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	23.11	0.15	23.26	<=30	Pass
			2	23.22	0.15	23.37	<=30	Pass
			5	22.98	0.15	23.13	<=30	Pass
		3	0	22.93	0.15	23.08	<=30	Pass
			2	22.88	0.15	23.03	<=30	Pass
			3	22.94	0.15	23.09	<=30	Pass
		6	0	21.84	0.15	21.99	<=30	Pass
	1732.5	1	0	23.19	0.15	23.34	<=30	Pass
			2	23.18	0.15	23.33	<=30	Pass
			5	23.04	0.15	23.19	<=30	Pass
		3	0	22.93	0.15	23.08	<=30	Pass
			2	23.08	0.15	23.23	<=30	Pass
			3	22.88	0.15	23.03	<=30	Pass
		6	0	22.10	0.15	22.25	<=30	Pass
	1754.3	1	0	23.01	0.15	23.16	<=30	Pass
			2	22.92	0.15	23.07	<=30	Pass
			5	22.85	0.15	23.00	<=30	Pass
		3	0	22.87	0.15	23.02	<=30	Pass
			2	22.95	0.15	23.10	<=30	Pass
			3	22.84	0.15	22.99	<=30	Pass
		6	0	21.99	0.15	22.14	<=30	Pass
16QAM	1710.7	1	0	22.09	0.15	22.24	<=30	Pass
			2	22.10	0.15	22.25	<=30	Pass
			5	21.99	0.15	22.14	<=30	Pass
		3	0	21.77	0.15	21.92	<=30	Pass
			2	21.82	0.15	21.97	<=30	Pass
			3	21.79	0.15	21.94	<=30	Pass
		6	0	20.77	0.15	20.92	<=30	Pass
	1732.5	1	0	21.95	0.15	22.10	<=30	Pass
			2	21.99	0.15	22.14	<=30	Pass
			5	21.92	0.15	22.07	<=30	Pass
		3	0	22.14	0.15	22.29	<=30	Pass
			2	22.26	0.15	22.41	<=30	Pass
			3	22.06	0.15	22.21	<=30	Pass
		6	0	20.84	0.15	20.99	<=30	Pass
	1754.3	1	0	22.13	0.15	22.28	<=30	Pass
			2	22.28	0.15	22.43	<=30	Pass
			5	22.00	0.15	22.15	<=30	Pass
		3	0	21.80	0.15	21.95	<=30	Pass
			2	22.06	0.15	22.21	<=30	Pass
			3	22.00	0.15	22.15	<=30	Pass
		6	0	20.84	0.15	20.99	<=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	22.99	0.15	23.14	<=30	Pass
			7	22.93	0.15	23.08	<=30	Pass
			14	22.88	0.15	23.03	<=30	Pass
		8	0	22.08	0.15	22.23	<=30	Pass
			4	21.94	0.15	22.09	<=30	Pass
			7	22.10	0.15	22.25	<=30	Pass
		15	0	22.11	0.15	22.26	<=30	Pass
	1732.5	1	0	23.16	0.15	23.31	<=30	Pass
			7	23.24	0.15	23.39	<=30	Pass
			14	23.02	0.15	23.17	<=30	Pass
		8	0	22.19	0.15	22.34	<=30	Pass
			4	22.22	0.15	22.37	<=30	Pass
			7	22.10	0.15	22.25	<=30	Pass
		15	0	22.24	0.15	22.39	<=30	Pass
	1753.5	1	0	22.58	0.15	22.73	<=30	Pass
			7	22.87	0.15	23.02	<=30	Pass
			14	22.77	0.15	22.92	<=30	Pass
		8	0	21.80	0.15	21.95	<=30	Pass
			4	21.89	0.15	22.04	<=30	Pass
			7	21.81	0.15	21.96	<=30	Pass
		15	0	21.81	0.15	21.96	<=30	Pass
16QAM	1711.5	1	0	22.65	0.15	22.80	<=30	Pass
			7	22.78	0.15	22.93	<=30	Pass
			14	22.59	0.15	22.74	<=30	Pass
		8	0	21.16	0.15	21.31	<=30	Pass
			4	21.12	0.15	21.27	<=30	Pass
			7	21.22	0.15	21.37	<=30	Pass
		15	0	20.93	0.15	21.08	<=30	Pass
	1732.5	1	0	22.15	0.15	22.30	<=30	Pass
			7	22.41	0.15	22.56	<=30	Pass
			14	21.90	0.15	22.05	<=30	Pass
		8	0	21.11	0.15	21.26	<=30	Pass
			4	20.96	0.15	21.11	<=30	Pass
			7	21.35	0.15	21.50	<=30	Pass
		15	0	21.36	0.15	21.51	<=30	Pass
	1753.5	1	0	22.34	0.15	22.49	<=30	Pass
			7	22.70	0.15	22.85	<=30	Pass
			14	22.24	0.15	22.39	<=30	Pass
		8	0	20.98	0.15	21.13	<=30	Pass
			4	20.71	0.15	20.86	<=30	Pass
			7	20.73	0.15	20.88	<=30	Pass
		15	0	20.53	0.15	20.68	<=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	22.67	0.15	22.82	<=30	Pass
			13	22.72	0.15	22.87	<=30	Pass
			24	22.83	0.15	22.98	<=30	Pass
		12	0	21.80	0.15	21.95	<=30	Pass
			6	22.01	0.15	22.16	<=30	Pass
			13	21.94	0.15	22.09	<=30	Pass
		25	0	21.84	0.15	21.99	<=30	Pass
	1732.5	1	0	22.79	0.15	22.94	<=30	Pass
			13	23.03	0.15	23.18	<=30	Pass
			24	22.65	0.15	22.80	<=30	Pass
		12	0	22.24	0.15	22.39	<=30	Pass
			6	22.15	0.15	22.30	<=30	Pass
			13	22.09	0.15	22.24	<=30	Pass
		25	0	22.15	0.15	22.30	<=30	Pass
	1752.5	1	0	22.55	0.15	22.70	<=30	Pass
			13	22.69	0.15	22.84	<=30	Pass
			24	22.60	0.15	22.75	<=30	Pass
		12	0	21.79	0.15	21.94	<=30	Pass
			6	21.83	0.15	21.98	<=30	Pass
			13	21.91	0.15	22.06	<=30	Pass
		25	0	21.86	0.15	22.01	<=30	Pass
16QAM	1712.5	1	0	21.46	0.15	21.61	<=30	Pass
			13	21.63	0.15	21.78	<=30	Pass
			24	21.45	0.15	21.60	<=30	Pass
		12	0	20.86	0.15	21.01	<=30	Pass
			6	20.97	0.15	21.12	<=30	Pass
			13	21.00	0.15	21.15	<=30	Pass
		25	0	20.83	0.15	20.98	<=30	Pass
	1732.5	1	0	21.95	0.15	22.10	<=30	Pass
			13	22.19	0.15	22.34	<=30	Pass
			24	21.82	0.15	21.97	<=30	Pass
		12	0	21.29	0.15	21.44	<=30	Pass
			6	21.42	0.15	21.57	<=30	Pass
			13	20.99	0.15	21.14	<=30	Pass
		25	0	21.28	0.15	21.43	<=30	Pass
	1752.5	1	0	22.26	0.15	22.41	<=30	Pass
			13	22.53	0.15	22.68	<=30	Pass
			24	22.42	0.15	22.57	<=30	Pass
		12	0	20.73	0.15	20.88	<=30	Pass
			6	20.81	0.15	20.96	<=30	Pass
			13	20.87	0.15	21.02	<=30	Pass
		25	0	20.90	0.15	21.05	<=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	22.90	0.15	23.05	<=30	Pass
			25	23.08	0.15	23.23	<=30	Pass
			49	22.89	0.15	23.04	<=30	Pass
		25	0	21.93	0.15	22.08	<=30	Pass
			13	22.06	0.15	22.21	<=30	Pass
			25	21.95	0.15	22.10	<=30	Pass
		50	0	21.99	0.15	22.14	<=30	Pass
	1732.5	1	0	23.20	0.15	23.35	<=30	Pass
			25	23.33	0.15	23.48	<=30	Pass
			49	22.75	0.15	22.90	<=30	Pass
		25	0	22.18	0.15	22.33	<=30	Pass
			13	22.03	0.15	22.18	<=30	Pass
			25	22.03	0.15	22.18	<=30	Pass
		50	0	22.15	0.15	22.30	<=30	Pass
	1750	1	0	22.70	0.15	22.85	<=30	Pass
			25	23.29	0.15	23.44	<=30	Pass
			49	22.89	0.15	23.04	<=30	Pass
		25	0	21.87	0.15	22.02	<=30	Pass
			13	21.92	0.15	22.07	<=30	Pass
			25	21.86	0.15	22.01	<=30	Pass
		50	0	21.78	0.15	21.93	<=30	Pass
16QAM	1715	1	0	22.34	0.15	22.49	<=30	Pass
			25	22.24	0.15	22.39	<=30	Pass
			49	22.46	0.15	22.61	<=30	Pass
		25	0	20.89	0.15	21.04	<=30	Pass
			13	21.14	0.15	21.29	<=30	Pass
			25	20.93	0.15	21.08	<=30	Pass
		50	0	20.95	0.15	21.10	<=30	Pass
	1732.5	1	0	22.31	0.15	22.46	<=30	Pass
			25	22.24	0.15	22.39	<=30	Pass
			49	21.76	0.15	21.91	<=30	Pass
		25	0	21.52	0.15	21.67	<=30	Pass
			13	21.38	0.15	21.53	<=30	Pass
			25	21.12	0.15	21.27	<=30	Pass
		50	0	21.19	0.15	21.34	<=30	Pass
	1750	1	0	21.94	0.15	22.09	<=30	Pass
			25	22.08	0.15	22.23	<=30	Pass
			49	22.31	0.15	22.46	<=30	Pass
		25	0	20.97	0.15	21.12	<=30	Pass
			13	20.99	0.15	21.14	<=30	Pass
			25	21.01	0.15	21.16	<=30	Pass
		50	0	20.85	0.15	21.00	<=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	22.83	0.15	22.98	<=30	Pass
			38	22.96	0.15	23.11	<=30	Pass
			74	23.13	0.15	23.28	<=30	Pass
		36	0	22.02	0.15	22.17	<=30	Pass
			18	21.97	0.15	22.12	<=30	Pass
			39	22.12	0.15	22.27	<=30	Pass
		75	0	22.00	0.15	22.15	<=30	Pass
	1732.5	1	0	23.06	0.15	23.21	<=30	Pass
			38	22.93	0.15	23.08	<=30	Pass
			74	22.19	0.15	22.34	<=30	Pass
		36	0	22.06	0.15	22.21	<=30	Pass
			18	22.14	0.15	22.29	<=30	Pass
			39	22.04	0.15	22.19	<=30	Pass
		75	0	22.04	0.15	22.19	<=30	Pass
	1747.5	1	0	22.12	0.15	22.27	<=30	Pass
			38	22.80	0.15	22.95	<=30	Pass
			74	22.79	0.15	22.94	<=30	Pass
		36	0	21.87	0.15	22.02	<=30	Pass
			18	21.82	0.15	21.97	<=30	Pass
			39	21.65	0.15	21.80	<=30	Pass
		75	0	21.76	0.15	21.91	<=30	Pass
16QAM	1717.5	1	0	22.34	0.15	22.49	<=30	Pass
			38	22.46	0.15	22.61	<=30	Pass
			74	22.74	0.15	22.89	<=30	Pass
		36	0	20.92	0.15	21.07	<=30	Pass
			18	21.06	0.15	21.21	<=30	Pass
			39	21.09	0.15	21.24	<=30	Pass
		75	0	21.08	0.15	21.23	<=30	Pass
	1732.5	1	0	22.49	0.15	22.64	<=30	Pass
			38	22.19	0.15	22.34	<=30	Pass
			74	21.48	0.15	21.63	<=30	Pass
		36	0	21.11	0.15	21.26	<=30	Pass
			18	21.13	0.15	21.28	<=30	Pass
			39	20.86	0.15	21.01	<=30	Pass
		75	0	21.15	0.15	21.30	<=30	Pass
	1747.5	1	0	21.53	0.15	21.68	<=30	Pass
			38	22.42	0.15	22.57	<=30	Pass
			74	22.04	0.15	22.19	<=30	Pass
		36	0	20.78	0.15	20.93	<=30	Pass
			18	20.84	0.15	20.99	<=30	Pass
			39	20.80	0.15	20.95	<=30	Pass
		75	0	20.88	0.15	21.03	<=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	22.70	0.15	22.85	<=30	Pass
			50	23.12	0.15	23.60	<=30	Pass
			99	22.88	0.15	23.03	<=30	Pass
		50	0	21.93	0.15	22.08	<=30	Pass
			25	21.98	0.15	22.13	<=30	Pass
			50	22.20	0.15	22.35	<=30	Pass
		100	0	21.99	0.15	22.14	<=30	Pass
	1732.5	1	0	22.97	0.15	23.12	<=30	Pass
			50	23.13	0.15	23.28	<=30	Pass
			99	22.17	0.15	22.32	<=30	Pass
		50	0	22.15	0.15	22.30	<=30	Pass
			25	22.06	0.15	22.21	<=30	Pass
			50	21.88	0.15	22.03	<=30	Pass
		100	0	22.04	0.15	22.19	<=30	Pass
	1745	1	0	22.32	0.15	22.47	<=30	Pass
			50	22.99	0.15	23.14	<=30	Pass
			99	22.78	0.15	22.93	<=30	Pass
		50	0	22.04	0.15	22.19	<=30	Pass
			25	21.78	0.15	21.93	<=30	Pass
			50	21.72	0.15	21.87	<=30	Pass
		100	0	21.89	0.15	22.04	<=30	Pass
16QAM	1720	1	0	21.78	0.15	21.93	<=30	Pass
			50	22.85	0.15	23.00	<=30	Pass
			99	22.10	0.15	22.25	<=30	Pass
		50	0	21.06	0.15	21.21	<=30	Pass
			25	21.12	0.15	21.27	<=30	Pass
			50	21.29	0.15	21.44	<=30	Pass
		100	0	21.08	0.15	21.23	<=30	Pass
	1732.5	1	0	22.74	0.15	22.89	<=30	Pass
			50	23.19	0.15	23.34	<=30	Pass
			99	22.01	0.15	22.16	<=30	Pass
		50	0	21.14	0.15	21.29	<=30	Pass
			25	21.14	0.15	21.29	<=30	Pass
			50	20.81	0.15	20.96	<=30	Pass
		100	0	21.06	0.15	21.21	<=30	Pass
	1745	1	0	21.54	0.15	21.69	<=30	Pass
			50	21.85	0.15	22.00	<=30	Pass
			99	21.96	0.15	22.11	<=30	Pass
		50	0	21.04	0.15	21.19	<=30	Pass
			25	20.89	0.15	21.04	<=30	Pass
			50	20.80	0.15	20.95	<=30	Pass
		100	0	20.93	0.15	21.08	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_20MHz

2.1.1 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	3.60	2.317	0.0013	-2.5 to 2.5	Pass
					3.80	1.202	0.0007	-2.5 to 2.5	Pass
					4.35	1.788	0.0010	-2.5 to 2.5	Pass
				-30	3.80	0.930	0.0005	-2.5 to 2.5	Pass
				-20	3.80	1.087	0.0006	-2.5 to 2.5	Pass
				-10	3.80	1.831	0.0011	-2.5 to 2.5	Pass
				0	3.80	0.916	0.0005	-2.5 to 2.5	Pass
				10	3.80	0.458	0.0003	-2.5 to 2.5	Pass
				30	3.80	2.117	0.0012	-2.5 to 2.5	Pass
				40	3.80	0.672	0.0004	-2.5 to 2.5	Pass
				50	3.80	0.072	0.0000	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.60	1.216	0.0007	-2.5 to 2.5	Pass
					3.80	0.801	0.0005	-2.5 to 2.5	Pass
					4.35	0.873	0.0005	-2.5 to 2.5	Pass
				-30	3.80	0.401	0.0002	-2.5 to 2.5	Pass
				-20	3.80	1.030	0.0006	-2.5 to 2.5	Pass
				-10	3.80	1.616	0.0009	-2.5 to 2.5	Pass
				0	3.80	0.257	0.0001	-2.5 to 2.5	Pass
				10	3.80	0.715	0.0004	-2.5 to 2.5	Pass
				30	3.80	0.114	0.0001	-2.5 to 2.5	Pass
				40	3.80	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.80	-0.672	-0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.60	-3.262	-0.0019	-2.5 to 2.5	Pass
					3.80	-1.316	-0.0008	-2.5 to 2.5	Pass
					4.35	-2.317	-0.0013	-2.5 to 2.5	Pass
				-30	3.80	-2.875	-0.0016	-2.5 to 2.5	Pass
				-20	3.80	-2.475	-0.0014	-2.5 to 2.5	Pass
				-10	3.80	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.80	-1.187	-0.0007	-2.5 to 2.5	Pass
				10	3.80	-2.789	-0.0016	-2.5 to 2.5	Pass
				30	3.80	-2.847	-0.0016	-2.5 to 2.5	Pass
				40	3.80	-2.146	-0.0012	-2.5 to 2.5	Pass
				50	3.80	-3.448	-0.0020	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

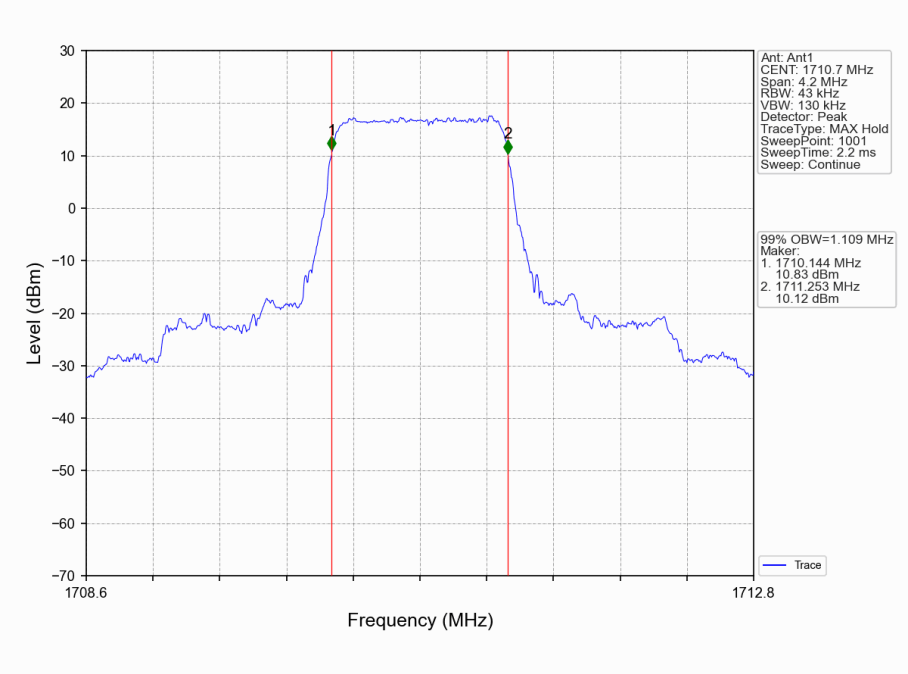
3.1 Band4_OBW

3.1.1 Test Result

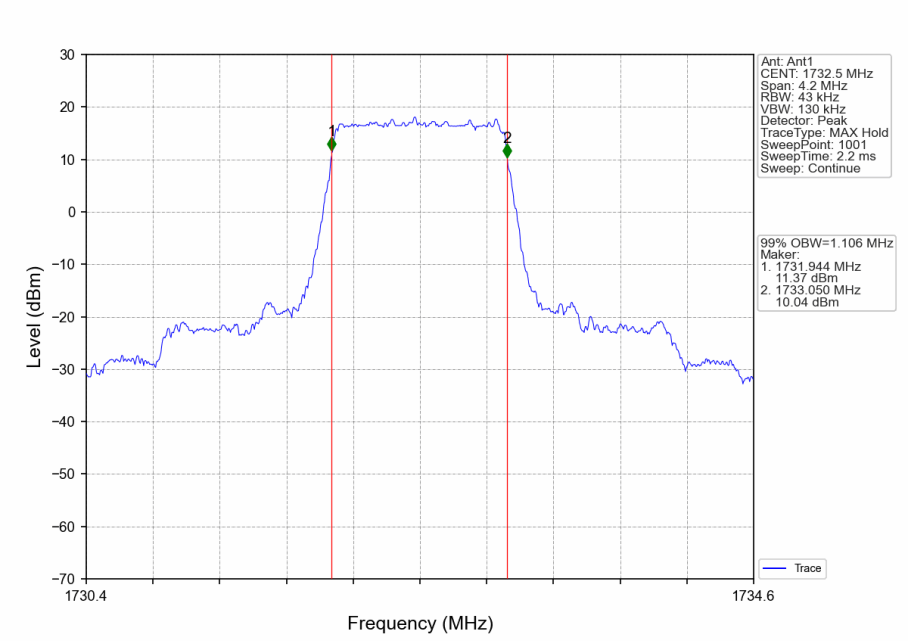
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.106	/	Pass
		1754.3	6	0	1.112	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.742	/	Pass
		1732.5	15	0	2.737	/	Pass
		1753.5	15	0	2.742	/	Pass
	16QAM	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.735	/	Pass
		1753.5	15	0	2.753	/	Pass
5	QPSK	1712.5	25	0	4.548	/	Pass
		1732.5	25	0	4.546	/	Pass
		1752.5	25	0	4.544	/	Pass
	16QAM	1712.5	25	0	4.538	/	Pass
		1732.5	25	0	4.561	/	Pass
		1752.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.035	/	Pass
		1732.5	50	0	9.038	/	Pass
		1750	50	0	9.048	/	Pass
	16QAM	1715	50	0	9.037	/	Pass
		1732.5	50	0	8.999	/	Pass
		1750	50	0	9.034	/	Pass
15	QPSK	1717.5	75	0	13.535	/	Pass
		1732.5	75	0	13.526	/	Pass
		1747.5	75	0	13.490	/	Pass
	16QAM	1717.5	75	0	13.489	/	Pass
		1732.5	75	0	13.525	/	Pass
		1747.5	75	0	13.528	/	Pass
20	QPSK	1720	100	0	18.015	/	Pass
		1732.5	100	0	18.026	/	Pass
		1745	100	0	18.059	/	Pass
	16QAM	1720	100	0	18.105	/	Pass
		1732.5	100	0	18.046	/	Pass
		1745	100	0	18.027	/	Pass

