



# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B66\_1.4MHz\_EIRP

### 1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	22.80	1.59	24.39	<=30	Pass		
			2	22.78	1.59	24.37	<=30	Pass		
			5	22.37	1.59	23.96	<=30	Pass		
		3	0	22.48	1.59	24.07	<=30	Pass		
			2	22.48	1.59	24.07	<=30	Pass		
			3	22.54	1.59	24.13	<=30	Pass		
		6	0	21.45	1.59	23.04	<=30	Pass		
		1745	1	0	22.33	1.59	23.92	<=30	Pass	
				2	22.41	1.59	24.00	<=30	Pass	
	5			22.28	1.59	23.87	<=30	Pass		
	3		0	22.52	1.59	24.11	<=30	Pass		
			2	22.52	1.59	24.11	<=30	Pass		
			3	22.49	1.59	24.08	<=30	Pass		
	6		0	21.49	1.59	23.08	<=30	Pass		
	1779.3		1	0	22.24	1.59	23.83	<=30	Pass	
				2	22.30	1.59	23.89	<=30	Pass	
		5		22.28	1.59	23.87	<=30	Pass		
		3	0	22.33	1.59	23.92	<=30	Pass		
			2	22.34	1.59	23.93	<=30	Pass		
			3	22.31	1.59	23.90	<=30	Pass		
		6	0	21.43	1.59	23.02	<=30	Pass		
		16QAM	1710.7	1	0	21.36	1.59	22.95	<=30	Pass
					2	21.45	1.59	23.04	<=30	Pass
	5				21.43	1.59	23.02	<=30	Pass	
3	0			21.62	1.59	23.21	<=30	Pass		
	2			21.60	1.59	23.19	<=30	Pass		
	3			21.62	1.59	23.21	<=30	Pass		
6	0			20.44	1.59	22.03	<=30	Pass		
1745	1			0	21.57	1.59	23.16	<=30	Pass	
				2	21.63	1.59	23.22	<=30	Pass	
			5	21.55	1.59	23.14	<=30	Pass		
	3		0	21.55	1.59	23.14	<=30	Pass		
			2	21.54	1.59	23.13	<=30	Pass		
			3	21.56	1.59	23.15	<=30	Pass		
	6		0	20.62	1.59	22.21	<=30	Pass		
	1779.3		1	0	21.13	1.59	22.72	<=30	Pass	
				2	21.17	1.59	22.76	<=30	Pass	
5				21.14	1.59	22.73	<=30	Pass		
3			0	21.43	1.59	23.02	<=30	Pass		
			2	21.46	1.59	23.05	<=30	Pass		
			3	21.46	1.59	23.05	<=30	Pass		
6			0	20.38	1.59	21.97	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B66\_3MHz\_EIRP



1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	22.16	1.59	23.75	<=30	Pass		
			7	22.27	1.59	23.86	<=30	Pass		
			14	22.16	1.59	23.75	<=30	Pass		
		8	0	21.39	1.59	22.98	<=30	Pass		
			4	21.44	1.59	23.03	<=30	Pass		
			7	21.36	1.59	22.95	<=30	Pass		
		15	0	21.44	1.59	23.03	<=30	Pass		
		1745	1	0	22.26	1.59	23.85	<=30	Pass	
				7	22.38	1.59	23.97	<=30	Pass	
	14			22.23	1.59	23.82	<=30	Pass		
	8		0	21.48	1.59	23.07	<=30	Pass		
			4	21.48	1.59	23.07	<=30	Pass		
			7	21.41	1.59	23.00	<=30	Pass		
	15		0	21.47	1.59	23.06	<=30	Pass		
	1778.5		1	0	22.09	1.59	23.68	<=30	Pass	
				7	22.27	1.59	23.86	<=30	Pass	
		14		22.19	1.59	23.78	<=30	Pass		
		8	0	21.33	1.59	22.92	<=30	Pass		
			4	21.42	1.59	23.01	<=30	Pass		
			7	21.36	1.59	22.95	<=30	Pass		
		15	0	21.28	1.59	22.87	<=30	Pass		
		16QAM	1711.5	1	0	21.87	1.59	23.46	<=30	Pass
					7	21.96	1.59	23.55	<=30	Pass
	14				21.84	1.59	23.43	<=30	Pass	
8	0			20.61	1.59	22.20	<=30	Pass		
	4			20.70	1.59	22.29	<=30	Pass		
	7			20.64	1.59	22.23	<=30	Pass		
15	0			20.58	1.59	22.17	<=30	Pass		
1745	1			0	21.32	1.59	22.91	<=30	Pass	
				7	21.43	1.59	23.02	<=30	Pass	
			14	21.33	1.59	22.92	<=30	Pass		
	8		0	20.58	1.59	22.17	<=30	Pass		
			4	20.62	1.59	22.21	<=30	Pass		
			7	20.56	1.59	22.15	<=30	Pass		
	15		0	20.60	1.59	22.19	<=30	Pass		
	1778.5		1	0	21.26	1.59	22.85	<=30	Pass	
				7	21.40	1.59	22.99	<=30	Pass	
14				21.28	1.59	22.87	<=30	Pass		
8			0	20.30	1.59	21.89	<=30	Pass		
			4	20.36	1.59	21.95	<=30	Pass		
			7	20.30	1.59	21.89	<=30	Pass		
15			0	20.25	1.59	21.84	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B66\_5MHz\_EIRP

1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict



	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit		
QPSK	1712.5	1	0	22.49	1.59	24.08	<=30	Pass	
			13	22.69	1.59	24.28	<=30	Pass	
			24	22.54	1.59	24.13	<=30	Pass	
		12	0	21.48	1.59	23.07	<=30	Pass	
			6	21.54	1.59	23.13	<=30	Pass	
			13	21.57	1.59	23.16	<=30	Pass	
		25	0	21.58	1.59	23.17	<=30	Pass	
		1745	1	0	22.54	1.59	24.13	<=30	Pass
				13	22.63	1.59	24.22	<=30	Pass
	24			22.50	1.59	24.09	<=30	Pass	
	12		0	21.50	1.59	23.09	<=30	Pass	
			6	21.58	1.59	23.17	<=30	Pass	
			13	21.57	1.59	23.16	<=30	Pass	
	25		0	21.60	1.59	23.19	<=30	Pass	
	1777.5		1	0	22.36	1.59	23.95	<=30	Pass
				13	22.47	1.59	24.06	<=30	Pass
		24		22.38	1.59	23.97	<=30	Pass	
		12	0	21.27	1.59	22.86	<=30	Pass	
			6	21.42	1.59	23.01	<=30	Pass	
			13	21.47	1.59	23.06	<=30	Pass	
		25	0	21.42	1.59	23.01	<=30	Pass	
16QAM		1712.5	1	0	21.38	1.59	22.97	<=30	Pass
				13	21.55	1.59	23.14	<=30	Pass
	24			21.39	1.59	22.98	<=30	Pass	
	12		0	20.51	1.59	22.10	<=30	Pass	
			6	20.58	1.59	22.17	<=30	Pass	
			13	20.66	1.59	22.25	<=30	Pass	
	25		0	20.65	1.59	22.24	<=30	Pass	
	1745		1	0	21.62	1.59	23.21	<=30	Pass
				13	21.73	1.59	23.32	<=30	Pass
		24		21.63	1.59	23.22	<=30	Pass	
		12	0	20.59	1.59	22.18	<=30	Pass	
			6	20.64	1.59	22.23	<=30	Pass	
			13	20.62	1.59	22.21	<=30	Pass	
		25	0	20.69	1.59	22.28	<=30	Pass	
		1777.5	1	0	21.68	1.59	23.27	<=30	Pass
				13	21.73	1.59	23.32	<=30	Pass
	24			21.49	1.59	23.08	<=30	Pass	
	12		0	20.36	1.59	21.95	<=30	Pass	
			6	20.50	1.59	22.09	<=30	Pass	
			13	20.50	1.59	22.09	<=30	Pass	
	25		0	20.43	1.59	22.02	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

### 1.4 B66\_10MHz\_EIRP

#### 1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.46	1.59	24.05	<=30	Pass
			25	22.57	1.59	24.16	<=30	Pass
			49	22.54	1.59	24.13	<=30	Pass
		25	0	21.42	1.59	23.01	<=30	Pass



16QAM	1745	50	13	21.62	1.59	23.21	<=30	Pass	
			25	21.62	1.59	23.21	<=30	Pass	
		1	0	21.59	1.59	23.18	<=30	Pass	
			25	22.58	1.59	24.17	<=30	Pass	
			49	22.59	1.59	24.18	<=30	Pass	
		25	0	21.58	1.59	23.17	<=30	Pass	
			13	21.65	1.59	23.24	<=30	Pass	
			25	21.66	1.59	23.25	<=30	Pass	
		50	0	21.63	1.59	23.22	<=30	Pass	
		1775	1	0	22.44	1.59	24.03	<=30	Pass
				25	22.51	1.59	24.10	<=30	Pass
				49	22.57	1.59	24.16	<=30	Pass
	25		0	21.37	1.59	22.96	<=30	Pass	
			13	21.48	1.59	23.07	<=30	Pass	
			25	21.61	1.59	23.20	<=30	Pass	
	50		0	21.55	1.59	23.14	<=30	Pass	
	1715		1	0	21.76	1.59	23.35	<=30	Pass
				25	21.78	1.59	23.37	<=30	Pass
				49	21.77	1.59	23.36	<=30	Pass
			25	0	20.55	1.59	22.14	<=30	Pass
				13	20.71	1.59	22.30	<=30	Pass
		25		20.74	1.59	22.33	<=30	Pass	
		50	0	20.65	1.59	22.24	<=30	Pass	
		1745	1	0	22.21	1.59	23.80	<=30	Pass
25				22.28	1.59	23.87	<=30	Pass	
49				22.17	1.59	23.76	<=30	Pass	
25			0	20.69	1.59	22.28	<=30	Pass	
			13	20.79	1.59	22.38	<=30	Pass	
	25		20.82	1.59	22.41	<=30	Pass		
50	0	20.65	1.59	22.24	<=30	Pass			
1775	1	0	21.50	1.59	23.09	<=30	Pass		
		25	21.56	1.59	23.15	<=30	Pass		
		49	21.40	1.59	22.99	<=30	Pass		
	25	0	20.51	1.59	22.10	<=30	Pass		
		13	20.65	1.59	22.24	<=30	Pass		
		25	20.76	1.59	22.35	<=30	Pass		
50	0	20.63	1.59	22.22	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

### 1.5 B66\_15MHz\_EIRP

#### 1.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.47	1.59	24.06	<=30	Pass
			38	22.57	1.59	24.16	<=30	Pass
			74	22.61	1.59	24.20	<=30	Pass
		36	0	21.44	1.59	23.03	<=30	Pass
			18	21.59	1.59	23.18	<=30	Pass
			39	21.66	1.59	23.25	<=30	Pass
	75	0	21.60	1.59	23.19	<=30	Pass	
	1745	1	0	22.57	1.59	24.16	<=30	Pass
			38	22.64	1.59	24.23	<=30	Pass



		36	74	22.46	1.59	24.05	<=30	Pass		
			0	21.55	1.59	23.14	<=30	Pass		
			18	21.59	1.59	23.18	<=30	Pass		
			39	21.58	1.59	23.17	<=30	Pass		
		75	0	21.62	1.59	23.21	<=30	Pass		
			1	0	22.37	1.59	23.96	<=30	Pass	
				38	22.48	1.59	24.07	<=30	Pass	
		74		22.44	1.59	24.03	<=30	Pass		
		1772.5	36	0	21.50	1.59	23.09	<=30	Pass	
				18	21.46	1.59	23.05	<=30	Pass	
				39	21.62	1.59	23.21	<=30	Pass	
			75	0	21.60	1.59	23.19	<=30	Pass	
		16QAM	1717.5	1	0	22.14	1.59	23.73	<=30	Pass
					38	22.26	1.59	23.85	<=30	Pass
					74	22.04	1.59	23.63	<=30	Pass
36	0			20.51	1.59	22.10	<=30	Pass		
	18			20.67	1.59	22.26	<=30	Pass		
	39			20.69	1.59	22.28	<=30	Pass		
75	0			20.64	1.59	22.23	<=30	Pass		
1745	1			0	21.98	1.59	23.57	<=30	Pass	
				38	22.08	1.59	23.67	<=30	Pass	
				74	21.89	1.59	23.48	<=30	Pass	
	36			0	20.60	1.59	22.19	<=30	Pass	
				18	20.63	1.59	22.22	<=30	Pass	
			39	20.66	1.59	22.25	<=30	Pass		
75	0		20.59	1.59	22.18	<=30	Pass			
1772.5	1		0	21.57	1.59	23.16	<=30	Pass		
			38	21.72	1.59	23.31	<=30	Pass		
			74	21.51	1.59	23.10	<=30	Pass		
	36		0	20.52	1.59	22.11	<=30	Pass		
			18	20.51	1.59	22.10	<=30	Pass		
			39	20.64	1.59	22.23	<=30	Pass		
	75		0	20.63	1.59	22.22	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

### 1.6 B66\_20MHz\_EIRP

#### 1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.40	1.59	23.99	<=30	Pass
			50	22.61	1.59	24.20	<=30	Pass
			99	22.58	1.59	24.17	<=30	Pass
		50	0	21.43	1.59	23.02	<=30	Pass
			25	21.67	1.59	23.26	<=30	Pass
			50	21.57	1.59	23.16	<=30	Pass
	100	0	21.51	1.59	23.10	<=30	Pass	
	1745	1	0	22.41	1.59	24.00	<=30	Pass
			50	22.61	1.59	24.20	<=30	Pass
			99	22.39	1.59	23.98	<=30	Pass
		50	0	21.62	1.59	23.21	<=30	Pass
			25	21.70	1.59	23.29	<=30	Pass
			50	21.71	1.59	23.30	<=30	Pass
		100	0	21.67	1.59	23.26	<=30	Pass



	1770	1	0	22.33	1.59	23.92	<=30	Pass		
			50	22.52	1.59	24.11	<=30	Pass		
			99	22.36	1.59	23.95	<=30	Pass		
		50	0	21.69	1.59	23.28	<=30	Pass		
			25	21.53	1.59	23.12	<=30	Pass		
			50	21.76	1.59	23.35	<=30	Pass		
		100	0	21.72	1.59	23.31	<=30	Pass		
		16QAM	1720	1	0	21.74	1.59	23.33	<=30	Pass
					50	21.89	1.59	23.48	<=30	Pass
99	21.71				1.59	23.30	<=30	Pass		
50	0			20.46	1.59	22.05	<=30	Pass		
	25			20.69	1.59	22.28	<=30	Pass		
	50			20.59	1.59	22.18	<=30	Pass		
100	0			20.56	1.59	22.15	<=30	Pass		
1745	1			0	21.95	1.59	23.54	<=30	Pass	
				50	22.27	1.59	23.86	<=30	Pass	
			99	21.97	1.59	23.56	<=30	Pass		
	50		0	20.66	1.59	22.25	<=30	Pass		
			25	20.71	1.59	22.30	<=30	Pass		
			50	20.79	1.59	22.38	<=30	Pass		
	100		0	20.70	1.59	22.29	<=30	Pass		
	1770		1	0	21.41	1.59	23.00	<=30	Pass	
				50	21.74	1.59	23.33	<=30	Pass	
99				21.43	1.59	23.02	<=30	Pass		
50			0	20.70	1.59	22.29	<=30	Pass		
			25	20.59	1.59	22.18	<=30	Pass		
			50	20.77	1.59	22.36	<=30	Pass		
100			0	20.72	1.59	22.31	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

## 2. Frequency Stability

### 2.1 B66\_1.4MHz

#### 2.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	4.134	0.0024	-2.5 to 2.5	Pass
					3.85	-11.487	-0.0067	-2.5 to 2.5	Pass
					4.43	-2.847	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-6.666	-0.0039	-2.5 to 2.5	Pass
				30	3.85	1.631	0.0010	-2.5 to 2.5	Pass
				40	3.85	-9.985	-0.0058	-2.5 to 2.5	Pass
	50	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	2.961	0.0017	-2.5 to 2.5	Pass
					3.85	13.332	0.0076	-2.5 to 2.5	Pass
					4.43	0.200	0.0001	-2.5 to 2.5	Pass
-30				3.85	-8.254	-0.0047	-2.5 to 2.5	Pass	
-20	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass				



				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass		
				0	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass		
				10	3.85	-10.285	-0.0059	-2.5 to 2.5	Pass		
				30	3.85	-8.712	-0.0050	-2.5 to 2.5	Pass		
				40	3.85	14.277	0.0082	-2.5 to 2.5	Pass		
				50	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass		
	1779.3	6	0	20	3.27	7.310	0.0041	-2.5 to 2.5	Pass		
					3.85	0.257	0.0001	-2.5 to 2.5	Pass		
					4.43	-8.297	-0.0047	-2.5 to 2.5	Pass		
				-30	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass		
				-20	3.85	4.935	0.0028	-2.5 to 2.5	Pass		
				-10	3.85	7.954	0.0045	-2.5 to 2.5	Pass		
		0				0	3.85	-14.791	-0.0083	-2.5 to 2.5	Pass
						10	3.85	6.995	0.0039	-2.5 to 2.5	Pass
						30	3.85	15.049	0.0085	-2.5 to 2.5	Pass
						40	3.85	-15.364	-0.0086	-2.5 to 2.5	Pass
						50	3.85	-8.841	-0.0050	-2.5 to 2.5	Pass
						16QAM	1710.7	6	0	20	3.27
3.85	-13.347	-0.0078	-2.5 to 2.5	Pass							
4.43	-3.347	-0.0020	-2.5 to 2.5	Pass							
-30	3.85	-11.015	-0.0064	-2.5 to 2.5	Pass						
-20	3.85	6.351	0.0037	-2.5 to 2.5	Pass						
-10	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass						
0	3.85	-11.244	-0.0066	-2.5 to 2.5	Pass						
10	3.85	1.559	0.0009	-2.5 to 2.5	Pass						
30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass						
1745	6	0	20	3.27	-18.840		-0.0108	-2.5 to 2.5	Pass		
				3.85	7.696		0.0044	-2.5 to 2.5	Pass		
				4.43	0.572		0.0003	-2.5 to 2.5	Pass		
			-30	3.85	5.965		0.0034	-2.5 to 2.5	Pass		
			-20	3.85	-0.887		-0.0005	-2.5 to 2.5	Pass		
			-10	3.85	-8.612		-0.0049	-2.5 to 2.5	Pass		
			0	3.85	-4.134		-0.0024	-2.5 to 2.5	Pass		
			10	3.85	9.627		0.0055	-2.5 to 2.5	Pass		
			30	3.85	-5.078		-0.0029	-2.5 to 2.5	Pass		
1779.3	6	0	20	3.27	-10.629	-0.0060	-2.5 to 2.5	Pass			
				3.85	11.144	0.0063	-2.5 to 2.5	Pass			
				4.43	-5.465	-0.0031	-2.5 to 2.5	Pass			
			-30	3.85	5.808	0.0033	-2.5 to 2.5	Pass			
			-20	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass			
			-10	3.85	3.476	0.0020	-2.5 to 2.5	Pass			
			0	3.85	-10.557	-0.0059	-2.5 to 2.5	Pass			
			10	3.85	-5.536	-0.0031	-2.5 to 2.5	Pass			
			30	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass			
40	3.85	12.245	0.0069	-2.5 to 2.5	Pass						
50	3.85	14.305	0.0080	-2.5 to 2.5	Pass						

