

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	21.20	0.00	21.20	<=30	Pass		
			2	21.38	0.00	21.38	<=30	Pass		
			5	21.19	0.00	21.19	<=30	Pass		
		3	0	21.06	0.00	21.06	<=30	Pass		
			2	21.03	0.00	21.03	<=30	Pass		
			3	21.05	0.00	21.05	<=30	Pass		
		6	0	20.29	0.00	20.29	<=30	Pass		
		1732.5	1	0	21.01	0.00	21.01	<=30	Pass	
				2	21.13	0.00	21.13	<=30	Pass	
	5			20.94	0.00	20.94	<=30	Pass		
	3		0	21.06	0.00	21.06	<=30	Pass		
			2	21.08	0.00	21.08	<=30	Pass		
			3	21.04	0.00	21.04	<=30	Pass		
	6		0	20.07	0.00	20.07	<=30	Pass		
	1754.3		1	0	20.75	0.00	20.75	<=30	Pass	
				2	20.87	0.00	20.87	<=30	Pass	
		5		20.76	0.00	20.76	<=30	Pass		
		3	0	20.58	0.00	20.58	<=30	Pass		
			2	20.65	0.00	20.65	<=30	Pass		
			3	20.57	0.00	20.57	<=30	Pass		
		6	0	19.95	0.00	19.95	<=30	Pass		
		16QAM	1710.7	1	0	20.06	0.00	20.06	<=30	Pass
					2	20.18	0.00	20.18	<=30	Pass
	5				20.11	0.00	20.11	<=30	Pass	
3	0			20.10	0.00	20.10	<=30	Pass		
	2			20.10	0.00	20.10	<=30	Pass		
	3			20.08	0.00	20.08	<=30	Pass		
6	0			19.06	0.00	19.06	<=30	Pass		
1732.5	1			0	20.19	0.00	20.19	<=30	Pass	
				2	20.30	0.00	20.30	<=30	Pass	
			5	20.17	0.00	20.17	<=30	Pass		
	3		0	20.16	0.00	20.16	<=30	Pass		
			2	20.16	0.00	20.16	<=30	Pass		
			3	20.15	0.00	20.15	<=30	Pass		
	6		0	19.08	0.00	19.08	<=30	Pass		
	1754.3		1	0	19.57	0.00	19.57	<=30	Pass	
				2	19.69	0.00	19.69	<=30	Pass	
5				19.59	0.00	19.59	<=30	Pass		
3			0	19.73	0.00	19.73	<=30	Pass		
			2	19.79	0.00	19.79	<=30	Pass		
			3	19.76	0.00	19.76	<=30	Pass		
6			0	18.72	0.00	18.72	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / 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	21.31	0.00	21.31	<=30	Pass		
			7	21.38	0.00	21.38	<=30	Pass		
			14	21.26	0.00	21.26	<=30	Pass		
		8	0	20.28	0.00	20.28	<=30	Pass		
			4	20.32	0.00	20.32	<=30	Pass		
			7	20.30	0.00	20.30	<=30	Pass		
		15	0	20.19	0.00	20.19	<=30	Pass		
		1732.5	1	0	21.05	0.00	21.05	<=30	Pass	
				7	21.20	0.00	21.20	<=30	Pass	
	14			21.04	0.00	21.04	<=30	Pass		
	8		0	20.16	0.00	20.16	<=30	Pass		
			4	20.17	0.00	20.17	<=30	Pass		
			7	20.10	0.00	20.10	<=30	Pass		
	15		0	20.17	0.00	20.17	<=30	Pass		
	1753.5		1	0	21.31	0.00	21.31	<=30	Pass	
				7	21.44	0.00	21.44	<=30	Pass	
		14		21.39	0.00	21.39	<=30	Pass		
		8	0	20.37	0.00	20.37	<=30	Pass		
			4	20.44	0.00	20.44	<=30	Pass		
			7	20.42	0.00	20.42	<=30	Pass		
		15	0	20.29	0.00	20.29	<=30	Pass		
		16QAM	1711.5	1	0	20.18	0.00	20.18	<=30	Pass
					7	20.28	0.00	20.28	<=30	Pass
	14				20.11	0.00	20.11	<=30	Pass	
8	0			19.19	0.00	19.19	<=30	Pass		
	4			19.21	0.00	19.21	<=30	Pass		
	7			19.18	0.00	19.18	<=30	Pass		
15	0			19.11	0.00	19.11	<=30	Pass		
1732.5	1			0	20.34	0.00	20.34	<=30	Pass	
				7	20.43	0.00	20.43	<=30	Pass	
			14	20.29	0.00	20.29	<=30	Pass		
	8		0	19.14	0.00	19.14	<=30	Pass		
			4	19.13	0.00	19.13	<=30	Pass		
			7	19.07	0.00	19.07	<=30	Pass		
	15		0	19.10	0.00	19.10	<=30	Pass		
	1753.5		1	0	20.65	0.00	20.65	<=30	Pass	
				7	20.73	0.00	20.73	<=30	Pass	
14				20.61	0.00	20.61	<=30	Pass		
8			0	19.35	0.00	19.35	<=30	Pass		
			4	19.39	0.00	19.39	<=30	Pass		
			7	19.37	0.00	19.37	<=30	Pass		
15			0	19.24	0.00	19.24	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	21.51	0.00	21.51	<=30	Pass		
			13	21.63	0.00	21.63	<=30	Pass		
			24	21.49	0.00	21.49	<=30	Pass		
		12	0	20.47	0.00	20.47	<=30	Pass		
			6	20.60	0.00	20.60	<=30	Pass		
			13	20.56	0.00	20.56	<=30	Pass		
		25	0	20.50	0.00	20.50	<=30	Pass		
		1732.5	1	0	21.41	0.00	21.41	<=30	Pass	
				13	21.45	0.00	21.45	<=30	Pass	
	24			21.34	0.00	21.34	<=30	Pass		
	12		0	20.51	0.00	20.51	<=30	Pass		
			6	20.57	0.00	20.57	<=30	Pass		
			13	20.45	0.00	20.45	<=30	Pass		
	25		0	20.54	0.00	20.54	<=30	Pass		
	1752.5		1	0	21.06	0.00	21.06	<=30	Pass	
				13	21.24	0.00	21.24	<=30	Pass	
		24		21.18	0.00	21.18	<=30	Pass		
		12	0	20.12	0.00	20.12	<=30	Pass		
			6	20.21	0.00	20.21	<=30	Pass		
			13	20.18	0.00	20.18	<=30	Pass		
		25	0	20.13	0.00	20.13	<=30	Pass		
		16QAM	1712.5	1	0	20.52	0.00	20.52	<=30	Pass
					13	20.63	0.00	20.63	<=30	Pass
	24				20.52	0.00	20.52	<=30	Pass	
12	0			19.37	0.00	19.37	<=30	Pass		
	6			19.50	0.00	19.50	<=30	Pass		
	13			19.46	0.00	19.46	<=30	Pass		
25	0			19.43	0.00	19.43	<=30	Pass		
1732.5	1			0	20.76	0.00	20.76	<=30	Pass	
				13	20.84	0.00	20.84	<=30	Pass	
			24	20.70	0.00	20.70	<=30	Pass		
	12		0	19.58	0.00	19.58	<=30	Pass		
			6	19.64	0.00	19.64	<=30	Pass		
			13	19.51	0.00	19.51	<=30	Pass		
	25		0	19.54	0.00	19.54	<=30	Pass		
	1752.5		1	0	19.90	0.00	19.90	<=30	Pass	
				13	20.01	0.00	20.01	<=30	Pass	
24				19.92	0.00	19.92	<=30	Pass		
12			0	19.06	0.00	19.06	<=30	Pass		
			6	19.14	0.00	19.14	<=30	Pass		
			13	19.09	0.00	19.09	<=30	Pass		
25			0	19.09	0.00	19.09	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	21.63	0.00	21.63	<=30	Pass		
			25	21.86	0.00	21.86	<=30	Pass		
			49	21.55	0.00	21.55	<=30	Pass		
		25	0	20.55	0.00	20.55	<=30	Pass		
			13	20.64	0.00	20.64	<=30	Pass		
			25	20.61	0.00	20.61	<=30	Pass		
		50	0	20.55	0.00	20.55	<=30	Pass		
		1732.5	1	0	21.46	0.00	21.46	<=30	Pass	
				25	21.63	0.00	21.63	<=30	Pass	
	49			21.30	0.00	21.30	<=30	Pass		
	25		0	20.72	0.00	20.72	<=30	Pass		
			13	20.63	0.00	20.63	<=30	Pass		
			25	20.56	0.00	20.56	<=30	Pass		
	50		0	20.65	0.00	20.65	<=30	Pass		
	1750		1	0	21.11	0.00	21.11	<=30	Pass	
				25	21.40	0.00	21.40	<=30	Pass	
		49		21.26	0.00	21.26	<=30	Pass		
		25	0	20.24	0.00	20.24	<=30	Pass		
			13	20.25	0.00	20.25	<=30	Pass		
			25	20.26	0.00	20.26	<=30	Pass		
		50	0	20.25	0.00	20.25	<=30	Pass		
		16QAM	1715	1	0	20.51	0.00	20.51	<=30	Pass
					25	20.74	0.00	20.74	<=30	Pass
	49				20.50	0.00	20.50	<=30	Pass	
25	0			19.48	0.00	19.48	<=30	Pass		
	13			19.61	0.00	19.61	<=30	Pass		
	25			19.61	0.00	19.61	<=30	Pass		
50	0			19.49	0.00	19.49	<=30	Pass		
1732.5	1			0	20.69	0.00	20.69	<=30	Pass	
				25	20.89	0.00	20.89	<=30	Pass	
			49	20.55	0.00	20.55	<=30	Pass		
	25		0	19.73	0.00	19.73	<=30	Pass		
			13	19.66	0.00	19.66	<=30	Pass		
			25	19.57	0.00	19.57	<=30	Pass		
	50		0	19.62	0.00	19.62	<=30	Pass		
	1750		1	0	20.69	0.00	20.69	<=30	Pass	
				25	20.77	0.00	20.77	<=30	Pass	
49				20.49	0.00	20.49	<=30	Pass		
25			0	19.29	0.00	19.29	<=30	Pass		
			13	19.22	0.00	19.22	<=30	Pass		
			25	19.23	0.00	19.23	<=30	Pass		
50			0	19.21	0.00	19.21	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	21.47	0.00	21.47	<=30	Pass		
			38	21.61	0.00	21.61	<=30	Pass		
			74	21.30	0.00	21.30	<=30	Pass		
		36	0	20.67	0.00	20.67	<=30	Pass		
			18	20.74	0.00	20.74	<=30	Pass		
			39	20.58	0.00	20.58	<=30	Pass		
		75	0	20.62	0.00	20.62	<=30	Pass		
		1732.5	1	0	21.34	0.00	21.34	<=30	Pass	
				38	21.47	0.00	21.47	<=30	Pass	
	74			21.09	0.00	21.09	<=30	Pass		
	36		0	20.64	0.00	20.64	<=30	Pass		
			18	20.55	0.00	20.55	<=30	Pass		
			39	20.41	0.00	20.41	<=30	Pass		
	75		0	20.56	0.00	20.56	<=30	Pass		
	1747.5		1	0	21.01	0.00	21.01	<=30	Pass	
				38	21.20	0.00	21.20	<=30	Pass	
		74		21.08	0.00	21.08	<=30	Pass		
		36	0	20.26	0.00	20.26	<=30	Pass		
			18	20.29	0.00	20.29	<=30	Pass		
			39	20.31	0.00	20.31	<=30	Pass		
		75	0	20.31	0.00	20.31	<=30	Pass		
		16QAM	1717.5	1	0	20.62	0.00	20.62	<=30	Pass
					38	20.80	0.00	20.80	<=30	Pass
	74				20.76	0.00	20.76	<=30	Pass	
36	0			19.51	0.00	19.51	<=30	Pass		
	18			19.58	0.00	19.58	<=30	Pass		
	39			19.48	0.00	19.48	<=30	Pass		
75	0			19.47	0.00	19.47	<=30	Pass		
1732.5	1			0	20.56	0.00	20.56	<=30	Pass	
				38	20.71	0.00	20.71	<=30	Pass	
			74	20.36	0.00	20.36	<=30	Pass		
	36		0	19.63	0.00	19.63	<=30	Pass		
			18	19.57	0.00	19.57	<=30	Pass		
			39	19.43	0.00	19.43	<=30	Pass		
	75		0	19.52	0.00	19.52	<=30	Pass		
	1747.5		1	0	20.74	0.00	20.74	<=30	Pass	
				38	20.69	0.00	20.69	<=30	Pass	
74				20.35	0.00	20.35	<=30	Pass		
36			0	19.32	0.00	19.32	<=30	Pass		
			18	19.31	0.00	19.31	<=30	Pass		
			39	19.24	0.00	19.24	<=30	Pass		
75			0	19.26	0.00	19.26	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit			
QPSK	1720	1	0	21.24	0.00	21.24	<=30	Pass		
			50	21.67	0.00	21.67	<=30	Pass		
			99	21.14	0.00	21.14	<=30	Pass		
		50	0	20.50	0.00	20.50	<=30	Pass		
			25	20.57	0.00	20.57	<=30	Pass		
			50	20.39	0.00	20.39	<=30	Pass		
		100	0	20.49	0.00	20.49	<=30	Pass		
		1732.5	1	0	21.17	0.00	21.17	<=30	Pass	
				50	21.61	0.00	21.61	<=30	Pass	
	99			20.96	0.00	20.96	<=30	Pass		
	50		0	20.75	0.00	20.75	<=30	Pass		
			25	20.55	0.00	20.55	<=30	Pass		
			50	20.42	0.00	20.42	<=30	Pass		
	100		0	20.58	0.00	20.58	<=30	Pass		
	1745		1	0	21.02	0.00	21.02	<=30	Pass	
				50	21.32	0.00	21.32	<=30	Pass	
		99		20.91	0.00	20.91	<=30	Pass		
		50	0	20.35	0.00	20.35	<=30	Pass		
			25	20.22	0.00	20.22	<=30	Pass		
			50	20.23	0.00	20.23	<=30	Pass		
		100	0	20.29	0.00	20.29	<=30	Pass		
		16QAM	1720	1	0	20.64	0.00	20.64	<=30	Pass
					50	21.16	0.00	21.16	<=30	Pass
	99				20.79	0.00	20.79	<=30	Pass	
50	0			19.41	0.00	19.41	<=30	Pass		
	25			19.50	0.00	19.50	<=30	Pass		
	50			19.38	0.00	19.38	<=30	Pass		
100	0			19.42	0.00	19.42	<=30	Pass		
1732.5	1			0	20.43	0.00	20.43	<=30	Pass	
				50	20.90	0.00	20.90	<=30	Pass	
			99	20.25	0.00	20.25	<=30	Pass		
	50		0	19.74	0.00	19.74	<=30	Pass		
			25	19.54	0.00	19.54	<=30	Pass		
			50	19.38	0.00	19.38	<=30	Pass		
	100		0	19.58	0.00	19.58	<=30	Pass		
	1745		1	0	20.46	0.00	20.46	<=30	Pass	
				50	20.72	0.00	20.72	<=30	Pass	
99				20.01	0.00	20.01	<=30	Pass		
50			0	19.36	0.00	19.36	<=30	Pass		
			25	19.31	0.00	19.31	<=30	Pass		
			50	19.21	0.00	19.21	<=30	Pass		
100			0	19.27	0.00	19.27	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / 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	-16.379	-0.0096	-2.5 to 2.5	Pass
					3.85	3.090	0.0018	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-9.871	-0.0058	-2.5 to 2.5	Pass
				0	3.85	7.796	0.0046	-2.5 to 2.5	Pass
				10	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-4.206	-0.0025	-2.5 to 2.5	Pass
	50	3.85	-0.429	-0.0003	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	-11.988	-0.0069	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.792	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.532	-0.0015	-2.5 to 2.5	Pass
	50	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-9.642	-0.0055	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0034	-2.5 to 2.5	Pass
					4.43	-2.747	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.992	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
30				3.85	-6.294	-0.0036	-2.5 to 2.5	Pass	
40				3.85	-5.593	-0.0032	-2.5 to 2.5	Pass	
50	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-2.904	-0.0017	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.403	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-9.427	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
	50	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	-1.016	-0.0006	-2.5 to 2.5	Pass
					3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass

	1754.3	6	0	40	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-4.950	-0.0029	-2.5 to 2.5	Pass
				20	3.27	-4.950	-0.0028	-2.5 to 2.5	Pass
					3.85	-4.606	-0.0026	-2.5 to 2.5	Pass
					4.43	-7.582	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-8.597	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-5.651	-0.0032	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / 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	-3.033	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.233	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.050	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				1732.5	15	0	20	3.27	-7.396
	3.85	-8.283	-0.0048					-2.5 to 2.5	Pass
	4.43	-5.379	-0.0031					-2.5 to 2.5	Pass
	-30	3.85	-4.978				-0.0029	-2.5 to 2.5	Pass
	-20	3.85	-5.178				-0.0030	-2.5 to 2.5	Pass
	-10	3.85	-5.064				-0.0029	-2.5 to 2.5	Pass
	0	3.85	-3.490				-0.0020	-2.5 to 2.5	Pass
	10	3.85	-5.107				-0.0029	-2.5 to 2.5	Pass
	30	3.85	-2.732				-0.0016	-2.5 to 2.5	Pass
	40	3.85	-3.991				-0.0023	-2.5 to 2.5	Pass
	50	3.85	-6.366				-0.0037	-2.5 to 2.5	Pass
	1753.5	15	0				20	3.27	-5.422
				3.85	-9.627	-0.0055		-2.5 to 2.5	Pass
				4.43	-9.527	-0.0054		-2.5 to 2.5	Pass
				-30	3.85	-6.166	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
30				3.85	-7.868	-0.0045	-2.5 to 2.5	Pass	

				40	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-6.151	-0.0036	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				4.43	-6.065	-0.0035	-2.5 to 2.5	Pass	
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.377	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-6.437	-0.0038	-2.5 to 2.5	Pass
	50	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	-6.552	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				4.43	-7.310	-0.0042	-2.5 to 2.5	Pass	
				-30	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-7.896	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-10.571	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
	50	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	-7.138	-0.0041	-2.5 to 2.5	Pass
					3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				4.43	-4.163	-0.0024	-2.5 to 2.5	Pass	
				-30	3.85	-3.877	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-7.167	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-8.640	-0.0049	-2.5 to 2.5	Pass
30				3.85	-4.864	-0.0028	-2.5 to 2.5	Pass	
40				3.85	-6.180	-0.0035	-2.5 to 2.5	Pass	
50	3.85	-8.712	-0.0050	-2.5 to 2.5	Pass				

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / 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	-3.219	-0.0019	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				4.43	-1.545	-0.0009	-2.5 to 2.5	Pass	
				-30	3.85	-3.347	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.324	-0.0043	-2.5 to 2.5	Pass
30	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass				

	1732.5	25	0	40	3.85	-4.034	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-7.195	-0.0042	-2.5 to 2.5	Pass
				20	3.27	-14.749	-0.0085	-2.5 to 2.5	Pass
					3.85	-9.170	-0.0053	-2.5 to 2.5	Pass
					4.43	-5.836	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-9.499	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-9.913	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-12.503	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass
	30	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass			
	40	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass			
	50	3.85	-9.499	-0.0055	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	-12.331	-0.0070	-2.5 to 2.5	Pass
					3.85	-7.596	-0.0043	-2.5 to 2.5	Pass
					4.43	4.120	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-7.524	-0.0043	-2.5 to 2.5	Pass
	50	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass			
	16QAM	1712.5	25	0	20	3.27	-9.699	-0.0057	-2.5 to 2.5
3.85						-2.475	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.519	-0.0021	-2.5 to 2.5	Pass
-30					3.85	-6.194	-0.0036	-2.5 to 2.5	Pass
-20					3.85	-7.467	-0.0044	-2.5 to 2.5	Pass
-10					3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
0					3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
10					3.85	-2.489	-0.0015	-2.5 to 2.5	Pass
30					3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
40					3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
50		3.85	-2.289	-0.0013	-2.5 to 2.5	Pass			
1732.5		25	0	20	3.27	-7.782	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
					4.43	-6.795	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-7.396	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-10.099	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-9.441	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
50		3.85	-5.679	-0.0033	-2.5 to 2.5	Pass			
1752.5		25	0	20	3.27	-3.419	-0.0020	-2.5 to 2.5	Pass
					3.85	3.719	0.0021	-2.5 to 2.5	Pass
					4.43	-1.173	-0.0007	-2.5 to 2.5	Pass
	-30			3.85	-2.432	-0.0014	-2.5 to 2.5	Pass	
	-20			3.85	-1.473	-0.0008	-2.5 to 2.5	Pass	
	-10			3.85	-0.343	-0.0002	-2.5 to 2.5	Pass	
	0			3.85	-1.602	-0.0009	-2.5 to 2.5	Pass	
10	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass				
30	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass				

				40	3.85	-4.420	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-6.552	-0.0037	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / 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	-12.016	-0.0070	-2.5 to 2.5	Pass	
					3.85	-11.916	-0.0069	-2.5 to 2.5	Pass	
					4.43	-9.813	-0.0057	-2.5 to 2.5	Pass	
				-30	3.85	-10.486	-0.0061	-2.5 to 2.5	Pass	
					-20	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
						3.85	-5.751	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-8.912	-0.0052	-2.5 to 2.5	Pass	
					10	3.85	-11.759	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-12.002	-0.0070	-2.5 to 2.5	Pass	
	40	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass				
	50	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass				
	1732.5	50	0	20	3.27	-13.032	-0.0075	-2.5 to 2.5	Pass	
					3.85	-4.935	-0.0028	-2.5 to 2.5	Pass	
					4.43	-4.935	-0.0028	-2.5 to 2.5	Pass	
				-30	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass	
					-20	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
						3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass	
					10	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass	
	40	3.85	2.732	0.0016	-2.5 to 2.5	Pass				
	50	3.85	4.106	0.0024	-2.5 to 2.5	Pass				
	1750	50	0	20	3.27	-13.018	-0.0074	-2.5 to 2.5	Pass	
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass	
					4.43	-4.063	-0.0023	-2.5 to 2.5	Pass	
				-30	3.85	-5.307	-0.0030	-2.5 to 2.5	Pass	
					-20	3.85	-9.542	-0.0055	-2.5 to 2.5	Pass
3.85						-8.926	-0.0051	-2.5 to 2.5	Pass	
-10				3.85	-7.682	-0.0044	-2.5 to 2.5	Pass		
				0	3.85	-5.865	-0.0034	-2.5 to 2.5	Pass	
10				3.85	-3.047	-0.0017	-2.5 to 2.5	Pass		
30	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass					
40	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass					
16QAM	1715	50	0	20	3.27	-7.782	-0.0045	-2.5 to 2.5	Pass	
					3.85	-6.738	-0.0039	-2.5 to 2.5	Pass	
					4.43	-11.101	-0.0065	-2.5 to 2.5	Pass	
				-30	3.85	-10.085	-0.0059	-2.5 to 2.5	Pass	
					-20	3.85	-10.772	-0.0063	-2.5 to 2.5	Pass
				3.85		-9.770	-0.0057	-2.5 to 2.5	Pass	
				0	3.85	-6.480	-0.0038	-2.5 to 2.5	Pass	
10	3.85	-8.240	-0.0048	-2.5 to 2.5	Pass					
30	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass					

	1732.5	50	0	40	3.85	-8.211	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				20	3.27	-5.794	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-9.098	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass
	30	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass			
	40	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass			
	50	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-4.921	-0.0028	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					4.43	-4.334	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.479	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-7.882	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0038	-2.5 to 2.5	Pass
10				3.85	-9.127	-0.0052	-2.5 to 2.5	Pass	
30				3.85	-3.548	-0.0020	-2.5 to 2.5	Pass	
40				3.85	-3.233	-0.0018	-2.5 to 2.5	Pass	
50	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass				

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-10.643	-0.0062	-2.5 to 2.5	Pass
					3.85	-9.356	-0.0054	-2.5 to 2.5	Pass
					4.43	-8.969	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-9.055	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-11.373	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-10.543	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
	40	3.85	-9.012	-0.0052	-2.5 to 2.5	Pass			
	50	3.85	-6.080	-0.0035	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.27	-6.509	-0.0038	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
10				3.85	-2.818	-0.0016	-2.5 to 2.5	Pass	
30				3.85	-3.619	-0.0021	-2.5 to 2.5	Pass	

	1747.5	75	0	40	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				50	3.85	4.249	0.0025	-2.5 to 2.5	Pass
				20	3.27	-9.828	-0.0056	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				30	3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-7.553	-0.0044	-2.5 to 2.5	Pass
					3.85	-9.742	-0.0057	-2.5 to 2.5	Pass
					4.43	-7.839	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-11.702	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-9.899	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-9.956	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-8.969	-0.0052	-2.5 to 2.5	Pass
	50	3.85	-8.383	-0.0049	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.27	-3.304	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
					4.43	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
	50	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.27	-0.901	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.905	-0.0022	-2.5 to 2.5	Pass
-30				3.85	-2.375	-0.0014	-2.5 to 2.5	Pass	
-20				3.85	-5.851	-0.0033	-2.5 to 2.5	Pass	
-10				3.85	-8.540	-0.0049	-2.5 to 2.5	Pass	
0				3.85	0.200	0.0001	-2.5 to 2.5	Pass	
10				3.85	-2.217	-0.0013	-2.5 to 2.5	Pass	
30				3.85	-2.990	-0.0017	-2.5 to 2.5	Pass	
40				3.85	-4.692	-0.0027	-2.5 to 2.5	Pass	
50	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass				

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz

Test Report Number: BTF230628R00105

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	-9.842	-0.0057	-2.5 to 2.5	Pass
					3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
					4.43	-11.029	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-8.397	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.510	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.726	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-6.080	-0.0035	-2.5 to 2.5	Pass
	50	3.85	-7.482	-0.0044	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-7.725	-0.0045	-2.5 to 2.5	Pass
					3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.164	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				30	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
	50	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-8.039	-0.0046	-2.5 to 2.5	Pass
					3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.978	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
30				3.85	2.060	0.0012	-2.5 to 2.5	Pass	
40				3.85	-0.901	-0.0005	-2.5 to 2.5	Pass	
50	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-7.067	-0.0041	-2.5 to 2.5	Pass
					3.85	-8.268	-0.0048	-2.5 to 2.5	Pass
					4.43	-8.340	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-7.310	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-7.825	-0.0045	-2.5 to 2.5	Pass
	50	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-2.275	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.176	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
10				3.85	-1.316	-0.0008	-2.5 to 2.5	Pass	
30	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass				

	1745	100	0	40	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				20	3.27	-0.644	-0.0004	-2.5 to 2.5	Pass
					3.85	0.014	0.0000	-2.5 to 2.5	Pass
					4.43	-3.533	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass

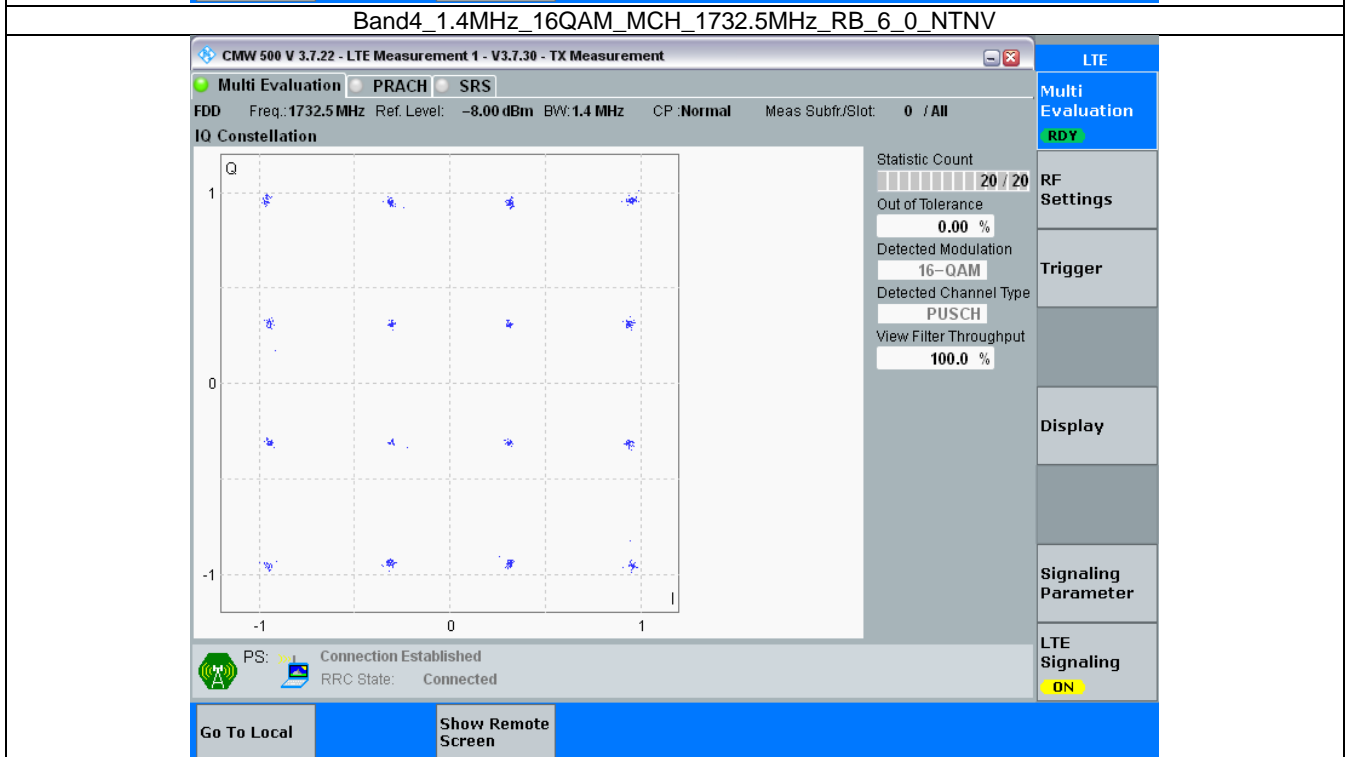
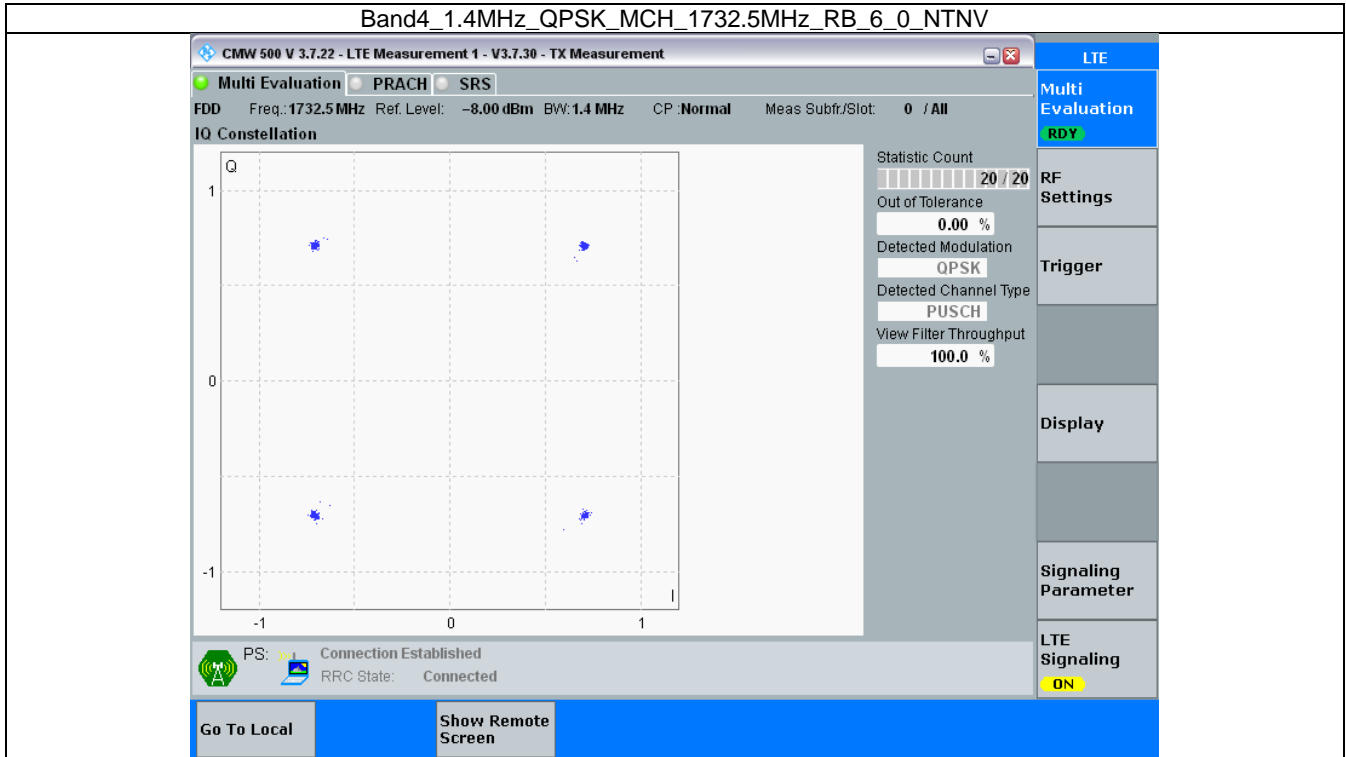
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

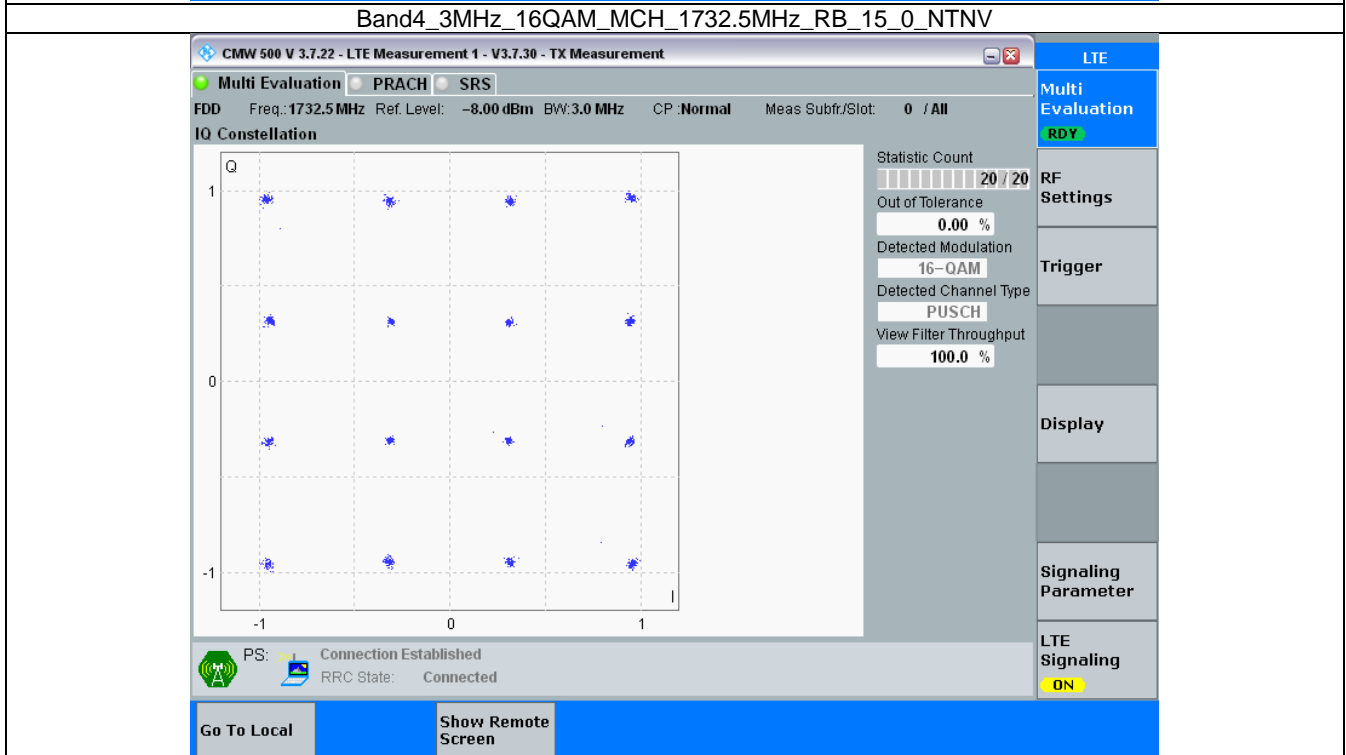
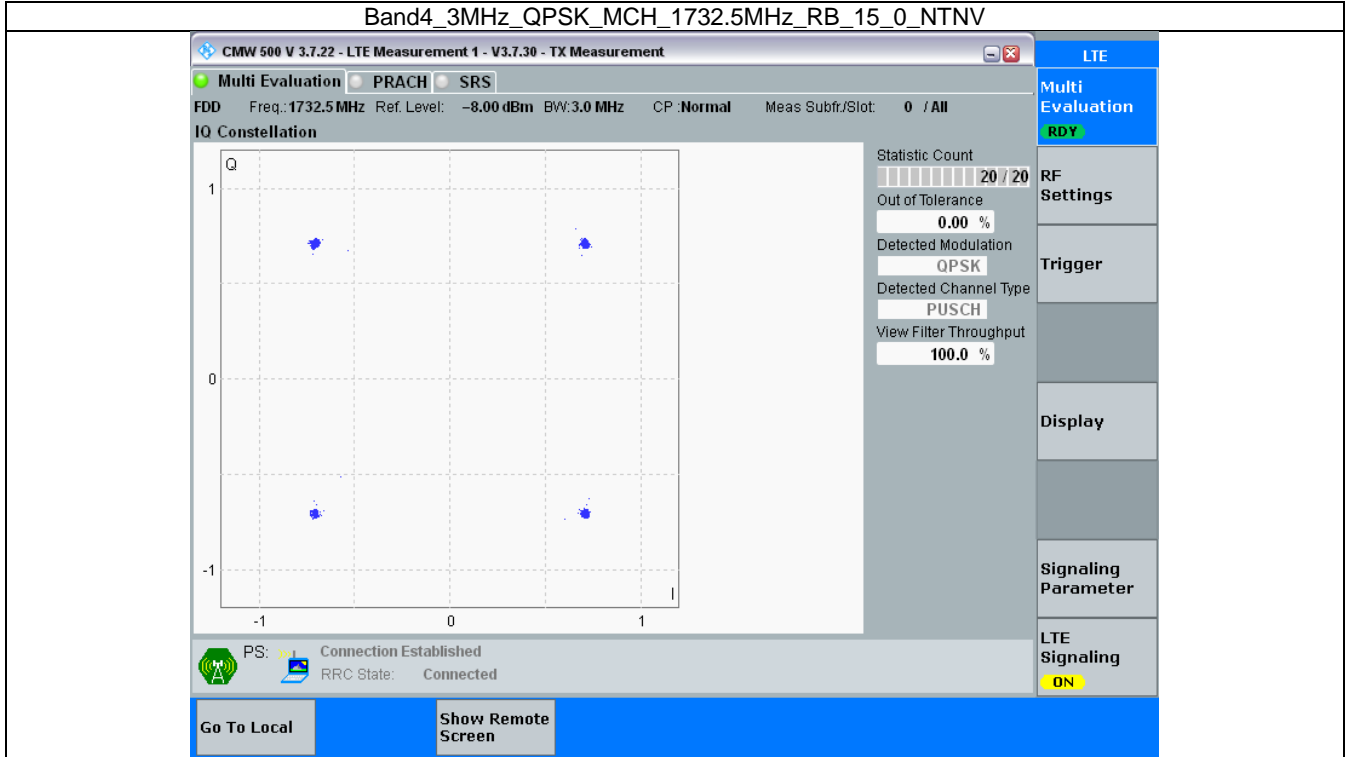


3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

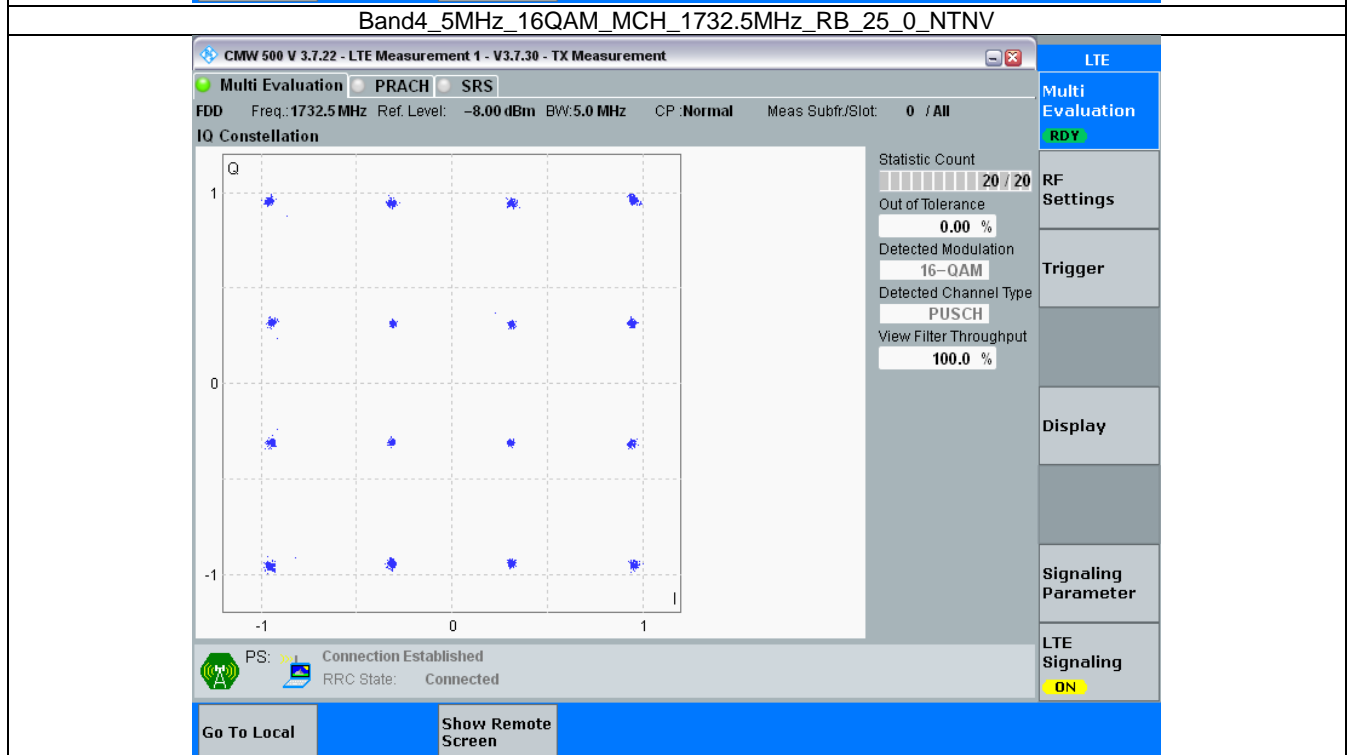
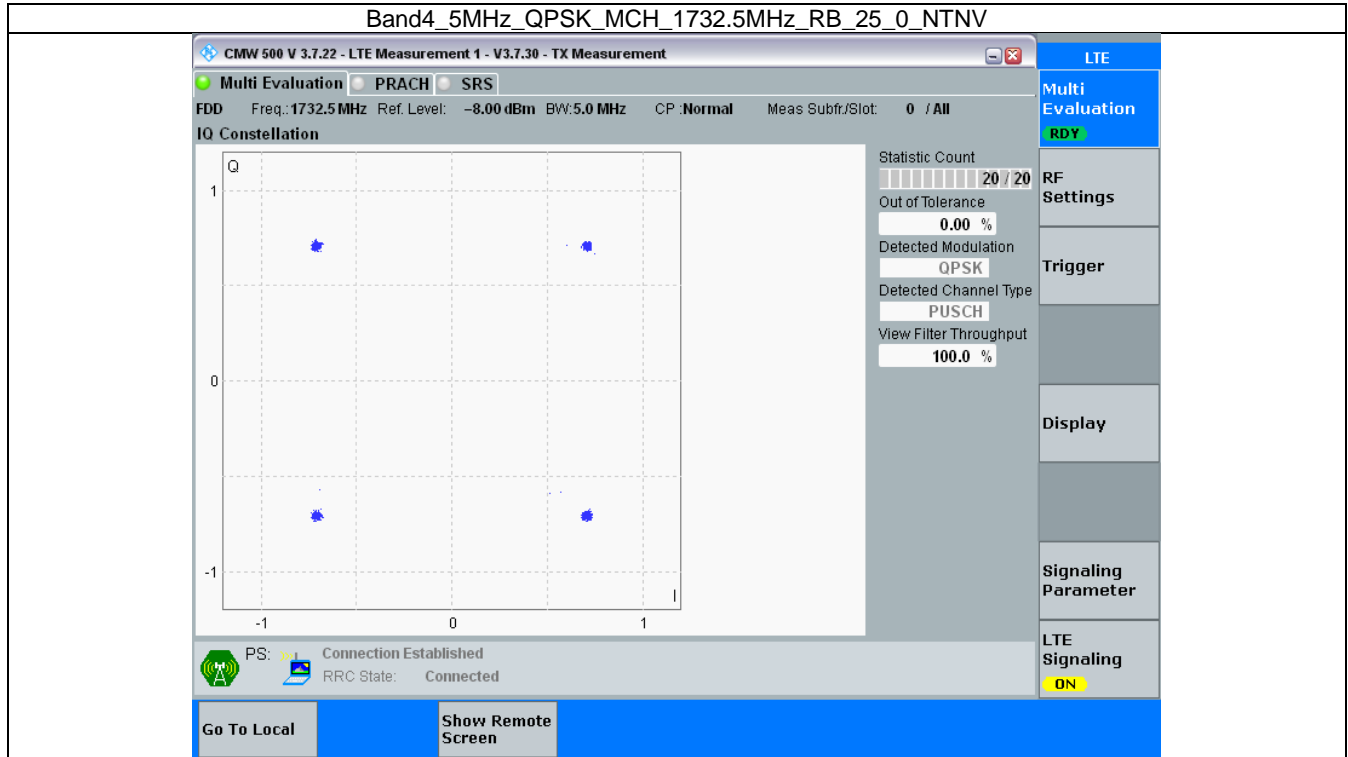


3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

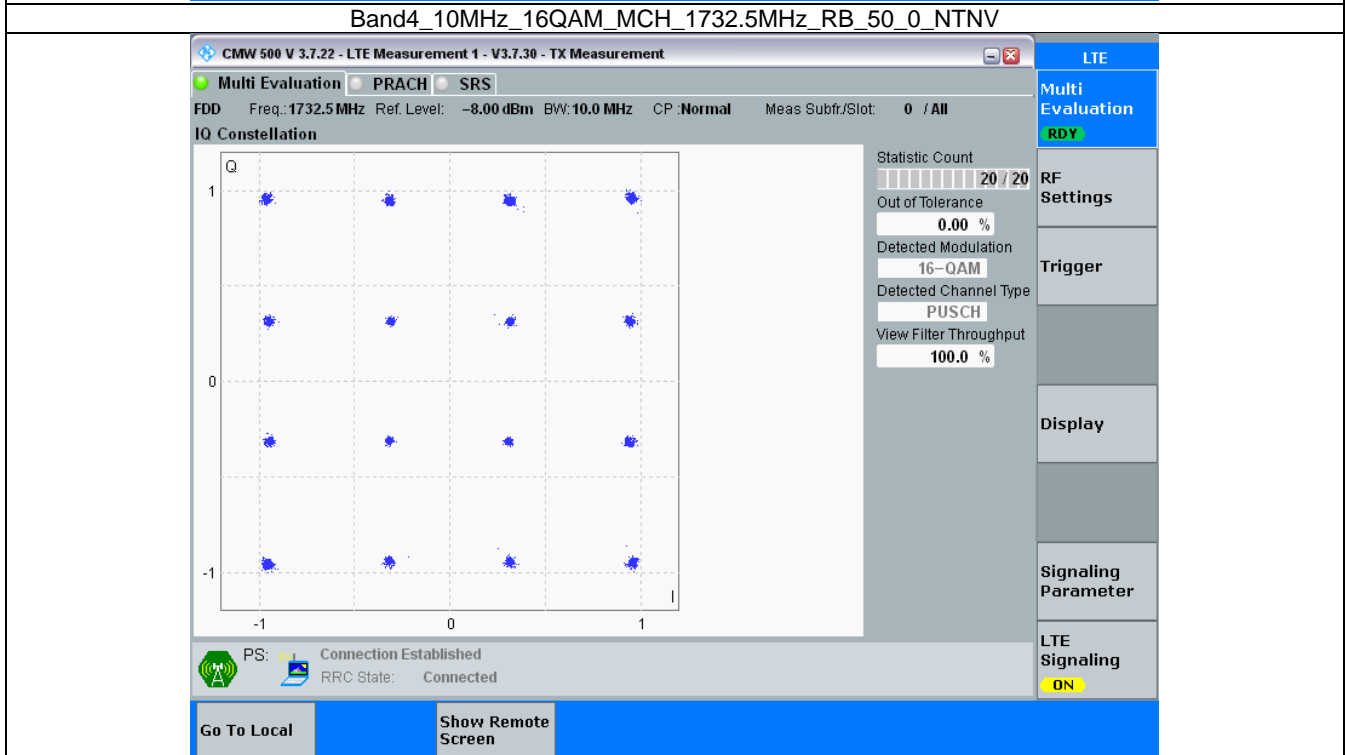
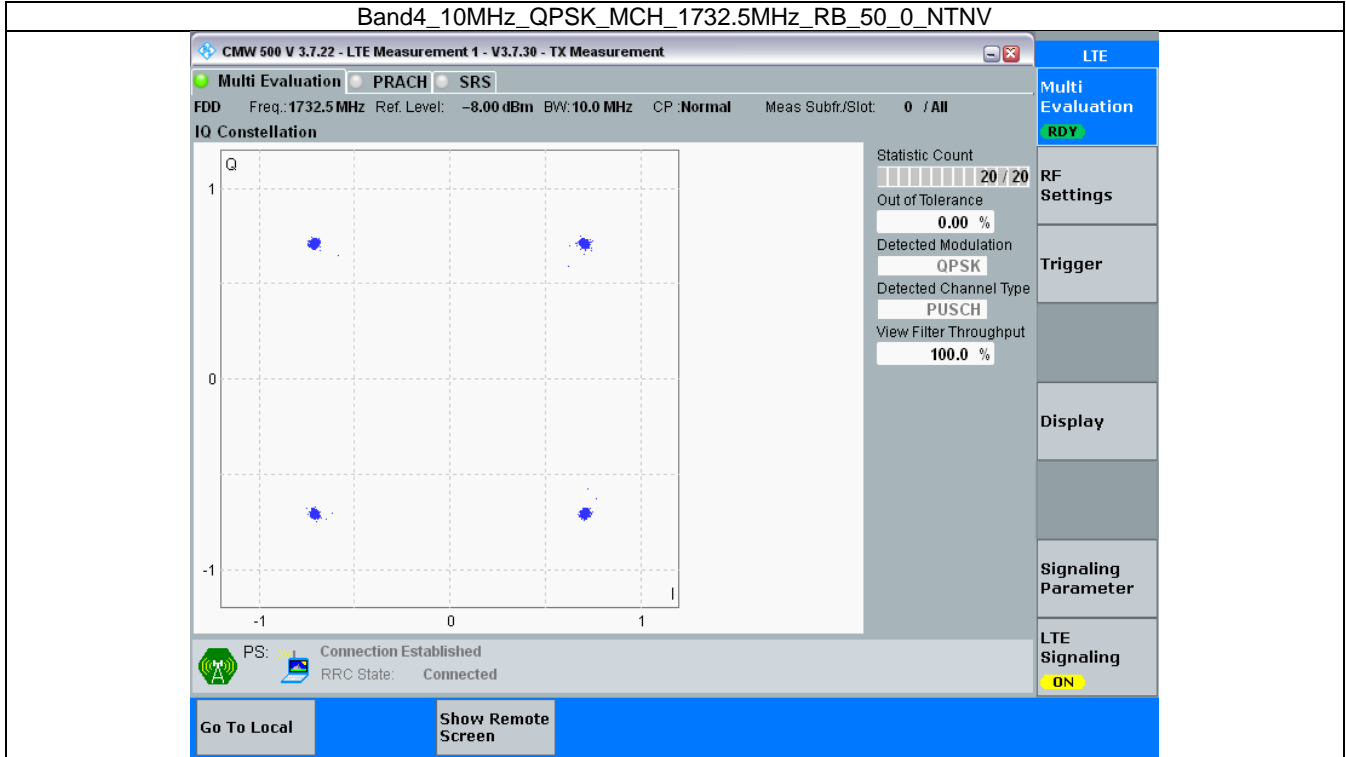


