

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	22.60	0.42	23.02	<=30	Pass		
			2	22.76	0.42	23.18	<=30	Pass		
			5	22.58	0.42	23.00	<=30	Pass		
		3	0	22.74	0.42	23.16	<=30	Pass		
			2	22.78	0.42	23.20	<=30	Pass		
			3	22.74	0.42	23.16	<=30	Pass		
		6	0	21.75	0.42	22.17	<=30	Pass		
		1732.5	1	0	22.67	0.42	23.09	<=30	Pass	
				2	22.76	0.42	23.18	<=30	Pass	
	5			22.63	0.42	23.05	<=30	Pass		
	3		0	22.75	0.42	23.17	<=30	Pass		
			2	22.78	0.42	23.20	<=30	Pass		
			3	22.78	0.42	23.20	<=30	Pass		
	6		0	21.71	0.42	22.13	<=30	Pass		
	1754.3		1	0	22.54	0.42	22.96	<=30	Pass	
				2	22.63	0.42	23.05	<=30	Pass	
		5		22.53	0.42	22.95	<=30	Pass		
		3	0	22.64	0.42	23.06	<=30	Pass		
			2	22.67	0.42	23.09	<=30	Pass		
			3	22.67	0.42	23.09	<=30	Pass		
		6	0	21.64	0.42	22.06	<=30	Pass		
		16QAM	1710.7	1	0	21.80	0.42	22.22	<=30	Pass
					2	21.92	0.42	22.34	<=30	Pass
	5				21.83	0.42	22.25	<=30	Pass	
	3			0	21.73	0.42	22.15	<=30	Pass	
				2	21.78	0.42	22.20	<=30	Pass	
				3	21.76	0.42	22.18	<=30	Pass	
6	0			20.75	0.42	21.17	<=30	Pass		
1732.5	1			0	21.73	0.42	22.15	<=30	Pass	
				2	21.81	0.42	22.23	<=30	Pass	
			5	21.75	0.42	22.17	<=30	Pass		
	3		0	21.89	0.42	22.31	<=30	Pass		
			2	21.88	0.42	22.30	<=30	Pass		
			3	21.87	0.42	22.29	<=30	Pass		
	6		0	20.70	0.42	21.12	<=30	Pass		
	1754.3		1	0	21.54	0.42	21.96	<=30	Pass	
				2	21.59	0.42	22.01	<=30	Pass	
5				21.51	0.42	21.93	<=30	Pass		
3			0	21.80	0.42	22.22	<=30	Pass		
			2	21.84	0.42	22.26	<=30	Pass		
			3	21.86	0.42	22.28	<=30	Pass		
6			0	20.66	0.42	21.08	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	22.69	0.42	23.11	<=30	Pass		
			7	22.87	0.42	23.29	<=30	Pass		
			14	22.73	0.42	23.15	<=30	Pass		
		8	0	21.77	0.42	22.19	<=30	Pass		
			4	21.83	0.42	22.25	<=30	Pass		
			7	21.78	0.42	22.20	<=30	Pass		
		15	0	21.81	0.42	22.23	<=30	Pass		
		1732.5	1	0	22.78	0.42	23.20	<=30	Pass	
				7	22.90	0.42	23.32	<=30	Pass	
	14			22.67	0.42	23.09	<=30	Pass		
	8		0	21.84	0.42	22.26	<=30	Pass		
			4	21.85	0.42	22.27	<=30	Pass		
			7	21.79	0.42	22.21	<=30	Pass		
	15		0	21.84	0.42	22.26	<=30	Pass		
	1753.5		1	0	22.76	0.42	23.18	<=30	Pass	
				7	22.85	0.42	23.27	<=30	Pass	
		14		22.70	0.42	23.12	<=30	Pass		
		8	0	21.75	0.42	22.17	<=30	Pass		
			4	21.77	0.42	22.19	<=30	Pass		
			7	21.73	0.42	22.15	<=30	Pass		
		15	0	21.69	0.42	22.11	<=30	Pass		
		16QAM	1711.5	1	0	22.33	0.42	22.75	<=30	Pass
					7	22.47	0.42	22.89	<=30	Pass
	14				22.34	0.42	22.76	<=30	Pass	
	8			0	20.99	0.42	21.41	<=30	Pass	
				4	21.06	0.42	21.48	<=30	Pass	
				7	21.00	0.42	21.42	<=30	Pass	
15	0			20.93	0.42	21.35	<=30	Pass		
1732.5	1			0	22.03	0.42	22.45	<=30	Pass	
				7	22.13	0.42	22.55	<=30	Pass	
			14	21.94	0.42	22.36	<=30	Pass		
	8		0	20.84	0.42	21.26	<=30	Pass		
			4	20.90	0.42	21.32	<=30	Pass		
			7	20.82	0.42	21.24	<=30	Pass		
	15		0	20.84	0.42	21.26	<=30	Pass		
	1753.5		1	0	21.74	0.42	22.16	<=30	Pass	
				7	21.88	0.42	22.30	<=30	Pass	
14				21.72	0.42	22.14	<=30	Pass		
8			0	20.85	0.42	21.27	<=30	Pass		
			4	20.86	0.42	21.28	<=30	Pass		
			7	20.81	0.42	21.23	<=30	Pass		
15			0	20.83	0.42	21.25	<=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	22.61	0.42	23.03	<=30	Pass		
			13	22.79	0.42	23.21	<=30	Pass		
			24	22.63	0.42	23.05	<=30	Pass		
		12	0	21.68	0.42	22.10	<=30	Pass		
			6	21.76	0.42	22.18	<=30	Pass		
			13	21.79	0.42	22.21	<=30	Pass		
		25	0	21.73	0.42	22.15	<=30	Pass		
		1732.5	1	0	22.65	0.42	23.07	<=30	Pass	
				13	22.70	0.42	23.12	<=30	Pass	
	24			22.58	0.42	23.00	<=30	Pass		
	12		0	21.77	0.42	22.19	<=30	Pass		
			6	21.79	0.42	22.21	<=30	Pass		
			13	21.68	0.42	22.10	<=30	Pass		
	25		0	21.73	0.42	22.15	<=30	Pass		
	1752.5		1	0	22.55	0.42	22.97	<=30	Pass	
				13	22.65	0.42	23.07	<=30	Pass	
		24		22.52	0.42	22.94	<=30	Pass		
		12	0	21.63	0.42	22.05	<=30	Pass		
			6	21.68	0.42	22.10	<=30	Pass		
			13	21.58	0.42	22.00	<=30	Pass		
		25	0	21.59	0.42	22.01	<=30	Pass		
		16QAM	1712.5	1	0	21.51	0.42	21.93	<=30	Pass
					13	21.66	0.42	22.08	<=30	Pass
	24				21.51	0.42	21.93	<=30	Pass	
12	0			20.75	0.42	21.17	<=30	Pass		
	6			20.82	0.42	21.24	<=30	Pass		
	13			20.79	0.42	21.21	<=30	Pass		
25	0			20.80	0.42	21.22	<=30	Pass		
1732.5	1			0	21.95	0.42	22.37	<=30	Pass	
				13	22.13	0.42	22.55	<=30	Pass	
			24	21.94	0.42	22.36	<=30	Pass		
	12		0	20.86	0.42	21.28	<=30	Pass		
			6	20.88	0.42	21.30	<=30	Pass		
			13	20.76	0.42	21.18	<=30	Pass		
	25		0	20.79	0.42	21.21	<=30	Pass		
	1752.5		1	0	21.67	0.42	22.09	<=30	Pass	
				13	21.74	0.42	22.16	<=30	Pass	
24				21.59	0.42	22.01	<=30	Pass		
12			0	20.65	0.42	21.07	<=30	Pass		
			6	20.71	0.42	21.13	<=30	Pass		
			13	20.60	0.42	21.02	<=30	Pass		
25			0	20.67	0.42	21.09	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	22.60	0.42	23.02	<=30	Pass		
			25	22.92	0.42	23.34	<=30	Pass		
			49	22.68	0.42	23.10	<=30	Pass		
		25	0	21.72	0.42	22.14	<=30	Pass		
			13	21.82	0.42	22.24	<=30	Pass		
			25	21.91	0.42	22.33	<=30	Pass		
		50	0	21.81	0.42	22.23	<=30	Pass		
		1732.5	1	0	22.69	0.42	23.11	<=30	Pass	
				25	22.86	0.42	23.28	<=30	Pass	
	49			22.62	0.42	23.04	<=30	Pass		
	25		0	21.88	0.42	22.30	<=30	Pass		
			13	21.81	0.42	22.23	<=30	Pass		
			25	21.72	0.42	22.14	<=30	Pass		
	50		0	21.81	0.42	22.23	<=30	Pass		
	1750		1	0	22.62	0.42	23.04	<=30	Pass	
				25	22.83	0.42	23.25	<=30	Pass	
		49		22.58	0.42	23.00	<=30	Pass		
		25	0	21.73	0.42	22.15	<=30	Pass		
			13	21.71	0.42	22.13	<=30	Pass		
			25	21.64	0.42	22.06	<=30	Pass		
		50	0	21.73	0.42	22.15	<=30	Pass		
		16QAM	1715	1	0	22.23	0.42	22.65	<=30	Pass
					25	22.49	0.42	22.91	<=30	Pass
	49				22.28	0.42	22.70	<=30	Pass	
25	0			20.82	0.42	21.24	<=30	Pass		
	13			20.94	0.42	21.36	<=30	Pass		
	25			20.98	0.42	21.40	<=30	Pass		
50	0			20.88	0.42	21.30	<=30	Pass		
1732.5	1			0	21.90	0.42	22.32	<=30	Pass	
				25	22.08	0.42	22.50	<=30	Pass	
			49	21.81	0.42	22.23	<=30	Pass		
	25		0	20.96	0.42	21.38	<=30	Pass		
			13	20.90	0.42	21.32	<=30	Pass		
			25	20.77	0.42	21.19	<=30	Pass		
	50		0	20.89	0.42	21.31	<=30	Pass		
	1750		1	0	21.65	0.42	22.07	<=30	Pass	
				25	21.79	0.42	22.21	<=30	Pass	
49				21.56	0.42	21.98	<=30	Pass		
25			0	20.89	0.42	21.31	<=30	Pass		
			13	20.89	0.42	21.31	<=30	Pass		
			25	20.77	0.42	21.19	<=30	Pass		
50			0	20.78	0.42	21.20	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / 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	22.48	0.42	22.90	<=30	Pass		
			38	22.72	0.42	23.14	<=30	Pass		
			74	22.48	0.42	22.90	<=30	Pass		
		36	0	21.68	0.42	22.10	<=30	Pass		
			18	21.81	0.42	22.23	<=30	Pass		
			39	21.79	0.42	22.21	<=30	Pass		
		75	0	21.76	0.42	22.18	<=30	Pass		
		1732.5	1	0	22.54	0.42	22.96	<=30	Pass	
				38	22.67	0.42	23.09	<=30	Pass	
	74			22.46	0.42	22.88	<=30	Pass		
	36		0	21.78	0.42	22.20	<=30	Pass		
			18	21.73	0.42	22.15	<=30	Pass		
			39	21.65	0.42	22.07	<=30	Pass		
	75		0	21.73	0.42	22.15	<=30	Pass		
	1747.5		1	0	22.49	0.42	22.91	<=30	Pass	
				38	22.61	0.42	23.03	<=30	Pass	
		74		22.44	0.42	22.86	<=30	Pass		
		36	0	21.74	0.42	22.16	<=30	Pass		
			18	21.72	0.42	22.14	<=30	Pass		
			39	21.61	0.42	22.03	<=30	Pass		
		75	0	21.67	0.42	22.09	<=30	Pass		
		16QAM	1717.5	1	0	22.13	0.42	22.55	<=30	Pass
					38	22.33	0.42	22.75	<=30	Pass
	74				22.13	0.42	22.55	<=30	Pass	
36	0			20.73	0.42	21.15	<=30	Pass		
	18			20.81	0.42	21.23	<=30	Pass		
	39			20.84	0.42	21.26	<=30	Pass		
75	0			20.79	0.42	21.21	<=30	Pass		
1732.5	1			0	21.82	0.42	22.24	<=30	Pass	
				38	21.91	0.42	22.33	<=30	Pass	
			74	21.64	0.42	22.06	<=30	Pass		
	36		0	20.82	0.42	21.24	<=30	Pass		
			18	20.80	0.42	21.22	<=30	Pass		
			39	20.68	0.42	21.10	<=30	Pass		
	75		0	20.76	0.42	21.18	<=30	Pass		
	1747.5		1	0	21.97	0.42	22.39	<=30	Pass	
				38	22.06	0.42	22.48	<=30	Pass	
74				21.78	0.42	22.20	<=30	Pass		
36			0	20.71	0.42	21.13	<=30	Pass		
			18	20.71	0.42	21.13	<=30	Pass		
			39	20.61	0.42	21.03	<=30	Pass		
75			0	20.69	0.42	21.11	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1720	1	0	22.41	0.42	22.83	<=30	Pass		
			50	22.87	0.42	23.29	<=30	Pass		
			99	22.42	0.42	22.84	<=30	Pass		
		50	0	21.58	0.42	22.00	<=30	Pass		
			25	21.75	0.42	22.17	<=30	Pass		
			50	21.74	0.42	22.16	<=30	Pass		
		100	0	21.66	0.42	22.08	<=30	Pass		
		1732.5	1	0	22.43	0.42	22.85	<=30	Pass	
				50	22.84	0.42	23.26	<=30	Pass	
	99			22.39	0.42	22.81	<=30	Pass		
	50		0	21.87	0.42	22.29	<=30	Pass		
			25	21.78	0.42	22.20	<=30	Pass		
			50	21.56	0.42	21.98	<=30	Pass		
	100		0	21.69	0.42	22.11	<=30	Pass		
	1745		1	0	22.34	0.42	22.76	<=30	Pass	
				50	22.78	0.42	23.20	<=30	Pass	
		99		22.31	0.42	22.73	<=30	Pass		
		50	0	21.85	0.42	22.27	<=30	Pass		
			25	21.72	0.42	22.14	<=30	Pass		
			50	21.62	0.42	22.04	<=30	Pass		
		100	0	21.73	0.42	22.15	<=30	Pass		
		16QAM	1720	1	0	21.75	0.42	22.17	<=30	Pass
					50	22.17	0.42	22.59	<=30	Pass
	99				21.76	0.42	22.18	<=30	Pass	
50	0			20.67	0.42	21.09	<=30	Pass		
	25			20.83	0.42	21.25	<=30	Pass		
	50			20.81	0.42	21.23	<=30	Pass		
100	0			20.75	0.42	21.17	<=30	Pass		
1732.5	1			0	21.68	0.42	22.10	<=30	Pass	
				50	22.07	0.42	22.49	<=30	Pass	
			99	21.61	0.42	22.03	<=30	Pass		
	50		0	20.94	0.42	21.36	<=30	Pass		
			25	20.80	0.42	21.22	<=30	Pass		
			50	20.63	0.42	21.05	<=30	Pass		
	100		0	20.75	0.42	21.17	<=30	Pass		
	1745		1	0	21.96	0.42	22.38	<=30	Pass	
				50	22.37	0.42	22.79	<=30	Pass	
99				21.85	0.42	22.27	<=30	Pass		
50			0	20.94	0.42	21.36	<=30	Pass		
			25	20.79	0.42	21.21	<=30	Pass		
			50	20.67	0.42	21.09	<=30	Pass		
100			0	20.82	0.42	21.24	<=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	-3.433	-0.0020	-2.5 to 2.5	Pass
					3.85	-10.014	-0.0059	-2.5 to 2.5	Pass
					4.43	6.337	0.0037	-2.5 to 2.5	Pass
				-30	3.85	-7.396	-0.0043	-2.5 to 2.5	Pass
					-20	3.85	-18.239	-0.0107	-2.5 to 2.5
				-10		3.85	0.515	0.0003	-2.5 to 2.5
					0	3.85	-14.005	-0.0082	-2.5 to 2.5
				10	3.85	5.322	0.0031	-2.5 to 2.5	Pass
				30	3.85	-16.265	-0.0095	-2.5 to 2.5	Pass
				40	3.85	5.794	0.0034	-2.5 to 2.5	Pass
	50	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	1.659	0.0010	-2.5 to 2.5	Pass
					3.85	-11.759	-0.0068	-2.5 to 2.5	Pass
					4.43	1.159	0.0007	-2.5 to 2.5	Pass
				-30	3.85	8.526	0.0049	-2.5 to 2.5	Pass
					-20	3.85	7.210	0.0042	-2.5 to 2.5
				-10		3.85	-8.540	-0.0049	-2.5 to 2.5
					0	3.85	0.958	0.0006	-2.5 to 2.5
				10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
	50	3.85	1.931	0.0011	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-1.516	-0.0009	-2.5 to 2.5	Pass
					3.85	-15.936	-0.0091	-2.5 to 2.5	Pass
					4.43	-18.010	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-14.205	-0.0081	-2.5 to 2.5	Pass
					-20	3.85	-14.677	-0.0084	-2.5 to 2.5
				-10		3.85	-10.228	-0.0058	-2.5 to 2.5
					0	3.85	-13.132	-0.0075	-2.5 to 2.5
				10	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
30				3.85	12.975	0.0074	-2.5 to 2.5	Pass	
40				3.85	-13.533	-0.0077	-2.5 to 2.5	Pass	
50	3.85	-12.345	-0.0070	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-5.221	-0.0031	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.43	8.712	0.0051	-2.5 to 2.5	Pass
				-30	3.85	18.339	0.0107	-2.5 to 2.5	Pass
					-20	3.85	-10.815	-0.0063	-2.5 to 2.5
				-10		3.85	-14.591	-0.0085	-2.5 to 2.5
					0	3.85	0.772	0.0005	-2.5 to 2.5
				10	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-13.261	-0.0078	-2.5 to 2.5	Pass
				40	3.85	7.725	0.0045	-2.5 to 2.5	Pass
50	3.85	9.255	0.0054	-2.5 to 2.5	Pass				

	1732.5	6	0	20	3.27	-30.441	-0.0176	-2.5 to 2.5	Pass
					3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	4.835	0.0028	-2.5 to 2.5	Pass
				-20	3.85	4.048	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-13.447	-0.0078	-2.5 to 2.5	Pass
	40	3.85	11.573	0.0067	-2.5 to 2.5	Pass			
	50	3.85	-13.218	-0.0076	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-9.971	-0.0057	-2.5 to 2.5	Pass
					3.85	0.386	0.0002	-2.5 to 2.5	Pass
					4.43	-6.223	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-22.745	-0.0130	-2.5 to 2.5	Pass
10				3.85	13.089	0.0075	-2.5 to 2.5	Pass	
30				3.85	-3.548	-0.0020	-2.5 to 2.5	Pass	
40	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass				
50	3.85	4.649	0.0027	-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	13.633	0.0080	-2.5 to 2.5	Pass
					3.85	-9.069	-0.0053	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-13.018	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-16.479	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-5.422	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-15.264	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
	40	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass			
	50	3.85	-12.717	-0.0074	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	-17.352	-0.0100	-2.5 to 2.5	Pass
					3.85	-0.029	0.0000	-2.5 to 2.5	Pass
					4.43	8.054	0.0046	-2.5 to 2.5	Pass
				-30	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
10				3.85	-1.016	-0.0006	-2.5 to 2.5	Pass	
30				3.85	-19.040	-0.0110	-2.5 to 2.5	Pass	
40	3.85	-14.319	-0.0083	-2.5 to 2.5	Pass				
50	3.85	-28.095	-0.0162	-2.5 to 2.5	Pass				



	1753.5	15	0	20	3.27	-9.999	-0.0057	-2.5 to 2.5	Pass					
					3.85	-22.187	-0.0127	-2.5 to 2.5	Pass					
					4.43	-23.532	-0.0134	-2.5 to 2.5	Pass					
								-30	3.85	-22.044	-0.0126	-2.5 to 2.5	Pass	
								-20	3.85	-25.835	-0.0147	-2.5 to 2.5	Pass	
								-10	3.85	-20.041	-0.0114	-2.5 to 2.5	Pass	
								0	3.85	24.276	0.0138	-2.5 to 2.5	Pass	
								10	3.85	1.459	0.0008	-2.5 to 2.5	Pass	
								30	3.85	-15.278	-0.0087	-2.5 to 2.5	Pass	
								40	3.85	-14.820	-0.0085	-2.5 to 2.5	Pass	
								50	3.85	-9.084	-0.0052	-2.5 to 2.5	Pass	
								16QAM	1711.5	15	0	20	3.27	-9.928
3.85	11.044	0.0065	-2.5 to 2.5	Pass										
4.43	-4.177	-0.0024	-2.5 to 2.5	Pass										
				-30	3.85	15.850	0.0093					-2.5 to 2.5	Pass	
				-20	3.85	2.174	0.0013					-2.5 to 2.5	Pass	
				-10	3.85	3.548	0.0021					-2.5 to 2.5	Pass	
				0	3.85	-13.189	-0.0077					-2.5 to 2.5	Pass	
				10	3.85	8.440	0.0049					-2.5 to 2.5	Pass	
				30	3.85	-6.666	-0.0039					-2.5 to 2.5	Pass	
				40	3.85	7.439	0.0043					-2.5 to 2.5	Pass	
				50	3.85	-13.018	-0.0076					-2.5 to 2.5	Pass	
					1732.5	15	0					20	3.27	-13.504
3.85	0.272	0.0002	-2.5 to 2.5						Pass					
4.43	3.676	0.0021	-2.5 to 2.5						Pass					
									-30	3.85	0.758	0.0004	-2.5 to 2.5	Pass
									-20	3.85	5.178	0.0030	-2.5 to 2.5	Pass
									-10	3.85	7.038	0.0041	-2.5 to 2.5	Pass
									0	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
									10	3.85	-8.655	-0.0050	-2.5 to 2.5	Pass
									30	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
									40	3.85	-23.117	-0.0133	-2.5 to 2.5	Pass
									50	3.85	-15.206	-0.0088	-2.5 to 2.5	Pass
										1753.5	15	0	20	3.27
3.85	4.649	0.0027	-2.5 to 2.5	Pass										
4.43	5.522	0.0031	-2.5 to 2.5	Pass										
				-30	3.85	8.311	0.0047	-2.5 to 2.5					Pass	
				-20	3.85	-2.732	-0.0016	-2.5 to 2.5					Pass	
				-10	3.85	36.836	0.0210	-2.5 to 2.5					Pass	
				0	3.85	15.335	0.0087	-2.5 to 2.5					Pass	
				10	3.85	-3.362	-0.0019	-2.5 to 2.5					Pass	
				30	3.85	-16.422	-0.0094	-2.5 to 2.5					Pass	
				40	3.85	0.429	0.0002	-2.5 to 2.5					Pass	
				50	3.85	-12.689	-0.0072	-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	5.636	0.0033	-2.5 to 2.5	Pass	
					3.85	-7.110	-0.0042	-2.5 to 2.5	Pass	
					4.43	-15.178	-0.0089	-2.5 to 2.5	Pass	
				-30	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass	
					-20	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
						-10	3.85	-2.704	-0.0016	-2.5 to 2.5
				0	3.85	3.819	0.0022	-2.5 to 2.5	Pass	
					10	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
				30	3.85	2.890	0.0017	-2.5 to 2.5	Pass	
	40	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass				
	50	3.85	6.166	0.0036	-2.5 to 2.5	Pass				
	1732.5	25	0	20	3.27	-0.458	-0.0003	-2.5 to 2.5	Pass	
					3.85	-1.087	-0.0006	-2.5 to 2.5	Pass	
					4.43	4.106	0.0024	-2.5 to 2.5	Pass	
				-30	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass	
					-20	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
						-10	3.85	2.861	0.0017	-2.5 to 2.5
				0	3.85	4.263	0.0025	-2.5 to 2.5	Pass	
					10	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass	
	40	3.85	-15.965	-0.0092	-2.5 to 2.5	Pass				
	50	3.85	5.722	0.0033	-2.5 to 2.5	Pass				
	1752.5	25	0	20	3.27	1.516	0.0009	-2.5 to 2.5	Pass	
					3.85	-11.716	-0.0067	-2.5 to 2.5	Pass	
					4.43	-12.302	-0.0070	-2.5 to 2.5	Pass	
				-30	3.85	-11.244	-0.0064	-2.5 to 2.5	Pass	
					-20	3.85	-10.672	-0.0061	-2.5 to 2.5	Pass
-10						3.85	-14.963	-0.0085	-2.5 to 2.5	Pass
0				3.85	-16.851	-0.0096	-2.5 to 2.5	Pass		
				10	3.85	-12.431	-0.0071	-2.5 to 2.5	Pass	
30				3.85	-11.616	-0.0066	-2.5 to 2.5	Pass		
40	3.85	-12.288	-0.0070	-2.5 to 2.5	Pass					
50	3.85	-9.542	-0.0054	-2.5 to 2.5	Pass					
16QAM	1712.5	25	0	20	3.27	-7.739	-0.0045	-2.5 to 2.5	Pass	
					3.85	1.616	0.0009	-2.5 to 2.5	Pass	
					4.43	-0.615	-0.0004	-2.5 to 2.5	Pass	
				-30	3.85	2.904	0.0017	-2.5 to 2.5	Pass	
					-20	3.85	5.822	0.0034	-2.5 to 2.5	Pass
						-10	3.85	0.272	0.0002	-2.5 to 2.5
				0	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass	
					10	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass	
	40	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass				
	50	3.85	-18.511	-0.0108	-2.5 to 2.5	Pass				
	1732.5	25	0	20	3.27	-14.720	-0.0085	-2.5 to 2.5	Pass	
					3.85	2.675	0.0015	-2.5 to 2.5	Pass	
					4.43	-1.831	-0.0011	-2.5 to 2.5	Pass	
				-30	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass	
					-20	3.85	1.259	0.0007	-2.5 to 2.5	Pass
						-10	3.85	-4.206	-0.0024	-2.5 to 2.5
				0	3.85	-27.037	-0.0156	-2.5 to 2.5	Pass	
10					3.85	2.446	0.0014	-2.5 to 2.5	Pass	
30				3.85	-6.623	-0.0038	-2.5 to 2.5	Pass		
40	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass					

	1752.5	25	0	50	3.85	4.606	0.0027	-2.5 to 2.5	Pass
				20	3.27	-8.311	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				-30	4.43	49.953	0.0285	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-8.612	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-10.715	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
				30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	-9.184	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-11.730	-0.0067	-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	2.217	0.0013	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-6.809	-0.0040	-2.5 to 2.5	Pass
				10	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				30	3.85	-6.294	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-11.115	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-15.192	-0.0089	-2.5 to 2.5	Pass
				1732.5	50	0	20	3.27	-7.195
	3.85	5.965	0.0034					-2.5 to 2.5	Pass
	4.43	-9.642	-0.0056					-2.5 to 2.5	Pass
	-30	3.85	-3.762				-0.0022	-2.5 to 2.5	Pass
	-20	3.85	-8.297				-0.0048	-2.5 to 2.5	Pass
	-10	3.85	-4.678				-0.0027	-2.5 to 2.5	Pass
	0	3.85	-5.865				-0.0034	-2.5 to 2.5	Pass
	10	3.85	-10.772				-0.0062	-2.5 to 2.5	Pass
	30	3.85	-10.271				-0.0059	-2.5 to 2.5	Pass
	40	3.85	7.367				0.0043	-2.5 to 2.5	Pass
	50	3.85	-2.704				-0.0016	-2.5 to 2.5	Pass
	1750	50	0				20	3.27	-15.035
				3.85	-12.560	-0.0072		-2.5 to 2.5	Pass
				4.43	-9.012	-0.0051		-2.5 to 2.5	Pass
				-30	3.85	-9.456	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-14.606	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	16.637	0.0095	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-8.454	-0.0048	-2.5 to 2.5	Pass
30				3.85	-1.731	-0.0010	-2.5 to 2.5	Pass	
40				3.85	-4.520	-0.0026	-2.5 to 2.5	Pass	

16QAM	1715	50	0	50	3.85	-10.457	-0.0060	-2.5 to 2.5	Pass
				20	3.27	2.604	0.0015	-2.5 to 2.5	Pass
					3.85	-10.586	-0.0062	-2.5 to 2.5	Pass
				-30	4.43	-2.403	-0.0014	-2.5 to 2.5	Pass
					3.85	-16.465	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-11.559	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
	40	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass			
	50	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	-3.419	-0.0020	-2.5 to 2.5	Pass
					3.85	-9.584	-0.0055	-2.5 to 2.5	Pass
				-30	4.43	-3.762	-0.0022	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				0	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-9.499	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
	50	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-5.579	-0.0032	-2.5 to 2.5	Pass
					3.85	-15.435	-0.0088	-2.5 to 2.5	Pass
				-30	4.43	1.359	0.0008	-2.5 to 2.5	Pass
					3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-11.759	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
10				3.85	-7.567	-0.0043	-2.5 to 2.5	Pass	
30				3.85	-7.052	-0.0040	-2.5 to 2.5	Pass	
40				3.85	-2.990	-0.0017	-2.5 to 2.5	Pass	
50	3.85	-8.540	-0.0049	-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	-5.736	-0.0033	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
					4.43	-2.890	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
					-20	3.85	-4.148	-0.0024	-2.5 to 2.5
				-10	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				10	3.85	2.847	0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass

	1732.5	75	0	50	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
					3.27	-5.107	-0.0029	-2.5 to 2.5	Pass
				20	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
					4.43	2.003	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass
				30	3.85	3.662	0.0021	-2.5 to 2.5	Pass
	40	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass			
	50	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.27	-11.244	-0.0064	-2.5 to 2.5	Pass
					3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
					4.43	-8.669	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-9.999	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-11.015	-0.0063	-2.5 to 2.5	Pass
30				3.85	-9.012	-0.0052	-2.5 to 2.5	Pass	
40				3.85	10.543	0.0060	-2.5 to 2.5	Pass	
50	3.85	-11.272	-0.0065	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.27	-15.721	-0.0092	-2.5 to 2.5	Pass
					3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
					4.43	1.559	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
	50	3.85	0.157	0.0001	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.27	-8.669	-0.0050	-2.5 to 2.5	Pass
					3.85	0.629	0.0004	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
40				3.85	-2.875	-0.0017	-2.5 to 2.5	Pass	
50	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass				
1747.5	75	0	20	3.27	-3.948	-0.0023	-2.5 to 2.5	Pass	
				3.85	-12.302	-0.0070	-2.5 to 2.5	Pass	
				4.43	-8.669	-0.0050	-2.5 to 2.5	Pass	
			-30	3.85	-11.730	-0.0067	-2.5 to 2.5	Pass	
			-20	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass	
			-10	3.85	-14.033	-0.0080	-2.5 to 2.5	Pass	
			0	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass	
			10	3.85	-10.986	-0.0063	-2.5 to 2.5	Pass	
			30	3.85	-7.524	-0.0043	-2.5 to 2.5	Pass	



				40	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1720	100	0	20	3.27	-11.044	-0.0064	-2.5 to 2.5	Pass	
					3.85	-6.609	-0.0038	-2.5 to 2.5	Pass	
					4.43	-6.938	-0.0040	-2.5 to 2.5	Pass	
				-30	3.85	-8.354	-0.0049	-2.5 to 2.5	Pass	
					-20	3.85	-9.084	-0.0053	-2.5 to 2.5	Pass
						3.85	-10.357	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-13.547	-0.0079	-2.5 to 2.5	Pass	
					10	3.85	-10.400	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-11.458	-0.0067	-2.5 to 2.5	Pass	
	40	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass				
	50	3.85	-9.398	-0.0055	-2.5 to 2.5	Pass				
	1732.5	100	0	20	3.27	-12.445	-0.0072	-2.5 to 2.5	Pass	
					3.85	-4.377	-0.0025	-2.5 to 2.5	Pass	
					4.43	-4.306	-0.0025	-2.5 to 2.5	Pass	
				-30	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass	
					-20	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
						3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass	
					10	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				30	3.85	-8.712	-0.0050	-2.5 to 2.5	Pass	
	40	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass				
	50	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass				
	1745	100	0	20	3.27	-14.505	-0.0083	-2.5 to 2.5	Pass	
					3.85	-7.324	-0.0042	-2.5 to 2.5	Pass	
					4.43	0.386	0.0002	-2.5 to 2.5	Pass	
				-30	3.85	-11.287	-0.0065	-2.5 to 2.5	Pass	
					-20	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
3.85						-6.595	-0.0038	-2.5 to 2.5	Pass	
0				3.85	-7.939	-0.0045	-2.5 to 2.5	Pass		
				10	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass	
30				3.85	6.995	0.0040	-2.5 to 2.5	Pass		
40	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass					
50	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass					
16QAM	1720	100	0	20	3.27	-11.129	-0.0065	-2.5 to 2.5	Pass	
					3.85	-6.738	-0.0039	-2.5 to 2.5	Pass	
					4.43	-10.300	-0.0060	-2.5 to 2.5	Pass	
				-30	3.85	-6.795	-0.0040	-2.5 to 2.5	Pass	
					3.85	-3.591	-0.0021	-2.5 to 2.5	Pass	
				-10	3.85	-11.673	-0.0068	-2.5 to 2.5	Pass	
					3.85	-8.597	-0.0050	-2.5 to 2.5	Pass	
10	3.85	-19.612	-0.0114	-2.5 to 2.5	Pass					
30	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass					

	1732.5	100	0	40	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-10.629	-0.0062	-2.5 to 2.5	Pass
				20	3.27	2.804	0.0016	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.160	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.286	0.0002	-2.5 to 2.5	Pass
	30	3.85	-12.846	-0.0074	-2.5 to 2.5	Pass			
	40	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass			
	50	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-5.565	-0.0032	-2.5 to 2.5	Pass
					3.85	-9.027	-0.0052	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
10				3.85	-2.017	-0.0012	-2.5 to 2.5	Pass	
30				3.85	-0.157	-0.0001	-2.5 to 2.5	Pass	
40				3.85	-6.223	-0.0036	-2.5 to 2.5	Pass	
50	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass				

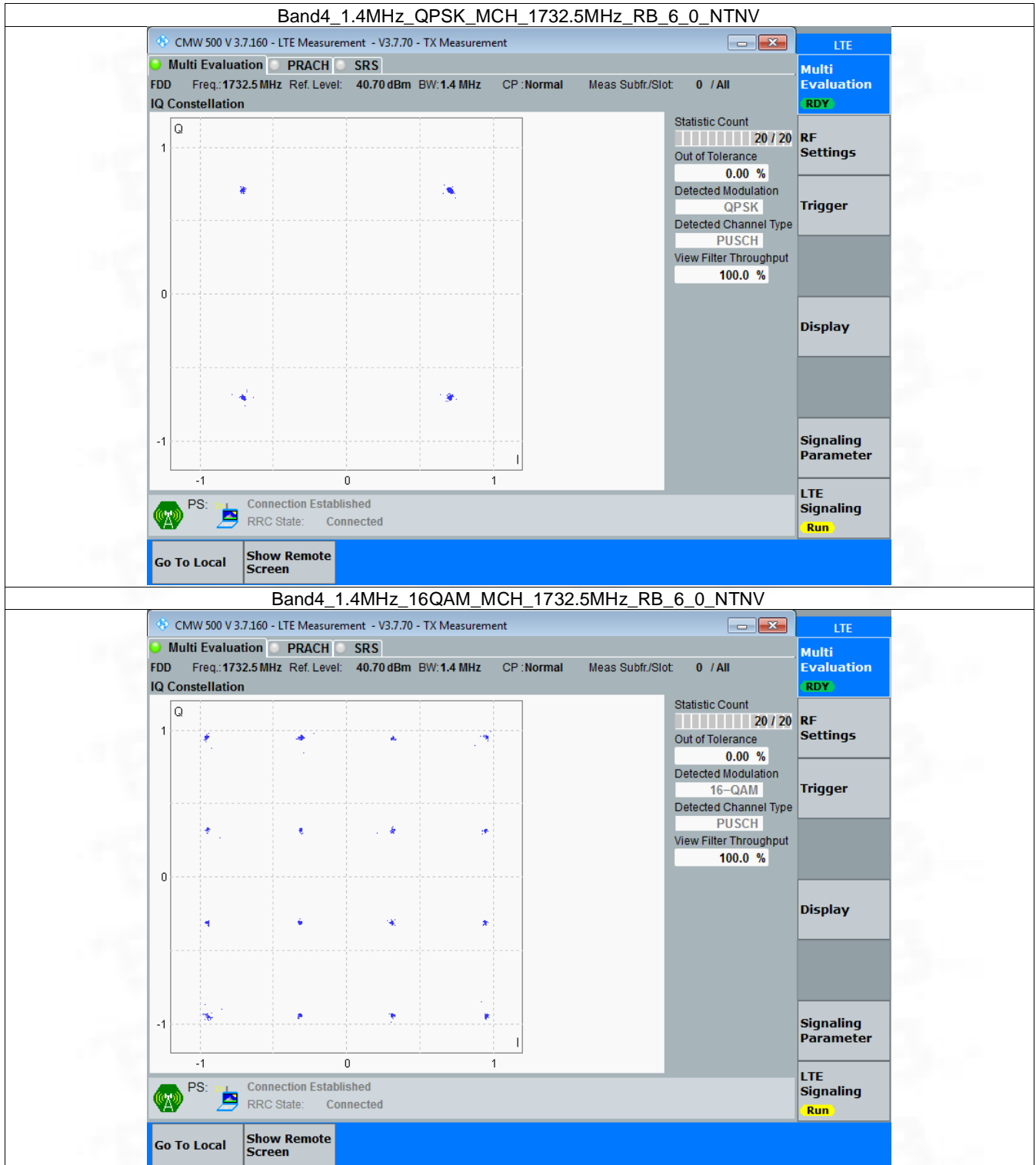
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
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

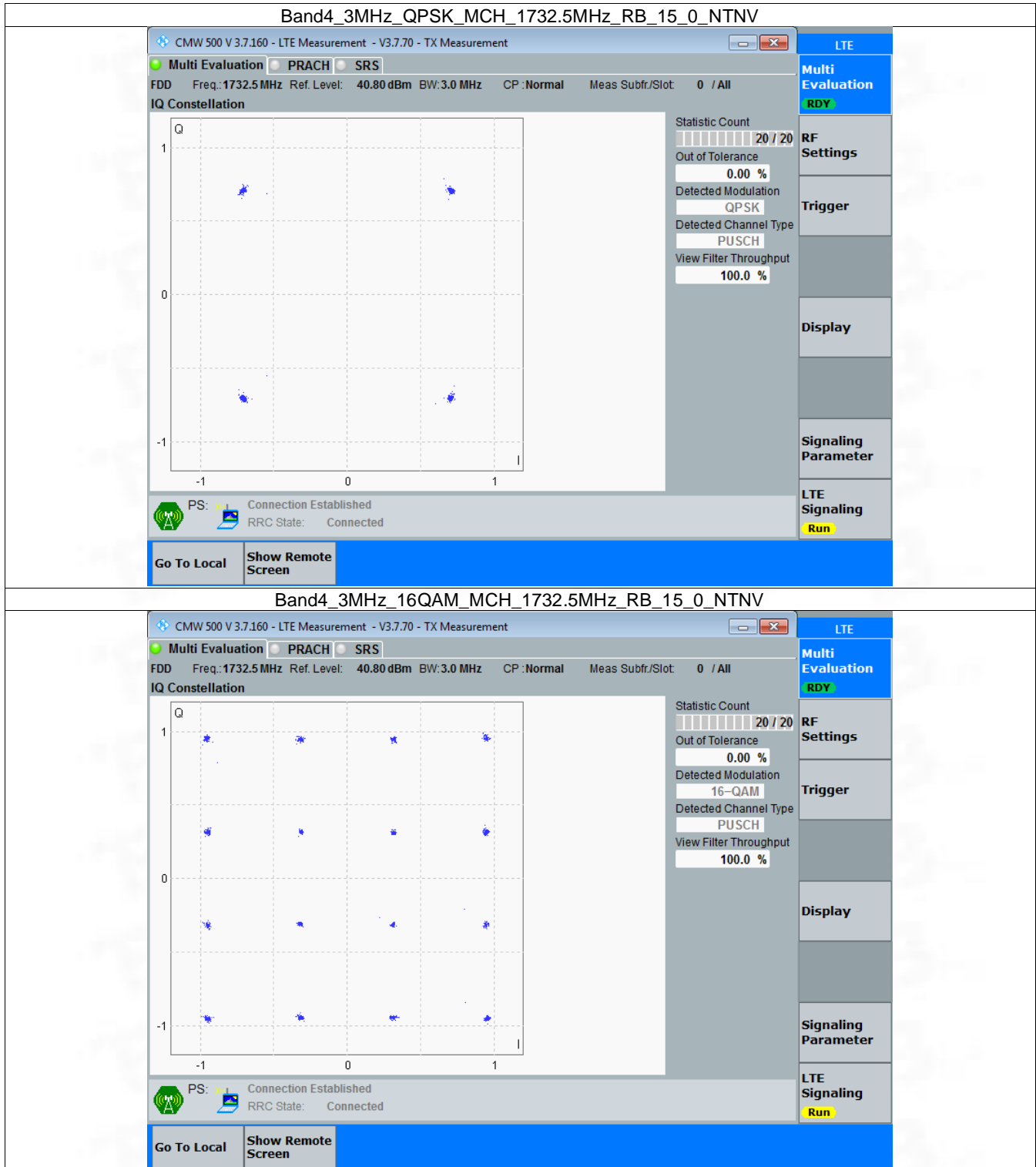


3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTV						
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

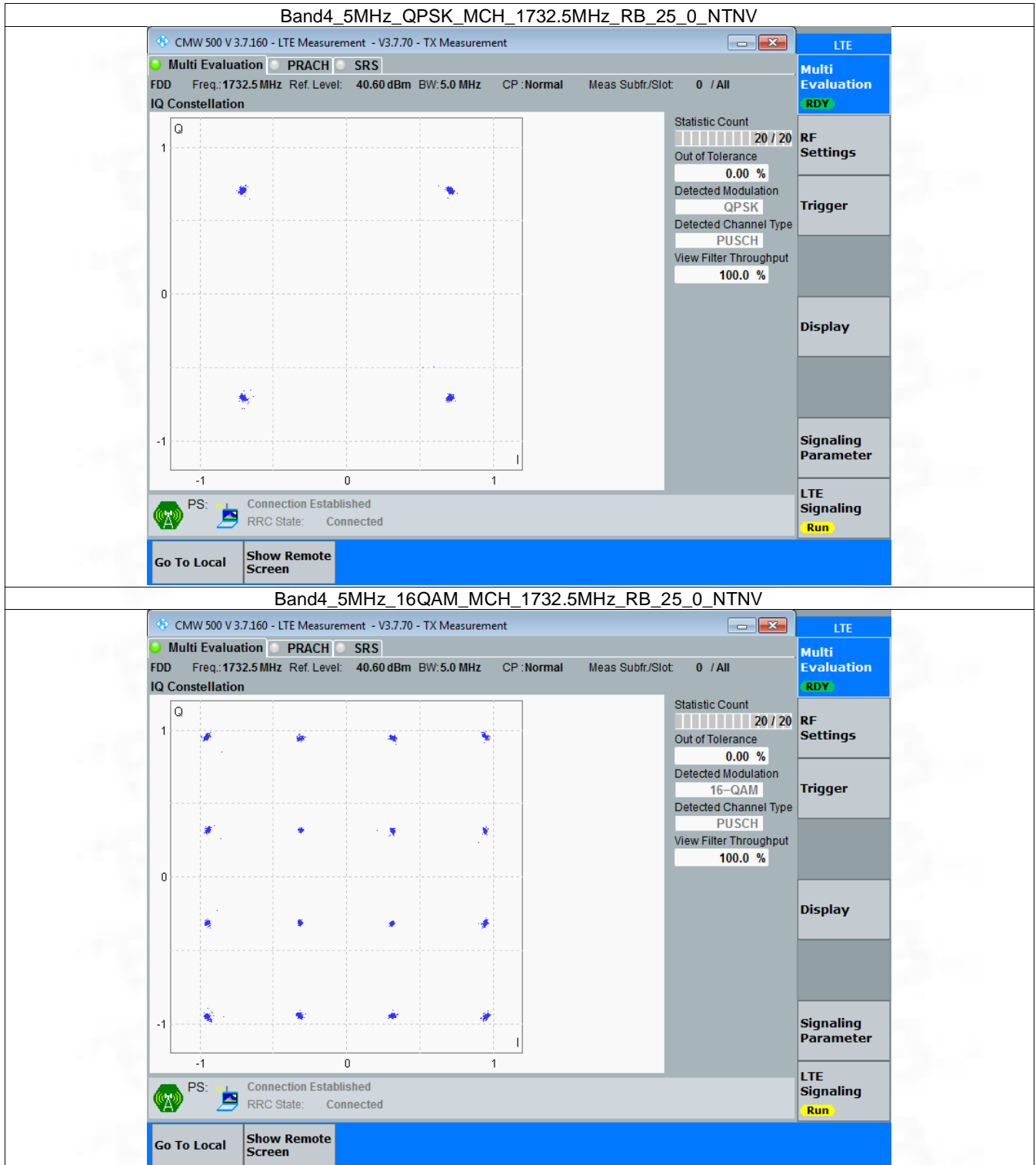


3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTV						
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

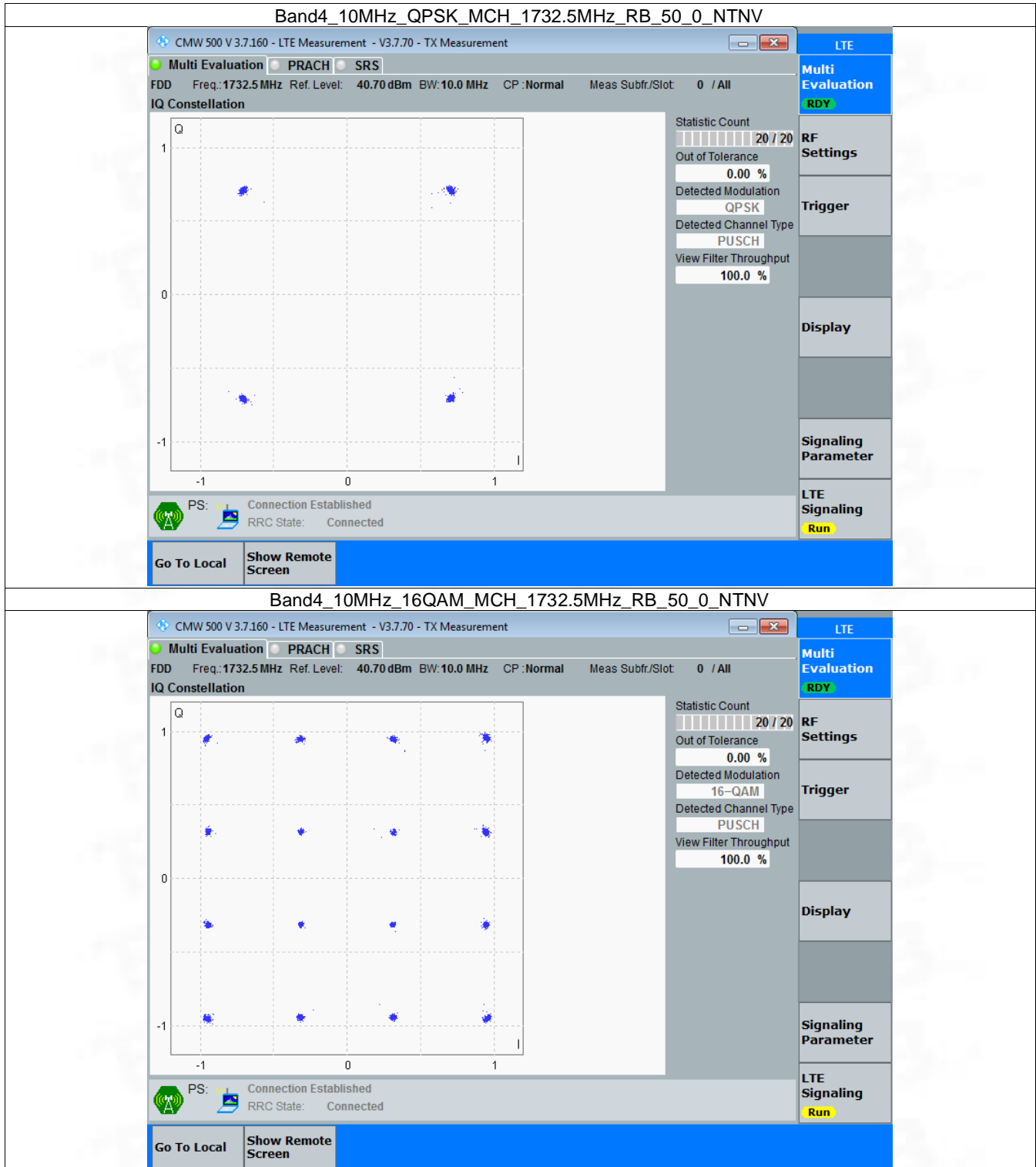


3.4 B4_10MHz

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

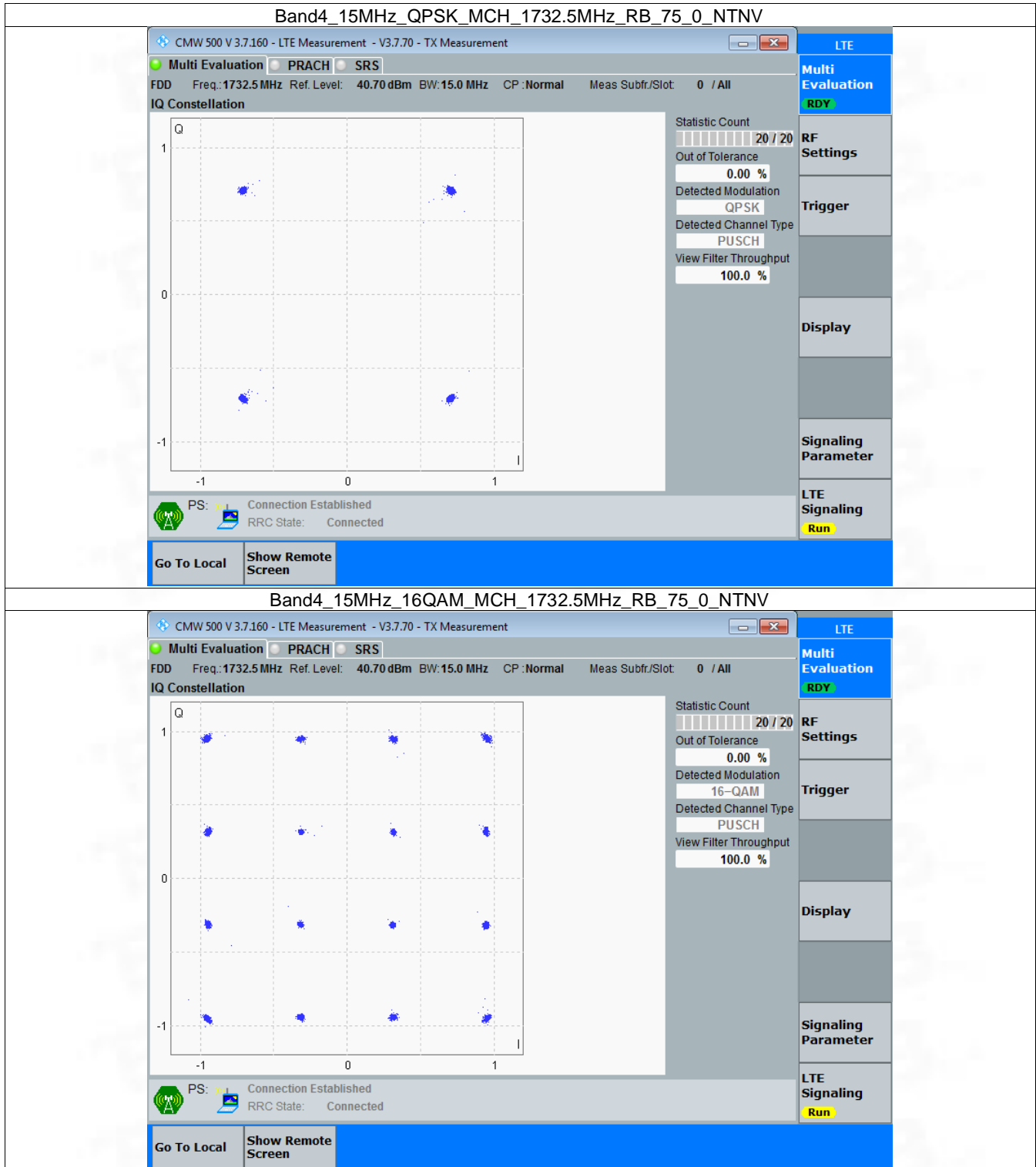


3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
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

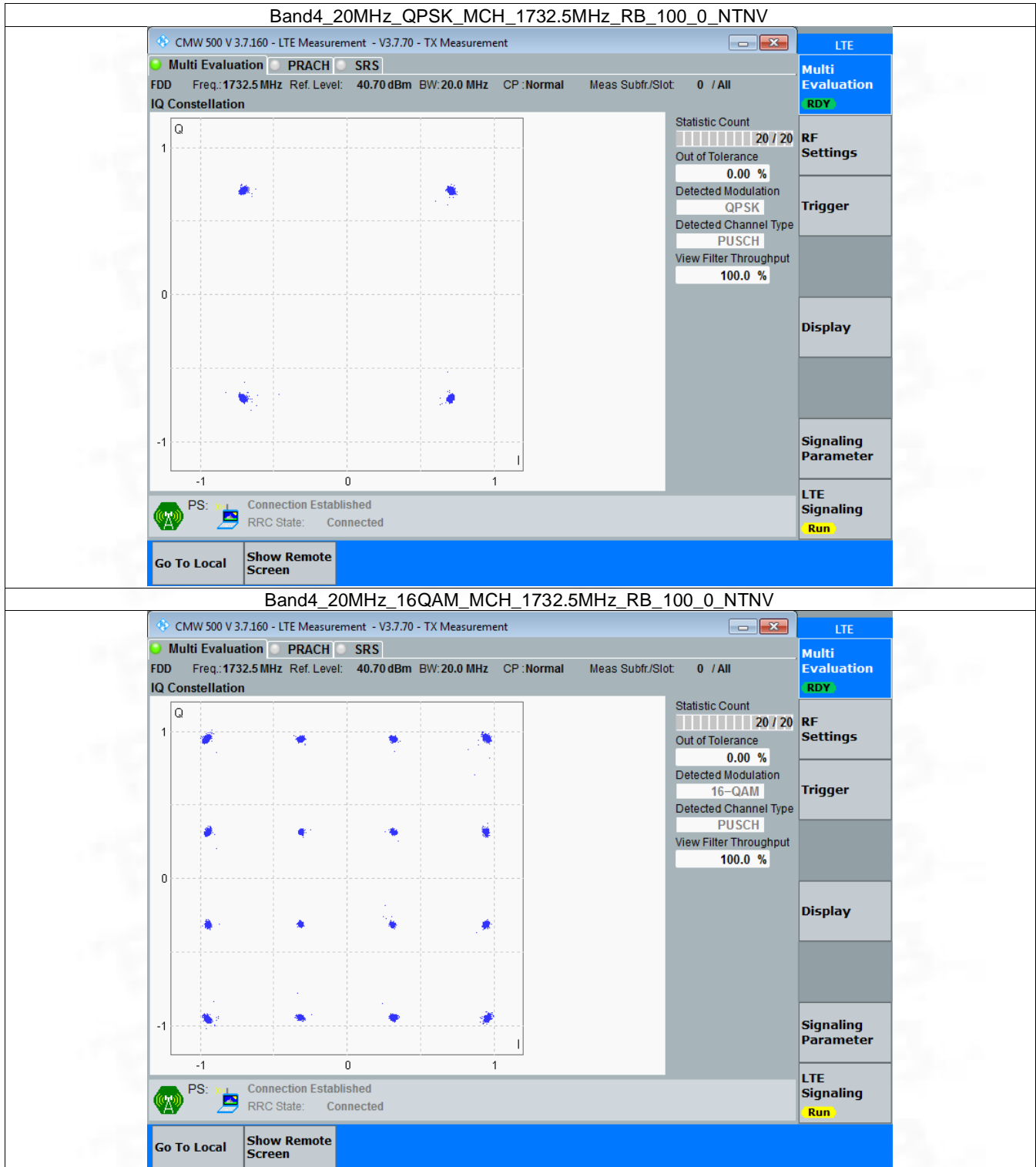


3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
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



