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	22.02	3.00	25.02	<=30	Pass
			2	22.14	3.00	25.14	<=30	Pass
			5	22.03	3.00	25.03	<=30	Pass
		3	0	22.11	3.00	25.11	<=30	Pass
			2	22.14	3.00	25.14	<=30	Pass
			3	22.15	3.00	25.15	<=30	Pass
		6	0	21.05	3.00	24.05	<=30	Pass
	1732.5	1	0	22.31	3.00	25.31	<=30	Pass
			2	22.41	3.00	25.41	<=30	Pass
			5	22.26	3.00	25.26	<=30	Pass
		3	0	22.44	3.00	25.44	<=30	Pass
			2	22.51	3.00	25.51	<=30	Pass
			3	22.41	3.00	25.41	<=30	Pass
		6	0	21.37	3.00	24.37	<=30	Pass
	1754.3	1	0	22.33	3.00	25.33	<=30	Pass
			2	22.42	3.00	25.42	<=30	Pass
			5	22.31	3.00	25.31	<=30	Pass
		3	0	22.48	3.00	25.48	<=30	Pass
			2	22.49	3.00	25.49	<=30	Pass
			3	22.45	3.00	25.45	<=30	Pass
		6	0	21.44	3.00	24.44	<=30	Pass
16QAM	1710.7	1	0	21.01	3.00	24.01	<=30	Pass
			2	21.12	3.00	24.12	<=30	Pass
			5	21.10	3.00	24.10	<=30	Pass
		3	0	21.18	3.00	24.18	<=30	Pass
			2	21.20	3.00	24.20	<=30	Pass
			3	21.19	3.00	24.19	<=30	Pass
		6	0	20.03	3.00	23.03	<=30	Pass
	1732.5	1	0	21.48	3.00	24.48	<=30	Pass
			2	21.60	3.00	24.60	<=30	Pass
			5	21.43	3.00	24.43	<=30	Pass
		3	0	21.42	3.00	24.42	<=30	Pass
			2	21.45	3.00	24.45	<=30	Pass
			3	21.44	3.00	24.44	<=30	Pass
		6	0	20.44	3.00	23.44	<=30	Pass
	1754.3	1	0	21.34	3.00	24.34	<=30	Pass
			2	21.46	3.00	24.46	<=30	Pass
			5	21.32	3.00	24.32	<=30	Pass
		3	0	21.65	3.00	24.65	<=30	Pass
			2	21.70	3.00	24.70	<=30	Pass
			3	21.67	3.00	24.67	<=30	Pass
		6	0	20.41	3.00	23.41	<=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	22.05	3.00	25.05	<=30	Pass
			7	22.24	3.00	25.24	<=30	Pass
			14	22.09	3.00	25.09	<=30	Pass
		8	0	21.06	3.00	24.06	<=30	Pass
			4	21.11	3.00	24.11	<=30	Pass
			7	21.05	3.00	24.05	<=30	Pass
		15	0	21.09	3.00	24.09	<=30	Pass
	1732.5	1	0	22.43	3.00	25.43	<=30	Pass
			7	22.55	3.00	25.55	<=30	Pass
			14	22.37	3.00	25.37	<=30	Pass
		8	0	21.39	3.00	24.39	<=30	Pass
			4	21.41	3.00	24.41	<=30	Pass
			7	21.37	3.00	24.37	<=30	Pass
		15	0	21.38	3.00	24.38	<=30	Pass
	1753.5	1	0	22.35	3.00	25.35	<=30	Pass
			7	22.55	3.00	25.55	<=30	Pass
			14	22.34	3.00	25.34	<=30	Pass
		8	0	21.46	3.00	24.46	<=30	Pass
			4	21.43	3.00	24.43	<=30	Pass
			7	21.37	3.00	24.37	<=30	Pass
		15	0	21.39	3.00	24.39	<=30	Pass
16QAM	1711.5	1	0	21.62	3.00	24.62	<=30	Pass
			7	21.81	3.00	24.81	<=30	Pass
			14	21.65	3.00	24.65	<=30	Pass
		8	0	20.27	3.00	23.27	<=30	Pass
			4	20.35	3.00	23.35	<=30	Pass
			7	20.31	3.00	23.31	<=30	Pass
		15	0	20.22	3.00	23.22	<=30	Pass
	1732.5	1	0	21.44	3.00	24.44	<=30	Pass
			7	21.55	3.00	24.55	<=30	Pass
			14	21.34	3.00	24.34	<=30	Pass
		8	0	20.49	3.00	23.49	<=30	Pass
			4	20.53	3.00	23.53	<=30	Pass
			7	20.49	3.00	23.49	<=30	Pass
		15	0	20.49	3.00	23.49	<=30	Pass
	1753.5	1	0	21.56	3.00	24.56	<=30	Pass
			7	21.74	3.00	24.74	<=30	Pass
			14	21.53	3.00	24.53	<=30	Pass
		8	0	20.49	3.00	23.49	<=30	Pass
			4	20.46	3.00	23.46	<=30	Pass
			7	20.37	3.00	23.37	<=30	Pass
		15	0	20.40	3.00	23.40	<=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	21.98	3.00	24.98	<=30	Pass
			13	22.20	3.00	25.20	<=30	Pass
			24	22.09	3.00	25.09	<=30	Pass
		12	0	21.18	3.00	24.18	<=30	Pass
			6	21.18	3.00	24.18	<=30	Pass
			13	21.07	3.00	24.07	<=30	Pass
		25	0	21.10	3.00	24.10	<=30	Pass
	1732.5	1	0	22.31	3.00	25.31	<=30	Pass
			13	22.44	3.00	25.44	<=30	Pass
			24	22.30	3.00	25.30	<=30	Pass
		12	0	21.33	3.00	24.33	<=30	Pass
			6	21.44	3.00	24.44	<=30	Pass
			13	21.38	3.00	24.38	<=30	Pass
		25	0	21.35	3.00	24.35	<=30	Pass
	1752.5	1	0	22.29	3.00	25.29	<=30	Pass
			13	22.44	3.00	25.44	<=30	Pass
			24	22.31	3.00	25.31	<=30	Pass
		12	0	21.47	3.00	24.47	<=30	Pass
			6	21.47	3.00	24.47	<=30	Pass
			13	21.28	3.00	24.28	<=30	Pass
		25	0	21.40	3.00	24.40	<=30	Pass
16QAM	1712.5	1	0	20.88	3.00	23.88	<=30	Pass
			13	21.07	3.00	24.07	<=30	Pass
			24	20.99	3.00	23.99	<=30	Pass
		12	0	20.20	3.00	23.20	<=30	Pass
			6	20.24	3.00	23.24	<=30	Pass
			13	20.17	3.00	23.17	<=30	Pass
		25	0	20.19	3.00	23.19	<=30	Pass
	1732.5	1	0	21.41	3.00	24.41	<=30	Pass
			13	21.52	3.00	24.52	<=30	Pass
			24	21.36	3.00	24.36	<=30	Pass
		12	0	20.36	3.00	23.36	<=30	Pass
			6	20.46	3.00	23.46	<=30	Pass
			13	20.47	3.00	23.47	<=30	Pass
		25	0	20.44	3.00	23.44	<=30	Pass
	1752.5	1	0	21.59	3.00	24.59	<=30	Pass
			13	21.74	3.00	24.74	<=30	Pass
			24	21.58	3.00	24.58	<=30	Pass
		12	0	20.53	3.00	23.53	<=30	Pass
			6	20.55	3.00	23.55	<=30	Pass
			13	20.33	3.00	23.33	<=30	Pass
		25	0	20.44	3.00	23.44	<=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	22.15	3.00	25.15	<=30	Pass
			25	22.37	3.00	25.37	<=30	Pass
			49	22.21	3.00	25.21	<=30	Pass
		25	0	21.29	3.00	24.29	<=30	Pass
			13	21.24	3.00	24.24	<=30	Pass
			25	21.17	3.00	24.17	<=30	Pass
		50	0	21.31	3.00	24.31	<=30	Pass
	1732.5	1	0	22.38	3.00	25.38	<=30	Pass
			25	22.54	3.00	25.54	<=30	Pass
			49	22.32	3.00	25.32	<=30	Pass
		25	0	21.39	3.00	24.39	<=30	Pass
			13	21.43	3.00	24.43	<=30	Pass
			25	21.49	3.00	24.49	<=30	Pass
		50	0	21.49	3.00	24.49	<=30	Pass
	1750	1	0	22.32	3.00	25.32	<=30	Pass
			25	22.51	3.00	25.51	<=30	Pass
			49	22.37	3.00	25.37	<=30	Pass
		25	0	21.59	3.00	24.59	<=30	Pass
			13	21.43	3.00	24.43	<=30	Pass
			25	21.30	3.00	24.30	<=30	Pass
		50	0	21.46	3.00	24.46	<=30	Pass
16QAM	1715	1	0	21.14	3.00	24.14	<=30	Pass
			25	21.37	3.00	24.37	<=30	Pass
			49	21.24	3.00	24.24	<=30	Pass
		25	0	20.47	3.00	23.47	<=30	Pass
			13	20.41	3.00	23.41	<=30	Pass
			25	20.34	3.00	23.34	<=30	Pass
		50	0	20.38	3.00	23.38	<=30	Pass
	1732.5	1	0	21.55	3.00	24.55	<=30	Pass
			25	21.68	3.00	24.68	<=30	Pass
			49	21.53	3.00	24.53	<=30	Pass
		25	0	20.49	3.00	23.49	<=30	Pass
			13	20.56	3.00	23.56	<=30	Pass
			25	20.60	3.00	23.60	<=30	Pass
		50	0	20.58	3.00	23.58	<=30	Pass
	1750	1	0	21.91	3.00	24.91	<=30	Pass
			25	22.13	3.00	25.13	<=30	Pass
			49	21.94	3.00	24.94	<=30	Pass
		25	0	20.70	3.00	23.70	<=30	Pass
			13	20.49	3.00	23.49	<=30	Pass
			25	20.42	3.00	23.42	<=30	Pass
		50	0	20.48	3.00	23.48	<=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	22.04	3.00	25.04	<=30	Pass
			38	22.27	3.00	25.27	<=30	Pass
			74	22.22	3.00	25.22	<=30	Pass
		36	0	21.30	3.00	24.30	<=30	Pass
			18	21.34	3.00	24.34	<=30	Pass
			39	21.36	3.00	24.36	<=30	Pass
		75	0	21.36	3.00	24.36	<=30	Pass
	1732.5	1	0	22.28	3.00	25.28	<=30	Pass
			38	22.45	3.00	25.45	<=30	Pass
			74	22.23	3.00	25.23	<=30	Pass
		36	0	21.40	3.00	24.40	<=30	Pass
			18	21.49	3.00	24.49	<=30	Pass
			39	21.59	3.00	24.59	<=30	Pass
		75	0	21.51	3.00	24.51	<=30	Pass
	1747.5	1	0	22.31	3.00	25.31	<=30	Pass
			38	22.41	3.00	25.41	<=30	Pass
			74	22.27	3.00	25.27	<=30	Pass
		36	0	21.54	3.00	24.54	<=30	Pass
			18	21.48	3.00	24.48	<=30	Pass
			39	21.37	3.00	24.37	<=30	Pass
		75	0	21.38	3.00	24.38	<=30	Pass
16QAM	1717.5	1	0	21.44	3.00	24.44	<=30	Pass
			38	21.65	3.00	24.65	<=30	Pass
			74	21.61	3.00	24.61	<=30	Pass
		36	0	20.34	3.00	23.34	<=30	Pass
			18	20.35	3.00	23.35	<=30	Pass
			39	20.34	3.00	23.34	<=30	Pass
		75	0	20.39	3.00	23.39	<=30	Pass
	1732.5	1	0	21.52	3.00	24.52	<=30	Pass
			38	21.44	3.00	24.44	<=30	Pass
			74	21.42	3.00	24.42	<=30	Pass
		36	0	20.41	3.00	23.41	<=30	Pass
			18	20.51	3.00	23.51	<=30	Pass
			39	20.59	3.00	23.59	<=30	Pass
		75	0	20.53	3.00	23.53	<=30	Pass
	1747.5	1	0	21.91	3.00	24.91	<=30	Pass
			38	22.02	3.00	25.02	<=30	Pass
			74	21.86	3.00	24.86	<=30	Pass
		36	0	20.51	3.00	23.51	<=30	Pass
			18	20.49	3.00	23.49	<=30	Pass
			39	20.36	3.00	23.36	<=30	Pass
		75	0	20.45	3.00	23.45	<=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	21.88	3.00	24.88	<=30	Pass
			50	22.38	3.00	25.38	<=30	Pass
			99	22.12	3.00	25.12	<=30	Pass
		50	0	21.38	3.00	24.38	<=30	Pass
			25	21.33	3.00	24.33	<=30	Pass
			50	21.33	3.00	24.33	<=30	Pass
		100	0	21.42	3.00	24.42	<=30	Pass
	1732.5	1	0	22.13	3.00	25.13	<=30	Pass
			50	22.35	3.00	25.35	<=30	Pass
			99	21.95	3.00	24.95	<=30	Pass
		50	0	21.26	3.00	24.26	<=30	Pass
			25	21.38	3.00	24.38	<=30	Pass
			50	21.51	3.00	24.51	<=30	Pass
		100	0	21.48	3.00	24.48	<=30	Pass
	1745	1	0	22.14	3.00	25.14	<=30	Pass
			50	22.55	3.00	25.55	<=30	Pass
			99	22.13	3.00	25.13	<=30	Pass
		50	0	21.25	3.00	24.25	<=30	Pass
			25	21.34	3.00	24.34	<=30	Pass
			50	21.13	3.00	24.13	<=30	Pass
		100	0	21.22	3.00	24.22	<=30	Pass
16QAM	1720	1	0	21.45	3.00	24.45	<=30	Pass
			50	21.90	3.00	24.90	<=30	Pass
			99	21.62	3.00	24.62	<=30	Pass
		50	0	20.44	3.00	23.44	<=30	Pass
			25	20.40	3.00	23.40	<=30	Pass
			50	20.38	3.00	23.38	<=30	Pass
		100	0	20.45	3.00	23.45	<=30	Pass
	1732.5	1	0	21.23	3.00	24.23	<=30	Pass
			50	21.55	3.00	24.55	<=30	Pass
			99	21.16	3.00	24.16	<=30	Pass
		50	0	20.35	3.00	23.35	<=30	Pass
			25	20.53	3.00	23.53	<=30	Pass
			50	20.64	3.00	23.64	<=30	Pass
		100	0	20.52	3.00	23.52	<=30	Pass
	1745	1	0	21.41	3.00	24.41	<=30	Pass
			50	21.78	3.00	24.78	<=30	Pass
			99	21.44	3.00	24.44	<=30	Pass
		50	0	20.30	3.00	23.30	<=30	Pass
			25	20.38	3.00	23.38	<=30	Pass
			50	20.15	3.00	23.15	<=30	Pass
		100	0	20.27	3.00	23.27	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

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	-6.781	-0.0040	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
					4.43	3.648	0.0021	-2.5 to 2.5	Pass
				-30	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				30	3.85	3.304	0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	3.633	0.0021	-2.5 to 2.5	Pass
					3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.018	0.0017	-2.5 to 2.5	Pass
				0	3.85	3.748	0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	-9.284	-0.0053	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-9.327	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-24.333	-0.0139	-2.5 to 2.5	Pass
				50	3.85	-8.454	-0.0048	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	2.632	0.0015	-2.5 to 2.5	Pass
					3.85	-18.554	-0.0108	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.503	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-6.323	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-3.691	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-7.124	-0.0041	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass

				0	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-7.324	-0.0042	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.891	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-9.212	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.994	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-8.268	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-5.865	-0.0033	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

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	-11.473	-0.0067	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0029	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	5.050	0.0030	-2.5 to 2.5	Pass
				10	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.887	-0.0005	-2.5 to 2.5	Pass
					3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
					4.43	-7.138	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-10.715	-0.0062	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.815	0.0005	-2.5 to 2.5	Pass
					3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
					4.43	-6.309	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-14.920	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-6.523	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-7.210	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-6.795	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-4.520	-0.0026	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.292	-0.0025	-2.5 to 2.5	Pass

				-30	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-10.185	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-8.841	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-8.039	-0.0047	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-9.370	-0.0054	-2.5 to 2.5	Pass
					3.85	-9.012	-0.0052	-2.5 to 2.5	Pass
					4.43	-10.285	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.982	-0.0046	-2.5 to 2.5	Pass
					3.85	-8.955	-0.0051	-2.5 to 2.5	Pass
					4.43	-9.627	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-7.439	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-10.328	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-6.223	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-11.802	-0.0067	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

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	-10.114	-0.0059	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.852	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				10	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-4.935	-0.0029	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.835	-0.0028	-2.5 to 2.5	Pass
					3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-9.098	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-7.524	-0.0043	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	-3.133	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.645	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-9.785	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-7.067	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-8.655	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-6.523	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-7.553	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	0.358	0.0002	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.410	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				0	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-10.257	-0.0059	-2.5 to 2.5	Pass
					3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
					4.43	-4.849	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-13.390	-0.0076	-2.5 to 2.5	Pass
					3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
					4.43	-8.597	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-9.027	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-10.972	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-12.088	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-9.284	-0.0053	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

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	-6.580	-0.0038	-2.5 to 2.5	Pass
					3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.363	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass

				30	3.85	-8.998	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-7.353	-0.0042	-2.5 to 2.5	Pass
					3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-8.912	-0.0051	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-7.024	-0.0040	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0028	-2.5 to 2.5	Pass
					4.43	-9.413	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-10.214	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.426	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-4.206	-0.0025	-2.5 to 2.5	Pass
					3.85	-7.839	-0.0046	-2.5 to 2.5	Pass
					4.43	-8.383	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-8.755	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-5.236	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-9.799	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-6.065	-0.0035	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.43	-4.835	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-6.824	-0.0039	-2.5 to 2.5	Pass
					3.85	-8.097	-0.0046	-2.5 to 2.5	Pass
					4.43	-11.373	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-7.725	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-10.142	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-8.125	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

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	-12.488	-0.0073	-2.5 to 2.5	Pass
					3.85	-9.041	-0.0053	-2.5 to 2.5	Pass
					4.43	-7.367	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.689	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
					4.43	-4.435	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.921	-0.0028	-2.5 to 2.5	Pass
					3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.466	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-8.383	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-2.732	-0.0016	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-7.153	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-5.436	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-3.576	-0.0021	-2.5 to 2.5	Pass
					3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.27	-4.034	-0.0023	-2.5 to 2.5	Pass
					3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
					4.43	-8.941	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-7.310	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass

2.1.6 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	3.27	-7.124	-0.0041	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.339	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-7.153	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-8.841	-0.0051	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-5.879	-0.0034	-2.5 to 2.5	Pass
					3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
					4.43	-4.134	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.303	-0.0013	-2.5 to 2.5	Pass
					3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.309	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.033	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-7.195	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-4.978	-0.0029	-2.5 to 2.5	Pass
					3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
					4.43	-3.834	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass

				30	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-8.211	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-6.995	-0.0040	-2.5 to 2.5	Pass
					3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.879	-0.0034	-2.5 to 2.5	Pass
					3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-4.077	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-4.449	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.636	-0.0032	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
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

3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
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

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
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

3.1.5 B4_15MHz

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

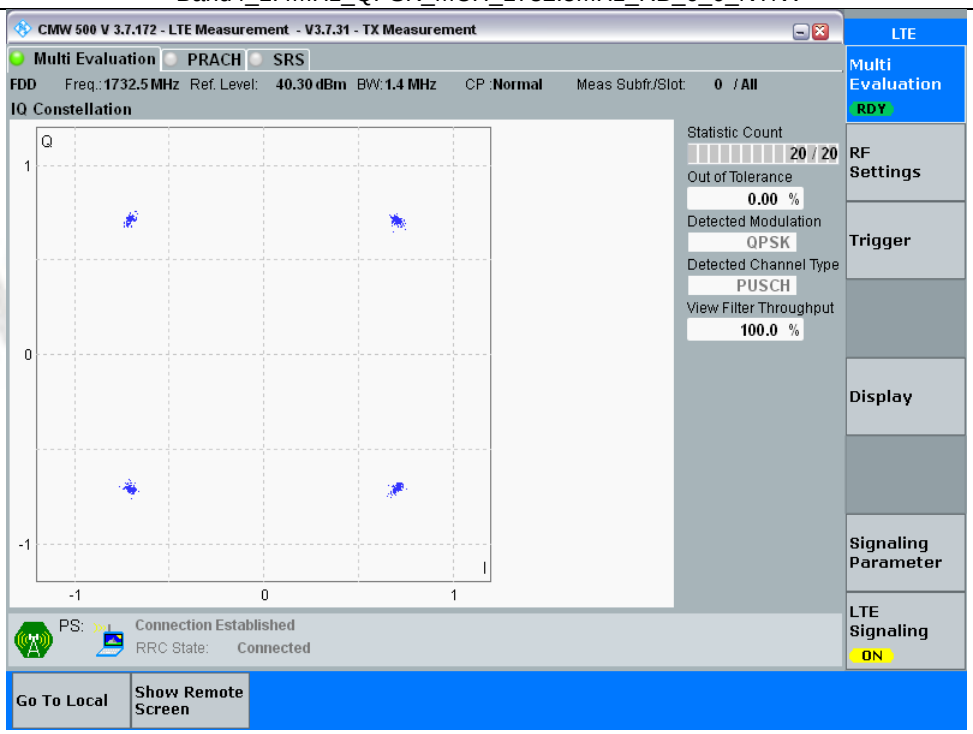
3.1.6 B4_20MHz

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

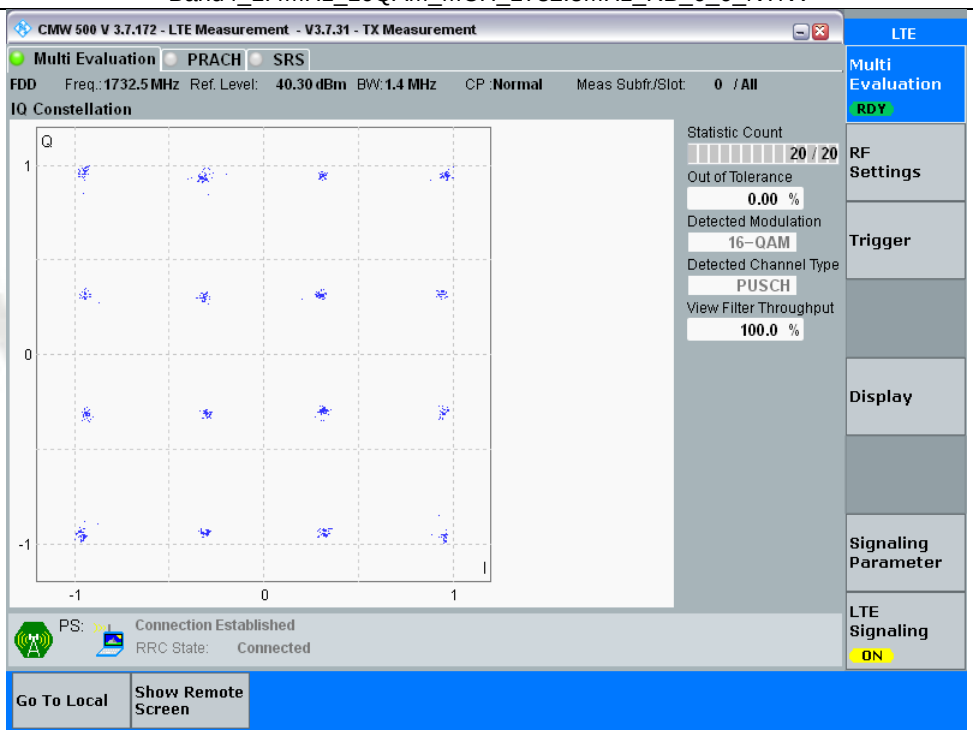
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

