1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.51	0.53	23.04	<=30	Pass
			2	22.65	0.53	23.18	<=30	Pass
			5	22.51	0.53	23.04	<=30	Pass
		3	0	22.43	0.53	22.96	<=30	Pass
			2	22.43	0.53	22.96	<=30	Pass
			3	22.42	0.53	22.95	<=30	Pass
		6	0	21.65	0.53	22.18	<=30	Pass
	1732.5	1	0	22.25	0.53	22.78	<=30	Pass
			2	22.38	0.53	22.91	<=30	Pass
			5	22.21	0.53	22.74	<=30	Pass
		3	0	22.31	0.53	22.84	<=30	Pass
			2	22.32	0.53	22.85	<=30	Pass
			3	22.34	0.53	22.87	<=30	Pass
		6	0	21.31	0.53	21.84	<=30	Pass
	1754.3	1	0	21.92	0.53	22.45	<=30	Pass
			2	22.02	0.53	22.55	<=30	Pass
			5	21.94	0.53	22.47	<=30	Pass
		3	0	21.79	0.53	22.32	<=30	Pass
			2	21.84	0.53	22.37	<=30	Pass
			3	21.76	0.53	22.29	<=30	Pass
		6	0	21.15	0.53	21.68	<=30	Pass
16QAM	1710.7	1	0	21.44	0.53	21.97	<=30	Pass
			2	21.52	0.53	22.05	<=30	Pass
			5	21.48	0.53	22.01	<=30	Pass
		3	0	21.47	0.53	22.00	<=30	Pass
			2	21.47	0.53	22.00	<=30	Pass
			3	21.44	0.53	21.97	<=30	Pass
		6	0	20.42	0.53	20.95	<=30	Pass
	1732.5	1	0	21.29	0.53	21.82	<=30	Pass
			2	21.41	0.53	21.94	<=30	Pass
			5	21.31	0.53	21.84	<=30	Pass
		3	0	21.50	0.53	22.03	<=30	Pass
			2	21.48	0.53	22.01	<=30	Pass
			3	21.47	0.53	22.00	<=30	Pass
		6	0	20.24	0.53	20.77	<=30	Pass
	1754.3	1	0	20.96	0.53	21.49	<=30	Pass
			2	21.07	0.53	21.60	<=30	Pass
			5	20.94	0.53	21.47	<=30	Pass
		3	0	20.73	0.53	21.26	<=30	Pass
			2	20.78	0.53	21.31	<=30	Pass
			3	20.75	0.53	21.28	<=30	Pass
		6	0	19.92	0.53	20.45	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	22.69	0.53	23.22	<=30	Pass
			7	22.73	0.53	23.26	<=30	Pass
			14	22.60	0.53	23.13	<=30	Pass
		8	0	21.63	0.53	22.16	<=30	Pass
			4	21.66	0.53	22.19	<=30	Pass
			7	21.63	0.53	22.16	<=30	Pass
		15	0	21.53	0.53	22.06	<=30	Pass
	1732.5	1	0	22.26	0.53	22.79	<=30	Pass
			7	22.40	0.53	22.93	<=30	Pass
			14	22.22	0.53	22.75	<=30	Pass
		8	0	21.39	0.53	21.92	<=30	Pass
			4	21.38	0.53	21.91	<=30	Pass
			7	21.33	0.53	21.86	<=30	Pass
		15	0	21.38	0.53	21.91	<=30	Pass
	1753.5	1	0	22.05	0.53	22.58	<=30	Pass
			7	22.10	0.53	22.63	<=30	Pass
			14	22.04	0.53	22.57	<=30	Pass
		8	0	21.06	0.53	21.59	<=30	Pass
			4	21.08	0.53	21.61	<=30	Pass
			7	21.09	0.53	21.62	<=30	Pass
		15	0	20.96	0.53	21.49	<=30	Pass
16QAM	1711.5	1	0	21.54	0.53	22.07	<=30	Pass
			7	21.62	0.53	22.15	<=30	Pass
			14	21.45	0.53	21.98	<=30	Pass
		8	0	20.53	0.53	21.06	<=30	Pass
			4	20.56	0.53	21.09	<=30	Pass
			7	20.53	0.53	21.06	<=30	Pass
		15	0	20.48	0.53	21.01	<=30	Pass
	1732.5	1	0	21.54	0.53	22.07	<=30	Pass
			7	21.64	0.53	22.17	<=30	Pass
			14	21.49	0.53	22.02	<=30	Pass
		8	0	20.37	0.53	20.90	<=30	Pass
			4	20.37	0.53	20.90	<=30	Pass
			7	20.34	0.53	20.87	<=30	Pass
		15	0	20.32	0.53	20.85	<=30	Pass
	1753.5	1	0	21.32	0.53	21.85	<=30	Pass
			7	21.39	0.53	21.92	<=30	Pass
			14	21.23	0.53	21.76	<=30	Pass
		8	0	20.02	0.53	20.55	<=30	Pass
			4	20.06	0.53	20.59	<=30	Pass
			7	20.02	0.53	20.55	<=30	Pass
		15	0	19.88	0.53	20.41	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.38	0.53	22.91	<=30	Pass
			13	22.45	0.53	22.98	<=30	Pass
			24	22.29	0.53	22.82	<=30	Pass
		12	0	21.34	0.53	21.87	<=30	Pass
			6	21.43	0.53	21.96	<=30	Pass
			13	21.37	0.53	21.90	<=30	Pass
		25	0	21.35	0.53	21.88	<=30	Pass
	1732.5	1	0	22.12	0.53	22.65	<=30	Pass
			13	22.23	0.53	22.76	<=30	Pass
			24	22.10	0.53	22.63	<=30	Pass
		12	0	21.29	0.53	21.82	<=30	Pass
			6	21.30	0.53	21.83	<=30	Pass
			13	21.19	0.53	21.72	<=30	Pass
		25	0	21.28	0.53	21.81	<=30	Pass
	1752.5	1	0	21.84	0.53	22.37	<=30	Pass
			13	21.97	0.53	22.50	<=30	Pass
			24	21.84	0.53	22.37	<=30	Pass
		12	0	20.87	0.53	21.40	<=30	Pass
			6	20.93	0.53	21.46	<=30	Pass
			13	20.84	0.53	21.37	<=30	Pass
		25	0	20.84	0.53	21.37	<=30	Pass
16QAM	1712.5	1	0	21.39	0.53	21.92	<=30	Pass
			13	21.46	0.53	21.99	<=30	Pass
			24	21.31	0.53	21.84	<=30	Pass
		12	0	20.23	0.53	20.76	<=30	Pass
			6	20.34	0.53	20.87	<=30	Pass
			13	20.28	0.53	20.81	<=30	Pass
		25	0	20.27	0.53	20.80	<=30	Pass
	1732.5	1	0	21.44	0.53	21.97	<=30	Pass
			13	21.60	0.53	22.13	<=30	Pass
			24	21.44	0.53	21.97	<=30	Pass
		12	0	20.29	0.53	20.82	<=30	Pass
			6	20.37	0.53	20.90	<=30	Pass
			13	20.28	0.53	20.81	<=30	Pass
		25	0	20.23	0.53	20.76	<=30	Pass
	1752.5	1	0	20.61	0.53	21.14	<=30	Pass
			13	20.72	0.53	21.25	<=30	Pass
			24	20.56	0.53	21.09	<=30	Pass
		12	0	19.80	0.53	20.33	<=30	Pass
			6	19.84	0.53	20.37	<=30	Pass
			13	19.72	0.53	20.25	<=30	Pass
		25	0	19.78	0.53	20.31	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.47	0.53	23.00	<=30	Pass
			25	22.59	0.53	23.12	<=30	Pass
			49	22.25	0.53	22.78	<=30	Pass
		25	0	21.36	0.53	21.89	<=30	Pass
			13	21.43	0.53	21.96	<=30	Pass
			25	21.33	0.53	21.86	<=30	Pass
		50	0	21.33	0.53	21.86	<=30	Pass
	1732.5	1	0	22.12	0.53	22.65	<=30	Pass
			25	22.35	0.53	22.88	<=30	Pass
			49	22.07	0.53	22.60	<=30	Pass
		25	0	21.42	0.53	21.95	<=30	Pass
			13	21.34	0.53	21.87	<=30	Pass
			25	21.29	0.53	21.82	<=30	Pass
		50	0	21.36	0.53	21.89	<=30	Pass
	1750	1	0	21.92	0.53	22.45	<=30	Pass
			25	22.14	0.53	22.67	<=30	Pass
			49	21.88	0.53	22.41	<=30	Pass
		25	0	21.01	0.53	21.54	<=30	Pass
			13	20.97	0.53	21.50	<=30	Pass
			25	20.92	0.53	21.45	<=30	Pass
		50	0	20.95	0.53	21.48	<=30	Pass
16QAM	1715	1	0	21.35	0.53	21.88	<=30	Pass
			25	21.52	0.53	22.05	<=30	Pass
			49	21.20	0.53	21.73	<=30	Pass
		25	0	20.32	0.53	20.85	<=30	Pass
			13	20.38	0.53	20.91	<=30	Pass
			25	20.34	0.53	20.87	<=30	Pass
		50	0	20.27	0.53	20.80	<=30	Pass
	1732.5	1	0	21.36	0.53	21.89	<=30	Pass
			25	21.60	0.53	22.13	<=30	Pass
			49	21.33	0.53	21.86	<=30	Pass
		25	0	20.38	0.53	20.91	<=30	Pass
			13	20.35	0.53	20.88	<=30	Pass
			25	20.31	0.53	20.84	<=30	Pass
		50	0	20.33	0.53	20.86	<=30	Pass
	1750	1	0	21.46	0.53	21.99	<=30	Pass
			25	21.49	0.53	22.02	<=30	Pass
			49	21.10	0.53	21.63	<=30	Pass
		25	0	20.01	0.53	20.54	<=30	Pass
			13	19.96	0.53	20.49	<=30	Pass
			25	19.88	0.53	20.41	<=30	Pass
		50	0	19.91	0.53	20.44	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.30	0.53	22.83	<=30	Pass
			38	22.35	0.53	22.88	<=30	Pass
			74	21.94	0.53	22.47	<=30	Pass
		36	0	21.48	0.53	22.01	<=30	Pass
			18	21.48	0.53	22.01	<=30	Pass
			39	21.25	0.53	21.78	<=30	Pass
		75	0	21.38	0.53	21.91	<=30	Pass
	1732.5	1	0	21.97	0.53	22.50	<=30	Pass
			38	22.19	0.53	22.72	<=30	Pass
			74	21.89	0.53	22.42	<=30	Pass
		36	0	21.32	0.53	21.85	<=30	Pass
			18	21.27	0.53	21.80	<=30	Pass
			39	21.19	0.53	21.72	<=30	Pass
		75	0	21.31	0.53	21.84	<=30	Pass
	1747.5	1	0	21.86	0.53	22.39	<=30	Pass
			38	22.02	0.53	22.55	<=30	Pass
			74	21.73	0.53	22.26	<=30	Pass
		36	0	21.10	0.53	21.63	<=30	Pass
			18	21.11	0.53	21.64	<=30	Pass
			39	21.07	0.53	21.60	<=30	Pass
		75	0	21.14	0.53	21.67	<=30	Pass
16QAM	1717.5	1	0	21.45	0.53	21.98	<=30	Pass
			38	21.58	0.53	22.11	<=30	Pass
			74	21.41	0.53	21.94	<=30	Pass
		36	0	20.33	0.53	20.86	<=30	Pass
			18	20.34	0.53	20.87	<=30	Pass
			39	20.16	0.53	20.69	<=30	Pass
		75	0	20.25	0.53	20.78	<=30	Pass
	1732.5	1	0	21.25	0.53	21.78	<=30	Pass
			38	21.44	0.53	21.97	<=30	Pass
			74	21.15	0.53	21.68	<=30	Pass
		36	0	20.31	0.53	20.84	<=30	Pass
			18	20.31	0.53	20.84	<=30	Pass
			39	20.21	0.53	20.74	<=30	Pass
		75	0	20.26	0.53	20.79	<=30	Pass
	1747.5	1	0	21.50	0.53	22.03	<=30	Pass
			38	21.44	0.53	21.97	<=30	Pass
			74	20.94	0.53	21.47	<=30	Pass
		36	0	20.10	0.53	20.63	<=30	Pass
			18	20.06	0.53	20.59	<=30	Pass
			39	19.95	0.53	20.48	<=30	Pass
		75	0	20.02	0.53	20.55	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.07	0.53	22.60	<=30	Pass
			50	22.39	0.53	22.92	<=30	Pass
			99	21.79	0.53	22.32	<=30	Pass
		50	0	21.31	0.53	21.84	<=30	Pass
			25	21.27	0.53	21.80	<=30	Pass
			50	21.10	0.53	21.63	<=30	Pass
		100	0	21.24	0.53	21.77	<=30	Pass
	1732.5	1	0	21.82	0.53	22.35	<=30	Pass
			50	22.36	0.53	22.89	<=30	Pass
			99	21.73	0.53	22.26	<=30	Pass
		50	0	21.40	0.53	21.93	<=30	Pass
			25	21.25	0.53	21.78	<=30	Pass
			50	21.18	0.53	21.71	<=30	Pass
		100	0	21.29	0.53	21.82	<=30	Pass
	1745	1	0	21.77	0.53	22.30	<=30	Pass
			50	22.14	0.53	22.67	<=30	Pass
			99	21.53	0.53	22.06	<=30	Pass
		50	0	21.17	0.53	21.70	<=30	Pass
			25	21.08	0.53	21.61	<=30	Pass
			50	20.91	0.53	21.44	<=30	Pass
		100	0	21.05	0.53	21.58	<=30	Pass
16QAM	1720	1	0	21.45	0.53	21.98	<=30	Pass
			50	21.88	0.53	22.41	<=30	Pass
			99	21.47	0.53	22.00	<=30	Pass
		50	0	20.21	0.53	20.74	<=30	Pass
			25	20.24	0.53	20.77	<=30	Pass
			50	20.06	0.53	20.59	<=30	Pass
		100	0	20.18	0.53	20.71	<=30	Pass
	1732.5	1	0	21.09	0.53	21.62	<=30	Pass
			50	21.62	0.53	22.15	<=30	Pass
			99	21.01	0.53	21.54	<=30	Pass
		50	0	20.42	0.53	20.95	<=30	Pass
			25	20.29	0.53	20.82	<=30	Pass
			50	20.19	0.53	20.72	<=30	Pass
		100	0	20.29	0.53	20.82	<=30	Pass
	1745	1	0	21.17	0.53	21.70	<=30	Pass
			50	21.44	0.53	21.97	<=30	Pass
			99	20.64	0.53	21.17	<=30	Pass
		50	0	20.13	0.53	20.66	<=30	Pass
			25	20.04	0.53	20.57	<=30	Pass
			50	19.88	0.53	20.41	<=30	Pass
		100	0	20.04	0.53	20.57	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-2.604	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-9.427	-0.0054	-2.5 to 2.5	Pass
					3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-5.479	-0.0031	-2.5 to 2.5	Pass
					3.85	-6.552	-0.0037	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-8.712	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-5.350	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-19.212	-0.0112	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0033	-2.5 to 2.5	Pass
					4.43	1.316	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-43.359	-0.0250	-2.5 to 2.5	Pass
					3.85	-12.617	-0.0073	-2.5 to 2.5	Pass
					4.43	-9.155	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.280	-0.0036	-2.5 to 2.5	Pass

				-10	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-8.726	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-9.055	-0.0052	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.616	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-7.782	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-8.082	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-4.463	-0.0026	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
					4.43	-6.151	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				50	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-9.828	-0.0057	-2.5 to 2.5	Pass
					3.85	-11.616	-0.0067	-2.5 to 2.5	Pass
					4.43	-9.112	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-7.195	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-6.566	-0.0037	-2.5 to 2.5	Pass
					3.85	-7.739	-0.0044	-2.5 to 2.5	Pass
					4.43	-3.662	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-8.812	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass

16QAM	1711.5	15	0	20	3.27	-2.074	-0.0012	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.536	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.817	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				40	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.443	0.0003	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-4.678	-0.0027	-2.5 to 2.5	Pass
					3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
					4.43	-5.364	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-4.621	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-18.311	-0.0104	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-5.536	-0.0032	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-4.907	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-10.571	-0.0061	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-8.283	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass

				0	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-10.829	-0.0062	-2.5 to 2.5	Pass
					3.85	-9.313	-0.0053	-2.5 to 2.5	Pass
					4.43	-4.849	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-7.381	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-8.583	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-7.768	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-6.866	-0.0040	-2.5 to 2.5	Pass
					3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-5.994	-0.0035	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-7.424	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-6.194	-0.0036	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-8.283	-0.0047	-2.5 to 2.5	Pass
					3.85	-8.626	-0.0049	-2.5 to 2.5	Pass
					4.43	-7.811	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-7.210	-0.0042	-2.5 to 2.5	Pass

					3.85	-10.629	-0.0062	-2.5 to 2.5	Pass
					4.43	-9.055	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-6.623	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-9.055	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
	1732.5	50	0		3.27	-10.800	-0.0062	-2.5 to 2.5	Pass
				20	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
					4.43	-2.961	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-7.424	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
	1750	50	0		3.27	-14.491	-0.0083	-2.5 to 2.5	Pass
				20	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-7.911	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-8.655	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
16QAM	1715	50	0		3.27	-8.497	-0.0050	-2.5 to 2.5	Pass
				20	3.85	-9.470	-0.0055	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-8.011	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-7.753	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-10.114	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-8.340	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-9.398	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-11.673	-0.0068	-2.5 to 2.5	Pass
	1732.5	50	0		3.27	-4.992	-0.0029	-2.5 to 2.5	Pass
				20	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
					4.43	-5.751	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-7.768	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
	1750	50	0		3.27	-6.509	-0.0037	-2.5 to 2.5	Pass
				20	3.85	-6.194	-0.0035	-2.5 to 2.5	Pass
					4.43	-7.367	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-8.311	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass

				-10	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-9.513	-0.0055	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.177	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.666	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-8.883	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-5.779	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-10.757	-0.0062	-2.5 to 2.5	Pass
					3.85	-8.712	-0.0050	-2.5 to 2.5	Pass
					4.43	-8.783	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-7.882	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-10.357	-0.0059	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
					4.43	-8.769	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-10.242	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-9.456	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-9.298	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-8.683	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-8.469	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-8.626	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-4.892	-0.0028	-2.5 to 2.5	Pass
					3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.310	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-8.783	-0.0051	-2.5 to 2.5	Pass

	1732.5	75	0	20	3.27	-4.148	-0.0024	-2.5 to 2.5	Pass
					3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
					4.43	-7.167	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.077	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-8.740	-0.0051	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-6.008	-0.0035	-2.5 to 2.5	Pass
					3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-7.467	-0.0043	-2.5 to 2.5	Pass
					3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
					4.43	-4.935	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass

				0	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				30	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-5.264	-0.0031	-2.5 to 2.5	Pass
					3.85	-7.524	-0.0044	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-7.682	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-9.799	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-9.613	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-8.769	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-9.313	-0.0054	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.275	-0.0013	-2.5 to 2.5	Pass
					3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
					4.43	-3.633	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.173	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
					4.43	0.672	0.0004	-2.5 to 2.5	Pass
				-30	3.85	7.153	0.0041	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass

3. Modulation Characteristics

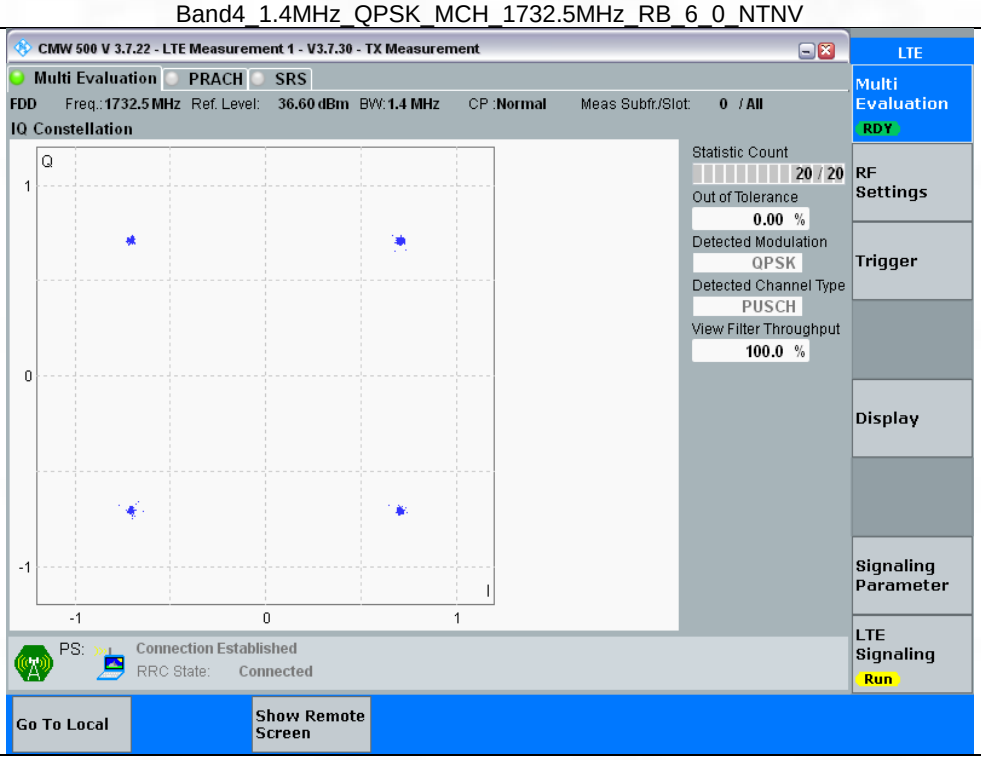
3.1 B4_1.4MHz

3.1.1 Test Result

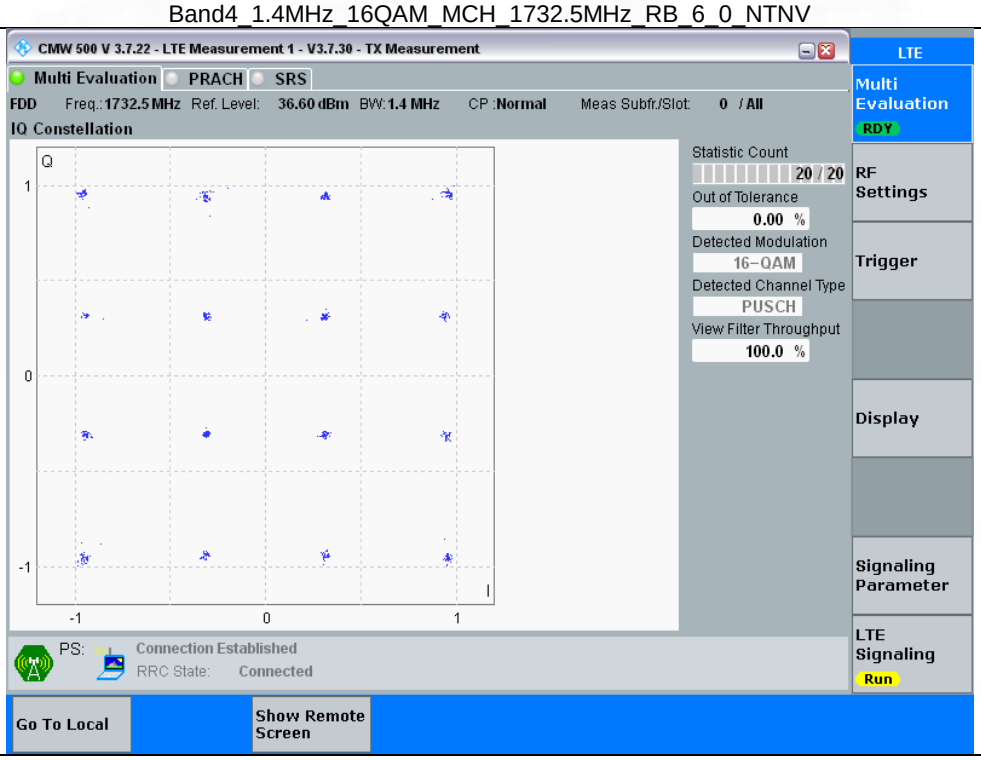
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



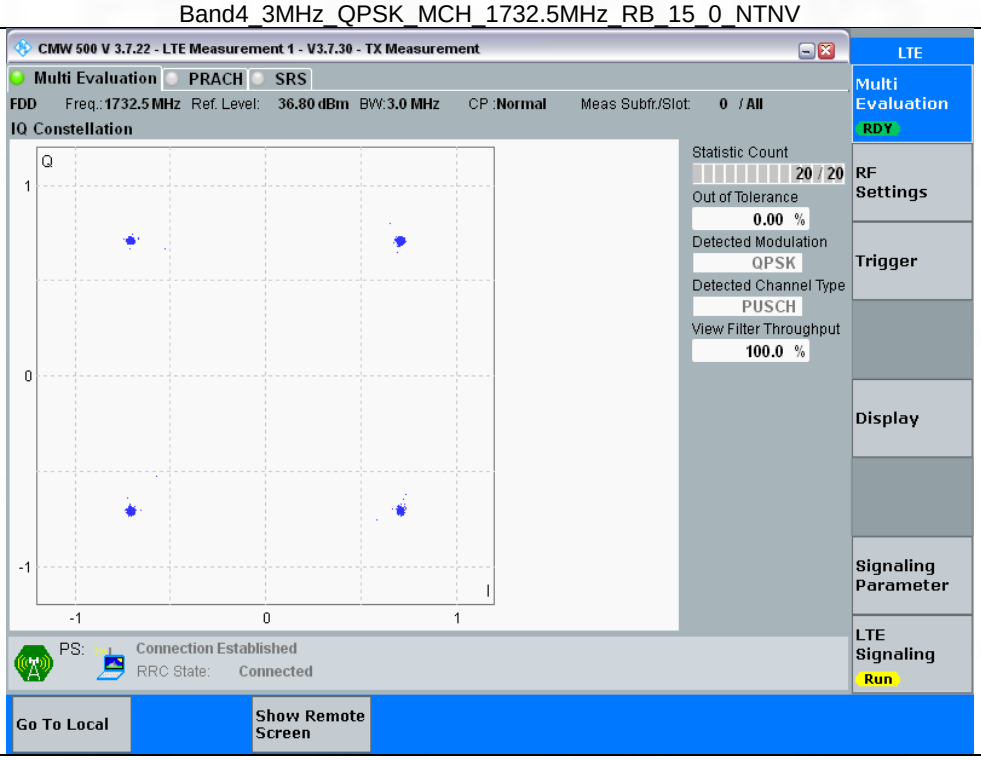
3.2 B4_3MHz

3.2.1 Test Result

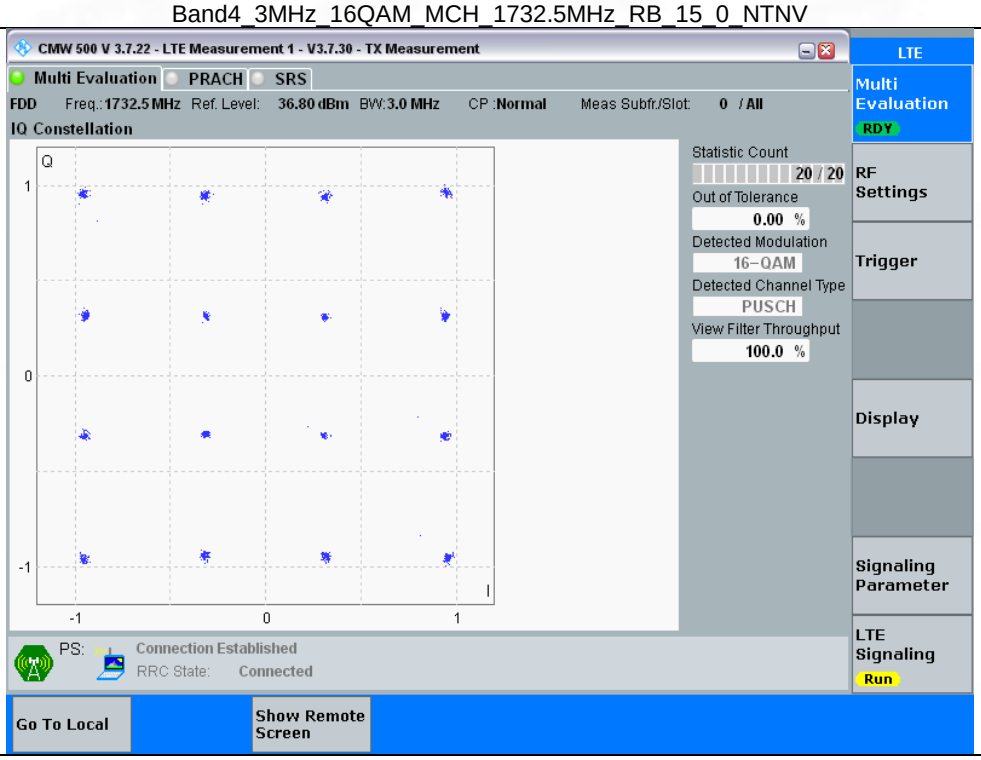
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



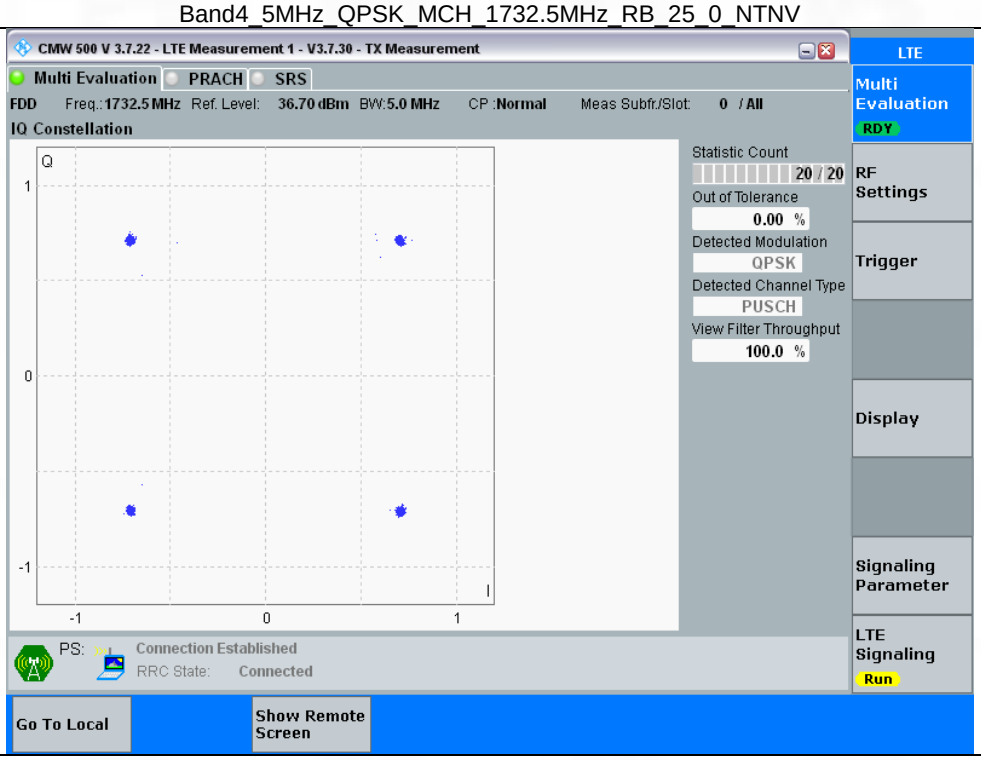
3.3 B4_5MHz

3.3.1 Test Result

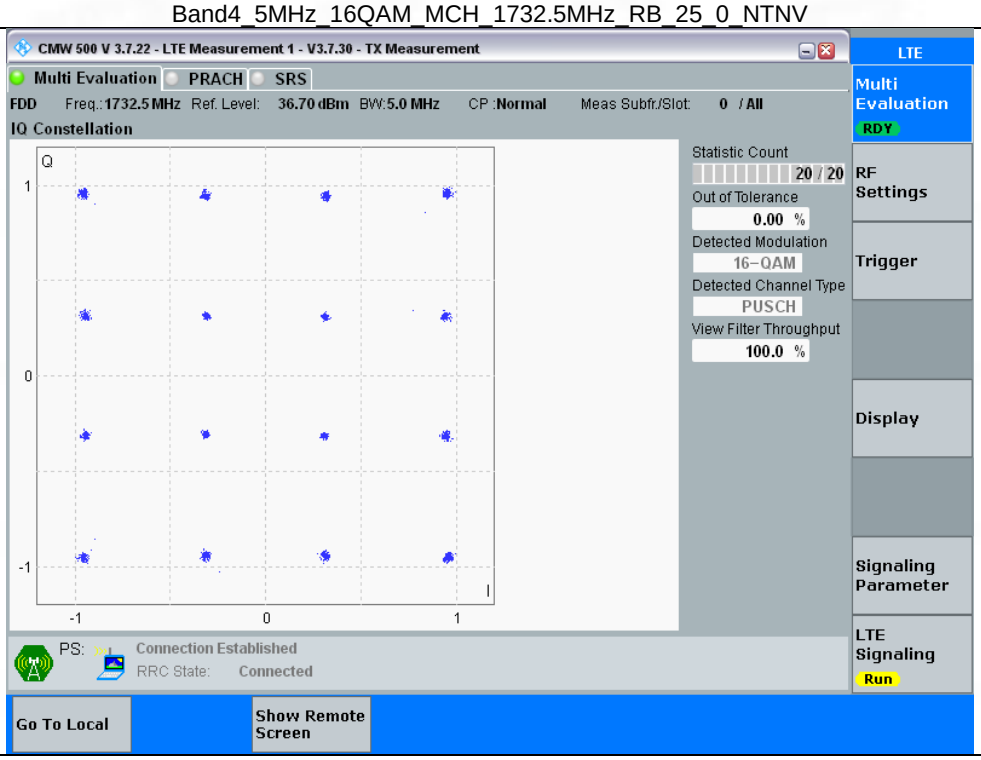
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



