1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

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	23.59	-1.18	20.26	<=34.77	Pass
			13	23.83	-1.18	20.50	<=34.77	Pass
			24	23.64	-1.18	20.31	<=34.77	Pass
		12	0	22.36	-1.18	19.03	<=34.77	Pass
			6	22.55	-1.18	19.22	<=34.77	Pass
			13	22.40	-1.18	19.07	<=34.77	Pass
		25	0	22.37	-1.18	19.04	<=34.77	Pass
	710	1	0	23.68	-1.18	20.35	<=34.77	Pass
			13	23.59	-1.18	20.26	<=34.77	Pass
			24	23.57	-1.18	20.24	<=34.77	Pass
		12	0	22.59	-1.18	19.26	<=34.77	Pass
			6	22.66	-1.18	19.33	<=34.77	Pass
			13	22.48	-1.18	19.15	<=34.77	Pass
		25	0	22.53	-1.18	19.20	<=34.77	Pass
	713.5	1	0	23.55	-1.18	20.22	<=34.77	Pass
			13	23.80	-1.18	20.47	<=34.77	Pass
			24	23.75	-1.18	20.42	<=34.77	Pass
		12	0	22.63	-1.18	19.30	<=34.77	Pass
			6	22.63	-1.18	19.30	<=34.77	Pass
			13	22.59	-1.18	19.26	<=34.77	Pass
		25	0	22.60	-1.18	19.27	<=34.77	Pass
16QAM	706.5	1	0	22.46	-1.18	19.13	<=34.77	Pass
			13	22.65	-1.18	19.32	<=34.77	Pass
			24	22.54	-1.18	19.21	<=34.77	Pass
		12	0	21.24	-1.18	17.91	<=34.77	Pass
			6	21.40	-1.18	18.07	<=34.77	Pass
			13	21.32	-1.18	17.99	<=34.77	Pass
		25	0	21.33	-1.18	18.00	<=34.77	Pass
	710	1	0	22.62	-1.18	19.29	<=34.77	Pass
			13	22.84	-1.18	19.51	<=34.77	Pass
			24	22.89	-1.18	19.56	<=34.77	Pass
		12	0	21.58	-1.18	18.25	<=34.77	Pass
			6	21.68	-1.18	18.35	<=34.77	Pass
			13	21.57	-1.18	18.24	<=34.77	Pass
		25	0	21.59	-1.18	18.26	<=34.77	Pass
	713.5	1	0	22.41	-1.18	19.08	<=34.77	Pass
			13	22.46	-1.18	19.13	<=34.77	Pass
			24	22.43	-1.18	19.10	<=34.77	Pass
		12	0	21.66	-1.18	18.33	<=34.77	Pass
			6	21.61	-1.18	18.28	<=34.77	Pass
			13	21.45	-1.18	18.12	<=34.77	Pass
		25	0	21.62	-1.18	18.29	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B17_10MHz_ERP

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	23.75	-1.18	20.42	<=34.77	Pass
			25	23.72	-1.18	20.39	<=34.77	Pass
			49	23.82	-1.18	20.49	<=34.77	Pass
		25	0	22.41	-1.18	19.08	<=34.77	Pass
			13	22.57	-1.18	19.24	<=34.77	Pass
			25	22.42	-1.18	19.09	<=34.77	Pass
		50	0	22.48	-1.18	19.15	<=34.77	Pass
	710	1	0	23.73	-1.18	20.40	<=34.77	Pass
			25	23.64	-1.18	20.31	<=34.77	Pass
			49	23.86	-1.18	20.53	<=34.77	Pass
		25	0	22.53	-1.18	19.20	<=34.77	Pass
			13	22.60	-1.18	19.27	<=34.77	Pass
			25	22.57	-1.18	19.24	<=34.77	Pass
		50	0	22.60	-1.18	19.27	<=34.77	Pass
	711	1	0	23.78	-1.18	20.45	<=34.77	Pass
			25	23.64	-1.18	20.31	<=34.77	Pass
			49	23.87	-1.18	20.54	<=34.77	Pass
		25	0	22.72	-1.18	19.39	<=34.77	Pass
			13	22.68	-1.18	19.35	<=34.77	Pass
			25	22.65	-1.18	19.32	<=34.77	Pass
		50	0	22.69	-1.18	19.36	<=34.77	Pass
16QAM	709	1	0	22.46	-1.18	19.13	<=34.77	Pass
			25	22.57	-1.18	19.24	<=34.77	Pass
			49	22.61	-1.18	19.28	<=34.77	Pass
		25	0	21.39	-1.18	18.06	<=34.77	Pass
			13	21.61	-1.18	18.28	<=34.77	Pass
			25	21.55	-1.18	18.22	<=34.77	Pass
		50	0	21.39	-1.18	18.06	<=34.77	Pass
	710	1	0	22.61	-1.18	19.28	<=34.77	Pass
			25	22.82	-1.18	19.49	<=34.77	Pass
			49	22.73	-1.18	19.40	<=34.77	Pass
		25	0	21.51	-1.18	18.18	<=34.77	Pass
			13	21.66	-1.18	18.33	<=34.77	Pass
			25	21.62	-1.18	18.29	<=34.77	Pass
		50	0	21.56	-1.18	18.23	<=34.77	Pass
	711	1	0	22.59	-1.18	19.26	<=34.77	Pass
			25	22.83	-1.18	19.50	<=34.77	Pass
			49	22.75	-1.18	19.42	<=34.77	Pass
		25	0	21.68	-1.18	18.35	<=34.77	Pass
			13	21.71	-1.18	18.38	<=34.77	Pass
			25	21.66	-1.18	18.33	<=34.77	Pass
		50	0	21.65	-1.18	18.32	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	706.5	25	0	20	3.27	2.890	0.0041	-2.5 to 2.5	Pass
					3.85	-2.432	-0.0034	-2.5 to 2.5	Pass
					4.43	-3.204	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-5.765	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-4.849	-0.0069	-2.5 to 2.5	Pass
	710	25	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.629	0.0009	-2.5 to 2.5	Pass
					4.43	-8.698	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-2.947	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-9.384	-0.0132	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.788	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.303	-0.0032	-2.5 to 2.5	Pass
					4.43	-4.363	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-3.633	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-8.225	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-4.377	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-3.877	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-3.448	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-1.302	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-0.815	-0.0011	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	1.874	0.0027	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0049	-2.5 to 2.5	Pass
					4.43	-3.047	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-5.808	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-4.463	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-7.639	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0103	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-3.805	-0.0054	-2.5 to 2.5	Pass
					3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
					4.43	2.732	0.0038	-2.5 to 2.5	Pass
				-30	3.85	-2.260	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-7.095	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-9.170	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-9.584	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0033	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.388	0.0019	-2.5 to 2.5	Pass
					3.85	3.877	0.0054	-2.5 to 2.5	Pass

					4.43	-1.760	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-1.359	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0043	-2.5 to 2.5	Pass
				0	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				10	3.85	-8.297	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0074	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

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	-3.347	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-3.920	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.636	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-6.008	-0.0085	-2.5 to 2.5	Pass
					3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
					4.43	-5.951	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-2.975	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-2.933	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-5.507	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.324	-0.0103	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-6.366	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-2.661	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-7.553	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.161	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-5.293	-0.0074	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-3.819	-0.0054	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-1.802	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.849	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-3.033	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass

				30	3.85	-4.950	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
					4.43	-0.601	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.516	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-5.693	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.050	-0.0071	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0068	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-0.887	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0097	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0077	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

