



1. Effective (Isotropic) Radiated Power Output Data

1.1 B66_1.4MHz_EIRP

1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	19.00	0.51	19.51	<=30	Pass		
			2	19.11	0.51	19.62	<=30	Pass		
			5	18.95	0.51	19.46	<=30	Pass		
		3	0	19.00	0.51	19.51	<=30	Pass		
			2	19.01	0.51	19.52	<=30	Pass		
			3	18.98	0.51	19.49	<=30	Pass		
		6	0	18.04	0.51	18.55	<=30	Pass		
		1745	1	0	17.87	0.51	18.38	<=30	Pass	
				2	17.98	0.51	18.49	<=30	Pass	
	5			17.77	0.51	18.28	<=30	Pass		
	3		0	17.91	0.51	18.42	<=30	Pass		
			2	17.96	0.51	18.47	<=30	Pass		
			3	17.93	0.51	18.44	<=30	Pass		
	6		0	16.93	0.51	17.44	<=30	Pass		
	1779.3		1	0	17.61	0.51	18.12	<=30	Pass	
				2	17.78	0.51	18.29	<=30	Pass	
		5		17.60	0.51	18.11	<=30	Pass		
		3	0	17.72	0.51	18.23	<=30	Pass		
			2	17.73	0.51	18.24	<=30	Pass		
			3	17.71	0.51	18.22	<=30	Pass		
		6	0	16.68	0.51	17.19	<=30	Pass		
		16QAM	1710.7	1	0	18.04	0.51	18.55	<=30	Pass
					2	18.21	0.51	18.72	<=30	Pass
	5				18.01	0.51	18.52	<=30	Pass	
	3			0	17.89	0.51	18.40	<=30	Pass	
				2	17.87	0.51	18.38	<=30	Pass	
				3	17.84	0.51	18.35	<=30	Pass	
6	0			17.01	0.51	17.52	<=30	Pass		
1745	1			0	16.97	0.51	17.48	<=30	Pass	
				2	17.12	0.51	17.63	<=30	Pass	
			5	16.89	0.51	17.40	<=30	Pass		
	3		0	16.82	0.51	17.33	<=30	Pass		
			2	16.86	0.51	17.37	<=30	Pass		
			3	16.80	0.51	17.31	<=30	Pass		
	6		0	15.81	0.51	16.32	<=30	Pass		
	1779.3		1	0	16.56	0.51	17.07	<=30	Pass	
				2	16.73	0.51	17.24	<=30	Pass	
5				16.50	0.51	17.01	<=30	Pass		
3			0	16.56	0.51	17.07	<=30	Pass		
			2	16.55	0.51	17.06	<=30	Pass		
			3	16.51	0.51	17.02	<=30	Pass		
6			0	15.71	0.51	16.22	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	19.09	0.51	19.60	<=30	Pass		
			7	19.25	0.51	19.76	<=30	Pass		
			14	18.98	0.51	19.49	<=30	Pass		
		8	0	18.08	0.51	18.59	<=30	Pass		
			4	18.11	0.51	18.62	<=30	Pass		
			7	18.06	0.51	18.57	<=30	Pass		
		15	0	18.02	0.51	18.53	<=30	Pass		
		1745	1	0	18.08	0.51	18.59	<=30	Pass	
				7	18.19	0.51	18.70	<=30	Pass	
	14			17.91	0.51	18.42	<=30	Pass		
	8		0	17.10	0.51	17.61	<=30	Pass		
			4	17.04	0.51	17.55	<=30	Pass		
			7	17.02	0.51	17.53	<=30	Pass		
	15		0	17.01	0.51	17.52	<=30	Pass		
	1778.5		1	0	17.71	0.51	18.22	<=30	Pass	
				7	17.76	0.51	18.27	<=30	Pass	
		14		17.69	0.51	18.20	<=30	Pass		
		8	0	16.79	0.51	17.30	<=30	Pass		
			4	16.84	0.51	17.35	<=30	Pass		
			7	16.76	0.51	17.27	<=30	Pass		
		15	0	16.75	0.51	17.26	<=30	Pass		
		16QAM	1711.5	1	0	18.19	0.51	18.70	<=30	Pass
					7	18.31	0.51	18.82	<=30	Pass
	14				18.03	0.51	18.54	<=30	Pass	
8	0			17.02	0.51	17.53	<=30	Pass		
	4			17.04	0.51	17.55	<=30	Pass		
	7			16.99	0.51	17.50	<=30	Pass		
15	0			16.91	0.51	17.42	<=30	Pass		
1745	1			0	16.98	0.51	17.49	<=30	Pass	
				7	17.04	0.51	17.55	<=30	Pass	
			14	16.82	0.51	17.33	<=30	Pass		
	8		0	16.05	0.51	16.56	<=30	Pass		
			4	16.04	0.51	16.55	<=30	Pass		
			7	16.02	0.51	16.53	<=30	Pass		
	15		0	15.94	0.51	16.45	<=30	Pass		
	1778.5		1	0	16.96	0.51	17.47	<=30	Pass	
				7	17.17	0.51	17.68	<=30	Pass	
14				16.88	0.51	17.39	<=30	Pass		
8			0	15.89	0.51	16.40	<=30	Pass		
			4	15.90	0.51	16.41	<=30	Pass		
			7	15.85	0.51	16.36	<=30	Pass		
15			0	15.80	0.51	16.31	<=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	19.04	0.51	19.55	<=30	Pass		
			13	18.96	0.51	19.47	<=30	Pass		
			24	18.74	0.51	19.25	<=30	Pass		
		12	0	17.91	0.51	18.42	<=30	Pass		
			6	17.96	0.51	18.47	<=30	Pass		
			13	17.88	0.51	18.39	<=30	Pass		
		25	0	17.88	0.51	18.39	<=30	Pass		
		1745	1	0	18.02	0.51	18.53	<=30	Pass	
				13	18.01	0.51	18.52	<=30	Pass	
	24			17.72	0.51	18.23	<=30	Pass		
	12		0	16.97	0.51	17.48	<=30	Pass		
			6	16.95	0.51	17.46	<=30	Pass		
			13	16.82	0.51	17.33	<=30	Pass		
	25		0	16.93	0.51	17.44	<=30	Pass		
	1777.5		1	0	17.64	0.51	18.15	<=30	Pass	
				13	17.76	0.51	18.27	<=30	Pass	
		24		17.60	0.51	18.11	<=30	Pass		
		12	0	16.75	0.51	17.26	<=30	Pass		
			6	16.79	0.51	17.30	<=30	Pass		
			13	16.66	0.51	17.17	<=30	Pass		
		25	0	16.71	0.51	17.22	<=30	Pass		
		16QAM	1712.5	1	0	18.06	0.51	18.57	<=30	Pass
					13	18.04	0.51	18.55	<=30	Pass
	24				17.87	0.51	18.38	<=30	Pass	
12	0			16.87	0.51	17.38	<=30	Pass		
	6			16.94	0.51	17.45	<=30	Pass		
	13			16.87	0.51	17.38	<=30	Pass		
25	0			16.82	0.51	17.33	<=30	Pass		
1745	1			0	17.12	0.51	17.63	<=30	Pass	
				13	17.06	0.51	17.57	<=30	Pass	
			24	16.79	0.51	17.30	<=30	Pass		
	12		0	15.95	0.51	16.46	<=30	Pass		
			6	15.95	0.51	16.46	<=30	Pass		
			13	15.85	0.51	16.36	<=30	Pass		
	25		0	15.99	0.51	16.50	<=30	Pass		
	1777.5		1	0	16.70	0.51	17.21	<=30	Pass	
				13	16.82	0.51	17.33	<=30	Pass	
24				16.71	0.51	17.22	<=30	Pass		
12			0	15.76	0.51	16.27	<=30	Pass		
			6	15.78	0.51	16.29	<=30	Pass		
			13	15.68	0.51	16.19	<=30	Pass		
25			0	15.76	0.51	16.27	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



1.4 B66_10MHz_EIRP

1.4.1 Test Result

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	19.20	0.51	19.71	<=30	Pass		
			25	18.87	0.51	19.38	<=30	Pass		
			49	18.47	0.51	18.98	<=30	Pass		
		25	0	17.74	0.51	18.25	<=30	Pass		
			13	17.81	0.51	18.32	<=30	Pass		
			25	17.67	0.51	18.18	<=30	Pass		
		50	0	17.68	0.51	18.19	<=30	Pass		
		1745	1	0	18.16	0.51	18.67	<=30	Pass	
				25	18.02	0.51	18.53	<=30	Pass	
	49			17.58	0.51	18.09	<=30	Pass		
	25		0	17.13	0.51	17.64	<=30	Pass		
			13	16.99	0.51	17.50	<=30	Pass		
			25	16.82	0.51	17.33	<=30	Pass		
	50		0	16.93	0.51	17.44	<=30	Pass		
	1775		1	0	17.55	0.51	18.06	<=30	Pass	
				25	17.84	0.51	18.35	<=30	Pass	
		49		17.61	0.51	18.12	<=30	Pass		
		25	0	16.79	0.51	17.30	<=30	Pass		
			13	16.83	0.51	17.34	<=30	Pass		
			25	16.76	0.51	17.27	<=30	Pass		
		50	0	16.77	0.51	17.28	<=30	Pass		
		16QAM	1715	1	0	18.00	0.51	18.51	<=30	Pass
					25	17.96	0.51	18.47	<=30	Pass
	49				17.65	0.51	18.16	<=30	Pass	
25	0			16.71	0.51	17.22	<=30	Pass		
	13			16.79	0.51	17.30	<=30	Pass		
	25			16.66	0.51	17.17	<=30	Pass		
50	0			16.63	0.51	17.14	<=30	Pass		
1745	1			0	17.03	0.51	17.54	<=30	Pass	
				25	16.97	0.51	17.48	<=30	Pass	
			49	16.47	0.51	16.98	<=30	Pass		
	25		0	16.13	0.51	16.64	<=30	Pass		
			13	16.03	0.51	16.54	<=30	Pass		
			25	15.86	0.51	16.37	<=30	Pass		
	50		0	15.98	0.51	16.49	<=30	Pass		
	1775		1	0	16.70	0.51	17.21	<=30	Pass	
				25	17.01	0.51	17.52	<=30	Pass	
49				16.85	0.51	17.36	<=30	Pass		
25			0	15.80	0.51	16.31	<=30	Pass		
			13	15.84	0.51	16.35	<=30	Pass		
			25	15.80	0.51	16.31	<=30	Pass		
50			0	15.81	0.51	16.32	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



1.5 B66_15MHz_EIRP

1.5.1 Test Result

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	19.29	0.51	19.80	<=30	Pass		
			38	18.63	0.51	19.14	<=30	Pass		
			74	18.18	0.51	18.69	<=30	Pass		
		36	0	17.78	0.51	18.29	<=30	Pass		
			18	17.72	0.51	18.23	<=30	Pass		
			39	17.48	0.51	17.99	<=30	Pass		
		75	0	17.61	0.51	18.12	<=30	Pass		
		1745	1	0	18.17	0.51	18.68	<=30	Pass	
				38	17.91	0.51	18.42	<=30	Pass	
	74			17.35	0.51	17.86	<=30	Pass		
	36		0	17.20	0.51	17.71	<=30	Pass		
			18	17.03	0.51	17.54	<=30	Pass		
			39	16.80	0.51	17.31	<=30	Pass		
	75		0	17.02	0.51	17.53	<=30	Pass		
	1772.5		1	0	17.27	0.51	17.78	<=30	Pass	
				38	17.72	0.51	18.23	<=30	Pass	
		74		17.50	0.51	18.01	<=30	Pass		
		36	0	16.77	0.51	17.28	<=30	Pass		
			18	16.89	0.51	17.40	<=30	Pass		
			39	16.83	0.51	17.34	<=30	Pass		
		75	0	16.77	0.51	17.28	<=30	Pass		
		16QAM	1717.5	1	0	17.98	0.51	18.49	<=30	Pass
					38	17.86	0.51	18.37	<=30	Pass
	74				17.51	0.51	18.02	<=30	Pass	
36	0			16.73	0.51	17.24	<=30	Pass		
	18			16.70	0.51	17.21	<=30	Pass		
	39			16.47	0.51	16.98	<=30	Pass		
75	0			16.57	0.51	17.08	<=30	Pass		
1745	1			0	17.03	0.51	17.54	<=30	Pass	
				38	16.83	0.51	17.34	<=30	Pass	
			74	16.19	0.51	16.70	<=30	Pass		
	36		0	16.11	0.51	16.62	<=30	Pass		
			18	15.95	0.51	16.46	<=30	Pass		
			39	15.71	0.51	16.22	<=30	Pass		
	75		0	15.99	0.51	16.50	<=30	Pass		
	1772.5		1	0	16.33	0.51	16.84	<=30	Pass	
				38	16.87	0.51	17.38	<=30	Pass	
74				16.74	0.51	17.25	<=30	Pass		
36			0	15.63	0.51	16.14	<=30	Pass		
			18	15.80	0.51	16.31	<=30	Pass		
			39	15.74	0.51	16.25	<=30	Pass		
75			0	15.70	0.51	16.21	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



1.6 B66_20MHz_EIRP

1.6.1 Test Result

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	19.21	0.51	19.72	<=30	Pass		
			50	18.68	0.51	19.19	<=30	Pass		
			99	18.12	0.51	18.63	<=30	Pass		
		50	0	17.63	0.51	18.14	<=30	Pass		
			25	17.56	0.51	18.07	<=30	Pass		
			50	17.28	0.51	17.79	<=30	Pass		
		100	0	17.50	0.51	18.01	<=30	Pass		
		1745	1	0	17.94	0.51	18.45	<=30	Pass	
				50	17.87	0.51	18.38	<=30	Pass	
	99			16.97	0.51	17.48	<=30	Pass		
	50		0	17.26	0.51	17.77	<=30	Pass		
			25	16.95	0.51	17.46	<=30	Pass		
			50	16.63	0.51	17.14	<=30	Pass		
	100		0	16.96	0.51	17.47	<=30	Pass		
	1770		1	0	17.04	0.51	17.55	<=30	Pass	
				50	17.81	0.51	18.32	<=30	Pass	
		99		17.49	0.51	18.00	<=30	Pass		
		50	0	16.39	0.51	16.90	<=30	Pass		
			25	16.62	0.51	17.13	<=30	Pass		
			50	16.67	0.51	17.18	<=30	Pass		
		100	0	16.52	0.51	17.03	<=30	Pass		
		16QAM	1720	1	0	17.70	0.51	18.21	<=30	Pass
					50	17.73	0.51	18.24	<=30	Pass
	99				17.32	0.51	17.83	<=30	Pass	
50	0			16.63	0.51	17.14	<=30	Pass		
	25			16.57	0.51	17.08	<=30	Pass		
	50			16.33	0.51	16.84	<=30	Pass		
100	0			16.47	0.51	16.98	<=30	Pass		
1745	1			0	17.11	0.51	17.62	<=30	Pass	
				50	17.03	0.51	17.54	<=30	Pass	
			99	16.03	0.51	16.54	<=30	Pass		
	50		0	16.31	0.51	16.82	<=30	Pass		
			25	16.01	0.51	16.52	<=30	Pass		
			50	15.67	0.51	16.18	<=30	Pass		
	100		0	15.98	0.51	16.49	<=30	Pass		
	1770		1	0	16.01	0.51	16.52	<=30	Pass	
				50	16.84	0.51	17.35	<=30	Pass	
99				16.60	0.51	17.11	<=30	Pass		
50			0	15.36	0.51	15.87	<=30	Pass		
			25	15.60	0.51	16.11	<=30	Pass		
			50	15.68	0.51	16.19	<=30	Pass		
100			0	15.53	0.51	16.04	<=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	-5.937	-0.0035	-2.5 to 2.5	Pass	
					3.85	-2.031	-0.0012	-2.5 to 2.5	Pass	
					4.43	-7.882	-0.0046	-2.5 to 2.5	Pass	
				-30	3.85	-8.268	-0.0048	-2.5 to 2.5	Pass	
					-20	3.85	1.001	0.0006	-2.5 to 2.5	Pass
						-10	3.85	2.618	0.0015	-2.5 to 2.5
				0	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass	
					10	3.85	-13.118	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-14.448	-0.0084	-2.5 to 2.5	Pass	
				40	3.85	-13.118	-0.0077	-2.5 to 2.5	Pass	
	50	3.85	3.648	0.0021	-2.5 to 2.5	Pass				
	1745	6	0	20	3.27	-10.228	-0.0059	-2.5 to 2.5	Pass	
					3.85	1.988	0.0011	-2.5 to 2.5	Pass	
					4.43	-6.237	-0.0036	-2.5 to 2.5	Pass	
				-30	3.85	-10.114	-0.0058	-2.5 to 2.5	Pass	
					-20	3.85	-12.403	-0.0071	-2.5 to 2.5	Pass
						-10	3.85	-9.928	-0.0057	-2.5 to 2.5
				0	3.85	-20.685	-0.0119	-2.5 to 2.5	Pass	
					10	3.85	-10.700	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass	
				40	3.85	-13.447	-0.0077	-2.5 to 2.5	Pass	
	50	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass				
	1779.3	6	0	20	3.27	-0.372	-0.0002	-2.5 to 2.5	Pass	
					3.85	-12.889	-0.0072	-2.5 to 2.5	Pass	
					4.43	-2.518	-0.0014	-2.5 to 2.5	Pass	
				-30	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass	
					-20	3.85	-13.776	-0.0077	-2.5 to 2.5	Pass
						-10	3.85	0.129	0.0001	-2.5 to 2.5
				0	3.85	2.317	0.0013	-2.5 to 2.5	Pass	
					10	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
30				3.85	-1.044	-0.0006	-2.5 to 2.5	Pass		
40				3.85	-1.273	-0.0007	-2.5 to 2.5	Pass		
50	3.85	-7.367	-0.0041	-2.5 to 2.5	Pass					
16QAM	1710.7	6	0	20	3.27	-9.727	-0.0057	-2.5 to 2.5	Pass	
					3.85	-0.572	-0.0003	-2.5 to 2.5	Pass	
					4.43	-0.372	-0.0002	-2.5 to 2.5	Pass	
				-30	3.85	0.315	0.0002	-2.5 to 2.5	Pass	
					-20	3.85	2.232	0.0013	-2.5 to 2.5	Pass
						-10	3.85	4.363	0.0026	-2.5 to 2.5
				0	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass	
					10	3.85	-8.969	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-14.606	-0.0085	-2.5 to 2.5	Pass	
				40	3.85	1.574	0.0009	-2.5 to 2.5	Pass	
50	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass					

	1745	6	0	20	3.27	-1.645	-0.0009	-2.5 to 2.5	Pass	
					3.85	-13.804	-0.0079	-2.5 to 2.5	Pass	
					4.43	4.721	0.0027	-2.5 to 2.5	Pass	
				-30	3.85	-16.580	-0.0095	-2.5 to 2.5	Pass	
					-20	3.85	2.604	0.0015	-2.5 to 2.5	Pass
						-10	3.85	-16.994	-0.0097	-2.5 to 2.5
				0	3.85	-16.809	-0.0096	-2.5 to 2.5	Pass	
					10	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
					30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-0.072	0.0000	-2.5 to 2.5	Pass	
					3.85	-19.412	-0.0109	-2.5 to 2.5	Pass	
					4.43	-14.277	-0.0080	-2.5 to 2.5	Pass	
				-30	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass	
					-20	3.85	-11.702	-0.0066	-2.5 to 2.5	Pass
						-10	3.85	-13.704	-0.0077	-2.5 to 2.5
				0	3.85	-16.623	-0.0093	-2.5 to 2.5	Pass	
					10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
					30	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
40	3.85	-20.471	-0.0115	-2.5 to 2.5	Pass					
	50	3.85	-12.531	-0.0070	-2.5 to 2.5	Pass				
		3.85	-12.531	-0.0070	-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	9.770	0.0057	-2.5 to 2.5	Pass			
					3.85	-6.809	-0.0040	-2.5 to 2.5	Pass			
					4.43	-4.950	-0.0029	-2.5 to 2.5	Pass			
				-30	3.85	0.358	0.0002	-2.5 to 2.5	Pass			
					-20	3.85	-4.034	-0.0024	-2.5 to 2.5	Pass		
						-10	3.85	0.229	0.0001	-2.5 to 2.5	Pass	
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass			
					10	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass		
					30	3.85	8.426	0.0049	-2.5 to 2.5	Pass		
				40	3.85	4.163	0.0024	-2.5 to 2.5	Pass			
					50	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass		
						3.85	-1.731	-0.0010	-2.5 to 2.5	Pass		
				1745	15	0	20	3.27	-8.426	-0.0048	-2.5 to 2.5	Pass
								3.85	-8.855	-0.0051	-2.5 to 2.5	Pass
								4.43	-10.471	-0.0060	-2.5 to 2.5	Pass
	-30	3.85	-7.095				-0.0041	-2.5 to 2.5	Pass			
		-20	3.85				-10.371	-0.0059	-2.5 to 2.5	Pass		
			-10				3.85	-6.423	-0.0037	-2.5 to 2.5	Pass	
	0	3.85	-14.248				-0.0082	-2.5 to 2.5	Pass			
		10	3.85				-1.159	-0.0007	-2.5 to 2.5	Pass		
		30	3.85				-9.027	-0.0052	-2.5 to 2.5	Pass		
	40	3.85	-13.275				-0.0076	-2.5 to 2.5	Pass			
		50	3.85				-15.950	-0.0091	-2.5 to 2.5	Pass		
			3.85				-15.950	-0.0091	-2.5 to 2.5	Pass		
	1778.5	15	0	20	3.27	-10.071	-0.0057	-2.5 to 2.5	Pass			



					3.85	-14.019	-0.0079	-2.5 to 2.5	Pass				
					4.43	-18.239	-0.0103	-2.5 to 2.5	Pass				
				-30	3.85	1.616	0.0009	-2.5 to 2.5	Pass				
				-20	3.85	-12.159	-0.0068	-2.5 to 2.5	Pass				
				-10	3.85	-11.716	-0.0066	-2.5 to 2.5	Pass				
				0	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass				
				10	3.85	-7.467	-0.0042	-2.5 to 2.5	Pass				
				30	3.85	-11.902	-0.0067	-2.5 to 2.5	Pass				
				40	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass				
				50	3.85	-15.450	-0.0087	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.27	-6.437	-0.0038	-2.5 to 2.5	Pass				
					3.85	-9.198	-0.0054	-2.5 to 2.5	Pass				
					4.43	-3.762	-0.0022	-2.5 to 2.5	Pass				
								-30	3.85	0.272	0.0002	-2.5 to 2.5	Pass
								-20	3.85	-0.772	-0.0005	-2.5 to 2.5	Pass
								-10	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
								0	3.85	-8.769	-0.0051	-2.5 to 2.5	Pass
								10	3.85	-8.411	-0.0049	-2.5 to 2.5	Pass
								30	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
					40	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass			
					50	3.85	-1.645	-0.0010	-2.5 to 2.5	Pass			
		1745	15	0	20	3.27	-1.659	-0.0010	-2.5 to 2.5	Pass			
	3.85					2.704	0.0015	-2.5 to 2.5	Pass				
	4.43					0.429	0.0002	-2.5 to 2.5	Pass				
								-30	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
								-20	3.85	-8.211	-0.0047	-2.5 to 2.5	Pass
								-10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
								0	3.85	2.990	0.0017	-2.5 to 2.5	Pass
								10	3.85	1.559	0.0009	-2.5 to 2.5	Pass
								30	3.85	-9.956	-0.0057	-2.5 to 2.5	Pass
					40	3.85	-12.217	-0.0070	-2.5 to 2.5	Pass			
					50	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass			
		1778.5	15	0	20	3.27	3.262	0.0018	-2.5 to 2.5	Pass			
	3.85					-9.098	-0.0051	-2.5 to 2.5	Pass				
4.43	-15.607					-0.0088	-2.5 to 2.5	Pass					
							-30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass	
							-20	3.85	3.247	0.0018	-2.5 to 2.5	Pass	
							-10	3.85	-15.721	-0.0088	-2.5 to 2.5	Pass	
							0	3.85	-3.819	-0.0021	-2.5 to 2.5	Pass	
							10	3.85	-8.297	-0.0047	-2.5 to 2.5	Pass	
							30	3.85	-6.166	-0.0035	-2.5 to 2.5	Pass	
				40	3.85	-5.879	-0.0033	-2.5 to 2.5	Pass				
				50	3.85	-0.029	0.0000	-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	-8.826	-0.0052	-2.5 to 2.5	Pass
						3.85	-9.184	-0.0054	-2.5 to 2.5	Pass

16QAM					4.43	-10.829	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-11.101	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				10	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				30	3.85	4.506	0.0026	-2.5 to 2.5	Pass
				40	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0046	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-4.334	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
					4.43	-3.161	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-8.740	-0.0050	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-5.379	-0.0030	-2.5 to 2.5	Pass
					3.85	-10.285	-0.0058	-2.5 to 2.5	Pass
					4.43	-11.702	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-14.048	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.909	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				30	3.85	1.817	0.0010	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	2.589	0.0015	-2.5 to 2.5	Pass
					3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-10.514	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
1745		25	0	20	3.27	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.85	3.276	0.0019	-2.5 to 2.5	Pass
					4.43	1.845	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-5.307	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				0	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				10	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
1777.5	25	0	20	3.27	4.363	0.0025	-2.5 to 2.5	Pass	
				3.85	-8.597	-0.0048	-2.5 to 2.5	Pass	

					4.43	-1.273	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-6.480	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	3.033	0.0017	-2.5 to 2.5	Pass
				0	3.85	-6.080	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-6.967	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-8.998	-0.0051	-2.5 to 2.5	Pass
				50	3.85	4.878	0.0027	-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	-1.702	-0.0010	-2.5 to 2.5	Pass
					3.85	-2.317	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-8.912	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.429	0.0003	-2.5 to 2.5	Pass
				30	3.85	-8.683	-0.0051	-2.5 to 2.5	Pass
	40	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass			
	50	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass			
	1745	50	0	20	3.27	-4.578	-0.0026	-2.5 to 2.5	Pass
					3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
					4.43	-1.030	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				0	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				30	3.85	3.319	0.0019	-2.5 to 2.5	Pass
	40	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass			
	50	3.85	-10.829	-0.0062	-2.5 to 2.5	Pass			
	1775	50	0	20	3.27	-7.510	-0.0042	-2.5 to 2.5	Pass
					3.85	-6.852	-0.0039	-2.5 to 2.5	Pass
					4.43	-6.752	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-5.164	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	2.103	0.0012	-2.5 to 2.5	Pass
-10				3.85	2.203	0.0012	-2.5 to 2.5	Pass	
0				3.85	1.116	0.0006	-2.5 to 2.5	Pass	
10				3.85	-3.948	-0.0022	-2.5 to 2.5	Pass	
30				3.85	-4.220	-0.0024	-2.5 to 2.5	Pass	
40	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass				
50	3.85	-4.663	-0.0026	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.27	-6.437	-0.0038	-2.5 to 2.5	Pass
					3.85	-9.370	-0.0055	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0046	-2.5 to 2.5	Pass



	1745	50	0	-30	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-10.886	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-9.456	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				20	3.27	-4.992	-0.0029	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
	4.43	-4.163	-0.0024		-2.5 to 2.5	Pass			
	-30	3.85	-5.994	-0.0034	-2.5 to 2.5	Pass			
	-20	3.85	0.787	0.0005	-2.5 to 2.5	Pass			
	-10	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass			
	0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass			
	10	3.85	-10.271	-0.0059	-2.5 to 2.5	Pass			
	30	3.85	-6.523	-0.0037	-2.5 to 2.5	Pass			
	40	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass			
	50	3.85	1.130	0.0006	-2.5 to 2.5	Pass			
	1775	50	0	20	3.27	-4.578	-0.0026	-2.5 to 2.5	Pass
					3.85	-6.323	-0.0036	-2.5 to 2.5	Pass
					4.43	0.572	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-11.759	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-5.050	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.031	-0.0011	-2.5 to 2.5	Pass
	50	3.85	-0.529	-0.0003	-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	-5.236	-0.0030	-2.5 to 2.5	Pass
					3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-9.456	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
	50	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	-2.131	-0.0012	-2.5 to 2.5	Pass
					3.85	0.687	0.0004	-2.5 to 2.5	Pass
					4.43	-3.676	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass

				-20	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass	
				-10	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass	
				0	3.85	-8.311	-0.0048	-2.5 to 2.5	Pass	
				10	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass	
				30	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass	
				40	3.85	-9.470	-0.0054	-2.5 to 2.5	Pass	
	1772.5	75	0	50	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass	
				20	3.27	-7.854	-0.0044	-2.5 to 2.5	Pass	
					3.85	-5.207	-0.0029	-2.5 to 2.5	Pass	
					4.43	-0.730	-0.0004	-2.5 to 2.5	Pass	
				-30	3.85	0.944	0.0005	-2.5 to 2.5	Pass	
				-20	3.85	-6.423	-0.0036	-2.5 to 2.5	Pass	
		-10	3.85	9.112	0.0051	-2.5 to 2.5	Pass			
		0	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass			
		10	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass			
		30	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass			
		40	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass			
		50	3.85	-2.732	-0.0015	-2.5 to 2.5	Pass			
16QAM	1717.5	75	0	20	3.27	-4.420	-0.0026	-2.5 to 2.5	Pass	
					3.85	-0.486	-0.0003	-2.5 to 2.5	Pass	
					4.43	-9.284	-0.0054	-2.5 to 2.5	Pass	
				-30	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass	
				-20	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass	
				-10	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass	
		0	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass			
		10	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass			
		30	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass			
		40	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass			
		50	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass			
		1745	75	0	20	3.27	-4.520	-0.0026	-2.5 to 2.5	Pass
	3.85					-5.665	-0.0032	-2.5 to 2.5	Pass	
	4.43					-6.480	-0.0037	-2.5 to 2.5	Pass	
	-30				3.85	-9.027	-0.0052	-2.5 to 2.5	Pass	
	-20				3.85	-0.758	-0.0004	-2.5 to 2.5	Pass	
	-10				3.85	-2.661	-0.0015	-2.5 to 2.5	Pass	
	0		3.85	-3.362	-0.0019	-2.5 to 2.5	Pass			
	10		3.85	-7.997	-0.0046	-2.5 to 2.5	Pass			
	30		3.85	-4.349	-0.0025	-2.5 to 2.5	Pass			
	40		3.85	-6.723	-0.0039	-2.5 to 2.5	Pass			
	50		3.85	-2.832	-0.0016	-2.5 to 2.5	Pass			
	1772.5		75	0	20	3.27	-6.180	-0.0035	-2.5 to 2.5	Pass
						3.85	0.615	0.0003	-2.5 to 2.5	Pass
						4.43	-1.130	-0.0006	-2.5 to 2.5	Pass
					-30	3.85	1.903	0.0011	-2.5 to 2.5	Pass
					-20	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
					-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
			0	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass		
		10	3.85	2.403	0.0014	-2.5 to 2.5	Pass			
30		3.85	-5.193	-0.0029	-2.5 to 2.5	Pass				
40		3.85	-4.506	-0.0025	-2.5 to 2.5	Pass				
50		3.85	-9.613	-0.0054	-2.5 to 2.5	Pass				



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	-0.186	-0.0001	-2.5 to 2.5	Pass
					3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
					4.43	-9.155	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-7.510	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-9.155	-0.0053	-2.5 to 2.5	Pass
	50	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-2.604	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
					4.43	-8.640	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-9.513	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
	50	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass			
	1770	100	0	20	3.27	-5.150	-0.0029	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-4.306	-0.0024	-2.5 to 2.5	Pass
				0	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.080	-0.0034	-2.5 to 2.5	Pass
30				3.85	-5.622	-0.0032	-2.5 to 2.5	Pass	
40				3.85	-1.903	-0.0011	-2.5 to 2.5	Pass	
50	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-6.580	-0.0038	-2.5 to 2.5	Pass
					3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
					4.43	-11.630	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-3.891	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-13.161	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.093	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
	50	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-1.416	-0.0008	-2.5 to 2.5	Pass
					3.85	-6.523	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.938	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-10.285	-0.0059	-2.5 to 2.5	Pass

