1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	21.54	-10.24	9.15	<=34.77	Pass
			2	21.50	-10.24	9.11	<=34.77	Pass
			5	21.52	-10.24	9.13	<=34.77	Pass
		3	0	21.34	-10.24	8.95	<=34.77	Pass
			2	21.45	-10.24	9.06	<=34.77	Pass
			3	21.40	-10.24	9.01	<=34.77	Pass
		6	0	20.44	-10.24	8.05	<=34.77	Pass
	707.5	1	0	21.45	-10.24	9.06	<=34.77	Pass
			2	21.51	-10.24	9.12	<=34.77	Pass
			5	21.54	-10.24	9.15	<=34.77	Pass
		3	0	21.59	-10.24	9.2	<=34.77	Pass
			2	21.61	-10.24	9.22	<=34.77	Pass
			3	21.52	-10.24	9.13	<=34.77	Pass
		6	0	20.58	-10.24	8.19	<=34.77	Pass
	715.3	1	0	21.54	-10.24	9.15	<=34.77	Pass
			2	21.32	-10.24	8.93	<=34.77	Pass
			5	21.35	-10.24	8.96	<=34.77	Pass
		3	0	21.65	-10.24	9.26	<=34.77	Pass
			2	21.37	-10.24	8.98	<=34.77	Pass
			3	21.38	-10.24	8.99	<=34.77	Pass
		6	0	20.28	-10.24	7.89	<=34.77	Pass
16QAM	699.7	1	0	20.04	-10.24	7.65	<=34.77	Pass
			2	20.07	-10.24	7.68	<=34.77	Pass
			5	20.04	-10.24	7.65	<=34.77	Pass
		3	0	20.19	-10.24	7.8	<=34.77	Pass
			2	20.18	-10.24	7.79	<=34.77	Pass
			3	20.16	-10.24	7.77	<=34.77	Pass
		6	0	19.18	-10.24	6.79	<=34.77	Pass
	707.5	1	0	20.71	-10.24	8.32	<=34.77	Pass
			2	20.80	-10.24	8.41	<=34.77	Pass
			5	20.81	-10.24	8.42	<=34.77	Pass
		3	0	20.62	-10.24	8.23	<=34.77	Pass
			2	20.63	-10.24	8.24	<=34.77	Pass
			3	20.58	-10.24	8.19	<=34.77	Pass
		6	0	18.92	-10.24	6.53	<=34.77	Pass
	715.3	1	0	20.73	-10.24	8.34	<=34.77	Pass
			2	20.48	-10.24	8.09	<=34.77	Pass
			5	20.50	-10.24	8.11	<=34.77	Pass
		3	0	20.47	-10.24	8.08	<=34.77	Pass
			2	20.30	-10.24	7.91	<=34.77	Pass
			3	20.29	-10.24	7.9	<=34.77	Pass
		6	0	18.75	-10.24	6.36	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	21.51	-10.24	9.12	<=34.77	Pass
			7	21.50	-10.24	9.11	<=34.77	Pass
			14	21.66	-10.24	9.27	<=34.77	Pass
		8	0	20.46	-10.24	8.07	<=34.77	Pass
			4	20.50	-10.24	8.11	<=34.77	Pass
			7	20.63	-10.24	8.24	<=34.77	Pass
		15	0	20.43	-10.24	8.04	<=34.77	Pass
	707.5	1	0	21.45	-10.24	9.06	<=34.77	Pass
			7	21.43	-10.24	9.04	<=34.77	Pass
			14	21.38	-10.24	8.99	<=34.77	Pass
		8	0	20.52	-10.24	8.13	<=34.77	Pass
			4	20.66	-10.24	8.27	<=34.77	Pass
			7	20.57	-10.24	8.18	<=34.77	Pass
		15	0	20.65	-10.24	8.26	<=34.77	Pass
	714.5	1	0	21.58	-10.24	9.19	<=34.77	Pass
			7	21.59	-10.24	9.2	<=34.77	Pass
			14	21.43	-10.24	9.04	<=34.77	Pass
		8	0	20.52	-10.24	8.13	<=34.77	Pass
			4	20.37	-10.24	7.98	<=34.77	Pass
			7	20.19	-10.24	7.8	<=34.77	Pass
		15	0	20.53	-10.24	8.14	<=34.77	Pass
16QAM	700.5	1	0	20.12	-10.24	7.73	<=34.77	Pass
			7	20.04	-10.24	7.65	<=34.77	Pass
			14	20.24	-10.24	7.85	<=34.77	Pass
		8	0	19.32	-10.24	6.93	<=34.77	Pass
			4	19.53	-10.24	7.14	<=34.77	Pass
			7	19.65	-10.24	7.26	<=34.77	Pass
		15	0	19.53	-10.24	7.14	<=34.77	Pass
	707.5	1	0	21.32	-10.24	8.93	<=34.77	Pass
			7	21.28	-10.24	8.89	<=34.77	Pass
			14	21.21	-10.24	8.82	<=34.77	Pass
		8	0	19.03	-10.24	6.64	<=34.77	Pass
			4	18.96	-10.24	6.57	<=34.77	Pass
			7	18.88	-10.24	6.49	<=34.77	Pass
		15	0	19.02	-10.24	6.63	<=34.77	Pass
	714.5	1	0	20.77	-10.24	8.38	<=34.77	Pass
			7	20.75	-10.24	8.36	<=34.77	Pass
			14	20.49	-10.24	8.1	<=34.77	Pass
		8	0	19.35	-10.24	6.96	<=34.77	Pass
			4	19.31	-10.24	6.92	<=34.77	Pass
			7	19.12	-10.24	6.73	<=34.77	Pass
		15	0	19.22	-10.24	6.83	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	21.24	-10.24	8.85	<=34.77	Pass
			13	21.46	-10.24	9.07	<=34.77	Pass
			24	21.44	-10.24	9.05	<=34.77	Pass
		12	0	20.40	-10.24	8.01	<=34.77	Pass
			6	20.57	-10.24	8.18	<=34.77	Pass
			13	20.54	-10.24	8.15	<=34.77	Pass

		25	0	20.60	-10.24	8.21	<=34.77	Pass
	707.5	1	0	21.66	-10.24	9.27	<=34.77	Pass
			13	21.59	-10.24	9.2	<=34.77	Pass
			24	21.42	-10.24	9.03	<=34.77	Pass
		12	0	20.65	-10.24	8.26	<=34.77	Pass
			6	20.55	-10.24	8.16	<=34.77	Pass
			13	20.49	-10.24	8.1	<=34.77	Pass
		25	0	20.66	-10.24	8.27	<=34.77	Pass
	713.5	1	0	21.19	-10.24	8.8	<=34.77	Pass
			13	21.38	-10.24	8.99	<=34.77	Pass
			24	21.28	-10.24	8.89	<=34.77	Pass
		12	0	20.40	-10.24	8.01	<=34.77	Pass
			6	20.64	-10.24	8.25	<=34.77	Pass
			13	20.64	-10.24	8.25	<=34.77	Pass
		25	0	20.51	-10.24	8.12	<=34.77	Pass
16QAM	701.5	1	0	20.38	-10.24	7.99	<=34.77	Pass
			13	20.67	-10.24	8.28	<=34.77	Pass
			24	20.60	-10.24	8.21	<=34.77	Pass
		12	0	19.32	-10.24	6.93	<=34.77	Pass
			6	19.69	-10.24	7.3	<=34.77	Pass
			13	19.79	-10.24	7.4	<=34.77	Pass
		25	0	19.62	-10.24	7.23	<=34.77	Pass
	707.5	1	0	20.29	-10.24	7.9	<=34.77	Pass
			13	20.25	-10.24	7.86	<=34.77	Pass
			24	20.07	-10.24	7.68	<=34.77	Pass
		12	0	19.22	-10.24	6.83	<=34.77	Pass
			6	19.10	-10.24	6.71	<=34.77	Pass
			13	18.81	-10.24	6.42	<=34.77	Pass
		25	0	19.03	-10.24	6.64	<=34.77	Pass
	713.5	1	0	19.58	-10.24	7.19	<=34.77	Pass
			13	19.79	-10.24	7.4	<=34.77	Pass
			24	19.66	-10.24	7.27	<=34.77	Pass
		12	0	19.50	-10.24	7.11	<=34.77	Pass
			6	19.69	-10.24	7.3	<=34.77	Pass
			13	19.44	-10.24	7.05	<=34.77	Pass
		25	0	19.55	-10.24	7.16	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	21.51	-10.24	9.12	<=34.77	Pass
			25	21.66	-10.24	9.27	<=34.77	Pass
			49	21.68	-10.24	9.29	<=34.77	Pass
		25	0	20.58	-10.24	8.19	<=34.77	Pass
			13	20.58	-10.24	8.19	<=34.77	Pass
			25	20.61	-10.24	8.22	<=34.77	Pass
		50	0	20.52	-10.24	8.13	<=34.77	Pass
	707.5	1	0	21.41	-10.24	9.02	<=34.77	Pass
			25	21.36	-10.24	8.97	<=34.77	Pass
			49	21.23	-10.24	8.84	<=34.77	Pass
		25	0	20.67	-10.24	8.28	<=34.77	Pass
			13	20.65	-10.24	8.26	<=34.77	Pass
			25	20.32	-10.24	7.93	<=34.77	Pass
		50	0	20.39	-10.24	8	<=34.77	Pass

	711	1	0	21.48	-10.24	9.09	<=34.77	Pass
			25	21.29	-10.24	8.9	<=34.77	Pass
			49	21.35	-10.24	8.96	<=34.77	Pass
		25	0	20.50	-10.24	8.11	<=34.77	Pass
			13	20.29	-10.24	7.9	<=34.77	Pass
			25	20.53	-10.24	8.14	<=34.77	Pass
		50	0	20.45	-10.24	8.06	<=34.77	Pass
16QAM	704	1	0	20.04	-10.24	7.65	<=34.77	Pass
			25	20.26	-10.24	7.87	<=34.77	Pass
			49	20.26	-10.24	7.87	<=34.77	Pass
		25	0	19.67	-10.24	7.28	<=34.77	Pass
			13	19.96	-10.24	7.57	<=34.77	Pass
			25	19.70	-10.24	7.31	<=34.77	Pass
		50	0	19.66	-10.24	7.27	<=34.77	Pass
	707.5	1	0	21.31	-10.24	8.92	<=34.77	Pass
			25	21.26	-10.24	8.87	<=34.77	Pass
			49	21.08	-10.24	8.69	<=34.77	Pass
		25	0	19.58	-10.24	7.19	<=34.77	Pass
			13	19.14	-10.24	6.75	<=34.77	Pass
			25	19.12	-10.24	6.73	<=34.77	Pass
		50	0	19.38	-10.24	6.99	<=34.77	Pass
	711	1	0	20.84	-10.24	8.45	<=34.77	Pass
			25	20.69	-10.24	8.3	<=34.77	Pass
			49	20.75	-10.24	8.36	<=34.77	Pass
		25	0	19.17	-10.24	6.78	<=34.77	Pass
			13	19.41	-10.24	7.02	<=34.77	Pass
			25	19.66	-10.24	7.27	<=34.77	Pass
		50	0	19.46	-10.24	7.07	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / 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	699.7	6	0	20	3.27	-3.505	-0.0050	-2.5 to 2.5	Pass
					3.85	1.445	0.0021	-2.5 to 2.5	Pass
					4.43	8.812	0.0126	-2.5 to 2.5	Pass
				-30	3.85	22.988	0.0329	-2.5 to 2.5	Pass
				-20	3.85	36.736	0.0525	-2.5 to 2.5	Pass
				-10	3.85	47.693	0.0682	-2.5 to 2.5	Pass
				0	3.85	6.809	0.0097	-2.5 to 2.5	Pass
				10	3.85	14.963	0.0214	-2.5 to 2.5	Pass
				30	3.85	26.536	0.0379	-2.5 to 2.5	Pass
				40	3.85	35.648	0.0509	-2.5 to 2.5	Pass
				50	3.85	46.678	0.0667	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	0.415	0.0006	-2.5 to 2.5	Pass
					3.85	-3.648	-0.0052	-2.5 to 2.5	Pass
					4.43	0.830	0.0012	-2.5 to 2.5	Pass
				-30	3.85	4.792	0.0068	-2.5 to 2.5	Pass
				-20	3.85	11.888	0.0168	-2.5 to 2.5	Pass
				-10	3.85	18.754	0.0265	-2.5 to 2.5	Pass

				0	3.85	21.987	0.0311	-2.5 to 2.5	Pass
				10	3.85	26.021	0.0368	-2.5 to 2.5	Pass
				30	3.85	26.021	0.0368	-2.5 to 2.5	Pass
				40	3.85	30.842	0.0436	-2.5 to 2.5	Pass
				50	3.85	30.928	0.0437	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.276	-0.0046	-2.5 to 2.5	Pass
					3.85	-9.828	-0.0137	-2.5 to 2.5	Pass
					4.43	-10.557	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-8.626	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-5.250	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	2.232	0.0031	-2.5 to 2.5	Pass
				10	3.85	6.266	0.0088	-2.5 to 2.5	Pass
				30	3.85	8.197	0.0115	-2.5 to 2.5	Pass
				40	3.85	10.257	0.0143	-2.5 to 2.5	Pass
				50	3.85	13.776	0.0193	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	12.388	0.0177	-2.5 to 2.5	Pass
					3.85	20.585	0.0294	-2.5 to 2.5	Pass
					4.43	30.341	0.0434	-2.5 to 2.5	Pass
				-30	3.85	34.990	0.0500	-2.5 to 2.5	Pass
				-20	3.85	43.631	0.0624	-2.5 to 2.5	Pass
				-10	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				0	3.85	4.964	0.0071	-2.5 to 2.5	Pass
				10	3.85	9.298	0.0133	-2.5 to 2.5	Pass
				30	3.85	18.940	0.0271	-2.5 to 2.5	Pass
				40	3.85	27.251	0.0389	-2.5 to 2.5	Pass
				50	3.85	29.511	0.0422	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	32.744	0.0463	-2.5 to 2.5	Pass
					3.85	34.461	0.0487	-2.5 to 2.5	Pass
					4.43	31.500	0.0445	-2.5 to 2.5	Pass
				-30	3.85	28.768	0.0407	-2.5 to 2.5	Pass
				-20	3.85	20.814	0.0294	-2.5 to 2.5	Pass
				-10	3.85	16.150	0.0228	-2.5 to 2.5	Pass
				0	3.85	10.200	0.0144	-2.5 to 2.5	Pass
				10	3.85	5.822	0.0082	-2.5 to 2.5	Pass
				30	3.85	1.202	0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.663	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-7.939	-0.0112	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	21.930	0.0307	-2.5 to 2.5	Pass
					3.85	23.203	0.0324	-2.5 to 2.5	Pass
					4.43	21.715	0.0304	-2.5 to 2.5	Pass
				-30	3.85	17.066	0.0239	-2.5 to 2.5	Pass
				-20	3.85	11.344	0.0159	-2.5 to 2.5	Pass
				-10	3.85	9.727	0.0136	-2.5 to 2.5	Pass
				0	3.85	5.493	0.0077	-2.5 to 2.5	Pass
				10	3.85	1.874	0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-9.484	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-13.218	-0.0185	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-7.582	-0.0108	-2.5 to 2.5	Pass
					3.85	-9.341	-0.0133	-2.5 to 2.5	Pass

					4.43	-6.509	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				-20	3.85	9.212	0.0132	-2.5 to 2.5	Pass
				-10	3.85	17.667	0.0252	-2.5 to 2.5	Pass
				0	3.85	26.865	0.0384	-2.5 to 2.5	Pass
				10	3.85	33.360	0.0476	-2.5 to 2.5	Pass
				30	3.85	41.170	0.0588	-2.5 to 2.5	Pass
				40	3.85	45.776	0.0653	-2.5 to 2.5	Pass
				50	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	2.346	0.0033	-2.5 to 2.5	Pass
					3.85	0.815	0.0012	-2.5 to 2.5	Pass
					4.43	4.606	0.0065	-2.5 to 2.5	Pass
				-30	3.85	9.785	0.0138	-2.5 to 2.5	Pass
				-20	3.85	18.411	0.0260	-2.5 to 2.5	Pass
				-10	3.85	22.316	0.0315	-2.5 to 2.5	Pass
				0	3.85	32.773	0.0463	-2.5 to 2.5	Pass
				10	3.85	39.296	0.0555	-2.5 to 2.5	Pass
				30	3.85	44.732	0.0632	-2.5 to 2.5	Pass
				40	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-3.476	-0.0049	-2.5 to 2.5	Pass
					3.85	-10.571	-0.0148	-2.5 to 2.5	Pass
					4.43	-8.969	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-7.682	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				0	3.85	3.219	0.0045	-2.5 to 2.5	Pass
				10	3.85	9.098	0.0127	-2.5 to 2.5	Pass
				30	3.85	10.028	0.0140	-2.5 to 2.5	Pass
				40	3.85	15.507	0.0217	-2.5 to 2.5	Pass
				50	3.85	16.451	0.0230	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	6.037	0.0086	-2.5 to 2.5	Pass
					3.85	10.400	0.0148	-2.5 to 2.5	Pass
					4.43	12.317	0.0176	-2.5 to 2.5	Pass
				-30	3.85	12.360	0.0176	-2.5 to 2.5	Pass
				-20	3.85	17.009	0.0243	-2.5 to 2.5	Pass
				-10	3.85	20.857	0.0298	-2.5 to 2.5	Pass
				0	3.85	26.207	0.0374	-2.5 to 2.5	Pass
				10	3.85	31.872	0.0455	-2.5 to 2.5	Pass
				30	3.85	35.963	0.0513	-2.5 to 2.5	Pass
				40	3.85	41.499	0.0592	-2.5 to 2.5	Pass
				50	3.85	22.144	0.0316	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	4.964	0.0070	-2.5 to 2.5	Pass
					3.85	5.951	0.0084	-2.5 to 2.5	Pass
					4.43	4.420	0.0062	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-9.384	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-14.791	-0.0209	-2.5 to 2.5	Pass
				0	3.85	-23.389	-0.0331	-2.5 to 2.5	Pass
				10	3.85	-27.752	-0.0392	-2.5 to 2.5	Pass
				30	3.85	-34.461	-0.0487	-2.5 to 2.5	Pass
				40	3.85	-38.323	-0.0542	-2.5 to 2.5	Pass
				50	3.85	-43.302	-0.0612	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	18.611	0.0260	-2.5 to 2.5	Pass
					3.85	22.259	0.0312	-2.5 to 2.5	Pass
					4.43	17.838	0.0250	-2.5 to 2.5	Pass
				-30	3.85	15.149	0.0212	-2.5 to 2.5	Pass
				-20	3.85	7.610	0.0107	-2.5 to 2.5	Pass
				-10	3.85	3.762	0.0053	-2.5 to 2.5	Pass

				0	3.85	-1.831	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-6.480	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-9.270	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-15.736	-0.0220	-2.5 to 2.5	Pass
				50	3.85	-17.610	-0.0246	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-2.761	-0.0039	-2.5 to 2.5	Pass
					3.85	-6.351	-0.0091	-2.5 to 2.5	Pass
					4.43	0.844	0.0012	-2.5 to 2.5	Pass
				-30	3.85	8.740	0.0125	-2.5 to 2.5	Pass
				-20	3.85	21.529	0.0307	-2.5 to 2.5	Pass
				-10	3.85	30.942	0.0441	-2.5 to 2.5	Pass
				0	3.85	42.043	0.0599	-2.5 to 2.5	Pass
				10	3.85	2.432	0.0035	-2.5 to 2.5	Pass
				30	3.85	10.271	0.0146	-2.5 to 2.5	Pass
				40	3.85	20.013	0.0285	-2.5 to 2.5	Pass
				50	3.85	26.078	0.0372	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.086	0.0001	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0023	-2.5 to 2.5	Pass
					4.43	0.844	0.0012	-2.5 to 2.5	Pass
				-30	3.85	6.981	0.0099	-2.5 to 2.5	Pass
				-20	3.85	12.274	0.0173	-2.5 to 2.5	Pass
				-10	3.85	20.056	0.0283	-2.5 to 2.5	Pass
				0	3.85	24.962	0.0353	-2.5 to 2.5	Pass
				10	3.85	32.458	0.0459	-2.5 to 2.5	Pass
				30	3.85	36.736	0.0519	-2.5 to 2.5	Pass
				40	3.85	42.458	0.0600	-2.5 to 2.5	Pass
				50	3.85	1.960	0.0028	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-13.103	-0.0184	-2.5 to 2.5	Pass
					3.85	-21.214	-0.0297	-2.5 to 2.5	Pass
					4.43	-26.808	-0.0376	-2.5 to 2.5	Pass
				-30	3.85	-25.778	-0.0361	-2.5 to 2.5	Pass
				-20	3.85	-25.363	-0.0355	-2.5 to 2.5	Pass
				-10	3.85	-23.046	-0.0323	-2.5 to 2.5	Pass
				0	3.85	-21.415	-0.0300	-2.5 to 2.5	Pass
				10	3.85	-20.871	-0.0293	-2.5 to 2.5	Pass
				30	3.85	-17.266	-0.0242	-2.5 to 2.5	Pass
				40	3.85	-16.150	-0.0226	-2.5 to 2.5	Pass
				50	3.85	-14.033	-0.0197	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	35.377	0.0504	-2.5 to 2.5	Pass
					3.85	41.313	0.0589	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	3.047	0.0043	-2.5 to 2.5	Pass
				-20	3.85	5.751	0.0082	-2.5 to 2.5	Pass
				-10	3.85	10.972	0.0156	-2.5 to 2.5	Pass
				0	3.85	15.979	0.0228	-2.5 to 2.5	Pass
				10	3.85	21.114	0.0301	-2.5 to 2.5	Pass
				30	3.85	25.263	0.0360	-2.5 to 2.5	Pass
				40	3.85	27.494	0.0392	-2.5 to 2.5	Pass
				50	3.85	32.215	0.0459	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	5.836	0.0082	-2.5 to 2.5	Pass
					3.85	11.072	0.0156	-2.5 to 2.5	Pass

					4.43	12.445	0.0176	-2.5 to 2.5	Pass
				-30	3.85	15.464	0.0219	-2.5 to 2.5	Pass
				-20	3.85	16.866	0.0238	-2.5 to 2.5	Pass
				-10	3.85	18.997	0.0269	-2.5 to 2.5	Pass
				0	3.85	22.330	0.0316	-2.5 to 2.5	Pass
				10	3.85	18.053	0.0255	-2.5 to 2.5	Pass
				30	3.85	13.204	0.0187	-2.5 to 2.5	Pass
				40	3.85	3.777	0.0053	-2.5 to 2.5	Pass
				50	3.85	1.202	0.0017	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-13.533	-0.0190	-2.5 to 2.5	Pass
					3.85	-13.690	-0.0192	-2.5 to 2.5	Pass
					4.43	-11.387	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-16.680	-0.0234	-2.5 to 2.5	Pass
				-20	3.85	-20.957	-0.0294	-2.5 to 2.5	Pass
				-10	3.85	-28.324	-0.0397	-2.5 to 2.5	Pass
				0	3.85	-33.288	-0.0467	-2.5 to 2.5	Pass
				10	3.85	-38.810	-0.0544	-2.5 to 2.5	Pass
				30	3.85	-44.446	-0.0623	-2.5 to 2.5	Pass
				40	3.85	-47.865	-0.0671	-2.5 to 2.5	Pass
				50	3.85	0.815	0.0011	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-8.855	-0.0126	-2.5 to 2.5	Pass
					3.85	-4.563	-0.0065	-2.5 to 2.5	Pass
					4.43	9.985	0.0142	-2.5 to 2.5	Pass
				-30	3.85	28.882	0.0410	-2.5 to 2.5	Pass
				-20	3.85	47.078	0.0669	-2.5 to 2.5	Pass
				-10	3.85	9.055	0.0129	-2.5 to 2.5	Pass
				0	3.85	22.802	0.0324	-2.5 to 2.5	Pass
				10	3.85	35.148	0.0499	-2.5 to 2.5	Pass
				30	3.85	46.277	0.0657	-2.5 to 2.5	Pass
				40	3.85	6.523	0.0093	-2.5 to 2.5	Pass
				50	3.85	19.712	0.0280	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-9.813	-0.0139	-2.5 to 2.5	Pass
					3.85	-9.627	-0.0136	-2.5 to 2.5	Pass
					4.43	-3.204	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	5.665	0.0080	-2.5 to 2.5	Pass
				-20	3.85	15.521	0.0219	-2.5 to 2.5	Pass
				-10	3.85	28.667	0.0405	-2.5 to 2.5	Pass
				0	3.85	40.226	0.0569	-2.5 to 2.5	Pass
				10	3.85	5.064	0.0072	-2.5 to 2.5	Pass
				30	3.85	13.390	0.0189	-2.5 to 2.5	Pass
				40	3.85	21.014	0.0297	-2.5 to 2.5	Pass
				50	3.85	27.609	0.0390	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-11.144	-0.0157	-2.5 to 2.5	Pass
					3.85	-16.837	-0.0237	-2.5 to 2.5	Pass
					4.43	-9.942	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	1.645	0.0023	-2.5 to 2.5	Pass
				-10	3.85	5.436	0.0076	-2.5 to 2.5	Pass
				0	3.85	8.326	0.0117	-2.5 to 2.5	Pass
				10	3.85	11.530	0.0162	-2.5 to 2.5	Pass
				30	3.85	14.648	0.0206	-2.5 to 2.5	Pass

				40	3.85	16.723	0.0235	-2.5 to 2.5	Pass
				50	3.85	19.712	0.0277	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	30.212	0.0429	-2.5 to 2.5	Pass
					3.85	35.992	0.0511	-2.5 to 2.5	Pass
					4.43	40.355	0.0573	-2.5 to 2.5	Pass
				-30	3.85	1.245	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-12.560	-0.0178	-2.5 to 2.5	Pass
				0	3.85	-22.874	-0.0325	-2.5 to 2.5	Pass
				10	3.85	-31.157	-0.0443	-2.5 to 2.5	Pass
				30	3.85	-38.495	-0.0547	-2.5 to 2.5	Pass
				40	3.85	-44.632	-0.0634	-2.5 to 2.5	Pass
				50	3.85	-5.693	-0.0081	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	33.703	0.0476	-2.5 to 2.5	Pass
					3.85	37.122	0.0525	-2.5 to 2.5	Pass
					4.43	40.712	0.0575	-2.5 to 2.5	Pass
				-30	3.85	43.187	0.0610	-2.5 to 2.5	Pass
				-20	3.85	44.904	0.0635	-2.5 to 2.5	Pass
				-10	3.85	4.120	0.0058	-2.5 to 2.5	Pass
				0	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-20.857	-0.0295	-2.5 to 2.5	Pass
				30	3.85	-33.817	-0.0478	-2.5 to 2.5	Pass
				40	3.85	-44.847	-0.0634	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
	711	50	0	20	3.27	22.659	0.0319	-2.5 to 2.5	Pass
					3.85	21.386	0.0301	-2.5 to 2.5	Pass
					4.43	11.902	0.0167	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-6.552	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-14.305	-0.0201	-2.5 to 2.5	Pass
				0	3.85	-22.044	-0.0310	-2.5 to 2.5	Pass
				10	3.85	-26.164	-0.0368	-2.5 to 2.5	Pass
				30	3.85	-24.805	-0.0349	-2.5 to 2.5	Pass
				40	3.85	-30.513	-0.0429	-2.5 to 2.5	Pass
				50	3.85	-35.691	-0.0502	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

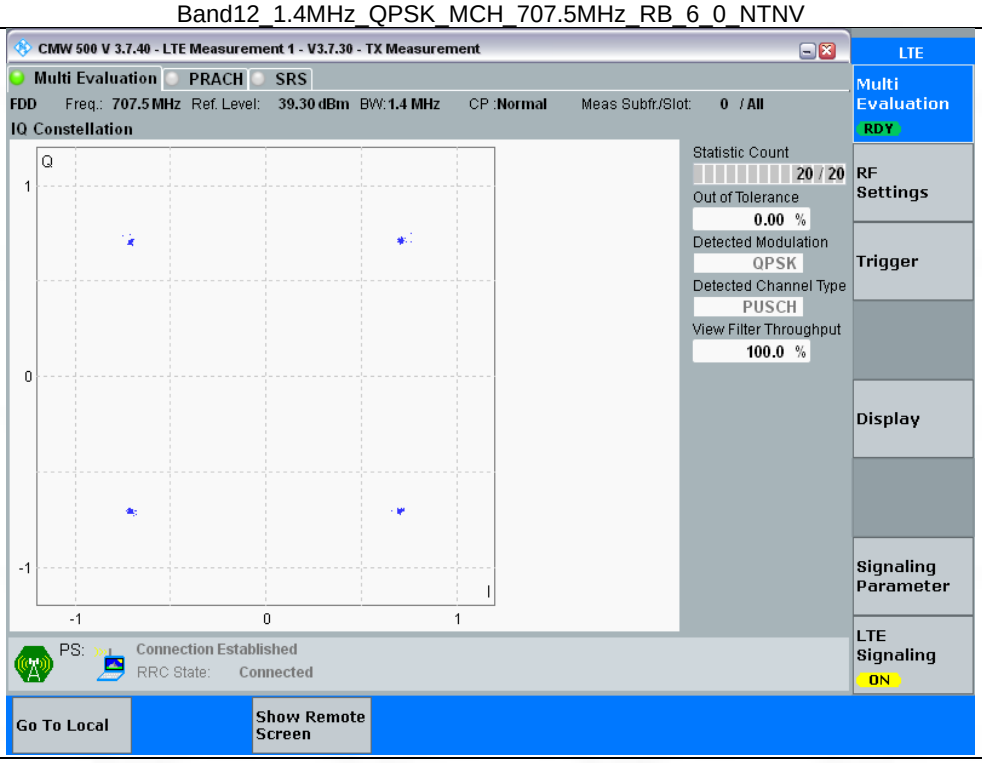
3.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

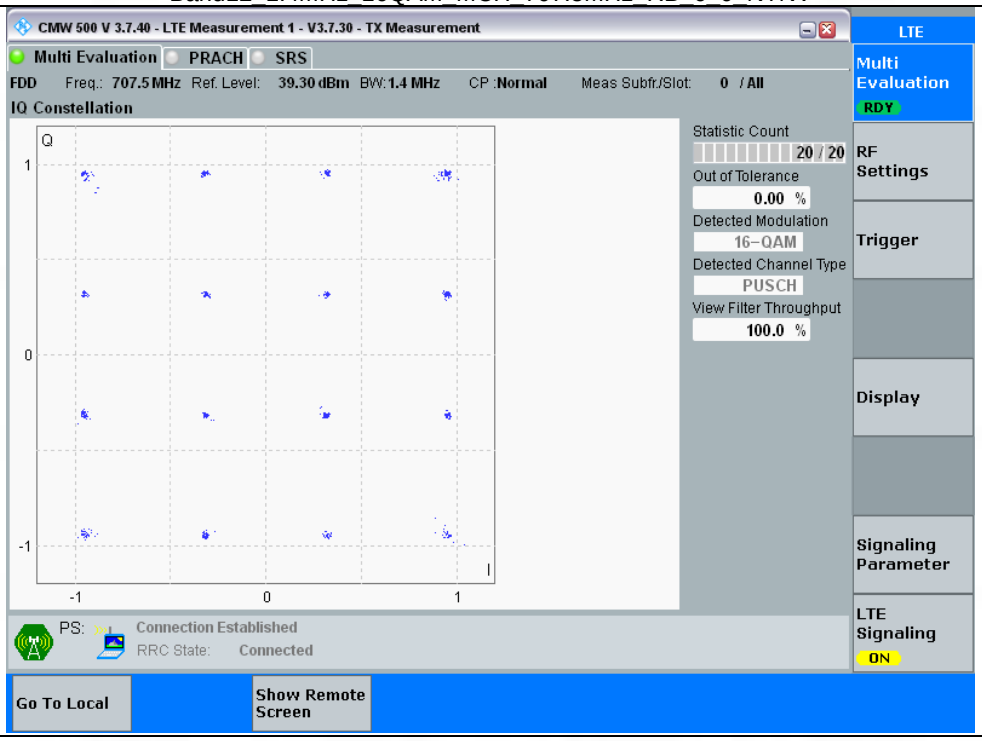
3.2 Test Graph

3.2.1 B12_1.4MHz

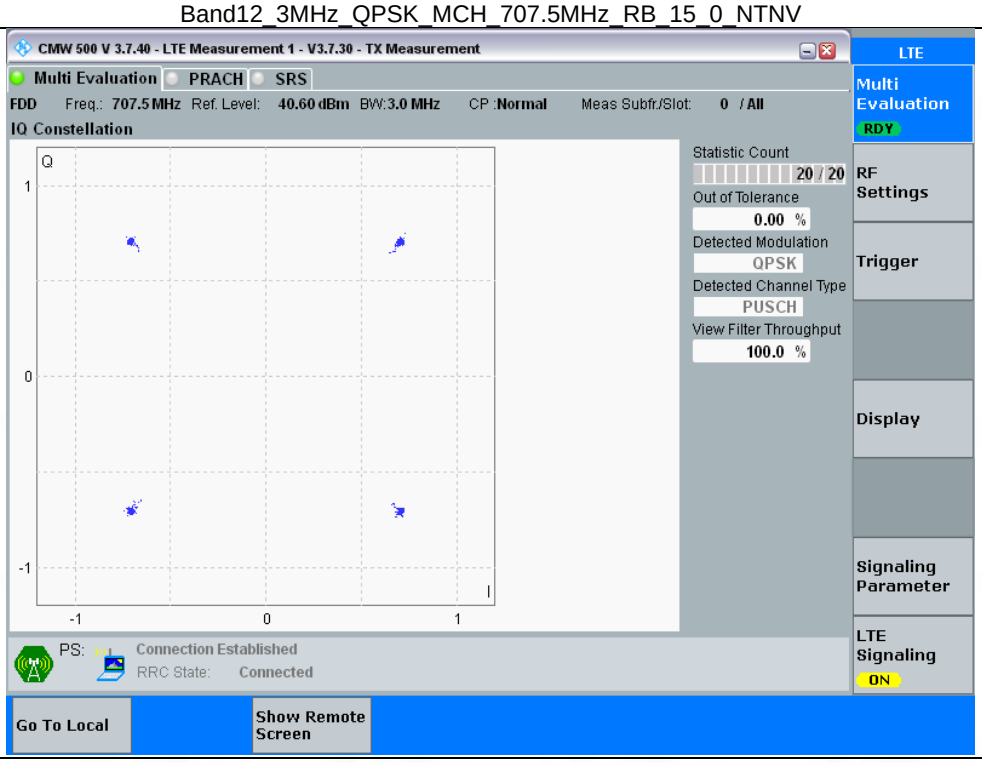
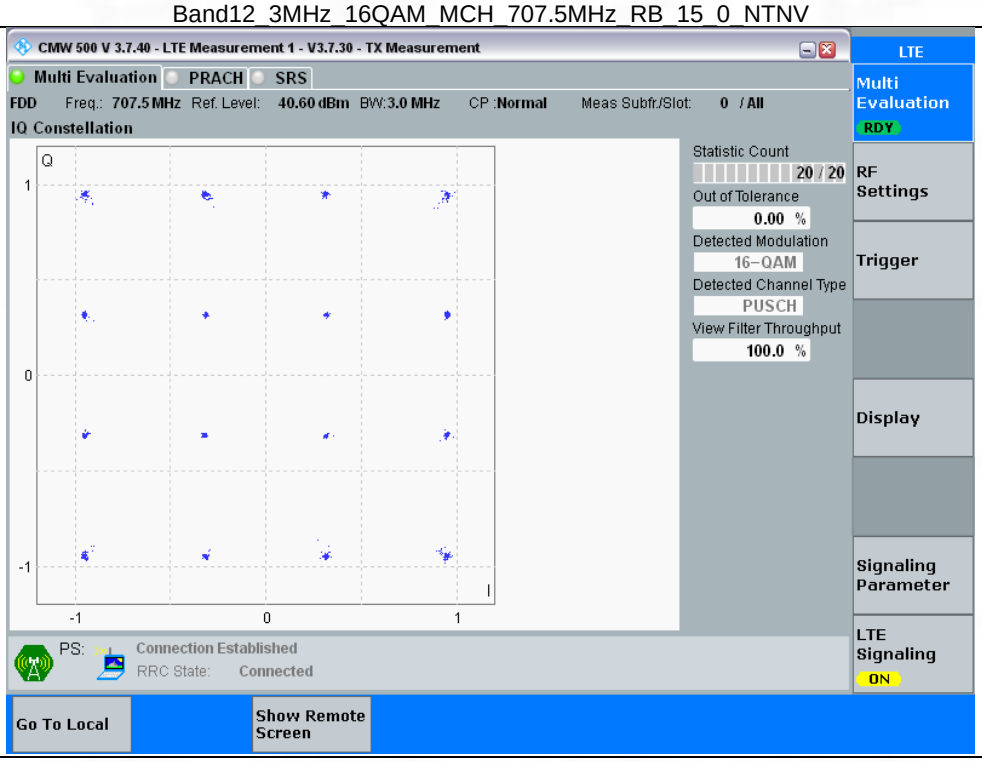
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

