1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	24.24	-1.80	20.29	<=34.77	Pass
			13	24.00	-1.80	20.05	<=34.77	Pass
			24	23.88	-1.80	19.93	<=34.77	Pass
		12	0	22.58	-1.80	18.63	<=34.77	Pass
			6	22.79	-1.80	18.84	<=34.77	Pass
			13	22.67	-1.80	18.72	<=34.77	Pass
		25	0	22.58	-1.80	18.63	<=34.77	Pass
	710	1	0	23.89	-1.80	19.94	<=34.77	Pass
			13	23.85	-1.80	19.90	<=34.77	Pass
			24	23.79	-1.80	19.84	<=34.77	Pass
		12	0	22.81	-1.80	18.86	<=34.77	Pass
			6	22.90	-1.80	18.95	<=34.77	Pass
			13	22.73	-1.80	18.78	<=34.77	Pass
		25	0	22.76	-1.80	18.81	<=34.77	Pass
	713.5	1	0	23.76	-1.80	19.81	<=34.77	Pass
			13	24.05	-1.80	20.10	<=34.77	Pass
			24	23.99	-1.80	20.04	<=34.77	Pass
		12	0	22.85	-1.80	18.90	<=34.77	Pass
			6	22.84	-1.80	18.89	<=34.77	Pass
			13	22.81	-1.80	18.86	<=34.77	Pass
		25	0	22.86	-1.80	18.91	<=34.77	Pass
16QAM	706.5	1	0	22.85	-1.80	18.90	<=34.77	Pass
			13	22.97	-1.80	19.02	<=34.77	Pass
			24	22.88	-1.80	18.93	<=34.77	Pass
		12	0	21.48	-1.80	17.53	<=34.77	Pass
			6	21.68	-1.80	17.73	<=34.77	Pass
			13	21.58	-1.80	17.63	<=34.77	Pass
		25	0	21.48	-1.80	17.53	<=34.77	Pass
	710	1	0	22.49	-1.80	18.54	<=34.77	Pass
			13	22.68	-1.80	18.73	<=34.77	Pass
			24	22.70	-1.80	18.75	<=34.77	Pass
		12	0	21.75	-1.80	17.80	<=34.77	Pass
			6	21.86	-1.80	17.91	<=34.77	Pass
			13	21.71	-1.80	17.76	<=34.77	Pass
		25	0	21.82	-1.80	17.87	<=34.77	Pass
	713.5	1	0	23.08	-1.80	19.13	<=34.77	Pass
			13	23.04	-1.80	19.09	<=34.77	Pass
			24	22.92	-1.80	18.97	<=34.77	Pass
		12	0	21.91	-1.80	17.96	<=34.77	Pass
			6	21.88	-1.80	17.93	<=34.77	Pass
			13	21.69	-1.80	17.74	<=34.77	Pass
		25	0	21.77	-1.80	17.82	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B17_10MHz_ERP

1.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	24.00	-1.80	20.05	<=34.77	Pass
			25	23.92	-1.80	19.97	<=34.77	Pass
			49	24.00	-1.80	20.05	<=34.77	Pass
		25	0	22.60	-1.80	18.65	<=34.77	Pass
			13	22.79	-1.80	18.84	<=34.77	Pass
			25	22.67	-1.80	18.72	<=34.77	Pass
		50	0	22.73	-1.80	18.78	<=34.77	Pass
	710	1	0	24.05	-1.80	20.10	<=34.77	Pass
			25	23.92	-1.80	19.97	<=34.77	Pass
			49	24.16	-1.80	20.21	<=34.77	Pass
		25	0	22.75	-1.80	18.80	<=34.77	Pass
			13	22.83	-1.80	18.88	<=34.77	Pass
			25	22.76	-1.80	18.81	<=34.77	Pass
		50	0	22.84	-1.80	18.89	<=34.77	Pass
	711	1	0	23.96	-1.80	20.01	<=34.77	Pass
			25	23.87	-1.80	19.92	<=34.77	Pass
			49	24.45	-1.80	20.50	<=34.77	Pass
		25	0	23.24	-1.80	19.29	<=34.77	Pass
			13	23.28	-1.80	19.33	<=34.77	Pass
			25	23.29	-1.80	19.34	<=34.77	Pass
		50	0	23.34	-1.80	19.39	<=34.77	Pass
16QAM	709	1	0	23.08	-1.80	19.13	<=34.77	Pass
			25	23.25	-1.80	19.30	<=34.77	Pass
			49	23.30	-1.80	19.35	<=34.77	Pass
		25	0	21.57	-1.80	17.62	<=34.77	Pass
			13	21.83	-1.80	17.88	<=34.77	Pass
			25	21.78	-1.80	17.83	<=34.77	Pass
		50	0	21.64	-1.80	17.69	<=34.77	Pass
	710	1	0	22.72	-1.80	18.77	<=34.77	Pass
			25	22.87	-1.80	18.92	<=34.77	Pass
			49	22.84	-1.80	18.89	<=34.77	Pass
		25	0	21.75	-1.80	17.80	<=34.77	Pass
			13	21.92	-1.80	17.97	<=34.77	Pass
			25	21.90	-1.80	17.95	<=34.77	Pass
		50	0	21.79	-1.80	17.84	<=34.77	Pass
	711	1	0	23.32	-1.80	19.37	<=34.77	Pass
			25	23.53	-1.80	19.58	<=34.77	Pass
			49	23.44	-1.80	19.49	<=34.77	Pass
		25	0	22.30	-1.80	18.35	<=34.77	Pass
			13	22.39	-1.80	18.44	<=34.77	Pass
			25	22.37	-1.80	18.42	<=34.77	Pass
		50	0	22.27	-1.80	18.32	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-4.735	-0.0067	-2.5 to 2.5	Pass
					3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-6.666	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.532	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-3.133	-0.0044	-2.5 to 2.5	Pass
					3.85	0.615	0.0009	-2.5 to 2.5	Pass
					4.43	-2.103	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-2.589	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-4.506	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.916	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.804	-0.0039	-2.5 to 2.5	Pass
					4.43	-0.043	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-5.279	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				0	3.85	1.030	0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-7.052	-0.0099	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0011	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-2.704	-0.0038	-2.5 to 2.5	Pass
					3.85	-4.578	-0.0065	-2.5 to 2.5	Pass
					4.43	-0.858	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-5.479	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.980	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
	710	25	0	20	3.27	0.830	0.0012	-2.5 to 2.5	Pass
					3.85	-4.463	-0.0063	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-6.337	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-4.964	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-2.589	-0.0036	-2.5 to 2.5	Pass
				30	3.85	0.958	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass

	713.5	25	0	20	3.27	-4.220	-0.0059	-2.5 to 2.5	Pass
					3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.018	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-4.292	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				30	3.85	2.003	0.0028	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-6.037	-0.0085	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	-2.489	-0.0035	-2.5 to 2.5	Pass
					3.85	0.215	0.0003	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-2.289	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-3.462	-0.0049	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
					4.43	-5.322	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-2.131	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-4.148	-0.0058	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.146	-0.0030	-2.5 to 2.5	Pass
					3.85	-1.488	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.446	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-4.478	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-3.476	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-5.164	-0.0073	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.133	-0.0044	-2.5 to 2.5	Pass

				-20	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.459	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.719	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0018	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-2.646	-0.0037	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.648	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-5.436	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-4.792	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-4.148	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-2.017	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.904	-0.0041	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-3.648	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-2.360	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-1.788	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass

3. Modulation Characteristics

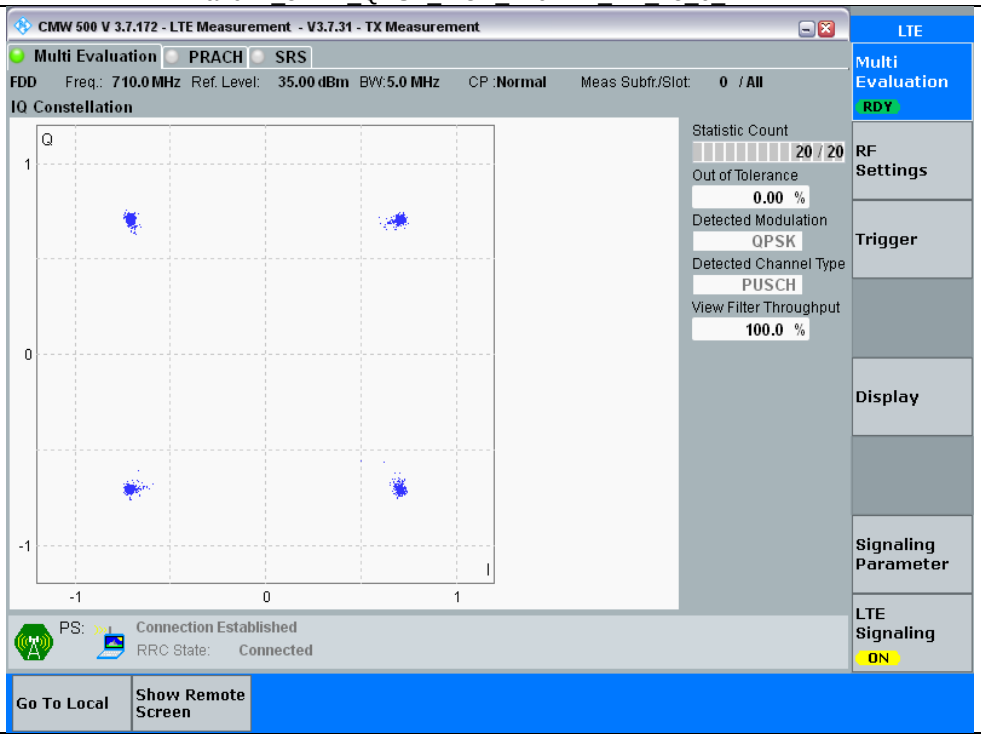
3.1 B17_5MHz

3.1.1 Test Result

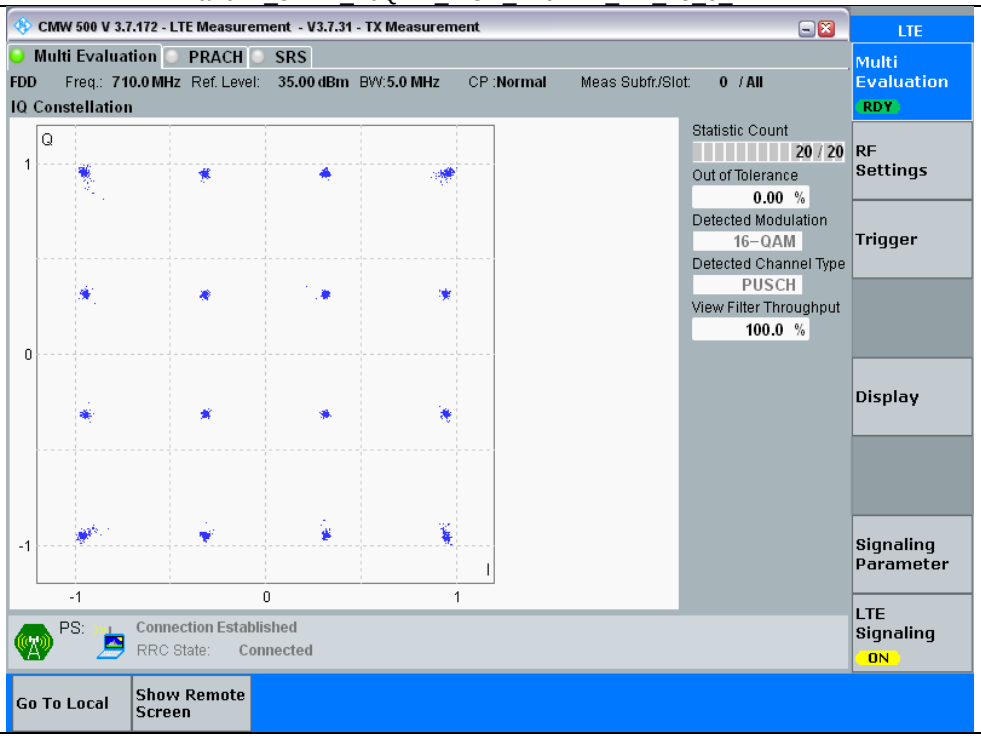
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



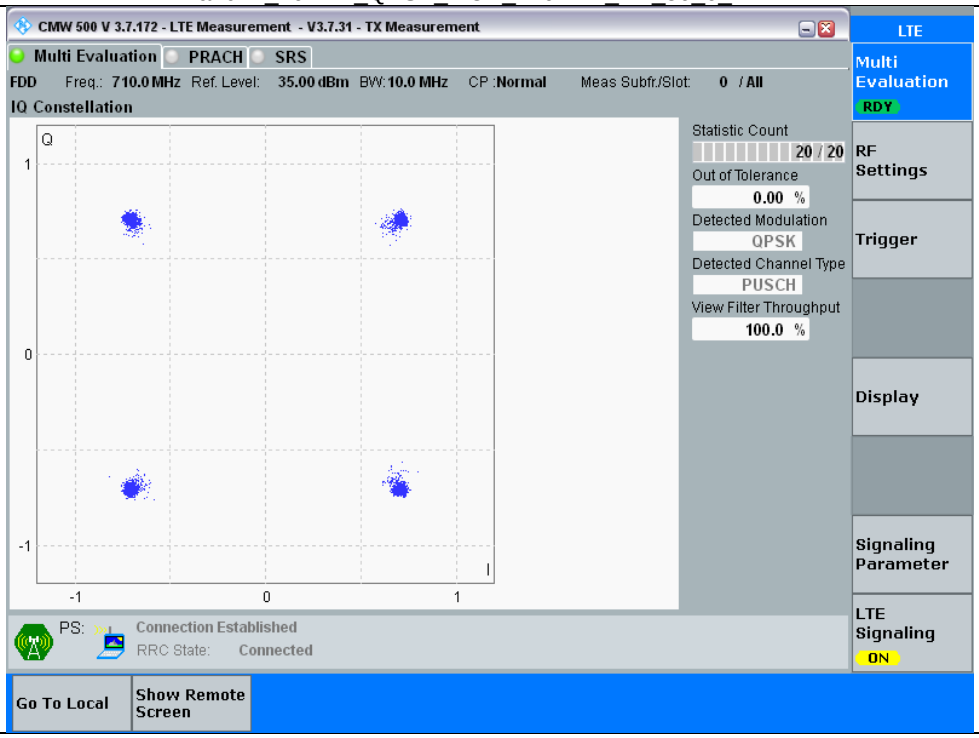
3.2 B17_10MHz

3.2.1 Test Result

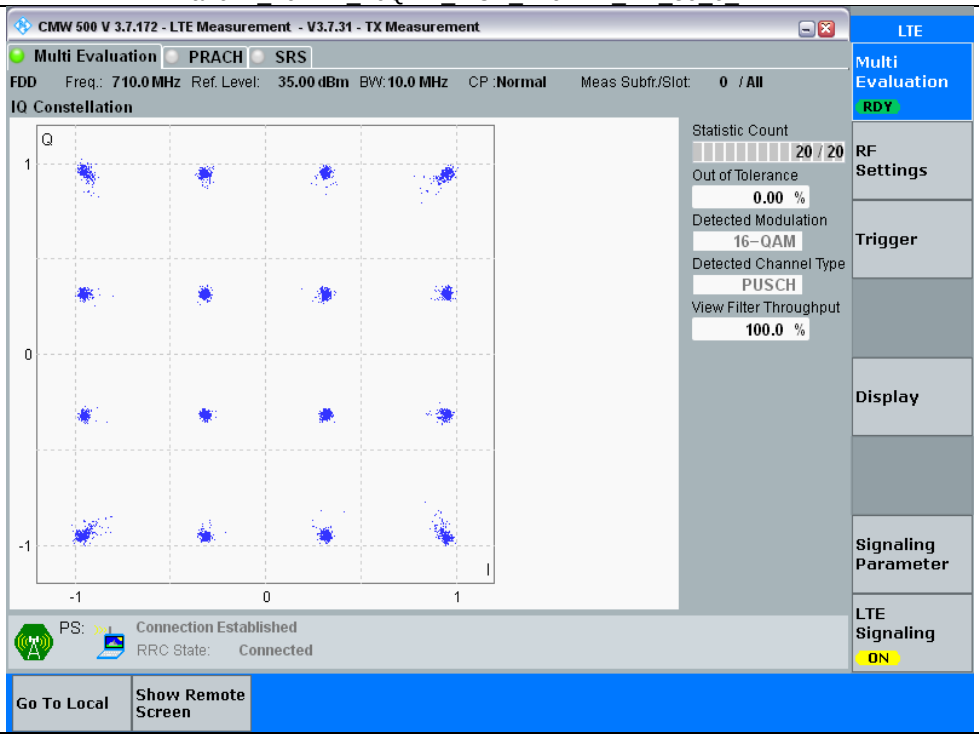
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

