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	21.61	-1.1	20.51	<=30	Pass
			2	21.63	-1.1	20.53	<=30	Pass
			5	21.69	-1.1	20.59	<=30	Pass
		3	0	21.67	-1.1	20.57	<=30	Pass
			2	21.69	-1.1	20.59	<=30	Pass
			3	21.62	-1.1	20.52	<=30	Pass
		6	0	20.78	-1.1	19.68	<=30	Pass
	1732.5	1	0	21.97	-1.1	20.87	<=30	Pass
			2	22.01	-1.1	20.91	<=30	Pass
			5	21.95	-1.1	20.85	<=30	Pass
		3	0	21.86	-1.1	20.76	<=30	Pass
			2	21.90	-1.1	20.80	<=30	Pass
			3	21.82	-1.1	20.72	<=30	Pass
		6	0	20.87	-1.1	19.77	<=30	Pass
	1754.3	1	0	21.92	-1.1	20.82	<=30	Pass
			2	21.98	-1.1	20.88	<=30	Pass
			5	21.96	-1.1	20.86	<=30	Pass
		3	0	21.76	-1.1	20.66	<=30	Pass
			2	21.80	-1.1	20.70	<=30	Pass
			3	21.80	-1.1	20.70	<=30	Pass
		6	0	20.74	-1.1	19.64	<=30	Pass
16QAM	1710.7	1	0	20.72	-1.1	19.62	<=30	Pass
			2	20.72	-1.1	19.62	<=30	Pass
			5	20.74	-1.1	19.64	<=30	Pass
		3	0	20.66	-1.1	19.56	<=30	Pass
			2	20.54	-1.1	19.44	<=30	Pass
			3	20.50	-1.1	19.40	<=30	Pass
		6	0	19.78	-1.1	18.68	<=30	Pass
	1732.5	1	0	21.32	-1.1	20.22	<=30	Pass
			2	21.34	-1.1	20.24	<=30	Pass
			5	21.34	-1.1	20.24	<=30	Pass
		3	0	20.67	-1.1	19.57	<=30	Pass
			2	20.68	-1.1	19.58	<=30	Pass
			3	20.70	-1.1	19.60	<=30	Pass
		6	0	19.87	-1.1	18.77	<=30	Pass
	1754.3	1	0	20.91	-1.1	19.81	<=30	Pass
			2	20.87	-1.1	19.77	<=30	Pass
			5	20.91	-1.1	19.81	<=30	Pass
		3	0	20.34	-1.1	19.24	<=30	Pass
			2	20.37	-1.1	19.27	<=30	Pass
			3	20.38	-1.1	19.28	<=30	Pass
		6	0	20.43	-1.1	19.33	<=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	21.72	-1.1	20.62	<=30	Pass
			7	21.77	-1.1	20.67	<=30	Pass
			14	21.69	-1.1	20.59	<=30	Pass
		8	0	20.81	-1.1	19.71	<=30	Pass
			4	20.74	-1.1	19.64	<=30	Pass
			7	20.68	-1.1	19.58	<=30	Pass
		15	0	20.79	-1.1	19.69	<=30	Pass
	1732.5	1	0	21.80	-1.1	20.70	<=30	Pass
			7	21.77	-1.1	20.67	<=30	Pass
			14	21.74	-1.1	20.64	<=30	Pass
		8	0	20.82	-1.1	19.72	<=30	Pass
			4	20.88	-1.1	19.78	<=30	Pass
			7	20.86	-1.1	19.76	<=30	Pass
		15	0	20.83	-1.1	19.73	<=30	Pass
	1753.5	1	0	21.72	-1.1	20.62	<=30	Pass
			7	21.72	-1.1	20.62	<=30	Pass
			14	21.77	-1.1	20.67	<=30	Pass
		8	0	20.79	-1.1	19.69	<=30	Pass
			4	20.73	-1.1	19.63	<=30	Pass
			7	20.85	-1.1	19.75	<=30	Pass
		15	0	20.83	-1.1	19.73	<=30	Pass
16QAM	1711.5	1	0	21.21	-1.1	20.11	<=30	Pass
			7	21.21	-1.1	20.11	<=30	Pass
			14	21.22	-1.1	20.12	<=30	Pass
		8	0	19.90	-1.1	18.80	<=30	Pass
			4	19.96	-1.1	18.86	<=30	Pass
			7	19.88	-1.1	18.78	<=30	Pass
		15	0	19.75	-1.1	18.65	<=30	Pass
	1732.5	1	0	21.02	-1.1	19.92	<=30	Pass
			7	20.96	-1.1	19.86	<=30	Pass
			14	20.94	-1.1	19.84	<=30	Pass
		8	0	20.07	-1.1	18.97	<=30	Pass
			4	20.01	-1.1	18.91	<=30	Pass
			7	19.98	-1.1	18.88	<=30	Pass
		15	0	19.91	-1.1	18.81	<=30	Pass
	1753.5	1	0	21.74	-1.1	20.64	<=30	Pass
			7	21.77	-1.1	20.67	<=30	Pass
			14	21.84	-1.1	20.74	<=30	Pass
		8	0	19.96	-1.1	18.86	<=30	Pass
			4	19.99	-1.1	18.89	<=30	Pass
			7	20.28	-1.1	19.18	<=30	Pass
		15	0	19.95	-1.1	18.85	<=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	21.63	-1.1	20.53	<=30	Pass
			13	21.60	-1.1	20.50	<=30	Pass
			24	21.68	-1.1	20.58	<=30	Pass
		12	0	20.68	-1.1	19.58	<=30	Pass
			6	20.70	-1.1	19.60	<=30	Pass

			13	20.81	-1.1	19.71	<=30	Pass
		25	0	20.70	-1.1	19.60	<=30	Pass
	1732.5	1	0	21.69	-1.1	20.59	<=30	Pass
			13	21.68	-1.1	20.58	<=30	Pass
			24	21.71	-1.1	20.61	<=30	Pass
		12	0	20.92	-1.1	19.82	<=30	Pass
			6	20.88	-1.1	19.78	<=30	Pass
			13	20.89	-1.1	19.79	<=30	Pass
		25	0	20.97	-1.1	19.87	<=30	Pass
	1752.5	1	0	21.72	-1.1	20.62	<=30	Pass
			13	21.70	-1.1	20.60	<=30	Pass
			24	21.76	-1.1	20.66	<=30	Pass
		12	0	20.95	-1.1	19.85	<=30	Pass
			6	20.87	-1.1	19.77	<=30	Pass
			13	20.75	-1.1	19.65	<=30	Pass
		25	0	20.86	-1.1	19.76	<=30	Pass
16QAM	1712.5	1	0	20.77	-1.1	19.67	<=30	Pass
			13	20.70	-1.1	19.60	<=30	Pass
			24	20.75	-1.1	19.65	<=30	Pass
		12	0	19.71	-1.1	18.61	<=30	Pass
			6	19.66	-1.1	18.56	<=30	Pass
			13	19.66	-1.1	18.56	<=30	Pass
		25	0	19.81	-1.1	18.71	<=30	Pass
	1732.5	1	0	21.43	-1.1	20.33	<=30	Pass
			13	21.49	-1.1	20.39	<=30	Pass
			24	21.52	-1.1	20.42	<=30	Pass
		12	0	20.06	-1.1	18.96	<=30	Pass
			6	20.01	-1.1	18.91	<=30	Pass
			13	20.03	-1.1	18.93	<=30	Pass
		25	0	19.98	-1.1	18.88	<=30	Pass
	1752.5	1	0	21.32	-1.1	20.22	<=30	Pass
			13	21.24	-1.1	20.14	<=30	Pass
			24	21.26	-1.1	20.16	<=30	Pass
		12	0	19.81	-1.1	18.71	<=30	Pass
			6	19.84	-1.1	18.74	<=30	Pass
			13	19.86	-1.1	18.76	<=30	Pass
		25	0	19.98	-1.1	18.88	<=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	21.64	-1.1	20.54	<=30	Pass
			25	21.69	-1.1	20.59	<=30	Pass
			49	21.72	-1.1	20.62	<=30	Pass
		25	0	20.74	-1.1	19.64	<=30	Pass
			13	20.75	-1.1	19.65	<=30	Pass
			25	20.82	-1.1	19.72	<=30	Pass
		50	0	20.66	-1.1	19.56	<=30	Pass
	1732.5	1	0	21.79	-1.1	20.69	<=30	Pass
			25	21.79	-1.1	20.69	<=30	Pass
			49	21.82	-1.1	20.72	<=30	Pass
		25	0	20.92	-1.1	19.82	<=30	Pass
			13	21.04	-1.1	19.94	<=30	Pass
			25	20.77	-1.1	19.67	<=30	Pass
		50	0	21.05	-1.1	19.95	<=30	Pass

	1750	1	0	21.98	-1.1	20.88	<=30	Pass
			25	21.91	-1.1	20.81	<=30	Pass
			49	21.92	-1.1	20.82	<=30	Pass
		25	0	21.11	-1.1	20.01	<=30	Pass
			13	20.86	-1.1	19.76	<=30	Pass
			25	20.95	-1.1	19.85	<=30	Pass
		50	0	20.92	-1.1	19.82	<=30	Pass
16QAM	1715	1	0	20.98	-1.1	19.88	<=30	Pass
			25	20.98	-1.1	19.88	<=30	Pass
			49	21.01	-1.1	19.91	<=30	Pass
		25	0	19.76	-1.1	18.66	<=30	Pass
			13	20.16	-1.1	19.06	<=30	Pass
			25	20.10	-1.1	19.00	<=30	Pass
		50	0	20.16	-1.1	19.06	<=30	Pass
	1732.5	1	0	21.00	-1.1	19.90	<=30	Pass
			25	21.01	-1.1	19.91	<=30	Pass
			49	21.10	-1.1	20.00	<=30	Pass
		25	0	20.06	-1.1	18.96	<=30	Pass
			13	19.99	-1.1	18.89	<=30	Pass
			25	20.04	-1.1	18.94	<=30	Pass
		50	0	20.02	-1.1	18.92	<=30	Pass
	1750	1	0	21.88	-1.1	20.78	<=30	Pass
			25	21.91	-1.1	20.81	<=30	Pass
			49	21.83	-1.1	20.73	<=30	Pass
		25	0	20.32	-1.1	19.22	<=30	Pass
			13	20.03	-1.1	18.93	<=30	Pass
			25	20.00	-1.1	18.90	<=30	Pass
		50	0	19.97	-1.1	18.87	<=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	21.63	-1.1	20.53	<=30	Pass
			38	21.67	-1.1	20.57	<=30	Pass
			74	21.82	-1.1	20.72	<=30	Pass
		36	0	20.66	-1.1	19.56	<=30	Pass
			18	20.69	-1.1	19.59	<=30	Pass
			39	20.79	-1.1	19.69	<=30	Pass
		75	0	20.76	-1.1	19.66	<=30	Pass
	1732.5	1	0	21.77	-1.1	20.67	<=30	Pass
			38	21.76	-1.1	20.66	<=30	Pass
			74	21.84	-1.1	20.74	<=30	Pass
		36	0	20.95	-1.1	19.85	<=30	Pass
			18	21.04	-1.1	19.94	<=30	Pass
			39	20.94	-1.1	19.84	<=30	Pass
		75	0	21.02	-1.1	19.92	<=30	Pass
	1747.5	1	0	21.92	-1.1	20.82	<=30	Pass
			38	21.97	-1.1	20.87	<=30	Pass
			74	21.92	-1.1	20.82	<=30	Pass
		36	0	20.93	-1.1	19.83	<=30	Pass
			18	21.12	-1.1	20.02	<=30	Pass
			39	20.79	-1.1	19.69	<=30	Pass
		75	0	21.22	-1.1	20.12	<=30	Pass
16QAM	1717.5	1	0	21.22	-1.1	20.12	<=30	Pass
			38	21.28	-1.1	20.18	<=30	Pass

			74	21.30	-1.1	20.20	<=30	Pass
		36	0	20.12	-1.1	19.02	<=30	Pass
			18	20.17	-1.1	19.07	<=30	Pass
			39	19.82	-1.1	18.72	<=30	Pass
		75	0	20.13	-1.1	19.03	<=30	Pass
	1732.5	1	0	21.31	-1.1	20.21	<=30	Pass
			38	21.44	-1.1	20.34	<=30	Pass
			74	21.50	-1.1	20.40	<=30	Pass
		36	0	20.04	-1.1	18.94	<=30	Pass
			18	20.04	-1.1	18.94	<=30	Pass
			39	20.35	-1.1	19.25	<=30	Pass
		75	0	19.90	-1.1	18.80	<=30	Pass
	1747.5	1	0	21.89	-1.1	20.79	<=30	Pass
			38	22.13	-1.1	21.03	<=30	Pass
			74	21.83	-1.1	20.73	<=30	Pass
		36	0	19.98	-1.1	18.88	<=30	Pass
			18	20.32	-1.1	19.22	<=30	Pass
			39	19.97	-1.1	18.87	<=30	Pass
		75	0	20.26	-1.1	19.16	<=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	21.64	-1.1	20.54	<=30	Pass
			50	21.67	-1.1	20.57	<=30	Pass
			99	21.83	-1.1	20.73	<=30	Pass
		50	0	20.61	-1.1	19.51	<=30	Pass
			25	20.66	-1.1	19.56	<=30	Pass
			50	20.83	-1.1	19.73	<=30	Pass
		100	0	20.57	-1.1	19.47	<=30	Pass
	1732.5	1	0	21.88	-1.1	20.78	<=30	Pass
			50	21.93	-1.1	20.83	<=30	Pass
			99	22.05	-1.1	20.95	<=30	Pass
		50	0	20.94	-1.1	19.84	<=30	Pass
			25	21.04	-1.1	19.94	<=30	Pass
			50	21.00	-1.1	19.90	<=30	Pass
		100	0	20.81	-1.1	19.71	<=30	Pass
	1745	1	0	22.02	-1.1	20.92	<=30	Pass
			50	21.99	-1.1	20.89	<=30	Pass
			99	21.93	-1.1	20.83	<=30	Pass
		50	0	21.00	-1.1	19.90	<=30	Pass
			25	21.01	-1.1	19.91	<=30	Pass
			50	20.87	-1.1	19.77	<=30	Pass
		100	0	20.94	-1.1	19.84	<=30	Pass
16QAM	1720	1	0	20.95	-1.1	19.85	<=30	Pass
			50	21.03	-1.1	19.93	<=30	Pass
			99	21.22	-1.1	20.12	<=30	Pass
		50	0	20.21	-1.1	19.11	<=30	Pass
			25	19.78	-1.1	18.68	<=30	Pass
			50	19.94	-1.1	18.84	<=30	Pass
		100	0	19.76	-1.1	18.66	<=30	Pass
	1732.5	1	0	21.43	-1.1	20.33	<=30	Pass
			50	21.46	-1.1	20.36	<=30	Pass
			99	21.57	-1.1	20.47	<=30	Pass
		50	0	20.31	-1.1	19.21	<=30	Pass

			25	19.95	-1.1	18.85	<=30	Pass
			50	20.32	-1.1	19.22	<=30	Pass
		100	0	19.97	-1.1	18.87	<=30	Pass
	1745	1	0	20.91	-1.1	19.81	<=30	Pass
			50	20.96	-1.1	19.86	<=30	Pass
			99	20.88	-1.1	19.78	<=30	Pass
		50	0	19.92	-1.1	18.82	<=30	Pass
			25	19.92	-1.1	18.82	<=30	Pass
			50	19.92	-1.1	18.82	<=30	Pass
		100	0	19.83	-1.1	18.73	<=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	-30.341	-0.0177	-2.5 to 2.5	Pass
					3.85	9.956	0.0058	-2.5 to 2.5	Pass
					4.43	16.408	0.0096	-2.5 to 2.5	Pass
				-30	3.85	13.118	0.0077	-2.5 to 2.5	Pass
				-20	3.85	43.359	0.0253	-2.5 to 2.5	Pass
				-10	3.85	13.962	0.0082	-2.5 to 2.5	Pass
				0	3.85	19.155	0.0112	-2.5 to 2.5	Pass
				10	3.85	29.182	0.0171	-2.5 to 2.5	Pass
				30	3.85	20.070	0.0117	-2.5 to 2.5	Pass
				40	3.85	23.832	0.0139	-2.5 to 2.5	Pass
				50	3.85	22.244	0.0130	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-39.082	-0.0226	-2.5 to 2.5	Pass
					3.85	-9.470	-0.0055	-2.5 to 2.5	Pass
					4.43	16.694	0.0096	-2.5 to 2.5	Pass
				-30	3.85	30.141	0.0174	-2.5 to 2.5	Pass
				-20	3.85	3.648	0.0021	-2.5 to 2.5	Pass
				-10	3.85	38.881	0.0224	-2.5 to 2.5	Pass
				0	3.85	41.971	0.0242	-2.5 to 2.5	Pass
				10	3.85	6.938	0.0040	-2.5 to 2.5	Pass
				30	3.85	5.908	0.0034	-2.5 to 2.5	Pass
				40	3.85	22.044	0.0127	-2.5 to 2.5	Pass
				50	3.85	27.995	0.0162	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-27.323	-0.0156	-2.5 to 2.5	Pass
					3.85	-18.783	-0.0107	-2.5 to 2.5	Pass
					4.43	-9.913	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-20.542	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-37.794	-0.0215	-2.5 to 2.5	Pass
				-10	3.85	-20.943	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-29.426	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-41.285	-0.0235	-2.5 to 2.5	Pass
				30	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				40	3.85	-8.526	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-25.191	-0.0144	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	19.269	0.0113	-2.5 to 2.5	Pass
					3.85	24.276	0.0142	-2.5 to 2.5	Pass

