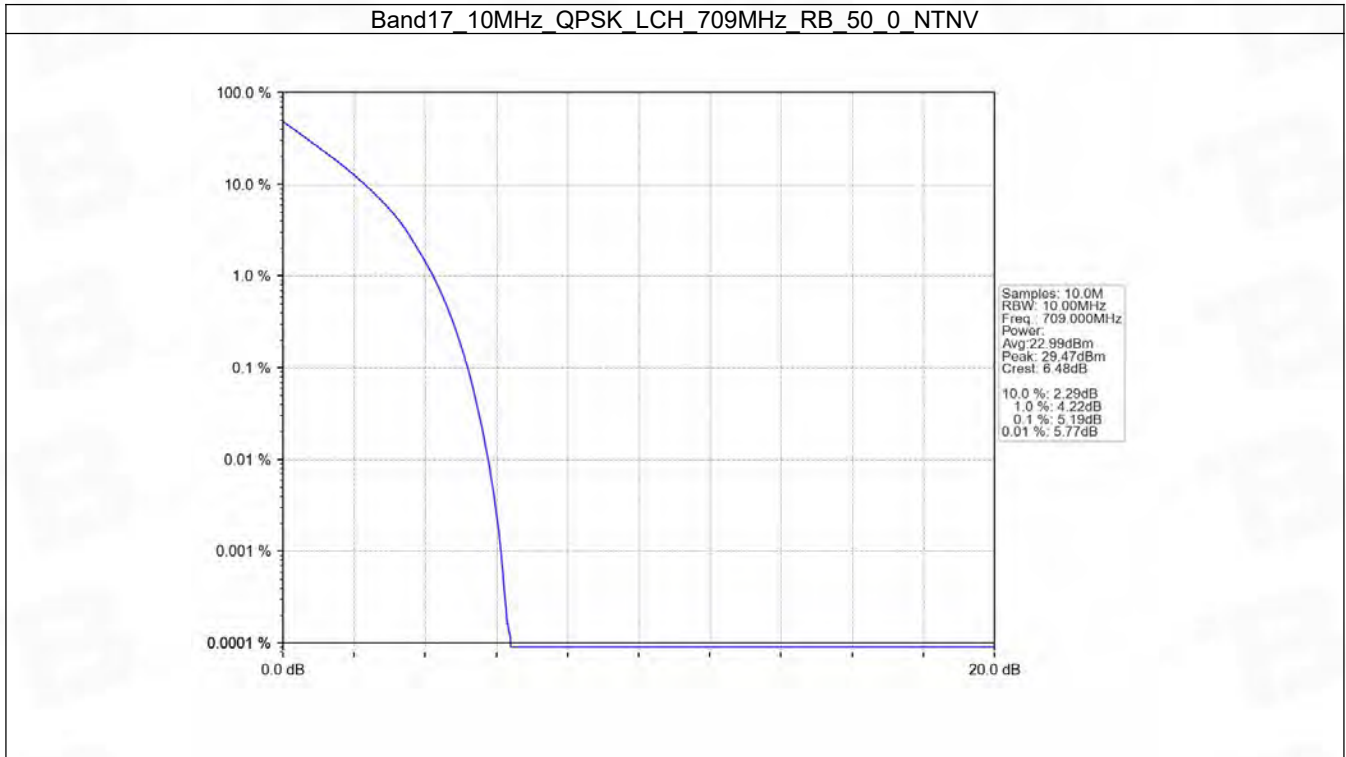


## 5.2 B17\_10MHz

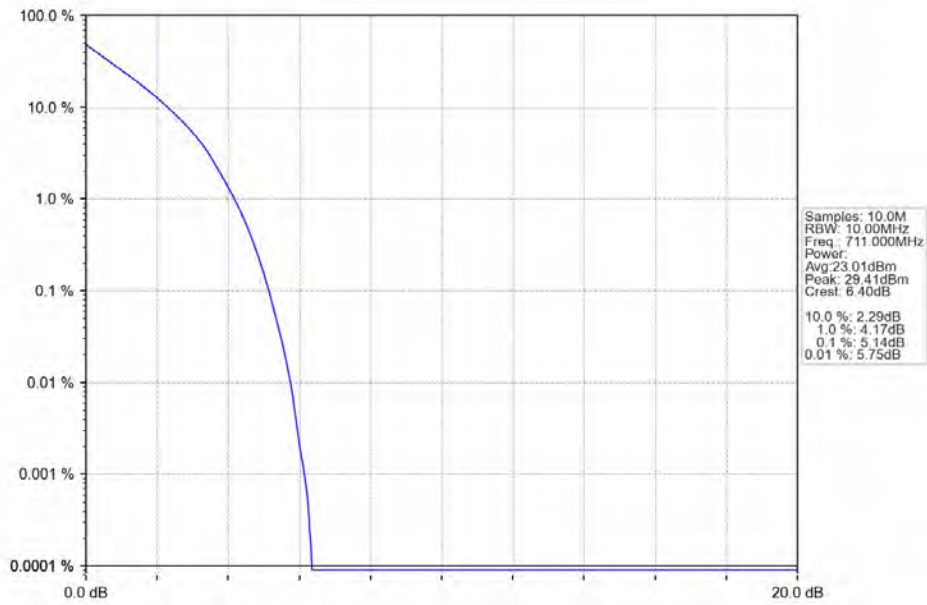
### 5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.19	<=13	Pass
	710	50	0	5.15	<=13	Pass
	711	50	0	5.14	<=13	Pass
16QAM	709	50	0	5.98	<=13	Pass
	710	50	0	5.94	<=13	Pass
	711	50	0	5.89	<=13	Pass

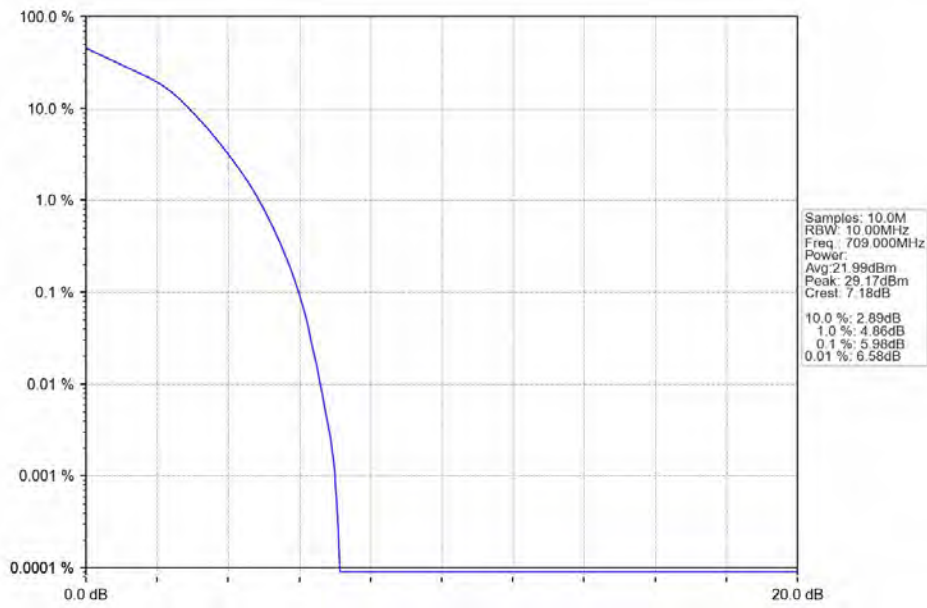
## 5.2.2 Test Graph



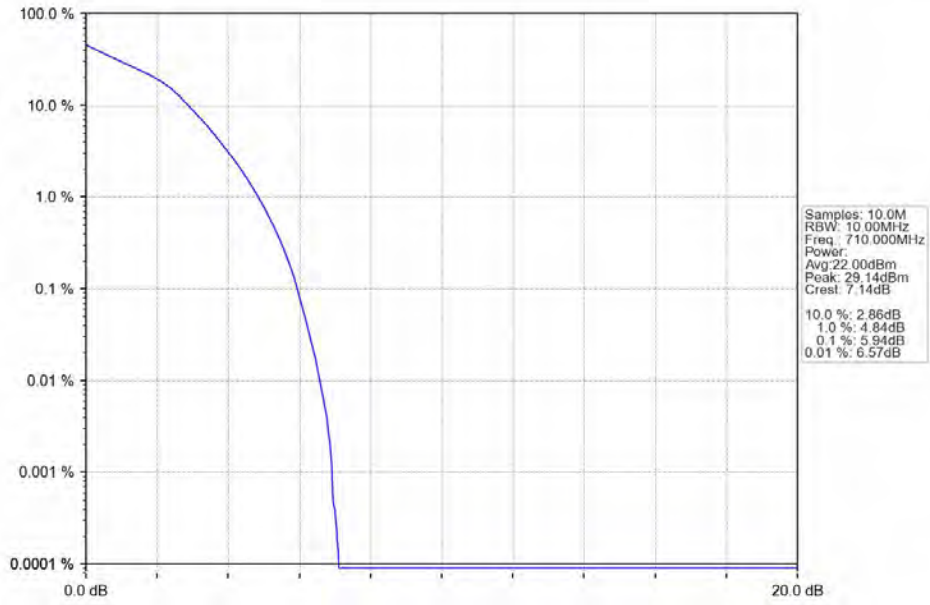
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