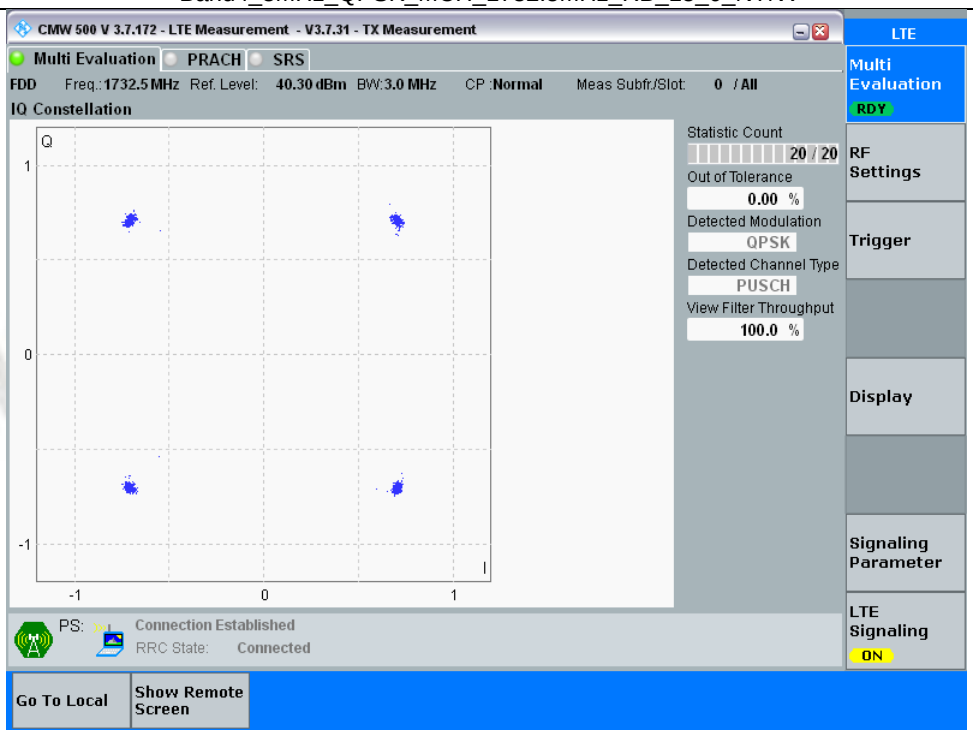


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

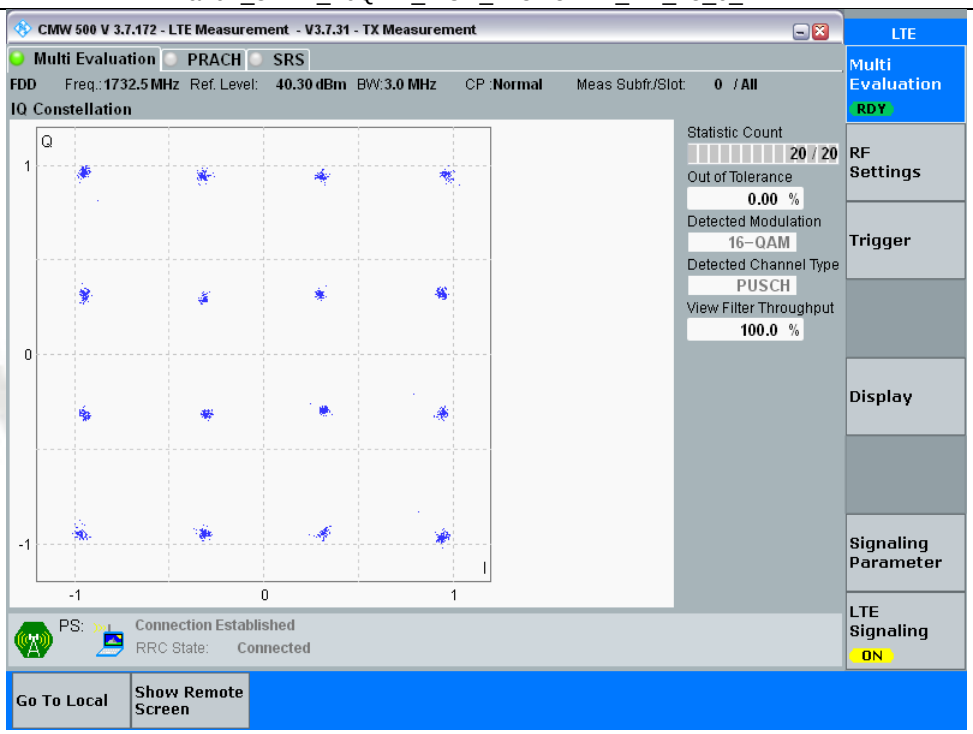


3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

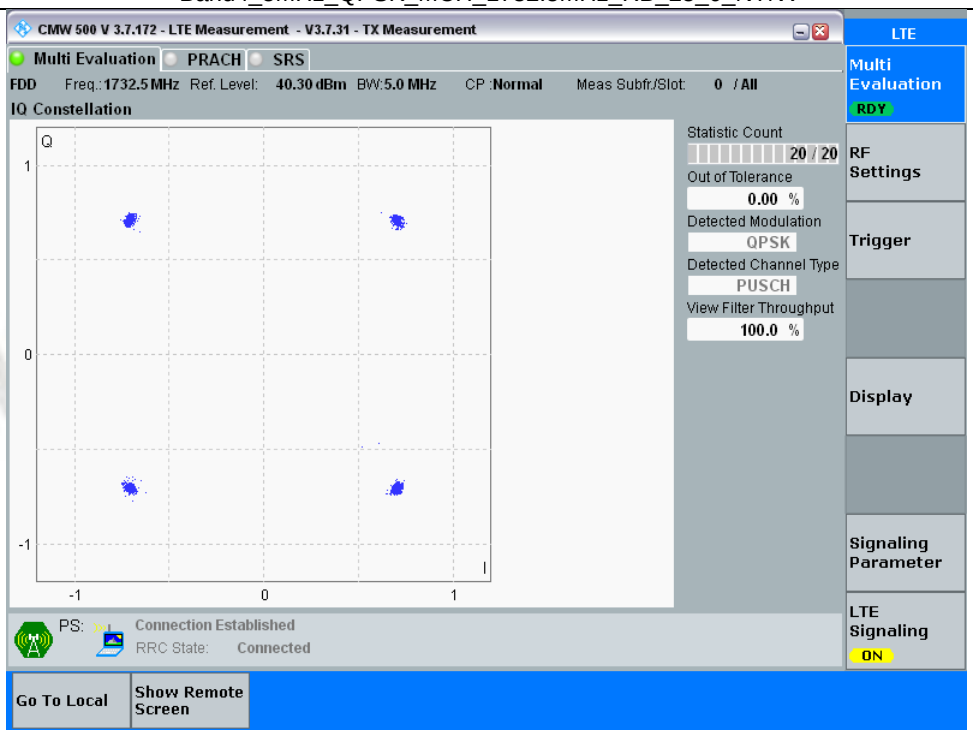


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

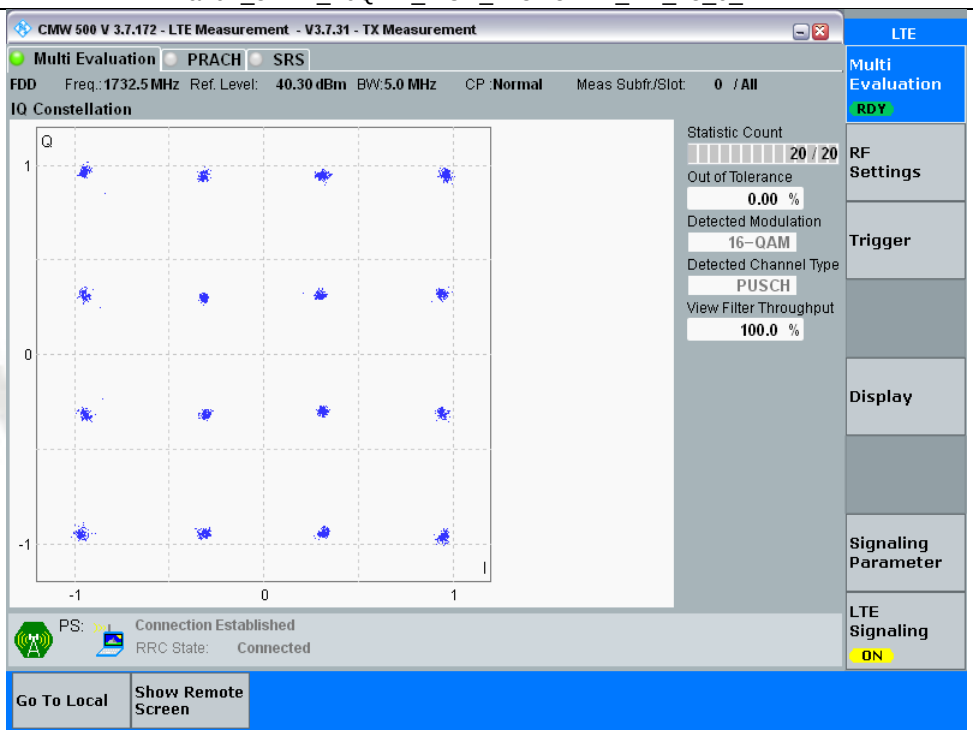


3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

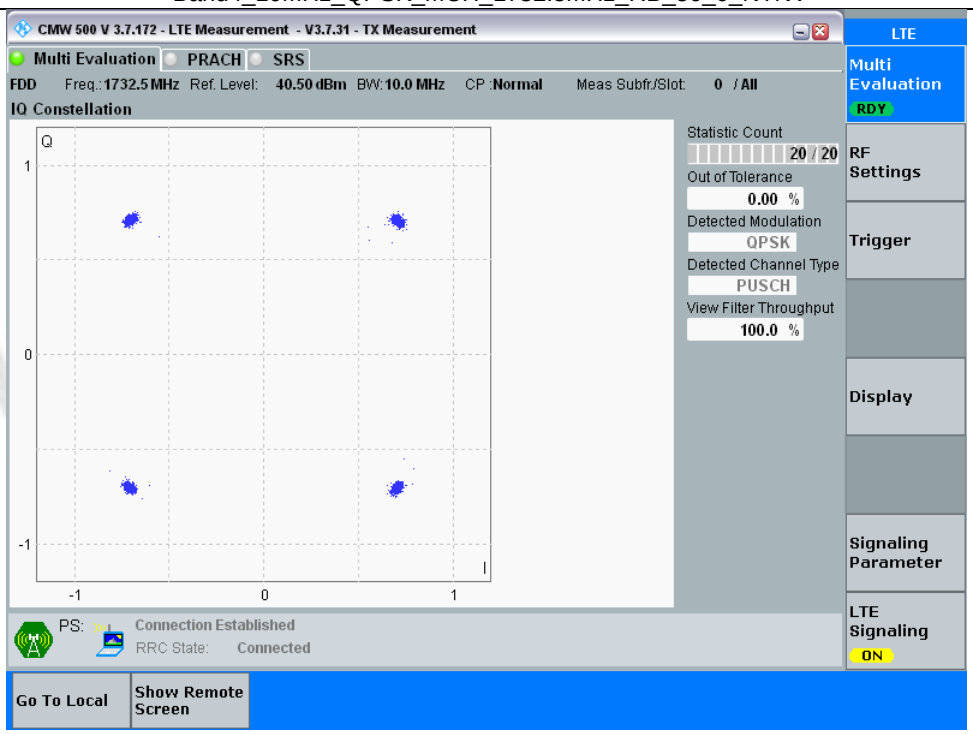


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

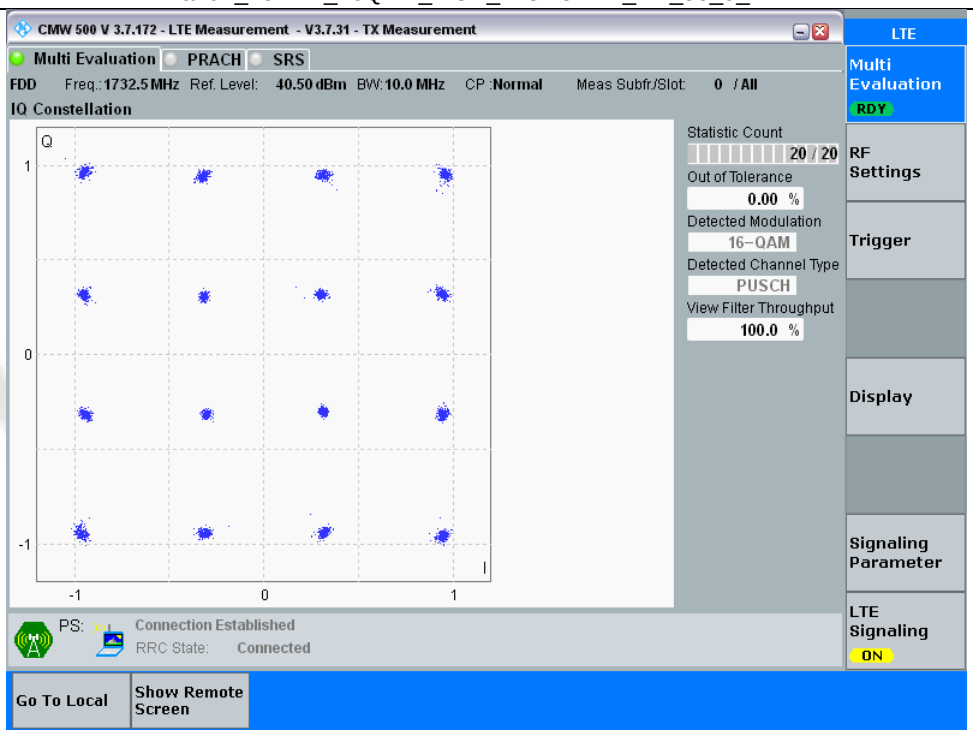


3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

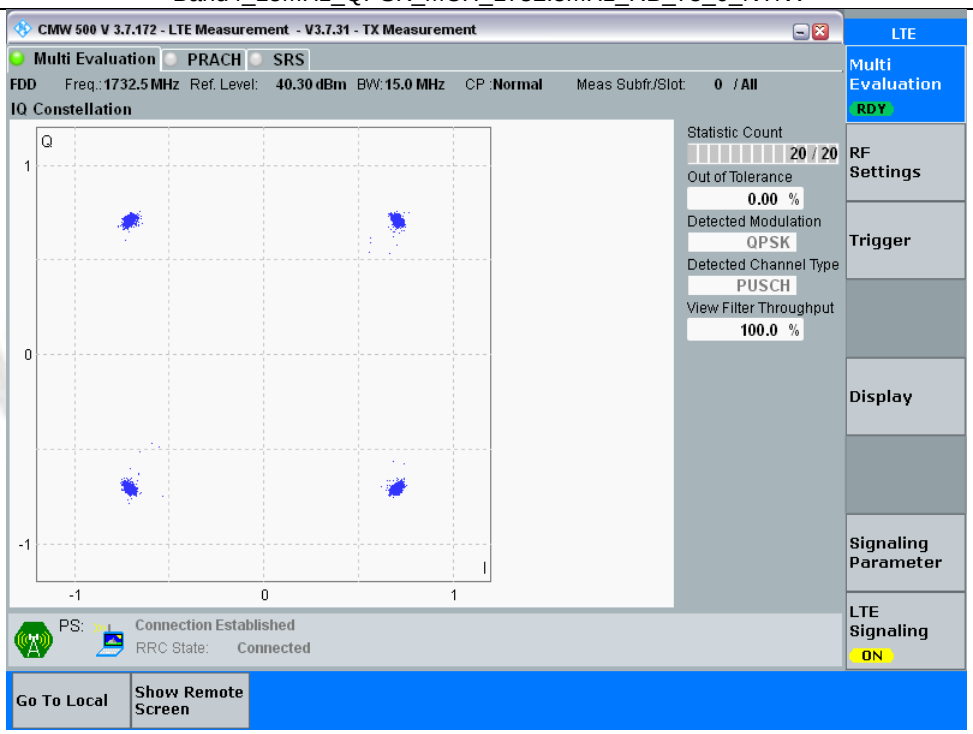


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

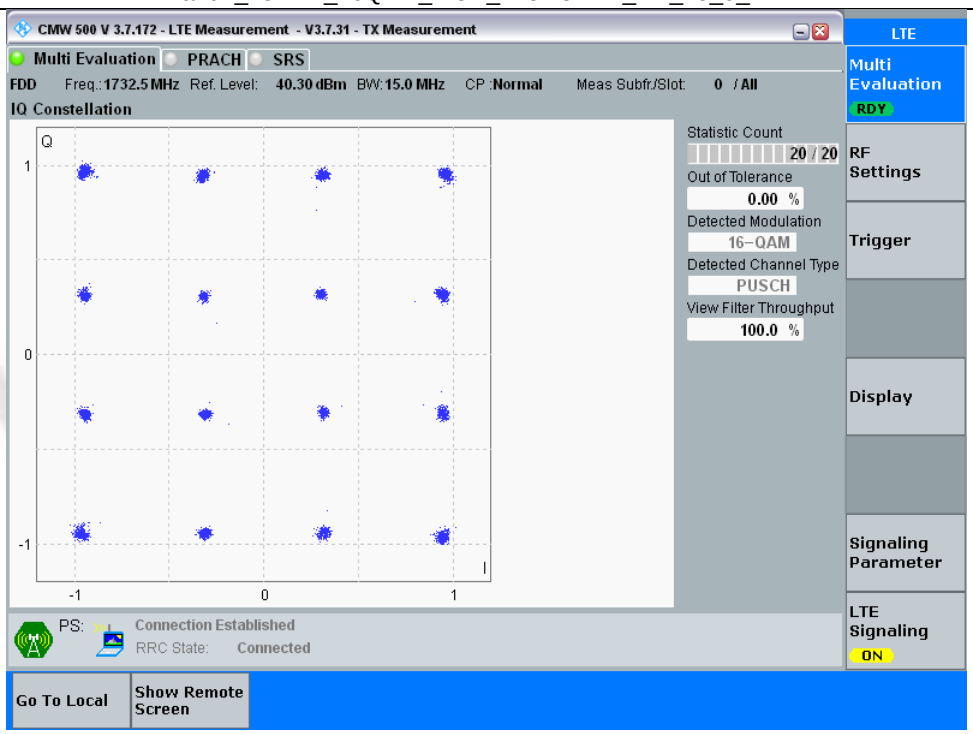


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

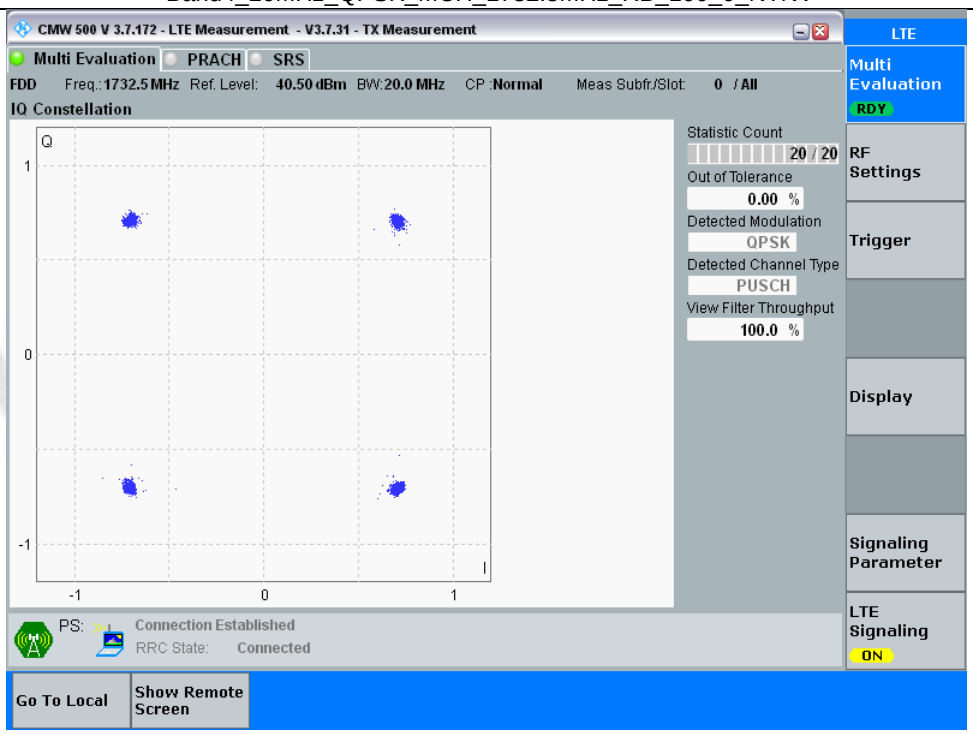


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

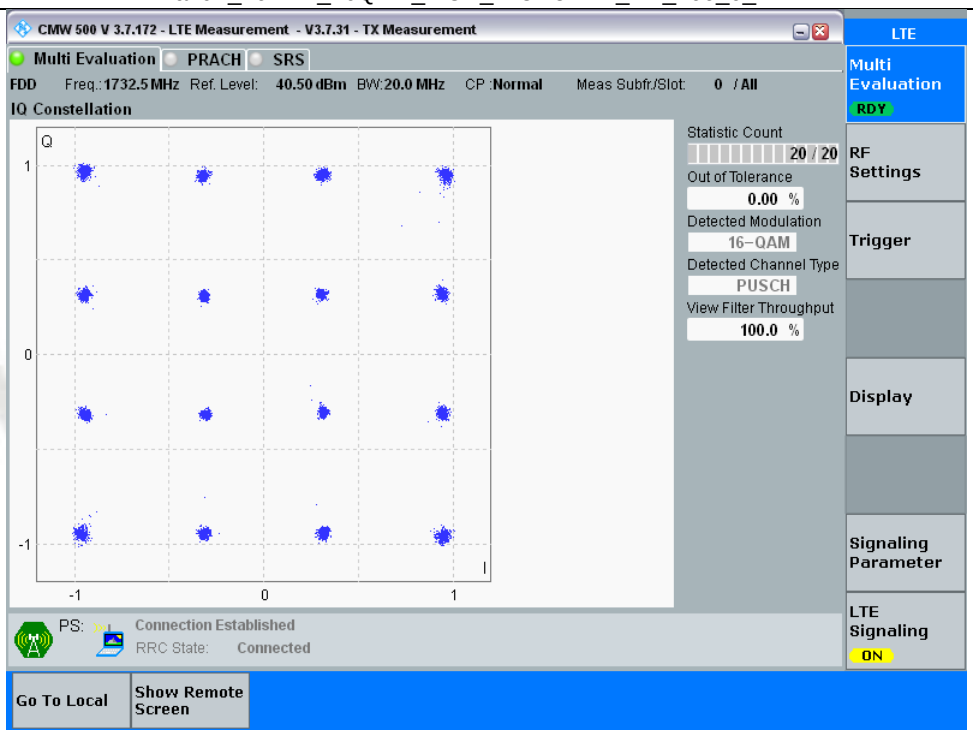


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 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	1.122	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.106	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.114	/	Pass
3	QPSK	1711.5	15	0	2.729	/	Pass
		1732.5	15	0	2.728	/	Pass
		1753.5	15	0	2.722	/	Pass
	16QAM	1711.5	15	0	2.721	/	Pass
		1732.5	15	0	2.730	/	Pass
		1753.5	15	0	2.719	/	Pass
5	QPSK	1712.5	25	0	4.535	/	Pass
		1732.5	25	0	4.535	/	Pass
		1752.5	25	0	4.558	/	Pass
	16QAM	1712.5	25	0	4.545	/	Pass
		1732.5	25	0	4.558	/	Pass
		1752.5	25	0	4.522	/	Pass
10	QPSK	1715	50	0	9.044	/	Pass
		1732.5	50	0	9.065	/	Pass
		1750	50	0	9.019	/	Pass
	16QAM	1715	50	0	9.055	/	Pass
		1732.5	50	0	9.088	/	Pass
		1750	50	0	9.042	/	Pass
15	QPSK	1717.5	75	0	13.588	/	Pass
		1732.5	75	0	13.602	/	Pass
		1747.5	75	0	13.548	/	Pass
	16QAM	1717.5	75	0	13.597	/	Pass
		1732.5	75	0	13.612	/	Pass
		1747.5	75	0	13.567	/	Pass
20	QPSK	1720	100	0	18.110	/	Pass
		1732.5	100	0	18.090	/	Pass
		1745	100	0	17.987	/	Pass
	16QAM	1720	100	0	18.143	/	Pass
		1732.5	100	0	18.116	/	Pass
		1745	100	0	18.053	/	Pass

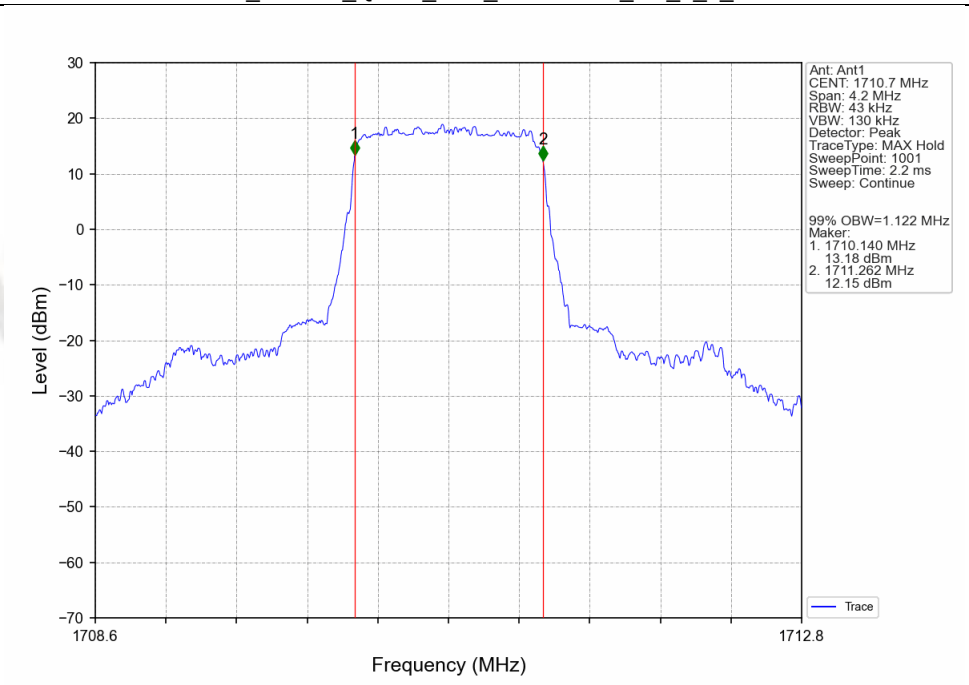
4.1.2 Band4_XDB

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	1.304	/	Pass
		1732.5	6	0	1.334	/	Pass
		1754.3	6	0	1.317	/	Pass
	16QAM	1710.7	6	0	1.316	/	Pass
		1732.5	6	0	1.322	/	Pass
		1754.3	6	0	1.325	/	Pass
3	QPSK	1711.5	15	0	2.984	/	Pass
		1732.5	15	0	2.980	/	Pass
		1753.5	15	0	3.011	/	Pass
	16QAM	1711.5	15	0	3.004	/	Pass
		1732.5	15	0	2.994	/	Pass
		1753.5	15	0	3.015	/	Pass
5	QPSK	1712.5	25	0	5.096	/	Pass
		1732.5	25	0	5.002	/	Pass
		1752.5	25	0	5.020	/	Pass
	16QAM	1712.5	25	0	5.040	/	Pass
		1732.5	25	0	4.997	/	Pass
		1752.5	25	0	4.998	/	Pass
10	QPSK	1715	50	0	10.690	/	Pass
		1732.5	50	0	10.029	/	Pass
		1750	50	0	9.862	/	Pass
	16QAM	1715	50	0	10.098	/	Pass
		1732.5	50	0	9.937	/	Pass
		1750	50	0	9.902	/	Pass
15	QPSK	1717.5	75	0	14.840	/	Pass
		1732.5	75	0	15.916	/	Pass
		1747.5	75	0	14.887	/	Pass
	16QAM	1717.5	75	0	14.831	/	Pass
		1732.5	75	0	14.933	/	Pass
		1747.5	75	0	14.788	/	Pass
20	QPSK	1720	100	0	19.764	/	Pass
		1732.5	100	0	19.732	/	Pass
		1745	100	0	19.622	/	Pass
	16QAM	1720	100	0	19.694	/	Pass
		1732.5	100	0	19.719	/	Pass
		1745	100	0	19.563	/	Pass

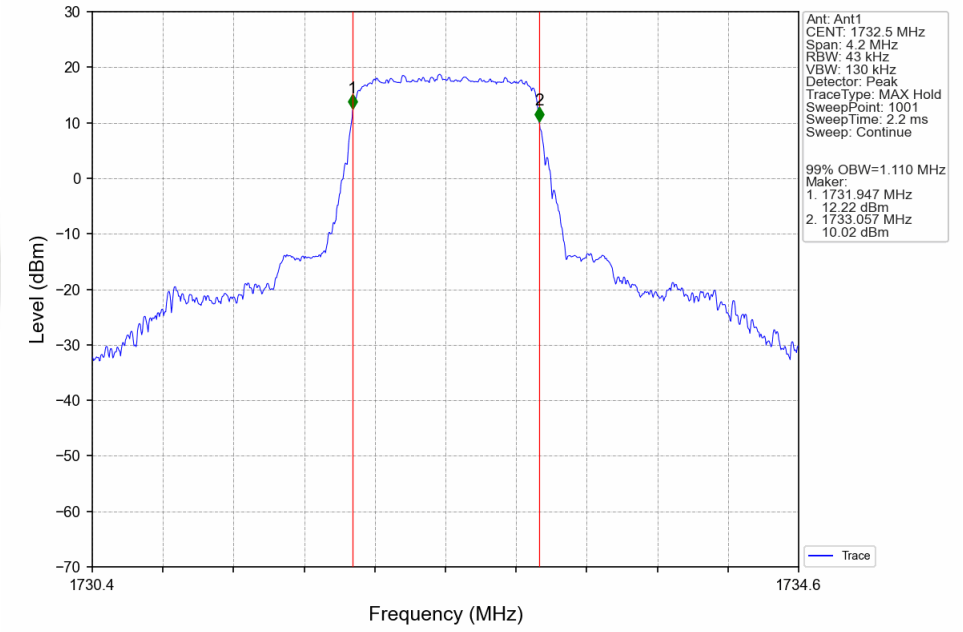
4.2 Test Graph

4.2.1 Band4_OBW

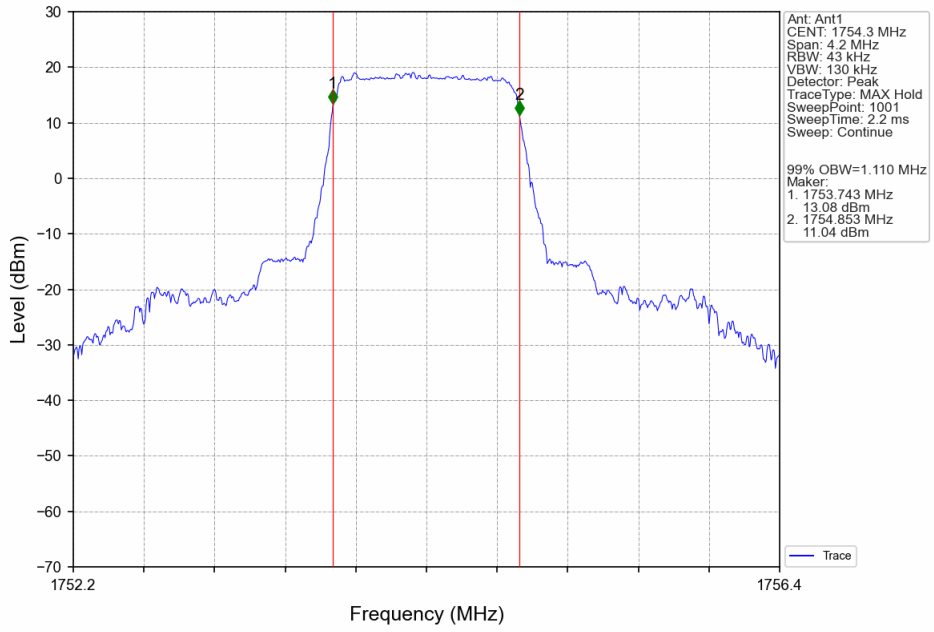
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



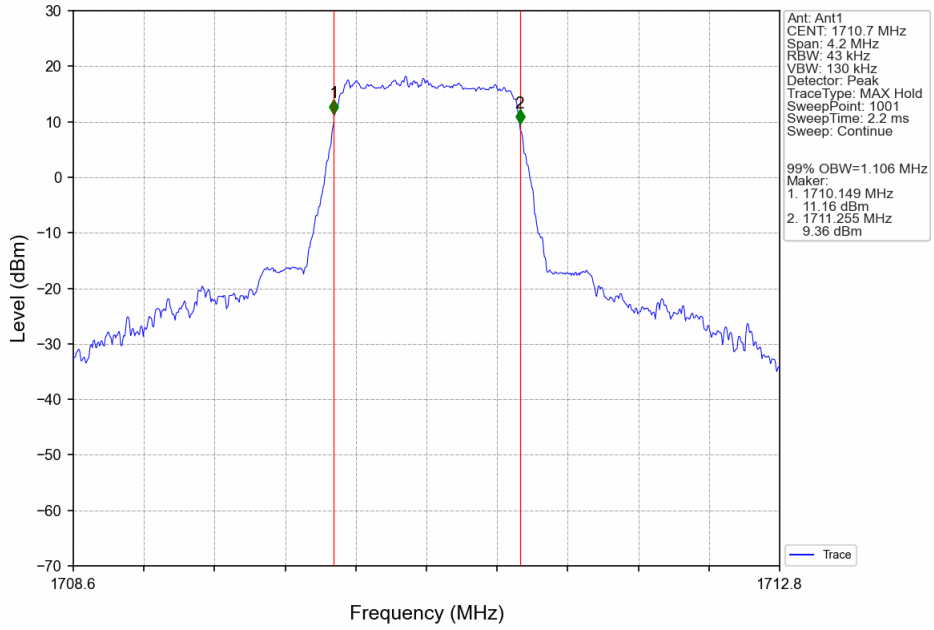
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