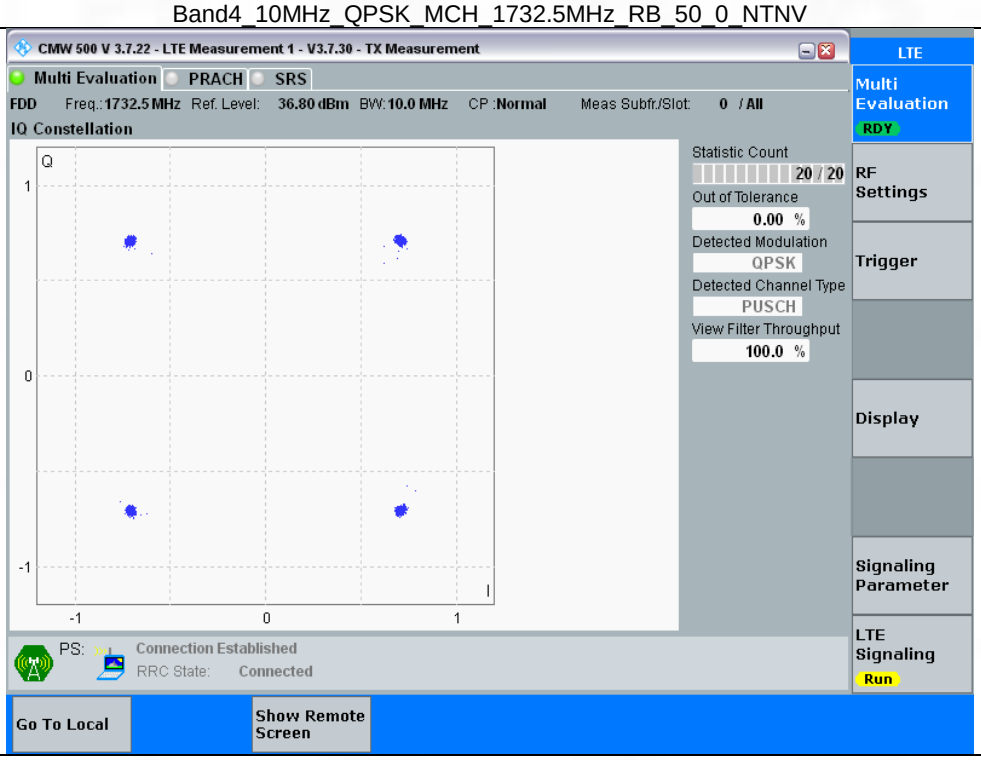
3.4 B4_10MHz

3.4.1 Test Result

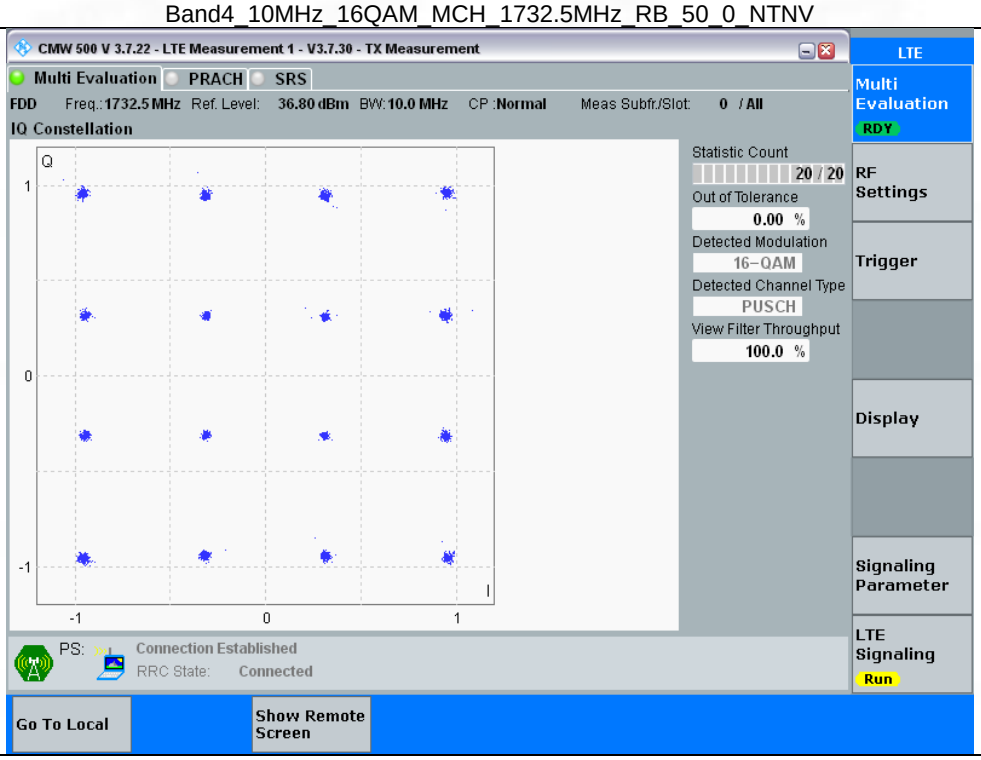
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



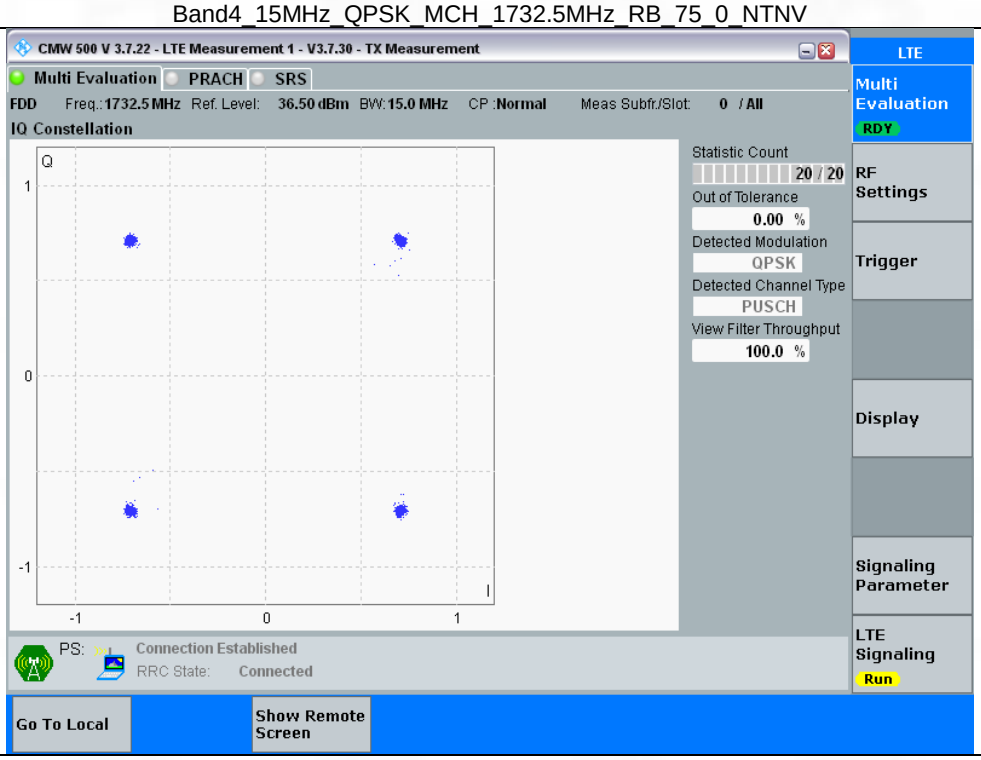
3.5 B4_15MHz

3.5.1 Test Result

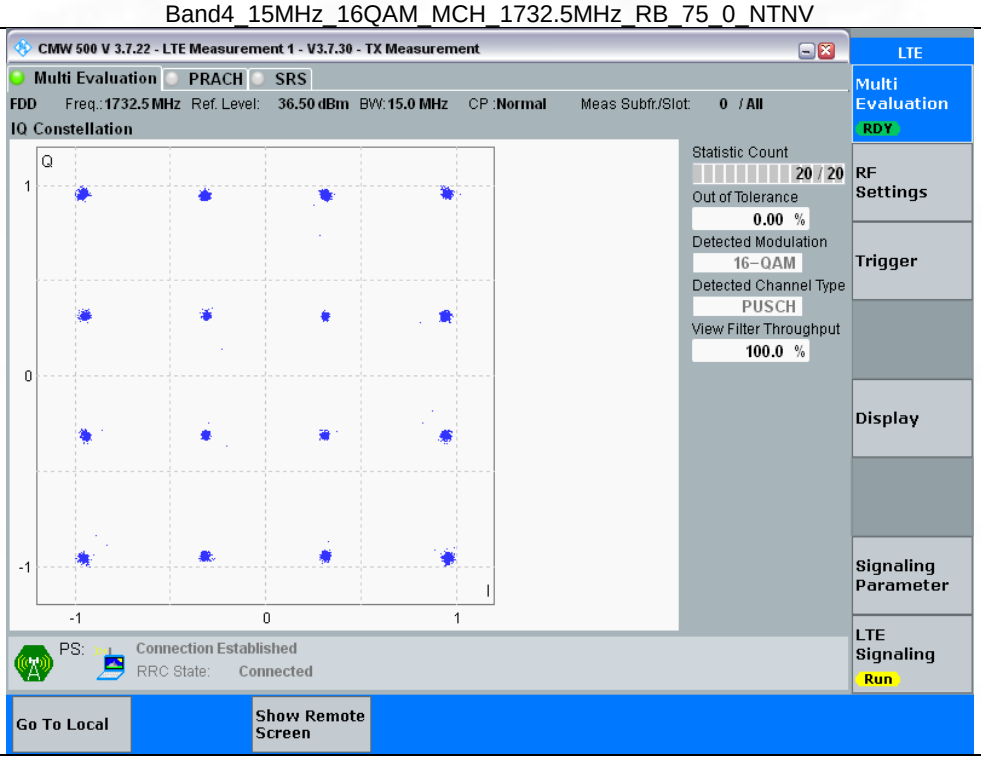
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



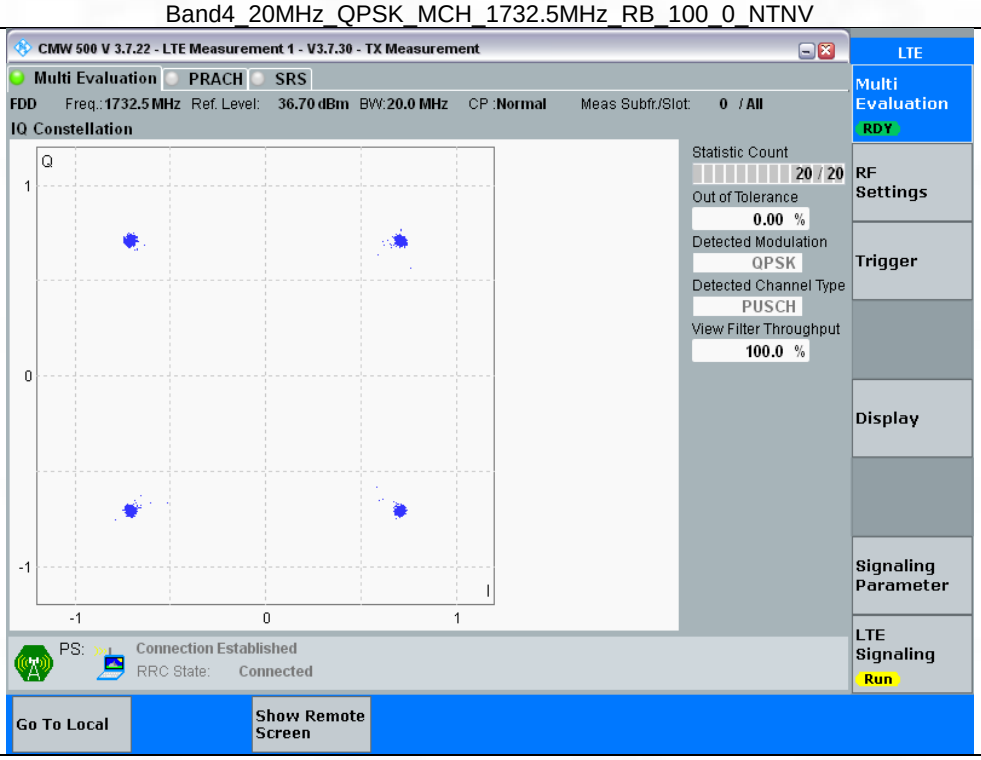
3.6 B4_20MHz

3.6.1 Test Result

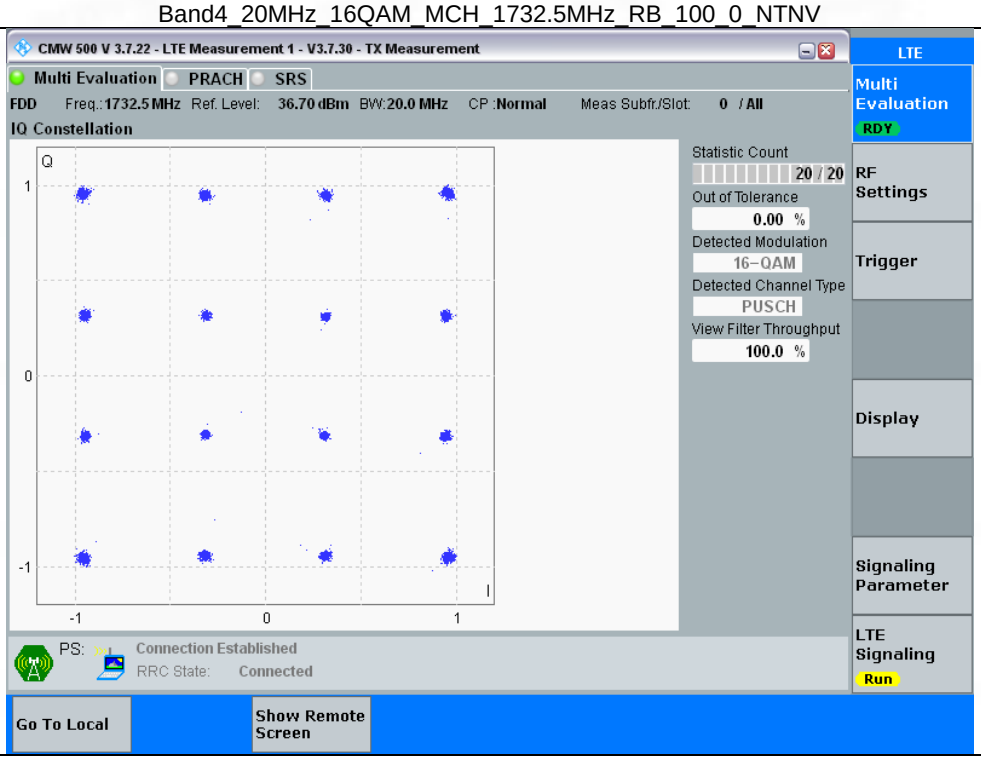
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

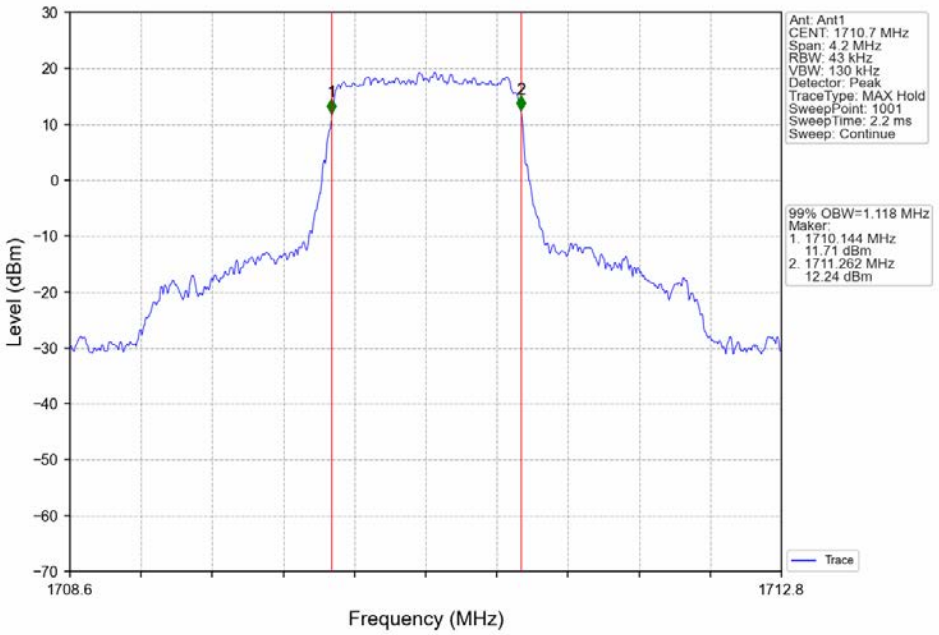
4.1 Band4_OBW

4.1.1 Test Result

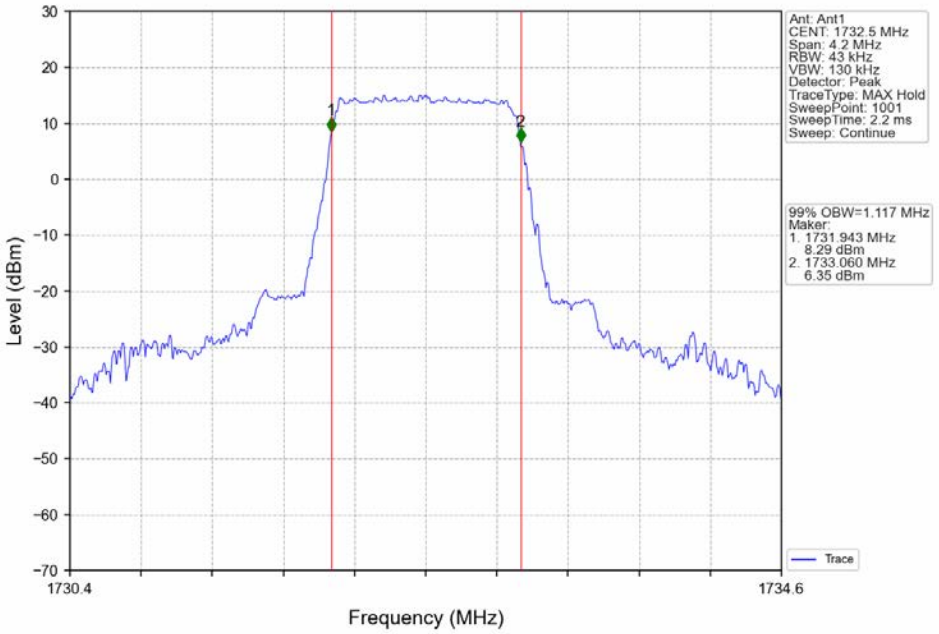
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.118	Pass
		1732.5	6	0	1.117	Pass
		1754.3	6	0	1.119	Pass
	16QAM	1710.7	6	0	1.114	Pass
		1732.5	6	0	1.099	Pass
		1754.3	6	0	1.117	Pass
3	QPSK	1711.5	15	0	2.740	Pass
		1732.5	15	0	2.729	Pass
		1753.5	15	0	2.733	Pass
	16QAM	1711.5	15	0	2.729	Pass
		1732.5	15	0	2.729	Pass
		1753.5	15	0	2.726	Pass
5	QPSK	1712.5	25	0	4.570	Pass
		1732.5	25	0	4.576	Pass
		1752.5	25	0	4.589	Pass
	16QAM	1712.5	25	0	4.604	Pass
		1732.5	25	0	4.590	Pass
		1752.5	25	0	4.581	Pass
10	QPSK	1715	50	0	9.072	Pass
		1732.5	50	0	9.098	Pass
		1750	50	0	9.059	Pass
	16QAM	1715	50	0	9.070	Pass
		1732.5	50	0	9.091	Pass
		1750	50	0	9.079	Pass
15	QPSK	1717.5	75	0	13.553	Pass
		1732.5	75	0	13.643	Pass
		1747.5	75	0	13.657	Pass
	16QAM	1717.5	75	0	13.589	Pass
		1732.5	75	0	13.663	Pass
		1747.5	75	0	13.606	Pass
20	QPSK	1720	100	0	18.045	Pass
		1732.5	100	0	18.148	Pass
		1745	100	0	18.201	Pass
	16QAM	1720	100	0	18.060	Pass
		1732.5	100	0	18.227	Pass
		1745	100	0	18.214	Pass

4.1.2 Test Graph

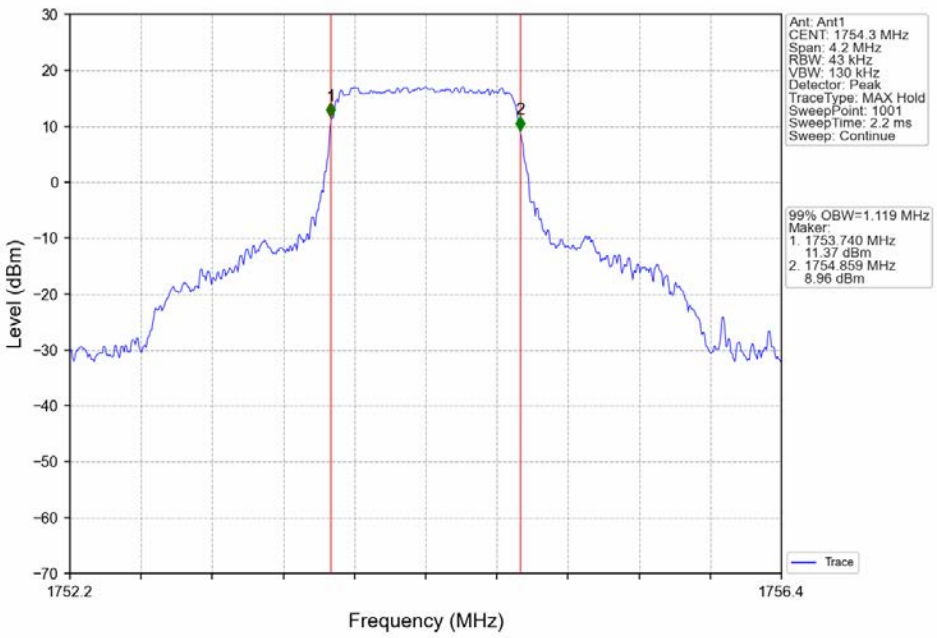
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



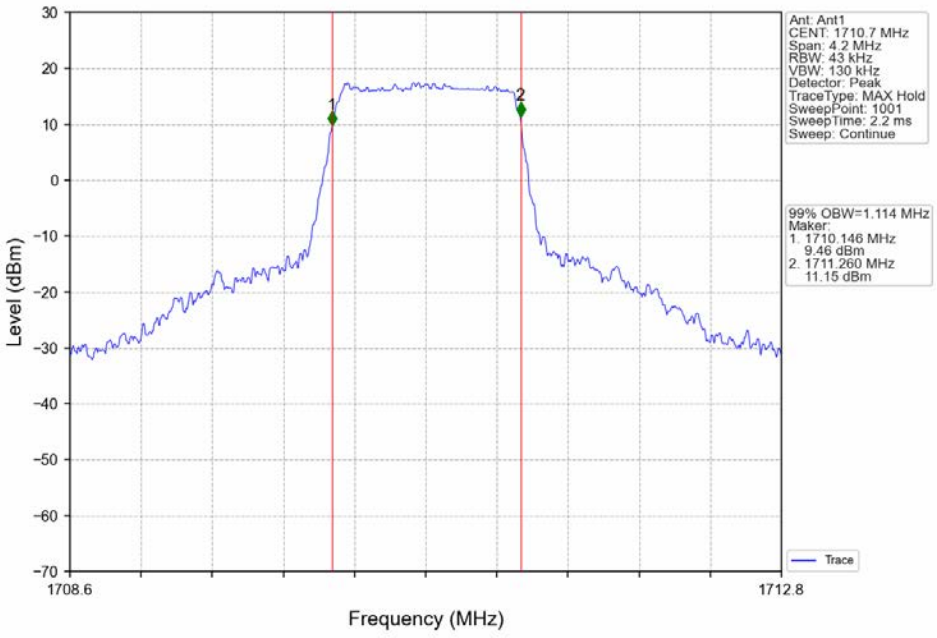
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



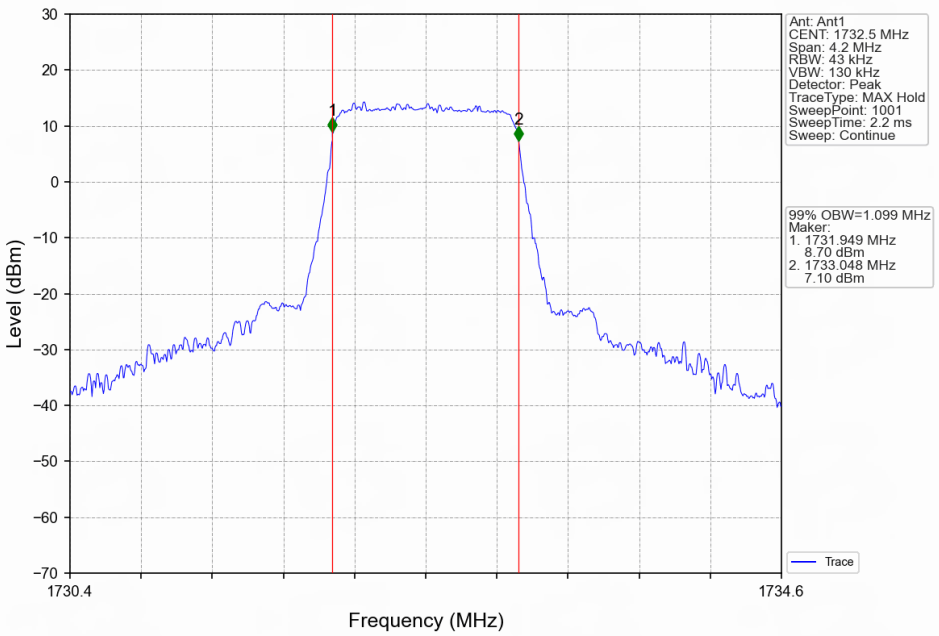
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



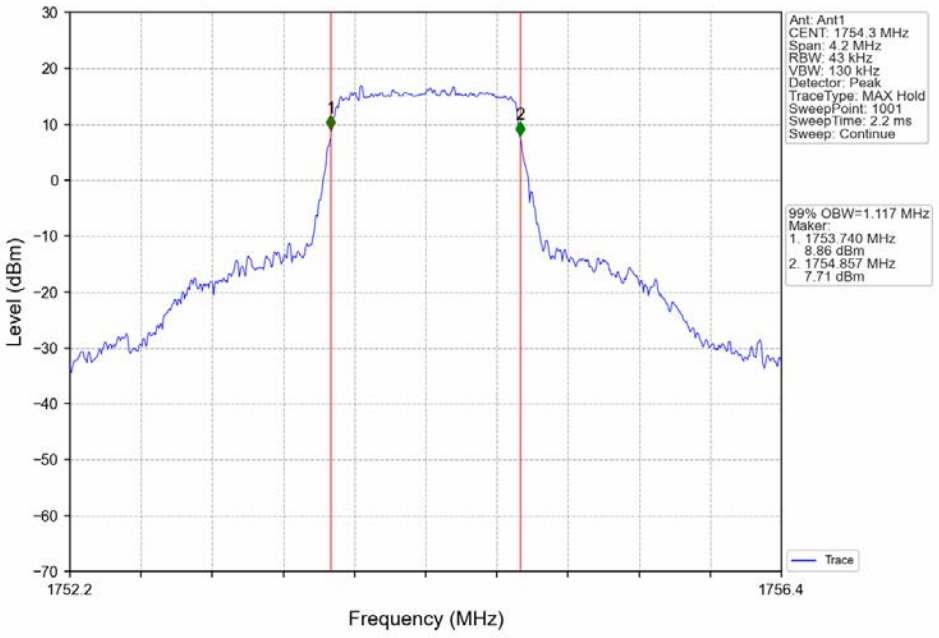
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



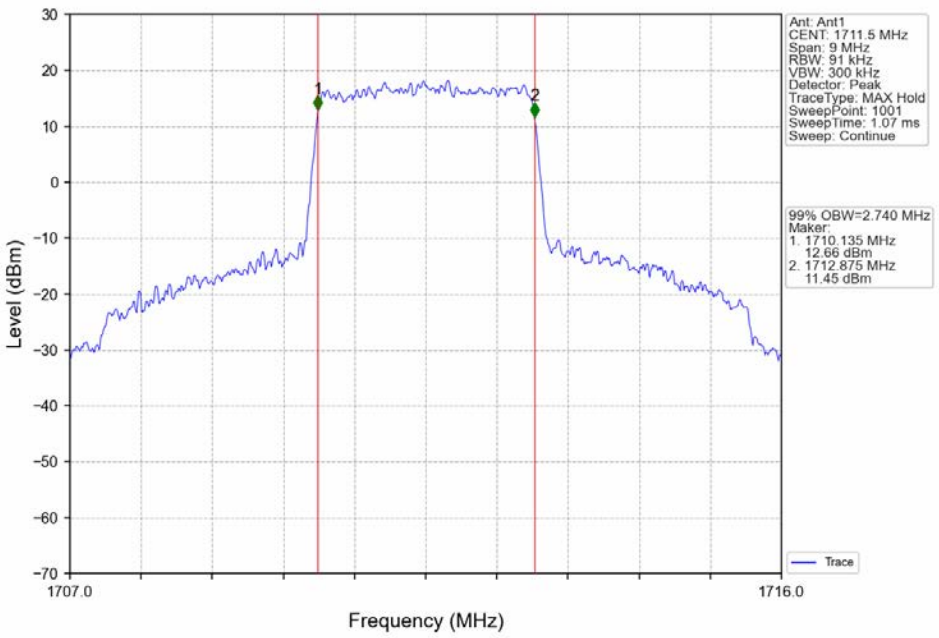
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