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

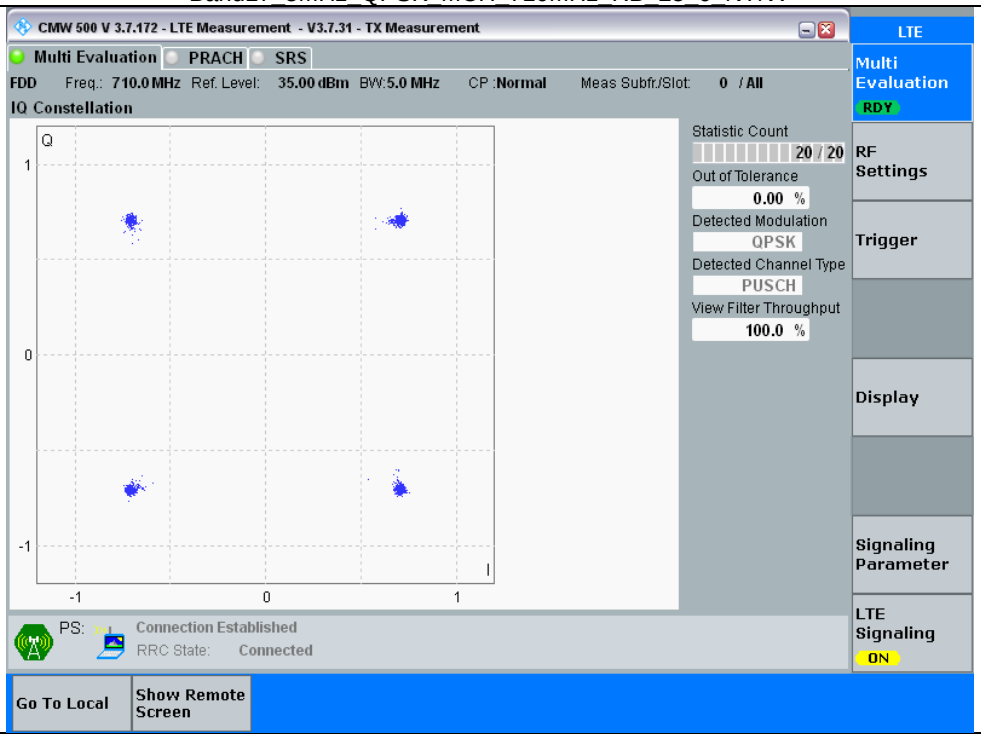
3.1.2 B17_10MHz

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

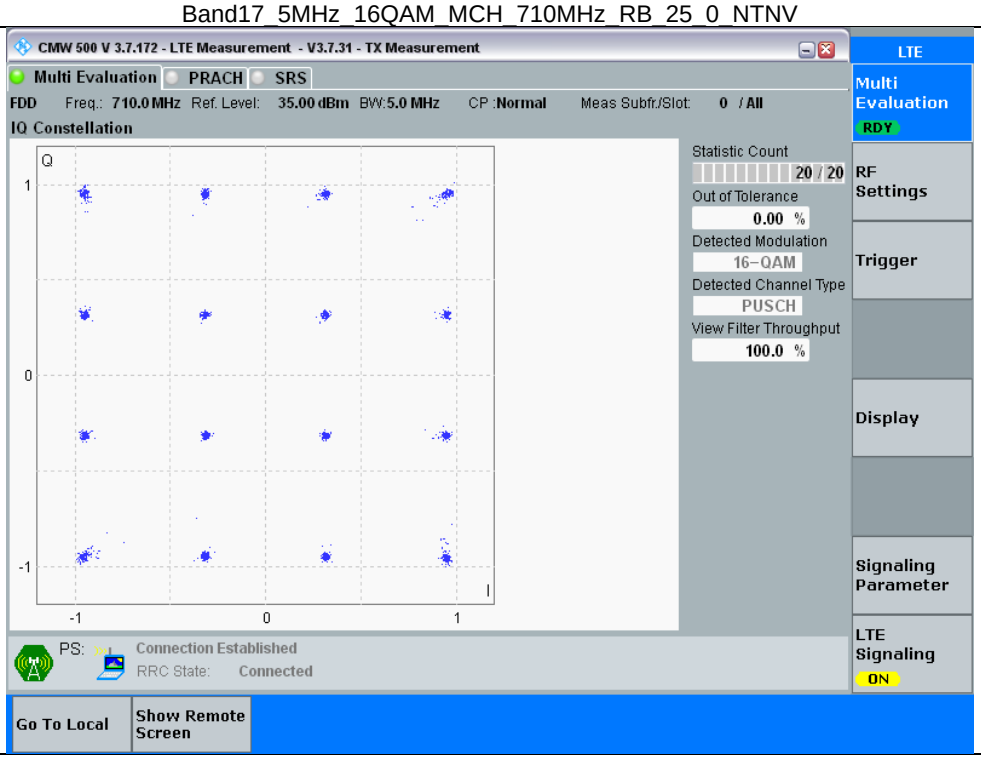
3.2 Test Graph

3.2.1 B17_5MHz

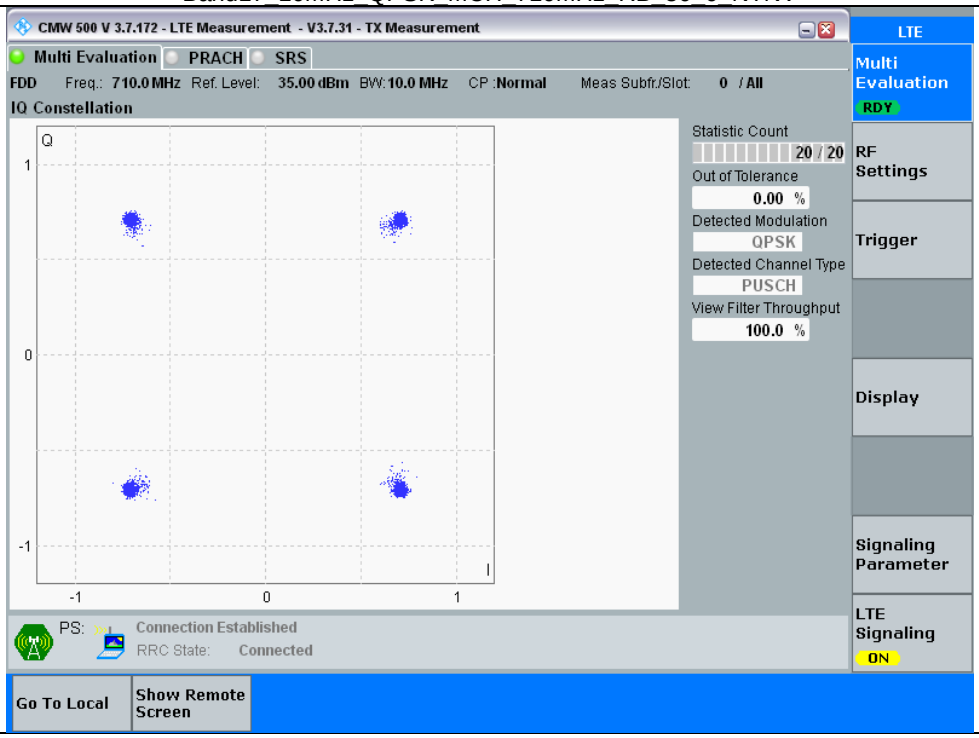
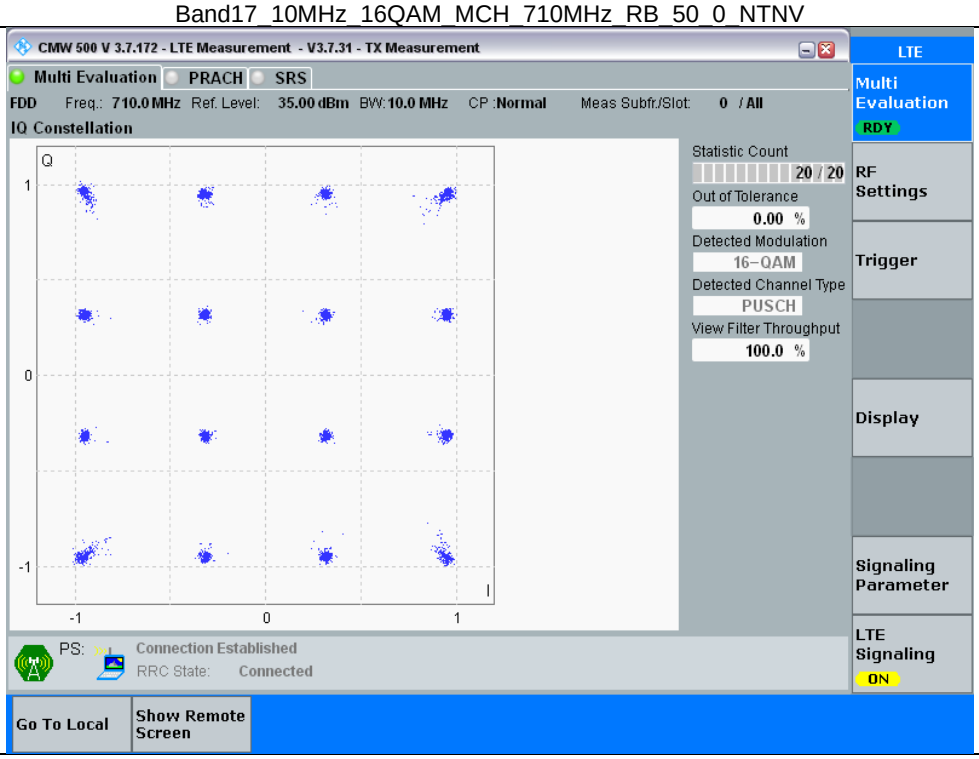
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



3.2.2 B17_10MHz

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

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	4.544	/	Pass
		710	25	0	4.549	/	Pass
		713.5	25	0	4.568	/	Pass
	16QAM	706.5	25	0	4.568	/	Pass
		710	25	0	4.577	/	Pass
		713.5	25	0	4.544	/	Pass
10	QPSK	709	50	0	9.028	/	Pass
		710	50	0	9.074	/	Pass
		711	50	0	9.063	/	Pass
	16QAM	709	50	0	9.016	/	Pass
		710	50	0	9.062	/	Pass
		711	50	0	9.076	/	Pass

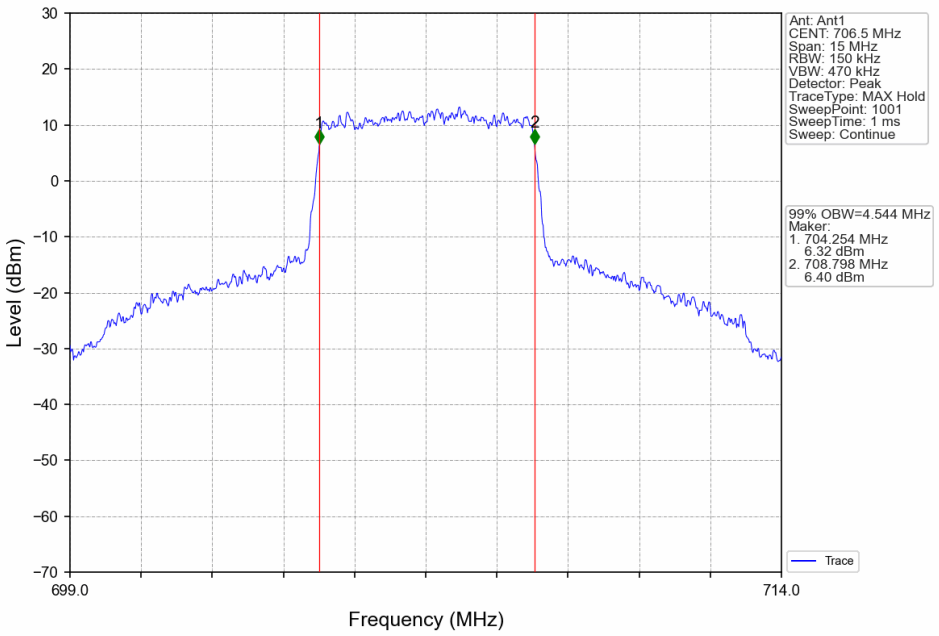
4.1.2 Band17_XDB

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.112	/	Pass
		710	25	0	5.034	/	Pass
		713.5	25	0	4.999	/	Pass
	16QAM	706.5	25	0	5.224	/	Pass
		710	25	0	5.023	/	Pass
		713.5	25	0	4.988	/	Pass
10	QPSK	709	50	0	9.838	/	Pass
		710	50	0	9.866	/	Pass
		711	50	0	9.856	/	Pass
	16QAM	709	50	0	9.889	/	Pass
		710	50	0	9.836	/	Pass
		711	50	0	9.889	/	Pass

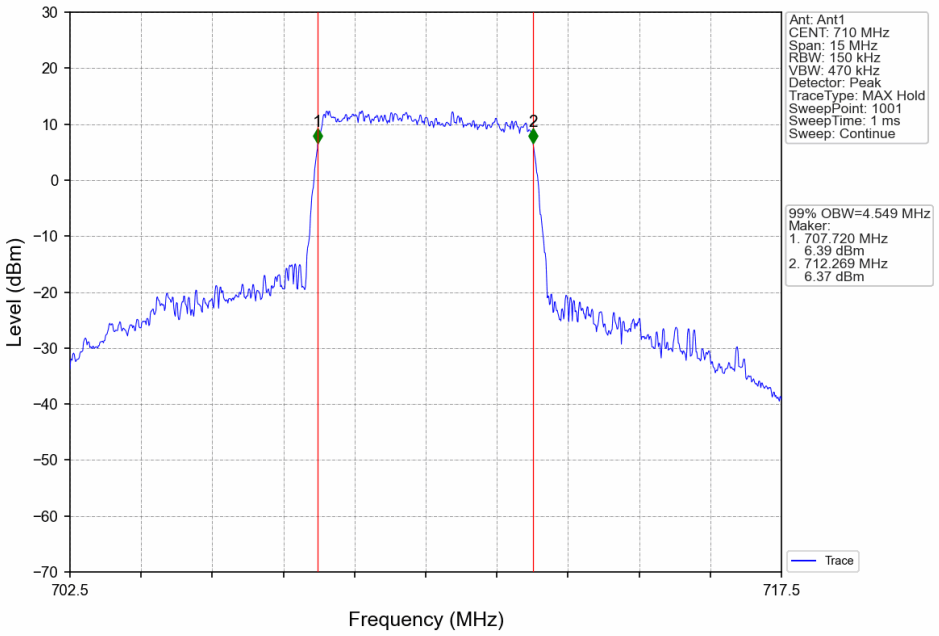
4.2 Test Graph

4.2.1 Band17_OBW

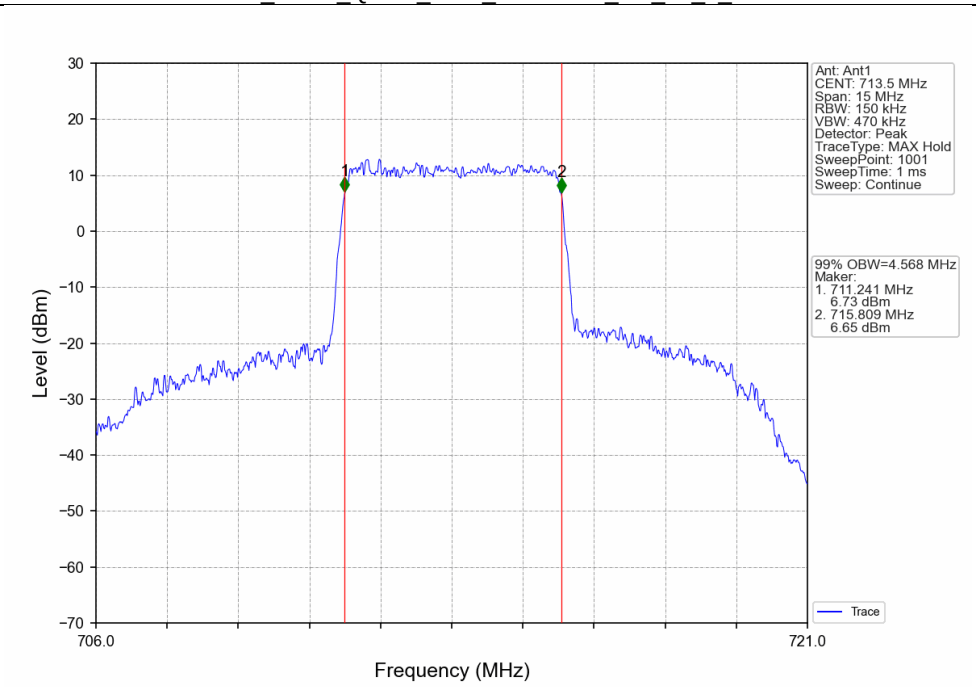
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



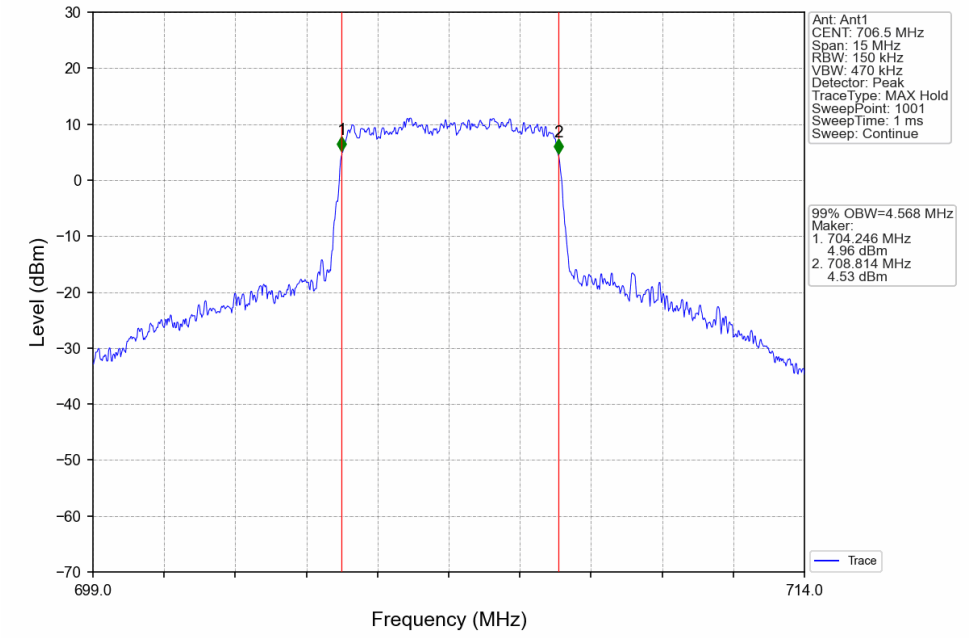
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