					4.43	6.466	0.0038	-2.5 to 2.5	Pass
				-30	3.85	25.778	0.0151	-2.5 to 2.5	Pass
				-20	3.85	8.926	0.0052	-2.5 to 2.5	Pass
				-10	3.85	20.757	0.0121	-2.5 to 2.5	Pass
				0	3.85	21.787	0.0127	-2.5 to 2.5	Pass
				10	3.85	9.084	0.0053	-2.5 to 2.5	Pass
				30	3.85	21.987	0.0129	-2.5 to 2.5	Pass
				40	3.85	10.128	0.0059	-2.5 to 2.5	Pass
				50	3.85	19.197	0.0112	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	20.056	0.0116	-2.5 to 2.5	Pass
					3.85	43.931	0.0254	-2.5 to 2.5	Pass
					4.43	15.407	0.0089	-2.5 to 2.5	Pass
				-30	3.85	10.357	0.0060	-2.5 to 2.5	Pass
				-20	3.85	28.954	0.0167	-2.5 to 2.5	Pass
				-10	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				0	3.85	14.949	0.0086	-2.5 to 2.5	Pass
				10	3.85	20.986	0.0121	-2.5 to 2.5	Pass
				30	3.85	22.960	0.0133	-2.5 to 2.5	Pass
				40	3.85	32.744	0.0189	-2.5 to 2.5	Pass
				50	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.977	-0.0023	-2.5 to 2.5	Pass
					3.85	-9.470	-0.0054	-2.5 to 2.5	Pass
					4.43	-30.828	-0.0176	-2.5 to 2.5	Pass
				-30	3.85	-16.994	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-32.272	-0.0184	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-9.727	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-14.491	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-31.686	-0.0181	-2.5 to 2.5	Pass
				50	3.85	-40.426	-0.0230	-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	-19.083	-0.0111	-2.5 to 2.5	Pass
					3.85	32.659	0.0191	-2.5 to 2.5	Pass
					4.43	13.304	0.0078	-2.5 to 2.5	Pass
				-30	3.85	32.873	0.0192	-2.5 to 2.5	Pass
				-20	3.85	24.018	0.0140	-2.5 to 2.5	Pass
				-10	3.85	21.114	0.0123	-2.5 to 2.5	Pass
				0	3.85	38.409	0.0224	-2.5 to 2.5	Pass
				10	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				30	3.85	36.936	0.0216	-2.5 to 2.5	Pass
				40	3.85	38.095	0.0223	-2.5 to 2.5	Pass
				50	3.85	35.963	0.0210	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-37.365	-0.0216	-2.5 to 2.5	Pass
					3.85	18.697	0.0108	-2.5 to 2.5	Pass
					4.43	12.345	0.0071	-2.5 to 2.5	Pass
				-30	3.85	25.992	0.0150	-2.5 to 2.5	Pass
				-20	3.85	26.336	0.0152	-2.5 to 2.5	Pass
				-10	3.85	27.394	0.0158	-2.5 to 2.5	Pass
				0	3.85	13.232	0.0076	-2.5 to 2.5	Pass
				10	3.85	25.463	0.0147	-2.5 to 2.5	Pass
				30	3.85	30.212	0.0174	-2.5 to 2.5	Pass
				40	3.85	31.500	0.0182	-2.5 to 2.5	Pass

				50	3.85	18.139	0.0105	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-26.007	-0.0148	-2.5 to 2.5	Pass
					3.85	4.821	0.0027	-2.5 to 2.5	Pass
					4.43	25.249	0.0144	-2.5 to 2.5	Pass
				-30	3.85	32.744	0.0187	-2.5 to 2.5	Pass
				-20	3.85	24.619	0.0140	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-16.980	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-30.127	-0.0172	-2.5 to 2.5	Pass
				30	3.85	-11.358	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-23.975	-0.0137	-2.5 to 2.5	Pass
				50	3.85	-27.523	-0.0157	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	15.192	0.0089	-2.5 to 2.5	Pass
					3.85	-17.037	-0.0100	-2.5 to 2.5	Pass
					4.43	-14.019	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	9.427	0.0055	-2.5 to 2.5	Pass
				-20	3.85	17.881	0.0104	-2.5 to 2.5	Pass
				-10	3.85	5.336	0.0031	-2.5 to 2.5	Pass
				0	3.85	24.390	0.0143	-2.5 to 2.5	Pass
				10	3.85	6.094	0.0036	-2.5 to 2.5	Pass
				30	3.85	24.304	0.0142	-2.5 to 2.5	Pass
				40	3.85	9.642	0.0056	-2.5 to 2.5	Pass
				50	3.85	10.200	0.0060	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	20.056	0.0116	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
					4.43	-7.997	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-18.210	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-19.155	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-23.503	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-17.996	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-14.305	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-15.864	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-15.421	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-9.556	-0.0055	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-29.783	-0.0170	-2.5 to 2.5	Pass
					3.85	-37.465	-0.0214	-2.5 to 2.5	Pass
					4.43	-32.387	-0.0185	-2.5 to 2.5	Pass
				-30	3.85	-47.550	-0.0271	-2.5 to 2.5	Pass
				-20	3.85	-14.048	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-8.783	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-10.514	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-30.441	-0.0174	-2.5 to 2.5	Pass
				30	3.85	-31.857	-0.0182	-2.5 to 2.5	Pass
				40	3.85	-14.377	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-17.910	-0.0102	-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	-6.294	-0.0037	-2.5 to 2.5	Pass
					3.85	21.372	0.0125	-2.5 to 2.5	Pass
					4.43	17.123	0.0100	-2.5 to 2.5	Pass
				-30	3.85	22.016	0.0129	-2.5 to 2.5	Pass
				-20	3.85	32.287	0.0189	-2.5 to 2.5	Pass
				-10	3.85	21.629	0.0126	-2.5 to 2.5	Pass
				0	3.85	29.068	0.0170	-2.5 to 2.5	Pass

				10	3.85	38.681	0.0226	-2.5 to 2.5	Pass
				30	3.85	18.225	0.0106	-2.5 to 2.5	Pass
				40	3.85	22.731	0.0133	-2.5 to 2.5	Pass
				50	3.85	35.977	0.0210	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-30.785	-0.0178	-2.5 to 2.5	Pass
					3.85	-14.720	-0.0085	-2.5 to 2.5	Pass
					4.43	26.279	0.0152	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				-20	3.85	29.111	0.0168	-2.5 to 2.5	Pass
				-10	3.85	26.178	0.0151	-2.5 to 2.5	Pass
				0	3.85	28.639	0.0165	-2.5 to 2.5	Pass
				10	3.85	10.500	0.0061	-2.5 to 2.5	Pass
				30	3.85	15.922	0.0092	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				50	3.85	21.658	0.0125	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-29.626	-0.0169	-2.5 to 2.5	Pass
					3.85	-22.144	-0.0126	-2.5 to 2.5	Pass
					4.43	-20.685	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-23.360	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-29.168	-0.0166	-2.5 to 2.5	Pass
				-10	3.85	-10.843	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-12.560	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-29.798	-0.0170	-2.5 to 2.5	Pass
				30	3.85	-23.189	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-36.778	-0.0210	-2.5 to 2.5	Pass
				50	3.85	-20.342	-0.0116	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-6.909	-0.0040	-2.5 to 2.5	Pass
					3.85	25.921	0.0151	-2.5 to 2.5	Pass
					4.43	28.009	0.0164	-2.5 to 2.5	Pass
				-30	3.85	37.622	0.0220	-2.5 to 2.5	Pass
				-20	3.85	5.493	0.0032	-2.5 to 2.5	Pass
				-10	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				0	3.85	14.548	0.0085	-2.5 to 2.5	Pass
				10	3.85	7.339	0.0043	-2.5 to 2.5	Pass
				30	3.85	12.646	0.0074	-2.5 to 2.5	Pass
				40	3.85	29.054	0.0170	-2.5 to 2.5	Pass
				50	3.85	14.763	0.0086	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	22.531	0.0130	-2.5 to 2.5	Pass
					3.85	15.936	0.0092	-2.5 to 2.5	Pass
					4.43	20.499	0.0118	-2.5 to 2.5	Pass
				-30	3.85	25.606	0.0148	-2.5 to 2.5	Pass
				-20	3.85	20.199	0.0117	-2.5 to 2.5	Pass
				-10	3.85	26.865	0.0155	-2.5 to 2.5	Pass
				0	3.85	33.202	0.0192	-2.5 to 2.5	Pass
				10	3.85	8.912	0.0051	-2.5 to 2.5	Pass
				30	3.85	6.008	0.0035	-2.5 to 2.5	Pass
				40	3.85	7.553	0.0044	-2.5 to 2.5	Pass
				50	3.85	7.224	0.0042	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-29.826	-0.0170	-2.5 to 2.5	Pass
					3.85	-18.024	-0.0103	-2.5 to 2.5	Pass
					4.43	-11.001	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-34.962	-0.0199	-2.5 to 2.5	Pass
				-20	3.85	9.542	0.0054	-2.5 to 2.5	Pass
				-10	3.85	-14.505	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-30.985	-0.0177	-2.5 to 2.5	Pass
				10	3.85	-7.067	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-27.123	-0.0155	-2.5 to 2.5	Pass
				40	3.85	-30.684	-0.0175	-2.5 to 2.5	Pass
				50	3.85	-14.491	-0.0083	-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	-11.902	-0.0069	-2.5 to 2.5	Pass
					3.85	28.710	0.0167	-2.5 to 2.5	Pass
					4.43	25.091	0.0146	-2.5 to 2.5	Pass
				-30	3.85	12.846	0.0075	-2.5 to 2.5	Pass
				-20	3.85	18.096	0.0106	-2.5 to 2.5	Pass
				-10	3.85	21.286	0.0124	-2.5 to 2.5	Pass
				0	3.85	18.339	0.0107	-2.5 to 2.5	Pass
				10	3.85	5.994	0.0035	-2.5 to 2.5	Pass
				30	3.85	31.543	0.0184	-2.5 to 2.5	Pass
				40	3.85	13.547	0.0079	-2.5 to 2.5	Pass
				50	3.85	33.460	0.0195	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-27.738	-0.0160	-2.5 to 2.5	Pass
					3.85	21.286	0.0123	-2.5 to 2.5	Pass
					4.43	6.981	0.0040	-2.5 to 2.5	Pass
				-30	3.85	20.971	0.0121	-2.5 to 2.5	Pass
				-20	3.85	11.630	0.0067	-2.5 to 2.5	Pass
				-10	3.85	12.803	0.0074	-2.5 to 2.5	Pass
				0	3.85	26.479	0.0153	-2.5 to 2.5	Pass
				10	3.85	23.246	0.0134	-2.5 to 2.5	Pass
				30	3.85	21.858	0.0126	-2.5 to 2.5	Pass
				40	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				50	3.85	14.205	0.0082	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-28.353	-0.0162	-2.5 to 2.5	Pass
					3.85	-30.541	-0.0175	-2.5 to 2.5	Pass
					4.43	-32.101	-0.0183	-2.5 to 2.5	Pass
				-30	3.85	-22.874	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-14.033	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-18.454	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-30.499	-0.0174	-2.5 to 2.5	Pass
				10	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-25.992	-0.0149	-2.5 to 2.5	Pass
				40	3.85	-40.498	-0.0231	-2.5 to 2.5	Pass
				50	3.85	2.131	0.0012	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	8.140	0.0047	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
					4.43	10.629	0.0062	-2.5 to 2.5	Pass
				-30	3.85	29.597	0.0173	-2.5 to 2.5	Pass
				-20	3.85	33.259	0.0194	-2.5 to 2.5	Pass
				-10	3.85	11.916	0.0069	-2.5 to 2.5	Pass
				0	3.85	20.428	0.0119	-2.5 to 2.5	Pass
				10	3.85	31.500	0.0184	-2.5 to 2.5	Pass
				30	3.85	19.584	0.0114	-2.5 to 2.5	Pass
				40	3.85	-10.829	-0.0063	-2.5 to 2.5	Pass
				50	3.85	6.495	0.0038	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	21.300	0.0123	-2.5 to 2.5	Pass
					3.85	-14.448	-0.0083	-2.5 to 2.5	Pass
					4.43	-8.726	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-14.806	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-17.838	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-38.180	-0.0220	-2.5 to 2.5	Pass
				0	3.85	-8.855	-0.0051	-2.5 to 2.5	Pass
				10	3.85	4.048	0.0023	-2.5 to 2.5	Pass

				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-16.351	-0.0094	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-10.371	-0.0059	-2.5 to 2.5	Pass
					3.85	-29.325	-0.0168	-2.5 to 2.5	Pass
					4.43	-4.621	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-23.932	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-21.229	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-20.385	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-9.227	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-25.463	-0.0146	-2.5 to 2.5	Pass
				40	3.85	-21.515	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-12.746	-0.0073	-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	3.304	0.0019	-2.5 to 2.5	Pass
					3.85	19.984	0.0116	-2.5 to 2.5	Pass
					4.43	18.482	0.0108	-2.5 to 2.5	Pass
				-30	3.85	16.980	0.0099	-2.5 to 2.5	Pass
				-20	3.85	18.411	0.0107	-2.5 to 2.5	Pass
				-10	3.85	28.253	0.0165	-2.5 to 2.5	Pass
				0	3.85	30.584	0.0178	-2.5 to 2.5	Pass
				10	3.85	13.061	0.0076	-2.5 to 2.5	Pass
				30	3.85	19.698	0.0115	-2.5 to 2.5	Pass
				40	3.85	14.591	0.0085	-2.5 to 2.5	Pass
				50	3.85	26.808	0.0156	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-25.406	-0.0147	-2.5 to 2.5	Pass
					3.85	25.806	0.0149	-2.5 to 2.5	Pass
					4.43	25.406	0.0147	-2.5 to 2.5	Pass
				-30	3.85	16.651	0.0096	-2.5 to 2.5	Pass
				-20	3.85	11.044	0.0064	-2.5 to 2.5	Pass
				-10	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				0	3.85	16.866	0.0097	-2.5 to 2.5	Pass
				10	3.85	23.575	0.0136	-2.5 to 2.5	Pass
				30	3.85	21.801	0.0126	-2.5 to 2.5	Pass
				40	3.85	34.032	0.0196	-2.5 to 2.5	Pass
				50	3.85	29.798	0.0172	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-25.349	-0.0145	-2.5 to 2.5	Pass
					3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
					4.43	12.403	0.0071	-2.5 to 2.5	Pass
				-30	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-20.499	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-27.180	-0.0156	-2.5 to 2.5	Pass
				10	3.85	7.639	0.0044	-2.5 to 2.5	Pass
				30	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				40	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				50	3.85	-10.600	-0.0061	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	25.091	0.0146	-2.5 to 2.5	Pass
					3.85	30.842	0.0180	-2.5 to 2.5	Pass
					4.43	-2.131	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	27.766	0.0162	-2.5 to 2.5	Pass
				-20	3.85	31.872	0.0186	-2.5 to 2.5	Pass

				-10	3.85	15.564	0.0091	-2.5 to 2.5	Pass
				0	3.85	34.304	0.0200	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	3.85	10.743	0.0063	-2.5 to 2.5	Pass
				50	3.85	19.083	0.0111	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	3.290	0.0019	-2.5 to 2.5	Pass
					3.85	-9.012	-0.0052	-2.5 to 2.5	Pass
					4.43	1.674	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-21.501	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-29.969	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-20.213	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-21.386	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-33.946	-0.0196	-2.5 to 2.5	Pass
				30	3.85	-23.546	-0.0136	-2.5 to 2.5	Pass
				40	3.85	-13.475	-0.0078	-2.5 to 2.5	Pass
				50	3.85	6.037	0.0035	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-28.896	-0.0165	-2.5 to 2.5	Pass
					3.85	-25.806	-0.0148	-2.5 to 2.5	Pass
					4.43	-27.766	-0.0159	-2.5 to 2.5	Pass
				-30	3.85	-24.662	-0.0141	-2.5 to 2.5	Pass
				-20	3.85	-31.385	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-26.579	-0.0152	-2.5 to 2.5	Pass
				0	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				10	3.85	-23.532	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-37.451	-0.0214	-2.5 to 2.5	Pass
				40	3.85	-23.632	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-27.523	-0.0157	-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	-0.329	-0.0002	-2.5 to 2.5	Pass
					3.85	26.236	0.0153	-2.5 to 2.5	Pass
					4.43	20.041	0.0117	-2.5 to 2.5	Pass
				-30	3.85	28.396	0.0165	-2.5 to 2.5	Pass
				-20	3.85	15.321	0.0089	-2.5 to 2.5	Pass
				-10	3.85	24.991	0.0145	-2.5 to 2.5	Pass
				0	3.85	13.447	0.0078	-2.5 to 2.5	Pass
				10	3.85	20.285	0.0118	-2.5 to 2.5	Pass
				30	3.85	12.403	0.0072	-2.5 to 2.5	Pass
				40	3.85	19.612	0.0114	-2.5 to 2.5	Pass
				50	3.85	19.684	0.0114	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-34.533	-0.0199	-2.5 to 2.5	Pass
					3.85	26.450	0.0153	-2.5 to 2.5	Pass
					4.43	19.498	0.0113	-2.5 to 2.5	Pass
				-30	3.85	16.193	0.0093	-2.5 to 2.5	Pass
				-20	3.85	26.507	0.0153	-2.5 to 2.5	Pass
				-10	3.85	32.902	0.0190	-2.5 to 2.5	Pass
				0	3.85	30.026	0.0173	-2.5 to 2.5	Pass
				10	3.85	28.453	0.0164	-2.5 to 2.5	Pass
				30	3.85	25.878	0.0149	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				50	3.85	30.842	0.0178	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-23.575	-0.0135	-2.5 to 2.5	Pass
					3.85	10.929	0.0063	-2.5 to 2.5	Pass

					4.43	22.759	0.0130	-2.5 to 2.5	Pass
				-30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-25.063	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-15.149	-0.0087	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-25.091	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-35.720	-0.0205	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0050	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	26.178	0.0152	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-11.315	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-5.093	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	11.787	0.0069	-2.5 to 2.5	Pass
				0	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				30	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-11.158	-0.0065	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	23.618	0.0136	-2.5 to 2.5	Pass
					3.85	-16.737	-0.0097	-2.5 to 2.5	Pass
					4.43	3.076	0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.463	0.0026	-2.5 to 2.5	Pass
				-20	3.85	-16.894	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-16.007	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				30	3.85	-13.275	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-12.074	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-26.093	-0.0151	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-6.251	-0.0036	-2.5 to 2.5	Pass
					3.85	-18.439	-0.0106	-2.5 to 2.5	Pass
					4.43	-19.598	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-7.410	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-20.642	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-11.544	-0.0066	-2.5 to 2.5	Pass
				0	3.85	11.129	0.0064	-2.5 to 2.5	Pass
				10	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				30	3.85	-9.212	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-12.159	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-23.947	-0.0137	-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