## 2.2 B66\_3MHz

### 2.2.1 Test Result

Band: 66 / Bandwidth: 3MHz



Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1711.5	15	0	20	3.27	6.037	0.0035	-2.5 to 2.5	Pass	
					3.85	2.832	0.0017	-2.5 to 2.5	Pass	
					4.43	1.230	0.0007	-2.5 to 2.5	Pass	
				-30	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass	
					-20	3.85	1.287	0.0008	-2.5 to 2.5	Pass
						-10	3.85	2.646	0.0015	-2.5 to 2.5
				0	3.85	-13.561	-0.0079	-2.5 to 2.5	Pass	
					10	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0004	-2.5 to 2.5	Pass	
	40	3.85	-10.500		-0.0061	-2.5 to 2.5	Pass			
	50	3.85	0.515	0.0003	-2.5 to 2.5	Pass				
	1745	15	0	20	3.27	7.181	0.0041	-2.5 to 2.5	Pass	
					3.85	-8.769	-0.0050	-2.5 to 2.5	Pass	
					4.43	1.574	0.0009	-2.5 to 2.5	Pass	
				-30	3.85	14.462	0.0083	-2.5 to 2.5	Pass	
					-20	3.85	-10.114	-0.0058	-2.5 to 2.5	Pass
						-10	3.85	-1.245	-0.0007	-2.5 to 2.5
				0	3.85	4.034	0.0023	-2.5 to 2.5	Pass	
					10	3.85	11.959	0.0069	-2.5 to 2.5	Pass
				30	3.85	12.531	0.0072	-2.5 to 2.5	Pass	
	40	3.85	14.949		0.0086	-2.5 to 2.5	Pass			
	50	3.85	0.200	0.0001	-2.5 to 2.5	Pass				
	1778.5	15	0	20	3.27	-12.617	-0.0071	-2.5 to 2.5	Pass	
					3.85	-20.900	-0.0118	-2.5 to 2.5	Pass	
					4.43	4.563	0.0026	-2.5 to 2.5	Pass	
				-30	3.85	6.208	0.0035	-2.5 to 2.5	Pass	
					-20	3.85	-4.692	-0.0026	-2.5 to 2.5	Pass
-10						3.85	-9.999	-0.0056	-2.5 to 2.5	Pass
0				3.85	-8.669	-0.0049	-2.5 to 2.5	Pass		
				10	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass	
30				3.85	5.407	0.0030	-2.5 to 2.5	Pass		
	40	3.85	-8.740	-0.0049	-2.5 to 2.5	Pass				
50	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass					
16QAM	1711.5	15	0	20	3.27	-6.523	-0.0038	-2.5 to 2.5	Pass	
					3.85	-3.963	-0.0023	-2.5 to 2.5	Pass	
					4.43	15.750	0.0092	-2.5 to 2.5	Pass	
				-30	3.85	6.280	0.0037	-2.5 to 2.5	Pass	
					-20	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
						-10	3.85	9.356	0.0055	-2.5 to 2.5
				0	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass	
					10	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				30	3.85	-15.907	-0.0093	-2.5 to 2.5	Pass	
	40	3.85	4.077		0.0024	-2.5 to 2.5	Pass			
	50	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass				
	1745	15	0	20	3.27	-9.170	-0.0053	-2.5 to 2.5	Pass	
					3.85	-11.015	-0.0063	-2.5 to 2.5	Pass	
					4.43	-14.477	-0.0083	-2.5 to 2.5	Pass	
				-30	3.85	-11.988	-0.0069	-2.5 to 2.5	Pass	
					-20	3.85	7.553	0.0043	-2.5 to 2.5	Pass
						-10	3.85	-7.367	-0.0042	-2.5 to 2.5
				0	3.85	-9.627	-0.0055	-2.5 to 2.5	Pass	
					10	3.85	12.345	0.0071	-2.5 to 2.5	Pass
				30	3.85	-12.131	-0.0070	-2.5 to 2.5	Pass	
	40	3.85	-10.099		-0.0058	-2.5 to 2.5	Pass			
	50	3.85	-10.514	-0.0060	-2.5 to 2.5	Pass				
	1778.5	15	0	20	3.27	1.488	0.0008	-2.5 to 2.5	Pass	





					3.85	-3.805	-0.0021	-2.5 to 2.5	Pass
					4.43	3.963	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-17.138	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-10.800	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-3.777	-0.0021	-2.5 to 2.5	Pass
				10	3.85	3.362	0.0019	-2.5 to 2.5	Pass
				30	3.85	-16.551	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-15.564	-0.0088	-2.5 to 2.5	Pass
				50	3.85	9.971	0.0056	-2.5 to 2.5	Pass

## 2.3 B66\_5MHz

### 2.3.1 Test Result

Band: 66 / Bandwidth: 5MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1712.5	25	0	20	3.27	-2.260	-0.0013	-2.5 to 2.5	Pass			
					3.85	1.502	0.0009	-2.5 to 2.5	Pass			
					4.43	2.518	0.0015	-2.5 to 2.5	Pass			
				-30	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass			
				-20	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass			
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass			
				0	3.85	1.245	0.0007	-2.5 to 2.5	Pass			
				10	3.85	1.402	0.0008	-2.5 to 2.5	Pass			
				30	3.85	7.224	0.0042	-2.5 to 2.5	Pass			
				40	3.85	4.306	0.0025	-2.5 to 2.5	Pass			
				50	3.85	7.281	0.0043	-2.5 to 2.5	Pass			
				1745	25	0	20	3.27	-8.039	-0.0046	-2.5 to 2.5	Pass
								3.85	7.410	0.0042	-2.5 to 2.5	Pass
								4.43	9.570	0.0055	-2.5 to 2.5	Pass
							-30	3.85	4.749	0.0027	-2.5 to 2.5	Pass
	-20	3.85	7.710				0.0044	-2.5 to 2.5	Pass			
	-10	3.85	-4.563				-0.0026	-2.5 to 2.5	Pass			
	0	3.85	0.086				0.0000	-2.5 to 2.5	Pass			
	10	3.85	8.154				0.0047	-2.5 to 2.5	Pass			
	30	3.85	-9.155				-0.0052	-2.5 to 2.5	Pass			
	40	3.85	5.136				0.0029	-2.5 to 2.5	Pass			
	50	3.85	-3.376				-0.0019	-2.5 to 2.5	Pass			
	1777.5	25	0				20	3.27	-2.146	-0.0012	-2.5 to 2.5	Pass
				3.85	6.795	0.0038		-2.5 to 2.5	Pass			
				4.43	6.452	0.0036		-2.5 to 2.5	Pass			
				-30	3.85	7.639	0.0043	-2.5 to 2.5	Pass			
				-20	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass			
-10				3.85	0.486	0.0003	-2.5 to 2.5	Pass				
0				3.85	1.631	0.0009	-2.5 to 2.5	Pass				
10				3.85	0.129	0.0001	-2.5 to 2.5	Pass				
30				3.85	-1.273	-0.0007	-2.5 to 2.5	Pass				
40				3.85	-7.067	-0.0040	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	3.27	-0.486	-0.0003	-2.5 to 2.5	Pass			
					3.85	9.456	0.0055	-2.5 to 2.5	Pass			
					4.43	-0.486	-0.0003	-2.5 to 2.5	Pass			
				-30	3.85	6.781	0.0040	-2.5 to 2.5	Pass			
				-20	3.85	-9.513	-0.0056	-2.5 to 2.5	Pass			



				-10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				50	3.85	0.501	0.0003	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	6.423	0.0037	-2.5 to 2.5	Pass
					3.85	4.935	0.0028	-2.5 to 2.5	Pass
					4.43	5.121	0.0029	-2.5 to 2.5	Pass
				-30	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-11.315	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
				30	3.85	9.212	0.0053	-2.5 to 2.5	Pass
				40	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				1777.5	25	0	20	3.27	-1.788
	3.85	5.851	0.0033					-2.5 to 2.5	Pass
	4.43	1.817	0.0010					-2.5 to 2.5	Pass
	-30	3.85	-0.243				-0.0001	-2.5 to 2.5	Pass
	-20	3.85	1.130				0.0006	-2.5 to 2.5	Pass
	-10	3.85	-0.401				-0.0002	-2.5 to 2.5	Pass
	0	3.85	3.061				0.0017	-2.5 to 2.5	Pass
10	3.85	9.327	0.0052				-2.5 to 2.5	Pass	
30	3.85	7.253	0.0041				-2.5 to 2.5	Pass	
40	3.85	-8.469	-0.0048				-2.5 to 2.5	Pass	
50	3.85	1.473	0.0008				-2.5 to 2.5	Pass	

2.4 B66\_10MHz

2.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	2.604	0.0015	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
					4.43	1.745	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				10	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				40	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				1745	50	0	20	3.27	2.503
	3.85	-6.938	-0.0040					-2.5 to 2.5	Pass
	4.43	0.987	0.0006					-2.5 to 2.5	Pass
	-30	3.85	3.805				0.0022	-2.5 to 2.5	Pass
	-20	3.85	-5.093				-0.0029	-2.5 to 2.5	Pass
	-10	3.85	5.465				0.0031	-2.5 to 2.5	Pass
	0	3.85	0.486				0.0003	-2.5 to 2.5	Pass
	10	3.85	-5.765				-0.0033	-2.5 to 2.5	Pass
	30	3.85	-1.259				-0.0007	-2.5 to 2.5	Pass



	1775	50	0	40	3.85	1.159	0.0007	-2.5 to 2.5	Pass			
				50	3.85	1.402	0.0008	-2.5 to 2.5	Pass			
				20	3.27	-0.644	-0.0004	-2.5 to 2.5	Pass			
					3.85	-6.666	-0.0038	-2.5 to 2.5	Pass			
					4.43	-2.217	-0.0012	-2.5 to 2.5	Pass			
					-30	3.85	-8.368	-0.0047	-2.5 to 2.5	Pass		
				-20	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass			
				-10	3.85	1.059	0.0006	-2.5 to 2.5	Pass			
				0	3.85	-5.679	-0.0032	-2.5 to 2.5	Pass			
				10	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass			
				30	3.85	4.621	0.0026	-2.5 to 2.5	Pass			
				40	3.85	4.206	0.0024	-2.5 to 2.5	Pass			
				50	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass			
				16QAM	1715	50	0	20	3.27	2.117	0.0012	-2.5 to 2.5
3.85	4.592	0.0027	-2.5 to 2.5						Pass			
	4.43	0.100	0.0001					-2.5 to 2.5	Pass			
	-30	3.85	3.462					0.0020	-2.5 to 2.5	Pass		
-20	3.85	-1.931	-0.0011					-2.5 to 2.5	Pass			
-10	3.85	2.446	0.0014					-2.5 to 2.5	Pass			
0	3.85	4.878	0.0028					-2.5 to 2.5	Pass			
10	3.85	1.216	0.0007					-2.5 to 2.5	Pass			
30	3.85	1.802	0.0011					-2.5 to 2.5	Pass			
40	3.85	0.529	0.0003					-2.5 to 2.5	Pass			
50	3.85	0.100	0.0001					-2.5 to 2.5	Pass			
1745	50	0	20					3.27	3.119	0.0018	-2.5 to 2.5	Pass
								3.85	1.831	0.0010	-2.5 to 2.5	Pass
								4.43	-2.847	-0.0016	-2.5 to 2.5	Pass
					-30	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass		
			-20		3.85	-0.429	-0.0002	-2.5 to 2.5	Pass			
			-10		3.85	0.000	0.0000	-2.5 to 2.5	Pass			
			0		3.85	-5.636	-0.0032	-2.5 to 2.5	Pass			
			10		3.85	3.018	0.0017	-2.5 to 2.5	Pass			
			30		3.85	0.086	0.0000	-2.5 to 2.5	Pass			
			40		3.85	2.890	0.0017	-2.5 to 2.5	Pass			
			50		3.85	-2.289	-0.0013	-2.5 to 2.5	Pass			
			1775		50	0	20	3.27	-4.735	-0.0027	-2.5 to 2.5	Pass
								3.85	-4.821	-0.0027	-2.5 to 2.5	Pass
								4.43	4.292	0.0024	-2.5 to 2.5	Pass
-30	3.85	-2.475						-0.0014	-2.5 to 2.5	Pass		
-20	3.85	4.406					0.0025	-2.5 to 2.5	Pass			
-10	3.85	1.588					0.0009	-2.5 to 2.5	Pass			
0	3.85	-1.802		-0.0010			-2.5 to 2.5	Pass				
10	3.85	-4.935		-0.0028			-2.5 to 2.5	Pass				
30	3.85	0.930		0.0005			-2.5 to 2.5	Pass				
40	3.85	-2.060		-0.0012			-2.5 to 2.5	Pass				
50	3.85	-6.781	-0.0038	-2.5 to 2.5	Pass							

2.5 B66\_15MHz

2.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	4.478	0.0026	-2.5 to 2.5	Pass
									3.85



					4.43	-5.937	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.532	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-6.323	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	3.977	0.0023	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
					4.43	0.315	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				1772.5	75	0	20	3.27	-2.747
	3.85	1.073	0.0006					-2.5 to 2.5	Pass
	4.43	-10.543	-0.0059					-2.5 to 2.5	Pass
	-30	3.85	-7.238				-0.0041	-2.5 to 2.5	Pass
	-20	3.85	-4.191				-0.0024	-2.5 to 2.5	Pass
	-10	3.85	-4.349				-0.0025	-2.5 to 2.5	Pass
	0	3.85	-10.514				-0.0059	-2.5 to 2.5	Pass
	10	3.85	-1.760				-0.0010	-2.5 to 2.5	Pass
30	3.85	-2.818	-0.0016				-2.5 to 2.5	Pass	
40	3.85	-4.964	-0.0028				-2.5 to 2.5	Pass	
50	3.85	-0.958	-0.0005				-2.5 to 2.5	Pass	
16QAM	1717.5	75	0				20	3.27	-5.608
				3.85	-0.558	-0.0003		-2.5 to 2.5	Pass
				4.43	-3.948	-0.0023		-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				0	3.85	4.306	0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				40	3.85	5.593	0.0033	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				1745	75	0	20	3.27	-6.509
	3.85	-9.699	-0.0056					-2.5 to 2.5	Pass
	4.43	1.402	0.0008					-2.5 to 2.5	Pass
	-30	3.85	-3.018				-0.0017	-2.5 to 2.5	Pass
	-20	3.85	-3.633				-0.0021	-2.5 to 2.5	Pass
	-10	3.85	-2.418				-0.0014	-2.5 to 2.5	Pass
	0	3.85	-1.674				-0.0010	-2.5 to 2.5	Pass
	10	3.85	-2.232				-0.0013	-2.5 to 2.5	Pass
	30	3.85	-1.616				-0.0009	-2.5 to 2.5	Pass
	40	3.85	2.131				0.0012	-2.5 to 2.5	Pass
	50	3.85	3.161				0.0018	-2.5 to 2.5	Pass
	1772.5	75	0				20	3.27	1.216
				3.85	-4.592	-0.0026		-2.5 to 2.5	Pass
				4.43	0.544	0.0003		-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0007	-2.5 to 2.5	Pass



				-10	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.448	0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				50	3.85	3.362	0.0019	-2.5 to 2.5	Pass

2.6 B66\_20MHz

2.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-3.190	-0.0019	-2.5 to 2.5	Pass
					3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				0	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				10	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				40	3.85	3.991	0.0023	-2.5 to 2.5	Pass
	50	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
					4.43	-5.507	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				40	3.85	2.031	0.0012	-2.5 to 2.5	Pass
	50	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass			
	1770	100	0	20	3.27	-1.287	-0.0007	-2.5 to 2.5	Pass
					3.85	5.779	0.0033	-2.5 to 2.5	Pass
					4.43	-6.666	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0035	-2.5 to 2.5	Pass
30				3.85	-3.934	-0.0022	-2.5 to 2.5	Pass	
40				3.85	2.260	0.0013	-2.5 to 2.5	Pass	
50	3.85	-9.842	-0.0056	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-3.076	-0.0018	-2.5 to 2.5	Pass
					3.85	-6.280	-0.0037	-2.5 to 2.5	Pass
					4.43	-2.546	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
30	3.85	3.662	0.0021	-2.5 to 2.5	Pass				



	1745	100	0	40	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				20	3.27	-1.516	-0.0009	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
	30	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass			
	40	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass			
	50	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass			
	1770	100	0	20	3.27	-3.519	-0.0020	-2.5 to 2.5	Pass
					3.85	-10.901	-0.0062	-2.5 to 2.5	Pass
					4.43	-4.478	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-7.610	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-6.766	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-6.437	-0.0036	-2.5 to 2.5	Pass
10				3.85	-1.888	-0.0011	-2.5 to 2.5	Pass	
30				3.85	-1.416	-0.0008	-2.5 to 2.5	Pass	
40				3.85	-12.918	-0.0073	-2.5 to 2.5	Pass	
50	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass				

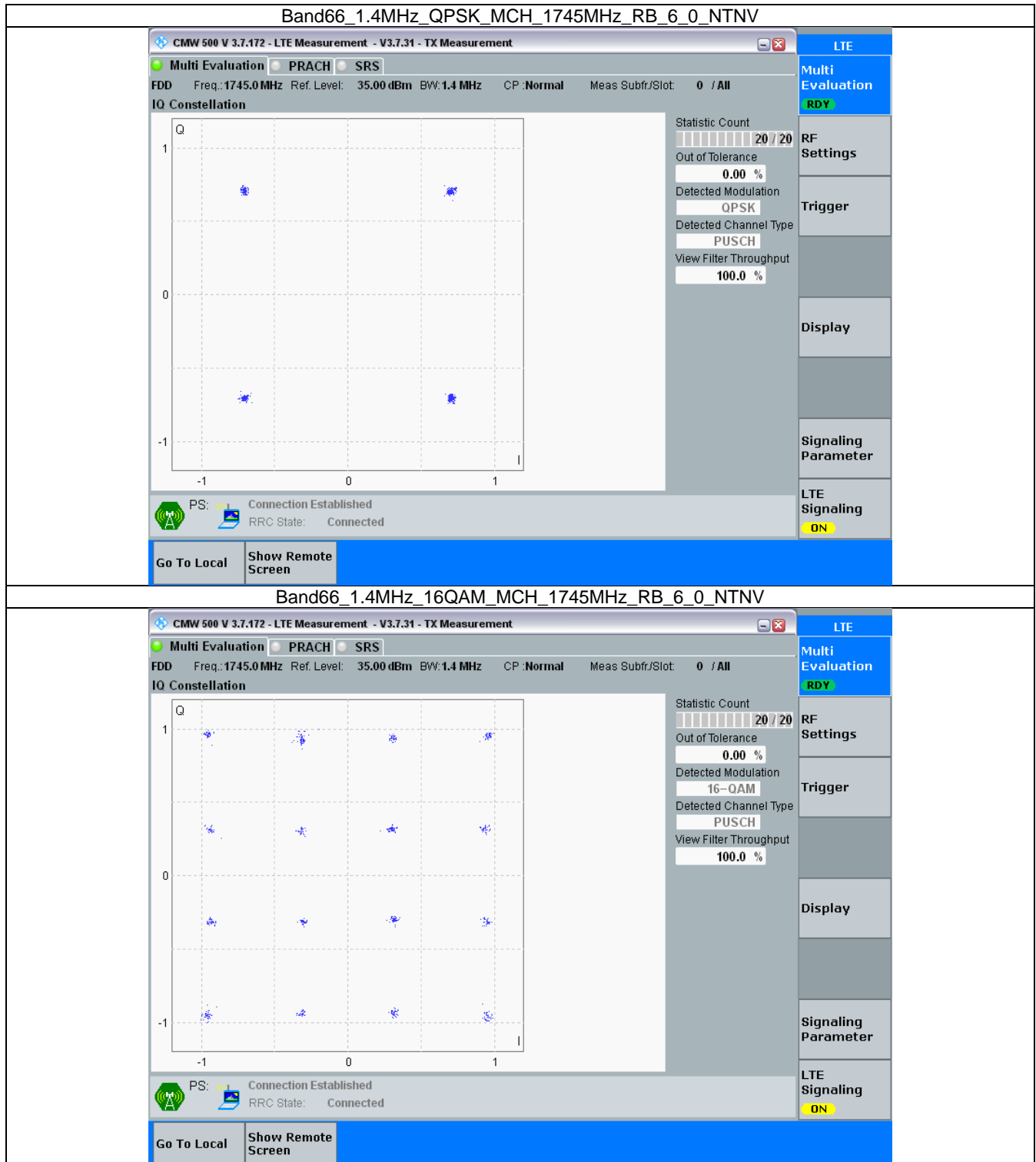
### 3. Modulation Characteristics

#### 3.1 B66\_1.4MHz

##### 3.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	6	0	Refer To Test Graph		Pass
16QAM	1745	6	0	Refer To Test Graph		Pass