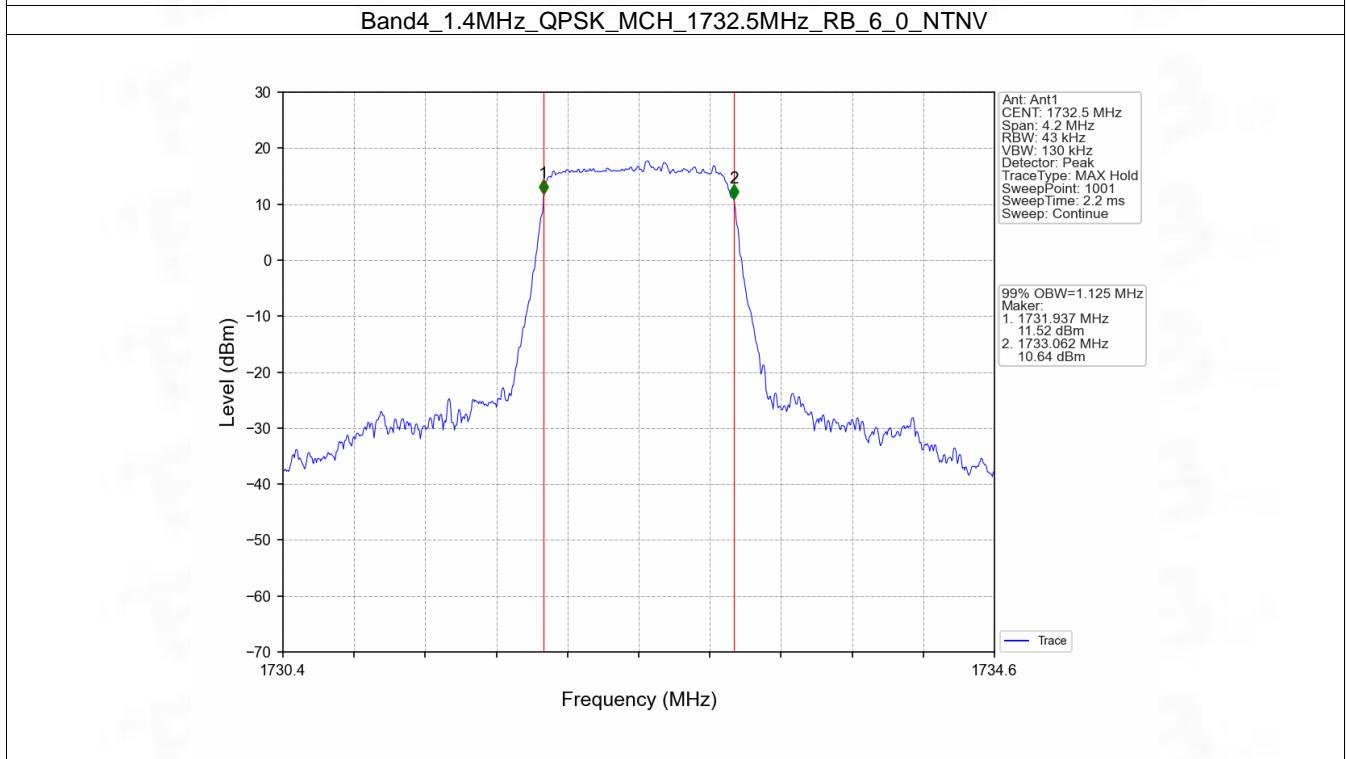
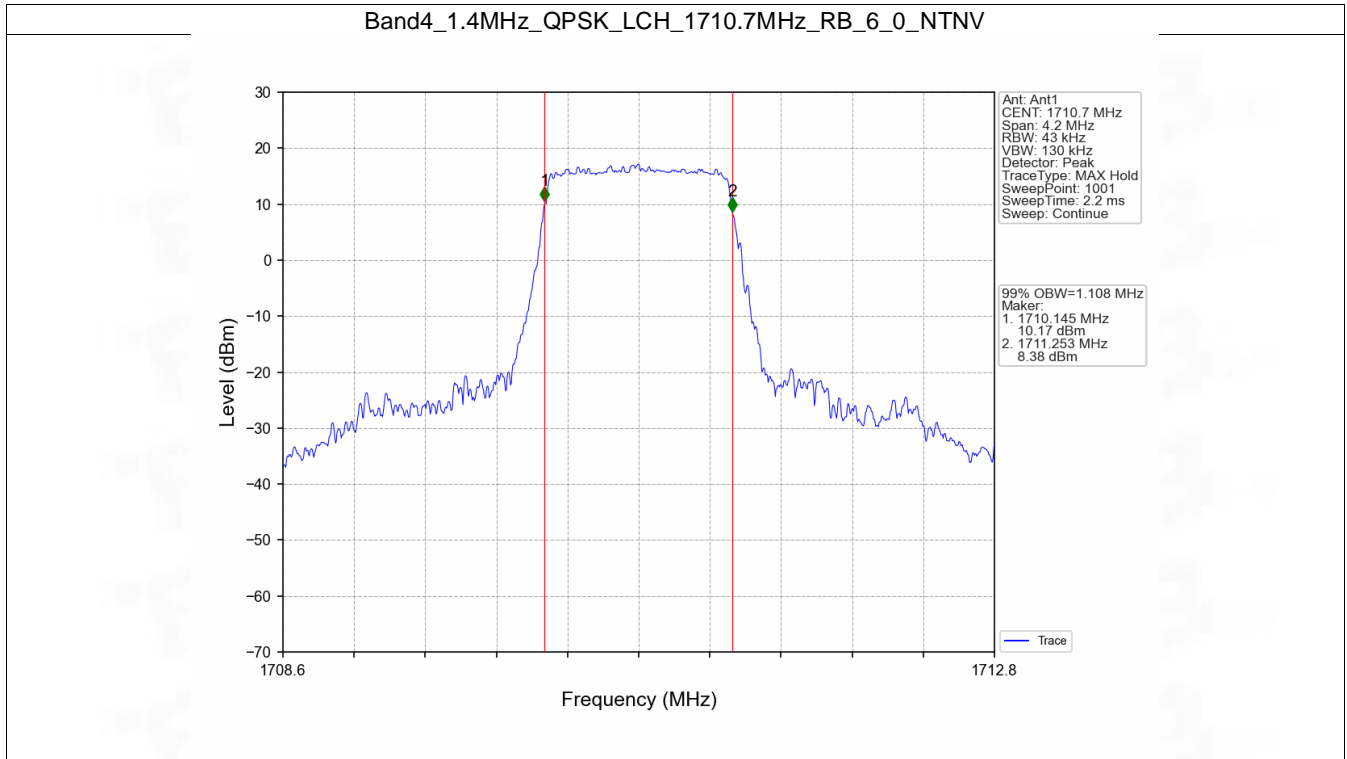
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

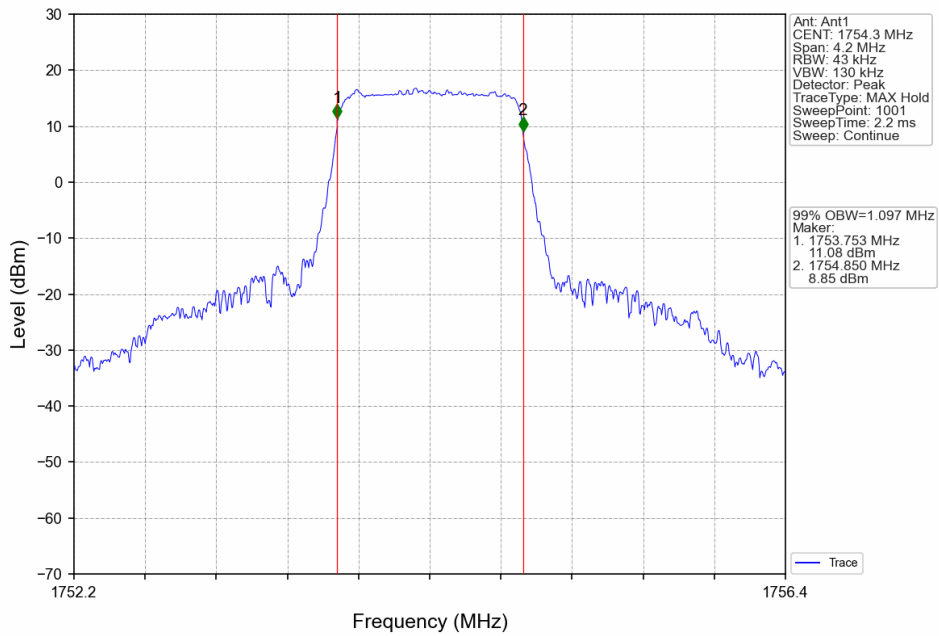
4.1.1 Test Result

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	1.108	Pass
		1732.5	6	0	1.125	Pass
		1754.3	6	0	1.097	Pass
	16QAM	1710.7	6	0	1.101	Pass
		1732.5	6	0	1.101	Pass
		1754.3	6	0	1.120	Pass
3	QPSK	1711.5	15	0	2.724	Pass
		1732.5	15	0	2.726	Pass
		1753.5	15	0	2.726	Pass
	16QAM	1711.5	15	0	2.722	Pass
		1732.5	15	0	2.724	Pass
		1753.5	15	0	2.717	Pass
5	QPSK	1712.5	25	0	4.544	Pass
		1732.5	25	0	4.536	Pass
		1752.5	25	0	4.546	Pass
	16QAM	1712.5	25	0	4.529	Pass
		1732.5	25	0	4.542	Pass
		1752.5	25	0	4.545	Pass
10	QPSK	1715	50	0	9.048	Pass
		1732.5	50	0	9.025	Pass
		1750	50	0	9.082	Pass
	16QAM	1715	50	0	9.070	Pass
		1732.5	50	0	9.044	Pass
		1750	50	0	9.050	Pass
15	QPSK	1717.5	75	0	13.583	Pass
		1732.5	75	0	13.553	Pass
		1747.5	75	0	13.564	Pass
	16QAM	1717.5	75	0	13.608	Pass
		1732.5	75	0	13.576	Pass
		1747.5	75	0	13.606	Pass
20	QPSK	1720	100	0	18.092	Pass
		1732.5	100	0	18.107	Pass
		1745	100	0	18.134	Pass
	16QAM	1720	100	0	18.114	Pass
		1732.5	100	0	18.102	Pass
		1745	100	0	18.116	Pass

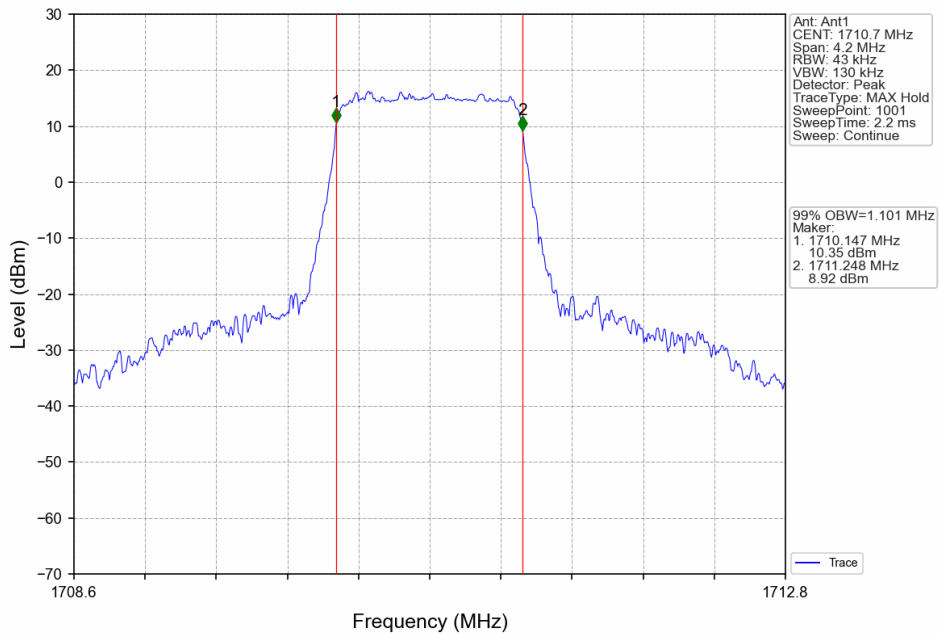
4.1.2 Test Graph



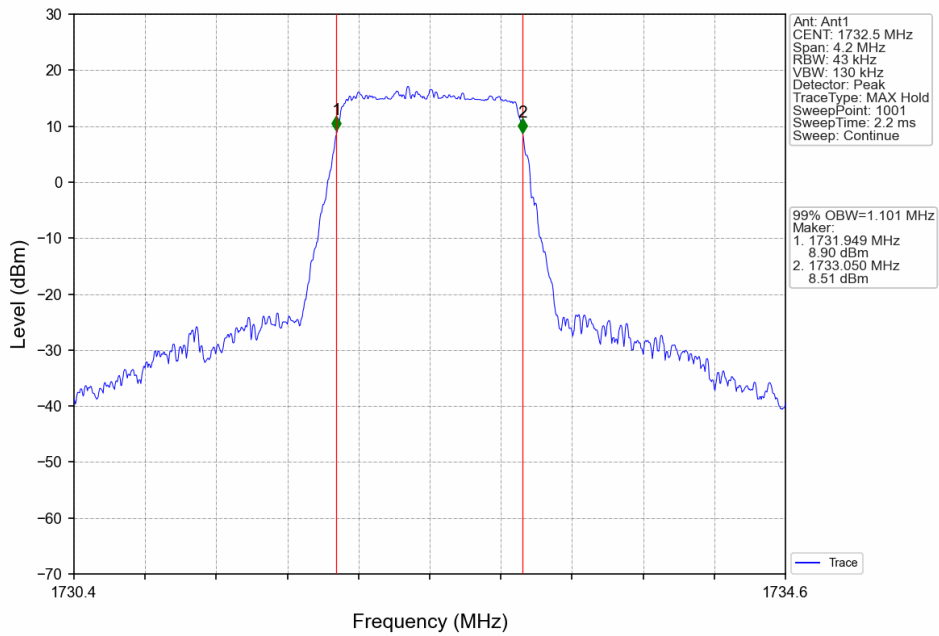
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



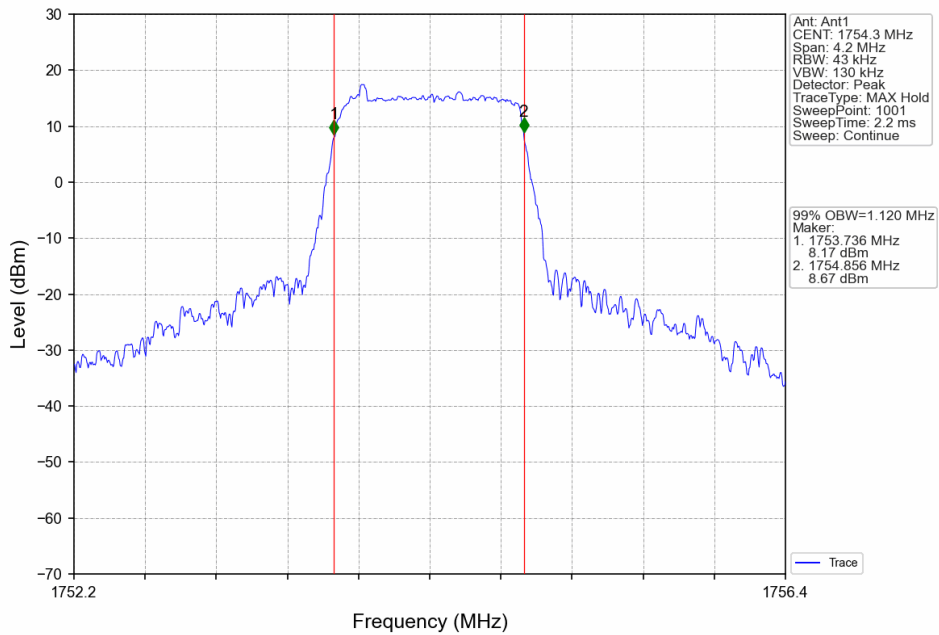
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



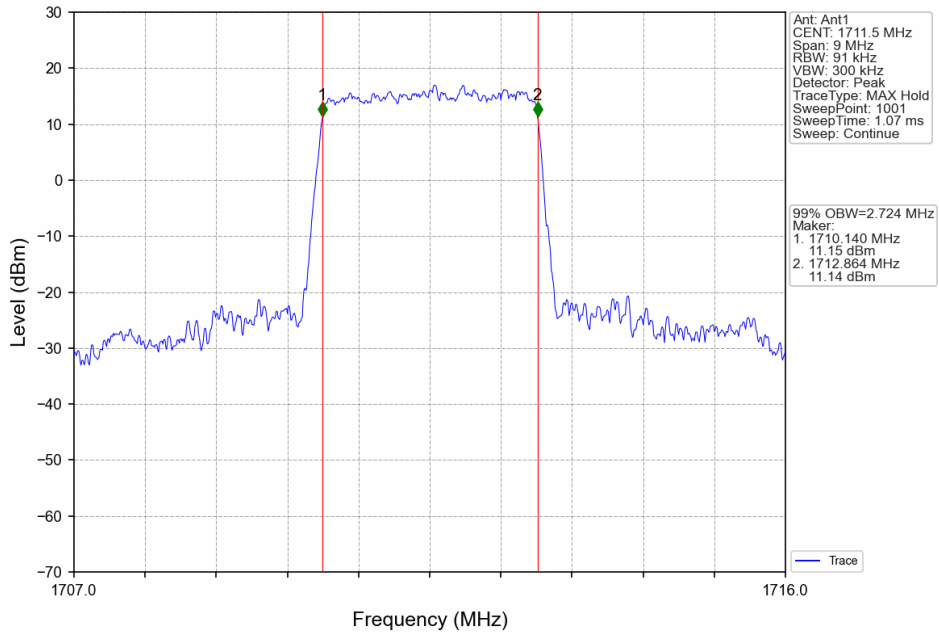
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



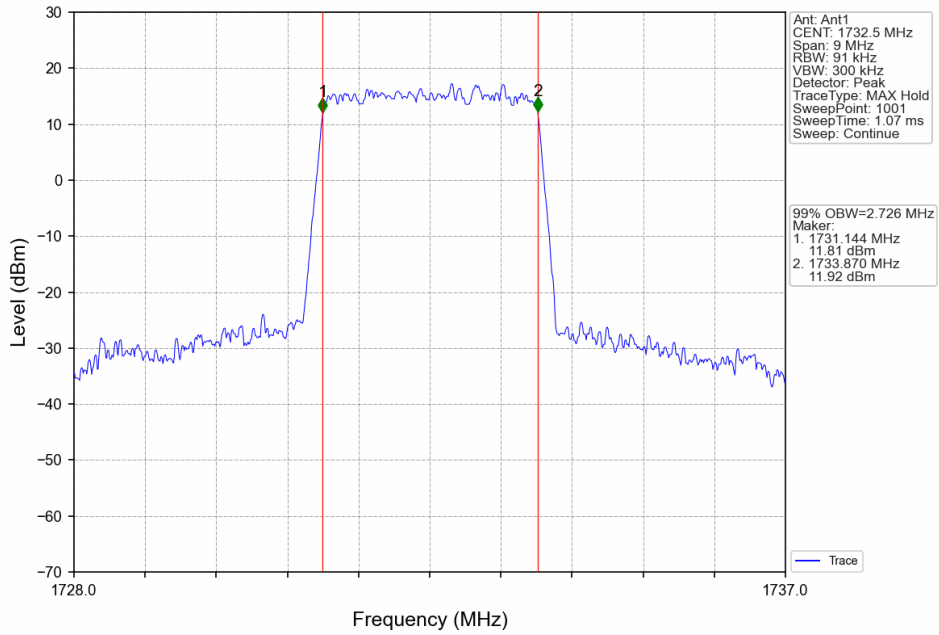
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



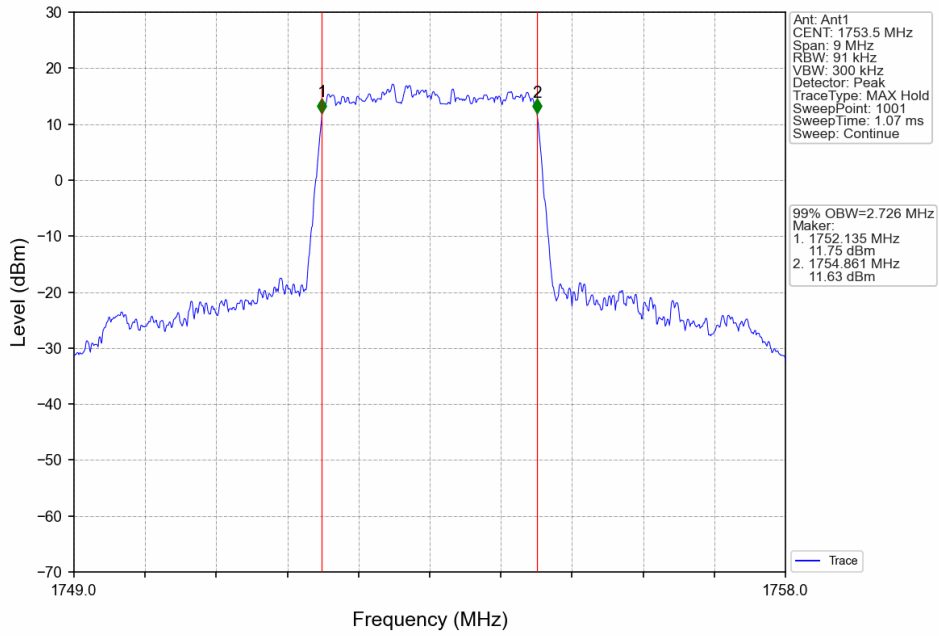
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



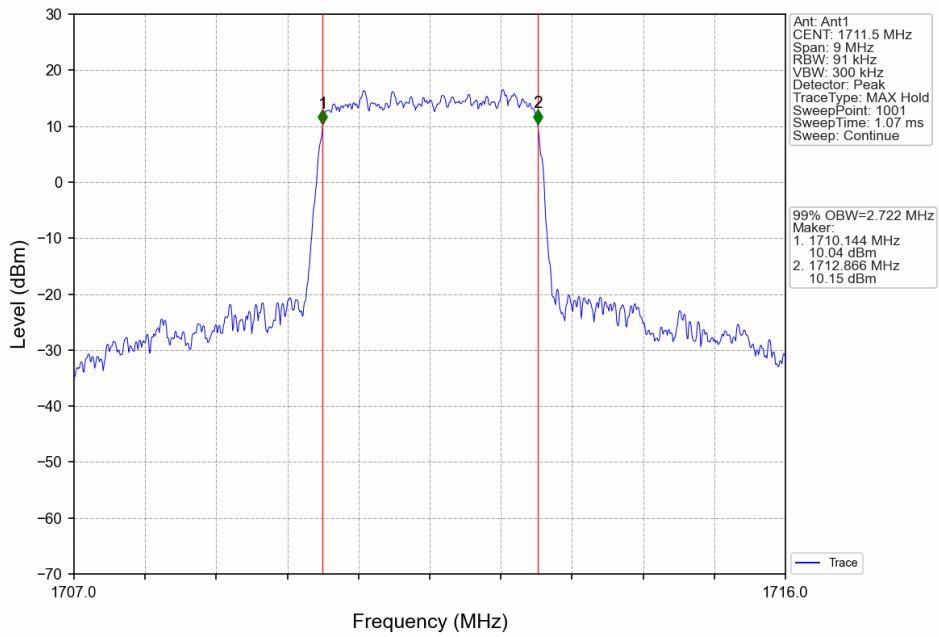
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



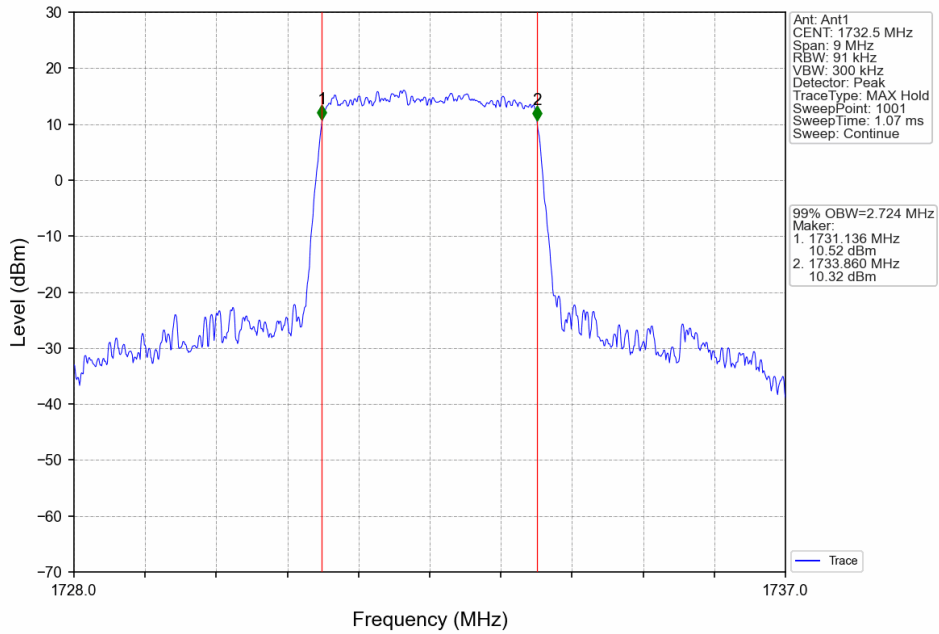
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



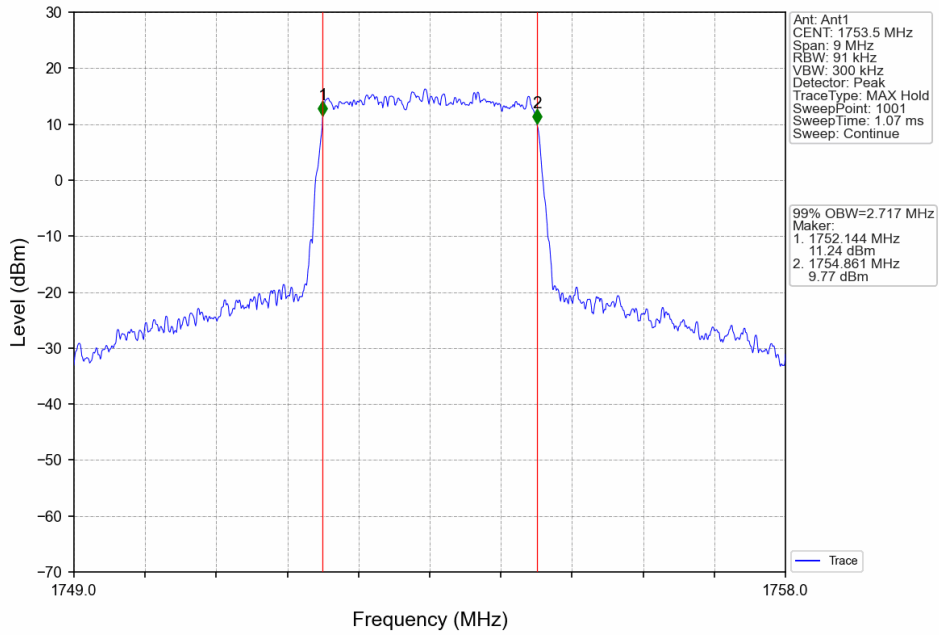
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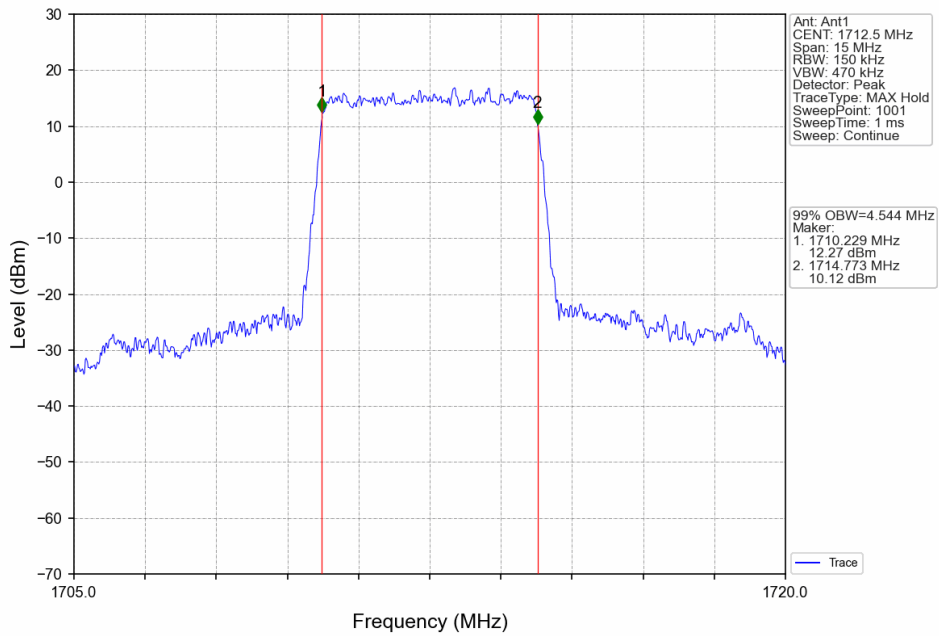
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