				-10	3.85	-7.939	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-8.554	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				50	3.85	2.031	0.0012	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.85	-3.591	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.562	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.292	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-6.781	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-8.769	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-8.955	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-8.254	-0.0047	-2.5 to 2.5	Pass

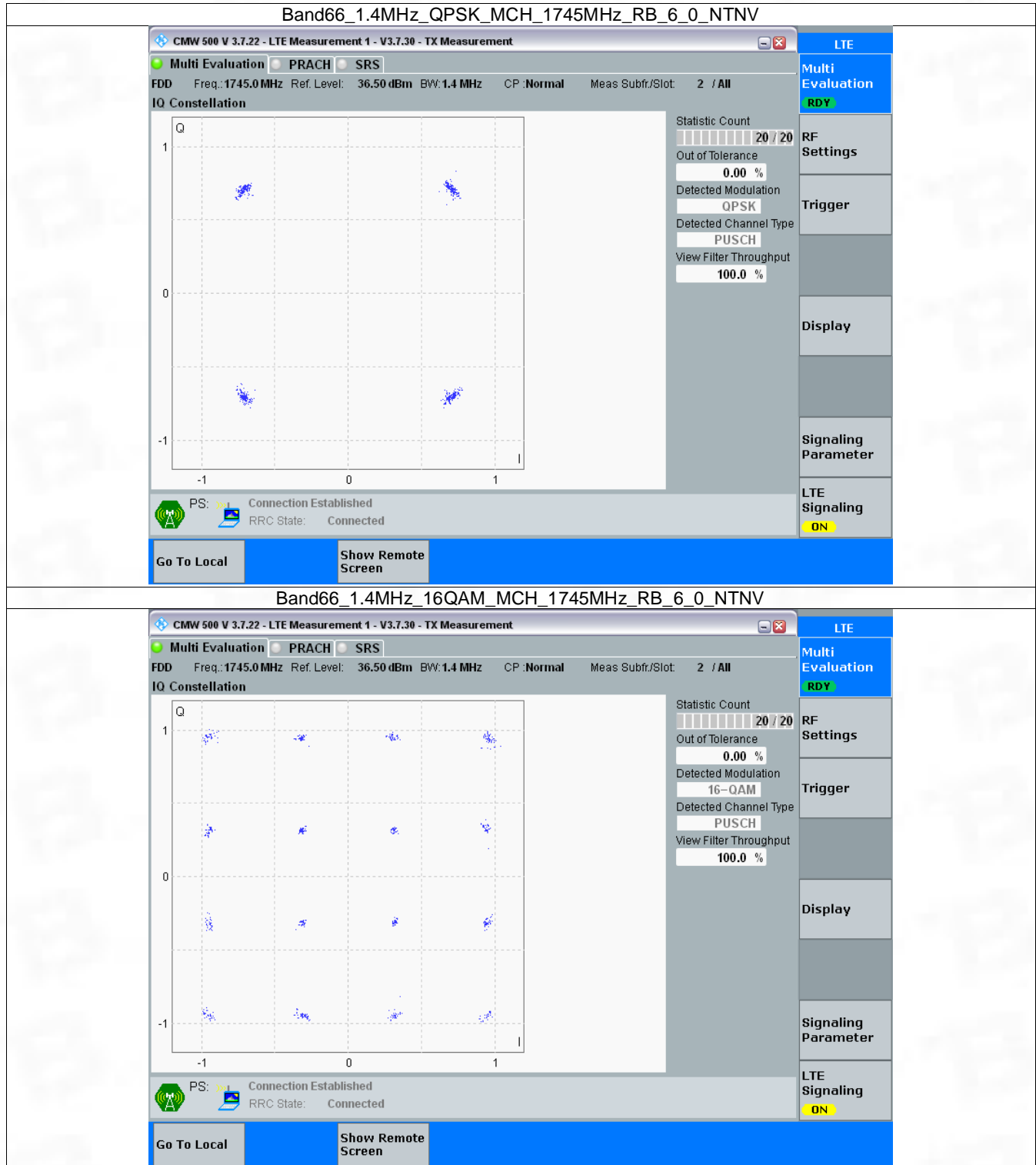
3. Modulation Characteristics

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



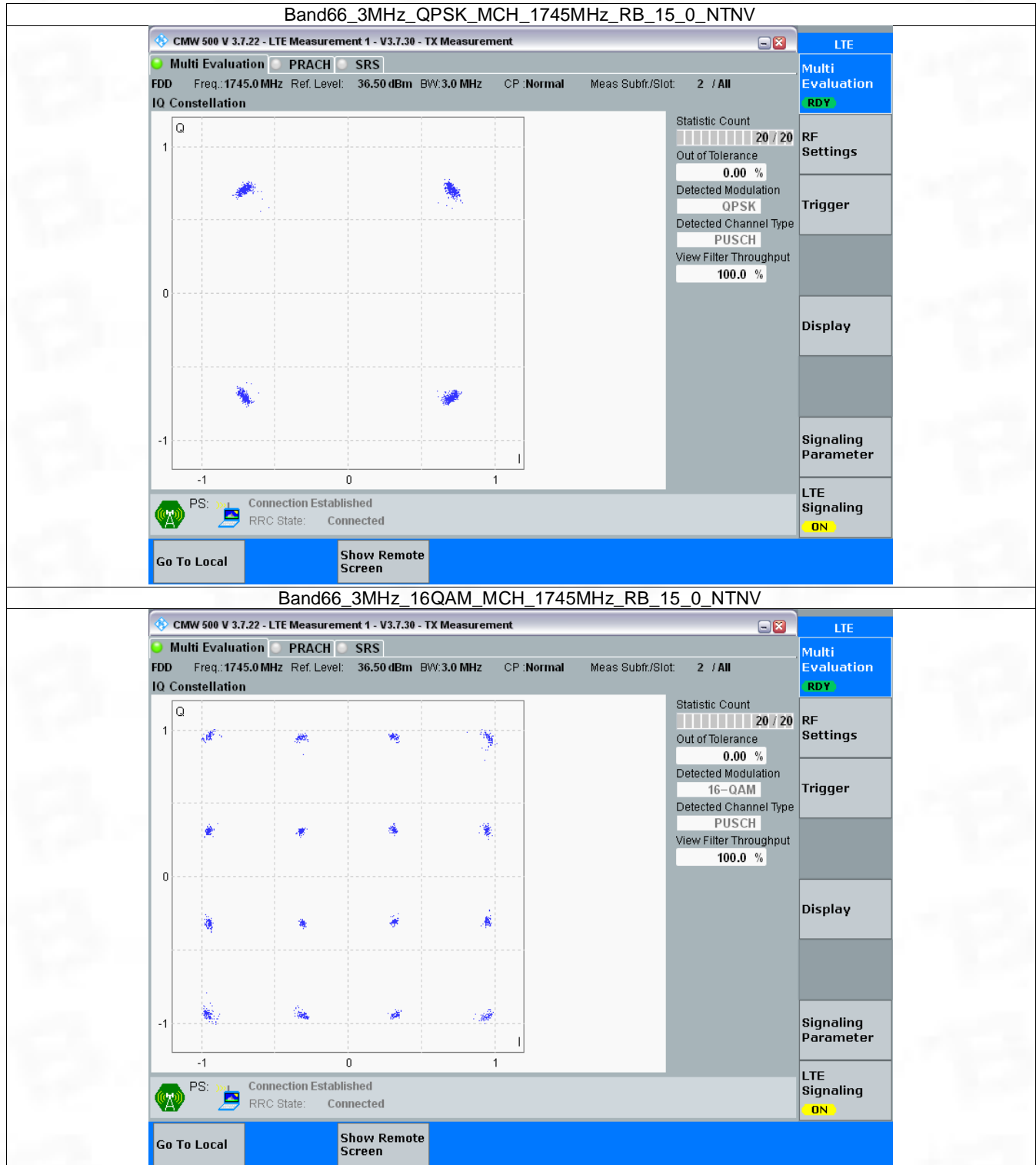


3.2 B66_3MHz

3.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTN						
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



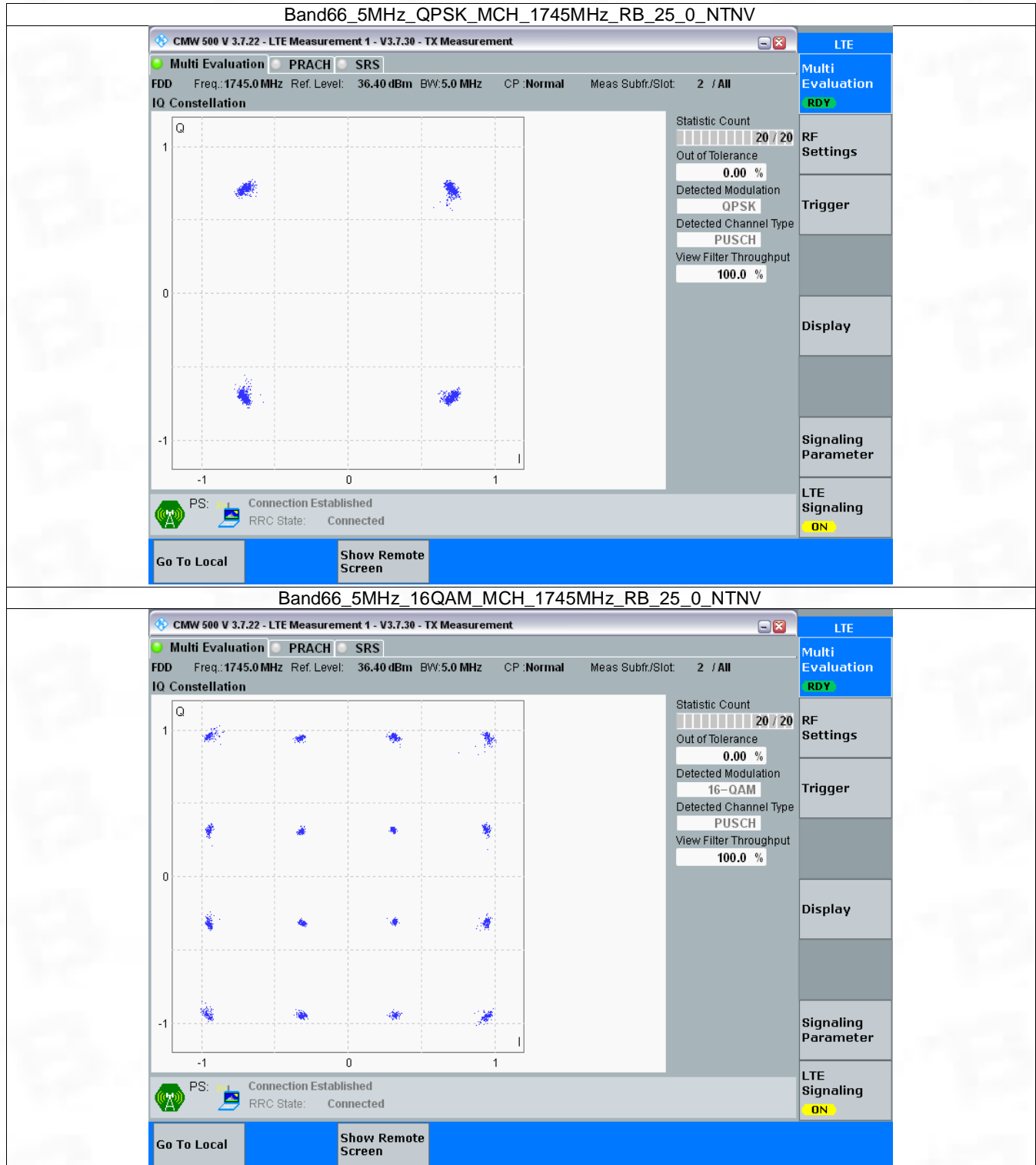


3.3 B66_5MHz

3.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTN						
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



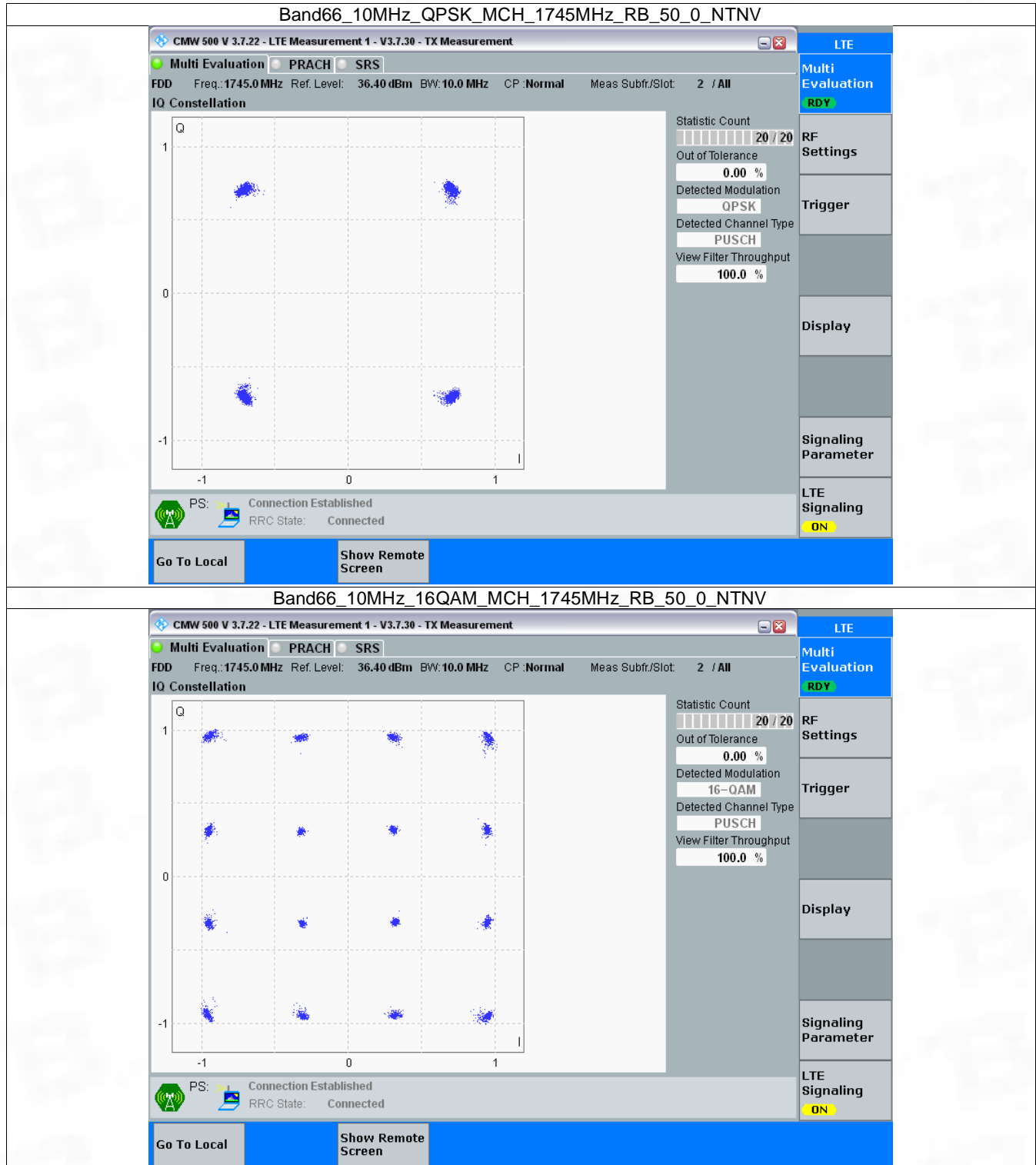


3.4 B66_10MHz

3.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTV						
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



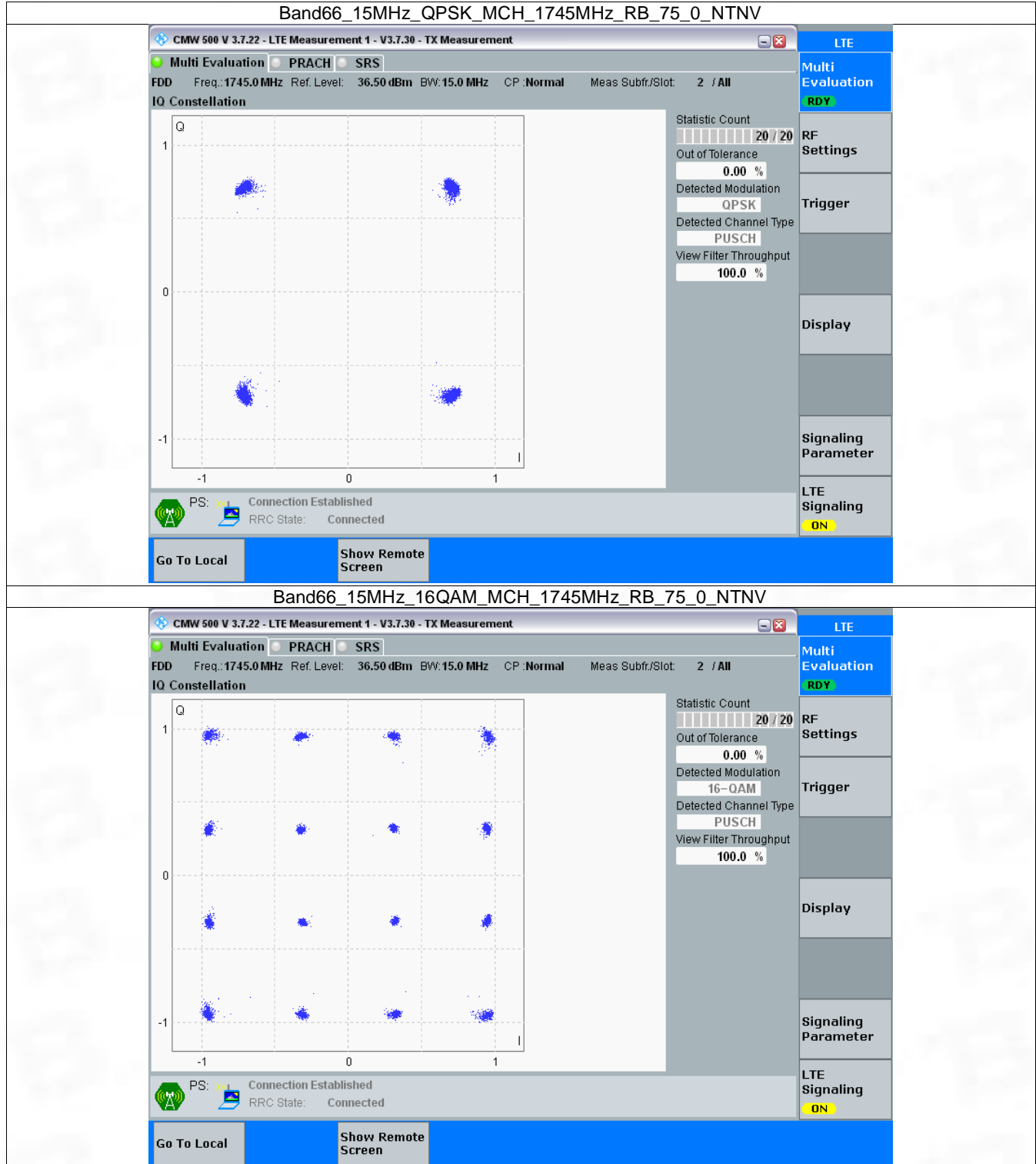


3.5 B66_15MHz

3.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTV						
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



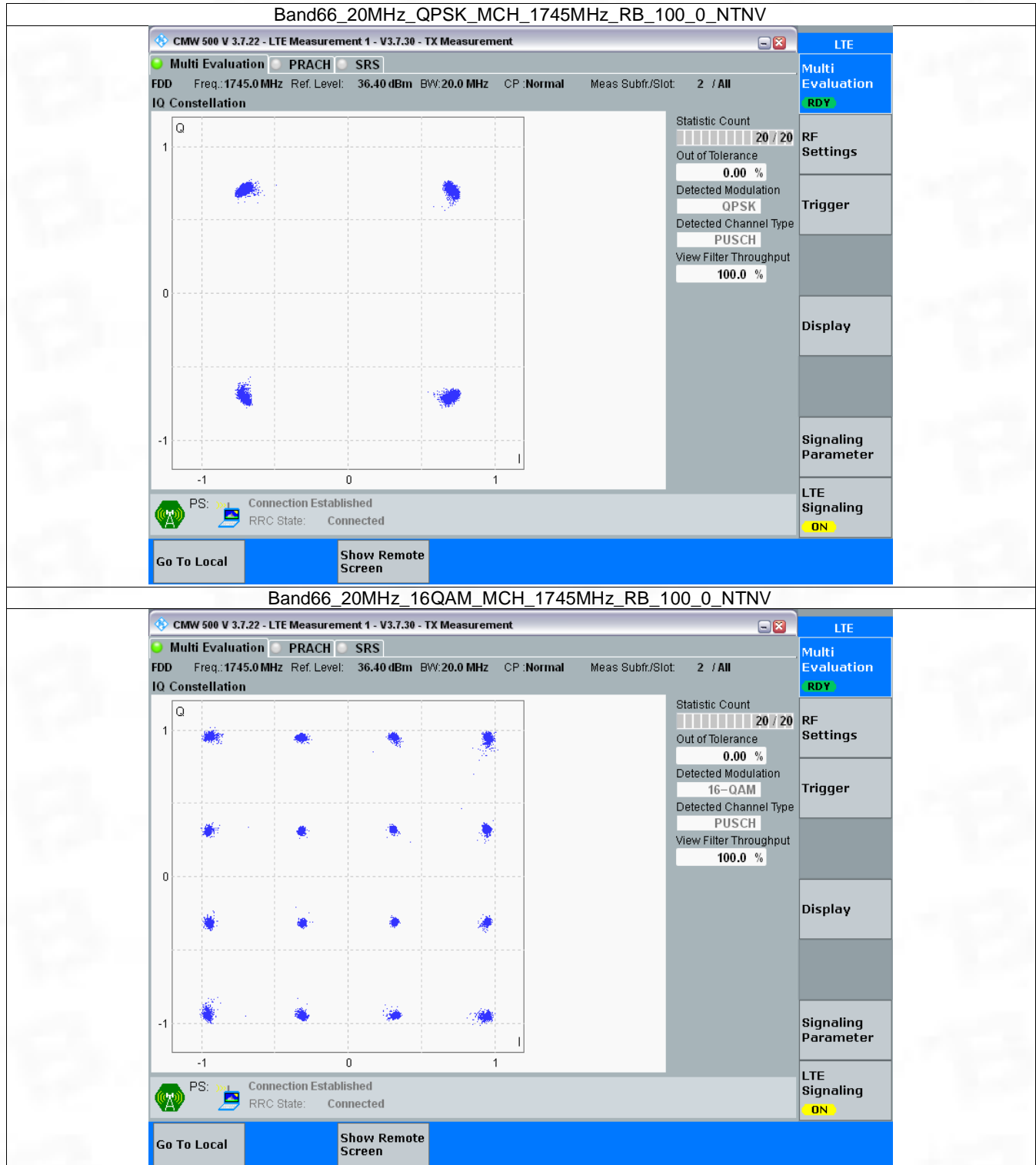


3.6 B66_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph



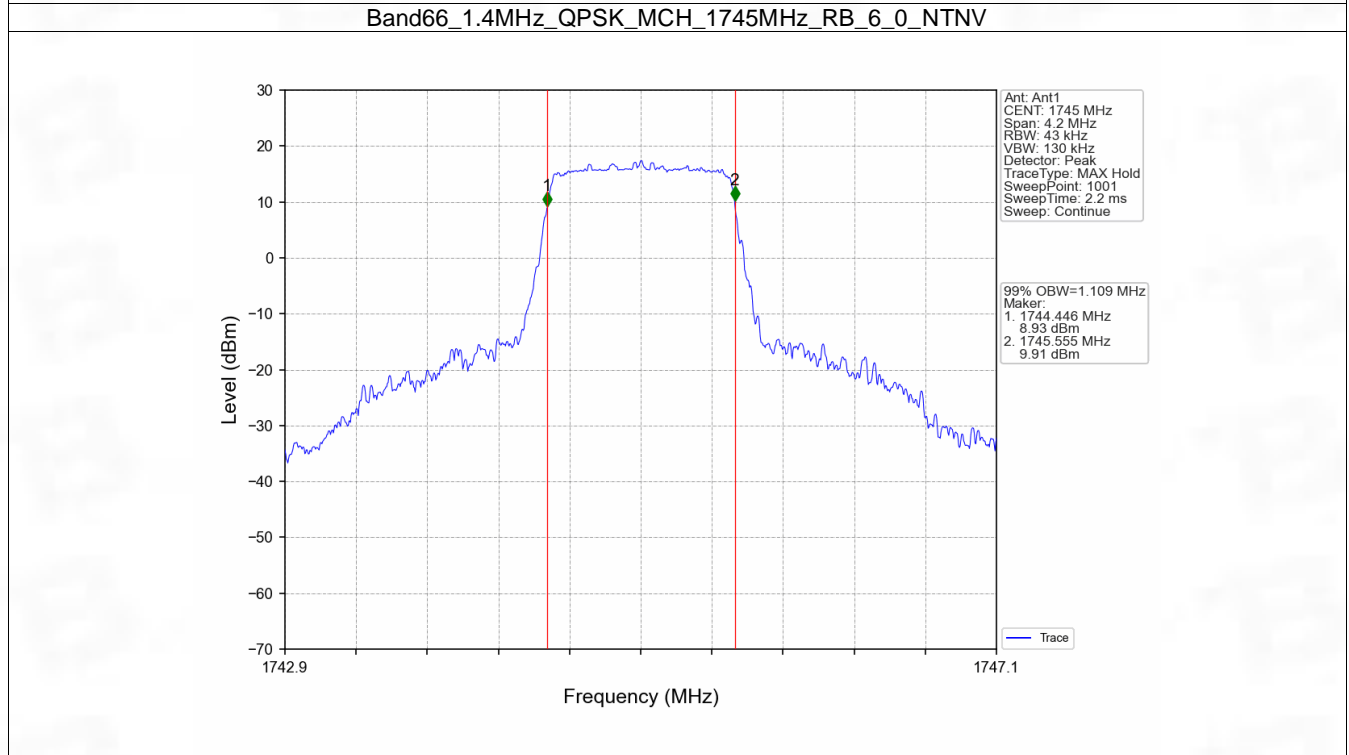
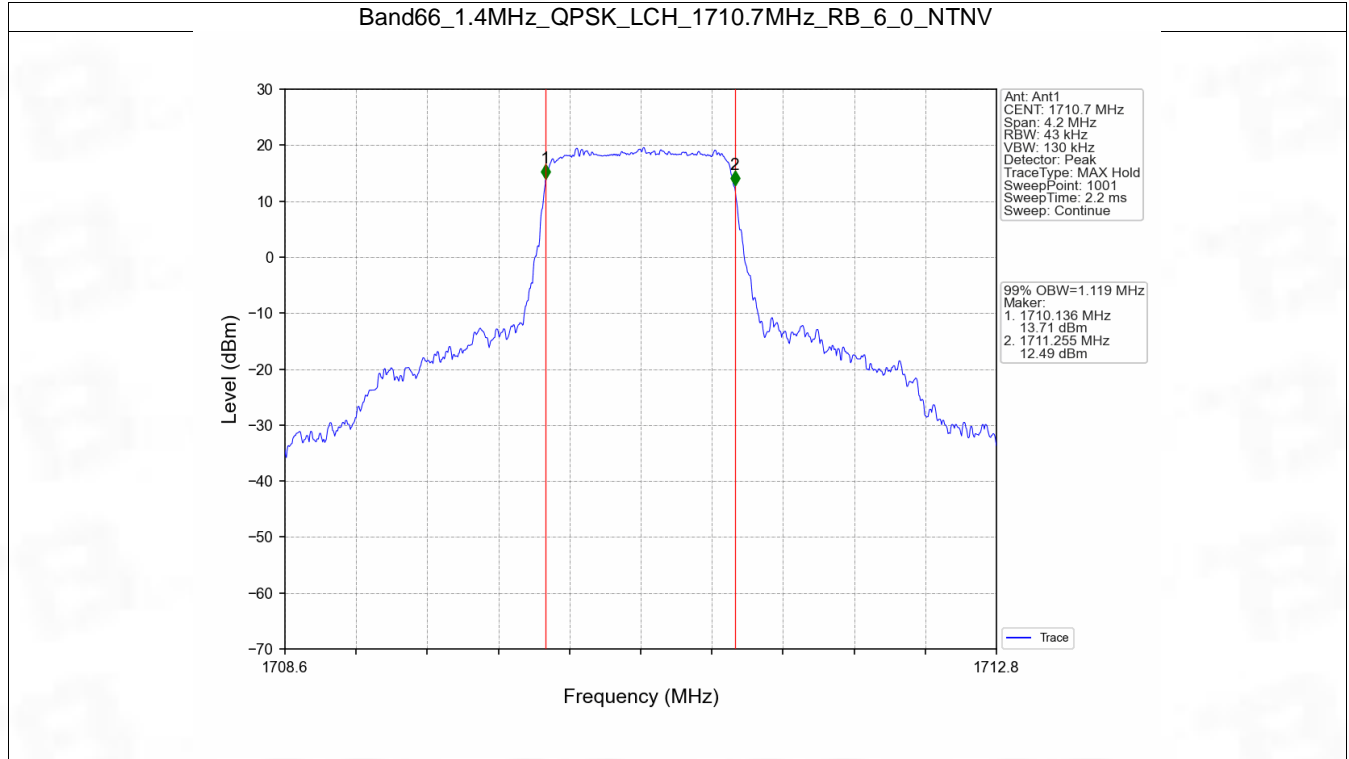
4. 99% & 26dB Bandwidth

4.1 Band66_OBW

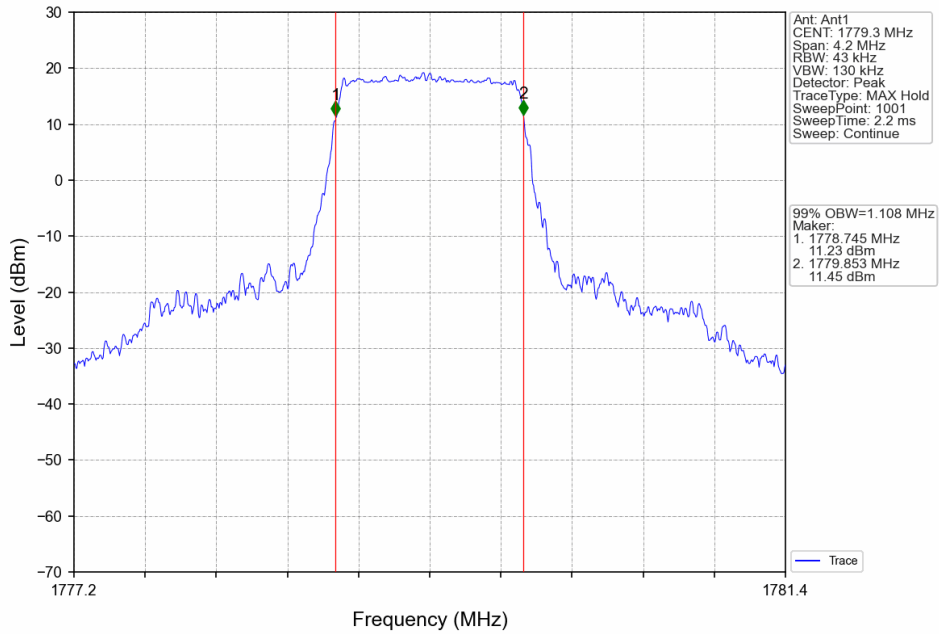
4.1.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.119	Pass
		1745	6	0	1.109	Pass
		1779.3	6	0	1.108	Pass
	16QAM	1710.7	6	0	1.112	Pass
		1745	6	0	1.103	Pass
		1779.3	6	0	1.104	Pass
3	QPSK	1711.5	15	0	2.733	Pass
		1745	15	0	2.735	Pass
		1778.5	15	0	2.731	Pass
	16QAM	1711.5	15	0	2.722	Pass
		1745	15	0	2.729	Pass
		1778.5	15	0	2.723	Pass
5	QPSK	1712.5	25	0	4.567	Pass
		1745	25	0	4.571	Pass
		1777.5	25	0	4.580	Pass
	16QAM	1712.5	25	0	4.596	Pass
		1745	25	0	4.579	Pass
		1777.5	25	0	4.564	Pass
10	QPSK	1715	50	0	9.070	Pass
		1745	50	0	9.089	Pass
		1775	50	0	9.092	Pass
	16QAM	1715	50	0	9.045	Pass
		1745	50	0	9.097	Pass
		1775	50	0	9.067	Pass
15	QPSK	1717.5	75	0	13.540	Pass
		1745	75	0	13.695	Pass
		1772.5	75	0	13.622	Pass
	16QAM	1717.5	75	0	13.573	Pass
		1745	75	0	13.703	Pass
		1772.5	75	0	13.569	Pass
20	QPSK	1720	100	0	17.984	Pass
		1745	100	0	18.310	Pass
		1770	100	0	18.101	Pass
	16QAM	1720	100	0	18.003	Pass
		1745	100	0	18.278	Pass
		1770	100	0	18.138	Pass