### 3.1.2 Test Graph





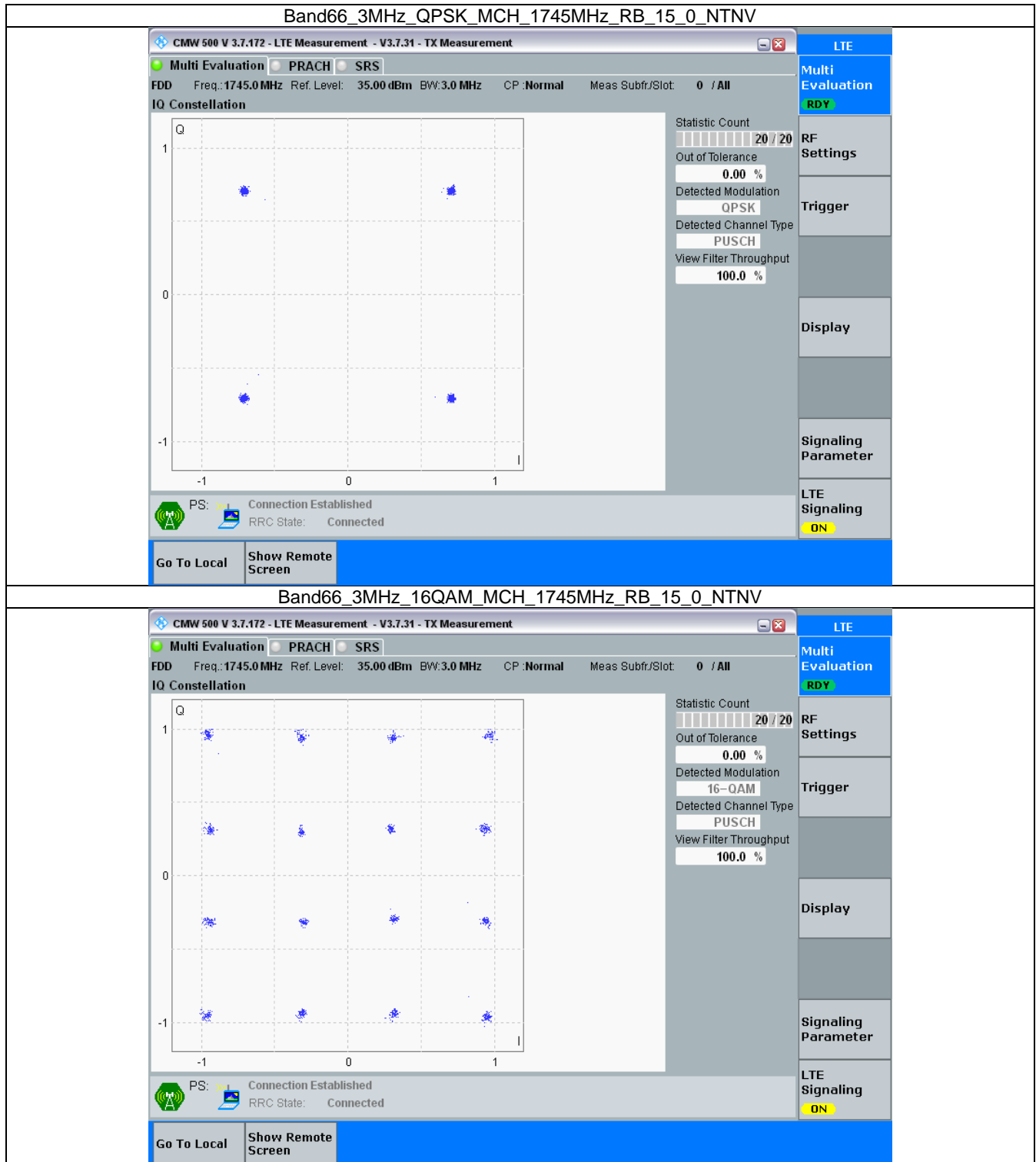
### 3.2 B66\_3MHz

#### 3.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	15	0	Refer To Test Graph		Pass
16QAM	1745	15	0	Refer To Test Graph		Pass



### 3.2.2 Test Graph



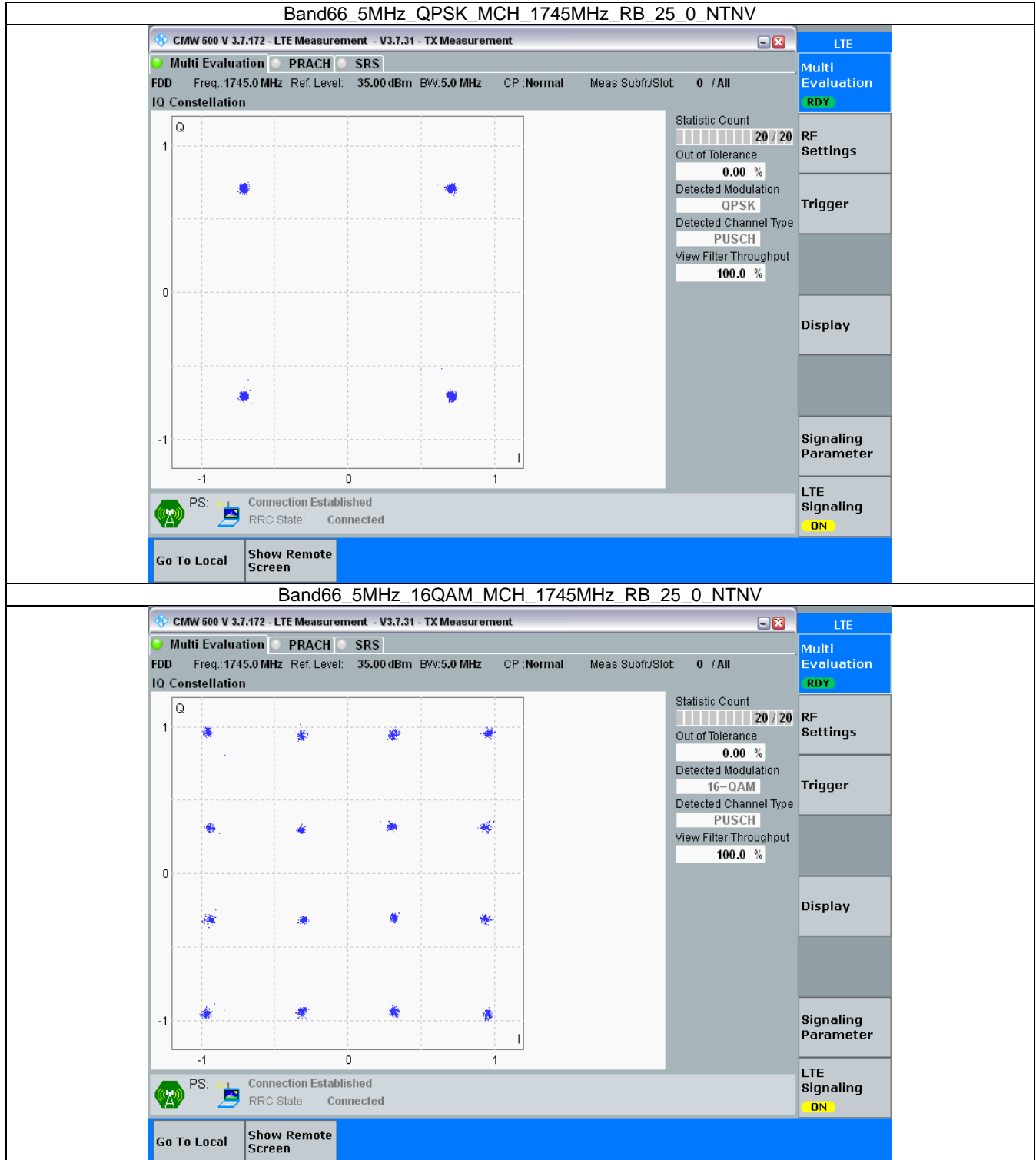


### 3.3 B66\_5MHz

#### 3.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	25	0	Refer To Test Graph		Pass
16QAM	1745	25	0	Refer To Test Graph		Pass

### 3.3.2 Test Graph



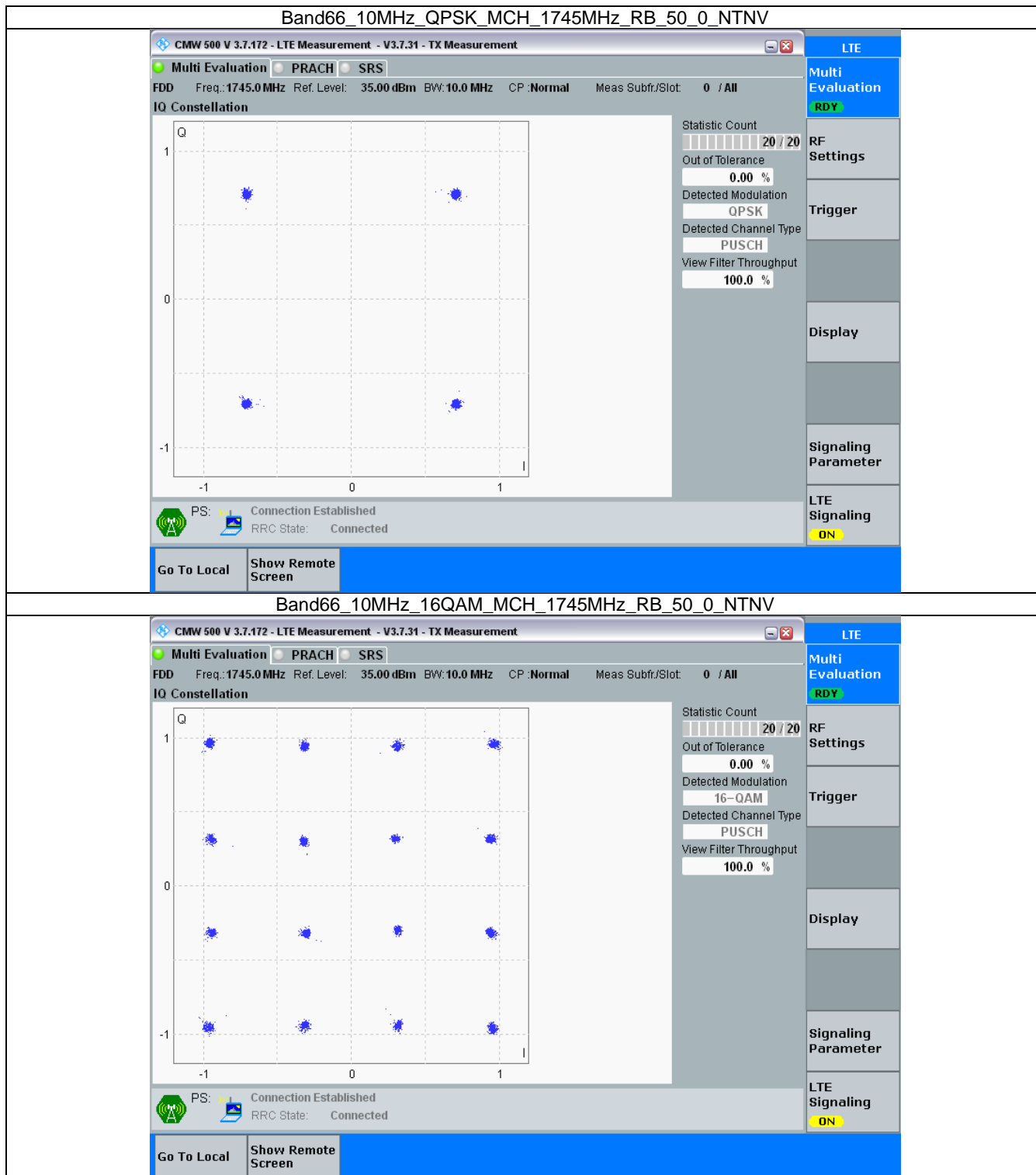


### 3.4 B66\_10MHz

#### 3.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	50	0	Refer To Test Graph		Pass
16QAM	1745	50	0	Refer To Test Graph		Pass

### 3.4.2 Test Graph



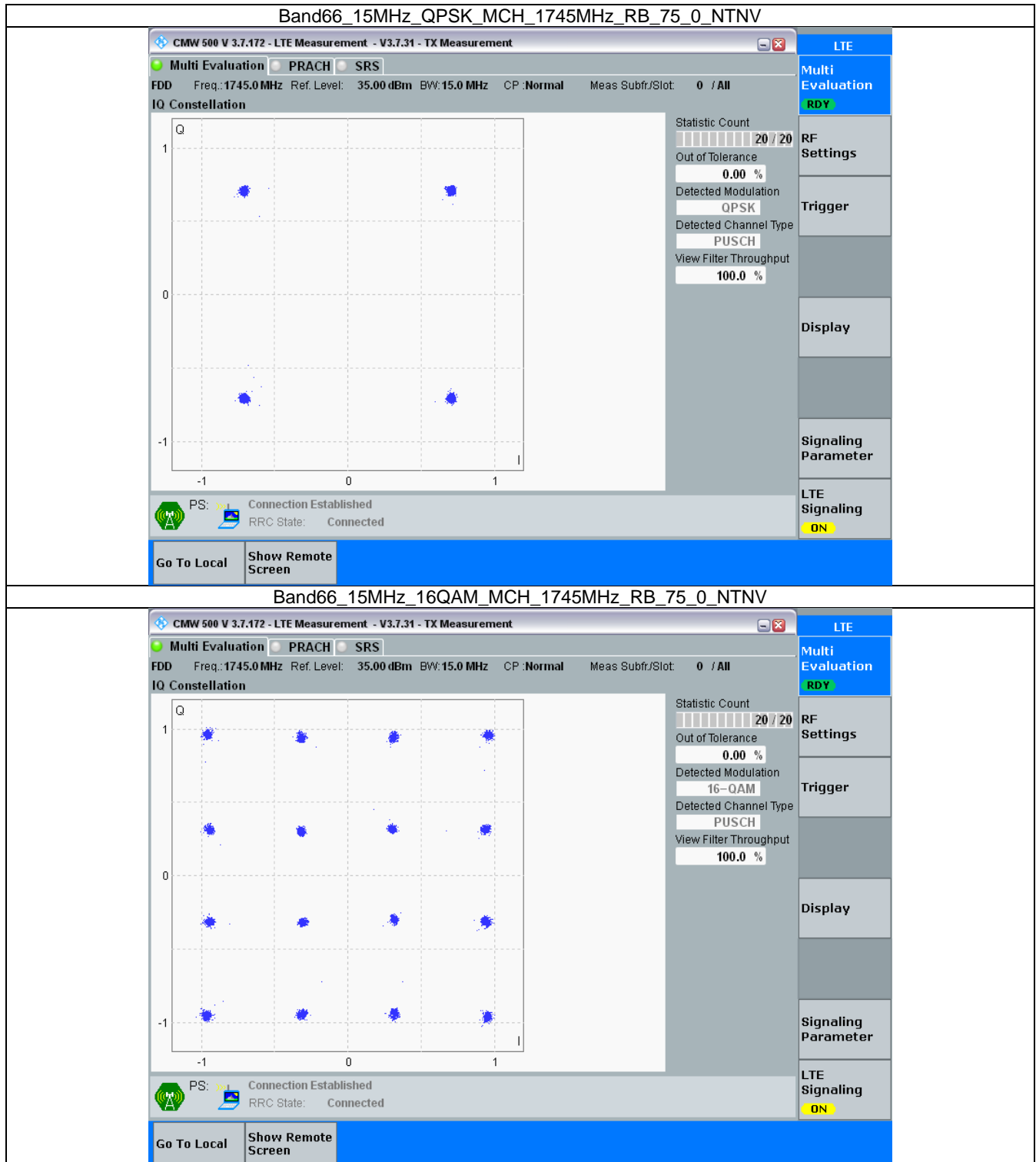


### 3.5 B66\_15MHz

#### 3.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass
16QAM	1745	75	0	Refer To Test Graph		Pass

### 3.5.2 Test Graph





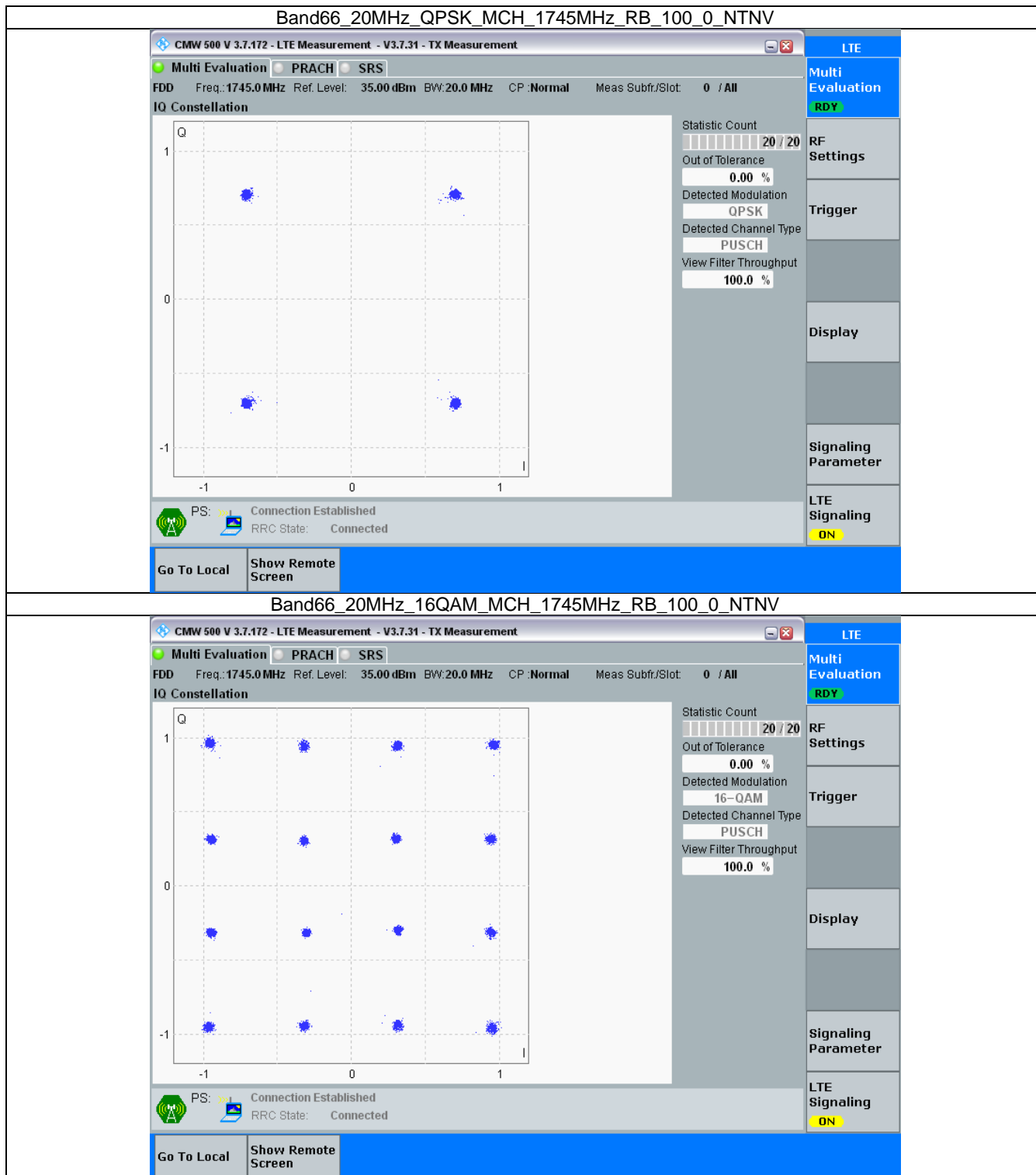
### 3.6 B66\_20MHz

#### 3.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	Refer To Test Graph		Pass
16QAM	1745	100	0	Refer To Test Graph		Pass



### 3.6.2 Test Graph





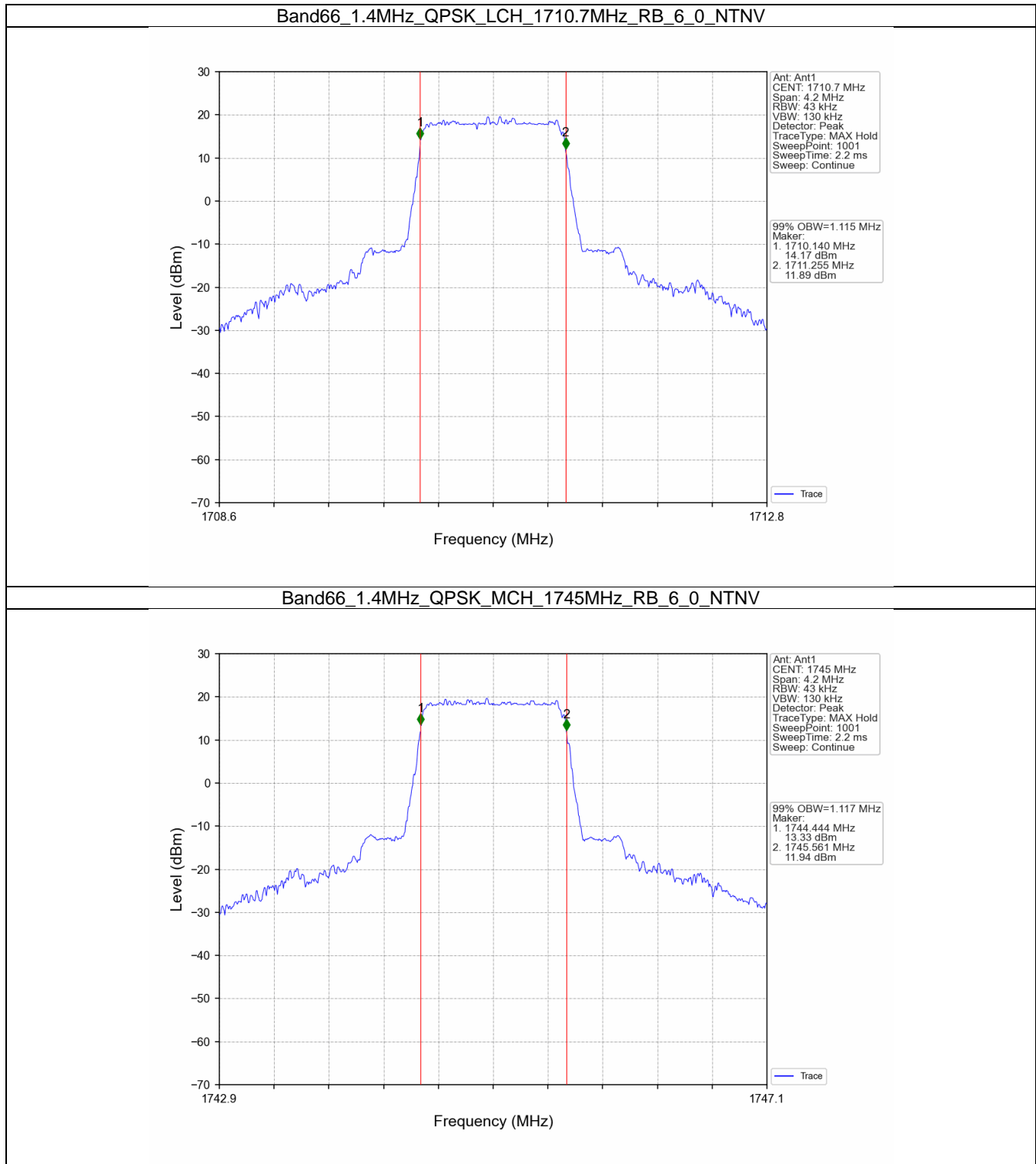
### 4. 99% & 26dB Bandwidth

#### 4.1 Band66\_OBW

##### 4.1.1 Test Result

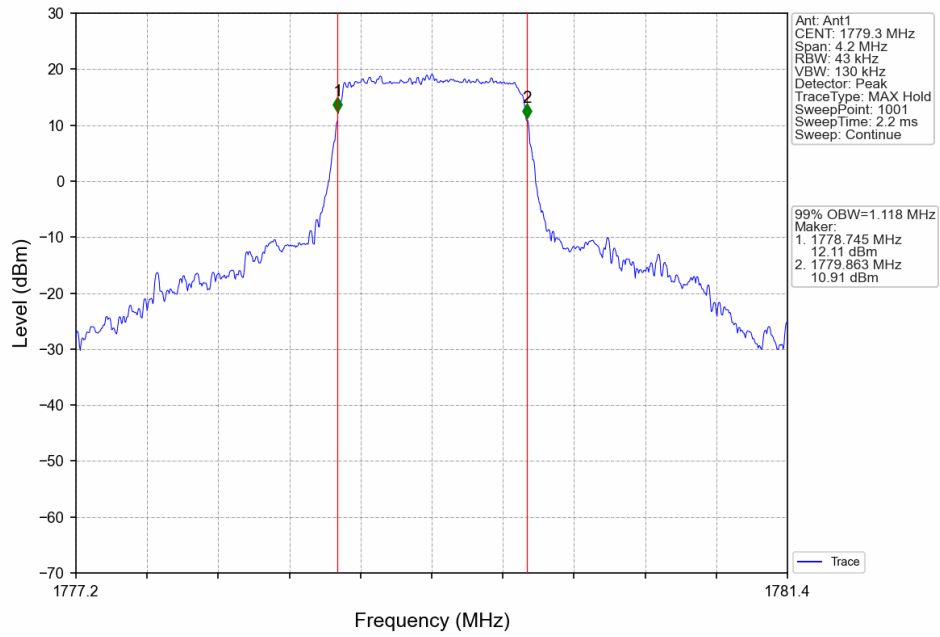
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.115	/	Pass
		1745	6	0	1.117	/	Pass
		1779.3	6	0	1.118	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1745	6	0	1.112	/	Pass
		1779.3	6	0	1.107	/	Pass
3	QPSK	1711.5	15	0	2.730	/	Pass
		1745	15	0	2.723	/	Pass
		1778.5	15	0	2.731	/	Pass
	16QAM	1711.5	15	0	2.735	/	Pass
		1745	15	0	2.724	/	Pass
		1778.5	15	0	2.723	/	Pass
5	QPSK	1712.5	25	0	4.559	/	Pass
		1745	25	0	4.551	/	Pass
		1777.5	25	0	4.545	/	Pass
	16QAM	1712.5	25	0	4.561	/	Pass
		1745	25	0	4.547	/	Pass
		1777.5	25	0	4.541	/	Pass
10	QPSK	1715	50	0	9.051	/	Pass
		1745	50	0	9.078	/	Pass
		1775	50	0	9.044	/	Pass
	16QAM	1715	50	0	9.081	/	Pass
		1745	50	0	9.062	/	Pass
		1775	50	0	9.056	/	Pass
15	QPSK	1717.5	75	0	13.545	/	Pass
		1745	75	0	13.620	/	Pass
		1772.5	75	0	13.686	/	Pass
	16QAM	1717.5	75	0	13.577	/	Pass
		1745	75	0	13.607	/	Pass
		1772.5	75	0	13.699	/	Pass
20	QPSK	1720	100	0	18.090	/	Pass
		1745	100	0	18.126	/	Pass
		1770	100	0	18.270	/	Pass
	16QAM	1720	100	0	18.026	/	Pass
		1745	100	0	18.165	/	Pass
		1770	100	0	18.253	/	Pass

### 4.1.2 Test Graph

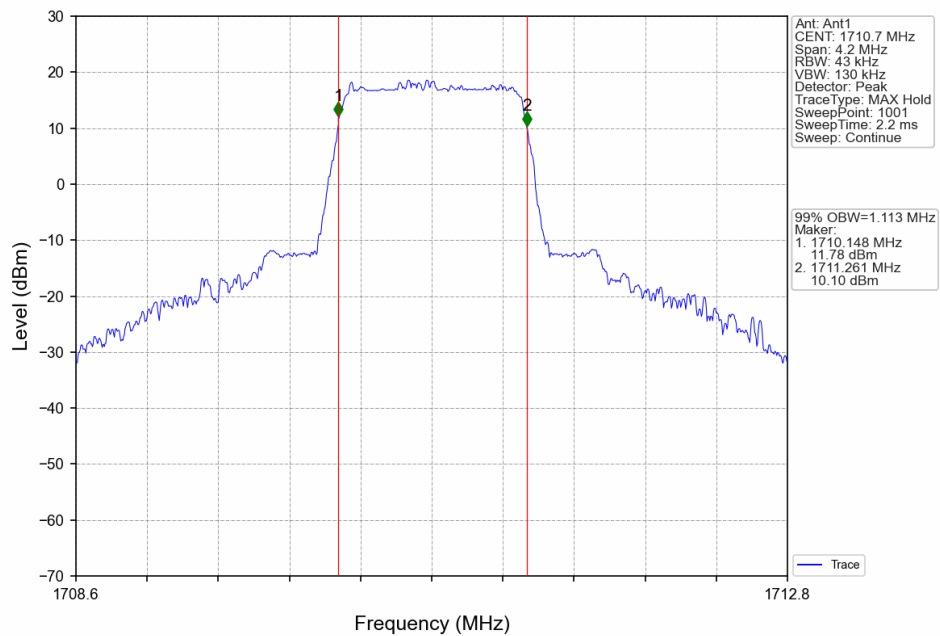




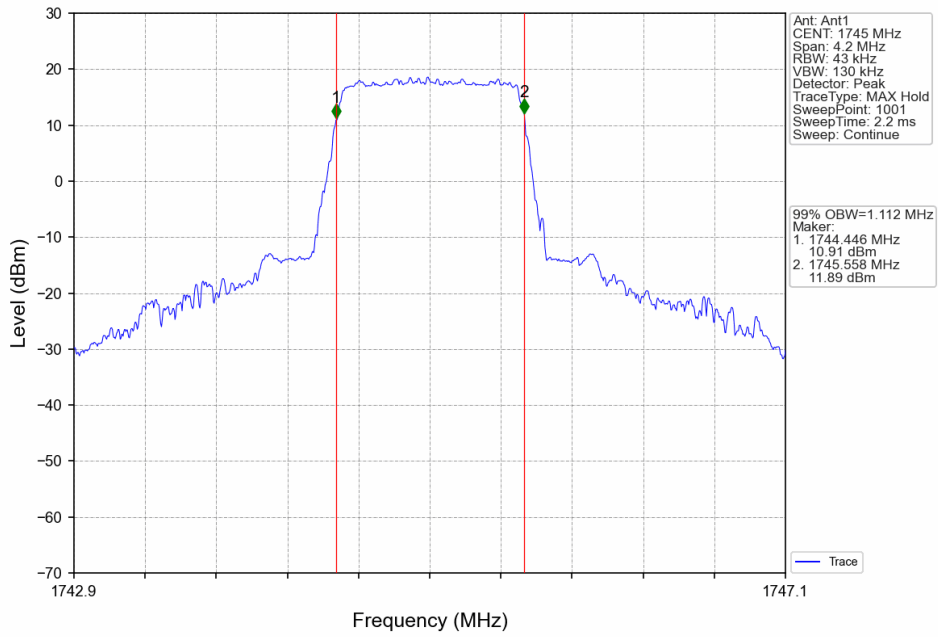
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



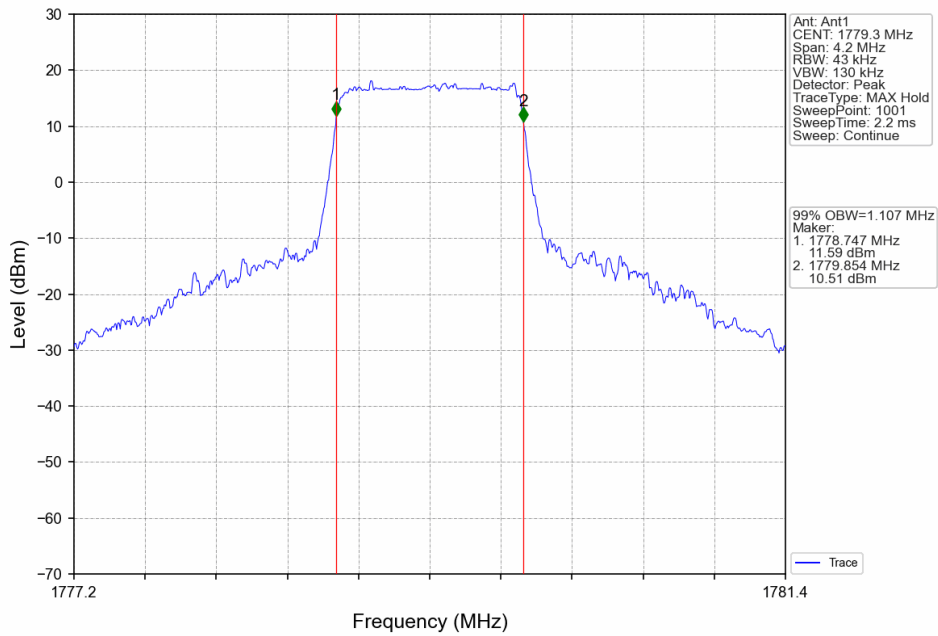
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV

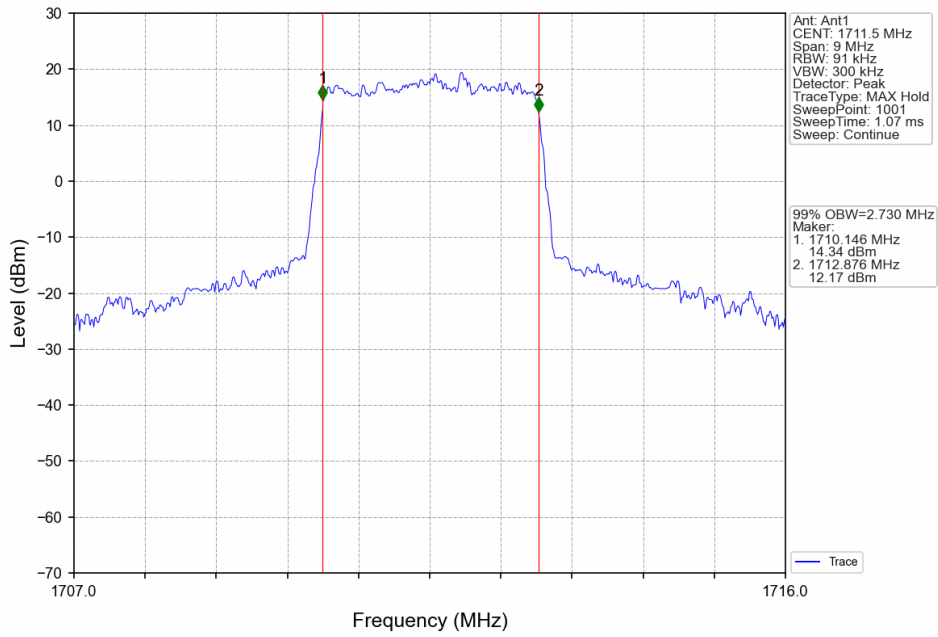


Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV

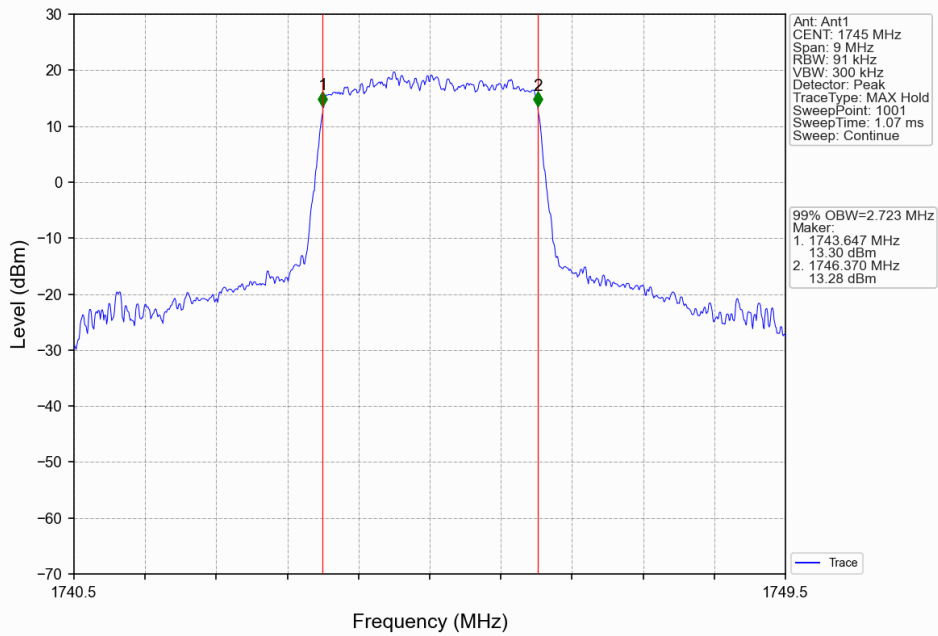




Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

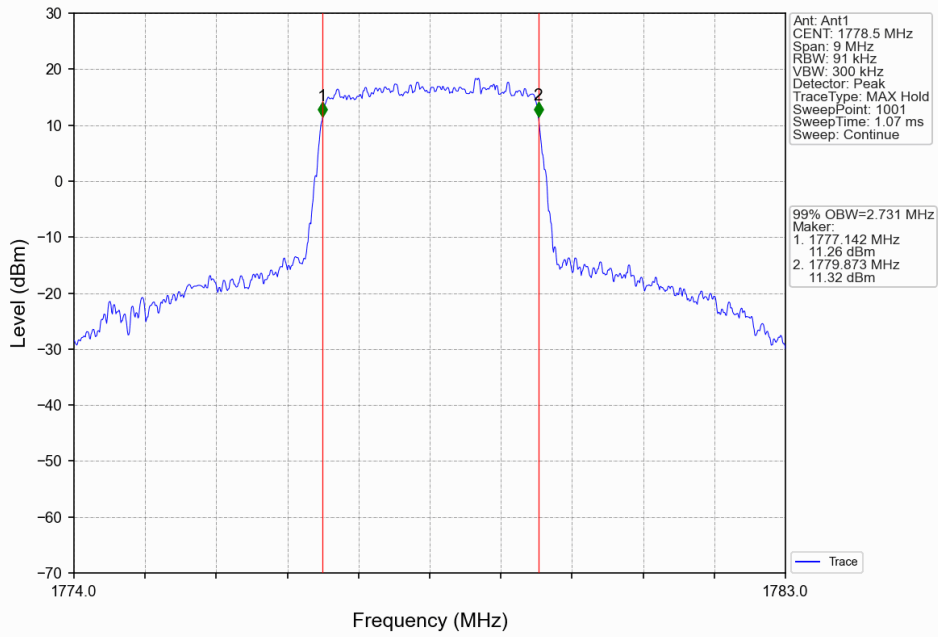


Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV

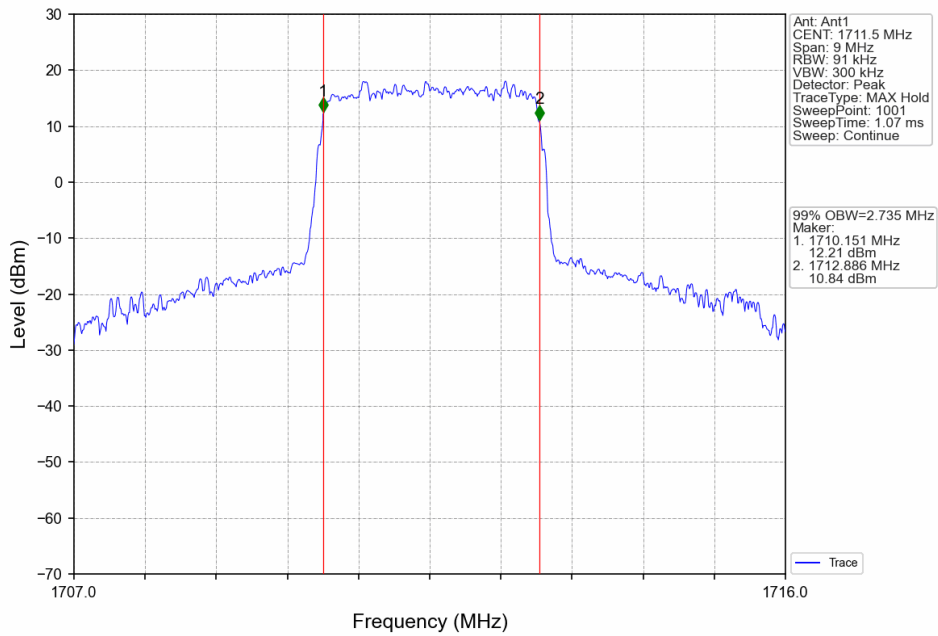




Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV

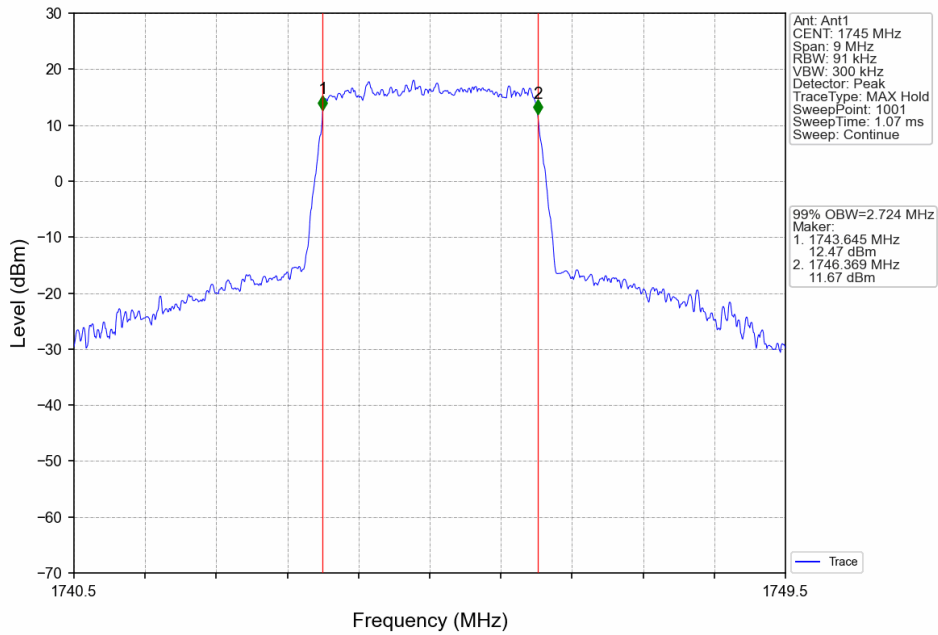


Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

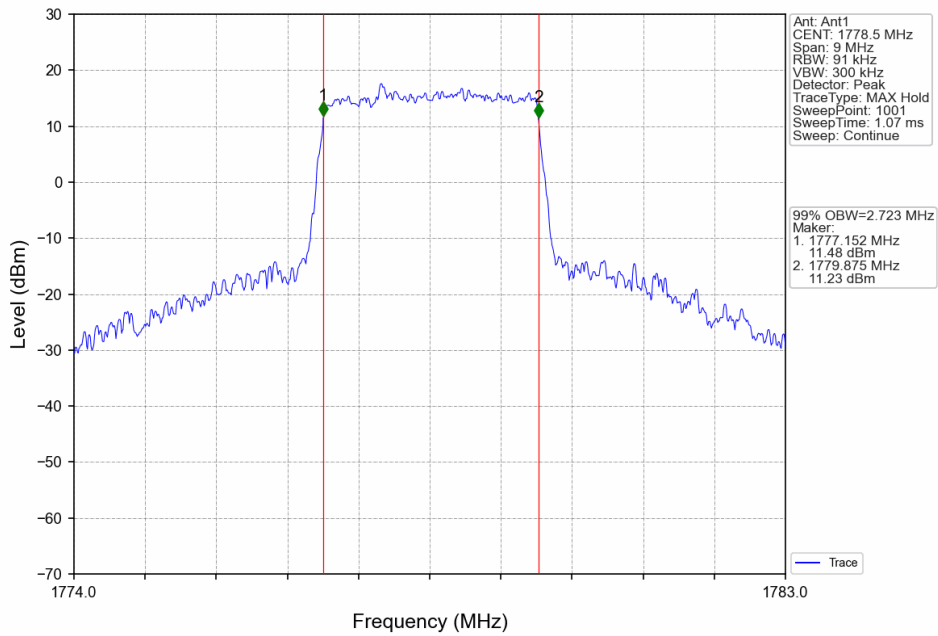




Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



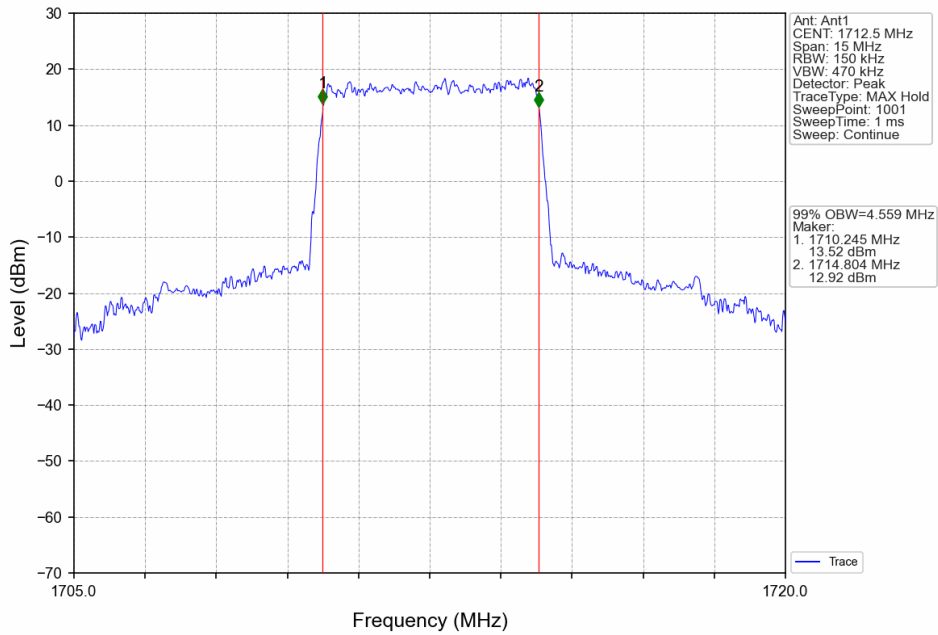
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



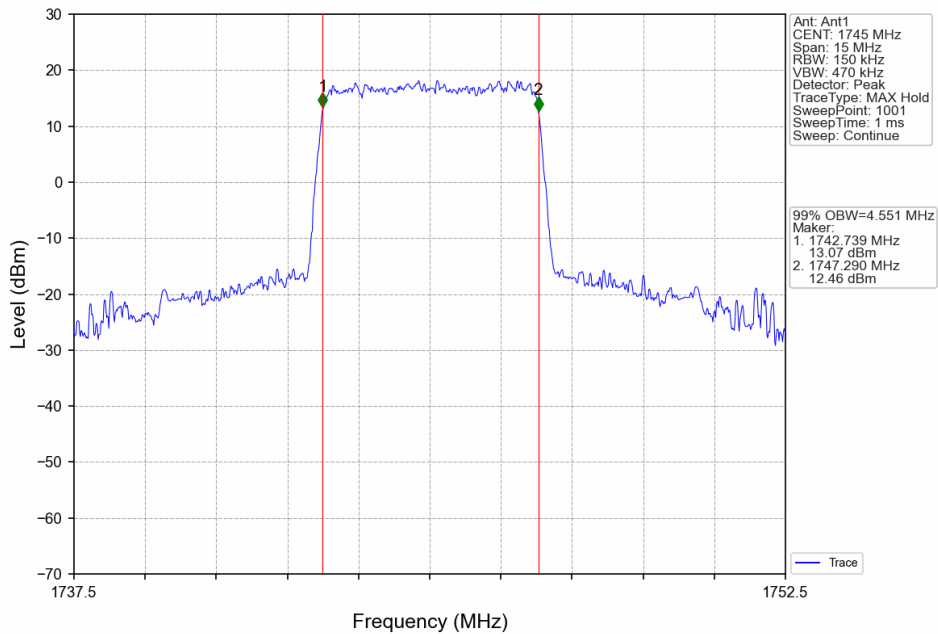




Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

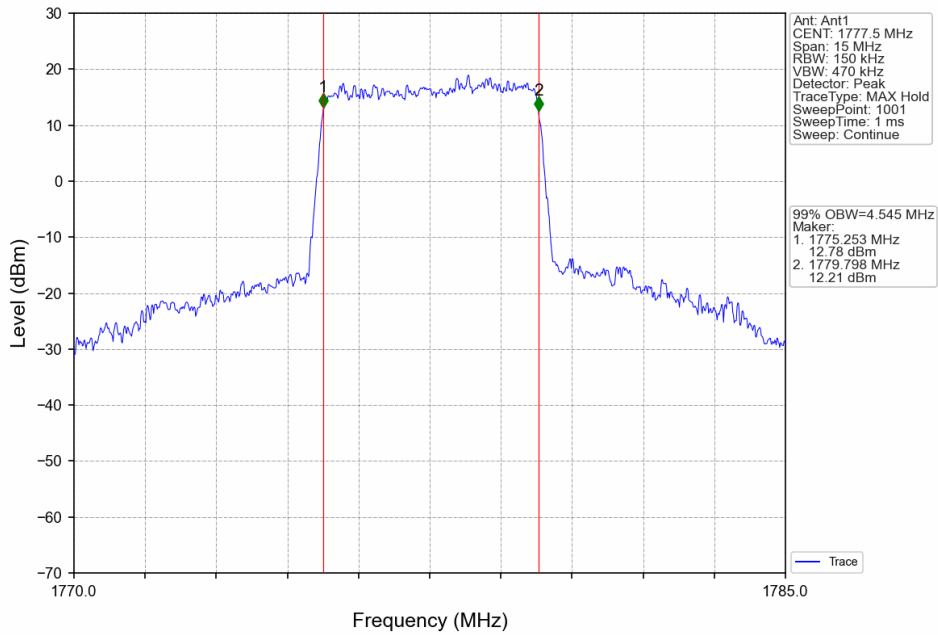


Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV

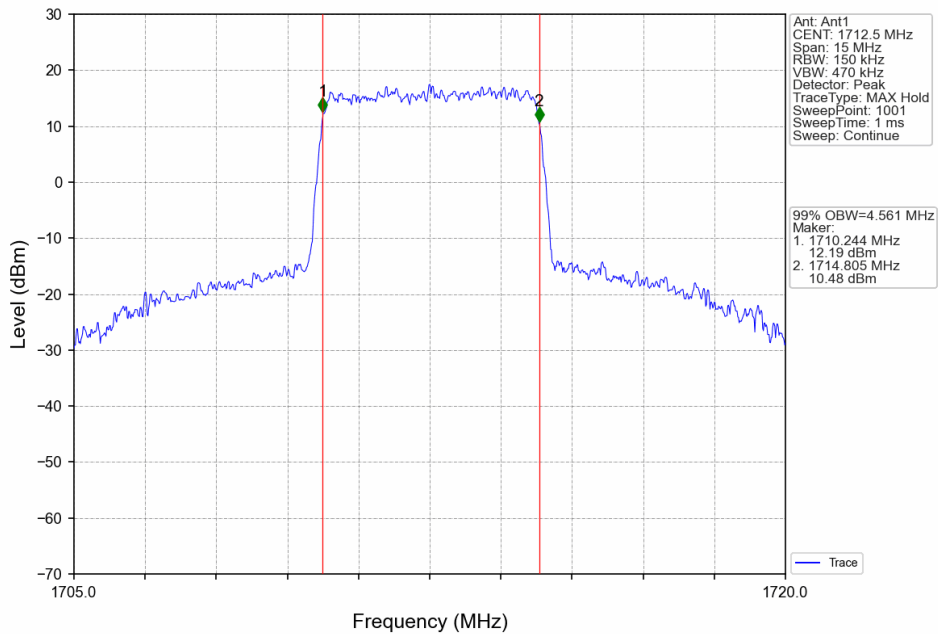




Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV

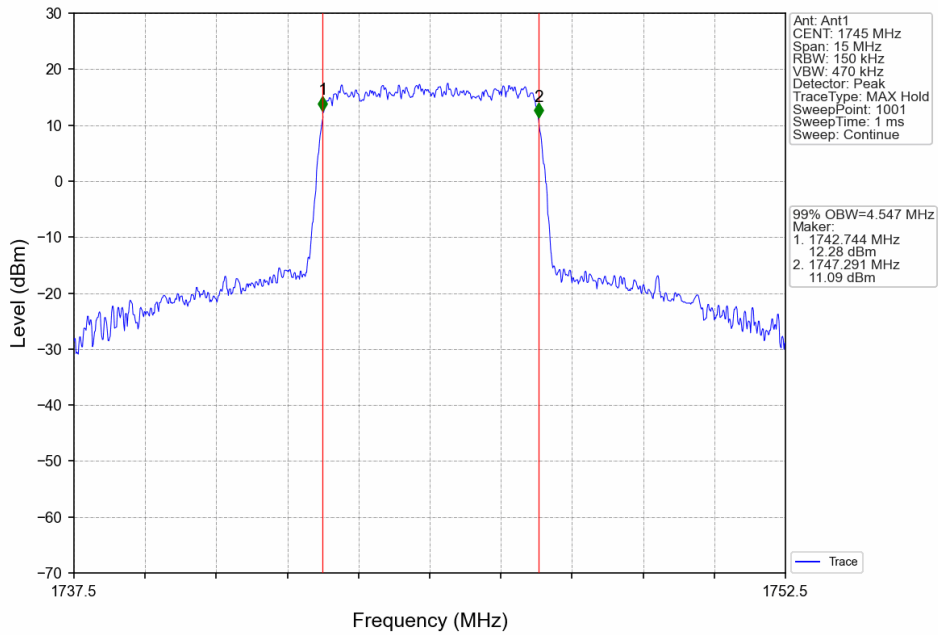


Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

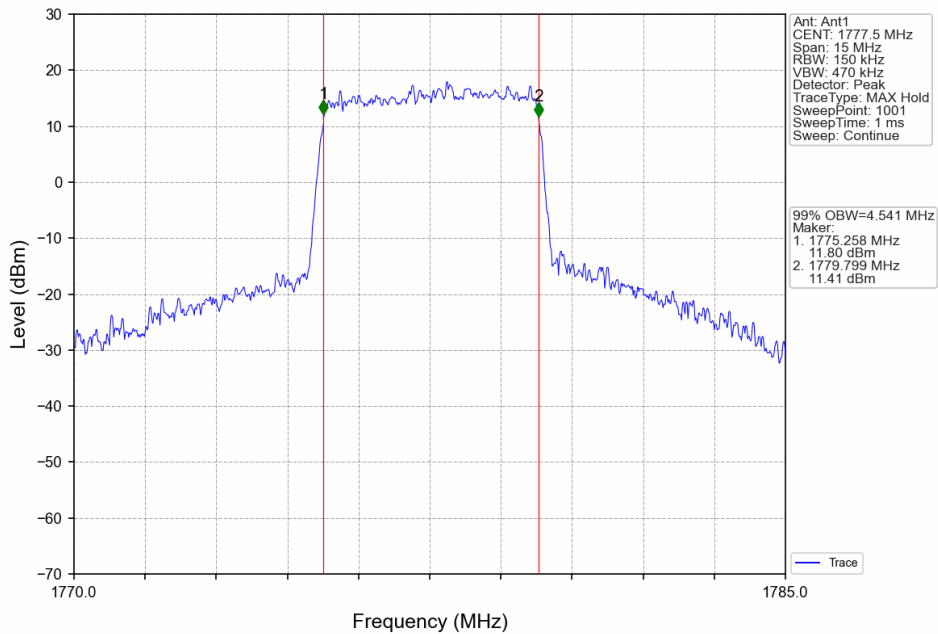




Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV

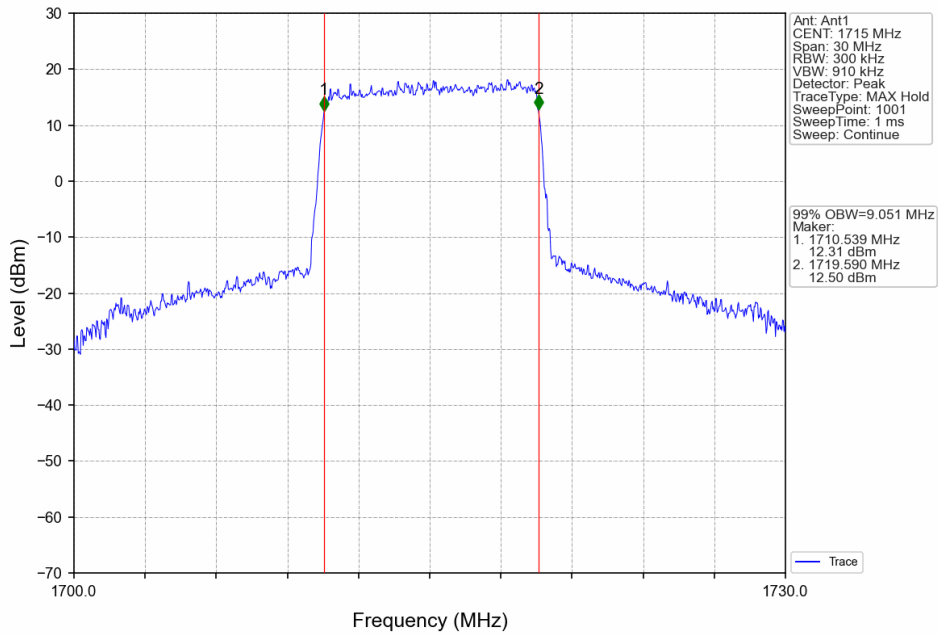


Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV

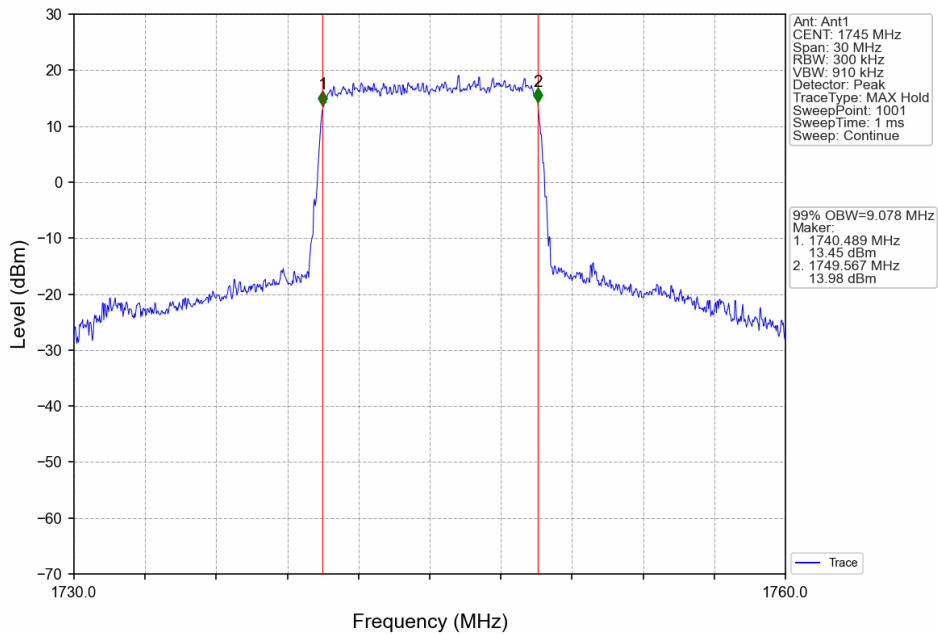




Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV

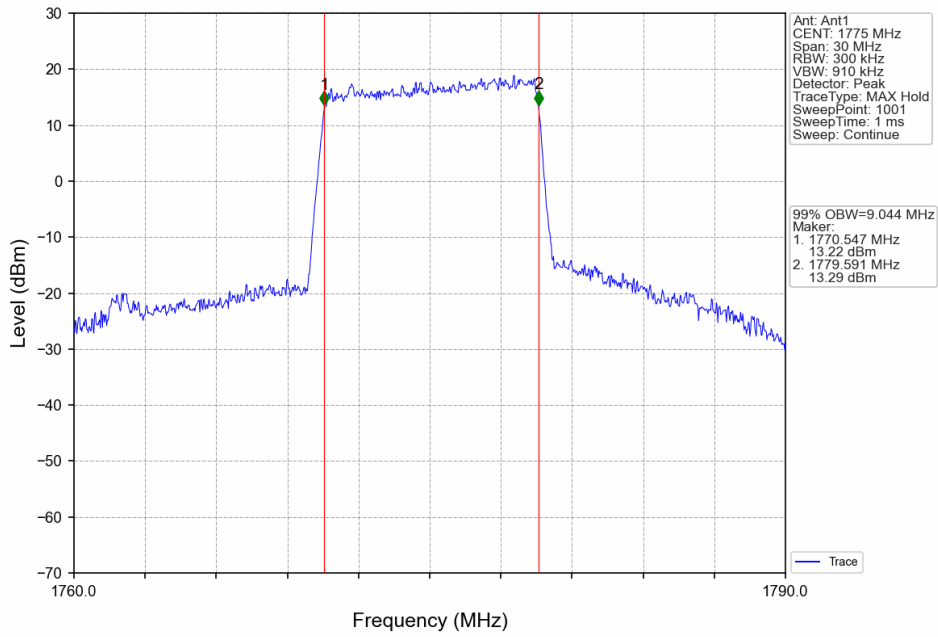


Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV

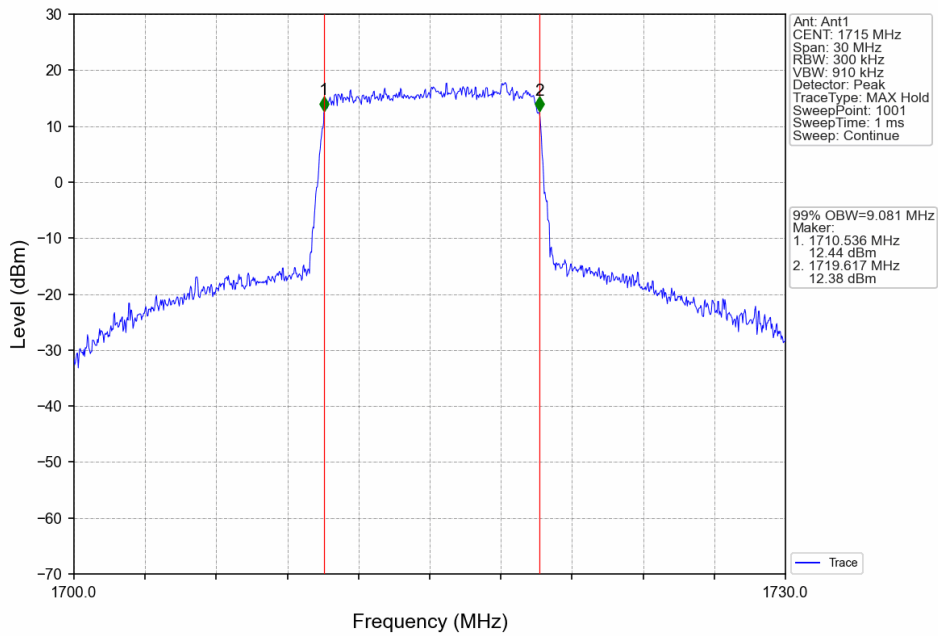




Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV

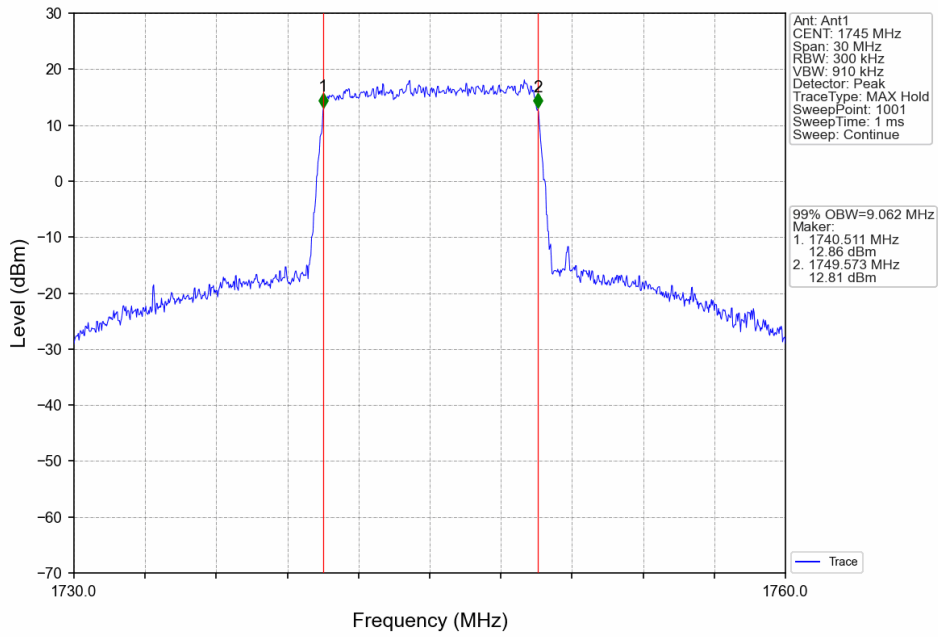


Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV

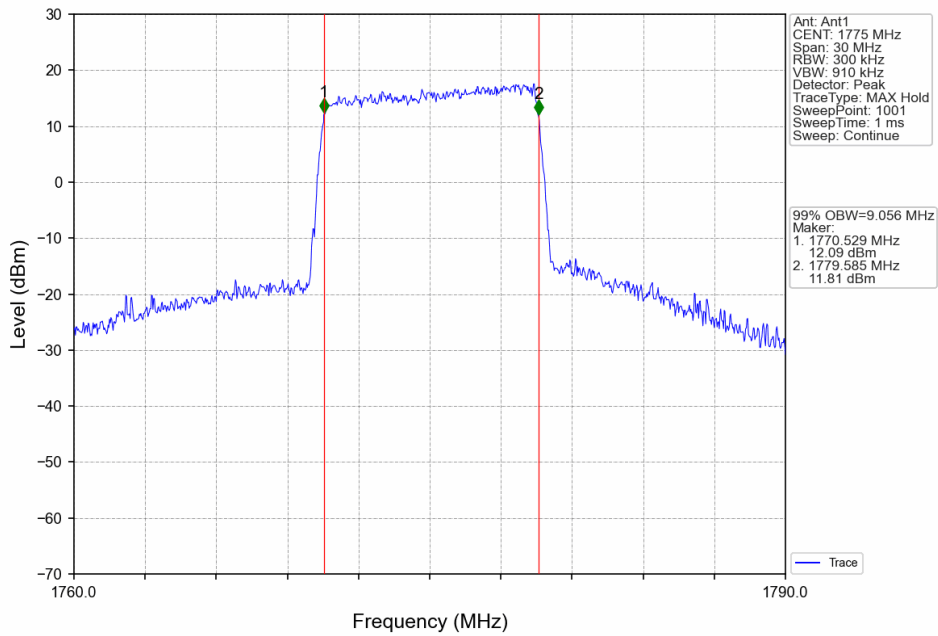




Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV

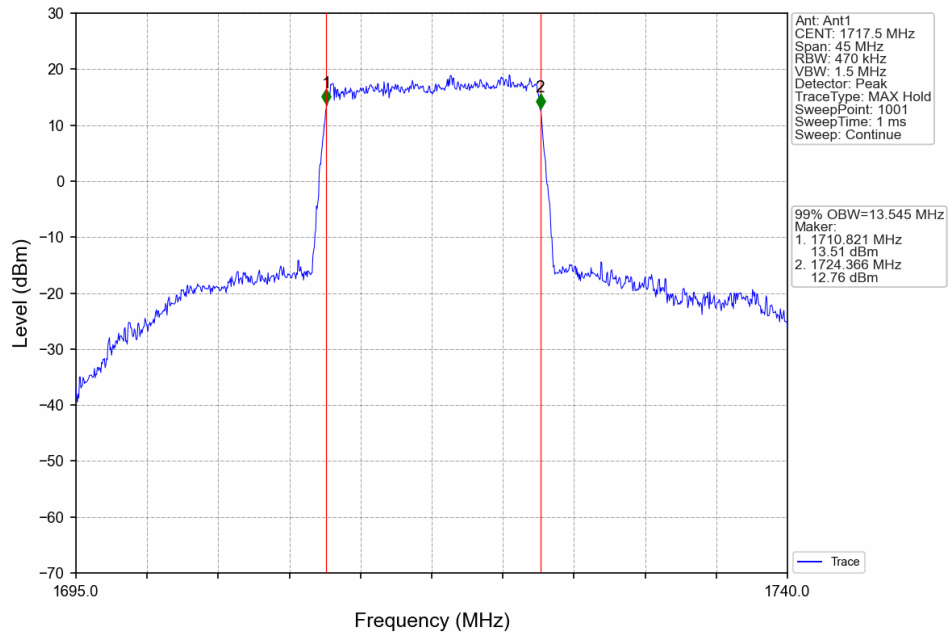


Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV

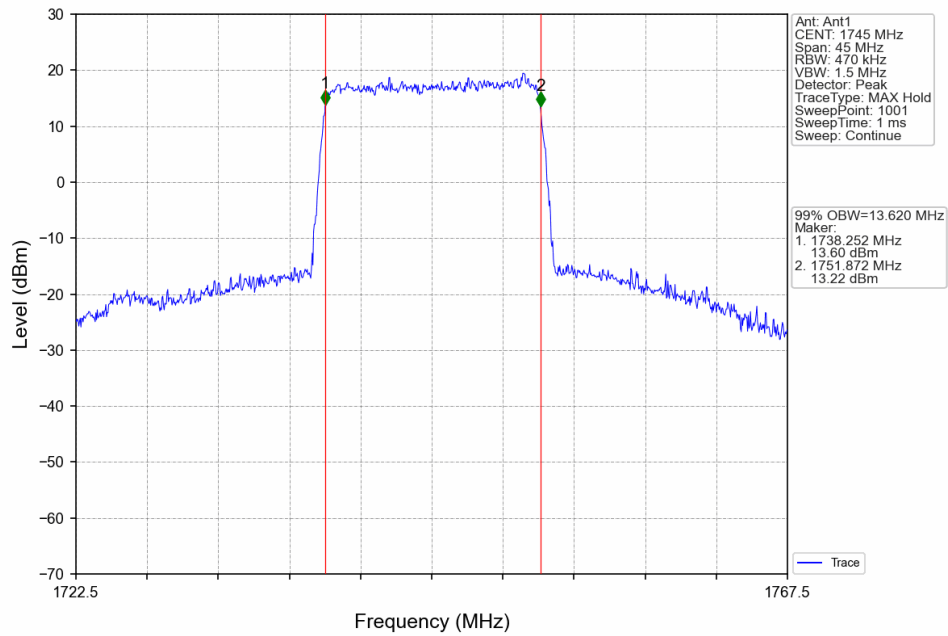




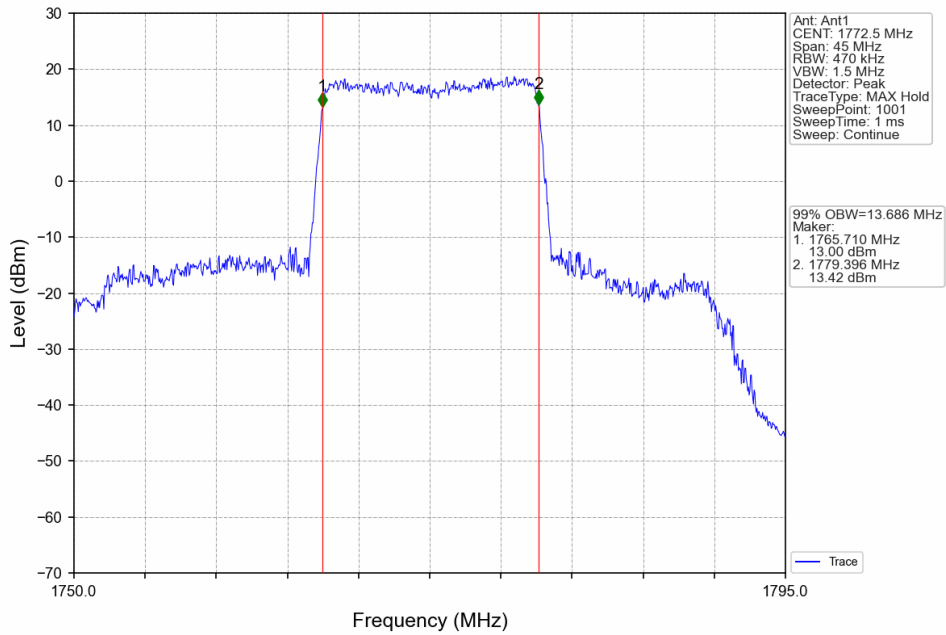
Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



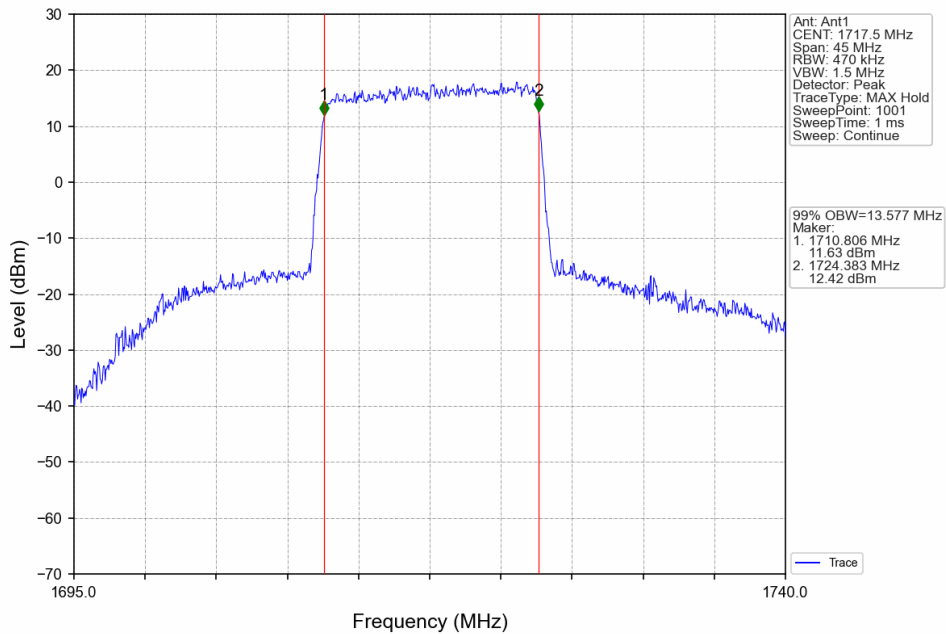
Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV



Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



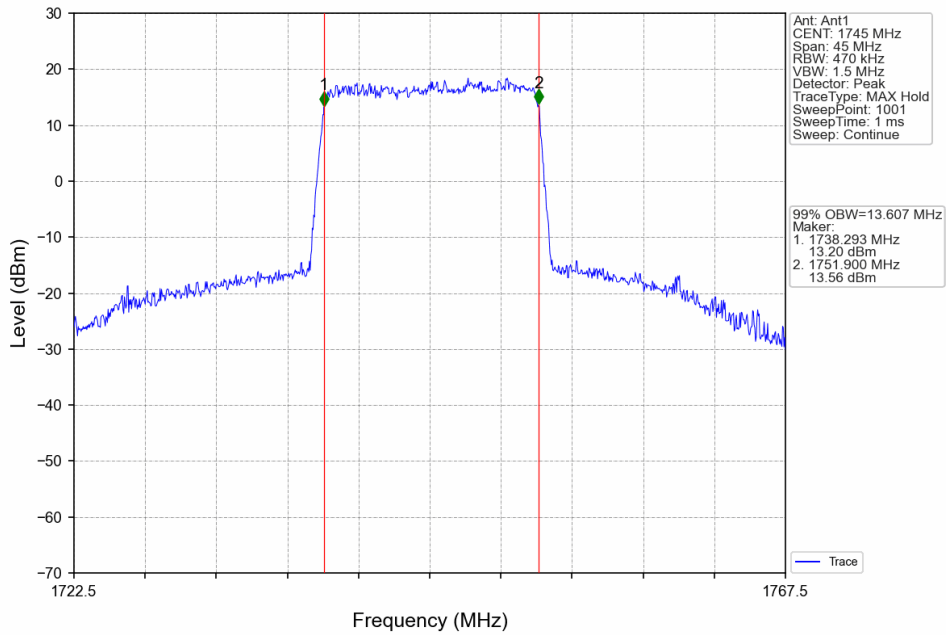
Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



