

1. Effective (Isotropic) Radiated Power Output Data

1.1 B66_1.4MHz_EIRP

1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	22.75	-1.8	20.95	<=30	Pass		
			2	22.80	-1.8	21	<=30	Pass		
			5	22.75	-1.8	20.95	<=30	Pass		
		3	0	22.85	-1.8	21.05	<=30	Pass		
			2	22.87	-1.8	21.07	<=30	Pass		
			3	22.86	-1.8	21.06	<=30	Pass		
		6	0	21.93	-1.8	20.13	<=30	Pass		
		1745	1	0	24.06	-1.8	22.26	<=30	Pass	
				2	24.10	-1.8	22.3	<=30	Pass	
	5			24.05	-1.8	22.25	<=30	Pass		
	3		0	24.06	-1.8	22.26	<=30	Pass		
			2	24.08	-1.8	22.28	<=30	Pass		
			3	24.05	-1.8	22.25	<=30	Pass		
	6		0	23.13	-1.8	21.33	<=30	Pass		
	1779.3		1	0	23.91	-1.8	22.11	<=30	Pass	
				2	23.96	-1.8	22.16	<=30	Pass	
		5		23.92	-1.8	22.12	<=30	Pass		
		3	0	24.01	-1.8	22.21	<=30	Pass		
			2	24.02	-1.8	22.22	<=30	Pass		
			3	23.98	-1.8	22.18	<=30	Pass		
		6	0	23.07	-1.8	21.27	<=30	Pass		
		16QAM	1710.7	1	0	21.88	-1.8	20.08	<=30	Pass
					2	21.90	-1.8	20.1	<=30	Pass
	5				21.83	-1.8	20.03	<=30	Pass	
3	0			23.00	-1.8	21.2	<=30	Pass		
	2			23.06	-1.8	21.26	<=30	Pass		
	3			23.03	-1.8	21.23	<=30	Pass		
6	0			21.98	-1.8	20.18	<=30	Pass		
1745	1			0	22.94	-1.8	21.14	<=30	Pass	
				2	23.00	-1.8	21.2	<=30	Pass	
			5	22.97	-1.8	21.17	<=30	Pass		
	3		0	23.06	-1.8	21.26	<=30	Pass		
			2	23.09	-1.8	21.29	<=30	Pass		
			3	23.06	-1.8	21.26	<=30	Pass		
	6		0	22.04	-1.8	20.24	<=30	Pass		
	1779.3		1	0	23.01	-1.8	21.21	<=30	Pass	
				2	23.06	-1.8	21.26	<=30	Pass	
5				22.98	-1.8	21.18	<=30	Pass		
3			0	22.93	-1.8	21.13	<=30	Pass		
			2	22.95	-1.8	21.15	<=30	Pass		
			3	22.93	-1.8	21.13	<=30	Pass		
6			0	22.06	-1.8	20.26	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	23.83	-1.8	22.03	<=30	Pass		
			7	24.00	-1.8	22.2	<=30	Pass		
			14	23.83	-1.8	22.03	<=30	Pass		
		8	0	22.98	-1.8	21.18	<=30	Pass		
			4	23.02	-1.8	21.22	<=30	Pass		
			7	22.98	-1.8	21.18	<=30	Pass		
		15	0	22.91	-1.8	21.11	<=30	Pass		
		1745	1	0	23.88	-1.8	22.08	<=30	Pass	
				7	23.99	-1.8	22.19	<=30	Pass	
	14			23.94	-1.8	22.14	<=30	Pass		
	8		0	23.06	-1.8	21.26	<=30	Pass		
			4	23.10	-1.8	21.3	<=30	Pass		
			7	23.09	-1.8	21.29	<=30	Pass		
	15		0	23.06	-1.8	21.26	<=30	Pass		
	1778.5		1	0	23.88	-1.8	22.08	<=30	Pass	
				7	23.95	-1.8	22.15	<=30	Pass	
		14		23.82	-1.8	22.02	<=30	Pass		
		8	0	22.99	-1.8	21.19	<=30	Pass		
			4	23.04	-1.8	21.24	<=30	Pass		
			7	23.00	-1.8	21.2	<=30	Pass		
		15	0	22.93	-1.8	21.13	<=30	Pass		
		16QAM	1711.5	1	0	22.84	-1.8	21.04	<=30	Pass
					7	22.99	-1.8	21.19	<=30	Pass
	14				22.85	-1.8	21.05	<=30	Pass	
8	0			21.87	-1.8	20.07	<=30	Pass		
	4			21.94	-1.8	20.14	<=30	Pass		
	7			21.89	-1.8	20.09	<=30	Pass		
15	0			21.79	-1.8	19.99	<=30	Pass		
1745	1			0	23.31	-1.8	21.51	<=30	Pass	
				7	23.42	-1.8	21.62	<=30	Pass	
			14	23.27	-1.8	21.47	<=30	Pass		
	8		0	22.20	-1.8	20.4	<=30	Pass		
			4	22.24	-1.8	20.44	<=30	Pass		
			7	22.18	-1.8	20.38	<=30	Pass		
	15		0	22.12	-1.8	20.32	<=30	Pass		
	1778.5		1	0	22.77	-1.8	20.97	<=30	Pass	
				7	22.88	-1.8	21.08	<=30	Pass	
14				22.75	-1.8	20.95	<=30	Pass		
8			0	22.05	-1.8	20.25	<=30	Pass		
			4	22.08	-1.8	20.28	<=30	Pass		
			7	22.01	-1.8	20.21	<=30	Pass		
15			0	21.99	-1.8	20.19	<=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	24.06	-1.8	22.26	<=30	Pass		
			13	24.18	-1.8	22.38	<=30	Pass		
			24	24.07	-1.8	22.27	<=30	Pass		
		12	0	22.98	-1.8	21.18	<=30	Pass		
			6	23.04	-1.8	21.24	<=30	Pass		
			13	22.96	-1.8	21.16	<=30	Pass		
		25	0	22.97	-1.8	21.17	<=30	Pass		
		1745	1	0	24.12	-1.8	22.32	<=30	Pass	
				13	24.23	-1.8	22.43	<=30	Pass	
	24			24.16	-1.8	22.36	<=30	Pass		
	12		0	23.10	-1.8	21.3	<=30	Pass		
			6	23.14	-1.8	21.34	<=30	Pass		
			13	23.13	-1.8	21.33	<=30	Pass		
	25		0	23.16	-1.8	21.36	<=30	Pass		
	1777.5		1	0	24.13	-1.8	22.33	<=30	Pass	
				13	24.20	-1.8	22.4	<=30	Pass	
		24		24.04	-1.8	22.24	<=30	Pass		
		12	0	23.02	-1.8	21.22	<=30	Pass		
			6	23.11	-1.8	21.31	<=30	Pass		
			13	23.11	-1.8	21.31	<=30	Pass		
		25	0	23.07	-1.8	21.27	<=30	Pass		
		16QAM	1712.5	1	0	22.98	-1.8	21.18	<=30	Pass
					13	23.13	-1.8	21.33	<=30	Pass
	24				23.06	-1.8	21.26	<=30	Pass	
12	0			21.93	-1.8	20.13	<=30	Pass		
	6			21.99	-1.8	20.19	<=30	Pass		
	13			21.93	-1.8	20.13	<=30	Pass		
25	0			21.99	-1.8	20.19	<=30	Pass		
1745	1			0	23.30	-1.8	21.5	<=30	Pass	
				13	23.39	-1.8	21.59	<=30	Pass	
			24	23.33	-1.8	21.53	<=30	Pass		
	12		0	22.10	-1.8	20.3	<=30	Pass		
			6	22.18	-1.8	20.38	<=30	Pass		
			13	22.14	-1.8	20.34	<=30	Pass		
	25		0	22.17	-1.8	20.37	<=30	Pass		
	1777.5		1	0	22.86	-1.8	21.06	<=30	Pass	
				13	22.98	-1.8	21.18	<=30	Pass	
24				22.83	-1.8	21.03	<=30	Pass		
12			0	22.05	-1.8	20.25	<=30	Pass		
			6	22.09	-1.8	20.29	<=30	Pass		
			13	22.15	-1.8	20.35	<=30	Pass		
25			0	22.12	-1.8	20.32	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B66_10MHz_EIRP

1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.18	-1.8	22.38	<=30	Pass

		25	25	24.21	-1.8	22.41	<=30	Pass		
			49	24.17	-1.8	22.37	<=30	Pass		
			0	23.01	-1.8	21.21	<=30	Pass		
			13	23.06	-1.8	21.26	<=30	Pass		
			25	23.11	-1.8	21.31	<=30	Pass		
		50	0	23.09	-1.8	21.29	<=30	Pass		
		1745	1	0	24.22	-1.8	22.42	<=30	Pass	
				25	24.20	-1.8	22.4	<=30	Pass	
				49	24.24	-1.8	22.44	<=30	Pass	
			25	0	23.11	-1.8	21.31	<=30	Pass	
	13			23.16	-1.8	21.36	<=30	Pass		
	25	23.13		-1.8	21.33	<=30	Pass			
	50	0	23.15	-1.8	21.35	<=30	Pass			
	1775	1	0	24.31	-1.8	22.51	<=30	Pass		
			25	24.25	-1.8	22.45	<=30	Pass		
			49	24.13	-1.8	22.33	<=30	Pass		
		25	0	23.19	-1.8	21.39	<=30	Pass		
			13	23.17	-1.8	21.37	<=30	Pass		
			25	23.19	-1.8	21.39	<=30	Pass		
		50	0	23.20	-1.8	21.4	<=30	Pass		
		16QAM	1715	1	0	23.00	-1.8	21.2	<=30	Pass
					25	23.07	-1.8	21.27	<=30	Pass
					49	23.07	-1.8	21.27	<=30	Pass
	25			0	22.12	-1.8	20.32	<=30	Pass	
13				22.16	-1.8	20.36	<=30	Pass		
25				22.18	-1.8	20.38	<=30	Pass		
50	0		22.10	-1.8	20.3	<=30	Pass			
1745	1		0	23.31	-1.8	21.51	<=30	Pass		
			25	23.32	-1.8	21.52	<=30	Pass		
			49	23.32	-1.8	21.52	<=30	Pass		
	25		0	22.16	-1.8	20.36	<=30	Pass		
			13	22.22	-1.8	20.42	<=30	Pass		
			25	22.22	-1.8	20.42	<=30	Pass		
50	0		22.17	-1.8	20.37	<=30	Pass			
1775	1		0	23.64	-1.8	21.84	<=30	Pass		
			25	23.62	-1.8	21.82	<=30	Pass		
			49	23.54	-1.8	21.74	<=30	Pass		
	25		0	22.23	-1.8	20.43	<=30	Pass		
		13	22.20	-1.8	20.4	<=30	Pass			
		25	22.25	-1.8	20.45	<=30	Pass			
50	0	22.21	-1.8	20.41	<=30	Pass				
Note1: EIRP=Conducted Power+Antenna Gain										

1.5 B66_15MHz_EIRP

1.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	24.13	-1.8	22.33	<=30	Pass
			38	24.20	-1.8	22.4	<=30	Pass
			74	24.11	-1.8	22.31	<=30	Pass
		36	0	23.14	-1.8	21.34	<=30	Pass
			18	23.17	-1.8	21.37	<=30	Pass

16QAM	1745	75	39	23.25	-1.8	21.45	<=30	Pass		
			75	0	23.22	-1.8	21.42	<=30	Pass	
			1	0	24.19	-1.8	22.39	<=30	Pass	
		36	1	38	24.22	-1.8	22.42	<=30	Pass	
			74	24.16	-1.8	22.36	<=30	Pass		
			0	23.29	-1.8	21.49	<=30	Pass		
		75	36	18	23.26	-1.8	21.46	<=30	Pass	
			39	23.22	-1.8	21.42	<=30	Pass		
			75	0	23.32	-1.8	21.52	<=30	Pass	
		1772.5	75	1	0	24.21	-1.8	22.41	<=30	Pass
				38	24.30	-1.8	22.5	<=30	Pass	
				74	24.05	-1.8	22.25	<=30	Pass	
	36		1	0	23.44	-1.8	21.64	<=30	Pass	
			18	23.33	-1.8	21.53	<=30	Pass		
			39	23.26	-1.8	21.46	<=30	Pass		
	75		75	0	23.39	-1.8	21.59	<=30	Pass	
			1	0	23.17	-1.8	21.37	<=30	Pass	
			38	23.38	-1.8	21.58	<=30	Pass		
	1717.5		75	1	74	23.39	-1.8	21.59	<=30	Pass
				36	0	22.02	-1.8	20.22	<=30	Pass
				18	22.09	-1.8	20.29	<=30	Pass	
		36	39	22.21	-1.8	20.41	<=30	Pass		
			75	0	22.15	-1.8	20.35	<=30	Pass	
			1	0	23.25	-1.8	21.45	<=30	Pass	
1745		75	1	38	23.32	-1.8	21.52	<=30	Pass	
			74	23.23	-1.8	21.43	<=30	Pass		
			0	22.24	-1.8	20.44	<=30	Pass		
		36	18	22.20	-1.8	20.4	<=30	Pass		
			39	22.22	-1.8	20.42	<=30	Pass		
			75	0	22.29	-1.8	20.49	<=30	Pass	
	1772.5	75	1	0	23.59	-1.8	21.79	<=30	Pass	
			38	23.64	-1.8	21.84	<=30	Pass		
			74	23.50	-1.8	21.7	<=30	Pass		
		36	0	22.35	-1.8	20.55	<=30	Pass		
			18	22.27	-1.8	20.47	<=30	Pass		
			39	22.23	-1.8	20.43	<=30	Pass		
75		75	0	22.34	-1.8	20.54	<=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	23.95	-1.8	22.15	<=30	Pass	
			50	24.14	-1.8	22.34	<=30	Pass	
			99	24.06	-1.8	22.26	<=30	Pass	
		50	0	22.97	-1.8	21.17	<=30	Pass	
			25	23.13	-1.8	21.33	<=30	Pass	
			50	23.38	-1.8	21.58	<=30	Pass	
	1745	100	0	23.17	-1.8	21.37	<=30	Pass	
			1	0	24.08	-1.8	22.28	<=30	Pass
			50	24.21	-1.8	22.41	<=30	Pass	

		50	99	24.15	-1.8	22.35	<=30	Pass		
			0	23.31	-1.8	21.51	<=30	Pass		
			25	23.23	-1.8	21.43	<=30	Pass		
			50	23.29	-1.8	21.49	<=30	Pass		
			100	23.29	-1.8	21.49	<=30	Pass		
		1770	1	0	24.04	-1.8	22.24	<=30	Pass	
				50	24.27	-1.8	22.47	<=30	Pass	
				99	24.00	-1.8	22.2	<=30	Pass	
			50	0	23.32	-1.8	21.52	<=30	Pass	
				25	23.24	-1.8	21.44	<=30	Pass	
				50	23.12	-1.8	21.32	<=30	Pass	
			100	23.25	-1.8	21.45	<=30	Pass		
			16QAM	1720	1	0	23.26	-1.8	21.46	<=30
		50				23.55	-1.8	21.75	<=30	Pass
		99				23.50	-1.8	21.7	<=30	Pass
50	0	21.97			-1.8	20.17	<=30	Pass		
	25	22.10			-1.8	20.3	<=30	Pass		
	50	22.35			-1.8	20.55	<=30	Pass		
100	22.19	-1.8			20.39	<=30	Pass			
1745	1	0			23.13	-1.8	21.33	<=30	Pass	
		50			23.33	-1.8	21.53	<=30	Pass	
		99		23.25	-1.8	21.45	<=30	Pass		
	50	0		22.30	-1.8	20.5	<=30	Pass		
		25		22.24	-1.8	20.44	<=30	Pass		
		50		22.33	-1.8	20.53	<=30	Pass		
100	22.28	-1.8		20.48	<=30	Pass				
1770	1	0		23.24	-1.8	21.44	<=30	Pass		
		50	23.45	-1.8	21.65	<=30	Pass			
		99	23.18	-1.8	21.38	<=30	Pass			
	50	0	22.30	-1.8	20.5	<=30	Pass			
		25	22.25	-1.8	20.45	<=30	Pass			
		50	22.12	-1.8	20.32	<=30	Pass			
100	22.25	-1.8	20.45	<=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	3.23	5.579	0.0033	-2.5 to 2.5	Pass	
					3.8	4.706	0.0028	-2.5 to 2.5	Pass	
					4.37	5.550	0.0032	-2.5 to 2.5	Pass	
				-30	3.8	-0.629	-0.0004	-2.5 to 2.5	Pass	
					-20	3.8	-1.144	-0.0007	-2.5 to 2.5	Pass
						-10	3.8	-1.574	-0.0009	-2.5 to 2.5
					0	3.8	4.420	0.0026	-2.5 to 2.5	Pass
					10	3.8	-0.057	0.0000	-2.5 to 2.5	Pass
					30	3.8	5.894	0.0034	-2.5 to 2.5	Pass
					40	3.8	-0.558	-0.0003	-2.5 to 2.5	Pass

	1745	6	0	50	3.8	4.363	0.0026	-2.5 to 2.5	Pass
				20	3.23	7.167	0.0041	-2.5 to 2.5	Pass
					3.8	4.392	0.0025	-2.5 to 2.5	Pass
				-30	4.37	8.898	0.0051	-2.5 to 2.5	Pass
					3.8	3.948	0.0023	-2.5 to 2.5	Pass
				-20	3.8	4.907	0.0028	-2.5 to 2.5	Pass
				-10	3.8	11.115	0.0064	-2.5 to 2.5	Pass
				0	3.8	2.904	0.0017	-2.5 to 2.5	Pass
				10	3.8	8.469	0.0049	-2.5 to 2.5	Pass
	30	3.8	6.580	0.0038	-2.5 to 2.5	Pass			
	40	3.8	5.937	0.0034	-2.5 to 2.5	Pass			
	50	3.8	2.418	0.0014	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.23	-2.031	-0.0011	-2.5 to 2.5	Pass
					3.8	0.401	0.0002	-2.5 to 2.5	Pass
				-30	4.37	0.515	0.0003	-2.5 to 2.5	Pass
					3.8	2.046	0.0011	-2.5 to 2.5	Pass
				-20	3.8	-0.987	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	-0.114	-0.0001	-2.5 to 2.5	Pass
0				3.8	2.131	0.0012	-2.5 to 2.5	Pass	
10				3.8	2.289	0.0013	-2.5 to 2.5	Pass	
30				3.8	1.631	0.0009	-2.5 to 2.5	Pass	
40	3.8	4.892	0.0027	-2.5 to 2.5	Pass				
50	3.8	7.639	0.0043	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.23	2.317	0.0014	-2.5 to 2.5	Pass
					3.8	6.480	0.0038	-2.5 to 2.5	Pass
				-30	4.37	2.561	0.0015	-2.5 to 2.5	Pass
					3.8	3.204	0.0019	-2.5 to 2.5	Pass
				-20	3.8	-0.572	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	5.064	0.0030	-2.5 to 2.5	Pass
				0	3.8	4.649	0.0027	-2.5 to 2.5	Pass
				10	3.8	2.275	0.0013	-2.5 to 2.5	Pass
				30	3.8	3.047	0.0018	-2.5 to 2.5	Pass
	40	3.8	5.937	0.0035	-2.5 to 2.5	Pass			
	50	3.8	-0.787	-0.0005	-2.5 to 2.5	Pass			
	1745	6	0	20	3.23	1.001	0.0006	-2.5 to 2.5	Pass
					3.8	8.397	0.0048	-2.5 to 2.5	Pass
				-30	4.37	3.104	0.0018	-2.5 to 2.5	Pass
					3.8	8.197	0.0047	-2.5 to 2.5	Pass
				-20	3.8	7.725	0.0044	-2.5 to 2.5	Pass
				-10	3.8	7.153	0.0041	-2.5 to 2.5	Pass
				0	3.8	7.296	0.0042	-2.5 to 2.5	Pass
10				3.8	3.662	0.0021	-2.5 to 2.5	Pass	
30				3.8	9.985	0.0057	-2.5 to 2.5	Pass	
40	3.8	4.964	0.0028	-2.5 to 2.5	Pass				
50	3.8	6.309	0.0036	-2.5 to 2.5	Pass				
1779.3	6	0	20	3.23	3.018	0.0017	-2.5 to 2.5	Pass	
				3.8	3.719	0.0021	-2.5 to 2.5	Pass	
			-30	4.37	0.029	0.0000	-2.5 to 2.5	Pass	
				3.8	1.345	0.0008	-2.5 to 2.5	Pass	
			-20	3.8	-2.518	-0.0014	-2.5 to 2.5	Pass	
			-10	3.8	1.760	0.0010	-2.5 to 2.5	Pass	
			0	3.8	3.805	0.0021	-2.5 to 2.5	Pass	
			10	3.8	-1.245	-0.0007	-2.5 to 2.5	Pass	
			30	3.8	2.232	0.0013	-2.5 to 2.5	Pass	
40	3.8	0.758	0.0004	-2.5 to 2.5	Pass				
50	3.8	1.431	0.0008	-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	3.23	1.516	0.0009	-2.5 to 2.5	Pass	
					3.8	0.472	0.0003	-2.5 to 2.5	Pass	
					4.37	2.847	0.0017	-2.5 to 2.5	Pass	
				-30	3.8	1.888	0.0011	-2.5 to 2.5	Pass	
					-20	3.8	2.203	0.0013	-2.5 to 2.5	Pass
						-10	3.8	0.000	0.0000	-2.5 to 2.5
				0	3.8	4.220	0.0025	-2.5 to 2.5	Pass	
					10	3.8	1.802	0.0011	-2.5 to 2.5	Pass
					30	3.8	3.791	0.0022	-2.5 to 2.5	Pass
	40	3.8	2.289		0.0013	-2.5 to 2.5	Pass			
	50	3.8	3.433		0.0020	-2.5 to 2.5	Pass			
	1745	15	0	20	3.23	4.277	0.0025	-2.5 to 2.5	Pass	
					3.8	3.390	0.0019	-2.5 to 2.5	Pass	
					4.37	7.896	0.0045	-2.5 to 2.5	Pass	
				-30	3.8	3.476	0.0020	-2.5 to 2.5	Pass	
					-20	3.8	7.339	0.0042	-2.5 to 2.5	Pass
						-10	3.8	2.804	0.0016	-2.5 to 2.5
				0	3.8	7.339	0.0042	-2.5 to 2.5	Pass	
					10	3.8	8.183	0.0047	-2.5 to 2.5	Pass
					30	3.8	1.001	0.0006	-2.5 to 2.5	Pass
	40	3.8	5.379		0.0031	-2.5 to 2.5	Pass			
	50	3.8	2.303		0.0013	-2.5 to 2.5	Pass			
	1778.5	15	0	20	3.23	-0.844	-0.0005	-2.5 to 2.5	Pass	
					3.8	-3.548	-0.0020	-2.5 to 2.5	Pass	
					4.37	-1.731	-0.0010	-2.5 to 2.5	Pass	
				-30	3.8	-2.446	-0.0014	-2.5 to 2.5	Pass	
					-20	3.8	3.262	0.0018	-2.5 to 2.5	Pass
-10						3.8	-1.860	-0.0010	-2.5 to 2.5	Pass
0				3.8	0.958	0.0005	-2.5 to 2.5	Pass		
				10	3.8	3.233	0.0018	-2.5 to 2.5	Pass	
				30	3.8	0.014	0.0000	-2.5 to 2.5	Pass	
	40	3.8	4.277	0.0024	-2.5 to 2.5	Pass				
	50	3.8	2.389	0.0013	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.23	-1.631	-0.0010	-2.5 to 2.5	Pass	
					3.8	0.887	0.0005	-2.5 to 2.5	Pass	
					4.37	3.047	0.0018	-2.5 to 2.5	Pass	
				-30	3.8	3.662	0.0021	-2.5 to 2.5	Pass	
					-20	3.8	2.933	0.0017	-2.5 to 2.5	Pass
						-10	3.8	3.161	0.0018	-2.5 to 2.5
				0	3.8	-2.346	-0.0014	-2.5 to 2.5	Pass	
					10	3.8	6.137	0.0036	-2.5 to 2.5	Pass
					30	3.8	-1.531	-0.0009	-2.5 to 2.5	Pass
	40	3.8	5.593		0.0033	-2.5 to 2.5	Pass			
	50	3.8	-0.057		0.0000	-2.5 to 2.5	Pass			
	1745	15	0	20	3.23	6.709	0.0038	-2.5 to 2.5	Pass	
					3.8	7.696	0.0044	-2.5 to 2.5	Pass	
					4.37	5.665	0.0032	-2.5 to 2.5	Pass	
				-30	3.8	3.290	0.0019	-2.5 to 2.5	Pass	
					-20	3.8	6.881	0.0039	-2.5 to 2.5	Pass

				-10	3.8	5.150	0.0030	-2.5 to 2.5	Pass
				0	3.8	1.931	0.0011	-2.5 to 2.5	Pass
				10	3.8	2.246	0.0013	-2.5 to 2.5	Pass
				30	3.8	2.418	0.0014	-2.5 to 2.5	Pass
				40	3.8	9.813	0.0056	-2.5 to 2.5	Pass
				50	3.8	5.507	0.0032	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.23	-0.758	-0.0004	-2.5 to 2.5	Pass
					3.8	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.37	0.958	0.0005	-2.5 to 2.5	Pass
				-30	3.8	2.604	0.0015	-2.5 to 2.5	Pass
				-20	3.8	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	2.174	0.0012	-2.5 to 2.5	Pass
				0	3.8	6.423	0.0036	-2.5 to 2.5	Pass
				10	3.8	6.838	0.0038	-2.5 to 2.5	Pass
				30	3.8	5.364	0.0030	-2.5 to 2.5	Pass
				40	3.8	2.947	0.0017	-2.5 to 2.5	Pass
				50	3.8	2.689	0.0015	-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	3.23	1.616	0.0009	-2.5 to 2.5	Pass
					3.8	3.490	0.0020	-2.5 to 2.5	Pass
					4.37	4.020	0.0023	-2.5 to 2.5	Pass
				-30	3.8	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.8	0.558	0.0003	-2.5 to 2.5	Pass
				-10	3.8	-0.086	-0.0001	-2.5 to 2.5	Pass
				0	3.8	0.429	0.0003	-2.5 to 2.5	Pass
				10	3.8	-0.157	-0.0001	-2.5 to 2.5	Pass
				30	3.8	4.106	0.0024	-2.5 to 2.5	Pass
				40	3.8	3.848	0.0022	-2.5 to 2.5	Pass
				50	3.8	4.406	0.0026	-2.5 to 2.5	Pass
				1745	25	0	20	3.23	6.466
	3.8	5.679	0.0033					-2.5 to 2.5	Pass
	4.37	3.934	0.0023					-2.5 to 2.5	Pass
	-30	3.8	-0.443				-0.0003	-2.5 to 2.5	Pass
	-20	3.8	4.735				0.0027	-2.5 to 2.5	Pass
	-10	3.8	6.595				0.0038	-2.5 to 2.5	Pass
	0	3.8	7.482				0.0043	-2.5 to 2.5	Pass
	10	3.8	7.267				0.0042	-2.5 to 2.5	Pass
	30	3.8	0.815				0.0005	-2.5 to 2.5	Pass
	40	3.8	6.394				0.0037	-2.5 to 2.5	Pass
	50	3.8	6.838				0.0039	-2.5 to 2.5	Pass
	1777.5	25	0				20	3.23	3.734
				3.8	4.978	0.0028		-2.5 to 2.5	Pass
				4.37	4.520	0.0025		-2.5 to 2.5	Pass
				-30	3.8	5.994	0.0034	-2.5 to 2.5	Pass
				-20	3.8	3.777	0.0021	-2.5 to 2.5	Pass
				-10	3.8	4.506	0.0025	-2.5 to 2.5	Pass
				0	3.8	1.988	0.0011	-2.5 to 2.5	Pass
				10	3.8	5.064	0.0028	-2.5 to 2.5	Pass

				30	3.8	4.177	0.0023	-2.5 to 2.5	Pass
				40	3.8	3.233	0.0018	-2.5 to 2.5	Pass
				50	3.8	5.865	0.0033	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.23	2.818	0.0016	-2.5 to 2.5	Pass
					3.8	4.320	0.0025	-2.5 to 2.5	Pass
					4.37	4.706	0.0027	-2.5 to 2.5	Pass
				-30	3.8	0.873	0.0005	-2.5 to 2.5	Pass
				-20	3.8	2.975	0.0017	-2.5 to 2.5	Pass
				-10	3.8	5.021	0.0029	-2.5 to 2.5	Pass
				0	3.8	4.535	0.0026	-2.5 to 2.5	Pass
				10	3.8	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.8	2.189	0.0013	-2.5 to 2.5	Pass
				40	3.8	3.376	0.0020	-2.5 to 2.5	Pass
	50	3.8	2.489	0.0015	-2.5 to 2.5	Pass			
	1745	25	0	20	3.23	6.351	0.0036	-2.5 to 2.5	Pass
					3.8	6.423	0.0037	-2.5 to 2.5	Pass
					4.37	6.537	0.0037	-2.5 to 2.5	Pass
				-30	3.8	0.372	0.0002	-2.5 to 2.5	Pass
				-20	3.8	3.262	0.0019	-2.5 to 2.5	Pass
				-10	3.8	9.556	0.0055	-2.5 to 2.5	Pass
				0	3.8	7.610	0.0044	-2.5 to 2.5	Pass
				10	3.8	5.507	0.0032	-2.5 to 2.5	Pass
				30	3.8	2.432	0.0014	-2.5 to 2.5	Pass
				40	3.8	6.166	0.0035	-2.5 to 2.5	Pass
	50	3.8	3.390	0.0019	-2.5 to 2.5	Pass			
	1777.5	25	0	20	3.23	4.349	0.0024	-2.5 to 2.5	Pass
					3.8	6.266	0.0035	-2.5 to 2.5	Pass
					4.37	3.362	0.0019	-2.5 to 2.5	Pass
				-30	3.8	5.980	0.0034	-2.5 to 2.5	Pass
				-20	3.8	2.618	0.0015	-2.5 to 2.5	Pass
				-10	3.8	2.160	0.0012	-2.5 to 2.5	Pass
				0	3.8	3.419	0.0019	-2.5 to 2.5	Pass
				10	3.8	6.251	0.0035	-2.5 to 2.5	Pass
30				3.8	4.148	0.0023	-2.5 to 2.5	Pass	
40				3.8	3.061	0.0017	-2.5 to 2.5	Pass	
50	3.8	2.761	0.0016	-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	3.23	2.961	0.0017	-2.5 to 2.5	Pass
					3.8	3.734	0.0022	-2.5 to 2.5	Pass
					4.37	5.078	0.0030	-2.5 to 2.5	Pass
				-30	3.8	2.389	0.0014	-2.5 to 2.5	Pass
				-20	3.8	3.619	0.0021	-2.5 to 2.5	Pass
				-10	3.8	2.446	0.0014	-2.5 to 2.5	Pass
				0	3.8	3.605	0.0021	-2.5 to 2.5	Pass
				10	3.8	3.591	0.0021	-2.5 to 2.5	Pass
				30	3.8	2.303	0.0013	-2.5 to 2.5	Pass
				40	3.8	2.103	0.0012	-2.5 to 2.5	Pass
50	3.8	1.044	0.0006	-2.5 to 2.5	Pass				