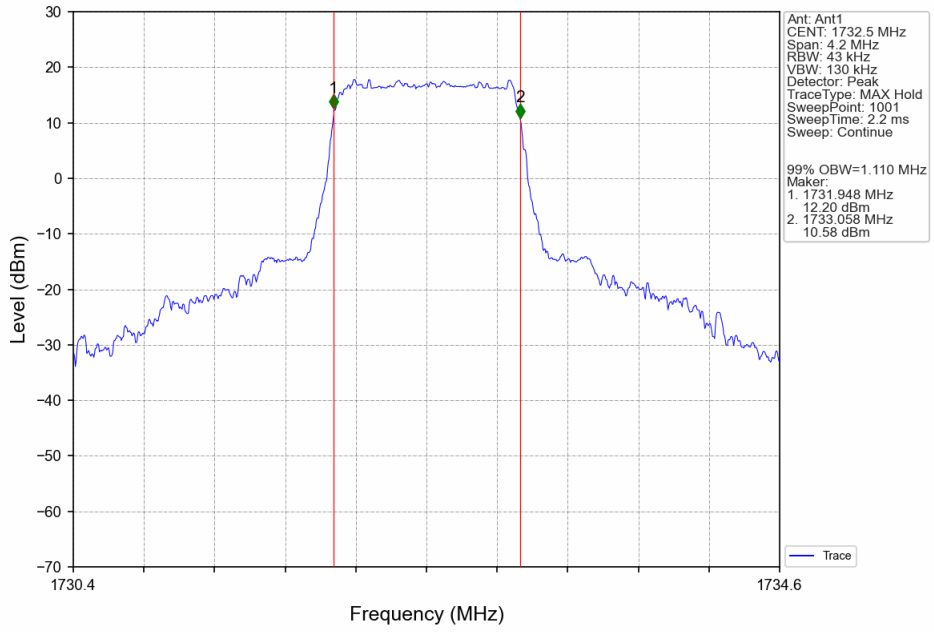
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



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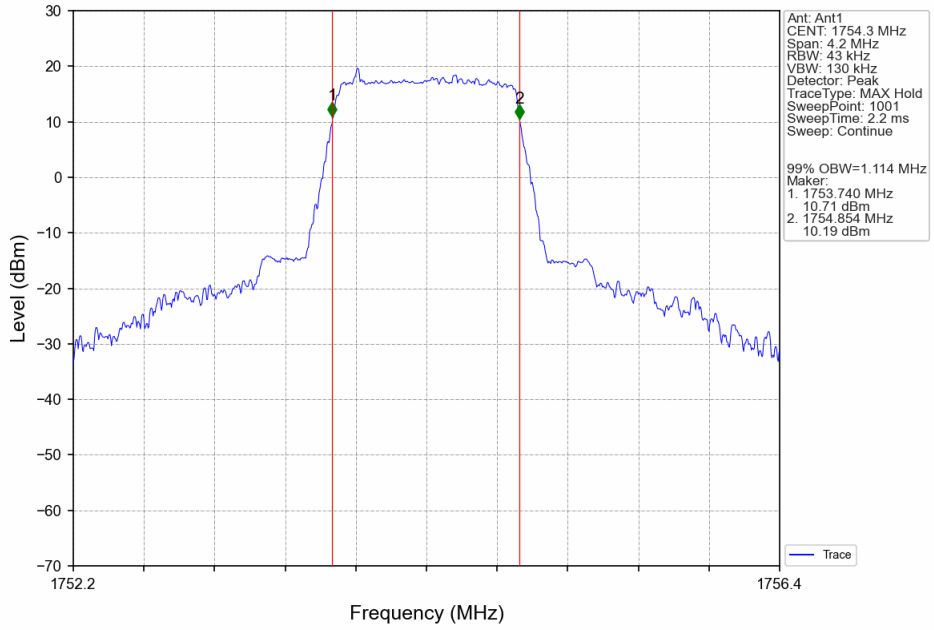
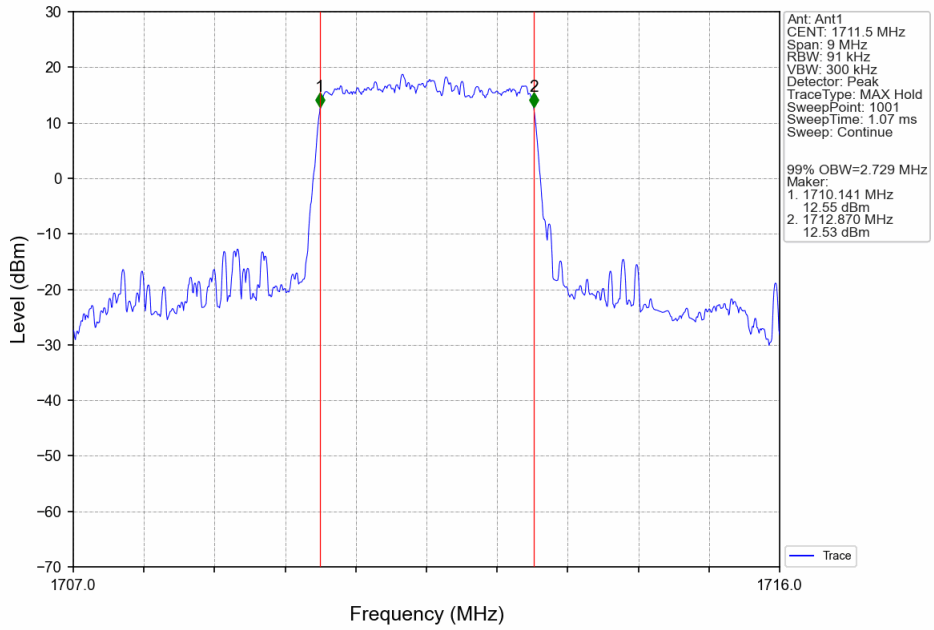


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



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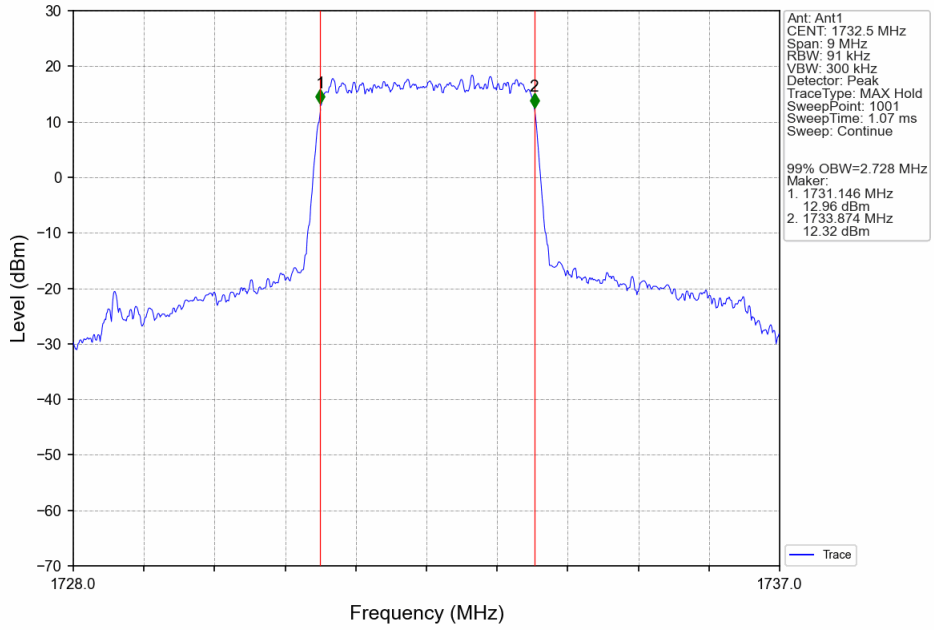
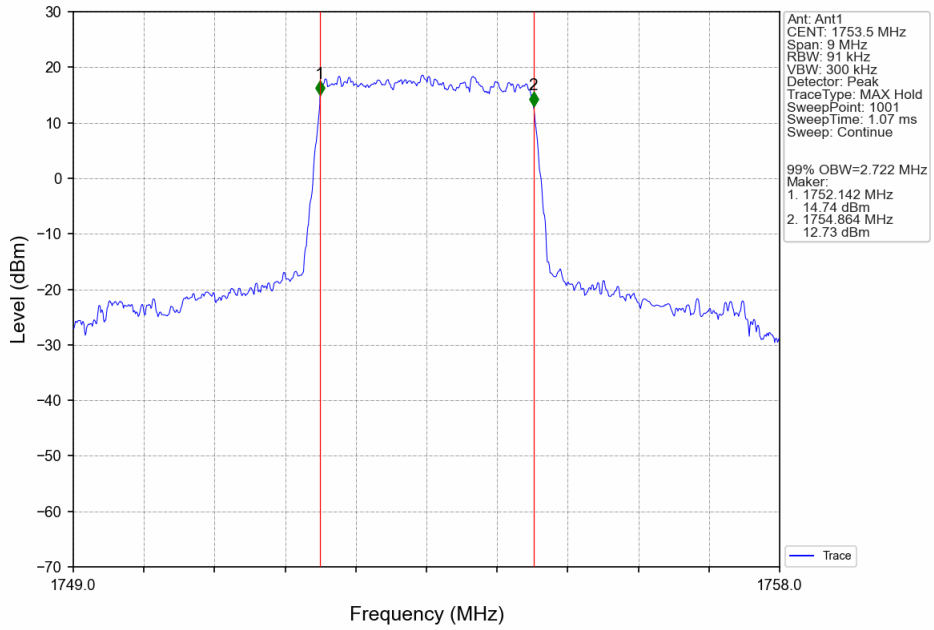
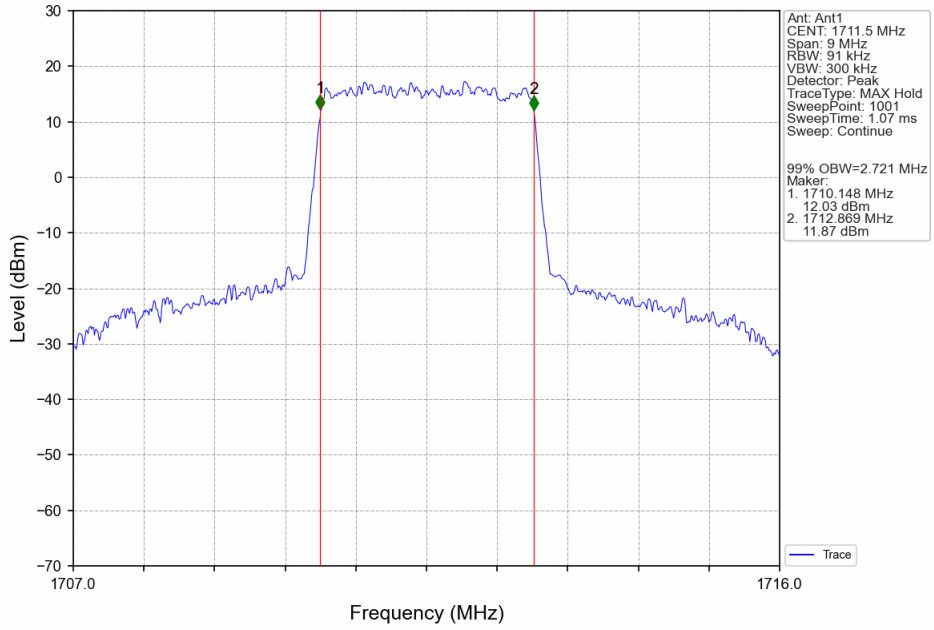


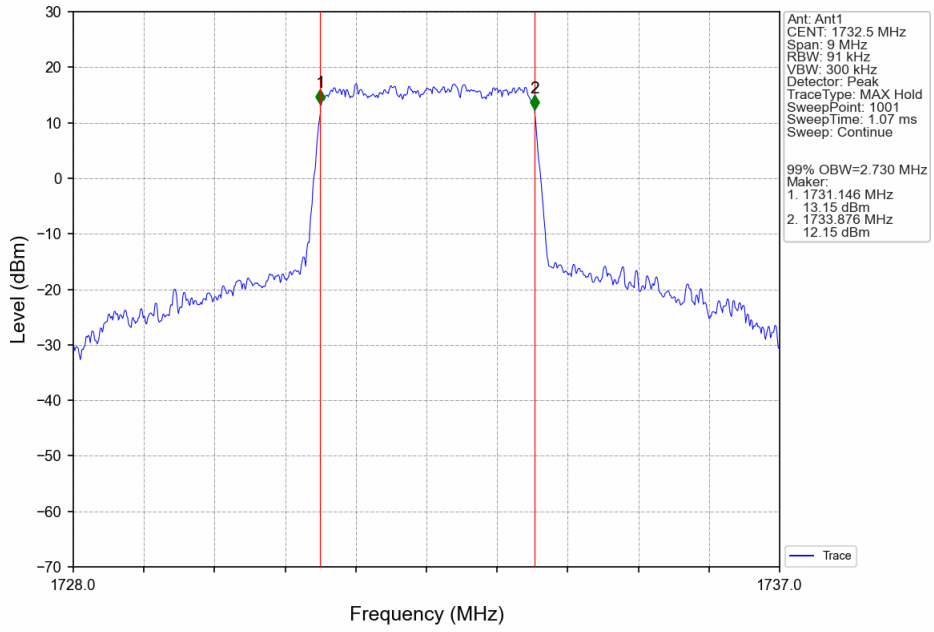
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



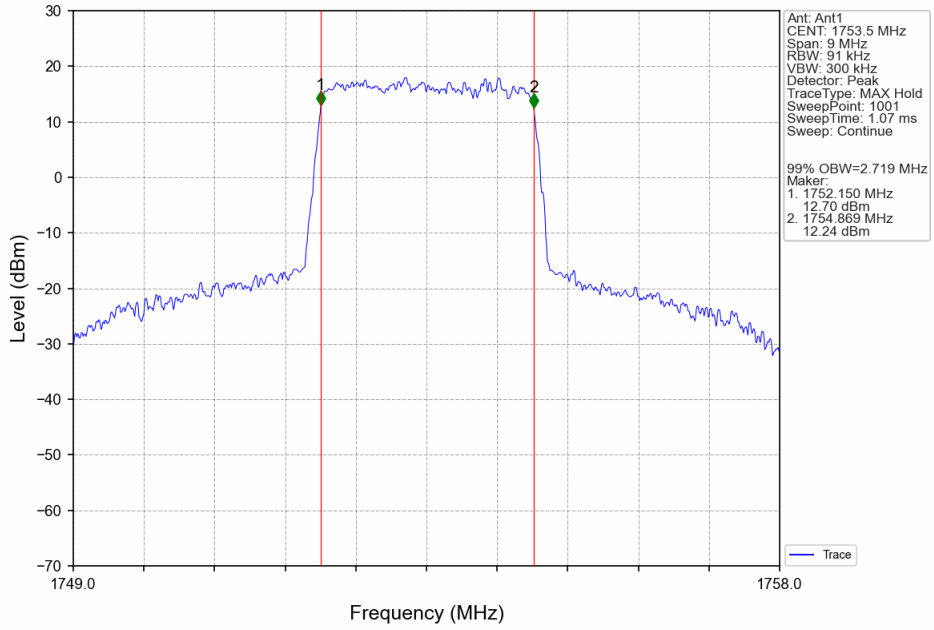
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



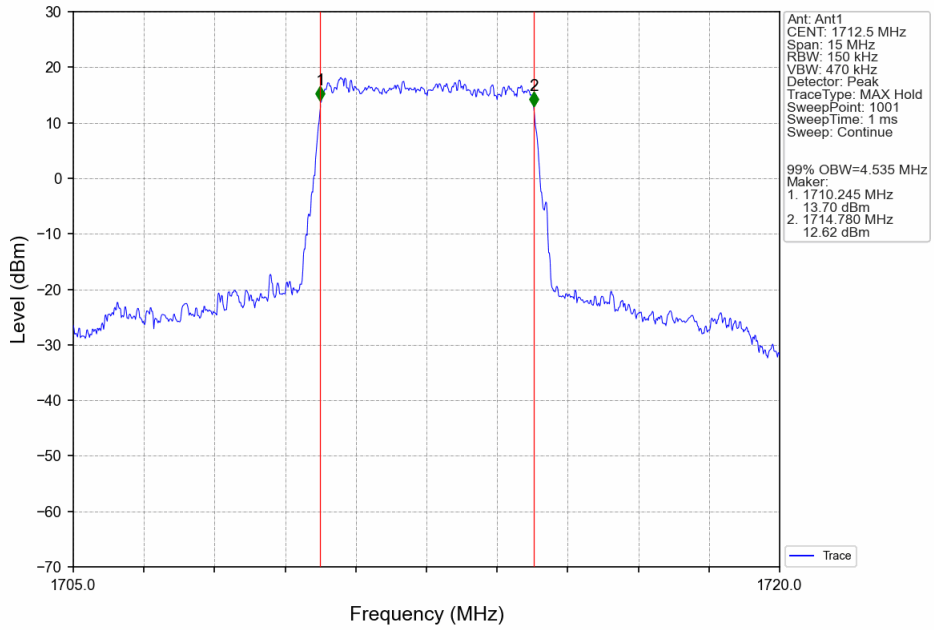
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



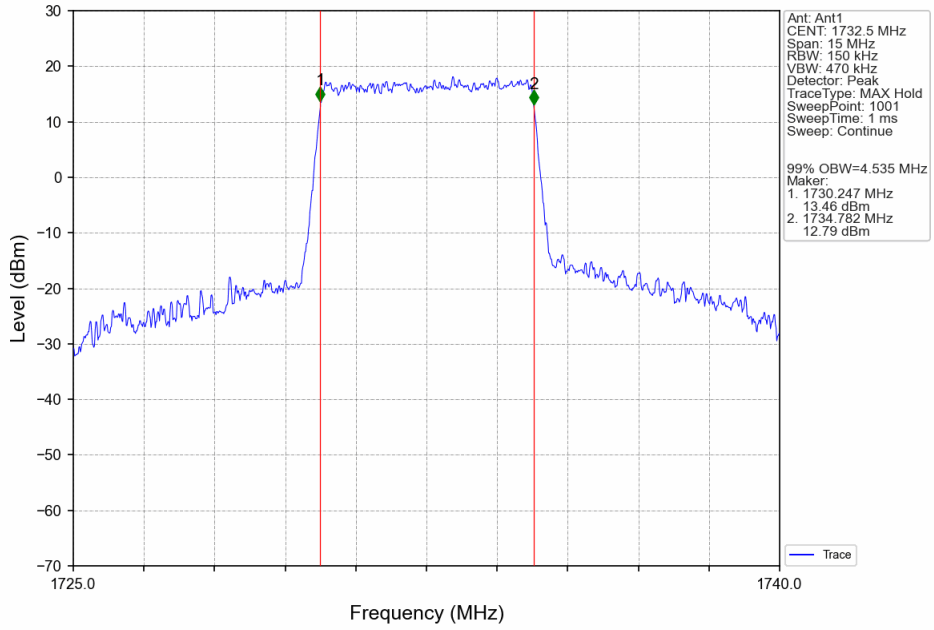
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



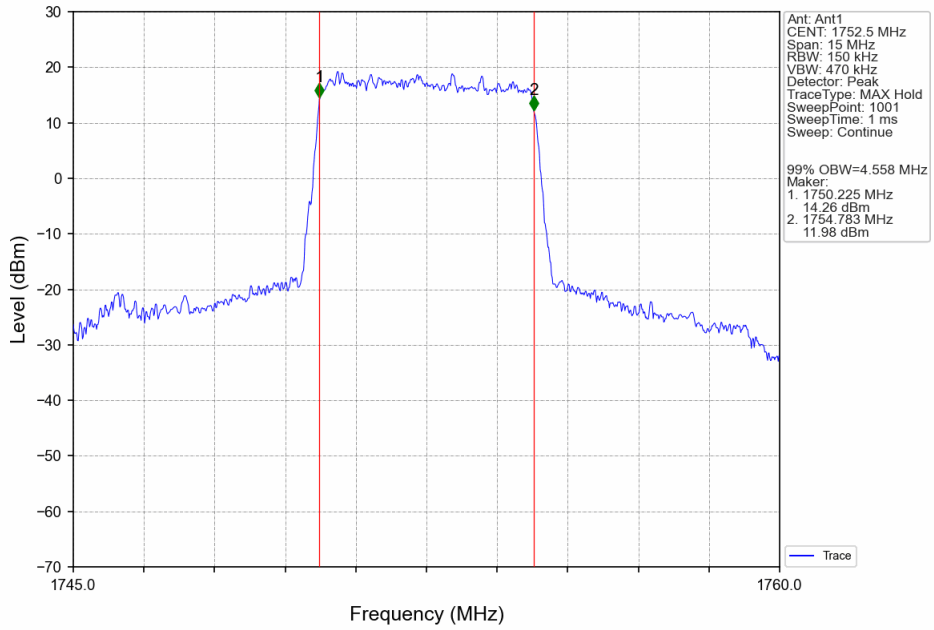
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



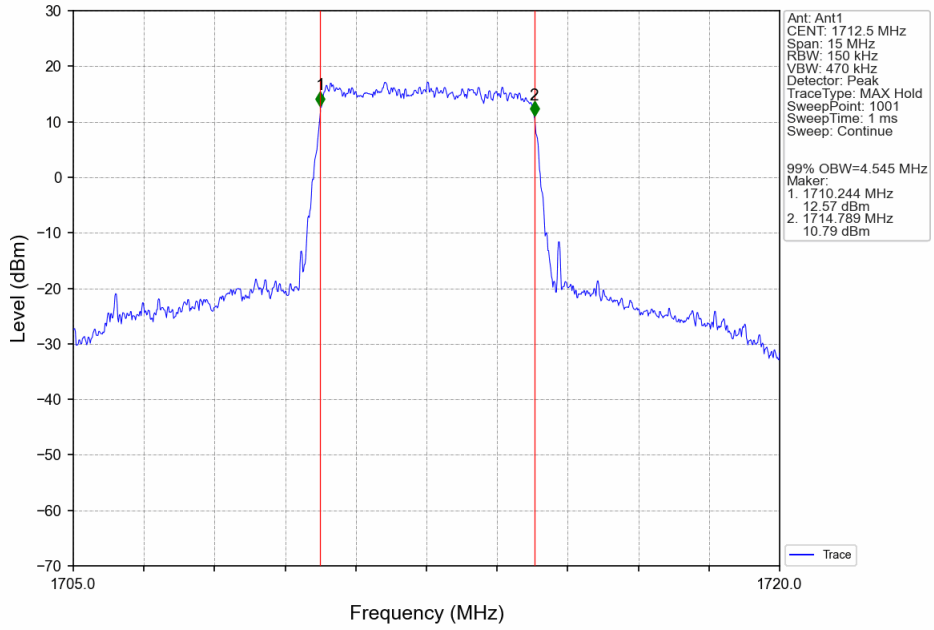
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



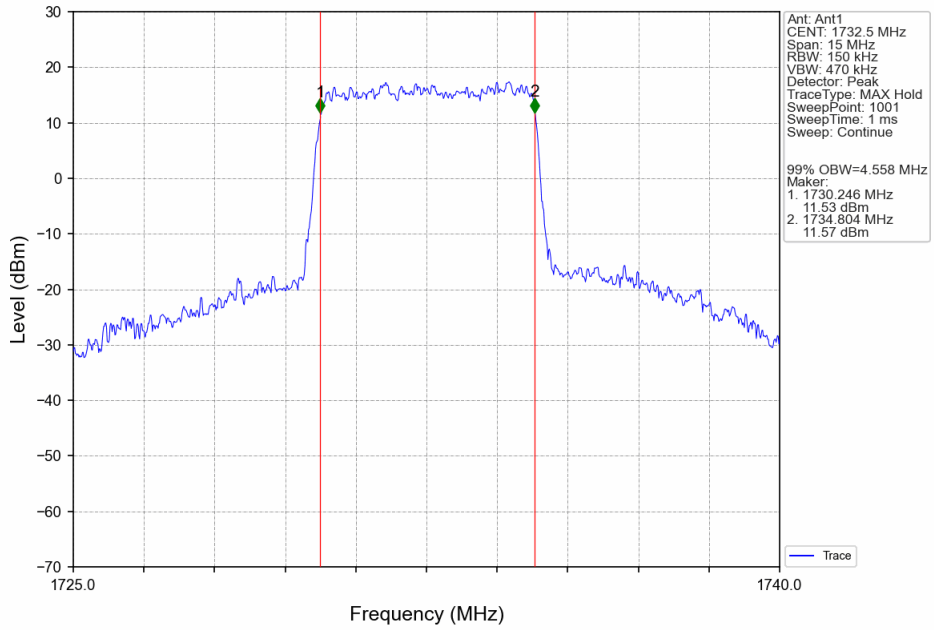
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



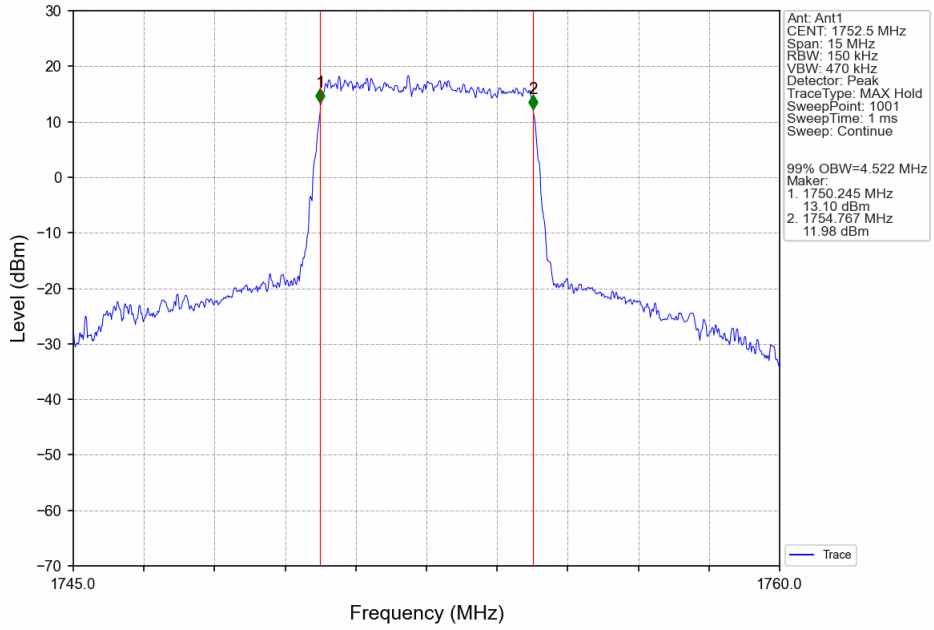
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



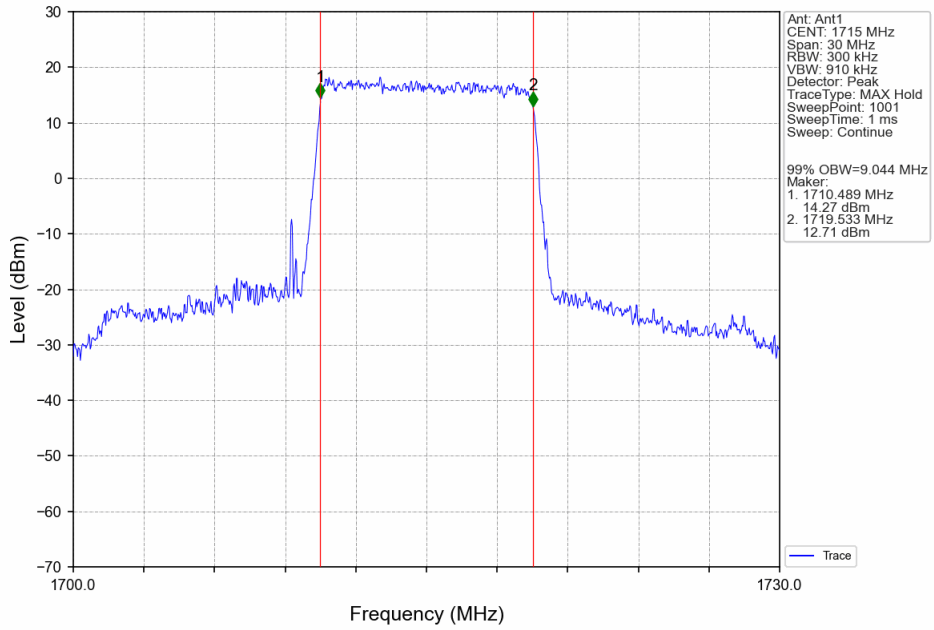
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