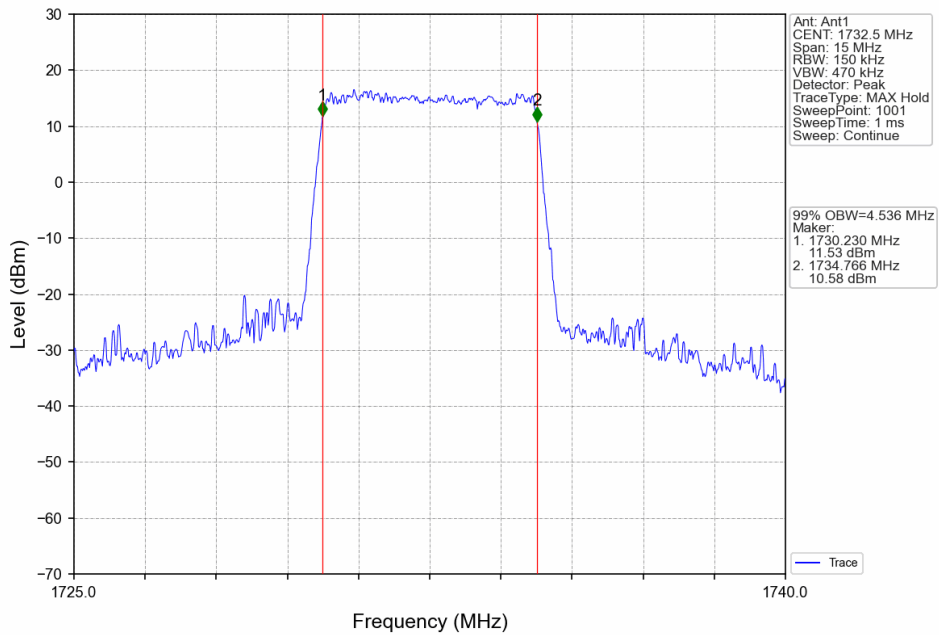
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



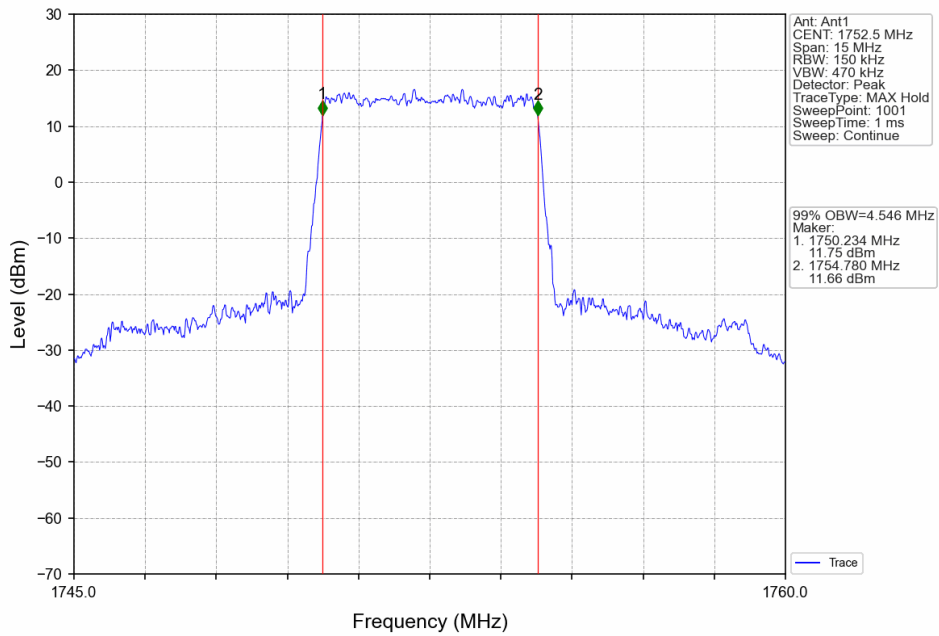
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



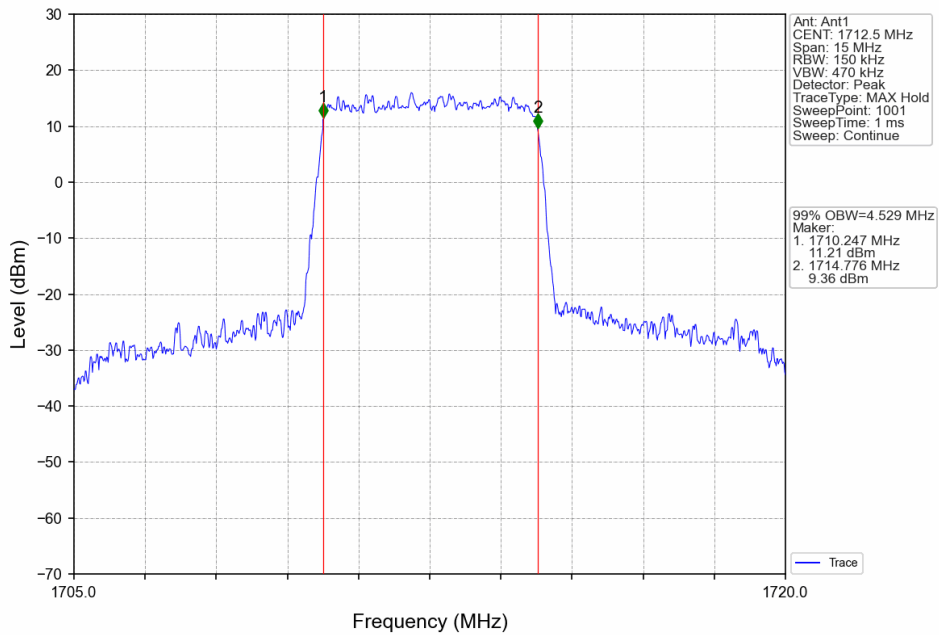
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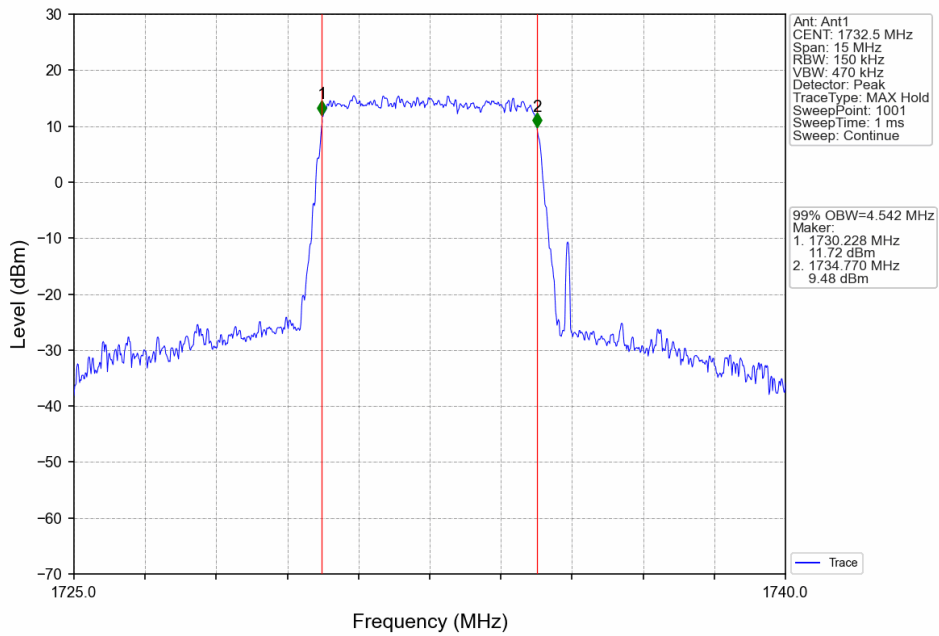
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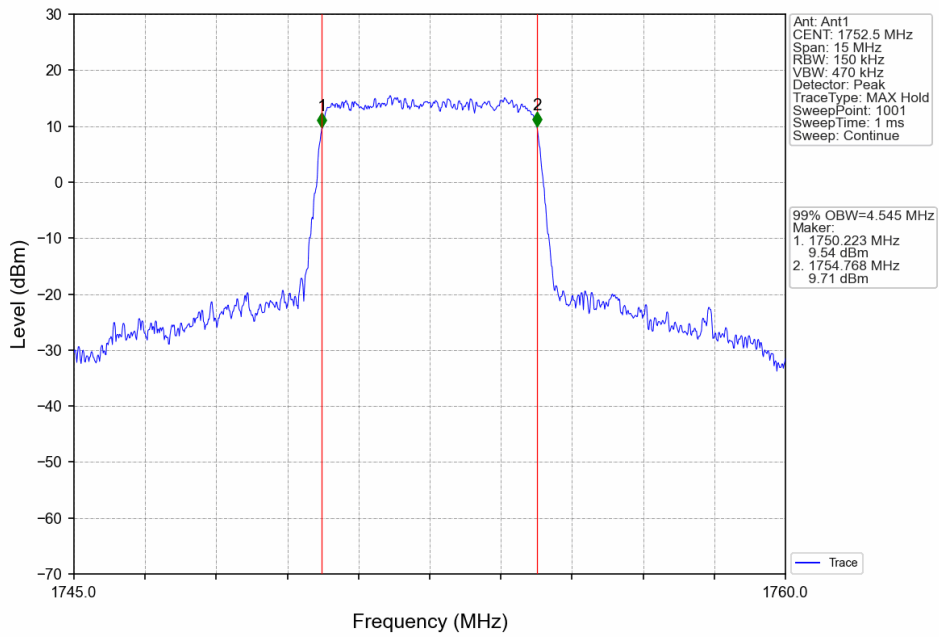
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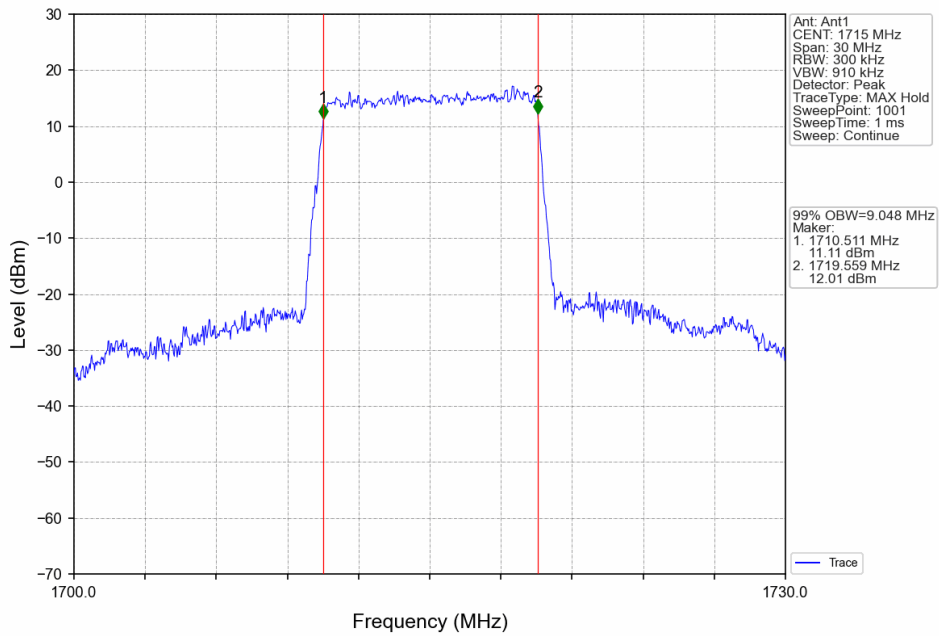
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



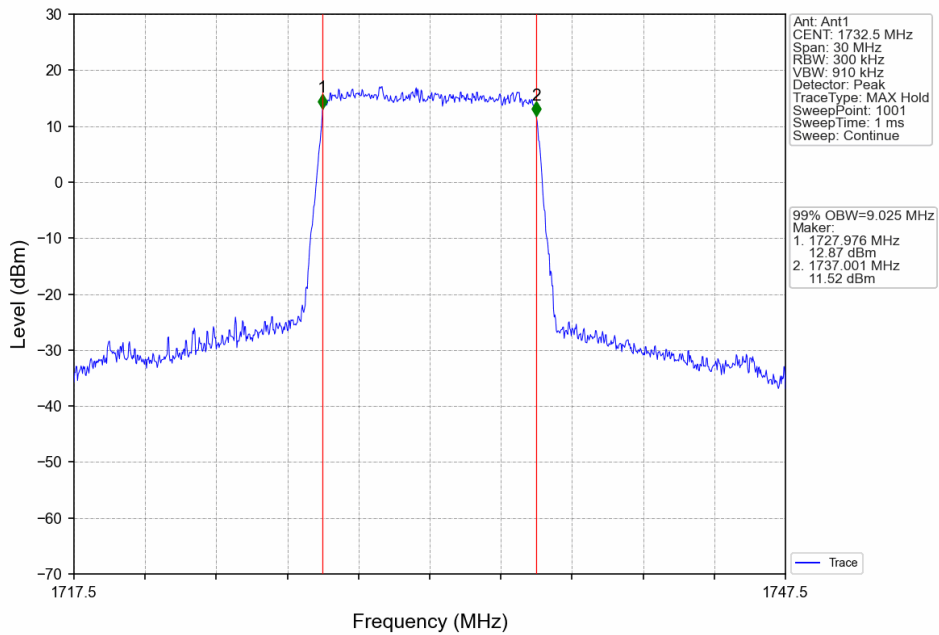
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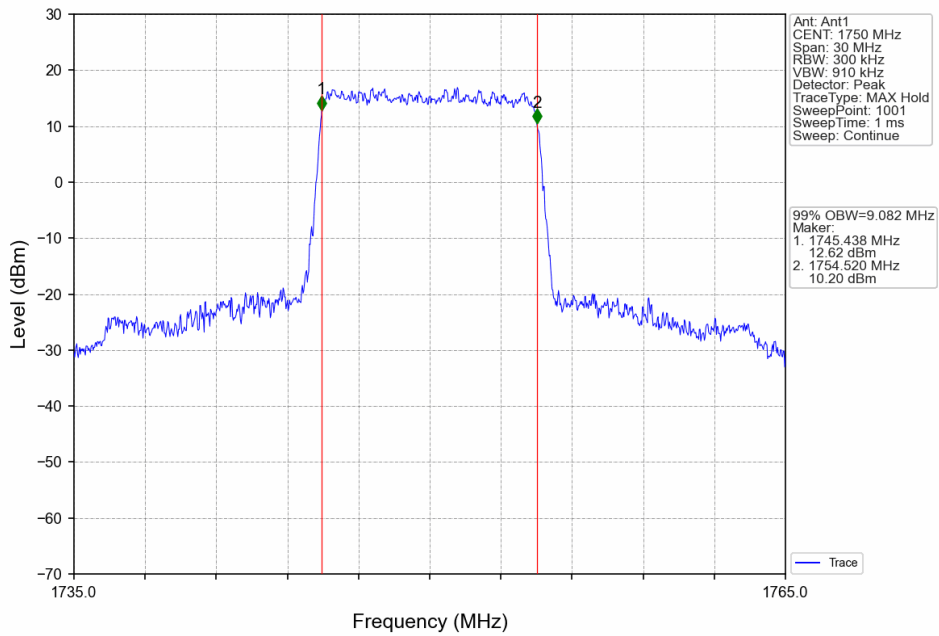
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



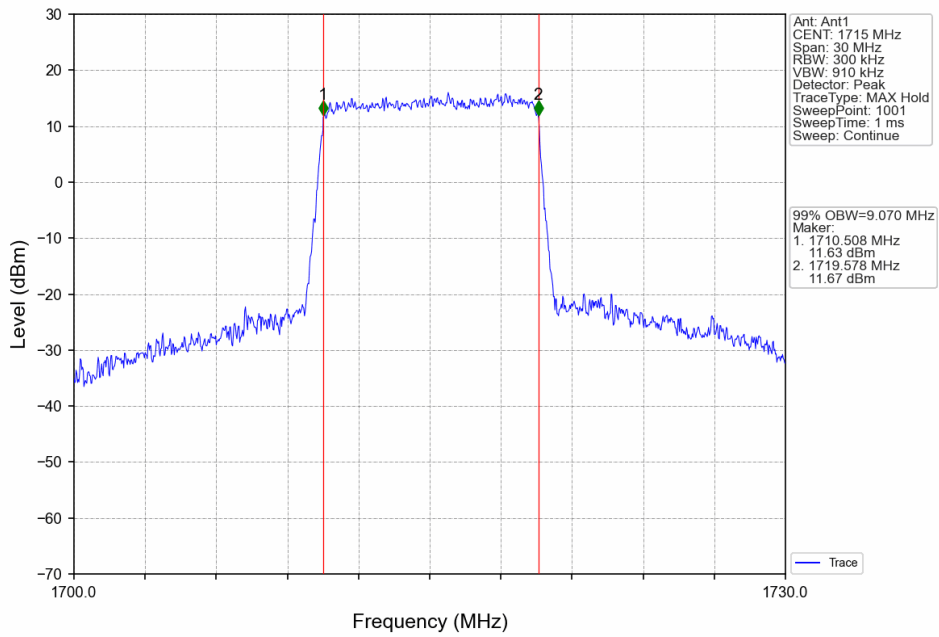
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



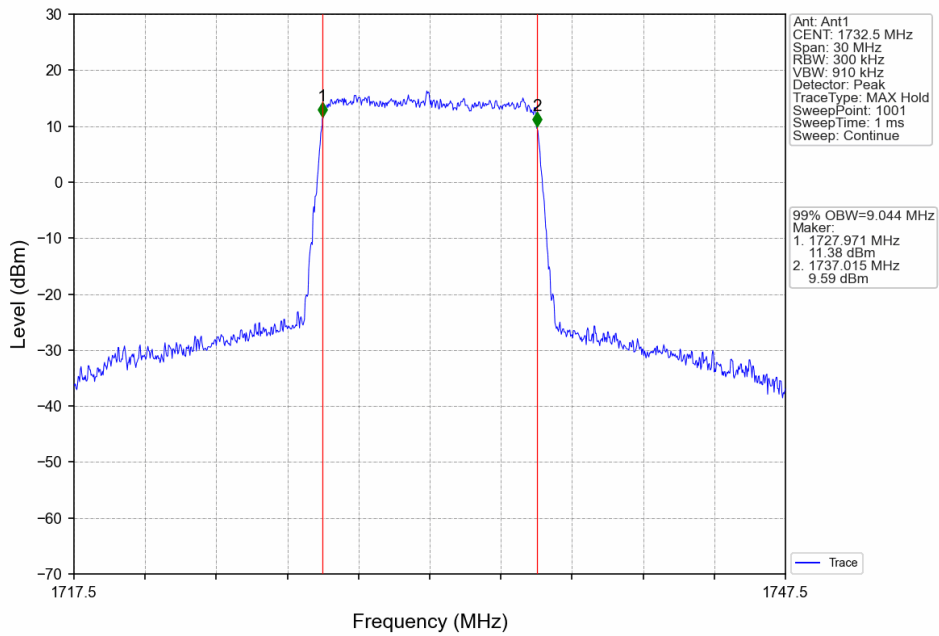
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



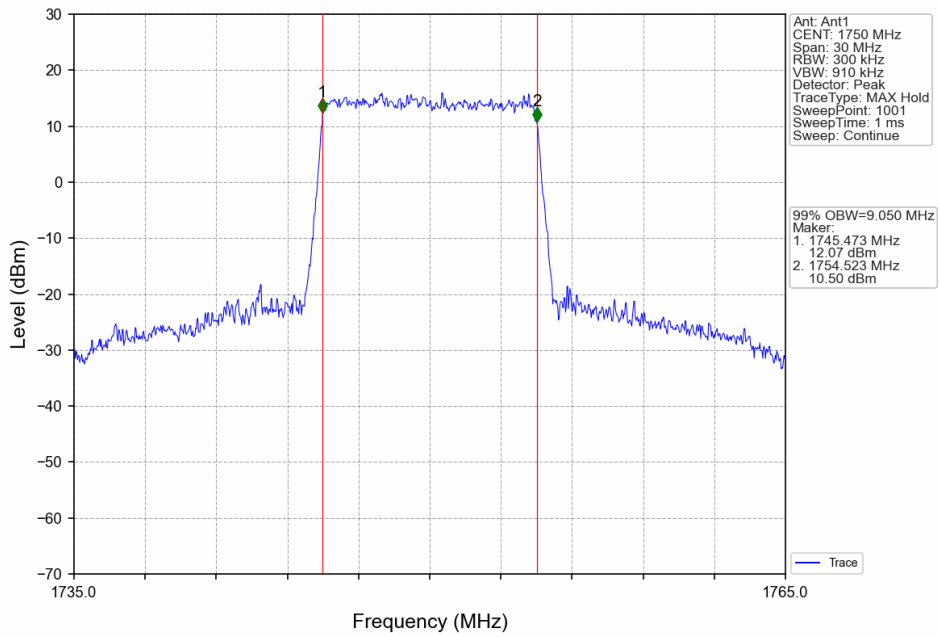
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



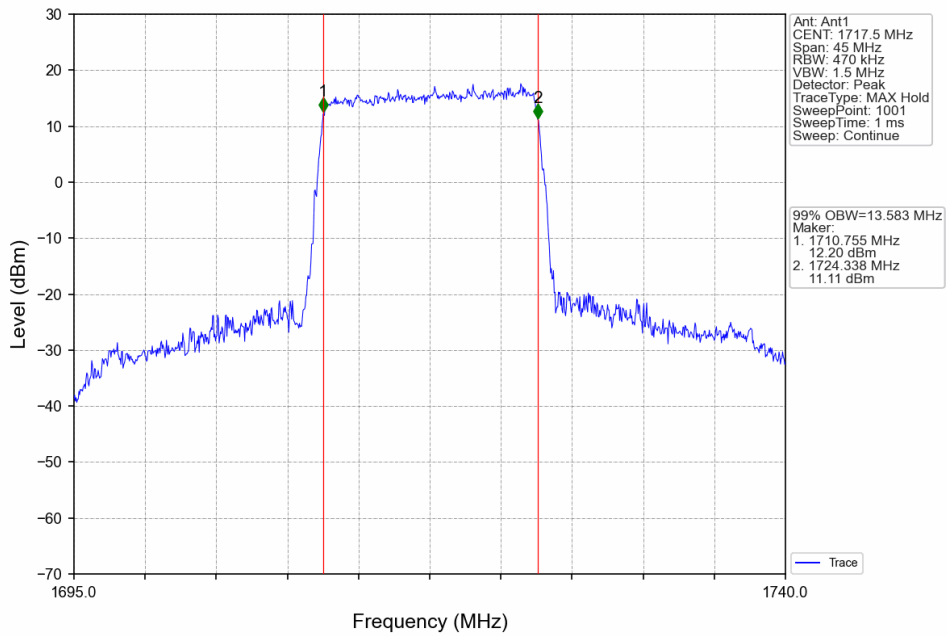
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



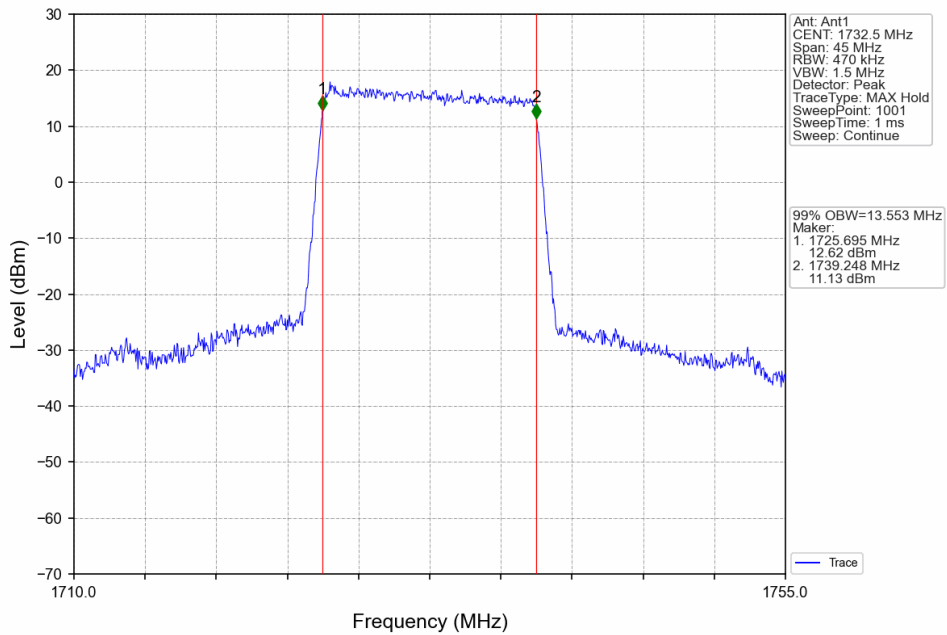
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



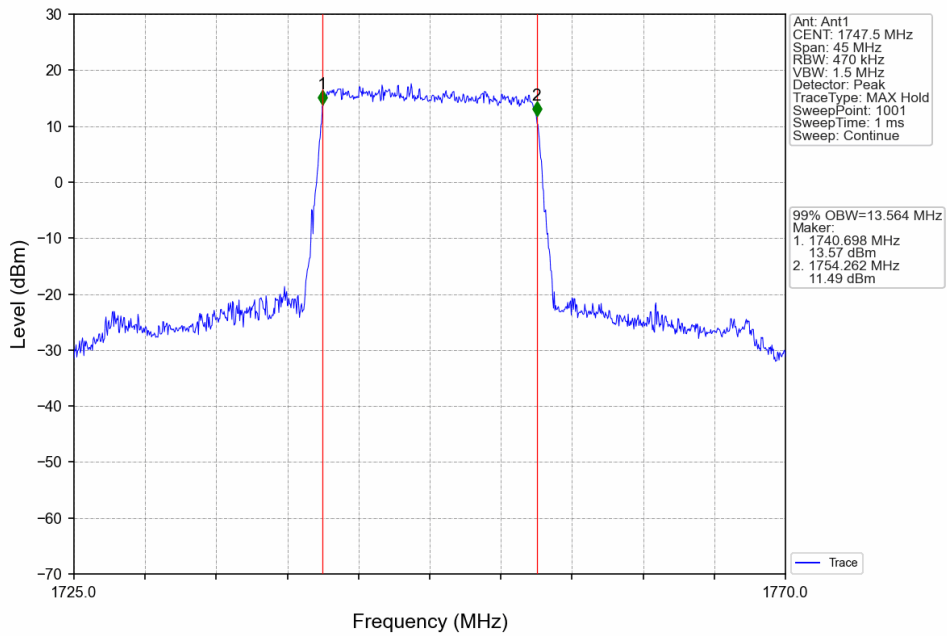
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



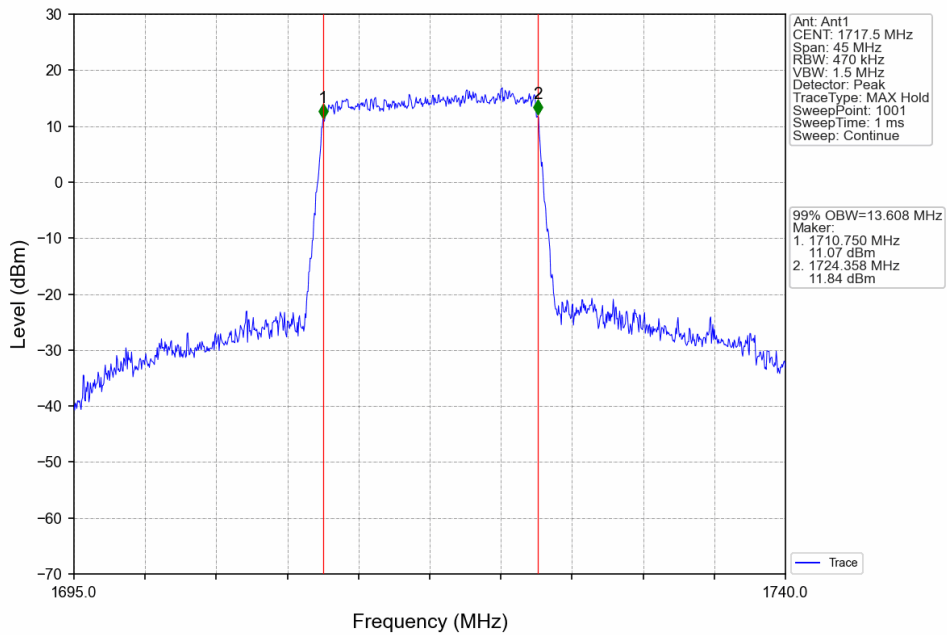
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



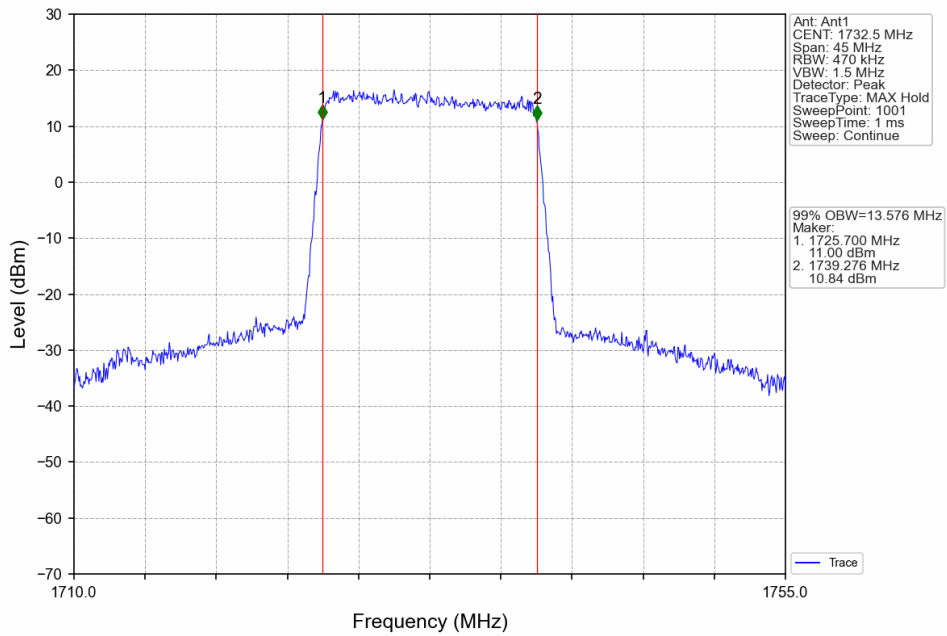
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