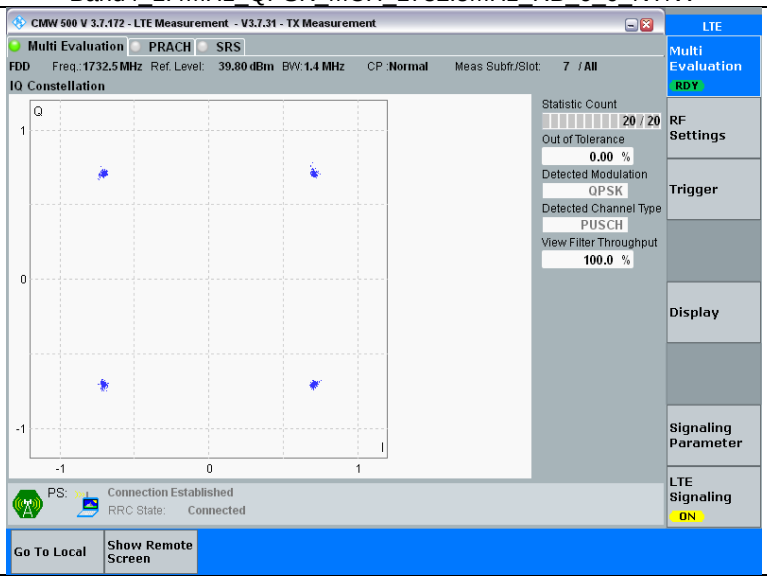
3.1.6 B4_20MHz

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

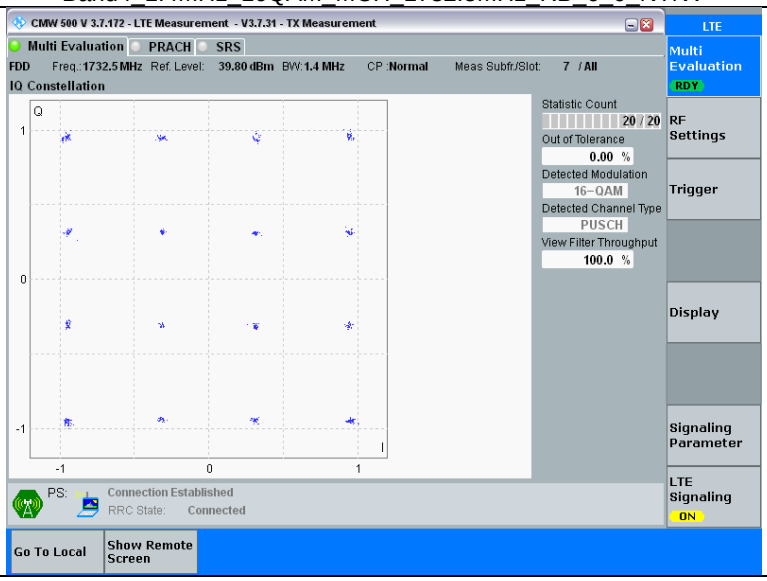
3.2 Test Graph

3.2.1 B4_1.4MHz

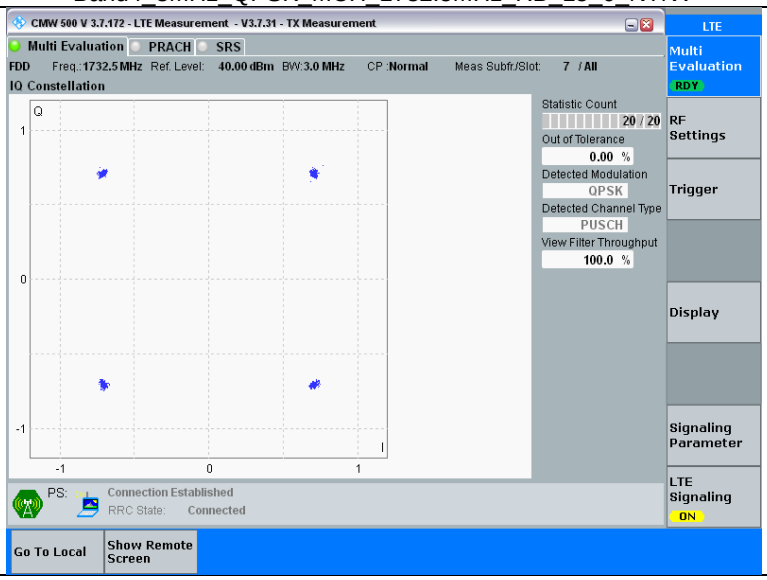
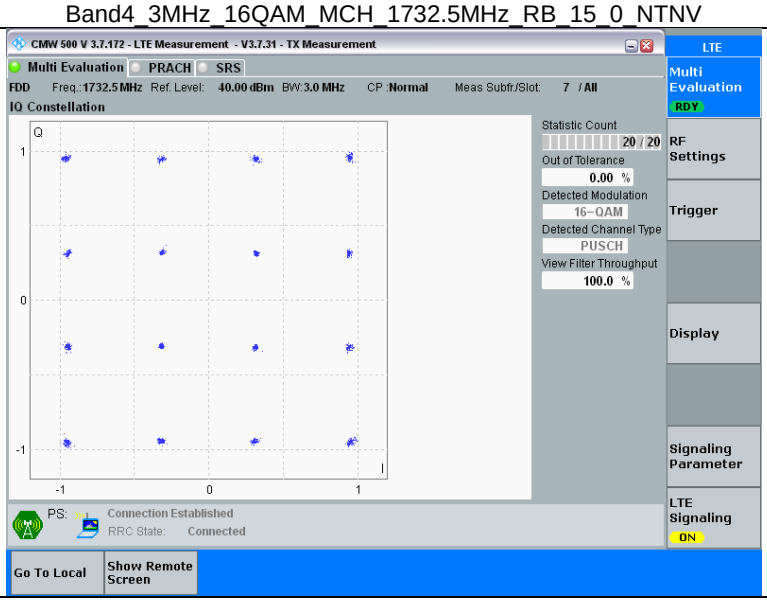
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



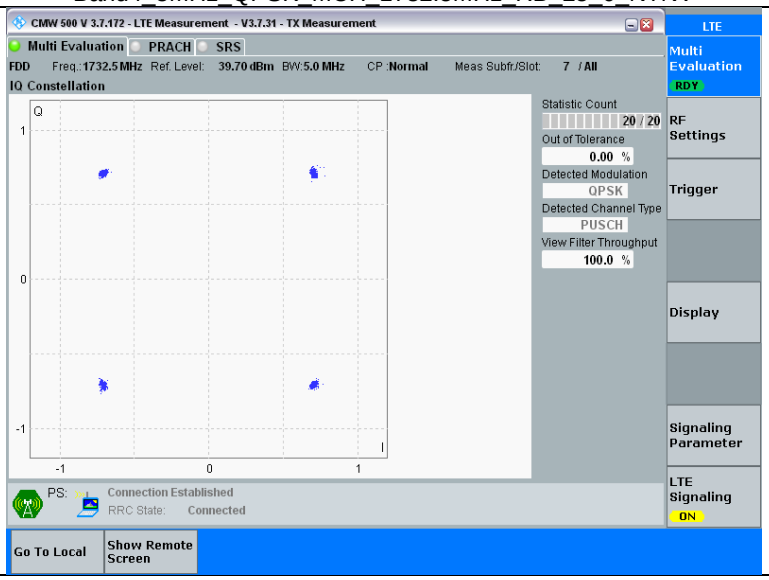
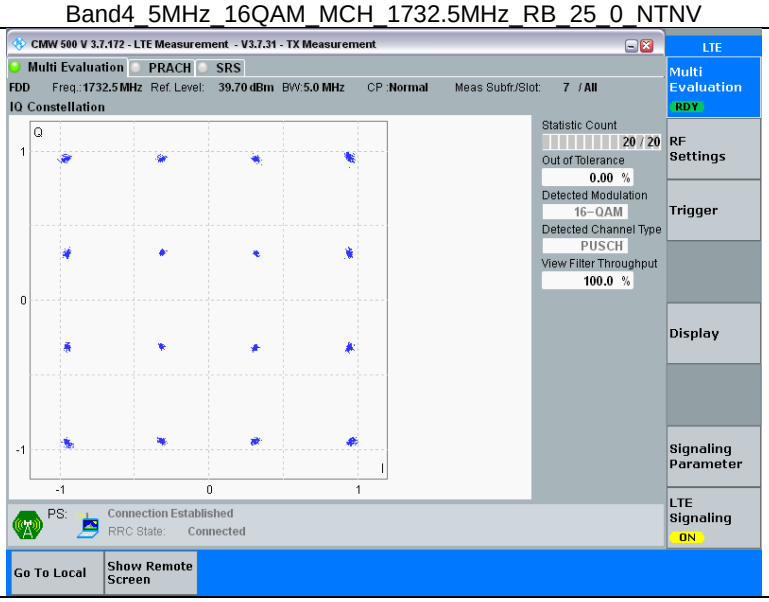
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



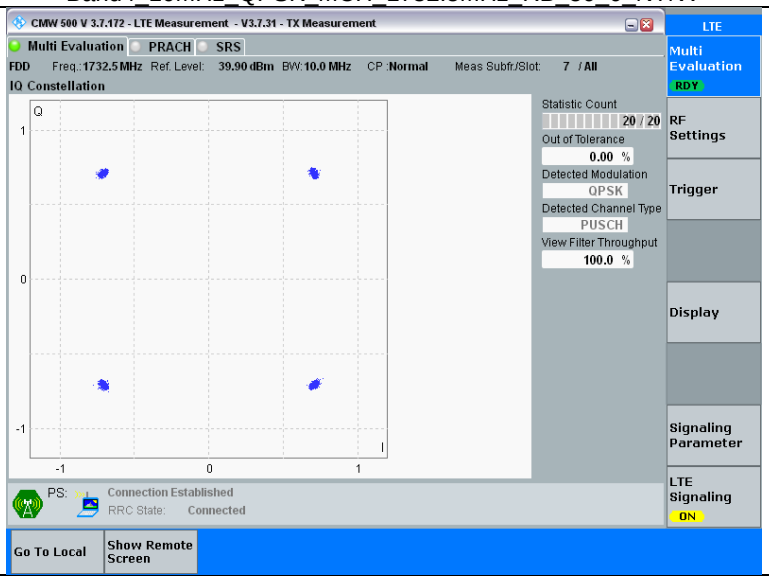
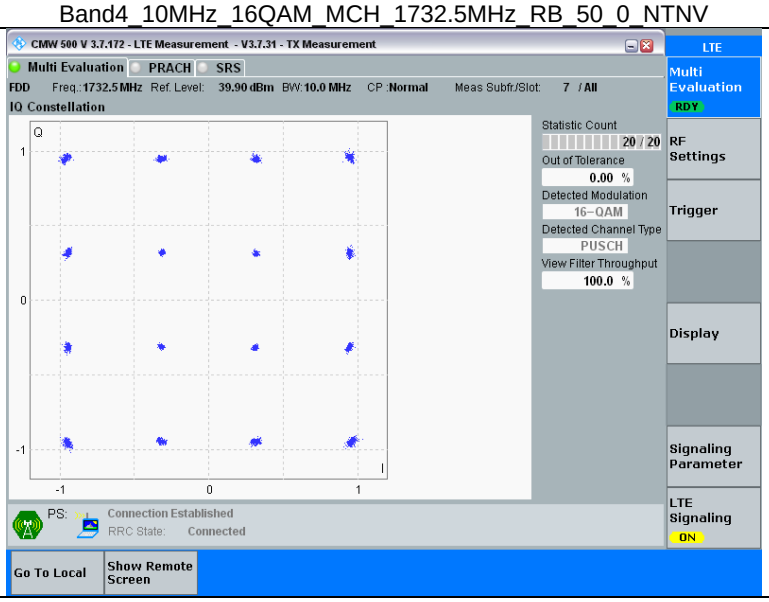
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


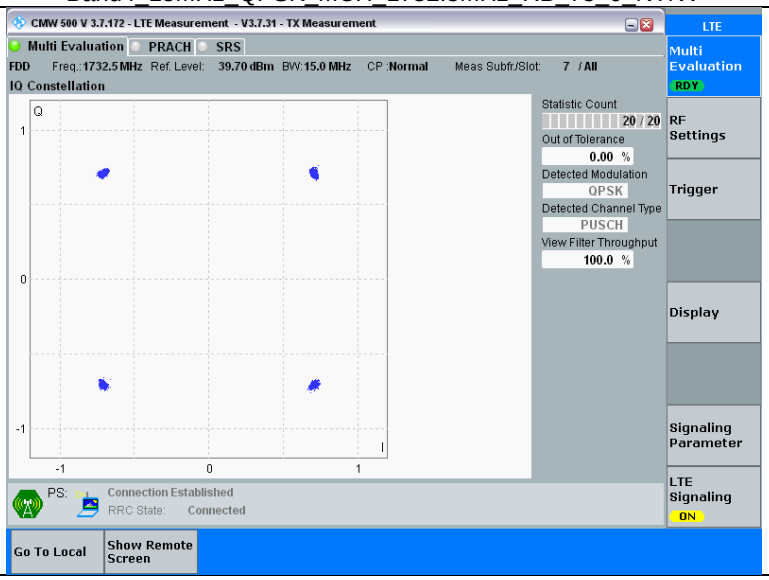
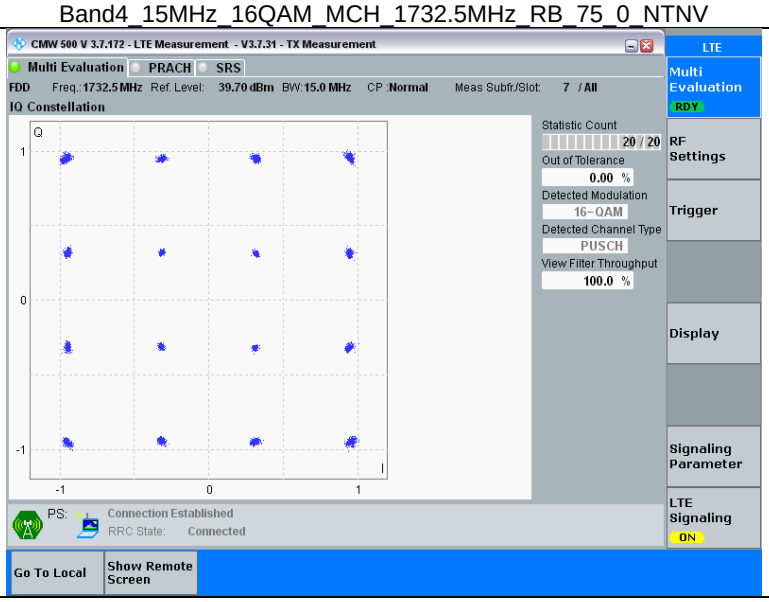
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


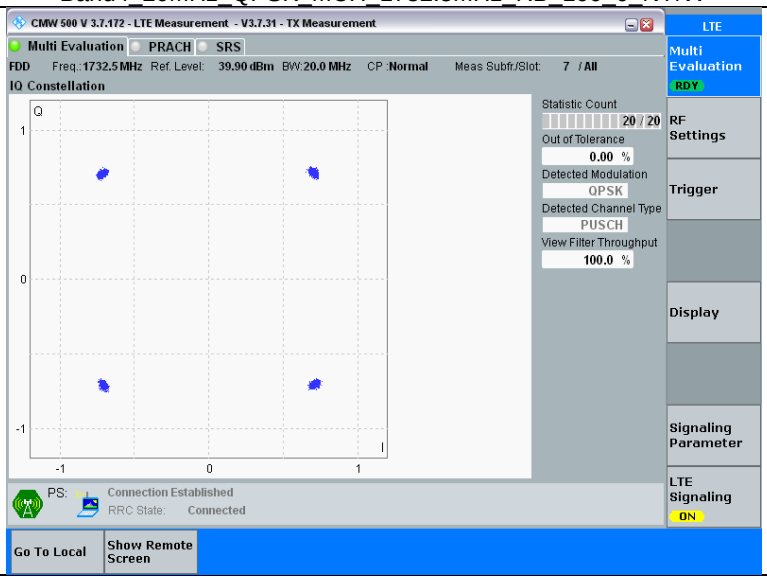
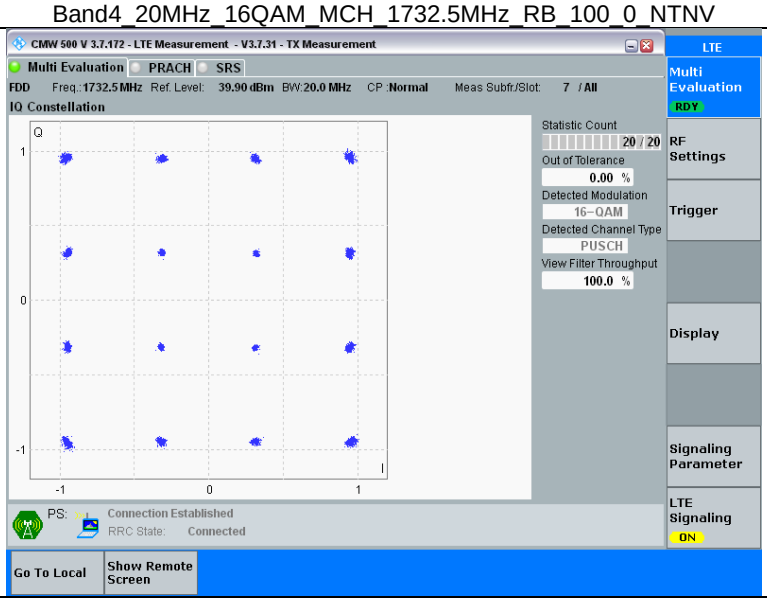
3.2.4 B4_10MHz

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	1.109	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.120	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.754	/	Pass
		1732.5	15	0	2.745	/	Pass
		1753.5	15	0	2.764	/	Pass
	16QAM	1711.5	15	0	2.757	/	Pass
		1732.5	15	0	2.761	/	Pass
		1753.5	15	0	2.749	/	Pass
5	QPSK	1712.5	25	0	4.578	/	Pass
		1732.5	25	0	4.539	/	Pass
		1752.5	25	0	4.554	/	Pass
	16QAM	1712.5	25	0	4.562	/	Pass
		1732.5	25	0	4.578	/	Pass
		1752.5	25	0	4.552	/	Pass
10	QPSK	1715	50	0	9.065	/	Pass
		1732.5	50	0	9.088	/	Pass
		1750	50	0	9.059	/	Pass
	16QAM	1715	50	0	9.078	/	Pass
		1732.5	50	0	9.064	/	Pass
		1750	50	0	9.060	/	Pass
15	QPSK	1717.5	75	0	13.600	/	Pass
		1732.5	75	0	13.619	/	Pass
		1747.5	75	0	13.591	/	Pass
	16QAM	1717.5	75	0	13.640	/	Pass
		1732.5	75	0	13.646	/	Pass
		1747.5	75	0	13.616	/	Pass
20	QPSK	1720	100	0	18.201	/	Pass
		1732.5	100	0	18.133	/	Pass
		1745	100	0	18.147	/	Pass
	16QAM	1720	100	0	18.160	/	Pass
		1732.5	100	0	18.165	/	Pass
		1745	100	0	18.031	/	Pass

4.1.2 Band4_XDB

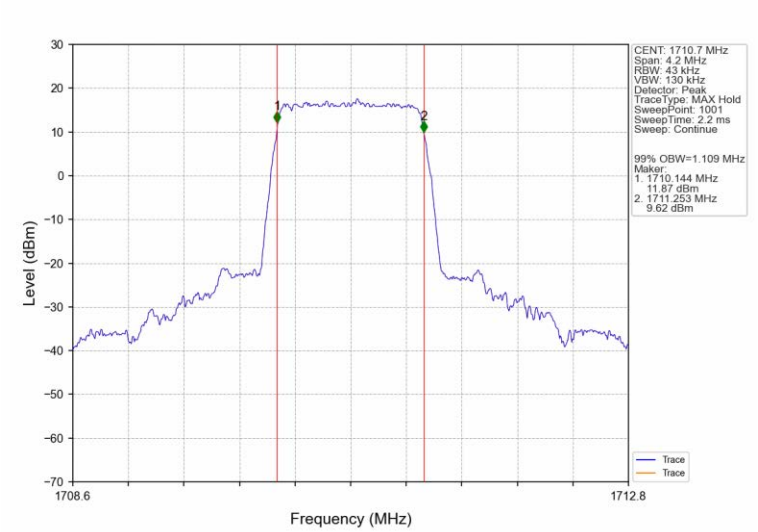
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.270	/	Pass
		1732.5	6	0	1.273	/	Pass
		1754.3	6	0	1.271	/	Pass

	16QAM	1710.7	6	0	1.277	/	Pass
		1732.5	6	0	1.267	/	Pass
		1754.3	6	0	1.277	/	Pass
3	QPSK	1711.5	15	0	3.109	/	Pass
		1732.5	15	0	3.095	/	Pass
		1753.5	15	0	3.083	/	Pass
	16QAM	1711.5	15	0	3.089	/	Pass
		1732.5	15	0	3.099	/	Pass
		1753.5	15	0	3.098	/	Pass
5	QPSK	1712.5	25	0	5.037	/	Pass
		1732.5	25	0	5.041	/	Pass
		1752.5	25	0	5.075	/	Pass
	16QAM	1712.5	25	0	5.057	/	Pass
		1732.5	25	0	5.048	/	Pass
		1752.5	25	0	5.044	/	Pass
10	QPSK	1715	50	0	9.995	/	Pass
		1732.5	50	0	10.030	/	Pass
		1750	50	0	10.096	/	Pass
	16QAM	1715	50	0	10.033	/	Pass
		1732.5	50	0	10.025	/	Pass
		1750	50	0	10.104	/	Pass
15	QPSK	1717.5	75	0	15.292	/	Pass
		1732.5	75	0	15.245	/	Pass
		1747.5	75	0	15.176	/	Pass
	16QAM	1717.5	75	0	15.201	/	Pass
		1732.5	75	0	15.140	/	Pass
		1747.5	75	0	15.155	/	Pass
20	QPSK	1720	100	0	20.029	/	Pass
		1732.5	100	0	20.239	/	Pass
		1745	100	0	19.947	/	Pass
	16QAM	1720	100	0	20.023	/	Pass
		1732.5	100	0	19.966	/	Pass
		1745	100	0	19.557	/	Pass

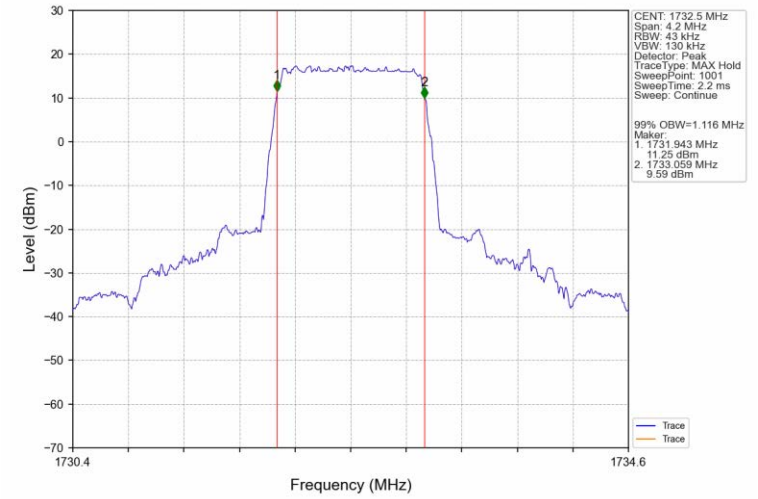
4.2 Test Graph

4.2.1 Band4_OBW

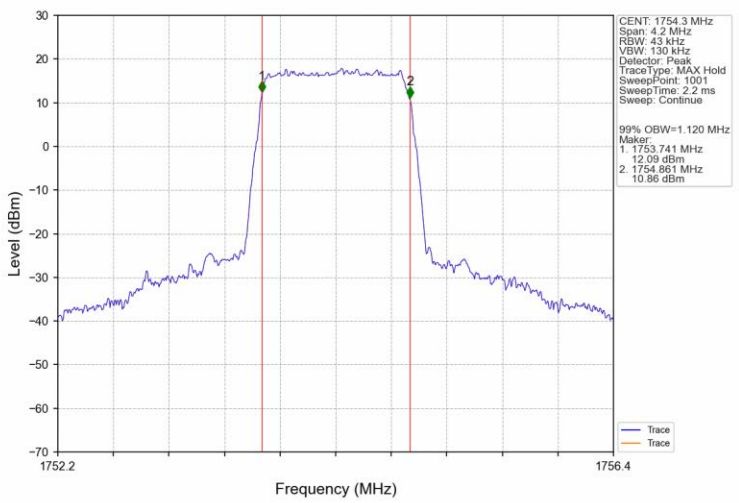
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



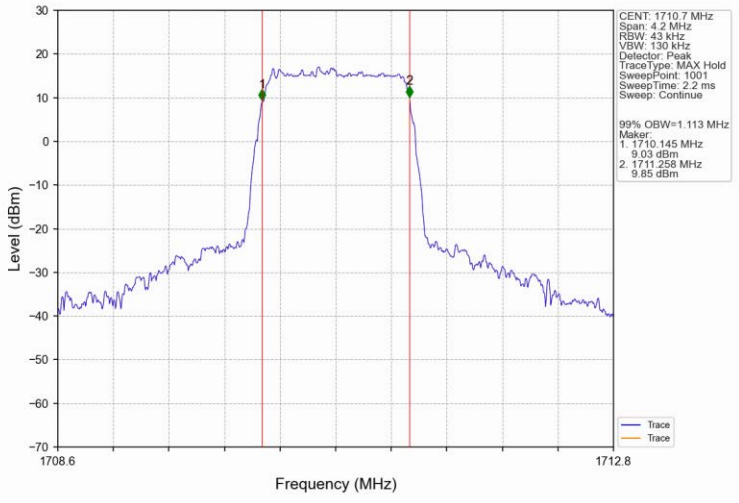
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



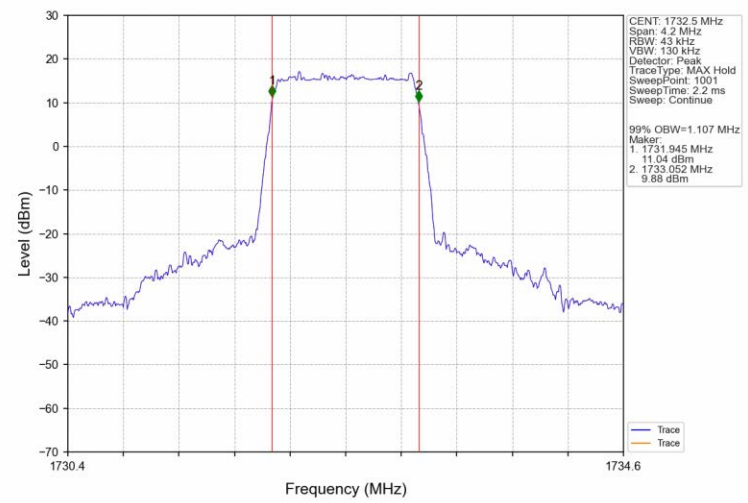
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



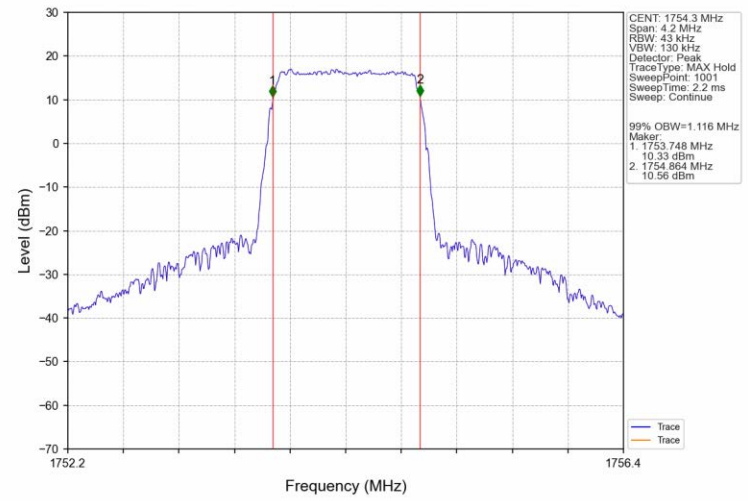
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



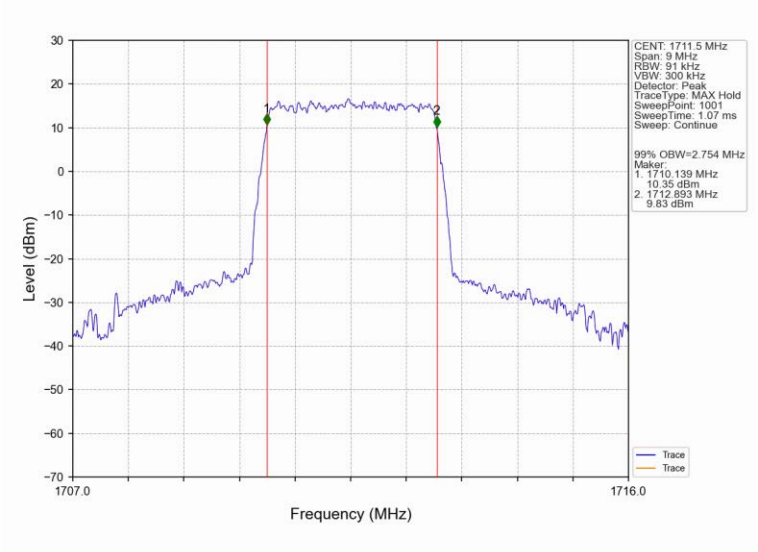
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



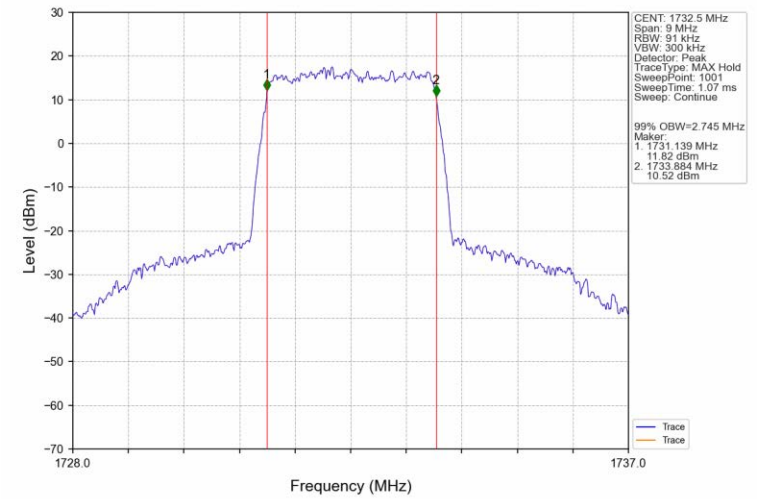
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



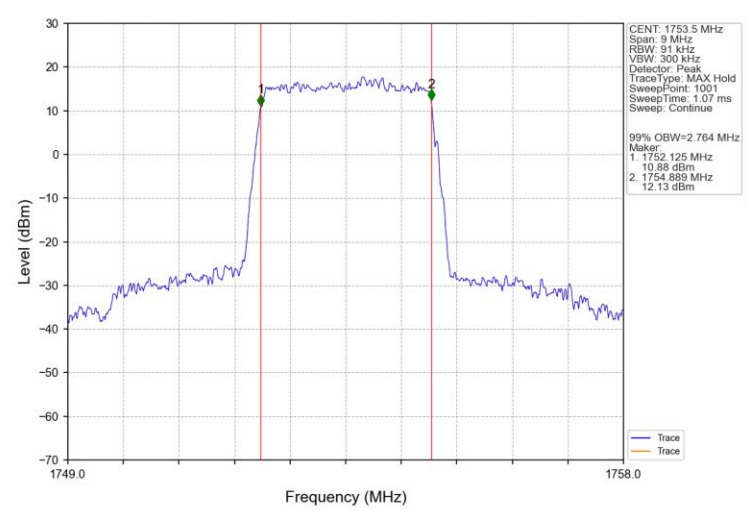
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



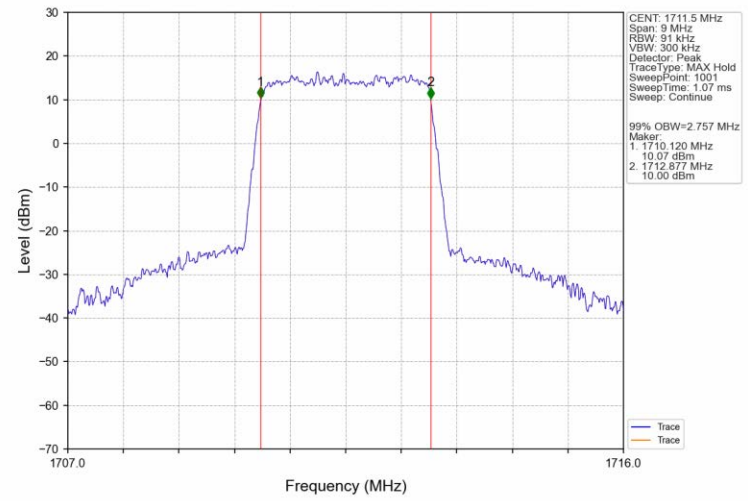
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



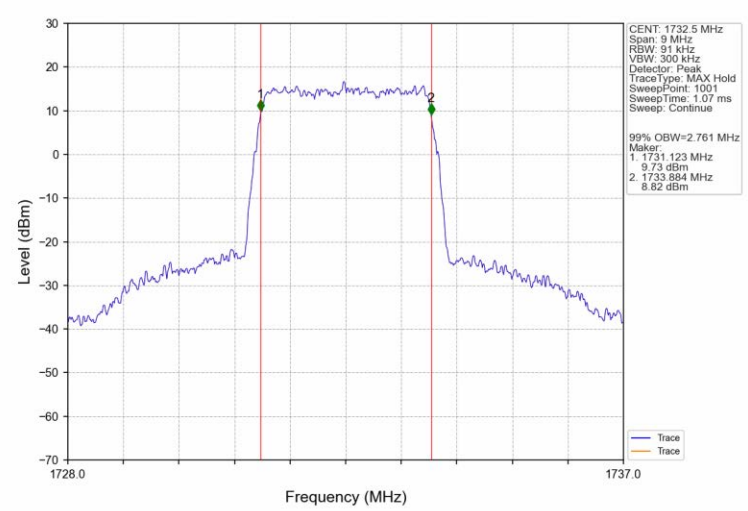
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



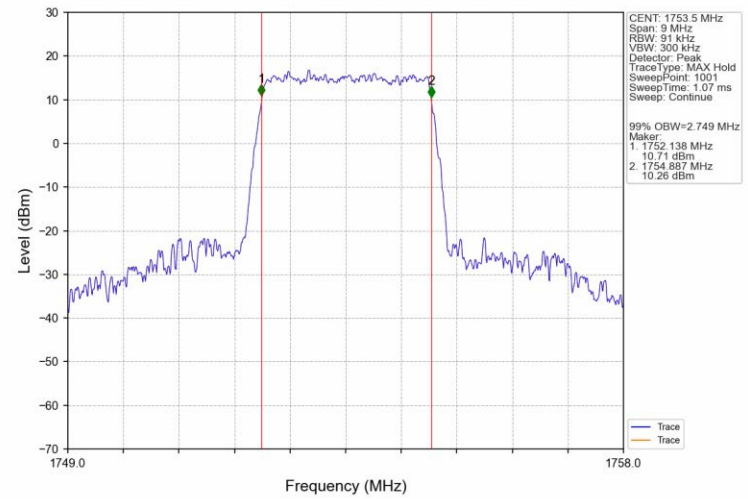
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



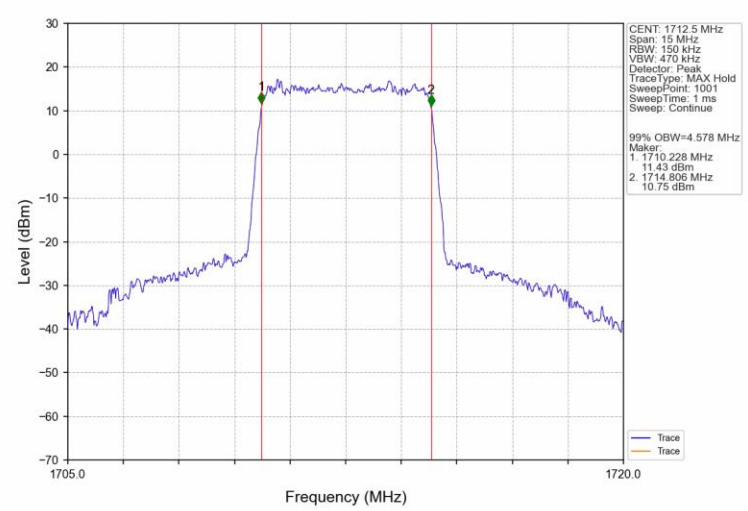
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



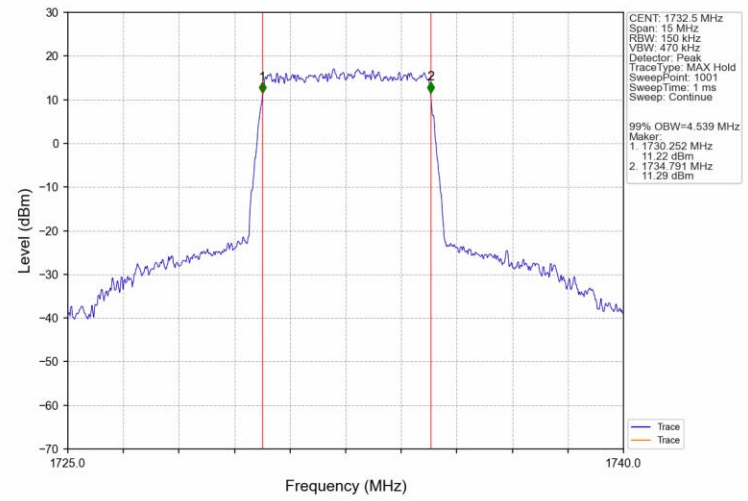
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



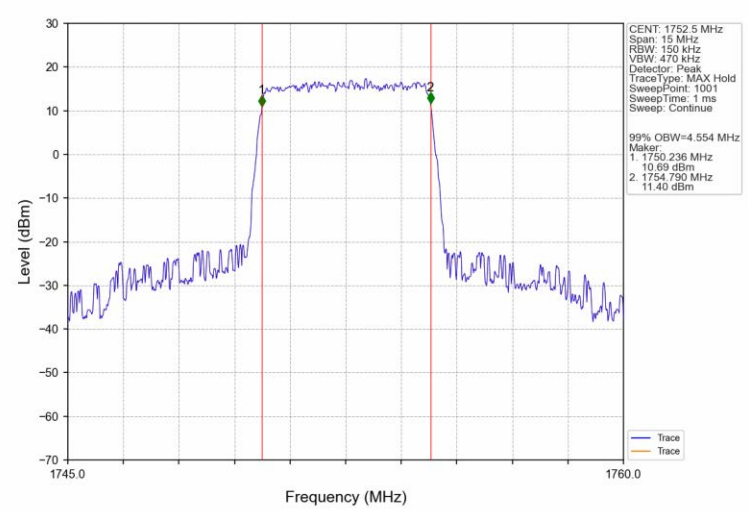
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



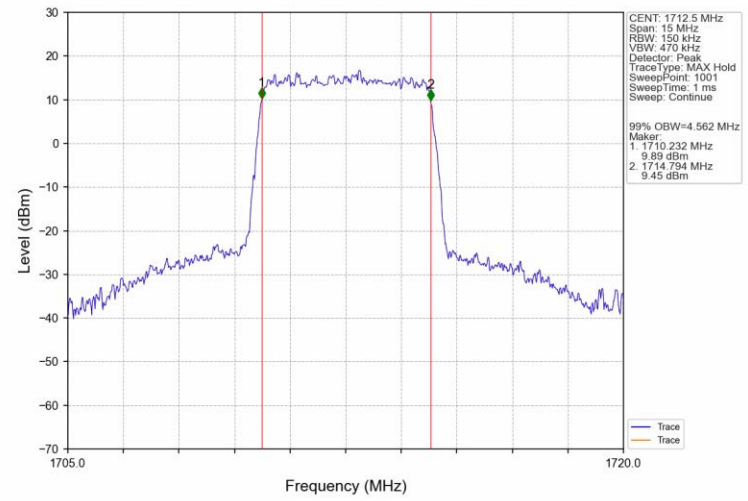
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



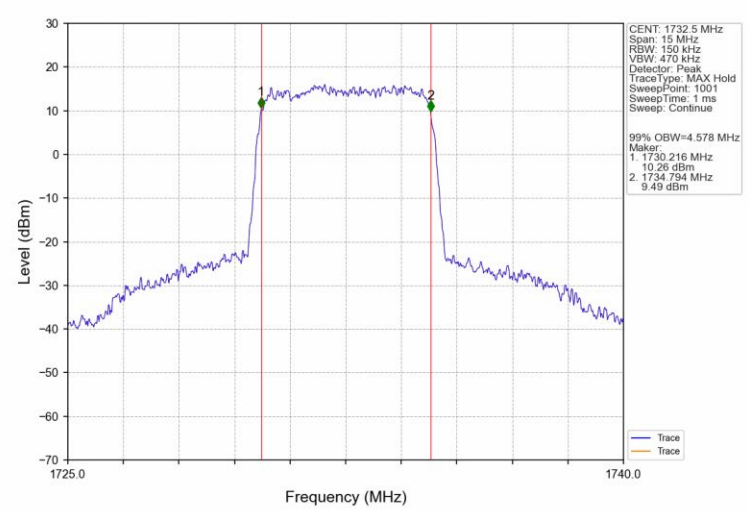
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



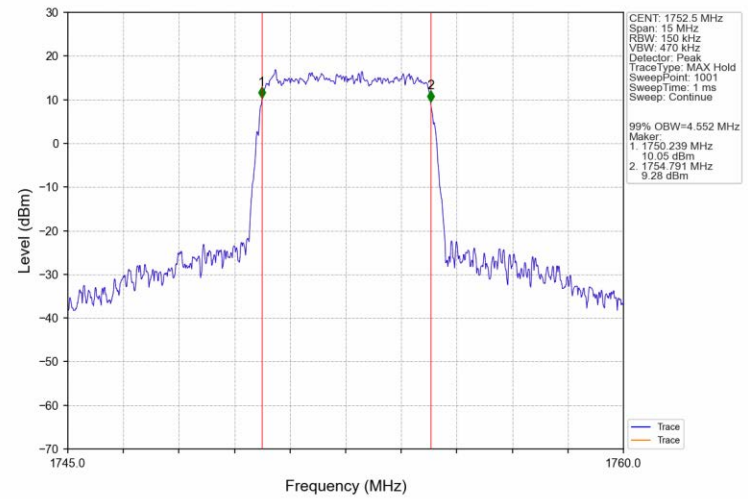
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



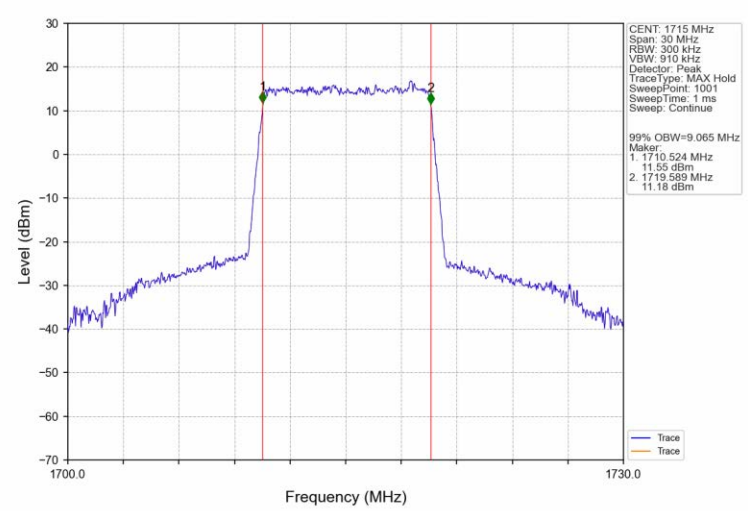
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



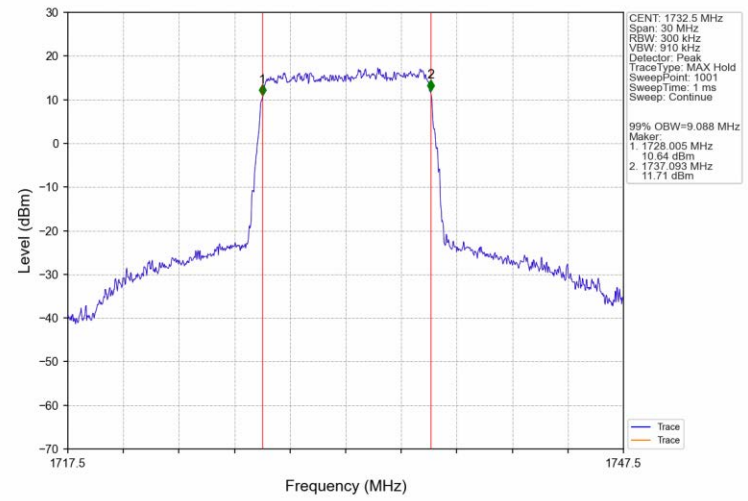
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



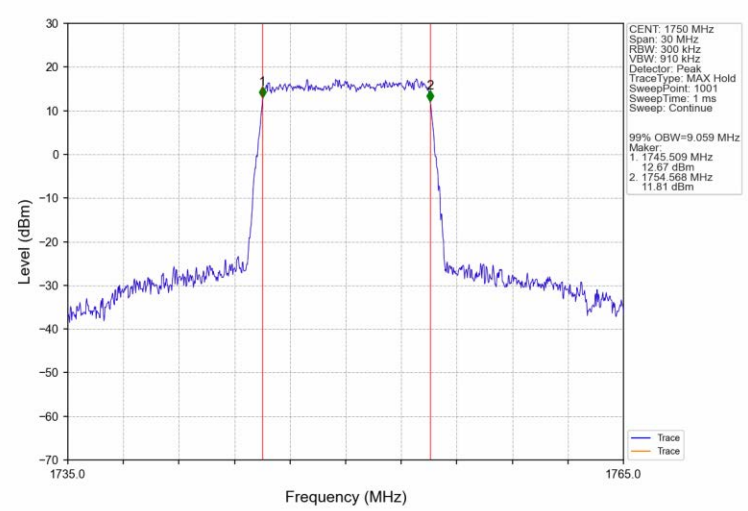
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



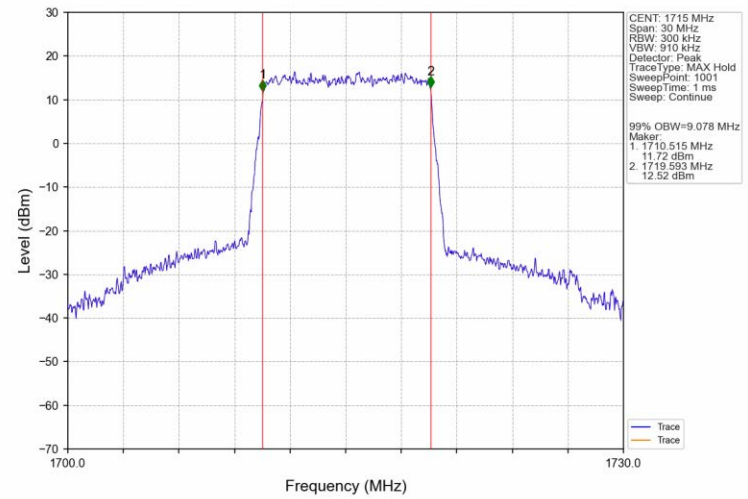
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



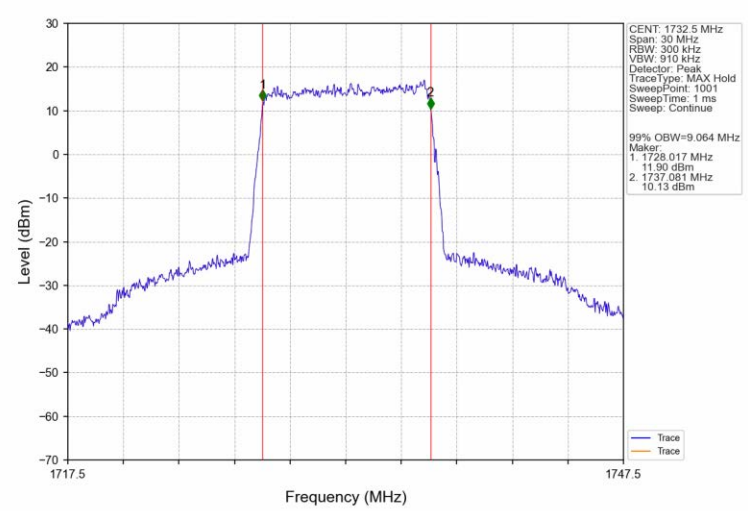
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



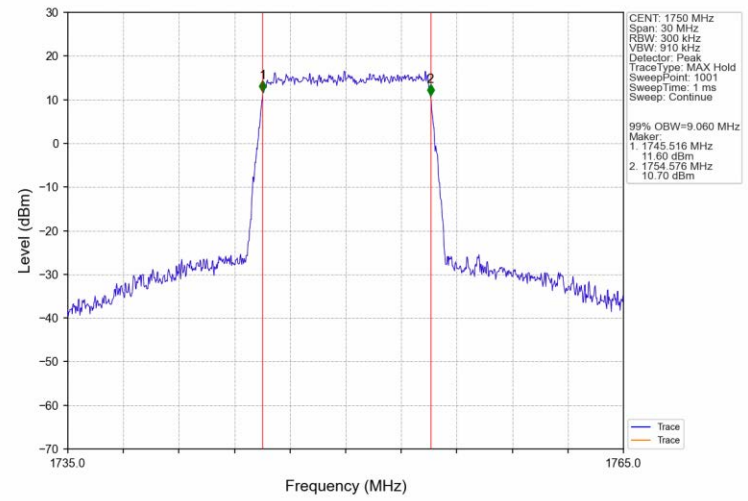
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



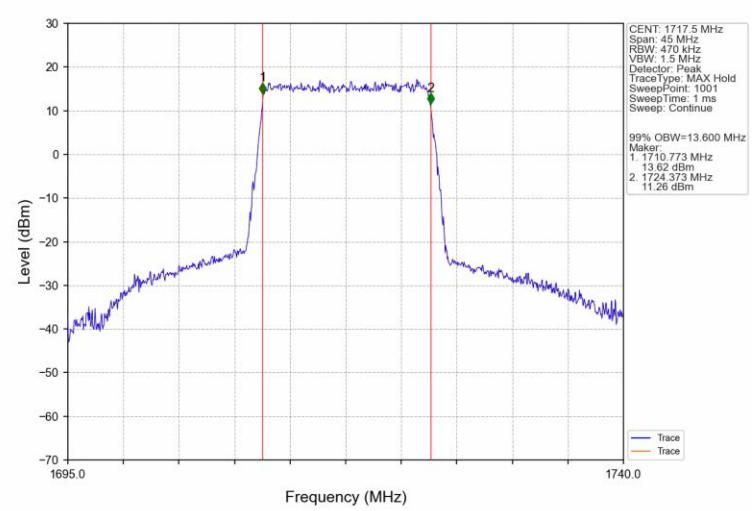
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



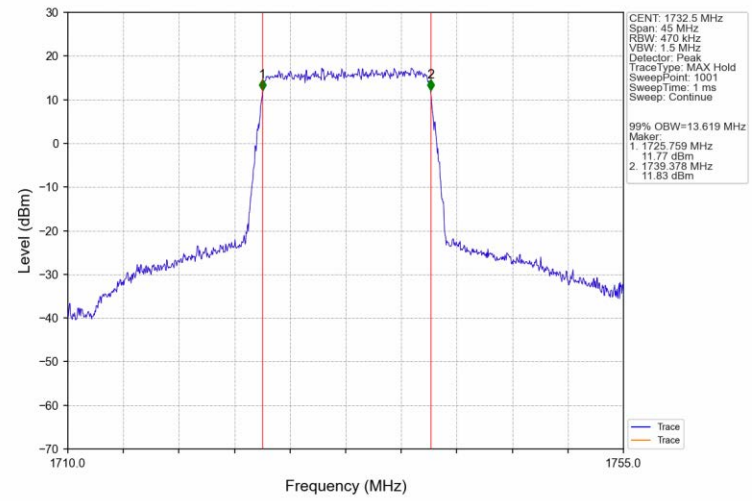
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



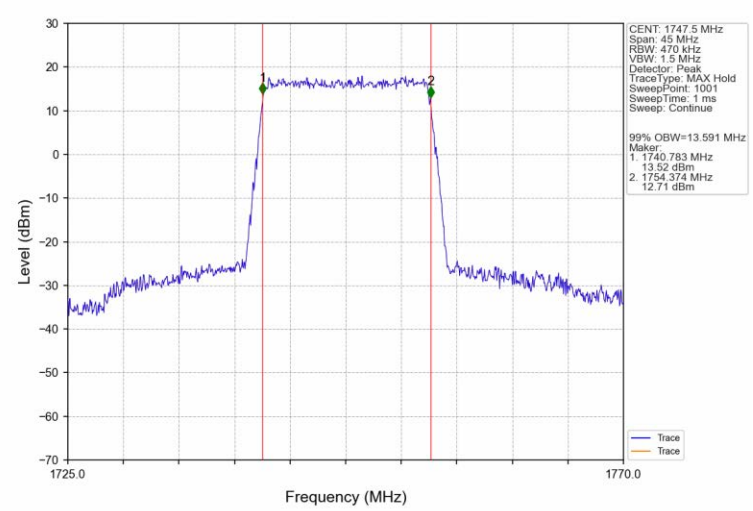
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



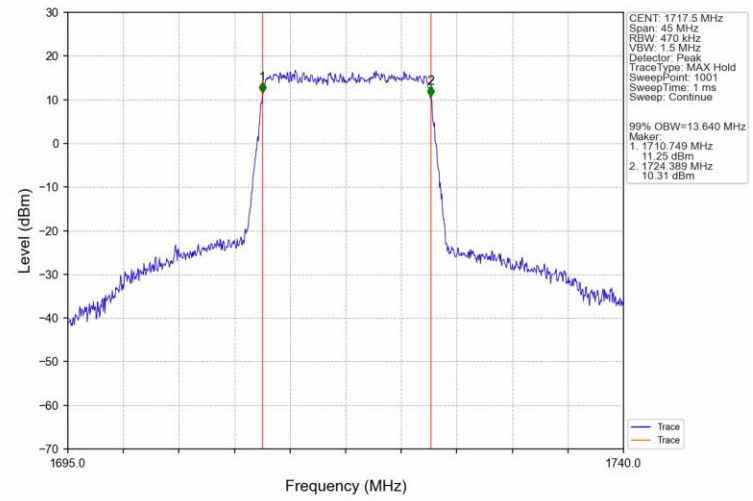
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



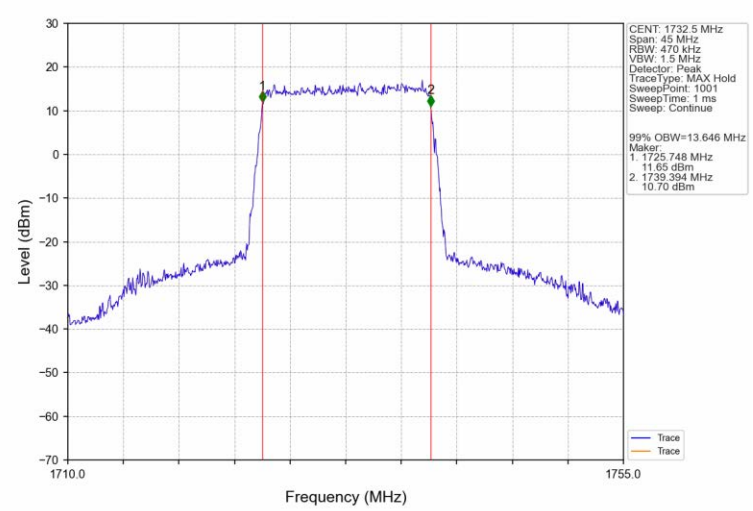
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



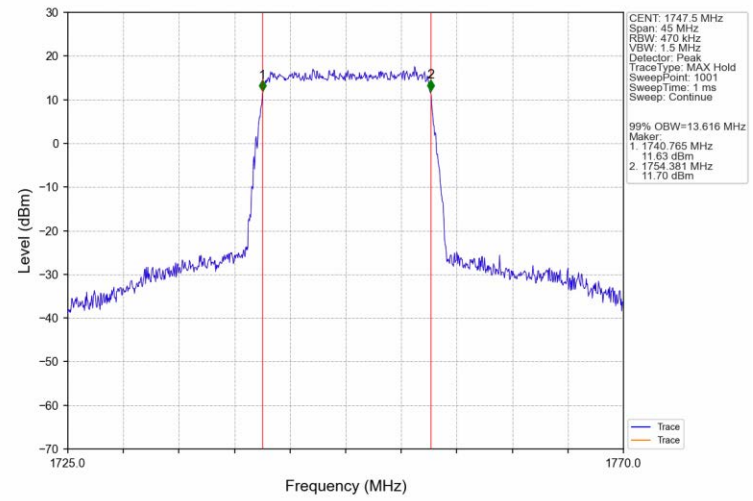
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



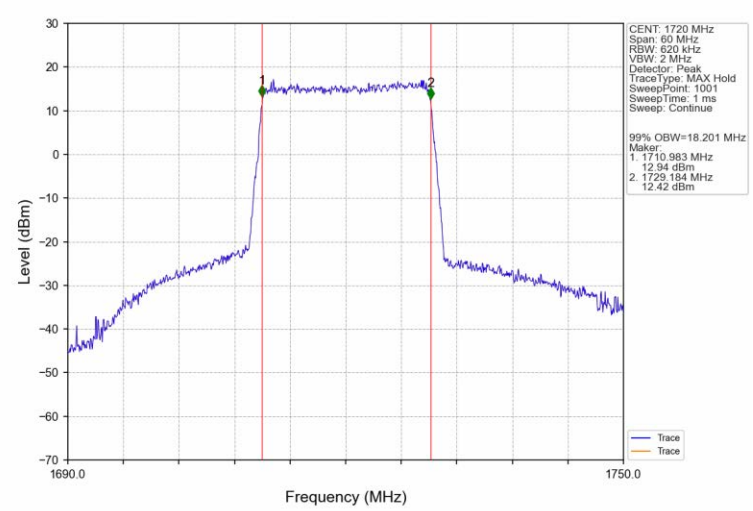
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



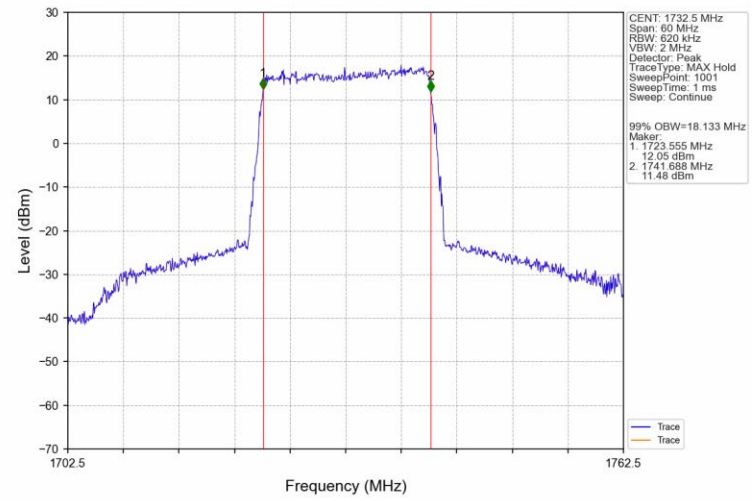
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



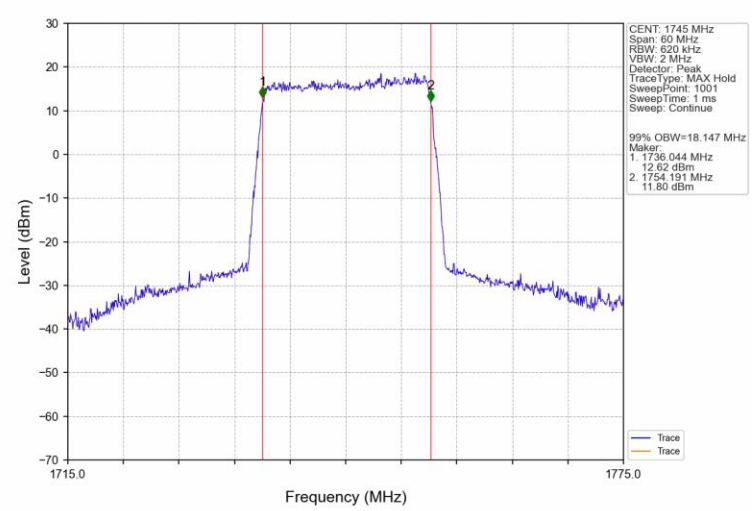
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



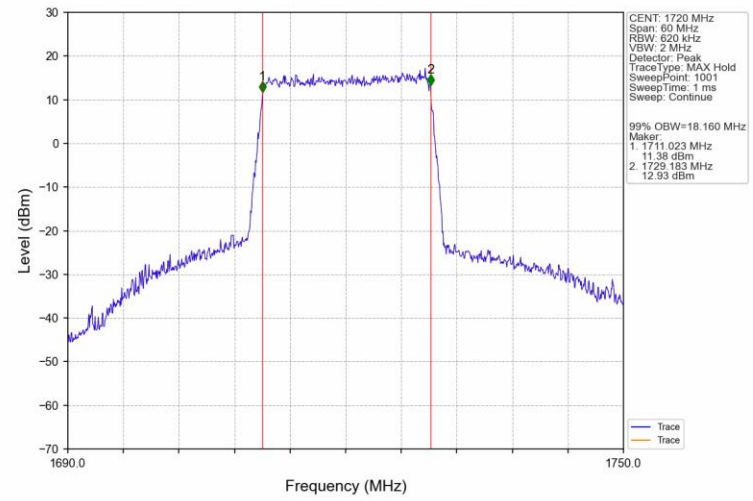
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



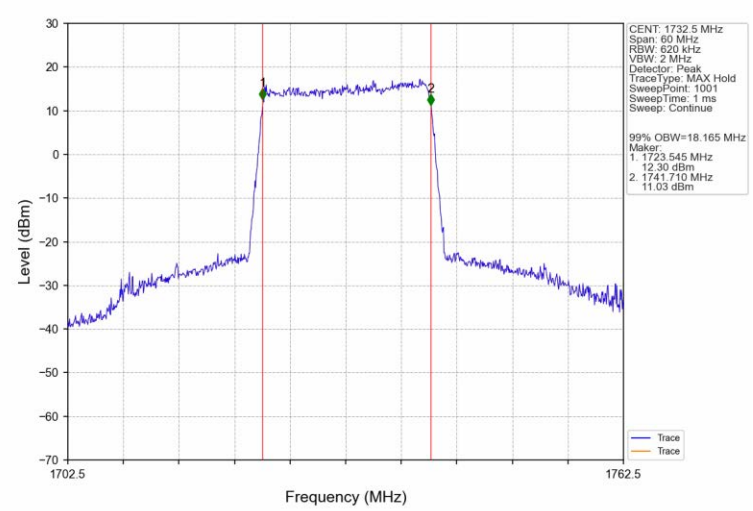
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



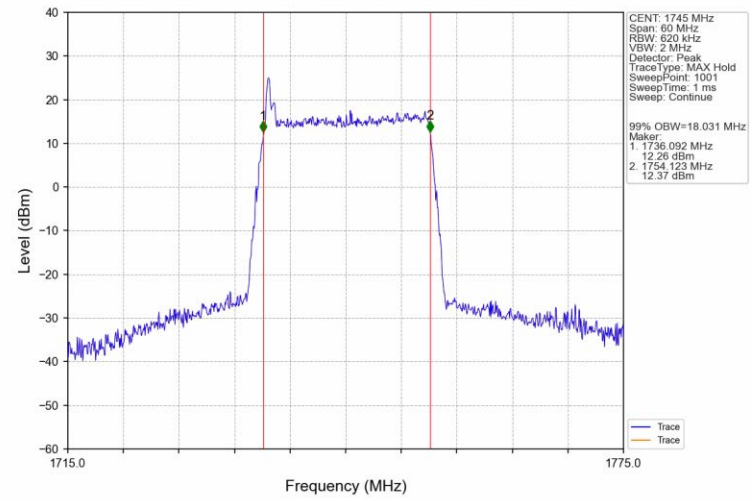
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

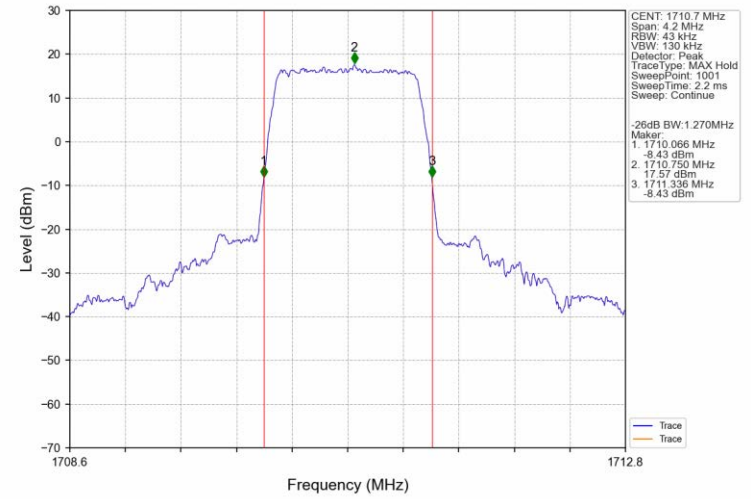


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

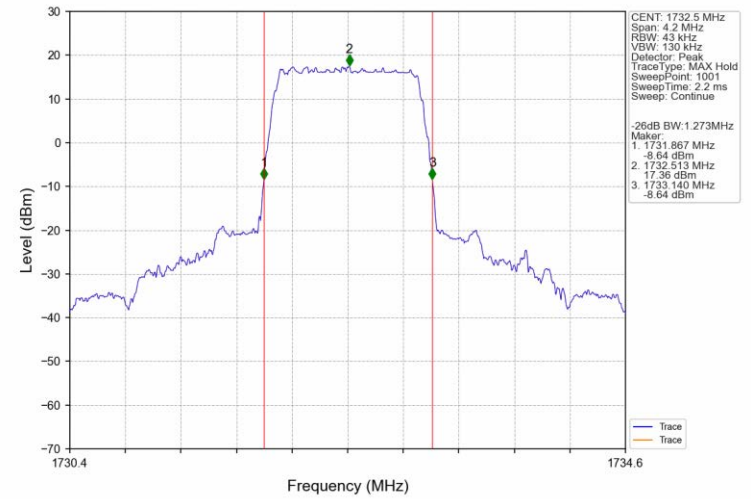


4.2.2 Band4_XDB

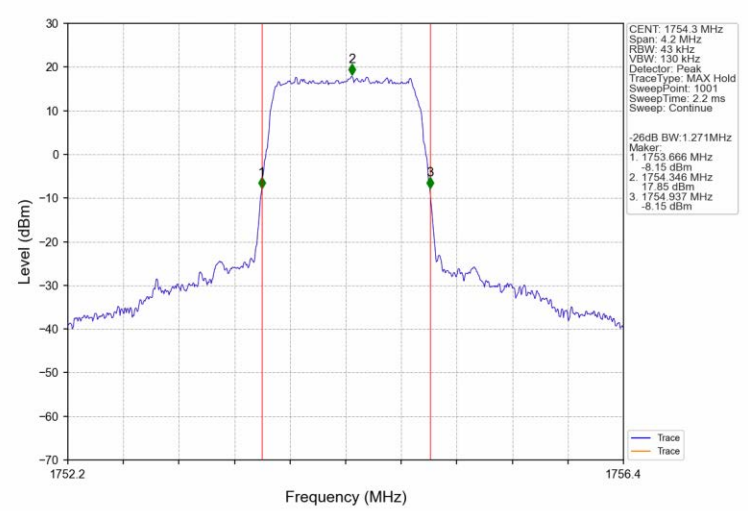
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



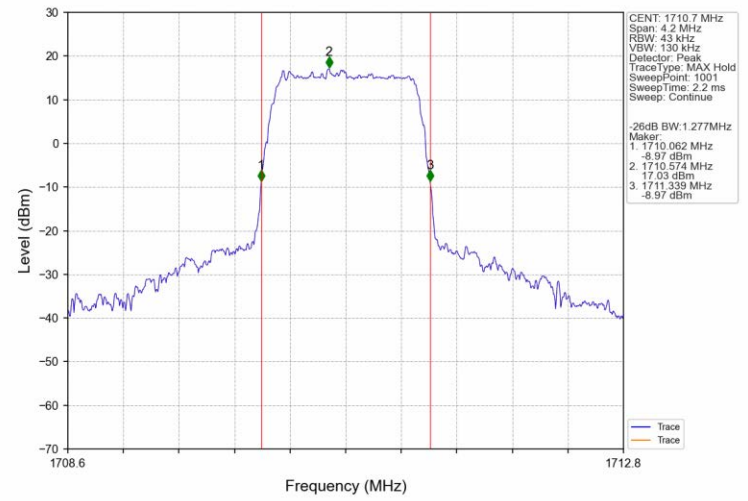
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



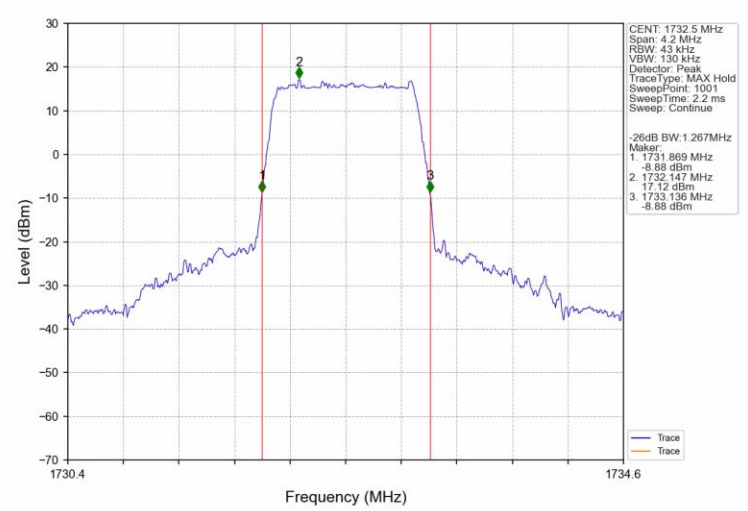
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



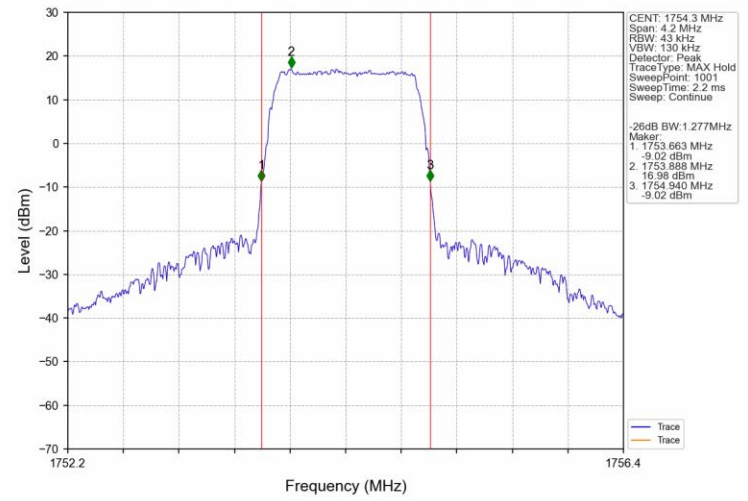
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



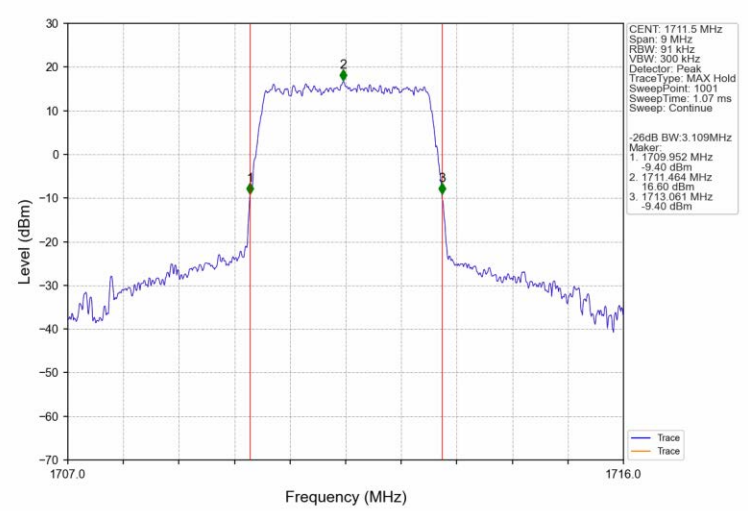
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



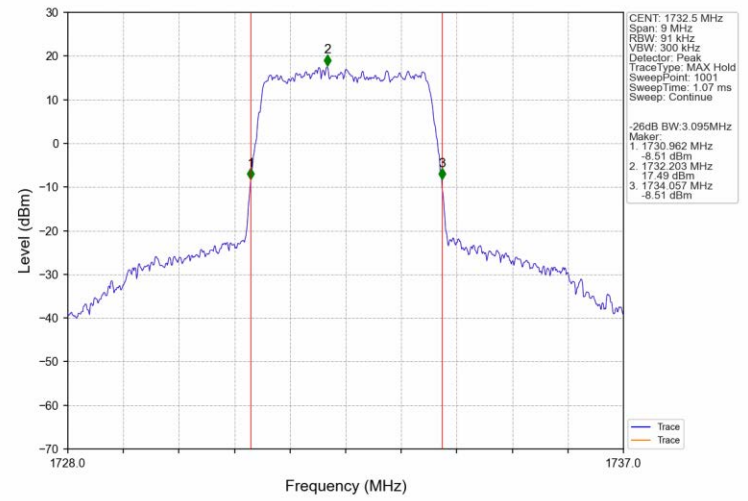
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



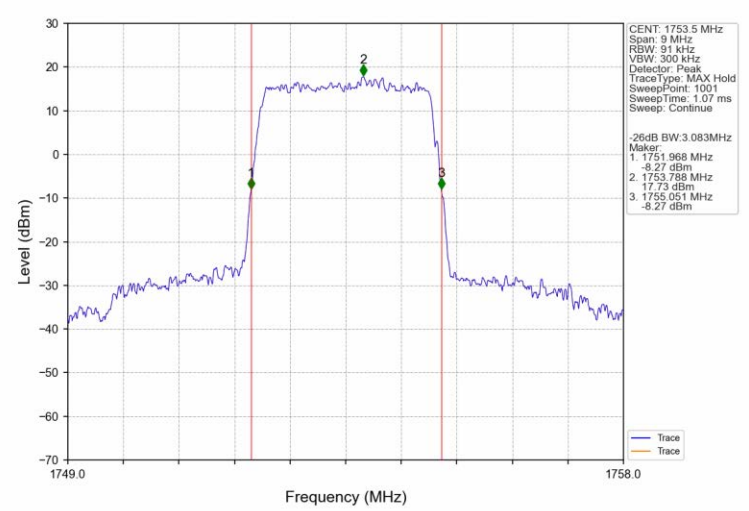
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



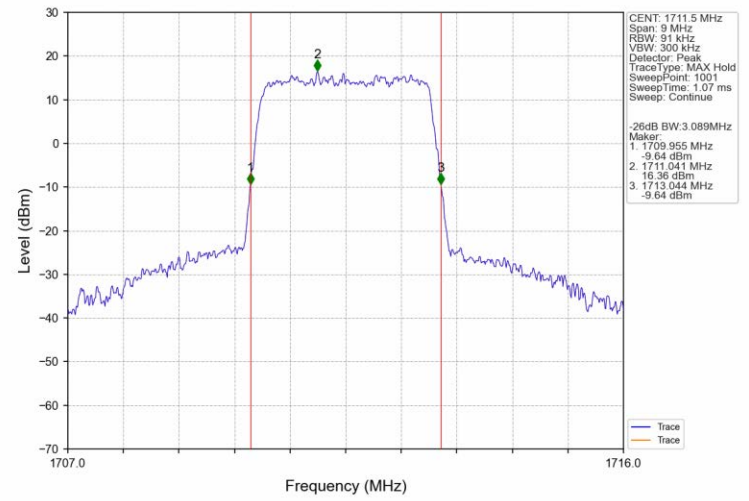
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



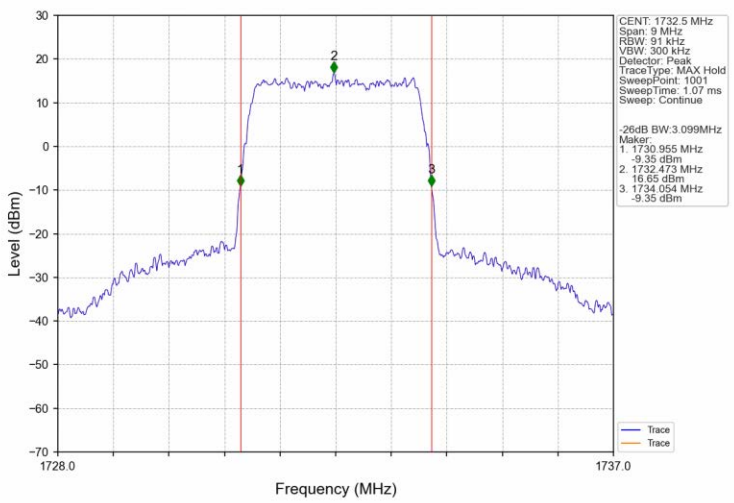
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



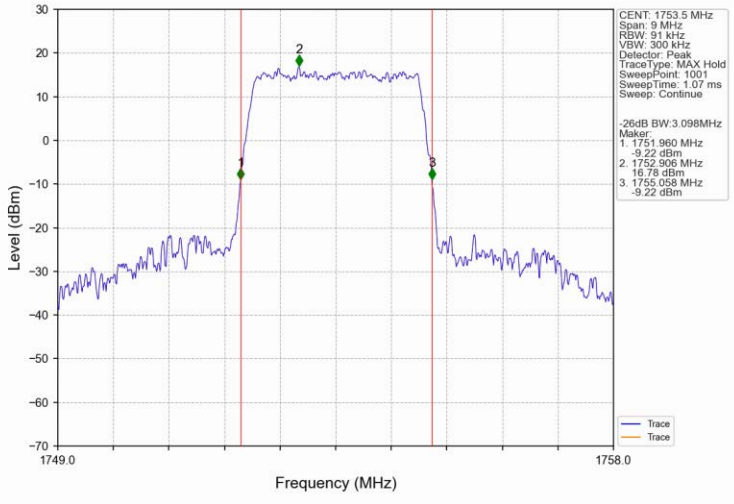
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



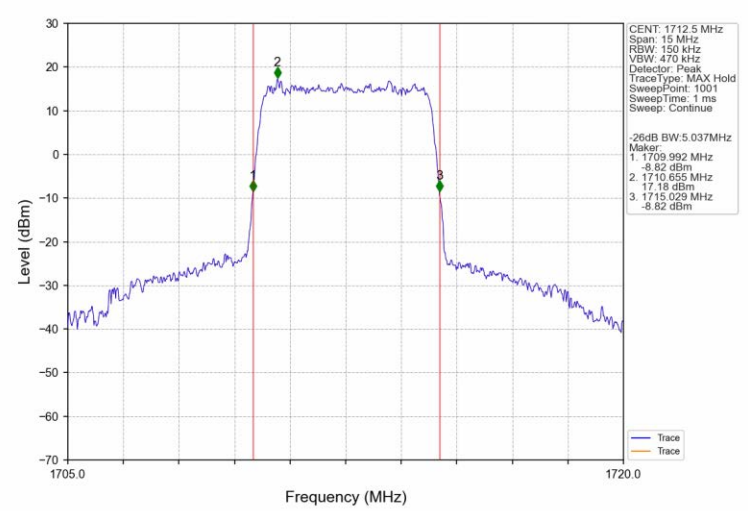
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



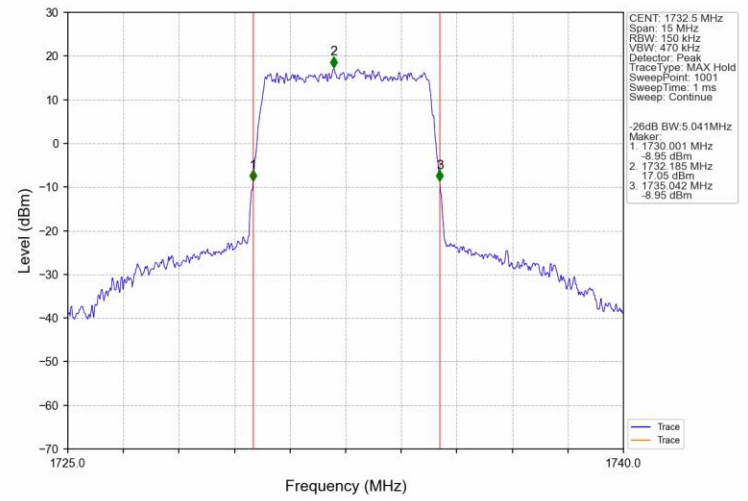
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



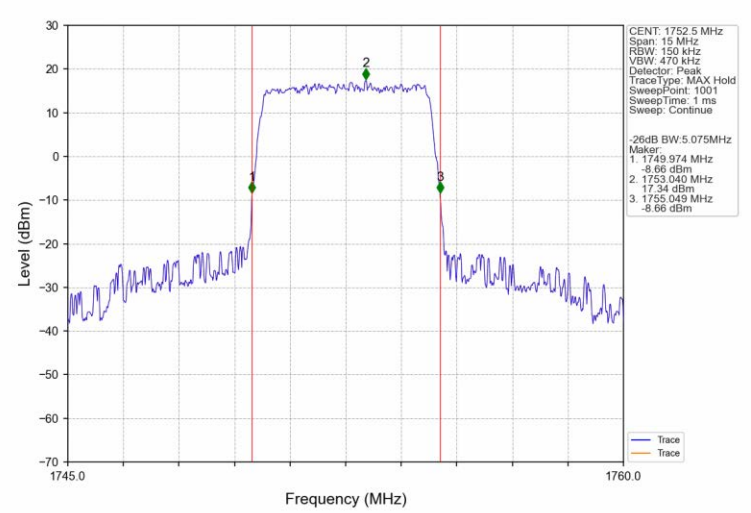
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



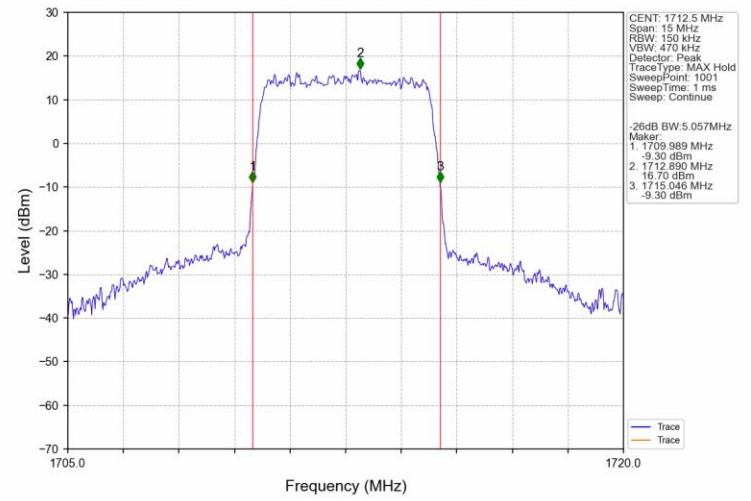
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



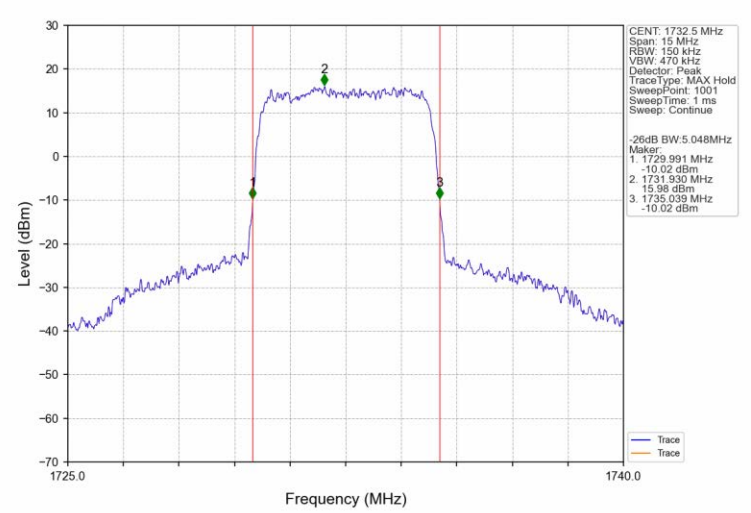
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



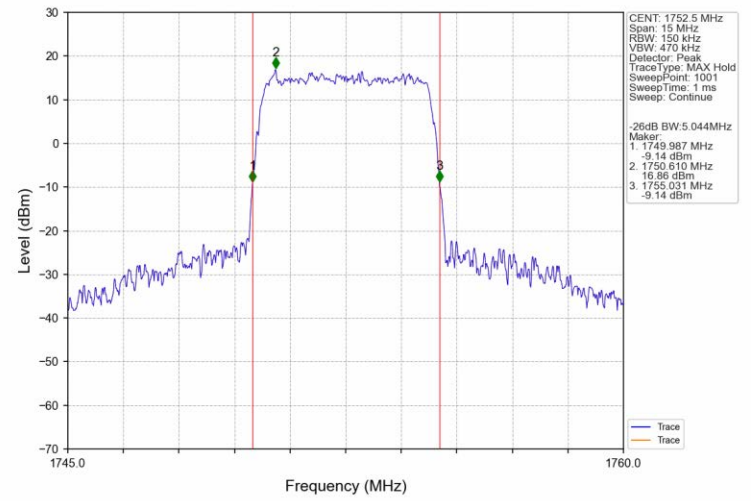
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



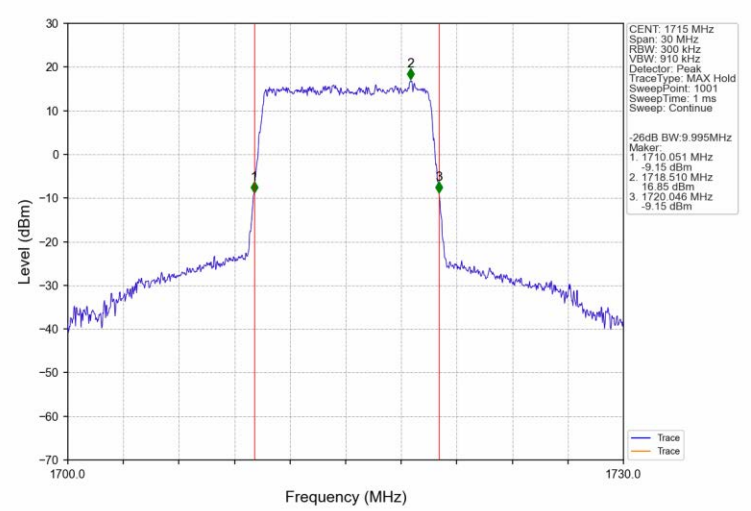
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



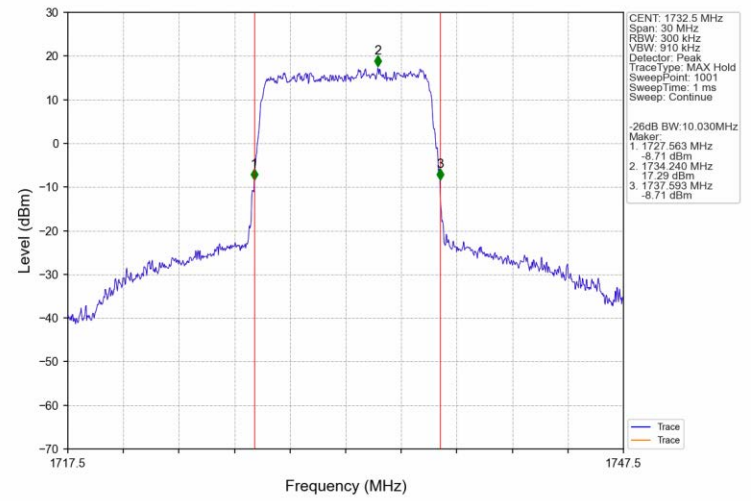
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



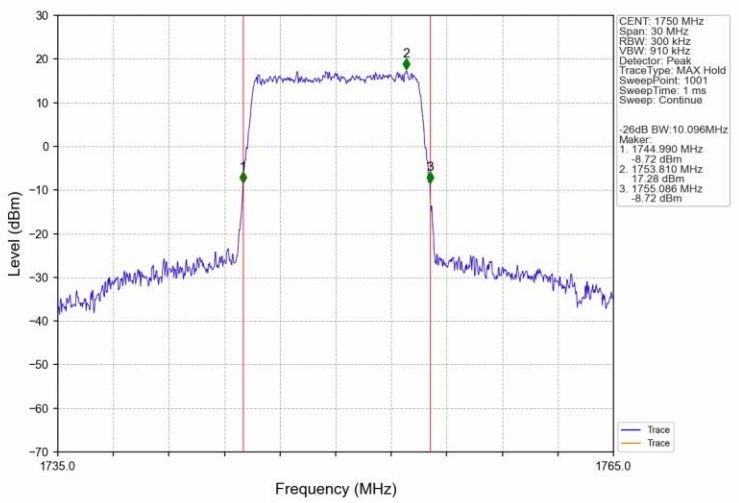
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



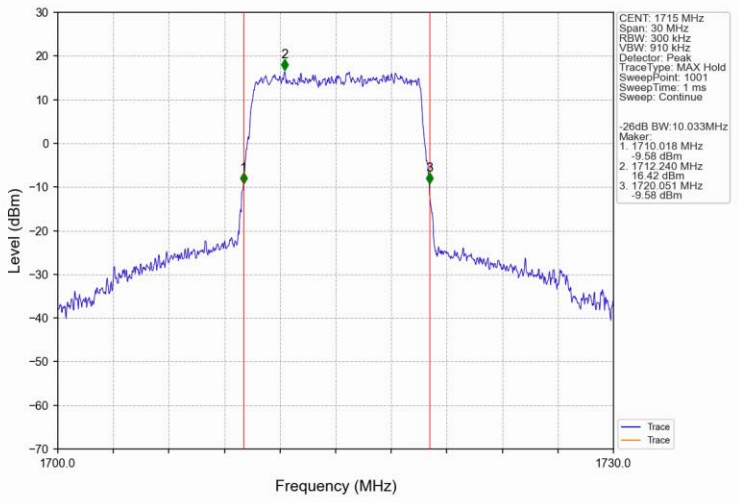
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



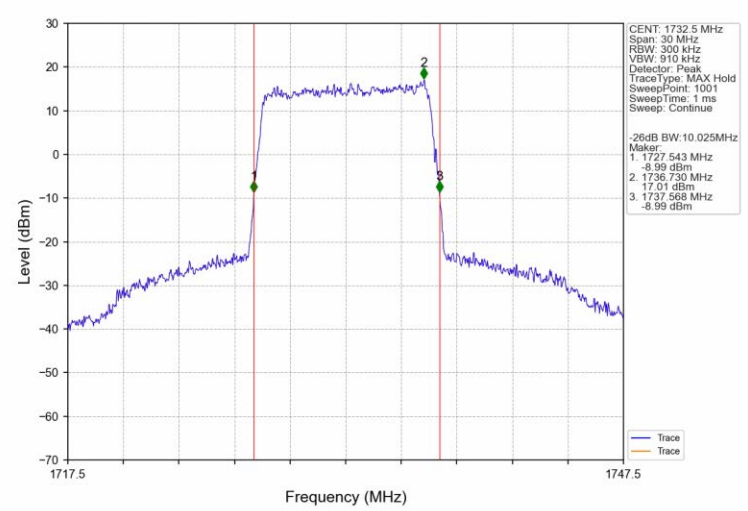
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



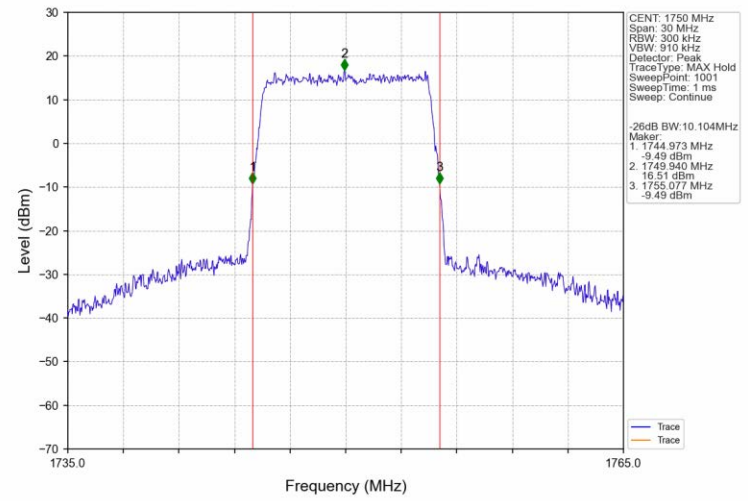
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



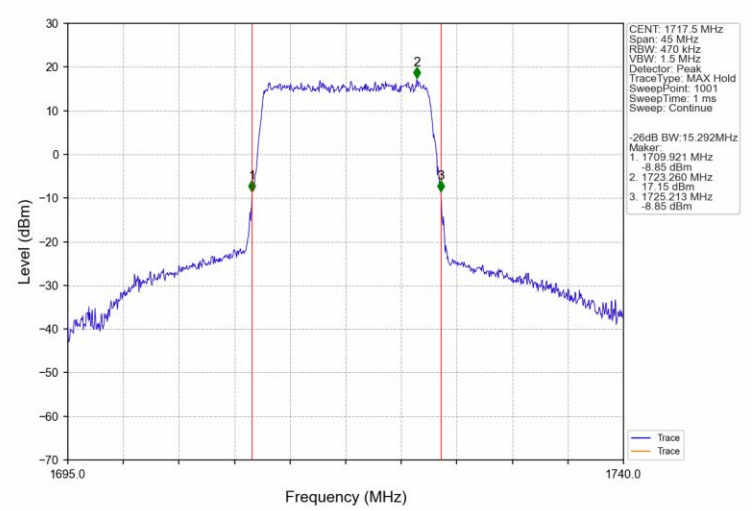
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



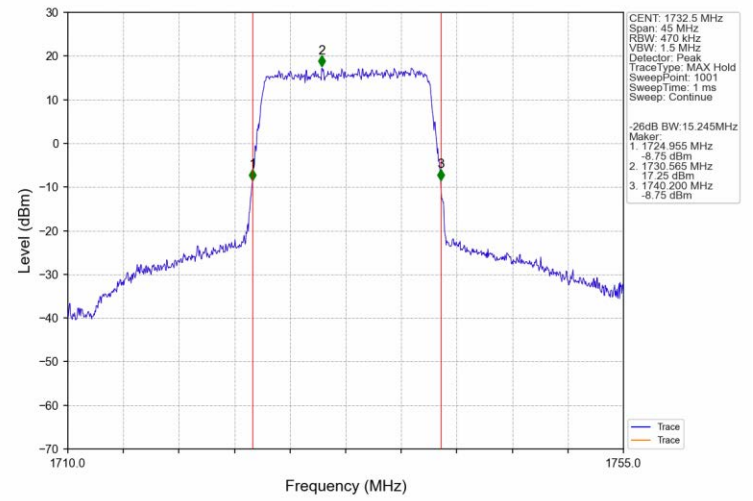
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