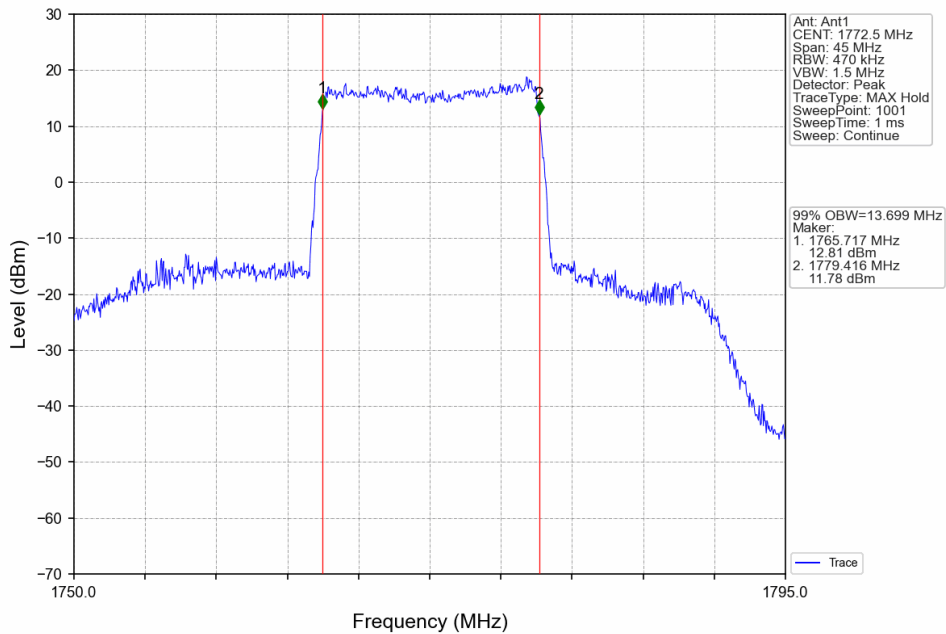




Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV

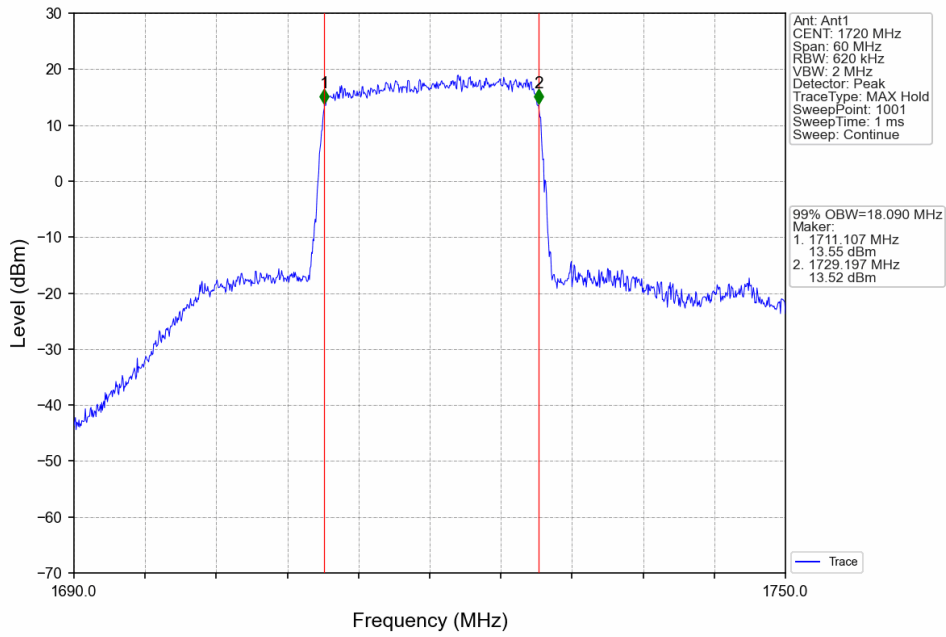


Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV

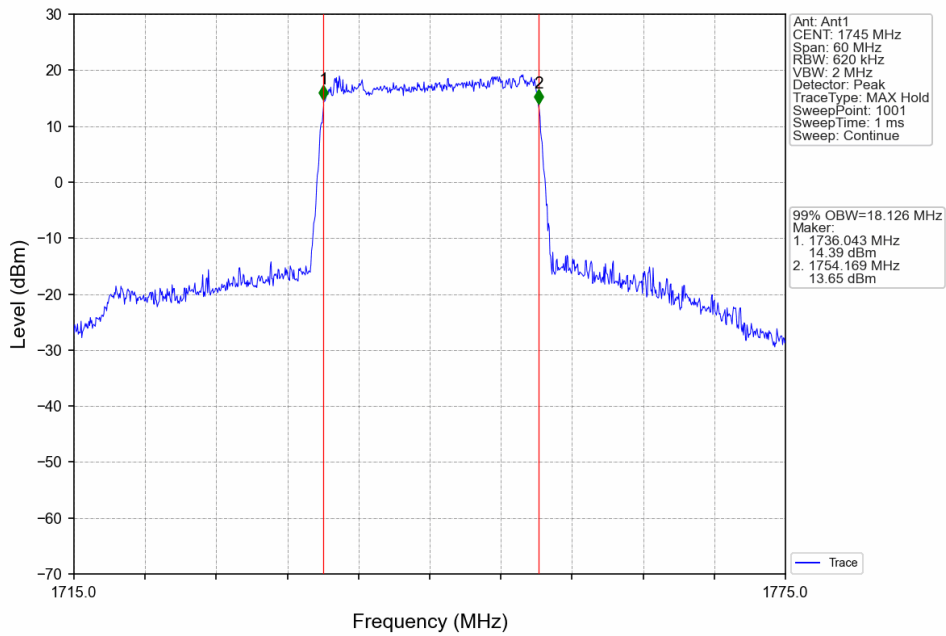




Band66\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV

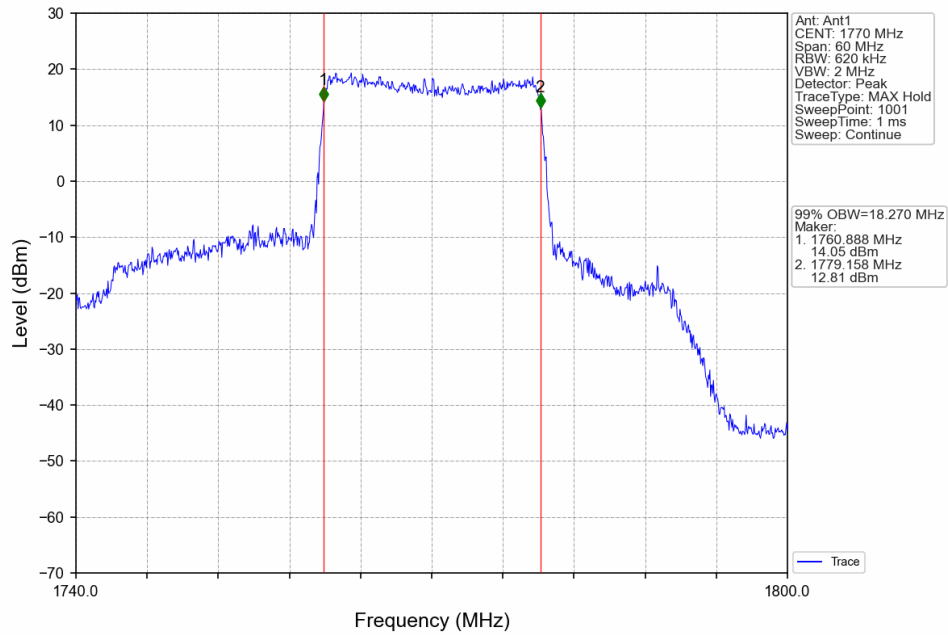


Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_100\_0\_NTNV

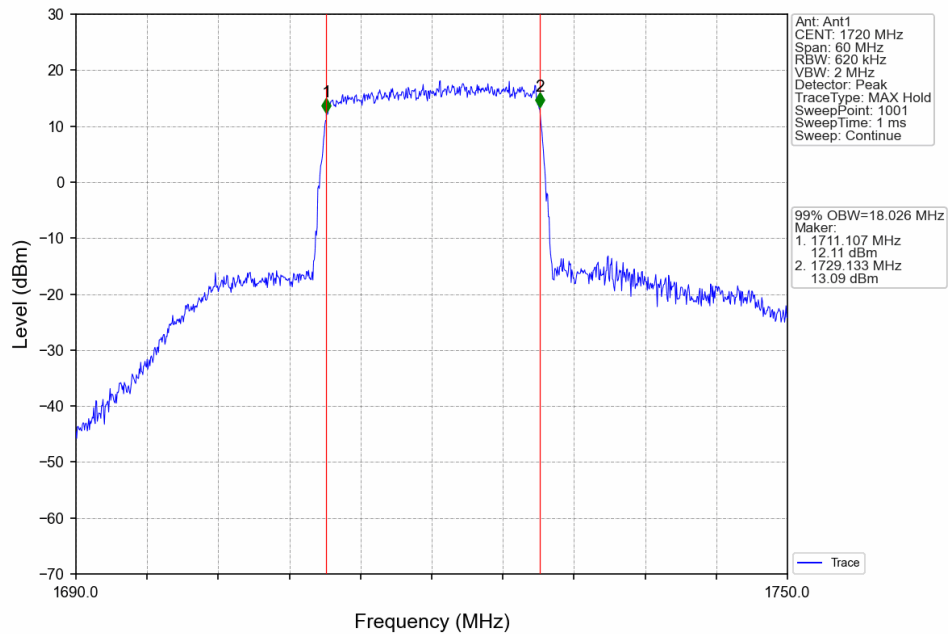




Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV

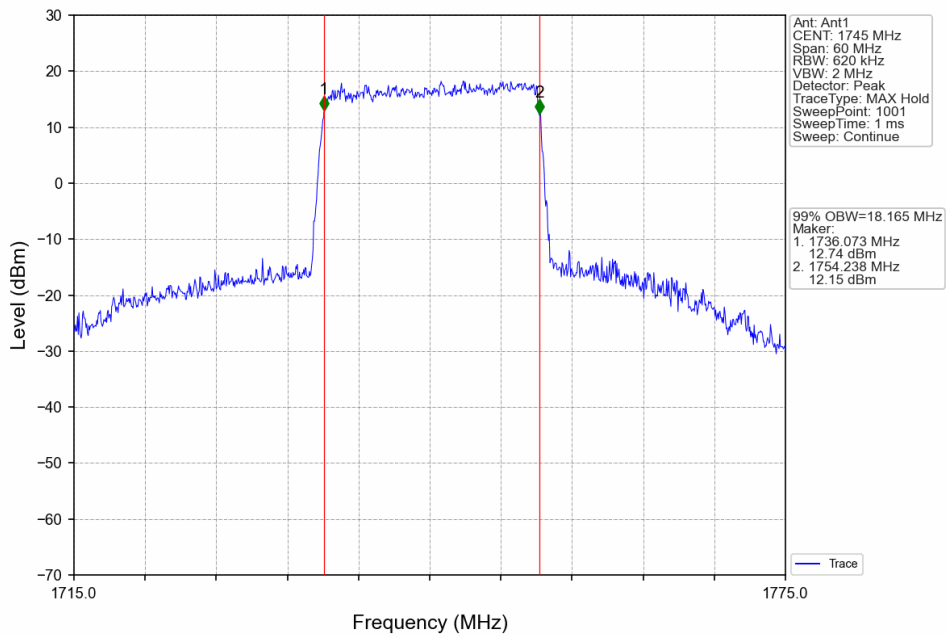


Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

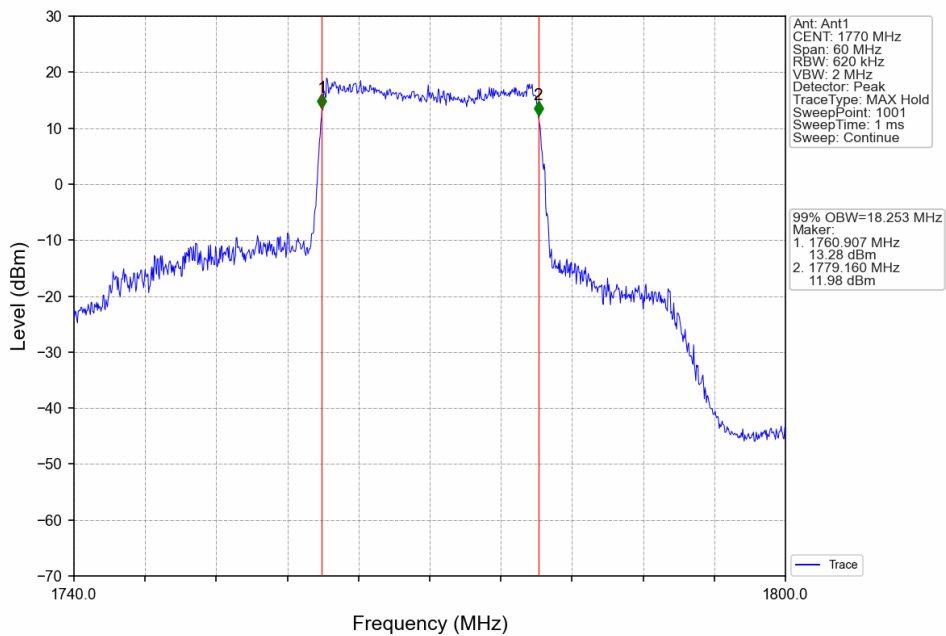




Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV



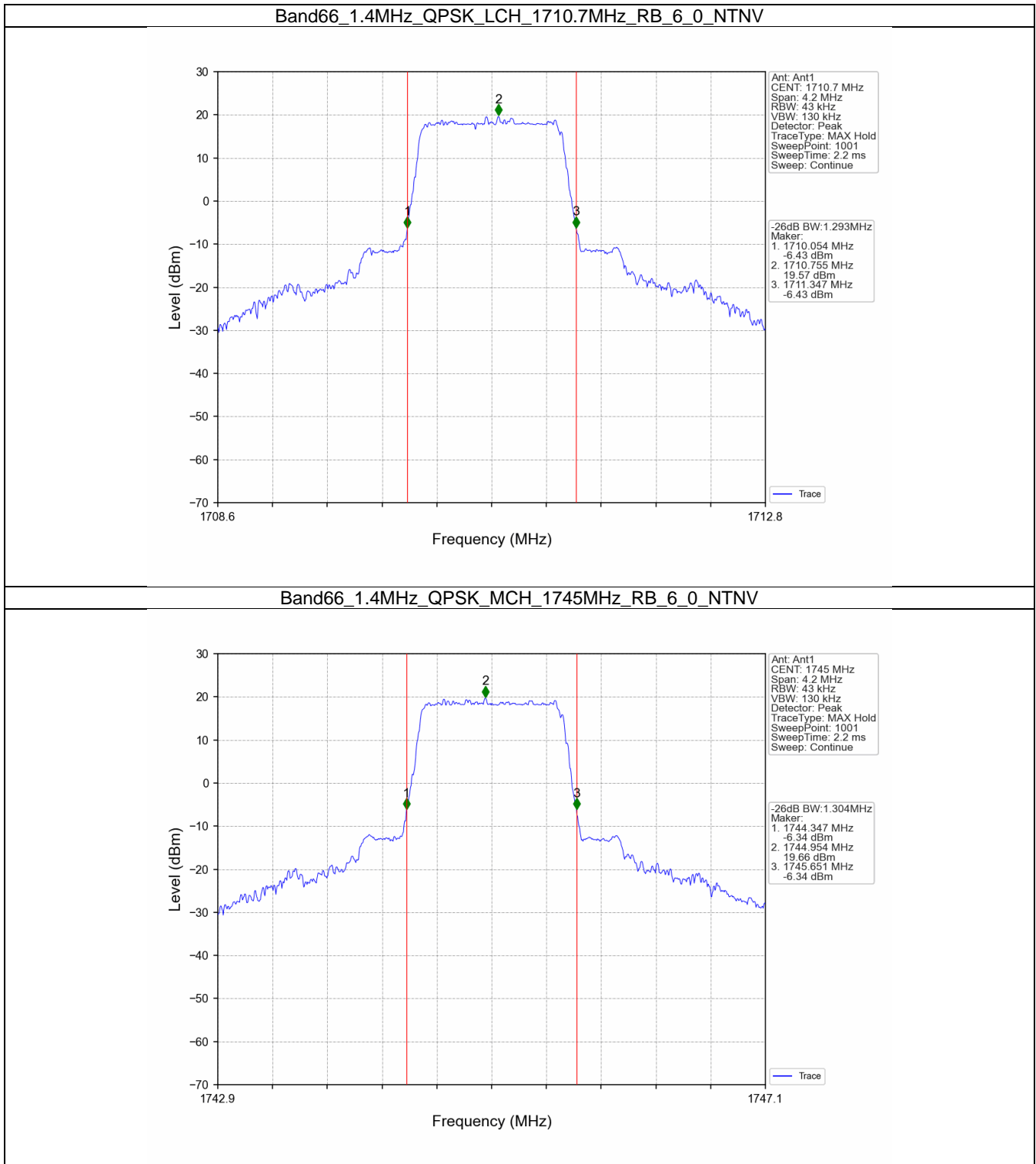


## 4.2 Band66\_XDB

### 4.2.1 Test Result

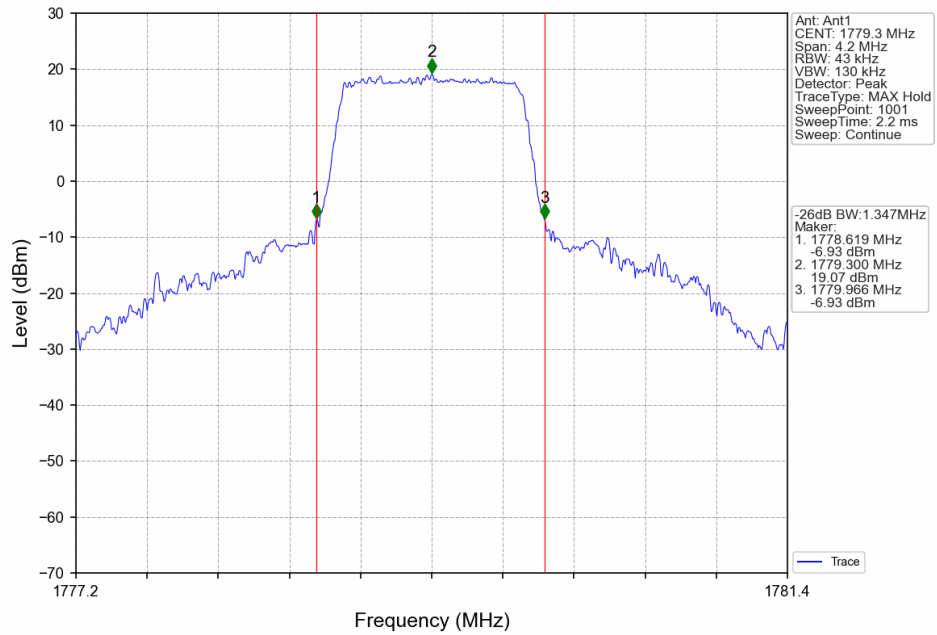
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.293	/	Pass
		1745	6	0	1.304	/	Pass
		1779.3	6	0	1.347	/	Pass
	16QAM	1710.7	6	0	1.298	/	Pass
		1745	6	0	1.330	/	Pass
		1779.3	6	0	1.297	/	Pass
3	QPSK	1711.5	15	0	3.041	/	Pass
		1745	15	0	3.046	/	Pass
		1778.5	15	0	3.058	/	Pass
	16QAM	1711.5	15	0	3.025	/	Pass
		1745	15	0	3.057	/	Pass
		1778.5	15	0	3.022	/	Pass
5	QPSK	1712.5	25	0	5.014	/	Pass
		1745	25	0	4.979	/	Pass
		1777.5	25	0	4.981	/	Pass
	16QAM	1712.5	25	0	4.992	/	Pass
		1745	25	0	5.011	/	Pass
		1777.5	25	0	4.992	/	Pass
10	QPSK	1715	50	0	9.883	/	Pass
		1745	50	0	9.873	/	Pass
		1775	50	0	9.892	/	Pass
	16QAM	1715	50	0	9.974	/	Pass
		1745	50	0	9.884	/	Pass
		1775	50	0	9.902	/	Pass
15	QPSK	1717.5	75	0	14.840	/	Pass
		1745	75	0	14.879	/	Pass
		1772.5	75	0	14.908	/	Pass
	16QAM	1717.5	75	0	14.843	/	Pass
		1745	75	0	14.877	/	Pass
		1772.5	75	0	14.903	/	Pass
20	QPSK	1720	100	0	19.591	/	Pass
		1745	100	0	19.663	/	Pass
		1770	100	0	19.831	/	Pass
	16QAM	1720	100	0	19.589	/	Pass
		1745	100	0	19.754	/	Pass
		1770	100	0	19.756	/	Pass

### 4.2.2 Test Graph

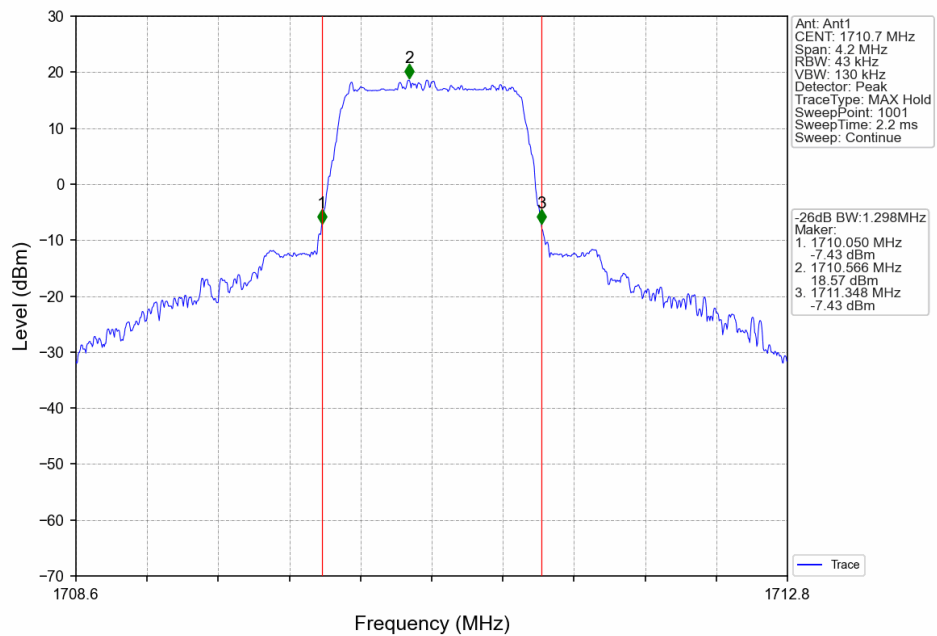




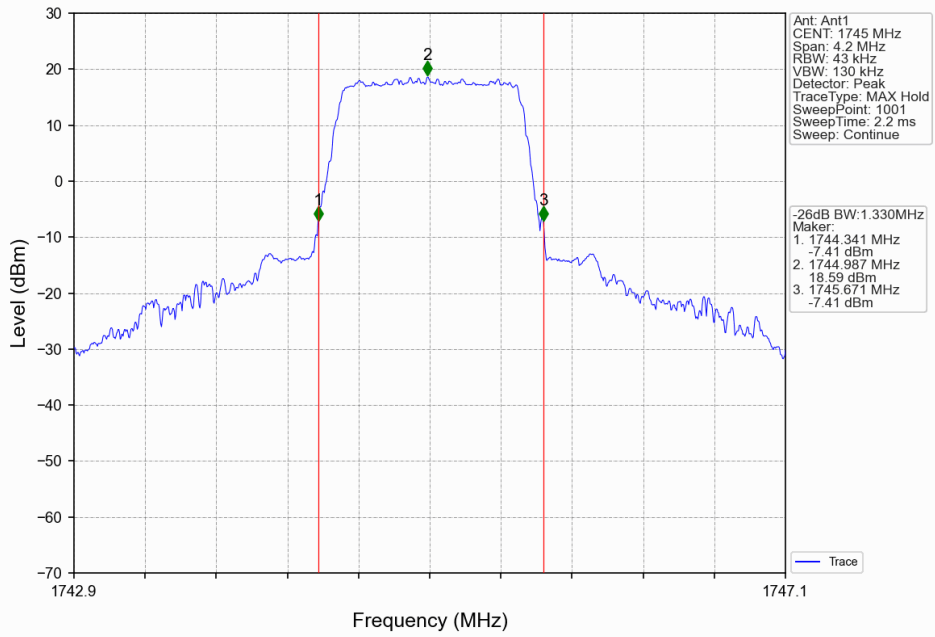
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



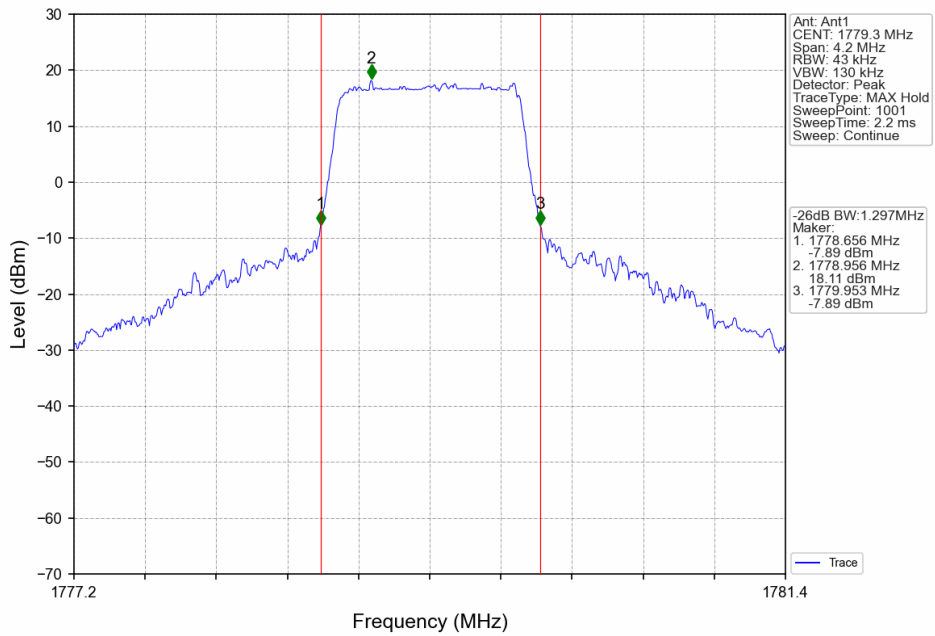
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



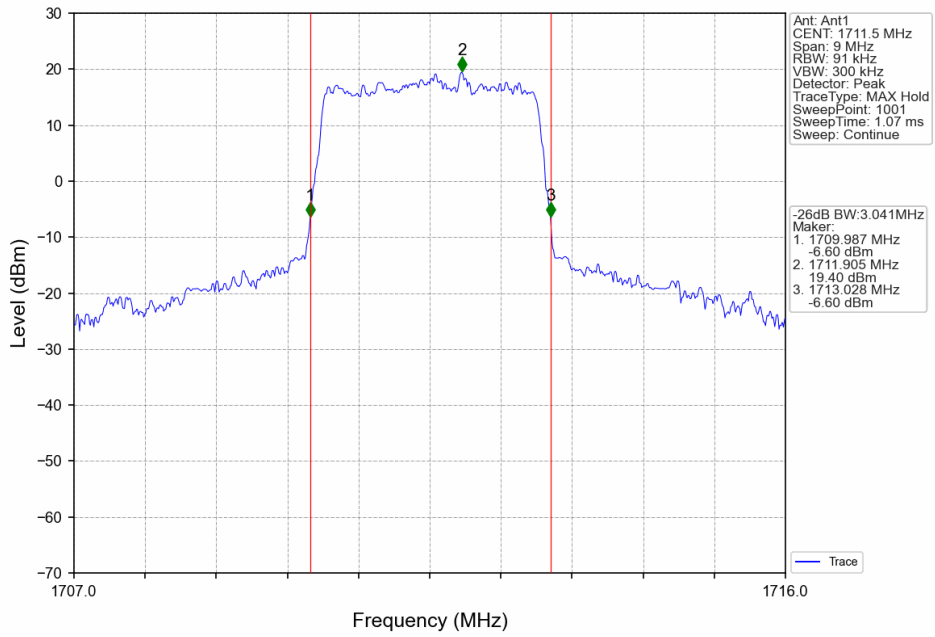
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