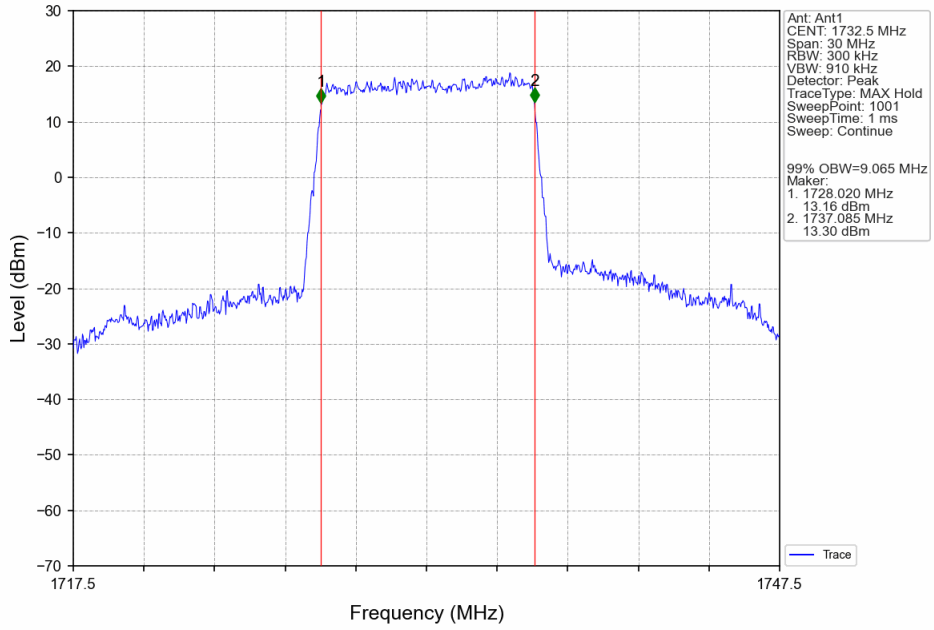
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



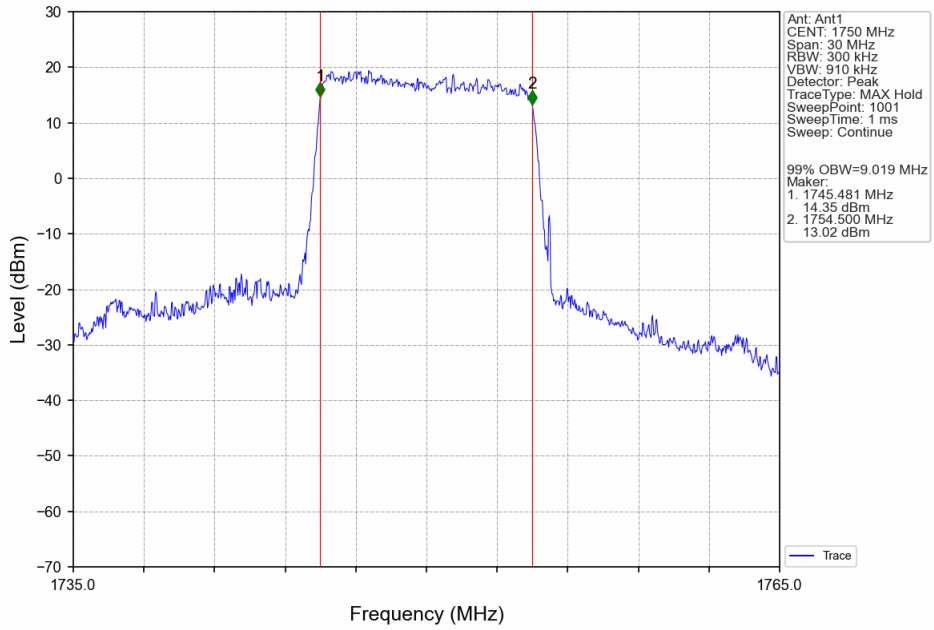
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



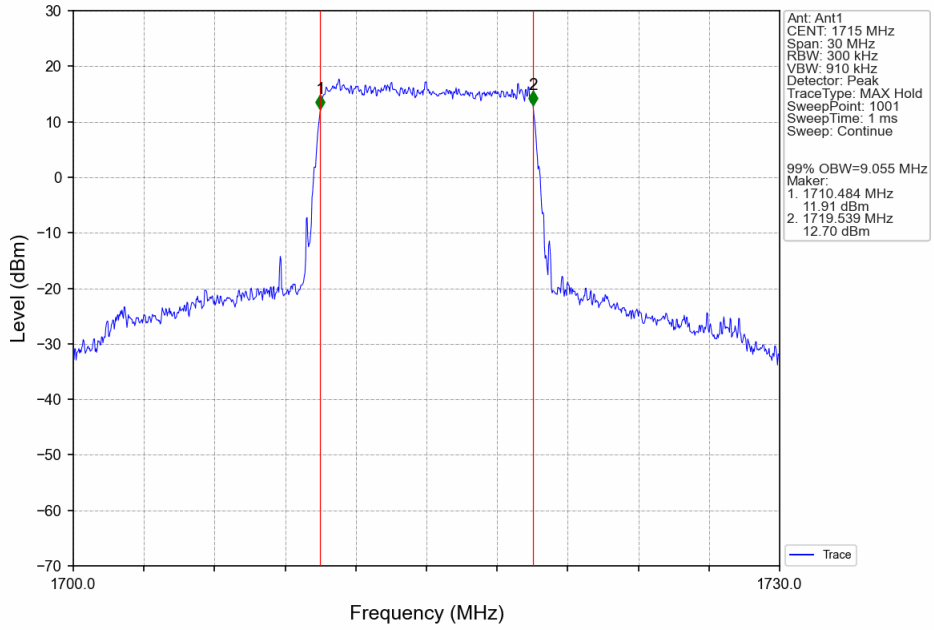
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



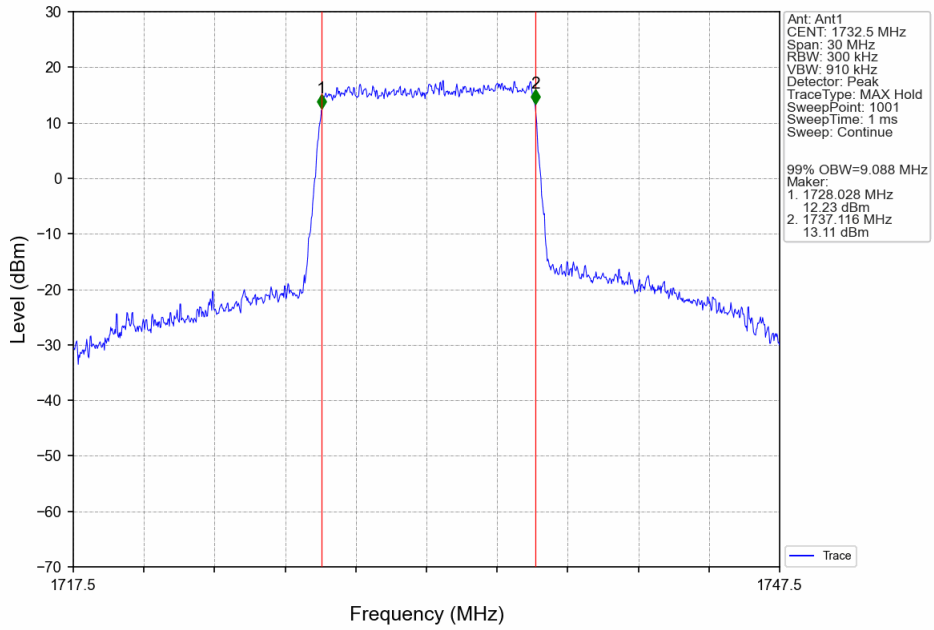
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



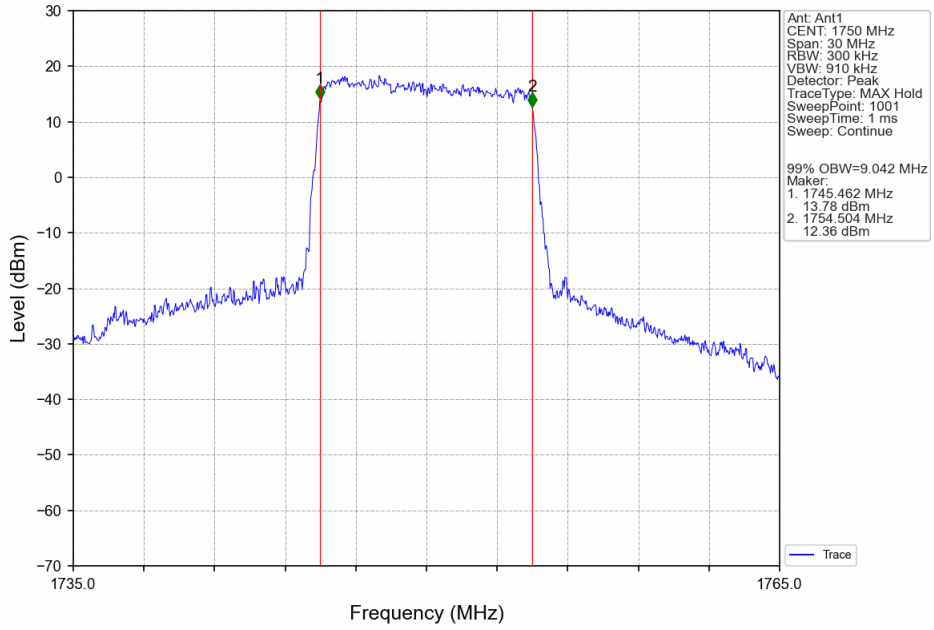
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



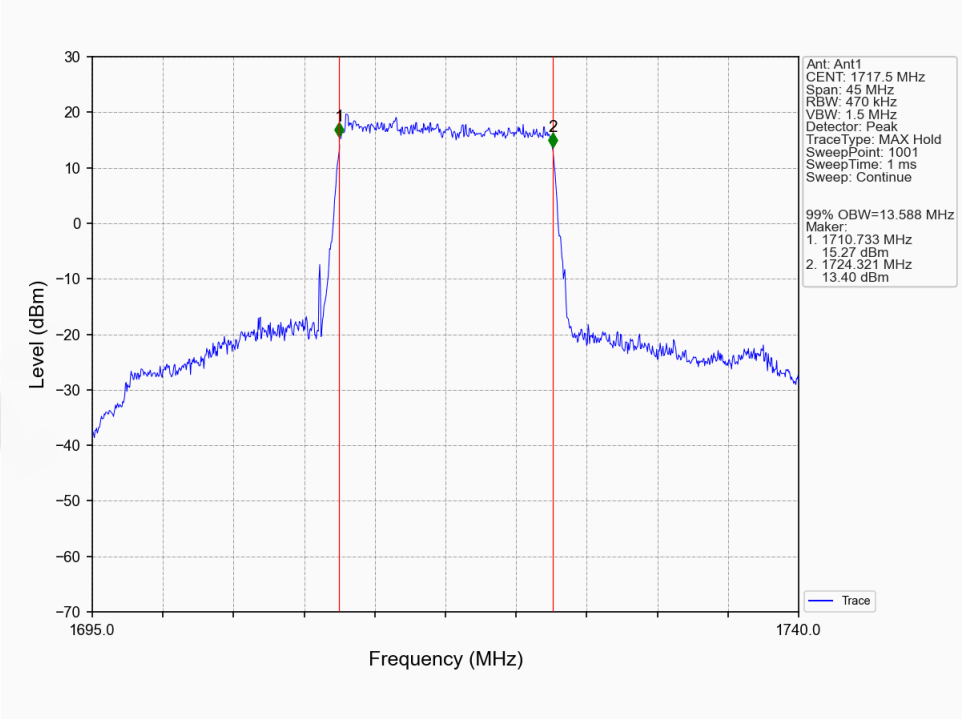
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



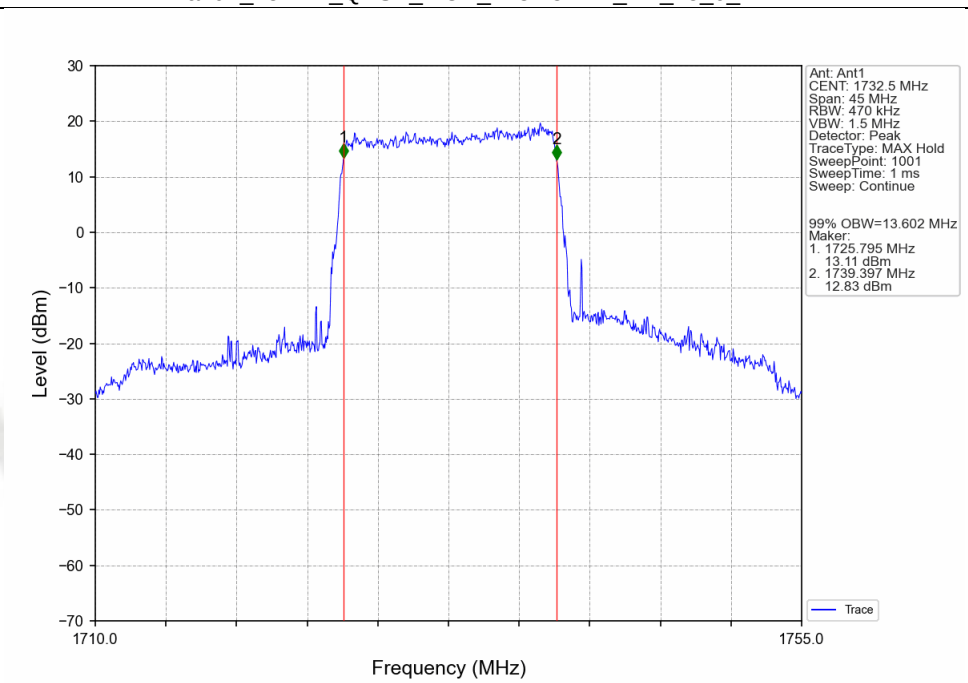
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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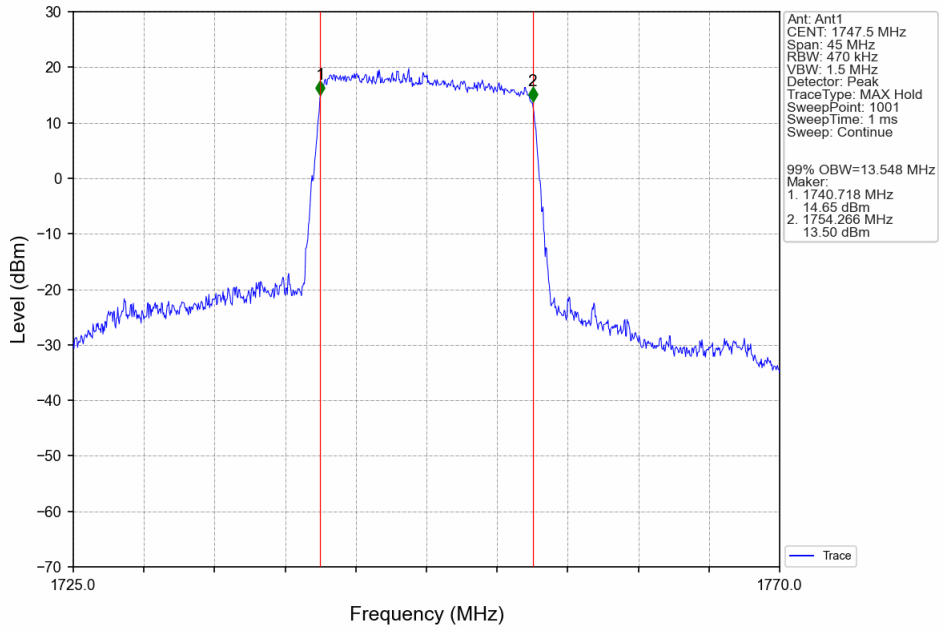
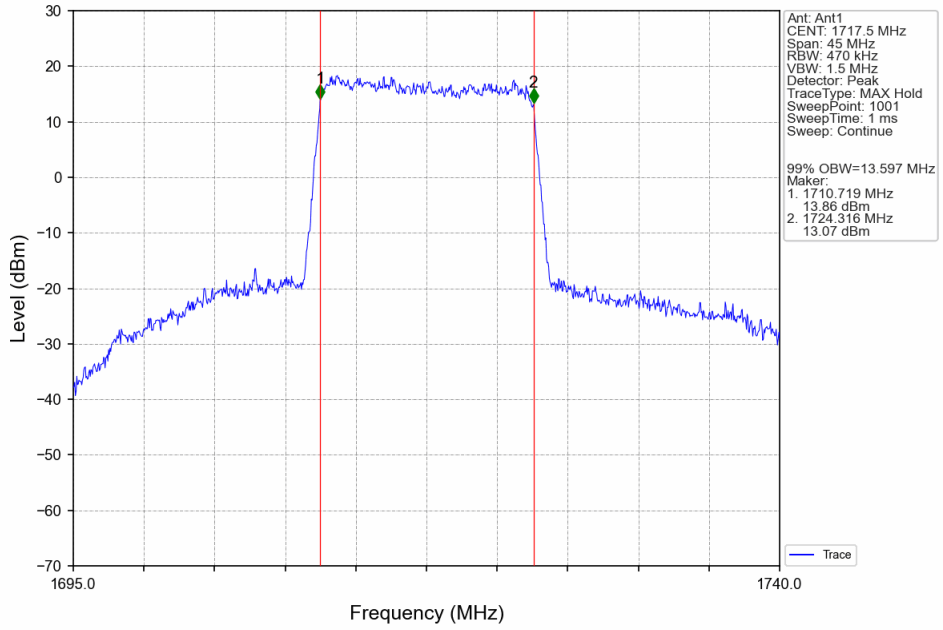
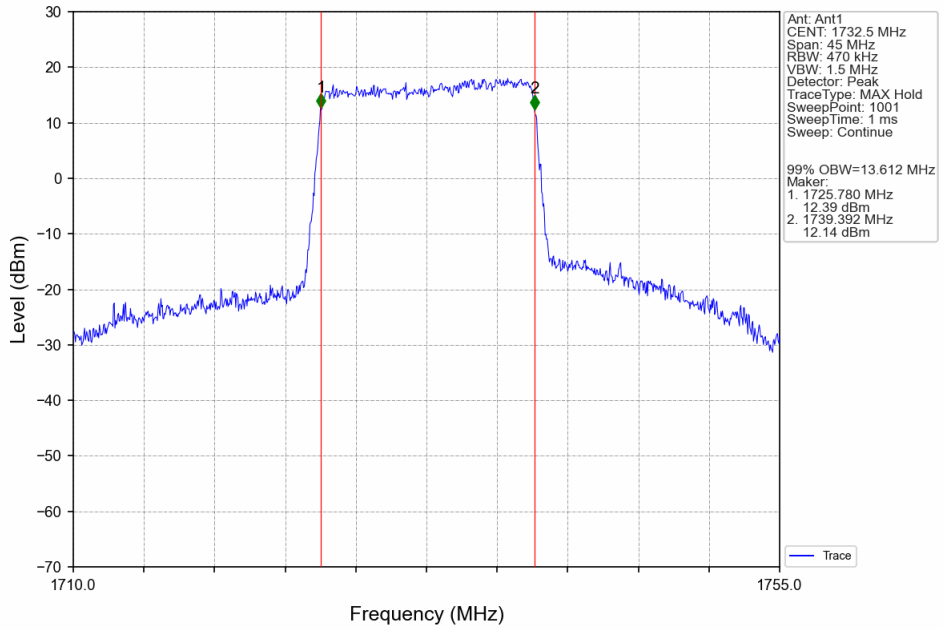


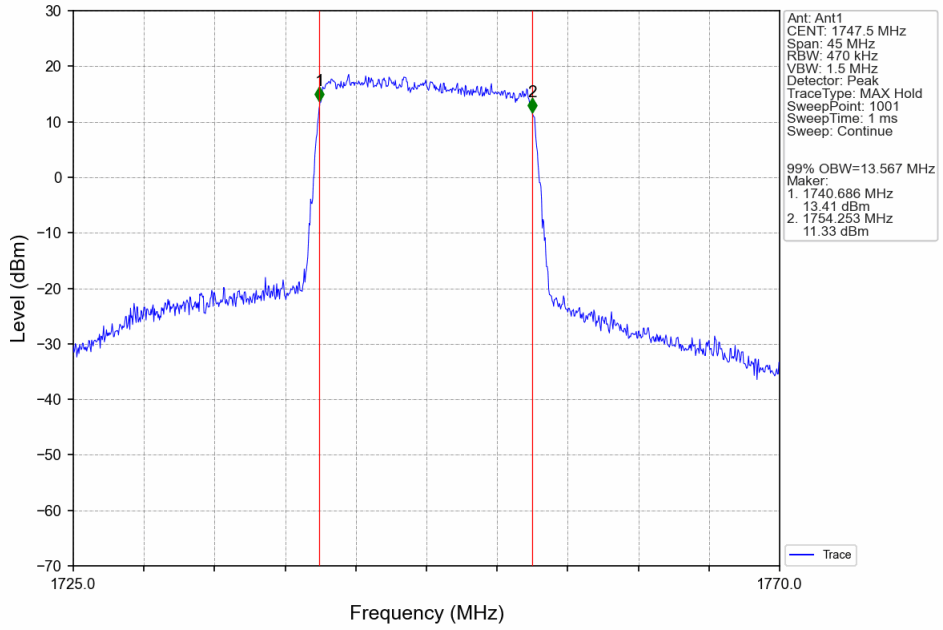
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



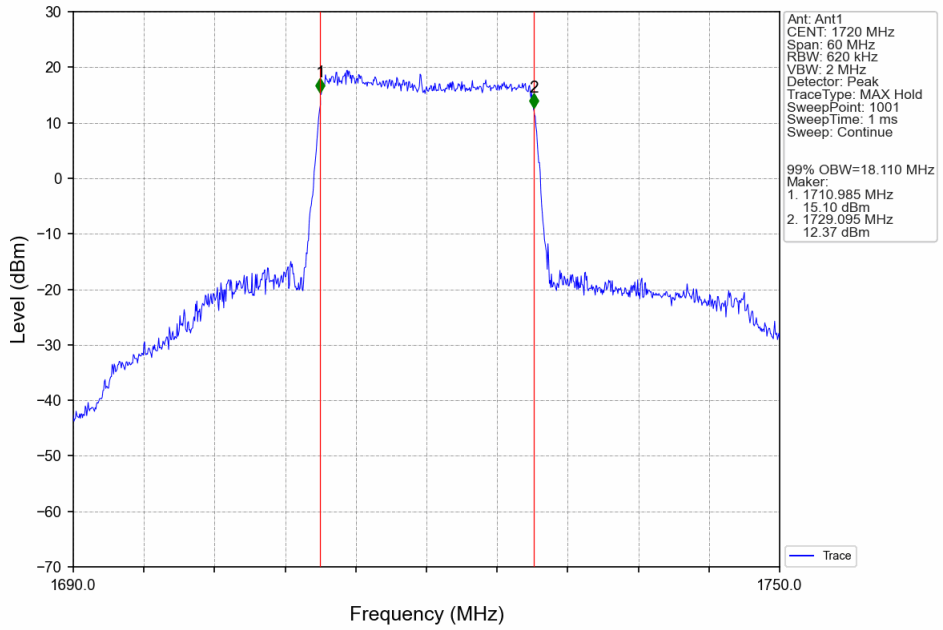
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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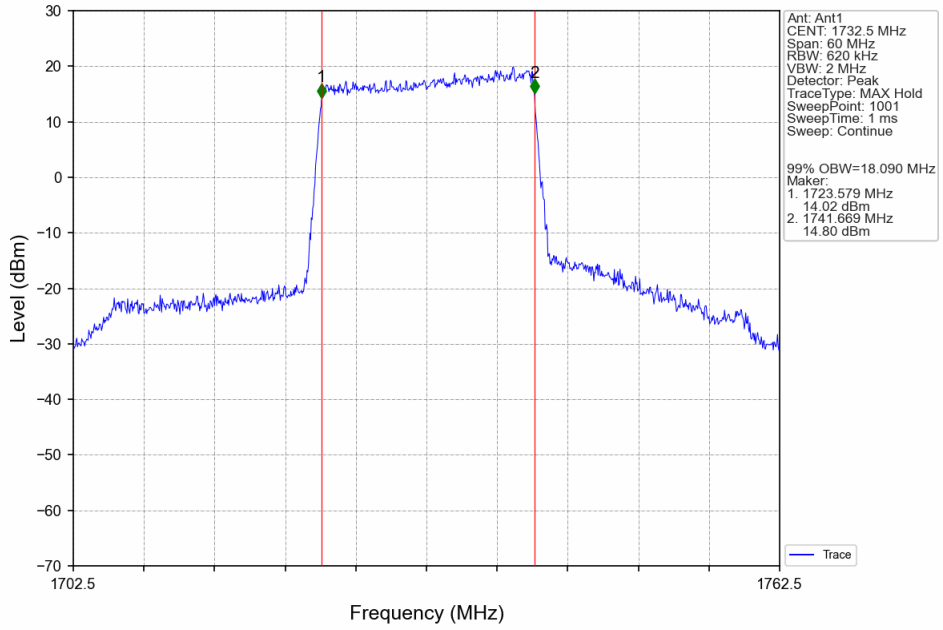

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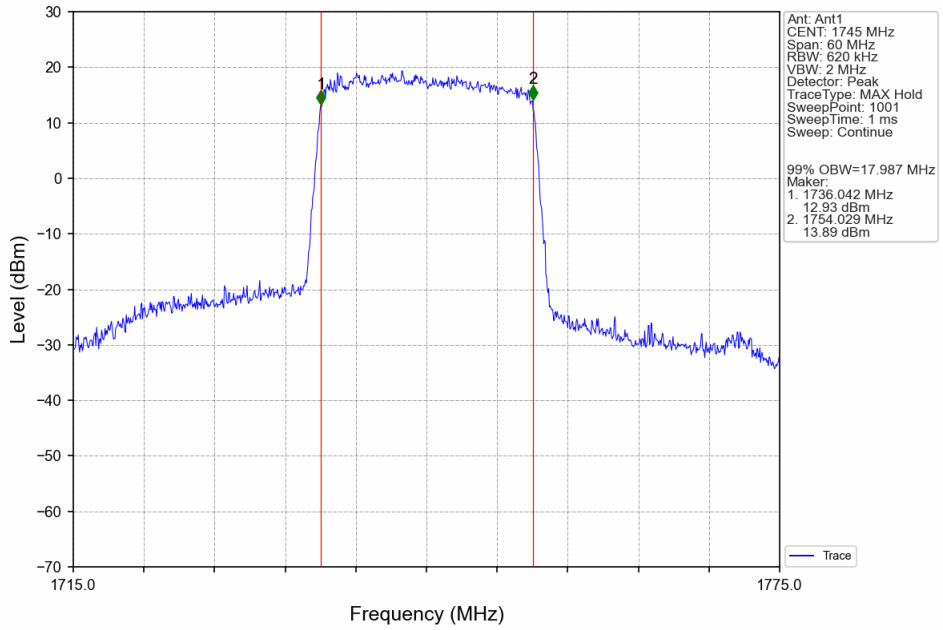
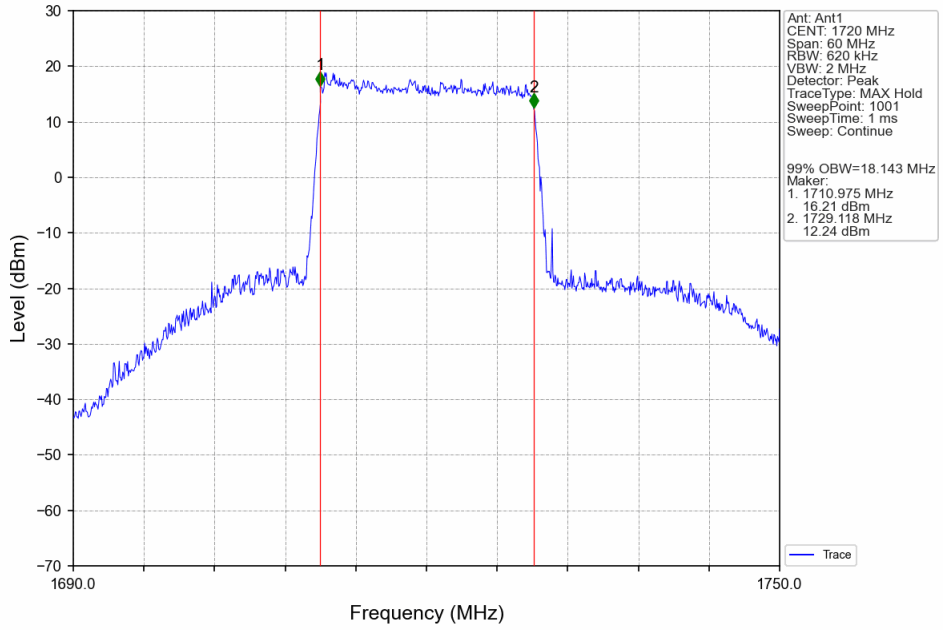
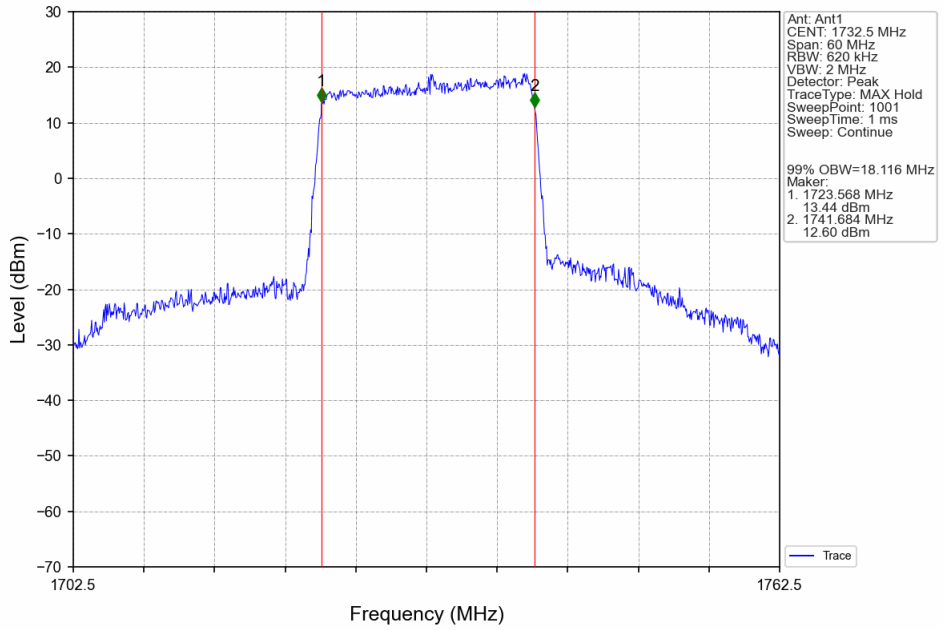


