1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

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	23.09	2.17	25.26	<=30	Pass
			2	23.22	2.17	25.39	<=30	Pass
			5	23.16	2.17	25.33	<=30	Pass
		3	0	23.03	2.17	25.20	<=30	Pass
			2	23.01	2.17	25.18	<=30	Pass
			3	23.12	2.17	25.29	<=30	Pass
		6	0	22.12	2.17	24.29	<=30	Pass
	1732.5	1	0	23.04	2.17	25.21	<=30	Pass
			2	23.10	2.17	25.27	<=30	Pass
			5	23.05	2.17	25.22	<=30	Pass
		3	0	22.89	2.17	25.06	<=30	Pass
			2	22.91	2.17	25.08	<=30	Pass
			3	23.03	2.17	25.20	<=30	Pass
		6	0	21.99	2.17	24.16	<=30	Pass
	1754.3	1	0	22.96	2.17	25.13	<=30	Pass
			2	23.02	2.17	25.19	<=30	Pass
			5	23.08	2.17	25.25	<=30	Pass
		3	0	22.91	2.17	25.08	<=30	Pass
			2	22.99	2.17	25.16	<=30	Pass
			3	23.02	2.17	25.19	<=30	Pass
		6	0	22.01	2.17	24.18	<=30	Pass
16QAM	1710.7	1	0	22.14	2.17	24.31	<=30	Pass
			2	22.18	2.17	24.35	<=30	Pass
			5	22.19	2.17	24.36	<=30	Pass
		3	0	22.19	2.17	24.36	<=30	Pass
			2	22.16	2.17	24.33	<=30	Pass
			3	22.16	2.17	24.33	<=30	Pass
		6	0	21.15	2.17	23.32	<=30	Pass
	1732.5	1	0	21.98	2.17	24.15	<=30	Pass
			2	22.00	2.17	24.17	<=30	Pass
			5	22.14	2.17	24.31	<=30	Pass
		3	0	22.03	2.17	24.20	<=30	Pass
			2	22.04	2.17	24.21	<=30	Pass
			3	22.04	2.17	24.21	<=30	Pass
		6	0	21.15	2.17	23.32	<=30	Pass
	1754.3	1	0	21.81	2.17	23.98	<=30	Pass
			2	21.85	2.17	24.02	<=30	Pass
			5	21.93	2.17	24.10	<=30	Pass
		3	0	22.04	2.17	24.21	<=30	Pass
			2	22.11	2.17	24.28	<=30	Pass
			3	22.12	2.17	24.29	<=30	Pass
		6	0	21.04	2.17	23.21	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

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	23.03	2.17	25.20	<=30	Pass
			7	23.14	2.17	25.31	<=30	Pass
			14	22.88	2.17	25.05	<=30	Pass
		8	0	22.04	2.17	24.21	<=30	Pass
			4	22.08	2.17	24.25	<=30	Pass
			7	21.99	2.17	24.16	<=30	Pass
		15	0	22.00	2.17	24.17	<=30	Pass
	1732.5	1	0	22.86	2.17	25.03	<=30	Pass
			7	23.01	2.17	25.18	<=30	Pass
			14	22.89	2.17	25.06	<=30	Pass
		8	0	21.79	2.17	23.96	<=30	Pass
			4	21.88	2.17	24.05	<=30	Pass
			7	21.86	2.17	24.03	<=30	Pass
		15	0	21.80	2.17	23.97	<=30	Pass
	1753.5	1	0	22.73	2.17	24.90	<=30	Pass
			7	22.88	2.17	25.05	<=30	Pass
			14	22.79	2.17	24.96	<=30	Pass
		8	0	21.81	2.17	23.98	<=30	Pass
			4	21.87	2.17	24.04	<=30	Pass
			7	21.87	2.17	24.04	<=30	Pass
		15	0	21.84	2.17	24.01	<=30	Pass
16QAM	1711.5	1	0	22.25	2.17	24.42	<=30	Pass
			7	22.40	2.17	24.57	<=30	Pass
			14	22.26	2.17	24.43	<=30	Pass
		8	0	21.22	2.17	23.39	<=30	Pass
			4	21.28	2.17	23.45	<=30	Pass
			7	21.08	2.17	23.25	<=30	Pass
		15	0	21.12	2.17	23.29	<=30	Pass
	1732.5	1	0	21.74	2.17	23.91	<=30	Pass
			7	21.94	2.17	24.11	<=30	Pass
			14	21.82	2.17	23.99	<=30	Pass
		8	0	20.89	2.17	23.06	<=30	Pass
			4	20.98	2.17	23.15	<=30	Pass
			7	20.98	2.17	23.15	<=30	Pass
		15	0	20.89	2.17	23.06	<=30	Pass
	1753.5	1	0	21.62	2.17	23.79	<=30	Pass
			7	21.76	2.17	23.93	<=30	Pass
			14	21.68	2.17	23.85	<=30	Pass
		8	0	20.91	2.17	23.08	<=30	Pass
			4	20.96	2.17	23.13	<=30	Pass
			7	20.94	2.17	23.11	<=30	Pass
		15	0	20.94	2.17	23.11	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

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	23.14	2.17	25.31	<=30	Pass
			13	23.00	2.17	25.17	<=30	Pass
			24	22.91	2.17	25.08	<=30	Pass
		12	0	21.98	2.17	24.15	<=30	Pass
			6	22.02	2.17	24.19	<=30	Pass
			13	21.95	2.17	24.12	<=30	Pass
		25	0	22.01	2.17	24.18	<=30	Pass
	1732.5	1	0	23.00	2.17	25.17	<=30	Pass
			13	23.01	2.17	25.18	<=30	Pass
			24	23.05	2.17	25.22	<=30	Pass
		12	0	21.89	2.17	24.06	<=30	Pass
			6	21.91	2.17	24.08	<=30	Pass
			13	21.98	2.17	24.15	<=30	Pass
		25	0	21.92	2.17	24.09	<=30	Pass
	1752.5	1	0	22.79	2.17	24.96	<=30	Pass
			13	22.83	2.17	25.00	<=30	Pass
			24	22.94	2.17	25.11	<=30	Pass
		12	0	21.91	2.17	24.08	<=30	Pass
			6	21.90	2.17	24.07	<=30	Pass
			13	21.95	2.17	24.12	<=30	Pass
		25	0	21.92	2.17	24.09	<=30	Pass
16QAM	1712.5	1	0	22.36	2.17	24.53	<=30	Pass
			13	22.25	2.17	24.42	<=30	Pass
			24	22.18	2.17	24.35	<=30	Pass
		12	0	21.27	2.17	23.44	<=30	Pass
			6	21.17	2.17	23.34	<=30	Pass
			13	21.11	2.17	23.28	<=30	Pass
		25	0	21.18	2.17	23.35	<=30	Pass
	1732.5	1	0	22.05	2.17	24.22	<=30	Pass
			13	22.11	2.17	24.28	<=30	Pass
			24	22.15	2.17	24.32	<=30	Pass
		12	0	20.98	2.17	23.15	<=30	Pass
			6	20.99	2.17	23.16	<=30	Pass
			13	21.10	2.17	23.27	<=30	Pass
		25	0	21.04	2.17	23.21	<=30	Pass
	1752.5	1	0	22.11	2.17	24.28	<=30	Pass
			13	22.17	2.17	24.34	<=30	Pass
			24	22.29	2.17	24.46	<=30	Pass
		12	0	21.00	2.17	23.17	<=30	Pass
			6	21.00	2.17	23.17	<=30	Pass
			13	21.05	2.17	23.22	<=30	Pass
		25	0	21.05	2.17	23.22	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

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	23.12	2.17	25.29	<=30	Pass
			25	23.02	2.17	25.19	<=30	Pass
			49	22.79	2.17	24.96	<=30	Pass
		25	0	21.99	2.17	24.16	<=30	Pass
			13	21.85	2.17	24.02	<=30	Pass
			25	21.75	2.17	23.92	<=30	Pass
		50	0	21.84	2.17	24.01	<=30	Pass
	1732.5	1	0	22.88	2.17	25.05	<=30	Pass
			25	23.00	2.17	25.17	<=30	Pass
			49	22.99	2.17	25.16	<=30	Pass
		25	0	21.83	2.17	24.00	<=30	Pass
			13	21.90	2.17	24.07	<=30	Pass
			25	21.93	2.17	24.10	<=30	Pass
		50	0	21.89	2.17	24.06	<=30	Pass
	1750	1	0	22.70	2.17	24.87	<=30	Pass
			25	22.96	2.17	25.13	<=30	Pass
			49	23.11	2.17	25.28	<=30	Pass
		25	0	21.88	2.17	24.05	<=30	Pass
			13	22.00	2.17	24.17	<=30	Pass
			25	22.09	2.17	24.26	<=30	Pass
		50	0	21.99	2.17	24.16	<=30	Pass
16QAM	1715	1	0	22.36	2.17	24.53	<=30	Pass
			25	22.19	2.17	24.36	<=30	Pass
			49	21.97	2.17	24.14	<=30	Pass
		12	0	22.11	2.17	24.28	<=30	Pass
			19	21.91	2.17	24.08	<=30	Pass
			38	21.82	2.17	23.99	<=30	Pass
		27	0	21.11	2.17	23.28	<=30	Pass
	1732.5	1	0	21.79	2.17	23.96	<=30	Pass
			25	21.95	2.17	24.12	<=30	Pass
			49	21.95	2.17	24.12	<=30	Pass
		12	0	21.79	2.17	23.96	<=30	Pass
			19	21.88	2.17	24.05	<=30	Pass
			38	21.89	2.17	24.06	<=30	Pass
		27	0	20.95	2.17	23.12	<=30	Pass
	1750	1	0	21.61	2.17	23.78	<=30	Pass
			25	21.86	2.17	24.03	<=30	Pass
			49	22.02	2.17	24.19	<=30	Pass
		12	0	21.92	2.17	24.09	<=30	Pass
			19	22.04	2.17	24.21	<=30	Pass
			38	22.18	2.17	24.35	<=30	Pass
		27	23	21.25	2.17	23.42	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

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	23.46	2.17	25.63	<=30	Pass
			38	23.18	2.17	25.35	<=30	Pass
			74	22.94	2.17	25.11	<=30	Pass
		36	0	22.03	2.17	24.20	<=30	Pass
			18	21.90	2.17	24.07	<=30	Pass
			39	21.75	2.17	23.92	<=30	Pass
		75	0	21.84	2.17	24.01	<=30	Pass
	1732.5	1	0	22.82	2.17	24.99	<=30	Pass
			38	23.08	2.17	25.25	<=30	Pass
			74	22.94	2.17	25.11	<=30	Pass
		36	0	21.93	2.17	24.10	<=30	Pass
			18	22.00	2.17	24.17	<=30	Pass
			39	22.01	2.17	24.18	<=30	Pass
		75	0	21.92	2.17	24.09	<=30	Pass
	1747.5	1	0	22.55	2.17	24.72	<=30	Pass
			38	23.05	2.17	25.22	<=30	Pass
			74	23.17	2.17	25.34	<=30	Pass
		36	0	21.79	2.17	23.96	<=30	Pass
			18	21.95	2.17	24.12	<=30	Pass
			39	22.15	2.17	24.32	<=30	Pass
		75	0	21.95	2.17	24.12	<=30	Pass
16QAM	1717.5	1	0	22.08	2.17	24.25	<=30	Pass
			38	21.85	2.17	24.02	<=30	Pass
			74	21.61	2.17	23.78	<=30	Pass
		12	0	22.17	2.17	24.34	<=30	Pass
			31	21.97	2.17	24.14	<=30	Pass
			63	21.73	2.17	23.90	<=30	Pass
		27	0	21.25	2.17	23.42	<=30	Pass
	1732.5	1	0	21.70	2.17	23.87	<=30	Pass
			38	22.14	2.17	24.31	<=30	Pass
			74	22.06	2.17	24.23	<=30	Pass
		12	0	21.80	2.17	23.97	<=30	Pass
			31	22.04	2.17	24.21	<=30	Pass
			63	22.00	2.17	24.17	<=30	Pass
		27	0	21.00	2.17	23.17	<=30	Pass
	1747.5	1	0	21.93	2.17	24.10	<=30	Pass
			38	22.44	2.17	24.61	<=30	Pass
			74	22.60	2.17	24.77	<=30	Pass
		12	0	21.79	2.17	23.96	<=30	Pass
			31	22.14	2.17	24.31	<=30	Pass
			63	22.28	2.17	24.45	<=30	Pass
		27	48	21.27	2.17	23.44	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

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	23.14	2.17	25.31	<=30	Pass
			50	22.79	2.17	24.96	<=30	Pass
			99	22.90	2.17	25.07	<=30	Pass
		50	0	21.95	2.17	24.12	<=30	Pass
			25	21.75	2.17	23.92	<=30	Pass
			50	21.70	2.17	23.87	<=30	Pass
		100	0	21.77	2.17	23.94	<=30	Pass
	1732.5	1	0	22.73	2.17	24.90	<=30	Pass
			50	23.06	2.17	25.23	<=30	Pass
			99	23.00	2.17	25.17	<=30	Pass
		50	0	21.89	2.17	24.06	<=30	Pass
			25	22.02	2.17	24.19	<=30	Pass
			50	22.05	2.17	24.22	<=30	Pass
		100	0	21.92	2.17	24.09	<=30	Pass
	1745	1	0	22.92	2.17	25.09	<=30	Pass
			50	23.16	2.17	25.33	<=30	Pass
			99	**23.48**	2.17	25.65	<=30	Pass
		50	0	22.05	2.17	24.22	<=30	Pass
			25	22.24	2.17	24.41	<=30	Pass
			50	22.43	2.17	24.60	<=30	Pass
		100	0	22.22	2.17	24.39	<=30	Pass
16QAM	1720	1	0	22.46	2.17	24.63	<=30	Pass
			50	22.14	2.17	24.31	<=30	Pass
			99	22.18	2.17	24.35	<=30	Pass
		12	0	22.01	2.17	24.18	<=30	Pass
			44	21.79	2.17	23.96	<=30	Pass
			88	21.85	2.17	24.02	<=30	Pass
		27	0	21.19	2.17	23.36	<=30	Pass
	1732.5	1	0	22.04	2.17	24.21	<=30	Pass
			50	22.53	2.17	24.70	<=30	Pass
			99	22.54	2.17	24.71	<=30	Pass
		12	0	21.79	2.17	23.96	<=30	Pass
			44	22.07	2.17	24.24	<=30	Pass
			88	22.12	2.17	24.29	<=30	Pass
		27	0	20.87	2.17	23.04	<=30	Pass
	1745	1	0	22.00	2.17	24.17	<=30	Pass
			50	22.21	2.17	24.38	<=30	Pass
			99	22.57	2.17	24.74	<=30	Pass
		12	0	21.98	2.17	24.15	<=30	Pass
			44	22.10	2.17	24.27	<=30	Pass
			88	22.52	2.17	24.69	<=30	Pass
		27	73	21.62	2.17	23.79	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_20MHz

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	3.40	-3.347	-0.0019	-2.5 to 2.5	Pass
					3.80	-2.174	-0.0013	-2.5 to 2.5	Pass
					4.20	-1.059	-0.0006	-2.5 to 2.5	Pass
				-30	3.80	-1.688	-0.0010	-2.5 to 2.5	Pass
				-20	3.80	-1.674	-0.0010	-2.5 to 2.5	Pass
				-10	3.80	-0.544	-0.0003	-2.5 to 2.5	Pass
				0	3.80	-1.187	-0.0007	-2.5 to 2.5	Pass
				10	3.80	-1.903	-0.0011	-2.5 to 2.5	Pass
				30	3.80	-1.116	-0.0006	-2.5 to 2.5	Pass
				40	3.80	0.443	0.0003	-2.5 to 2.5	Pass
				50	3.80	-0.958	-0.0006	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.40	-3.734	-0.0022	-2.5 to 2.5	Pass
					3.80	-2.646	-0.0015	-2.5 to 2.5	Pass
					4.20	-1.130	-0.0007	-2.5 to 2.5	Pass
				-30	3.80	-0.372	-0.0002	-2.5 to 2.5	Pass
				-20	3.80	-0.930	-0.0005	-2.5 to 2.5	Pass
				-10	3.80	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	3.80	1.016	0.0006	-2.5 to 2.5	Pass
				10	3.80	-1.159	-0.0007	-2.5 to 2.5	Pass
				30	3.80	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.80	-0.286	-0.0002	-2.5 to 2.5	Pass
				50	3.80	-0.944	-0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	3.40	-4.520	-0.0026	-2.5 to 2.5	Pass
					3.80	-3.033	-0.0017	-2.5 to 2.5	Pass
					4.20	-3.762	-0.0022	-2.5 to 2.5	Pass
				-30	3.80	-2.217	-0.0013	-2.5 to 2.5	Pass
				-20	3.80	-1.831	-0.0010	-2.5 to 2.5	Pass
				-10	3.80	-1.187	-0.0007	-2.5 to 2.5	Pass
				0	3.80	-1.202	-0.0007	-2.5 to 2.5	Pass
				10	3.80	-1.144	-0.0007	-2.5 to 2.5	Pass
				30	3.80	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.80	-1.574	-0.0009	-2.5 to 2.5	Pass
				50	3.80	0.072	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

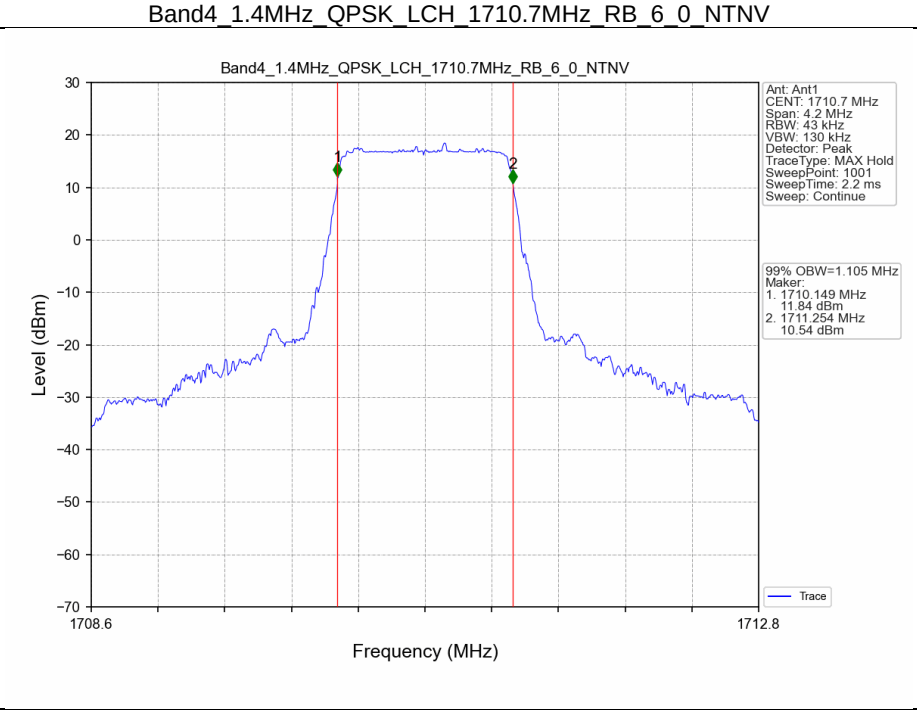
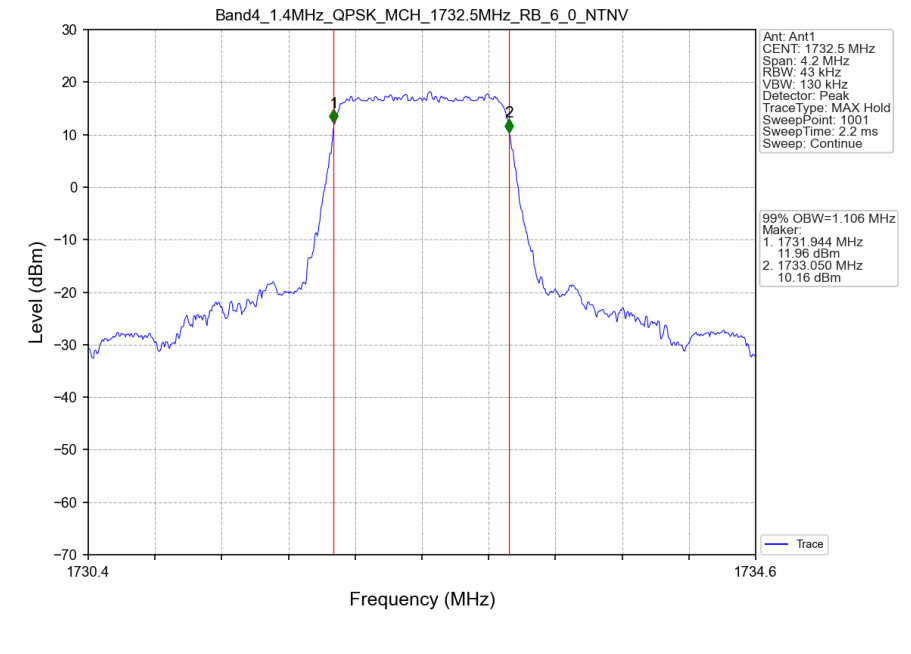
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.105	/	Pass
		1732.5	6	0	1.106	/	Pass
		1754.3	6	0	1.113	/	Pass
	16QAM	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.106	/	Pass
3	QPSK	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.738	/	Pass
	16QAM	1711.5	15	0	2.751	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.733	/	Pass
5	QPSK	1712.5	25	0	4.586	/	Pass
		1732.5	25	0	4.558	/	Pass
		1752.5	25	0	4.566	/	Pass
	16QAM	1712.5	25	0	4.549	/	Pass
		1732.5	25	0	4.561	/	Pass
		1752.5	25	0	4.557	/	Pass
10	QPSK	1715	50	0	9.062	/	Pass
		1732.5	50	0	9.065	/	Pass
		1750	50	0	9.054	/	Pass
	16QAM	1715	27	0	5.126	/	Pass
		1732.5	27	0	5.105	/	Pass
		1750	27	23	5.156	/	Pass
15	QPSK	1717.5	75	0	13.650	/	Pass
		1732.5	75	0	13.668	/	Pass
		1747.5	75	0	13.657	/	Pass
	16QAM	1717.5	27	0	5.404	/	Pass
		1732.5	27	0	5.397	/	Pass
		1747.5	27	48	5.365	/	Pass
20	QPSK	1720	100	0	18.174	/	Pass
		1732.5	100	0	18.219	/	Pass
		1745	100	0	18.127	/	Pass
	16QAM	1720	27	0	5.722	/	Pass
		1732.5	27	0	5.675	/	Pass
		1745	27	73	5.684	/	Pass

