

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B66\_1.4MHz\_EIRP

### 1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	12.13	0.92	13.05	<=30	Pass		
			2	12.17	0.92	13.09	<=30	Pass		
			5	11.88	0.92	12.80	<=30	Pass		
		3	0	12.15	0.92	13.07	<=30	Pass		
			2	12.17	0.92	13.09	<=30	Pass		
			3	12.04	0.92	12.96	<=30	Pass		
		6	0	11.13	0.92	12.05	<=30	Pass		
		1745	1	0	12.80	0.92	13.72	<=30	Pass	
				2	13.00	0.92	13.92	<=30	Pass	
	5			12.97	0.92	13.89	<=30	Pass		
	3		0	12.86	0.92	13.78	<=30	Pass		
			2	12.94	0.92	13.86	<=30	Pass		
			3	12.95	0.92	13.87	<=30	Pass		
	6		0	11.98	0.92	12.90	<=30	Pass		
	1779.3		1	0	18.95	0.92	19.87	<=30	Pass	
				2	19.12	0.92	20.04	<=30	Pass	
		5		19.02	0.92	19.94	<=30	Pass		
		3	0	18.81	0.92	19.73	<=30	Pass		
			2	18.86	0.92	19.78	<=30	Pass		
			3	18.82	0.92	19.74	<=30	Pass		
		6	0	17.95	0.92	18.87	<=30	Pass		
		16QAM	1710.7	1	0	11.25	0.92	12.17	<=30	Pass
					2	11.30	0.92	12.22	<=30	Pass
	5				11.02	0.92	11.94	<=30	Pass	
3	0			11.13	0.92	12.05	<=30	Pass		
	2			11.07	0.92	11.99	<=30	Pass		
	3			11.00	0.92	11.92	<=30	Pass		
6	0			10.05	0.92	10.97	<=30	Pass		
1745	1			0	11.68	0.92	12.60	<=30	Pass	
				2	11.85	0.92	12.77	<=30	Pass	
			5	11.86	0.92	12.78	<=30	Pass		
	3		0	11.98	0.92	12.90	<=30	Pass		
			2	12.10	0.92	13.02	<=30	Pass		
			3	12.09	0.92	13.01	<=30	Pass		
	6		0	10.89	0.92	11.81	<=30	Pass		
	1779.3		1	0	17.84	0.92	18.76	<=30	Pass	
				2	17.95	0.92	18.87	<=30	Pass	
5				17.92	0.92	18.84	<=30	Pass		
3			0	17.67	0.92	18.59	<=30	Pass		
			2	17.76	0.92	18.68	<=30	Pass		
			3	17.72	0.92	18.64	<=30	Pass		
6			0	16.82	0.92	17.74	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B66\_3MHz\_EIRP

### 1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	12.29	0.92	13.21	<=30	Pass
			7	12.11	0.92	13.03	<=30	Pass
			14	11.63	0.92	12.55	<=30	Pass
		8	0	11.06	0.92	11.98	<=30	Pass
			4	10.93	0.92	11.85	<=30	Pass
			7	10.80	0.92	11.72	<=30	Pass
	15	0	10.90	0.92	11.82	<=30	Pass	
	1745	1	0	12.80	0.92	13.72	<=30	Pass
			7	13.16	0.92	14.08	<=30	Pass
			14	13.26	0.92	14.18	<=30	Pass
		8	0	11.90	0.92	12.82	<=30	Pass
			4	12.10	0.92	13.02	<=30	Pass
			7	12.15	0.92	13.07	<=30	Pass
	15	0	11.97	0.92	12.89	<=30	Pass	
	1778.5	1	0	18.88	0.92	19.80	<=30	Pass
			7	19.05	0.92	19.97	<=30	Pass
			14	19.05	0.92	19.97	<=30	Pass
		8	0	17.87	0.92	18.79	<=30	Pass
4			17.98	0.92	18.90	<=30	Pass	
7			17.96	0.92	18.88	<=30	Pass	
15	0	17.84	0.92	18.76	<=30	Pass		
16QAM	1711.5	1	0	11.20	0.92	12.12	<=30	Pass
			7	11.06	0.92	11.98	<=30	Pass
			14	10.59	0.92	11.51	<=30	Pass
		8	0	10.08	0.92	11.00	<=30	Pass
			4	9.96	0.92	10.88	<=30	Pass
			7	9.79	0.92	10.71	<=30	Pass
	15	0	9.92	0.92	10.84	<=30	Pass	
	1745	1	0	11.86	0.92	12.78	<=30	Pass
			7	12.20	0.92	13.12	<=30	Pass
			14	12.32	0.92	13.24	<=30	Pass
		8	0	10.80	0.92	11.72	<=30	Pass
			4	10.95	0.92	11.87	<=30	Pass
			7	10.99	0.92	11.91	<=30	Pass
	15	0	10.88	0.92	11.80	<=30	Pass	
	1778.5	1	0	18.11	0.92	19.03	<=30	Pass
			7	18.33	0.92	19.25	<=30	Pass
			14	18.29	0.92	19.21	<=30	Pass
		8	0	16.86	0.92	17.78	<=30	Pass
4			16.97	0.92	17.89	<=30	Pass	
7			17.00	0.92	17.92	<=30	Pass	
15	0	16.79	0.92	17.71	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.3 B66\_5MHz\_EIRP

### 1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	12.14	0.92	13.06	<=30	Pass		
			13	11.69	0.92	12.61	<=30	Pass		
			24	11.13	0.92	12.05	<=30	Pass		
		12	0	10.89	0.92	11.81	<=30	Pass		
			6	10.73	0.92	11.65	<=30	Pass		
			13	10.39	0.92	11.31	<=30	Pass		
		25	0	10.67	0.92	11.59	<=30	Pass		
		1745	1	0	12.53	0.92	13.45	<=30	Pass	
				13	13.11	0.92	14.03	<=30	Pass	
	24			13.35	0.92	14.27	<=30	Pass		
	12		0	11.73	0.92	12.65	<=30	Pass		
			6	11.98	0.92	12.90	<=30	Pass		
			13	12.17	0.92	13.09	<=30	Pass		
	25		0	11.96	0.92	12.88	<=30	Pass		
	1777.5		1	0	18.53	0.92	19.45	<=30	Pass	
				13	18.92	0.92	19.84	<=30	Pass	
		24		18.96	0.92	19.88	<=30	Pass		
		12	0	17.61	0.92	18.53	<=30	Pass		
			6	17.75	0.92	18.67	<=30	Pass		
			13	17.81	0.92	18.73	<=30	Pass		
		25	0	17.71	0.92	18.63	<=30	Pass		
		16QAM	1712.5	1	0	11.17	0.92	12.09	<=30	Pass
					13	10.74	0.92	11.66	<=30	Pass
	24				10.13	0.92	11.05	<=30	Pass	
12	0			9.88	0.92	10.80	<=30	Pass		
	6			9.72	0.92	10.64	<=30	Pass		
	13			9.41	0.92	10.33	<=30	Pass		
25	0			9.66	0.92	10.58	<=30	Pass		
1745	1			0	11.67	0.92	12.59	<=30	Pass	
				13	12.21	0.92	13.13	<=30	Pass	
			24	12.45	0.92	13.37	<=30	Pass		
	12		0	10.72	0.92	11.64	<=30	Pass		
			6	10.97	0.92	11.89	<=30	Pass		
			13	11.18	0.92	12.10	<=30	Pass		
	25		0	10.91	0.92	11.83	<=30	Pass		
	1777.5		1	0	17.21	0.92	18.13	<=30	Pass	
				13	17.60	0.92	18.52	<=30	Pass	
24				17.67	0.92	18.59	<=30	Pass		
12			0	16.52	0.92	17.44	<=30	Pass		
			6	16.72	0.92	17.64	<=30	Pass		
			13	16.76	0.92	17.68	<=30	Pass		
25			0	16.67	0.92	17.59	<=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	12.13	0.92	13.05	<=30	Pass		
			25	11.25	0.92	12.17	<=30	Pass		
			49	10.28	0.92	11.20	<=30	Pass		
		25	0	10.69	0.92	11.61	<=30	Pass		
			13	10.18	0.92	11.10	<=30	Pass		
			25	9.75	0.92	10.67	<=30	Pass		
		50	0	10.23	0.92	11.15	<=30	Pass		
		1745	1	0	12.09	0.92	13.01	<=30	Pass	
				25	12.75	0.92	13.67	<=30	Pass	
	49			13.36	0.92	14.28	<=30	Pass		
	25		0	11.15	0.92	12.07	<=30	Pass		
			13	11.87	0.92	12.79	<=30	Pass		
			25	12.05	0.92	12.97	<=30	Pass		
	50		0	11.70	0.92	12.62	<=30	Pass		
	1775		1	0	17.56	0.92	18.48	<=30	Pass	
				25	18.32	0.92	19.24	<=30	Pass	
		49		18.61	0.92	19.53	<=30	Pass		
		25	0	16.76	0.92	17.68	<=30	Pass		
			13	17.05	0.92	17.97	<=30	Pass		
			25	17.28	0.92	18.20	<=30	Pass		
		50	0	17.02	0.92	17.94	<=30	Pass		
		16QAM	1715	1	0	11.25	0.92	12.17	<=30	Pass
					25	10.40	0.92	11.32	<=30	Pass
	49				9.42	0.92	10.34	<=30	Pass	
25	0			9.67	0.92	10.59	<=30	Pass		
	13			9.16	0.92	10.08	<=30	Pass		
	25			8.72	0.92	9.64	<=30	Pass		
50	0			9.20	0.92	10.12	<=30	Pass		
1745	1			0	11.13	0.92	12.05	<=30	Pass	
				25	12.05	0.92	12.97	<=30	Pass	
			49	12.70	0.92	13.62	<=30	Pass		
	25		0	10.09	0.92	11.01	<=30	Pass		
			13	10.56	0.92	11.48	<=30	Pass		
			25	10.98	0.92	11.90	<=30	Pass		
	50		0	10.53	0.92	11.45	<=30	Pass		
	1775		1	0	16.35	0.92	17.27	<=30	Pass	
				25	17.14	0.92	18.06	<=30	Pass	
49				17.38	0.92	18.30	<=30	Pass		
25			0	15.74	0.92	16.66	<=30	Pass		
			13	16.04	0.92	16.96	<=30	Pass		
			25	16.29	0.92	17.21	<=30	Pass		
50			0	15.99	0.92	16.91	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.5 B66\_15MHz\_EIRP

### 1.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	12.04	0.92	12.96	<=30	Pass		
			38	10.56	0.92	11.48	<=30	Pass		
			74	9.79	0.92	10.71	<=30	Pass		
		36	0	10.44	0.92	11.36	<=30	Pass		
			18	9.74	0.92	10.66	<=30	Pass		
			39	8.79	0.92	9.71	<=30	Pass		
		75	0	9.35	0.92	10.27	<=30	Pass		
		1745	1	0	11.20	0.92	12.12	<=30	Pass	
				38	12.56	0.92	13.48	<=30	Pass	
	74			13.66	0.92	14.58	<=30	Pass		
	36		0	10.94	0.92	11.86	<=30	Pass		
			18	11.60	0.92	12.52	<=30	Pass		
			39	12.34	0.92	13.26	<=30	Pass		
	75		0	11.73	0.92	12.65	<=30	Pass		
	1772.5		1	0	16.66	0.92	17.58	<=30	Pass	
				38	17.85	0.92	18.77	<=30	Pass	
		74		18.45	0.92	19.37	<=30	Pass		
		36	0	16.32	0.92	17.24	<=30	Pass		
			18	16.82	0.92	17.74	<=30	Pass		
			39	17.31	0.92	18.23	<=30	Pass		
		75	0	16.86	0.92	17.78	<=30	Pass		
		16QAM	1717.5	1	0	10.82	0.92	11.74	<=30	Pass
					38	9.42	0.92	10.34	<=30	Pass
	74				8.65	0.92	9.57	<=30	Pass	
36	0			8.87	0.92	9.79	<=30	Pass		
	18			8.19	0.92	9.11	<=30	Pass		
	39			7.67	0.92	8.59	<=30	Pass		
75	0			8.28	0.92	9.20	<=30	Pass		
1745	1			0	10.32	0.92	11.24	<=30	Pass	
				38	11.65	0.92	12.57	<=30	Pass	
			74	12.74	0.92	13.66	<=30	Pass		
	36		0	9.87	0.92	10.79	<=30	Pass		
			18	10.49	0.92	11.41	<=30	Pass		
			39	11.25	0.92	12.17	<=30	Pass		
	75		0	10.66	0.92	11.58	<=30	Pass		
	1772.5		1	0	15.91	0.92	16.83	<=30	Pass	
				38	17.10	0.92	18.02	<=30	Pass	
74				17.71	0.92	18.63	<=30	Pass		
36			0	15.23	0.92	16.15	<=30	Pass		
			18	15.75	0.92	16.67	<=30	Pass		
			39	16.22	0.92	17.14	<=30	Pass		
75			0	15.73	0.92	16.65	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.6 B66\_20MHz\_EIRP

### 1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNv						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit			
QPSK	1720	1	0	11.66	0.92	12.58	<=30	Pass		
			50	9.79	0.92	10.71	<=30	Pass		
			99	9.41	0.92	10.33	<=30	Pass		
		50	0	9.55	0.92	10.47	<=30	Pass		
			25	8.80	0.92	9.72	<=30	Pass		
			50	8.50	0.92	9.42	<=30	Pass		
		100	0	9.09	0.92	10.01	<=30	Pass		
		1745	1	0	10.63	0.92	11.55	<=30	Pass	
				50	12.72	0.92	13.64	<=30	Pass	
	99			13.96	0.92	14.88	<=30	Pass		
	50		0	10.67	0.92	11.59	<=30	Pass		
			25	11.56	0.92	12.48	<=30	Pass		
			50	12.40	0.92	13.32	<=30	Pass		
	100		0	11.66	0.92	12.58	<=30	Pass		
	1770		1	0	15.44	0.92	16.36	<=30	Pass	
				50	17.57	0.92	18.49	<=30	Pass	
		99		18.20	0.92	19.12	<=30	Pass		
		50	0	15.51	0.92	16.43	<=30	Pass		
			25	16.30	0.92	17.22	<=30	Pass		
			50	16.91	0.92	17.83	<=30	Pass		
		100	0	16.27	0.92	17.19	<=30	Pass		
		16QAM	1720	1	0	10.76	0.92	11.68	<=30	Pass
					50	9.32	0.92	10.24	<=30	Pass
	99				8.85	0.92	9.77	<=30	Pass	
50	0			8.55	0.92	9.47	<=30	Pass		
	25			7.79	0.92	8.71	<=30	Pass		
	50			7.44	0.92	8.36	<=30	Pass		
100	0			8.05	0.92	8.97	<=30	Pass		
1745	1			0	9.80	0.92	10.72	<=30	Pass	
				50	11.82	0.92	12.74	<=30	Pass	
			99	13.05	0.92	13.97	<=30	Pass		
	50		0	9.60	0.92	10.52	<=30	Pass		
			25	10.52	0.92	11.44	<=30	Pass		
			50	11.35	0.92	12.27	<=30	Pass		
	100		0	10.60	0.92	11.52	<=30	Pass		
	1770		1	0	14.57	0.92	15.49	<=30	Pass	
				50	16.66	0.92	17.58	<=30	Pass	
99				17.33	0.92	18.25	<=30	Pass		
50			0	14.45	0.92	15.37	<=30	Pass		
			25	15.21	0.92	16.13	<=30	Pass		
			50	15.83	0.92	16.75	<=30	Pass		
100			0	15.19	0.92	16.11	<=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	-15.693	-0.0092	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-12.274	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-5.565	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
	50	3.85	1.903	0.0011	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	-3.877	-0.0022	-2.5 to 2.5	Pass
					3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
					4.43	3.591	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-3.905	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				-10	3.85	6.967	0.0040	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-9.699	-0.0056	-2.5 to 2.5	Pass
				30	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				40	3.85	-9.642	-0.0055	-2.5 to 2.5	Pass
	50	3.85	2.561	0.0015	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.27	-18.468	-0.0104	-2.5 to 2.5	Pass
					3.85	-11.086	-0.0062	-2.5 to 2.5	Pass
					4.43	1.345	0.0008	-2.5 to 2.5	Pass
				-30	3.85	3.090	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-10.414	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				0	3.85	-13.304	-0.0075	-2.5 to 2.5	Pass
				10	3.85	3.734	0.0021	-2.5 to 2.5	Pass
30				3.85	-1.960	-0.0011	-2.5 to 2.5	Pass	
40				3.85	-13.390	-0.0075	-2.5 to 2.5	Pass	
50	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-7.424	-0.0043	-2.5 to 2.5	Pass
					3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.230	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-12.746	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-8.011	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				30	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				40	3.85	3.319	0.0019	-2.5 to 2.5	Pass
	50	3.85	4.621	0.0027	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	-14.834	-0.0085	-2.5 to 2.5	Pass
					3.85	-8.197	-0.0047	-2.5 to 2.5	Pass
					4.43	-9.556	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	4.034	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-11.086	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				10	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass

	1779.3	6	0	40	3.85	-8.955	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				20	3.27	-1.903	-0.0011	-2.5 to 2.5	Pass
					3.85	-6.938	-0.0039	-2.5 to 2.5	Pass
					4.43	6.008	0.0034	-2.5 to 2.5	Pass
				-30	3.85	-13.618	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-9.456	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-10.371	-0.0058	-2.5 to 2.5	Pass
				10	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				30	3.85	-4.492	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-9.599	-0.0054	-2.5 to 2.5	Pass
				50	3.85	1.044	0.0006	-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	-10.929	-0.0064	-2.5 to 2.5	Pass
					3.85	-10.357	-0.0061	-2.5 to 2.5	Pass
					4.43	-12.002	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-9.685	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-12.059	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-8.869	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-9.813	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				50	3.85	2.675	0.0016	-2.5 to 2.5	Pass
				1745	15	0	20	3.27	-3.219
	3.85	-11.344	-0.0065					-2.5 to 2.5	Pass
	4.43	5.150	0.0030					-2.5 to 2.5	Pass
	-30	3.85	3.819				0.0022	-2.5 to 2.5	Pass
	-20	3.85	-12.131				-0.0070	-2.5 to 2.5	Pass
	-10	3.85	-5.651				-0.0032	-2.5 to 2.5	Pass
	0	3.85	0.844				0.0005	-2.5 to 2.5	Pass
	10	3.85	-5.851				-0.0034	-2.5 to 2.5	Pass
	30	3.85	-8.125				-0.0047	-2.5 to 2.5	Pass
	40	3.85	-7.968				-0.0046	-2.5 to 2.5	Pass
	50	3.85	5.994				0.0034	-2.5 to 2.5	Pass
	1778.5	15	0				20	3.27	-11.945
				3.85	1.488	0.0008		-2.5 to 2.5	Pass
				4.43	-8.097	-0.0046		-2.5 to 2.5	Pass
				-30	3.85	2.675	0.0015	-2.5 to 2.5	Pass
				-20	3.85	5.407	0.0030	-2.5 to 2.5	Pass
				-10	3.85	5.035	0.0028	-2.5 to 2.5	Pass
				0	3.85	-17.996	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-8.497	-0.0048	-2.5 to 2.5	Pass
30				3.85	3.490	0.0020	-2.5 to 2.5	Pass	



				40	3.85	-8.726	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-4.835	-0.0028	-2.5 to 2.5	Pass
					3.85	3.591	0.0021	-2.5 to 2.5	Pass
					4.43	-0.930	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	6.351	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-13.289	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-10.571	-0.0062	-2.5 to 2.5	Pass
				0	3.85	3.018	0.0018	-2.5 to 2.5	Pass
				10	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				30	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				40	3.85	6.924	0.0040	-2.5 to 2.5	Pass
				50	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				1745	15	0	20	3.27	-2.718
	3.85	-8.225	-0.0047					-2.5 to 2.5	Pass
	4.43	-2.303	-0.0013					-2.5 to 2.5	Pass
	-30	3.85	-7.696				-0.0044	-2.5 to 2.5	Pass
	-20	3.85	-11.473				-0.0066	-2.5 to 2.5	Pass
	-10	3.85	-0.229				-0.0001	-2.5 to 2.5	Pass
	0	3.85	-2.303				-0.0013	-2.5 to 2.5	Pass
	10	3.85	-3.662				-0.0021	-2.5 to 2.5	Pass
	30	3.85	-3.505				-0.0020	-2.5 to 2.5	Pass
	40	3.85	-16.465				-0.0094	-2.5 to 2.5	Pass
	50	3.85	3.862				0.0022	-2.5 to 2.5	Pass
	1778.5	15	0				20	3.27	-4.520
				3.85	4.206	0.0024		-2.5 to 2.5	Pass
				4.43	-0.887	-0.0005		-2.5 to 2.5	Pass
				-30	3.85	-6.409	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	3.719	0.0021	-2.5 to 2.5	Pass
				-10	3.85	5.651	0.0032	-2.5 to 2.5	Pass
				0	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				10	3.85	-15.550	-0.0087	-2.5 to 2.5	Pass
30				3.85	-2.632	-0.0015	-2.5 to 2.5	Pass	
40				3.85	1.931	0.0011	-2.5 to 2.5	Pass	
50				3.85	-12.574	-0.0071	-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	-8.368	-0.0049	-2.5 to 2.5	Pass
					3.85	-8.268	-0.0048	-2.5 to 2.5	Pass
					4.43	3.576	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-17.080	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-5.078	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.483	-0.0050	-2.5 to 2.5	Pass