3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

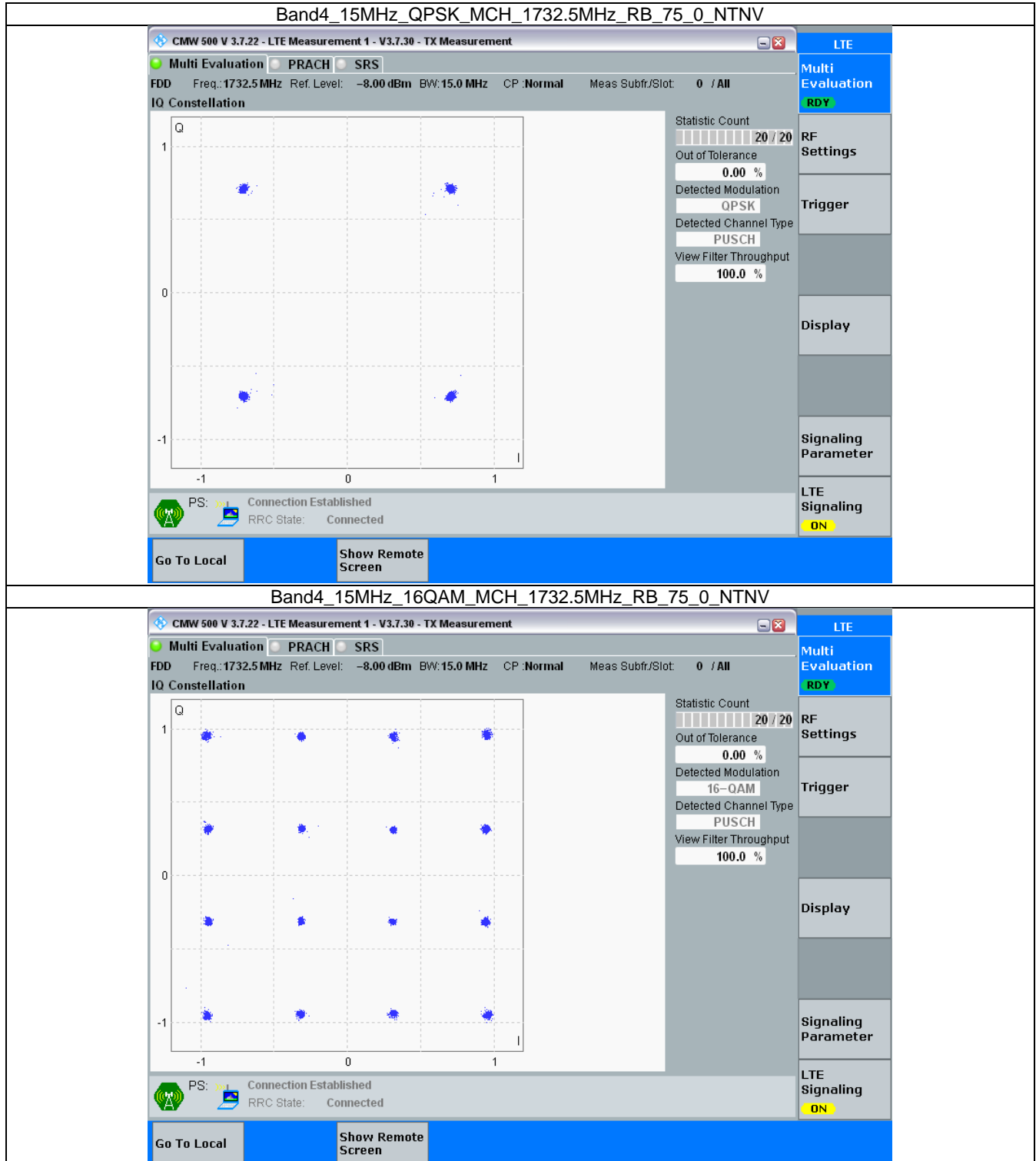


3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

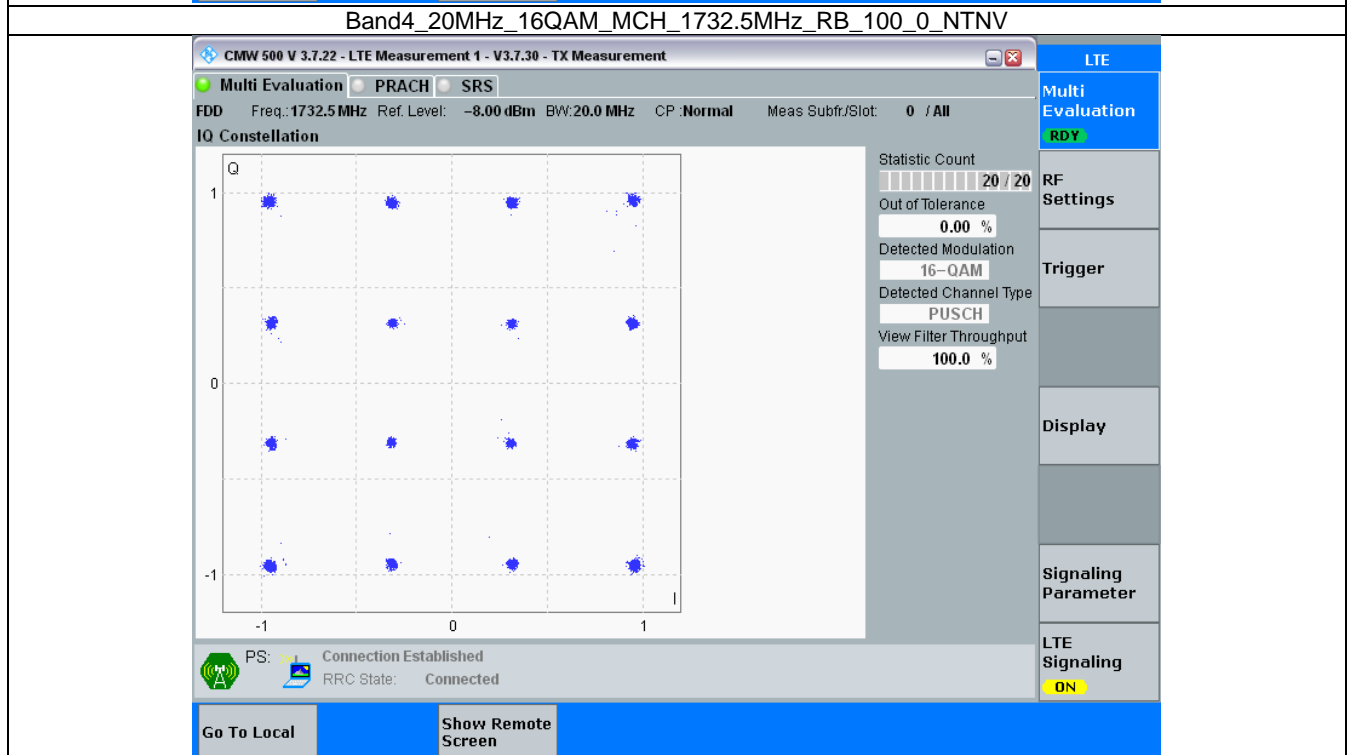
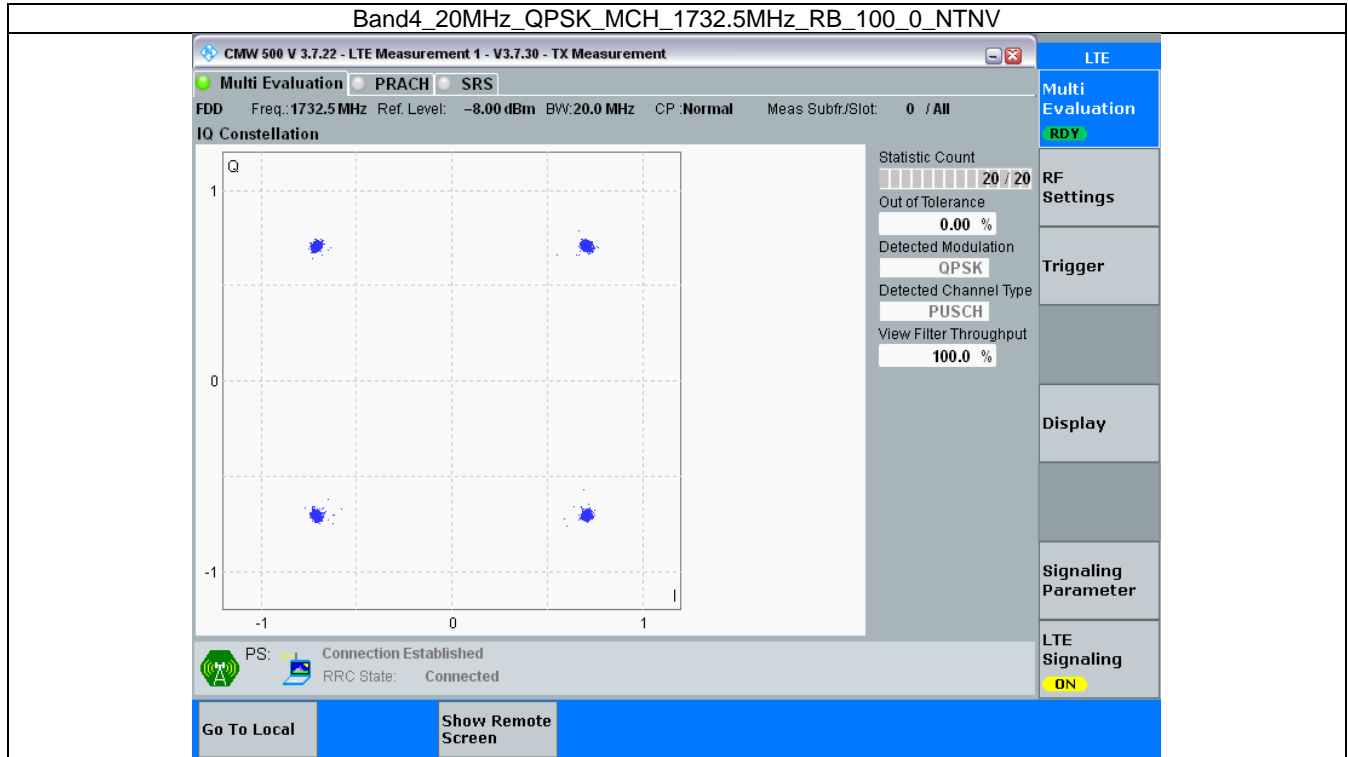


3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph



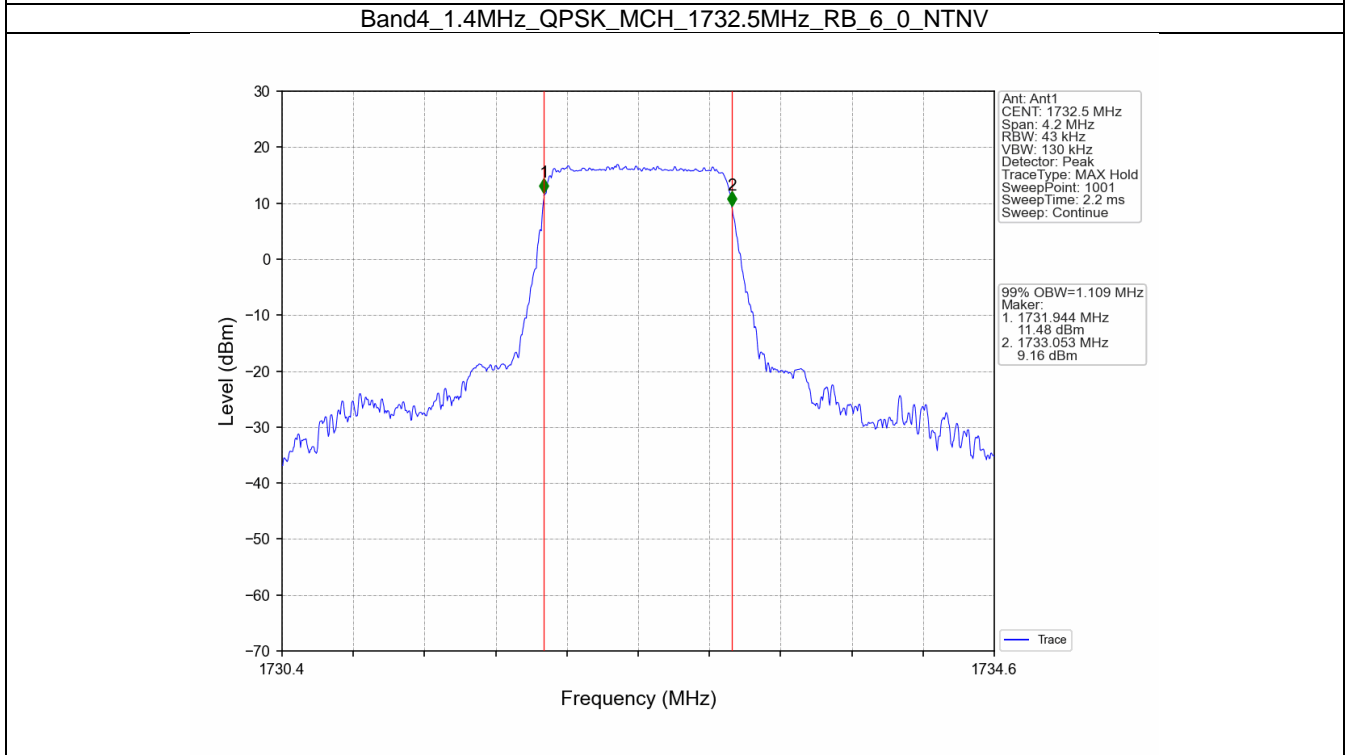
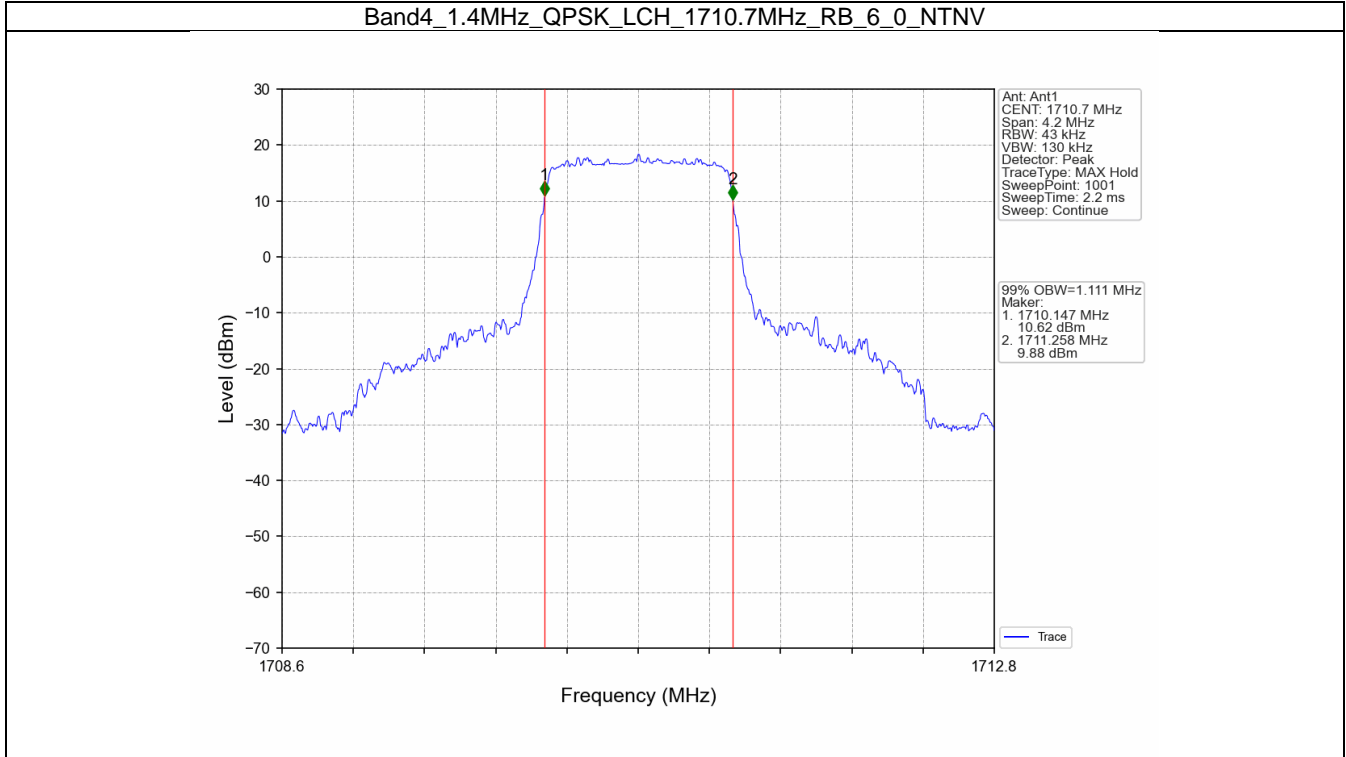
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

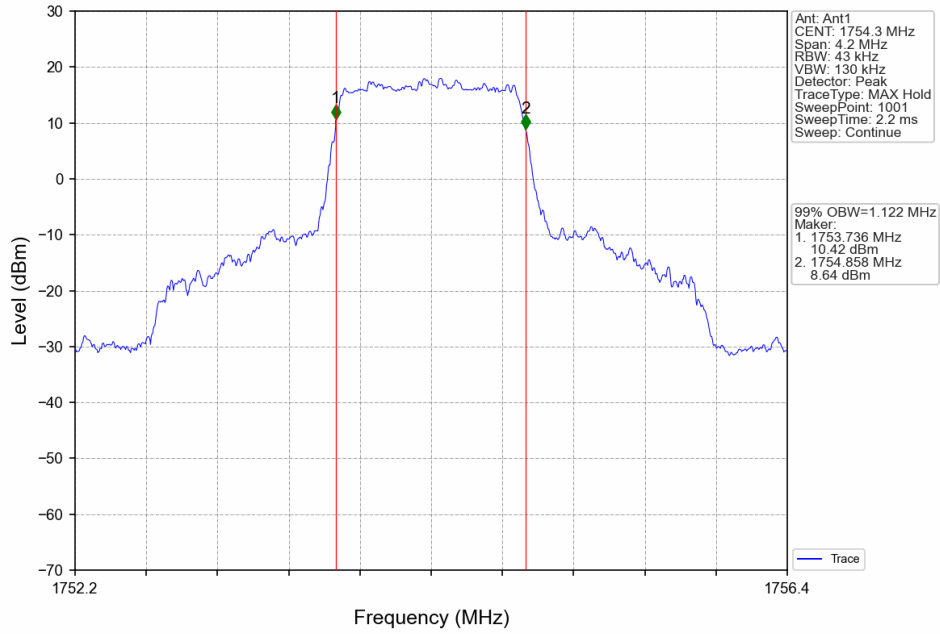
4.1.1 Test Result

Band: 4 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.111	Pass
		1732.5	6	0	1.109	Pass
		1754.3	6	0	1.122	Pass
	16QAM	1710.7	6	0	1.105	Pass
		1732.5	6	0	1.113	Pass
		1754.3	6	0	1.117	Pass
3	QPSK	1711.5	15	0	2.737	Pass
		1732.5	15	0	2.739	Pass
		1753.5	15	0	2.735	Pass
	16QAM	1711.5	15	0	2.725	Pass
		1732.5	15	0	2.726	Pass
		1753.5	15	0	2.733	Pass
5	QPSK	1712.5	25	0	4.574	Pass
		1732.5	25	0	4.559	Pass
		1752.5	25	0	4.611	Pass
	16QAM	1712.5	25	0	4.592	Pass
		1732.5	25	0	4.575	Pass
		1752.5	25	0	4.587	Pass
10	QPSK	1715	50	0	9.092	Pass
		1732.5	50	0	9.068	Pass
		1750	50	0	9.100	Pass
	16QAM	1715	50	0	9.074	Pass
		1732.5	50	0	9.065	Pass
		1750	50	0	9.101	Pass
15	QPSK	1717.5	75	0	13.603	Pass
		1732.5	75	0	13.613	Pass
		1747.5	75	0	13.682	Pass
	16QAM	1717.5	75	0	13.618	Pass
		1732.5	75	0	13.646	Pass
		1747.5	75	0	13.624	Pass
20	QPSK	1720	100	0	18.124	Pass
		1732.5	100	0	18.141	Pass
		1745	100	0	18.184	Pass
	16QAM	1720	100	0	18.078	Pass
		1732.5	100	0	18.178	Pass
		1745	100	0	18.212	Pass

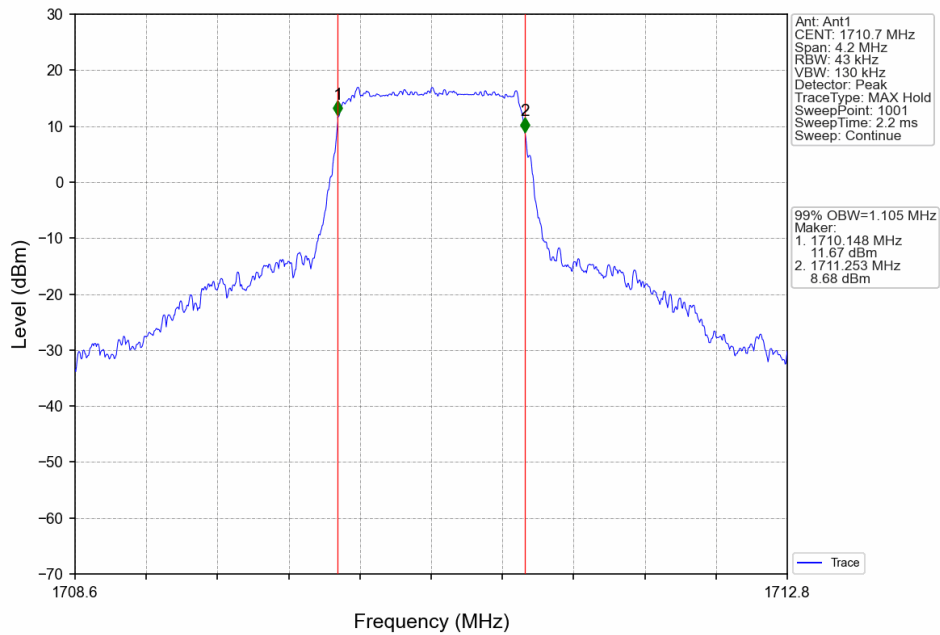
4.1.2 Test Graph



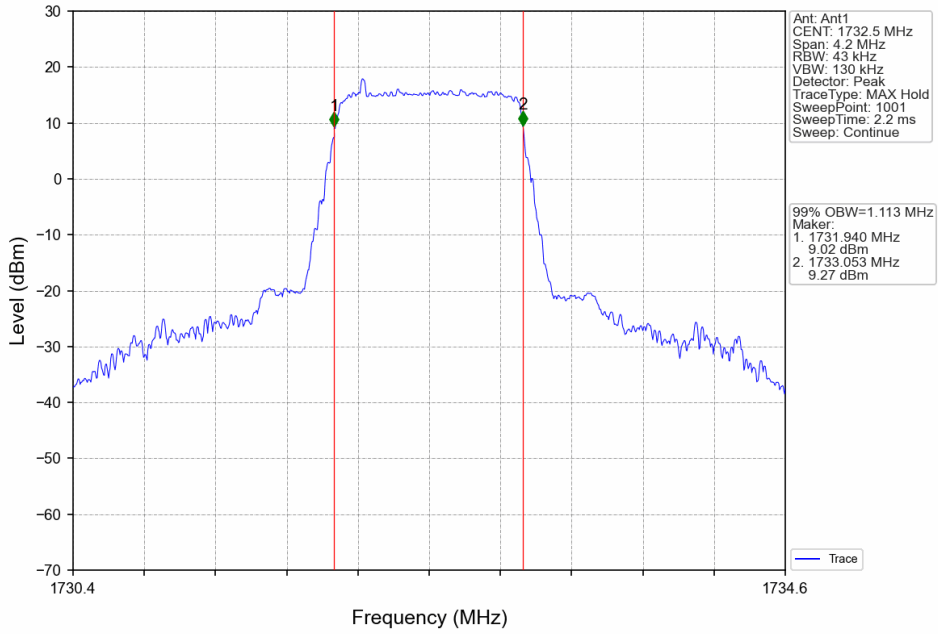
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



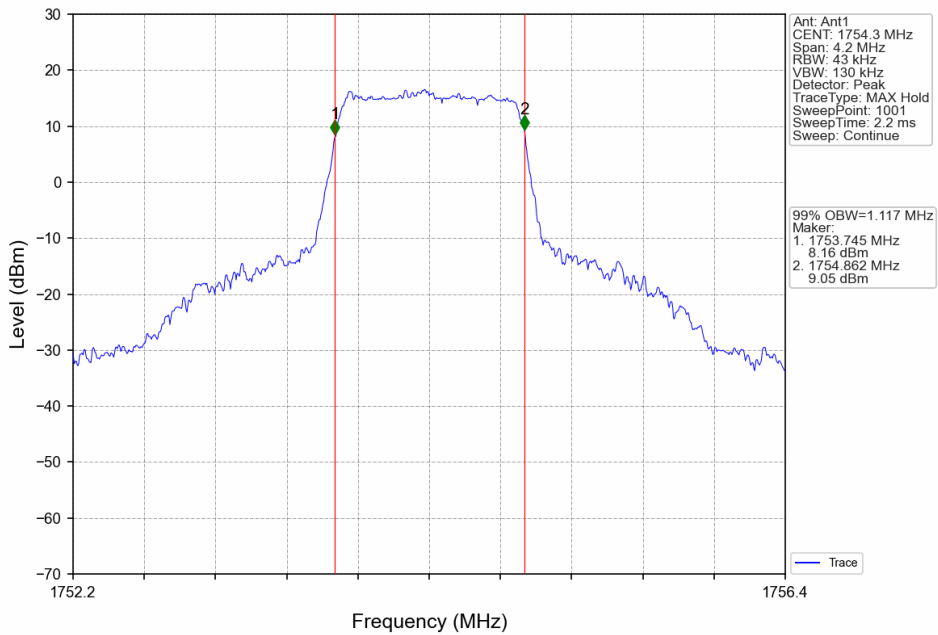
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



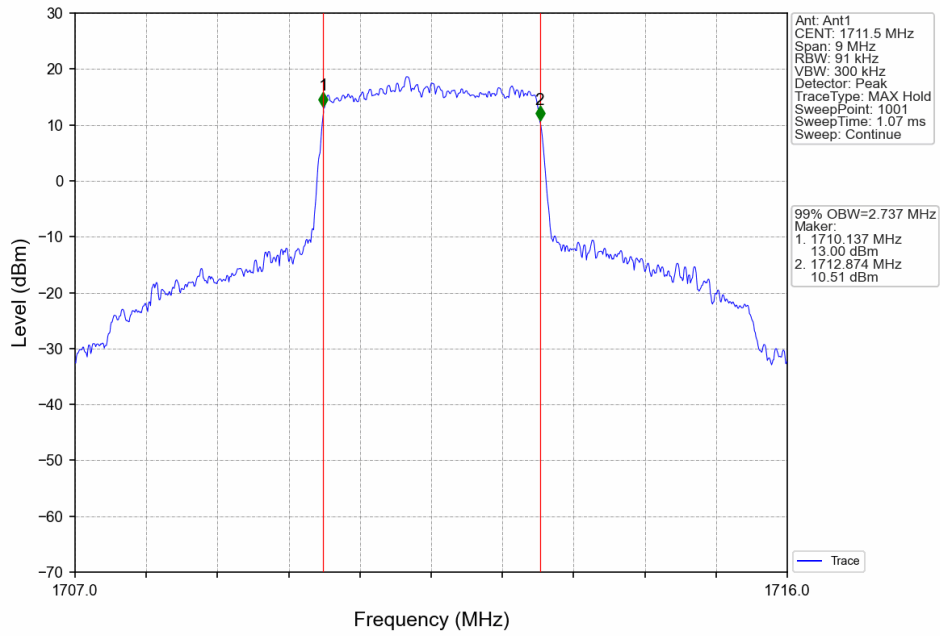
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



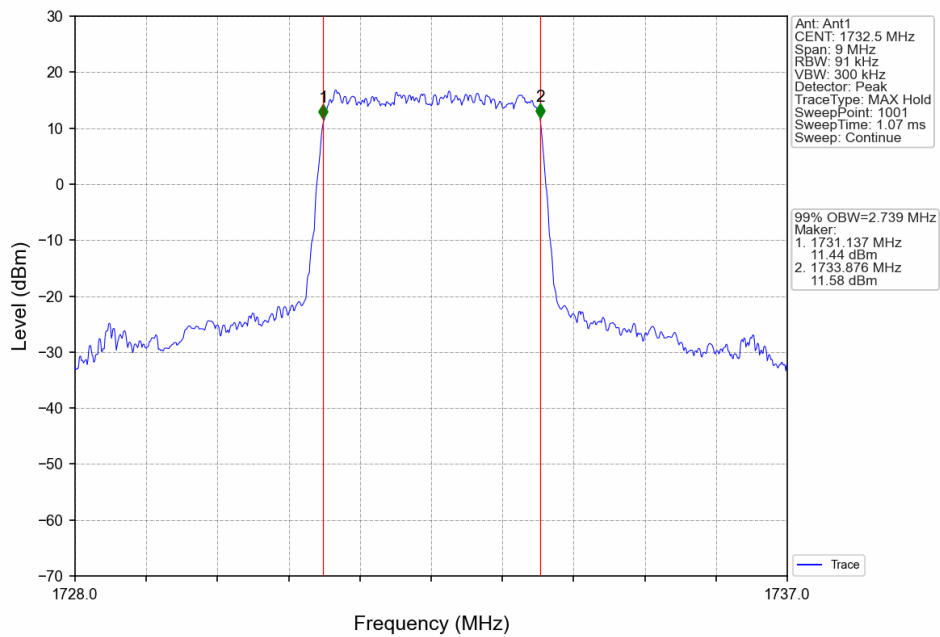
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