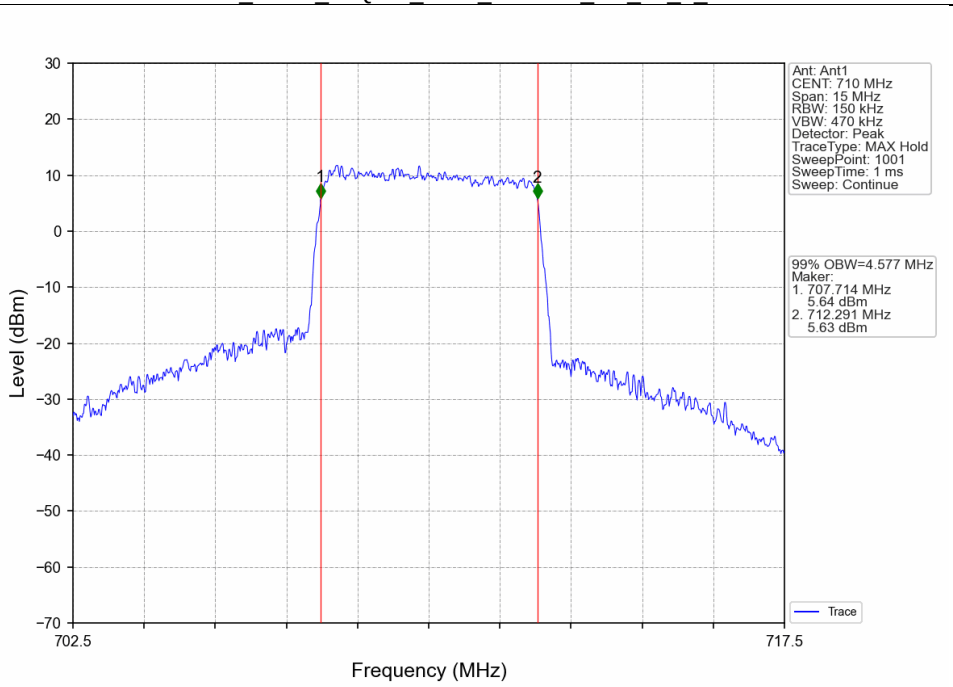
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



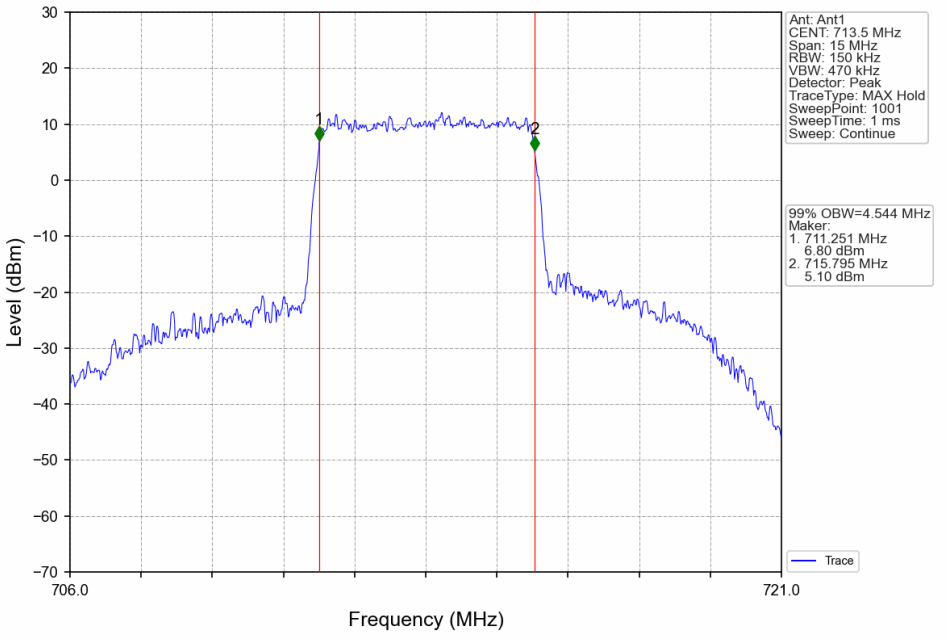
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



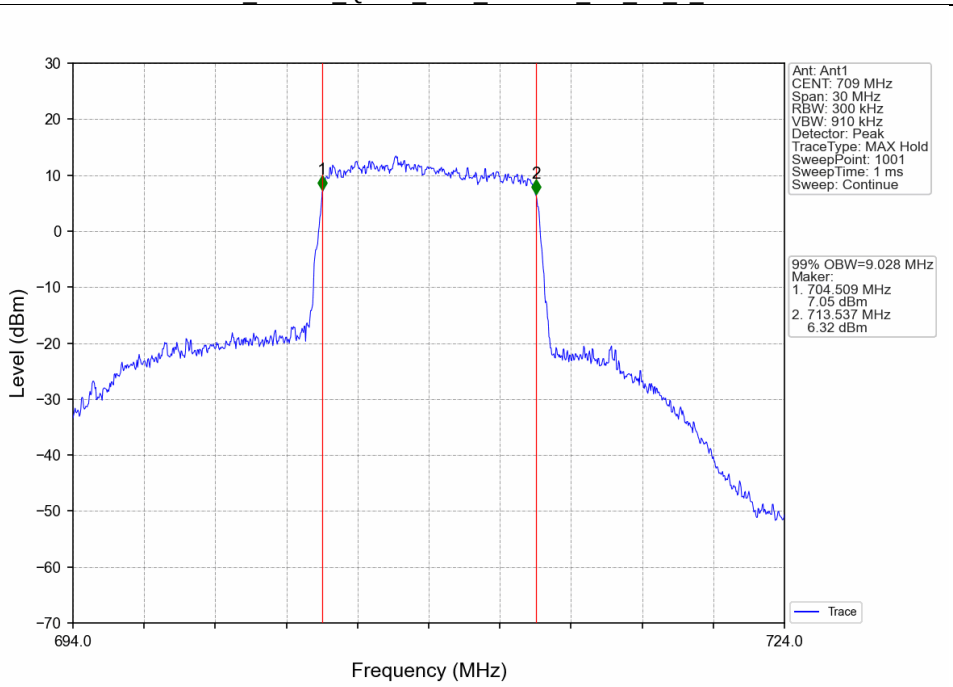
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



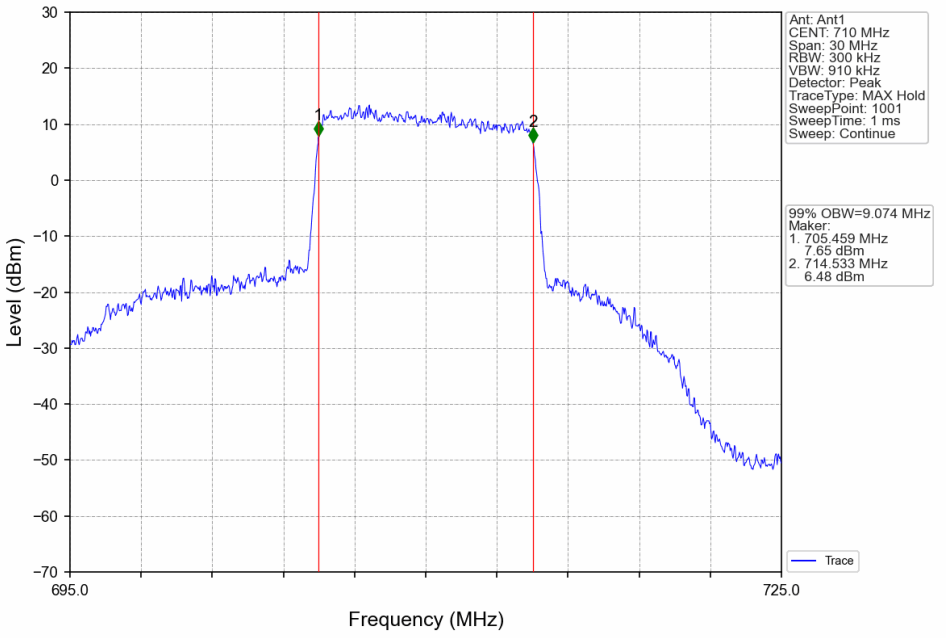
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



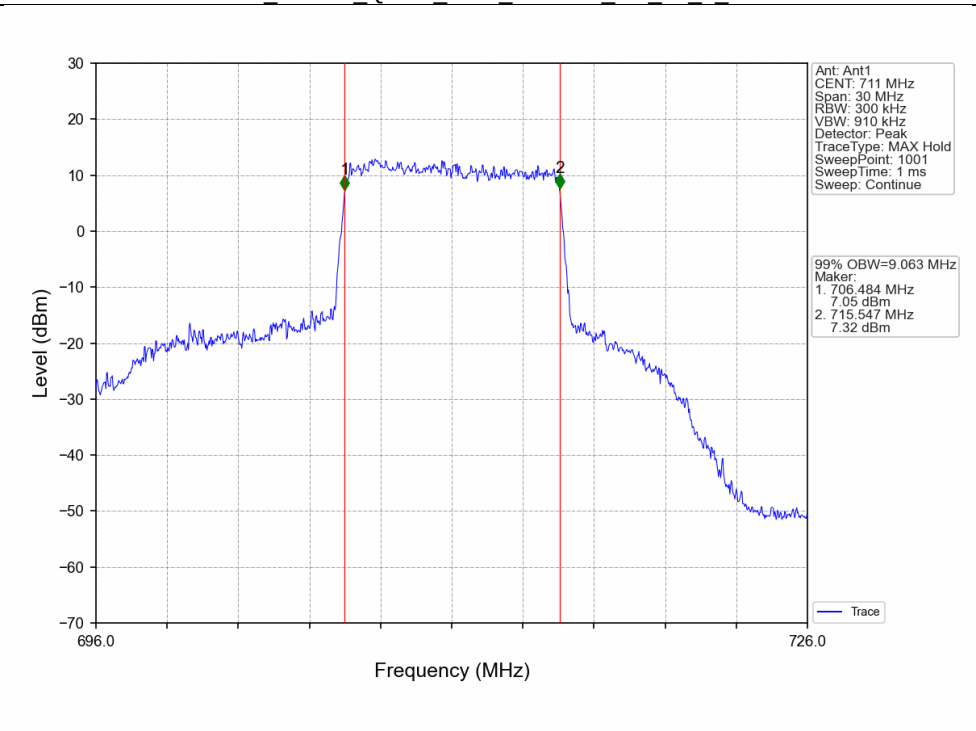
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



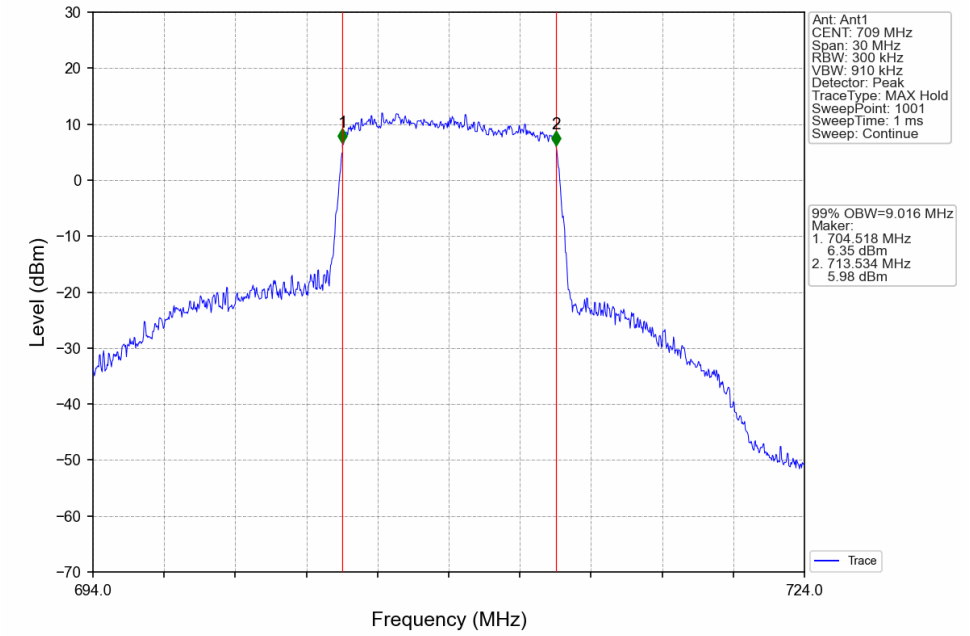
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



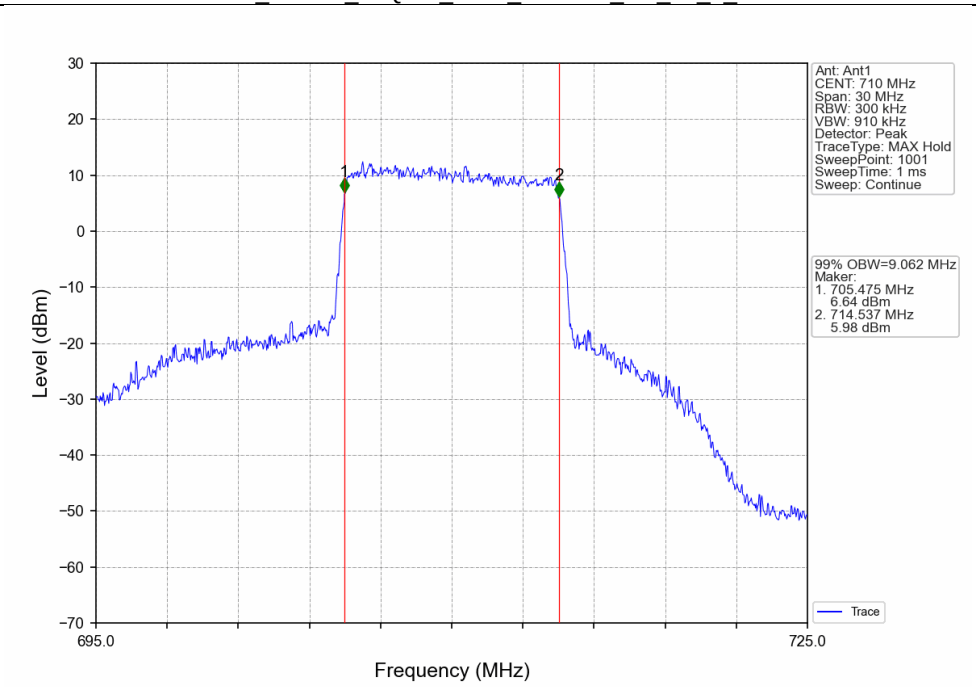
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