	1745	25	0	40	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass				
				50	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass				
				20	3.27	-1.030	-0.0006	-2.5 to 2.5	Pass				
					3.85	5.636	0.0032	-2.5 to 2.5	Pass				
					4.43	-6.852	-0.0039	-2.5 to 2.5	Pass				
				-30	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass				
				-20	3.85	2.260	0.0013	-2.5 to 2.5	Pass				
				-10	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass				
				0	3.85	0.601	0.0003	-2.5 to 2.5	Pass				
				10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass				
				30	3.85	-9.499	-0.0054	-2.5 to 2.5	Pass				
				40	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass				
				50	3.85	-7.138	-0.0041	-2.5 to 2.5	Pass				
	1777.5	25	0	20	3.27	-8.512	-0.0048	-2.5 to 2.5	Pass				
					3.85	-10.071	-0.0057	-2.5 to 2.5	Pass				
					4.43	-5.507	-0.0031	-2.5 to 2.5	Pass				
				-30	3.85	3.490	0.0020	-2.5 to 2.5	Pass				
				-20	3.85	-10.457	-0.0059	-2.5 to 2.5	Pass				
				-10	3.85	-7.324	-0.0041	-2.5 to 2.5	Pass				
				0	3.85	-5.493	-0.0031	-2.5 to 2.5	Pass				
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass				
				30	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass				
				40	3.85	7.882	0.0044	-2.5 to 2.5	Pass				
				50	3.85	0.129	0.0001	-2.5 to 2.5	Pass				
				16QAM	1712.5	25	0	20	3.27	-0.072	0.0000	-2.5 to 2.5	Pass
									3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
4.43	-6.094	-0.0036	-2.5 to 2.5						Pass				
-30	3.85	-11.973	-0.0070					-2.5 to 2.5	Pass				
-20	3.85	-9.298	-0.0054					-2.5 to 2.5	Pass				
-10	3.85	-5.164	-0.0030					-2.5 to 2.5	Pass				
0	3.85	-8.812	-0.0051					-2.5 to 2.5	Pass				
10	3.85	4.849	0.0028					-2.5 to 2.5	Pass				
30	3.85	2.046	0.0012					-2.5 to 2.5	Pass				
40	3.85	-0.415	-0.0002					-2.5 to 2.5	Pass				
50	3.85	-9.441	-0.0055					-2.5 to 2.5	Pass				
1745	25	0	20					3.27	-0.143	-0.0001	-2.5 to 2.5	Pass	
								3.85	3.605	0.0021	-2.5 to 2.5	Pass	
					4.43	5.708	0.0033	-2.5 to 2.5	Pass				
			-30		3.85	-2.275	-0.0013	-2.5 to 2.5	Pass				
			-20		3.85	-0.086	0.0000	-2.5 to 2.5	Pass				
			-10		3.85	3.347	0.0019	-2.5 to 2.5	Pass				
			0		3.85	0.386	0.0002	-2.5 to 2.5	Pass				
			10		3.85	-5.064	-0.0029	-2.5 to 2.5	Pass				
			30		3.85	-8.140	-0.0047	-2.5 to 2.5	Pass				
			40		3.85	-9.284	-0.0053	-2.5 to 2.5	Pass				
			50		3.85	-7.610	-0.0044	-2.5 to 2.5	Pass				
			1777.5		25	0	20	3.27	2.189	0.0012	-2.5 to 2.5	Pass	
								3.85	-9.813	-0.0055	-2.5 to 2.5	Pass	
4.43	-10.886	-0.0061						-2.5 to 2.5	Pass				
-30	3.85	3.648					0.0021	-2.5 to 2.5	Pass				
-20	3.85	2.961		0.0017			-2.5 to 2.5	Pass					
-10	3.85	-3.090		-0.0017			-2.5 to 2.5	Pass					
0	3.85	2.933		0.0017			-2.5 to 2.5	Pass					
10	3.85	0.129		0.0001			-2.5 to 2.5	Pass					
30	3.85	-7.195		-0.0040			-2.5 to 2.5	Pass					

				40	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-8.612	-0.0048	-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	-3.505	-0.0020	-2.5 to 2.5	Pass	
					3.85	-7.324	-0.0043	-2.5 to 2.5	Pass	
					4.43	-2.060	-0.0012	-2.5 to 2.5	Pass	
				-30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass	
					-20	3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
						3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass	
					10	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-8.612	-0.0050	-2.5 to 2.5	Pass	
	40	3.85	-6.080	-0.0035	-2.5 to 2.5	Pass				
	50	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass				
	1745	50	0	20	3.27	2.275	0.0013	-2.5 to 2.5	Pass	
					3.85	-3.748	-0.0021	-2.5 to 2.5	Pass	
					4.43	3.476	0.0020	-2.5 to 2.5	Pass	
				-30	3.85	2.375	0.0014	-2.5 to 2.5	Pass	
					-20	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
						3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass	
					10	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				30	3.85	0.272	0.0002	-2.5 to 2.5	Pass	
	40	3.85	-9.041	-0.0052	-2.5 to 2.5	Pass				
	50	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass				
	1775	50	0	20	3.27	-2.160	-0.0012	-2.5 to 2.5	Pass	
					3.85	-8.826	-0.0050	-2.5 to 2.5	Pass	
					4.43	-2.332	-0.0013	-2.5 to 2.5	Pass	
				-30	3.85	0.114	0.0001	-2.5 to 2.5	Pass	
					-20	3.85	-7.739	-0.0044	-2.5 to 2.5	Pass
3.85						-4.592	-0.0026	-2.5 to 2.5	Pass	
0				3.85	-7.610	-0.0043	-2.5 to 2.5	Pass		
				10	3.85	-3.262	-0.0018	-2.5 to 2.5	Pass	
30				3.85	-8.941	-0.0050	-2.5 to 2.5	Pass		
40	3.85	-5.651	-0.0032	-2.5 to 2.5	Pass					
50	3.85	0.143	0.0001	-2.5 to 2.5	Pass					
16QAM	1715	50	0	20	3.27	-6.824	-0.0040	-2.5 to 2.5	Pass	
					3.85	-2.246	-0.0013	-2.5 to 2.5	Pass	
					4.43	-4.249	-0.0025	-2.5 to 2.5	Pass	
				-30	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass	
					-20	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass	
					0	3.85	3.204	0.0019	-2.5 to 2.5	Pass
10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass					
30	3.85	-8.826	-0.0051	-2.5 to 2.5	Pass					

	1745	50	0	40	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
				20	3.27	-9.484	-0.0054	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
					4.43	-5.050	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				10	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
	30	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass			
	40	3.85	-6.166	-0.0035	-2.5 to 2.5	Pass			
	50	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass			
	1775	50	0	20	3.27	-2.718	-0.0015	-2.5 to 2.5	Pass
					3.85	4.005	0.0023	-2.5 to 2.5	Pass
					4.43	-4.621	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
10				3.85	-7.424	-0.0042	-2.5 to 2.5	Pass	
30				3.85	-3.376	-0.0019	-2.5 to 2.5	Pass	
40				3.85	0.887	0.0005	-2.5 to 2.5	Pass	
50	3.85	1.817	0.0010	-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	-10.028	-0.0058	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
					4.43	-5.250	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-9.913	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-7.138	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
	50	3.85	-11.458	-0.0067	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	-1.445	-0.0008	-2.5 to 2.5	Pass
					3.85	5.450	0.0031	-2.5 to 2.5	Pass
					4.43	-6.752	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				0	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				30	3.85	-8.039	-0.0046	-2.5 to 2.5	Pass

	1772.5	75	0	40	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass			
				50	3.85	-8.225	-0.0047	-2.5 to 2.5	Pass			
				20	3.27	-3.719	-0.0021	-2.5 to 2.5	Pass			
					3.85	-6.237	-0.0035	-2.5 to 2.5	Pass			
					4.43	-2.017	-0.0011	-2.5 to 2.5	Pass			
				-30	3.85	-7.753	-0.0044	-2.5 to 2.5	Pass			
				-20	3.85	-7.954	-0.0045	-2.5 to 2.5	Pass			
				-10	3.85	-0.072	0.0000	-2.5 to 2.5	Pass			
				0	3.85	-6.595	-0.0037	-2.5 to 2.5	Pass			
				10	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass			
				30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass			
				40	3.85	-13.905	-0.0078	-2.5 to 2.5	Pass			
				50	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass			
16QAM	1717.5	75	0	20	3.27	-11.373	-0.0066	-2.5 to 2.5	Pass			
					3.85	-2.460	-0.0014	-2.5 to 2.5	Pass			
					4.43	-4.334	-0.0025	-2.5 to 2.5	Pass			
				-30	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass			
				-20	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass			
				-10	3.85	-5.107	-0.0030	-2.5 to 2.5	Pass			
				0	3.85	-7.653	-0.0045	-2.5 to 2.5	Pass			
				10	3.85	-9.470	-0.0055	-2.5 to 2.5	Pass			
				30	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass			
				40	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass			
				50	3.85	-8.383	-0.0049	-2.5 to 2.5	Pass			
				1745	75	0	20	3.27	-5.722	-0.0033	-2.5 to 2.5	Pass
								3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
		4.43	-1.445				-0.0008	-2.5 to 2.5	Pass			
	-30	3.85	-2.360				-0.0014	-2.5 to 2.5	Pass			
	-20	3.85	-2.503				-0.0014	-2.5 to 2.5	Pass			
	-10	3.85	-6.680				-0.0038	-2.5 to 2.5	Pass			
	0	3.85	-2.232				-0.0013	-2.5 to 2.5	Pass			
	10	3.85	-3.648				-0.0021	-2.5 to 2.5	Pass			
	30	3.85	-5.264				-0.0030	-2.5 to 2.5	Pass			
	40	3.85	-12.045				-0.0069	-2.5 to 2.5	Pass			
	50	3.85	-0.830				-0.0005	-2.5 to 2.5	Pass			
	1772.5	75	0				20	3.27	-6.723	-0.0038	-2.5 to 2.5	Pass
								3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0034	-2.5 to 2.5	Pass			
				-30	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass			
				-20	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass			
-10				3.85	-7.439	-0.0042	-2.5 to 2.5	Pass				
0				3.85	-10.829	-0.0061	-2.5 to 2.5	Pass				
10				3.85	-5.908	-0.0033	-2.5 to 2.5	Pass				
30				3.85	-8.125	-0.0046	-2.5 to 2.5	Pass				
40				3.85	-1.531	-0.0009	-2.5 to 2.5	Pass				
50				3.85	-9.112	-0.0051	-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	-3.047	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
					4.43	-3.905	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-8.140	-0.0047	-2.5 to 2.5	Pass
	50	3.85	-11.129	-0.0065	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-9.885	-0.0057	-2.5 to 2.5	Pass
					3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
					4.43	-9.112	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-9.670	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-13.819	-0.0079	-2.5 to 2.5	Pass
	50	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass			
	1770	100	0	20	3.27	-3.119	-0.0018	-2.5 to 2.5	Pass
					3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-10.228	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
30				3.85	-2.604	-0.0015	-2.5 to 2.5	Pass	
40				3.85	-4.263	-0.0024	-2.5 to 2.5	Pass	
50	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-6.380	-0.0037	-2.5 to 2.5	Pass
					3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-11.659	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-12.789	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-9.141	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-11.387	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-7.424	-0.0043	-2.5 to 2.5	Pass
	50	3.85	-10.328	-0.0060	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-3.448	-0.0020	-2.5 to 2.5	Pass
					3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0035	-2.5 to 2.5	Pass

	1770	100	0	40	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-7.210	-0.0041	-2.5 to 2.5	Pass
				20	3.27	-6.237	-0.0035	-2.5 to 2.5	Pass
					3.85	3.204	0.0018	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.090	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-7.625	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	3.85	1.860	0.0011	-2.5 to 2.5	Pass

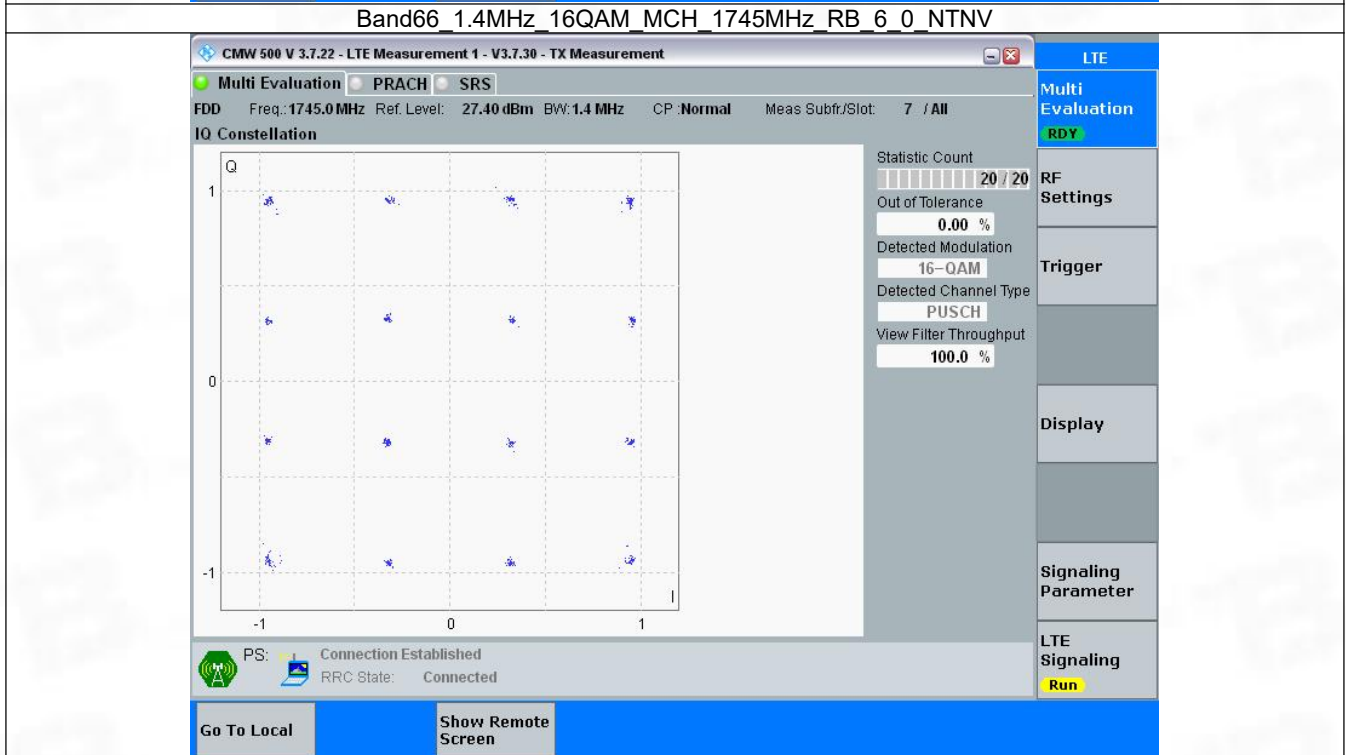
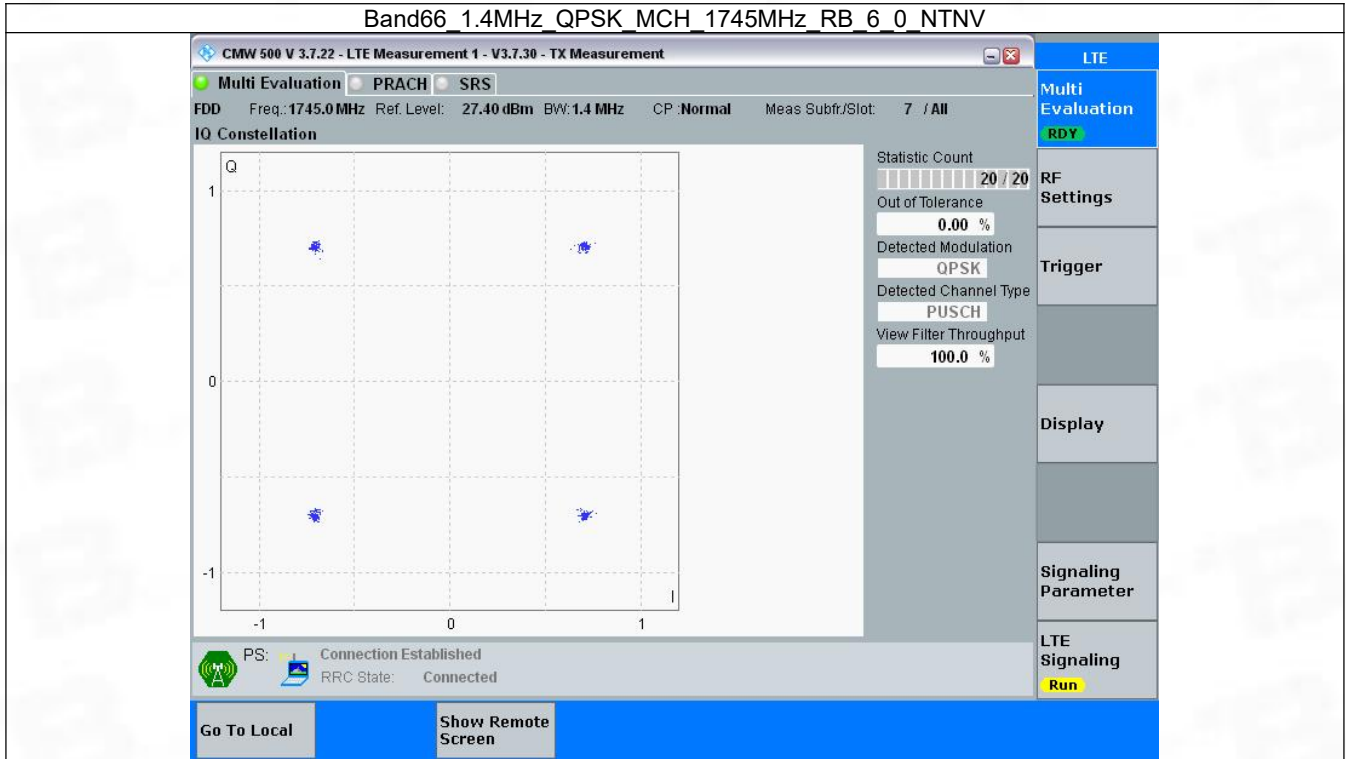
### 3. Modulation Characteristics

#### 3.1 B66\_1.4MHz

##### 3.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN						
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



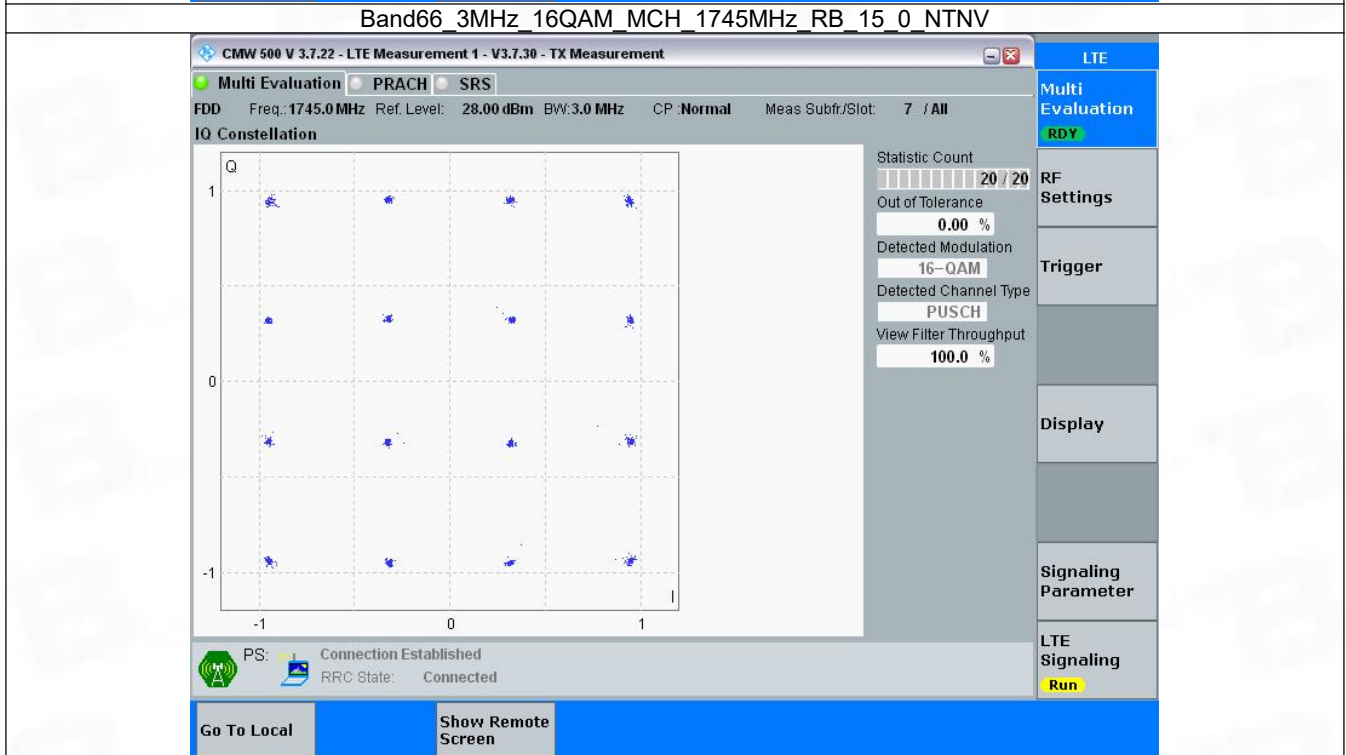
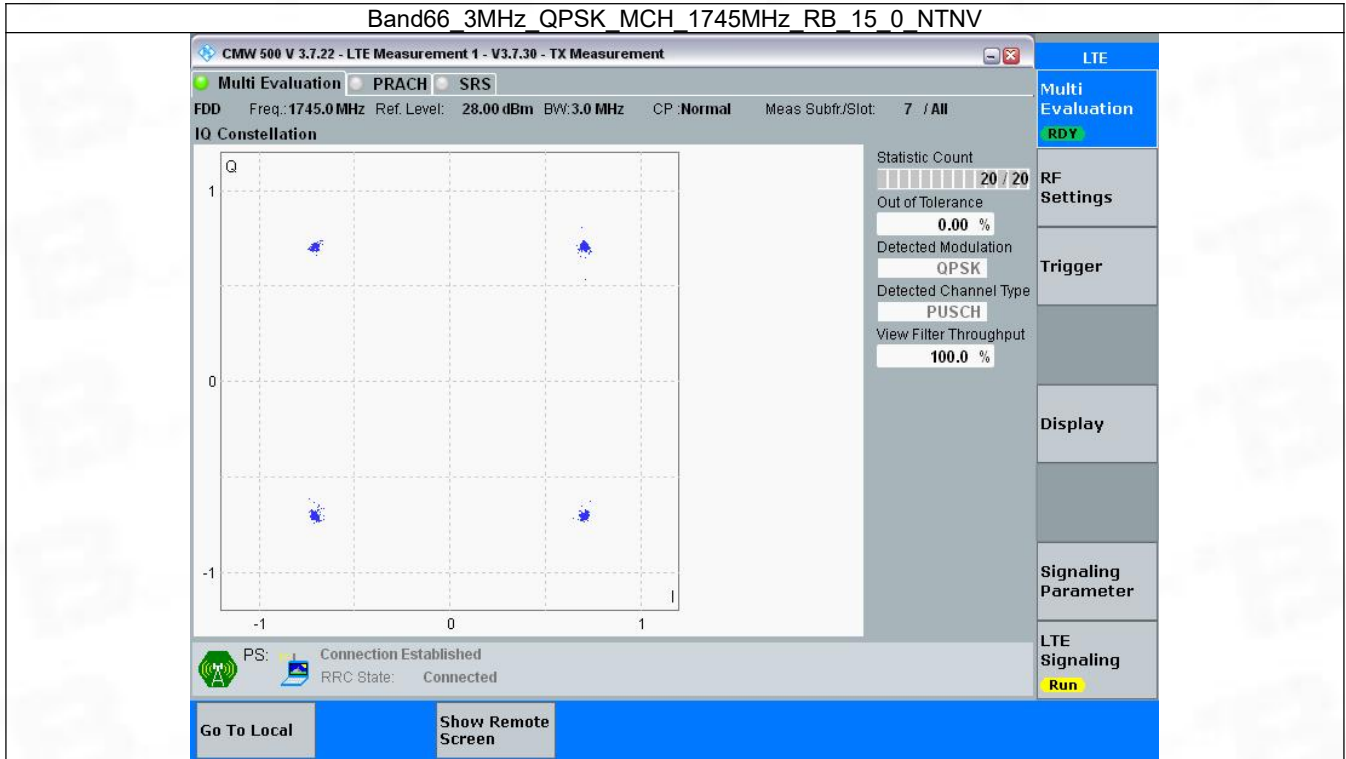


## 3.2 B66\_3MHz

### 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

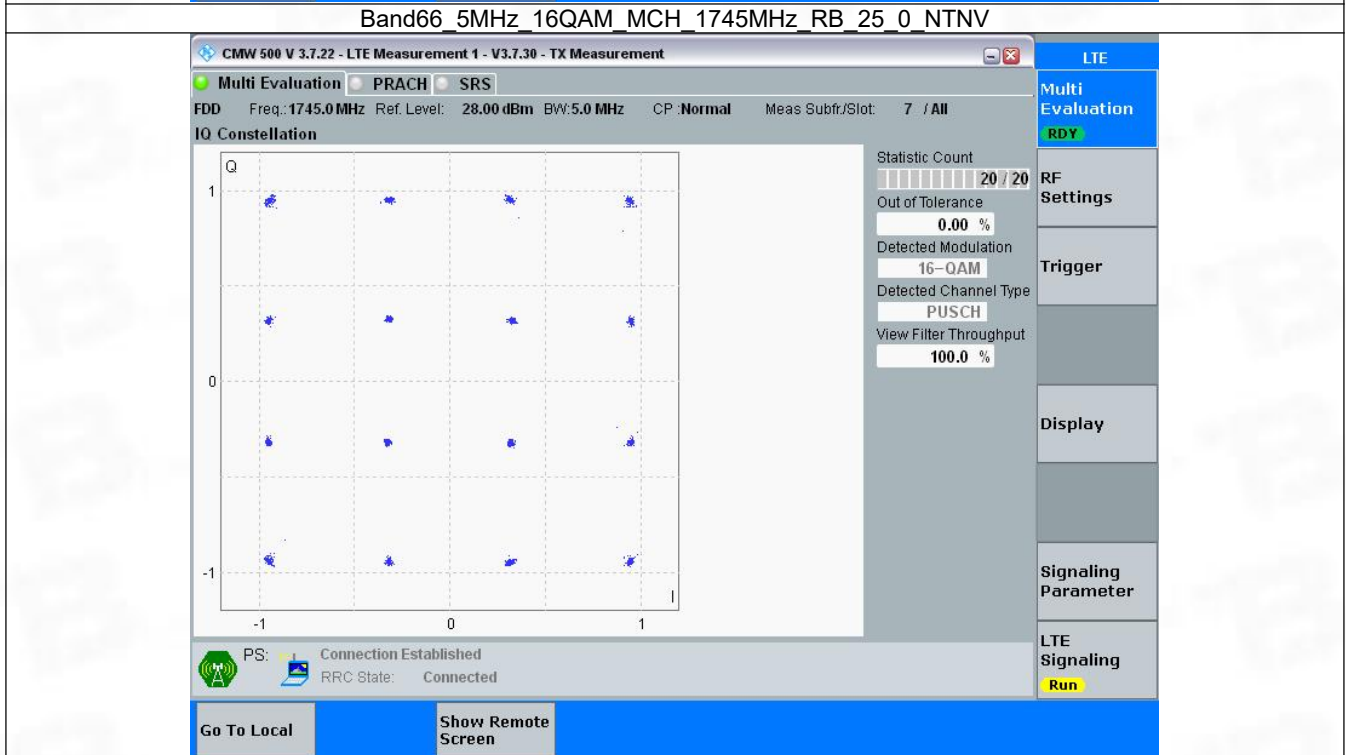
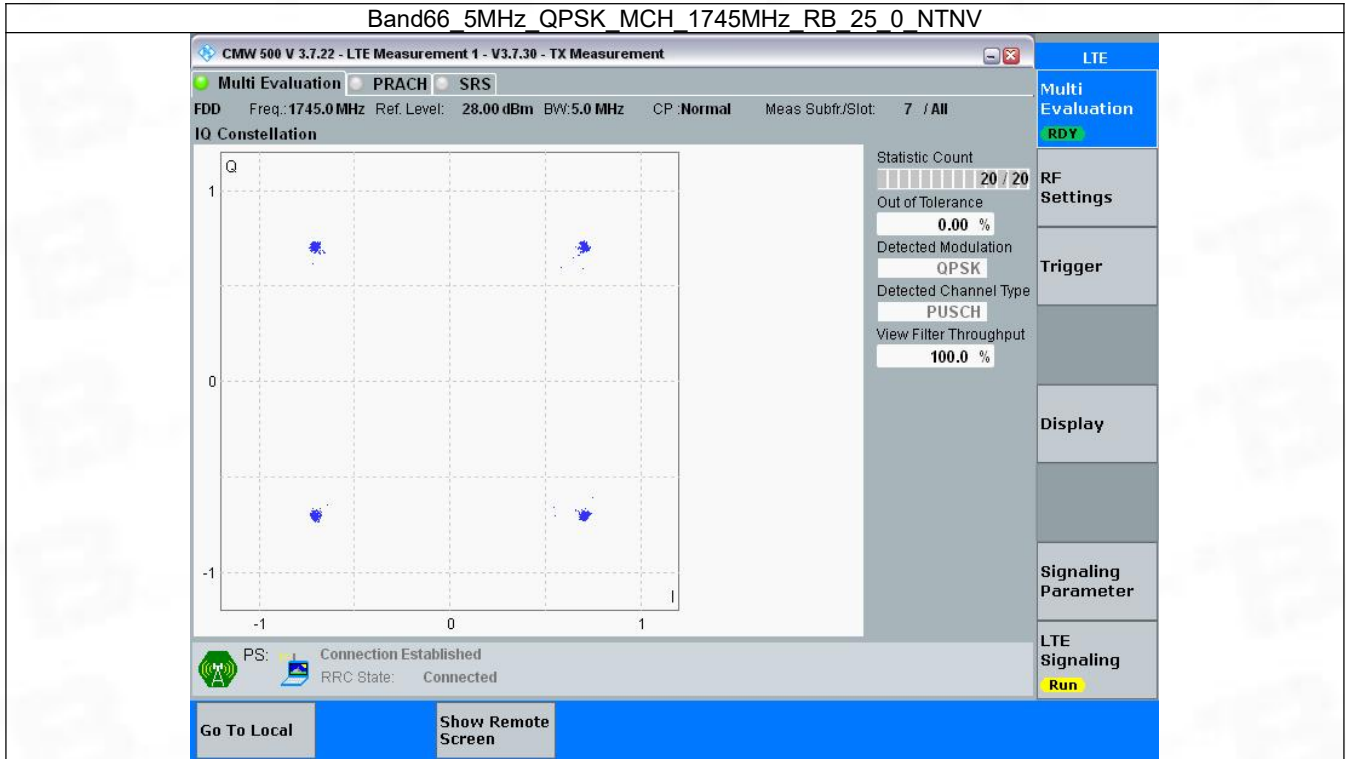


### 3.3 B66\_5MHz

#### 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

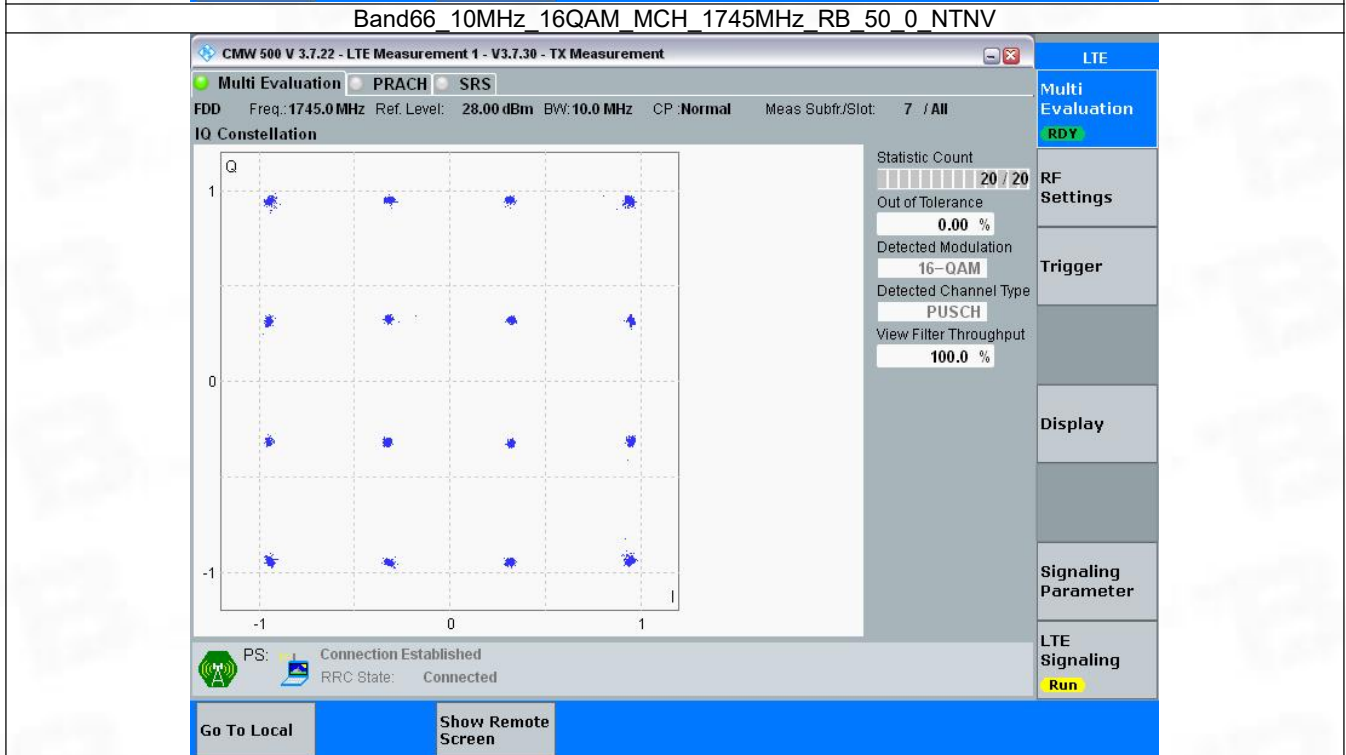
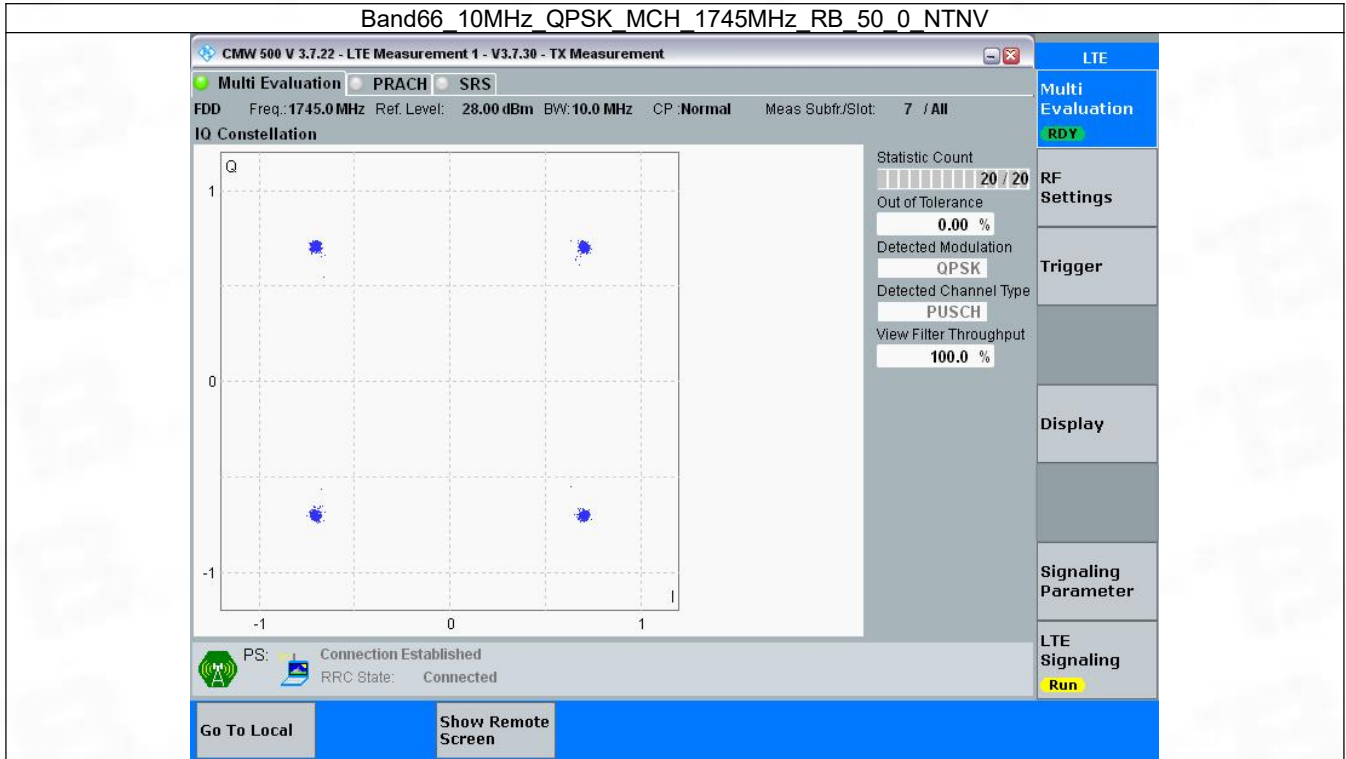


### 3.4 B66\_10MHz

#### 3.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTN						
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

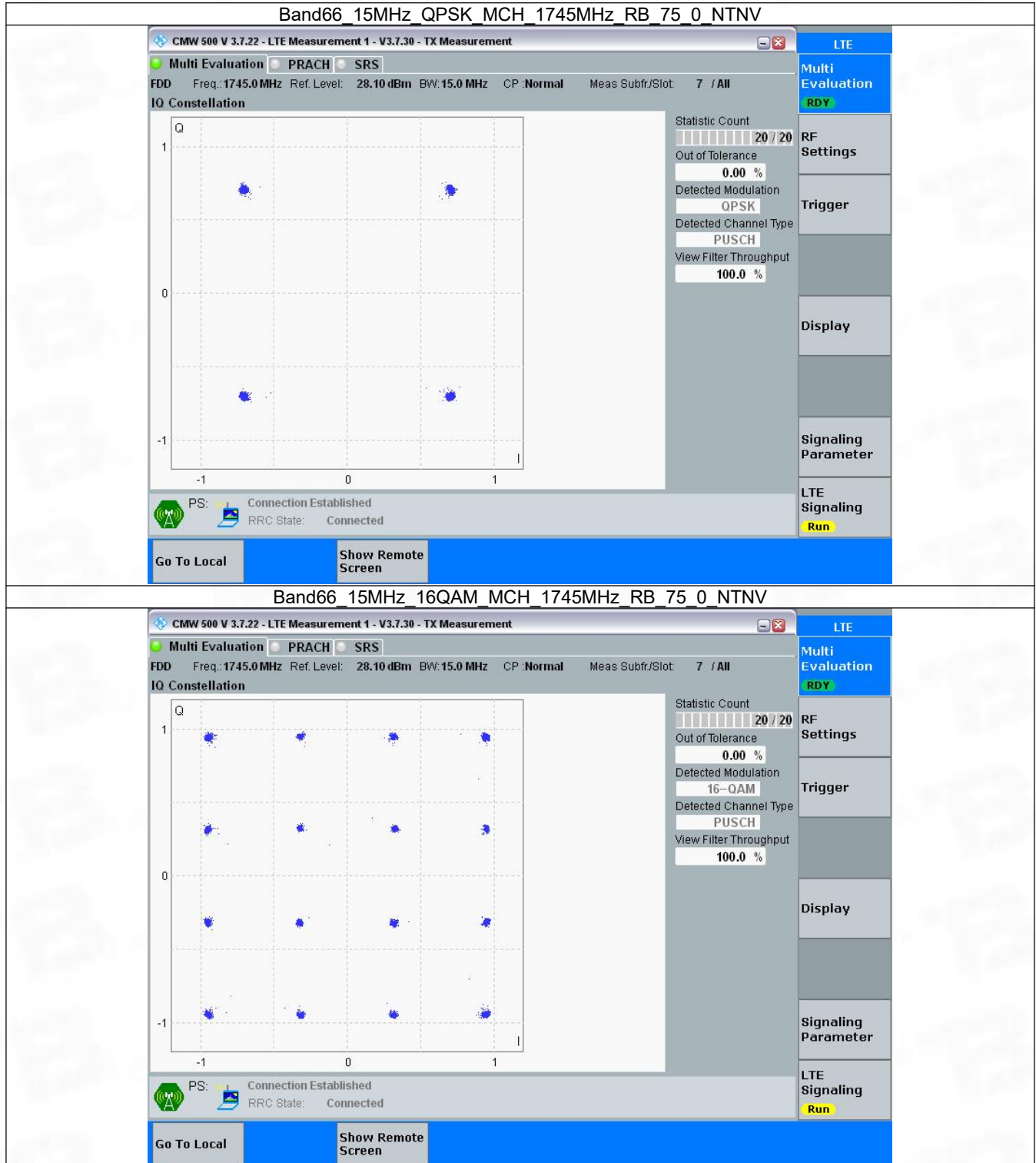


### 3.5 B66\_15MHz

#### 3.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTN						
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



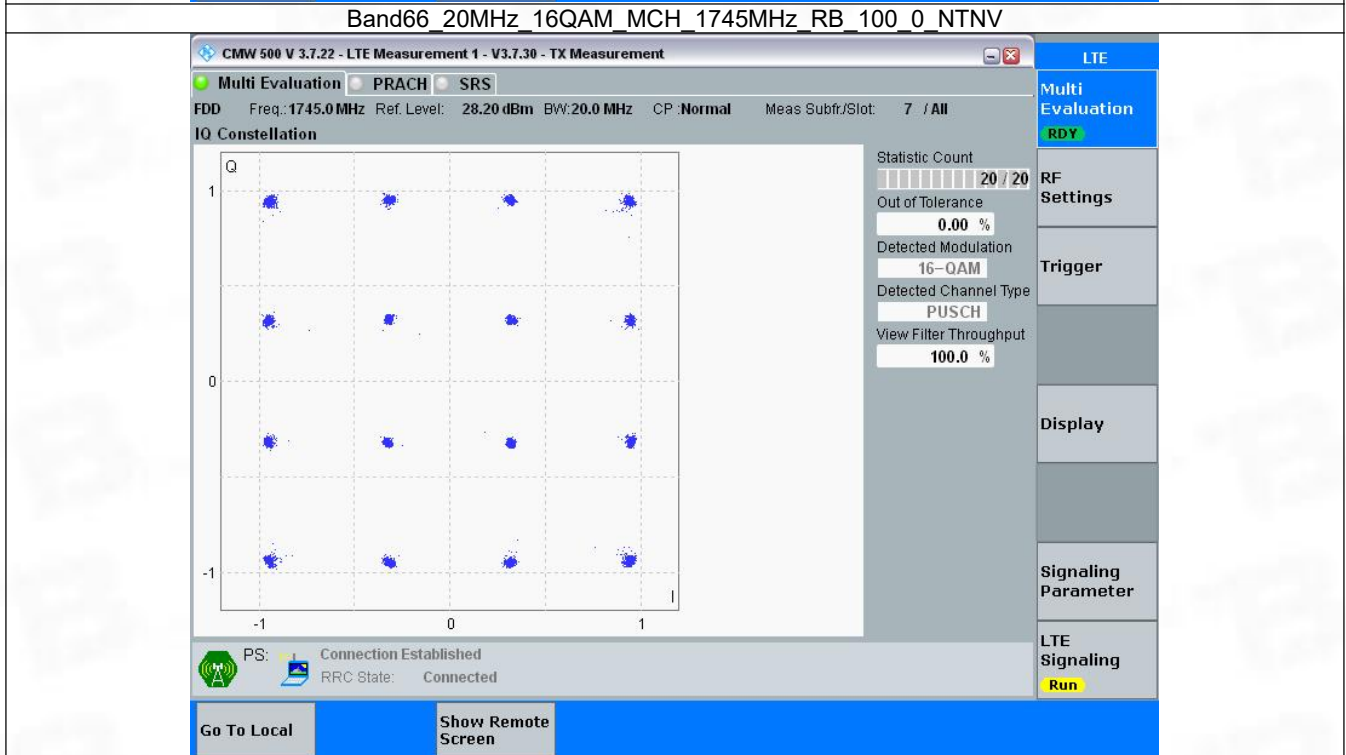
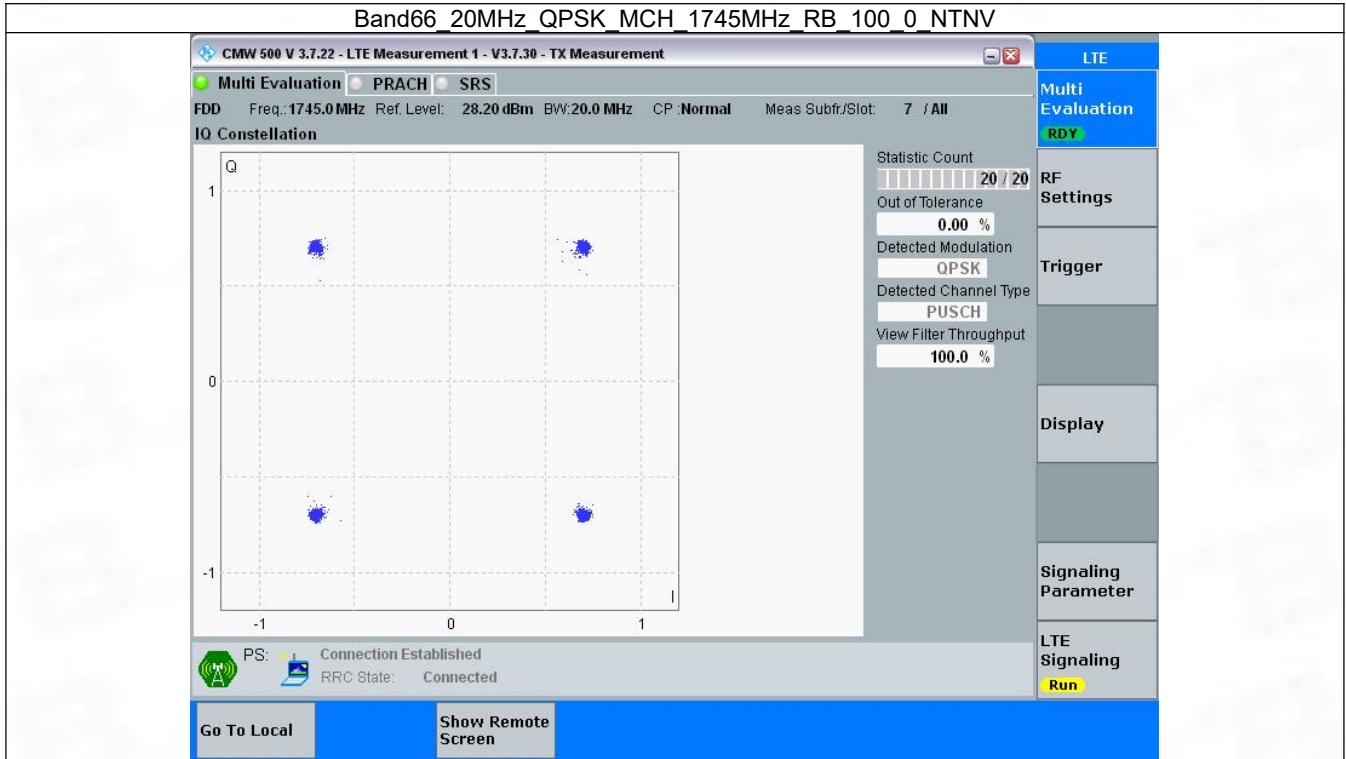


### 3.6 B66\_20MHz

#### 3.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTN						
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



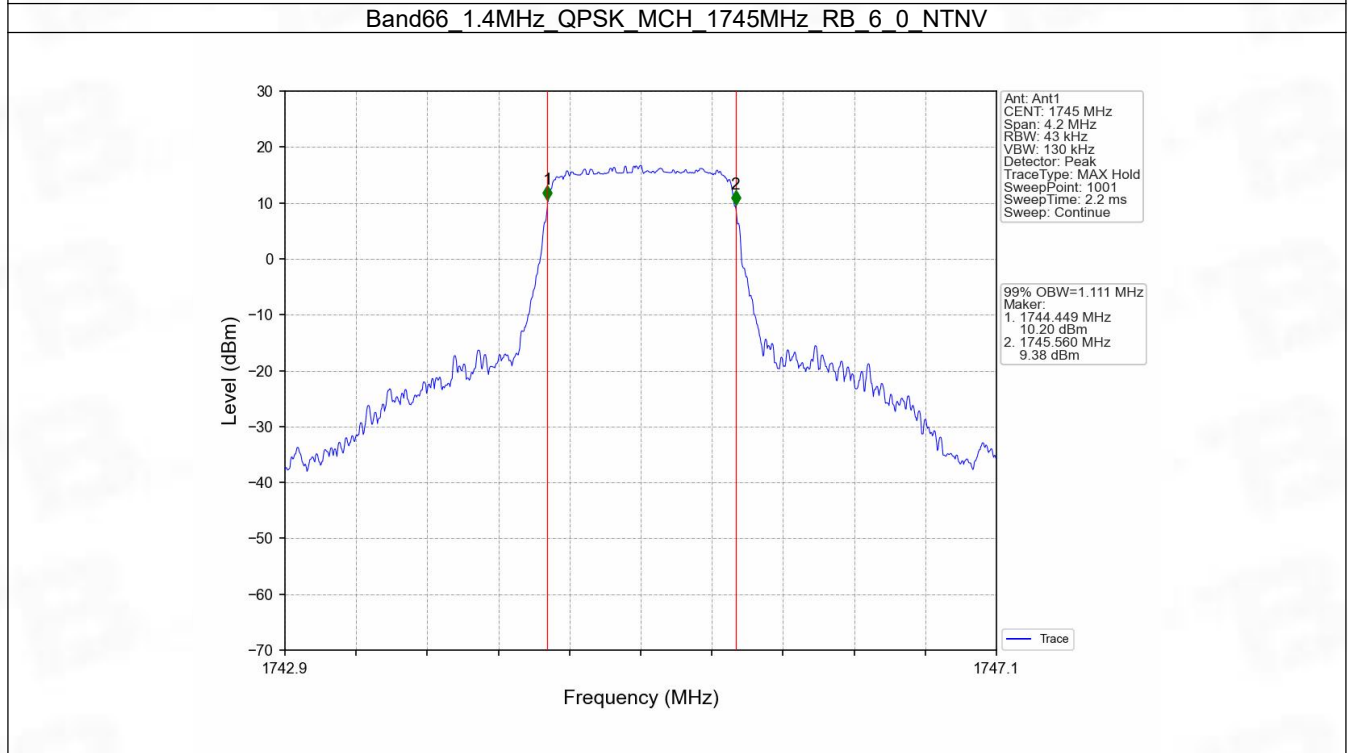
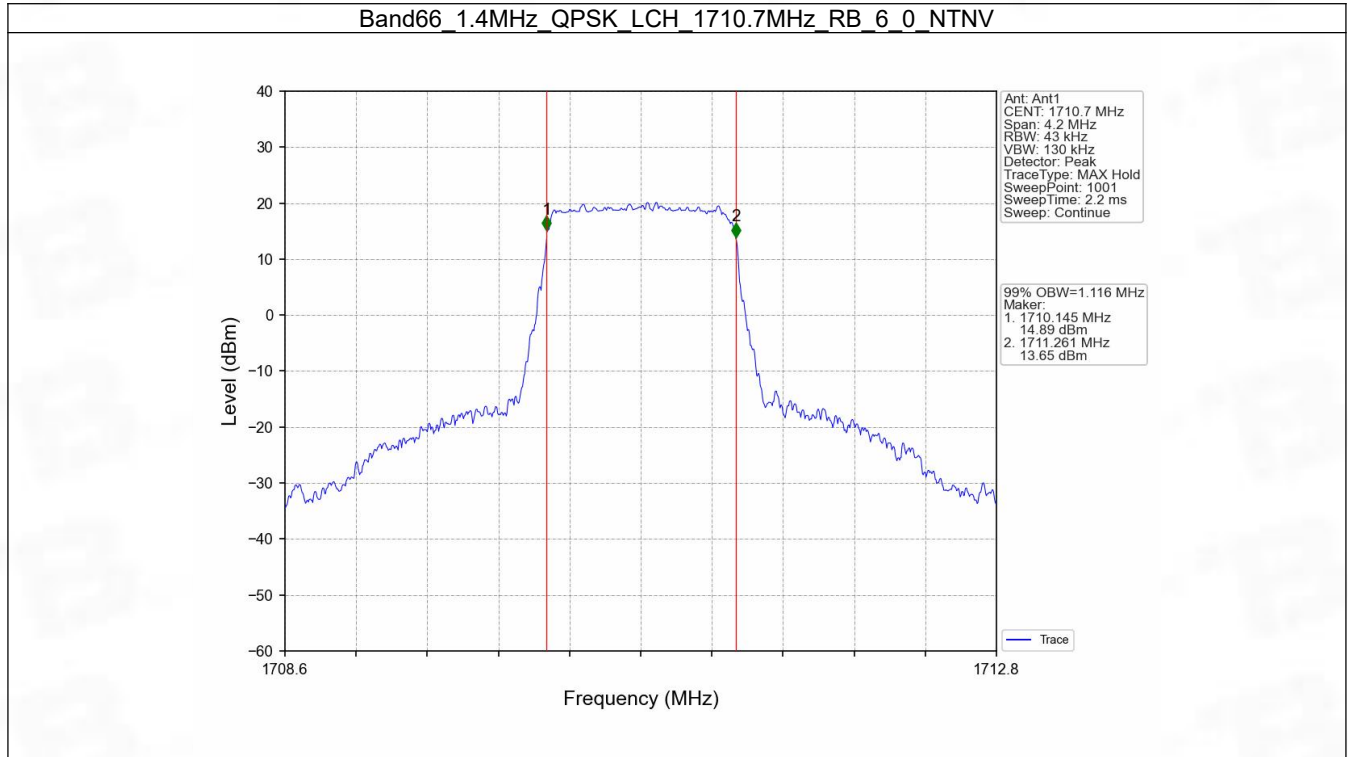
## 4. 99% & 26dB Bandwidth

### 4.1 Band66\_OBW

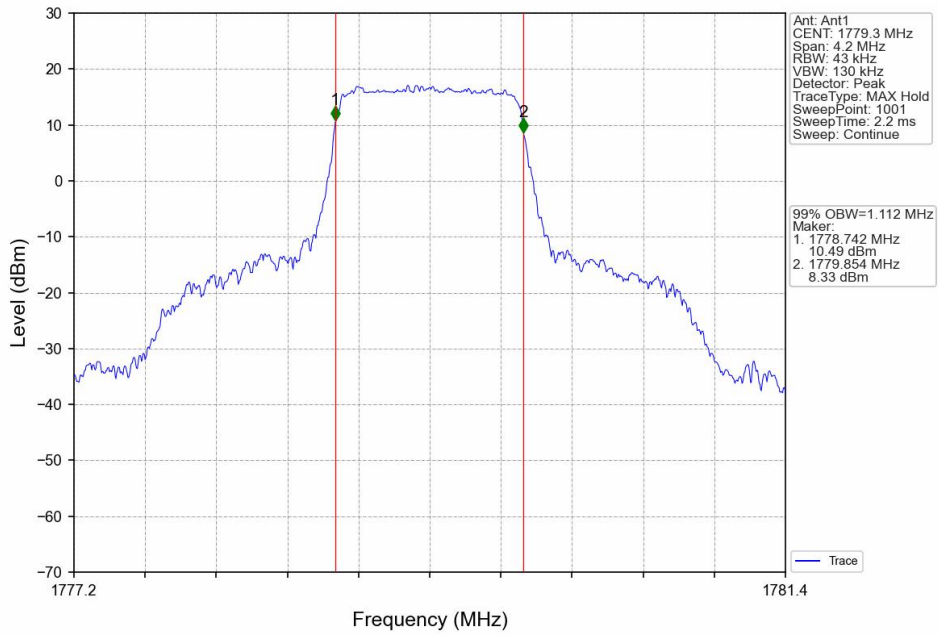
#### 4.1.1 Test Result

Band: 66 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.116	Pass
		1745	6	0	1.111	Pass
		1779.3	6	0	1.112	Pass
	16QAM	1710.7	6	0	1.107	Pass
		1745	6	0	1.110	Pass
		1779.3	6	0	1.114	Pass
3	QPSK	1711.5	15	0	2.727	Pass
		1745	15	0	2.720	Pass
		1778.5	15	0	2.732	Pass
	16QAM	1711.5	15	0	2.718	Pass
		1745	15	0	2.727	Pass
		1778.5	15	0	2.722	Pass
5	QPSK	1712.5	25	0	4.567	Pass
		1745	25	0	4.561	Pass
		1777.5	25	0	4.584	Pass
	16QAM	1712.5	25	0	4.589	Pass
		1745	25	0	4.577	Pass
		1777.5	25	0	4.567	Pass
10	QPSK	1715	50	0	9.083	Pass
		1745	50	0	9.073	Pass
		1775	50	0	9.114	Pass
	16QAM	1715	50	0	9.075	Pass
		1745	50	0	9.062	Pass
		1775	50	0	9.087	Pass
15	QPSK	1717.5	75	0	13.625	Pass
		1745	75	0	13.589	Pass
		1772.5	75	0	13.625	Pass
	16QAM	1717.5	75	0	13.635	Pass
		1745	75	0	13.633	Pass
		1772.5	75	0	13.589	Pass
20	QPSK	1720	100	0	18.088	Pass
		1745	100	0	18.189	Pass
		1770	100	0	18.074	Pass
	16QAM	1720	100	0	18.106	Pass
		1745	100	0	18.109	Pass
		1770	100	0	18.136	Pass

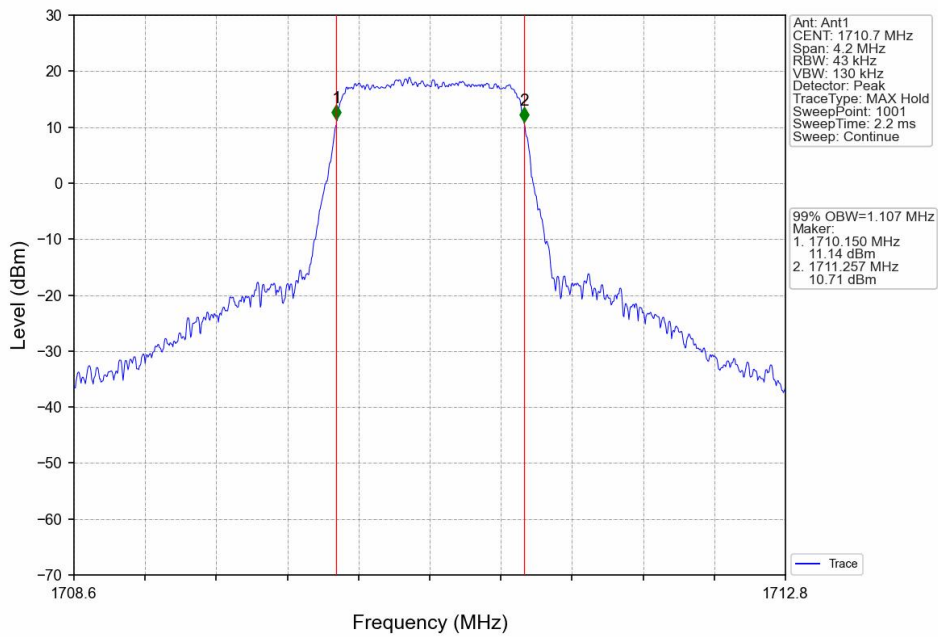
### 4.1.2 Test Graph



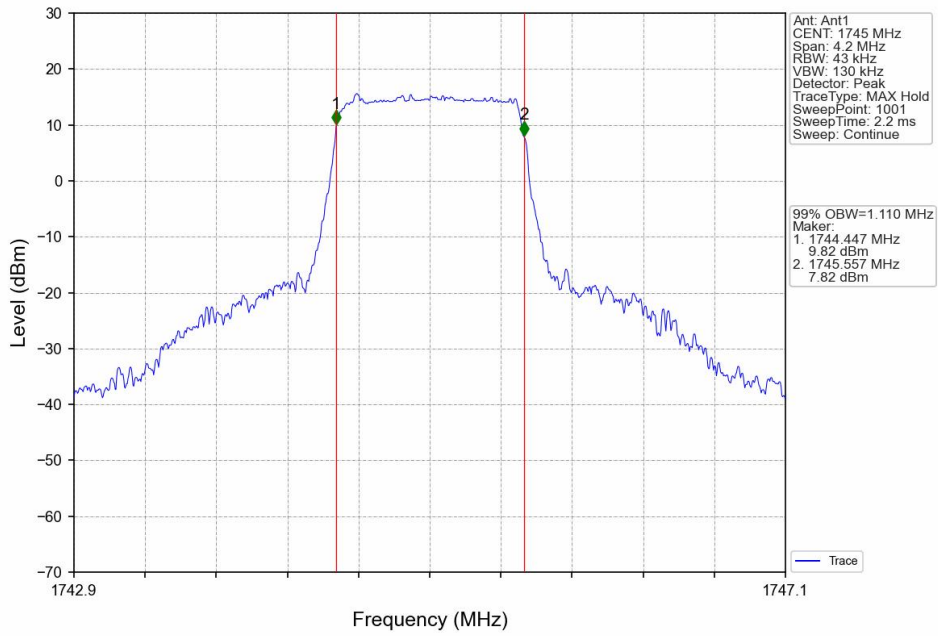
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



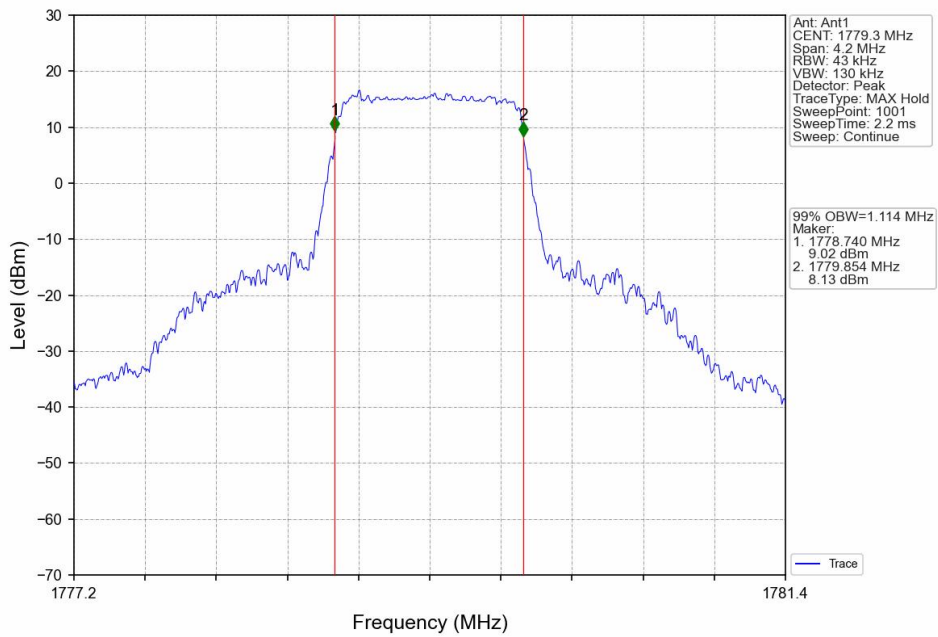
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



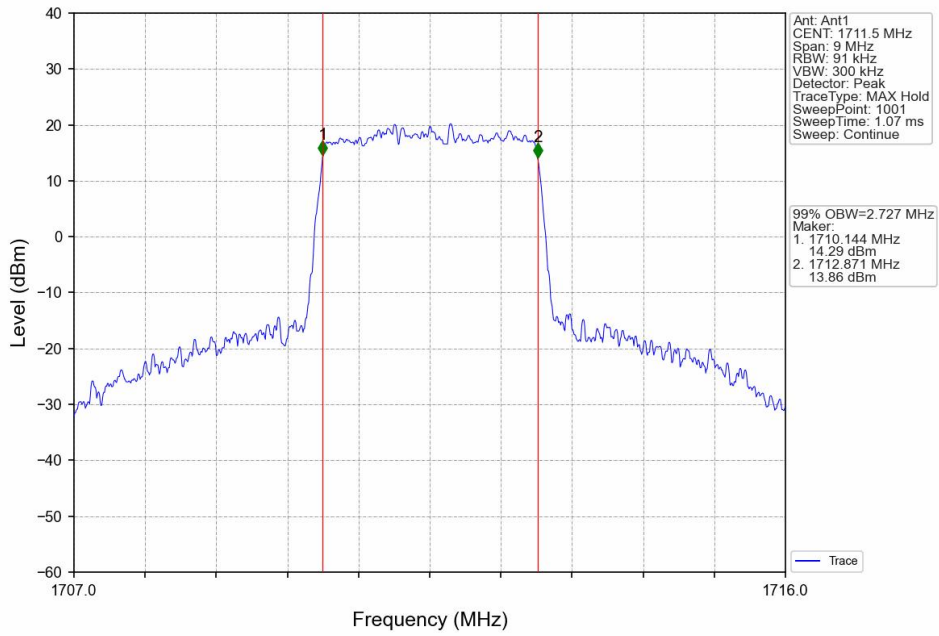
Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



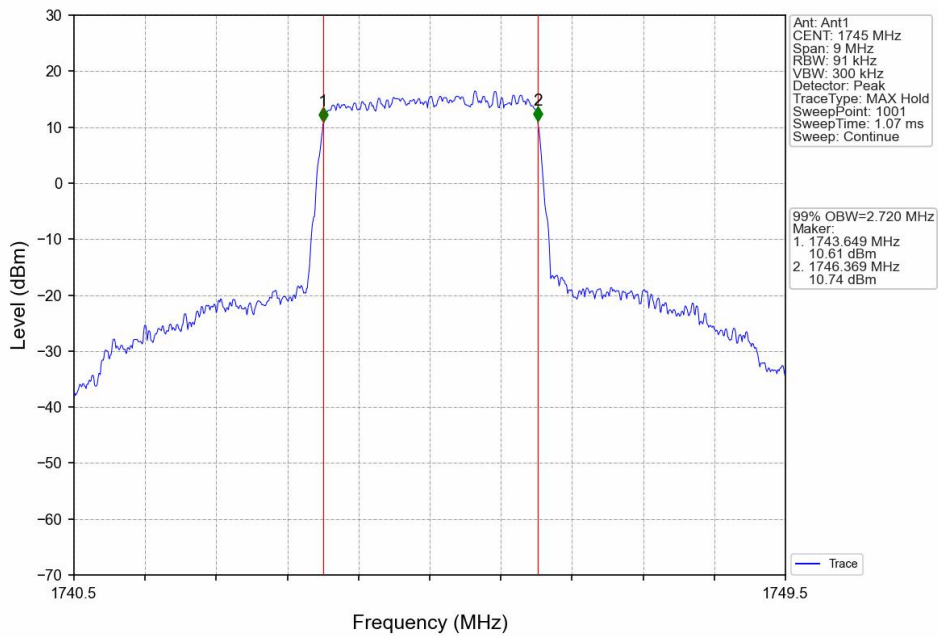
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



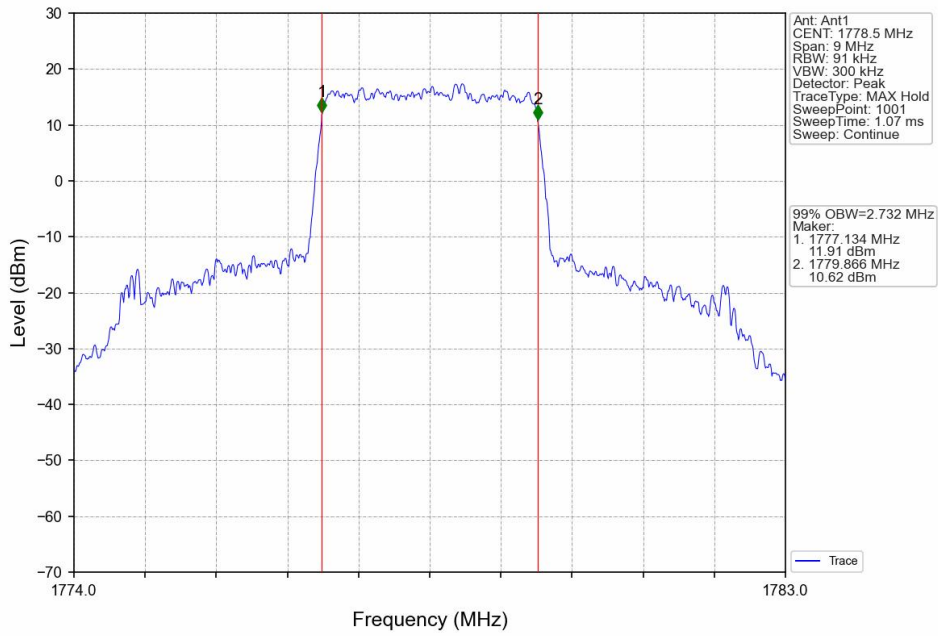
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



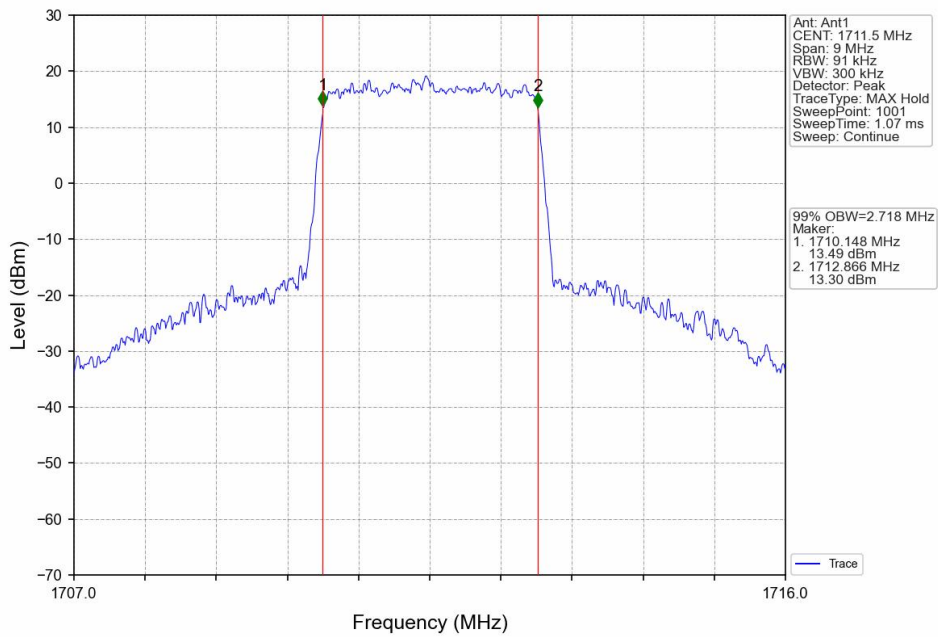
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



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

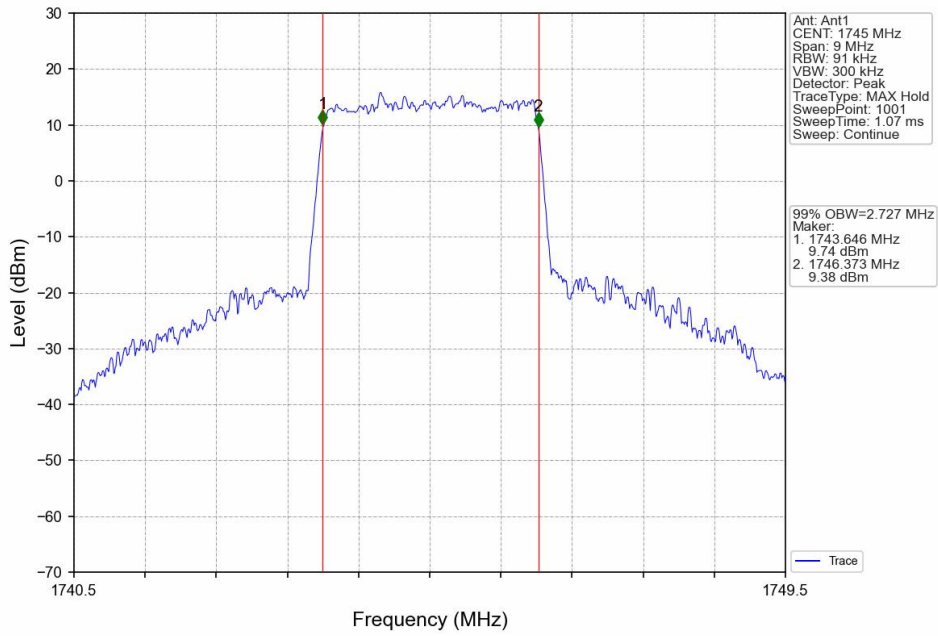


Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

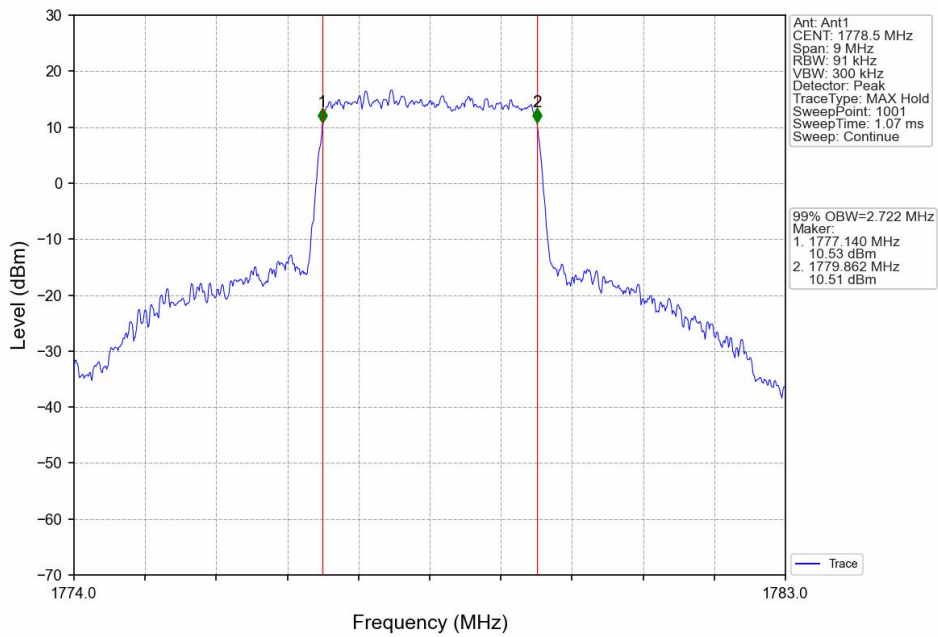




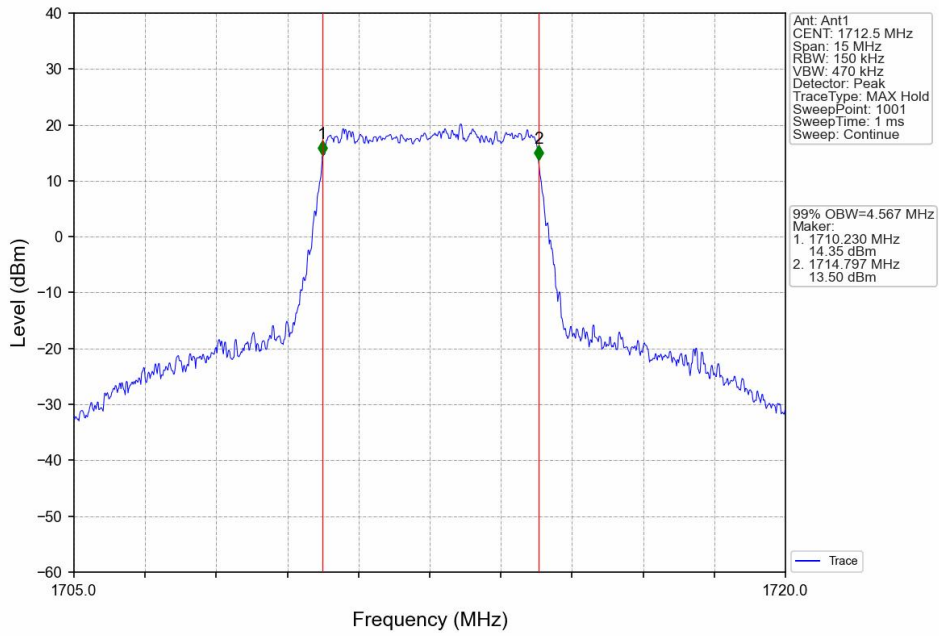
Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



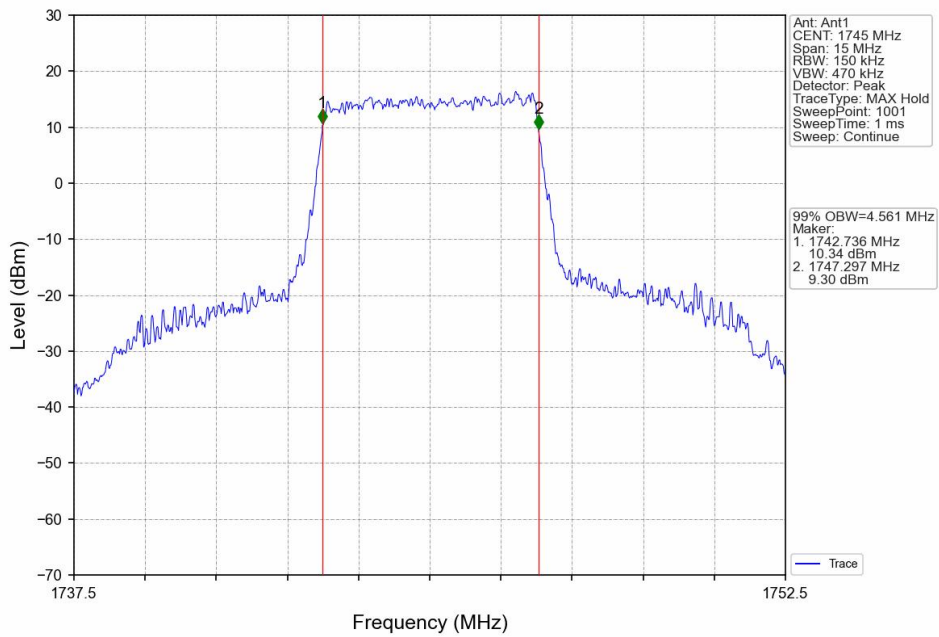
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



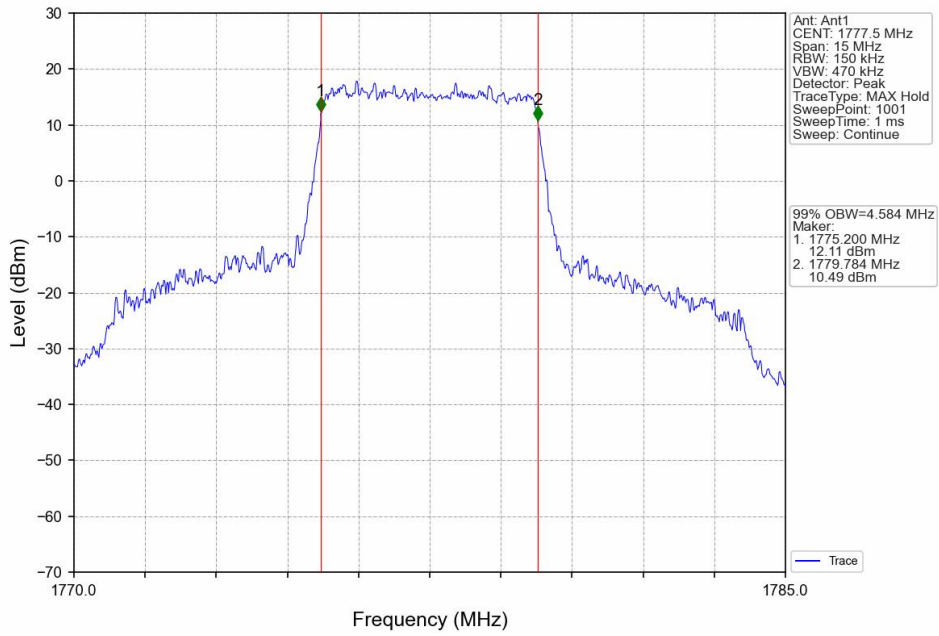
Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



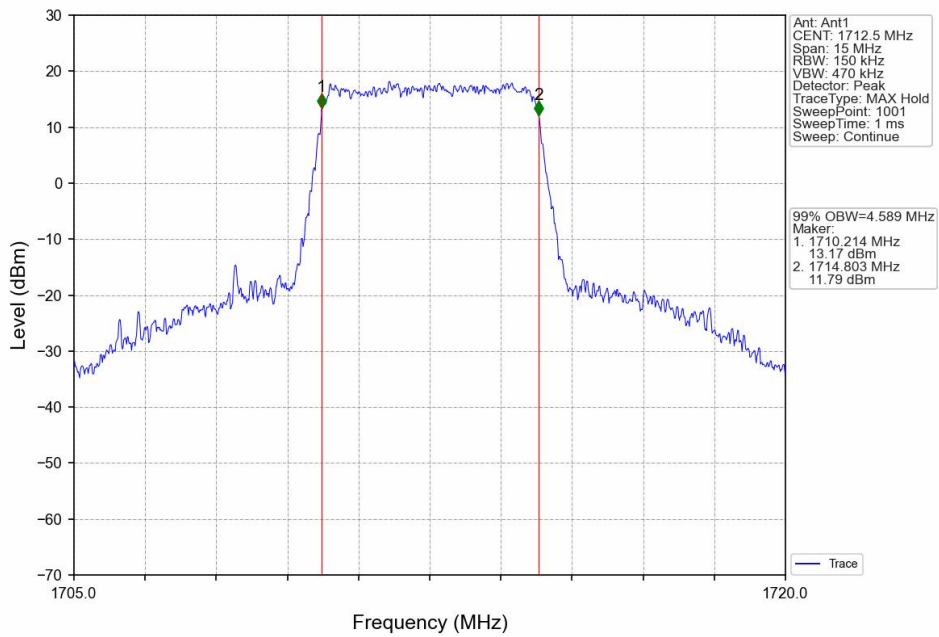
Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV



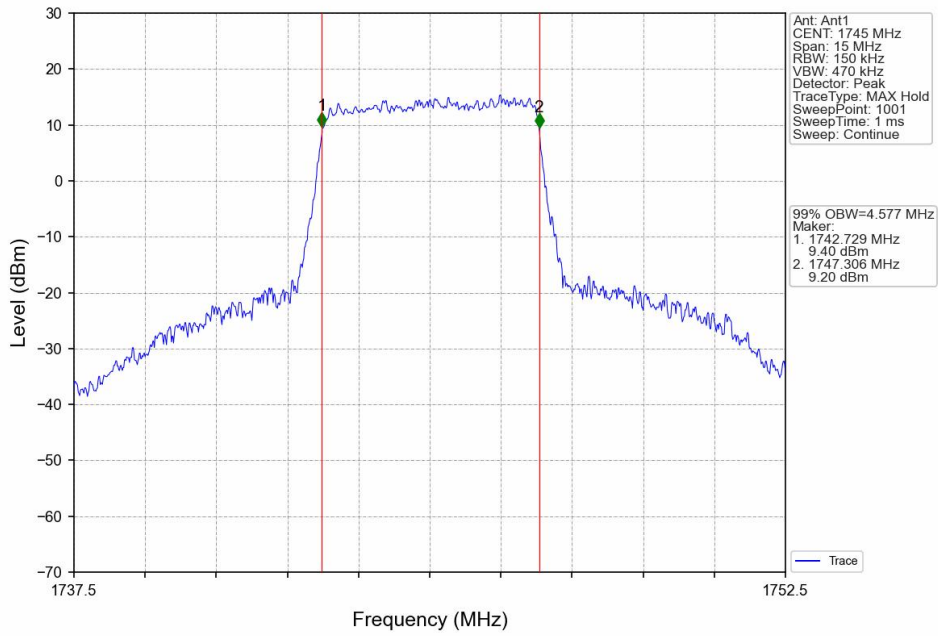
Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



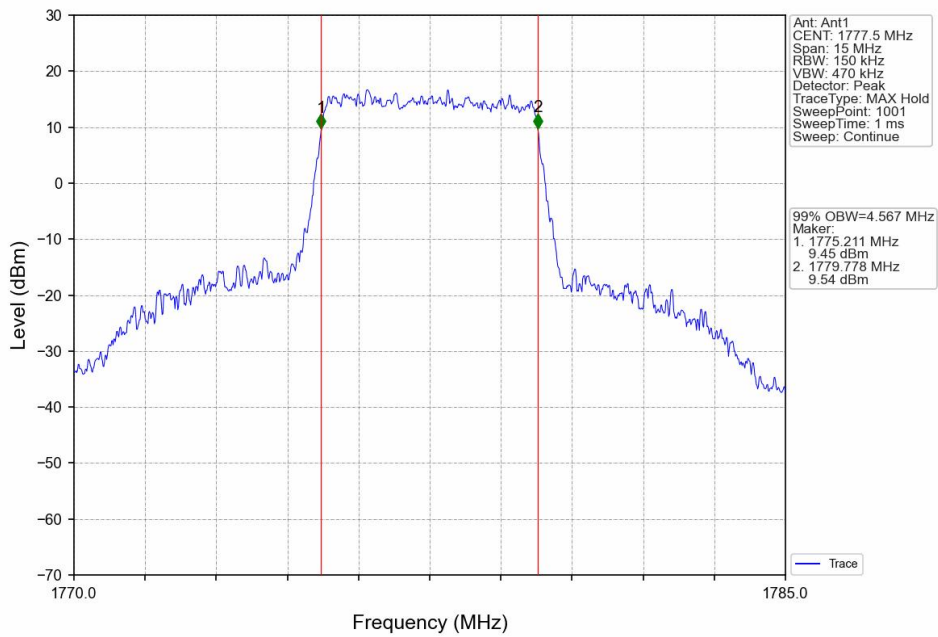
Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



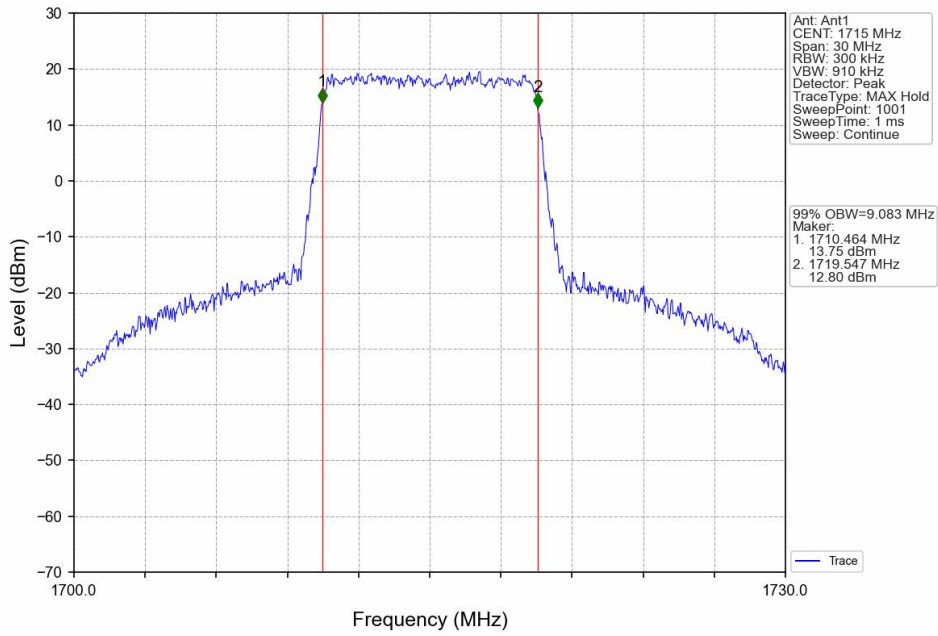
Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



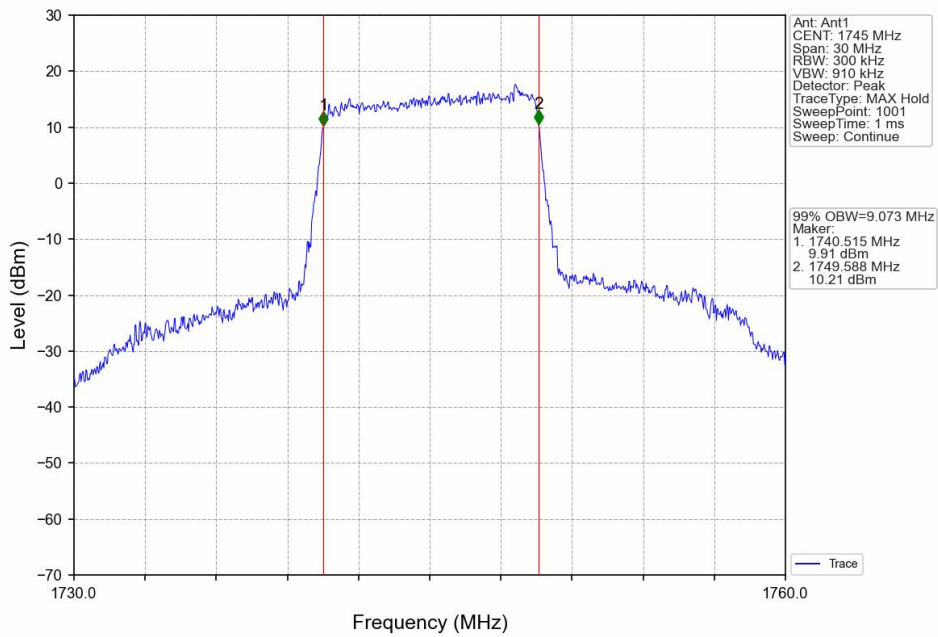
Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



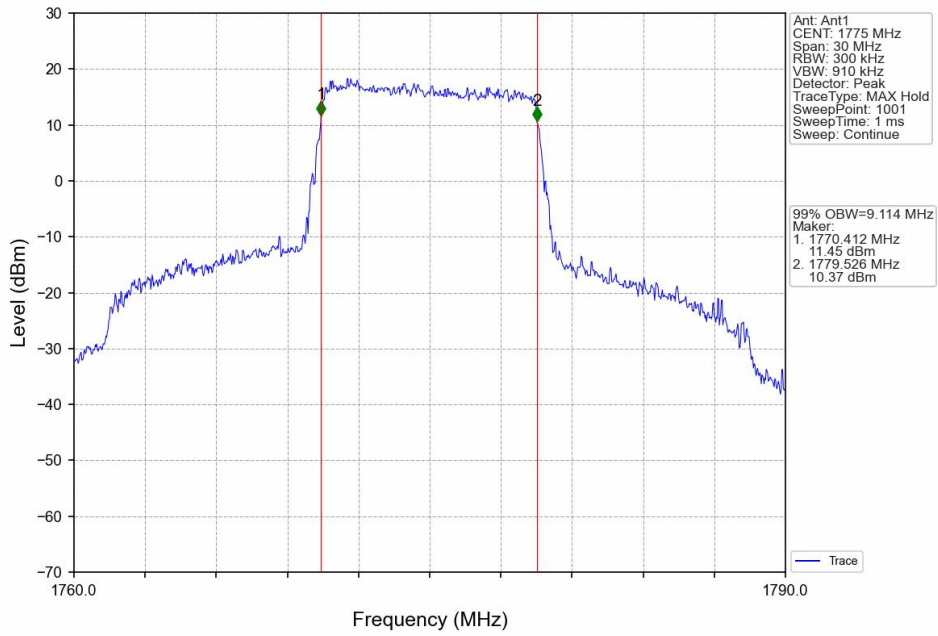
Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



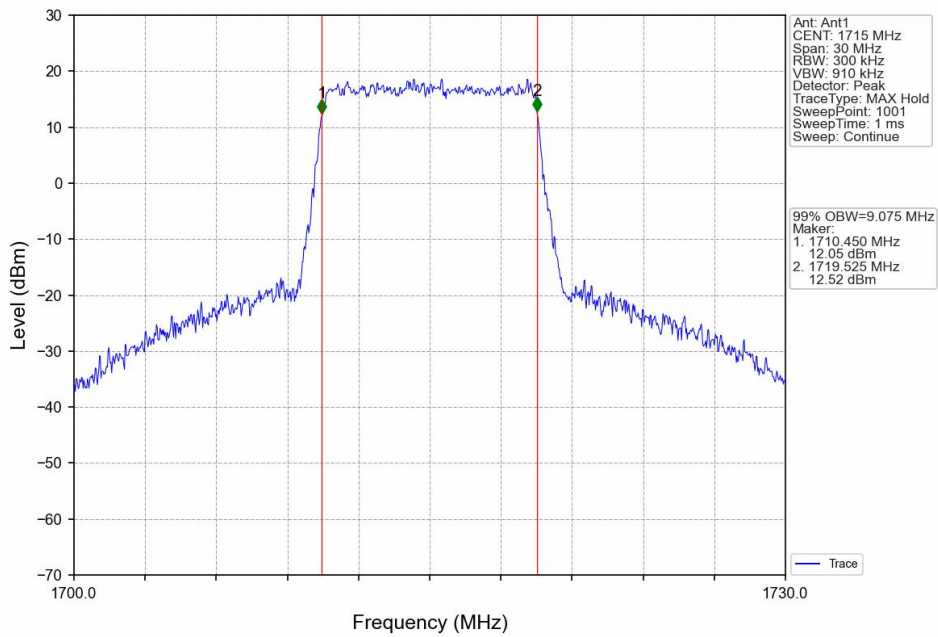
Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV



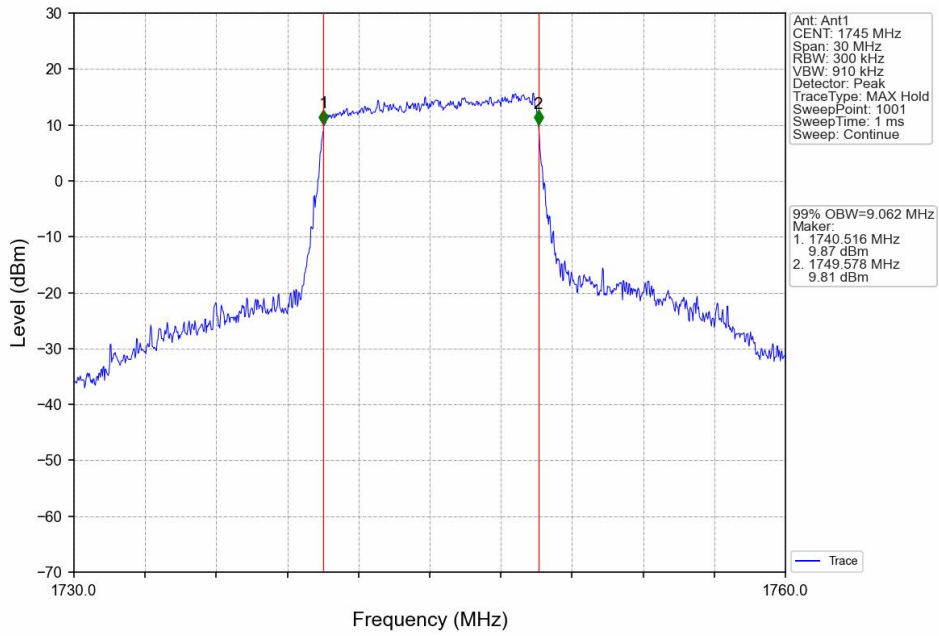
Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



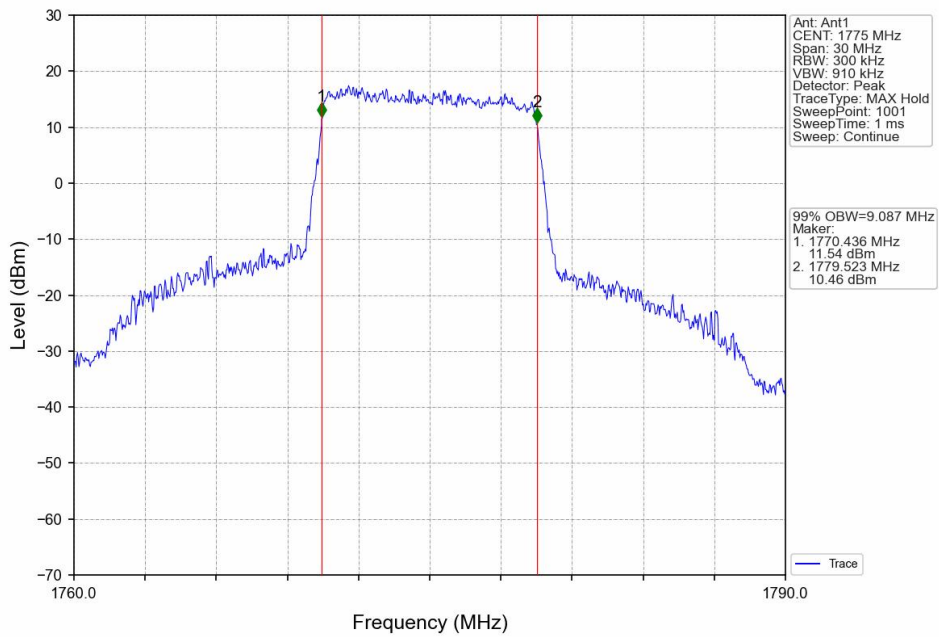
Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



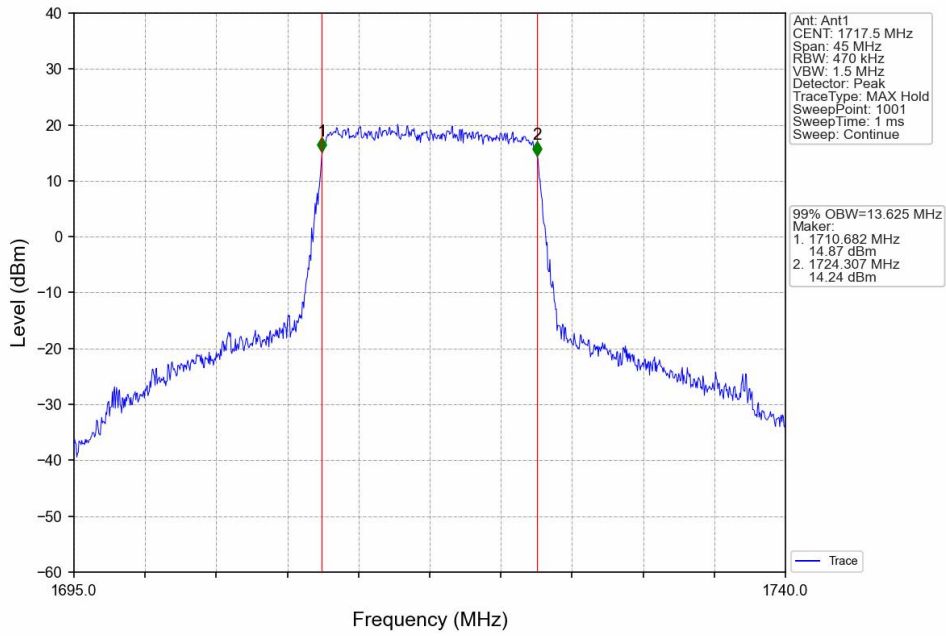
Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV



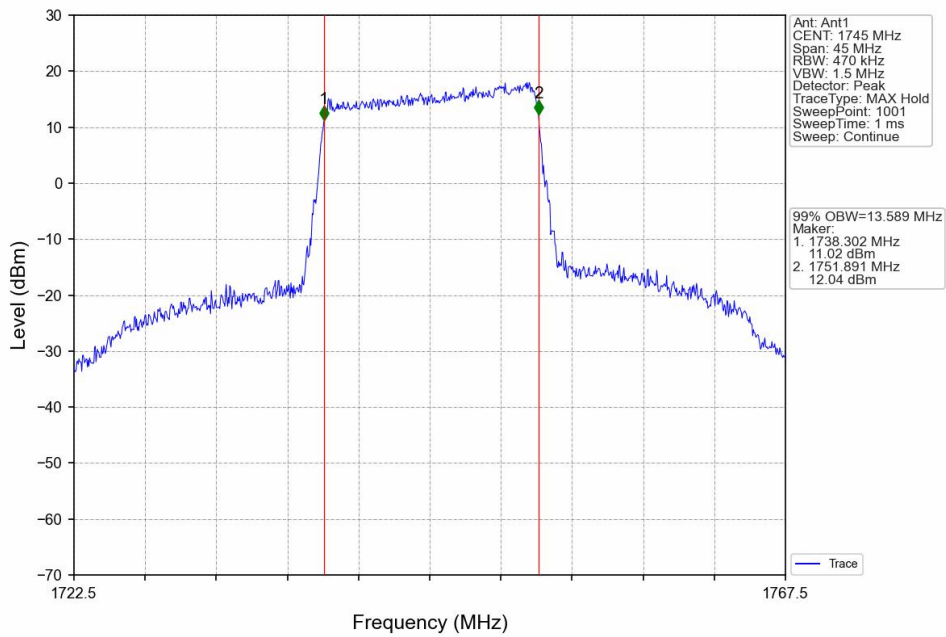
Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV



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

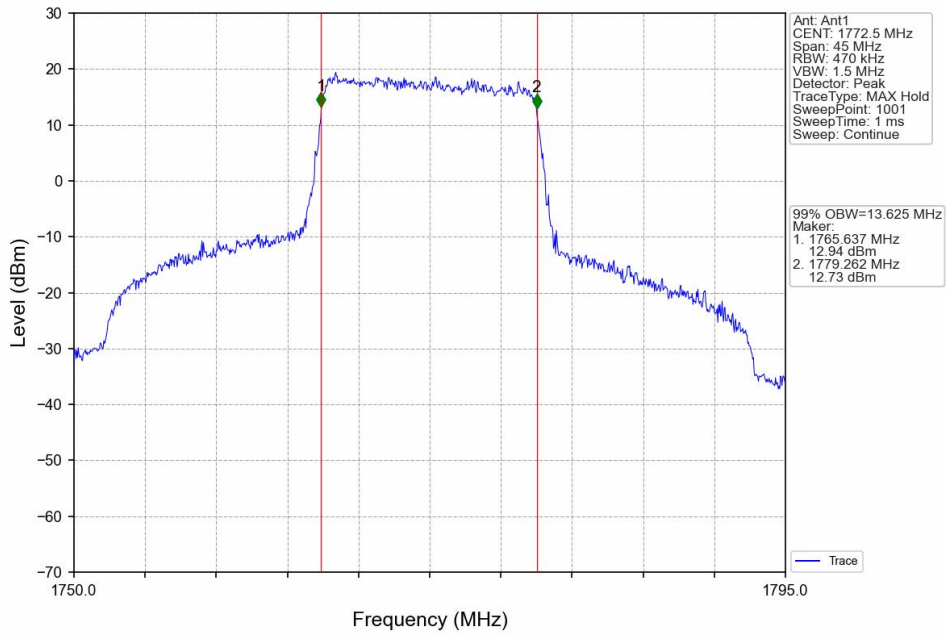


Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV

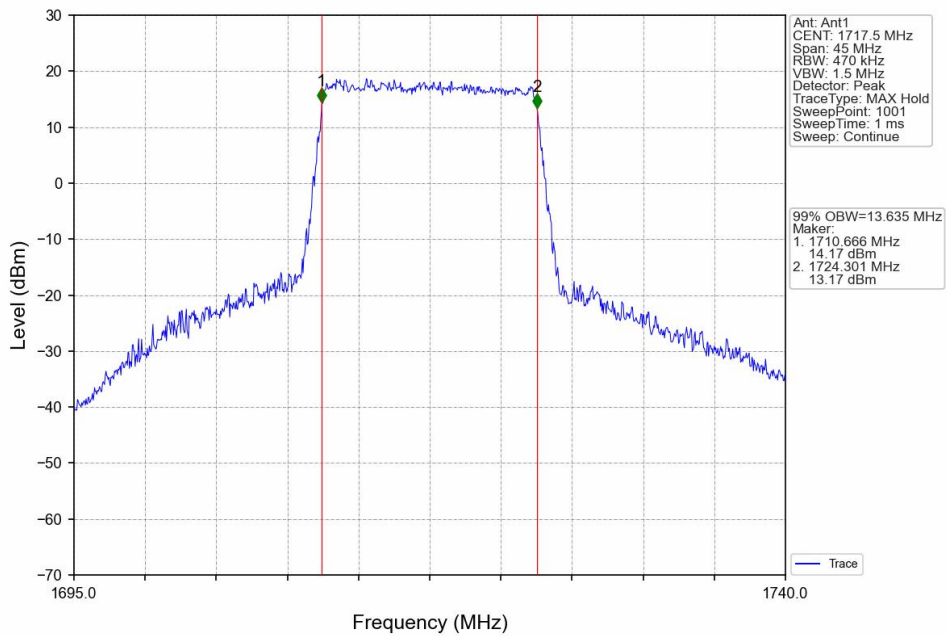




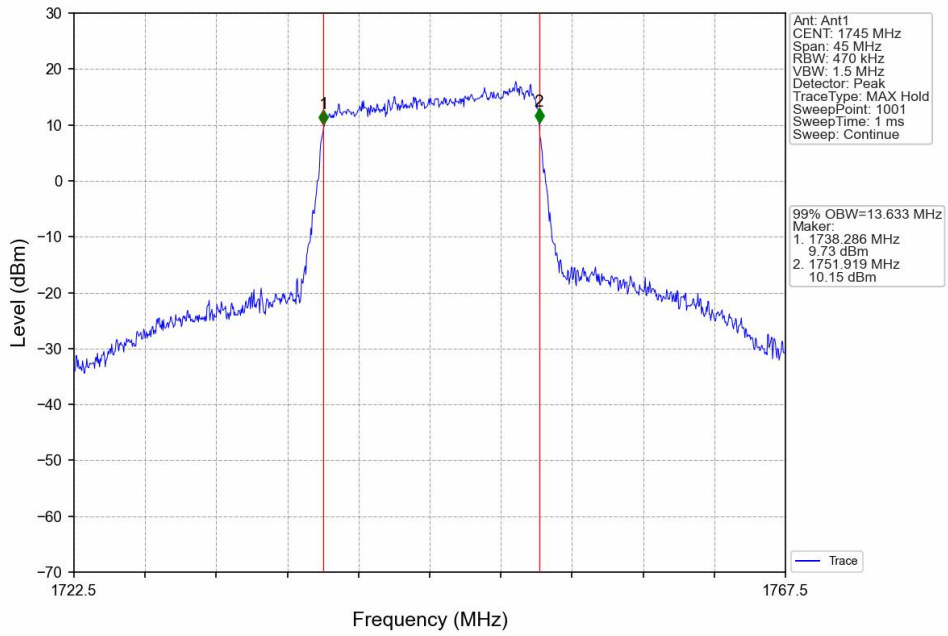
Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



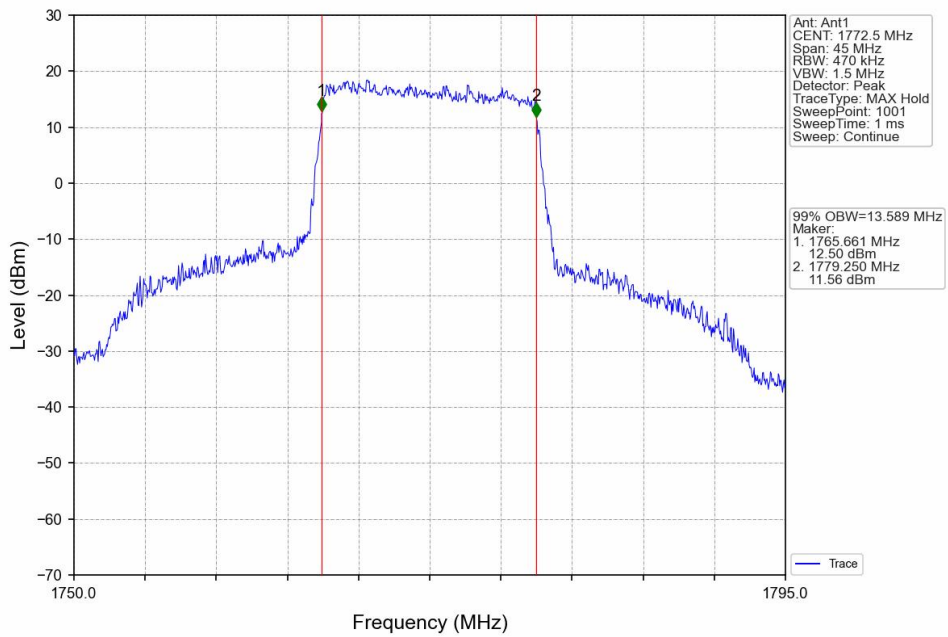
Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



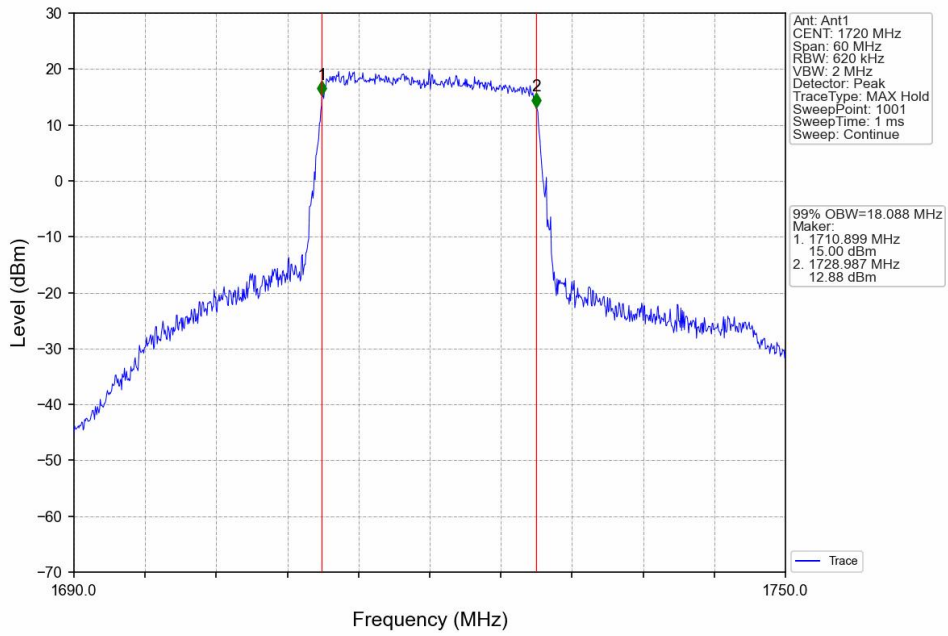
Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV



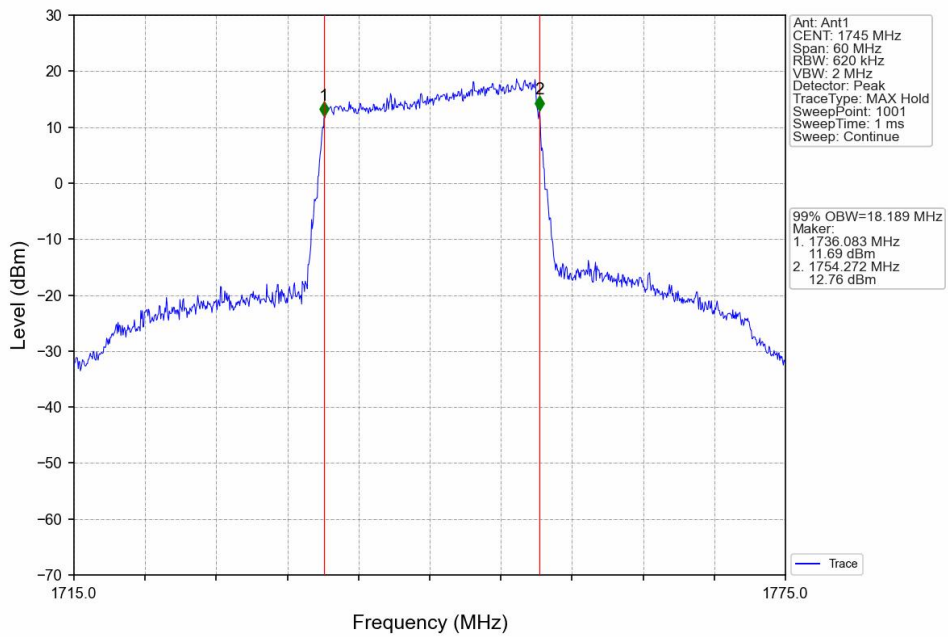
Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



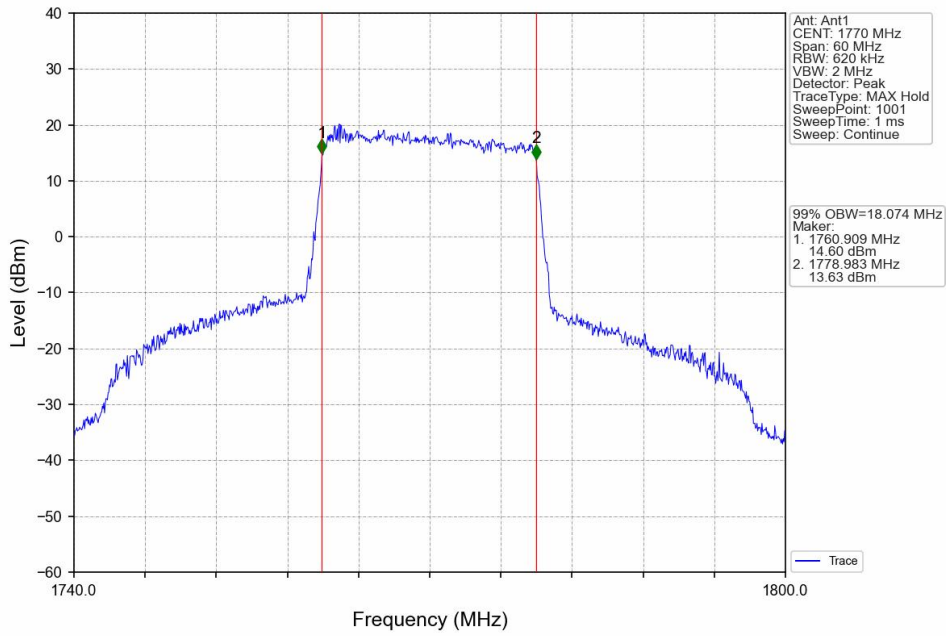
Band66\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



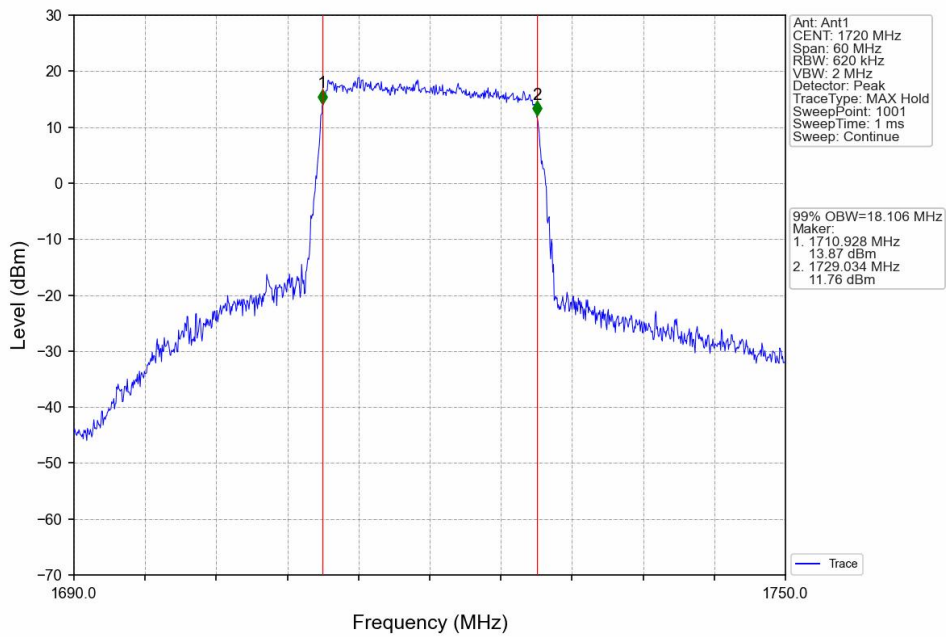
Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_100\_0\_NTNV



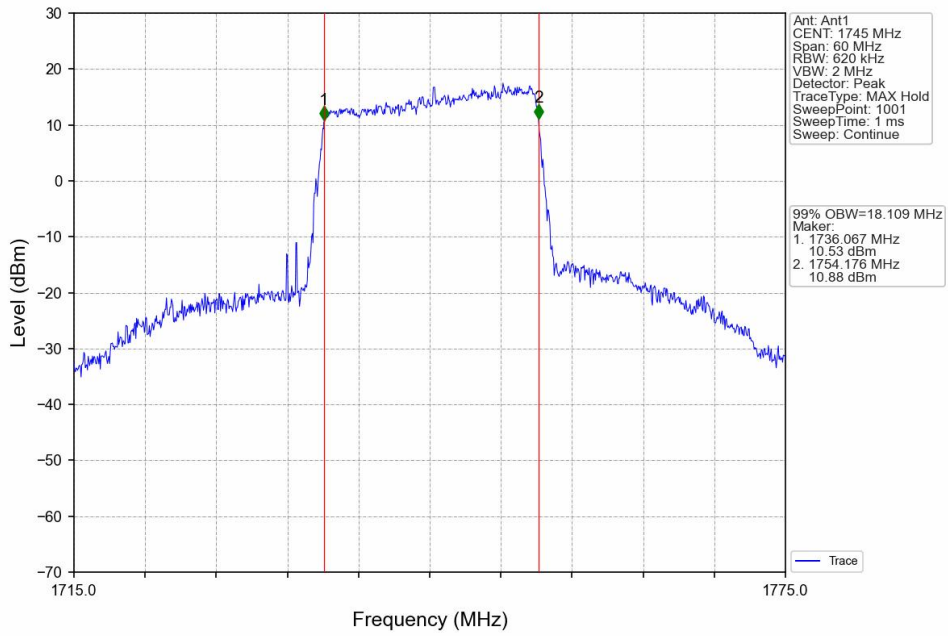
Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV



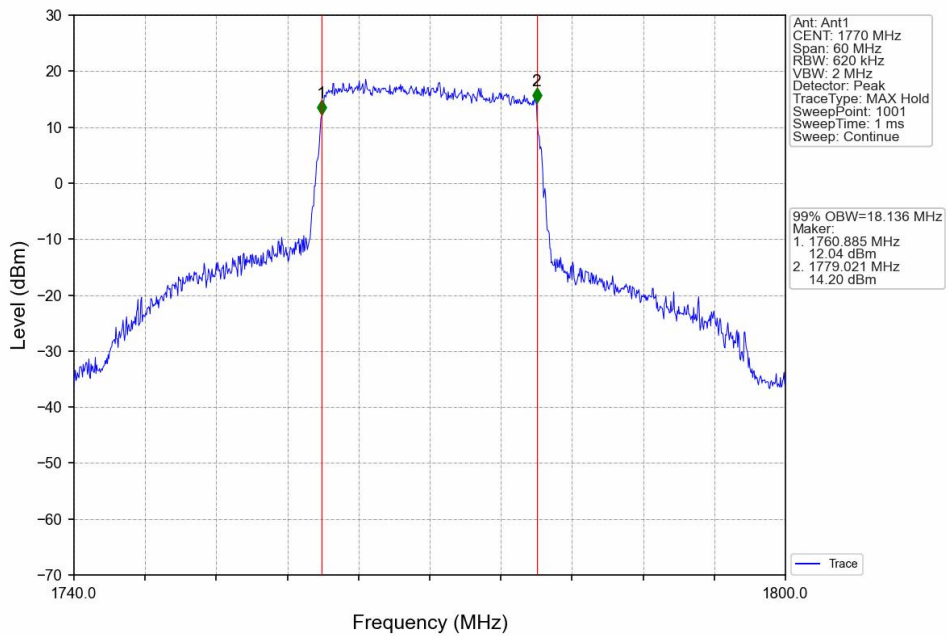
Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



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



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

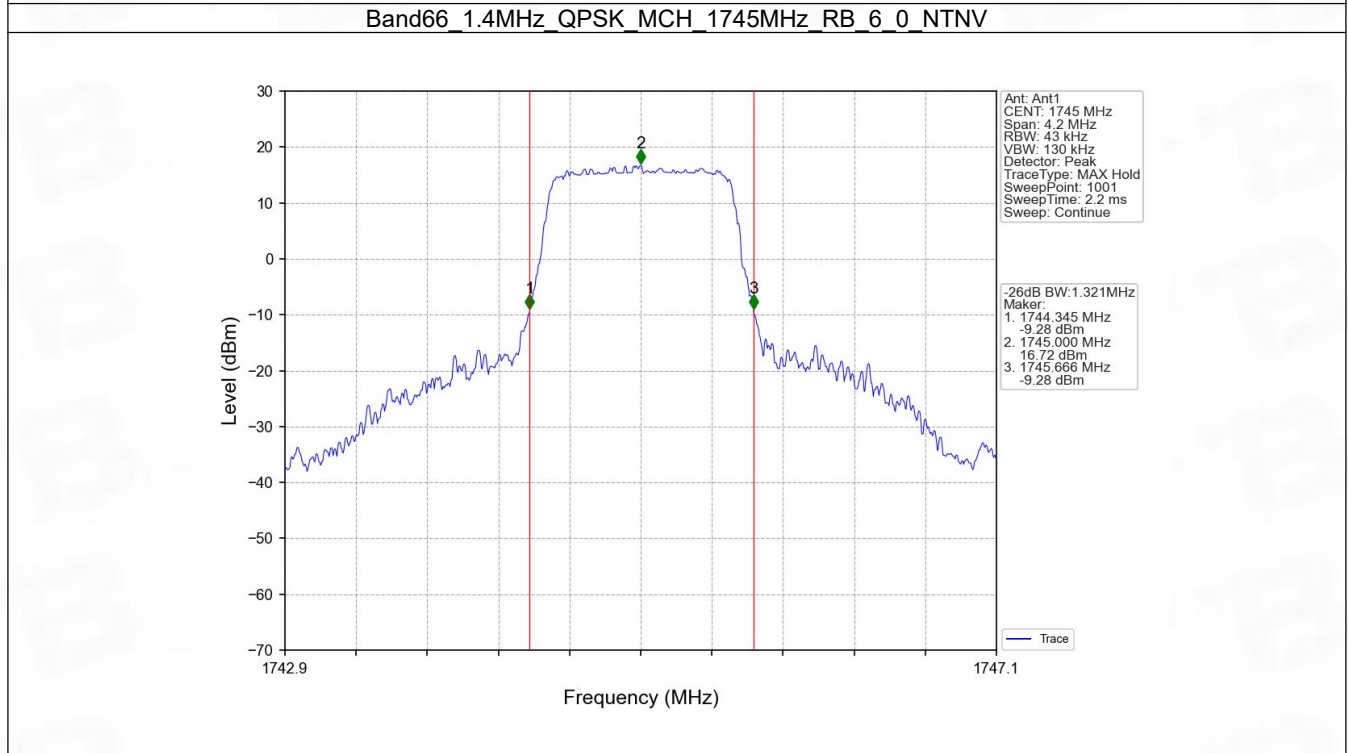
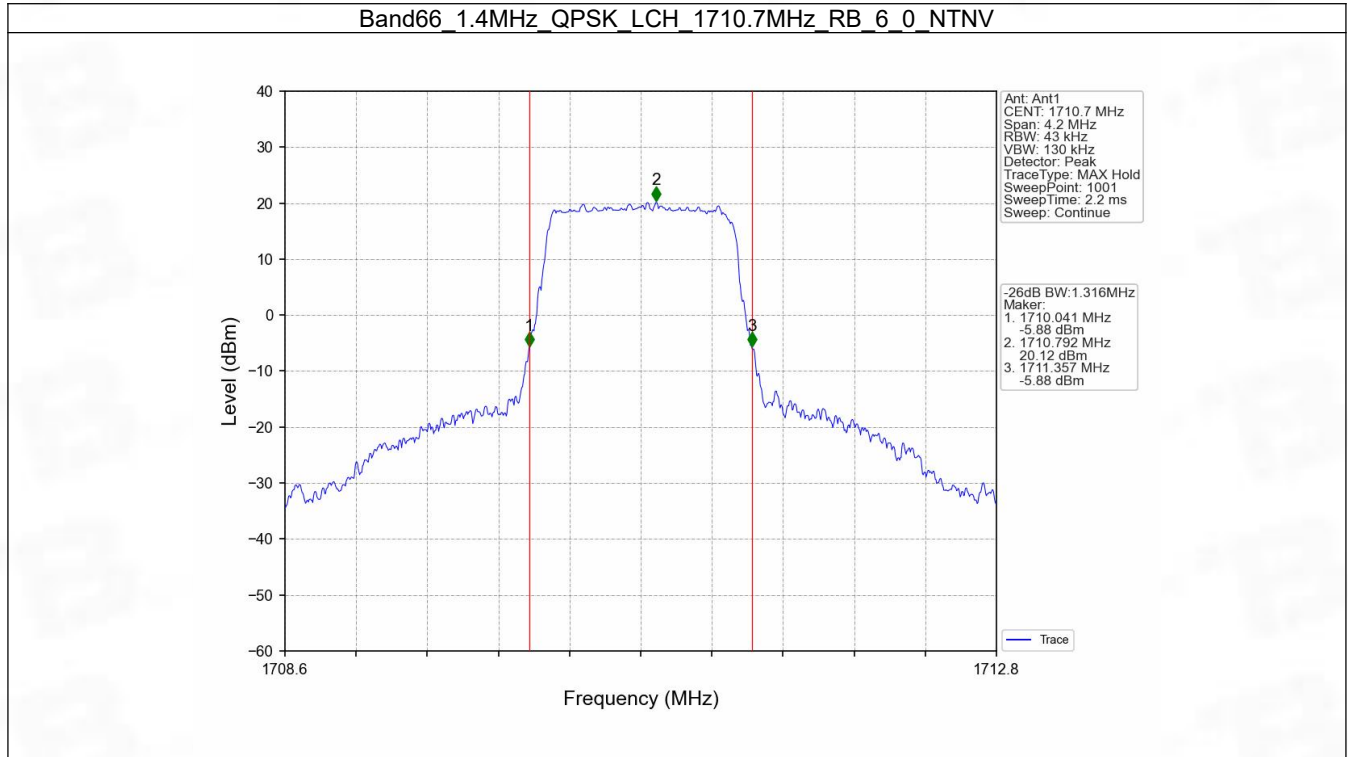


## 4.2 Band66\_XDB

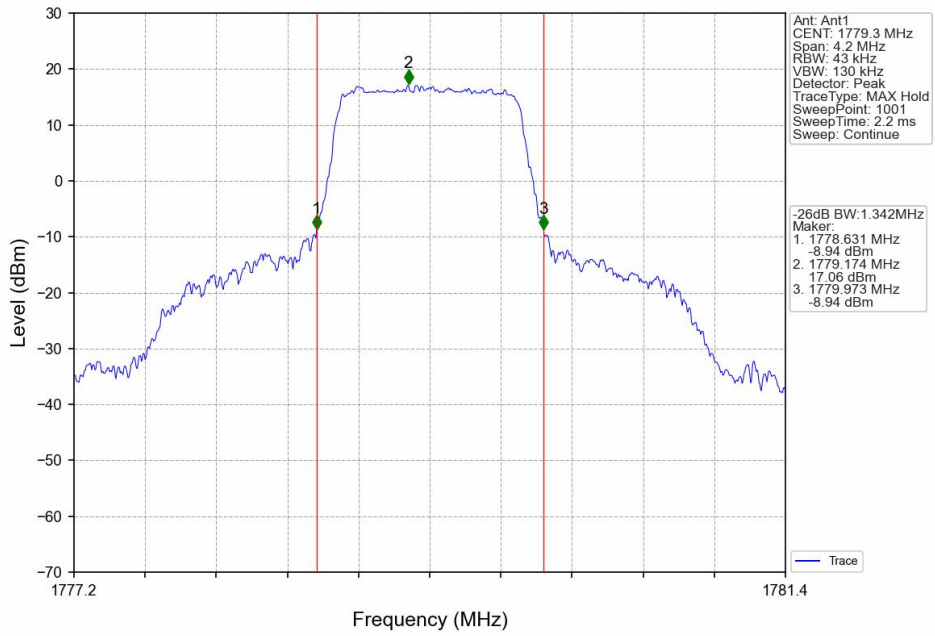
### 4.2.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.316	Pass
		1745	6	0	1.321	Pass
		1779.3	6	0	1.342	Pass
	16QAM	1710.7	6	0	1.326	Pass
		1745	6	0	1.302	Pass
		1779.3	6	0	1.336	Pass
3	QPSK	1711.5	15	0	2.976	Pass
		1745	15	0	3.004	Pass
		1778.5	15	0	3.015	Pass
	16QAM	1711.5	15	0	2.985	Pass
		1745	15	0	2.985	Pass
		1778.5	15	0	2.989	Pass
5	QPSK	1712.5	25	0	5.232	Pass
		1745	25	0	5.203	Pass
		1777.5	25	0	5.240	Pass
	16QAM	1712.5	25	0	5.279	Pass
		1745	25	0	5.253	Pass
		1777.5	25	0	5.265	Pass
10	QPSK	1715	50	0	10.255	Pass
		1745	50	0	10.145	Pass
		1775	50	0	10.269	Pass
	16QAM	1715	50	0	10.182	Pass
		1745	50	0	10.266	Pass
		1775	50	0	10.225	Pass
15	QPSK	1717.5	75	0	15.334	Pass
		1745	75	0	15.109	Pass
		1772.5	75	0	15.384	Pass
	16QAM	1717.5	75	0	15.325	Pass
		1745	75	0	15.138	Pass
		1772.5	75	0	15.180	Pass
20	QPSK	1720	100	0	20.058	Pass
		1745	100	0	20.202	Pass
		1770	100	0	20.175	Pass
	16QAM	1720	100	0	20.146	Pass
		1745	100	0	19.980	Pass
		1770	100	0	19.891	Pass

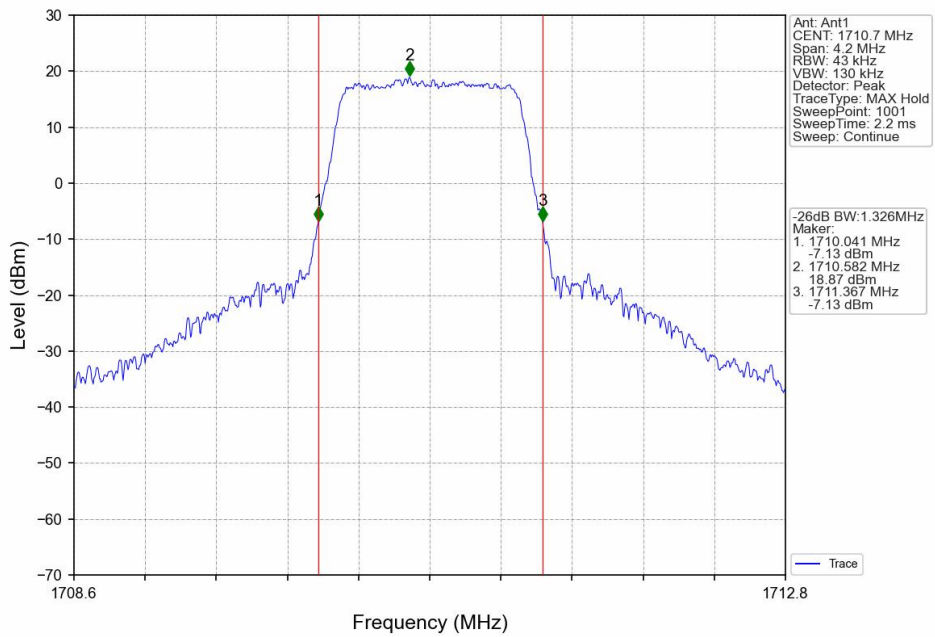
## 4.2.2 Test Graph



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

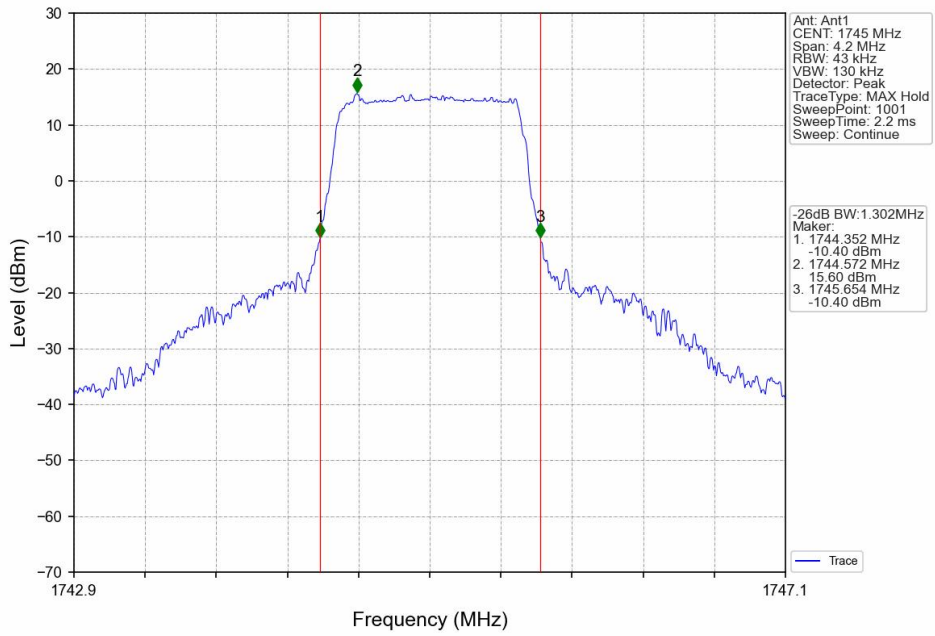


Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

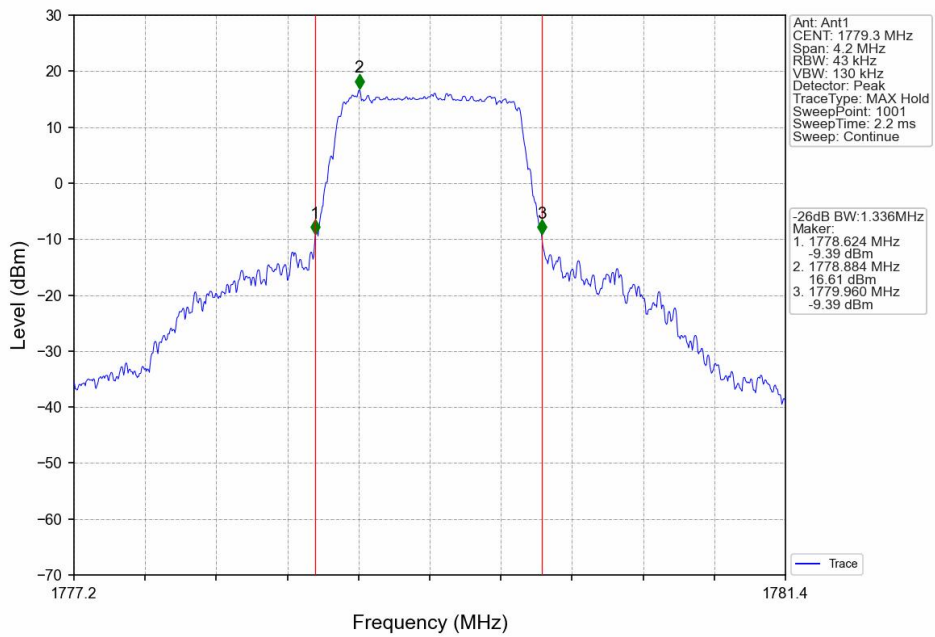




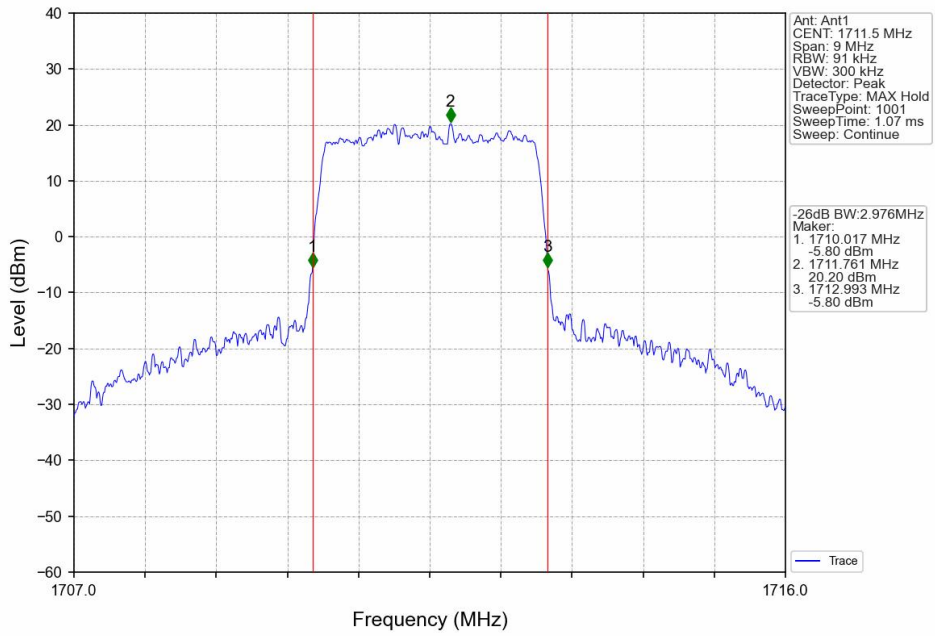
Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



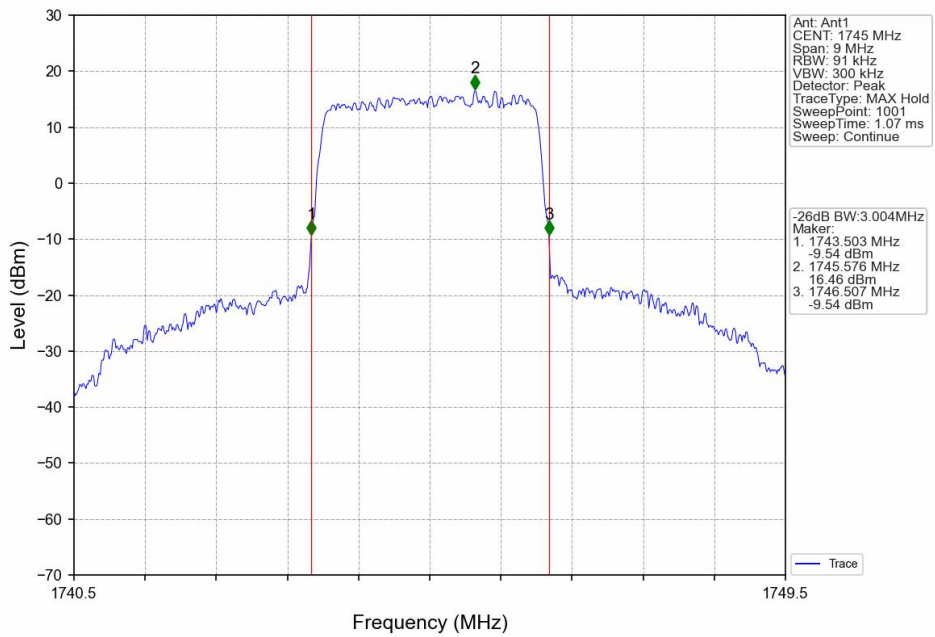
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



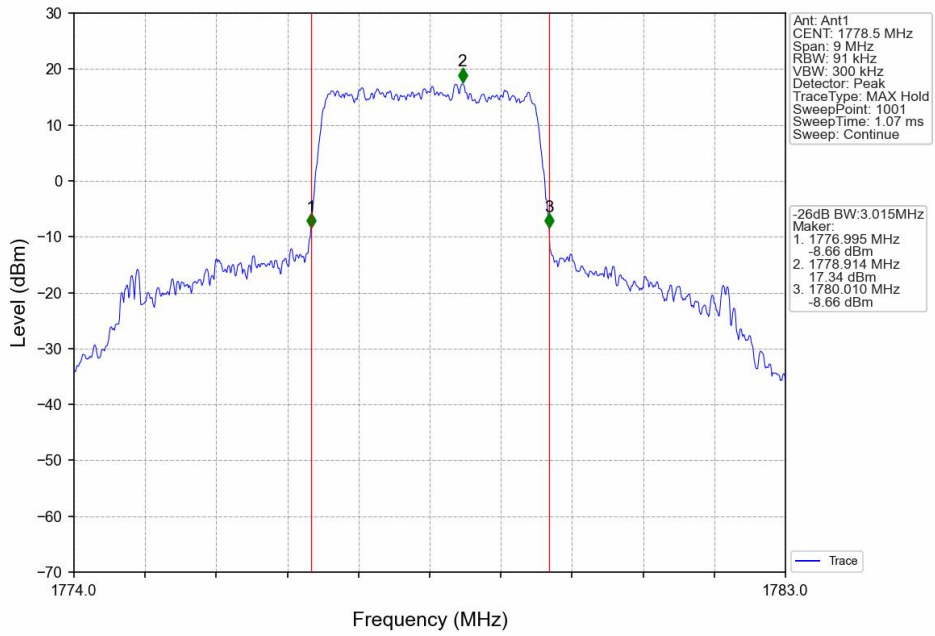
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



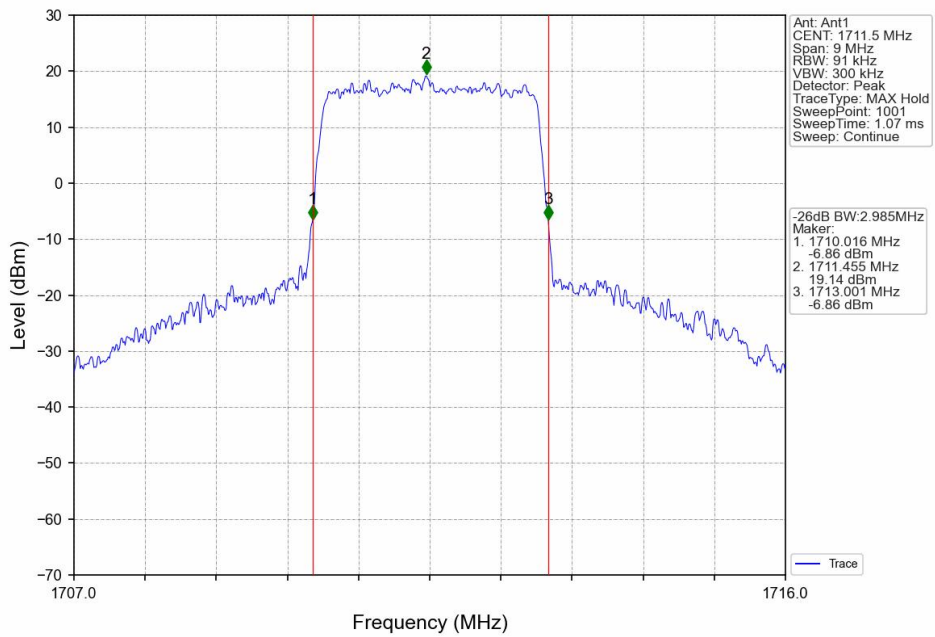
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



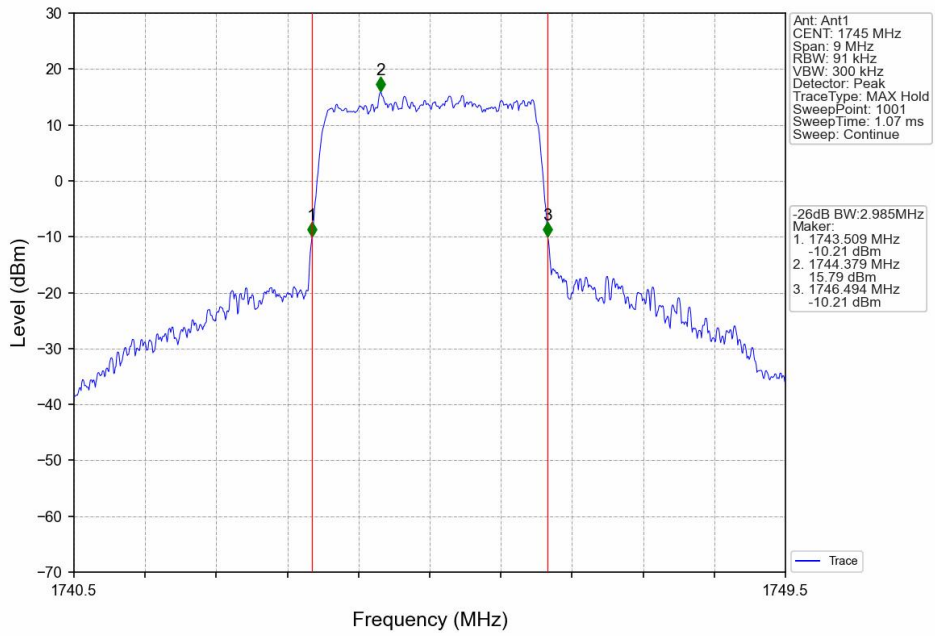
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



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