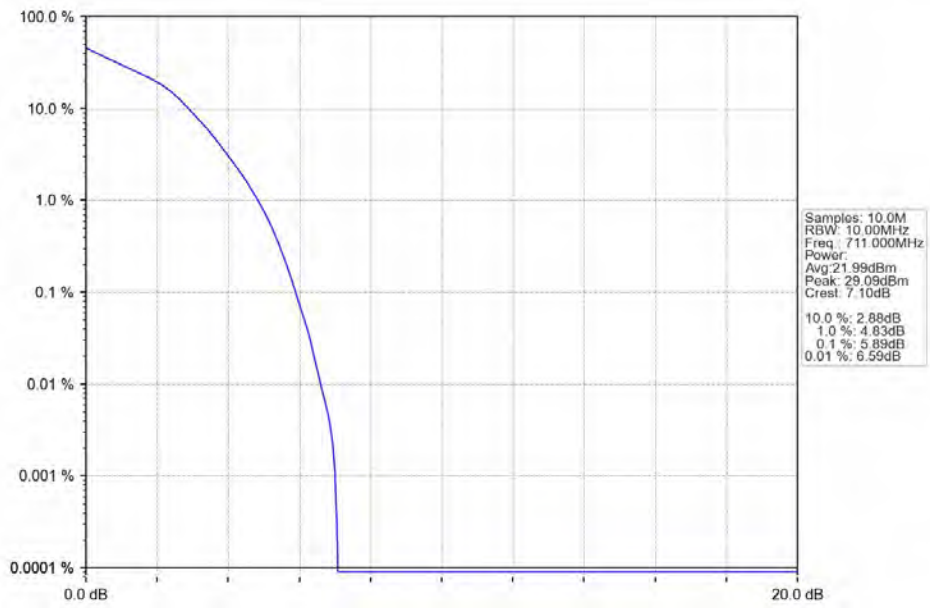
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



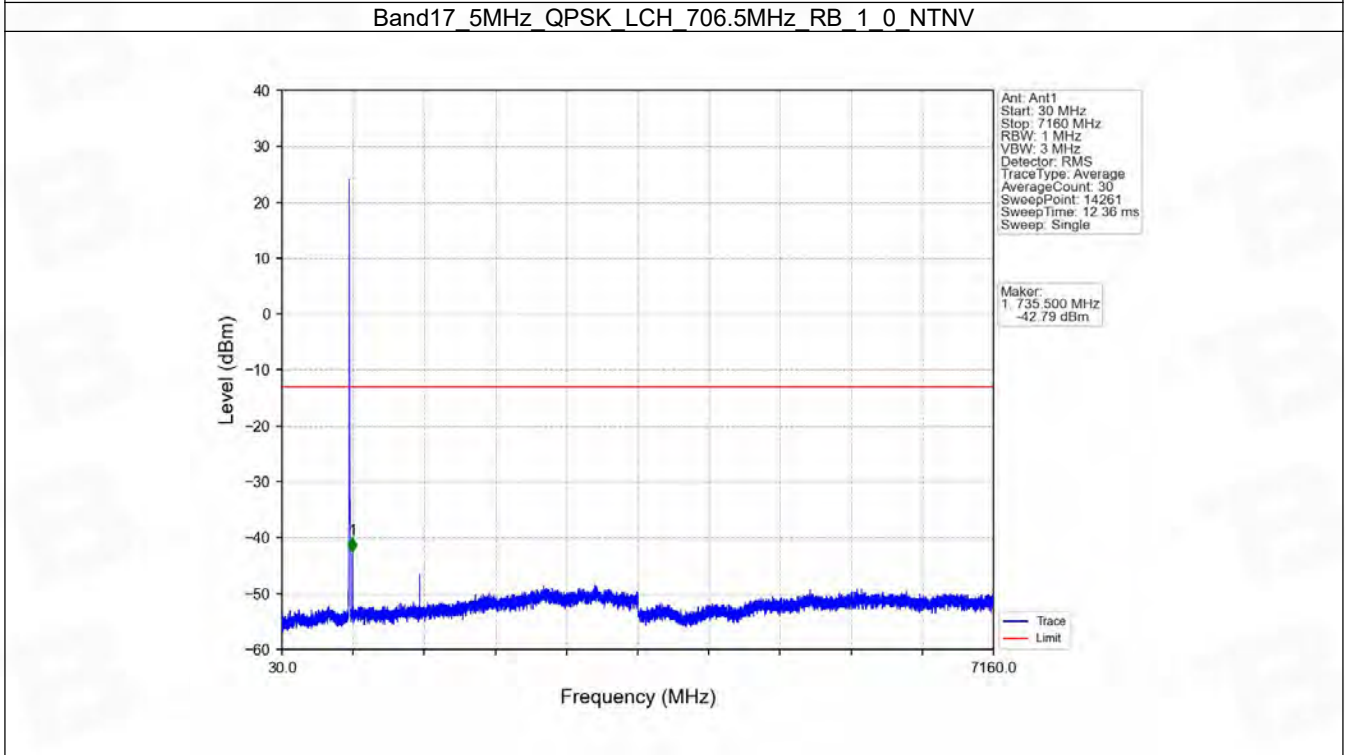
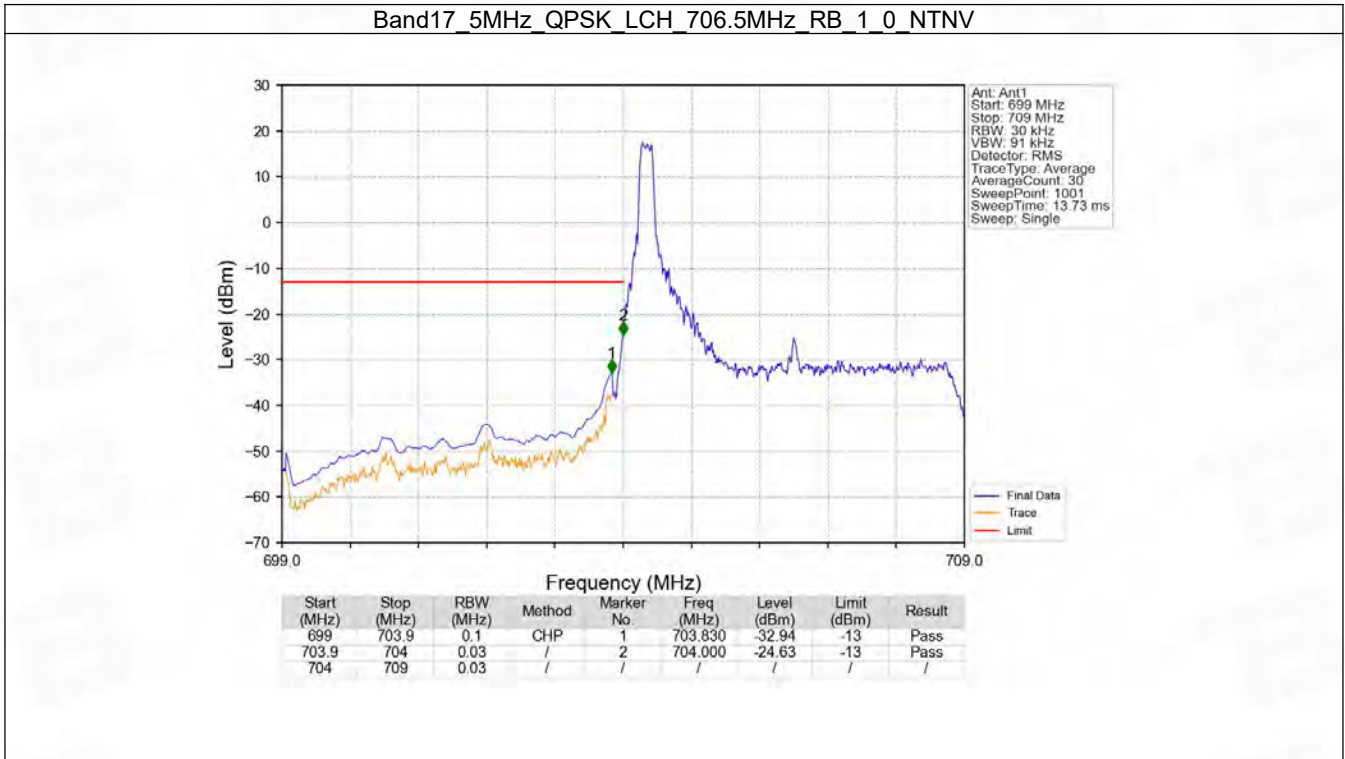
## 6. Spurious Emission