3.1.2 Test Graph

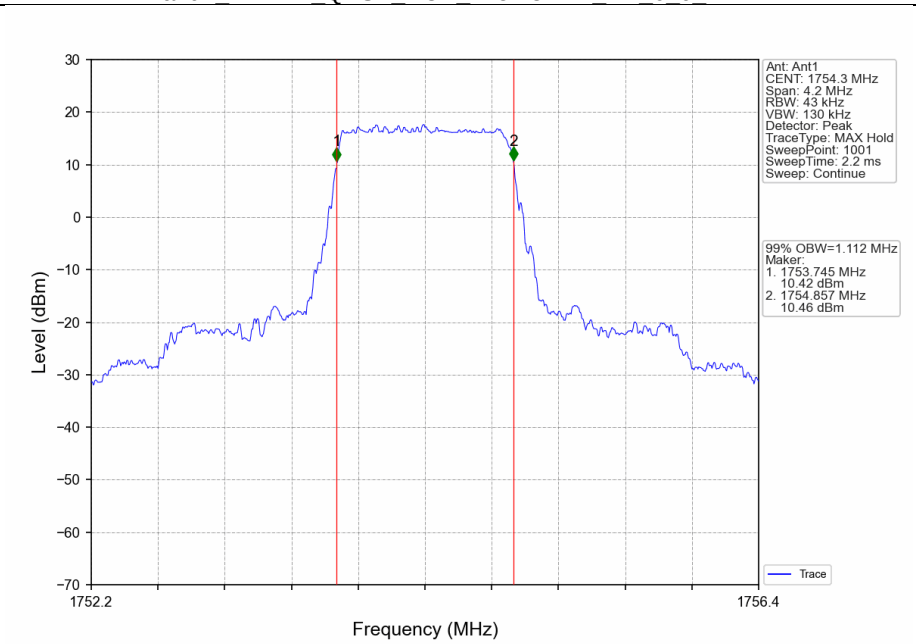
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



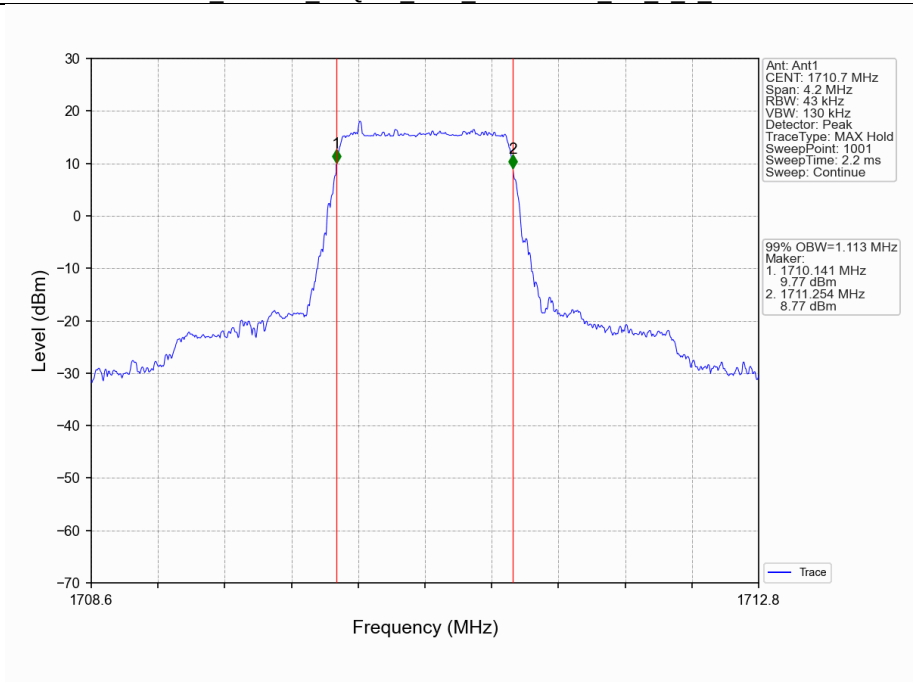
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



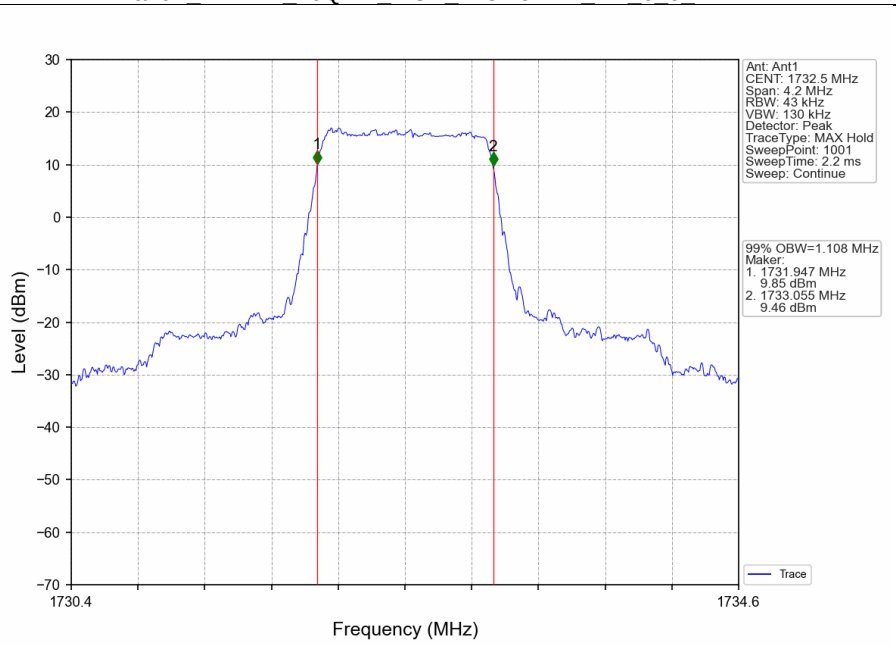
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



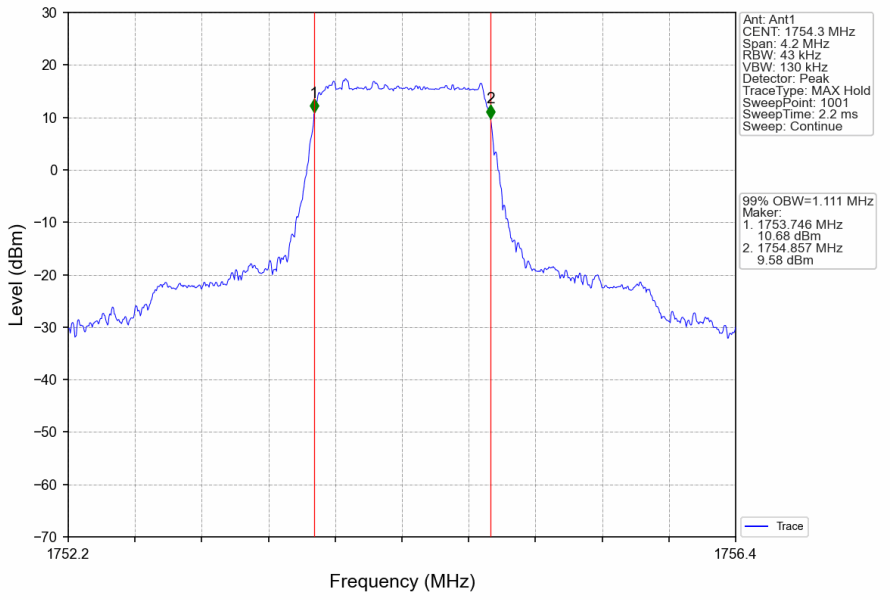
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



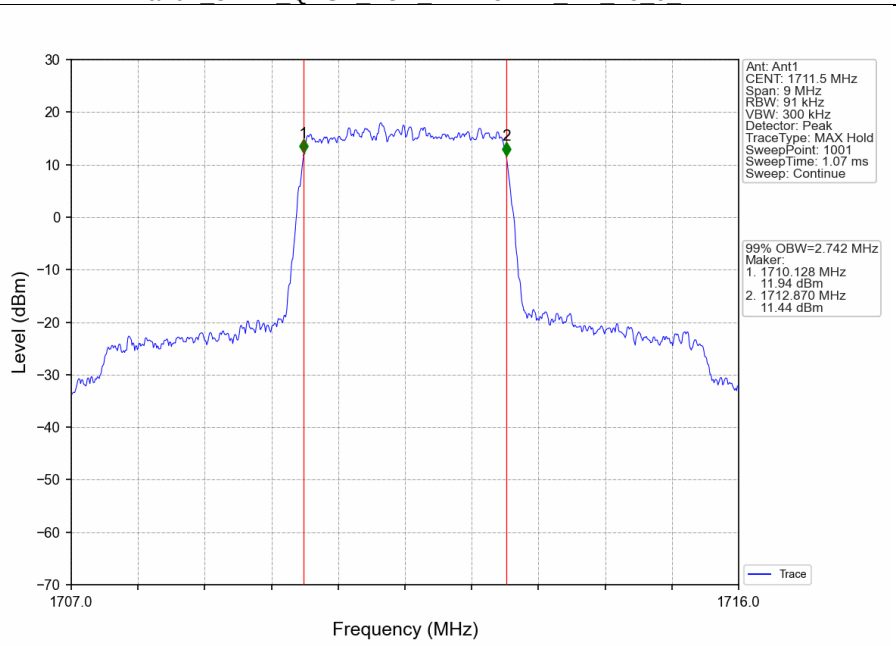
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



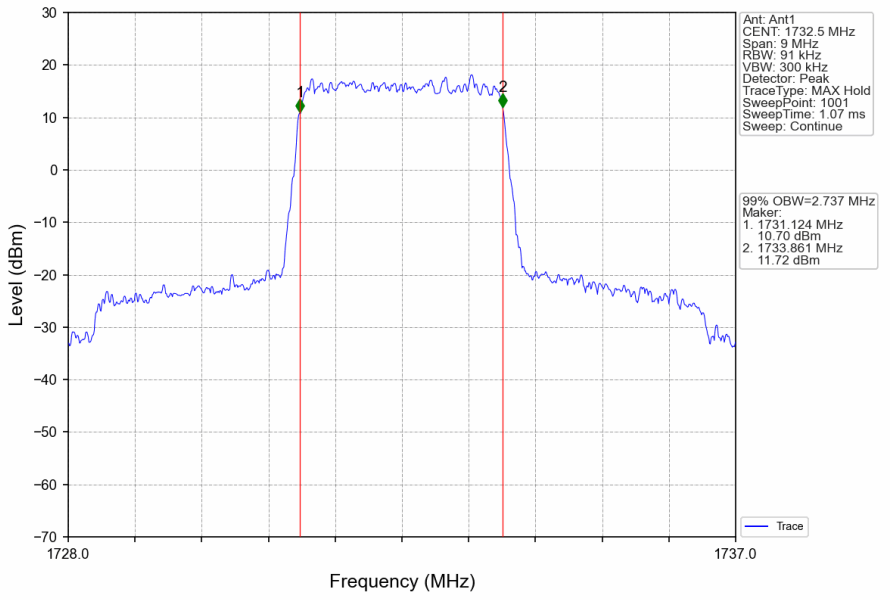
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



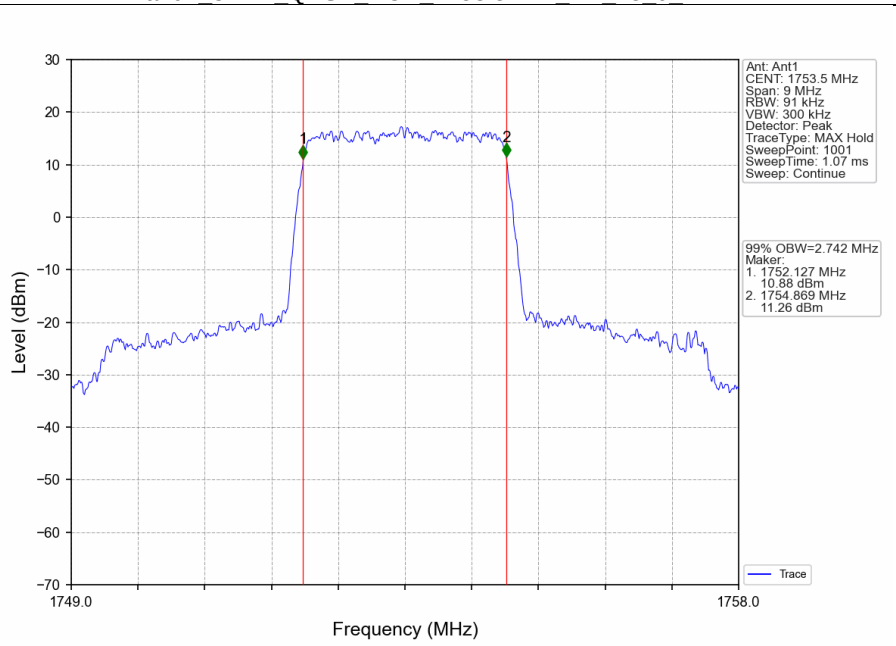
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



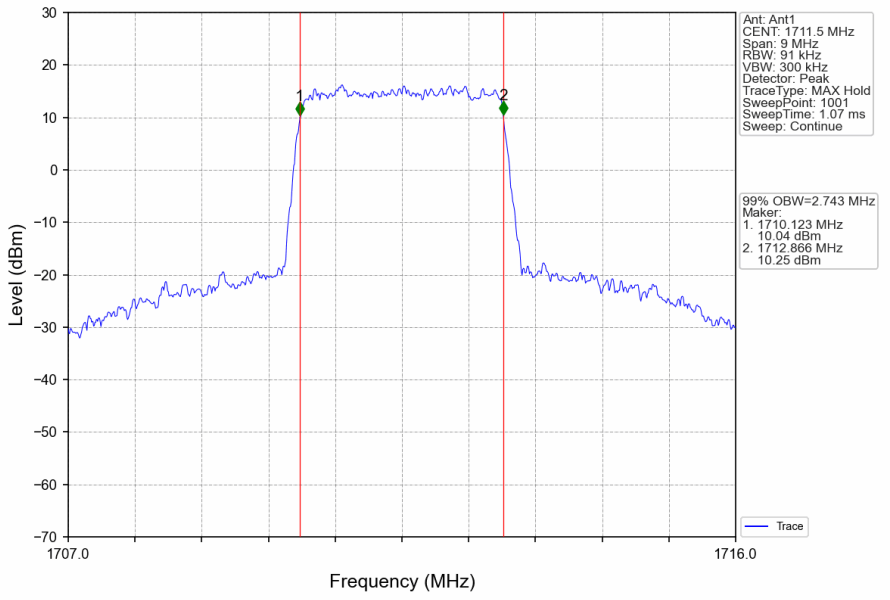
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

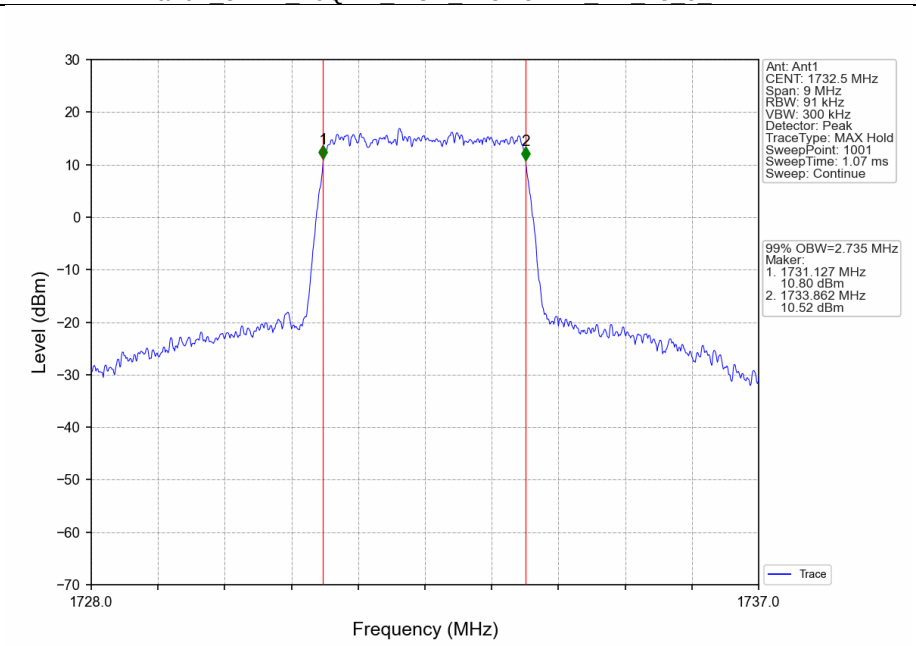


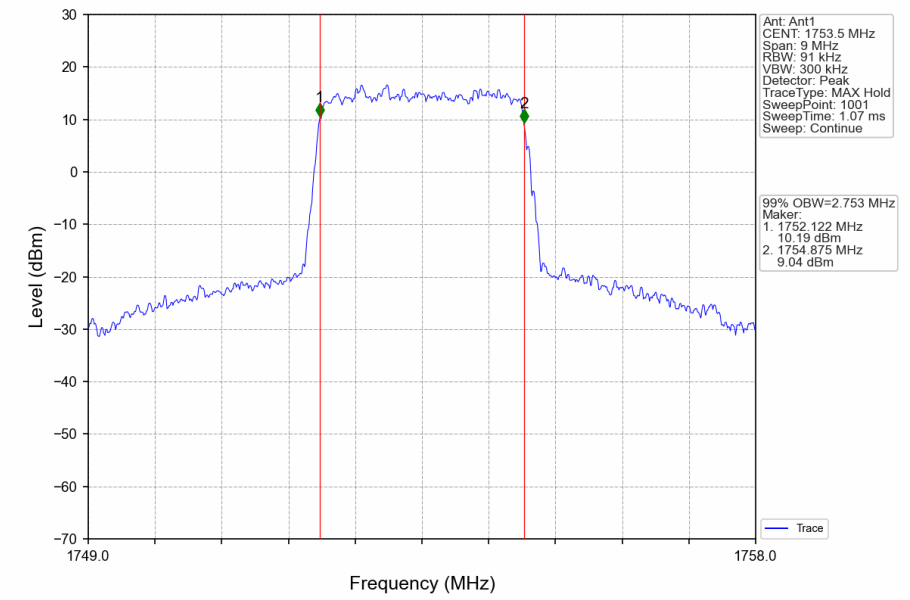
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



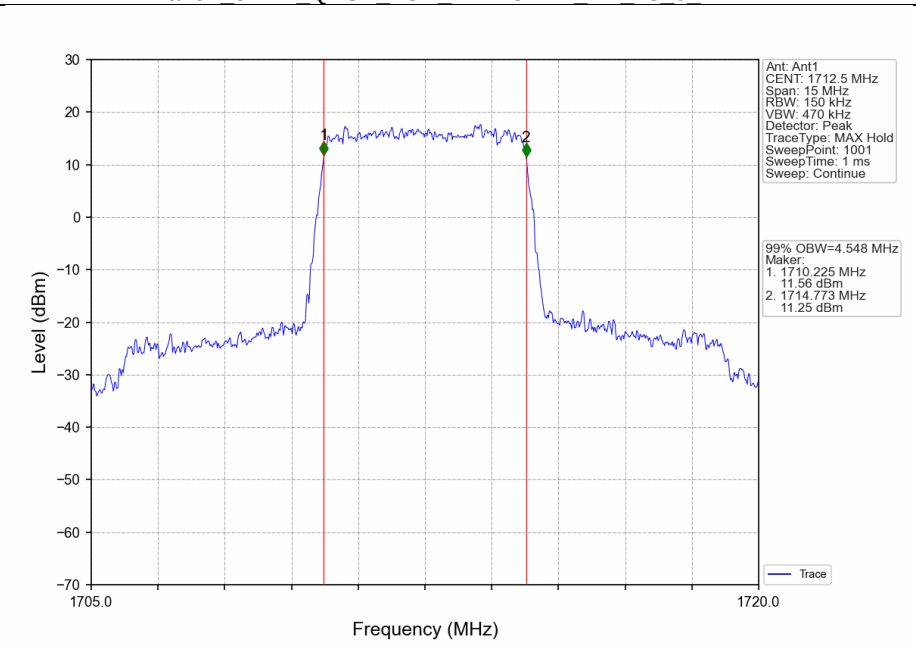
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



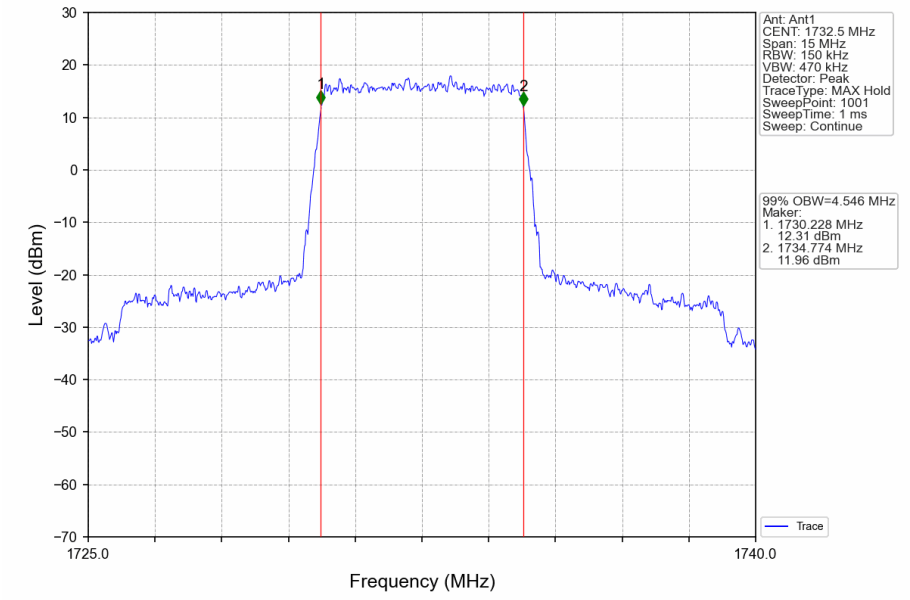
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV


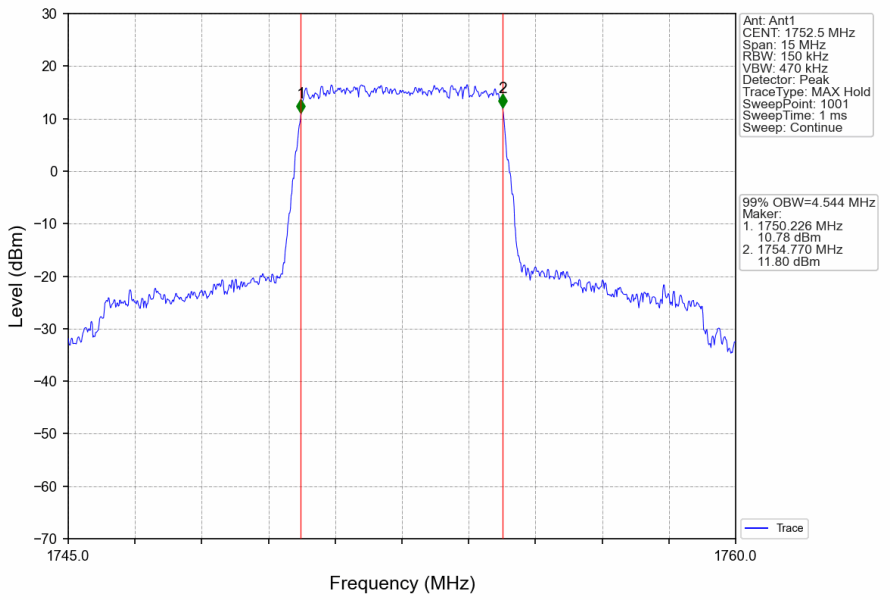
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



