

# Appendix B.9

## LTE Band 66



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

### 1.1 Test Result

#### 1.1.1 B66\_1.4MHz\_EIRP

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	23.63	5.13	28.76	<=30	Pass
			2	23.62	5.13	28.75	<=30	Pass
			5	23.60	5.13	28.73	<=30	Pass
		3	0	23.62	5.13	28.75	<=30	Pass
			2	23.67	5.13	28.8	<=30	Pass
			3	23.64	5.13	28.77	<=30	Pass
	1745	6	0	22.65	5.13	27.78	<=30	Pass
		1	0	23.69	5.13	28.82	<=30	Pass
			2	23.78	5.13	28.91	<=30	Pass
			5	23.69	5.13	28.82	<=30	Pass
		3	0	23.74	5.13	28.87	<=30	Pass
			2	23.74	5.13	28.87	<=30	Pass
			3	23.78	5.13	28.91	<=30	Pass
16QAM	1710.7	1	0	23.73	5.13	27.86	<=30	Pass
			0	23.75	5.13	28.88	<=30	Pass
			2	23.77	5.13	28.9	<=30	Pass
		3	0	23.77	5.13	28.9	<=30	Pass
			2	23.73	5.13	28.86	<=30	Pass
			3	23.77	5.13	28.9	<=30	Pass
		6	0	22.73	5.13	27.86	<=30	Pass
			0	22.75	5.13	28.88	<=30	Pass
			2	23.77	5.13	28.9	<=30	Pass
		1	0	23.77	5.13	28.9	<=30	Pass
			2	23.73	5.13	28.86	<=30	Pass
			3	23.77	5.13	28.9	<=30	Pass
		6	0	22.79	5.13	27.92	<=30	Pass
			0	22.84	5.13	27.97	<=30	Pass
			2	22.88	5.13	28.01	<=30	Pass
		1	5	22.81	5.13	27.94	<=30	Pass
			0	22.74	5.13	27.87	<=30	Pass
			2	22.73	5.13	27.86	<=30	Pass
		3	3	22.77	5.13	27.9	<=30	Pass
			0	21.69	5.13	26.82	<=30	Pass

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1745	1	0	22.85	5.13	27.98	<=30	Pass
		2	22.91	5.13	28.04	<=30	Pass
		5	22.83	5.13	27.96	<=30	Pass
	3	0	22.80	5.13	27.93	<=30	Pass
		2	22.79	5.13	27.92	<=30	Pass
		3	22.77	5.13	27.9	<=30	Pass
	6	0	21.75	5.13	26.88	<=30	Pass
	1779.3	0	22.96	5.13	28.09	<=30	Pass
		2	23.02	5.13	28.15	<=30	Pass
		5	22.97	5.13	28.1	<=30	Pass
	3	0	22.81	5.13	27.94	<=30	Pass
		2	22.87	5.13	28	<=30	Pass
		3	22.93	5.13	28.06	<=30	Pass
	6	0	21.78	5.13	26.91	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B66\_3MHz\_EIRP

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	23.60	5.13	28.73	<=30	Pass
			7	23.70	5.13	28.83	<=30	Pass
			14	23.62	5.13	28.75	<=30	Pass
		8	0	22.72	5.13	27.85	<=30	Pass
			4	22.76	5.13	27.89	<=30	Pass
			7	22.76	5.13	27.89	<=30	Pass
	1745	15	0	22.74	5.13	27.87	<=30	Pass
		1	0	23.66	5.13	28.79	<=30	Pass
			7	23.80	5.13	28.93	<=30	Pass
			14	23.69	5.13	28.82	<=30	Pass
		8	0	22.70	5.13	27.83	<=30	Pass
			4	22.80	5.13	27.93	<=30	Pass
			7	22.77	5.13	27.9	<=30	Pass
	1778.5	15	0	22.66	5.13	27.79	<=30	Pass
		1	0	23.72	5.13	28.85	<=30	Pass
			7	23.81	5.13	28.94	<=30	Pass
			14	23.77	5.13	28.9	<=30	Pass



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		8	0	22.80	5.13	27.93	<=30	Pass	
			4	22.80	5.13	27.93	<=30	Pass	
			7	22.82	5.13	27.95	<=30	Pass	
			15	0	22.79	5.13	27.92	<=30	Pass
16QAM	1711.5	1	0	22.85	5.13	27.98	<=30	Pass	
			7	22.90	5.13	28.03	<=30	Pass	
			14	22.87	5.13	28	<=30	Pass	
		8	0	21.77	5.13	26.9	<=30	Pass	
			4	21.75	5.13	26.88	<=30	Pass	
			7	21.74	5.13	26.87	<=30	Pass	
	1745	1	0	21.76	5.13	26.89	<=30	Pass	
			0	22.82	5.13	27.95	<=30	Pass	
			7	22.96	5.13	28.09	<=30	Pass	
		8	14	22.86	5.13	27.99	<=30	Pass	
			0	21.70	5.13	26.83	<=30	Pass	
			4	21.74	5.13	26.87	<=30	Pass	
1778.5	1778.5	1	7	21.80	5.13	26.93	<=30	Pass	
			15	0	21.70	5.13	26.83	<=30	Pass
			0	22.97	5.13	28.1	<=30	Pass	
		8	7	23.09	5.13	28.22	<=30	Pass	
			14	23.01	5.13	28.14	<=30	Pass	
			0	21.88	5.13	27.01	<=30	Pass	
	1778.5	8	4	21.88	5.13	27.01	<=30	Pass	
			7	21.85	5.13	26.98	<=30	Pass	
			15	0	21.84	5.13	26.97	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B66\_5MHz\_EIRP

Band: 66 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.74	5.13	28.87	<=30	Pass
			13	23.84	5.13	28.97	<=30	Pass
			24	23.81	5.13	28.94	<=30	Pass
		12	0	22.74	5.13	27.87	<=30	Pass
			6	22.79	5.13	27.92	<=30	Pass
			13	22.77	5.13	27.9	<=30	Pass



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		25	0	22.73	5.13	27.86	<=30	Pass
1745	1	0	23.75	5.13	28.88	<=30	Pass	
		13	23.79	5.13	28.92	<=30	Pass	
		24	23.79	5.13	28.92	<=30	Pass	
		0	22.71	5.13	27.84	<=30	Pass	
	12	6	22.74	5.13	27.87	<=30	Pass	
		13	22.81	5.13	27.94	<=30	Pass	
		25	0	22.71	5.13	27.84	<=30	Pass
1777.5	1	0	23.84	5.13	28.97	<=30	Pass	
		13	23.88	5.13	29.01	<=30	Pass	
		24	23.89	5.13	29.02	<=30	Pass	
	12	0	22.77	5.13	27.9	<=30	Pass	
		6	22.81	5.13	27.94	<=30	Pass	
		13	22.87	5.13	28	<=30	Pass	
		25	0	22.78	5.13	27.91	<=30	Pass
16QAM	1712.5	0	22.84	5.13	27.97	<=30	Pass	
		13	22.98	5.13	28.11	<=30	Pass	
		24	22.95	5.13	28.08	<=30	Pass	
		0	21.81	5.13	26.94	<=30	Pass	
		6	21.74	5.13	26.87	<=30	Pass	
		13	21.73	5.13	26.86	<=30	Pass	
	25	0	21.75	5.13	26.88	<=30	Pass	
	1745	0	22.97	5.13	28.1	<=30	Pass	
		13	22.98	5.13	28.11	<=30	Pass	
		24	23.00	5.13	28.13	<=30	Pass	
		0	21.81	5.13	26.94	<=30	Pass	
		6	21.75	5.13	26.88	<=30	Pass	
		13	21.79	5.13	26.92	<=30	Pass	
	25	0	21.73	5.13	26.86	<=30	Pass	
	1777.5	0	23.02	5.13	28.15	<=30	Pass	
		13	23.13	5.13	28.26	<=30	Pass	
		24	23.15	5.13	28.28	<=30	Pass	
		0	21.62	5.13	26.75	<=30	Pass	
		6	21.78	5.13	26.91	<=30	Pass	
		13	21.90	5.13	27.03	<=30	Pass	
	25	0	21.80	5.13	26.93	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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**1.1.4 B66\_10MHz\_EIRP**

Band: 66 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.64	5.13	28.77	<=30	Pass
			25	23.71	5.13	28.84	<=30	Pass
			49	23.65	5.13	28.78	<=30	Pass
		25	0	22.69	5.13	27.82	<=30	Pass
			13	22.84	5.13	27.97	<=30	Pass
			25	22.79	5.13	27.92	<=30	Pass
	1745	1	0	22.78	5.13	27.91	<=30	Pass
			25	23.72	5.13	28.85	<=30	Pass
			49	23.82	5.13	28.95	<=30	Pass
		25	0	23.71	5.13	28.84	<=30	Pass
			13	22.73	5.13	27.86	<=30	Pass
			25	22.75	5.13	27.88	<=30	Pass
16QAM	1775	1	0	22.86	5.13	27.99	<=30	Pass
			50	0	22.73	5.13	27.86	<=30
		1	0	23.76	5.13	28.89	<=30	Pass
			25	23.81	5.13	28.94	<=30	Pass
			49	23.79	5.13	28.92	<=30	Pass
	1715	25	0	22.78	5.13	27.91	<=30	Pass
			13	22.79	5.13	27.92	<=30	Pass
			25	22.84	5.13	27.97	<=30	Pass
		50	0	22.78	5.13	27.91	<=30	Pass
			25	22.76	5.13	27.89	<=30	Pass
			49	22.96	5.13	28.09	<=30	Pass
16QAM	1745	1	0	22.84	5.13	27.97	<=30	Pass
			0	21.71	5.13	26.84	<=30	Pass
			13	21.81	5.13	26.94	<=30	Pass
		25	25	21.80	5.13	26.93	<=30	Pass
			50	0	21.78	5.13	26.91	<=30
		1	0	22.77	5.13	27.9	<=30	Pass
			25	22.93	5.13	28.06	<=30	Pass
			49	22.96	5.13	28.09	<=30	Pass
	25	1	0	21.78	5.13	26.91	<=30	Pass
			13	21.80	5.13	26.93	<=30	Pass

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1775		25	21.86	5.13	26.99	<=30	Pass
	50	0	21.76	5.13	26.89	<=30	Pass
	1	0	23.05	5.13	28.18	<=30	Pass
		25	23.06	5.13	28.19	<=30	Pass
		49	22.99	5.13	28.12	<=30	Pass
		0	21.81	5.13	26.94	<=30	Pass
	25	13	21.82	5.13	26.95	<=30	Pass
		25	21.88	5.13	27.01	<=30	Pass
		50	0	21.76	5.13	26.89	<=30

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.5 B66\_15MHz\_EIRP

Band: 66 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.51	5.13	28.64	<=30	Pass
			38	23.62	5.13	28.75	<=30	Pass
			74	23.49	5.13	28.62	<=30	Pass
		36	0	22.54	5.13	27.67	<=30	Pass
			18	22.65	5.13	27.78	<=30	Pass
			39	22.64	5.13	27.77	<=30	Pass
	1745	75	0	22.64	5.13	27.77	<=30	Pass
		1	0	23.56	5.13	28.69	<=30	Pass
			38	23.67	5.13	28.8	<=30	Pass
			74	23.65	5.13	28.78	<=30	Pass
		36	0	22.59	5.13	27.72	<=30	Pass
			18	22.67	5.13	27.8	<=30	Pass
			39	22.77	5.13	27.9	<=30	Pass
		75	0	22.62	5.13	27.75	<=30	Pass
16QAM	1772.5	1	0	23.74	5.13	28.87	<=30	Pass
			38	23.75	5.13	28.88	<=30	Pass
			74	23.72	5.13	28.85	<=30	Pass
		36	0	22.67	5.13	27.8	<=30	Pass
			18	22.77	5.13	27.9	<=30	Pass
			39	22.72	5.13	27.85	<=30	Pass
		75	0	22.72	5.13	27.85	<=30	Pass
		1	0	23.74	5.13	28.87	<=30	Pass
			38	23.75	5.13	28.88	<=30	Pass
			74	23.72	5.13	28.85	<=30	Pass
		36	0	22.67	5.13	27.8	<=30	Pass
			18	22.77	5.13	27.9	<=30	Pass
			39	22.72	5.13	27.85	<=30	Pass
		75	0	22.72	5.13	27.85	<=30	Pass



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	1745		38	22.87	5.13	28	<=30	Pass	
			74	22.77	5.13	27.9	<=30	Pass	
		36	0	21.57	5.13	26.7	<=30	Pass	
			18	21.69	5.13	26.82	<=30	Pass	
			39	21.63	5.13	26.76	<=30	Pass	
			75	0	21.63	5.13	26.76	<=30	Pass
		1745	0	22.68	5.13	27.81	<=30	Pass	
			38	22.82	5.13	27.95	<=30	Pass	
			74	22.93	5.13	28.06	<=30	Pass	
			0	21.61	5.13	26.74	<=30	Pass	
		1772.5	18	21.67	5.13	26.8	<=30	Pass	
			39	21.73	5.13	26.86	<=30	Pass	
			75	0	21.67	5.13	26.8	<=30	Pass
			0	22.77	5.13	27.9	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

### 1.1.6 B66\_20MHz\_EIRP

Band: 66 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.54	5.13	28.67	<=30	Pass
			50	23.66	5.13	28.79	<=30	Pass
			99	23.56	5.13	28.69	<=30	Pass
		50	0	22.56	5.13	27.69	<=30	Pass
			25	22.66	5.13	27.79	<=30	Pass
			50	22.59	5.13	27.72	<=30	Pass
	1745	100	0	22.64	5.13	27.77	<=30	Pass
		1	0	23.63	5.13	28.76	<=30	Pass
			50	23.68	5.13	28.81	<=30	Pass
			99	23.72	5.13	28.85	<=30	Pass
		50	0	22.58	5.13	27.71	<=30	Pass