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



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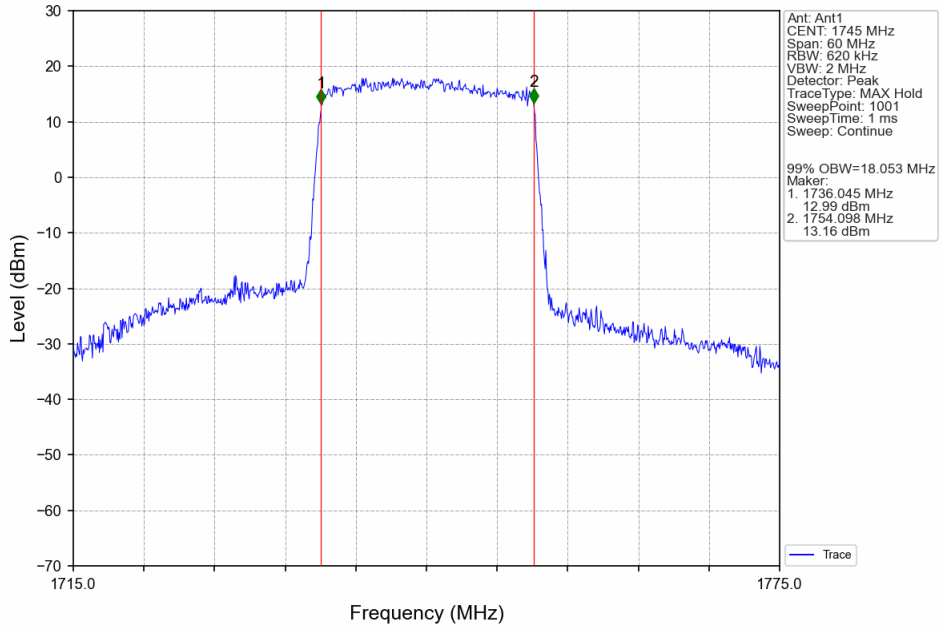
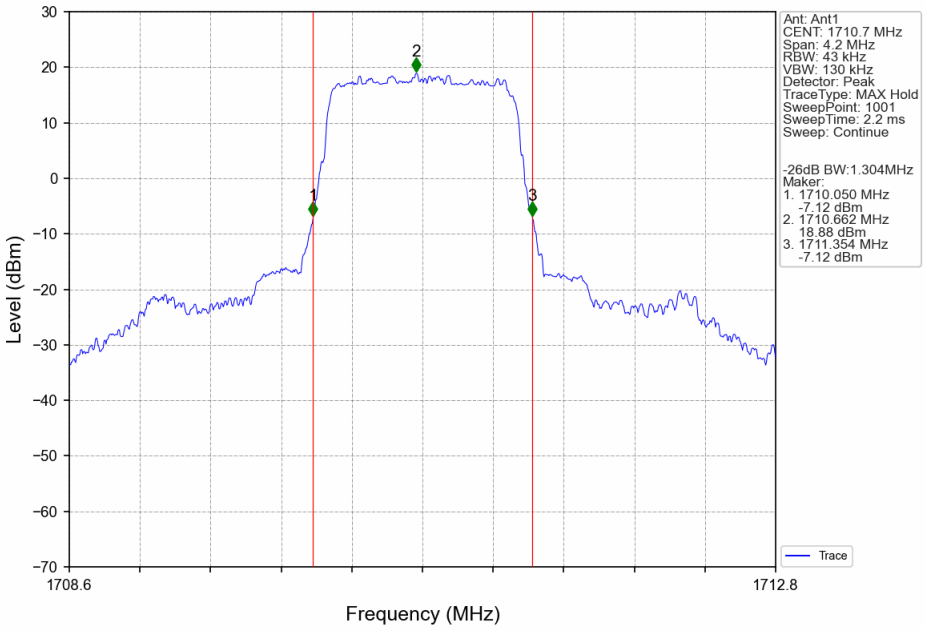
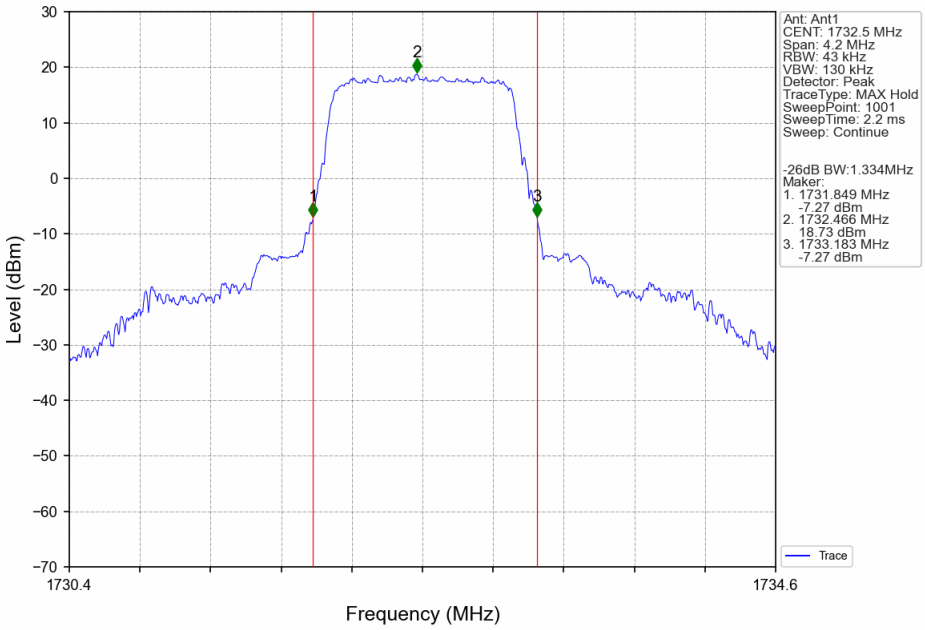


4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



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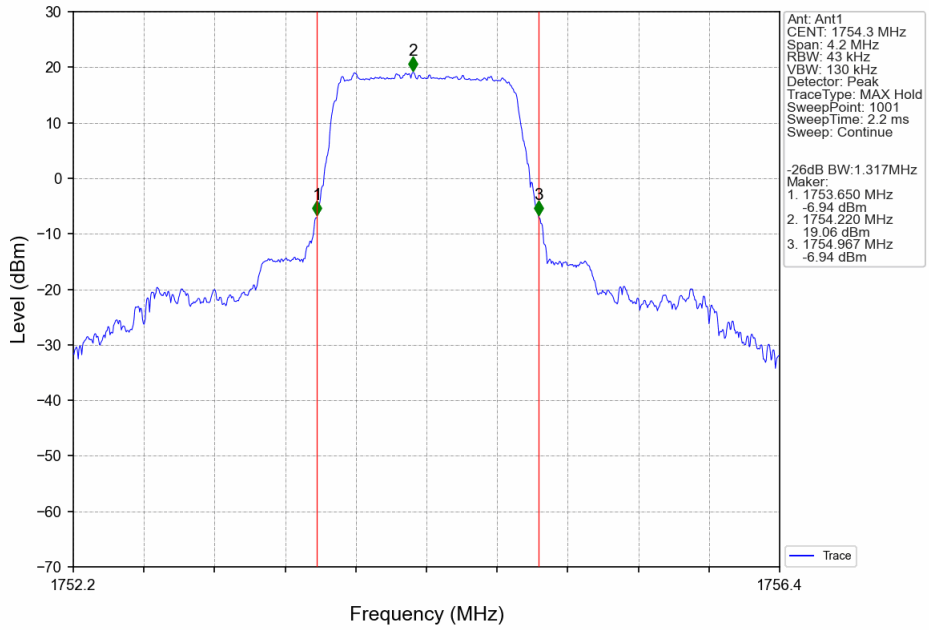
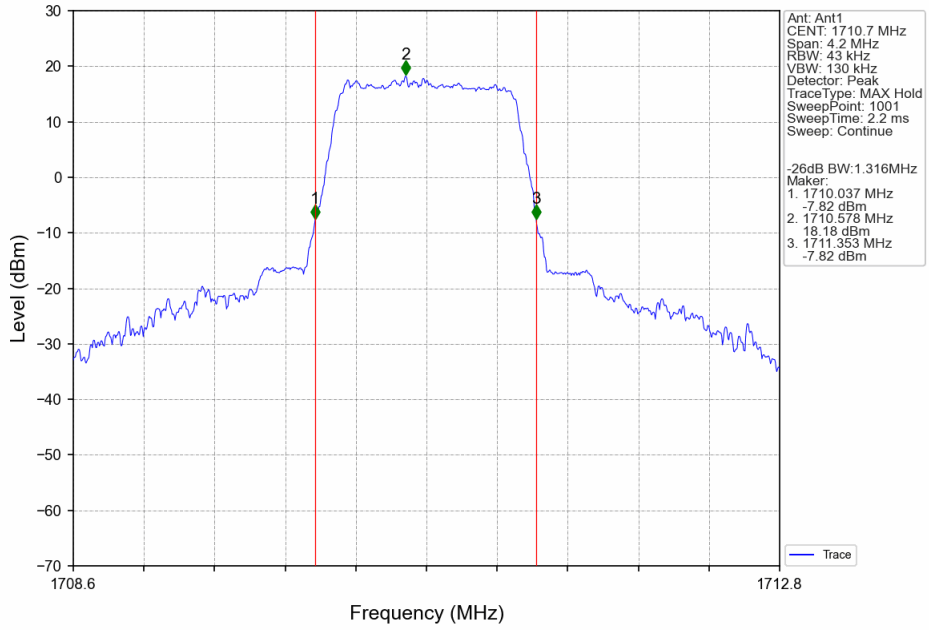
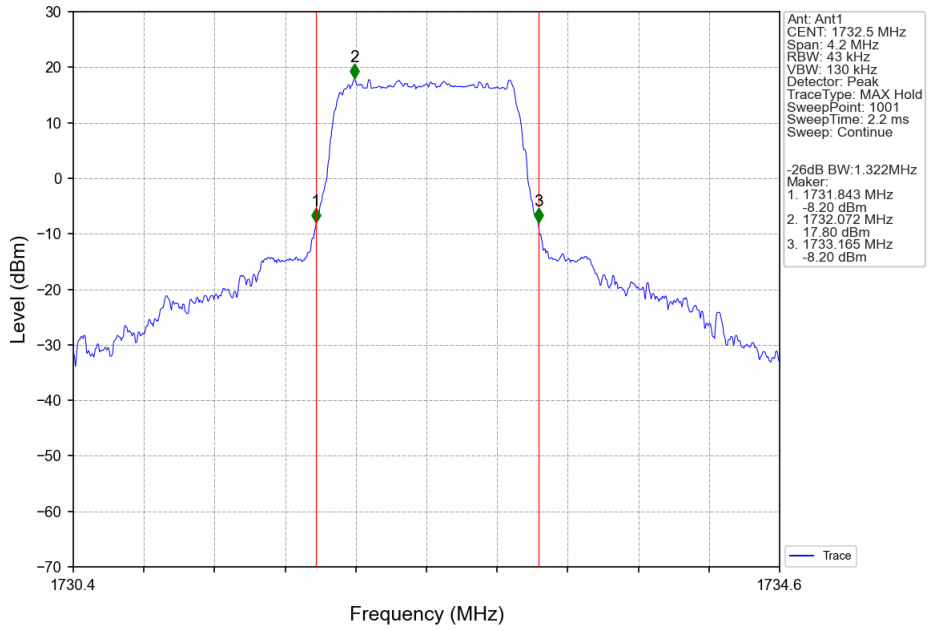


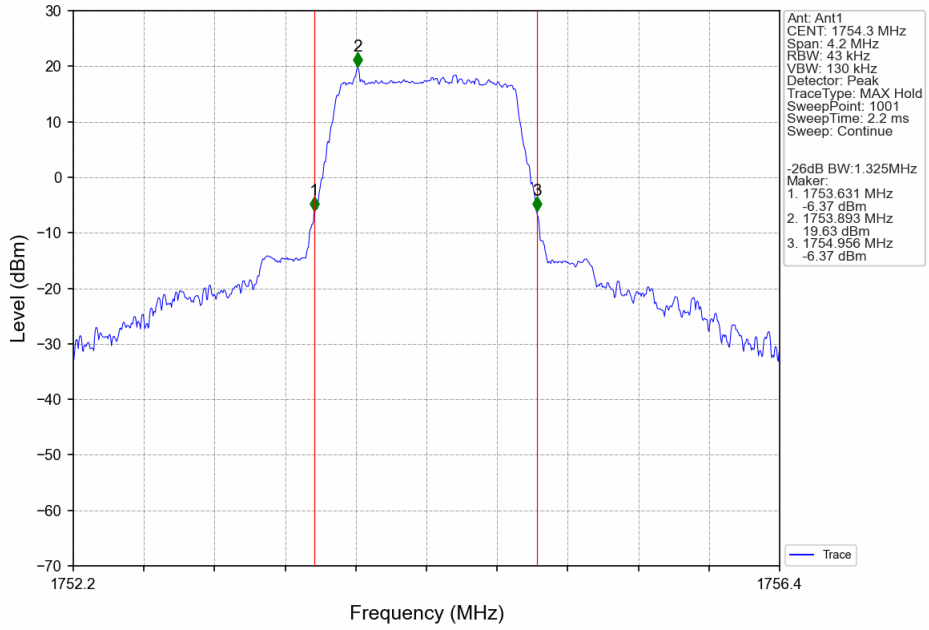
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



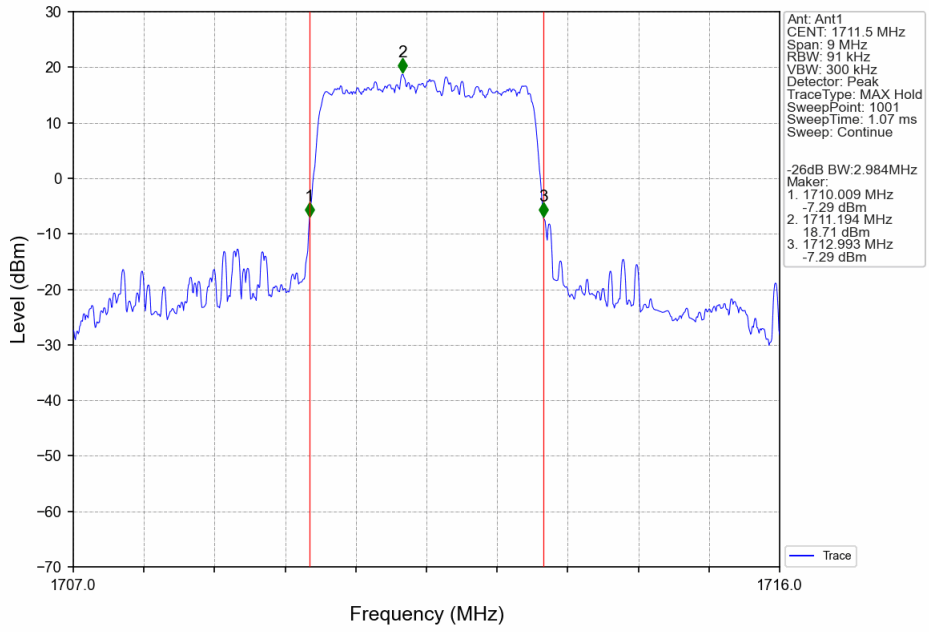
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



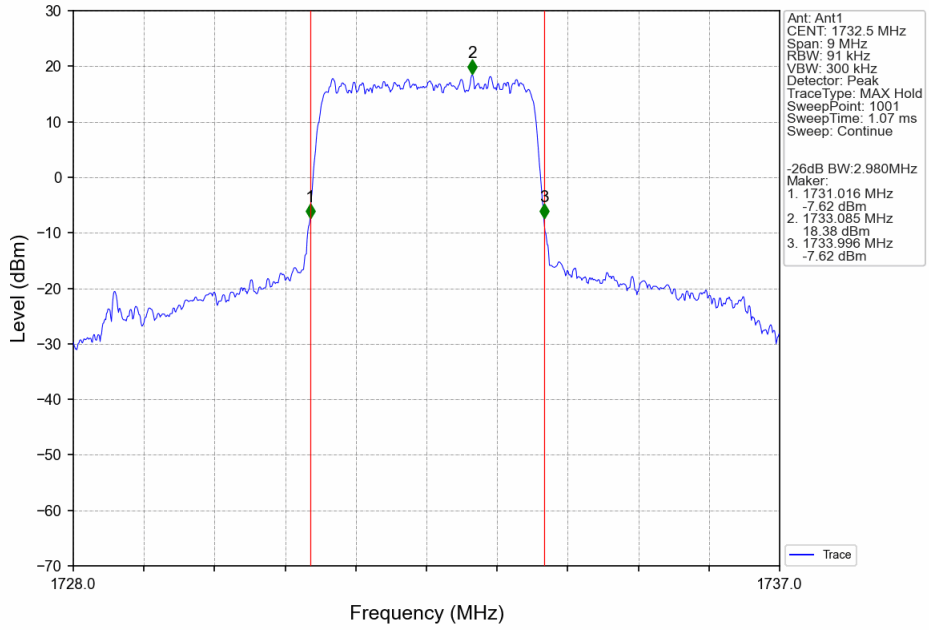
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



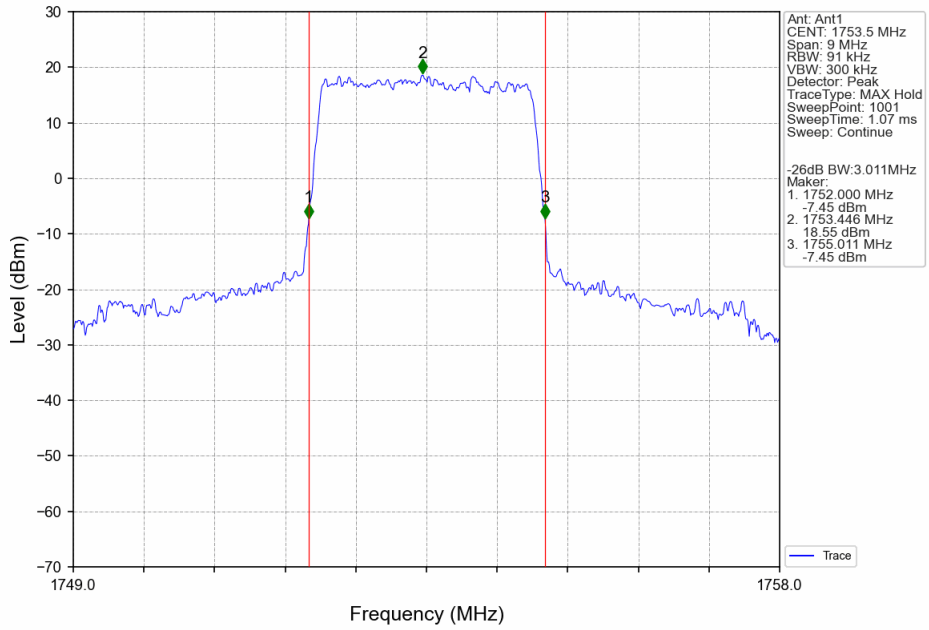
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



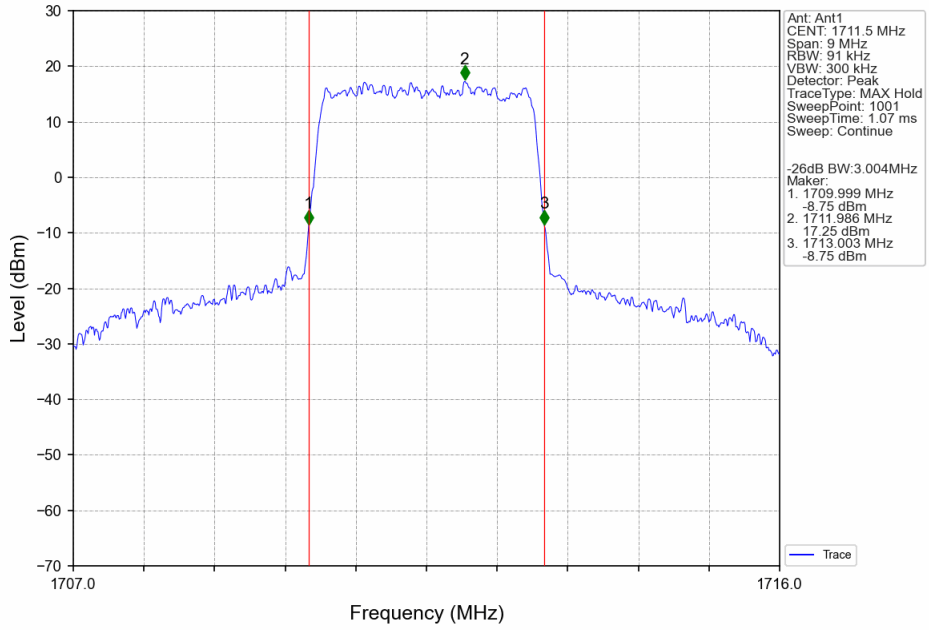
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



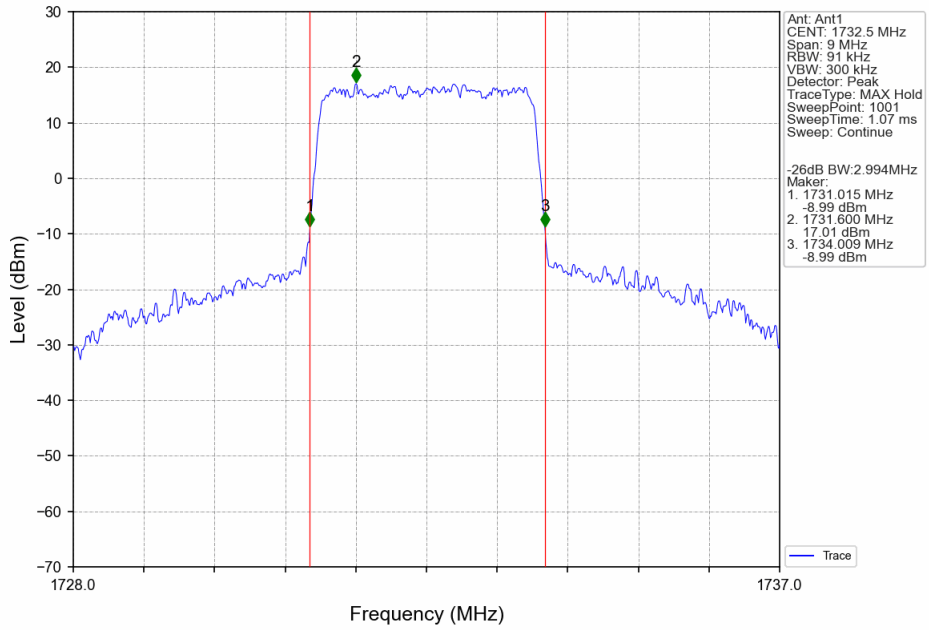
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