	1745	50	0	20	3.23	4.435	0.0025	-2.5 to 2.5	Pass
					3.8	5.894	0.0034	-2.5 to 2.5	Pass
					4.37	3.004	0.0017	-2.5 to 2.5	Pass
				-30	3.8	4.950	0.0028	-2.5 to 2.5	Pass
				-20	3.8	4.849	0.0028	-2.5 to 2.5	Pass
				-10	3.8	6.108	0.0035	-2.5 to 2.5	Pass
				0	3.8	4.134	0.0024	-2.5 to 2.5	Pass
				10	3.8	5.751	0.0033	-2.5 to 2.5	Pass
				30	3.8	4.206	0.0024	-2.5 to 2.5	Pass
	40	3.8	4.764	0.0027	-2.5 to 2.5	Pass			
	50	3.8	4.163	0.0024	-2.5 to 2.5	Pass			
	1775	50	0	20	3.23	2.704	0.0015	-2.5 to 2.5	Pass
					3.8	2.303	0.0013	-2.5 to 2.5	Pass
					4.37	0.343	0.0002	-2.5 to 2.5	Pass
				-30	3.8	2.289	0.0013	-2.5 to 2.5	Pass
				-20	3.8	1.659	0.0009	-2.5 to 2.5	Pass
				-10	3.8	0.701	0.0004	-2.5 to 2.5	Pass
				0	3.8	0.286	0.0002	-2.5 to 2.5	Pass
10				3.8	-0.916	-0.0005	-2.5 to 2.5	Pass	
30				3.8	0.529	0.0003	-2.5 to 2.5	Pass	
40	3.8	1.431	0.0008	-2.5 to 2.5	Pass				
50	3.8	0.758	0.0004	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.23	1.774	0.0010	-2.5 to 2.5	Pass
					3.8	2.933	0.0017	-2.5 to 2.5	Pass
					4.37	2.890	0.0017	-2.5 to 2.5	Pass
				-30	3.8	1.202	0.0007	-2.5 to 2.5	Pass
				-20	3.8	2.561	0.0015	-2.5 to 2.5	Pass
				-10	3.8	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.8	-0.629	-0.0004	-2.5 to 2.5	Pass
				10	3.8	3.805	0.0022	-2.5 to 2.5	Pass
				30	3.8	3.648	0.0021	-2.5 to 2.5	Pass
	40	3.8	3.805	0.0022	-2.5 to 2.5	Pass			
	50	3.8	3.905	0.0023	-2.5 to 2.5	Pass			
	1745	50	0	20	3.23	4.163	0.0024	-2.5 to 2.5	Pass
					3.8	4.020	0.0023	-2.5 to 2.5	Pass
					4.37	6.137	0.0035	-2.5 to 2.5	Pass
				-30	3.8	5.651	0.0032	-2.5 to 2.5	Pass
				-20	3.8	4.077	0.0023	-2.5 to 2.5	Pass
				-10	3.8	5.636	0.0032	-2.5 to 2.5	Pass
				0	3.8	4.034	0.0023	-2.5 to 2.5	Pass
10				3.8	4.935	0.0028	-2.5 to 2.5	Pass	
30				3.8	4.077	0.0023	-2.5 to 2.5	Pass	
40	3.8	6.380	0.0037	-2.5 to 2.5	Pass				
50	3.8	4.020	0.0023	-2.5 to 2.5	Pass				
1775	50	0	20	3.23	1.645	0.0009	-2.5 to 2.5	Pass	
				3.8	0.386	0.0002	-2.5 to 2.5	Pass	
				4.37	2.460	0.0014	-2.5 to 2.5	Pass	
			-30	3.8	0.901	0.0005	-2.5 to 2.5	Pass	
			-20	3.8	-2.418	-0.0014	-2.5 to 2.5	Pass	
			-10	3.8	-2.003	-0.0011	-2.5 to 2.5	Pass	
			0	3.8	-1.402	-0.0008	-2.5 to 2.5	Pass	
			10	3.8	-2.217	-0.0012	-2.5 to 2.5	Pass	
			30	3.8	-0.072	0.0000	-2.5 to 2.5	Pass	
40	3.8	-2.003	-0.0011	-2.5 to 2.5	Pass				
50	3.8	0.415	0.0002	-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	3.23	0.744	0.0004	-2.5 to 2.5	Pass
					3.8	2.275	0.0013	-2.5 to 2.5	Pass
					4.37	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.8	2.704	0.0016	-2.5 to 2.5	Pass
				-20	3.8	3.104	0.0018	-2.5 to 2.5	Pass
				-10	3.8	2.546	0.0015	-2.5 to 2.5	Pass
				0	3.8	1.373	0.0008	-2.5 to 2.5	Pass
				10	3.8	1.874	0.0011	-2.5 to 2.5	Pass
				30	3.8	0.486	0.0003	-2.5 to 2.5	Pass
				40	3.8	2.031	0.0012	-2.5 to 2.5	Pass
	50	3.8	1.087	0.0006	-2.5 to 2.5	Pass			
	1745	75	0	20	3.23	4.706	0.0027	-2.5 to 2.5	Pass
					3.8	5.350	0.0031	-2.5 to 2.5	Pass
					4.37	4.635	0.0027	-2.5 to 2.5	Pass
				-30	3.8	4.520	0.0026	-2.5 to 2.5	Pass
				-20	3.8	2.432	0.0014	-2.5 to 2.5	Pass
				-10	3.8	2.632	0.0015	-2.5 to 2.5	Pass
				0	3.8	3.290	0.0019	-2.5 to 2.5	Pass
				10	3.8	2.189	0.0013	-2.5 to 2.5	Pass
				30	3.8	2.832	0.0016	-2.5 to 2.5	Pass
				40	3.8	2.532	0.0015	-2.5 to 2.5	Pass
	50	3.8	4.005	0.0023	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.23	3.719	0.0021	-2.5 to 2.5	Pass
					3.8	2.317	0.0013	-2.5 to 2.5	Pass
					4.37	1.745	0.0010	-2.5 to 2.5	Pass
				-30	3.8	5.150	0.0029	-2.5 to 2.5	Pass
				-20	3.8	3.834	0.0022	-2.5 to 2.5	Pass
				-10	3.8	4.349	0.0025	-2.5 to 2.5	Pass
				0	3.8	4.549	0.0026	-2.5 to 2.5	Pass
				10	3.8	3.104	0.0018	-2.5 to 2.5	Pass
30				3.8	3.519	0.0020	-2.5 to 2.5	Pass	
40				3.8	3.004	0.0017	-2.5 to 2.5	Pass	
50	3.8	3.176	0.0018	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.23	2.489	0.0014	-2.5 to 2.5	Pass
					3.8	1.144	0.0007	-2.5 to 2.5	Pass
					4.37	1.860	0.0011	-2.5 to 2.5	Pass
				-30	3.8	3.018	0.0018	-2.5 to 2.5	Pass
				-20	3.8	0.873	0.0005	-2.5 to 2.5	Pass
				-10	3.8	0.286	0.0002	-2.5 to 2.5	Pass
				0	3.8	2.060	0.0012	-2.5 to 2.5	Pass
				10	3.8	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.8	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.8	2.317	0.0013	-2.5 to 2.5	Pass
	50	3.8	1.802	0.0010	-2.5 to 2.5	Pass			
	1745	75	0	20	3.23	2.332	0.0013	-2.5 to 2.5	Pass
					3.8	4.821	0.0028	-2.5 to 2.5	Pass
					4.37	1.860	0.0011	-2.5 to 2.5	Pass
-30				3.8	2.260	0.0013	-2.5 to 2.5	Pass	
-20	3.8	3.977	0.0023	-2.5 to 2.5	Pass				

				-10	3.8	3.419	0.0020	-2.5 to 2.5	Pass
				0	3.8	2.990	0.0017	-2.5 to 2.5	Pass
				10	3.8	2.818	0.0016	-2.5 to 2.5	Pass
				30	3.8	1.645	0.0009	-2.5 to 2.5	Pass
				40	3.8	3.877	0.0022	-2.5 to 2.5	Pass
				50	3.8	4.735	0.0027	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.23	3.161	0.0018	-2.5 to 2.5	Pass
					3.8	2.260	0.0013	-2.5 to 2.5	Pass
					4.37	-0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.8	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.8	-0.944	-0.0005	-2.5 to 2.5	Pass
				-10	3.8	-1.173	-0.0007	-2.5 to 2.5	Pass
				0	3.8	-0.615	-0.0003	-2.5 to 2.5	Pass
				10	3.8	-0.558	-0.0003	-2.5 to 2.5	Pass
				30	3.8	-2.303	-0.0013	-2.5 to 2.5	Pass
				40	3.8	2.275	0.0013	-2.5 to 2.5	Pass
				50	3.8	0.944	0.0005	-2.5 to 2.5	Pass

2.6 B66_20MHz

2.6.1 Test Result

Band: 66 / Bandwidth: 20MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1720	100	0	20	3.23	1.960	0.0011	-2.5 to 2.5	Pass			
					3.8	1.101	0.0006	-2.5 to 2.5	Pass			
					4.37	1.988	0.0012	-2.5 to 2.5	Pass			
				-30	3.8	1.101	0.0006	-2.5 to 2.5	Pass			
				-20	3.8	3.304	0.0019	-2.5 to 2.5	Pass			
				-10	3.8	0.358	0.0002	-2.5 to 2.5	Pass			
				0	3.8	0.687	0.0004	-2.5 to 2.5	Pass			
				10	3.8	-0.458	-0.0003	-2.5 to 2.5	Pass			
				30	3.8	-1.287	-0.0007	-2.5 to 2.5	Pass			
				40	3.8	0.114	0.0001	-2.5 to 2.5	Pass			
				50	3.8	1.974	0.0011	-2.5 to 2.5	Pass			
				1745	100	0	20	3.23	1.431	0.0008	-2.5 to 2.5	Pass
								3.8	0.358	0.0002	-2.5 to 2.5	Pass
								4.37	0.100	0.0001	-2.5 to 2.5	Pass
							-30	3.8	-0.830	-0.0005	-2.5 to 2.5	Pass
	-20	3.8	0.157				0.0001	-2.5 to 2.5	Pass			
	-10	3.8	-0.916				-0.0005	-2.5 to 2.5	Pass			
	0	3.8	0.229				0.0001	-2.5 to 2.5	Pass			
	10	3.8	-1.545				-0.0009	-2.5 to 2.5	Pass			
	30	3.8	-1.874				-0.0011	-2.5 to 2.5	Pass			
	40	3.8	-2.847				-0.0016	-2.5 to 2.5	Pass			
	50	3.8	-2.060				-0.0012	-2.5 to 2.5	Pass			
	1770	100	0				20	3.23	-1.316	-0.0007	-2.5 to 2.5	Pass
								3.8	-1.302	-0.0007	-2.5 to 2.5	Pass
								4.37	-0.186	-0.0001	-2.5 to 2.5	Pass
							-30	3.8	-0.815	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	-0.200	-0.0001	-2.5 to 2.5	Pass			
				-10	3.8	0.386	0.0002	-2.5 to 2.5	Pass			
				0	3.8	0.801	0.0005	-2.5 to 2.5	Pass			
				10	3.8	-0.815	-0.0005	-2.5 to 2.5	Pass			

				30	3.8	0.057	0.0000	-2.5 to 2.5	Pass
				40	3.8	-0.386	-0.0002	-2.5 to 2.5	Pass
				50	3.8	-1.030	-0.0006	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.23	0.157	0.0001	-2.5 to 2.5	Pass
					3.8	1.059	0.0006	-2.5 to 2.5	Pass
					4.37	0.472	0.0003	-2.5 to 2.5	Pass
				-30	3.8	-0.401	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	1.502	0.0009	-2.5 to 2.5	Pass
				0	3.8	0.658	0.0004	-2.5 to 2.5	Pass
				10	3.8	0.644	0.0004	-2.5 to 2.5	Pass
				30	3.8	1.130	0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.443	-0.0003	-2.5 to 2.5	Pass
				50	3.8	1.044	0.0006	-2.5 to 2.5	Pass
				1745	100	0	20	3.23	0.629
	3.8	0.215	0.0001					-2.5 to 2.5	Pass
	4.37	-2.761	-0.0016					-2.5 to 2.5	Pass
	-30	3.8	-1.702				-0.0010	-2.5 to 2.5	Pass
	-20	3.8	-0.758				-0.0004	-2.5 to 2.5	Pass
	-10	3.8	-0.114				-0.0001	-2.5 to 2.5	Pass
	0	3.8	-0.272				-0.0002	-2.5 to 2.5	Pass
	10	3.8	0.801				0.0005	-2.5 to 2.5	Pass
	30	3.8	-0.644				-0.0004	-2.5 to 2.5	Pass
	40	3.8	0.772				0.0004	-2.5 to 2.5	Pass
	50	3.8	0.544				0.0003	-2.5 to 2.5	Pass
	1770	100	0				20	3.23	0.086
				3.8	-2.747	-0.0016		-2.5 to 2.5	Pass
				4.37	-2.861	-0.0016		-2.5 to 2.5	Pass
				-30	3.8	-3.362	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	-1.230	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-3.805	-0.0021	-2.5 to 2.5	Pass
				0	3.8	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	3.8	-1.631	-0.0009	-2.5 to 2.5	Pass
30				3.8	-1.330	-0.0008	-2.5 to 2.5	Pass	
40				3.8	-0.286	-0.0002	-2.5 to 2.5	Pass	
50				3.8	-1.187	-0.0007	-2.5 to 2.5	Pass	

3. Modulation Characteristics

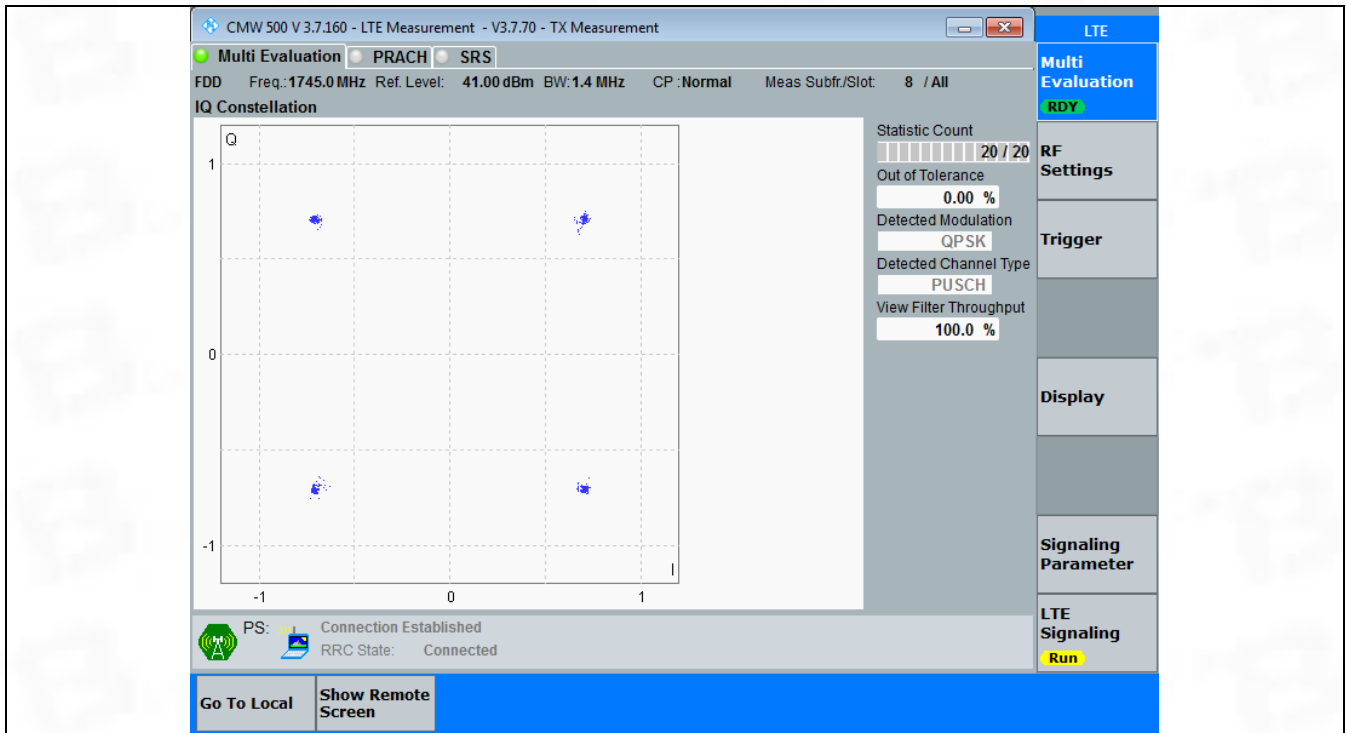
3.1 B66_1.4MHz

3.1.1 Test Result

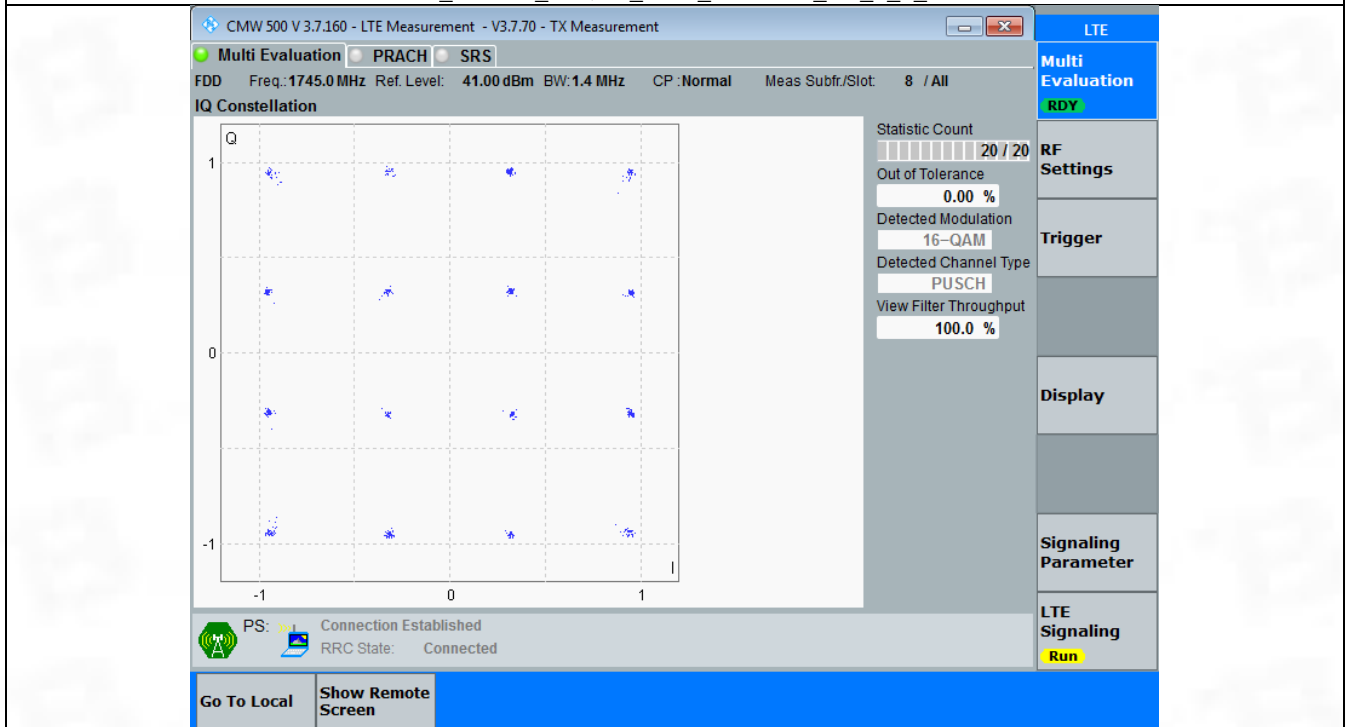
Band: 66 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	6	0	Refer To Test Graph		Pass
16QAM	1745	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTV



Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

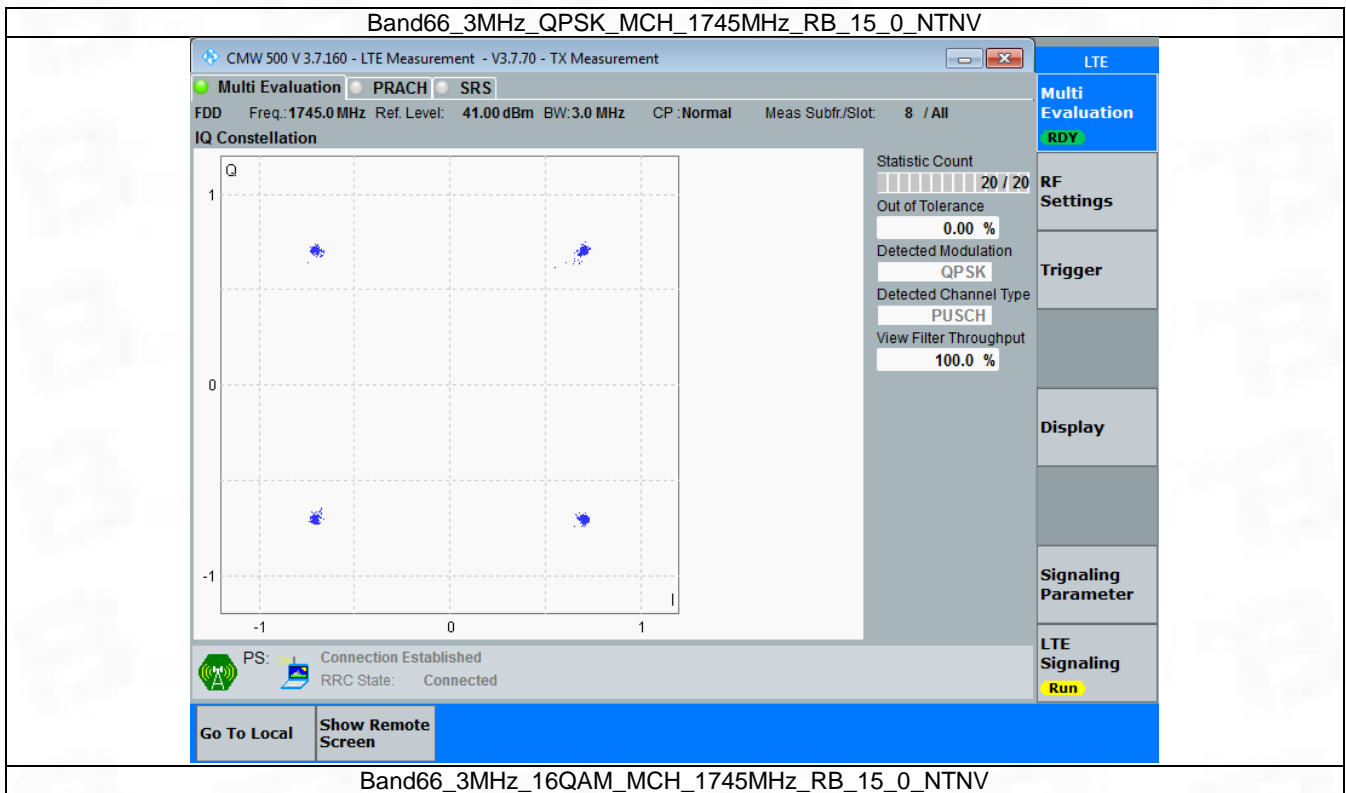


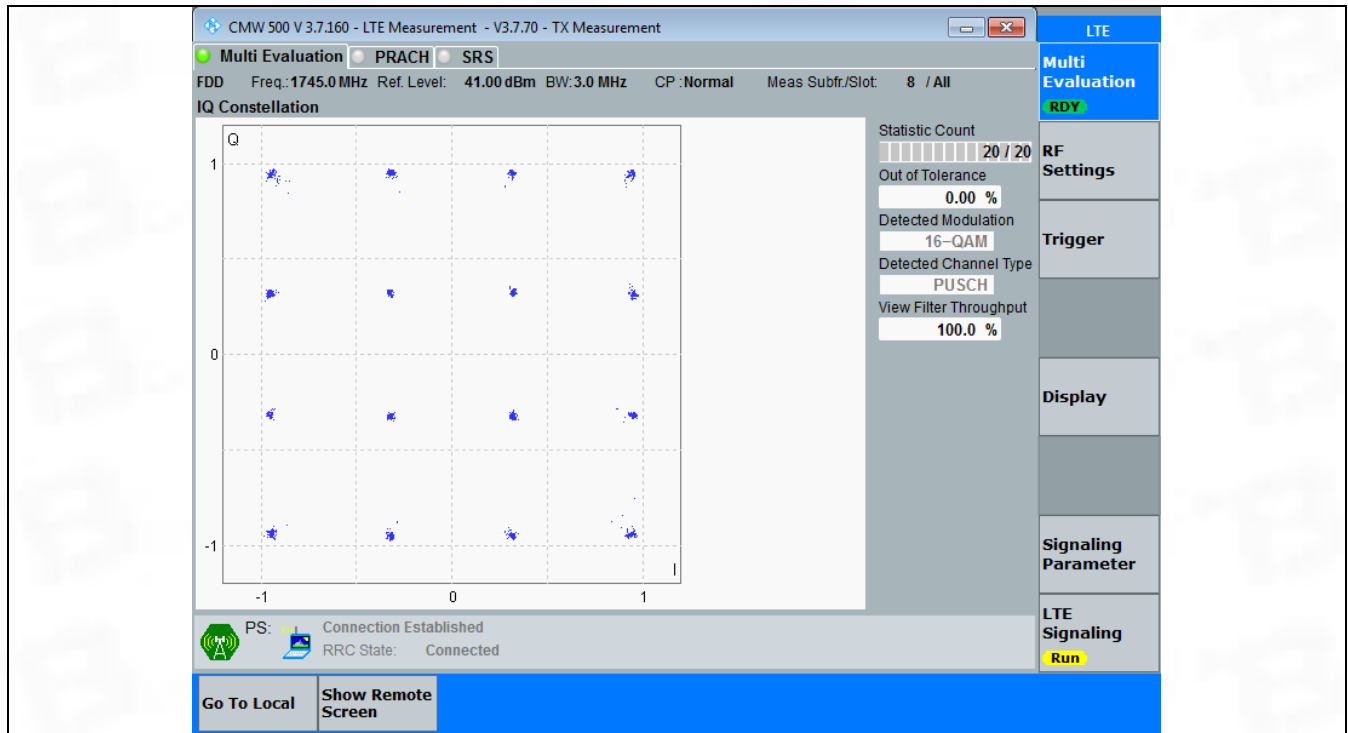
3.2 B66_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph





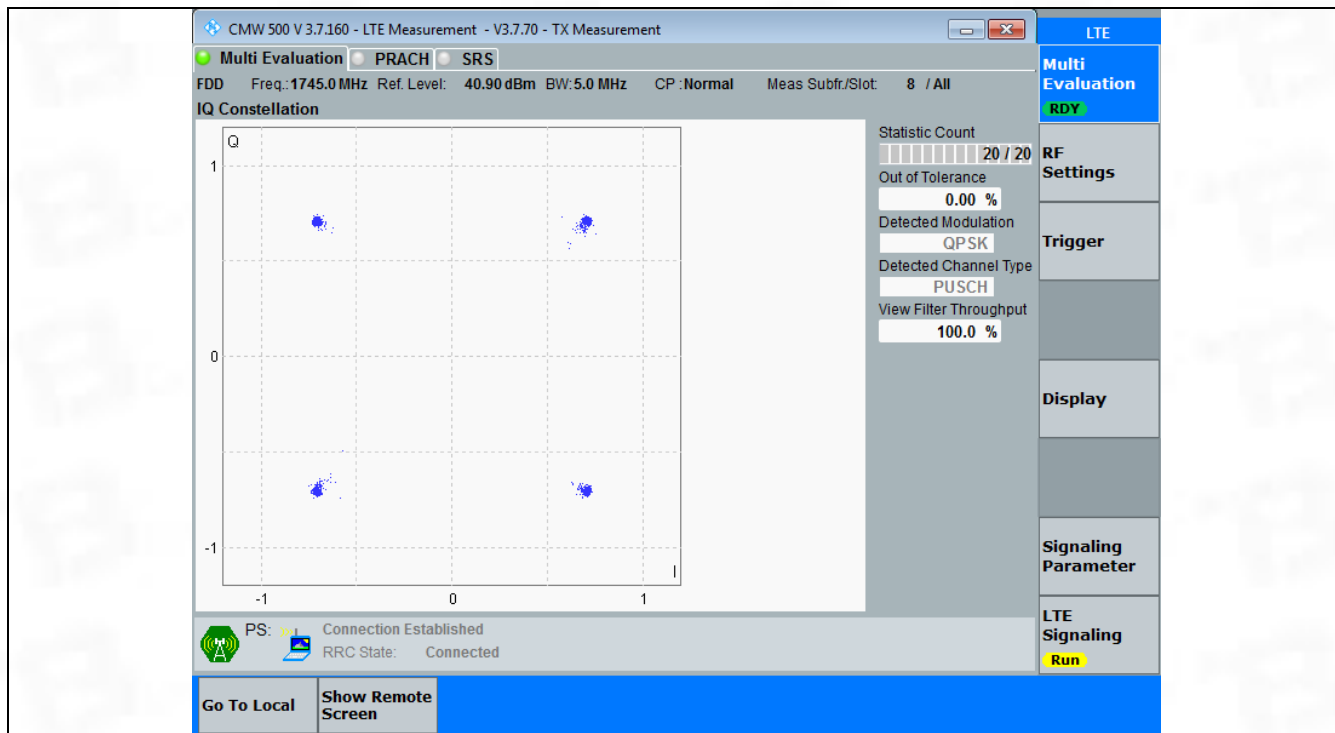
3.3 B66_5MHz

3.3.1 Test Result

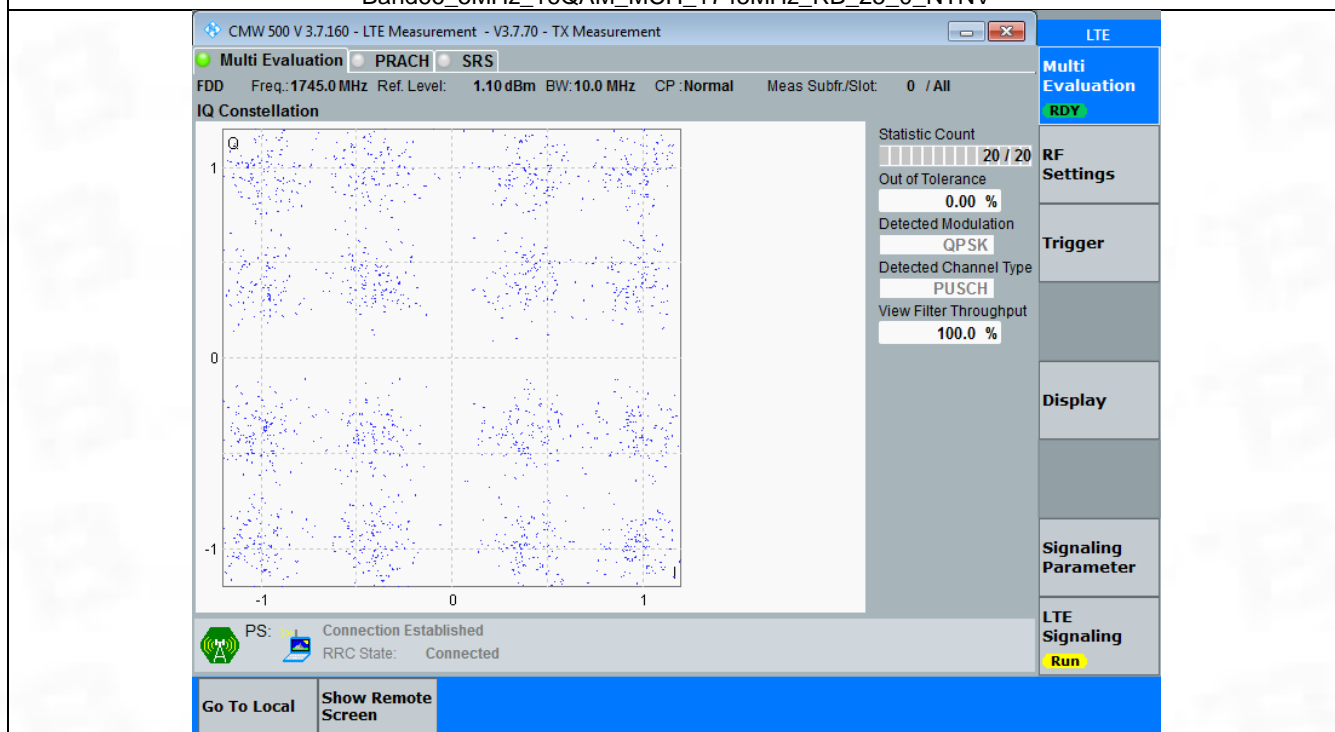
Band: 66 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	25	0	Refer To Test Graph		Pass
16QAM	1745	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV

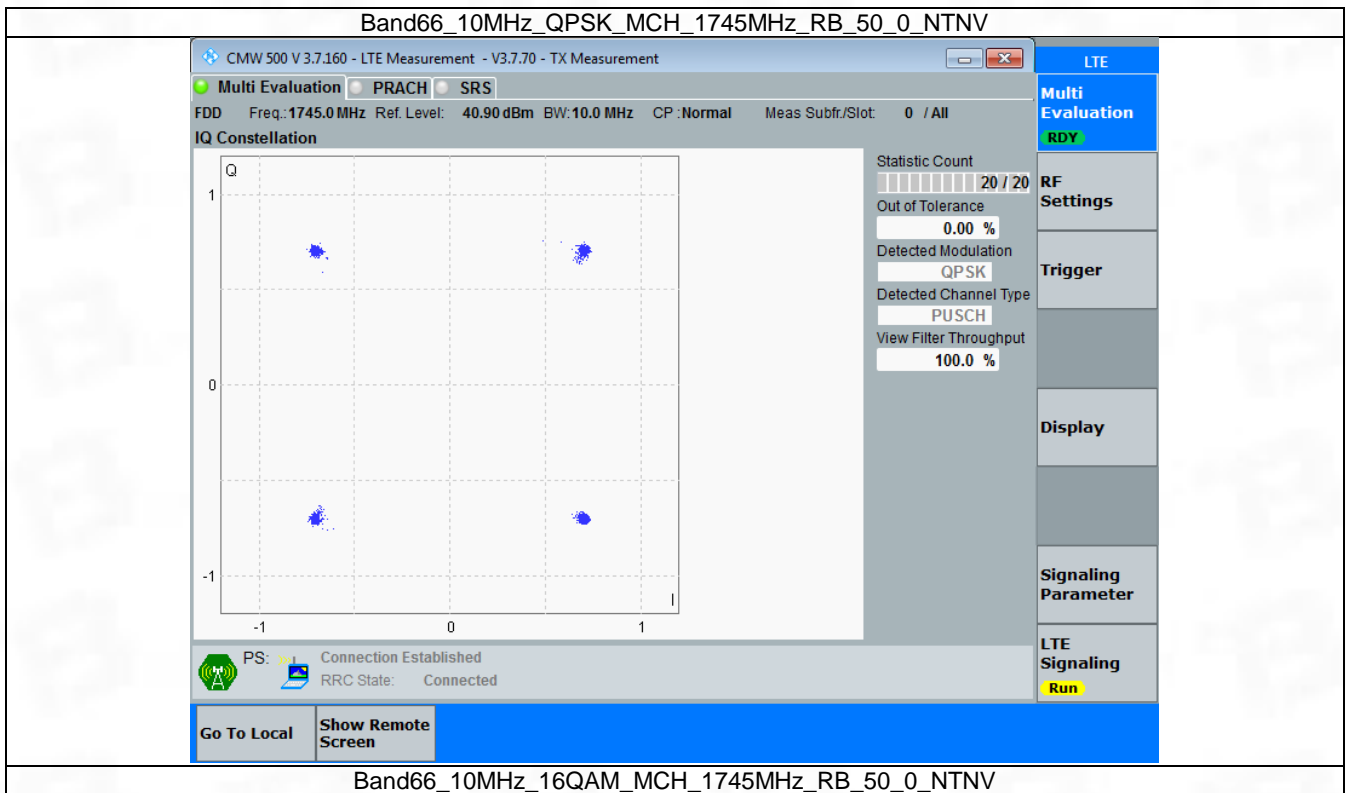


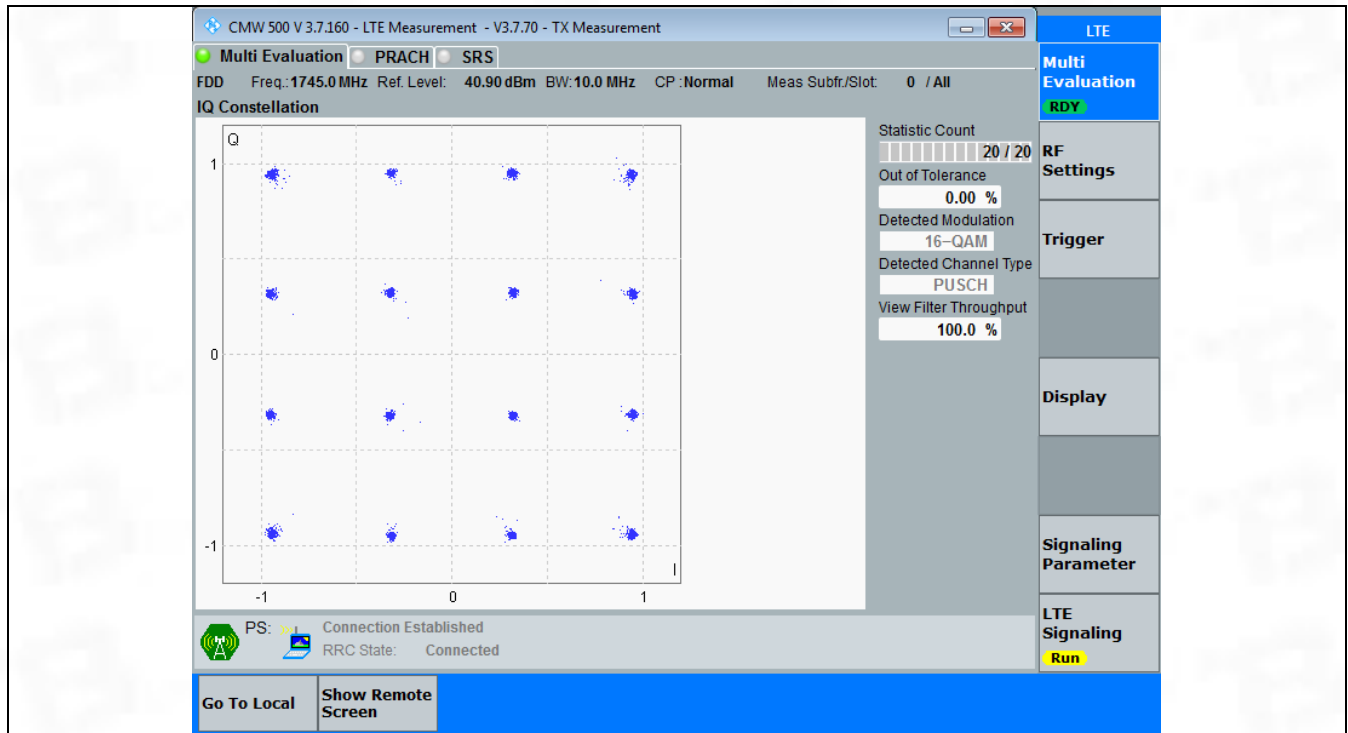
3.4 B66_10MHz

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





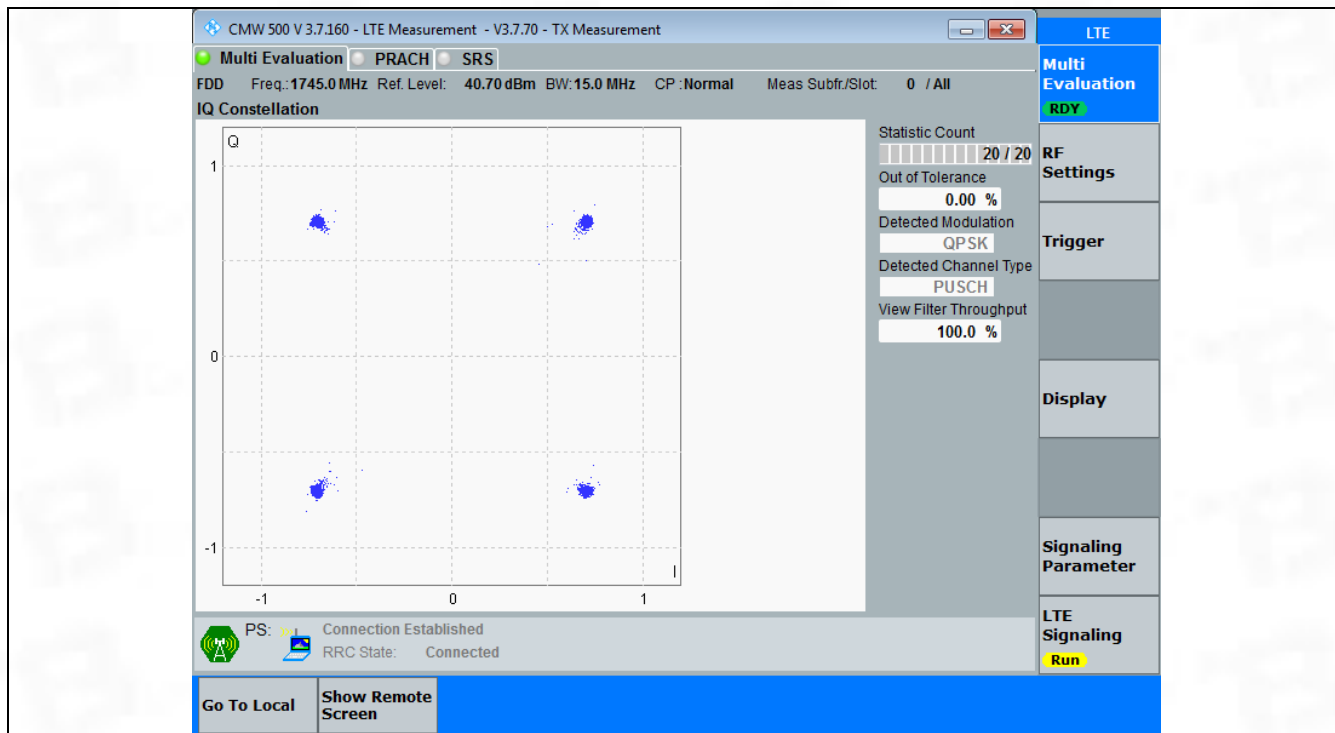
3.5 B66_15MHz

3.5.1 Test Result

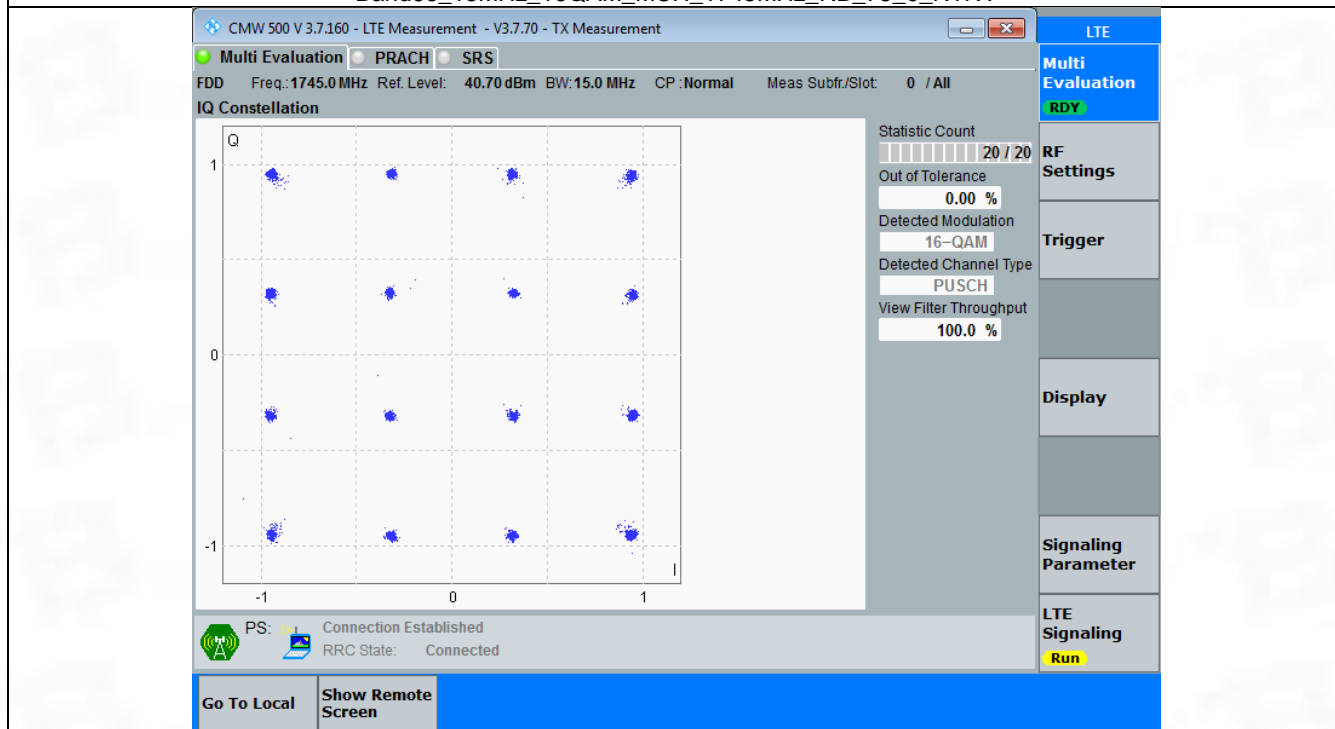
Band: 66 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass
16QAM	1745	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTV



Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV

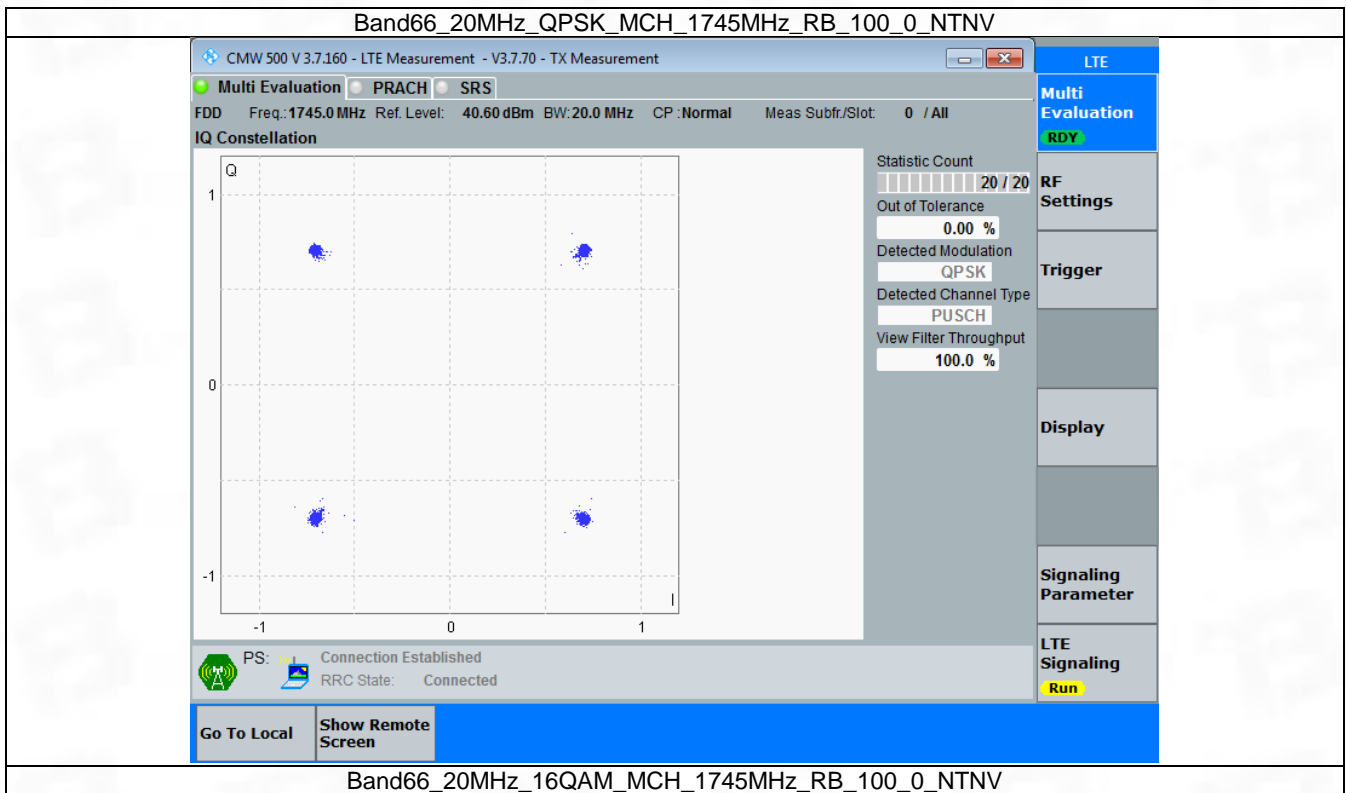


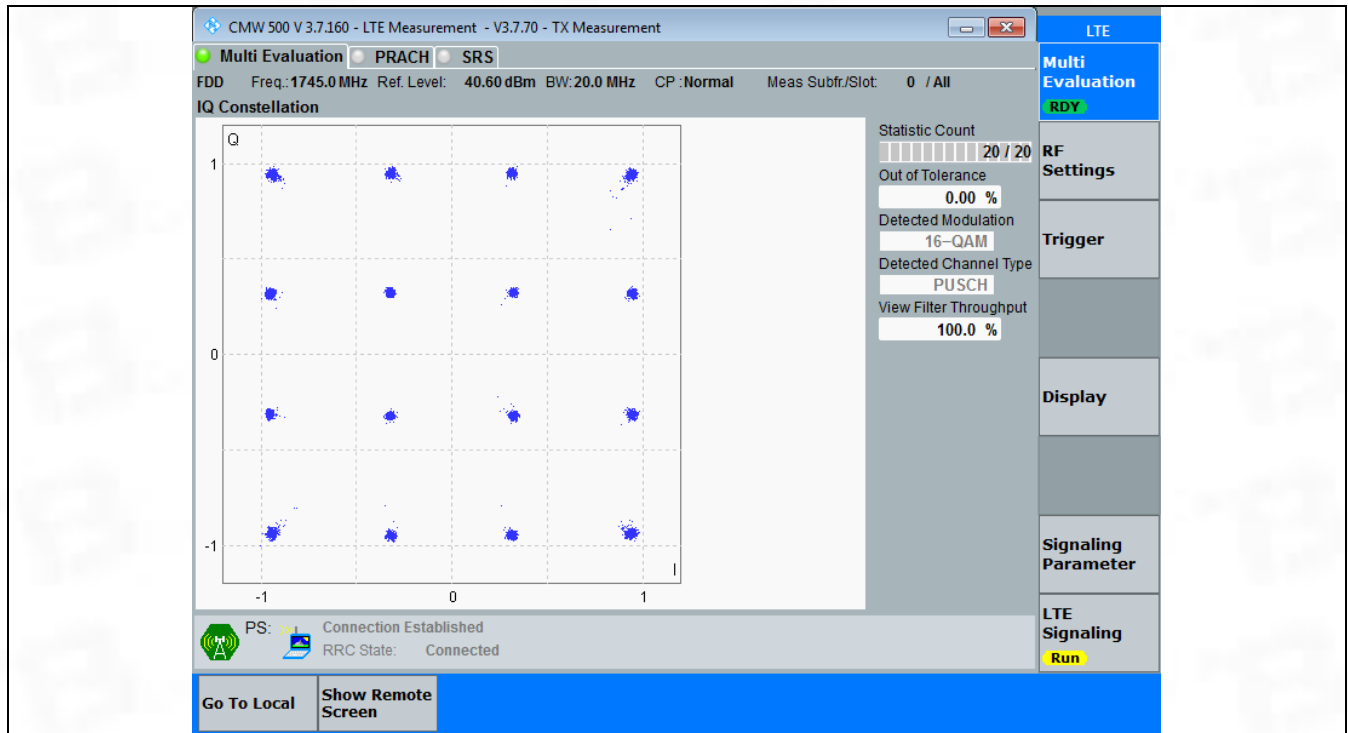
3.6 B66_20MHz

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

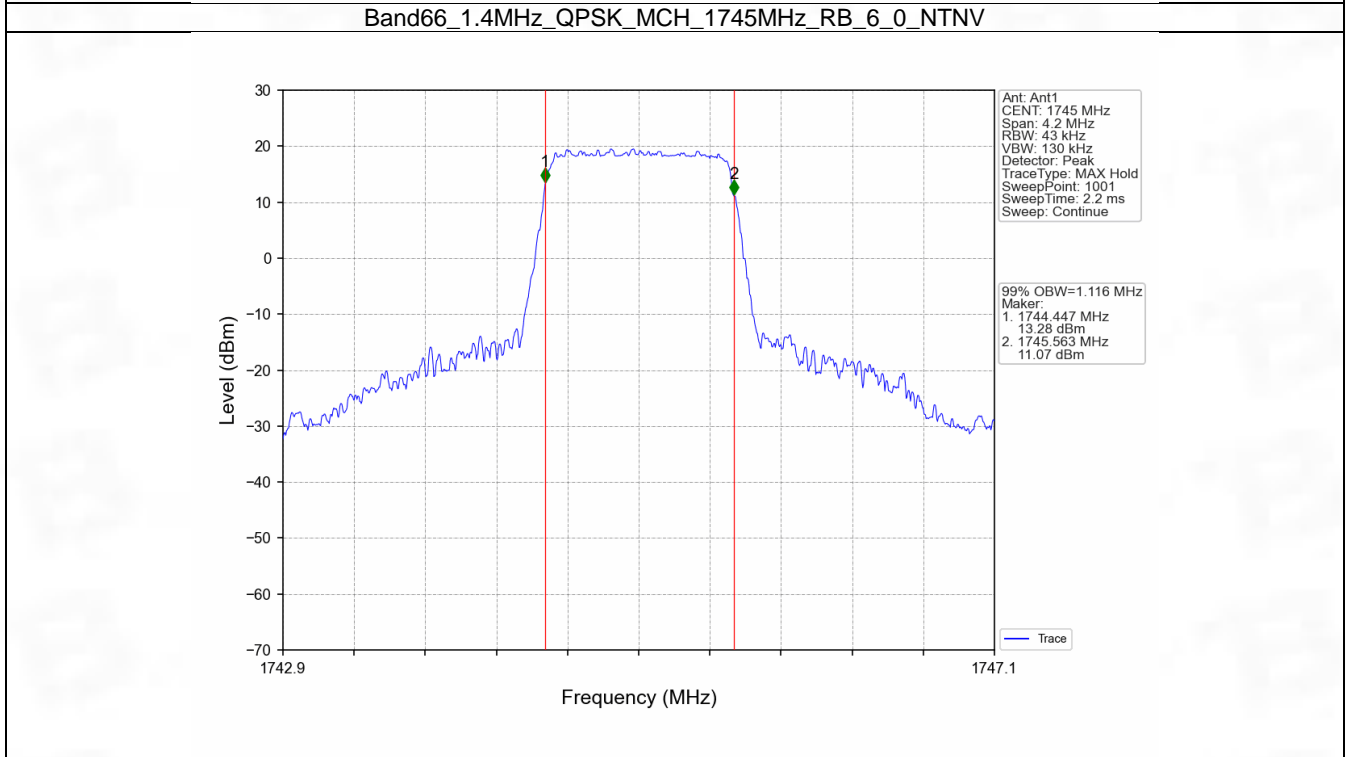
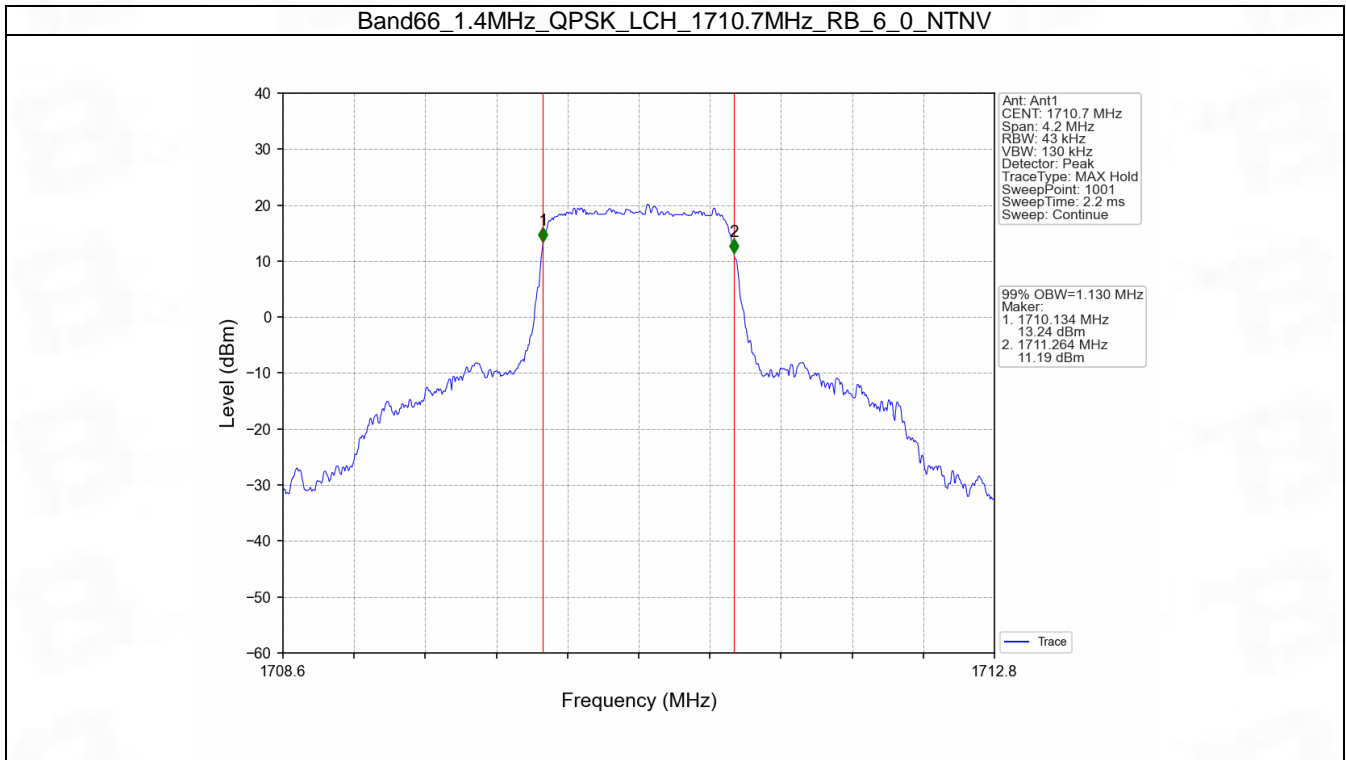
4.1 Band66_OBW

4.1.1 Test Result

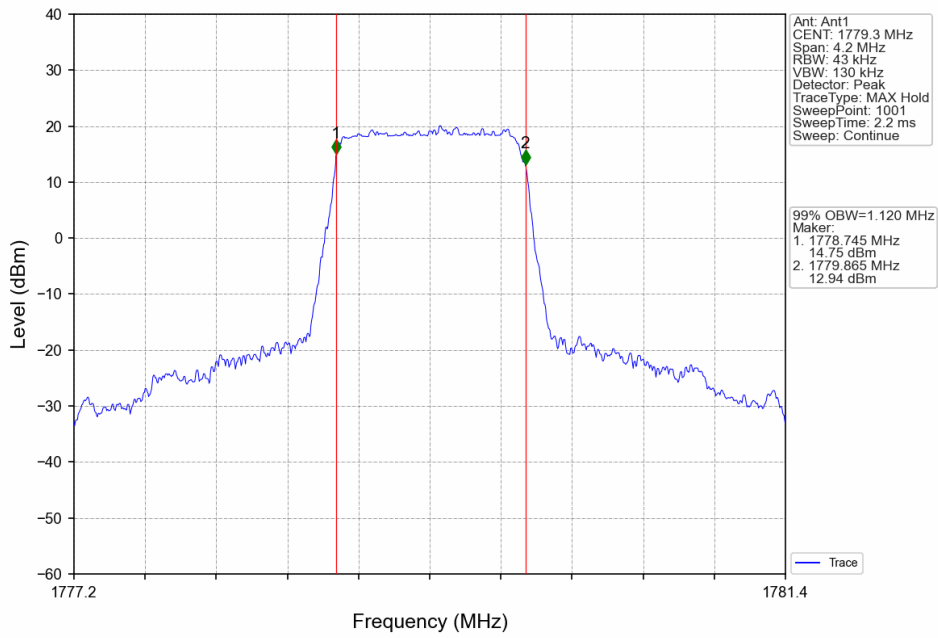
Band: 66 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.130	Pass
		1745	6	0	1.116	Pass
		1779.3	6	0	1.120	Pass
	16QAM	1710.7	6	0	1.123	Pass
		1745	6	0	1.104	Pass
		1779.3	6	0	1.118	Pass
3	QPSK	1711.5	15	0	2.737	Pass
		1745	15	0	2.733	Pass
		1778.5	15	0	2.724	Pass
	16QAM	1711.5	15	0	2.732	Pass
		1745	15	0	2.724	Pass
		1778.5	15	0	2.732	Pass
5	QPSK	1712.5	25	0	4.553	Pass
		1745	25	0	4.537	Pass
		1777.5	25	0	4.566	Pass
	16QAM	1712.5	25	0	4.568	Pass
		1745	25	0	4.555	Pass

		1777.5	25	0	4.535	Pass
10	QPSK	1715	50	0	9.091	Pass
		1745	50	0	9.055	Pass
		1775	50	0	9.095	Pass
		1715	50	0	9.076	Pass
	16QAM	1745	50	0	9.043	Pass
		1775	50	0	9.081	Pass
15		QPSK	1717.5	75	0	13.641
	1745		75	0	13.604	Pass
	1772.5		75	0	13.633	Pass
	16QAM	1717.5	75	0	13.626	Pass
		1745	75	0	13.623	Pass
		1772.5	75	0	13.629	Pass
20	QPSK	1720	100	0	18.140	Pass
		1745	100	0	18.110	Pass
		1770	100	0	18.082	Pass
	16QAM	1720	100	0	18.133	Pass
		1745	100	0	18.165	Pass
		1770	100	0	18.155	Pass

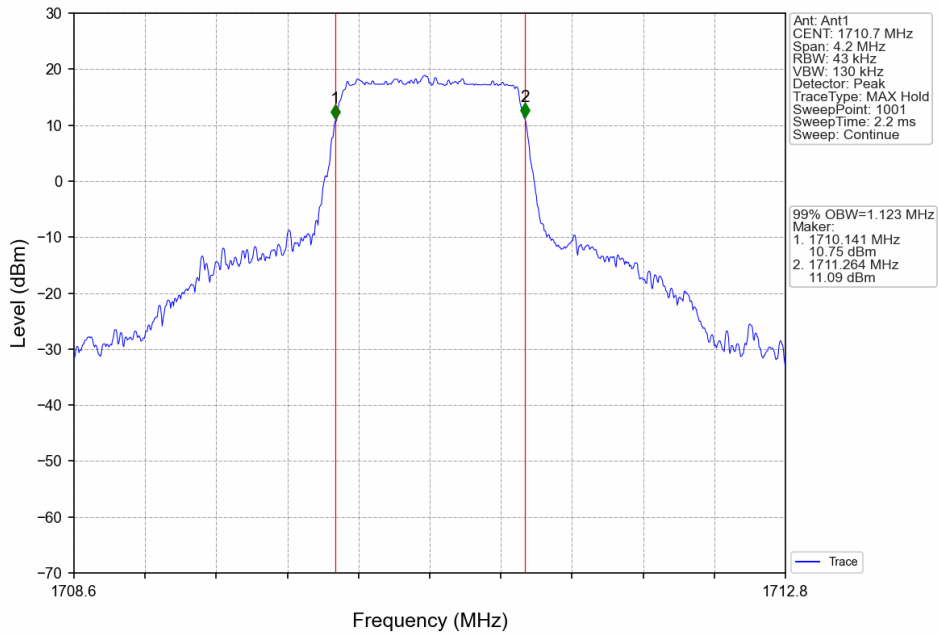
4.1.2 Test Graph



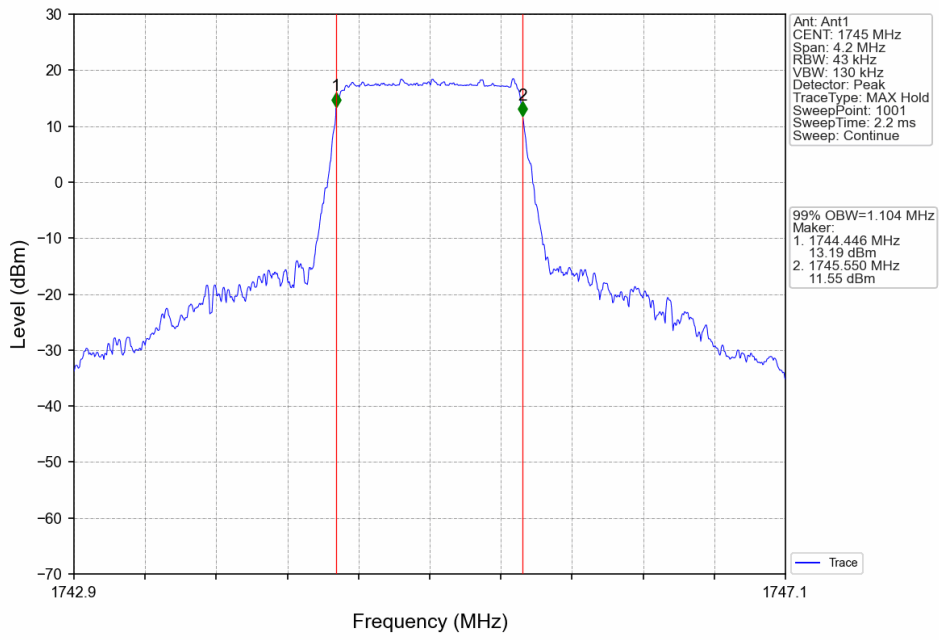
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