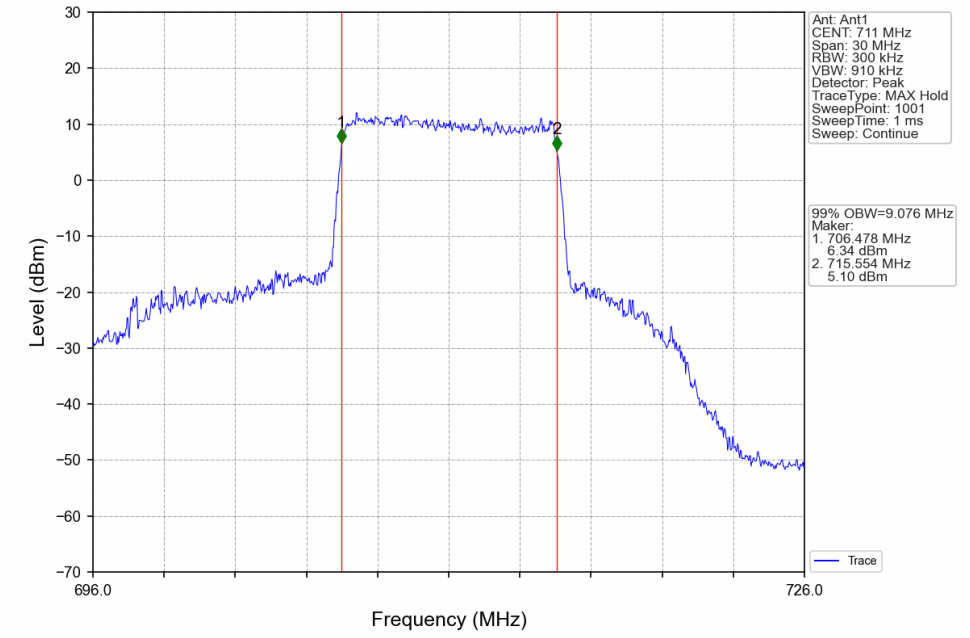
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

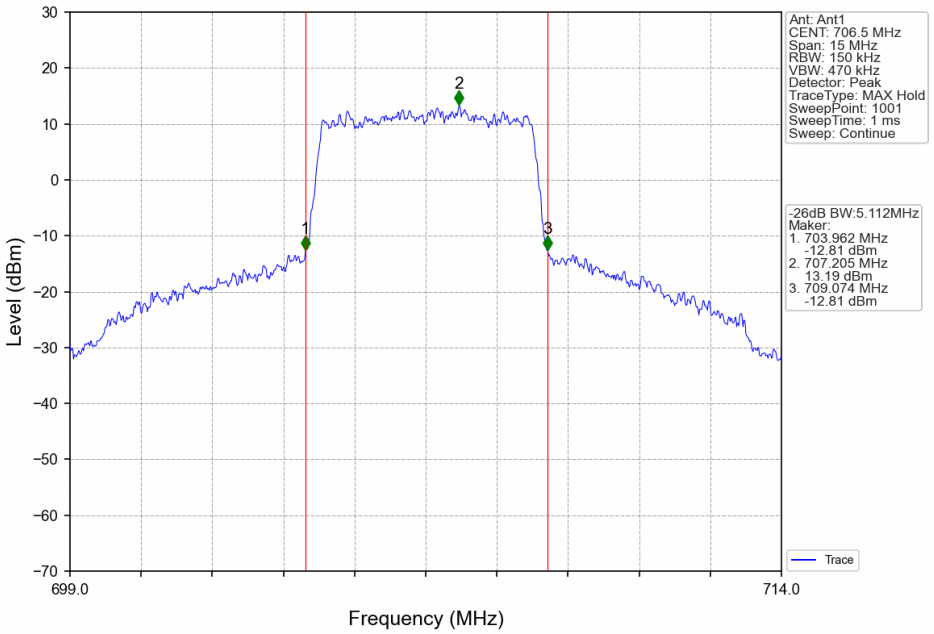


Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

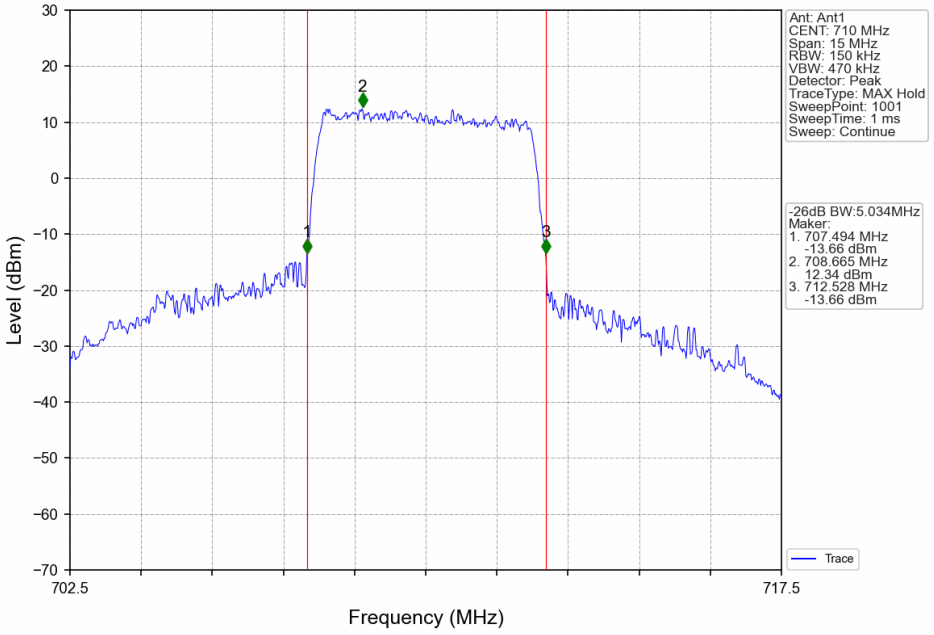


4.2.2 Band17_XDB

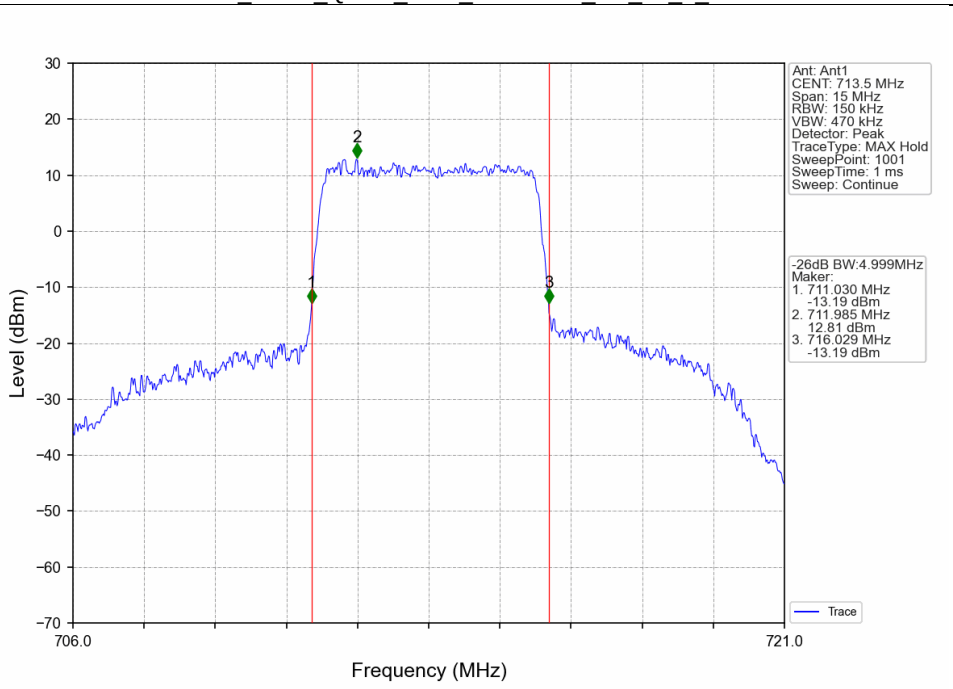
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



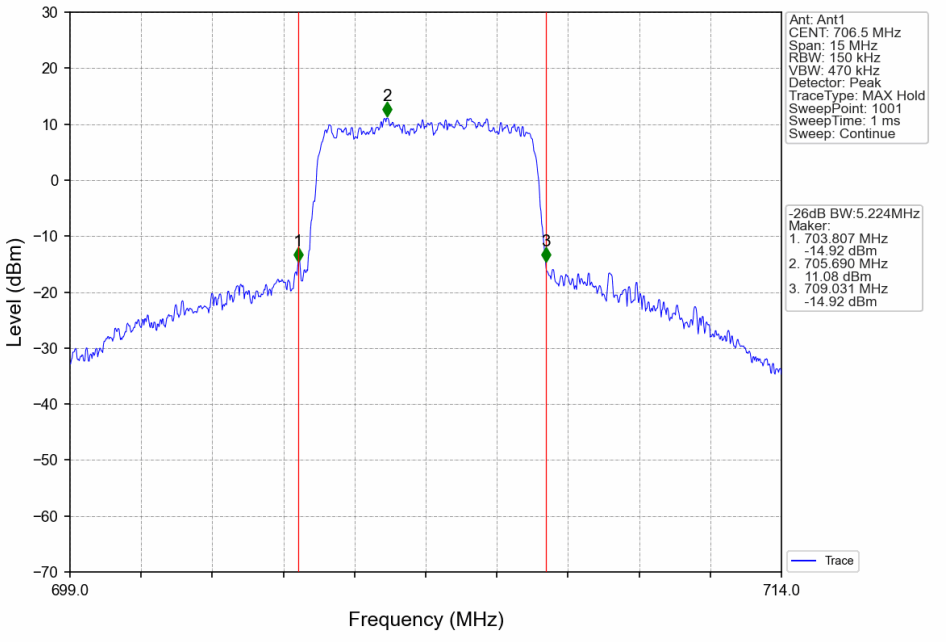
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



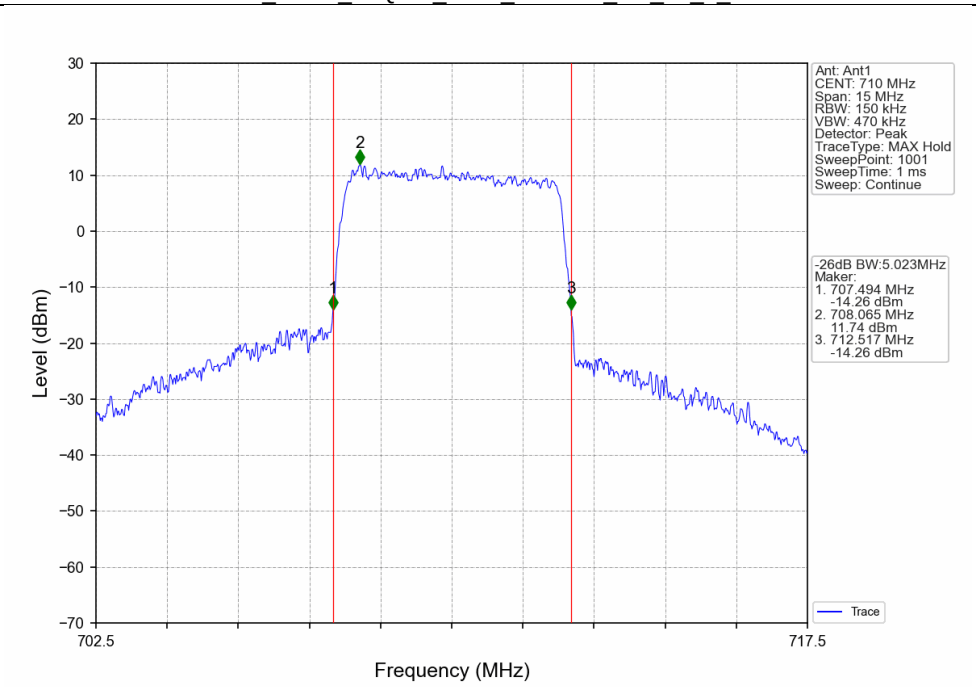
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