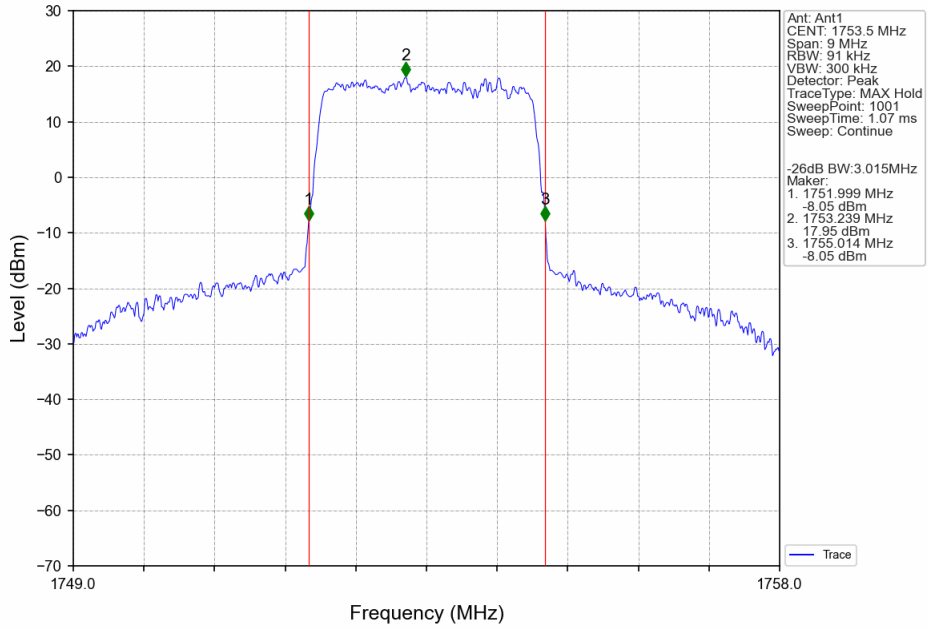
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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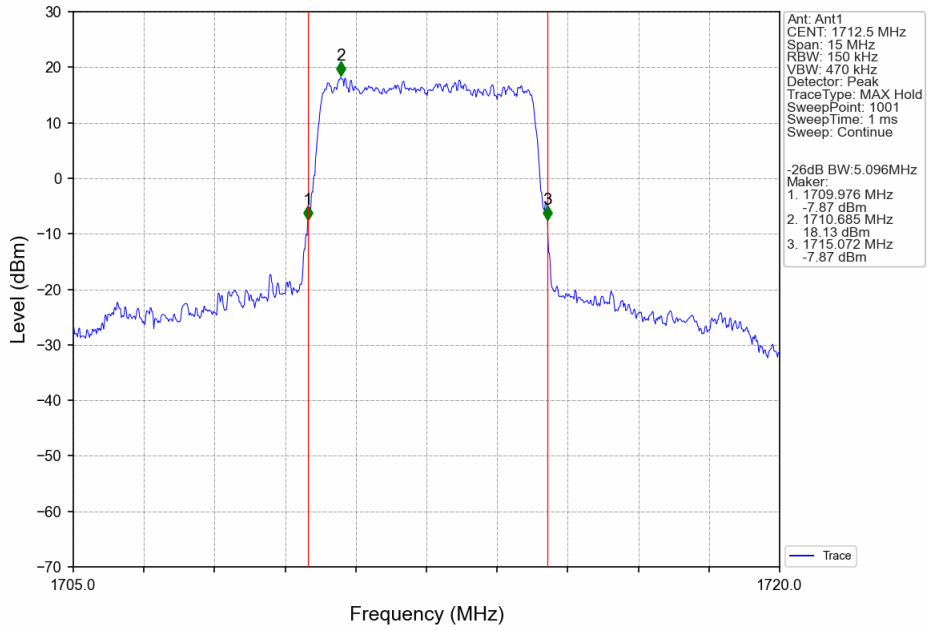
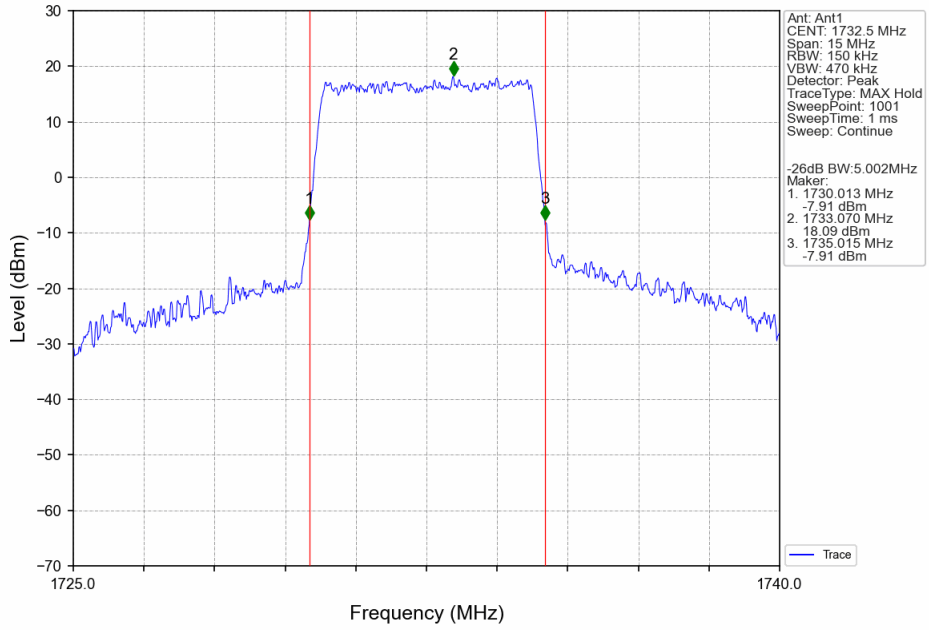
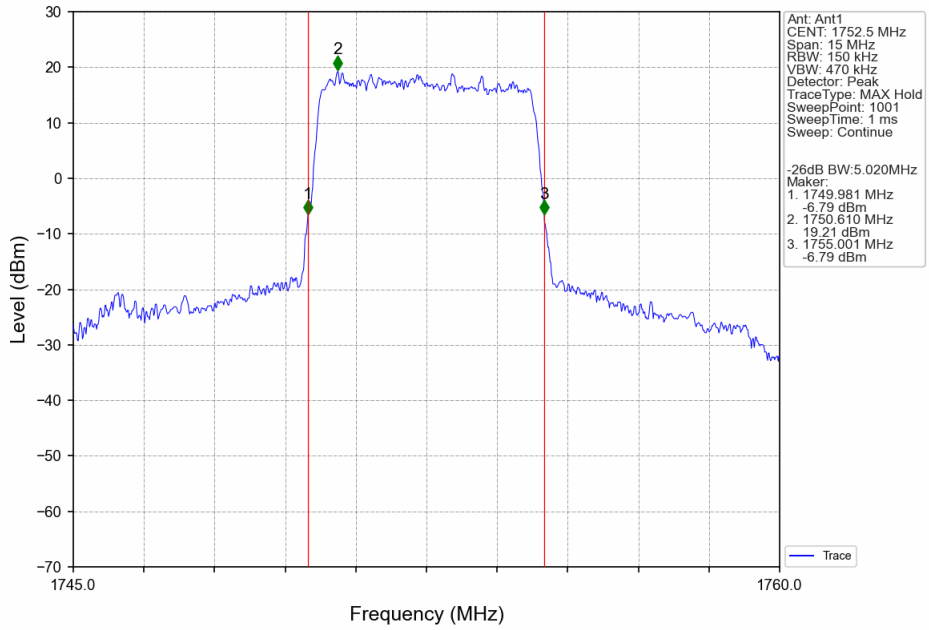


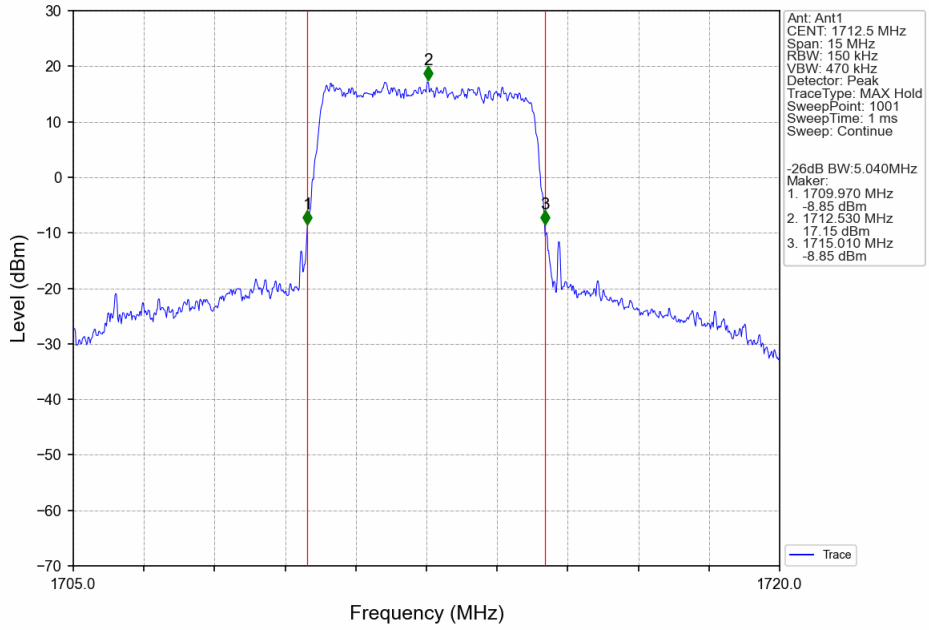
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



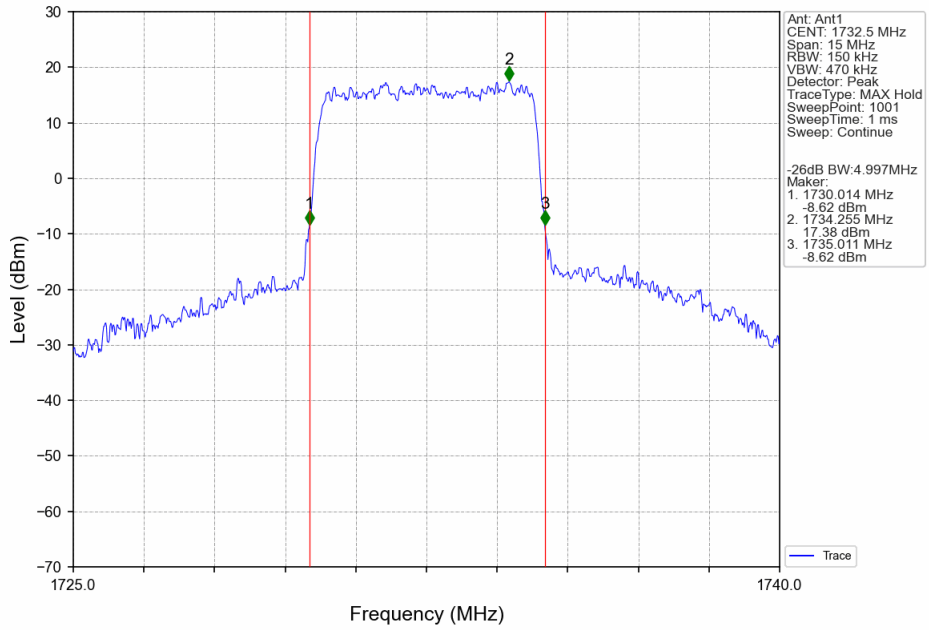
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



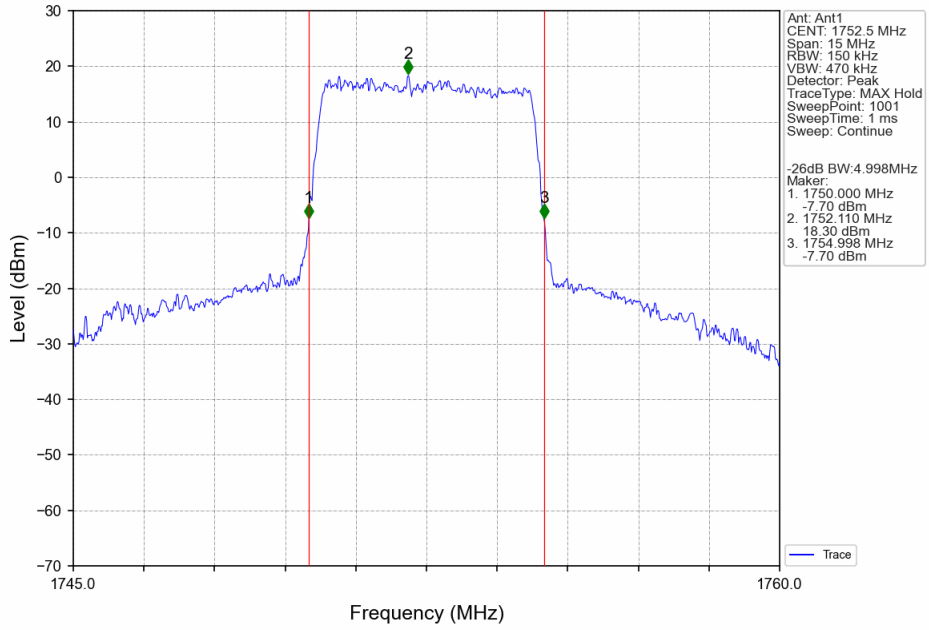
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



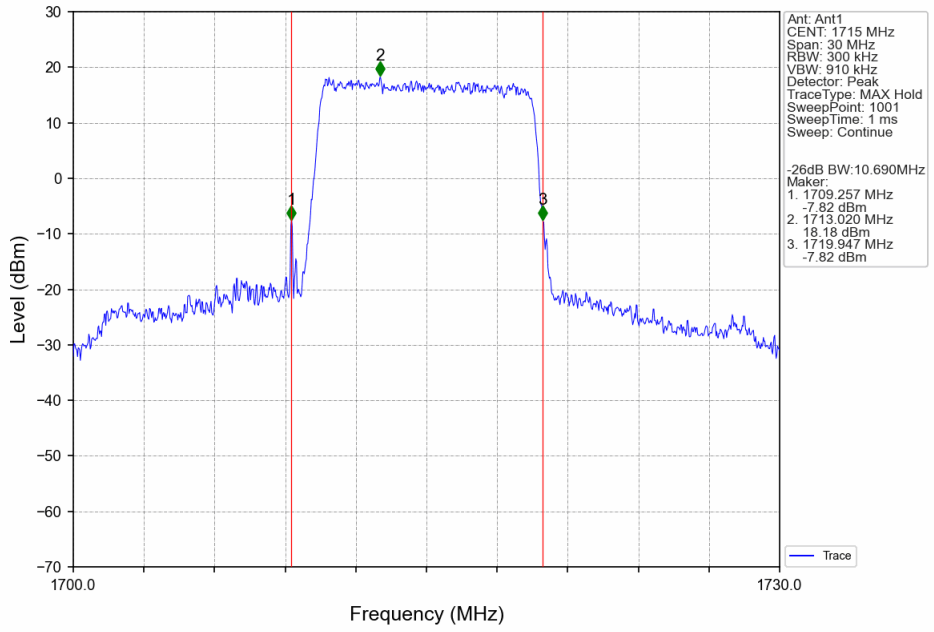
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



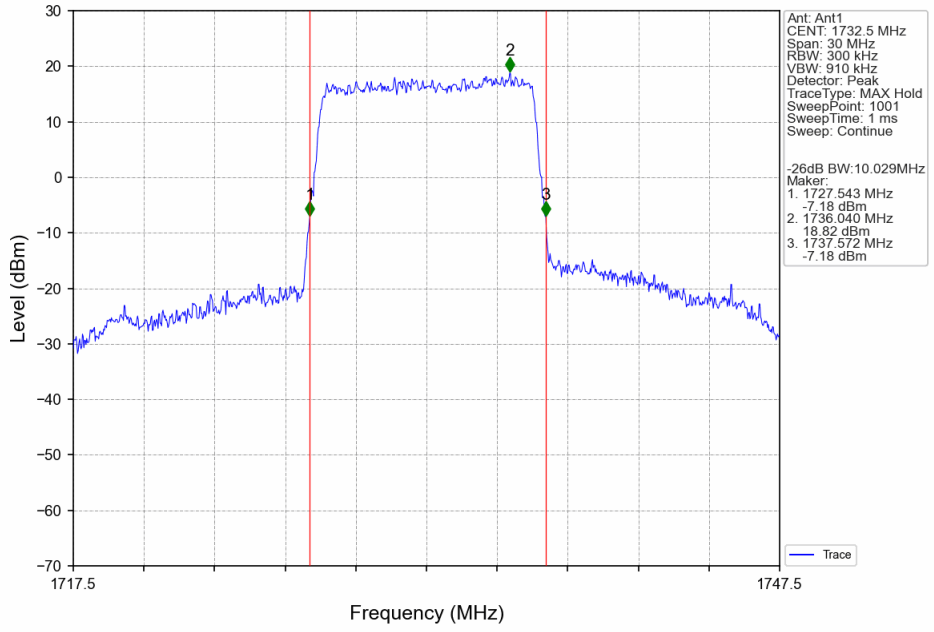
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



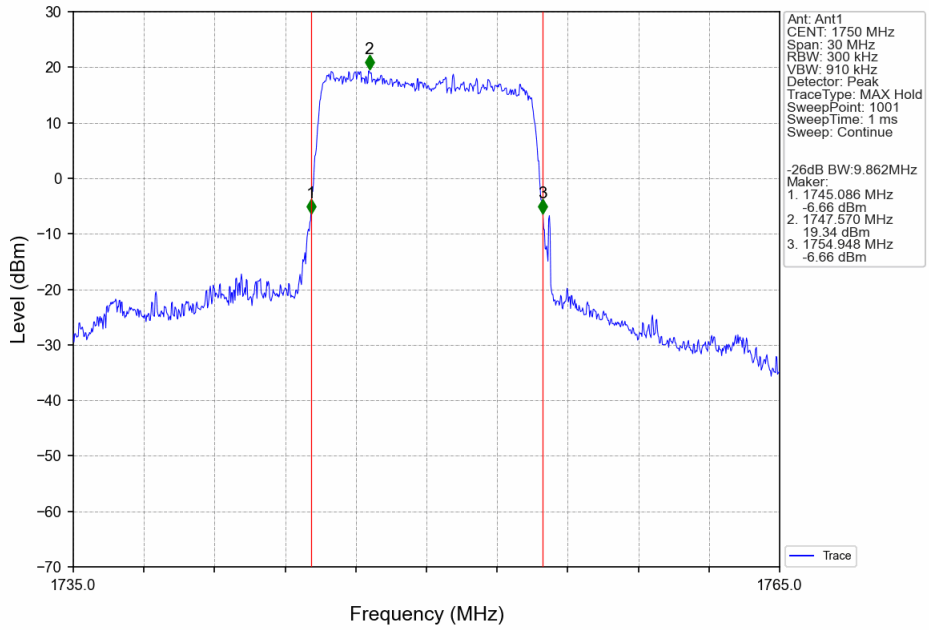
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



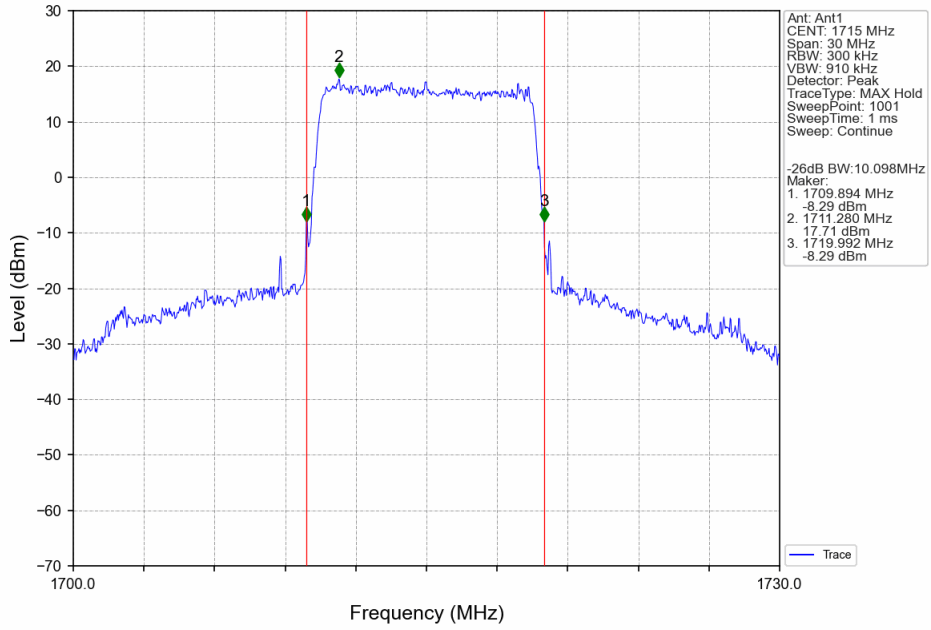
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



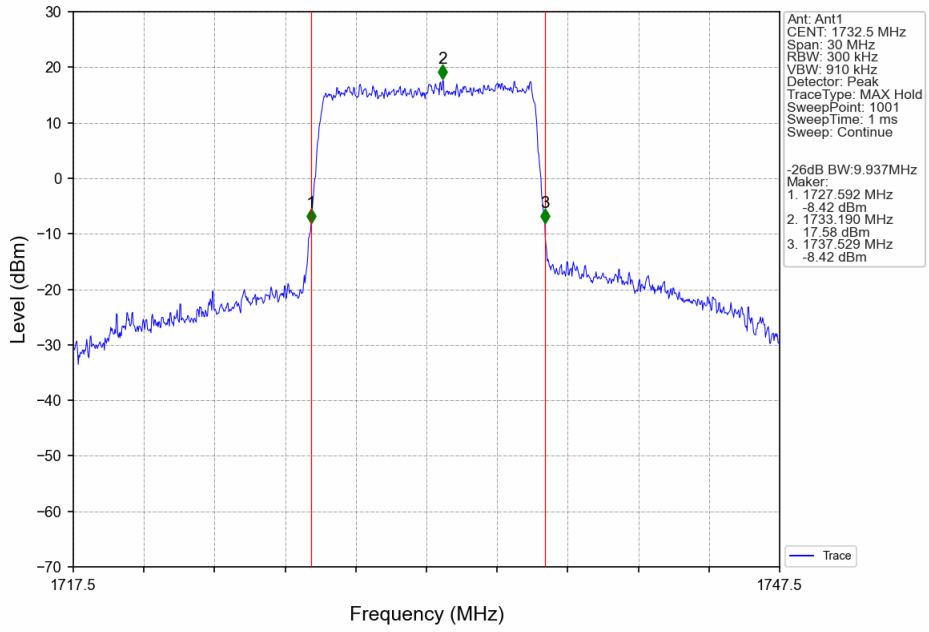
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



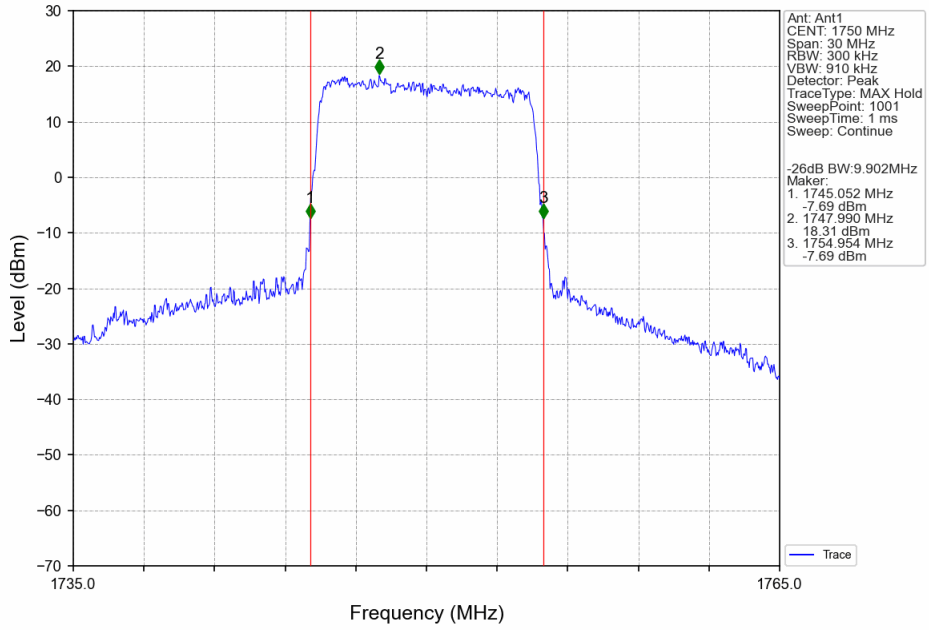
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



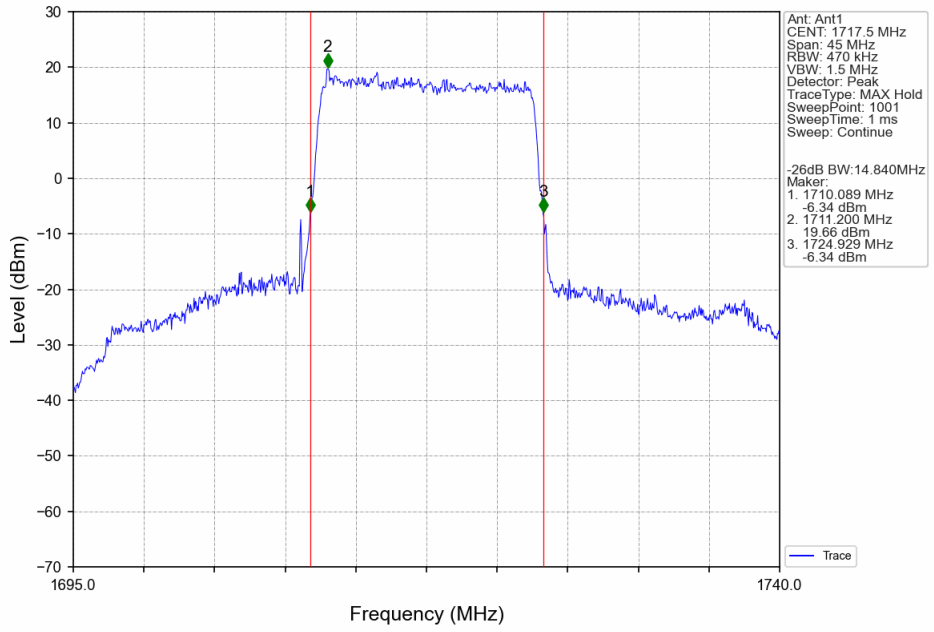
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



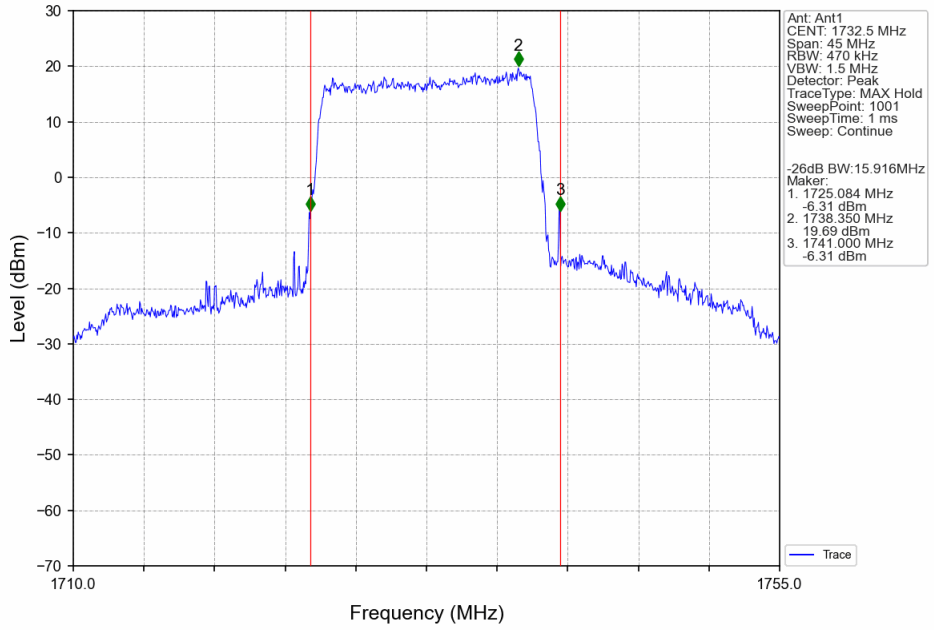
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



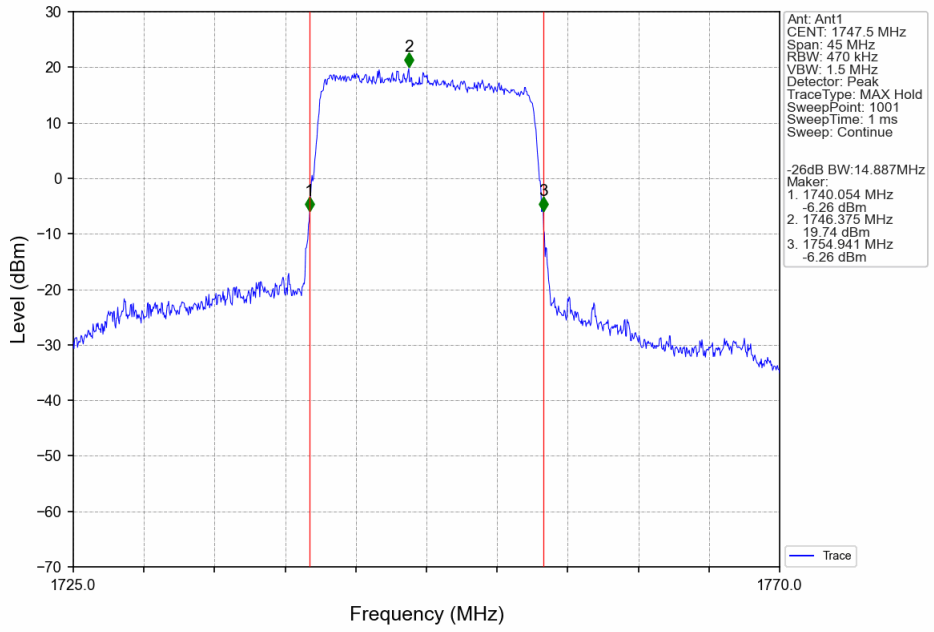
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



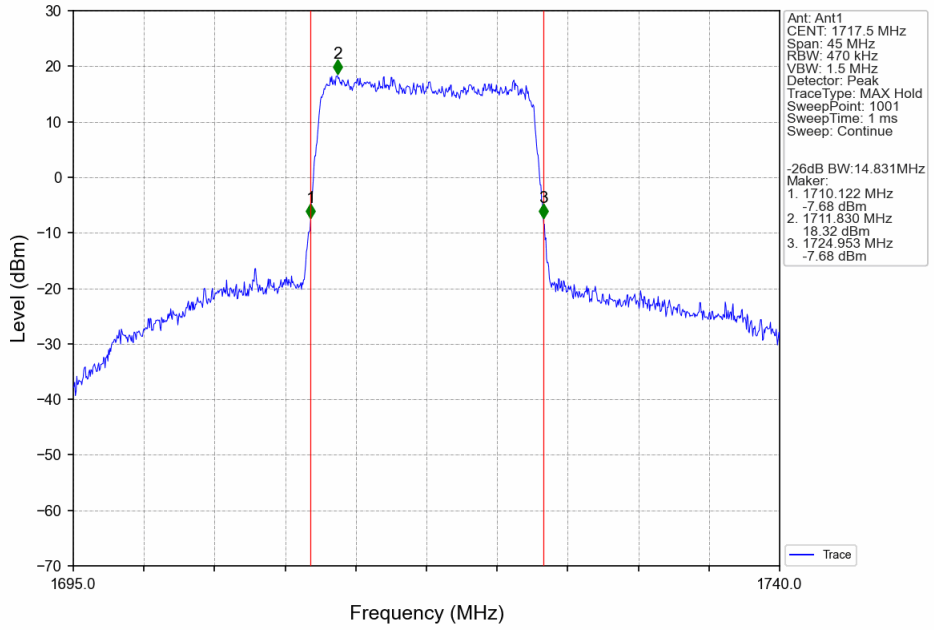
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