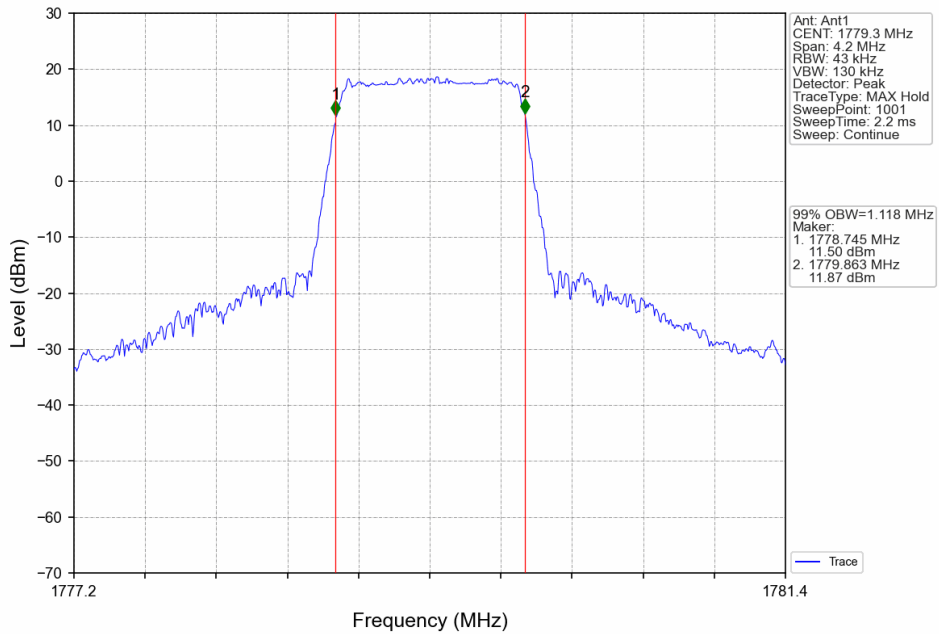
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



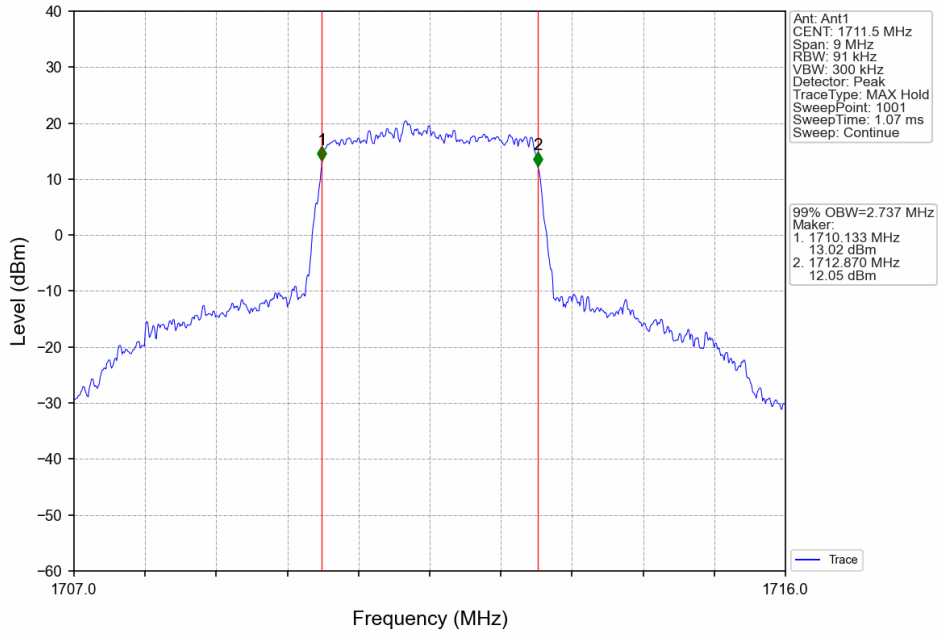
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



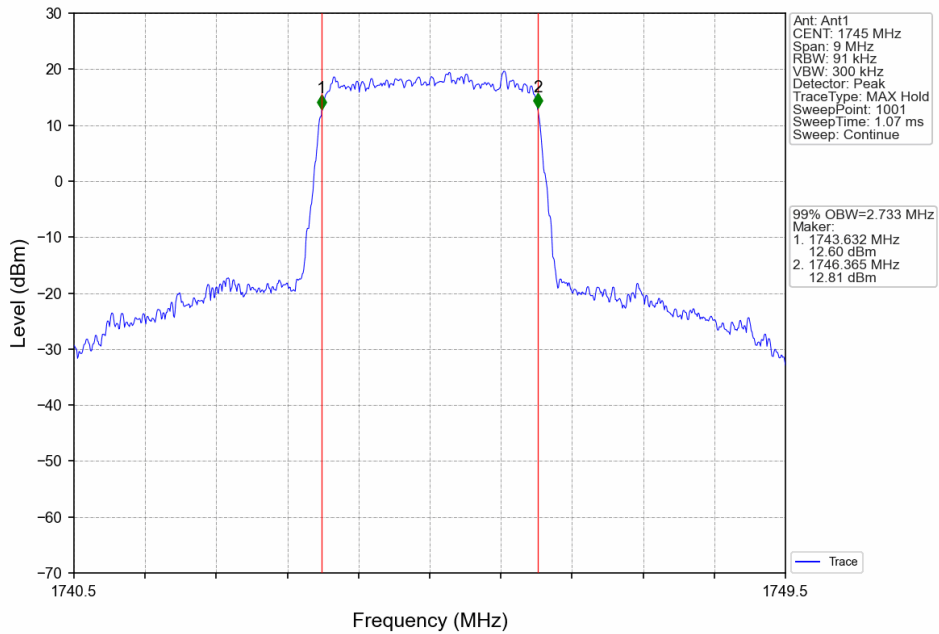
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



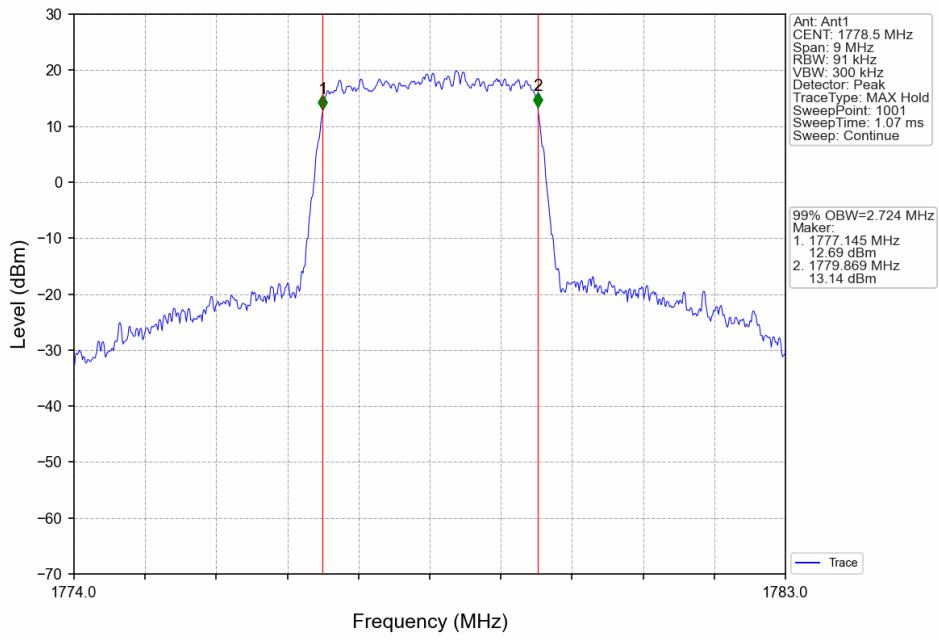
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



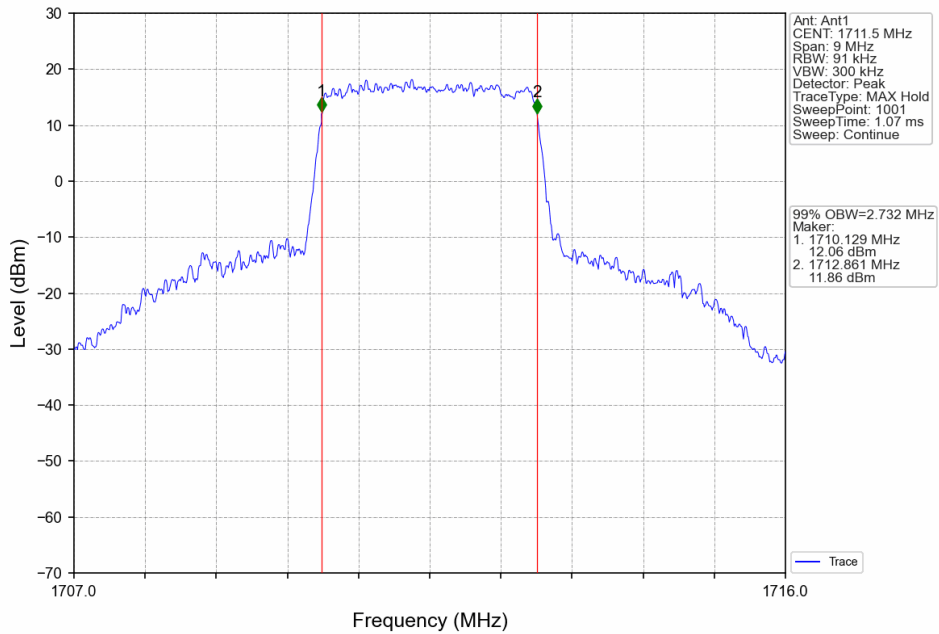
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



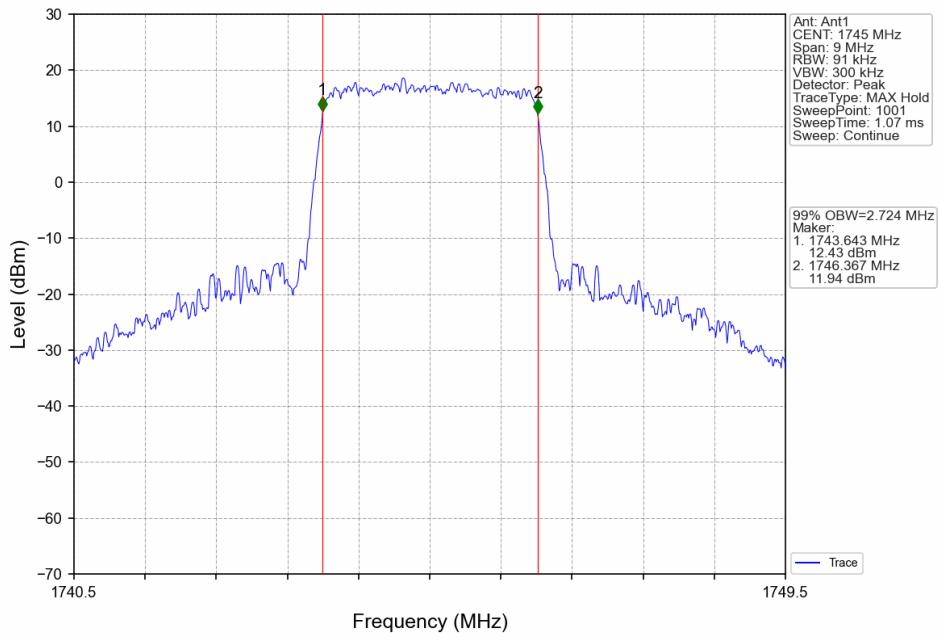
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



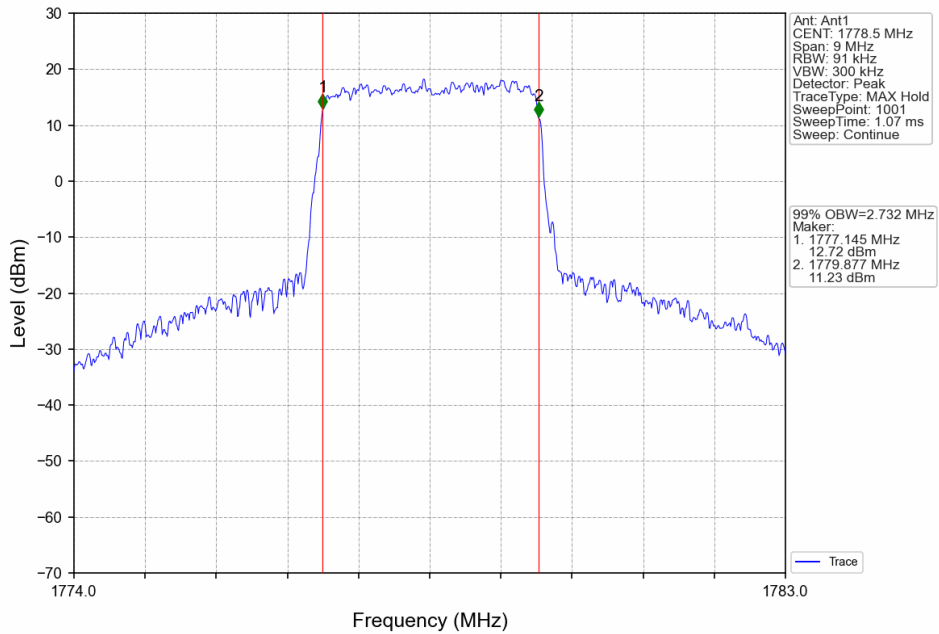
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



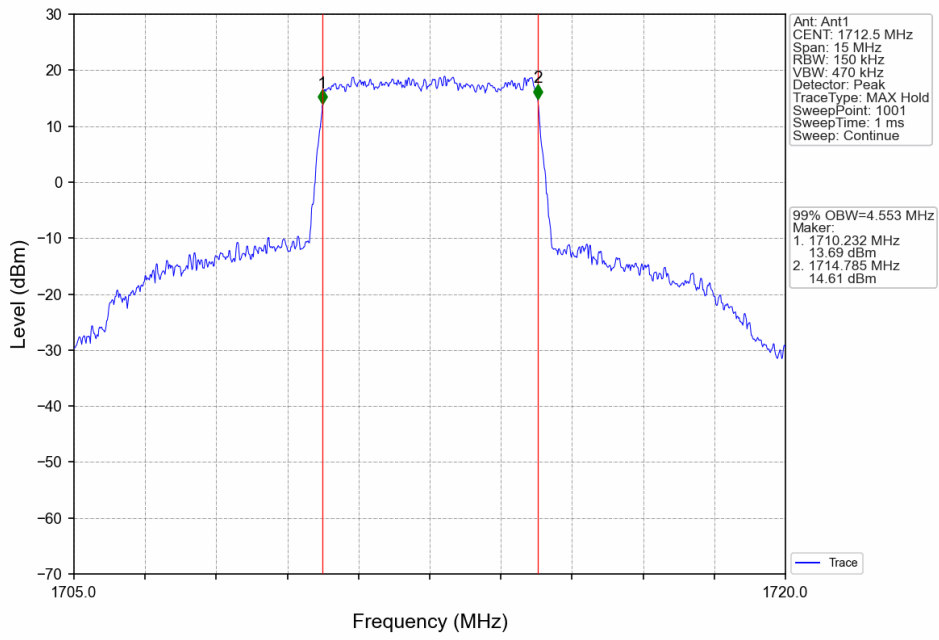
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



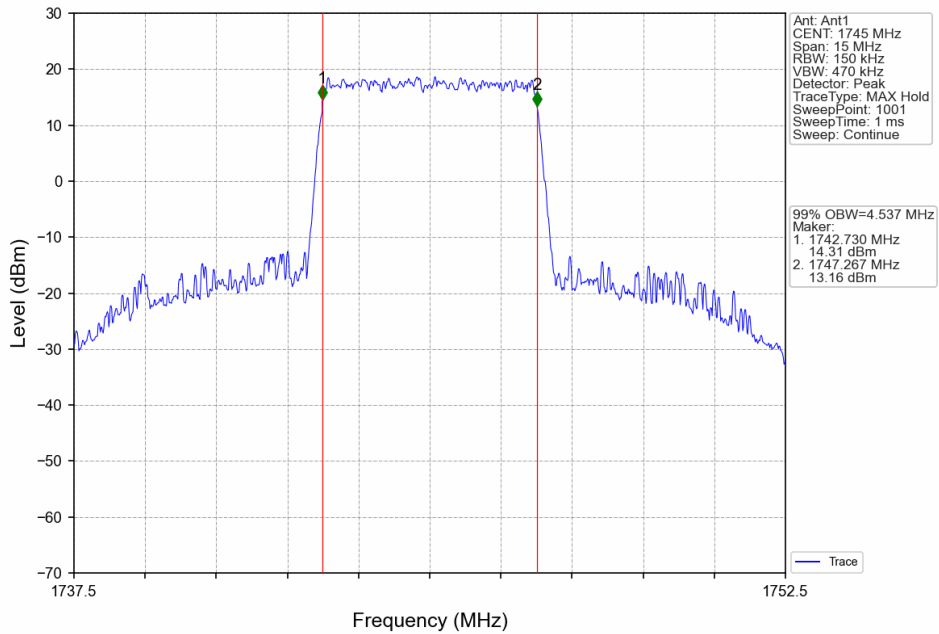
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



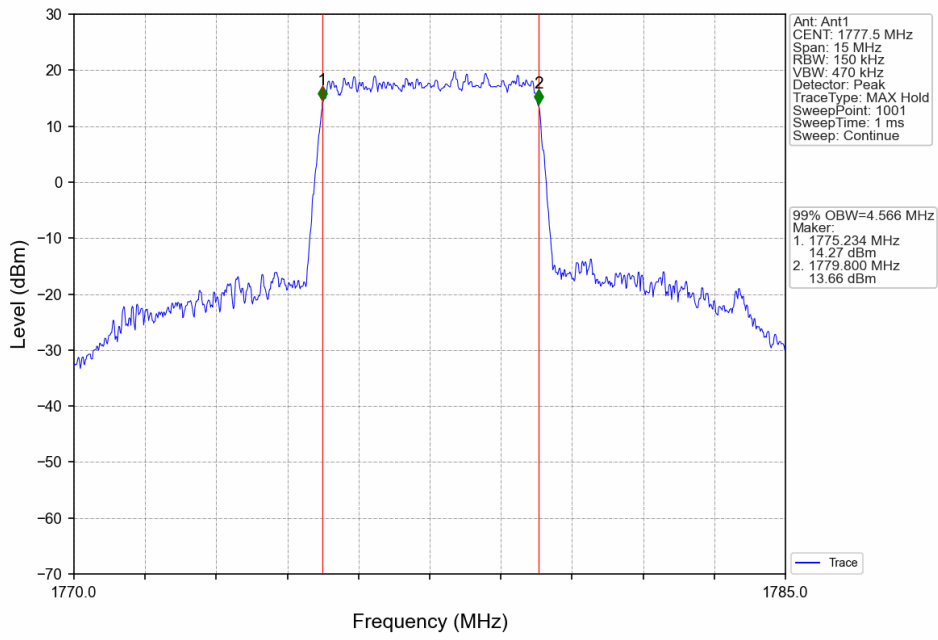
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



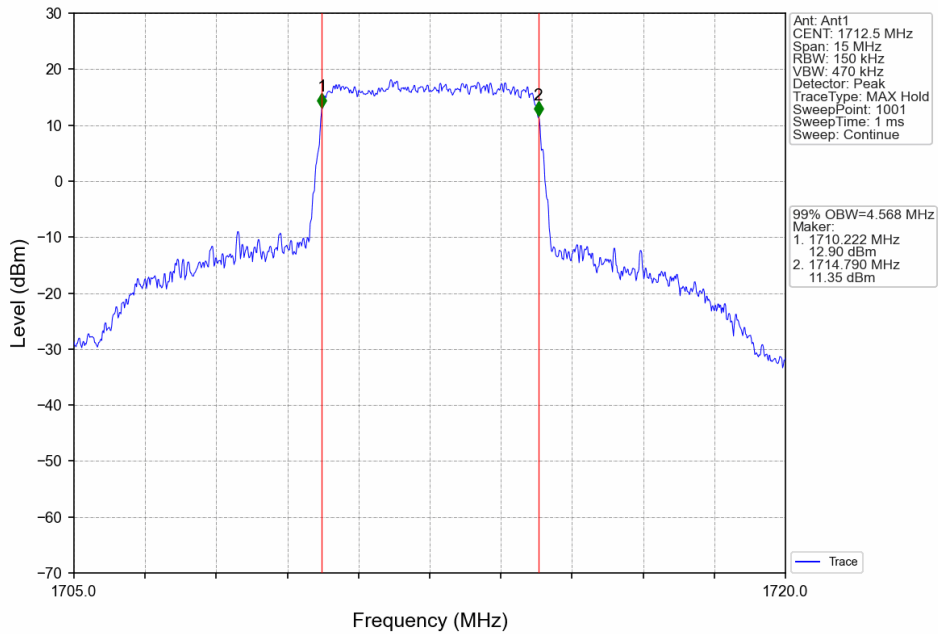
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



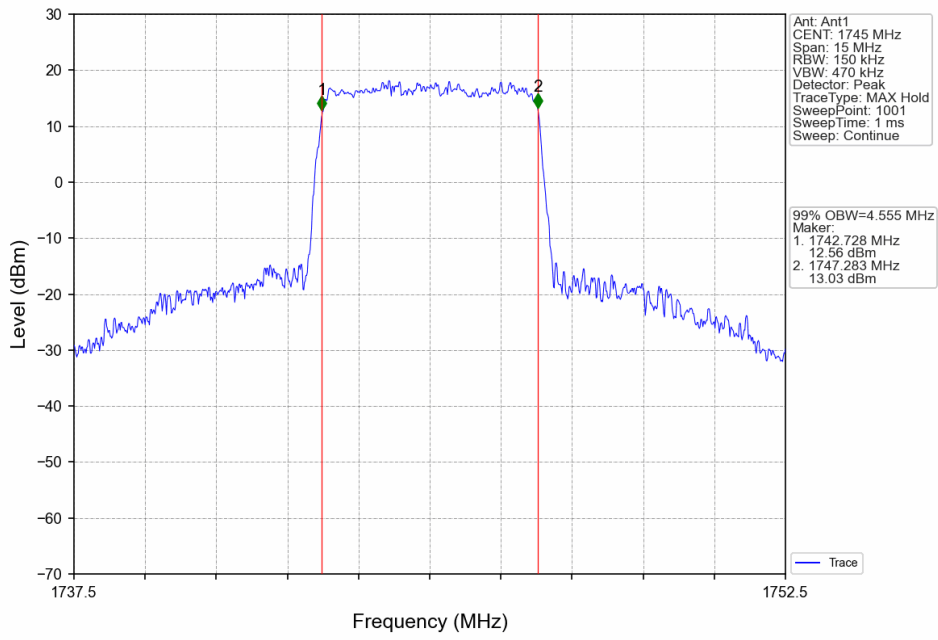
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



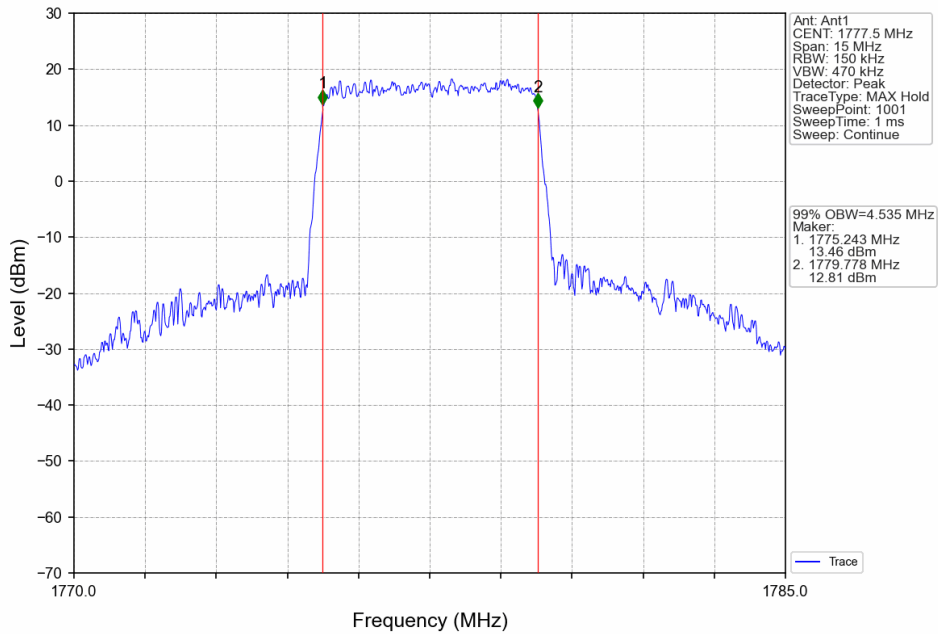
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



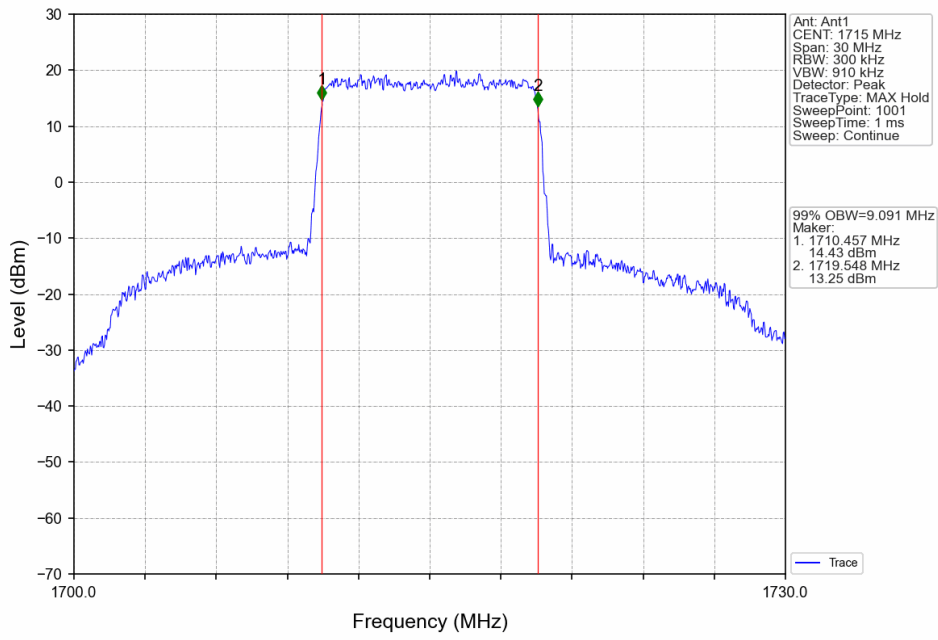
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



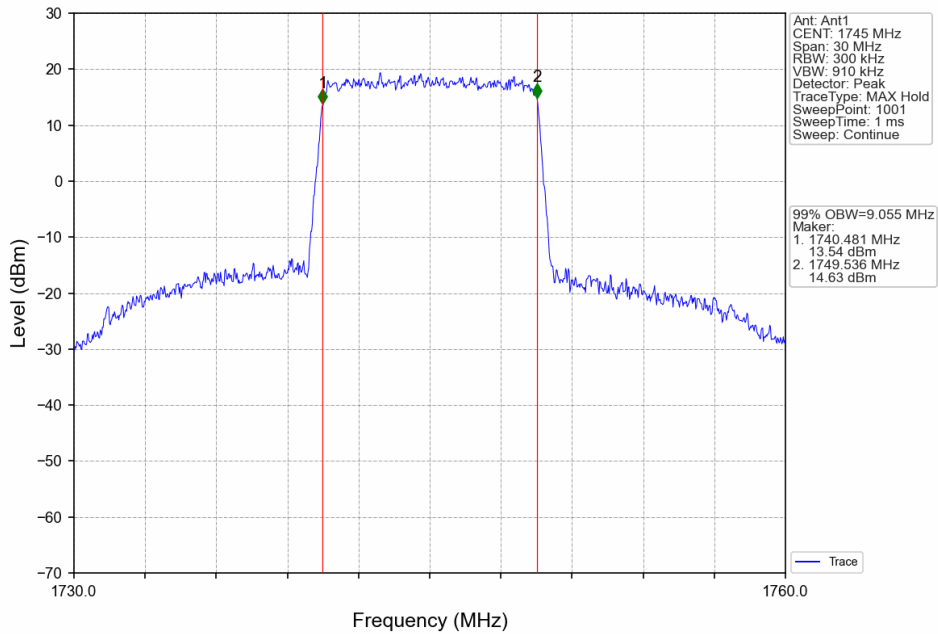
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



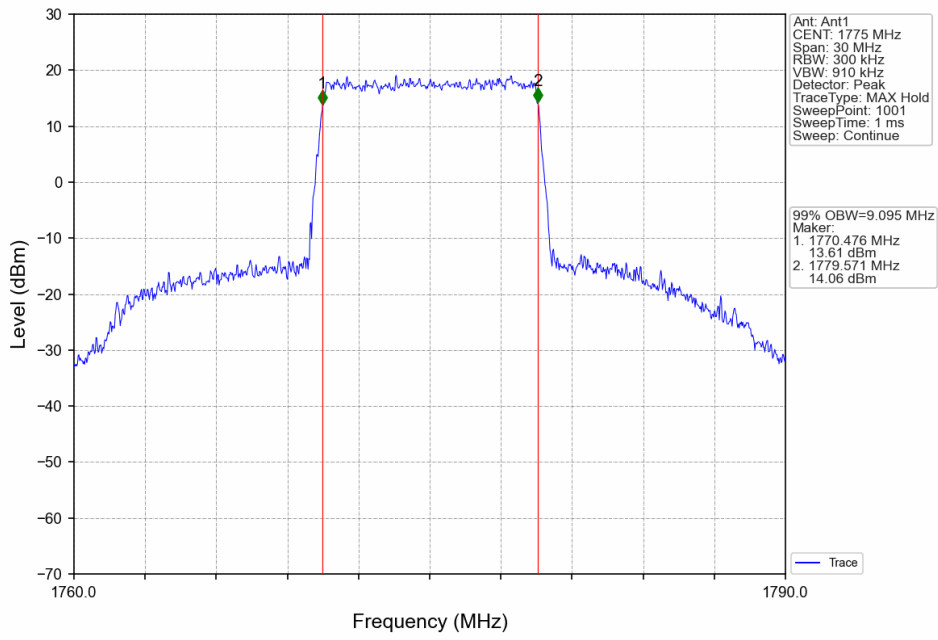
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