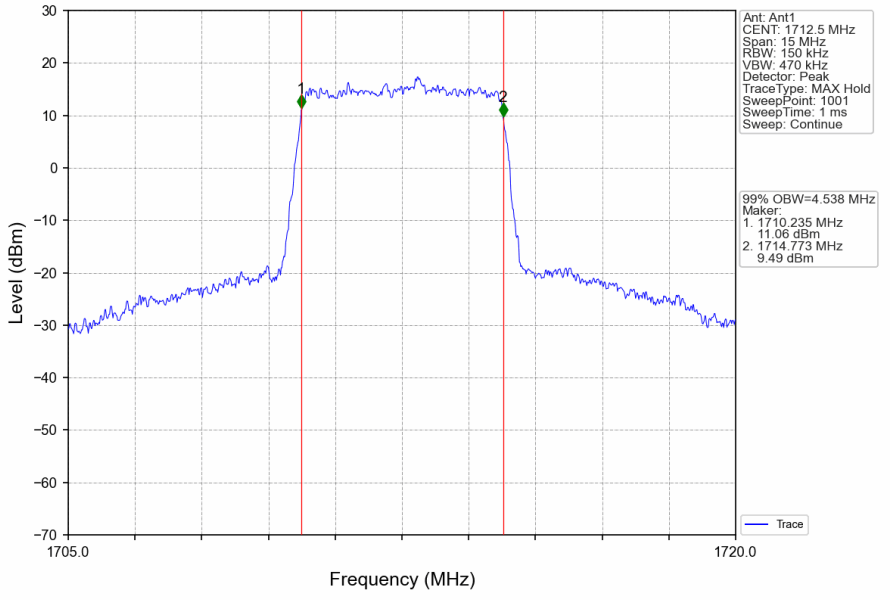
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



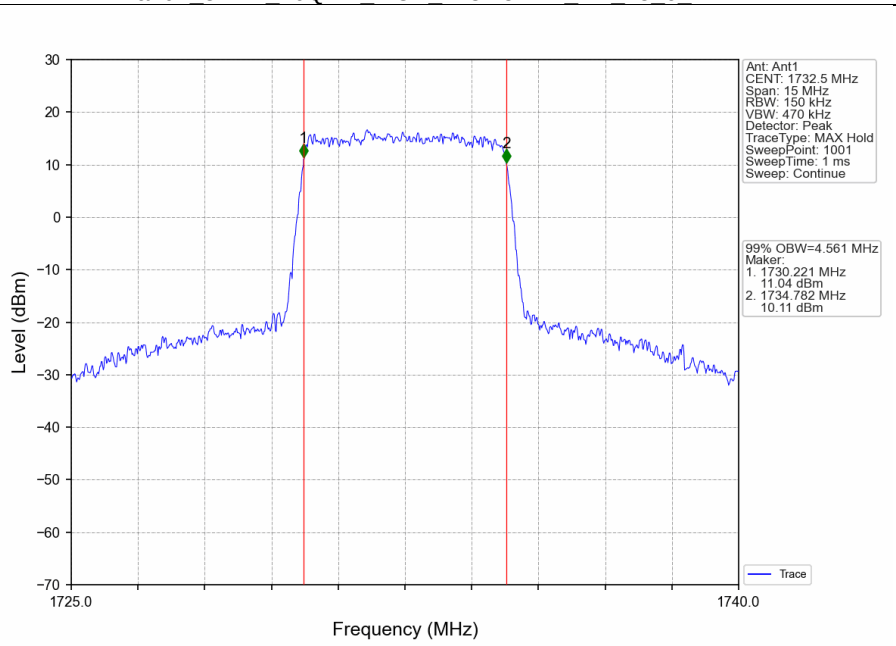
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



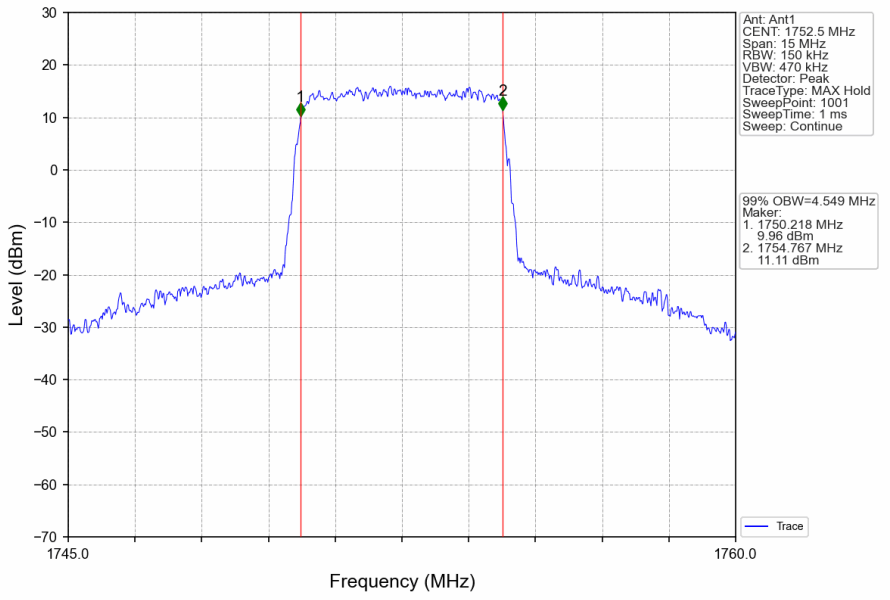
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



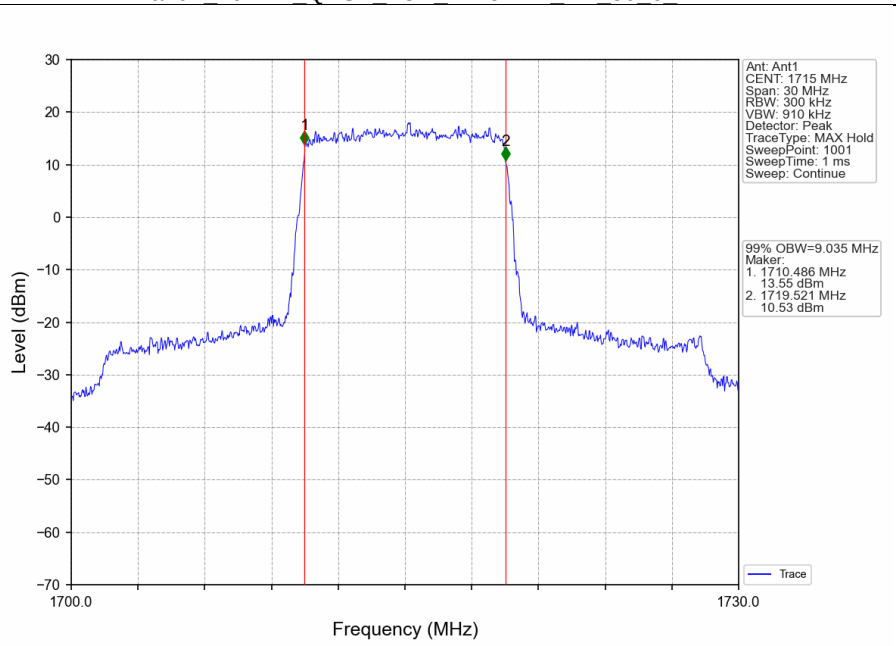
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



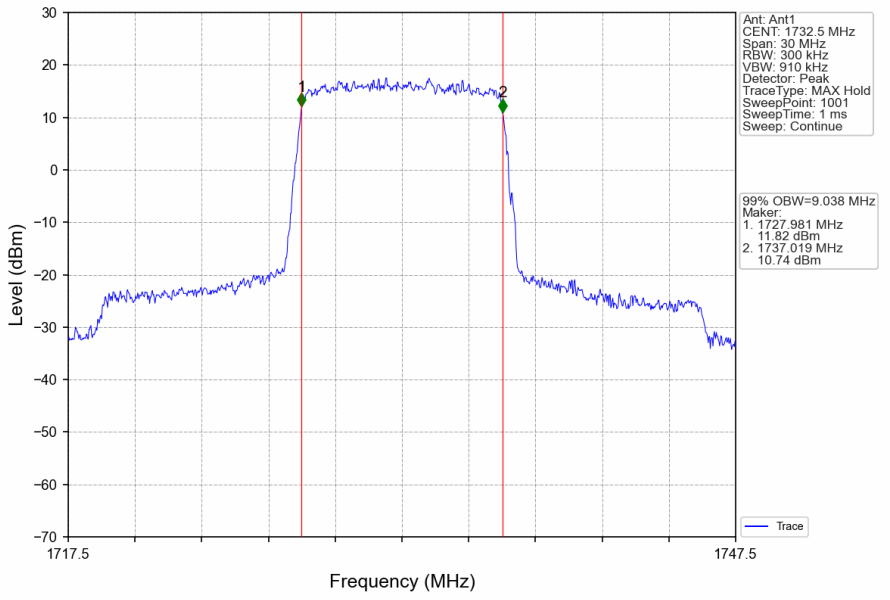
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



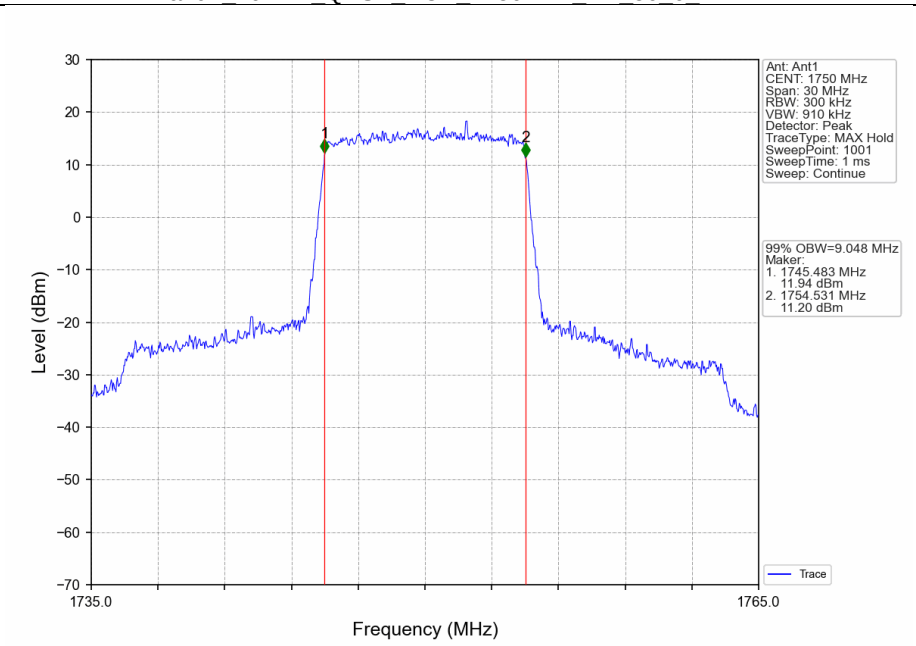
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



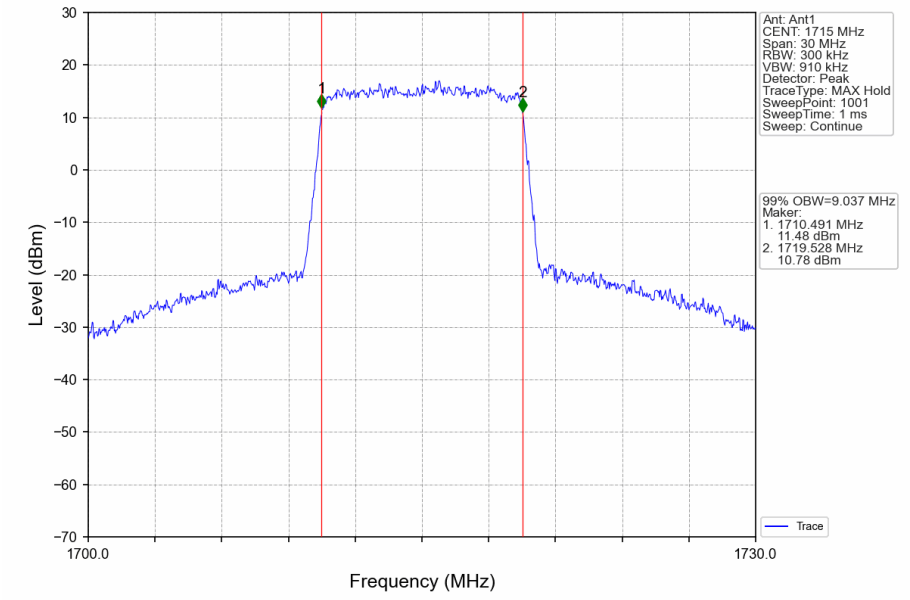
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

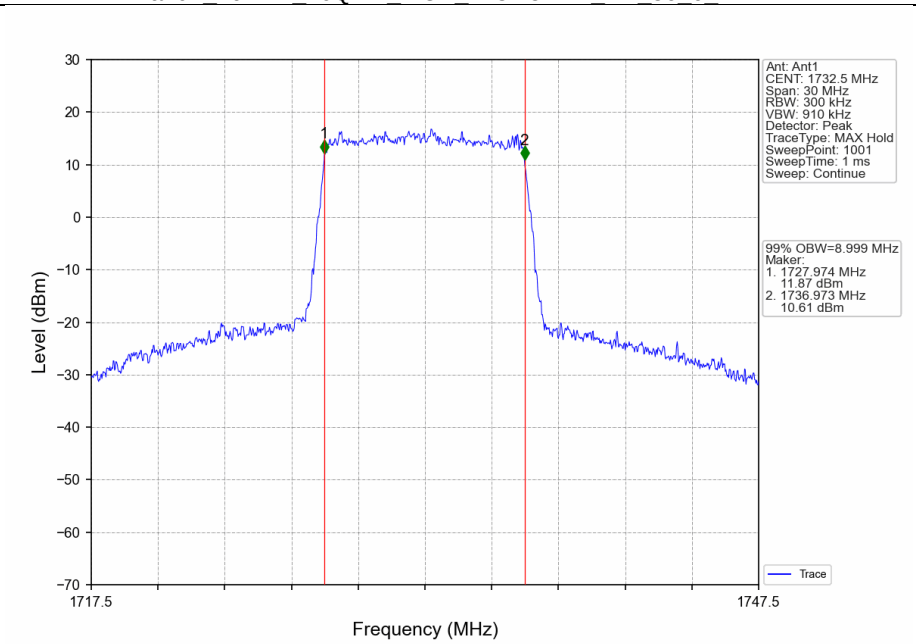


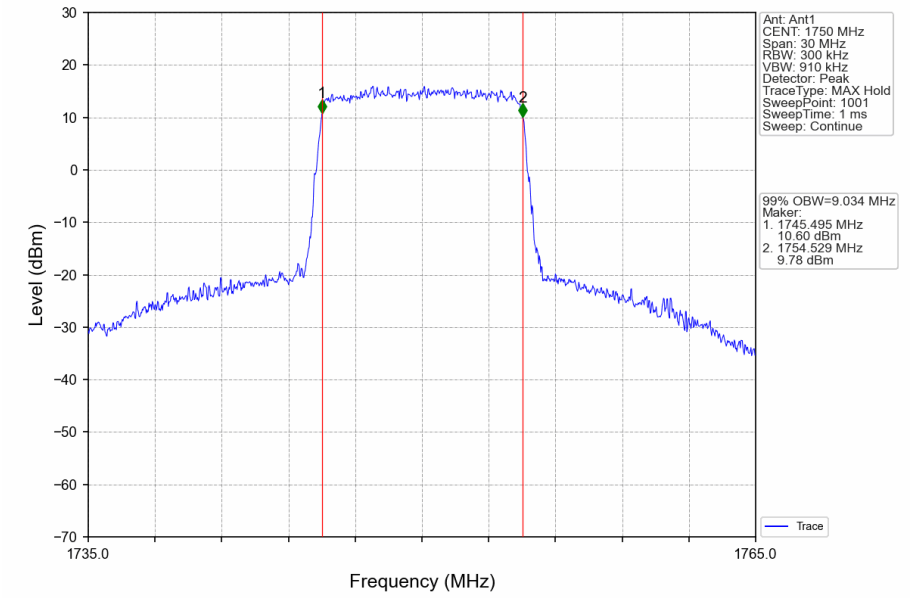
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



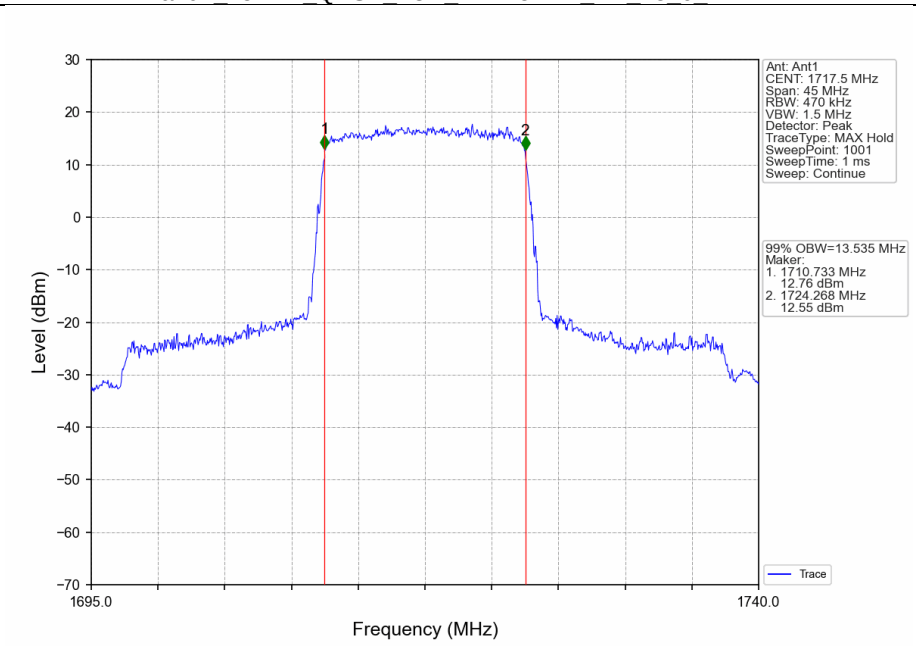
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



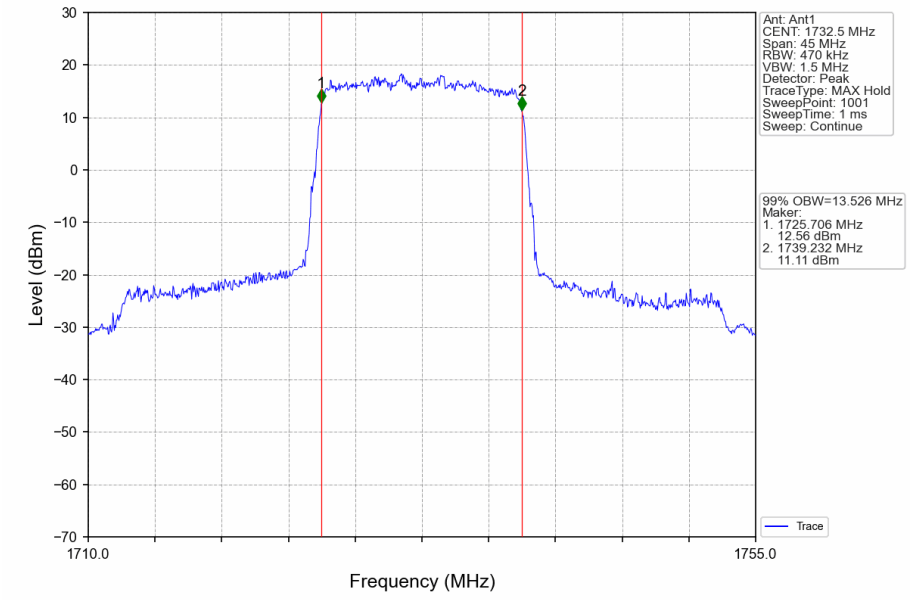
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV


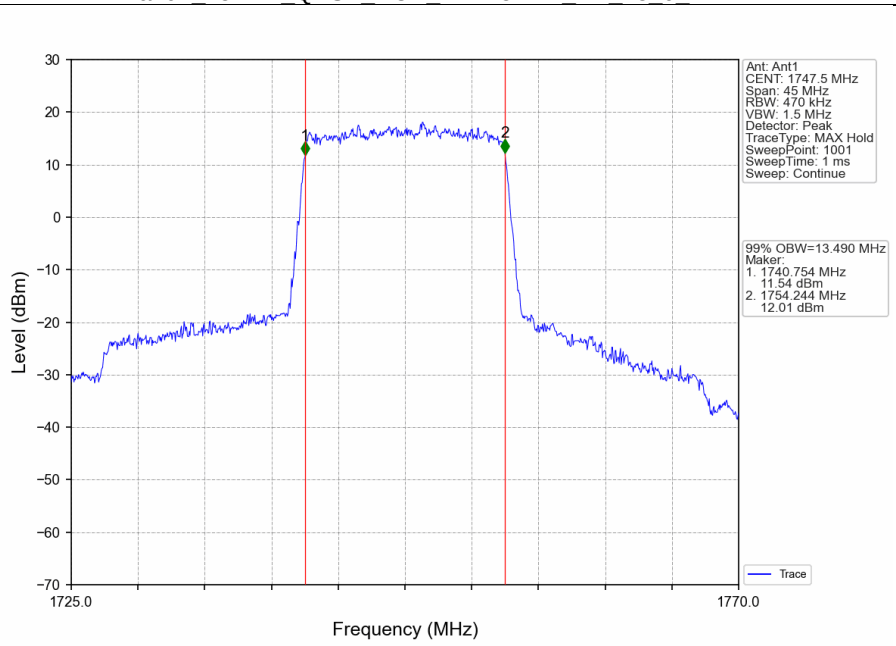
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



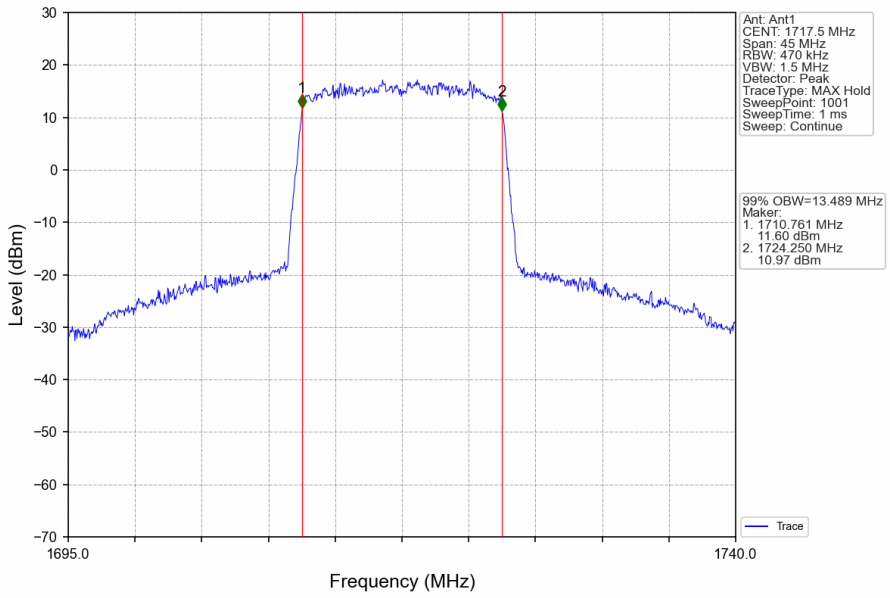
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