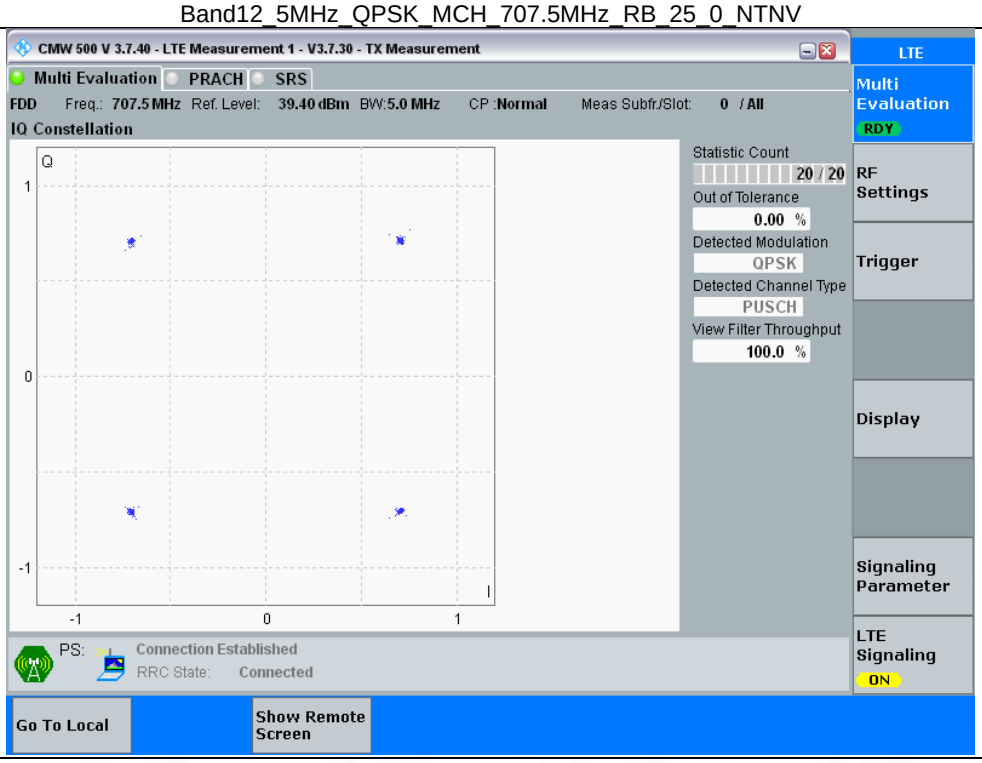


3.2.2 B12_3MHz

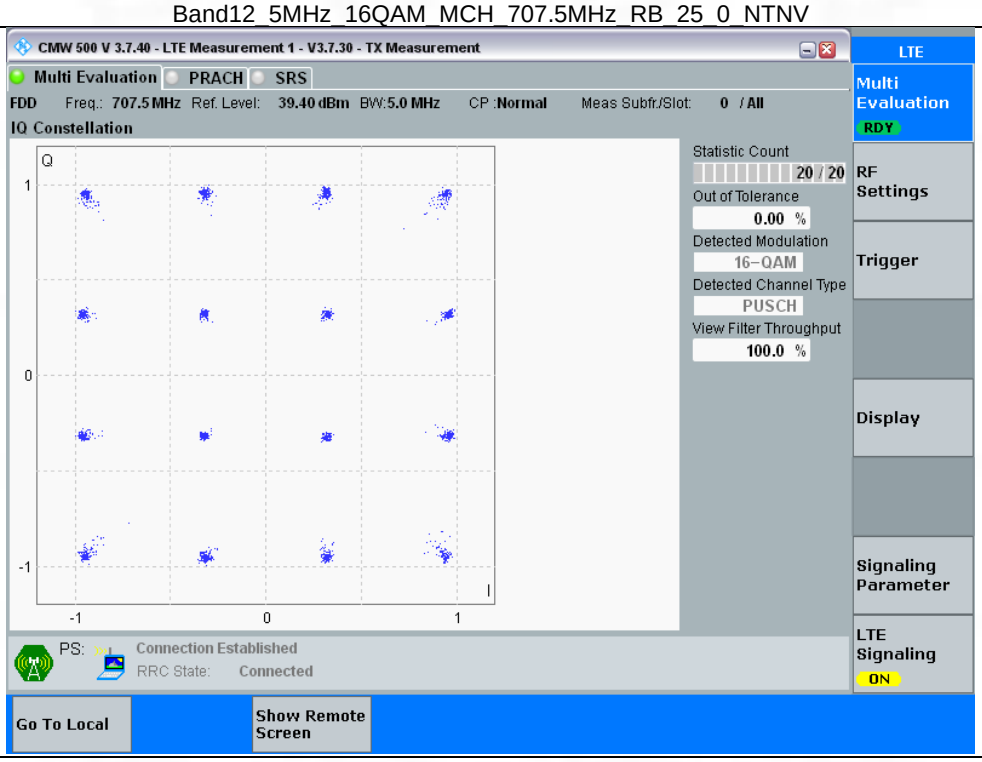
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV


3.2.3 B12_5MHz

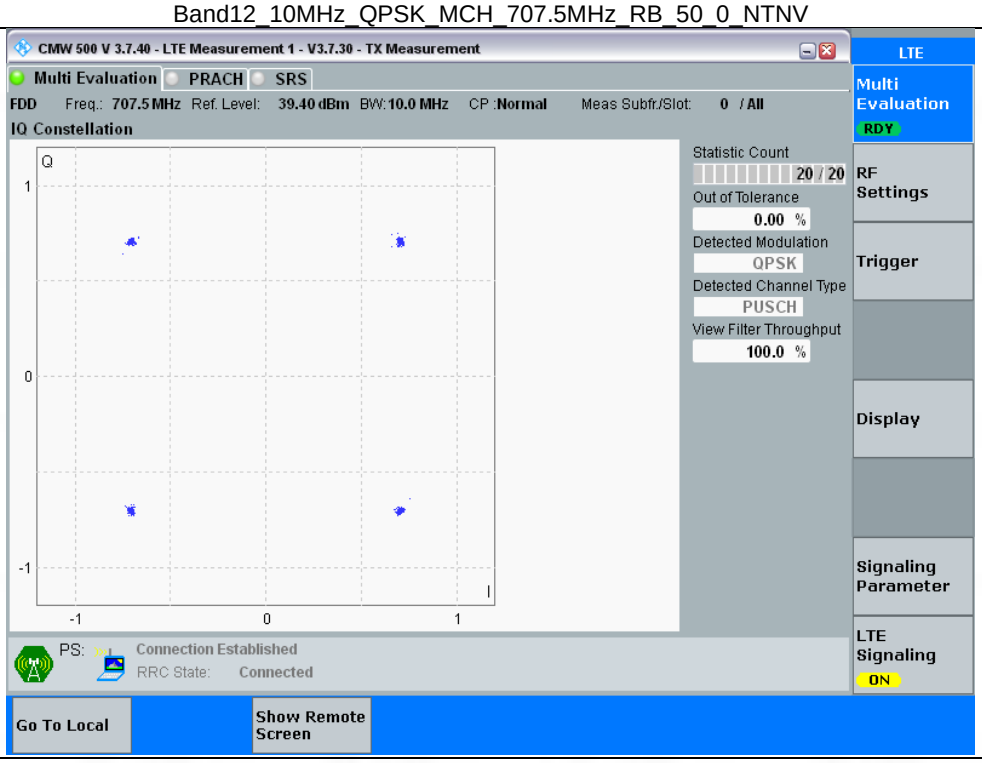
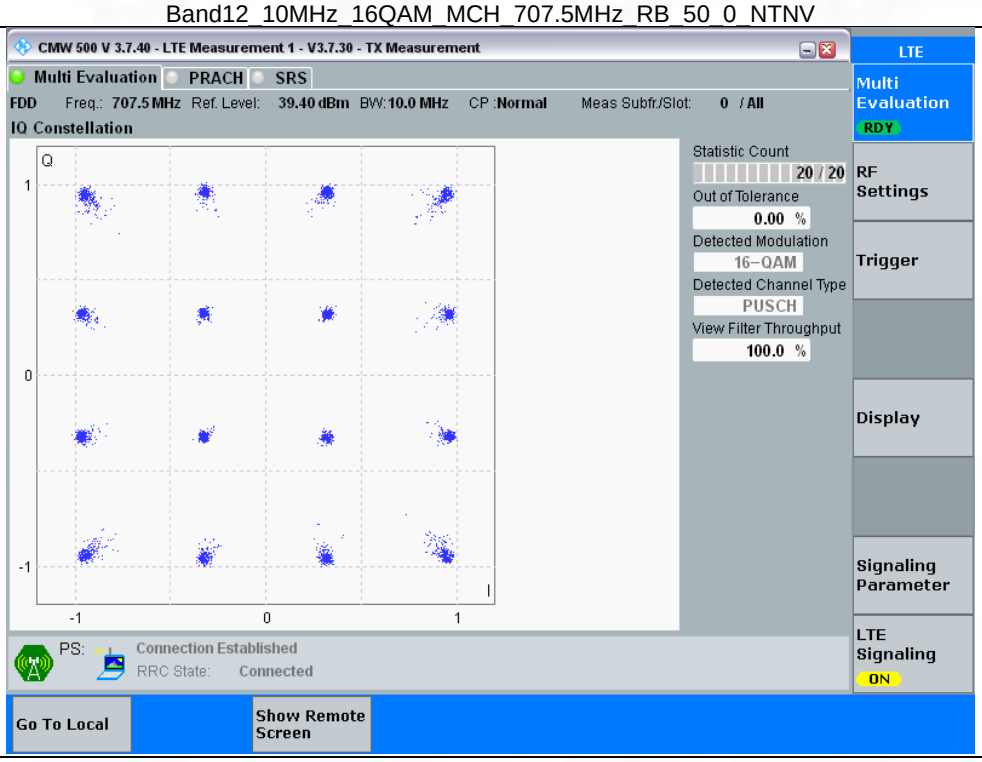
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



3.2.4 B12_10MHz

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.119	/	Pass
		707.5	6	0	1.112	/	Pass
		715.3	6	0	1.116	/	Pass
	16QAM	699.7	6	0	1.116	/	Pass
		707.5	6	0	1.121	/	Pass
		715.3	6	0	1.117	/	Pass
3	QPSK	700.5	15	0	2.767	/	Pass
		707.5	15	0	2.770	/	Pass
		714.5	15	0	2.774	/	Pass
	16QAM	700.5	15	0	2.765	/	Pass
		707.5	15	0	2.755	/	Pass
		714.5	15	0	2.764	/	Pass
5	QPSK	701.5	25	0	4.542	/	Pass
		707.5	25	0	4.555	/	Pass
		713.5	25	0	4.554	/	Pass
	16QAM	701.5	25	0	4.573	/	Pass
		707.5	25	0	4.571	/	Pass
		713.5	25	0	4.567	/	Pass
10	QPSK	704	50	0	9.045	/	Pass
		707.5	50	0	9.068	/	Pass
		711	50	0	9.077	/	Pass
	16QAM	704	50	0	9.041	/	Pass
		707.5	50	0	9.073	/	Pass
		711	50	0	9.066	/	Pass

4.1.2 Band12_XDB

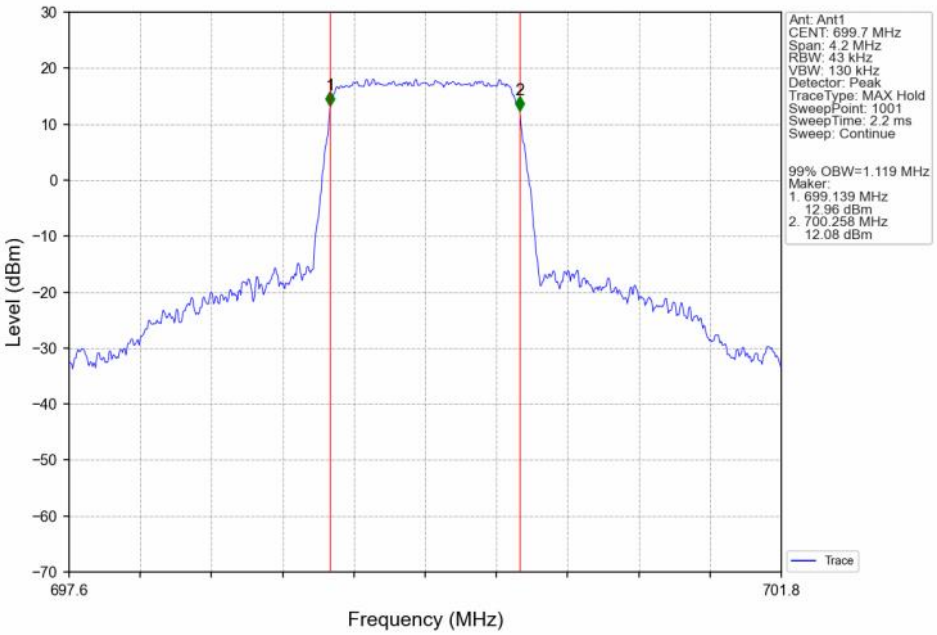
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.276	/	Pass
		707.5	6	0	1.271	/	Pass
		715.3	6	0	1.268	/	Pass
	16QAM	699.7	6	0	1.270	/	Pass
		707.5	6	0	1.278	/	Pass
		715.3	6	0	1.276	/	Pass
3	QPSK	700.5	15	0	3.111	/	Pass
		707.5	15	0	3.112	/	Pass
		714.5	15	0	3.113	/	Pass
	16QAM	700.5	15	0	3.116	/	Pass
		707.5	15	0	3.085	/	Pass
		714.5	15	0	3.123	/	Pass
5	QPSK	701.5	25	0	5.028	/	Pass
		707.5	25	0	5.046	/	Pass
		713.5	25	0	5.042	/	Pass

	16QAM	701.5	25	0	5.079	/	Pass
		707.5	25	0	5.049	/	Pass
		713.5	25	0	5.065	/	Pass
10	QPSK	704	50	0	10.009	/	Pass
		707.5	50	0	10.054	/	Pass
		711	50	0	10.083	/	Pass
	16QAM	704	50	0	10.057	/	Pass
		707.5	50	0	10.085	/	Pass
		711	50	0	10.036	/	Pass

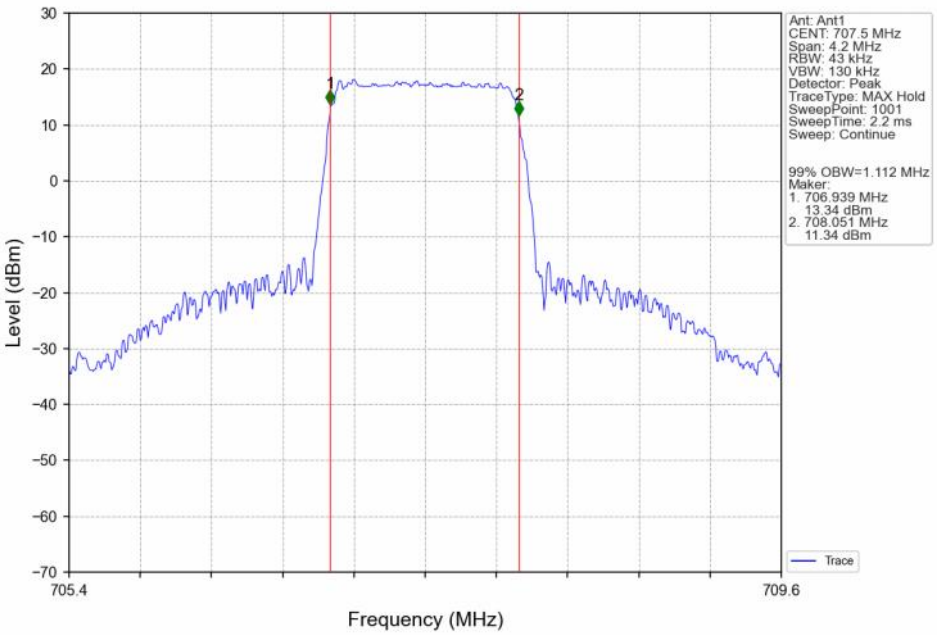
4.2 Test Graph

4.2.1 Band12_OBW

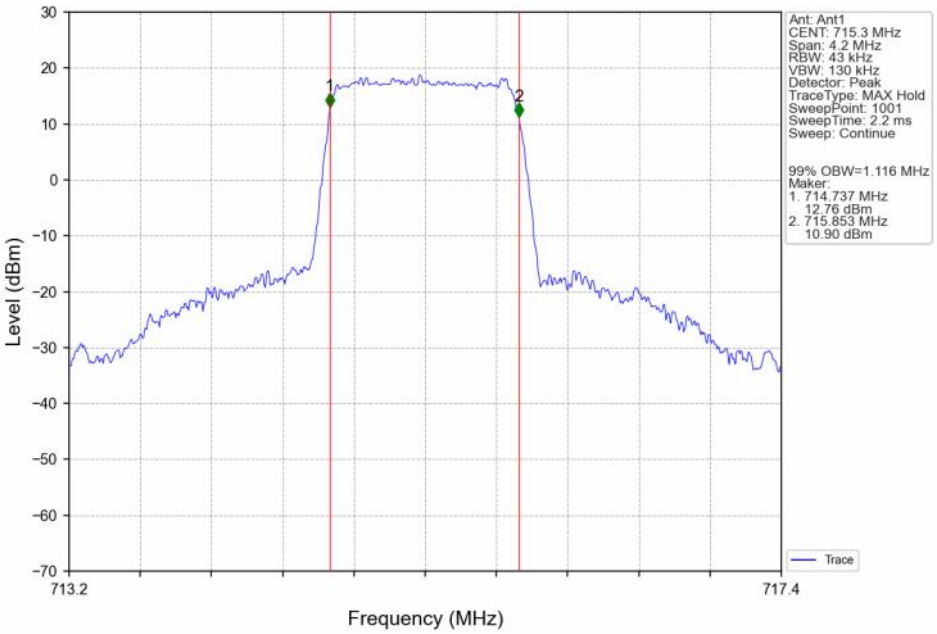
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



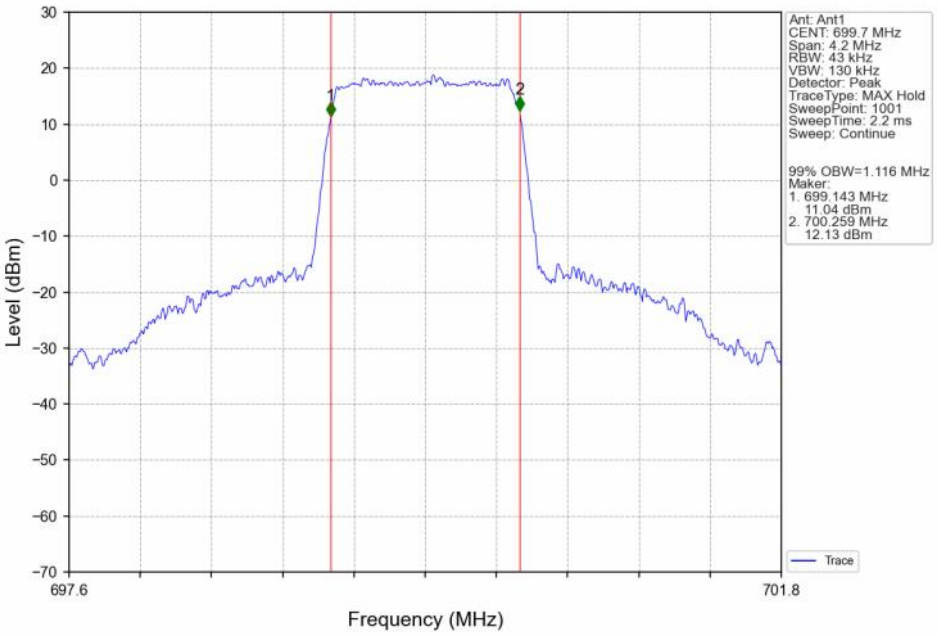
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



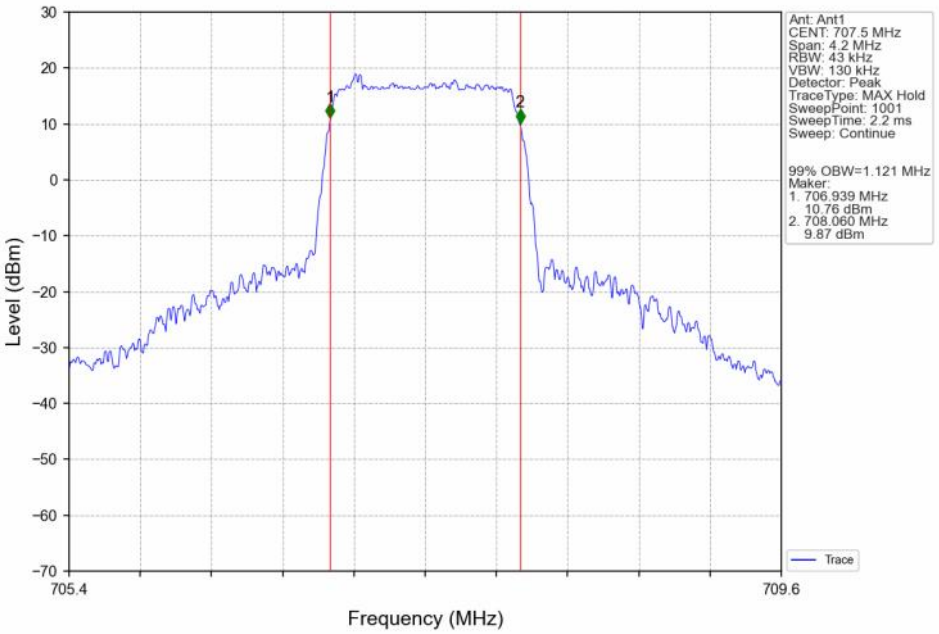
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



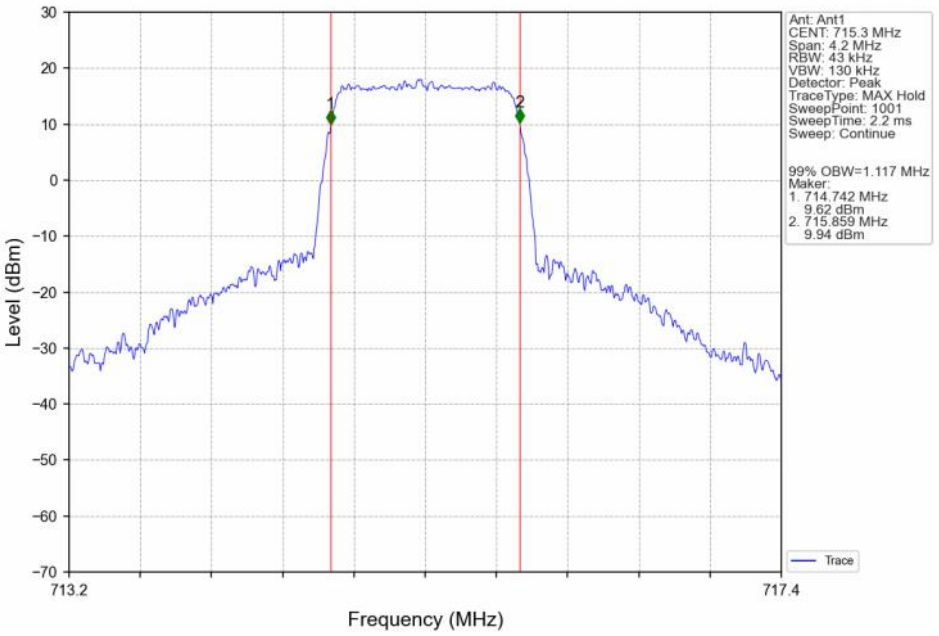
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



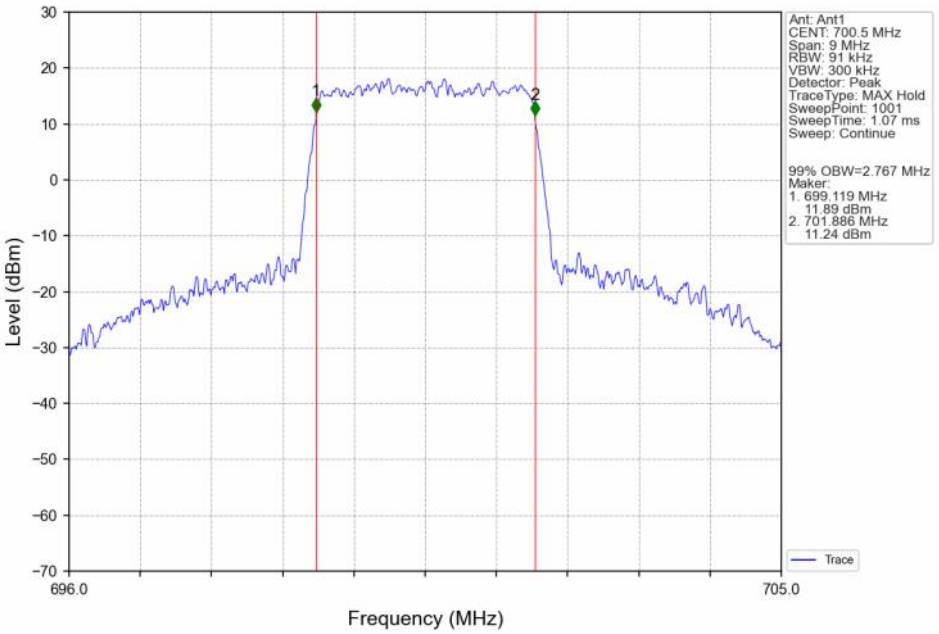
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



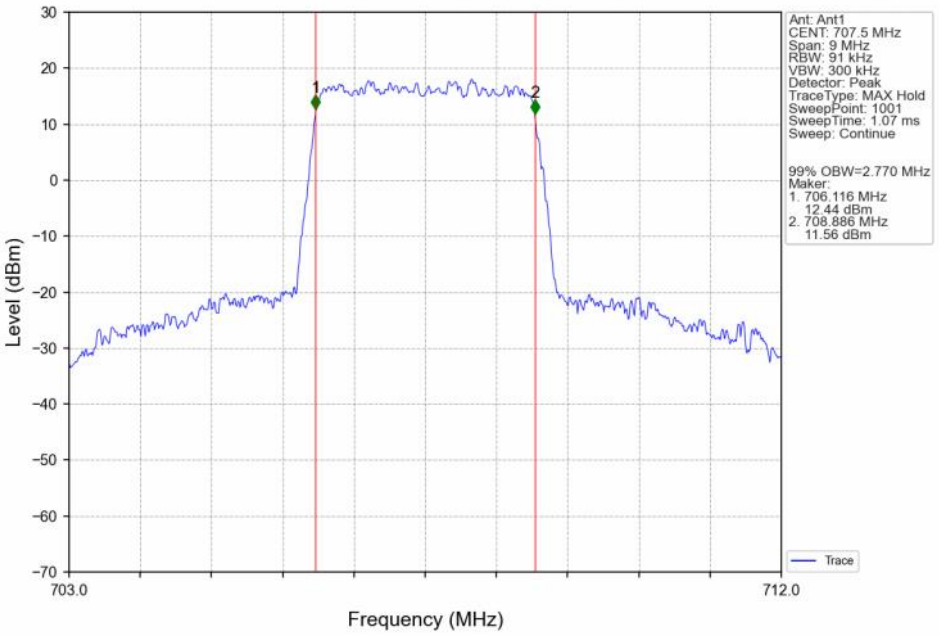
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



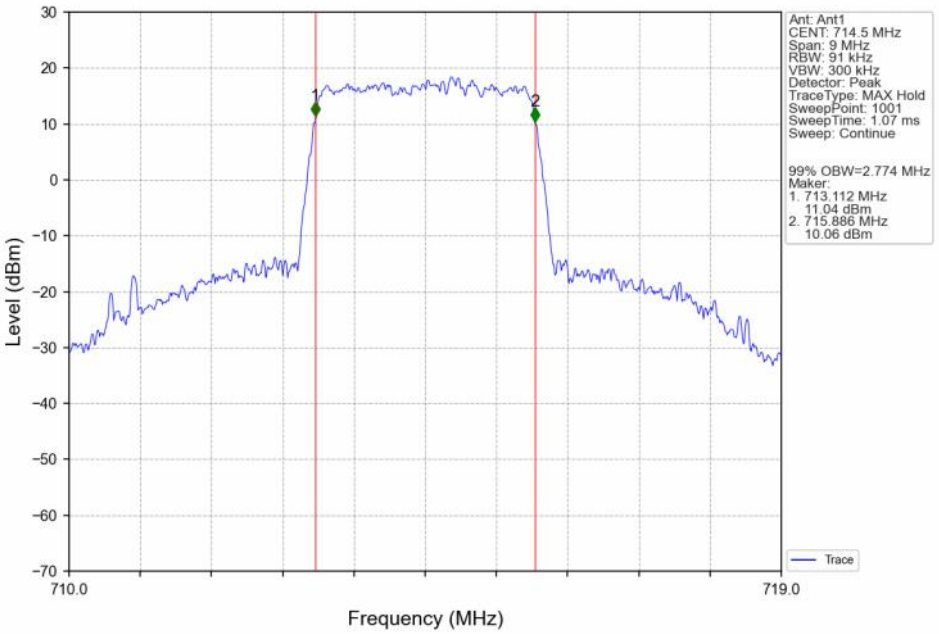
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



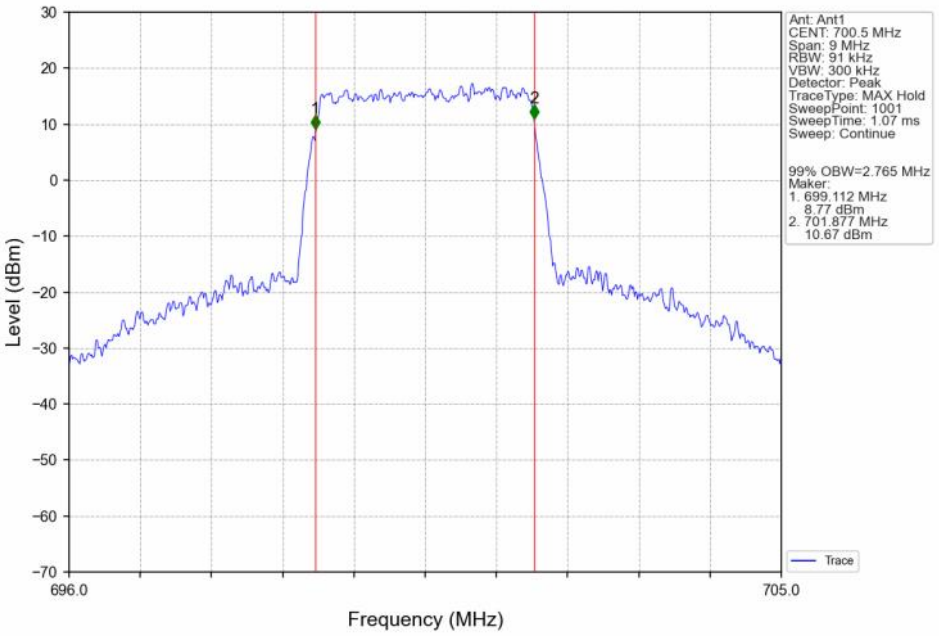
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