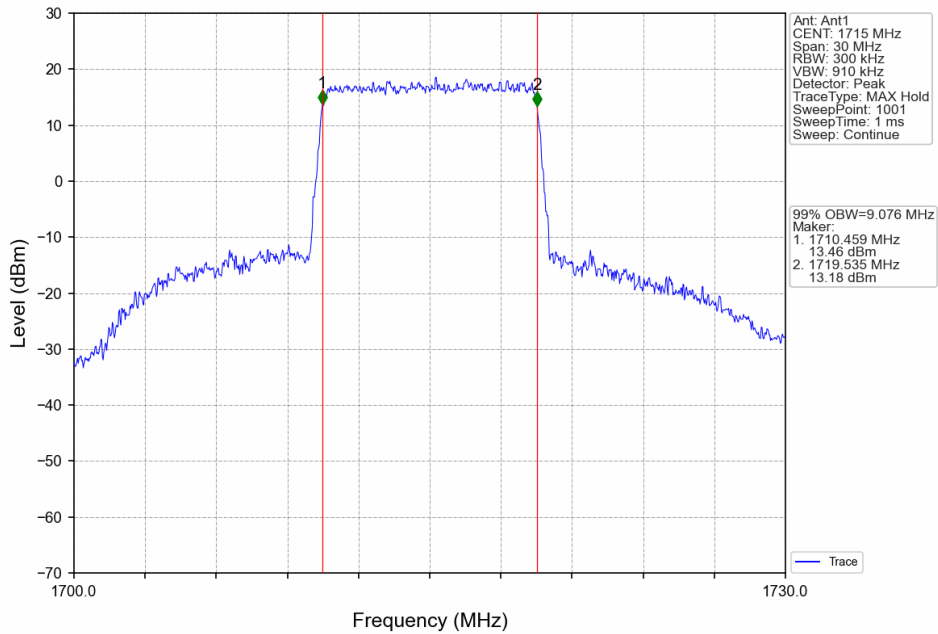
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



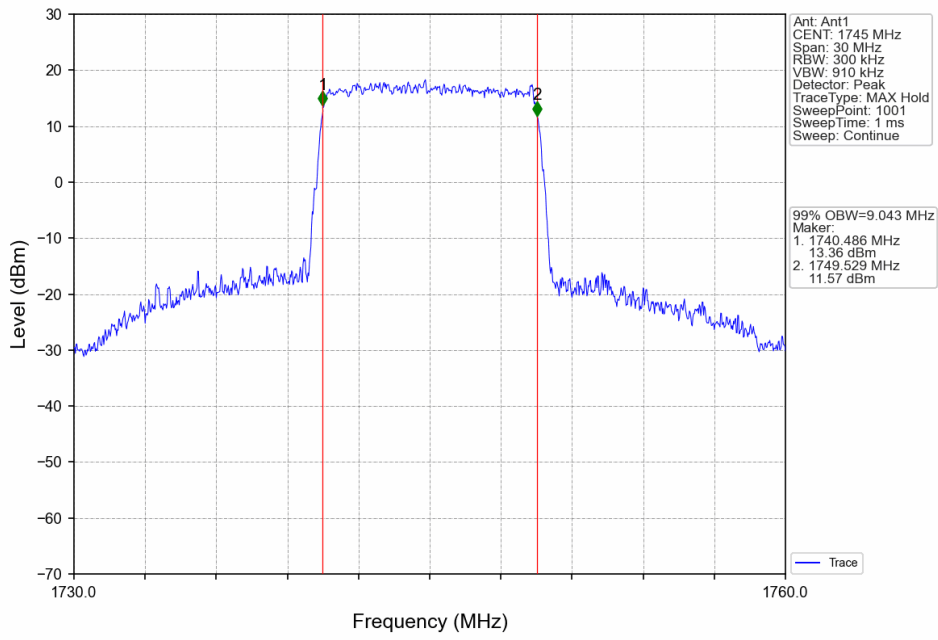
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



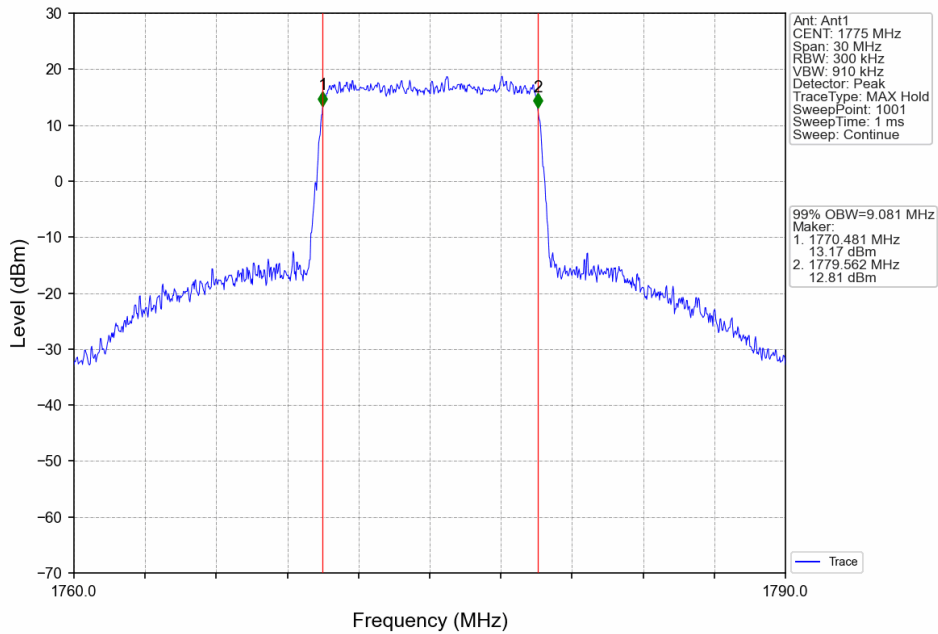
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



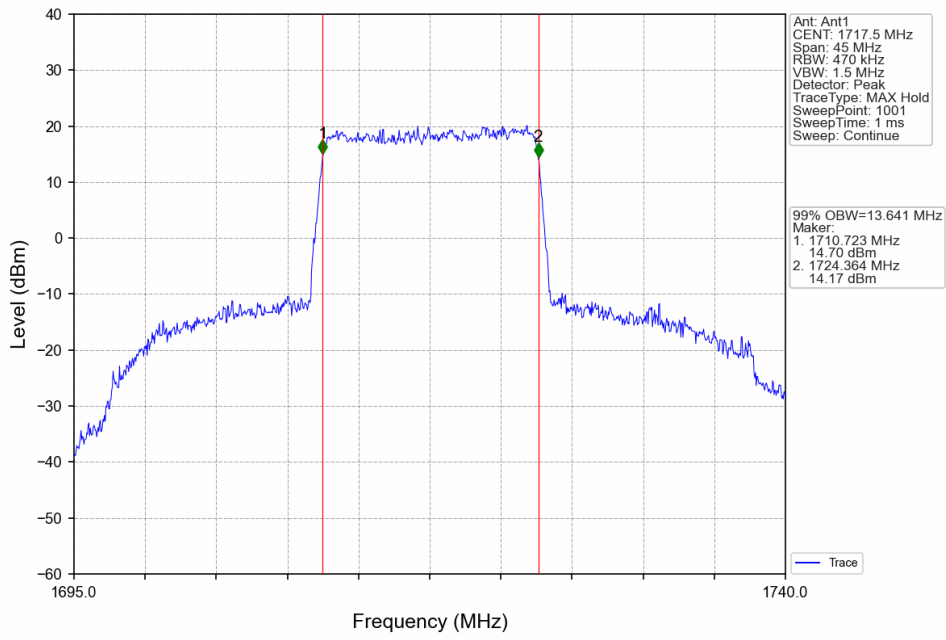
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



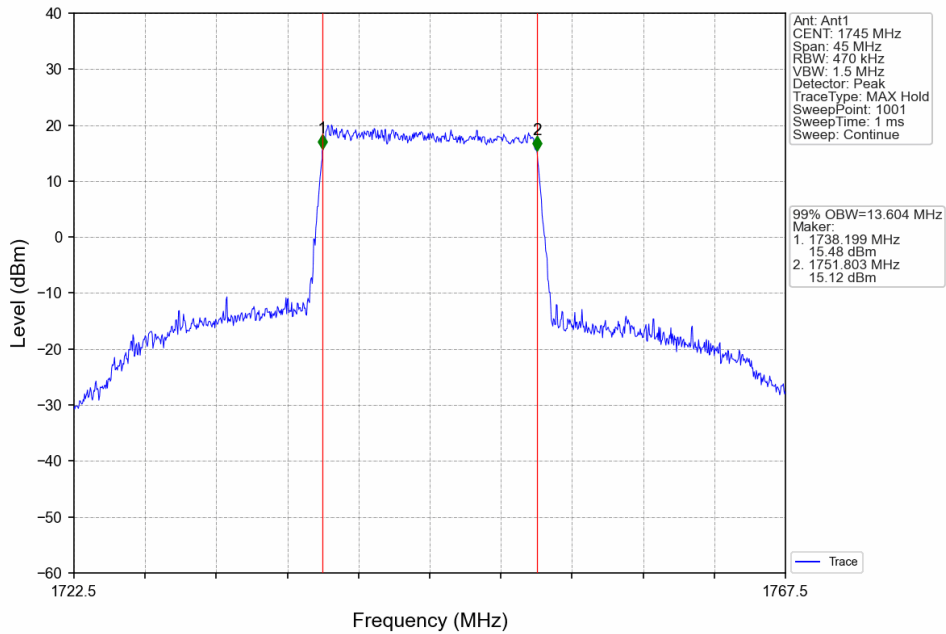
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



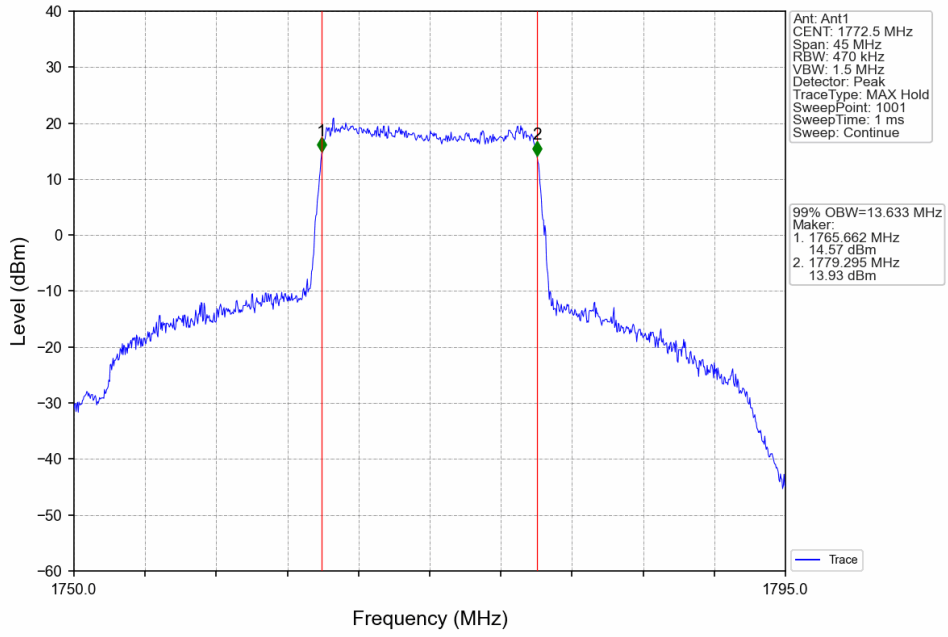
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



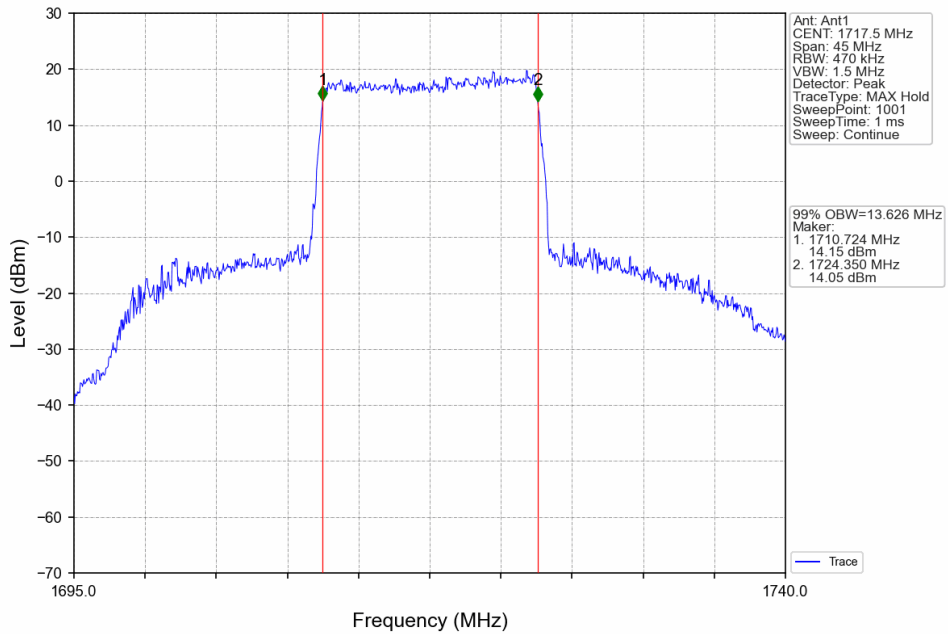
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



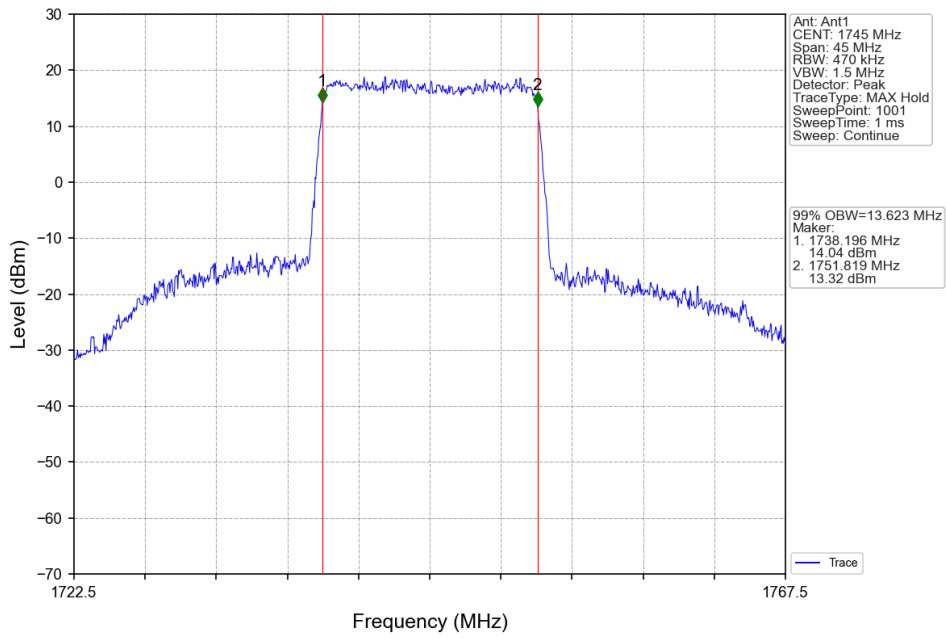
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



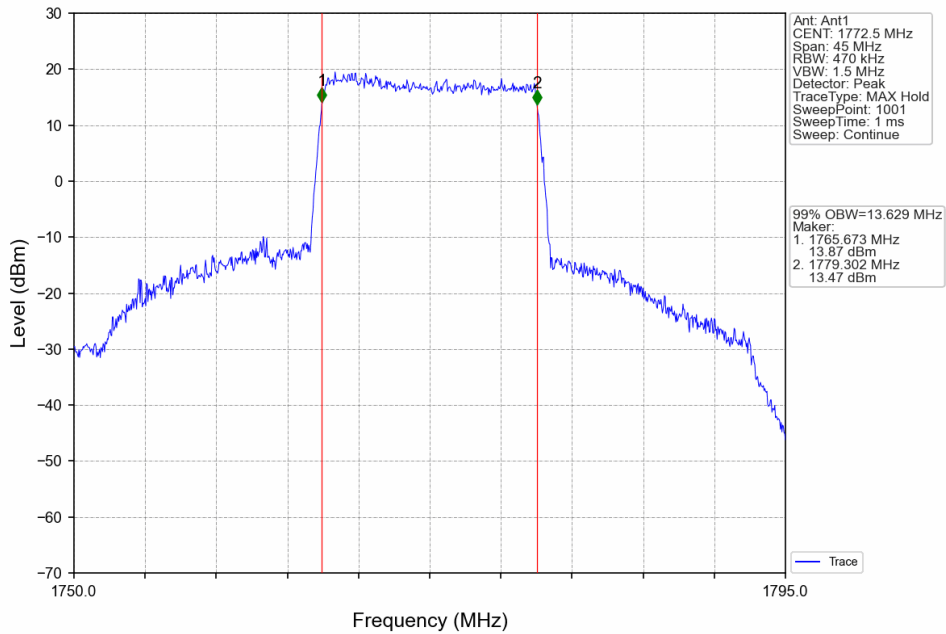
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



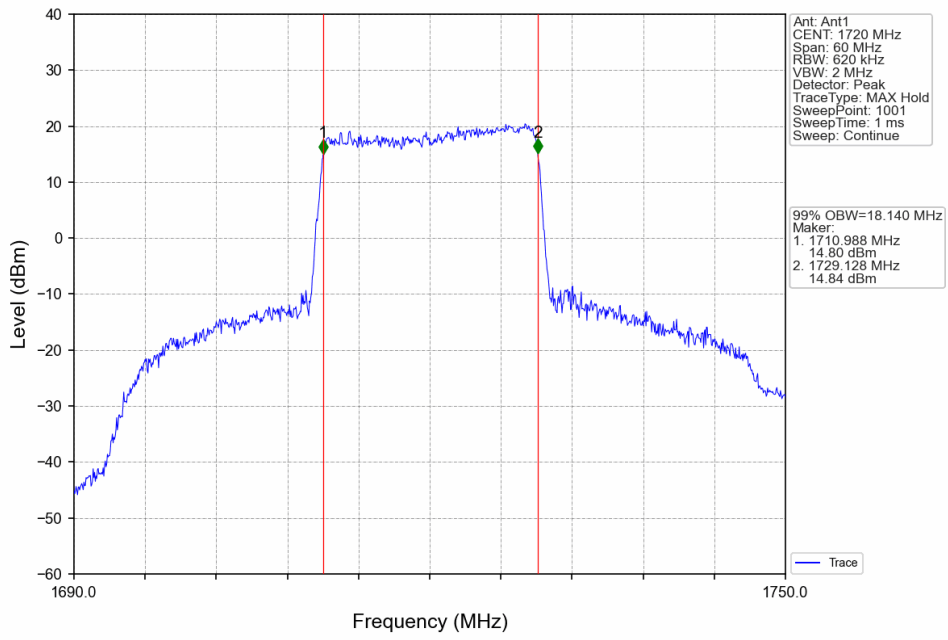
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



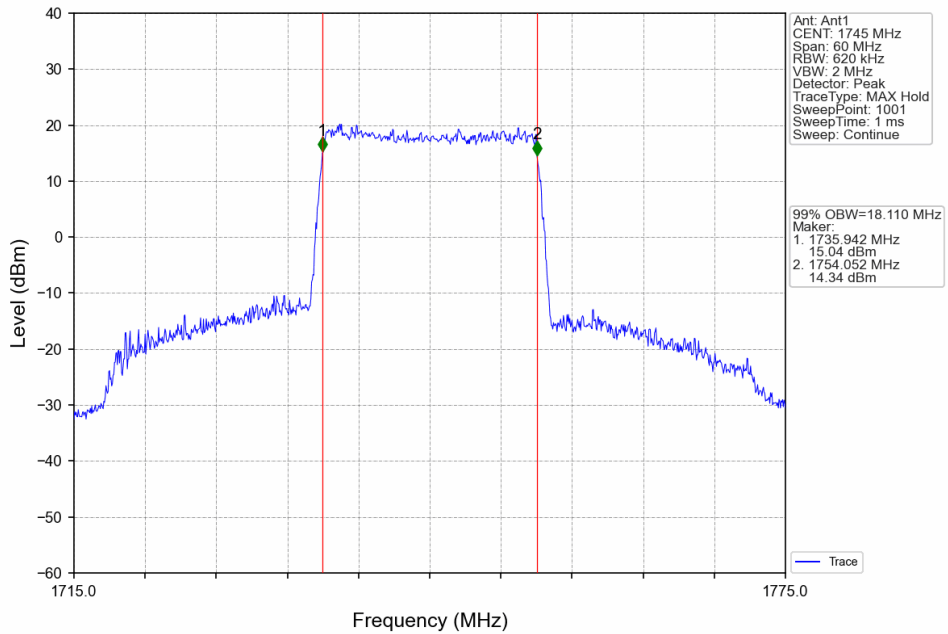
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



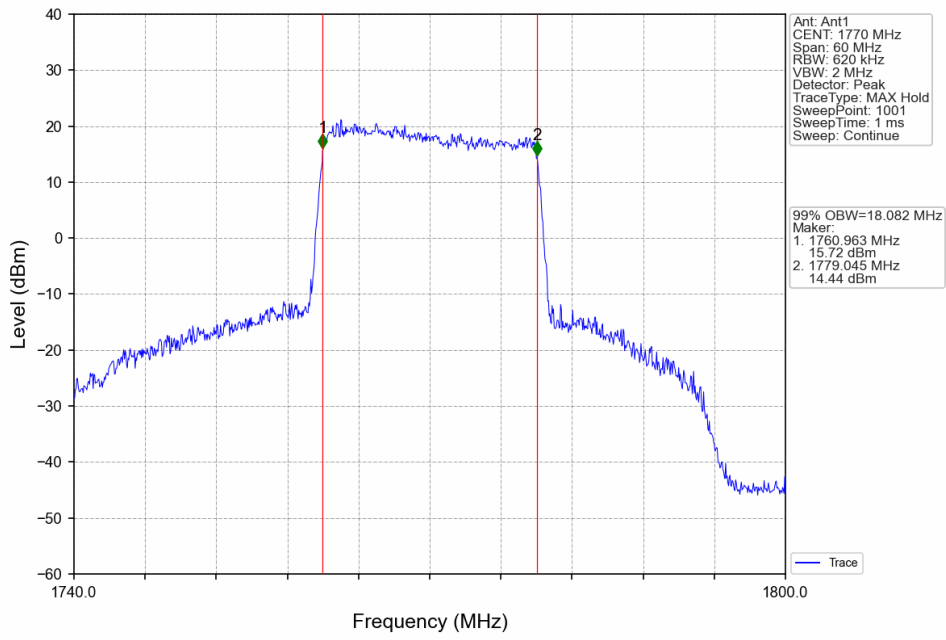
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



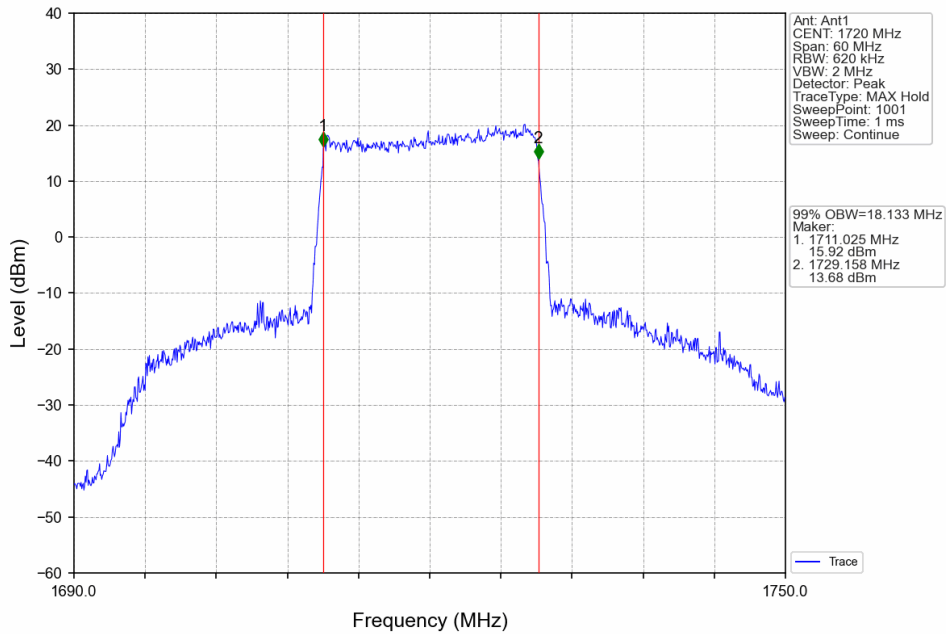
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



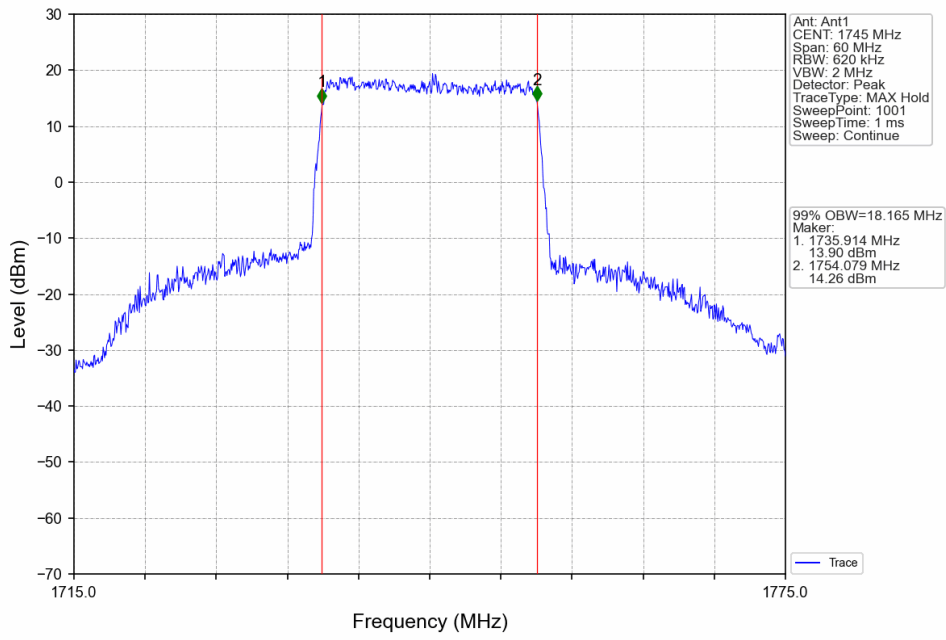
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



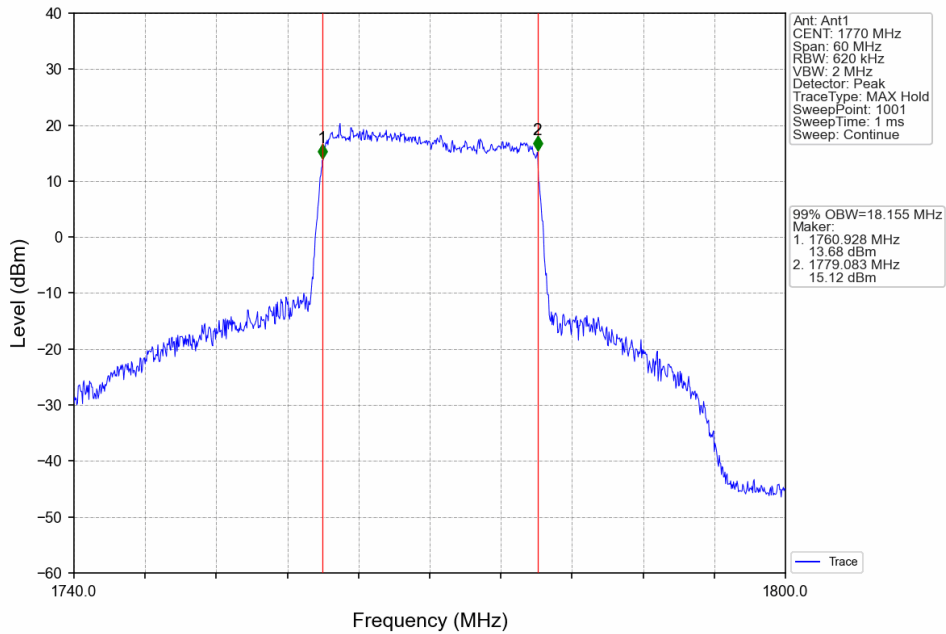
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

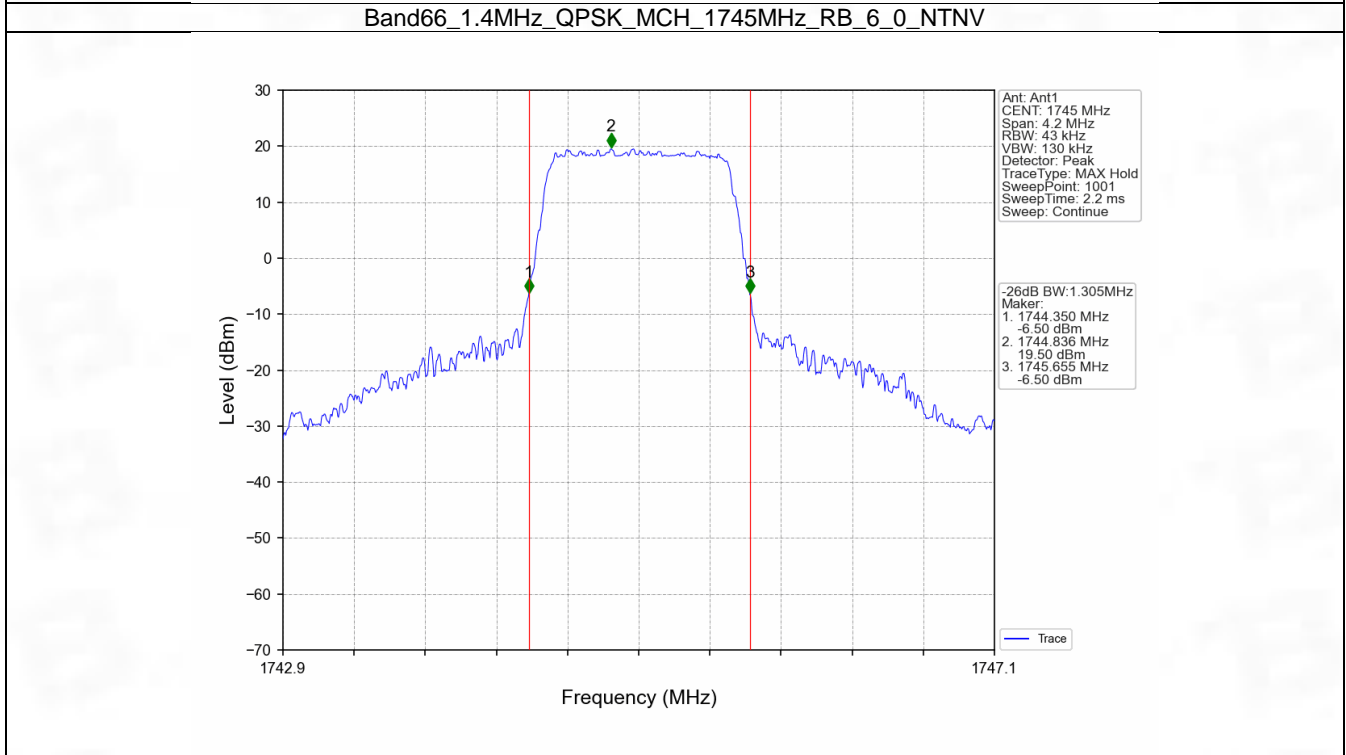
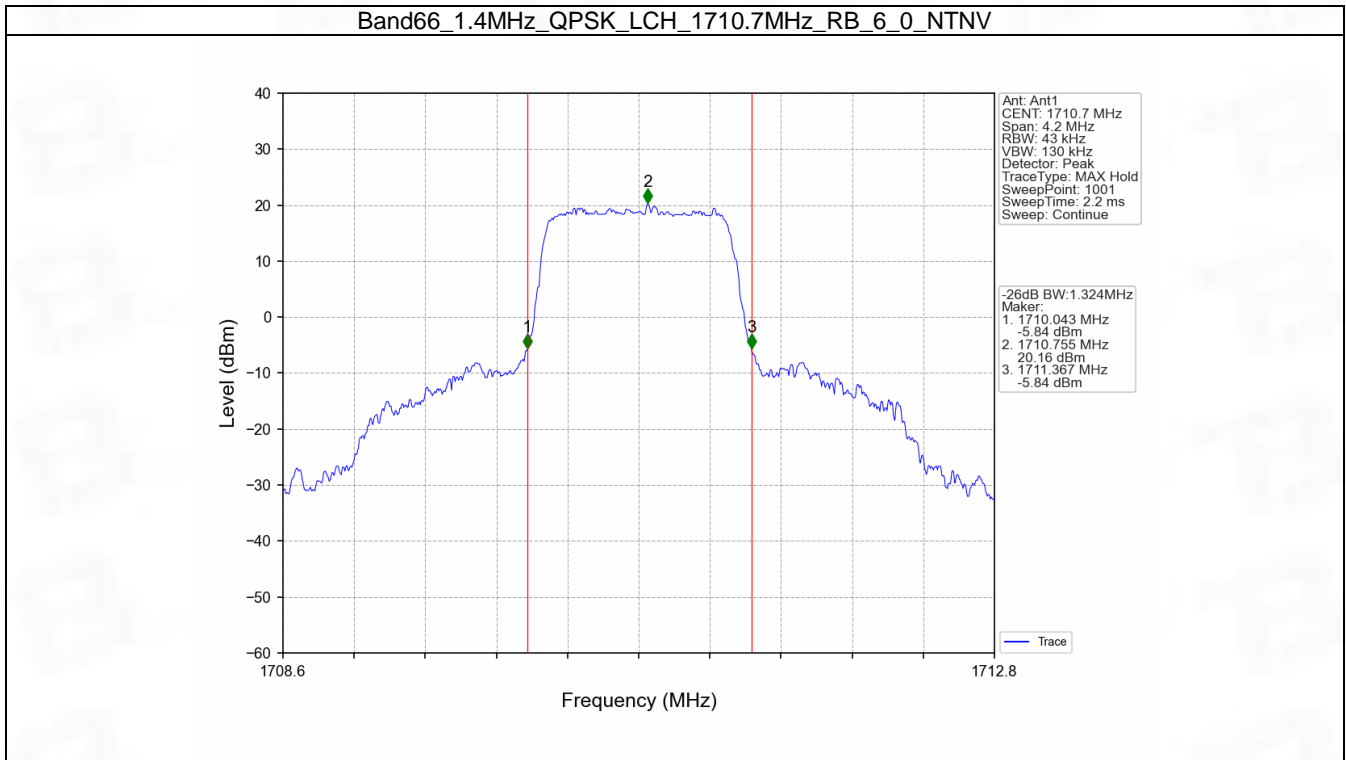


4.2 Band66_XDB

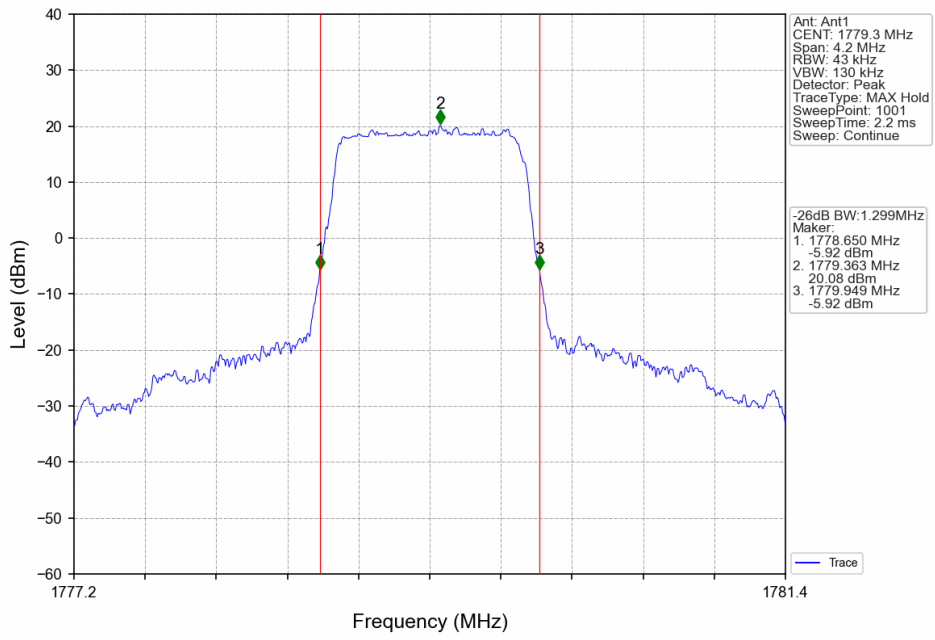
4.2.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.324	Pass
		1745	6	0	1.305	Pass
		1779.3	6	0	1.299	Pass
	16QAM	1710.7	6	0	1.325	Pass
		1745	6	0	1.300	Pass
		1779.3	6	0	1.315	Pass
3	QPSK	1711.5	15	0	3.041	Pass
		1745	15	0	3.041	Pass
		1778.5	15	0	3.040	Pass
	16QAM	1711.5	15	0	3.072	Pass
		1745	15	0	3.026	Pass
		1778.5	15	0	3.076	Pass
5	QPSK	1712.5	25	0	5.031	Pass
		1745	25	0	5.003	Pass
		1777.5	25	0	4.999	Pass
	16QAM	1712.5	25	0	5.040	Pass
		1745	25	0	5.008	Pass
		1777.5	25	0	5.027	Pass
10	QPSK	1715	50	0	9.953	Pass
		1745	50	0	9.898	Pass
		1775	50	0	9.961	Pass
	16QAM	1715	50	0	9.949	Pass
		1745	50	0	9.941	Pass
		1775	50	0	9.901	Pass
15	QPSK	1717.5	75	0	14.972	Pass
		1745	75	0	14.834	Pass
		1772.5	75	0	14.807	Pass
	16QAM	1717.5	75	0	14.861	Pass
		1745	75	0	14.913	Pass
		1772.5	75	0	14.873	Pass
20	QPSK	1720	100	0	19.708	Pass
		1745	100	0	19.651	Pass
		1770	100	0	19.592	Pass
	16QAM	1720	100	0	19.851	Pass
		1745	100	0	19.717	Pass
		1770	100	0	19.563	Pass

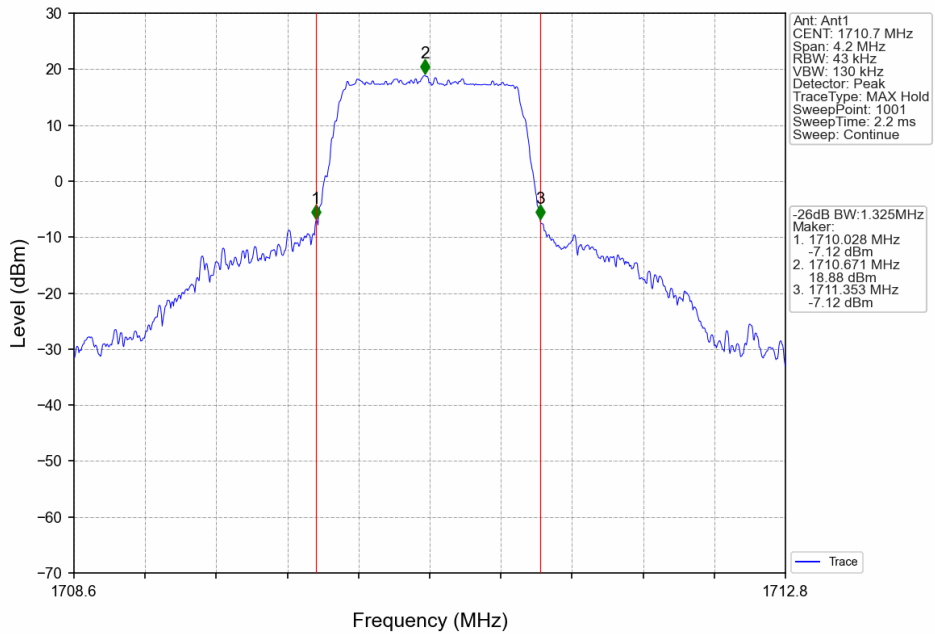
4.2.2 Test Graph



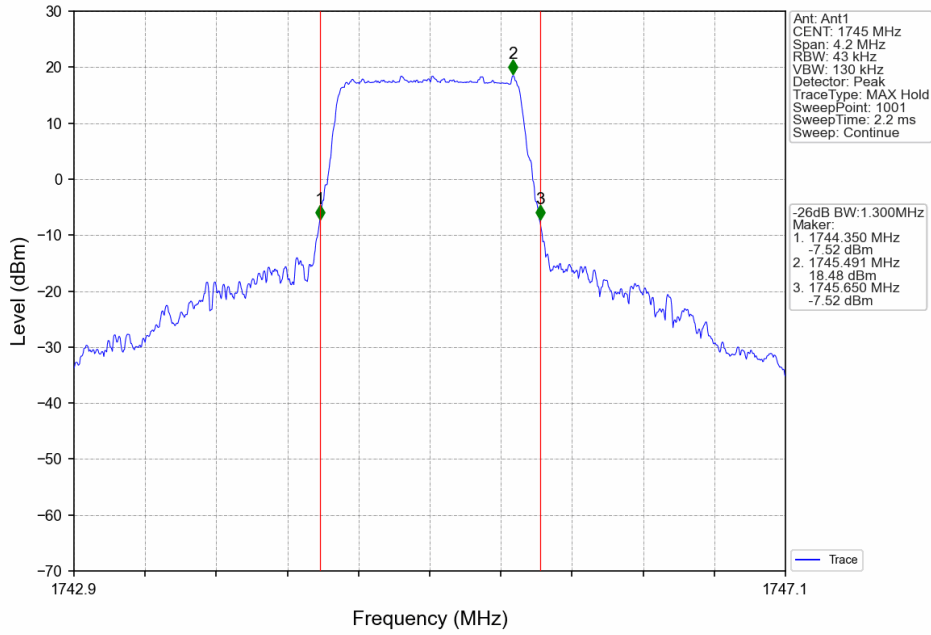
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



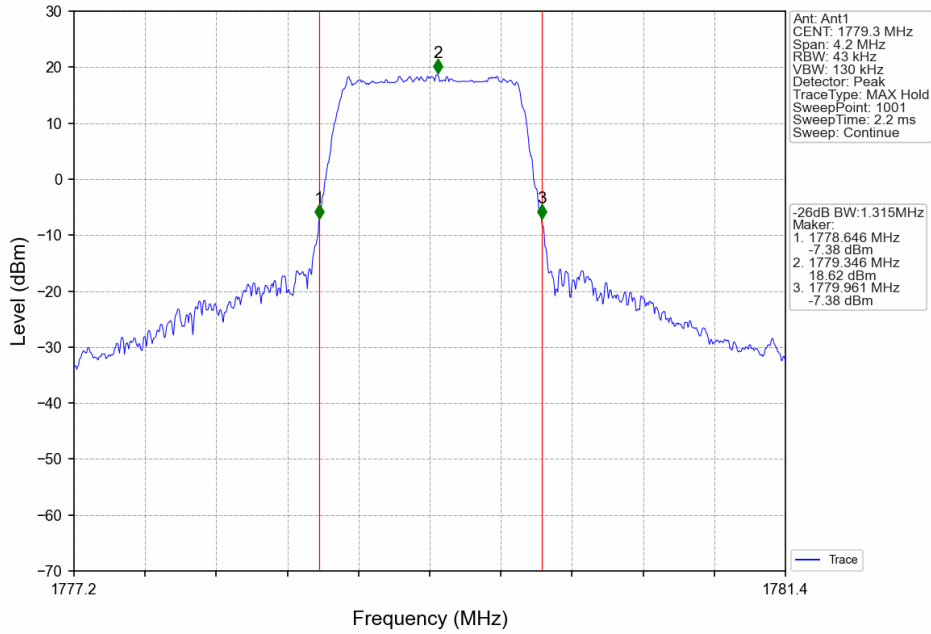
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



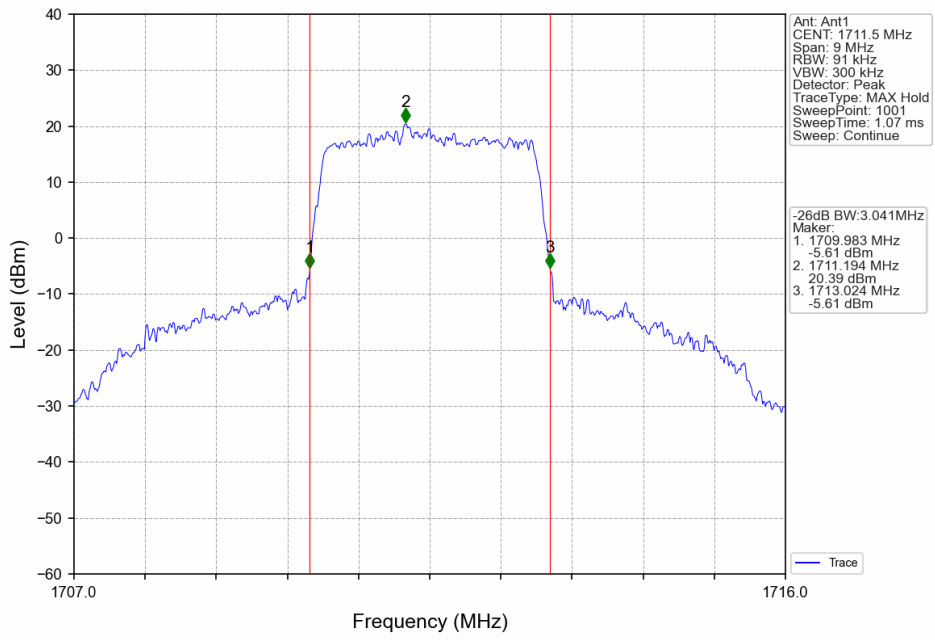
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



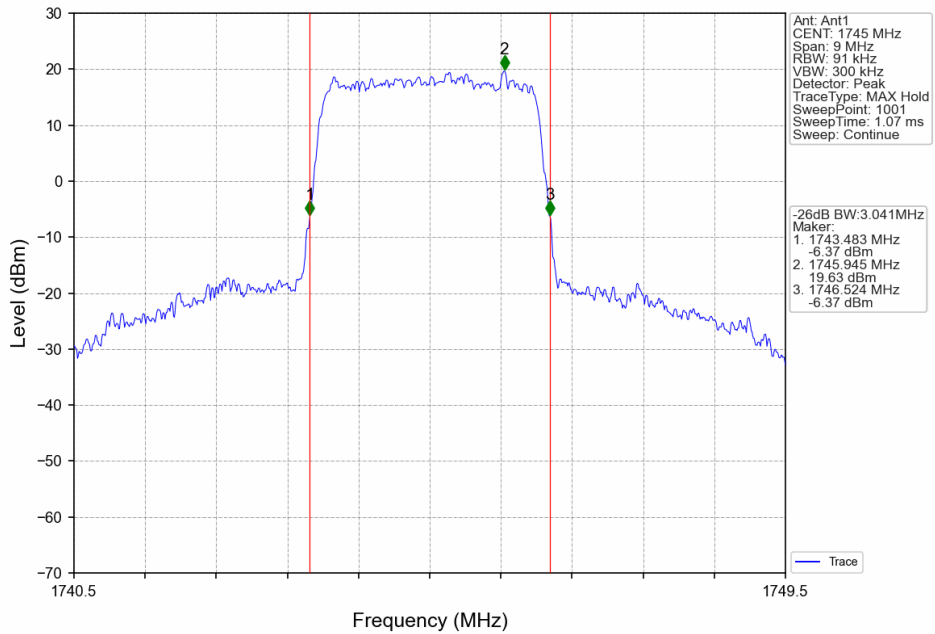
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



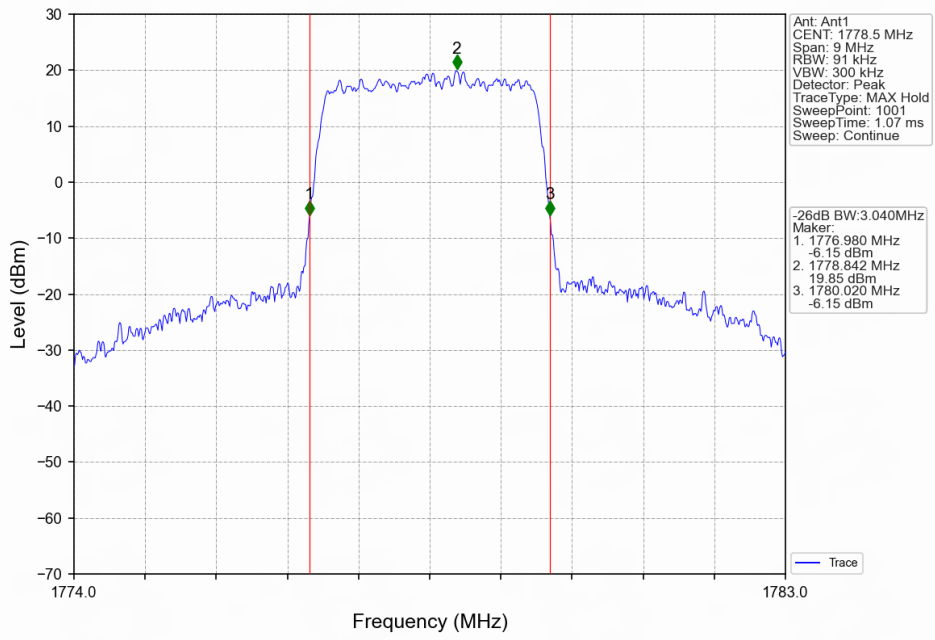
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



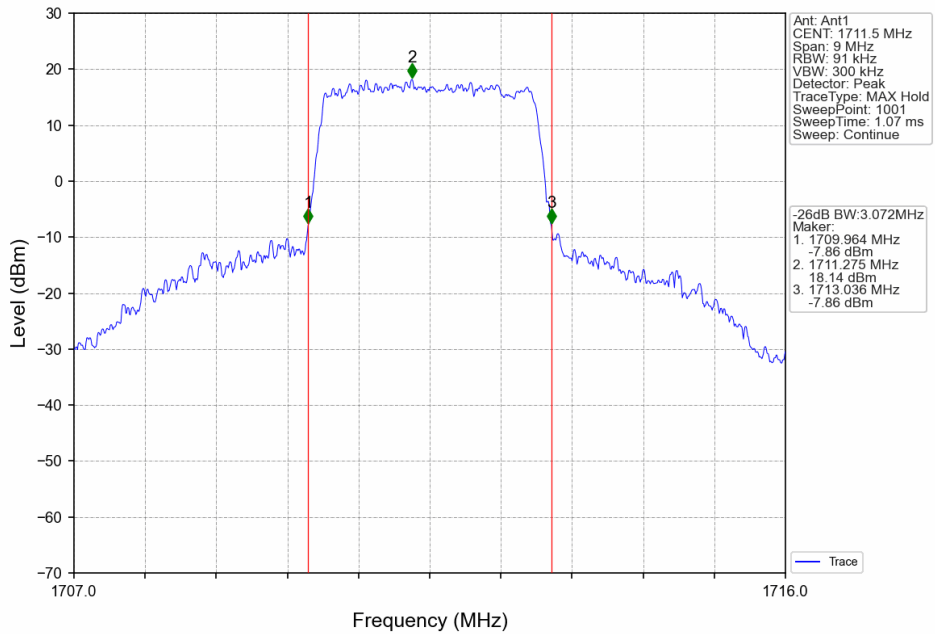
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



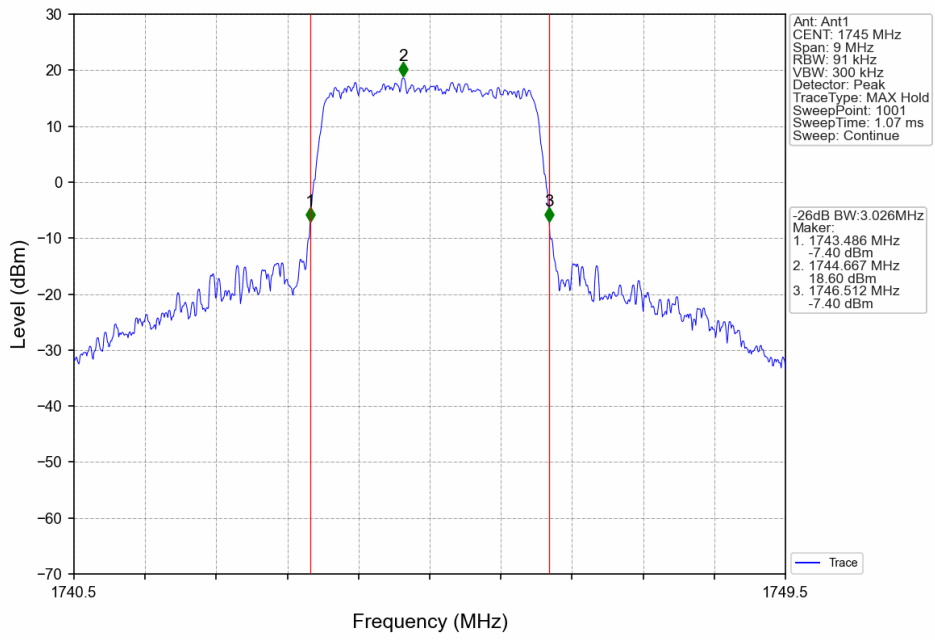
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



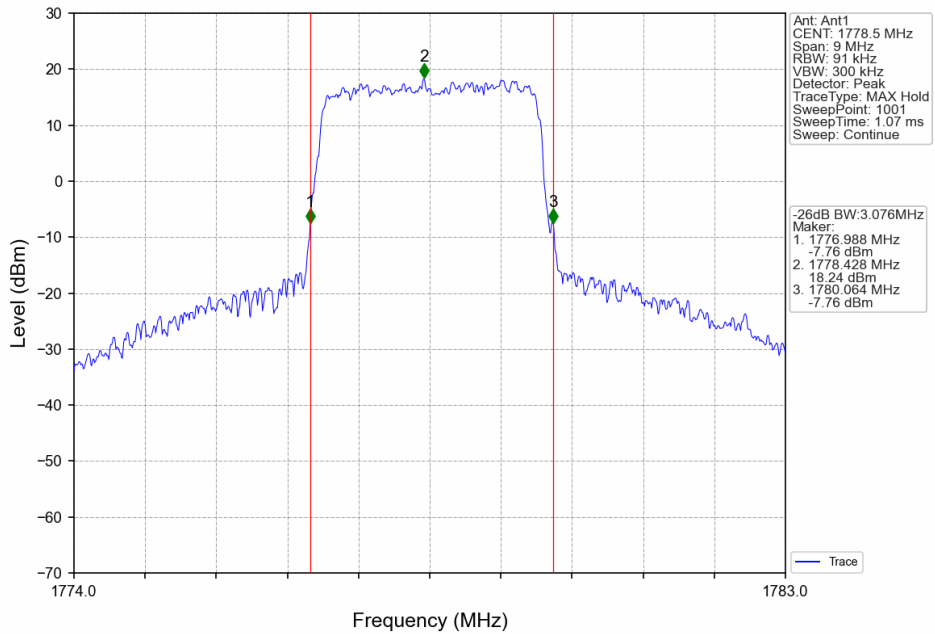
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



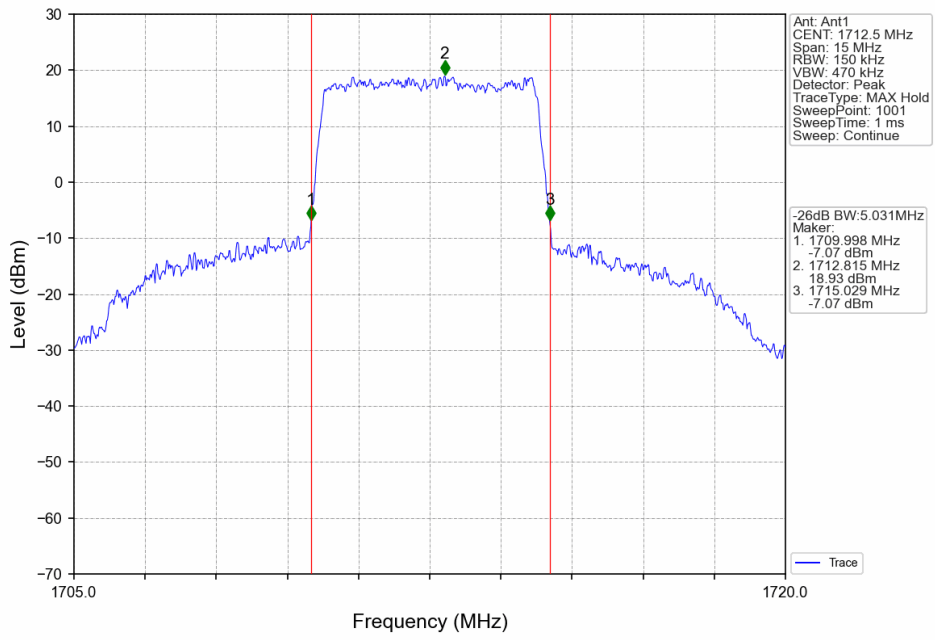
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



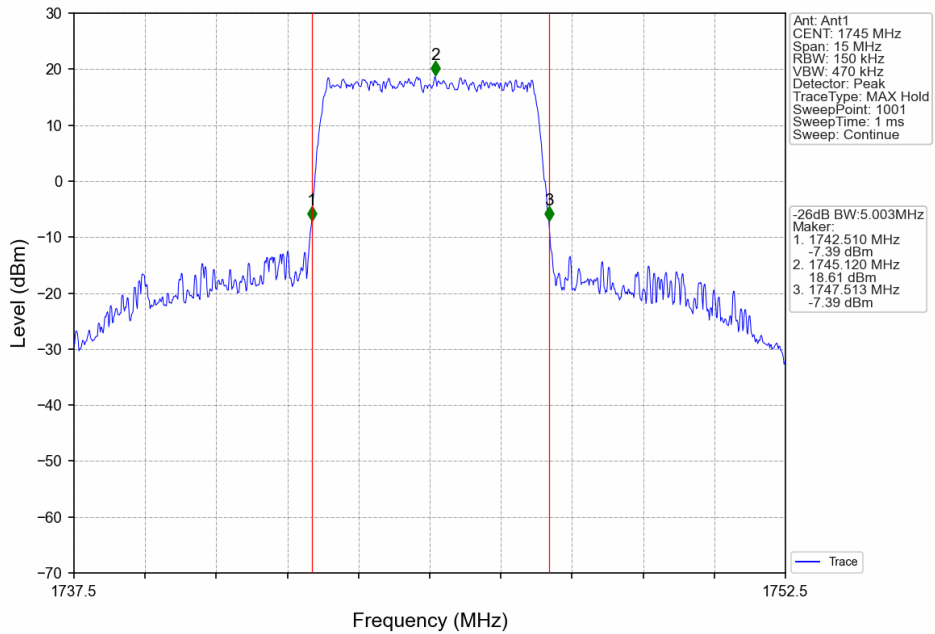
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



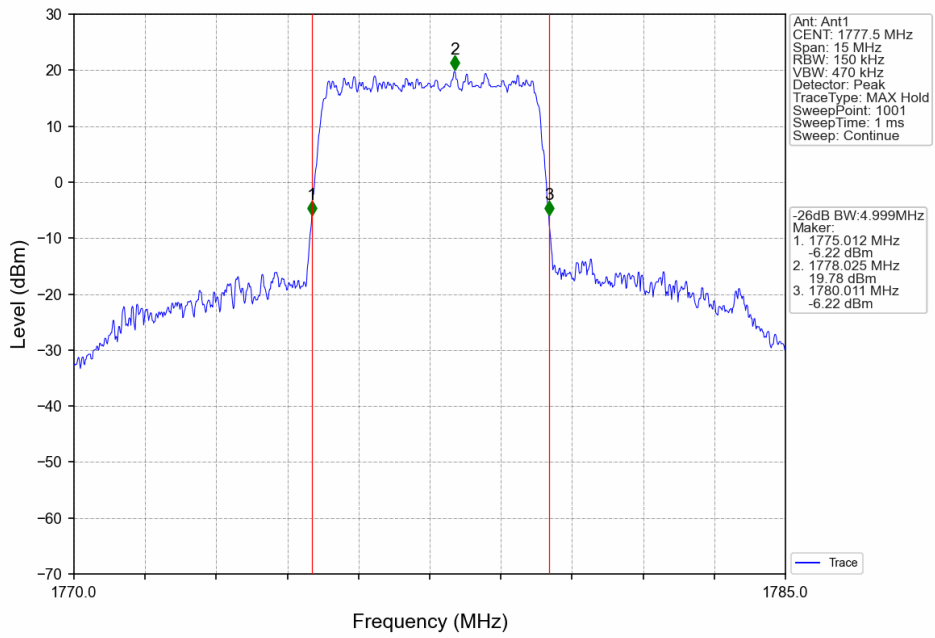
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



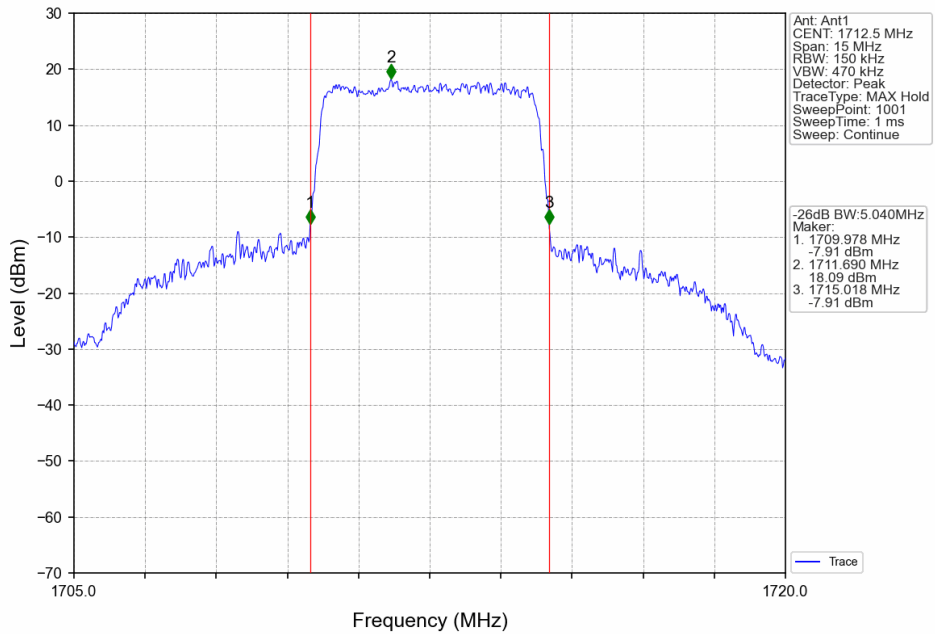
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



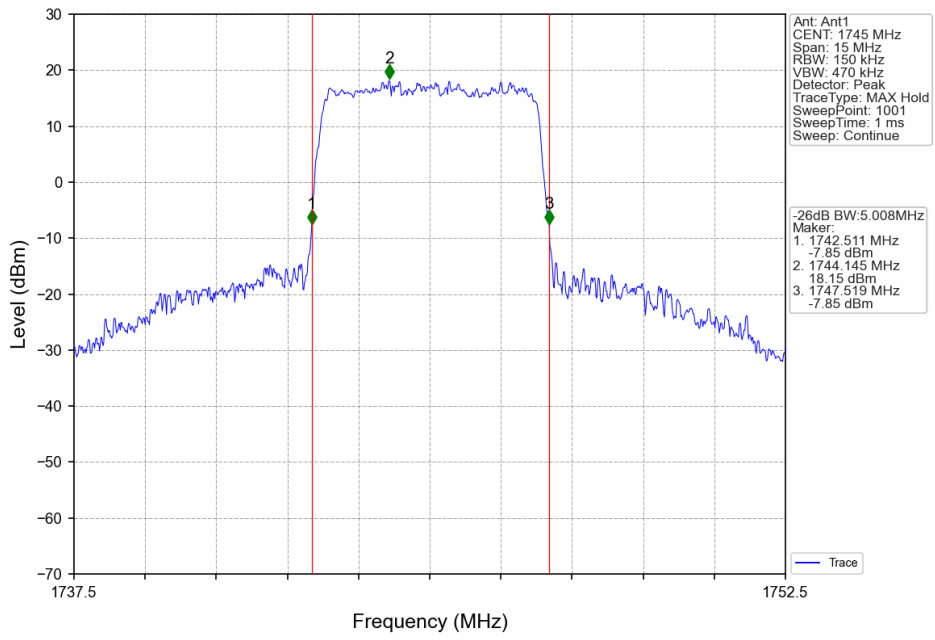
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



