

### 1. Effective (Isotropic) Radiated Power Output Data

#### 1.1 B14\_5MHz\_ERP

##### 1.1.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	790.5	1	0	23.79	3.52	25.16	<=34.77	Pass		
			13	23.93	3.52	25.30	<=34.77	Pass		
			24	23.81	3.52	25.18	<=34.77	Pass		
		12	0	22.93	3.52	24.30	<=34.77	Pass		
			6	22.96	3.52	24.33	<=34.77	Pass		
			13	22.89	3.52	24.26	<=34.77	Pass		
		25	0	22.83	3.52	24.20	<=34.77	Pass		
		793	1	0	23.89	3.52	25.26	<=34.77	Pass	
				13	24.02	3.52	25.39	<=34.77	Pass	
	24			23.78	3.52	25.15	<=34.77	Pass		
	12		0	22.89	3.52	24.26	<=34.77	Pass		
			6	22.90	3.52	24.27	<=34.77	Pass		
			13	22.87	3.52	24.24	<=34.77	Pass		
	25		0	22.81	3.52	24.18	<=34.77	Pass		
	795.5		1	0	23.91	3.52	25.28	<=34.77	Pass	
				13	23.92	3.52	25.29	<=34.77	Pass	
		24		24.01	3.52	25.38	<=34.77	Pass		
		12	0	22.96	3.52	24.33	<=34.77	Pass		
			6	22.89	3.52	24.26	<=34.77	Pass		
			13	22.72	3.52	24.09	<=34.77	Pass		
		25	0	22.91	3.52	24.28	<=34.77	Pass		
		16QAM	790.5	1	0	23.01	3.52	24.38	<=34.77	Pass
					13	23.02	3.52	24.39	<=34.77	Pass
	24				23.23	3.52	24.60	<=34.77	Pass	
12	0			21.92	3.52	23.29	<=34.77	Pass		
	6			22.03	3.52	23.40	<=34.77	Pass		
	13			21.92	3.52	23.29	<=34.77	Pass		
25	0			21.96	3.52	23.33	<=34.77	Pass		
793	1			0	23.25	3.52	24.62	<=34.77	Pass	
				13	23.36	3.52	24.73	<=34.77	Pass	
			24	23.13	3.52	24.50	<=34.77	Pass		
	12		0	21.96	3.52	23.33	<=34.77	Pass		
			6	21.97	3.52	23.34	<=34.77	Pass		
			13	21.92	3.52	23.29	<=34.77	Pass		
	25		0	21.85	3.52	23.22	<=34.77	Pass		
	795.5		1	0	22.99	3.52	24.36	<=34.77	Pass	
				13	23.12	3.52	24.49	<=34.77	Pass	
24				23.18	3.52	24.55	<=34.77	Pass		
12			0	21.96	3.52	23.33	<=34.77	Pass		
			6	21.85	3.52	23.22	<=34.77	Pass		
			13	21.94	3.52	23.31	<=34.77	Pass		
25			0	21.95	3.52	23.32	<=34.77	Pass		
64QAM			790.5	1	0	22.87	3.52	24.24	<=34.77	Pass
					13	23.13	3.52	24.50	<=34.77	Pass
	24				22.89	3.52	24.26	<=34.77	Pass	
	12	0		21.94	3.52	23.31	<=34.77	Pass		

	793	25	6	22.08	3.52	23.45	<=34.77	Pass
			13	21.87	3.52	23.24	<=34.77	Pass
			0	21.87	3.52	23.24	<=34.77	Pass
		1	0	22.90	3.52	24.27	<=34.77	Pass
			13	23.13	3.52	24.50	<=34.77	Pass
			24	22.90	3.52	24.27	<=34.77	Pass
	12	0	21.88	3.52	23.25	<=34.77	Pass	
		6	21.88	3.52	23.25	<=34.77	Pass	
		13	21.85	3.52	23.22	<=34.77	Pass	
	795.5	25	0	21.92	3.52	23.29	<=34.77	Pass
			0	22.97	3.52	24.34	<=34.77	Pass
			13	23.09	3.52	24.46	<=34.77	Pass
		12	24	22.97	3.52	24.34	<=34.77	Pass
			0	22.06	3.52	23.43	<=34.77	Pass
			6	22.01	3.52	23.38	<=34.77	Pass
		25	13	21.77	3.52	23.14	<=34.77	Pass
			0	22.04	3.52	23.41	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

### 1.1.2 B14\_10MHz\_ERP

Band: 14 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	793	1	0	23.89	3.52	25.26	<=34.77	Pass		
			25	23.99	3.52	25.36	<=34.77	Pass		
			49	23.67	3.52	25.04	<=34.77	Pass		
		25	0	22.96	3.52	24.33	<=34.77	Pass		
			13	22.88	3.52	24.25	<=34.77	Pass		
			25	22.89	3.52	24.26	<=34.77	Pass		
		50	0	22.86	3.52	24.23	<=34.77	Pass		
		16QAM	793	1	0	23.03	3.52	24.40	<=34.77	Pass
					25	23.37	3.52	24.74	<=34.77	Pass
49	23.14				3.52	24.51	<=34.77	Pass		
25	0			21.92	3.52	23.29	<=34.77	Pass		
	13			21.91	3.52	23.28	<=34.77	Pass		
	25			21.95	3.52	23.32	<=34.77	Pass		
50	0			21.86	3.52	23.23	<=34.77	Pass		
64QAM	793			1	0	22.92	3.52	24.29	<=34.77	Pass
					25	23.00	3.52	24.37	<=34.77	Pass
		49	23.04		3.52	24.41	<=34.77	Pass		
		25	0	21.87	3.52	23.24	<=34.77	Pass		
			13	21.90	3.52	23.27	<=34.77	Pass		
			25	21.91	3.52	23.28	<=34.77	Pass		
		50	0	21.90	3.52	23.27	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 B14\_5MHz

#### 2.1.1 Test Result

Band: 14 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	790.5	25	0	20	3.27	1.400	0.0018	-2.5 to 2.5	Pass
					3.85	3.400	0.0043	-2.5 to 2.5	Pass
					4.43	1.300	0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.500	0.0032	-2.5 to 2.5	Pass
				-20	3.85	1.200	0.0015	-2.5 to 2.5	Pass
				-10	3.85	3.200	0.0040	-2.5 to 2.5	Pass
				0	3.85	2.100	0.0027	-2.5 to 2.5	Pass
				10	3.85	1.900	0.0024	-2.5 to 2.5	Pass
				30	3.85	3.700	0.0047	-2.5 to 2.5	Pass
	40	3.85	1.300	0.0016	-2.5 to 2.5	Pass			
	50	3.85	1.800	0.0023	-2.5 to 2.5	Pass			
	793	25	0	20	3.27	1.600	0.0020	-2.5 to 2.5	Pass
					3.85	1.200	0.0015	-2.5 to 2.5	Pass
					4.43	0.300	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.500	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.900	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.900	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.700	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.400	0.0018	-2.5 to 2.5	Pass
				30	3.85	0.500	0.0006	-2.5 to 2.5	Pass
	40	3.85	-0.500	-0.0006	-2.5 to 2.5	Pass			
	50	3.85	-1.100	-0.0014	-2.5 to 2.5	Pass			
	795.5	25	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
					4.43	1.900	0.0024	-2.5 to 2.5	Pass
				-30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.600	0.0020	-2.5 to 2.5	Pass
-10				3.85	-1.300	-0.0016	-2.5 to 2.5	Pass	
0				3.85	-0.600	-0.0008	-2.5 to 2.5	Pass	
10				3.85	0.600	0.0008	-2.5 to 2.5	Pass	
30				3.85	0.400	0.0005	-2.5 to 2.5	Pass	
40	3.85	2.800	0.0035	-2.5 to 2.5	Pass				
50	3.85	-1.400	-0.0018	-2.5 to 2.5	Pass				
16QAM	790.5	25	0	20	3.27	0.400	0.0005	-2.5 to 2.5	Pass
					3.85	1.600	0.0020	-2.5 to 2.5	Pass
					4.43	2.300	0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.700	0.0022	-2.5 to 2.5	Pass
				-20	3.85	2.500	0.0032	-2.5 to 2.5	Pass
				-10	3.85	1.000	0.0013	-2.5 to 2.5	Pass
				0	3.85	2.400	0.0030	-2.5 to 2.5	Pass
				10	3.85	2.900	0.0037	-2.5 to 2.5	Pass
				30	3.85	1.400	0.0018	-2.5 to 2.5	Pass
	40	3.85	1.000	0.0013	-2.5 to 2.5	Pass			
	50	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass			
	793	25	0	20	3.27	2.900	0.0037	-2.5 to 2.5	Pass
					3.85	1.000	0.0013	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.900	0.0024	-2.5 to 2.5	Pass
				-20	3.85	1.200	0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.500	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.900	0.0011	-2.5 to 2.5	Pass
10				3.85	1.600	0.0020	-2.5 to 2.5	Pass	
30				3.85	-0.400	-0.0005	-2.5 to 2.5	Pass	

	795.5	25	0	40	3.85	-0.800	-0.0010	-2.5 to 2.5	Pass			
				50	3.85	0.600	0.0008	-2.5 to 2.5	Pass			
				20	3.27	0.300	0.0004	-2.5 to 2.5	Pass			
					3.85	0.800	0.0010	-2.5 to 2.5	Pass			
					4.43	0.000	0.0000	-2.5 to 2.5	Pass			
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass			
				-20	3.85	0.500	0.0006	-2.5 to 2.5	Pass			
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass			
				0	3.85	-0.600	-0.0008	-2.5 to 2.5	Pass			
				10	3.85	-0.600	-0.0008	-2.5 to 2.5	Pass			
				30	3.85	1.700	0.0021	-2.5 to 2.5	Pass			
				40	3.85	1.500	0.0019	-2.5 to 2.5	Pass			
				50	3.85	0.200	0.0003	-2.5 to 2.5	Pass			
				64QAM	790.5	25	0	20	3.27	14.500	0.0183	-2.5 to 2.5
3.85	5.800	0.0073	-2.5 to 2.5						Pass			
4.43	-10.000	-0.0127	-2.5 to 2.5						Pass			
-30	3.85	-12.600	-0.0159					-2.5 to 2.5	Pass			
-20	3.85	-23.900	-0.0302					-2.5 to 2.5	Pass			
-10	3.85	-11.700	-0.0148					-2.5 to 2.5	Pass			
0	3.85	-18.800	-0.0238					-2.5 to 2.5	Pass			
10	3.85	-44.600	-0.0564					-2.5 to 2.5	Pass			
30	3.85	0.300	0.0004					-2.5 to 2.5	Pass			
40	3.85	39.000	0.0493					-2.5 to 2.5	Pass			
50	3.85	1.600	0.0020					-2.5 to 2.5	Pass			
793	25	0	20					3.27	-44.800	-0.0565	-2.5 to 2.5	Pass
								3.85	-31.100	-0.0392	-2.5 to 2.5	Pass
								4.43	42.000	0.0530	-2.5 to 2.5	Pass
			-30		3.85	19.200	0.0242	-2.5 to 2.5	Pass			
			-20		3.85	29.100	0.0367	-2.5 to 2.5	Pass			
			-10		3.85	86.400	0.1090	-2.5 to 2.5	Pass			
			0		3.85	-6.000	-0.0076	-2.5 to 2.5	Pass			
			10		3.85	28.200	0.0356	-2.5 to 2.5	Pass			
			30		3.85	-17.400	-0.0219	-2.5 to 2.5	Pass			
			40		3.85	8.500	0.0107	-2.5 to 2.5	Pass			
			50		3.85	-10.600	-0.0134	-2.5 to 2.5	Pass			
			795.5		25	0	20	3.27	46.800	0.0588	-2.5 to 2.5	Pass
								3.85	4.200	0.0053	-2.5 to 2.5	Pass
								4.43	12.600	0.0158	-2.5 to 2.5	Pass
-30	3.85	-26.300					-0.0331	-2.5 to 2.5	Pass			
-20	3.85	-20.700					-0.0260	-2.5 to 2.5	Pass			
-10	3.85	19.500					0.0245	-2.5 to 2.5	Pass			
0	3.85	34.700		0.0436			-2.5 to 2.5	Pass				
10	3.85	-14.100		-0.0177			-2.5 to 2.5	Pass				
30	3.85	-27.500		-0.0346			-2.5 to 2.5	Pass				
40	3.85	25.300		0.0318			-2.5 to 2.5	Pass				
50	3.85	1.000		0.0013			-2.5 to 2.5	Pass				

## 2.2 B14\_10MHz

### 2.2.1 Test Result

Band: 14 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	793	50	0	20	3.27	1.400	0.0018	-2.5 to 2.5	Pass
					3.85	2.900	0.0037	-2.5 to 2.5	Pass
					4.43	2.700	0.0034	-2.5 to 2.5	Pass
				-30	3.85	0.700	0.0009	-2.5 to 2.5	Pass
					-20	3.85	2.900	0.0037	-2.5 to 2.5
				-10	3.85	1.900	0.0024	-2.5 to 2.5	Pass
				0	3.85	1.400	0.0018	-2.5 to 2.5	Pass
				10	3.85	2.600	0.0033	-2.5 to 2.5	Pass
				30	3.85	2.100	0.0026	-2.5 to 2.5	Pass
				40	3.85	2.600	0.0033	-2.5 to 2.5	Pass
50	3.85	0.300	0.0004	-2.5 to 2.5	Pass				
16QAM	793	50	0	20	3.27	1.700	0.0021	-2.5 to 2.5	Pass
					3.85	3.500	0.0044	-2.5 to 2.5	Pass
					4.43	3.500	0.0044	-2.5 to 2.5	Pass
				-30	3.85	1.800	0.0023	-2.5 to 2.5	Pass
					-20	3.85	0.900	0.0011	-2.5 to 2.5
				-10	3.85	0.700	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.800	0.0023	-2.5 to 2.5	Pass
				10	3.85	0.700	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.700	0.0021	-2.5 to 2.5	Pass
				40	3.85	3.000	0.0038	-2.5 to 2.5	Pass
50	3.85	1.400	0.0018	-2.5 to 2.5	Pass				
64QAM	793	50	0	20	3.27	9.600	0.0121	-2.5 to 2.5	Pass
					3.85	-10.000	-0.0126	-2.5 to 2.5	Pass
					4.43	-8.300	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-6.800	-0.0086	-2.5 to 2.5	Pass
					-20	3.85	-1.600	-0.0020	-2.5 to 2.5
				-10	3.85	-10.000	-0.0126	-2.5 to 2.5	Pass
				0	3.85	22.600	0.0285	-2.5 to 2.5	Pass
				10	3.85	-2.300	-0.0029	-2.5 to 2.5	Pass
				30	3.85	17.700	0.0223	-2.5 to 2.5	Pass
				40	3.85	17.900	0.0226	-2.5 to 2.5	Pass
50	3.85	-12.600	-0.0159	-2.5 to 2.5	Pass				

### 3. 99% & 26dB Bandwidth

#### 3.1 Band14\_OBW

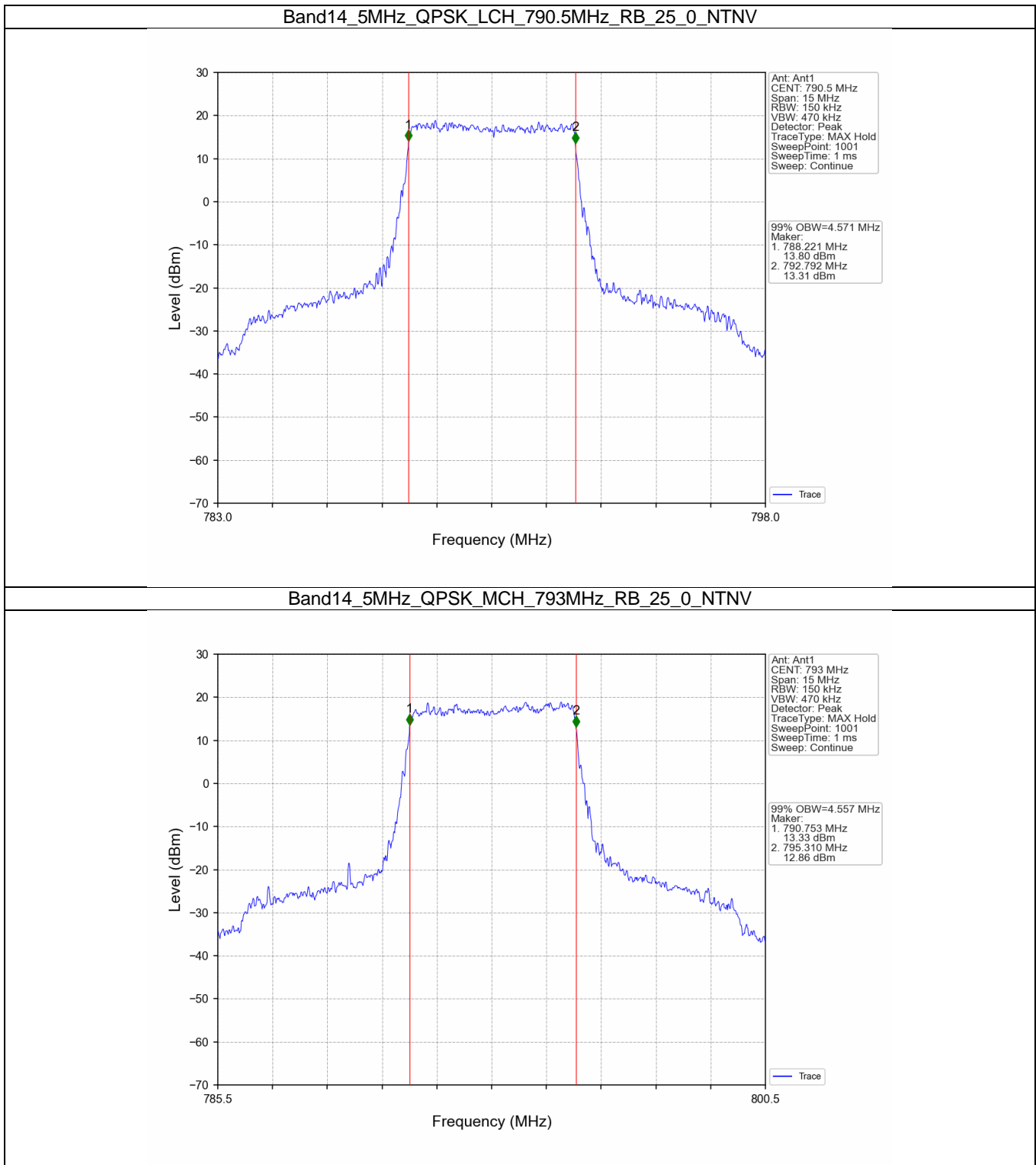
##### 3.1.1 Test Result

Band: 14 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	790.5	25	0	4.571	/	Pass
		793	25	0	4.557	/	Pass
		795.5	25	0	4.525	/	Pass
	16QAM	790.5	25	0	4.565	/	Pass
		793	25	0	4.544	/	Pass
		795.5	25	0	4.548	/	Pass
	64QAM	790.5	25	0	4.571	/	Pass
		793	25	0	4.562	/	Pass
		795.5	25	0	4.545	/	Pass
10	QPSK	793	50	0	9.117	/	Pass
	16QAM	793	50	0	9.085	/	Pass