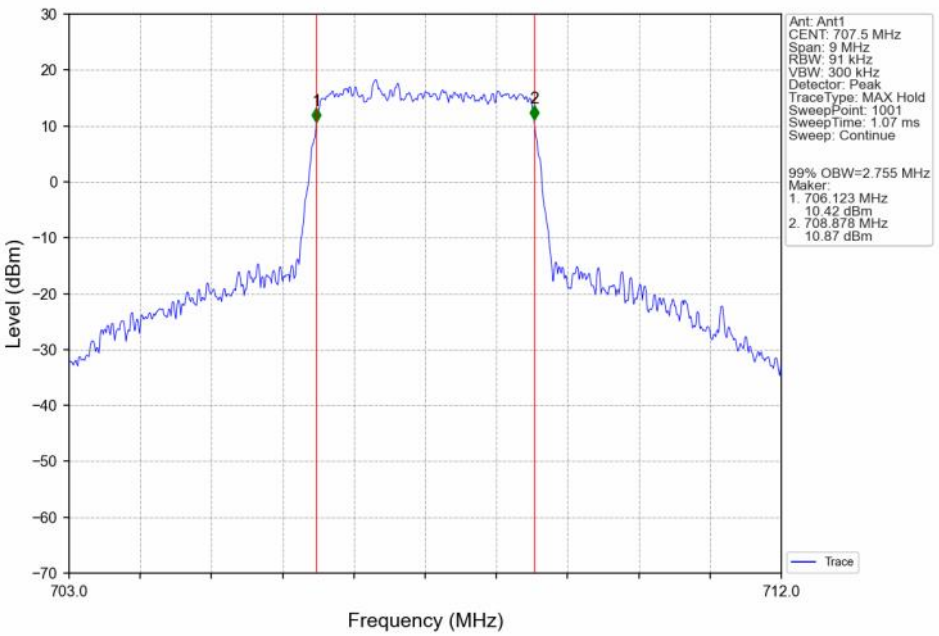
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



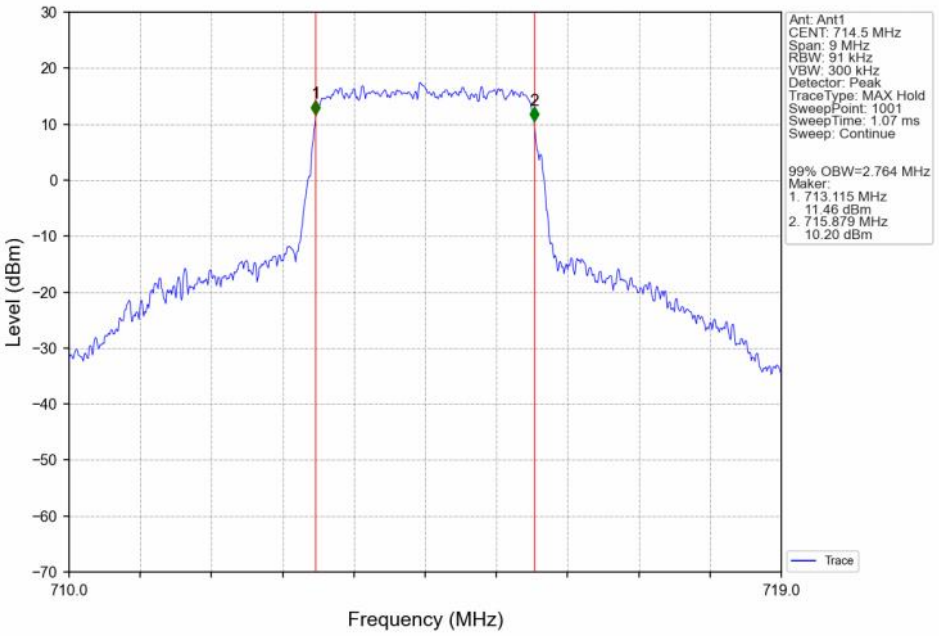
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



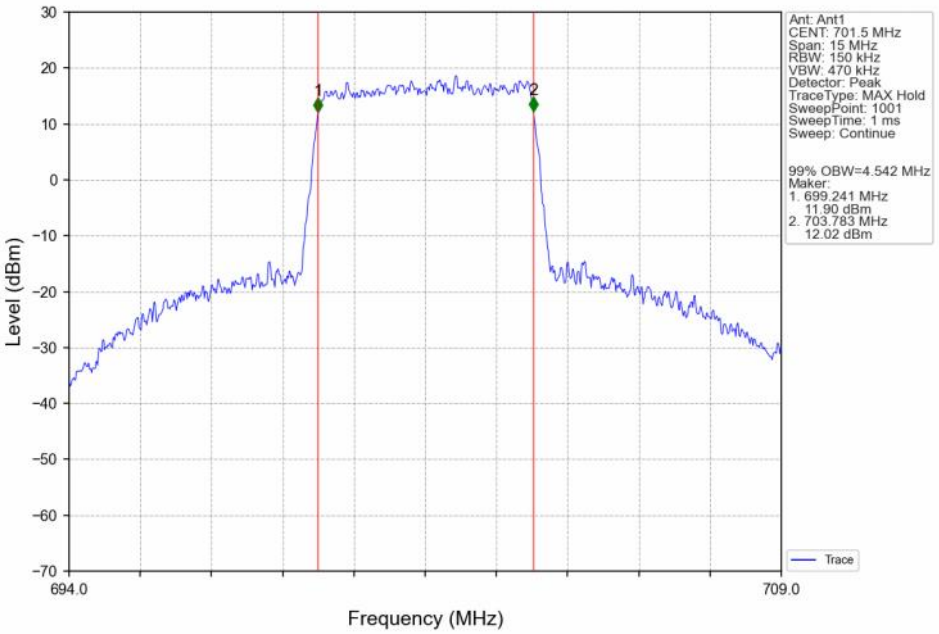
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



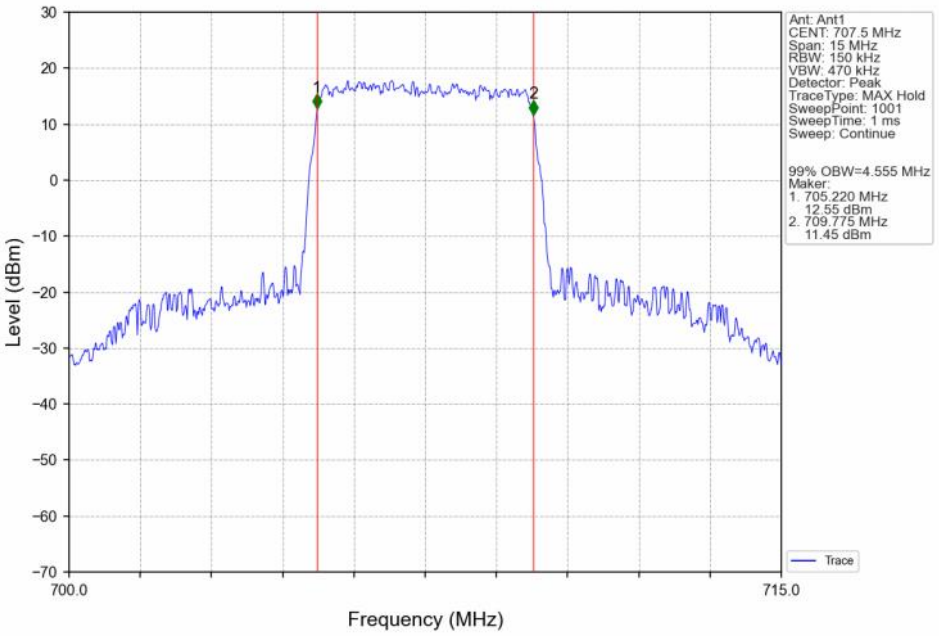
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



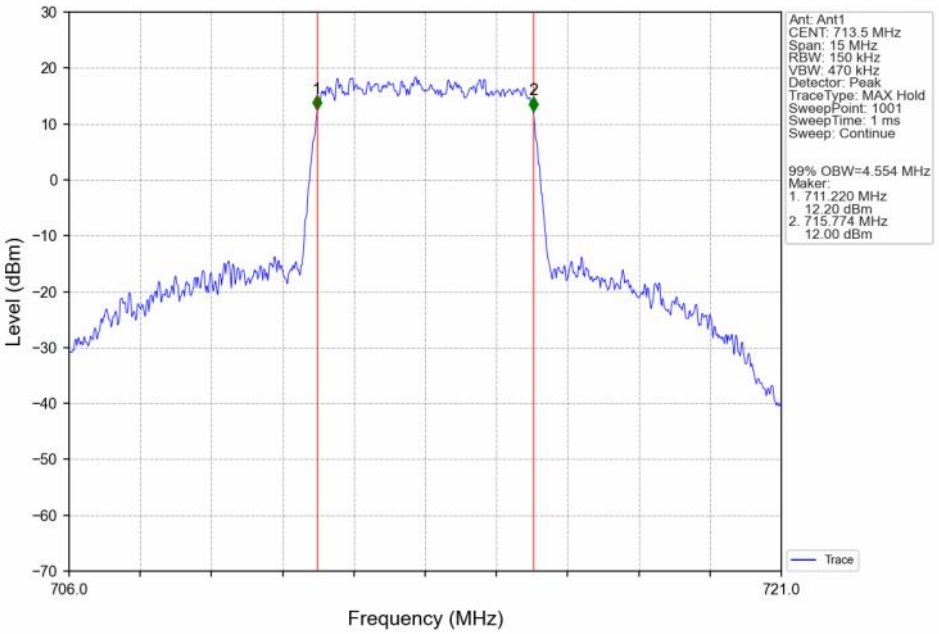
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



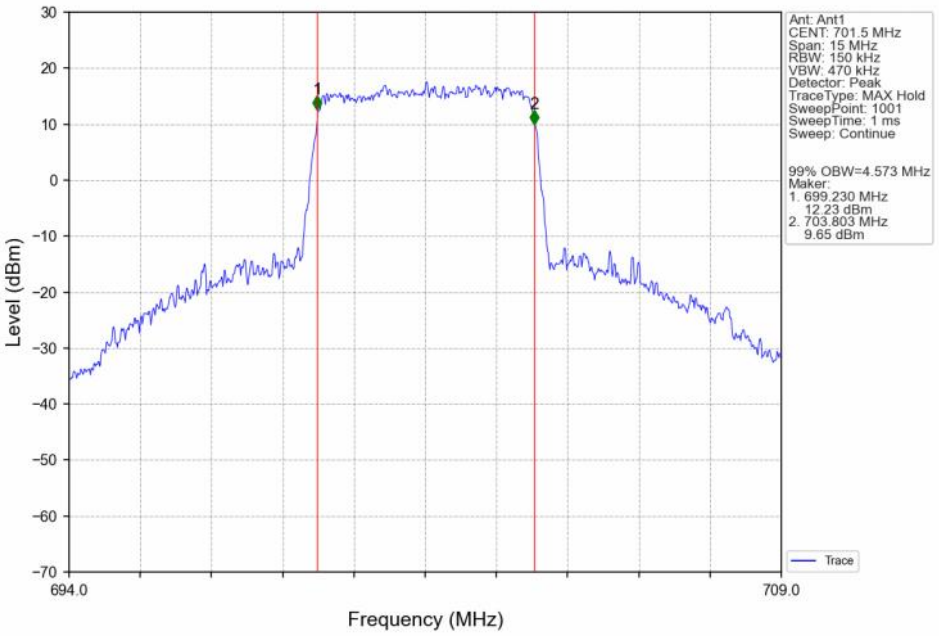
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



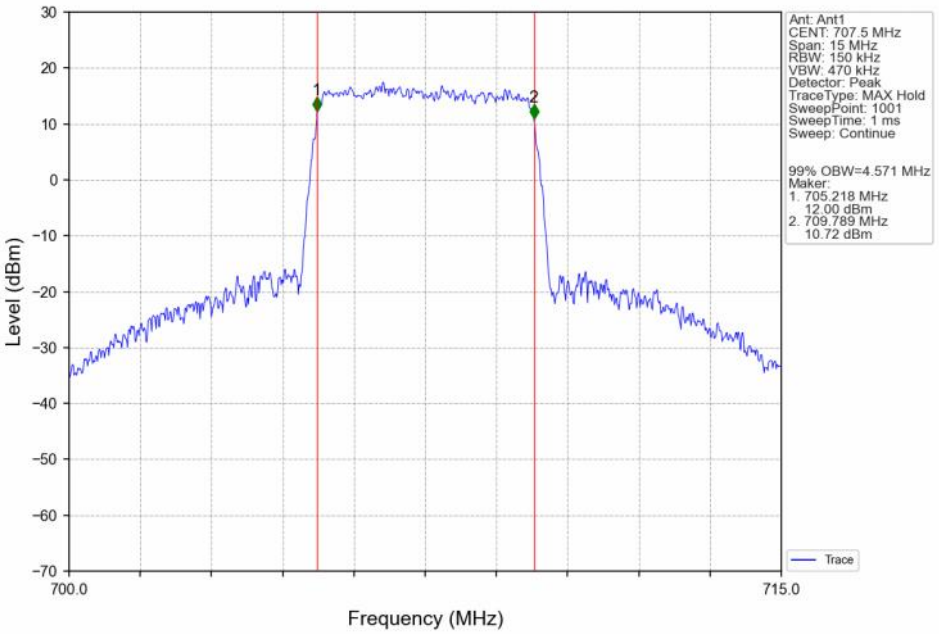
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



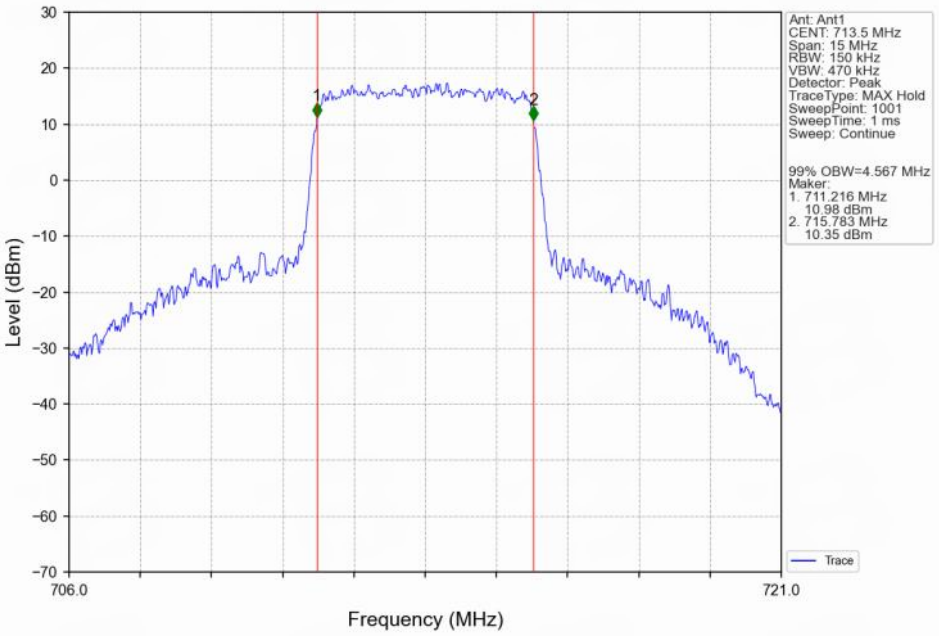
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



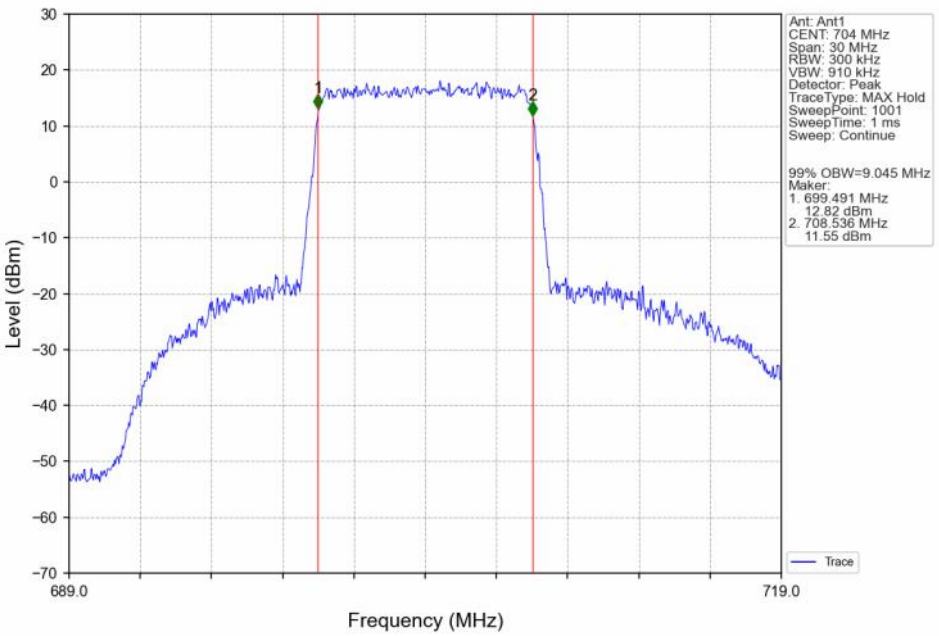
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



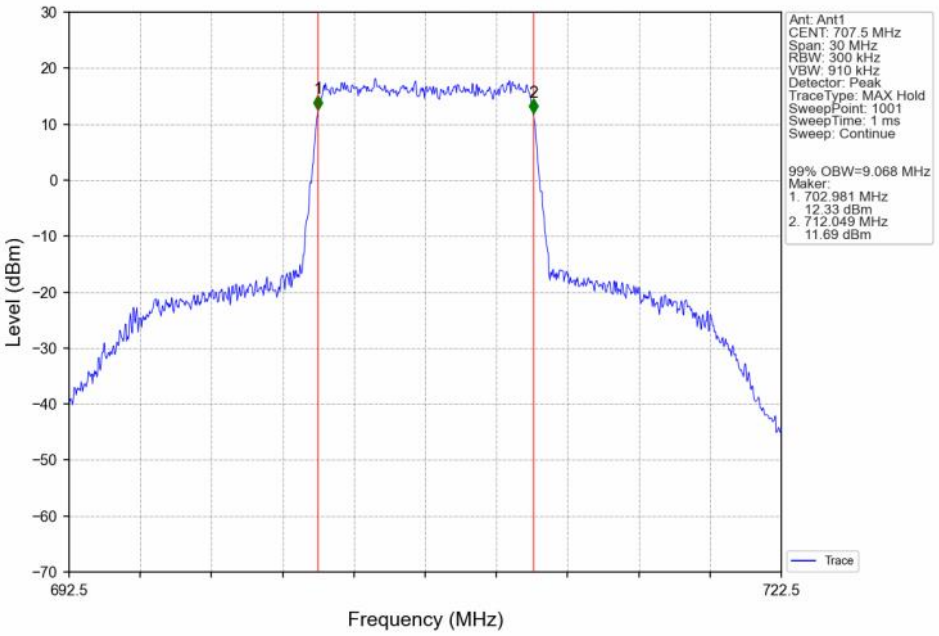
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



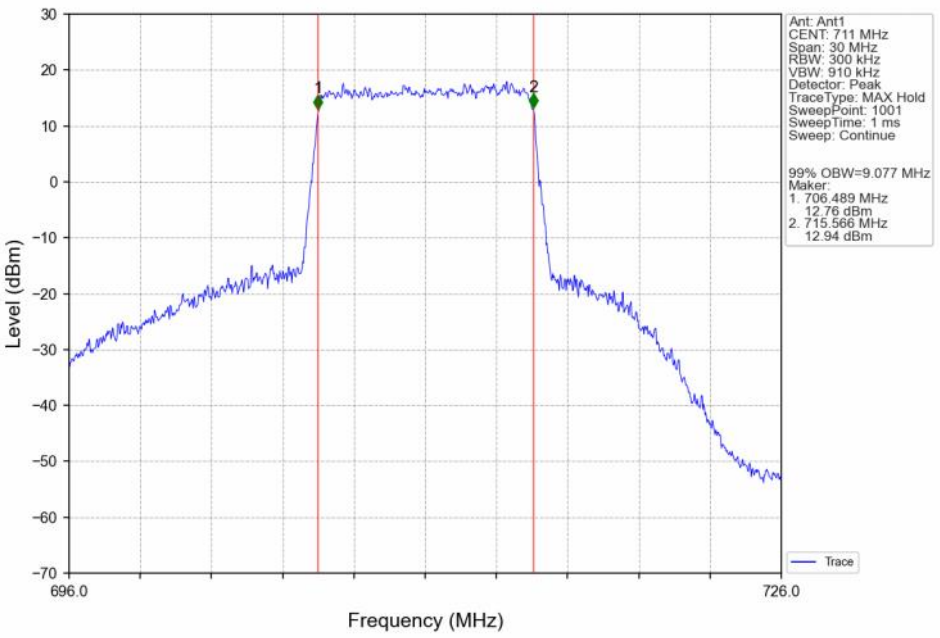
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



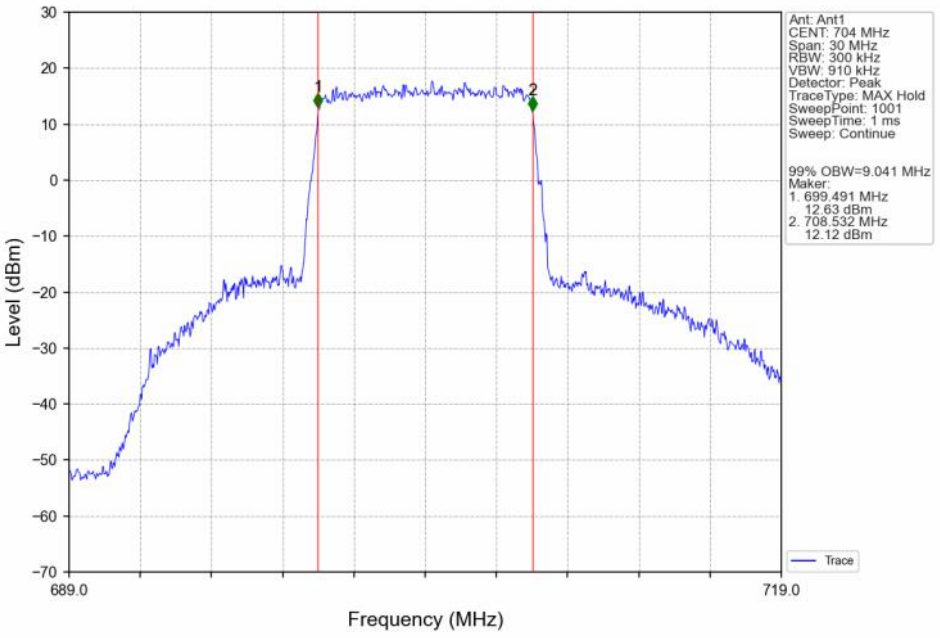
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



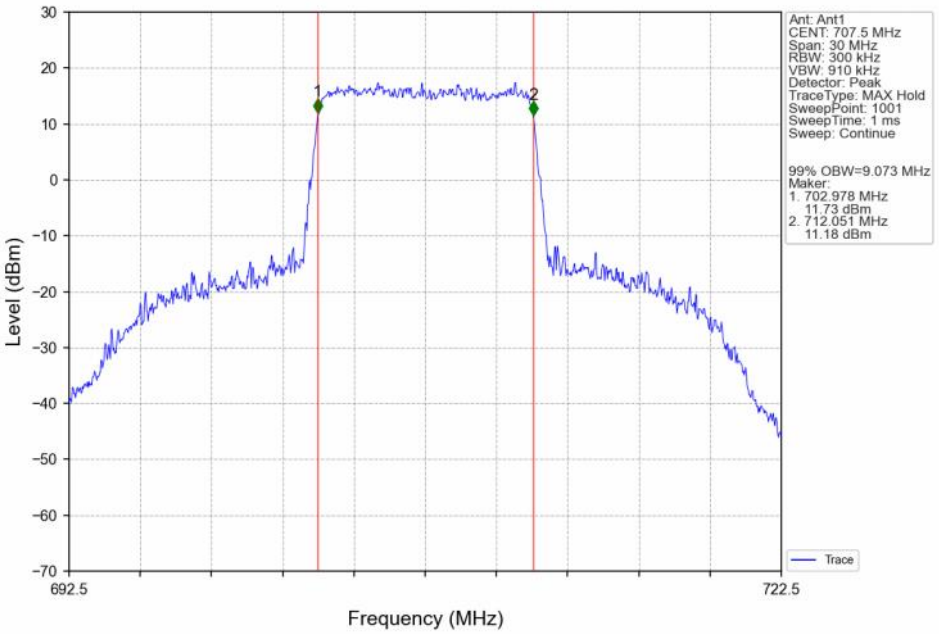
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



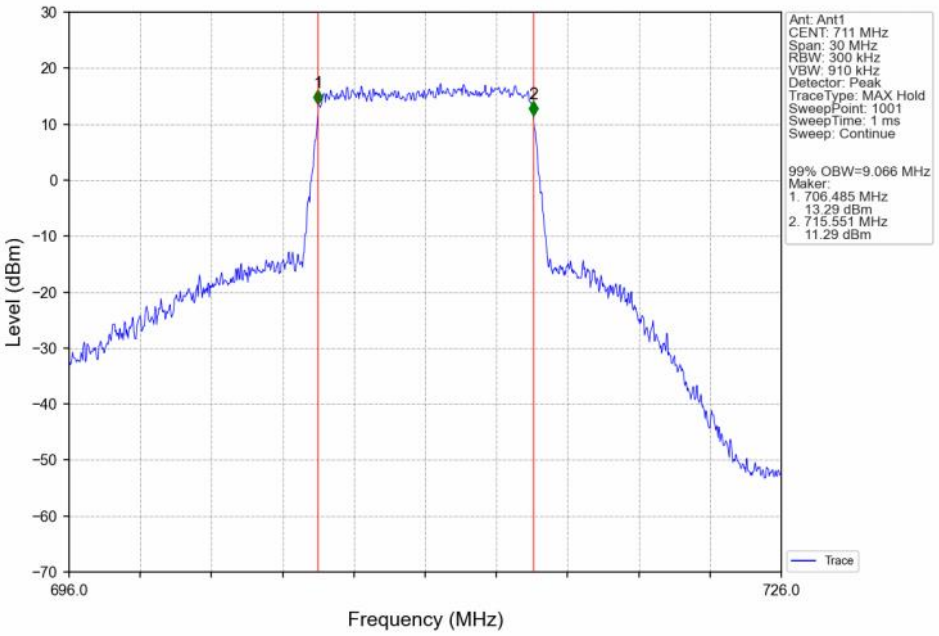
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



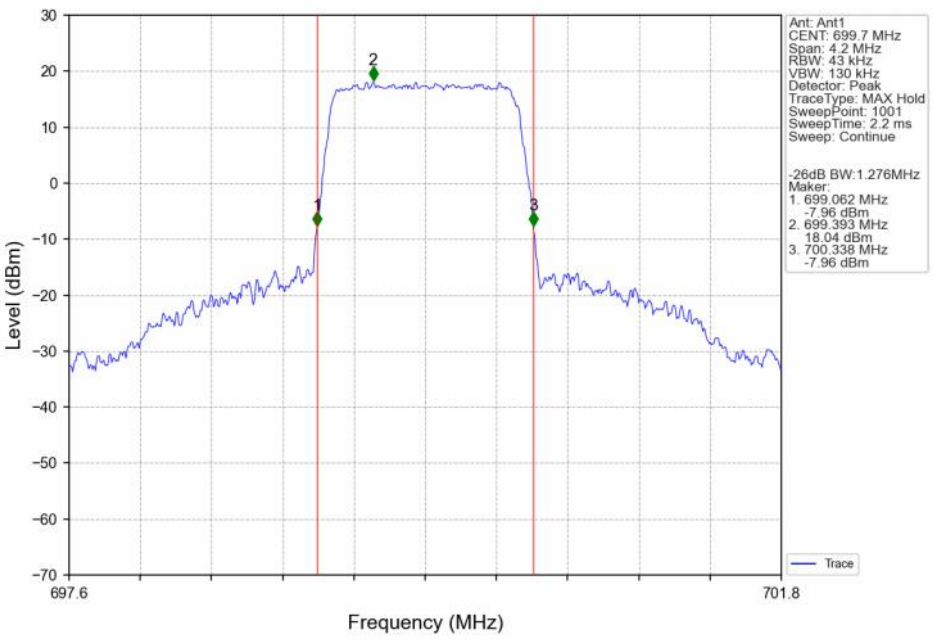
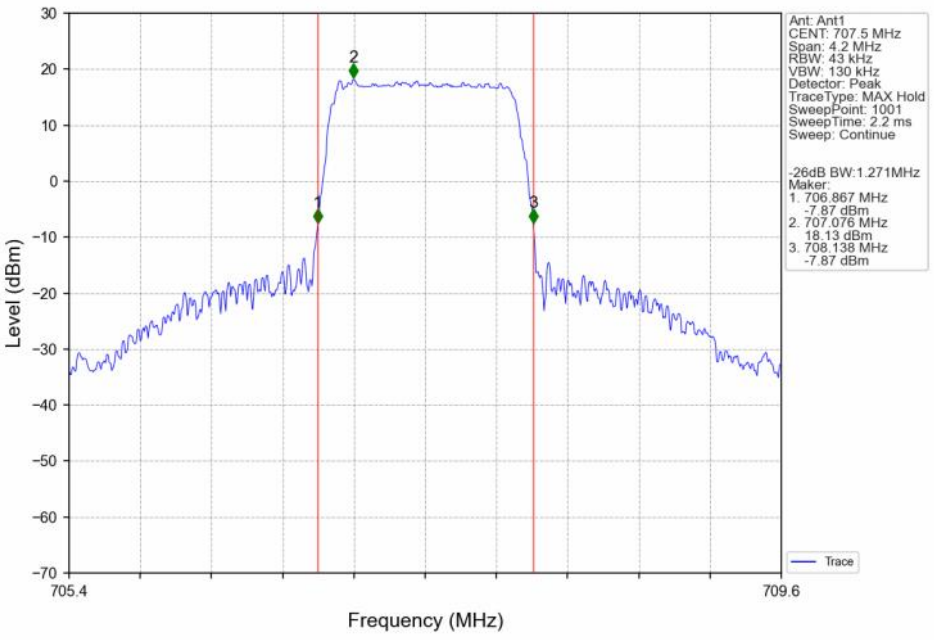
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



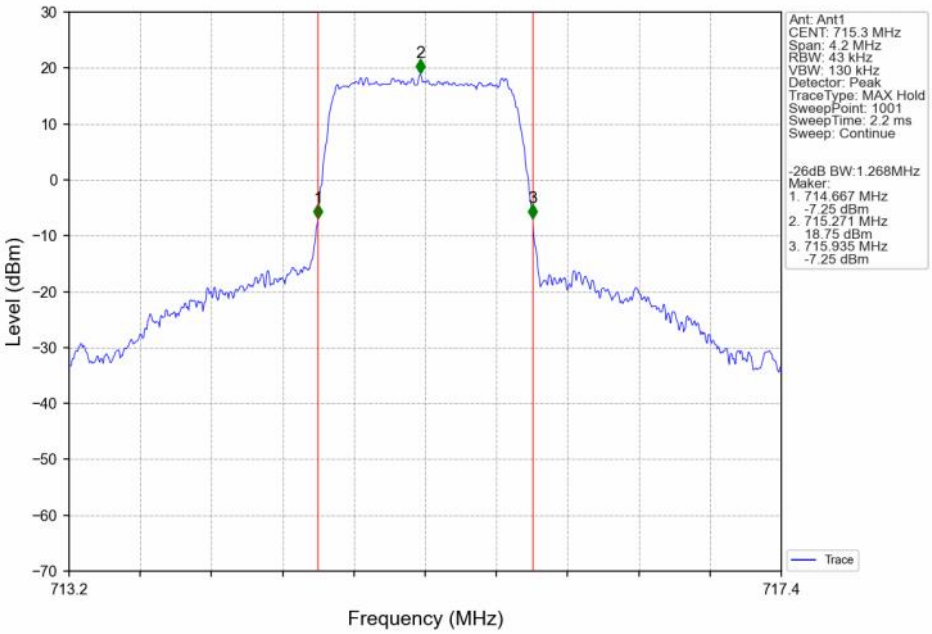
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



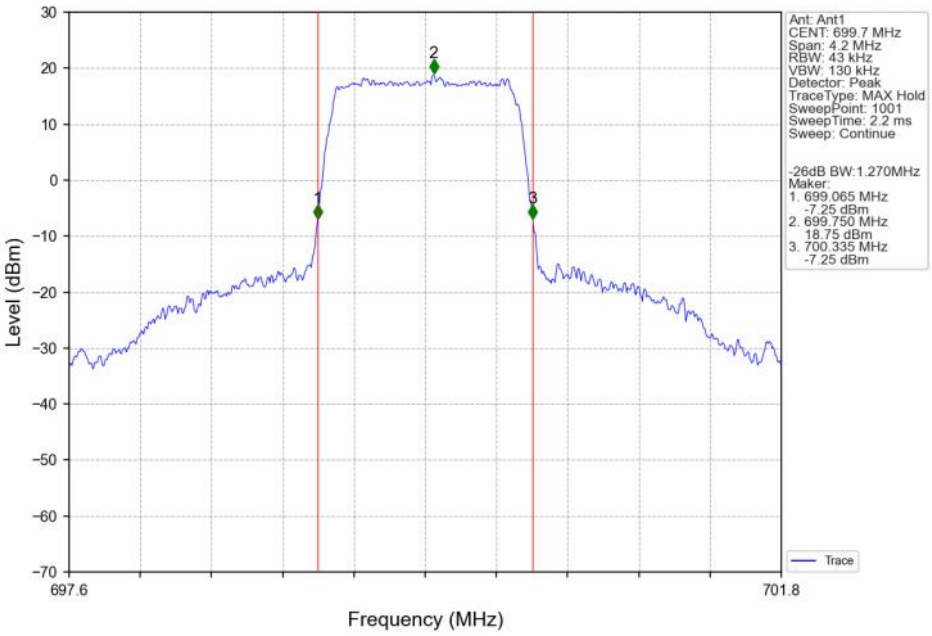
4.2.2 Band12_XDB

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


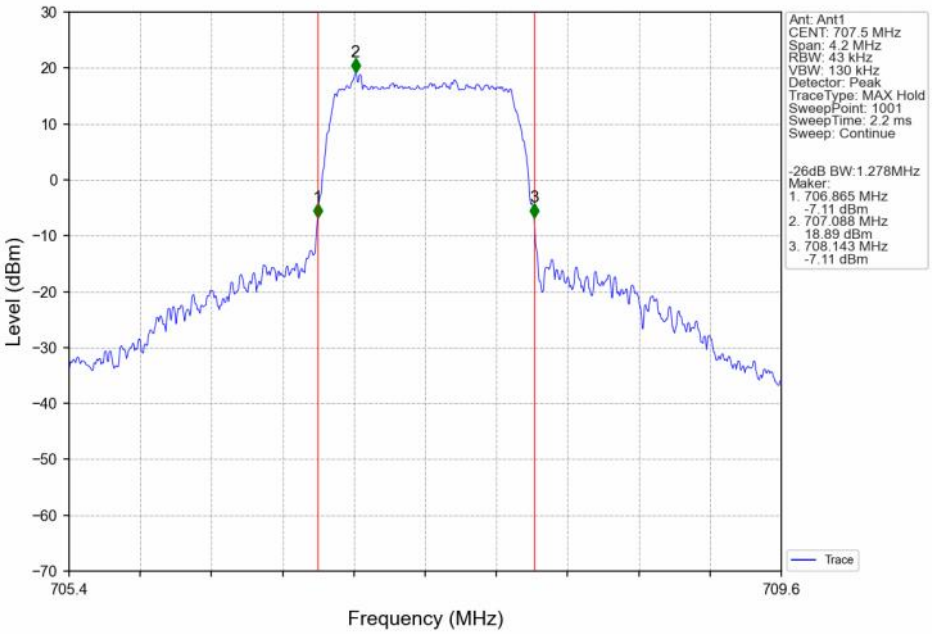
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