3.1.2 Band4_XDB

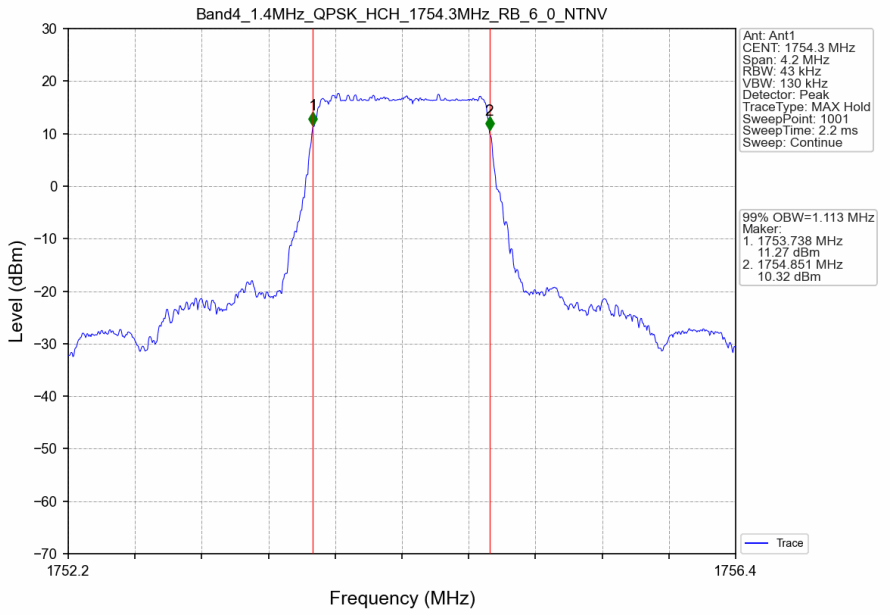
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.315	/	Pass
		1732.5	6	0	1.302	/	Pass
		1754.3	6	0	1.329	/	Pass
	16QAM	1710.7	6	0	1.335	/	Pass
		1732.5	6	0	1.331	/	Pass
		1754.3	6	0	1.324	/	Pass
3	QPSK	1711.5	15	0	3.054	/	Pass
		1732.5	15	0	3.052	/	Pass
		1753.5	15	0	3.065	/	Pass
	16QAM	1711.5	15	0	3.062	/	Pass
		1732.5	15	0	3.028	/	Pass
		1753.5	15	0	3.058	/	Pass
5	QPSK	1712.5	25	0	5.436	/	Pass
		1732.5	25	0	5.485	/	Pass
		1752.5	25	0	5.461	/	Pass
	16QAM	1712.5	25	0	5.639	/	Pass
		1732.5	25	0	5.316	/	Pass
		1752.5	25	0	5.557	/	Pass
10	QPSK	1715	50	0	10.431	/	Pass
		1732.5	50	0	10.386	/	Pass
		1750	50	0	10.323	/	Pass
	16QAM	1715	27	0	6.286	/	Pass
		1732.5	27	0	6.368	/	Pass
		1750	27	23	6.678	/	Pass
15	QPSK	1717.5	75	0	15.488	/	Pass
		1732.5	75	0	15.709	/	Pass
		1747.5	75	0	15.722	/	Pass
	16QAM	1717.5	27	0	7.231	/	Pass
		1732.5	27	0	7.149	/	Pass
		1747.5	27	48	7.181	/	Pass
20	QPSK	1720	100	0	20.294	/	Pass
		1732.5	100	0	20.394	/	Pass
		1745	100	0	20.621	/	Pass
	16QAM	1720	27	0	7.625	/	Pass
		1732.5	27	0	7.573	/	Pass
		1745	27	73	8.136	/	Pass

3.2 Test Graph

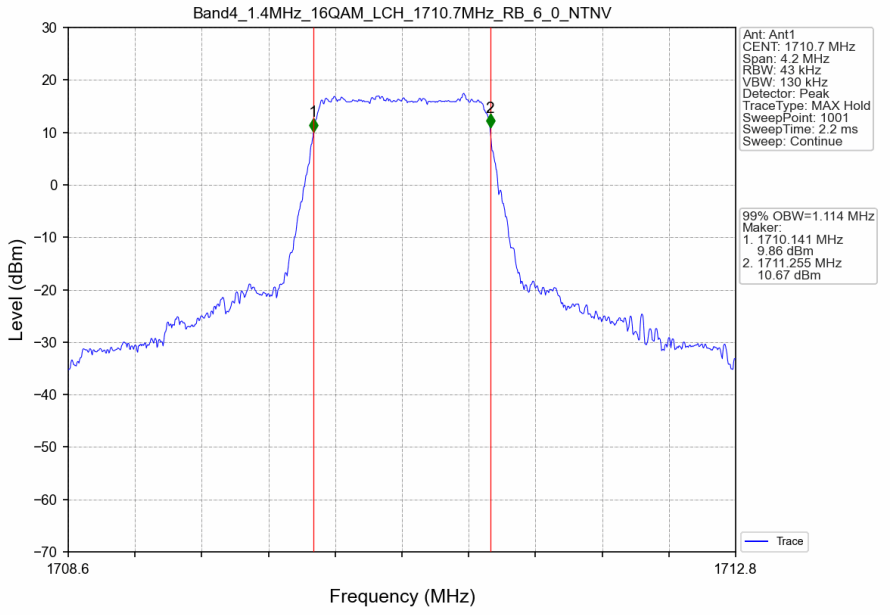
3.2.1 Band4_OBW

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


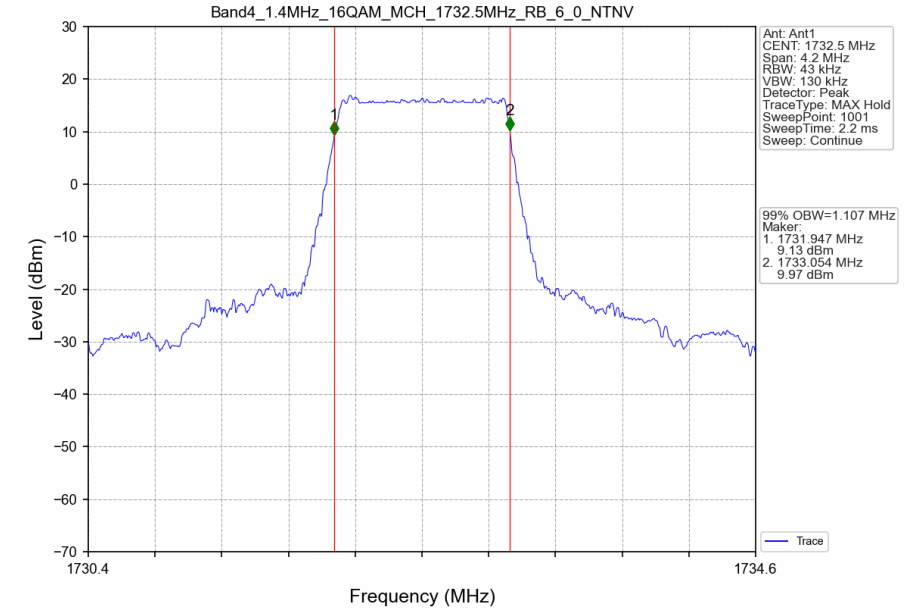
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



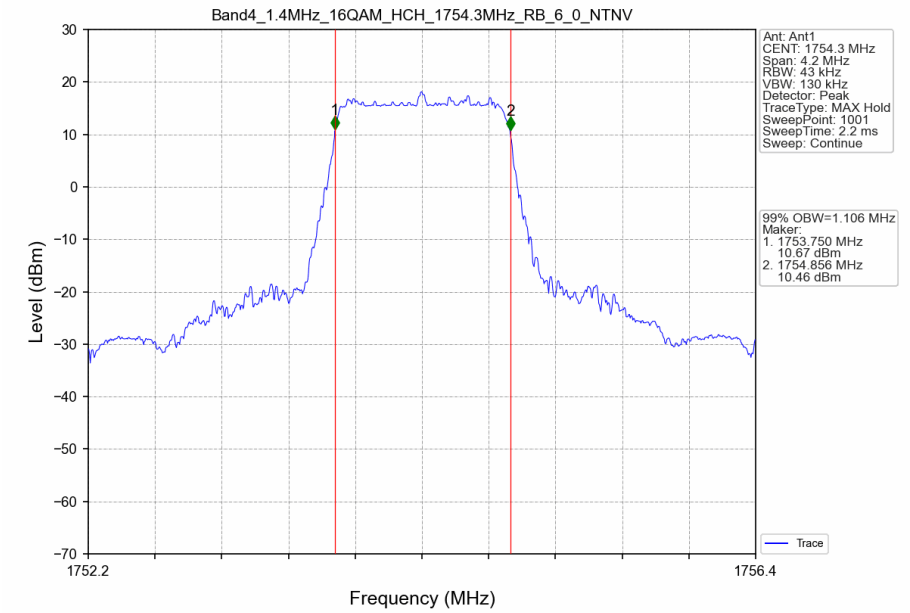
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



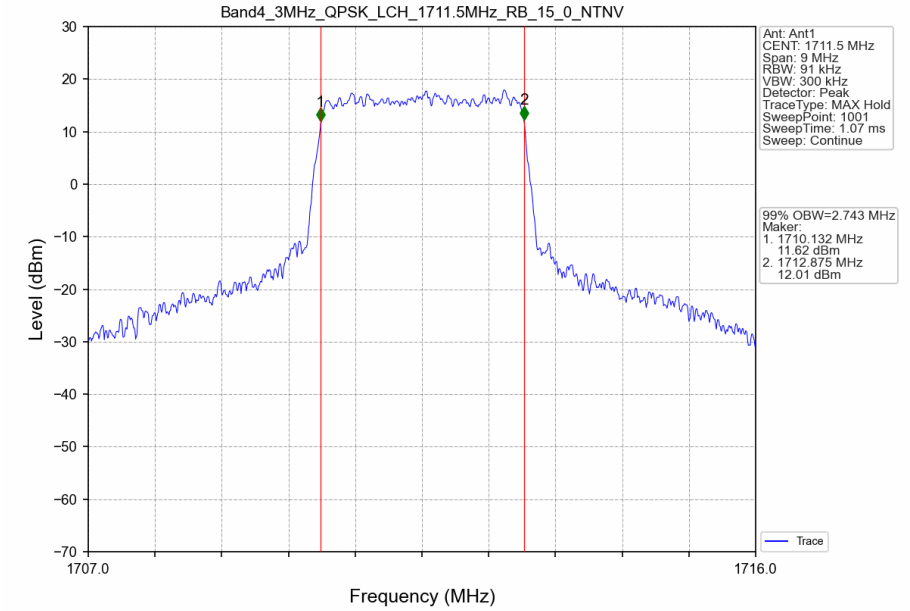
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



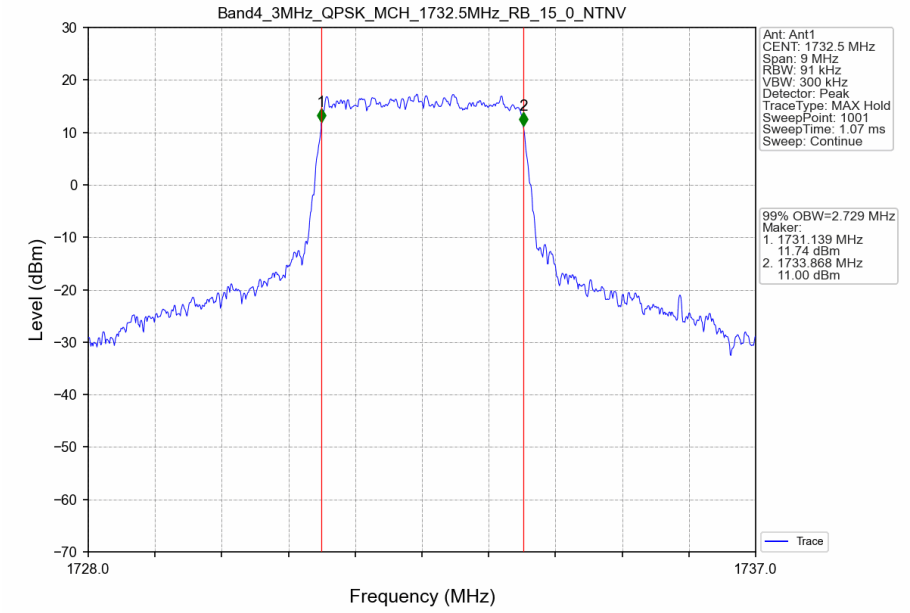
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



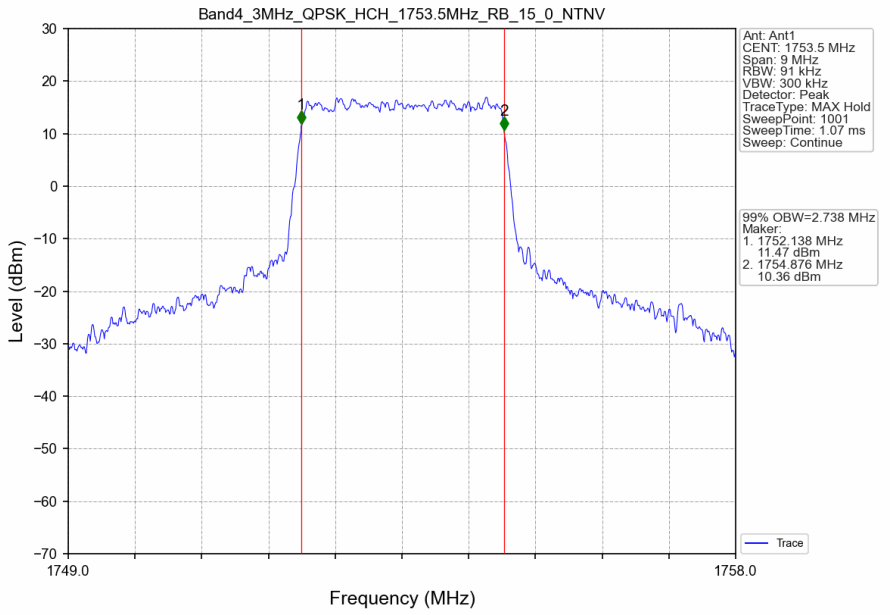
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



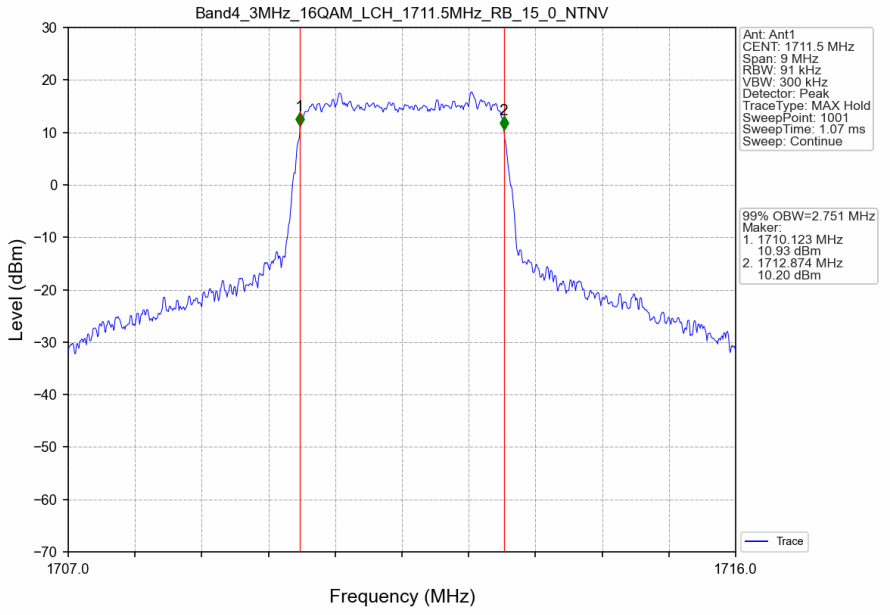
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

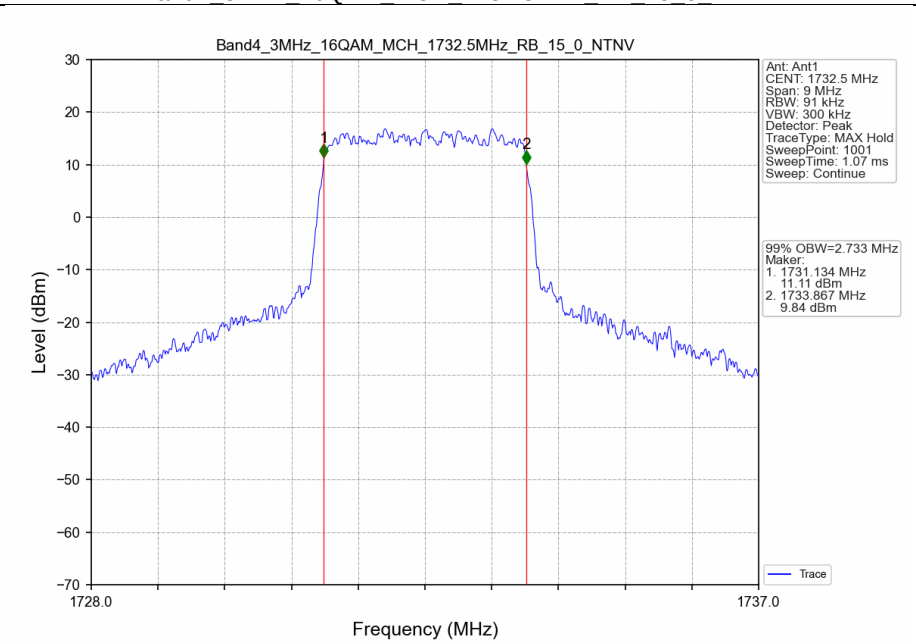


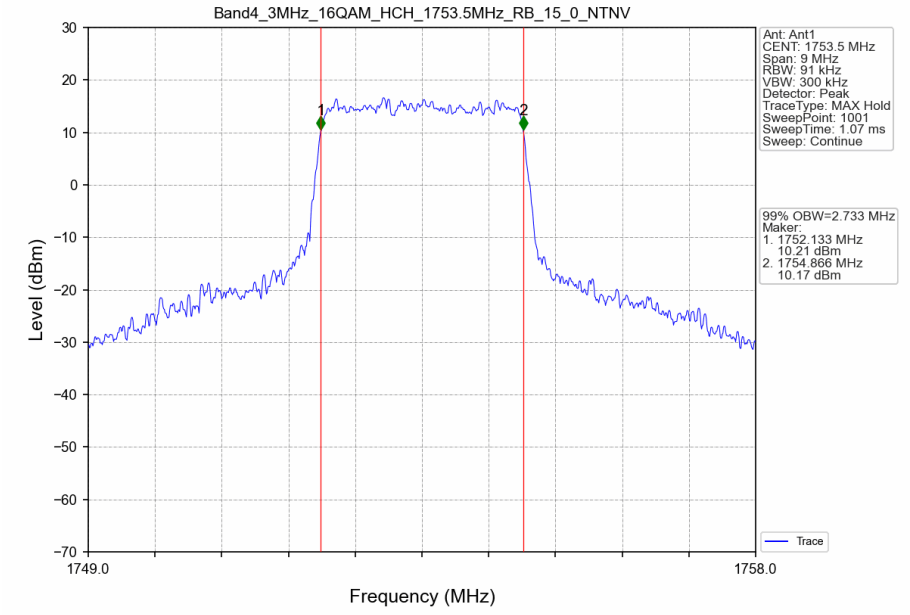
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