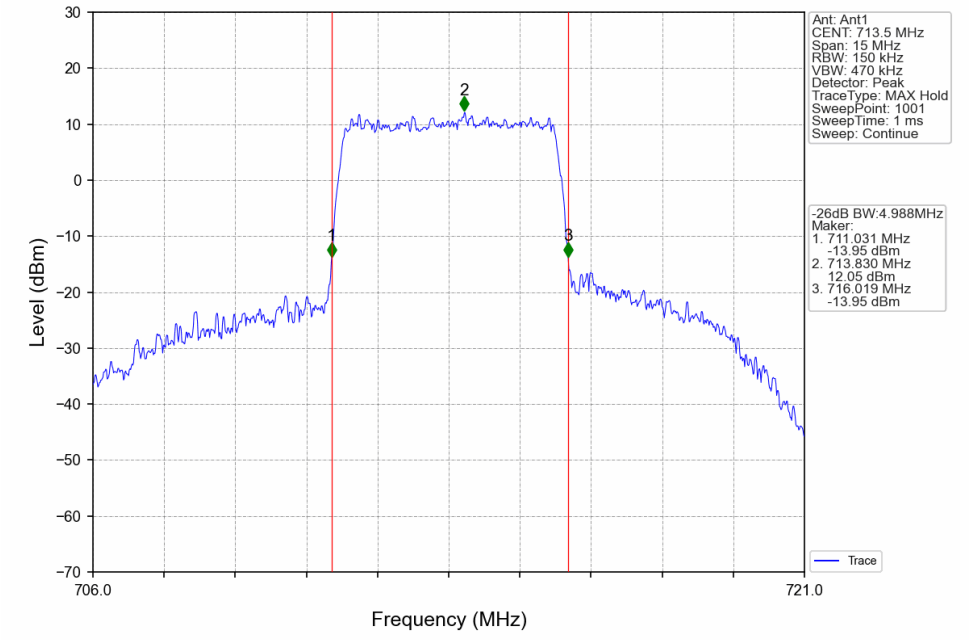
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



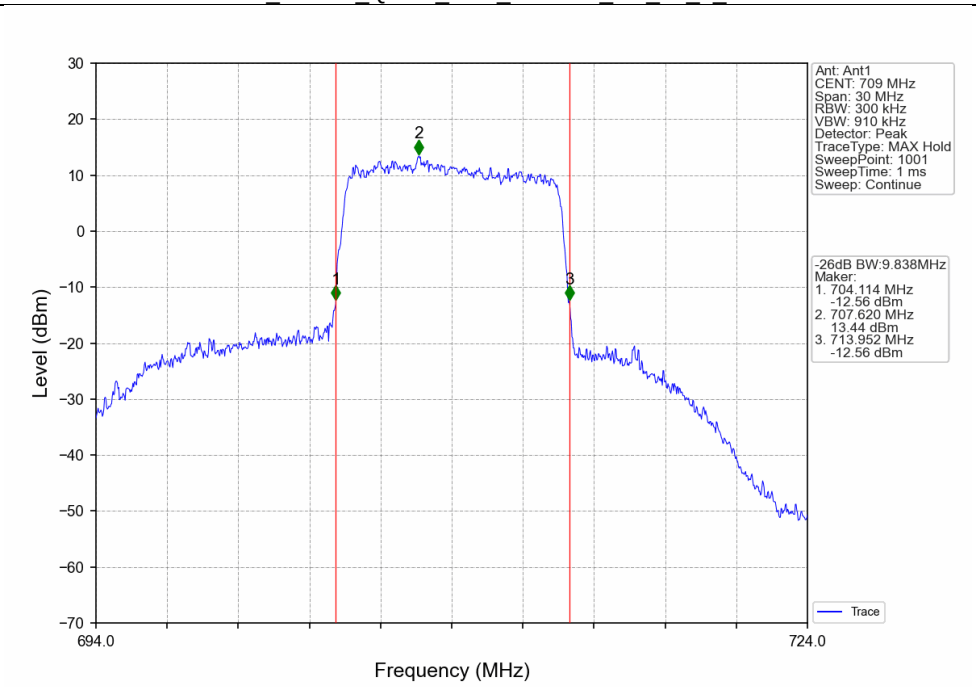
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



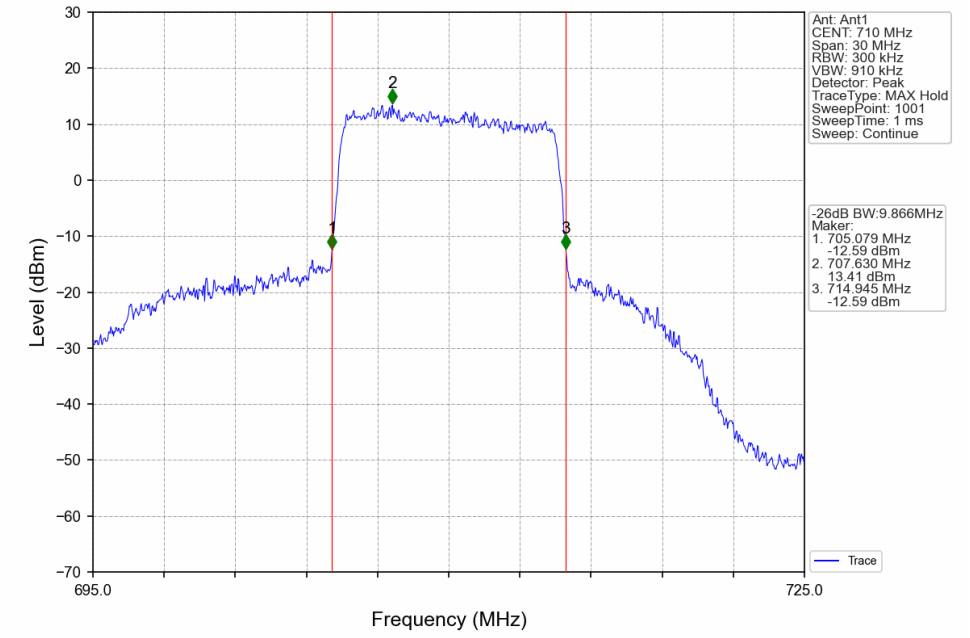
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



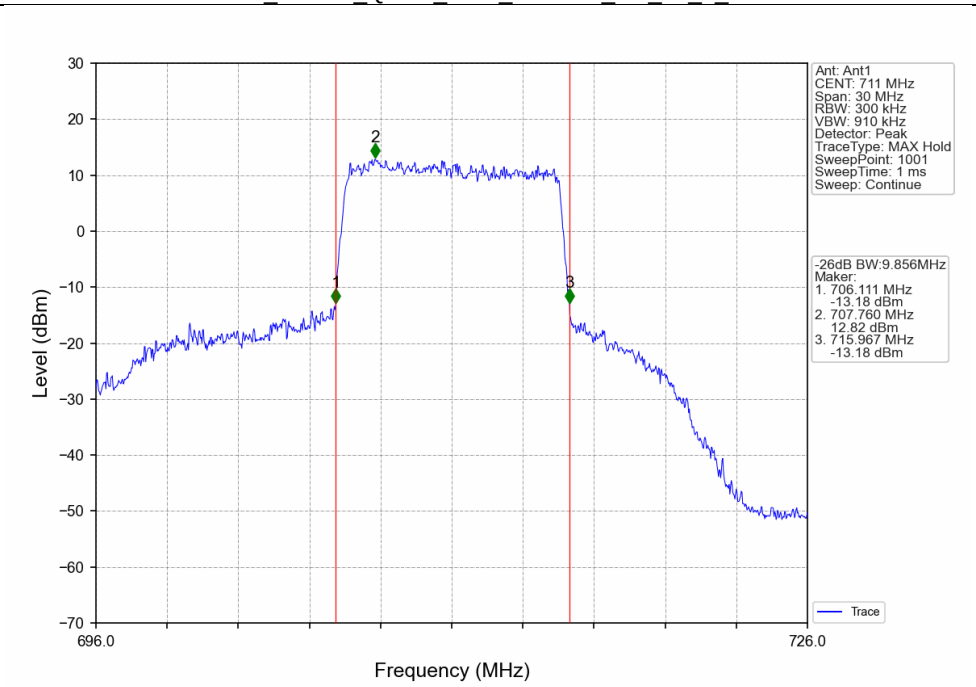
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



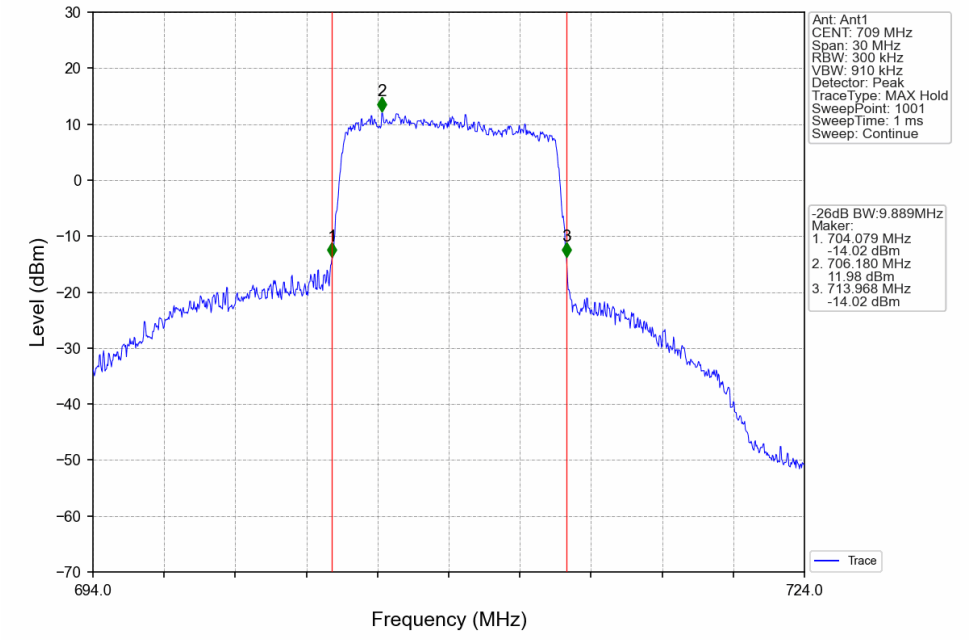
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



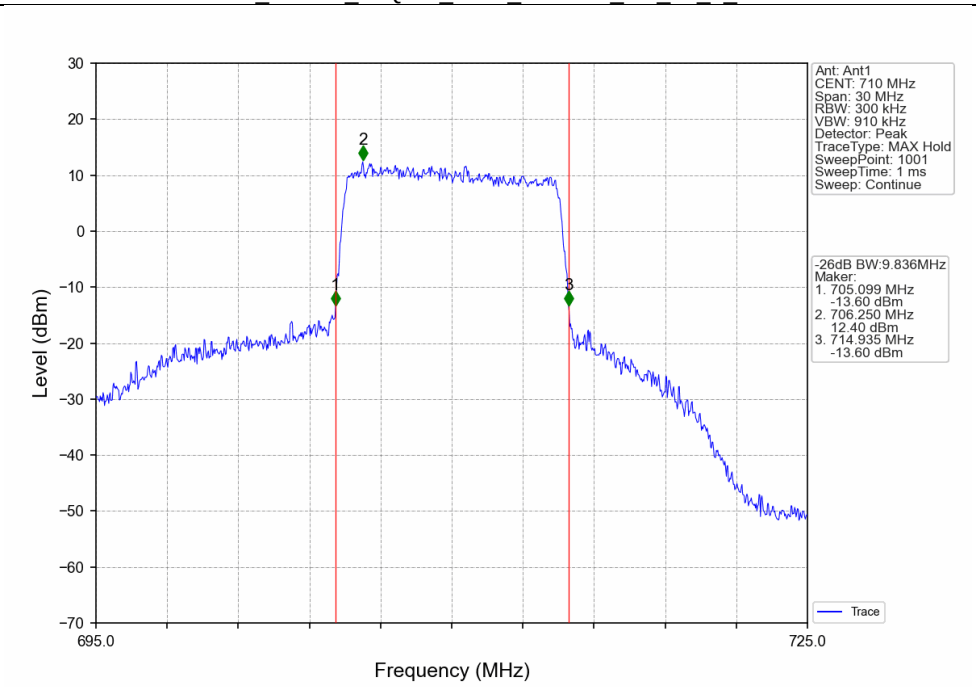
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



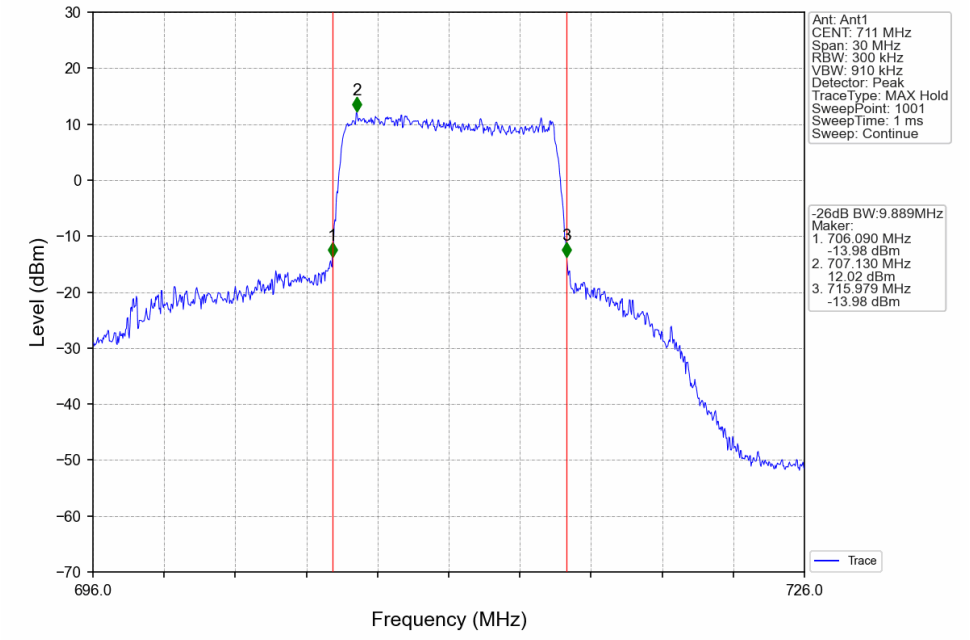
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	4.19	<=13	Pass
	710	25	0	5.15	<=13	Pass
	713.5	25	0	4.91	<=13	Pass
16QAM	706.5	25	0	4.93	<=13	Pass
	710	25	0	5.86	<=13	Pass
	713.5	25	0	5.71	<=13	Pass