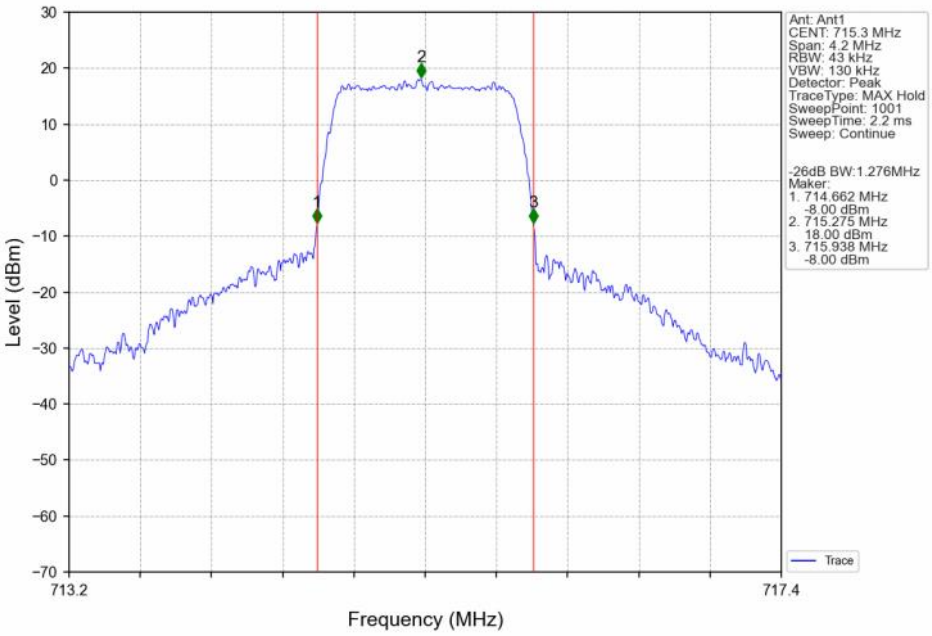
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



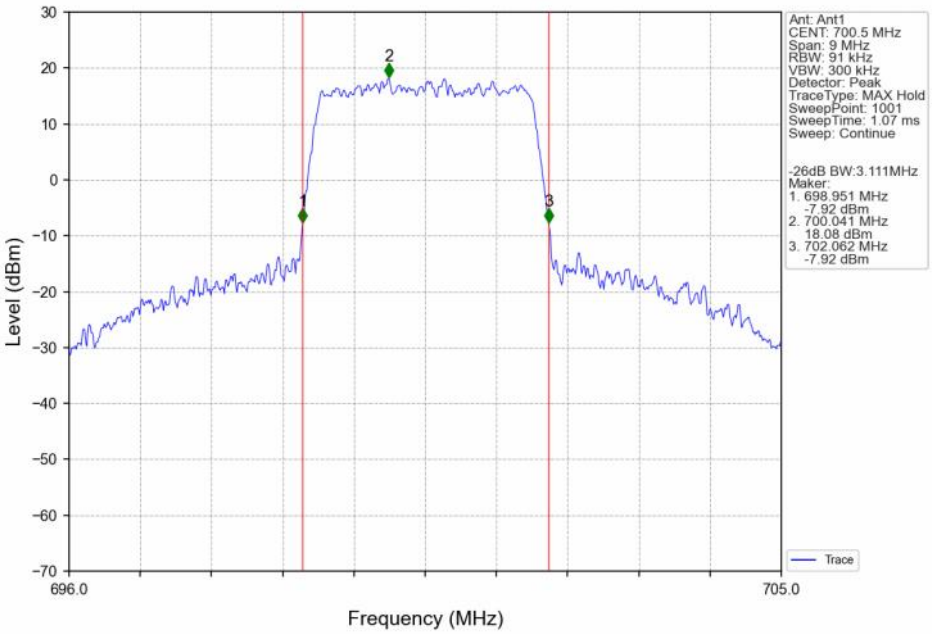
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



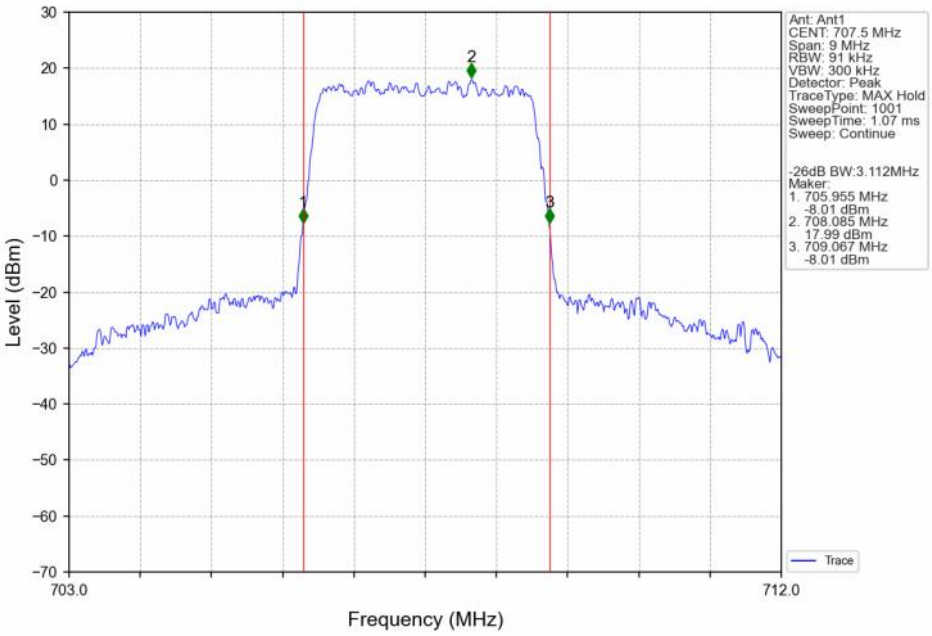
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



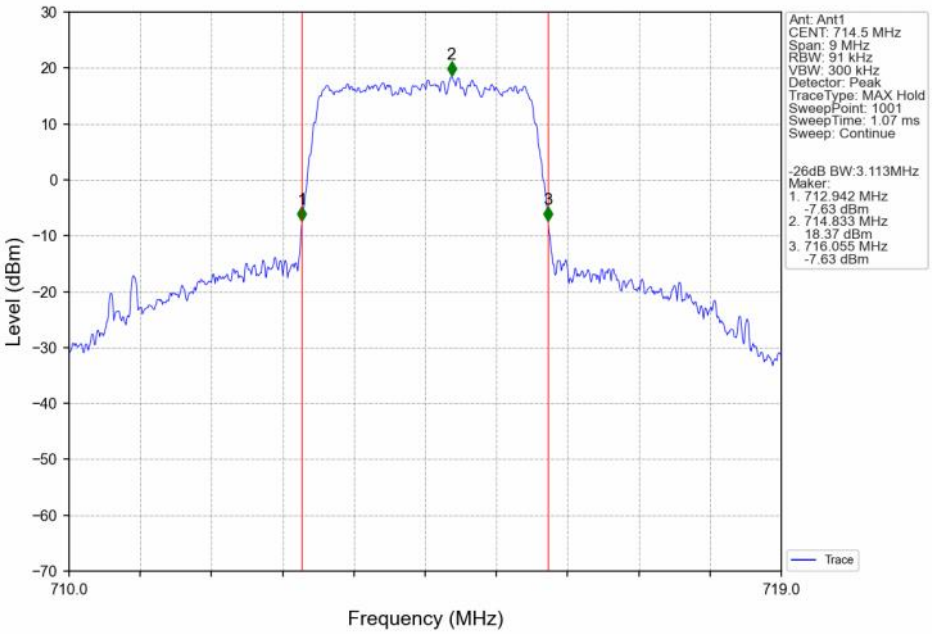
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



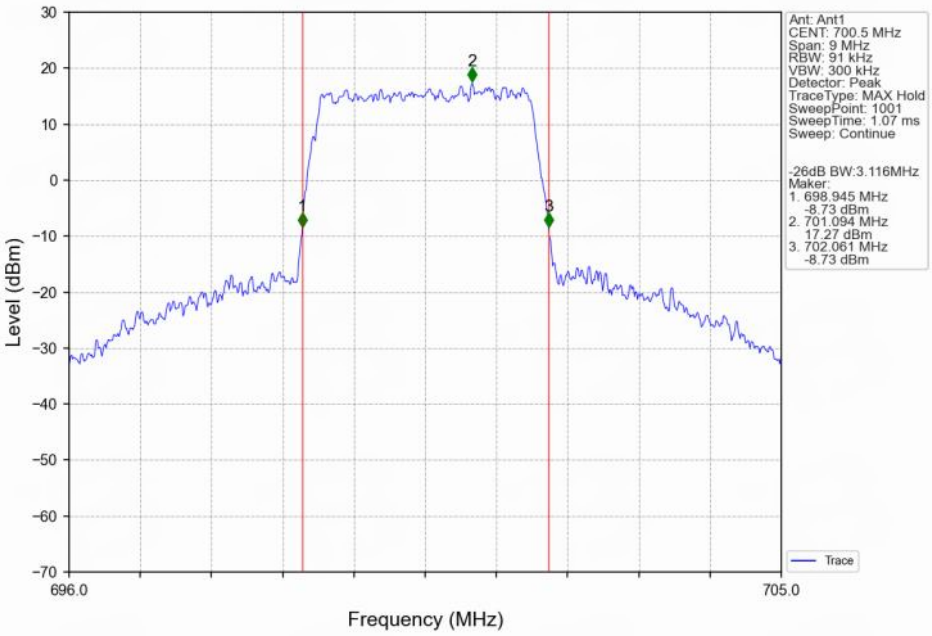
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



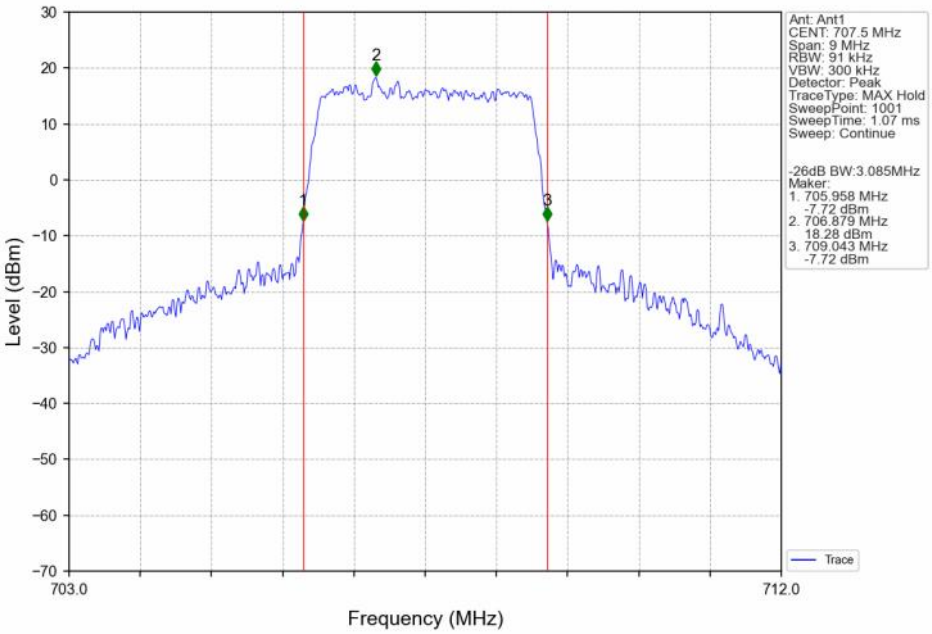
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



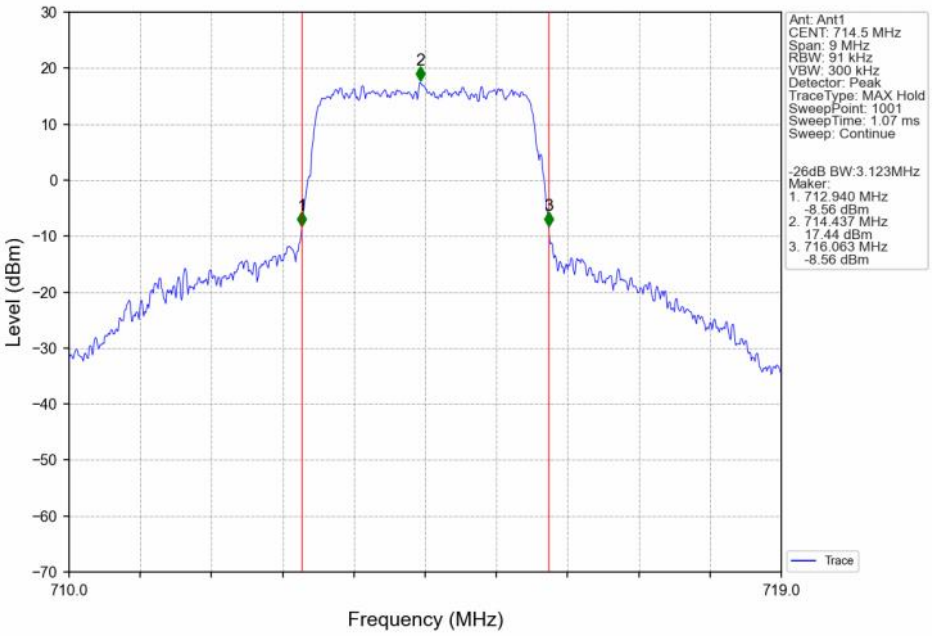
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



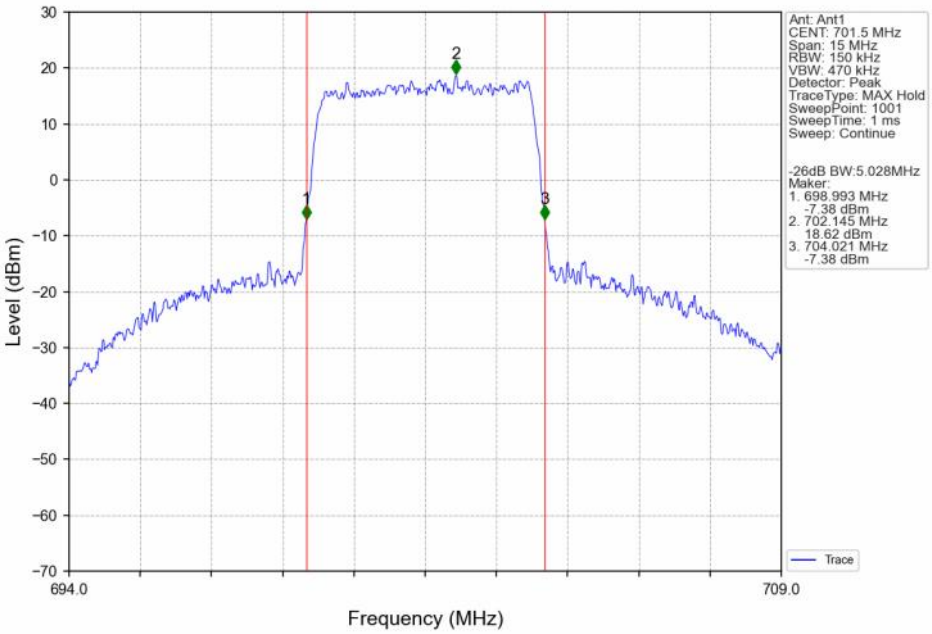
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



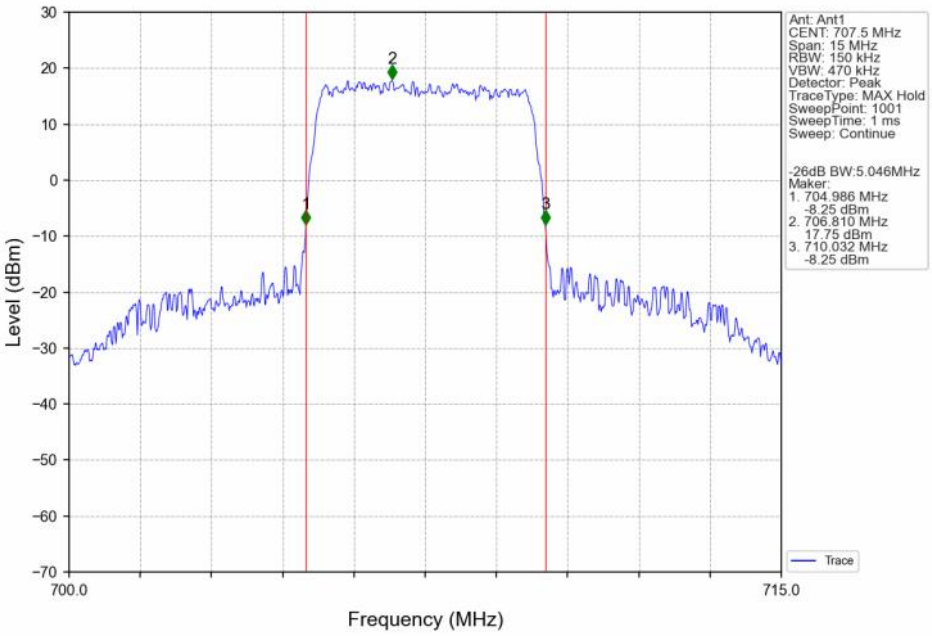
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



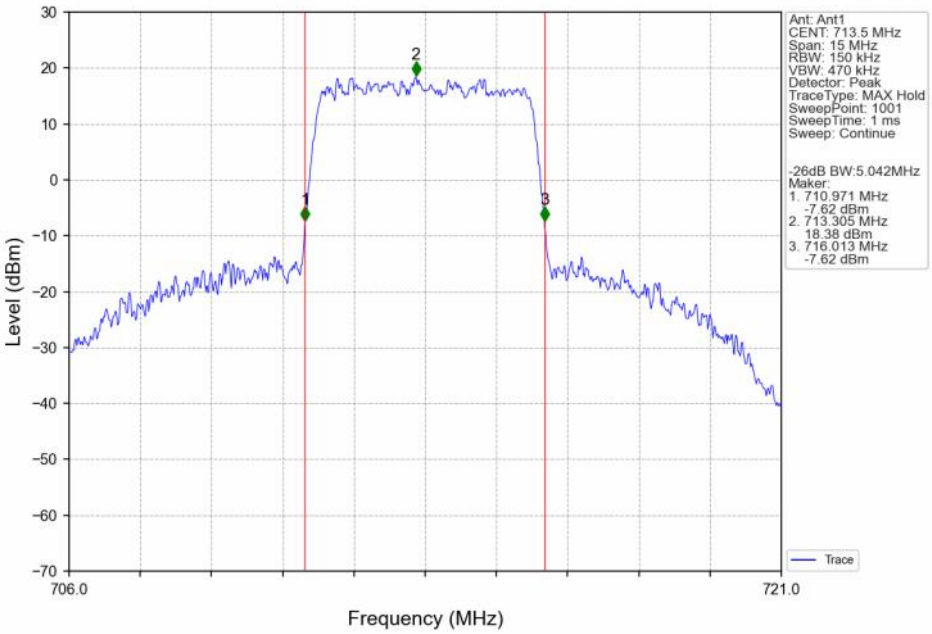
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



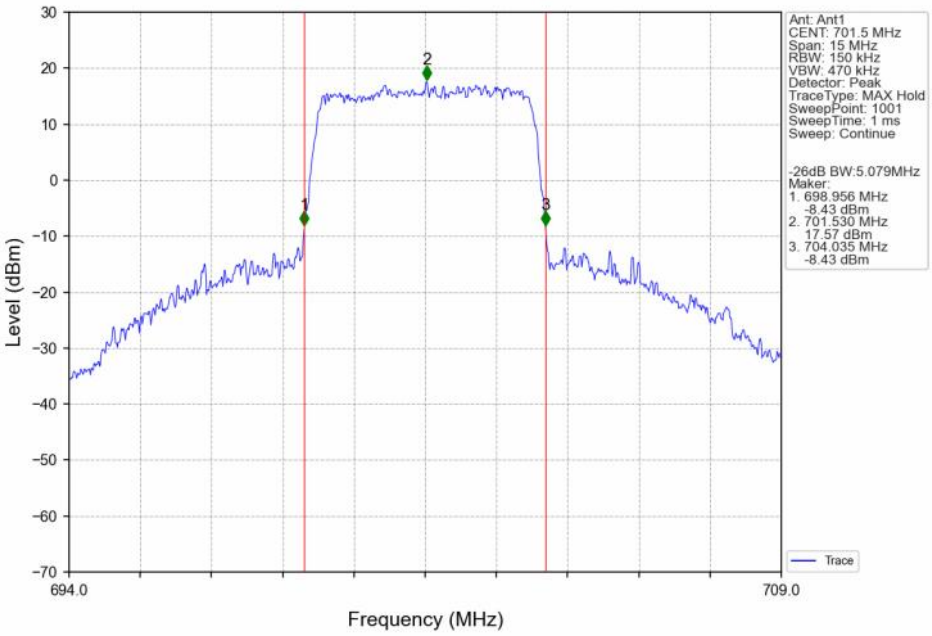
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



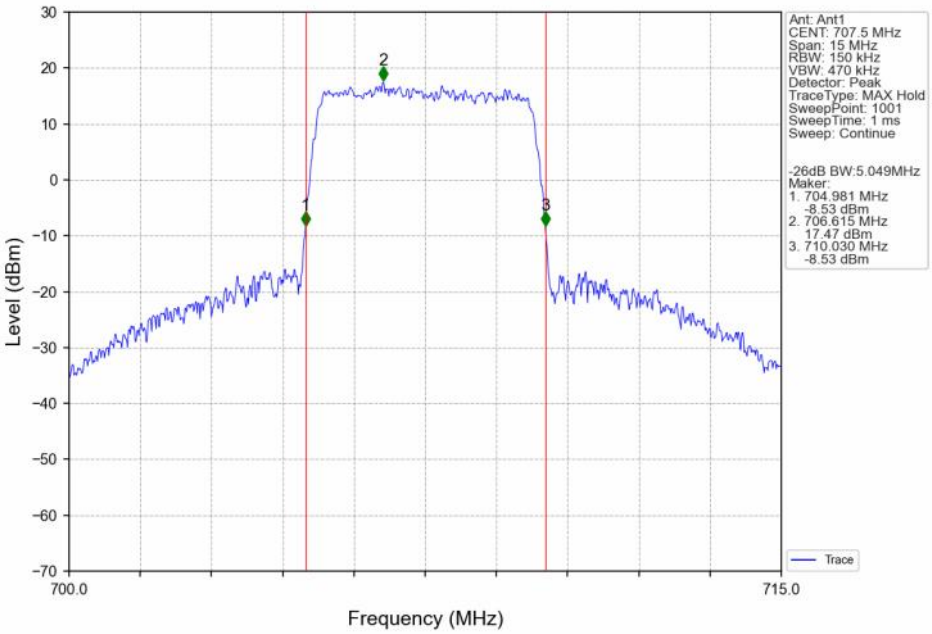
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



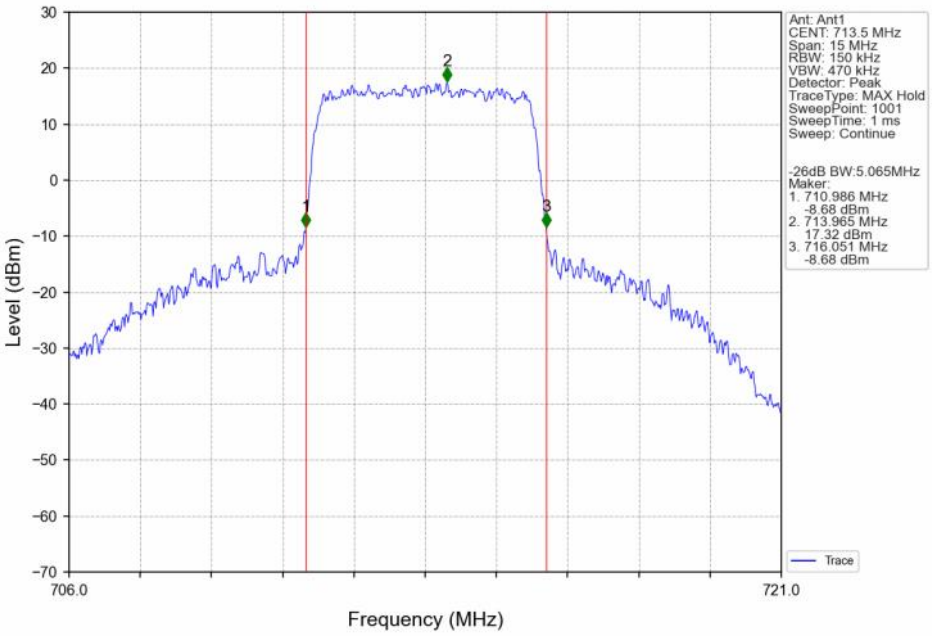
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



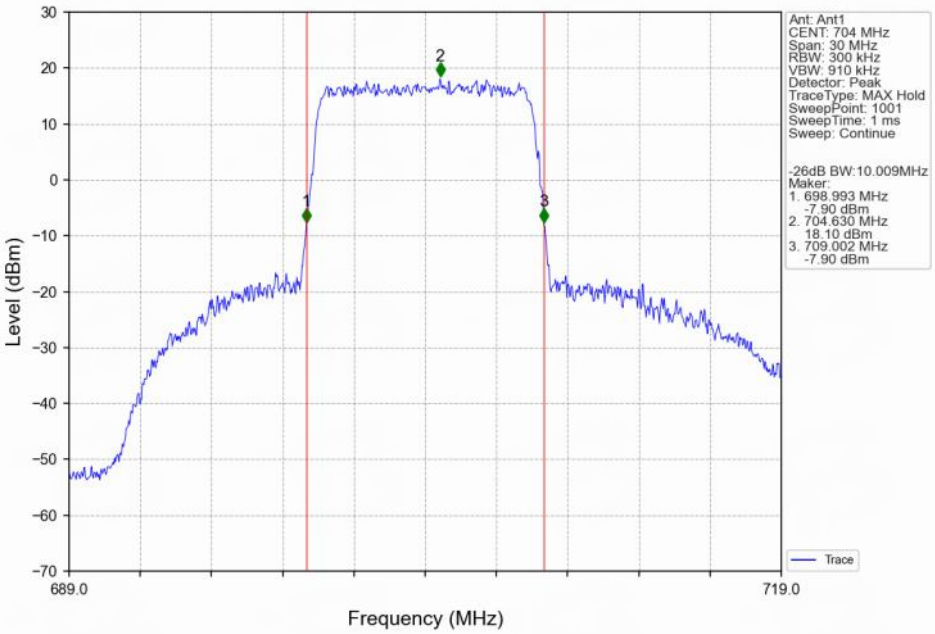
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



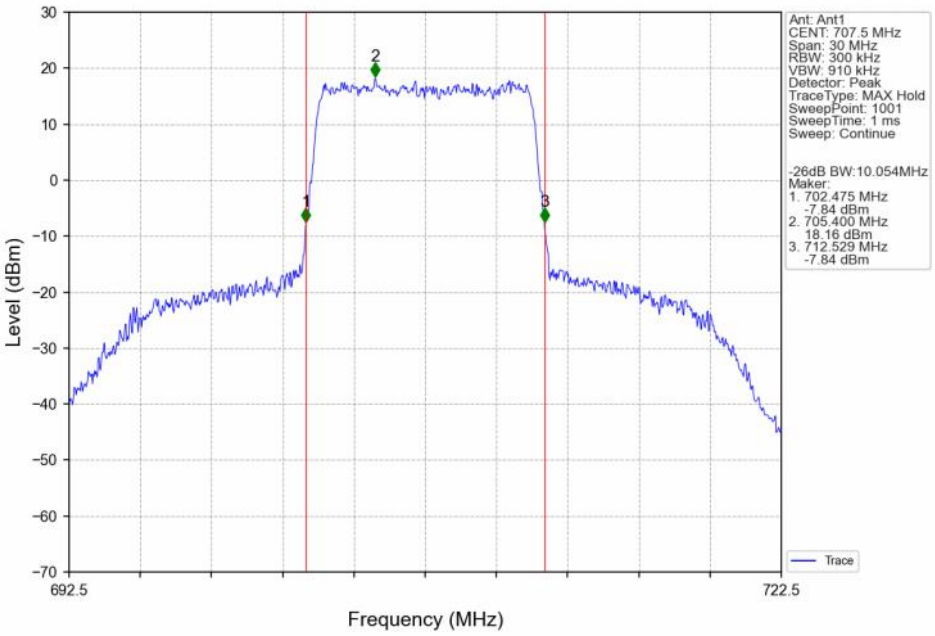
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



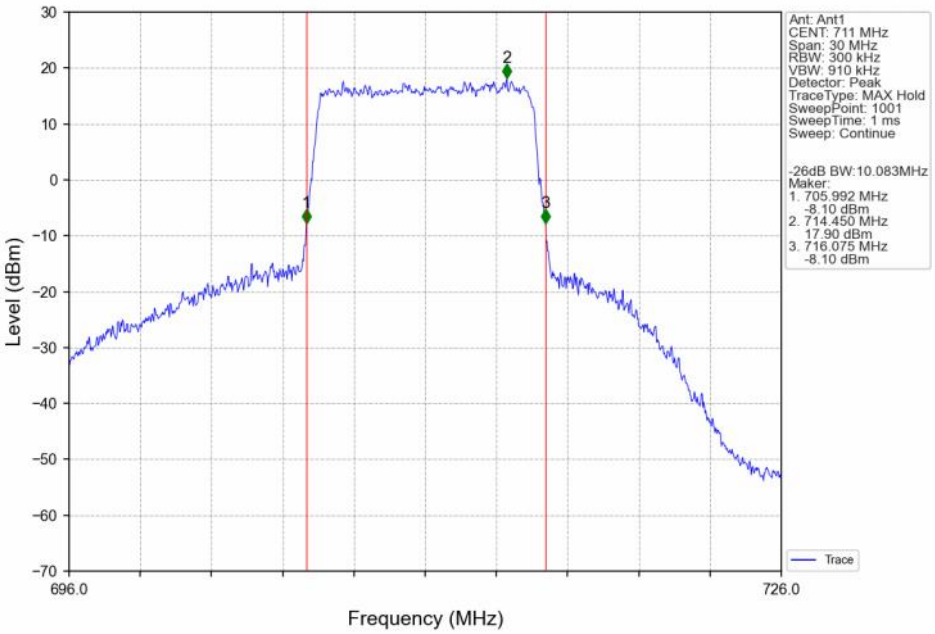
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



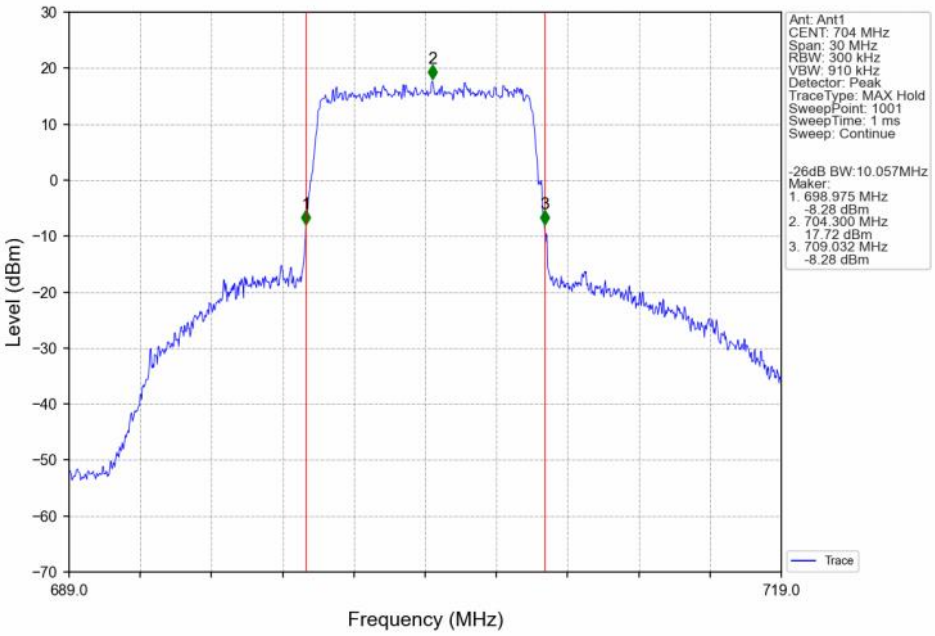
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



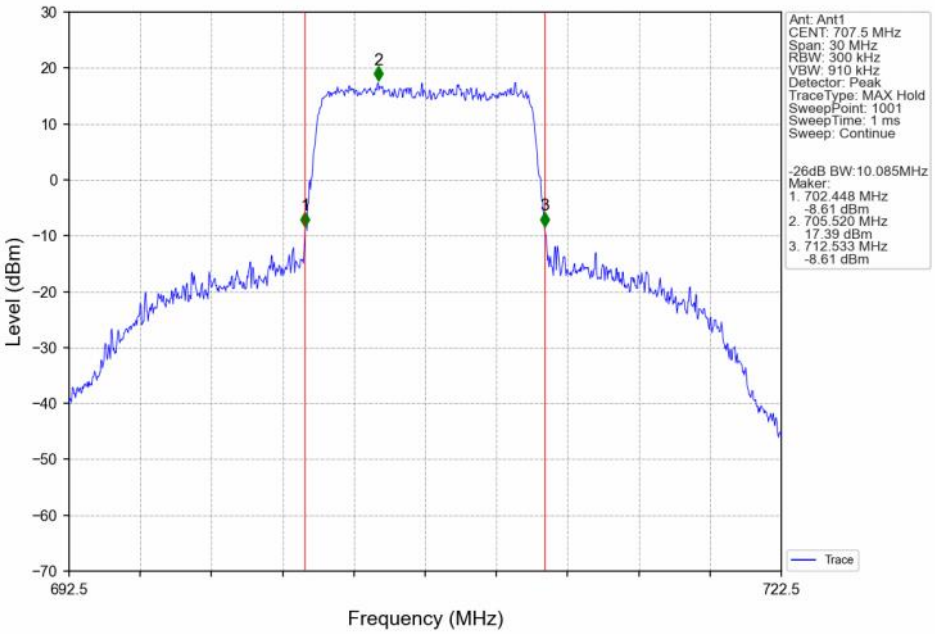
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



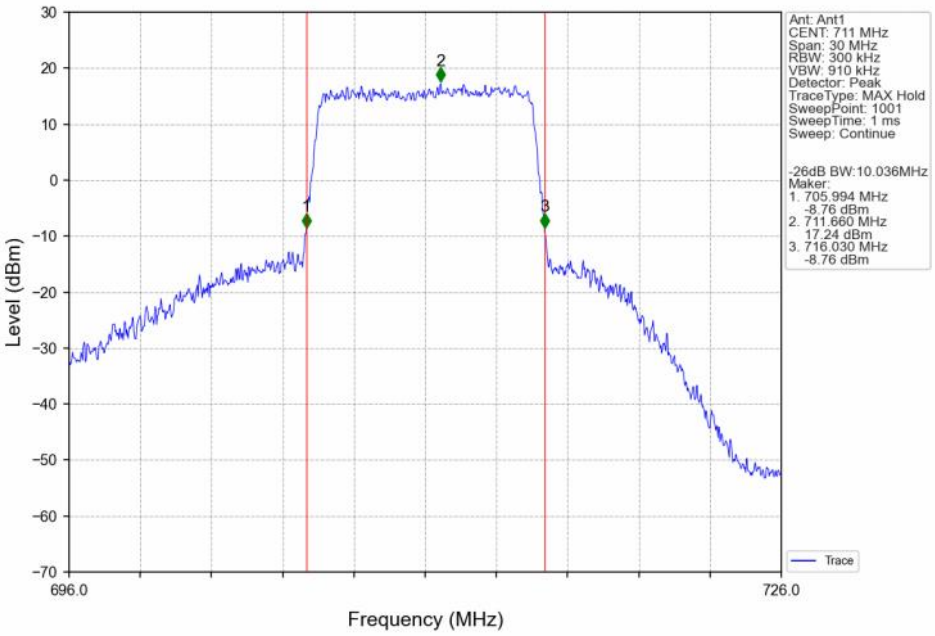
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.33	<=13	Pass
	707.5	6	0	5.34	<=13	Pass
	715.3	6	0	5.37	<=13	Pass
16QAM	699.7	6	0	3.82	<=13	Pass
	707.5	6	0	4.27	<=13	Pass
	715.3	6	0	3.94	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.42	<=13	Pass
	707.5	15	0	5.45	<=13	Pass
	714.5	15	0	5.33	<=13	Pass
16QAM	700.5	15	0	3.70	<=13	Pass
	707.5	15	0	4.32	<=13	Pass
	714.5	15	0	3.85	<=13	Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.47	<=13	Pass
	707.5	25	0	5.60	<=13	Pass
	713.5	25	0	5.39	<=13	Pass
16QAM	701.5	25	0	4.36	<=13	Pass
	707.5	25	0	4.82	<=13	Pass
	713.5	25	0	4.18	<=13	Pass

5.1.4 B12_10MHz

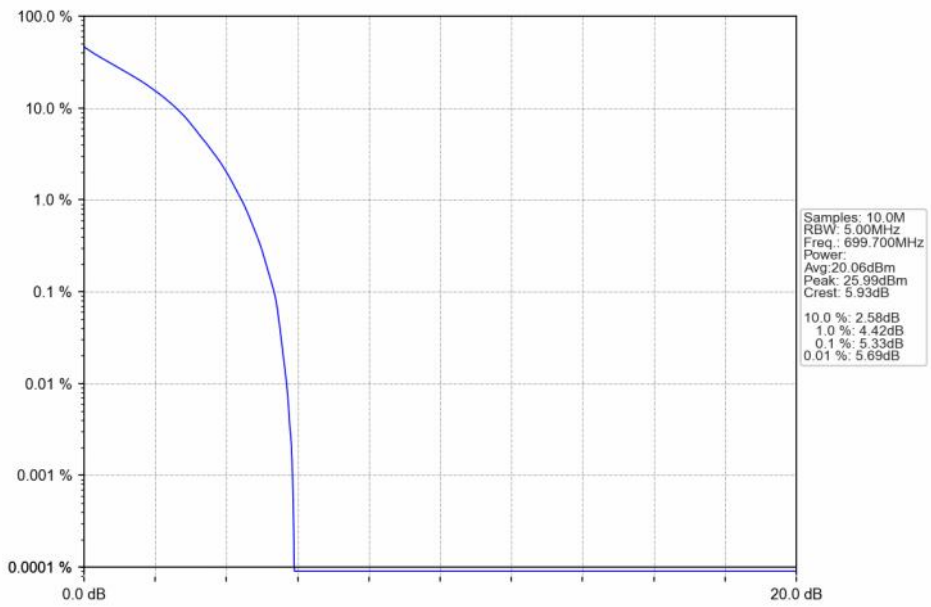
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.43	<=13	Pass
	707.5	50	0	5.61	<=13	Pass
	711	50	0	5.56	<=13	Pass
16QAM	704	50	0	4.63	<=13	Pass
	707.5	50	0	4.79	<=13	Pass

	711	50	0	4.57	<=13	Pass

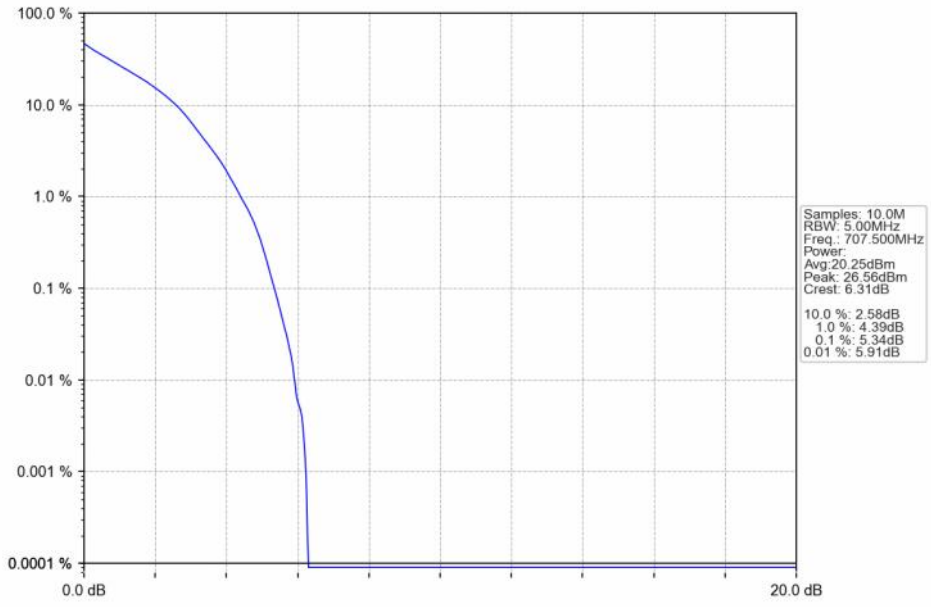
5.2 Test Graph

5.2.1 B12_1.4MHz

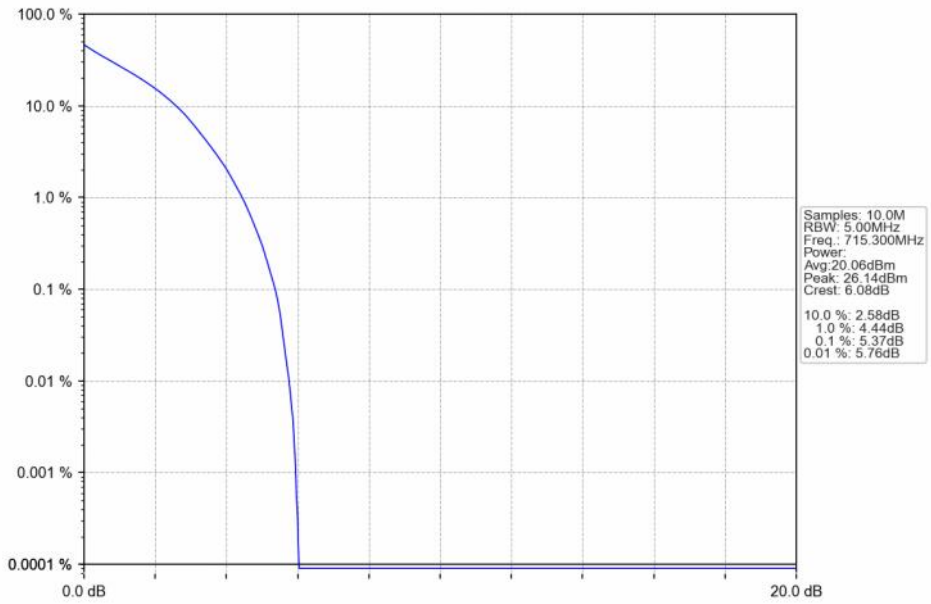
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



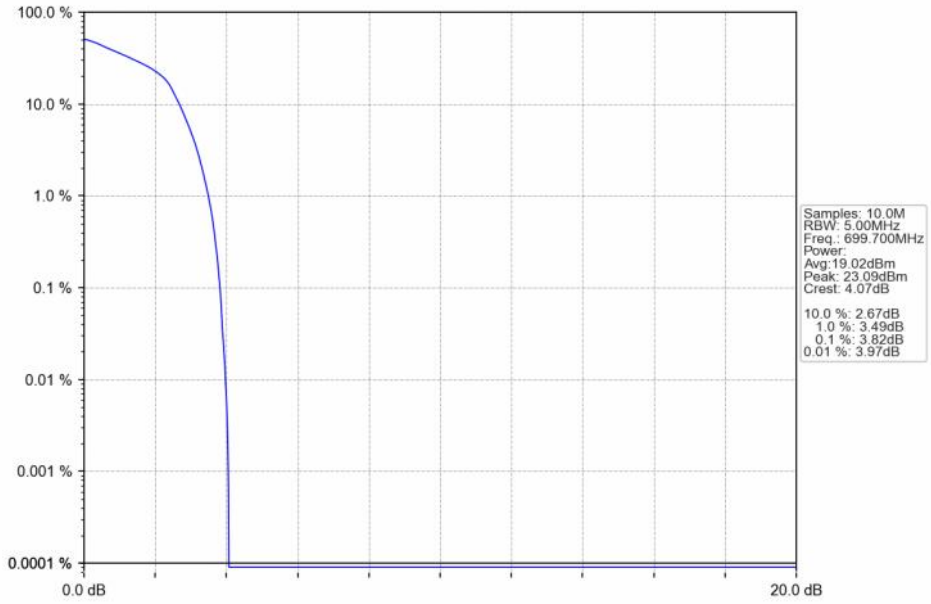
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



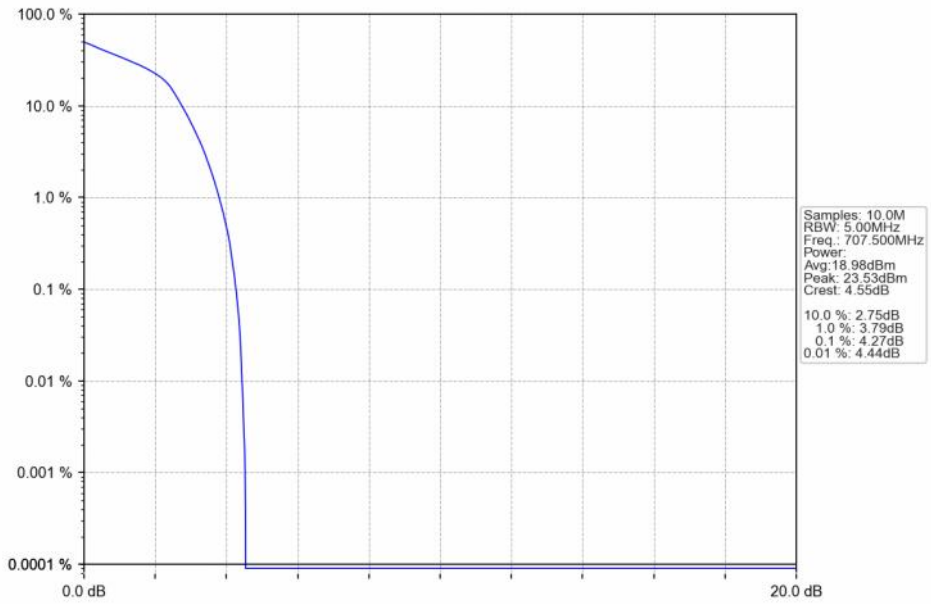
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



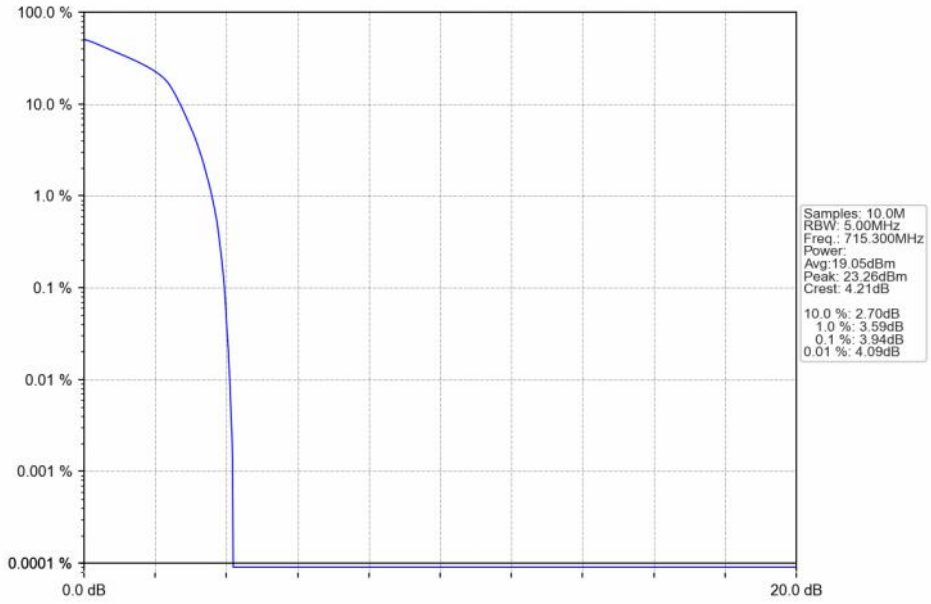
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

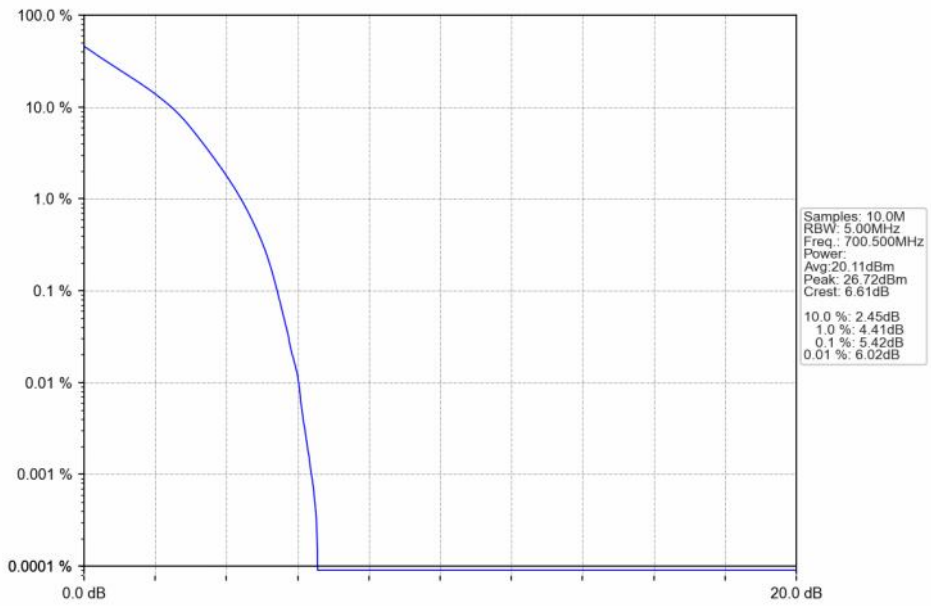


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

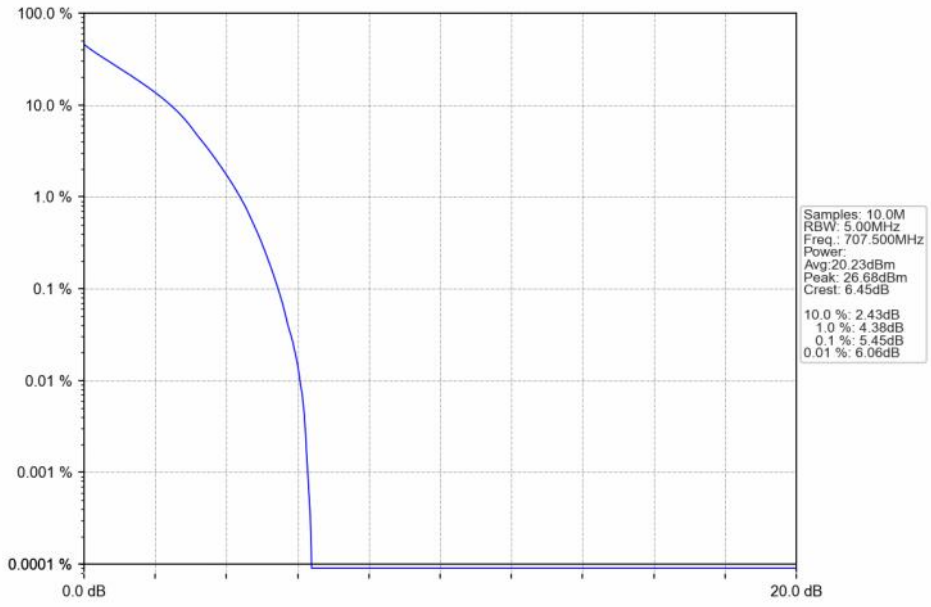


5.2.2 B12_3MHz

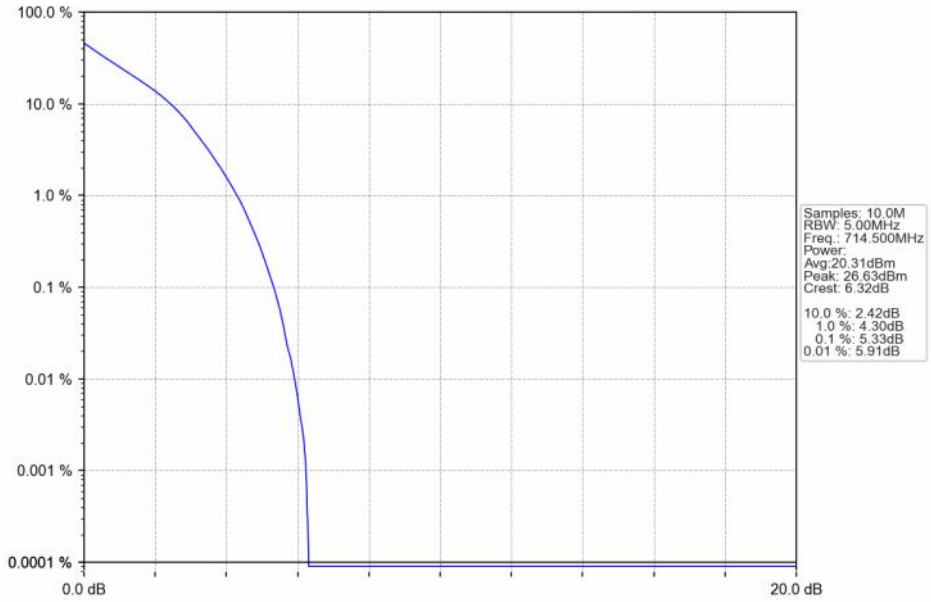
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



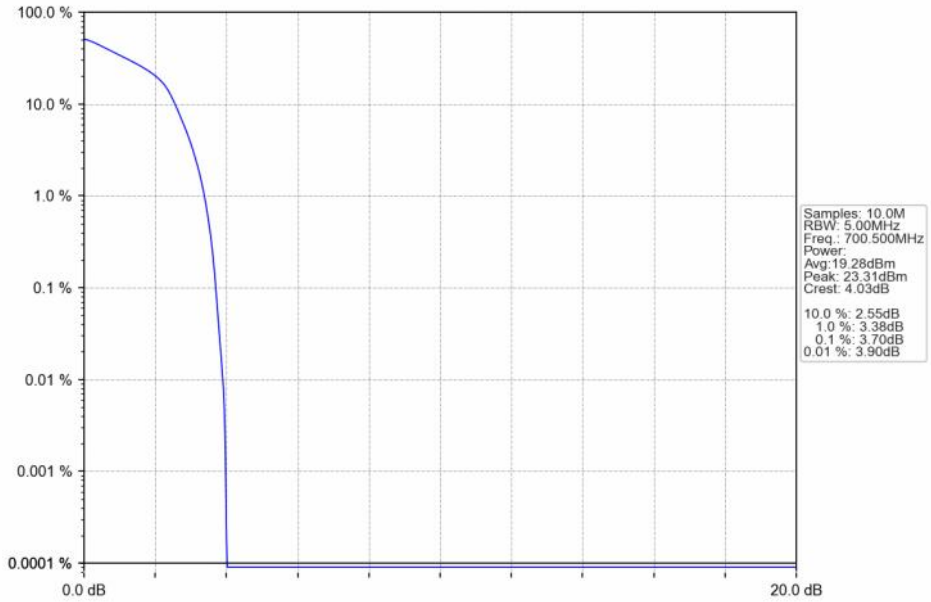
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



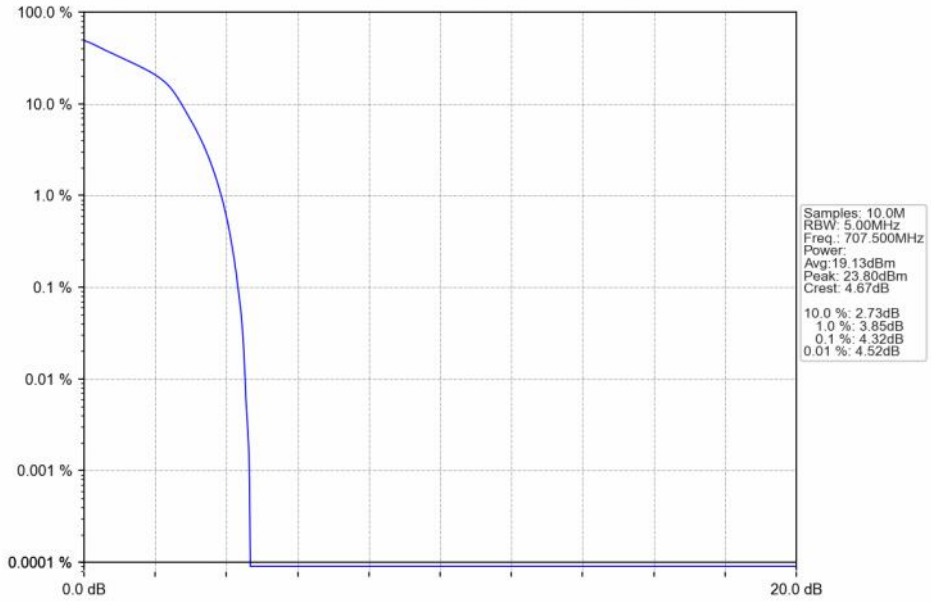
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



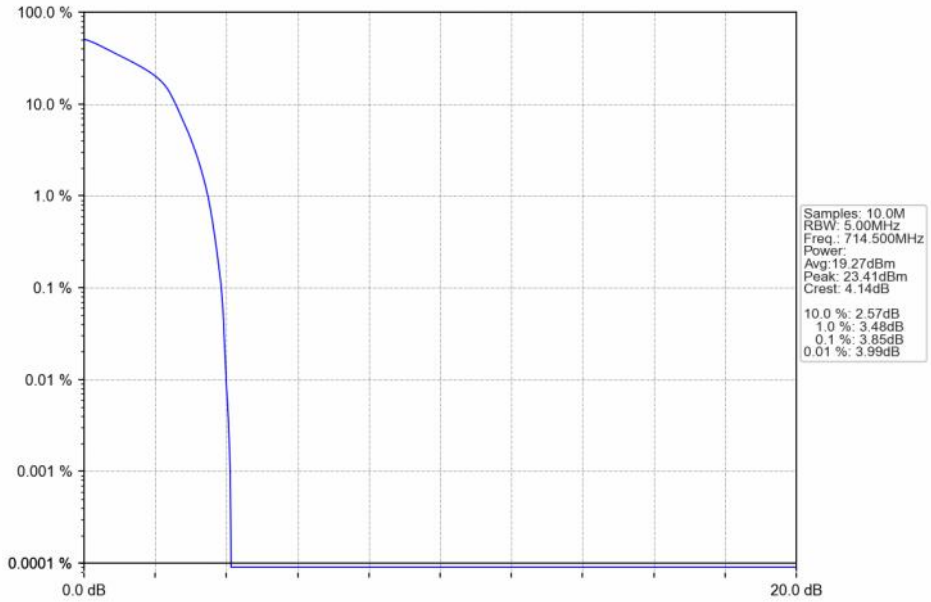
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

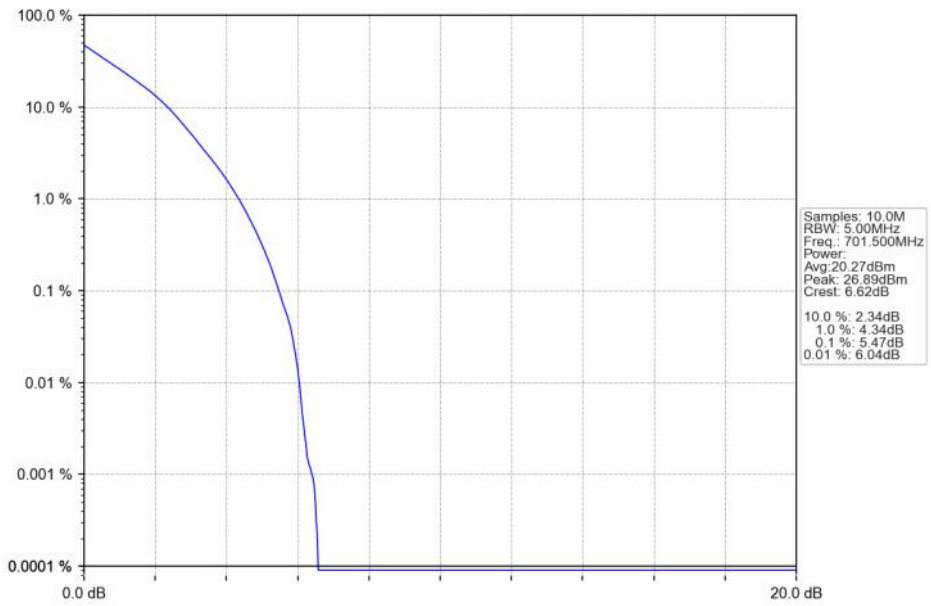


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

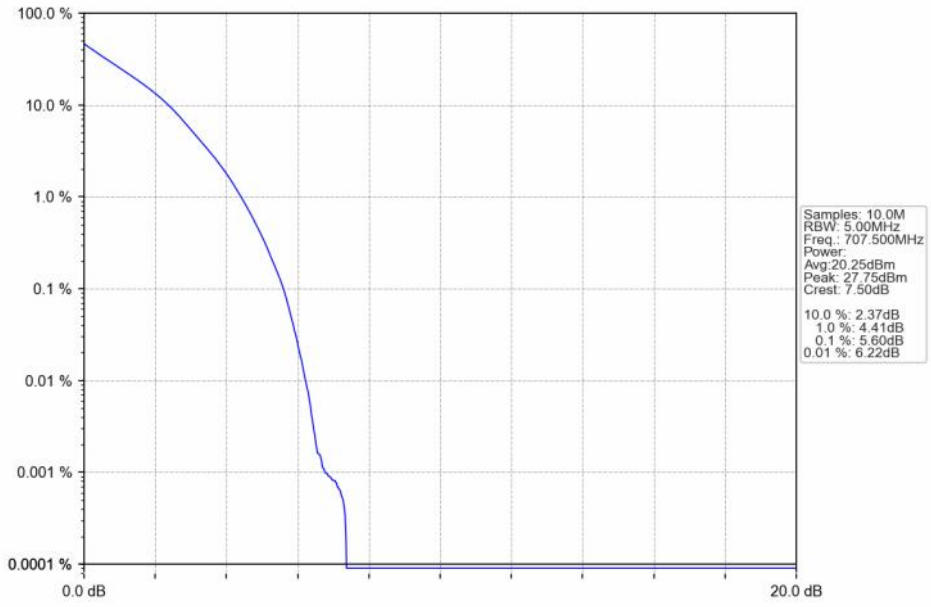


5.2.3 B12_5MHz

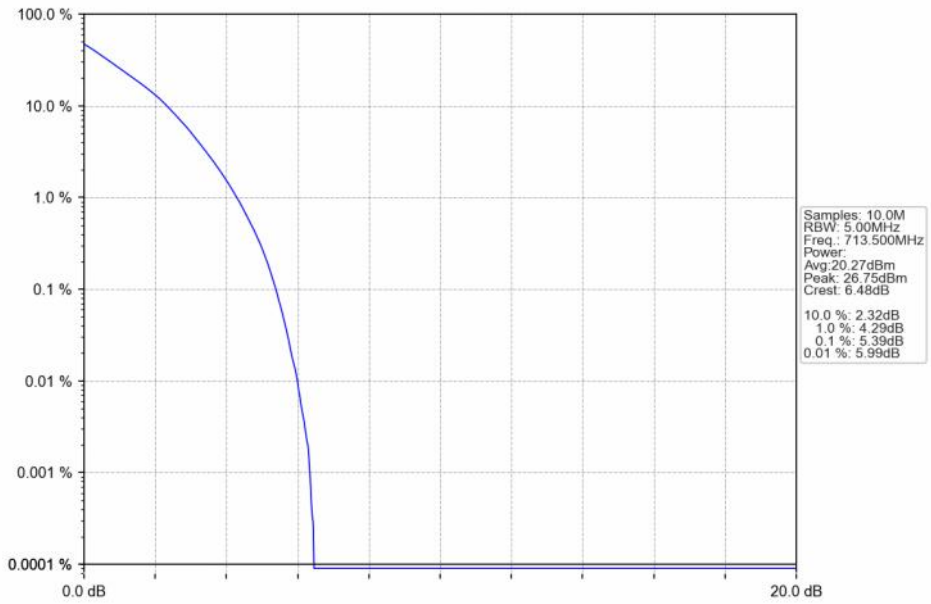
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



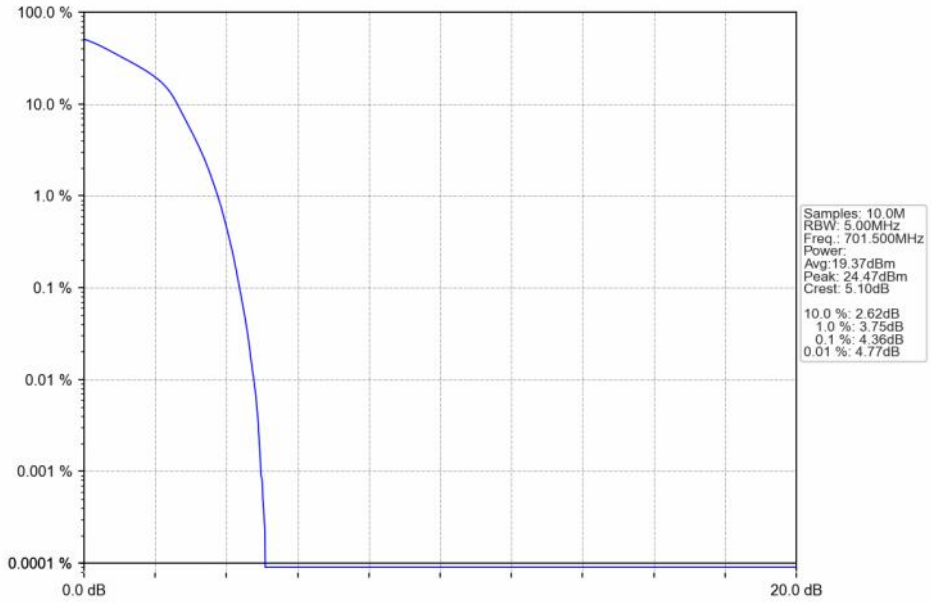
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



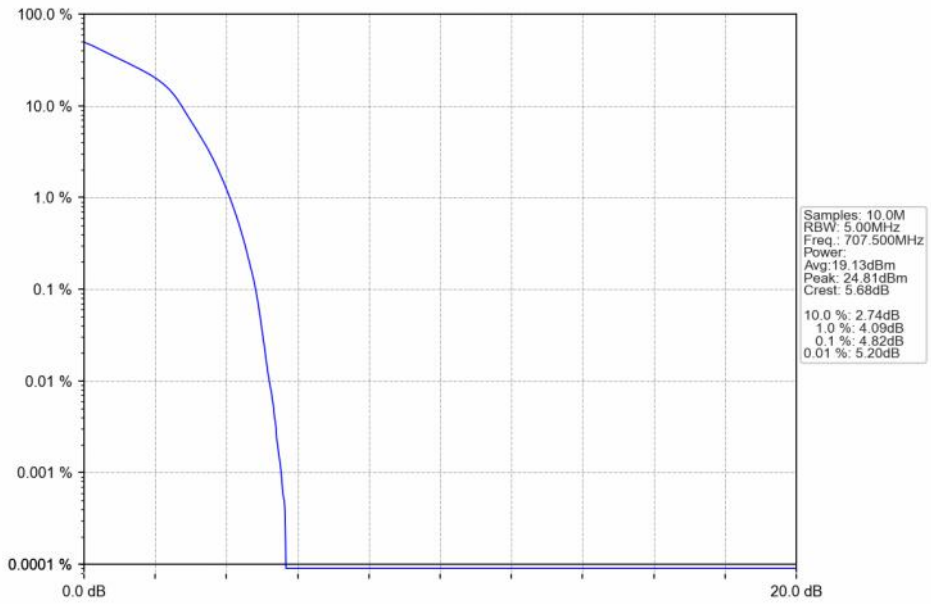
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



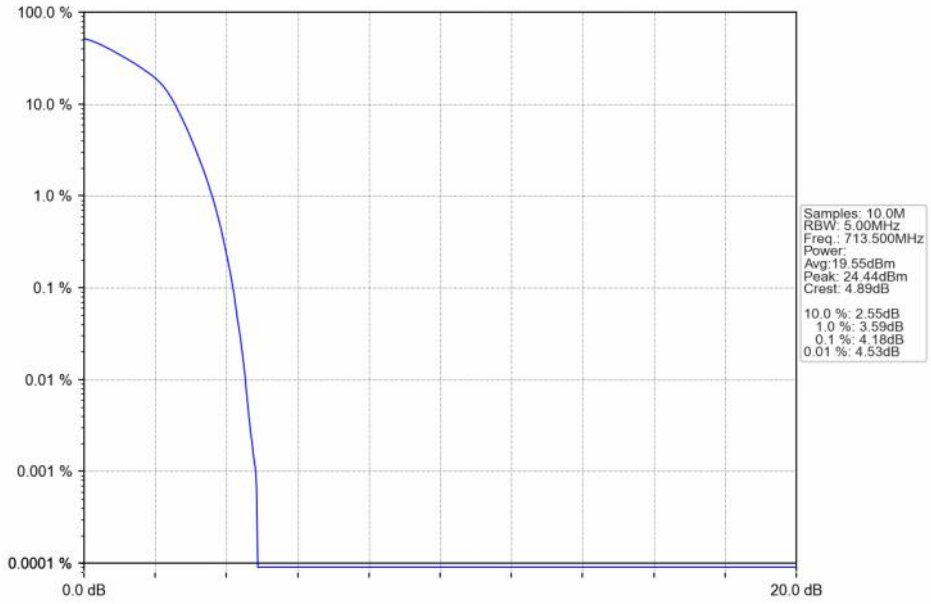
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



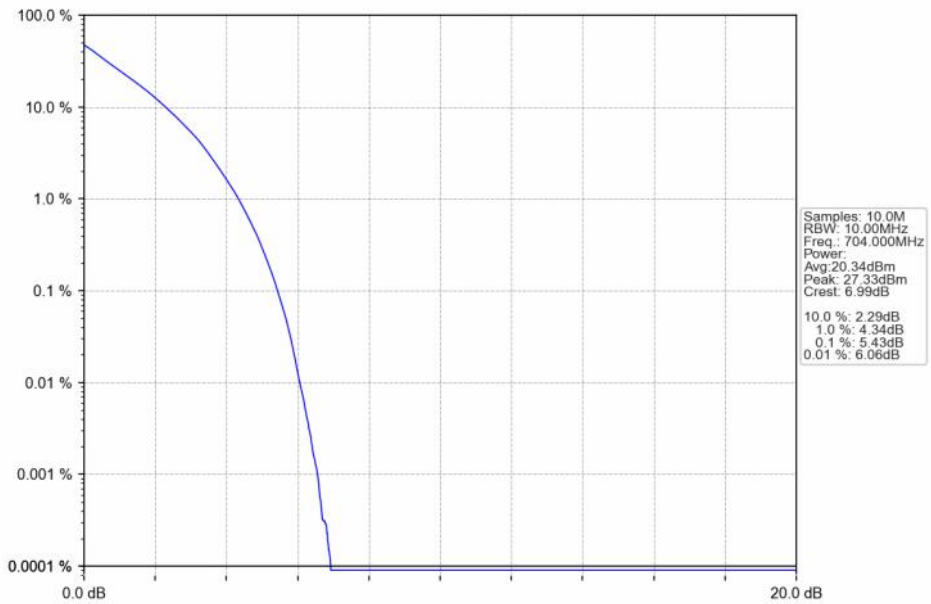
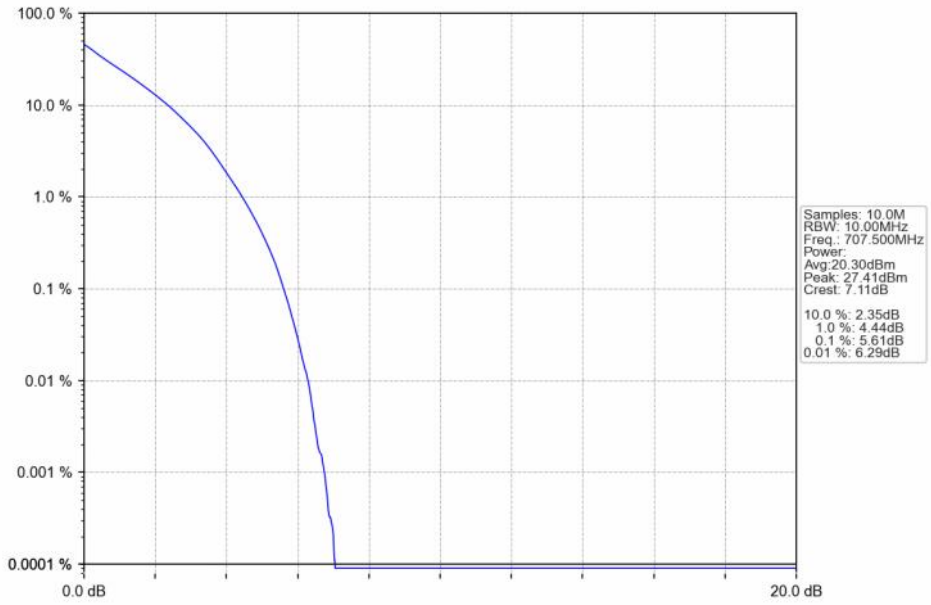
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



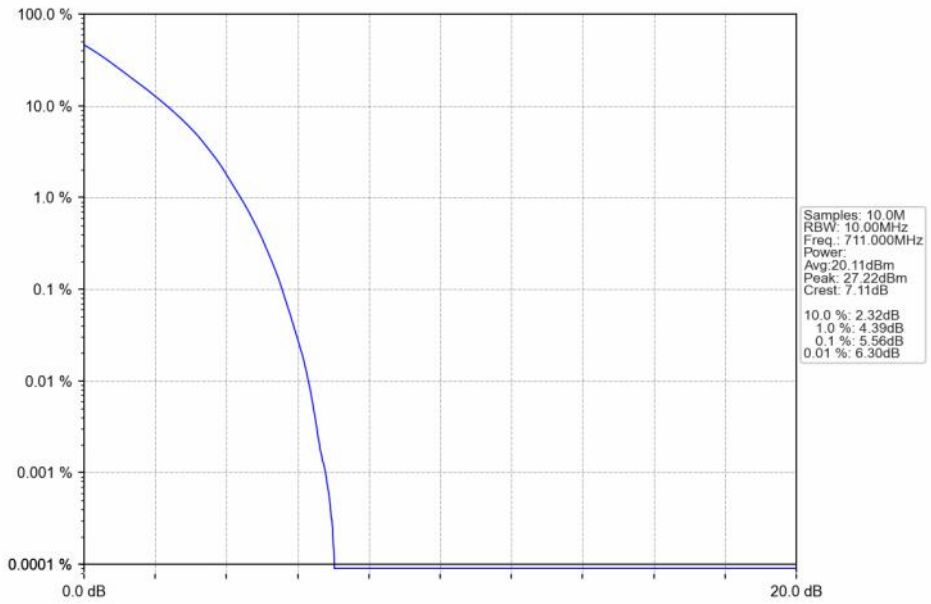
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



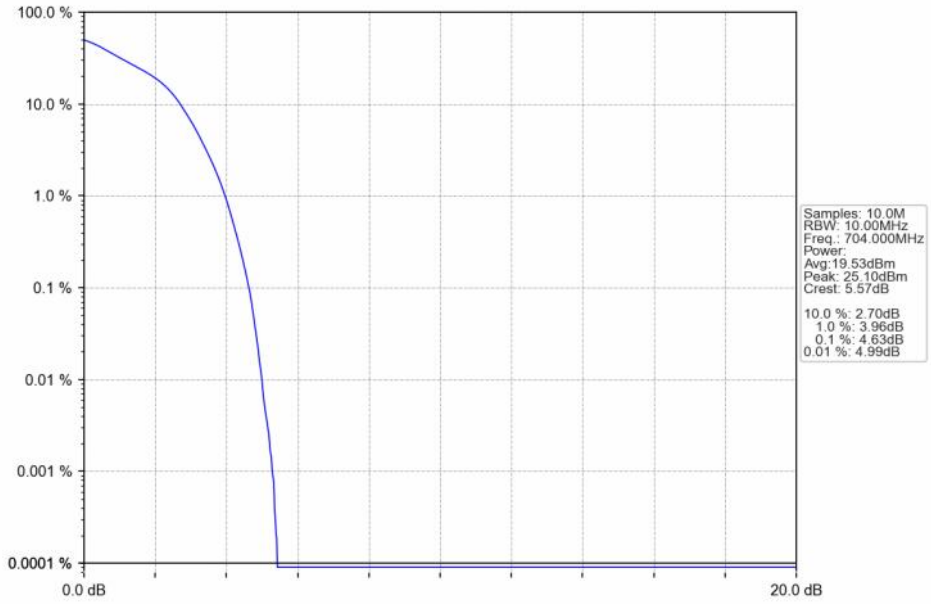
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV


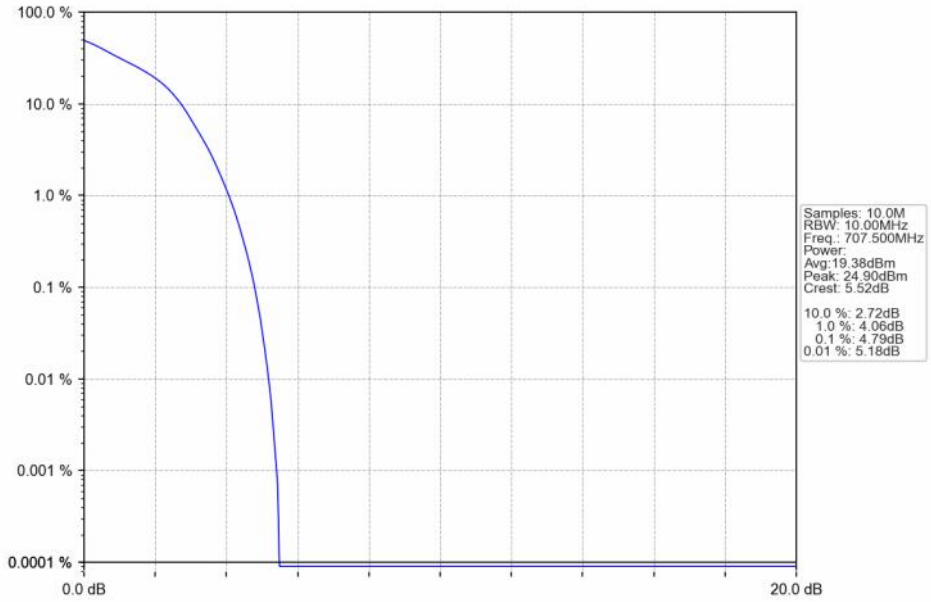
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



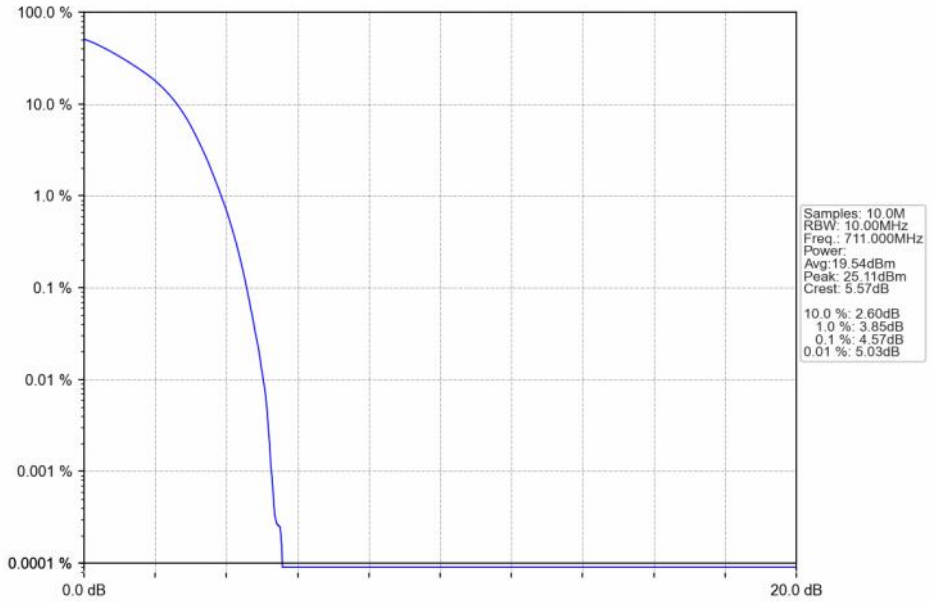
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass

		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

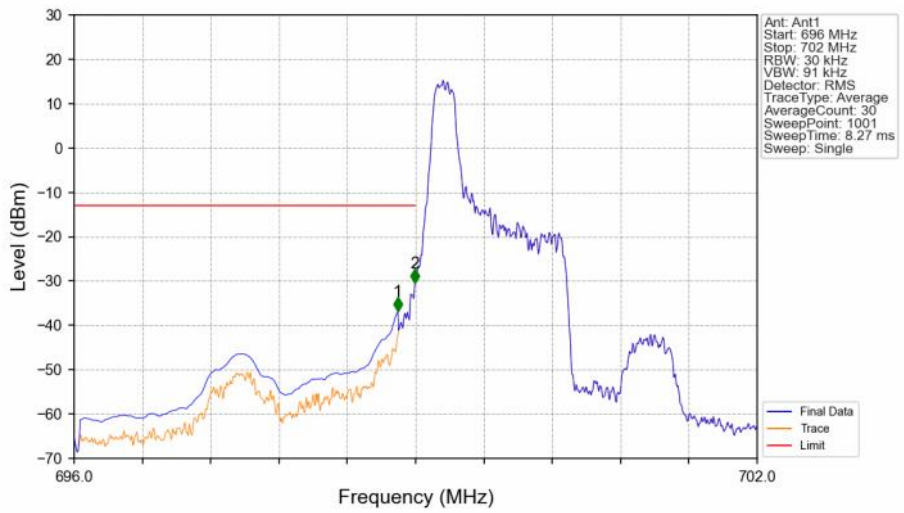
6.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

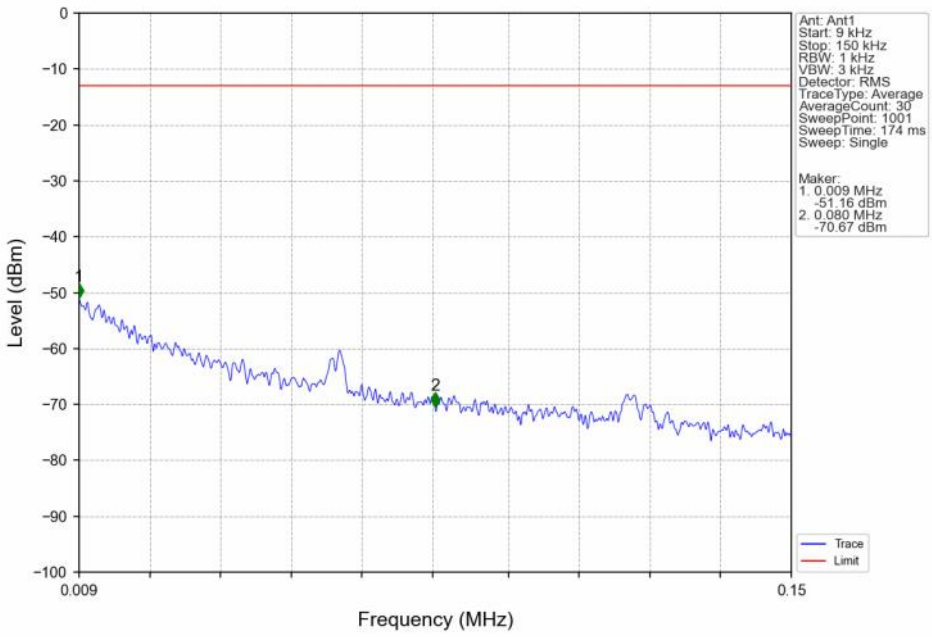
6.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

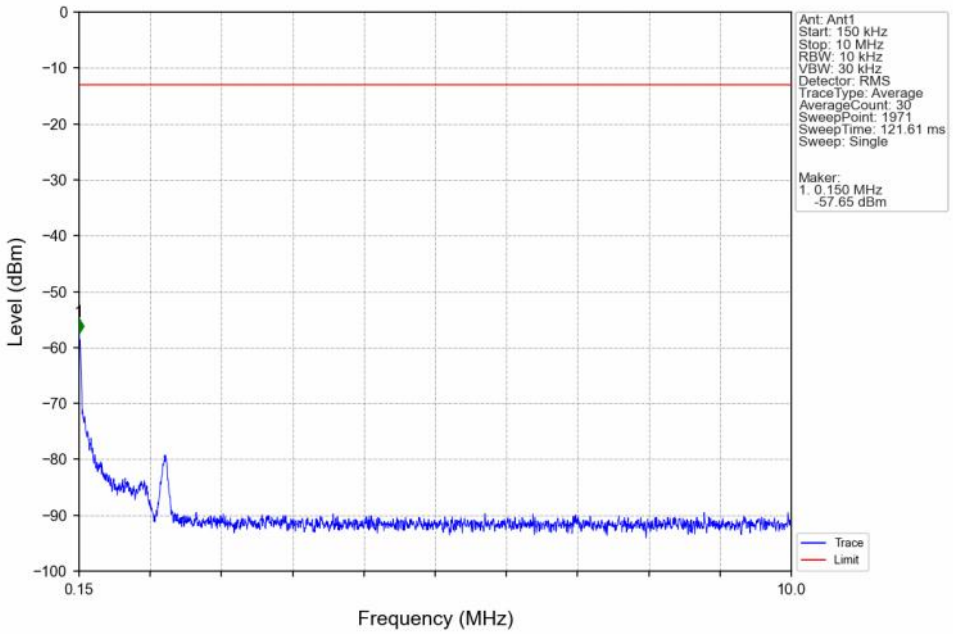


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-36.75	-13	Pass
698.9	699	0.03	/	2	698.994	-30.46	-13	Pass
699	702	0.03	/	/	/	/	/	/

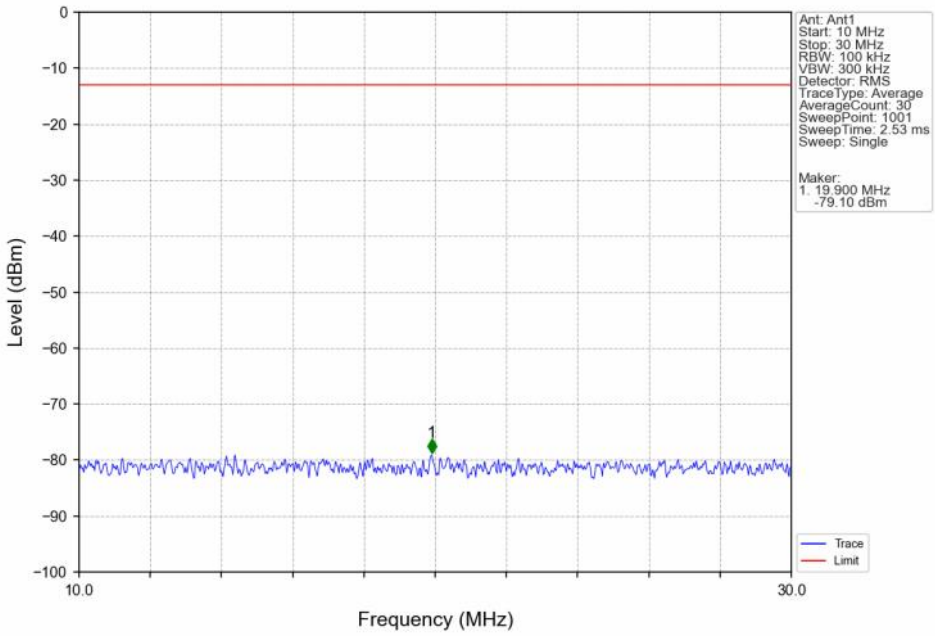
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



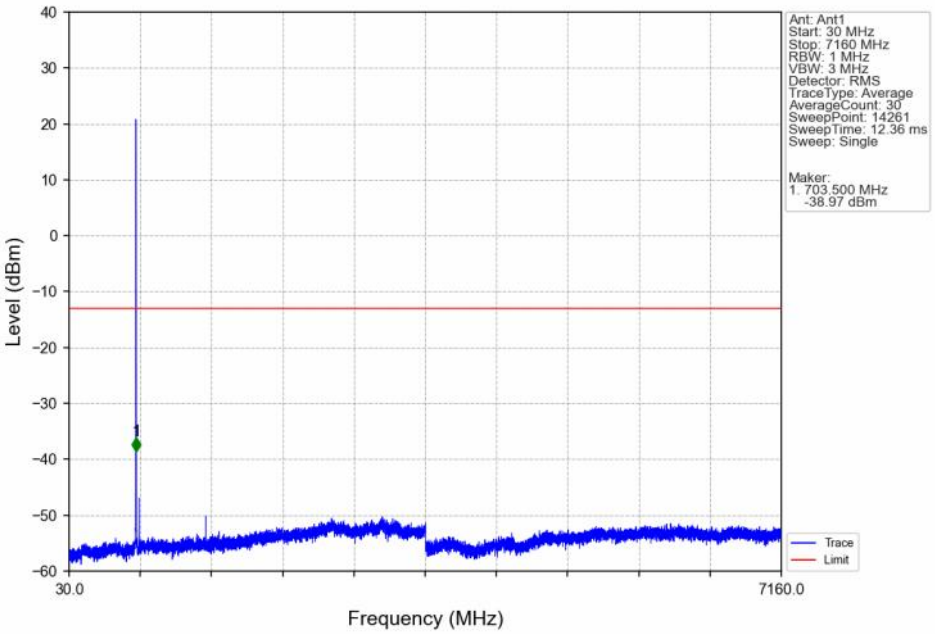
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



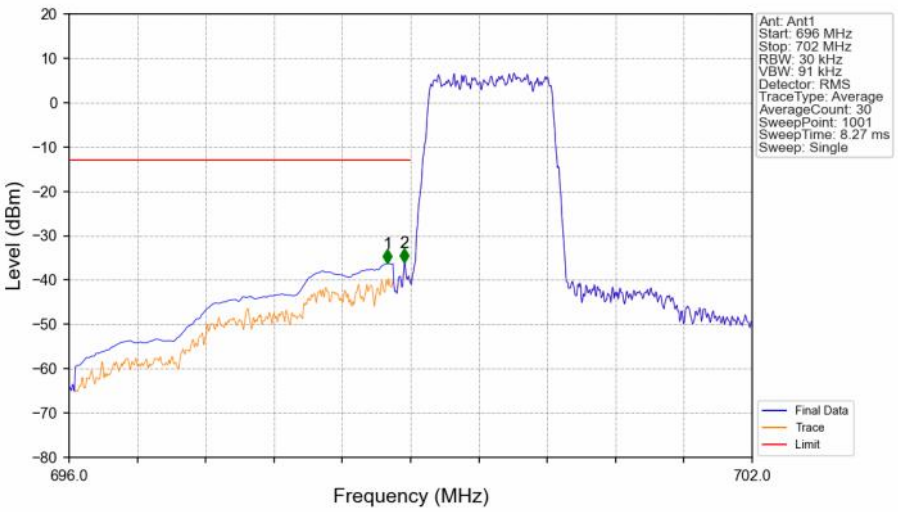
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

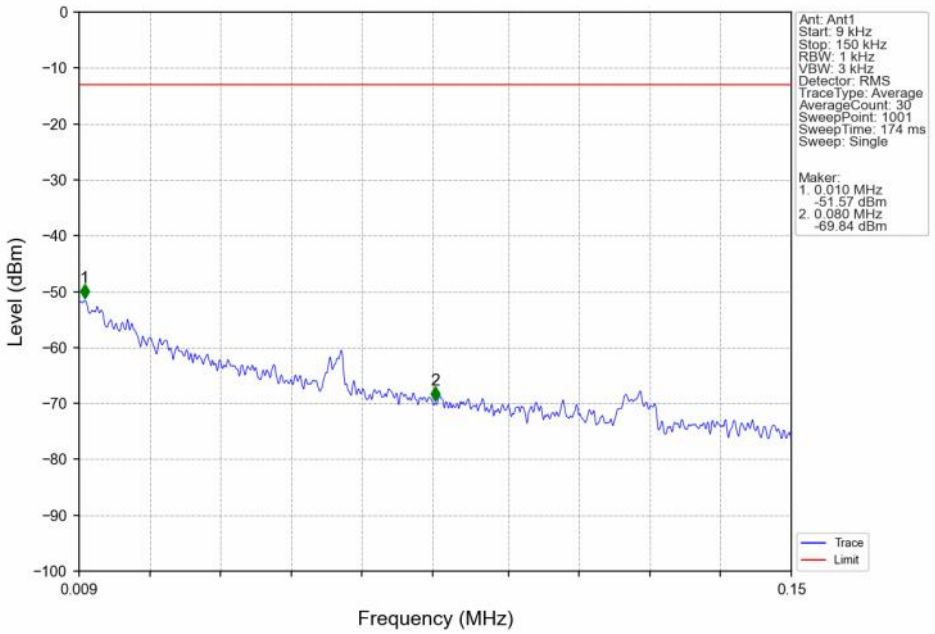


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

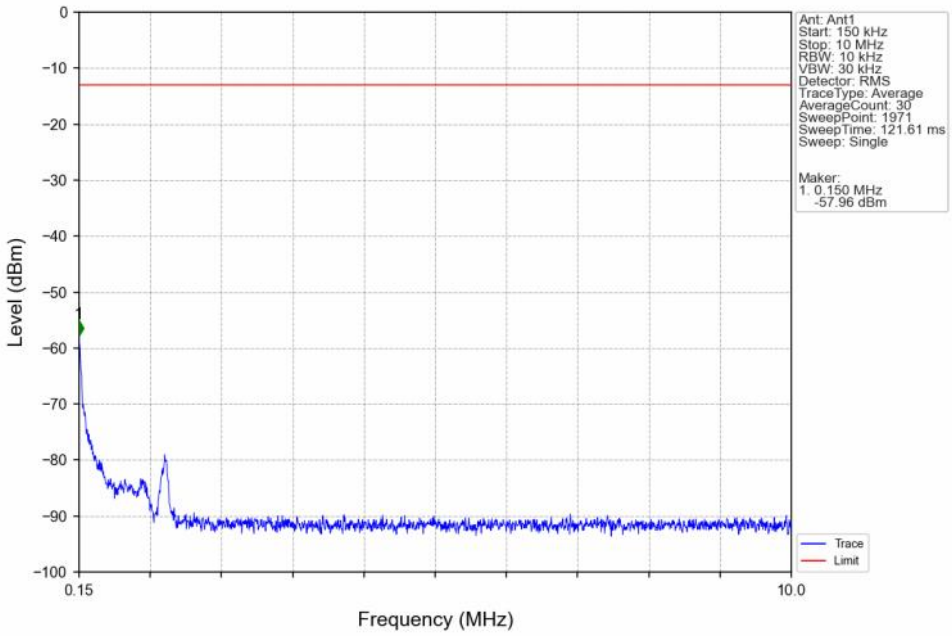


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.796	-36.24	-13	Pass
698.9	699	0.03	/	2	698.946	-36.01	-13	Pass
699	702	0.03	/	/	/	/	/	/

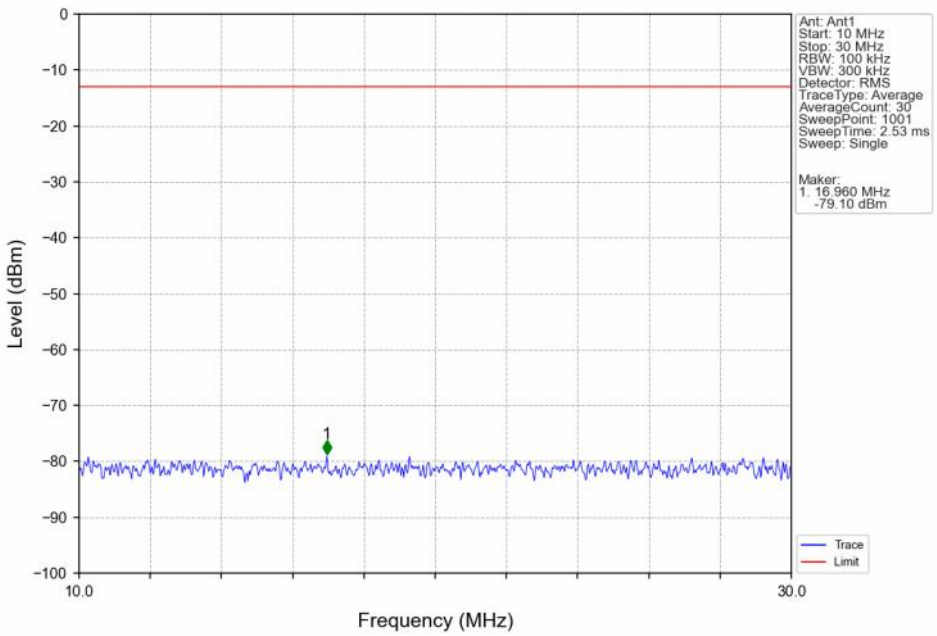
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



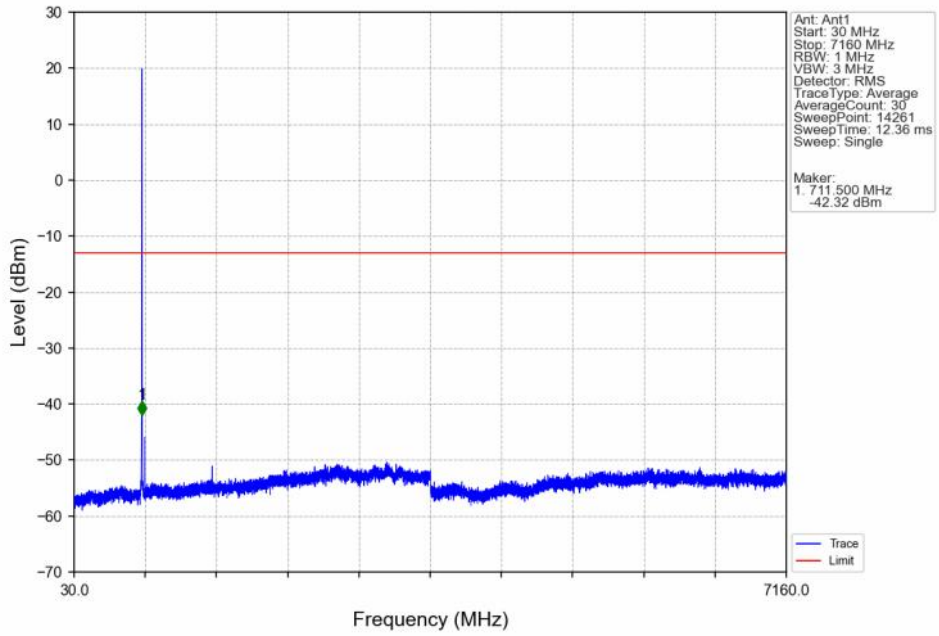
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



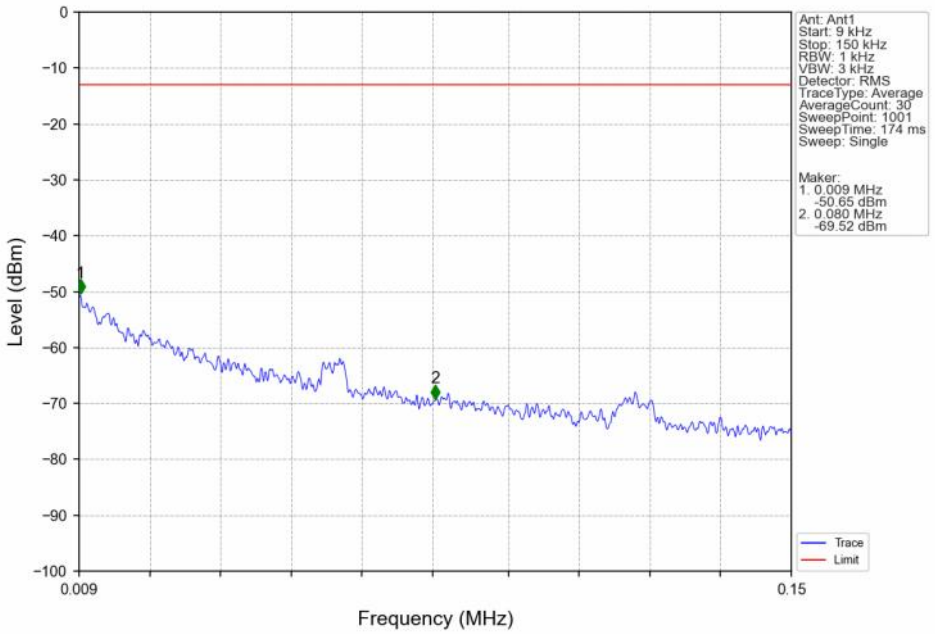
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



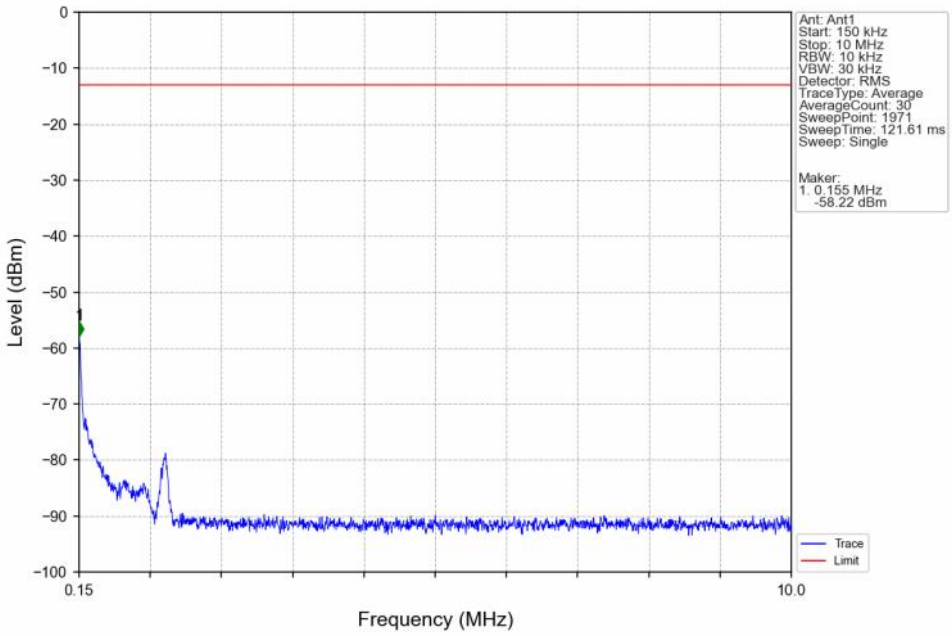
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



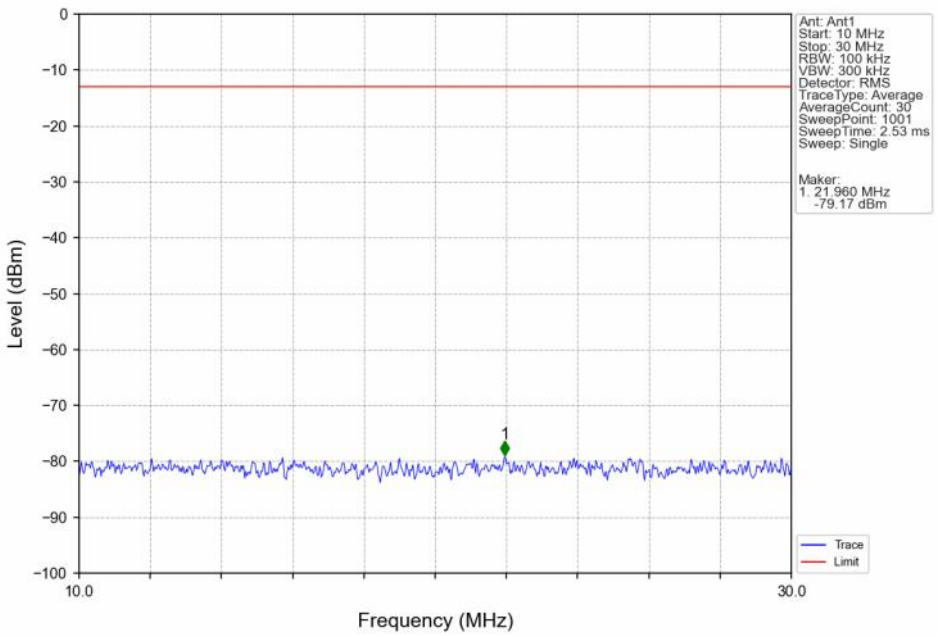
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



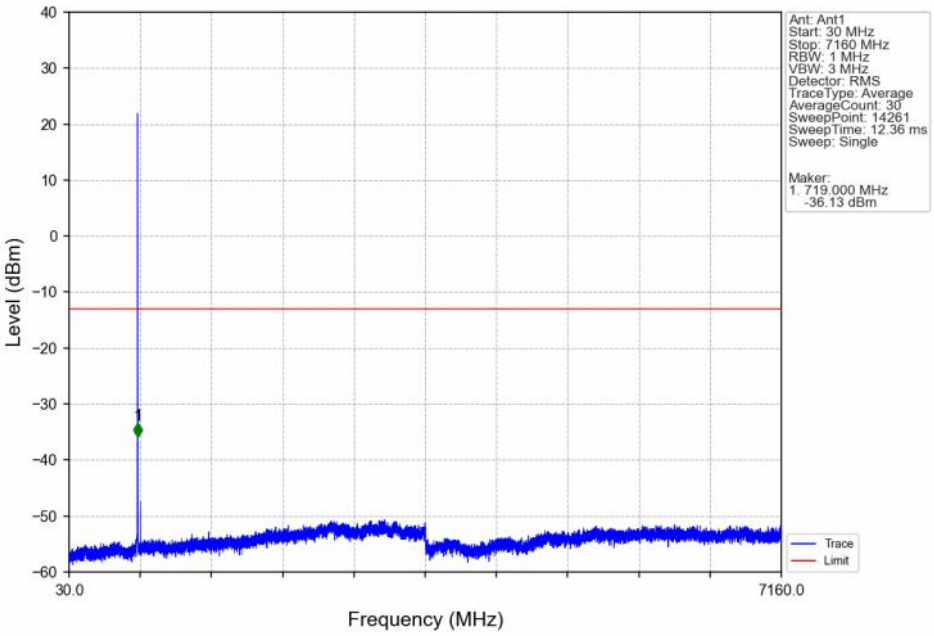
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



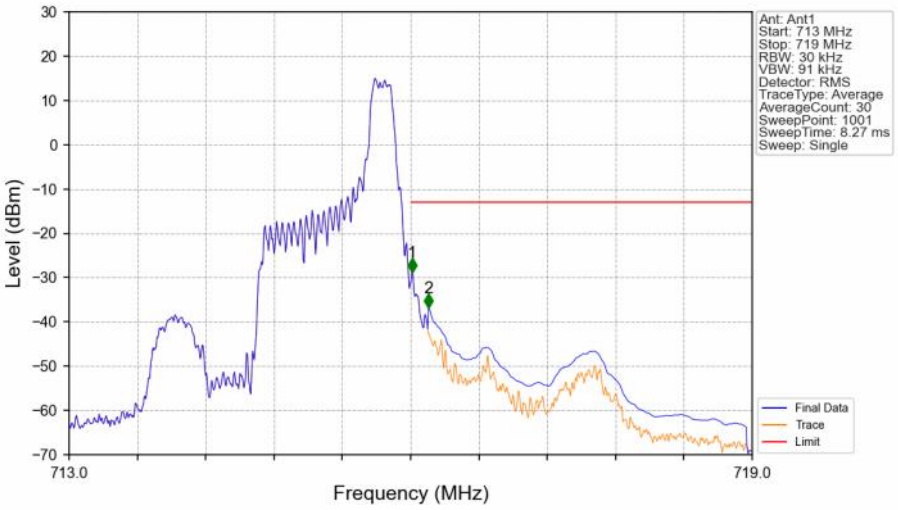
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

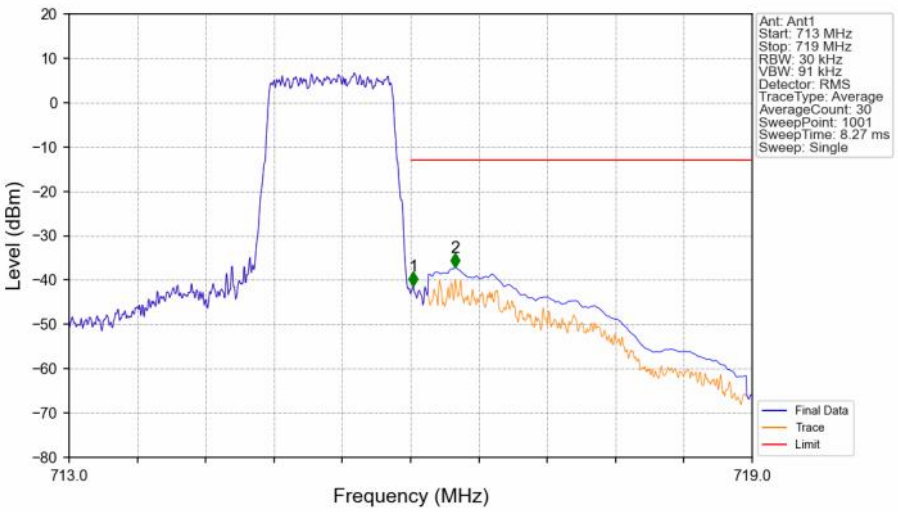


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



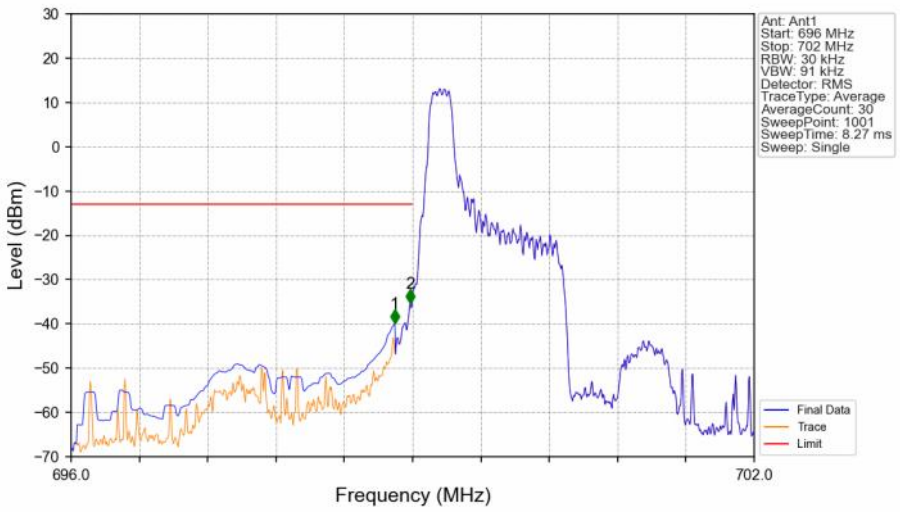
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-28.75	-13	Pass
716.1	719	0.1	CHP	2	716.156	-36.88	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



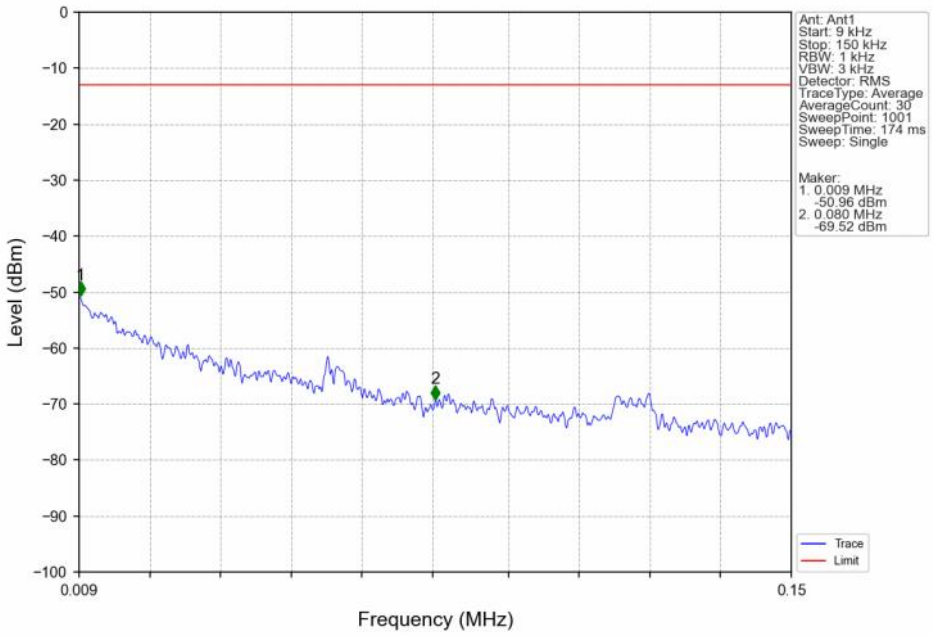
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-41.36	-13	Pass
716.1	719	0.1	CHP	2	716.390	-37.14	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

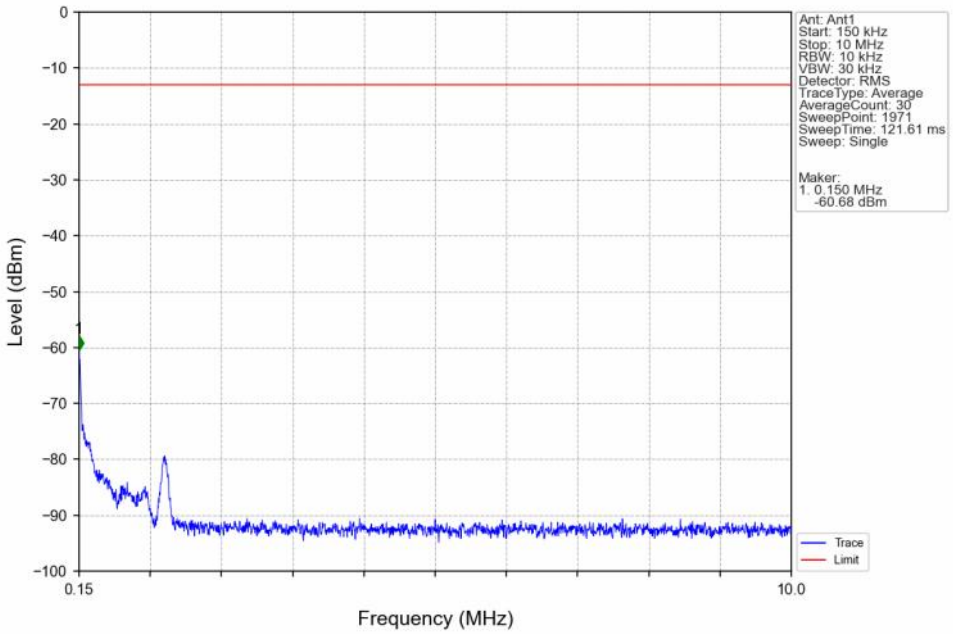


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-39.95	-13	Pass
698.9	699	0.03	/	2	698.982	-35.41	-13	Pass
699	702	0.03	/	/	/	/	/	/

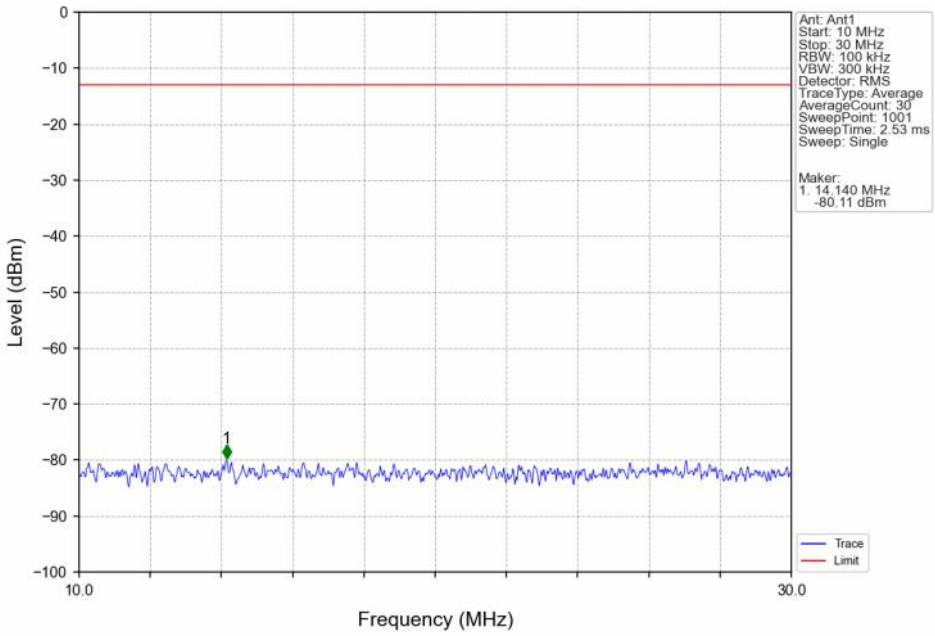
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



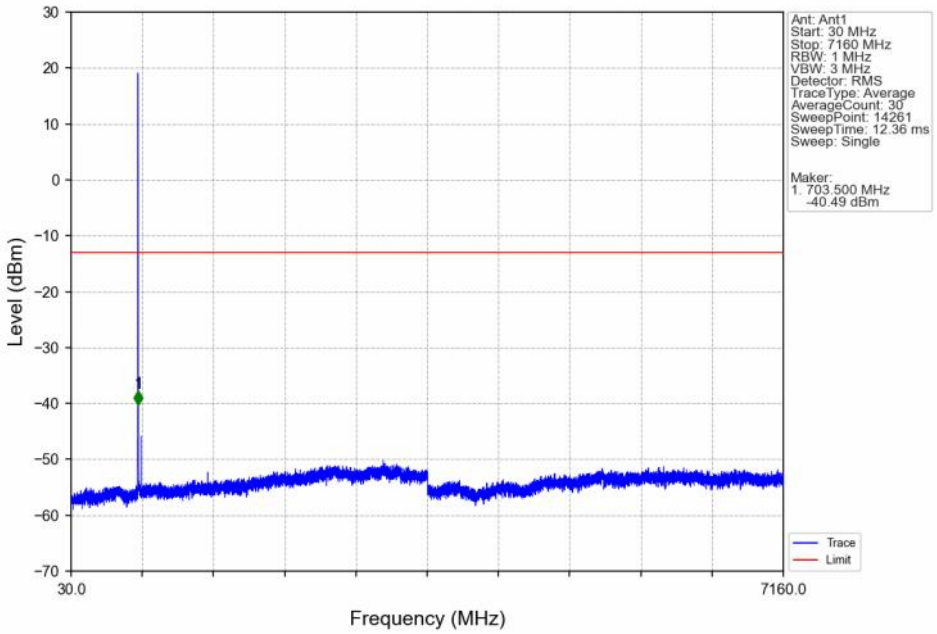
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



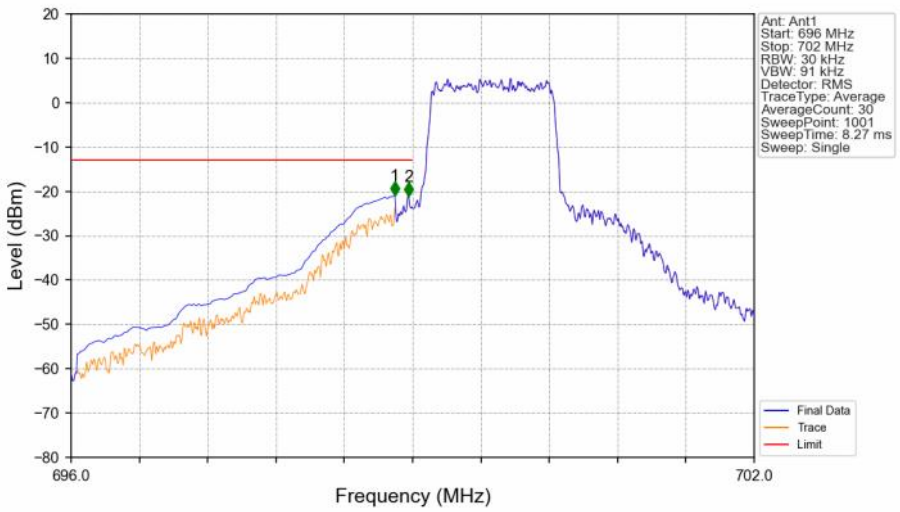
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

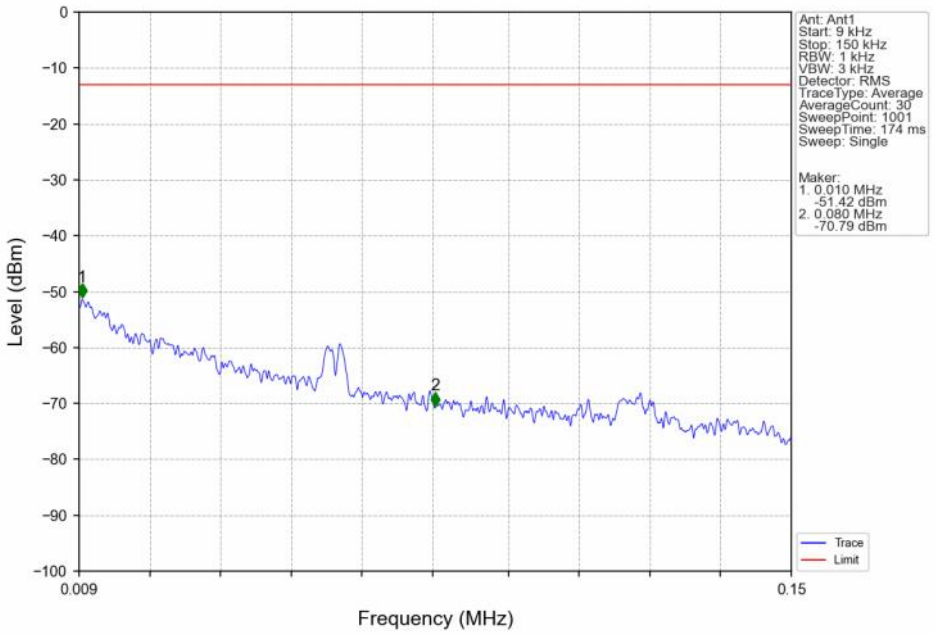


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

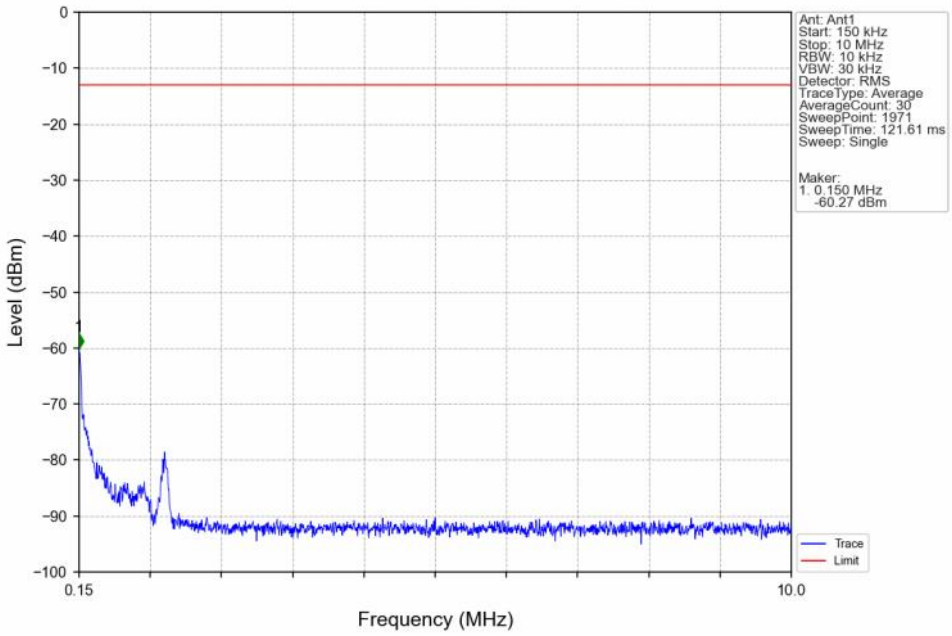


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-20.95	-13	Pass
698.9	699	0.03	/	2	698.964	-21.09	-13	Pass
699	702	0.03	/	/	/	/	/	/

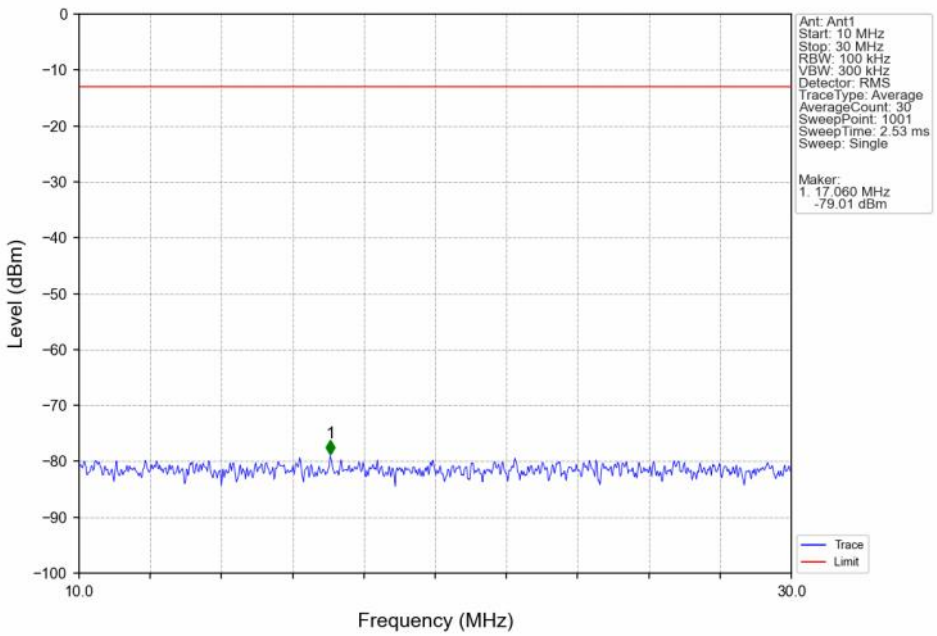
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



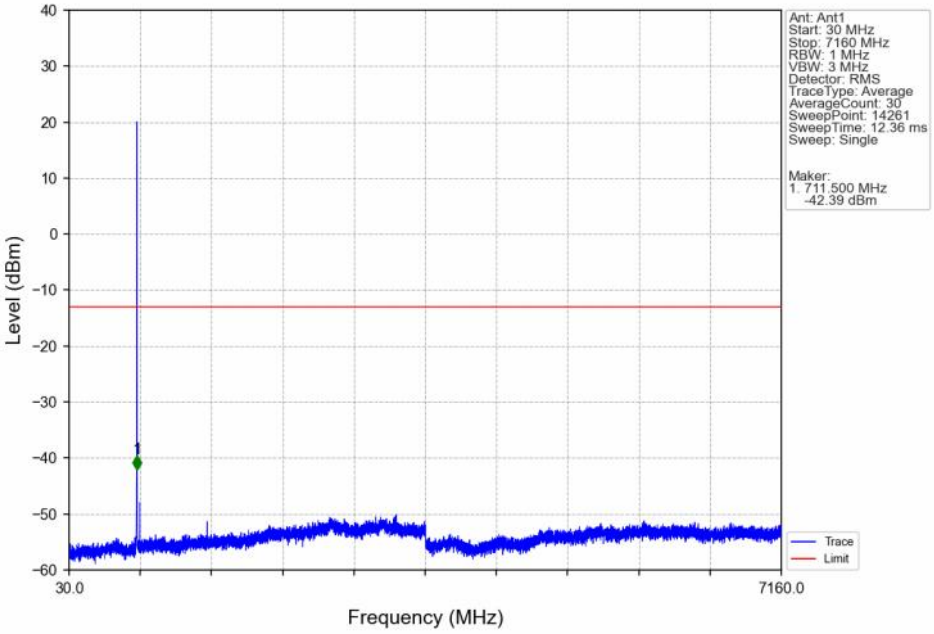
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



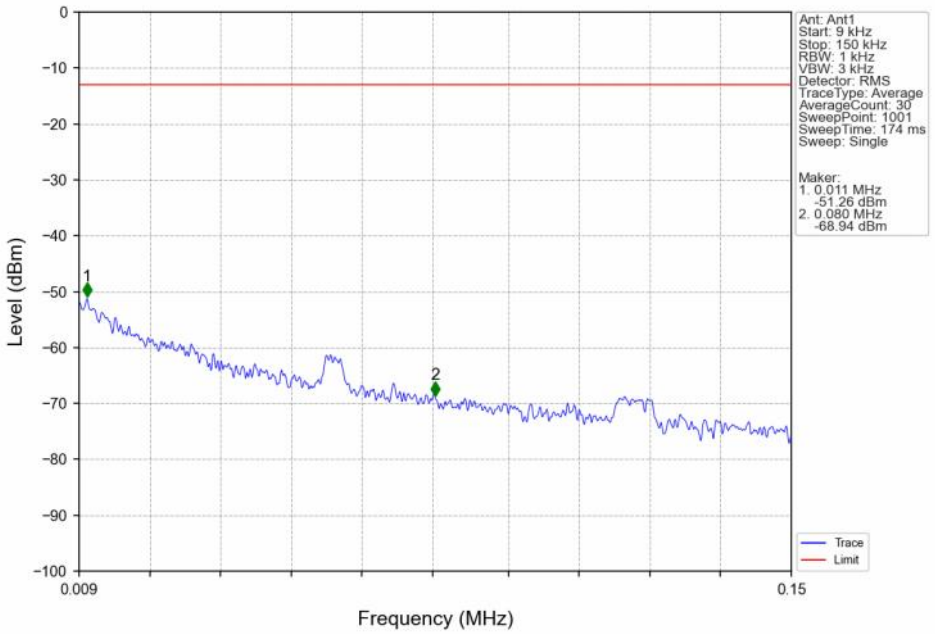
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



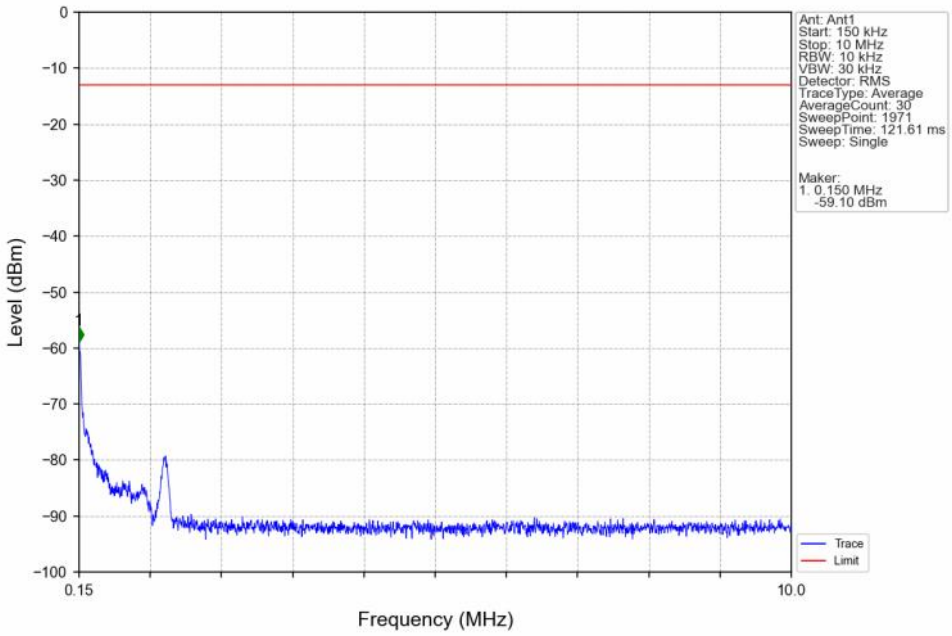
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



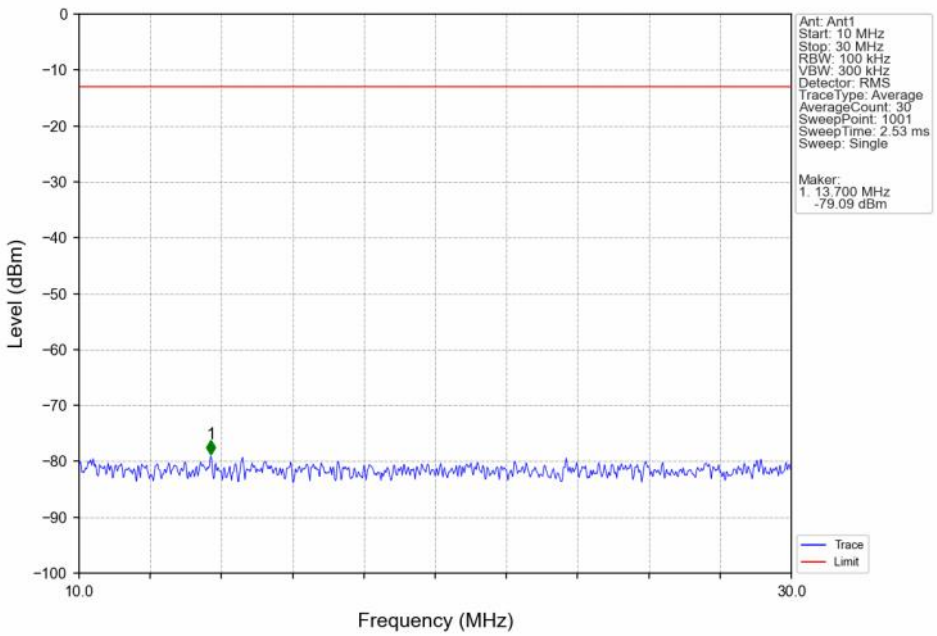
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