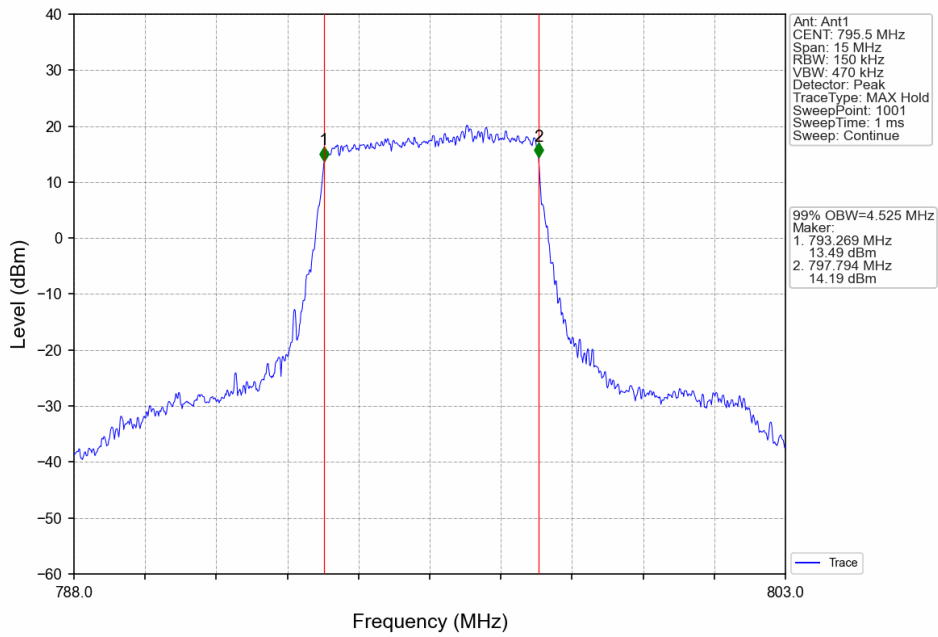


	64QAM	793	50	0	9.105	/	Pass
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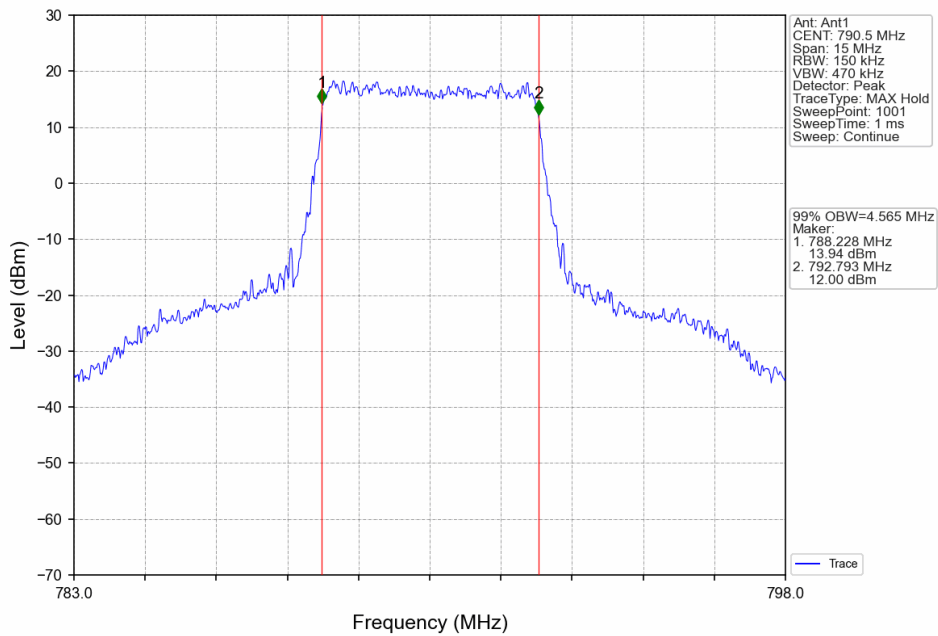
3.1.2 Test Graph



Band14\_5MHz\_QPSK\_HCH\_795.5MHz\_RB\_25\_0\_NTNV

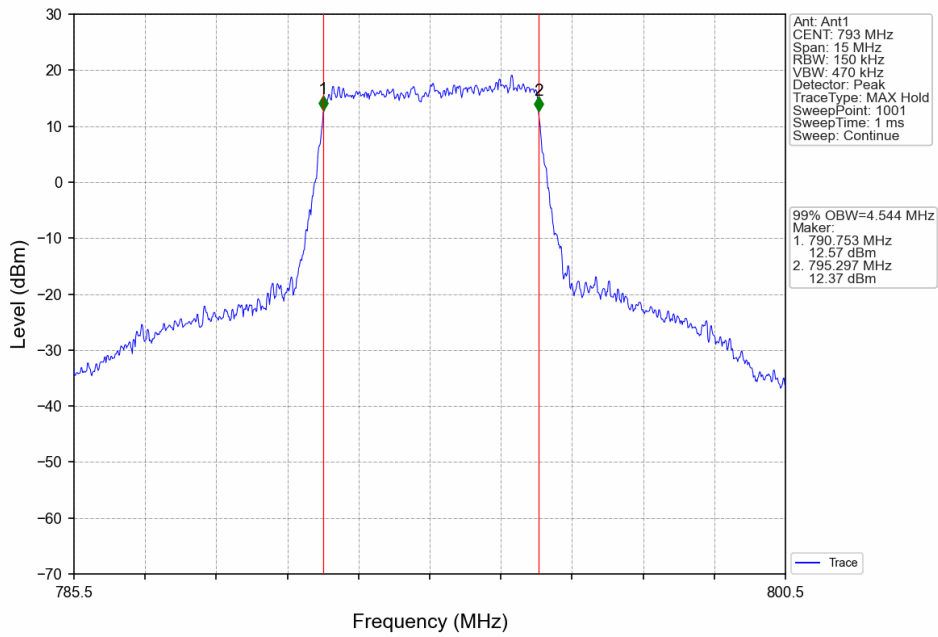


Band14\_5MHz\_16QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV

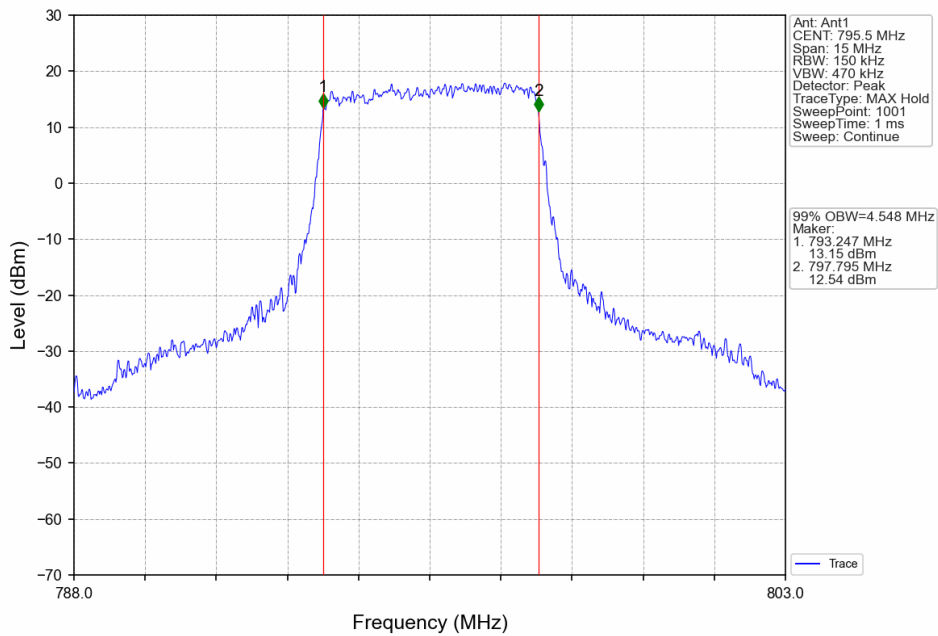




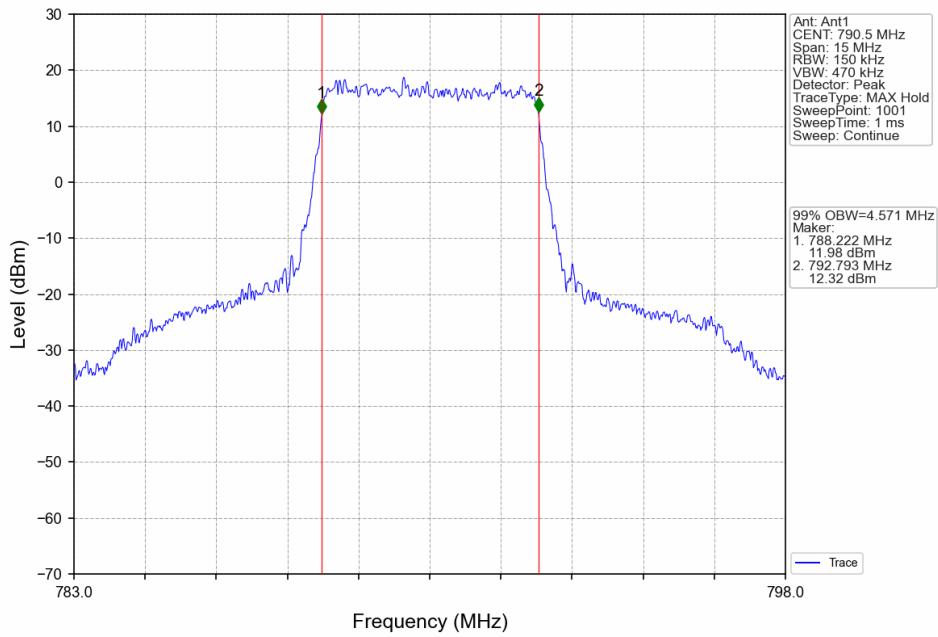
Band14\_5MHz\_16QAM\_MCH\_793MHz\_RB\_25\_0\_NTNV



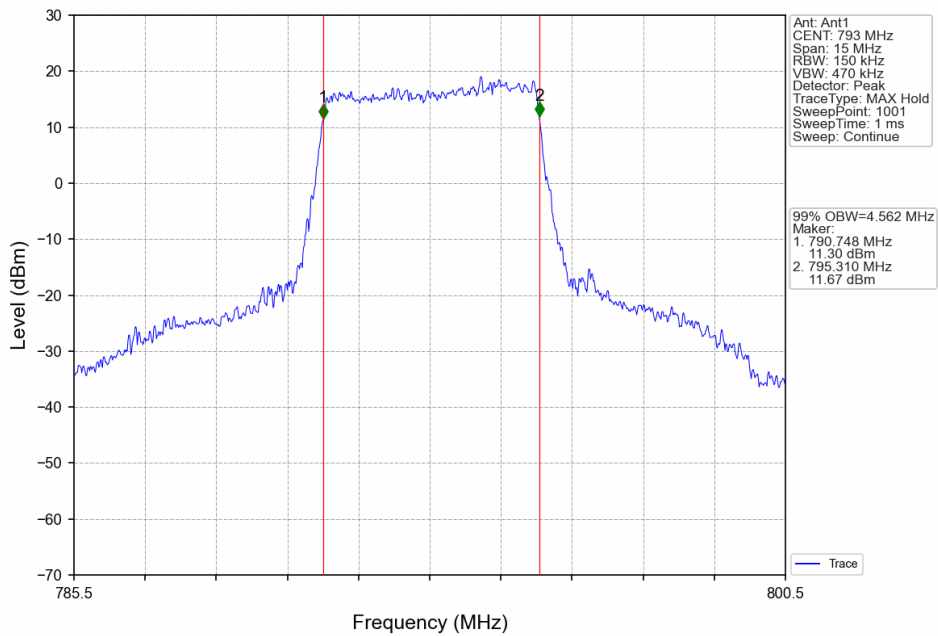
Band14\_5MHz\_16QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



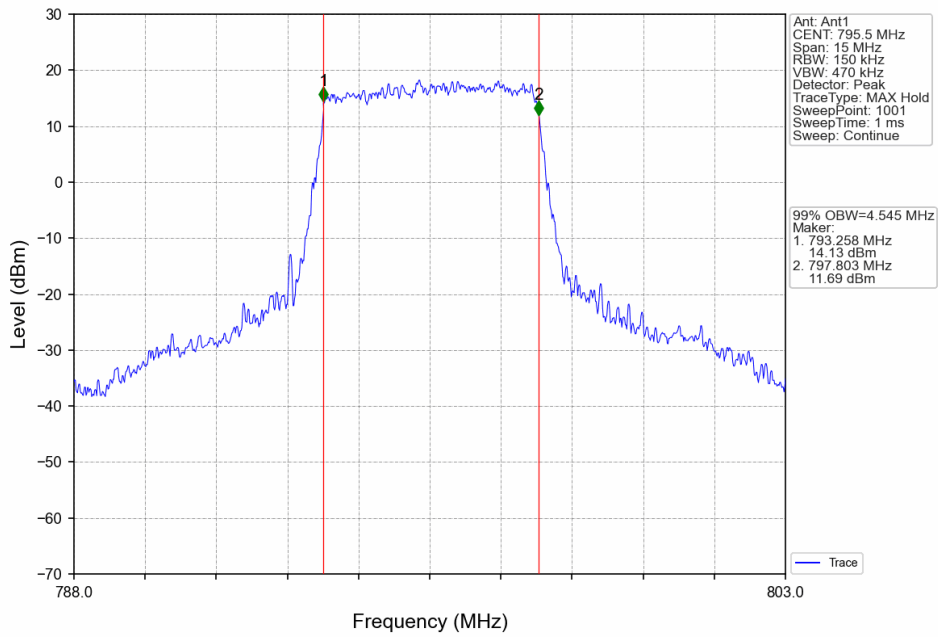
Band14\_5MHz\_64QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV



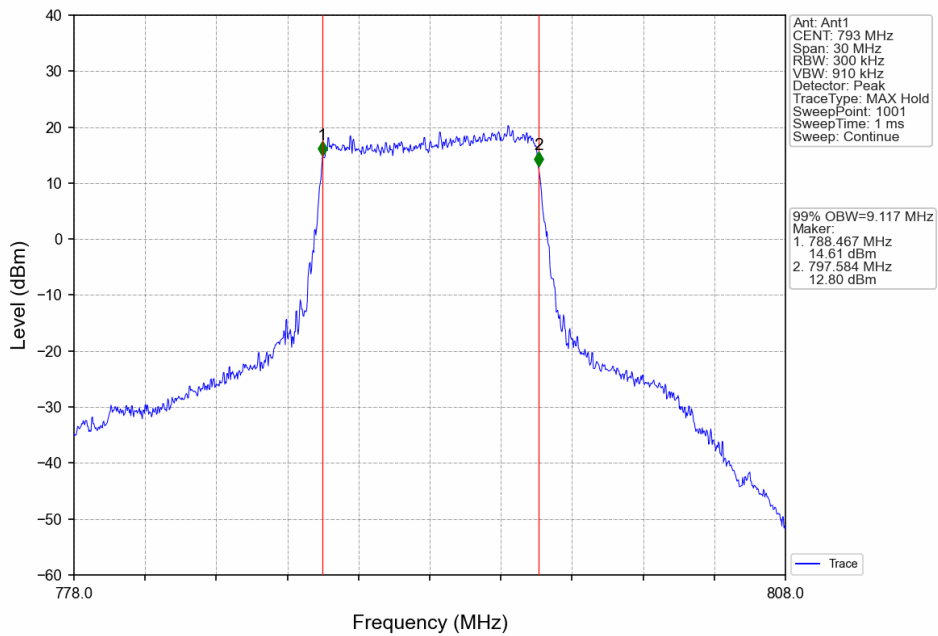
Band14\_5MHz\_64QAM\_MCH\_793MHz\_RB\_25\_0\_NTNV



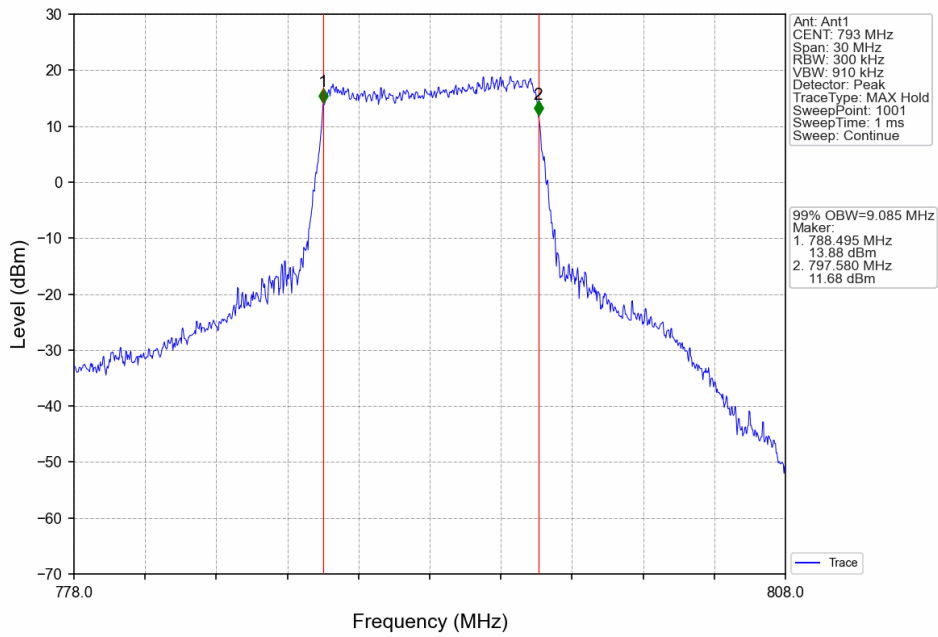
Band14\_5MHz\_64QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



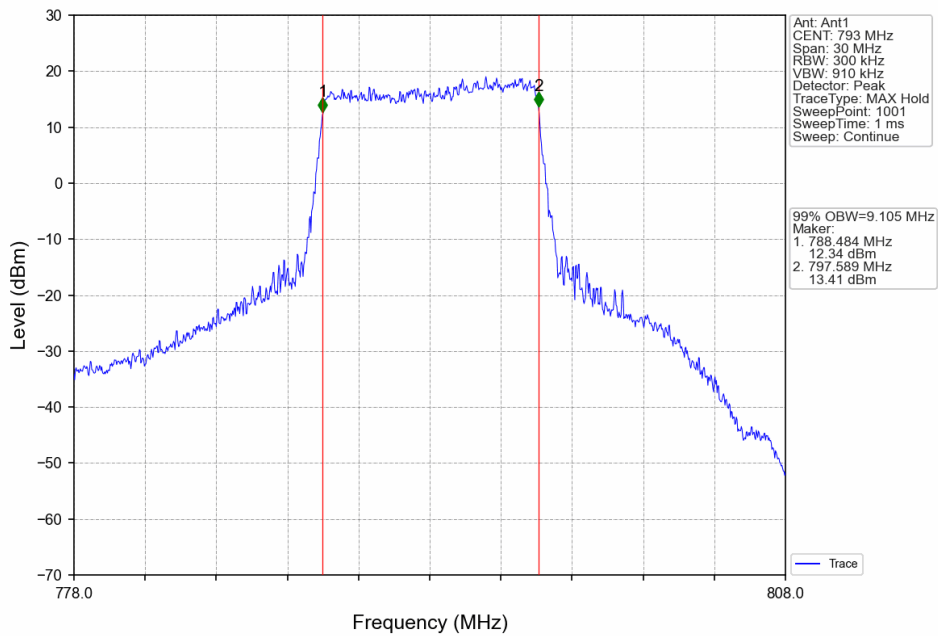
Band14\_10MHz\_QPSK\_MCH\_793MHz\_RB\_50\_0\_NTNV