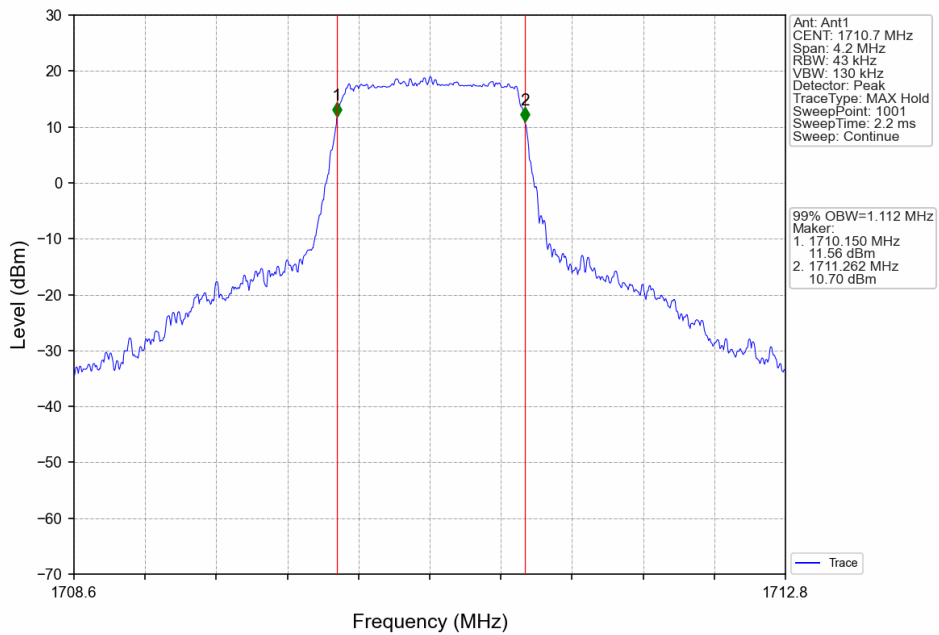
4.1.2 Test Graph

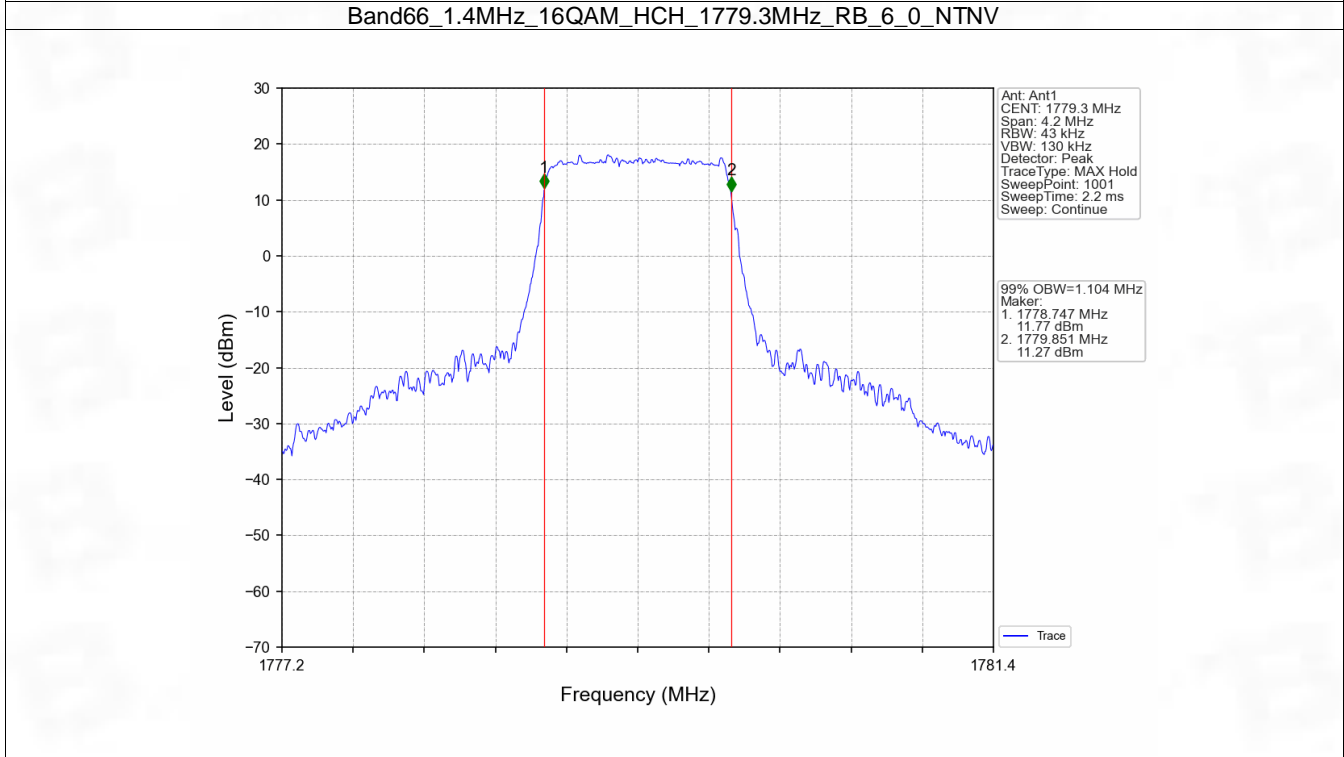
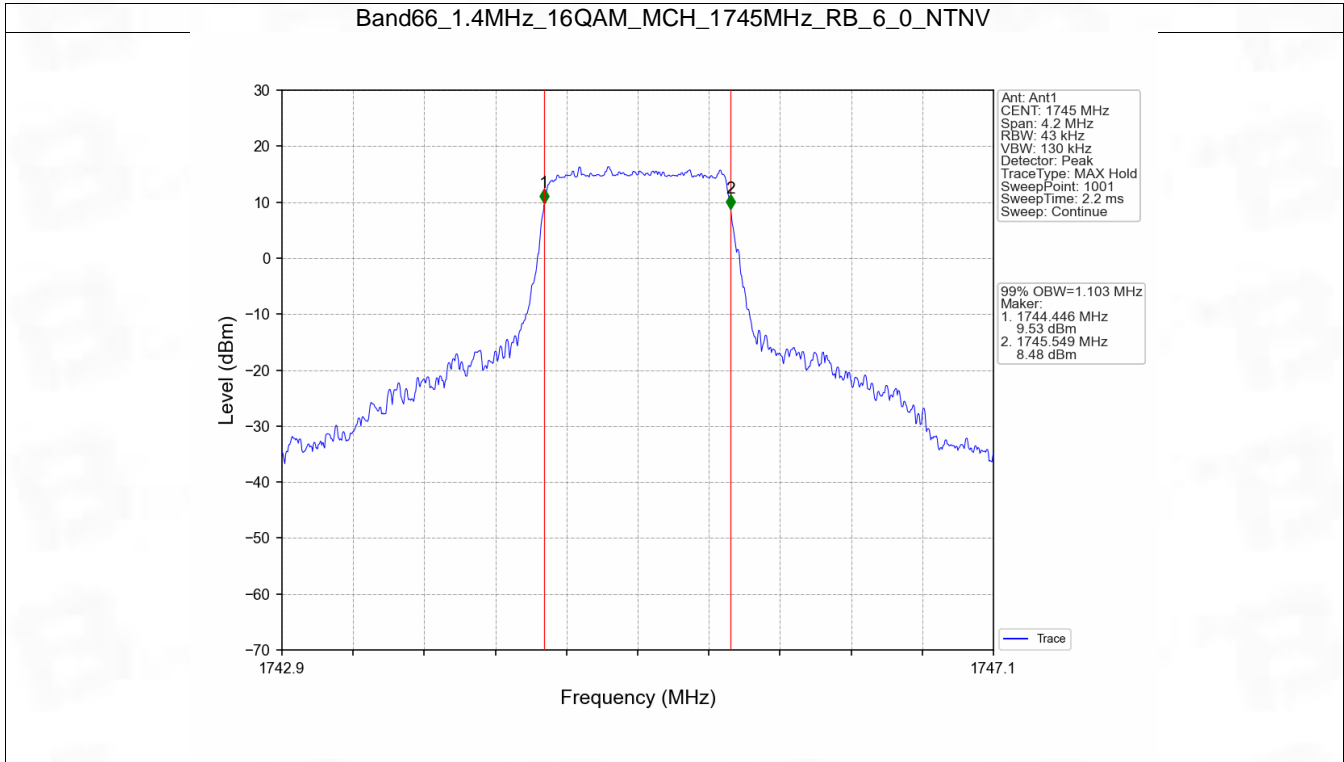


Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV

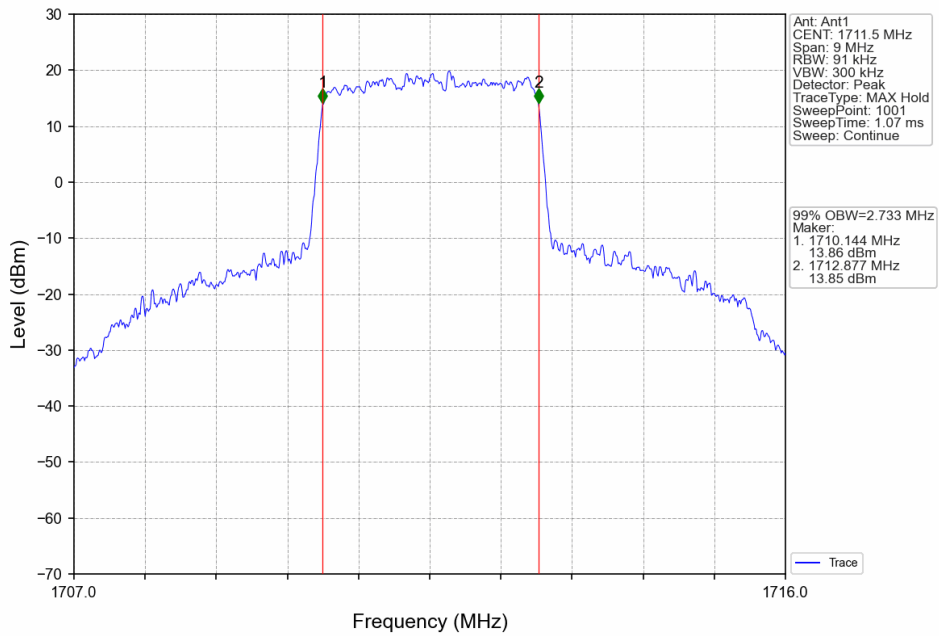


Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

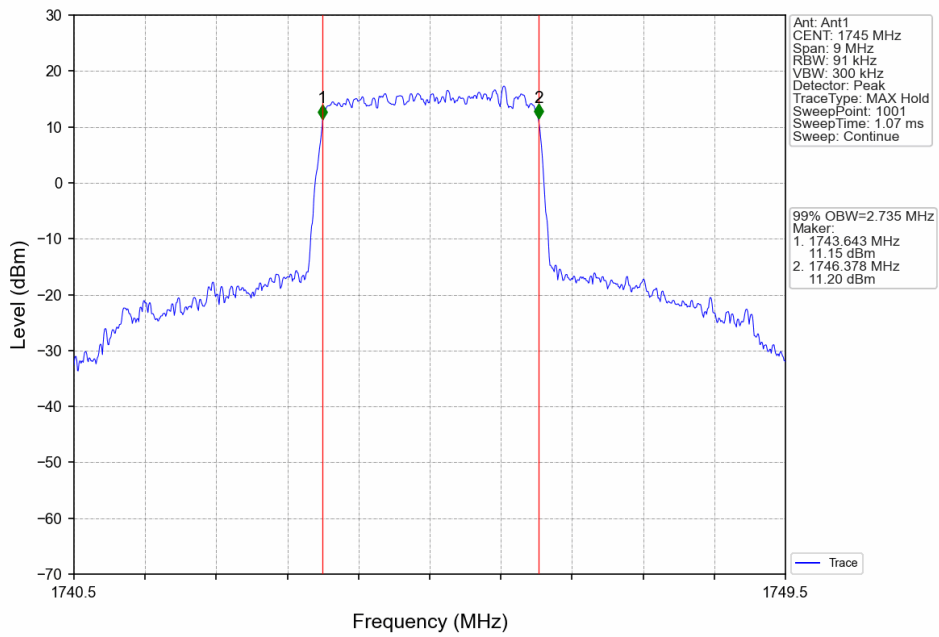




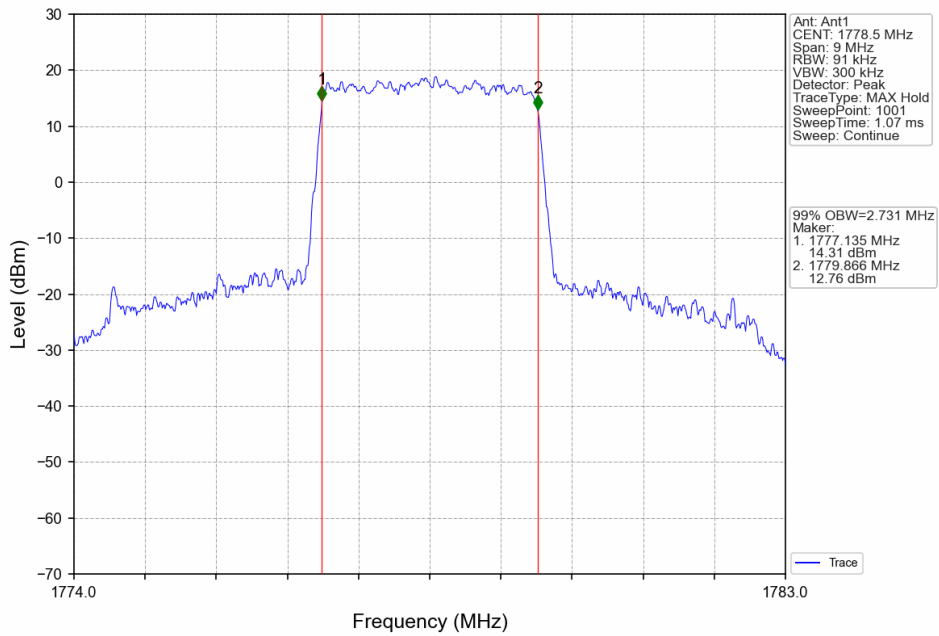
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



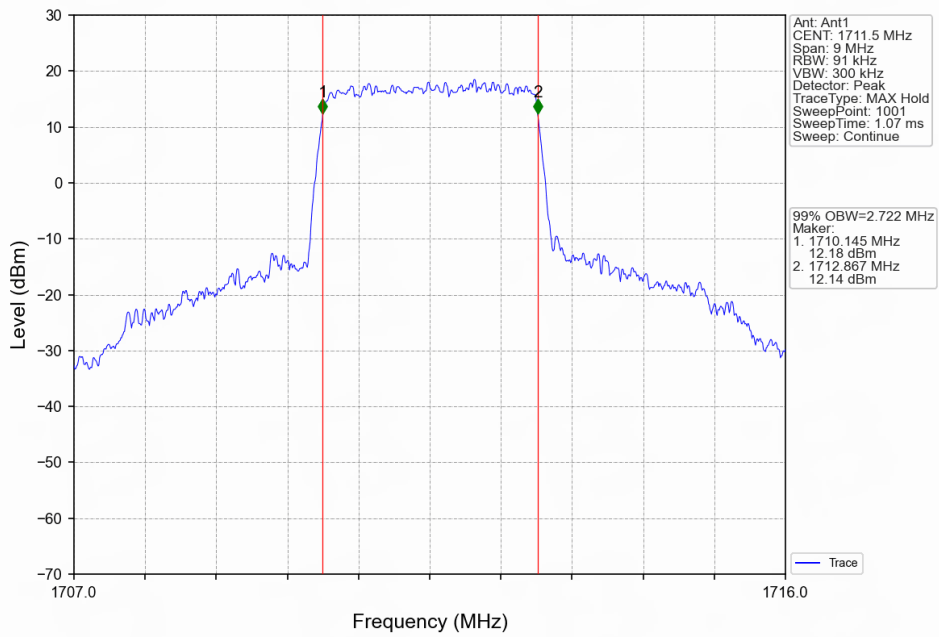
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV

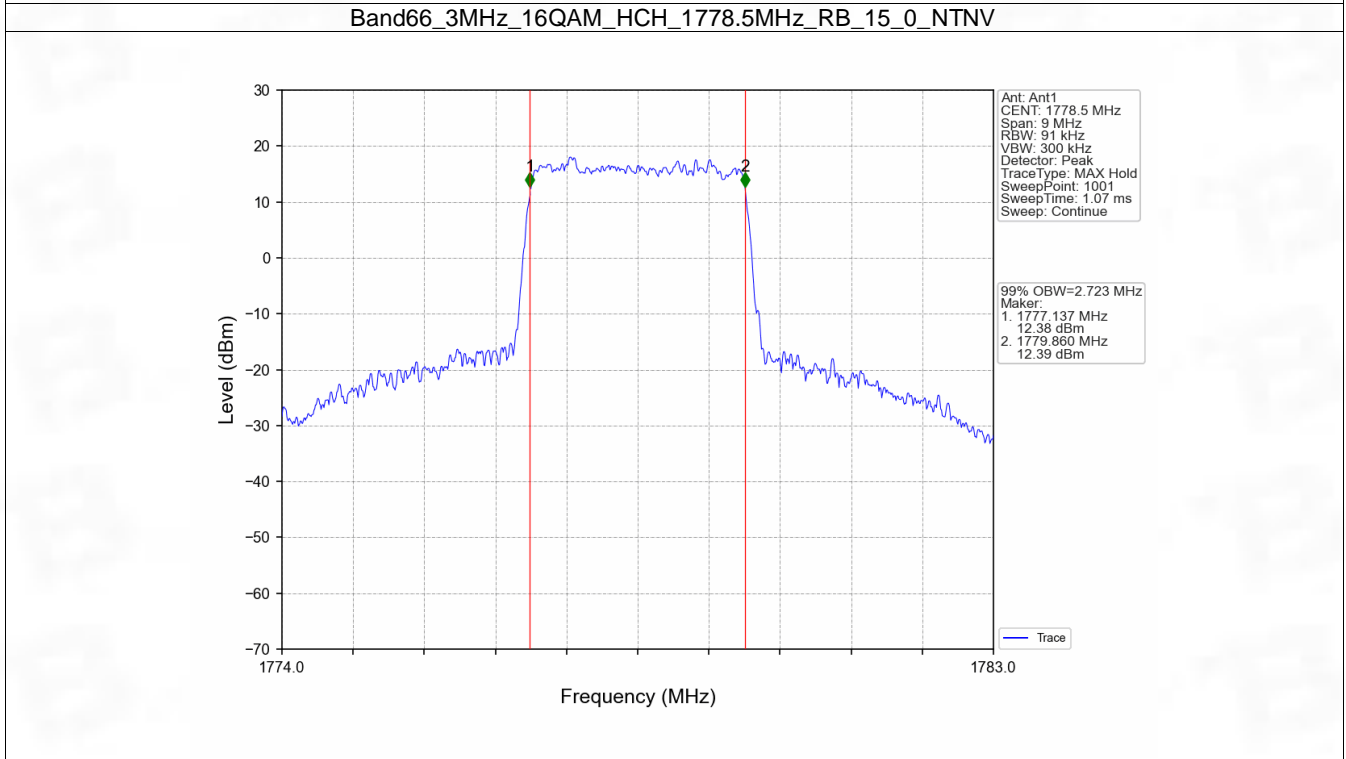
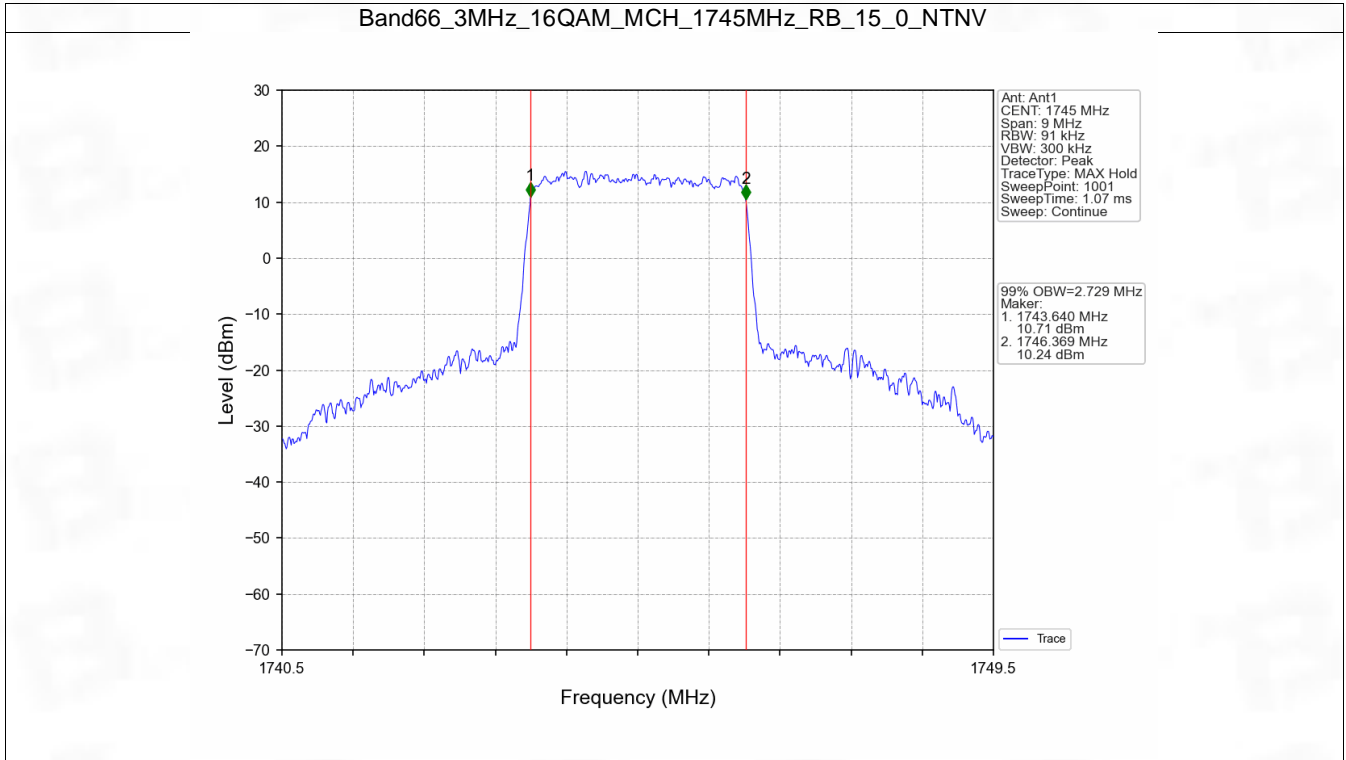


Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV

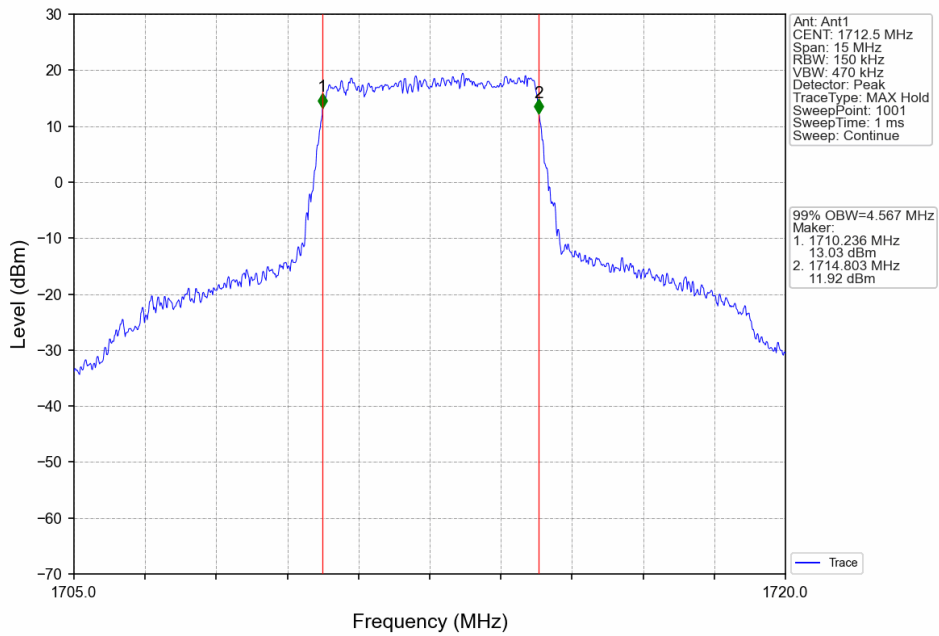


Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

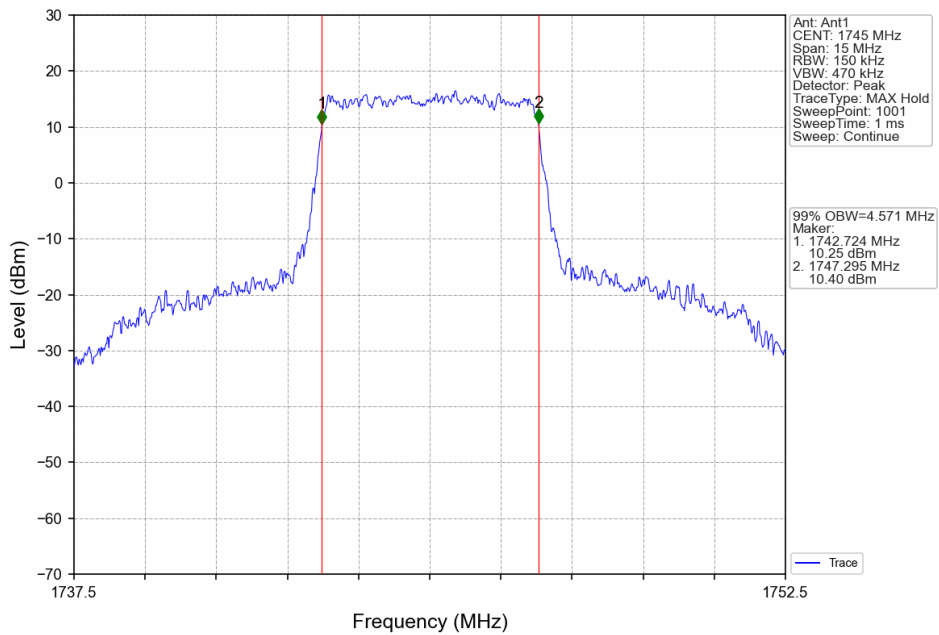




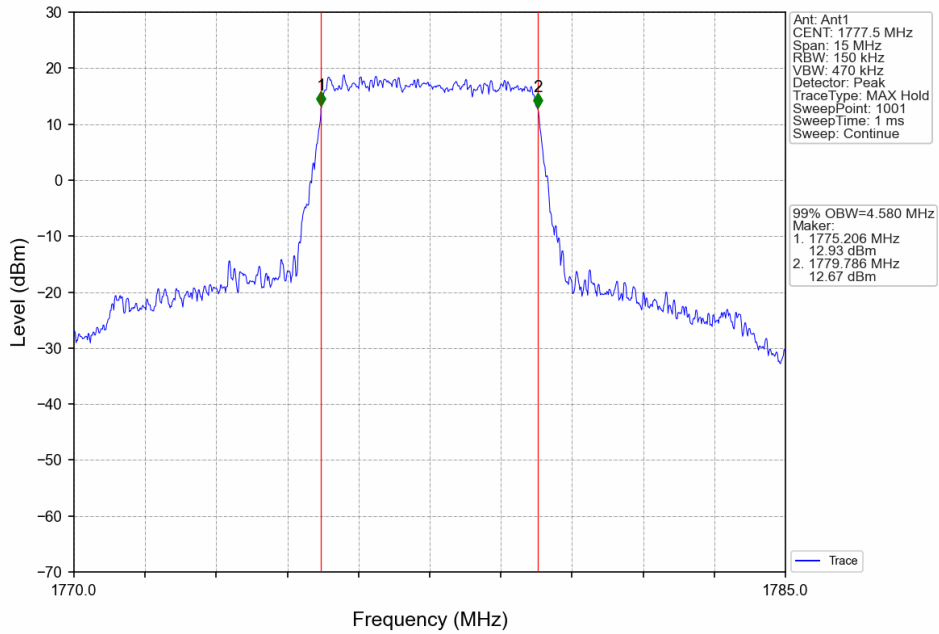
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



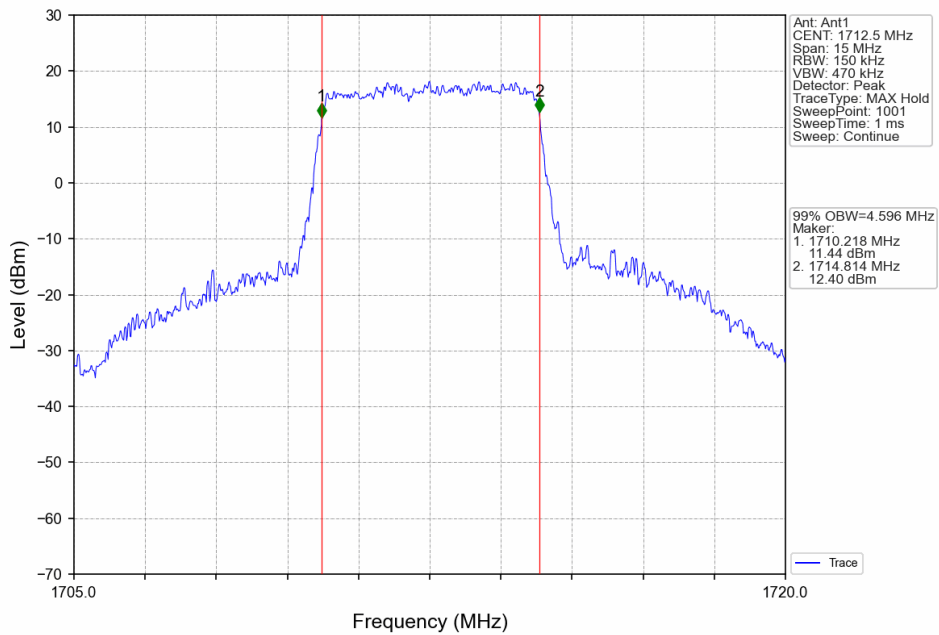
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



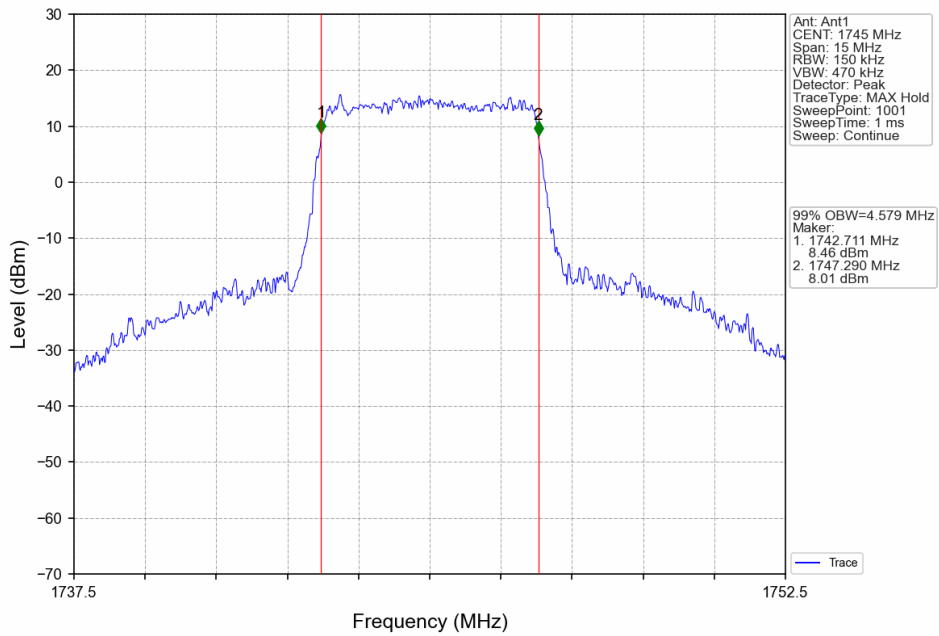
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