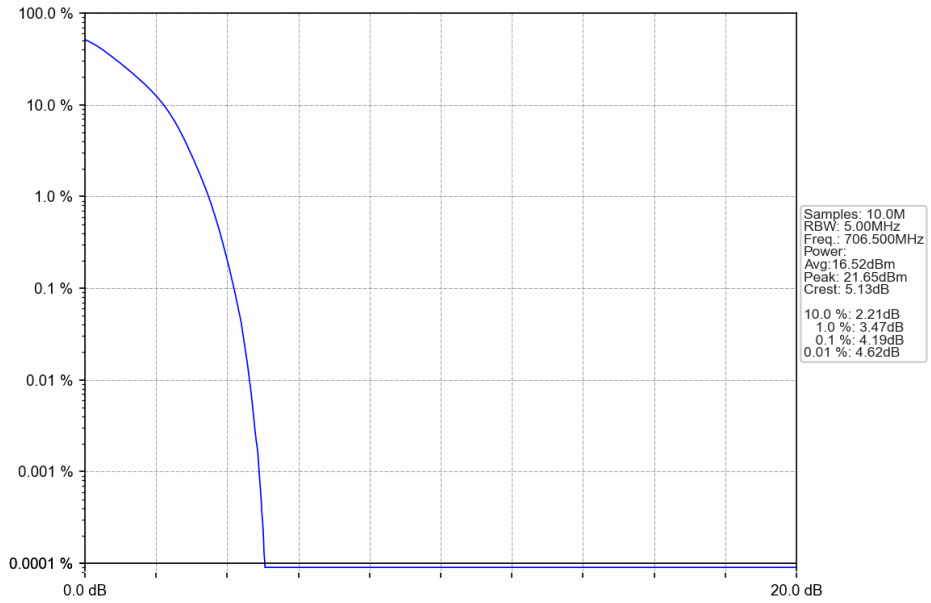
5.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.87	<=13	Pass
	710	50	0	4.83	<=13	Pass
	711	50	0	4.72	<=13	Pass
16QAM	709	50	0	5.65	<=13	Pass
	710	50	0	5.66	<=13	Pass
	711	50	0	5.57	<=13	Pass

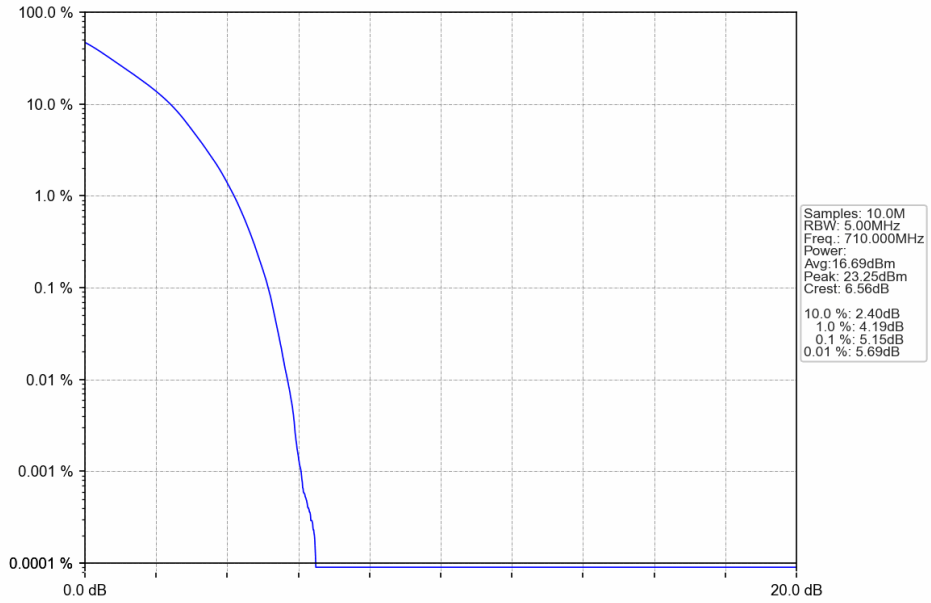
5.2 Test Graph

5.2.1 B17_5MHz

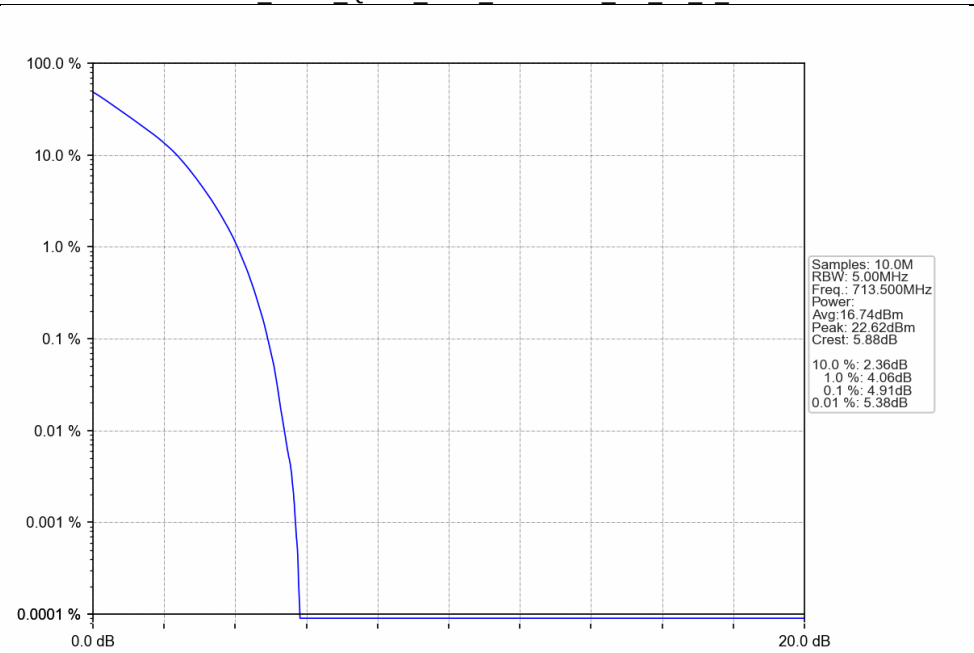
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



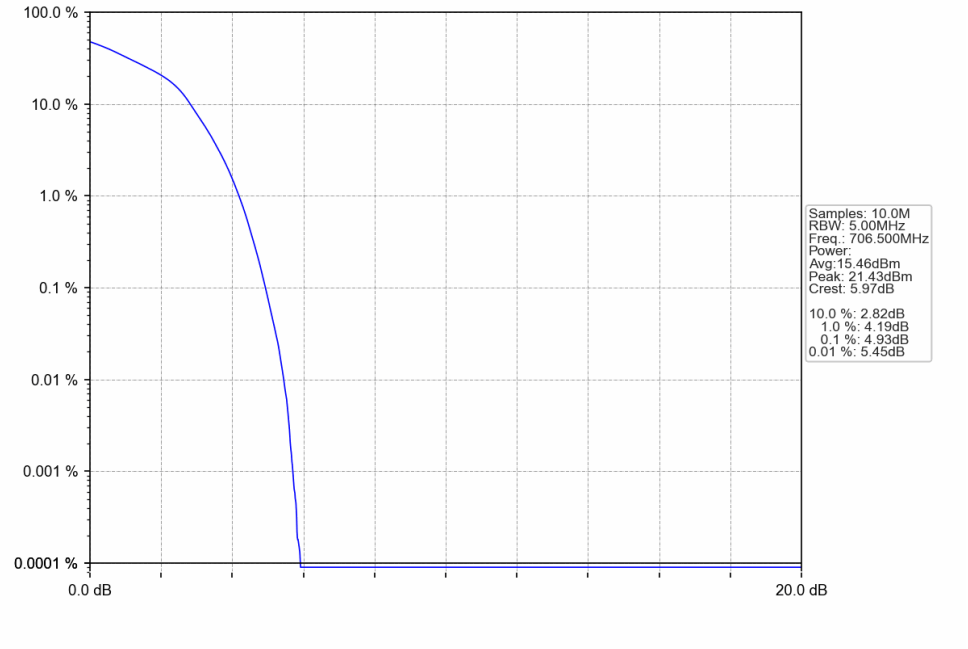
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



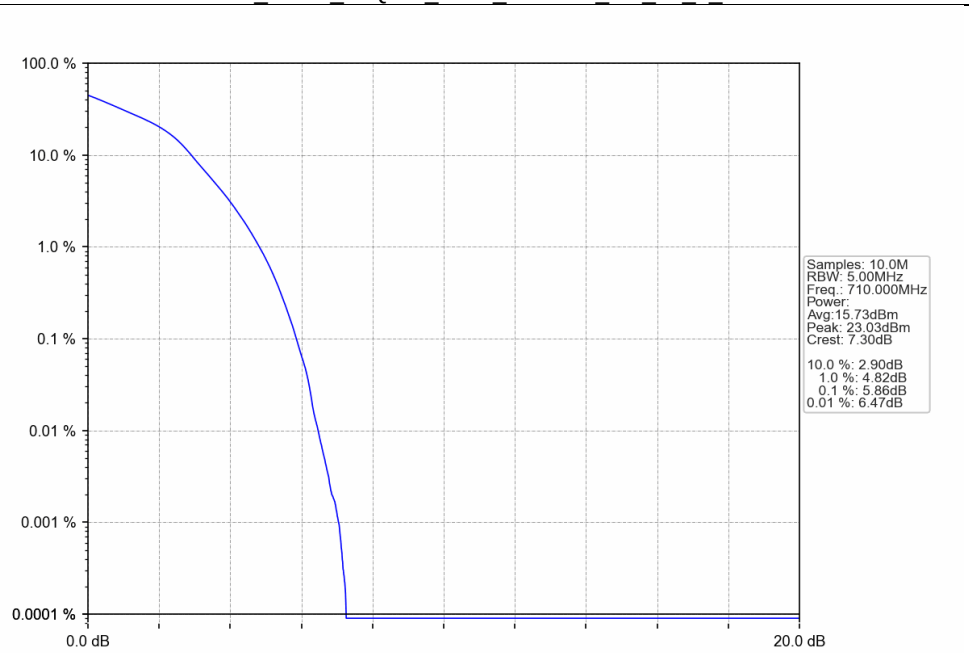
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



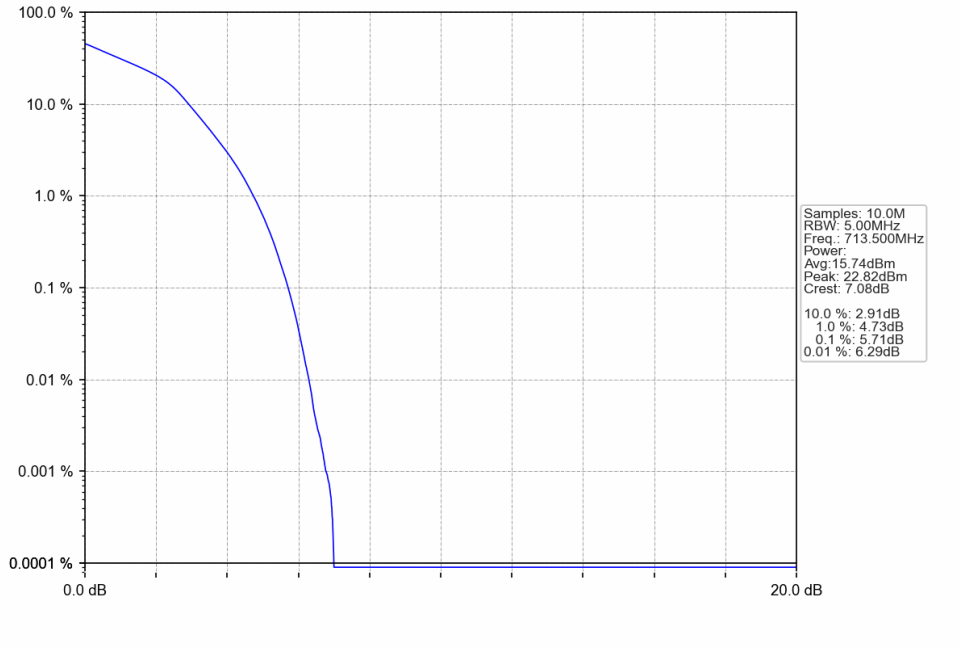
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