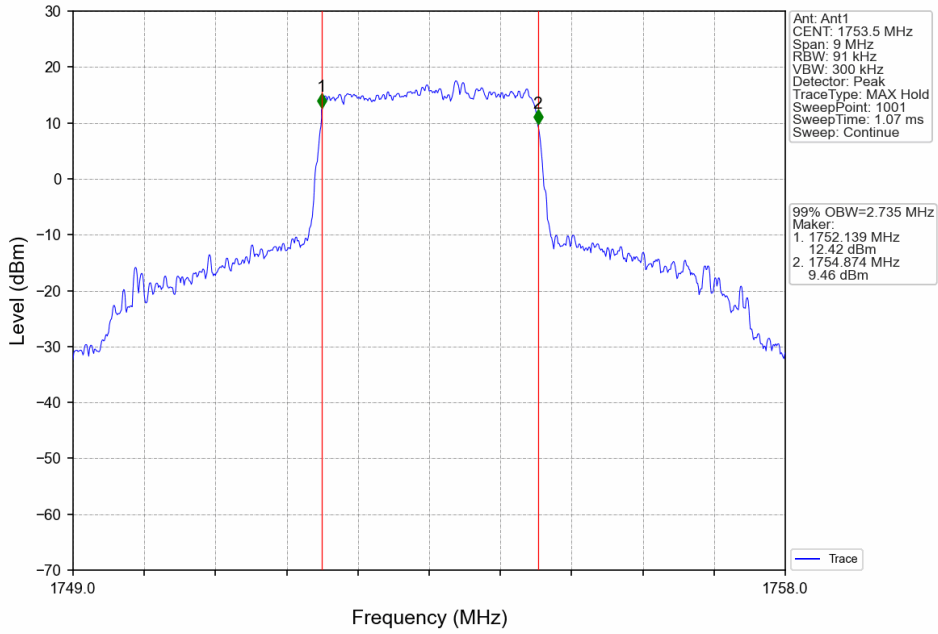
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



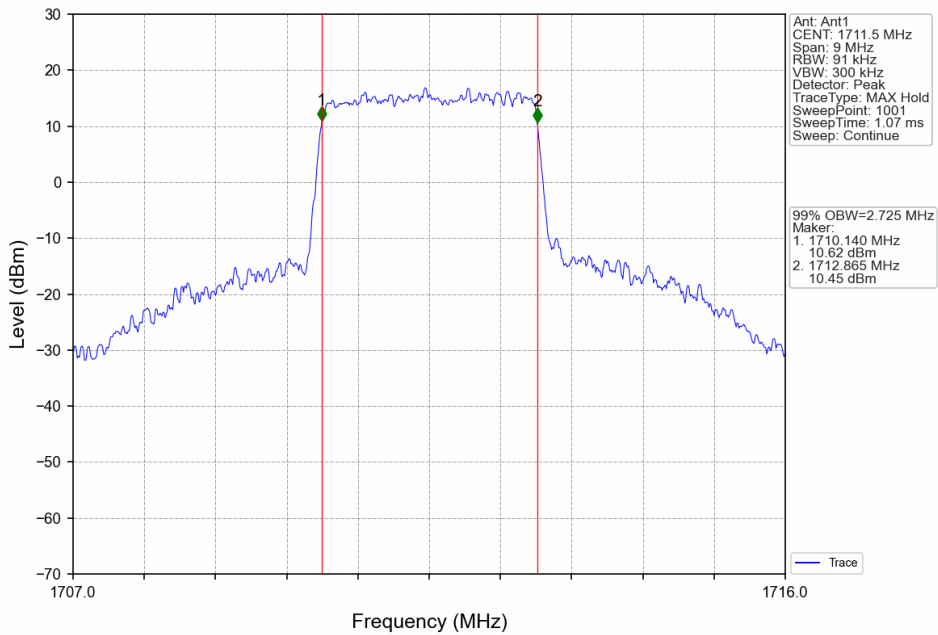
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

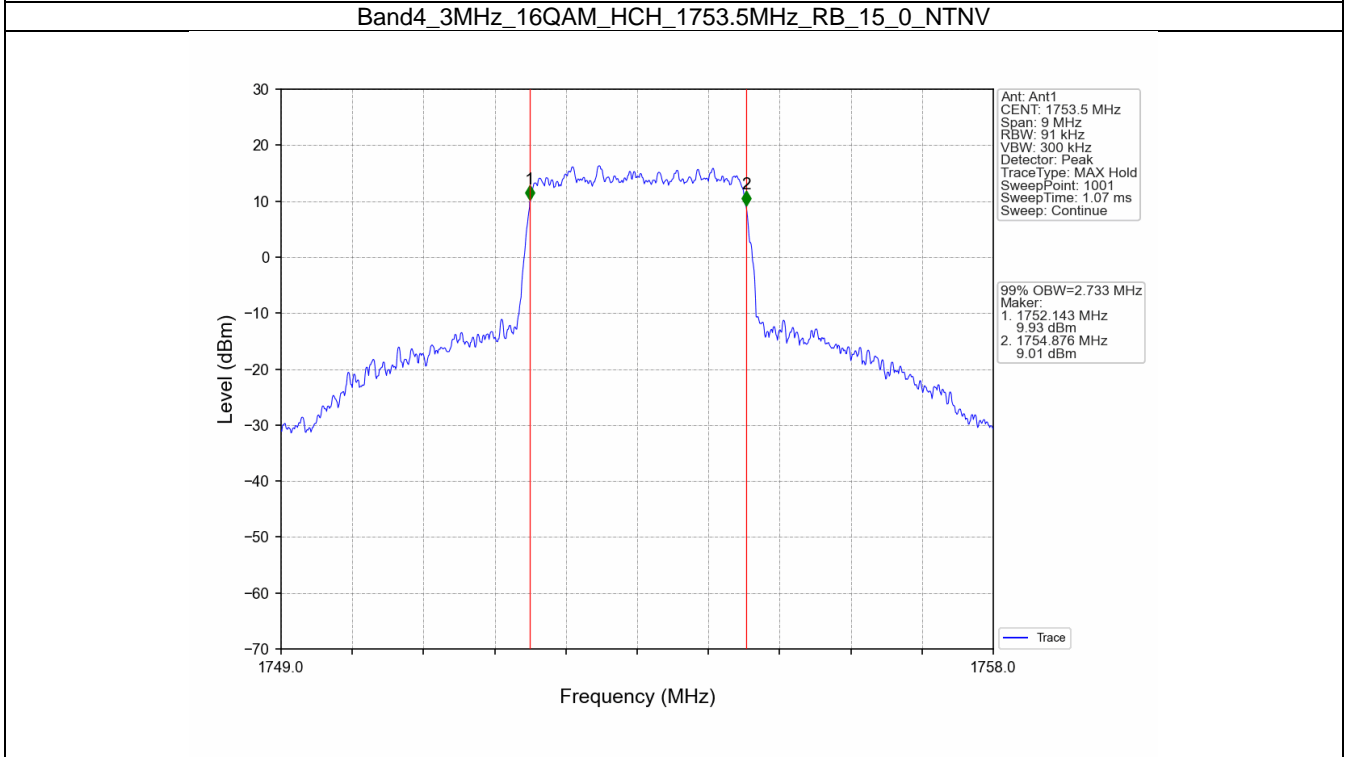
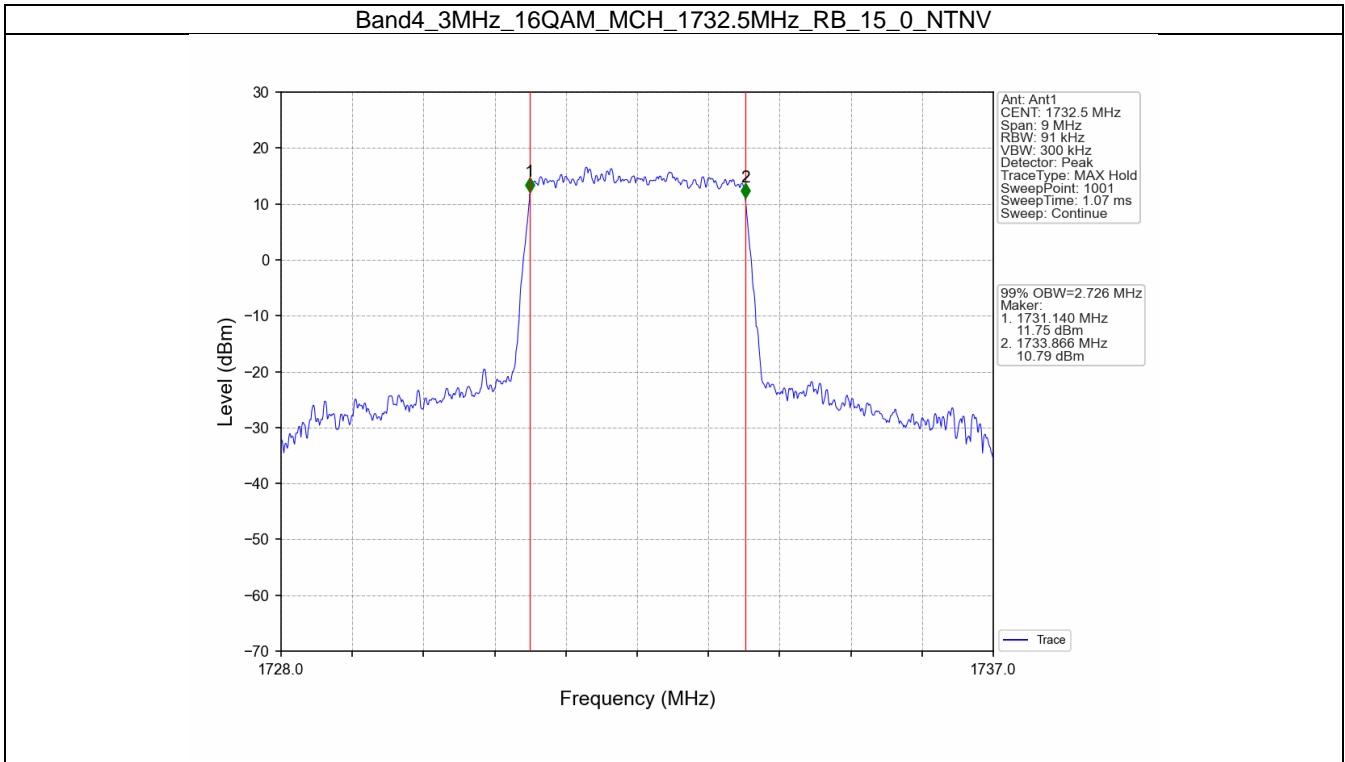


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

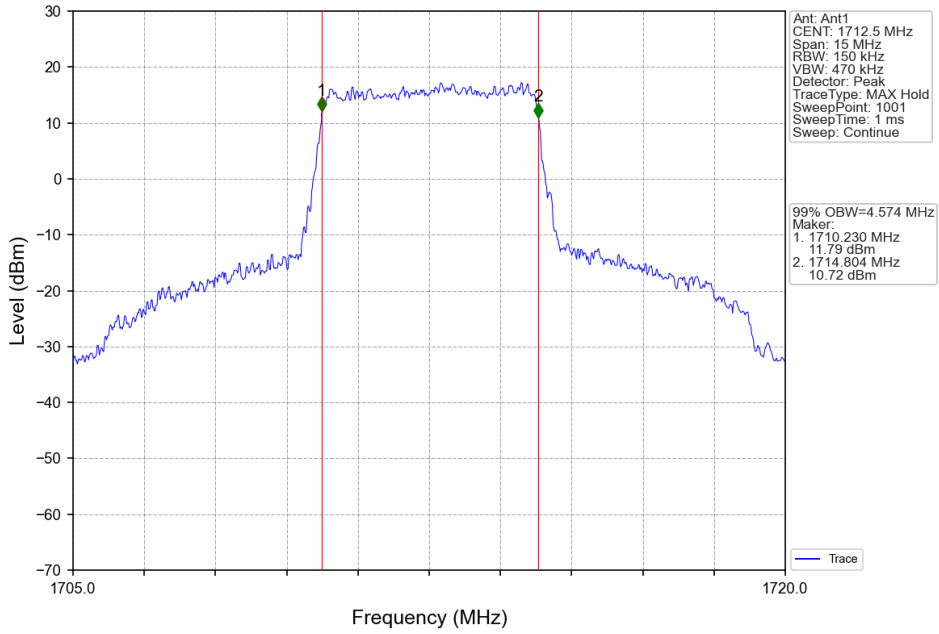


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

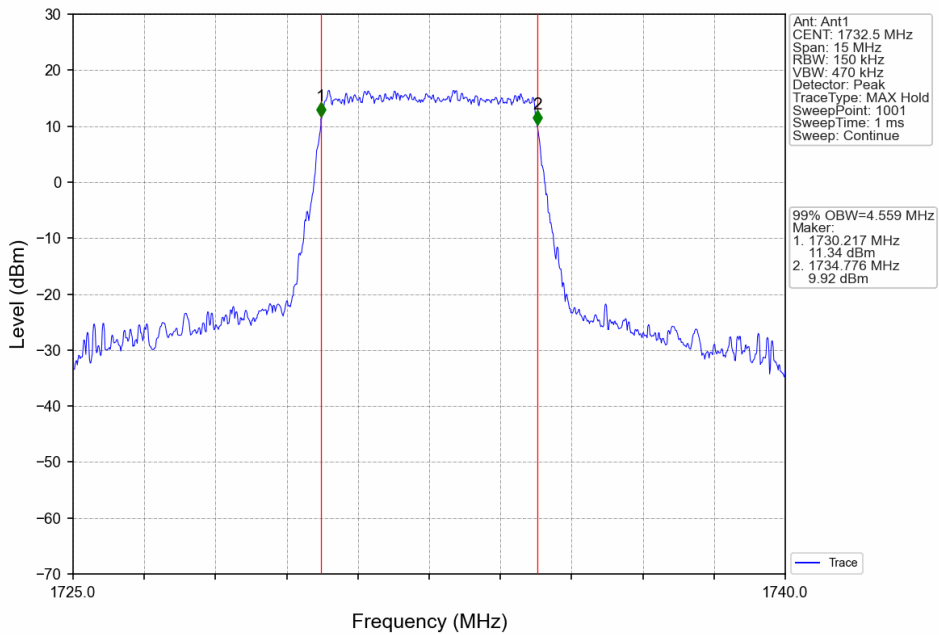




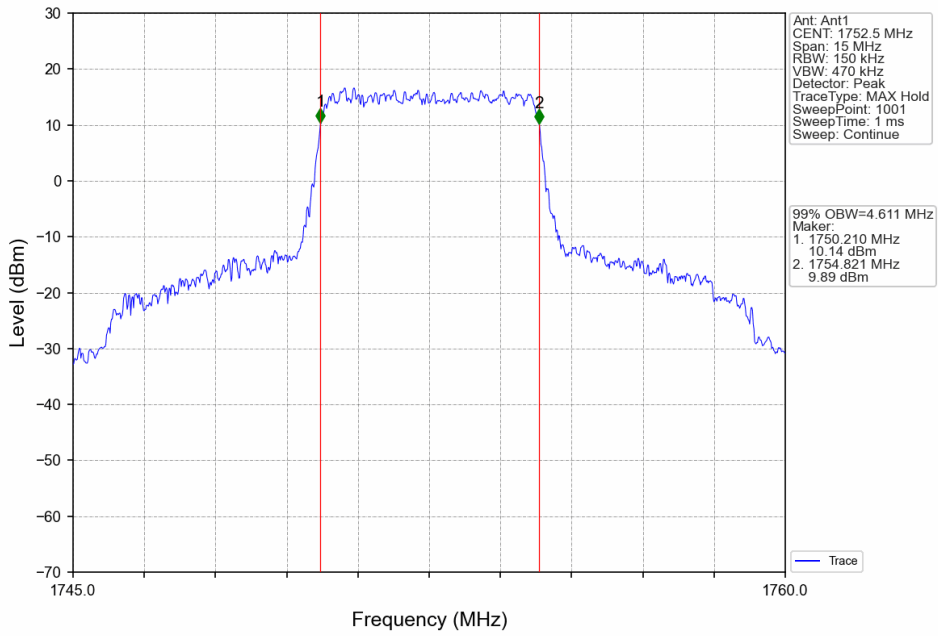
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



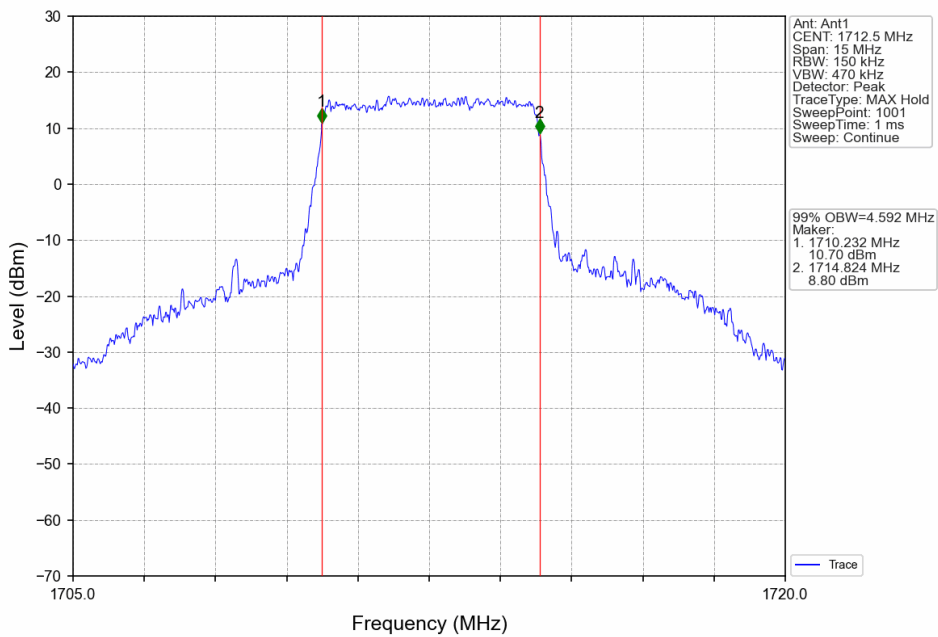
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

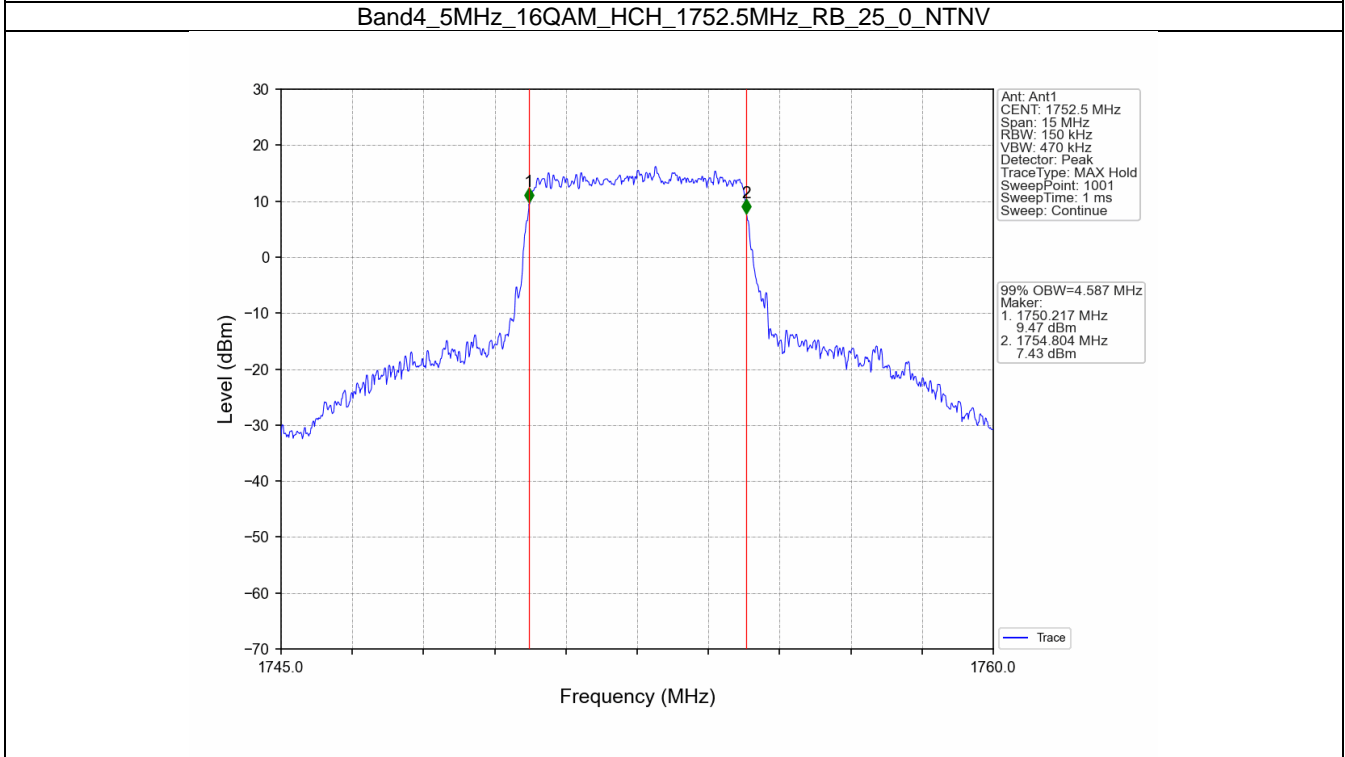
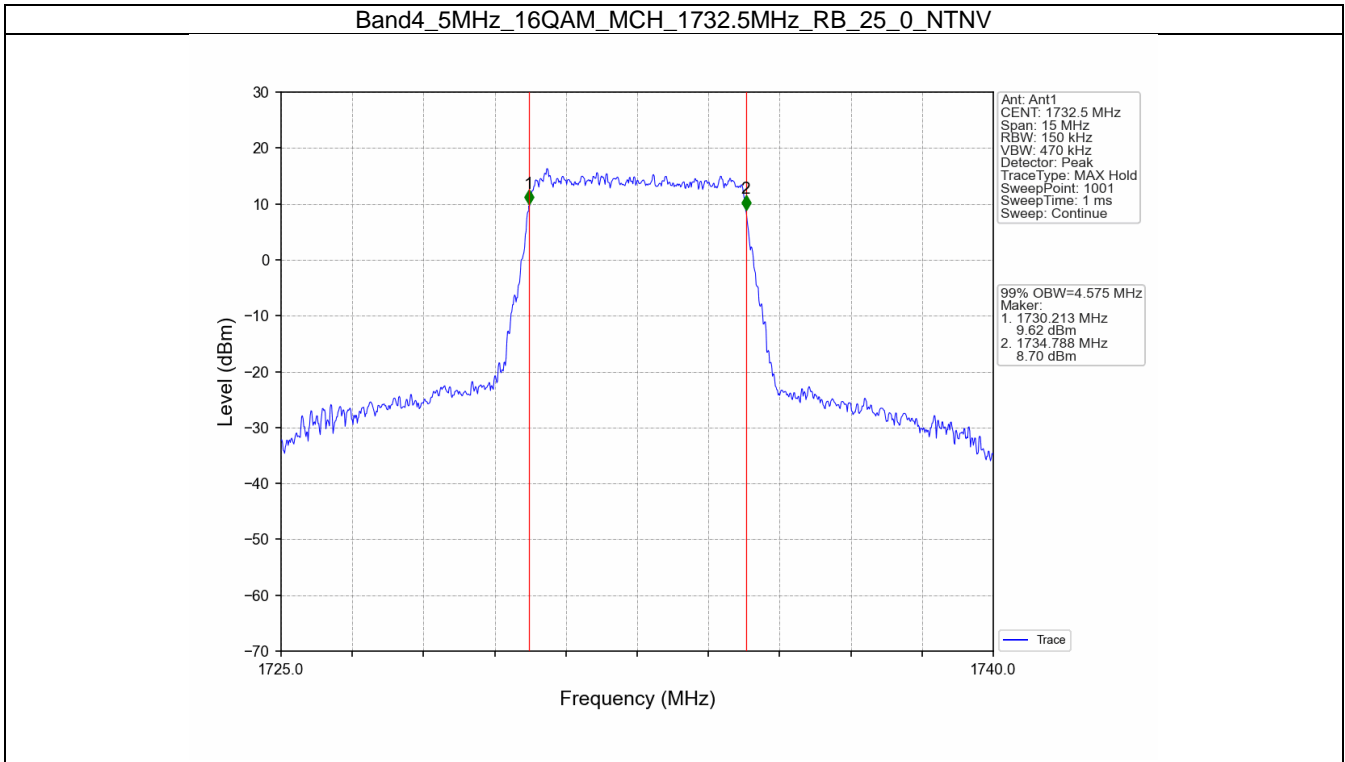


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

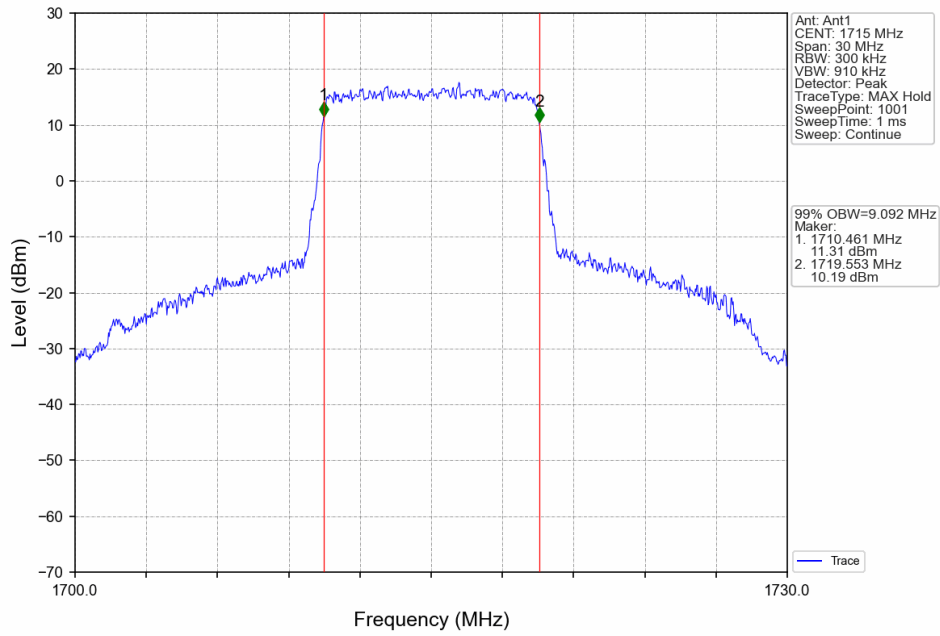


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

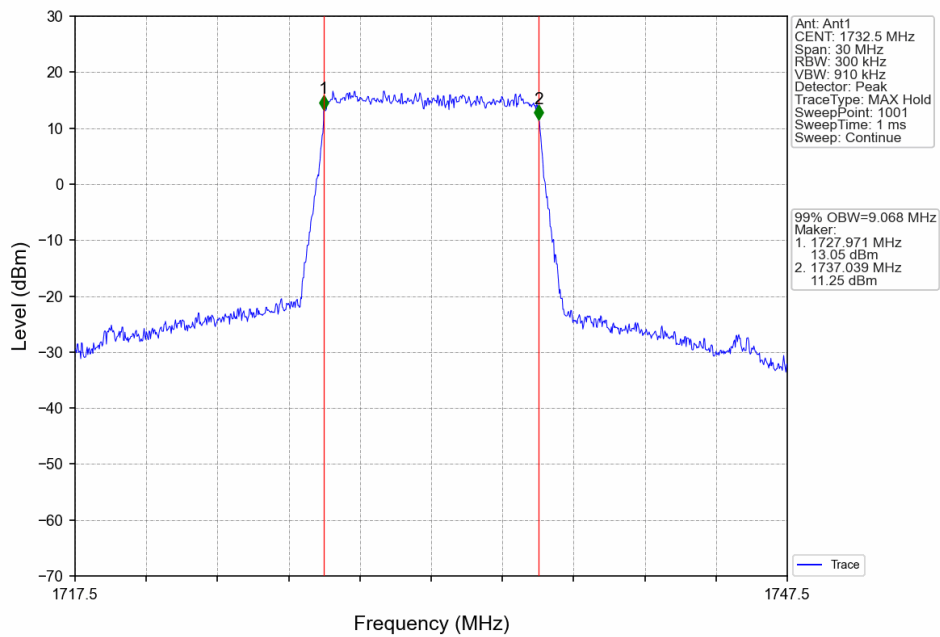




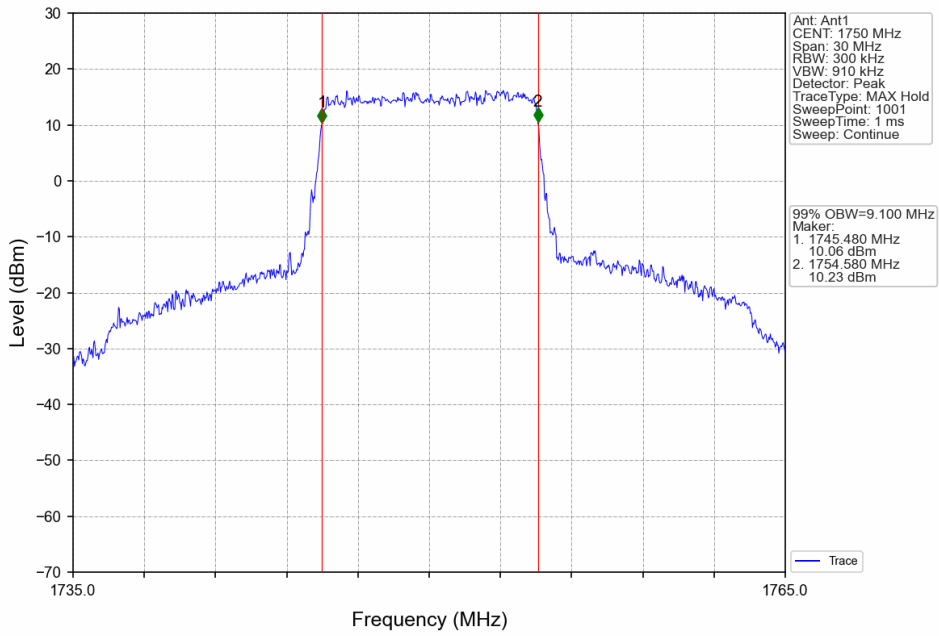
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



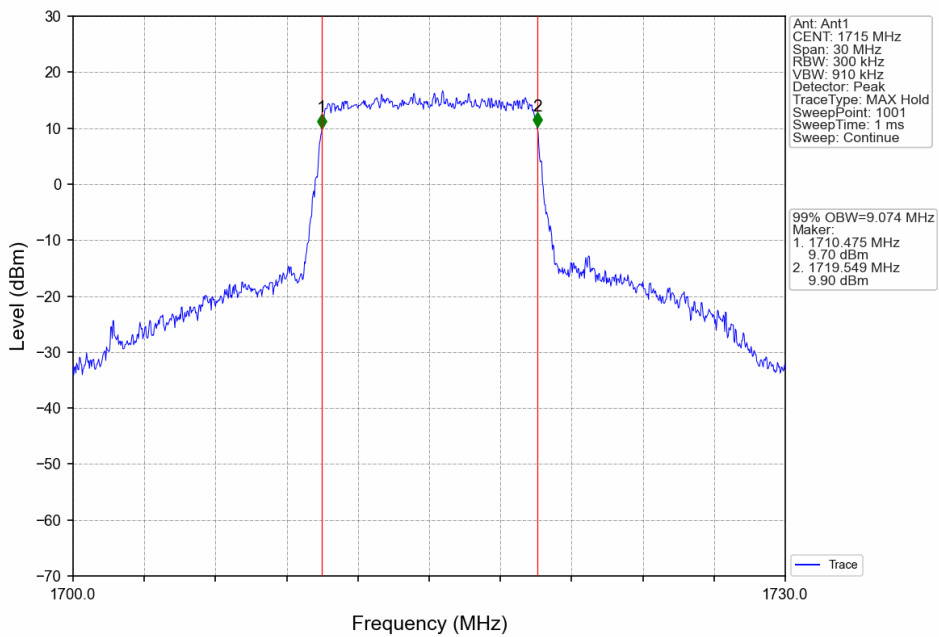
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



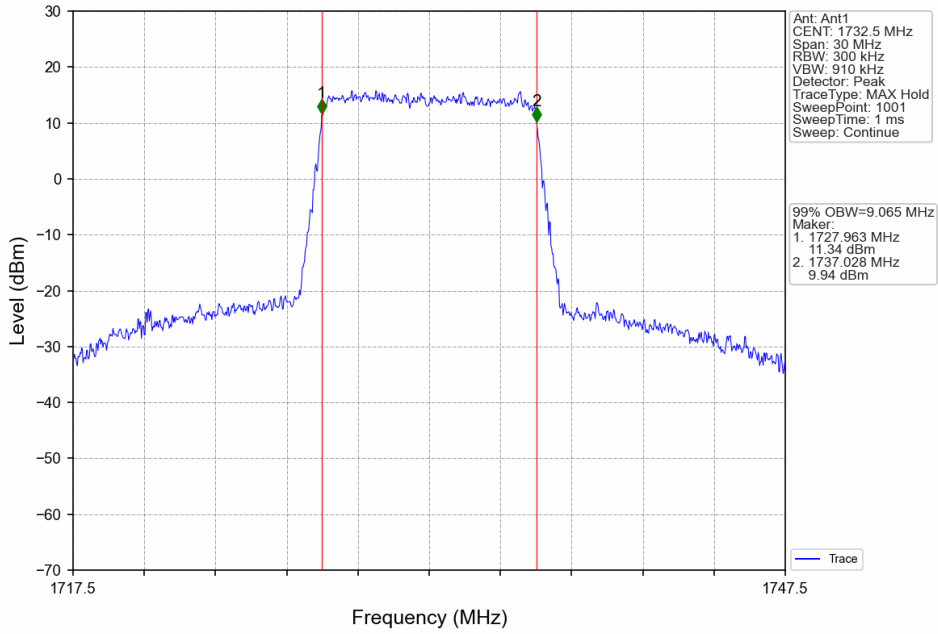
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



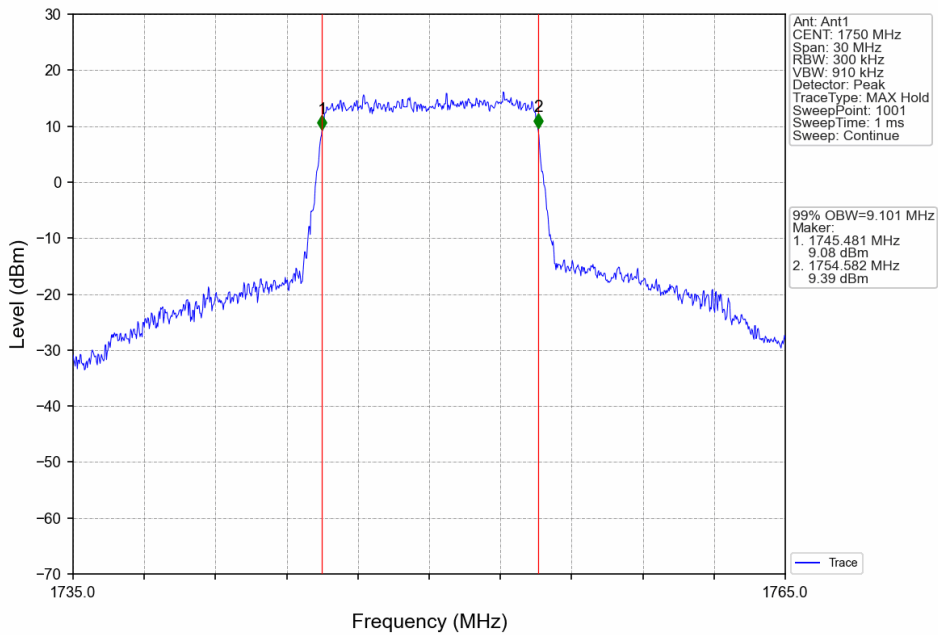
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



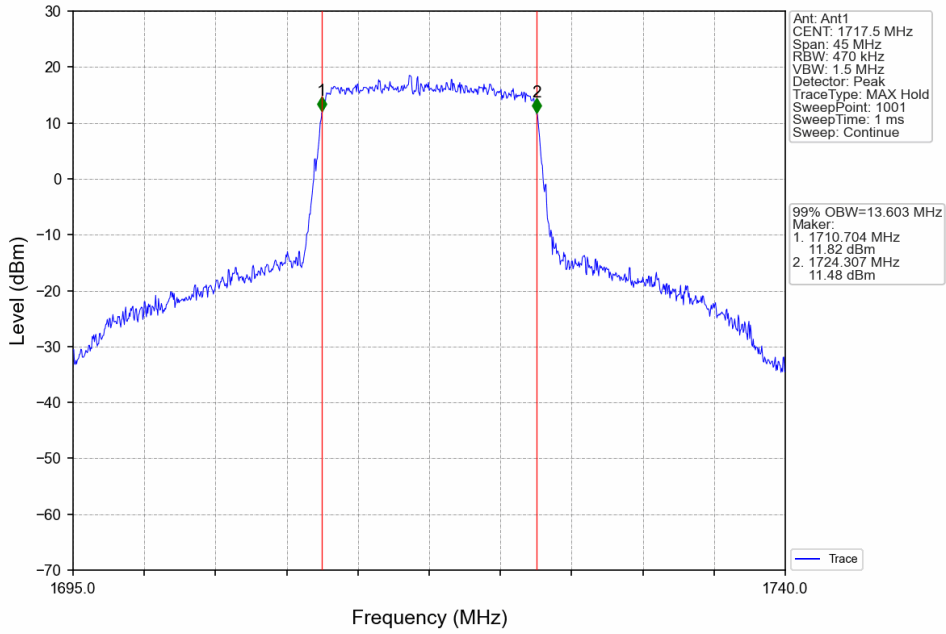
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



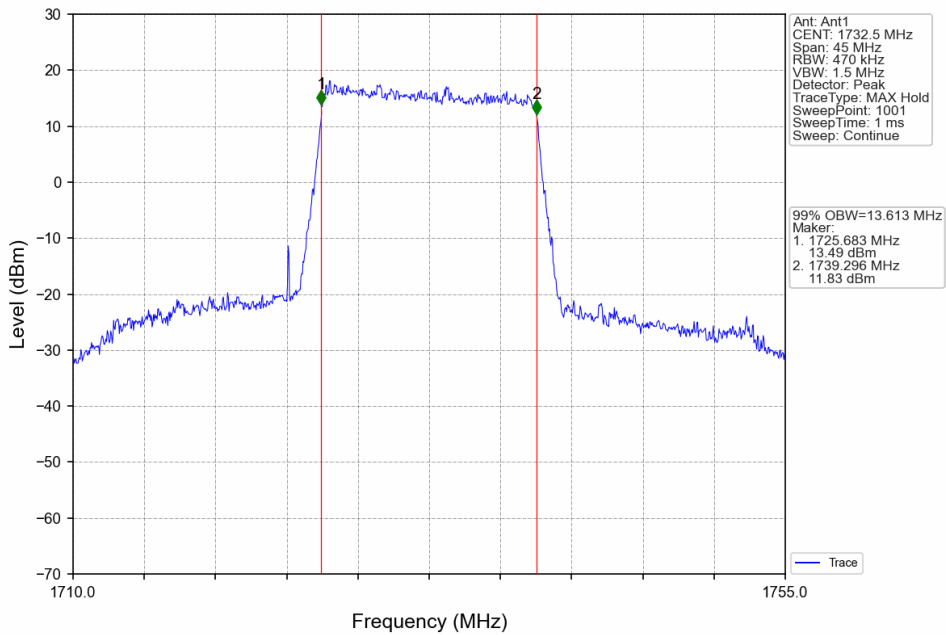
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



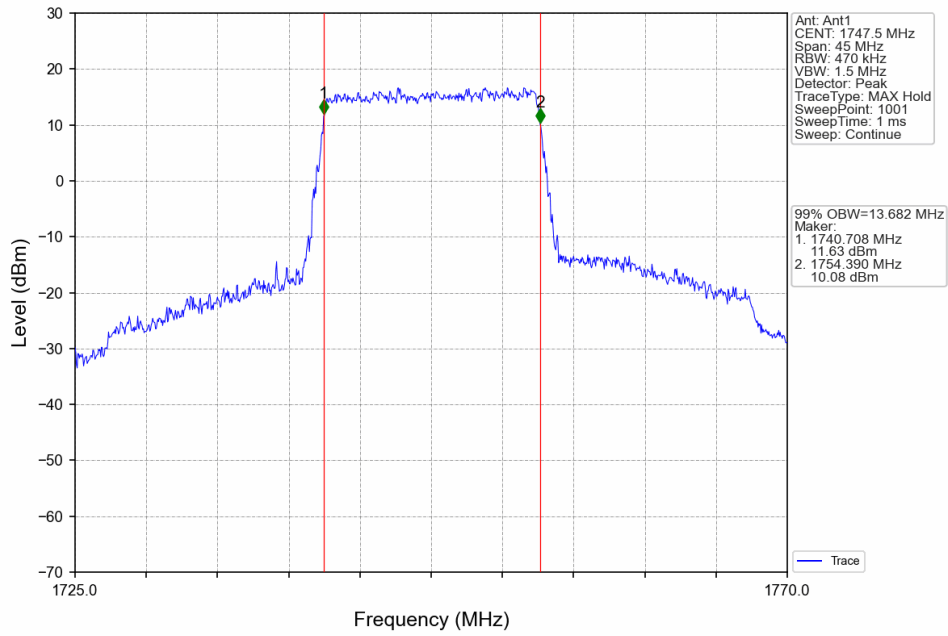
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



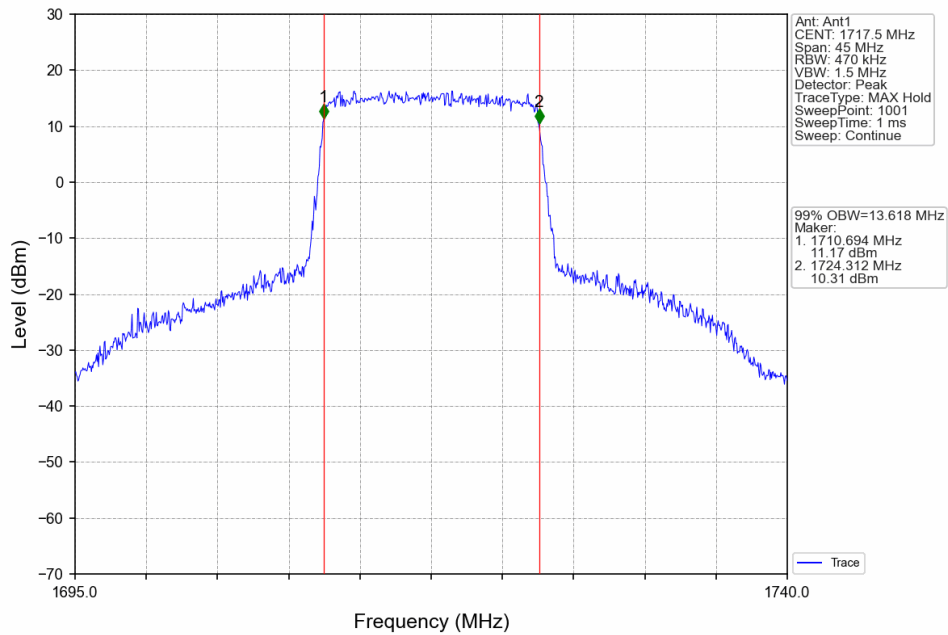
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



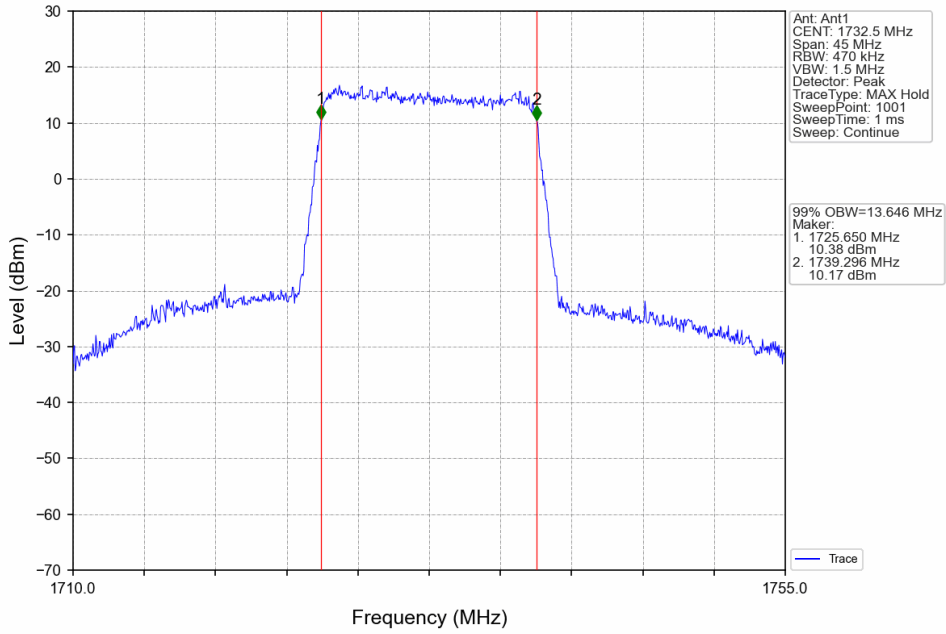
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



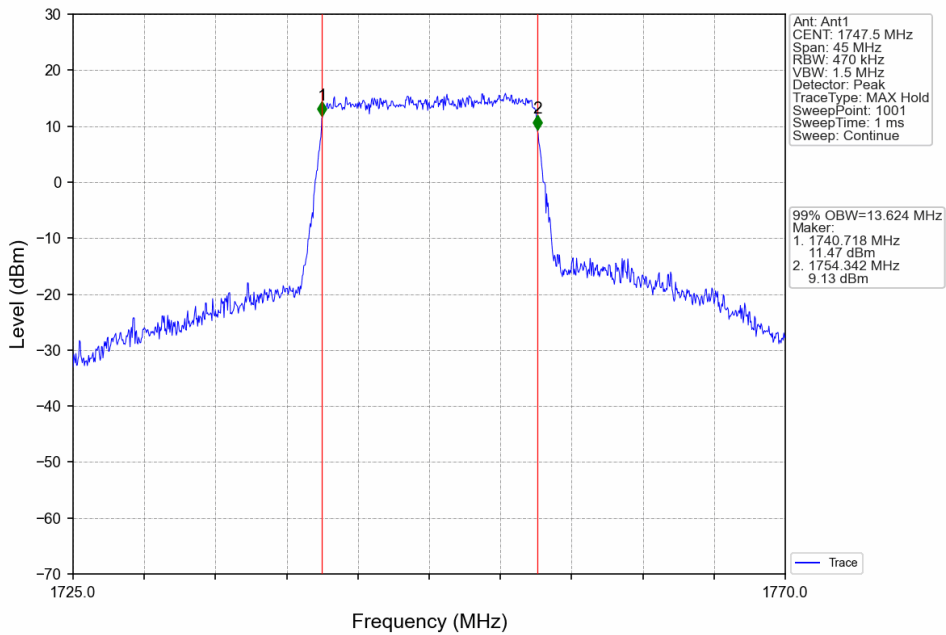
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



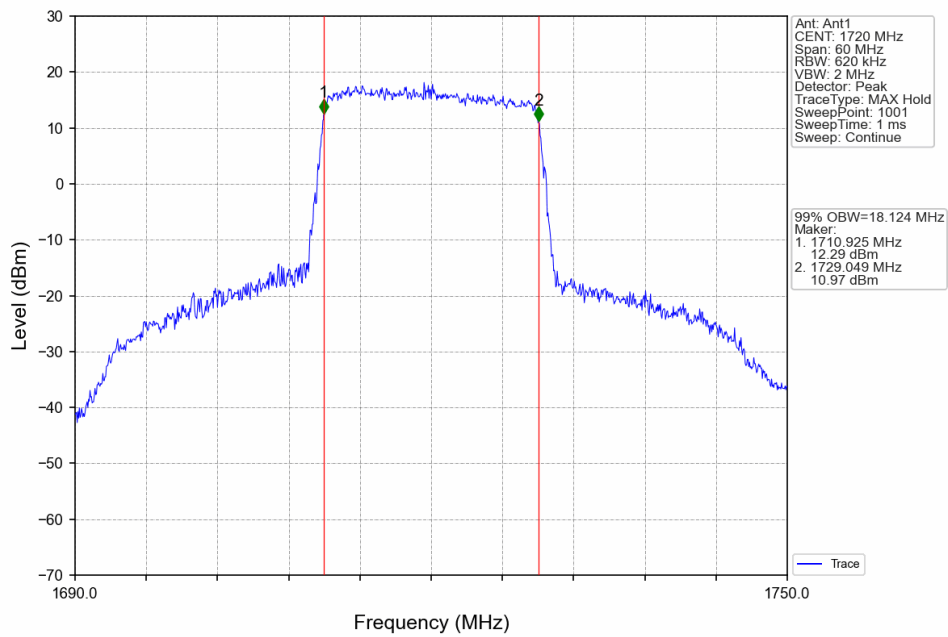
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



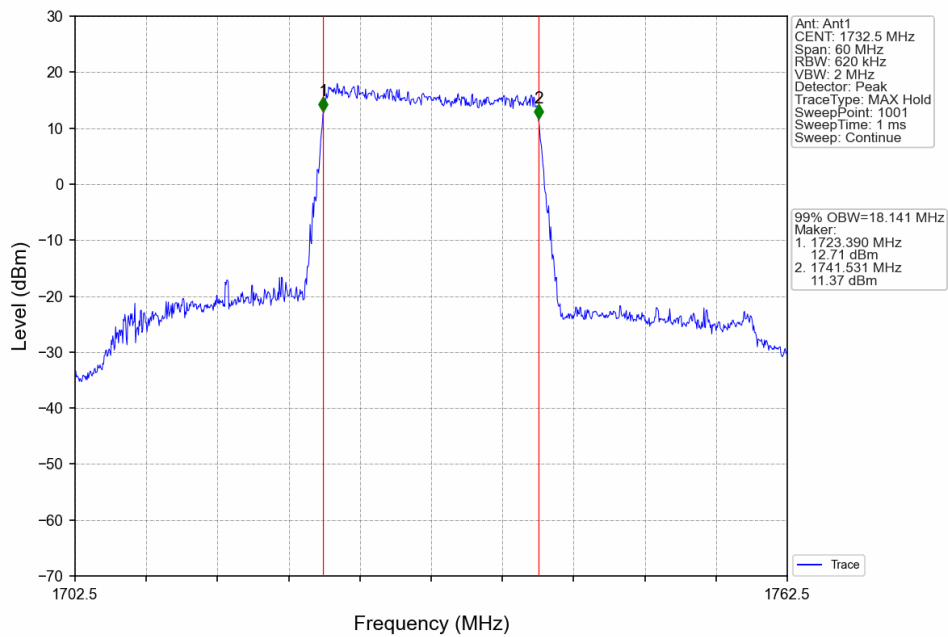
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



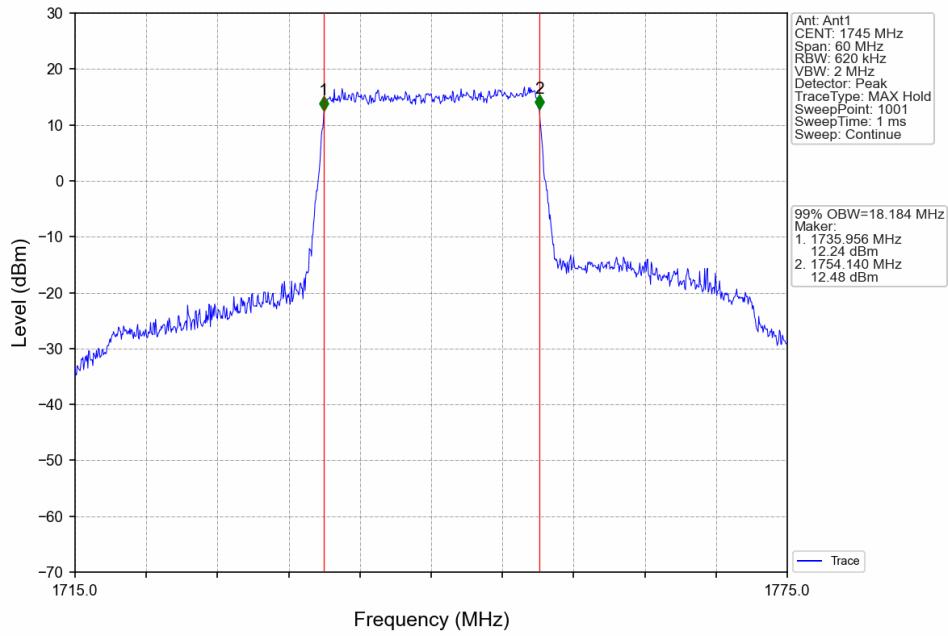
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



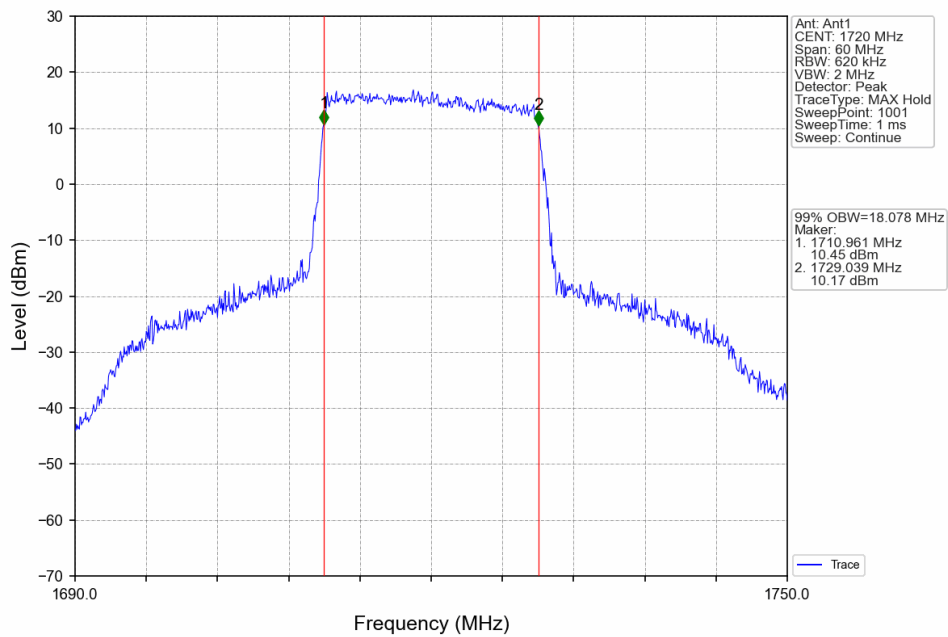
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



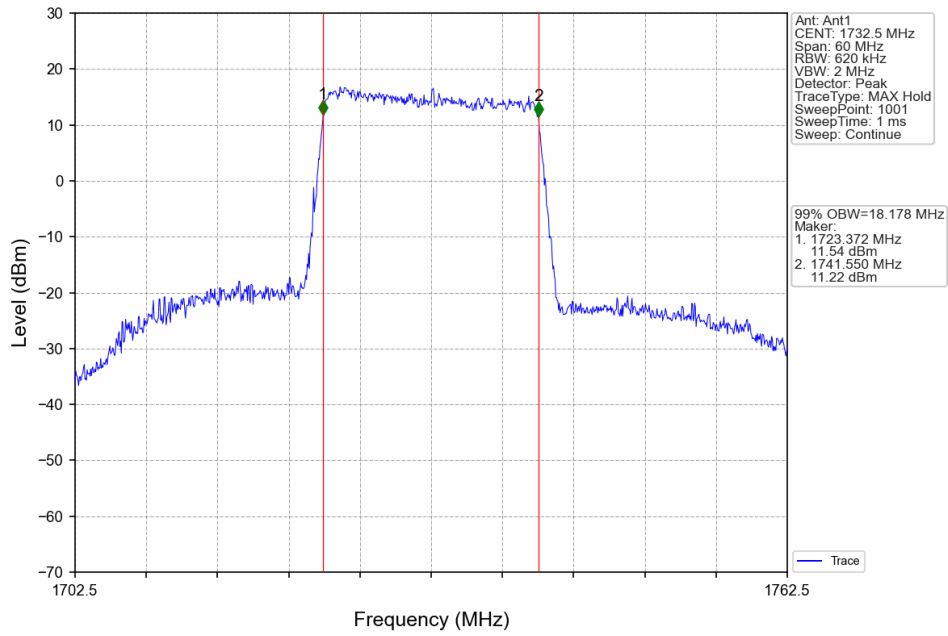
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



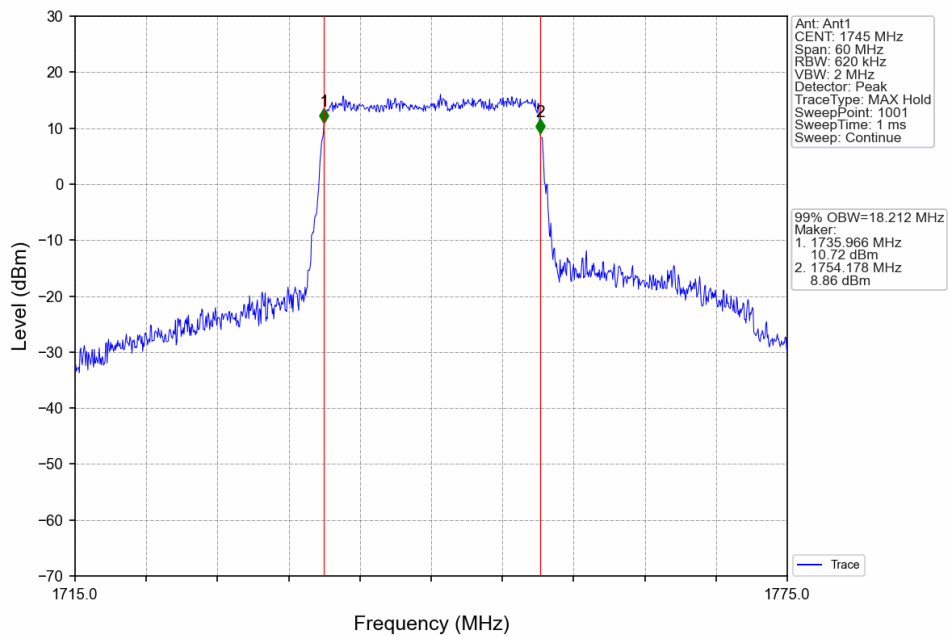
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

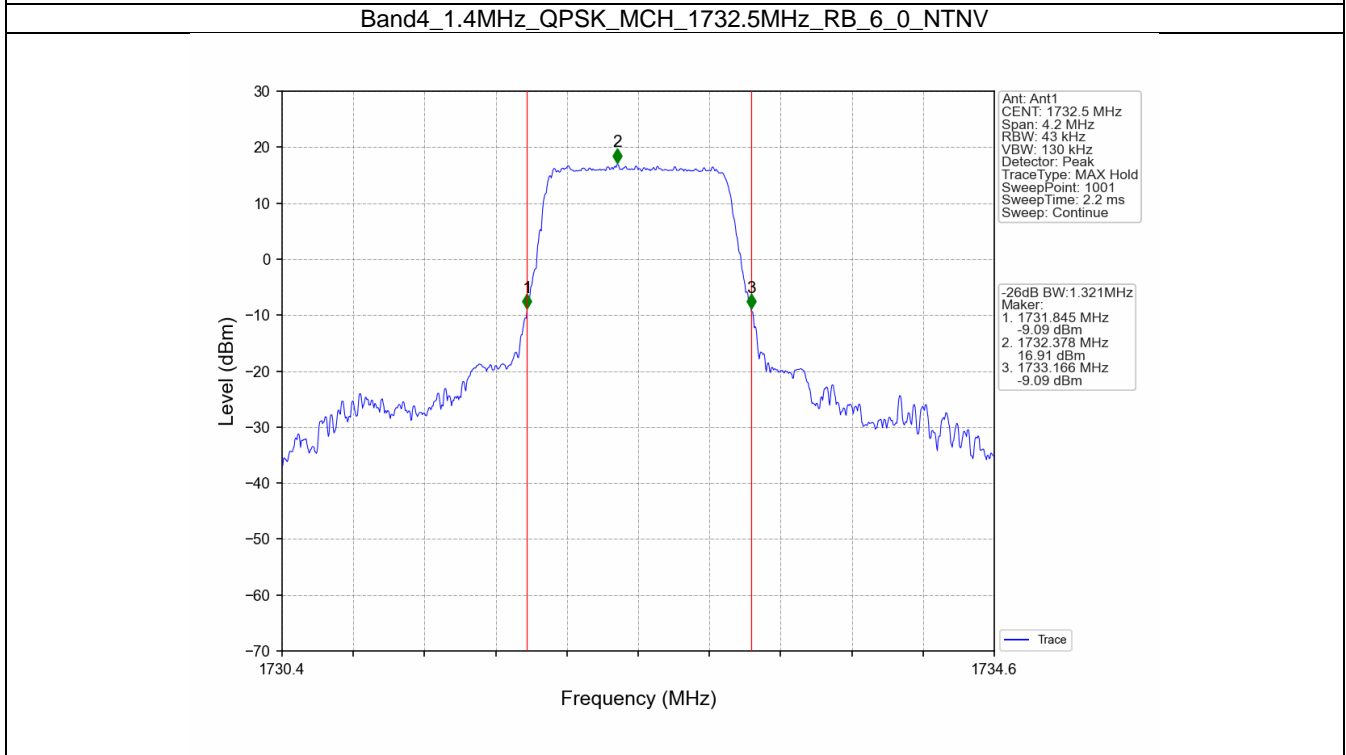
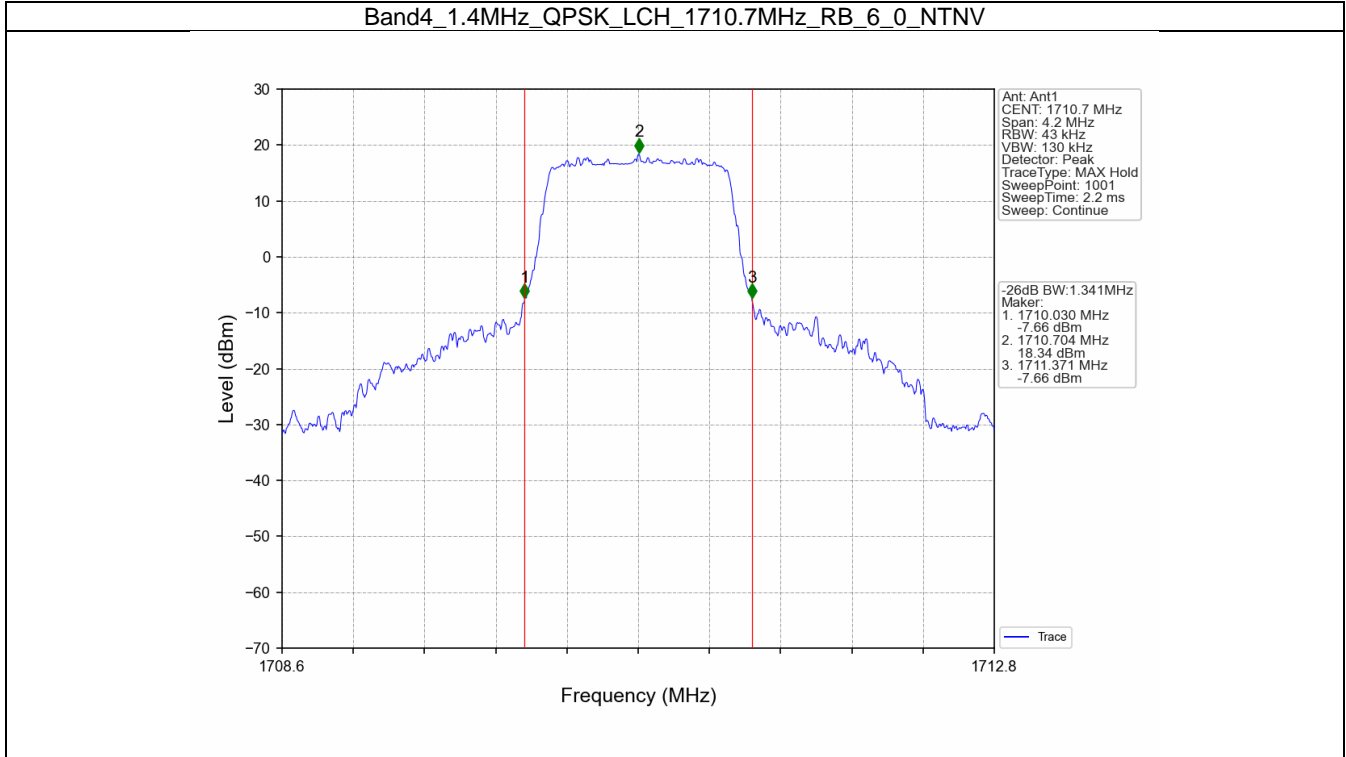


4.2 Band4_XDB

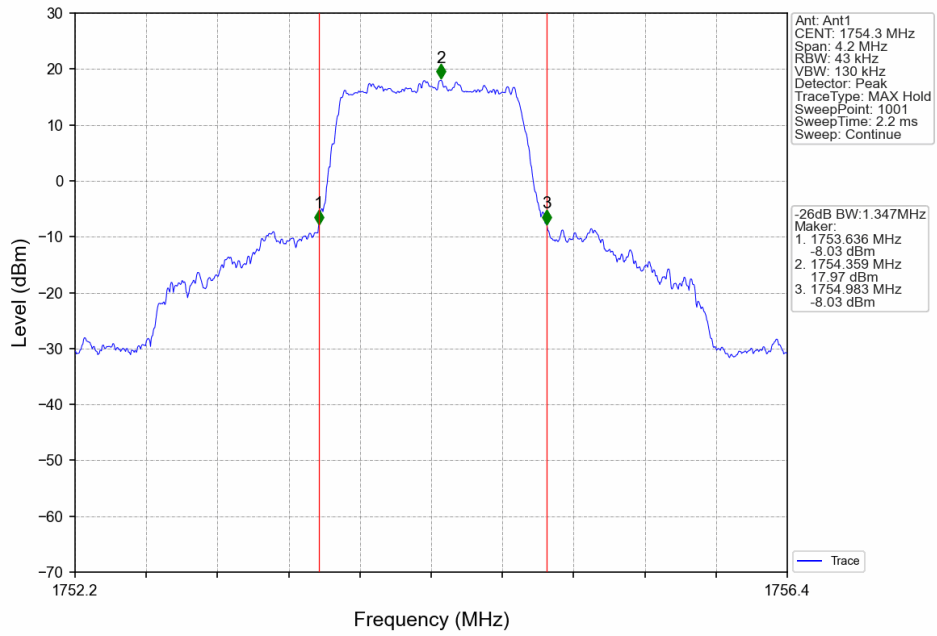
4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.341	Pass
		1732.5	6	0	1.321	Pass
		1754.3	6	0	1.347	Pass
	16QAM	1710.7	6	0	1.307	Pass
		1732.5	6	0	1.301	Pass
		1754.3	6	0	1.323	Pass
3	QPSK	1711.5	15	0	2.980	Pass
		1732.5	15	0	2.988	Pass
		1753.5	15	0	3.017	Pass
	16QAM	1711.5	15	0	2.993	Pass
		1732.5	15	0	2.985	Pass
		1753.5	15	0	2.992	Pass
5	QPSK	1712.5	25	0	5.267	Pass
		1732.5	25	0	5.254	Pass
		1752.5	25	0	5.356	Pass
	16QAM	1712.5	25	0	5.356	Pass
		1732.5	25	0	5.298	Pass
		1752.5	25	0	5.332	Pass
10	QPSK	1715	50	0	10.309	Pass
		1732.5	50	0	10.226	Pass
		1750	50	0	10.570	Pass
	16QAM	1715	50	0	10.223	Pass
		1732.5	50	0	10.261	Pass
		1750	50	0	10.220	Pass
15	QPSK	1717.5	75	0	15.108	Pass
		1732.5	75	0	15.186	Pass
		1747.5	75	0	15.282	Pass
	16QAM	1717.5	75	0	15.320	Pass
		1732.5	75	0	15.199	Pass
		1747.5	75	0	15.339	Pass
20	QPSK	1720	100	0	20.018	Pass
		1732.5	100	0	20.305	Pass
		1745	100	0	20.110	Pass
	16QAM	1720	100	0	20.104	Pass
		1732.5	100	0	19.960	Pass
		1745	100	0	20.236	Pass

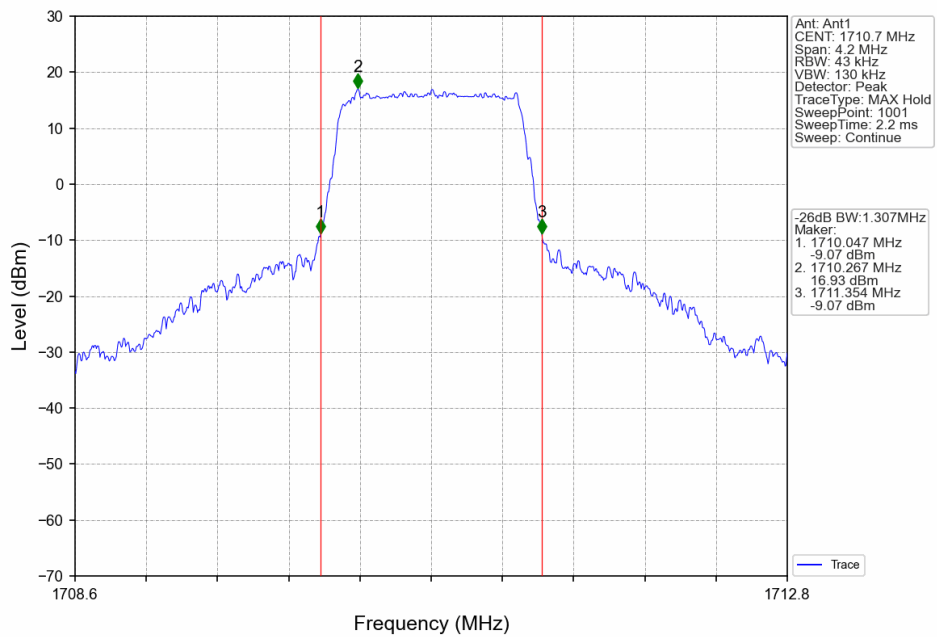
4.2.2 Test Graph



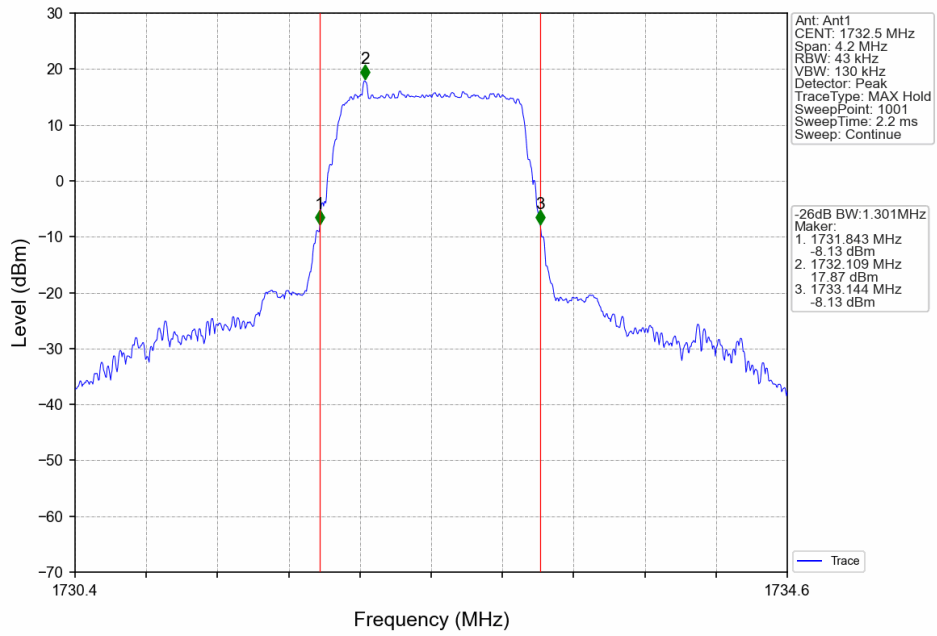
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



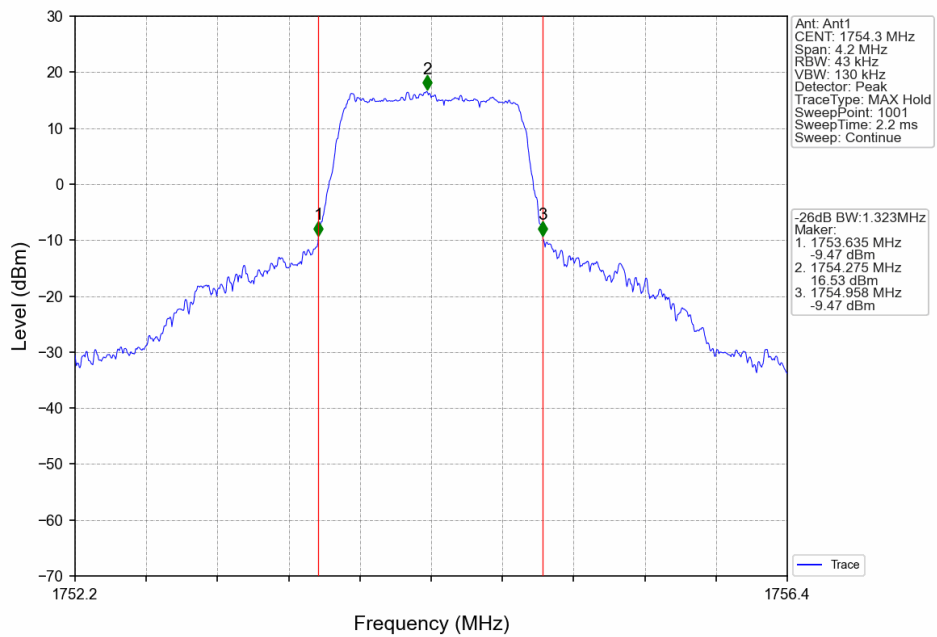
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



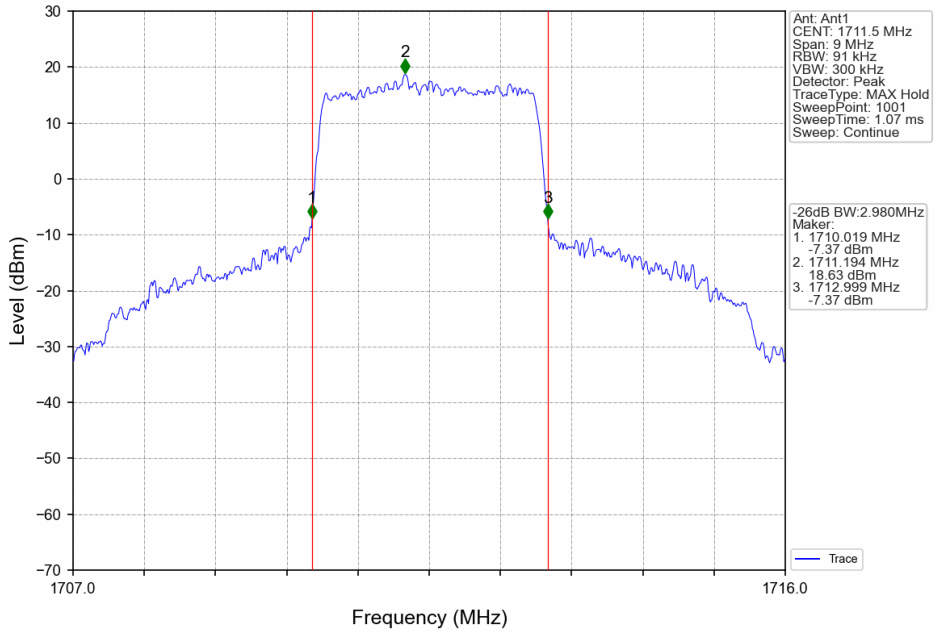
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



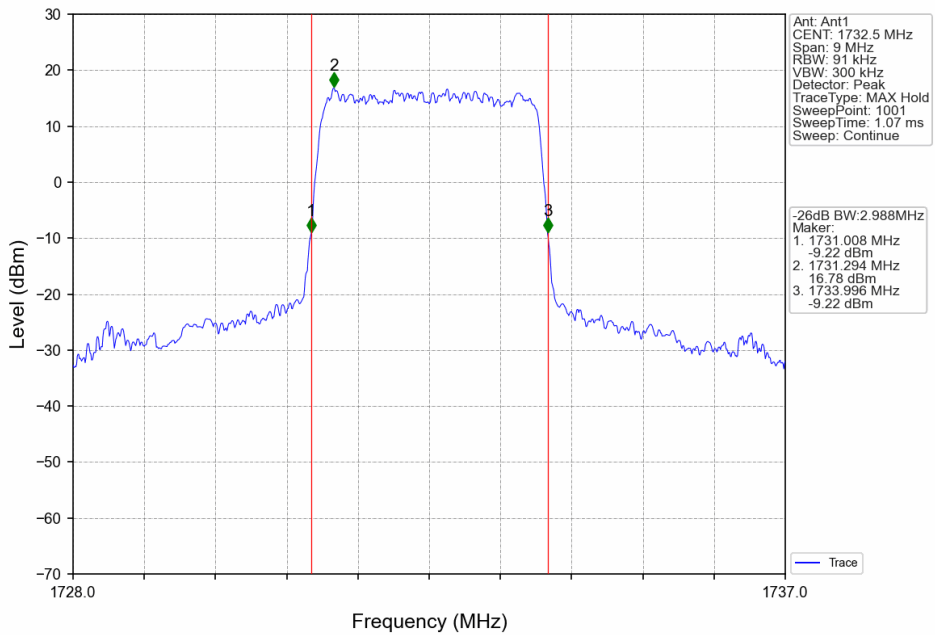
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



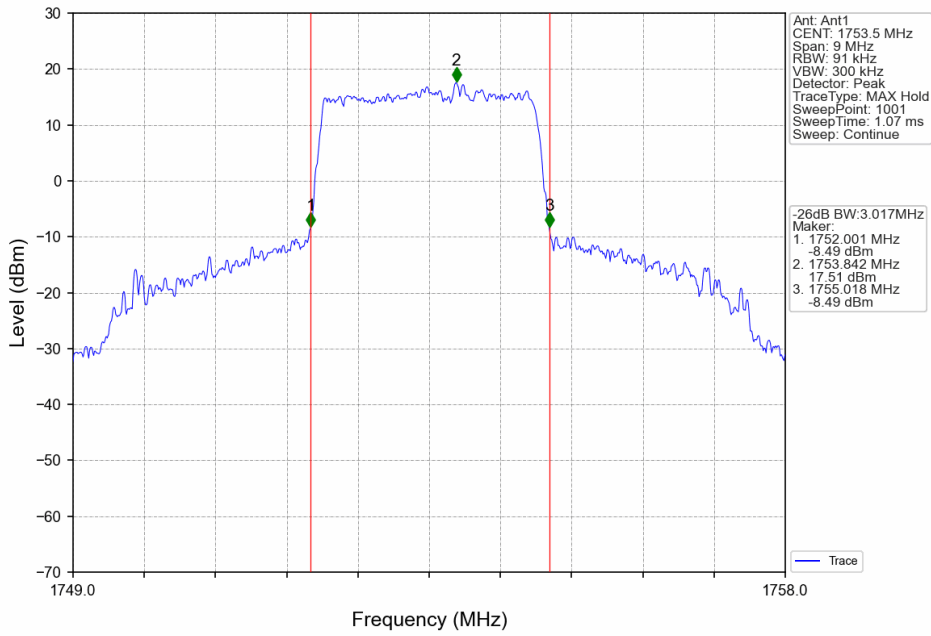
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



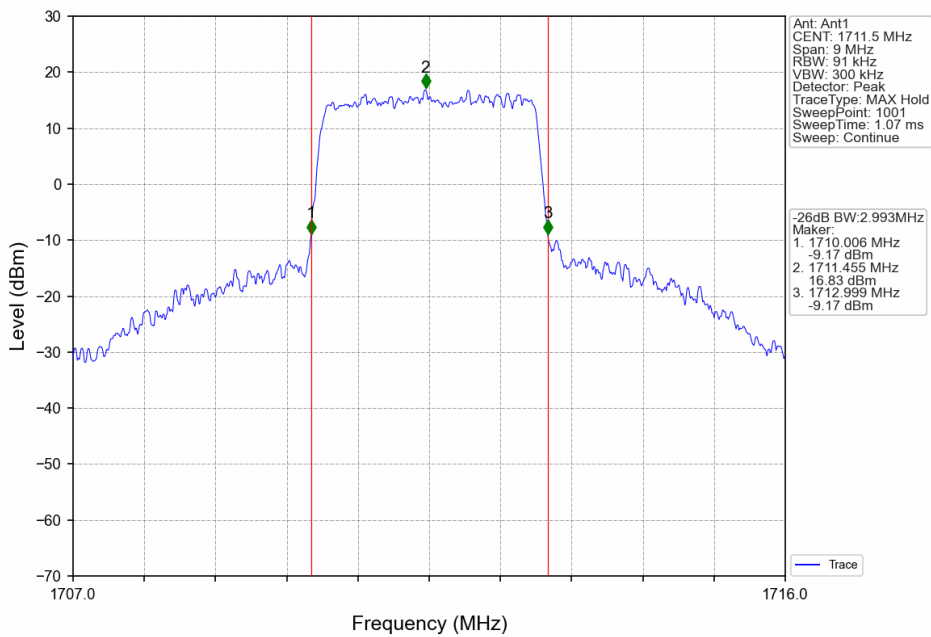
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

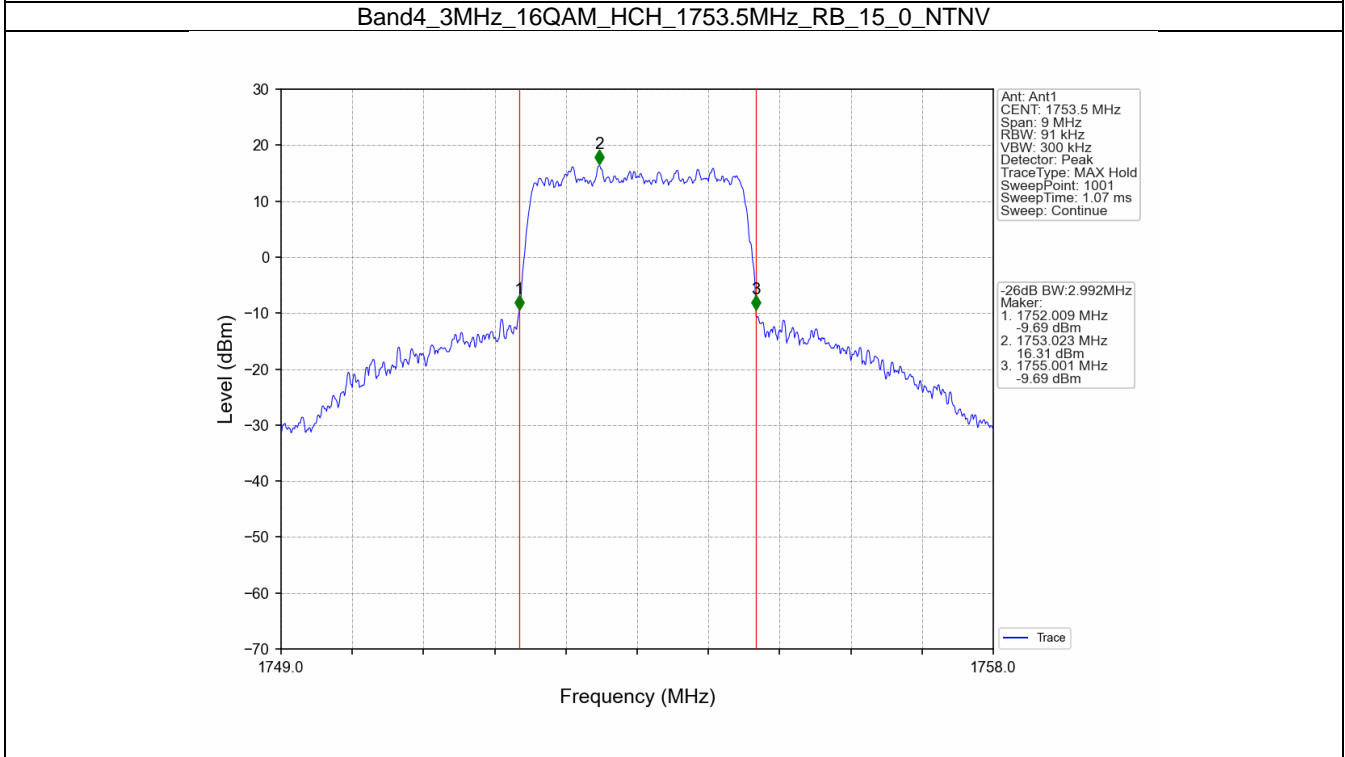
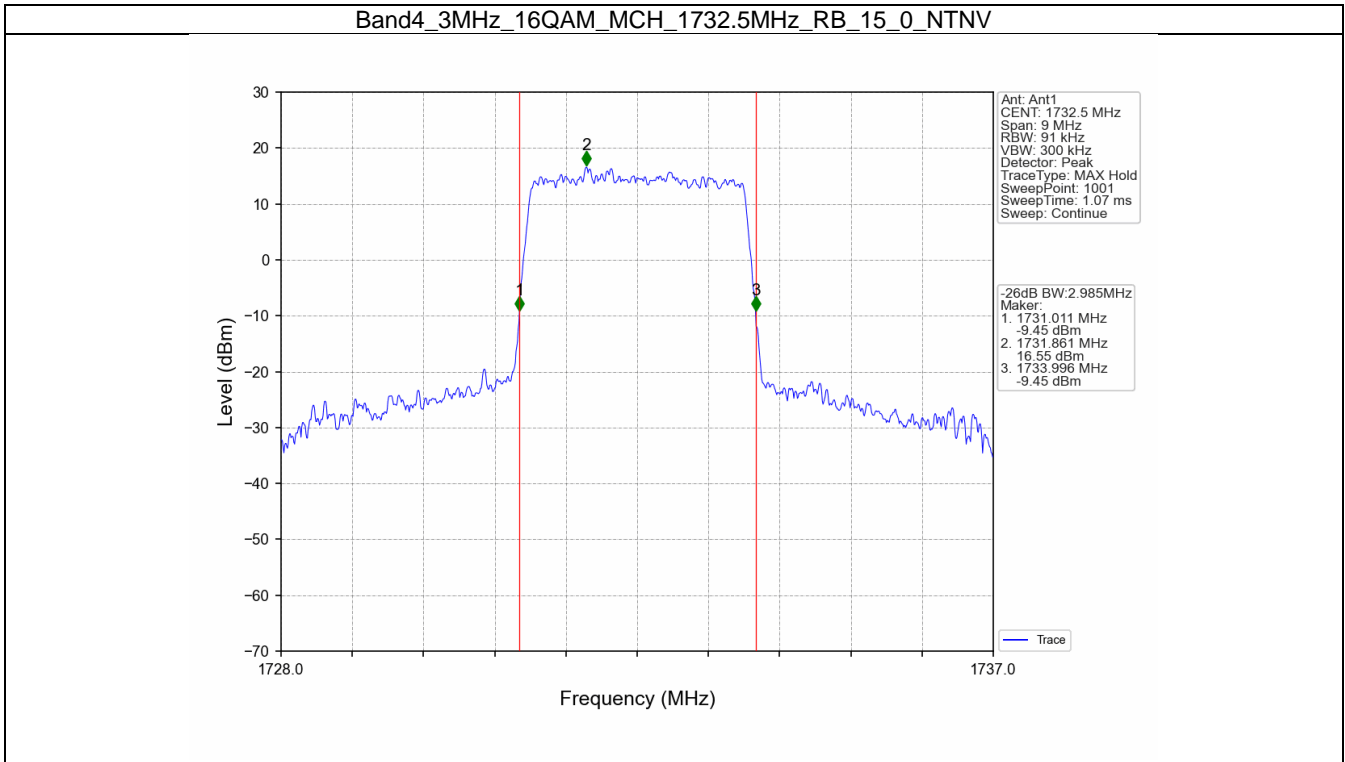


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

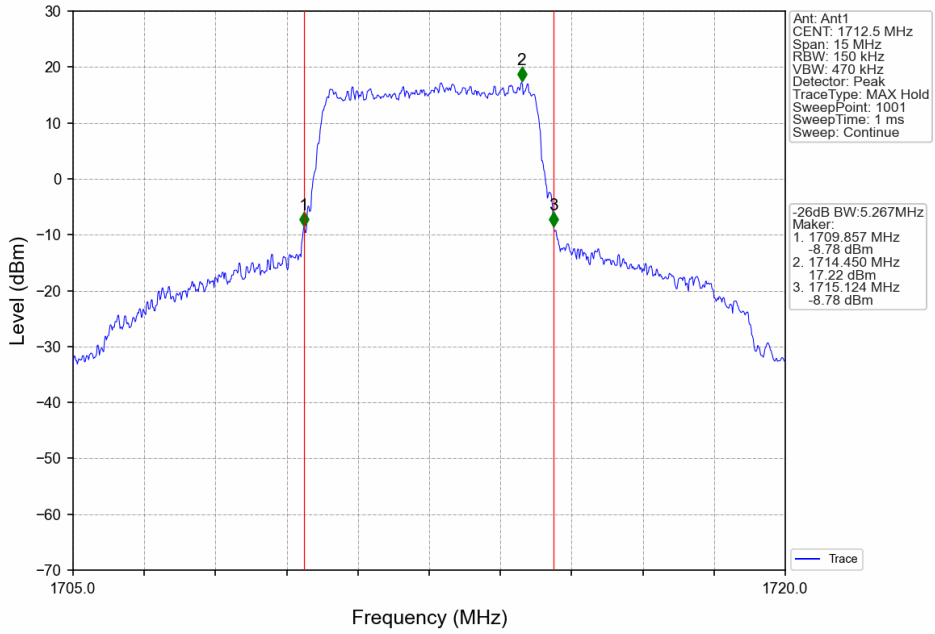


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

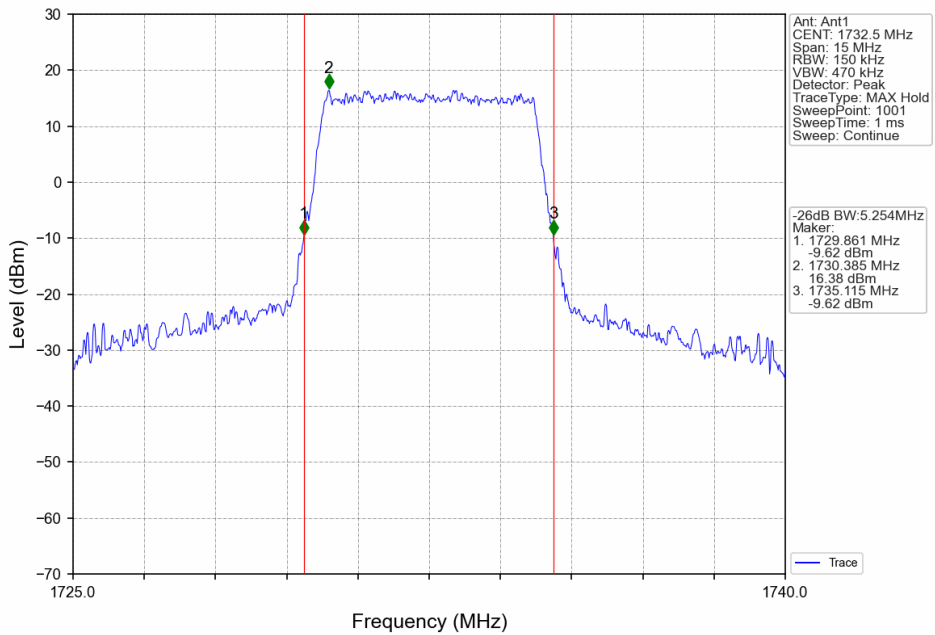




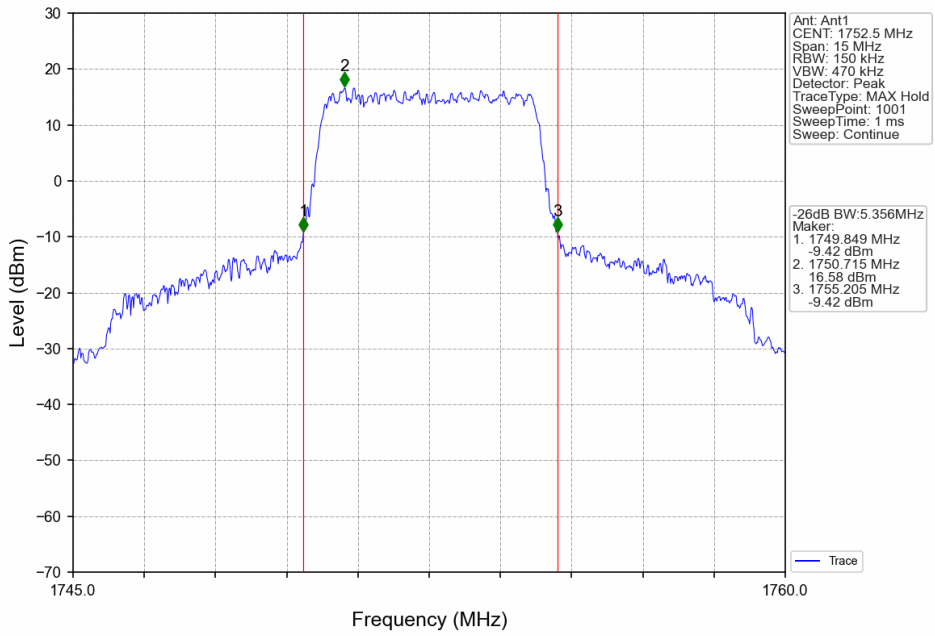
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



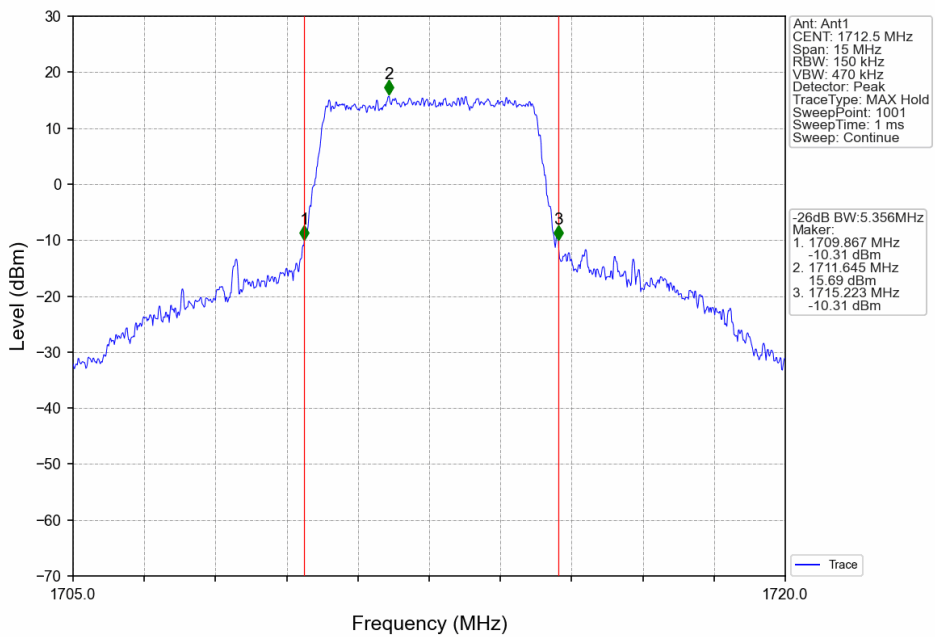
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

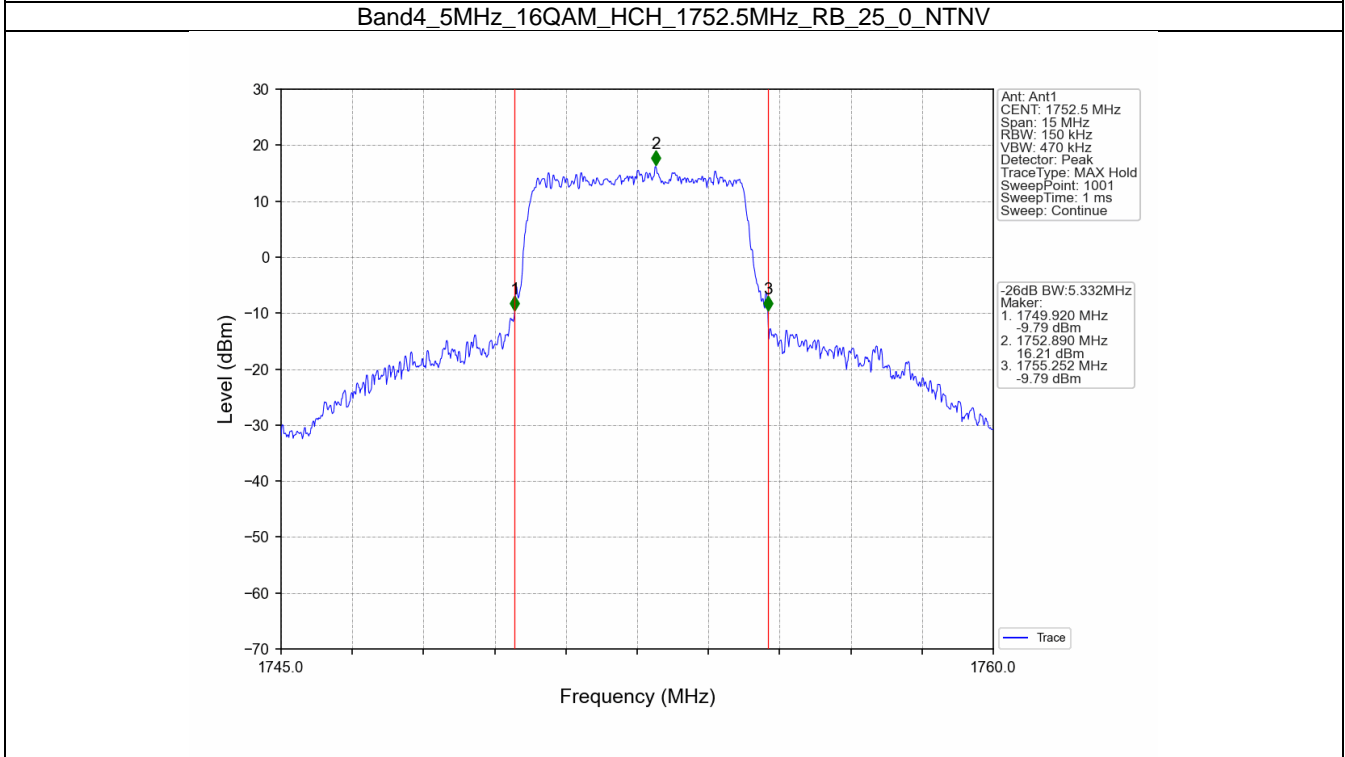
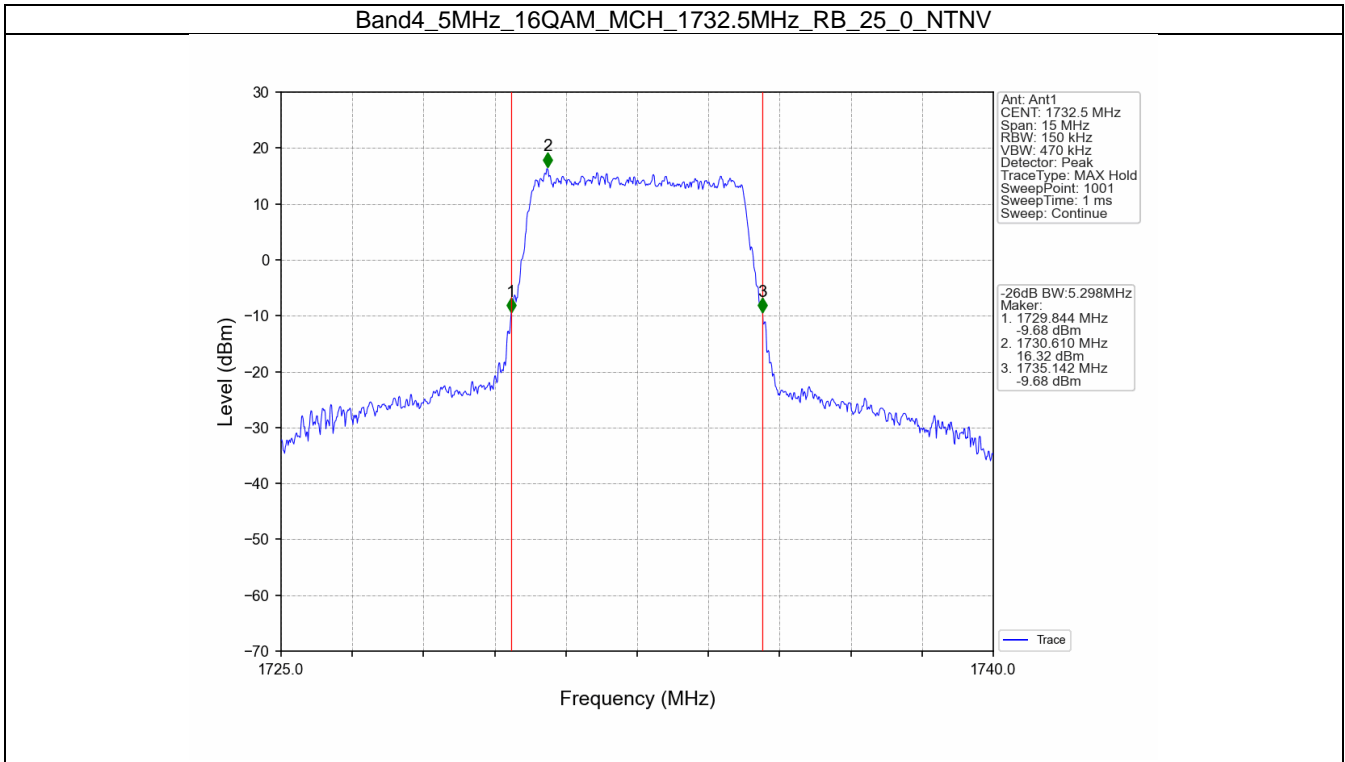


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

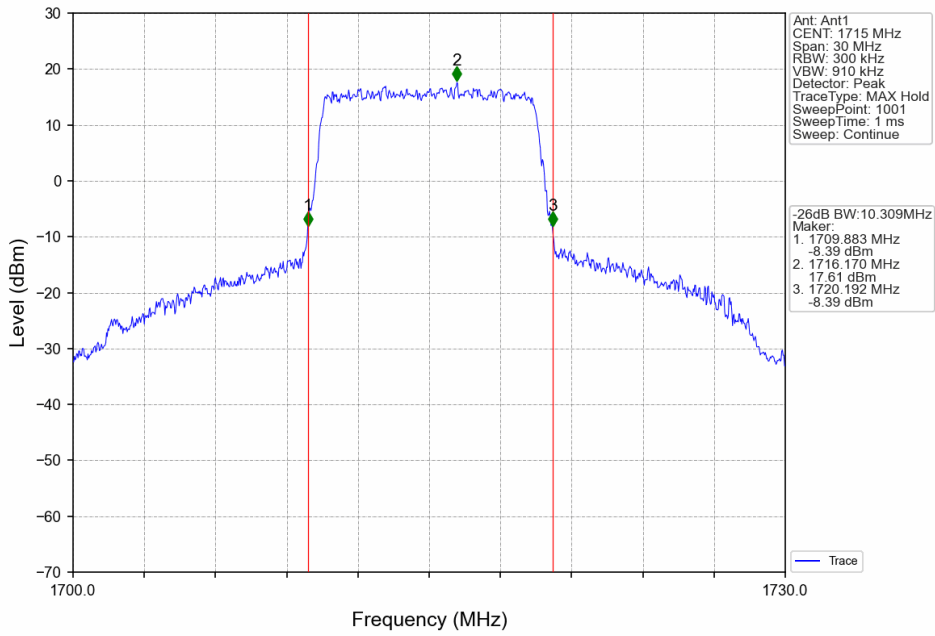


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

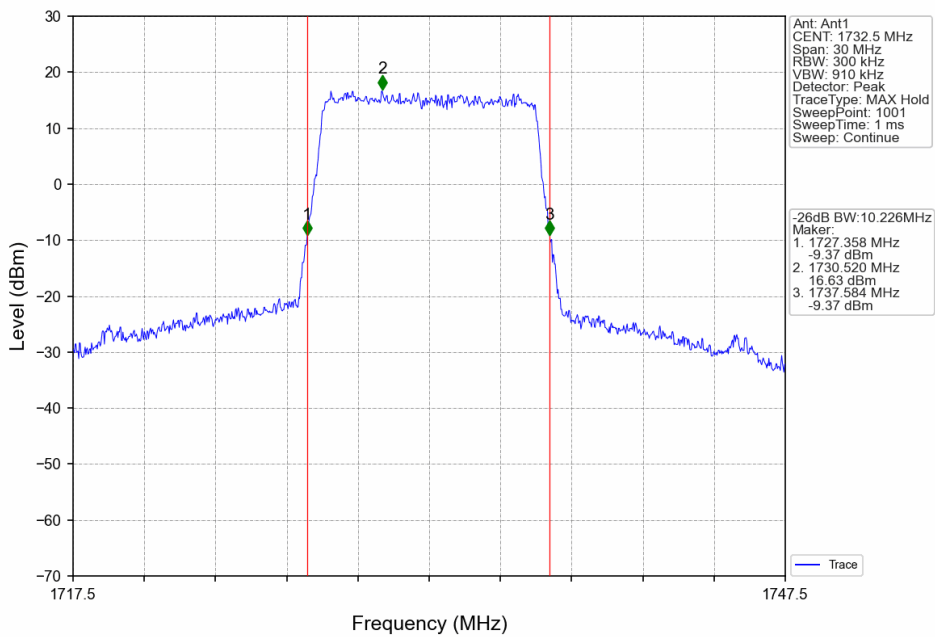




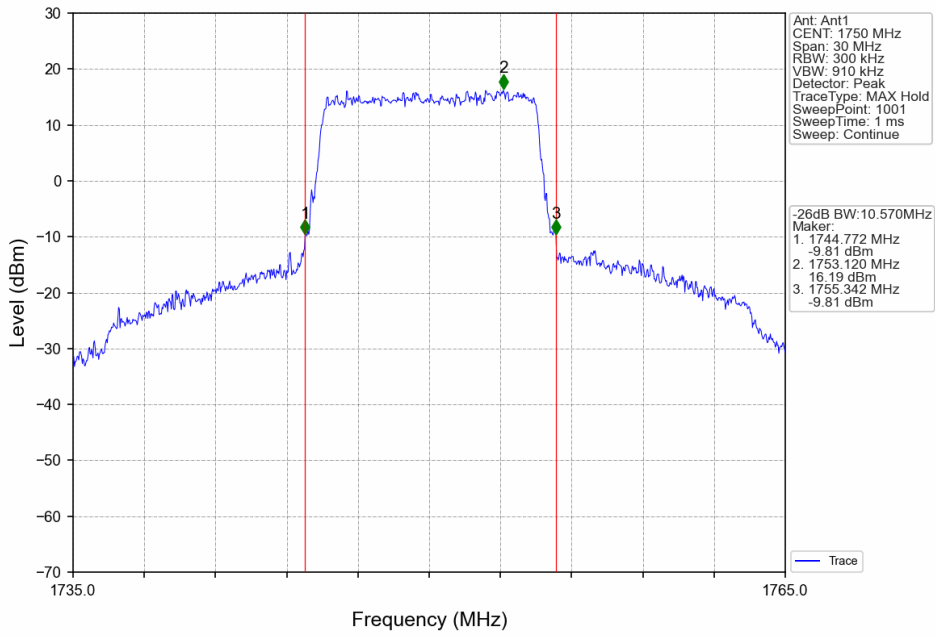
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



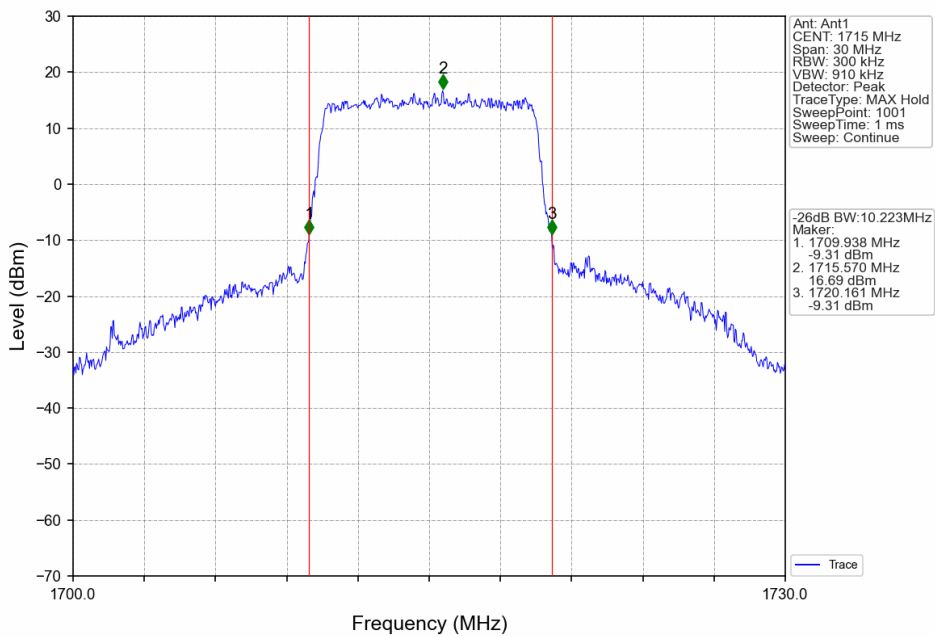
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



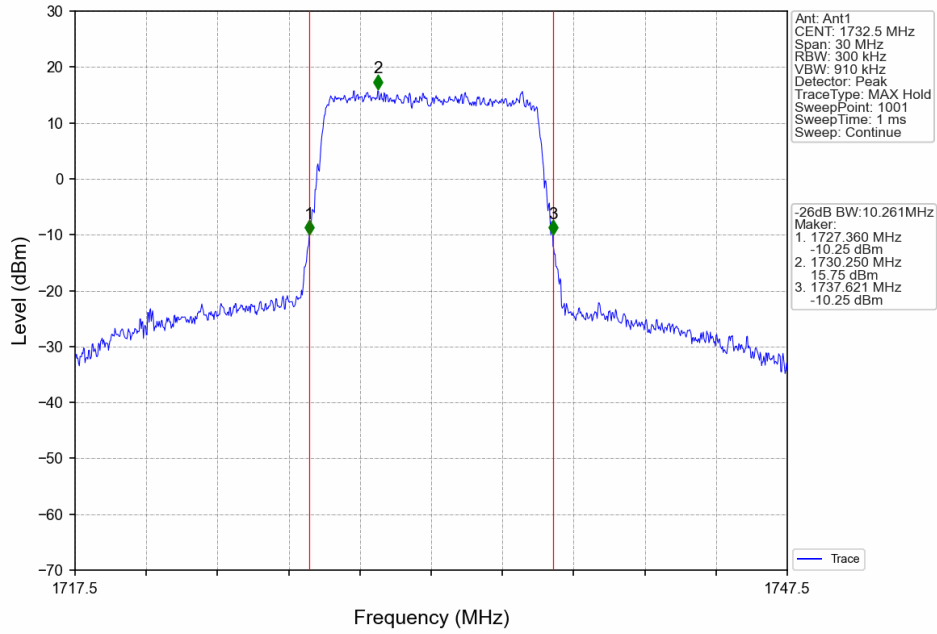
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



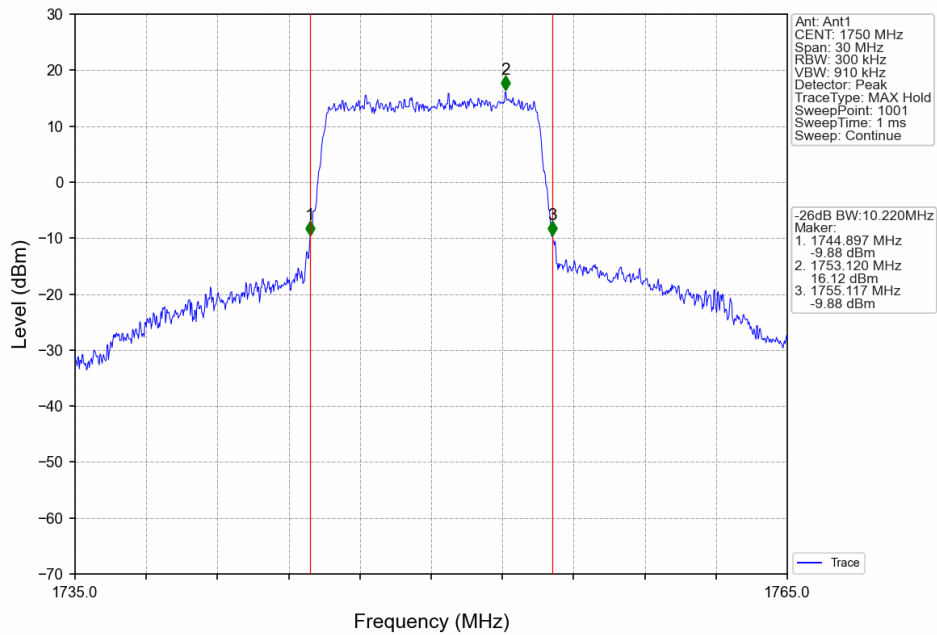
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



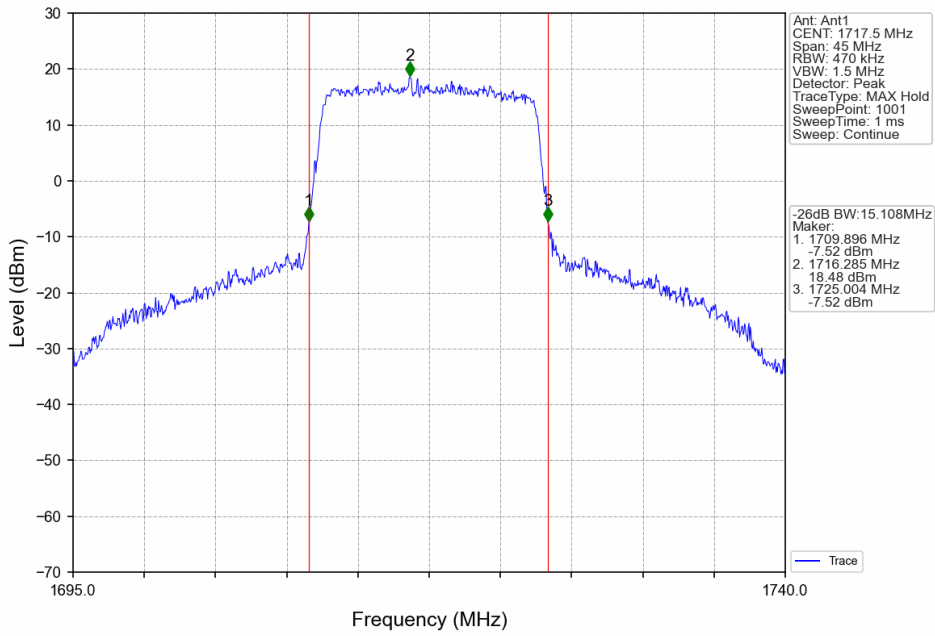
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



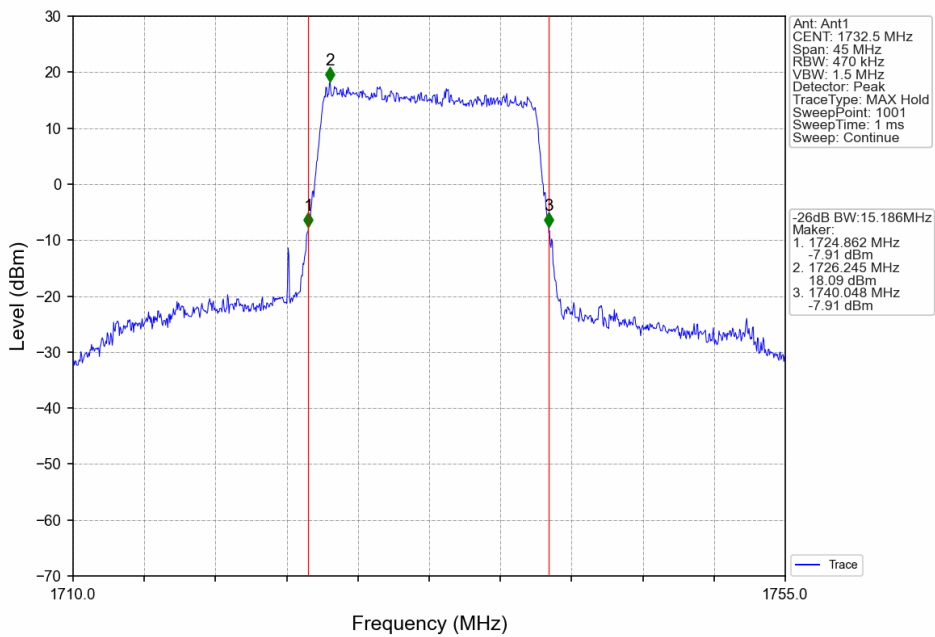
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



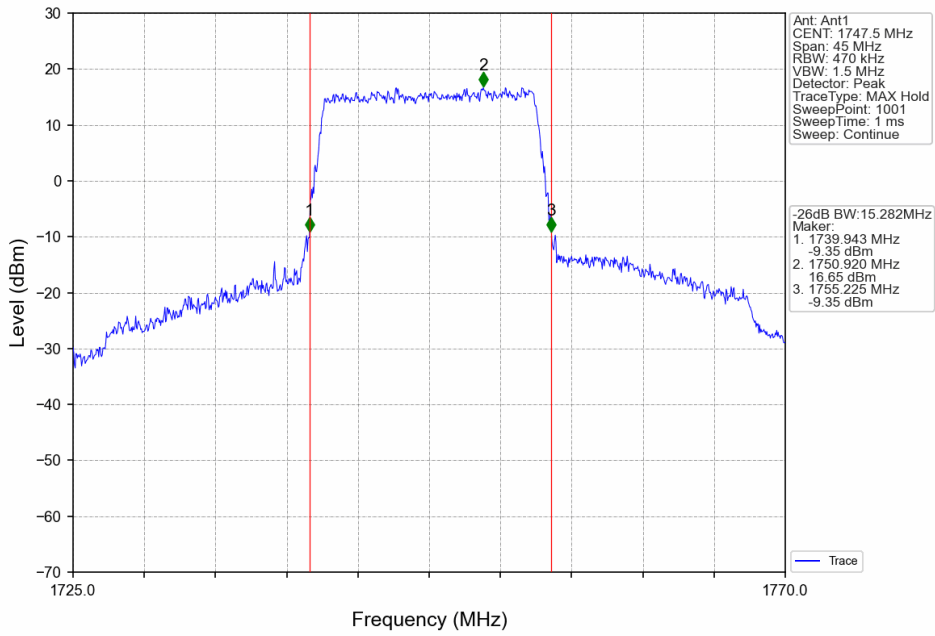
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



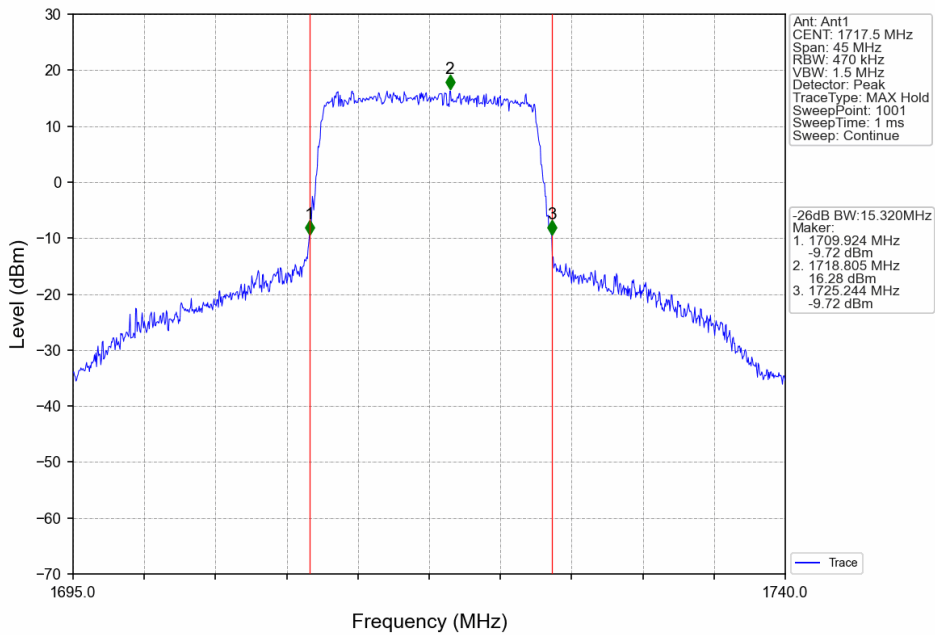
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



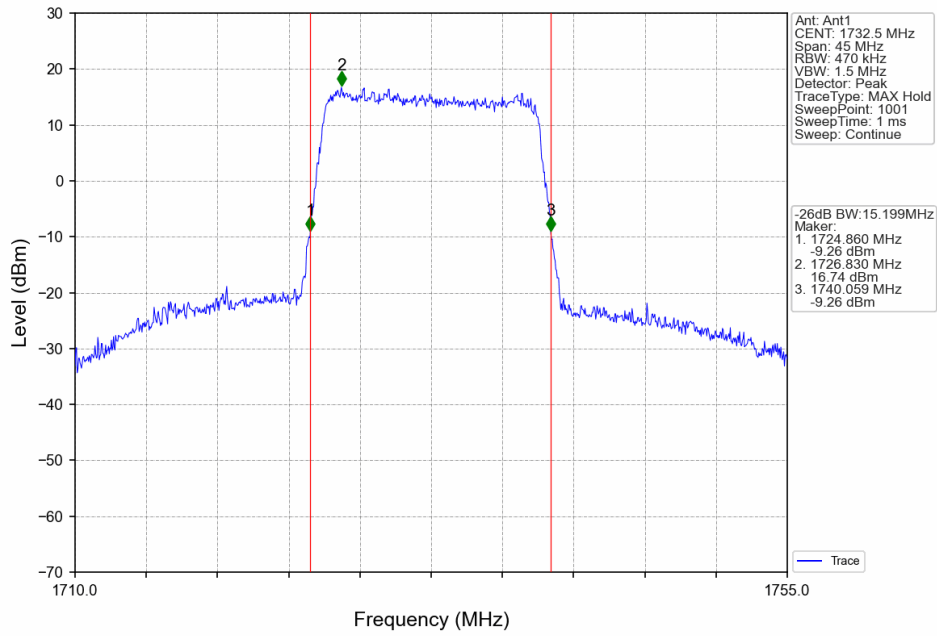
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



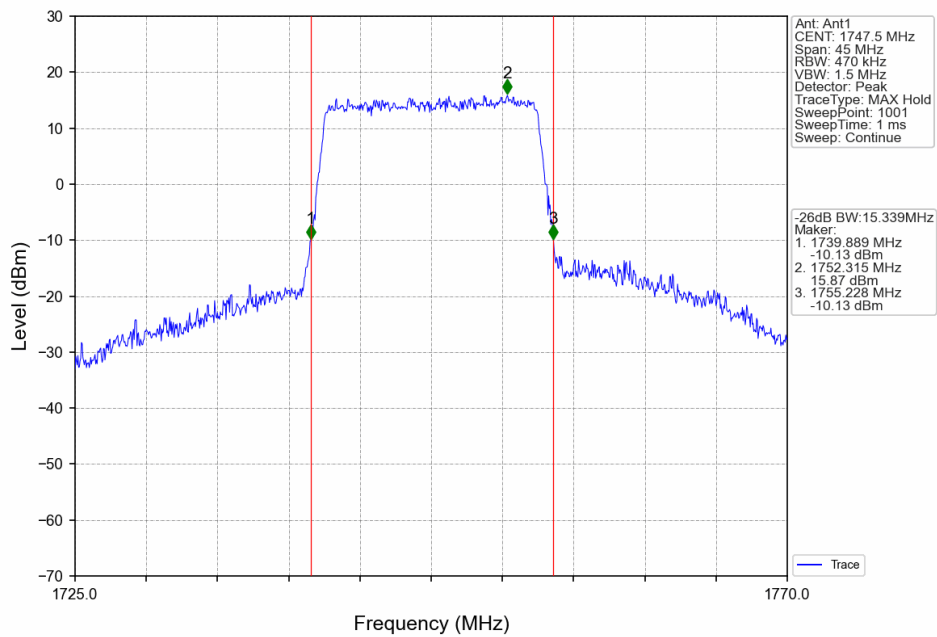
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



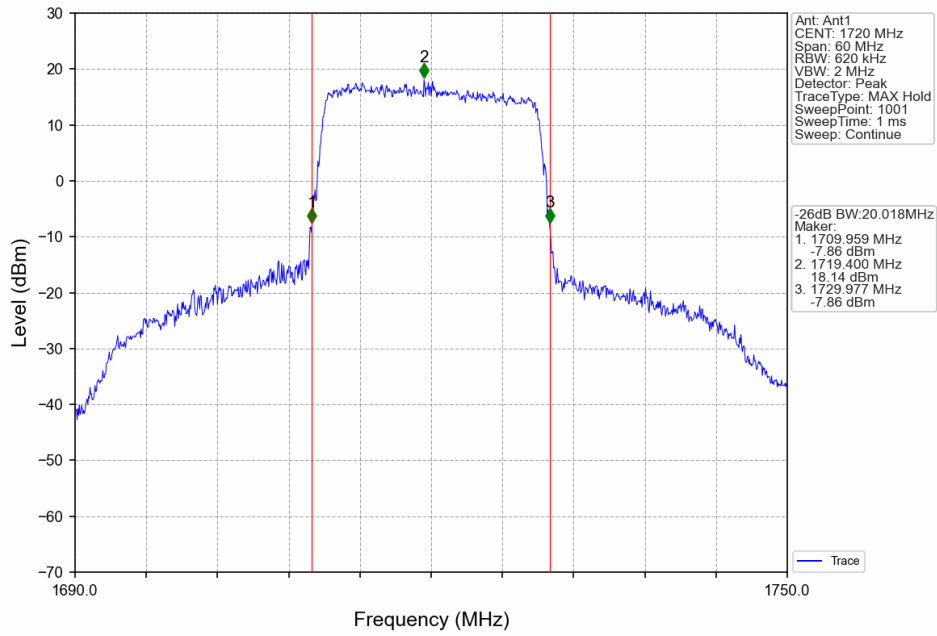
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



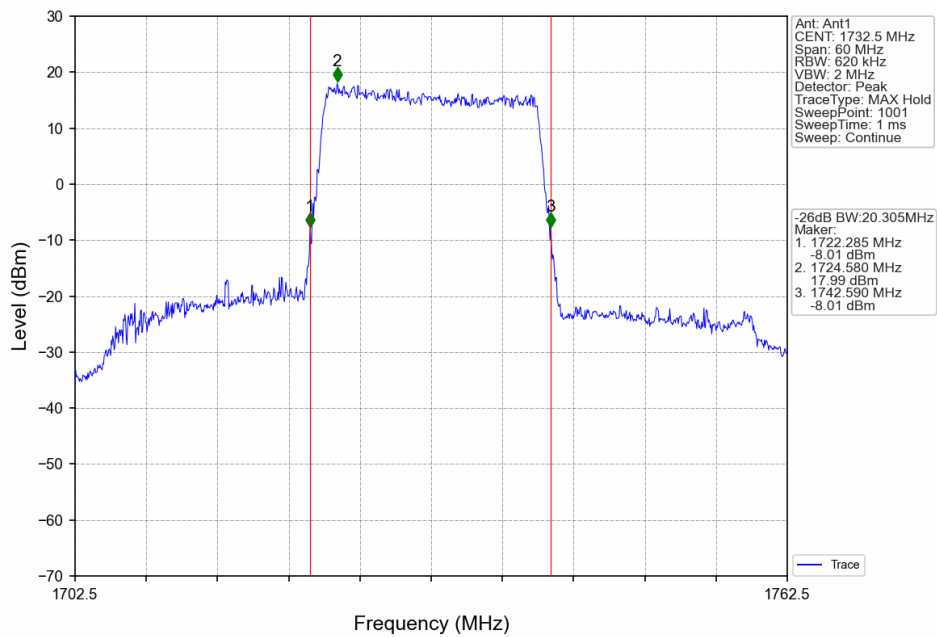
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



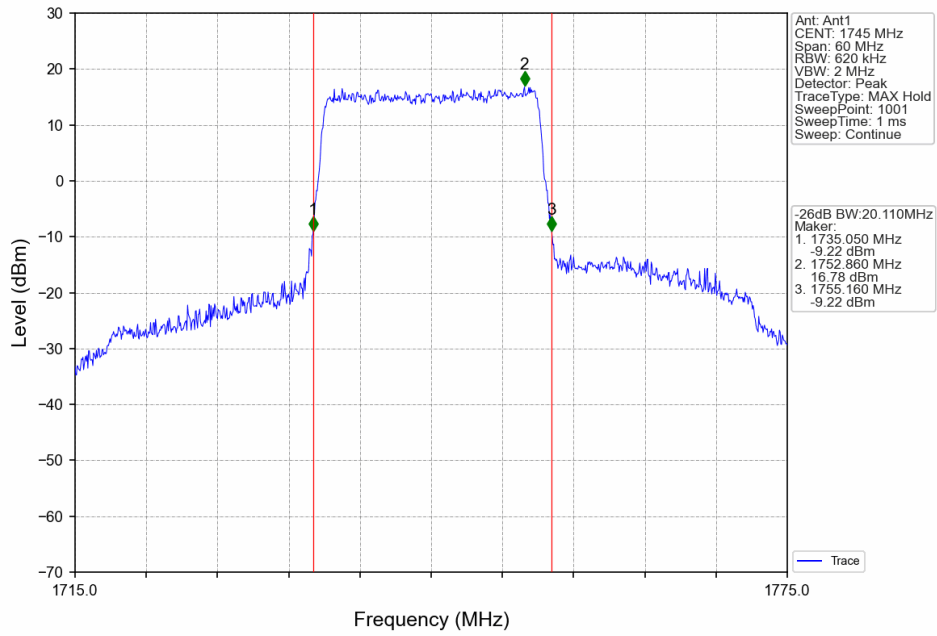
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



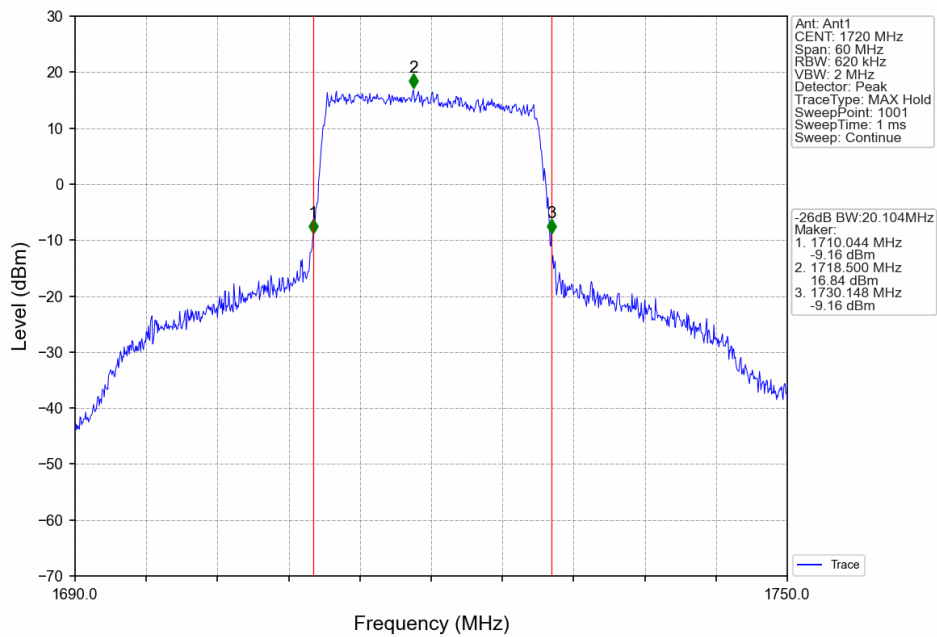
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



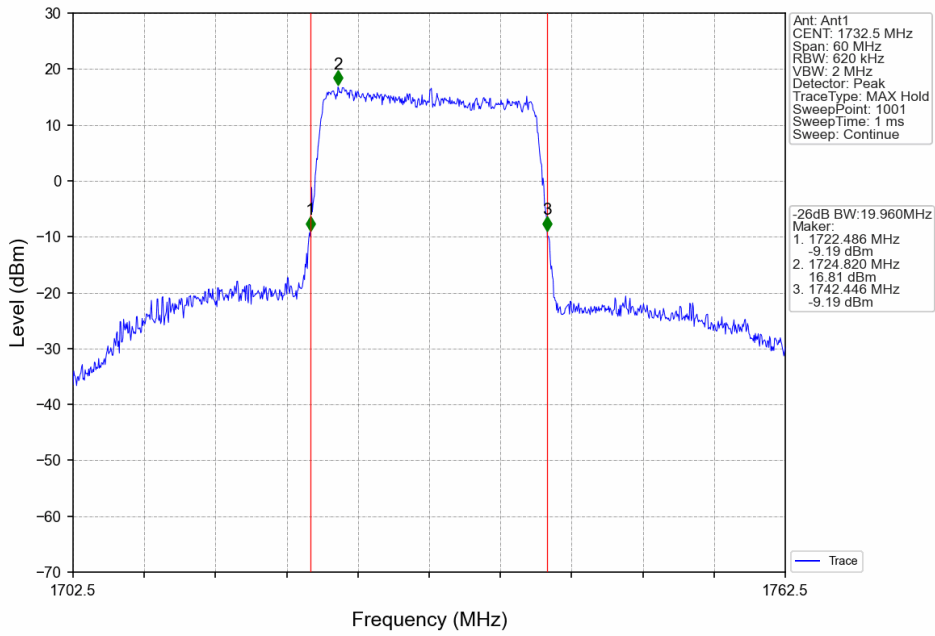
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



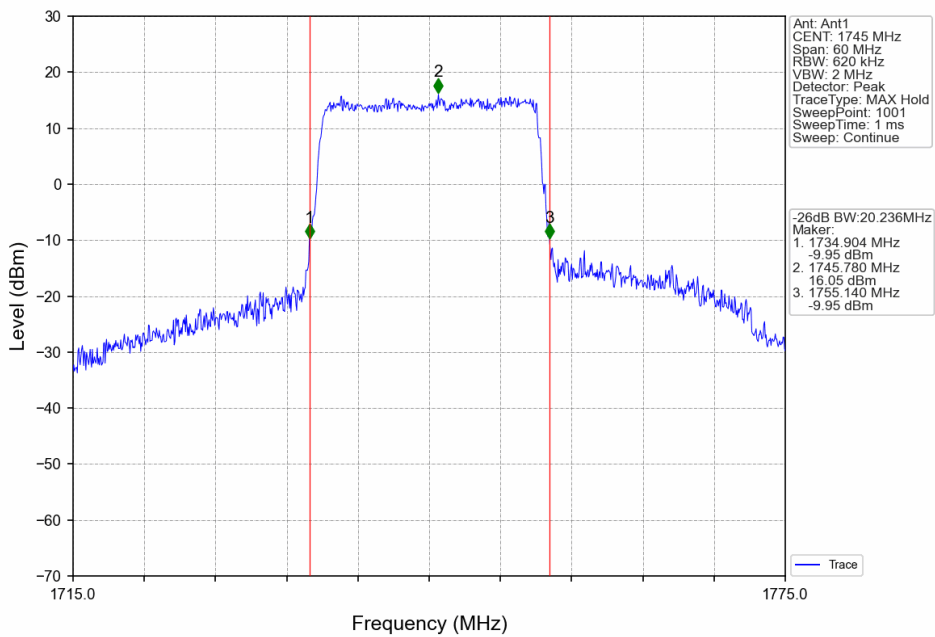
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	3.59	<=13	Pass
	1732.5	6	0	5.62	<=13	Pass
	1754.3	6	0	3.33	<=13	Pass
16QAM	1710.7	6	0	4.64	<=13	Pass
	1732.5	6	0	6.50	<=13	Pass
	1754.3	6	0	4.41	<=13	Pass

5.1.2 Test Graph