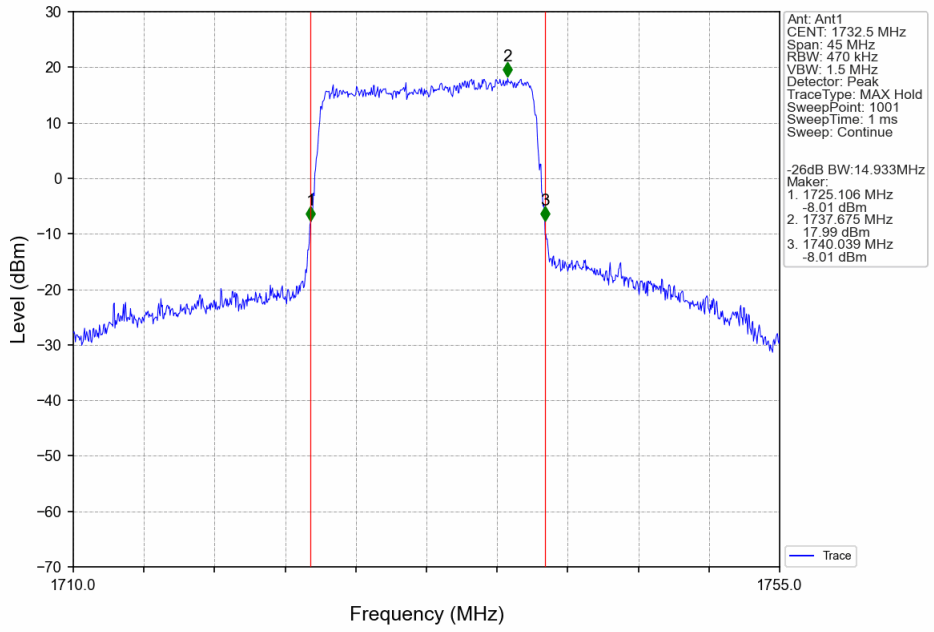
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



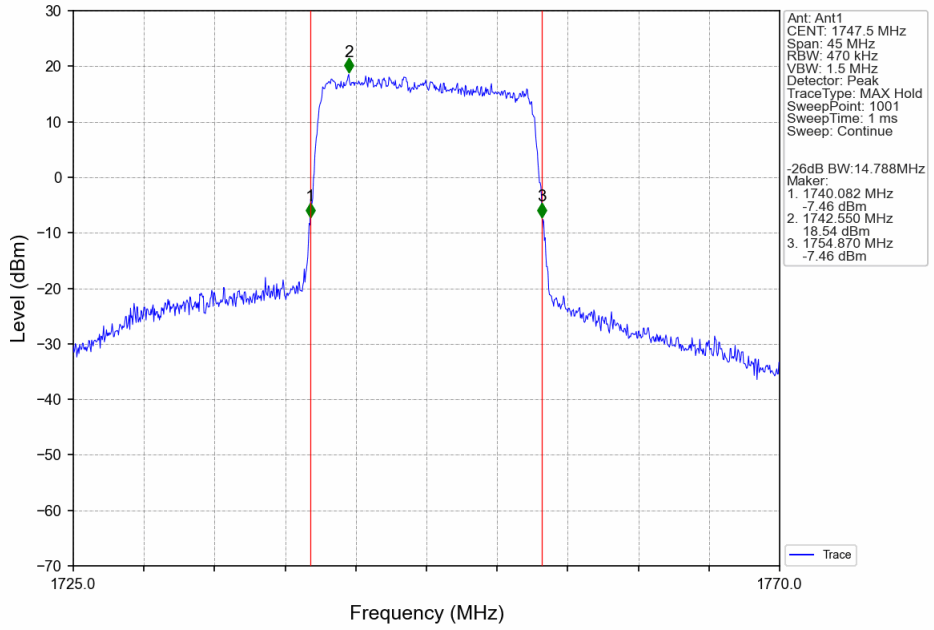
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



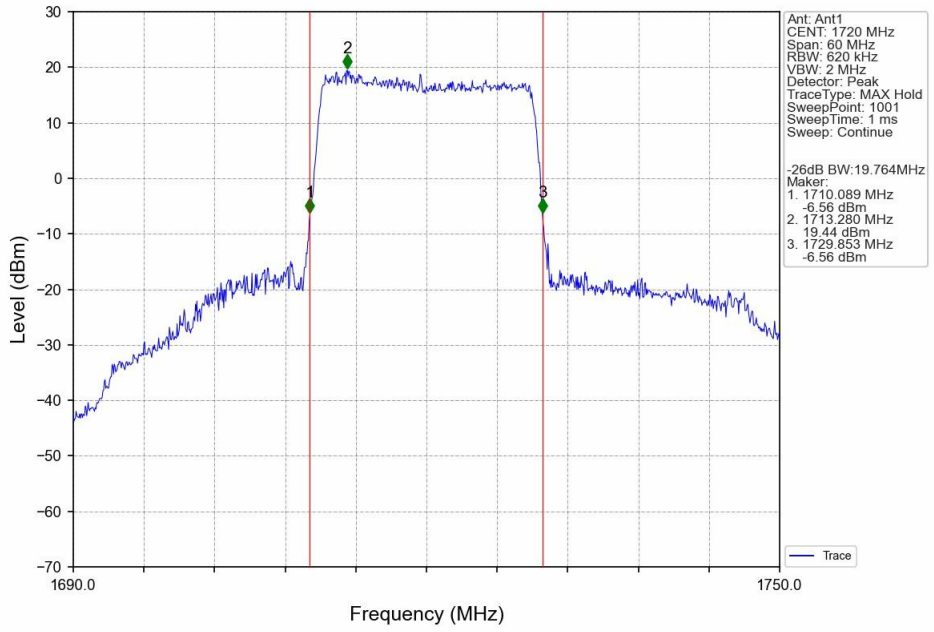
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



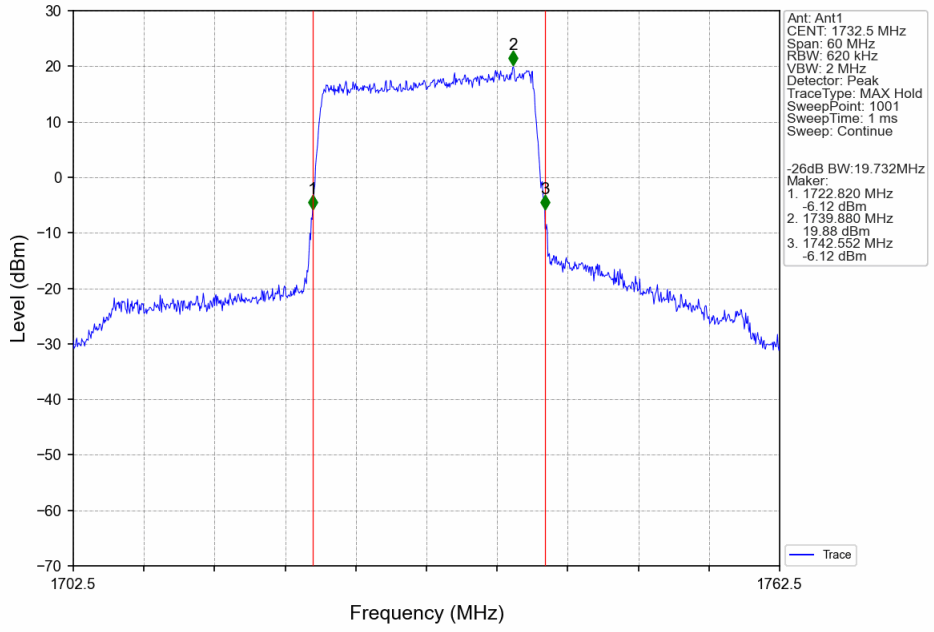
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



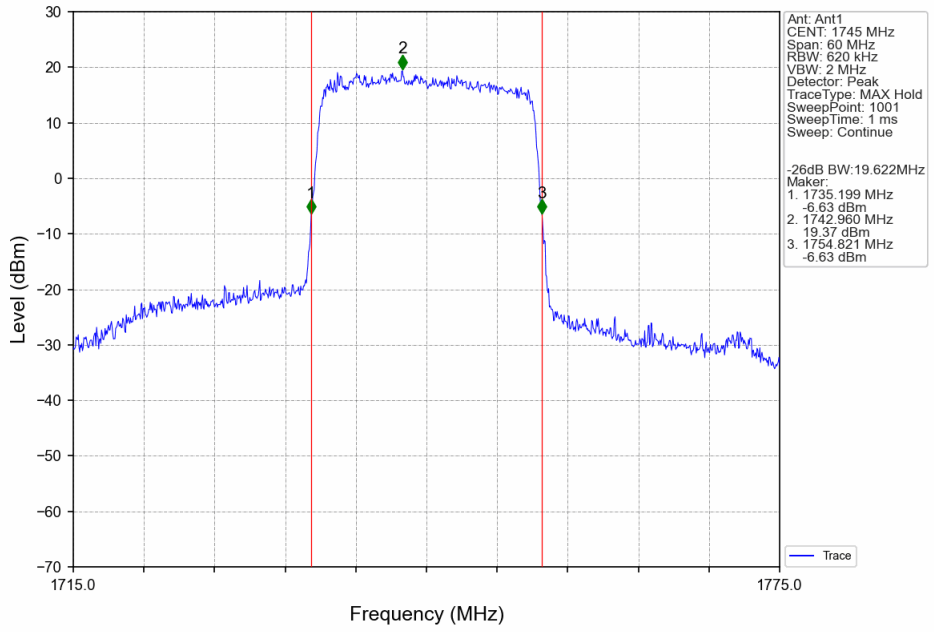
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



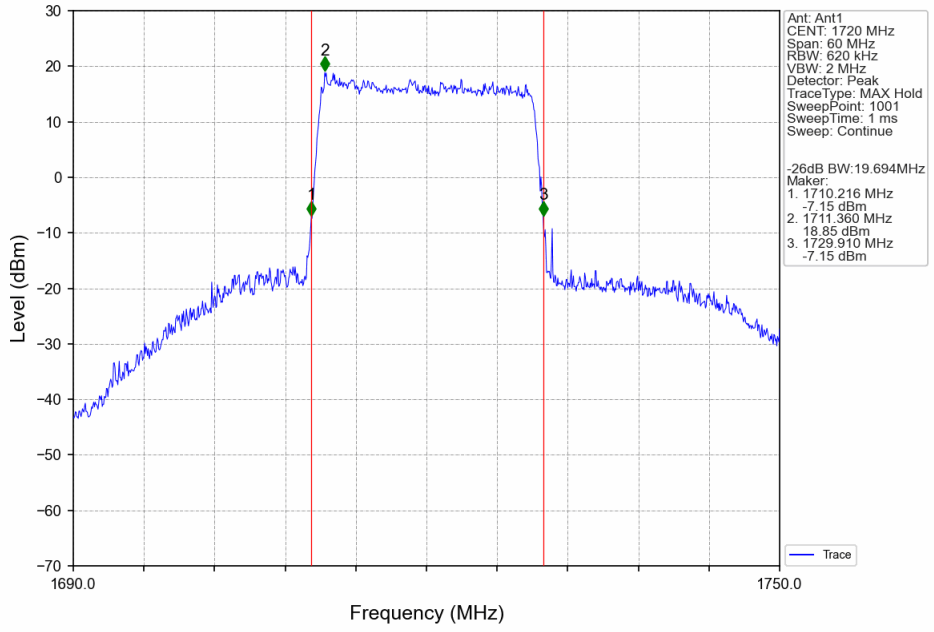
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



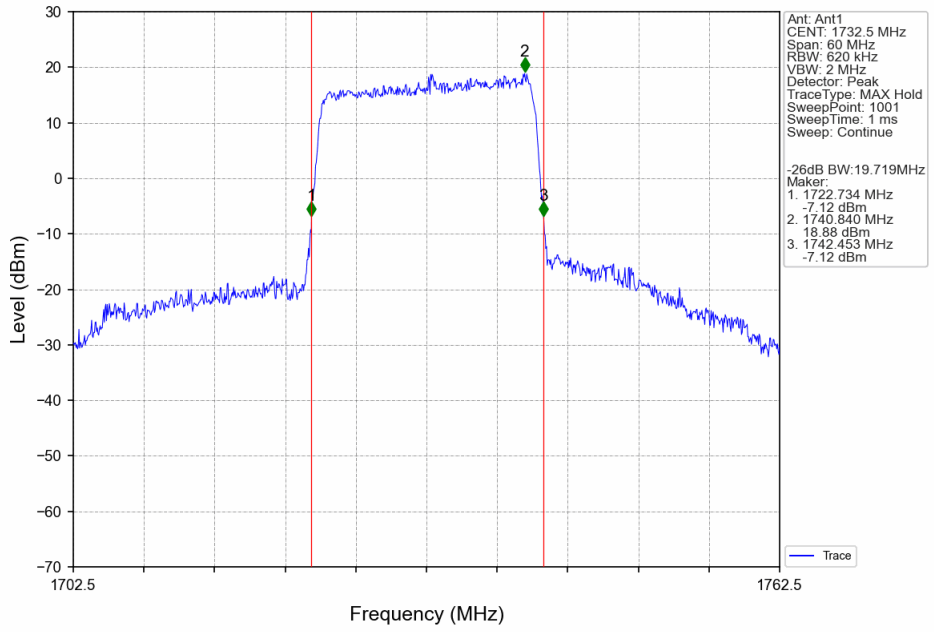
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



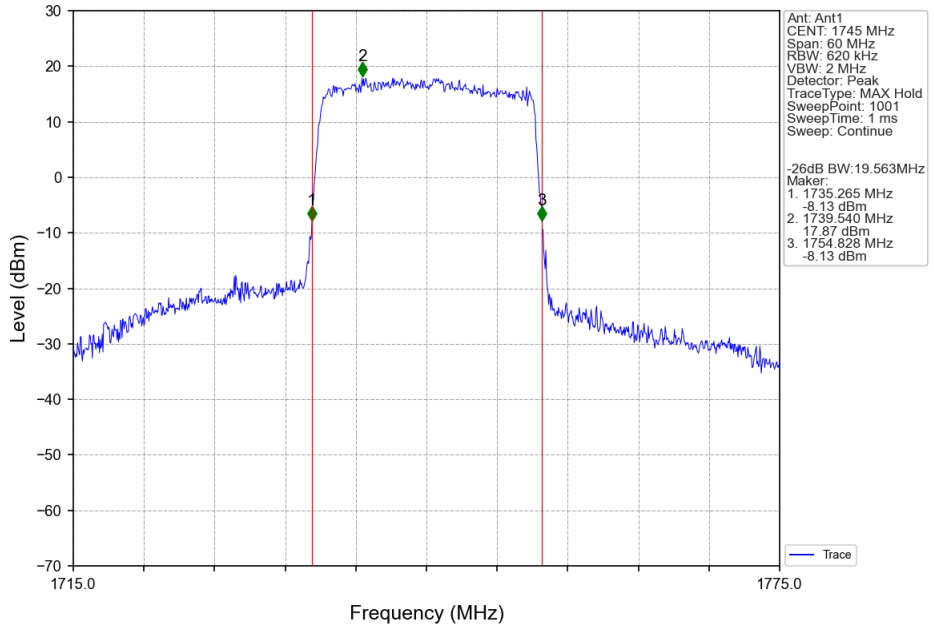
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.27	<=13	Pass
	1732.5	6	0	5.29	<=13	Pass
	1754.3	6	0	5.50	<=13	Pass
16QAM	1710.7	6	0	6.08	<=13	Pass
	1732.5	6	0	6.18	<=13	Pass
	1754.3	6	0	6.31	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.54	<=13	Pass
	1732.5	15	0	5.43	<=13	Pass
	1753.5	15	0	5.56	<=13	Pass
16QAM	1711.5	15	0	6.35	<=13	Pass
	1732.5	15	0	6.27	<=13	Pass
	1753.5	15	0	6.55	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.71	<=13	Pass
	1732.5	25	0	5.67	<=13	Pass
	1752.5	25	0	5.79	<=13	Pass
16QAM	1712.5	25	0	6.38	<=13	Pass
	1732.5	25	0	6.43	<=13	Pass
	1752.5	25	0	6.51	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.72	<=13	Pass
	1732.5	50	0	5.64	<=13	Pass
	1750	50	0	5.64	<=13	Pass
16QAM	1715	50	0	6.43	<=13	Pass
	1732.5	50	0	6.42	<=13	Pass
	1750	50	0	6.44	<=13	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	6.02	<=13	Pass
	1732.5	75	0	5.98	<=13	Pass
	1747.5	75	0	5.86	<=13	Pass
16QAM	1717.5	75	0	6.52	<=13	Pass
	1732.5	75	0	6.50	<=13	Pass
	1747.5	75	0	6.38	<=13	Pass

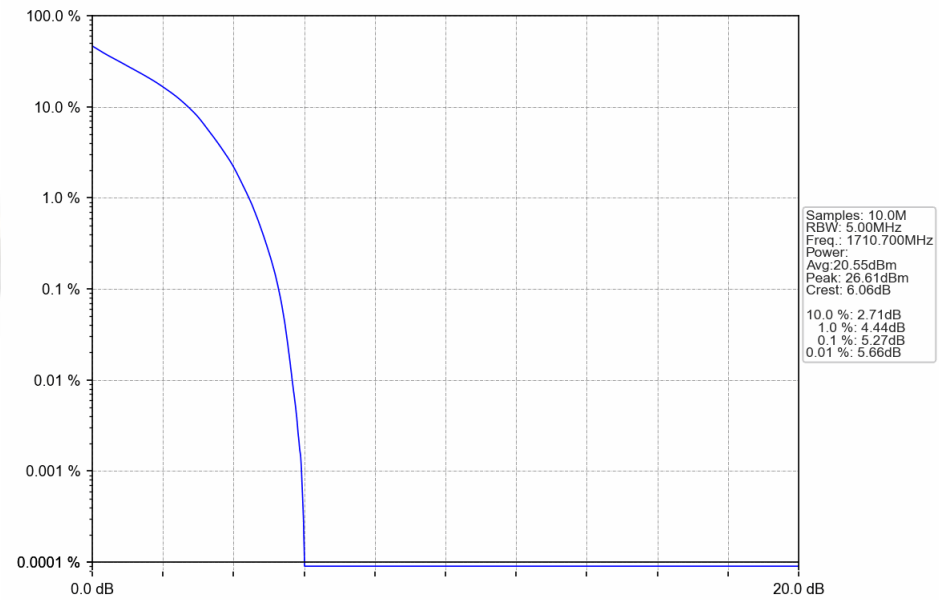
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.76	<=13	Pass
	1732.5	100	0	5.69	<=13	Pass
	1745	100	0	5.42	<=13	Pass
16QAM	1720	100	0	6.44	<=13	Pass
	1732.5	100	0	6.43	<=13	Pass
	1745	100	0	6.27	<=13	Pass

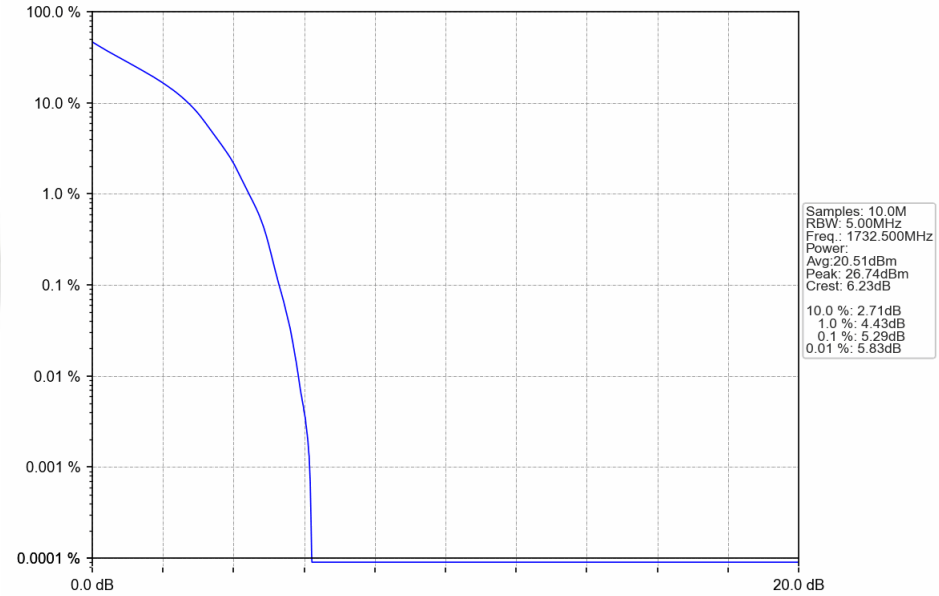
5.2 Test Graph

5.2.1 B4_1.4MHz

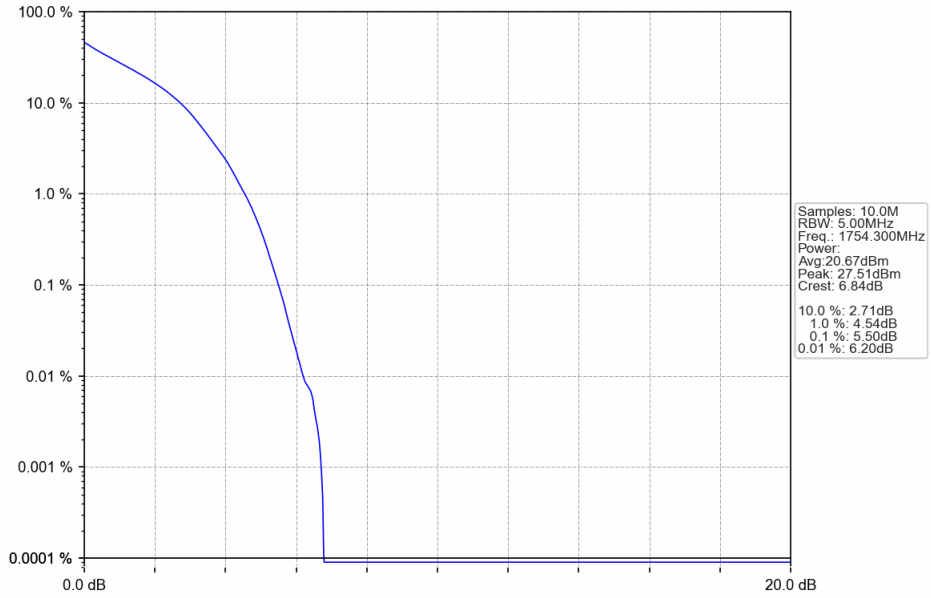
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



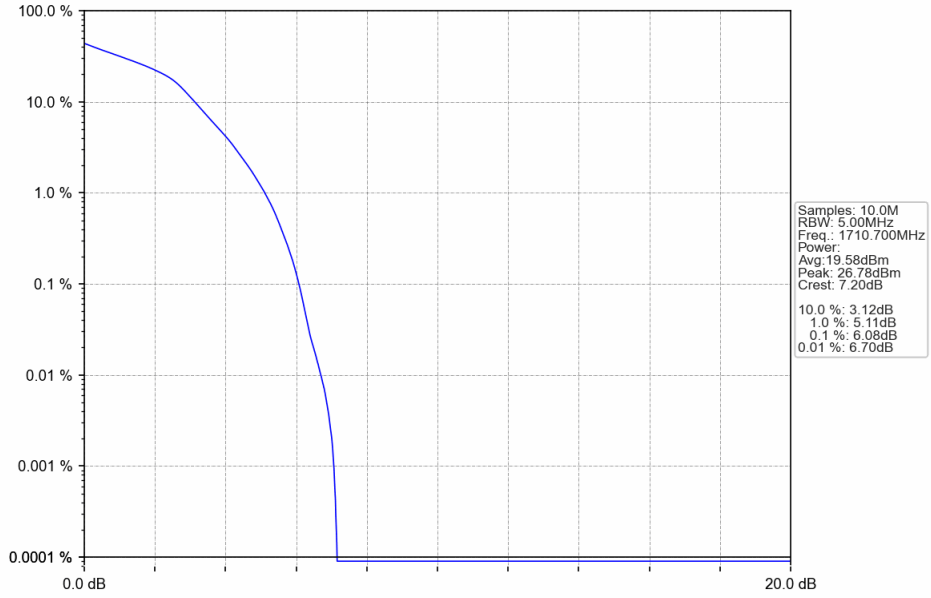
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



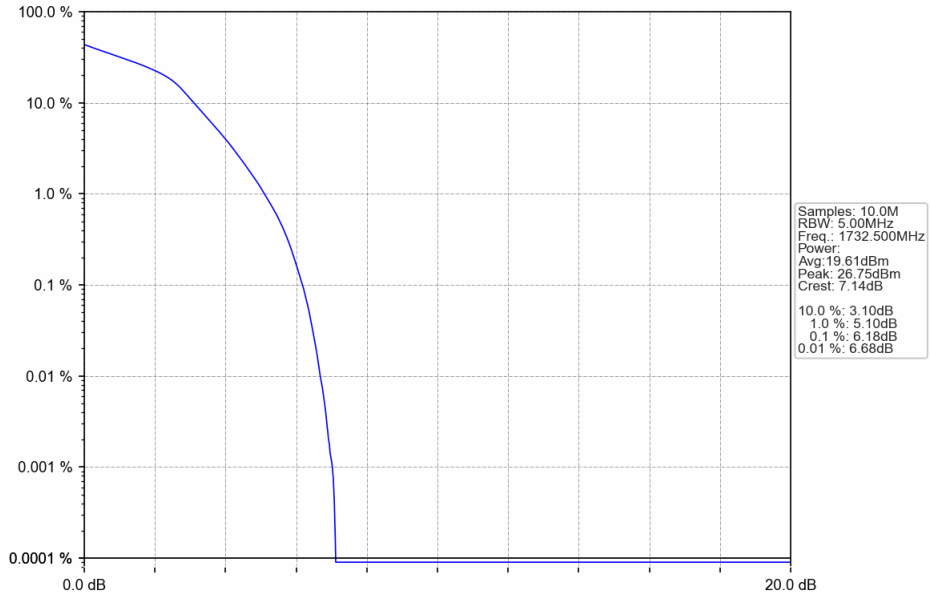
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



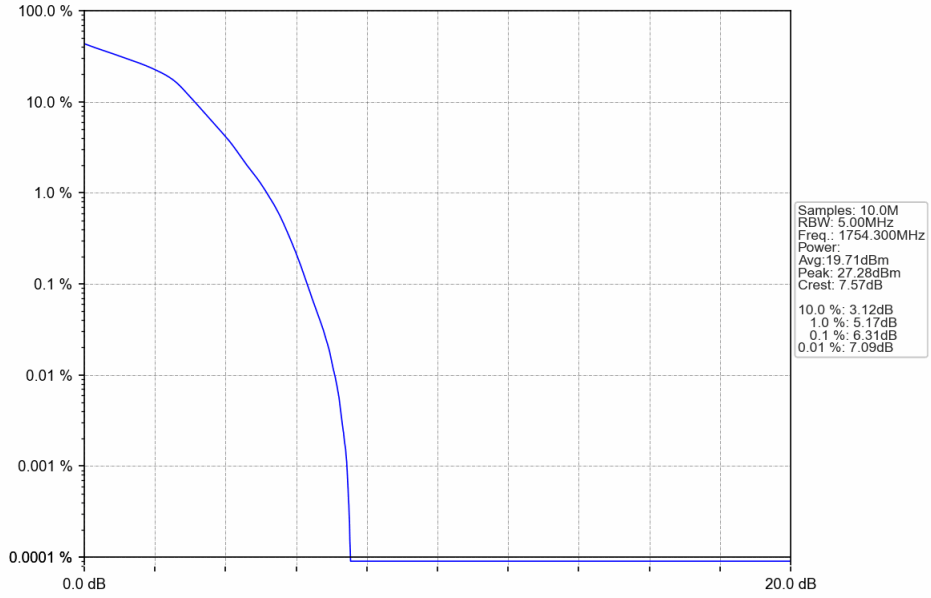
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