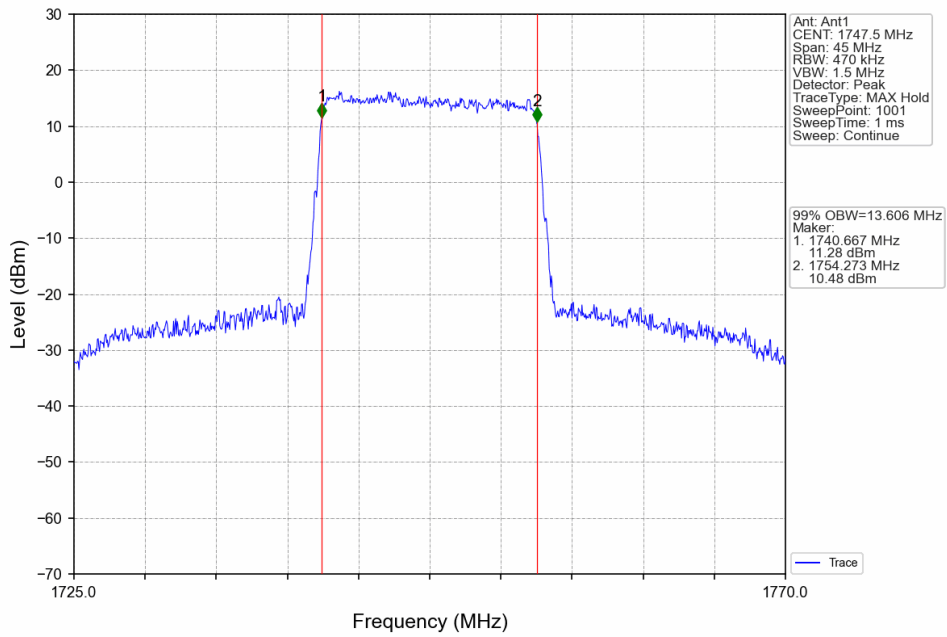
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



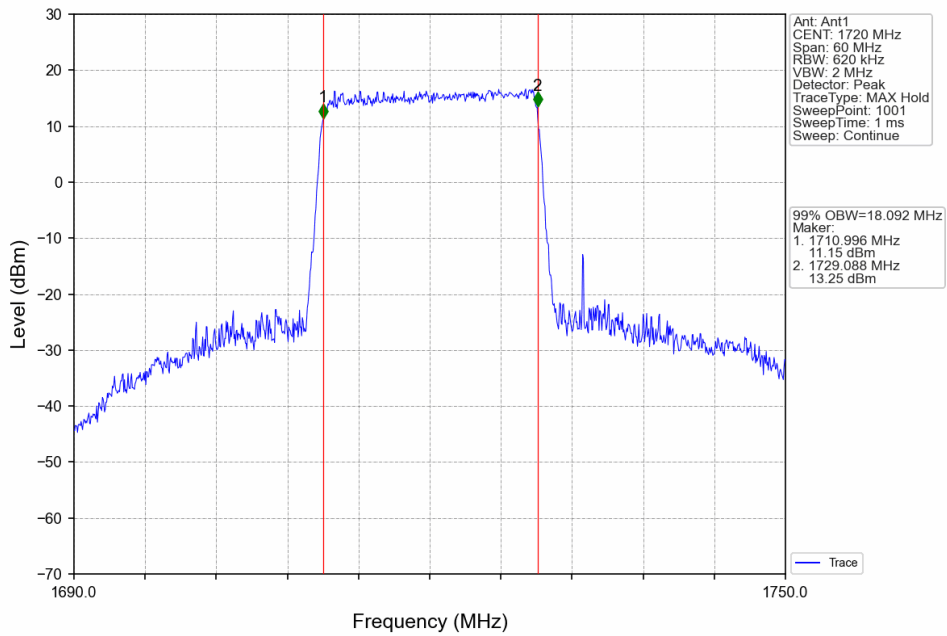
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



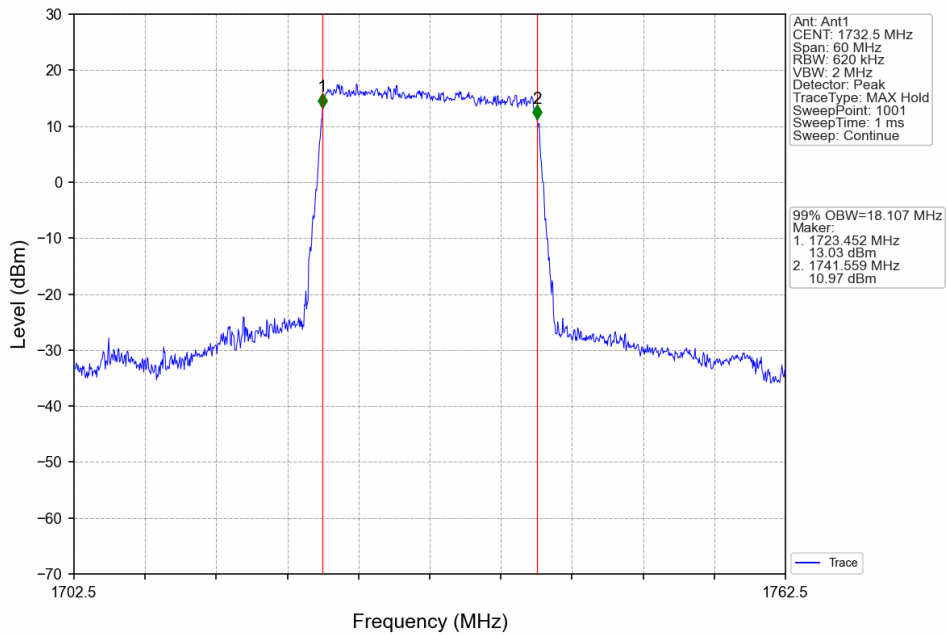
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



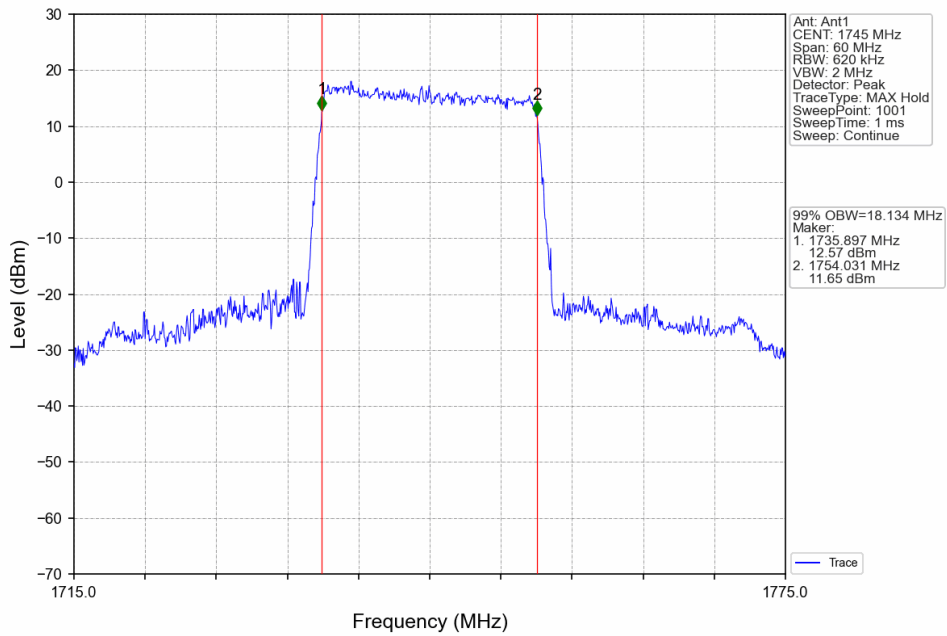
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



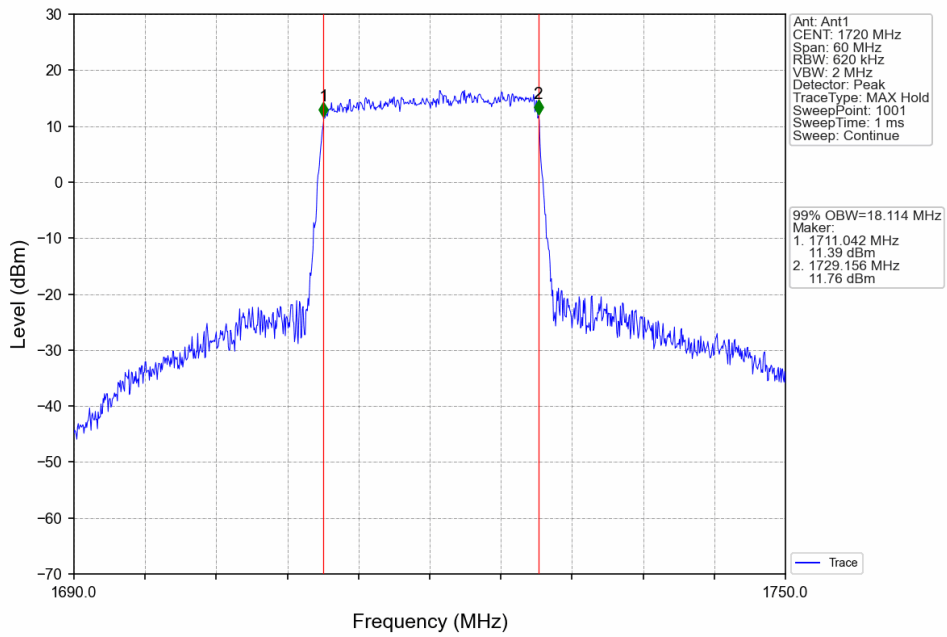
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



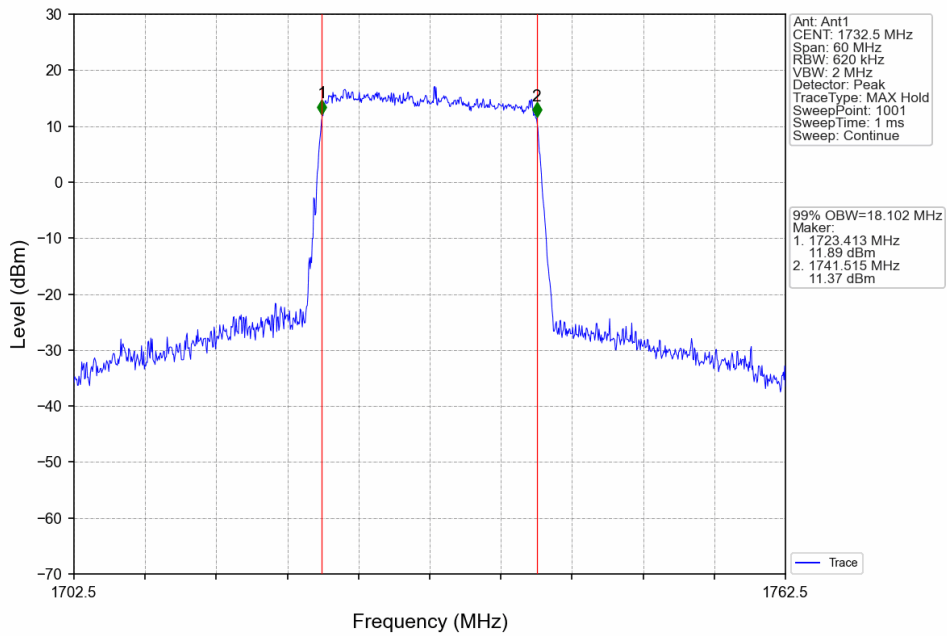
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



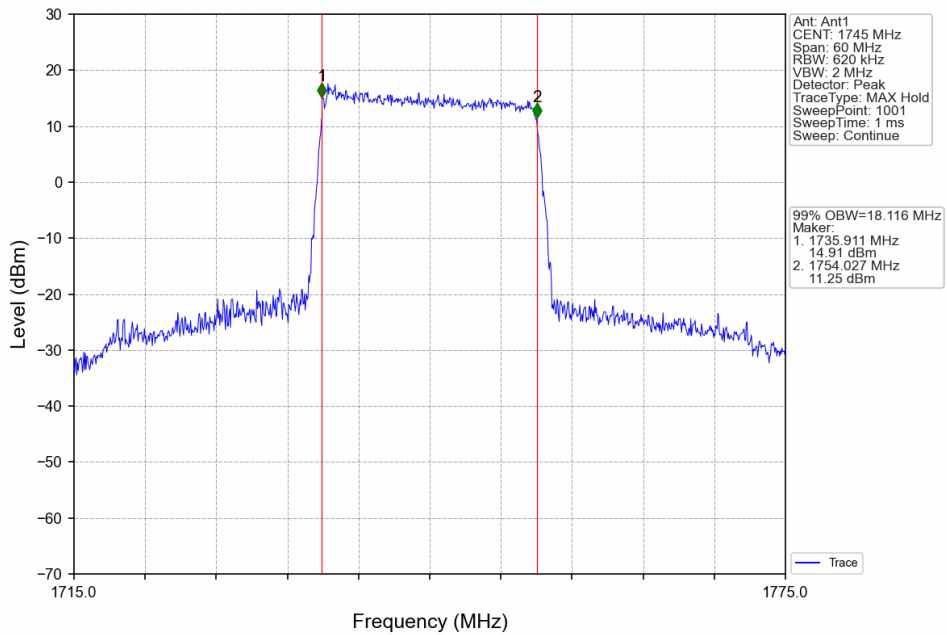
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

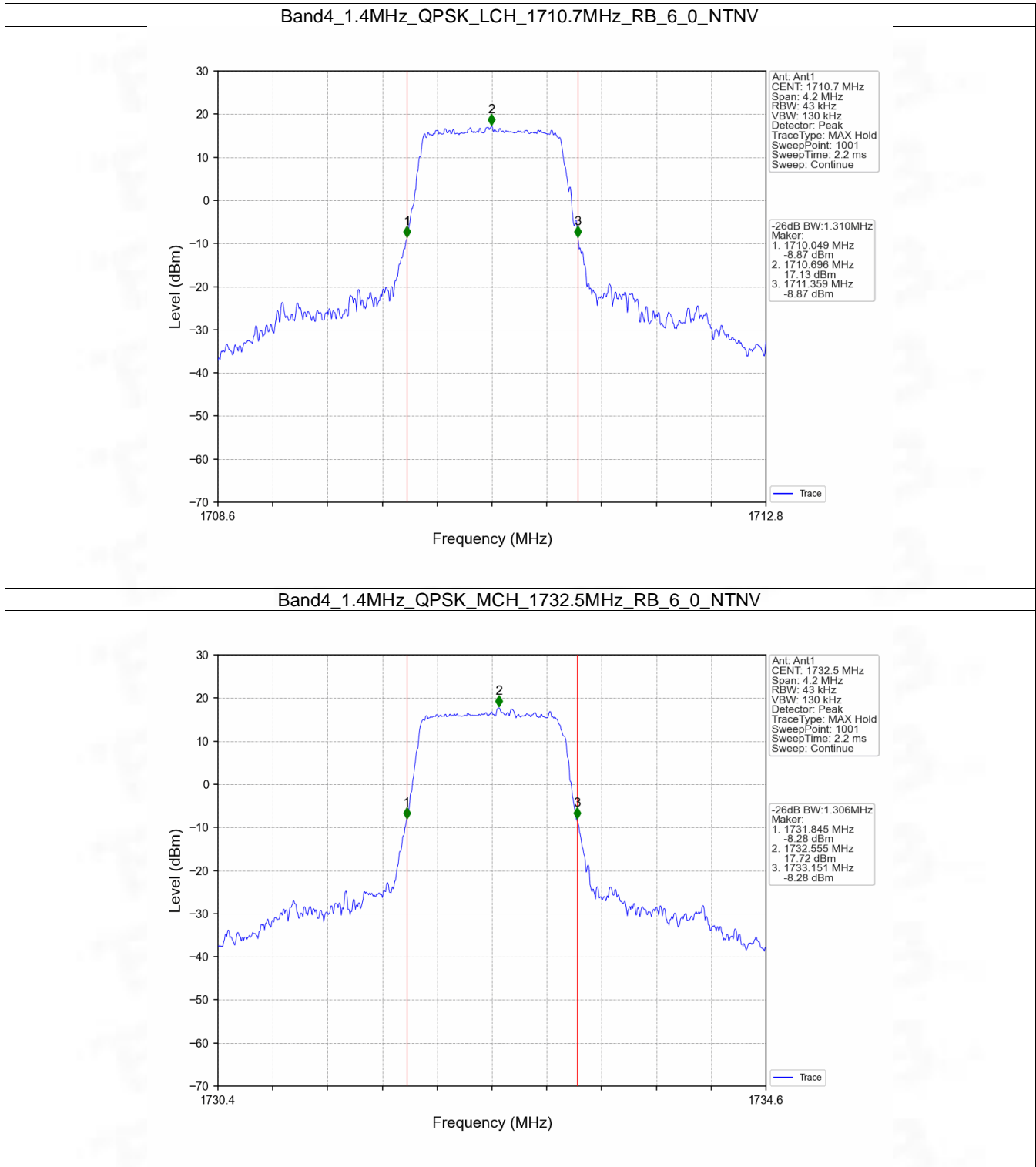


4.2 Band4_XDB

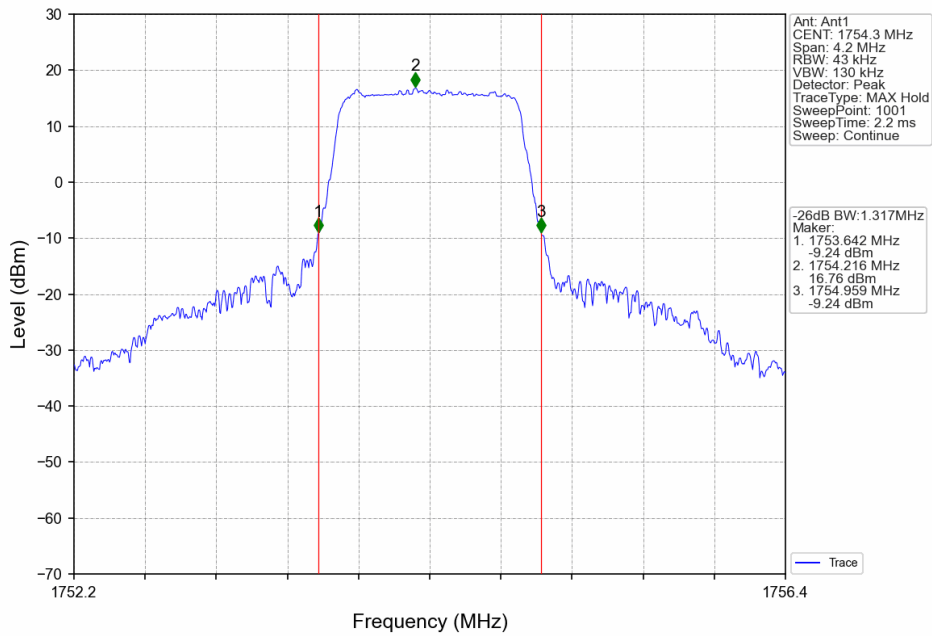
4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.310	Pass
		1732.5	6	0	1.306	Pass
		1754.3	6	0	1.317	Pass
	16QAM	1710.7	6	0	1.292	Pass
		1732.5	6	0	1.301	Pass
		1754.3	6	0	1.332	Pass
3	QPSK	1711.5	15	0	3.003	Pass
		1732.5	15	0	3.002	Pass
		1753.5	15	0	2.988	Pass
	16QAM	1711.5	15	0	2.979	Pass
		1732.5	15	0	3.006	Pass
		1753.5	15	0	2.974	Pass
5	QPSK	1712.5	25	0	5.037	Pass
		1732.5	25	0	5.011	Pass
		1752.5	25	0	4.998	Pass
	16QAM	1712.5	25	0	5.027	Pass
		1732.5	25	0	5.012	Pass
		1752.5	25	0	5.063	Pass
10	QPSK	1715	50	0	10.000	Pass
		1732.5	50	0	9.901	Pass
		1750	50	0	9.985	Pass
	16QAM	1715	50	0	9.934	Pass
		1732.5	50	0	9.876	Pass
		1750	50	0	9.943	Pass
15	QPSK	1717.5	75	0	14.853	Pass
		1732.5	75	0	14.771	Pass
		1747.5	75	0	14.906	Pass
	16QAM	1717.5	75	0	14.883	Pass
		1732.5	75	0	14.838	Pass
		1747.5	75	0	14.879	Pass
20	QPSK	1720	100	0	19.604	Pass
		1732.5	100	0	19.756	Pass
		1745	100	0	19.742	Pass
	16QAM	1720	100	0	19.655	Pass
		1732.5	100	0	19.626	Pass
		1745	100	0	19.701	Pass

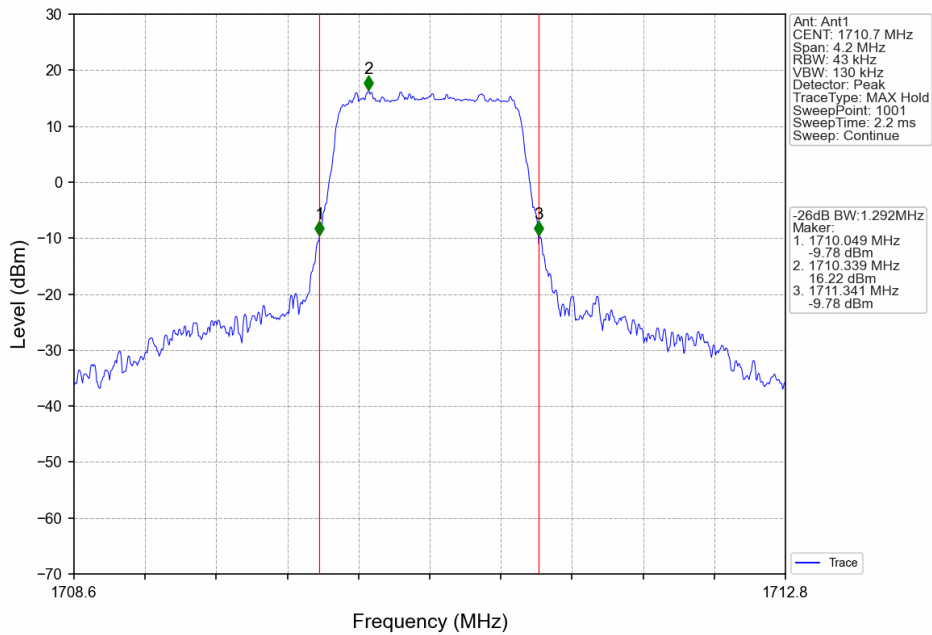
4.2.2 Test Graph



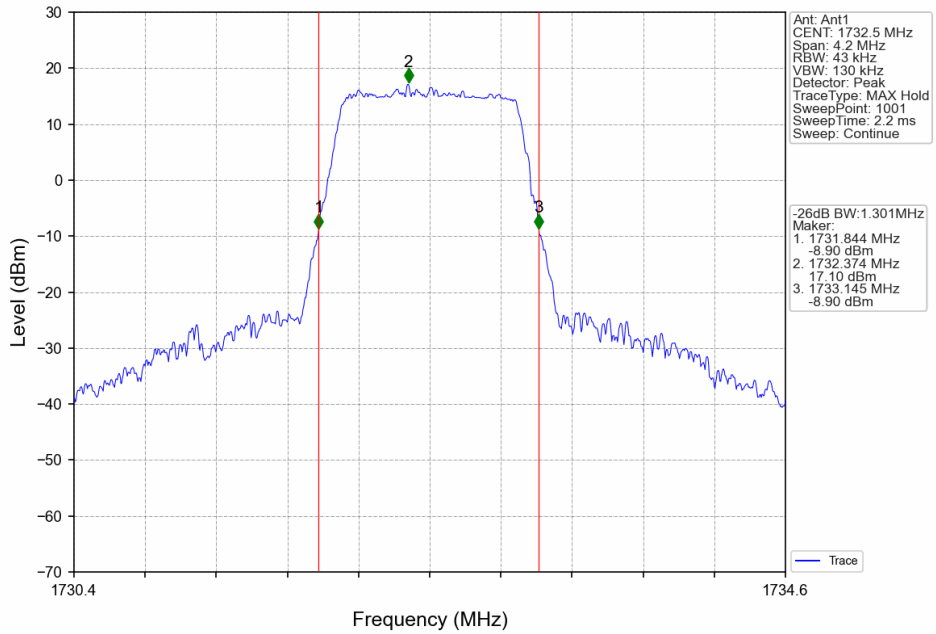
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



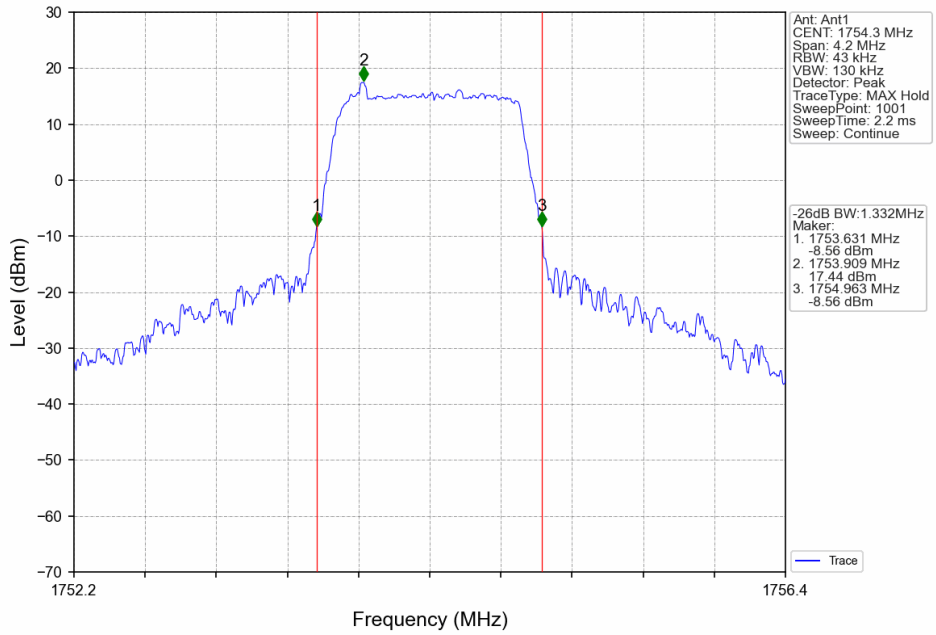
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



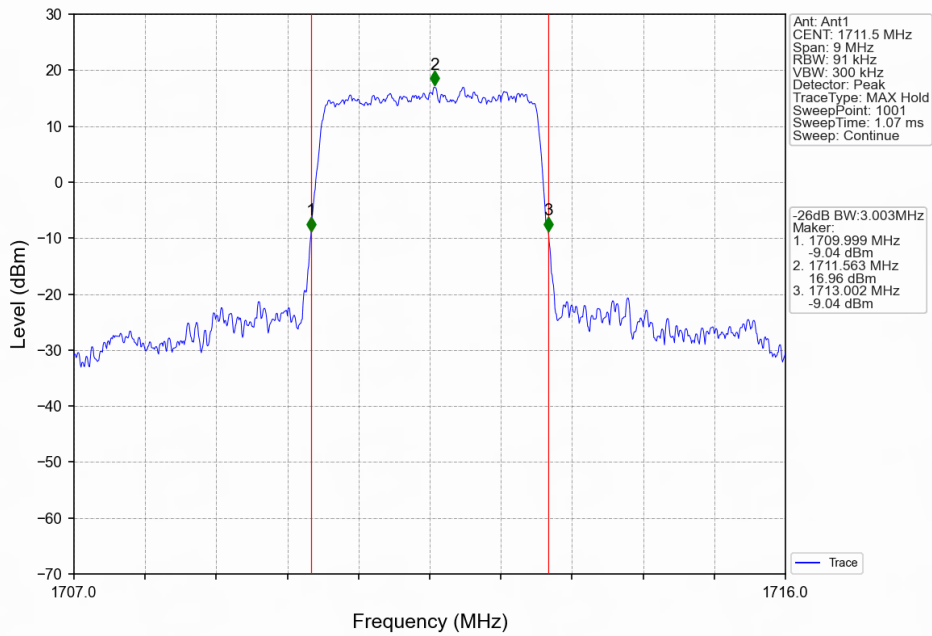
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