### 6.1 B17\_5MHz

#### 6.1.1 Test Result

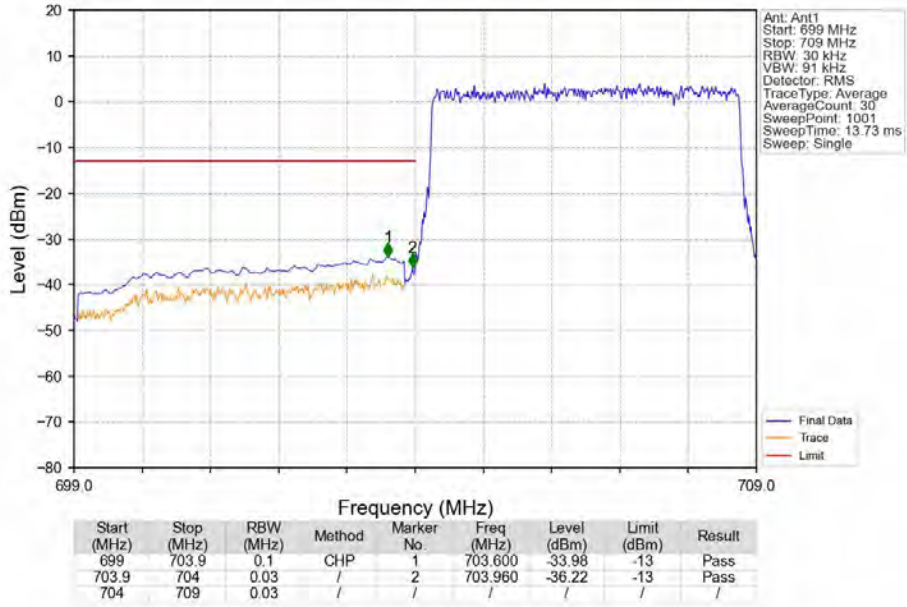
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
			25	0	Refer To Test Graph	
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	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

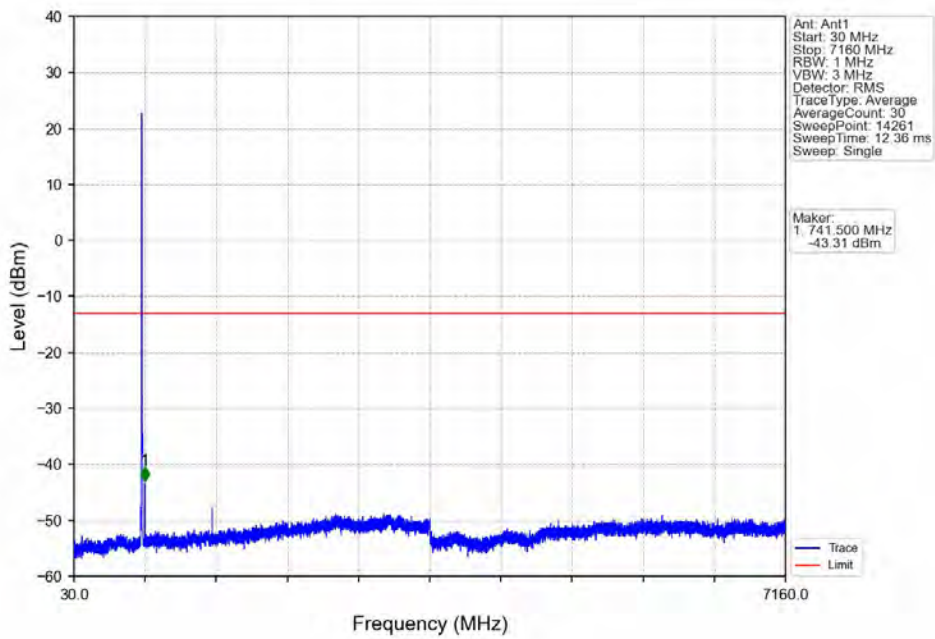




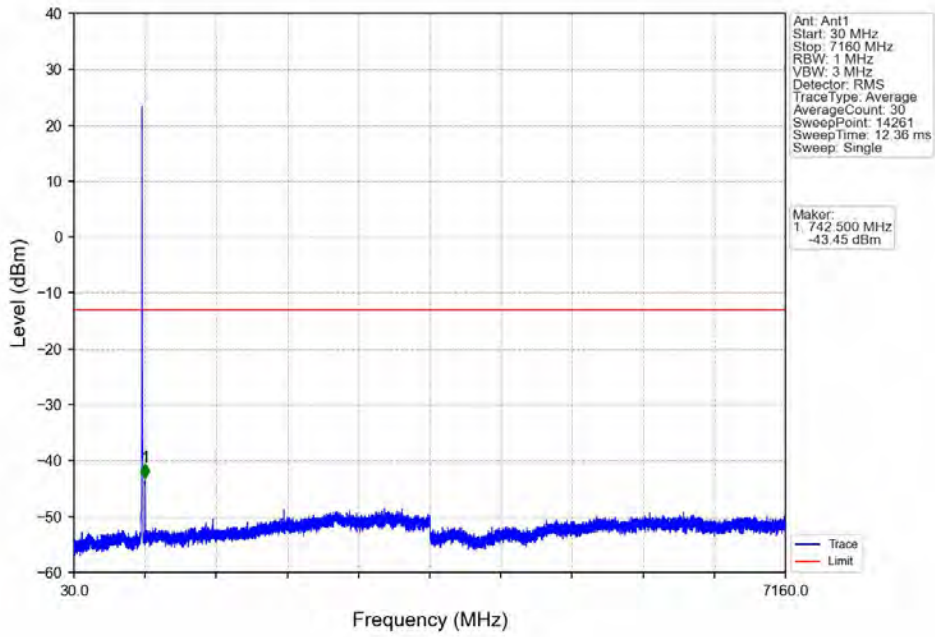
Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



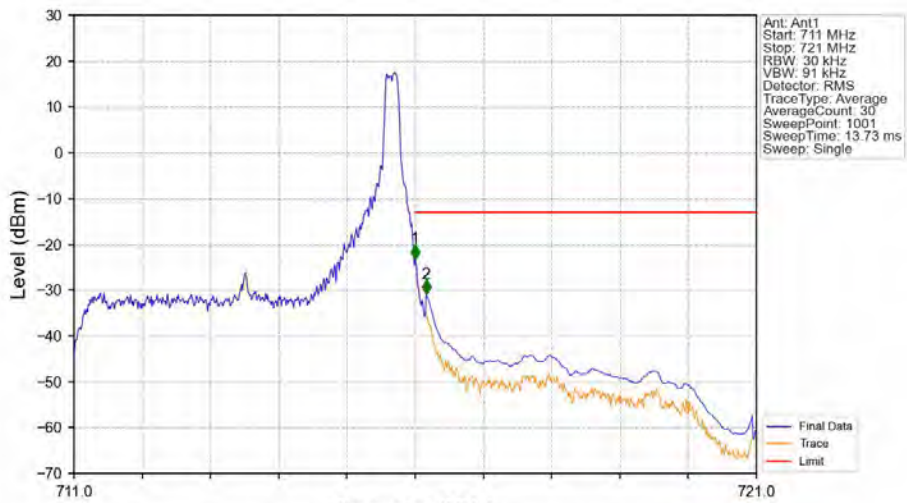
Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

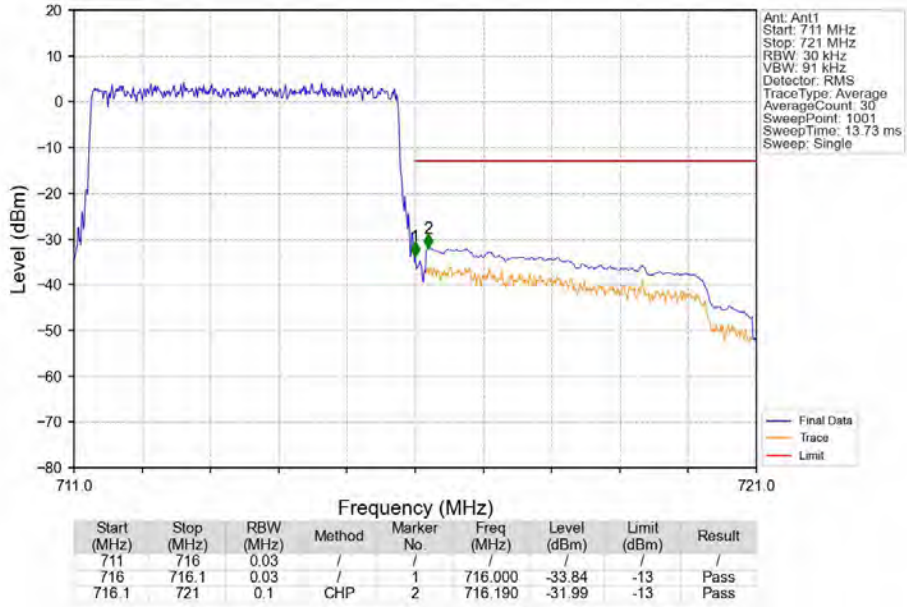


Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_24\_NTNV

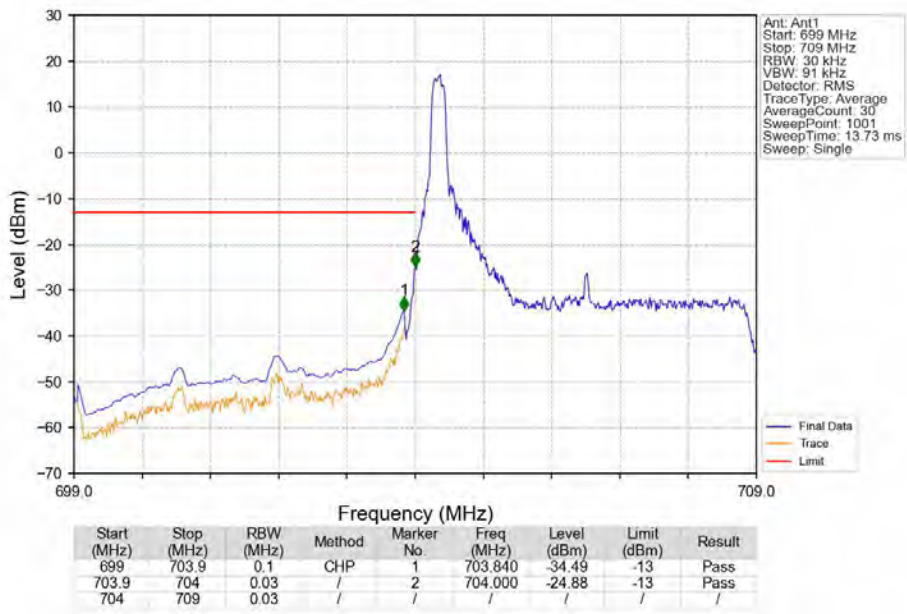


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.000	-23.20	-13	Pass
716	716.1	0.03	/	1	716.000	-23.20	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.89	-13	Pass

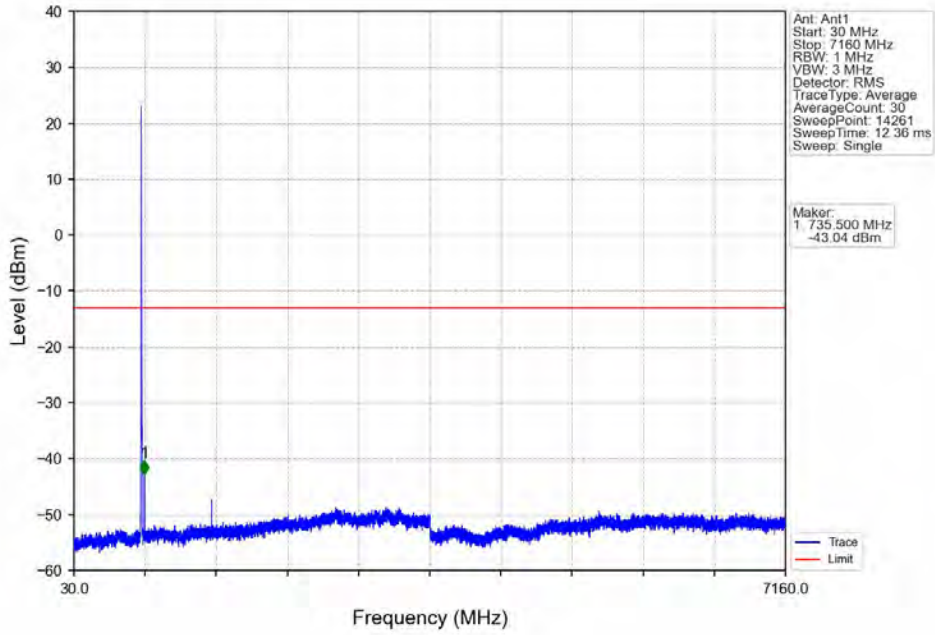
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



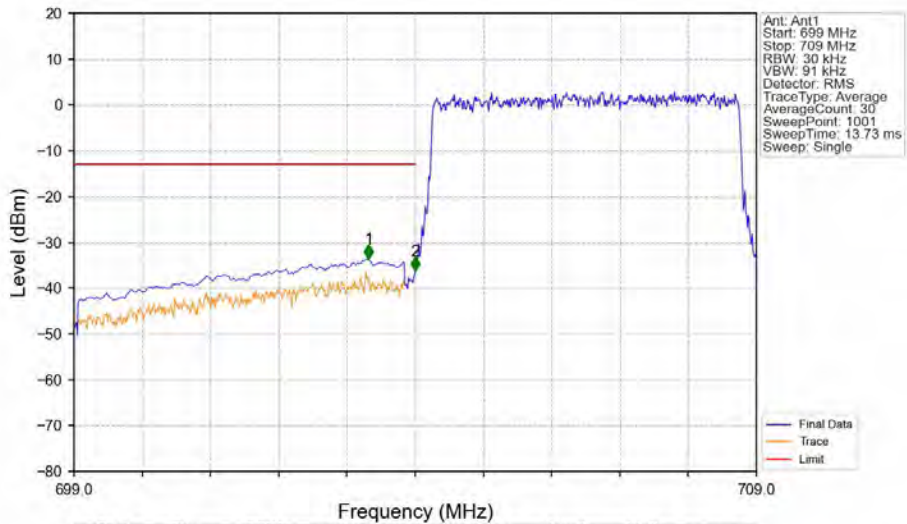
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV



Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_1\_0\_NTNV

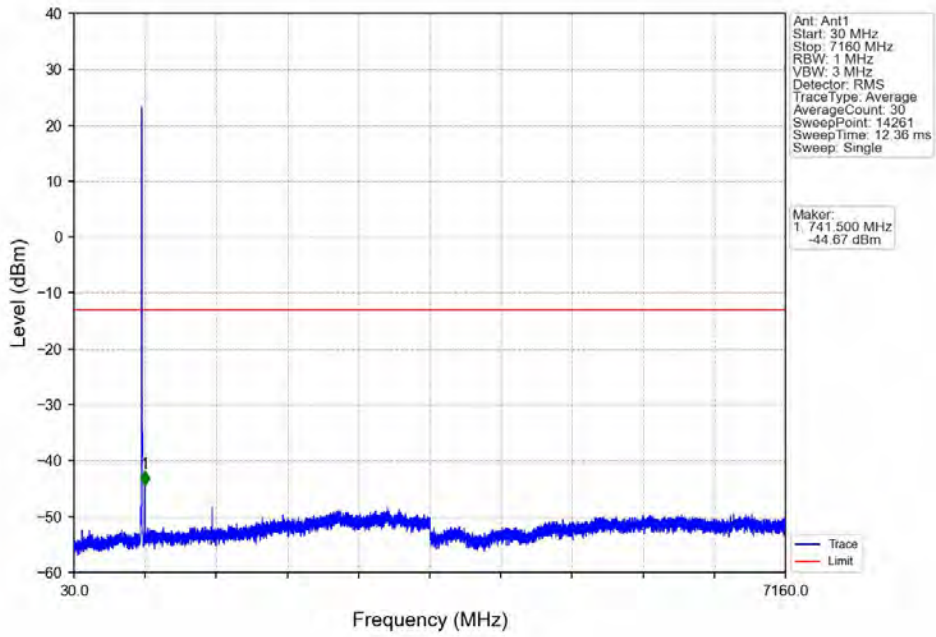


Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV

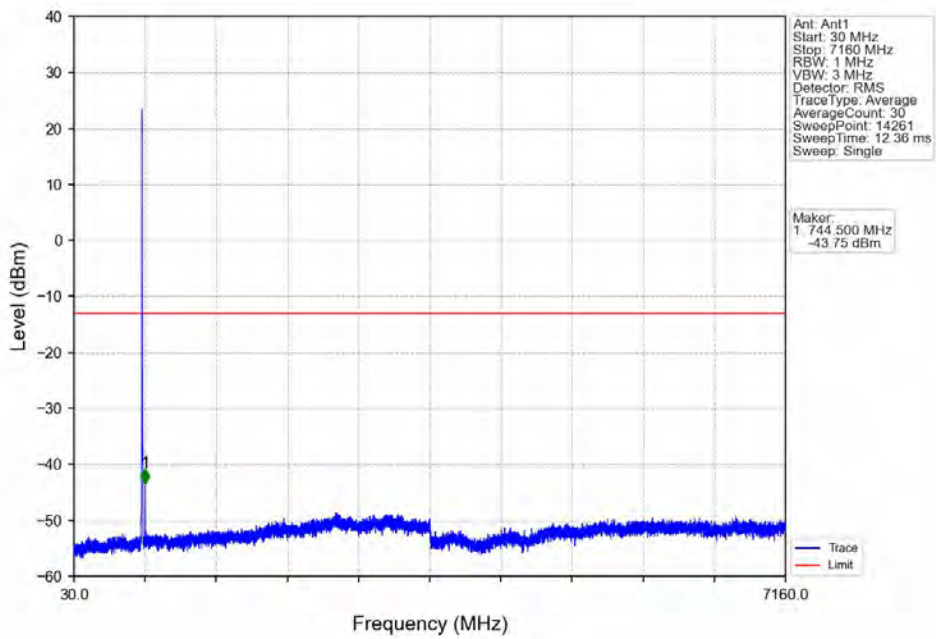


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.320	-33.57	-13	Pass
703.9	704	0.03	/	2	704.000	-36.34	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV

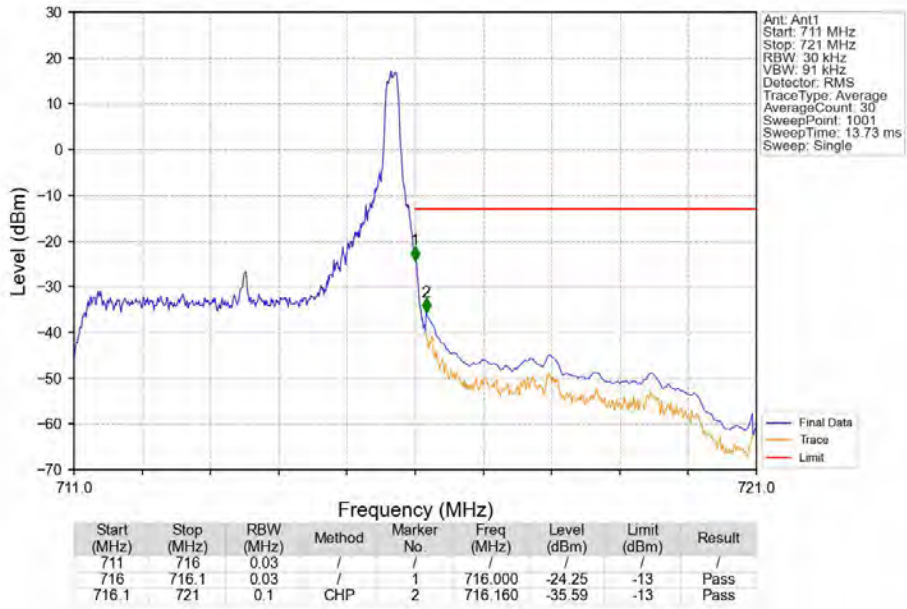


Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

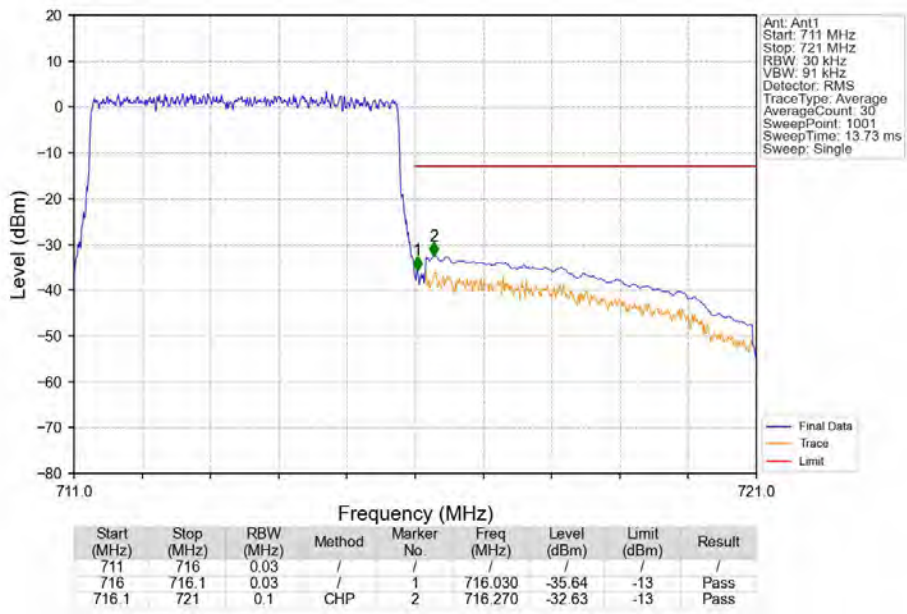




Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTV



Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV

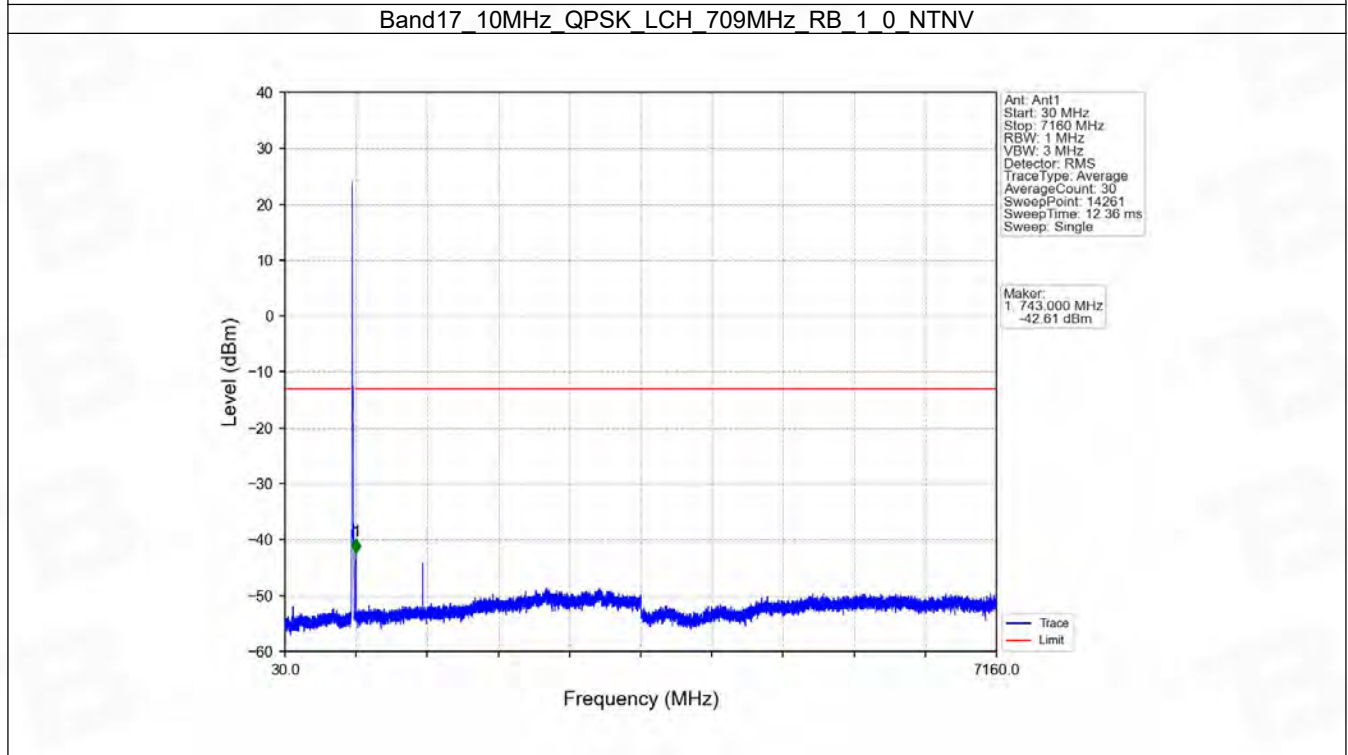
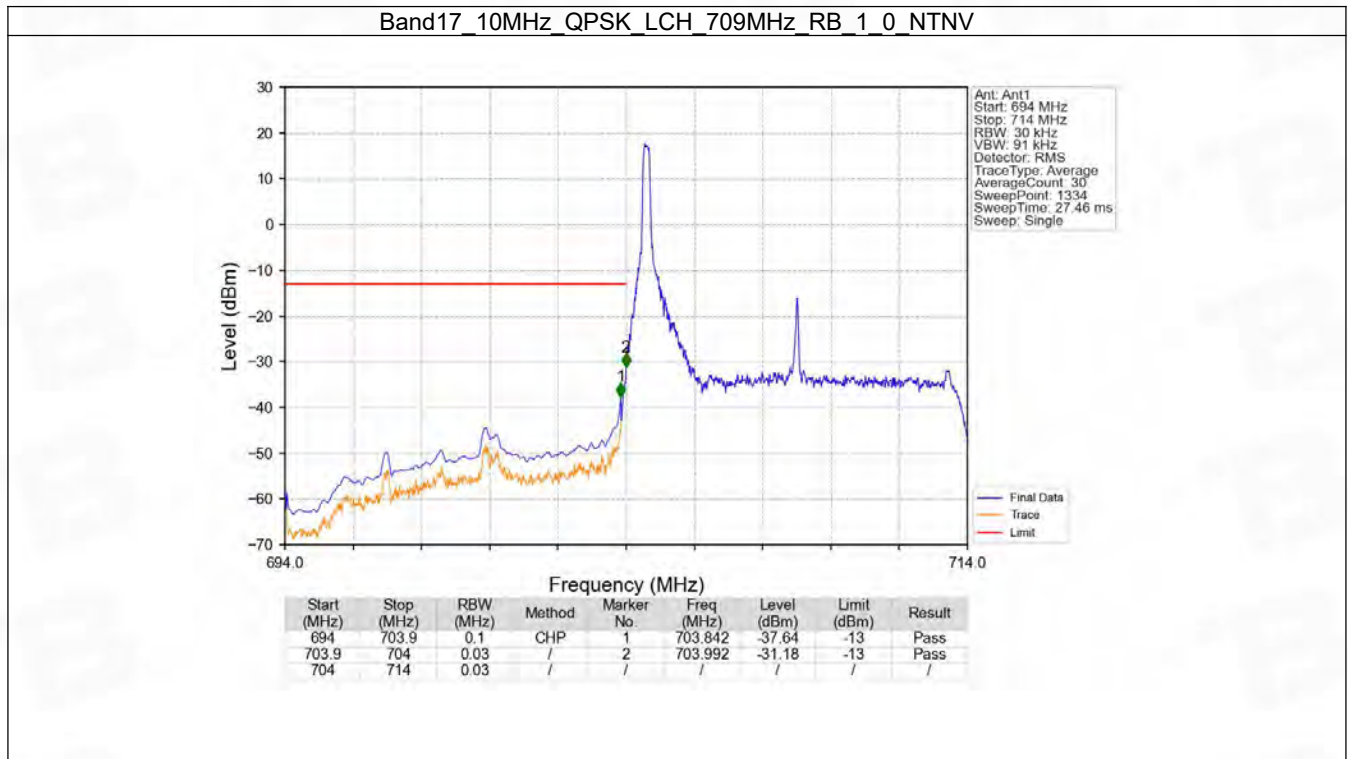


## 6.2 B17\_10MHz

### 6.2.1 Test Result

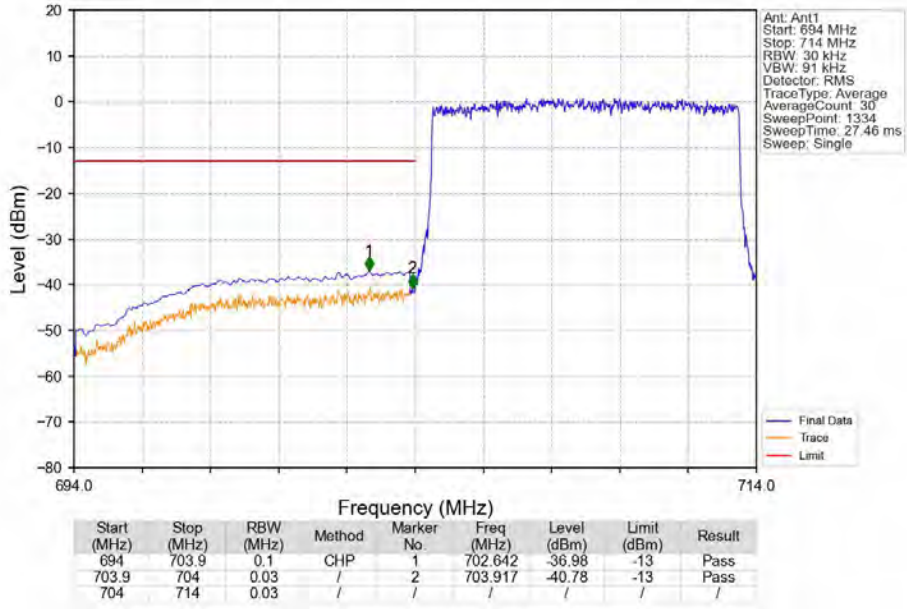
Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

## 6.2.2 Test Graph

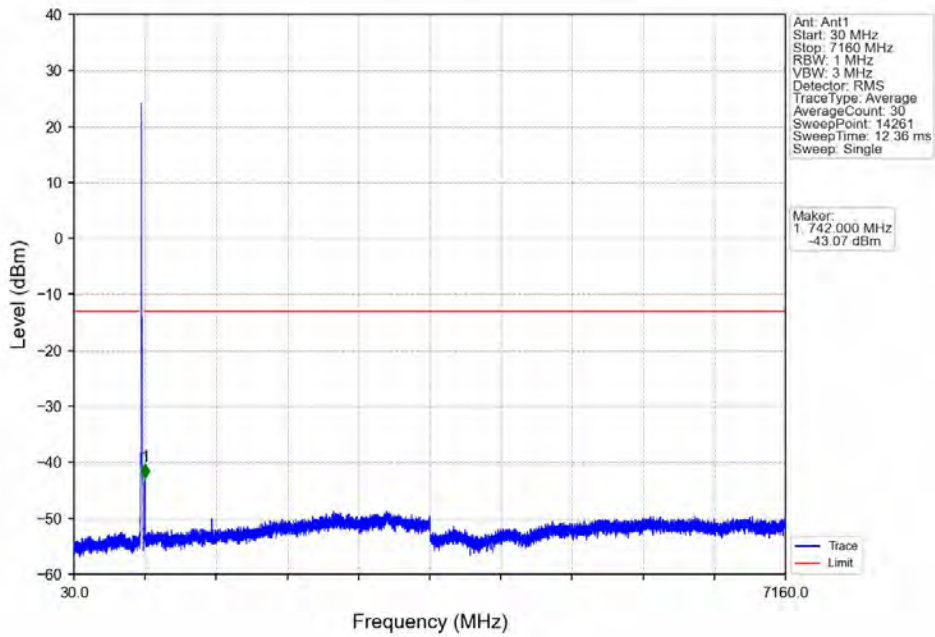




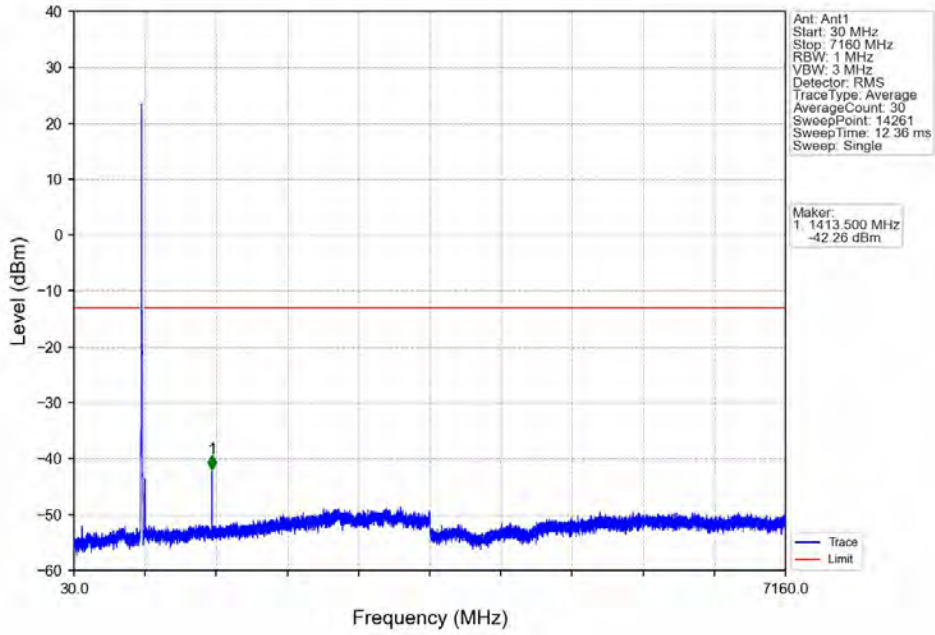
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



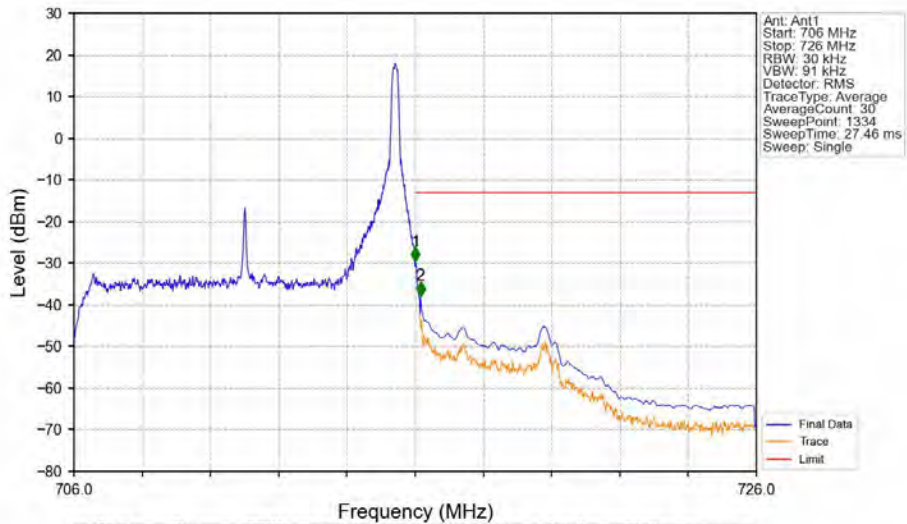
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV

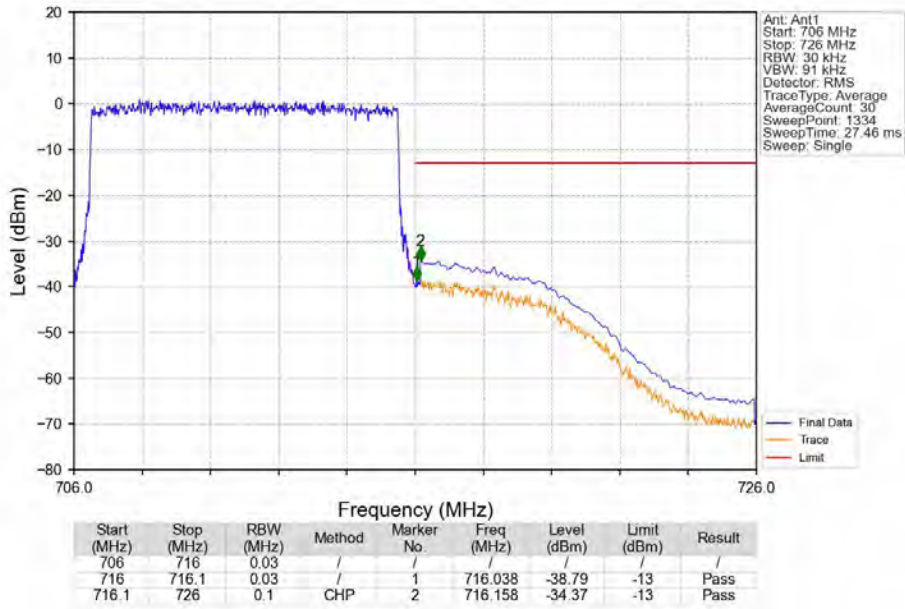


Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_49\_NTNV

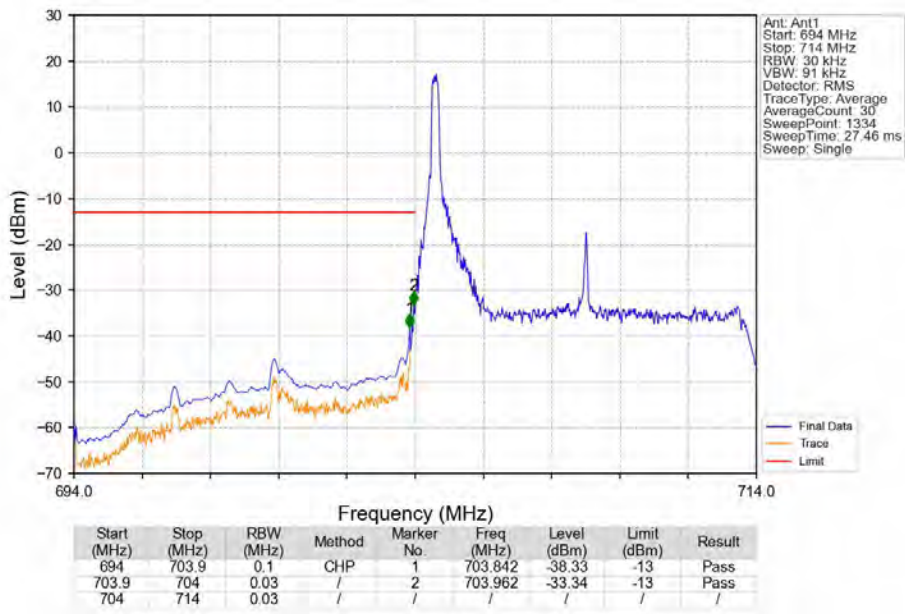


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-29.63	-13	Pass
716	716.1	0.03	/	1	716.008	-29.63	-13	Pass
716.1	726	0.1	CHP	2	716.158	-37.83	-13	Pass

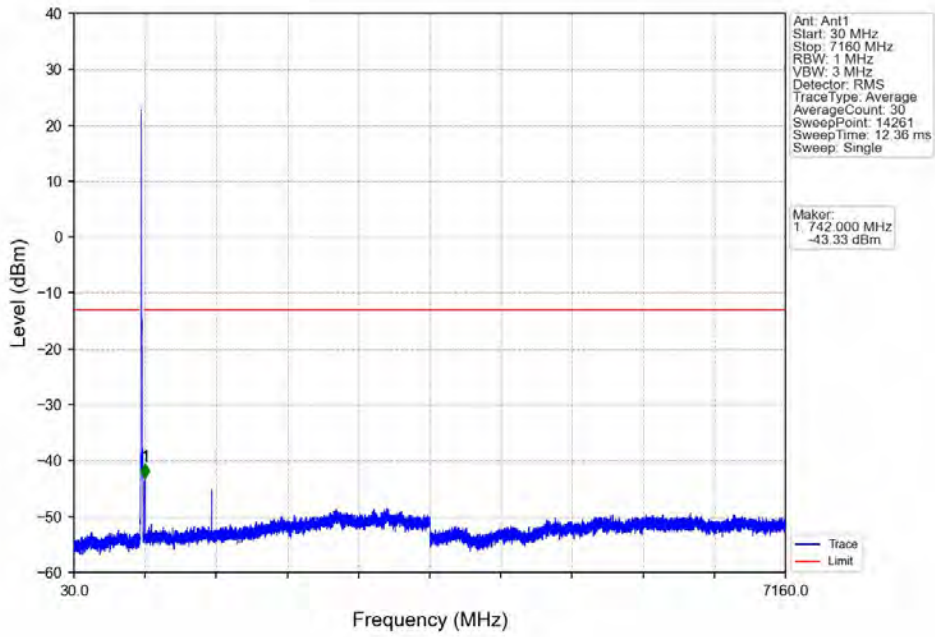
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



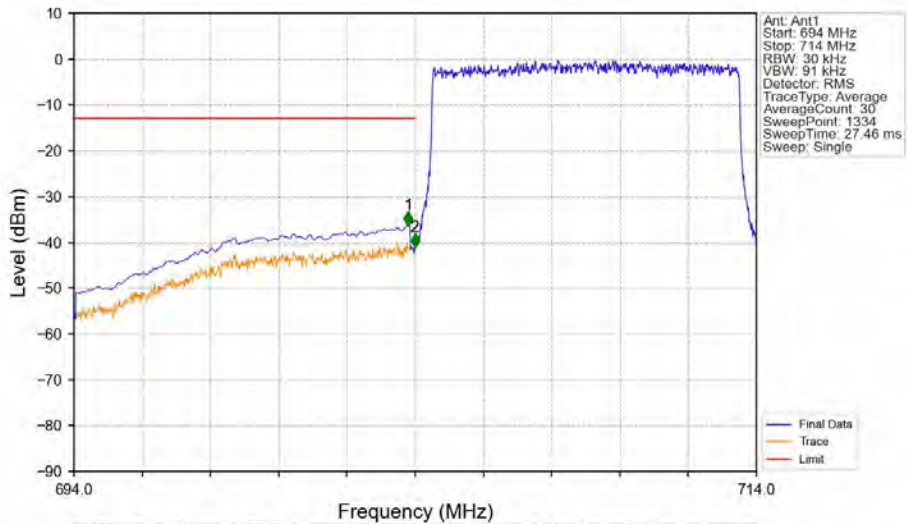
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_1\_0\_NTNV



Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTV

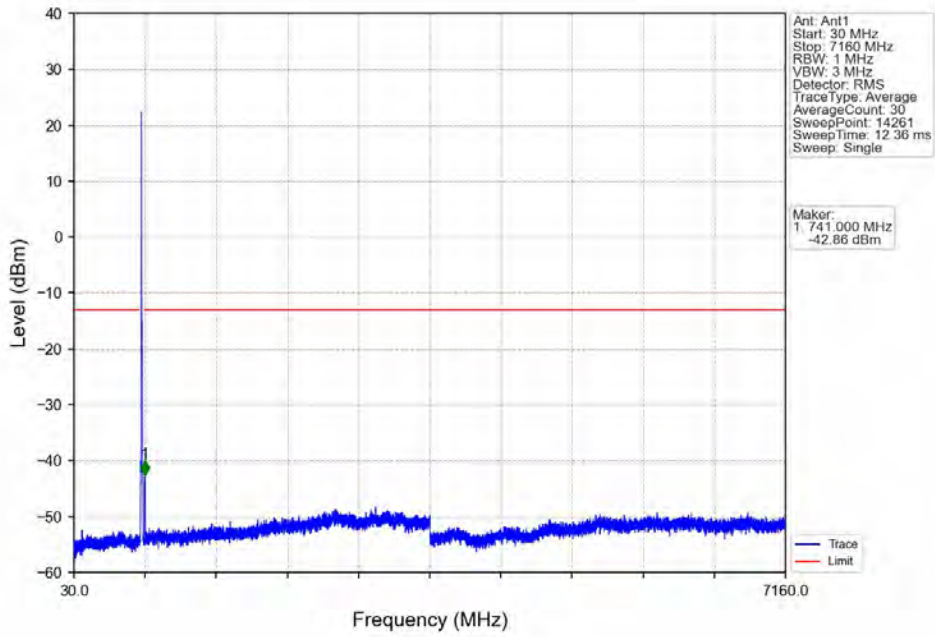


Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTV

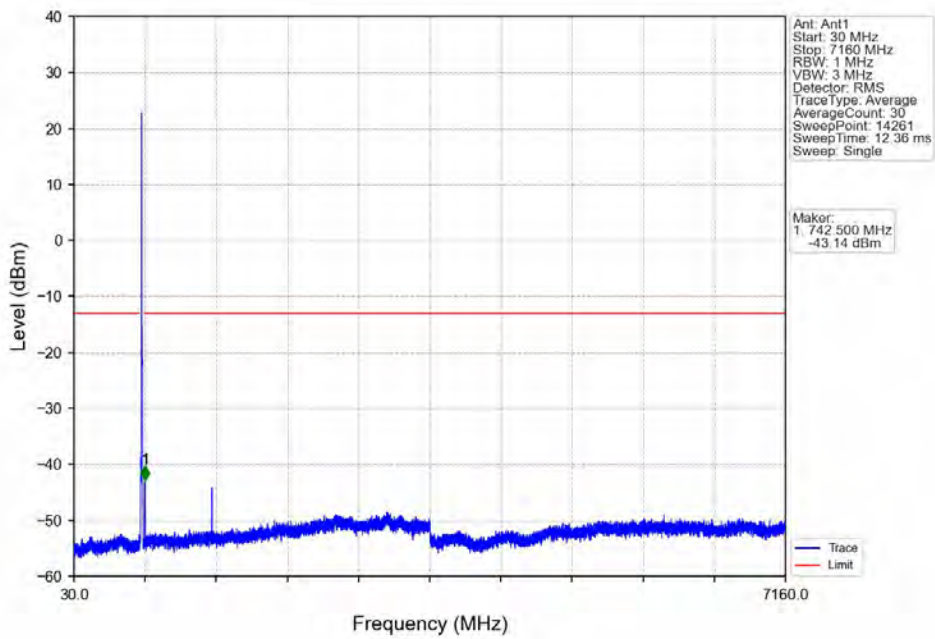


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.797	-36.30	-13	Pass
703.9	704	0.03	/	2	703.992	-41.08	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_1\_0\_NTNV

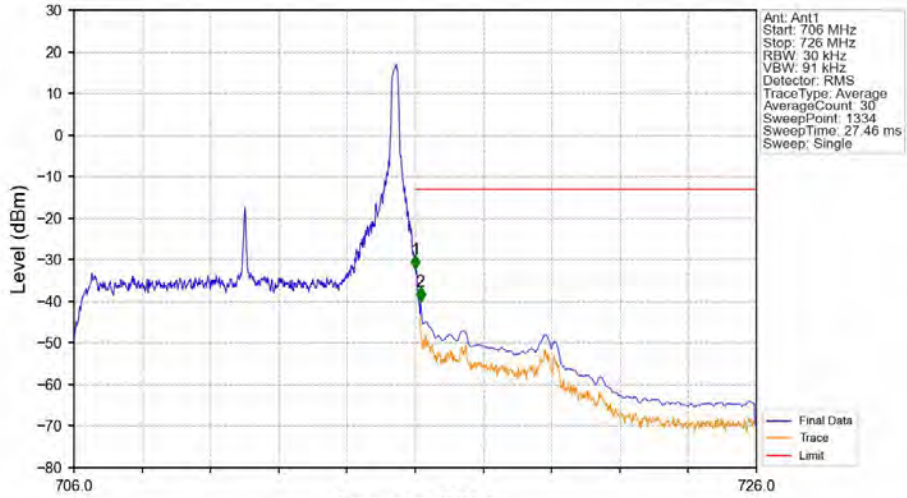


Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_0\_NTNV



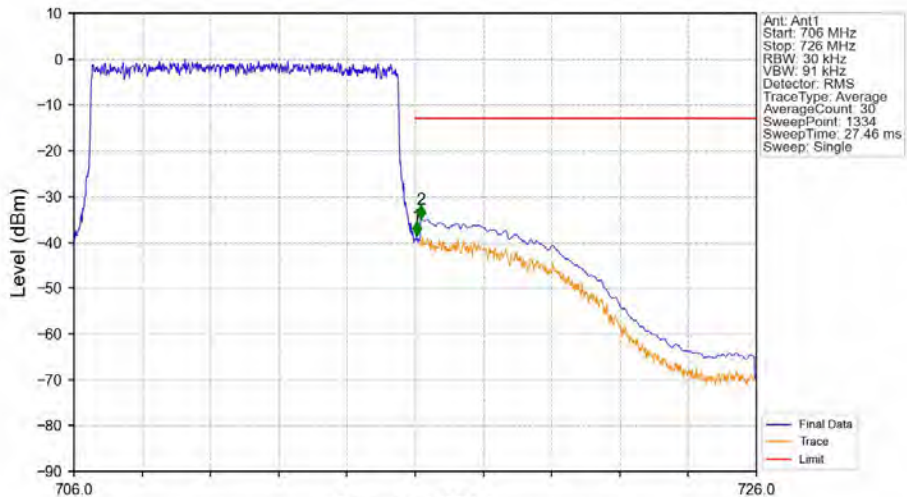


Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_1\_49\_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-32.23	-13	Pass
716.1	726	0.1	CHP	2	716.158	-40.00	-13	Pass

Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.038	-38.57	-13	Pass
716.1	726	0.1	CHP	2	716.173	-35.05	-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)
17	5	706.5	713.5	0.2529	0.0104	ppm	4M55G7D	27H	24.03
17	5	706.5	713.5	0.2094	0.0092	ppm	4M56W7D	27H	23.21
17	10	709	711	0.2559	0.0062	ppm	9M05G7D	27H	24.08
17	10	709	711	0.2223	0.0066	ppm	9M03W7D	27H	23.47

### 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)
17	5	706.5	713.5	0.0573	0.0104	ppm	4M55G7D	27H	17.58
17	5	706.5	713.5	0.0474	0.0092	ppm	4M56W7D	27H	16.76
17	10	709	711	0.0579	0.0062	ppm	9M05G7D	27H	17.63
17	10	709	711	0.0504	0.0066	ppm	9M03W7D	27H	17.02