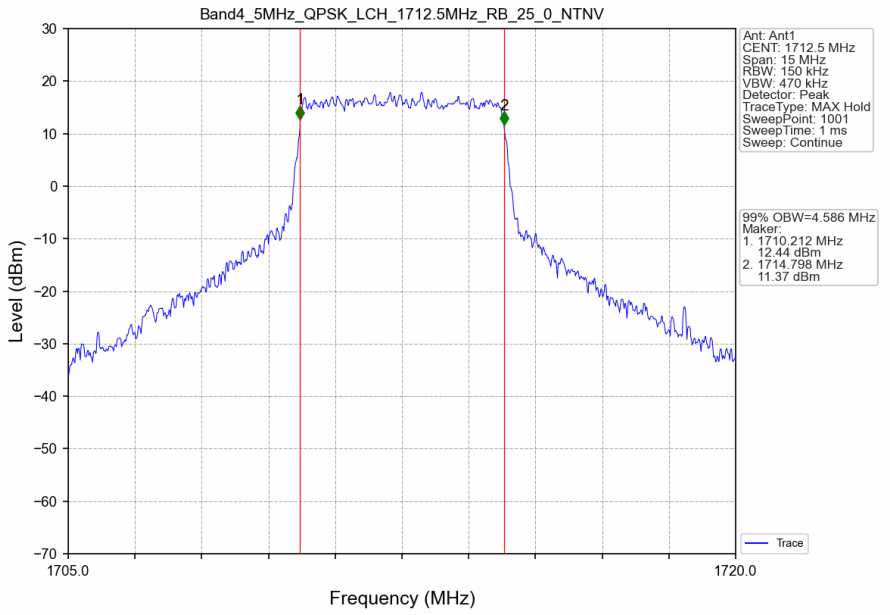
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



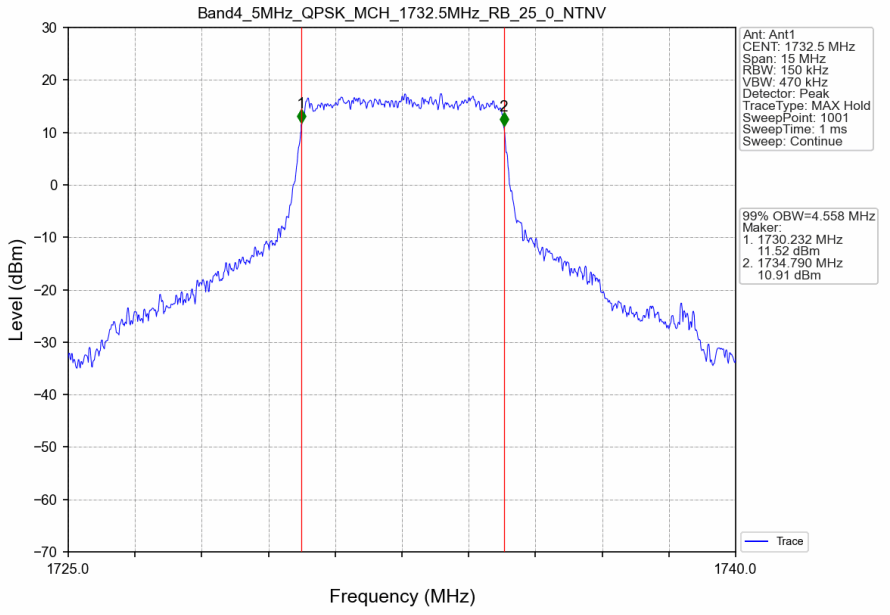
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV


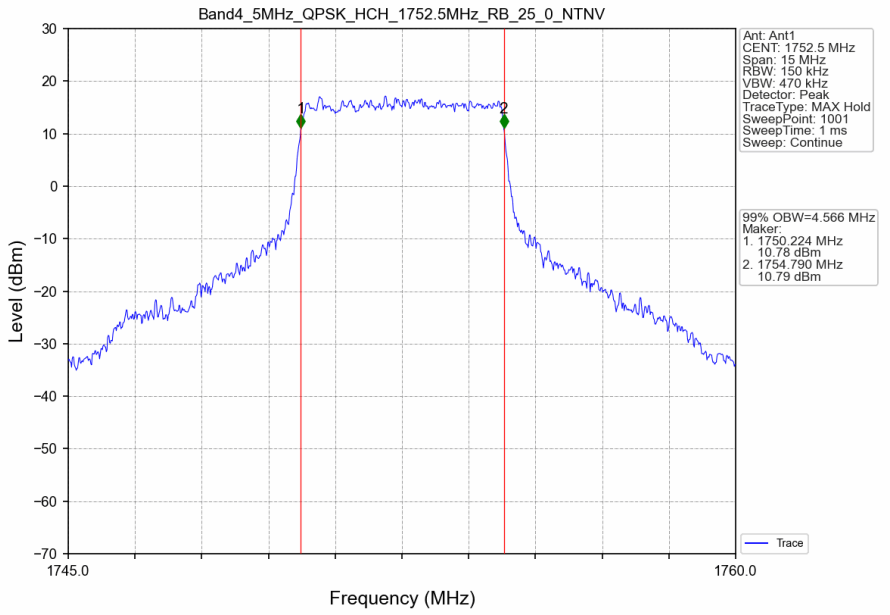
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



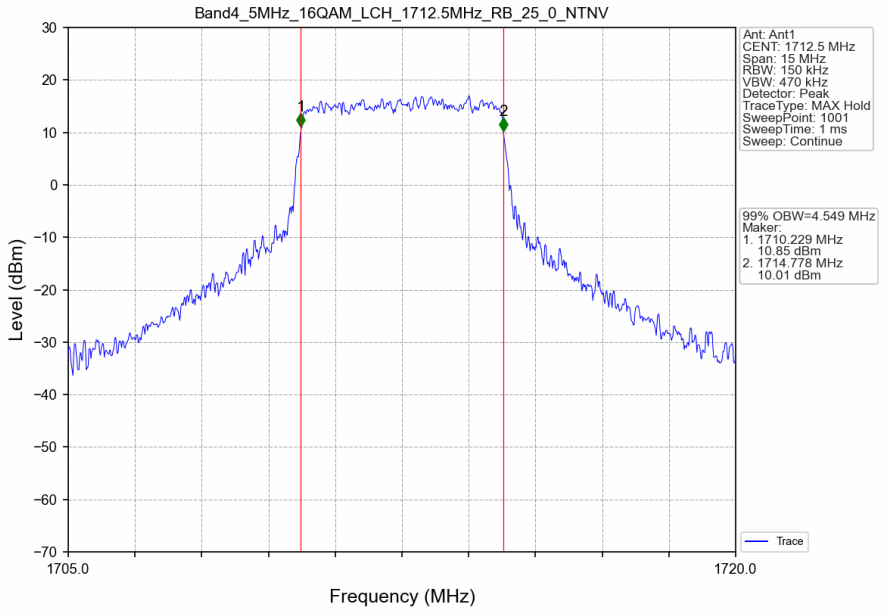
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

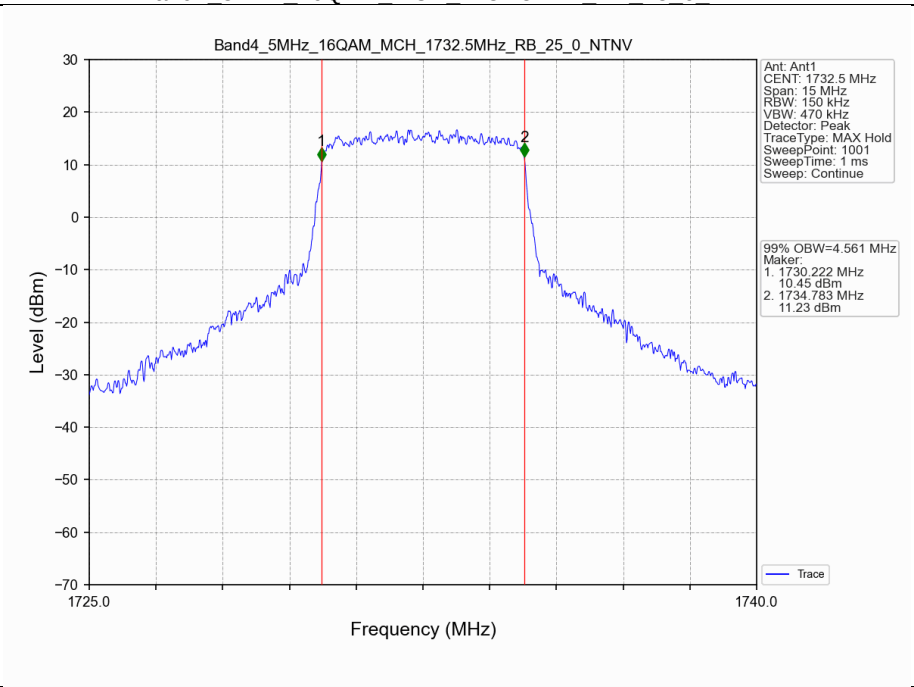


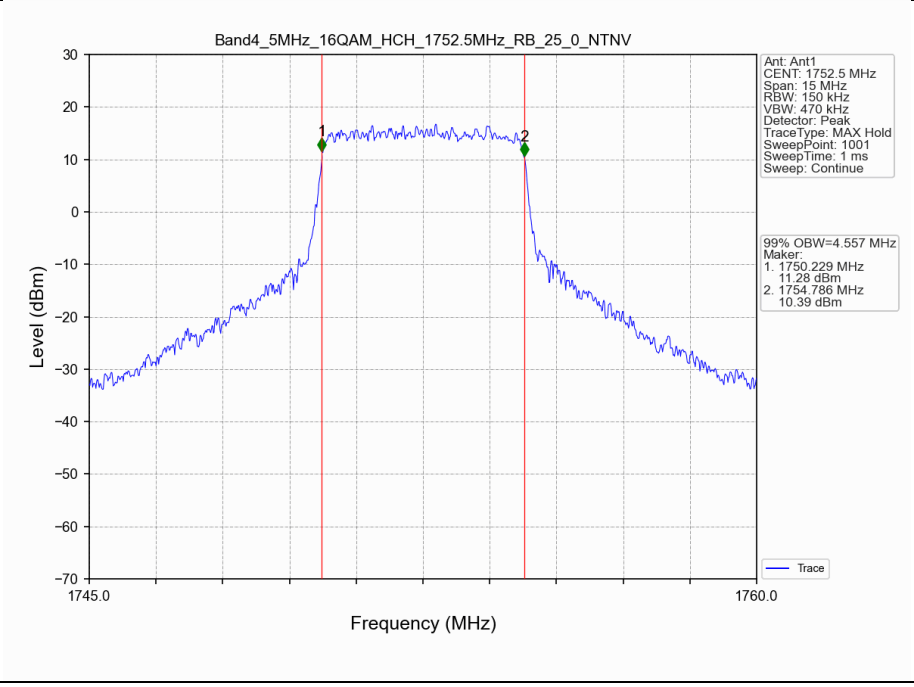
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



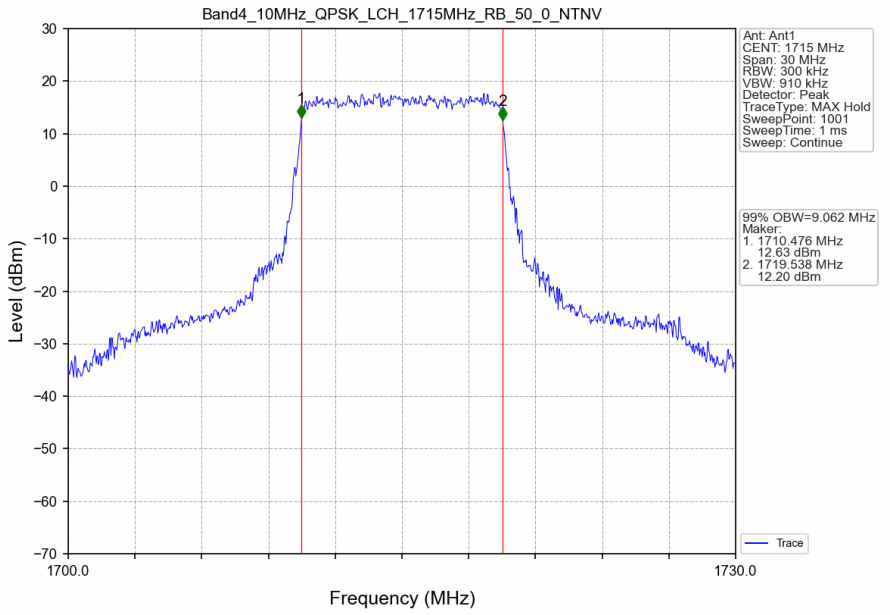
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



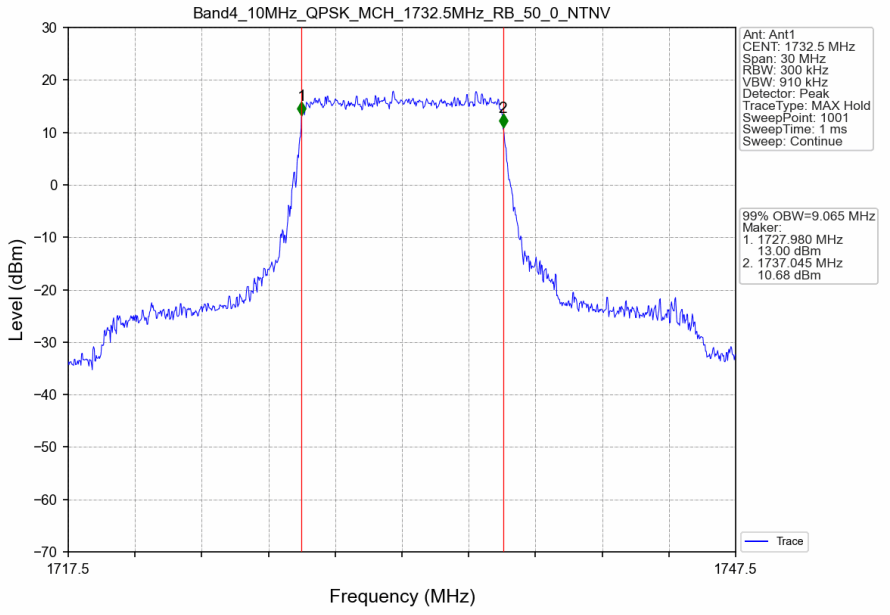
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV


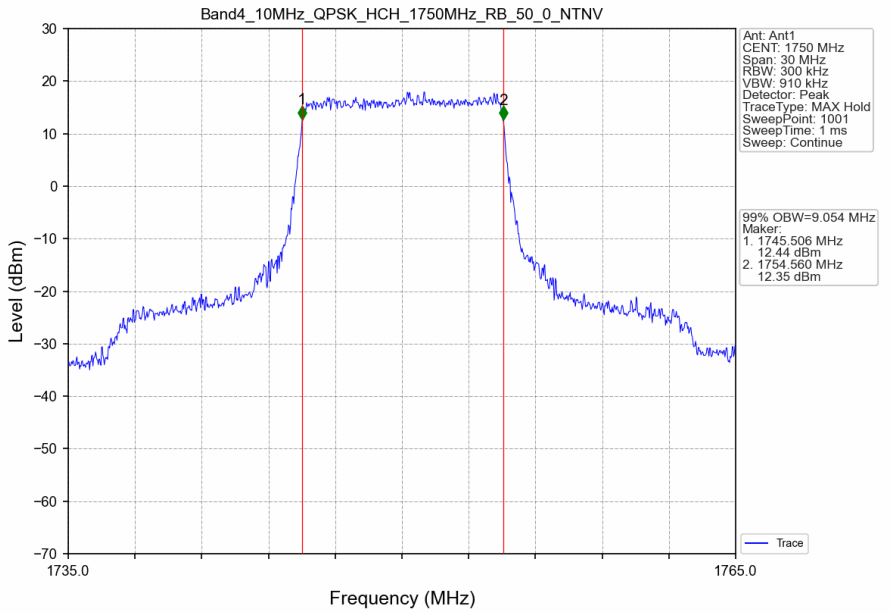
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



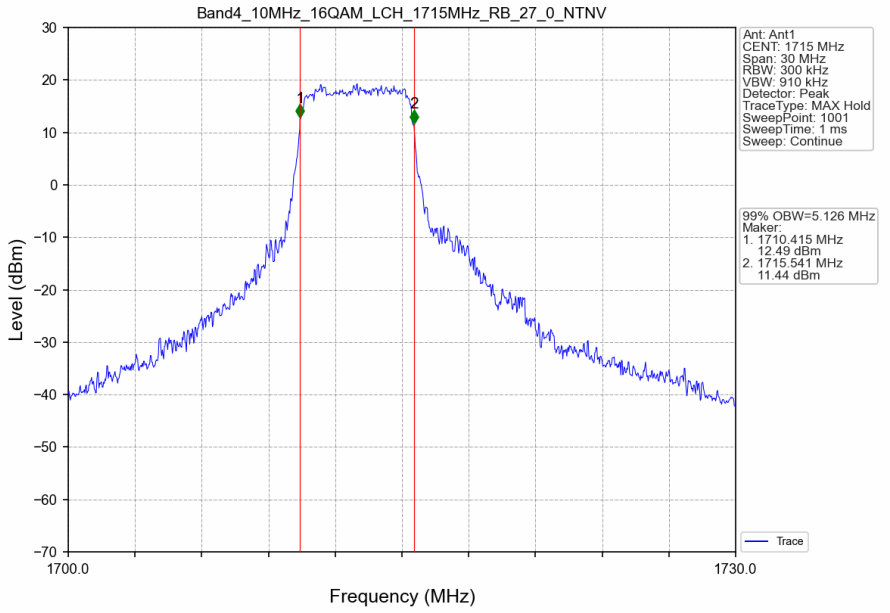
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

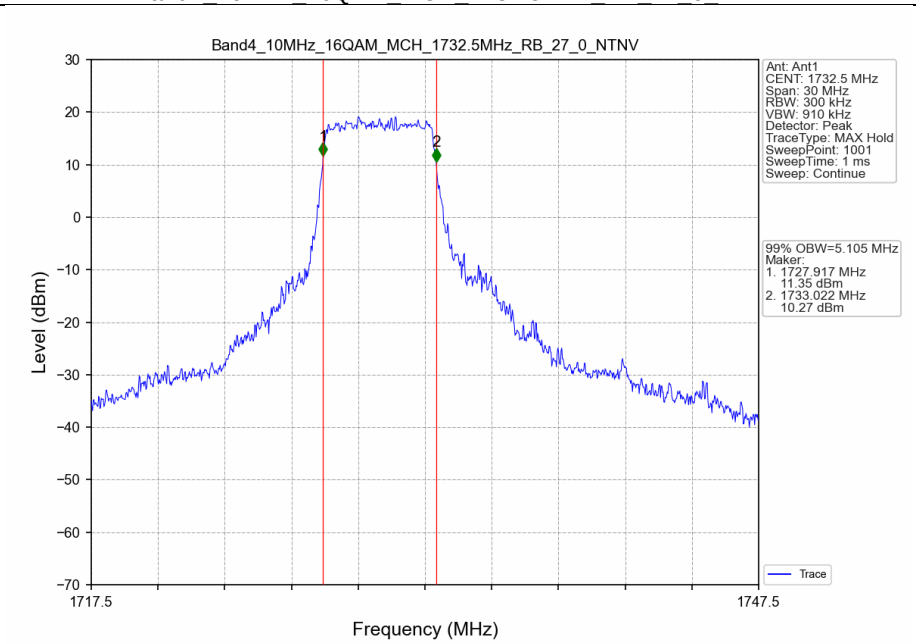


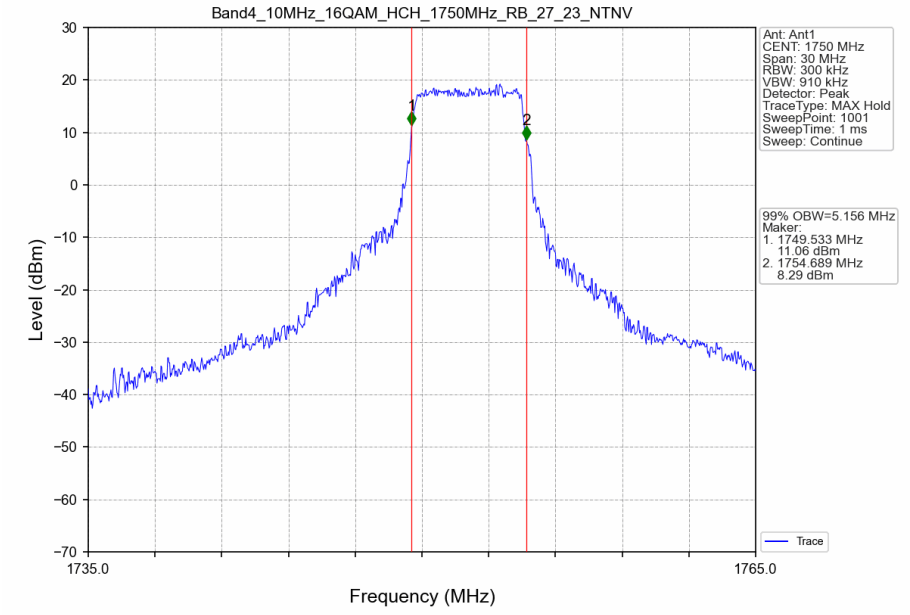
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