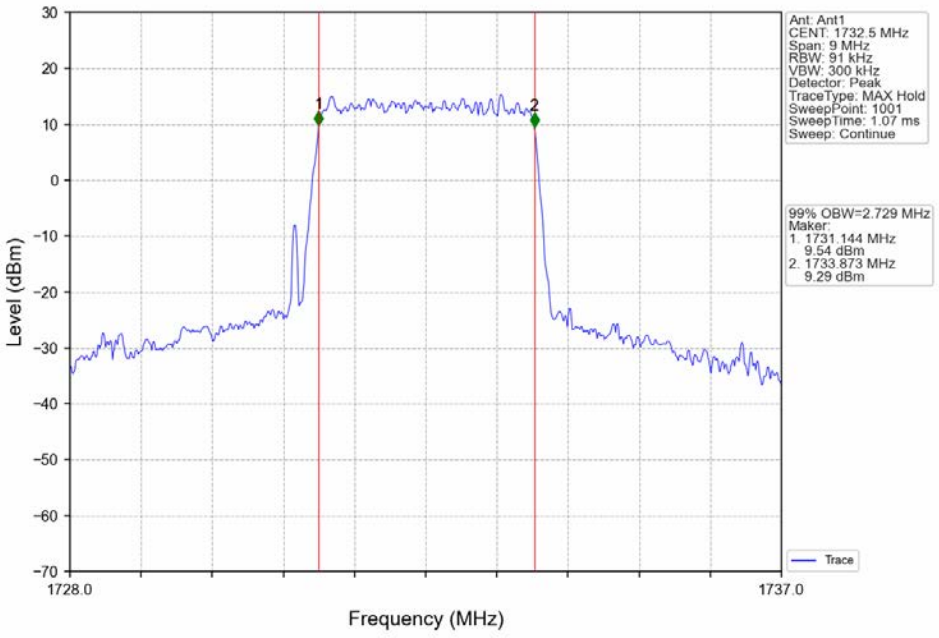
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



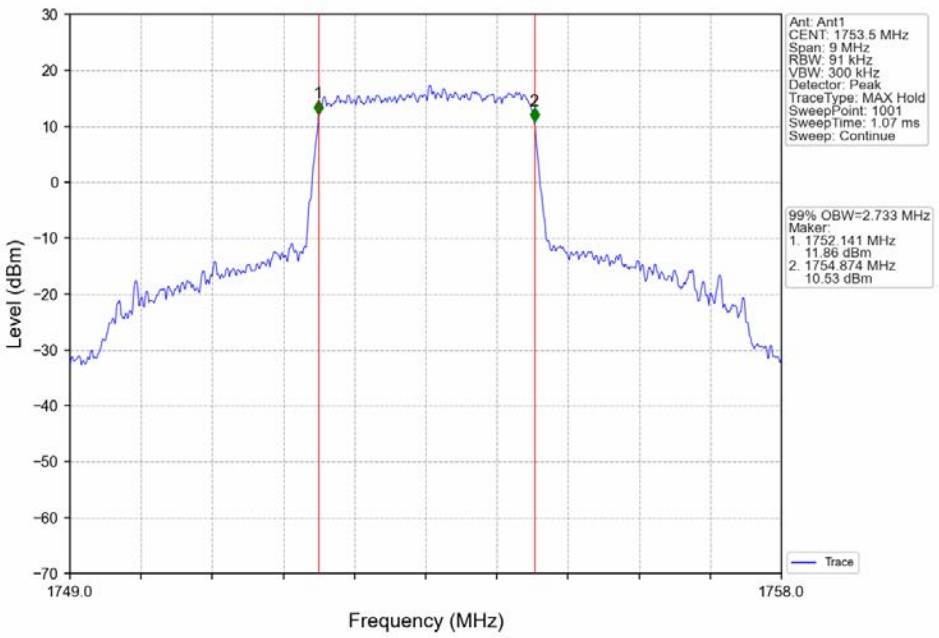
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



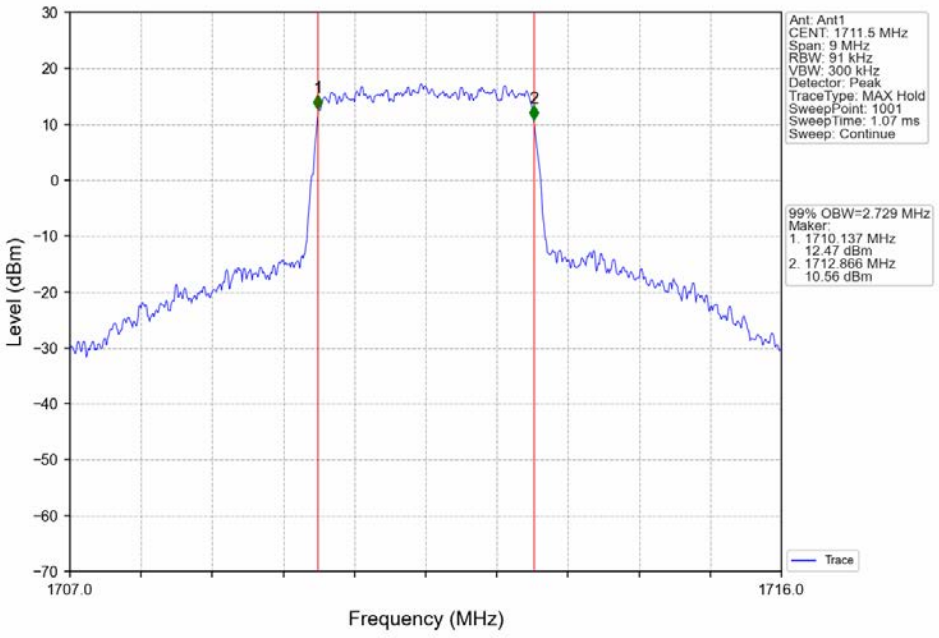
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



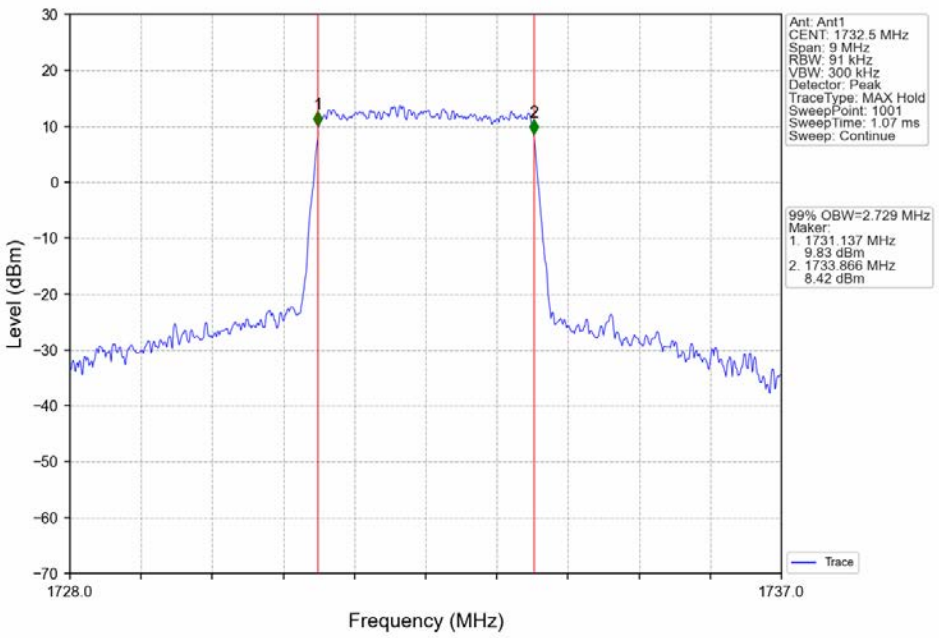
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



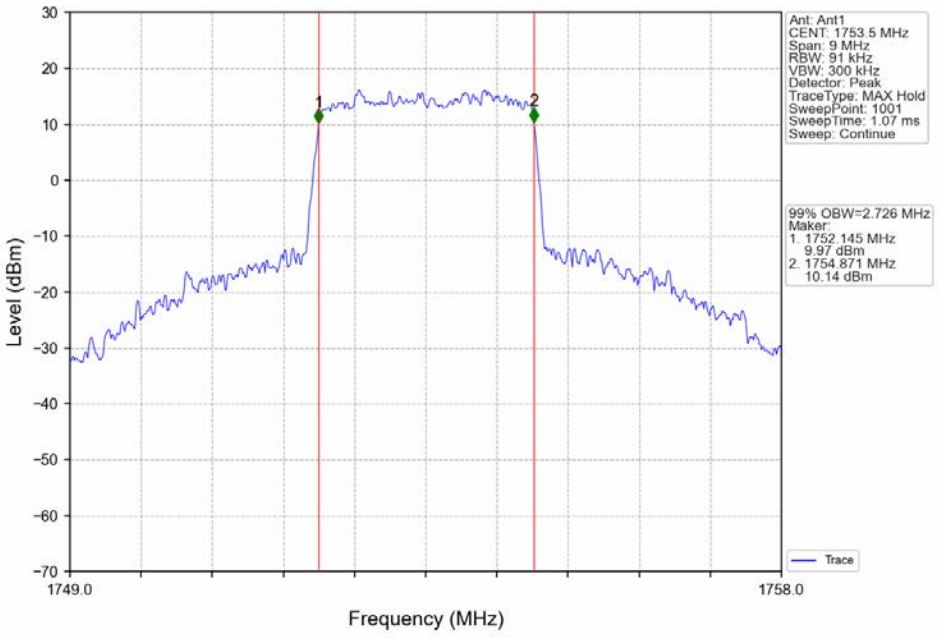
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



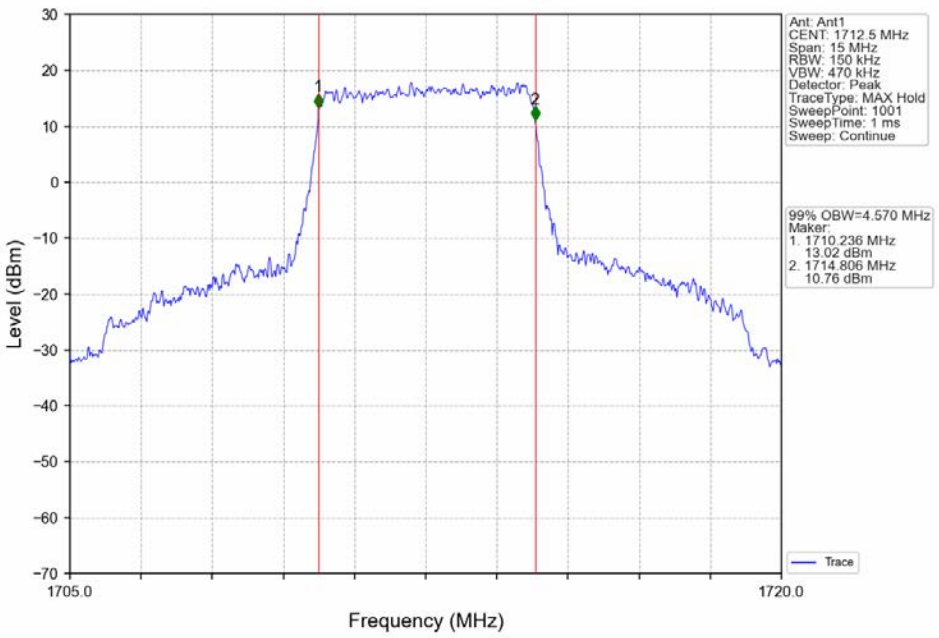
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



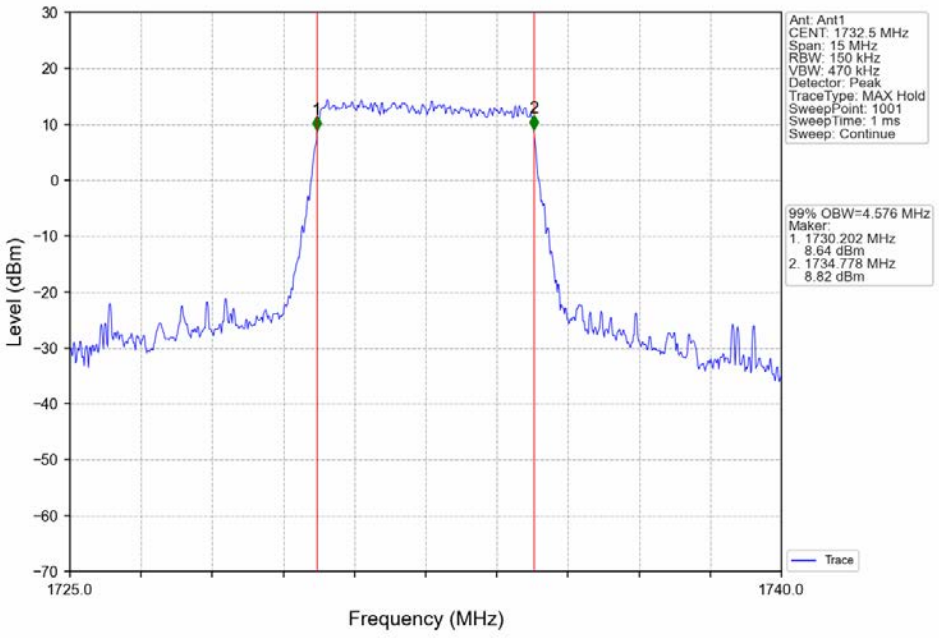
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



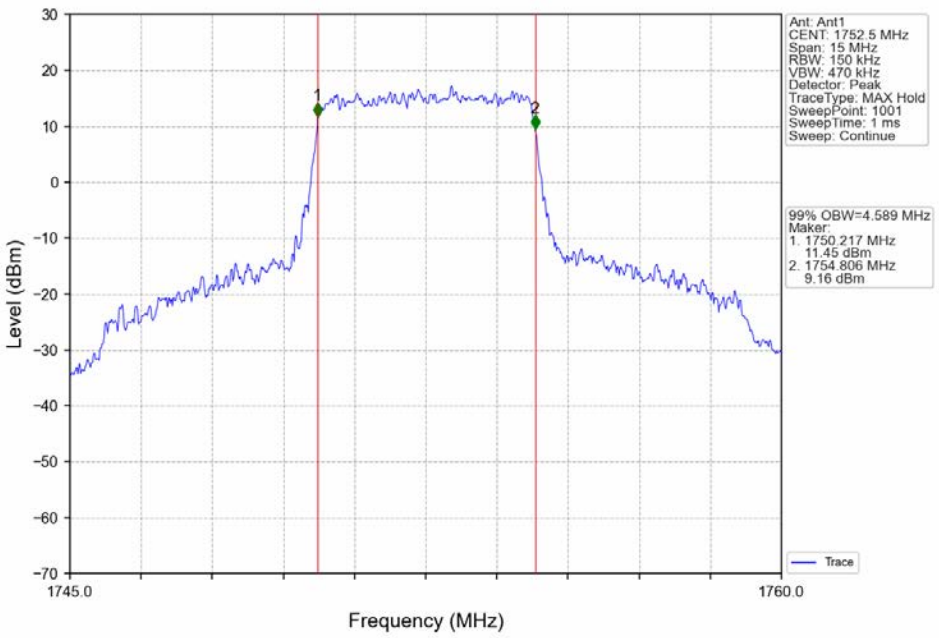
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



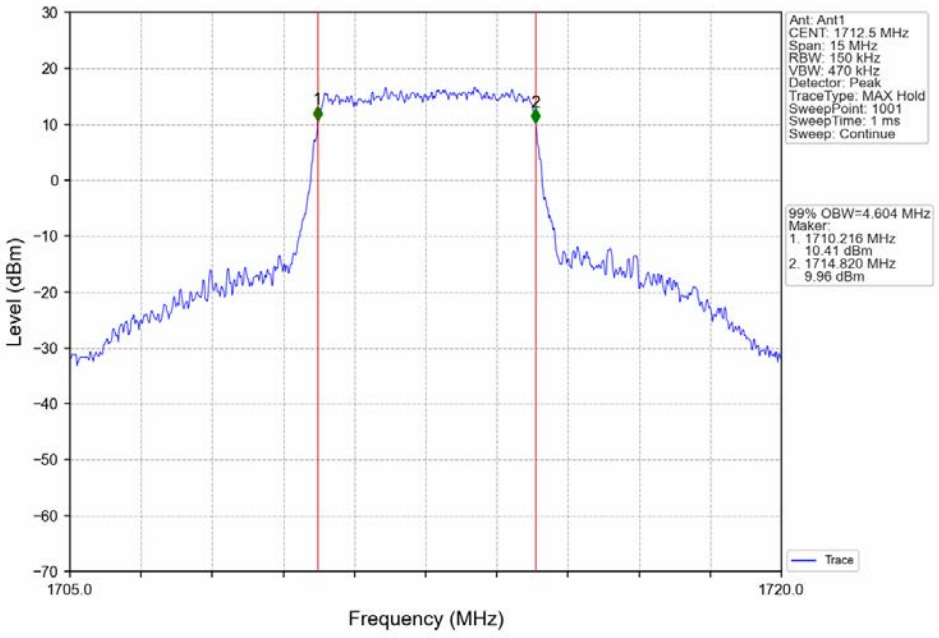
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



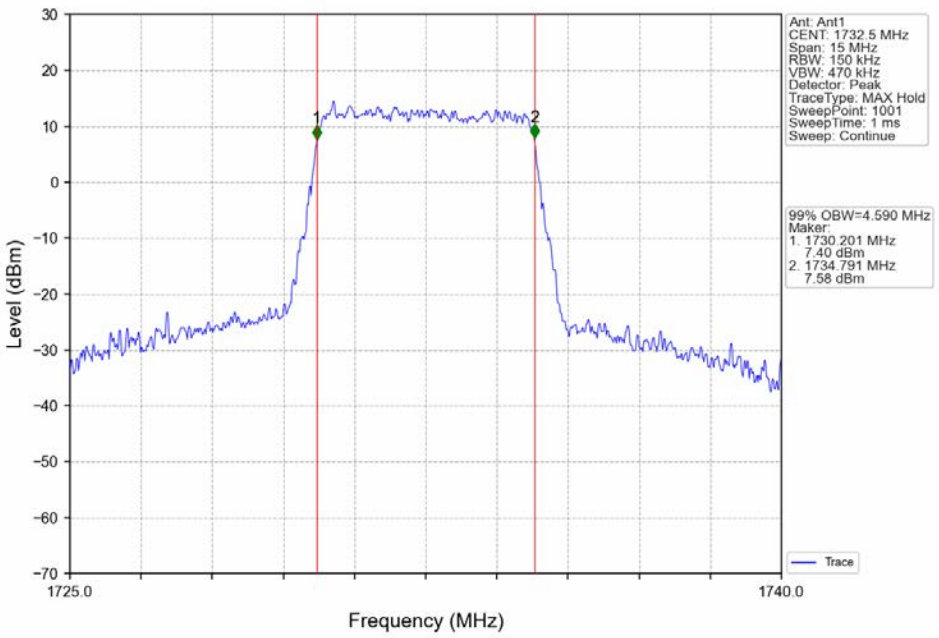
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



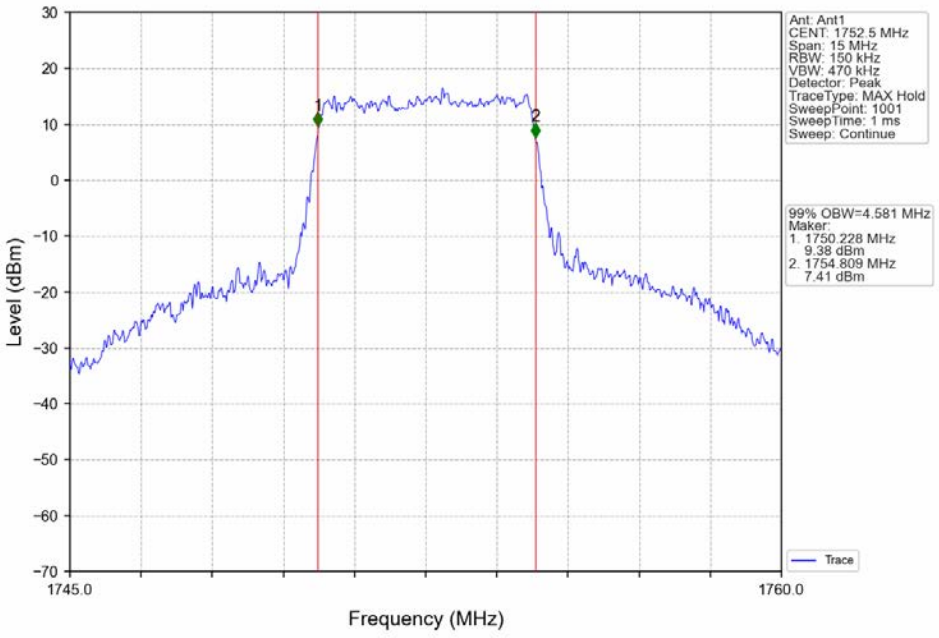
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



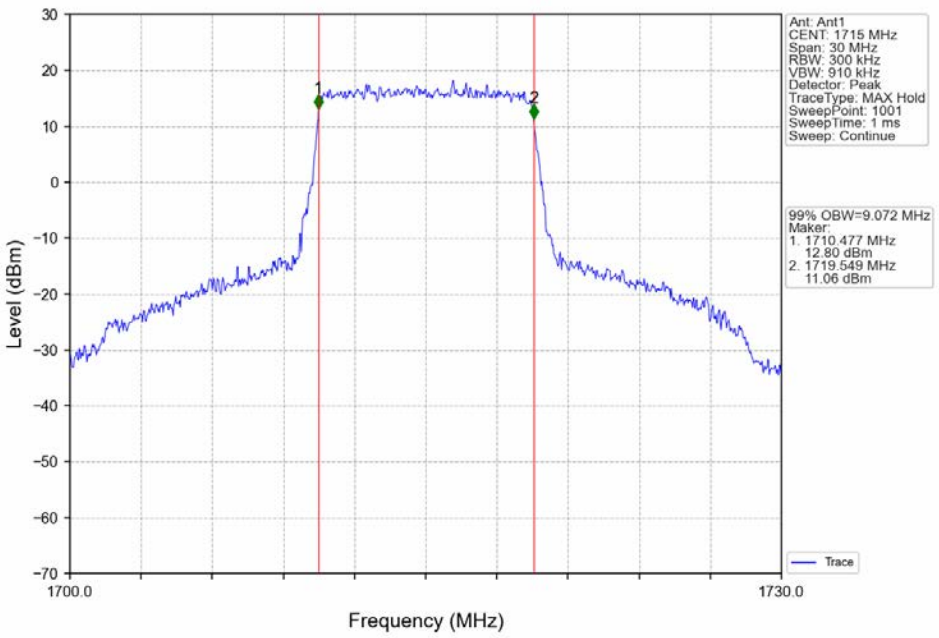
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



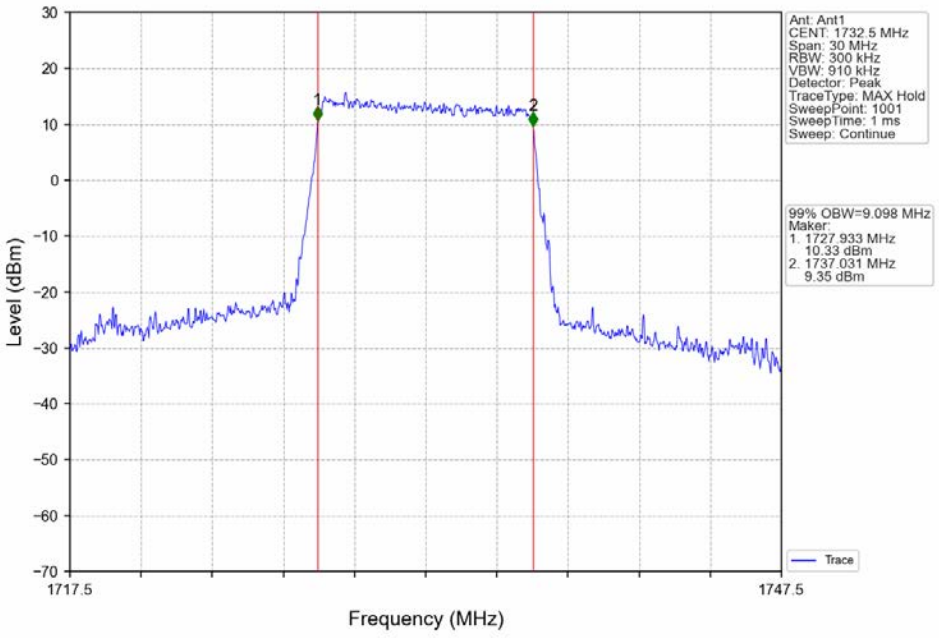
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



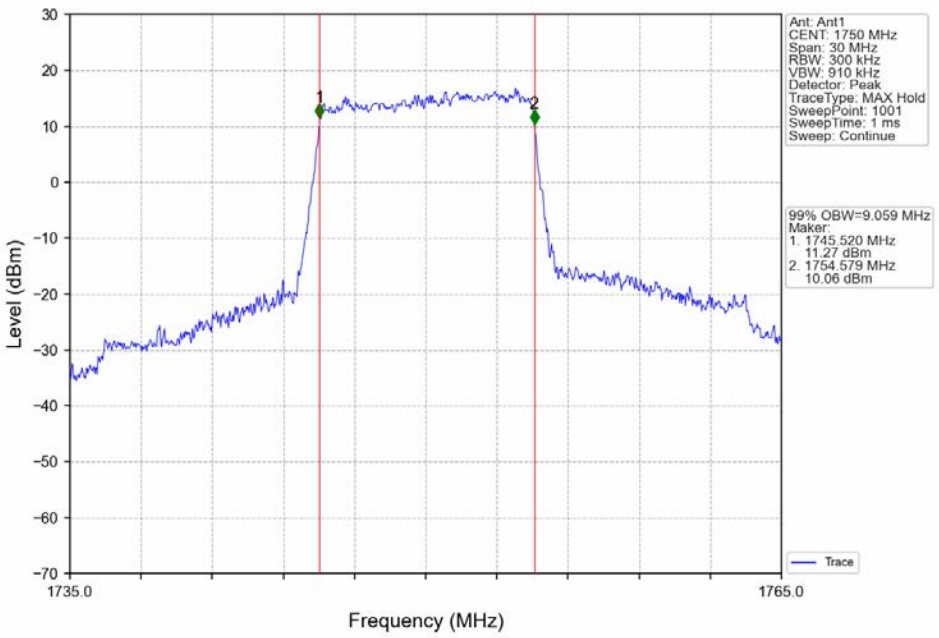
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



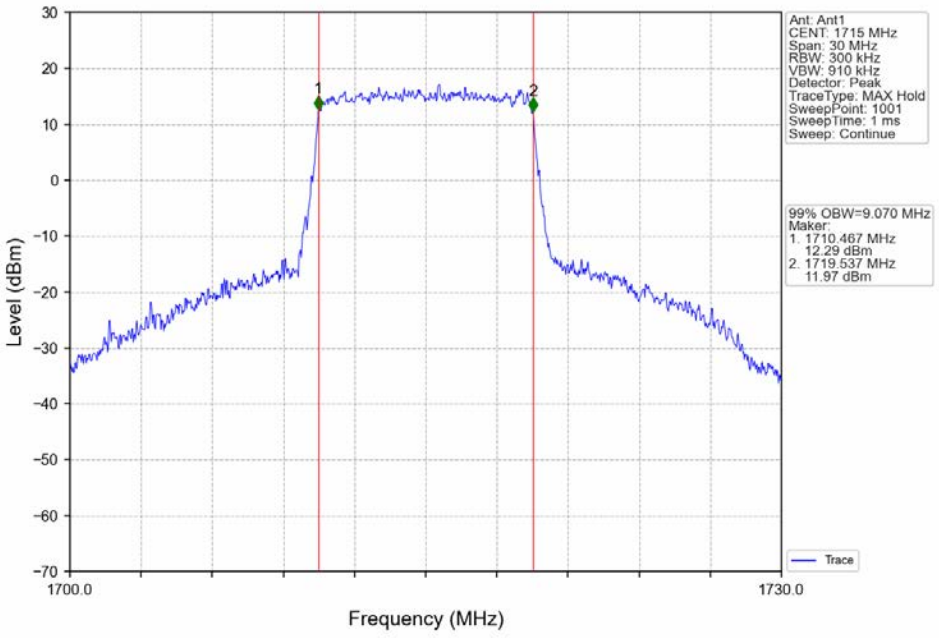
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



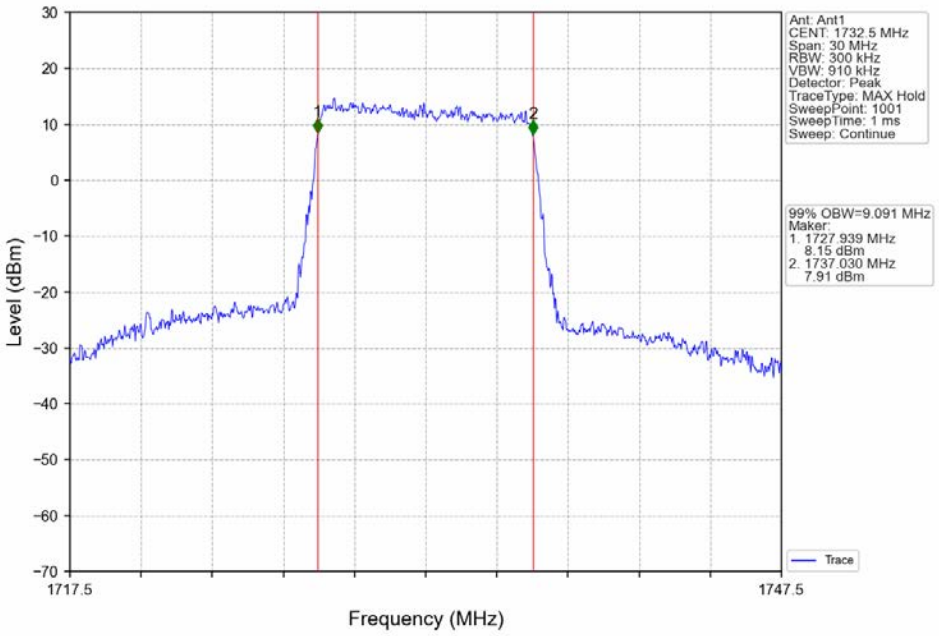
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



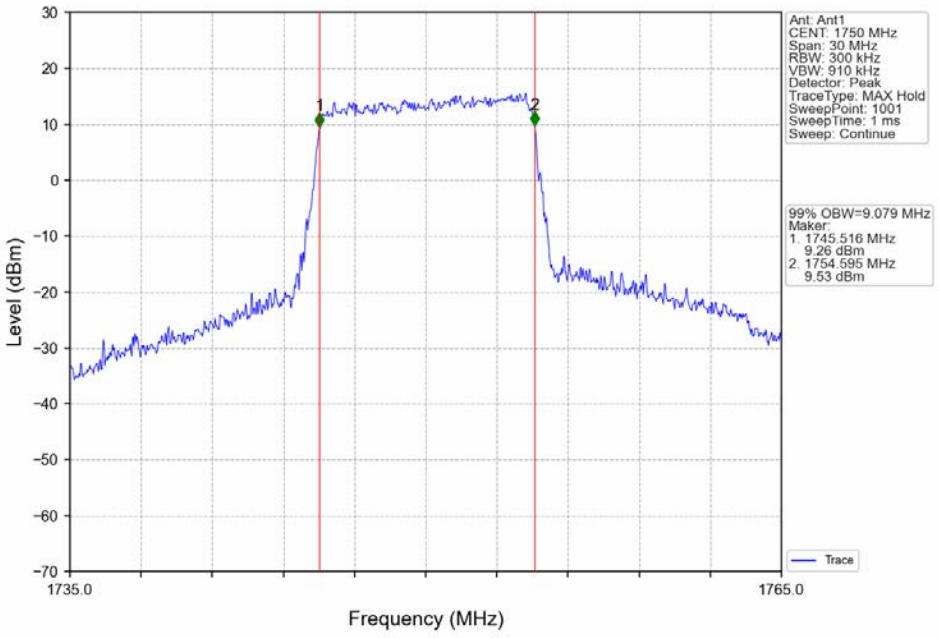
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