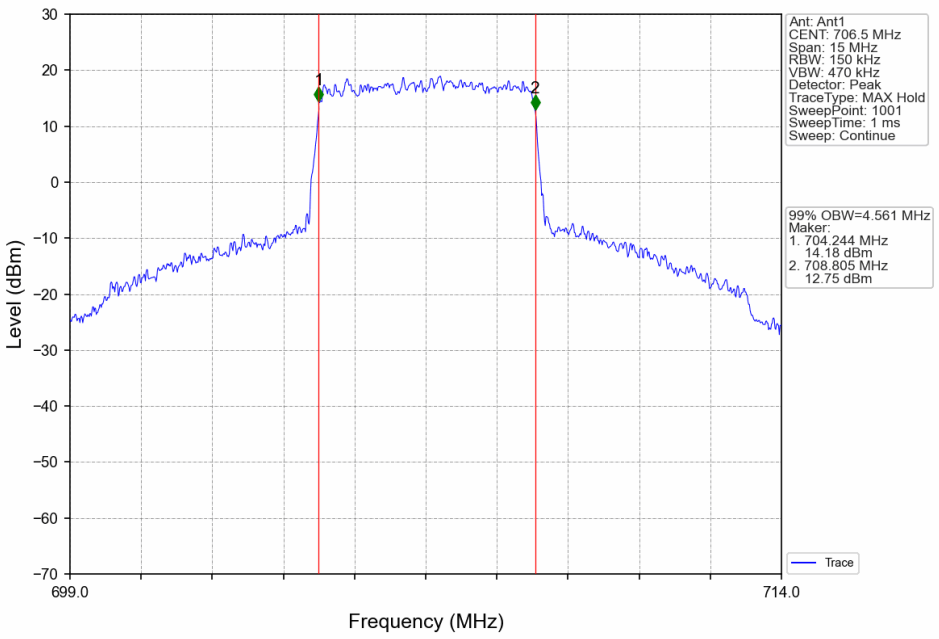
4.1 Band17_OBW

4.1.1 Test Result

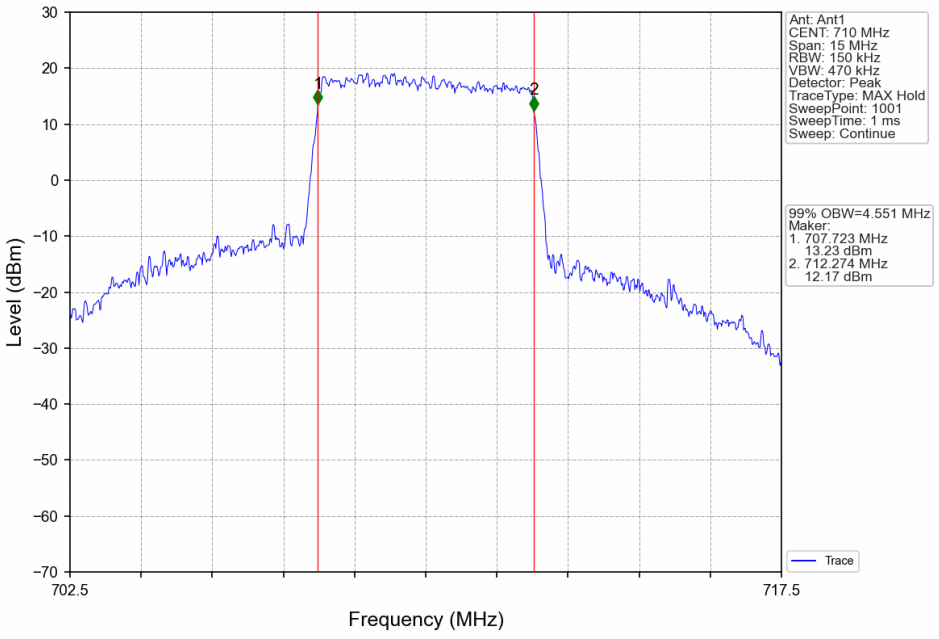
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.561	/	Pass
		710	25	0	4.551	/	Pass
		713.5	25	0	4.563	/	Pass
	16QAM	706.5	25	0	4.573	/	Pass
		710	25	0	4.570	/	Pass
		713.5	25	0	4.542	/	Pass
10	QPSK	709	50	0	9.031	/	Pass
		710	50	0	9.037	/	Pass
		711	50	0	9.074	/	Pass
	16QAM	709	50	0	9.014	/	Pass
		710	50	0	9.049	/	Pass
		711	50	0	9.081	/	Pass

4.1.2 Test Graph

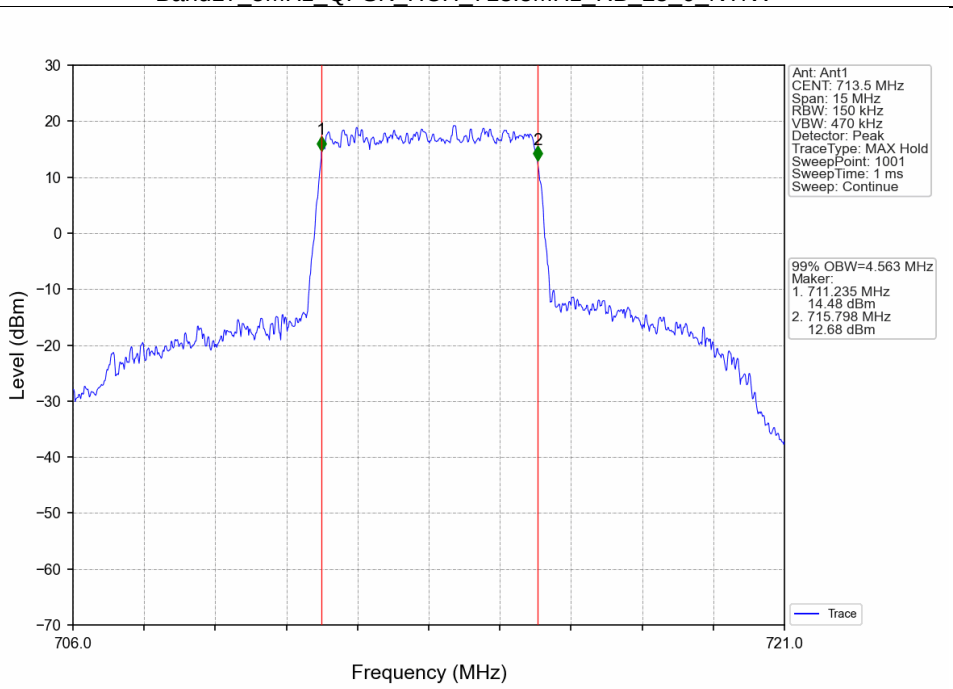
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



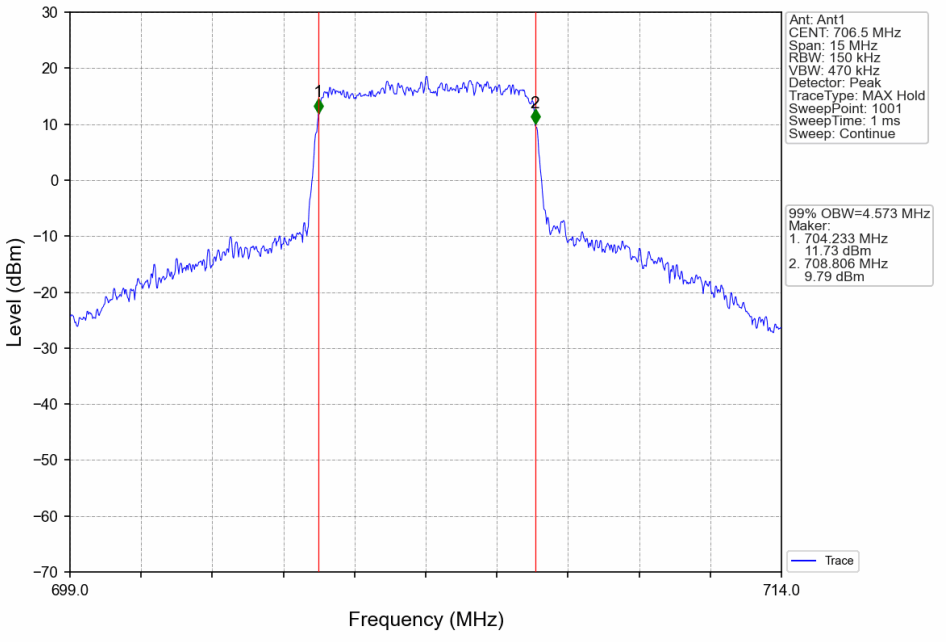
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



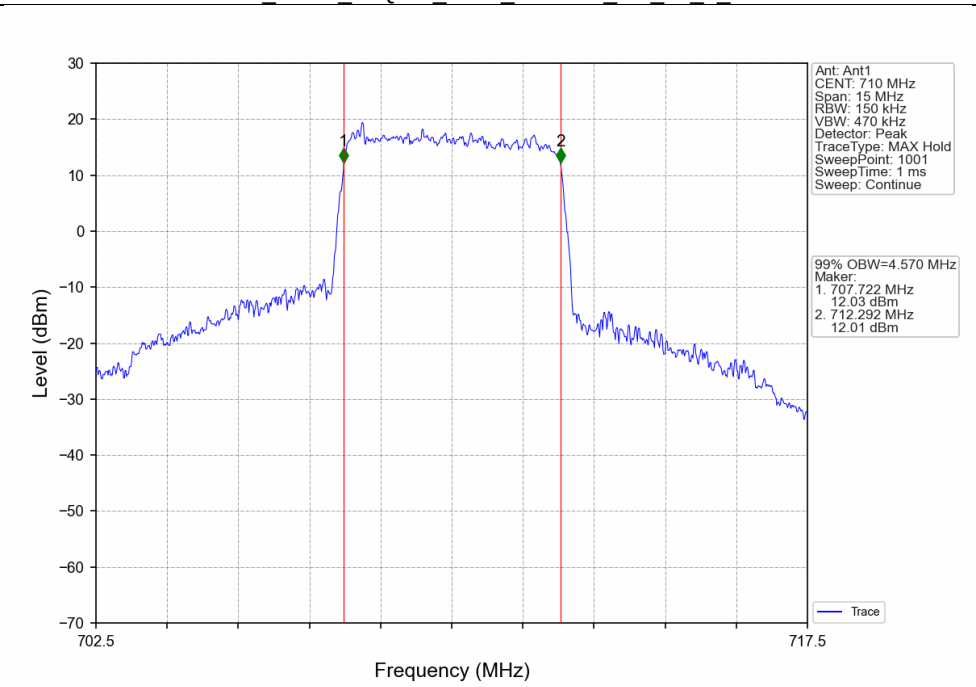
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



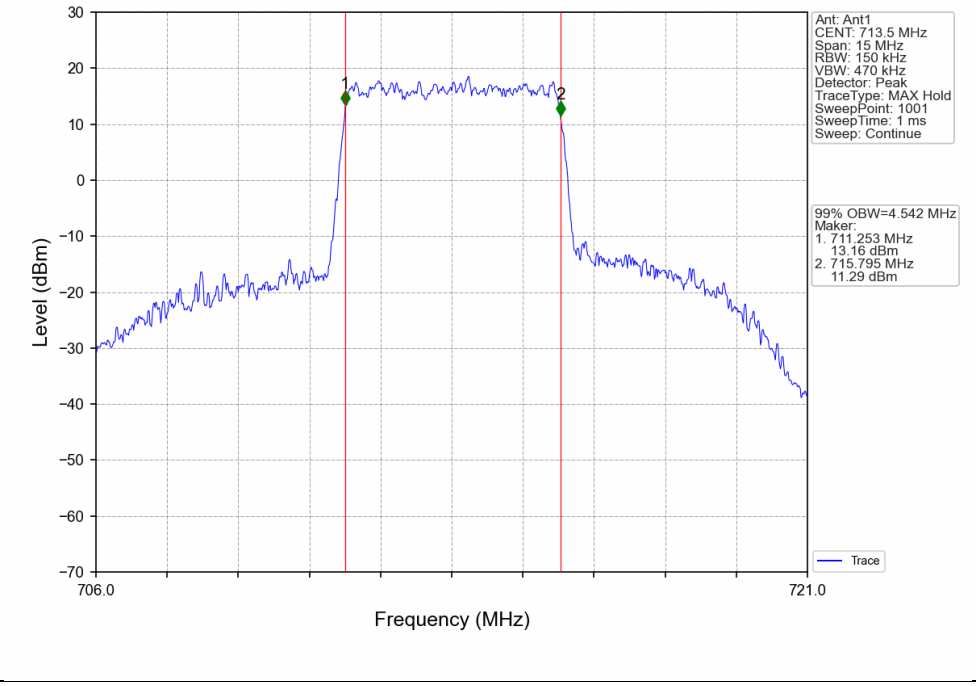
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



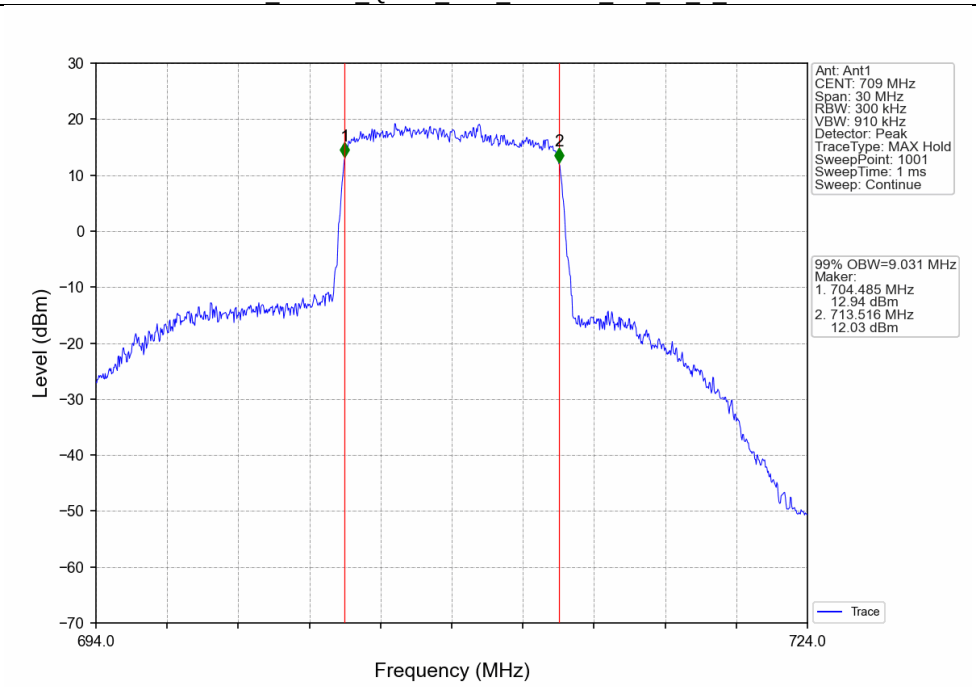
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



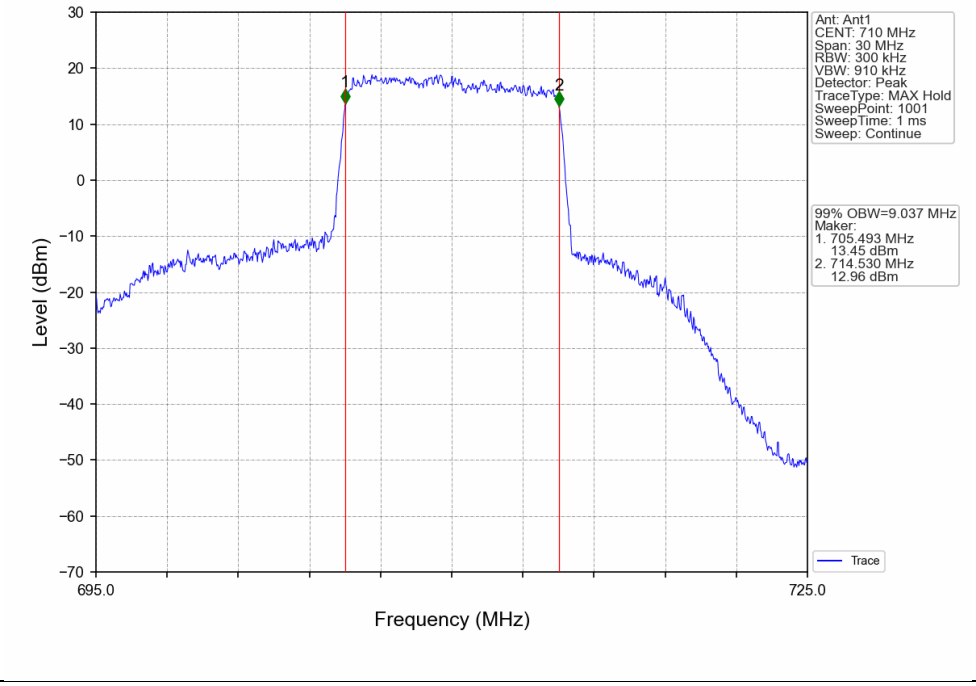
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



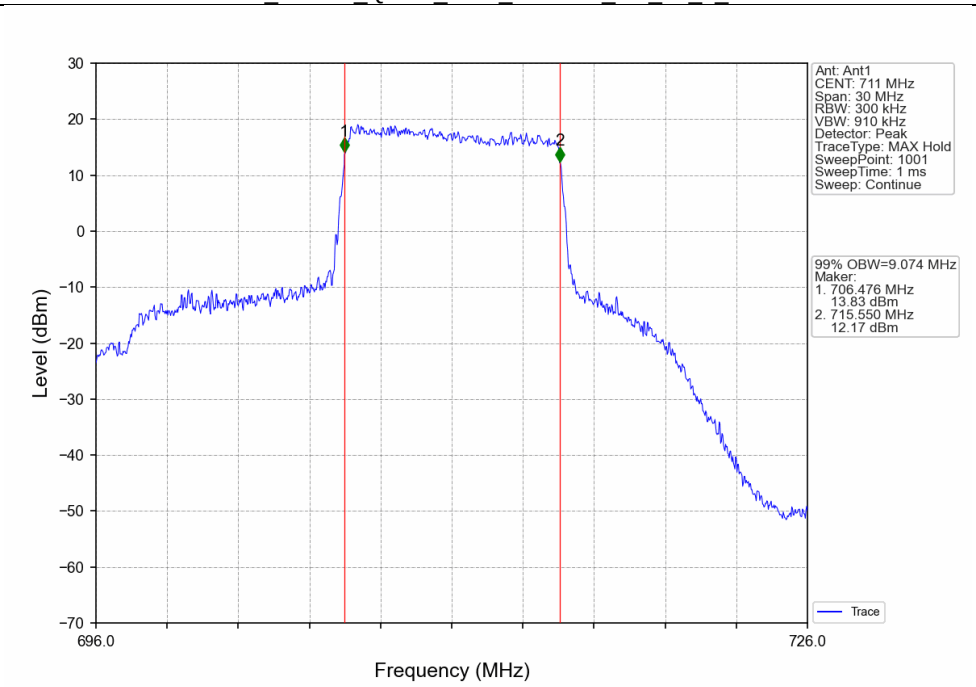
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