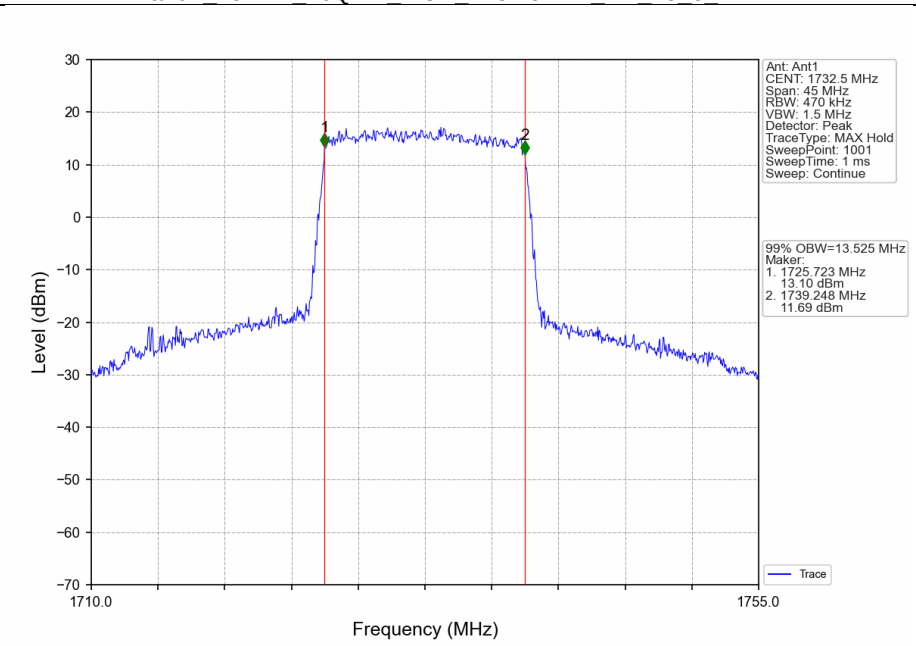
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



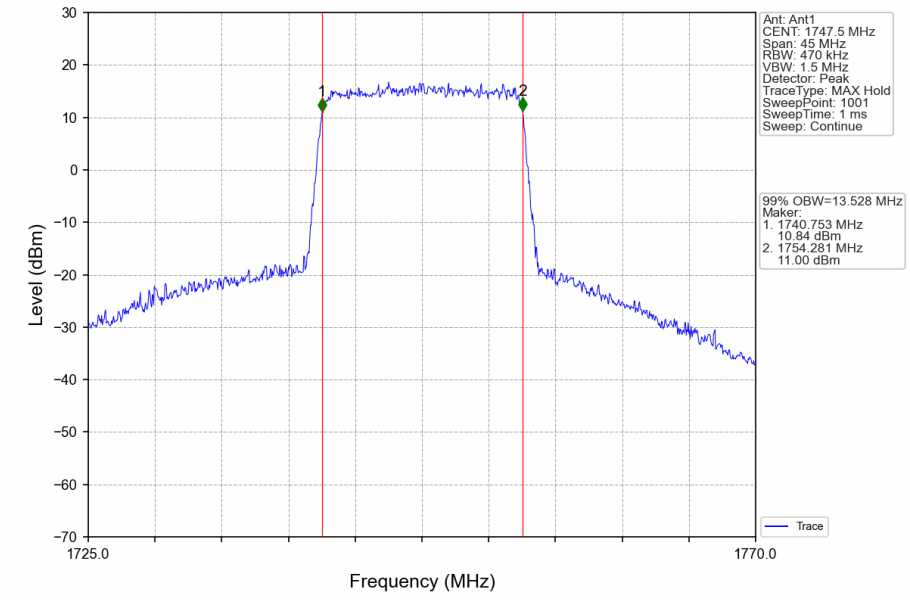
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



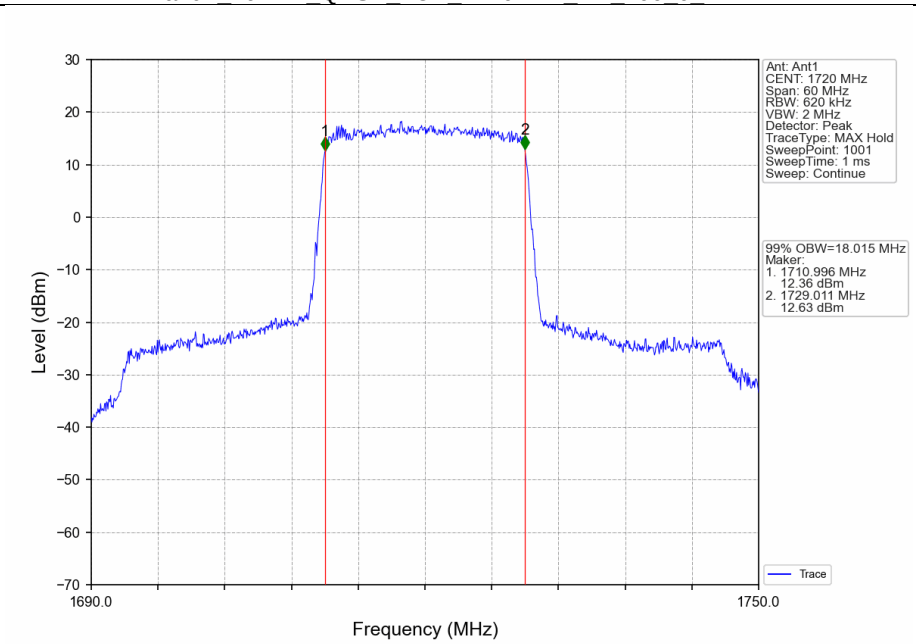
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



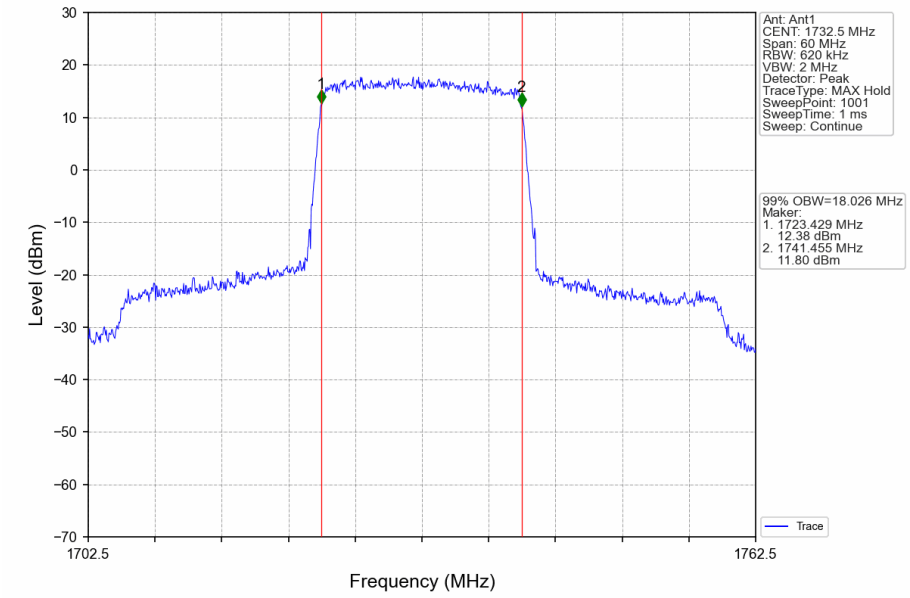
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



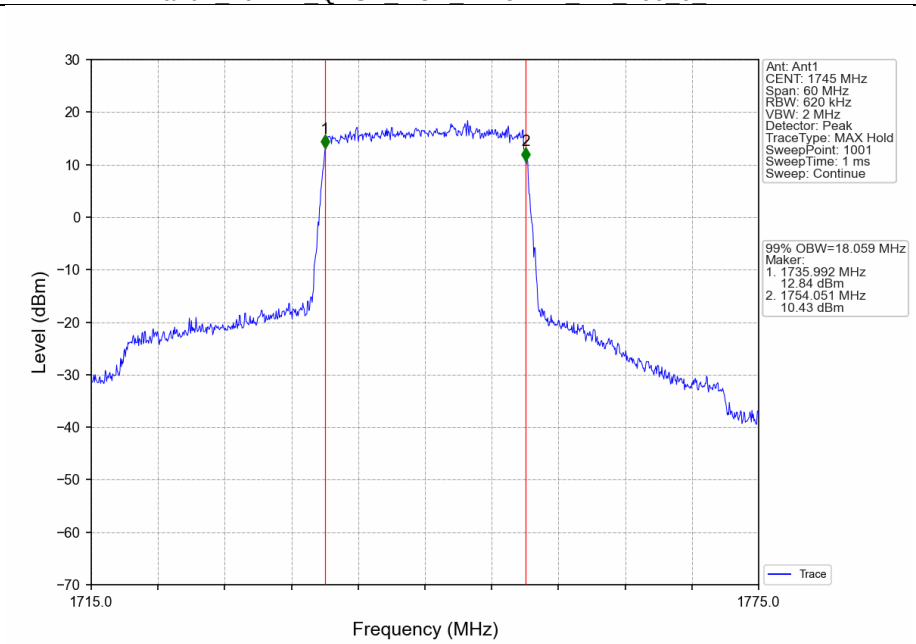
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



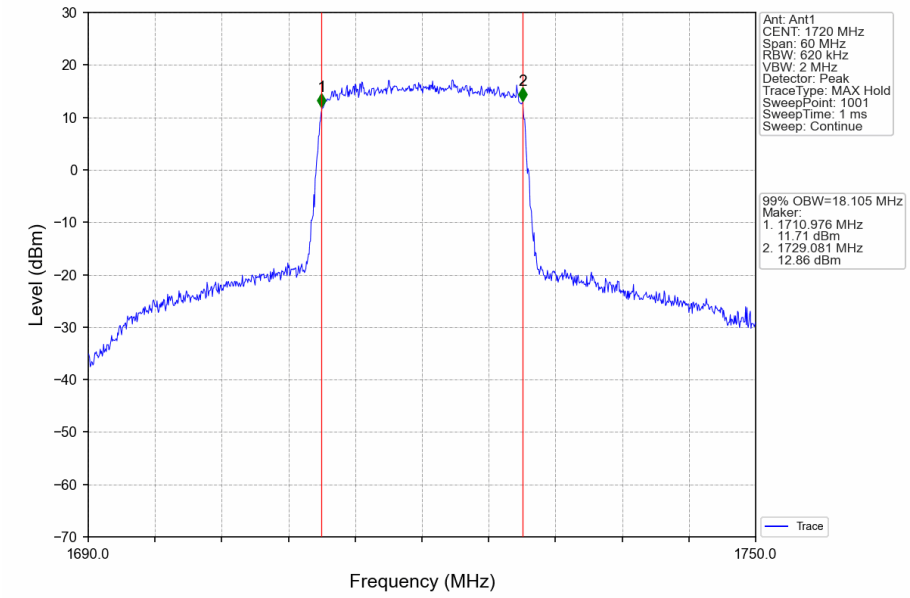
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



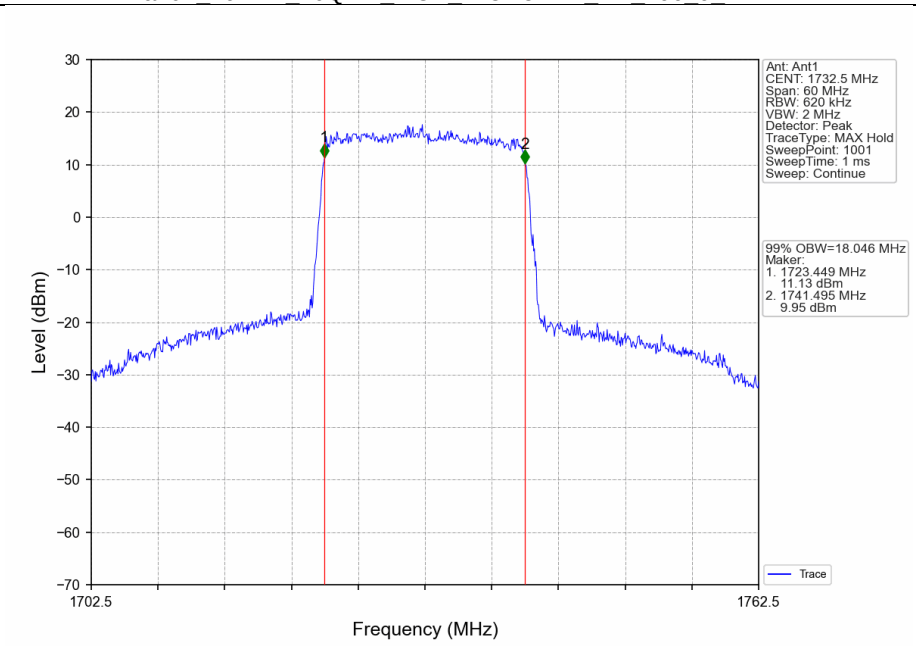
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



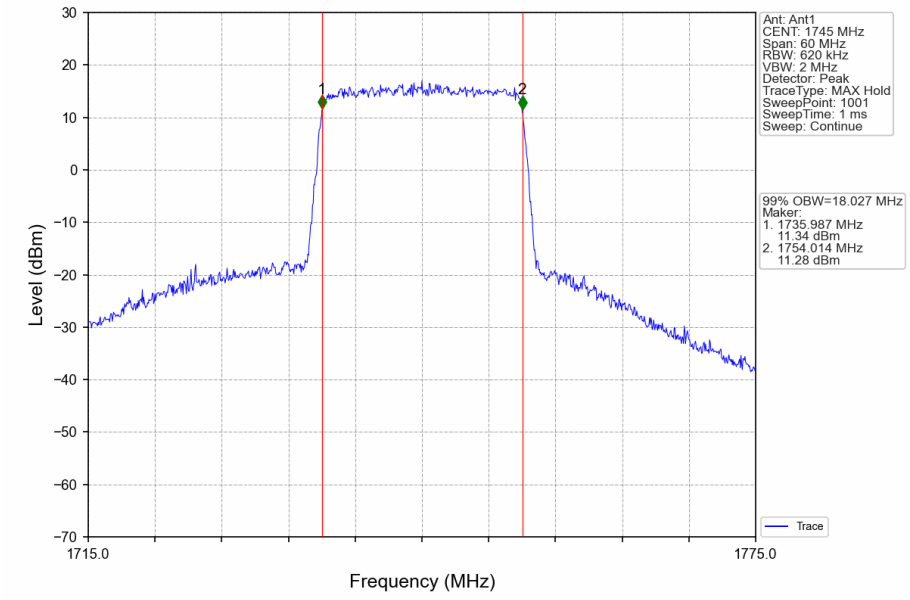
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



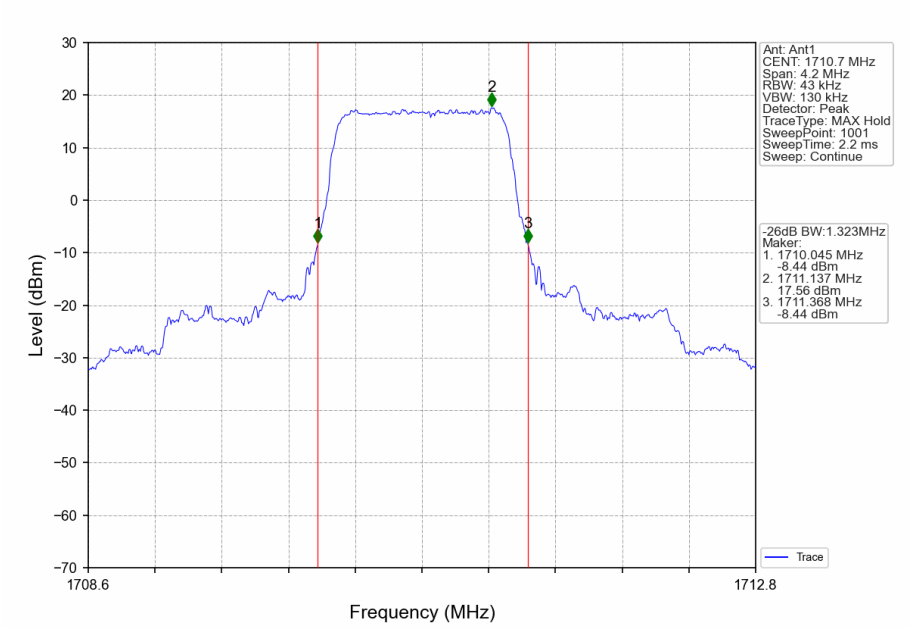
3.2 Band4_XDB

3.2.1 Test Result

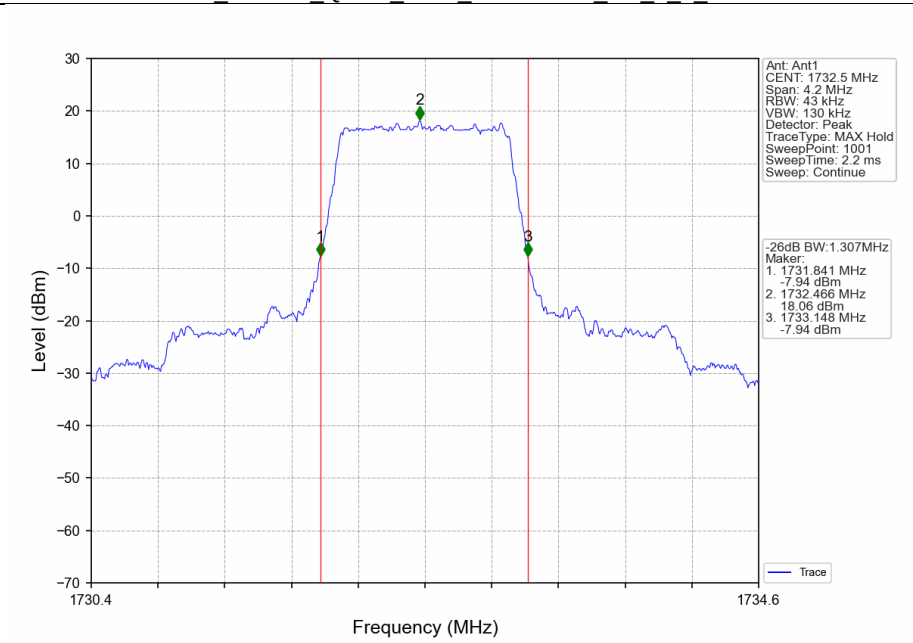
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.323	/	Pass
		1732.5	6	0	1.307	/	Pass
		1754.3	6	0	1.338	/	Pass
	16QAM	1710.7	6	0	1.333	/	Pass
		1732.5	6	0	1.319	/	Pass
		1754.3	6	0	1.303	/	Pass
3	QPSK	1711.5	15	0	3.034	/	Pass
		1732.5	15	0	3.040	/	Pass
		1753.5	15	0	3.065	/	Pass
	16QAM	1711.5	15	0	3.064	/	Pass
		1732.5	15	0	3.044	/	Pass
		1753.5	15	0	3.058	/	Pass
5	QPSK	1712.5	25	0	5.063	/	Pass
		1732.5	25	0	5.050	/	Pass
		1752.5	25	0	5.085	/	Pass
	16QAM	1712.5	25	0	5.050	/	Pass
		1732.5	25	0	5.057	/	Pass
		1752.5	25	0	5.094	/	Pass
10	QPSK	1715	50	0	9.908	/	Pass
		1732.5	50	0	10.059	/	Pass
		1750	50	0	9.916	/	Pass
	16QAM	1715	50	0	10.021	/	Pass
		1732.5	50	0	9.930	/	Pass
		1750	50	0	9.974	/	Pass
15	QPSK	1717.5	75	0	14.954	/	Pass
		1732.5	75	0	14.955	/	Pass
		1747.5	75	0	14.866	/	Pass
	16QAM	1717.5	75	0	14.920	/	Pass
		1732.5	75	0	14.860	/	Pass
		1747.5	75	0	14.946	/	Pass
20	QPSK	1720	100	0	19.770	/	Pass
		1732.5	100	0	19.841	/	Pass
		1745	100	0	19.788	/	Pass
	16QAM	1720	100	0	19.670	/	Pass
		1732.5	100	0	19.712	/	Pass
		1745	100	0	19.797	/	Pass

3.2.2 Test Graph

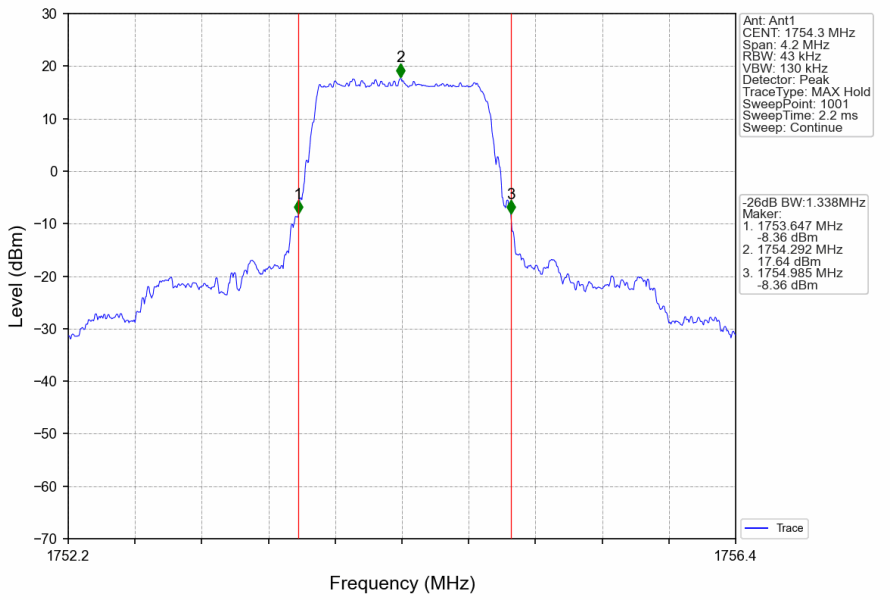
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