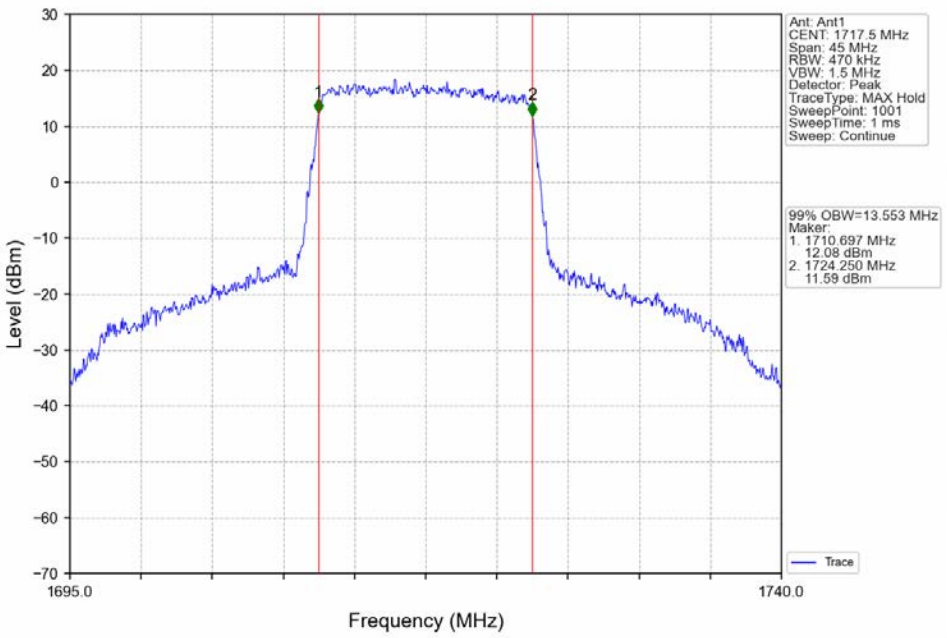
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



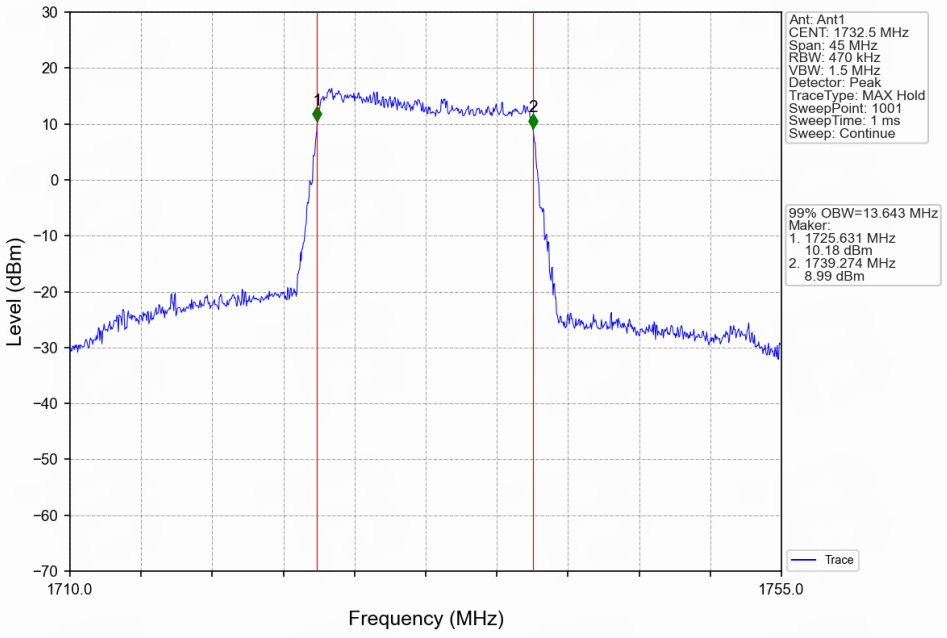
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



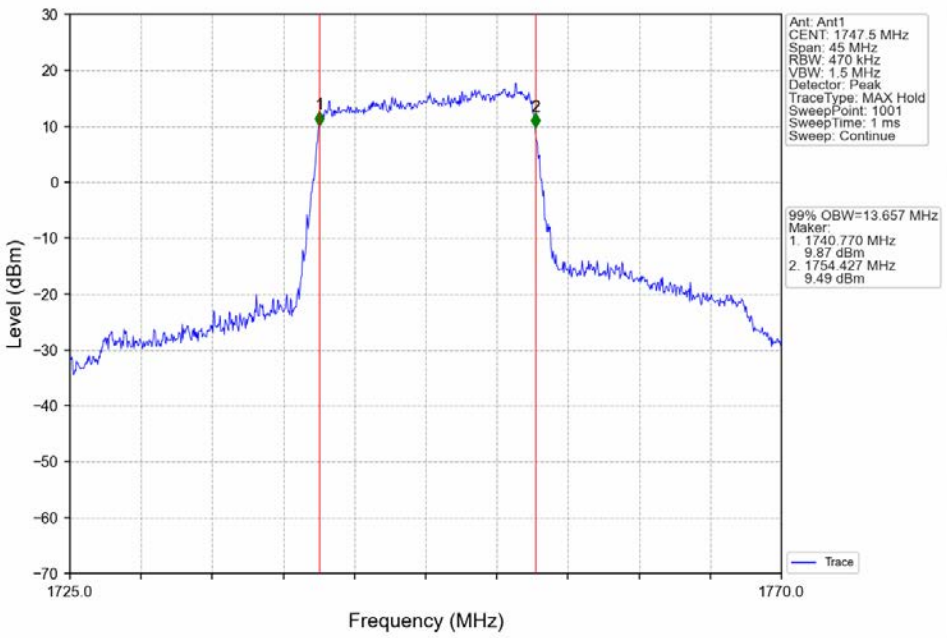
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



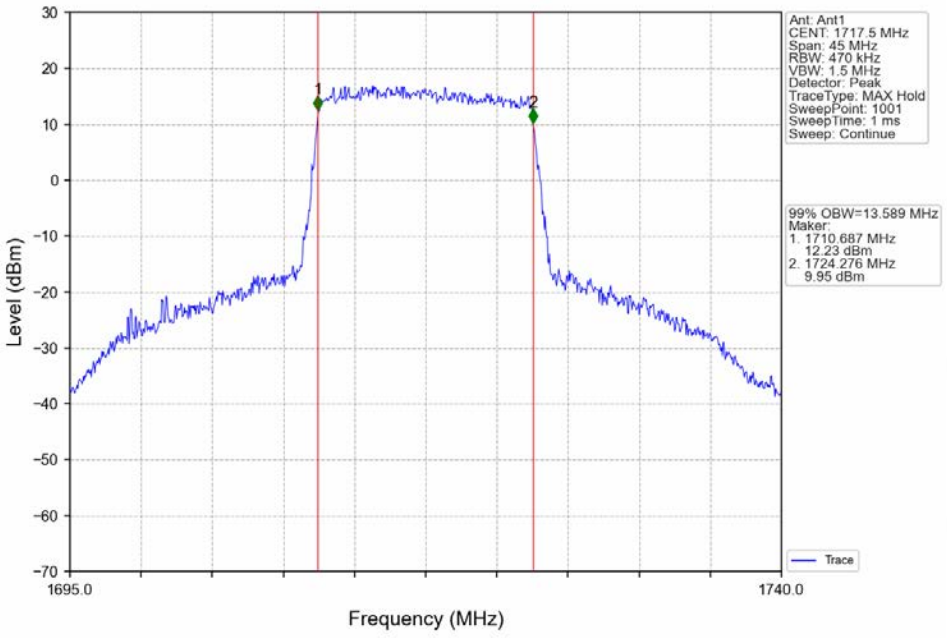
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



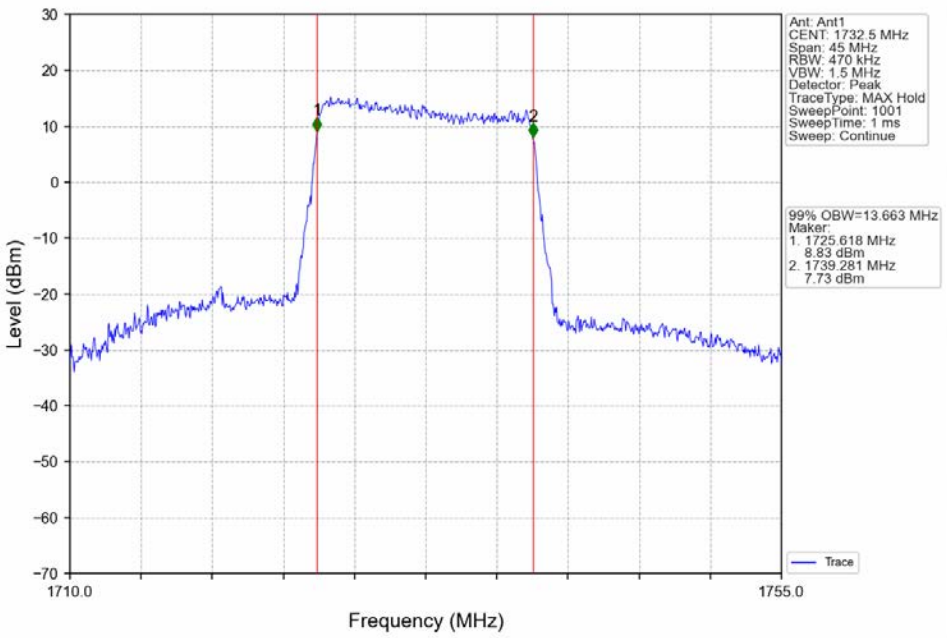
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



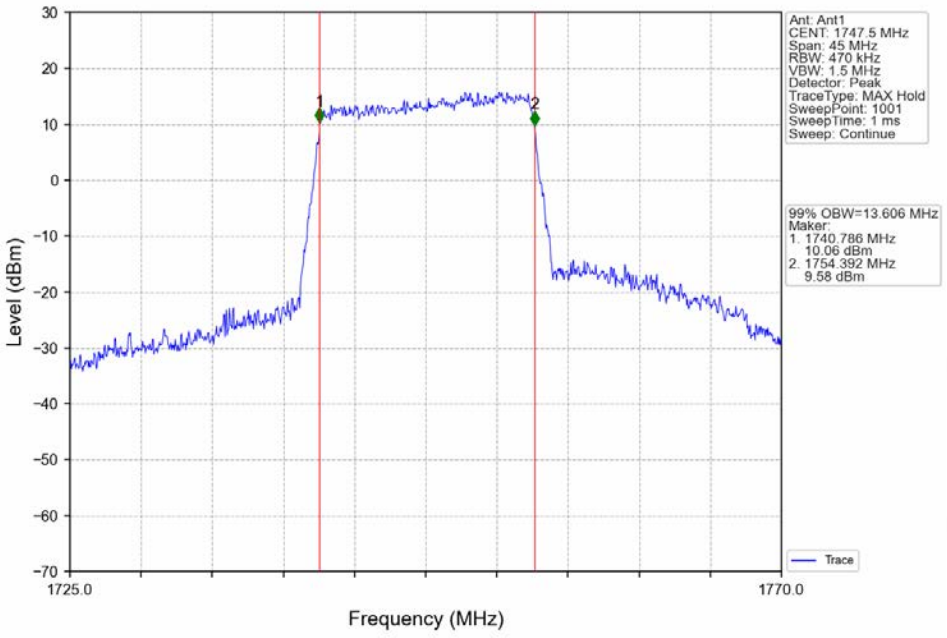
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



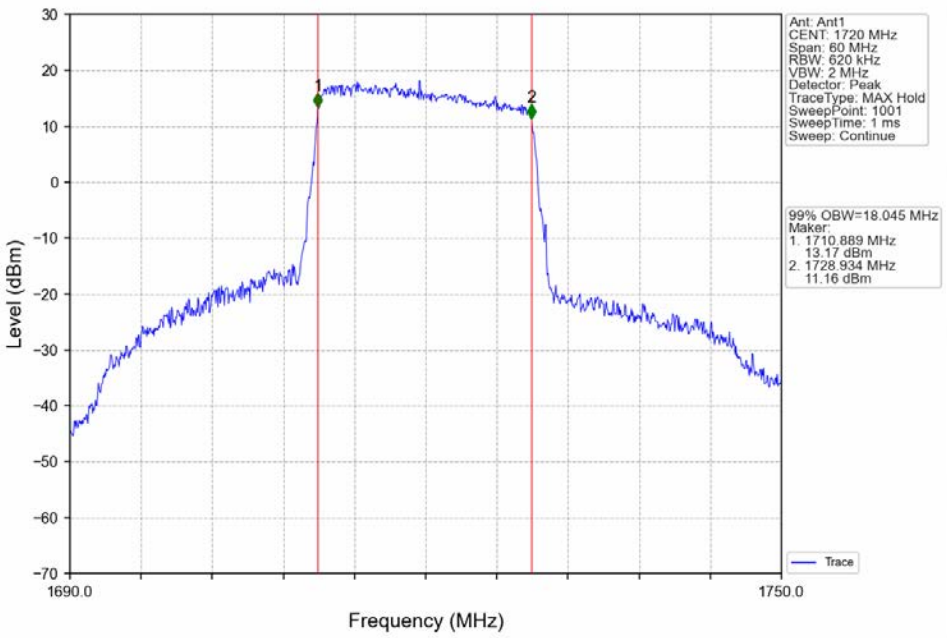
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



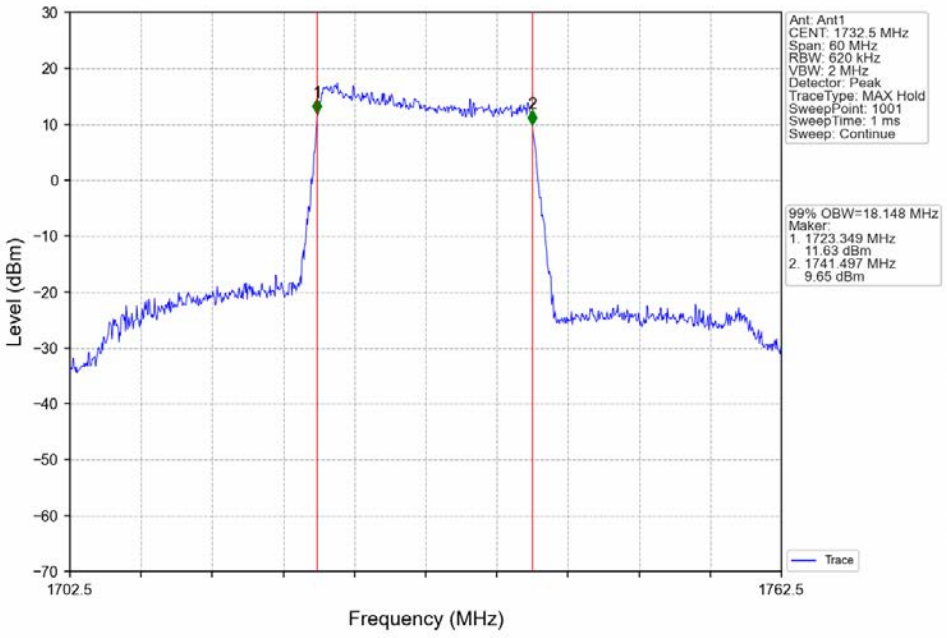
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



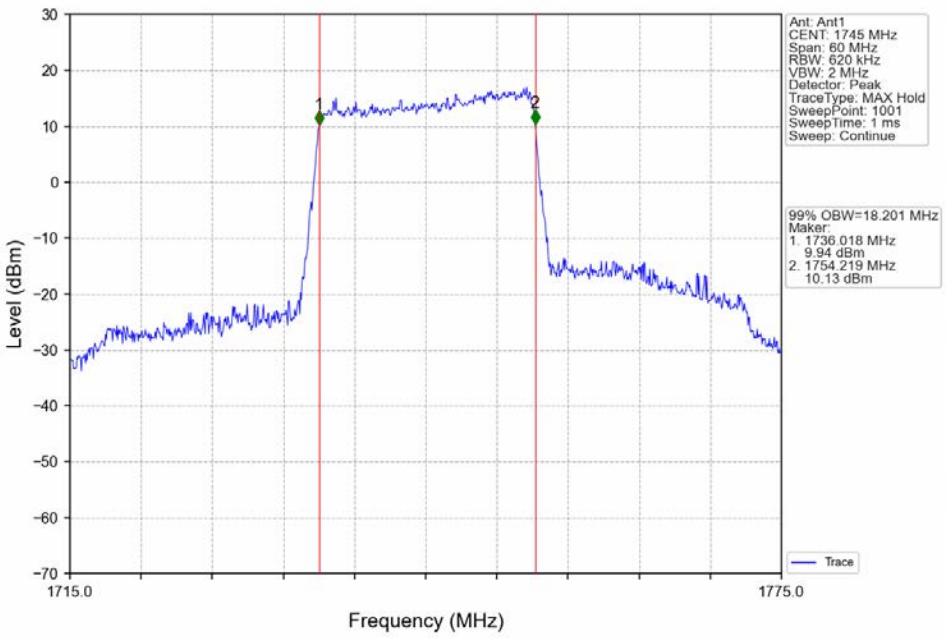
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



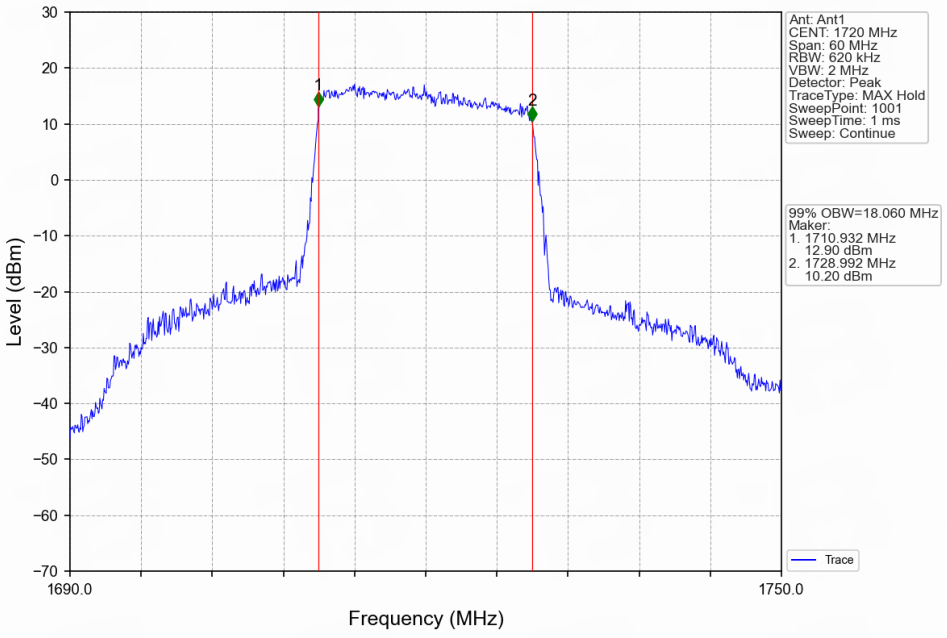
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



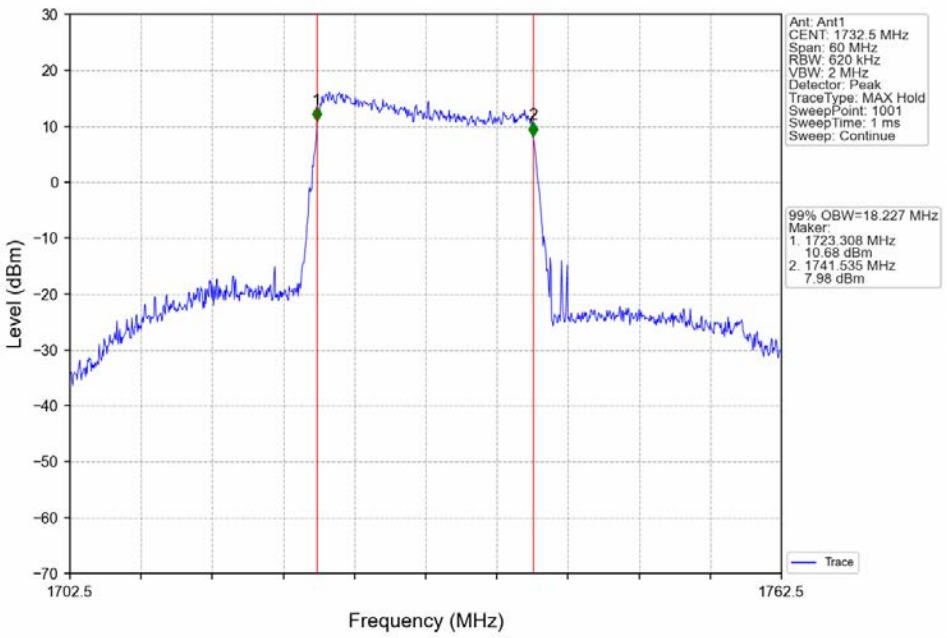
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



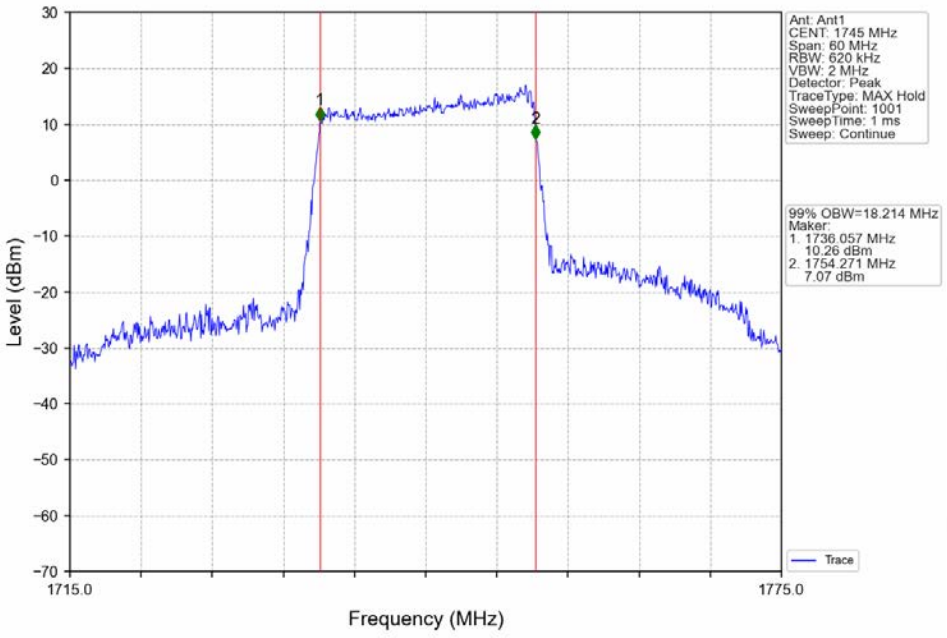
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



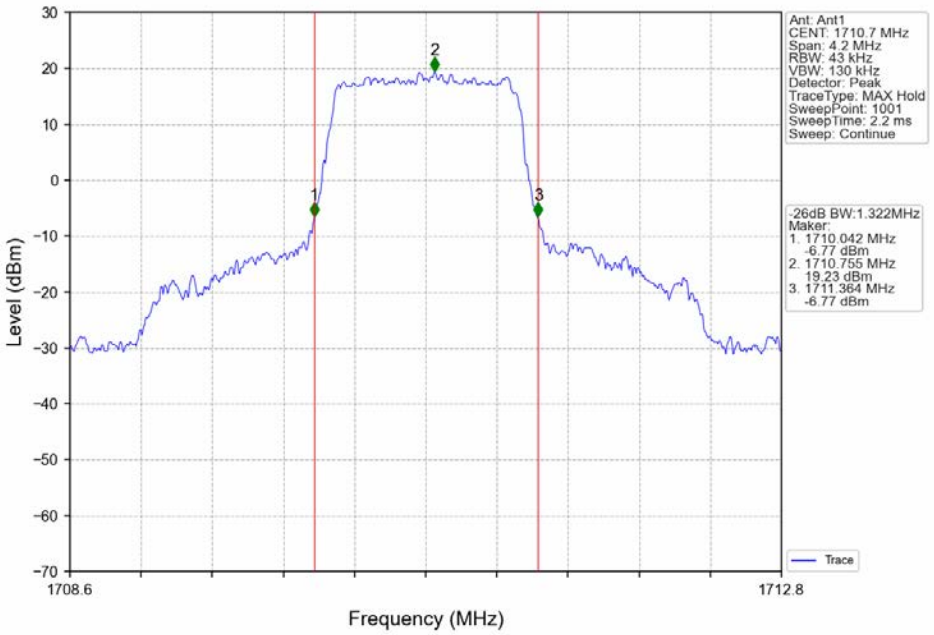
4.2 Band4_XDB

4.2.1 Test Result

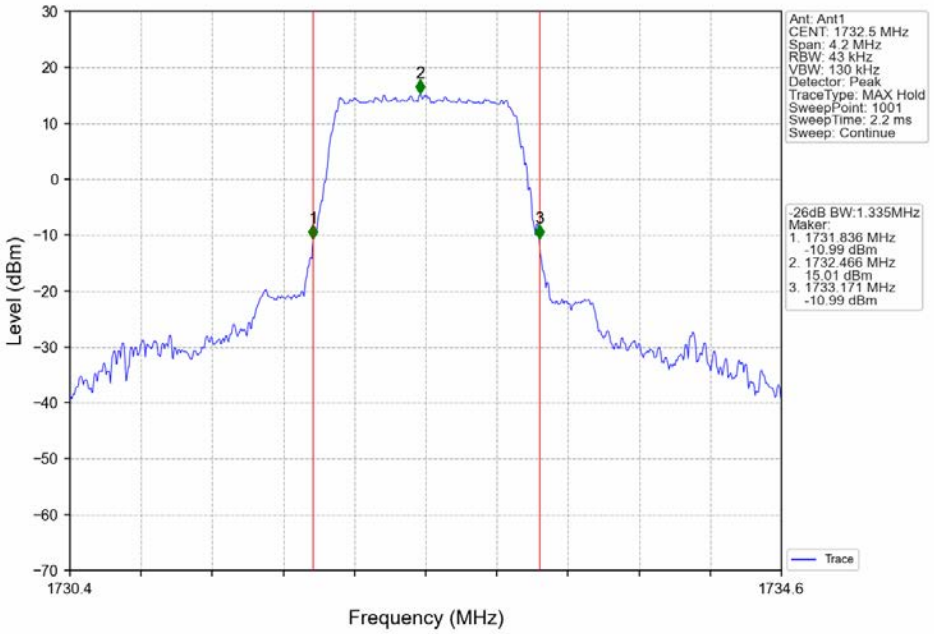
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.322	Pass
		1732.5	6	0	1.335	Pass
		1754.3	6	0	1.411	Pass
	16QAM	1710.7	6	0	1.323	Pass
		1732.5	6	0	1.311	Pass
		1754.3	6	0	1.328	Pass
3	QPSK	1711.5	15	0	3.008	Pass
		1732.5	15	0	3.175	Pass
		1753.5	15	0	3.014	Pass
	16QAM	1711.5	15	0	2.998	Pass
		1732.5	15	0	2.995	Pass
		1753.5	15	0	2.980	Pass
5	QPSK	1712.5	25	0	5.351	Pass
		1732.5	25	0	5.251	Pass
		1752.5	25	0	5.224	Pass
	16QAM	1712.5	25	0	5.369	Pass
		1732.5	25	0	5.291	Pass
		1752.5	25	0	5.456	Pass
10	QPSK	1715	50	0	10.273	Pass
		1732.5	50	0	10.212	Pass
		1750	50	0	10.211	Pass
	16QAM	1715	50	0	10.183	Pass
		1732.5	50	0	10.115	Pass
		1750	50	0	10.242	Pass
15	QPSK	1717.5	75	0	15.265	Pass
		1732.5	75	0	15.154	Pass
		1747.5	75	0	15.425	Pass
	16QAM	1717.5	75	0	15.205	Pass
		1732.5	75	0	15.230	Pass
		1747.5	75	0	15.347	Pass
20	QPSK	1720	100	0	20.182	Pass
		1732.5	100	0	20.109	Pass
		1745	100	0	20.014	Pass
	16QAM	1720	100	0	19.960	Pass
		1732.5	100	0	20.050	Pass
		1745	100	0	19.915	Pass

4.2.2 Test Graph

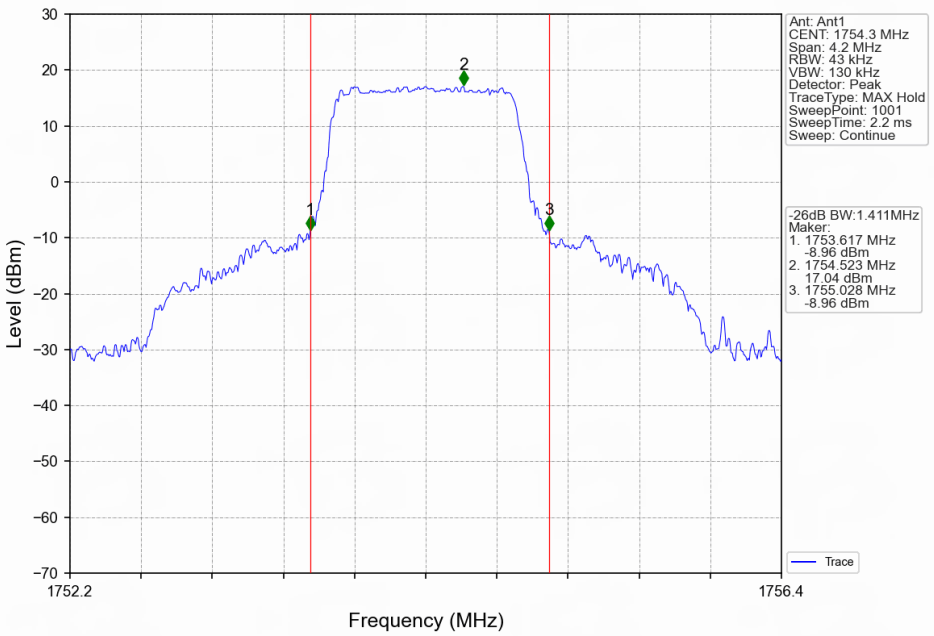
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



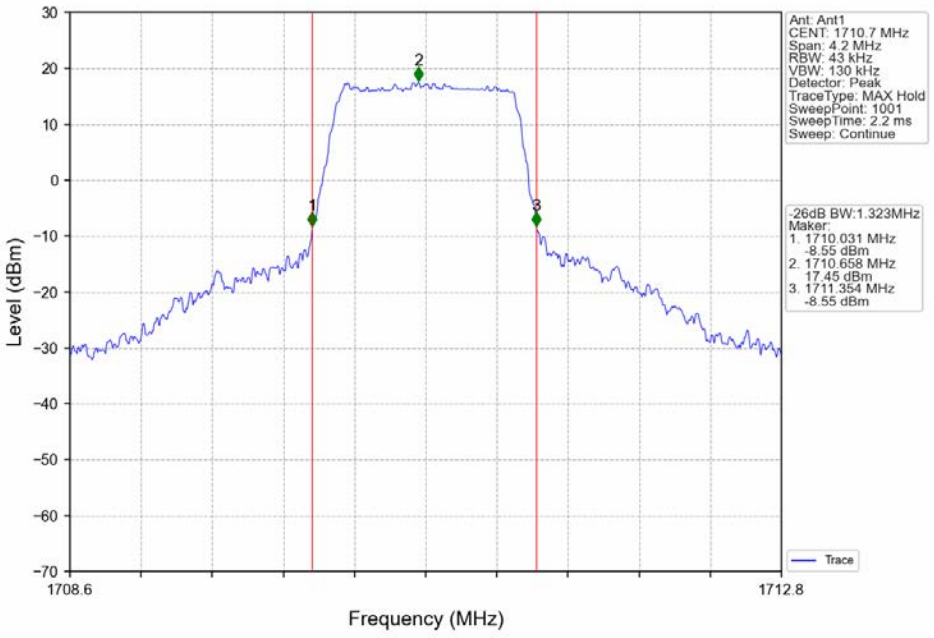
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