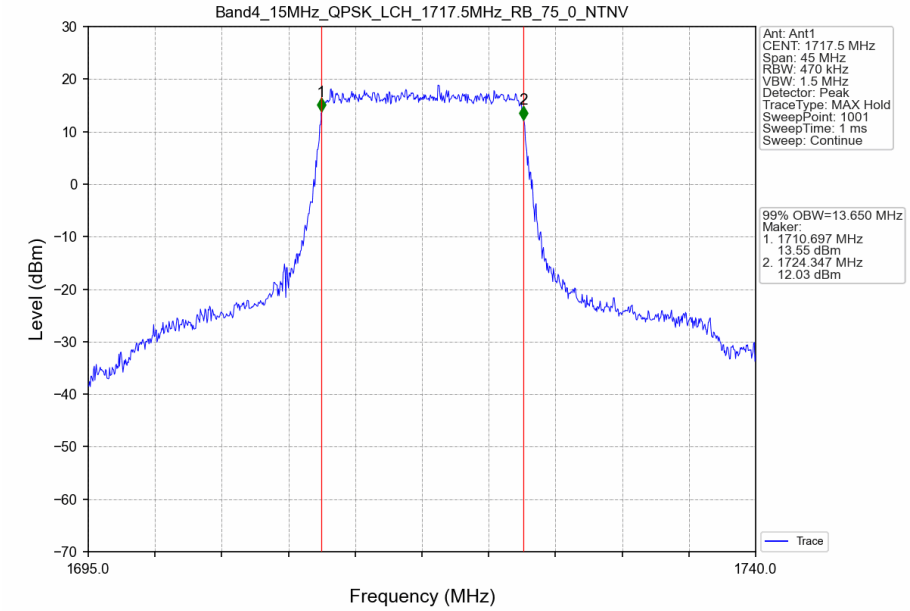


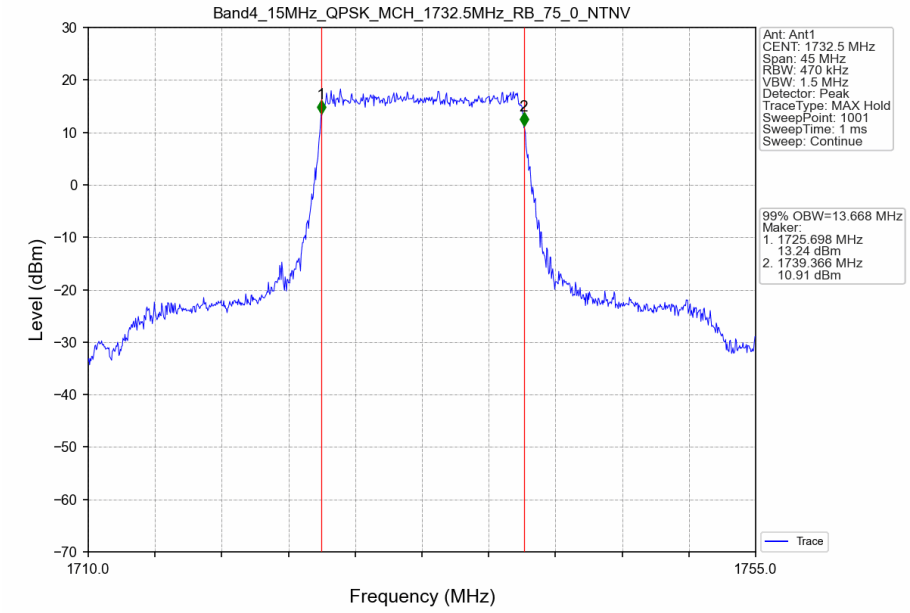
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV

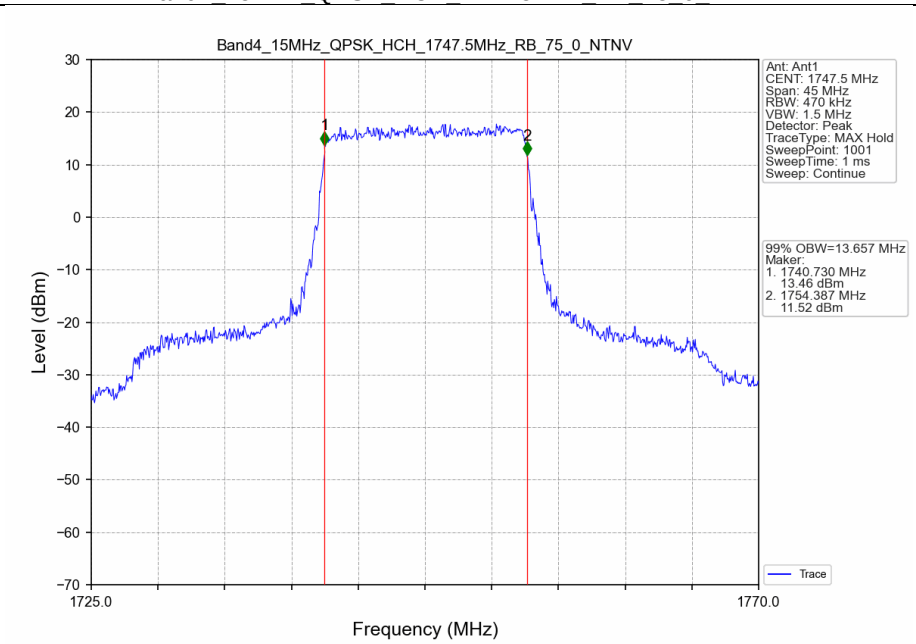


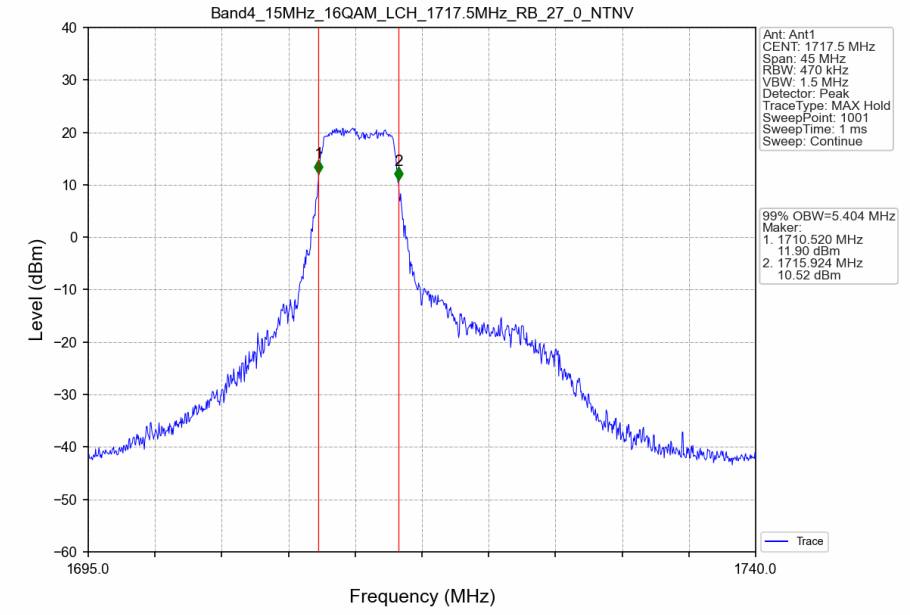
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV


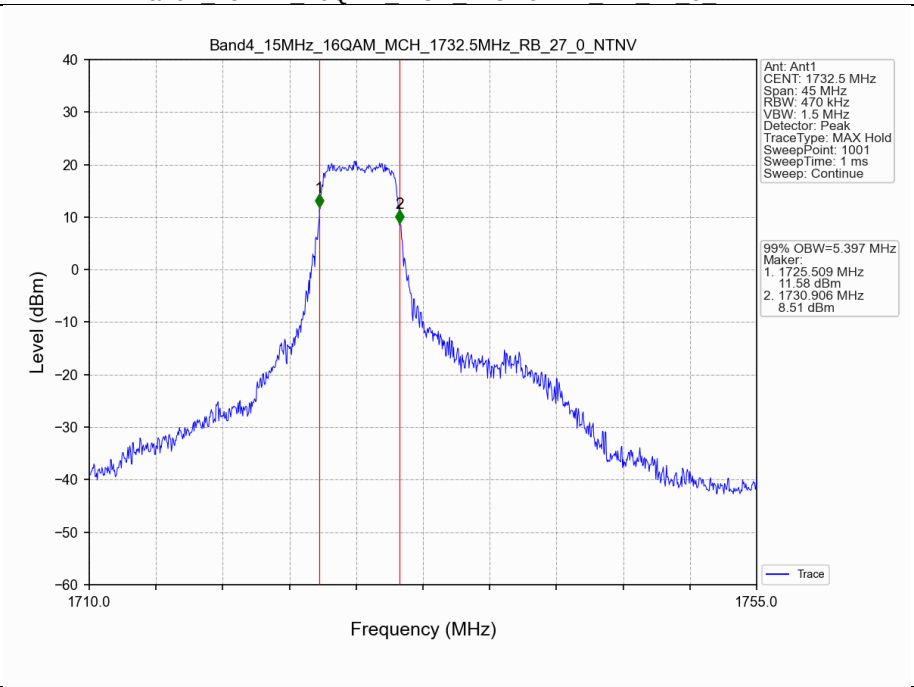
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV


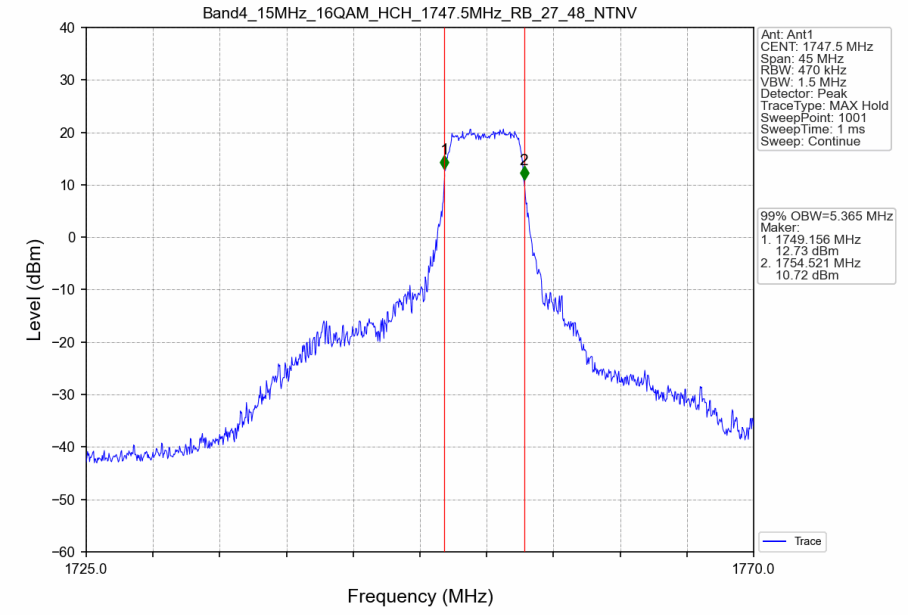
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV


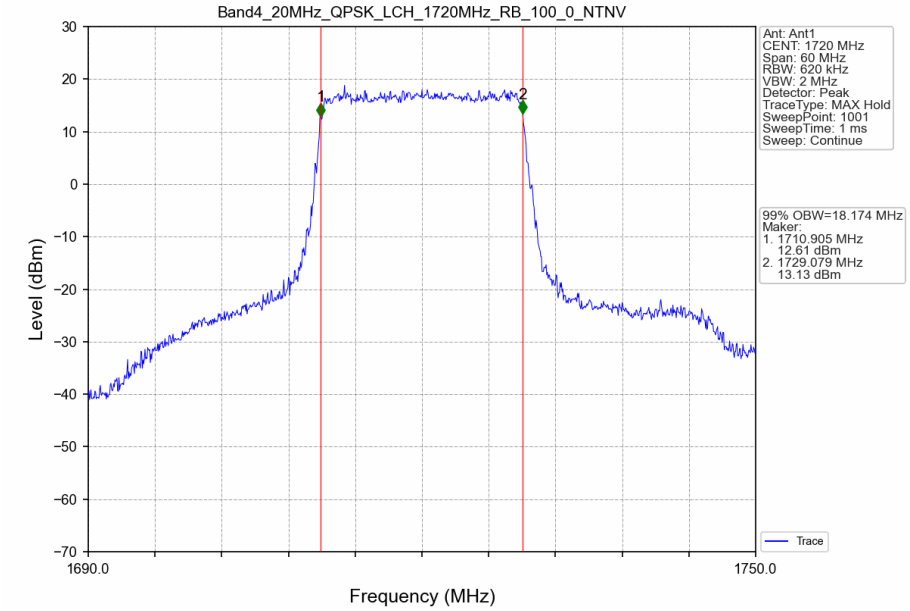
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



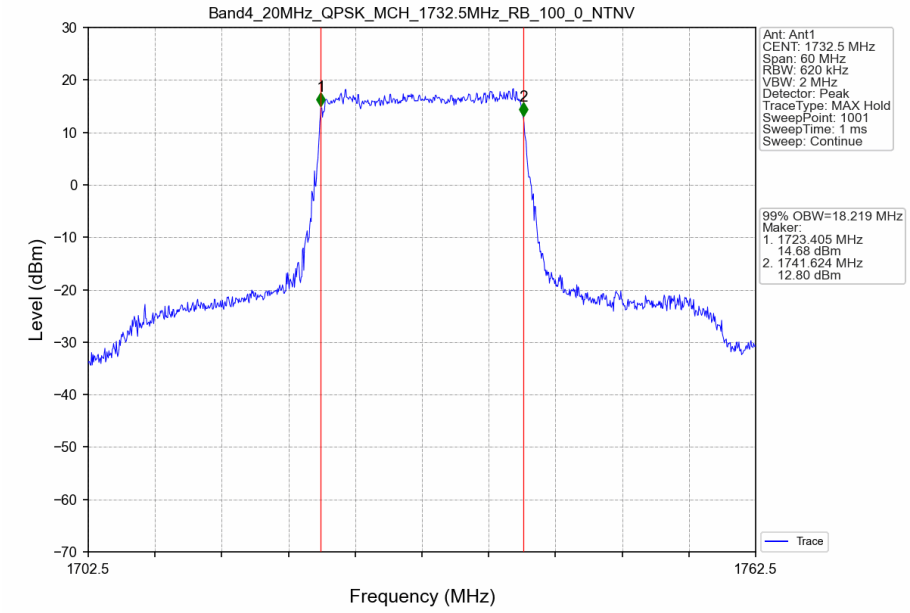
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



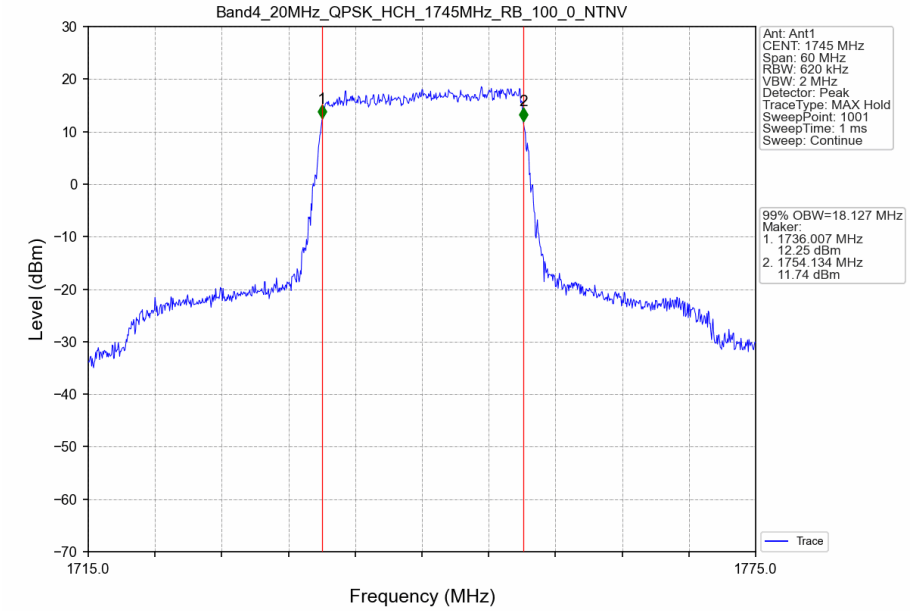
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



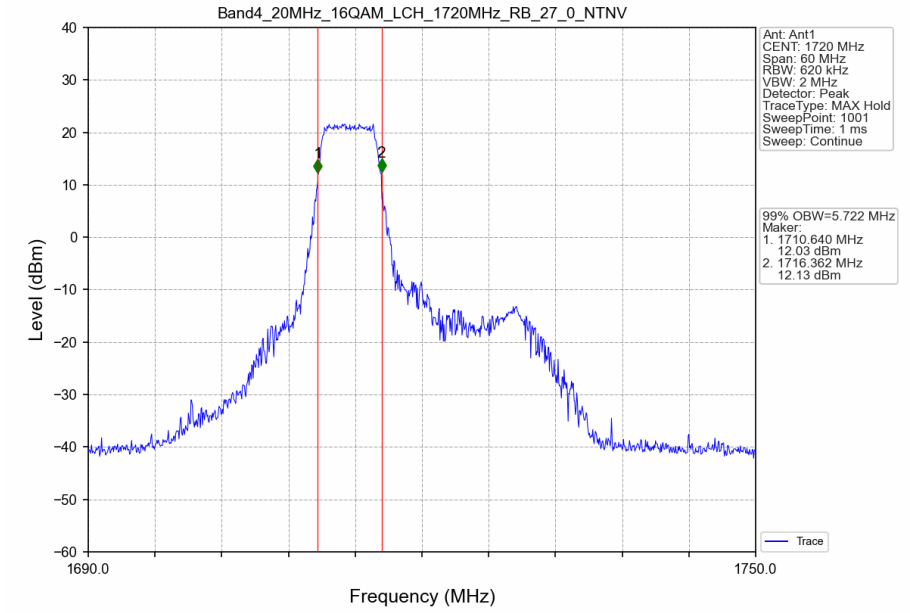
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

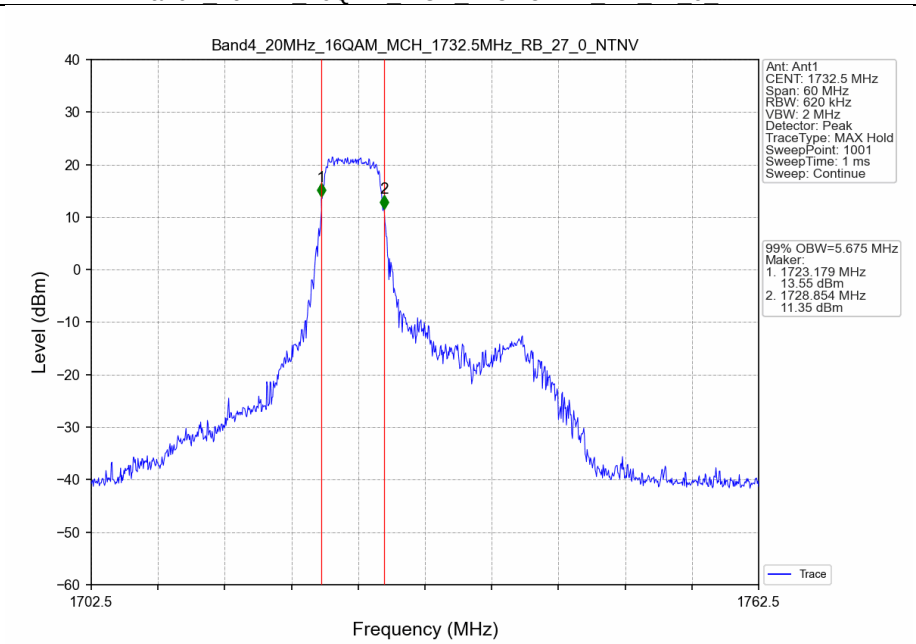


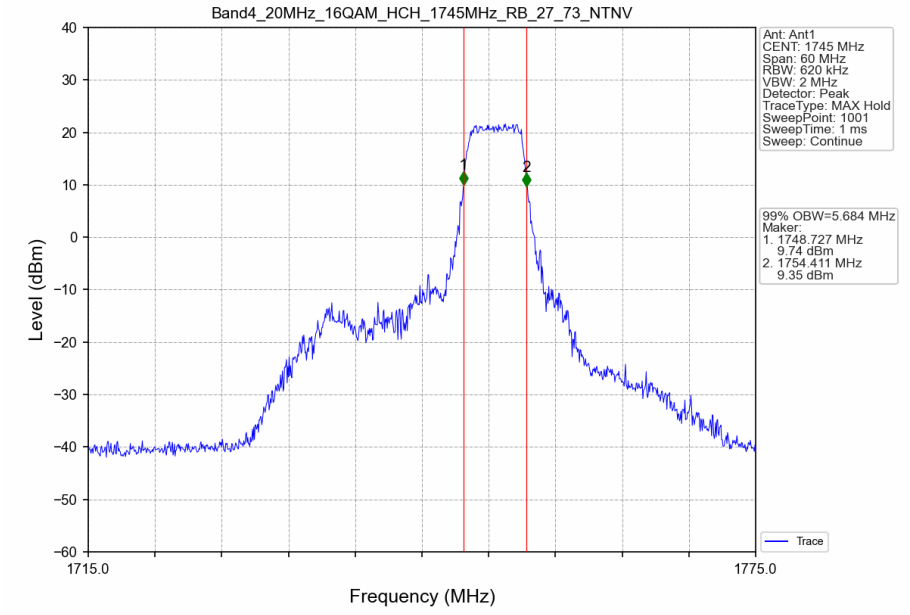
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