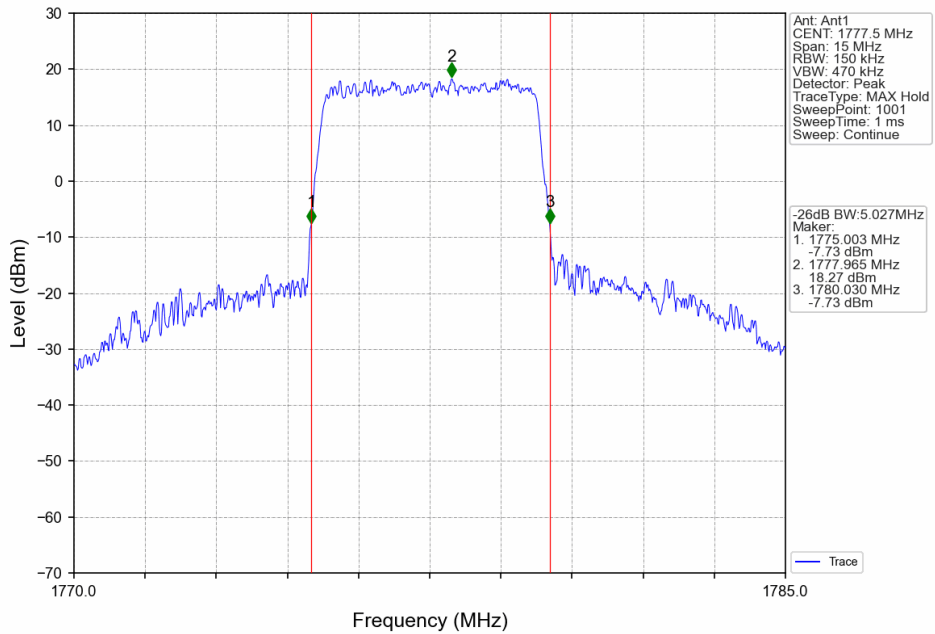
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



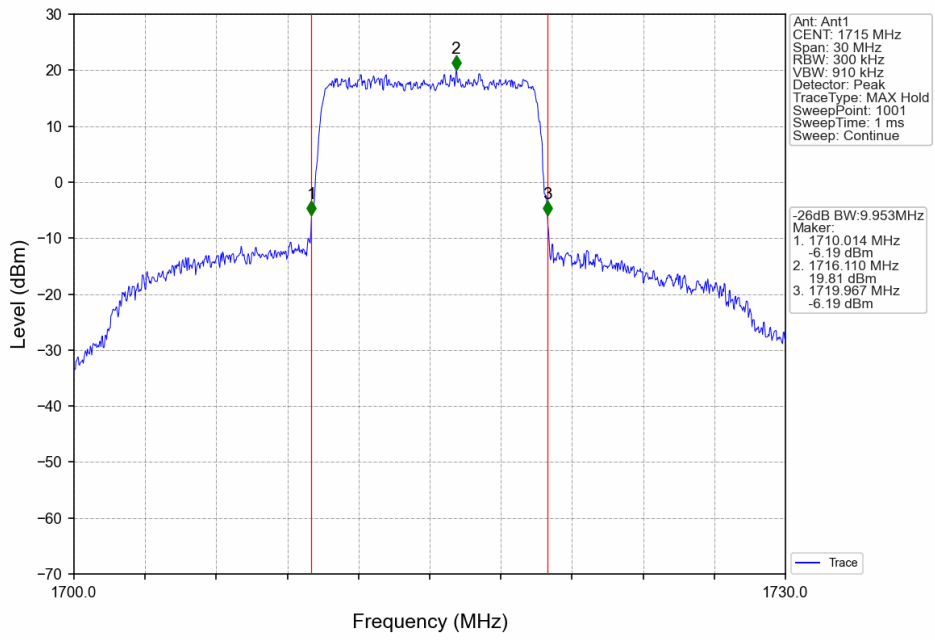
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



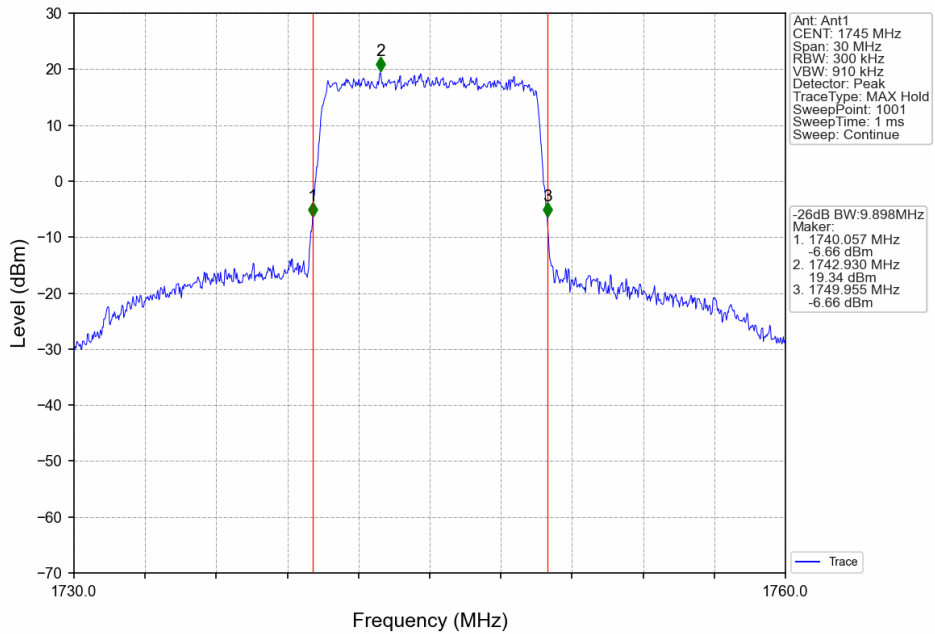
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



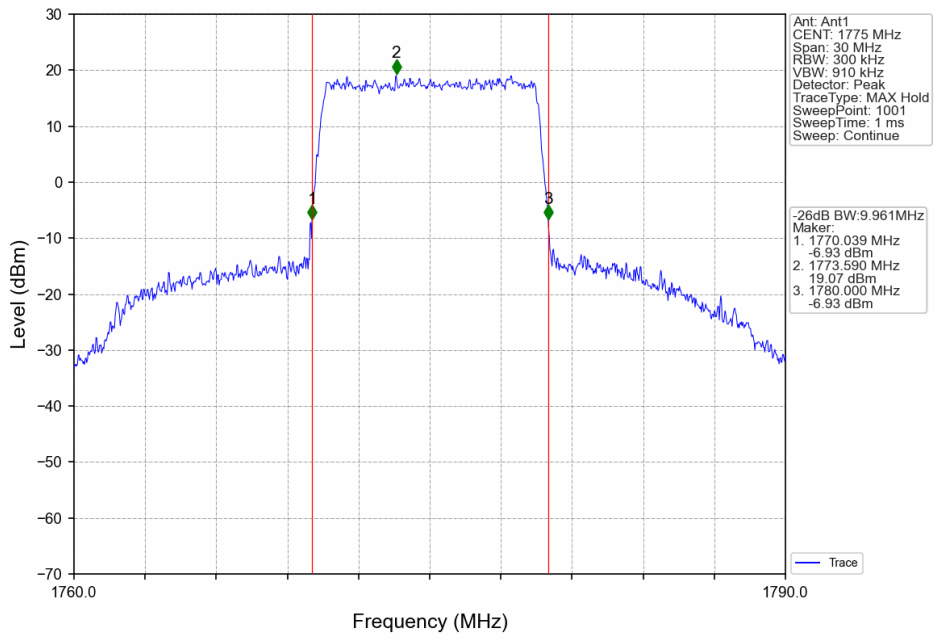
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



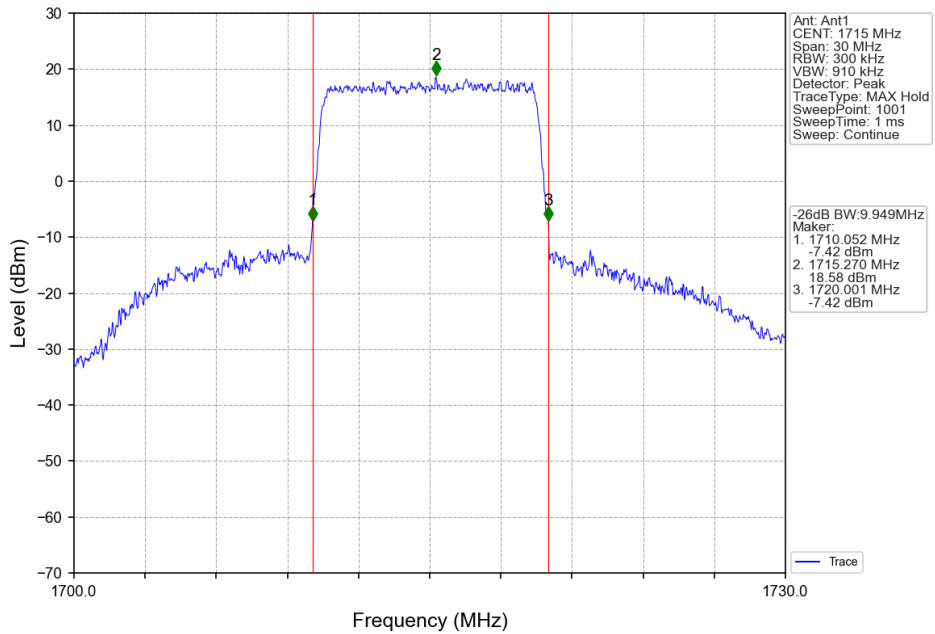
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



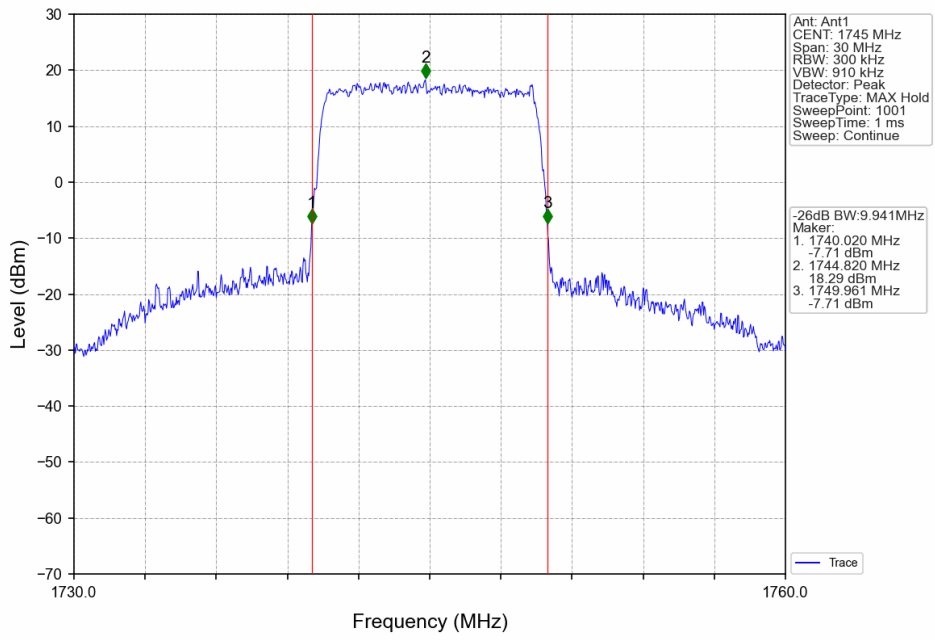
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



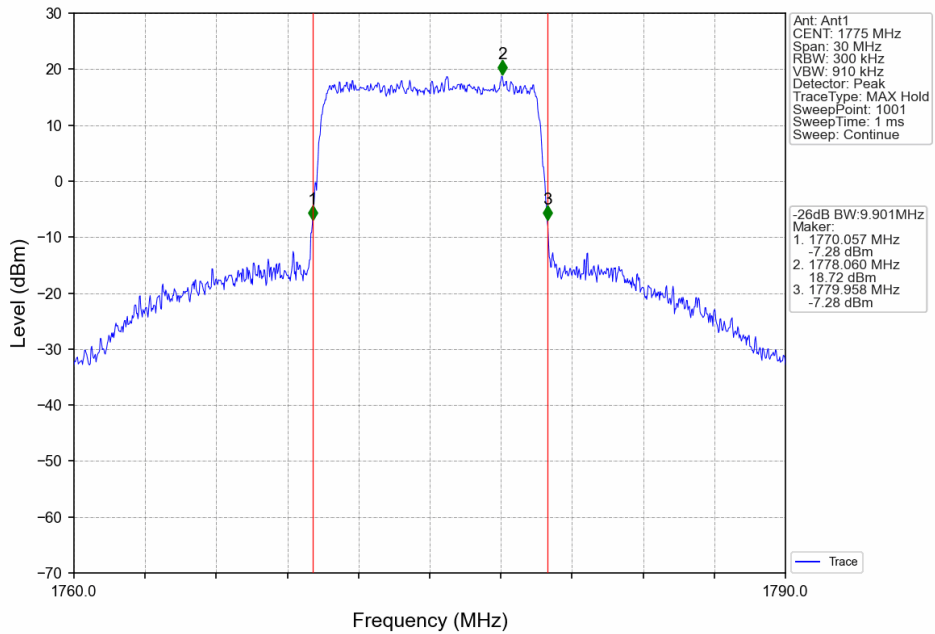
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



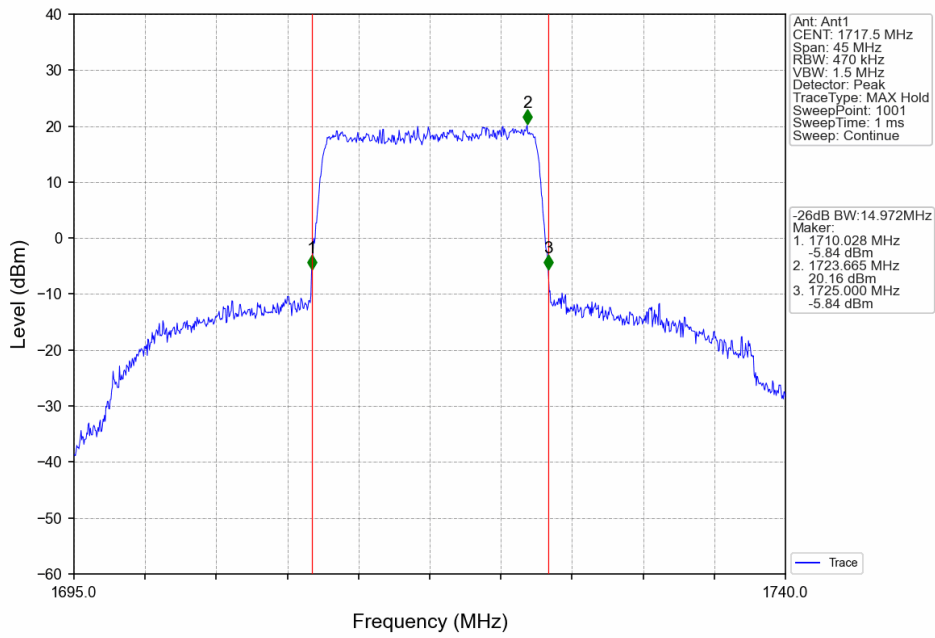
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



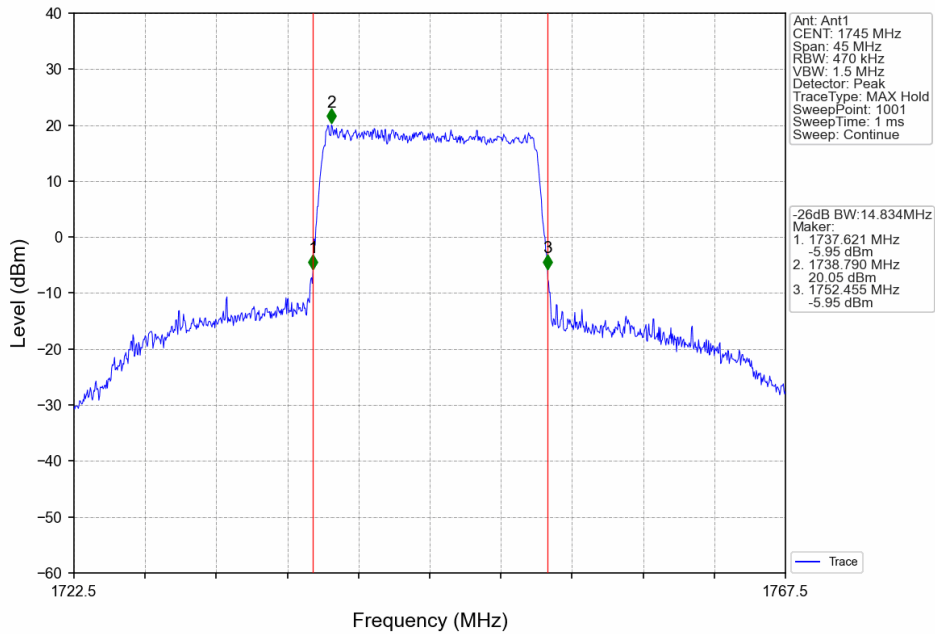
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



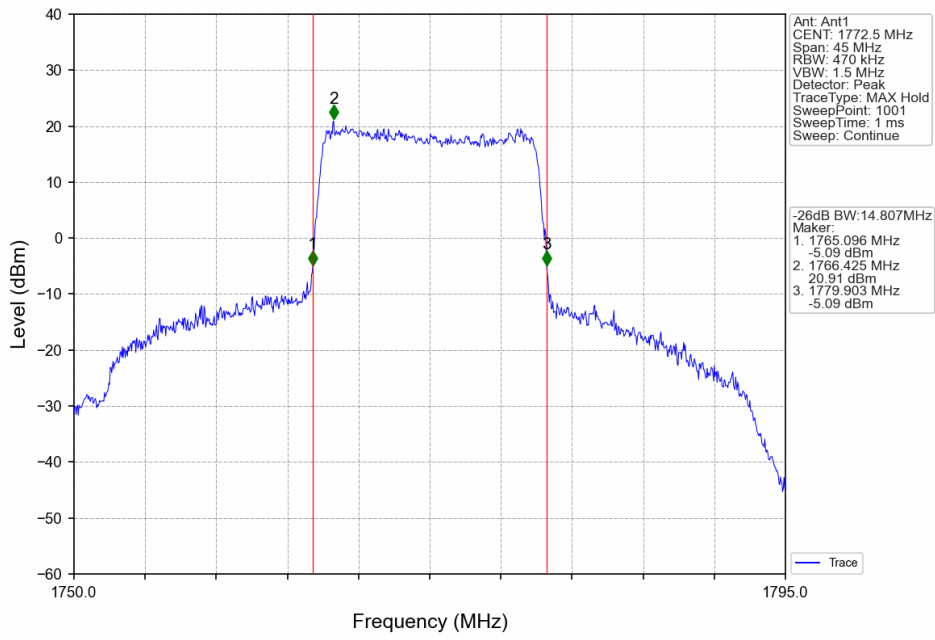
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



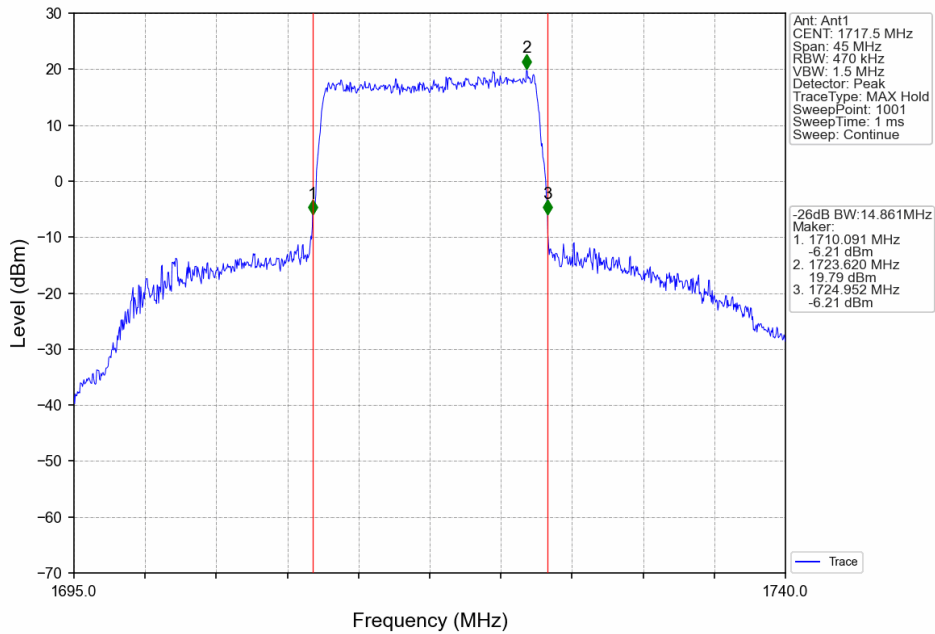
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



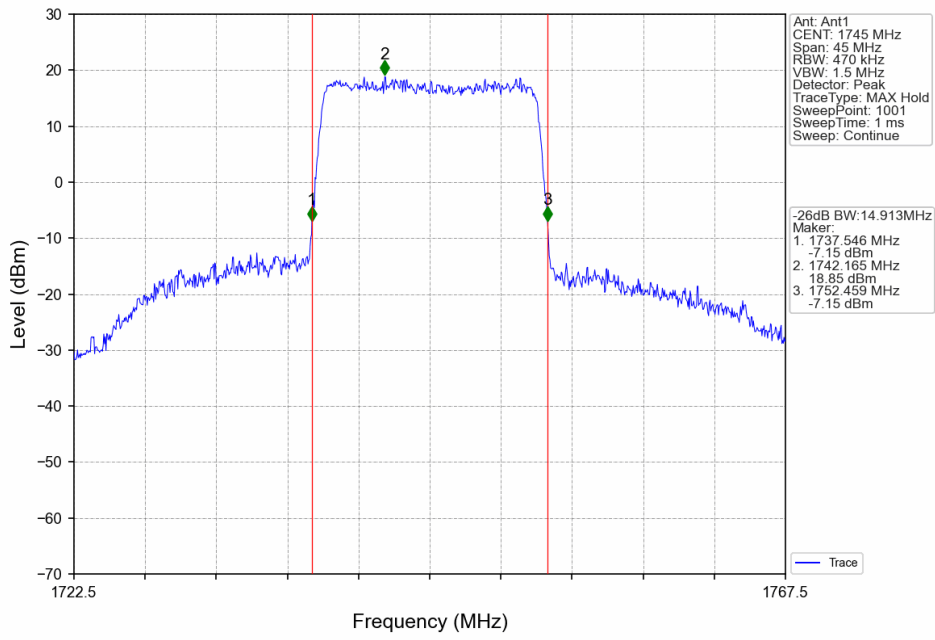
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



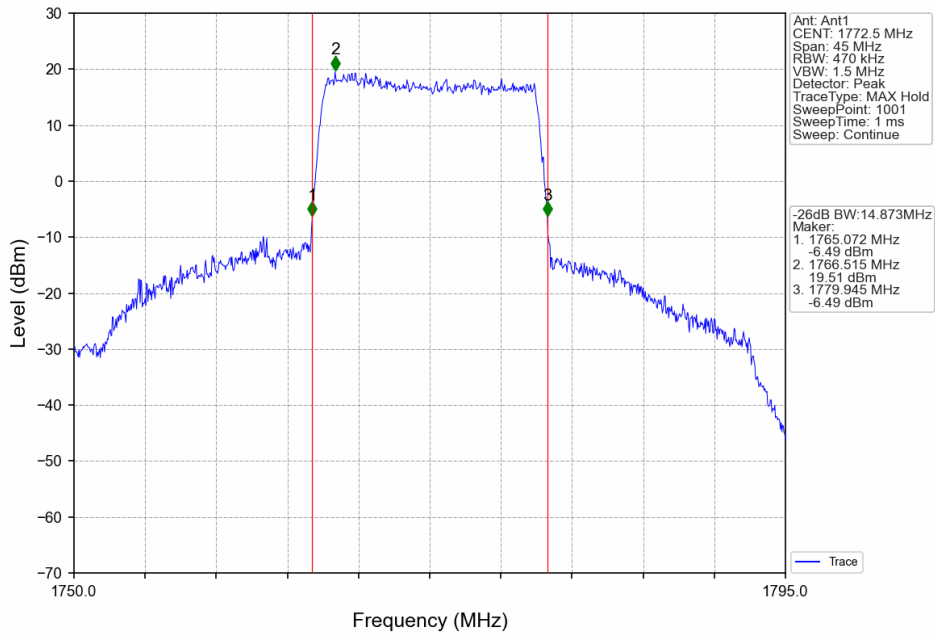
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



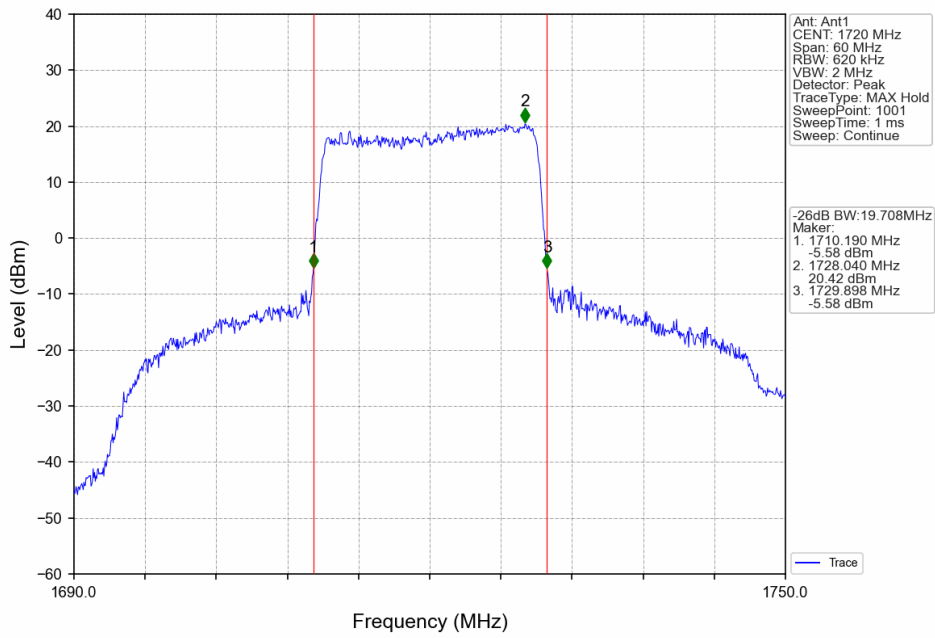
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



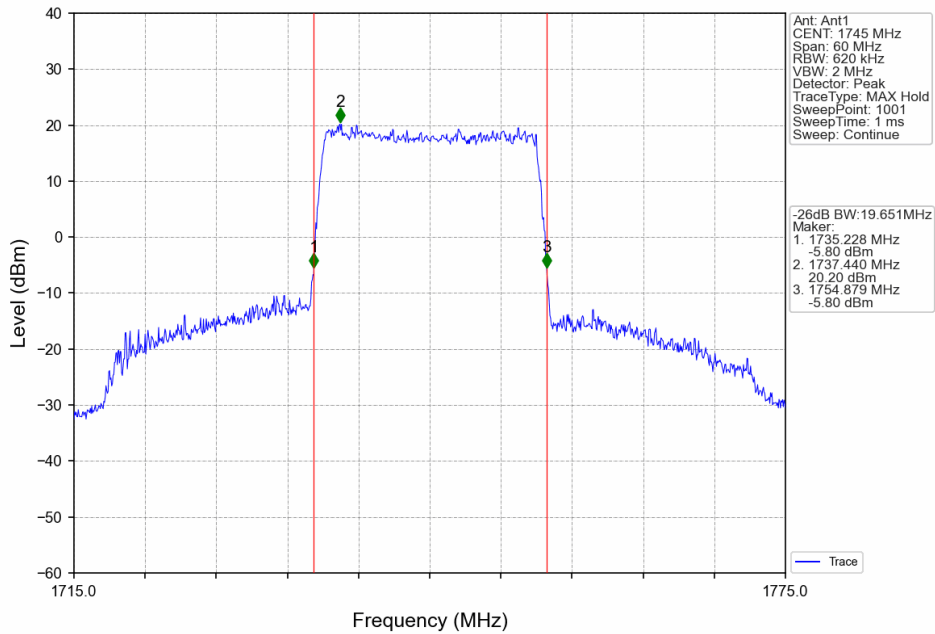
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



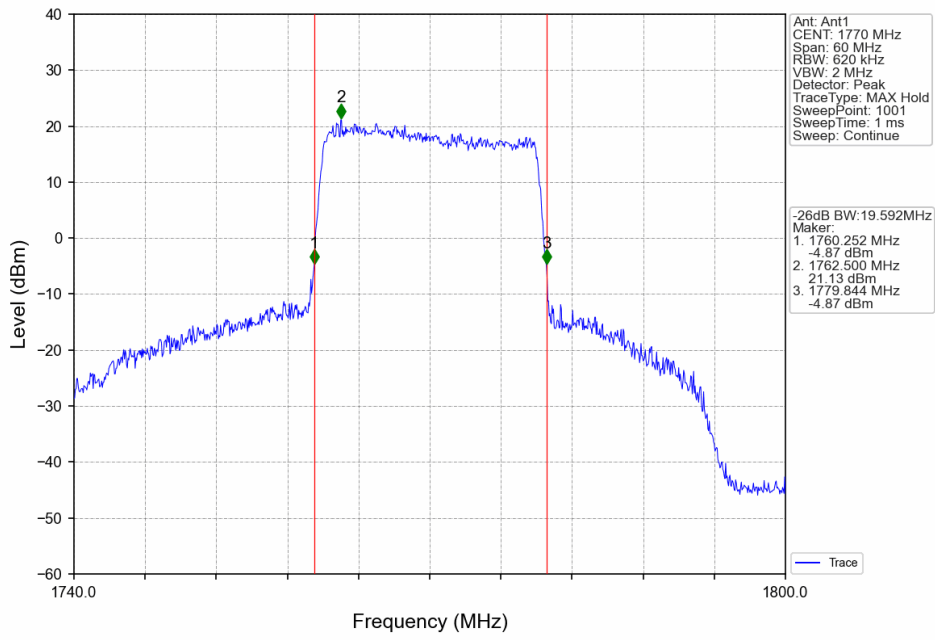
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



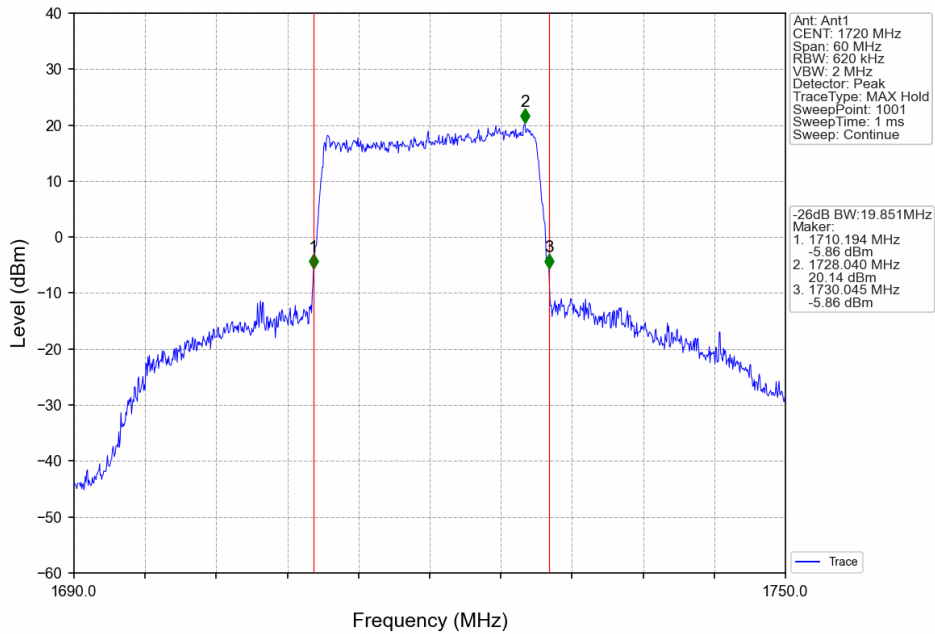
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