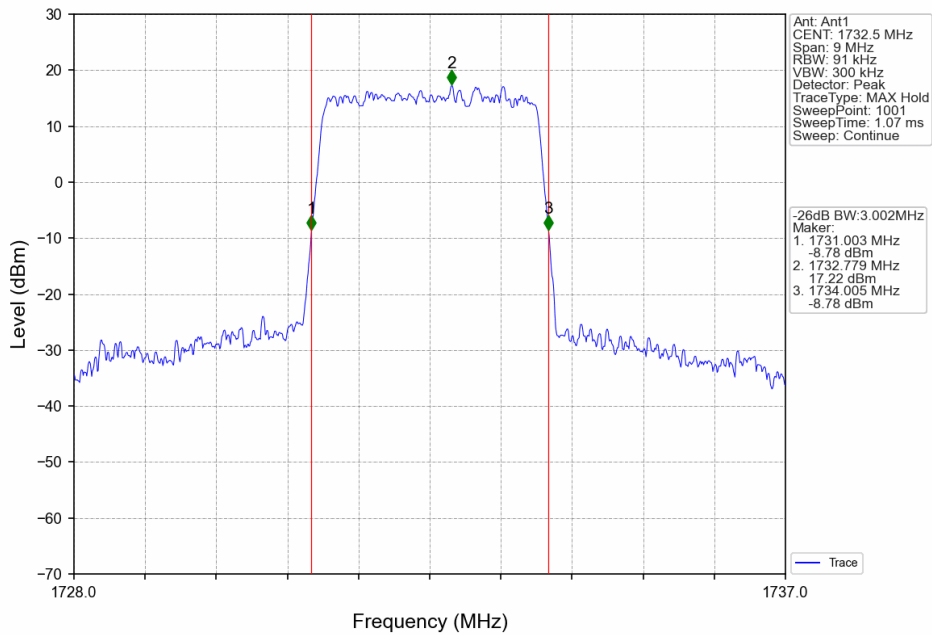
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



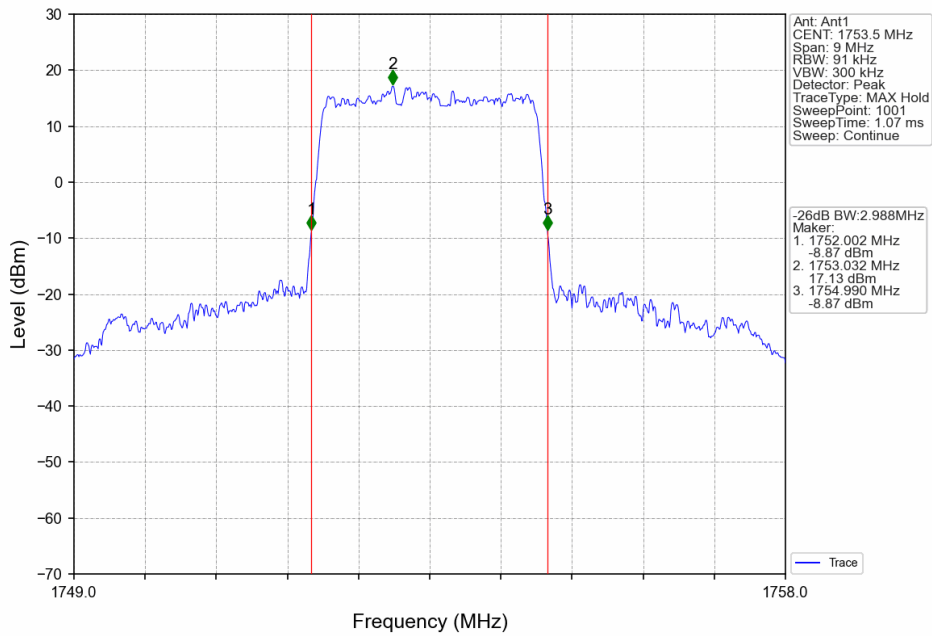
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



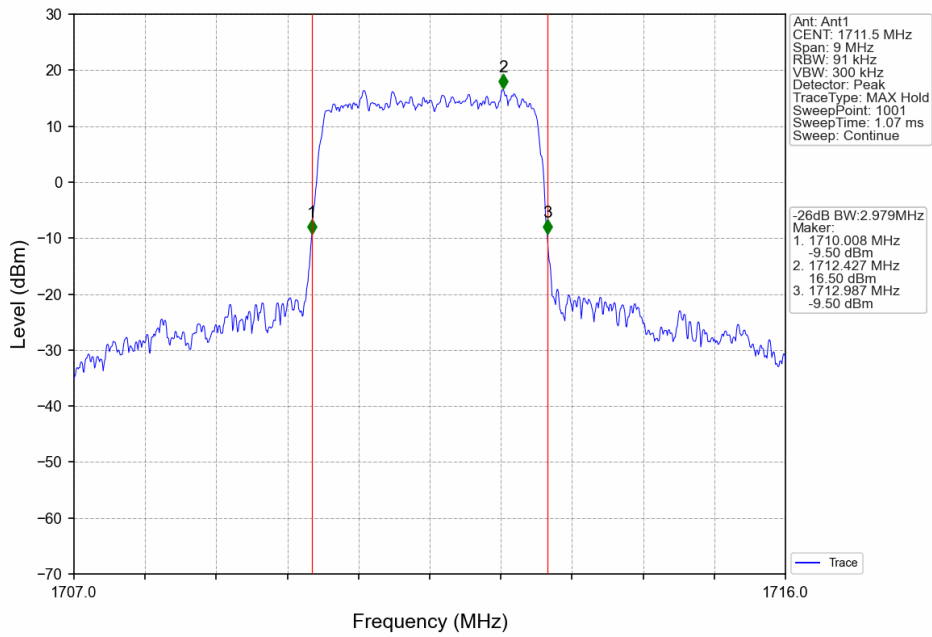
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



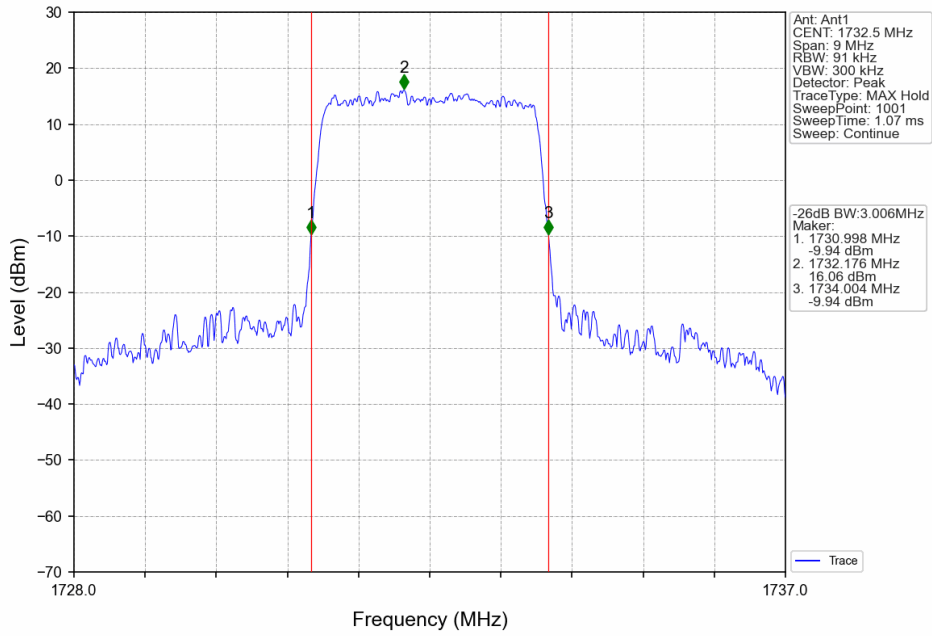
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



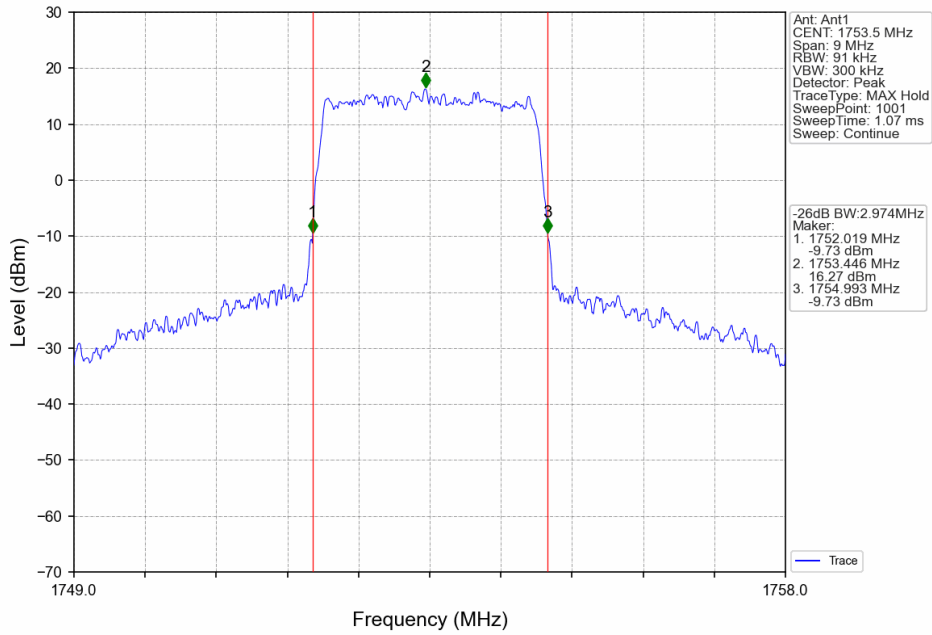
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



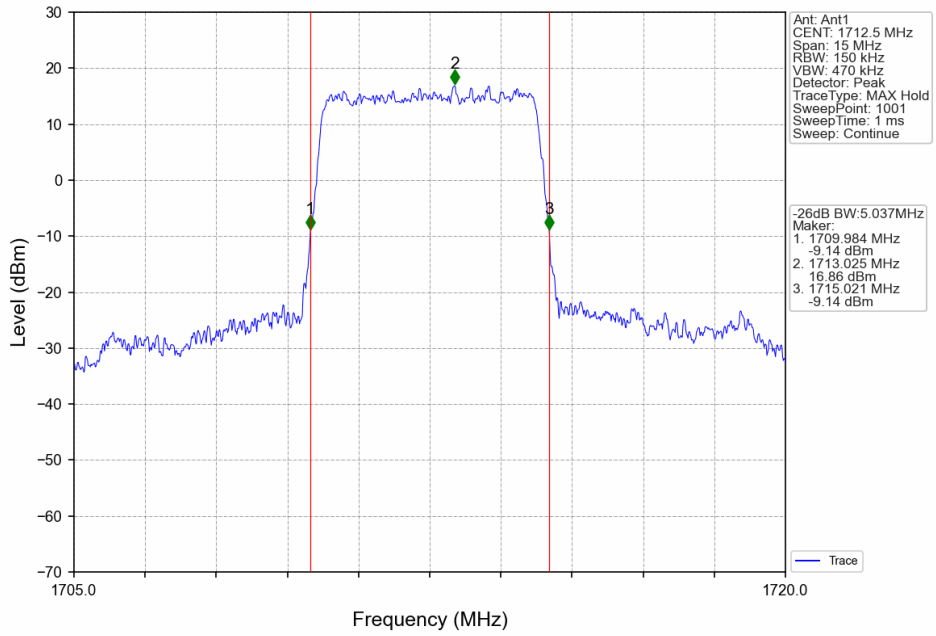
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



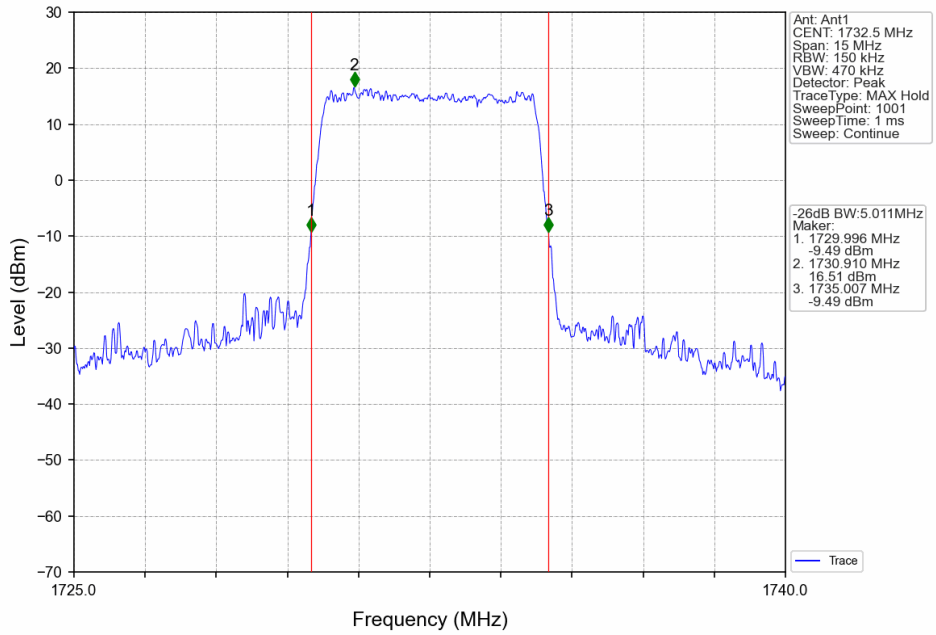
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



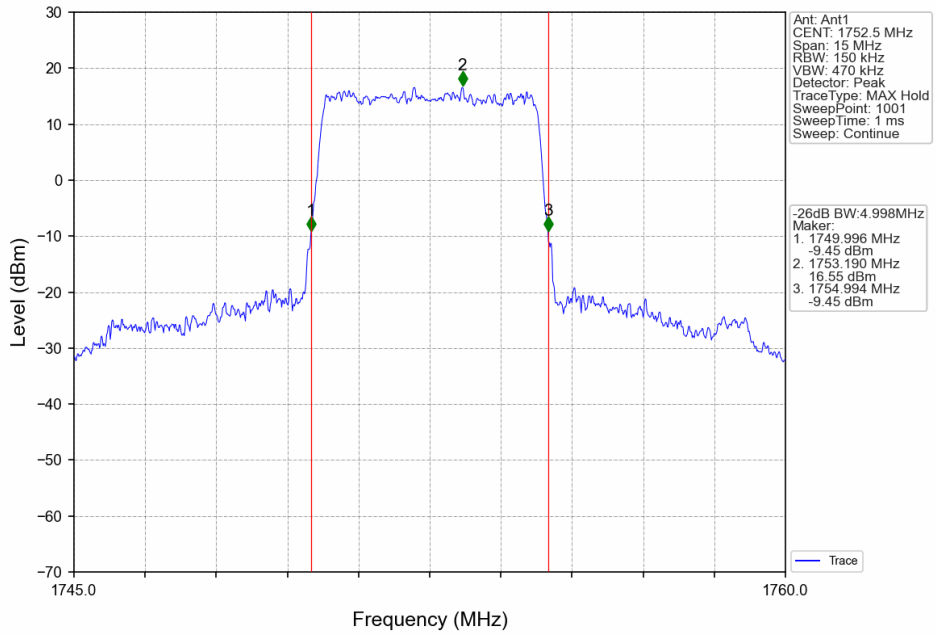
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



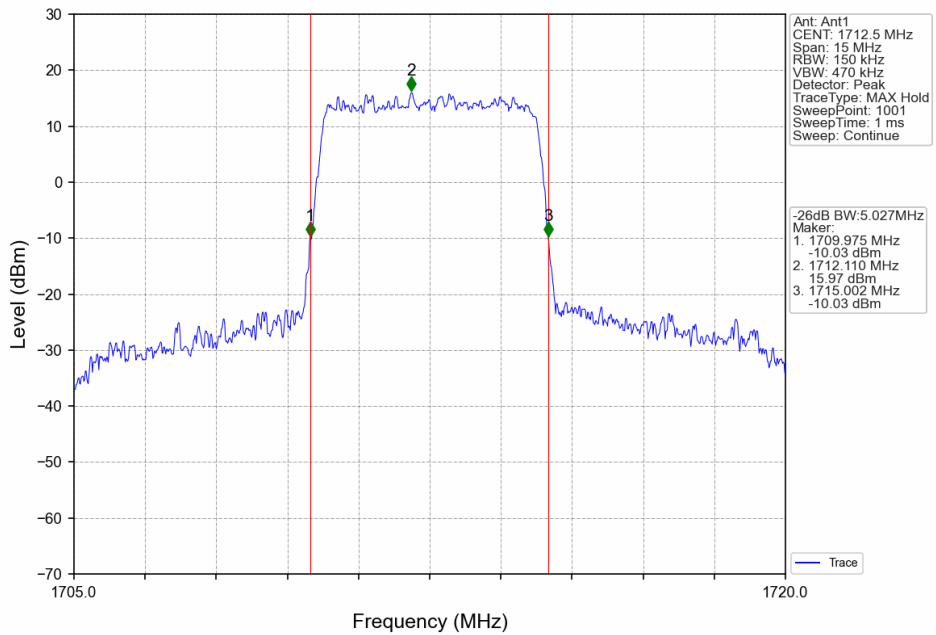
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



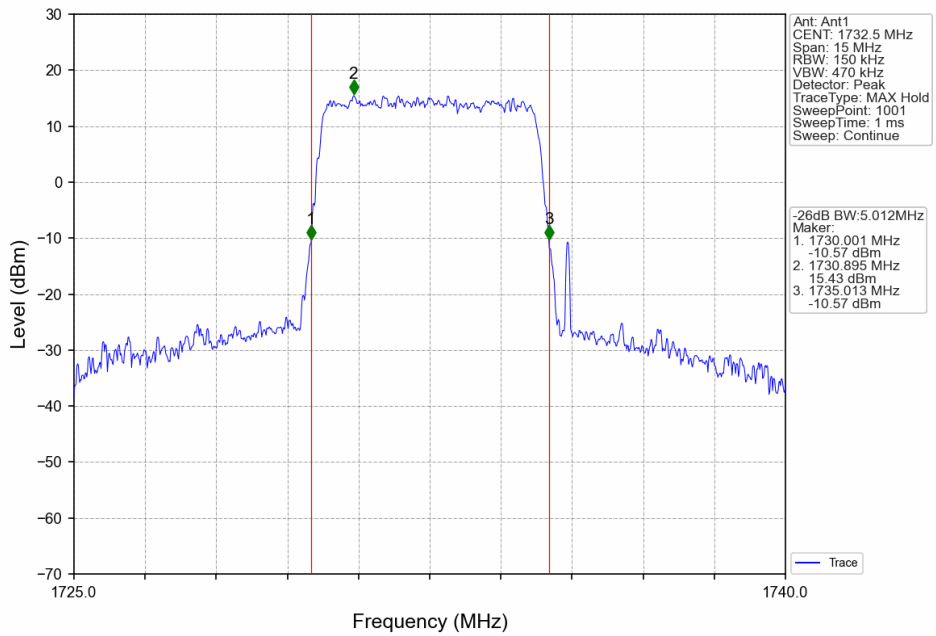
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



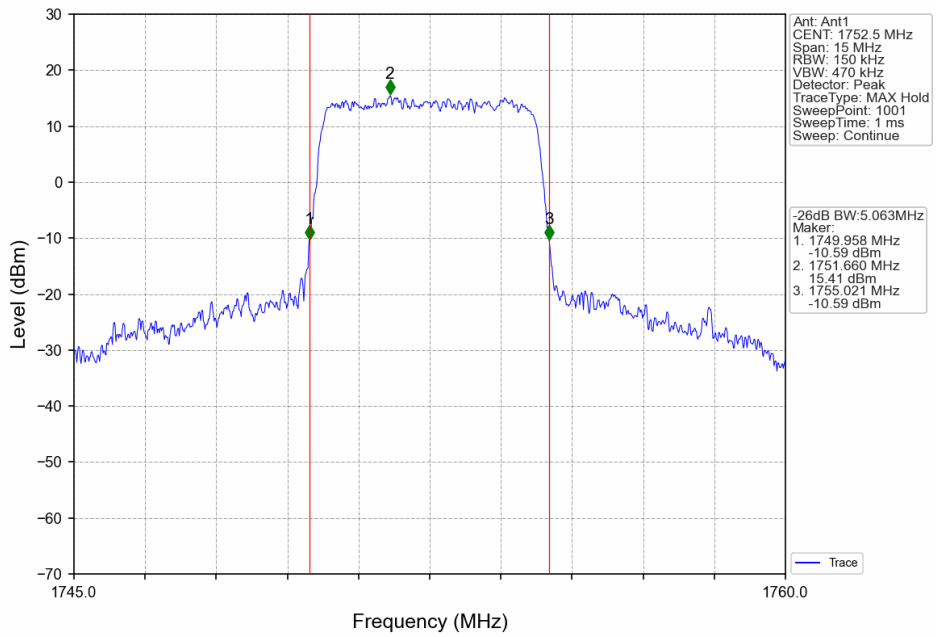
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



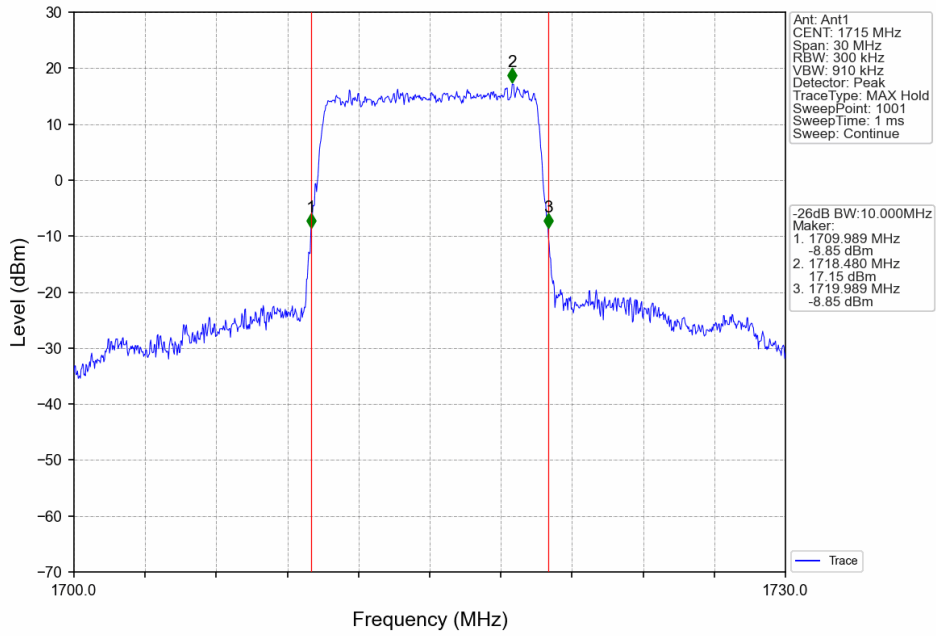
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



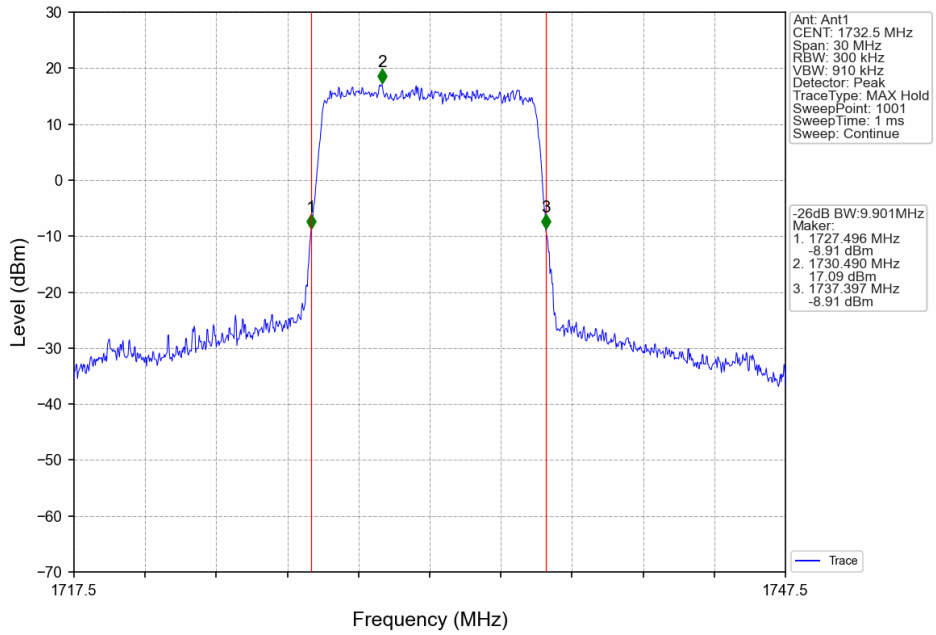
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



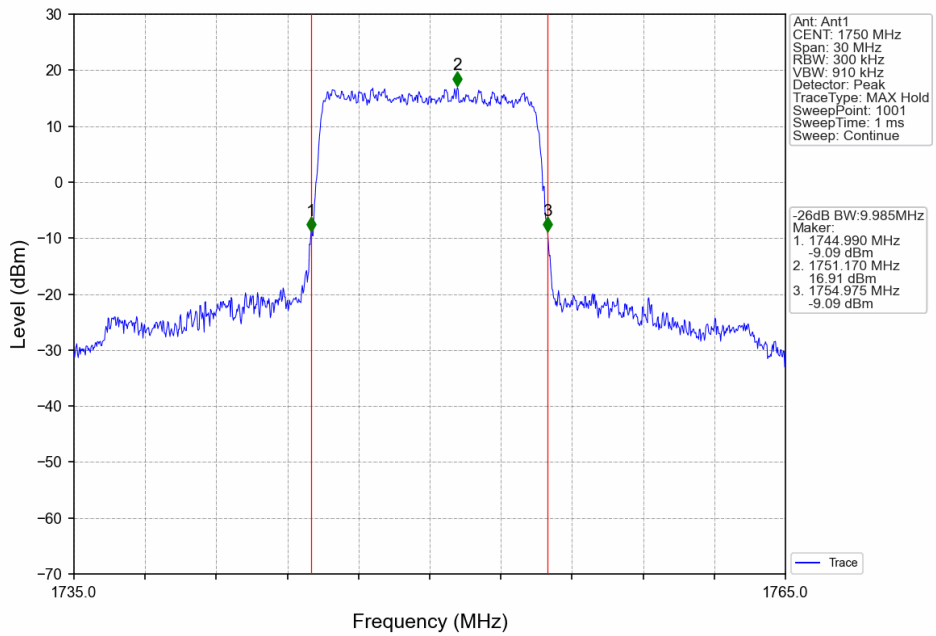
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



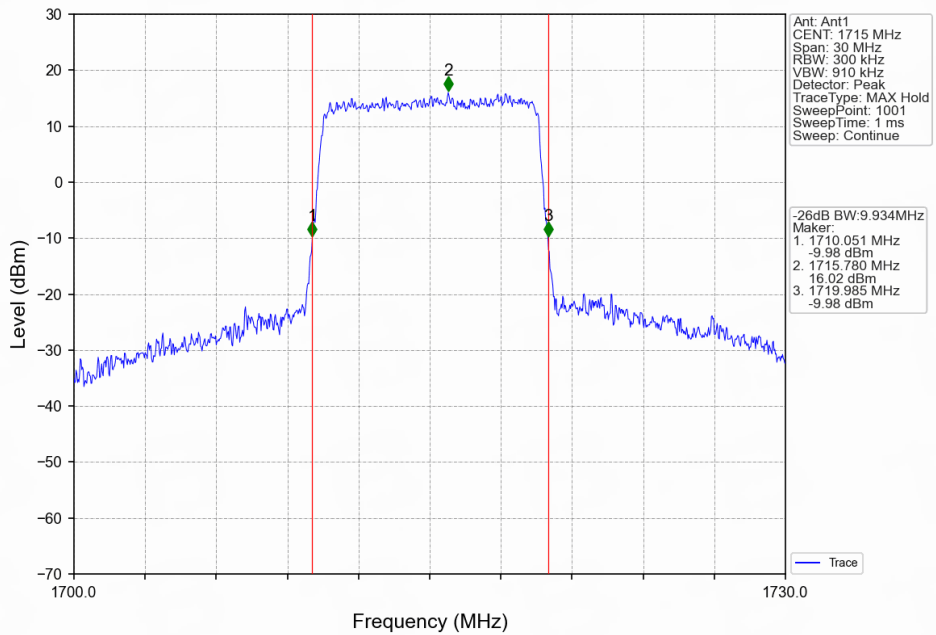
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



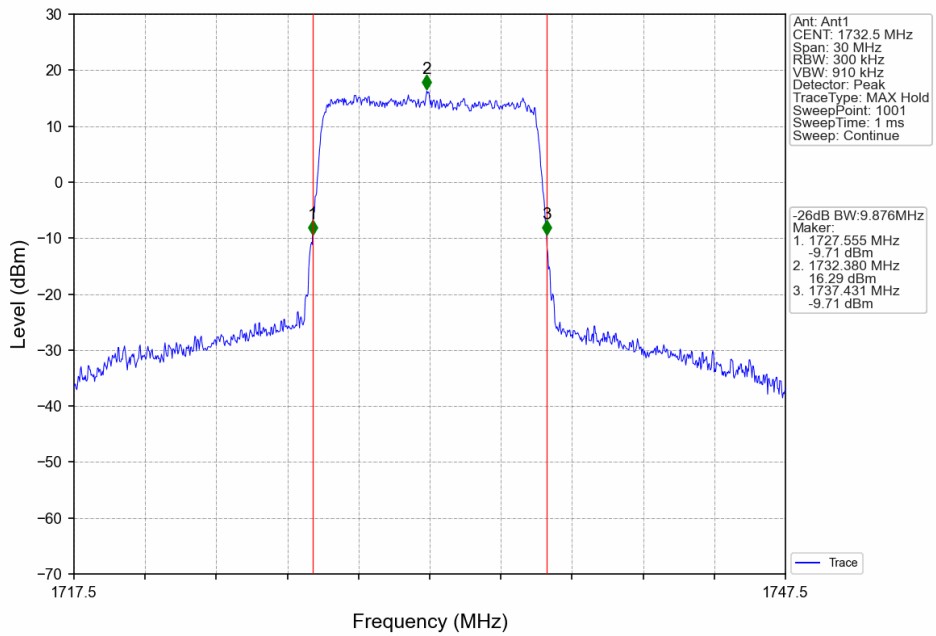
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



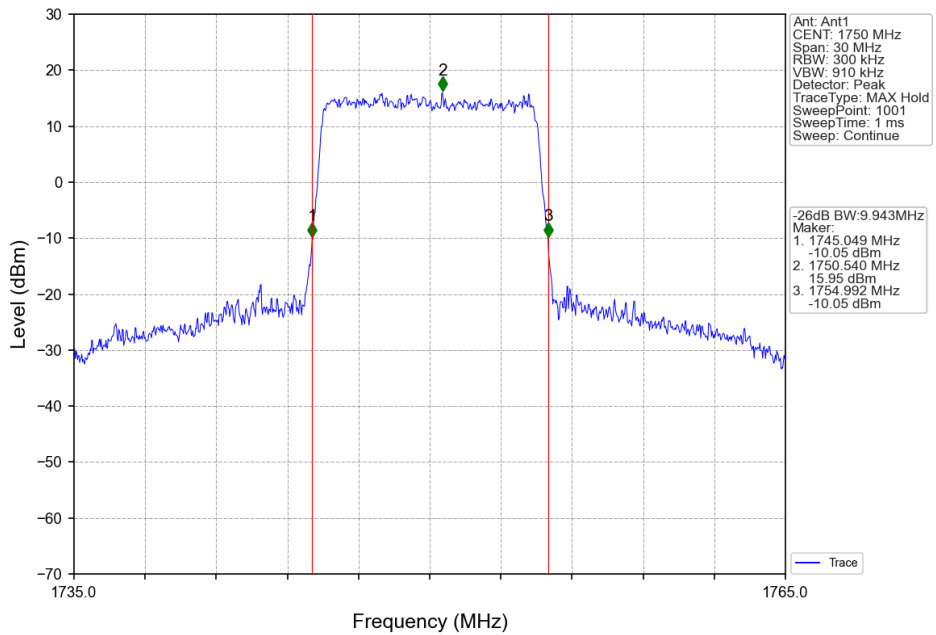
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



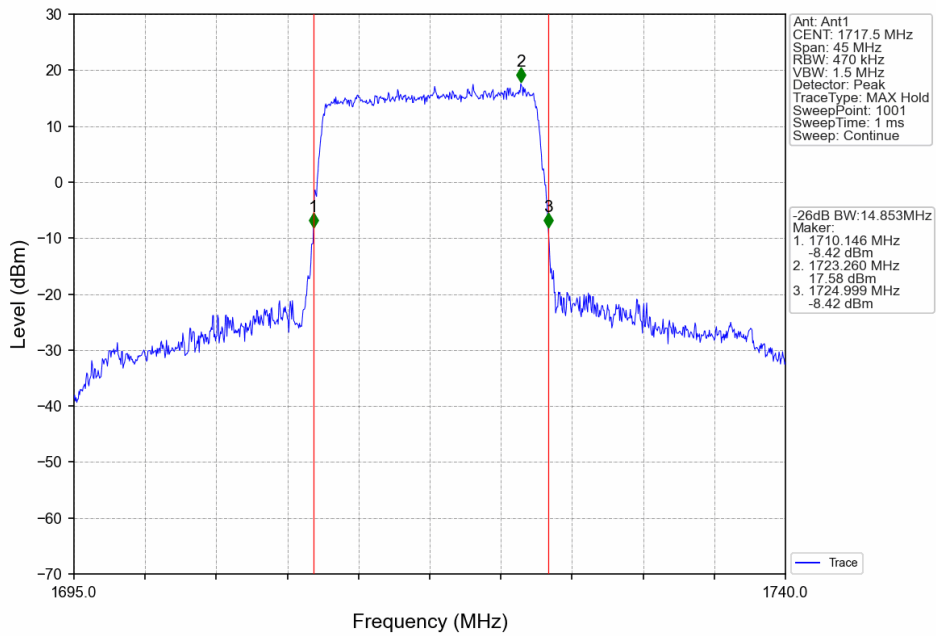
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



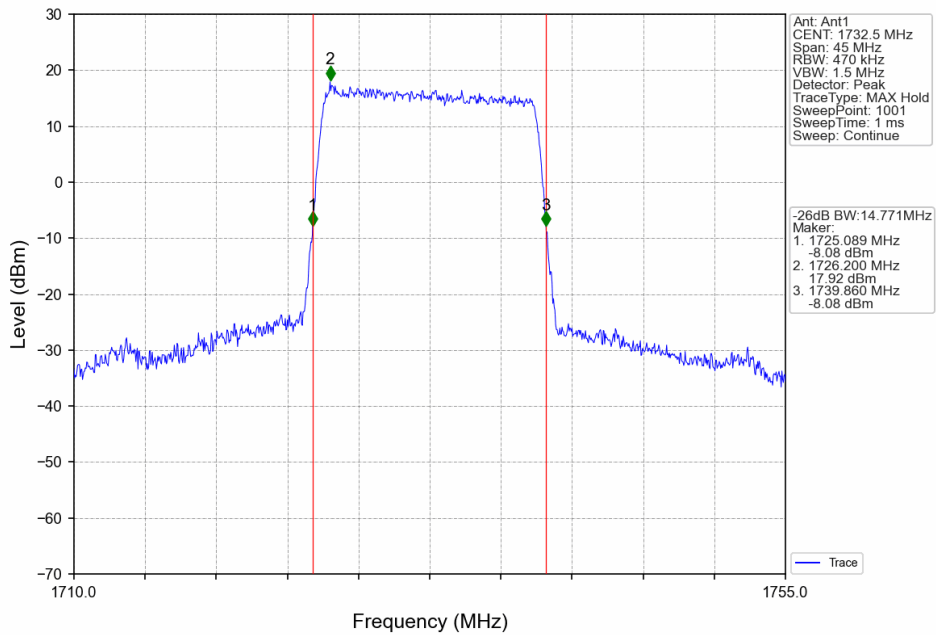
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



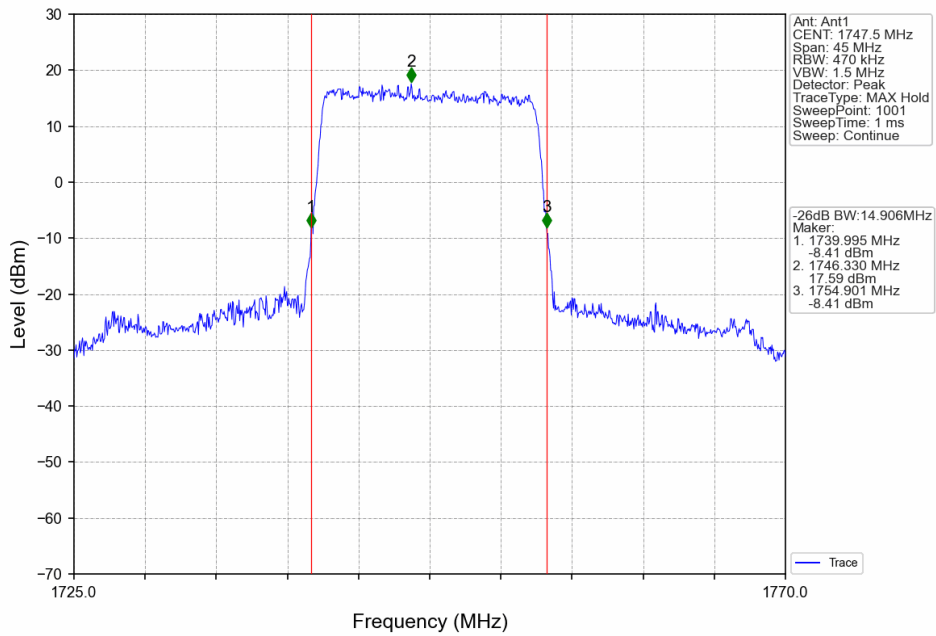
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



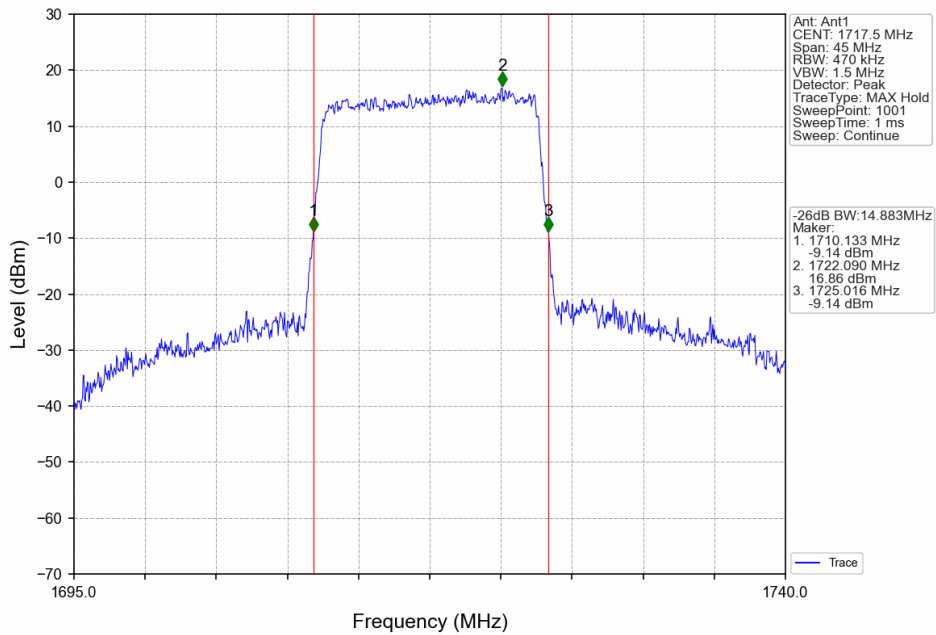
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



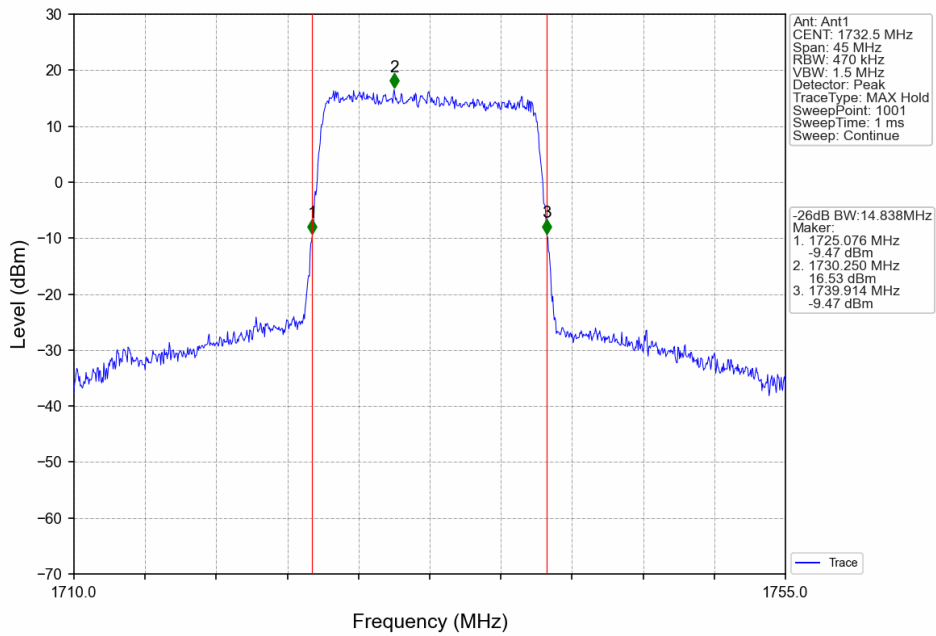
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



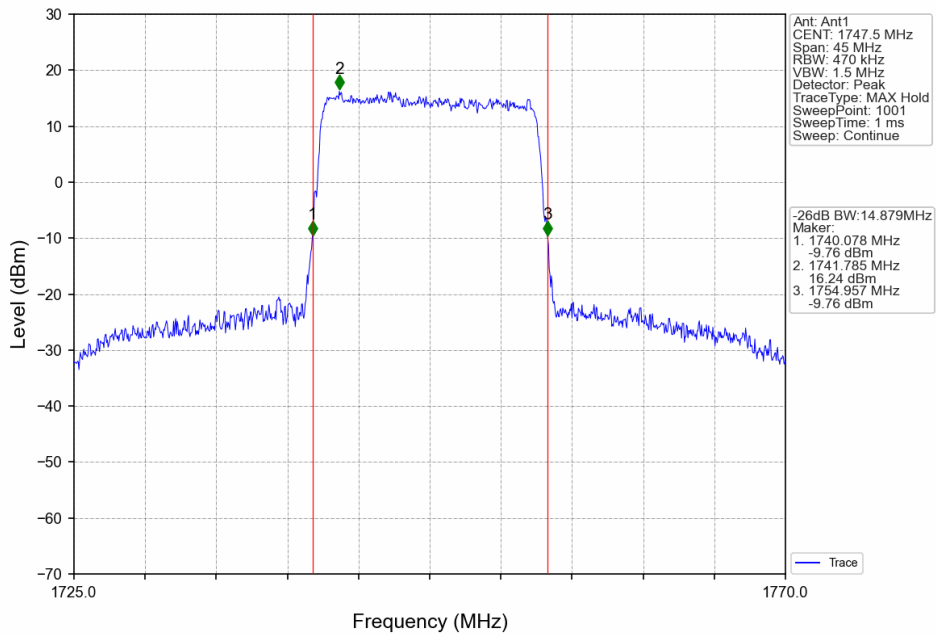
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



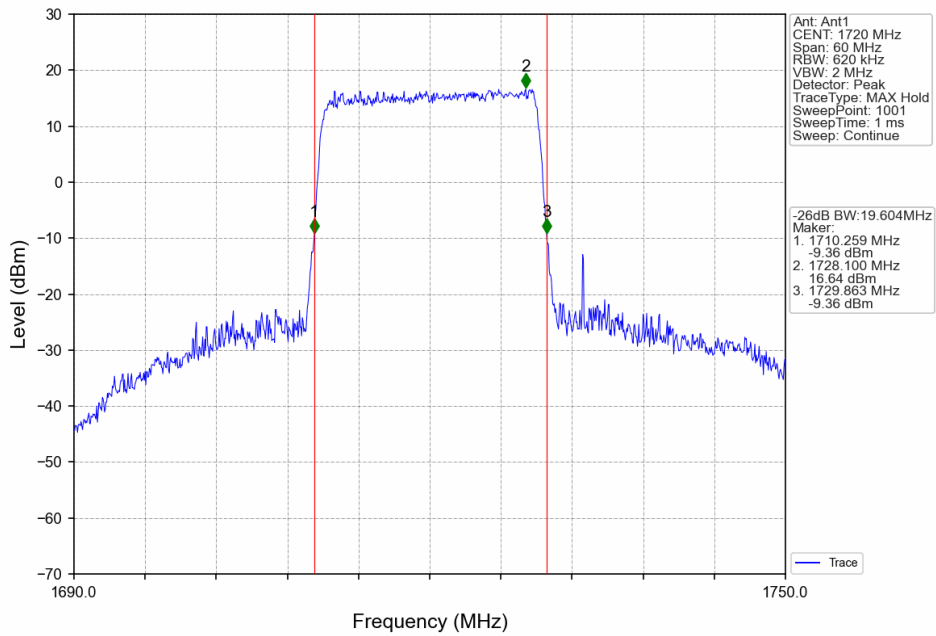
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



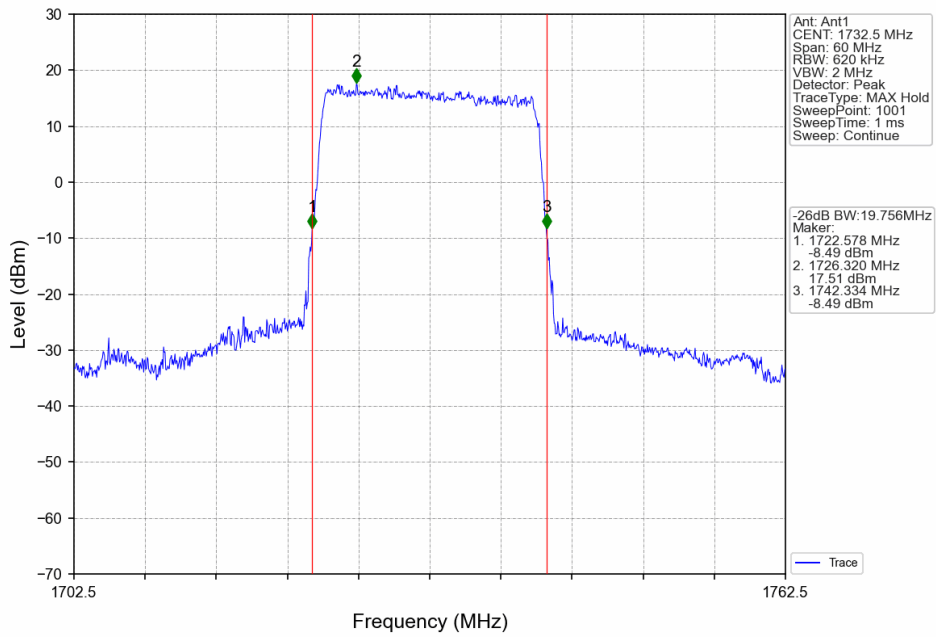
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



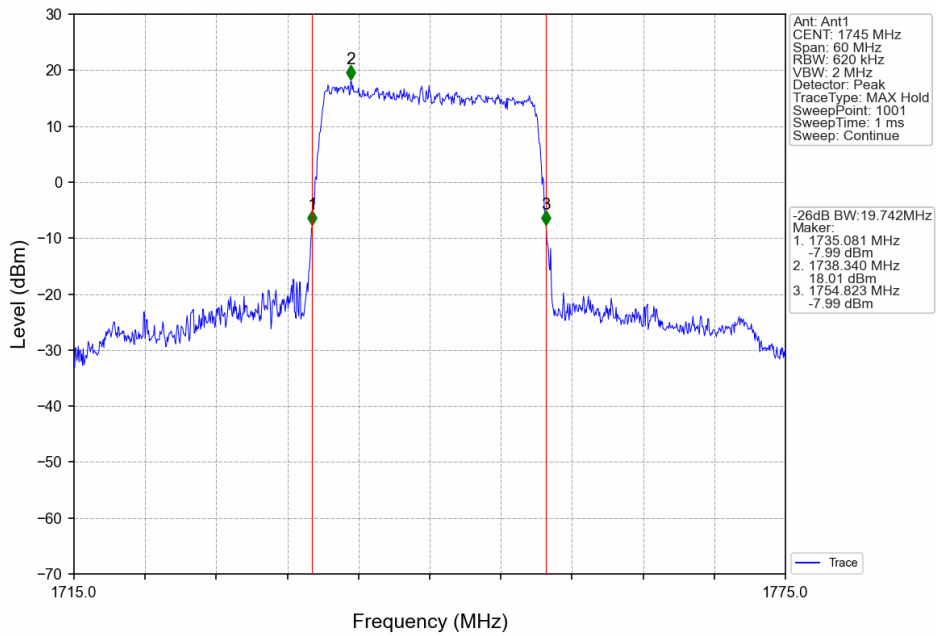
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



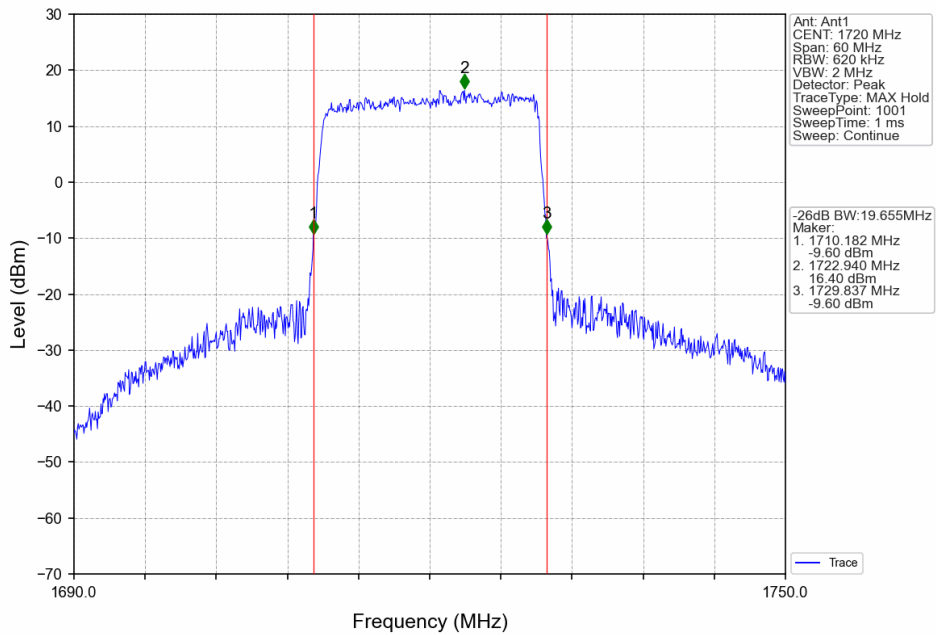
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



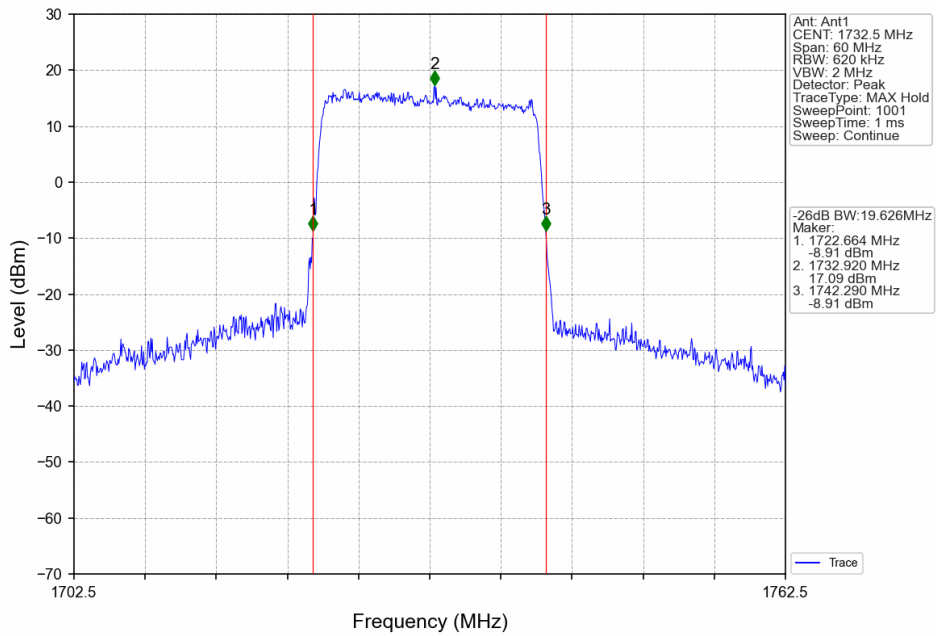
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



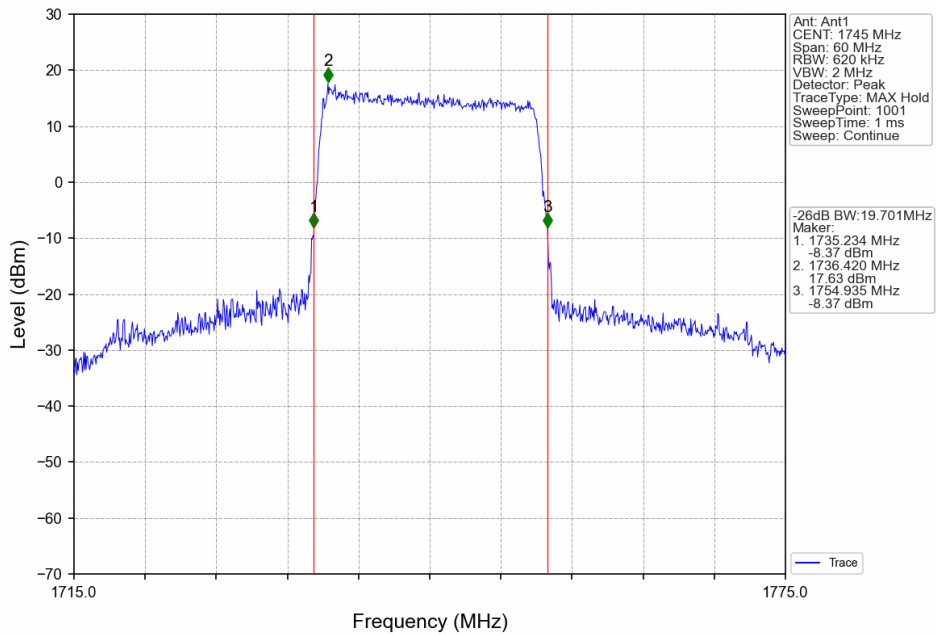
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



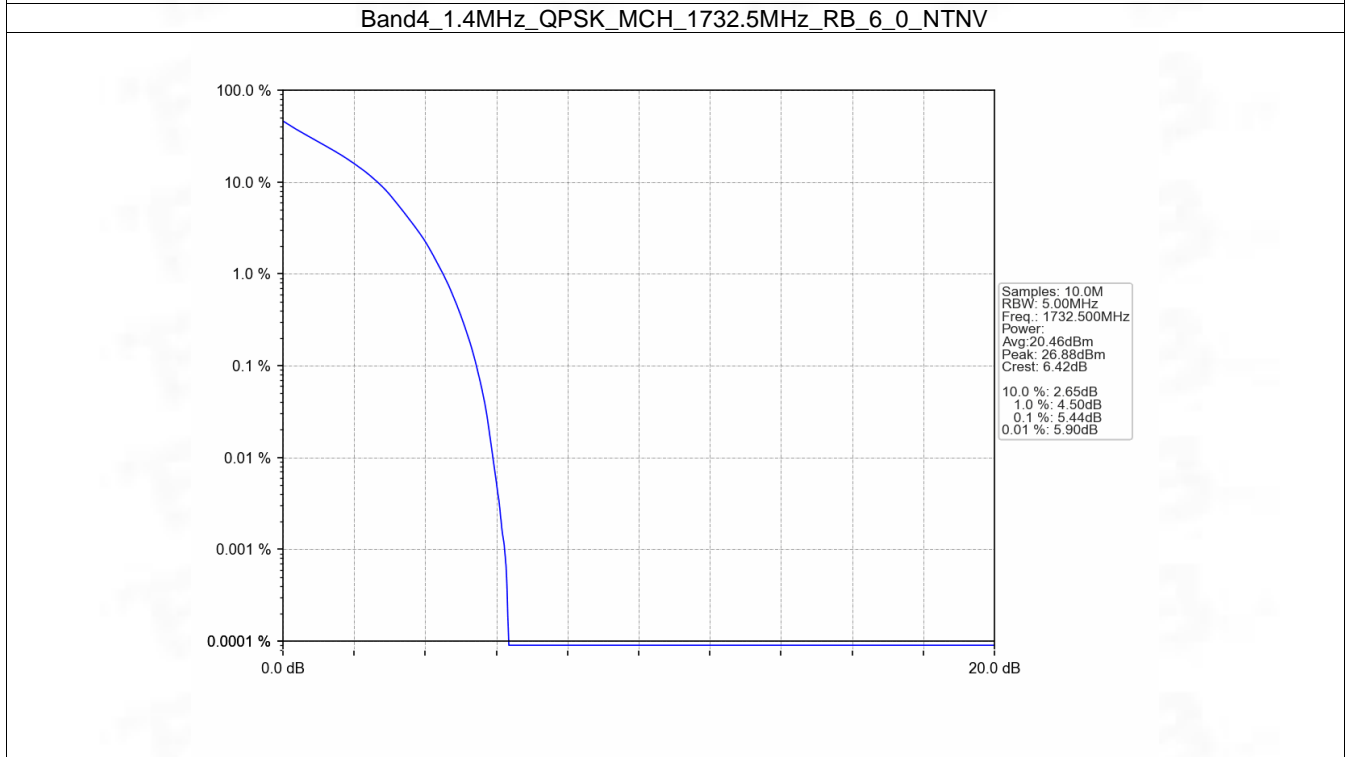
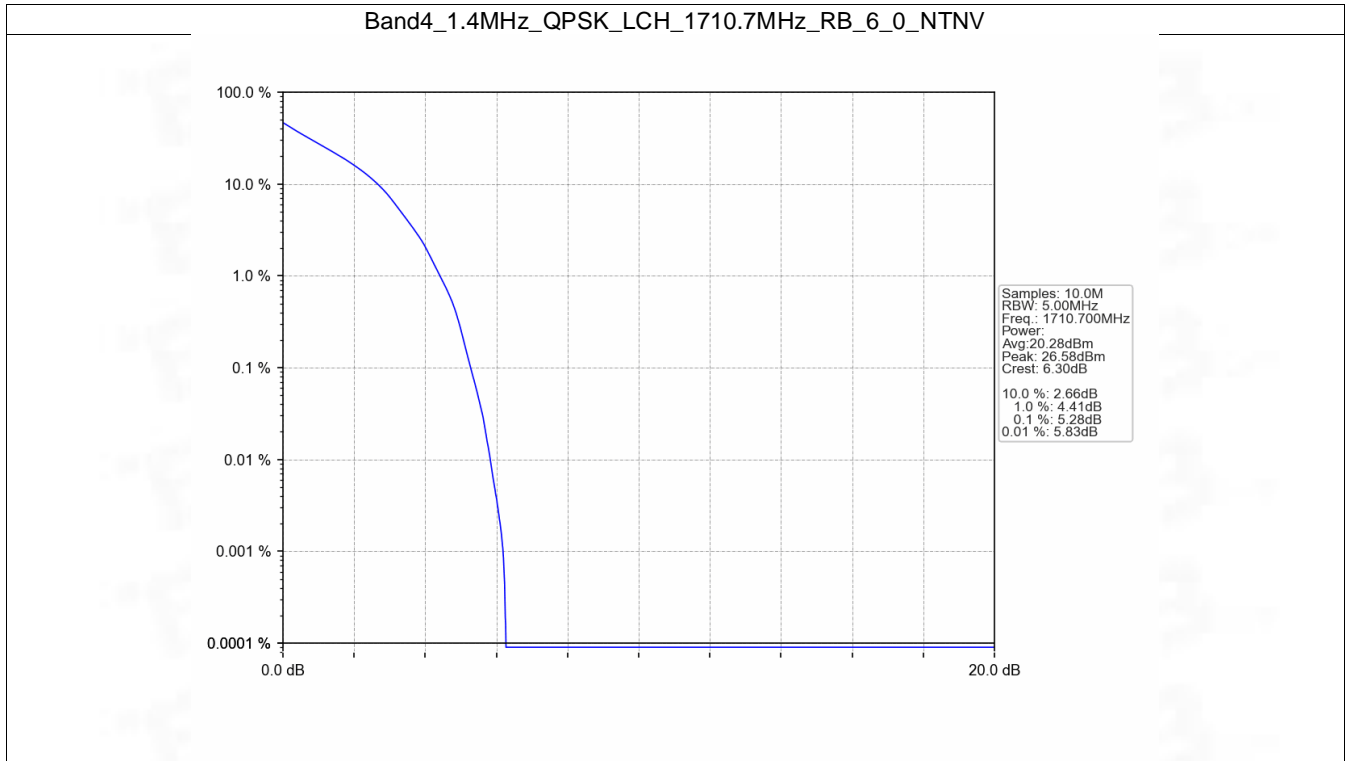
5. Peak-Average Ratio

5.1 B4_1.4MHz

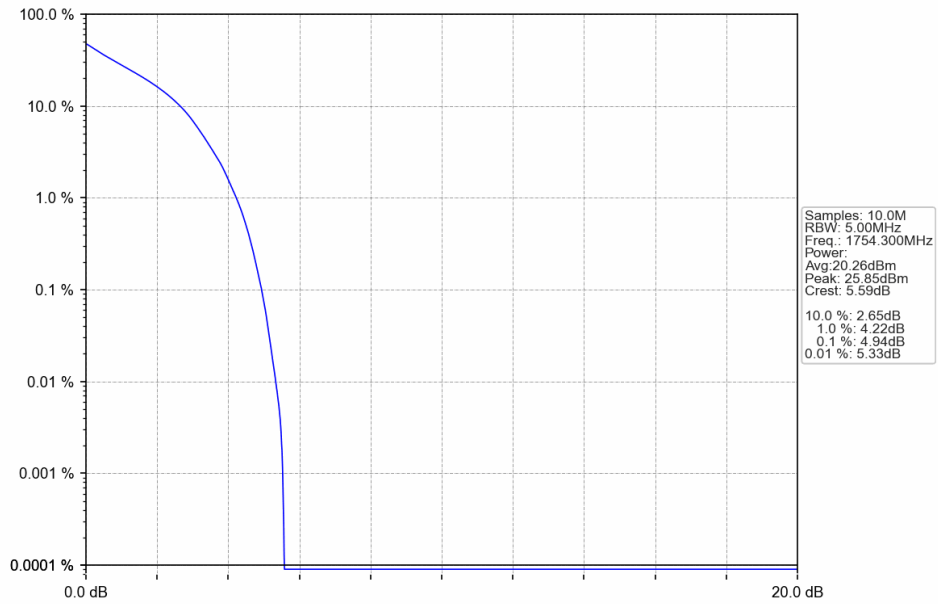
5.1.1 Test Result

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	5.28	<=13	Pass
	1732.5	6	0	5.44	<=13	Pass
	1754.3	6	0	4.94	<=13	Pass
16QAM	1710.7	6	0	6.12	<=13	Pass
	1732.5	6	0	6.26	<=13	Pass
	1754.3	6	0	5.74	<=13	Pass

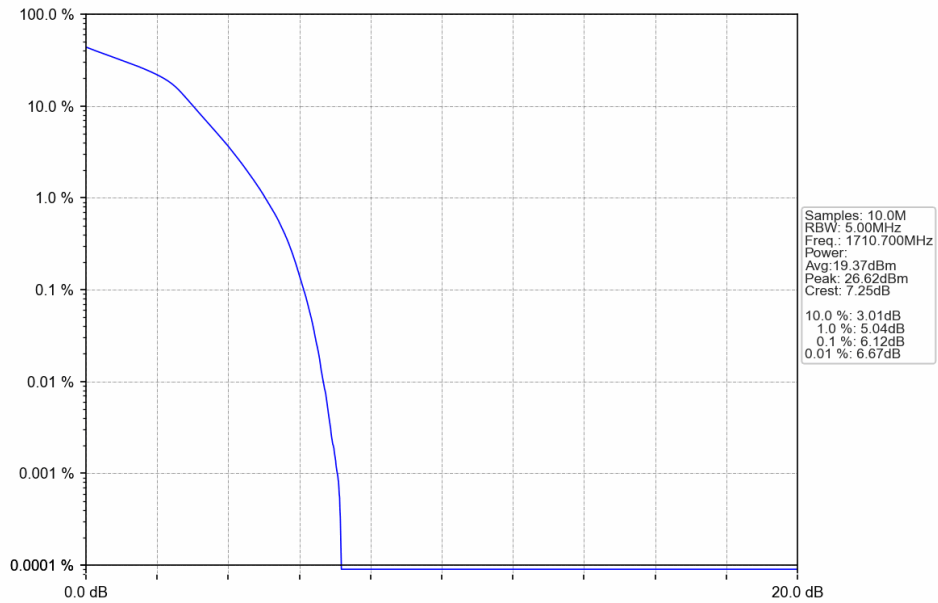
5.1.2 Test Graph



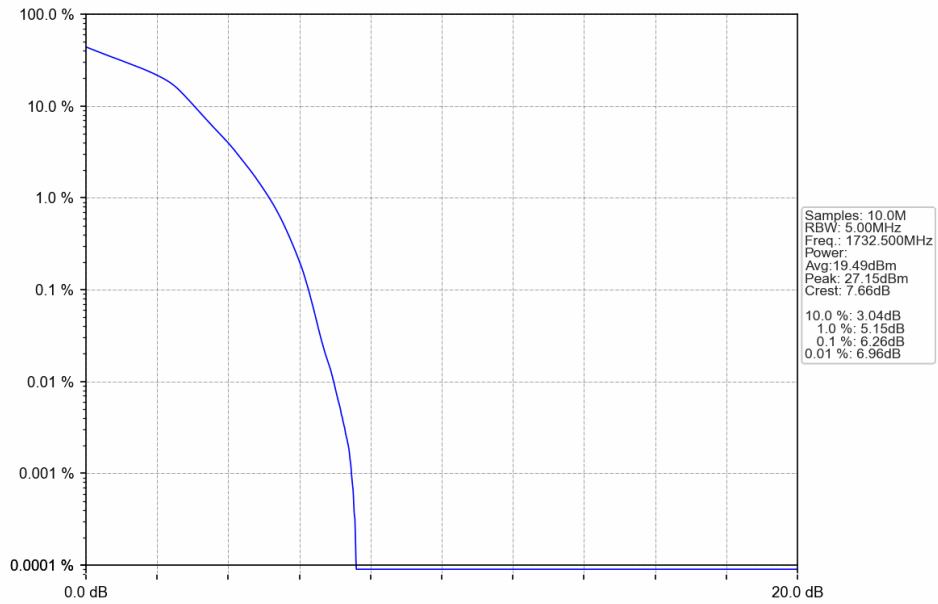
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



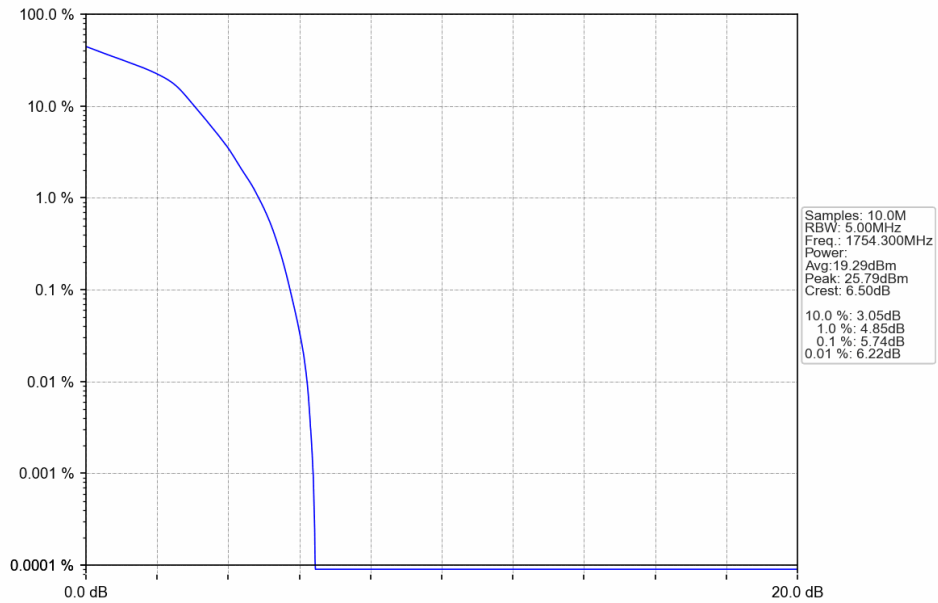
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

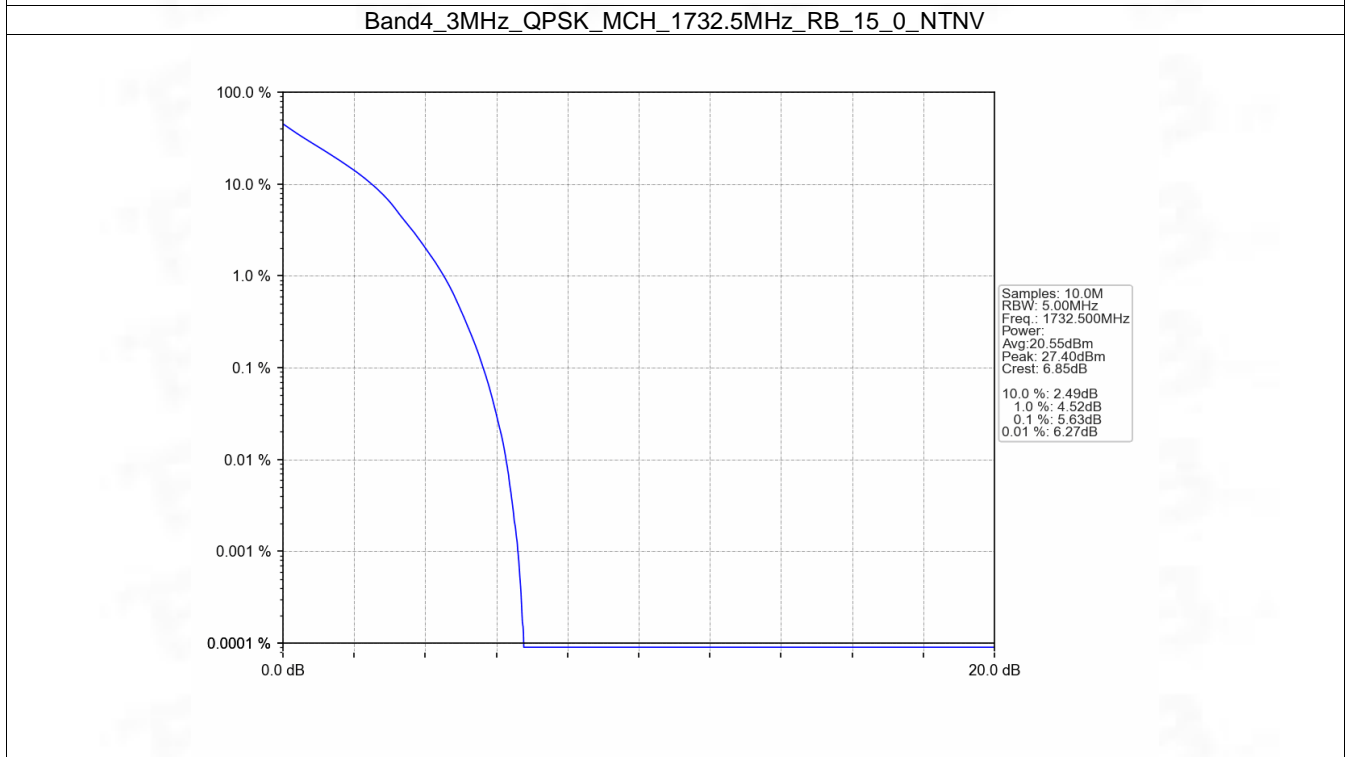
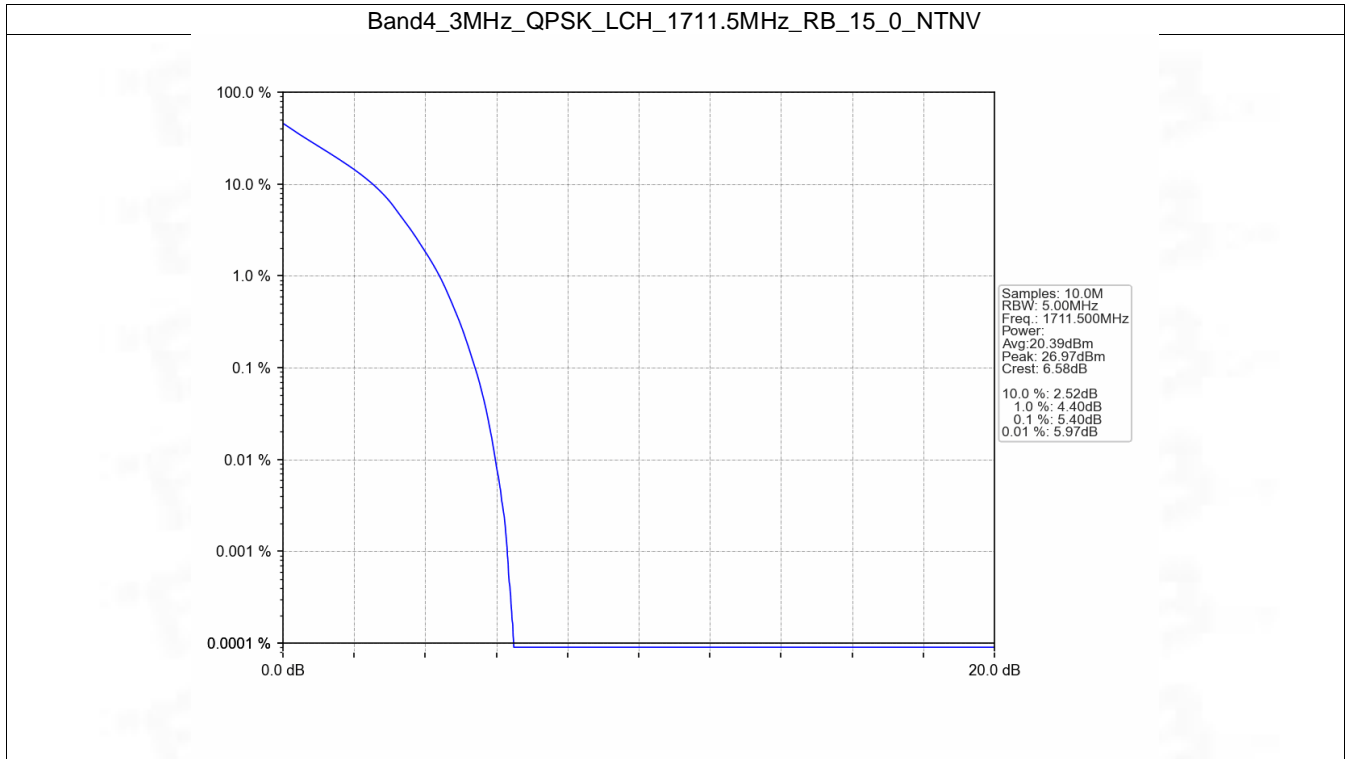


5.2 B4_3MHz

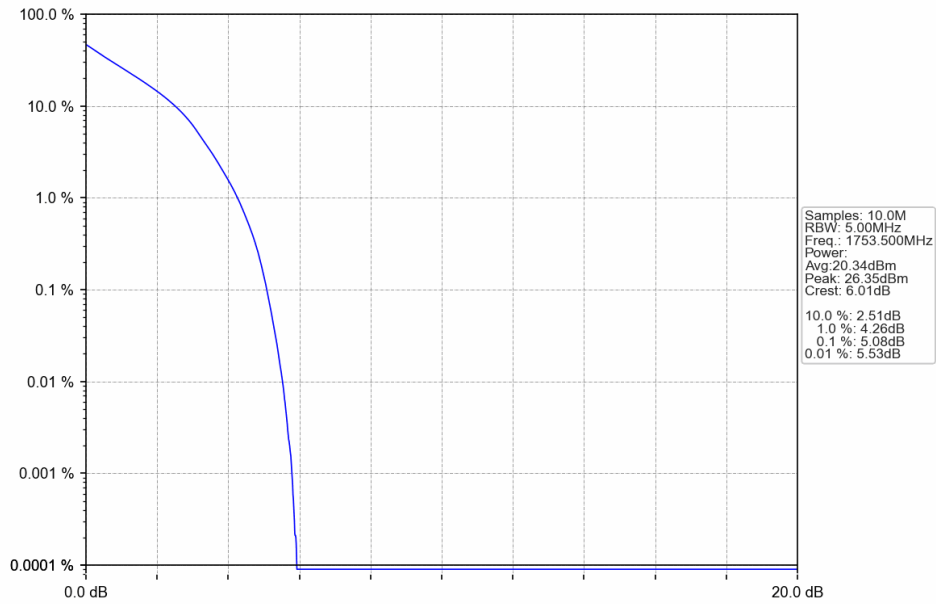
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.40	<=13	Pass
	1732.5	15	0	5.63	<=13	Pass
	1753.5	15	0	5.08	<=13	Pass
16QAM	1711.5	15	0	6.20	<=13	Pass
	1732.5	15	0	6.49	<=13	Pass
	1753.5	15	0	5.90	<=13	Pass

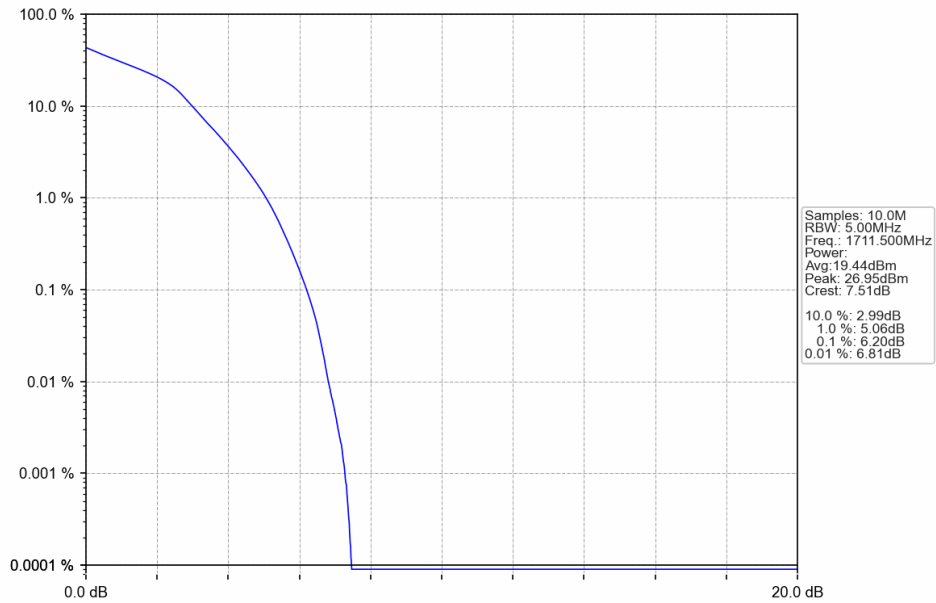
5.2.2 Test Graph

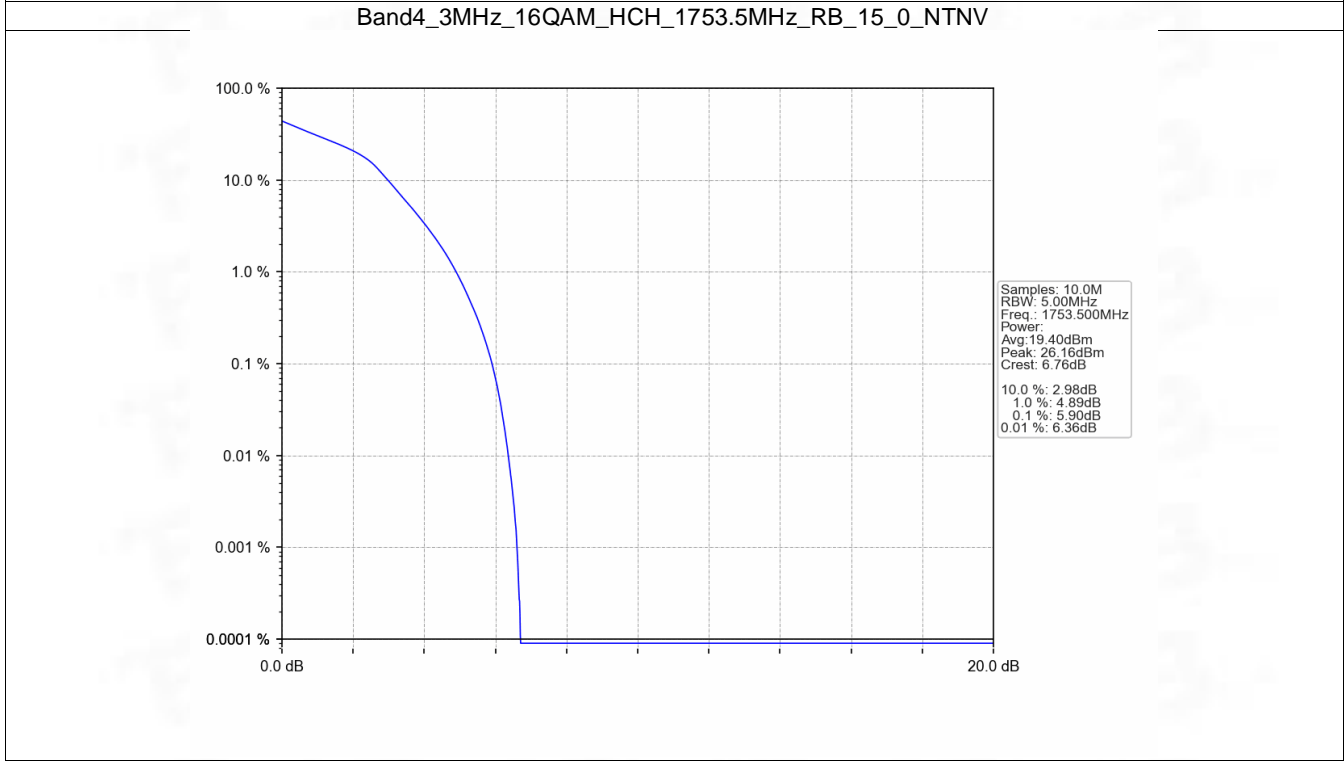
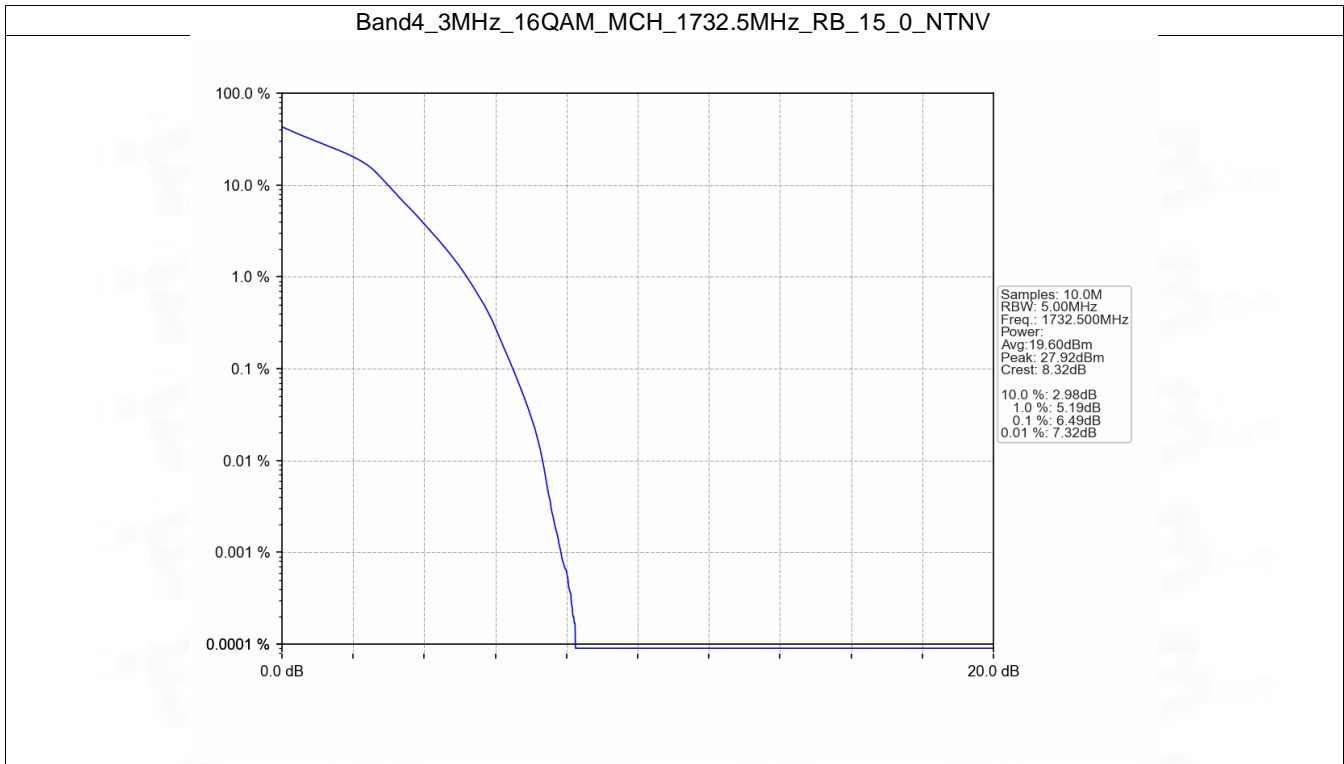


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV





5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.57	<=13	Pass
	1732.5	25	0	5.79	<=13	Pass
	1752.5	25	0	5.37	<=13	Pass
16QAM	1712.5	25	0	6.26	<=13	Pass
	1732.5	25	0	6.48	<=13	Pass
	1752.5	25	0	6.12	<=13	Pass