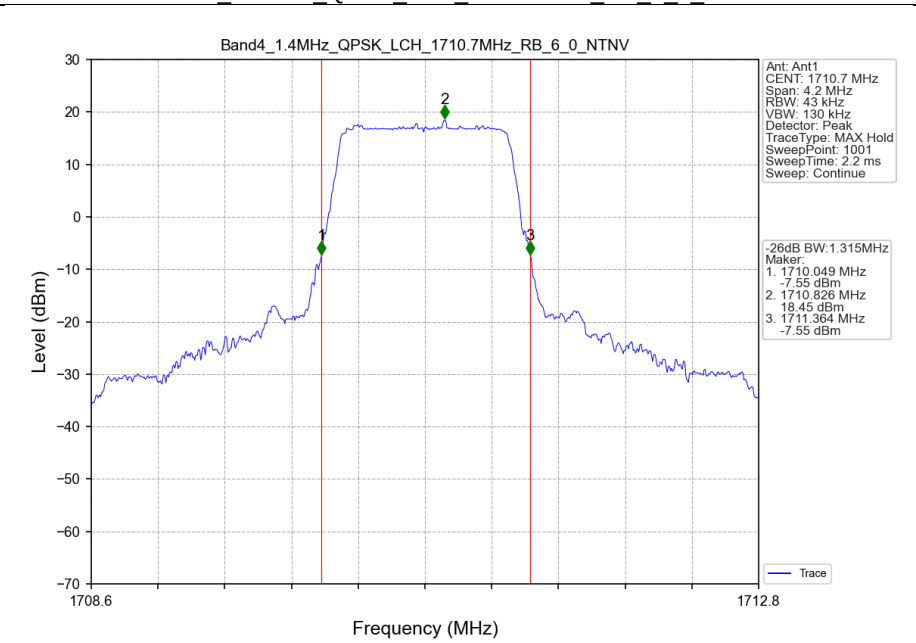
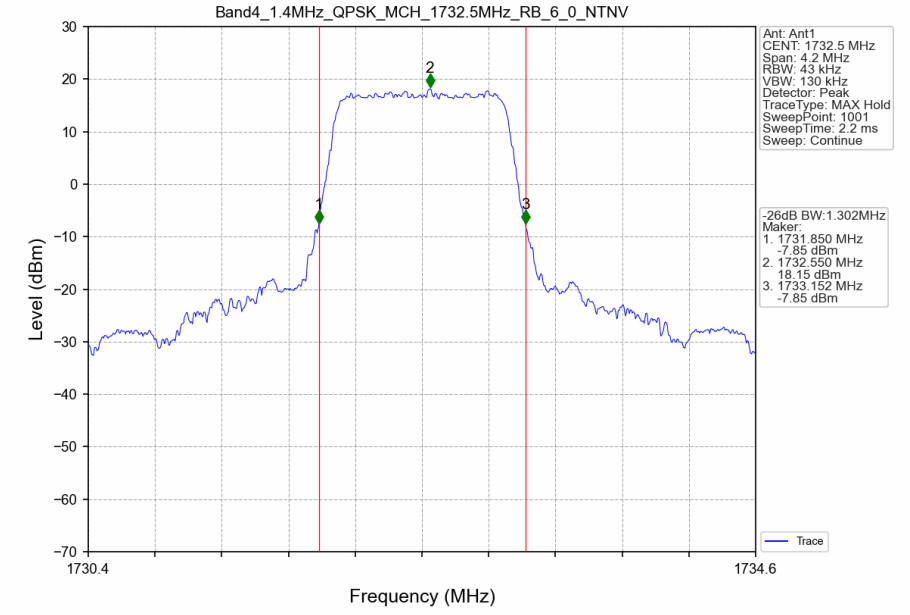
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



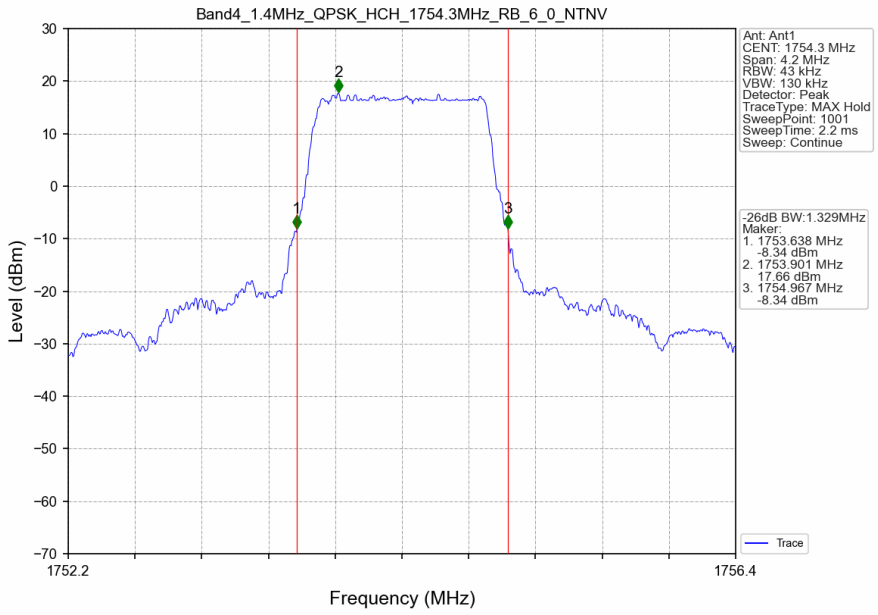
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV


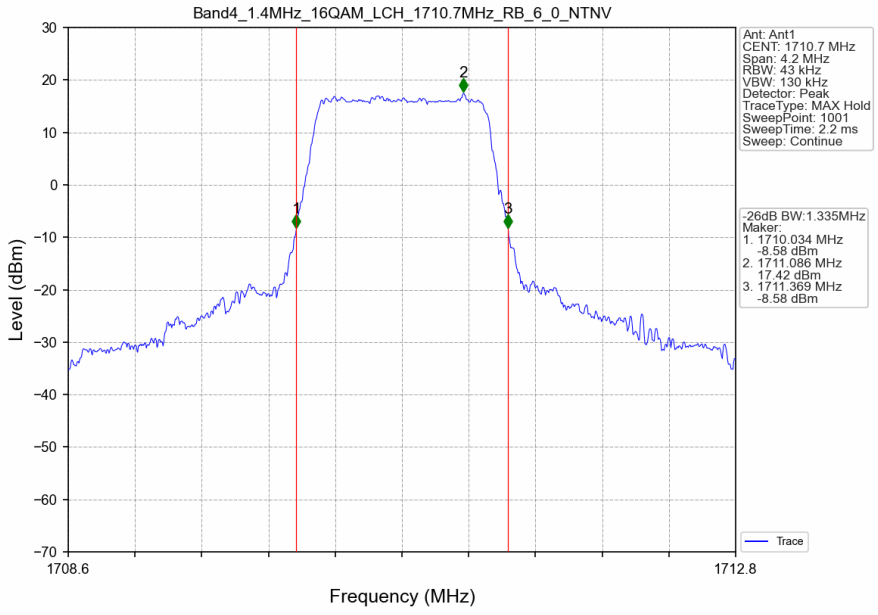
3.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


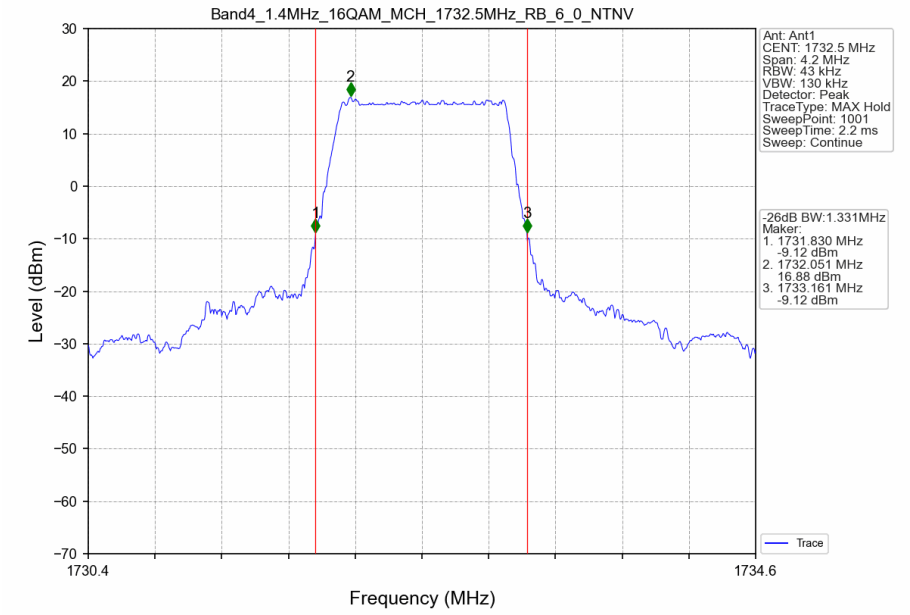
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



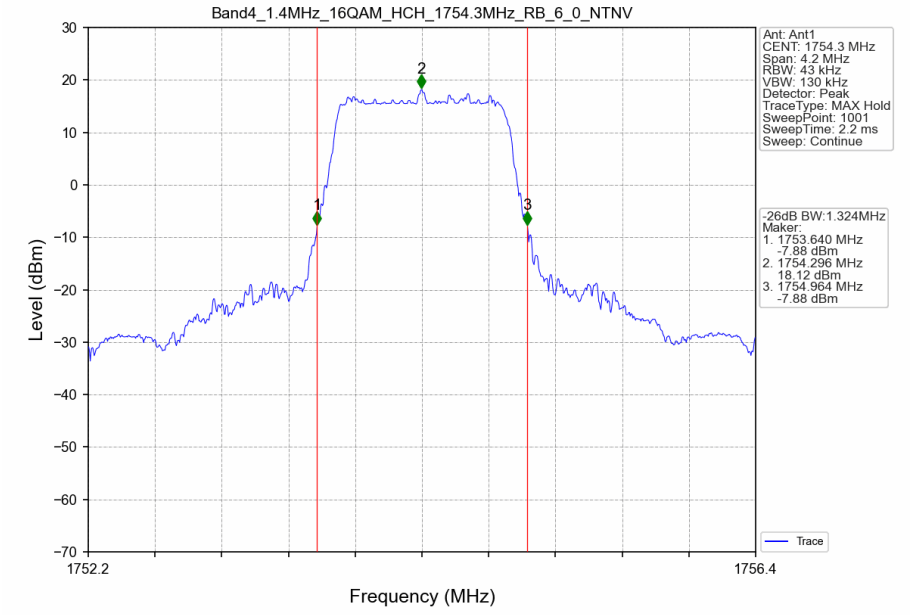
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



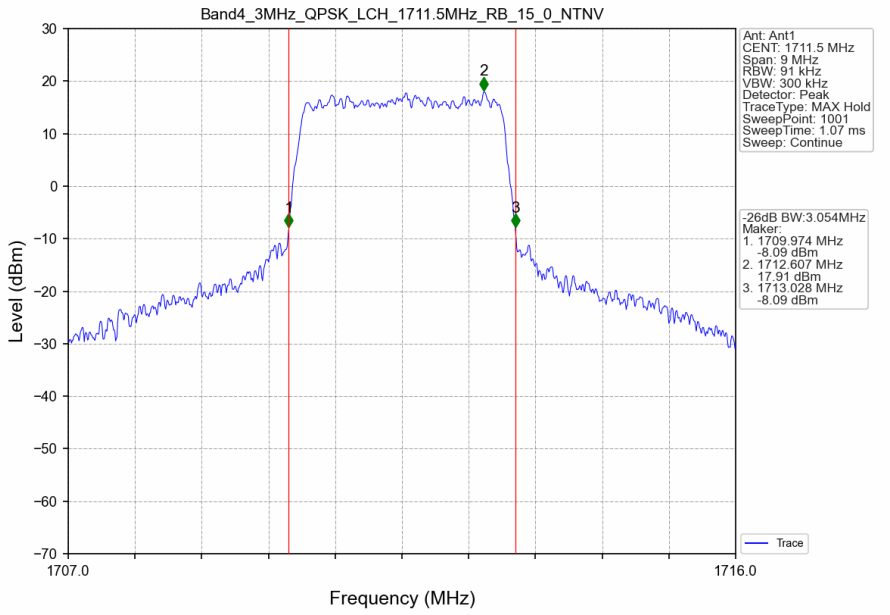
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



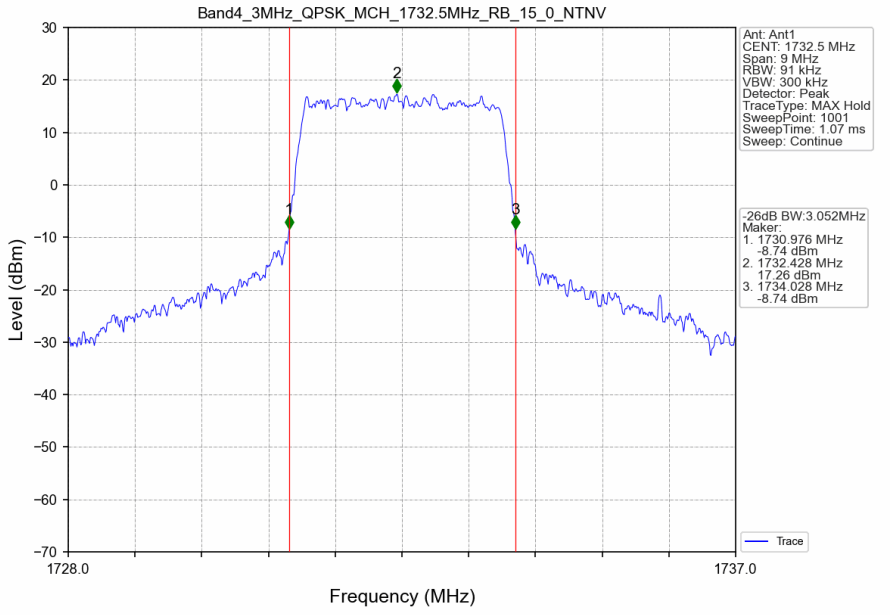
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



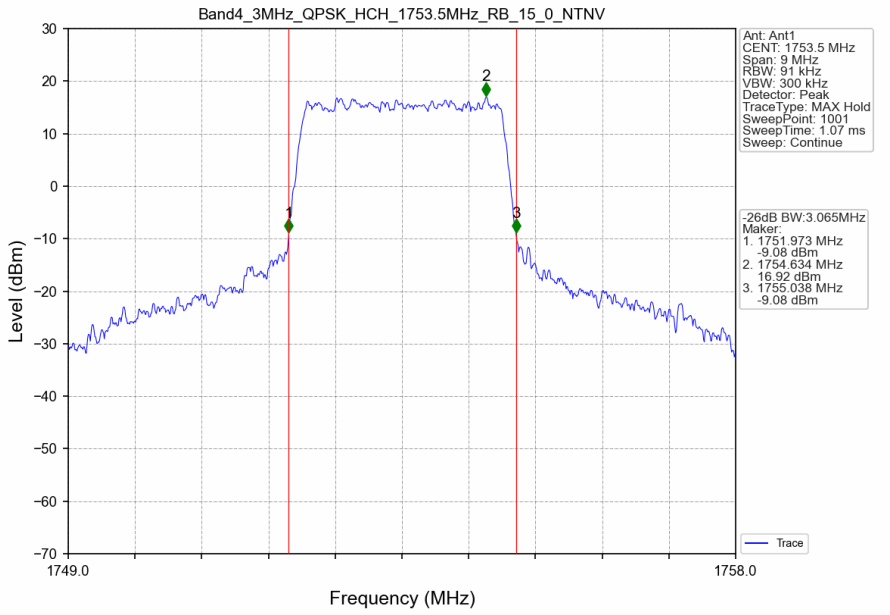
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



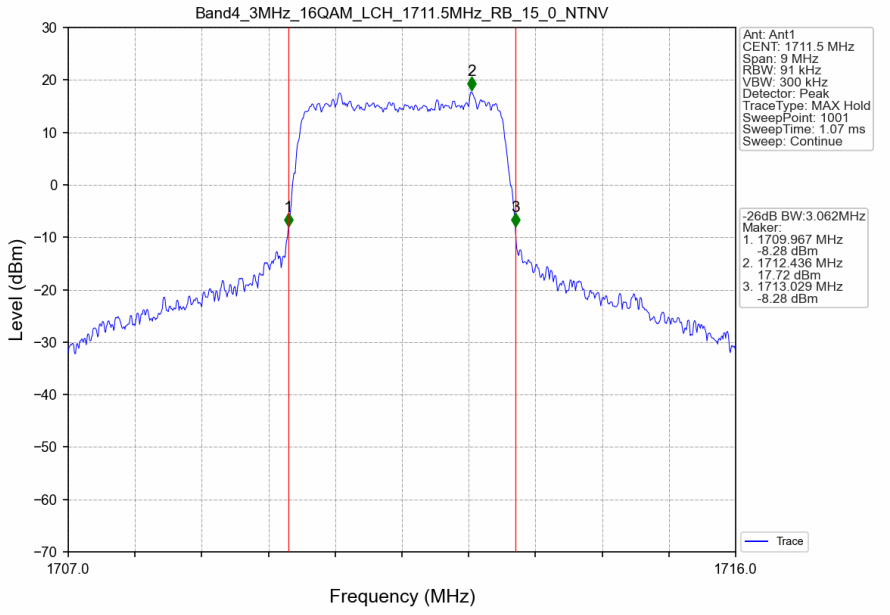
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



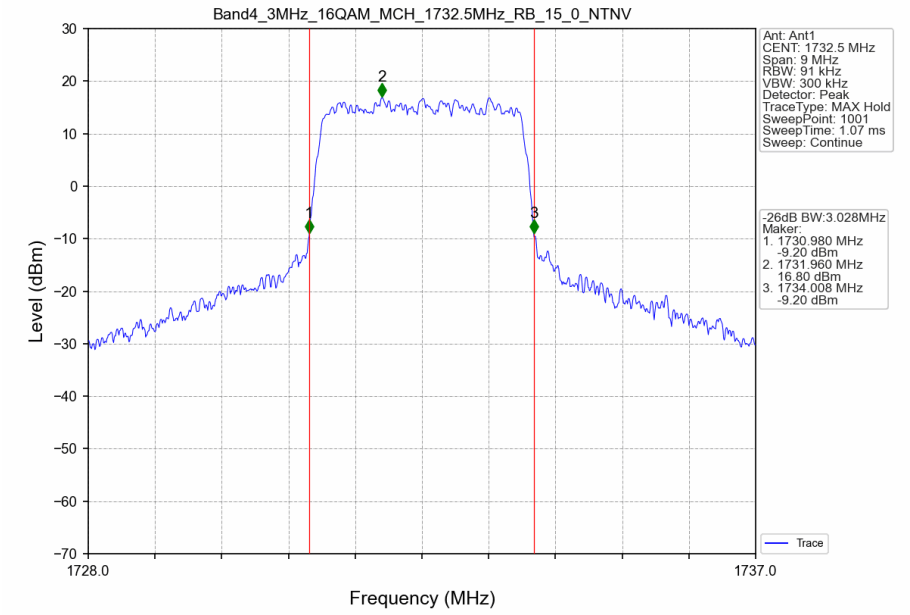
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