Band14\_10MHz\_16QAM\_MCH\_793MHz\_RB\_50\_0\_NTNV



Band14\_10MHz\_64QAM\_MCH\_793MHz\_RB\_50\_0\_NTNV

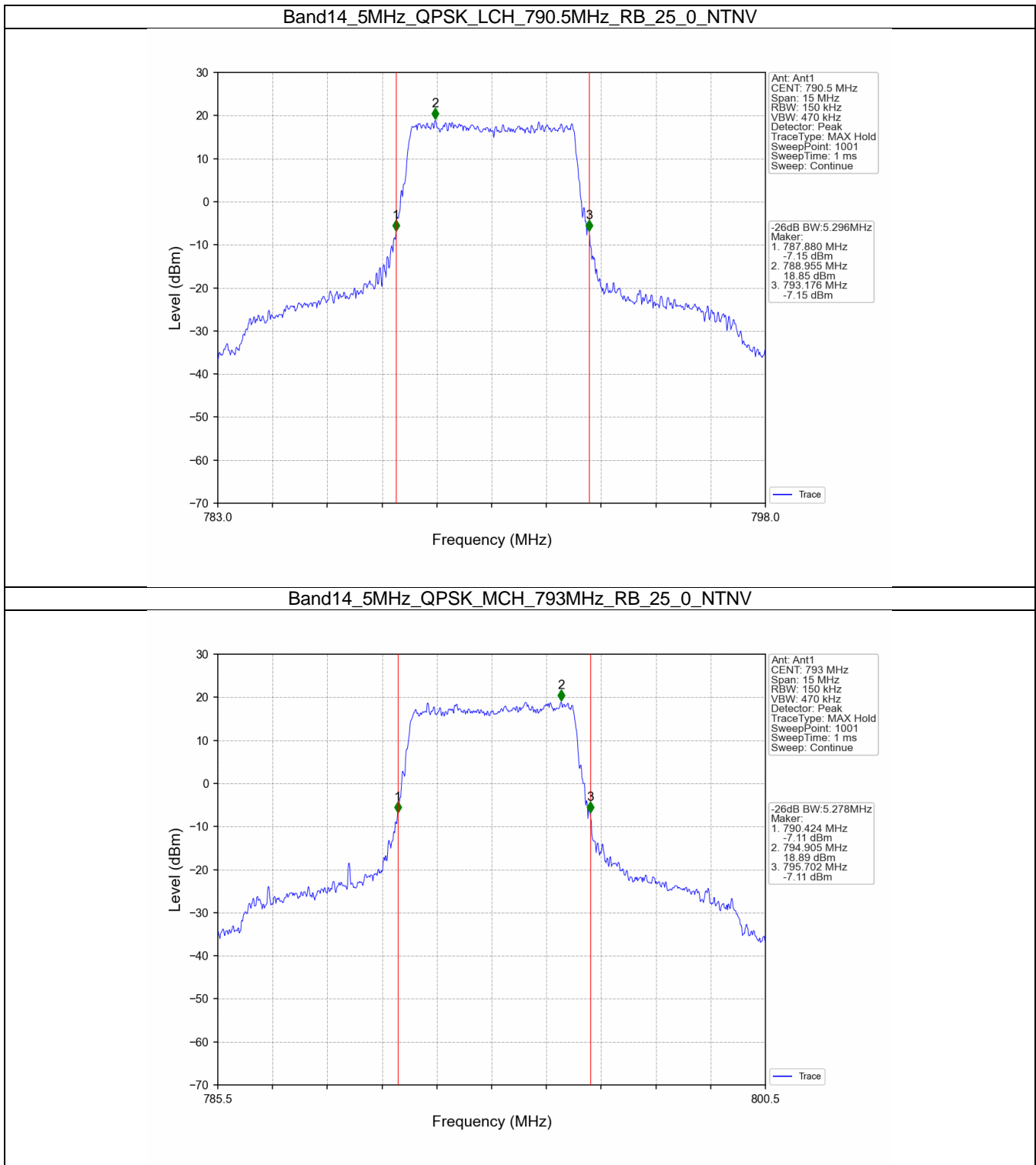


3.2 Band14\_XDB

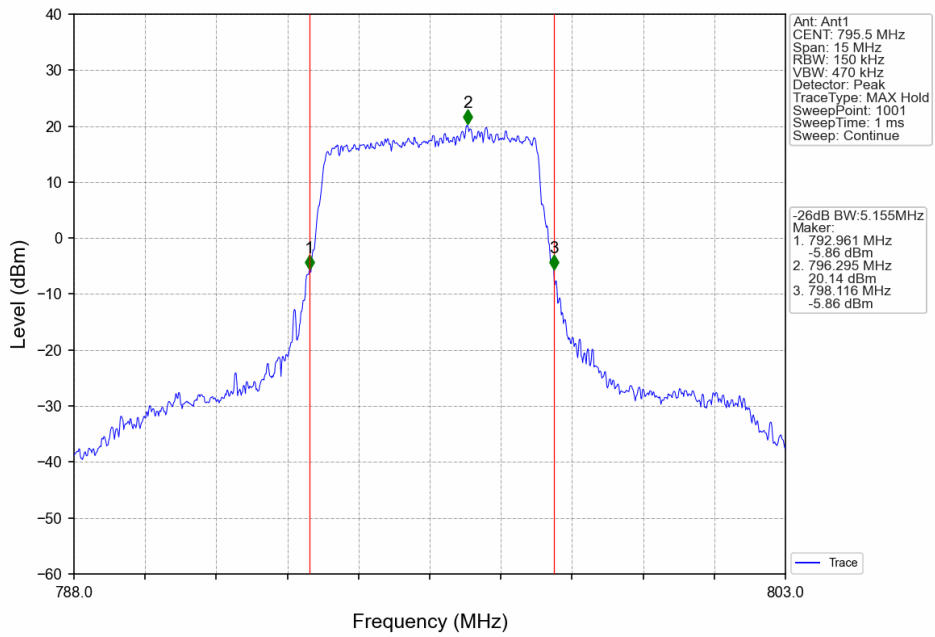
3.2.1 Test Result

Band: 14 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	790.5	25	0	5.296	/	Pass
		793	25	0	5.278	/	Pass
		795.5	25	0	5.155	/	Pass
	16QAM	790.5	25	0	5.288	/	Pass
		793	25	0	5.158	/	Pass
		795.5	25	0	5.182	/	Pass
	64QAM	790.5	25	0	5.183	/	Pass
		793	25	0	5.208	/	Pass
		795.5	25	0	5.206	/	Pass
10	QPSK	793	50	0	10.194	/	Pass
	16QAM	793	50	0	10.168	/	Pass
	64QAM	793	50	0	10.253	/	Pass

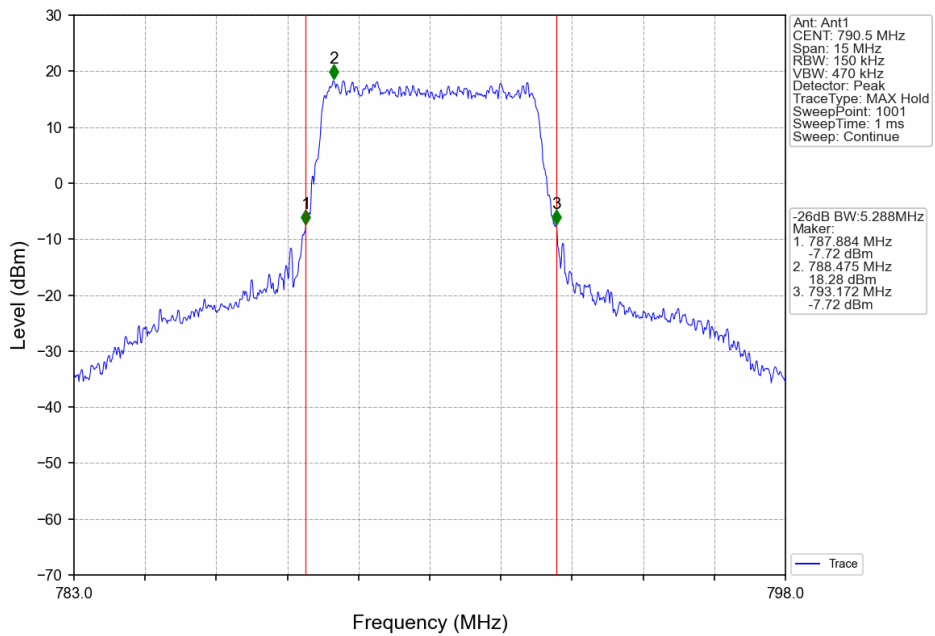
3.2.2 Test Graph



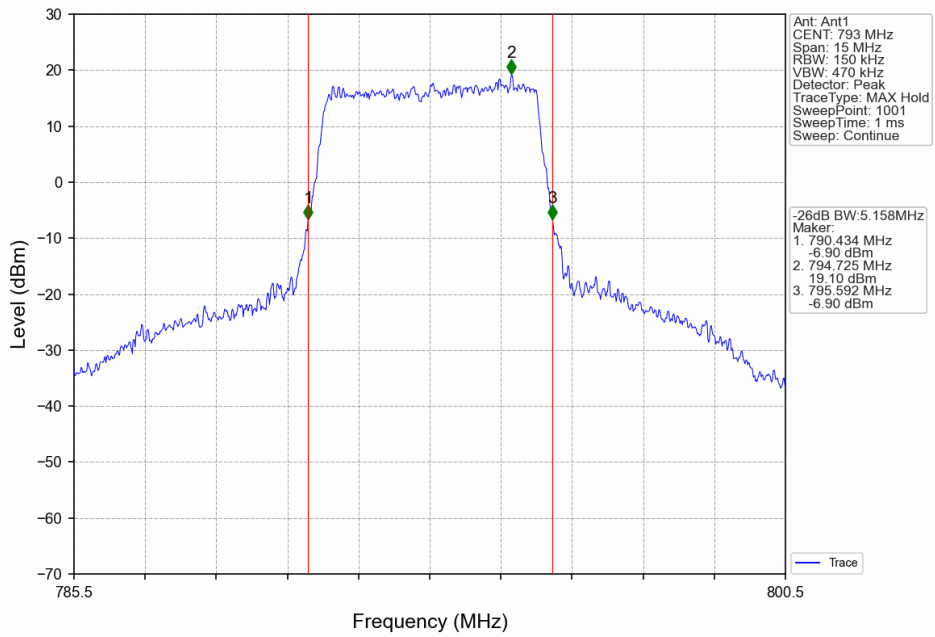
Band14\_5MHz\_QPSK\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



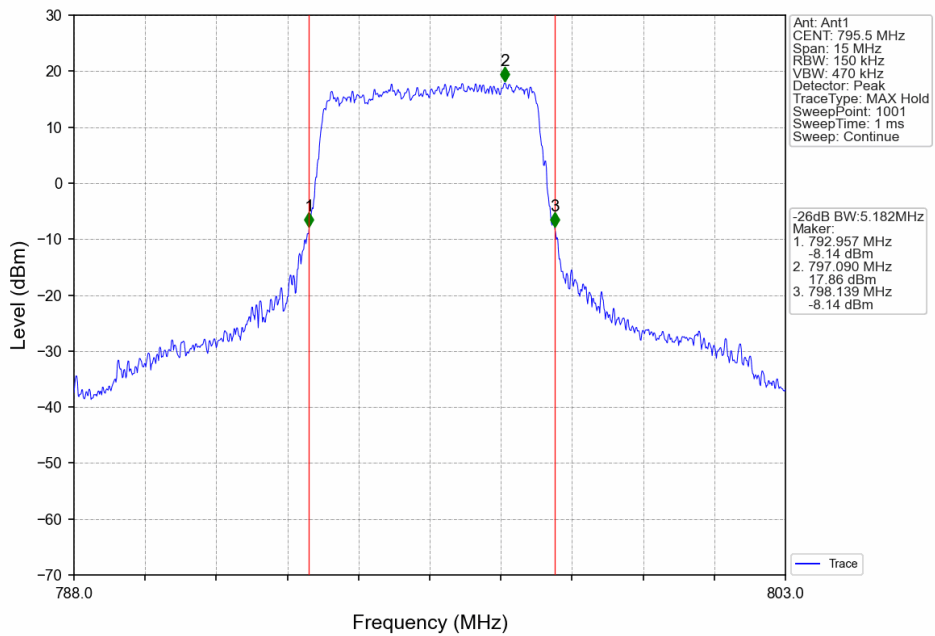
Band14\_5MHz\_16QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV



Band14\_5MHz\_16QAM\_MCH\_793MHz\_RB\_25\_0\_NTNV

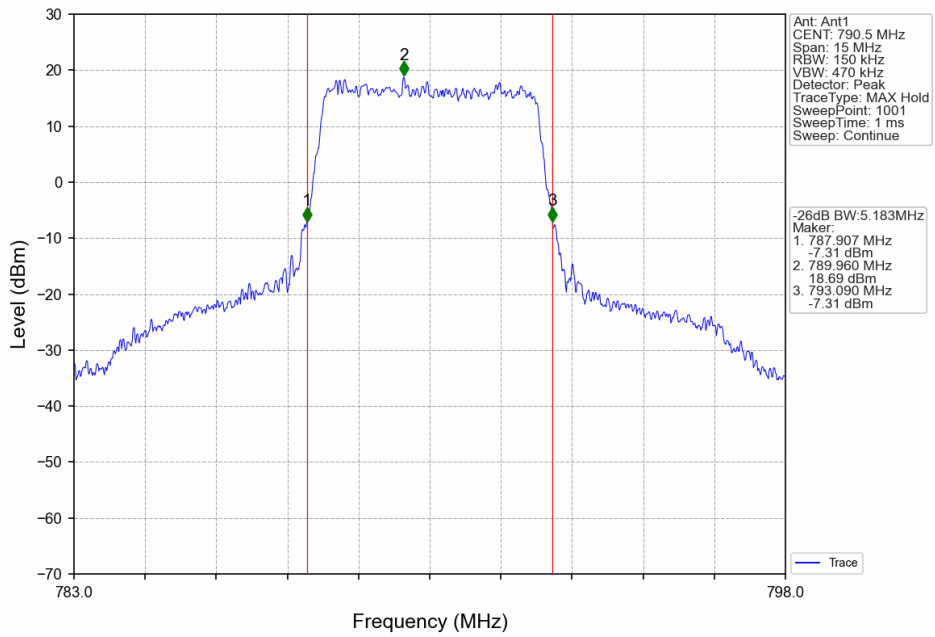


Band14\_5MHz\_16QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV

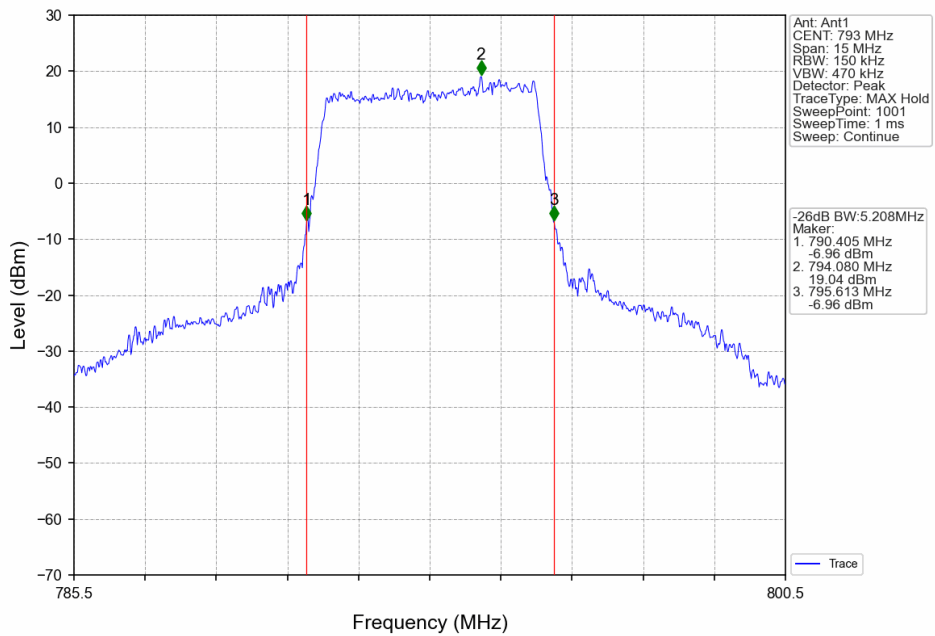




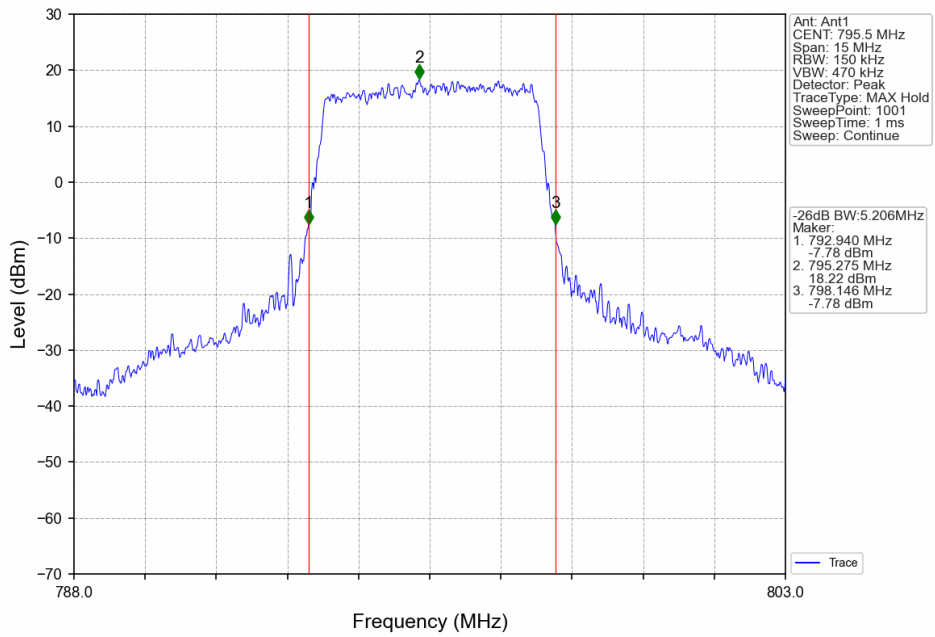
Band14\_5MHz\_64QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV



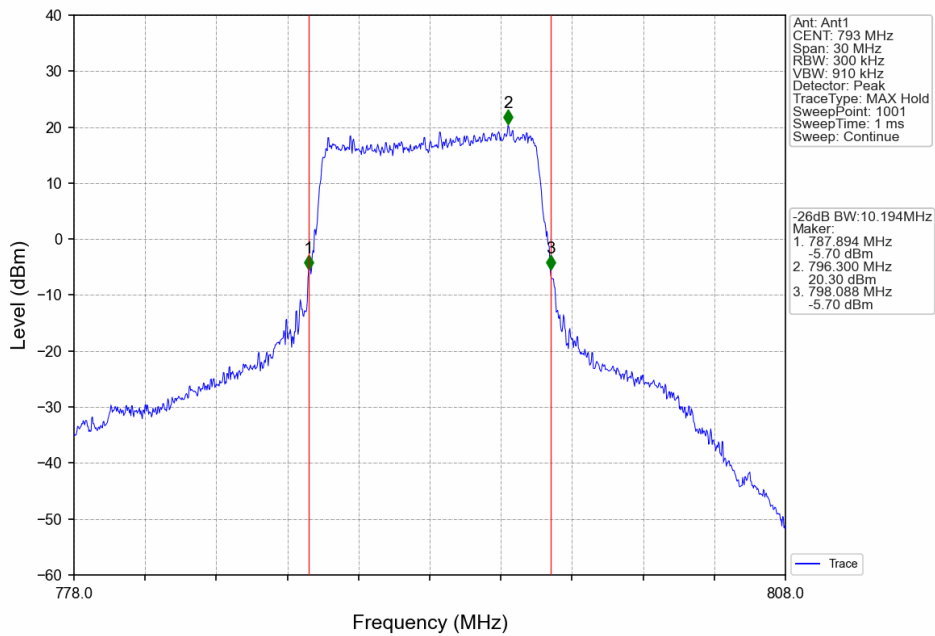
Band14\_5MHz\_64QAM\_MCH\_793MHz\_RB\_25\_0\_NTNV