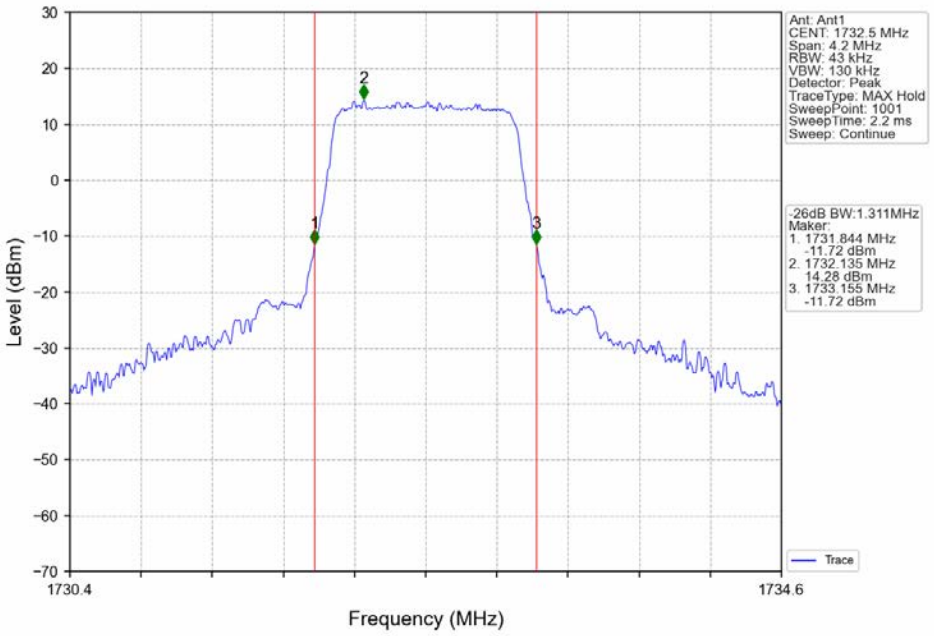
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



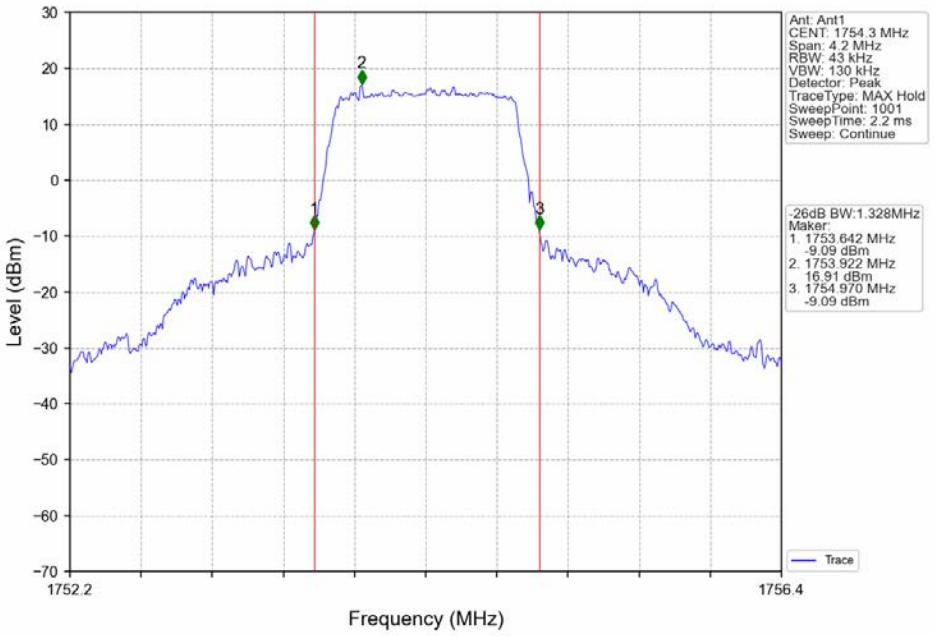
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



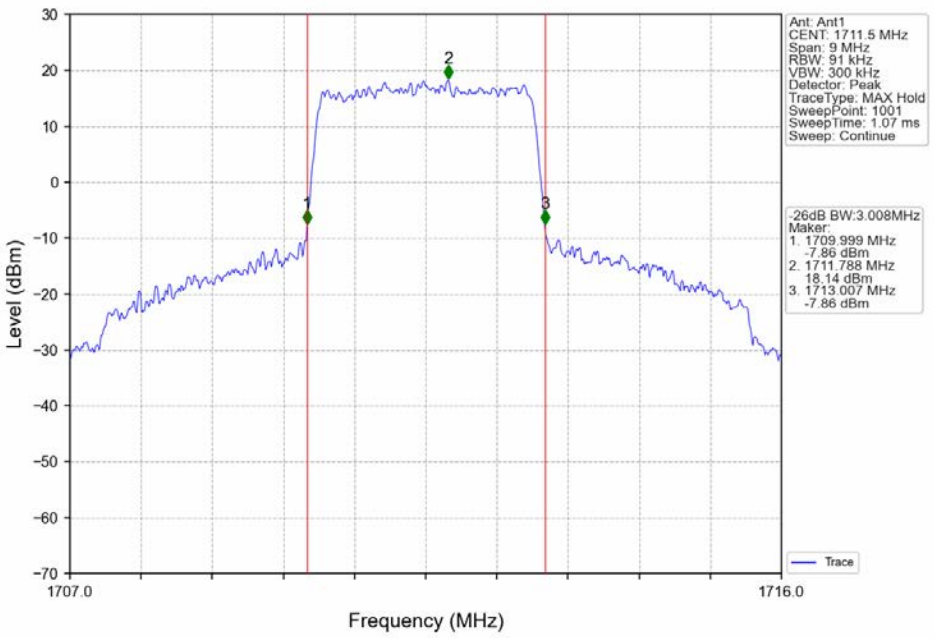
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



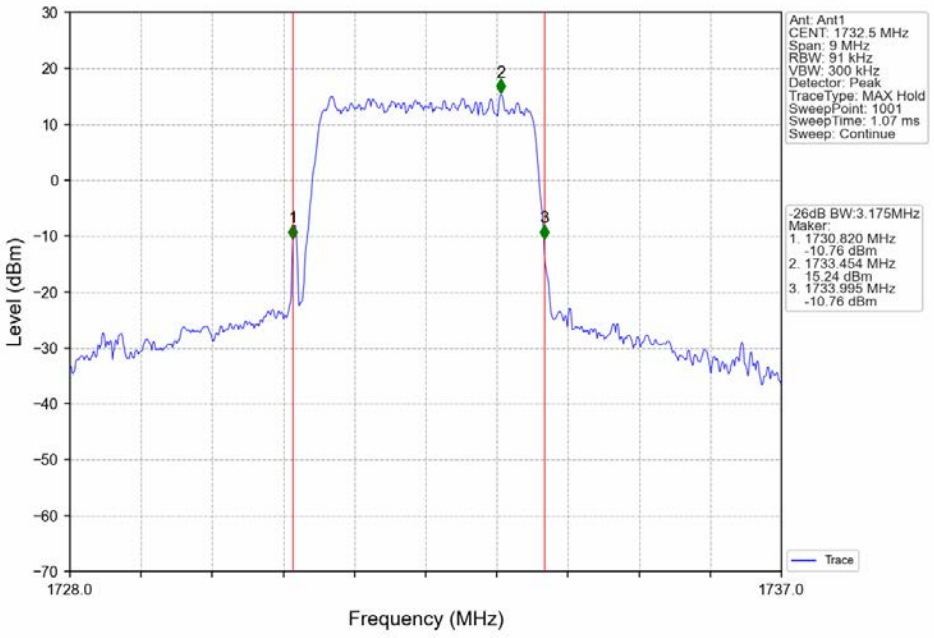
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



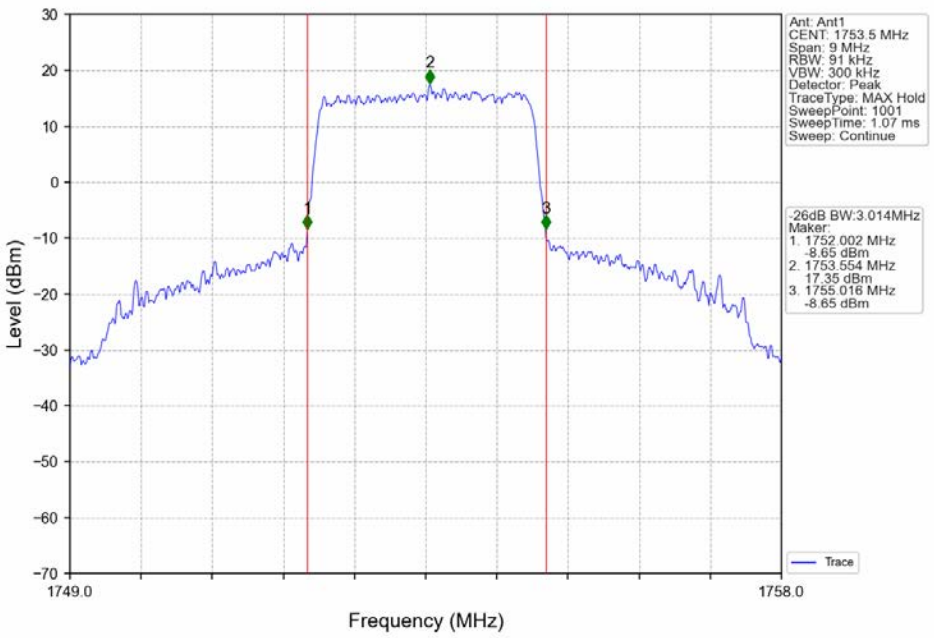
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



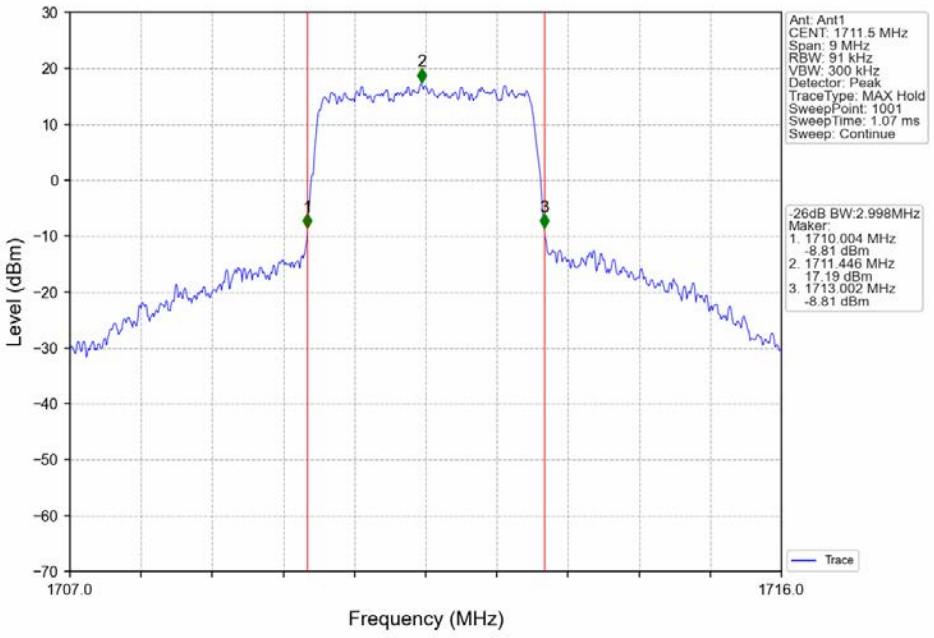
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



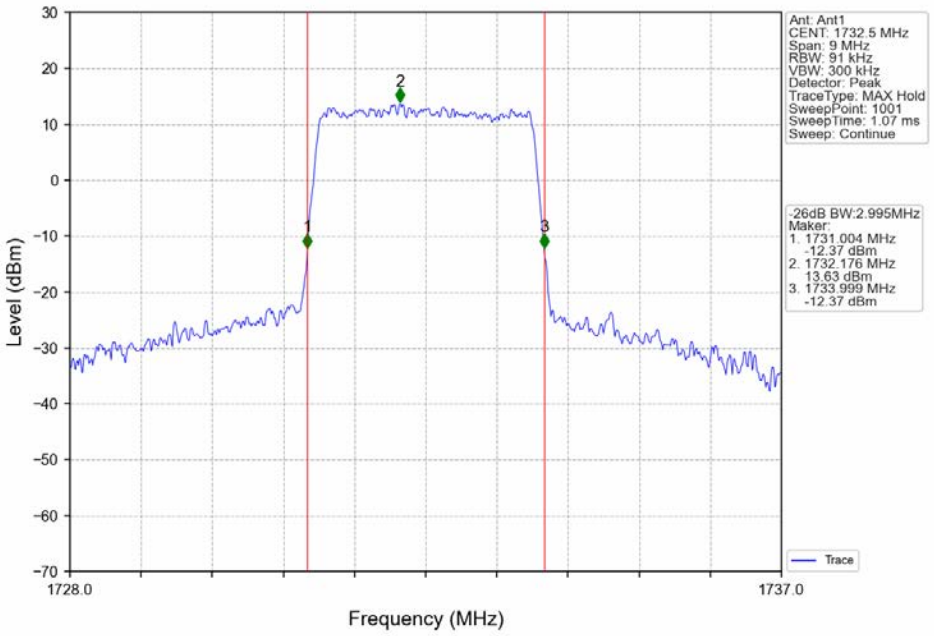
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



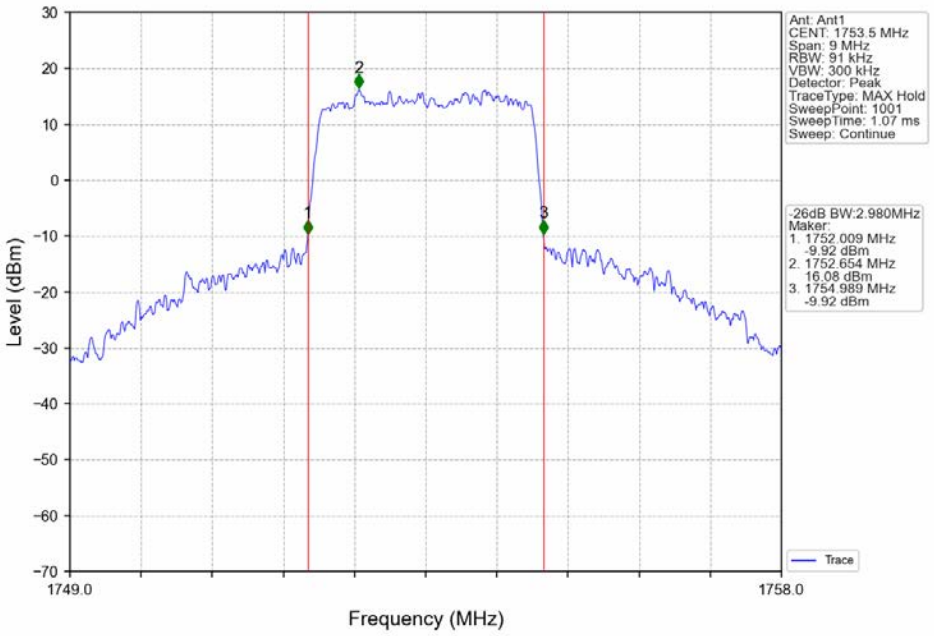
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



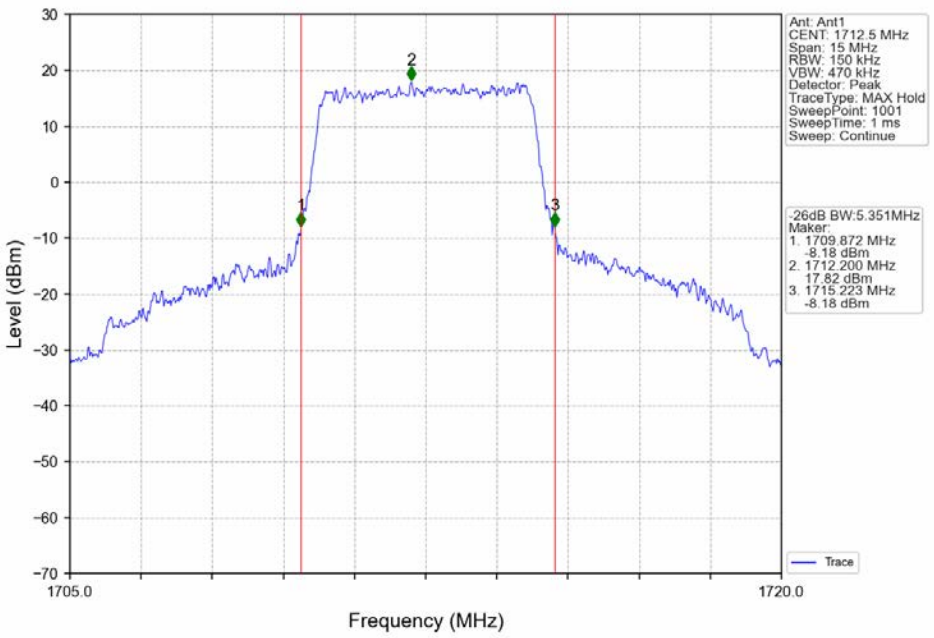
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



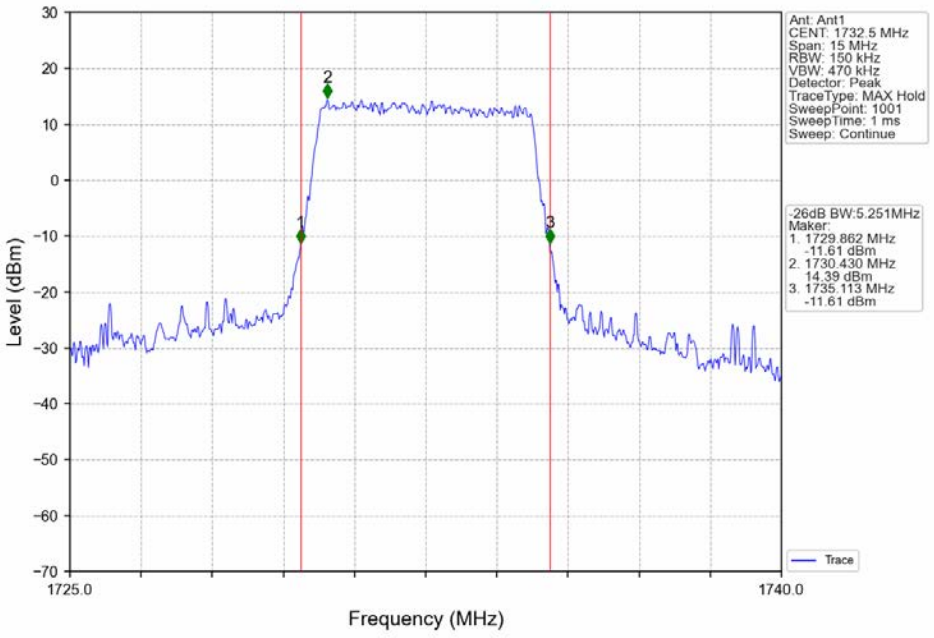
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



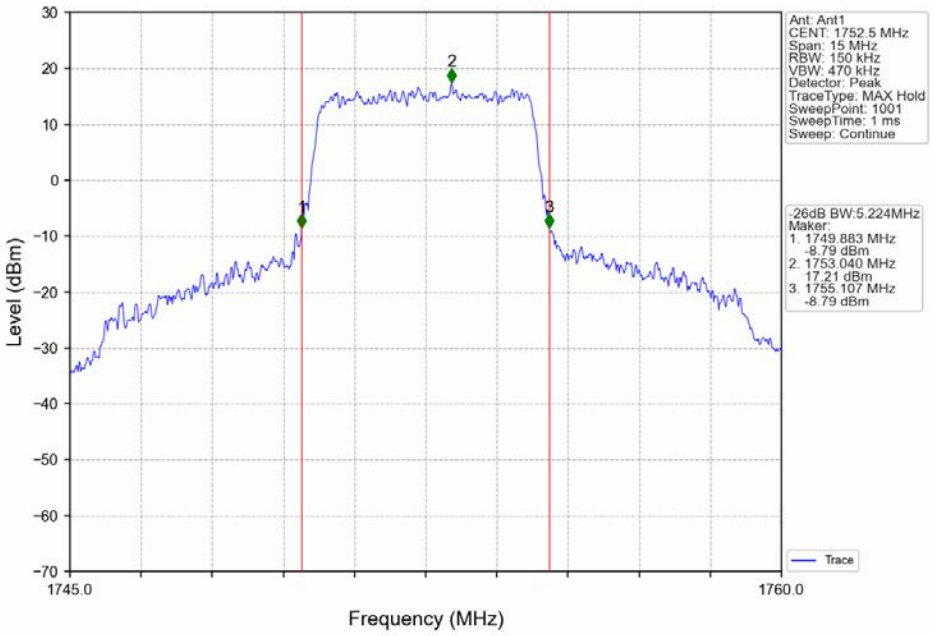
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



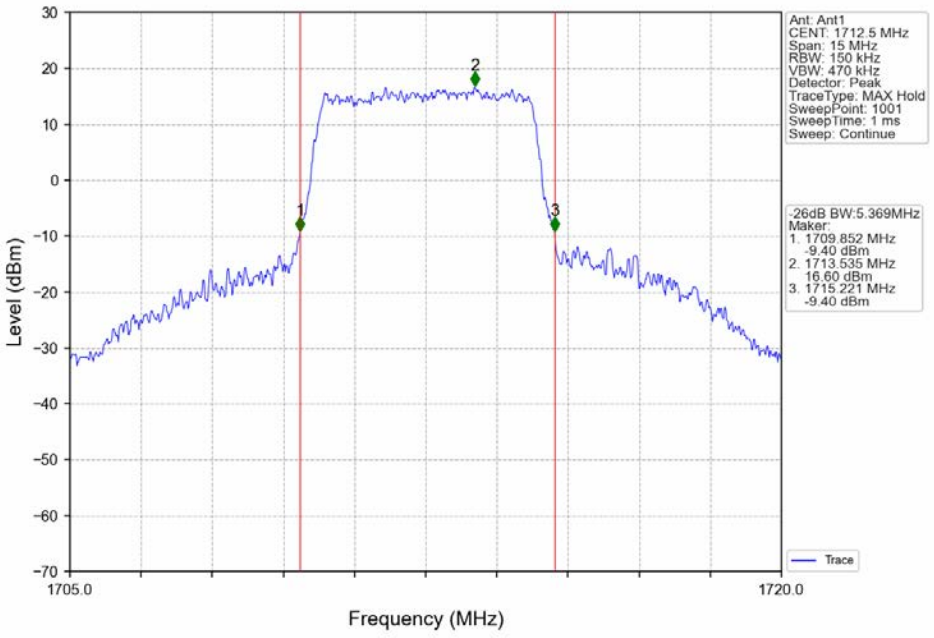
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



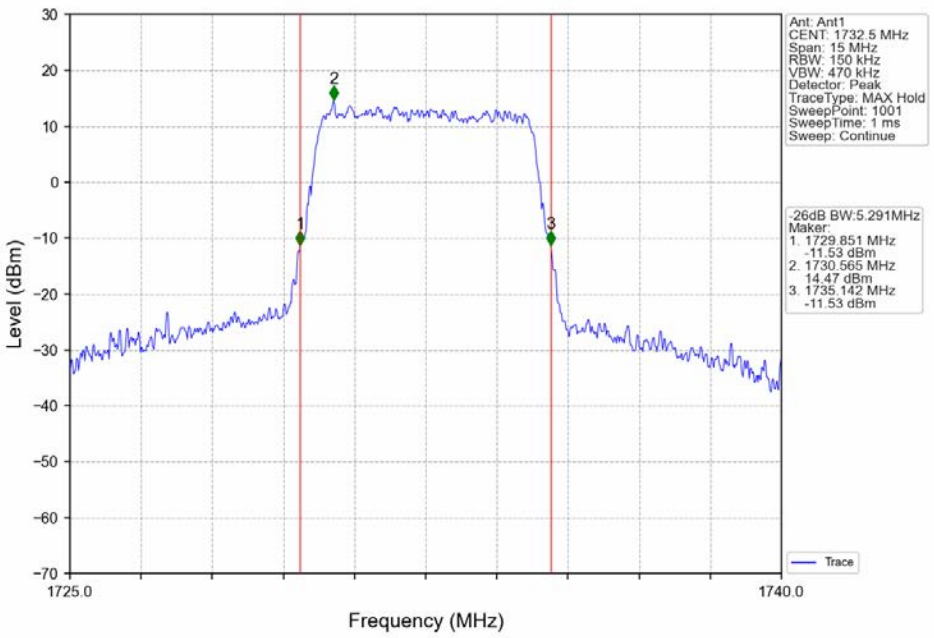
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



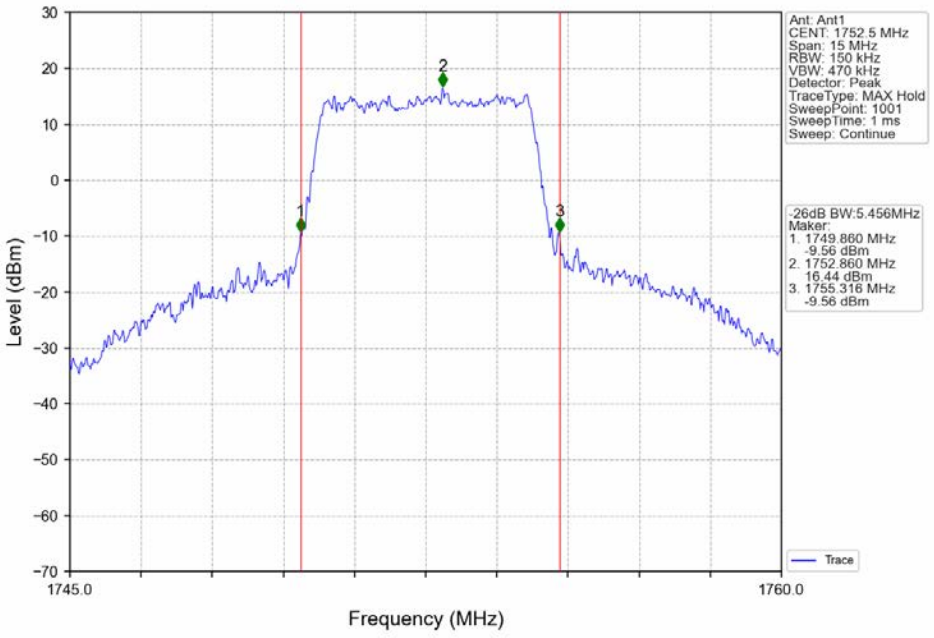
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



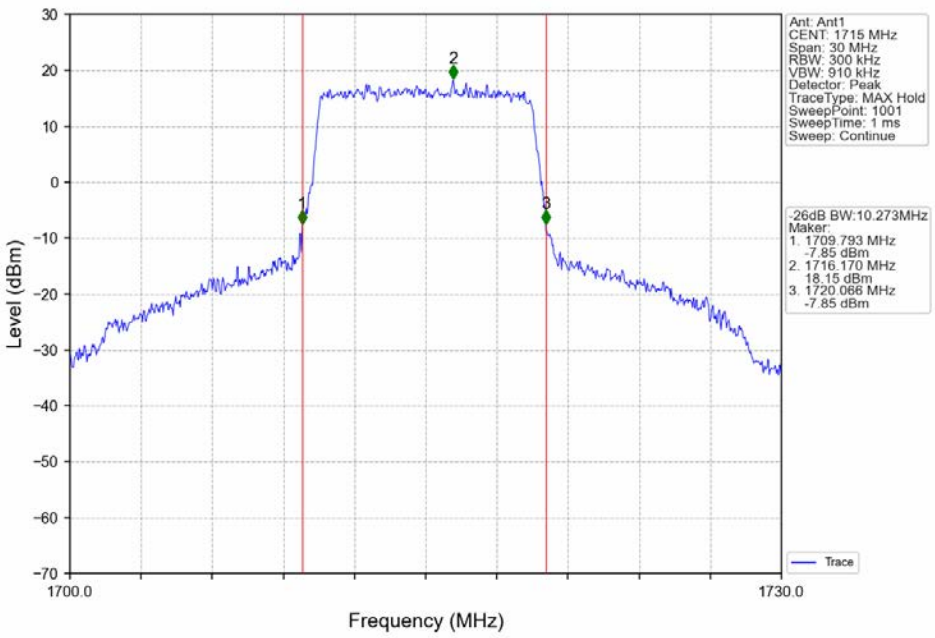
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



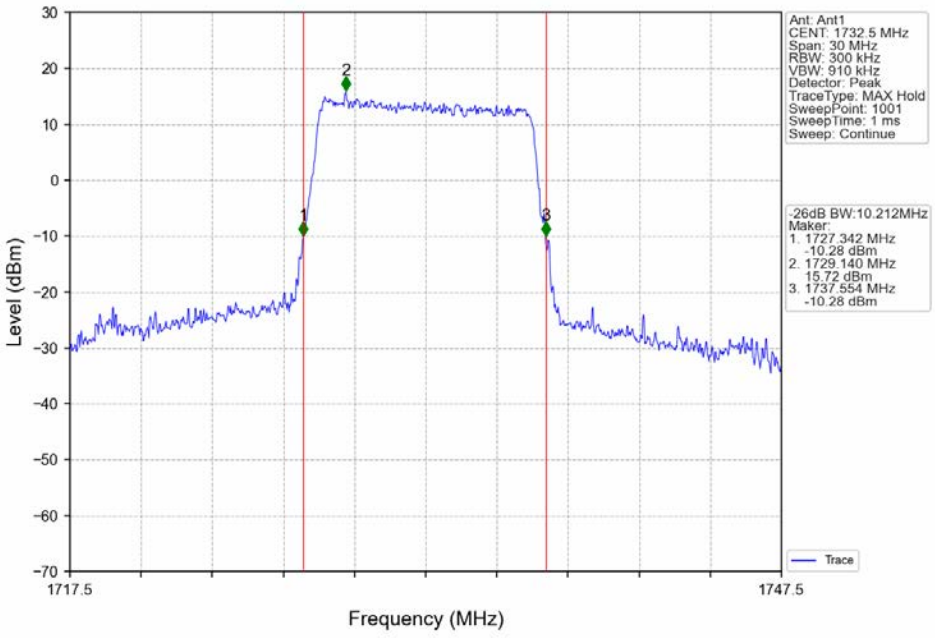
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



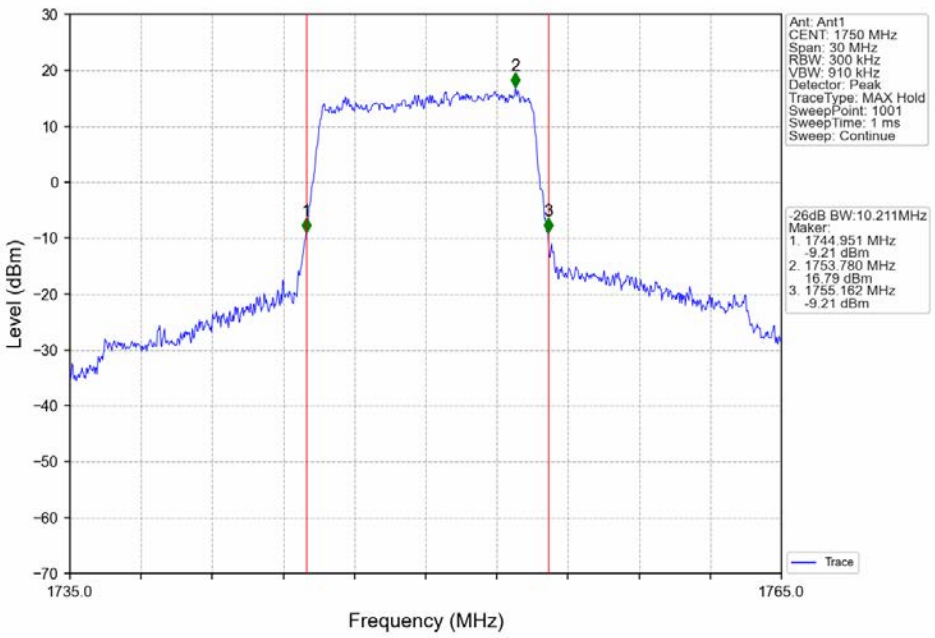
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