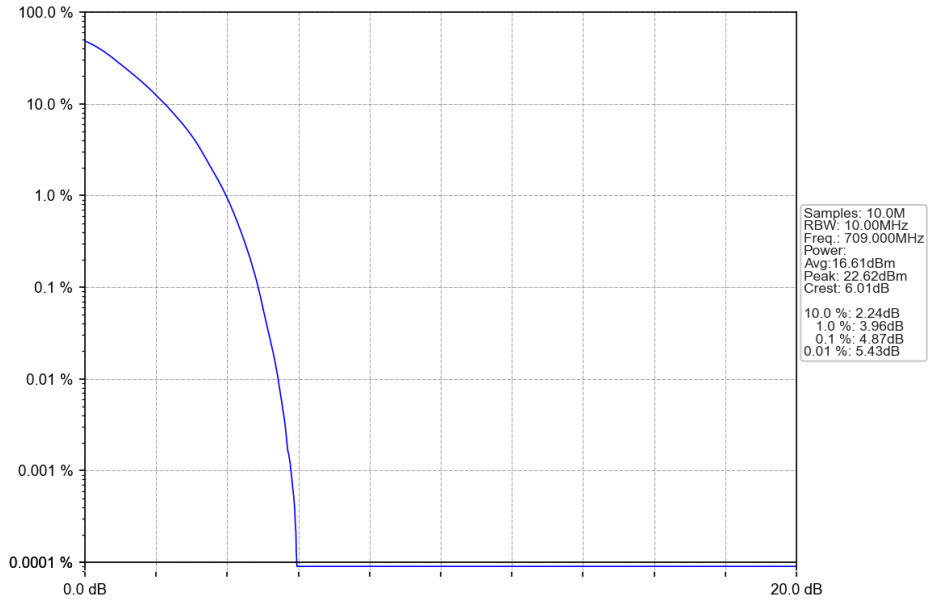


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

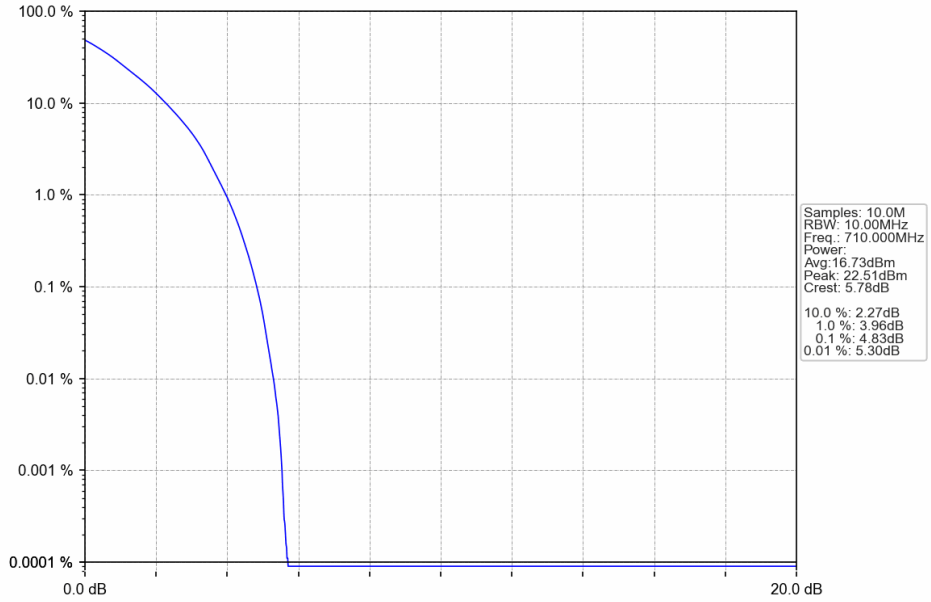


5.2.2 B17_10MHz

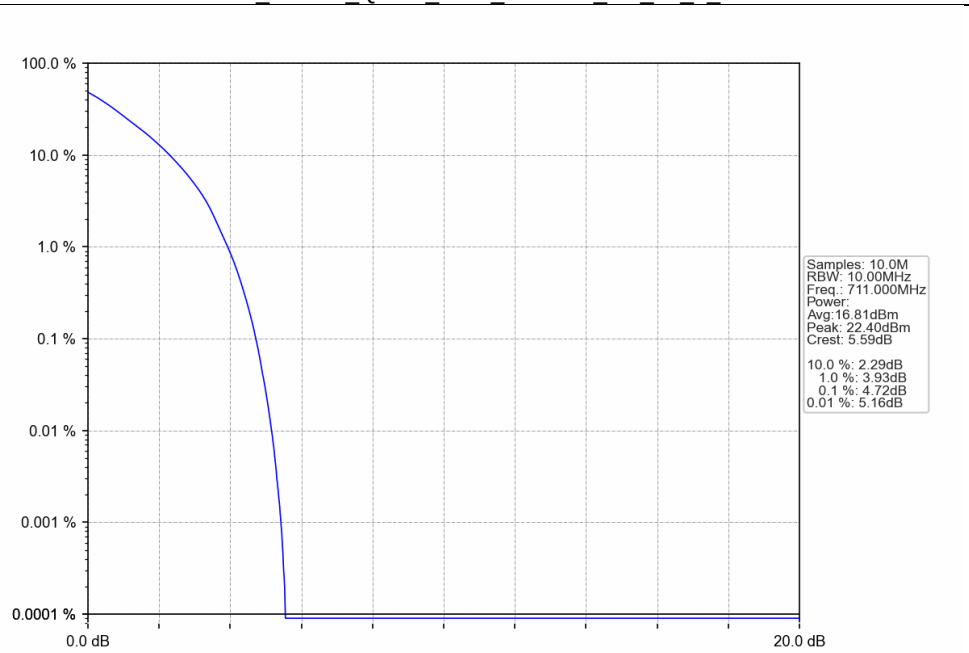
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



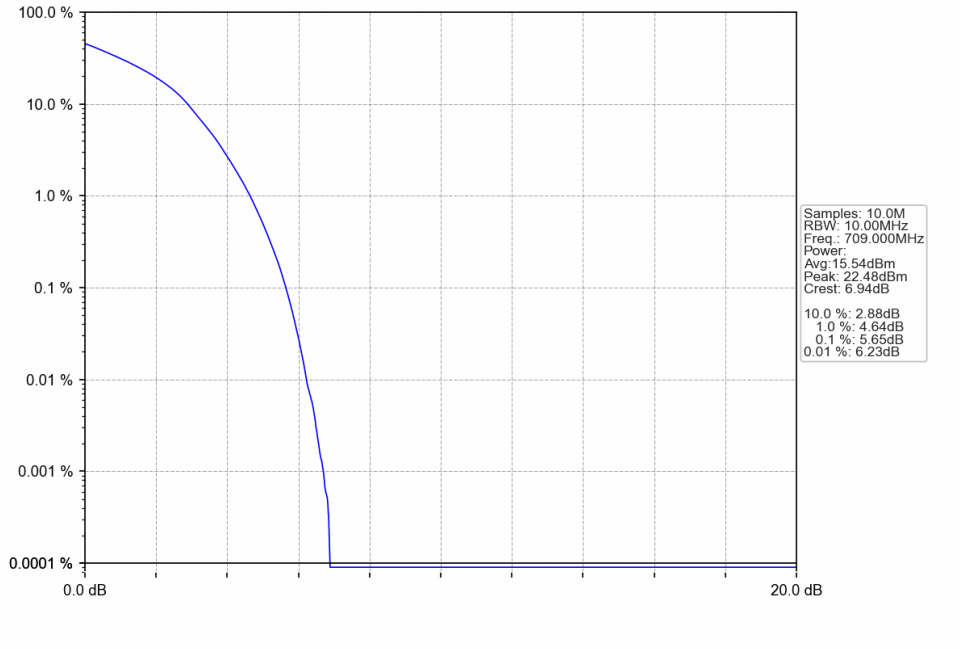
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



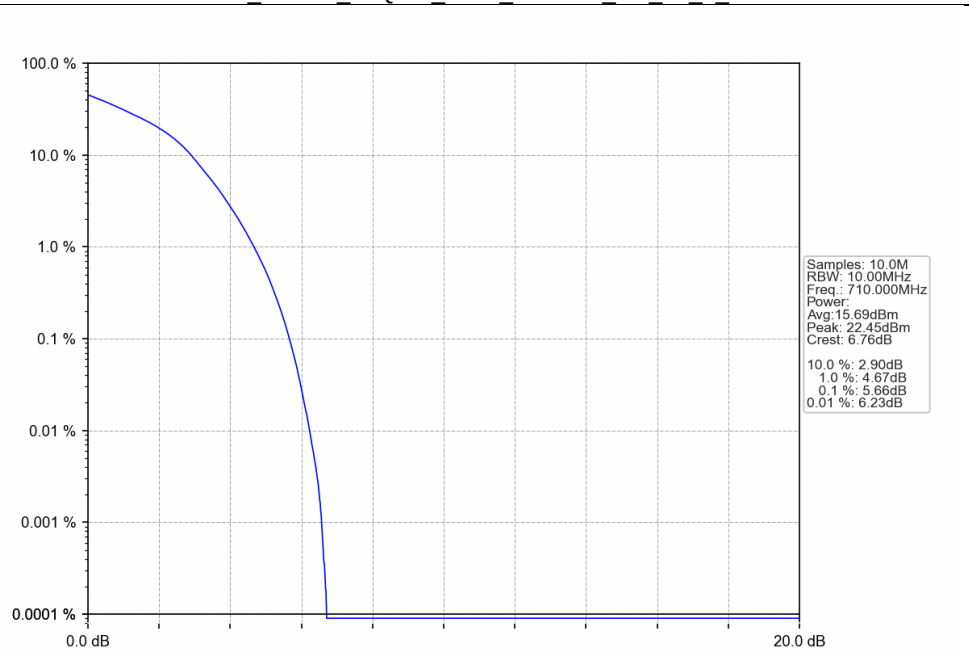
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



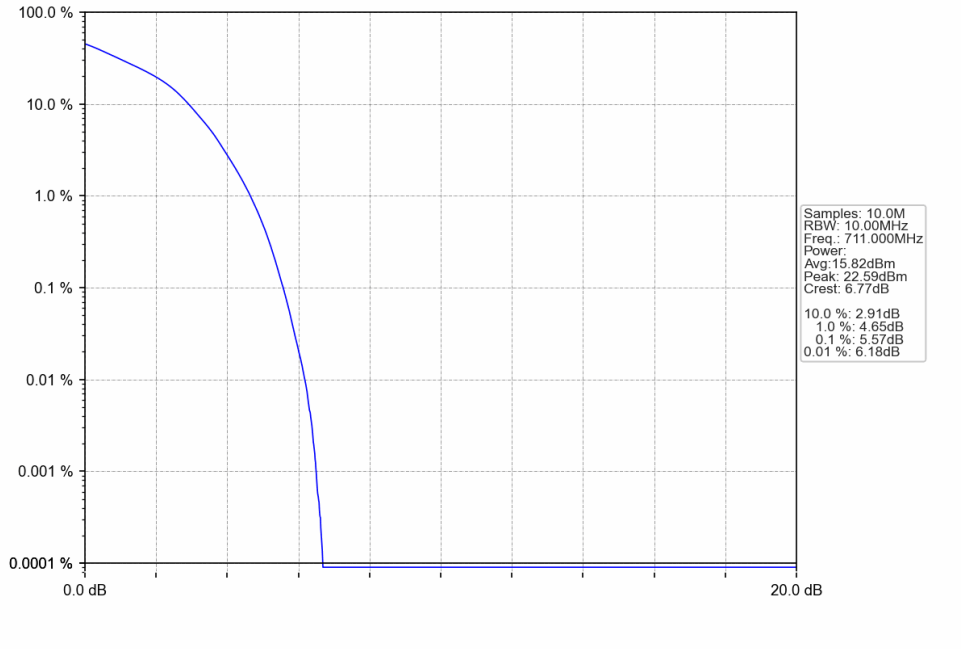
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B17_5MHz