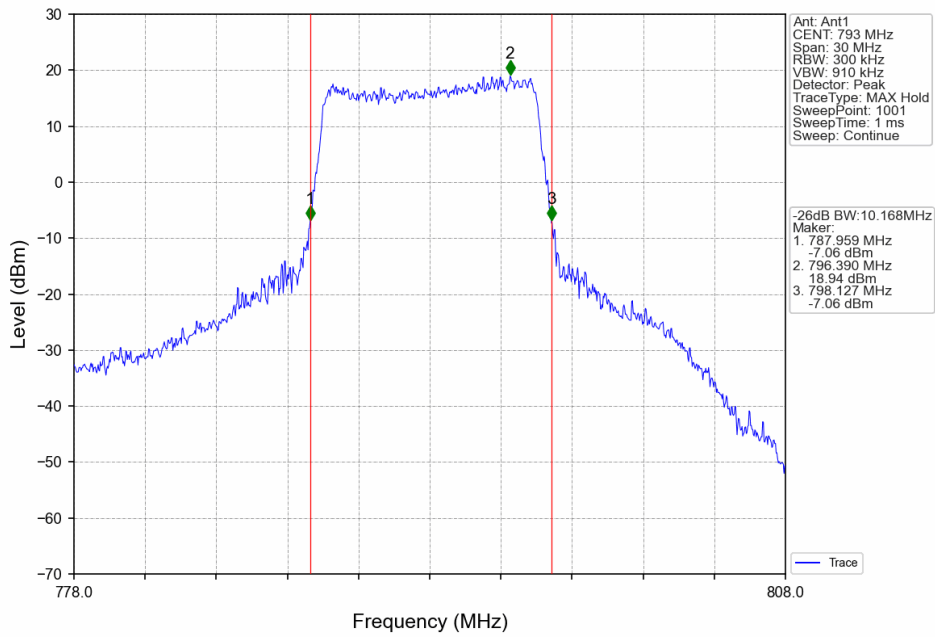
Band14\_5MHz\_64QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



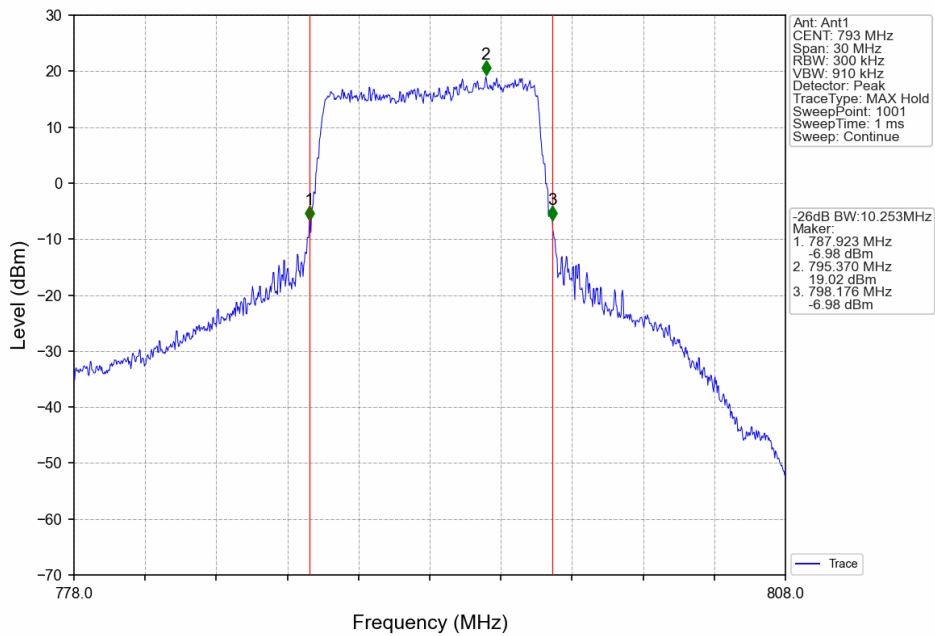
Band14\_10MHz\_QPSK\_MCH\_793MHz\_RB\_50\_0\_NTNV



Band14\_10MHz\_16QAM\_MCH\_793MHz\_RB\_50\_0\_NTNV



Band14\_10MHz\_64QAM\_MCH\_793MHz\_RB\_50\_0\_NTNV



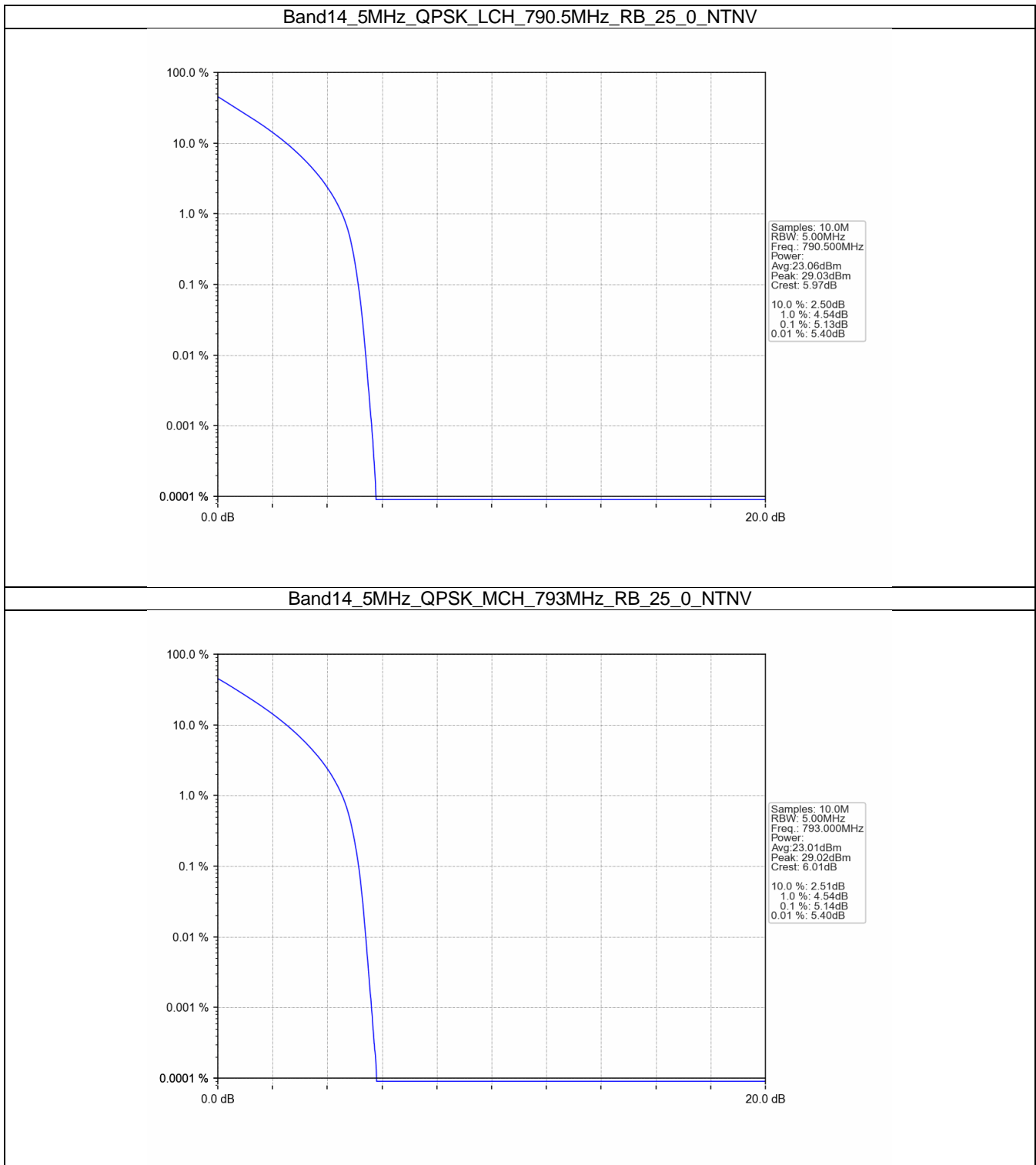
#### 4. Peak-Average Ratio

##### 4.1 B14\_5MHz

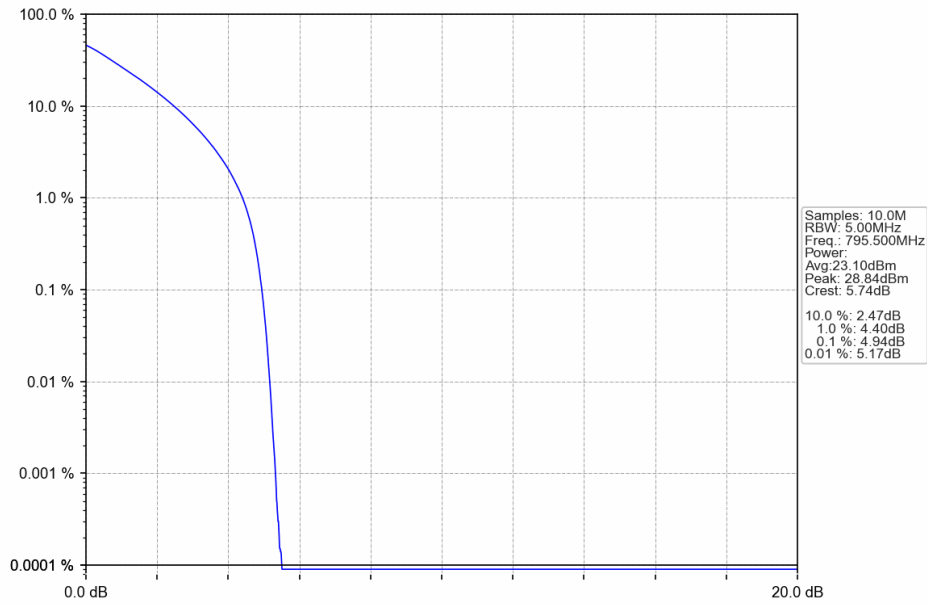
##### 4.1.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	790.5	25	0	5.13	<=13	Pass
	793	25	0	5.14	<=13	Pass
	795.5	25	0	4.94	<=13	Pass
16QAM	790.5	25	0	6.18	<=13	Pass
	793	25	0	6.18	<=13	Pass
	795.5	25	0	6.04	<=13	Pass
64QAM	790.5	25	0	6.18	<=13	Pass
	793	25	0	6.19	<=13	Pass
	795.5	25	0	6.02	<=13	Pass

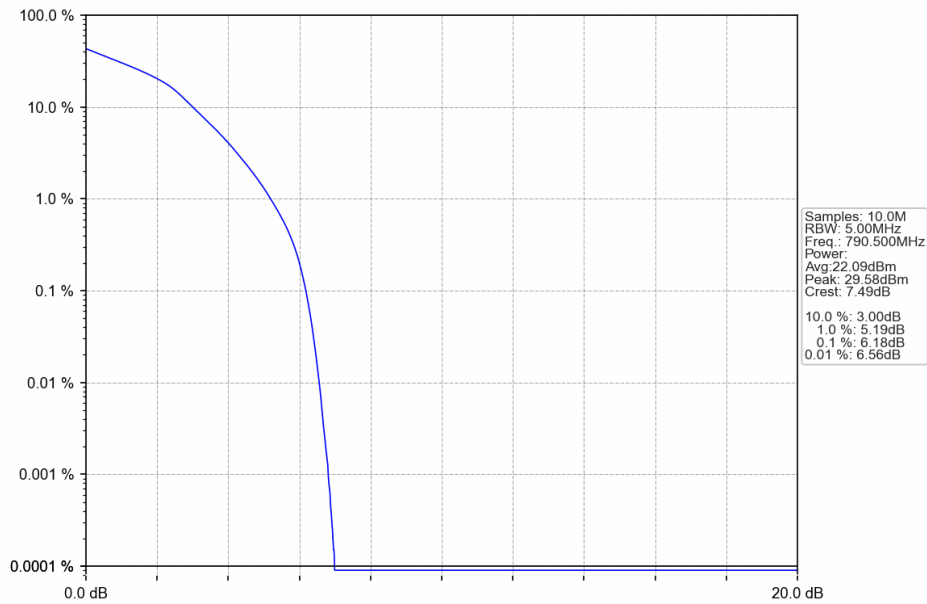
4.1.2 Test Graph



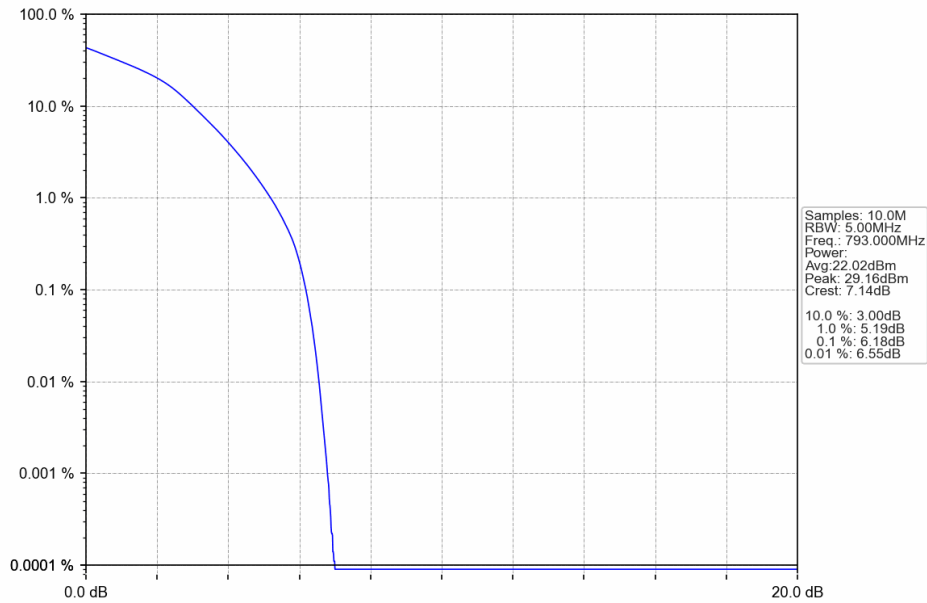
Band14\_5MHz\_QPSK\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



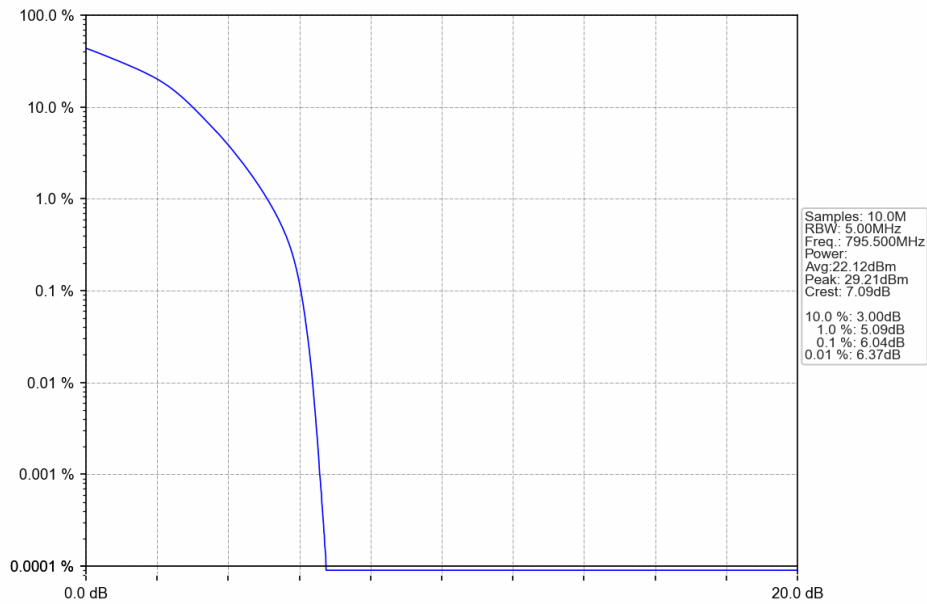
Band14\_5MHz\_16QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV



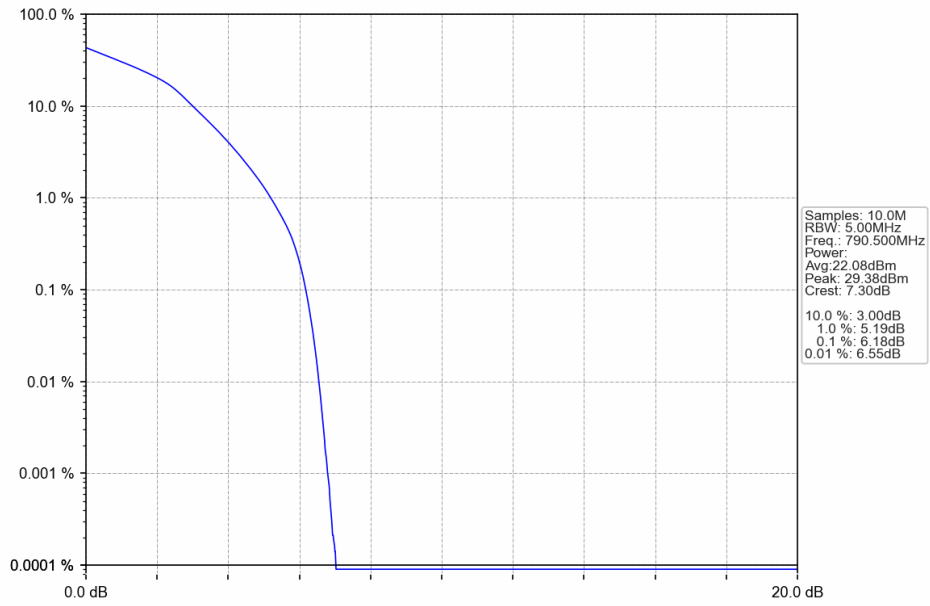
Band14\_5MHz\_16QAM\_MCH\_793MHz\_RB\_25\_0\_NTNV