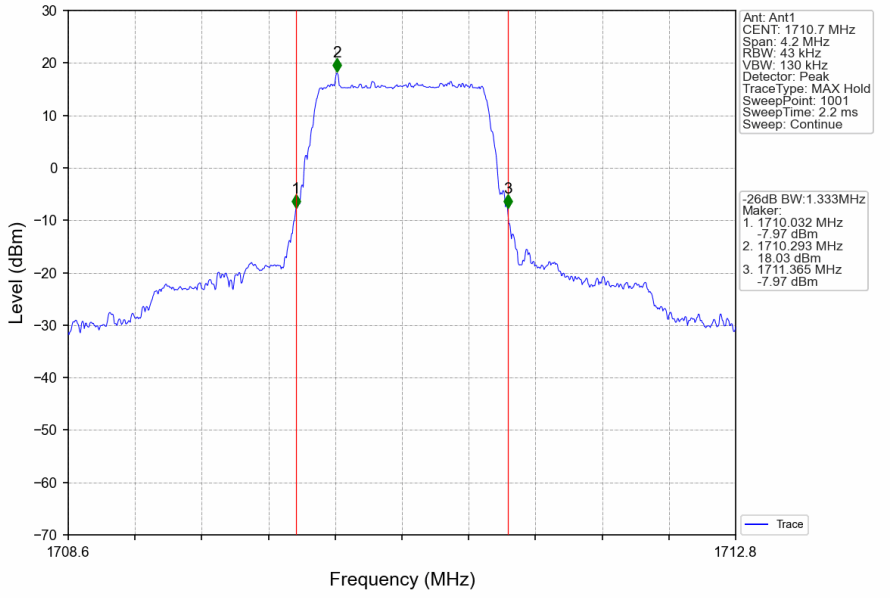
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



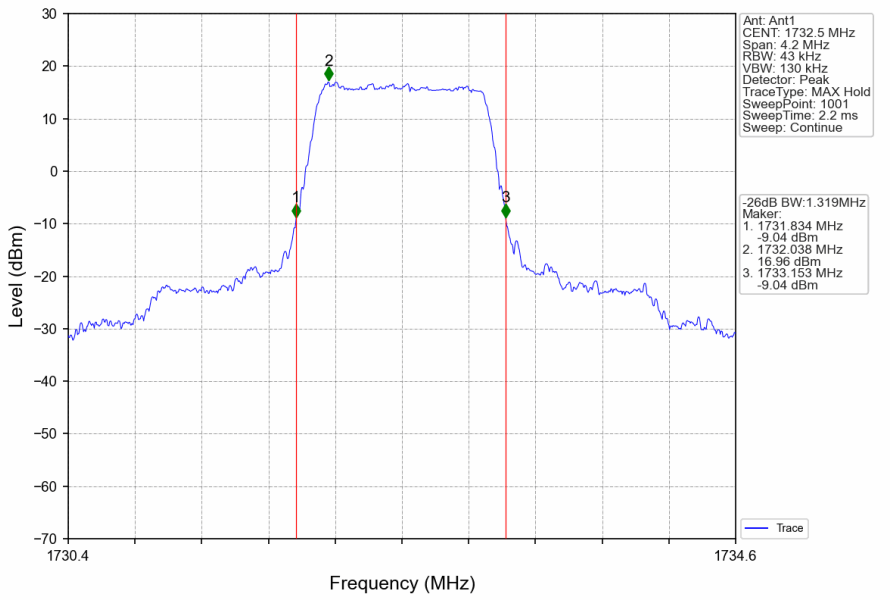
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



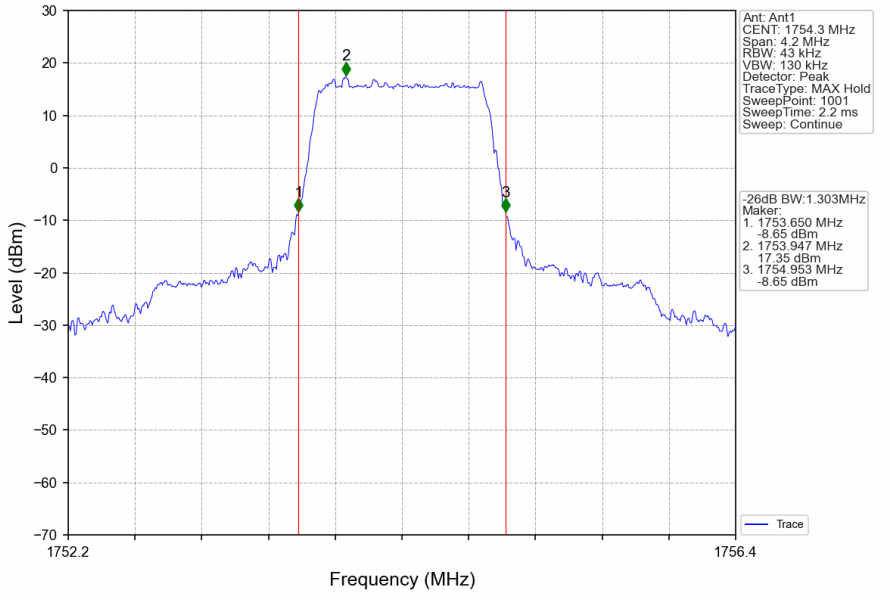
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



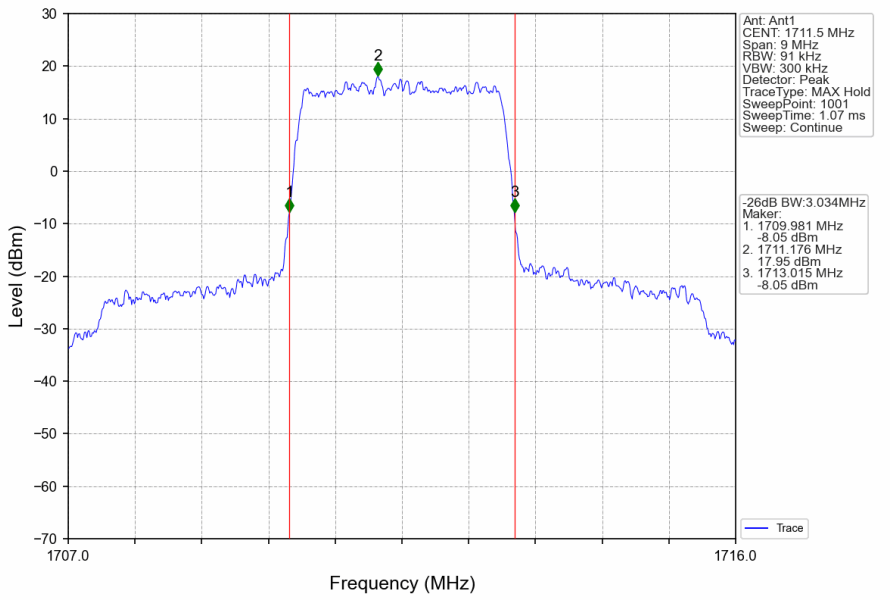
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



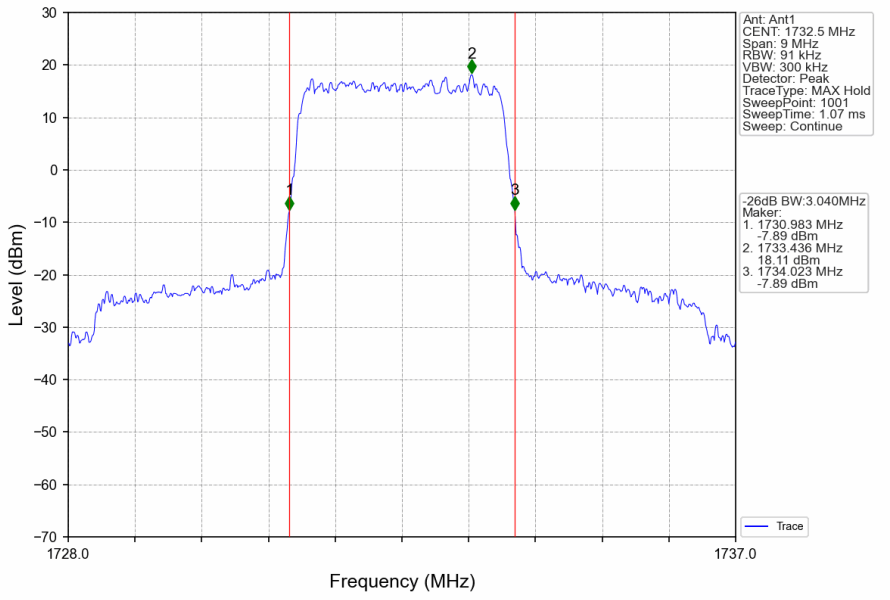
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



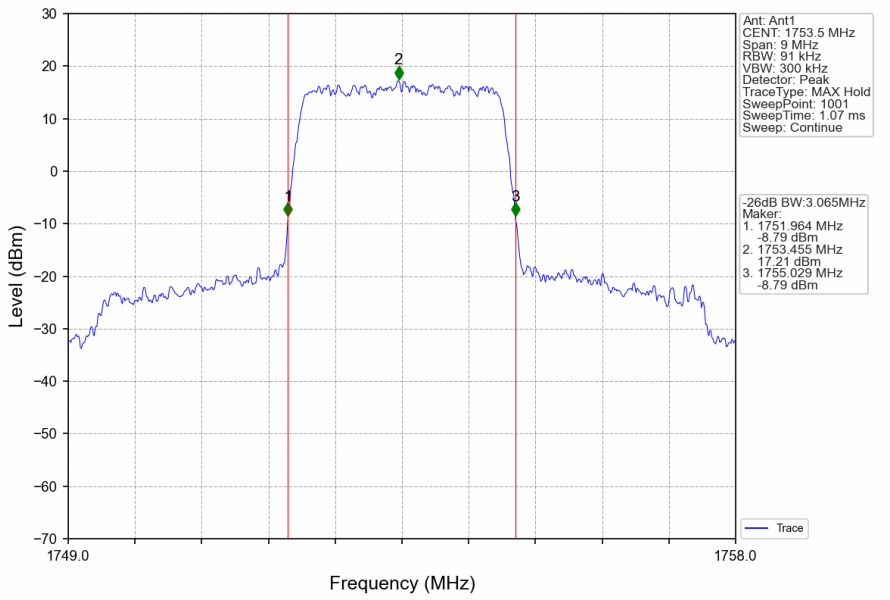
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



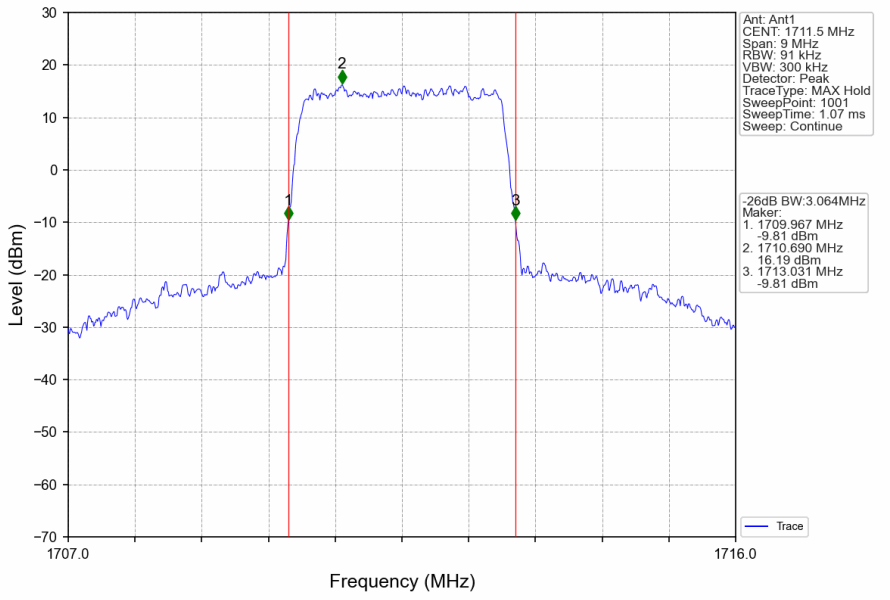
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



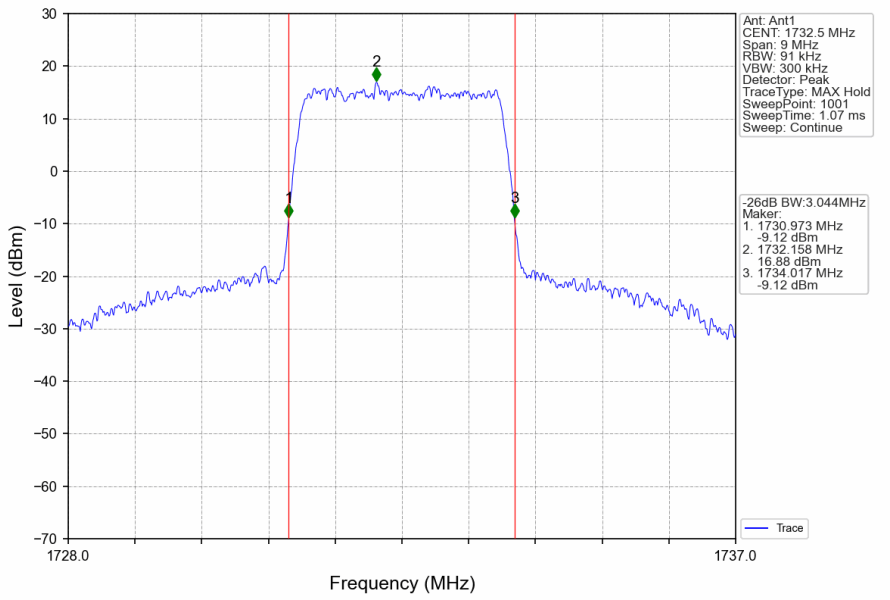
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



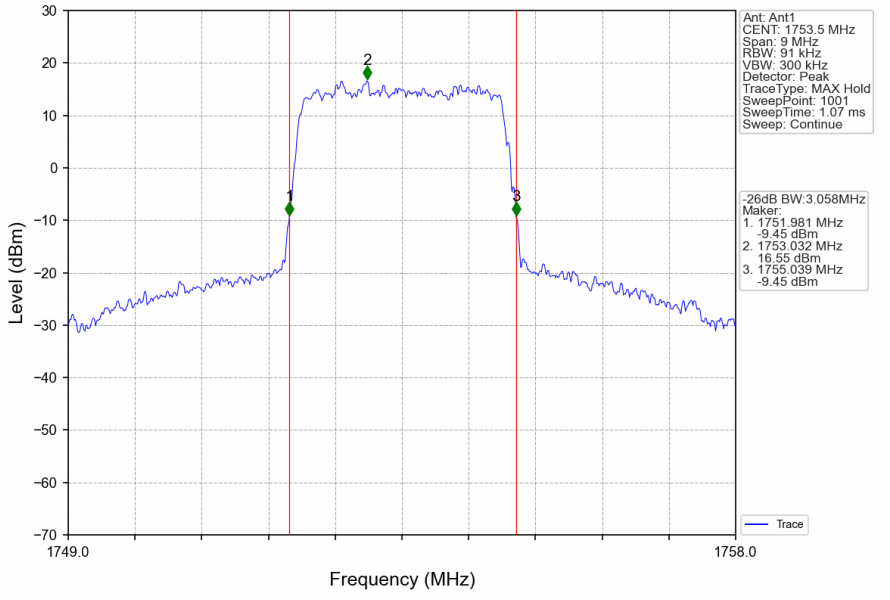
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



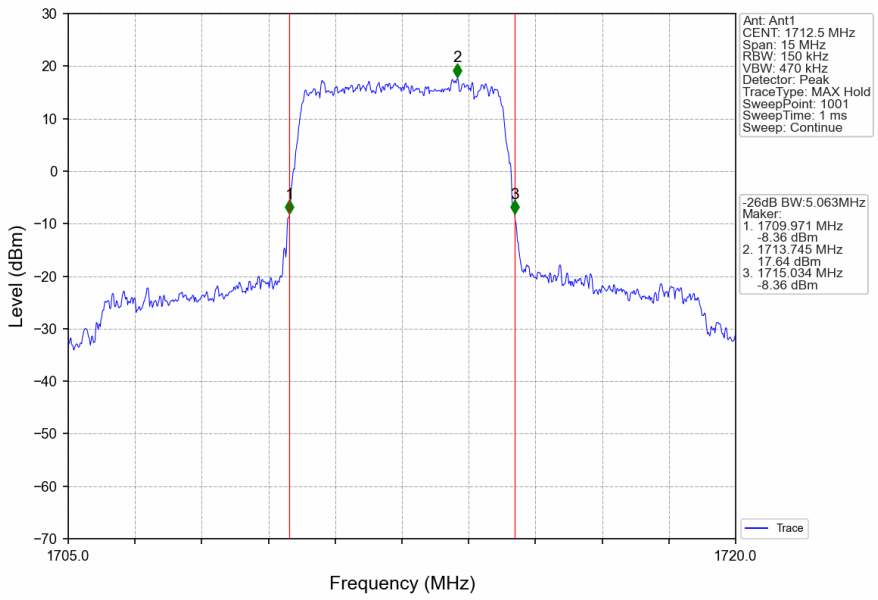
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



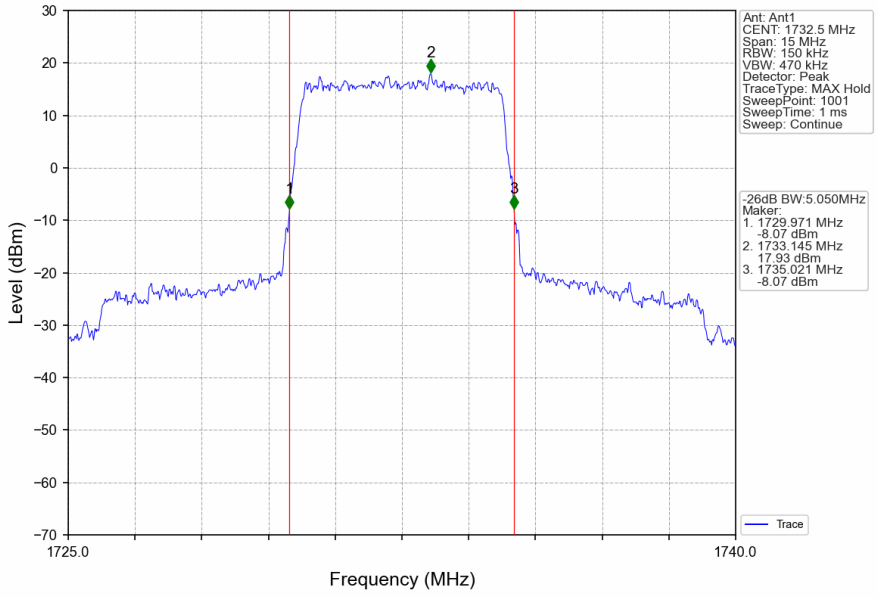
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



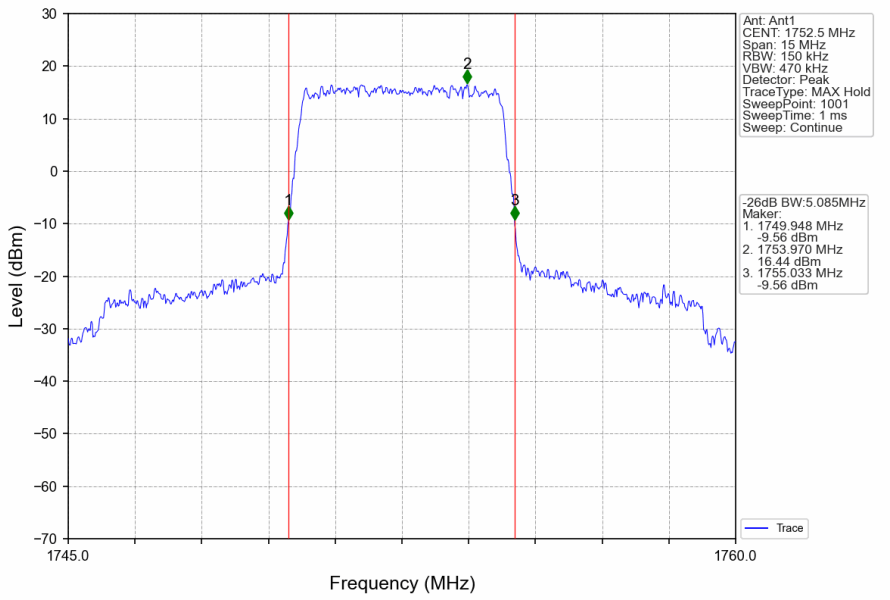
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



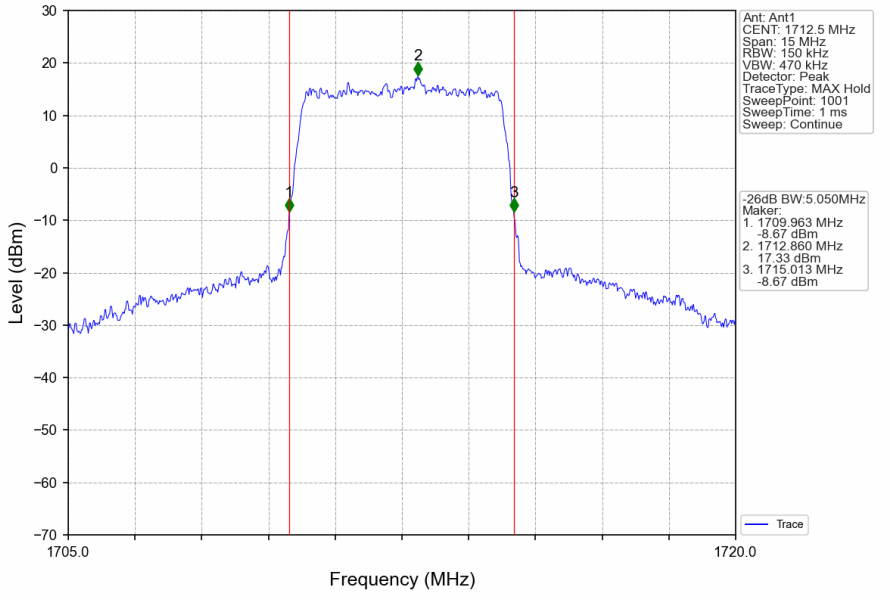
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



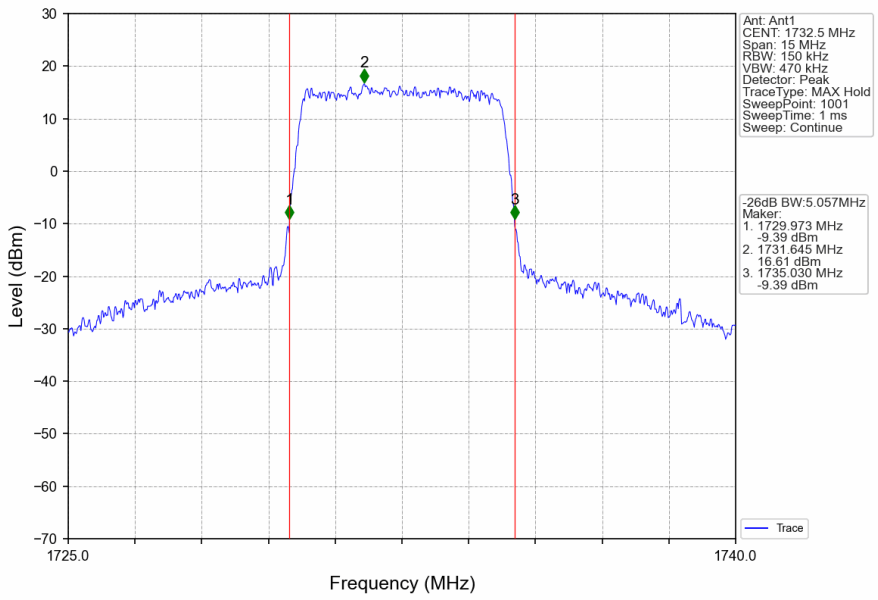
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



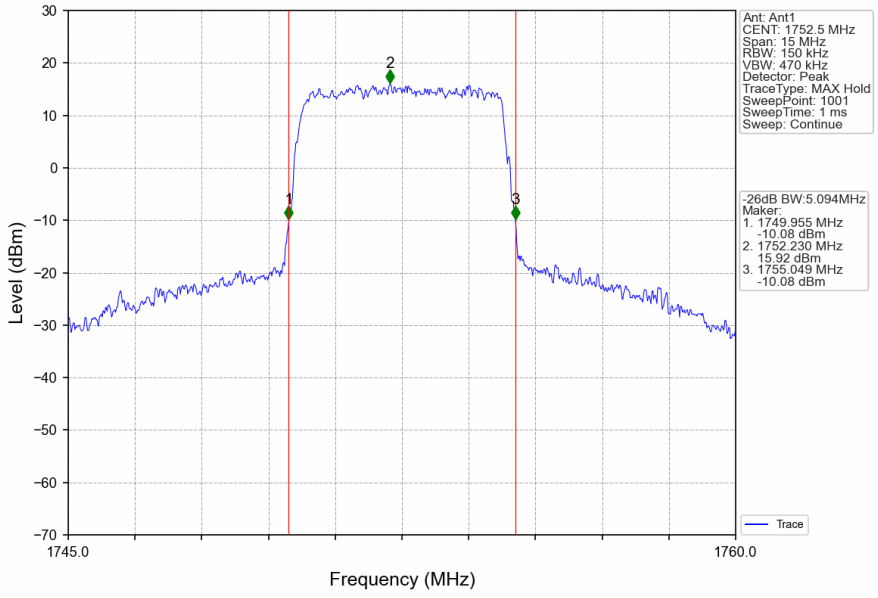
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



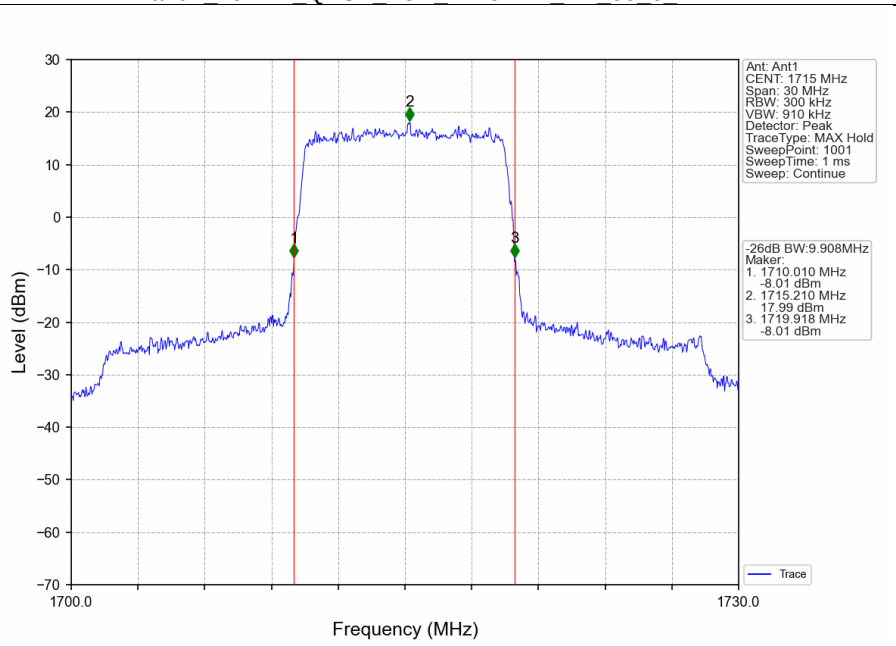
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



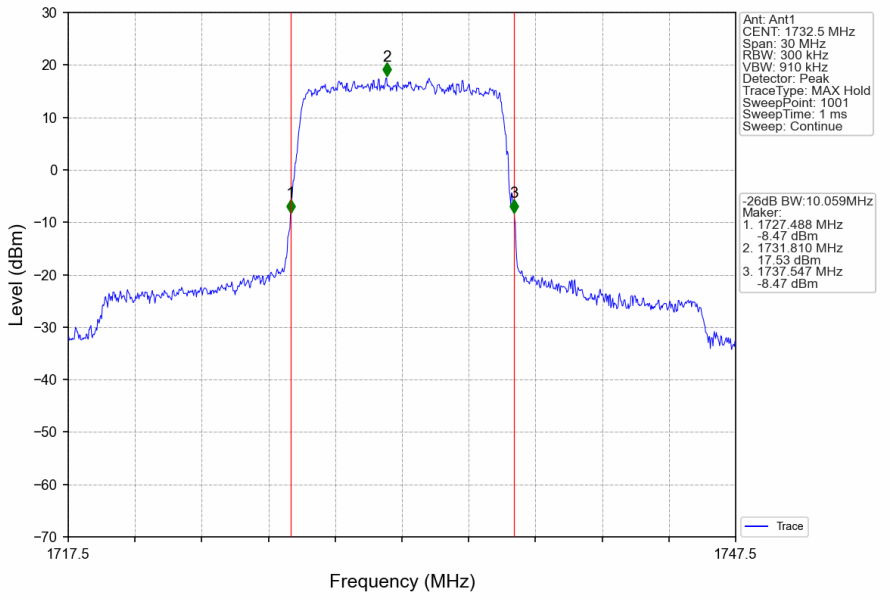
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



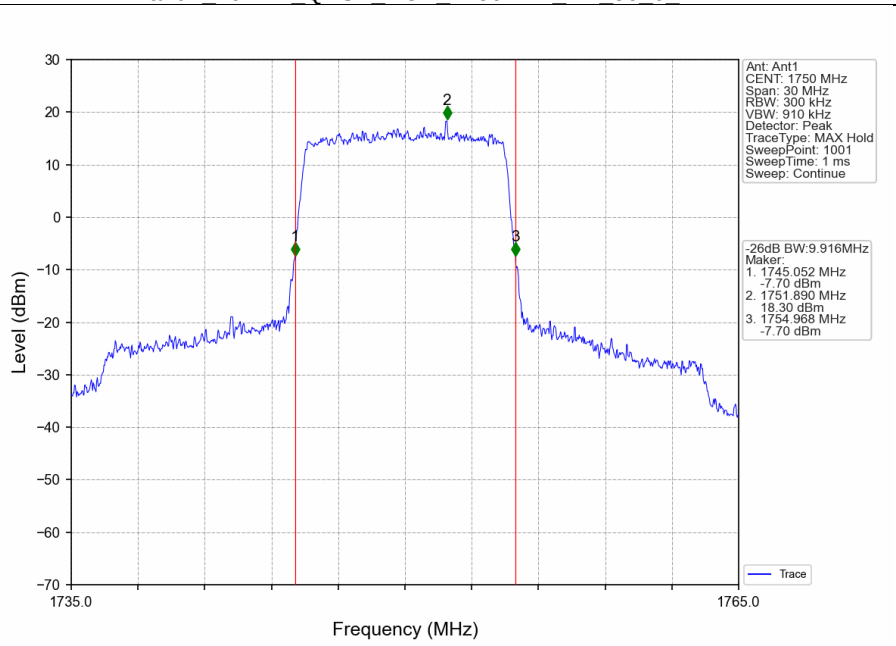
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



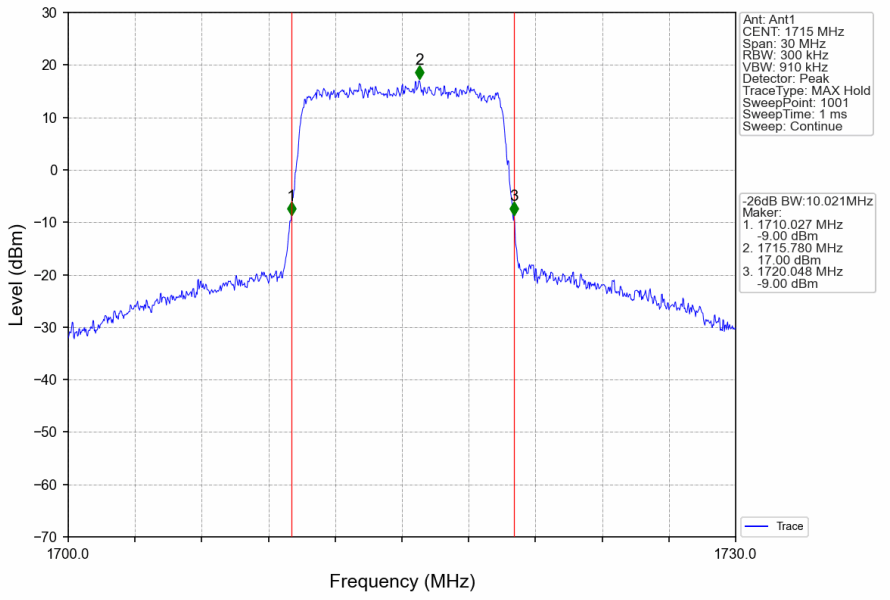
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



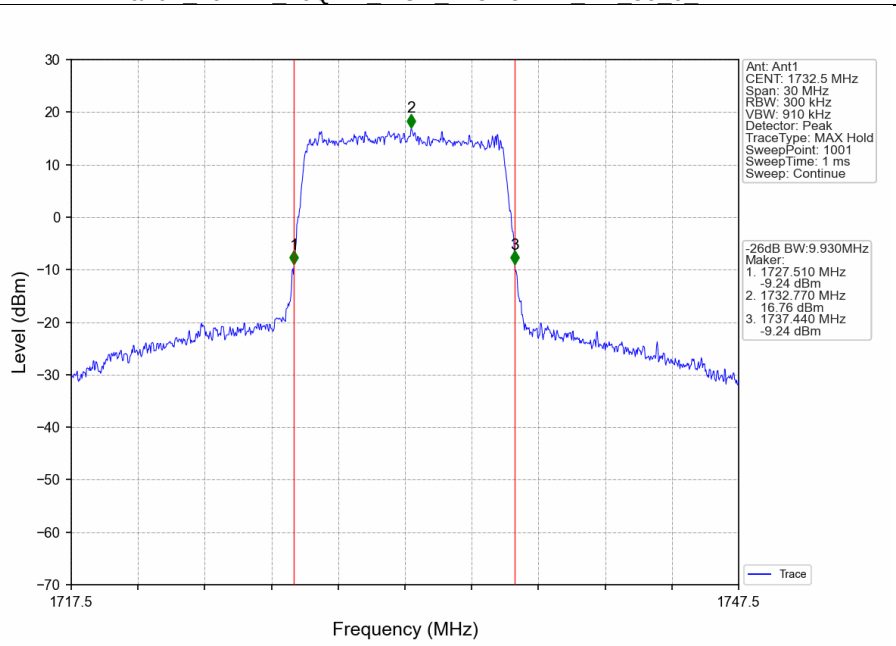
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



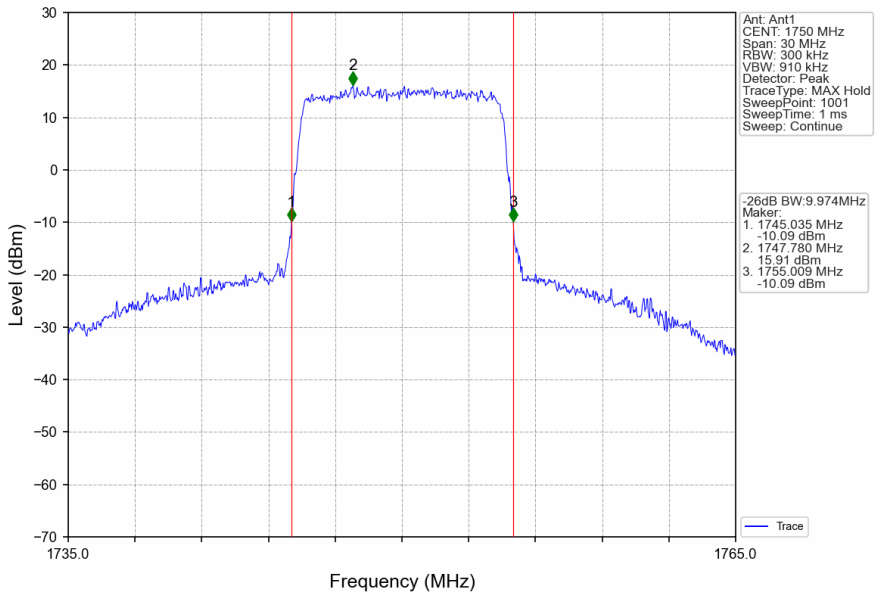
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



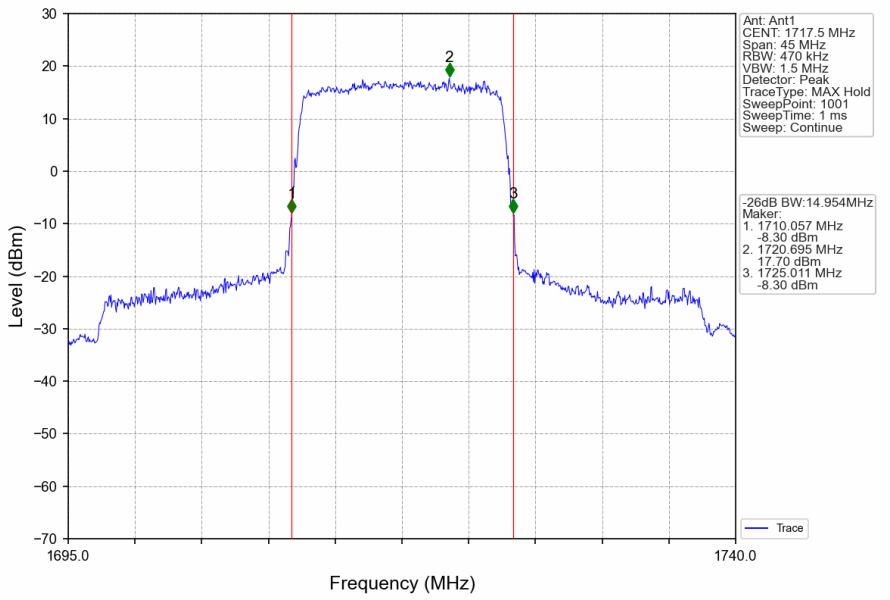
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



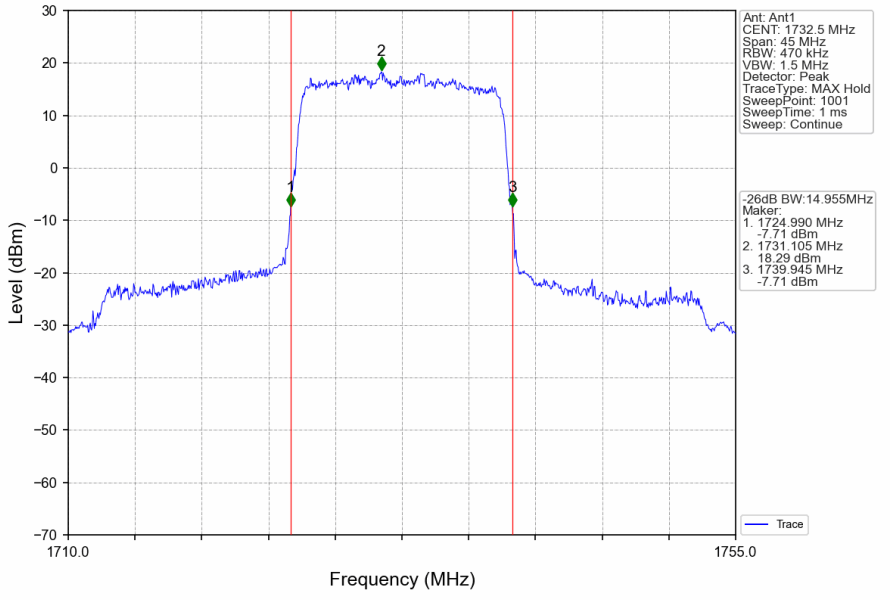
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



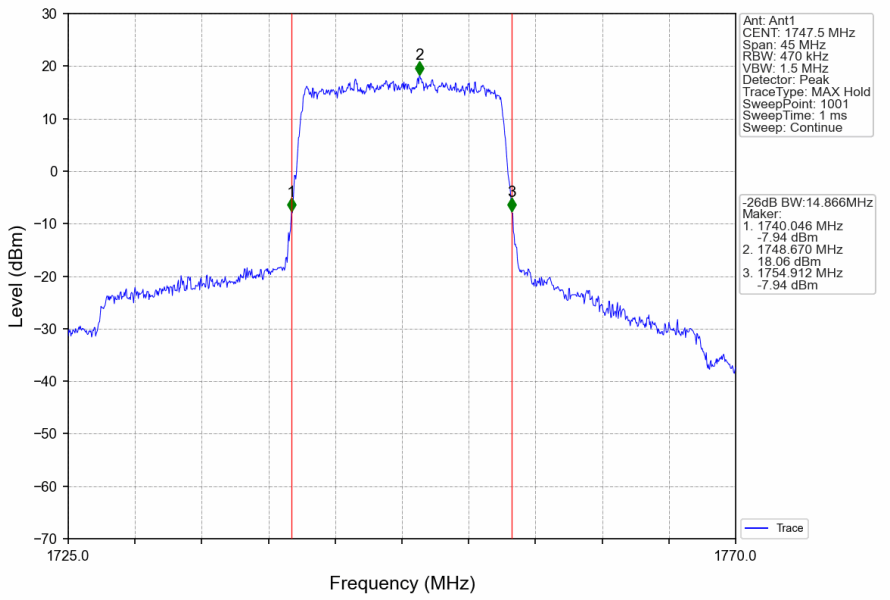
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



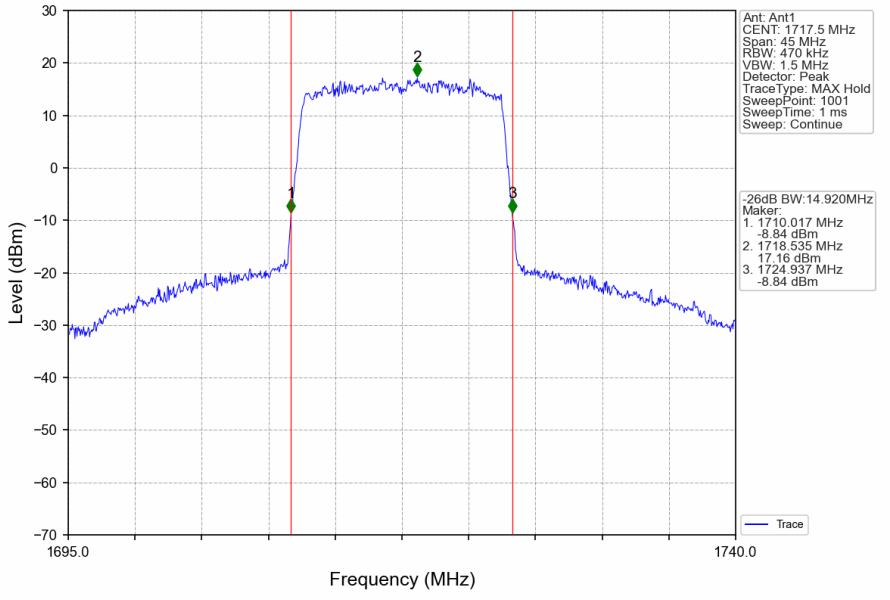
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



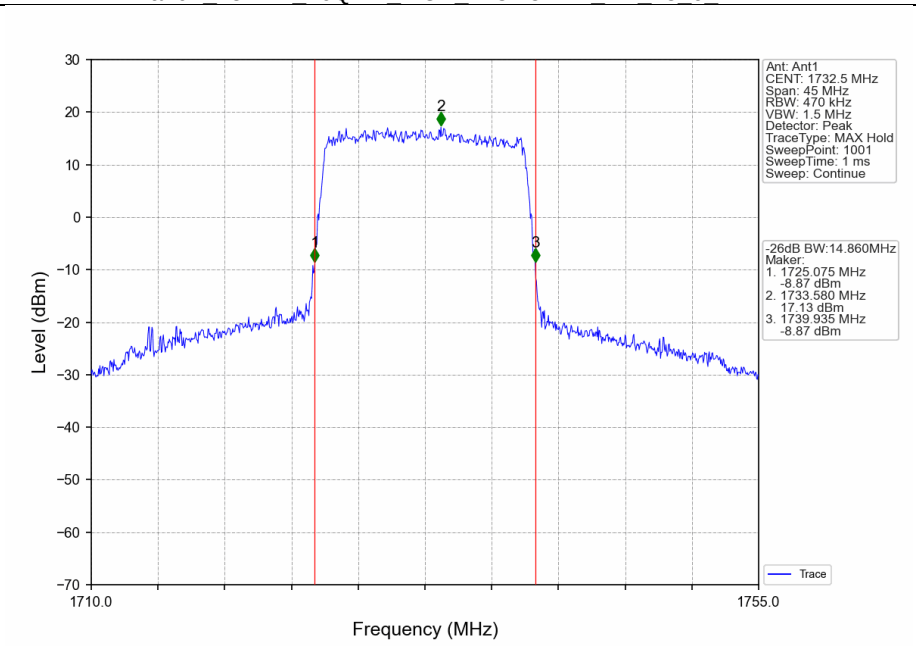
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



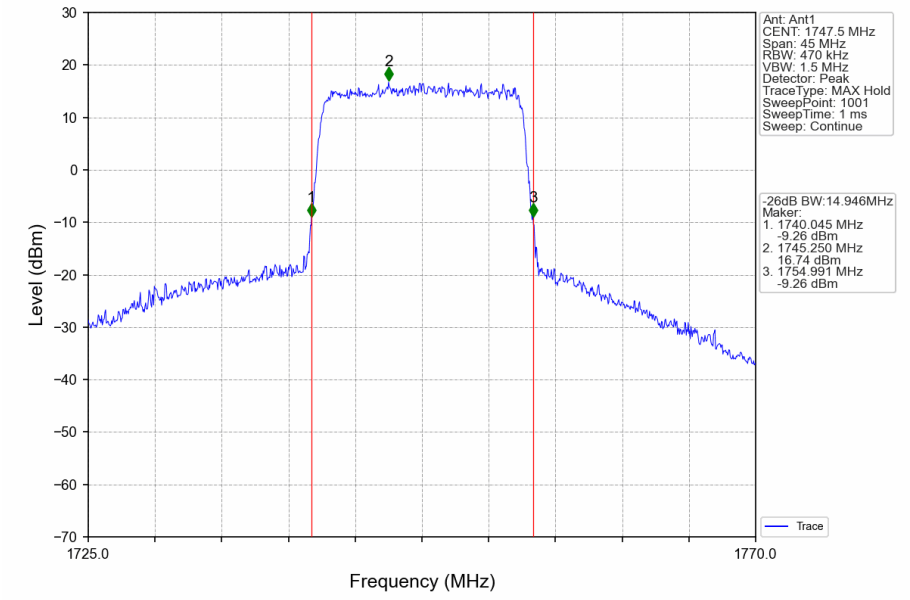
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