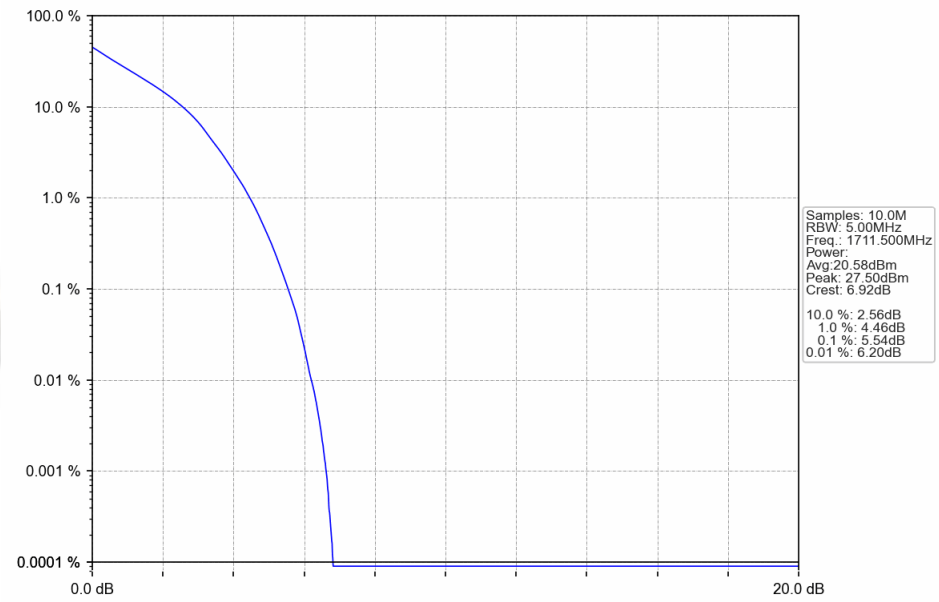


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

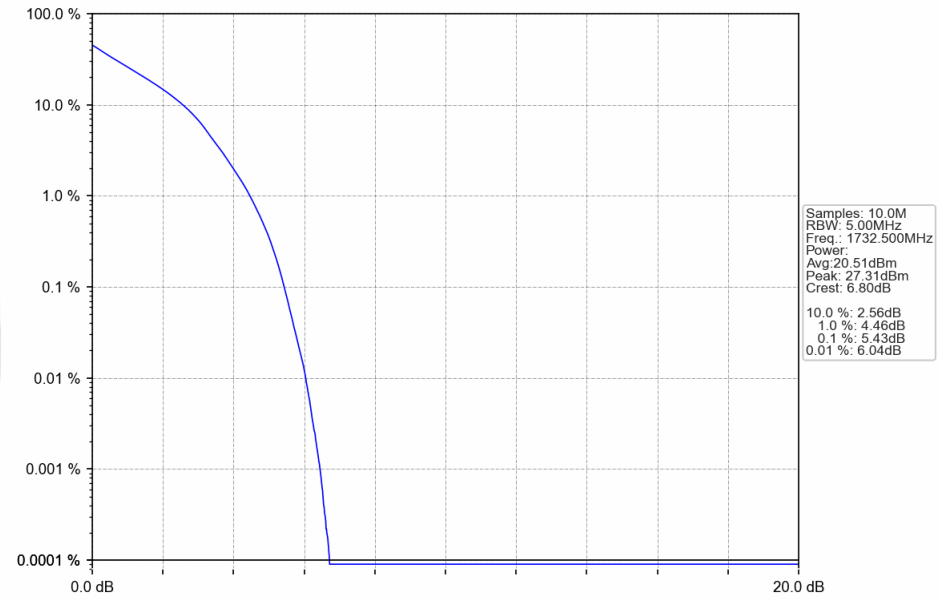


5.2.2 B4_3MHz

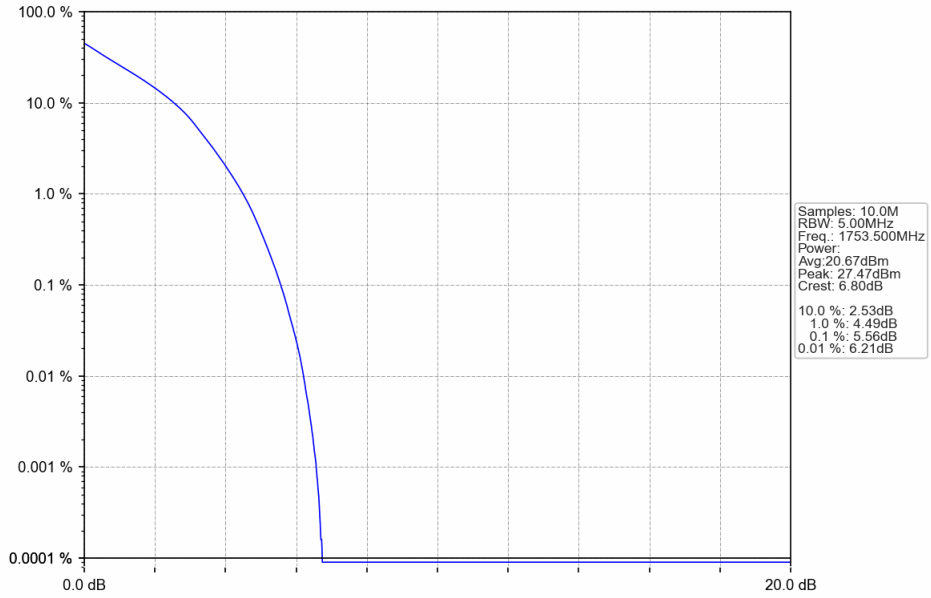
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



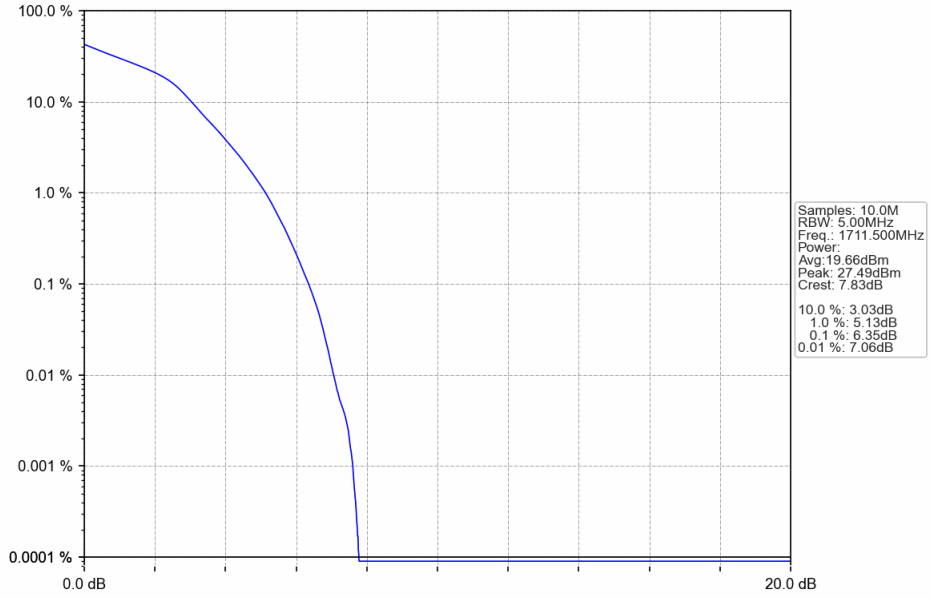
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



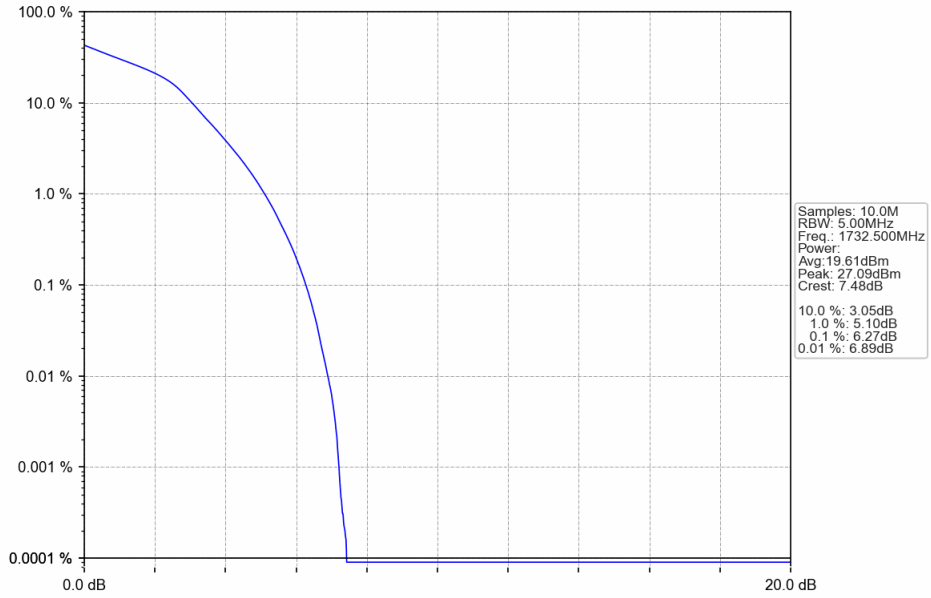
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



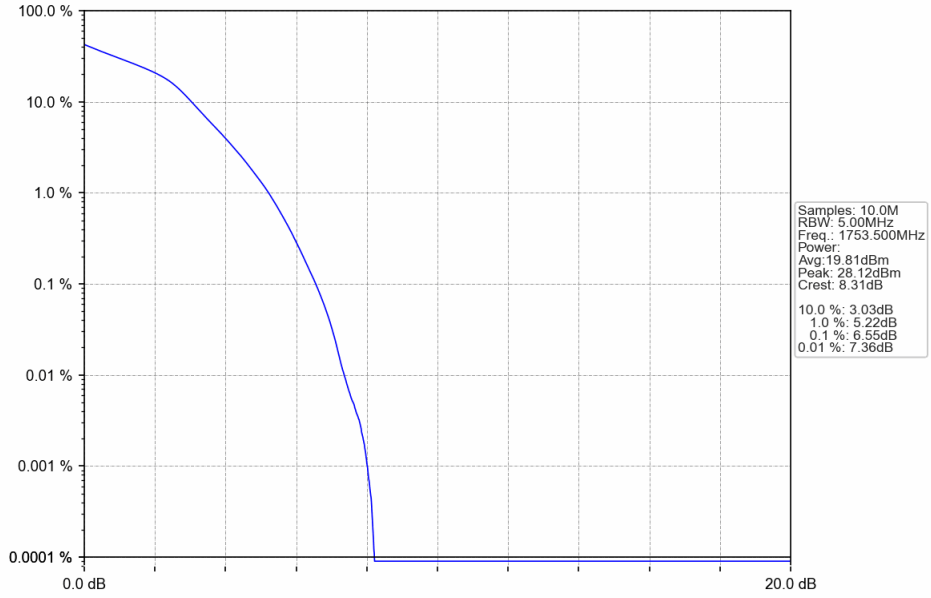
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

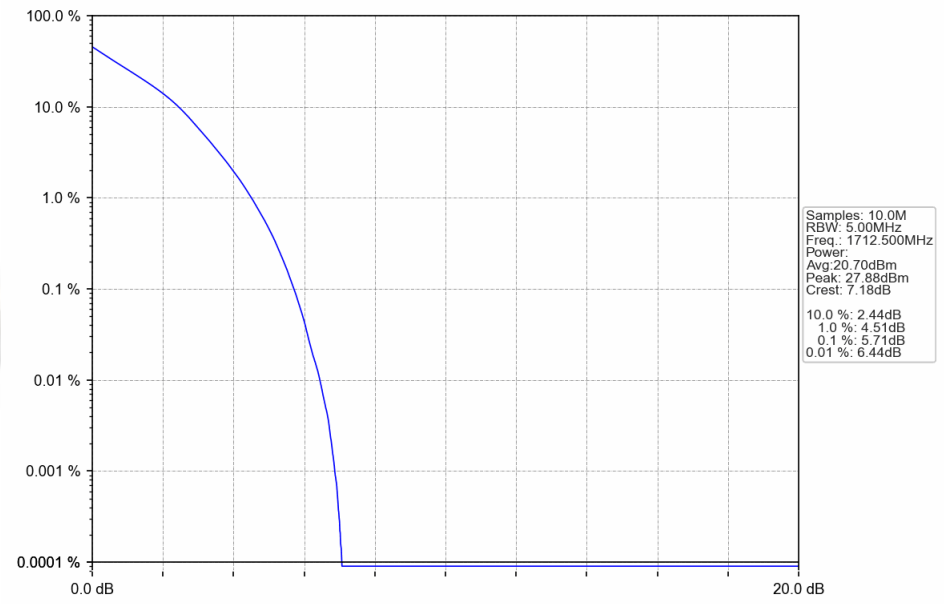


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

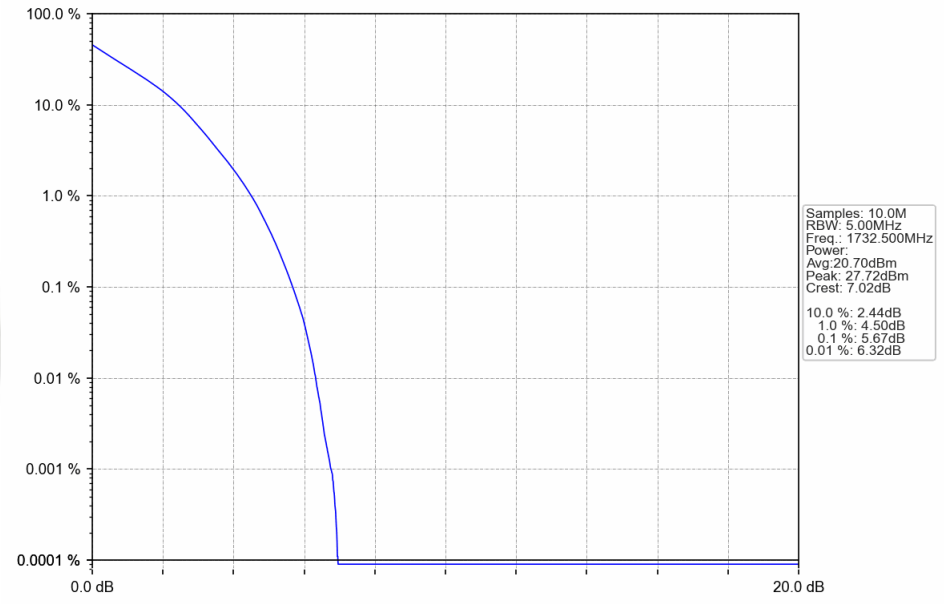


5.2.3 B4_5MHz

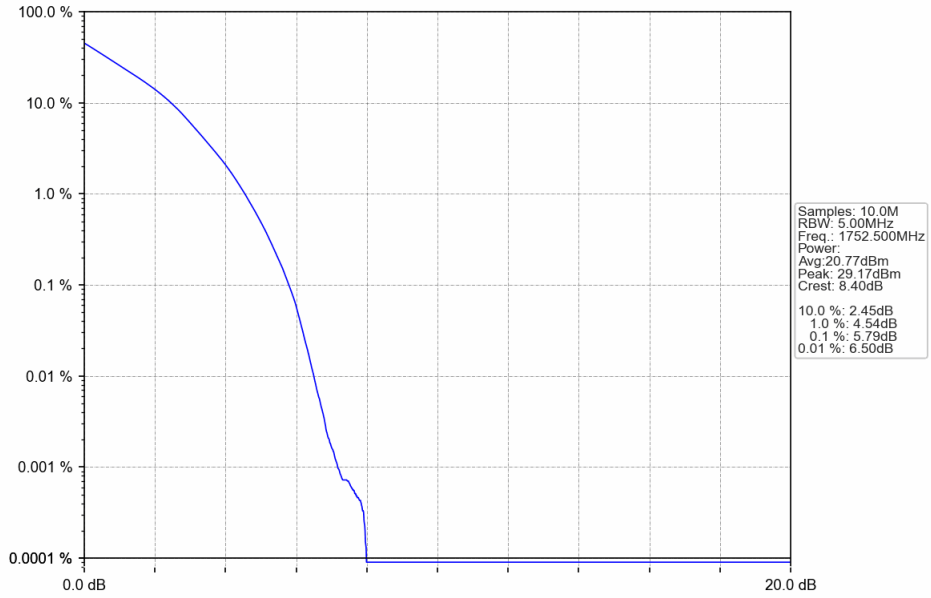
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



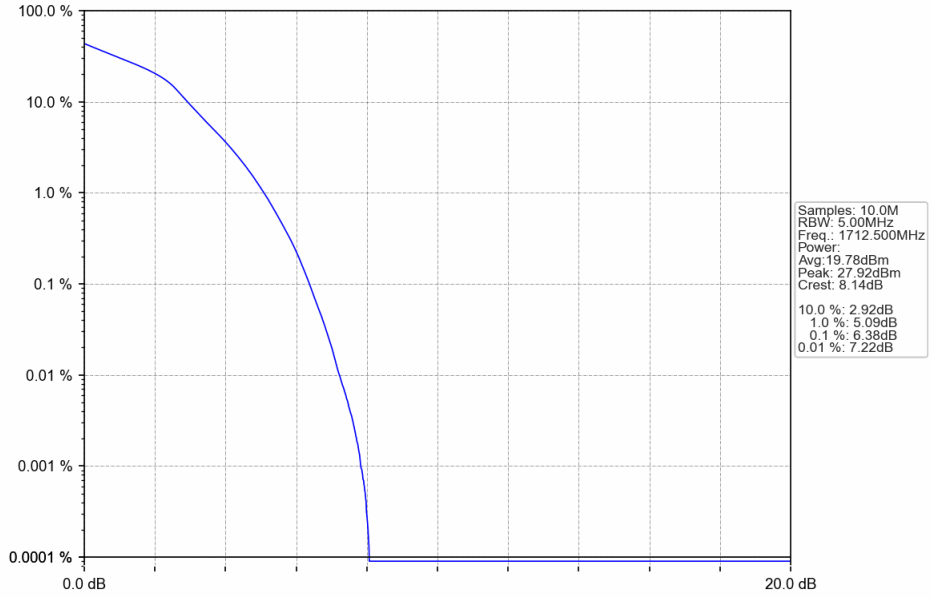
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



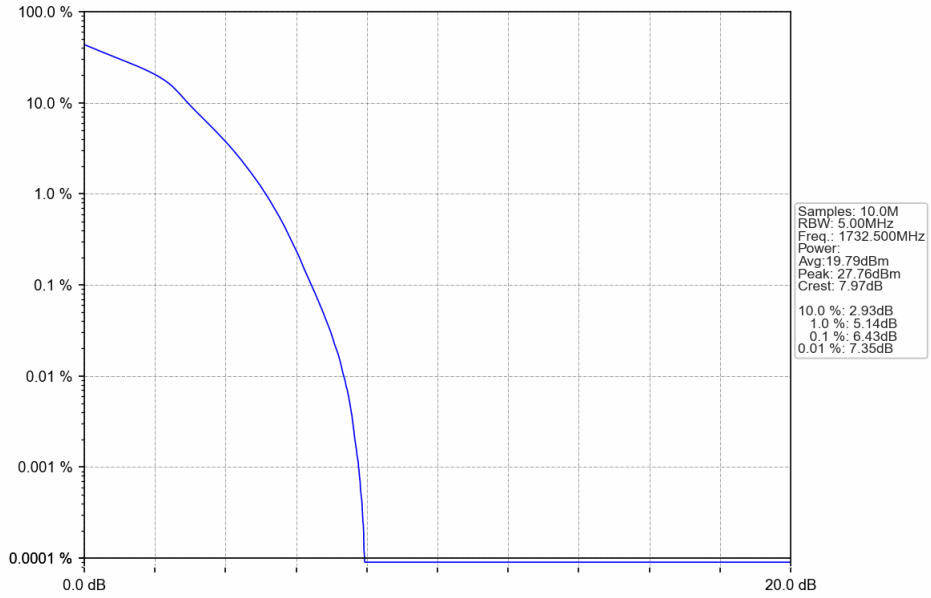
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



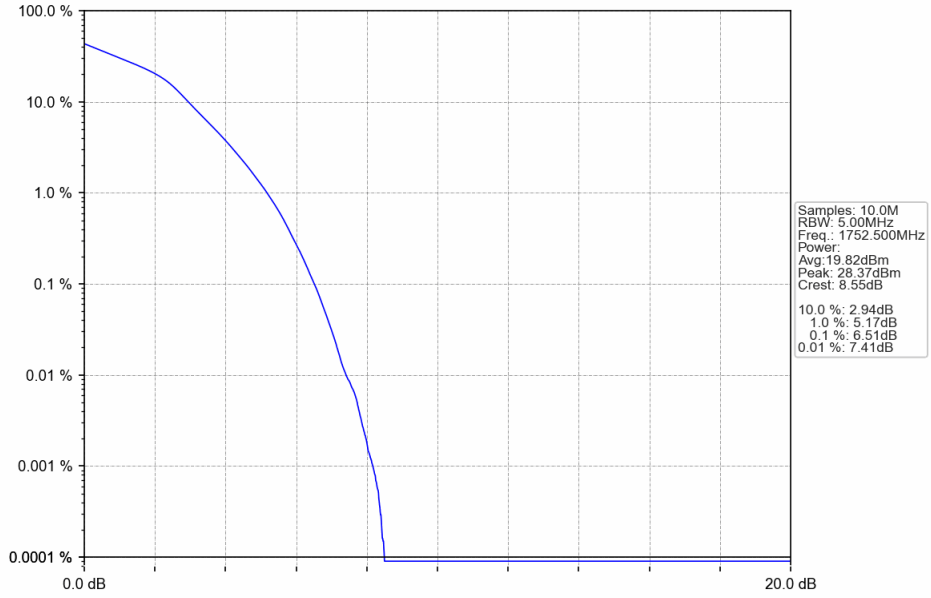
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

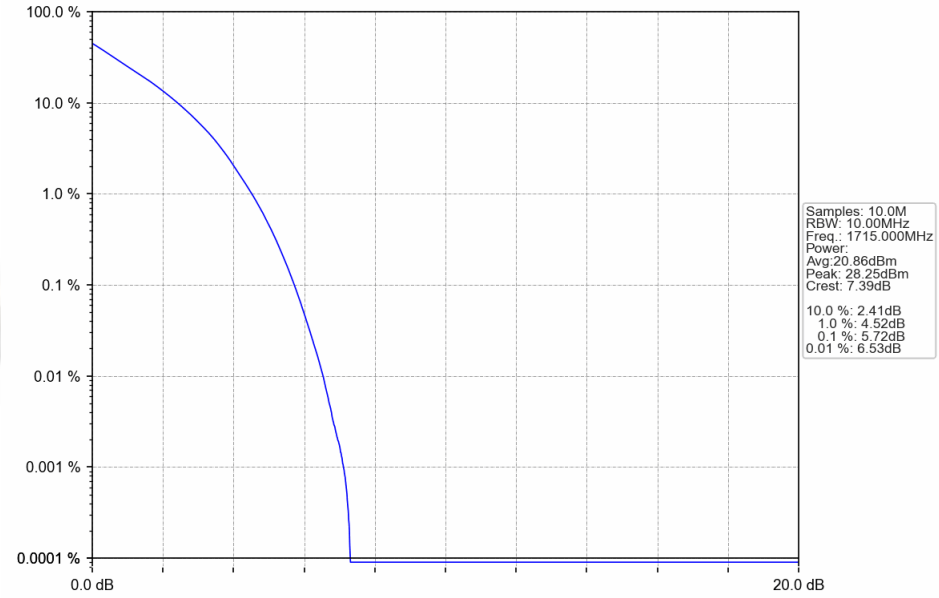


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

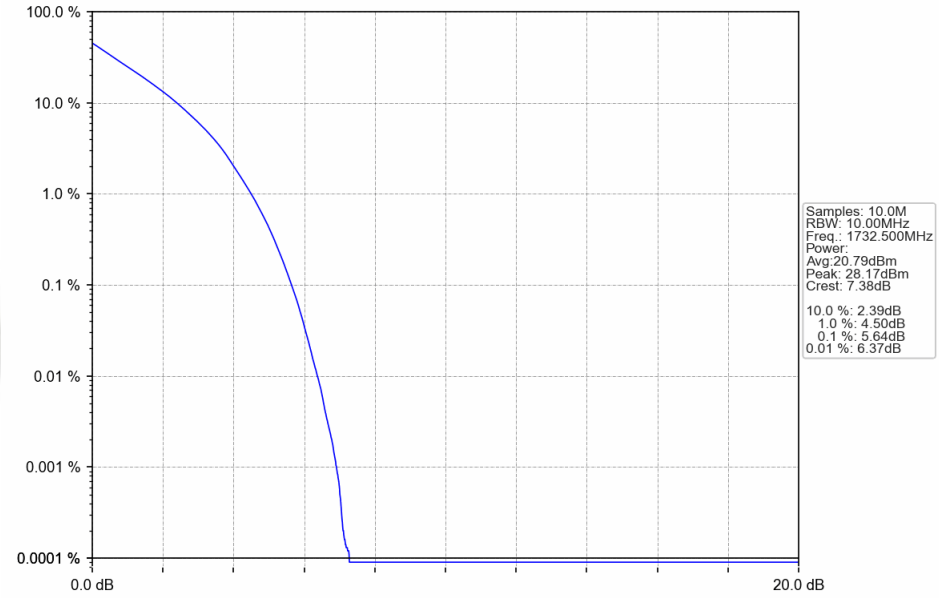


5.2.4 B4_10MHz

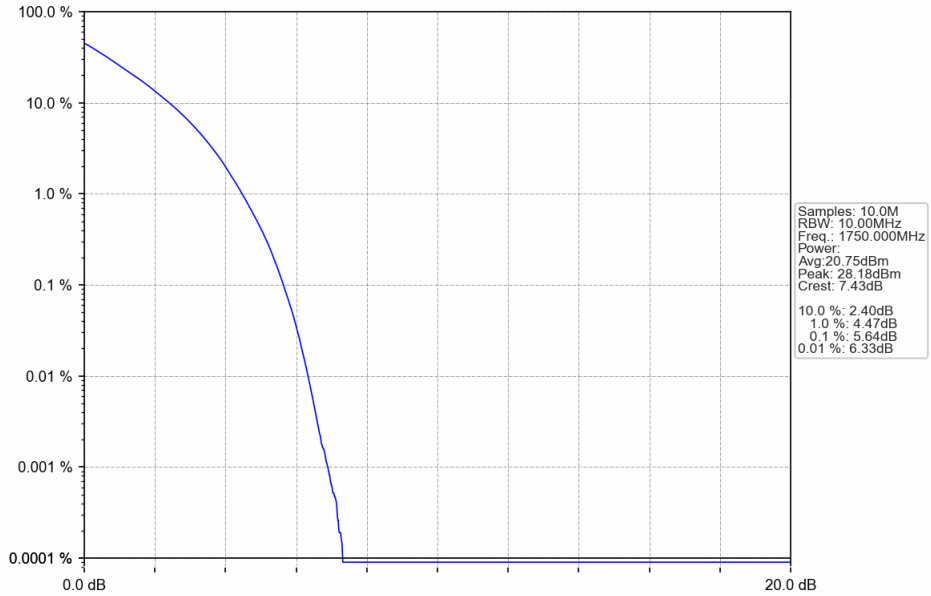
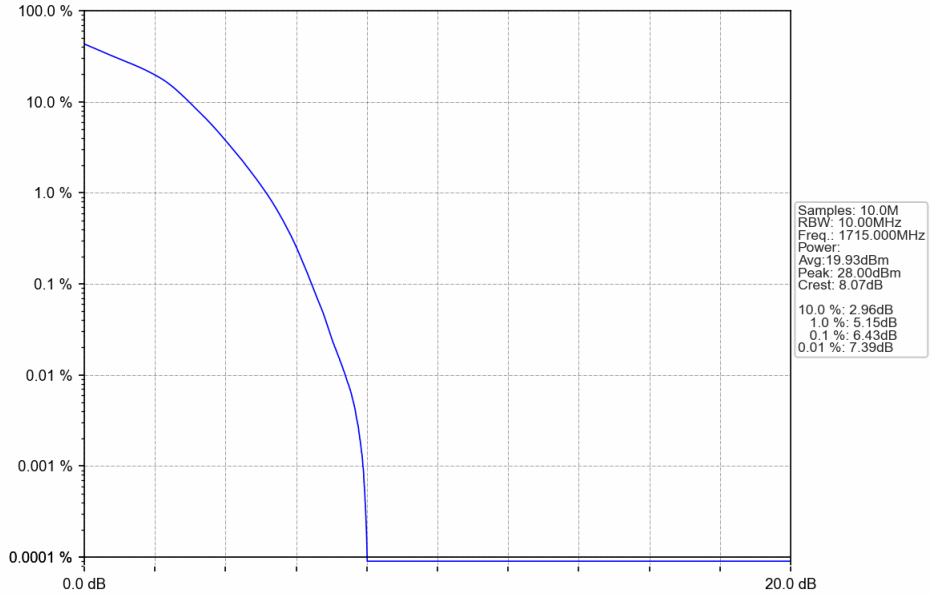
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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