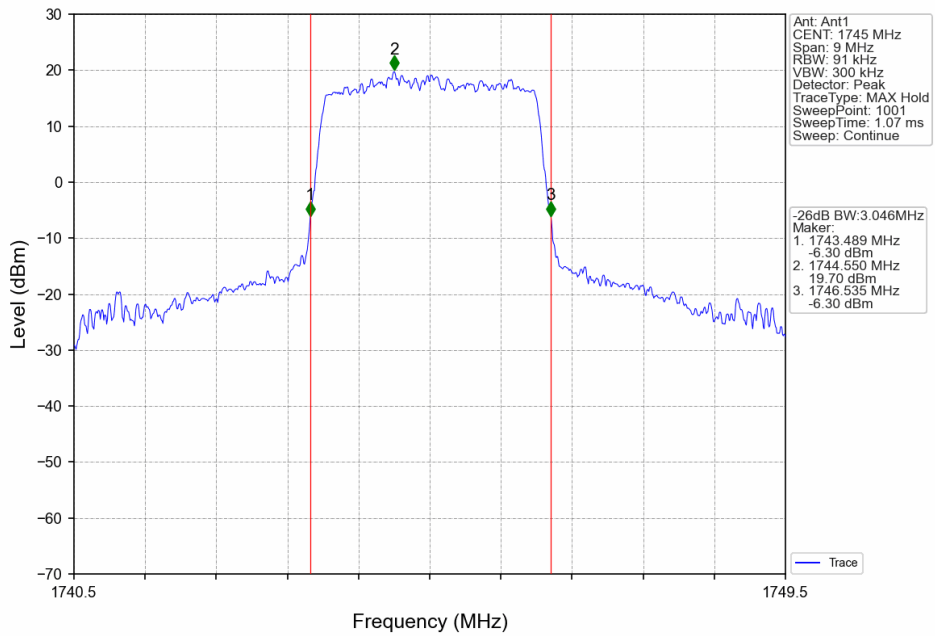




Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

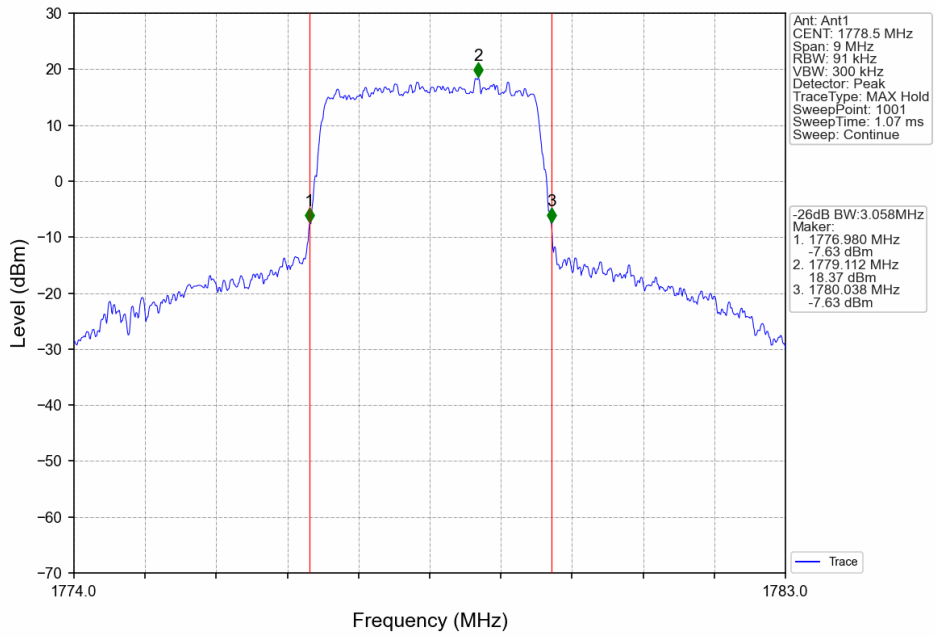


Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV

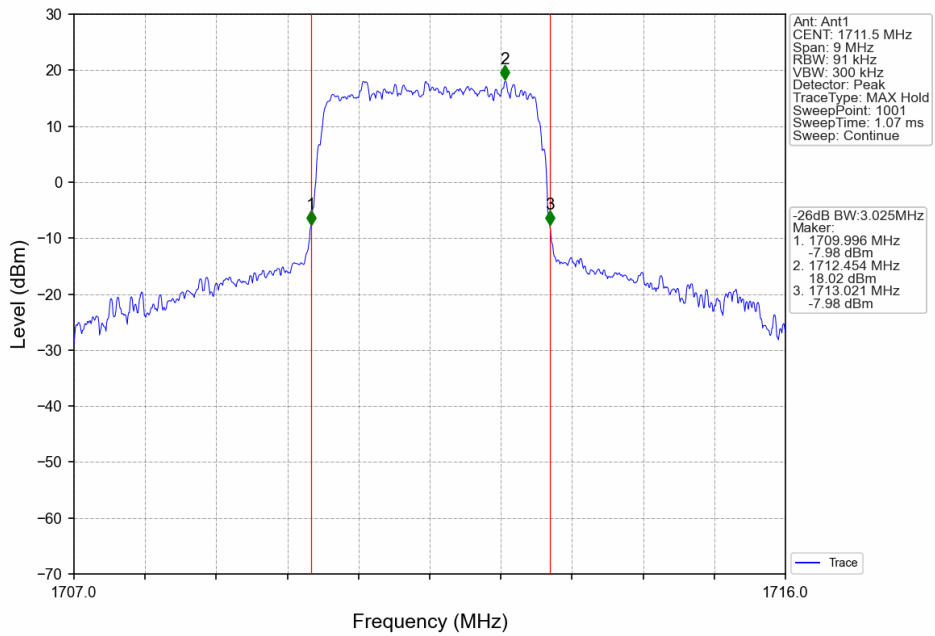




Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV

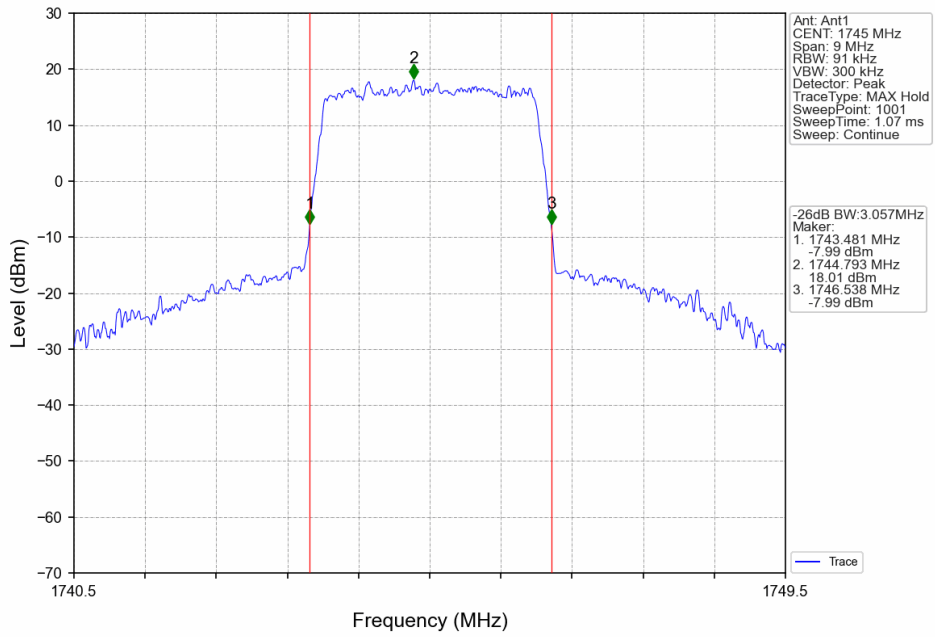


Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

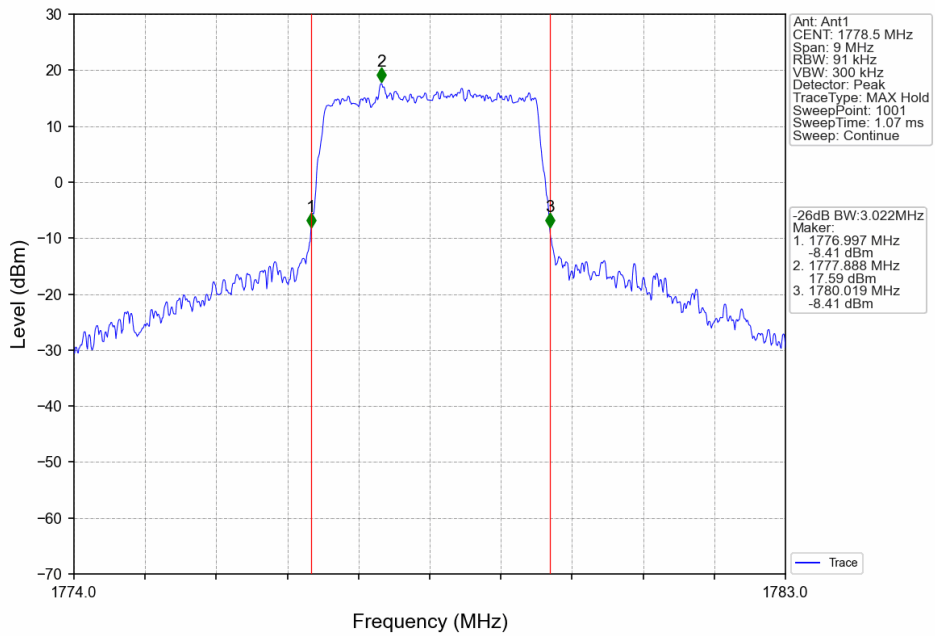




Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV

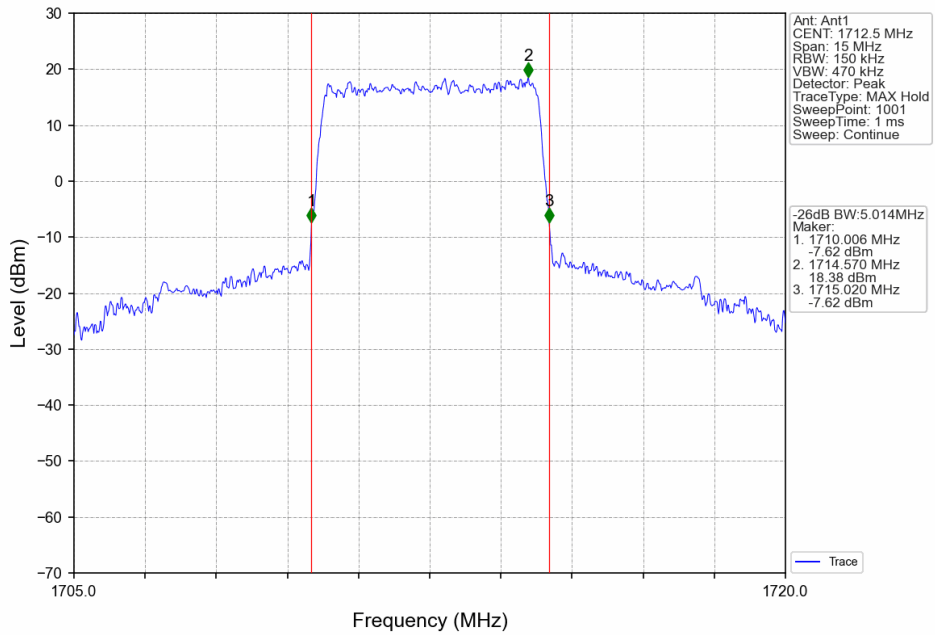


Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV

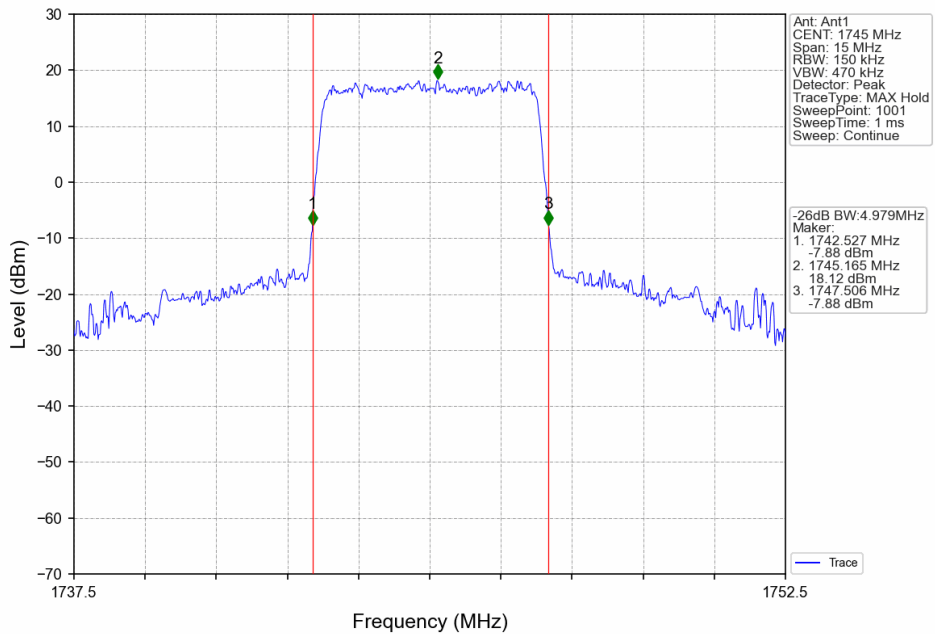




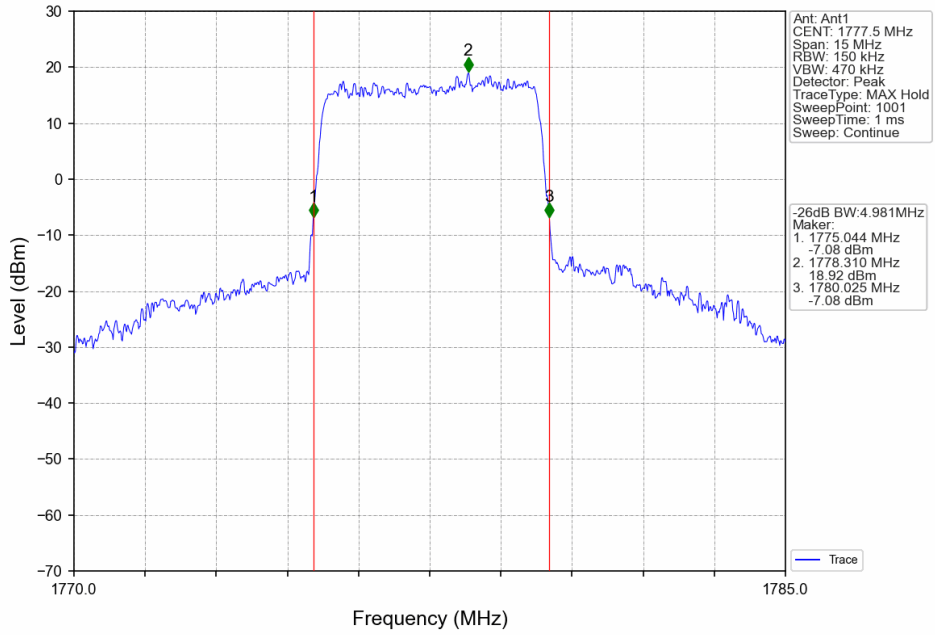
Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



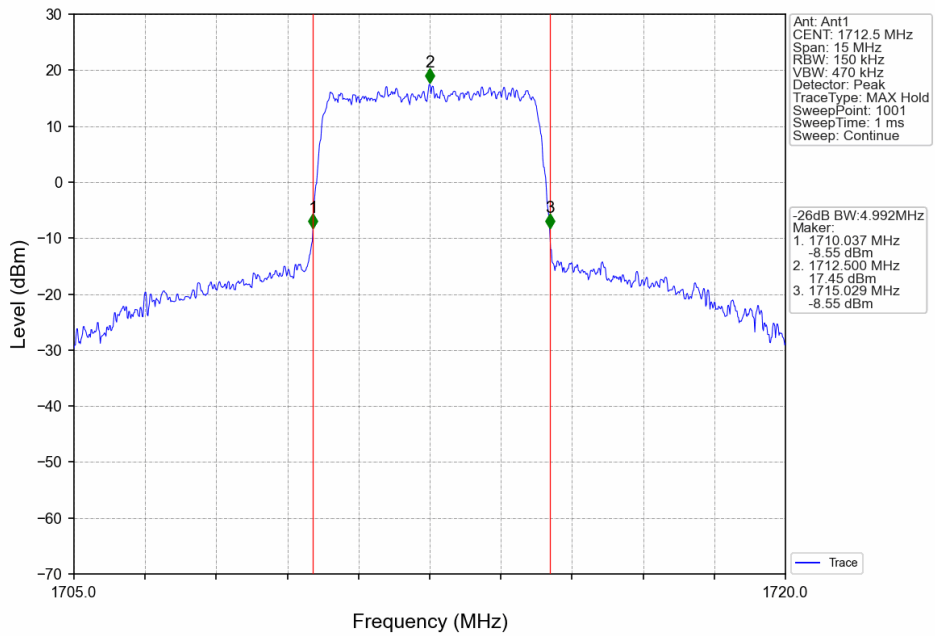
Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV



Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV

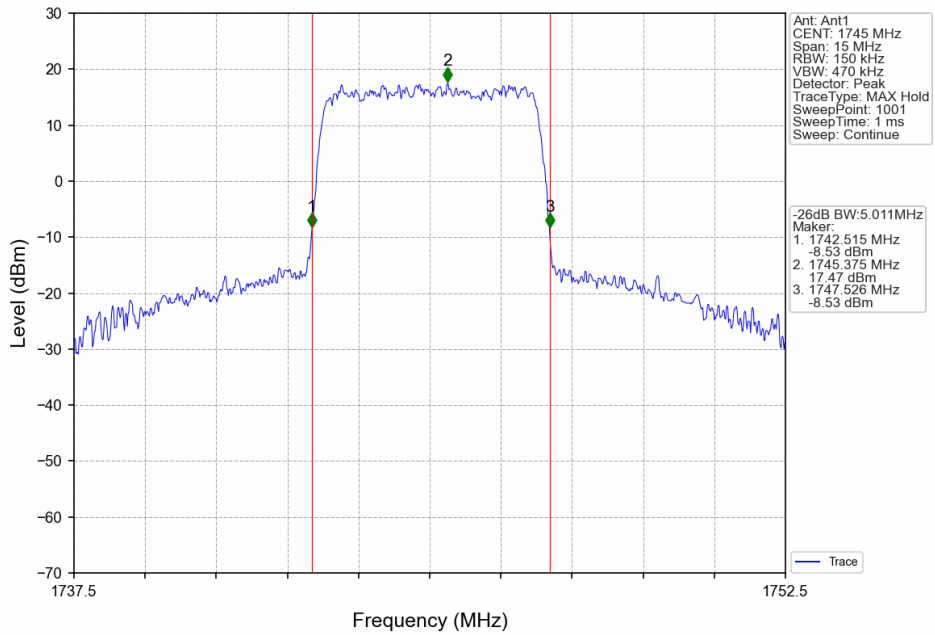


Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

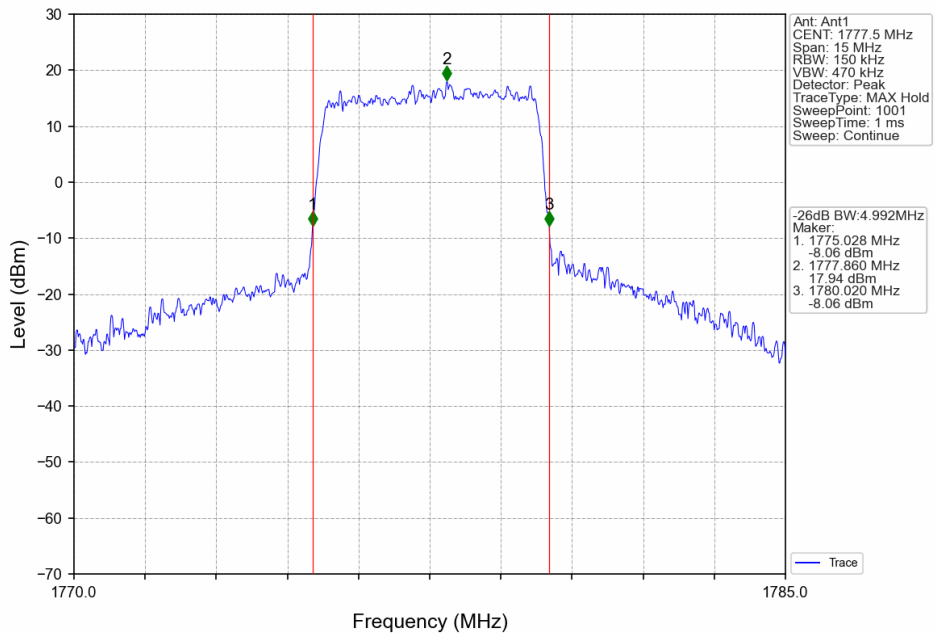




Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV

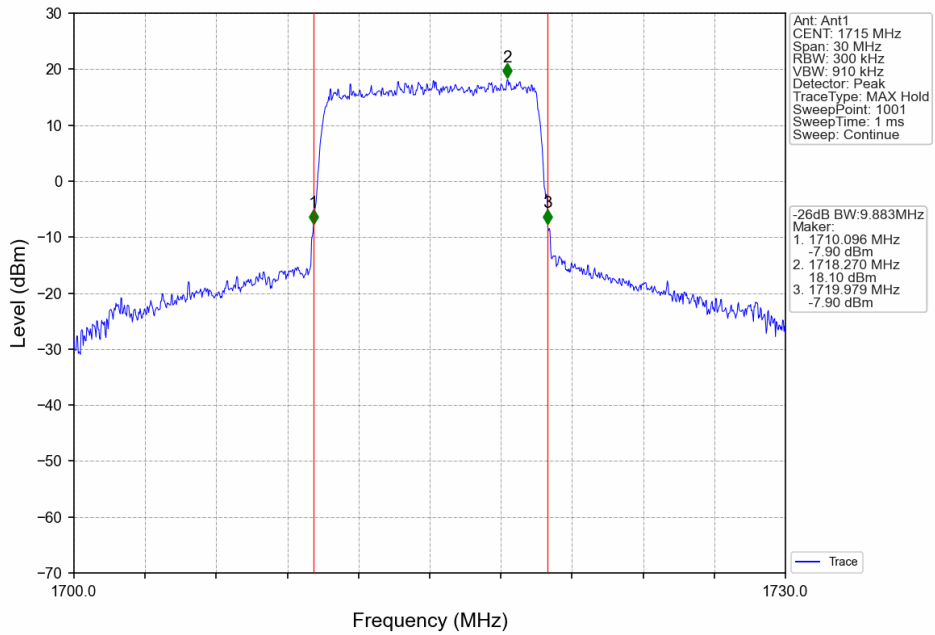


Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV





Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV

