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	20.99	-6.82	14.17	<=30	Pass
			2	20.96	-6.82	14.14	<=30	Pass
			5	20.98	-6.82	14.16	<=30	Pass
		3	0	20.87	-6.82	14.05	<=30	Pass
			2	20.89	-6.82	14.07	<=30	Pass
			3	20.87	-6.82	14.05	<=30	Pass
		6	0	19.85	-6.82	13.03	<=30	Pass
	1732.5	1	0	20.85	-6.82	14.03	<=30	Pass
			2	20.97	-6.82	14.15	<=30	Pass
			5	20.98	-6.82	14.16	<=30	Pass
		3	0	21.01	-6.82	14.19	<=30	Pass
			2	21.04	-6.82	14.22	<=30	Pass
			3	20.96	-6.82	14.14	<=30	Pass
		6	0	19.88	-6.82	13.06	<=30	Pass
	1754.3	1	0	20.83	-6.82	14.01	<=30	Pass
			2	20.95	-6.82	14.13	<=30	Pass
			5	21.01	-6.82	14.19	<=30	Pass
		3	0	20.93	-6.82	14.11	<=30	Pass
			2	20.97	-6.82	14.15	<=30	Pass
			3	20.88	-6.82	14.06	<=30	Pass
		6	0	19.93	-6.82	13.11	<=30	Pass
16QAM	1710.7	1	0	19.95	-6.82	13.13	<=30	Pass
			2	19.91	-6.82	13.09	<=30	Pass
			5	19.97	-6.82	13.15	<=30	Pass
		3	0	19.74	-6.82	12.92	<=30	Pass
			2	19.82	-6.82	13	<=30	Pass
			3	19.77	-6.82	12.95	<=30	Pass
		6	0	18.88	-6.82	12.06	<=30	Pass
	1732.5	1	0	19.38	-6.82	12.56	<=30	Pass
			2	19.37	-6.82	12.55	<=30	Pass
			5	19.37	-6.82	12.55	<=30	Pass
		3	0	19.74	-6.82	12.92	<=30	Pass
			2	19.65	-6.82	12.83	<=30	Pass
			3	19.73	-6.82	12.91	<=30	Pass
		6	0	18.91	-6.82	12.09	<=30	Pass
	1754.3	1	0	20.16	-6.82	13.34	<=30	Pass
			2	20.22	-6.82	13.4	<=30	Pass
			5	20.26	-6.82	13.44	<=30	Pass
		3	0	19.83	-6.82	13.01	<=30	Pass
			2	19.90	-6.82	13.08	<=30	Pass
			3	19.83	-6.82	13.01	<=30	Pass
		6	0	18.57	-6.82	11.75	<=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	20.80	-6.82	13.98	<=30	Pass
			7	20.88	-6.82	14.06	<=30	Pass
			14	20.85	-6.82	14.03	<=30	Pass
		8	0	19.92	-6.82	13.1	<=30	Pass
			4	19.88	-6.82	13.06	<=30	Pass
			7	19.85	-6.82	13.03	<=30	Pass
		15	0	19.88	-6.82	13.06	<=30	Pass
	1732.5	1	0	20.85	-6.82	14.03	<=30	Pass
			7	20.88	-6.82	14.06	<=30	Pass
			14	20.88	-6.82	14.06	<=30	Pass
		8	0	19.98	-6.82	13.16	<=30	Pass
			4	19.87	-6.82	13.05	<=30	Pass
			7	19.84	-6.82	13.02	<=30	Pass
		15	0	19.94	-6.82	13.12	<=30	Pass
	1753.5	1	0	20.84	-6.82	14.02	<=30	Pass
			7	20.84	-6.82	14.02	<=30	Pass
			14	20.89	-6.82	14.07	<=30	Pass
		8	0	19.97	-6.82	13.15	<=30	Pass
			4	20.00	-6.82	13.18	<=30	Pass
			7	19.93	-6.82	13.11	<=30	Pass
		15	0	19.94	-6.82	13.12	<=30	Pass
16QAM	1711.5	1	0	19.55	-6.82	12.73	<=30	Pass
			7	19.63	-6.82	12.81	<=30	Pass
			14	19.50	-6.82	12.68	<=30	Pass
		8	0	18.66	-6.82	11.84	<=30	Pass
			4	18.74	-6.82	11.92	<=30	Pass
			7	18.74	-6.82	11.92	<=30	Pass
		15	0	18.73	-6.82	11.91	<=30	Pass
	1732.5	1	0	20.71	-6.82	13.89	<=30	Pass
			7	20.59	-6.82	13.77	<=30	Pass
			14	20.72	-6.82	13.9	<=30	Pass
		8	0	18.80	-6.82	11.98	<=30	Pass
			4	18.88	-6.82	12.06	<=30	Pass
			7	18.87	-6.82	12.05	<=30	Pass
		15	0	18.82	-6.82	12	<=30	Pass
	1753.5	1	0	19.93	-6.82	13.11	<=30	Pass
			7	19.81	-6.82	12.99	<=30	Pass
			14	19.87	-6.82	13.05	<=30	Pass
		8	0	18.64	-6.82	11.82	<=30	Pass
			4	18.73	-6.82	11.91	<=30	Pass
			7	18.71	-6.82	11.89	<=30	Pass
		15	0	18.71	-6.82	11.89	<=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	20.76	-6.82	13.94	<=30	Pass
			13	20.64	-6.82	13.82	<=30	Pass
			24	20.68	-6.82	13.86	<=30	Pass
		12	0	19.91	-6.82	13.09	<=30	Pass
			6	19.87	-6.82	13.05	<=30	Pass
			13	19.92	-6.82	13.1	<=30	Pass

		25	0	19.89	-6.82	13.07	<=30	Pass
	1732.5	1	0	20.83	-6.82	14.01	<=30	Pass
			13	20.85	-6.82	14.03	<=30	Pass
			24	20.93	-6.82	14.11	<=30	Pass
		12	0	19.92	-6.82	13.1	<=30	Pass
			6	19.96	-6.82	13.14	<=30	Pass
			13	19.86	-6.82	13.04	<=30	Pass
		25	0	19.84	-6.82	13.02	<=30	Pass
	1752.5	1	0	20.96	-6.82	14.14	<=30	Pass
			13	20.94	-6.82	14.12	<=30	Pass
			24	20.95	-6.82	14.13	<=30	Pass
		12	0	19.96	-6.82	13.14	<=30	Pass
			6	19.89	-6.82	13.07	<=30	Pass
			13	20.05	-6.82	13.23	<=30	Pass
		25	0	20.07	-6.82	13.25	<=30	Pass
16QAM	1712.5	1	0	19.97	-6.82	13.15	<=30	Pass
			13	20.08	-6.82	13.26	<=30	Pass
			24	20.06	-6.82	13.24	<=30	Pass
		12	0	18.52	-6.82	11.7	<=30	Pass
			6	18.72	-6.82	11.9	<=30	Pass
			13	18.64	-6.82	11.82	<=30	Pass
		25	0	18.63	-6.82	11.81	<=30	Pass
	1732.5	1	0	20.12	-6.82	13.3	<=30	Pass
			13	20.07	-6.82	13.25	<=30	Pass
			24	20.06	-6.82	13.24	<=30	Pass
		12	0	18.62	-6.82	11.8	<=30	Pass
			6	18.80	-6.82	11.98	<=30	Pass
			13	18.69	-6.82	11.87	<=30	Pass
		25	0	18.73	-6.82	11.91	<=30	Pass
	1752.5	1	0	19.60	-6.82	12.78	<=30	Pass
			13	19.59	-6.82	12.77	<=30	Pass
			24	19.56	-6.82	12.74	<=30	Pass
		12	0	18.46	-6.82	11.64	<=30	Pass
			6	18.62	-6.82	11.8	<=30	Pass
			13	18.50	-6.82	11.68	<=30	Pass
		25	0	18.57	-6.82	11.75	<=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	20.85	-6.82	14.03	<=30	Pass
			25	20.86	-6.82	14.04	<=30	Pass
			49	20.92	-6.82	14.1	<=30	Pass
		25	0	19.86	-6.82	13.04	<=30	Pass
			13	19.81	-6.82	12.99	<=30	Pass
			25	19.81	-6.82	12.99	<=30	Pass
		50	0	19.96	-6.82	13.14	<=30	Pass
	1732.5	1	0	20.83	-6.82	14.01	<=30	Pass
			25	20.90	-6.82	14.08	<=30	Pass
			49	20.93	-6.82	14.11	<=30	Pass
		25	0	20.01	-6.82	13.19	<=30	Pass
			13	19.99	-6.82	13.17	<=30	Pass
			25	19.89	-6.82	13.07	<=30	Pass
		50	0	19.96	-6.82	13.14	<=30	Pass

	1750	1	0	21.00	-6.82	14.18	<=30	Pass
			25	21.06	-6.82	14.24	<=30	Pass
			49	21.04	-6.82	14.22	<=30	Pass
		25	0	19.94	-6.82	13.12	<=30	Pass
			13	20.12	-6.82	13.3	<=30	Pass
			25	19.96	-6.82	13.14	<=30	Pass
		50	0	20.11	-6.82	13.29	<=30	Pass
16QAM	1715	1	0	19.28	-6.82	12.46	<=30	Pass
			25	19.30	-6.82	12.48	<=30	Pass
			49	19.35	-6.82	12.53	<=30	Pass
		25	0	18.46	-6.82	11.64	<=30	Pass
			13	18.67	-6.82	11.85	<=30	Pass
			25	18.83	-6.82	12.01	<=30	Pass
		50	0	18.70	-6.82	11.88	<=30	Pass
	1732.5	1	0	20.61	-6.82	13.79	<=30	Pass
			25	20.62	-6.82	13.8	<=30	Pass
			49	20.70	-6.82	13.88	<=30	Pass
		25	0	18.68	-6.82	11.86	<=30	Pass
			13	18.87	-6.82	12.05	<=30	Pass
			25	19.05	-6.82	12.23	<=30	Pass
		50	0	18.89	-6.82	12.07	<=30	Pass
	1750	1	0	19.79	-6.82	12.97	<=30	Pass
			25	19.98	-6.82	13.16	<=30	Pass
			49	19.87	-6.82	13.05	<=30	Pass
		25	0	18.58	-6.82	11.76	<=30	Pass
			13	18.71	-6.82	11.89	<=30	Pass
			25	18.85	-6.82	12.03	<=30	Pass
		50	0	18.72	-6.82	11.9	<=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	20.78	-6.82	13.96	<=30	Pass
			38	20.86	-6.82	14.04	<=30	Pass
			74	20.89	-6.82	14.07	<=30	Pass
		36	0	19.82	-6.82	13	<=30	Pass
			18	19.80	-6.82	12.98	<=30	Pass
			39	19.98	-6.82	13.16	<=30	Pass
		75	0	19.92	-6.82	13.1	<=30	Pass
	1732.5	1	0	20.82	-6.82	14	<=30	Pass
			38	20.88	-6.82	14.06	<=30	Pass
			74	20.92	-6.82	14.1	<=30	Pass
		36	0	19.93	-6.82	13.11	<=30	Pass
			18	19.92	-6.82	13.1	<=30	Pass
			39	20.04	-6.82	13.22	<=30	Pass
		75	0	19.96	-6.82	13.14	<=30	Pass
	1747.5	1	0	21.06	-6.82	14.24	<=30	Pass
			38	21.10	-6.82	14.28	<=30	Pass
			74	21.11	-6.82	14.29	<=30	Pass
		36	0	19.96	-6.82	13.14	<=30	Pass
			18	20.07	-6.82	13.25	<=30	Pass
			39	19.93	-6.82	13.11	<=30	Pass
		75	0	19.91	-6.82	13.09	<=30	Pass
16QAM	1717.5	1	0	20.06	-6.82	13.24	<=30	Pass

			38	19.98	-6.82	13.16	<=30	Pass
			74	20.04	-6.82	13.22	<=30	Pass
		36	0	18.55	-6.82	11.73	<=30	Pass
			18	18.61	-6.82	11.79	<=30	Pass
			39	18.72	-6.82	11.9	<=30	Pass
		75	0	18.68	-6.82	11.86	<=30	Pass
	1732.5	1	0	20.67	-6.82	13.85	<=30	Pass
			38	20.69	-6.82	13.87	<=30	Pass
			74	20.67	-6.82	13.85	<=30	Pass
		36	0	18.71	-6.82	11.89	<=30	Pass
			18	18.75	-6.82	11.93	<=30	Pass
			39	18.89	-6.82	12.07	<=30	Pass
		75	0	18.82	-6.82	12	<=30	Pass
	1747.5	1	0	19.90	-6.82	13.08	<=30	Pass
			38	19.89	-6.82	13.07	<=30	Pass
			74	19.95	-6.82	13.13	<=30	Pass
		36	0	18.61	-6.82	11.79	<=30	Pass
			18	18.60	-6.82	11.78	<=30	Pass
			39	18.68	-6.82	11.86	<=30	Pass
		75	0	18.67	-6.82	11.85	<=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	20.92	-6.82	14.1	<=30	Pass
			50	20.90	-6.82	14.08	<=30	Pass
			99	20.98	-6.82	14.16	<=30	Pass
		50	0	19.76	-6.82	12.94	<=30	Pass
			25	19.94	-6.82	13.12	<=30	Pass
			50	19.85	-6.82	13.03	<=30	Pass
		100	0	19.83	-6.82	13.01	<=30	Pass
	1732.5	1	0	20.89	-6.82	14.07	<=30	Pass
			50	20.96	-6.82	14.14	<=30	Pass
			99	20.98	-6.82	14.16	<=30	Pass
		50	0	19.81	-6.82	12.99	<=30	Pass
			25	19.86	-6.82	13.04	<=30	Pass
			50	19.95	-6.82	13.13	<=30	Pass
		100	0	19.91	-6.82	13.09	<=30	Pass
	1745	1	0	20.96	-6.82	14.14	<=30	Pass
			50	20.96	-6.82	14.14	<=30	Pass
			99	20.99	-6.82	14.17	<=30	Pass
		50	0	19.88	-6.82	13.06	<=30	Pass
			25	19.76	-6.82	12.94	<=30	Pass
			50	19.82	-6.82	13	<=30	Pass
		100	0	19.80	-6.82	12.98	<=30	Pass
16QAM	1720	1	0	19.90	-6.82	13.08	<=30	Pass
			50	19.91	-6.82	13.09	<=30	Pass
			99	19.92	-6.82	13.1	<=30	Pass
		50	0	18.49	-6.82	11.67	<=30	Pass
			25	18.74	-6.82	11.92	<=30	Pass
			50	19.02	-6.82	12.2	<=30	Pass
		100	0	18.82	-6.82	12	<=30	Pass
	1732.5	1	0	19.92	-6.82	13.1	<=30	Pass
			50	19.95	-6.82	13.13	<=30	Pass

			99	19.99	-6.82	13.17	<=30	Pass
		50	0	18.73	-6.82	11.91	<=30	Pass
			25	19.01	-6.82	12.19	<=30	Pass
			50	19.29	-6.82	12.47	<=30	Pass
		100	0	19.11	-6.82	12.29	<=30	Pass
	1745	1	0	18.94	-6.82	12.12	<=30	Pass
			50	19.05	-6.82	12.23	<=30	Pass
			99	19.09	-6.82	12.27	<=30	Pass
		50	0	18.84	-6.82	12.02	<=30	Pass
			25	19.03	-6.82	12.21	<=30	Pass
			50	19.28	-6.82	12.46	<=30	Pass
		100	0	18.99	-6.82	12.17	<=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	-14.176	-0.0083	-2.5 to 2.5	Pass
					3.85	-22.588	-0.0132	-2.5 to 2.5	Pass
					4.43	-10.557	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	18.010	0.0105	-2.5 to 2.5	Pass
				-20	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				-10	3.85	28.682	0.0168	-2.5 to 2.5	Pass
				0	3.85	23.632	0.0138	-2.5 to 2.5	Pass
				10	3.85	46.792	0.0274	-2.5 to 2.5	Pass
				30	3.85	26.765	0.0156	-2.5 to 2.5	Pass
				40	3.85	8.798	0.0051	-2.5 to 2.5	Pass
				50	3.85	31.457	0.0184	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.818	-0.0016	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
					4.43	-1.187	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.136	0.0030	-2.5 to 2.5	Pass
				-20	3.85	17.238	0.0099	-2.5 to 2.5	Pass
				-10	3.85	22.817	0.0132	-2.5 to 2.5	Pass
				0	3.85	32.544	0.0188	-2.5 to 2.5	Pass
				10	3.85	28.324	0.0163	-2.5 to 2.5	Pass
				30	3.85	19.956	0.0115	-2.5 to 2.5	Pass
				40	3.85	29.211	0.0169	-2.5 to 2.5	Pass
				50	3.85	31.929	0.0184	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	9.327	0.0053	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0014	-2.5 to 2.5	Pass
					4.43	-6.595	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-8.140	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				10	3.85	5.851	0.0033	-2.5 to 2.5	Pass
				30	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				40	3.85	7.668	0.0044	-2.5 to 2.5	Pass
				50	3.85	8.898	0.0051	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	3.419	0.0020	-2.5 to 2.5	Pass
					3.85	15.965	0.0093	-2.5 to 2.5	Pass
					4.43	32.845	0.0192	-2.5 to 2.5	Pass
				-30	3.85	6.738	0.0039	-2.5 to 2.5	Pass
				-20	3.85	21.672	0.0127	-2.5 to 2.5	Pass
				-10	3.85	30.427	0.0178	-2.5 to 2.5	Pass
				0	3.85	5.765	0.0034	-2.5 to 2.5	Pass
				10	3.85	11.673	0.0068	-2.5 to 2.5	Pass
				30	3.85	29.182	0.0171	-2.5 to 2.5	Pass
				40	3.85	7.353	0.0043	-2.5 to 2.5	Pass
				50	3.85	14.577	0.0085	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	42.243	0.0244	-2.5 to 2.5	Pass
					3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
					4.43	2.875	0.0017	-2.5 to 2.5	Pass
				-30	3.85	4.706	0.0027	-2.5 to 2.5	Pass
				-20	3.85	6.394	0.0037	-2.5 to 2.5	Pass
				-10	3.85	10.014	0.0058	-2.5 to 2.5	Pass
				0	3.85	8.225	0.0047	-2.5 to 2.5	Pass
				10	3.85	15.163	0.0088	-2.5 to 2.5	Pass
				30	3.85	14.391	0.0083	-2.5 to 2.5	Pass
				40	3.85	17.767	0.0103	-2.5 to 2.5	Pass
				50	3.85	20.542	0.0119	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	6.895	0.0039	-2.5 to 2.5	Pass
					3.85	14.391	0.0082	-2.5 to 2.5	Pass
					4.43	17.195	0.0098	-2.5 to 2.5	Pass
				-30	3.85	20.514	0.0117	-2.5 to 2.5	Pass
				-20	3.85	14.791	0.0084	-2.5 to 2.5	Pass
				-10	3.85	13.361	0.0076	-2.5 to 2.5	Pass
				0	3.85	11.587	0.0066	-2.5 to 2.5	Pass
				10	3.85	7.167	0.0041	-2.5 to 2.5	Pass
				30	3.85	12.202	0.0070	-2.5 to 2.5	Pass
				40	3.85	6.065	0.0035	-2.5 to 2.5	Pass
				50	3.85	13.862	0.0079	-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	2.761	0.0016	-2.5 to 2.5	Pass
					3.85	-20.185	-0.0118	-2.5 to 2.5	Pass
					4.43	-15.750	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				-20	3.85	23.975	0.0140	-2.5 to 2.5	Pass
				-10	3.85	3.061	0.0018	-2.5 to 2.5	Pass
				0	3.85	21.629	0.0126	-2.5 to 2.5	Pass
				10	3.85	23.646	0.0138	-2.5 to 2.5	Pass
				30	3.85	3.033	0.0018	-2.5 to 2.5	Pass
				40	3.85	23.932	0.0140	-2.5 to 2.5	Pass
				50	3.85	4.535	0.0026	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.189	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
					4.43	-8.211	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	6.251	0.0036	-2.5 to 2.5	Pass
				-10	3.85	9.227	0.0053	-2.5 to 2.5	Pass
				0	3.85	23.561	0.0136	-2.5 to 2.5	Pass

				10	3.85	36.392	0.0210	-2.5 to 2.5	Pass
				30	3.85	23.017	0.0133	-2.5 to 2.5	Pass
				40	3.85	32.973	0.0190	-2.5 to 2.5	Pass
				50	3.85	40.069	0.0231	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	24.576	0.0140	-2.5 to 2.5	Pass
					3.85	14.563	0.0083	-2.5 to 2.5	Pass
					4.43	12.102	0.0069	-2.5 to 2.5	Pass
				-30	3.85	7.110	0.0041	-2.5 to 2.5	Pass
				-20	3.85	13.919	0.0079	-2.5 to 2.5	Pass
				-10	3.85	13.890	0.0079	-2.5 to 2.5	Pass
				0	3.85	17.781	0.0101	-2.5 to 2.5	Pass
				10	3.85	19.827	0.0113	-2.5 to 2.5	Pass
				30	3.85	20.714	0.0118	-2.5 to 2.5	Pass
				40	3.85	25.349	0.0145	-2.5 to 2.5	Pass
				50	3.85	24.991	0.0143	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	19.040	0.0111	-2.5 to 2.5	Pass
					3.85	38.366	0.0224	-2.5 to 2.5	Pass
					4.43	-5.608	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	6.051	0.0035	-2.5 to 2.5	Pass
				-20	3.85	11.315	0.0066	-2.5 to 2.5	Pass
				-10	3.85	16.036	0.0094	-2.5 to 2.5	Pass
				0	3.85	23.289	0.0136	-2.5 to 2.5	Pass
				10	3.85	22.402	0.0131	-2.5 to 2.5	Pass
				30	3.85	33.159	0.0194	-2.5 to 2.5	Pass
				40	3.85	33.360	0.0195	-2.5 to 2.5	Pass
				50	3.85	41.184	0.0241	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	44.804	0.0259	-2.5 to 2.5	Pass
					3.85	44.961	0.0260	-2.5 to 2.5	Pass
					4.43	13.561	0.0078	-2.5 to 2.5	Pass
				-30	3.85	11.215	0.0065	-2.5 to 2.5	Pass
				-20	3.85	15.736	0.0091	-2.5 to 2.5	Pass
				-10	3.85	14.048	0.0081	-2.5 to 2.5	Pass
				0	3.85	15.049	0.0087	-2.5 to 2.5	Pass
				10	3.85	17.037	0.0098	-2.5 to 2.5	Pass
				30	3.85	15.078	0.0087	-2.5 to 2.5	Pass
				40	3.85	18.668	0.0108	-2.5 to 2.5	Pass
				50	3.85	17.223	0.0099	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	30.398	0.0173	-2.5 to 2.5	Pass
					3.85	27.866	0.0159	-2.5 to 2.5	Pass
					4.43	29.368	0.0167	-2.5 to 2.5	Pass
				-30	3.85	32.444	0.0185	-2.5 to 2.5	Pass
				-20	3.85	29.497	0.0168	-2.5 to 2.5	Pass
				-10	3.85	31.829	0.0182	-2.5 to 2.5	Pass
				0	3.85	28.453	0.0162	-2.5 to 2.5	Pass
				10	3.85	30.155	0.0172	-2.5 to 2.5	Pass
				30	3.85	27.437	0.0156	-2.5 to 2.5	Pass
				40	3.85	26.021	0.0148	-2.5 to 2.5	Pass
				50	3.85	26.336	0.0150	-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	-28.381	-0.0166	-2.5 to 2.5	Pass
					3.85	-13.089	-0.0076	-2.5 to 2.5	Pass
					4.43	-5.279	-0.0031	-2.5 to 2.5	Pass

				-30	3.85	11.072	0.0065	-2.5 to 2.5	Pass
				-20	3.85	24.405	0.0143	-2.5 to 2.5	Pass
				-10	3.85	24.161	0.0141	-2.5 to 2.5	Pass
				0	3.85	12.431	0.0073	-2.5 to 2.5	Pass
				10	3.85	35.892	0.0210	-2.5 to 2.5	Pass
				30	3.85	3.934	0.0023	-2.5 to 2.5	Pass
				40	3.85	25.849	0.0151	-2.5 to 2.5	Pass
				50	3.85	38.352	0.0224	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	13.261	0.0077	-2.5 to 2.5	Pass
					3.85	5.808	0.0034	-2.5 to 2.5	Pass
					4.43	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	8.097	0.0047	-2.5 to 2.5	Pass
				-20	3.85	10.085	0.0058	-2.5 to 2.5	Pass
				-10	3.85	21.071	0.0122	-2.5 to 2.5	Pass
				0	3.85	26.207	0.0151	-2.5 to 2.5	Pass
				10	3.85	34.733	0.0200	-2.5 to 2.5	Pass
				30	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				50	3.85	3.533	0.0020	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	3.276	0.0019	-2.5 to 2.5	Pass
					3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
					4.43	-9.899	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-13.175	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-10.471	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-12.360	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-4.606	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-8.841	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	8.025	0.0047	-2.5 to 2.5	Pass
					3.85	20.485	0.0120	-2.5 to 2.5	Pass
					4.43	30.527	0.0178	-2.5 to 2.5	Pass
				-30	3.85	3.891	0.0023	-2.5 to 2.5	Pass
				-20	3.85	9.241	0.0054	-2.5 to 2.5	Pass
				-10	3.85	18.940	0.0111	-2.5 to 2.5	Pass
				0	3.85	21.400	0.0125	-2.5 to 2.5	Pass
				10	3.85	29.783	0.0174	-2.5 to 2.5	Pass
				30	3.85	32.830	0.0192	-2.5 to 2.5	Pass
				40	3.85	35.563	0.0208	-2.5 to 2.5	Pass
				50	3.85	7.524	0.0044	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	5.493	0.0032	-2.5 to 2.5	Pass
					3.85	14.534	0.0084	-2.5 to 2.5	Pass
					4.43	16.694	0.0096	-2.5 to 2.5	Pass
				-30	3.85	14.477	0.0084	-2.5 to 2.5	Pass
				-20	3.85	21.472	0.0124	-2.5 to 2.5	Pass
				-10	3.85	30.041	0.0173	-2.5 to 2.5	Pass
				0	3.85	39.511	0.0228	-2.5 to 2.5	Pass
				10	3.85	32.644	0.0188	-2.5 to 2.5	Pass
				30	3.85	37.251	0.0215	-2.5 to 2.5	Pass
				40	3.85	33.946	0.0196	-2.5 to 2.5	Pass
				50	3.85	33.917	0.0196	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	4.549	0.0026	-2.5 to 2.5	Pass
					3.85	2.718	0.0016	-2.5 to 2.5	Pass
					4.43	7.753	0.0044	-2.5 to 2.5	Pass
				-30	3.85	3.476	0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass

				10	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				40	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				50	3.85	-3.262	-0.0019	-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	-18.640	-0.0109	-2.5 to 2.5	Pass
					3.85	0.472	0.0003	-2.5 to 2.5	Pass
					4.43	29.497	0.0172	-2.5 to 2.5	Pass
				-30	3.85	9.441	0.0055	-2.5 to 2.5	Pass
				-20	3.85	4.621	0.0027	-2.5 to 2.5	Pass
				-10	3.85	32.916	0.0192	-2.5 to 2.5	Pass
				0	3.85	20.885	0.0122	-2.5 to 2.5	Pass
				10	3.85	27.123	0.0158	-2.5 to 2.5	Pass
				30	3.85	24.447	0.0143	-2.5 to 2.5	Pass
				40	3.85	40.841	0.0238	-2.5 to 2.5	Pass
				50	3.85	18.868	0.0110	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	16.093	0.0093	-2.5 to 2.5	Pass
					3.85	7.896	0.0046	-2.5 to 2.5	Pass
					4.43	12.059	0.0070	-2.5 to 2.5	Pass
				-30	3.85	24.590	0.0142	-2.5 to 2.5	Pass
				-20	3.85	33.703	0.0195	-2.5 to 2.5	Pass
				-10	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				10	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				30	3.85	8.211	0.0047	-2.5 to 2.5	Pass
				40	3.85	11.172	0.0064	-2.5 to 2.5	Pass
				50	3.85	14.591	0.0084	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	8.354	0.0048	-2.5 to 2.5	Pass
					3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	4.077	0.0023	-2.5 to 2.5	Pass
				0	3.85	5.207	0.0030	-2.5 to 2.5	Pass
				10	3.85	8.597	0.0049	-2.5 to 2.5	Pass
				30	3.85	8.984	0.0051	-2.5 to 2.5	Pass
				40	3.85	8.554	0.0049	-2.5 to 2.5	Pass
				50	3.85	9.198	0.0053	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	34.575	0.0202	-2.5 to 2.5	Pass
					3.85	46.077	0.0269	-2.5 to 2.5	Pass
					4.43	1.073	0.0006	-2.5 to 2.5	Pass
				-30	3.85	5.250	0.0031	-2.5 to 2.5	Pass
				-20	3.85	9.069	0.0053	-2.5 to 2.5	Pass
				-10	3.85	13.103	0.0076	-2.5 to 2.5	Pass
				0	3.85	16.065	0.0094	-2.5 to 2.5	Pass
				10	3.85	21.501	0.0125	-2.5 to 2.5	Pass
				30	3.85	26.608	0.0155	-2.5 to 2.5	Pass
				40	3.85	30.398	0.0177	-2.5 to 2.5	Pass
				50	3.85	33.445	0.0195	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	18.067	0.0104	-2.5 to 2.5	Pass
					3.85	20.614	0.0119	-2.5 to 2.5	Pass
					4.43	19.698	0.0114	-2.5 to 2.5	Pass

				-30	3.85	21.844	0.0126	-2.5 to 2.5	Pass
				-20	3.85	20.857	0.0120	-2.5 to 2.5	Pass
				-10	3.85	19.641	0.0113	-2.5 to 2.5	Pass
				0	3.85	19.927	0.0115	-2.5 to 2.5	Pass
				10	3.85	20.142	0.0116	-2.5 to 2.5	Pass
				30	3.85	16.637	0.0096	-2.5 to 2.5	Pass
				40	3.85	17.653	0.0102	-2.5 to 2.5	Pass
				50	3.85	17.867	0.0103	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	10.886	0.0062	-2.5 to 2.5	Pass
					3.85	12.875	0.0074	-2.5 to 2.5	Pass
					4.43	10.157	0.0058	-2.5 to 2.5	Pass
				-30	3.85	7.596	0.0043	-2.5 to 2.5	Pass
				-20	3.85	5.007	0.0029	-2.5 to 2.5	Pass
				-10	3.85	6.881	0.0039	-2.5 to 2.5	Pass
				0	3.85	5.751	0.0033	-2.5 to 2.5	Pass
				10	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				50	3.85	4.678	0.0027	-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	-8.984	-0.0052	-2.5 to 2.5	Pass
					3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
					4.43	25.134	0.0146	-2.5 to 2.5	Pass
				-30	3.85	20.828	0.0121	-2.5 to 2.5	Pass
				-20	3.85	25.191	0.0147	-2.5 to 2.5	Pass
				-10	3.85	17.195	0.0100	-2.5 to 2.5	Pass
				0	3.85	38.481	0.0224	-2.5 to 2.5	Pass
				10	3.85	24.447	0.0142	-2.5 to 2.5	Pass
				30	3.85	45.719	0.0266	-2.5 to 2.5	Pass
				40	3.85	22.860	0.0133	-2.5 to 2.5	Pass
				50	3.85	34.904	0.0203	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-10.214	-0.0059	-2.5 to 2.5	Pass
					3.85	-20.628	-0.0119	-2.5 to 2.5	Pass
					4.43	-16.093	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-8.211	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-10	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				0	3.85	5.722	0.0033	-2.5 to 2.5	Pass
				10	3.85	7.195	0.0042	-2.5 to 2.5	Pass
				30	3.85	8.025	0.0046	-2.5 to 2.5	Pass
				40	3.85	9.656	0.0056	-2.5 to 2.5	Pass
				50	3.85	11.144	0.0064	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	2.432	0.0014	-2.5 to 2.5	Pass
					3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
					4.43	-8.011	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				30	3.85	3.390	0.0019	-2.5 to 2.5	Pass
				40	3.85	2.489	0.0014	-2.5 to 2.5	Pass

				50	3.85	0.372	0.0002	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	9.928	0.0058	-2.5 to 2.5	Pass
					3.85	19.155	0.0112	-2.5 to 2.5	Pass
					4.43	26.436	0.0154	-2.5 to 2.5	Pass
				-30	3.85	31.714	0.0185	-2.5 to 2.5	Pass
				-20	3.85	33.660	0.0196	-2.5 to 2.5	Pass
				-10	3.85	37.007	0.0215	-2.5 to 2.5	Pass
				0	3.85	38.352	0.0223	-2.5 to 2.5	Pass
				10	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				40	3.85	7.153	0.0042	-2.5 to 2.5	Pass
				50	3.85	5.093	0.0030	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	14.434	0.0083	-2.5 to 2.5	Pass
					3.85	13.275	0.0077	-2.5 to 2.5	Pass
					4.43	14.935	0.0086	-2.5 to 2.5	Pass
				-30	3.85	13.490	0.0078	-2.5 to 2.5	Pass
				-20	3.85	13.947	0.0081	-2.5 to 2.5	Pass
				-10	3.85	12.360	0.0071	-2.5 to 2.5	Pass
				0	3.85	9.685	0.0056	-2.5 to 2.5	Pass
				10	3.85	9.770	0.0056	-2.5 to 2.5	Pass
				30	3.85	7.682	0.0044	-2.5 to 2.5	Pass
				40	3.85	14.148	0.0082	-2.5 to 2.5	Pass
				50	3.85	13.375	0.0077	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	0.272	0.0002	-2.5 to 2.5	Pass
					3.85	1.173	0.0007	-2.5 to 2.5	Pass
					4.43	0.744	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-10.099	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-7.954	-0.0046	-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	-30.055	-0.0175	-2.5 to 2.5	Pass
					3.85	4.292	0.0025	-2.5 to 2.5	Pass
					4.43	11.716	0.0068	-2.5 to 2.5	Pass
				-30	3.85	24.104	0.0140	-2.5 to 2.5	Pass
				-20	3.85	9.799	0.0057	-2.5 to 2.5	Pass
				-10	3.85	16.150	0.0094	-2.5 to 2.5	Pass
				0	3.85	24.991	0.0145	-2.5 to 2.5	Pass
				10	3.85	23.689	0.0138	-2.5 to 2.5	Pass
				30	3.85	23.518	0.0137	-2.5 to 2.5	Pass
				40	3.85	35.033	0.0204	-2.5 to 2.5	Pass
				50	3.85	22.573	0.0131	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-20.885	-0.0121	-2.5 to 2.5	Pass
					3.85	-27.838	-0.0161	-2.5 to 2.5	Pass
					4.43	-20.270	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-18.253	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass

				0	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				40	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0002	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.832	-0.0016	-2.5 to 2.5	Pass
					3.85	-9.012	-0.0052	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	16.823	0.0098	-2.5 to 2.5	Pass
					3.85	17.896	0.0104	-2.5 to 2.5	Pass
					4.43	19.856	0.0115	-2.5 to 2.5	Pass
				-30	3.85	21.858	0.0127	-2.5 to 2.5	Pass
				-20	3.85	23.532	0.0137	-2.5 to 2.5	Pass
				-10	3.85	22.645	0.0132	-2.5 to 2.5	Pass
				0	3.85	21.186	0.0123	-2.5 to 2.5	Pass
				10	3.85	27.809	0.0162	-2.5 to 2.5	Pass
				30	3.85	28.081	0.0163	-2.5 to 2.5	Pass
				40	3.85	32.072	0.0186	-2.5 to 2.5	Pass
				50	3.85	33.760	0.0196	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.85	1.631	0.0009	-2.5 to 2.5	Pass
					4.43	-5.493	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.744	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-7.195	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-8.211	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-9.198	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-9.112	-0.0052	-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

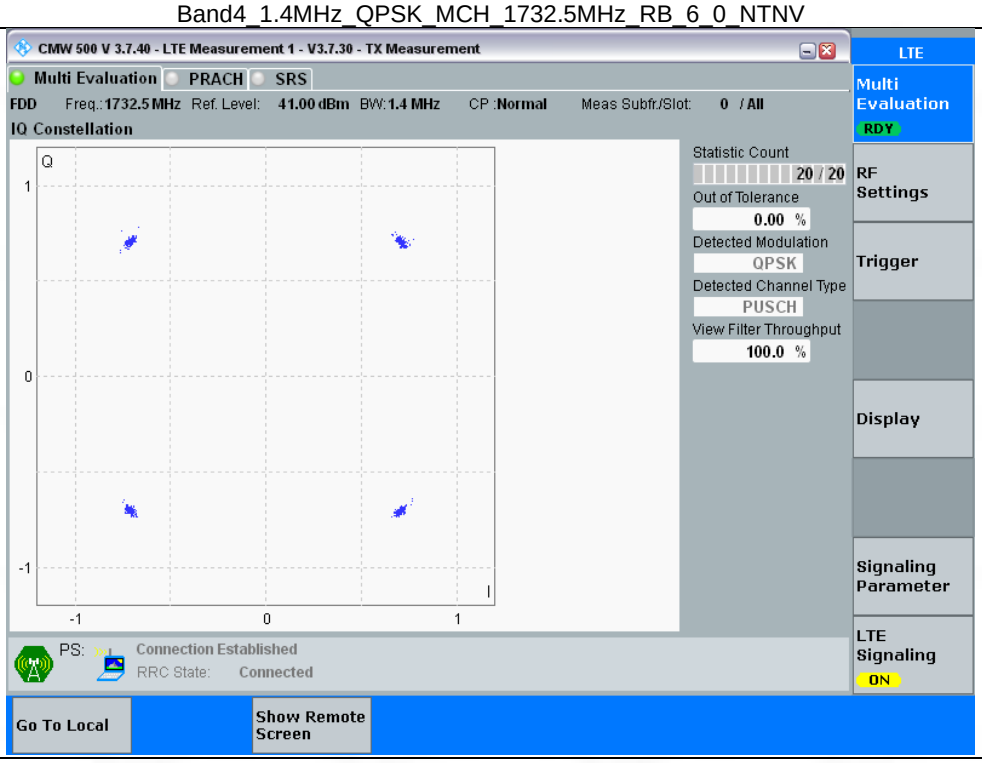
3.1.6 B4_20MHz

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

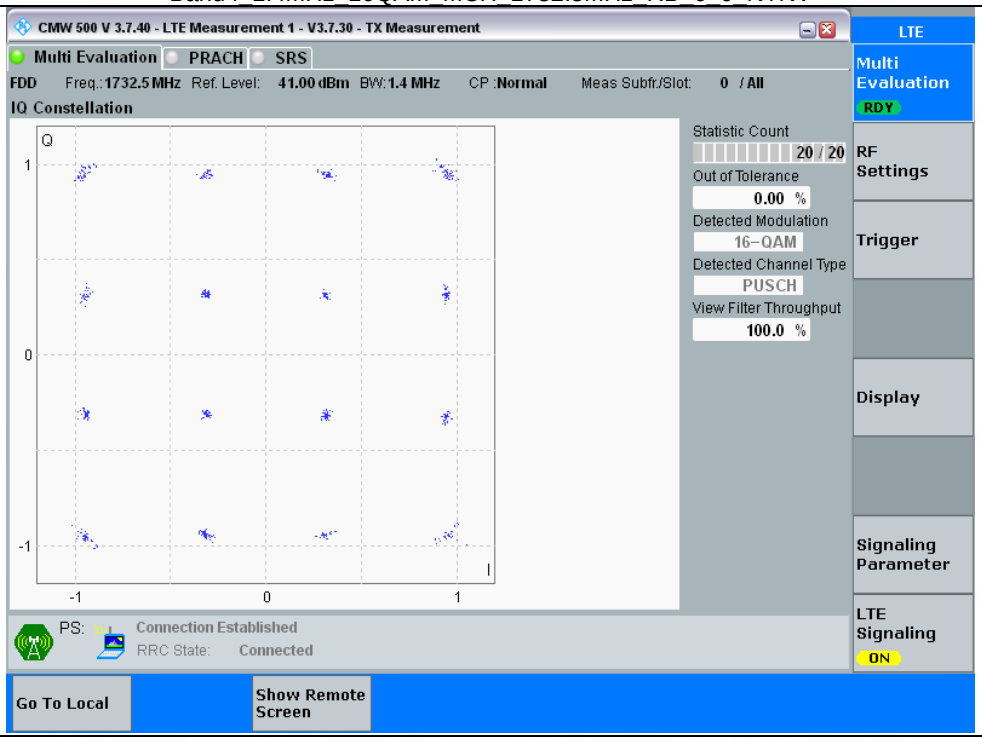
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

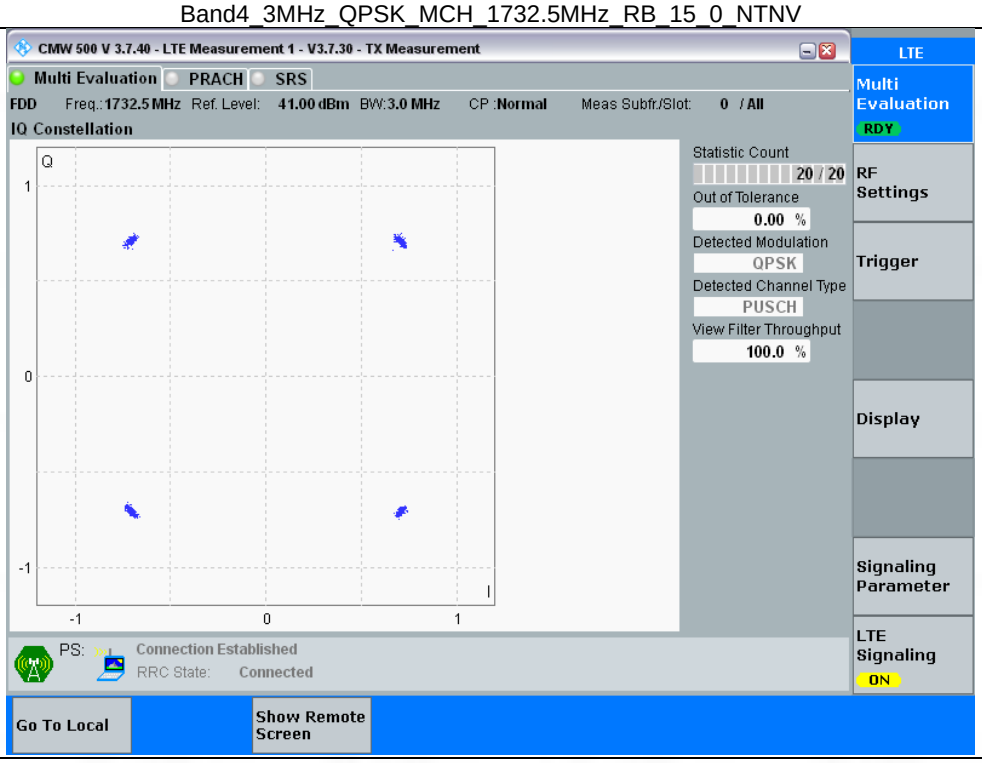


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

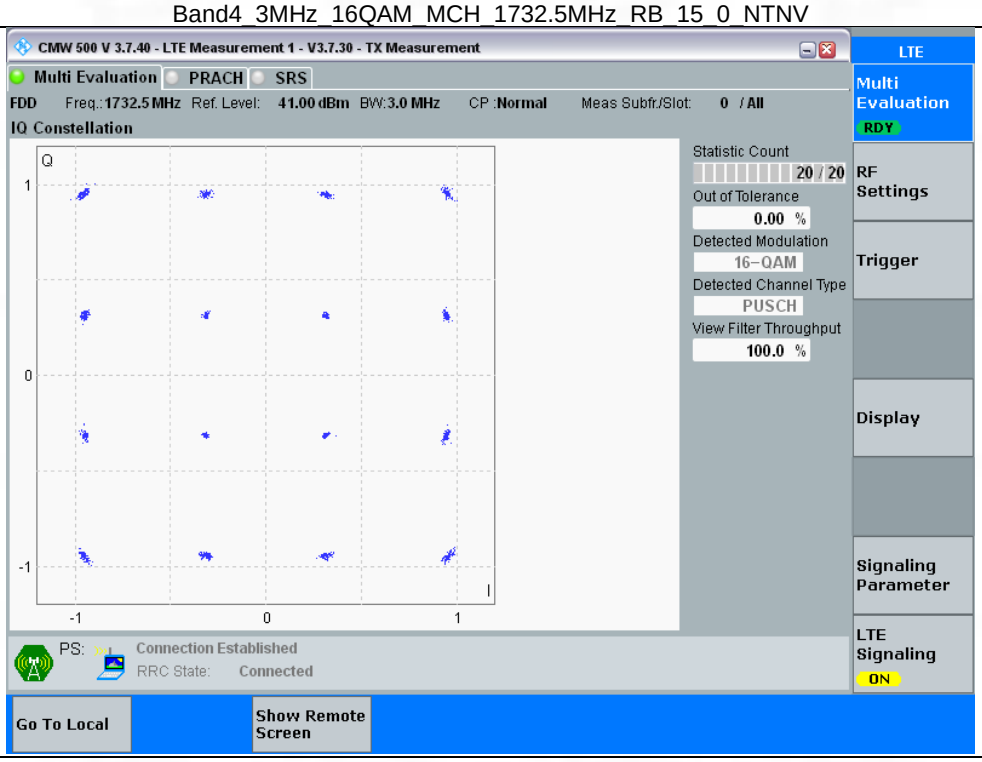


3.2.2 B4_3MHz

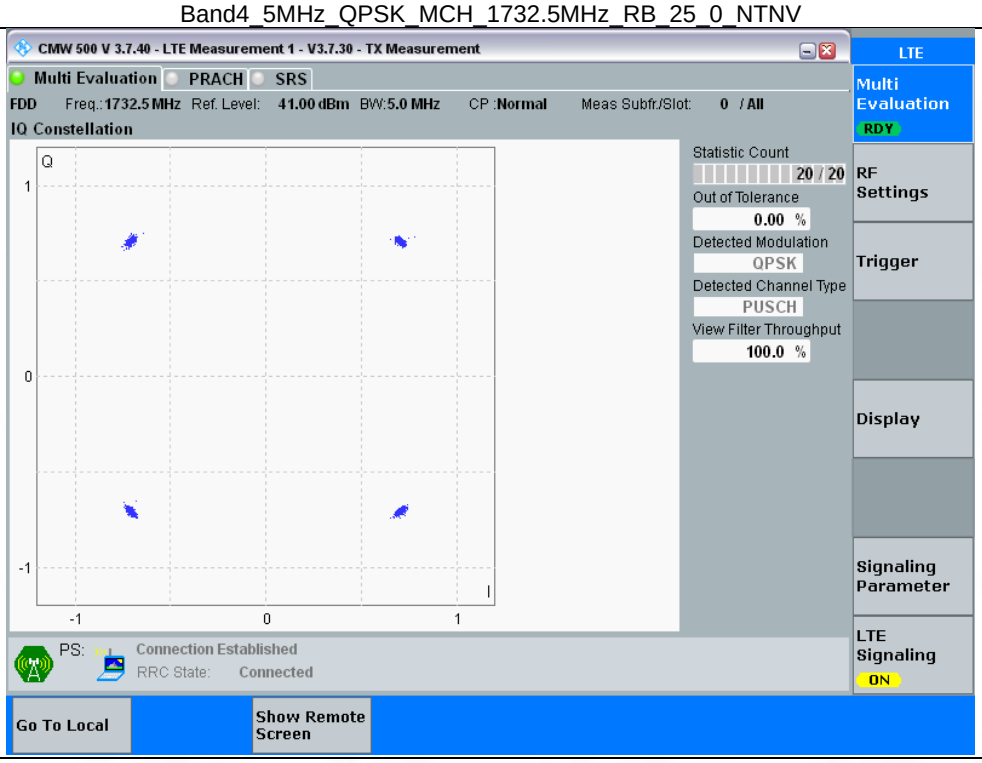
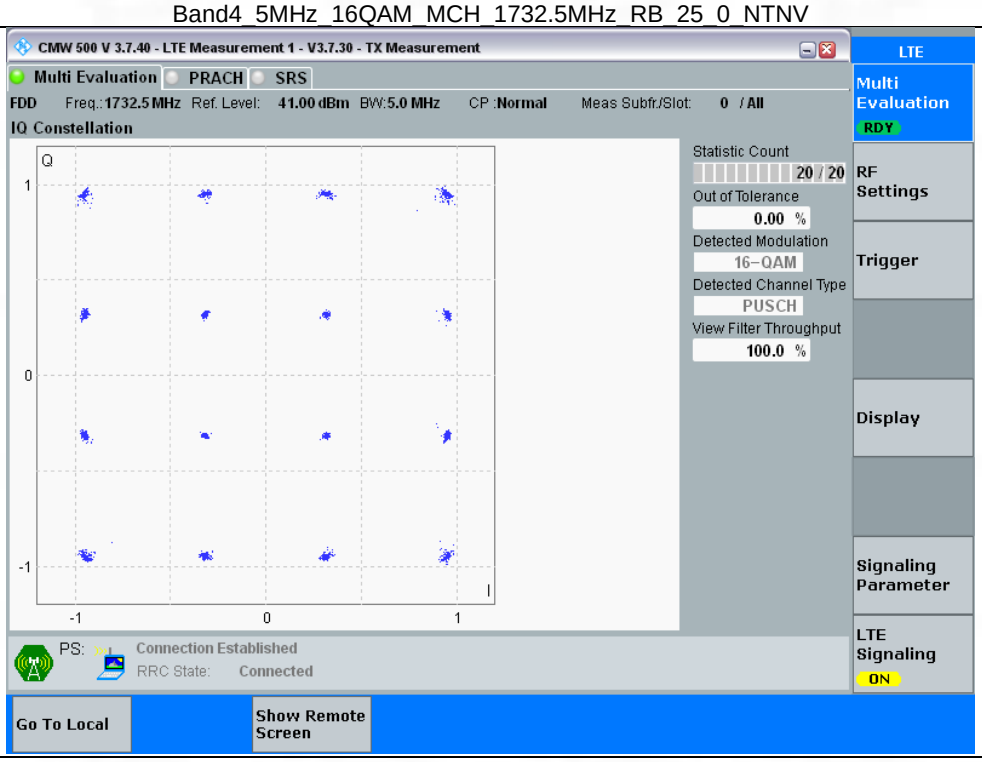
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



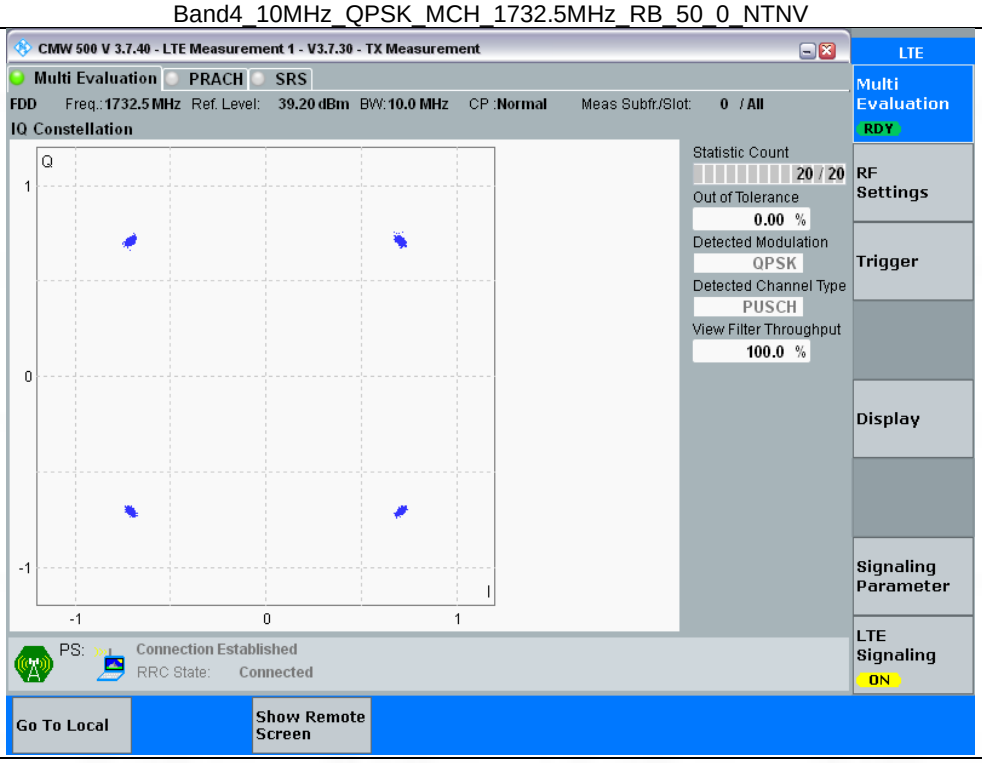
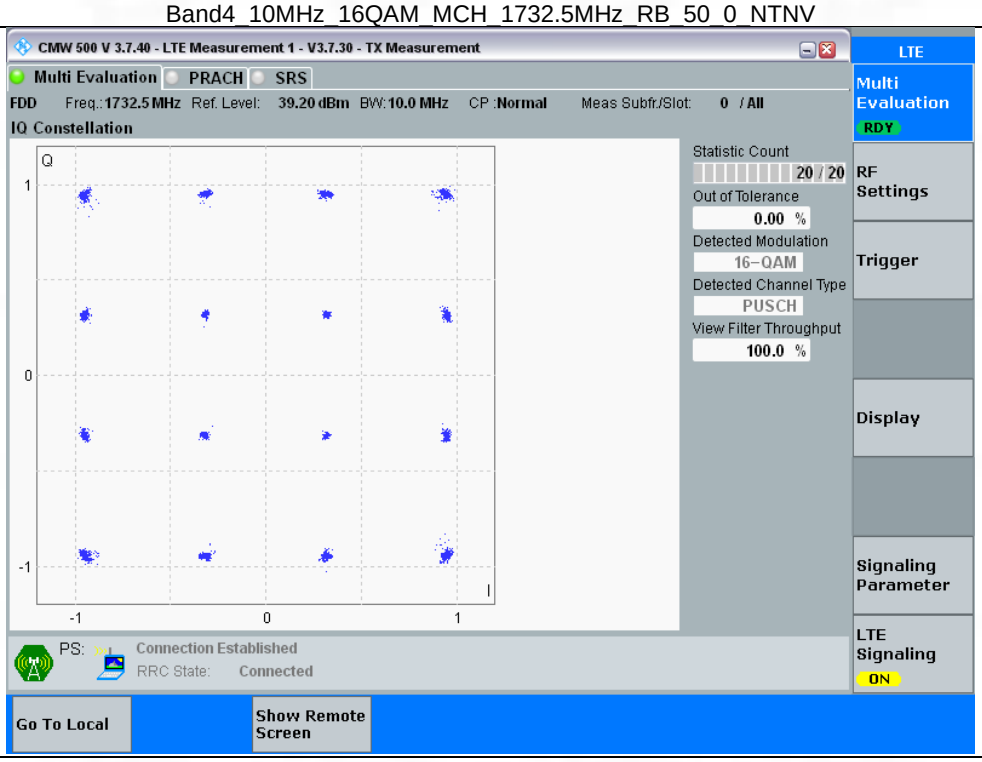
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



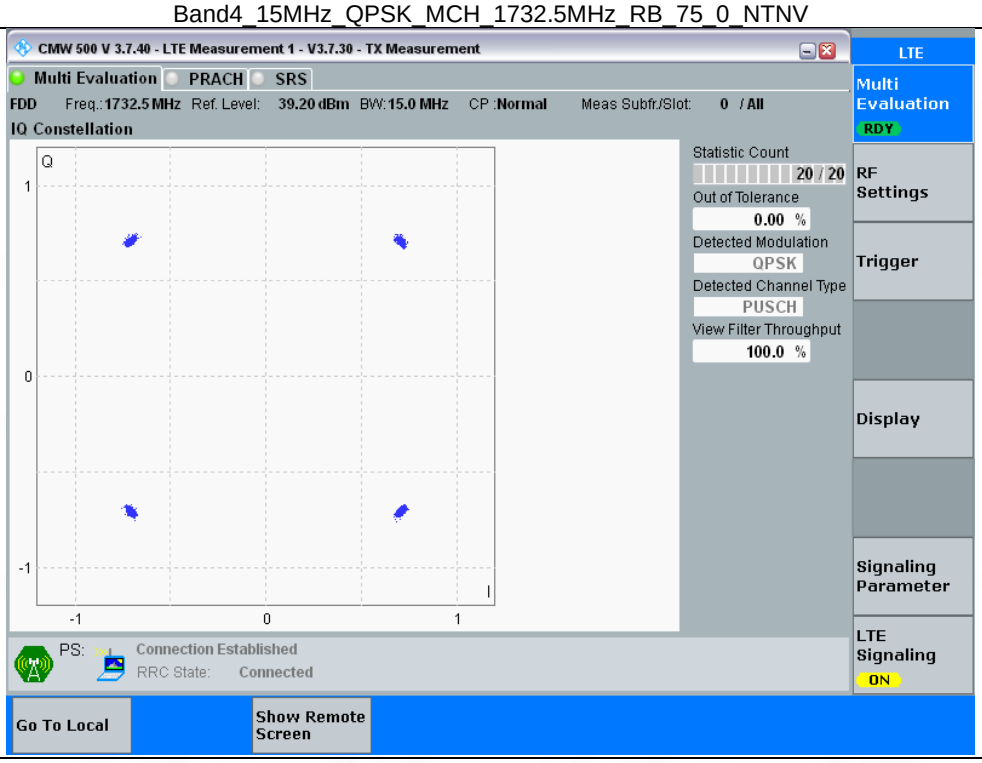
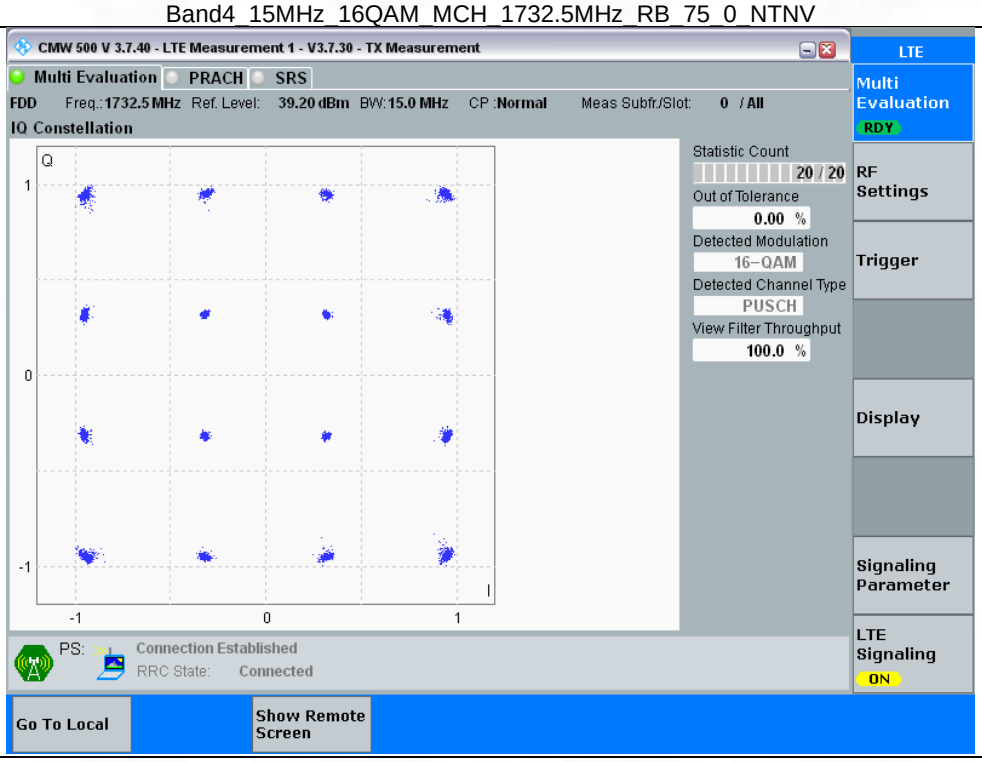
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


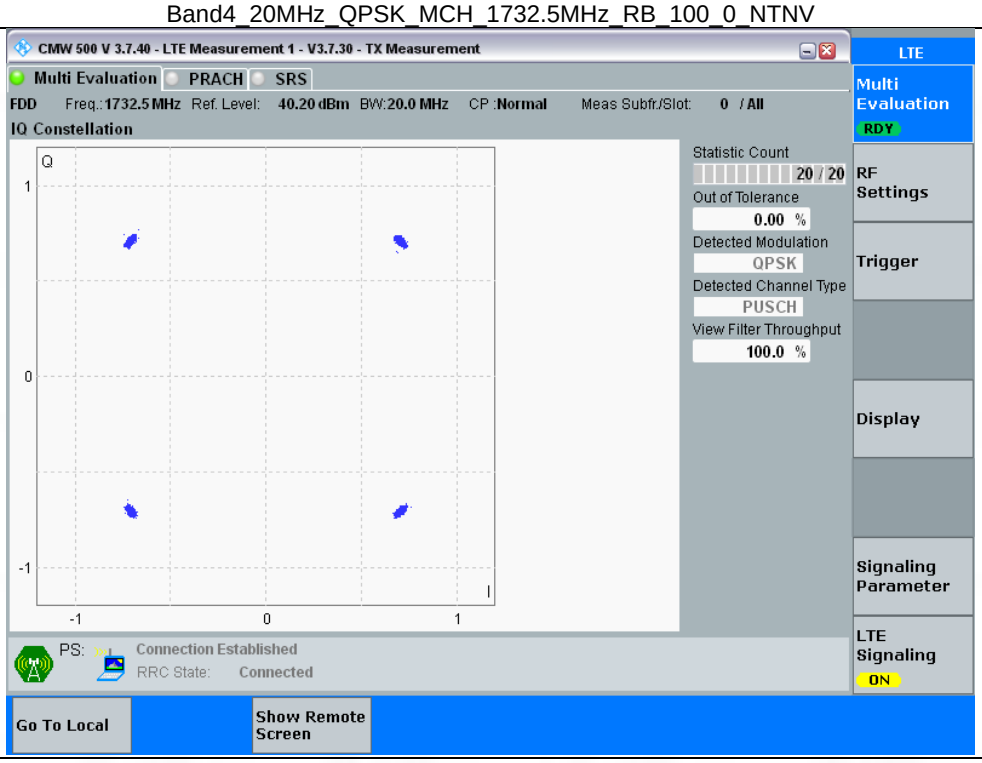
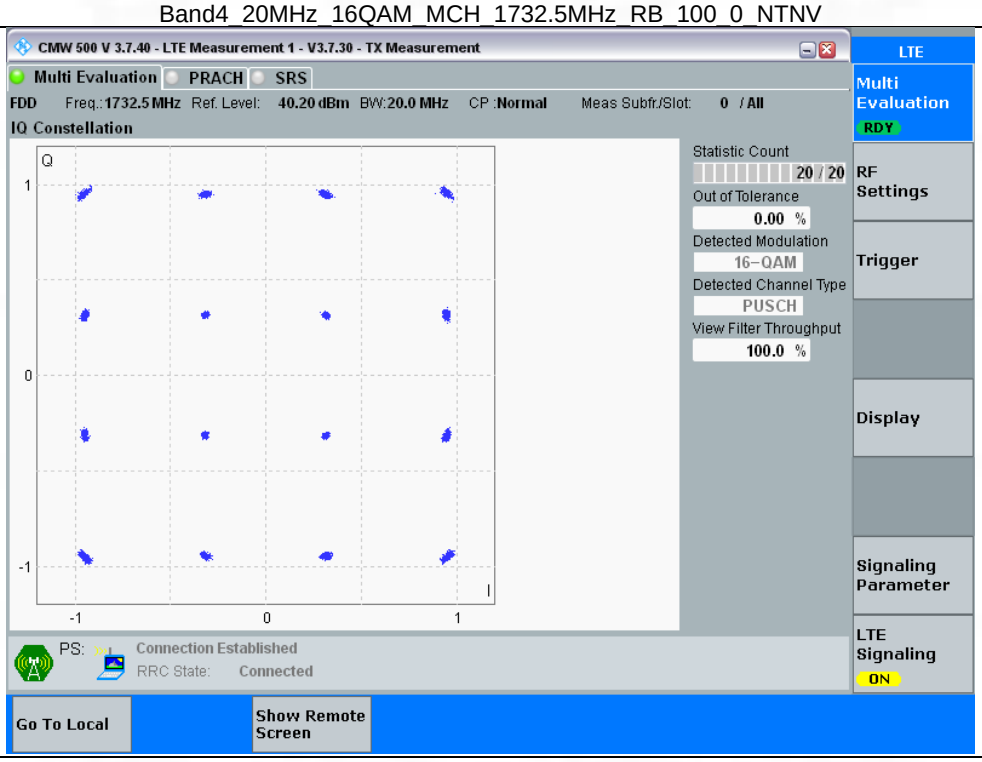
3.2.4 B4_10MHz

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	1.119	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.114	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.102	/	Pass
		1754.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.757	/	Pass
		1732.5	15	0	2.748	/	Pass
		1753.5	15	0	2.759	/	Pass
	16QAM	1711.5	15	0	2.757	/	Pass
		1732.5	15	0	2.747	/	Pass
		1753.5	15	0	2.769	/	Pass
5	QPSK	1712.5	25	0	4.539	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.553	/	Pass
	16QAM	1712.5	25	0	4.575	/	Pass
		1732.5	25	0	4.565	/	Pass
		1752.5	25	0	4.538	/	Pass
10	QPSK	1715	50	0	9.076	/	Pass
		1732.5	50	0	9.036	/	Pass
		1750	50	0	9.066	/	Pass
	16QAM	1715	50	0	9.058	/	Pass
		1732.5	50	0	9.056	/	Pass
		1750	50	0	9.050	/	Pass
15	QPSK	1717.5	75	0	13.596	/	Pass
		1732.5	75	0	13.535	/	Pass
		1747.5	75	0	13.590	/	Pass
	16QAM	1717.5	75	0	13.619	/	Pass
		1732.5	75	0	13.573	/	Pass
		1747.5	75	0	13.589	/	Pass
20	QPSK	1720	100	0	18.190	/	Pass
		1732.5	100	0	18.116	/	Pass
		1745	100	0	18.162	/	Pass
	16QAM	1720	100	0	18.164	/	Pass
		1732.5	100	0	18.120	/	Pass
		1745	100	0	18.179	/	Pass

4.1.2 Band4_XDB

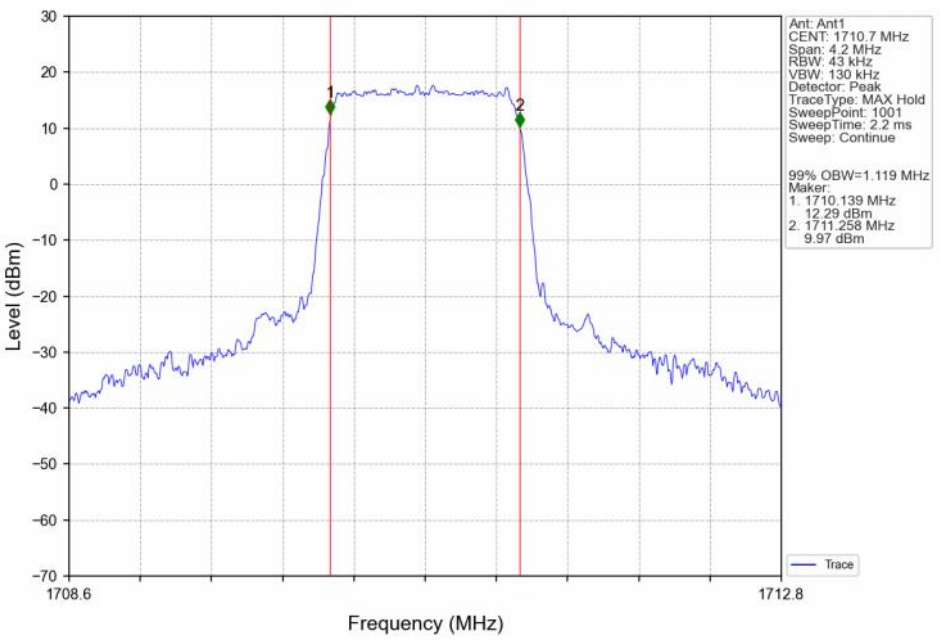
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.268	/	Pass
		1732.5	6	0	1.265	/	Pass
		1754.3	6	0	1.271	/	Pass

	16QAM	1710.7	6	0	1.282	/	Pass
		1732.5	6	0	1.266	/	Pass
		1754.3	6	0	1.276	/	Pass
3	QPSK	1711.5	15	0	3.077	/	Pass
		1732.5	15	0	3.090	/	Pass
		1753.5	15	0	3.094	/	Pass
	16QAM	1711.5	15	0	3.118	/	Pass
		1732.5	15	0	3.085	/	Pass
		1753.5	15	0	3.113	/	Pass
5	QPSK	1712.5	25	0	5.029	/	Pass
		1732.5	25	0	5.075	/	Pass
		1752.5	25	0	5.035	/	Pass
	16QAM	1712.5	25	0	5.068	/	Pass
		1732.5	25	0	5.051	/	Pass
		1752.5	25	0	5.034	/	Pass
10	QPSK	1715	50	0	10.066	/	Pass
		1732.5	50	0	10.061	/	Pass
		1750	50	0	10.023	/	Pass
	16QAM	1715	50	0	10.042	/	Pass
		1732.5	50	0	10.027	/	Pass
		1750	50	0	10.084	/	Pass
15	QPSK	1717.5	75	0	15.281	/	Pass
		1732.5	75	0	15.151	/	Pass
		1747.5	75	0	15.167	/	Pass
	16QAM	1717.5	75	0	15.056	/	Pass
		1732.5	75	0	15.286	/	Pass
		1747.5	75	0	15.230	/	Pass
20	QPSK	1720	100	0	19.969	/	Pass
		1732.5	100	0	19.901	/	Pass
		1745	100	0	20.047	/	Pass
	16QAM	1720	100	0	19.987	/	Pass
		1732.5	100	0	20.016	/	Pass
		1745	100	0	20.040	/	Pass

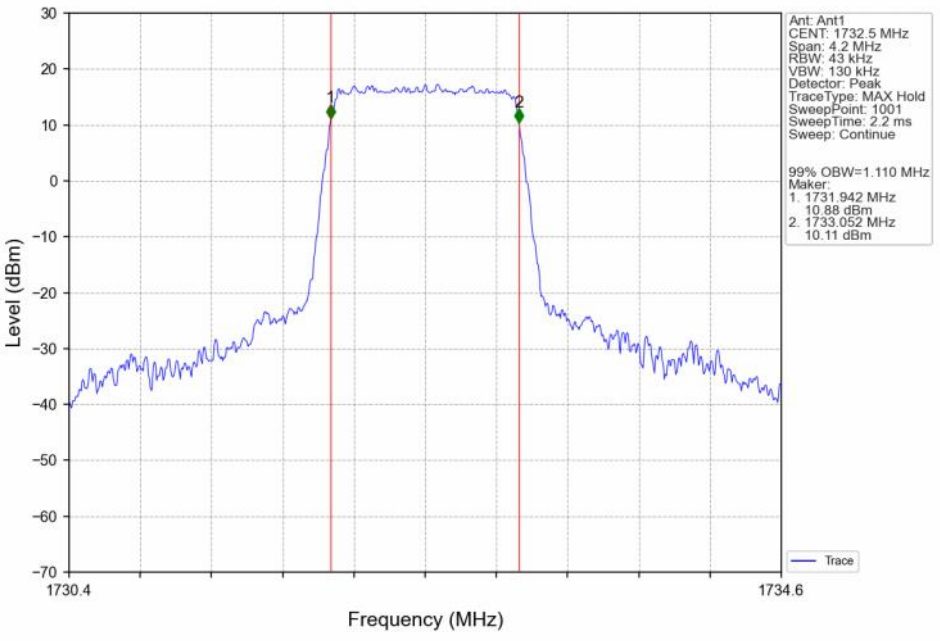
4.2 Test Graph

4.2.1 Band4_OBW

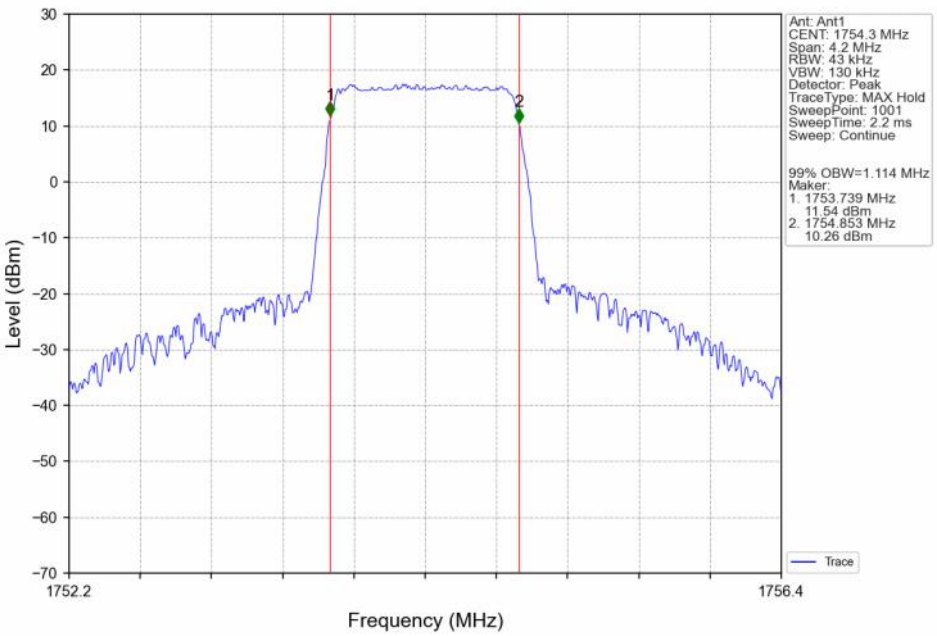
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



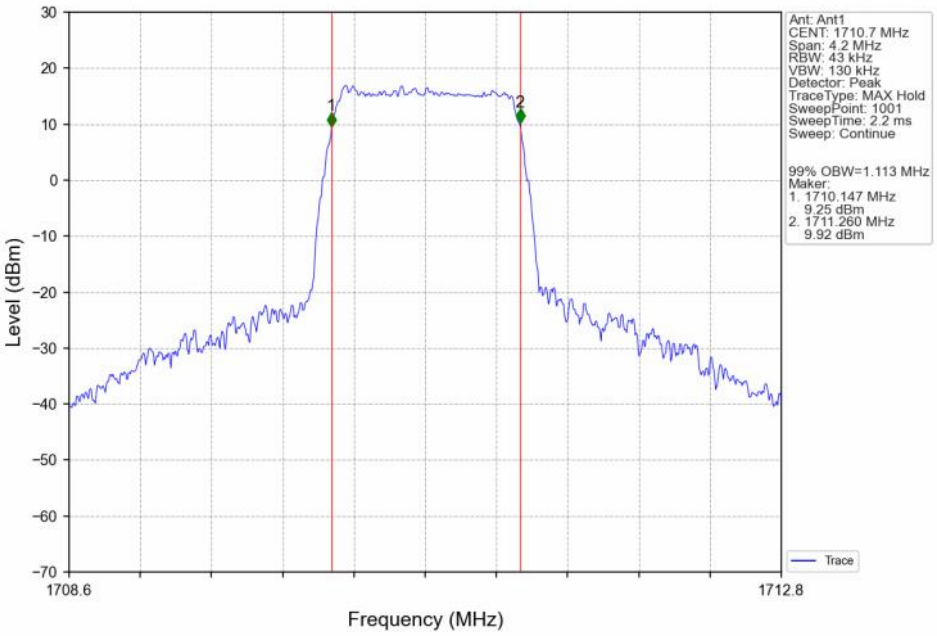
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



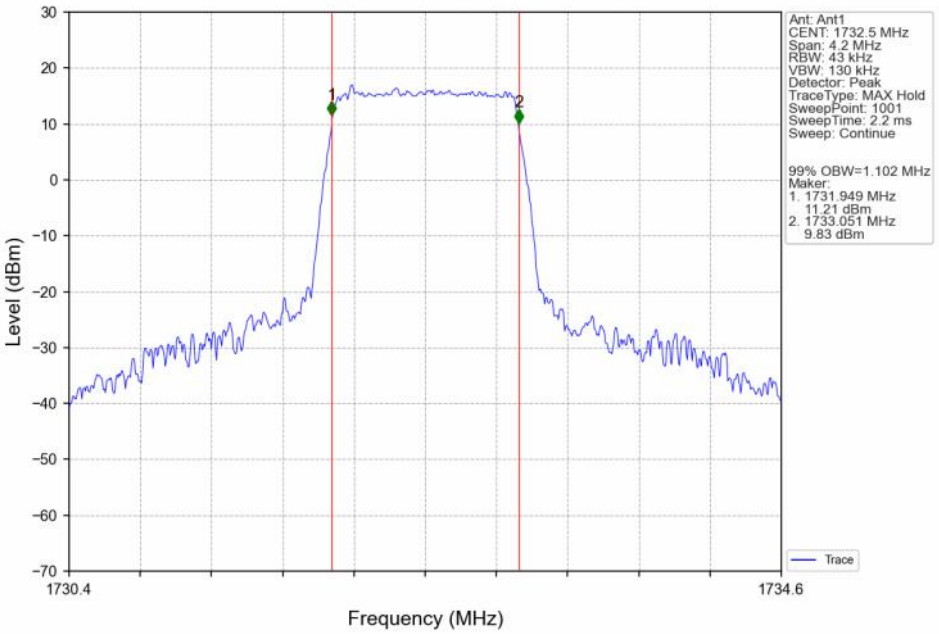
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



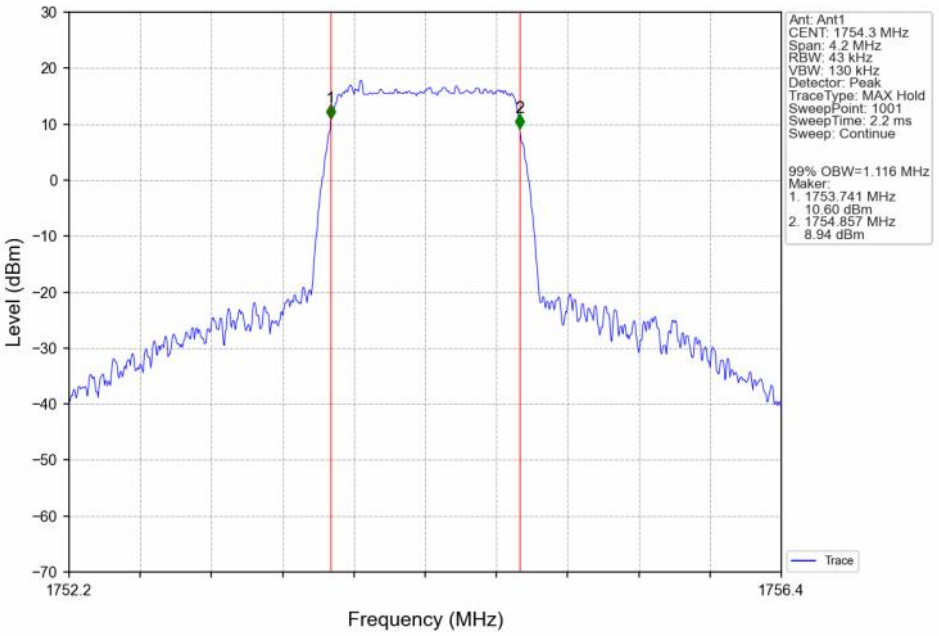
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



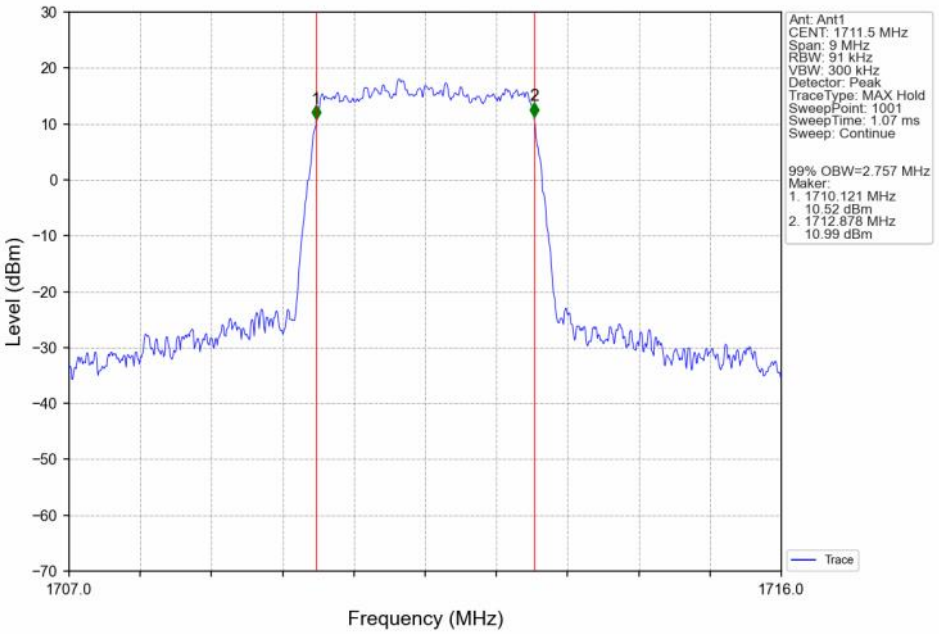
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



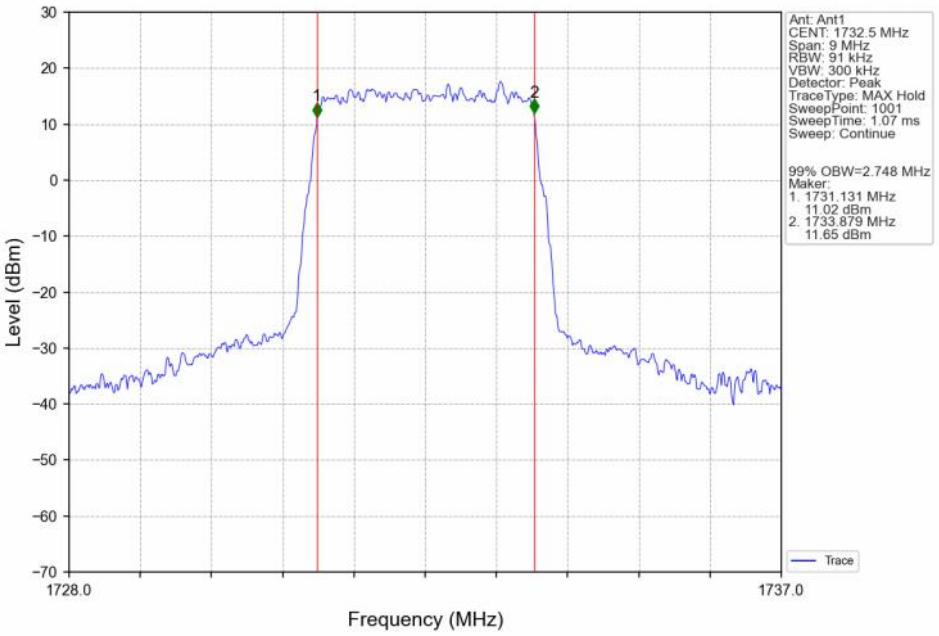
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



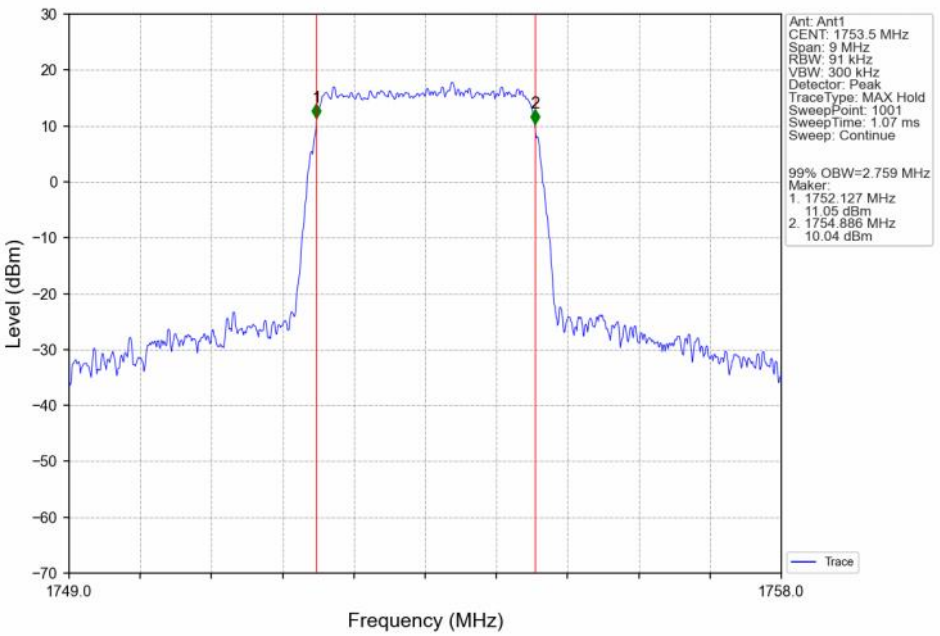
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



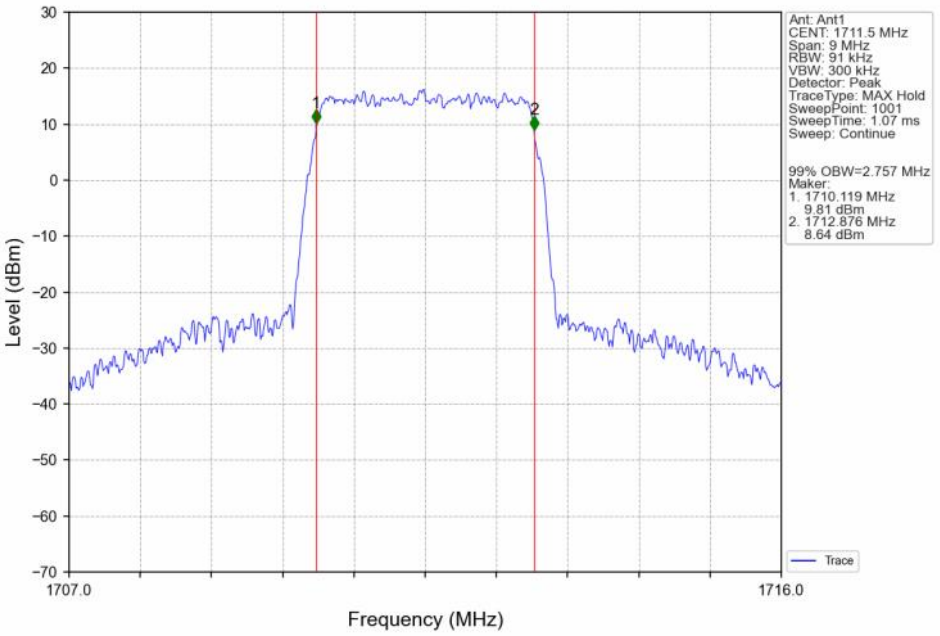
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



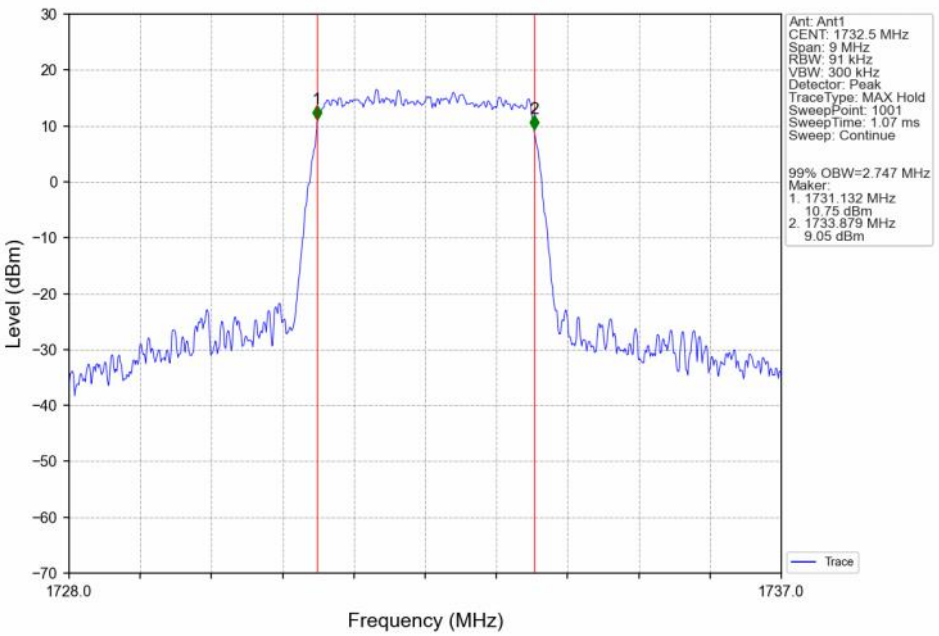
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



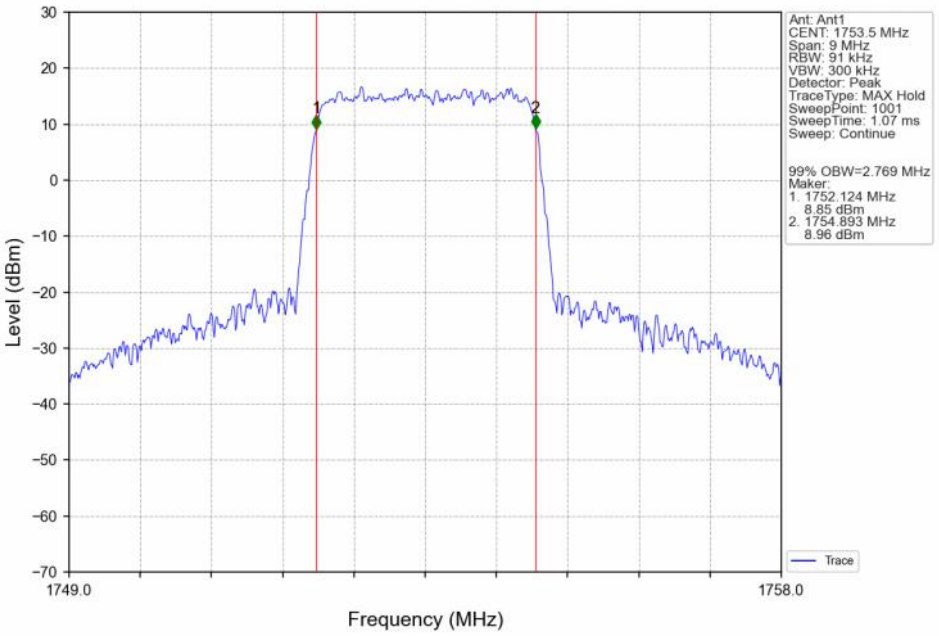
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



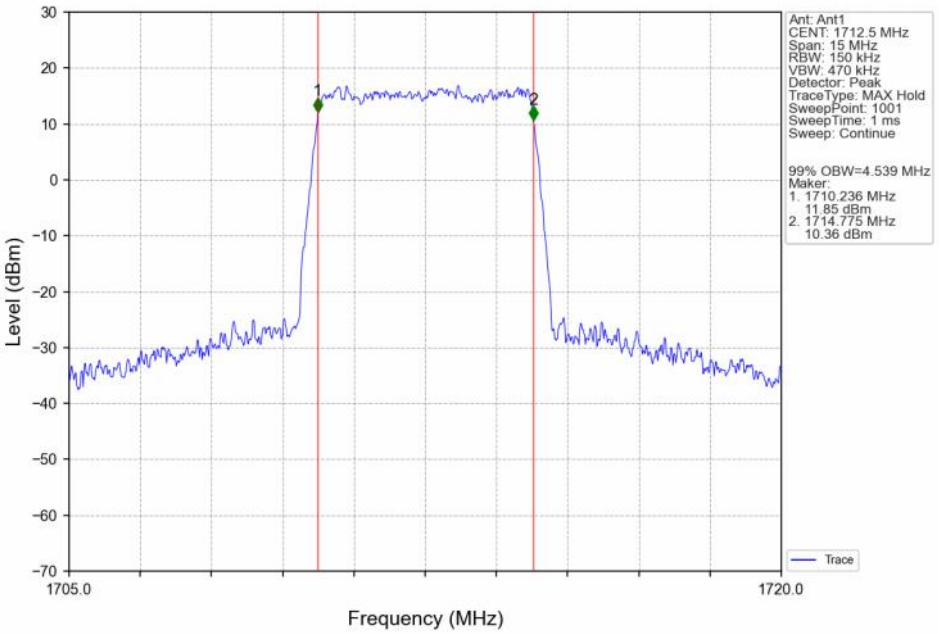
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



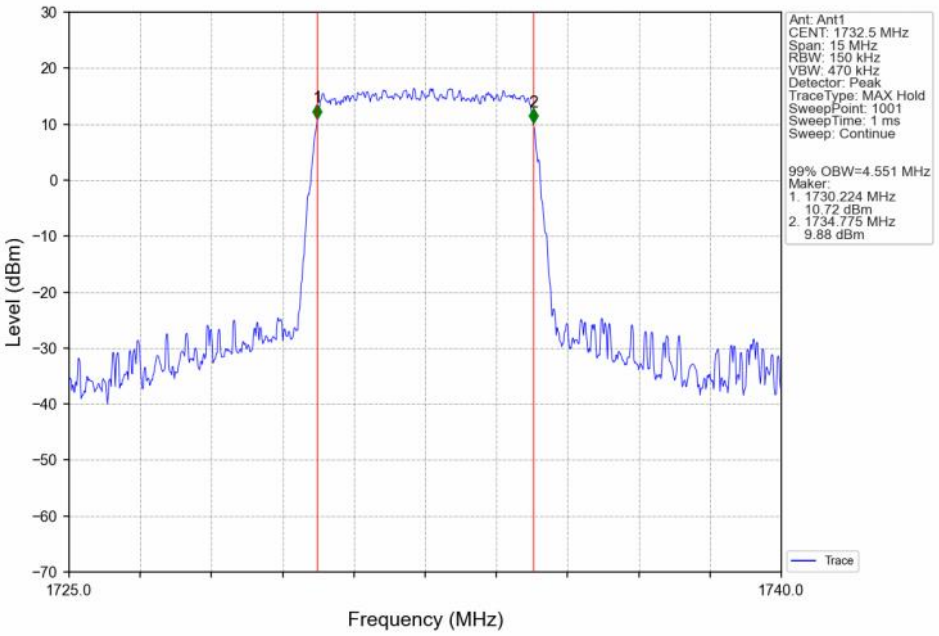
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



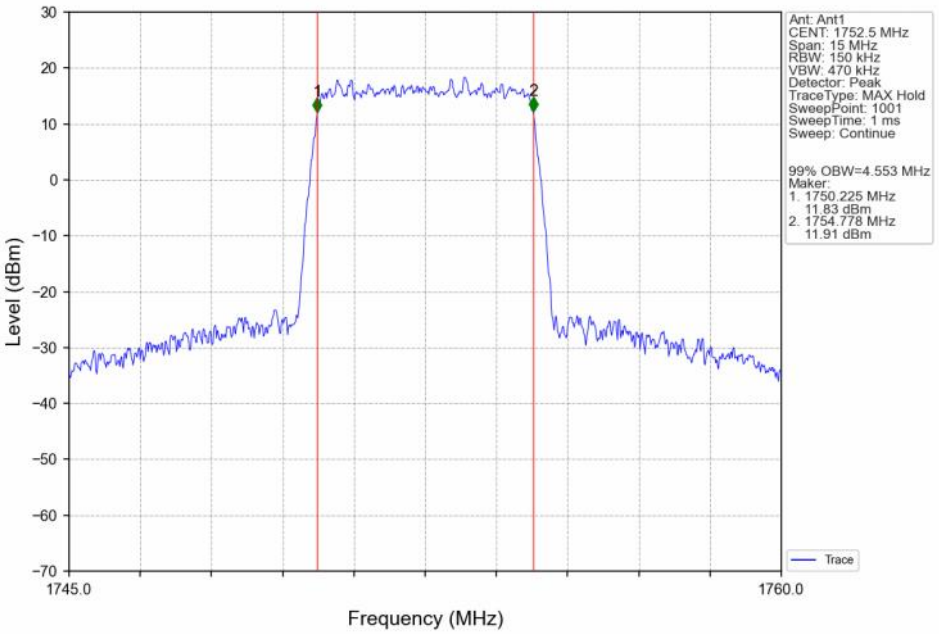
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



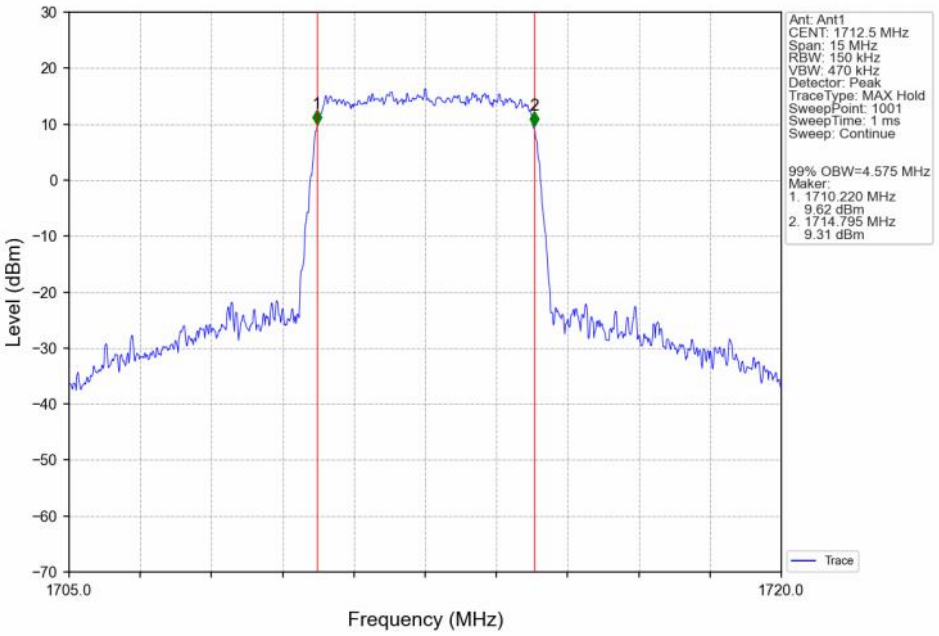
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



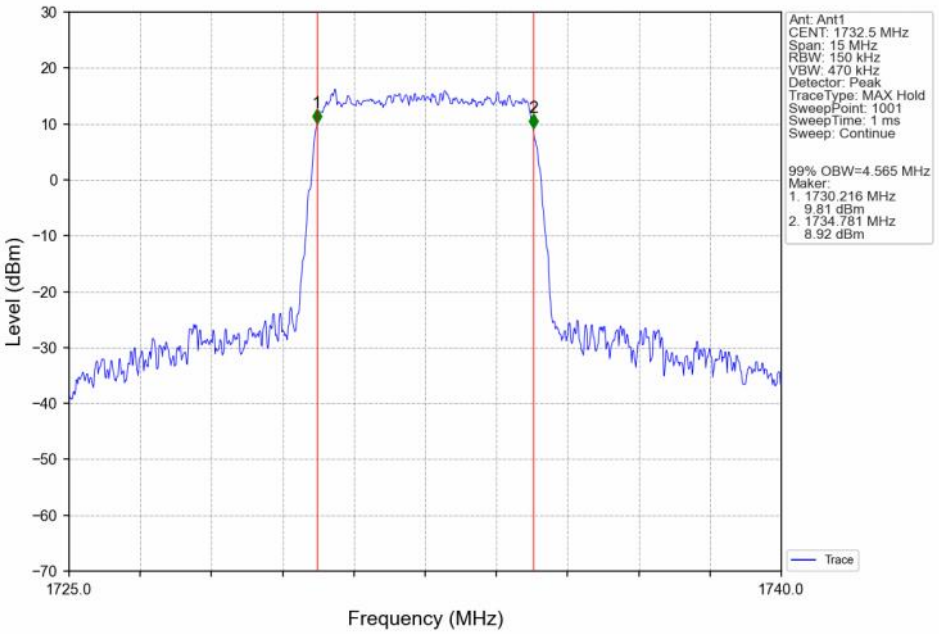
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



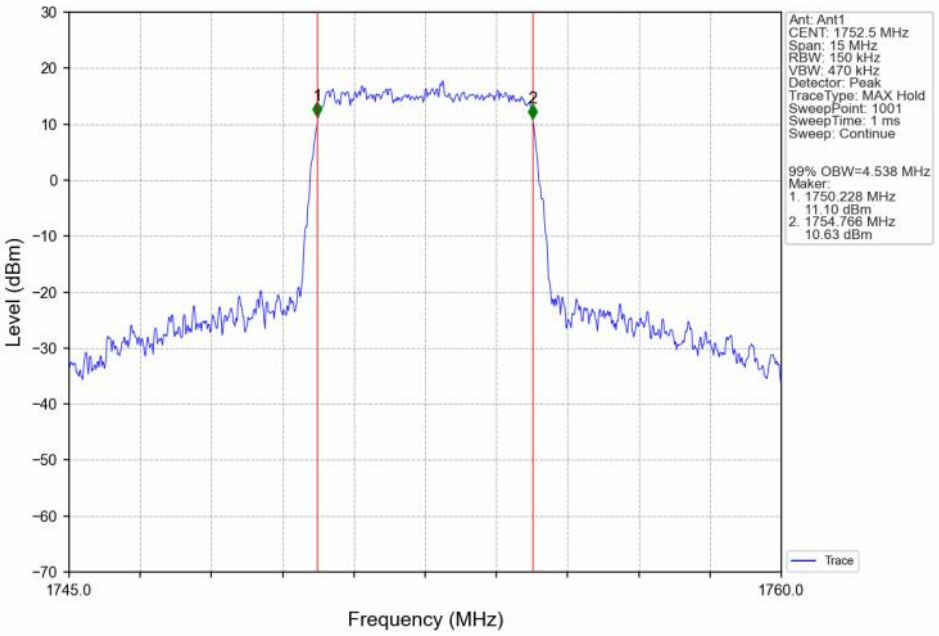
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



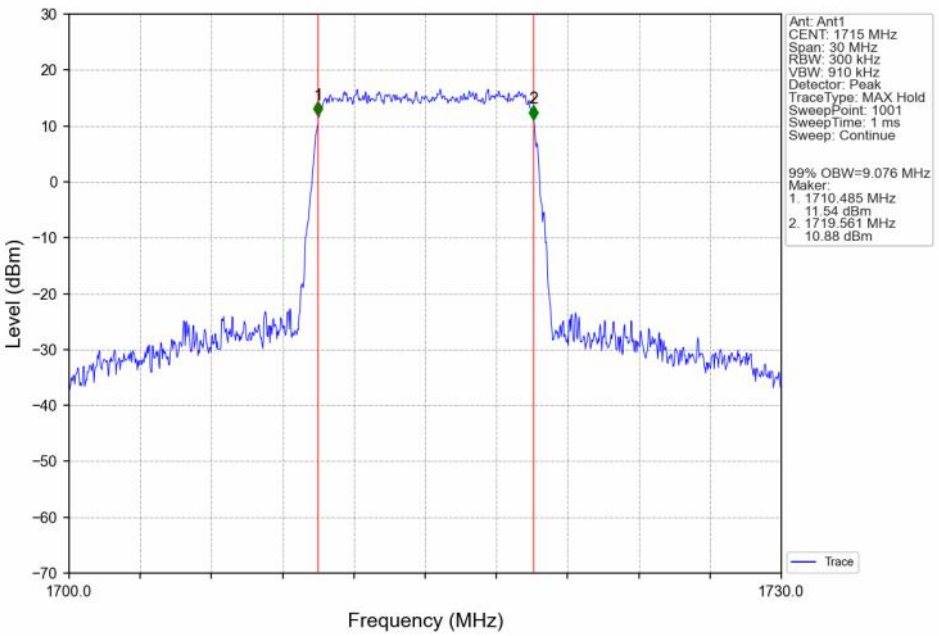
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



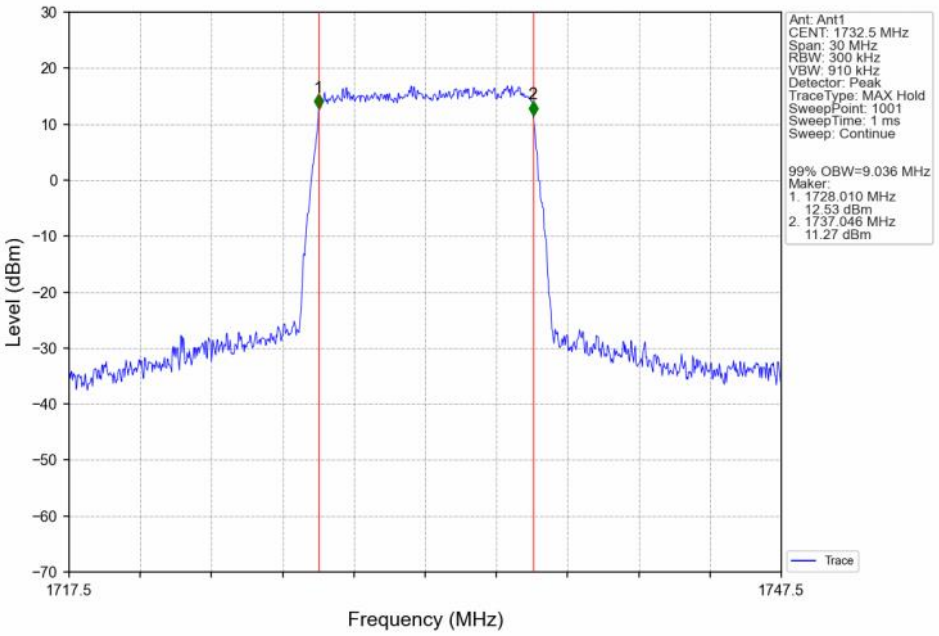
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



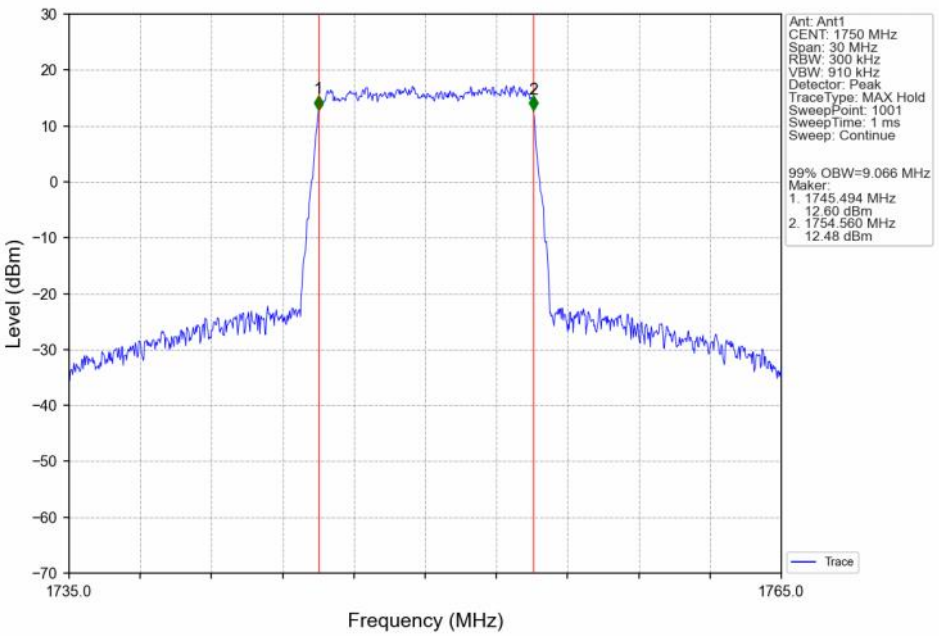
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



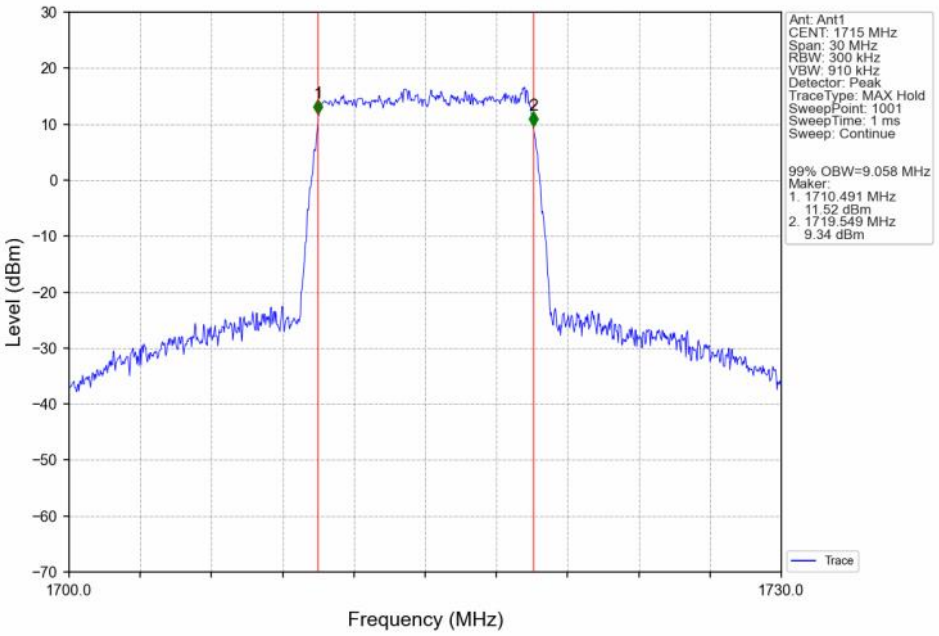
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



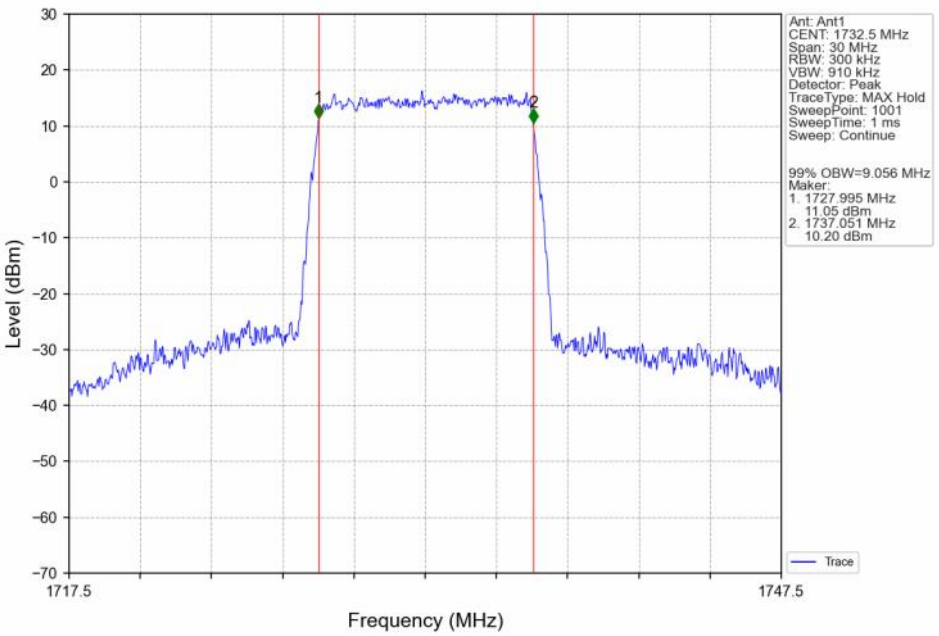
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



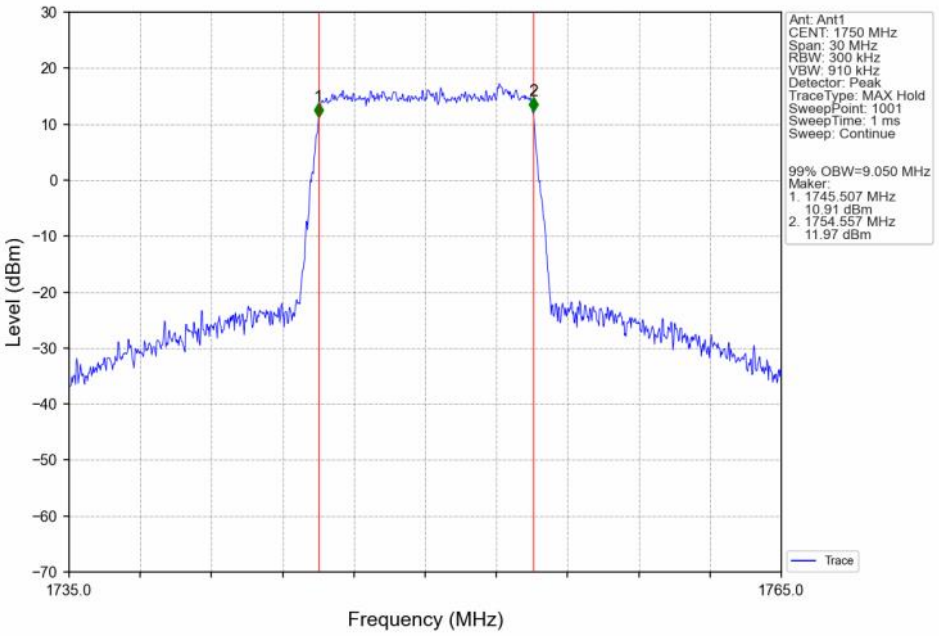
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



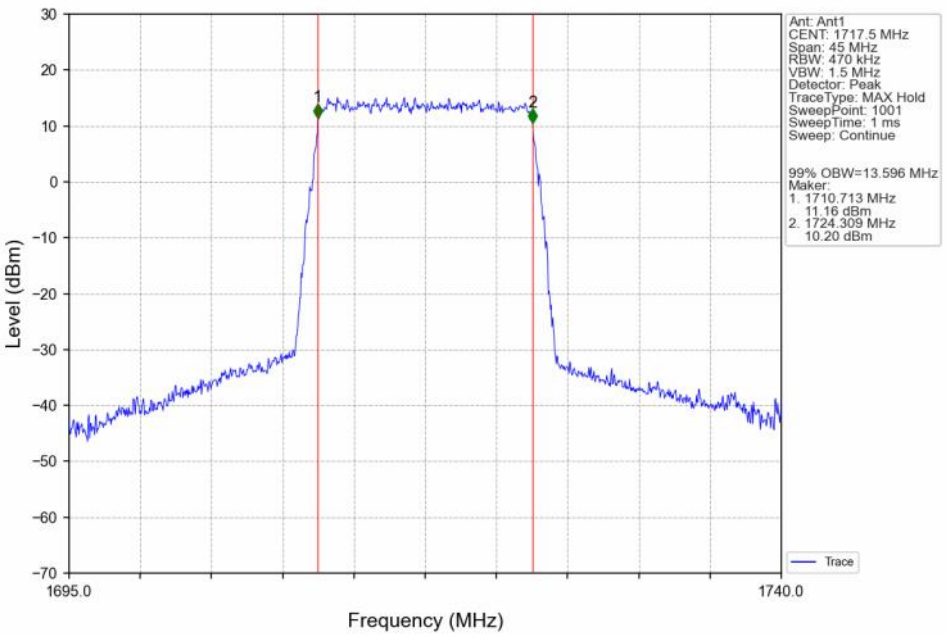
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



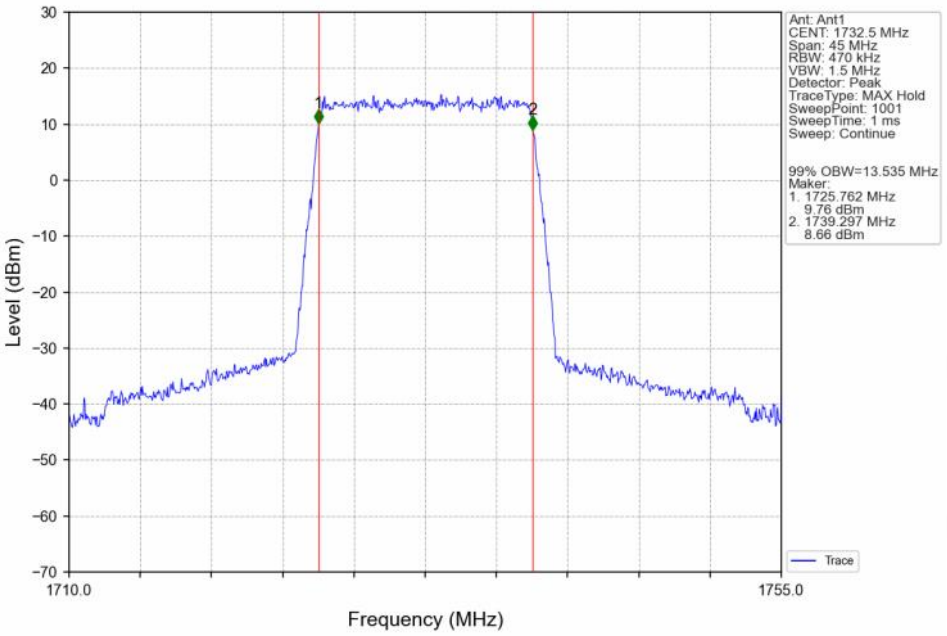
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



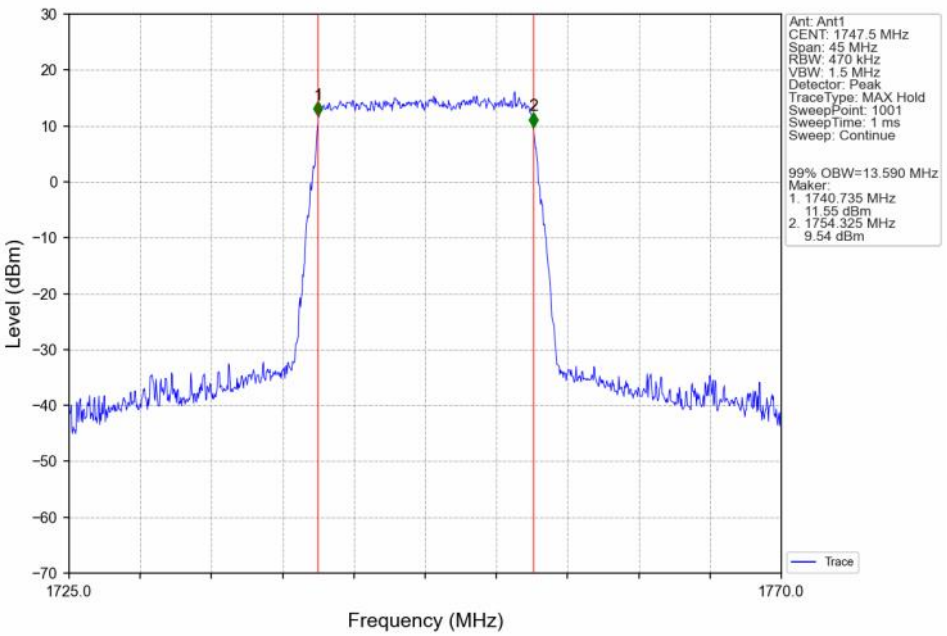
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



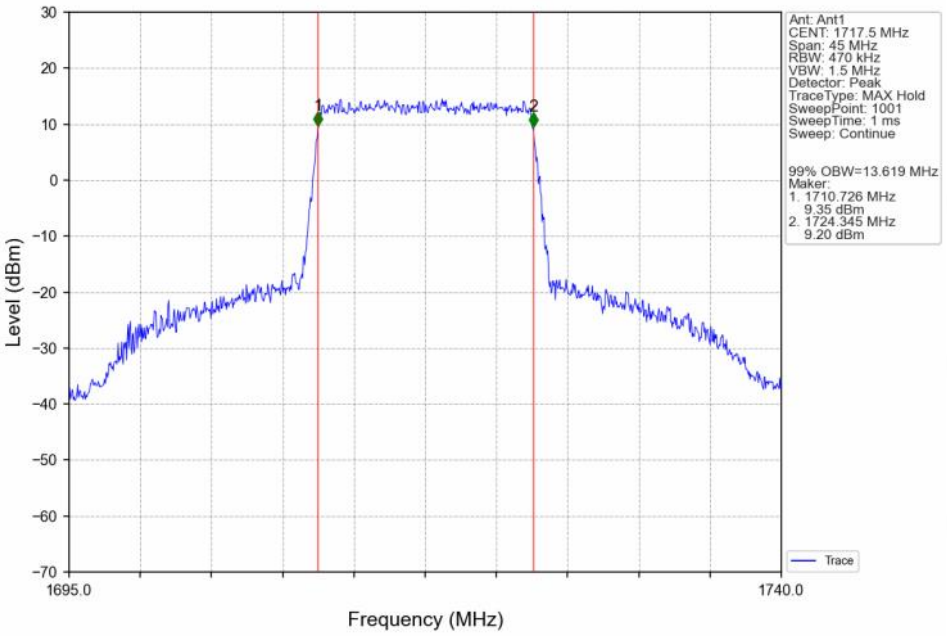
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



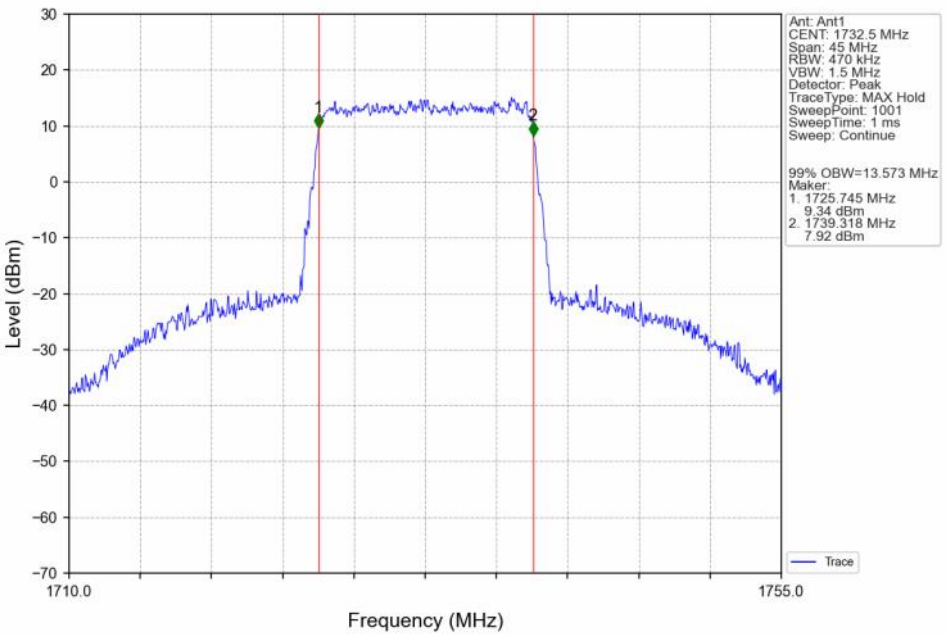
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



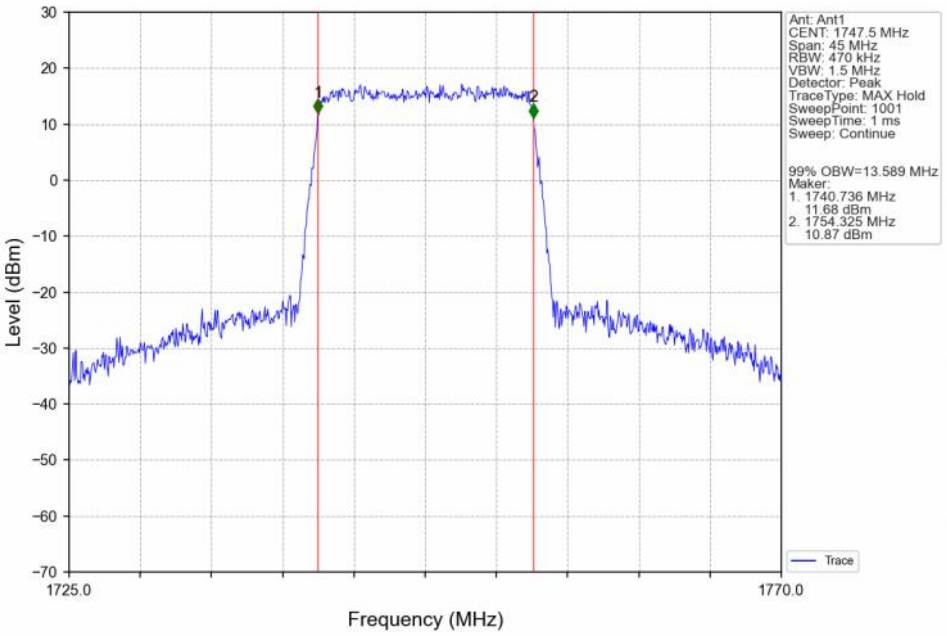
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



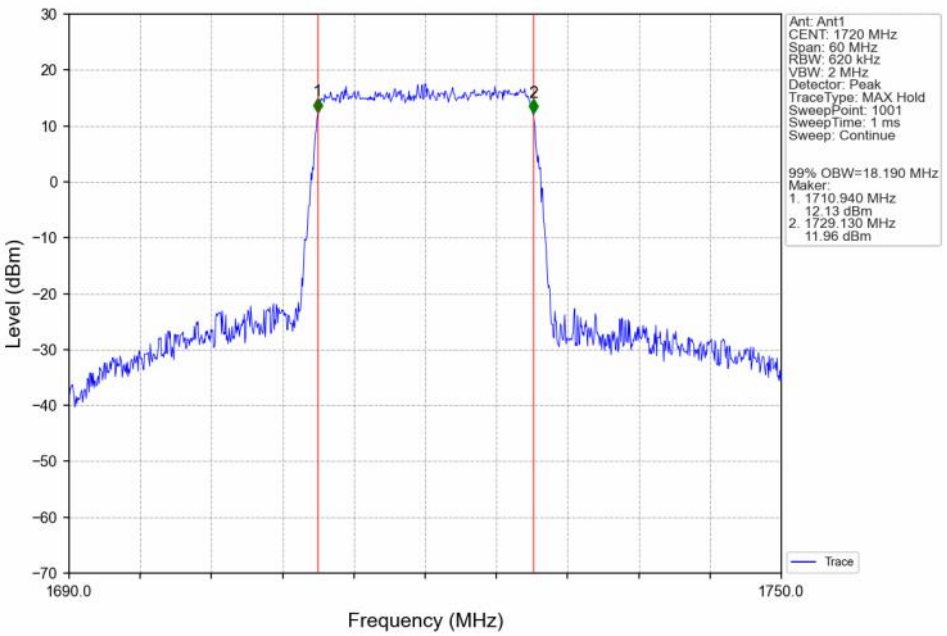
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



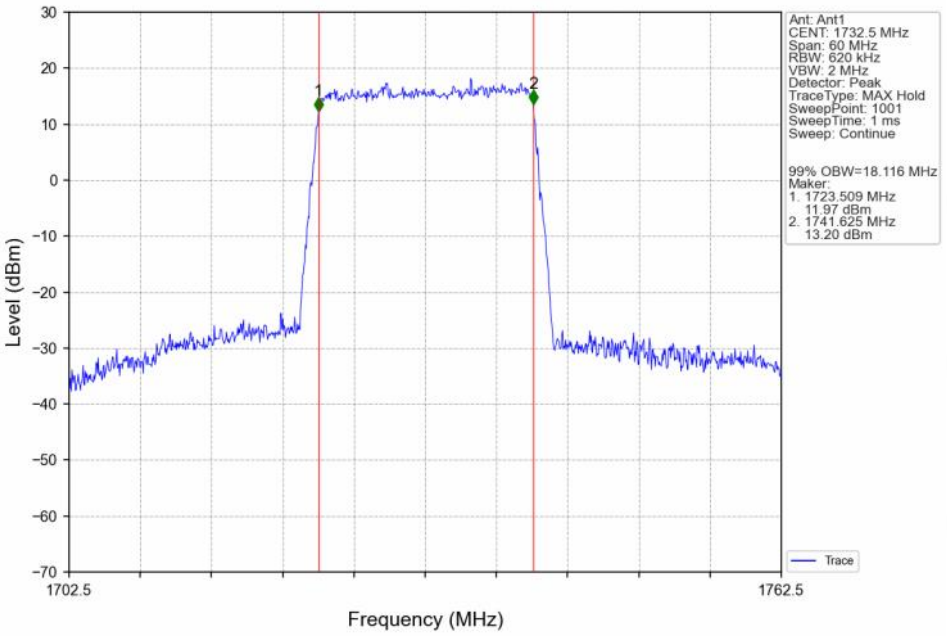
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



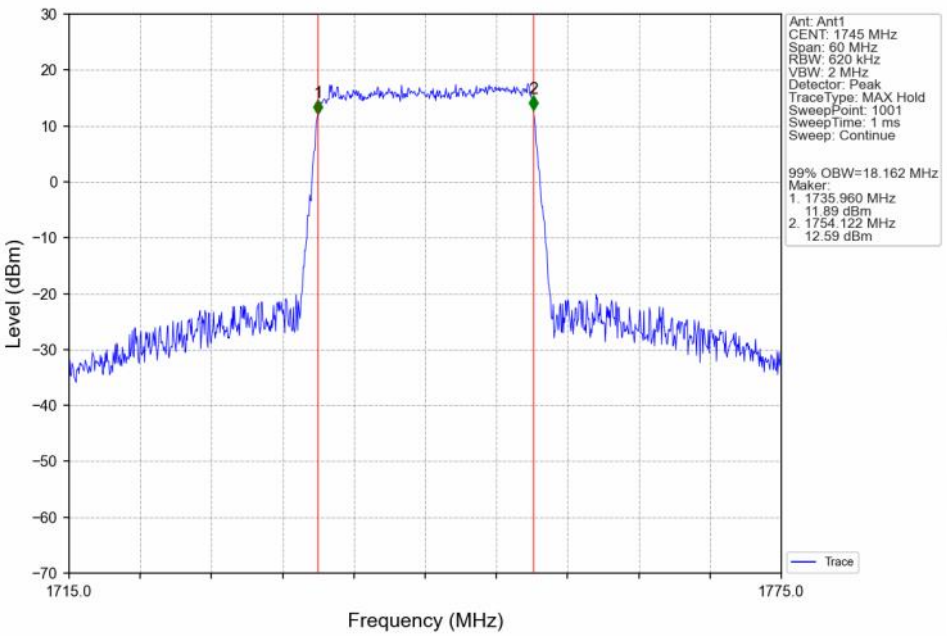
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



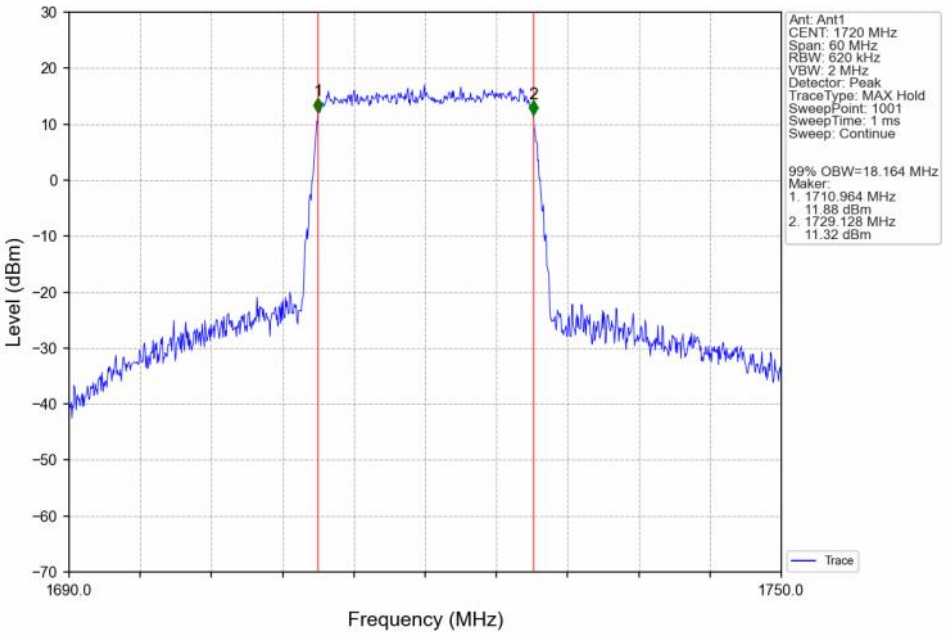
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



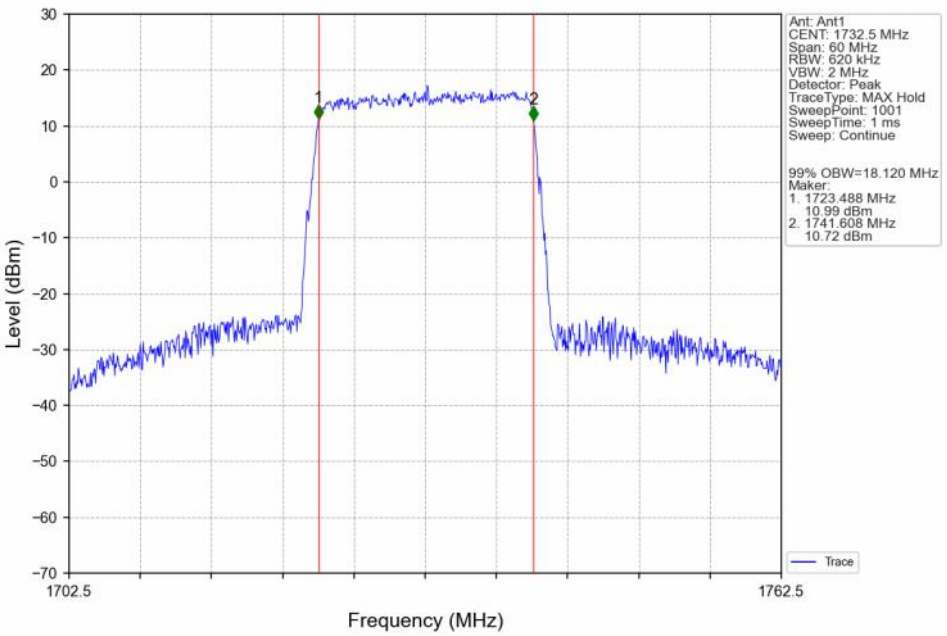
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



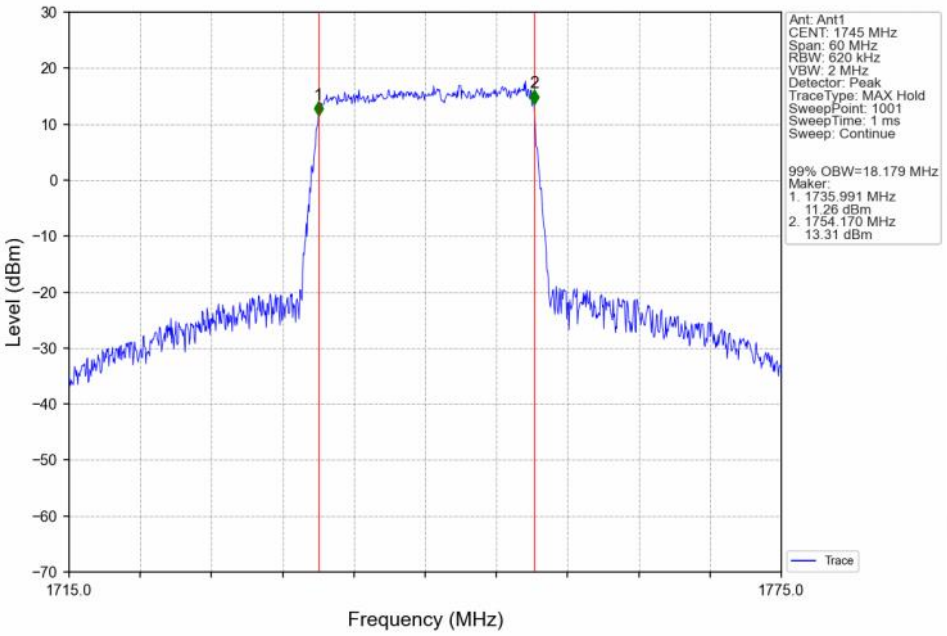
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

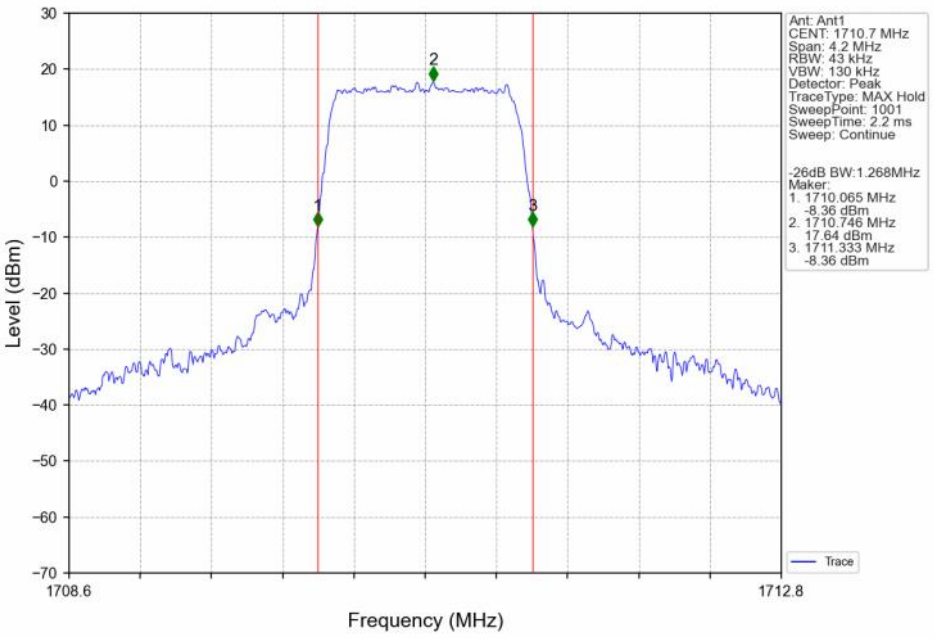


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

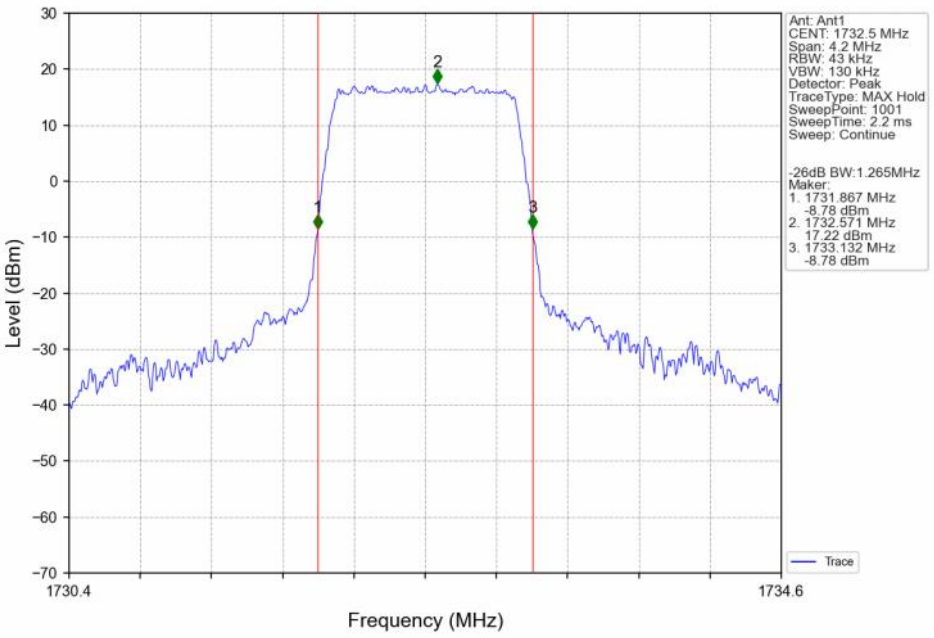


4.2.2 Band4_XDB

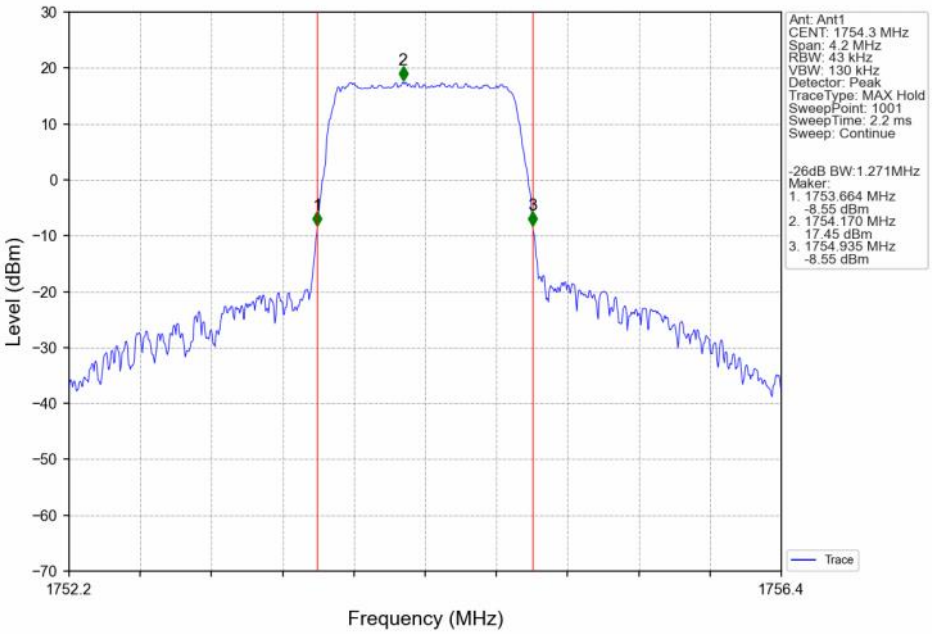
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



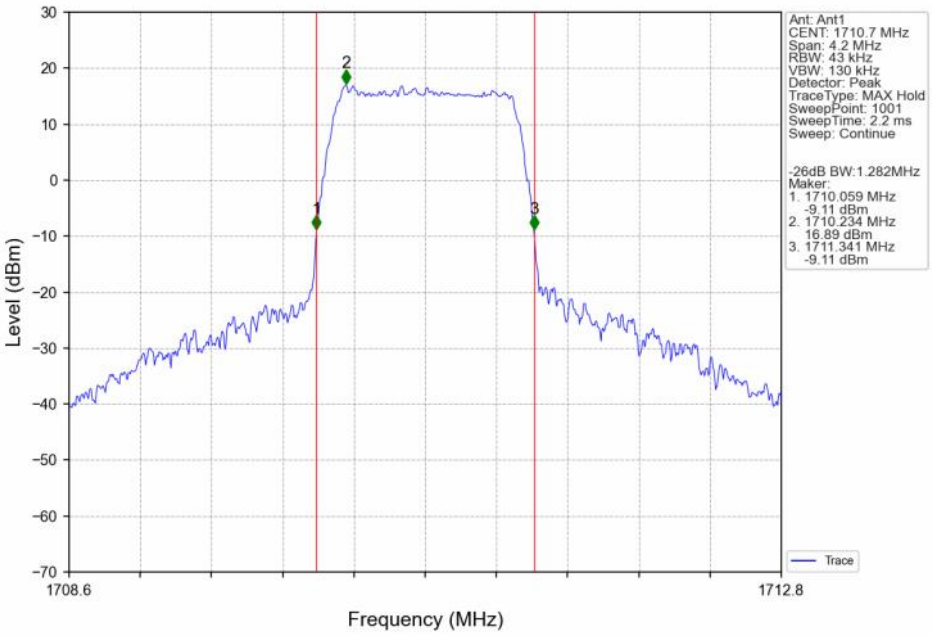
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



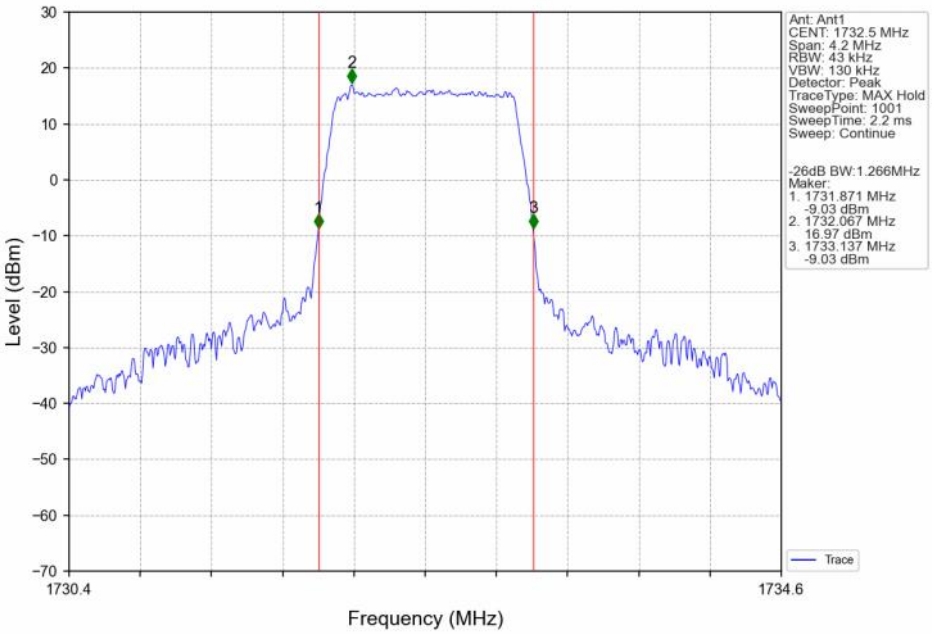
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



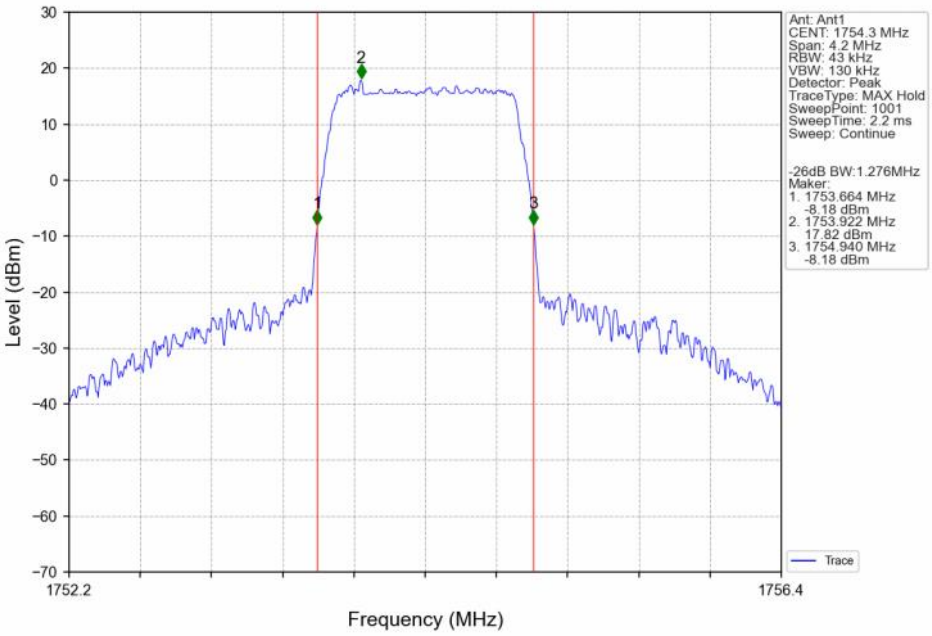
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



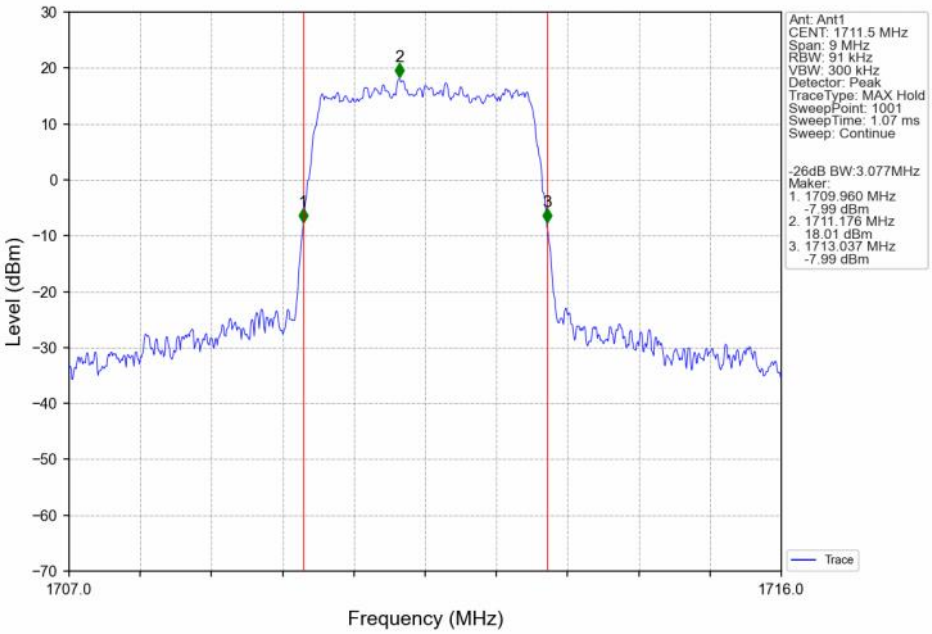
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



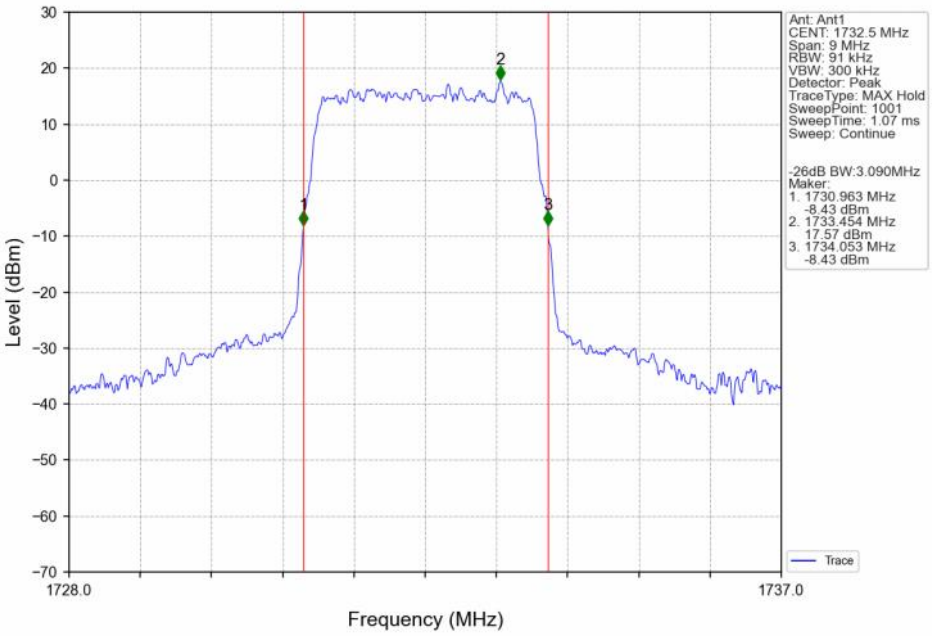
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



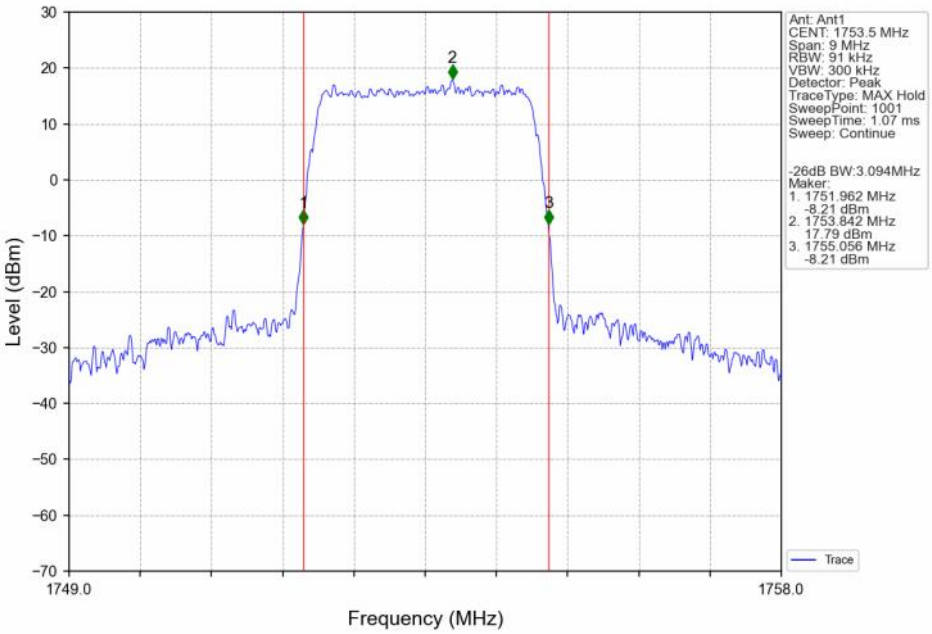
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



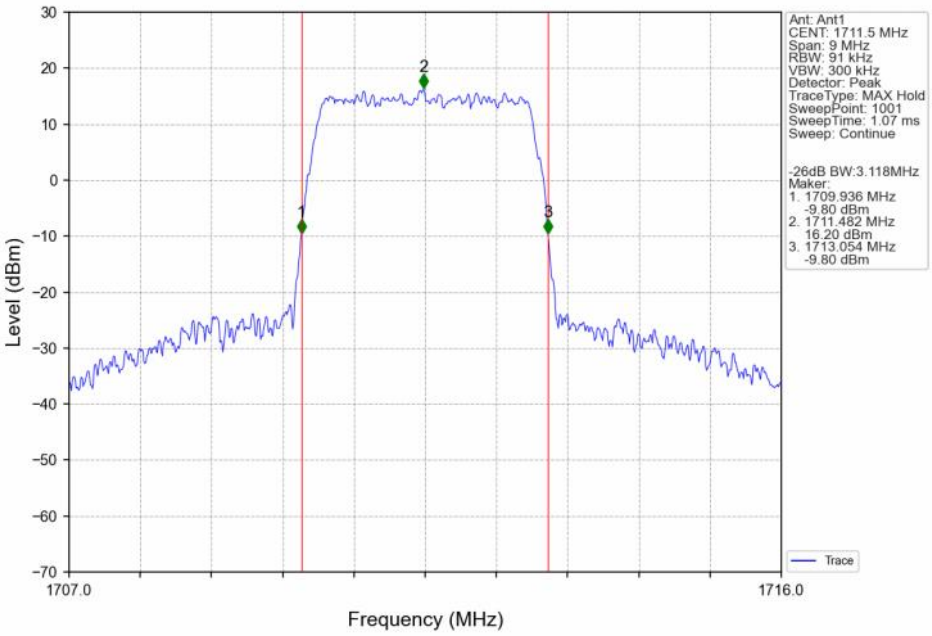
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



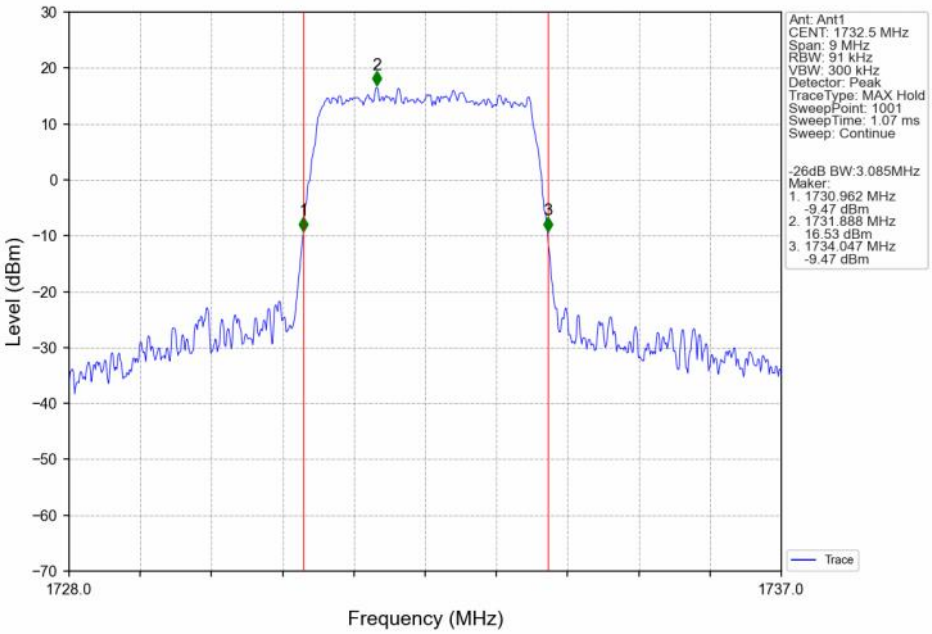
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



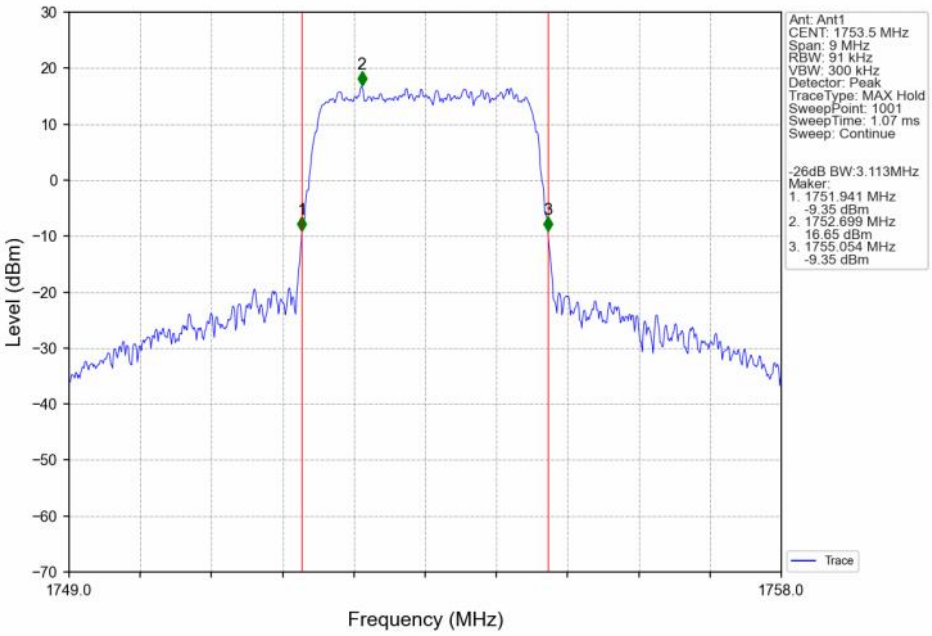
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



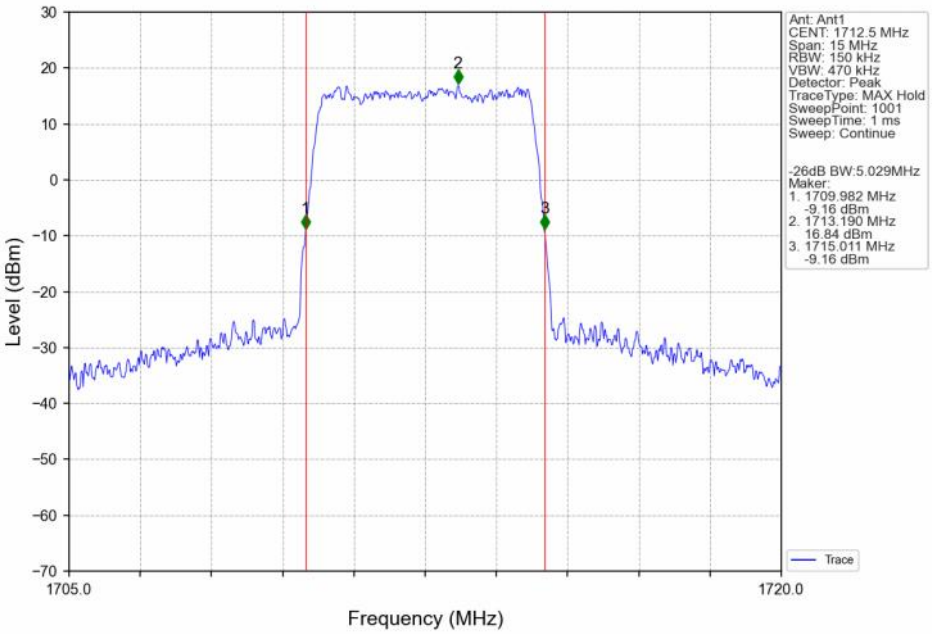
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



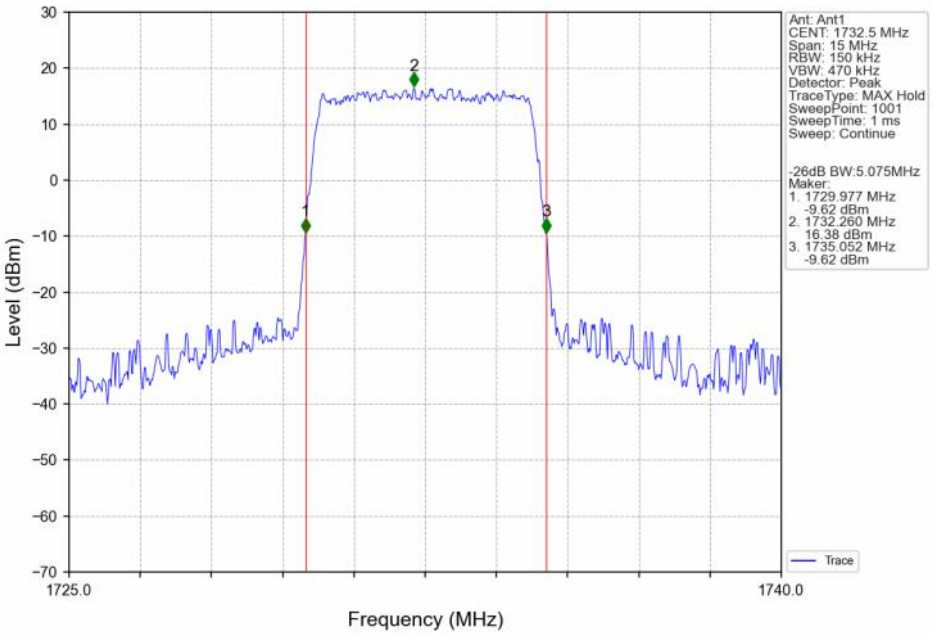
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



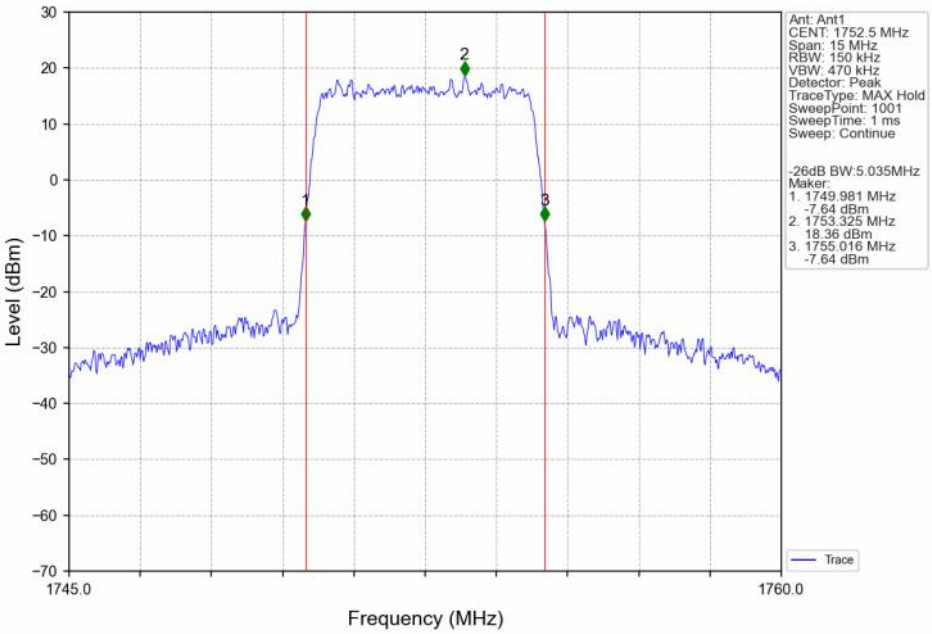
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



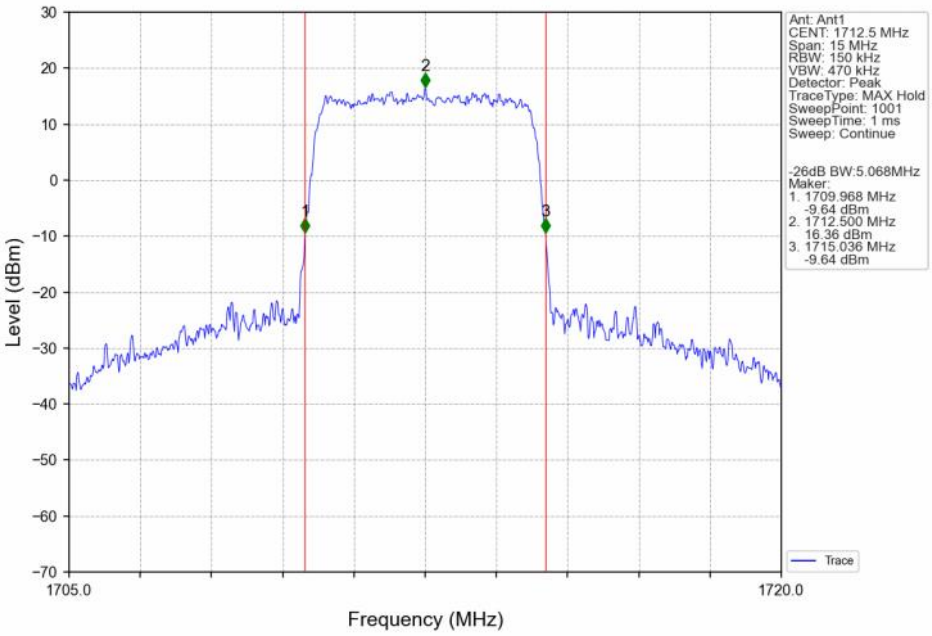
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



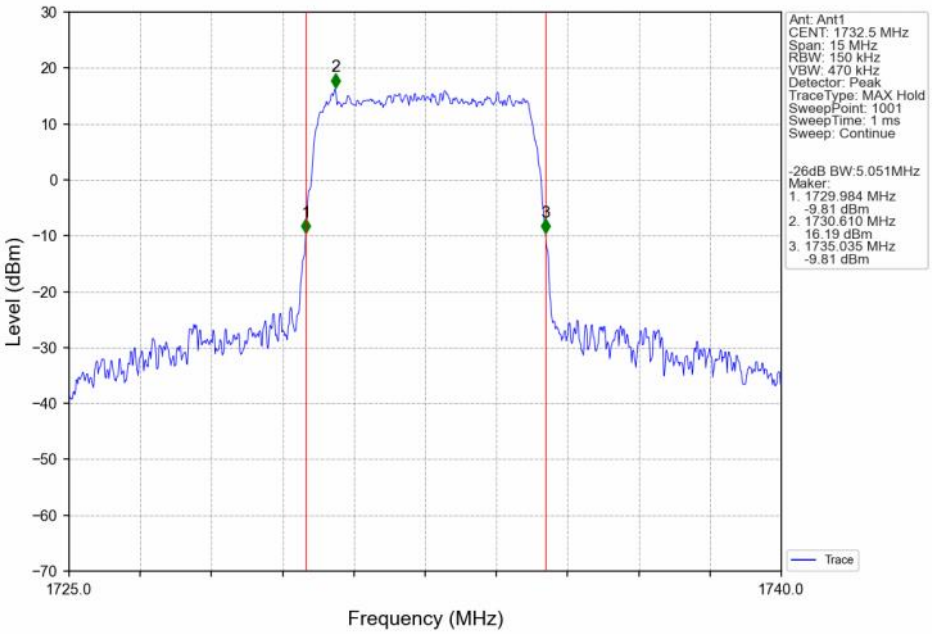
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



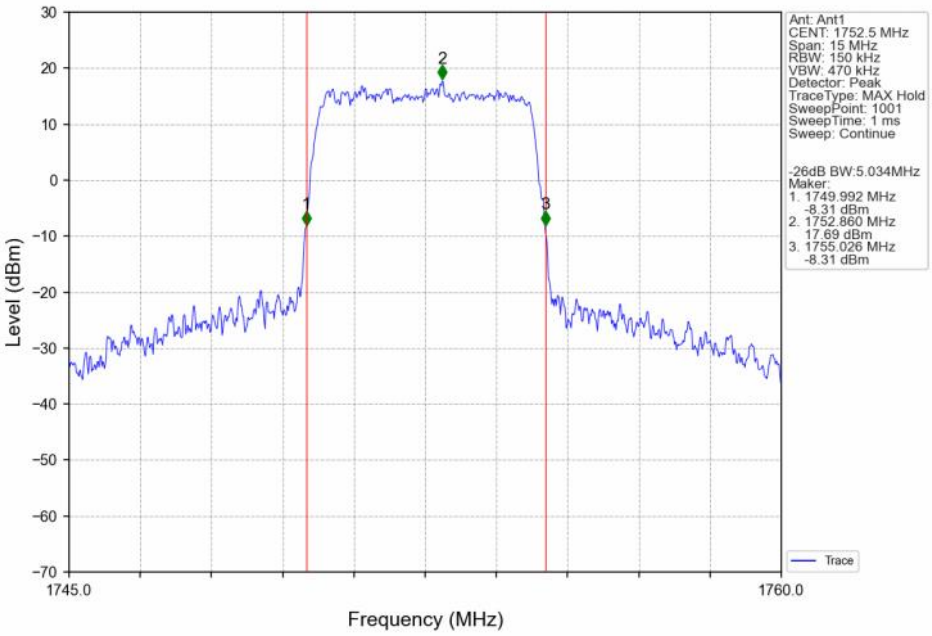
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



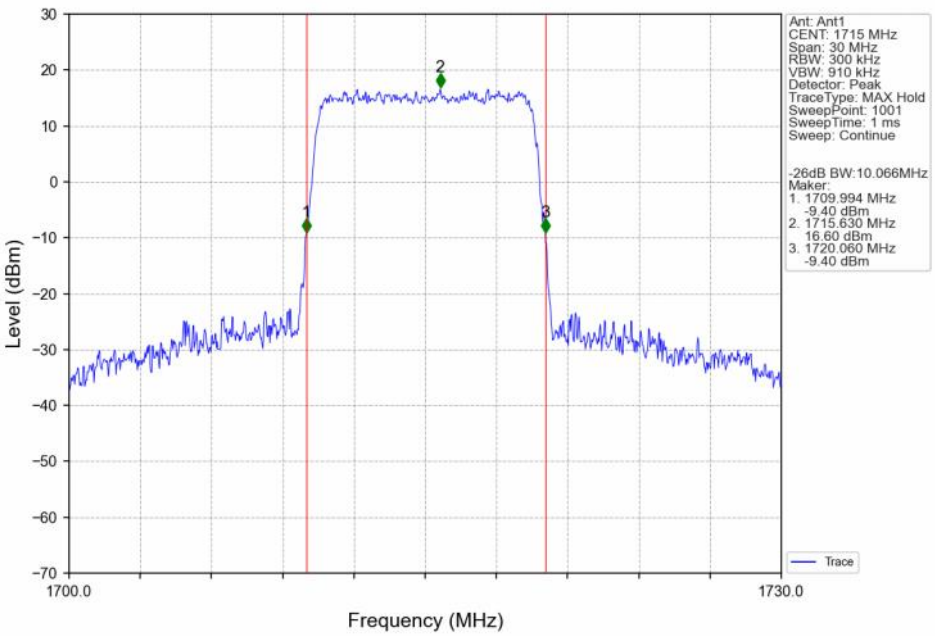
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



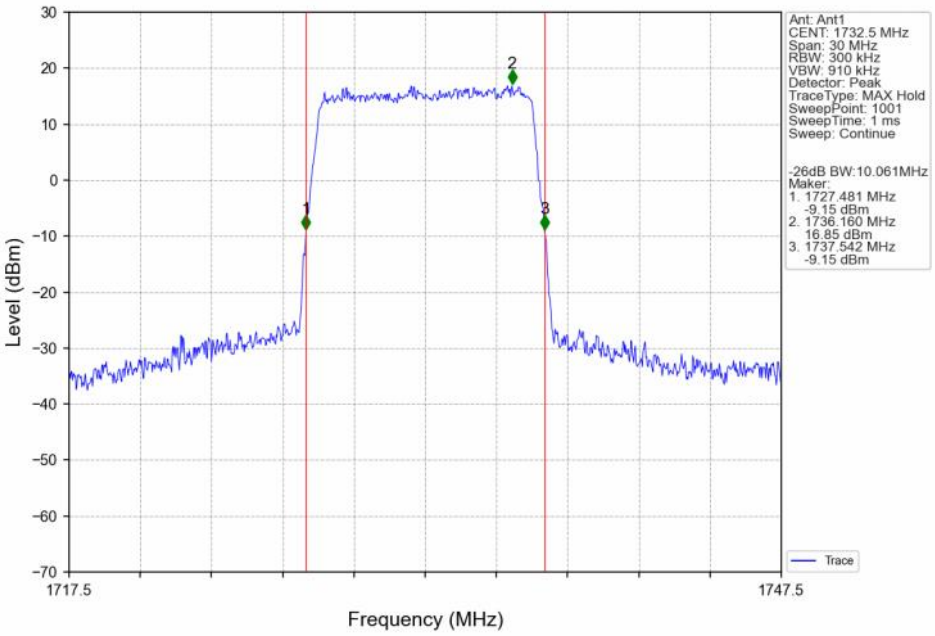
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



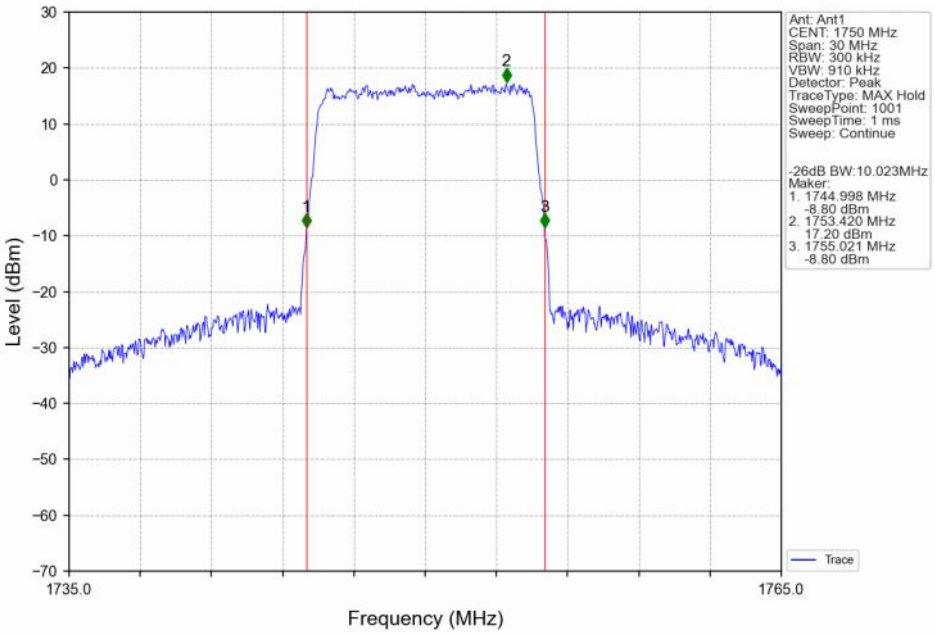
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



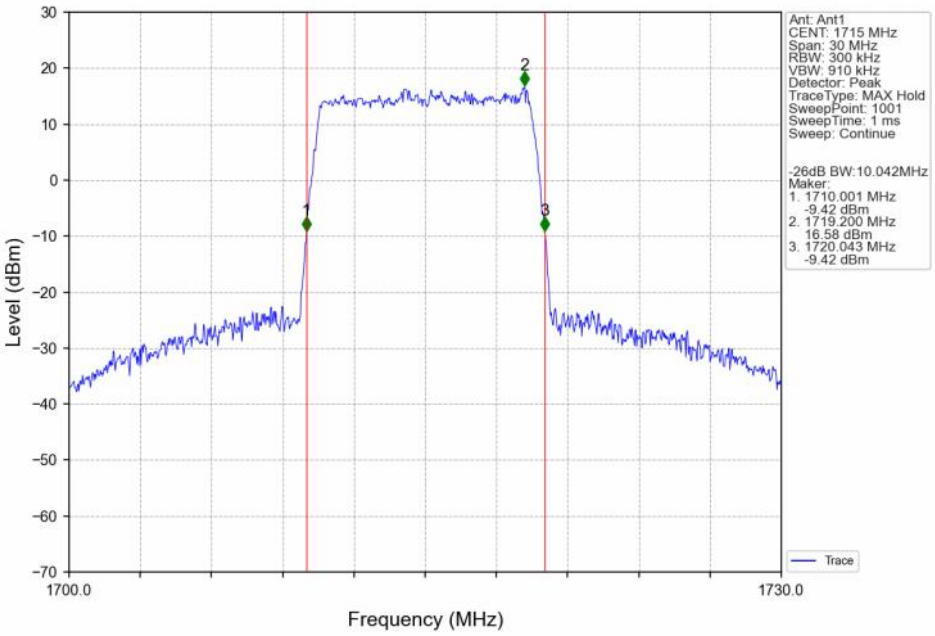
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



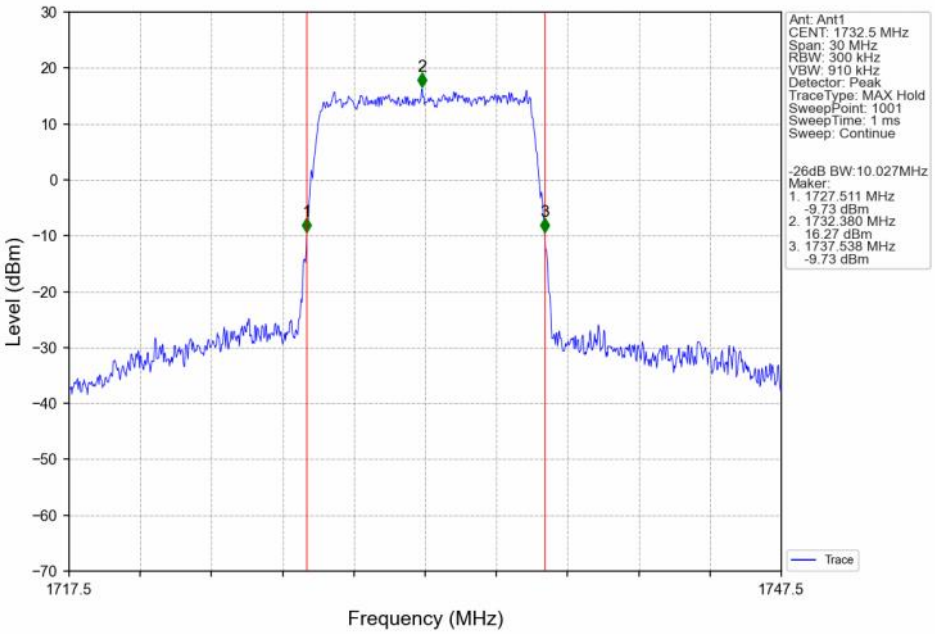
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



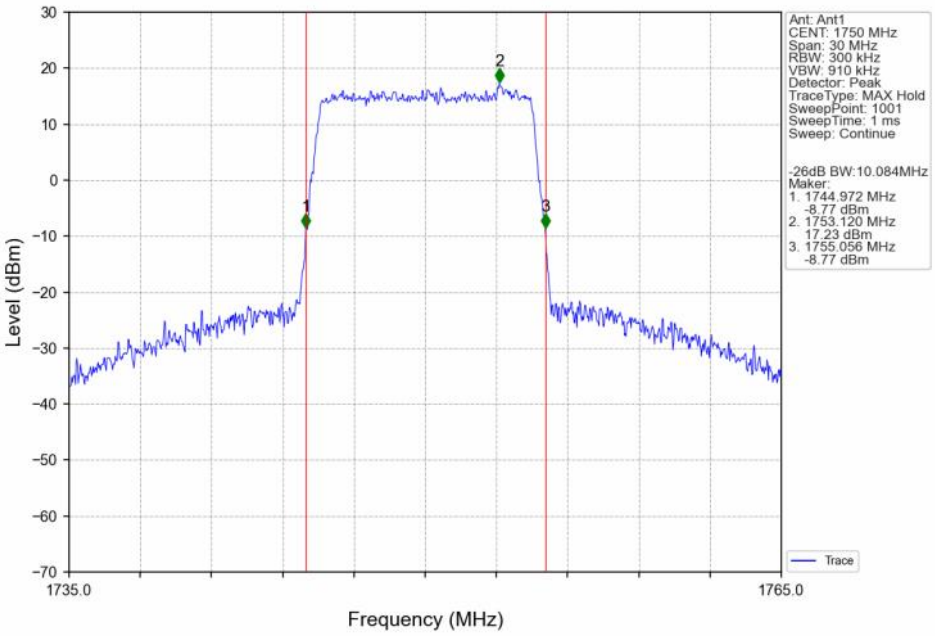
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



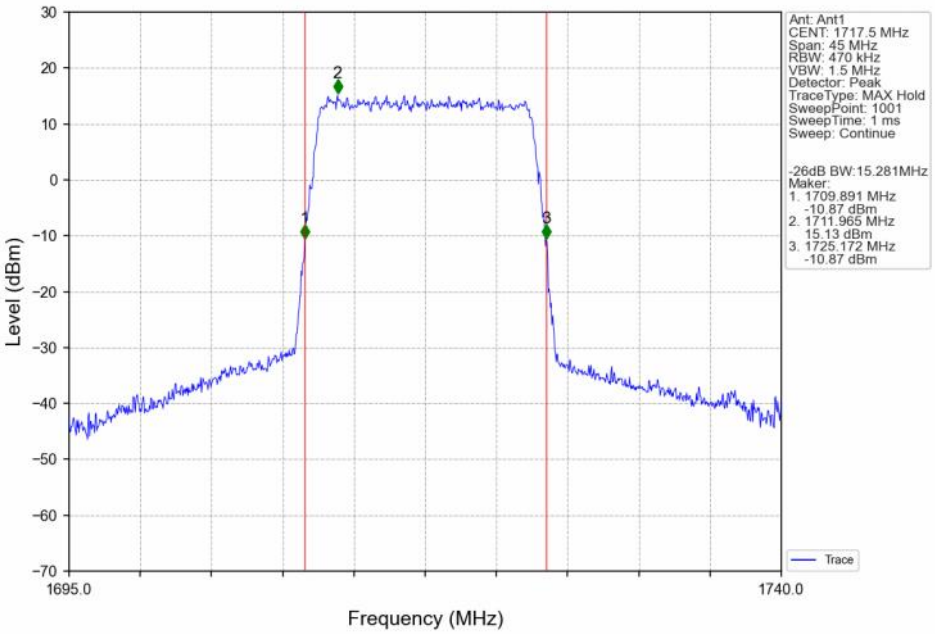
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



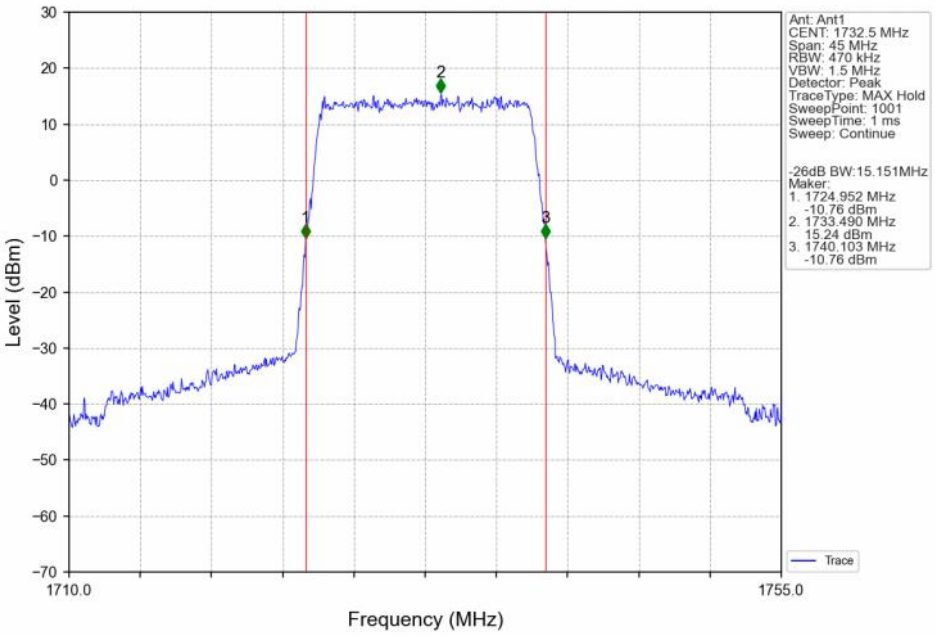
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



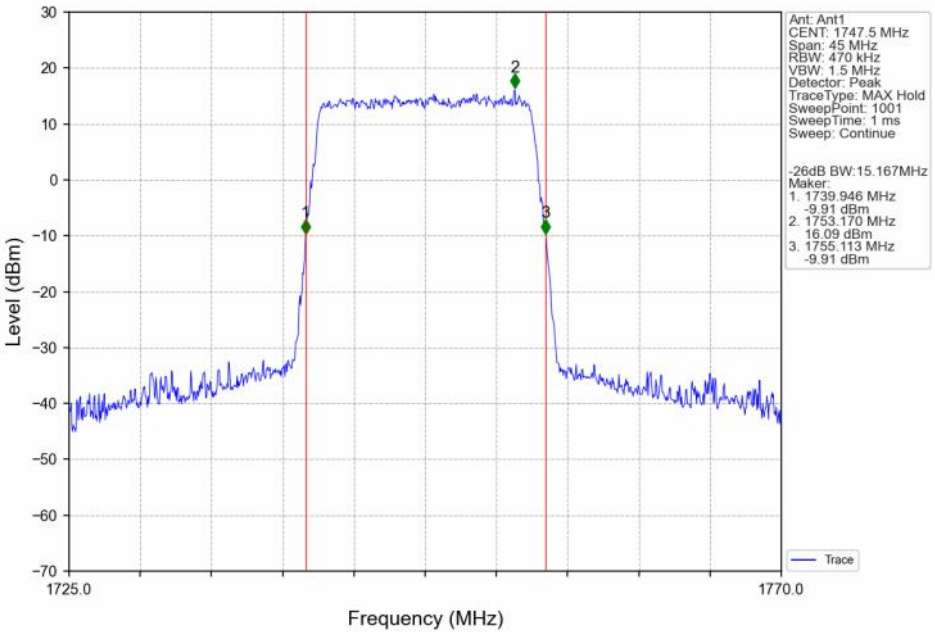
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



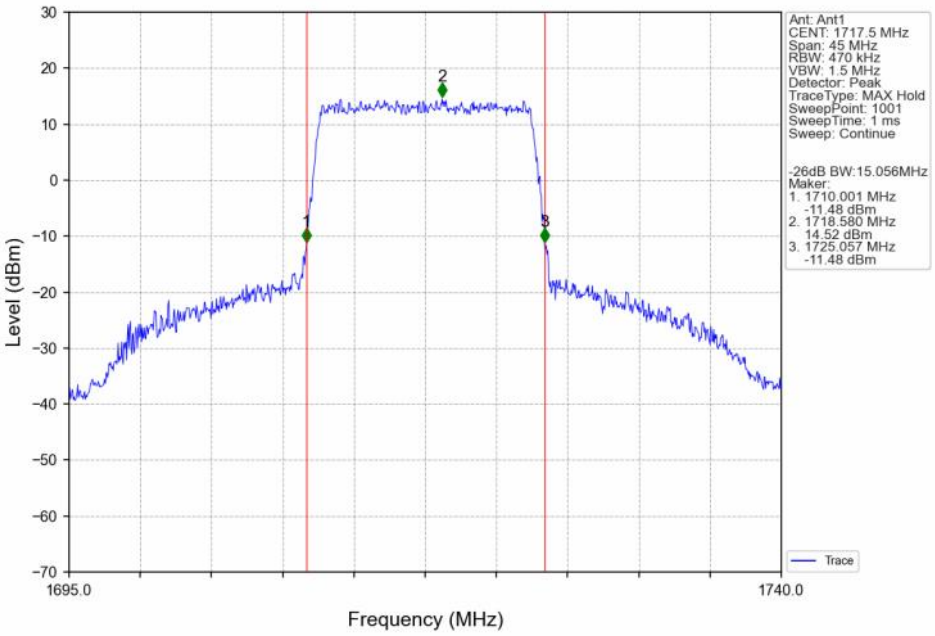
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



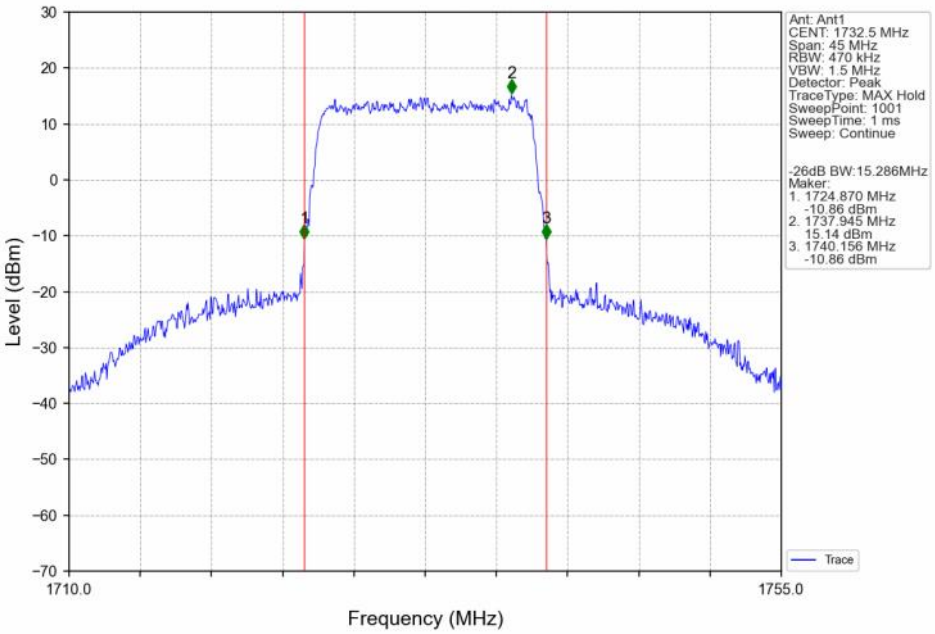
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



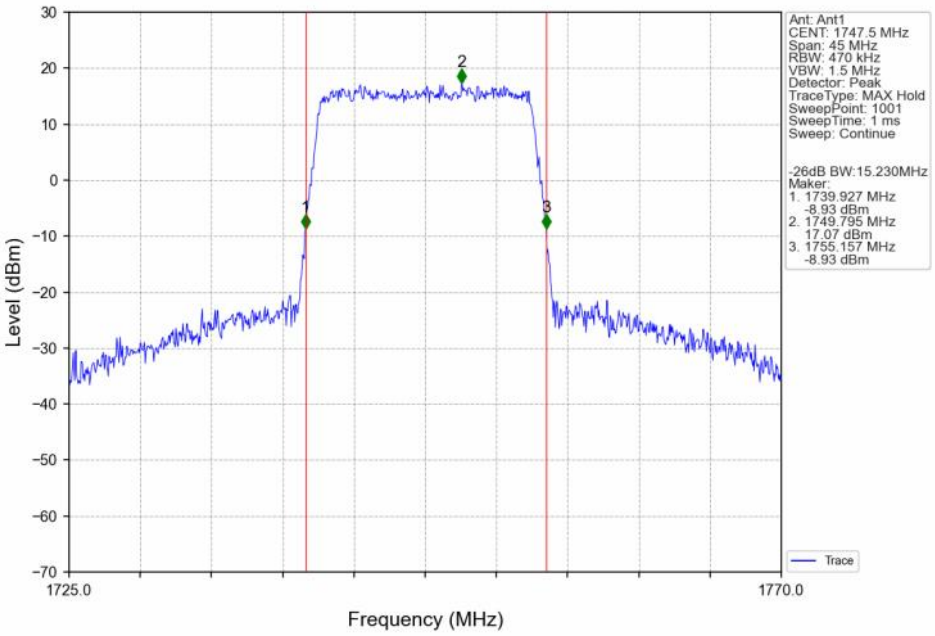
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



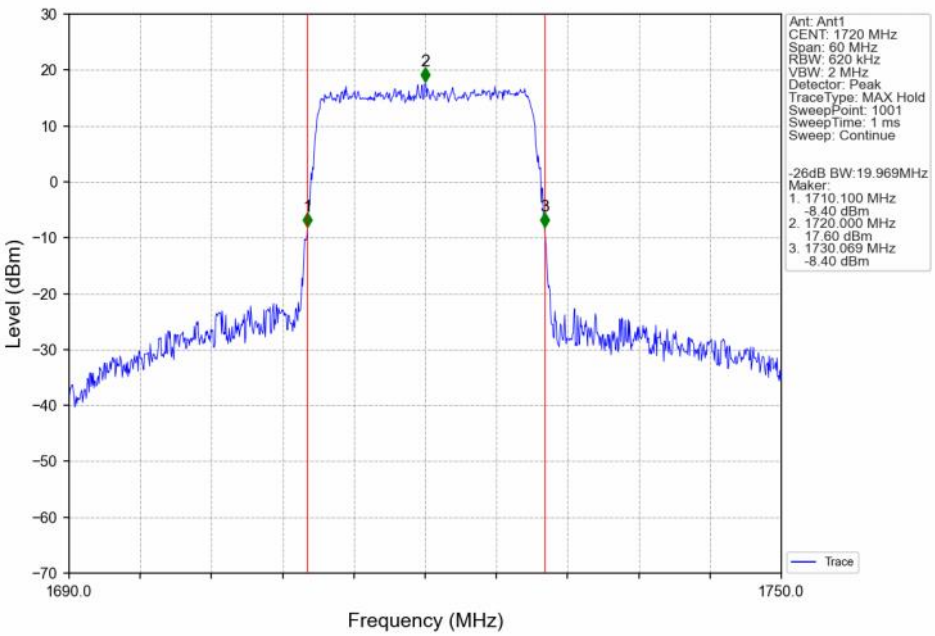
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



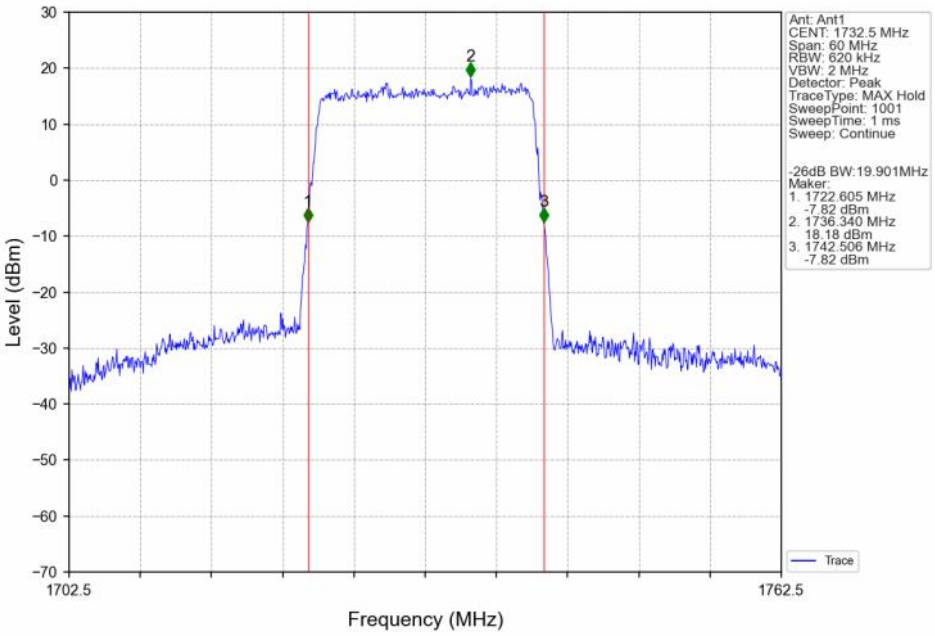
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



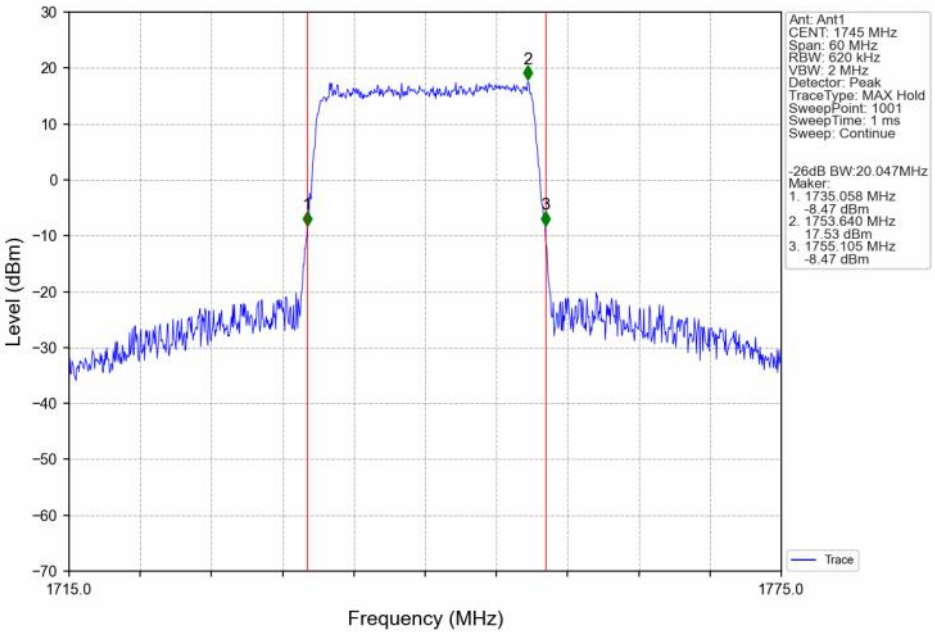
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



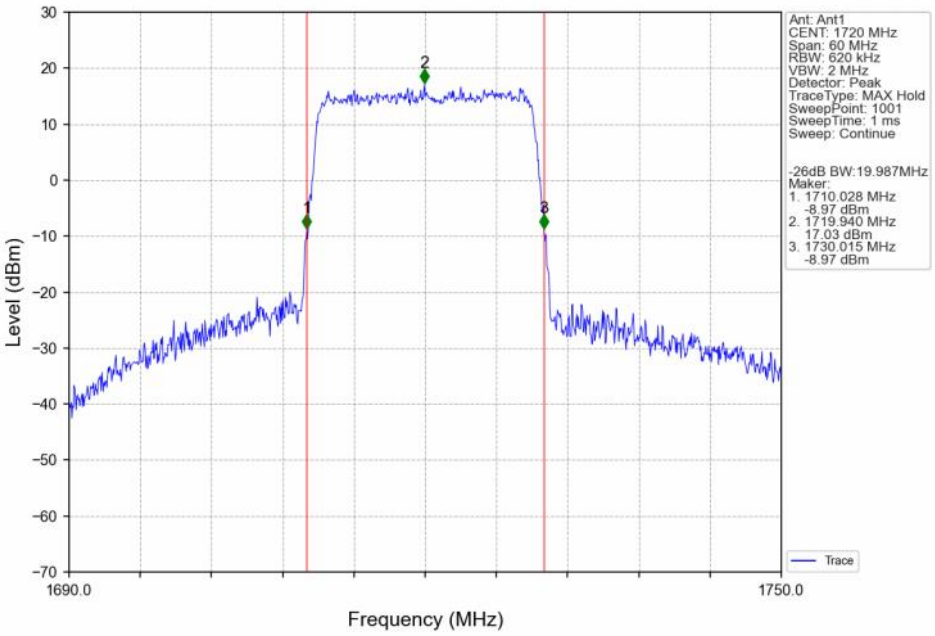
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



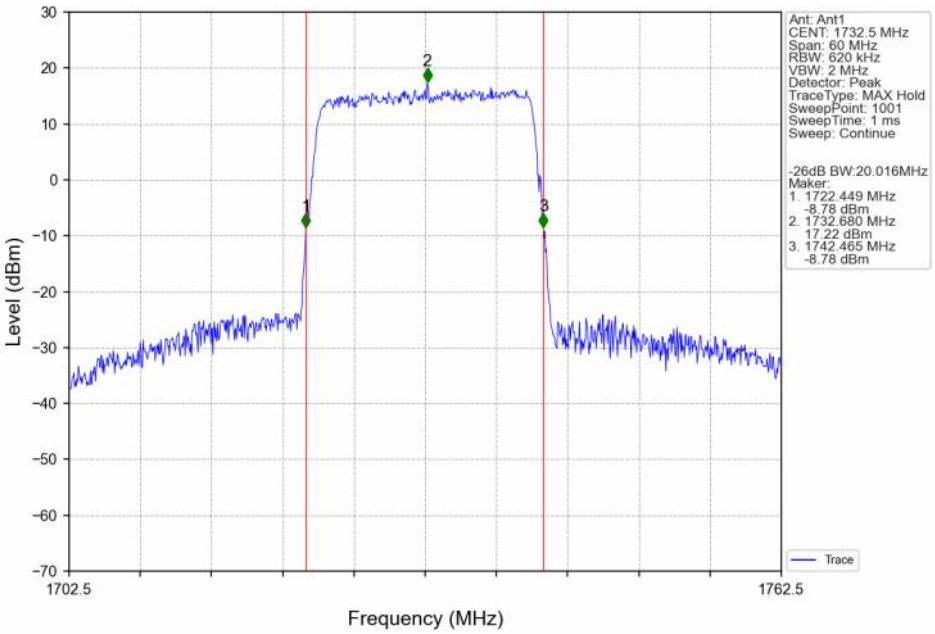
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



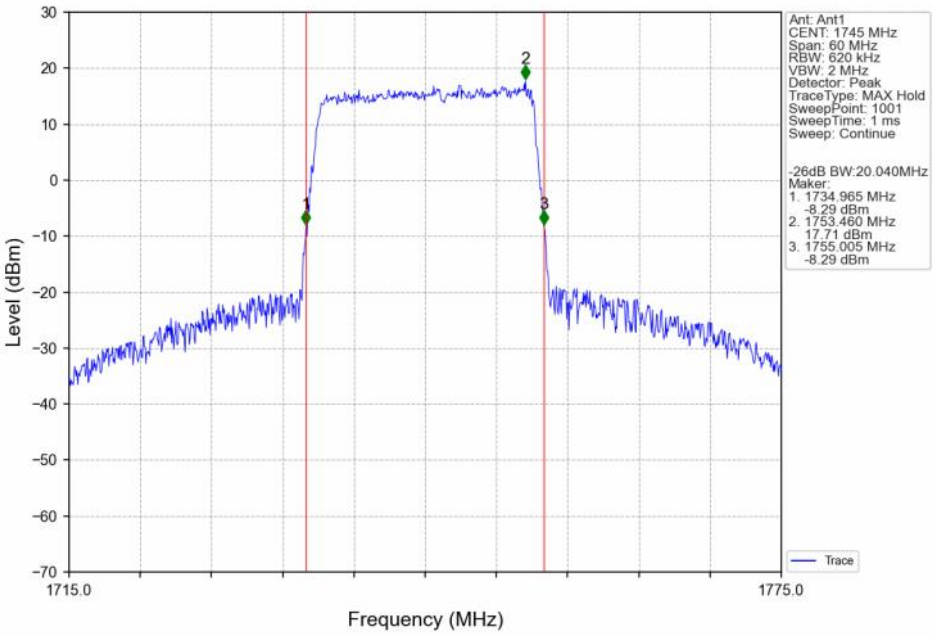
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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	5.54	<=13	Pass
	1732.5	6	0	5.81	<=13	Pass
	1754.3	6	0	5.49	<=13	Pass
16QAM	1710.7	6	0	6.23	<=13	Pass
	1732.5	6	0	6.46	<=13	Pass
	1754.3	6	0	6.19	<=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	5.64	<=13	Pass
	1732.5	15	0	5.70	<=13	Pass
	1753.5	15	0	5.56	<=13	Pass
16QAM	1711.5	15	0	6.38	<=13	Pass
	1732.5	15	0	6.52	<=13	Pass
	1753.5	15	0	6.35	<=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	5.59	<=13	Pass
	1732.5	25	0	5.74	<=13	Pass
	1752.5	25	0	5.52	<=13	Pass
16QAM	1712.5	25	0	6.33	<=13	Pass
	1732.5	25	0	6.44	<=13	Pass
	1752.5	25	0	6.21	<=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	5.82	<=13	Pass
	1732.5	50	0	5.87	<=13	Pass
	1750	50	0	5.82	<=13	Pass
16QAM	1715	50	0	5.70	<=13	Pass
	1732.5	50	0	5.91	<=13	Pass

	1750	50	0	5.70	<=13	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	6.18	<=13	Pass
	1732.5	75	0	6.21	<=13	Pass
	1747.5	75	0	6.14	<=13	Pass
16QAM	1717.5	75	0	5.65	<=13	Pass
	1732.5	75	0	5.81	<=13	Pass
	1747.5	75	0	5.55	<=13	Pass

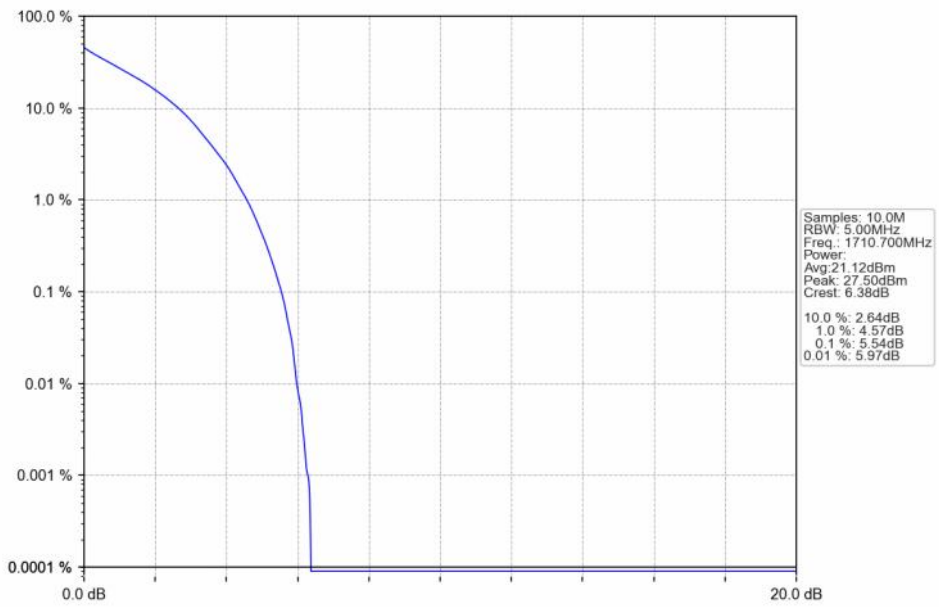
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.89	<=13	Pass
	1732.5	100	0	5.87	<=13	Pass
	1745	100	0	5.81	<=13	Pass
16QAM	1720	100	0	5.78	<=13	Pass
	1732.5	100	0	5.83	<=13	Pass
	1745	100	0	5.70	<=13	Pass

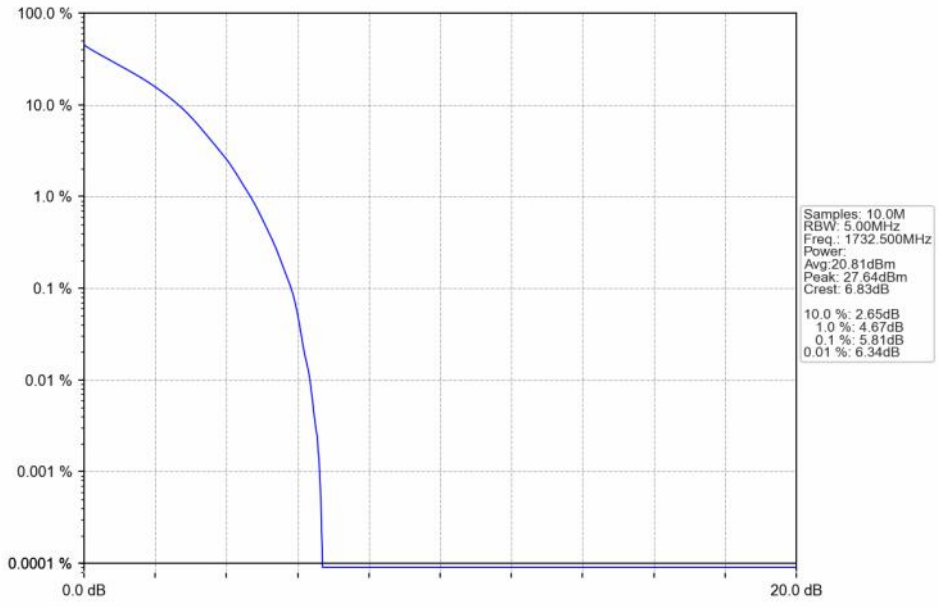
5.2 Test Graph

5.2.1 B4_1.4MHz

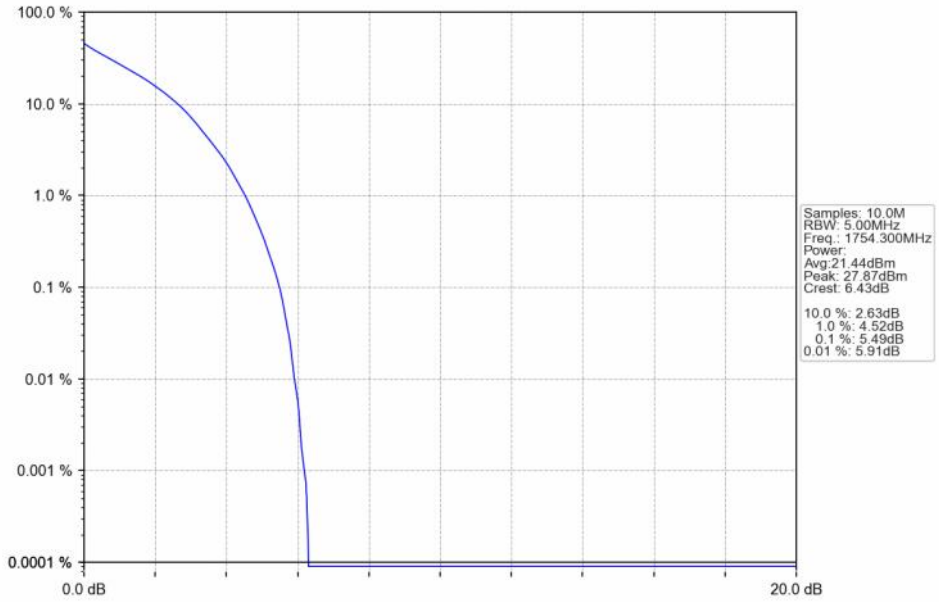
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



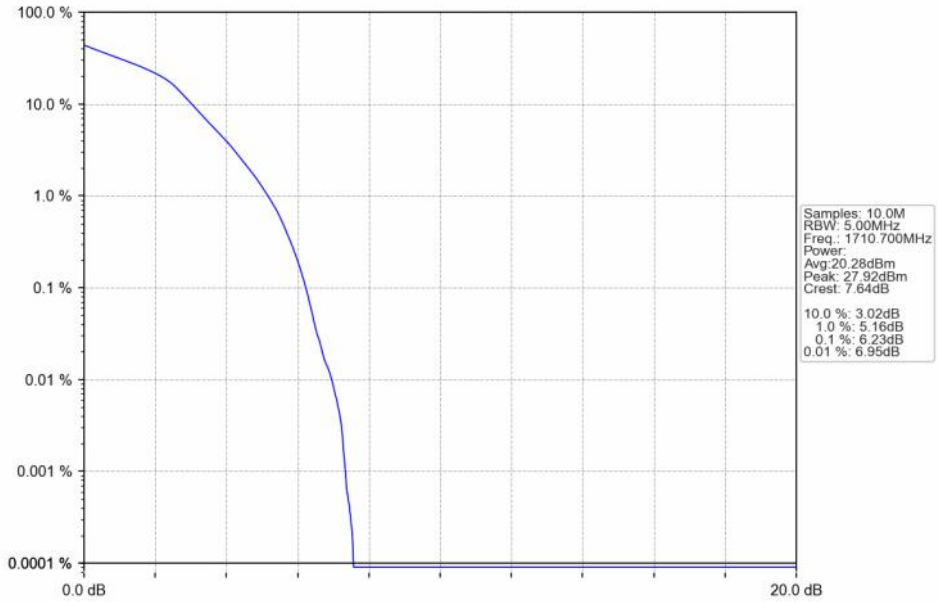
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



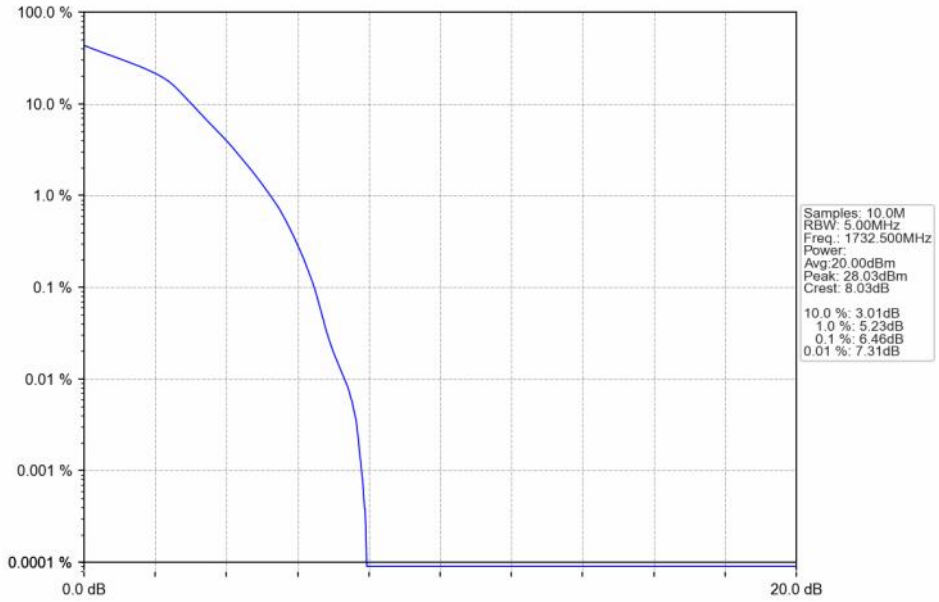
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



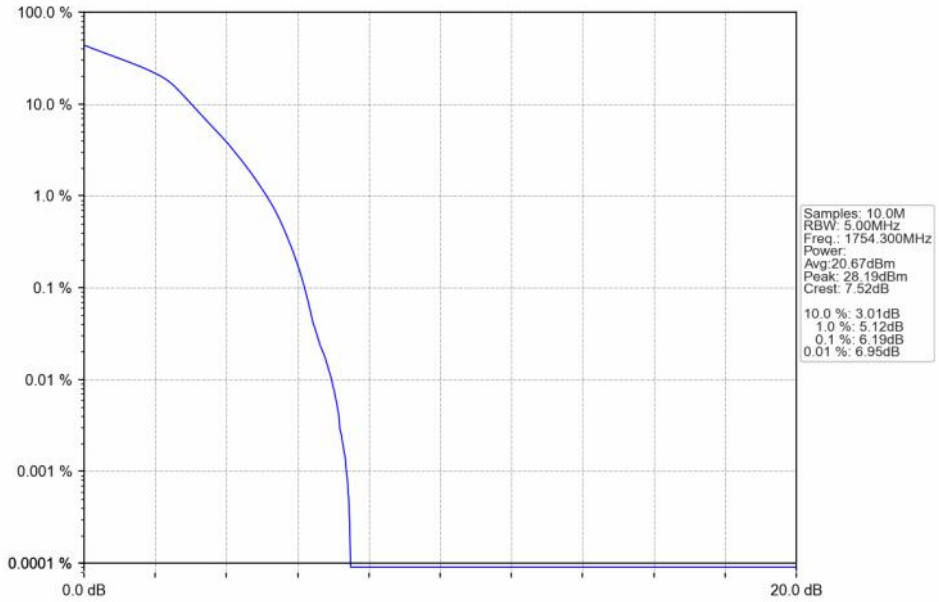
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



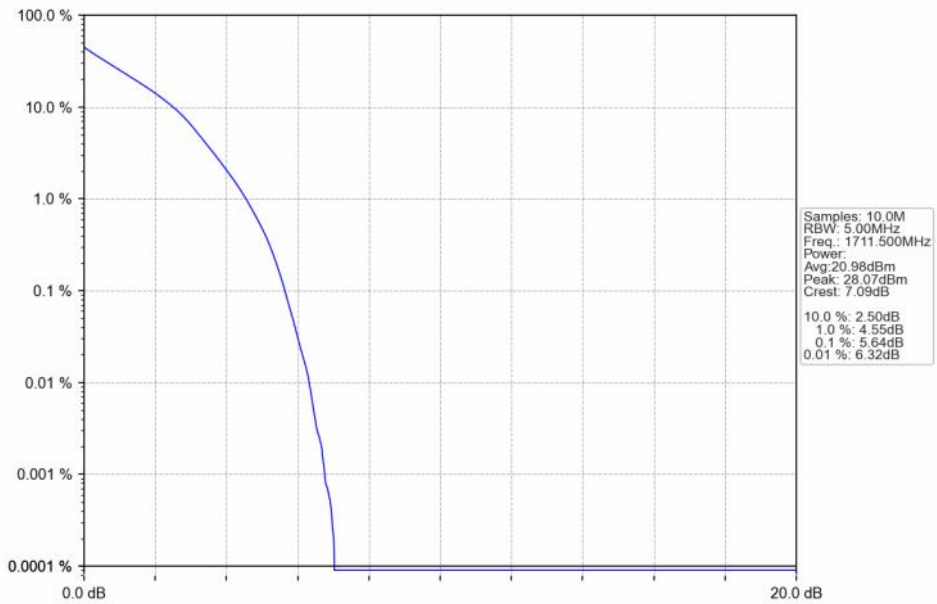
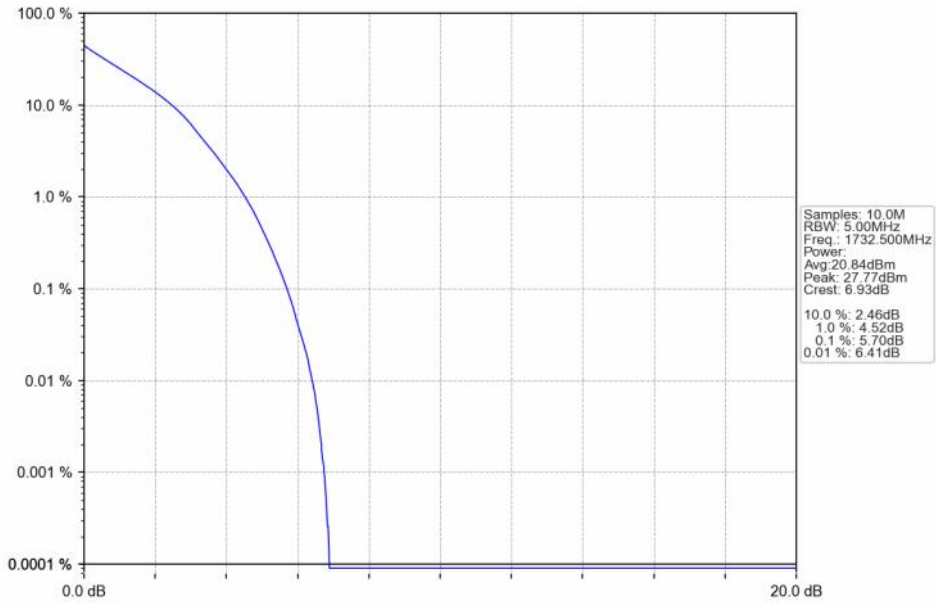
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



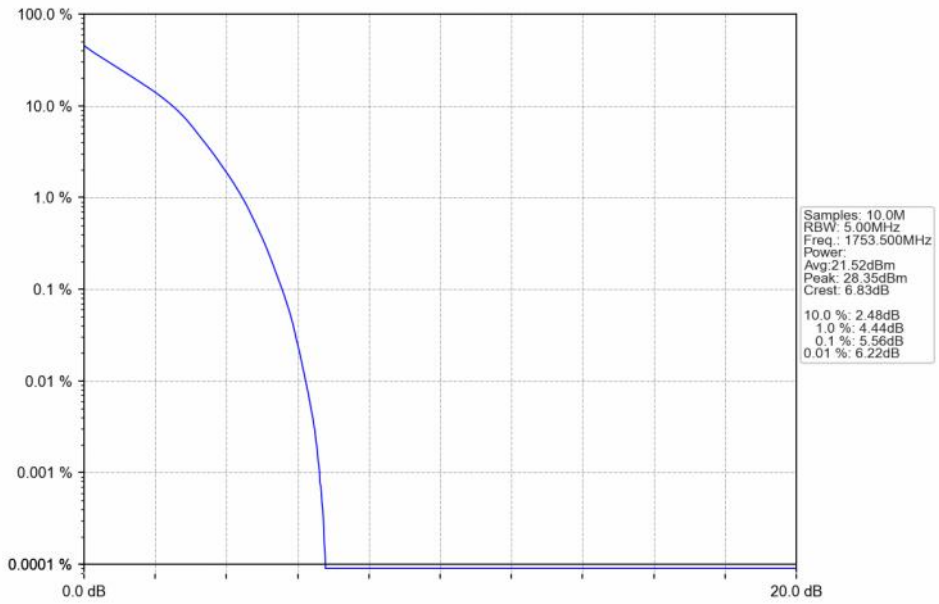
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



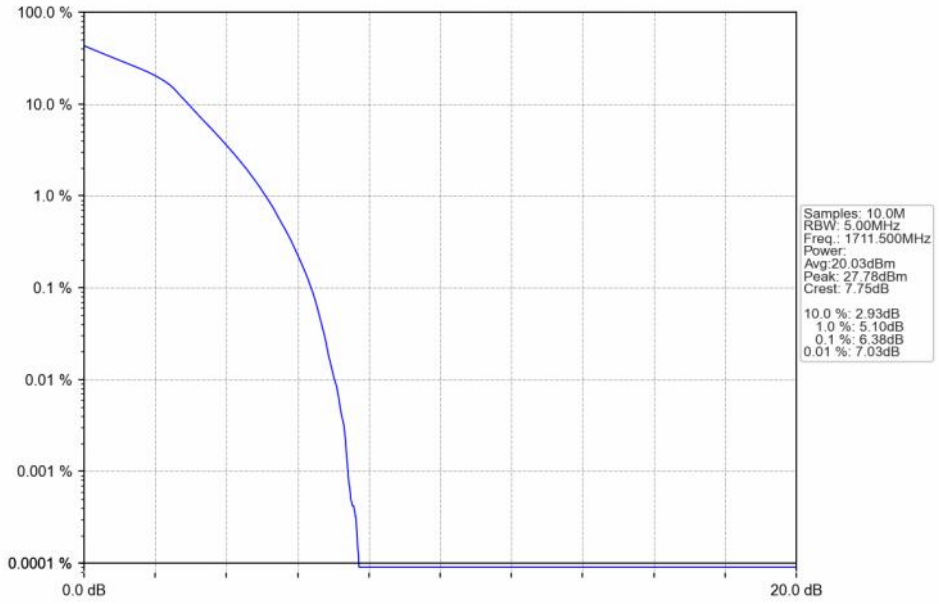
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV


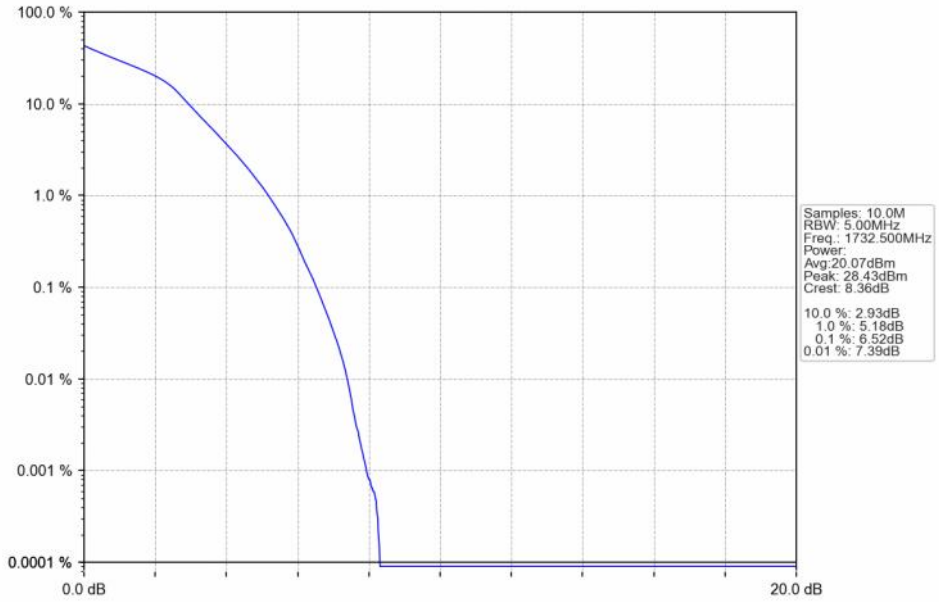
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



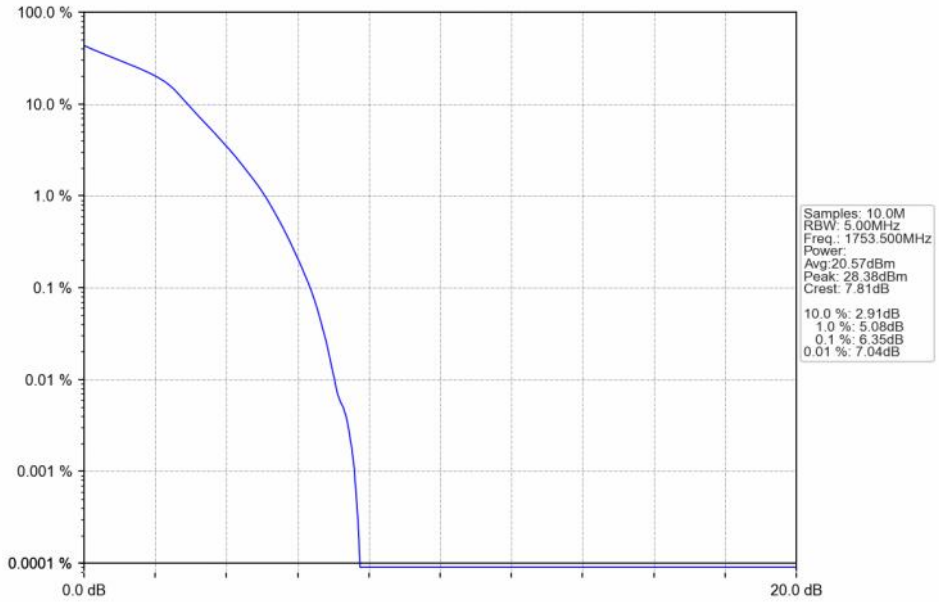
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

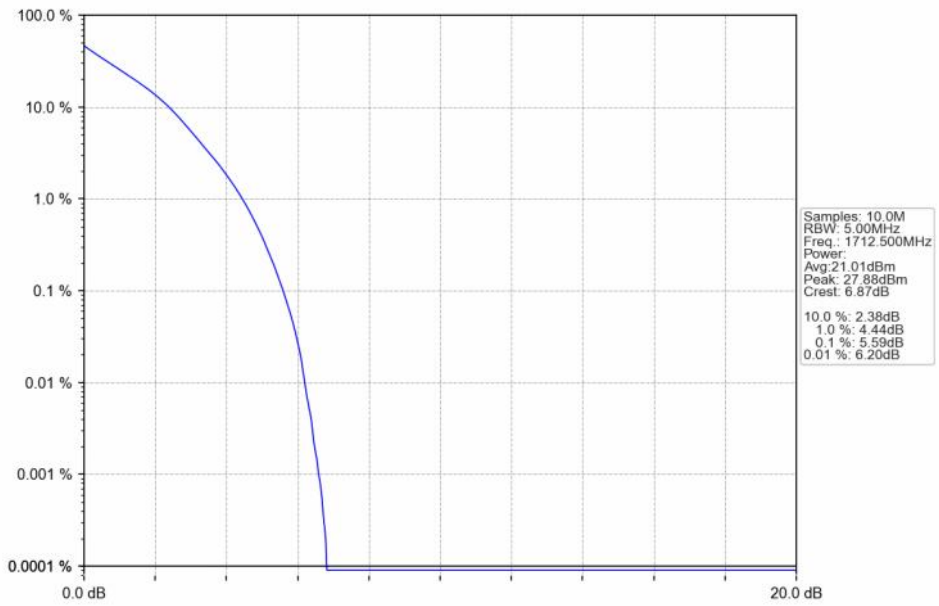


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

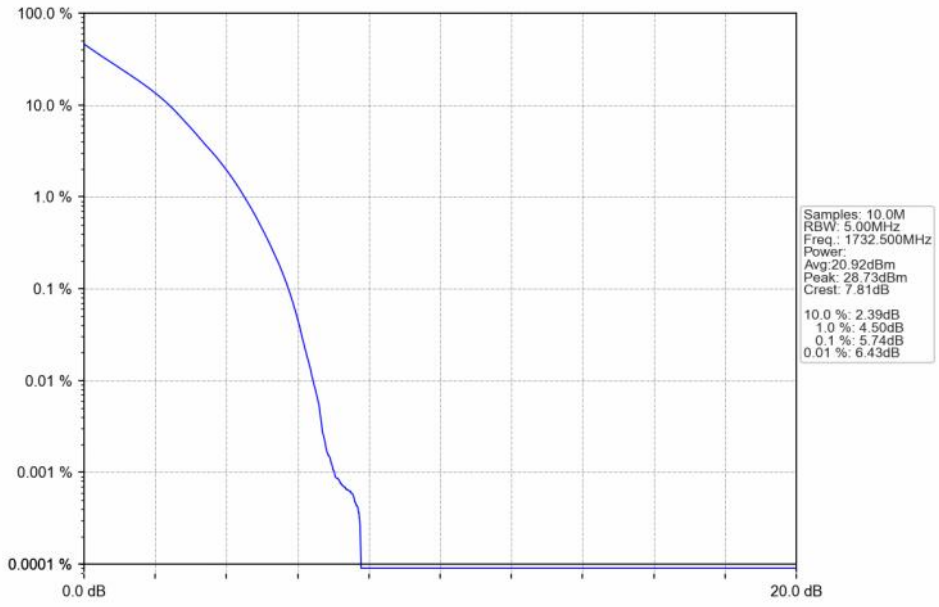


5.2.3 B4_5MHz

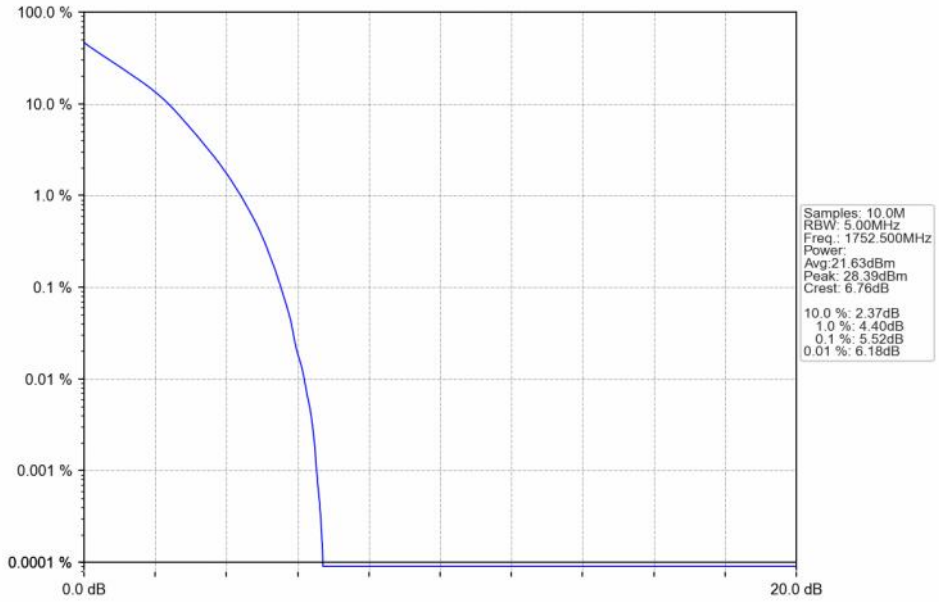
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



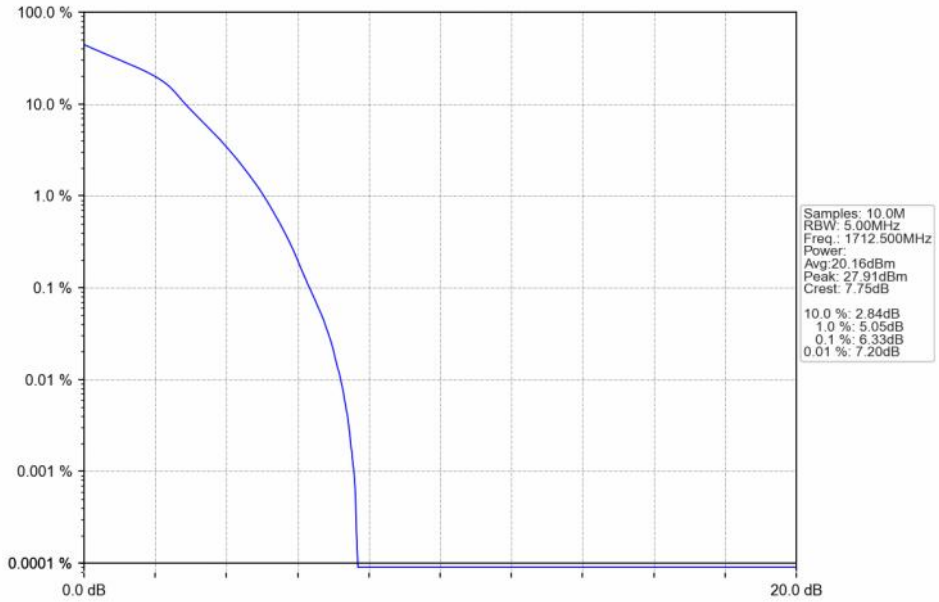
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



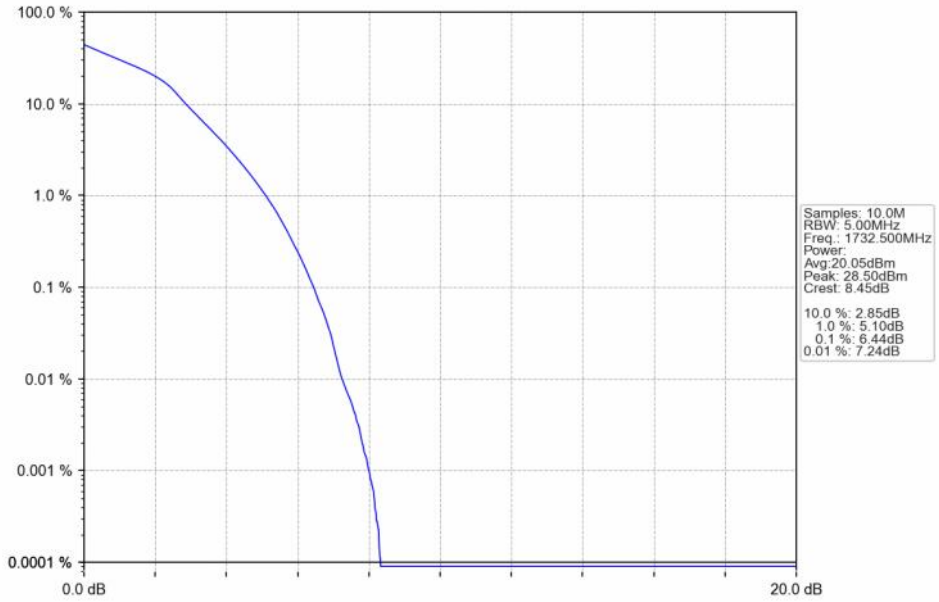
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



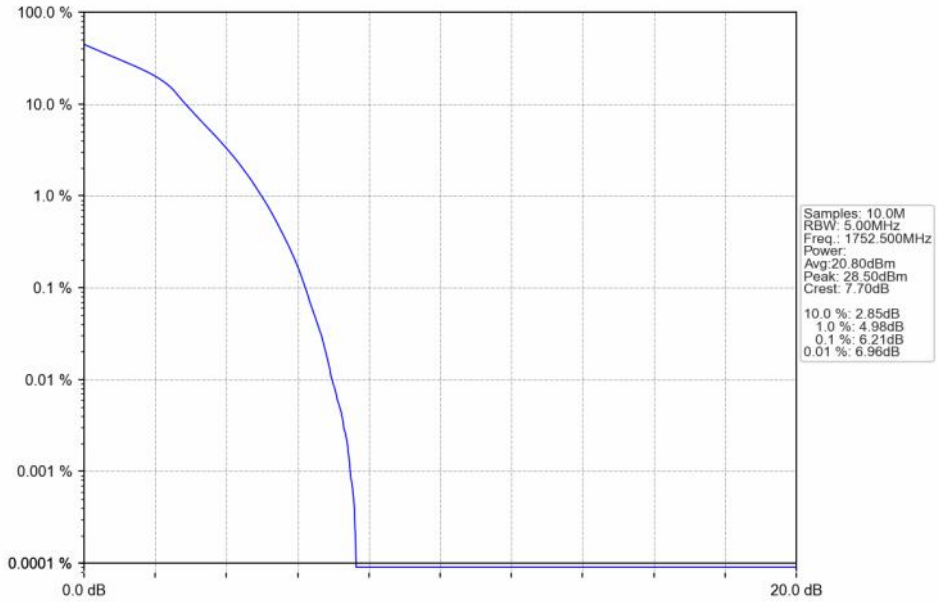
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



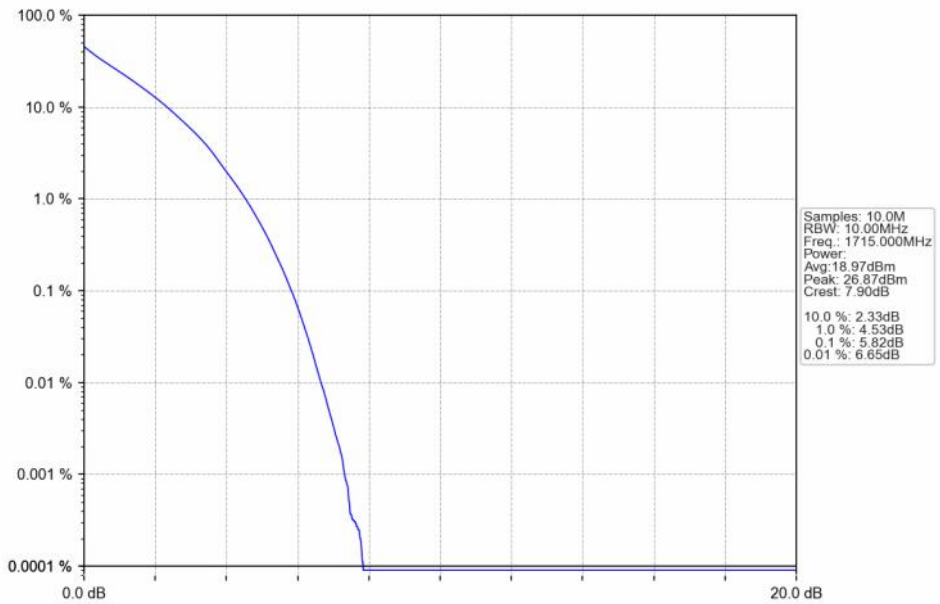
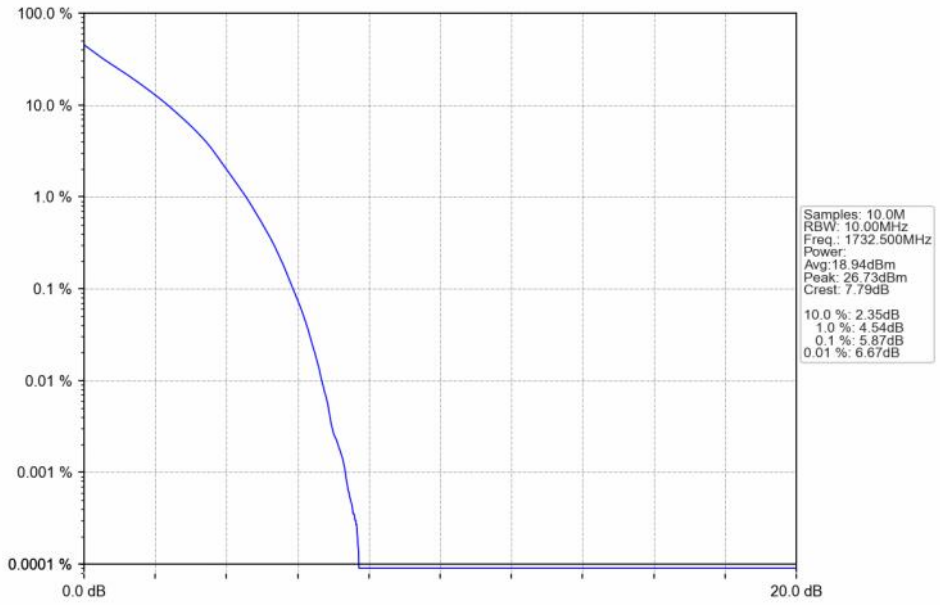
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



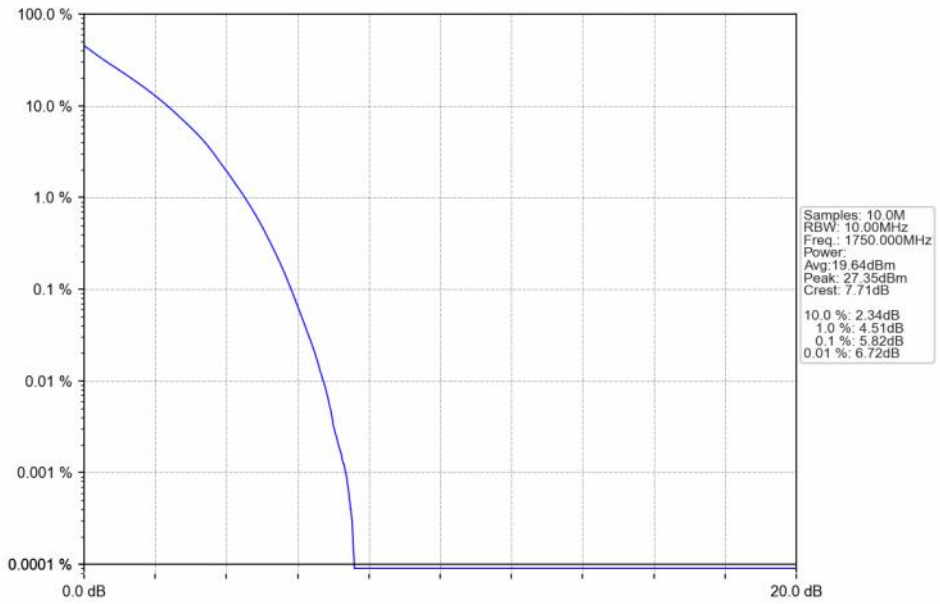
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



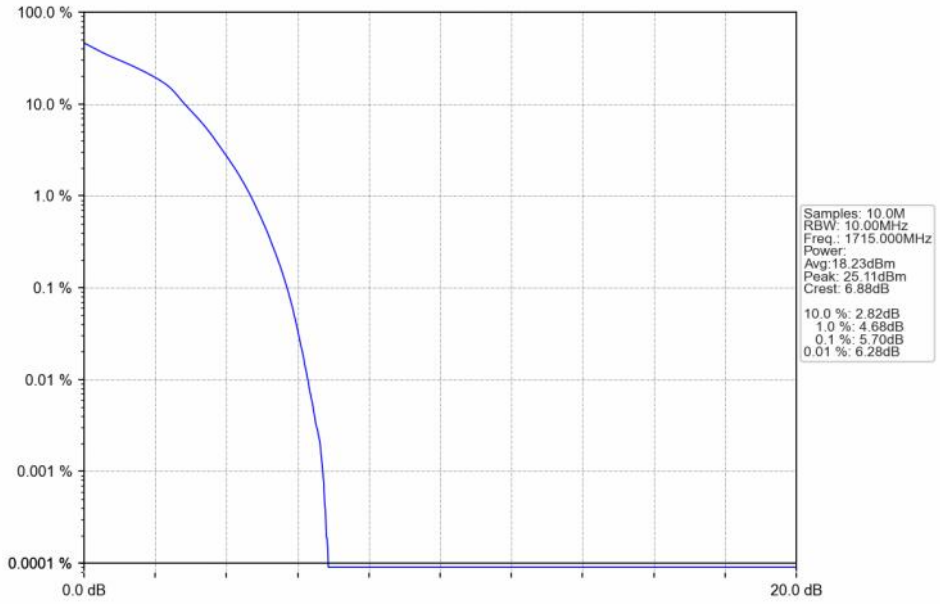
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV


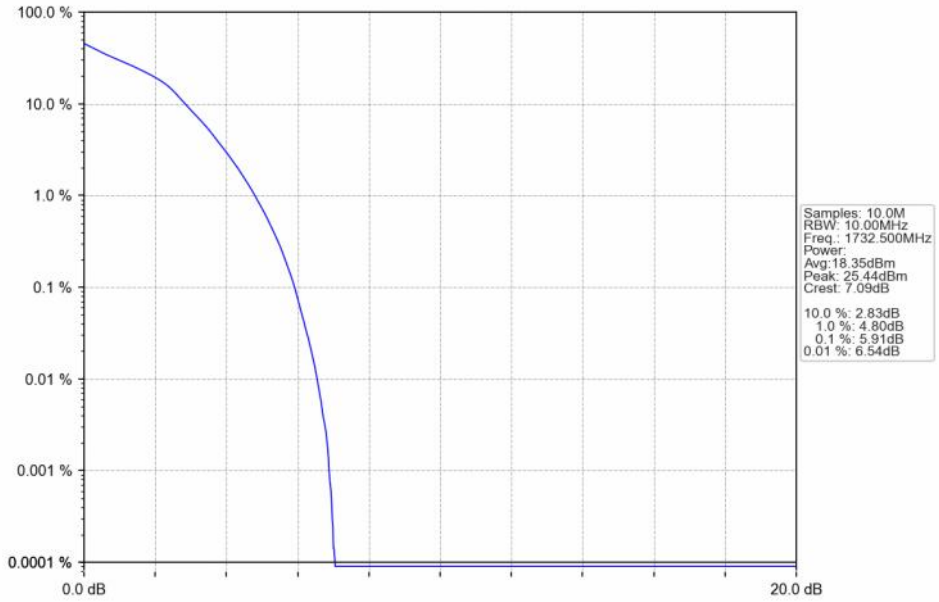
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



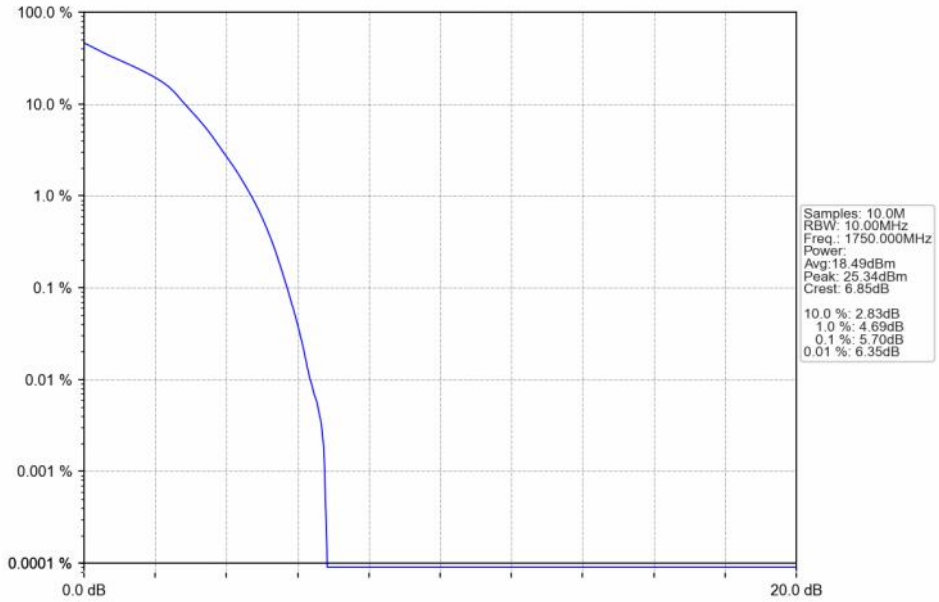
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

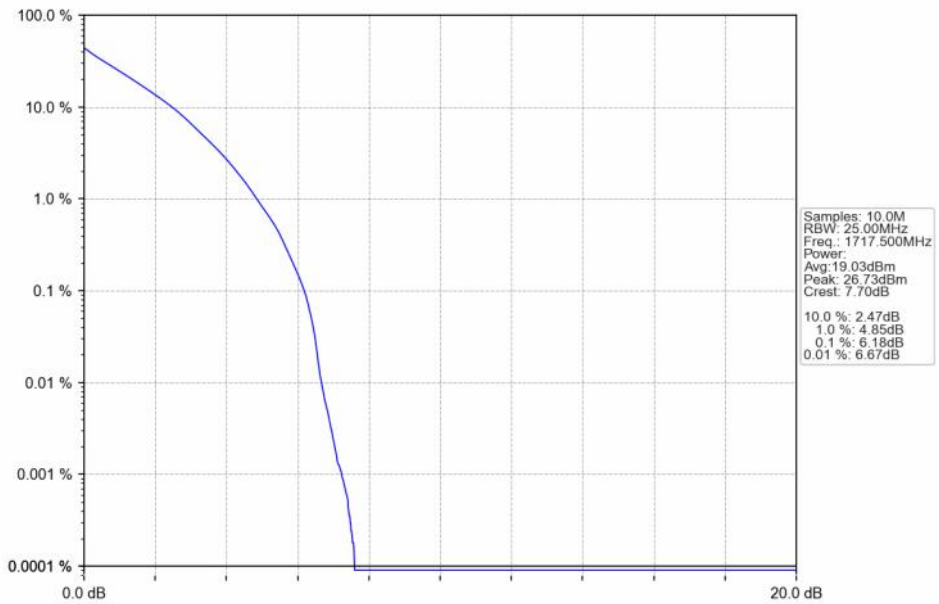


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

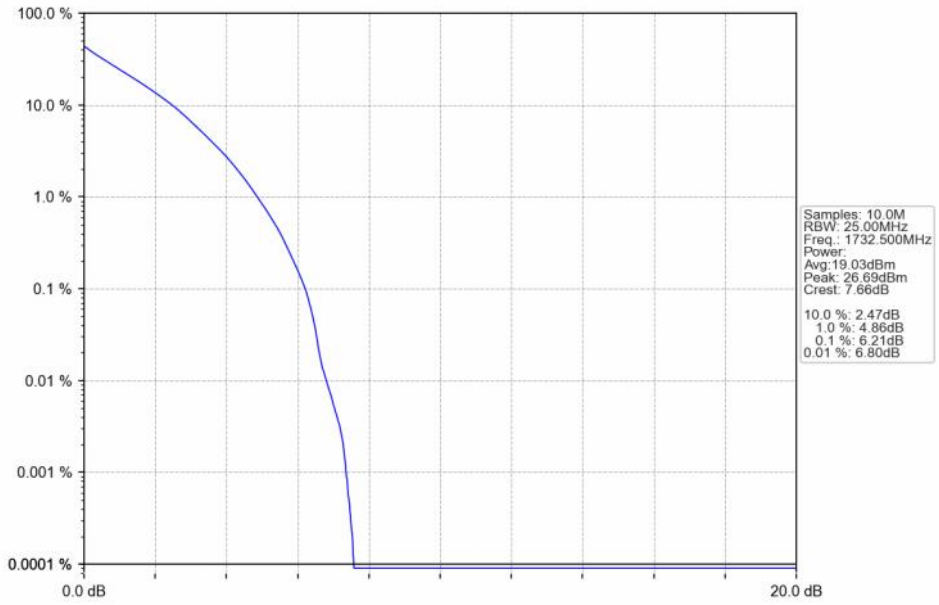


5.2.5 B4_15MHz

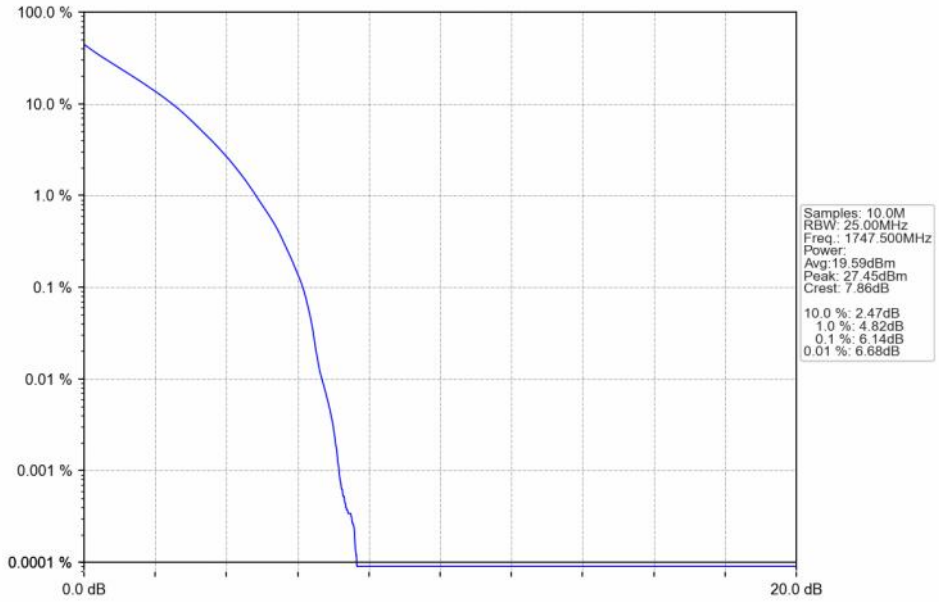
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



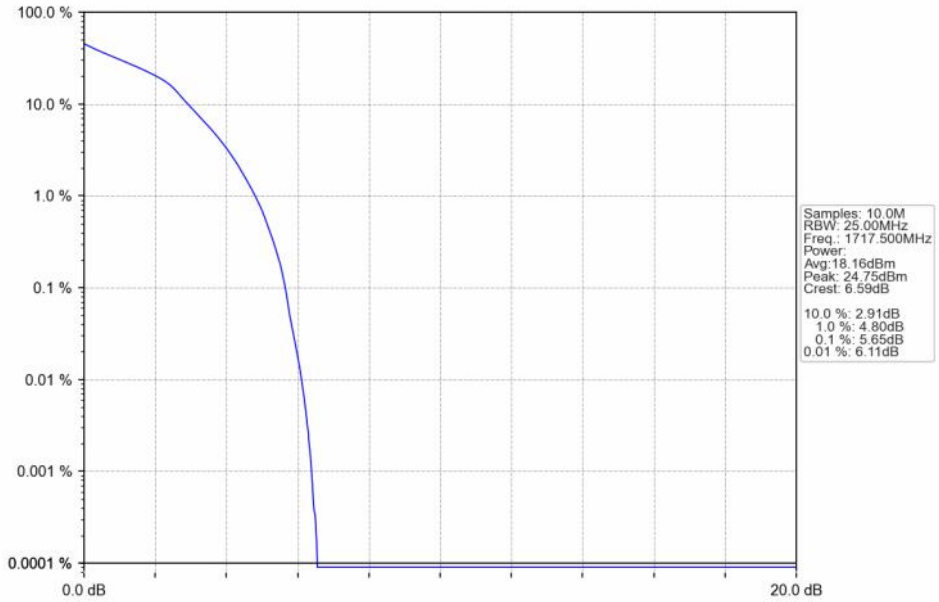
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



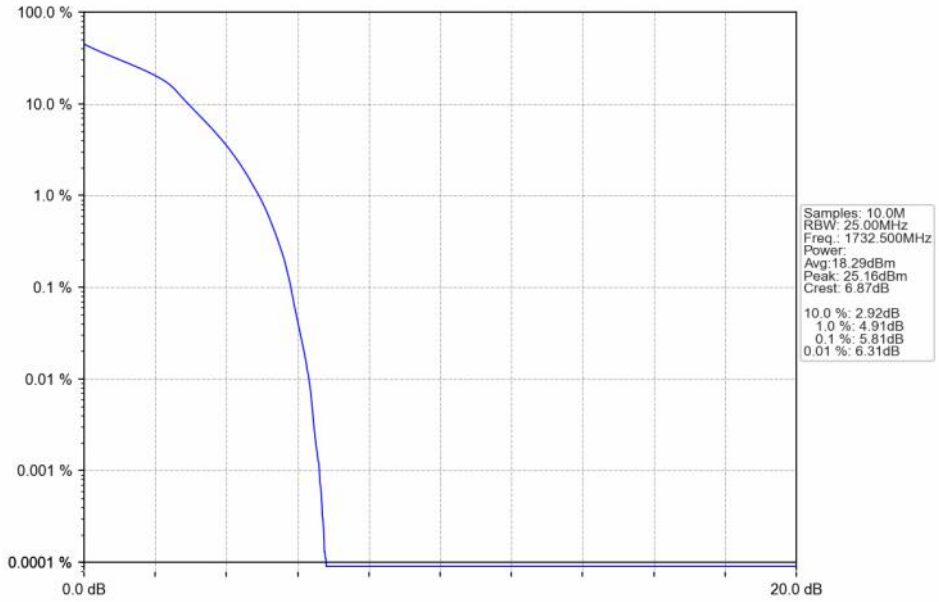
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



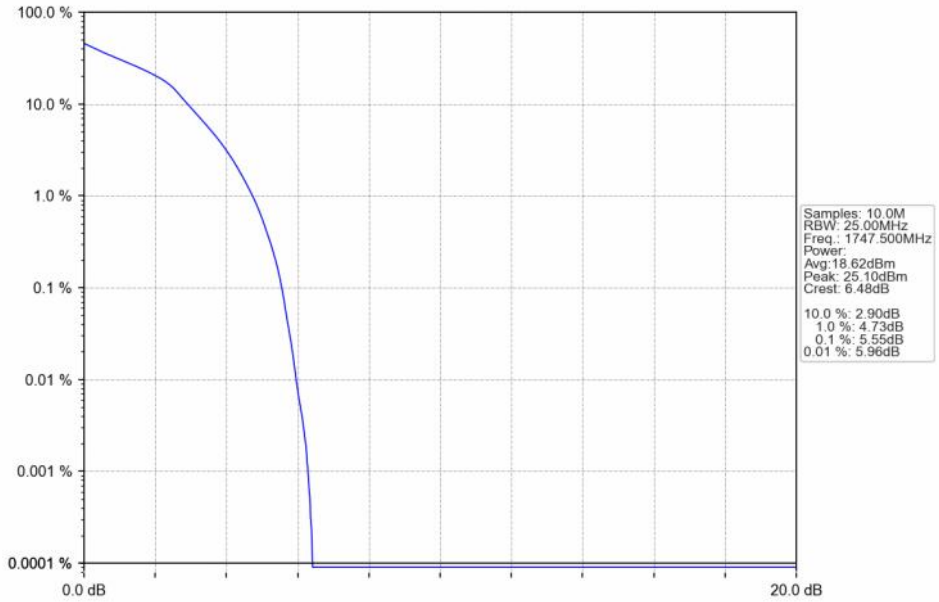
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



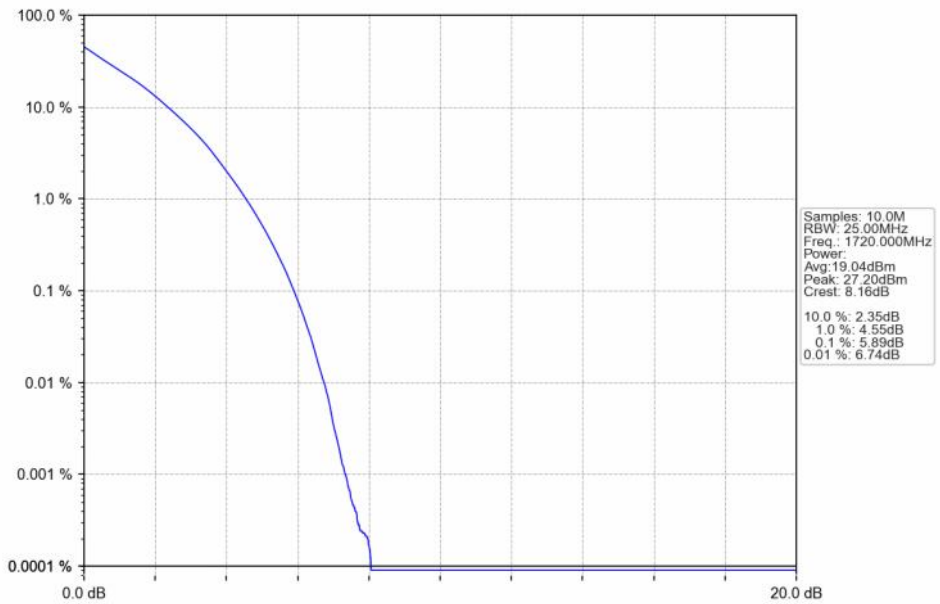
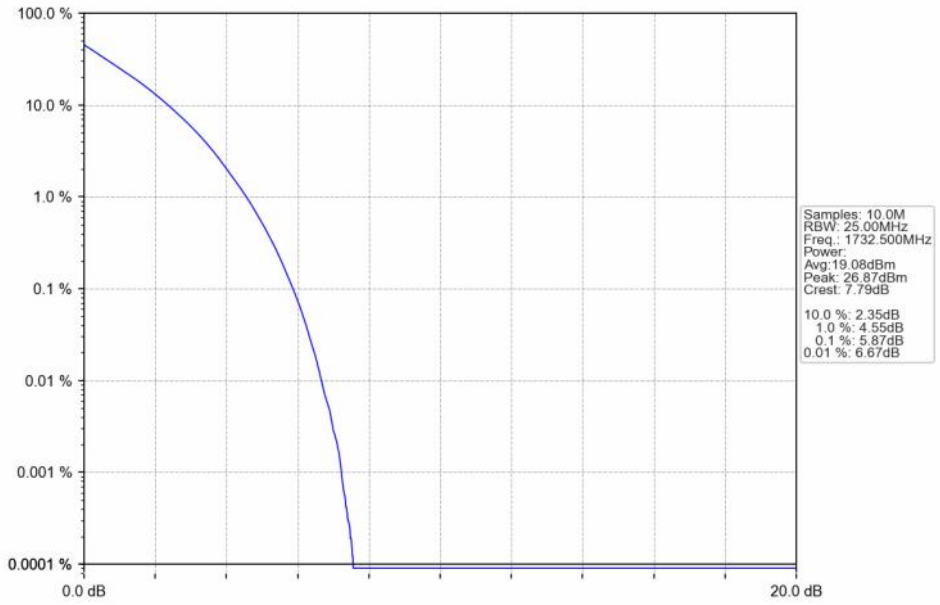
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



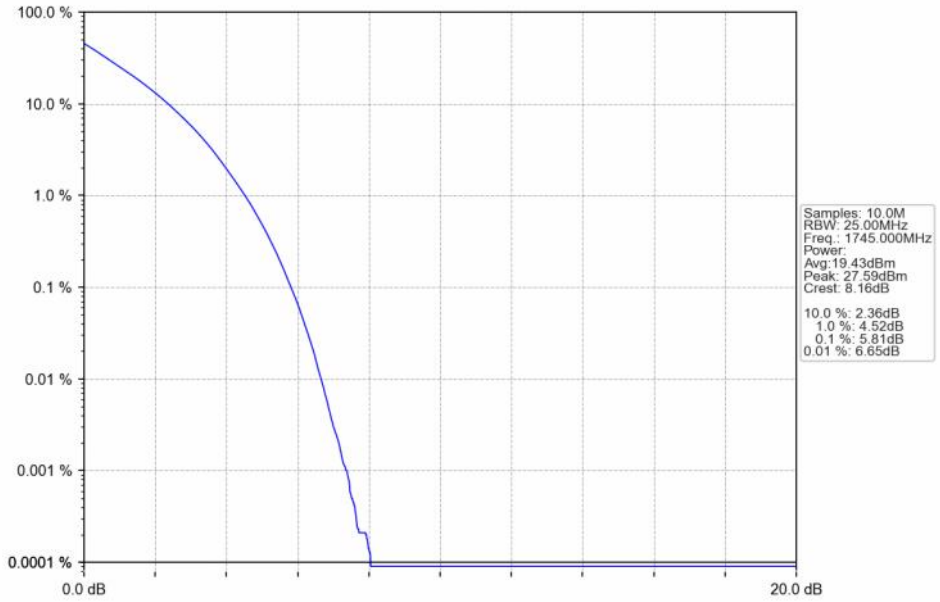
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



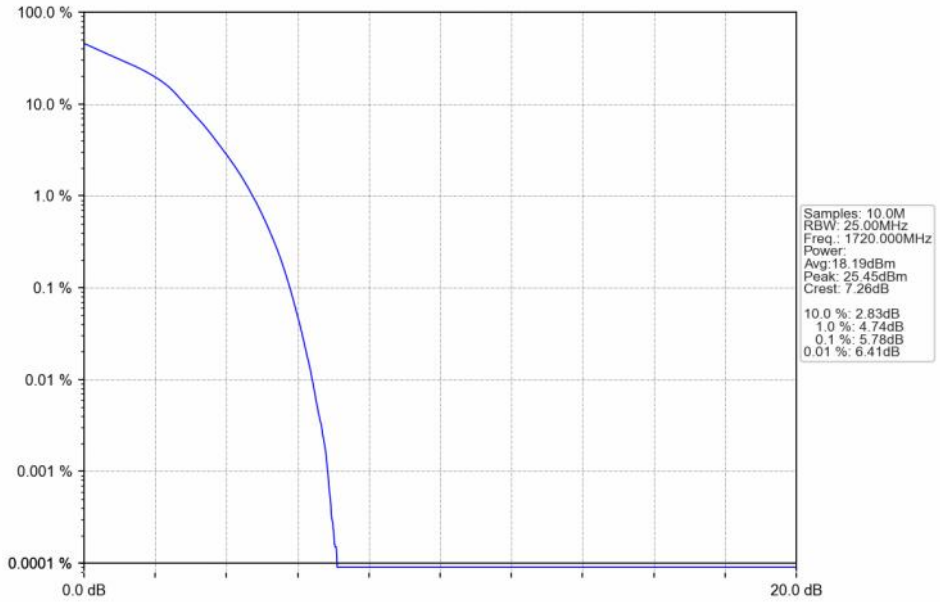
5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV


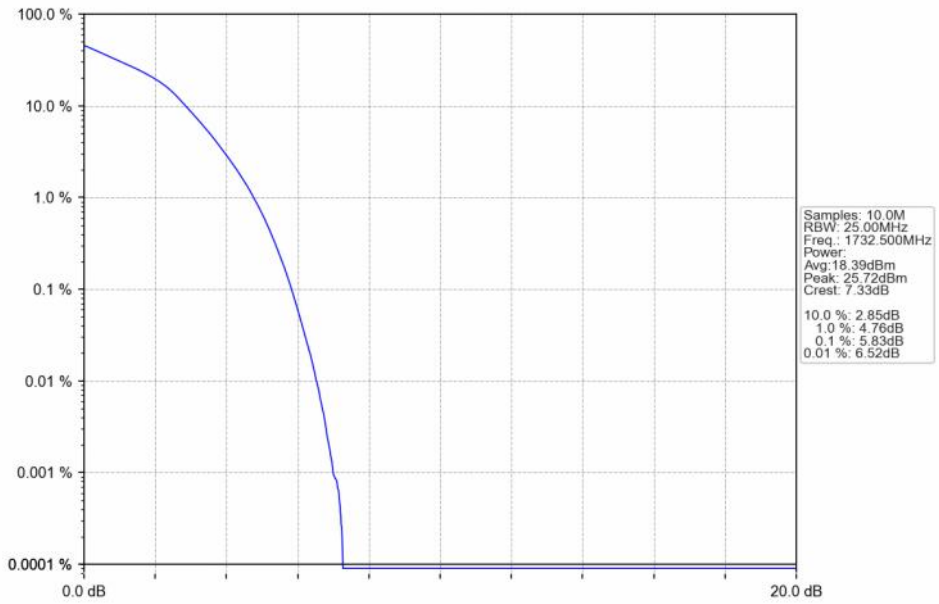
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



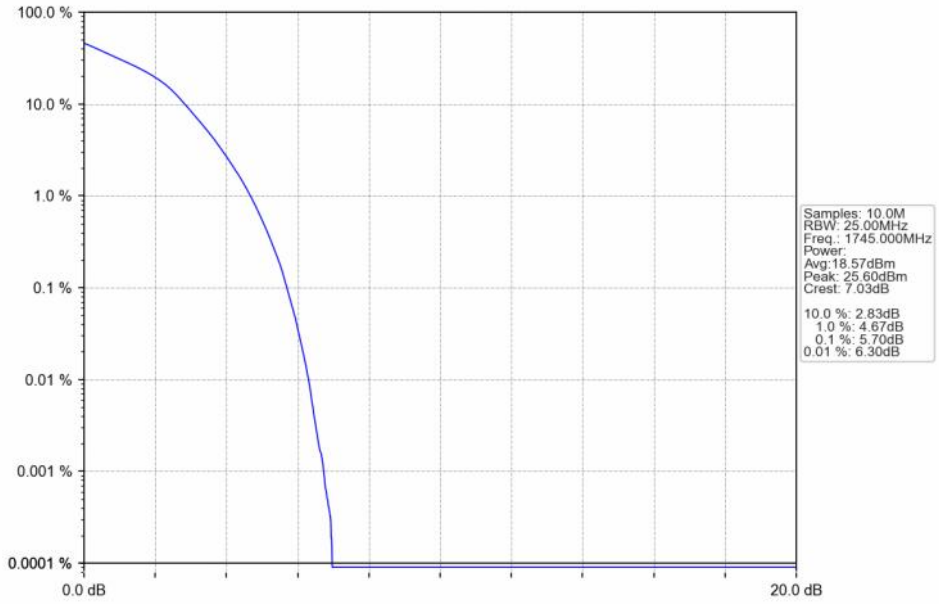
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

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

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass

		25	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.6 B4_20MHz

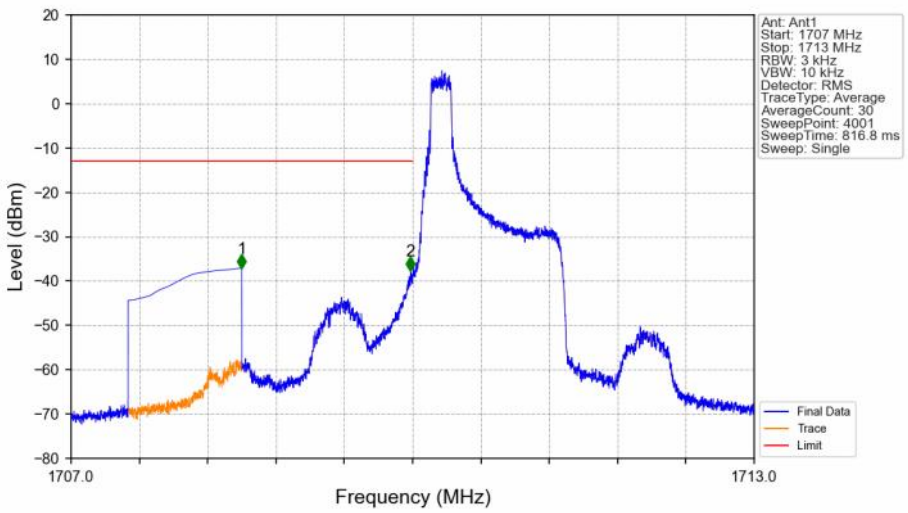
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass

		100	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

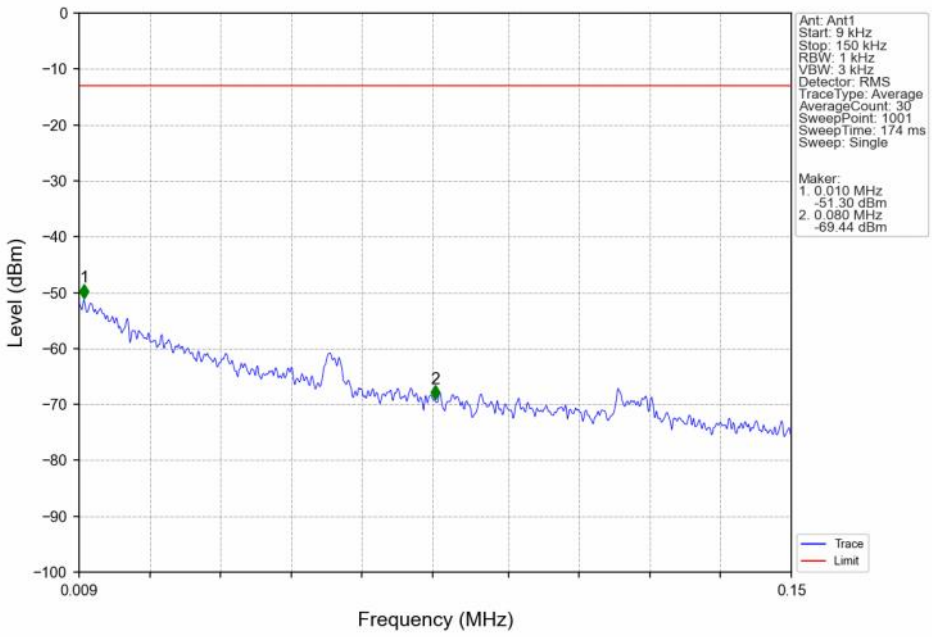
6.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

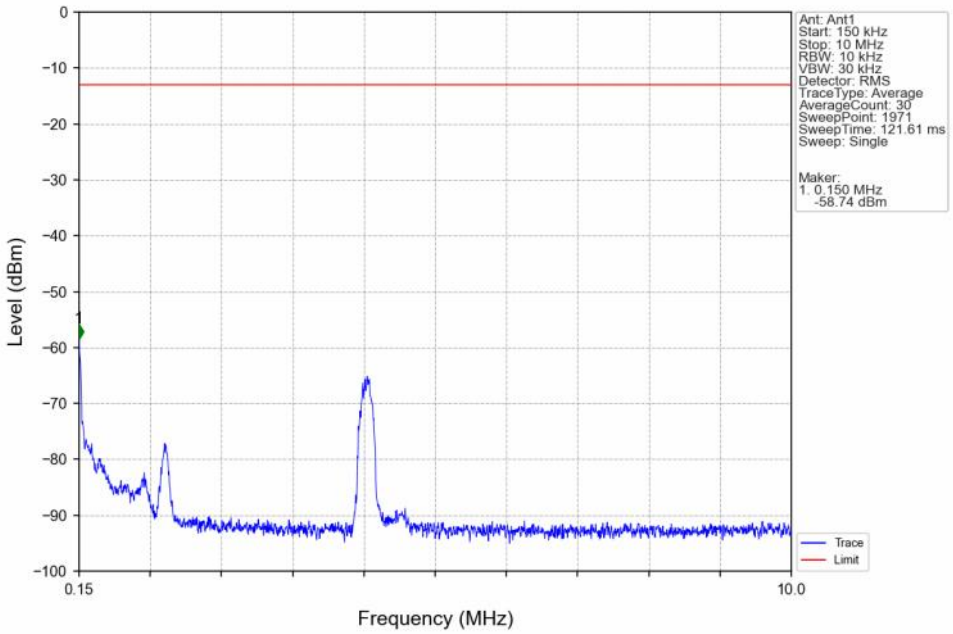


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-37.11	-13	Pass
1709	1710	0.003	/	2	1709.982	-37.71	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

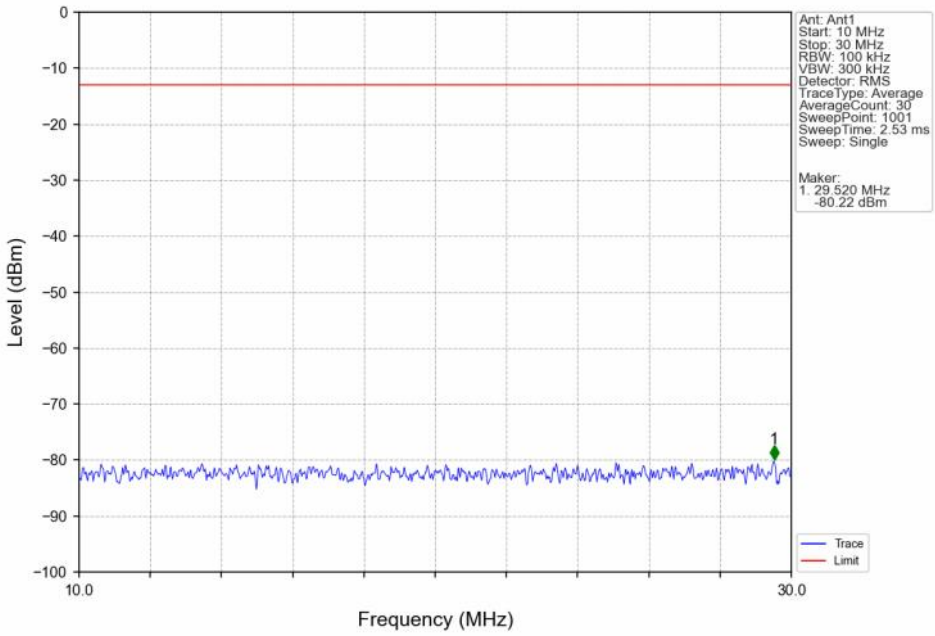
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



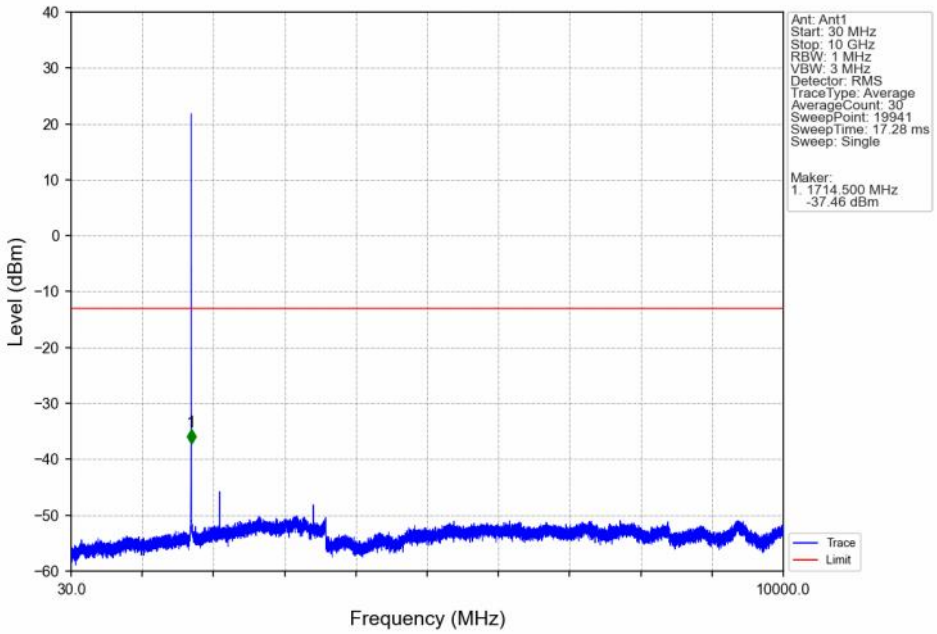
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



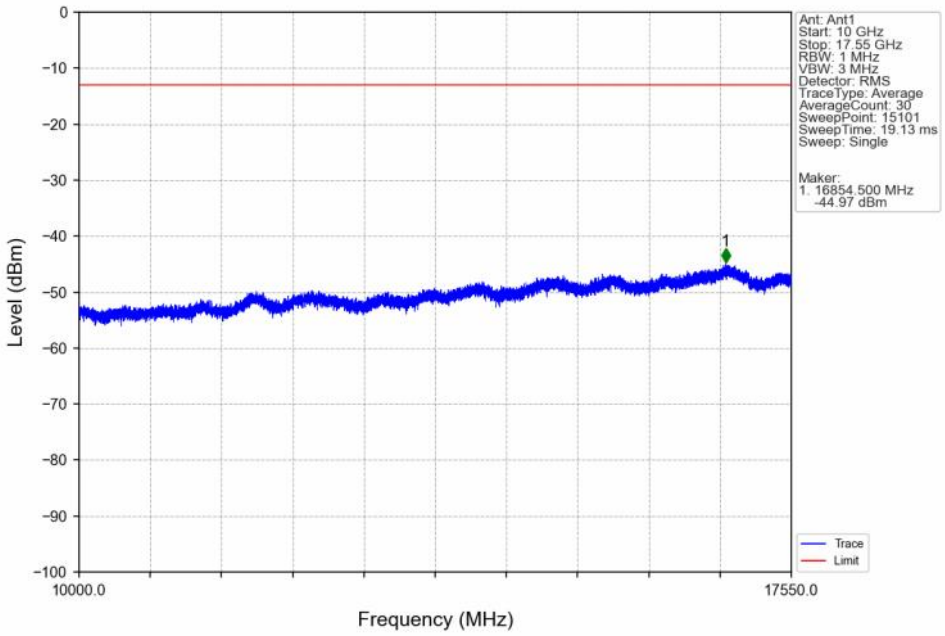
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



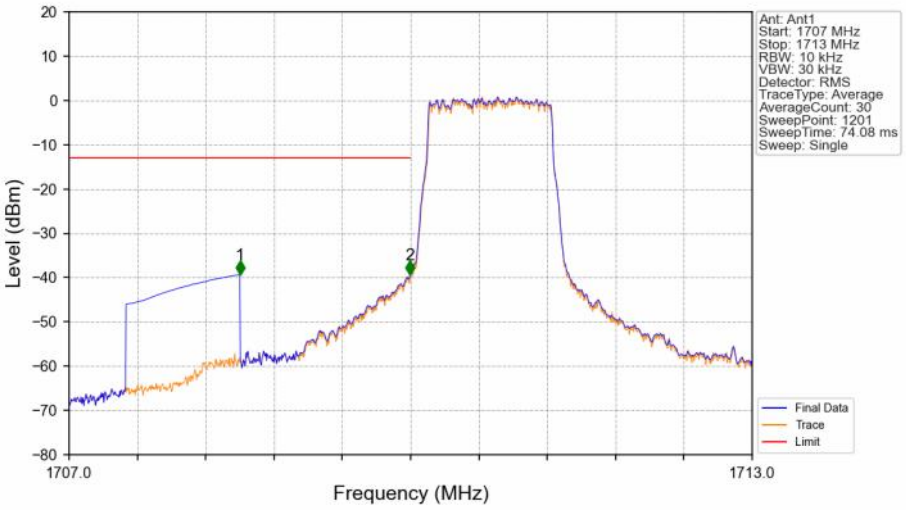
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

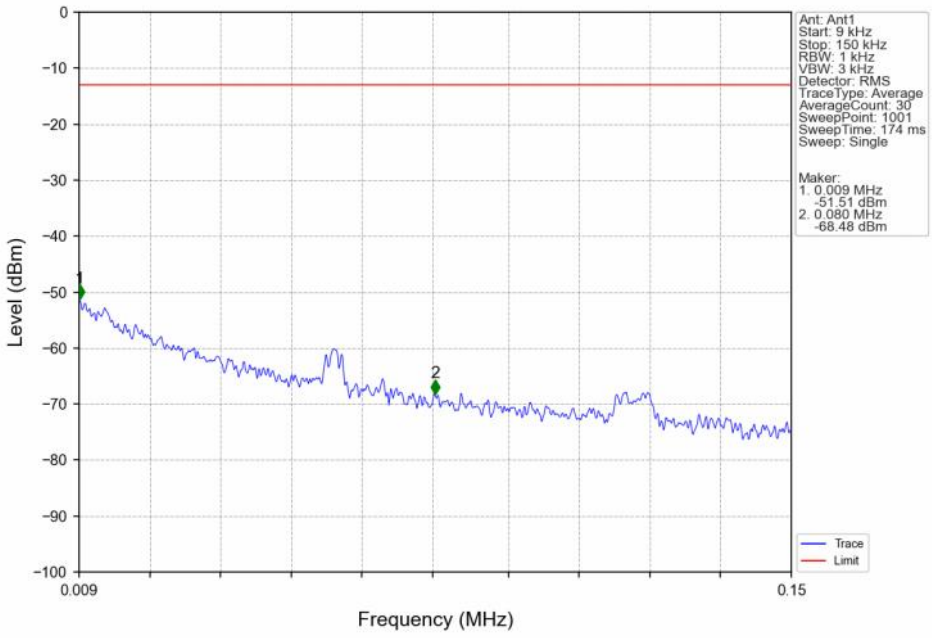


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

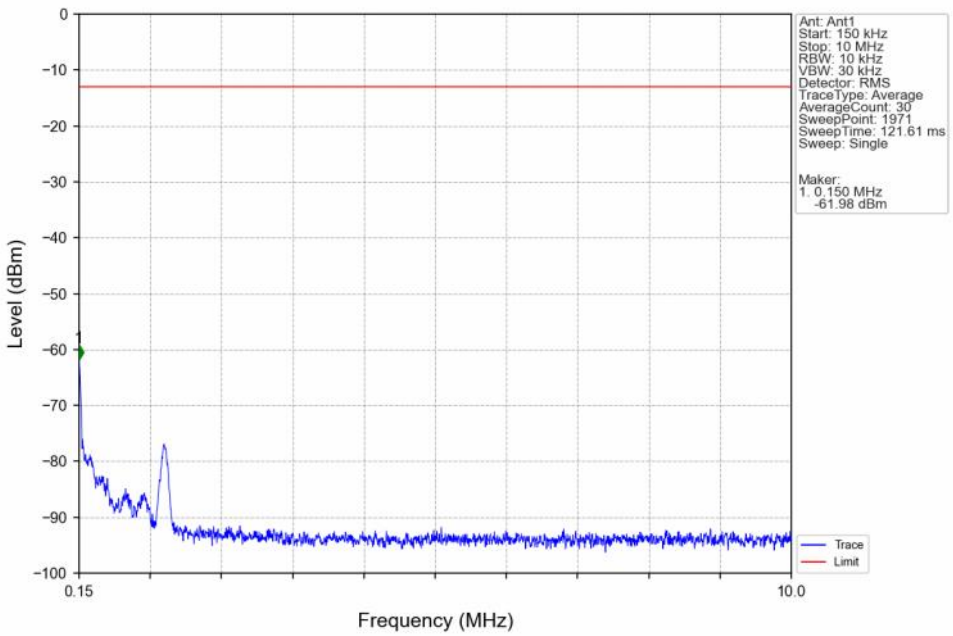


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-39.34	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-39.33	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

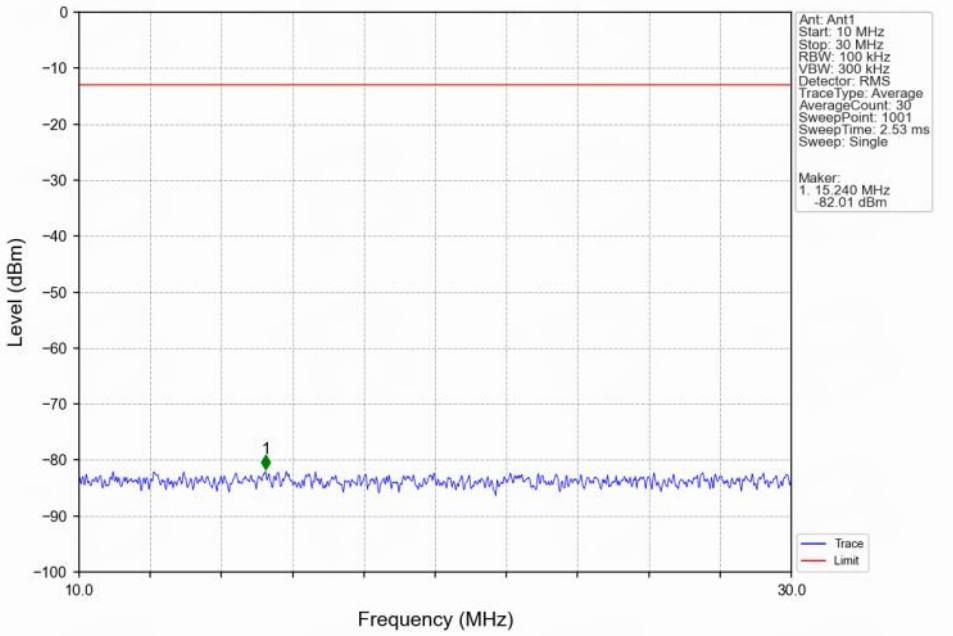
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



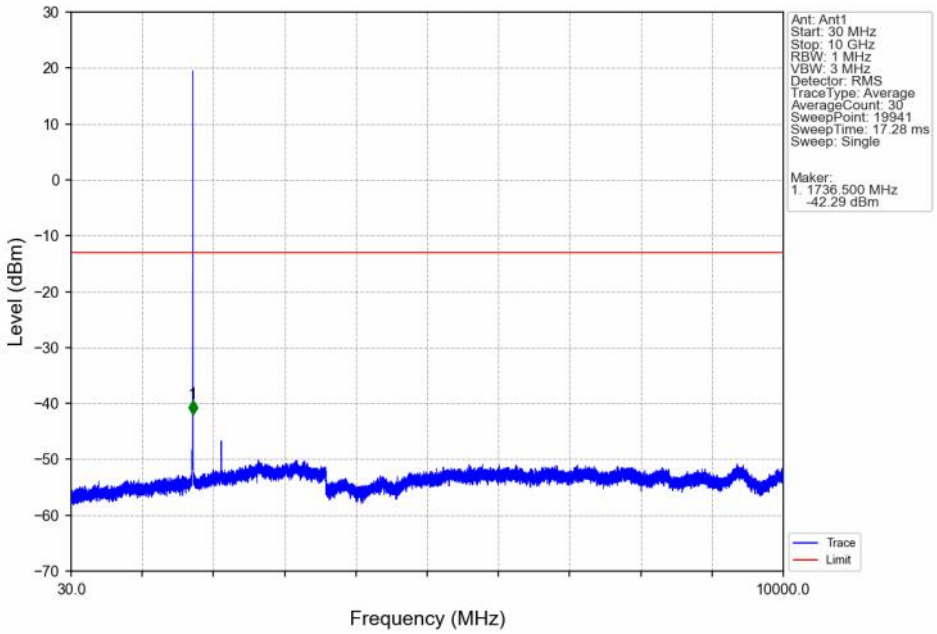
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



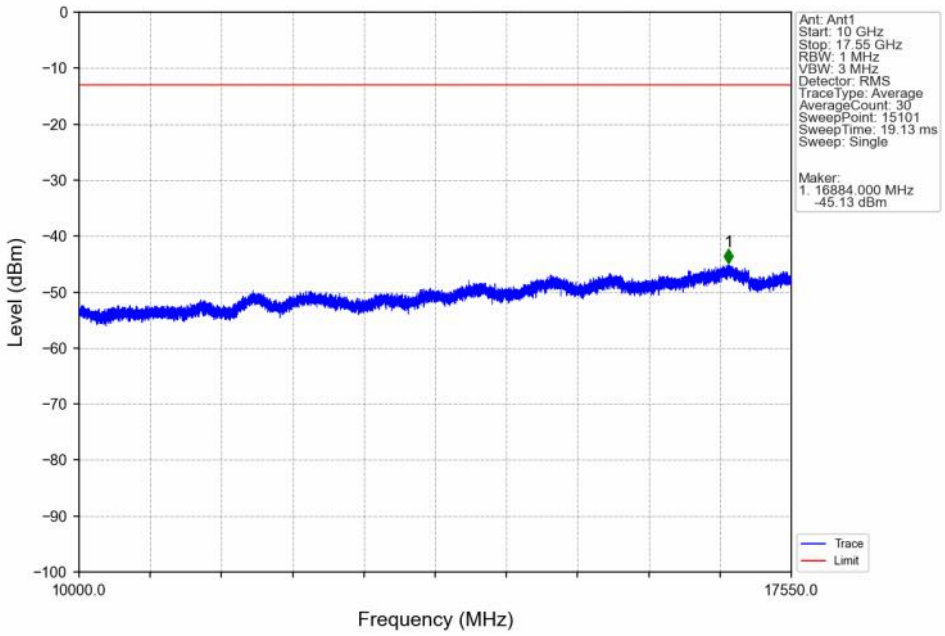
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



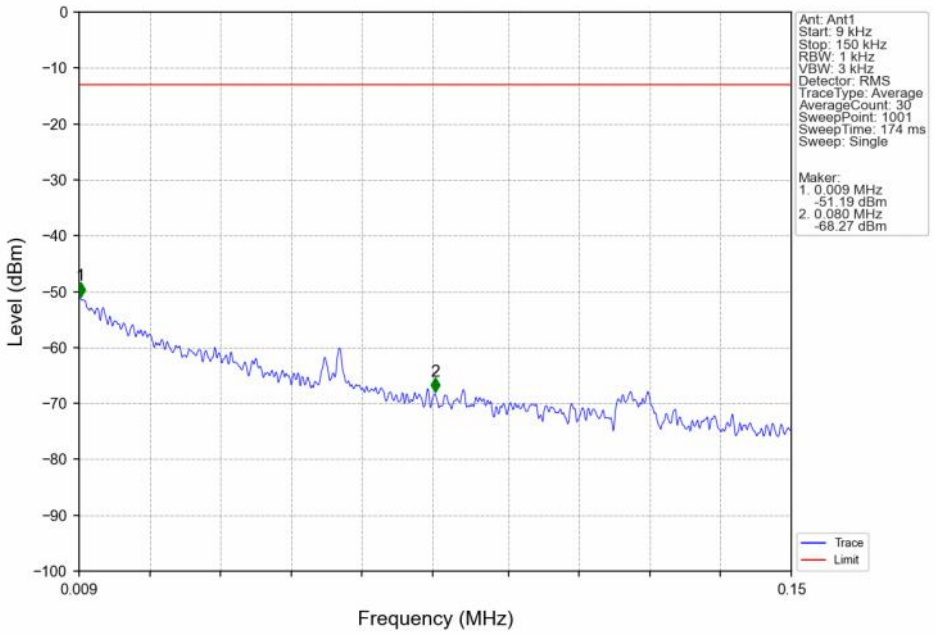
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



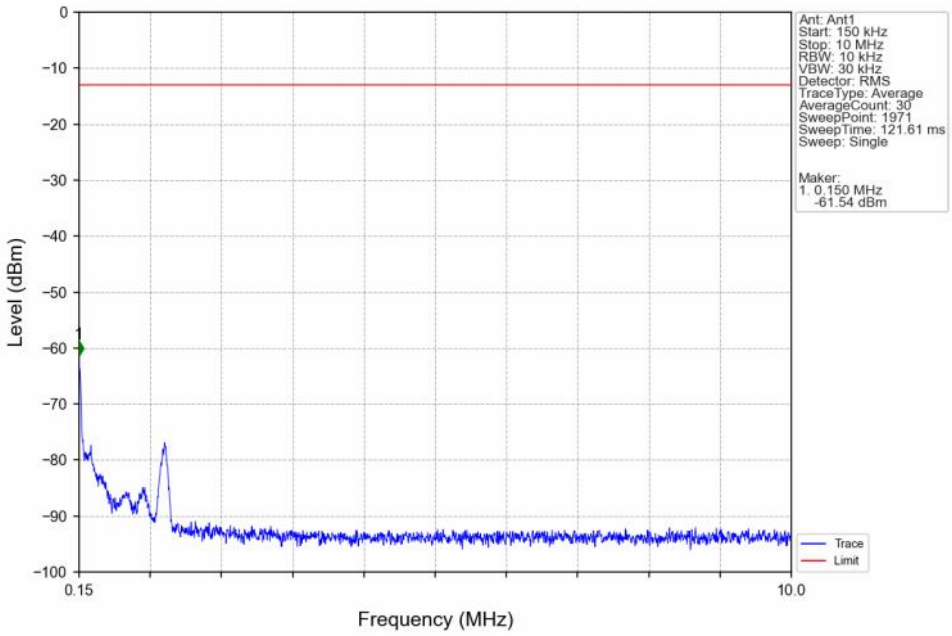
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



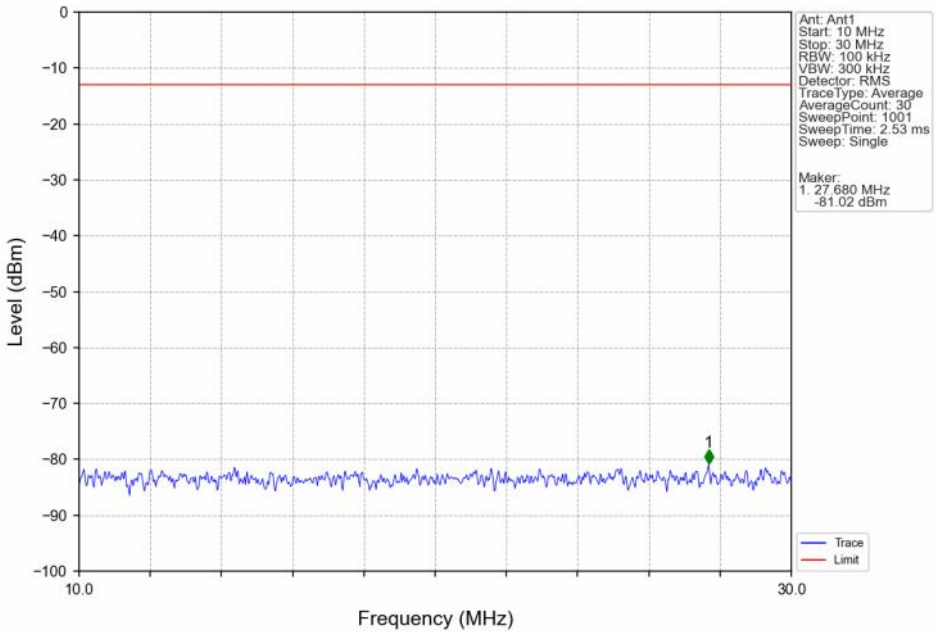
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



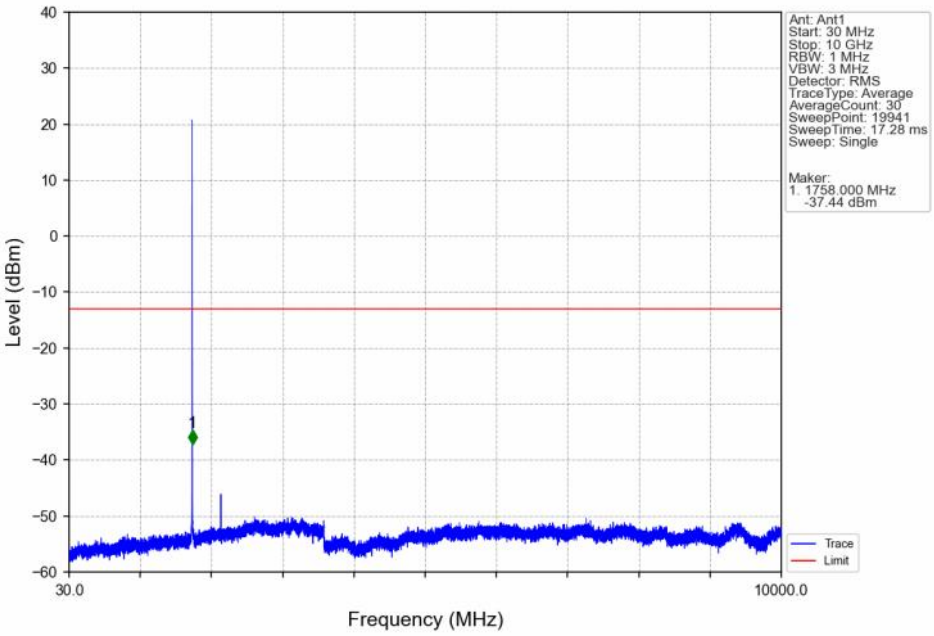
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



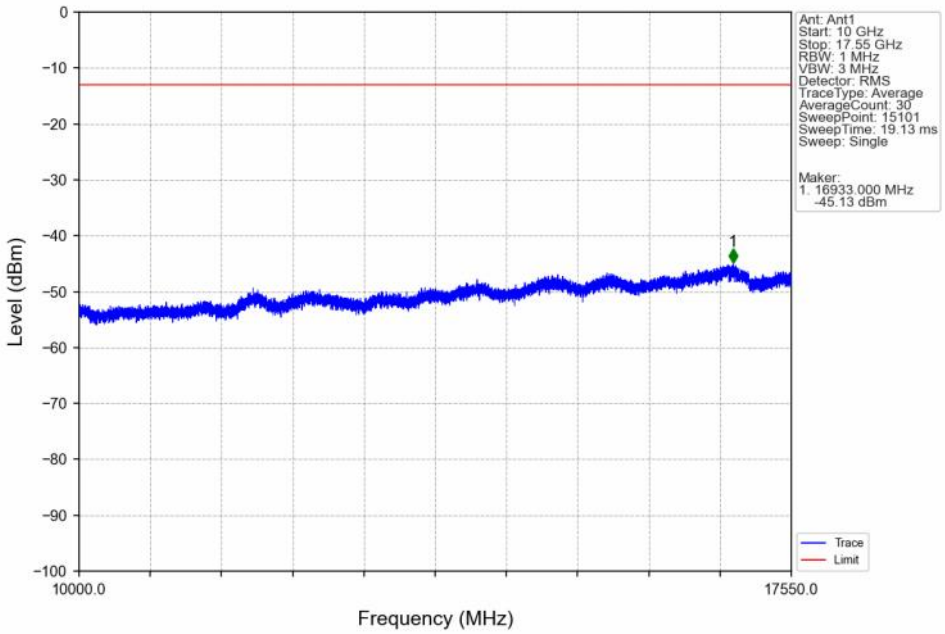
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



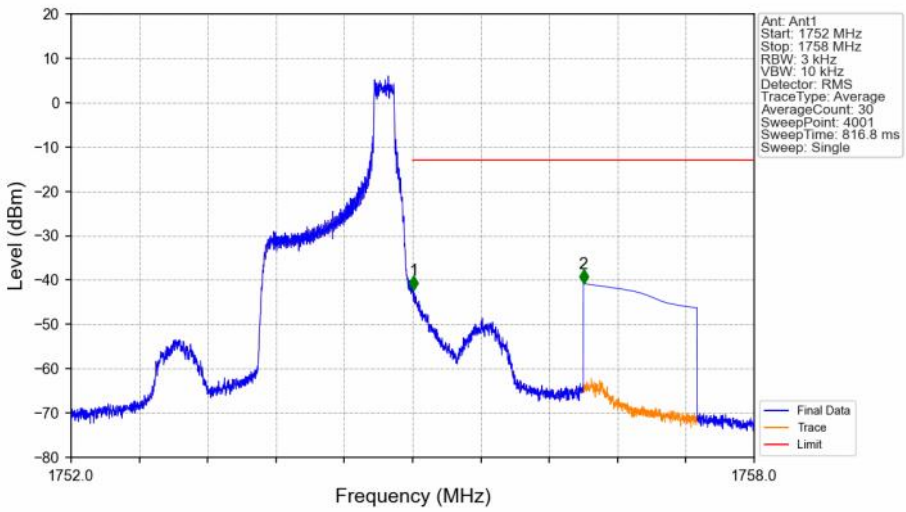
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

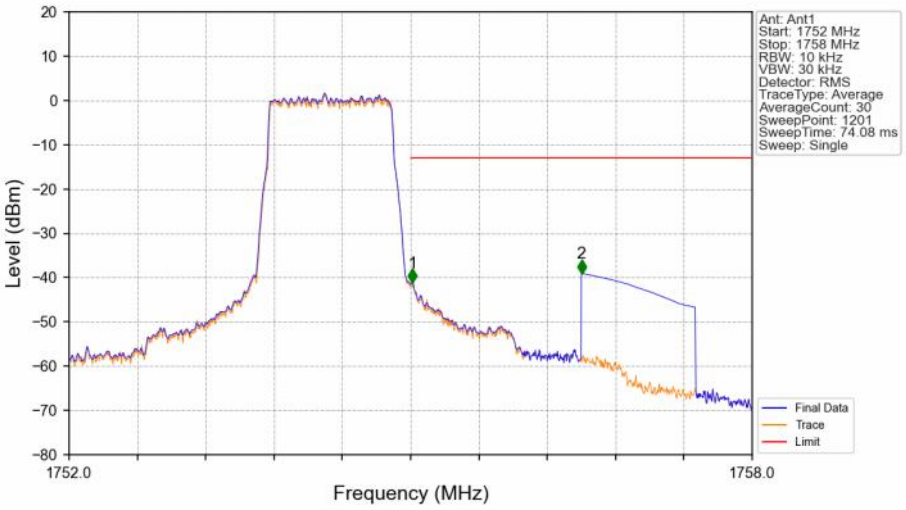


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



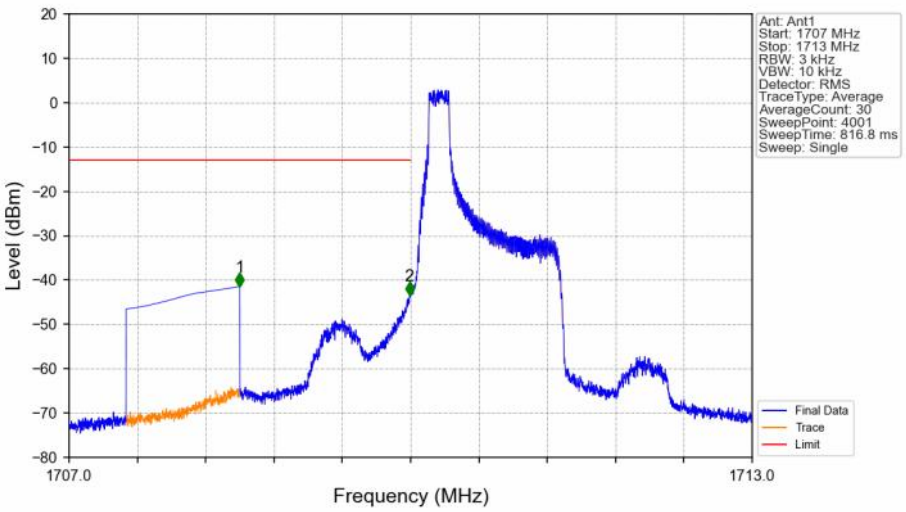
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.011	-42.26	-13	Pass
1756	1758	1	CHP	2	1756.500	-40.83	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



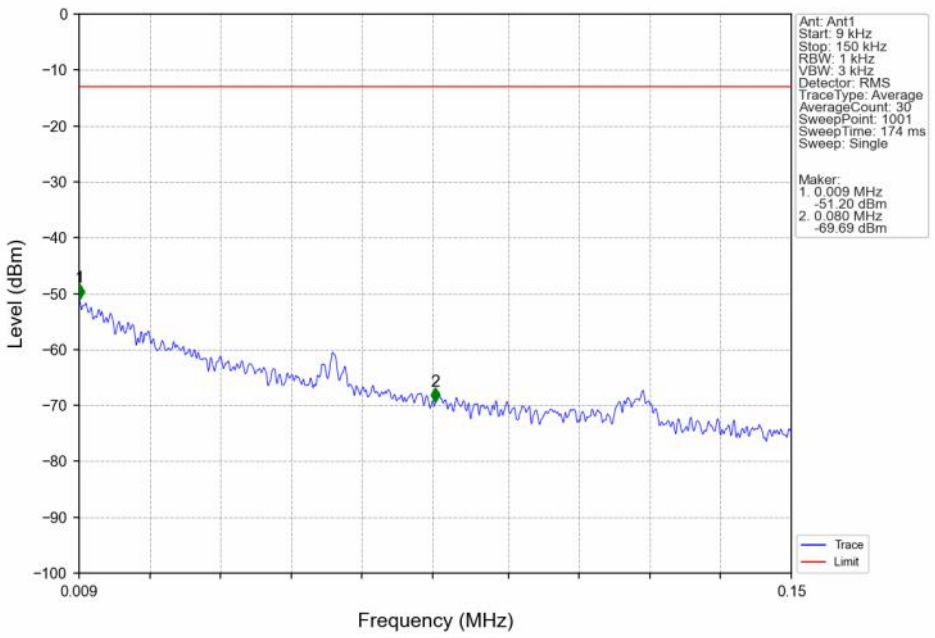
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.015	-41.23	-13	Pass
1756	1758	1	CHP	2	1756.500	-39.05	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

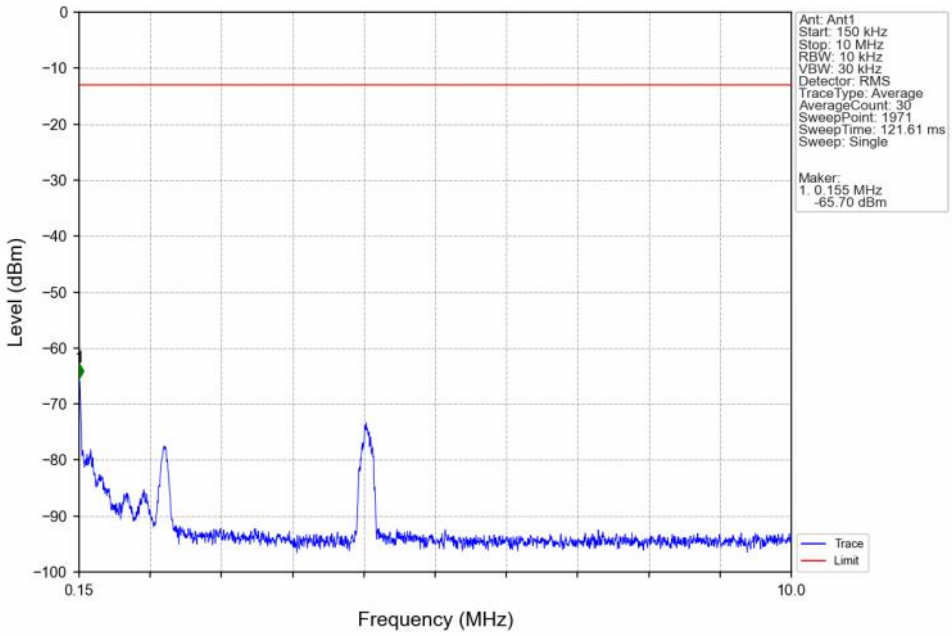


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-41.46	-13	Pass
1709	1710	0.003	/	2	1709.989	-43.56	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

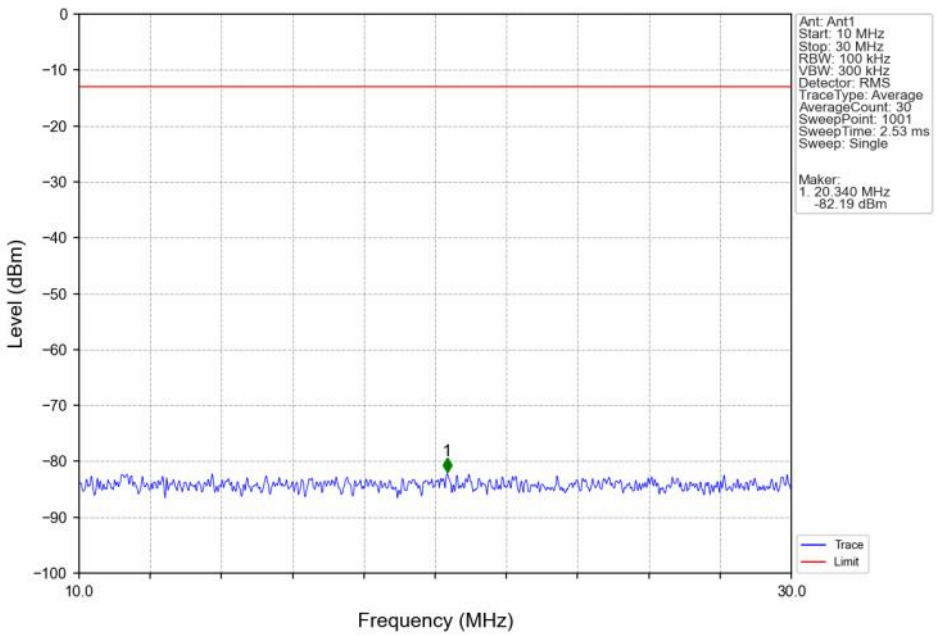
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



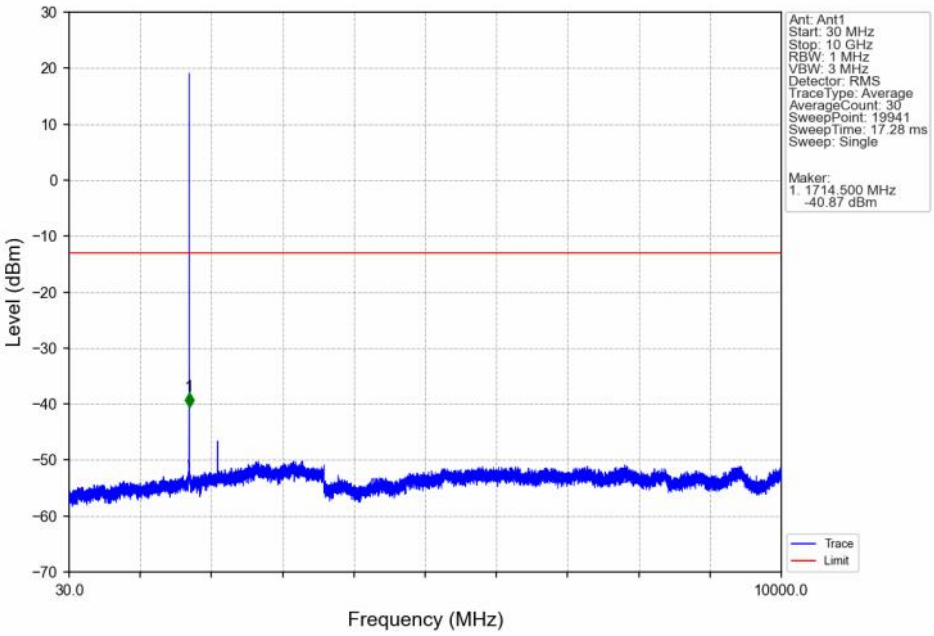
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



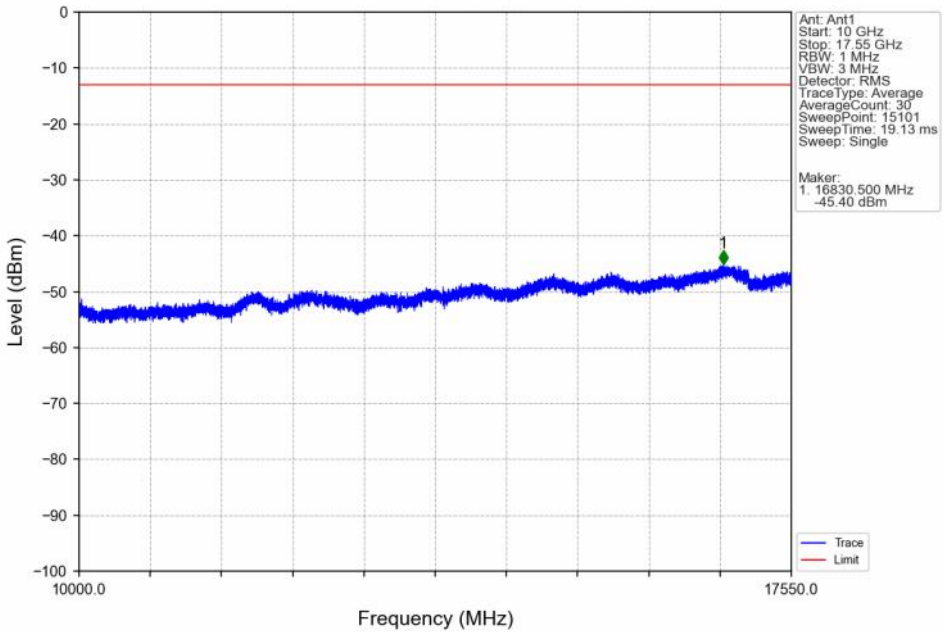
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



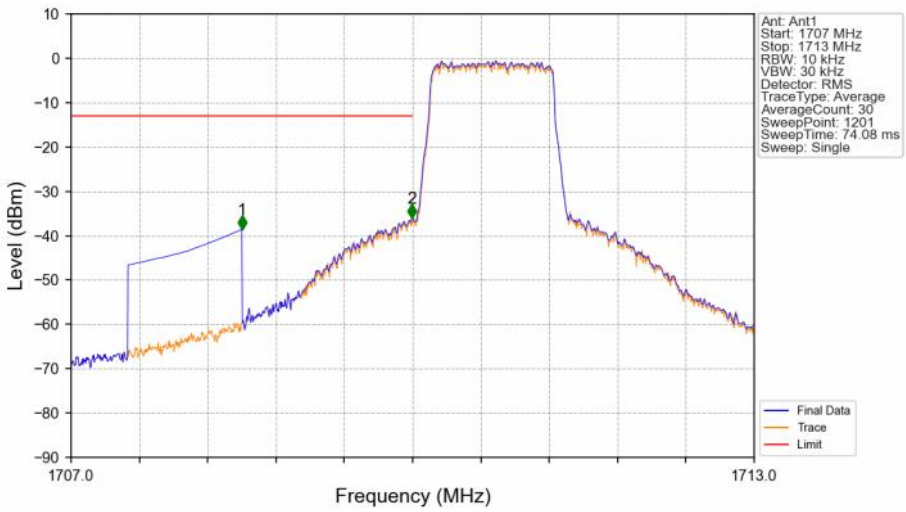
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

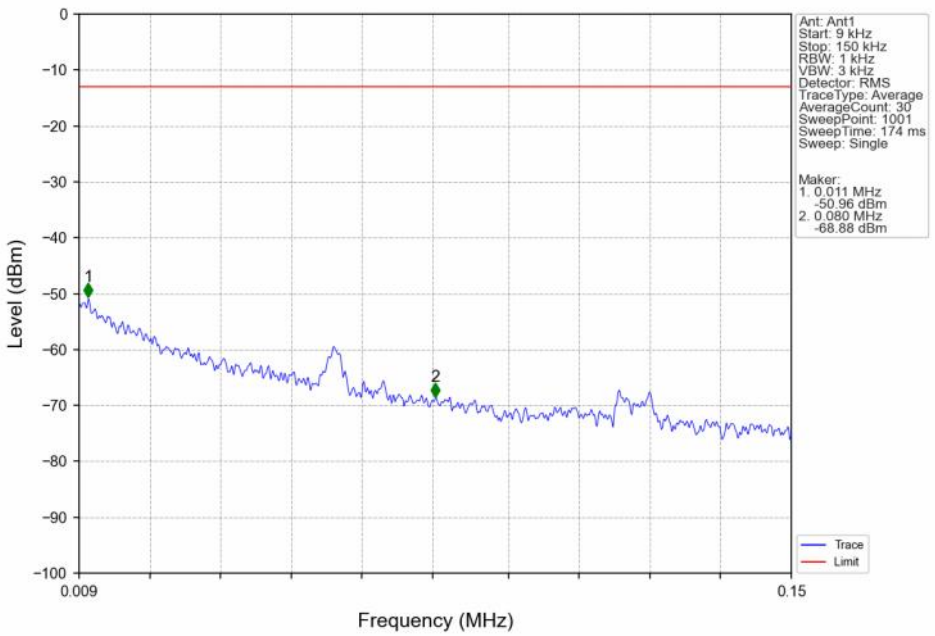


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

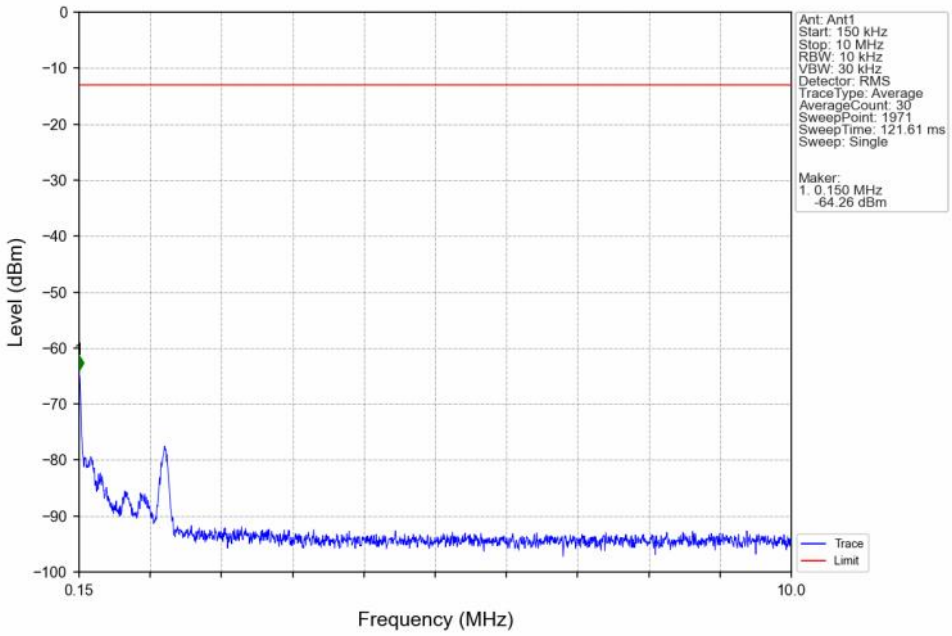


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-38.55	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-35.99	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

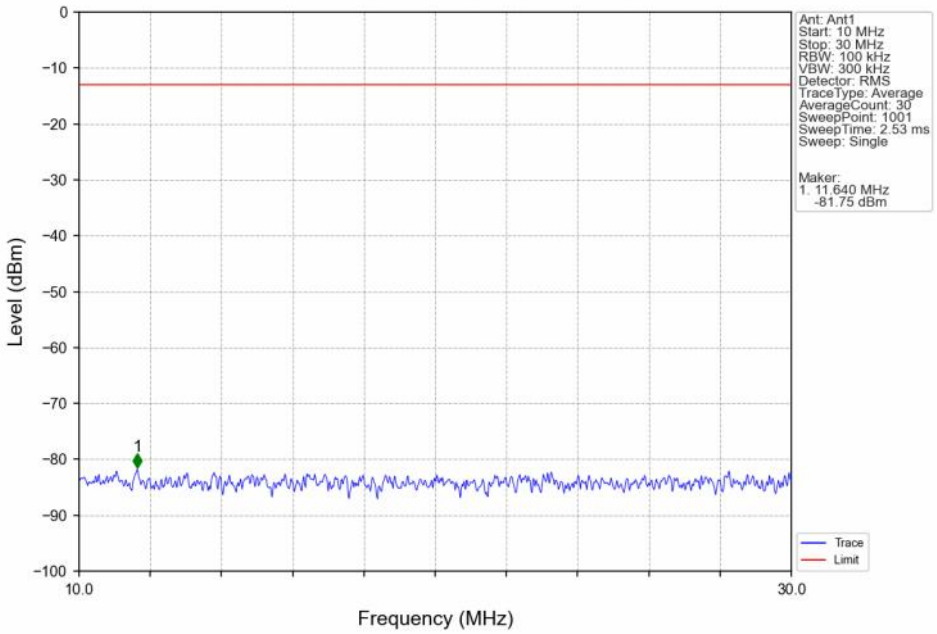
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



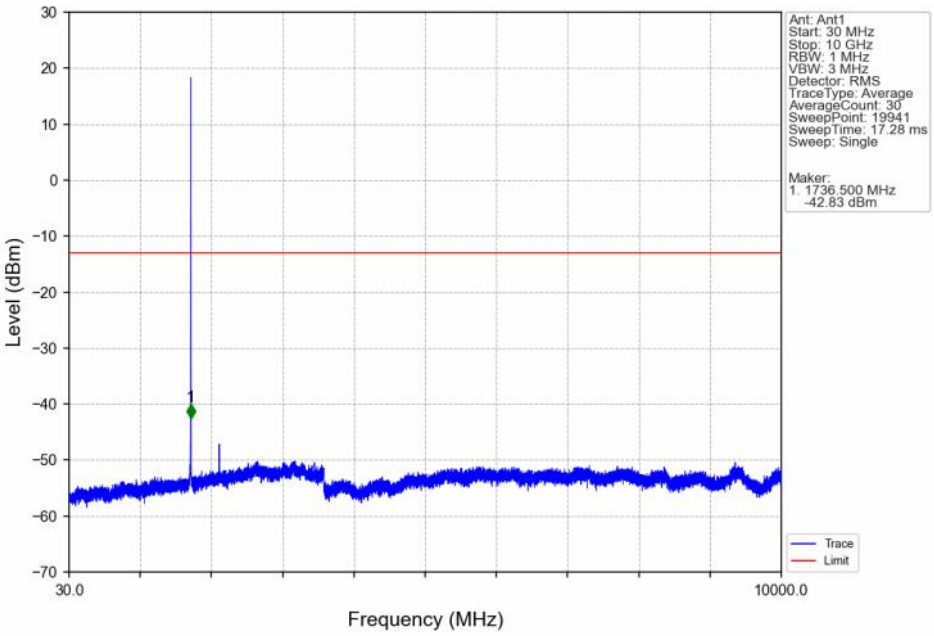
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



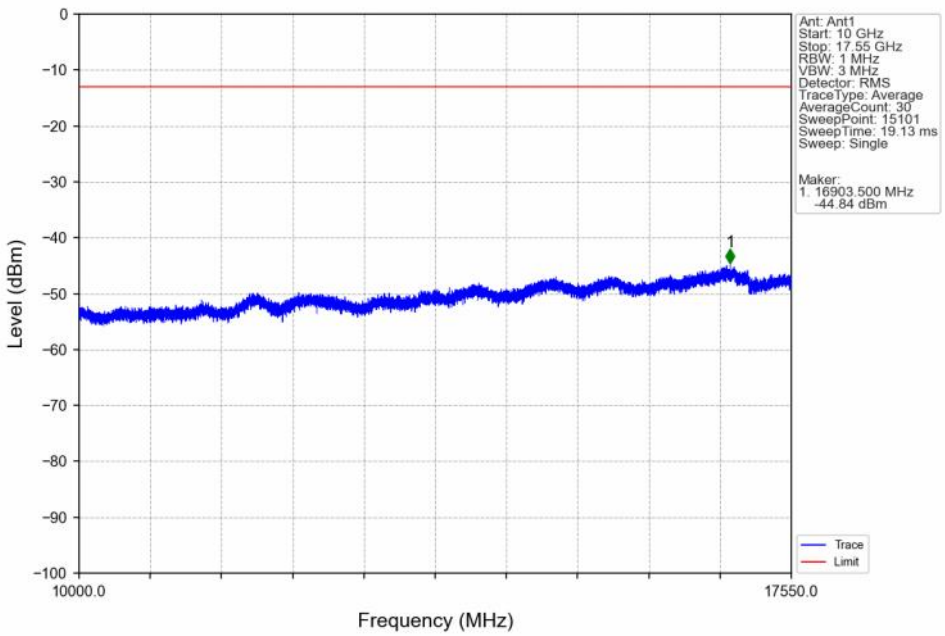
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



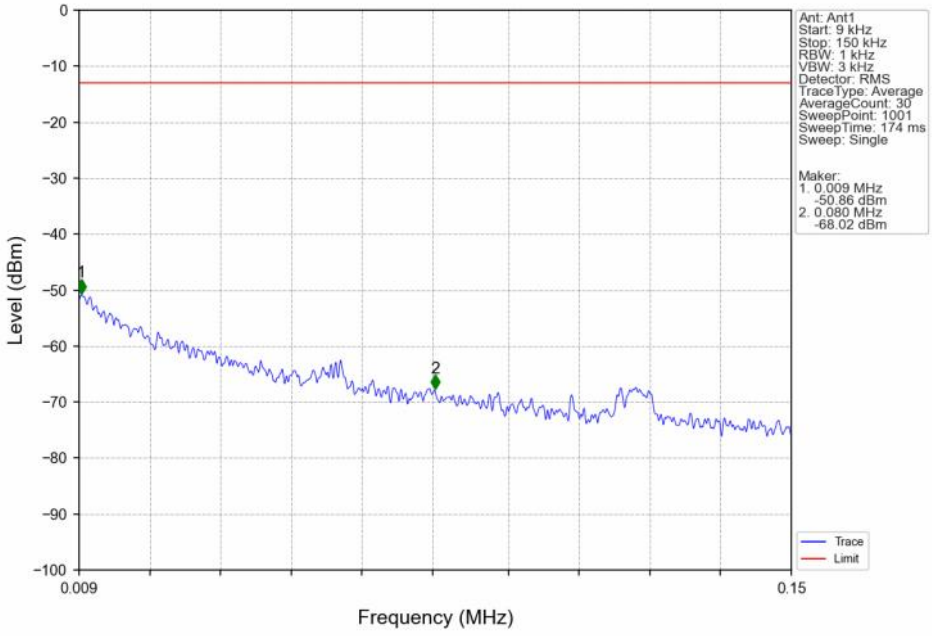
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



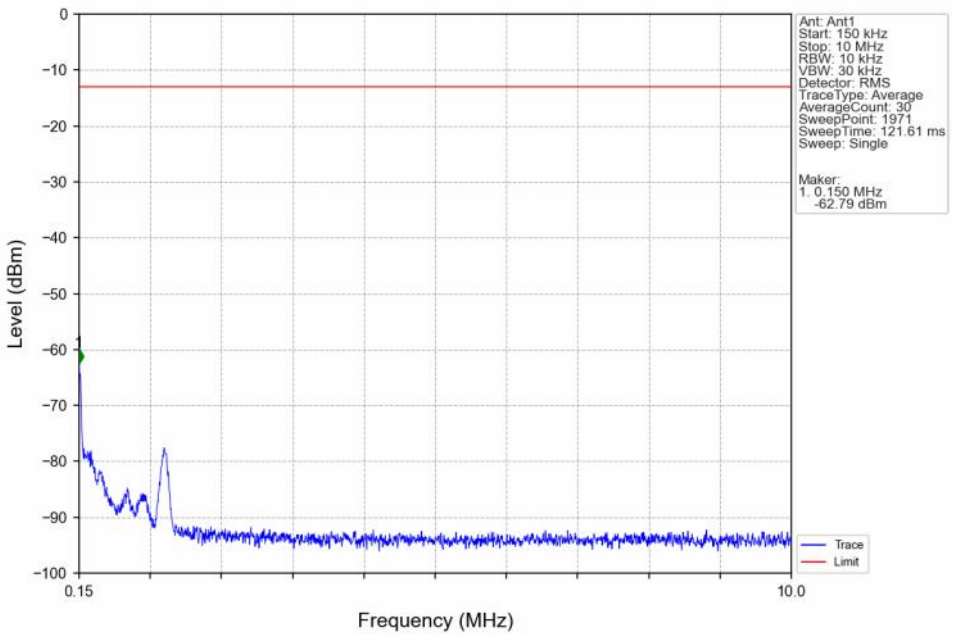
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



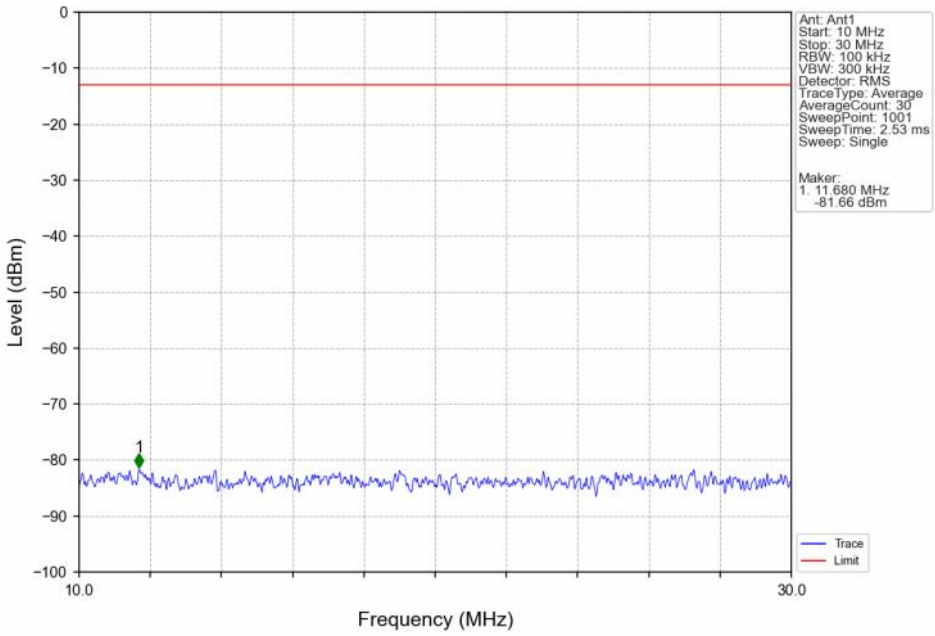
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



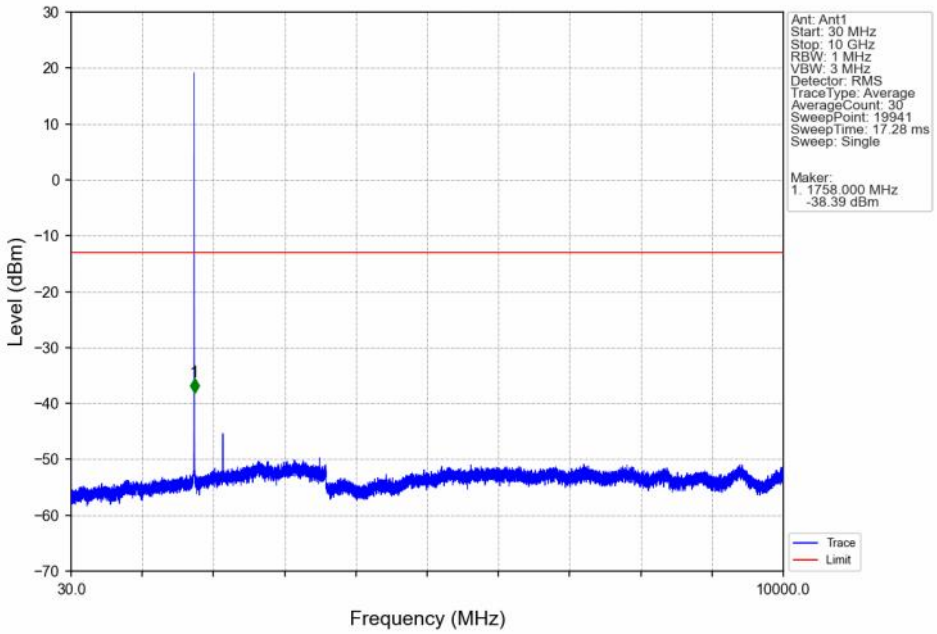
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



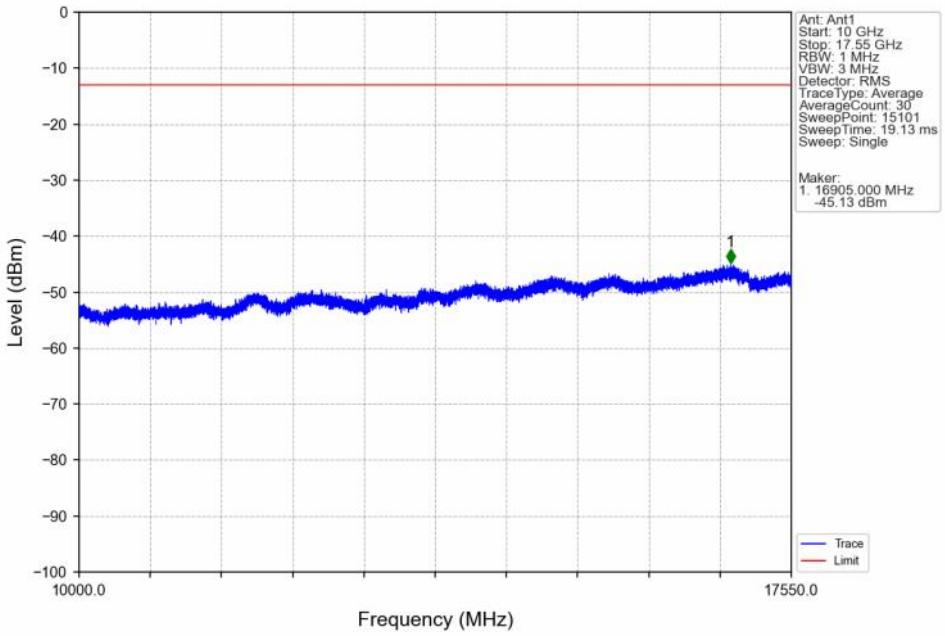
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



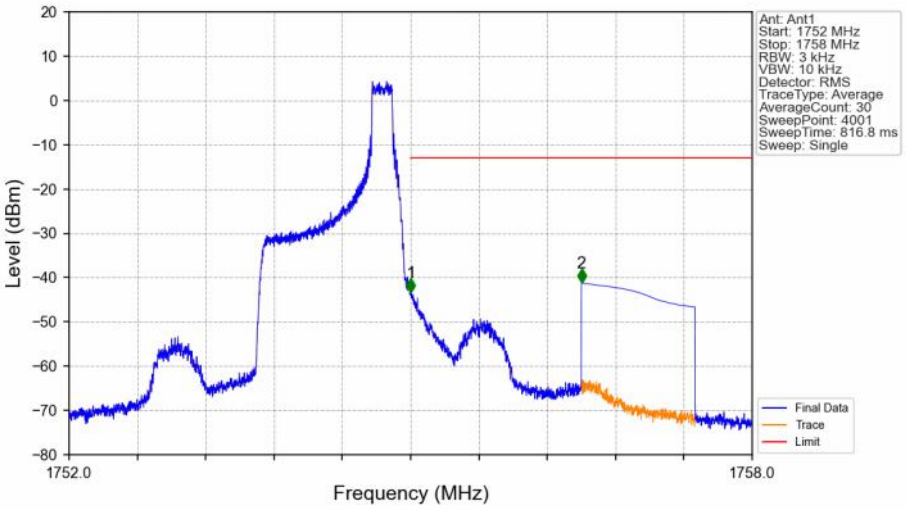
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

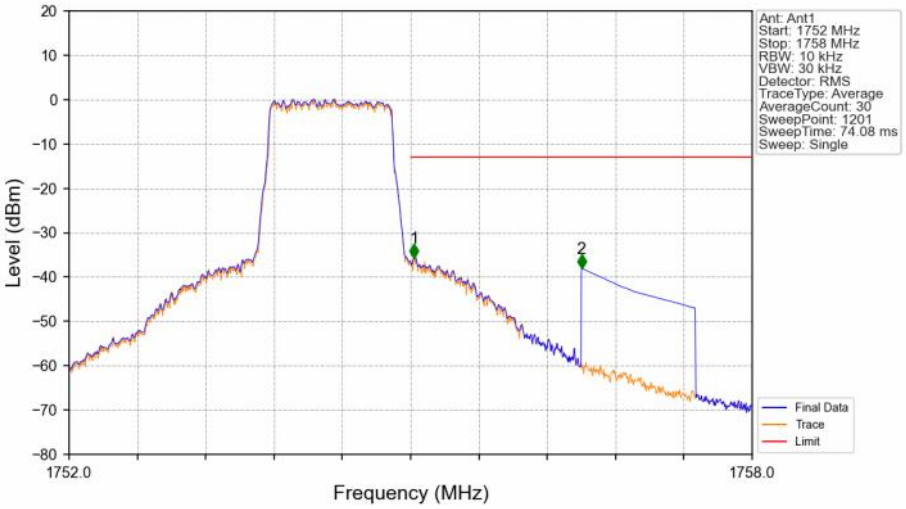


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-43.26	-13	Pass
1756	1758	1	CHP	2	1756.500	-41.22	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.030	-35.64	-13	Pass
1756	1758	1	CHP	2	1756.500	-38.04	-13	Pass