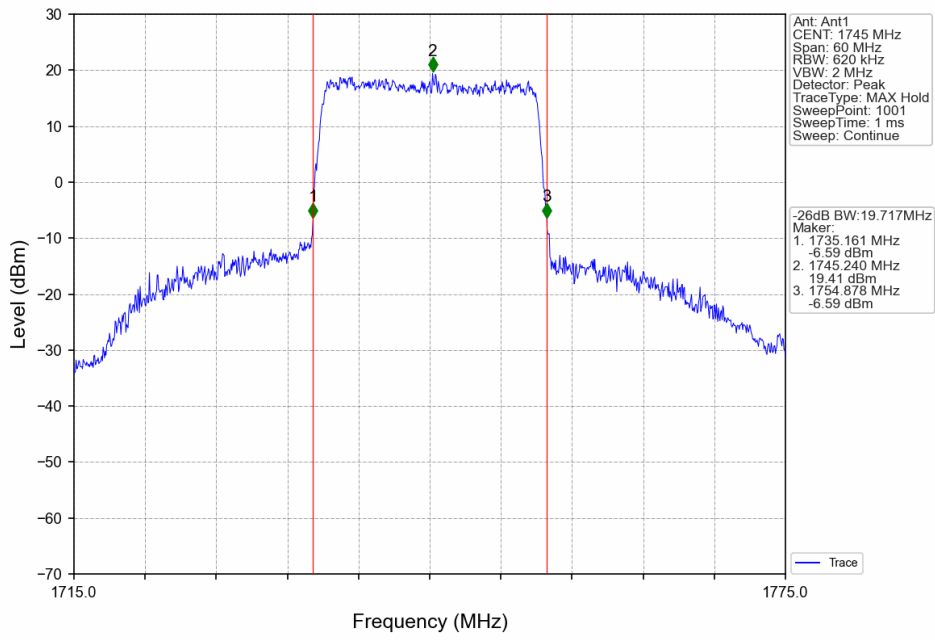
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



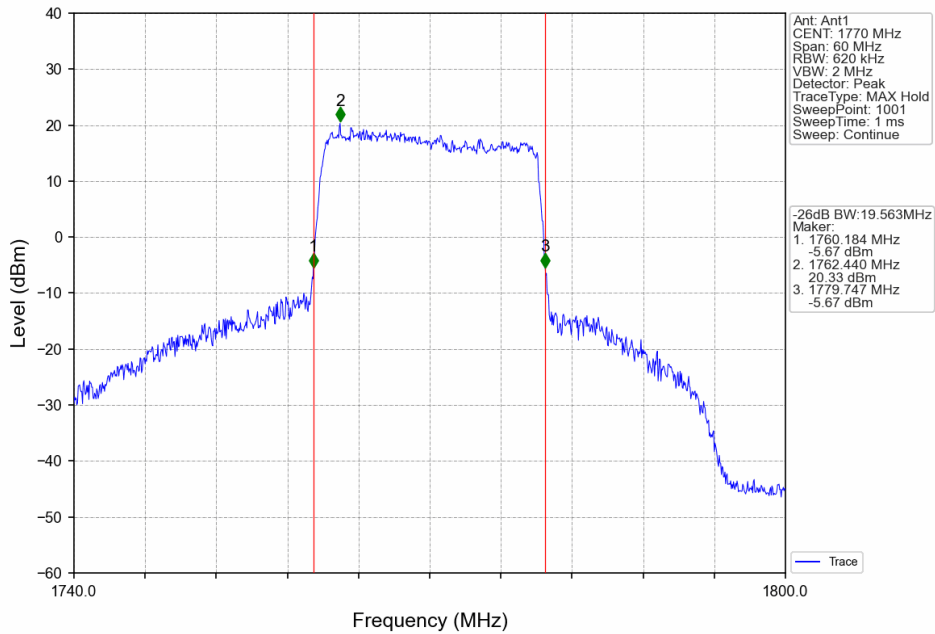
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



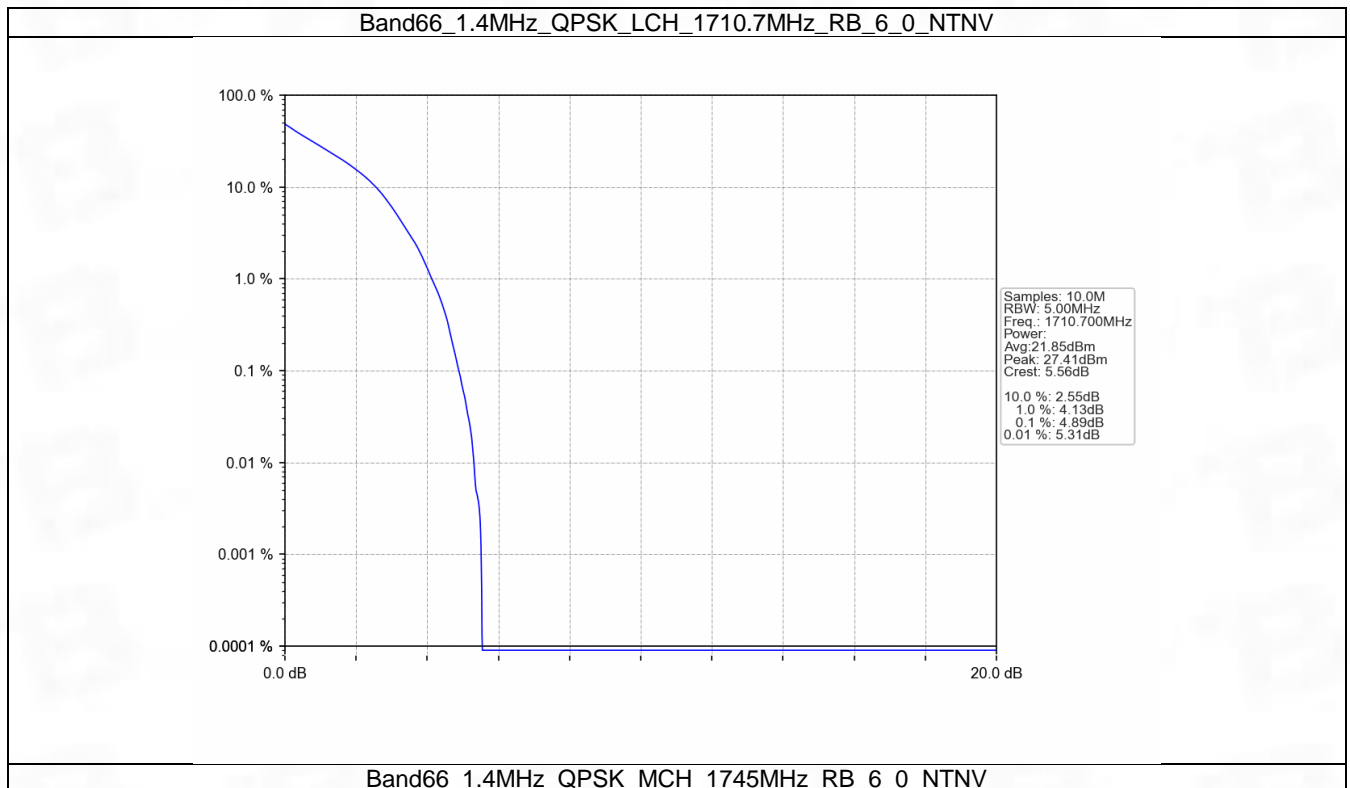
5. Peak-Average Ratio

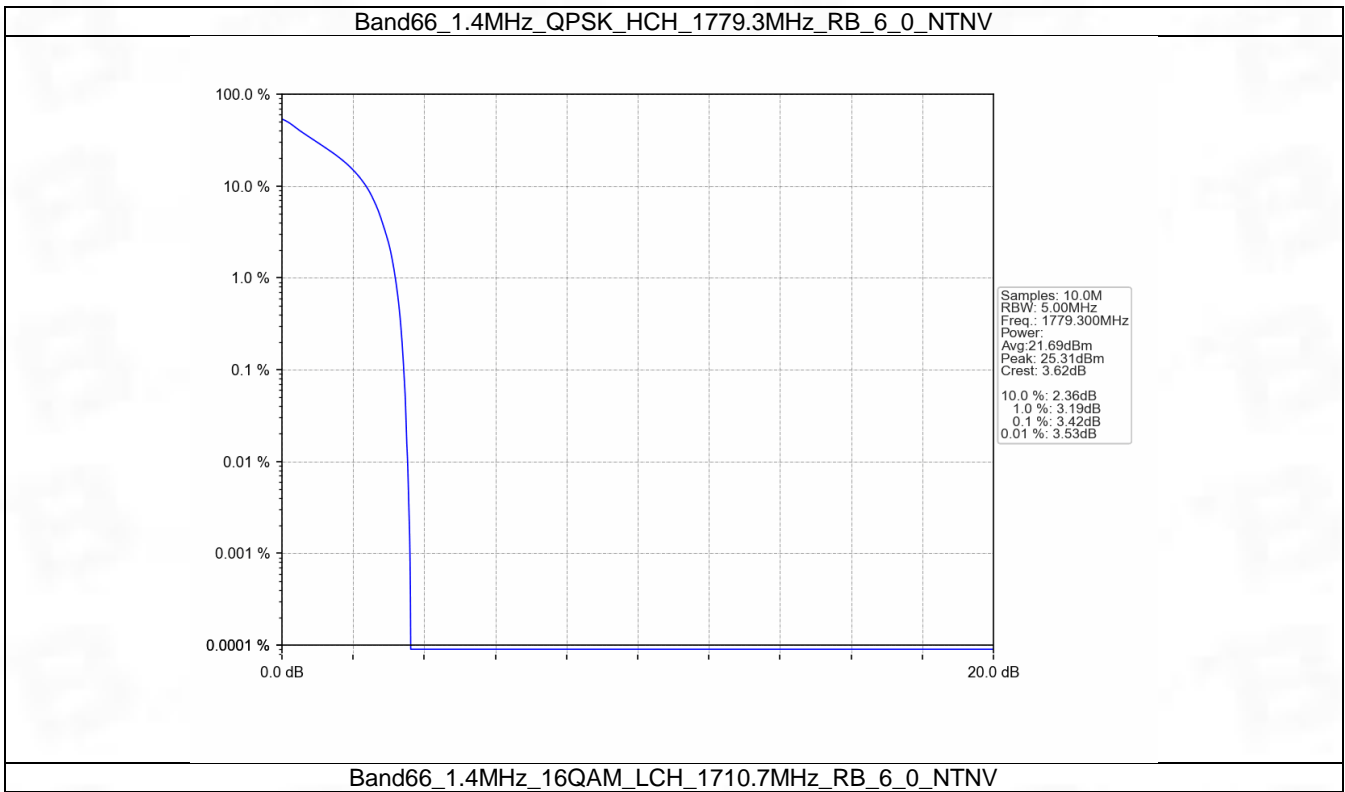
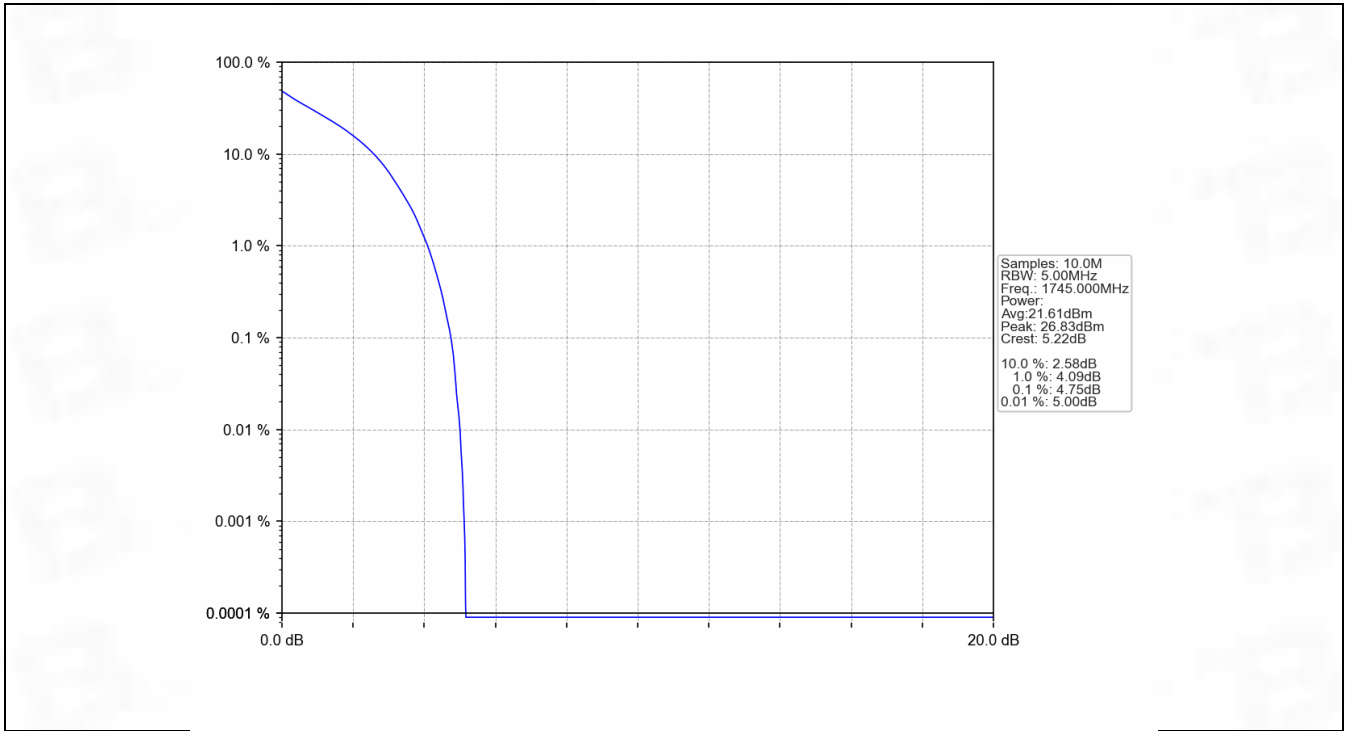
5.1 B66_1.4MHz

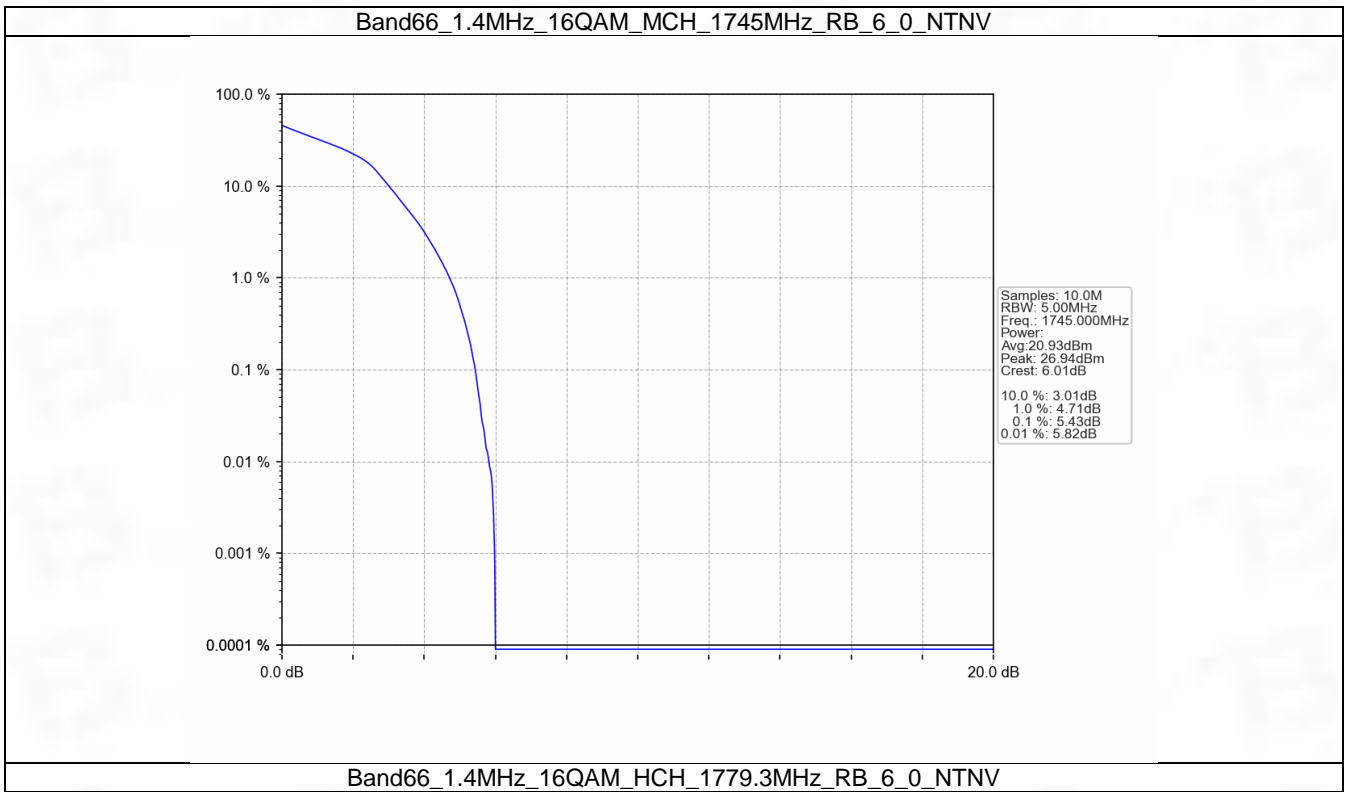
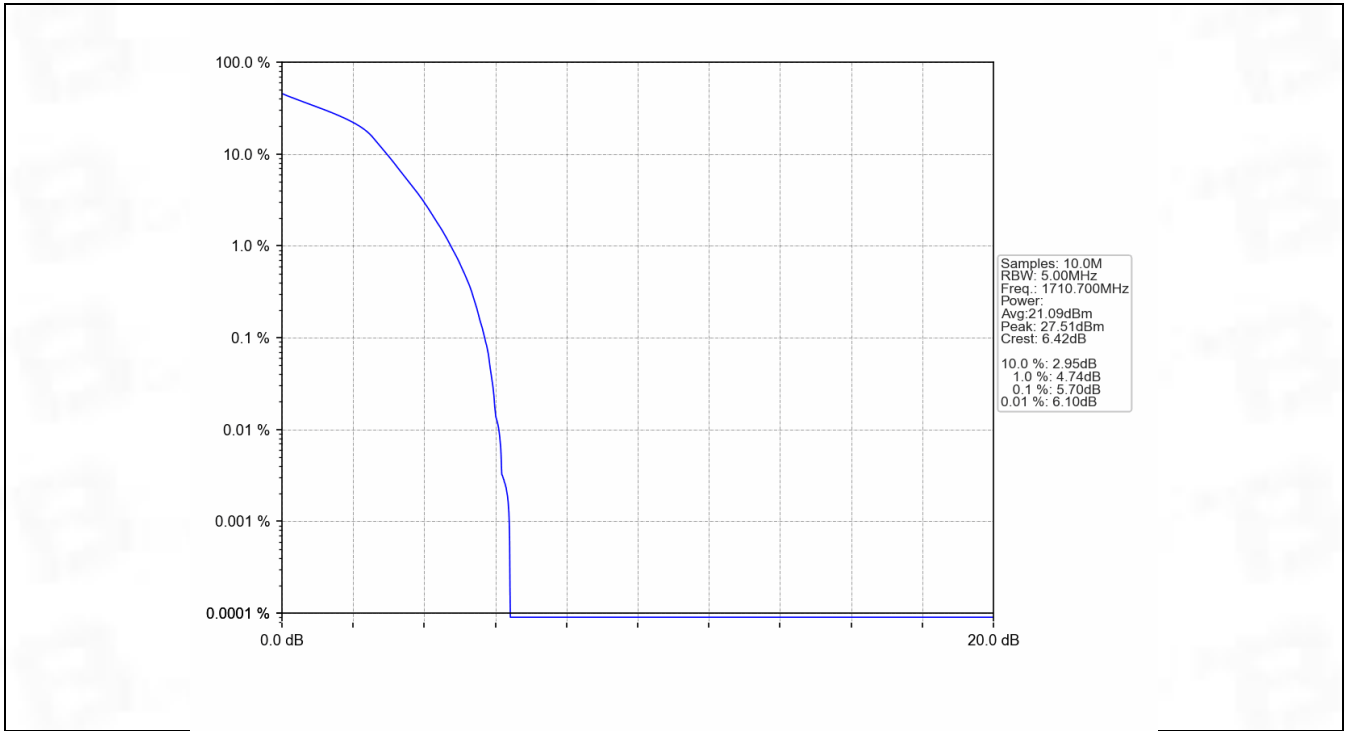
5.1.1 Test Result

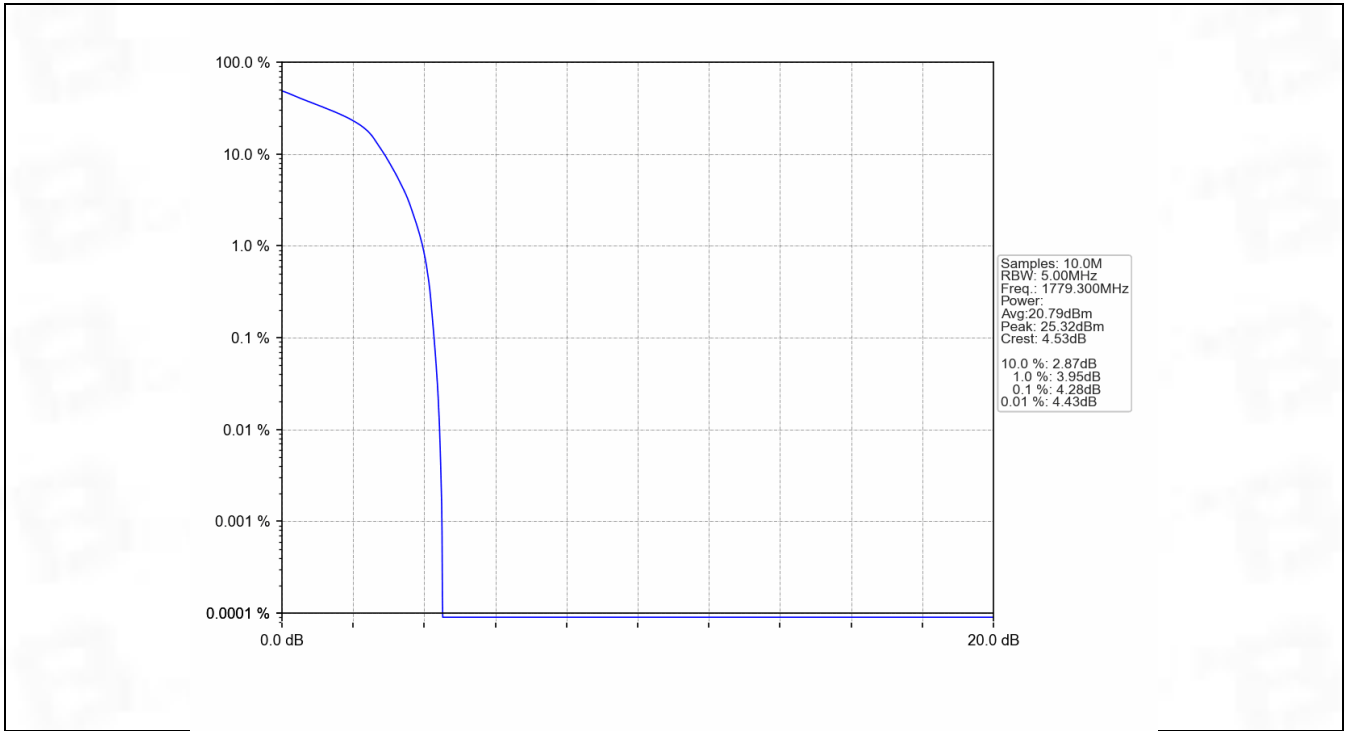
Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.89	<=13	Pass
	1745	6	0	4.75	<=13	Pass
	1779.3	6	0	3.42	<=13	Pass
16QAM	1710.7	6	0	5.70	<=13	Pass
	1745	6	0	5.43	<=13	Pass
	1779.3	6	0	4.28	<=13	Pass

5.1.2 Test Graph









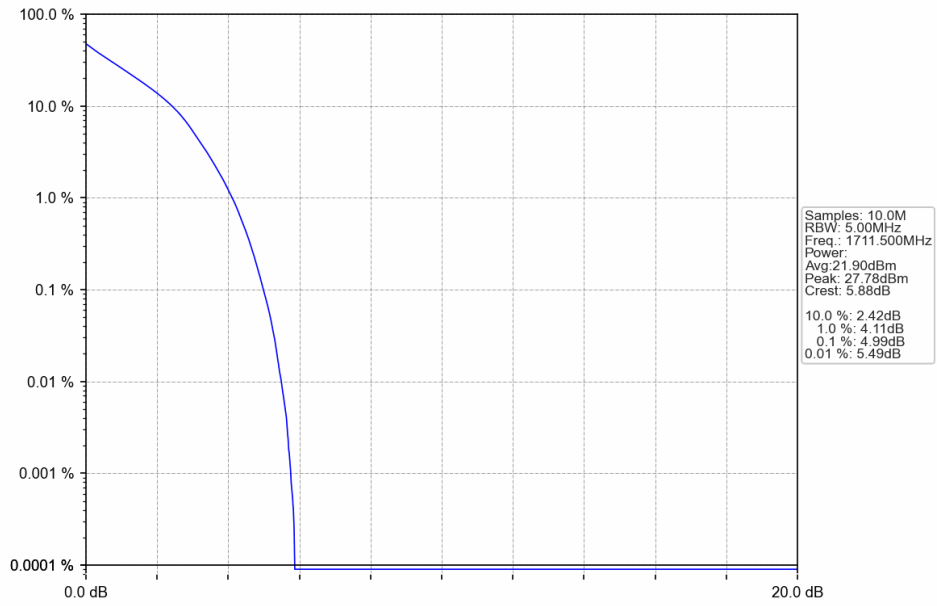
5.2 B66_3MHz

5.2.1 Test Result

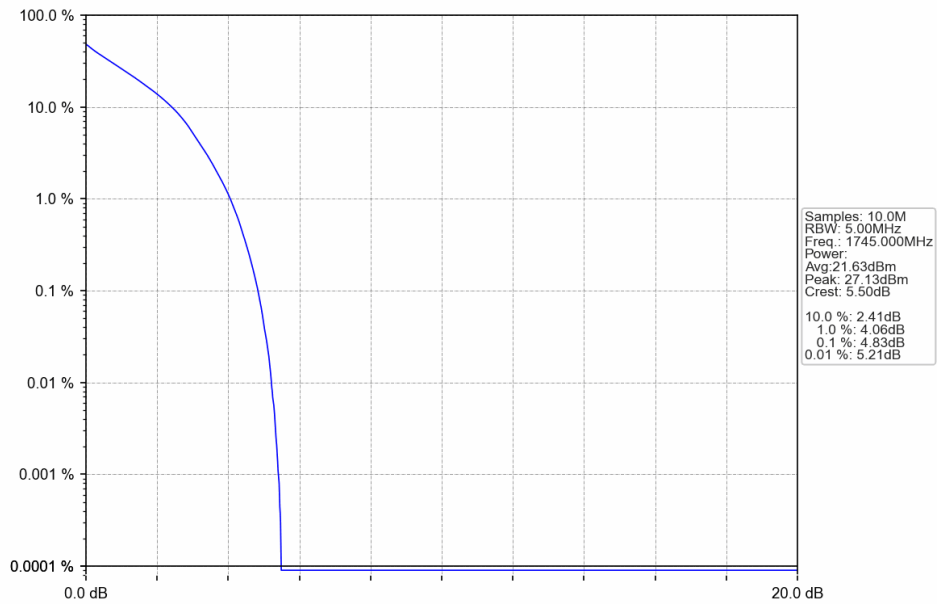
Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.99	<=13	Pass
	1745	15	0	4.83	<=13	Pass
	1778.5	15	0	3.61	<=13	Pass
16QAM	1711.5	15	0	5.79	<=13	Pass
	1745	15	0	5.63	<=13	Pass
	1778.5	15	0	4.34	<=13	Pass

5.2.2 Test Graph

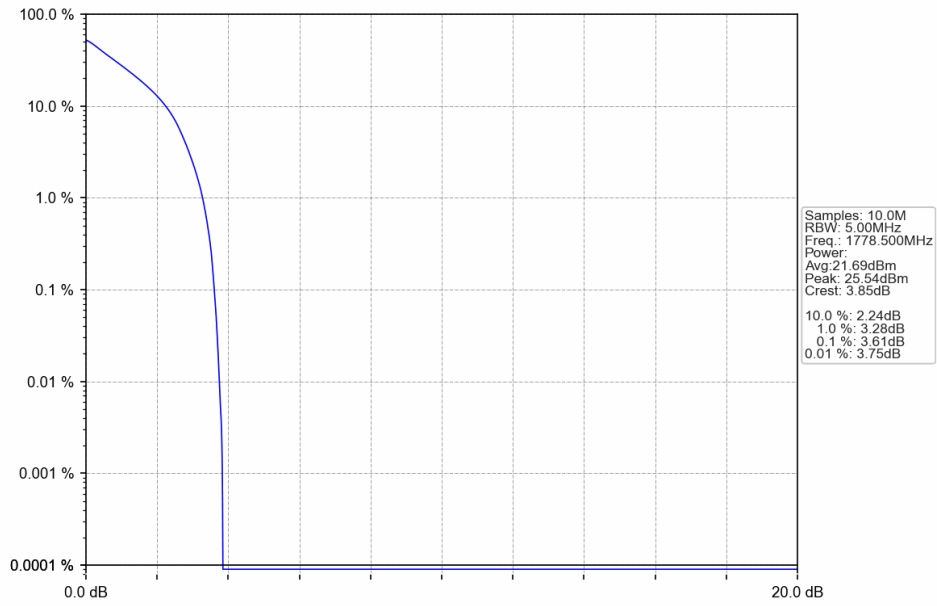
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



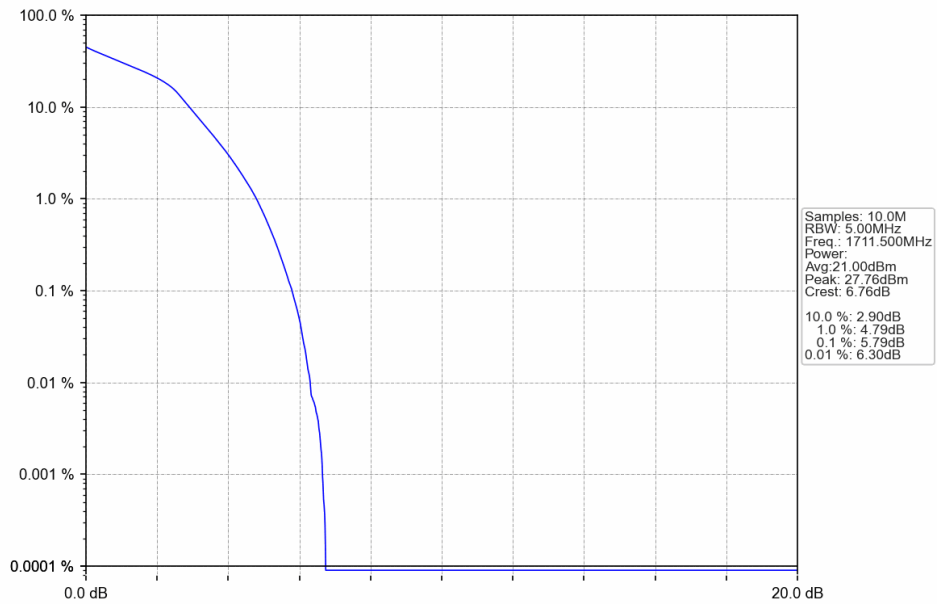
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



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