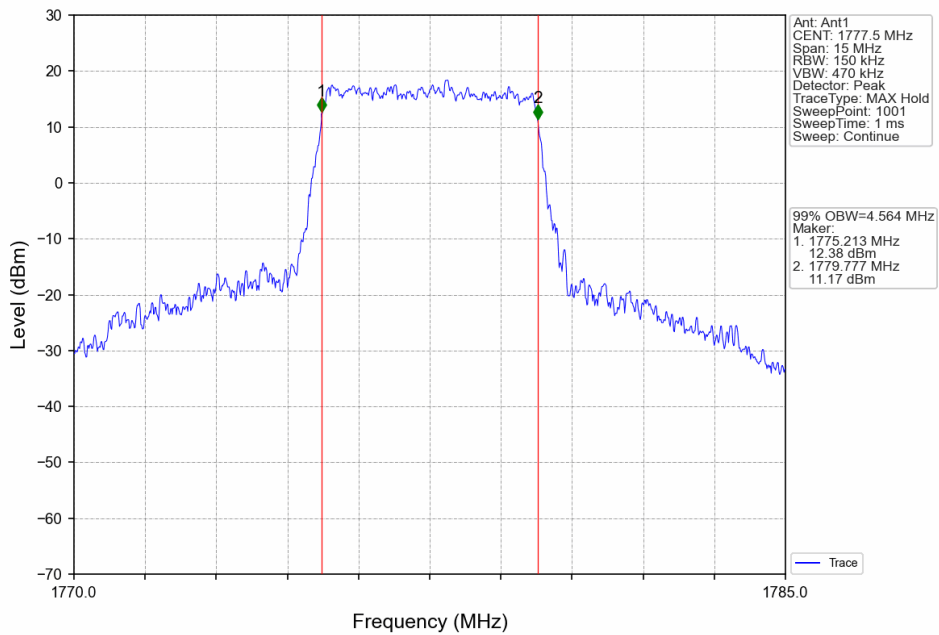
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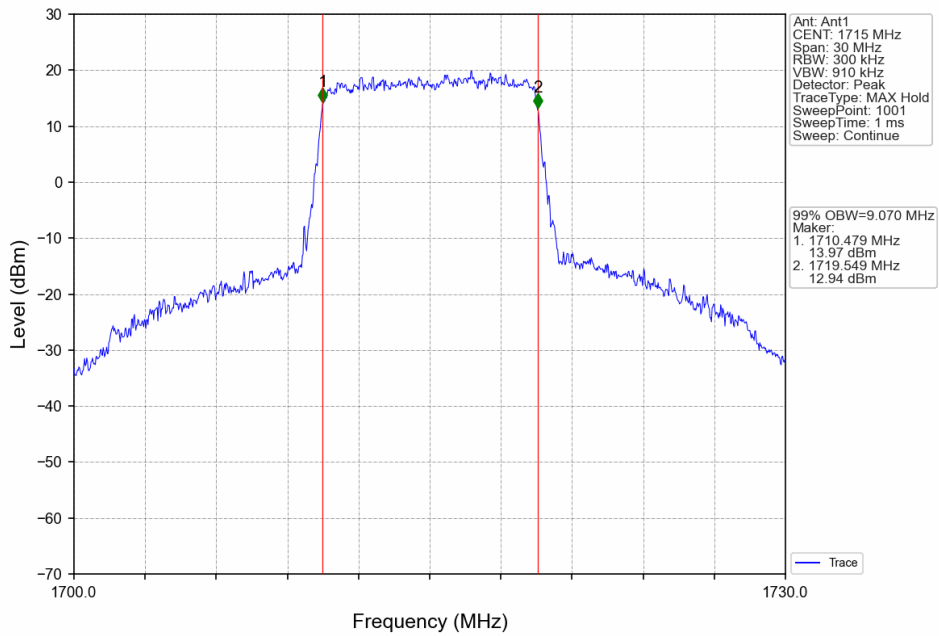
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



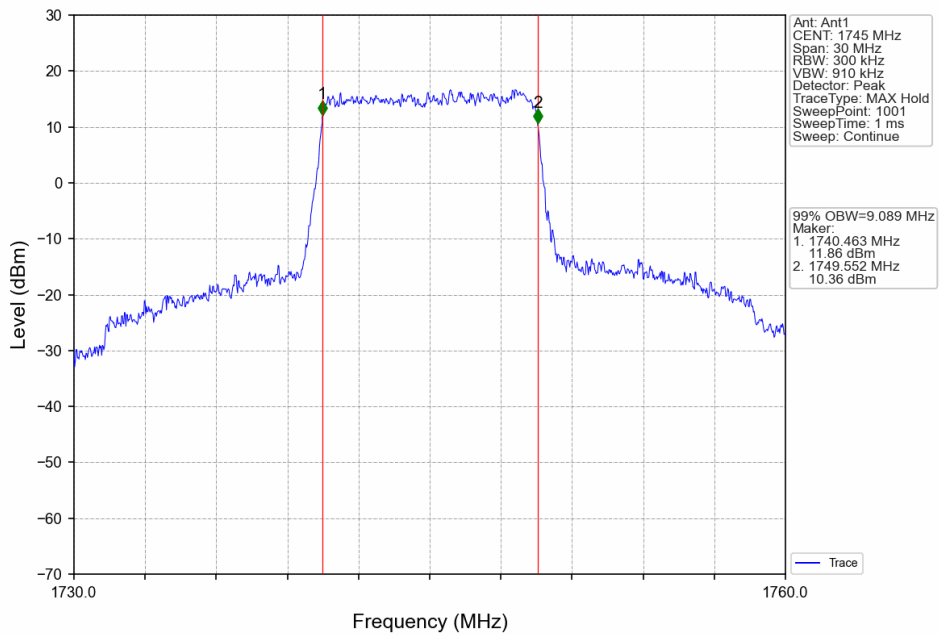
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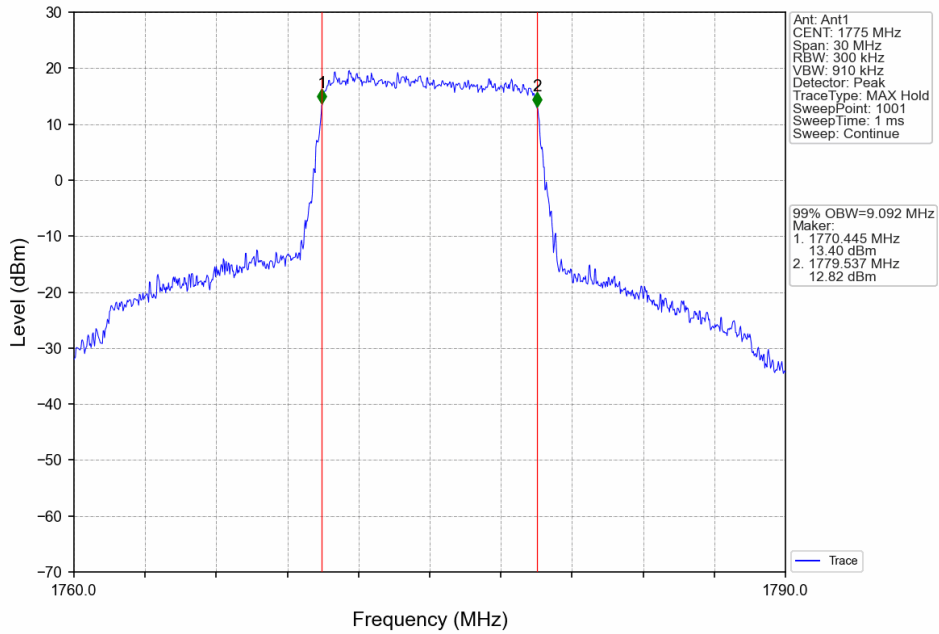
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



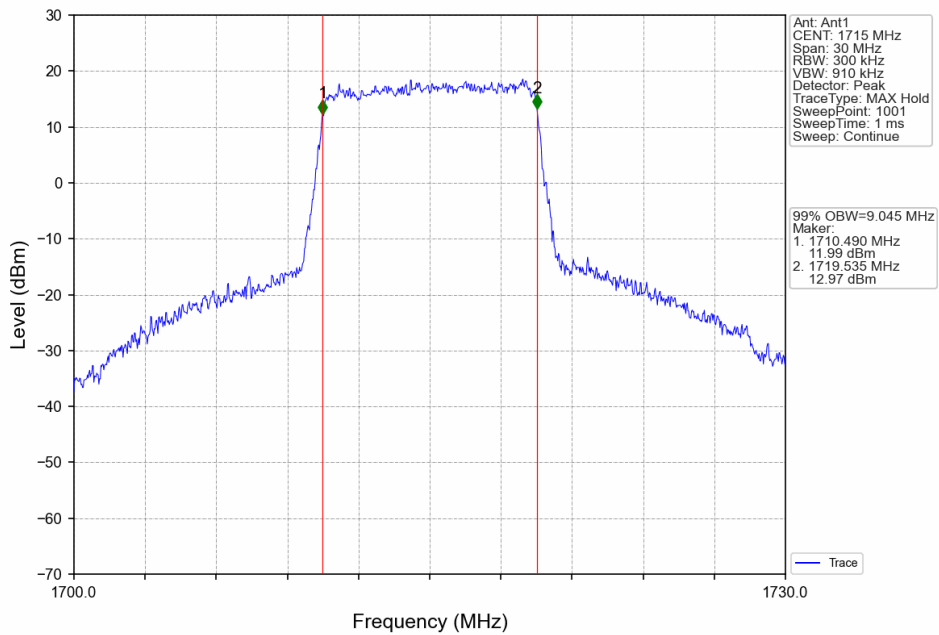
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



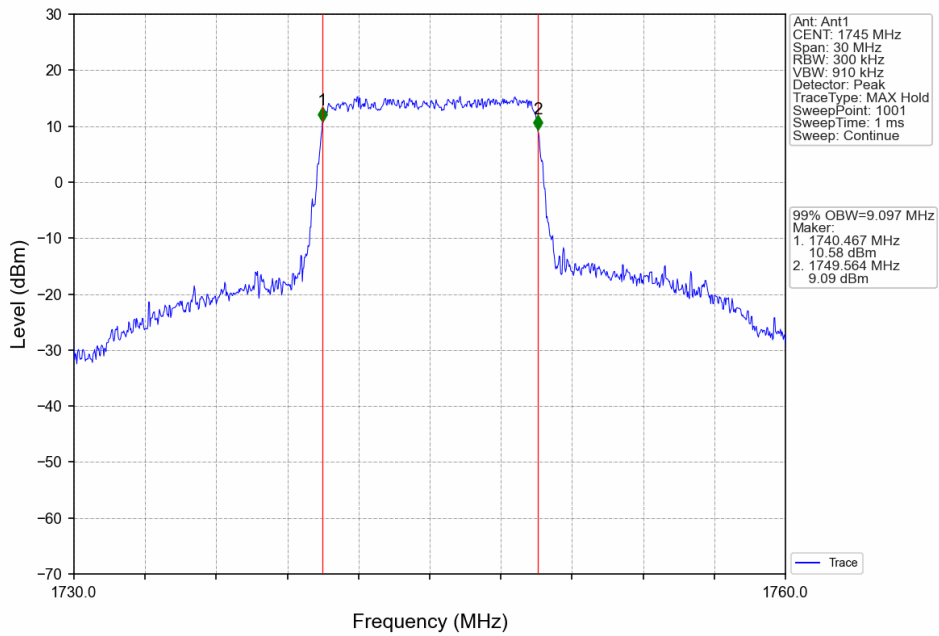
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



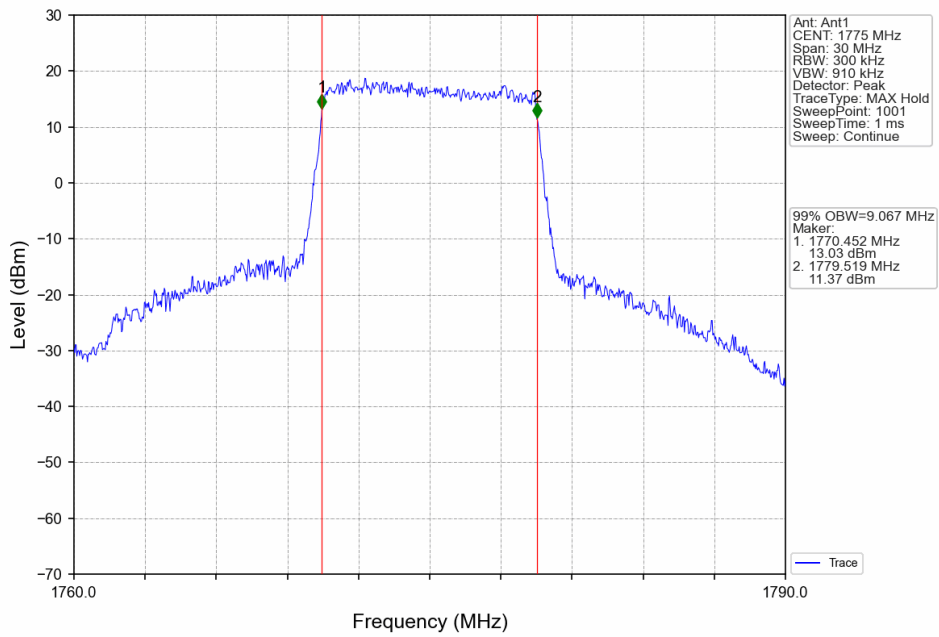
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

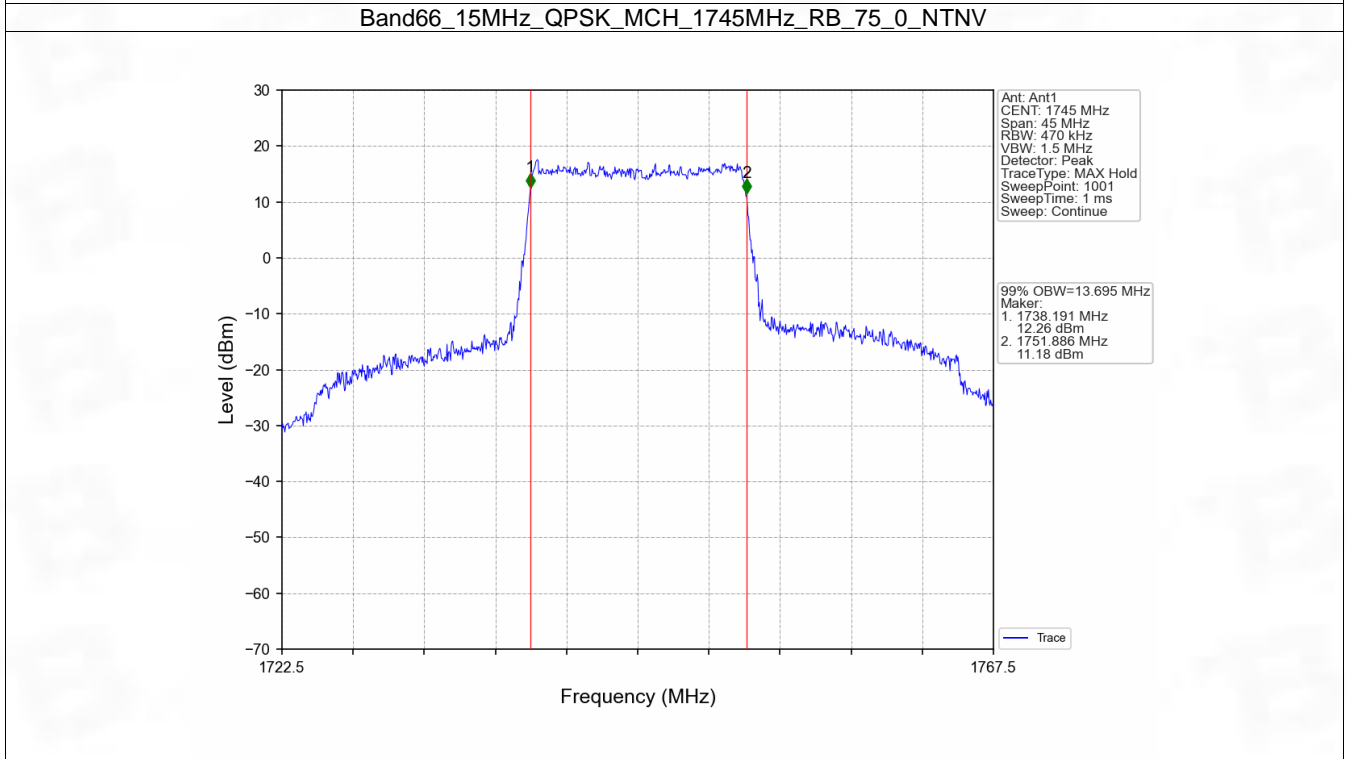
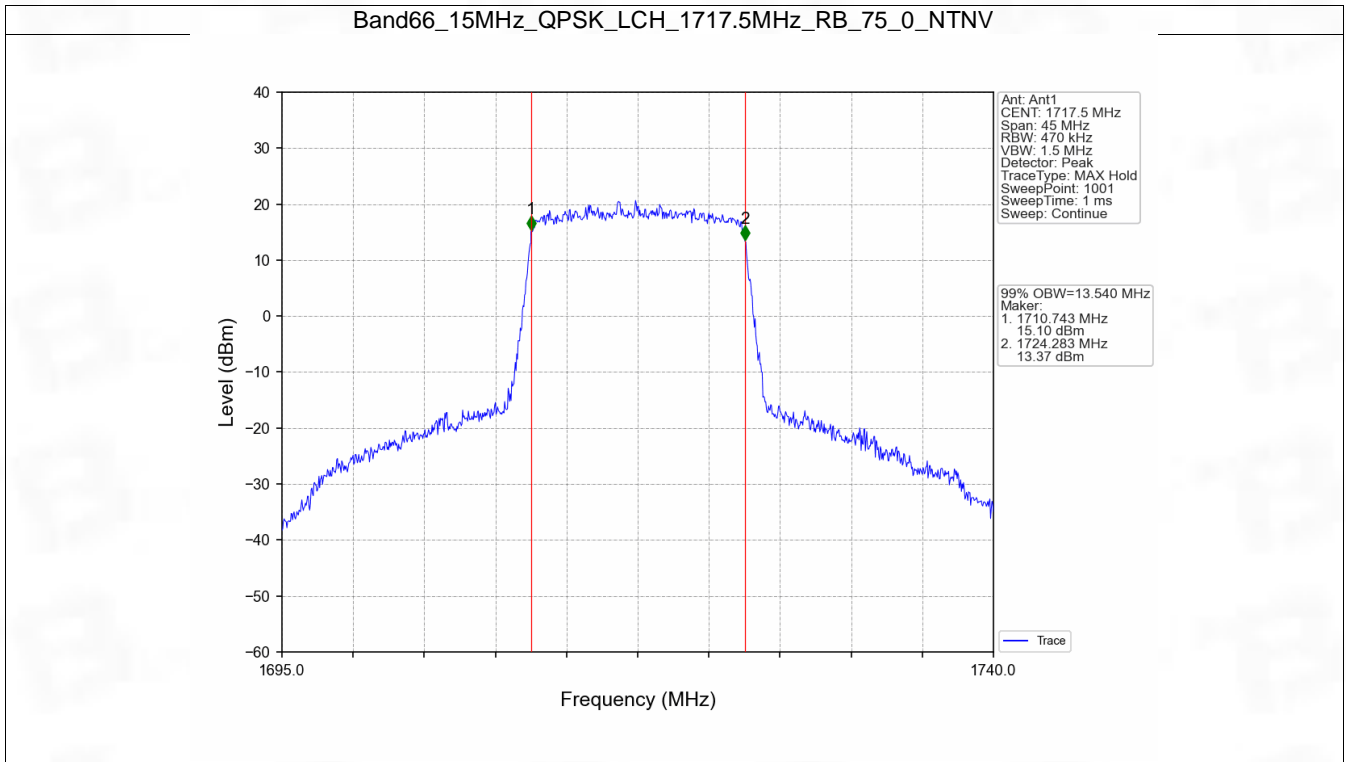


Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV

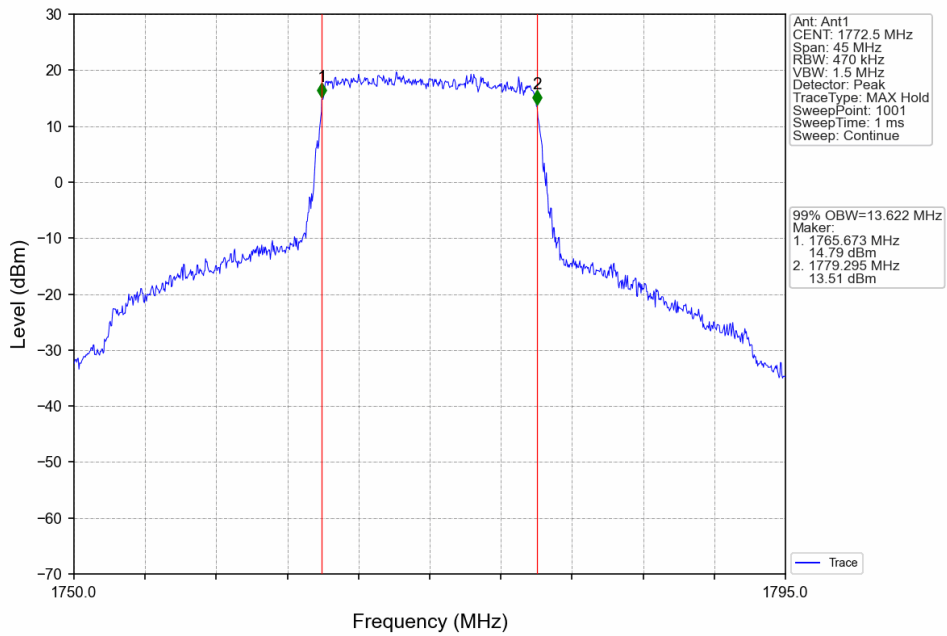


Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV

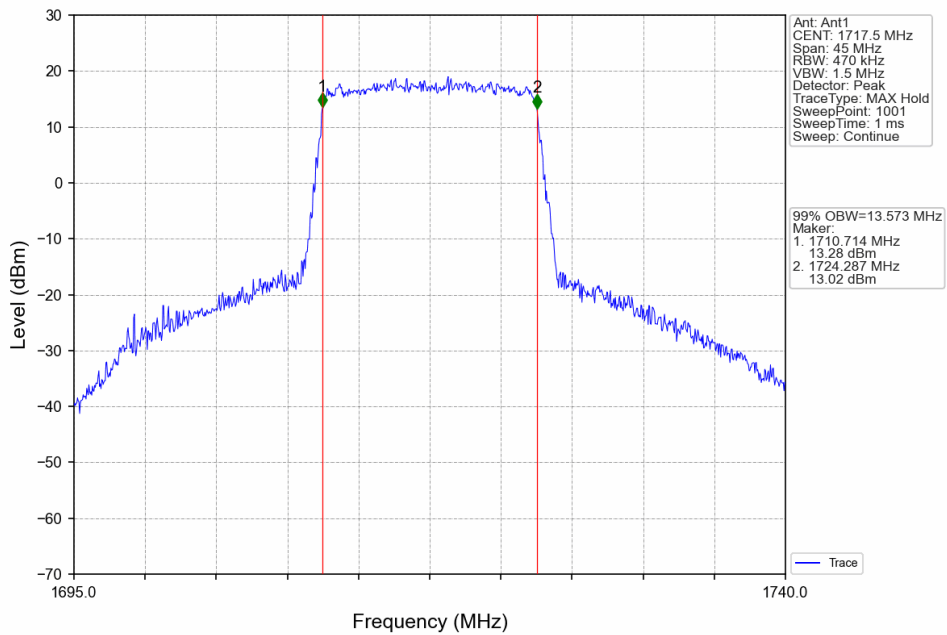




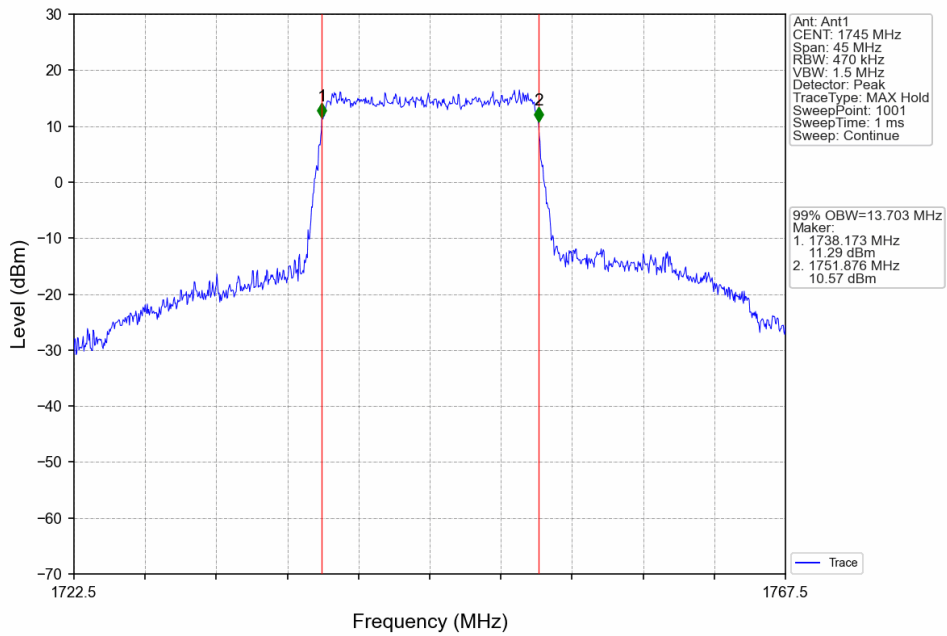
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



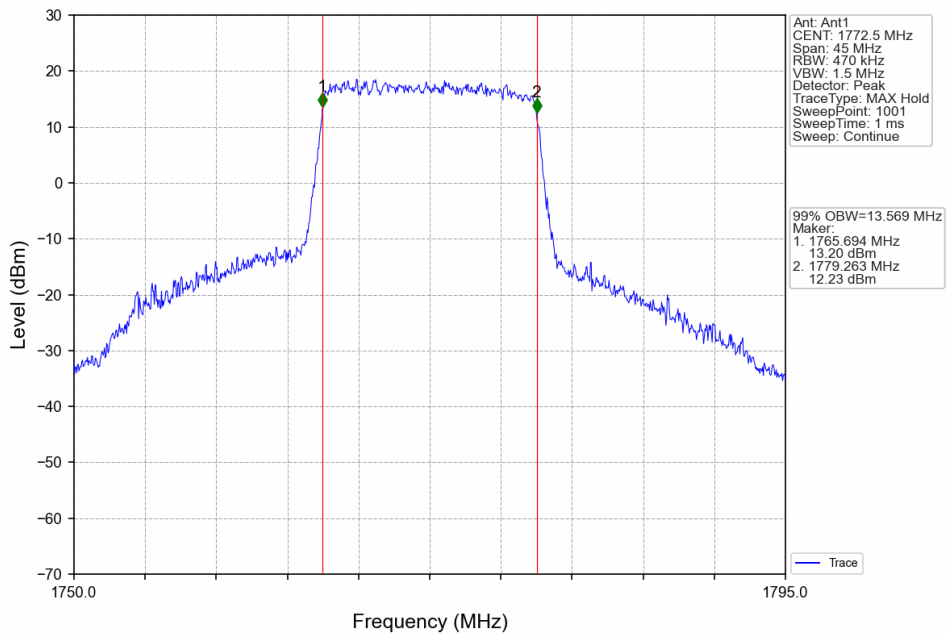
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

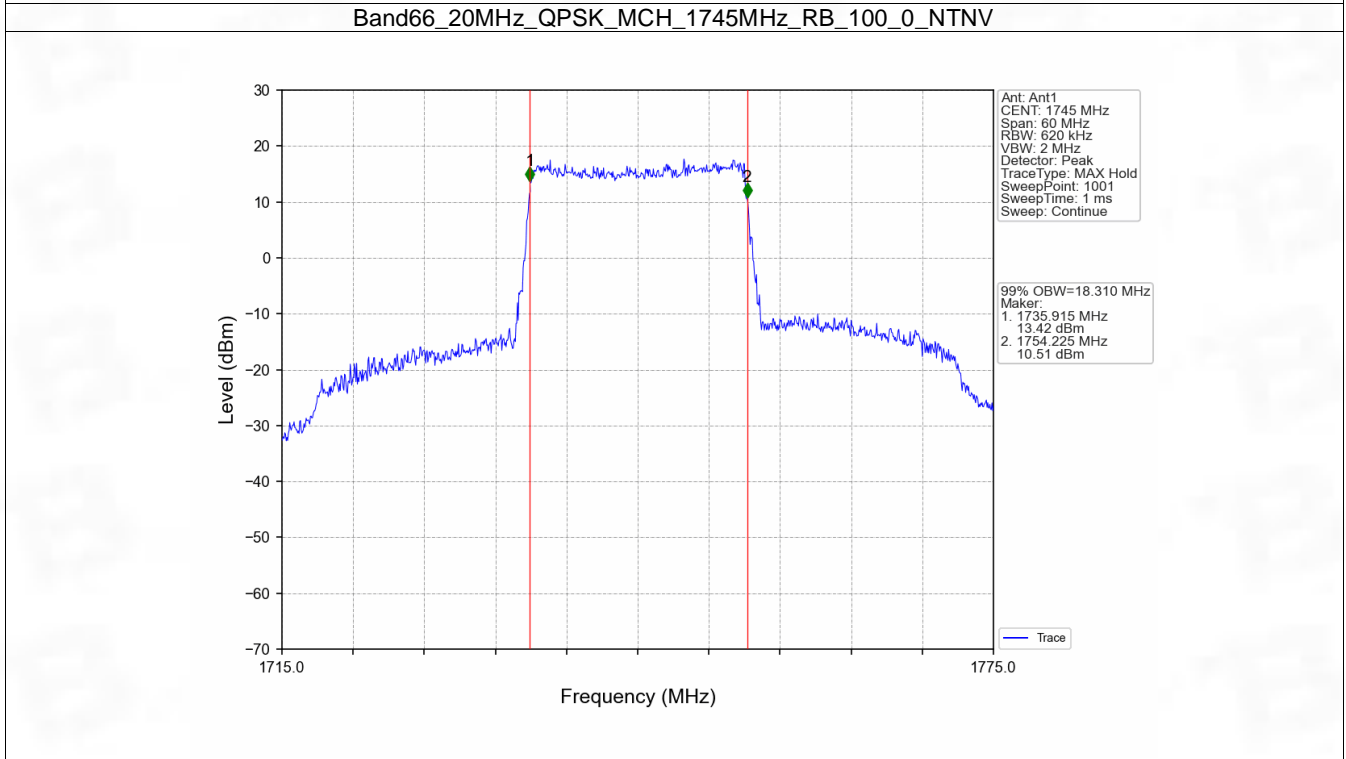
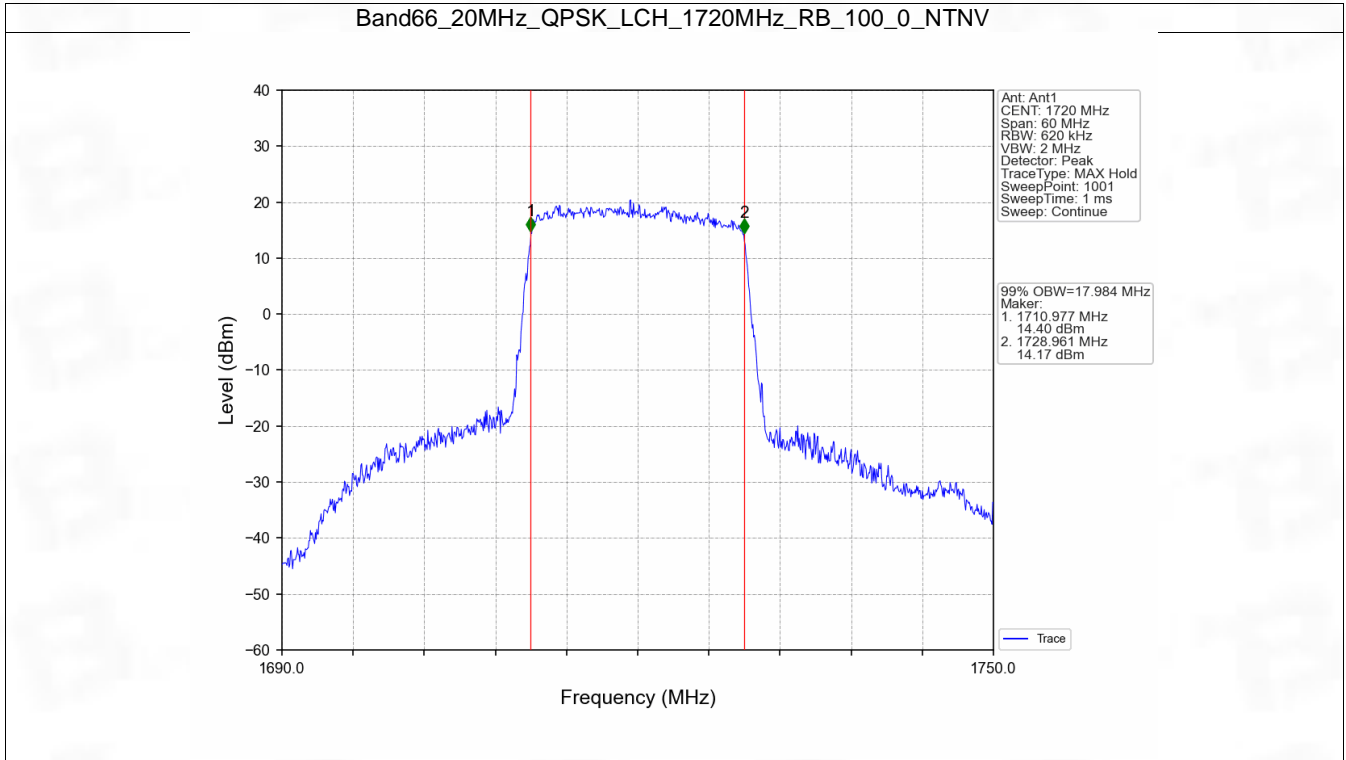