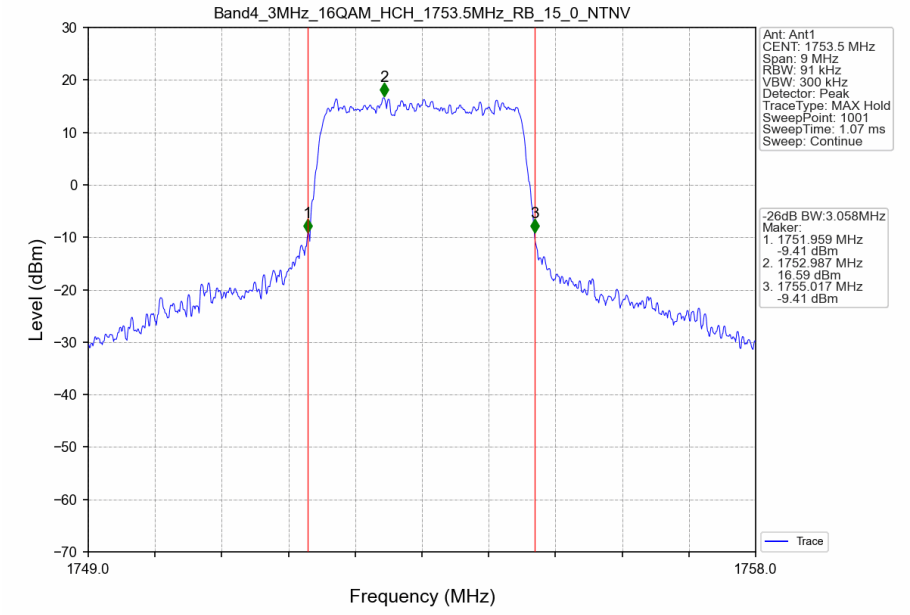
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



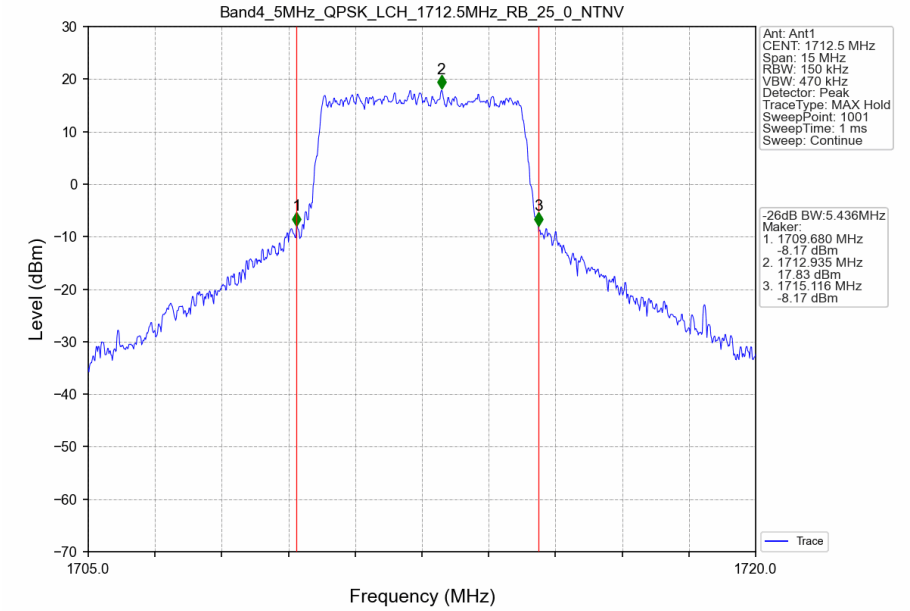
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



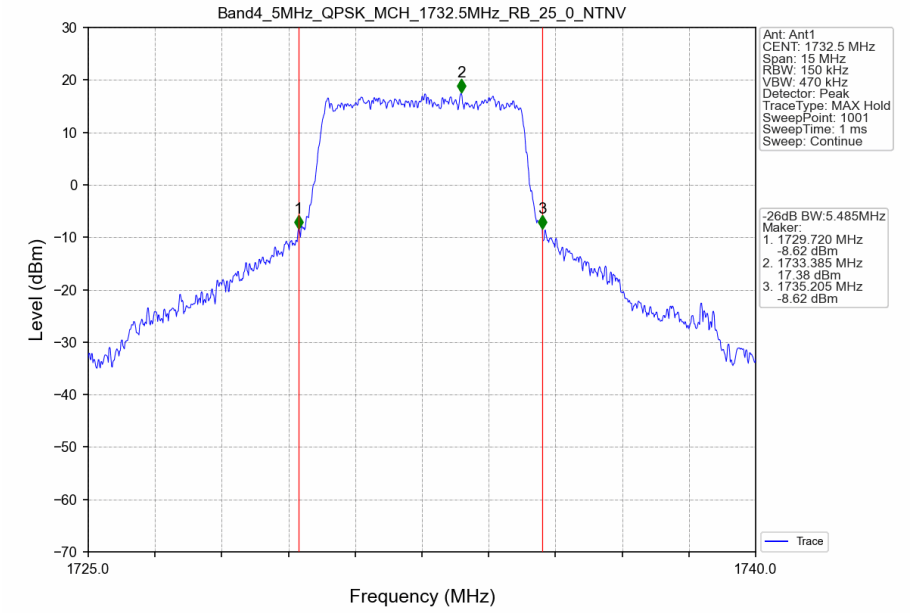
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



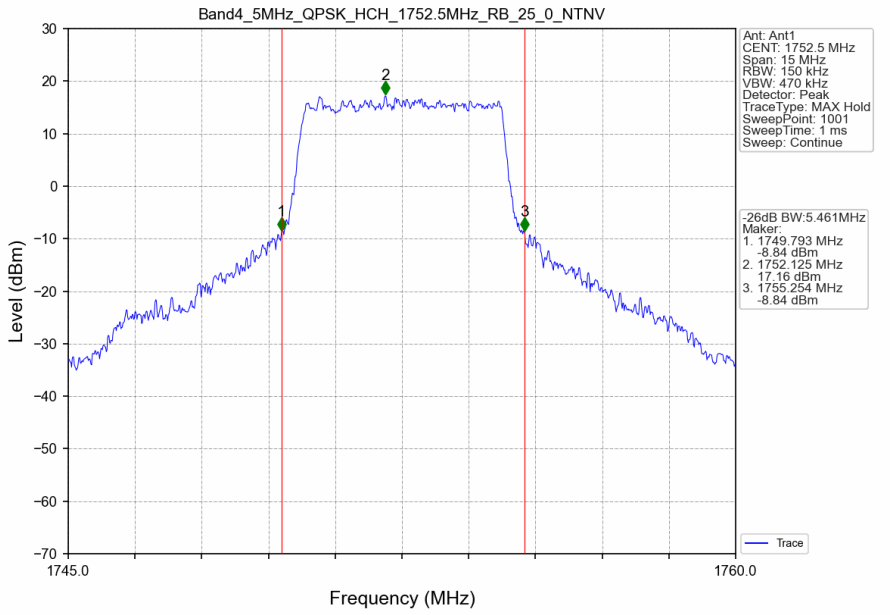
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



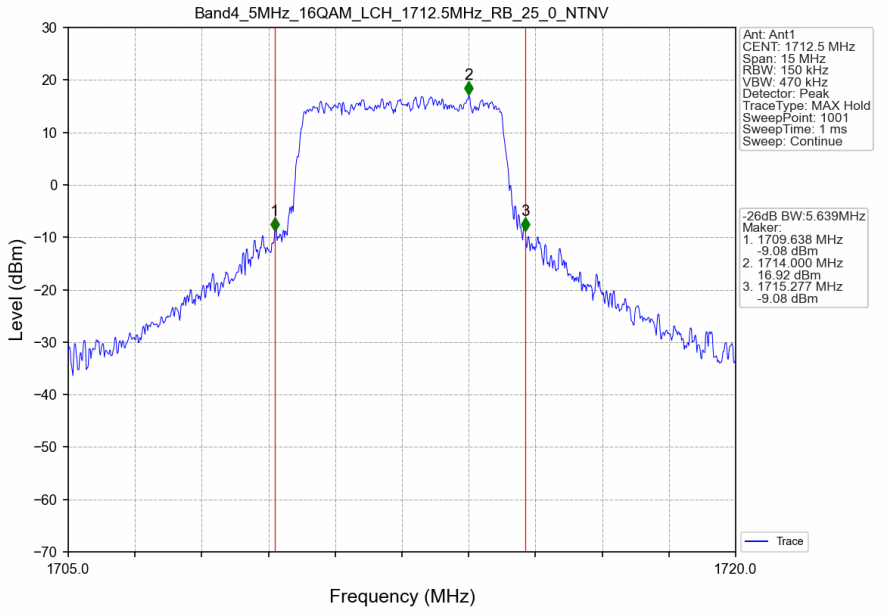
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



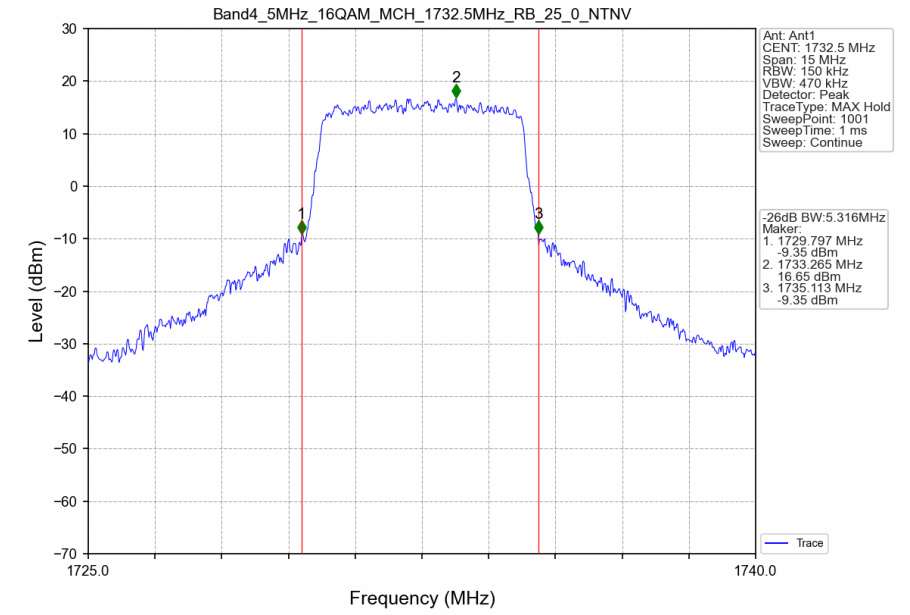
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



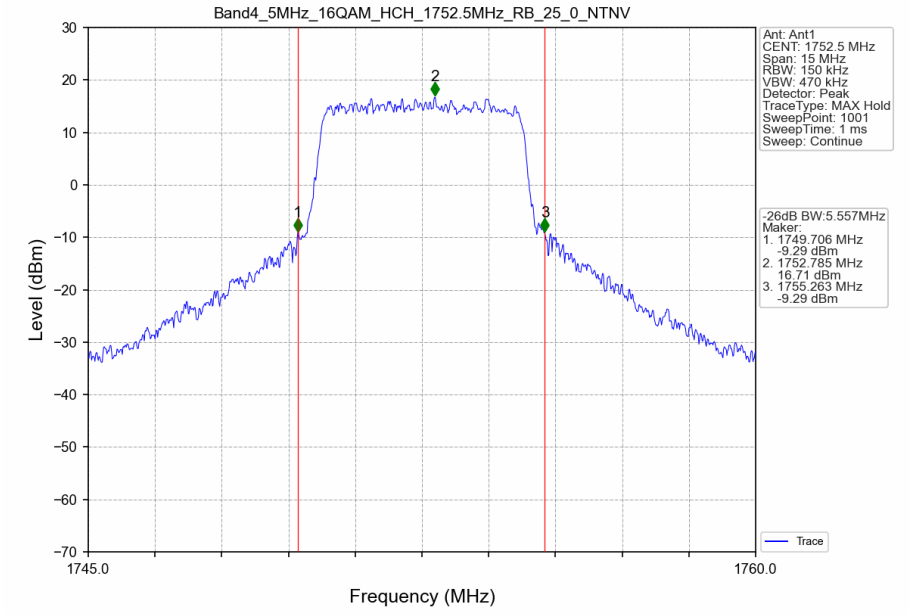
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



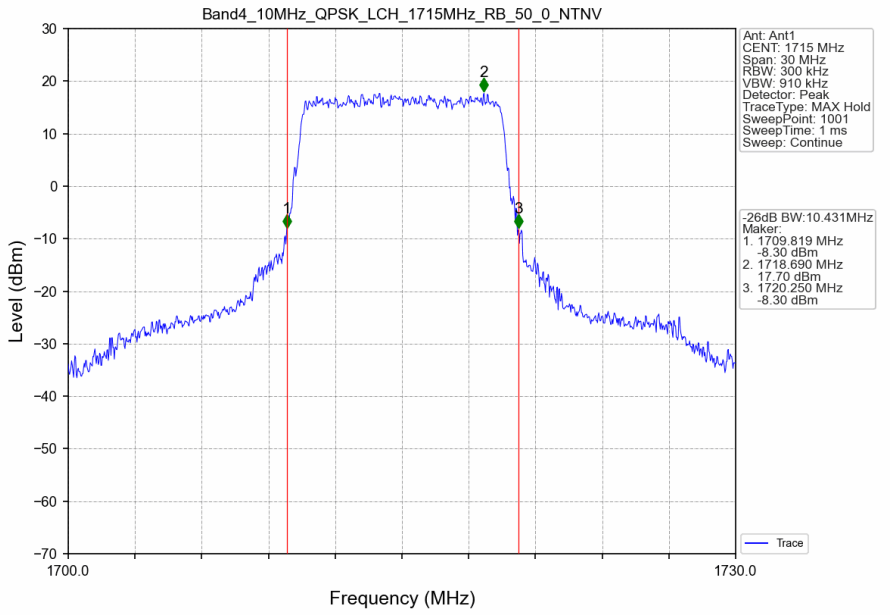
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



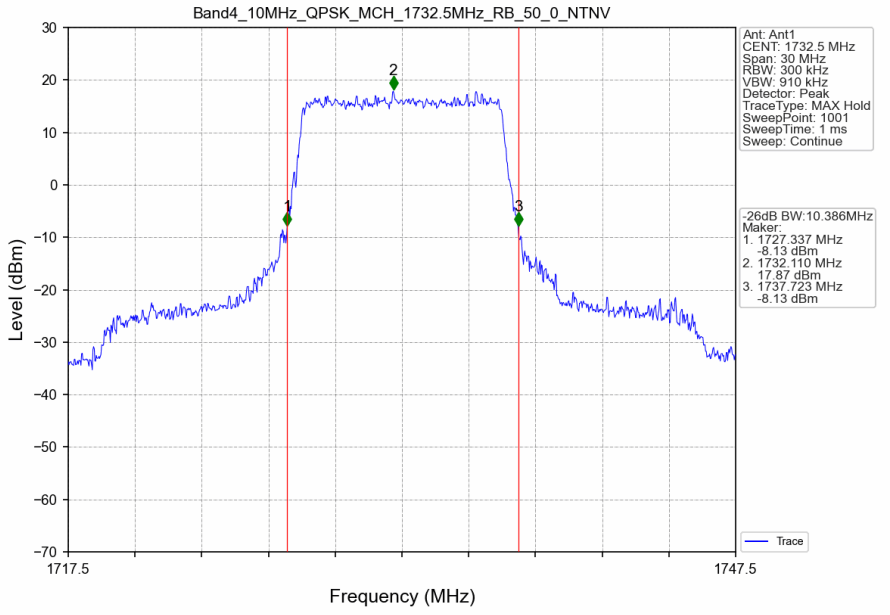
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



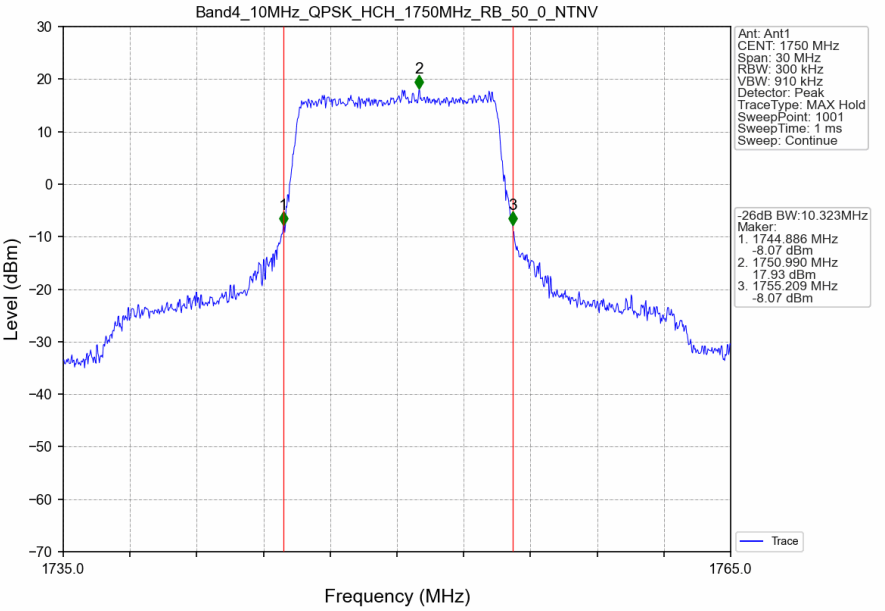
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



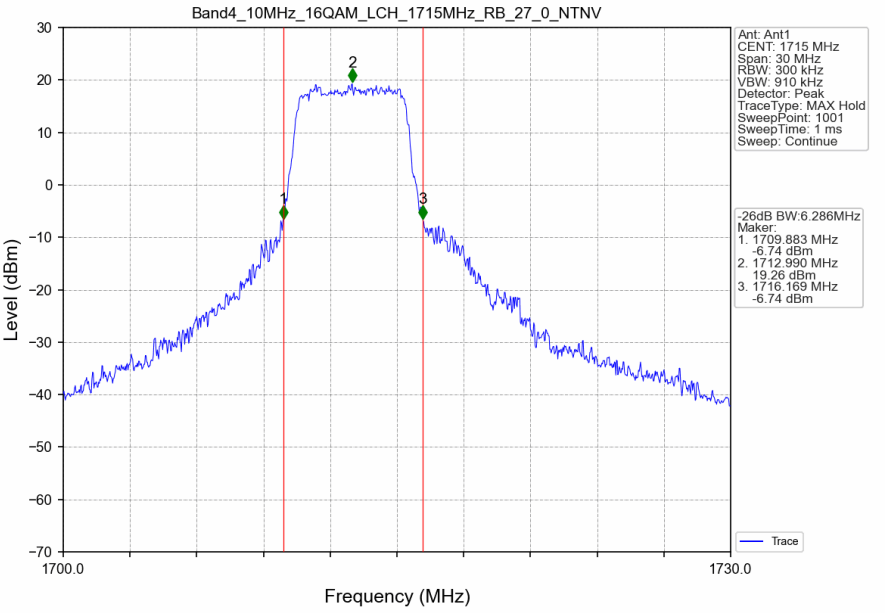
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

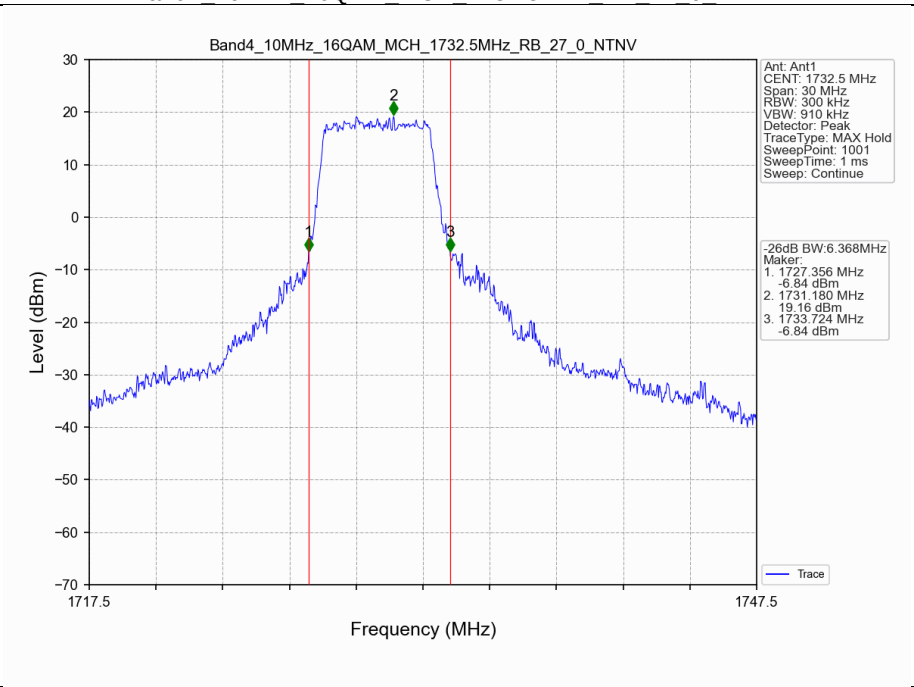


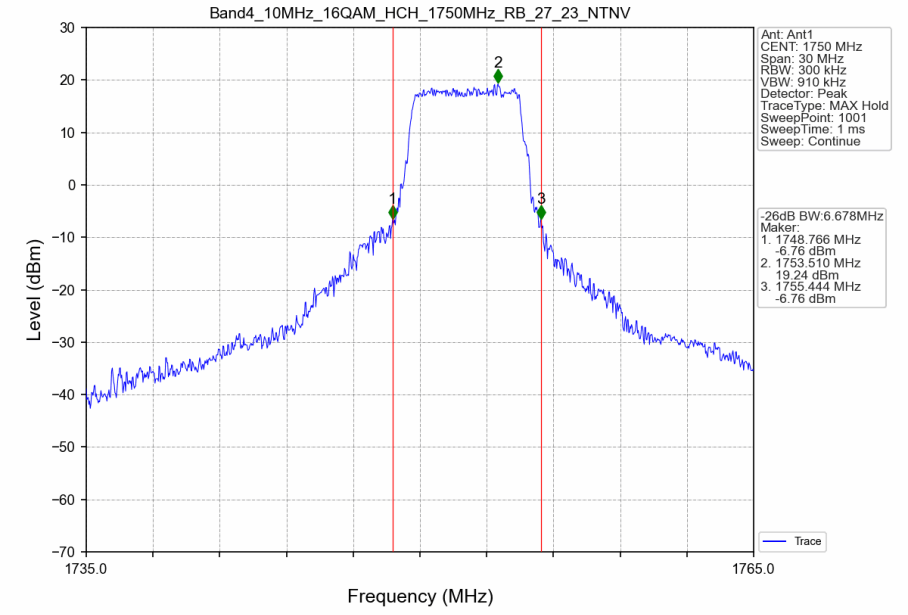
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



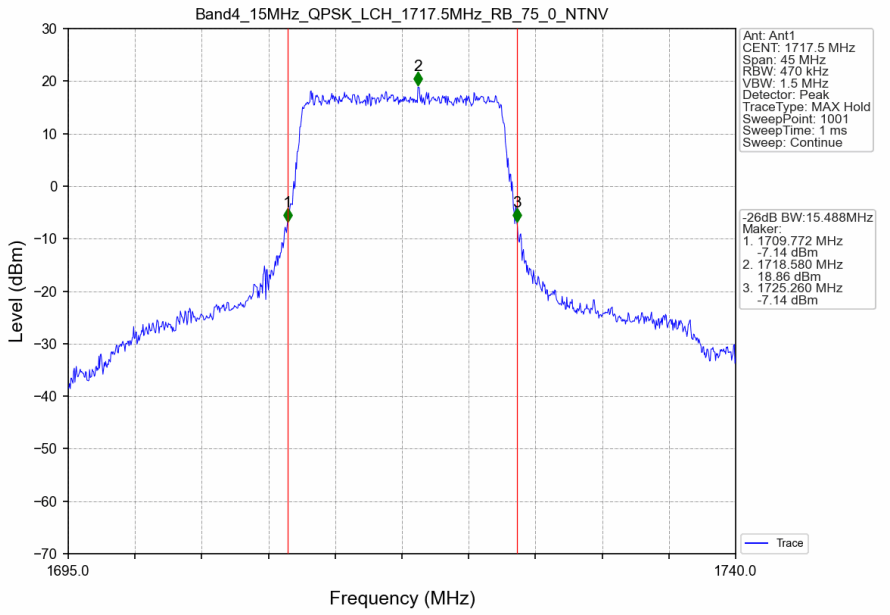
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



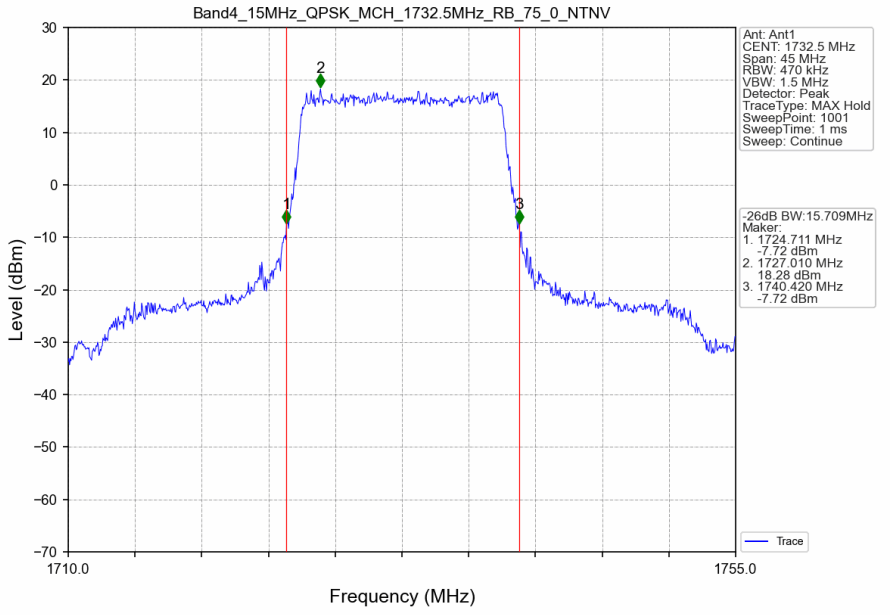
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV


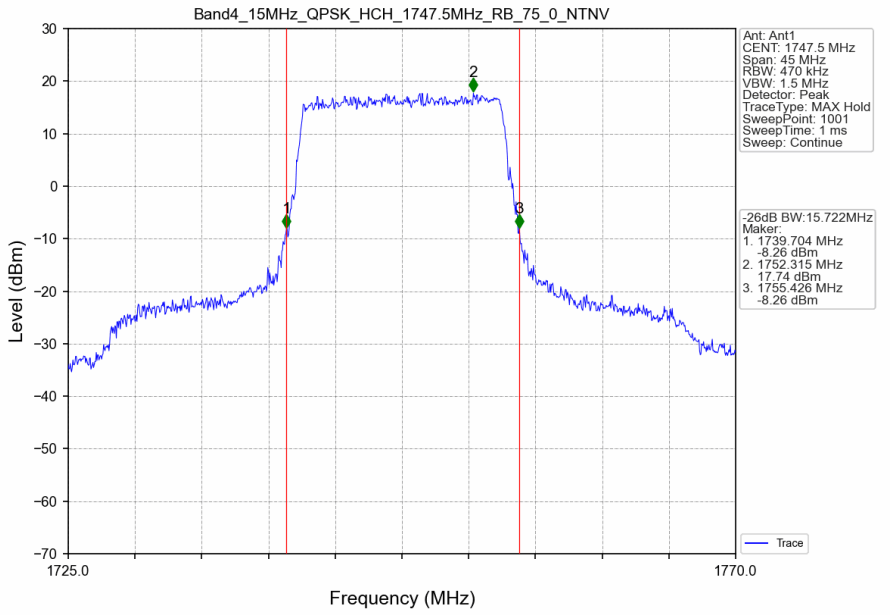
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



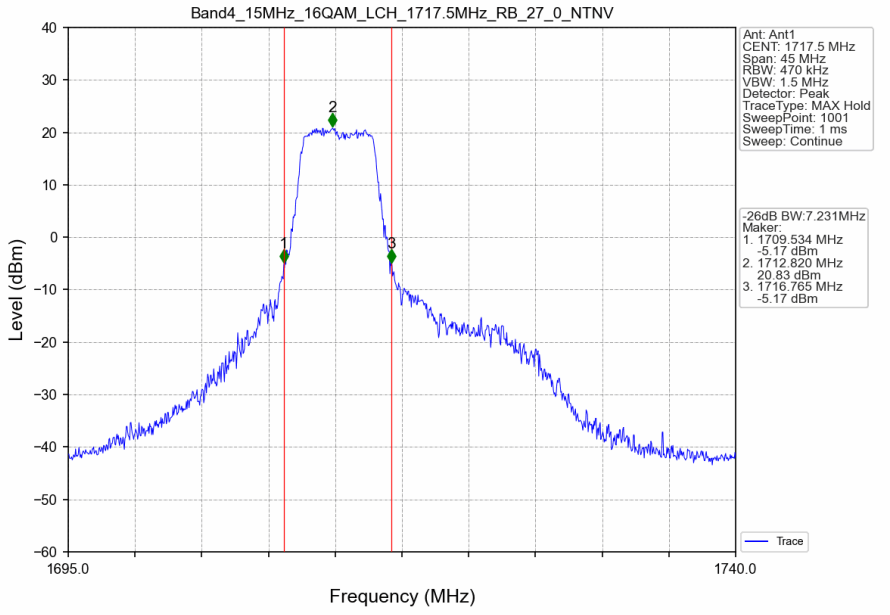
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



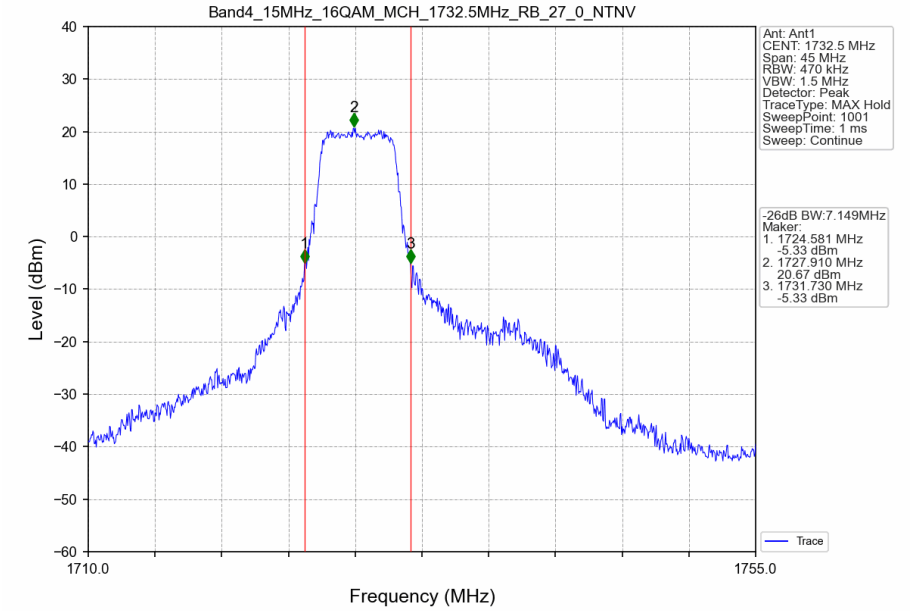
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



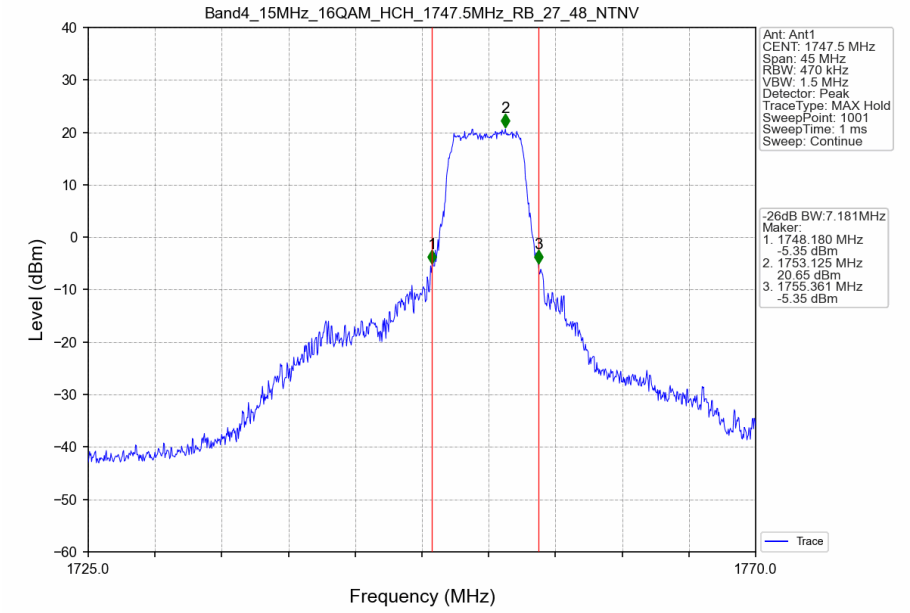
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



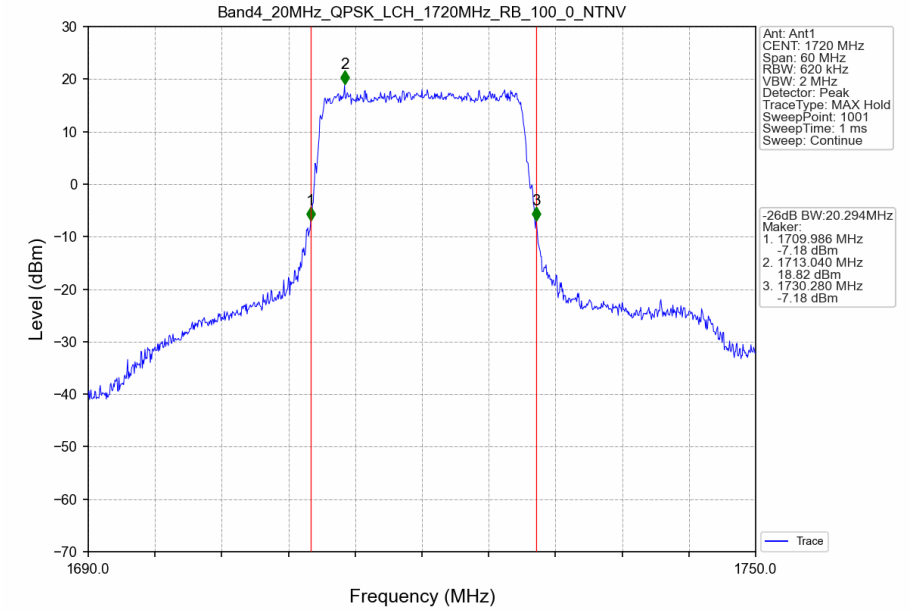
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



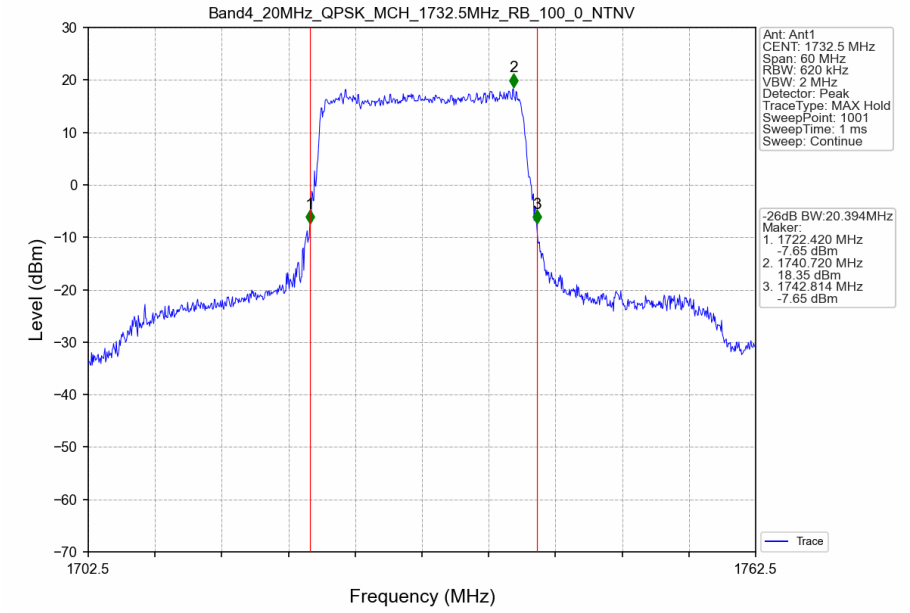
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



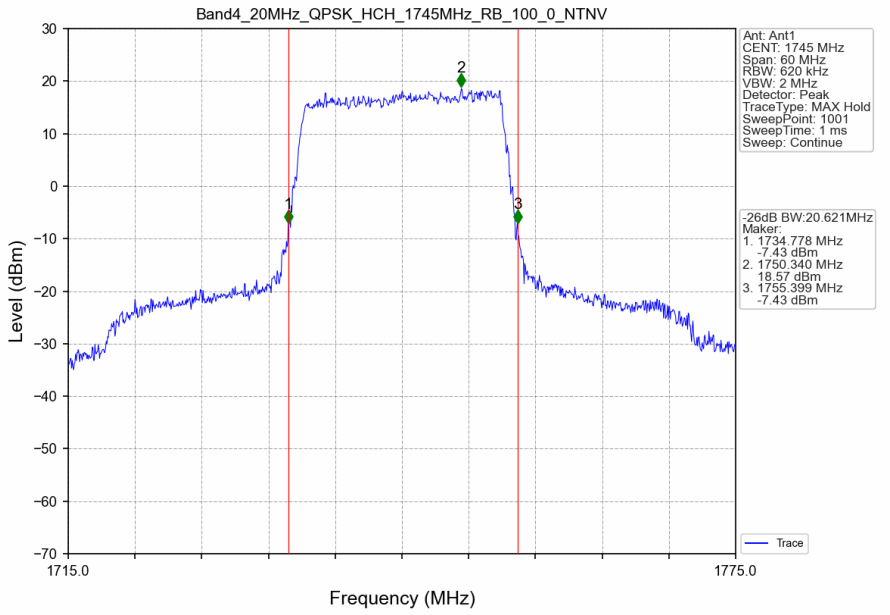
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



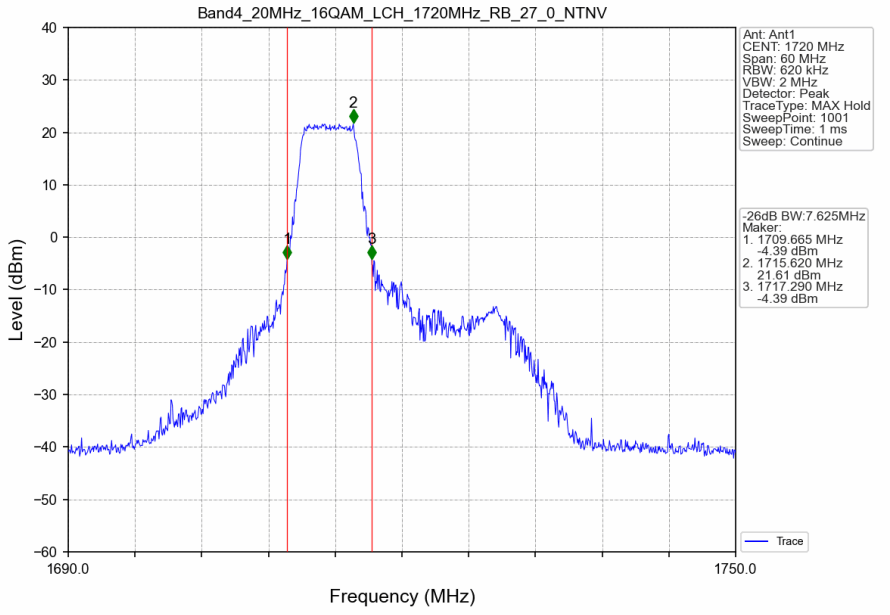
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



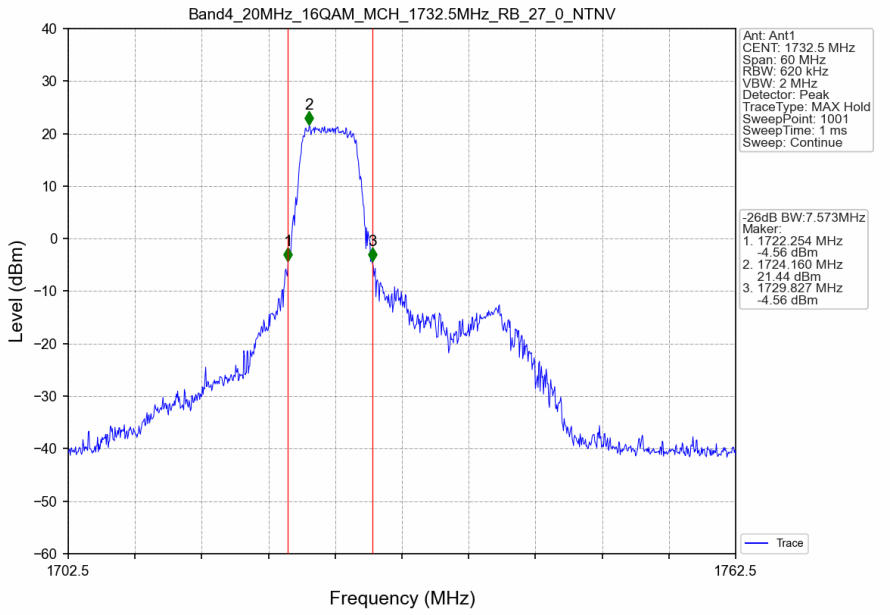
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



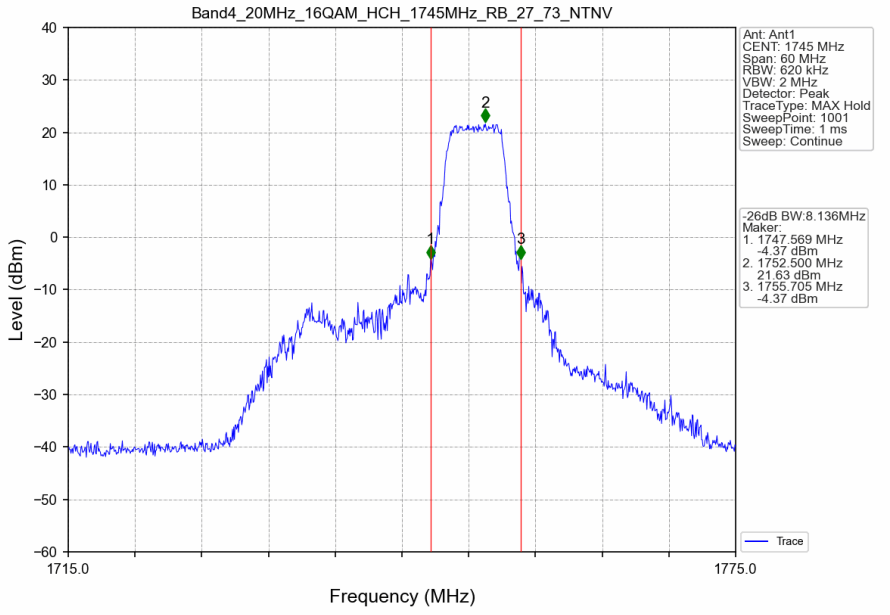
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



4. Peak-Average Ratio

4.1 Test Result

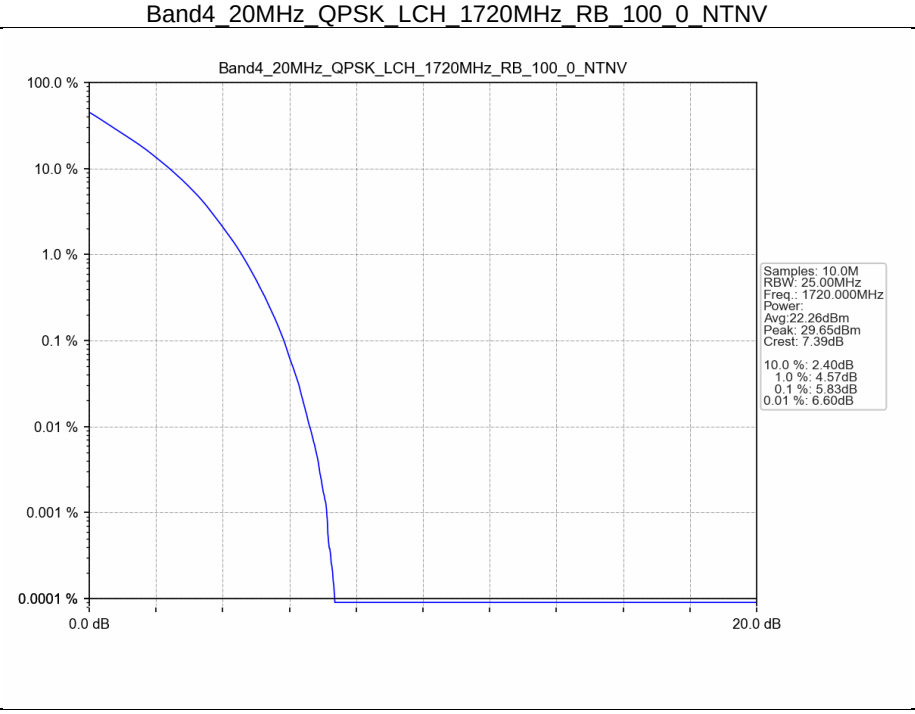
4.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.83	<=13	Pass
	1732.5	100	0	5.85	<=13	Pass
	1745	100	0	8.37	<=13	Pass
16QAM	1720	27	0	6.52	<=13	Pass
	1732.5	27	0	6.62	<=13	Pass
	1745	27	73	6.01	<=13	Pass

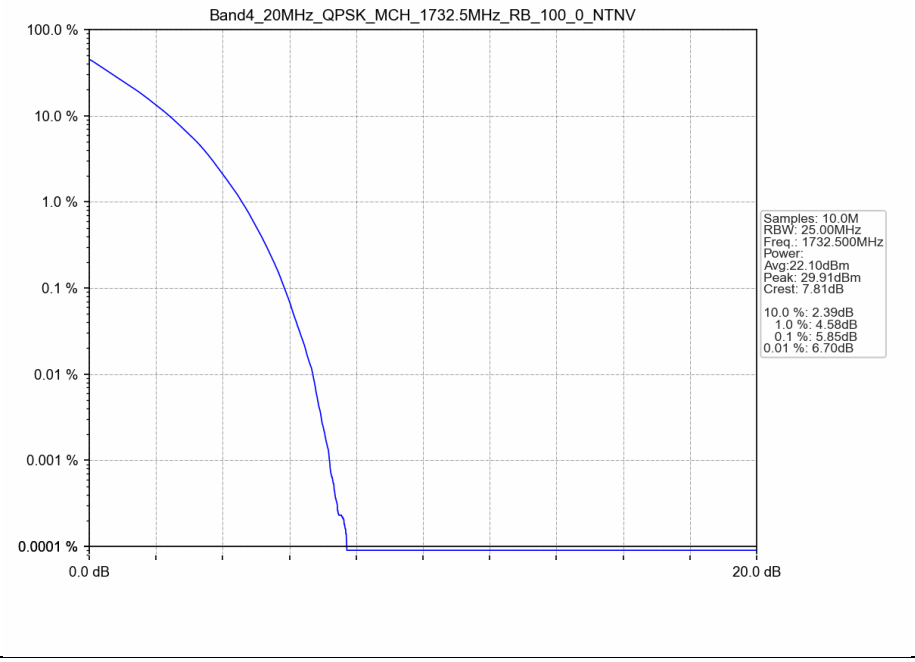
4.2 Test Graph

4.2.1 B4_20MHz

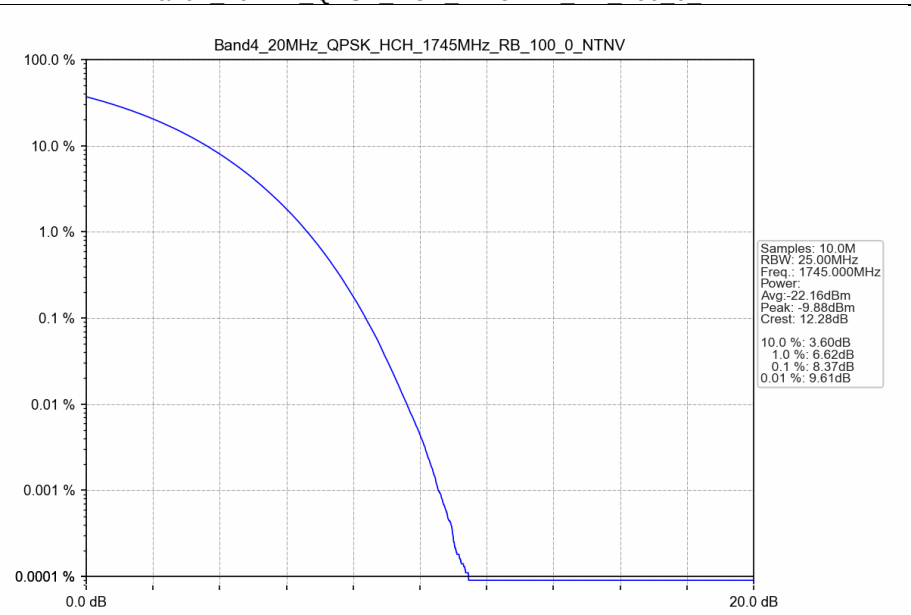
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



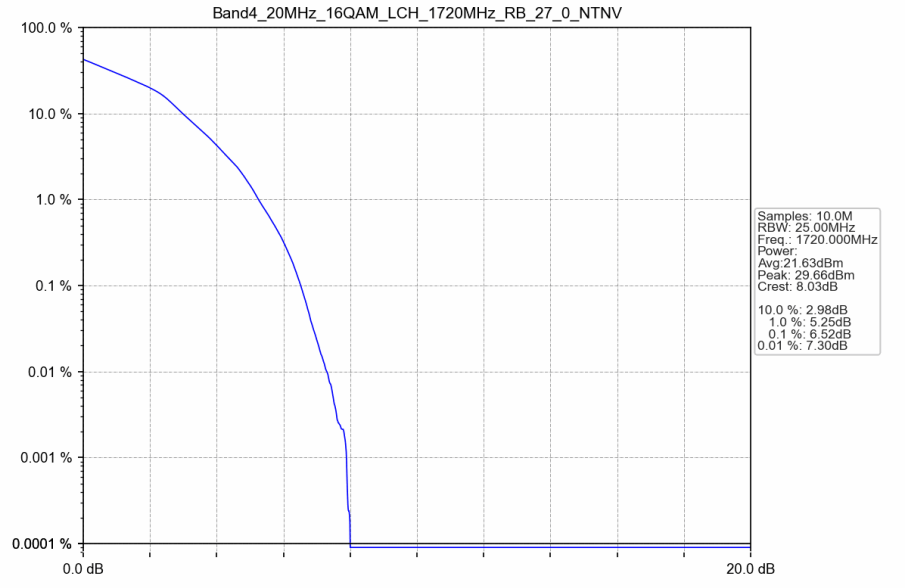
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



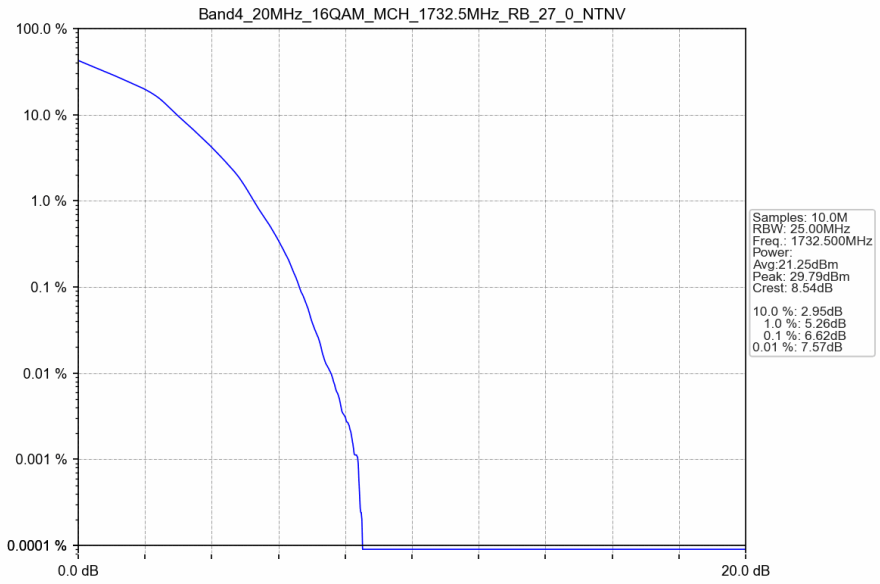
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



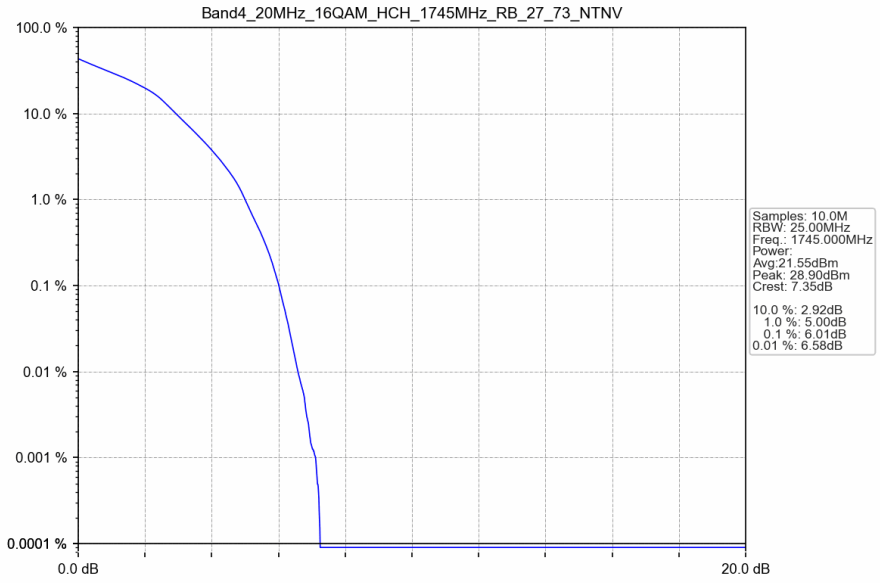
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



5. Spurious Emission

5.1 Test Result

55.1.1 B4_1.4MHz

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 B4_3MHz

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

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

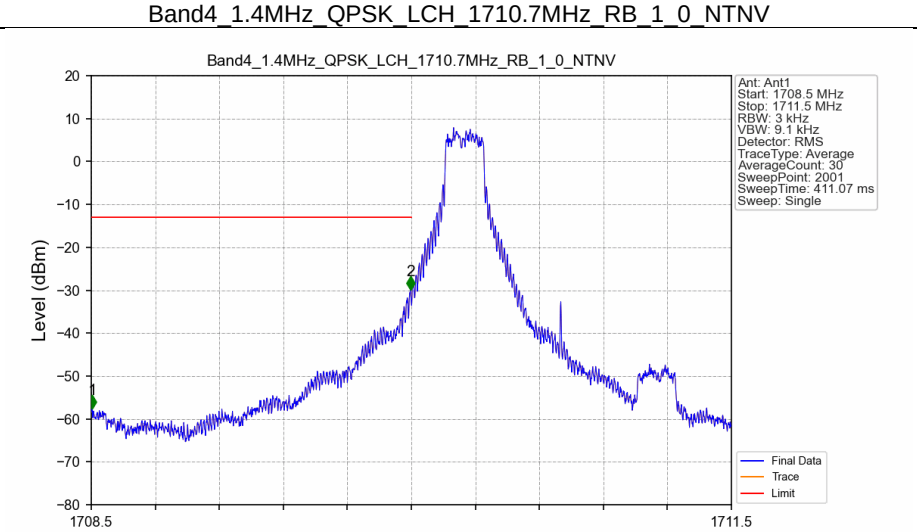
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

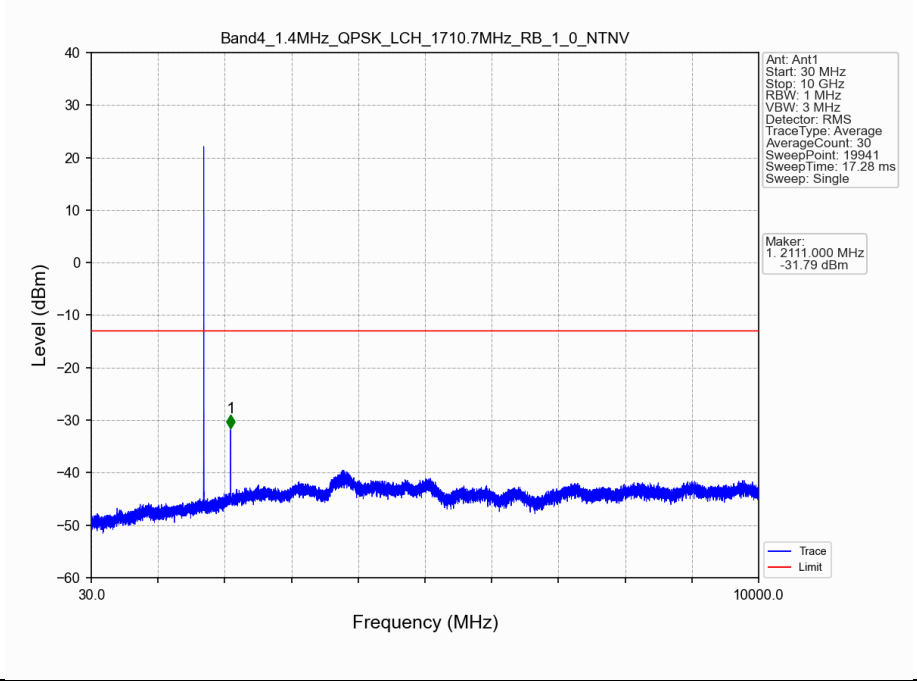
5.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

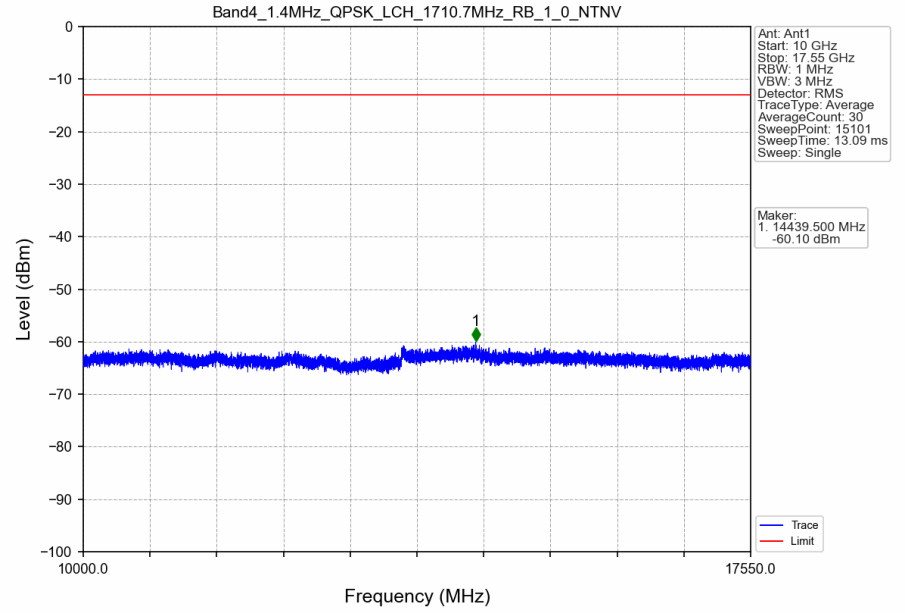


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.505	-57.63	-13	Pass
1709	1710	0.003	/	2	1709.995	-29.91	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

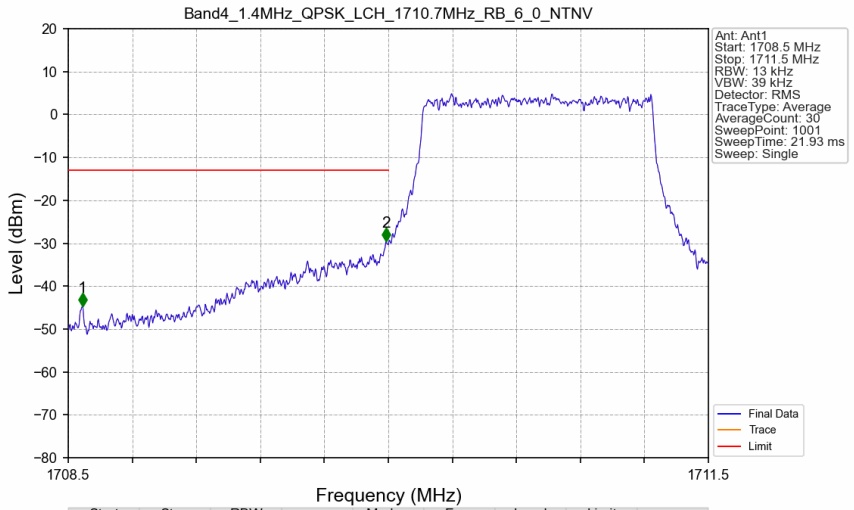
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

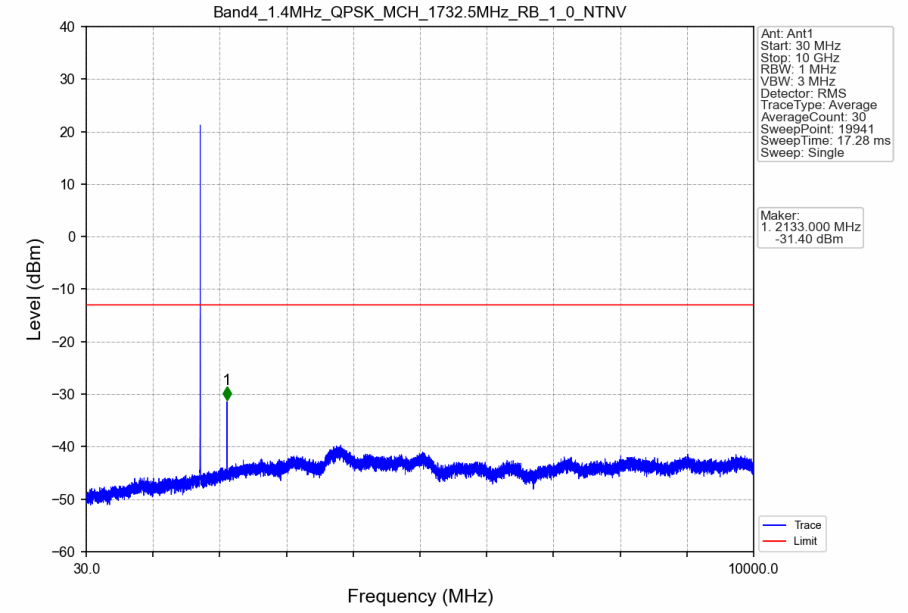


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.566	-44.79	-13	Pass
1709	1710	0.013	/	2	1709.991	-29.63	-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