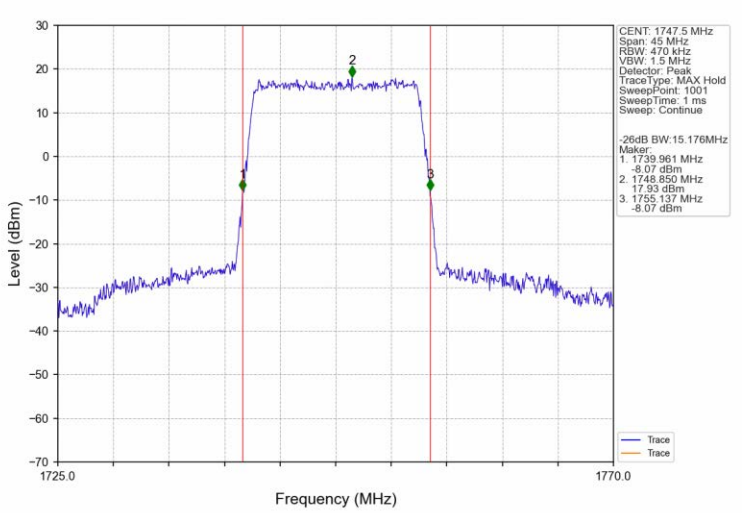
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



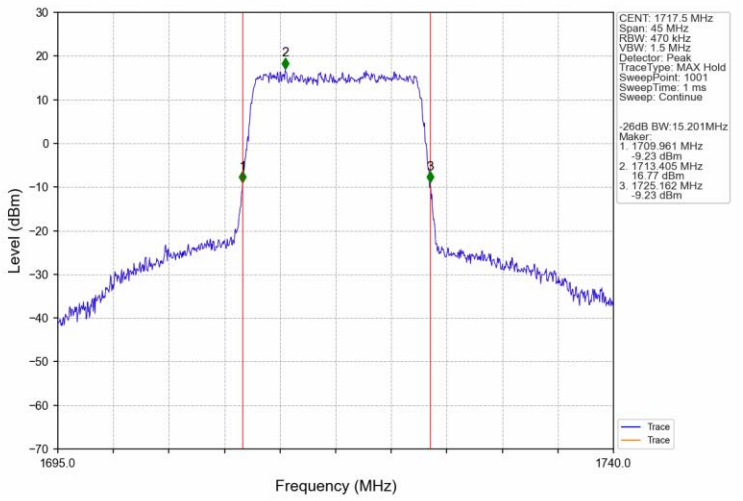
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



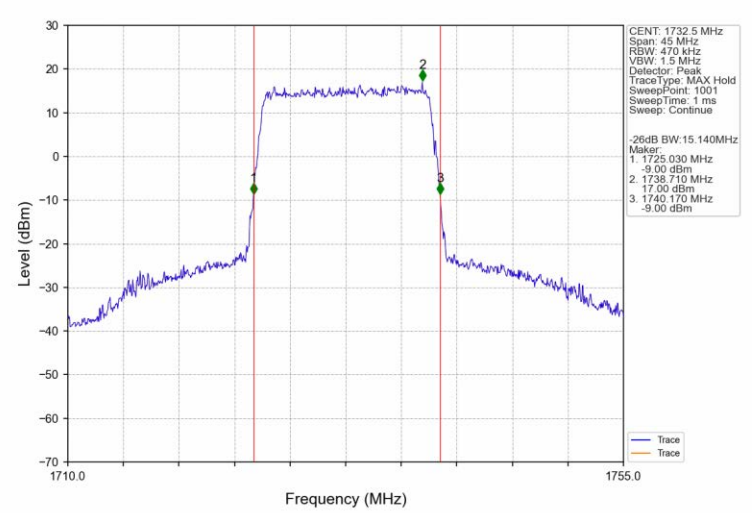
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



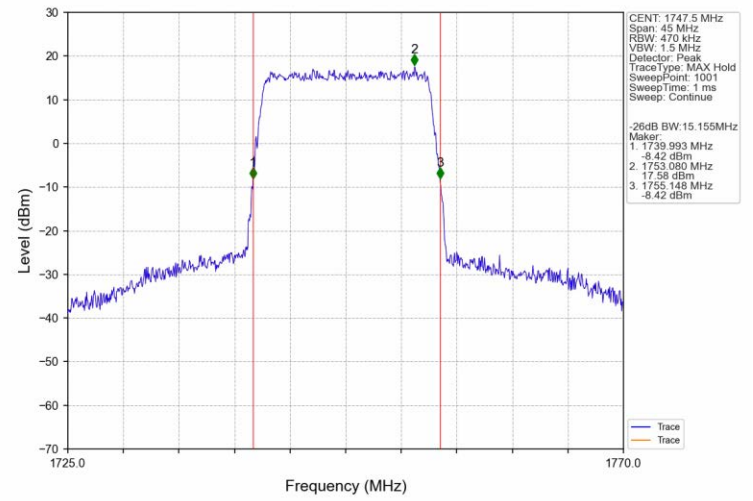
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



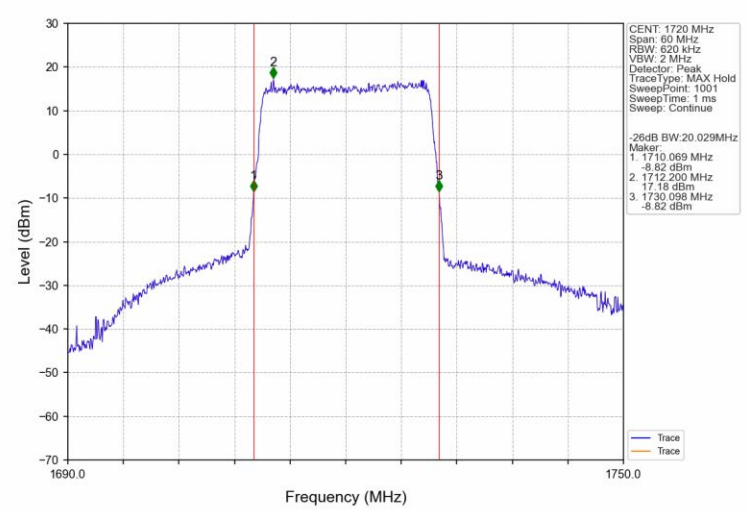
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



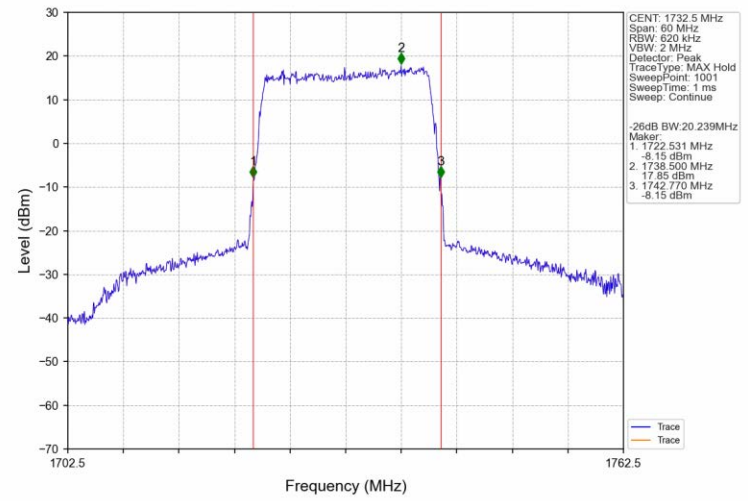
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



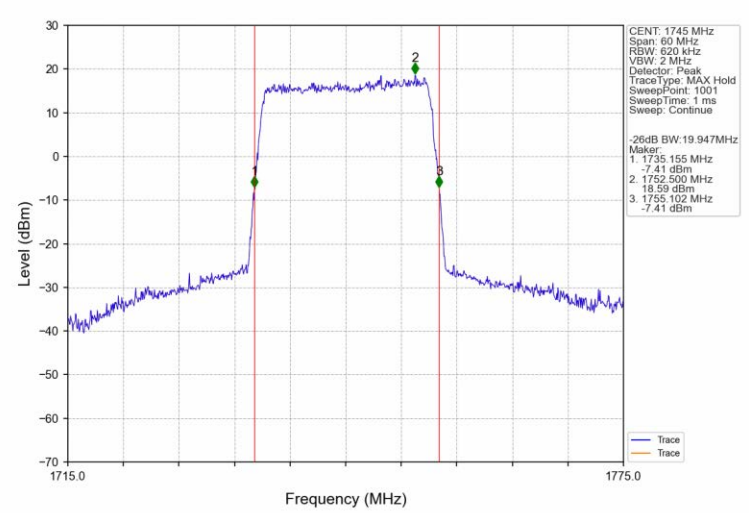
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



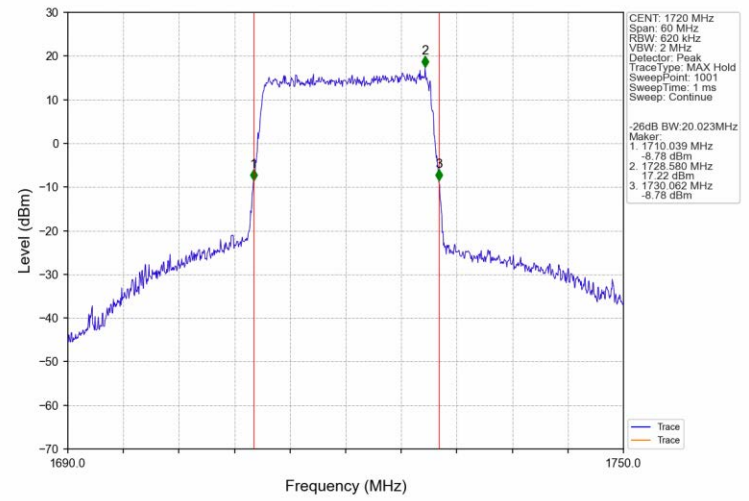
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



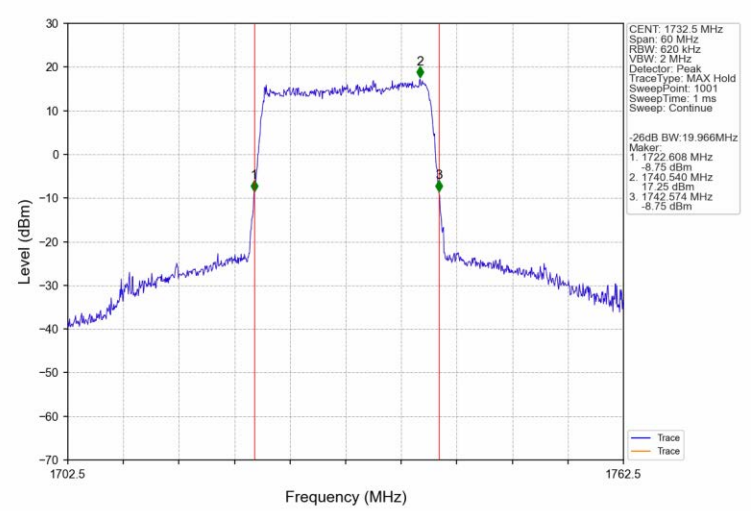
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



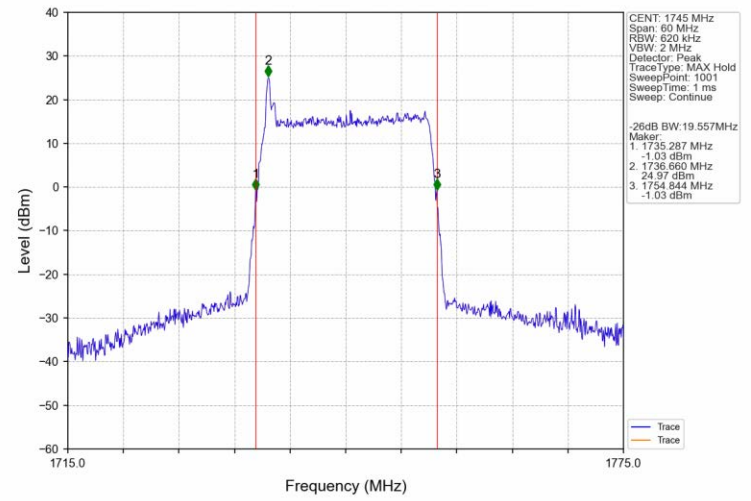
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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	5.94	<=13	Pass
	1732.5	6	0	6.06	<=13	Pass
	1754.3	6	0	5.51	<=13	Pass
16QAM	1710.7	6	0	6.65	<=13	Pass
	1732.5	6	0	6.88	<=13	Pass
	1754.3	6	0	6.18	<=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	5.97	<=13	Pass
	1732.5	15	0	6.04	<=13	Pass
	1753.5	15	0	5.53	<=13	Pass
16QAM	1711.5	15	0	6.75	<=13	Pass
	1732.5	15	0	6.81	<=13	Pass
	1753.5	15	0	6.37	<=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	5.92	<=13	Pass
	1732.5	25	0	5.93	<=13	Pass
	1752.5	25	0	5.64	<=13	Pass
16QAM	1712.5	25	0	6.60	<=13	Pass
	1732.5	25	0	6.72	<=13	Pass
	1752.5	25	0	6.32	<=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	5.96	<=13	Pass
	1732.5	50	0	5.95	<=13	Pass
	1750	50	0	5.70	<=13	Pass
16QAM	1715	50	0	6.64	<=13	Pass
	1732.5	50	0	6.71	<=13	Pass
	1750	50	0	6.43	<=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	5.37	<=13	Pass
	1732.5	75	0	5.34	<=13	Pass
	1747.5	75	0	5.24	<=13	Pass
16QAM	1717.5	75	0	6.37	<=13	Pass
	1732.5	75	0	6.39	<=13	Pass
	1747.5	75	0	6.30	<=13	Pass

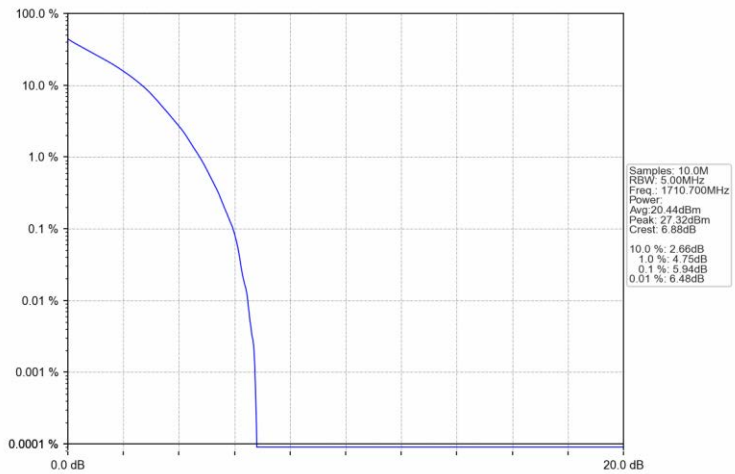
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.61	<=13	Pass
	1732.5	100	0	5.66	<=13	Pass
	1745	100	0	5.67	<=13	Pass
16QAM	1720	100	0	6.68	<=13	Pass
	1732.5	100	0	6.65	<=13	Pass
	1745	100	0	6.59	<=13	Pass

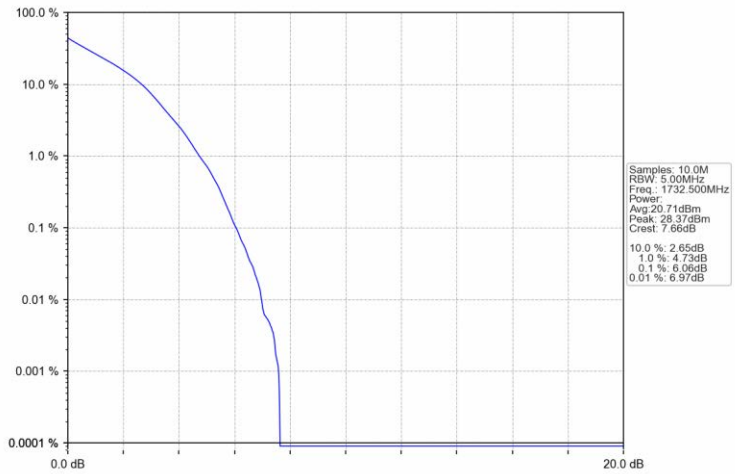
5.2 Test Graph

5.2.1 B4_1.4MHz

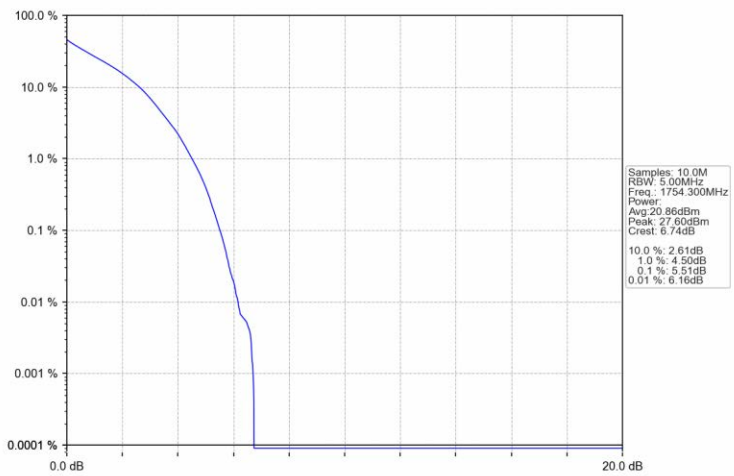
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



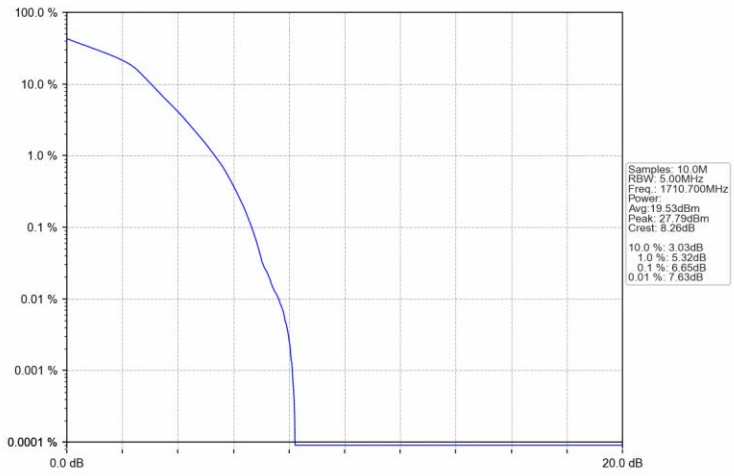
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



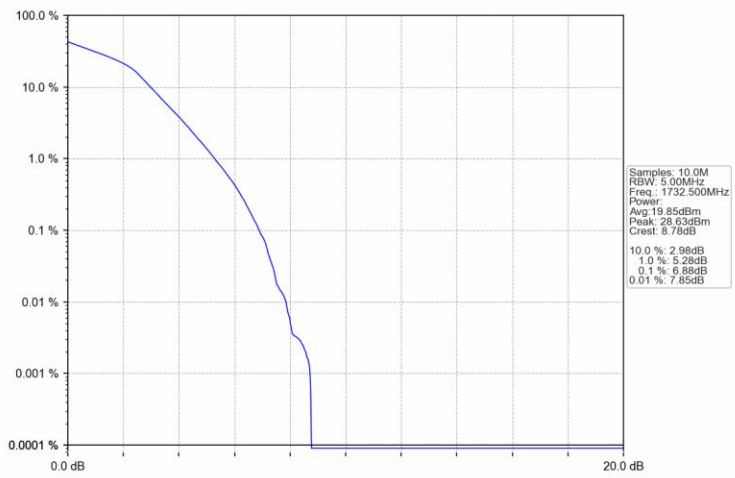
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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