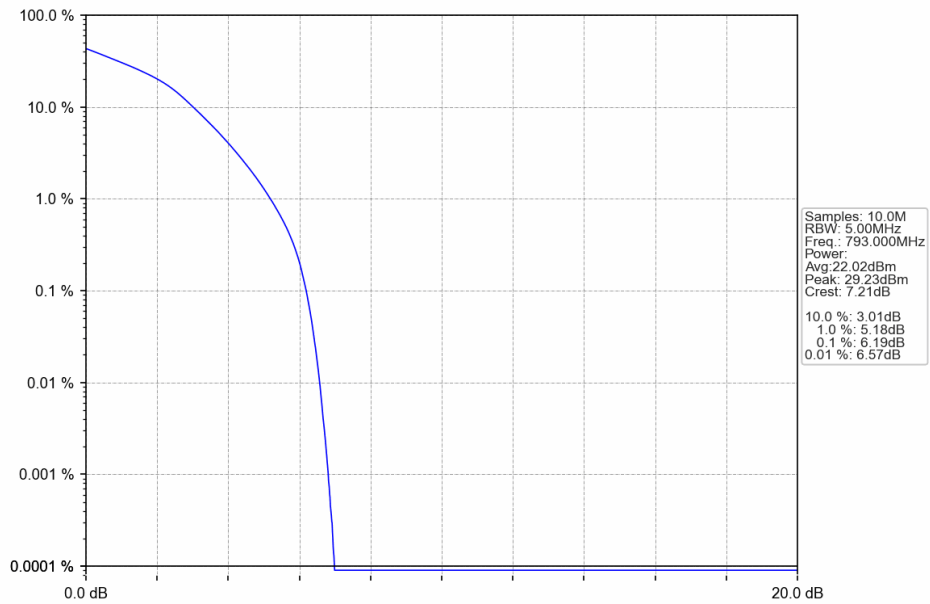
Band14\_5MHz\_16QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



Band14\_5MHz\_64QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV

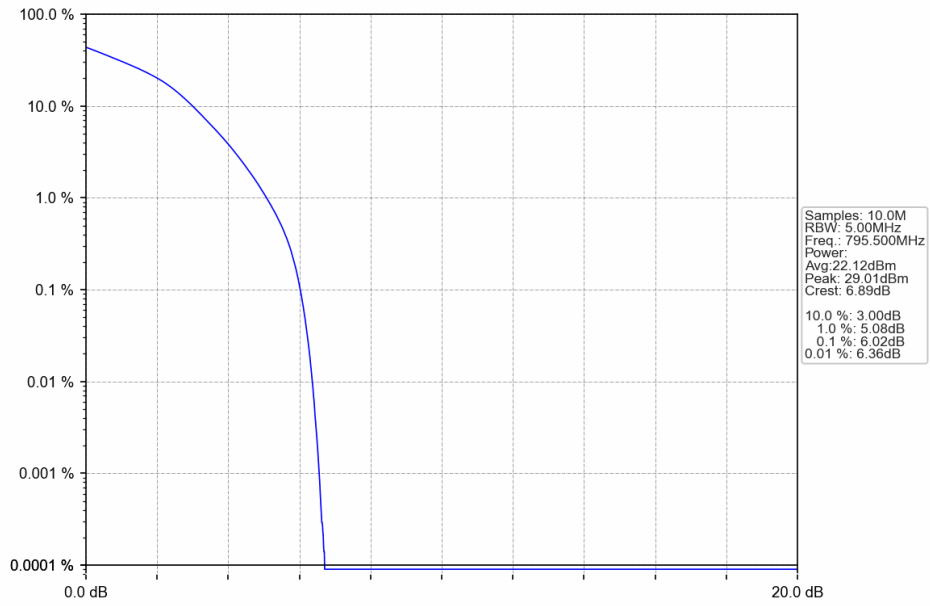


Band14\_5MHz\_64QAM\_MCH\_793MHz\_RB\_25\_0\_NTNV





Band14\_5MHz\_64QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV

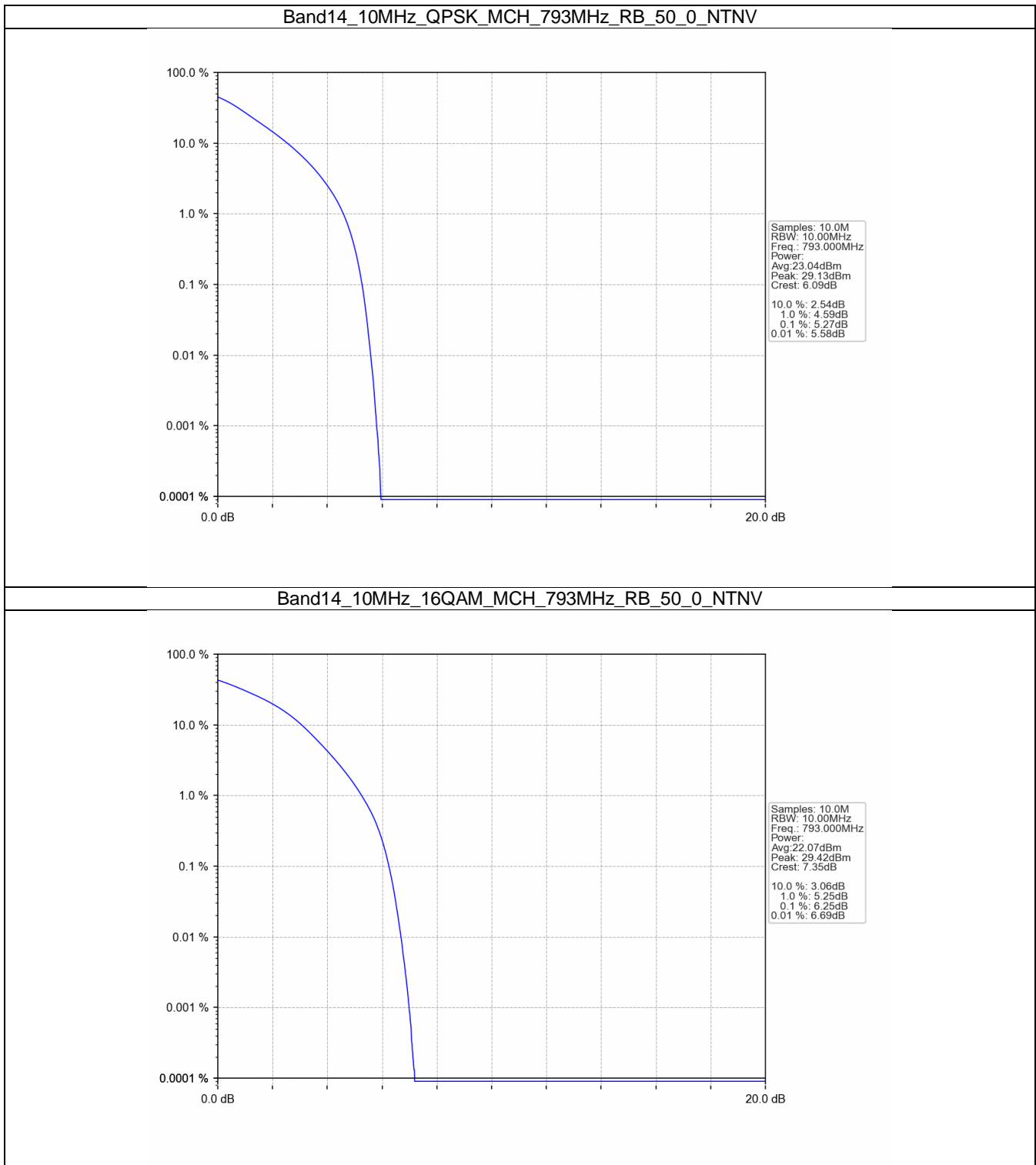


4.2 B14\_10MHz

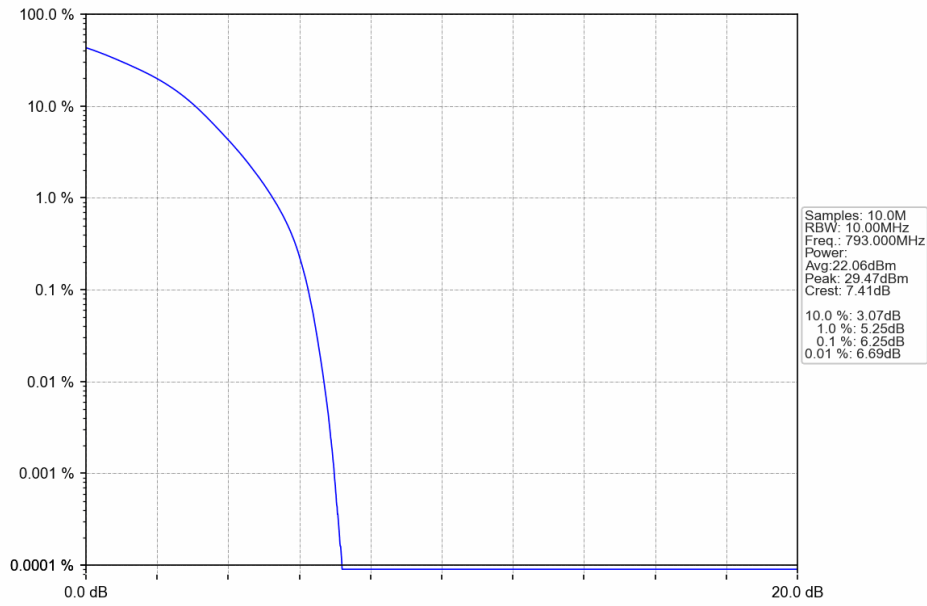
4.2.1 Test Result

Band: 14 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	793	50	0	5.27	<=13	Pass
16QAM	793	50	0	6.25	<=13	Pass
64QAM	793	50	0	6.25	<=13	Pass

4.2.2 Test Graph



Band14\_10MHz\_64QAM\_MCH\_793MHz\_RB\_50\_0\_NTNV



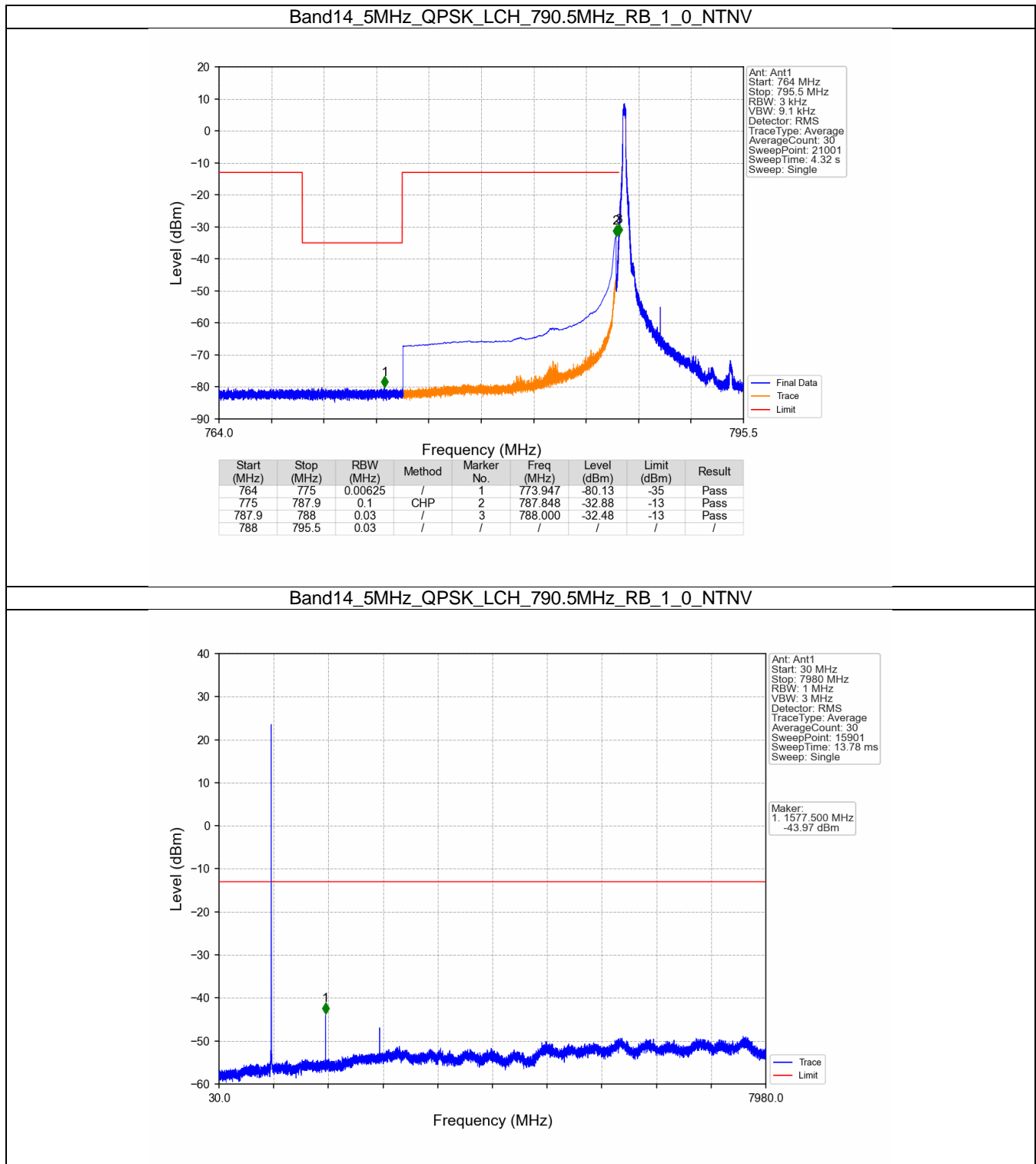
## 5. Spurious Emission

### 5.1 B14\_5MHz

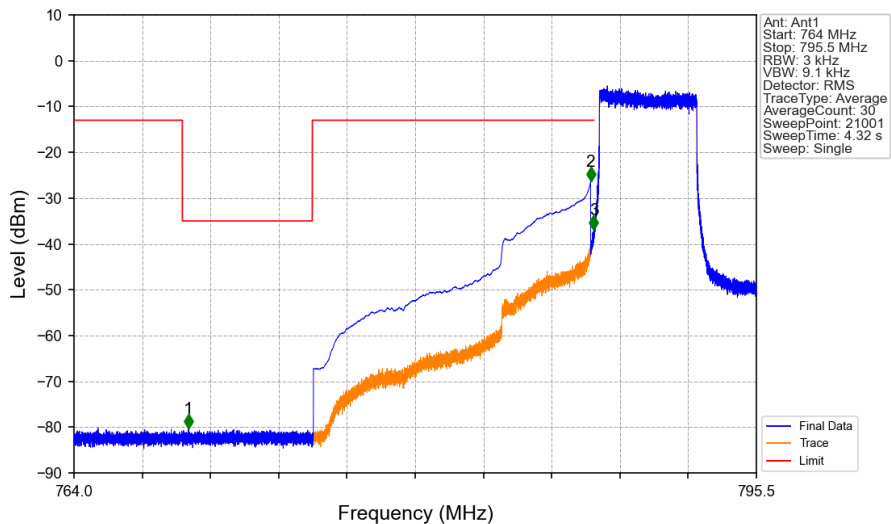
#### 5.1.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	790.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	795.5	793	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	790.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	795.5	793	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	
64QAM	790.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	795.5	793	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	

5.1.2 Test Graph

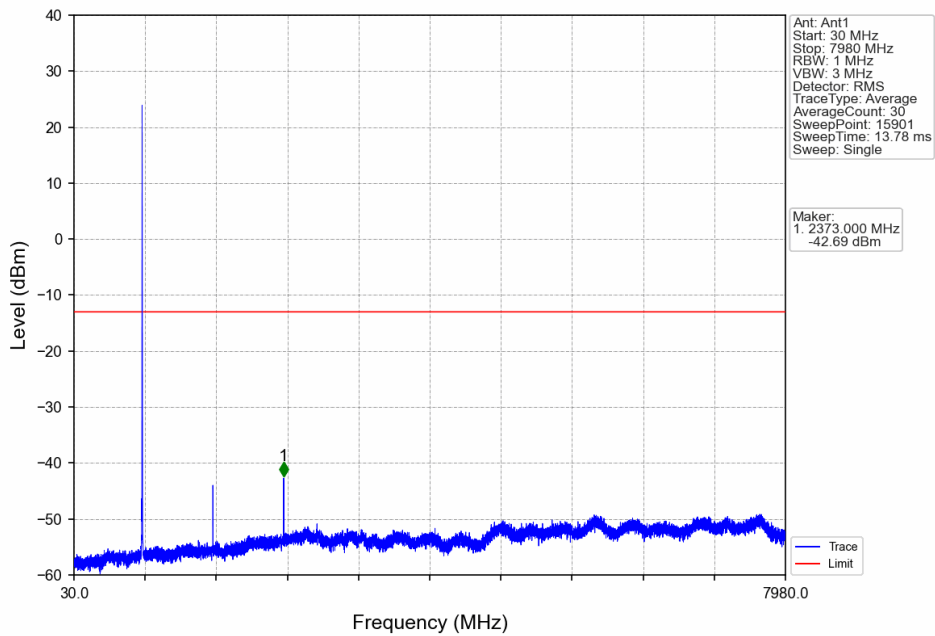


Band14\_5MHz\_QPSK\_LCH\_790.5MHz\_RB\_25\_0\_NTNV



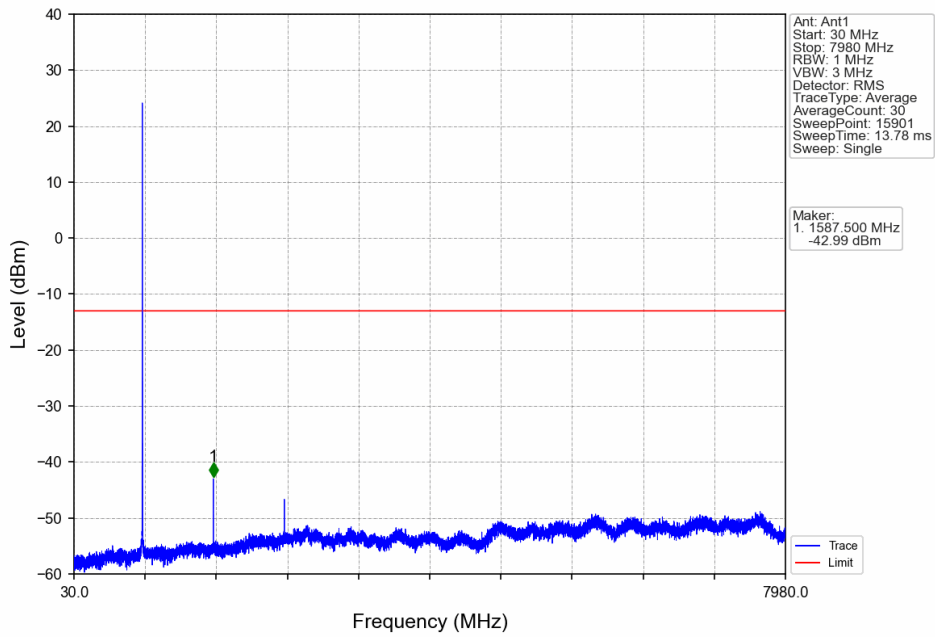
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	769.284	-80.36	-35	Pass
775	787.9	0.1	CHP	2	787.848	-26.36	-13	Pass
787.9	788	0.03	/	3	787.997	-36.91	-13	Pass
788	795.5	0.03	/	/	/	/	/	/