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	1770		25	22.65	5.13	27.78	<=30	Pass
			50	22.78	5.13	27.91	<=30	Pass
			100	0	22.66	5.13	27.79	<=30
		1	0	23.76	5.13	28.89	<=30	Pass
			50	23.77	5.13	28.9	<=30	Pass
			99	23.68	5.13	28.81	<=30	Pass
			0	22.70	5.13	27.83	<=30	Pass
			50	22.68	5.13	27.81	<=30	Pass
			50	22.73	5.13	27.86	<=30	Pass
		100	0	22.68	5.13	27.81	<=30	Pass
16QAM	1720	1	0	22.75	5.13	27.88	<=30	Pass
			50	22.81	5.13	27.94	<=30	Pass
			99	22.81	5.13	27.94	<=30	Pass
		50	0	21.55	5.13	26.68	<=30	Pass
			25	21.65	5.13	26.78	<=30	Pass
			50	21.60	5.13	26.73	<=30	Pass
	1745	100	0	21.65	5.13	26.78	<=30	Pass
		1	0	22.60	5.13	27.73	<=30	Pass
			50	22.81	5.13	27.94	<=30	Pass
			99	22.74	5.13	27.87	<=30	Pass
		50	0	21.64	5.13	26.77	<=30	Pass
			25	21.66	5.13	26.79	<=30	Pass
			50	21.74	5.13	26.87	<=30	Pass
		100	0	21.68	5.13	26.81	<=30	Pass
	1770	1	0	23.00	5.13	28.13	<=30	Pass
			50	23.00	5.13	28.13	<=30	Pass
			99	22.97	5.13	28.1	<=30	Pass
		50	0	21.69	5.13	26.82	<=30	Pass
			25	21.72	5.13	26.85	<=30	Pass
			50	21.74	5.13	26.87	<=30	Pass
			100	0	21.70	5.13	26.83	<=30

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result



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**2.1.1 B66\_1.4MHz**

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	3.748	0.0022	-2.5 to 2.5	Pass
					3.85	4.263	0.0025	-2.5 to 2.5	Pass
					4.43	2.575	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.001	0.0006	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-17.924	-0.0103	-2.5 to 2.5	Pass
					3.85	-15.178	-0.0087	-2.5 to 2.5	Pass
					4.43	-10.114	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.731	0.0010	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-17.095	-0.0096	-2.5 to 2.5	Pass
					3.85	-19.412	-0.0109	-2.5 to 2.5	Pass
					4.43	-13.318	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-7.739	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0002	-2.5 to 2.5	Pass



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16QAM	1710.7	6	0	20	3.27	1.059	0.0006	-2.5 to 2.5	Pass		
					3.85	0.615	0.0004	-2.5 to 2.5	Pass		
					4.43	0.544	0.0003	-2.5 to 2.5	Pass		
				20	-30	3.85	1.259	0.0007	-2.5 to 2.5	Pass	
					-20	3.85	2.346	0.0014	-2.5 to 2.5	Pass	
					-10	3.85	0.973	0.0006	-2.5 to 2.5	Pass	
					0	3.85	1.416	0.0008	-2.5 to 2.5	Pass	
					10	3.85	2.160	0.0013	-2.5 to 2.5	Pass	
					30	3.85	2.003	0.0012	-2.5 to 2.5	Pass	
					40	3.85	0.572	0.0003	-2.5 to 2.5	Pass	
					50	3.85	0.715	0.0004	-2.5 to 2.5	Pass	
	1745	6	0		3.27	0.715	0.0004	-2.5 to 2.5	Pass		
					3.85	-0.129	-0.0001	-2.5 to 2.5	Pass		
					4.43	0.572	0.0003	-2.5 to 2.5	Pass		
					-30	3.85	1.245	0.0007	-2.5 to 2.5	Pass	
					-20	3.85	0.844	0.0005	-2.5 to 2.5	Pass	
					-10	3.85	2.260	0.0013	-2.5 to 2.5	Pass	
					0	3.85	1.545	0.0009	-2.5 to 2.5	Pass	
					10	3.85	0.858	0.0005	-2.5 to 2.5	Pass	
					30	3.85	1.645	0.0009	-2.5 to 2.5	Pass	
					40	3.85	1.044	0.0006	-2.5 to 2.5	Pass	
					50	3.85	1.073	0.0006	-2.5 to 2.5	Pass	
	1779.3	6	0		3.27	0.715	0.0004	-2.5 to 2.5	Pass		
					3.85	1.659	0.0009	-2.5 to 2.5	Pass		
					4.43	1.616	0.0009	-2.5 to 2.5	Pass		
					-30	3.85	0.458	0.0003	-2.5 to 2.5	Pass	
					-20	3.85	1.373	0.0008	-2.5 to 2.5	Pass	
					-10	3.85	0.458	0.0003	-2.5 to 2.5	Pass	
					0	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass	
					10	3.85	2.060	0.0012	-2.5 to 2.5	Pass	
					30	3.85	2.432	0.0014	-2.5 to 2.5	Pass	
					40	3.85	1.545	0.0009	-2.5 to 2.5	Pass	
					50	3.85	0.272	0.0002	-2.5 to 2.5	Pass	

### 2.1.2 B66\_3MHz

Band: 66 / Bandwidth: 3MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict



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	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	1711.5	15	0	20	3.27	-0.014	0.0000	-2.5 to 2.5	Pass
					3.85	0.815	0.0005	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.257	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	1.373	0.0008	-2.5 to 2.5	Pass
					3.85	0.973	0.0006	-2.5 to 2.5	Pass
					4.43	1.516	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.359	0.0008	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.930	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.330	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				20	3.27	-1.345	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.173	-0.0007	-2.5 to 2.5	Pass



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	1745	15	0	-30	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.772	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	1.316	0.0008	-2.5 to 2.5	Pass
					3.85	1.588	0.0009	-2.5 to 2.5	Pass
					4.43	0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass

### 2.1.3 B66\_5MHz

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-0.443	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0004	-2.5 to 2.5	Pass



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					4.43	-0.286	-0.0002	-2.5 to 2.5	Pass			
				-30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass			
				-20	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass			
				-10	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass			
				0	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass			
				10	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass			
				30	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass			
				40	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass			
				50	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass			
					3.27	-0.629	-0.0004	-2.5 to 2.5	Pass			
					20	3.85	0.114	0.0001	-2.5 to 2.5	Pass		
						4.43	0.172	0.0001	-2.5 to 2.5	Pass		
						-30	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass	
						-20	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass	
						-10	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass	
						0	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass	
						10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass	
						30	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass	
						40	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass	
						50	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass	
						3.27	0.029	0.0000	-2.5 to 2.5	Pass		
						20	3.85	0.429	0.0002	-2.5 to 2.5	Pass	
							4.43	-0.486	-0.0003	-2.5 to 2.5	Pass	
							-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
							-20	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
							-10	3.85	0.715	0.0004	-2.5 to 2.5	Pass
							0	3.85	0.958	0.0005	-2.5 to 2.5	Pass
							10	3.85	0.315	0.0002	-2.5 to 2.5	Pass
							30	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
							40	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
							50	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
						3.27	-1.988	-0.0012	-2.5 to 2.5	Pass		
						20	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass	
							4.43	-0.186	-0.0001	-2.5 to 2.5	Pass	
							-30	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
							-20	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
							-10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass

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			0	0	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-1.287	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-0.072	0.0000	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.459	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.215	0.0001	-2.5 to 2.5	Pass

#### 2.1.4 B66\_10MHz

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	-1.559	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.287	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass

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				-10	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.459	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	0.215	0.0001	-2.5 to 2.5	Pass
					3.85	0.386	0.0002	-2.5 to 2.5	Pass
					4.43	0.458	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	0.544	0.0003	-2.5 to 2.5	Pass
					3.85	-0.086	0.0000	-2.5 to 2.5	Pass
					4.43	-0.772	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
	16QAM	1715	50	20	3.27	-1.287	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.774	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass



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1745	50	0	40	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass	
			50	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass	
			20	3.27	-1.445	-0.0008	-2.5 to 2.5	Pass	
				3.85	-1.373	-0.0008	-2.5 to 2.5	Pass	
				4.43	-1.860	-0.0011	-2.5 to 2.5	Pass	
				-30	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
			-20	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass	
				-10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
1775	50	0	20	3.27	-0.286	-0.0002	-2.5 to 2.5	Pass	
				3.85	-1.187	-0.0007	-2.5 to 2.5	Pass	
				4.43	-1.731	-0.0010	-2.5 to 2.5	Pass	
				-30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
			-20	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass	
				-10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass

### 2.1.5 B66\_15MHz

Band: 66 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)			
		Size	Offset				Result	Limit		
QPSK	1717.5	75	0	20	3.27	-1.245	-0.0007	-2.5 to 2.5	Pass	
					3.85	-0.815	-0.0005	-2.5 to 2.5	Pass	
					4.43	0.014	0.0000	-2.5 to 2.5	Pass	
					-30	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass	
					-10	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
					0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
					10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass



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1745	75	0	30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass	
			40	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass	
			50	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass	
			20	3.27	-0.772	-0.0004	-2.5 to 2.5	Pass	
				3.85	-0.873	-0.0005	-2.5 to 2.5	Pass	
				4.43	-0.558	-0.0003	-2.5 to 2.5	Pass	
				-30	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
			-10	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass	
			0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass	
			10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass	
			30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass	
			40	3.85	0.157	0.0001	-2.5 to 2.5	Pass	
			50	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass	
1772.5	75	0	20	3.27	-1.187	-0.0007	-2.5 to 2.5	Pass	
				3.85	-0.429	-0.0002	-2.5 to 2.5	Pass	
				4.43	-1.073	-0.0006	-2.5 to 2.5	Pass	
				-30	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
			-10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass	
			0	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass	
			10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass	
			30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass	
			40	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass	
			50	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass	
16QAM	1717.5	75	20	3.27	-1.345	-0.0008	-2.5 to 2.5	Pass	
				3.85	-1.760	-0.0010	-2.5 to 2.5	Pass	
				4.43	-1.359	-0.0008	-2.5 to 2.5	Pass	
				-30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
			-10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass	
			0	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass	
			10	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass	
			30	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass	
			40	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass	
			50	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass	
	1745	75	0	20	3.27	-0.916	-0.0005	-2.5 to 2.5	Pass



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					3.85	-1.502	-0.0009	-2.5 to 2.5	Pass	
					4.43	-0.257	-0.0001	-2.5 to 2.5	Pass	
					-30	3.85	0.401	0.0002	-2.5 to 2.5	Pass
					-20	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
					-10	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
					0	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
					10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					30	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
					40	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
					50	3.85	0.486	0.0003	-2.5 to 2.5	Pass
1772.5	75	0		20	3.27	-0.658	-0.0004	-2.5 to 2.5	Pass	
					3.85	-1.488	-0.0008	-2.5 to 2.5	Pass	
					4.43	-0.701	-0.0004	-2.5 to 2.5	Pass	
				-30	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass	
				-20	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass	
				-10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass	
				0	3.85	-2.203	-0.0012	-2.5 to 2.5	Pass	
				10	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass	
				30	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass	
				40	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass	
				50	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass	

### 2.1.6 B66\_20MHz

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-1.144	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.631	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass



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1745	100	0	20	3.27	-1.488	-0.0009	-2.5 to 2.5	Pass	
				3.85	-0.944	-0.0005	-2.5 to 2.5	Pass	
				4.43	-1.345	-0.0008	-2.5 to 2.5	Pass	
				-30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
			10	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass	
				0	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
			50	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass	
				3.27	-1.516	-0.0009	-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	-1.545	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
16QAM	100	0	20	3.27	-2.375	-0.0014	-2.5 to 2.5	Pass	
				3.85	-2.060	-0.0012	-2.5 to 2.5	Pass	
				4.43	-2.418	-0.0014	-2.5 to 2.5	Pass	
				-30	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
			50	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass	
				3.27	-1.030	-0.0006	-2.5 to 2.5	Pass	
				3.85	-0.372	-0.0002	-2.5 to 2.5	Pass	
				4.43	-1.187	-0.0007	-2.5 to 2.5	Pass	
			-30	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass	



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	1770	100		-20	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
			0	20	3.27	-1.144	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band66\_OBW

Band: 66 / NTVV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.122	/	Pass
		1745	6	0	1.124	/	Pass
		1779.3	6	0	1.125	/	Pass
	16QAM	1710.7	6	0	1.118	/	Pass
		1745	6	0	1.132	/	Pass
		1779.3	6	0	1.118	/	Pass
3	QPSK	1711.5	15	0	2.762	/	Pass
		1745	15	0	2.746	/	Pass
		1778.5	15	0	2.750	/	Pass



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	16QAM	1711.5	15	0	2.749	/	Pass
		1745	15	0	2.755	/	Pass
		1778.5	15	0	2.744	/	Pass
5	QPSK	1712.5	25	0	4.579	/	Pass
		1745	25	0	4.577	/	Pass
		1777.5	25	0	4.569	/	Pass
	16QAM	1712.5	25	0	4.573	/	Pass
		1745	25	0	4.558	/	Pass
		1777.5	25	0	4.589	/	Pass
10	QPSK	1715	50	0	9.107	/	Pass
		1745	50	0	9.071	/	Pass
		1775	50	0	9.088	/	Pass
	16QAM	1715	50	0	9.110	/	Pass
		1745	50	0	9.106	/	Pass
		1775	50	0	9.097	/	Pass
15	QPSK	1717.5	75	0	13.628	/	Pass
		1745	75	0	13.615	/	Pass
		1772.5	75	0	13.630	/	Pass
	16QAM	1717.5	75	0	13.648	/	Pass
		1745	75	0	13.664	/	Pass
		1772.5	75	0	13.666	/	Pass
20	QPSK	1720	100	0	18.209	/	Pass
		1745	100	0	18.155	/	Pass
		1770	100	0	18.134	/	Pass
	16QAM	1720	100	0	18.148	/	Pass
		1745	100	0	18.176	/	Pass
		1770	100	0	18.159	/	Pass

### 3.1.2 Band66\_XDB

Band: 66 / NTVN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.407	/	Pass
		1745	6	0	1.397	/	Pass
		1779.3	6	0	1.394	/	Pass
	16QAM	1710.7	6	0	1.427	/	Pass
		1745	6	0	1.444	/	Pass