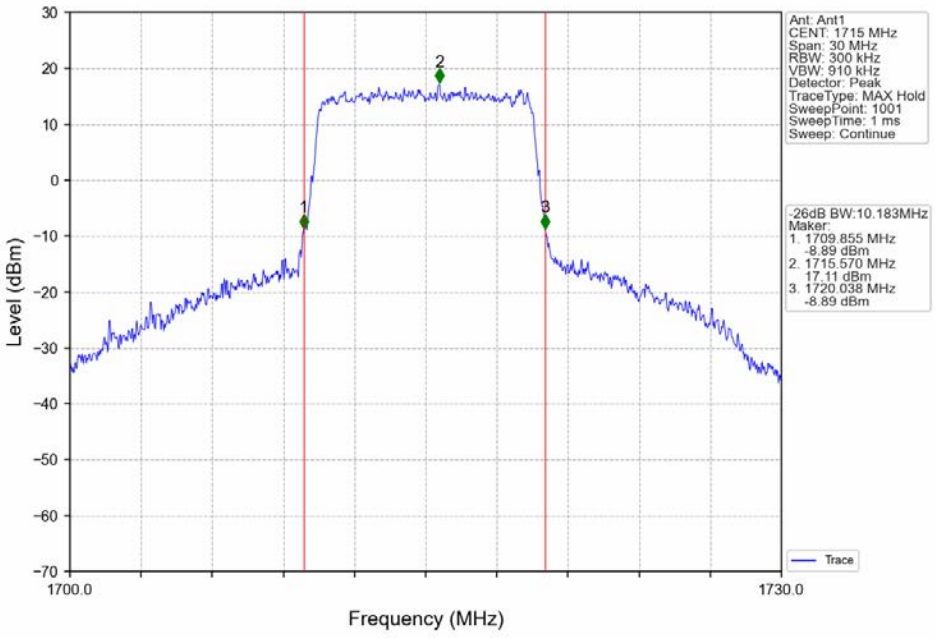
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



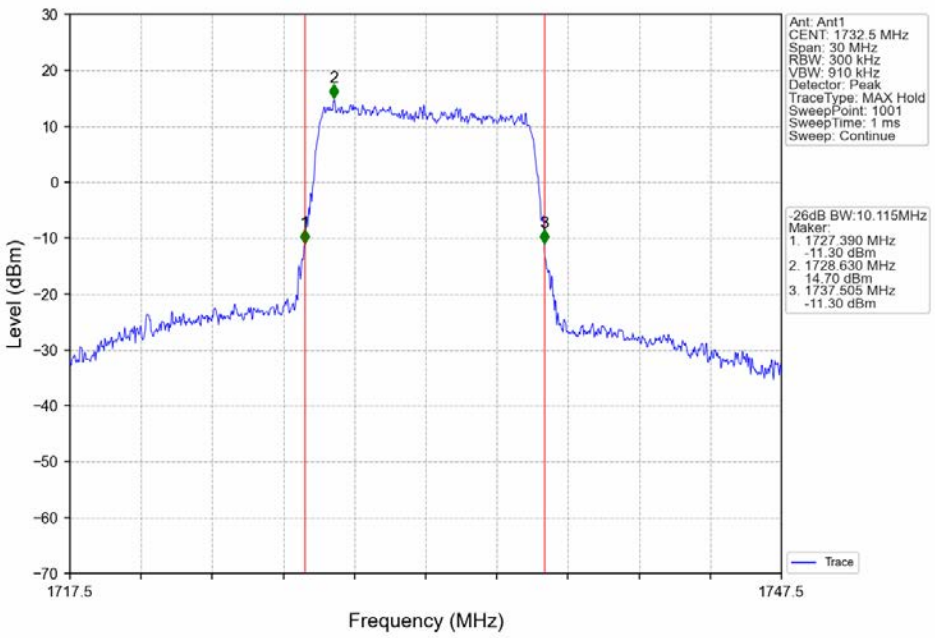
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



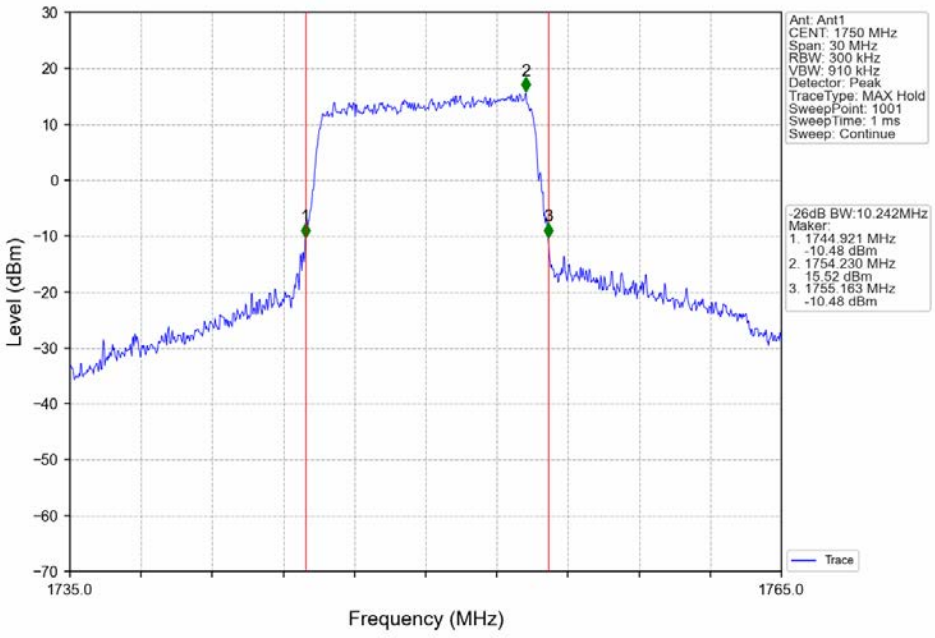
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



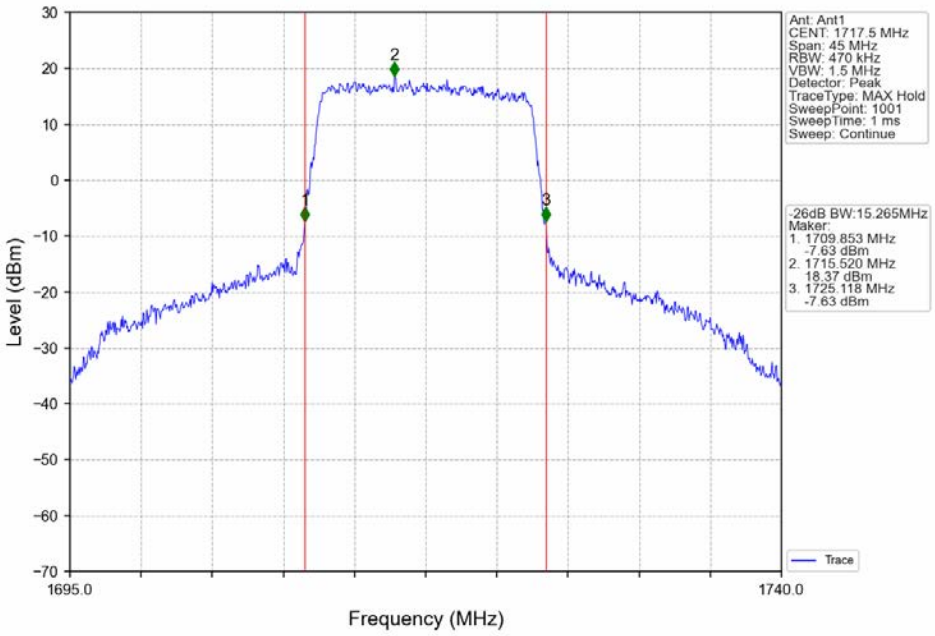
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



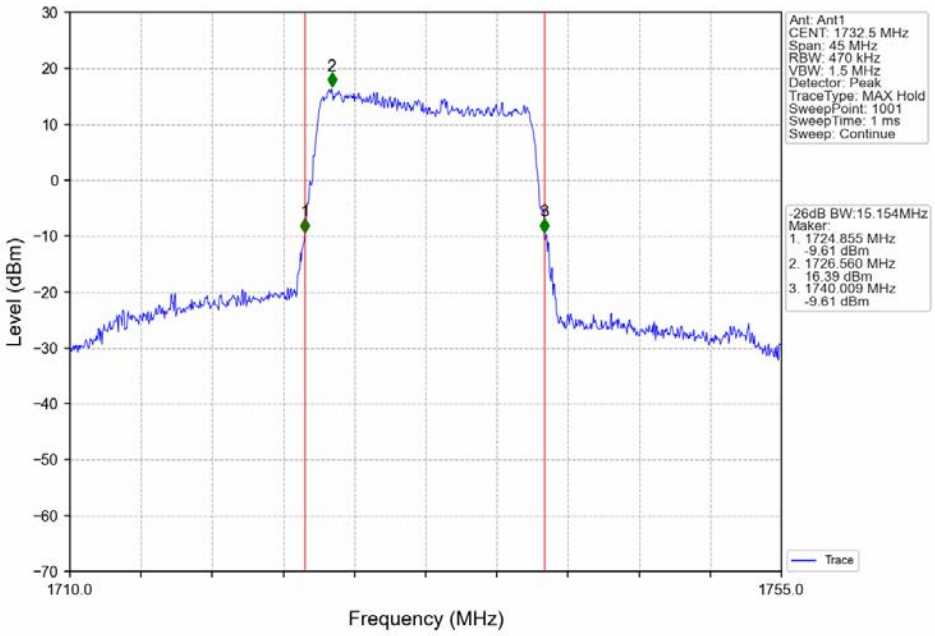
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



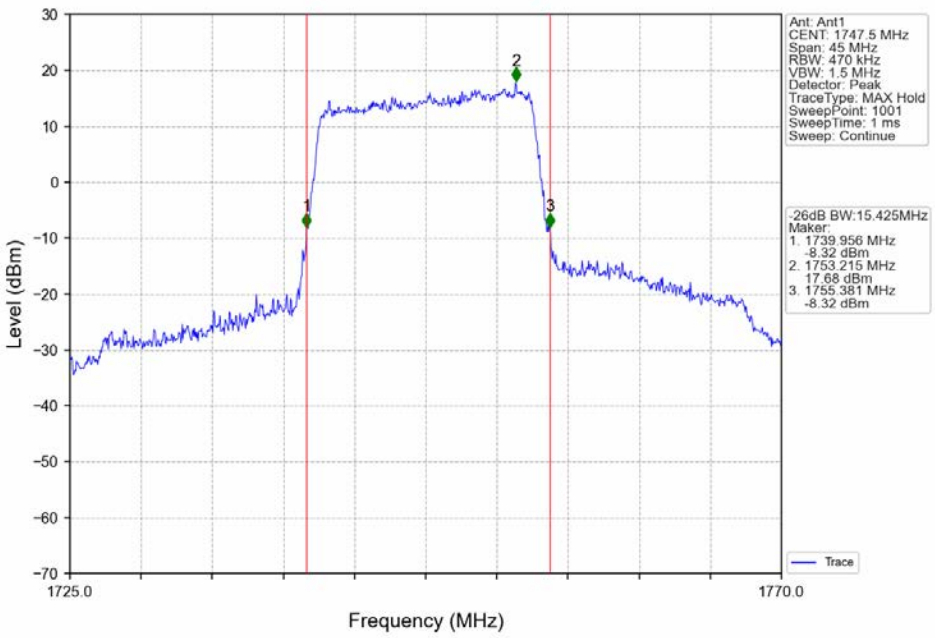
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



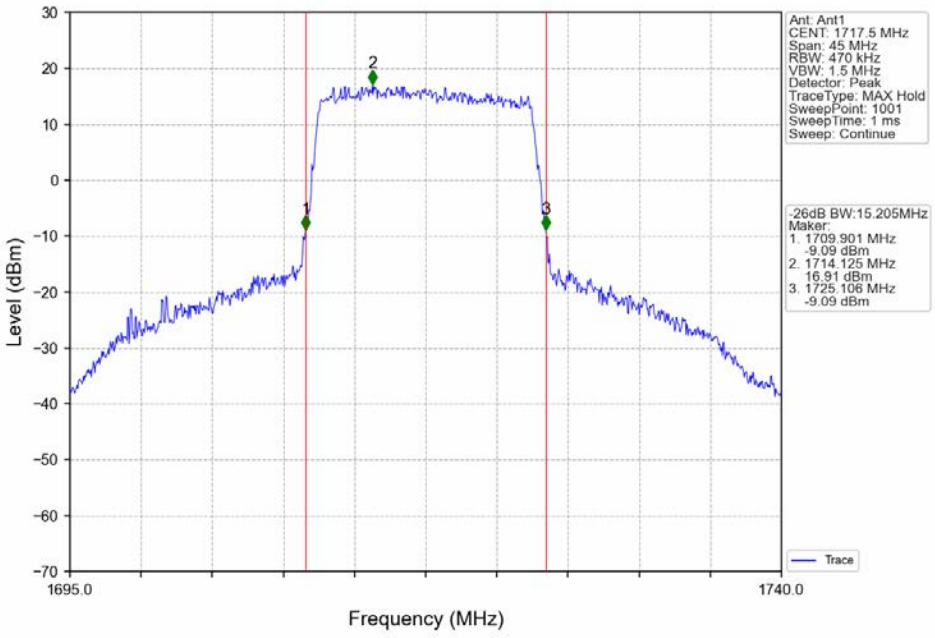
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



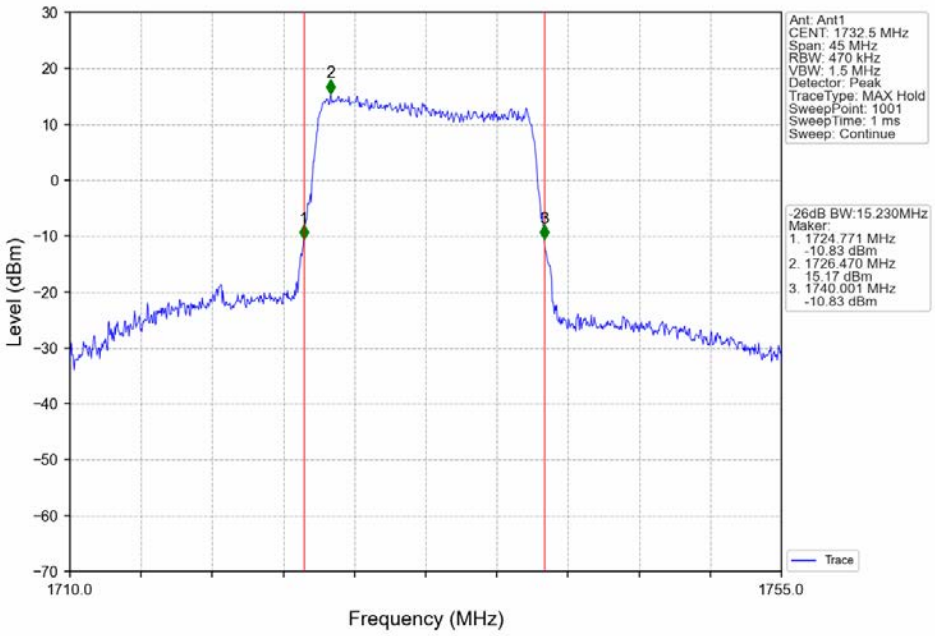
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



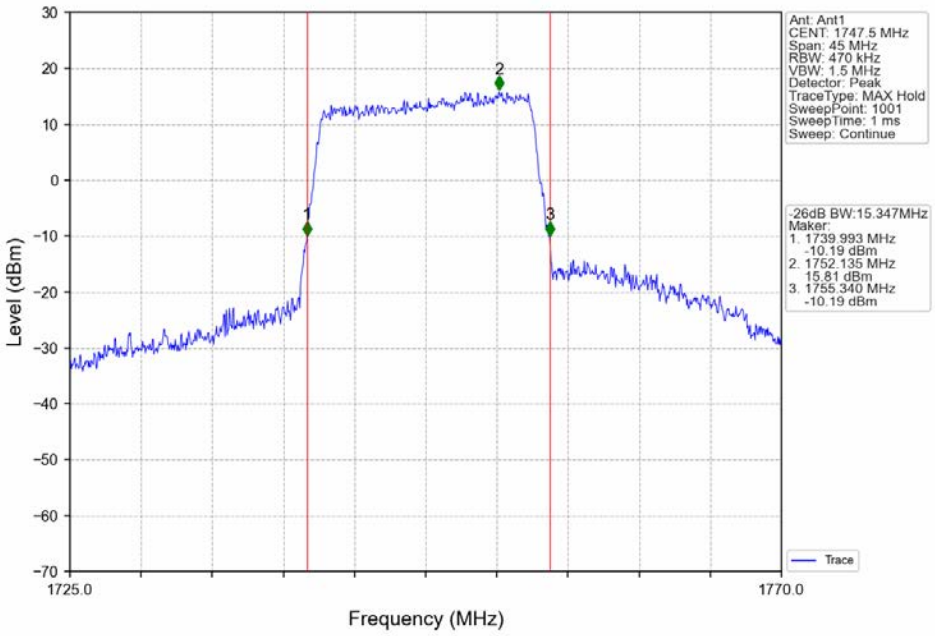
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



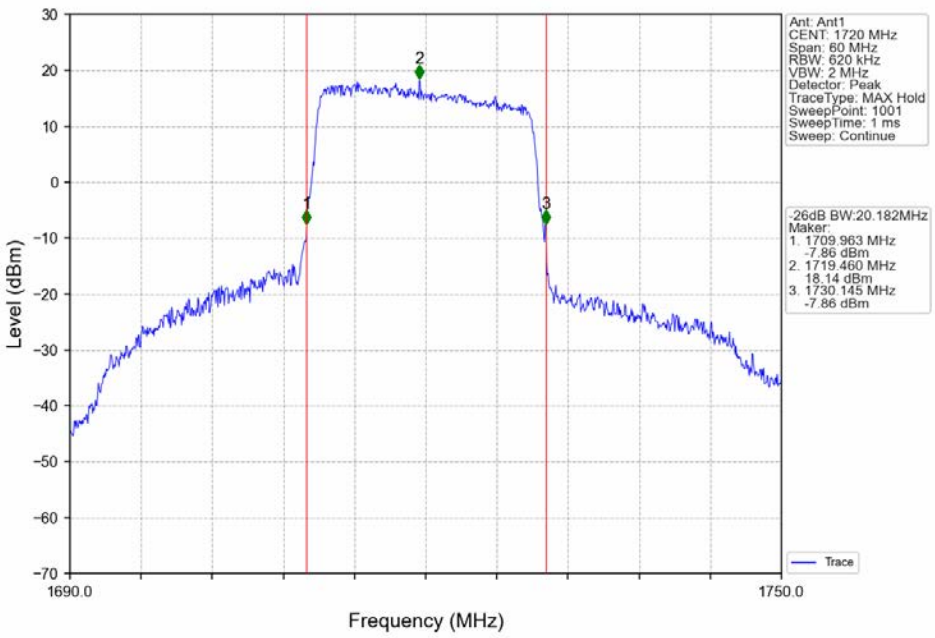
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



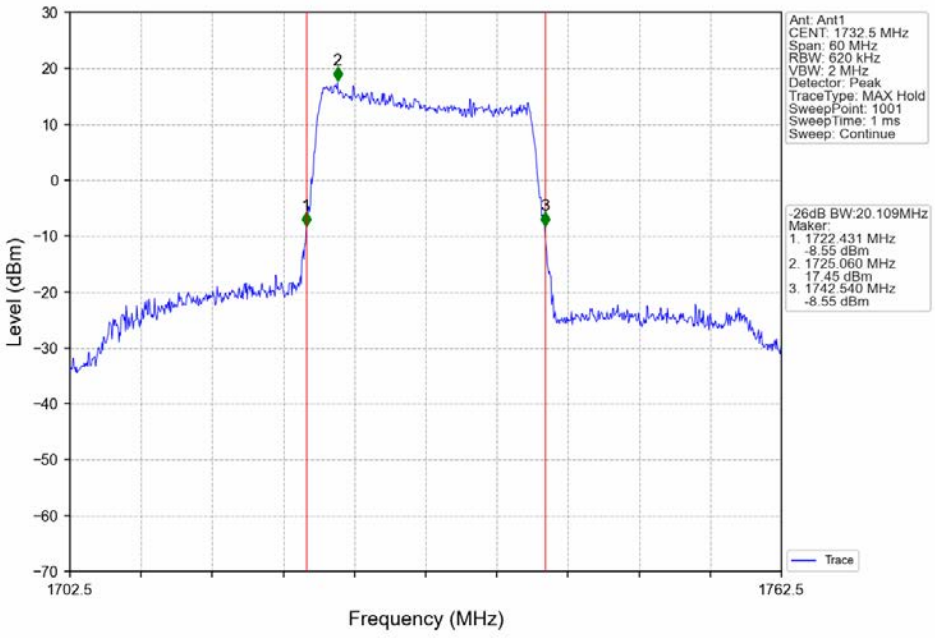
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



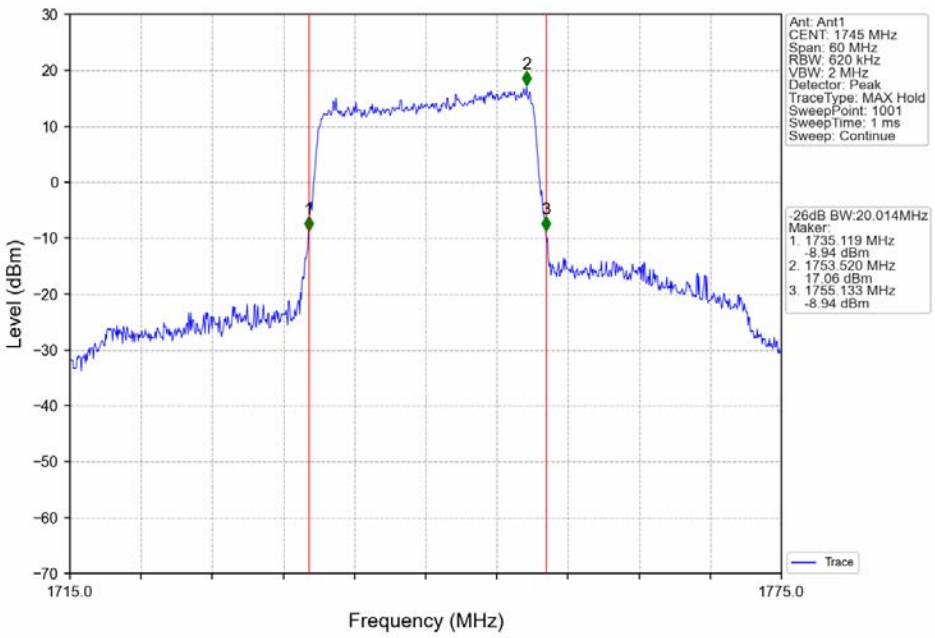
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



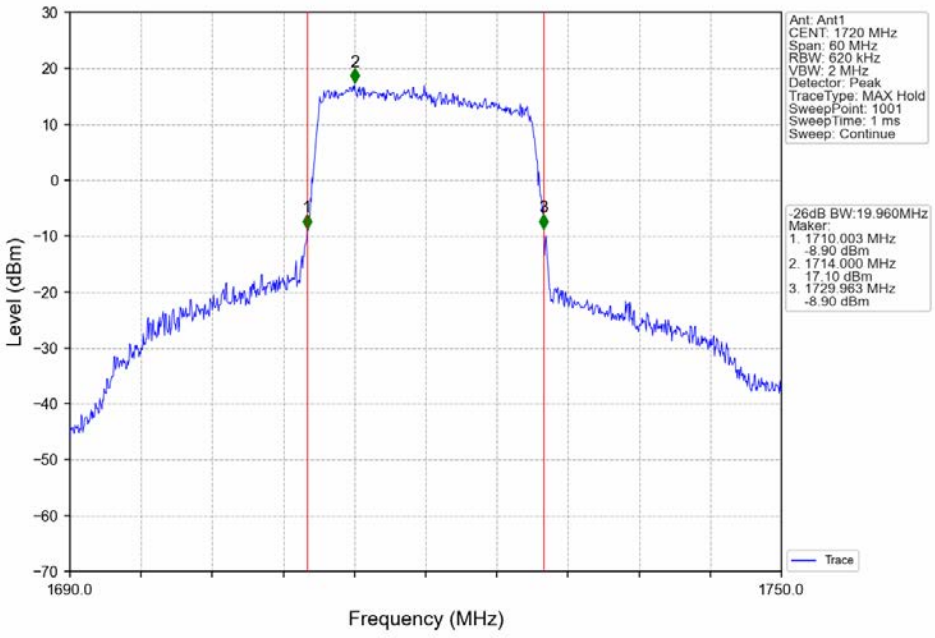
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



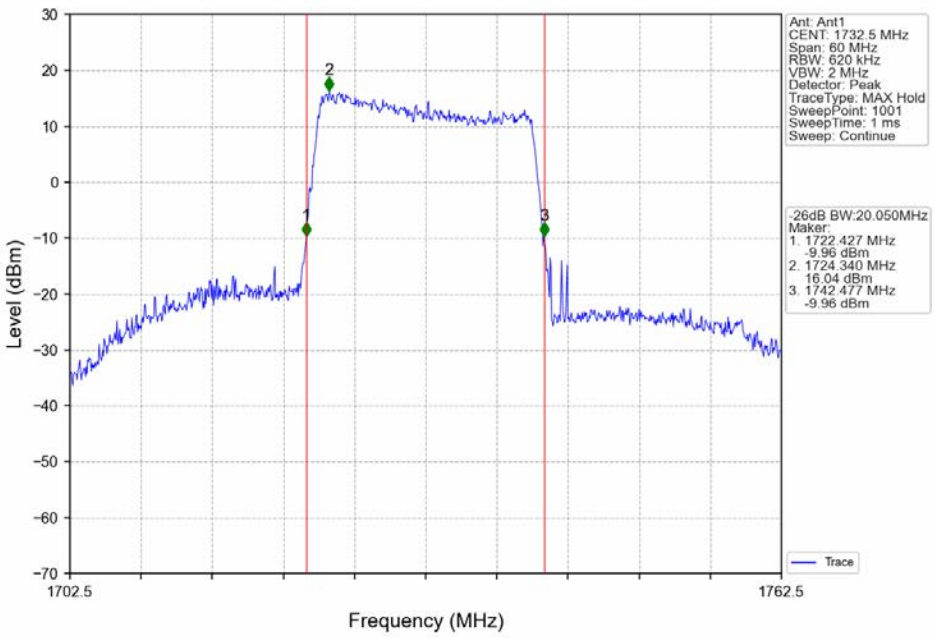
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



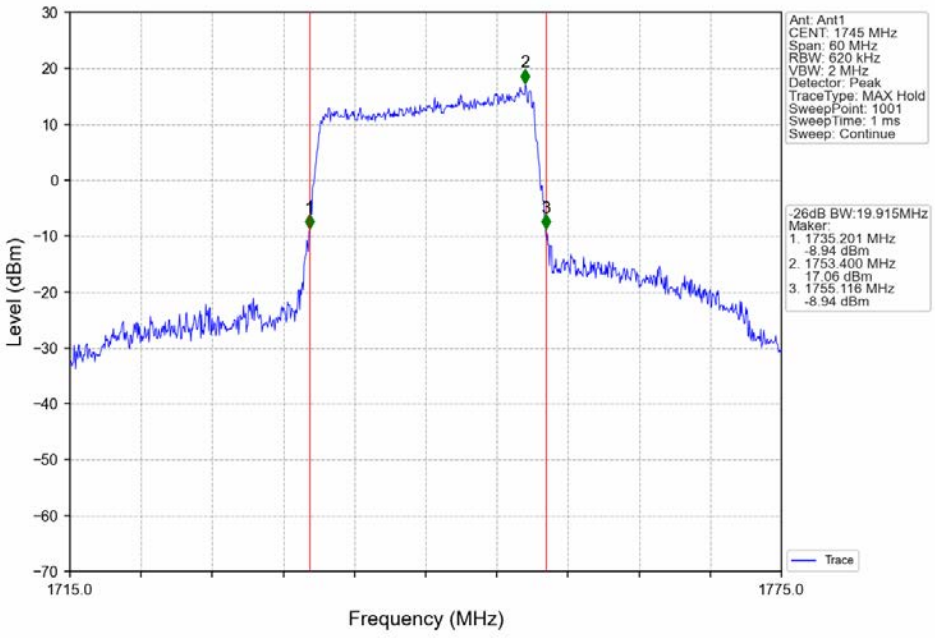
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

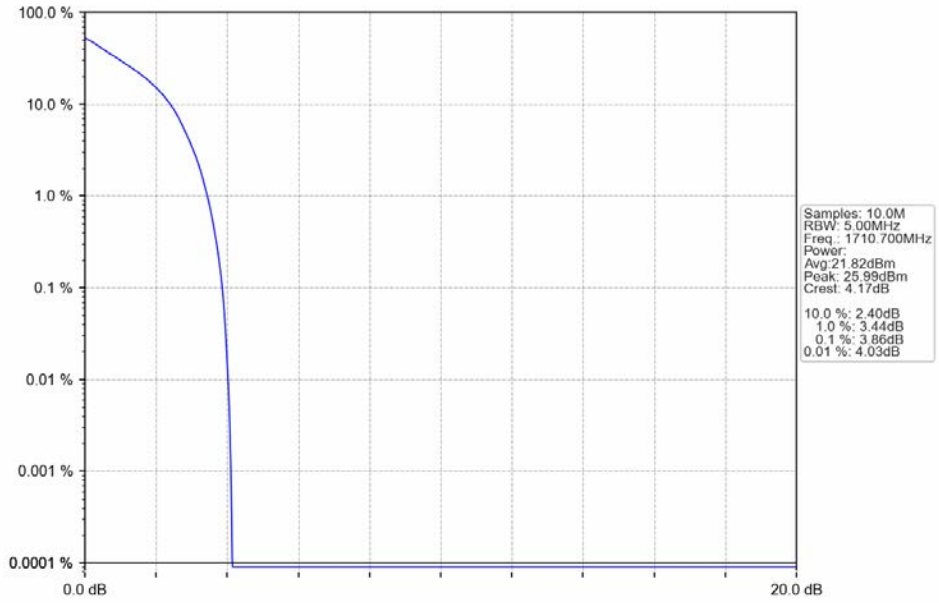
5.1 B4_1.4MHz

5.1.1 Test Result

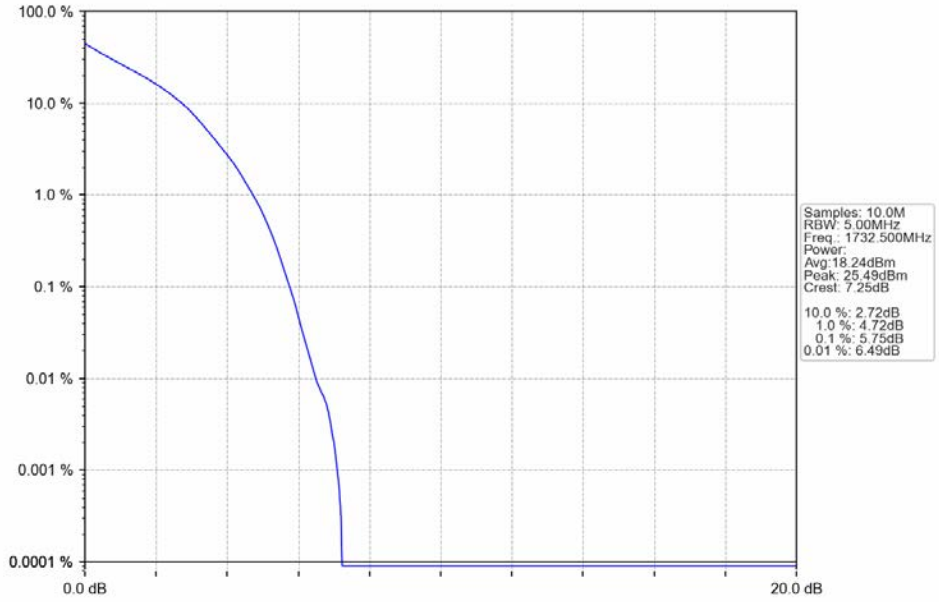
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	3.86	<=13	Pass
	1732.5	6	0	5.75	<=13	Pass
	1754.3	6	0	3.57	<=13	Pass
16QAM	1710.7	6	0	4.88	<=13	Pass
	1732.5	6	0	6.52	<=13	Pass
	1754.3	6	0	4.59	<=13	Pass

5.1.2 Test Graph

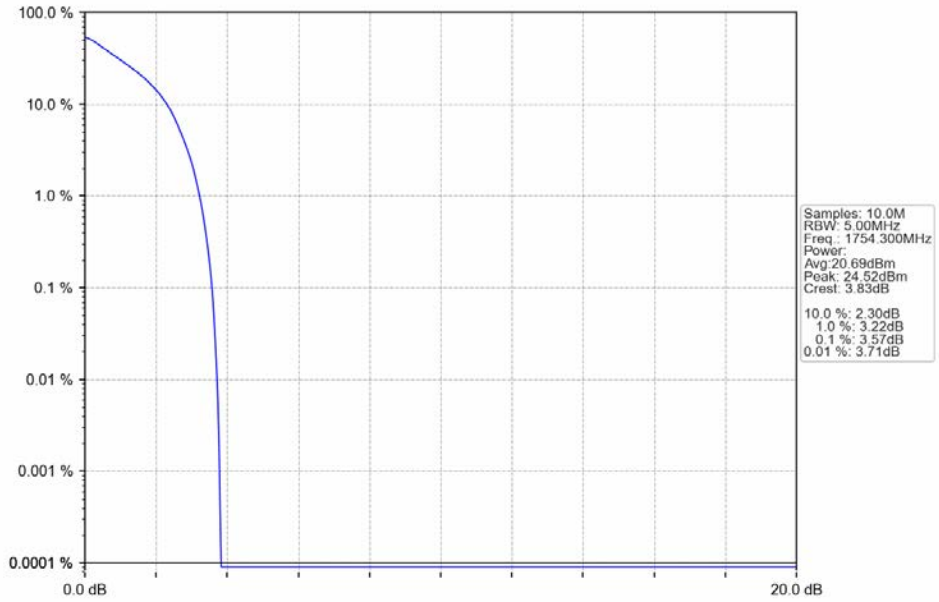
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



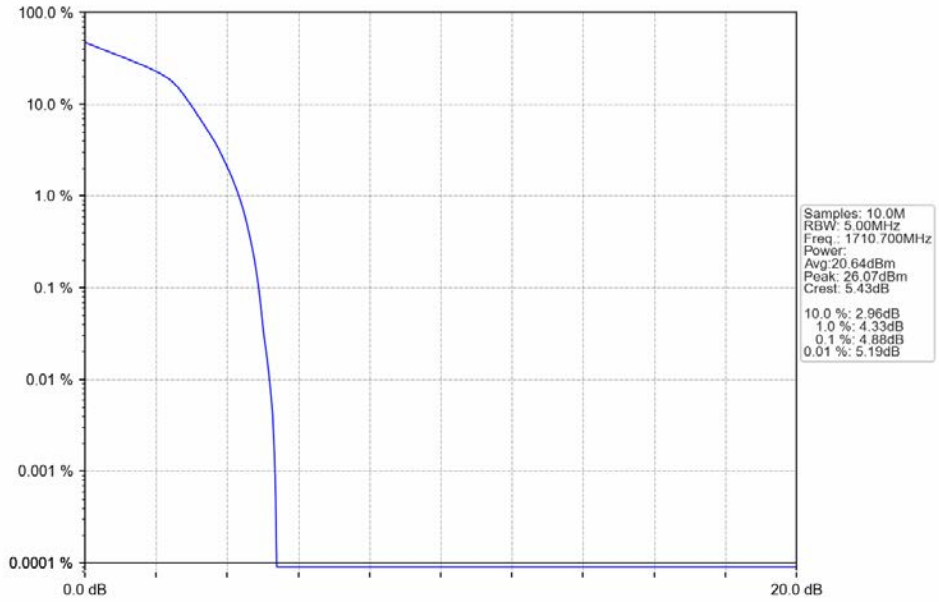
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



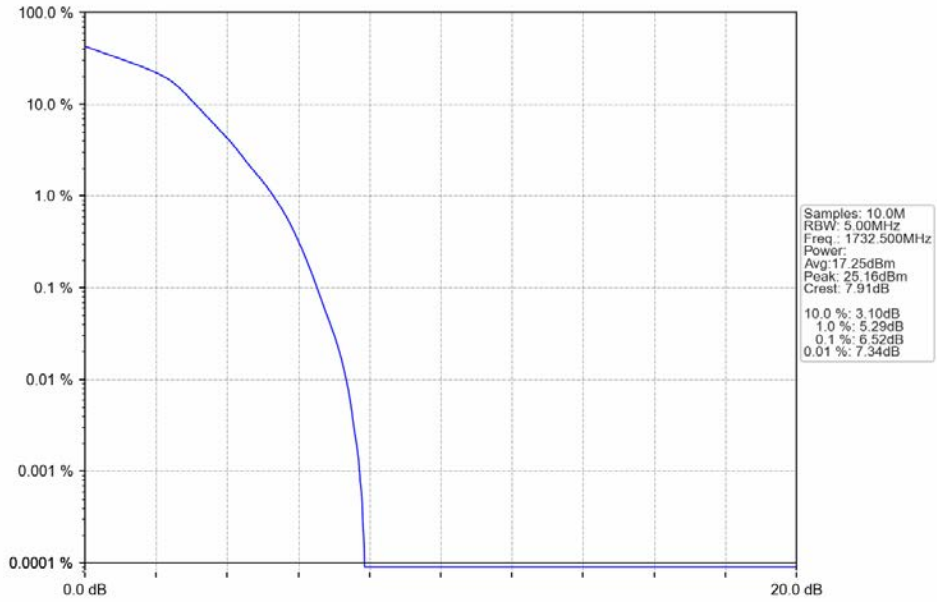
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



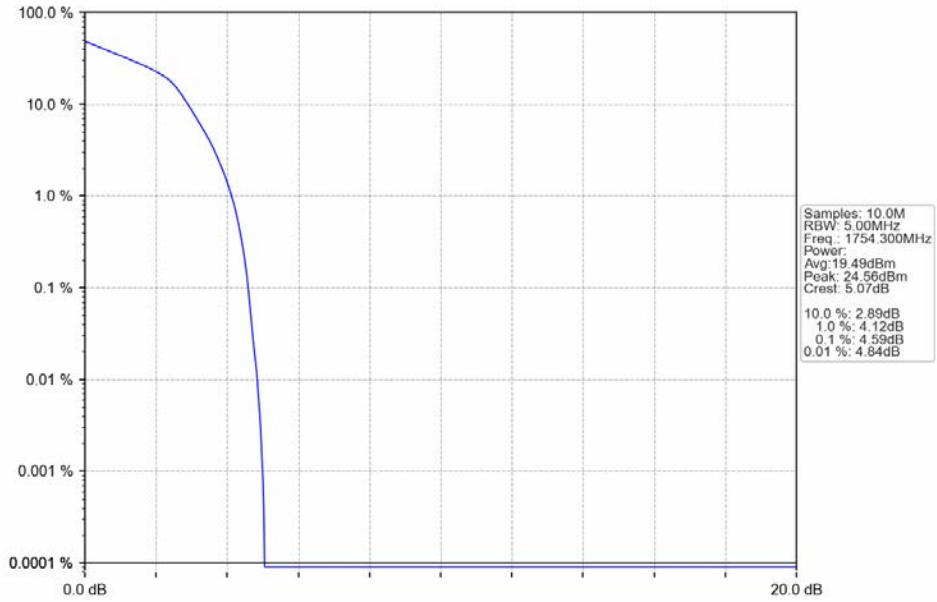
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



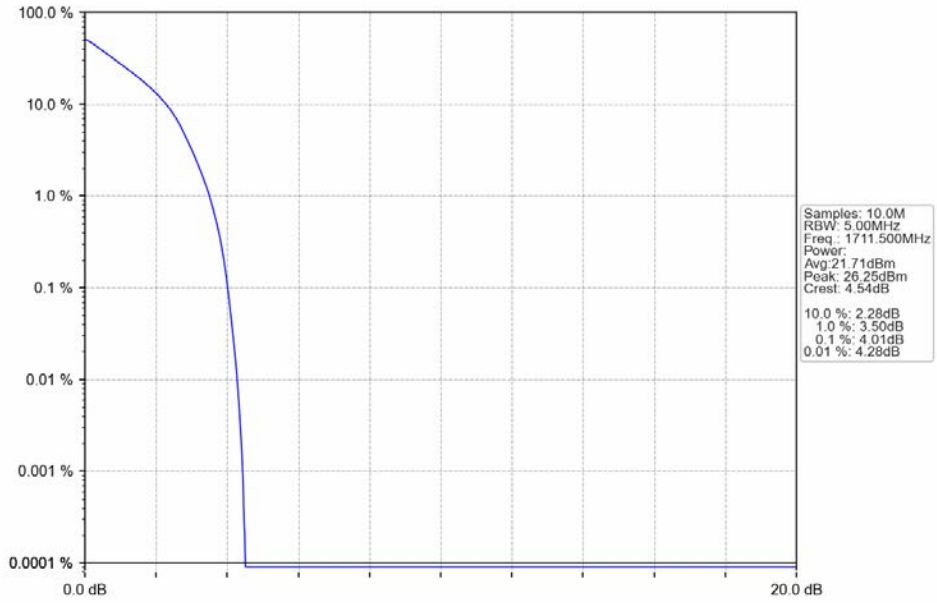
5.2 B4_3MHz

5.2.1 Test Result

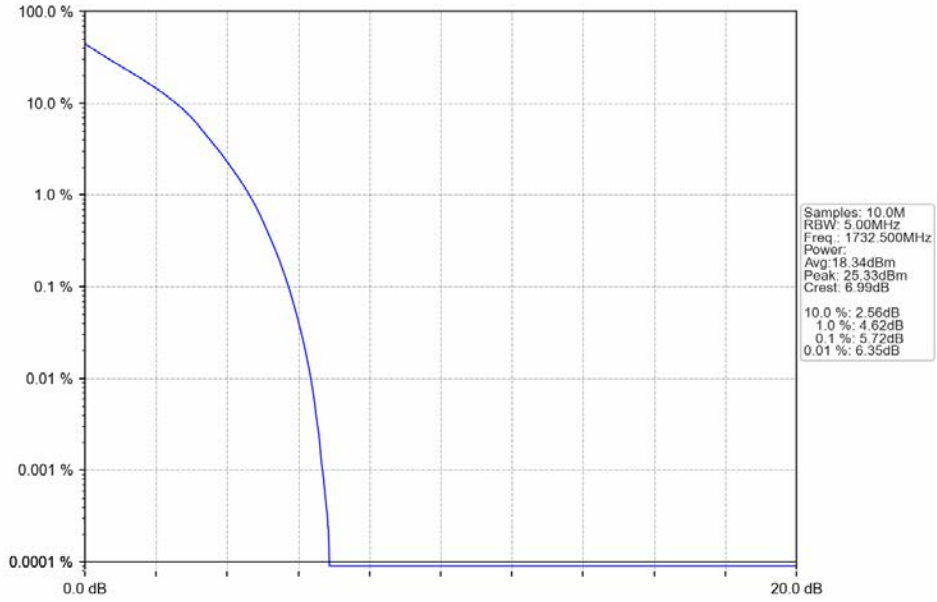
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.01	<=13	Pass
	1732.5	15	0	5.72	<=13	Pass
	1753.5	15	0	3.86	<=13	Pass
16QAM	1711.5	15	0	4.94	<=13	Pass
	1732.5	15	0	6.59	<=13	Pass
	1753.5	15	0	4.80	<=13	Pass

5.2.2 Test Graph

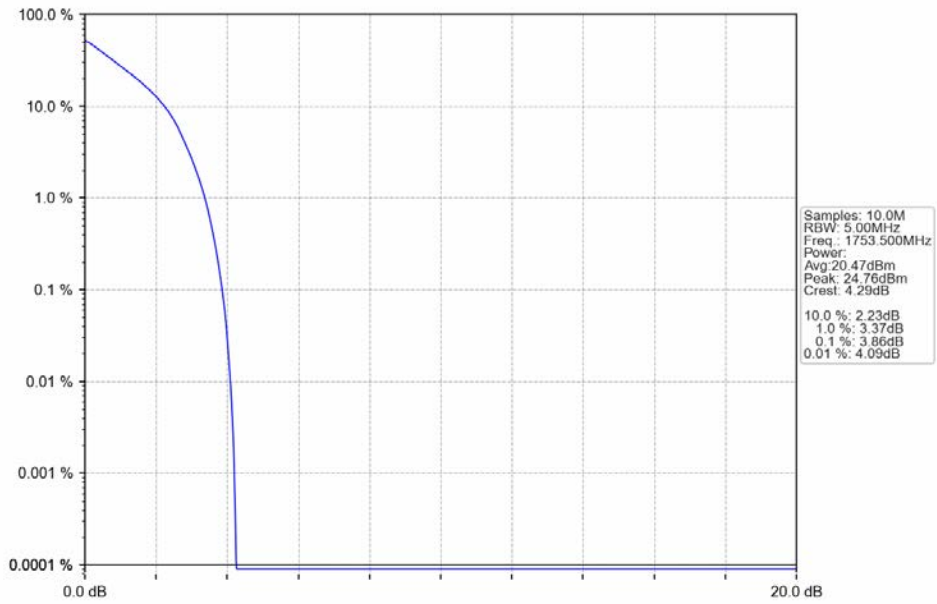
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



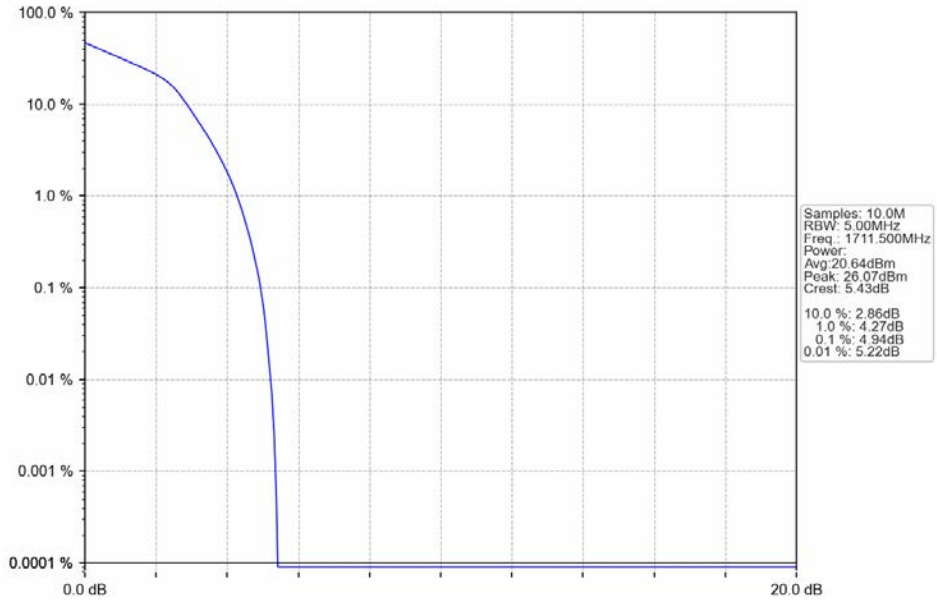
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



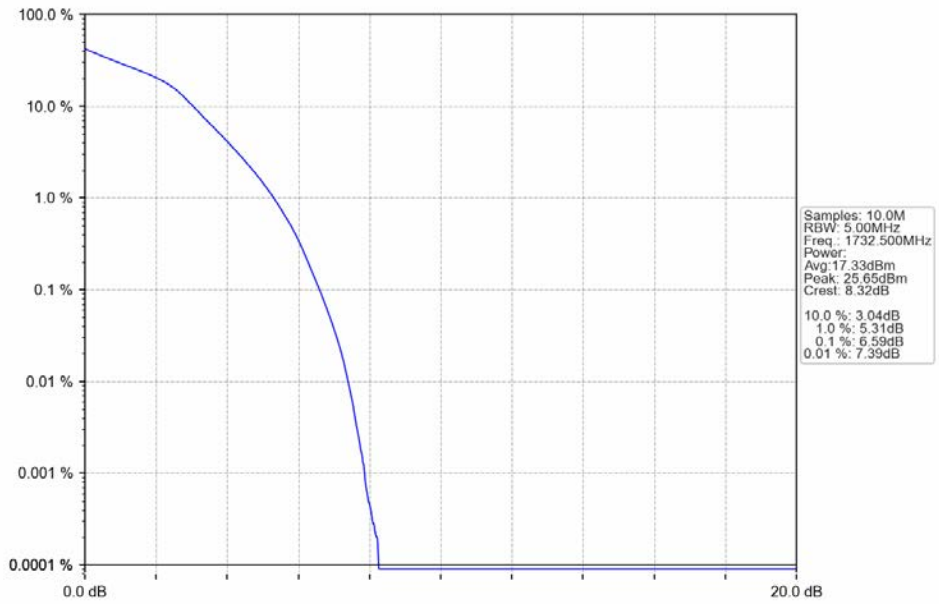
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



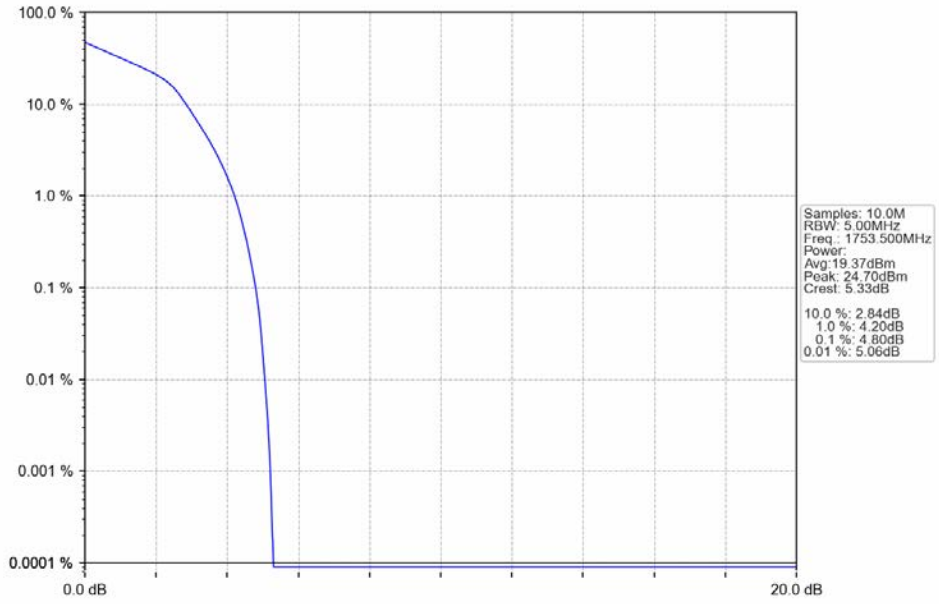
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



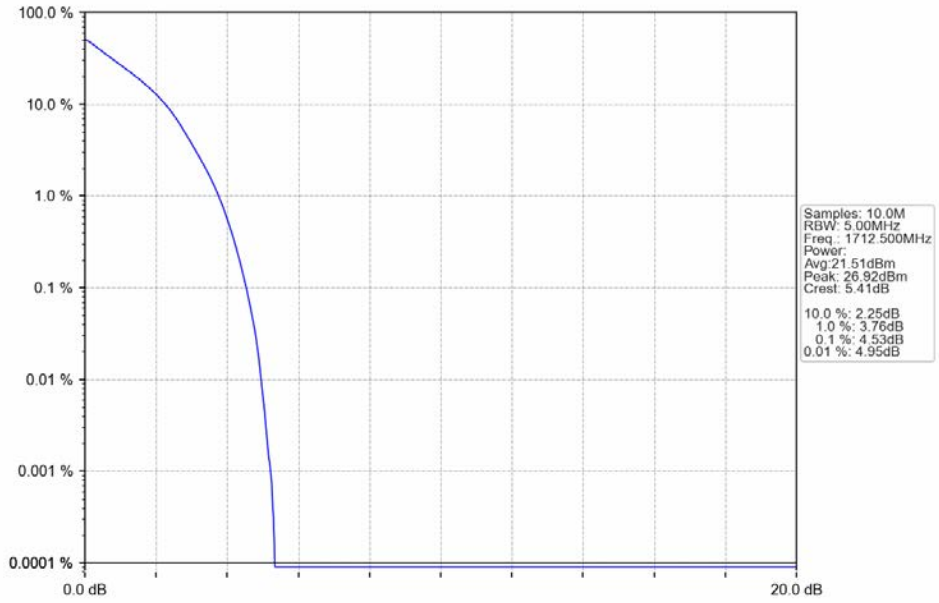
5.3 B4_5MHz

5.3.1 Test Result

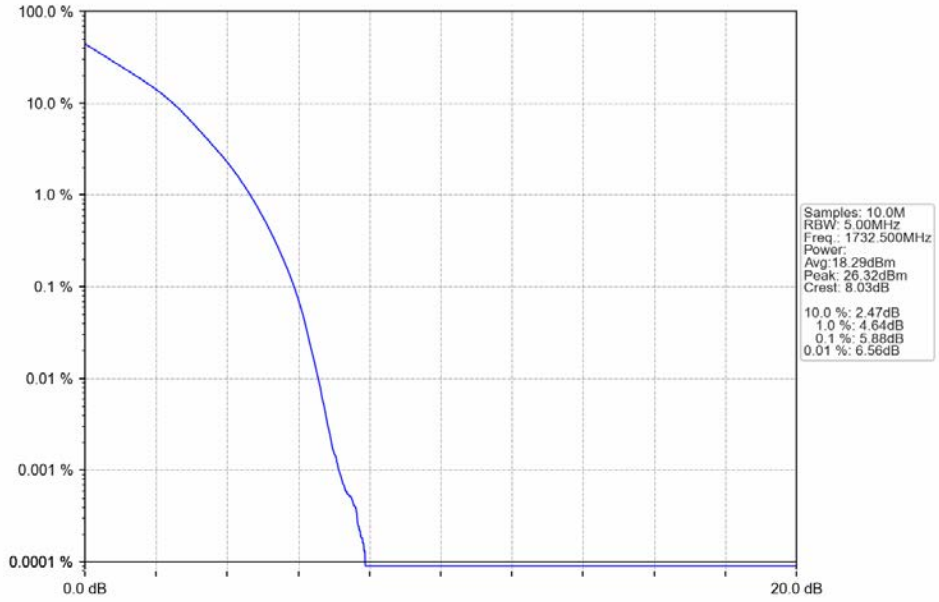
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.53	<=13	Pass
	1732.5	25	0	5.88	<=13	Pass
	1752.5	25	0	4.56	<=13	Pass
16QAM	1712.5	25	0	5.30	<=13	Pass
	1732.5	25	0	6.64	<=13	Pass
	1752.5	25	0	5.37	<=13	Pass

5.3.2 Test Graph

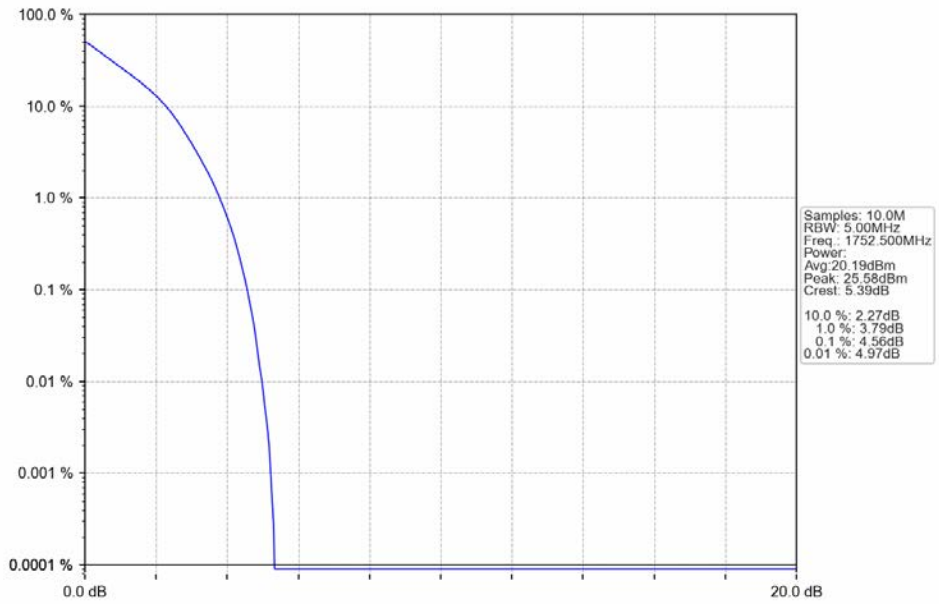
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



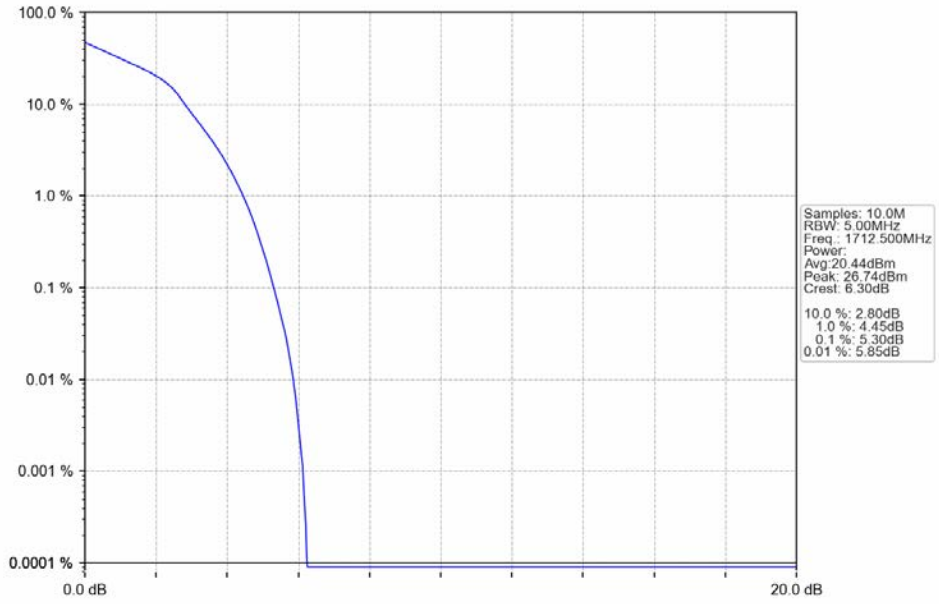
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



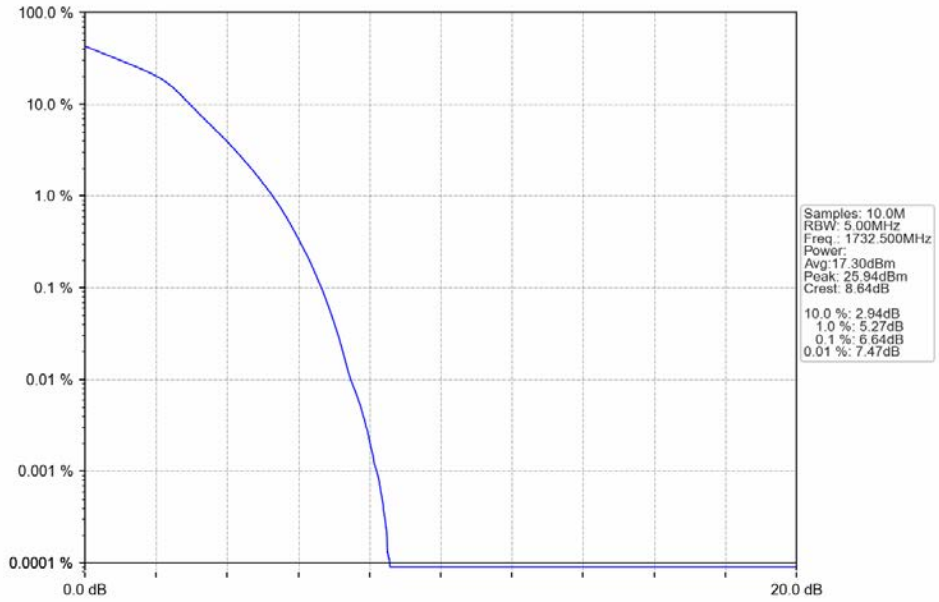
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



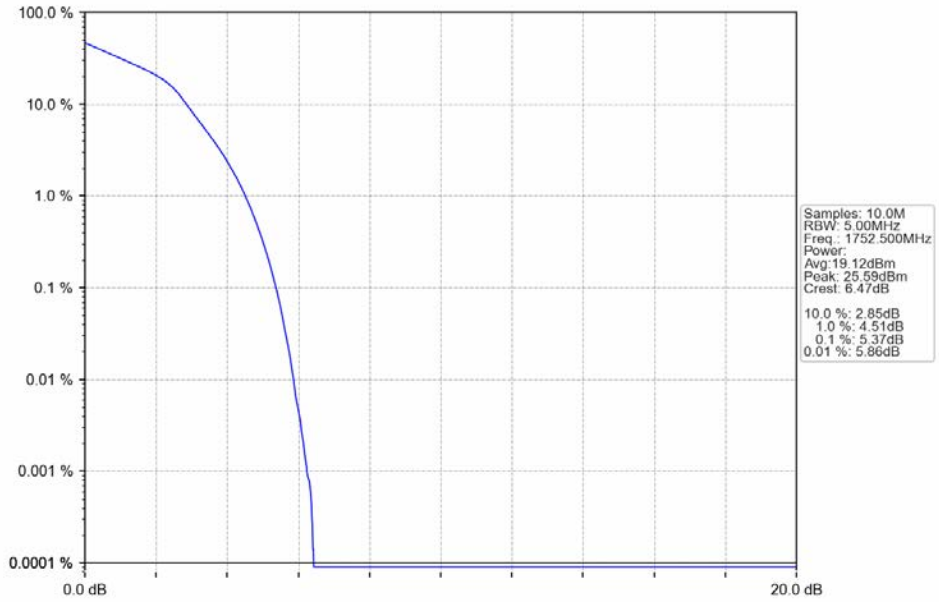
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