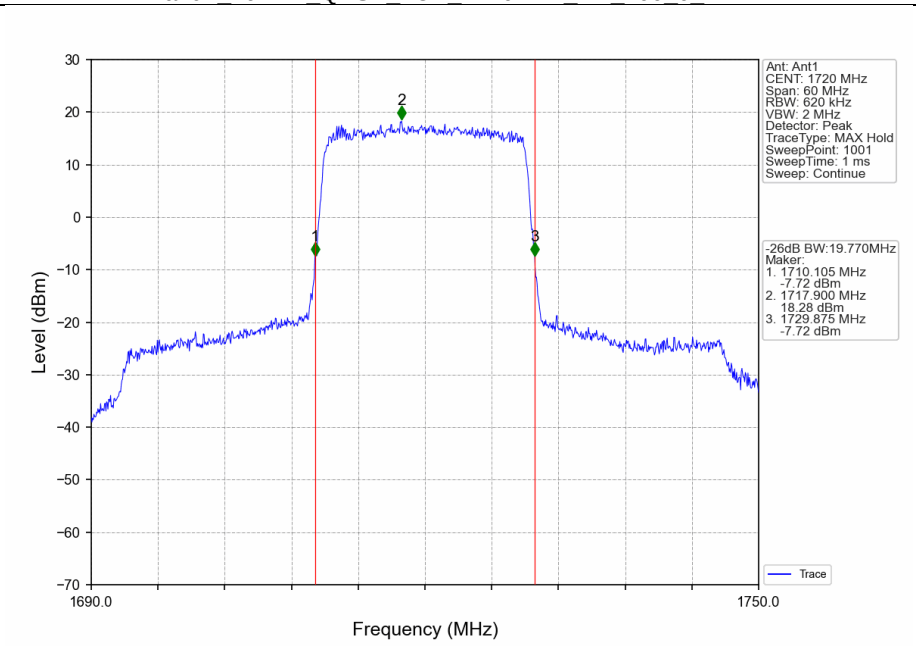
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



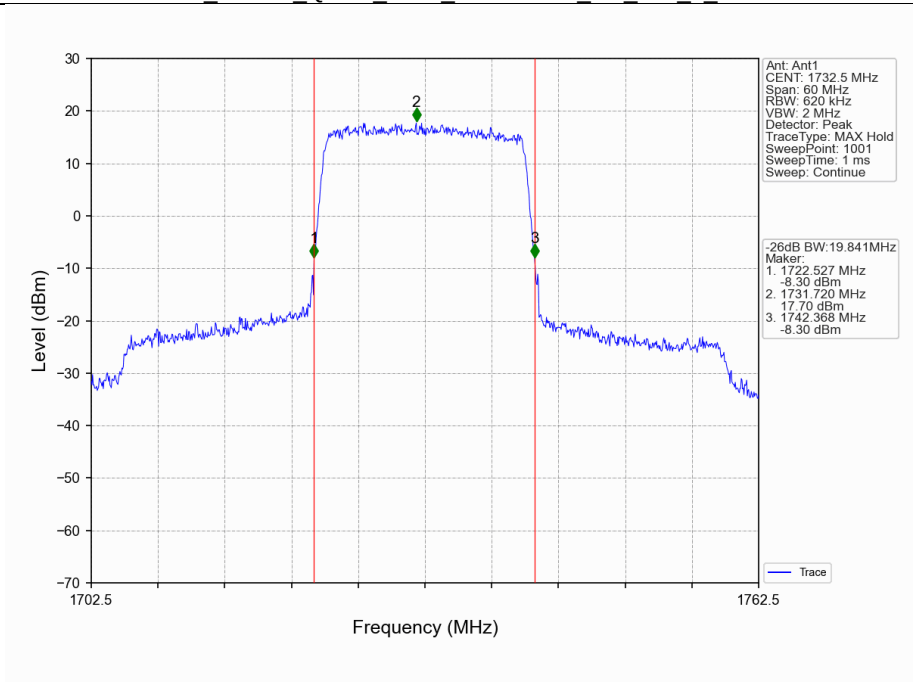
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



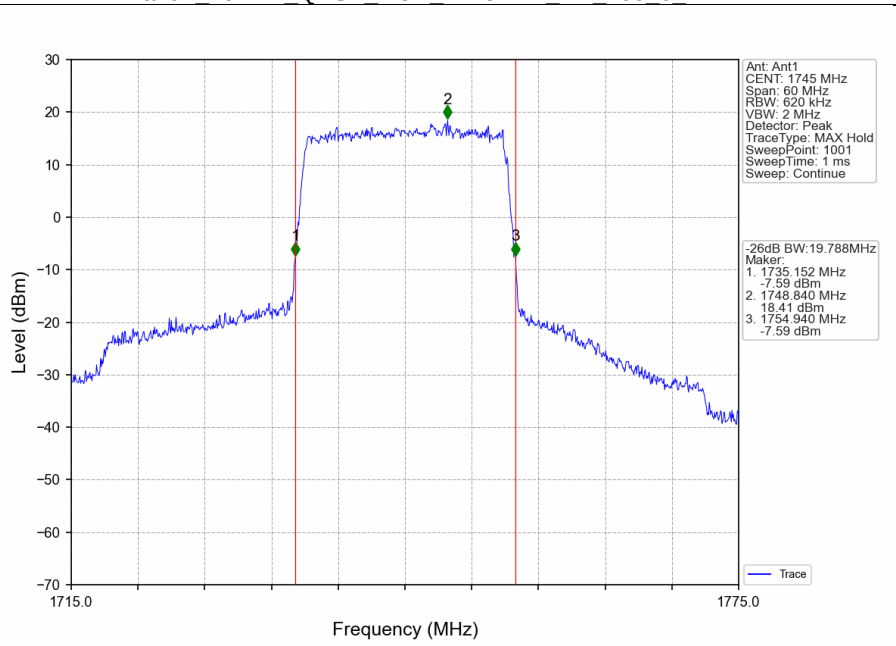
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



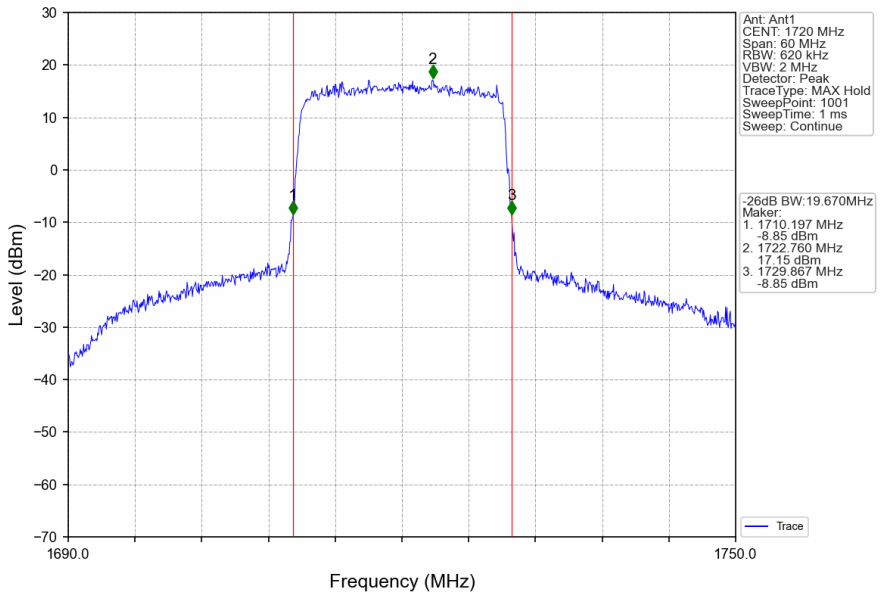
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



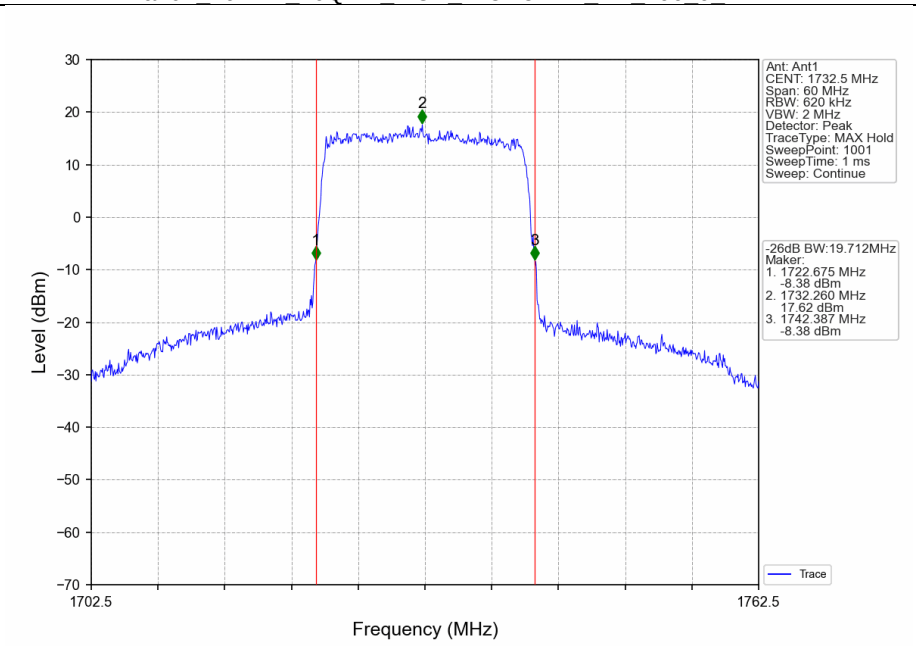
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



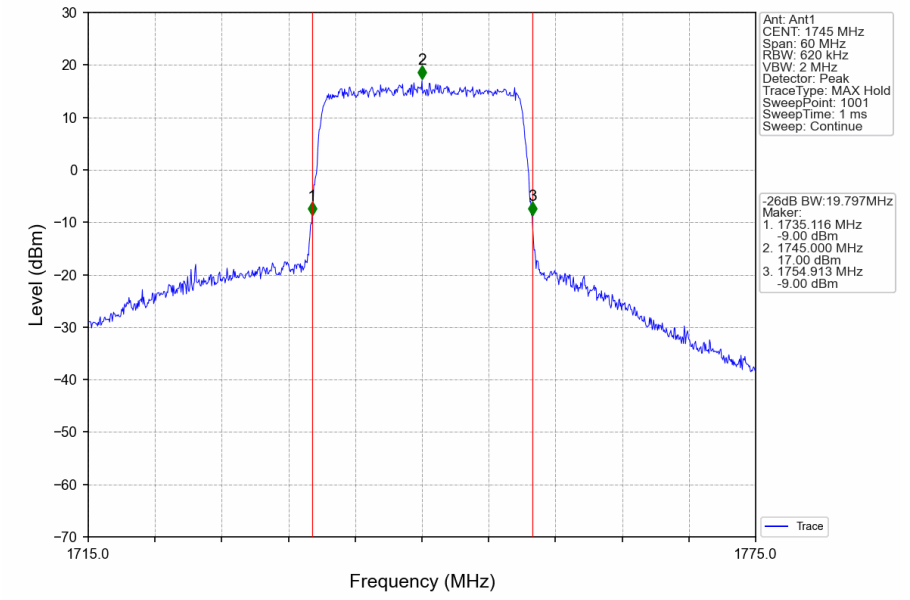
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

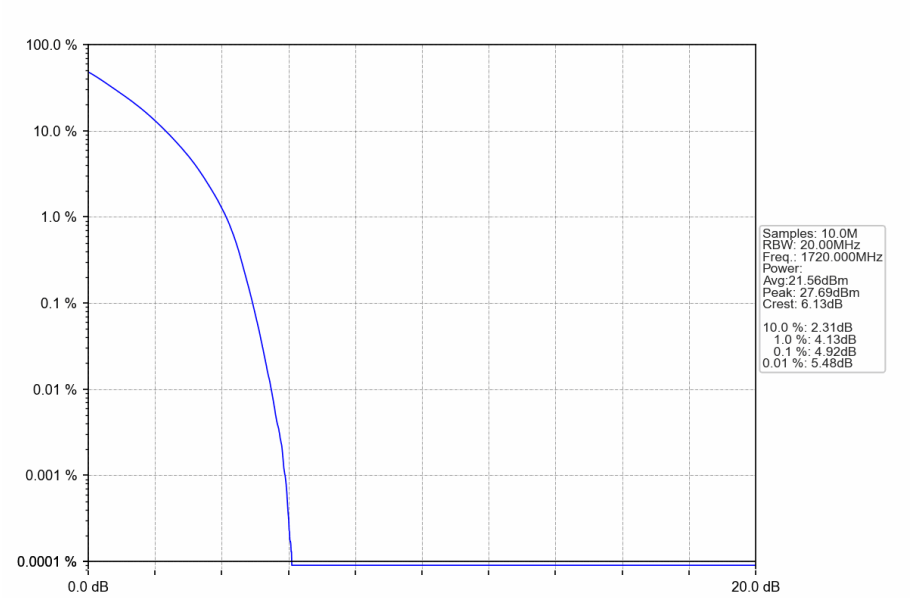
4.1 B4_20MHz

4.1.1 Test Result

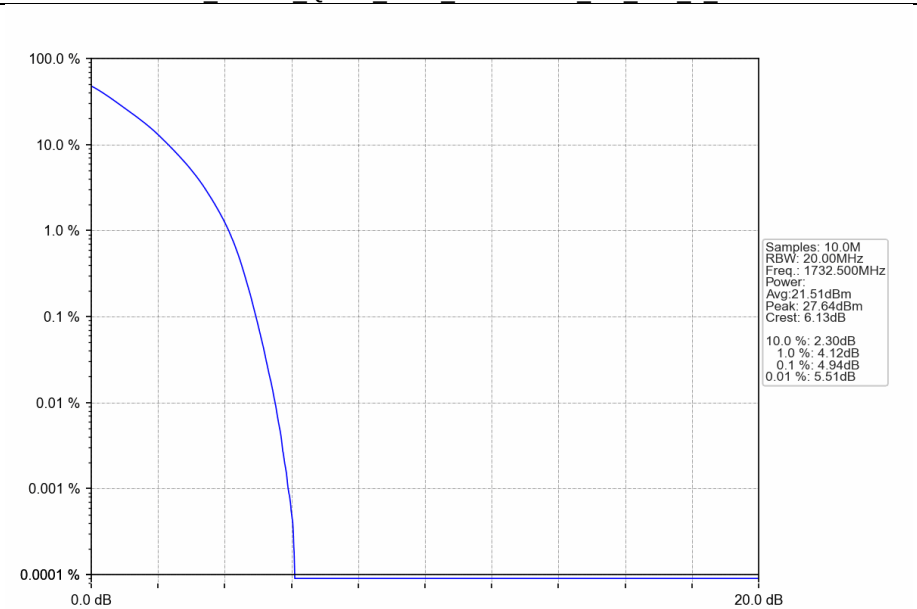
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	4.92	<=13	Pass
	1732.5	100	0	4.94	<=13	Pass
	1745	100	0	4.92	<=13	Pass
16QAM	1720	100	0	5.81	<=13	Pass
	1732.5	100	0	5.78	<=13	Pass
	1745	100	0	5.72	<=13	Pass

4.1.2 Test Graph

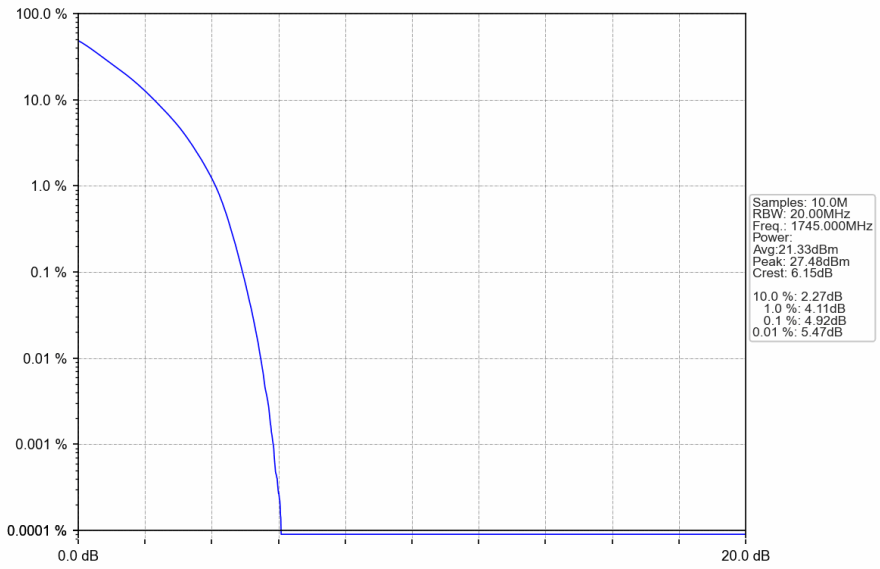
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



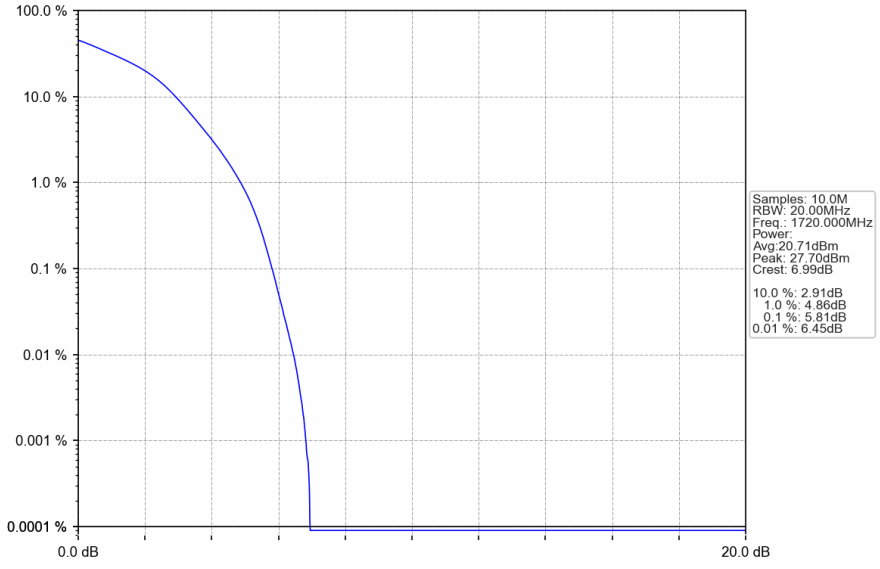
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



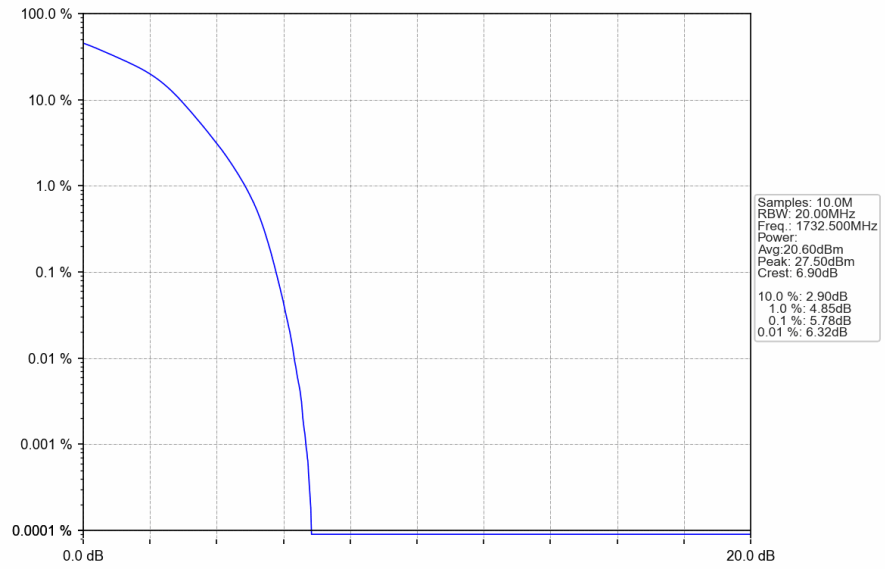
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



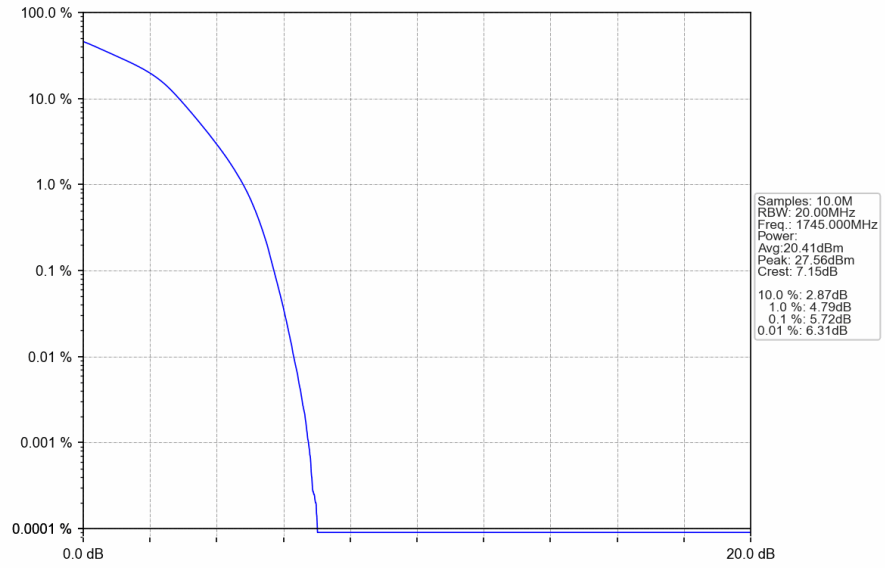
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Spurious Emission

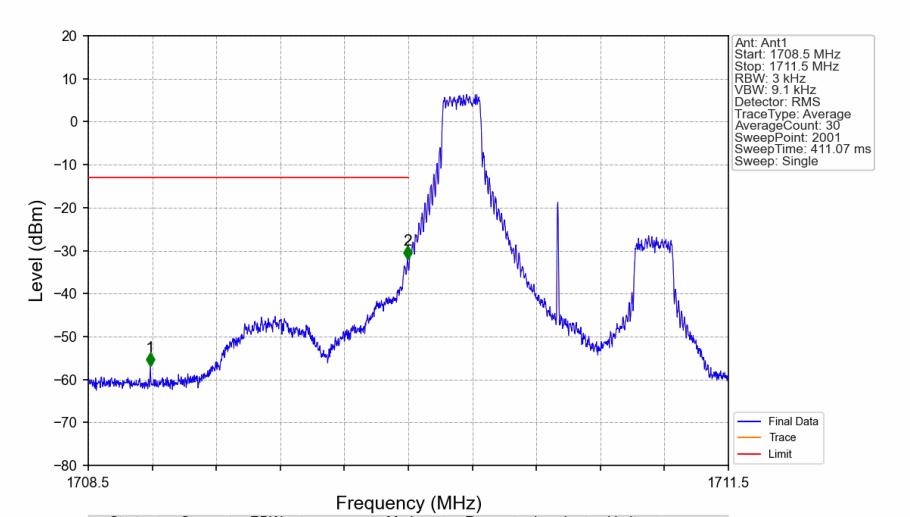
5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