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		1779.3	6	0	1.427	/	Pass
3	QPSK	1711.5	15	0	3.073	/	Pass
		1745	15	0	3.136	/	Pass
		1778.5	15	0	3.102	/	Pass
	16QAM	1711.5	15	0	3.140	/	Pass
		1745	15	0	3.117	/	Pass
		1778.5	15	0	3.137	/	Pass
5	QPSK	1712.5	25	0	5.295	/	Pass
		1745	25	0	5.237	/	Pass
		1777.5	25	0	5.237	/	Pass
	16QAM	1712.5	25	0	5.245	/	Pass
		1745	25	0	5.208	/	Pass
		1777.5	25	0	5.190	/	Pass
10	QPSK	1715	50	0	10.134	/	Pass
		1745	50	0	10.228	/	Pass
		1775	50	0	10.209	/	Pass
	16QAM	1715	50	0	10.183	/	Pass
		1745	50	0	10.146	/	Pass
		1775	50	0	10.253	/	Pass
15	QPSK	1717.5	75	0	15.204	/	Pass
		1745	75	0	15.174	/	Pass
		1772.5	75	0	15.125	/	Pass
	16QAM	1717.5	75	0	15.295	/	Pass
		1745	75	0	15.267	/	Pass
		1772.5	75	0	15.084	/	Pass
20	QPSK	1720	100	0	20.103	/	Pass
		1745	100	0	20.194	/	Pass
		1770	100	0	20.289	/	Pass
	16QAM	1720	100	0	19.999	/	Pass
		1745	100	0	20.128	/	Pass
		1770	100	0	20.111	/	Pass

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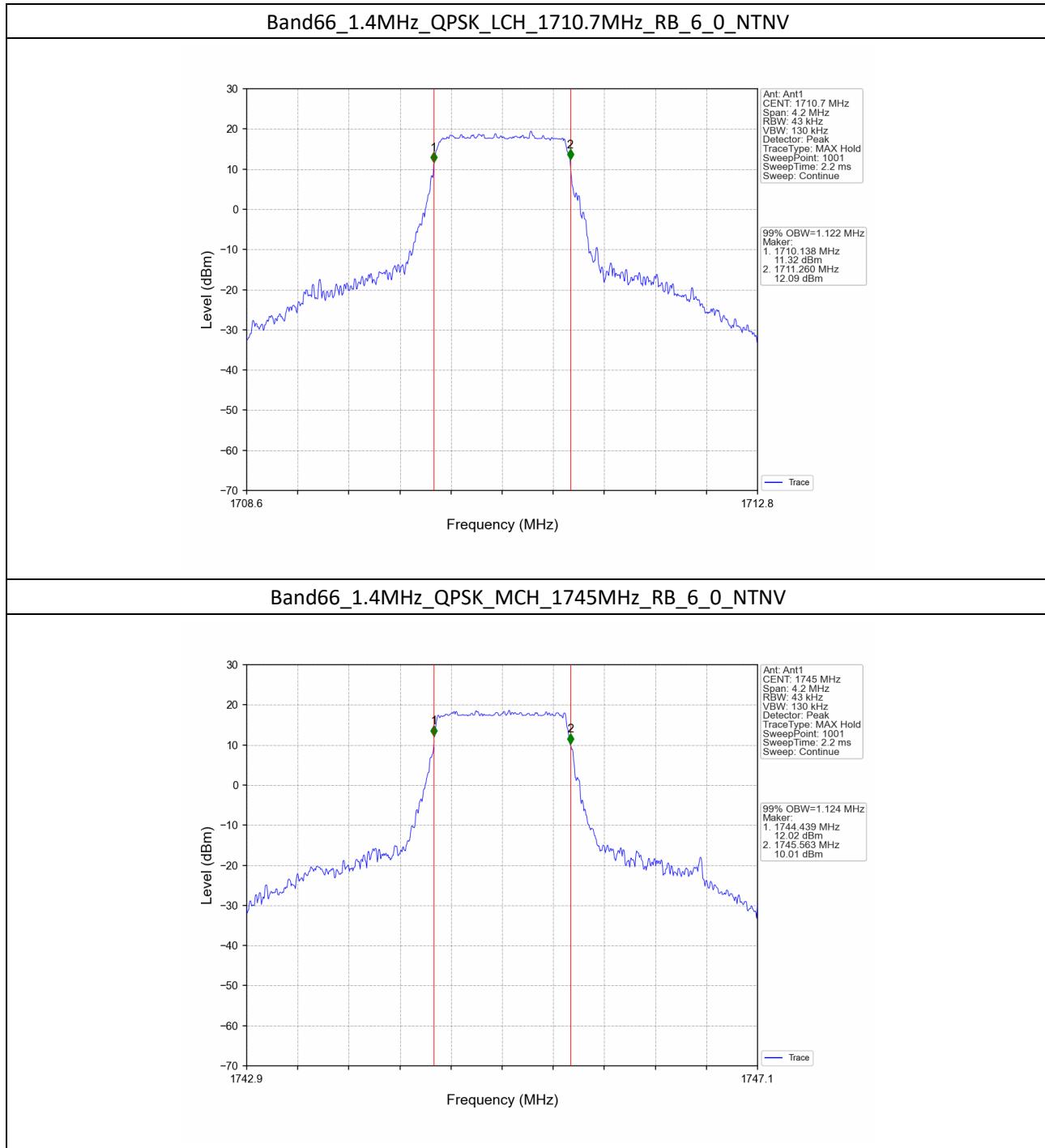
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## 3.2 Test Graph

### 3.2.1 Band66\_OBW

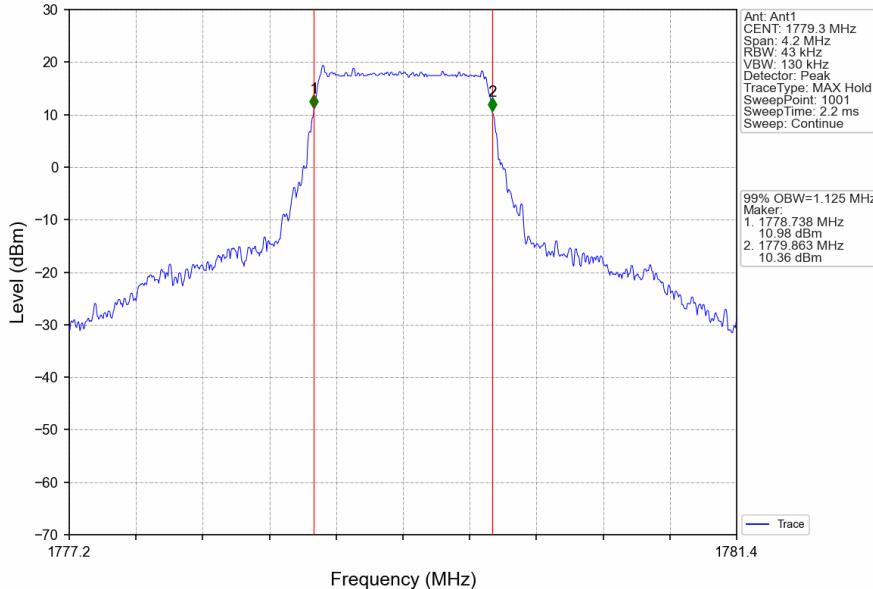
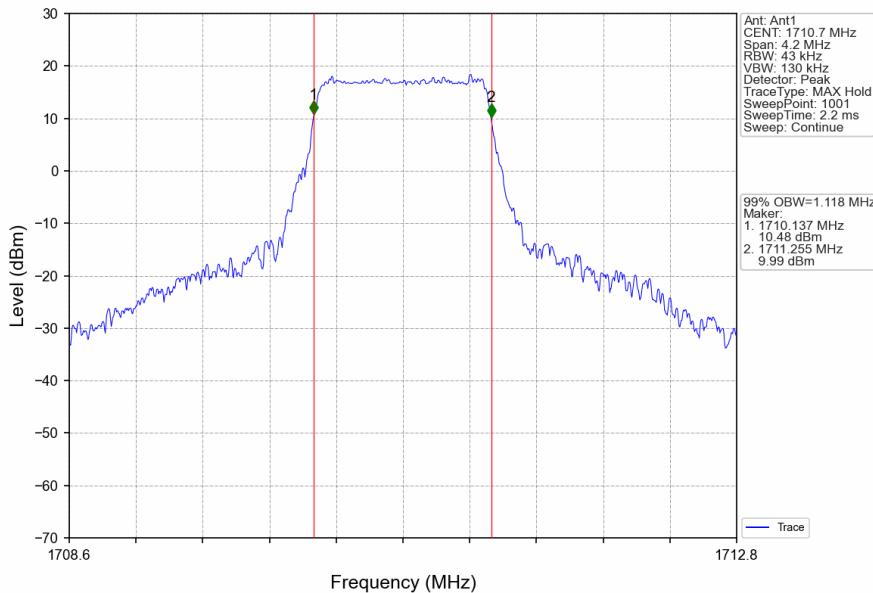


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**Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV****Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV**

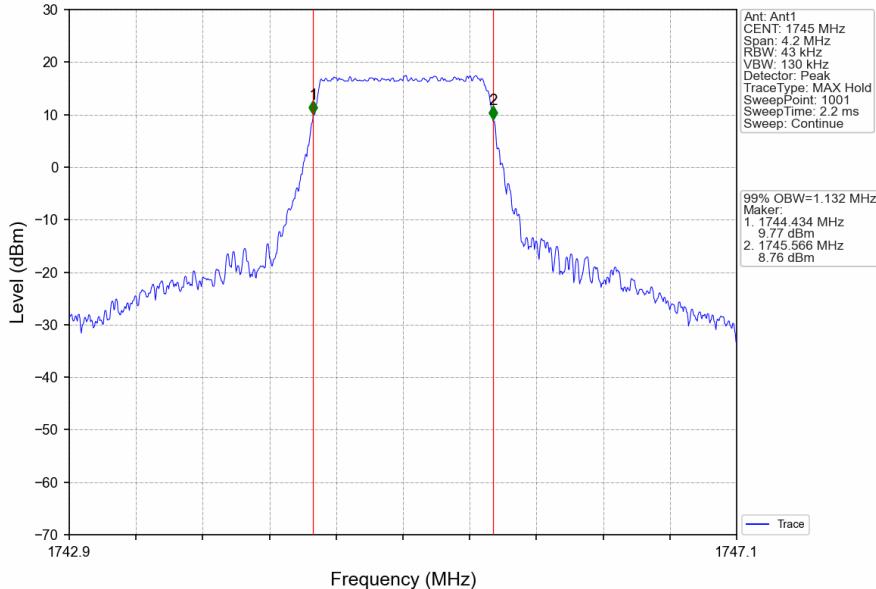
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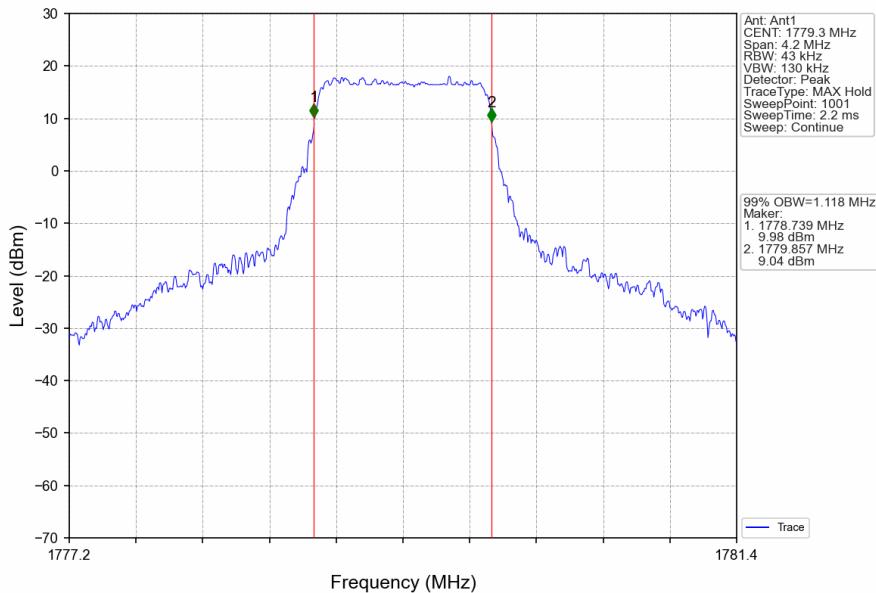
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## Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



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

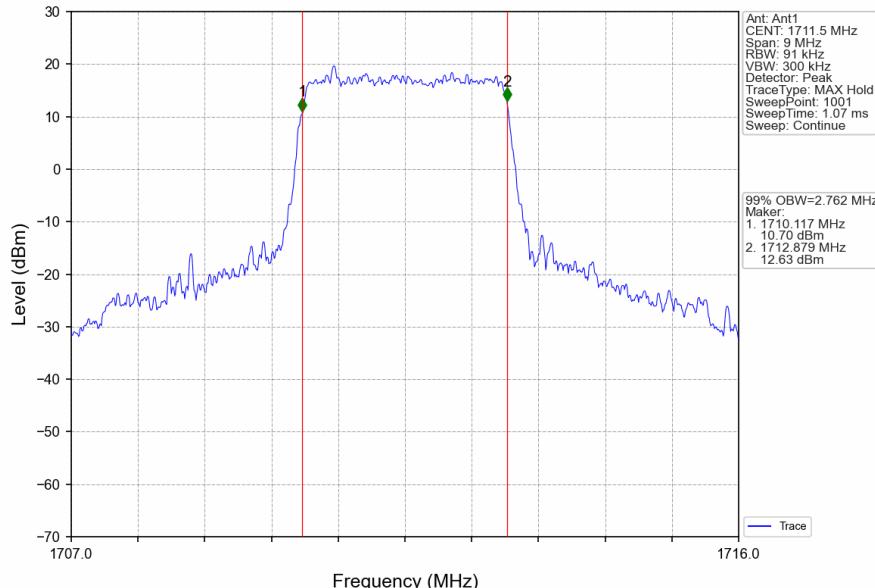


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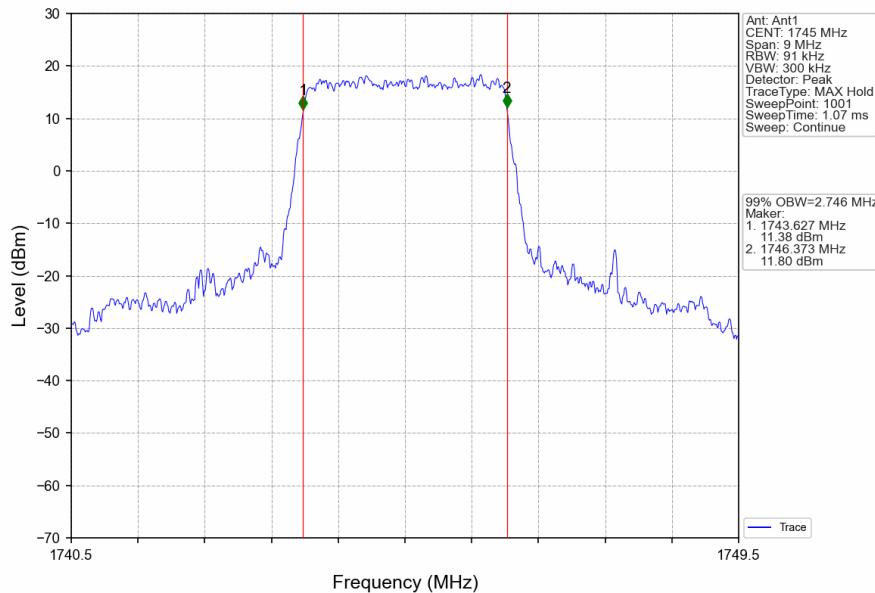
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## Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



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



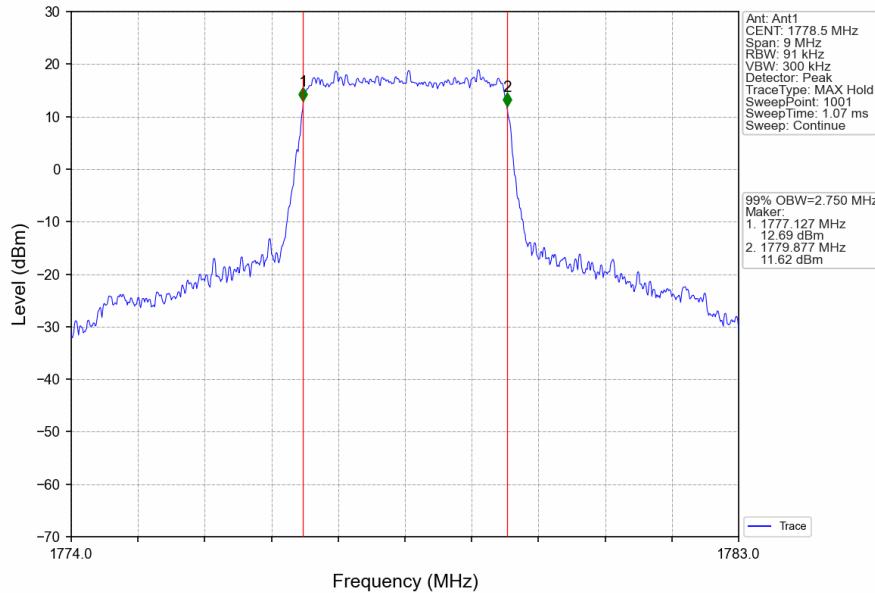
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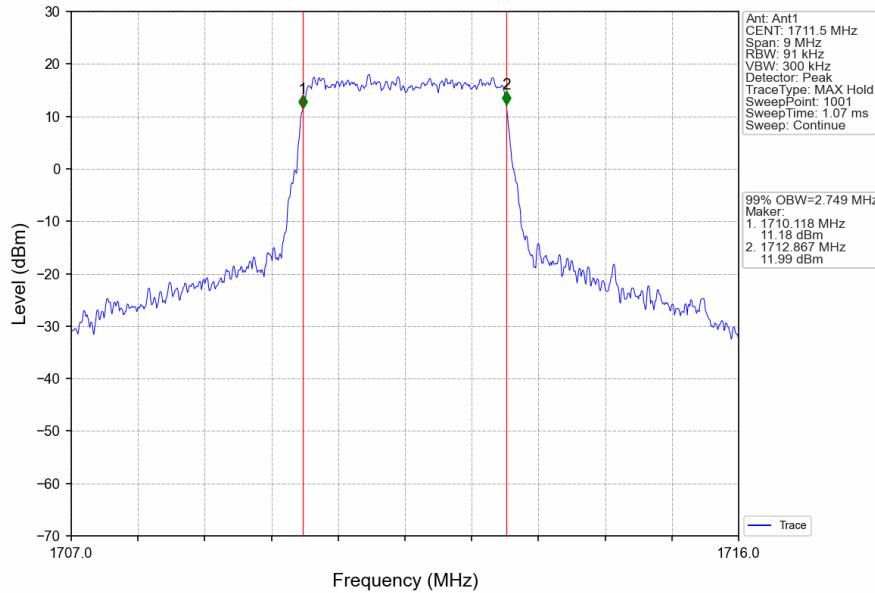


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## Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



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

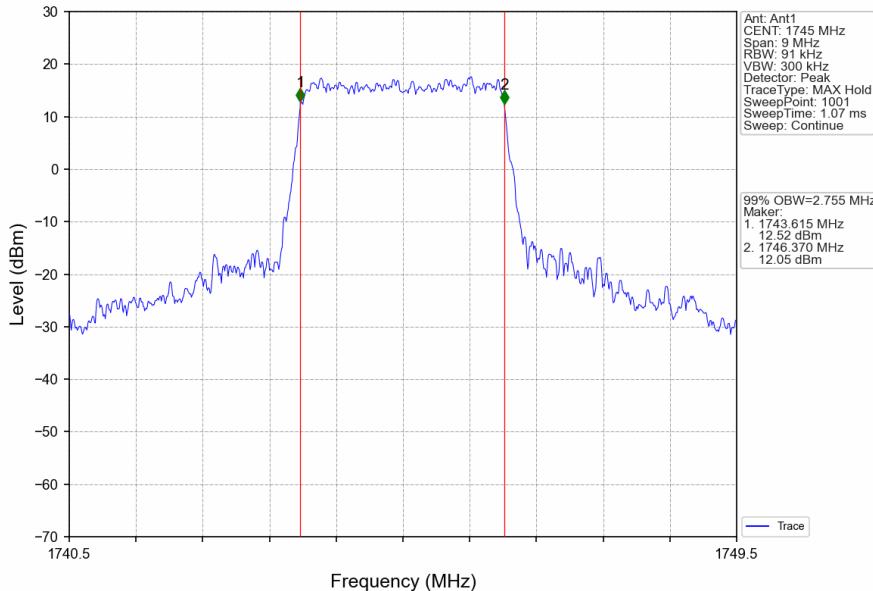


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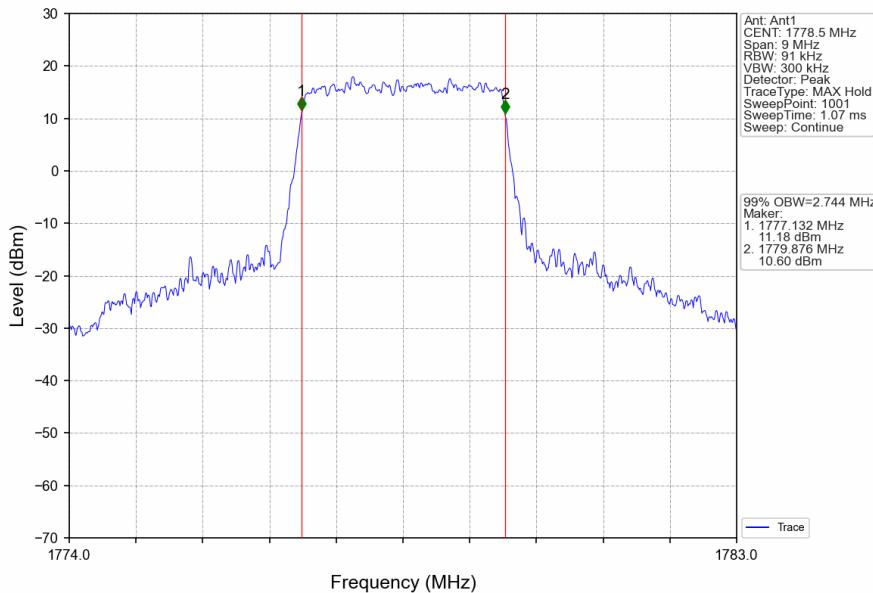
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## Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



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



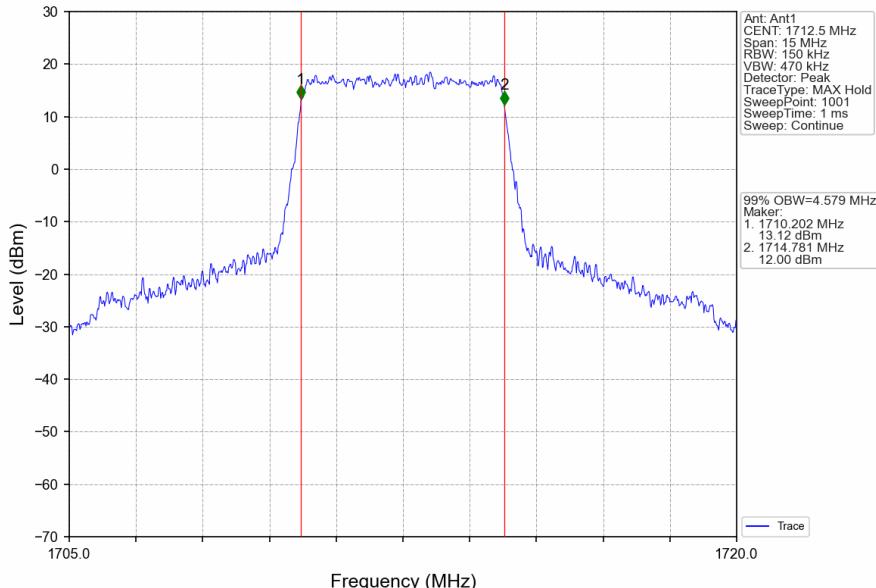
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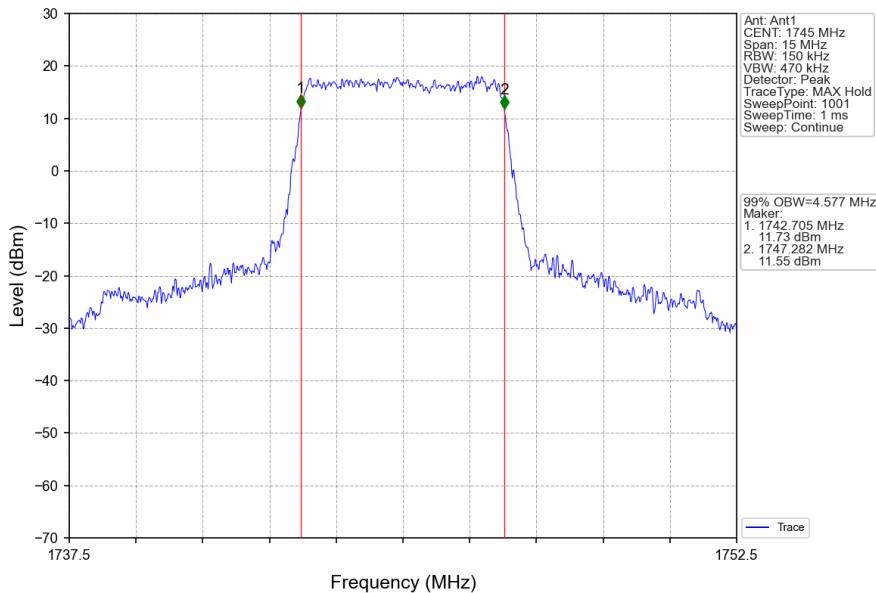


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## Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



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

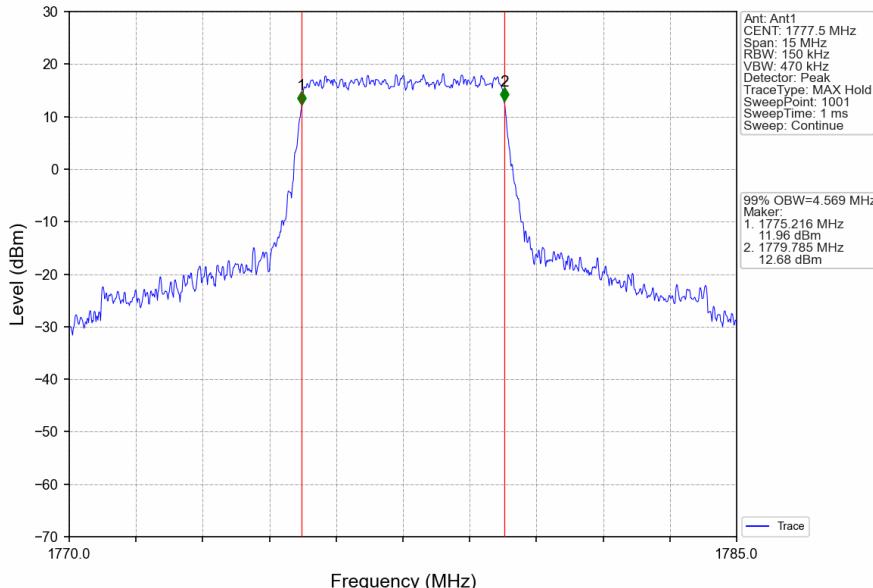


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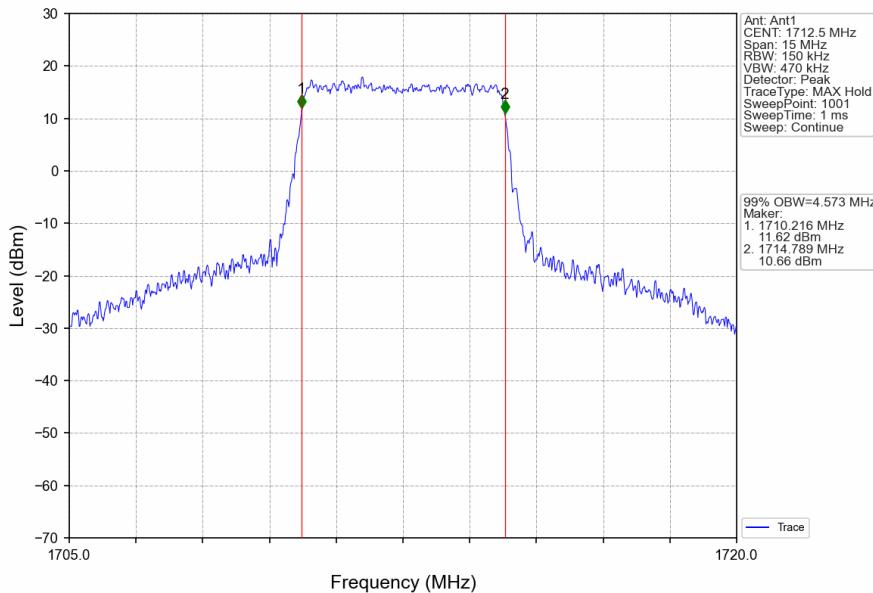
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## Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



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

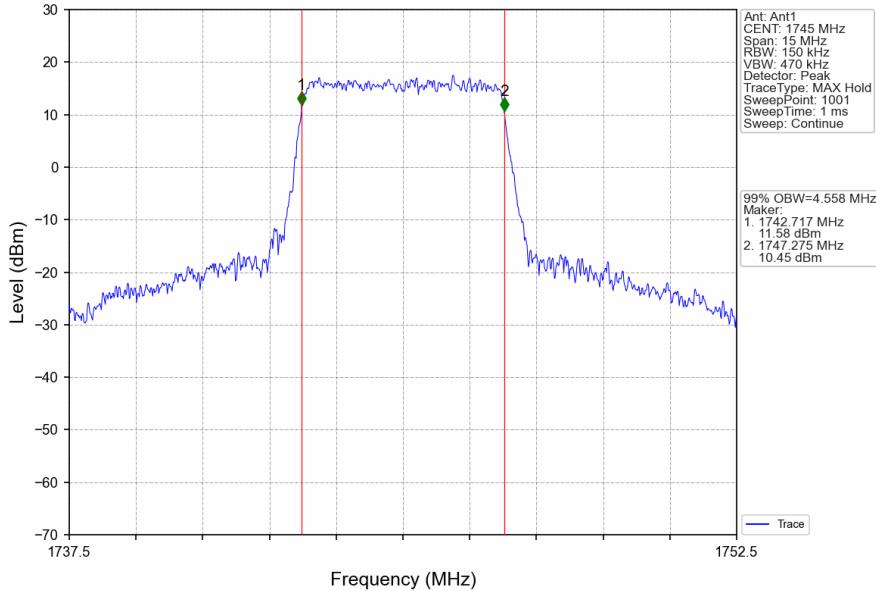


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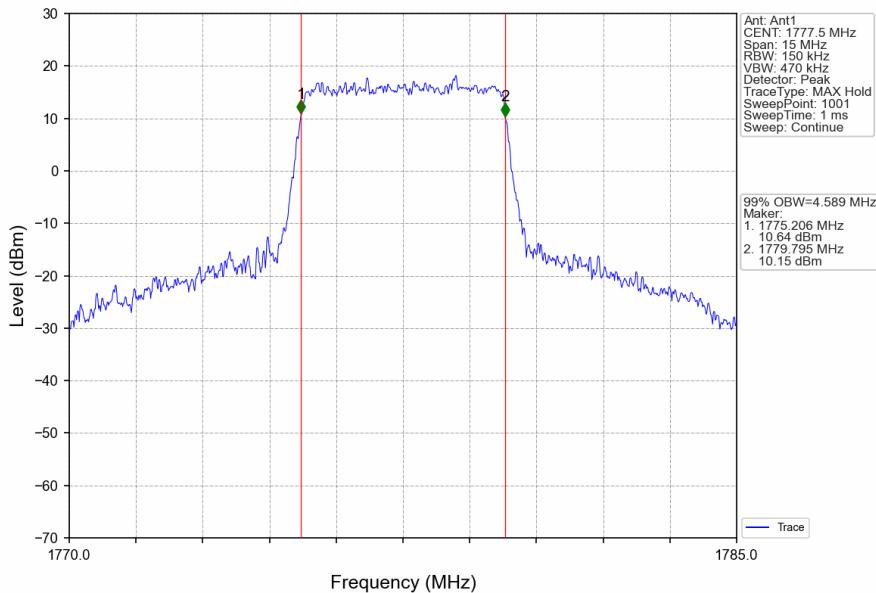
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## Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



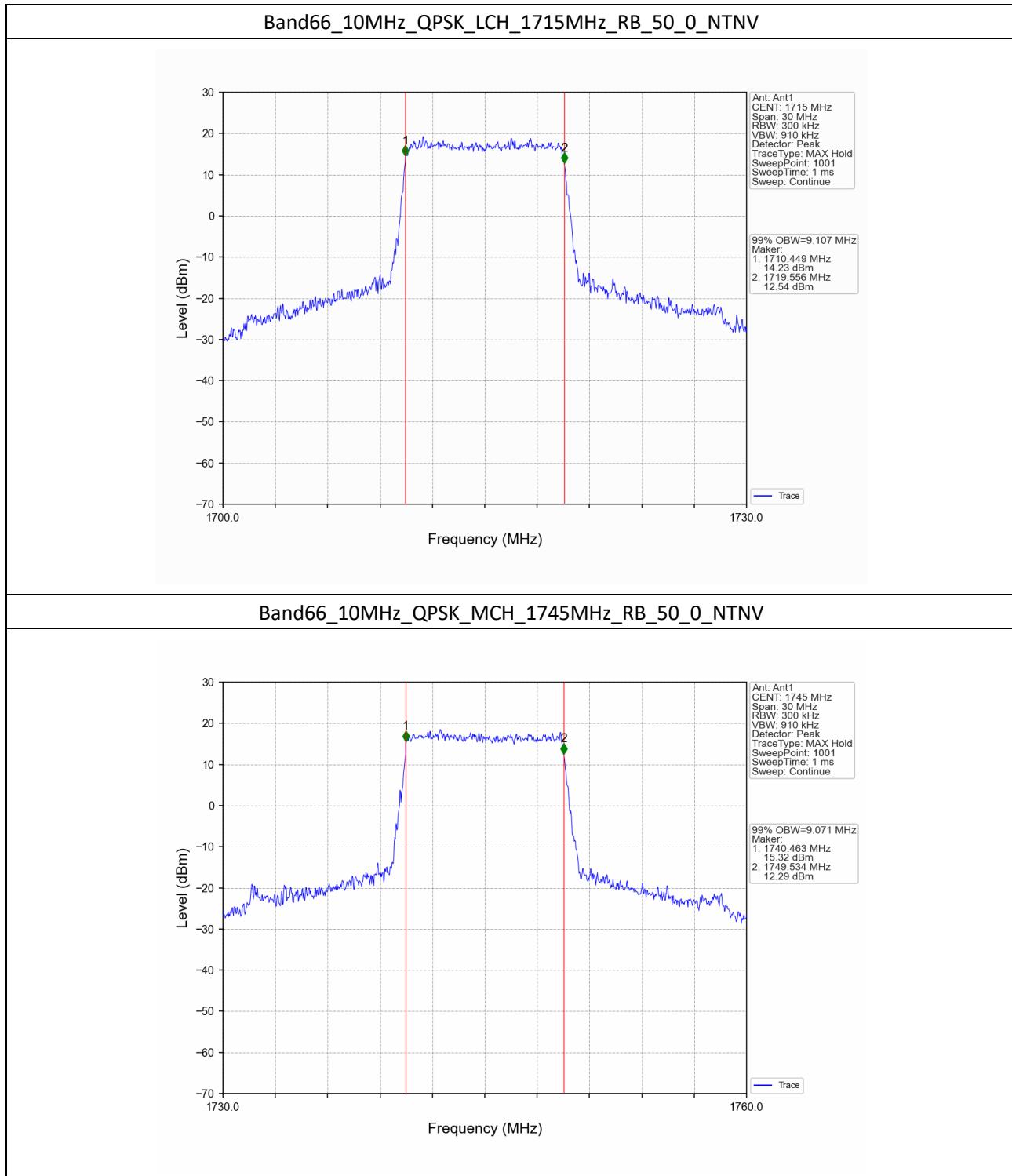
## Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



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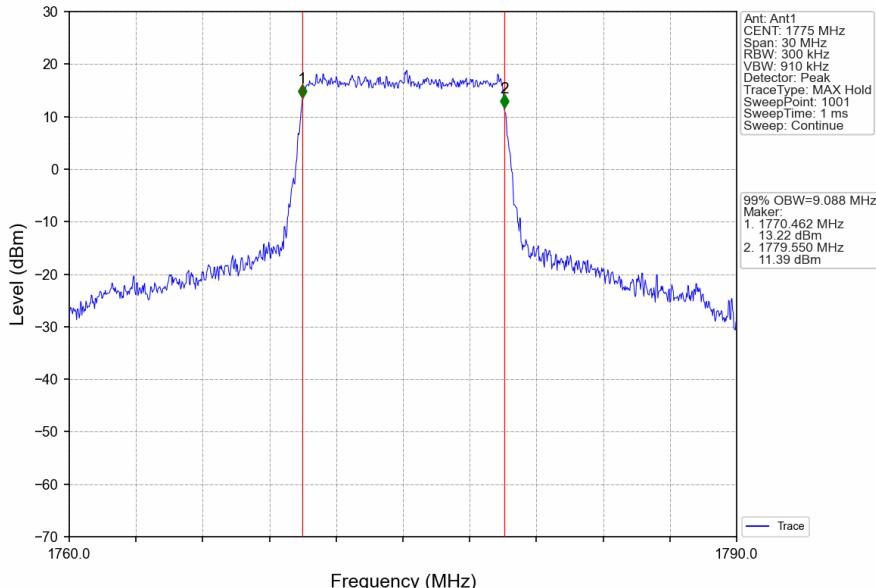


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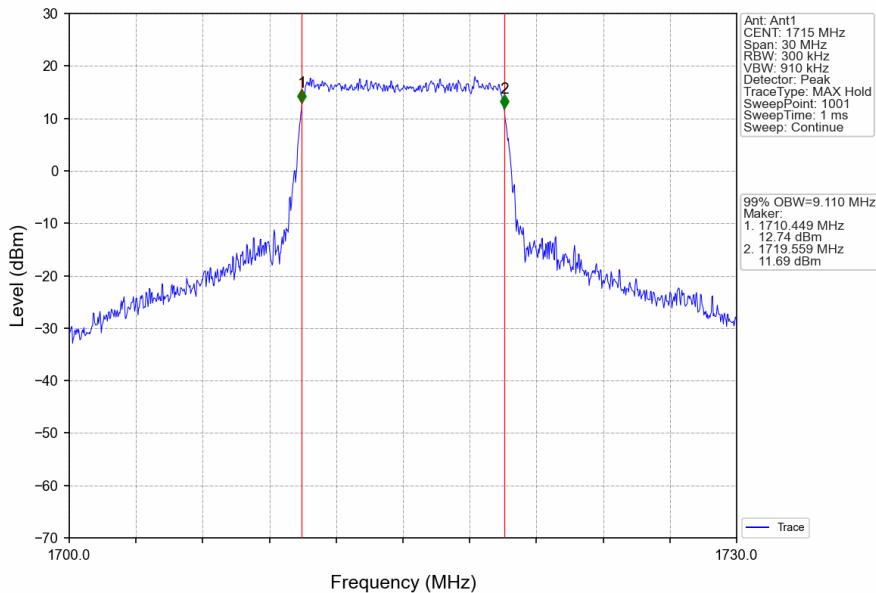
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## Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



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

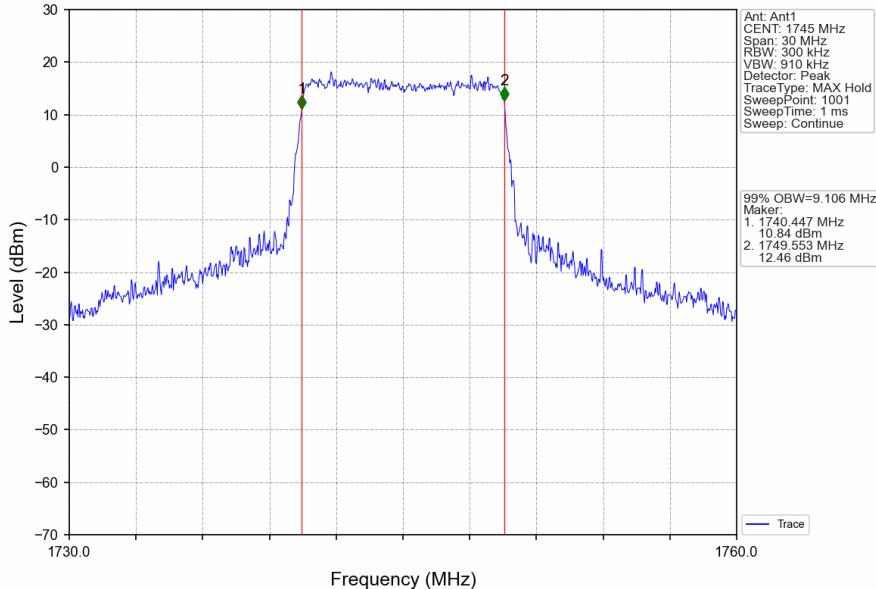


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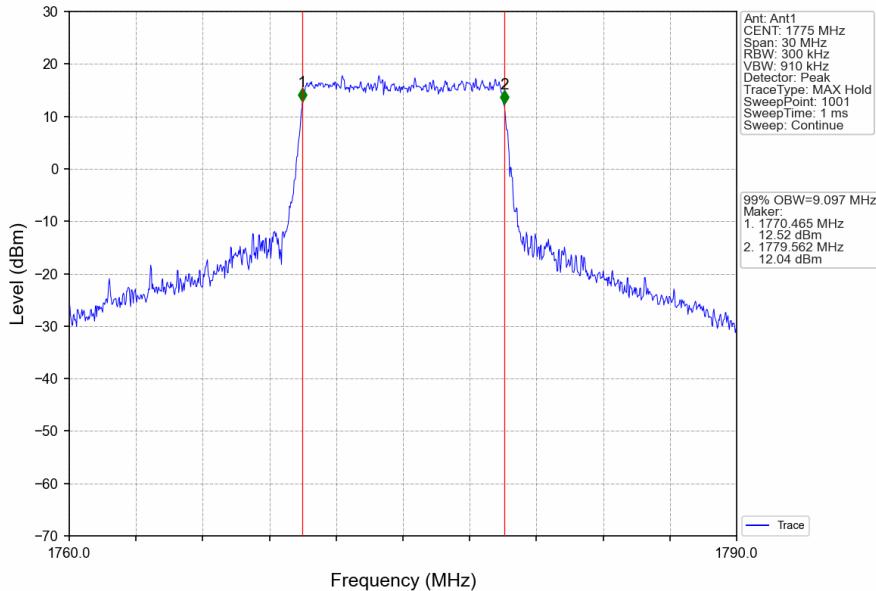
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## Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV



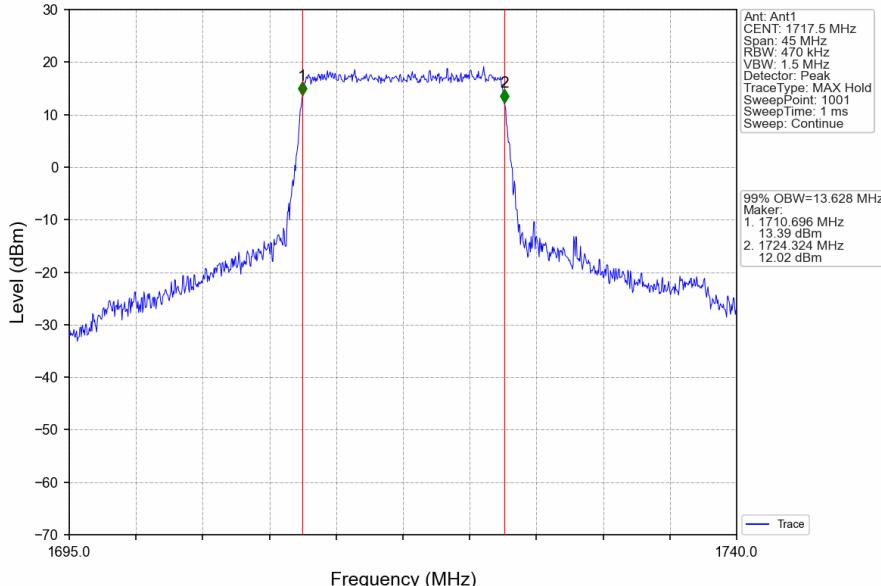
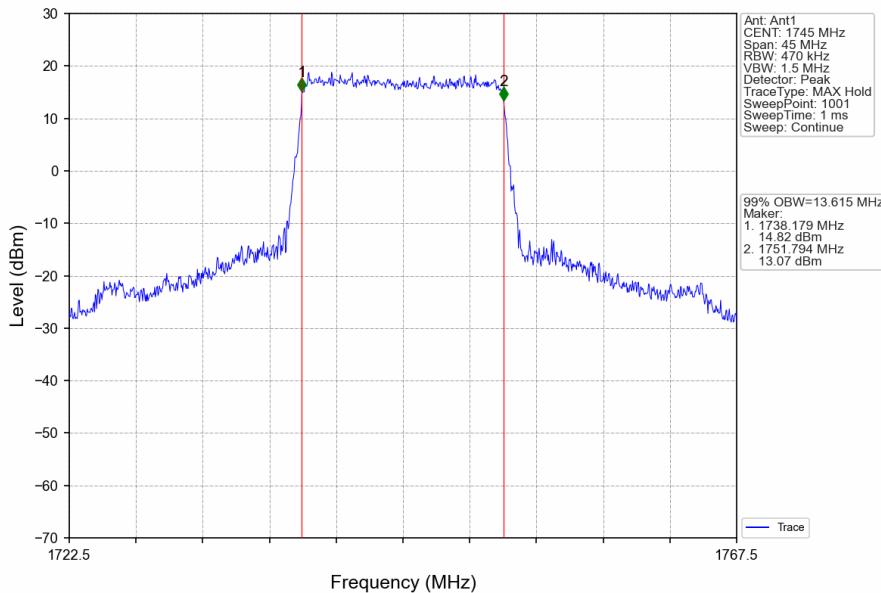
## Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV



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**Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV****Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV**

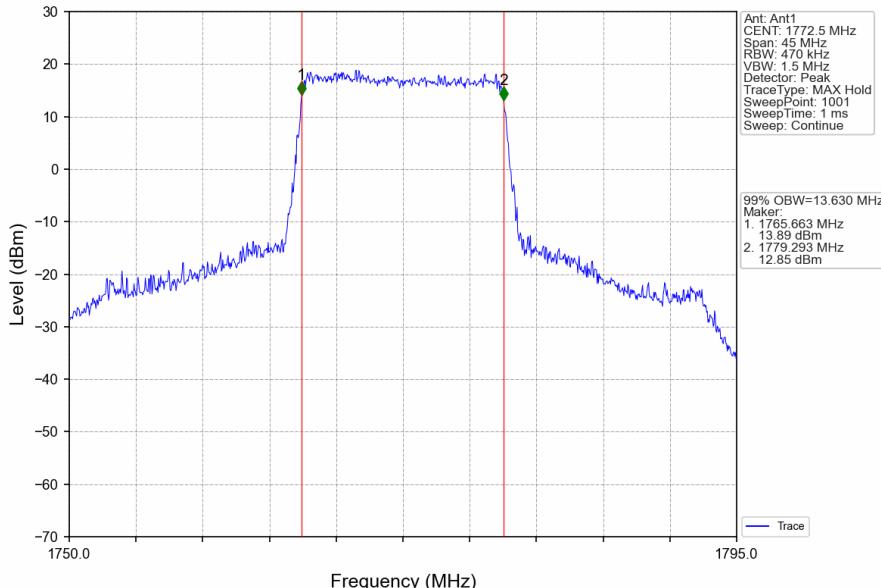
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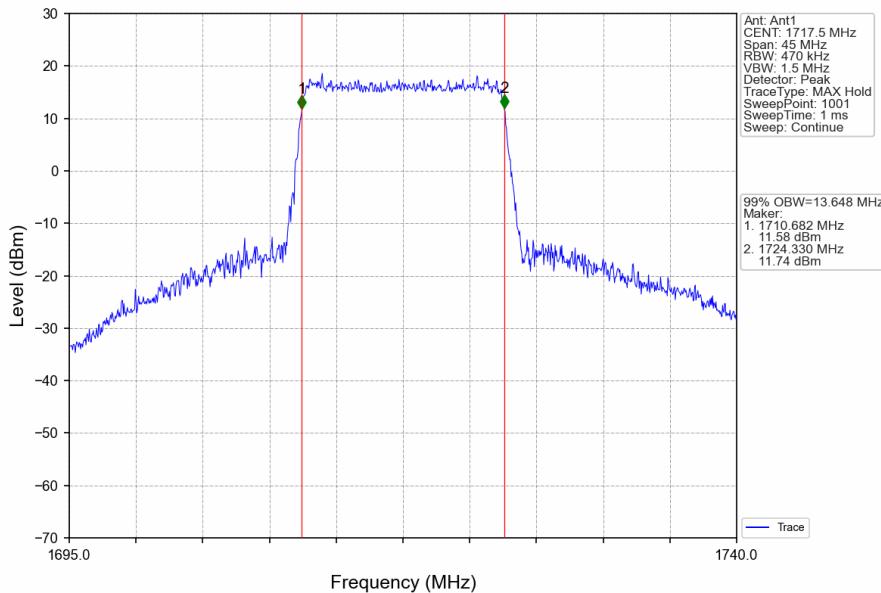
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## Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



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



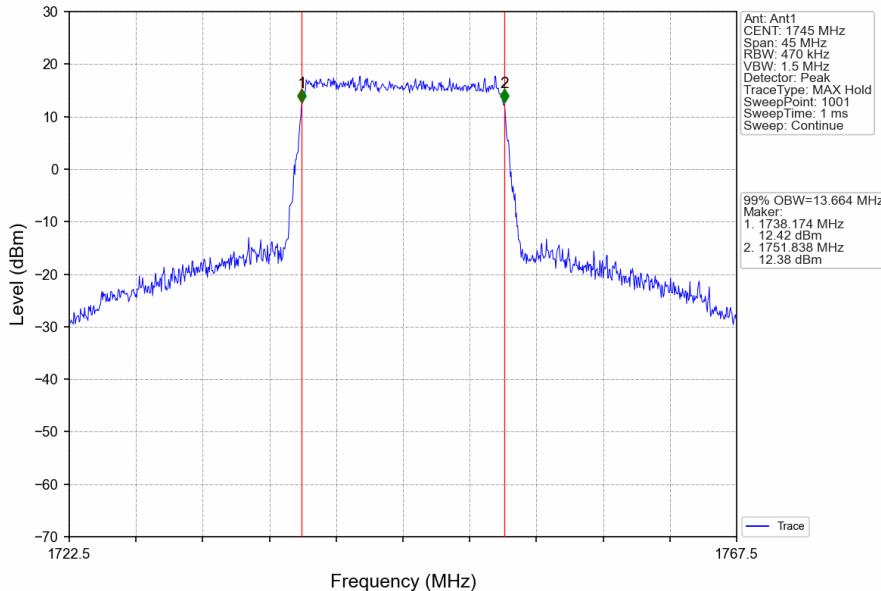
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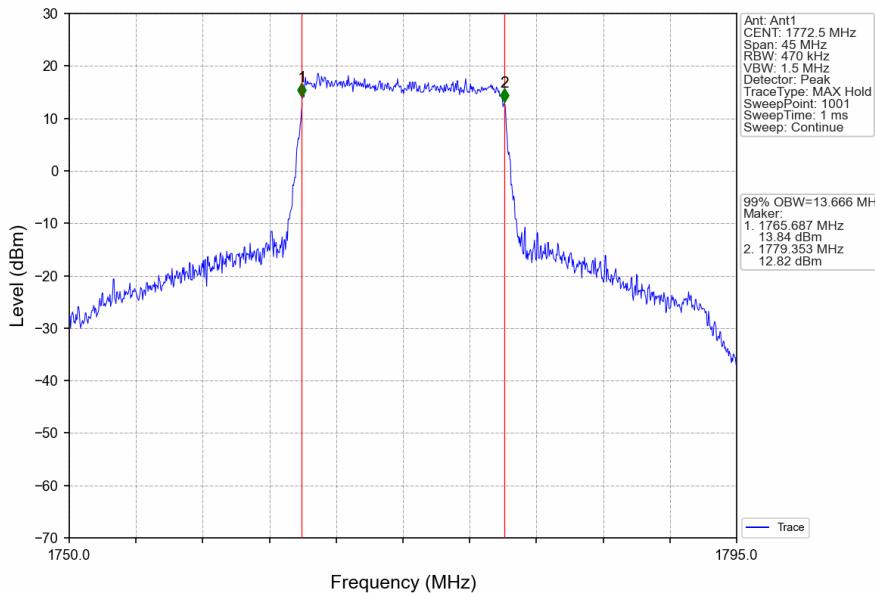


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## Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV



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

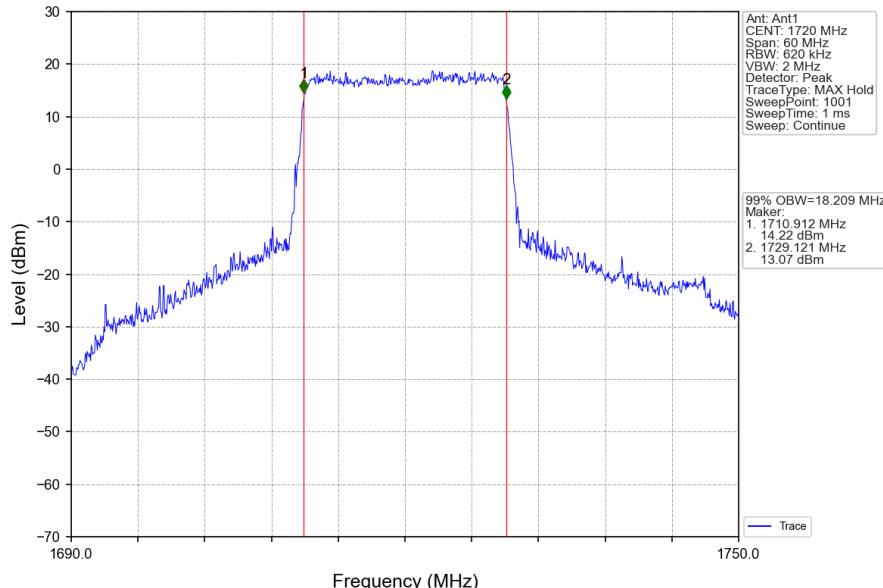


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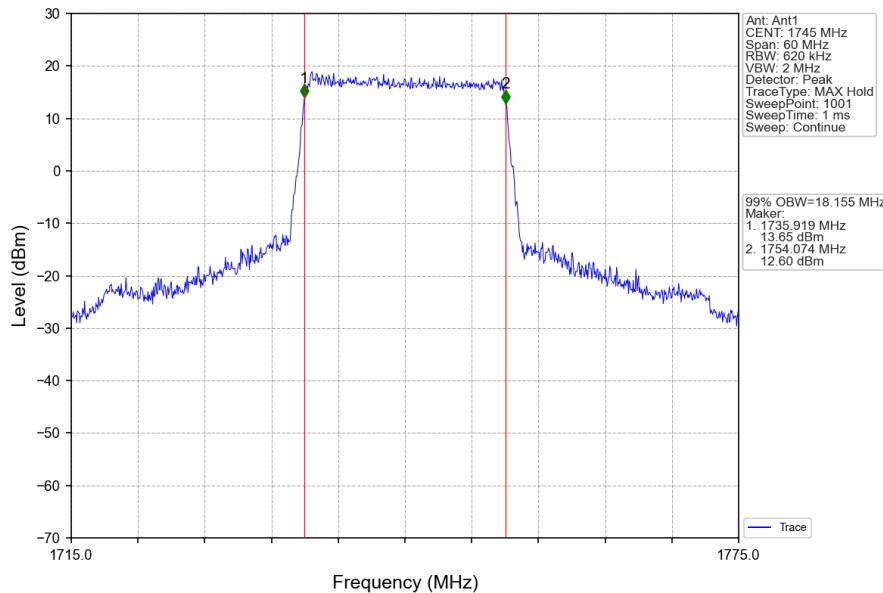
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## Band66\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



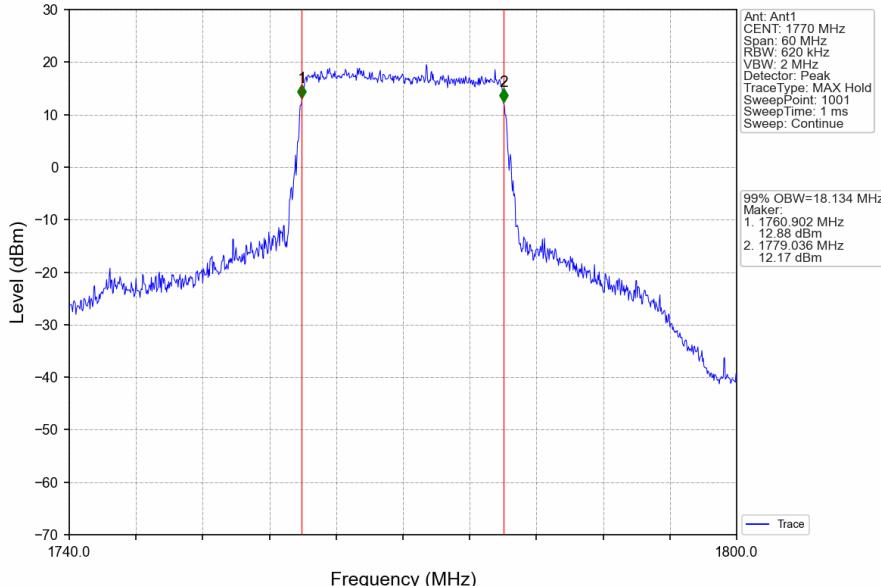
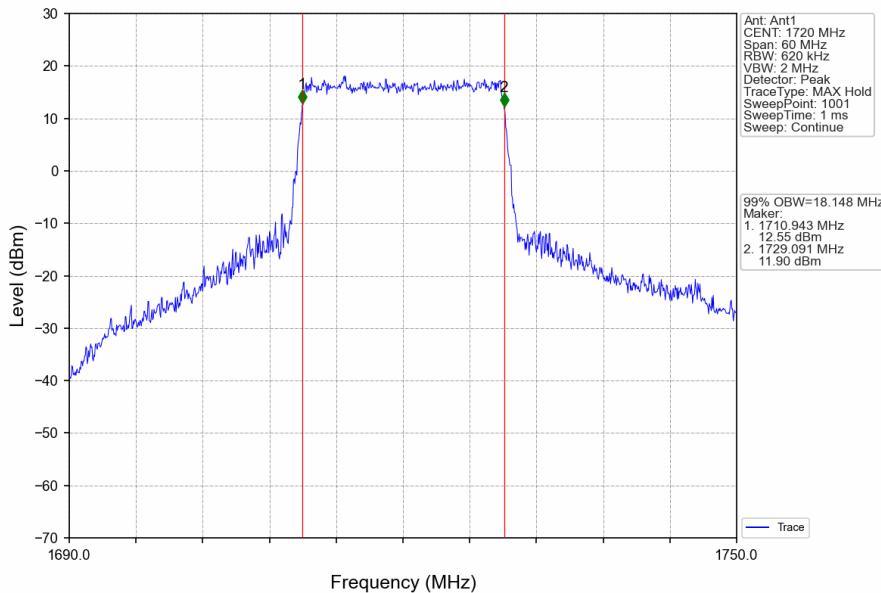
## Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_100\_0\_NTNV



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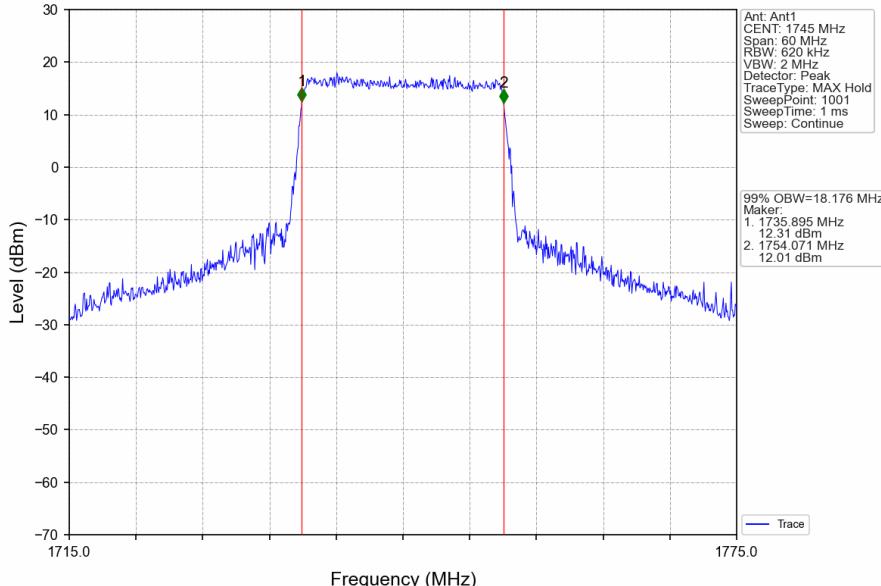
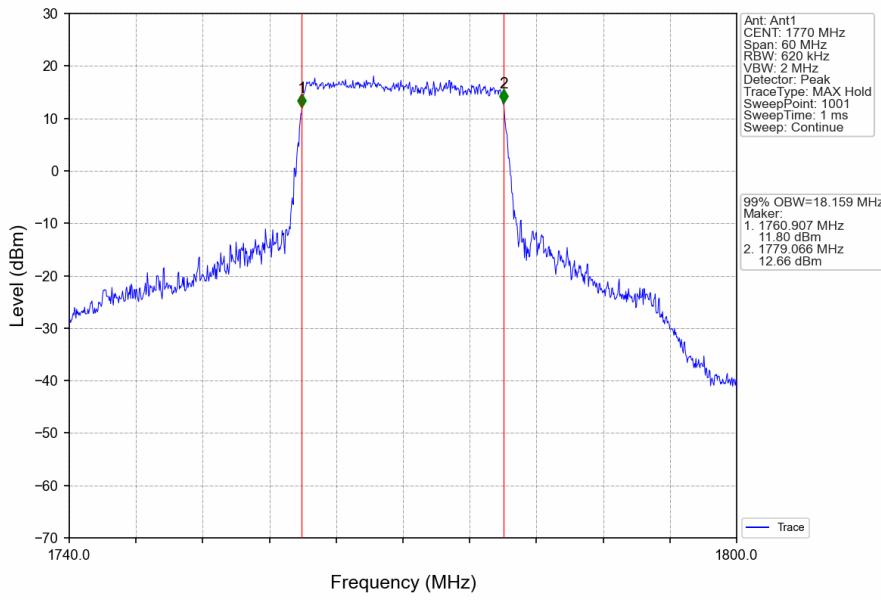
**Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV****Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV**

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**Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV****Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV**

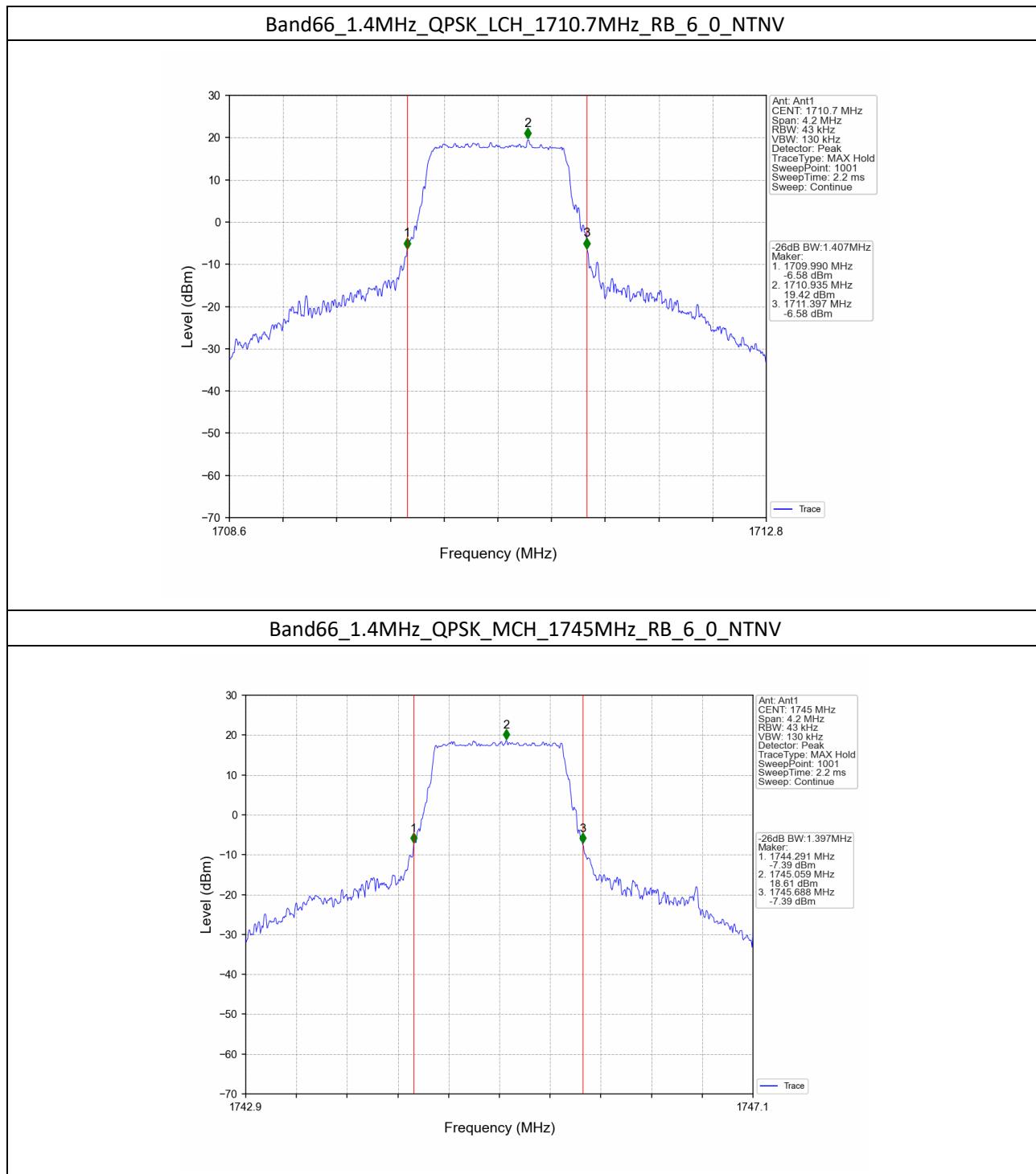
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## 3.2.2 Band66\_XDB

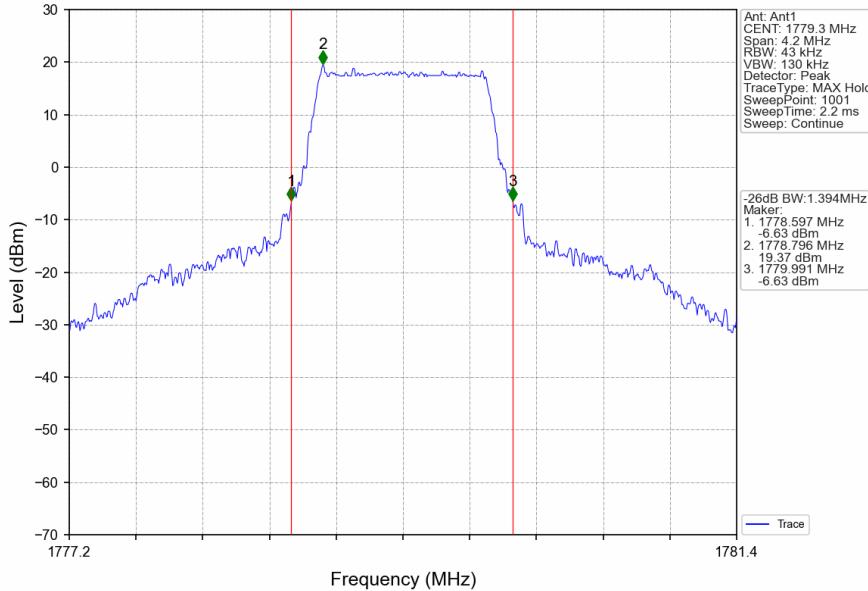


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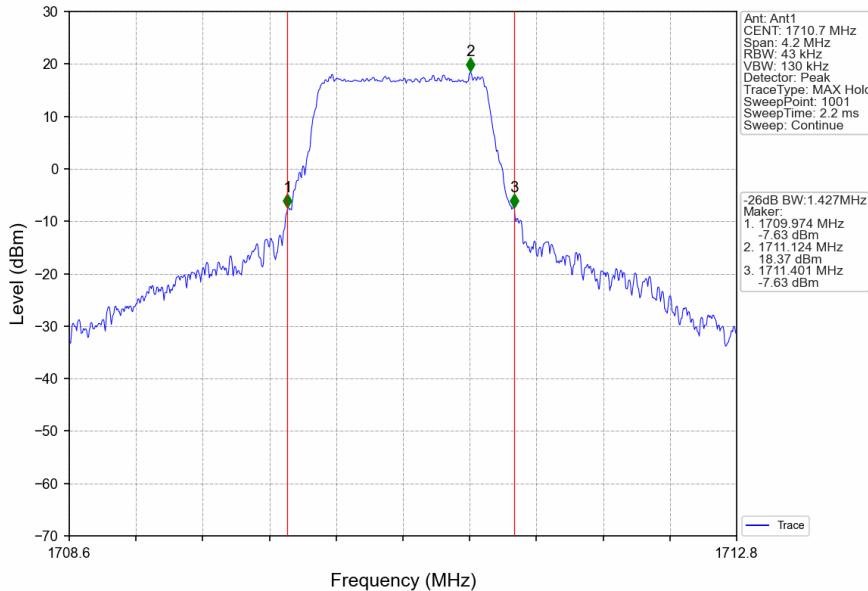
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## Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



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

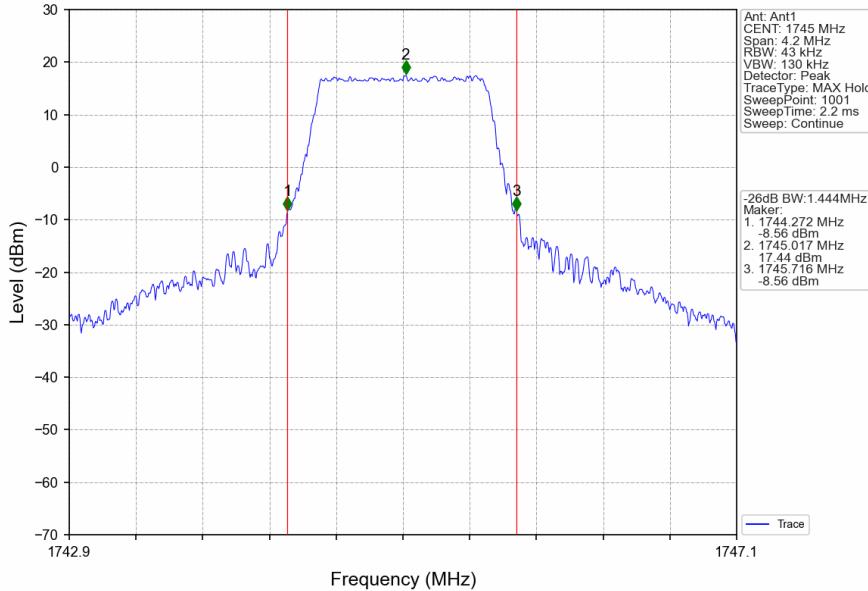


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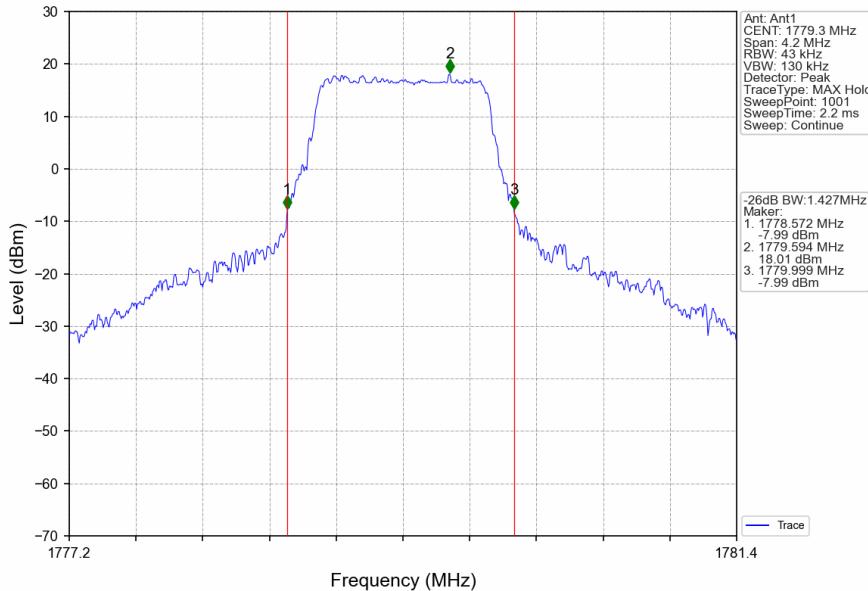
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## Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



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

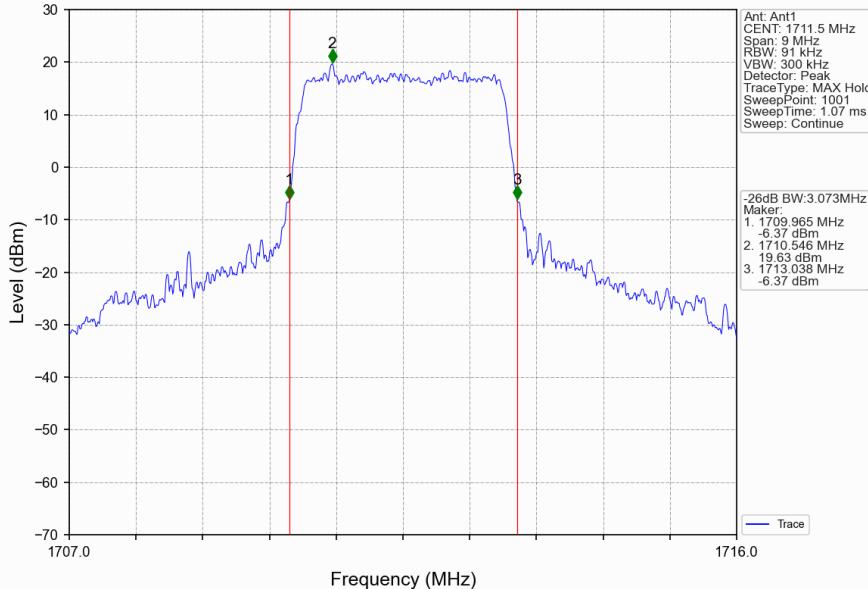


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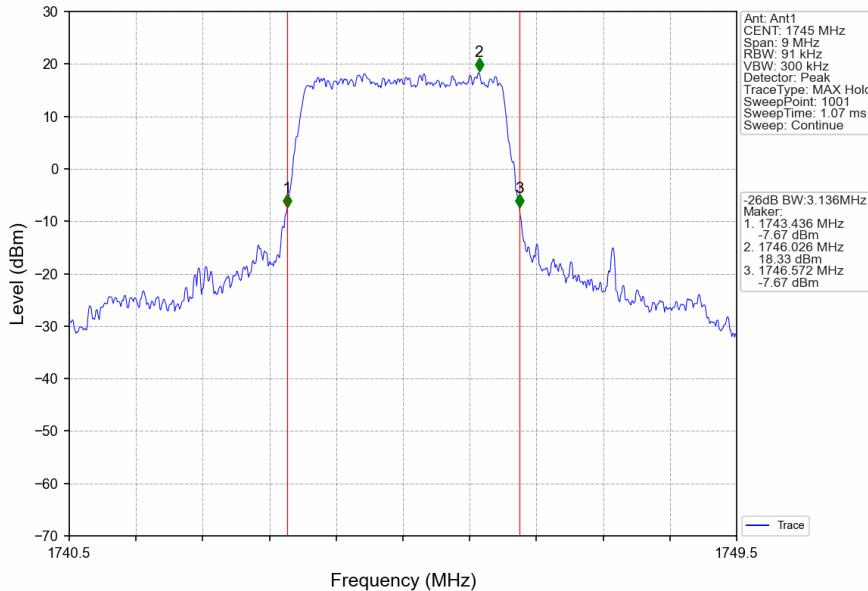
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## Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



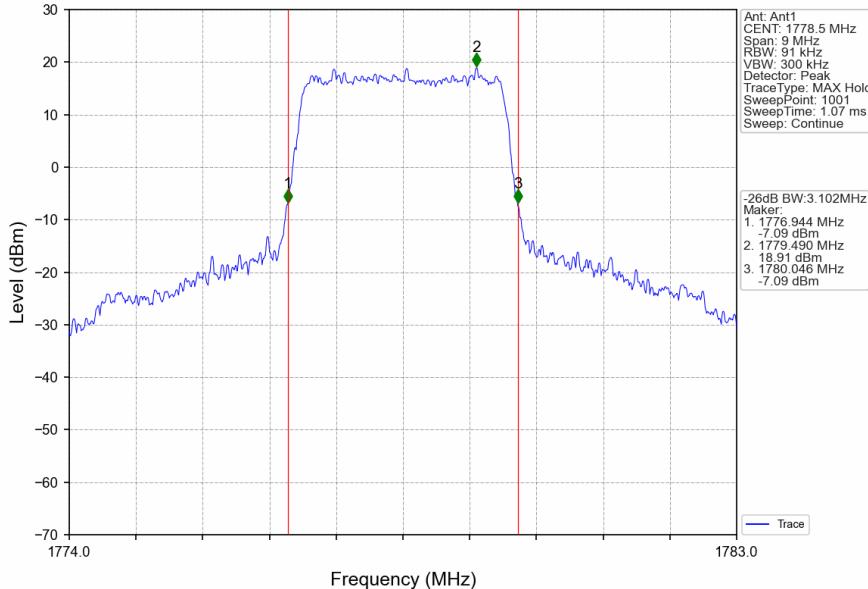
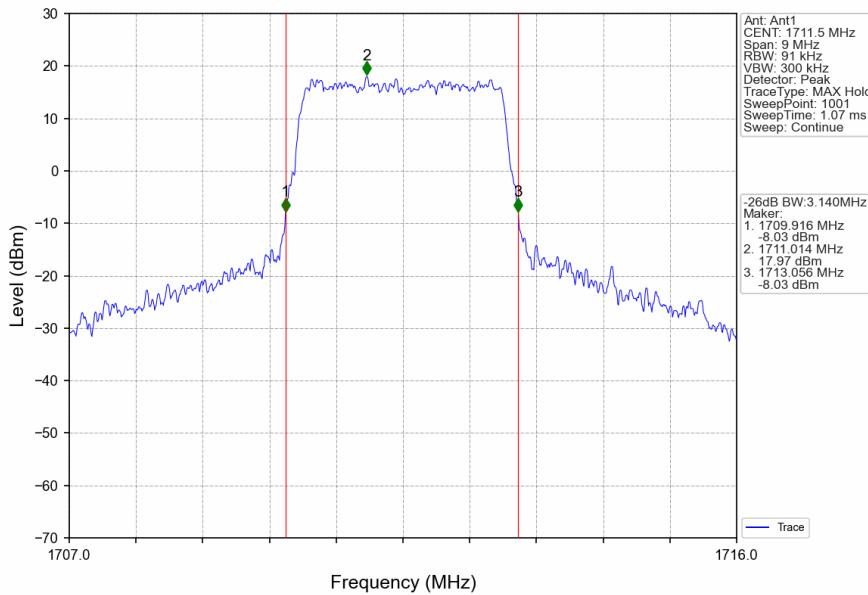
## Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



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**Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV****Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV**

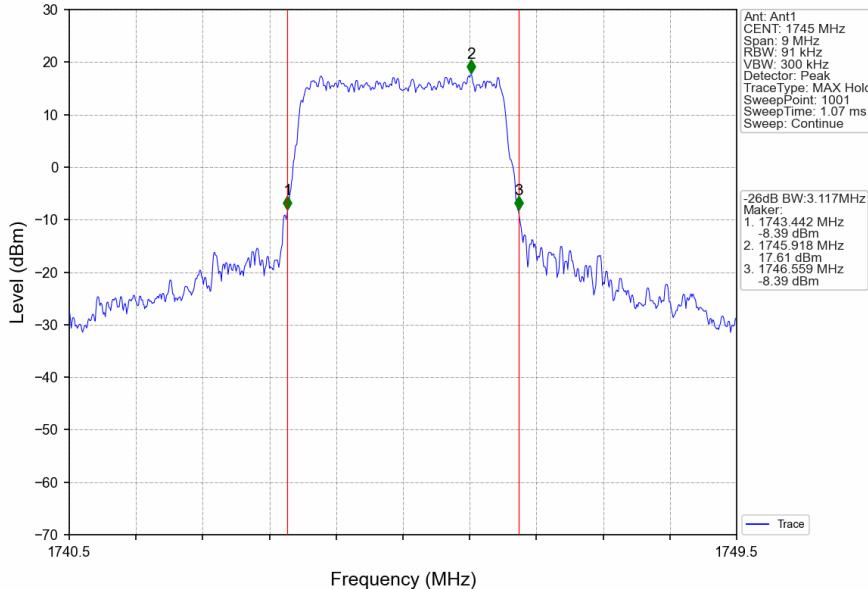
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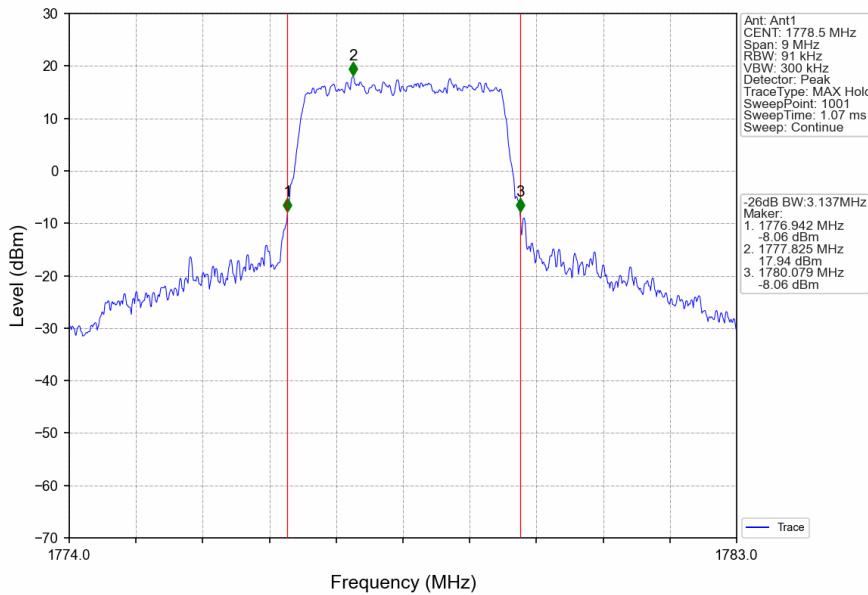
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## Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



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



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