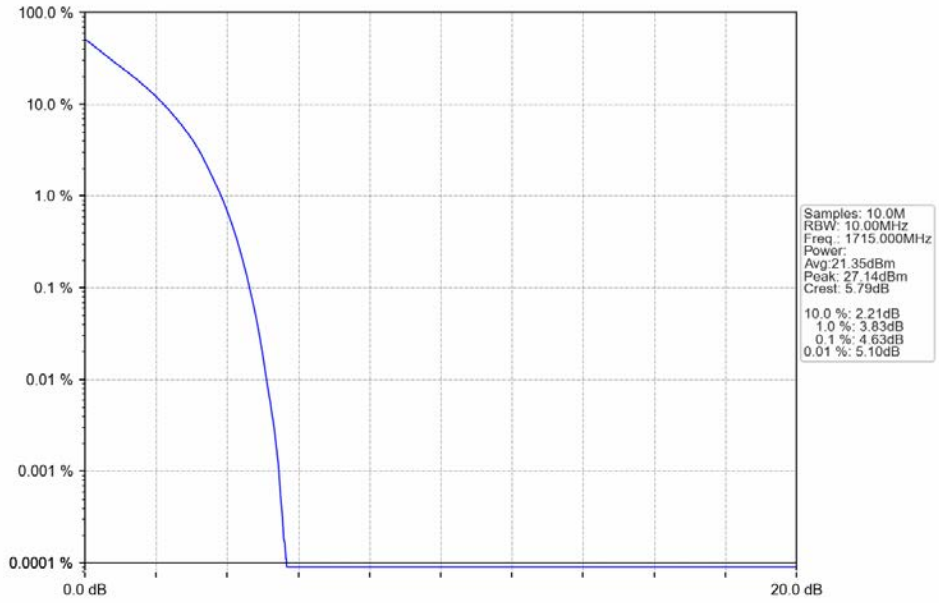
5.4 B4_10MHz

5.4.1 Test Result

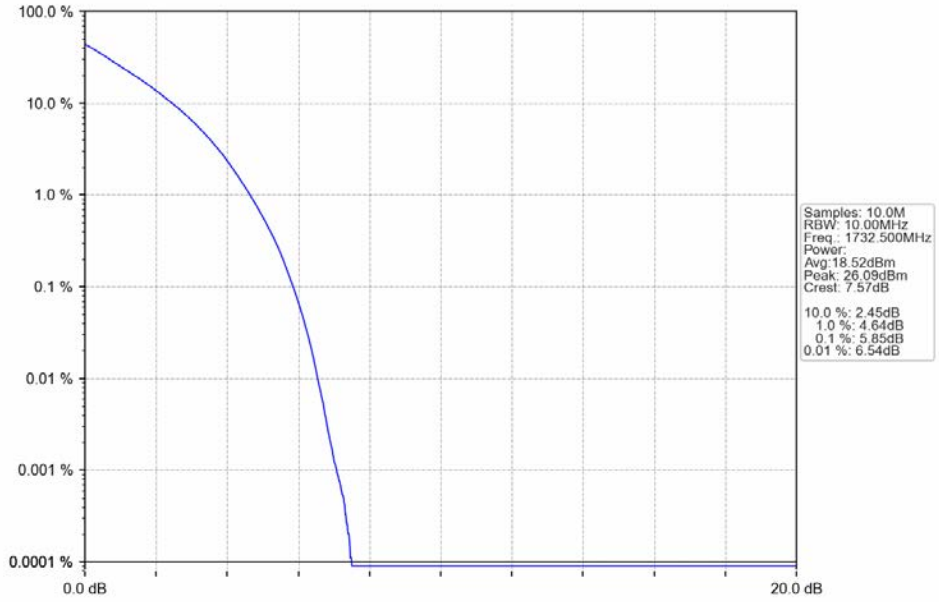
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.63	<=13	Pass
	1732.5	50	0	5.85	<=13	Pass
	1750	50	0	4.86	<=13	Pass
16QAM	1715	50	0	5.45	<=13	Pass
	1732.5	50	0	6.64	<=13	Pass
	1750	50	0	5.67	<=13	Pass

5.4.2 Test Graph

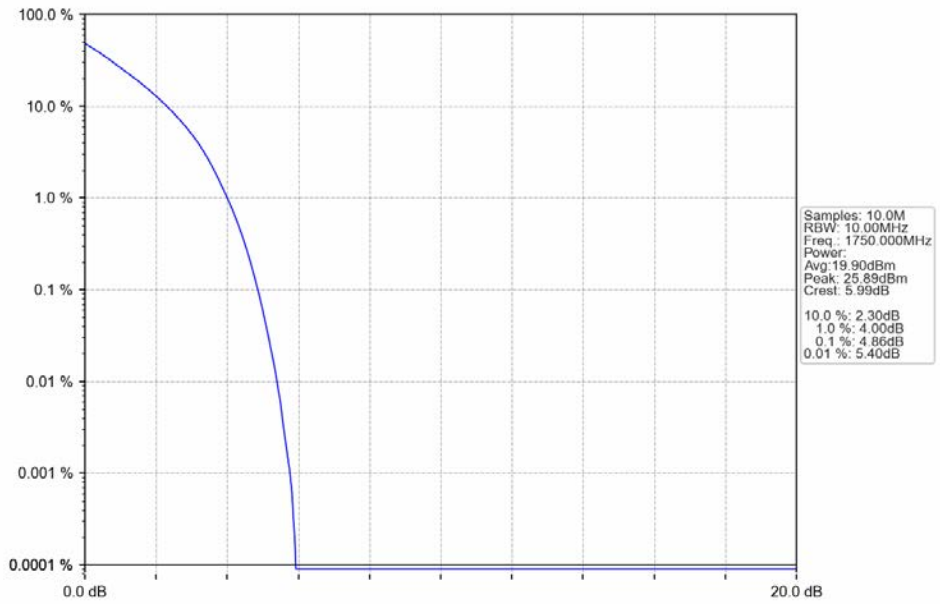
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



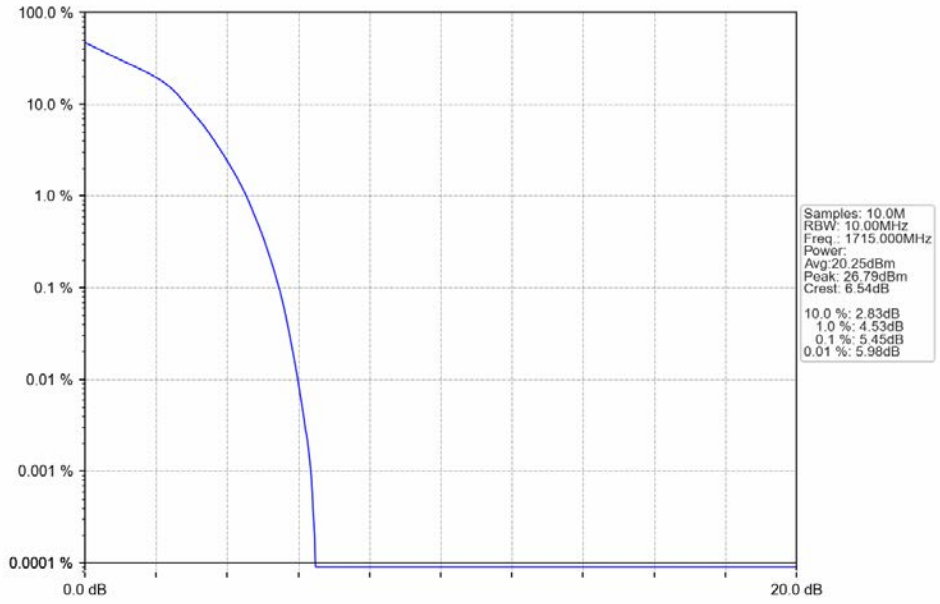
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



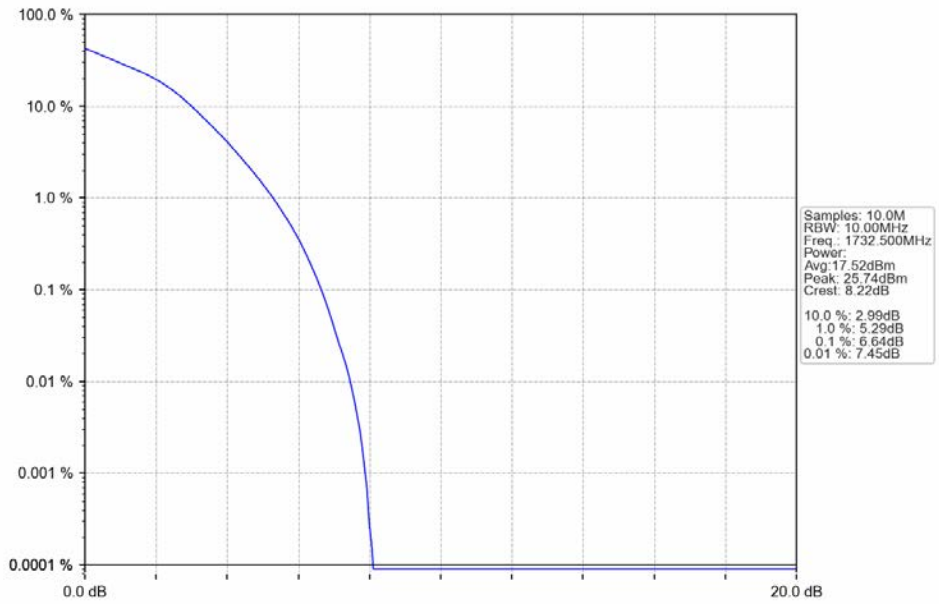
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



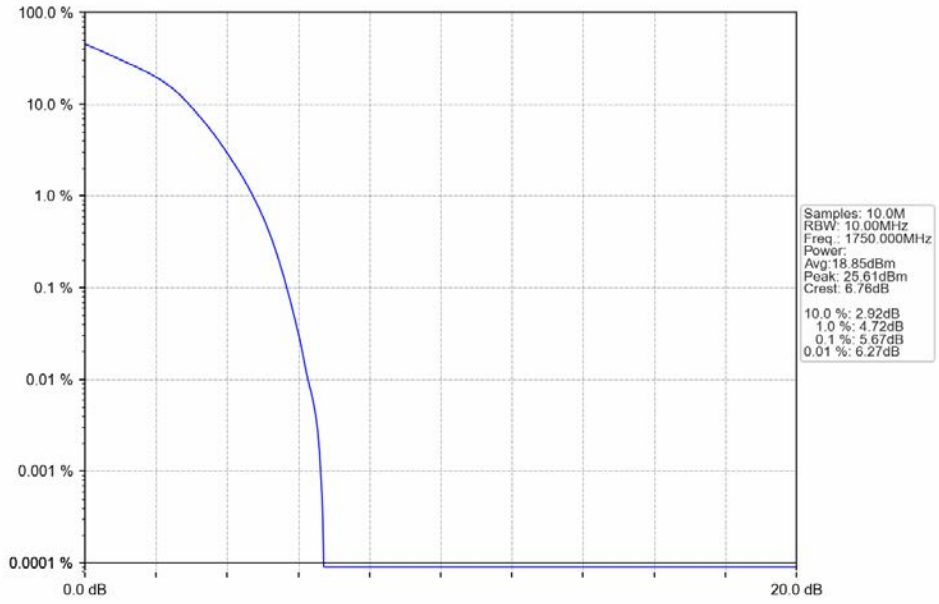
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



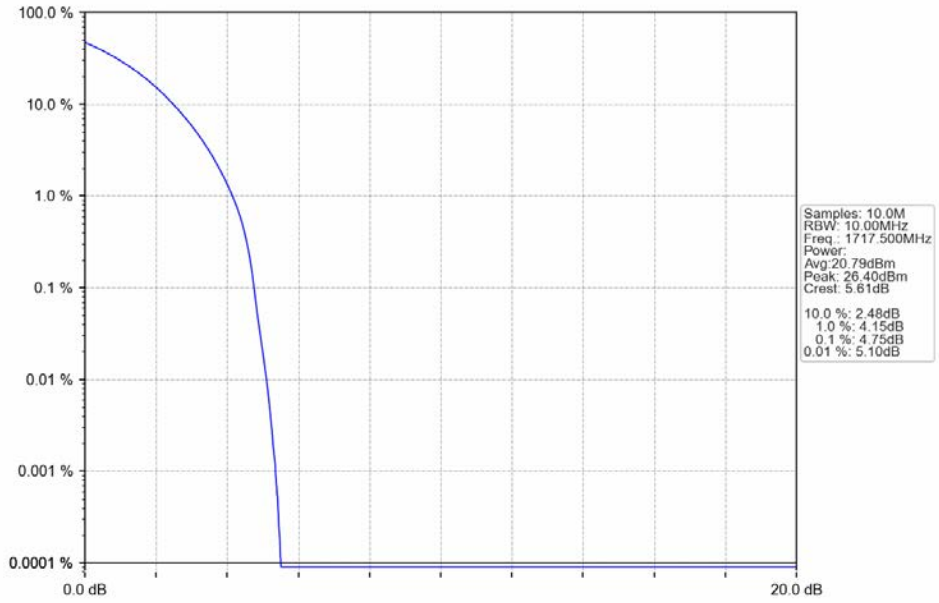
5.5 B4_15MHz

5.5.1 Test Result

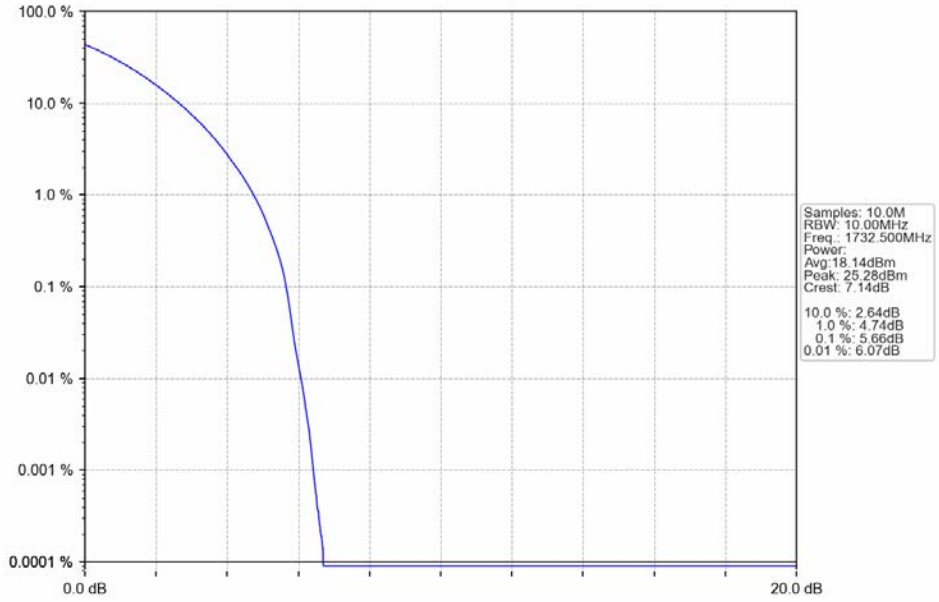
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.75	<=13	Pass
	1732.5	75	0	5.66	<=13	Pass
	1747.5	75	0	5.16	<=13	Pass
16QAM	1717.5	75	0	5.65	<=13	Pass
	1732.5	75	0	6.42	<=13	Pass
	1747.5	75	0	5.96	<=13	Pass

5.5.2 Test Graph

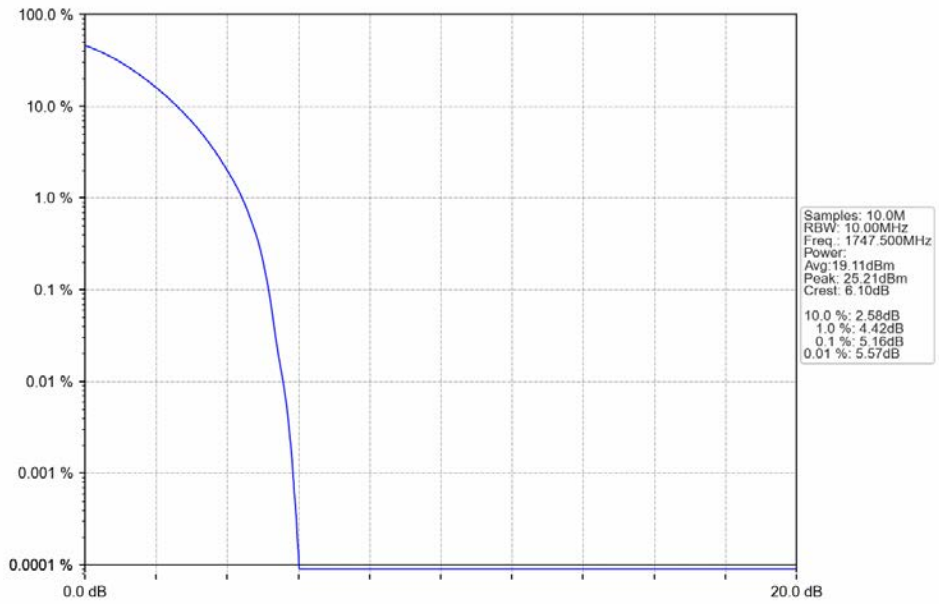
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



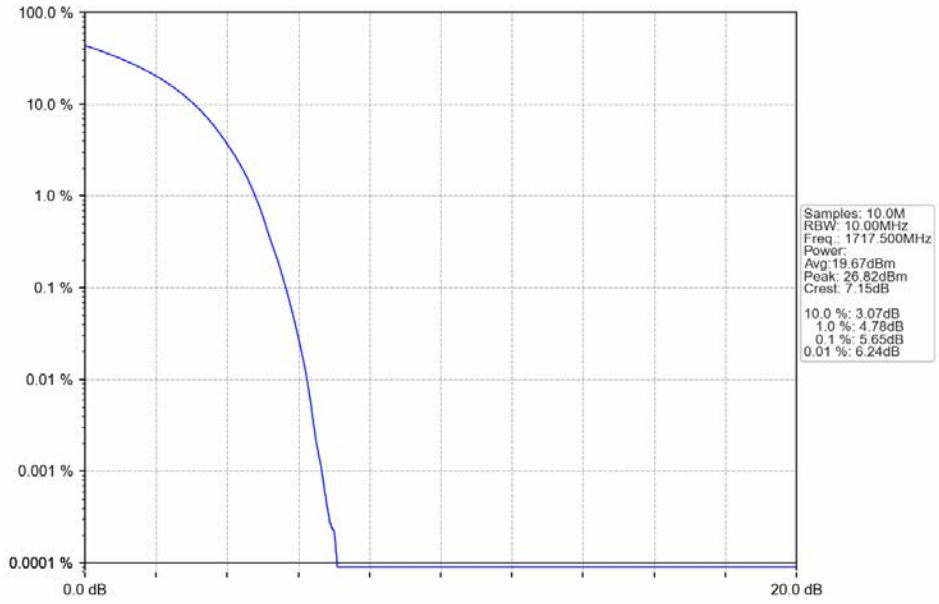
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



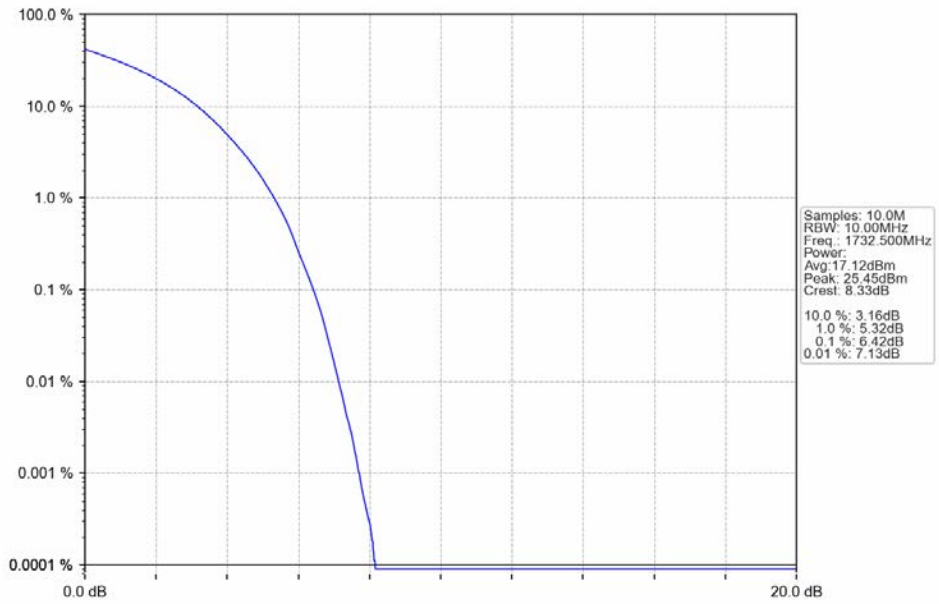
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



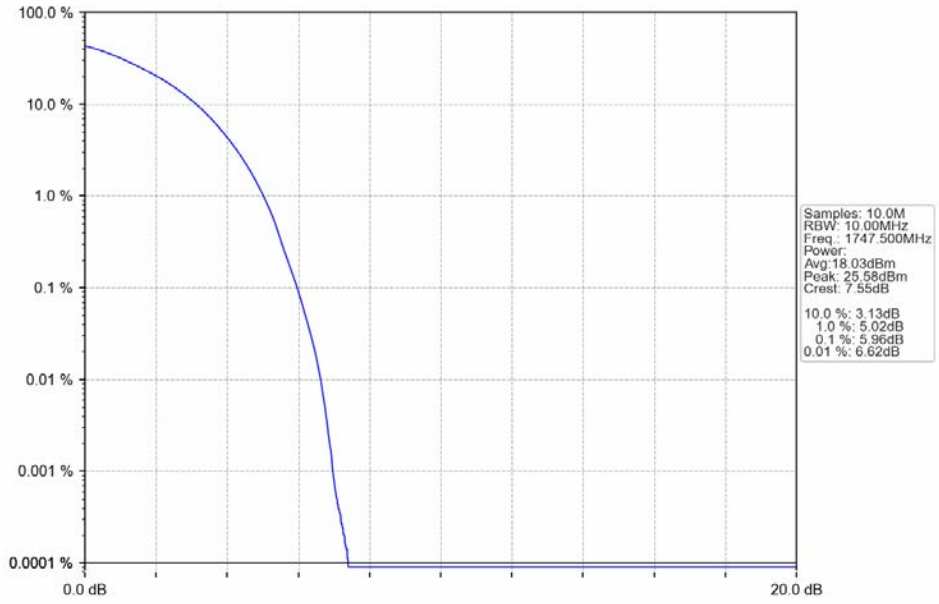
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



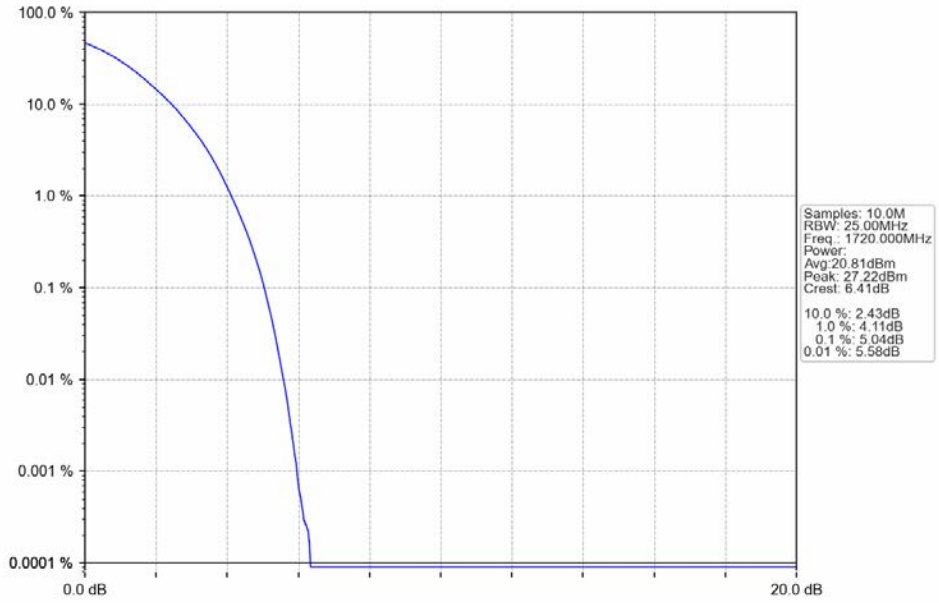
5.6 B4_20MHz

5.6.1 Test Result

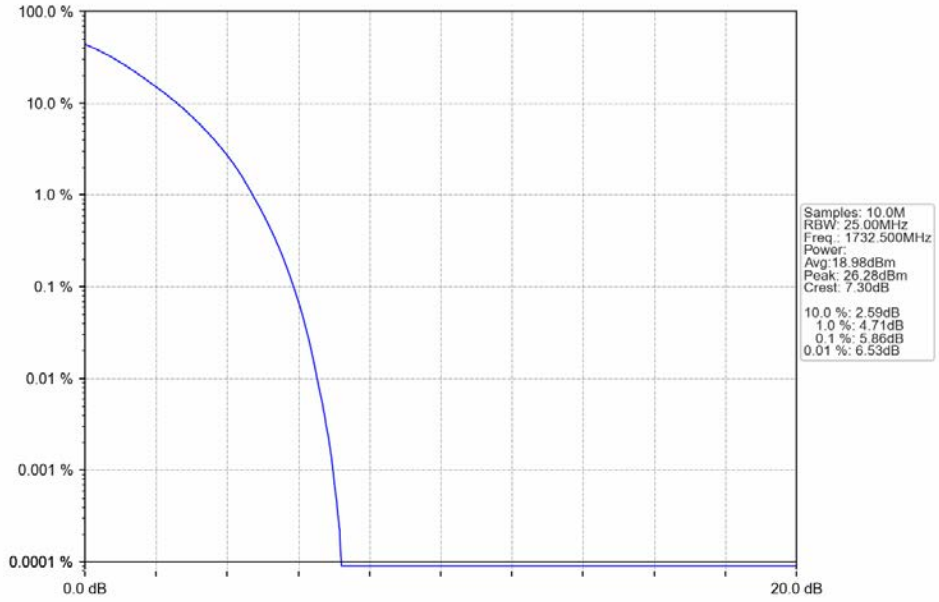
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.04	<=13	Pass
	1732.5	100	0	5.86	<=13	Pass
	1745	100	0	5.38	<=13	Pass
16QAM	1720	100	0	5.80	<=13	Pass
	1732.5	100	0	6.62	<=13	Pass
	1745	100	0	6.17	<=13	Pass

5.6.2 Test Graph

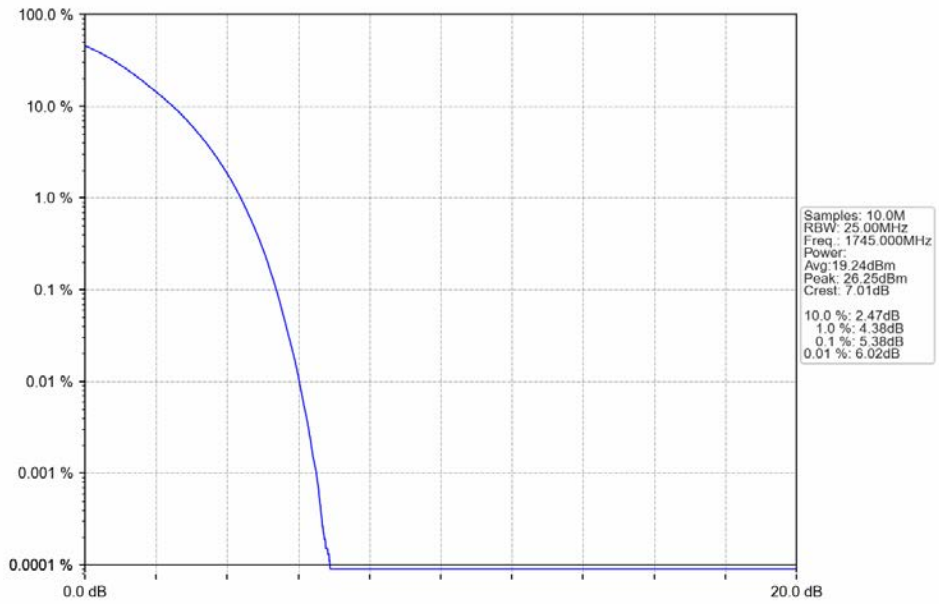
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



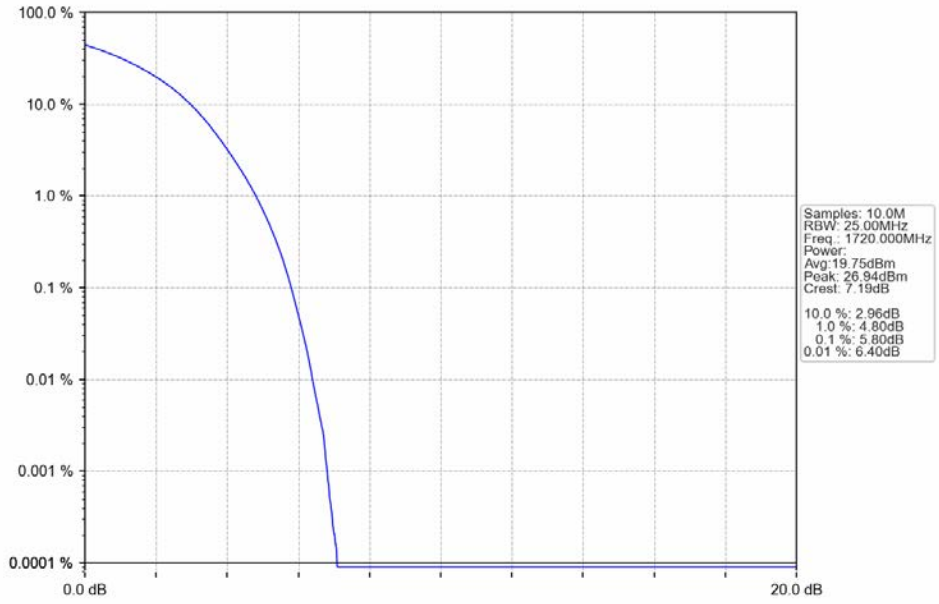
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



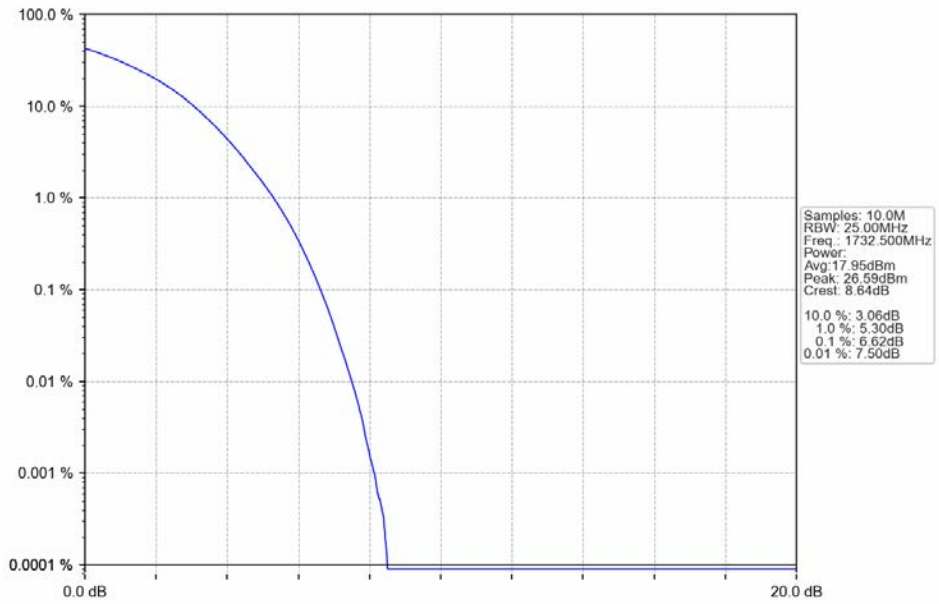
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



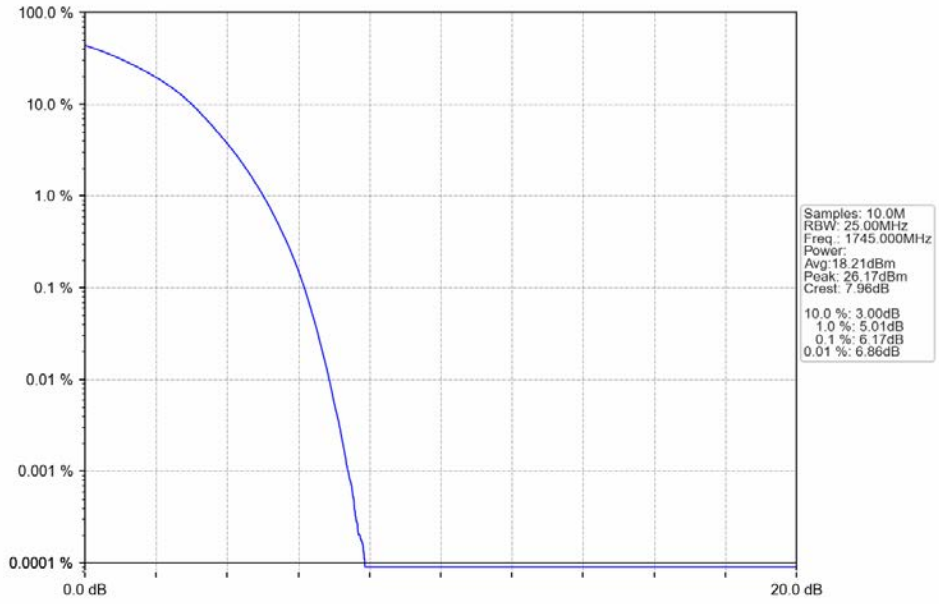
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 B4_1.4MHz

6.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass