

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B17\_5MHz\_ERP

### 1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	706.5	1	0	22.60	-1.42	19.03	<=34.77	Pass		
			13	22.77	-1.42	19.20	<=34.77	Pass		
			24	22.70	-1.42	19.13	<=34.77	Pass		
		12	0	21.31	-1.42	17.74	<=34.77	Pass		
			6	21.20	-1.42	17.63	<=34.77	Pass		
			13	21.21	-1.42	17.64	<=34.77	Pass		
		25	0	21.16	-1.42	17.59	<=34.77	Pass		
		710	1	0	22.17	-1.42	18.60	<=34.77	Pass	
				13	22.36	-1.42	18.79	<=34.77	Pass	
	24			22.23	-1.42	18.66	<=34.77	Pass		
	12		0	21.22	-1.42	17.65	<=34.77	Pass		
			6	21.29	-1.42	17.72	<=34.77	Pass		
			13	21.22	-1.42	17.65	<=34.77	Pass		
	25		0	21.21	-1.42	17.64	<=34.77	Pass		
	713.5		1	0	22.22	-1.42	18.65	<=34.77	Pass	
				13	22.41	-1.42	18.84	<=34.77	Pass	
		24		22.44	-1.42	18.87	<=34.77	Pass		
		12	0	21.31	-1.42	17.74	<=34.77	Pass		
			6	21.32	-1.42	17.75	<=34.77	Pass		
			13	21.27	-1.42	17.70	<=34.77	Pass		
		25	0	21.30	-1.42	17.73	<=34.77	Pass		
		16QAM	706.5	1	0	20.89	-1.42	17.32	<=34.77	Pass
					13	21.01	-1.42	17.44	<=34.77	Pass
	24				21.02	-1.42	17.45	<=34.77	Pass	
12	0			20.07	-1.42	16.50	<=34.77	Pass		
	6			20.16	-1.42	16.59	<=34.77	Pass		
	13			20.19	-1.42	16.62	<=34.77	Pass		
25	0			20.12	-1.42	16.55	<=34.77	Pass		
710	1			0	21.19	-1.42	17.62	<=34.77	Pass	
				13	21.35	-1.42	17.78	<=34.77	Pass	
			24	21.24	-1.42	17.67	<=34.77	Pass		
	12		0	20.16	-1.42	16.59	<=34.77	Pass		
			6	20.26	-1.42	16.69	<=34.77	Pass		
			13	20.17	-1.42	16.60	<=34.77	Pass		
	25		0	20.18	-1.42	16.61	<=34.77	Pass		
	713.5		1	0	21.40	-1.42	17.83	<=34.77	Pass	
				13	21.48	-1.42	17.91	<=34.77	Pass	
24				21.40	-1.42	17.83	<=34.77	Pass		
12			0	20.35	-1.42	16.78	<=34.77	Pass		
			6	20.30	-1.42	16.73	<=34.77	Pass		
			13	20.22	-1.42	16.65	<=34.77	Pass		
25			0	20.22	-1.42	16.65	<=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 / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	709	1	0	22.71	-1.42	19.14	<=34.77	Pass		
			25	22.46	-1.42	18.89	<=34.77	Pass		
			49	22.43	-1.42	18.86	<=34.77	Pass		
		25	0	21.15	-1.42	17.58	<=34.77	Pass		
			13	21.23	-1.42	17.66	<=34.77	Pass		
			25	21.22	-1.42	17.65	<=34.77	Pass		
		50	0	21.17	-1.42	17.60	<=34.77	Pass		
		710	1	0	22.18	-1.42	18.61	<=34.77	Pass	
				25	22.42	-1.42	18.85	<=34.77	Pass	
	49			22.44	-1.42	18.87	<=34.77	Pass		
	25		0	21.25	-1.42	17.68	<=34.77	Pass		
			13	21.30	-1.42	17.73	<=34.77	Pass		
			25	21.22	-1.42	17.65	<=34.77	Pass		
	50		0	21.21	-1.42	17.64	<=34.77	Pass		
	711		1	0	22.18	-1.42	18.61	<=34.77	Pass	
				25	22.48	-1.42	18.91	<=34.77	Pass	
		49		22.59	-1.42	19.02	<=34.77	Pass		
		25	0	21.23	-1.42	17.66	<=34.77	Pass		
			13	21.33	-1.42	17.76	<=34.77	Pass		
			25	21.26	-1.42	17.69	<=34.77	Pass		
		50	0	21.24	-1.42	17.67	<=34.77	Pass		
		16QAM	709	1	0	21.06	-1.42	17.49	<=34.77	Pass
					25	21.38	-1.42	17.81	<=34.77	Pass
	49				21.27	-1.42	17.70	<=34.77	Pass	
25	0			20.17	-1.42	16.60	<=34.77	Pass		
	13			20.25	-1.42	16.68	<=34.77	Pass		
	25			20.23	-1.42	16.66	<=34.77	Pass		
50	0			20.14	-1.42	16.57	<=34.77	Pass		
710	1			0	21.25	-1.42	17.68	<=34.77	Pass	
				25	21.53	-1.42	17.96	<=34.77	Pass	
			49	21.40	-1.42	17.83	<=34.77	Pass		
	25		0	20.17	-1.42	16.60	<=34.77	Pass		
			13	20.26	-1.42	16.69	<=34.77	Pass		
			25	20.19	-1.42	16.62	<=34.77	Pass		
	50		0	20.15	-1.42	16.58	<=34.77	Pass		
	711		1	0	21.56	-1.42	17.99	<=34.77	Pass	
				25	21.91	-1.42	18.34	<=34.77	Pass	
49				21.69	-1.42	18.12	<=34.77	Pass		
25			0	20.25	-1.42	16.68	<=34.77	Pass		
			13	20.30	-1.42	16.73	<=34.77	Pass		
			25	20.23	-1.42	16.66	<=34.77	Pass		
50			0	20.20	-1.42	16.63	<=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	-1.774	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0035	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.204	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0026	-2.5 to 2.5	Pass
	50	3.85	-4.320	-0.0061	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-2.532	-0.0036	-2.5 to 2.5	Pass
					3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
					4.43	-3.419	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-3.562	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-2.160	-0.0030	-2.5 to 2.5	Pass
	50	3.85	-4.563	-0.0064	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-5.050	-0.0071	-2.5 to 2.5	Pass
					3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
					4.43	-4.005	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	2.489	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.035	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
30				3.85	-5.322	-0.0075	-2.5 to 2.5	Pass	
40				3.85	-2.775	-0.0039	-2.5 to 2.5	Pass	
50	3.85	1.745	0.0024	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	1.259	0.0018	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0055	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				0	3.85	1.674	0.0024	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0005	-2.5 to 2.5	Pass
	50	3.85	0.300	0.0004	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-4.778	-0.0067	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
					4.43	0.443	0.0006	-2.5 to 2.5	Pass

				-30	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-8.283	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-2.432	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0040	-2.5 to 2.5	Pass
				713.5	25	0	20	3.27	1.745
	3.85	-2.332	-0.0033					-2.5 to 2.5	Pass
	4.43	-3.777	-0.0053					-2.5 to 2.5	Pass
	-30	3.85	-6.437				-0.0090	-2.5 to 2.5	Pass
	-20	3.85	-4.177				-0.0059	-2.5 to 2.5	Pass
	-10	3.85	-2.518				-0.0035	-2.5 to 2.5	Pass
	0	3.85	-3.204				-0.0045	-2.5 to 2.5	Pass
	10	3.85	-1.817				-0.0025	-2.5 to 2.5	Pass
	30	3.85	-0.229				-0.0003	-2.5 to 2.5	Pass
	40	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass			
50	3.85	-5.593	-0.0078	-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	-1.488	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.817	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.875	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-2.532	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-2.661	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				710	50	0	20	3.27	-2.747
	3.85	-6.194	-0.0087					-2.5 to 2.5	Pass
	4.43	-4.678	-0.0066					-2.5 to 2.5	Pass
	-30	3.85	-4.535				-0.0064	-2.5 to 2.5	Pass
	-20	3.85	-2.046				-0.0029	-2.5 to 2.5	Pass
	-10	3.85	-1.874				-0.0026	-2.5 to 2.5	Pass
	0	3.85	-0.916				-0.0013	-2.5 to 2.5	Pass
	10	3.85	-3.419				-0.0048	-2.5 to 2.5	Pass
	30	3.85	-3.448				-0.0049	-2.5 to 2.5	Pass
	40	3.85	-4.005				-0.0056	-2.5 to 2.5	Pass
	50	3.85	-3.948				-0.0056	-2.5 to 2.5	Pass
	711	50	0				20	3.27	-3.777
				3.85	-1.888	-0.0027		-2.5 to 2.5	Pass
				4.43	-1.316	-0.0019		-2.5 to 2.5	Pass

				-30	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-2.804	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-1.287	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
					4.43	-3.362	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-3.490	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
	50	3.85	-2.718	-0.0038	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-3.033	-0.0043	-2.5 to 2.5	Pass
					3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
					4.43	-3.691	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.804	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
	50	3.85	-2.174	-0.0031	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-1.302	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.691	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
30				3.85	-0.100	-0.0001	-2.5 to 2.5	Pass	
40				3.85	-2.718	-0.0038	-2.5 to 2.5	Pass	
50	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass				

### 3. Modulation Characteristics

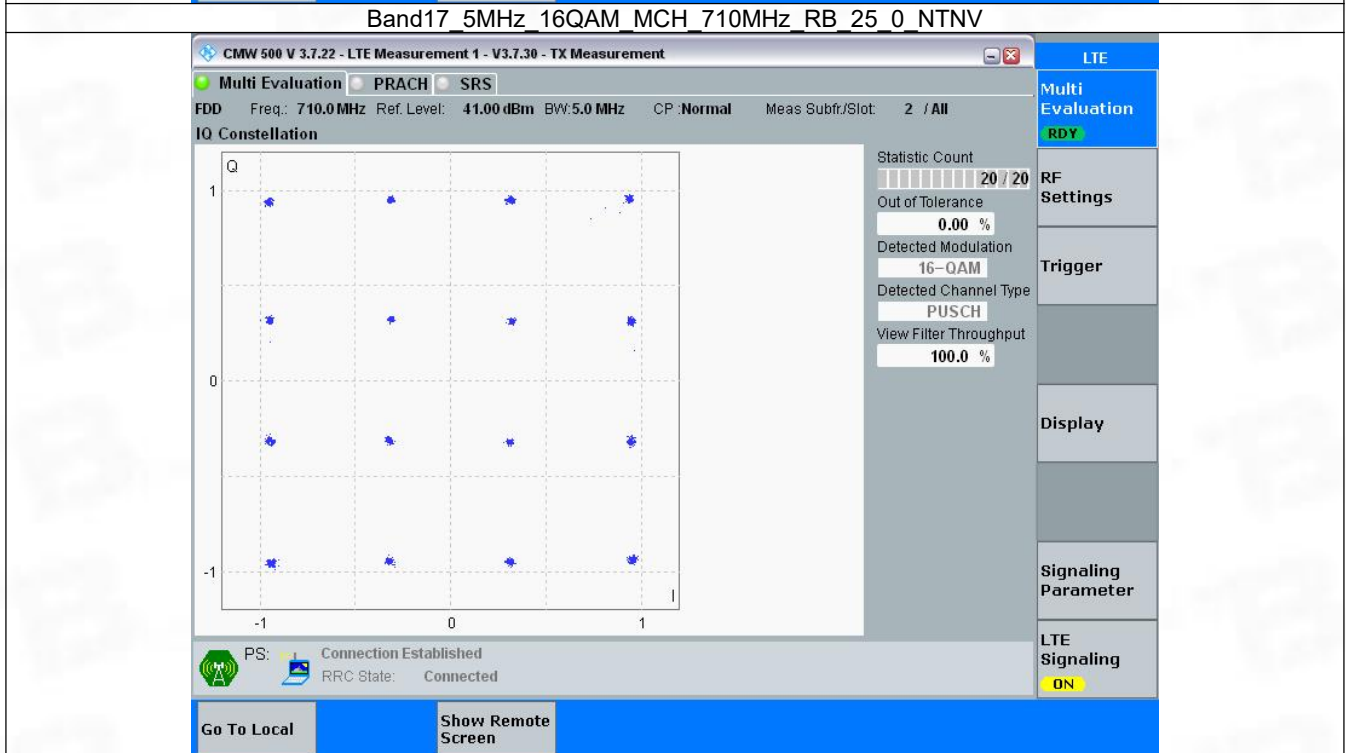
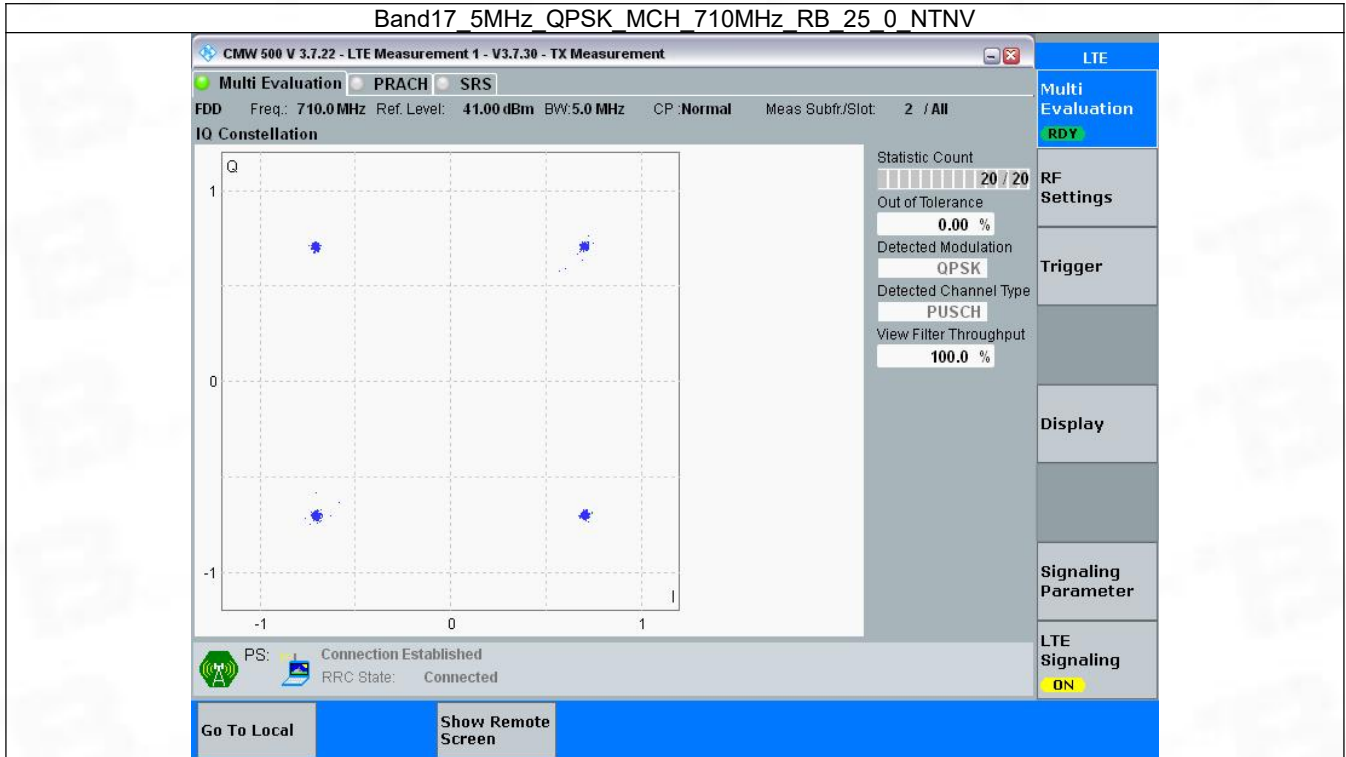
#### 3.1 B17\_5MHz

##### 3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTN						
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
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### 3.1.2 Test Graph



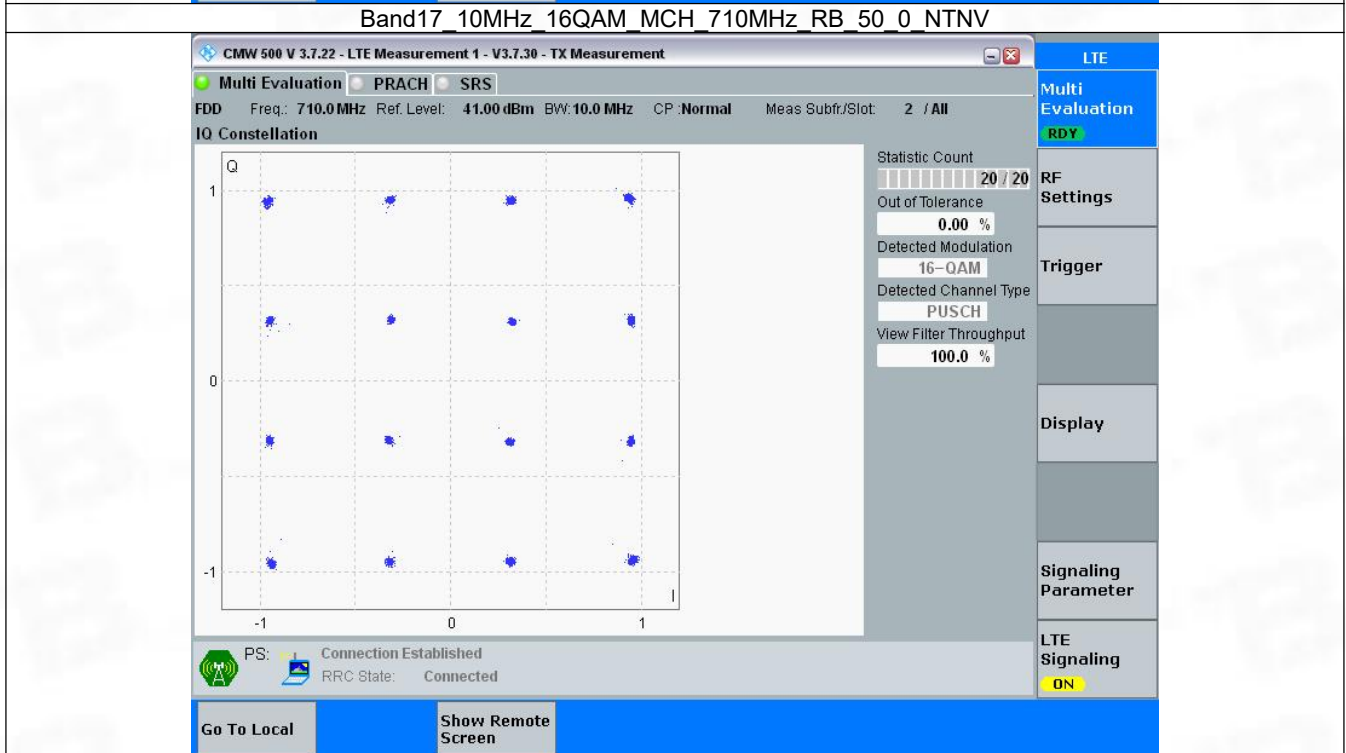
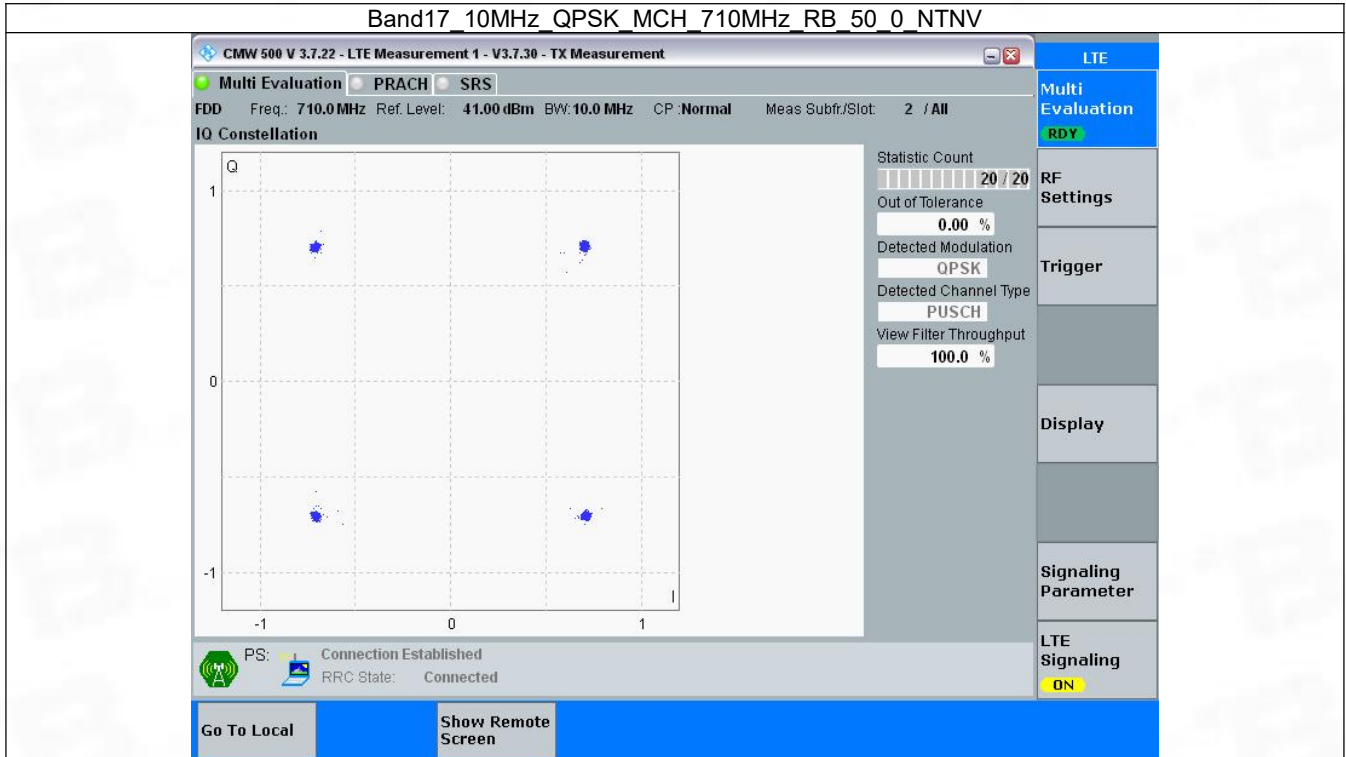
## 3.2 B17\_10MHz

### 3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTN						
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



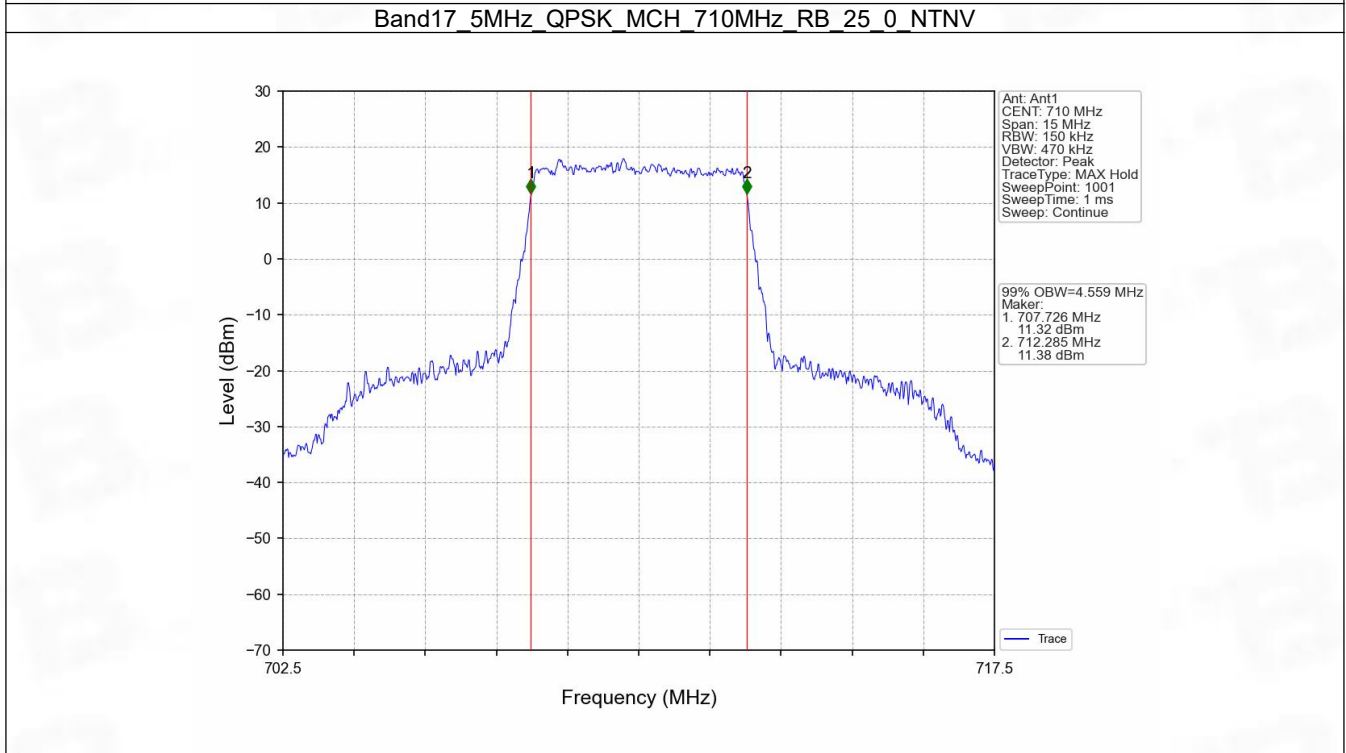
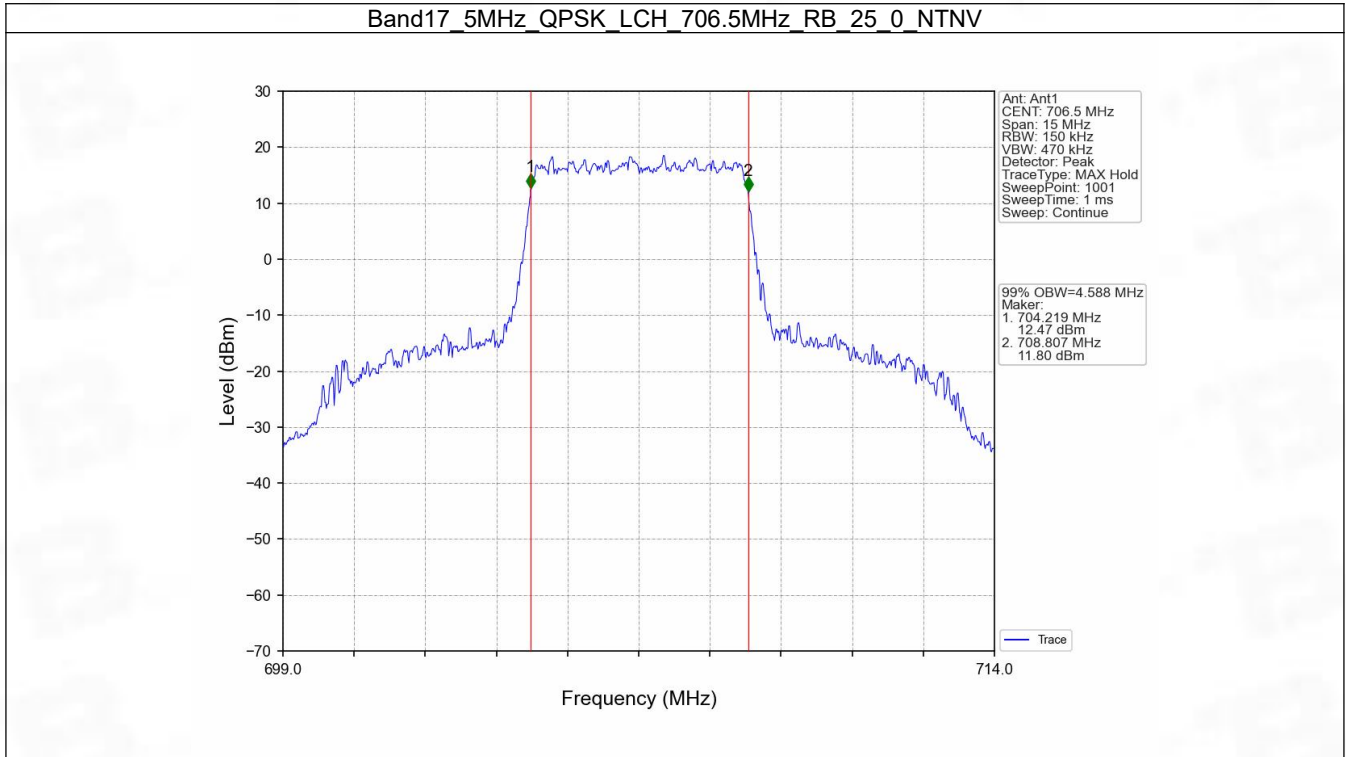
## 4. 99% & 26dB Bandwidth

### 4.1 Band17\_OBW

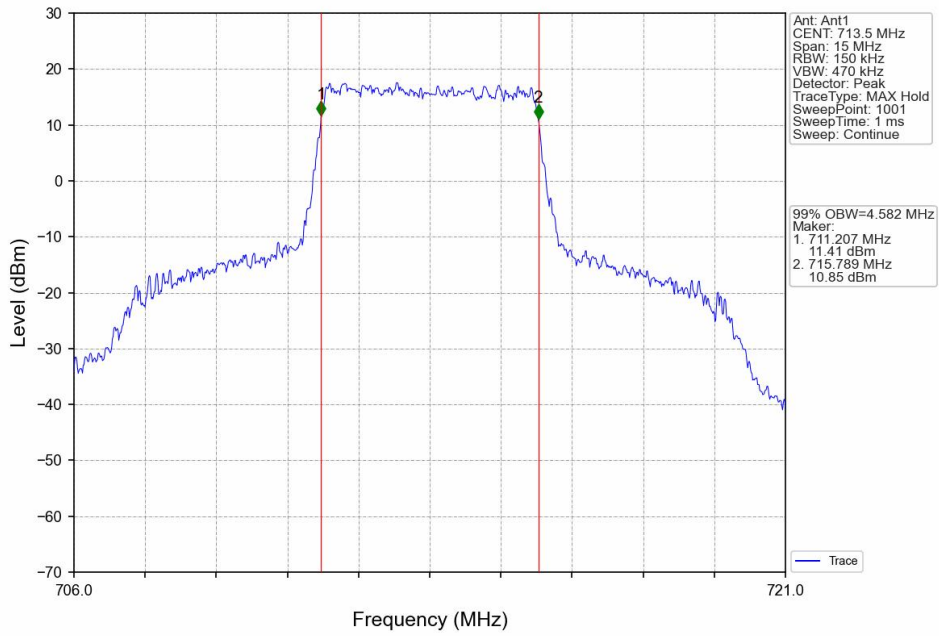
#### 4.1.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.588	Pass
		710	25	0	4.559	Pass
		713.5	25	0	4.582	Pass
	16QAM	706.5	25	0	4.565	Pass
		710	25	0	4.579	Pass
		713.5	25	0	4.598	Pass
10	QPSK	709	50	0	9.072	Pass
		710	50	0	9.072	Pass
		711	50	0	9.090	Pass
	16QAM	709	50	0	9.042	Pass
		710	50	0	9.077	Pass
		711	50	0	9.061	Pass

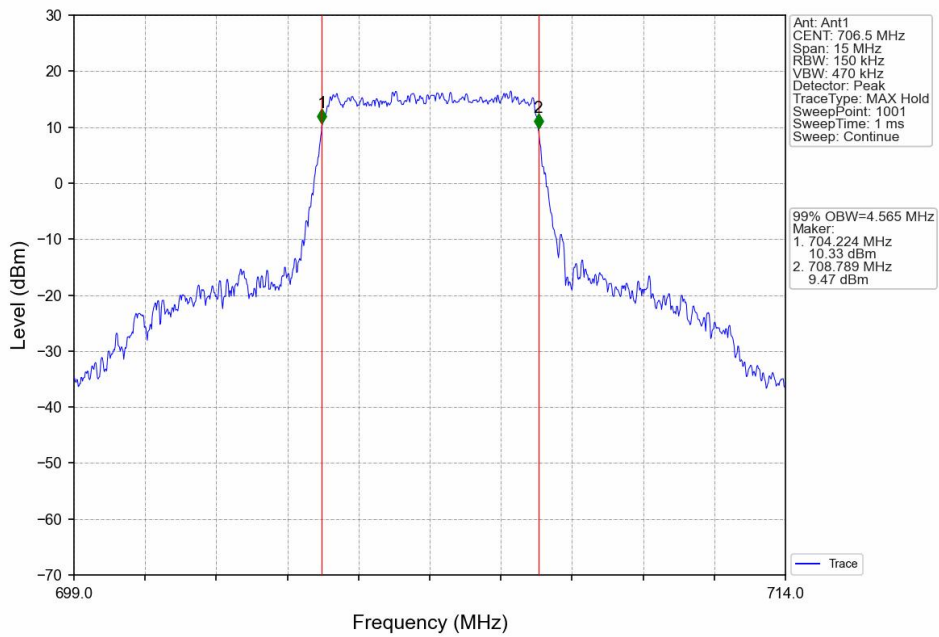
### 4.1.2 Test Graph



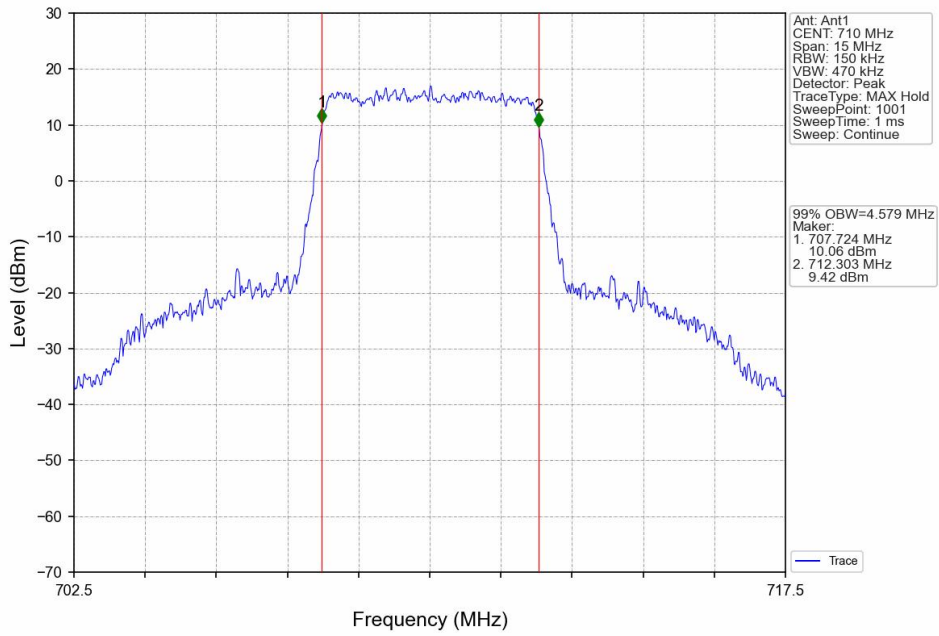
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



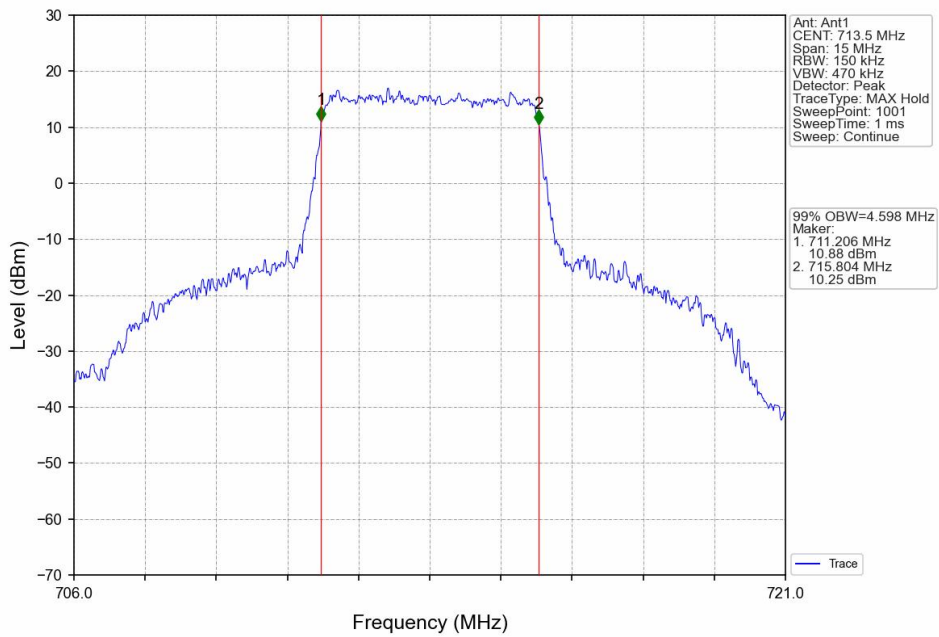
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



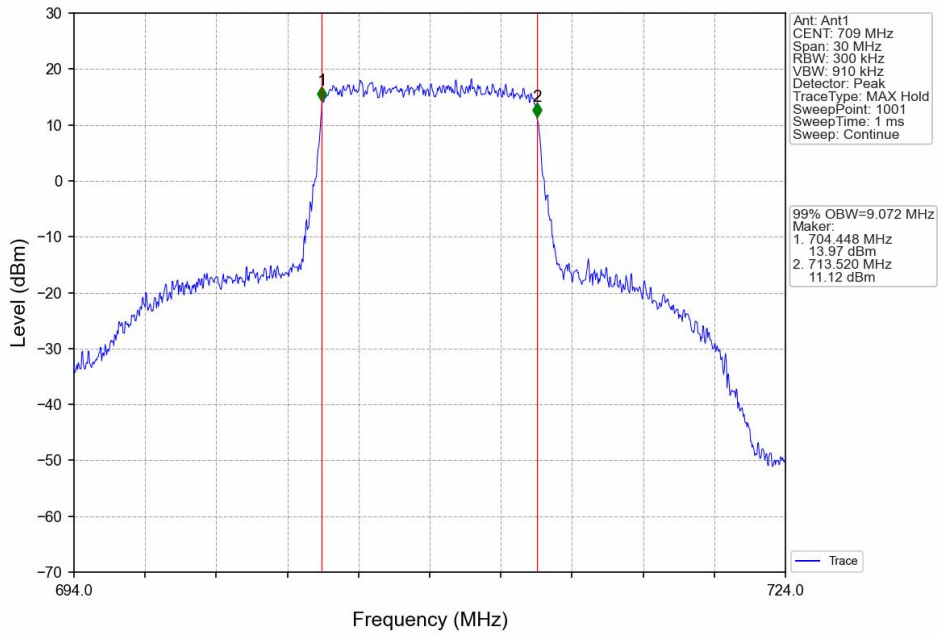
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



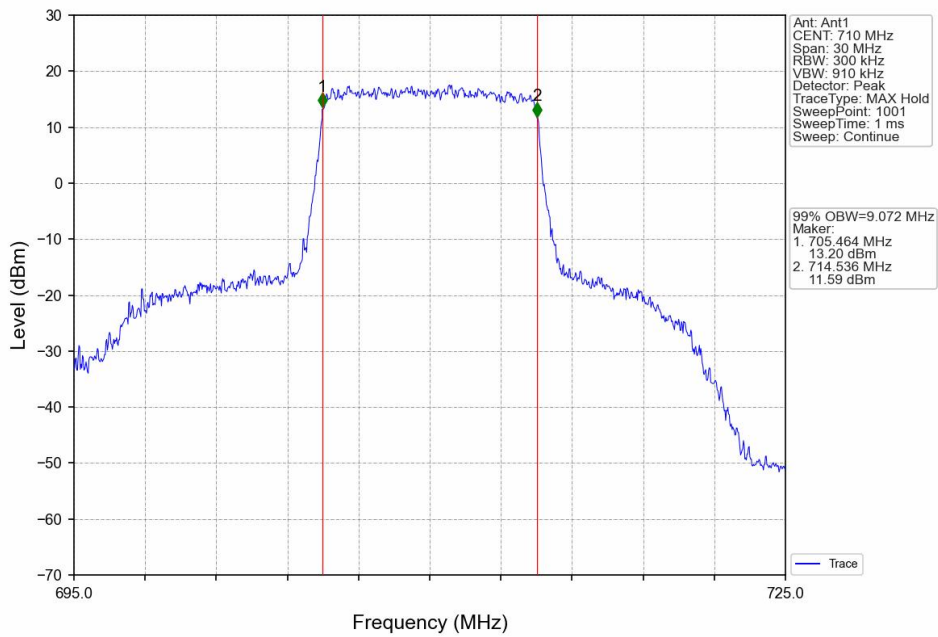
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



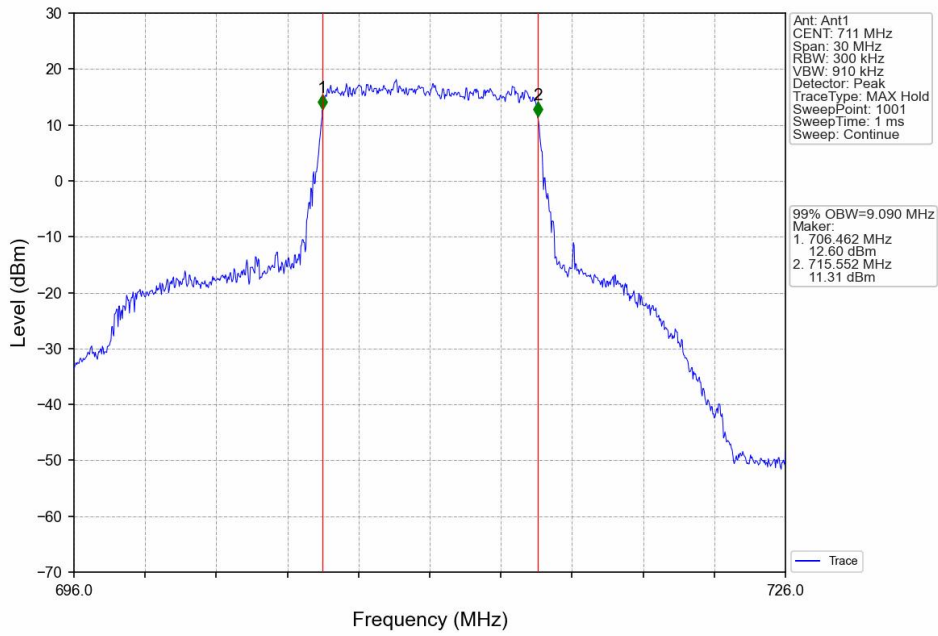
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



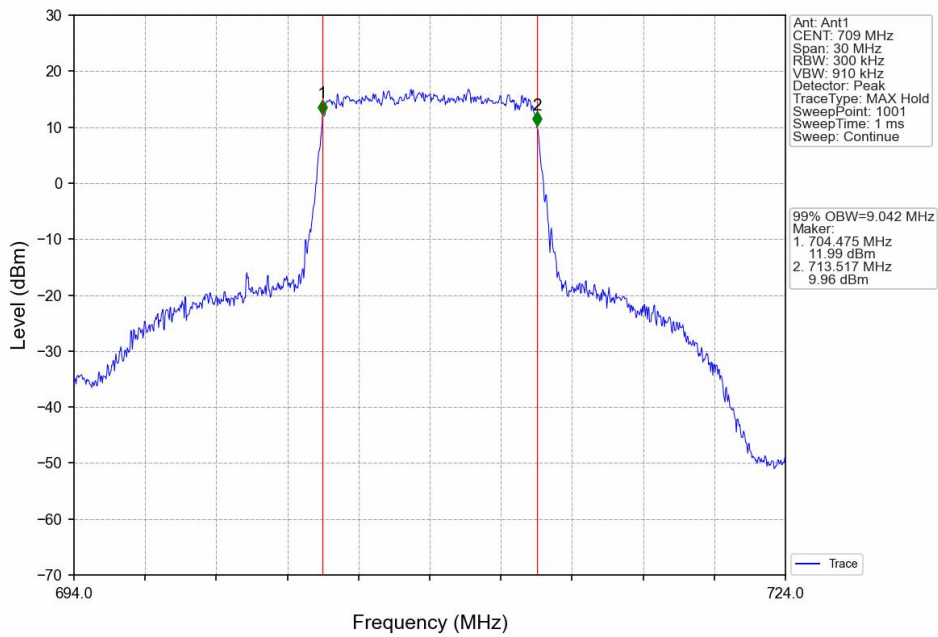
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



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

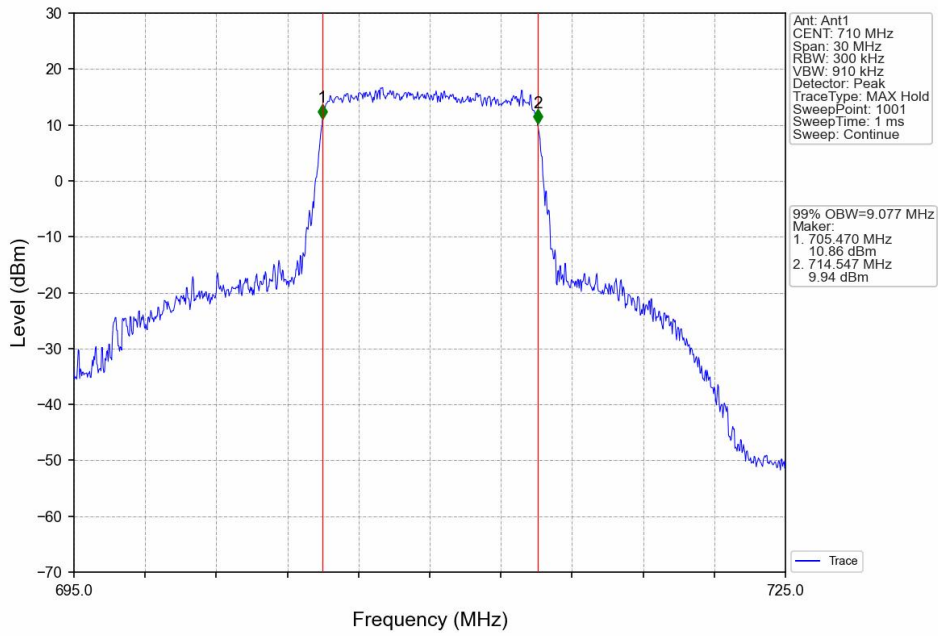


Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV

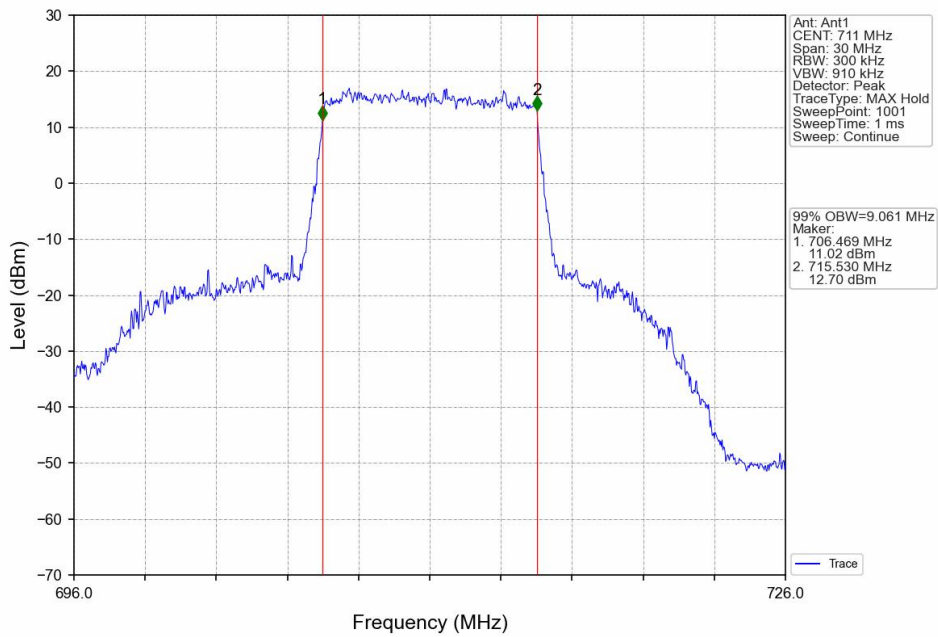




Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



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



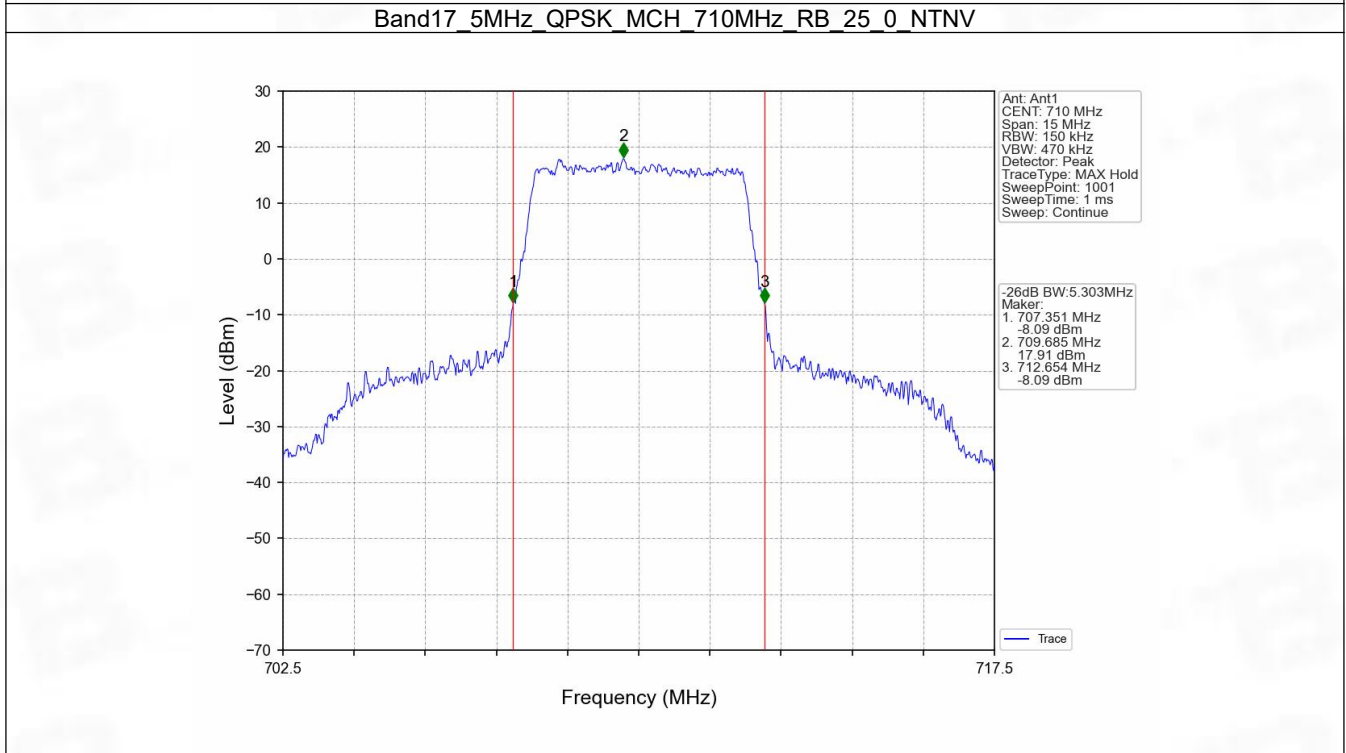
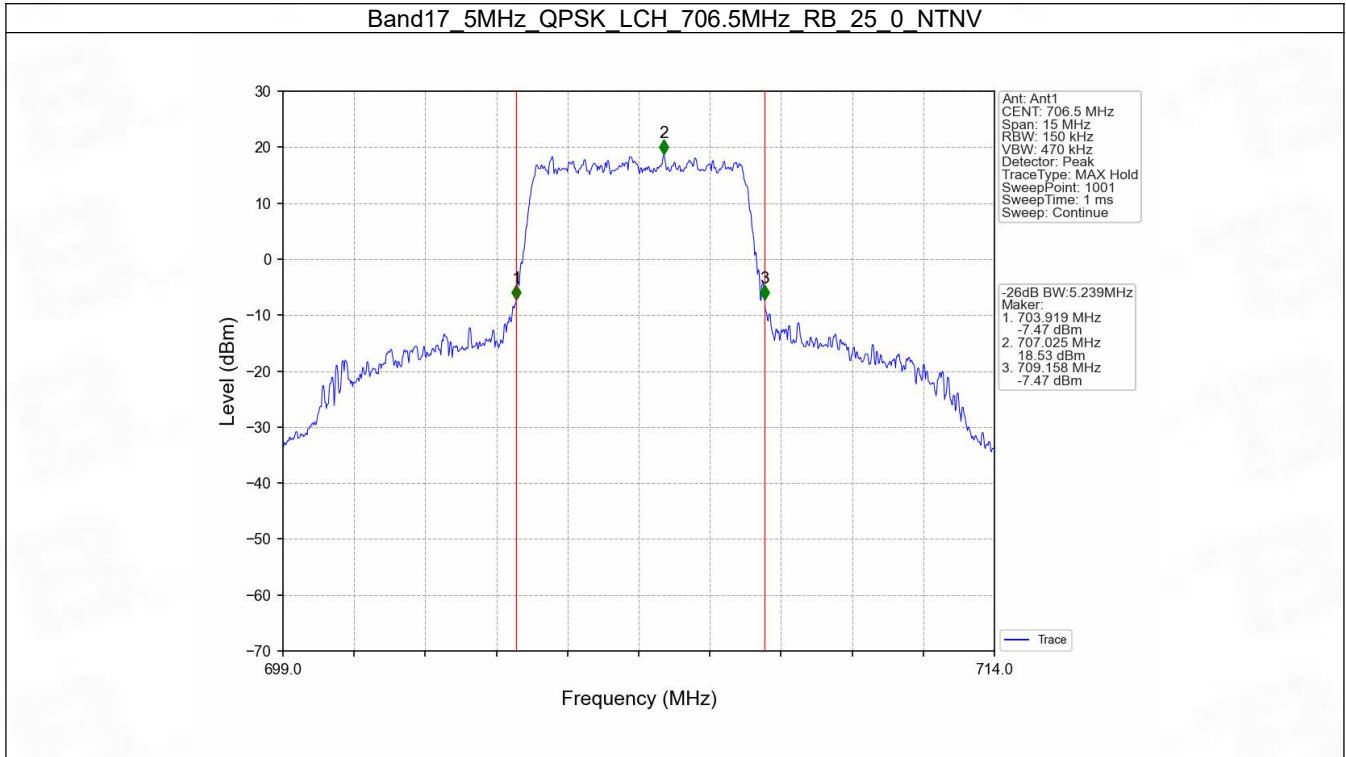


## 4.2 Band17\_XDB

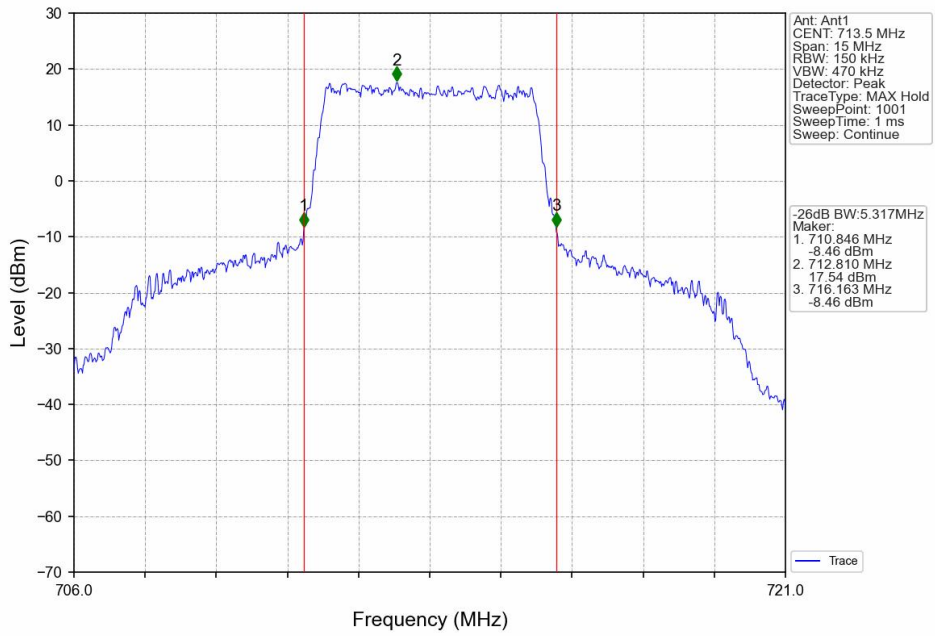
### 4.2.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	5.239	Pass
		710	25	0	5.303	Pass
		713.5	25	0	5.317	Pass
	16QAM	706.5	25	0	5.418	Pass
		710	25	0	5.273	Pass
		713.5	25	0	5.293	Pass
10	QPSK	709	50	0	10.362	Pass
		710	50	0	10.282	Pass
		711	50	0	10.427	Pass
	16QAM	709	50	0	10.232	Pass
		710	50	0	10.296	Pass
		711	50	0	10.217	Pass

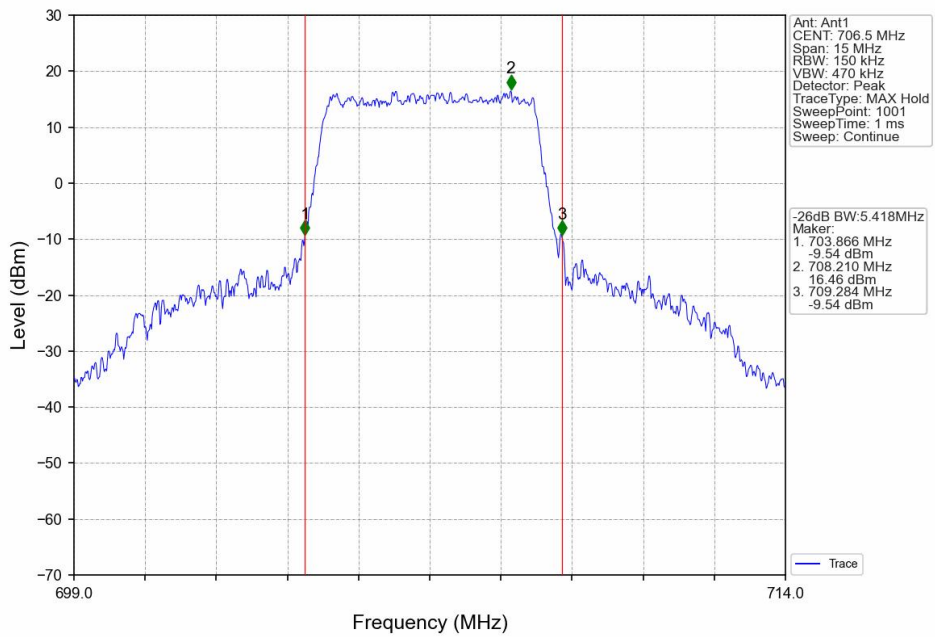
### 4.2.2 Test Graph



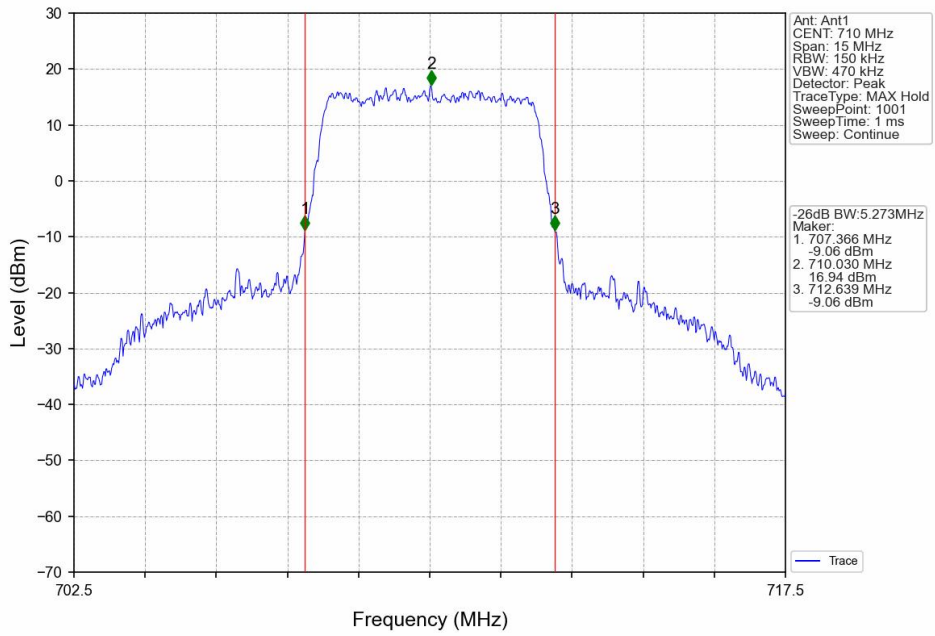
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



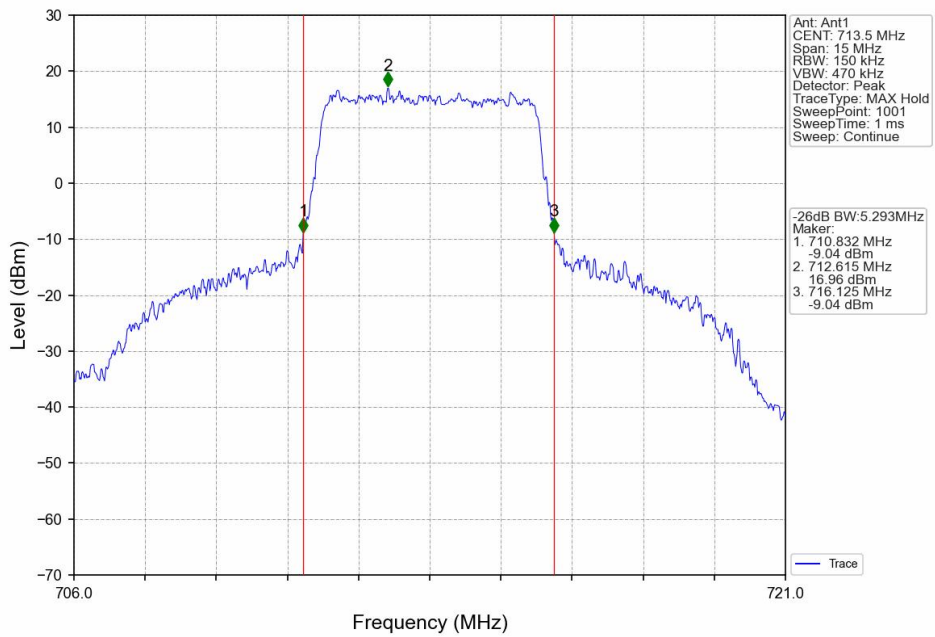
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



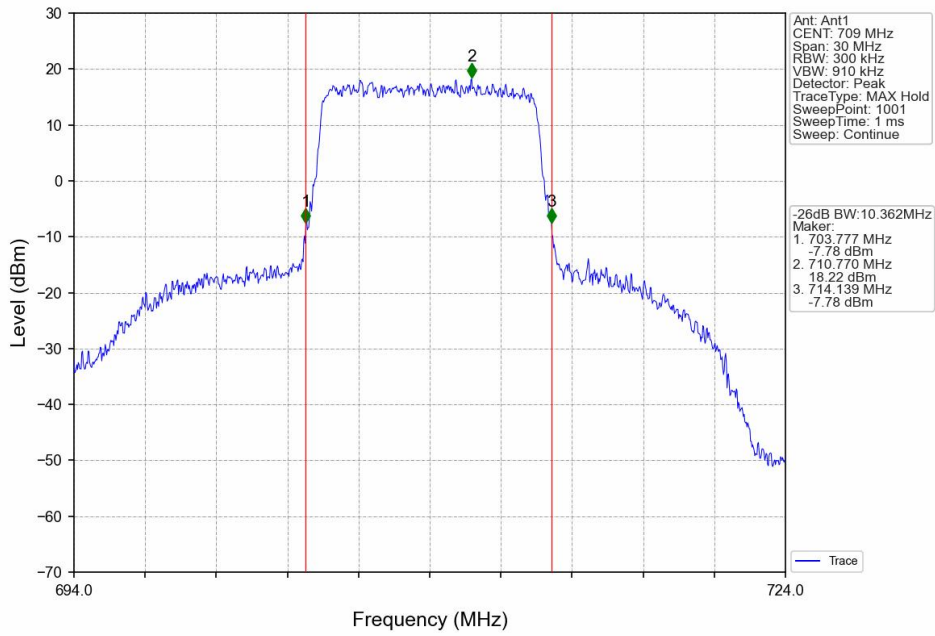
Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



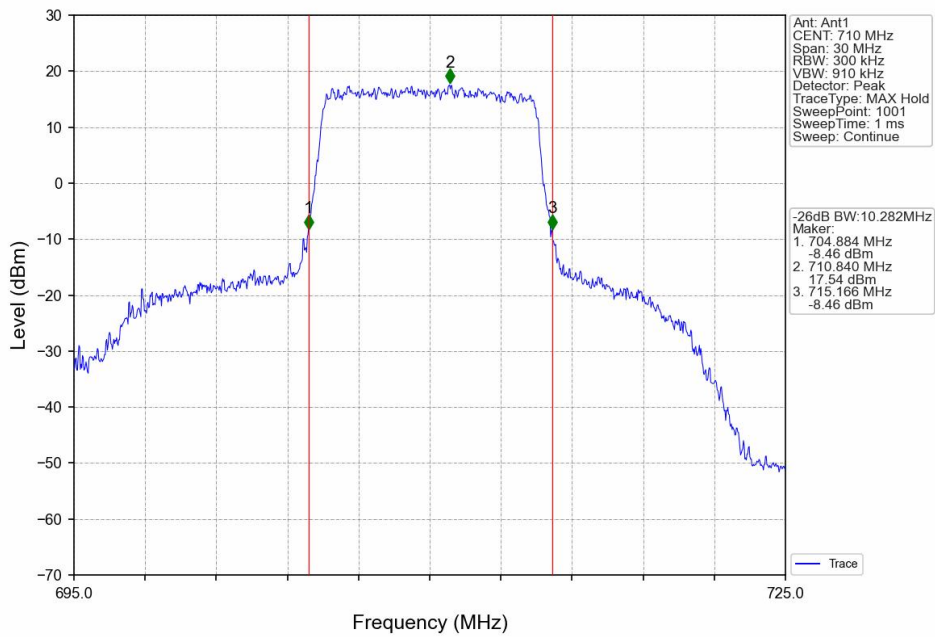
Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



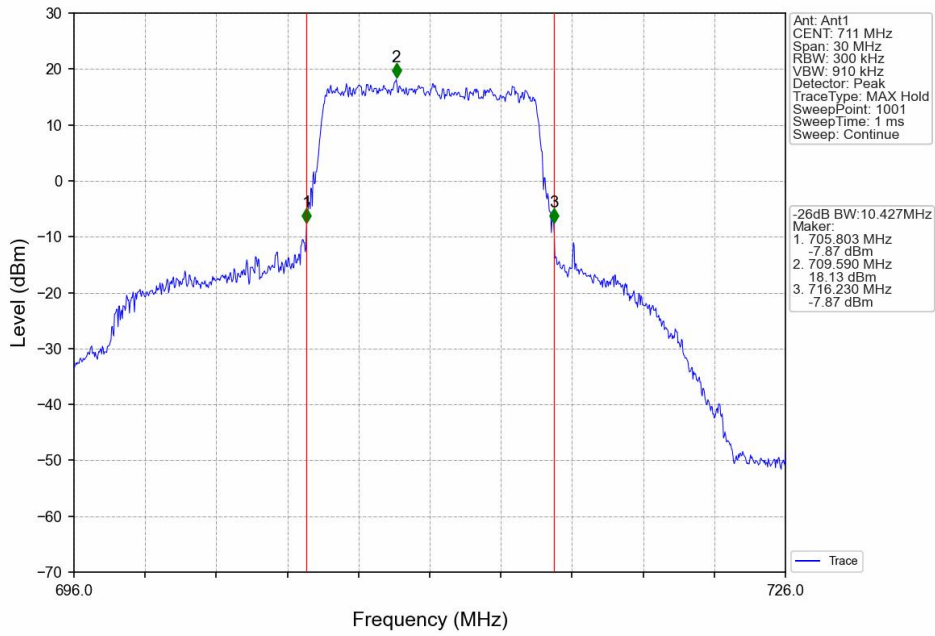
Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



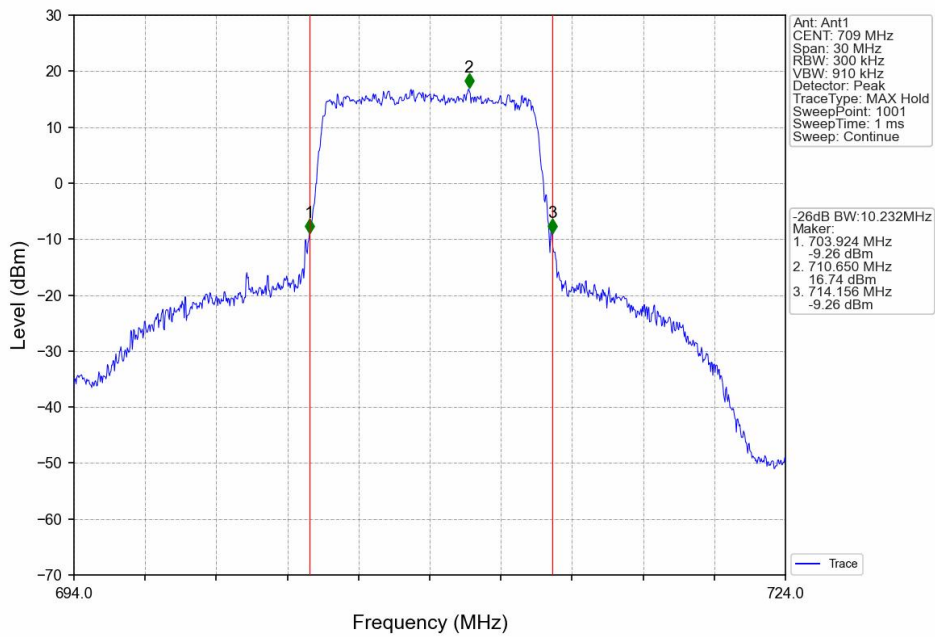
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



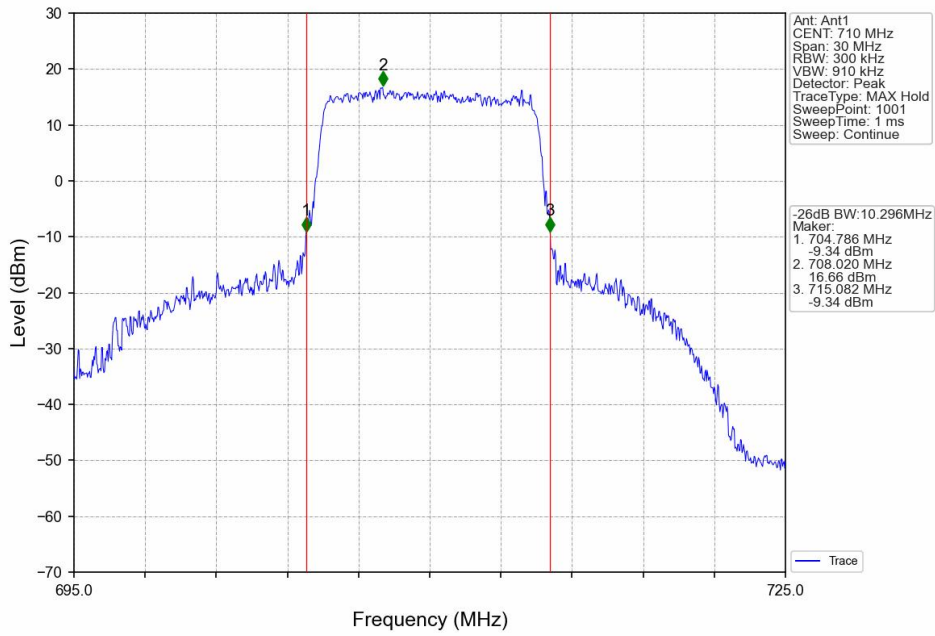
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



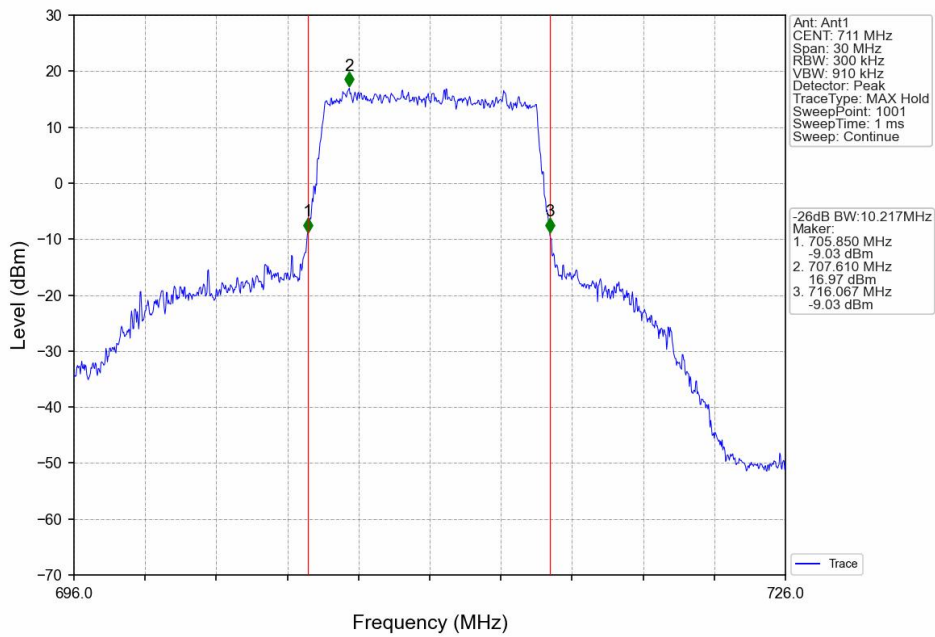
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



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



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



## 5. Peak-Average Ratio

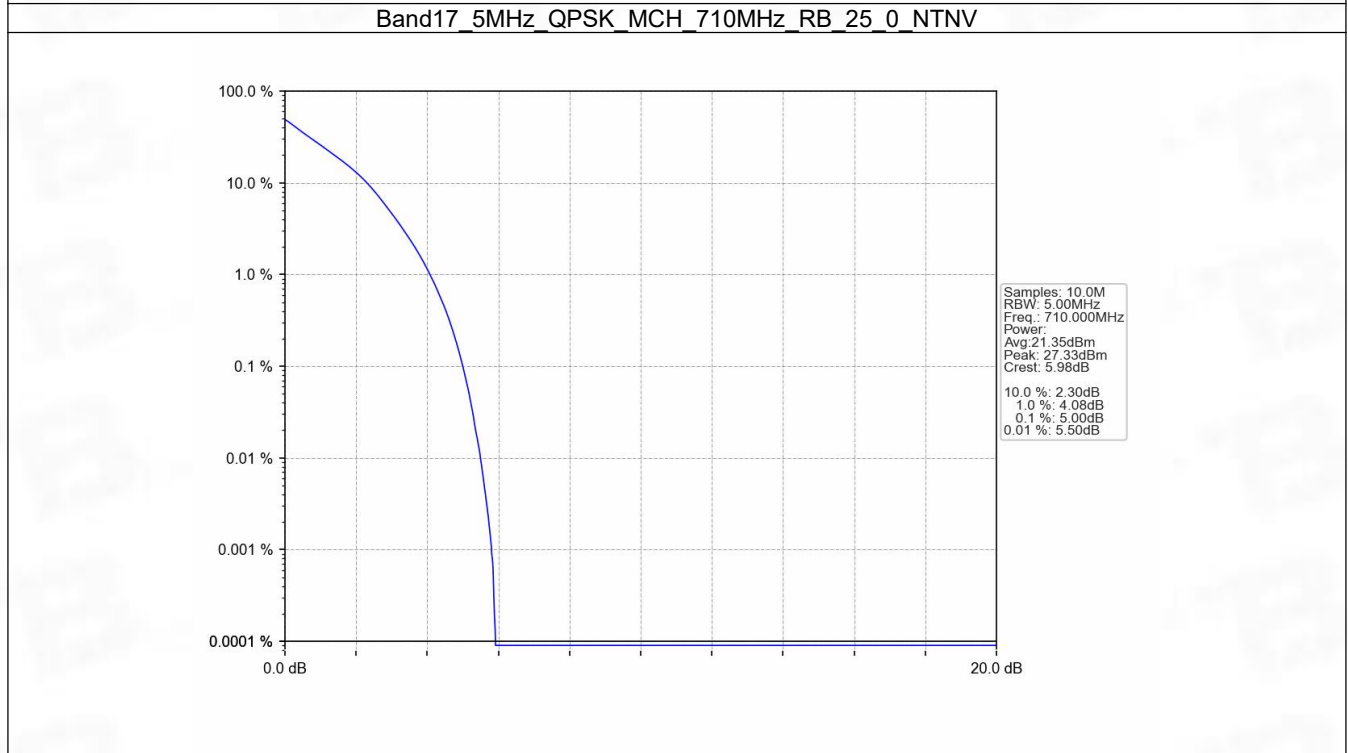
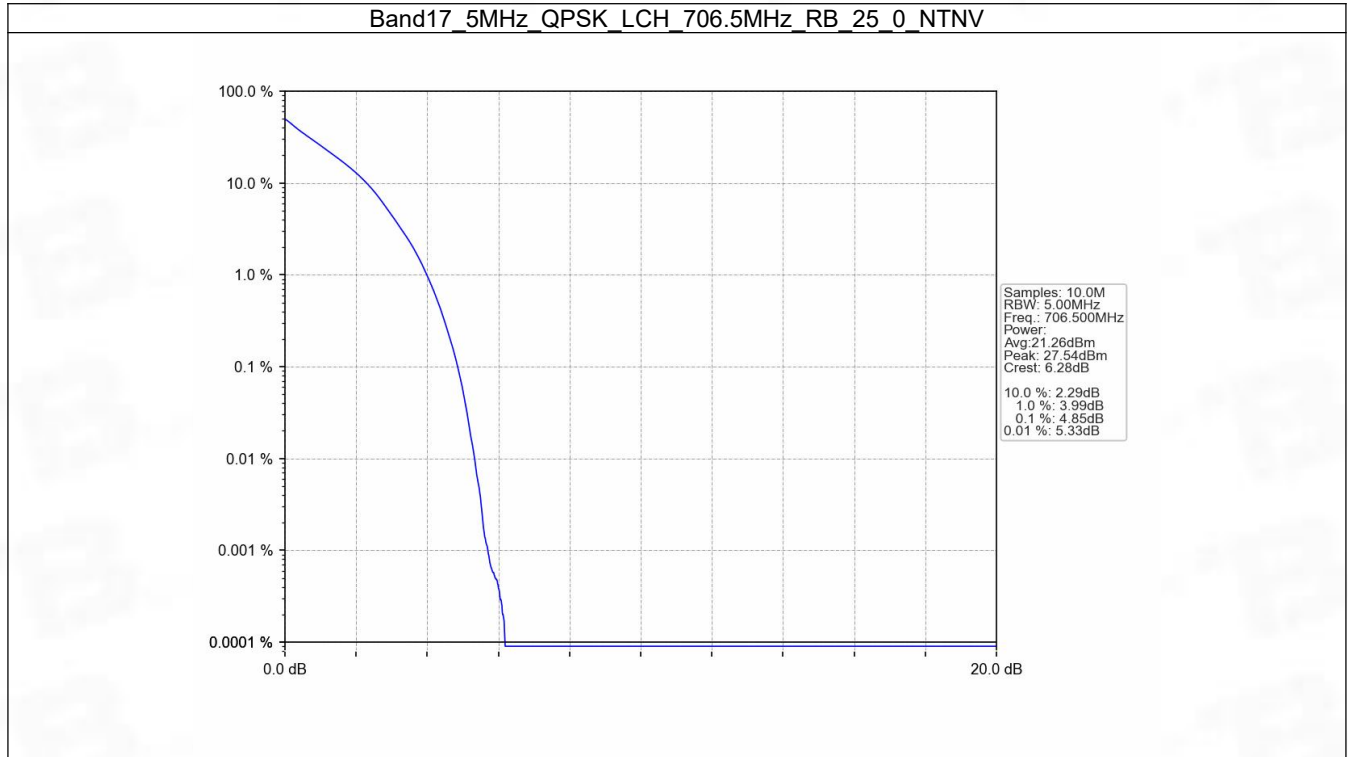
### 5.1 B17\_5MHz

#### 5.1.1 Test Result

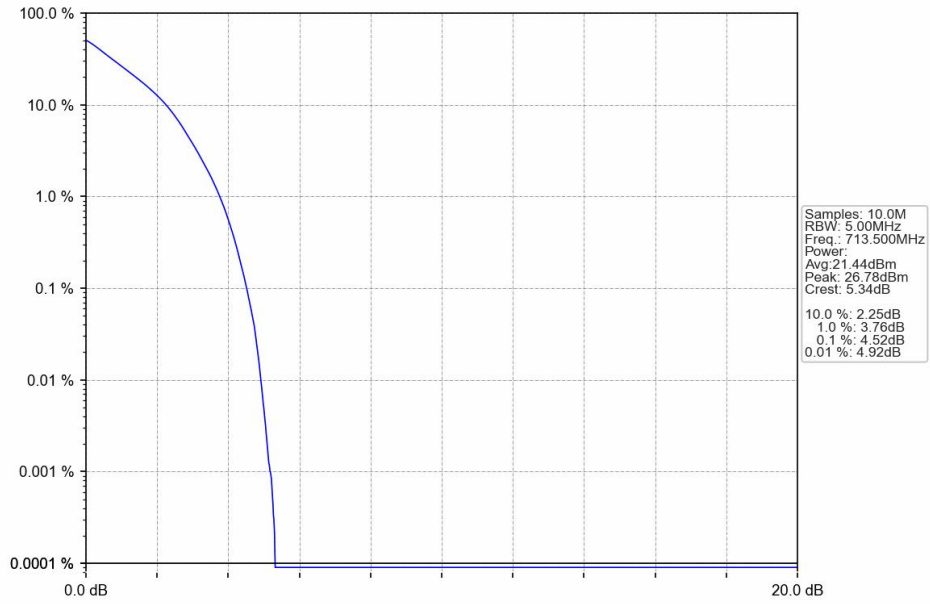
Band: 17 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	4.85	<=13	Pass
	710	25	0	5.00	<=13	Pass
	713.5	25	0	4.52	<=13	Pass
16QAM	706.5	25	0	5.57	<=13	Pass
	710	25	0	5.72	<=13	Pass
	713.5	25	0	5.32	<=13	Pass



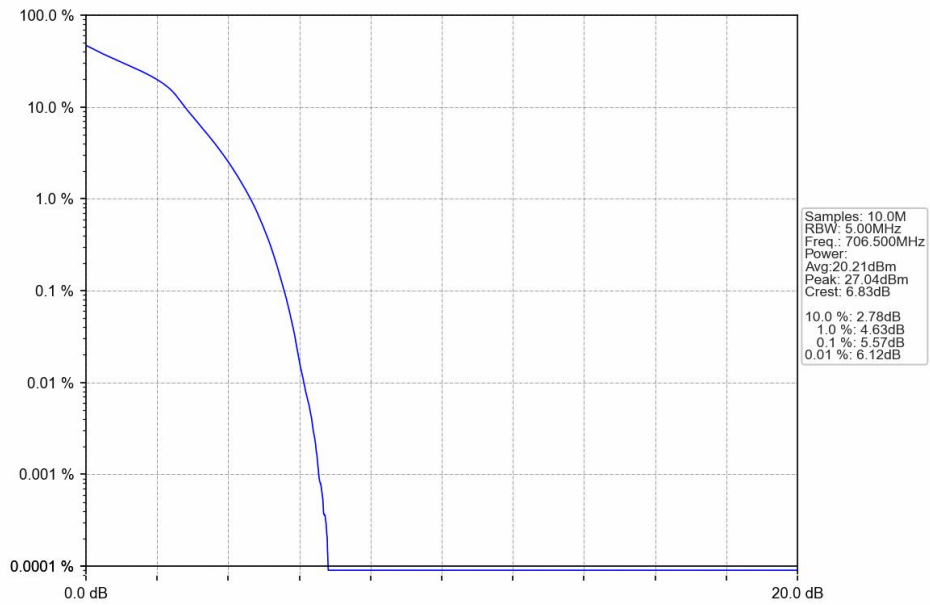
### 5.1.2 Test Graph



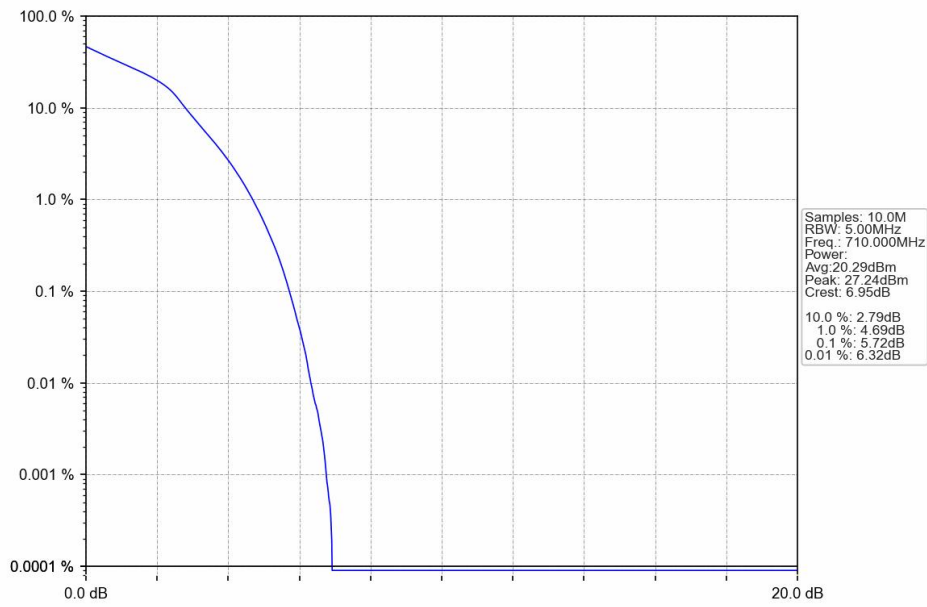
Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



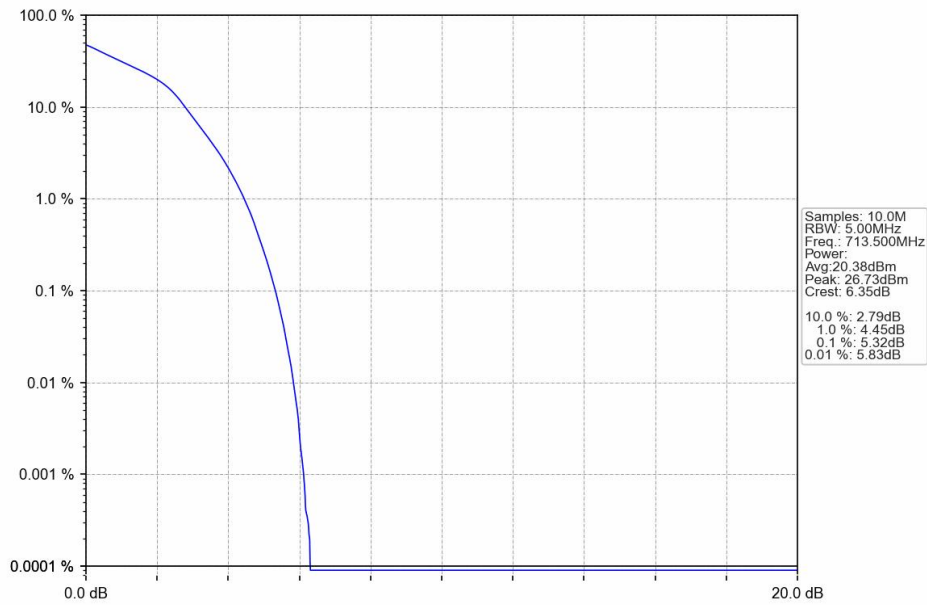
Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV



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



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

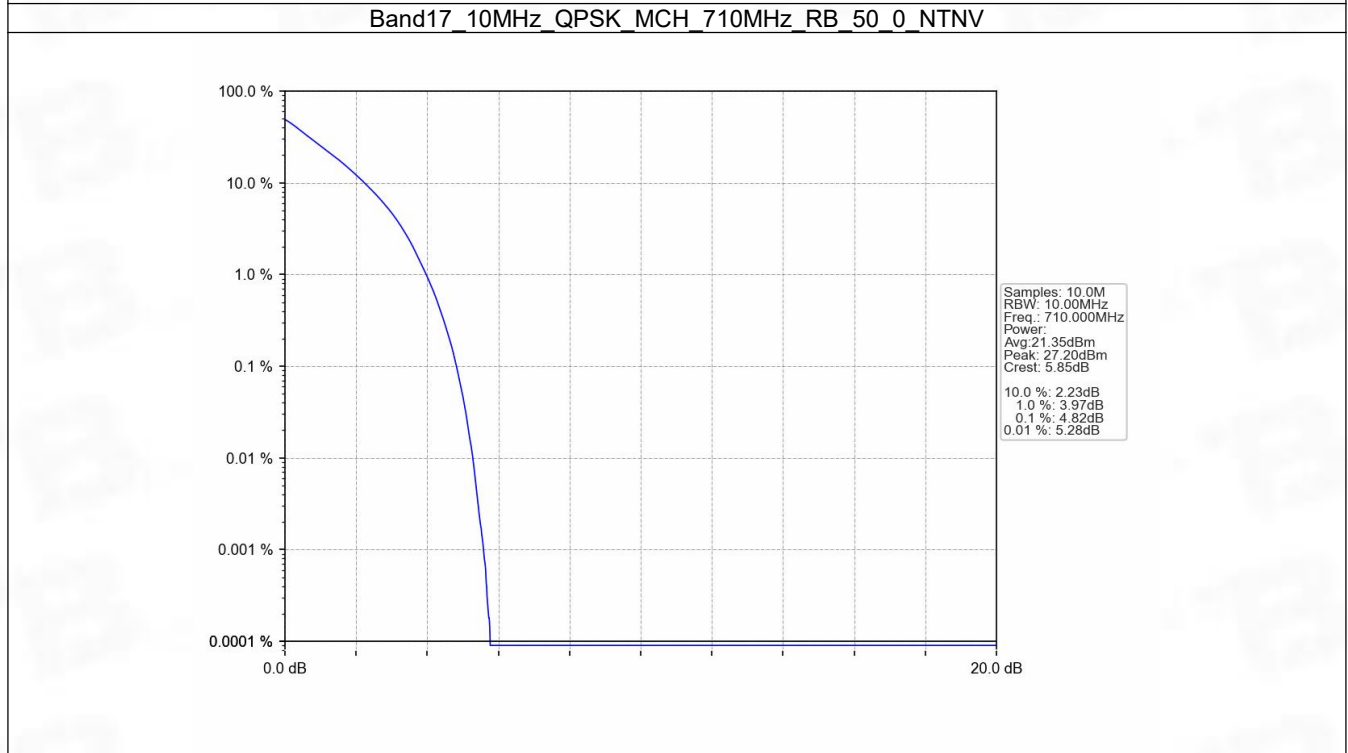
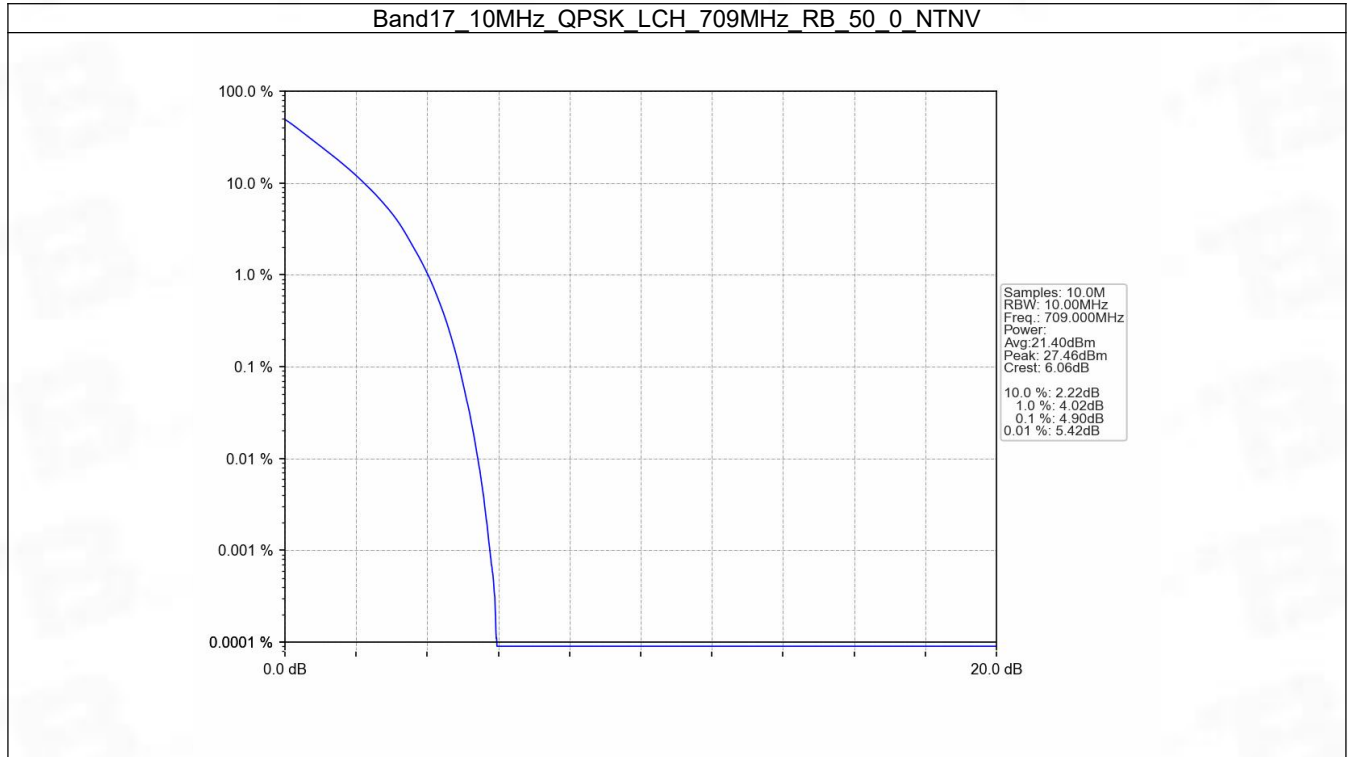


## 5.2 B17\_10MHz

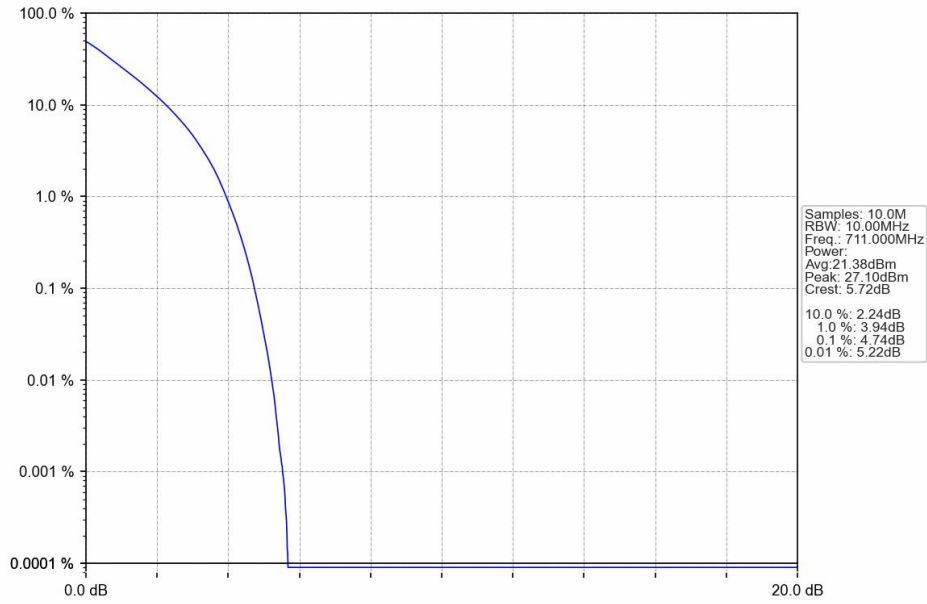
### 5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.90	<=13	Pass
	710	50	0	4.82	<=13	Pass
	711	50	0	4.74	<=13	Pass
16QAM	709	50	0	5.70	<=13	Pass
	710	50	0	5.66	<=13	Pass
	711	50	0	5.55	<=13	Pass

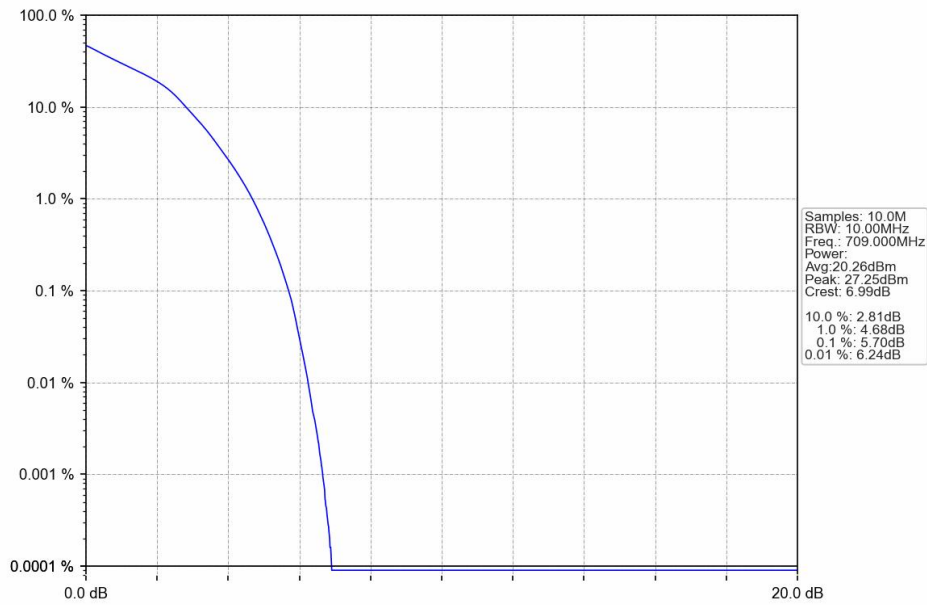
## 5.2.2 Test Graph



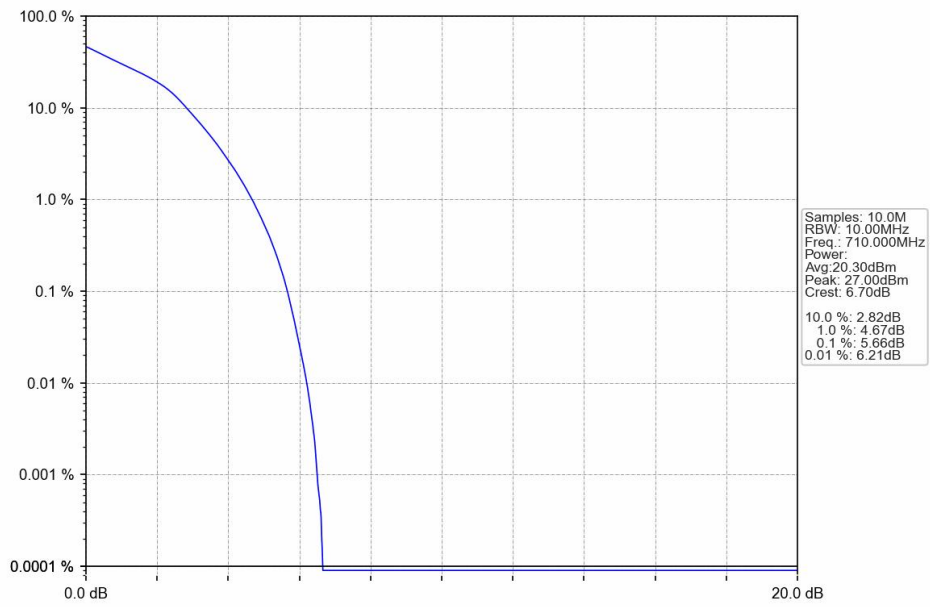
Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



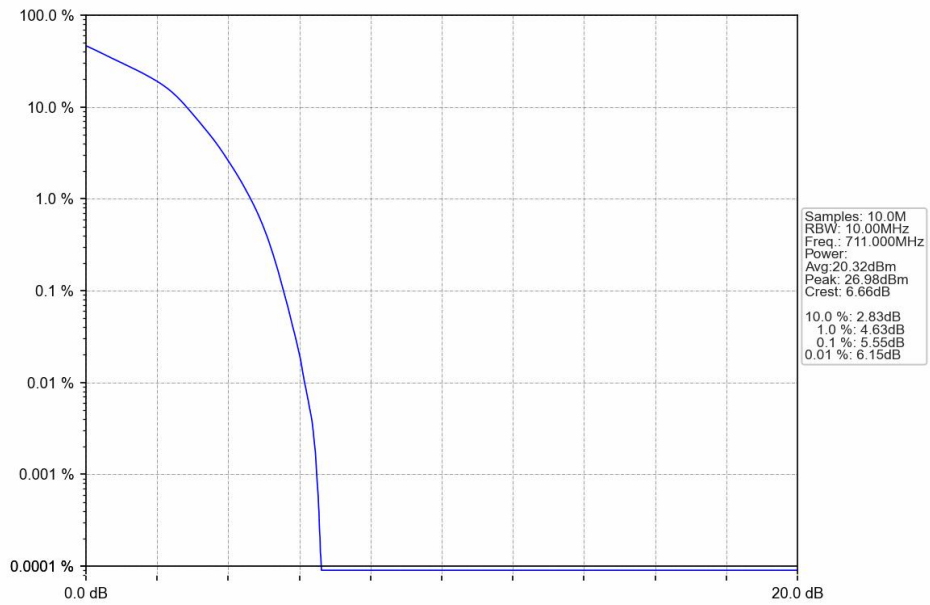
Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV



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



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



## 6. Spurious Emission

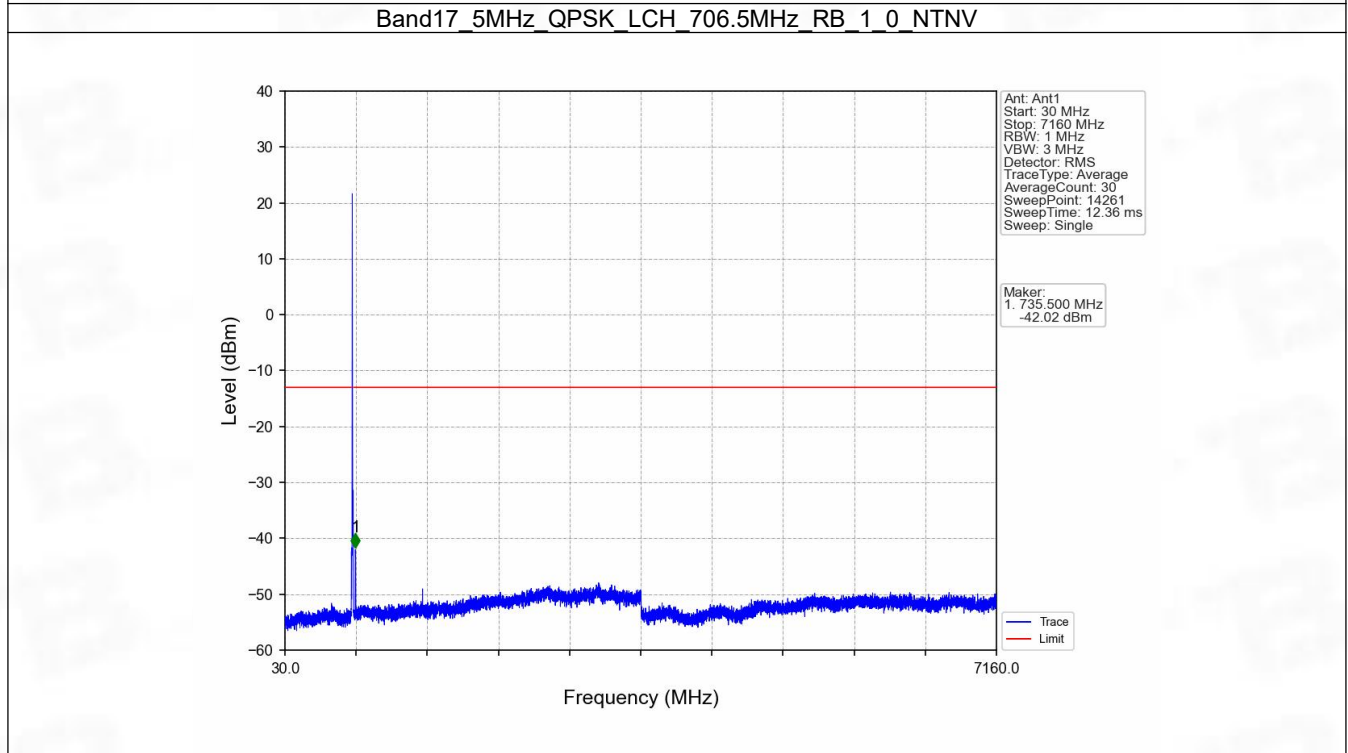
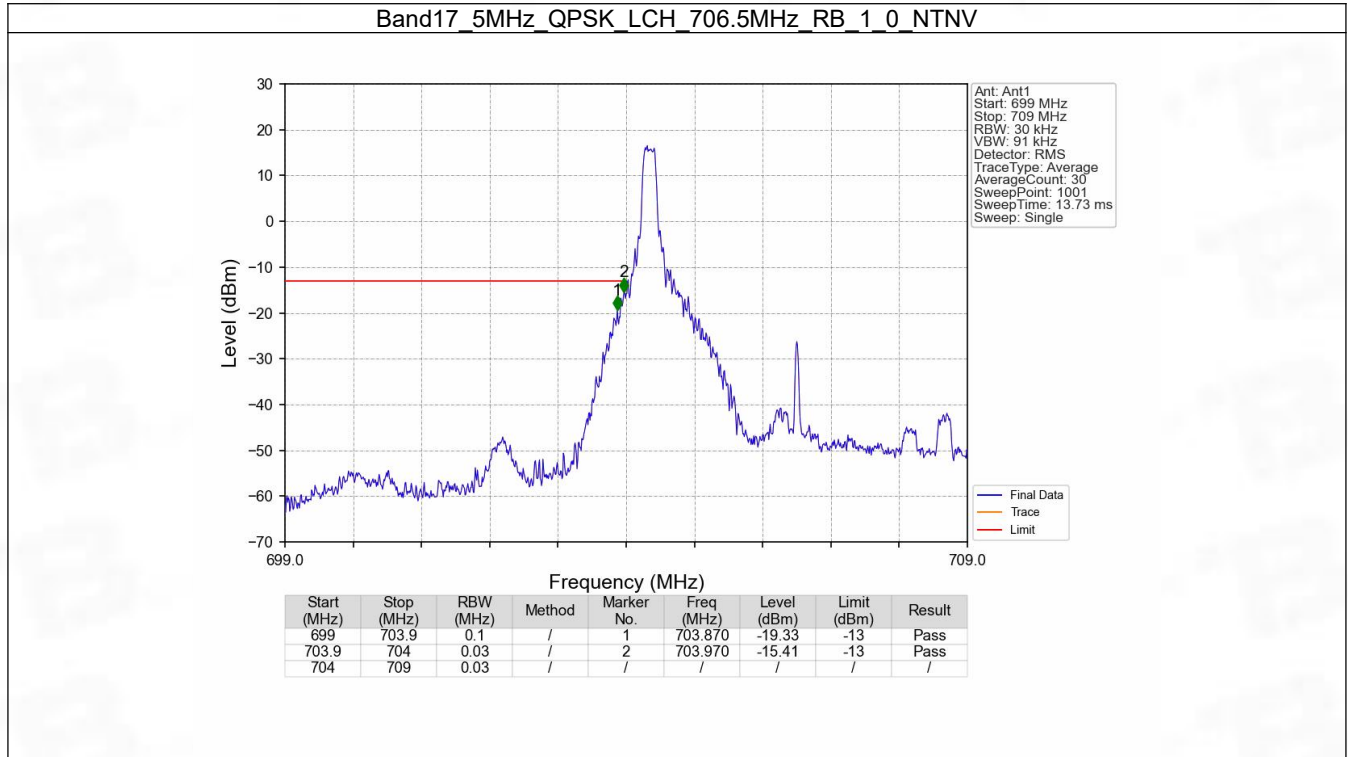
### 6.1 B17\_5MHz

#### 6.1.1 Test Result

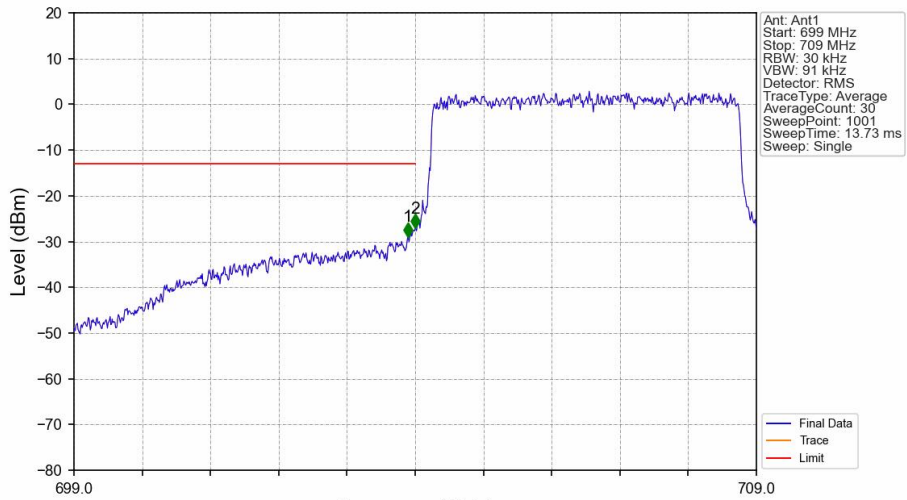
Band: 17 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	713.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	713.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



### 6.1.2 Test Graph

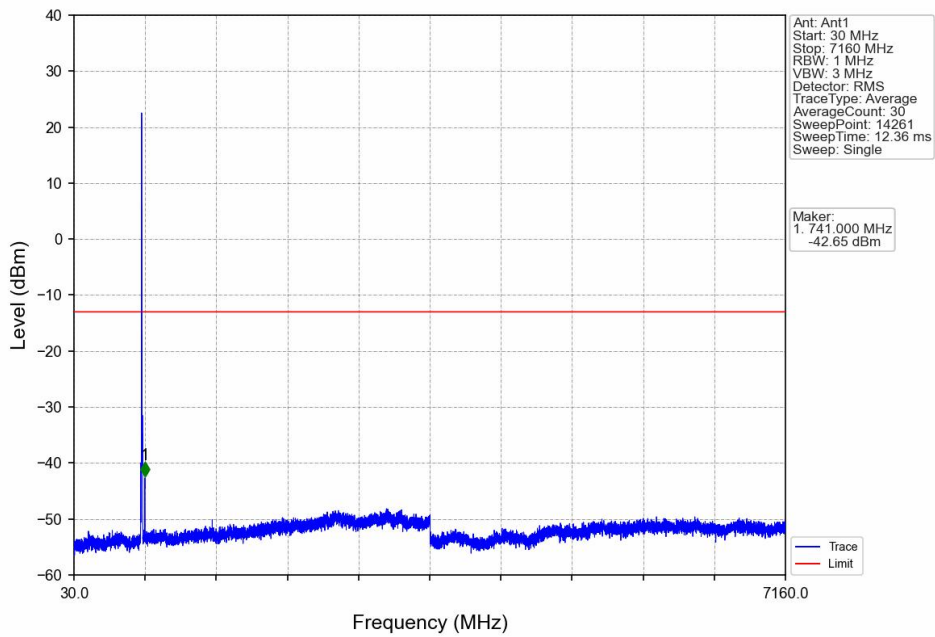


Band17\_5MHz\_QPSK\_LCH\_706.5MHz\_RB\_25\_0\_NTNV

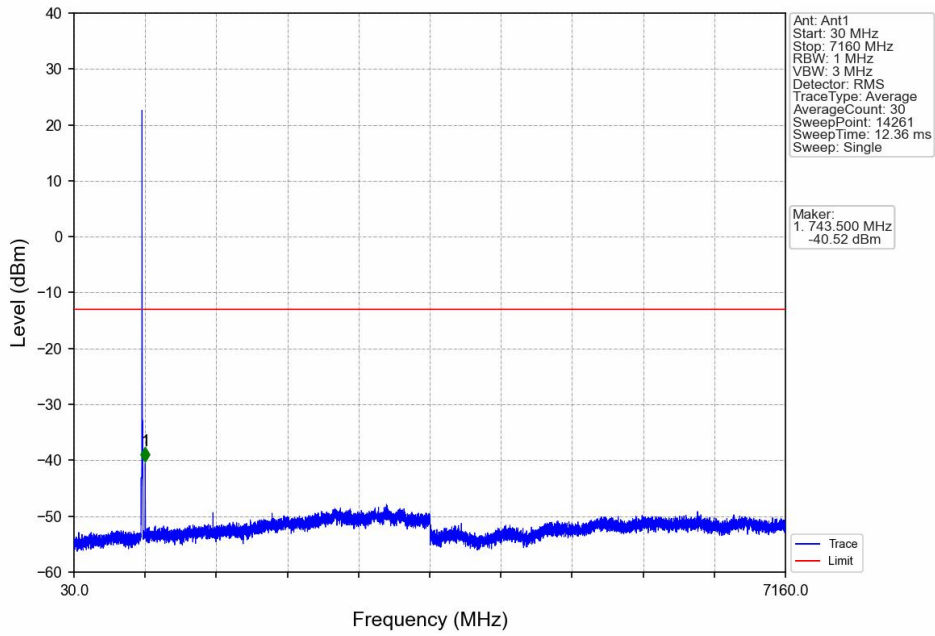


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.890	-28.95	-13	Pass
703.9	704	0.03	/	2	704.000	-27.14	-13	Pass
704	709	0.03	/	/	/	/	/	/

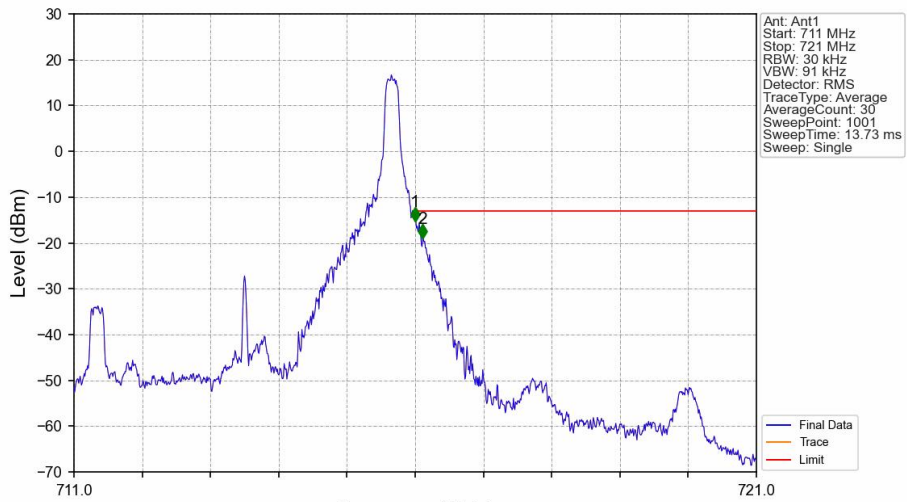
Band17\_5MHz\_QPSK\_MCH\_710MHz\_RB\_1\_0\_NTNV



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

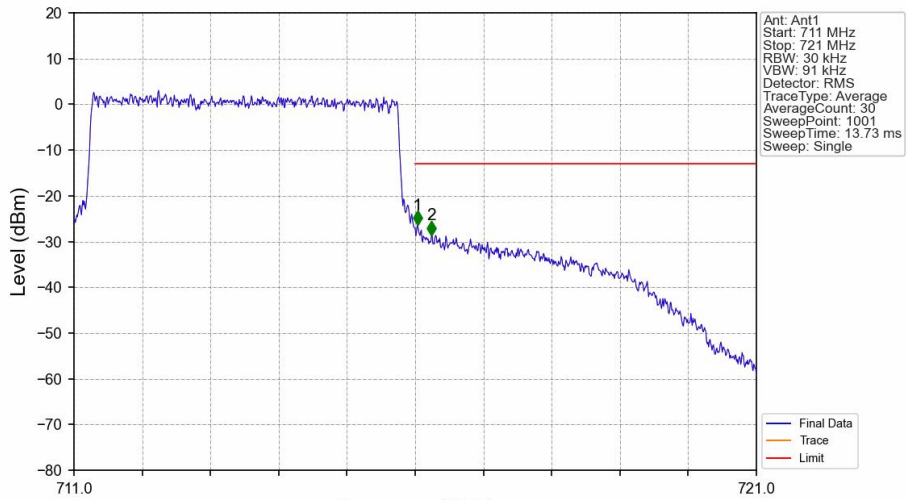


Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



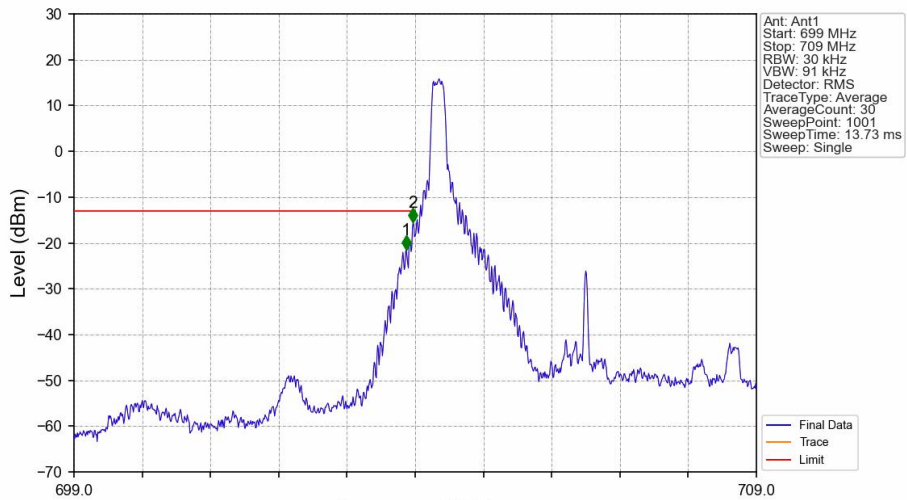
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-15.35	-13	Pass
716.1	721	0.1	/	2	716.110	-19.10	-13	Pass

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



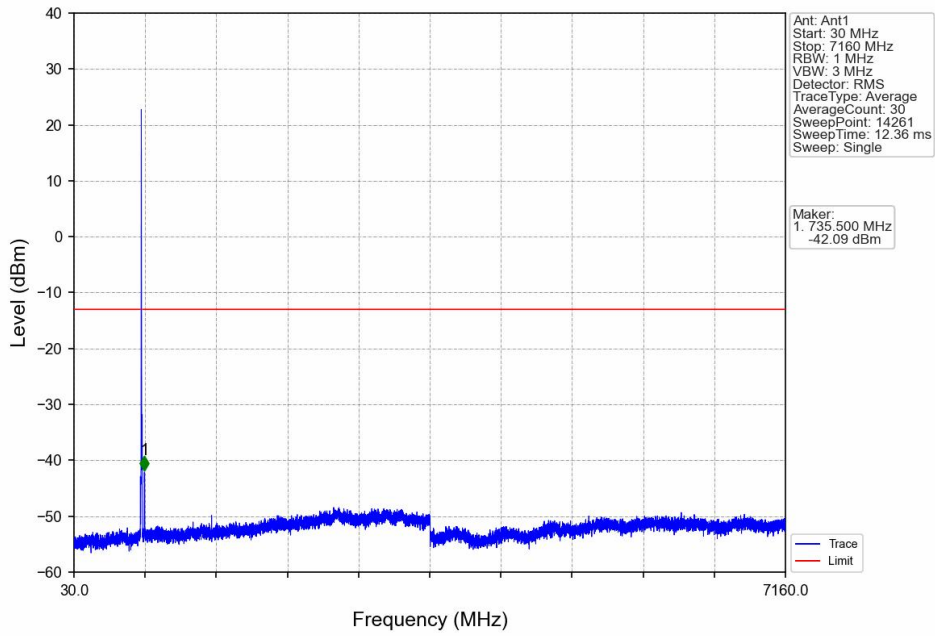
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-26.39	-13	Pass
716.1	721	0.1	/	2	716.240	-28.60	-13	Pass

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

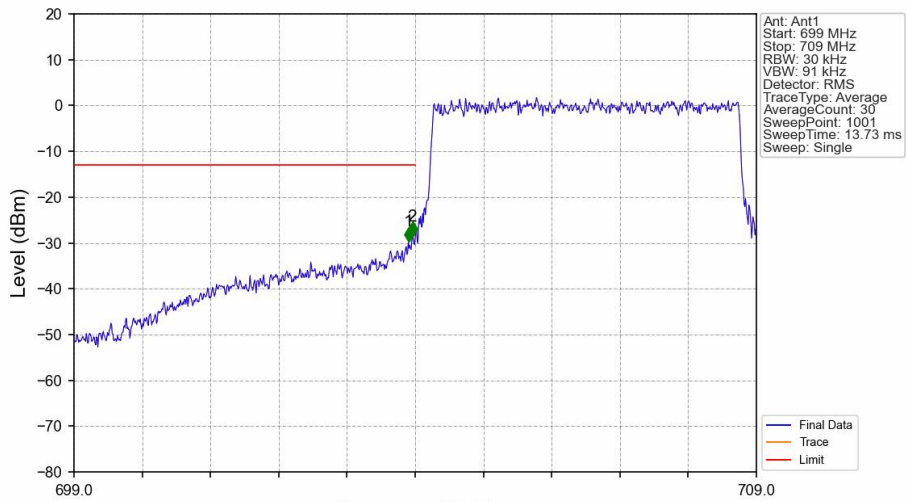


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	/	/	/	/	/
703.9	704	0.03	/	1	703.870	-21.49	-13	Pass
704	709	0.03	/	2	703.970	-15.55	-13	Pass

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

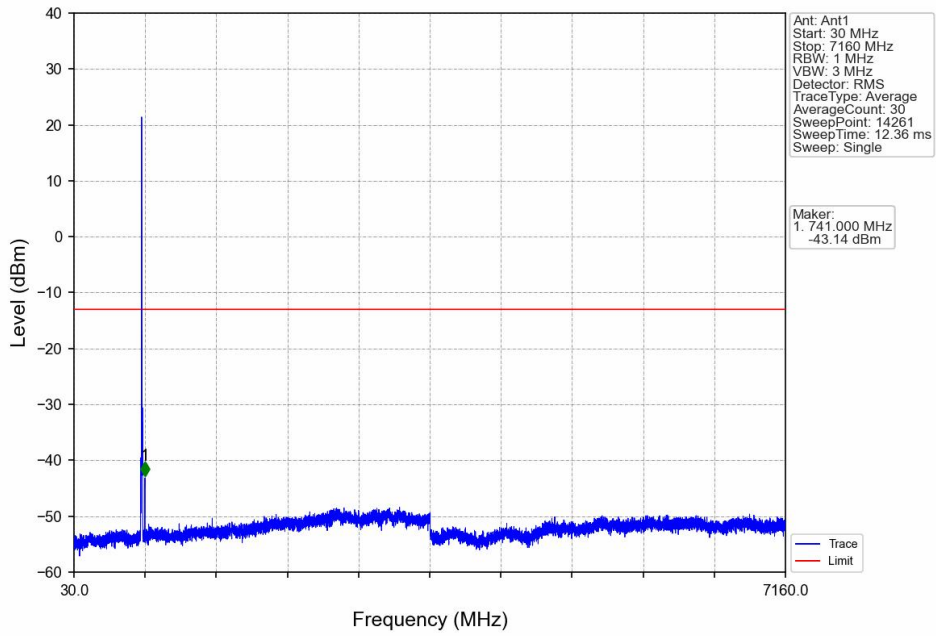


Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV

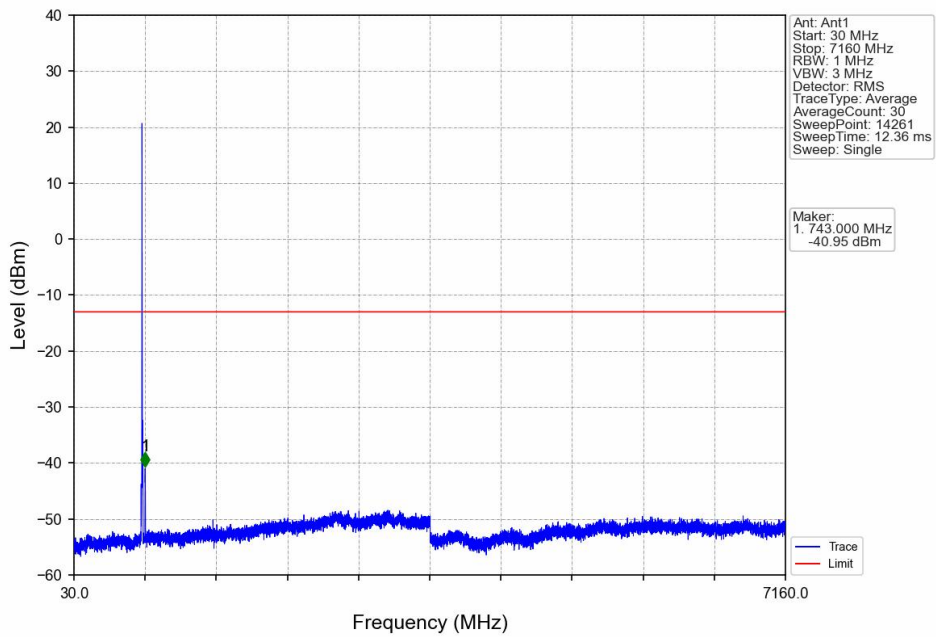


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.900	-29.66	-13	Pass
703.9	704	0.03	/	2	703.960	-28.50	-13	Pass
704	709	0.03	/	/	/	/	/	/

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

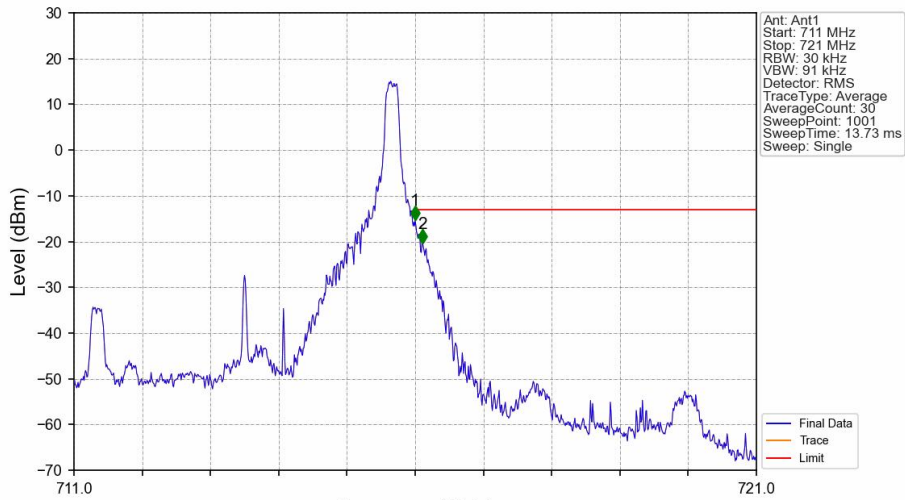


Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



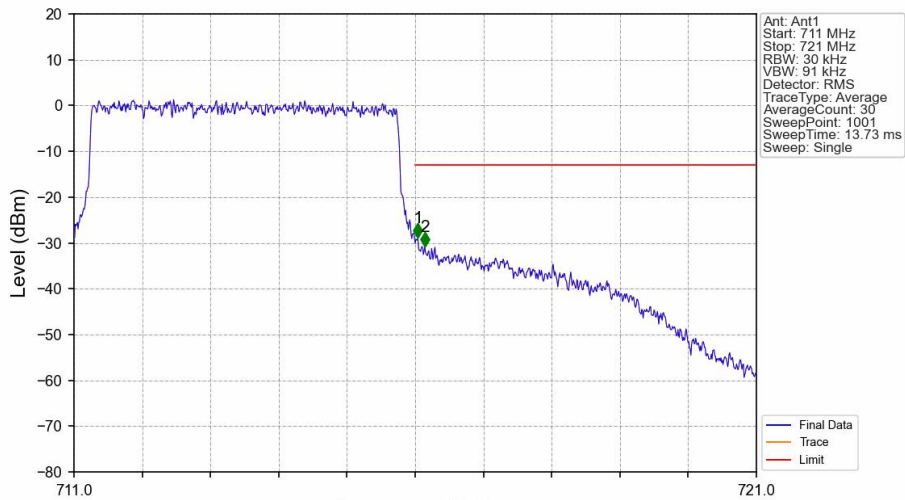


Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-15.30	-13	Pass
716.1	721	0.1	/	2	716.110	-20.46	-13	Pass

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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.040	-28.87	-13	Pass
716.1	721	0.1	/	2	716.140	-30.82	-13	Pass

## 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	0	Refer To Test Graph		Pass
			49	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	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



### 6.2.2 Test Graph