Band14\_5MHz\_QPSK\_MCH\_793MHz\_RB\_1\_0\_NTNV

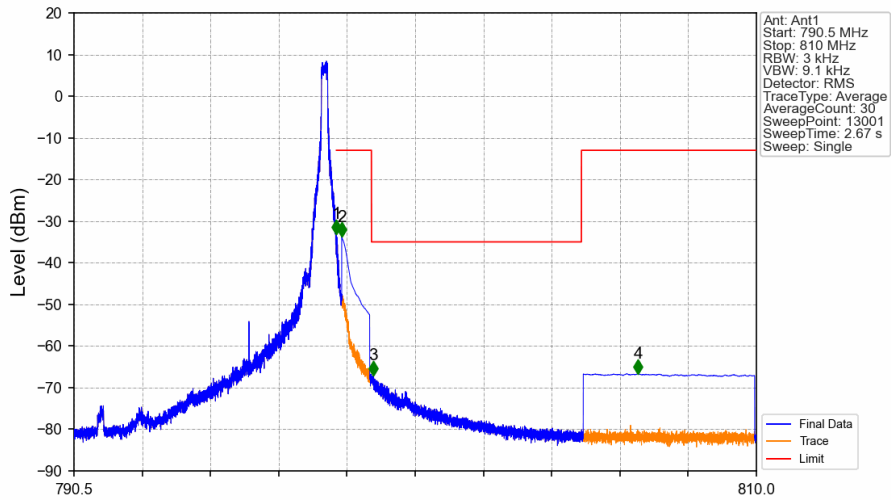


Maker:  
1. 2373.000 MHz  
-42.69 dBm

Band14\_5MHz\_QPSK\_HCH\_795.5MHz\_RB\_1\_0\_NTNV



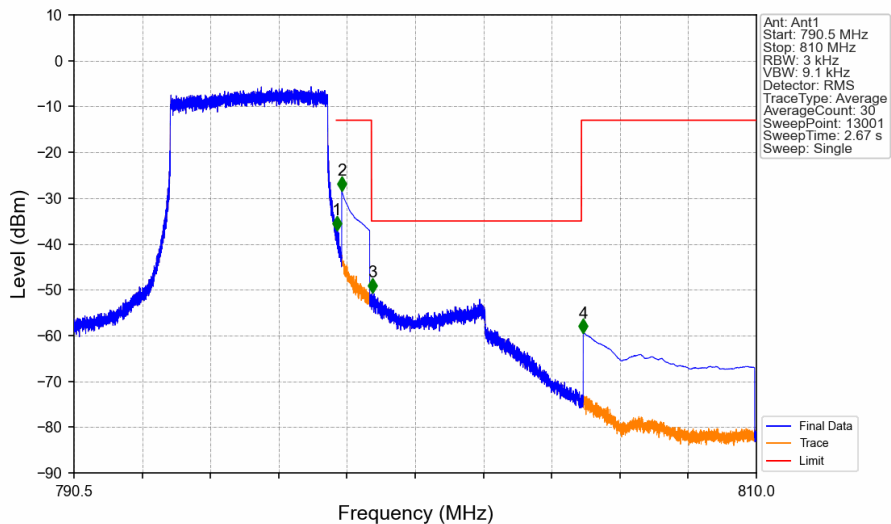
Band14\_5MHz\_QPSK\_HCH\_795.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
790.5	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	1	798.000	-33.06	-13	Pass
798.1	799	0.1	CHP	2	798.152	-33.77	-13	Pass
799	805	0.00625	/	3	799.058	-67.03	-35	Pass
805	810	0.1	CHP	4	806.622	-66.62	-13	Pass

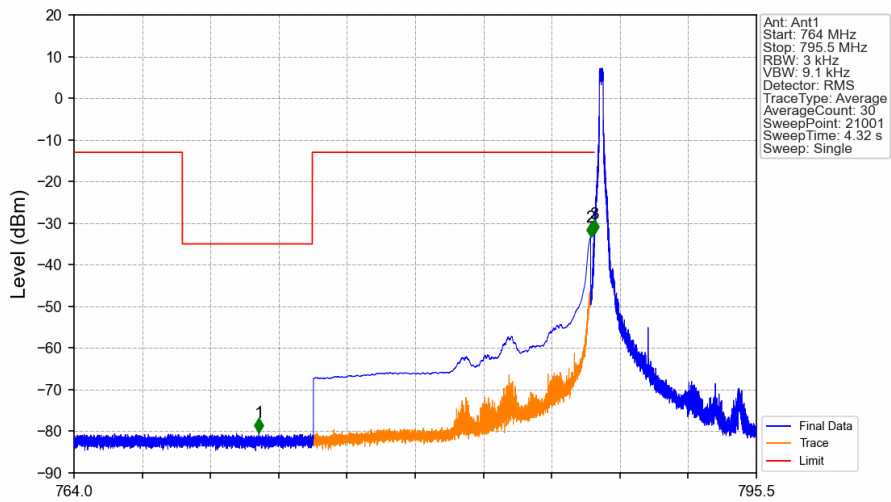


Band14\_5MHz\_QPSK\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



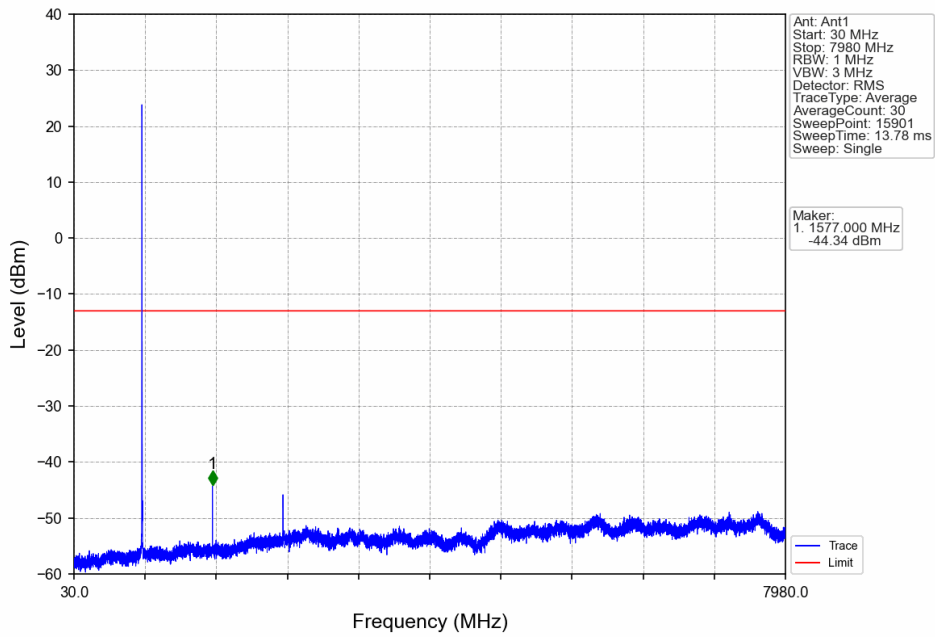
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
790.5	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	1	798.015	-37.00	-13	Pass
798.1	799	0.1	CHP	2	798.152	-28.37	-13	Pass
799	805	0.00625	/	3	799.019	-50.61	-35	Pass
805	810	0.1	CHP	4	805.052	-59.48	-13	Pass

Band14\_5MHz\_16QAM\_LCH\_790.5MHz\_RB\_1\_0\_NTNV

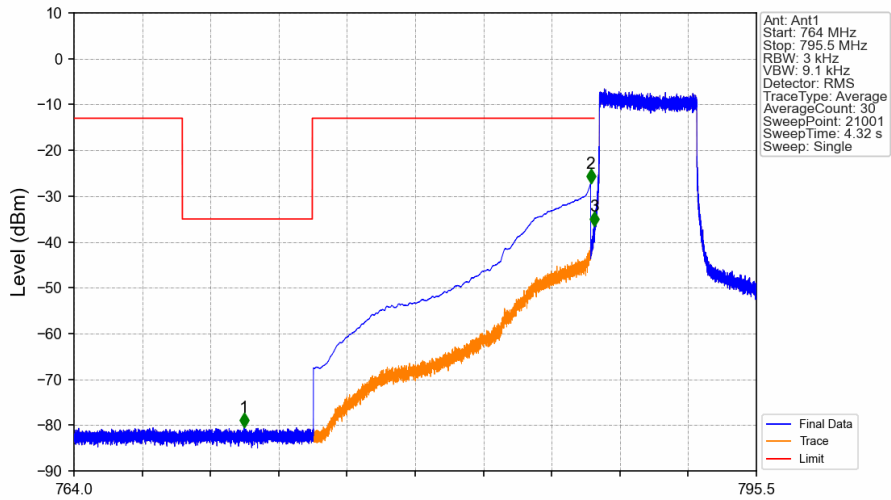


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	772.539	-80.32	-35	Pass
775	787.9	0.1	CHP	2	787.848	-33.38	-13	Pass
787.9	788	0.03	/	3	788.000	-32.63	-13	Pass
788	795.5	0.03	/	/	/	/	/	/

Band14\_5MHz\_16QAM\_LCH\_790.5MHz\_RB\_1\_0\_NTNV

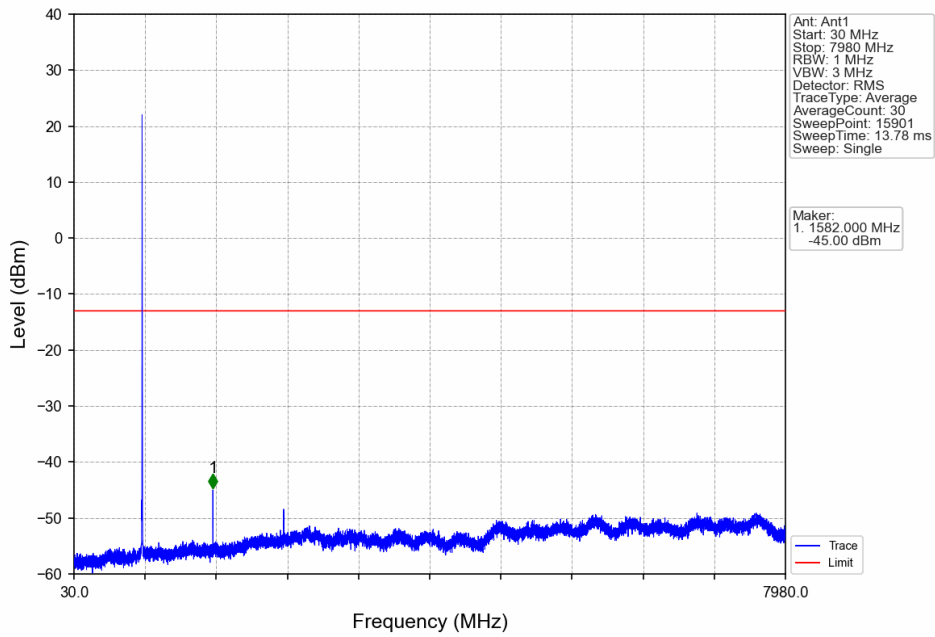


Band14\_5MHz\_16QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV

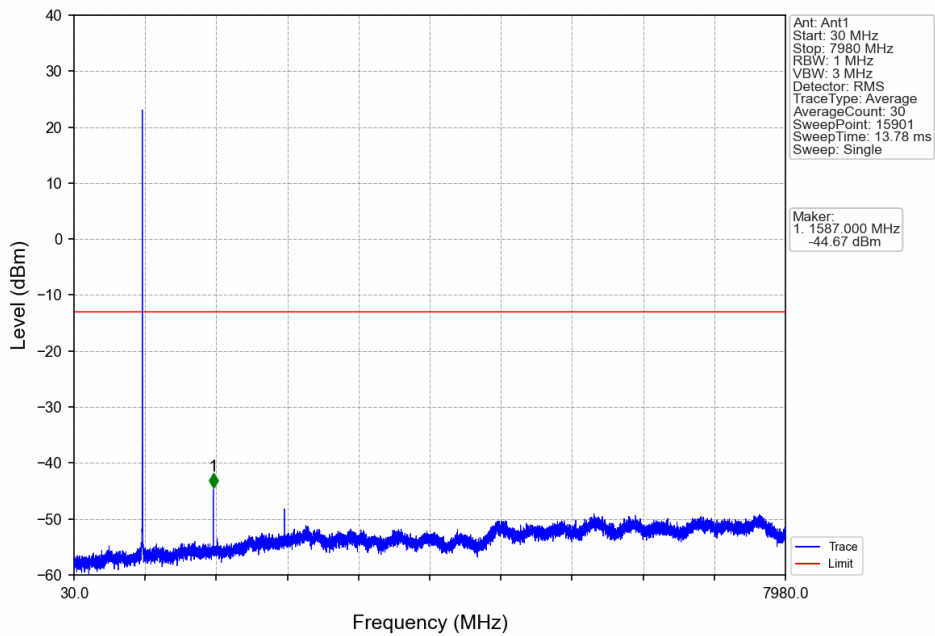


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	771.859	-80.53	-35	Pass
775	787.9	0.1	CHP	2	787.848	-27.27	-13	Pass
787.9	788	0.03	/	3	788.000	-36.61	-13	Pass
788	795.5	0.03	/	/	/	/	/	/

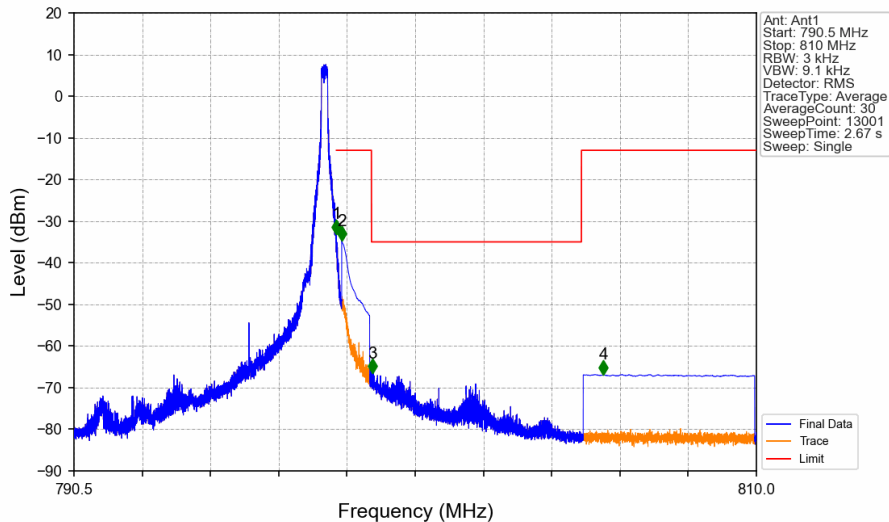
Band14\_5MHz\_16QAM\_MCH\_793MHz\_RB\_1\_0\_NTNV



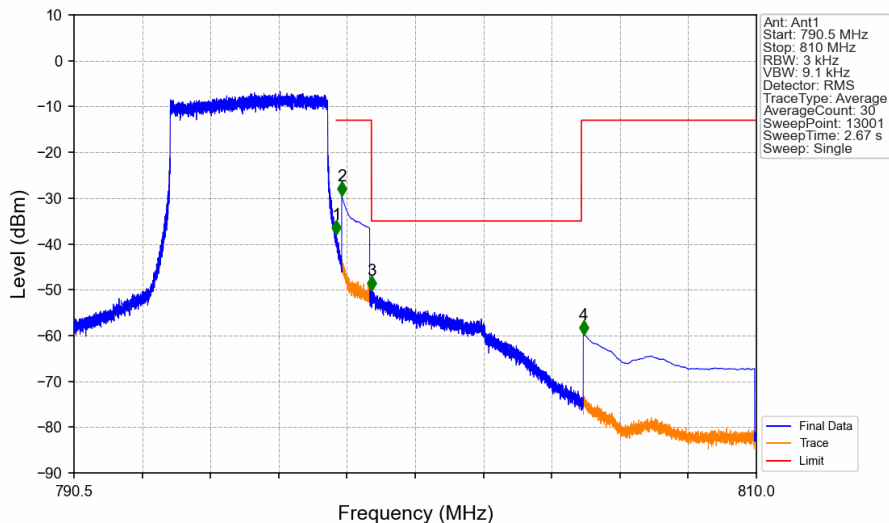
Band14\_5MHz\_16QAM\_HCH\_795.5MHz\_RB\_1\_0\_NTNV



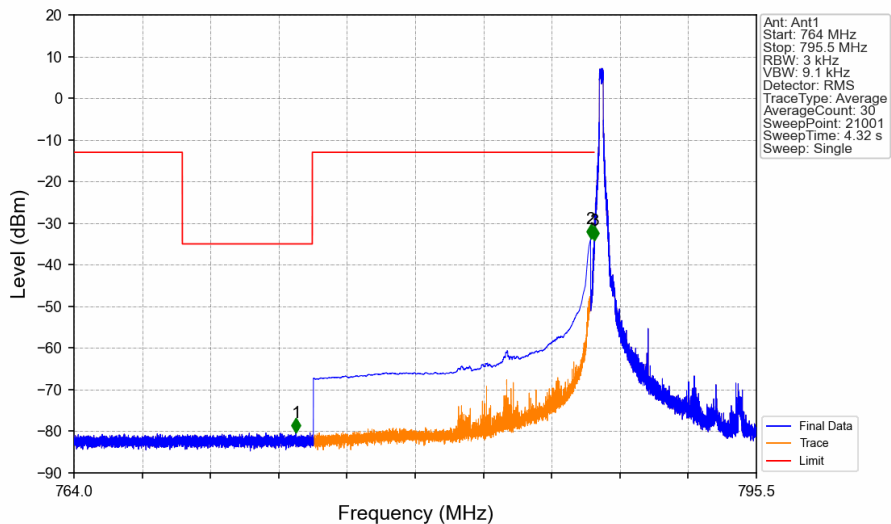
### Band14\_5MHz\_16QAM\_HCH\_795.5MHz\_RB\_1\_24\_NTNV



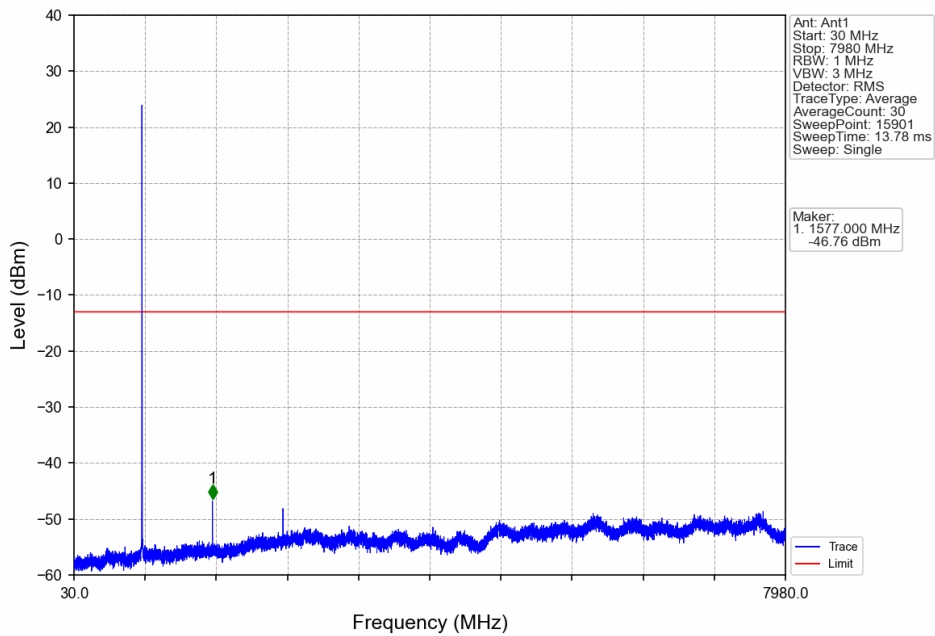
### Band14\_5MHz\_16QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



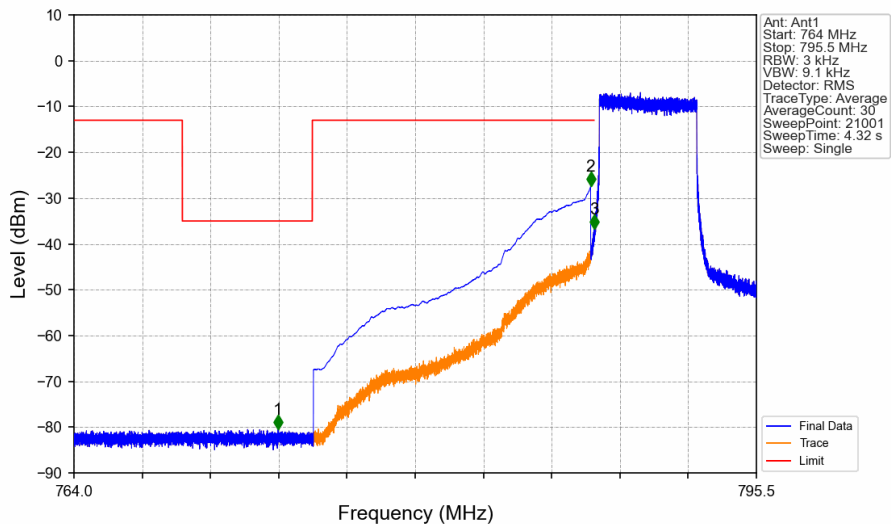
Band14\_5MHz\_64QAM\_LCH\_790.5MHz\_RB\_1\_0\_NTNV



Band14\_5MHz\_64QAM\_LCH\_790.5MHz\_RB\_1\_0\_NTNV

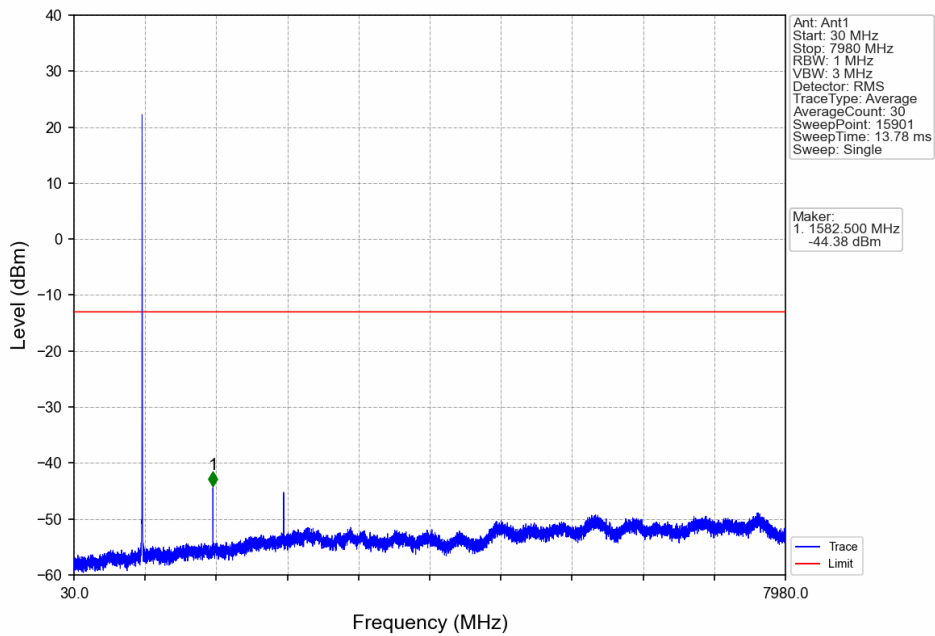


Band14\_5MHz\_64QAM\_LCH\_790.5MHz\_RB\_25\_0\_NTNV

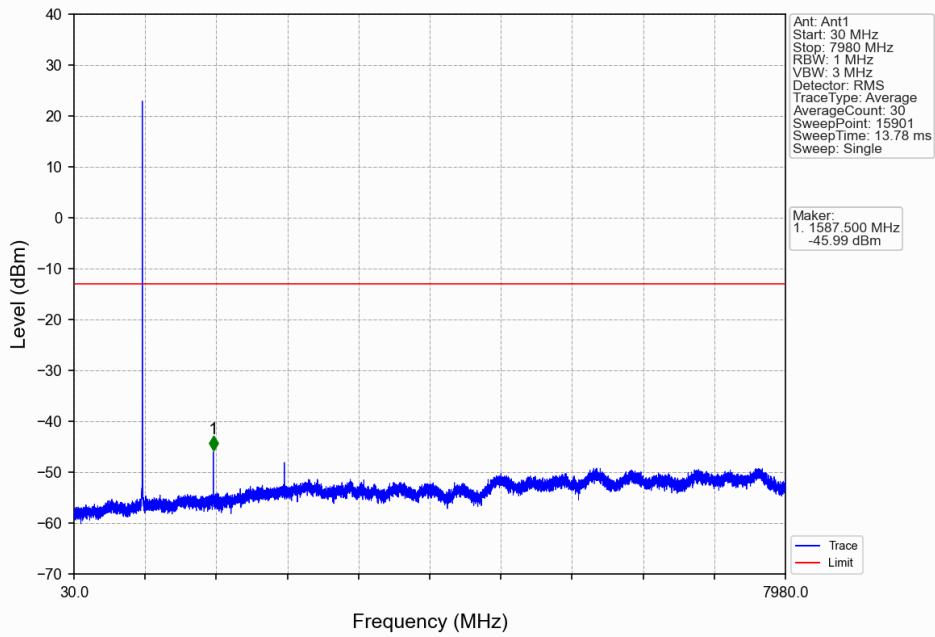


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	773.420	-80.48	-35	Pass
775	787.9	0.1	CHP	2	787.848	-27.42	-13	Pass
787.9	788	0.03	/	3	787.999	-36.70	-13	Pass
788	795.5	0.03	/	/	/	/	/	/

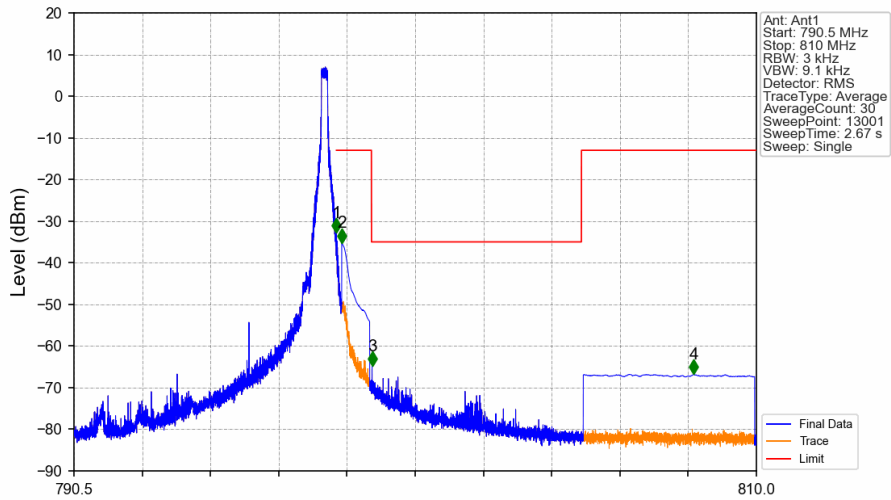
Band14\_5MHz\_64QAM\_MCH\_793MHz\_RB\_1\_0\_NTNV



Band14\_5MHz\_64QAM\_HCH\_795.5MHz\_RB\_1\_0\_NTNV

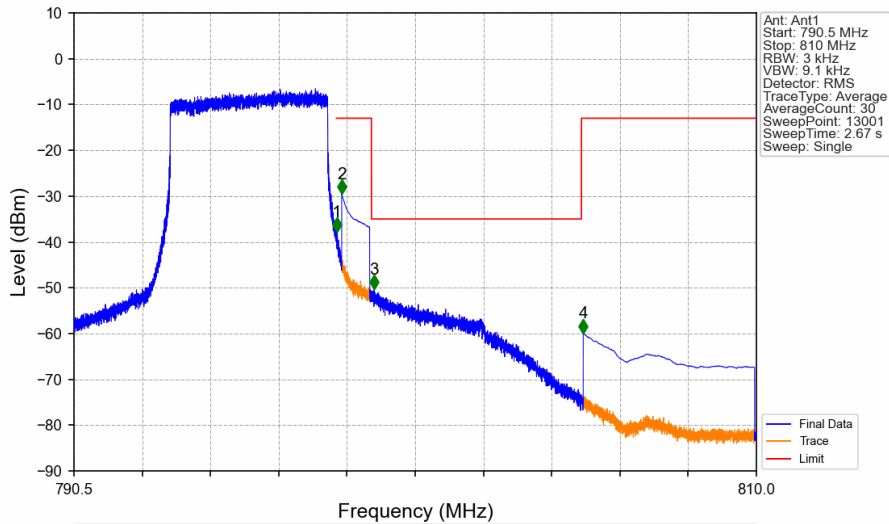


Band14\_5MHz\_64QAM\_HCH\_795.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
790.5	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	1	798.000	-32.81	-13	Pass
798.1	799	0.1	CHP	2	798.152	-35.21	-13	Pass
799	805	0.00625	/	3	799.017	-64.84	-35	Pass
805	810	0.1	CHP	4	808.213	-66.78	-13	Pass

Band14\_5MHz\_64QAM\_HCH\_795.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
790.5	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	1	798.015	-37.79	-13	Pass
798.1	799	0.1	CHP	2	798.152	-29.58	-13	Pass
799	805	0.00625	/	3	799.078	-50.29	-35	Pass
805	810	0.1	CHP	4	805.052	-59.95	-13	Pass

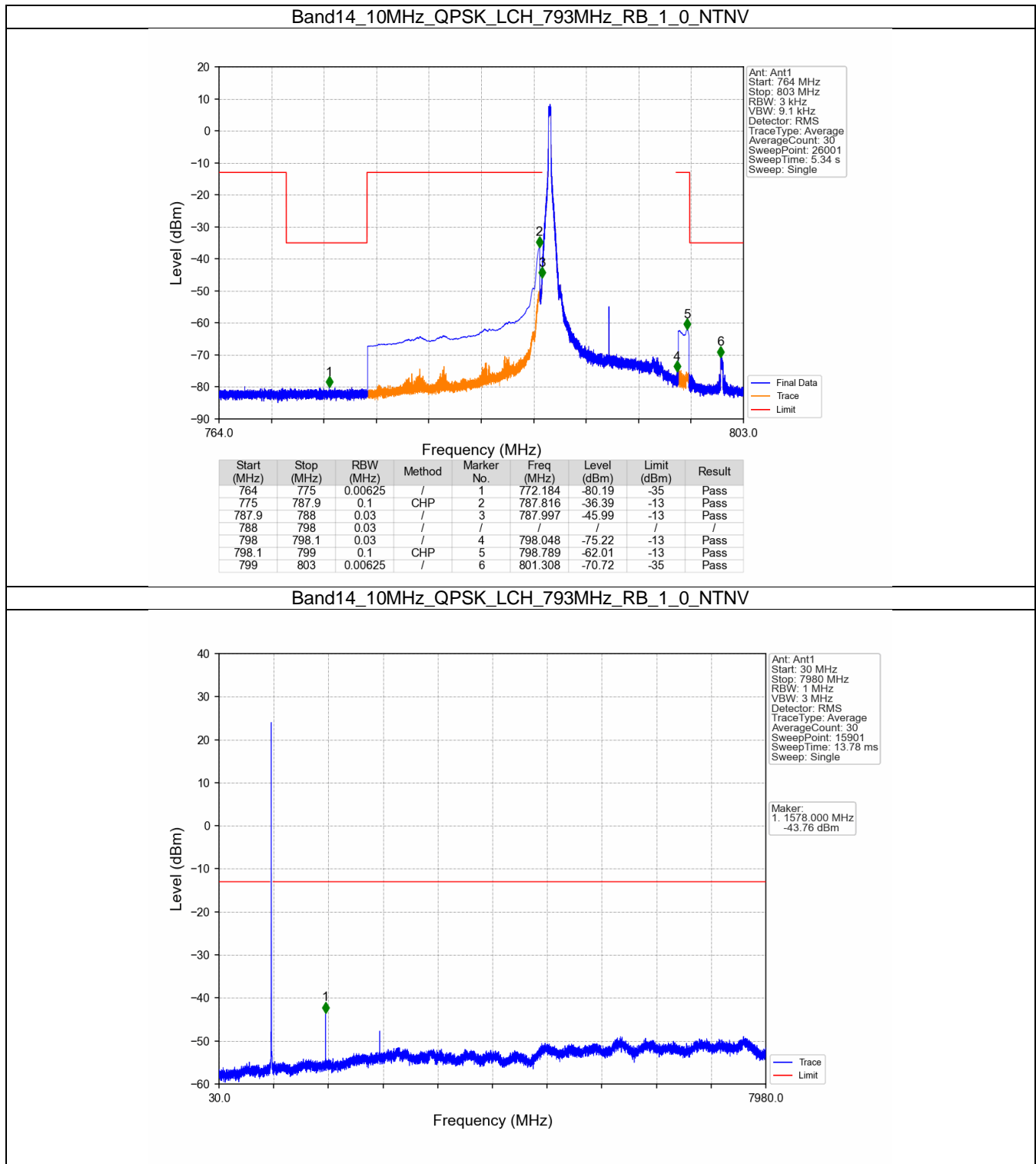


5.2 B14\_10MHz

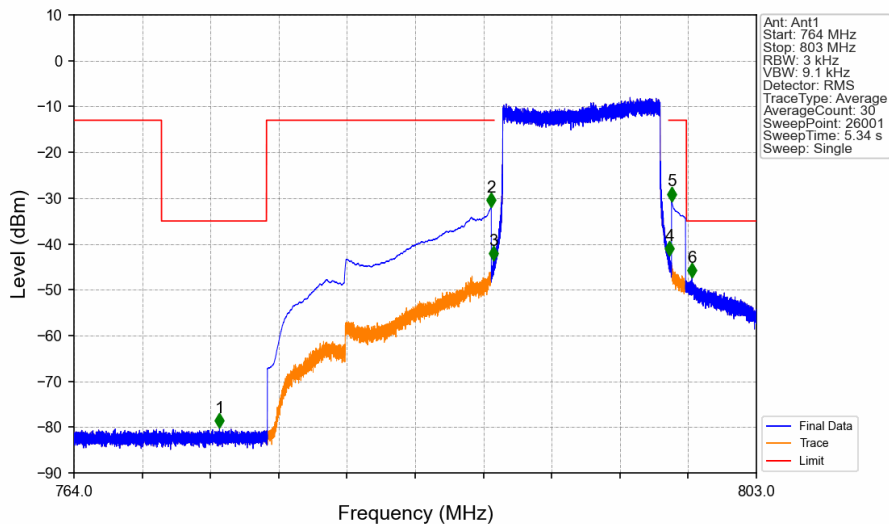
5.2.1 Test Result

Band: 14 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	793	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	793	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	793	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	793	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	793	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	793	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2.2 Test Graph

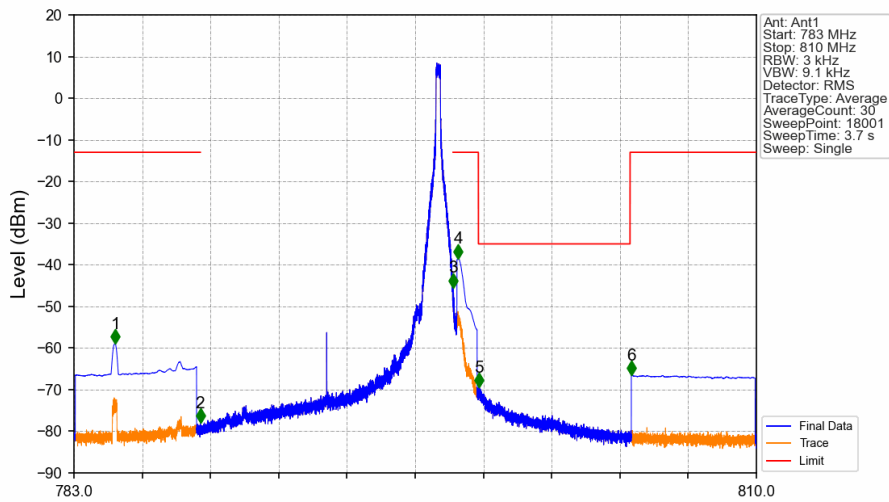


Band14\_10MHz\_QPSK\_LCH\_793MHz\_RB\_50\_0\_NTNV



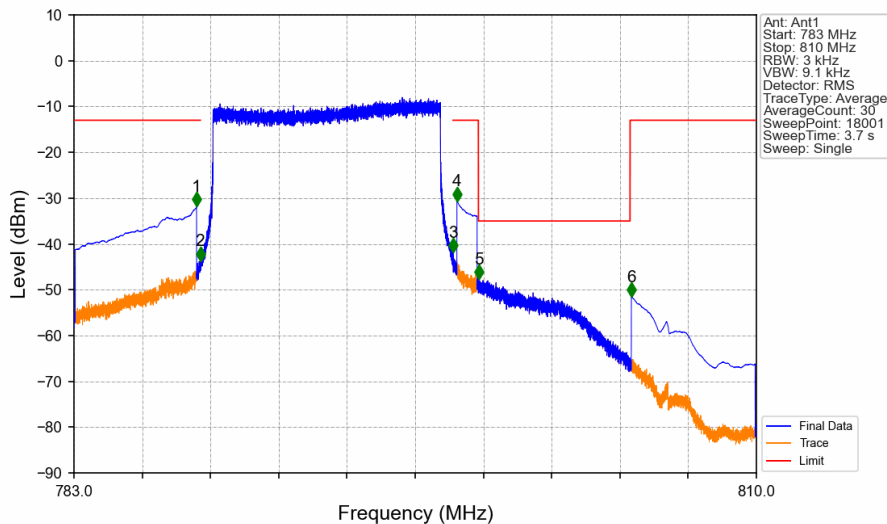
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	772.319	-80.19	-35	Pass
775	787.9	0.1	CHP	2	787.848	-31.94	-13	Pass
787.9	788	0.03	/	3	787.981	-43.64	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	4	798.032	-42.58	-13	Pass
798.1	799	0.1	CHP	5	798.150	-30.66	-13	Pass
799	803	0.00625	/	6	799.321	-47.36	-35	Pass

Band14\_10MHz\_QPSK\_HCH\_793MHz\_RB\_1\_49\_NTNV



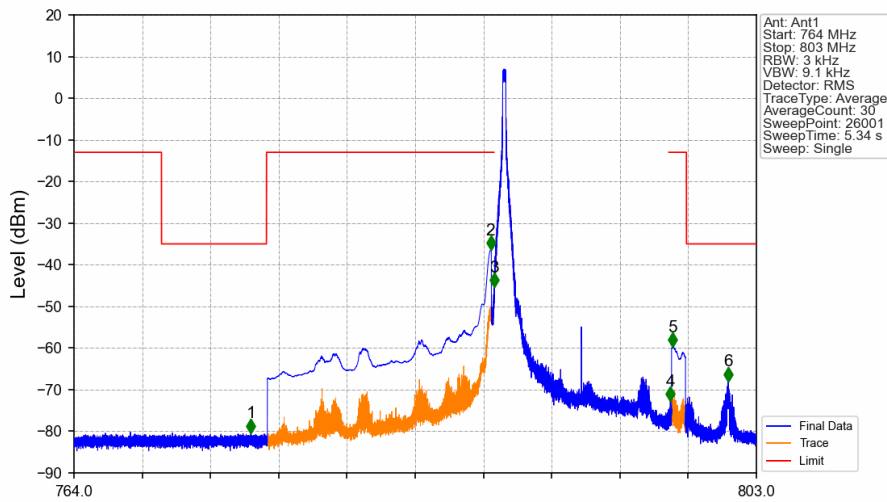
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
783	787.9	0.1	CHP	1	784.634	-58.94	-13	Pass
787.9	788	0.03	/	2	787.998	-78.04	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	3	798.005	-45.51	-13	Pass
798.1	799	0.1	CHP	4	798.197	-38.50	-13	Pass
799	805	0.00625	/	5	799.019	-69.46	-35	Pass
805	810	0.1	CHP	6	805.065	-66.54	-13	Pass