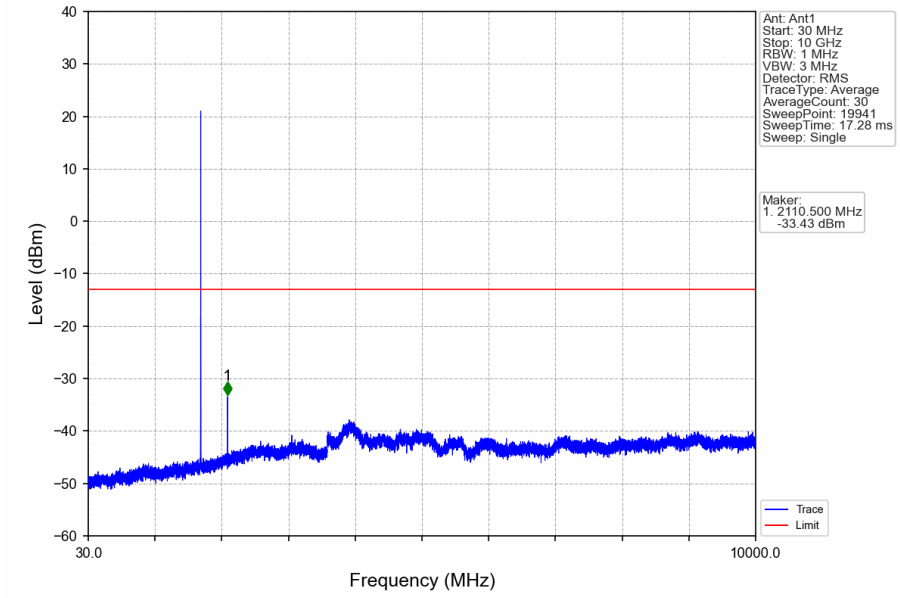
5.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

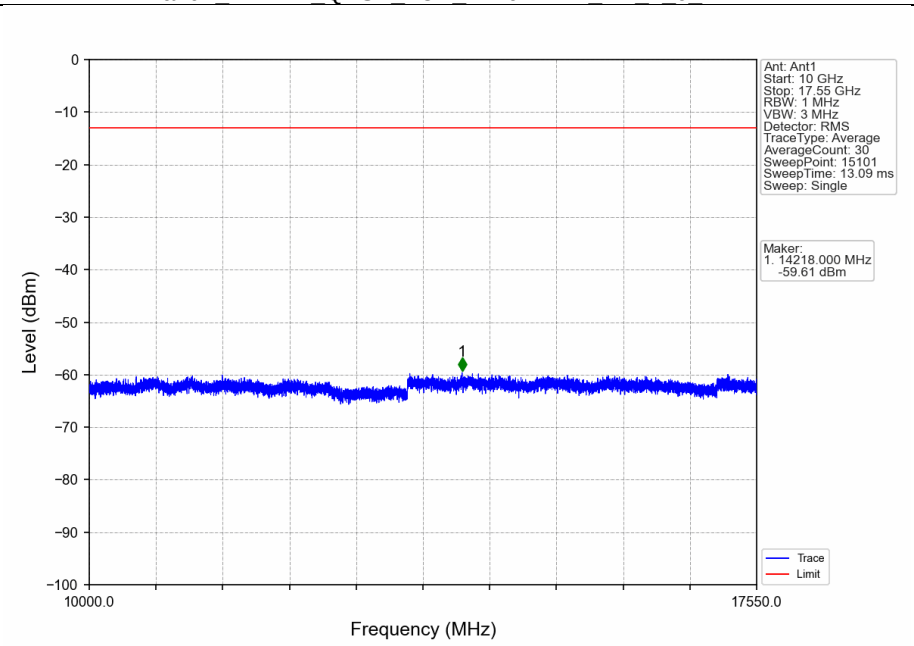


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.791	-56.84	-13	Pass
1709	1710	0.003	/	2	1709.995	-32.09	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

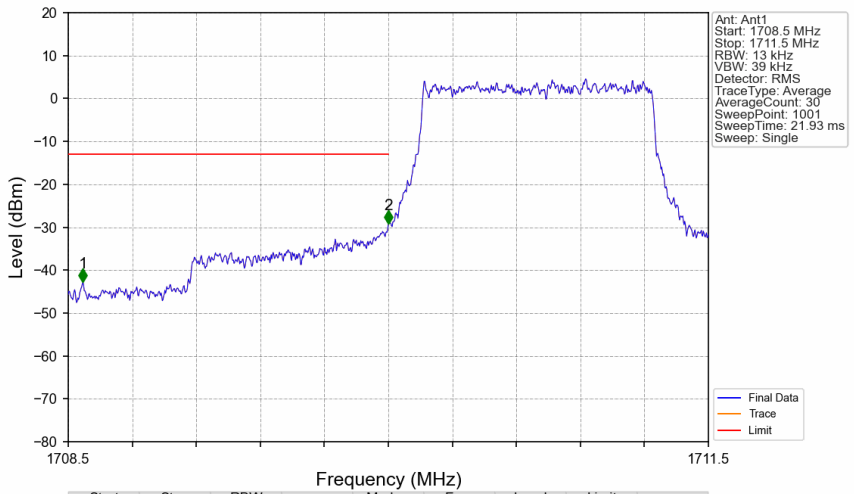
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

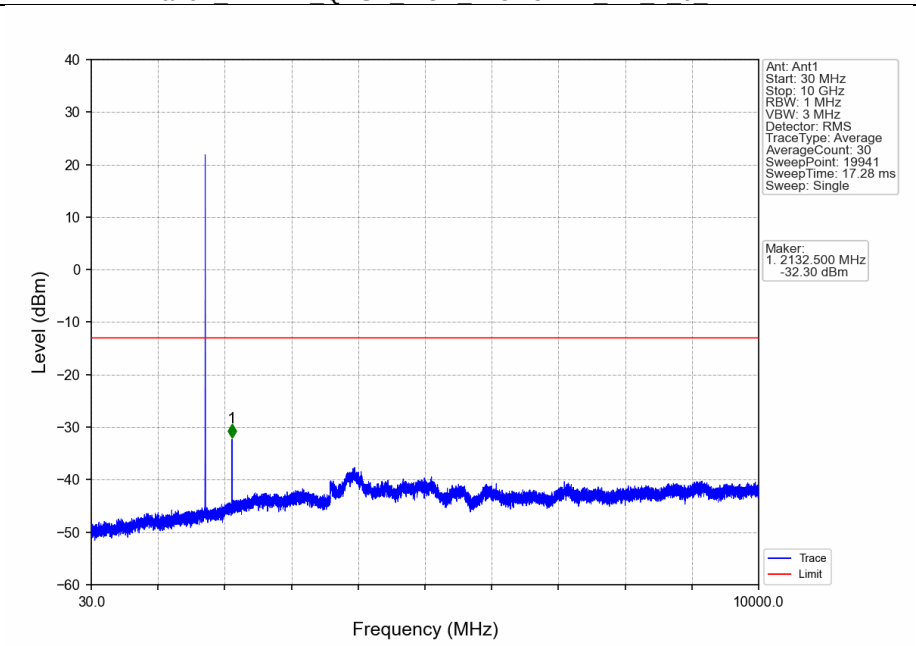


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

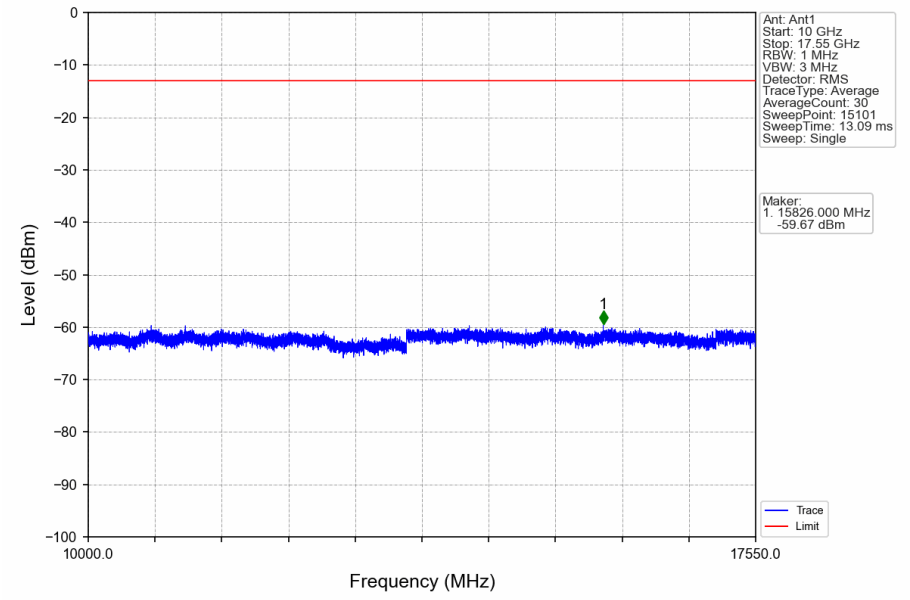


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.569	-42.78	-13	Pass
1709	1710	0.013	/	2	1710.000	-29.27	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

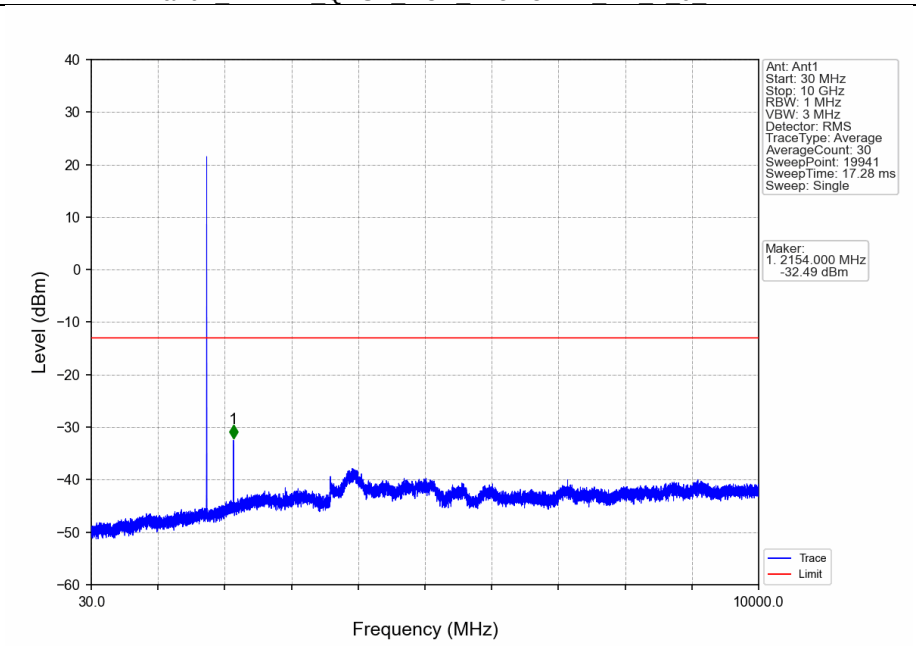
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



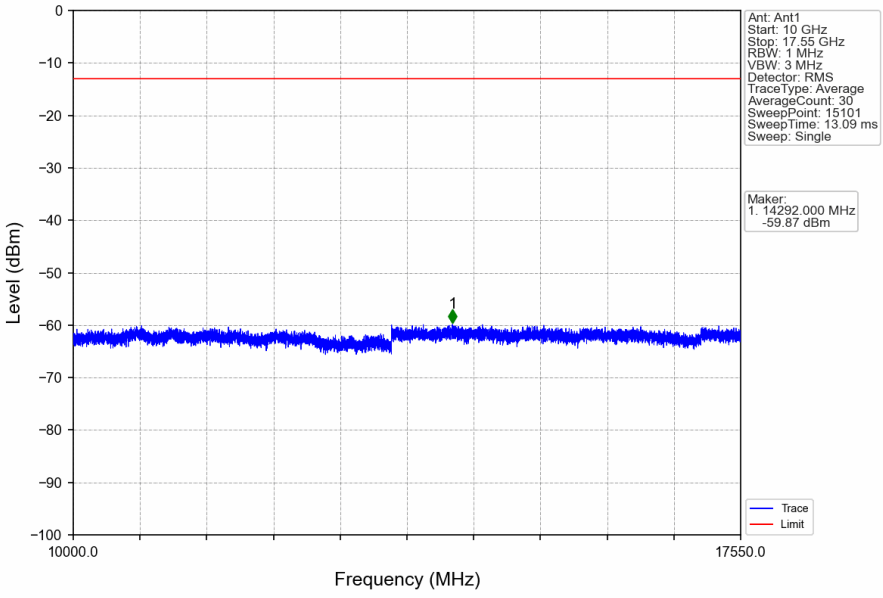
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



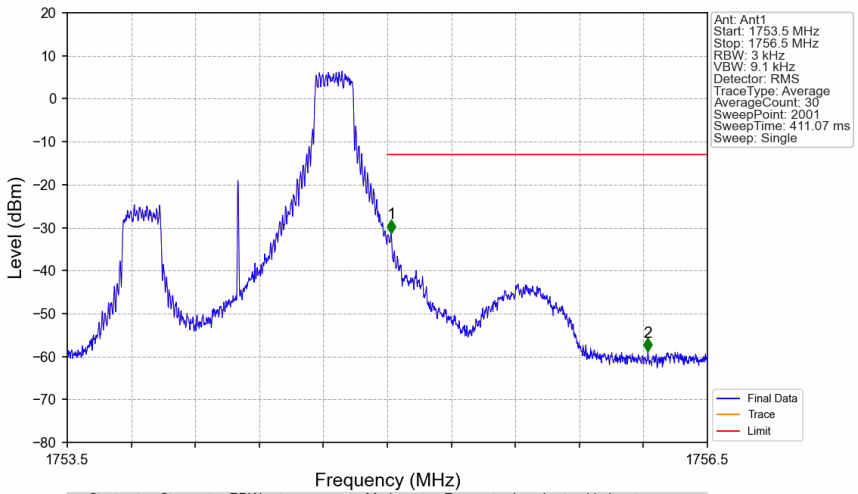
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

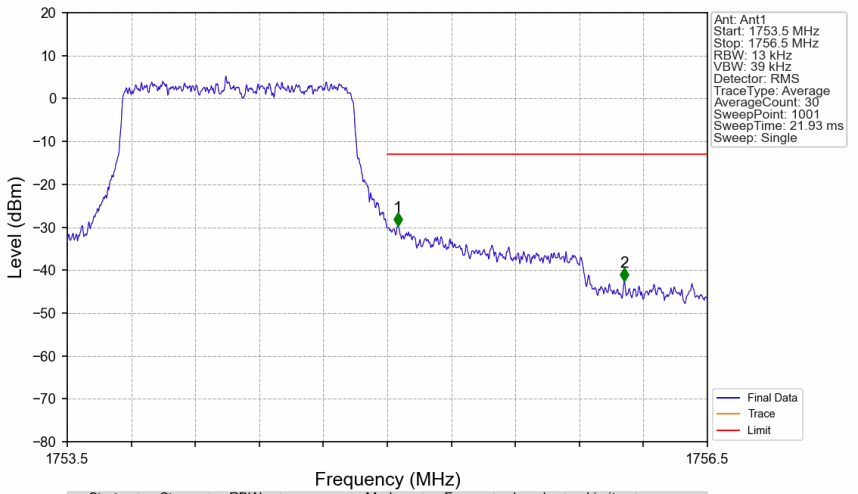


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.018	-31.26	-13	Pass
1756	1756.5	1	/	2	1756.221	-58.80	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.048	-29.73	-13	Pass
1756	1756.5	1	/	2	1756.110	-42.63	-13	Pass

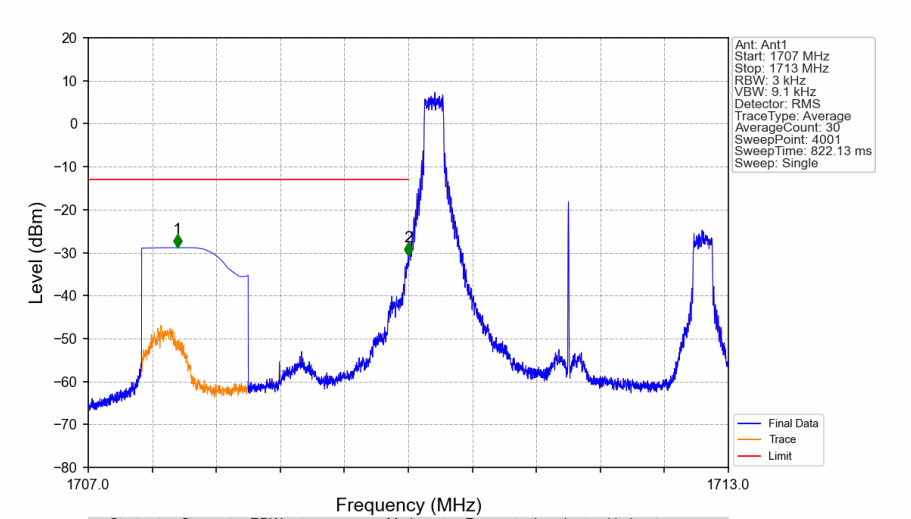
5.2 B4_3MHz

5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

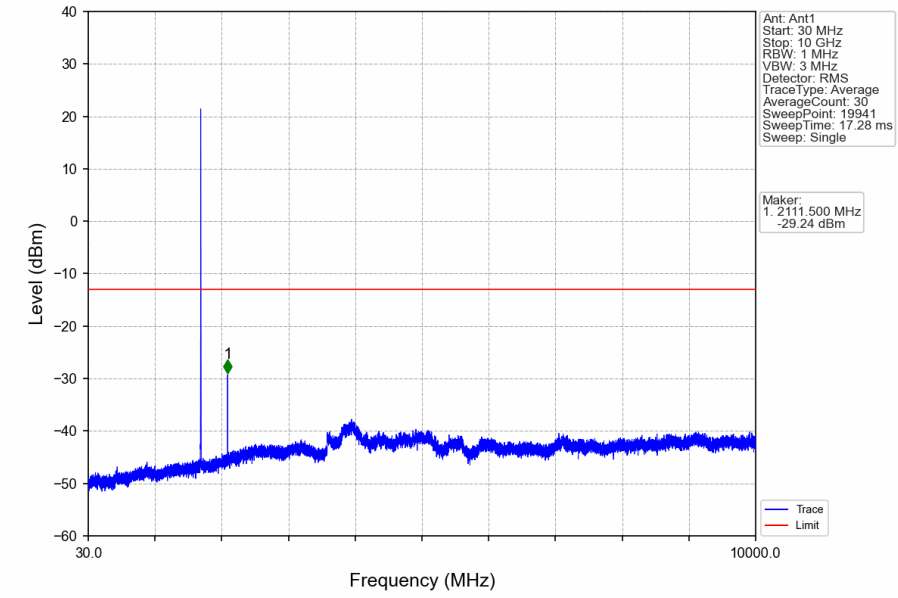
5.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

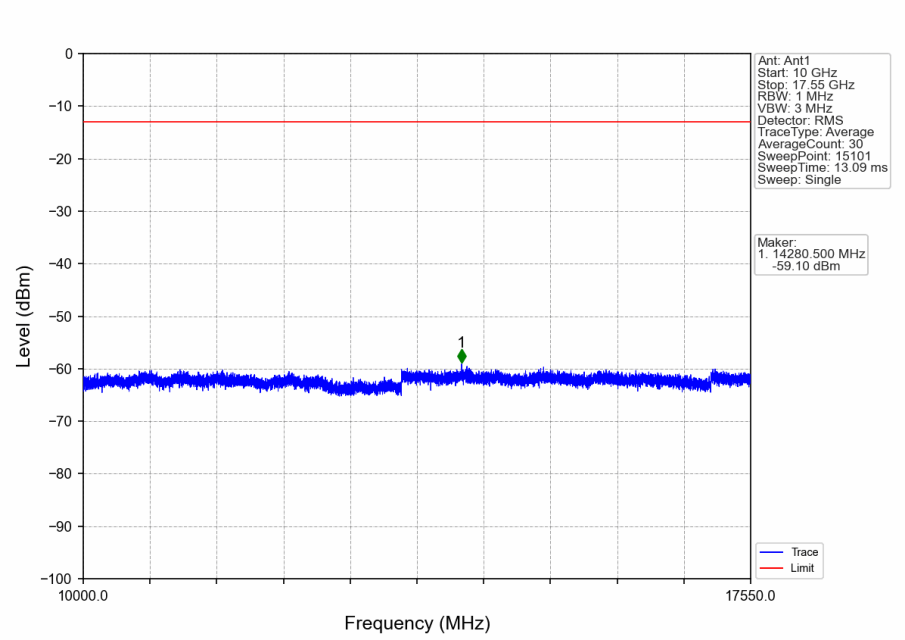


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.835	-28.85	-13	Pass
1709	1710	0.003	/	2	1709.998	-30.74	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

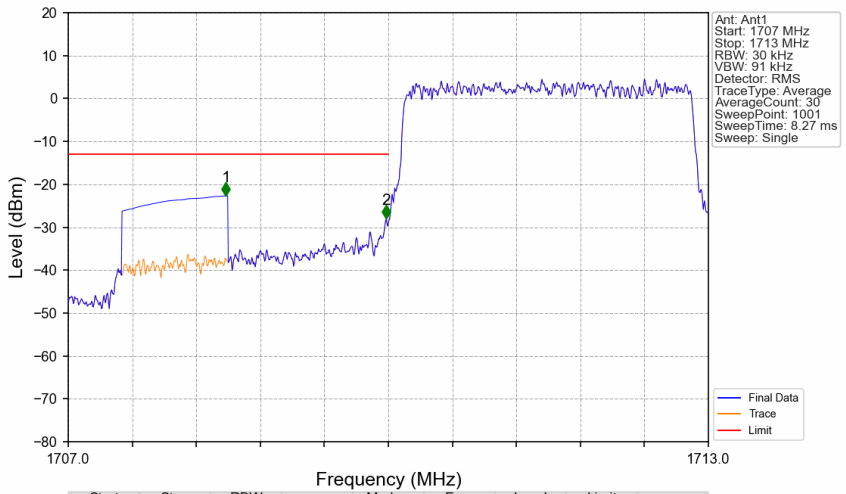
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.476	-22.72	-13	Pass
1709	1710	0.03	/	2	1709.982	-28.00	-13	Pass
1710	1713	0.03	/	/	/	/	/	/