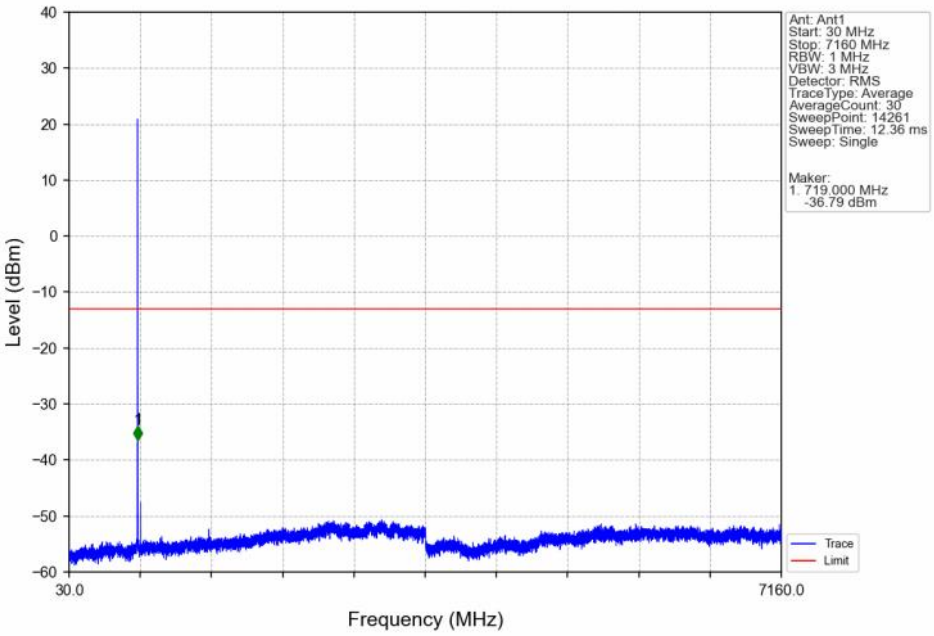
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



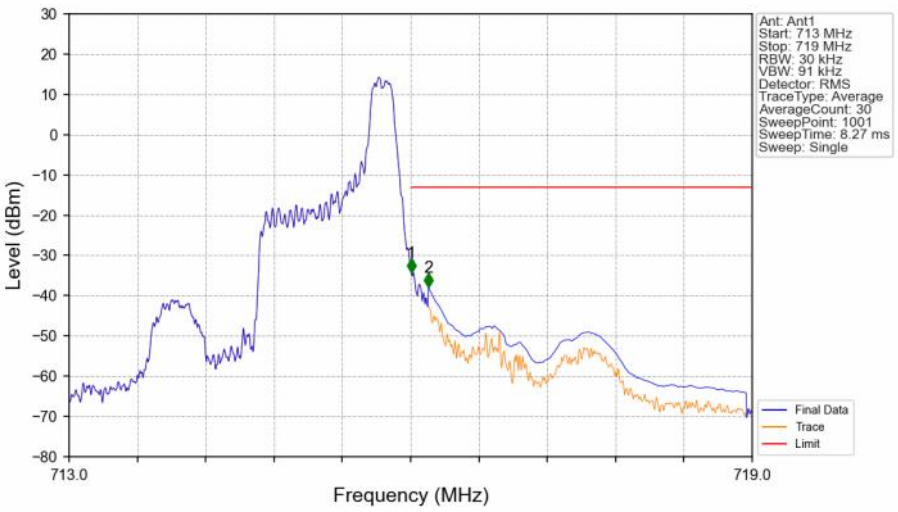
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

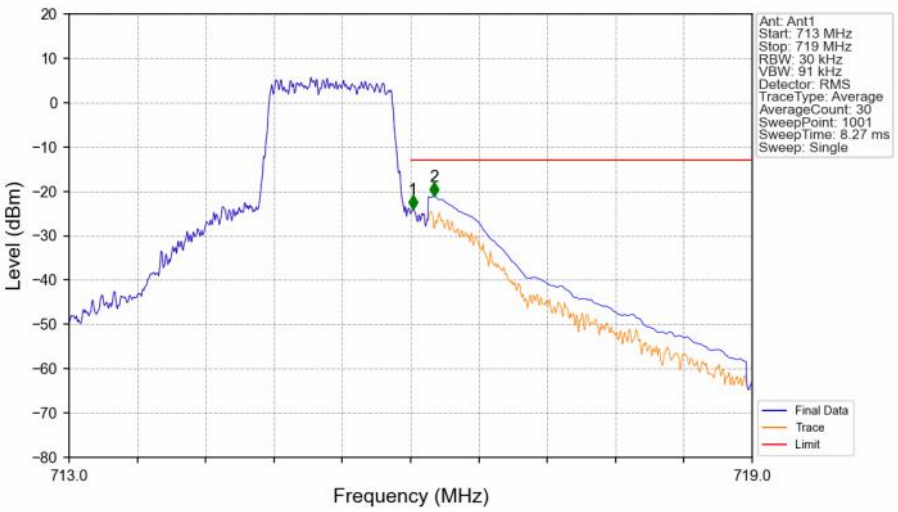


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-34.19	-13	Pass
716.1	719	0.1	CHP	2	716.156	-37.89	-13	Pass

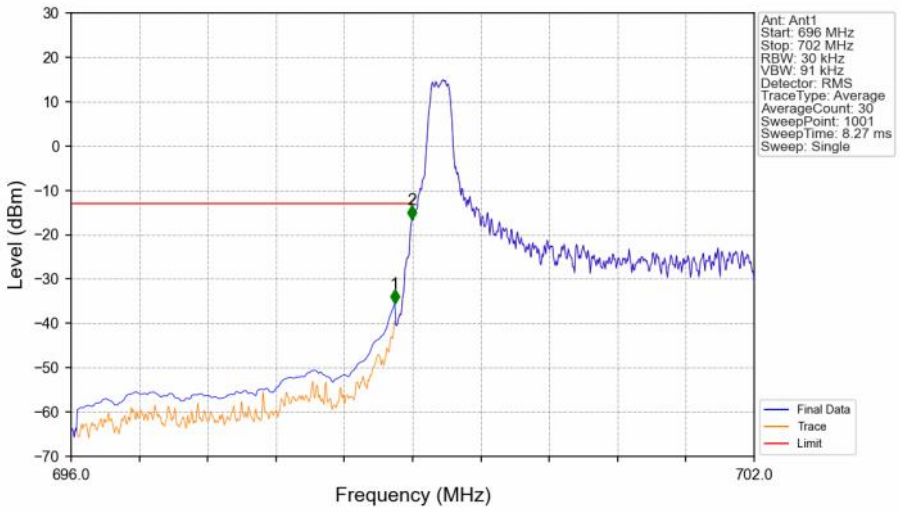
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-23.95	-13	Pass
716.1	719	0.1	CHP	2	716.204	-21.09	-13	Pass

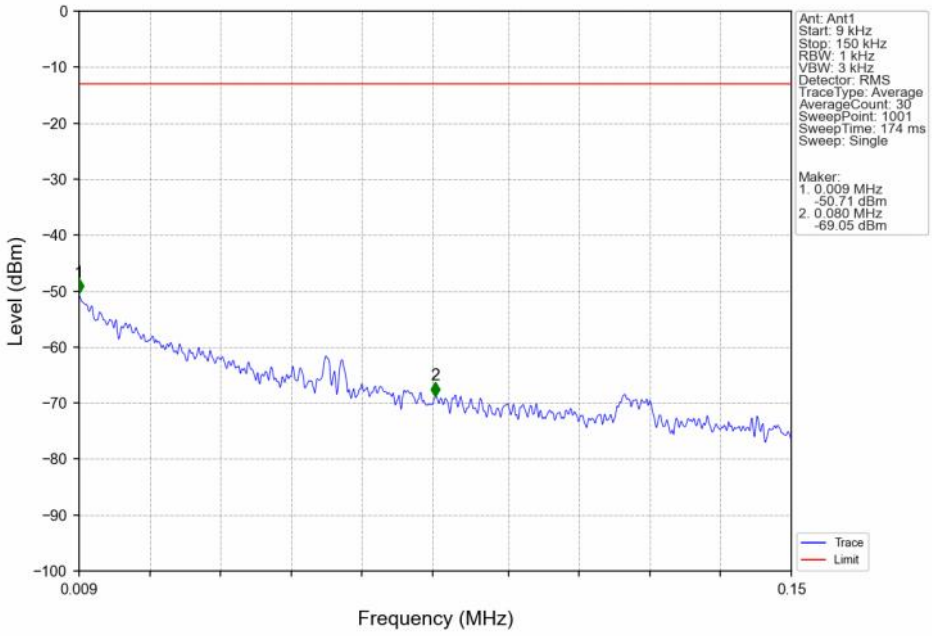
6.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

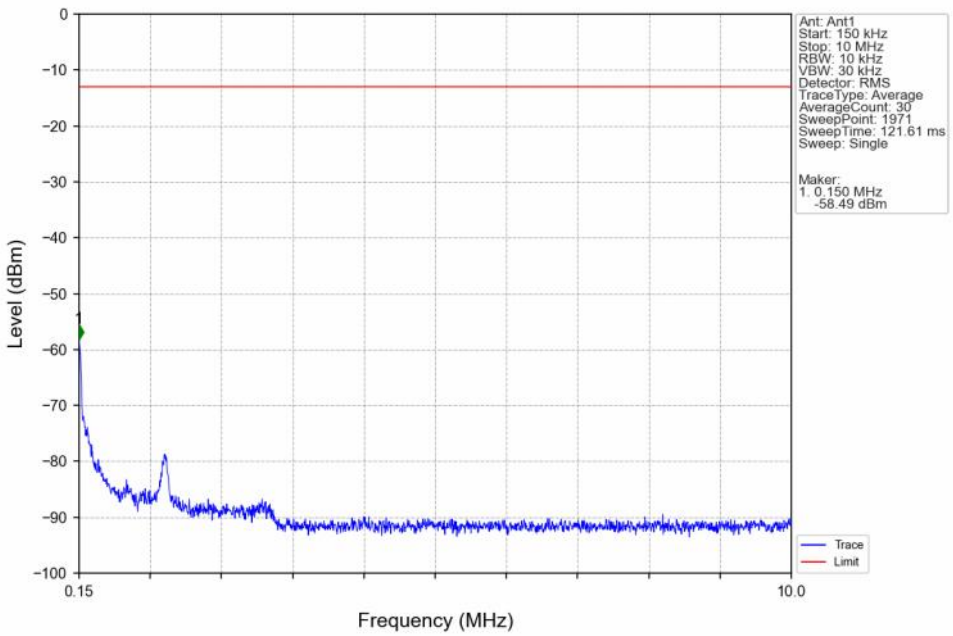


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-35.51	-13	Pass
698.9	699	0.03	/	2	698.994	-16.57	-13	Pass
699	702	0.03	/	/	/	/	/	/

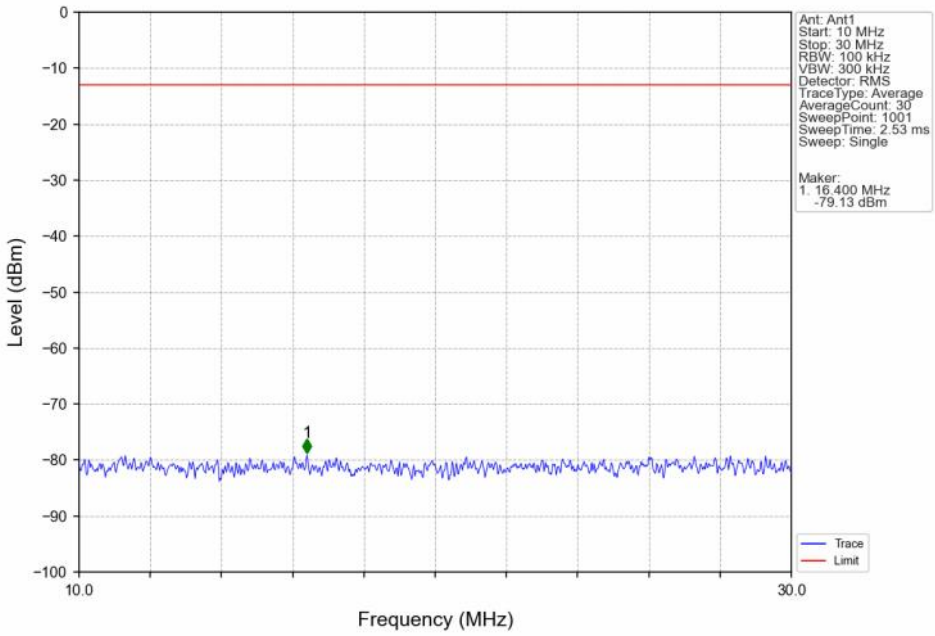
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



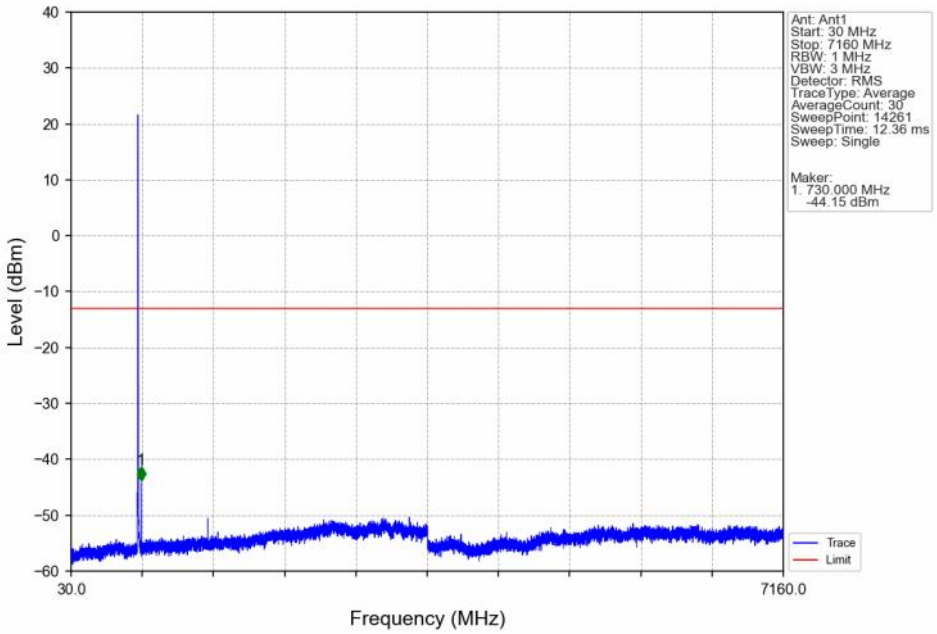
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



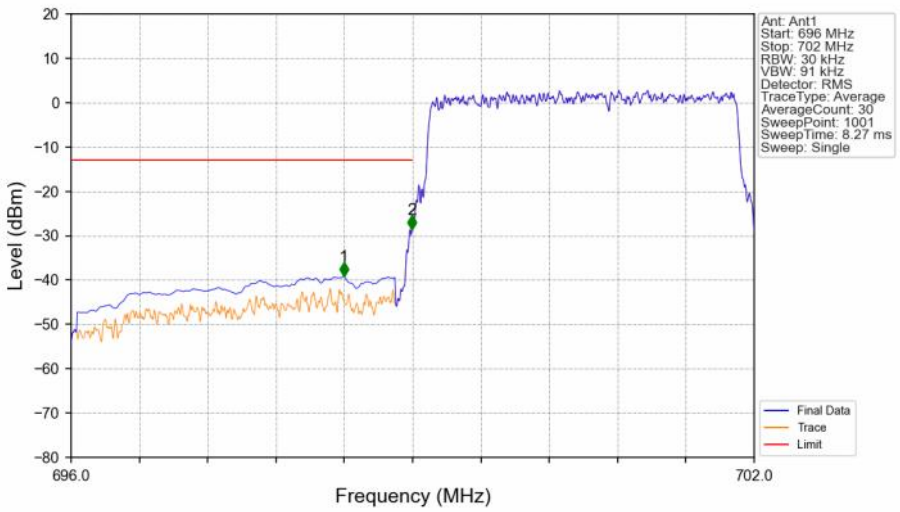
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

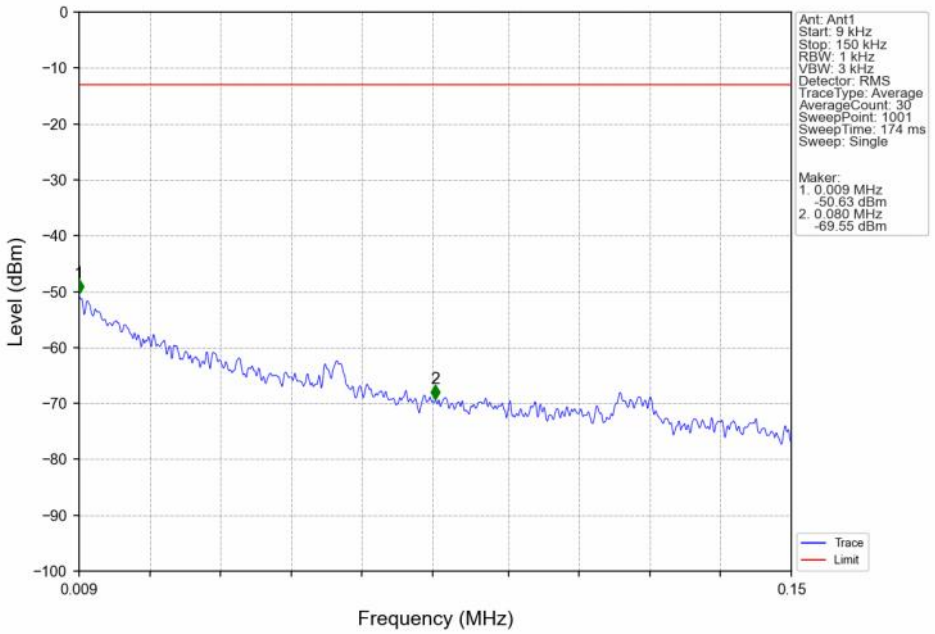


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

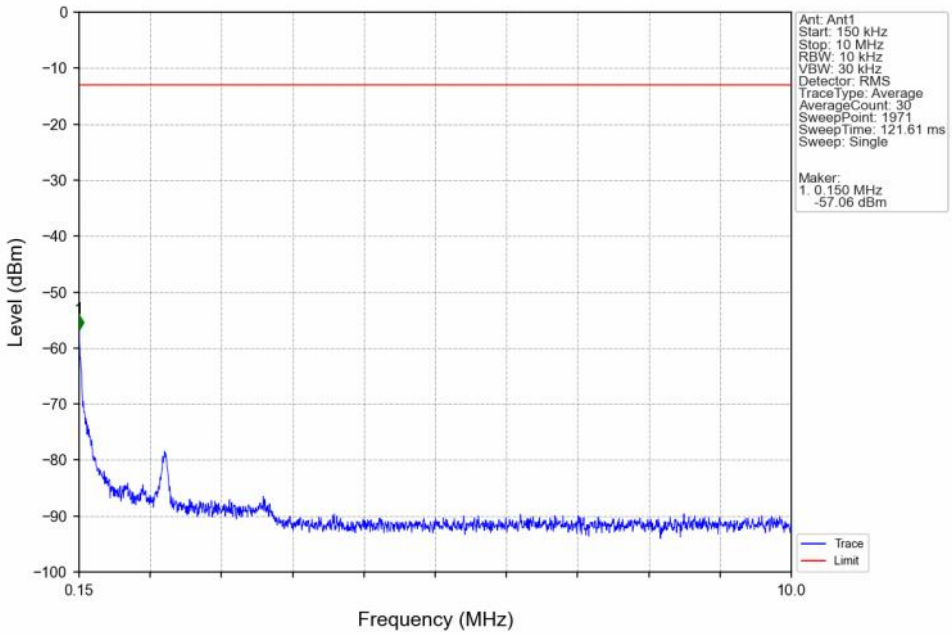


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.394	-39.15	-13	Pass
698.9	699	0.03	/	2	698.994	-28.60	-13	Pass
699	702	0.03	/	/	/	/	/	/

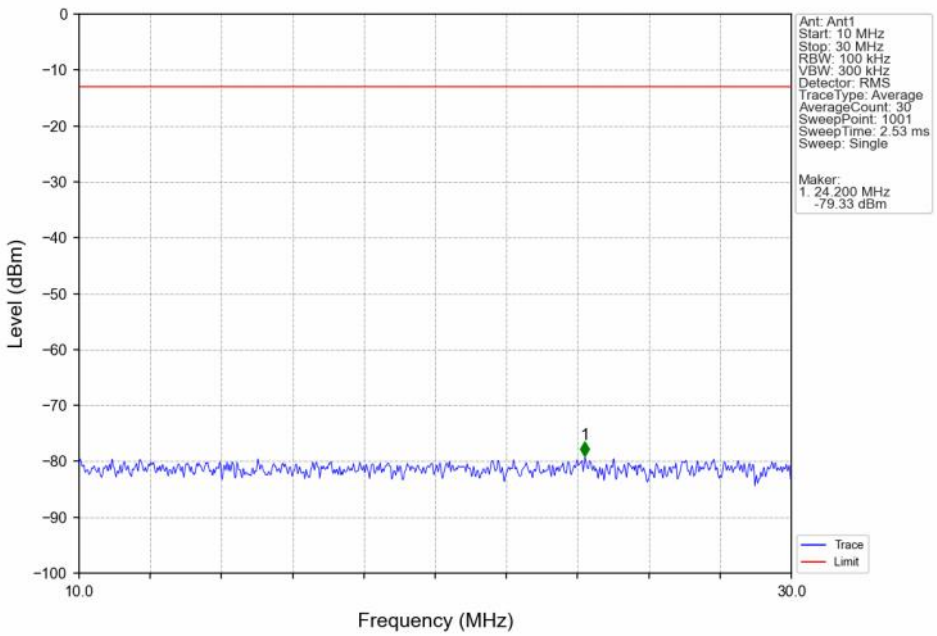
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



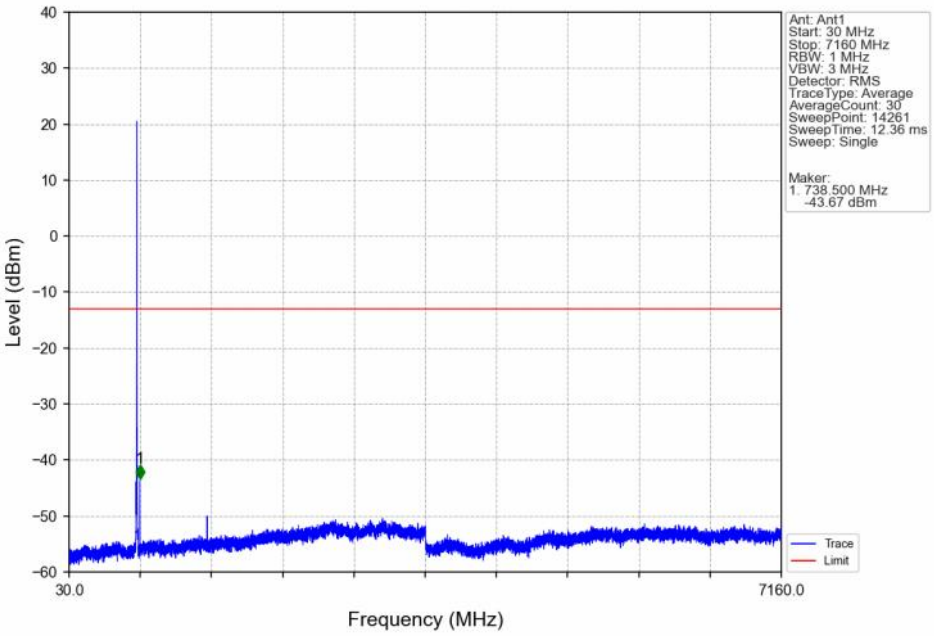
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



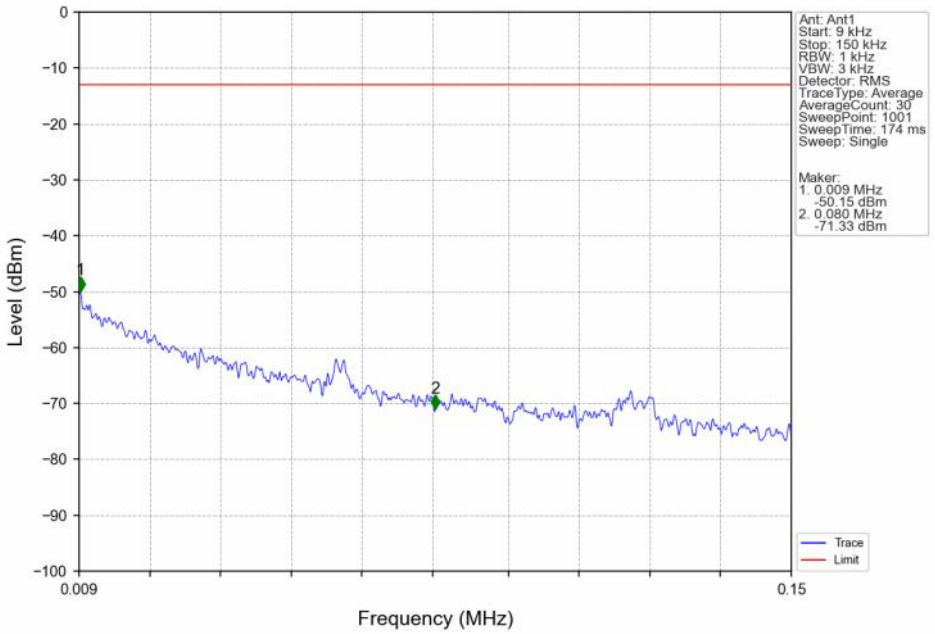
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



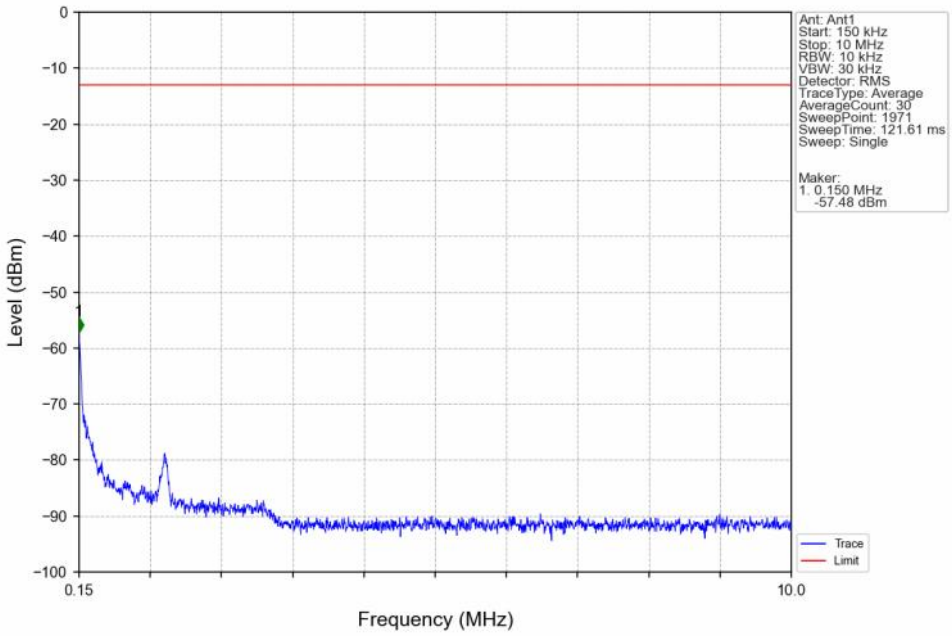
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



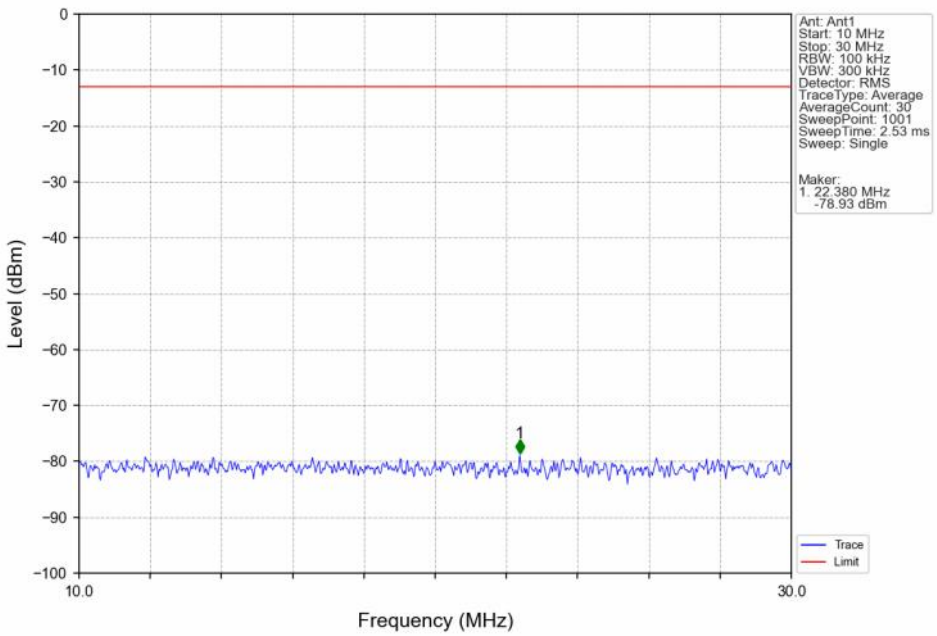
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



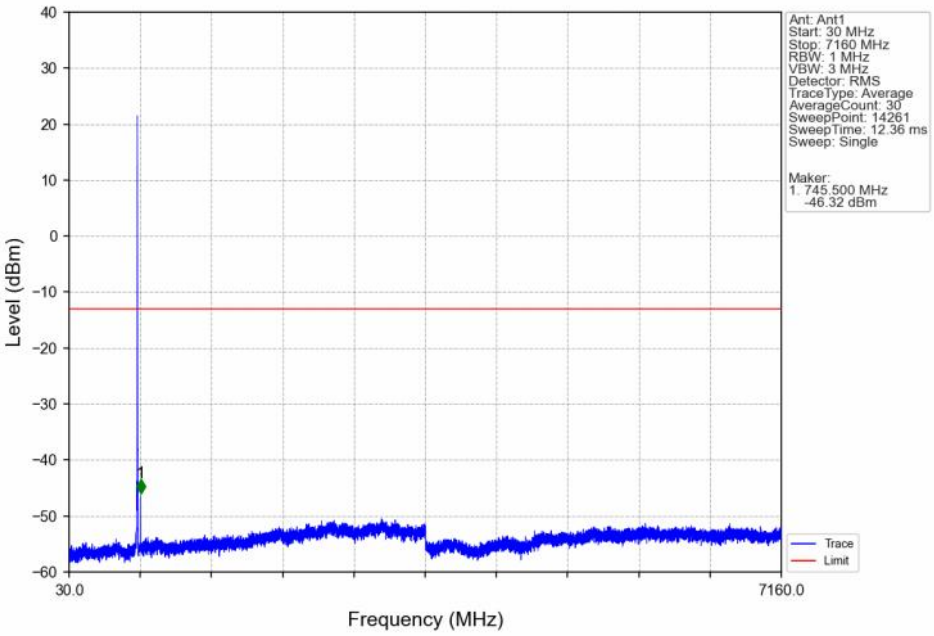
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



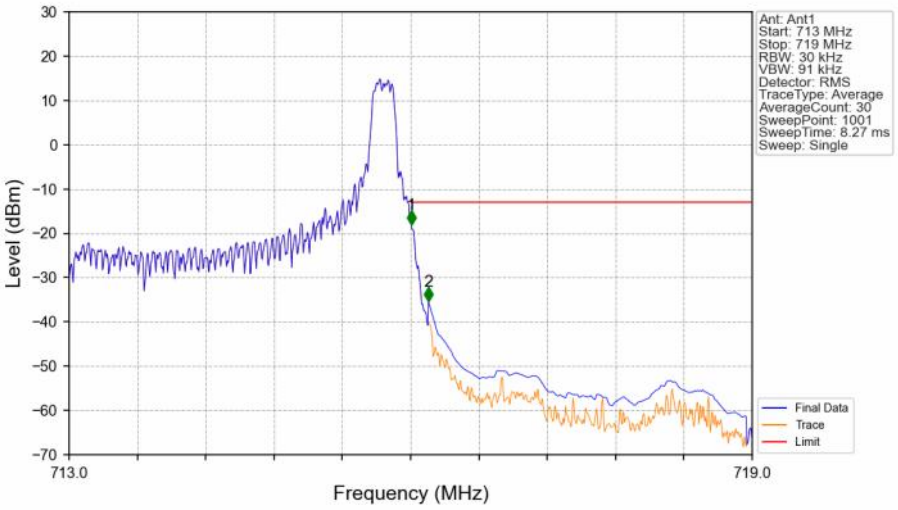
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

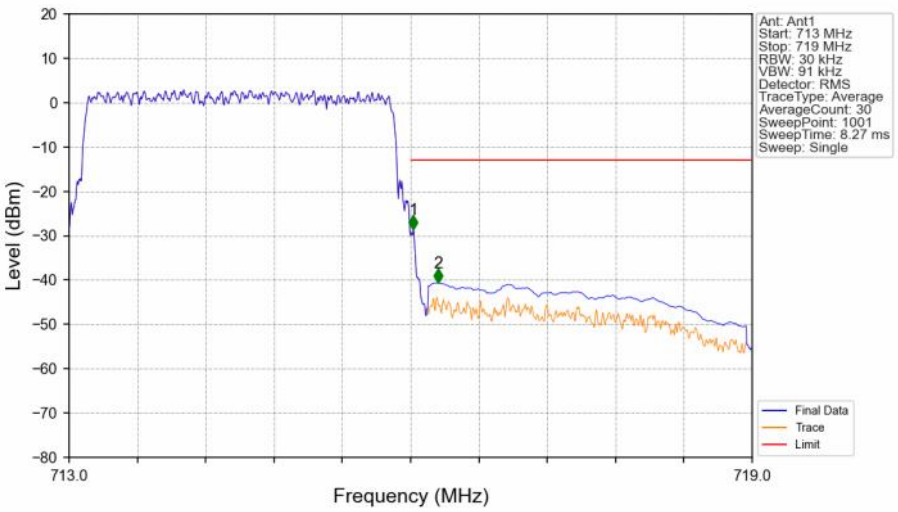


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-18.01	-13	Pass
716.1	719	0.1	CHP	2	716.156	-35.38	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-28.64	-13	Pass
716.1	719	0.1	CHP	2	716.240	-40.60	-13	Pass