Band14\_10MHz\_QPSK\_HCH\_793MHz\_RB\_50\_0\_NTNV



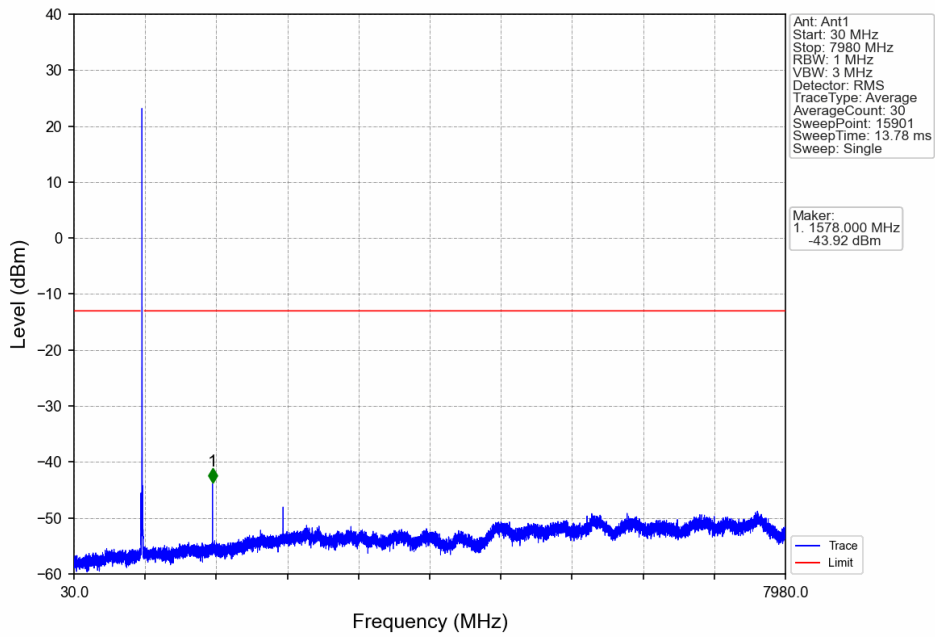
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
783	787.9	0.1	CHP	1	787.850	-31.87	-13	Pass
787.9	788	0.03	/	2	787.996	-43.73	-13	Pass
788	798.1	0.03	/	3	798.000	-41.93	-13	Pass
798.1	799	0.1	CHP	4	798.152	-30.68	-13	Pass
799	805	0.00625	/	5	799.008	-47.69	-35	Pass
805	810	0.1	CHP	6	805.053	-51.54	-13	Pass

Band14\_10MHz\_16QAM\_LCH\_793MHz\_RB\_1\_0\_NTNV

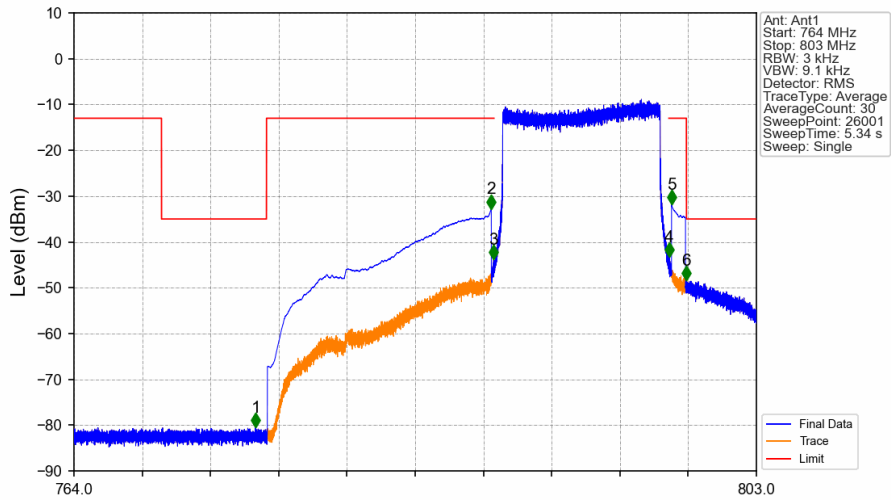


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	774.107	-80.41	-35	Pass
775	787.9	0.1	CHP	2	787.814	-36.53	-13	Pass
787.9	788	0.03	/	3	787.995	-45.35	-13	Pass
788	798.1	0.03	/	4	798.082	-72.74	-13	Pass
798.1	799	0.1	CHP	5	798.197	-59.73	-13	Pass
799	803	0.00625	/	6	801.370	-68.01	-35	Pass

Band14\_10MHz\_16QAM\_LCH\_793MHz\_RB\_1\_0\_NTNV

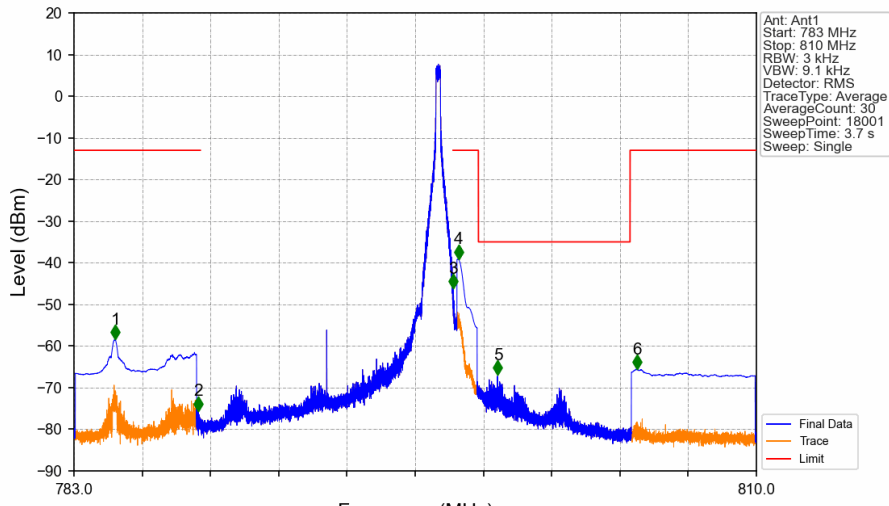


Band14\_10MHz\_16QAM\_LCH\_793MHz\_RB\_50\_0\_NTNV



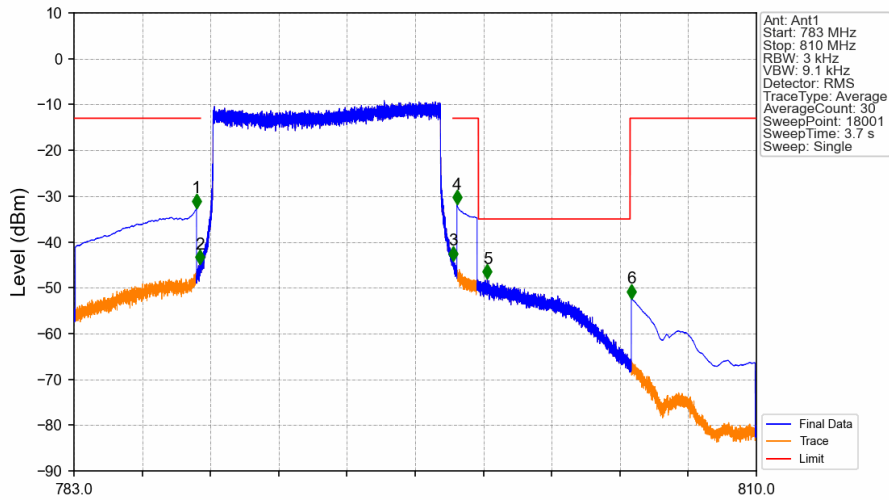
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	774.375	-80.49	-35	Pass
775	787.9	0.1	CHP	2	787.848	-32.77	-13	Pass
787.9	788	0.03	/	3	787.984	-43.87	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	4	798.019	-43.23	-13	Pass
798.1	799	0.1	CHP	5	798.150	-31.86	-13	Pass
799	803	0.00625	/	6	799.007	-48.45	-35	Pass

## Band14\_10MHz\_16QAM\_HCH\_793MHz\_RB\_1\_49\_NTNV



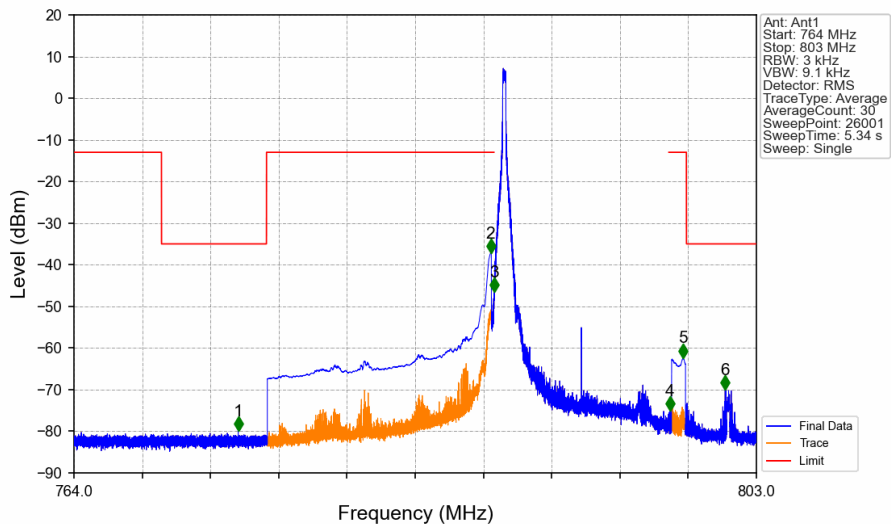
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
783	787.9	0.1	CHP	1	784.635	-58.44	-13	Pass
787.9	788	0.03	/	2	787.918	-75.55	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	3	798.003	-46.11	-13	Pass
798.1	799	0.1	CHP	4	798.213	-39.07	-13	Pass
799	805	0.00625	/	5	799.770	-66.94	-35	Pass
805	810	0.1	CHP	6	805.277	-65.53	-13	Pass

## Band14\_10MHz\_16QAM\_HCH\_793MHz\_RB\_50\_0\_NTNV



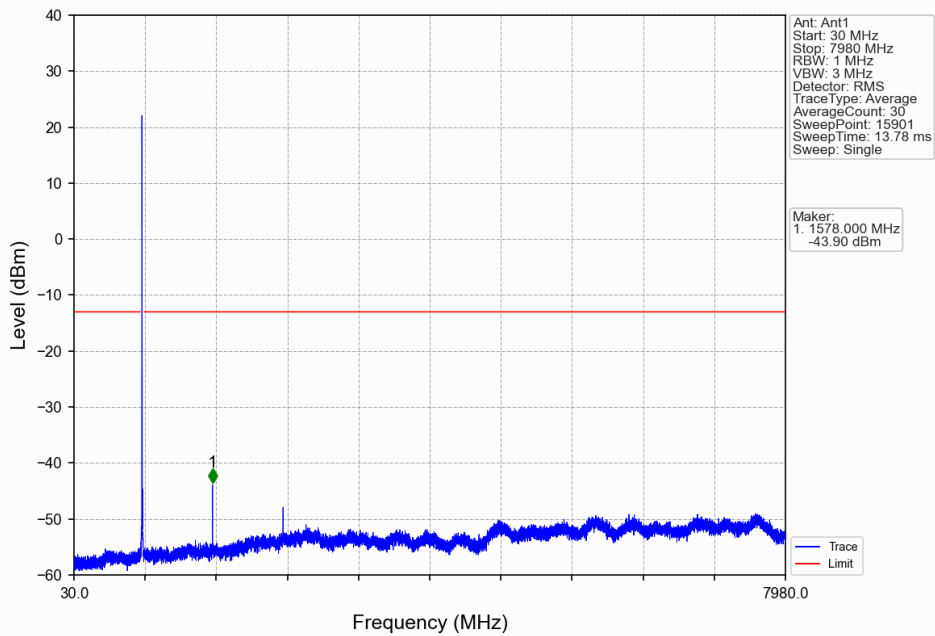
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
783	787.9	0.1	CHP	1	787.850	-32.62	-13	Pass
787.9	788	0.03	/	2	787.985	-44.85	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	3	798.001	-44.07	-13	Pass
798.1	799	0.1	CHP	4	798.152	-31.87	-13	Pass
799	805	0.00625	/	5	799.353	-47.98	-35	Pass
805	810	0.1	CHP	6	805.052	-52.36	-13	Pass

Band14\_10MHz\_64QAM\_LCH\_793MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	773.383	-79.87	-35	Pass
775	787.9	0.1	CHP	2	787.812	-37.19	-13	Pass
787.9	788	0.03	/	3	787.999	-46.50	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	4	798.065	-75.08	-13	Pass
798.1	799	0.1	CHP	5	798.797	-62.37	-13	Pass
799	803	0.00625	/	6	801.215	-70.00	-35	Pass

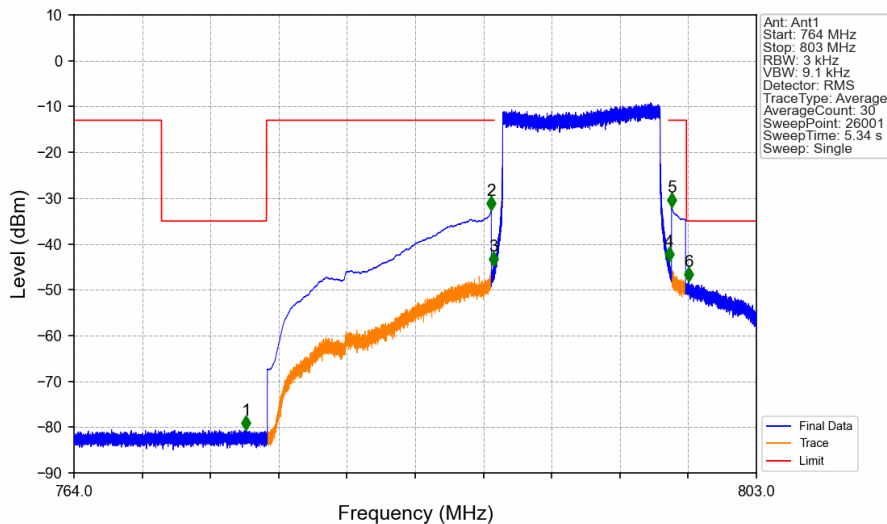
Band14\_10MHz\_64QAM\_LCH\_793MHz\_RB\_1\_0\_NTNV



Ant: Ant1  
 Start: 30 MHz  
 Stop: 7980 MHz  
 RBW: 1 MHz  
 VBW: 3 MHz  
 Detector: RMS  
 Trace Type: Average  
 AverageCount: 30  
 SweepPoint: 15901  
 SweepTime: 13.78 ms  
 Sweep: Single

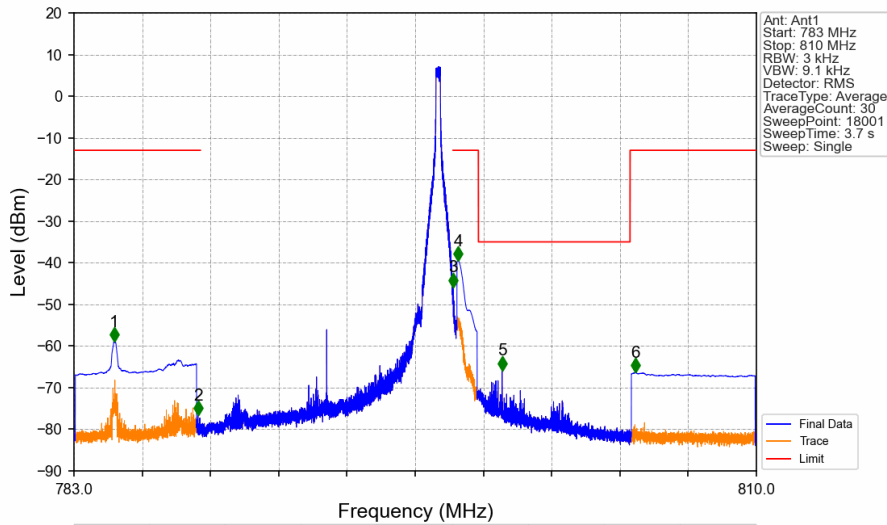
Marker:  
 1: 1578.000 MHz  
 -43.90 dBm

## Band14\_10MHz\_64QAM\_LCH\_793MHz\_RB\_50\_0\_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
764	775	0.00625	/	1	773.830	-80.64	-35	Pass
775	787.9	0.1	CHP	2	787.848	-32.75	-13	Pass
787.9	788	0.03	/	3	787.970	-44.81	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	4	798.017	-43.77	-13	Pass
798.1	799	0.1	CHP	5	798.150	-32.03	-13	Pass
799	803	0.00625	/	6	799.142	-48.24	-35	Pass

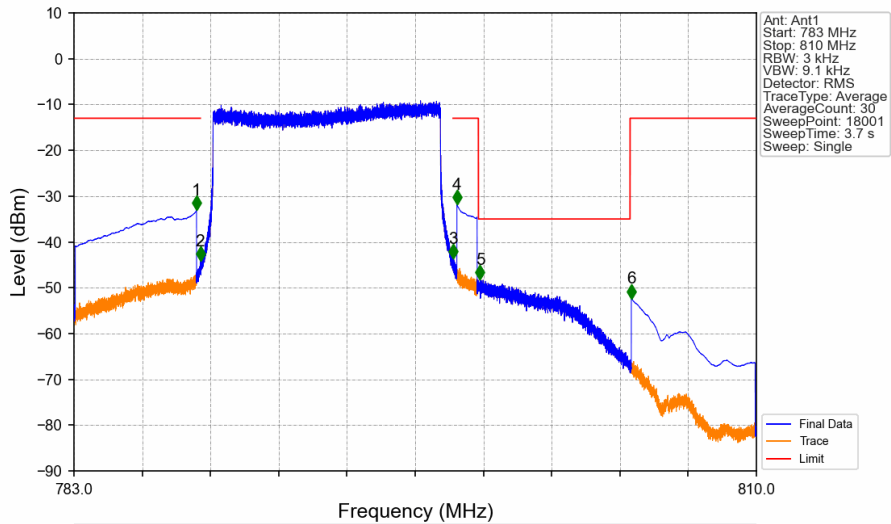
## Band14\_10MHz\_64QAM\_HCH\_793MHz\_RB\_1\_49\_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
783	787.9	0.1	CHP	1	784.586	-58.93	-13	Pass
787.9	788	0.03	/	2	787.905	-76.57	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	3	798.003	-45.86	-13	Pass
798.1	799	0.1	CHP	4	798.201	-39.58	-13	Pass
799	805	0.00625	/	5	799.937	-65.85	-35	Pass
805	810	0.1	CHP	6	805.203	-66.40	-13	Pass



Band14\_10MHz\_64QAM\_HCH\_793MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
783	787.9	0.1	CHP	1	787.850	-32.99	-13	Pass
787.9	788	0.03	/	2	788.000	-44.10	-13	Pass
788	798	0.03	/	/	/	/	/	/
798	798.1	0.03	/	3	798.015	-43.58	-13	Pass
798.1	799	0.1	CHP	4	798.152	-31.87	-13	Pass
799	805	0.00625	/	5	799.067	-48.22	-35	Pass
805	810	0.1	CHP	6	805.052	-52.34	-13	Pass