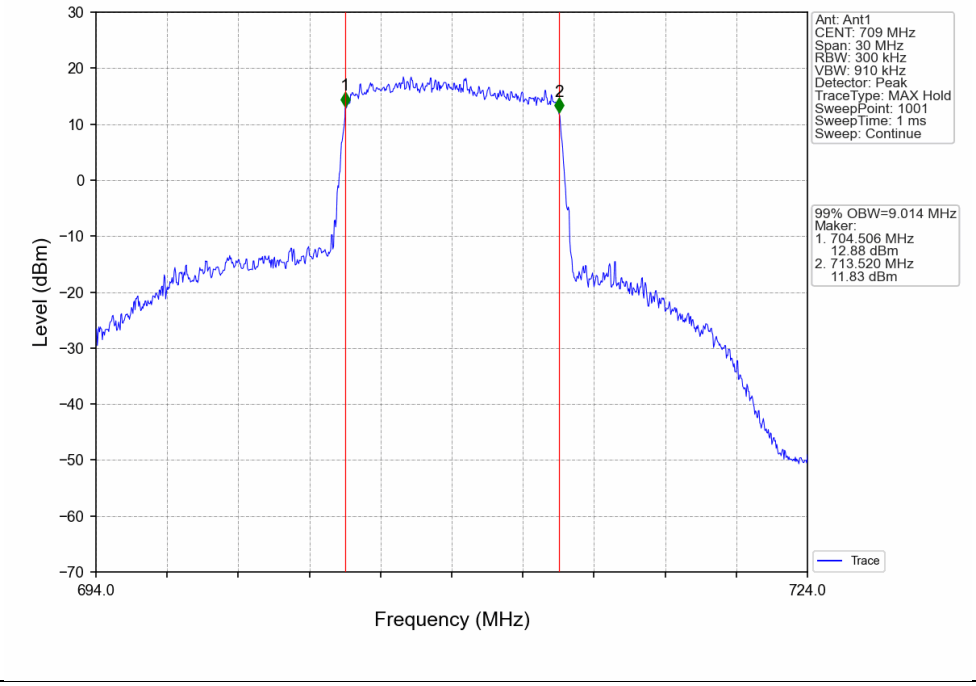
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



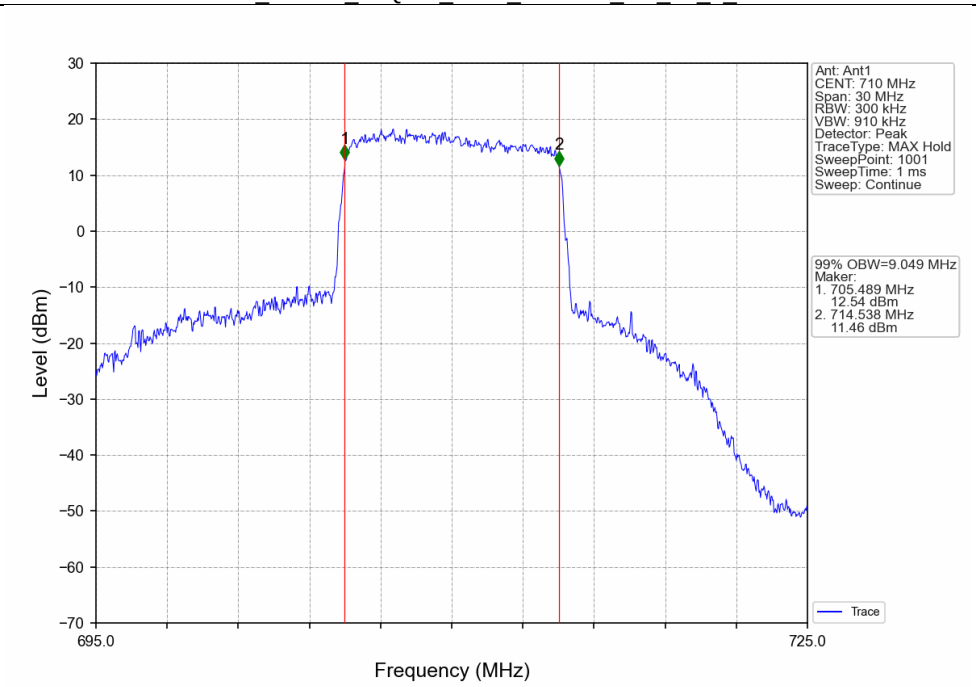
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



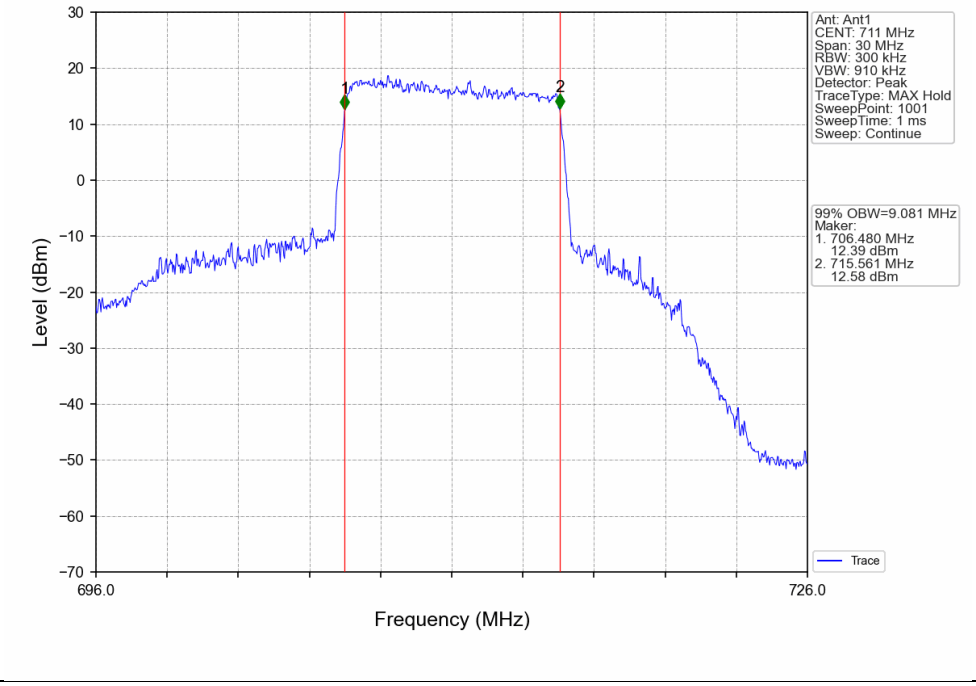
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



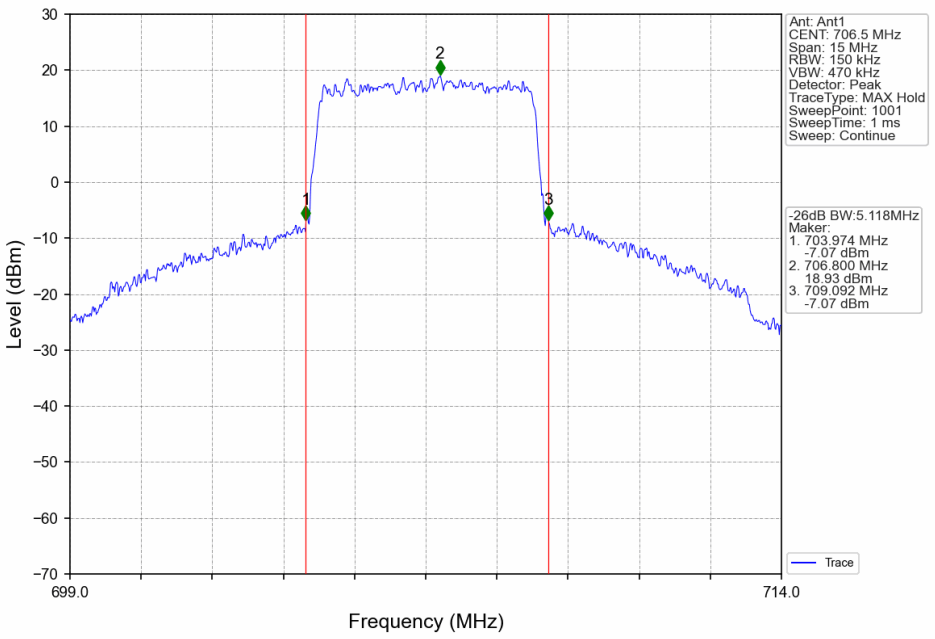
4.2 Band17_XDB

4.2.1 Test Result

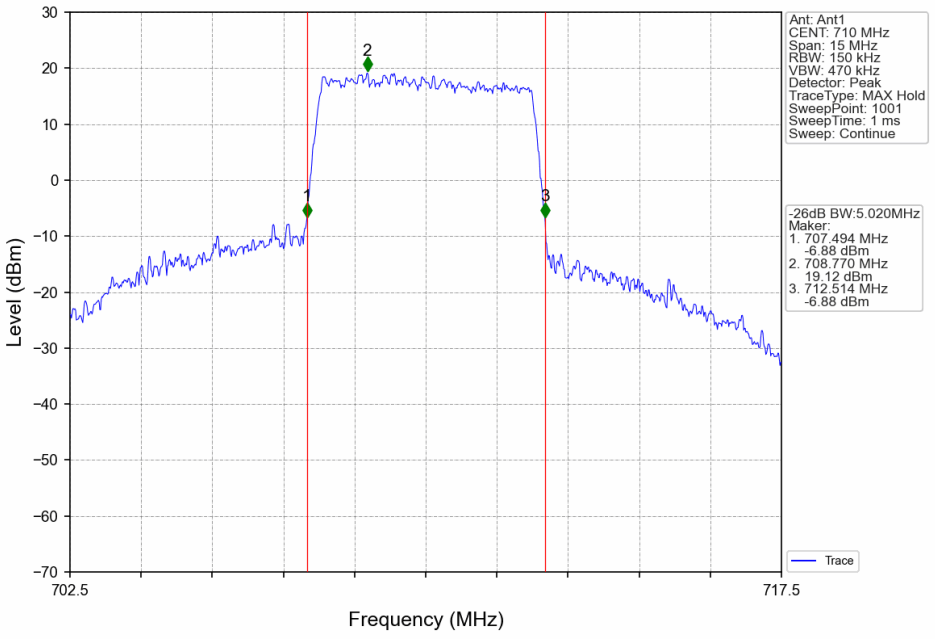
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.118	/	Pass
		710	25	0	5.020	/	Pass
		713.5	25	0	5.017	/	Pass
	16QAM	706.5	25	0	5.394	/	Pass
		710	25	0	4.993	/	Pass
		713.5	25	0	4.998	/	Pass
10	QPSK	709	50	0	9.861	/	Pass
		710	50	0	9.902	/	Pass
		711	50	0	9.986	/	Pass
	16QAM	709	50	0	9.919	/	Pass
		710	50	0	9.842	/	Pass
		711	50	0	9.892	/	Pass

4.2.2 Test Graph

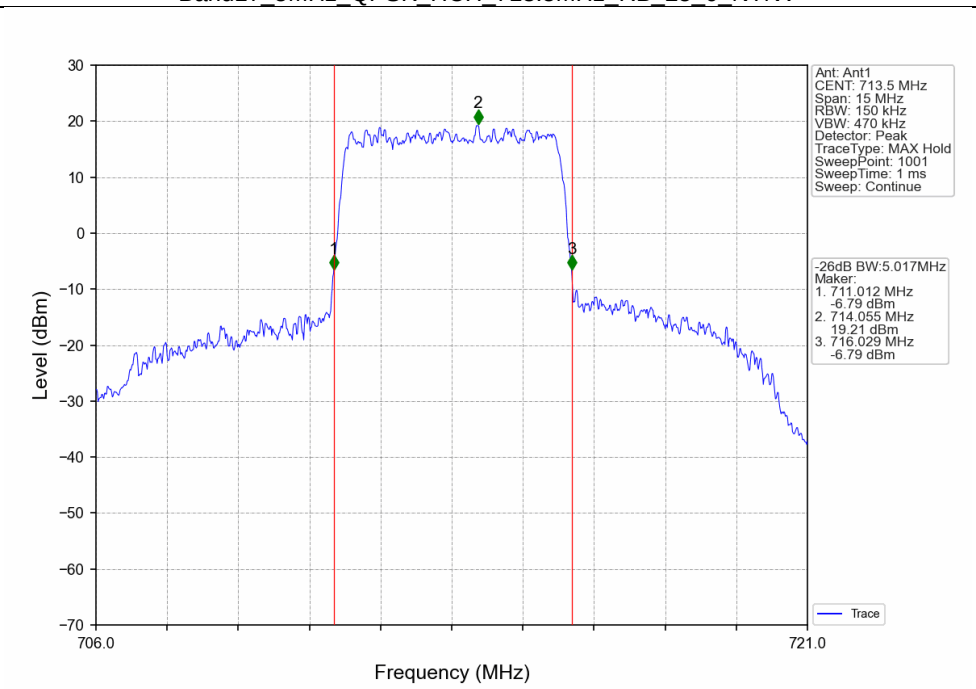
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



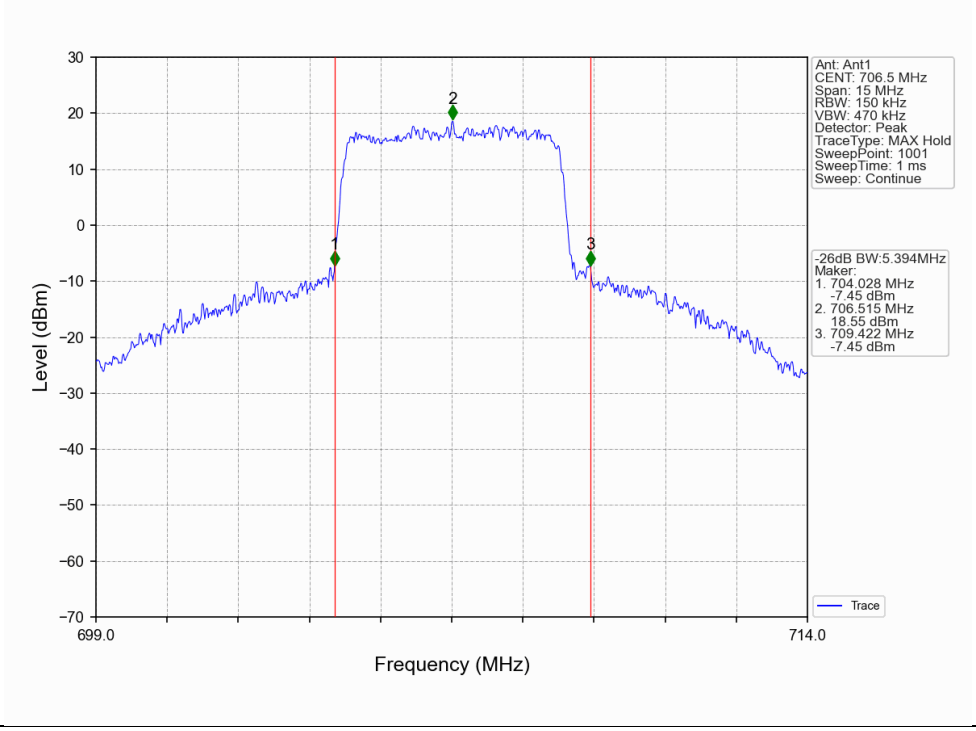
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



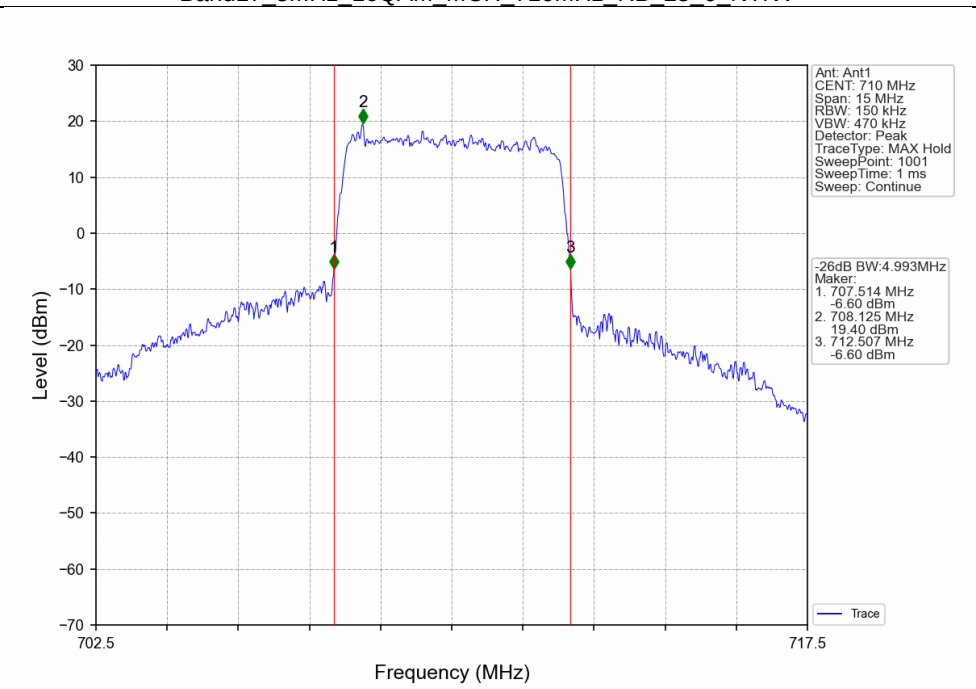
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



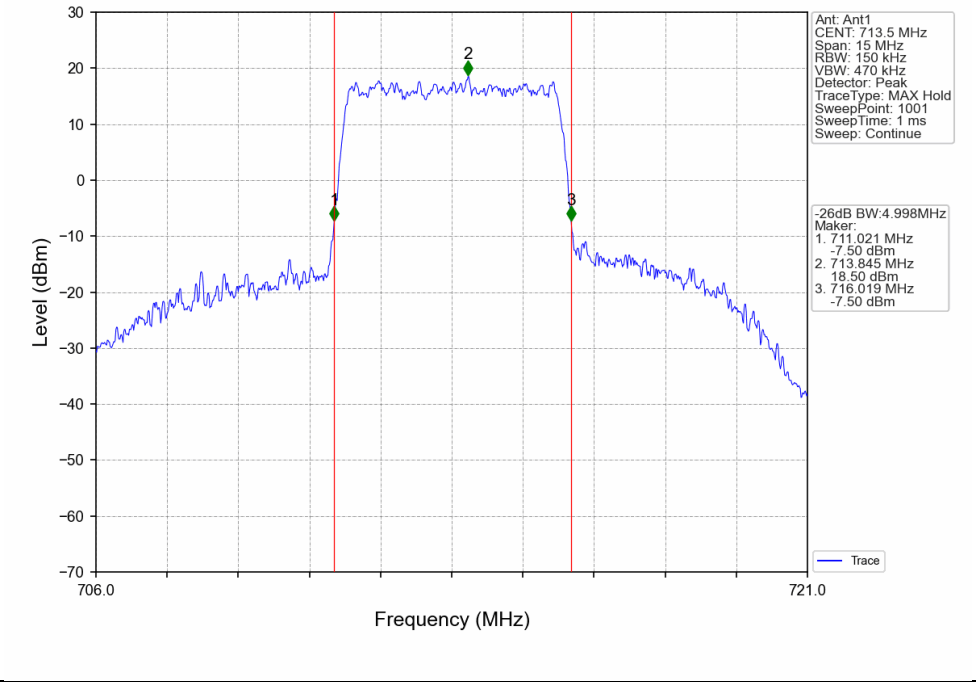
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



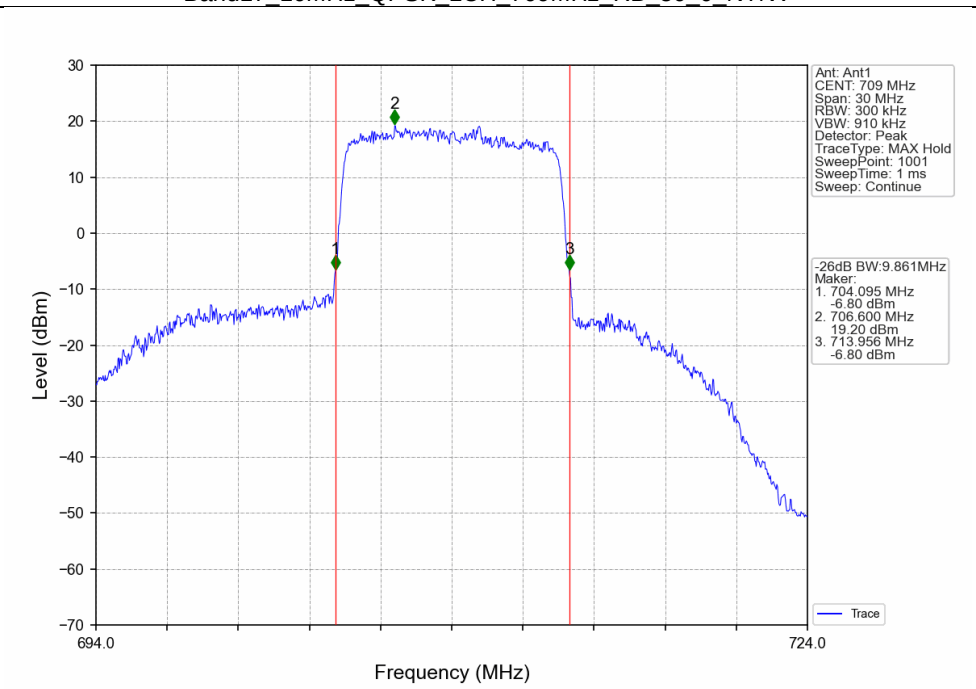
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



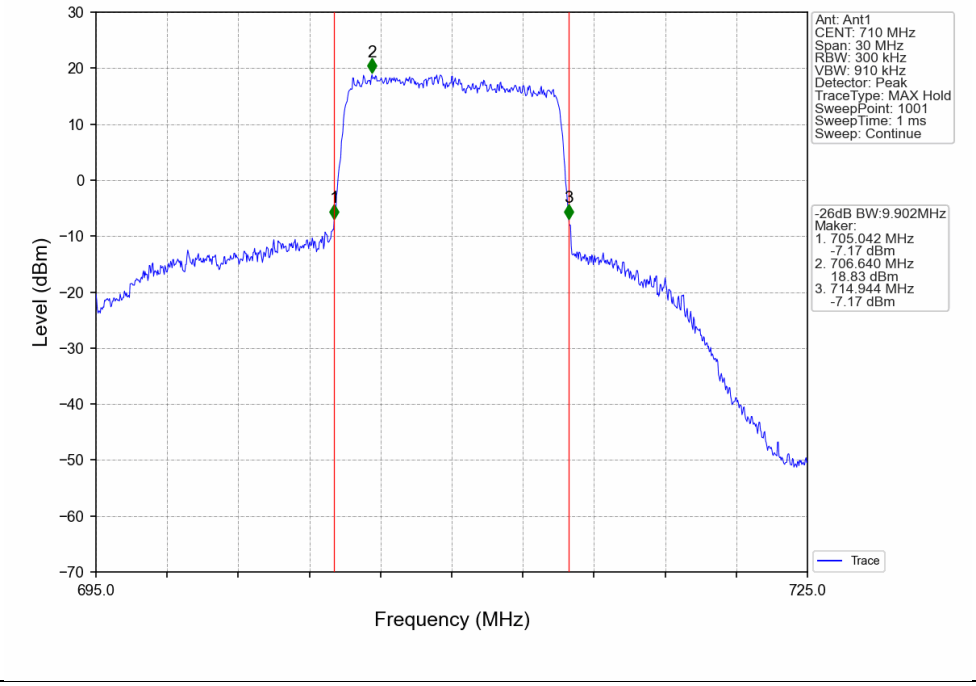
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



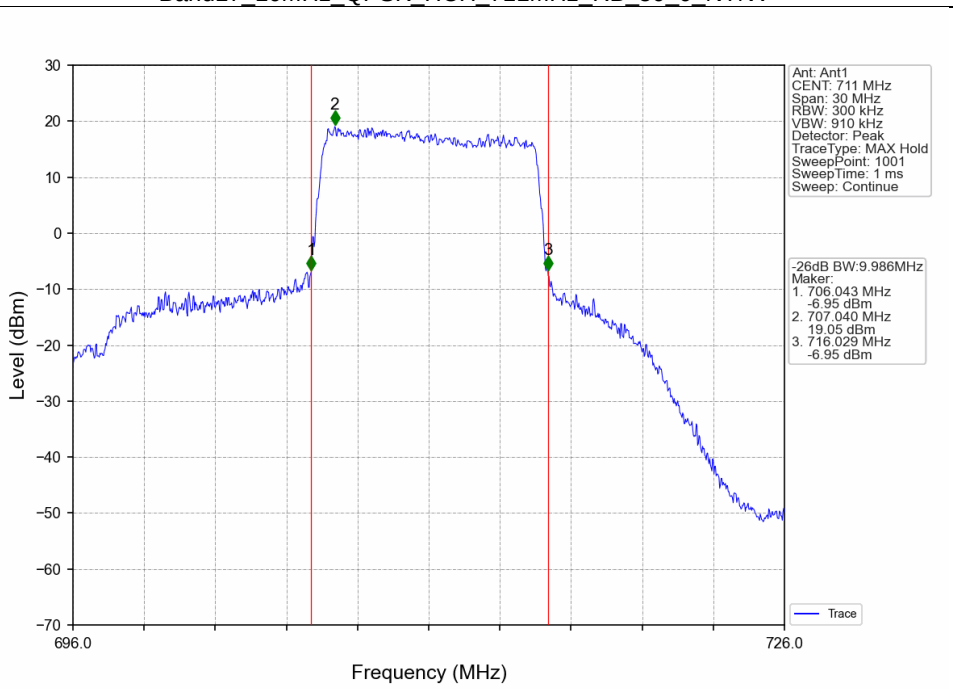
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



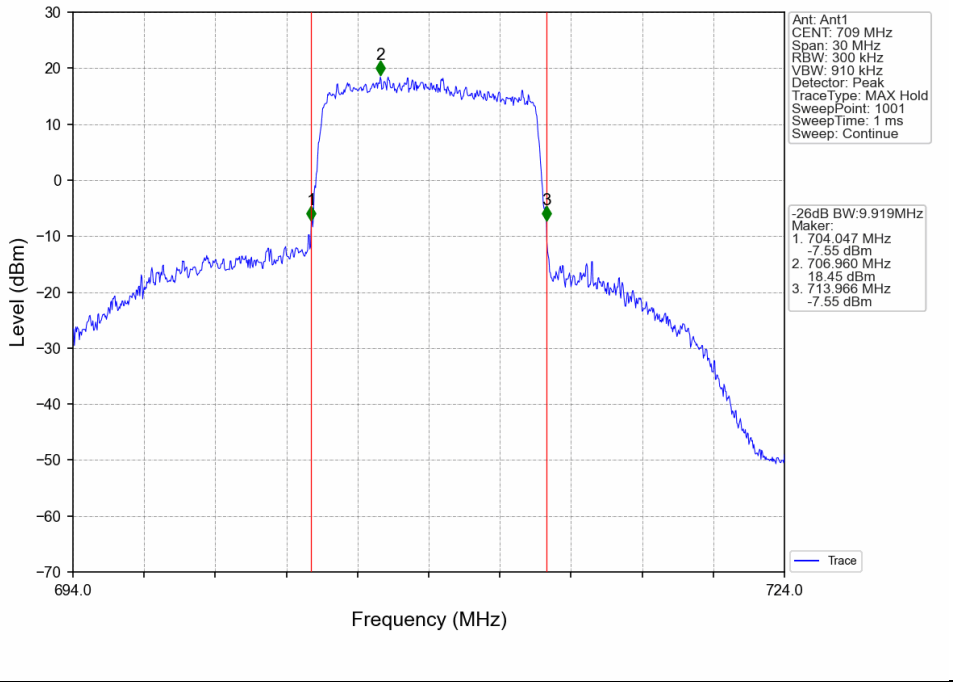
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



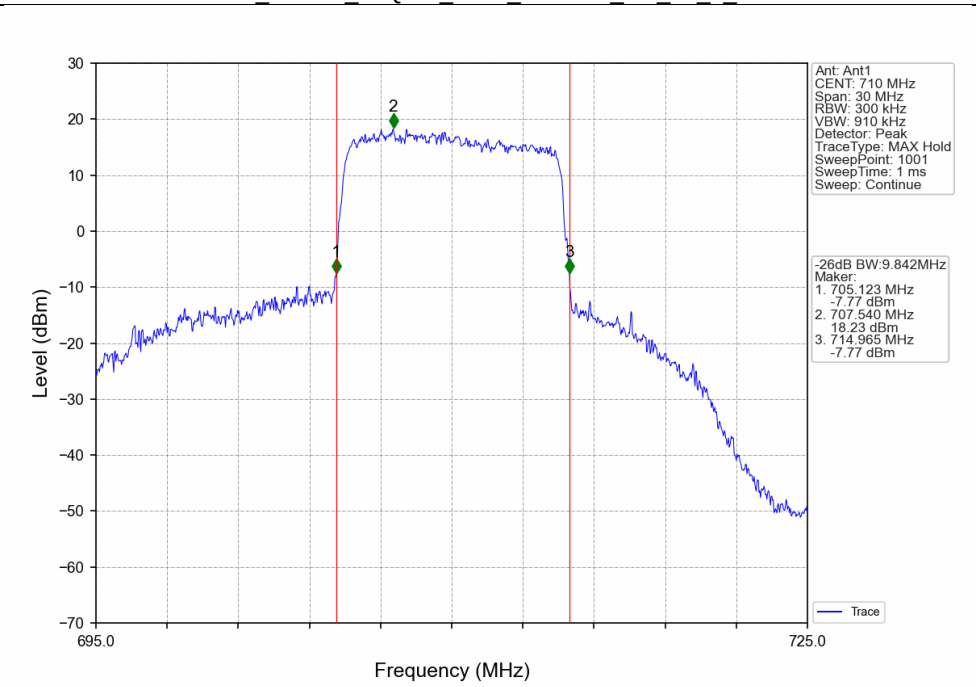
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



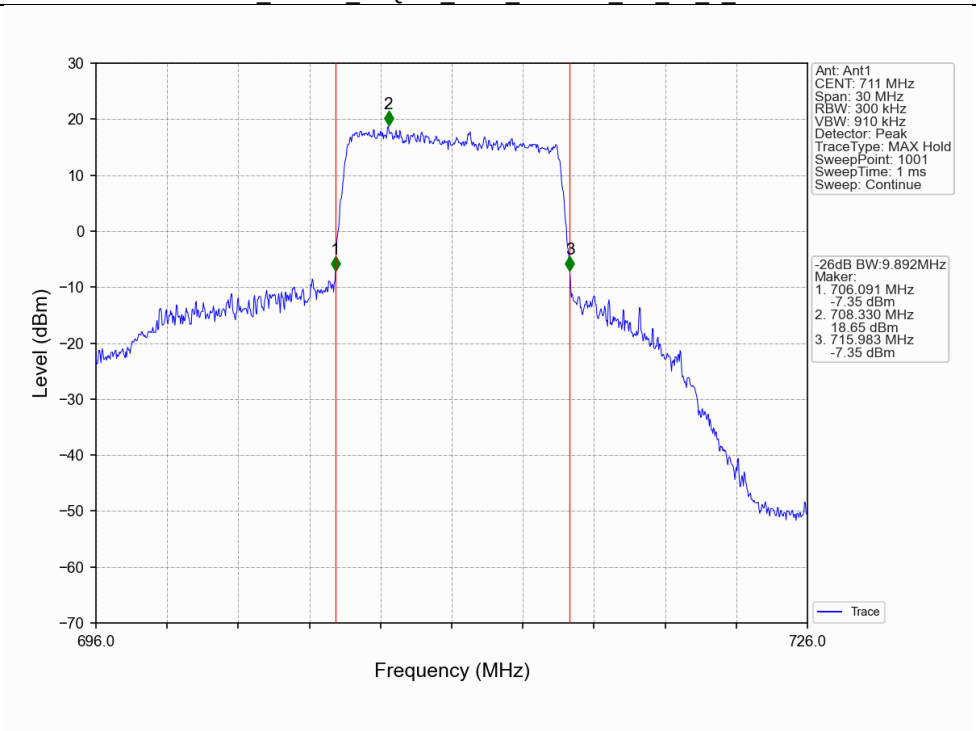
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

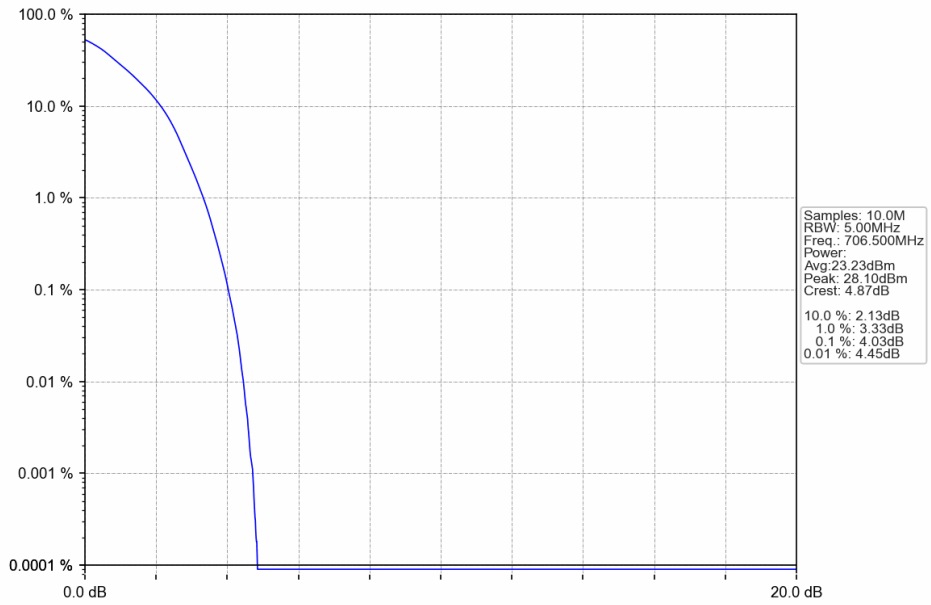
5.1 B17_5MHz

5.1.1 Test Result

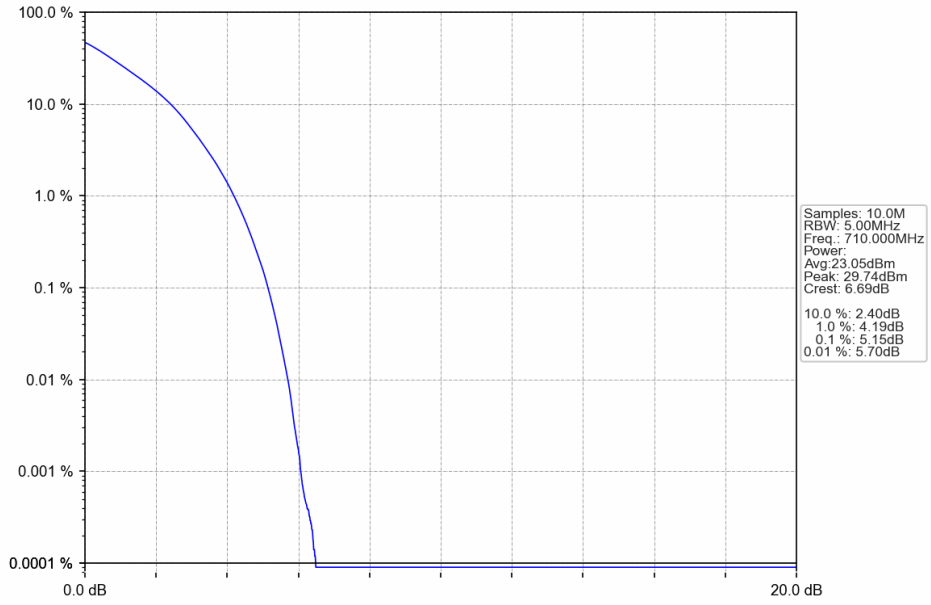
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	4.03	<=13	Pass
	710	25	0	5.15	<=13	Pass
	713.5	25	0	4.99	<=13	Pass
16QAM	706.5	25	0	4.80	<=13	Pass
	710	25	0	5.85	<=13	Pass
	713.5	25	0	5.78	<=13	Pass

5.1.2 Test Graph

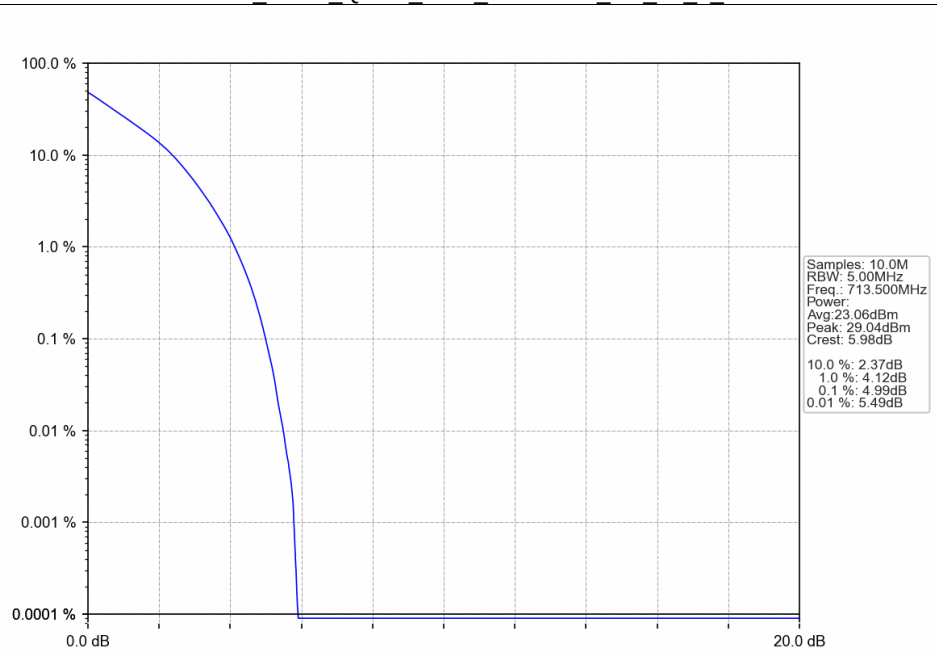
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



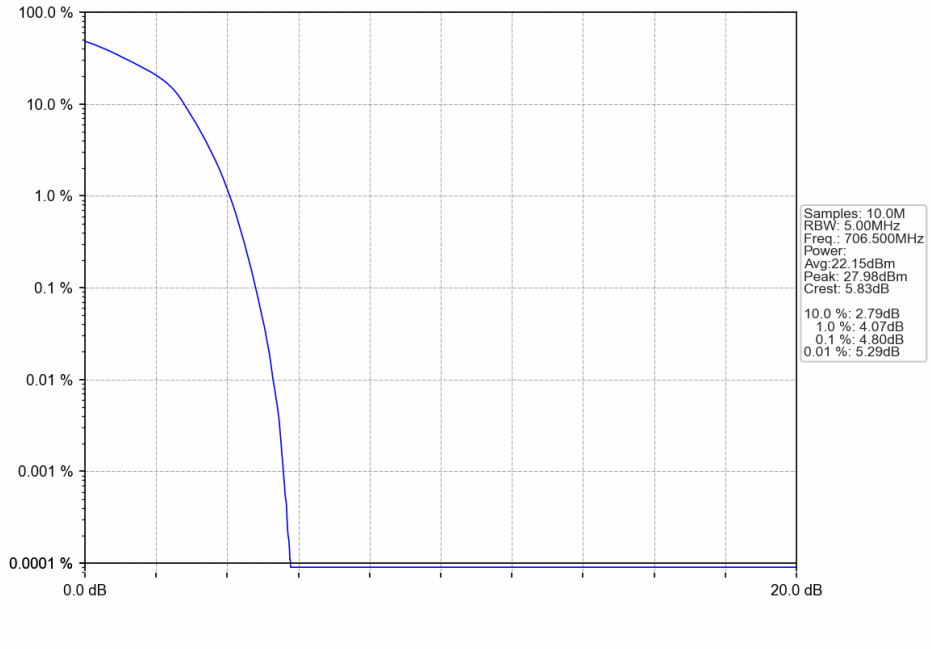
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



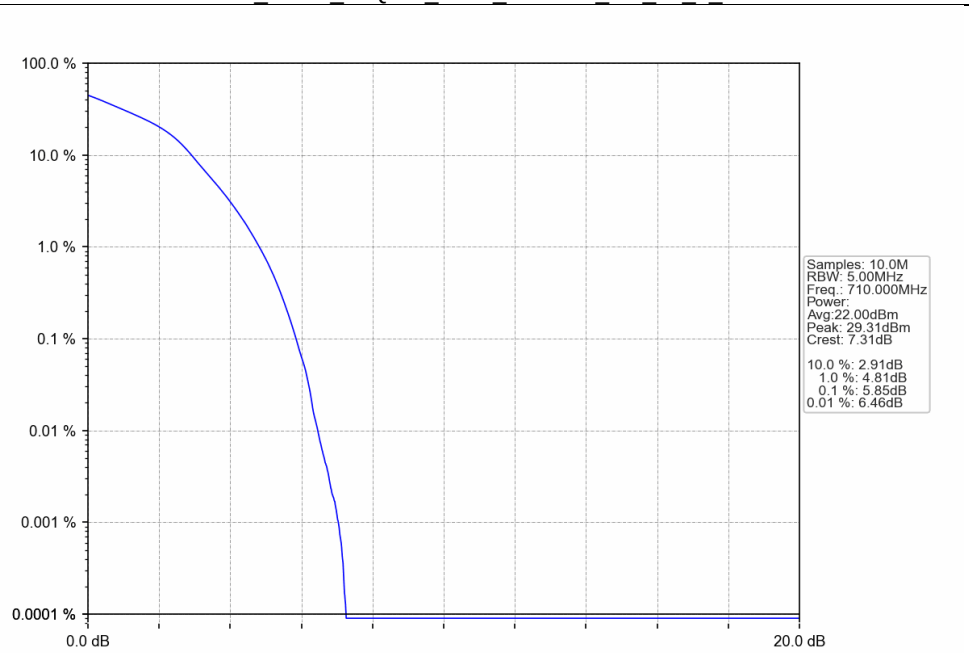
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



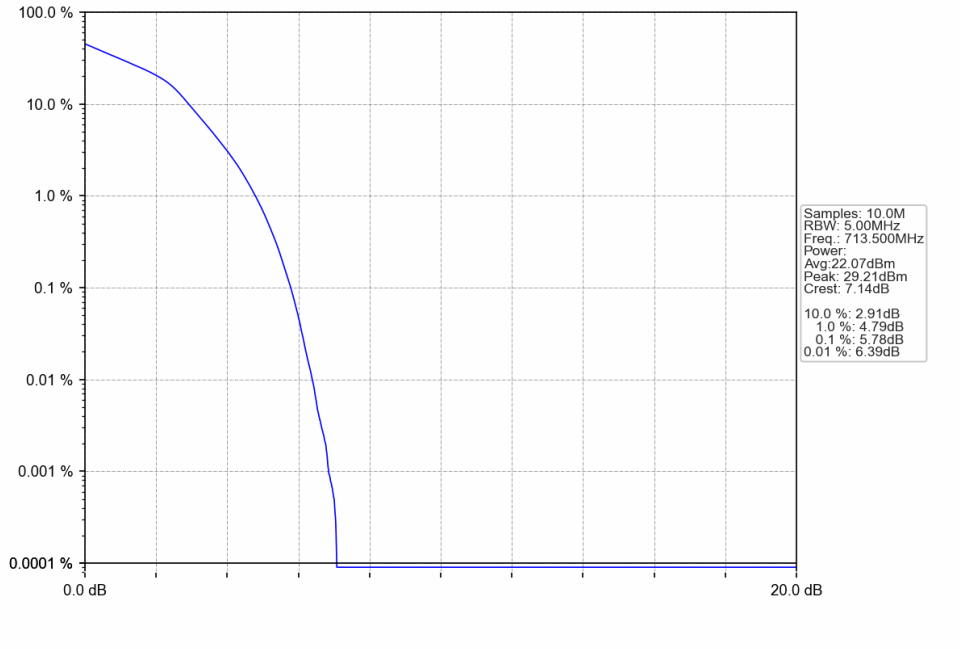
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



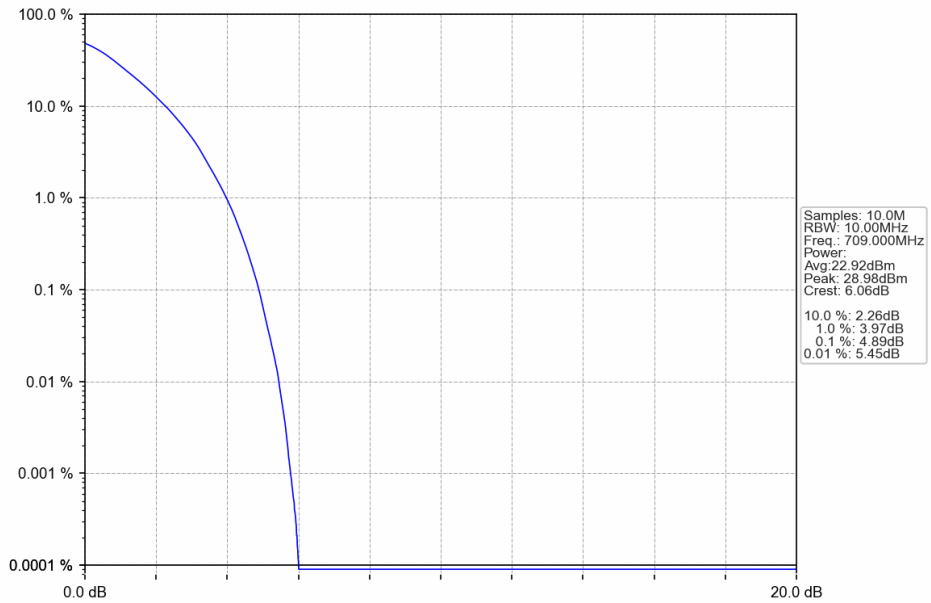
5.2 B17_10MHz

5.2.1 Test Result

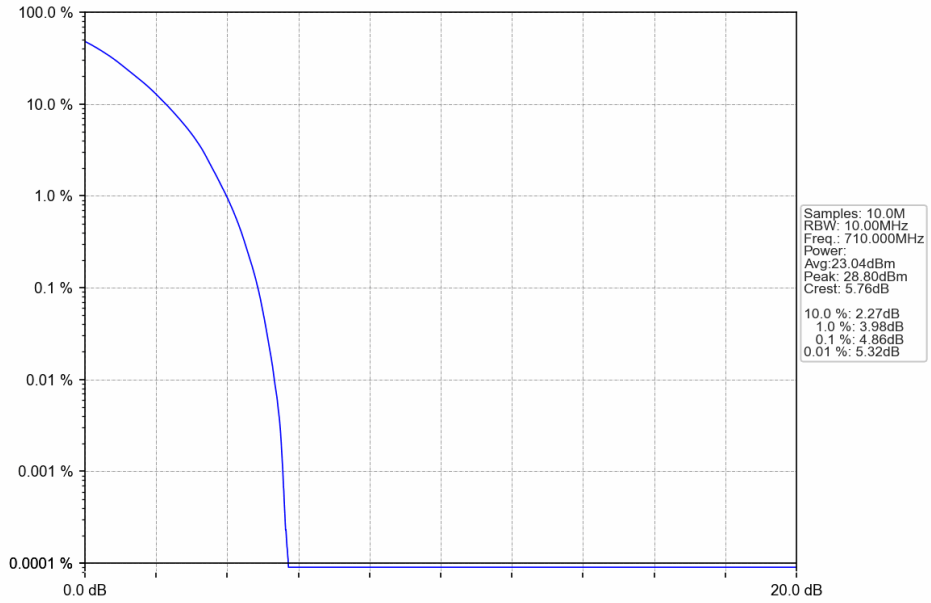
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.89	<=13	Pass
	710	50	0	4.86	<=13	Pass
	711	50	0	4.74	<=13	Pass
16QAM	709	50	0	5.67	<=13	Pass
	710	50	0	5.68	<=13	Pass
	711	50	0	5.60	<=13	Pass

5.2.2 Test Graph

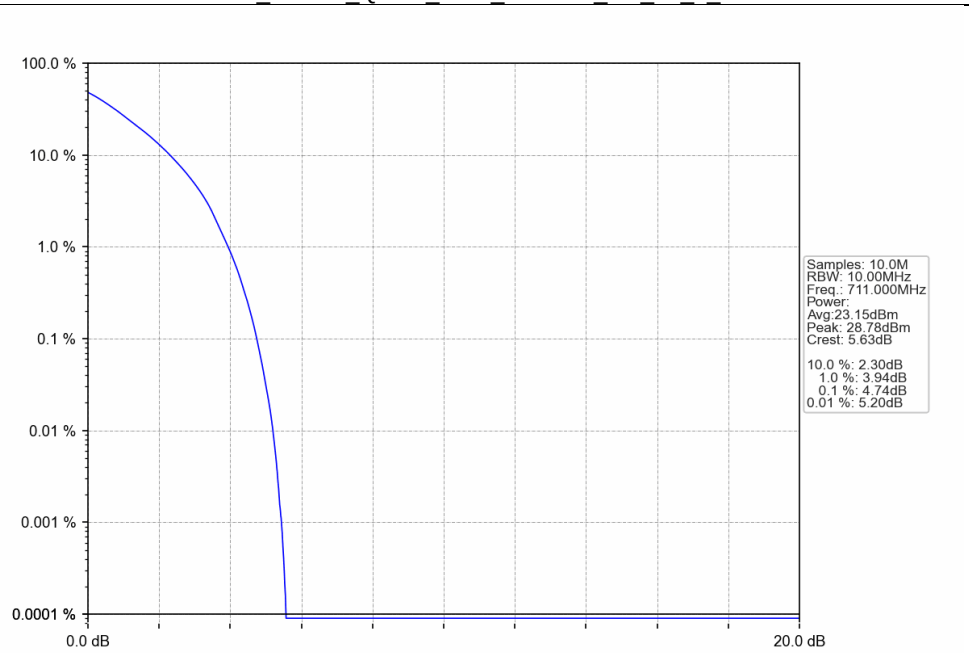
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



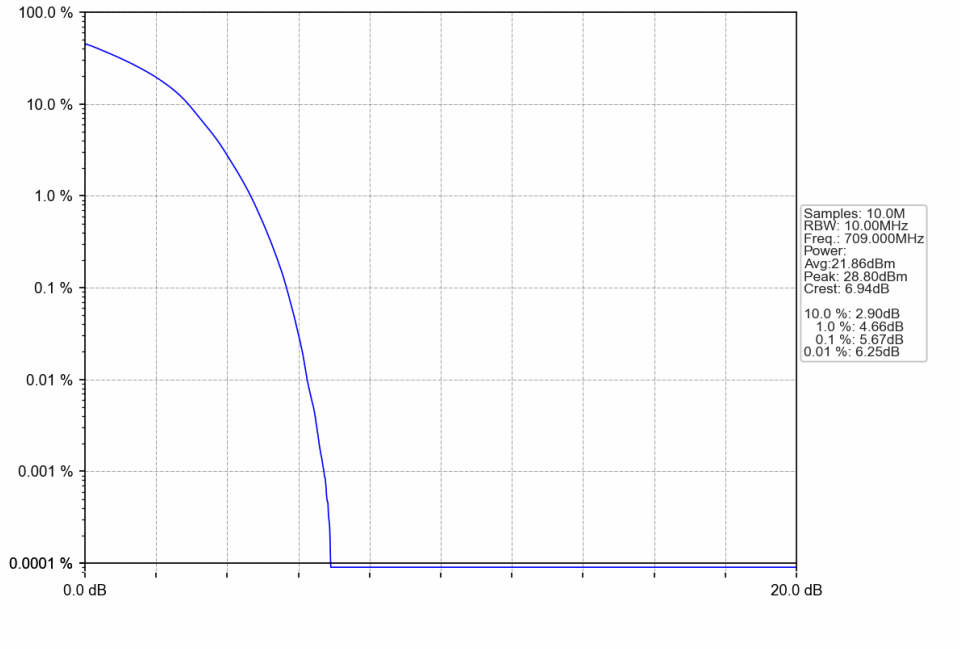
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



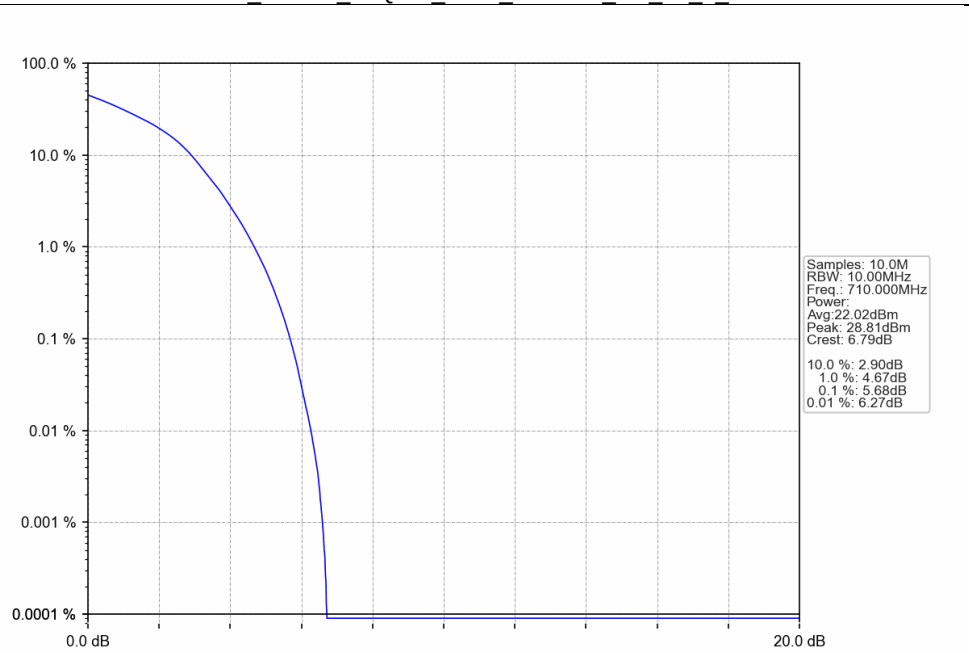
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



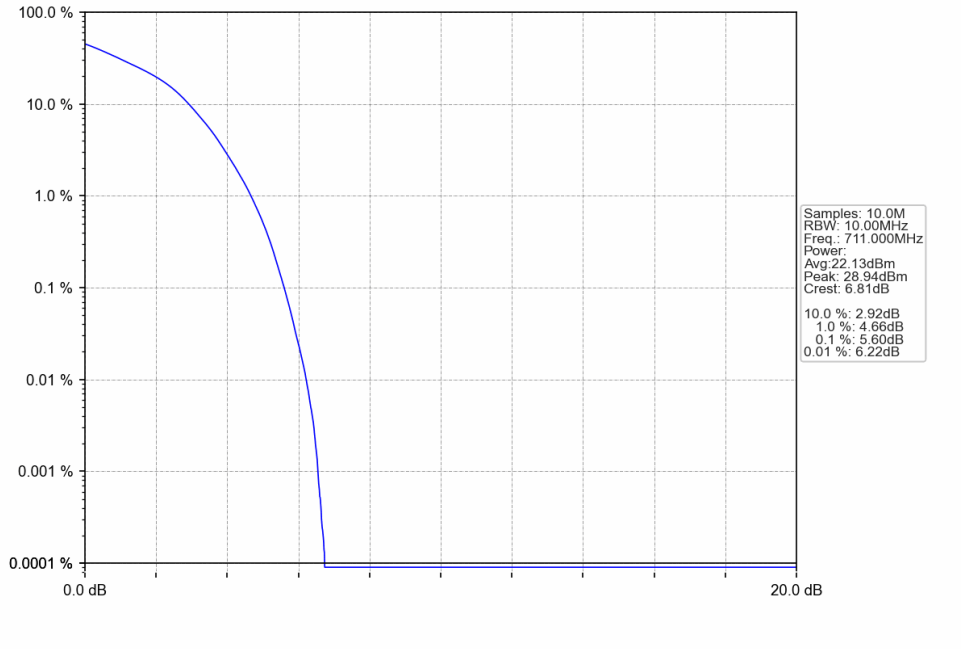
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

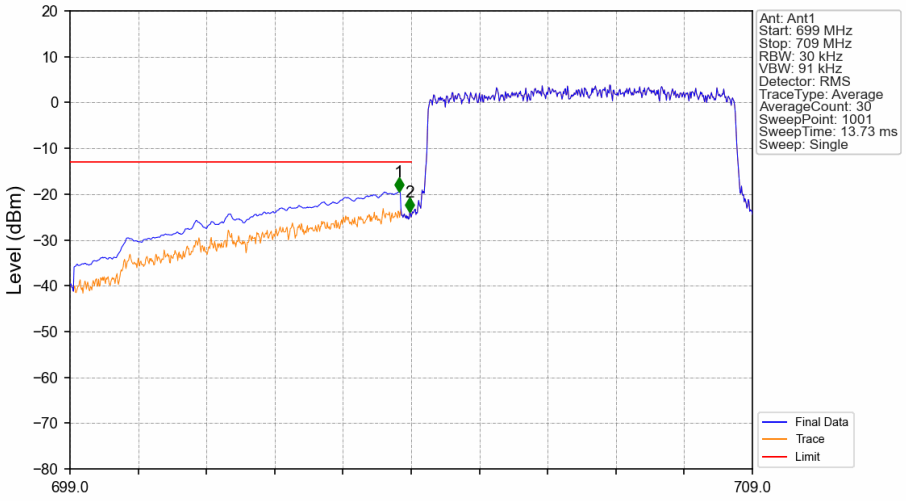
6.1 B17_5MHz

6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	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	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	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

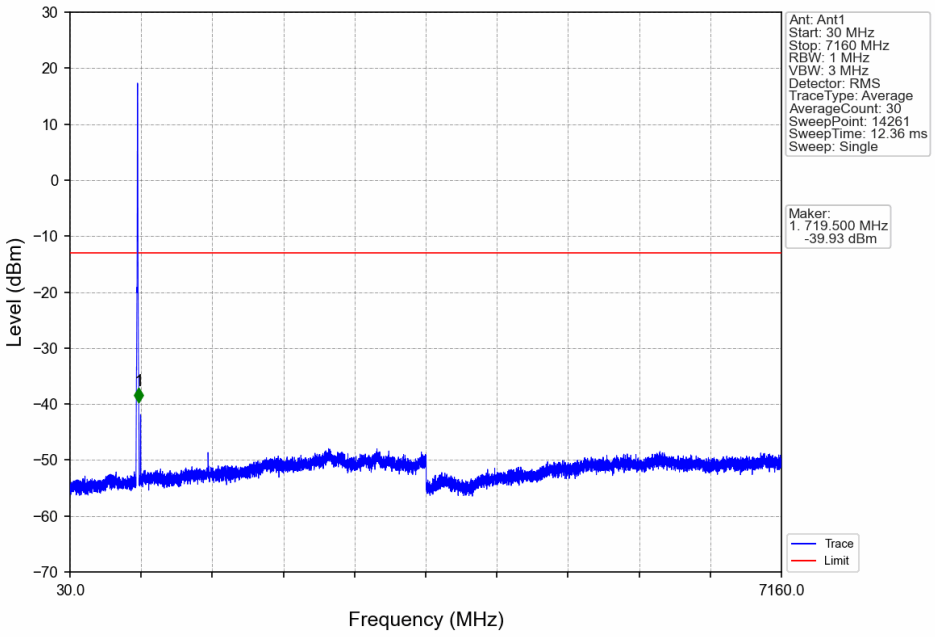
6.1.2 Test Graph

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

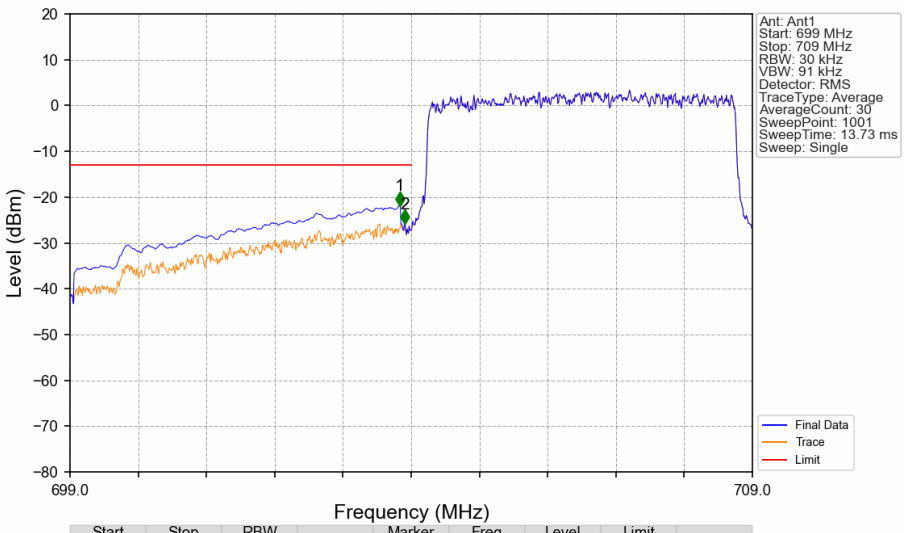


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.820	-19.45	-13	Pass
703.9	704	0.03	/	2	703.980	-23.97	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

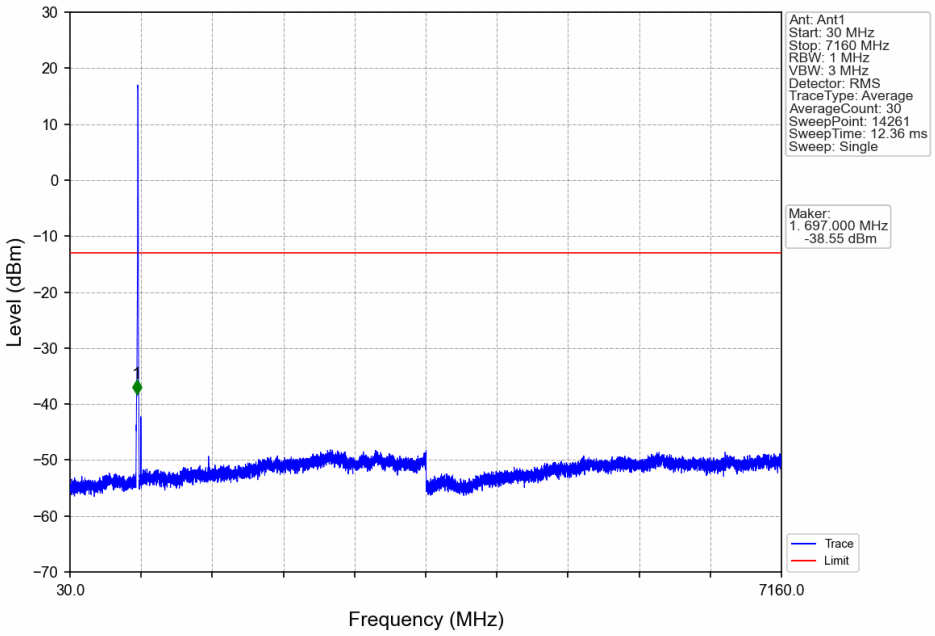


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

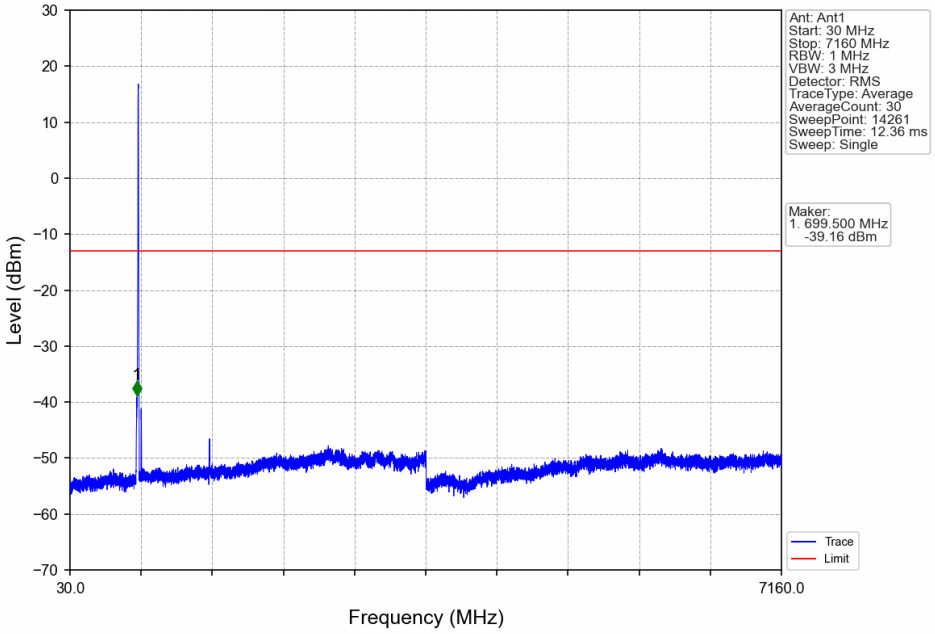


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.830	-21.88	-13	Pass
703.9	704	0.03	/	2	703.910	-25.87	-13	Pass
704	709	0.03	/	/	/	/	/	/

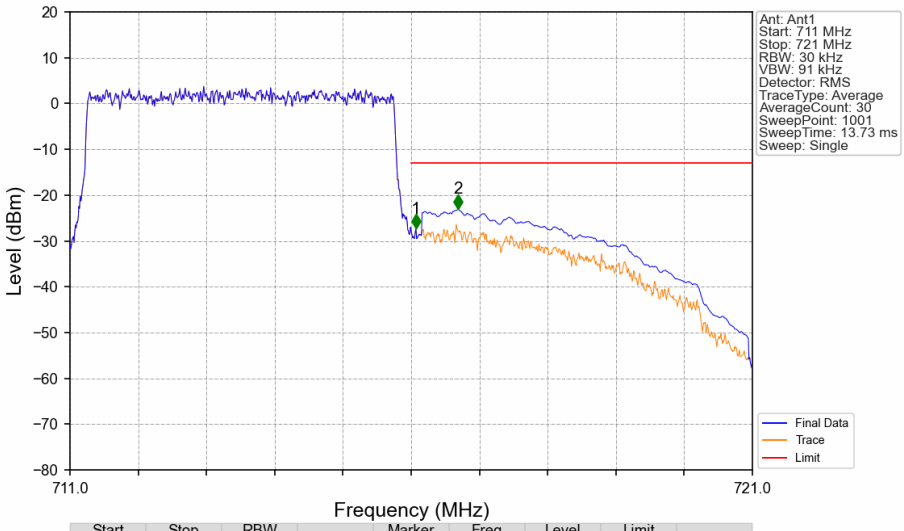
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

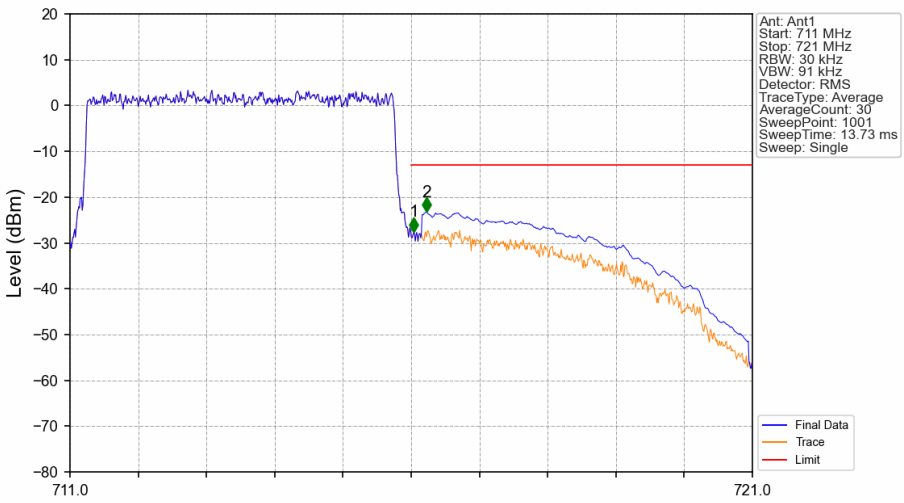


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



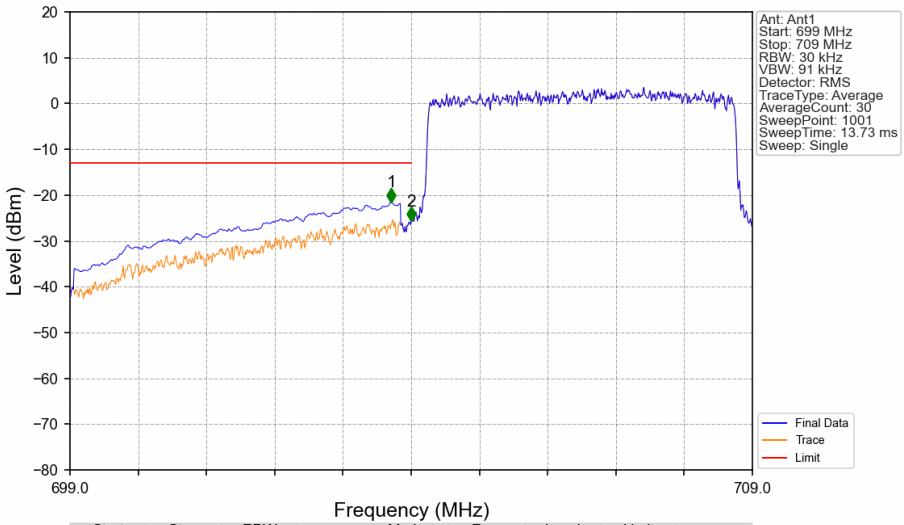
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.070	-27.35	-13	Pass
716.1	721	0.1	CHP	2	716.690	-22.95	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



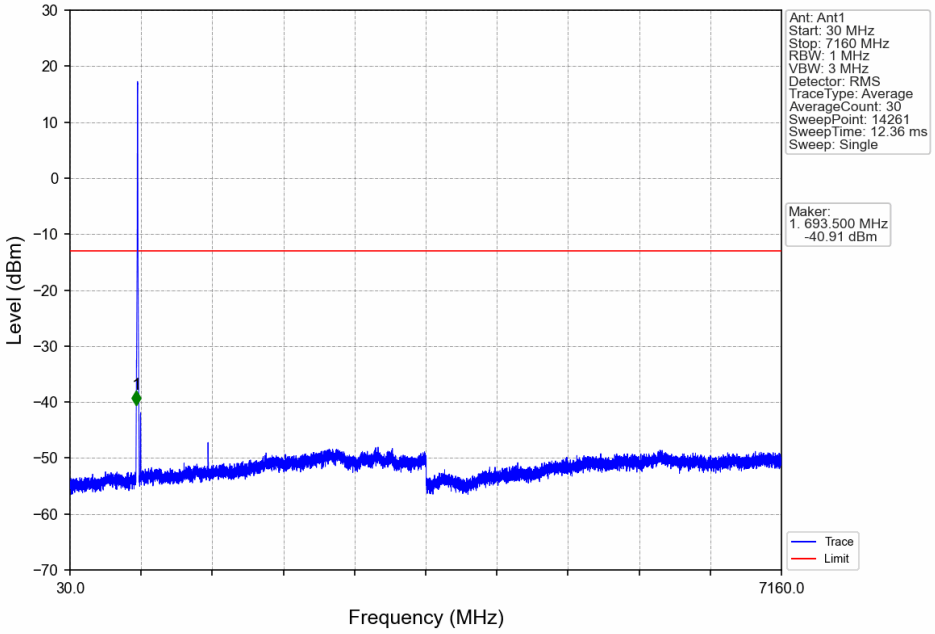
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.040	-27.54	-13	Pass
716.1	721	0.1	CHP	2	716.230	-23.24	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

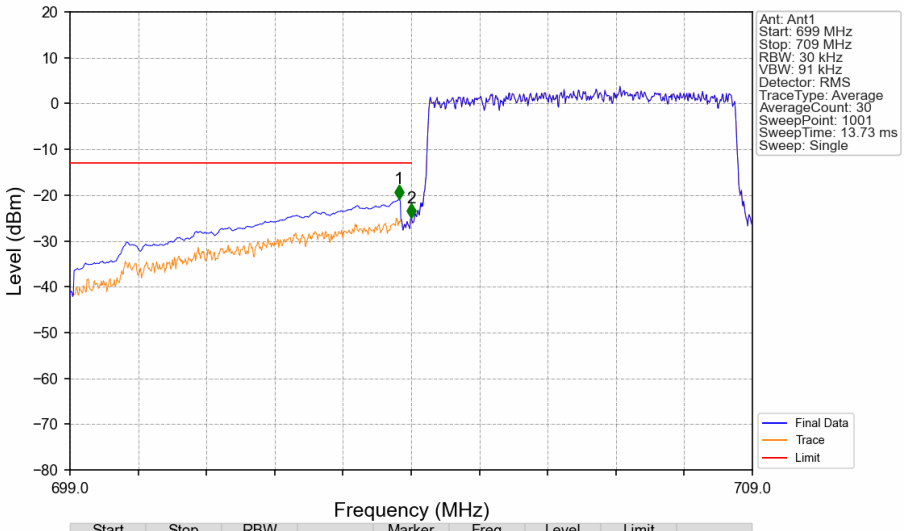


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.710	-21.53	-13	Pass
703.9	704	0.03	/	2	704.000	-25.64	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

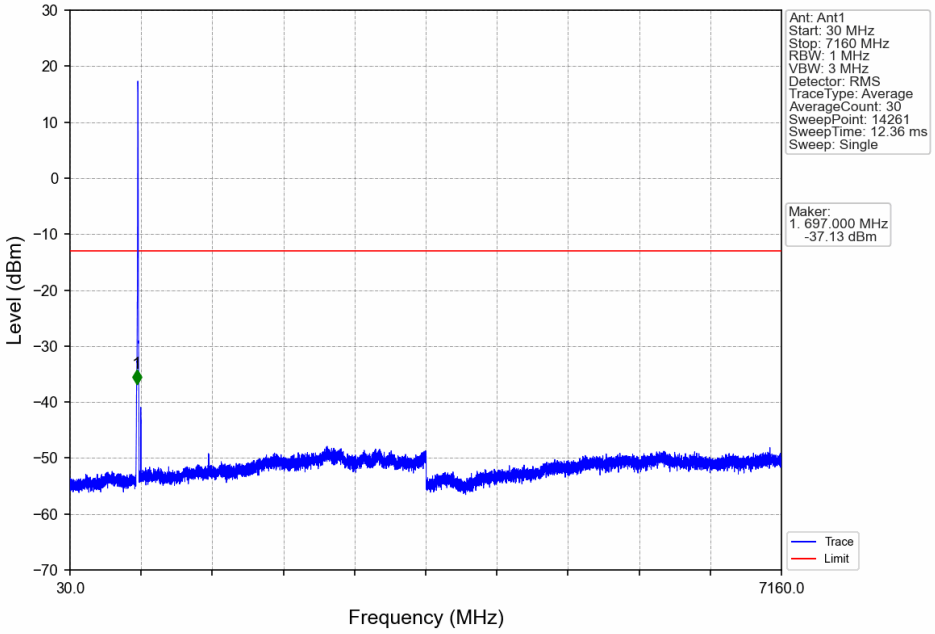


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

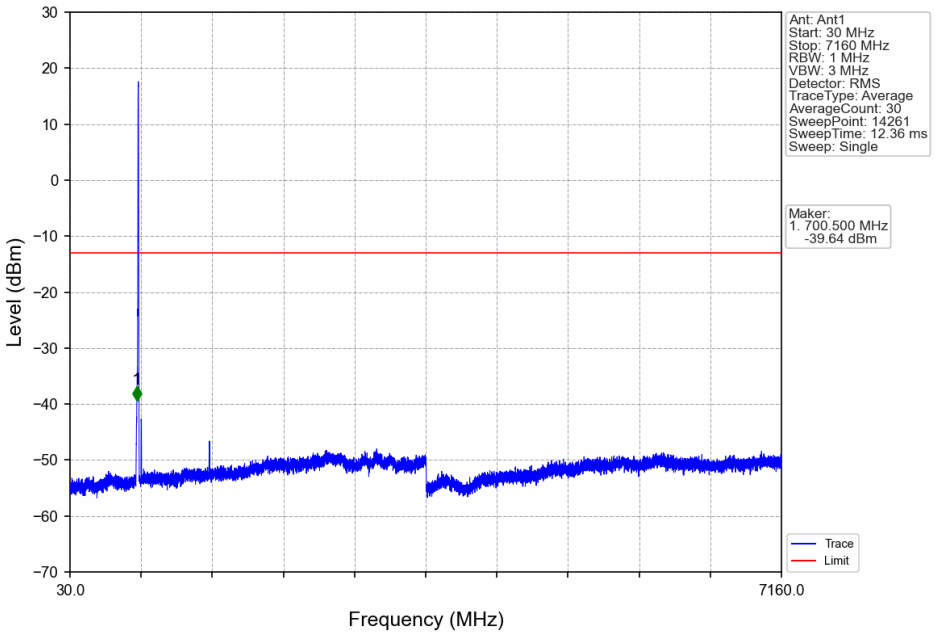


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.820	-20.85	-13	Pass
703.9	704	0.03	/	2	704.000	-24.92	-13	Pass
704	709	0.03	/	/	/	/	/	/

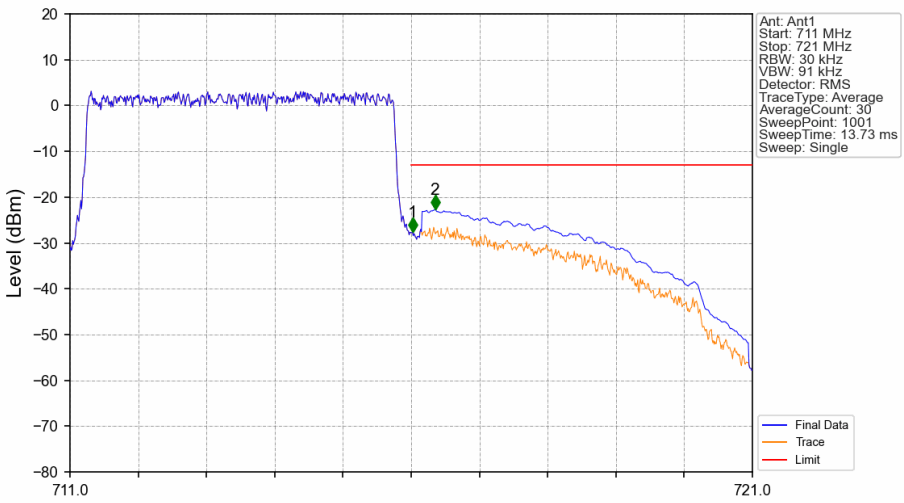
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

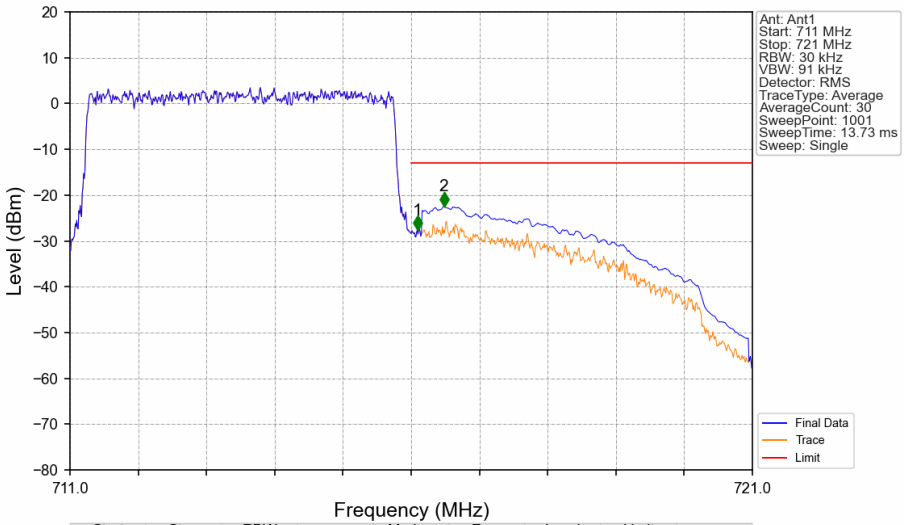


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-27.69	-13	Pass
716.1	721	0.1	CHP	2	716.350	-22.74	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.090	-27.61	-13	Pass
716.1	721	0.1	CHP	2	716.480	-22.44	-13	Pass

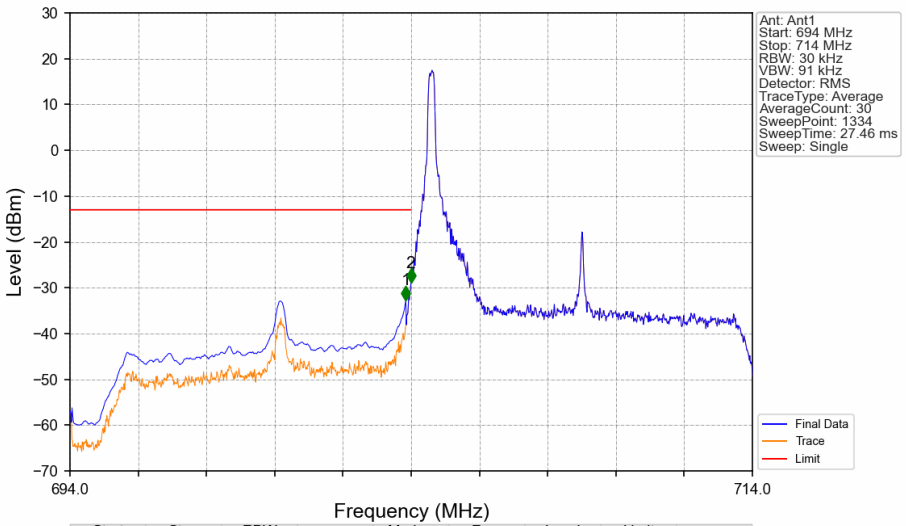
6.2 B17_10MHz

6.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	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	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	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

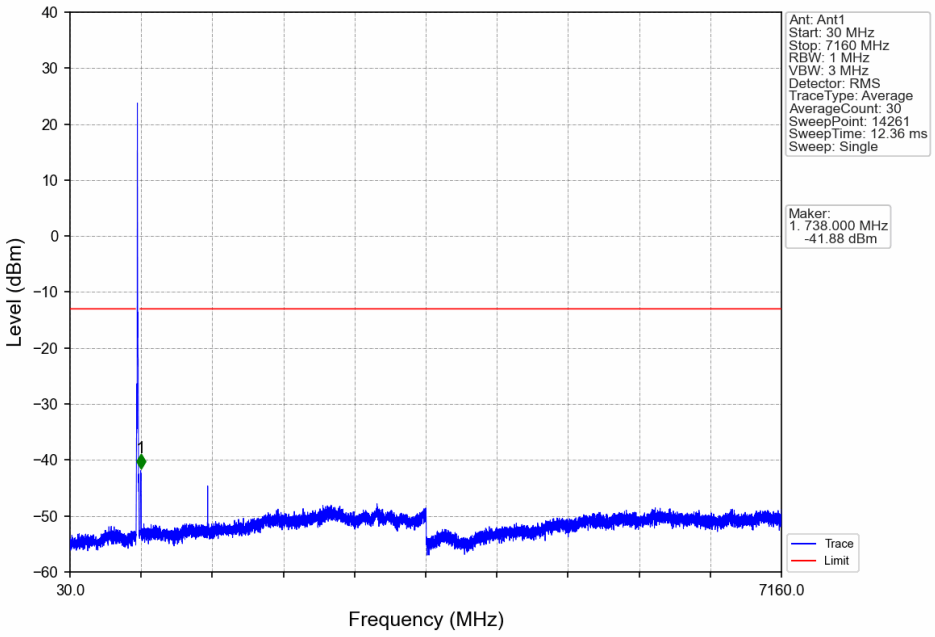
6.2.2 Test Graph

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

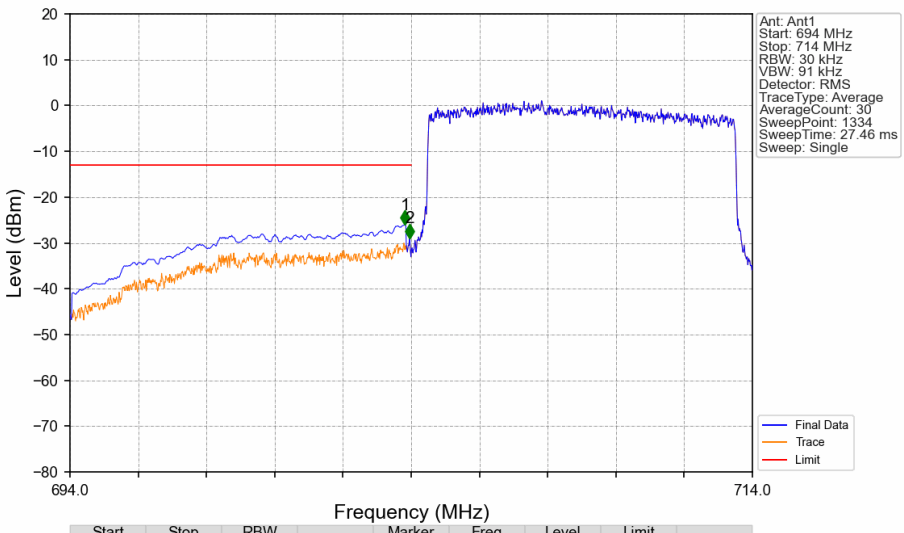


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-32.72	-13	Pass
703.9	704	0.03	/	2	703.992	-28.88	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

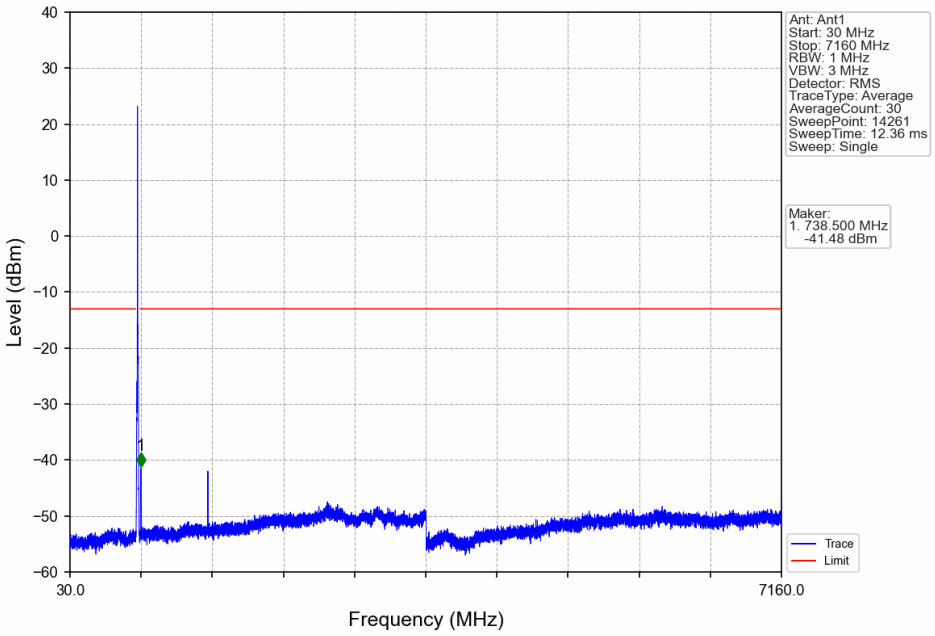


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

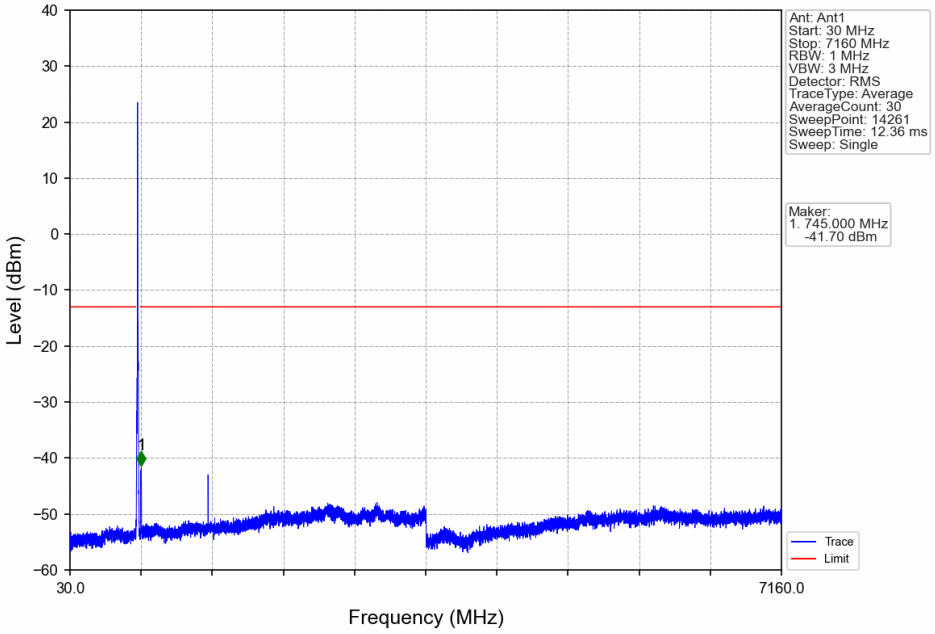


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.812	-26.01	-13	Pass
703.9	704	0.03	/	2	703.947	-28.95	-13	Pass
704	714	0.03	/	/	/	/	/	/

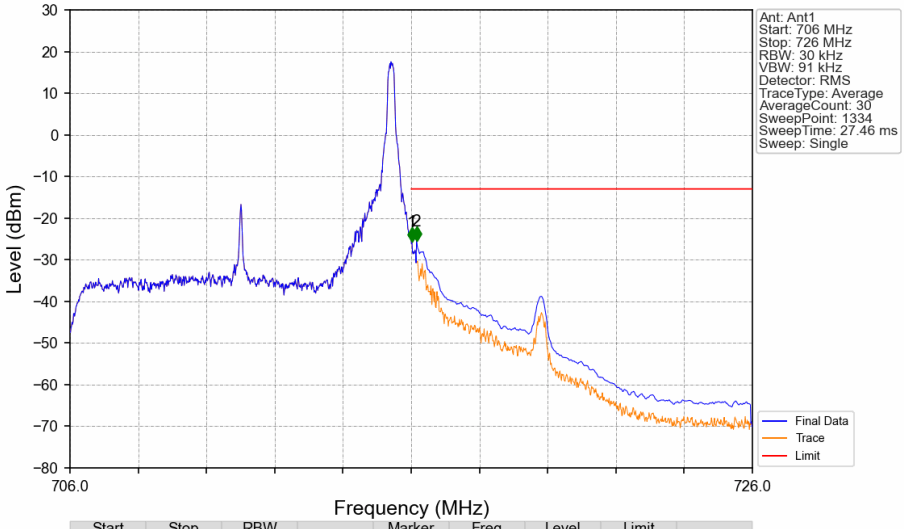
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

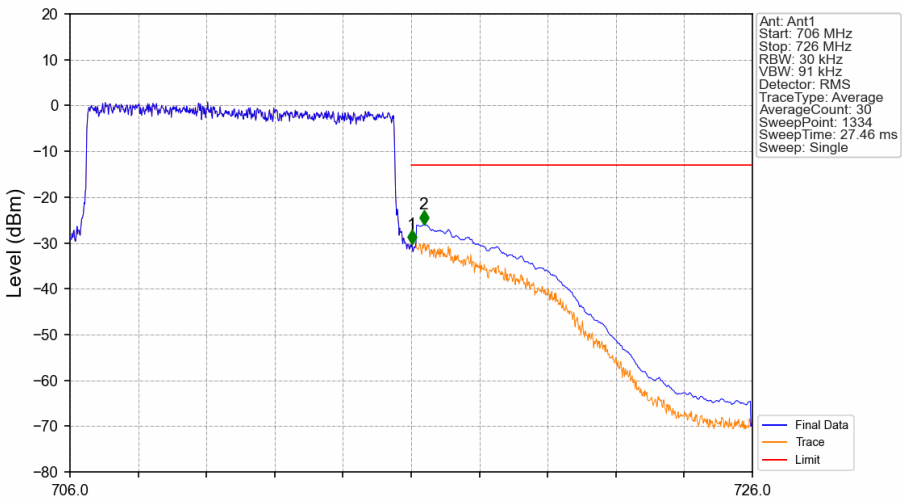


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



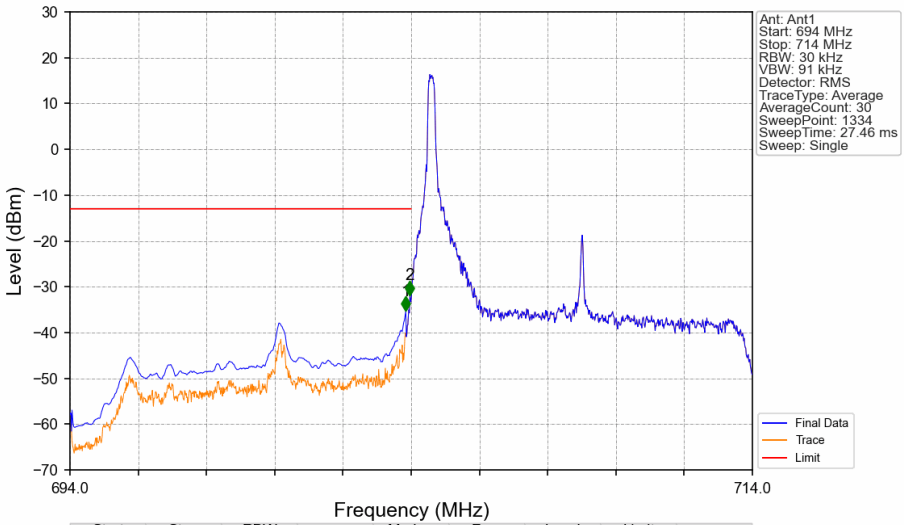
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-25.77	-13	Pass
716.1	726	0.1	CHP	2	716.158	-25.52	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



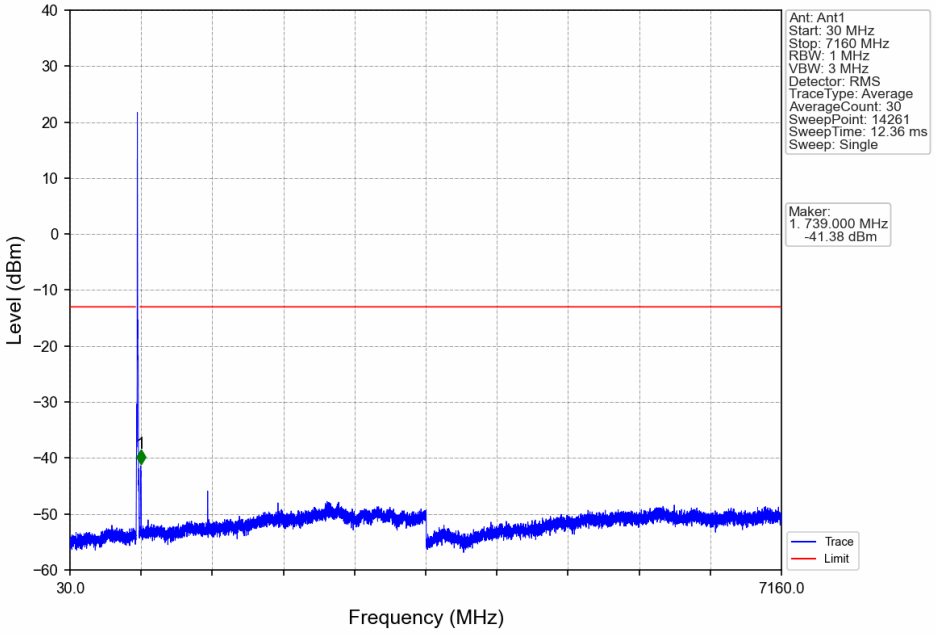
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-30.30	-13	Pass
716.1	726	0.1	CHP	2	716.368	-25.97	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

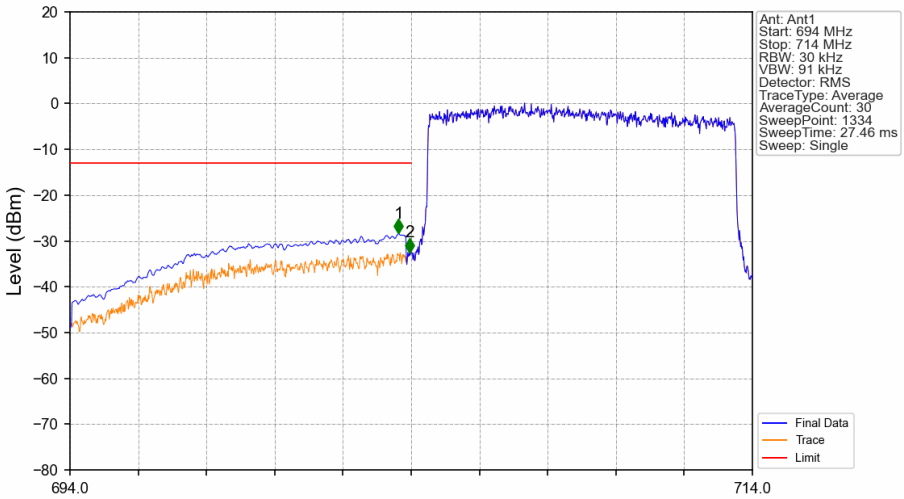


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.28	-13	Pass
703.9	704	0.03	/	2	703.962	-31.83	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

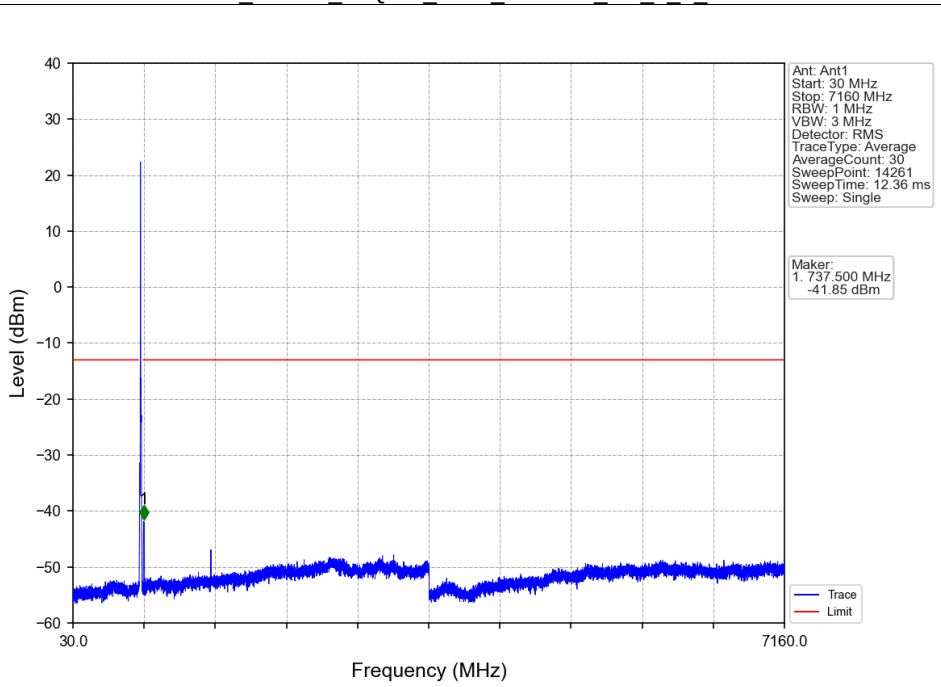


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

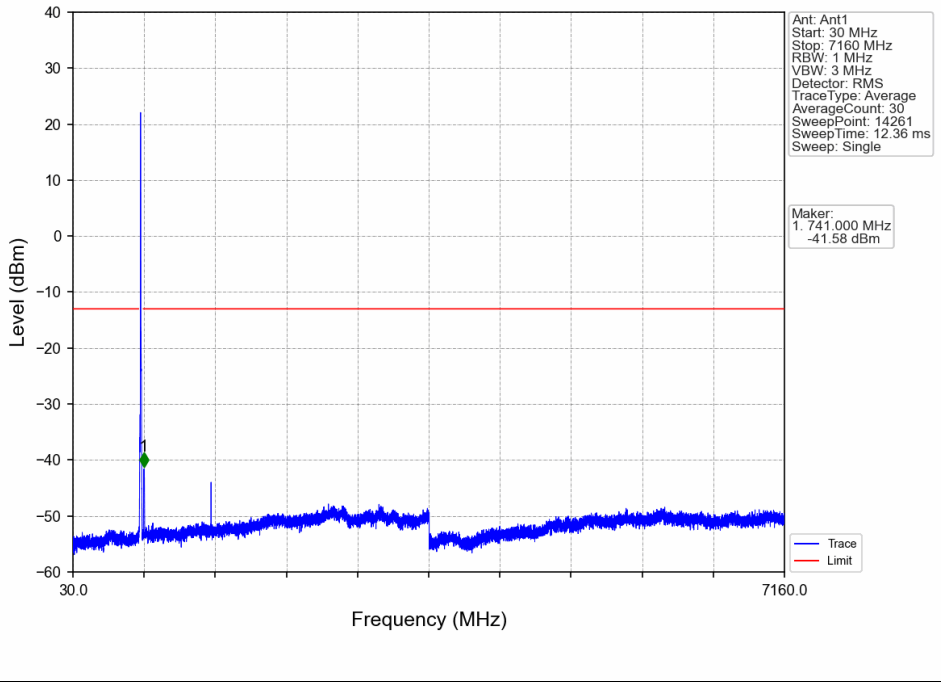


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.632	-28.36	-13	Pass
703.9	704	0.03	/	2	703.947	-32.47	-13	Pass
704	714	0.03	/	/	/	/	/	/

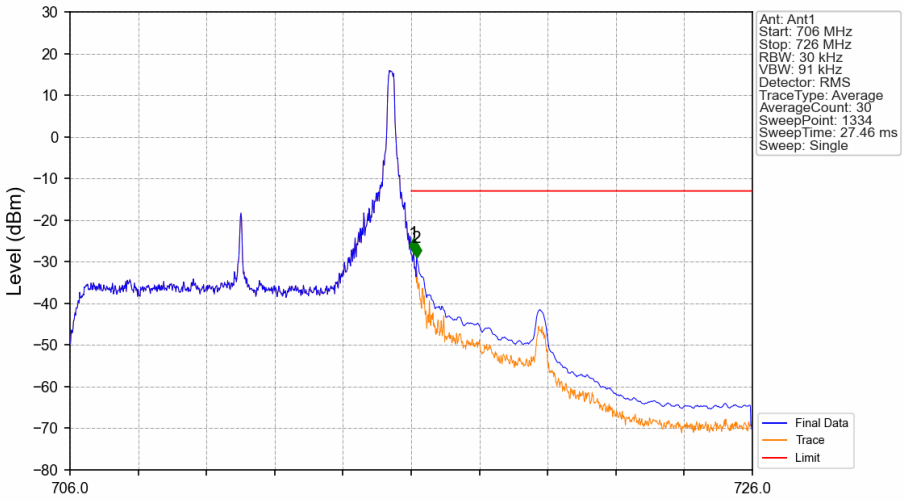
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

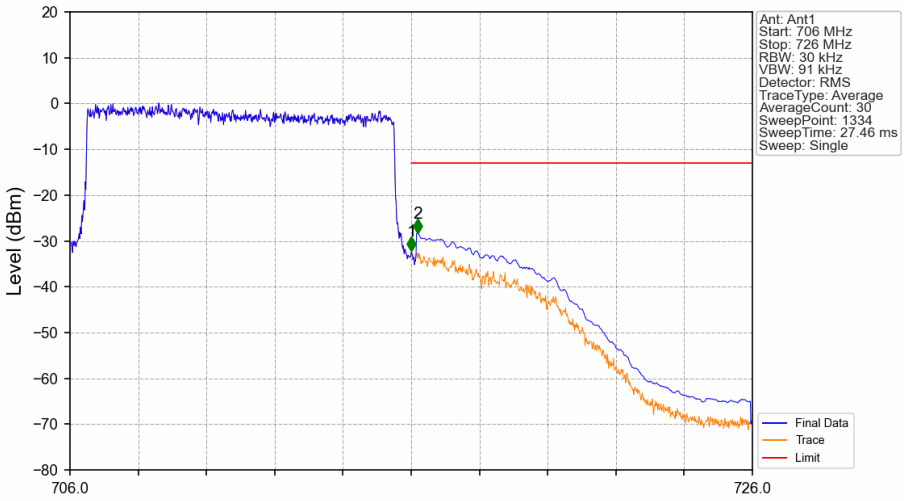


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.068	-27.79	-13	Pass
716.1	726	0.1	CHP	2	716.158	-28.99	-13	Pass

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-32.29	-13	Pass
716.1	726	0.1	CHP	2	716.188	-28.30	-13	Pass