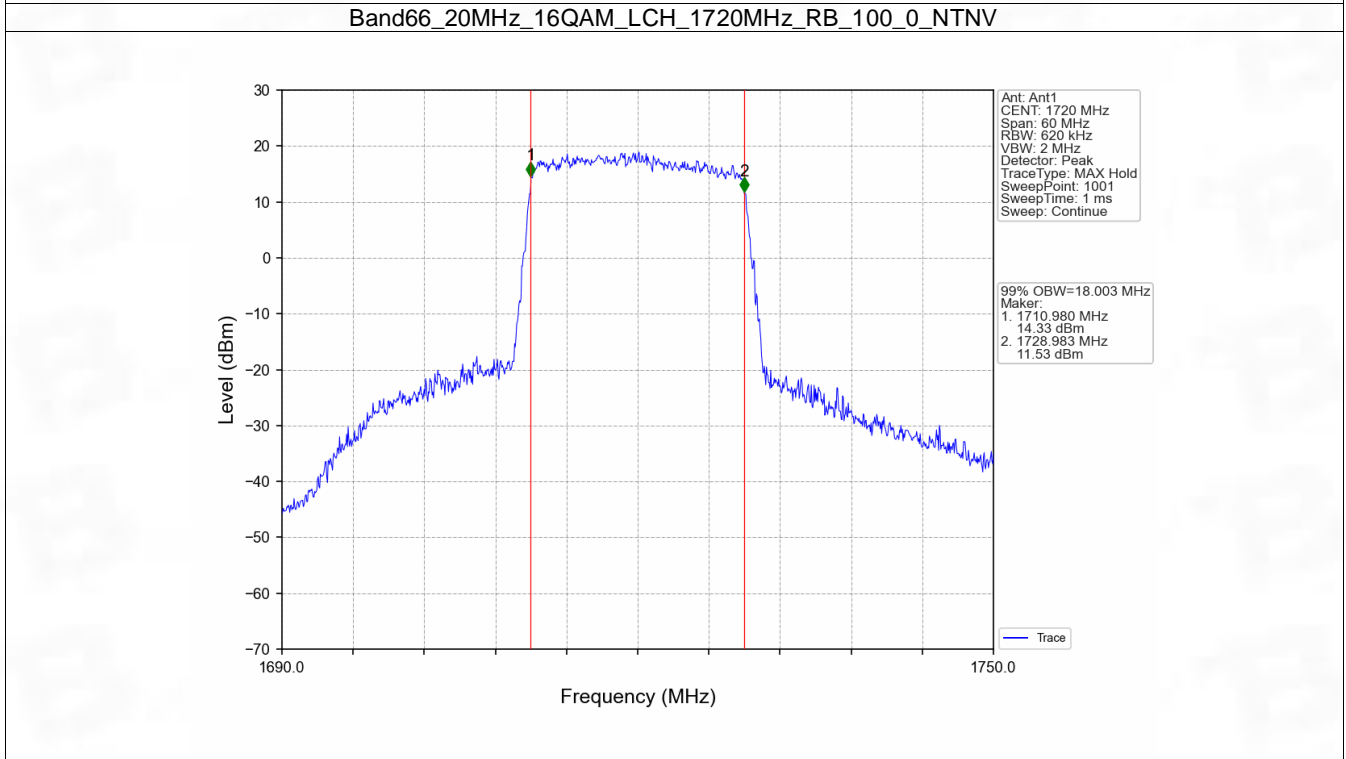
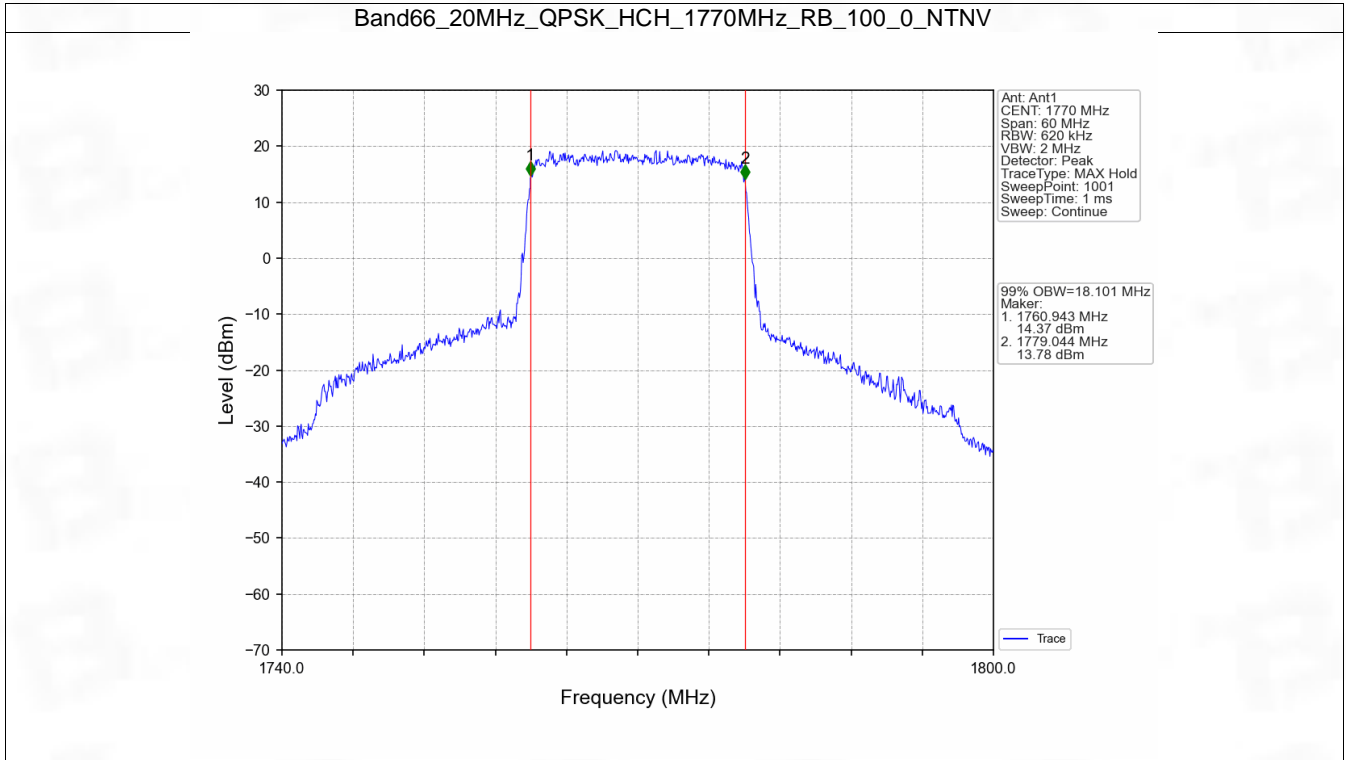
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



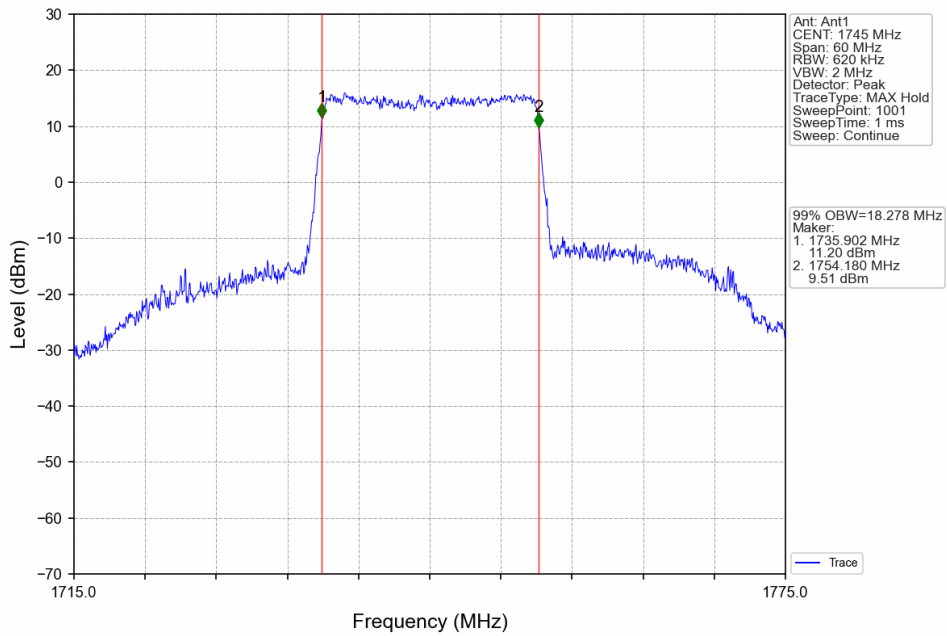
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



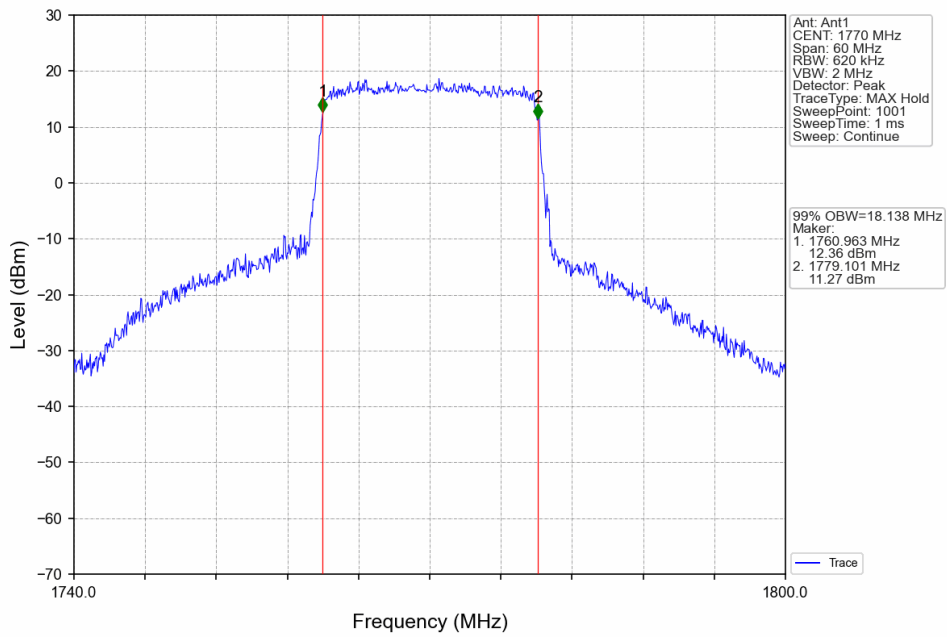




Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

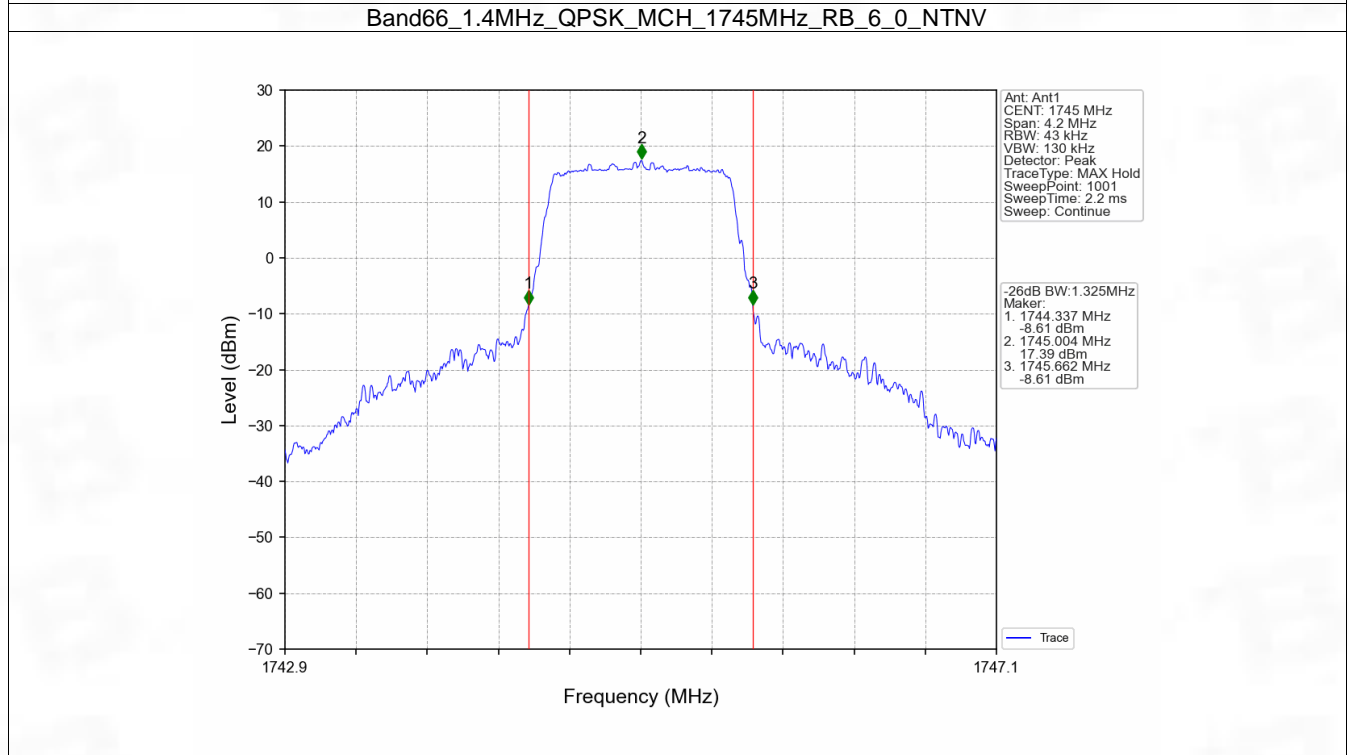
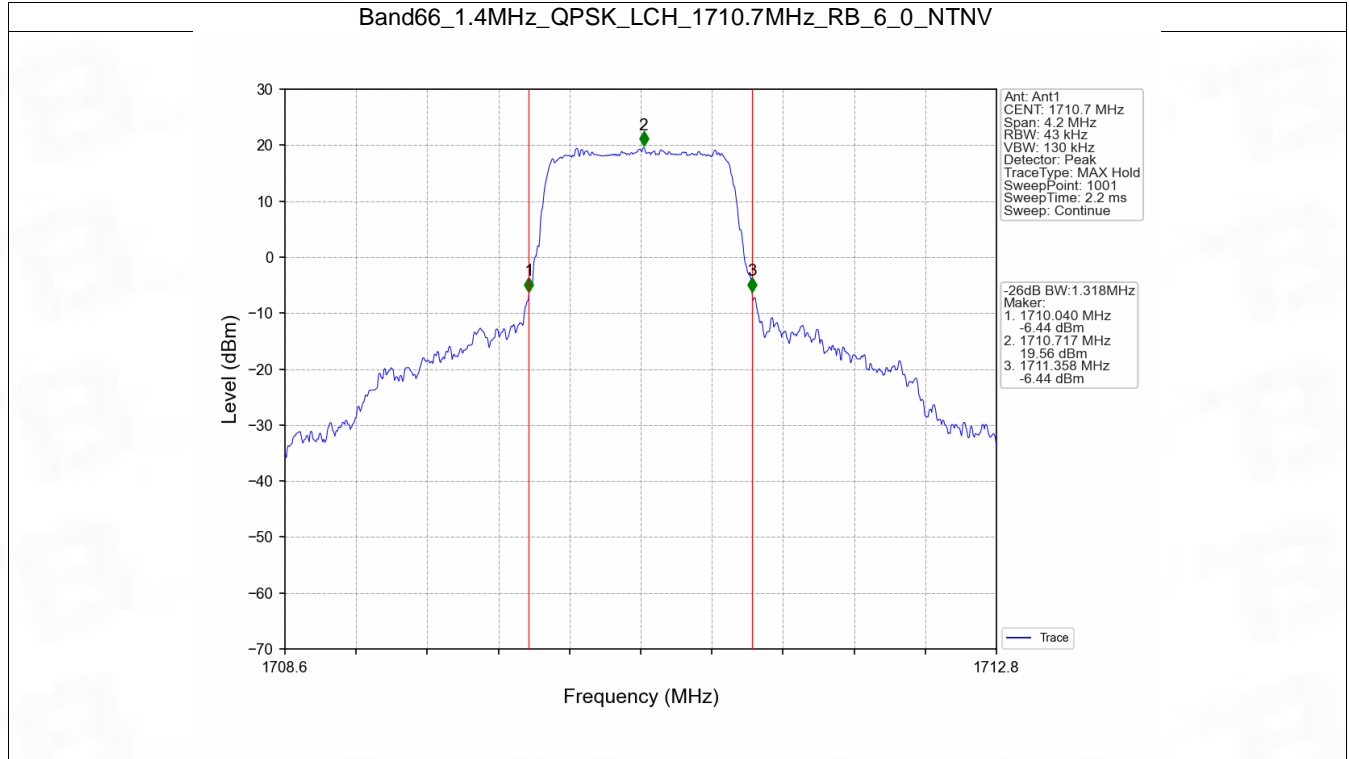


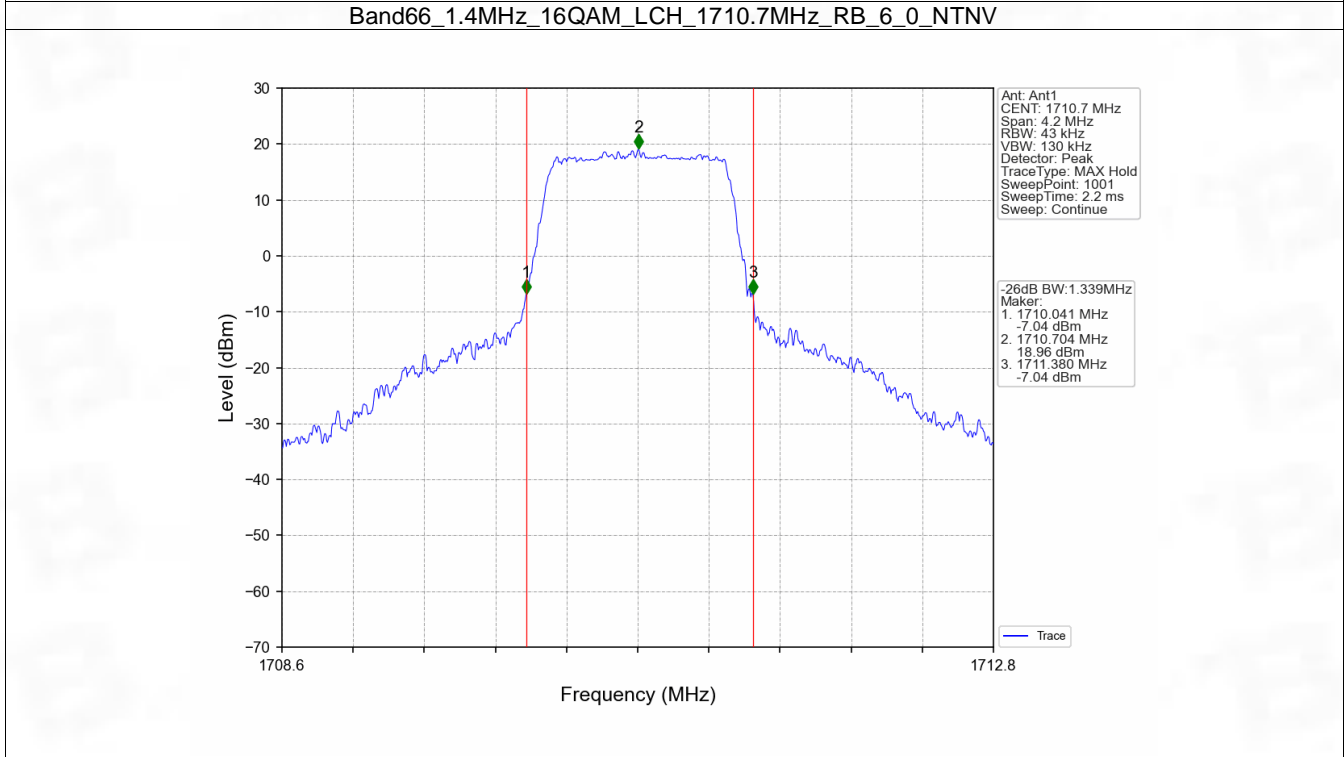
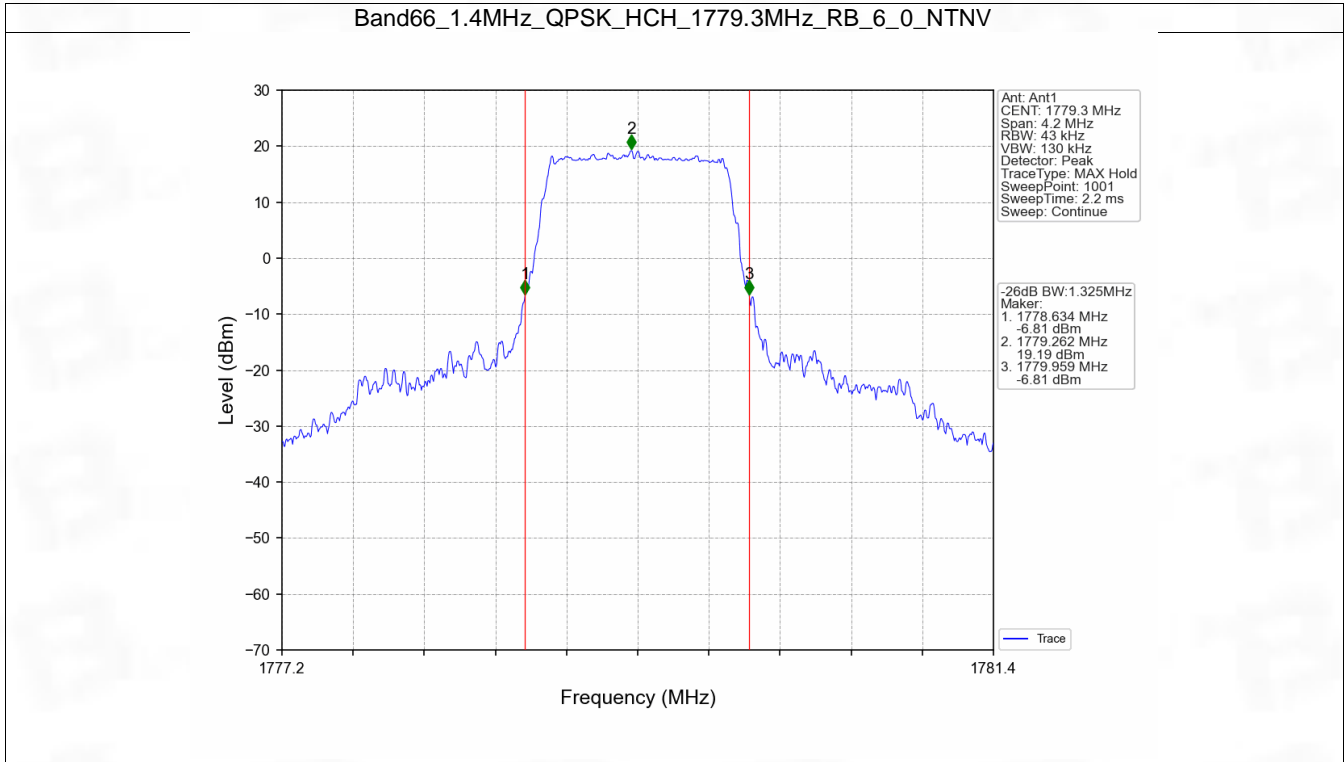
4.2 Band66_XDB

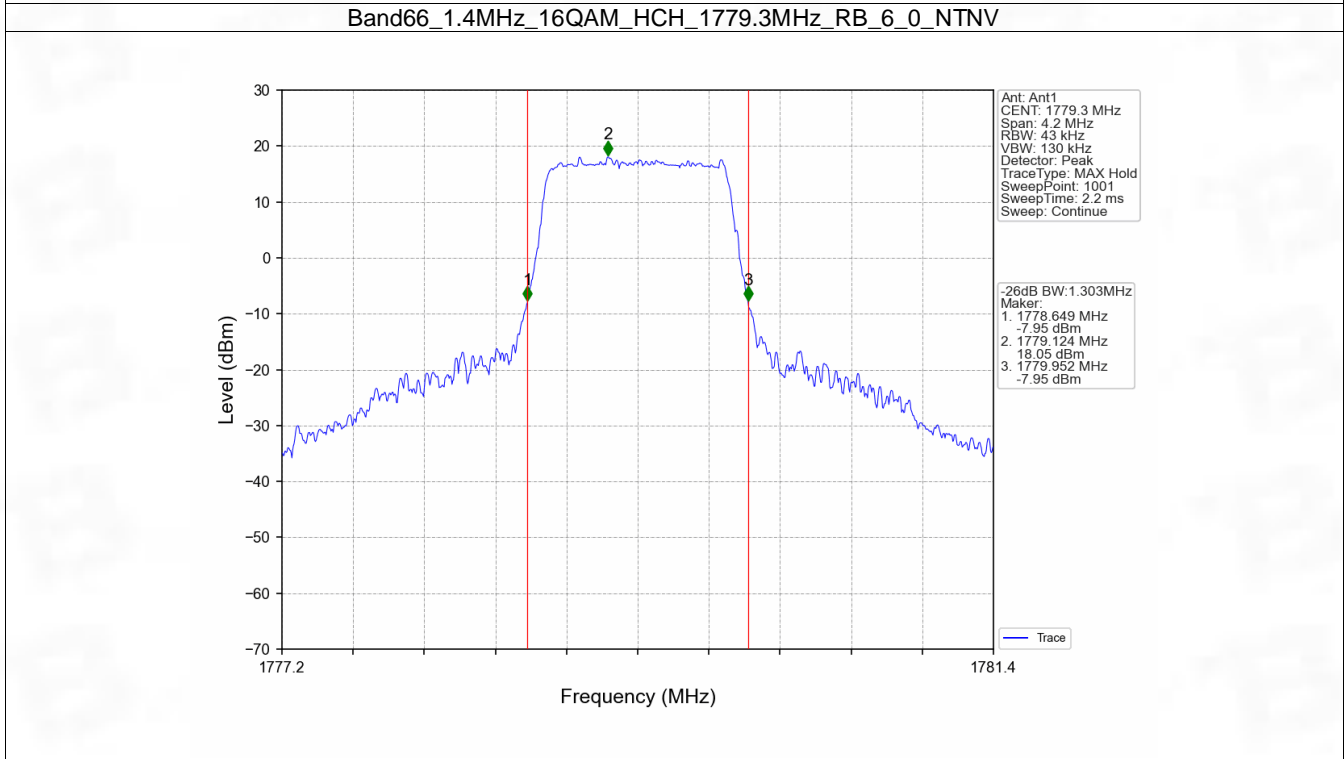
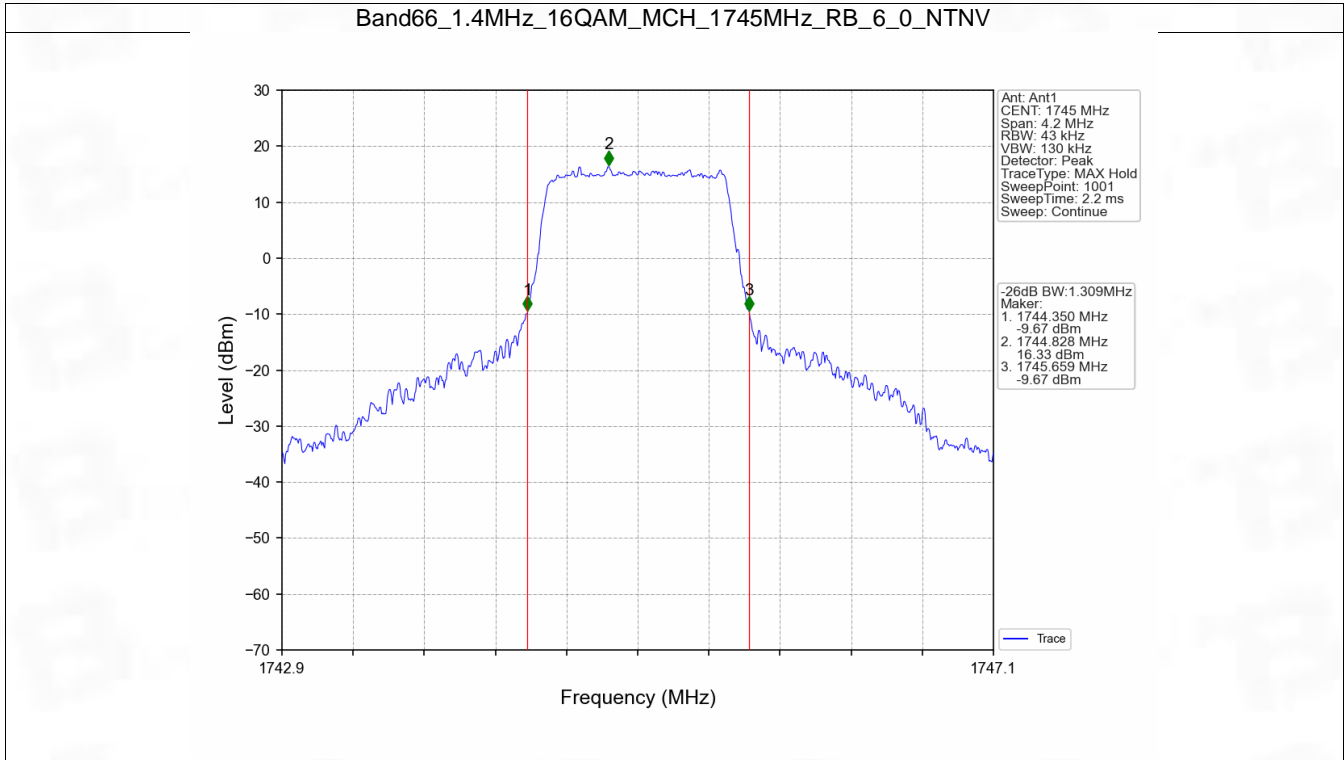
4.2.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.318	Pass
		1745	6	0	1.325	Pass
		1779.3	6	0	1.325	Pass
	16QAM	1710.7	6	0	1.339	Pass
		1745	6	0	1.309	Pass
		1779.3	6	0	1.303	Pass
3	QPSK	1711.5	15	0	2.996	Pass
		1745	15	0	2.996	Pass
		1778.5	15	0	3.006	Pass
	16QAM	1711.5	15	0	3.021	Pass
		1745	15	0	2.999	Pass
		1778.5	15	0	2.980	Pass
5	QPSK	1712.5	25	0	5.273	Pass
		1745	25	0	5.227	Pass
		1777.5	25	0	5.263	Pass
	16QAM	1712.5	25	0	5.350	Pass
		1745	25	0	5.216	Pass
		1777.5	25	0	5.222	Pass
10	QPSK	1715	50	0	10.124	Pass
		1745	50	0	10.341	Pass
		1775	50	0	10.271	Pass
	16QAM	1715	50	0	10.202	Pass
		1745	50	0	10.272	Pass
		1775	50	0	10.134	Pass
15	QPSK	1717.5	75	0	15.137	Pass
		1745	75	0	15.505	Pass
		1772.5	75	0	15.447	Pass
	16QAM	1717.5	75	0	15.230	Pass
		1745	75	0	15.494	Pass
		1772.5	75	0	15.249	Pass
20	QPSK	1720	100	0	19.821	Pass
		1745	100	0	20.453	Pass
		1770	100	0	20.083	Pass
	16QAM	1720	100	0	19.920	Pass
		1745	100	0	21.326	Pass
		1770	100	0	20.182	Pass

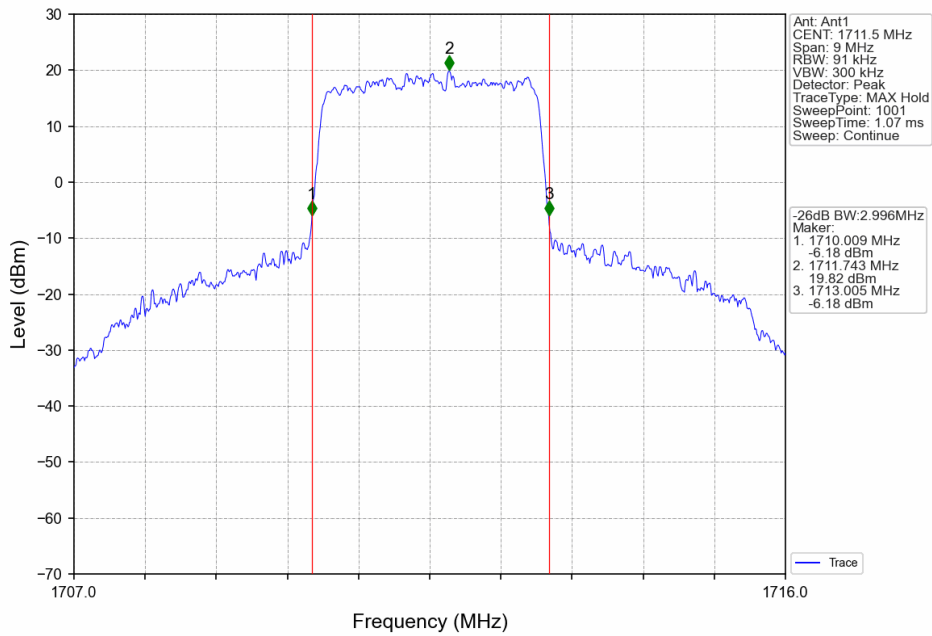
4.2.2 Test Graph



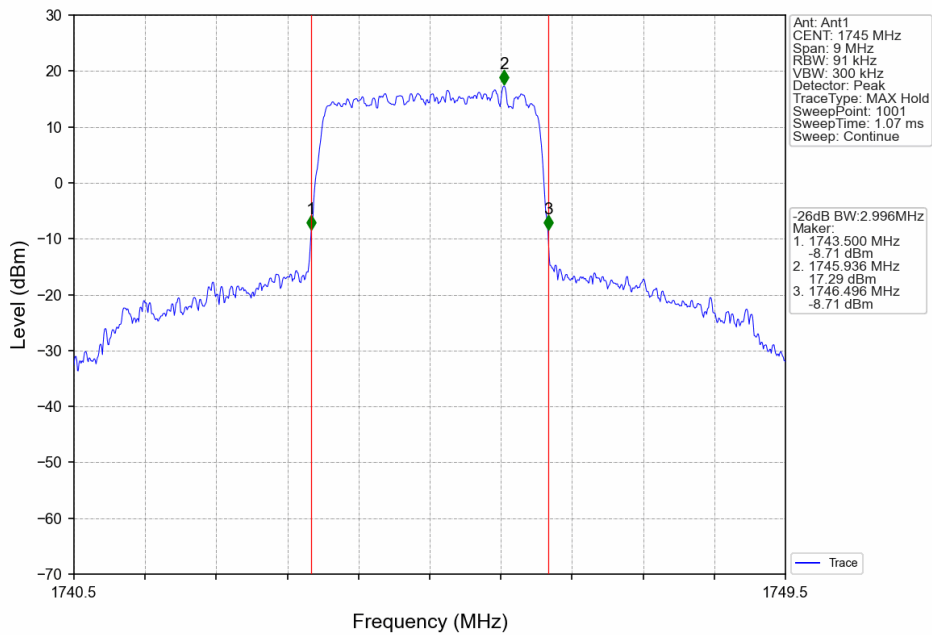




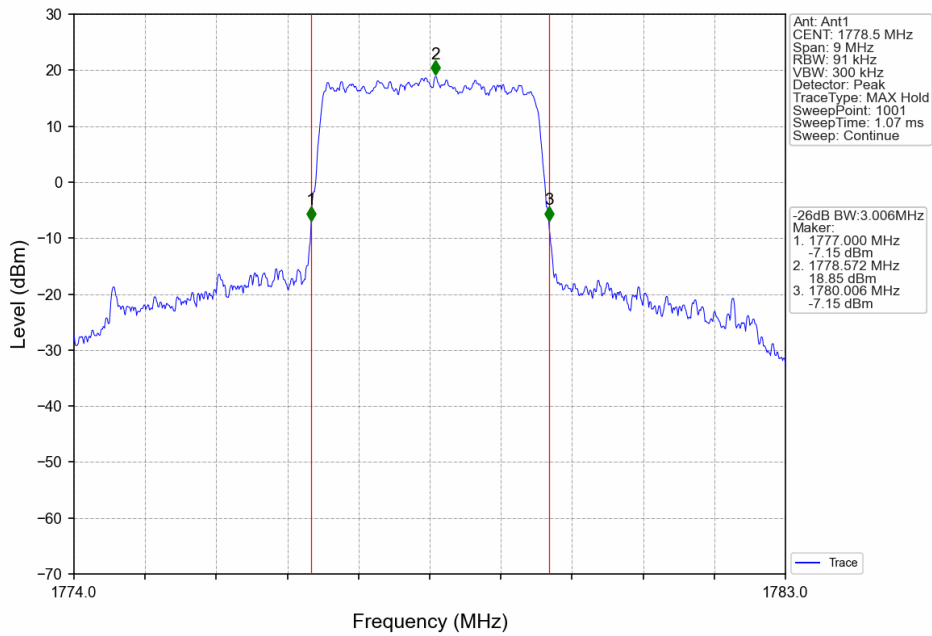
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



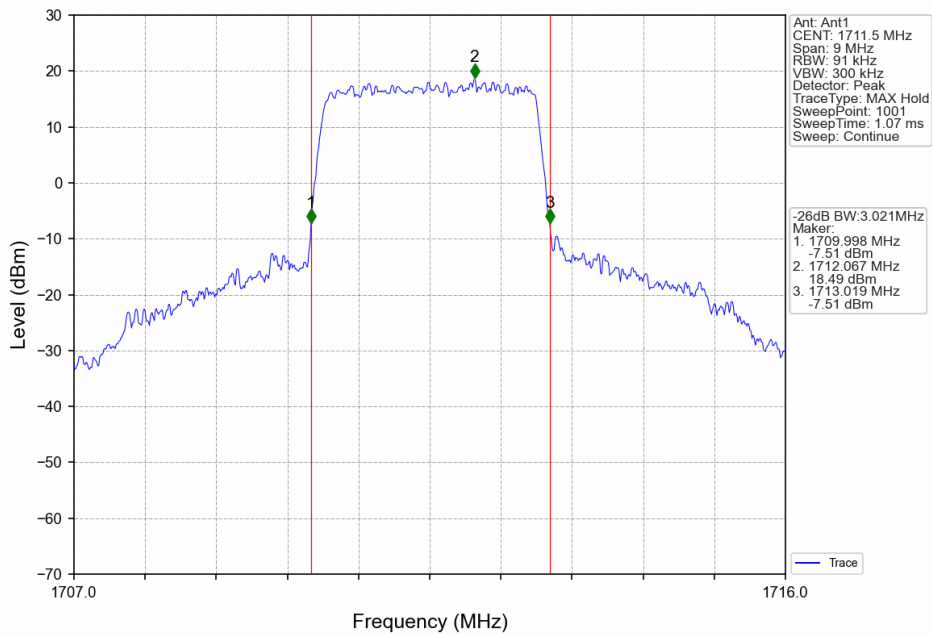
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



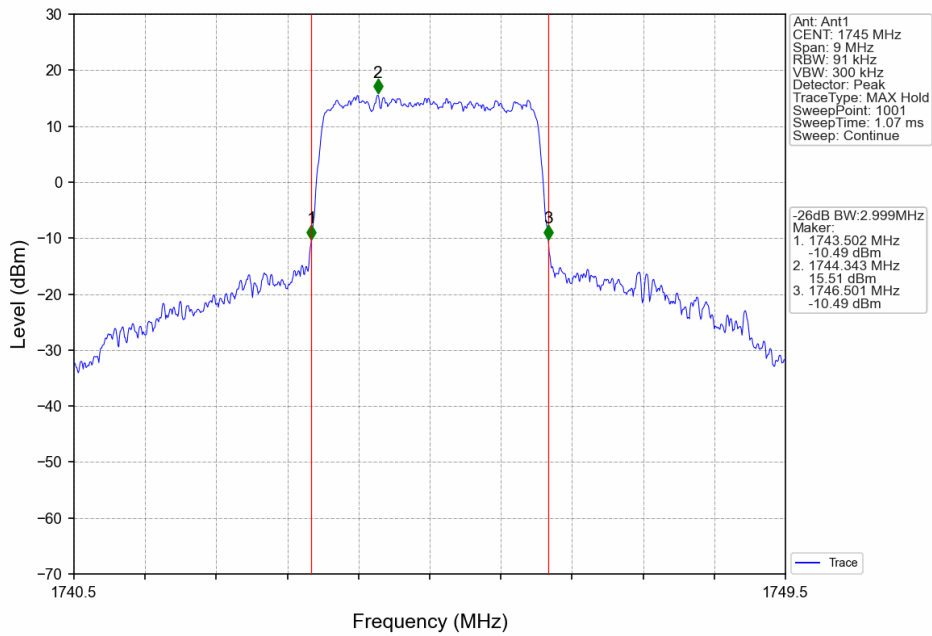
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



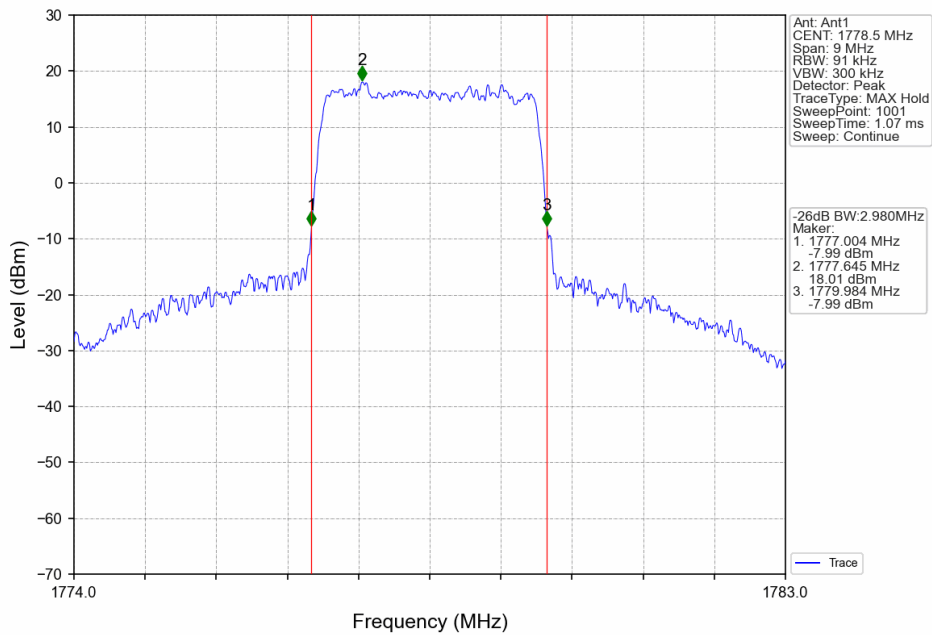
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



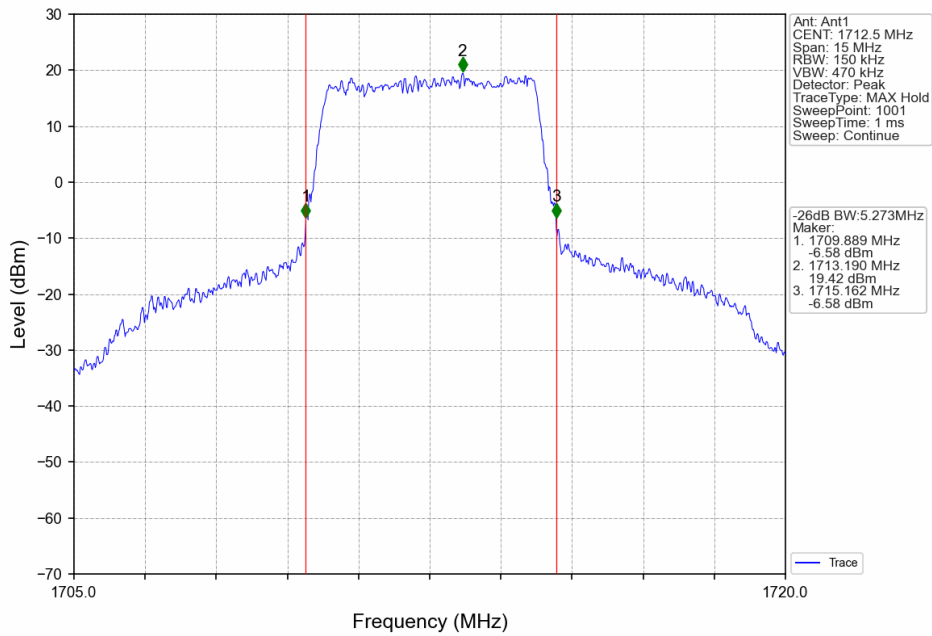
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



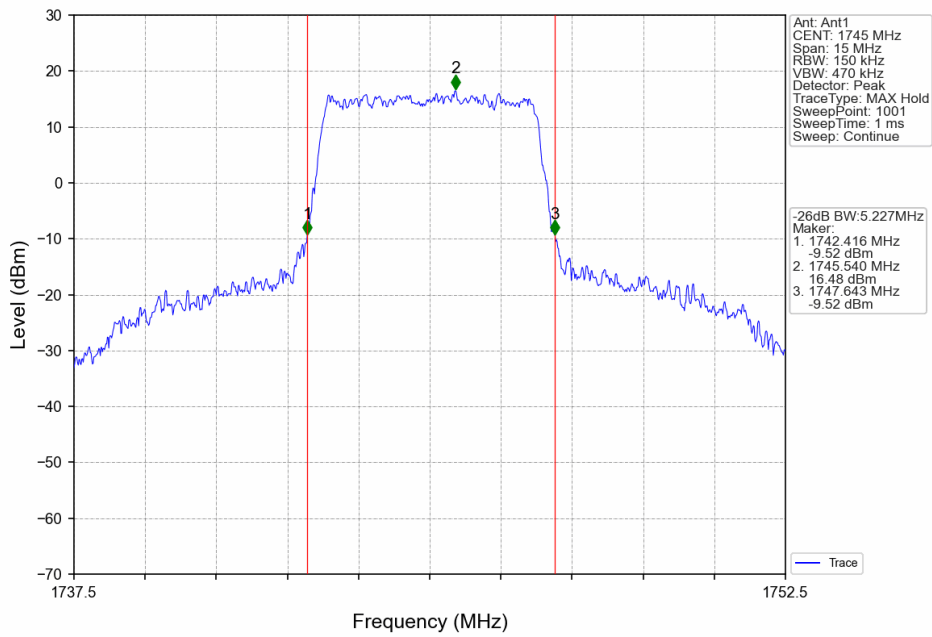
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



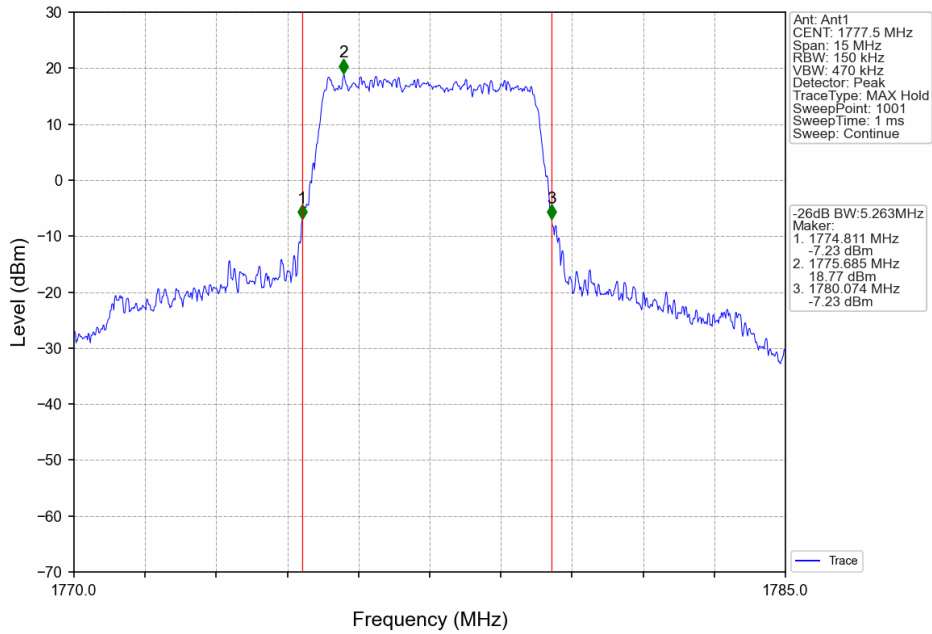
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



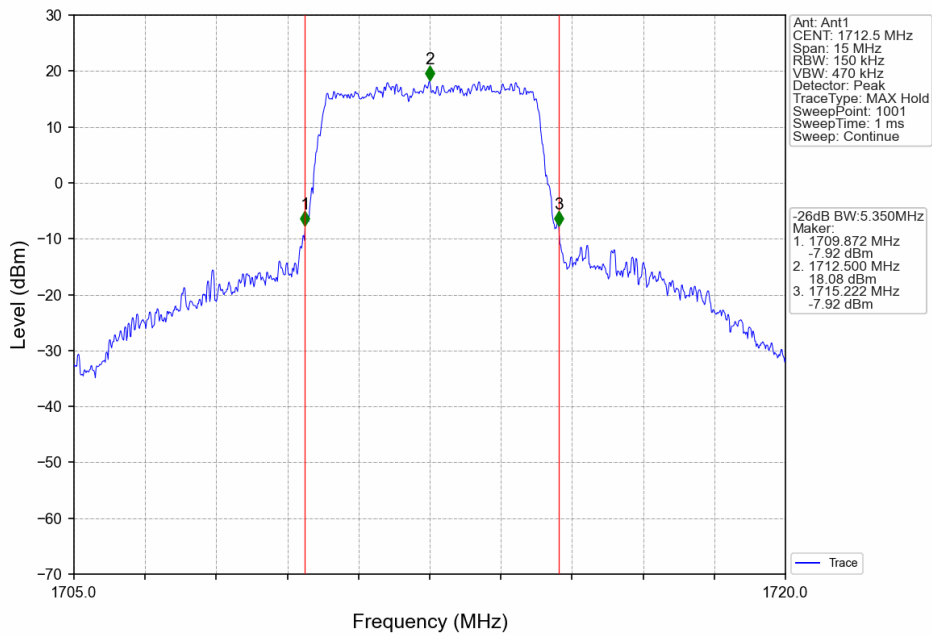
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



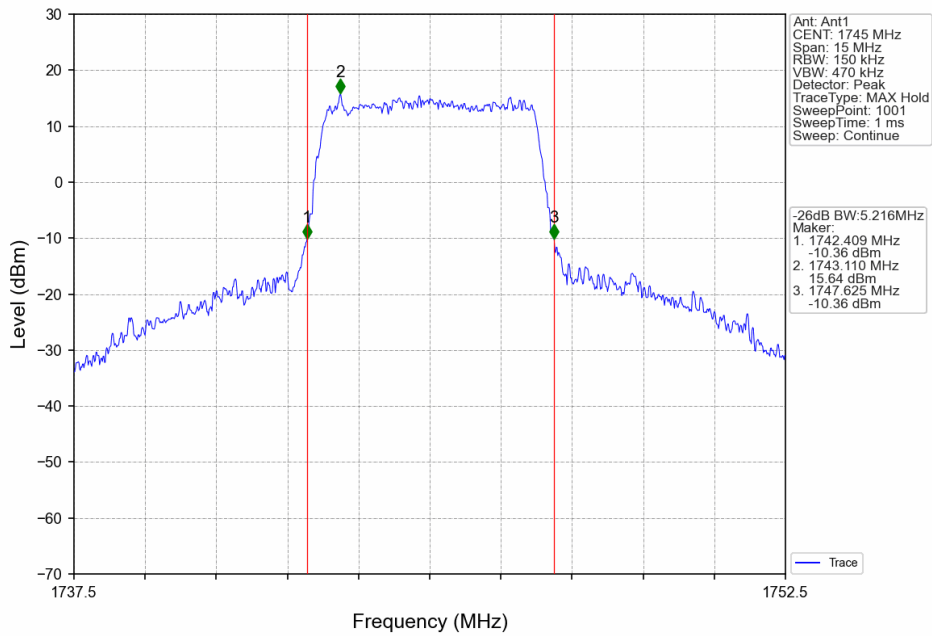
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



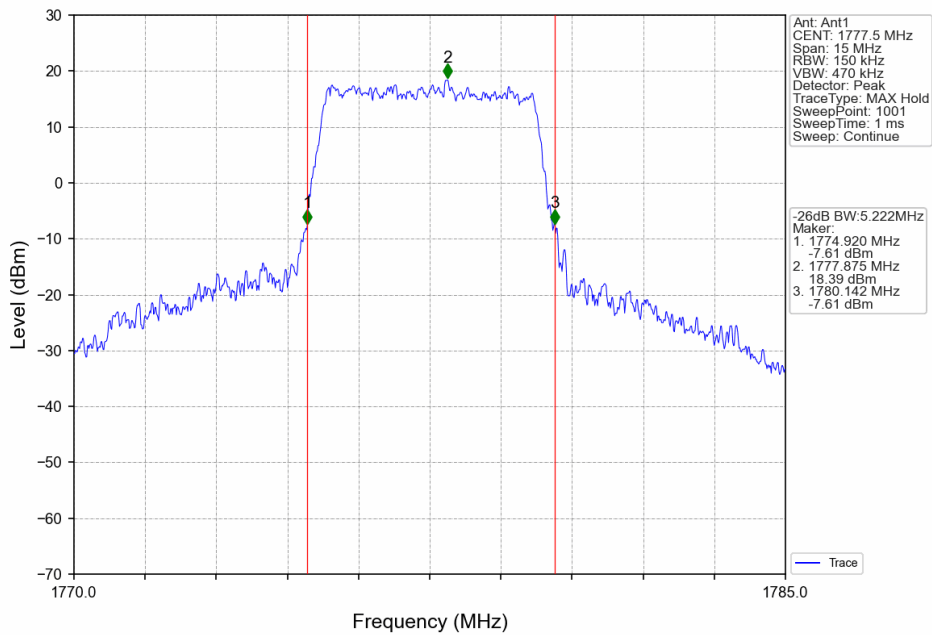
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



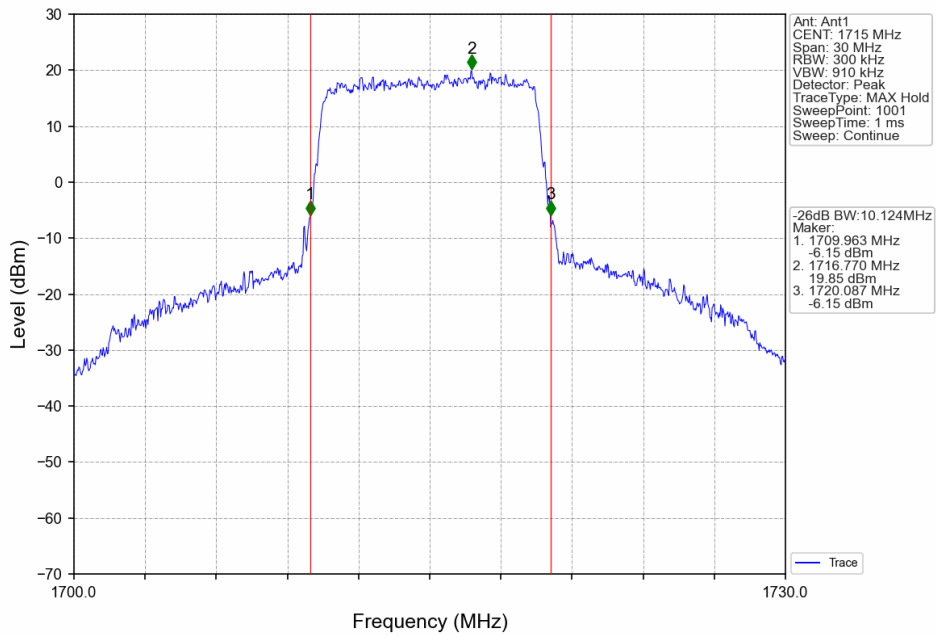
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



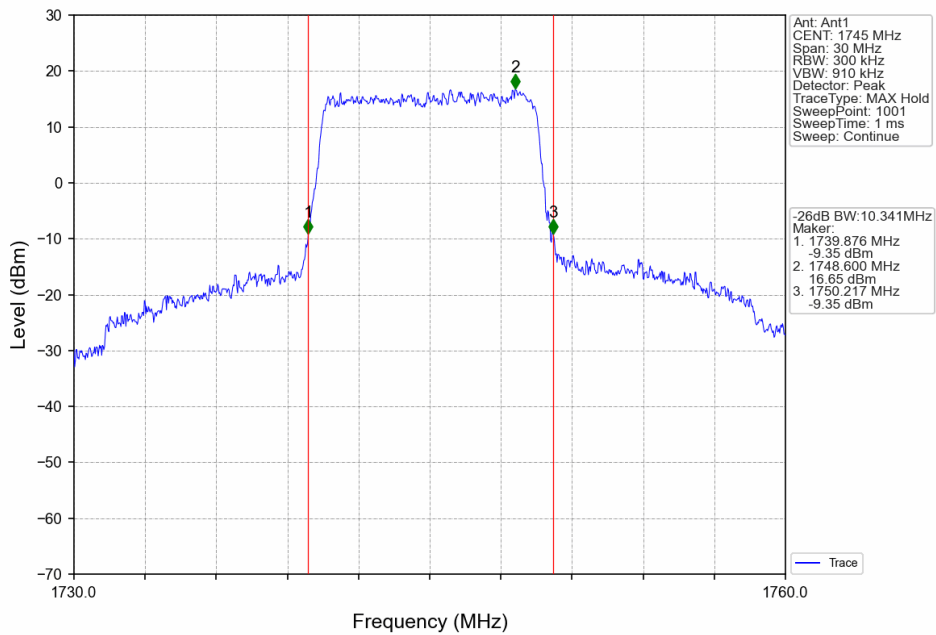
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



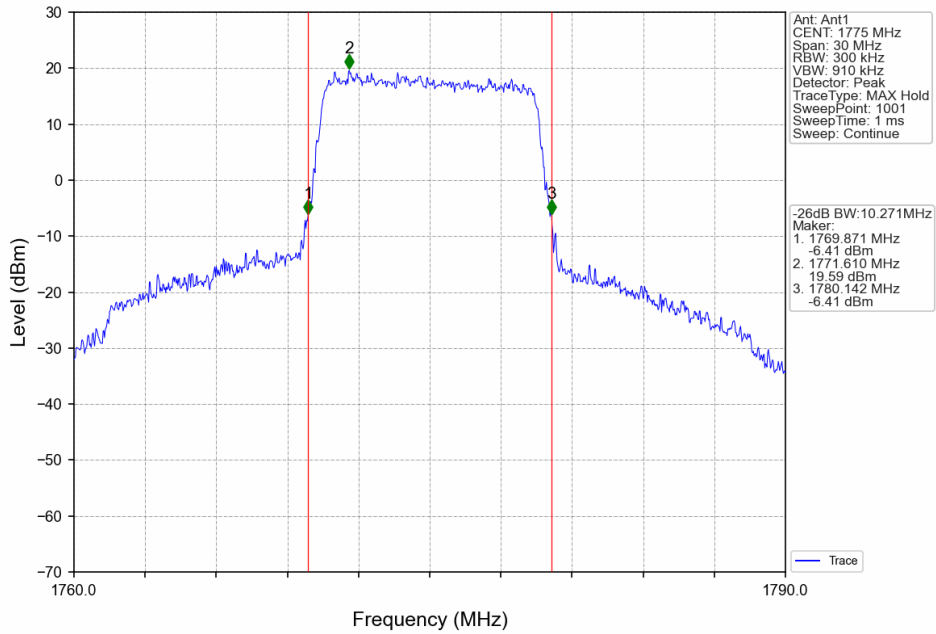
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



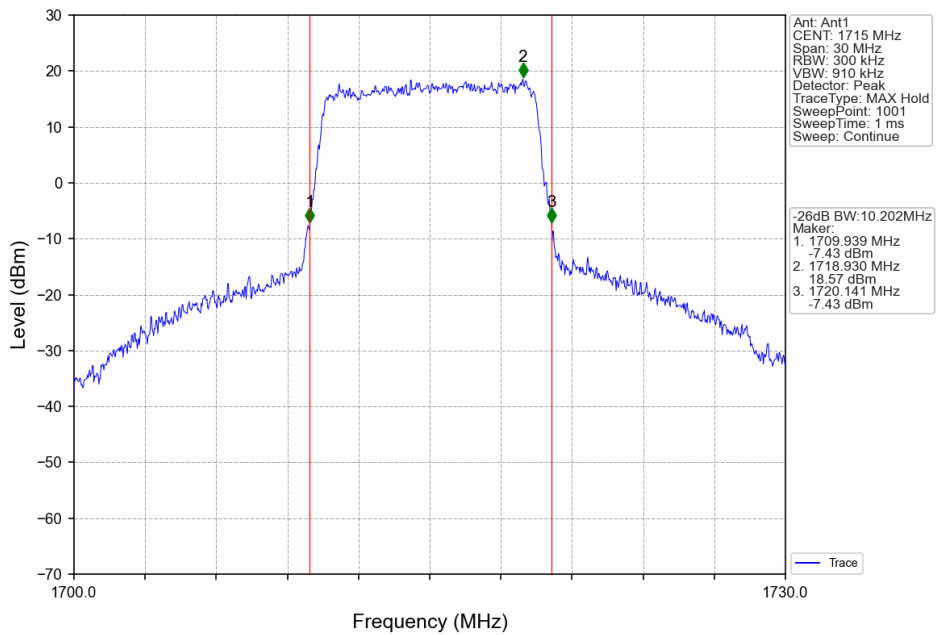
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



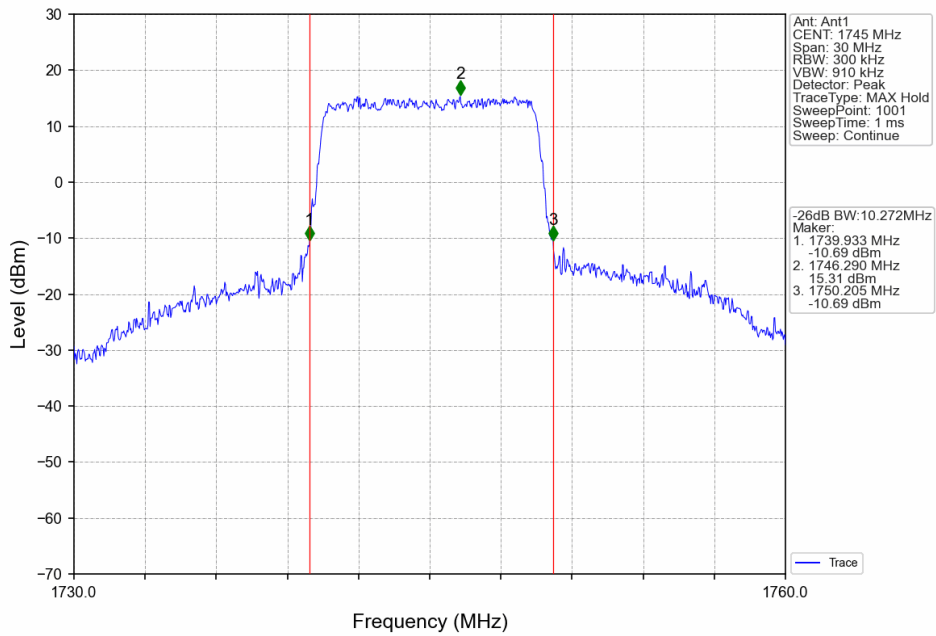
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



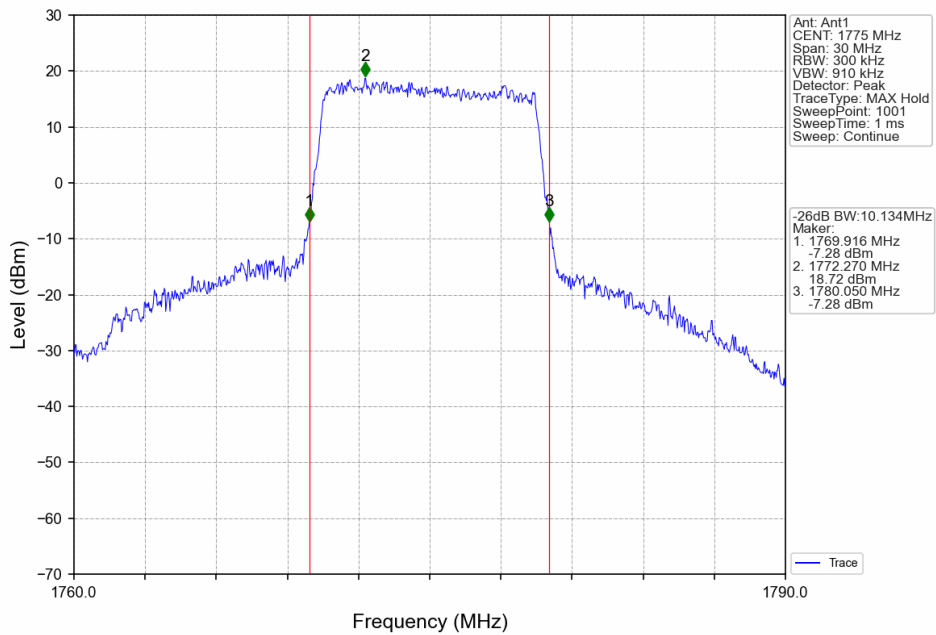
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



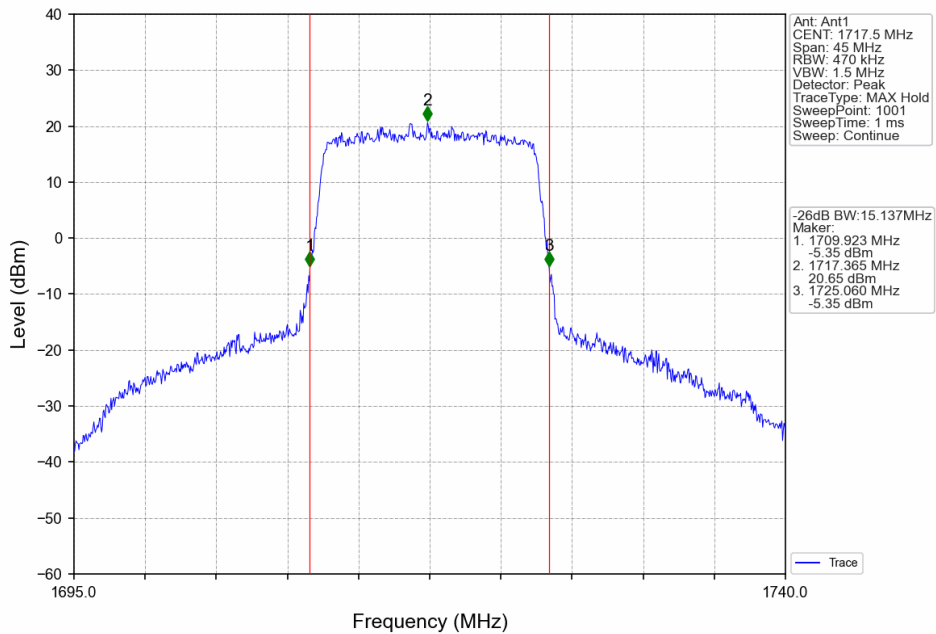
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



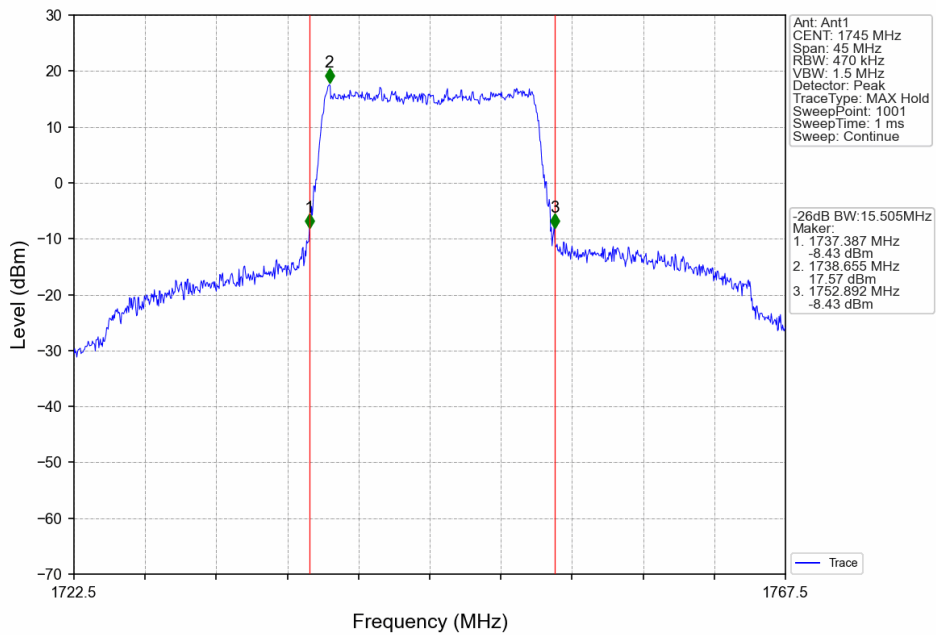
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



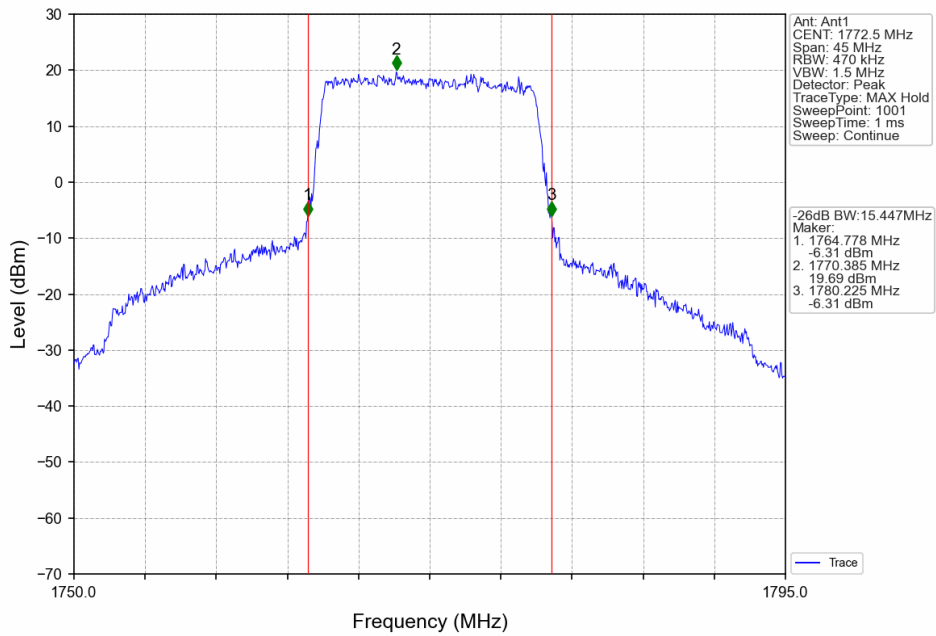
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



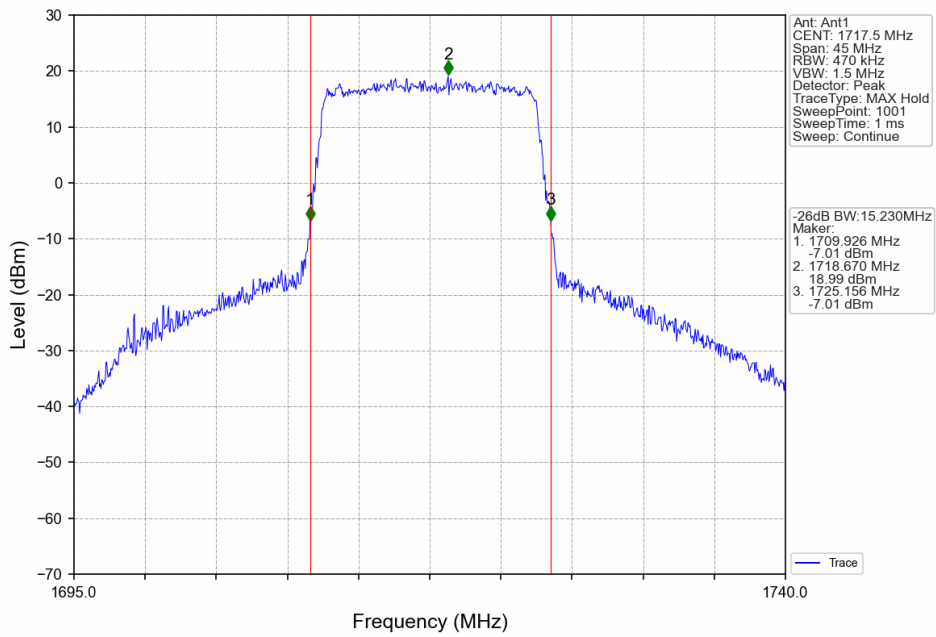
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



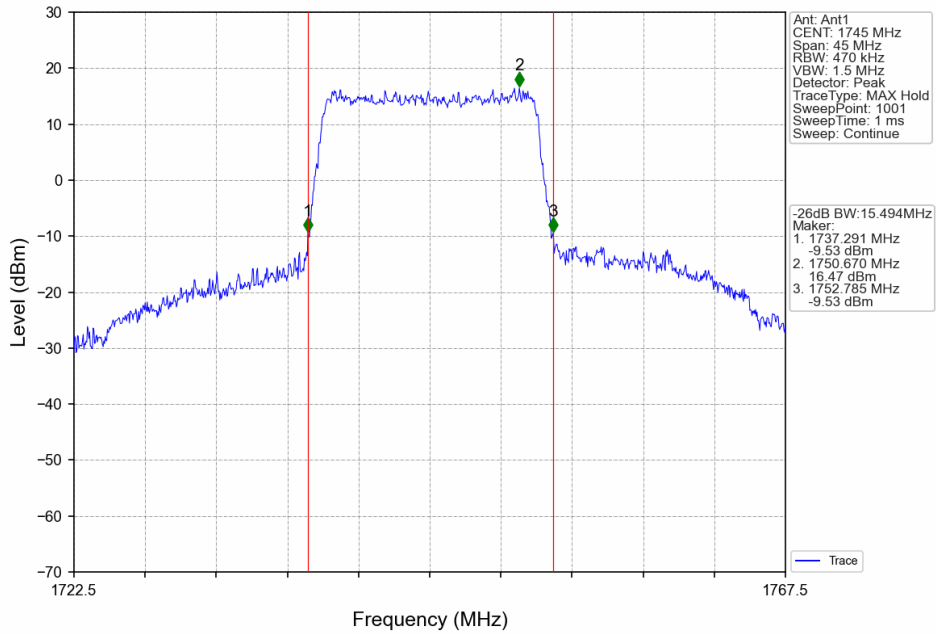
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



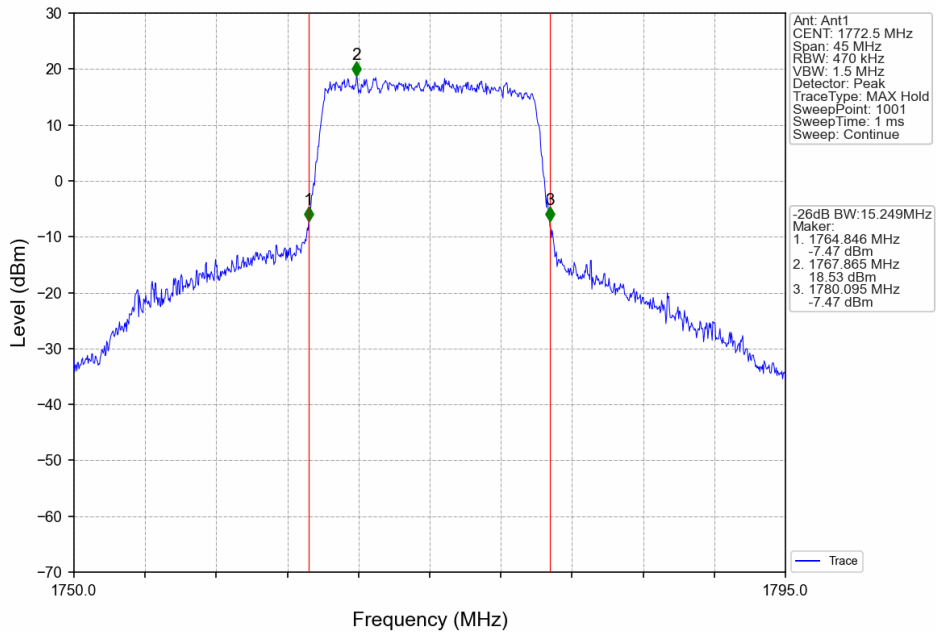
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

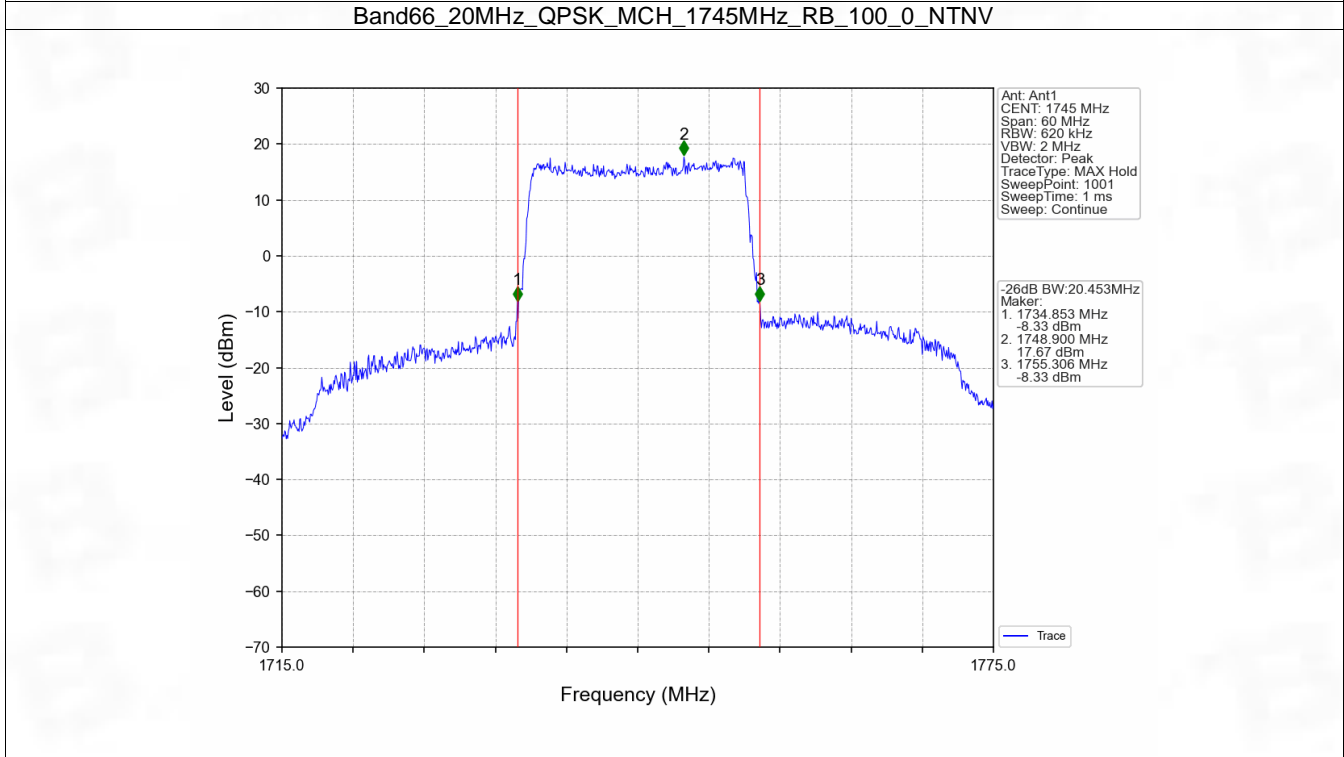
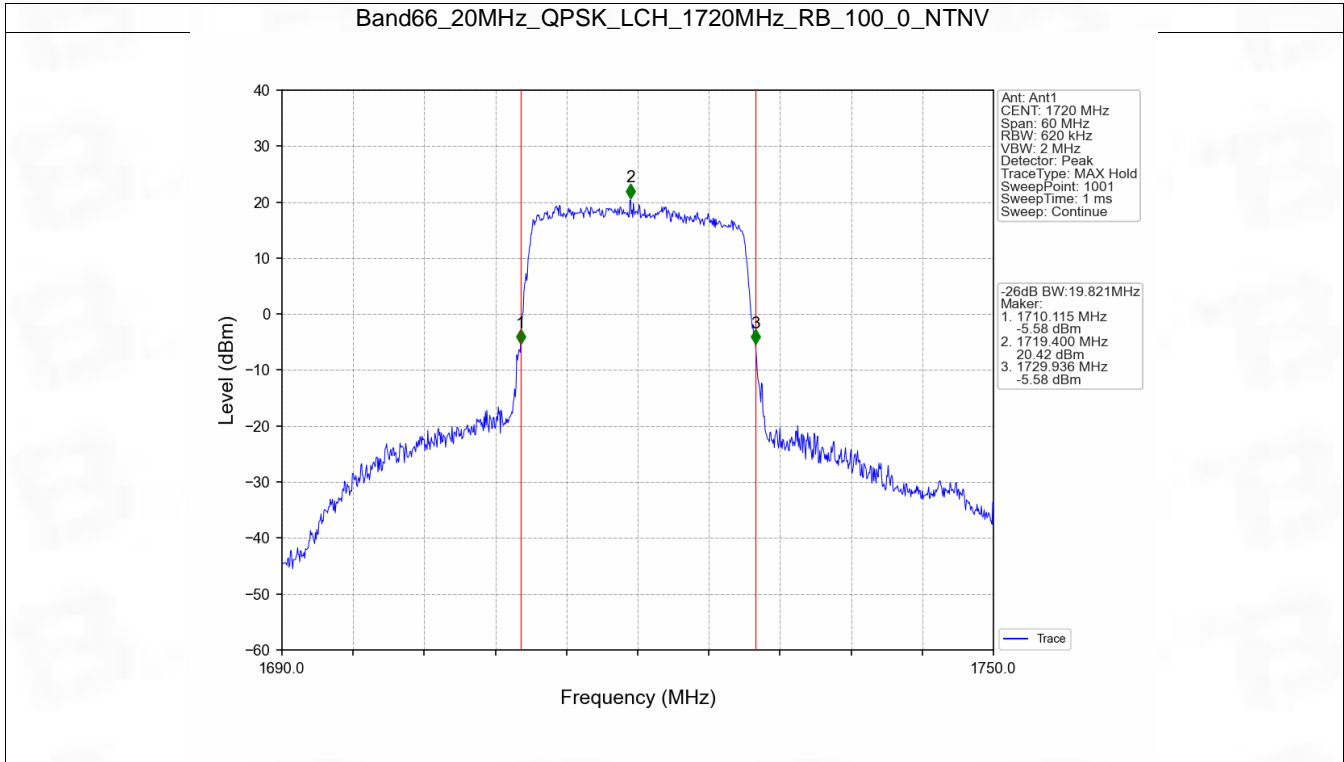


Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV

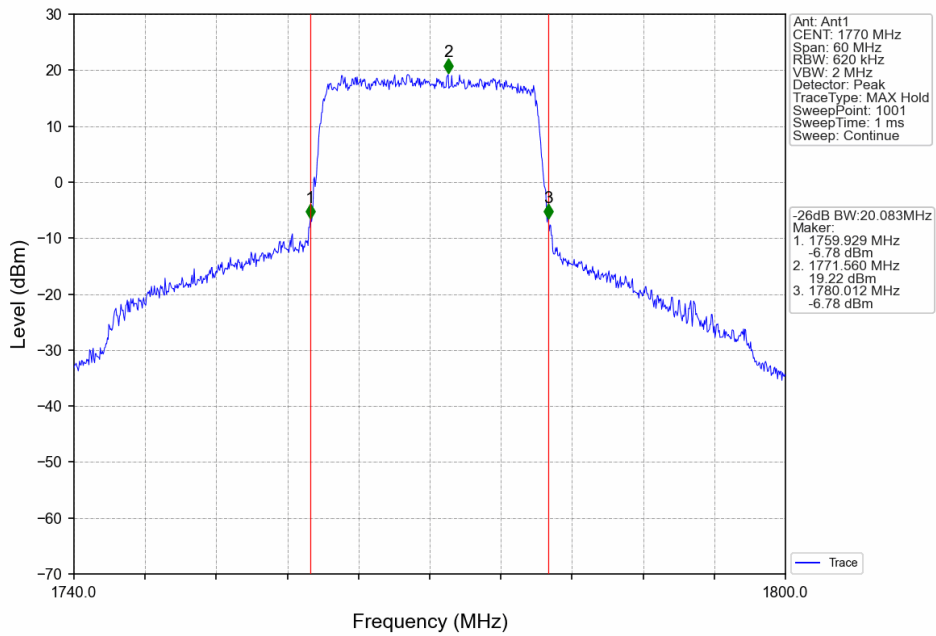


Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV

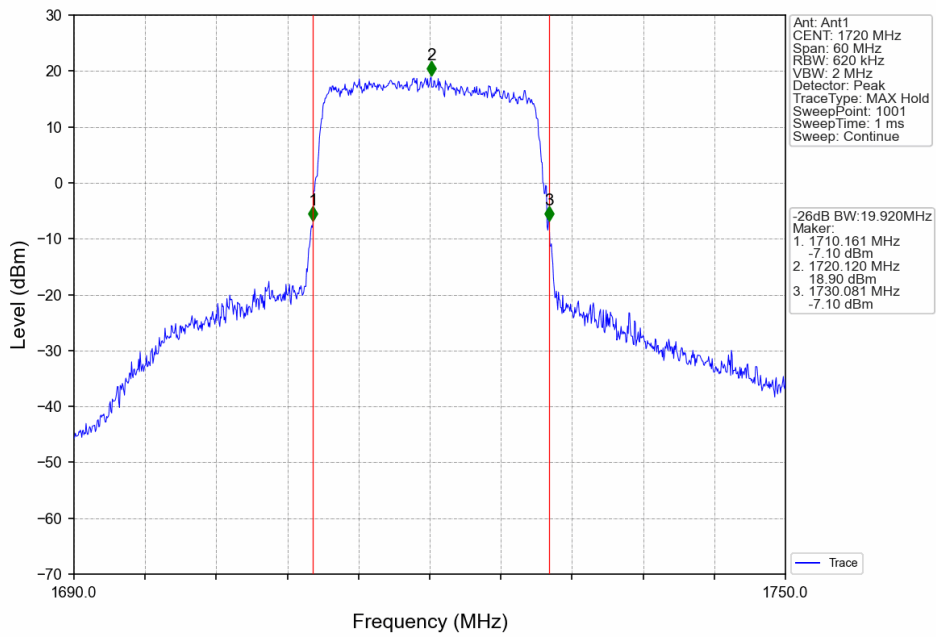




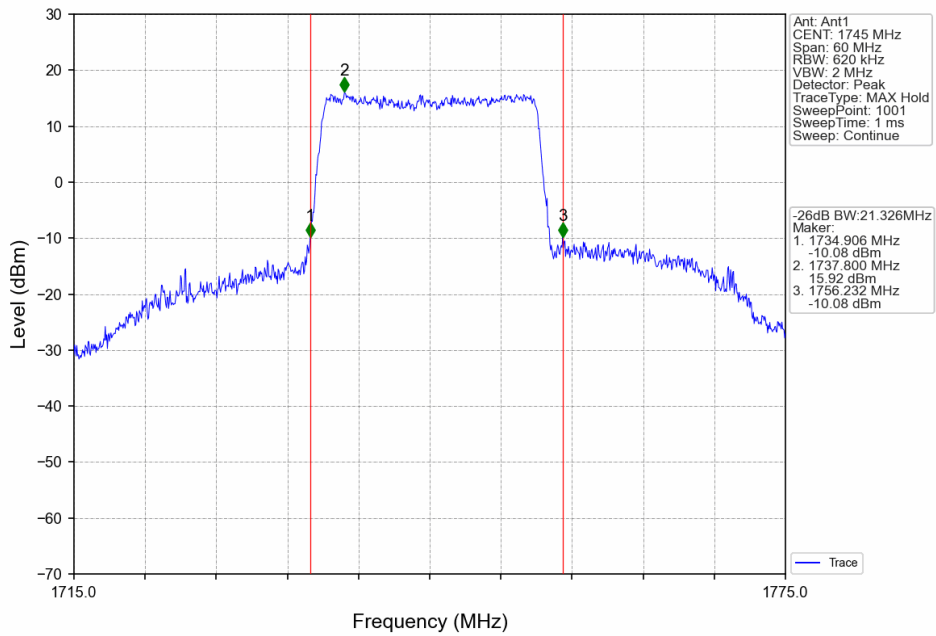
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



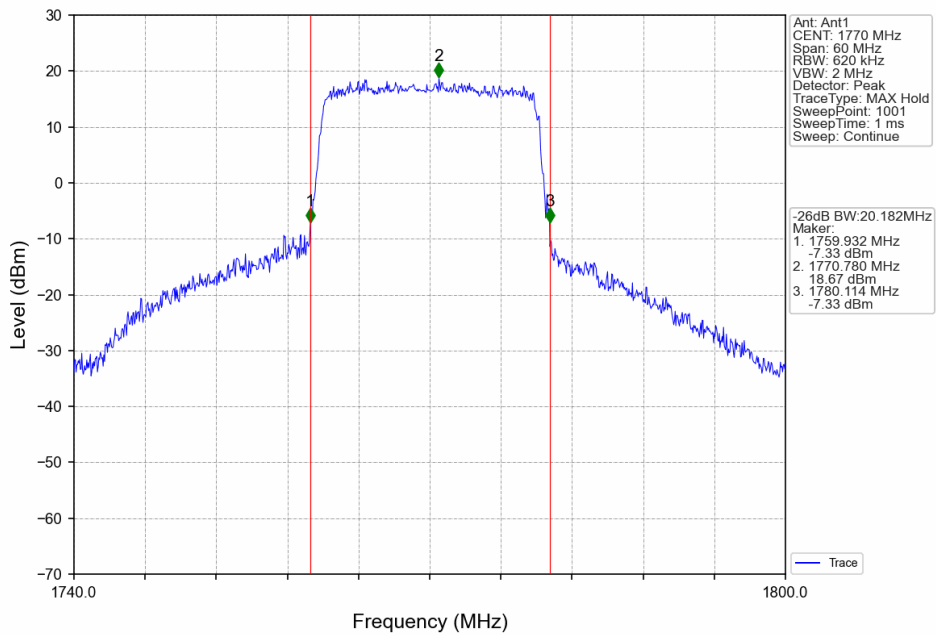
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV





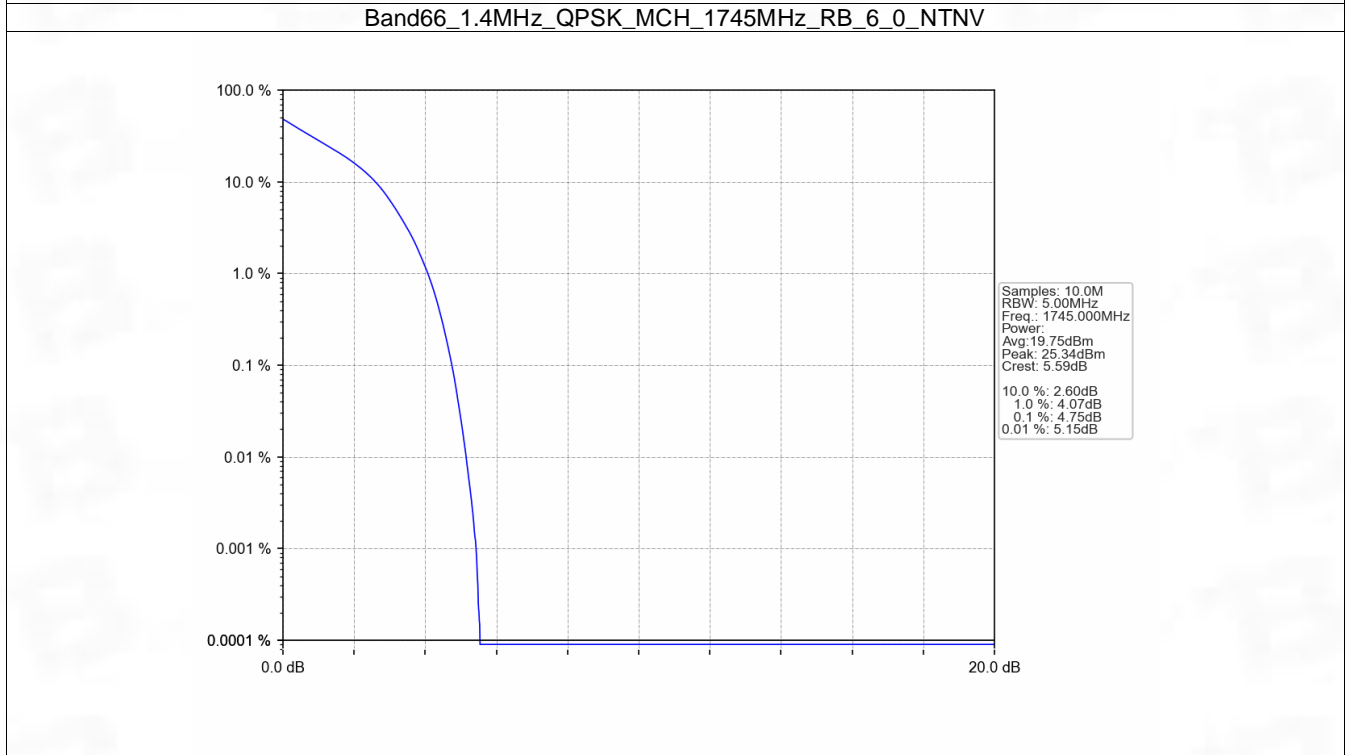
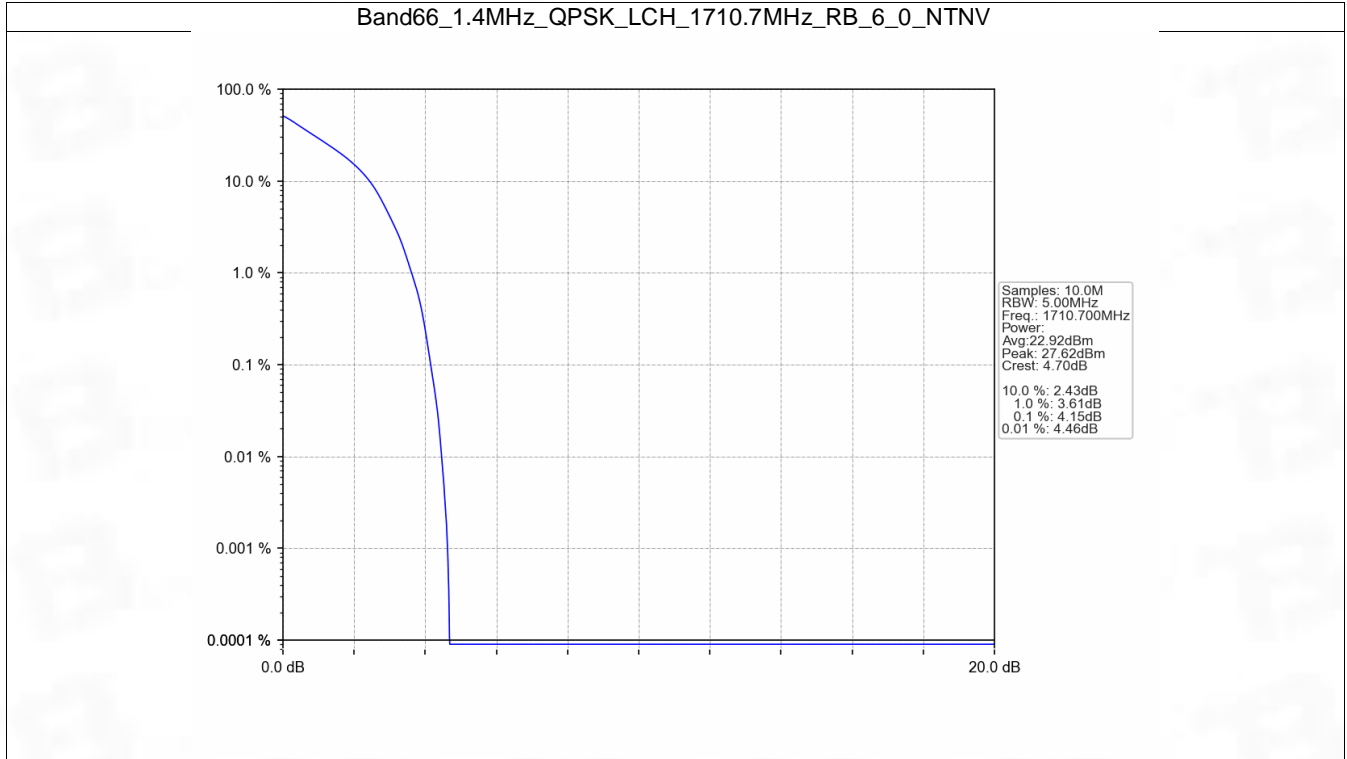
5. Peak-Average Ratio

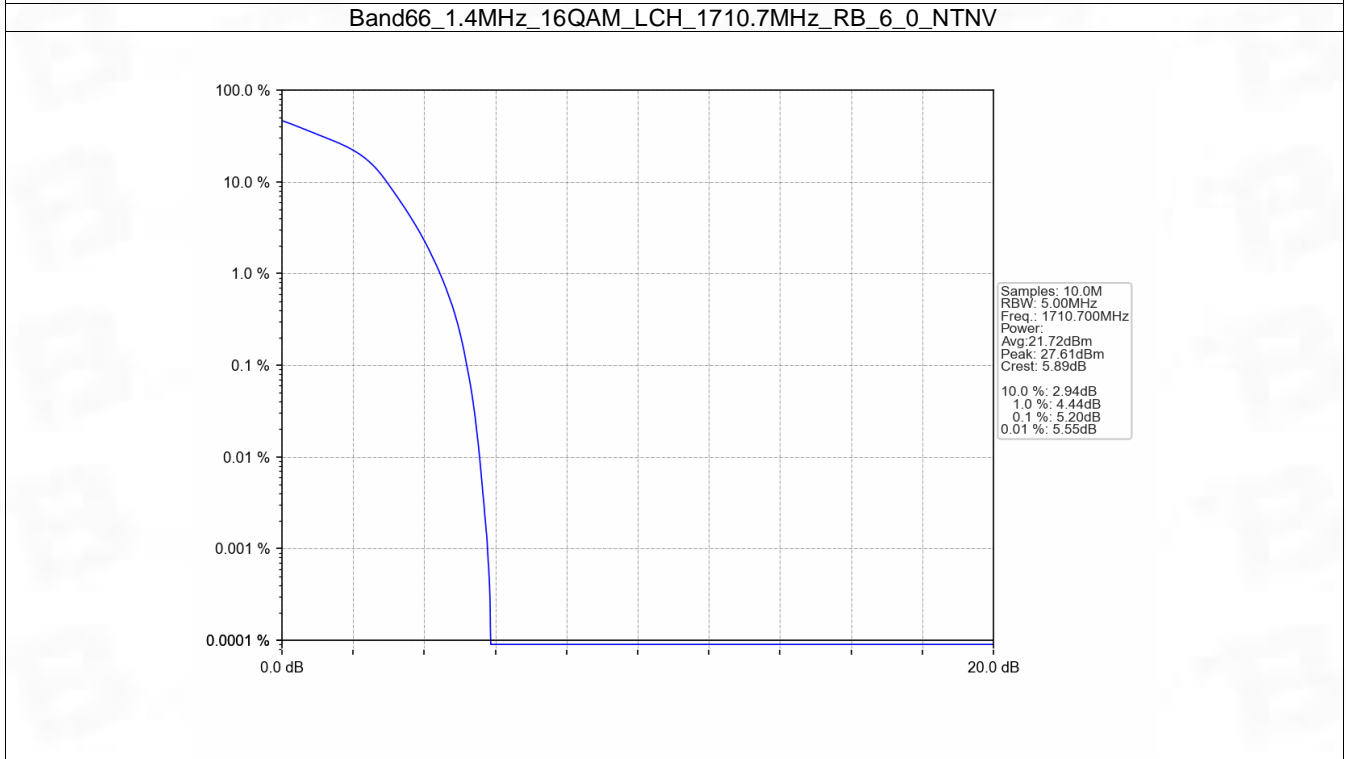
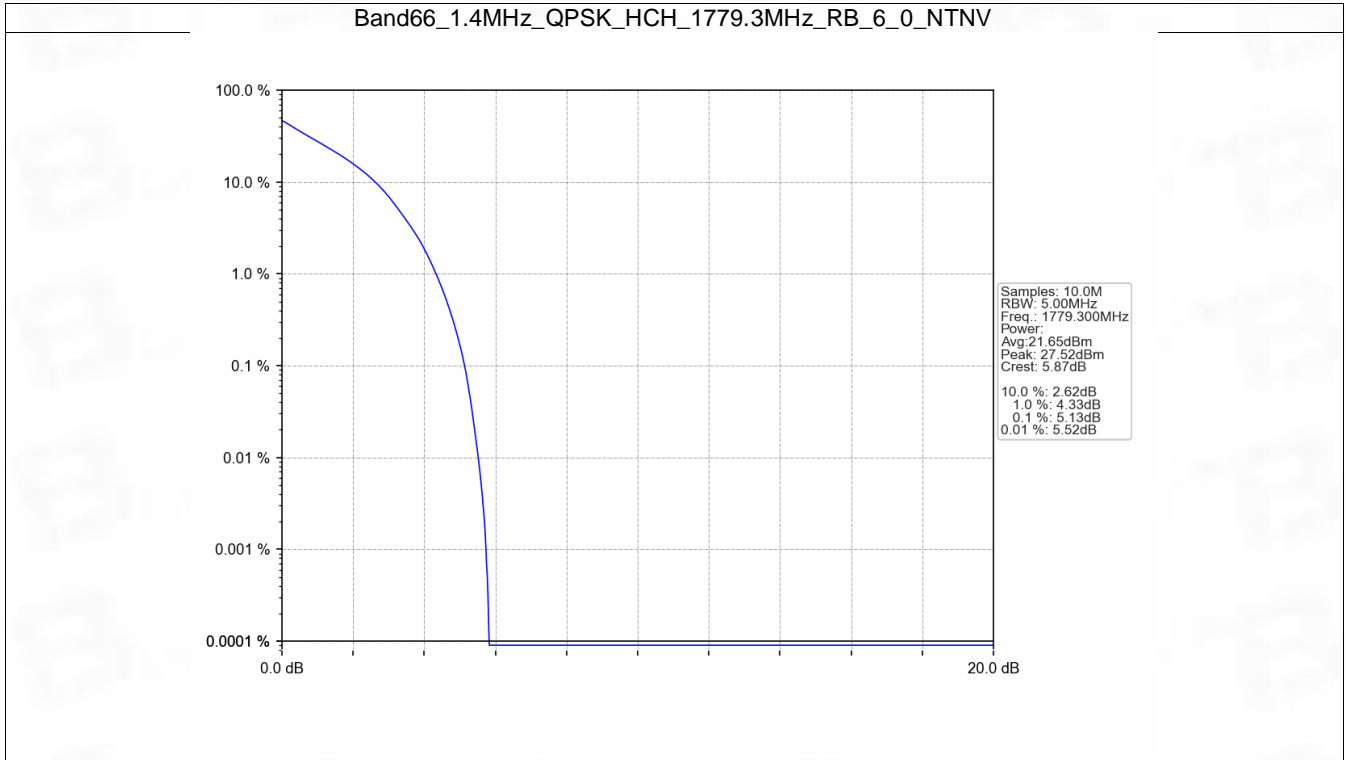
5.1 B66_1.4MHz

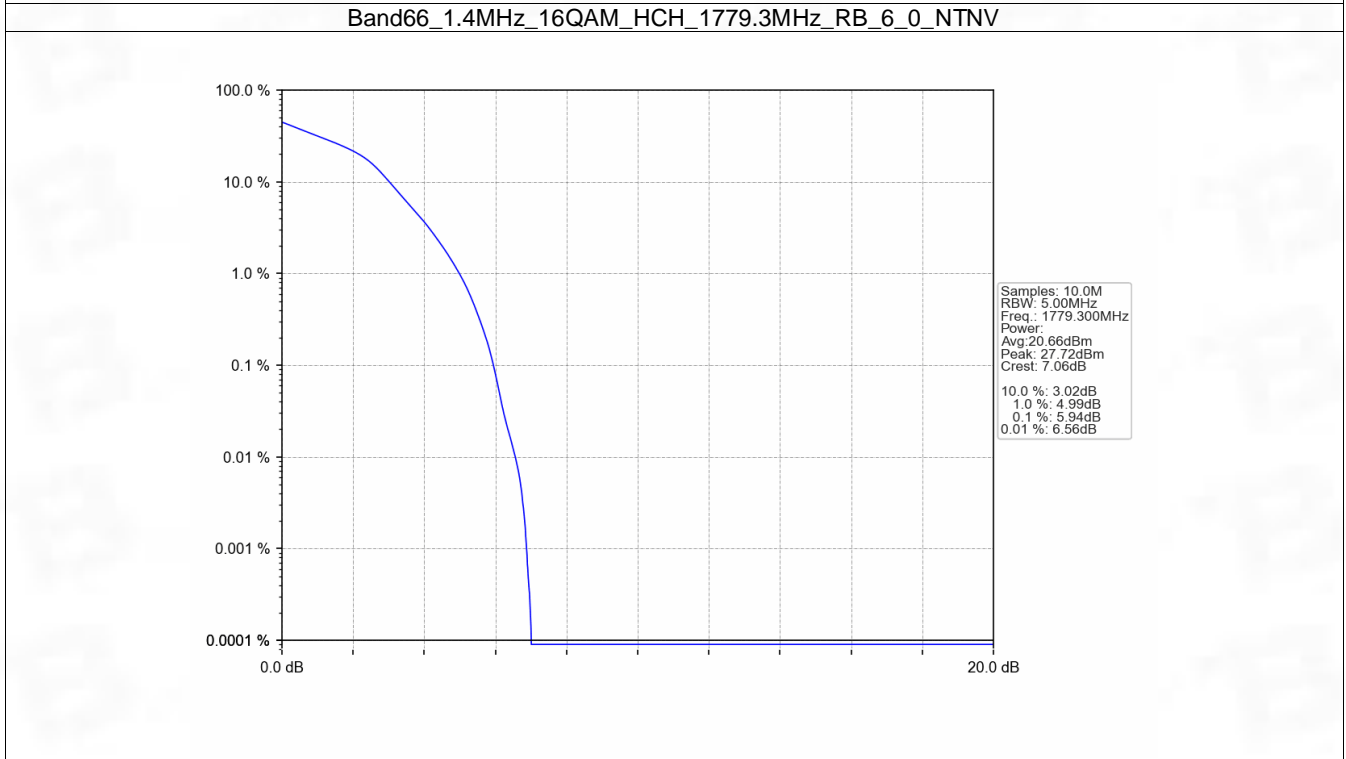
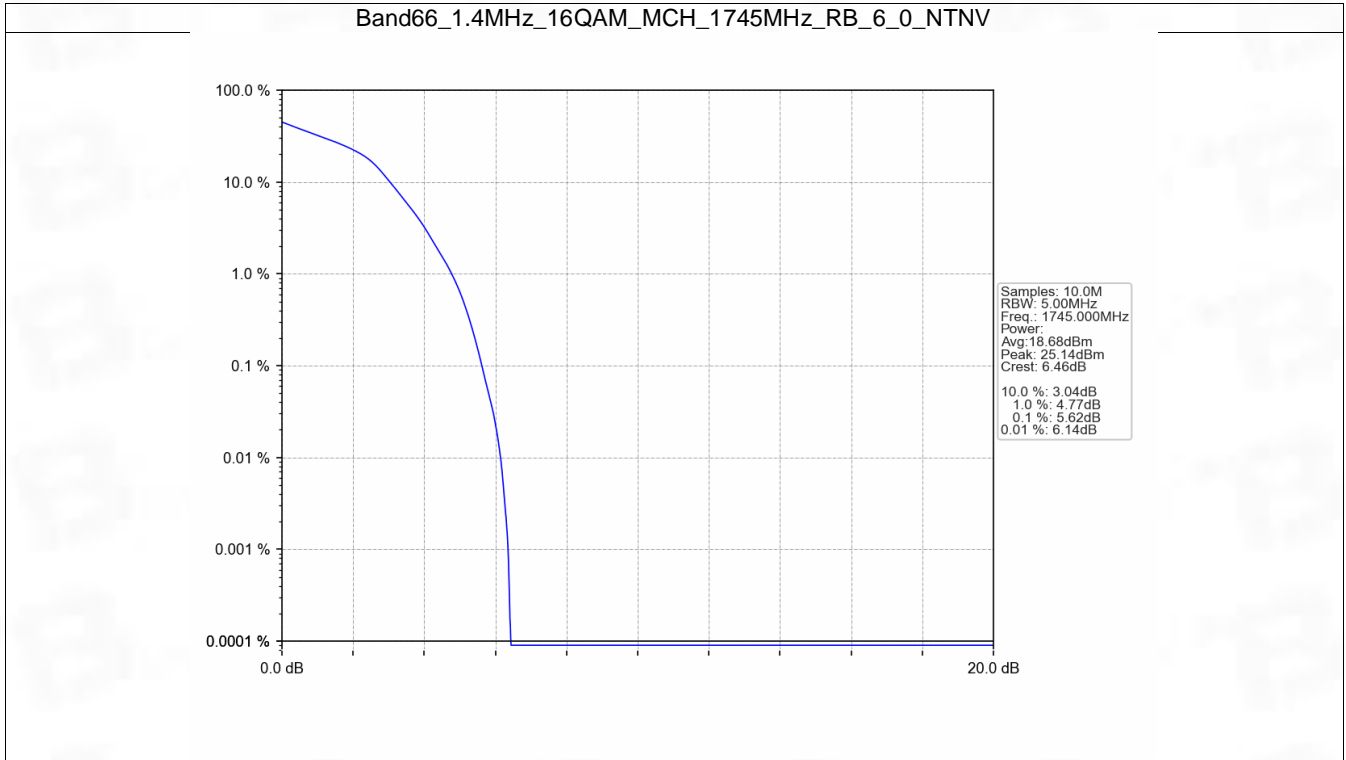
5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.15	<=13	Pass
	1745	6	0	4.75	<=13	Pass
	1779.3	6	0	5.13	<=13	Pass
16QAM	1710.7	6	0	5.20	<=13	Pass
	1745	6	0	5.62	<=13	Pass
	1779.3	6	0	5.94	<=13	Pass

5.1.2 Test Graph







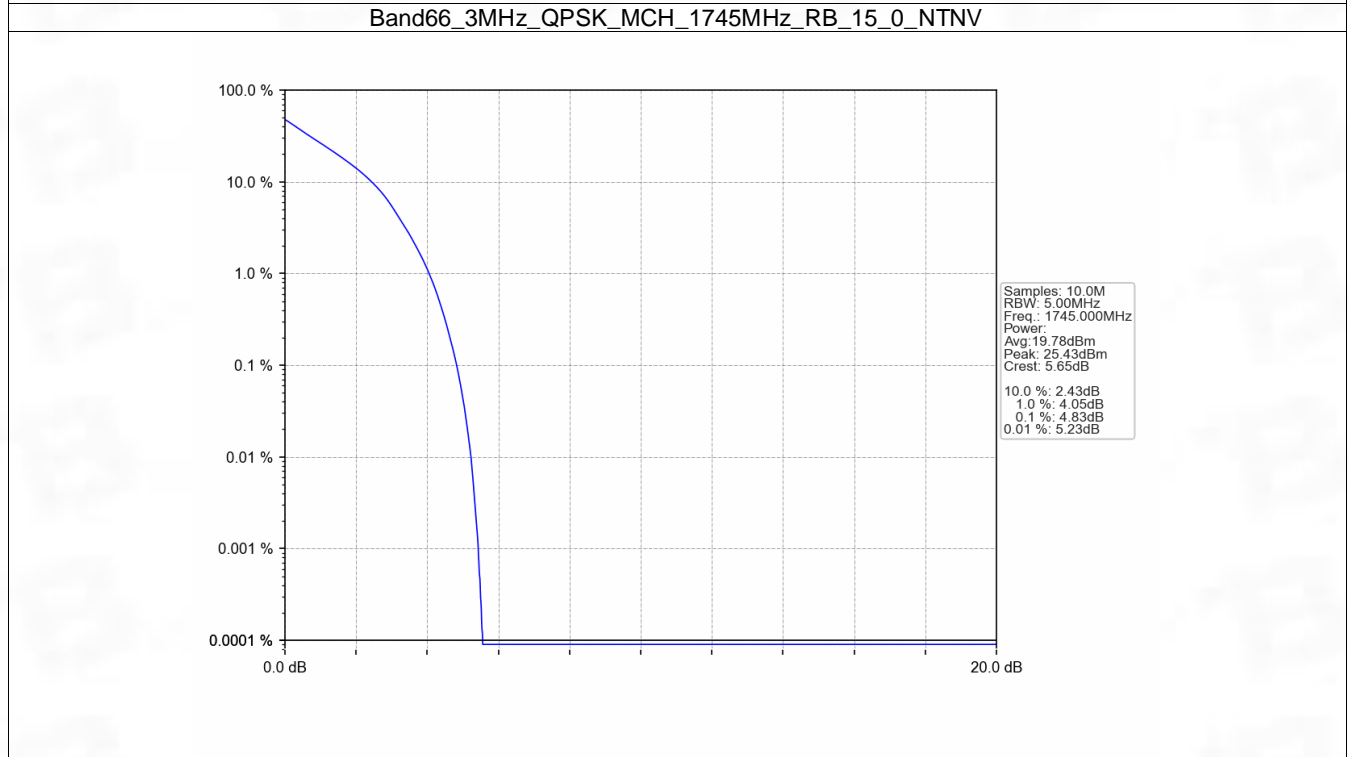
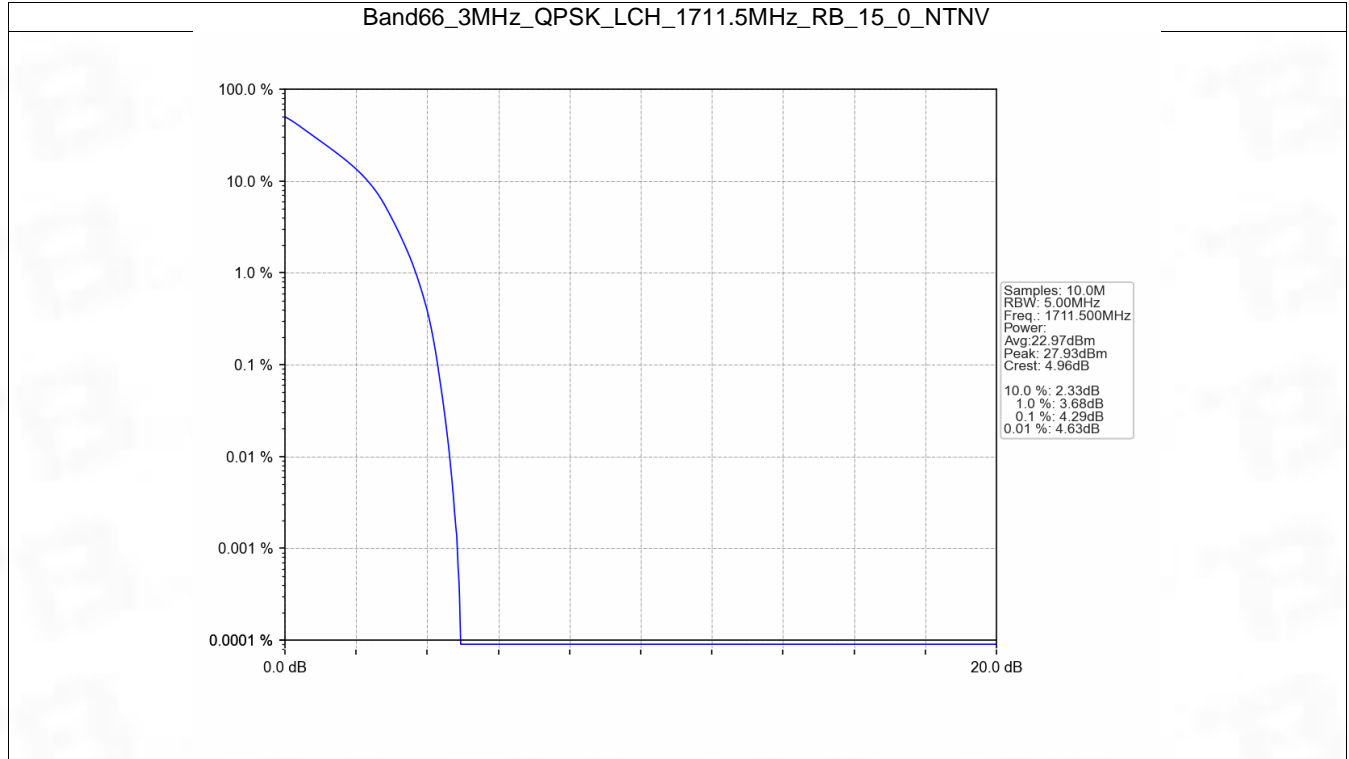


5.2 B66_3MHz

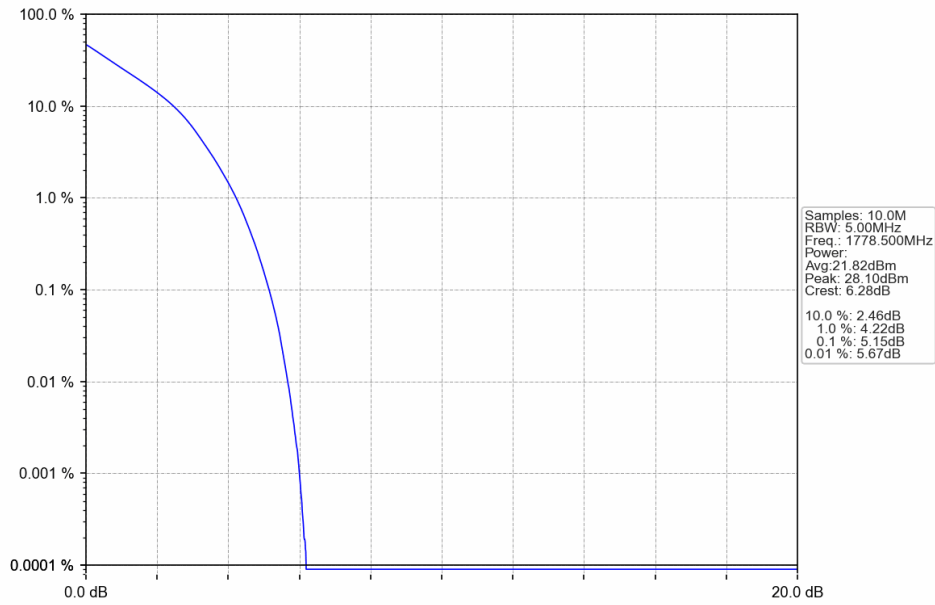
5.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.29	<=13	Pass
	1745	15	0	4.83	<=13	Pass
	1778.5	15	0	5.15	<=13	Pass
16QAM	1711.5	15	0	5.21	<=13	Pass
	1745	15	0	5.70	<=13	Pass
	1778.5	15	0	5.95	<=13	Pass

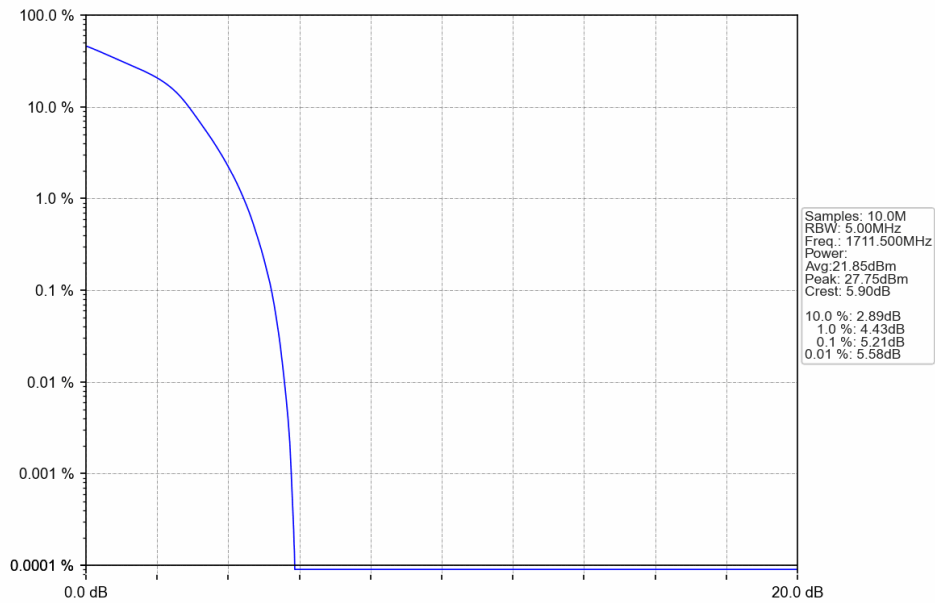
5.2.2 Test Graph



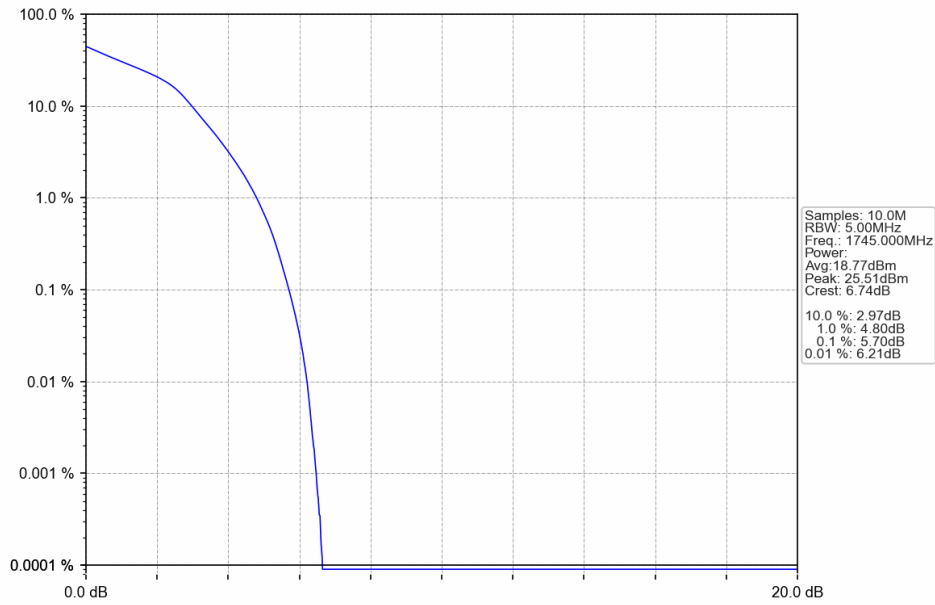
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



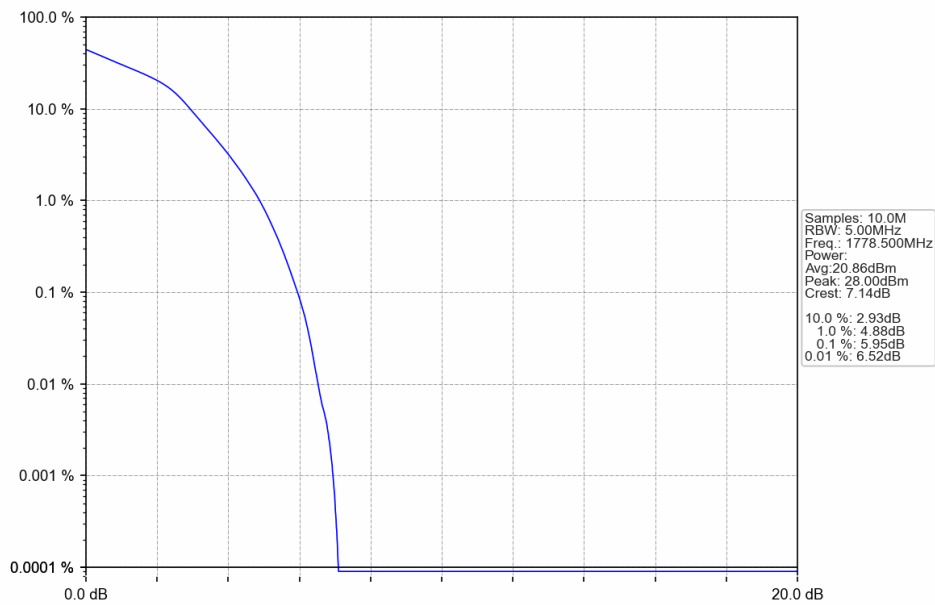
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



5.3 B66_5MHz

5.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.75	<=13	Pass
	1745	25	0	5.20	<=13	Pass
	1777.5	25	0	5.31	<=13	Pass
16QAM	1712.5	25	0	5.62	<=13	Pass
	1745	25	0	5.92	<=13	Pass
	1777.5	25	0	5.99	<=13	Pass

5.3.2 Test Graph