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

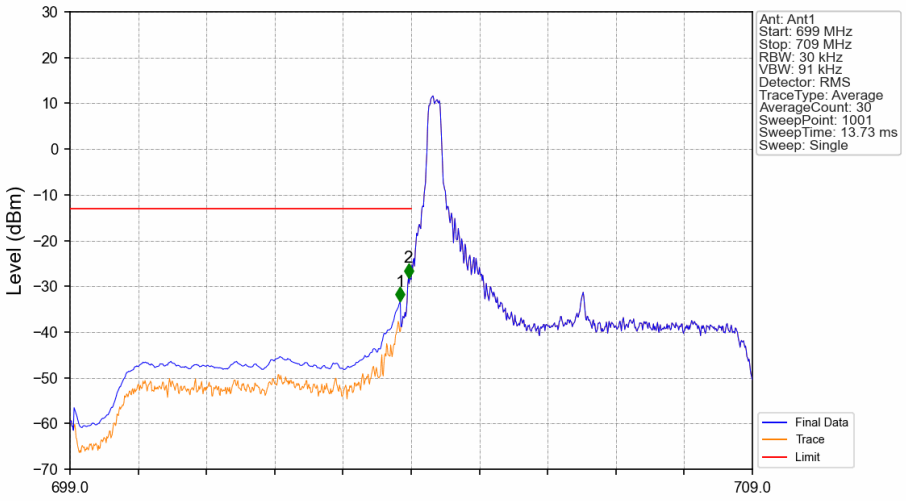
6.1.2 B17_10MHz

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 Test Graph

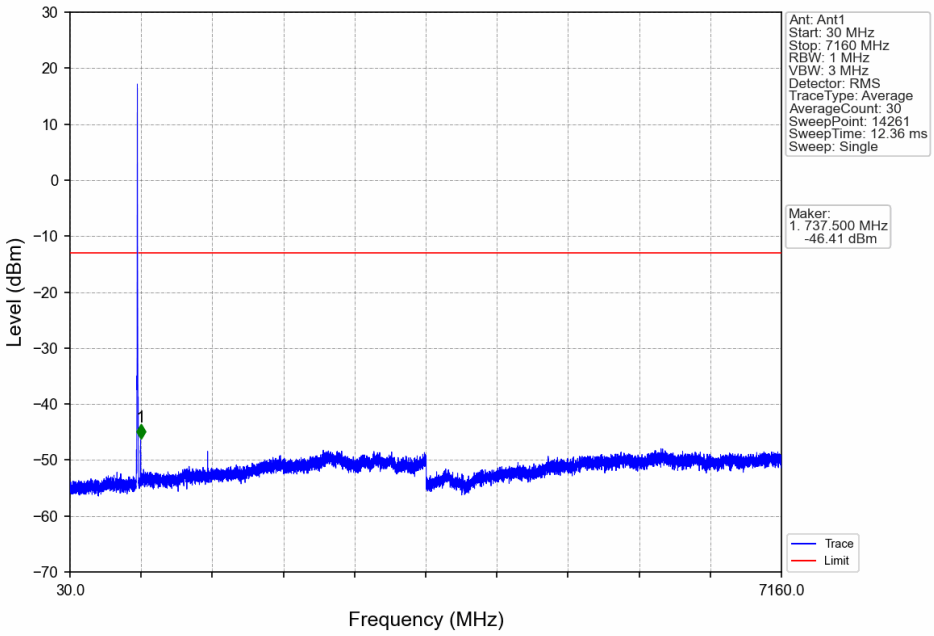
6.2.1 B17_5MHz

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

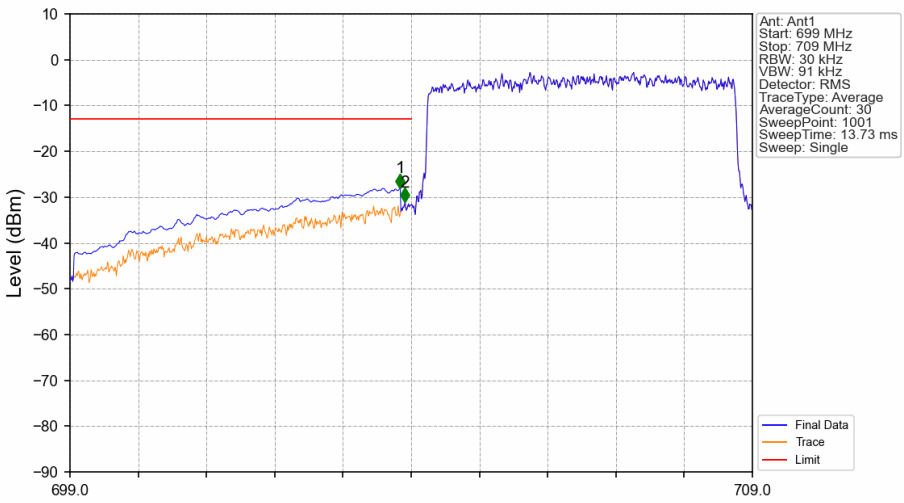


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-33.33	-13	Pass
703.9	704	0.03	/	2	703.960	-28.14	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

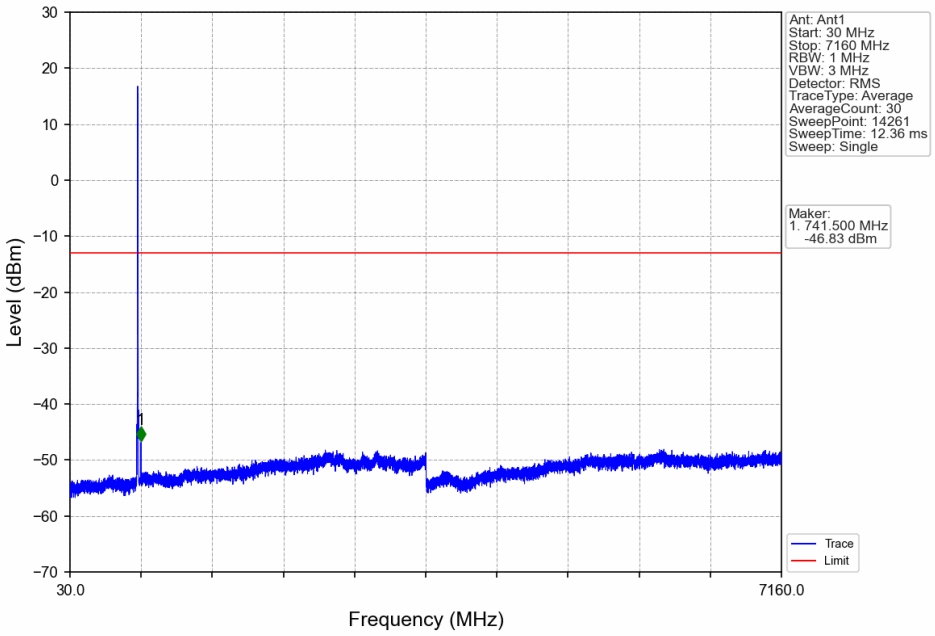


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

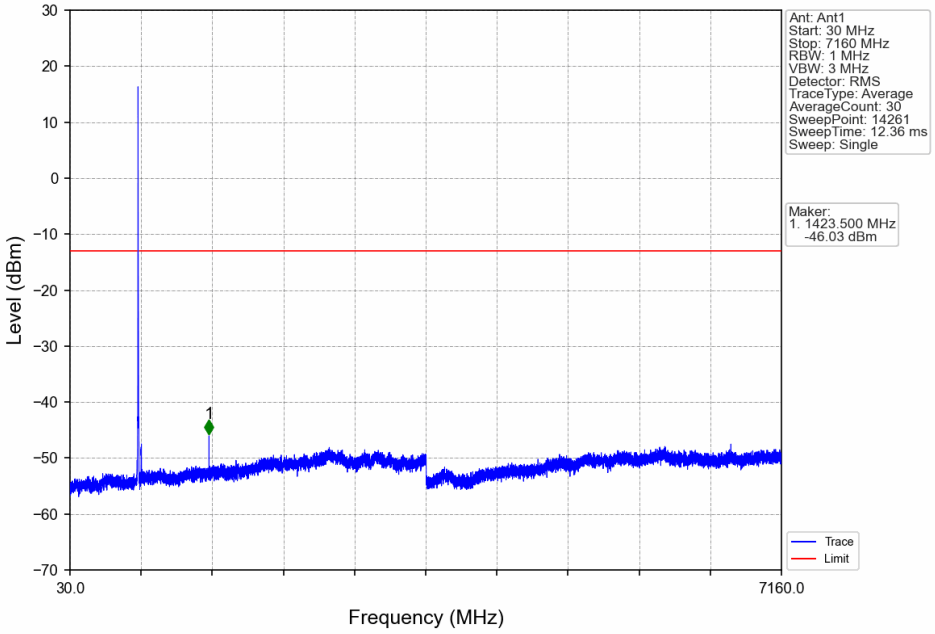


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-28.01	-13	Pass
703.9	704	0.03	/	2	703.910	-31.17	-13	Pass
704	709	0.03	/	/	/	/	/	/

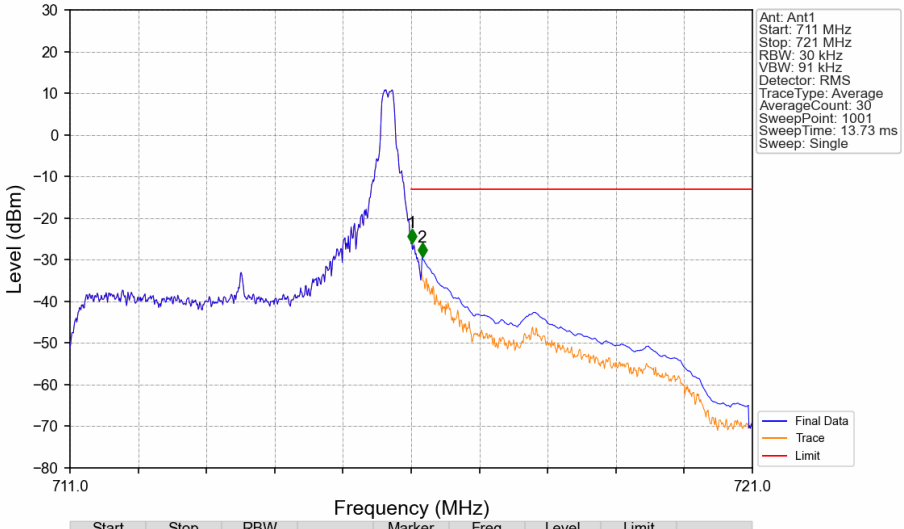
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

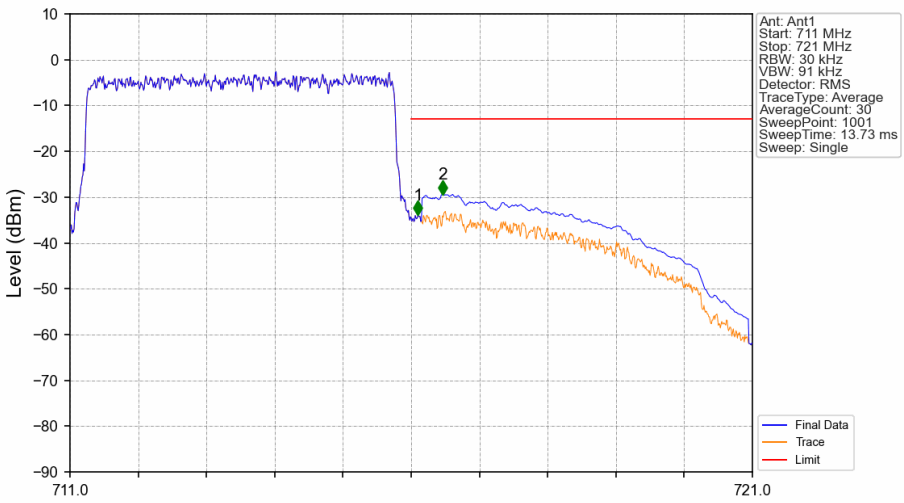


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



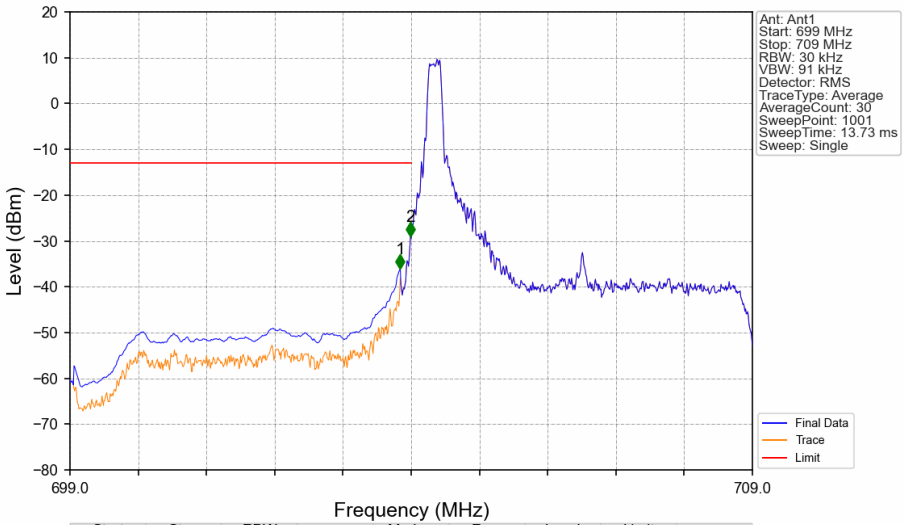
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-25.98	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.40	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



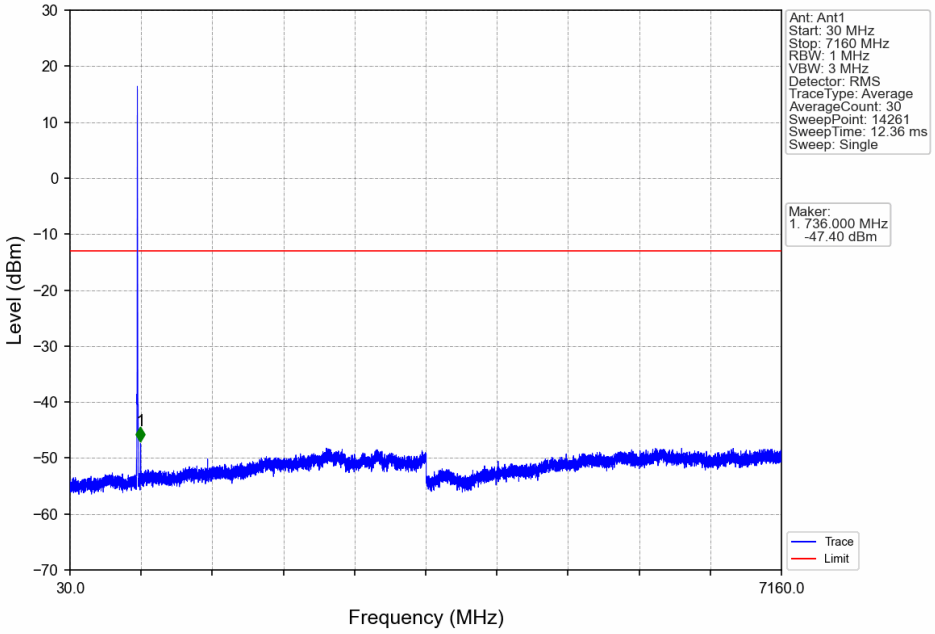
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.100	-33.96	-13	Pass
716.1	721	0.1	CHP	2	716.460	-29.42	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

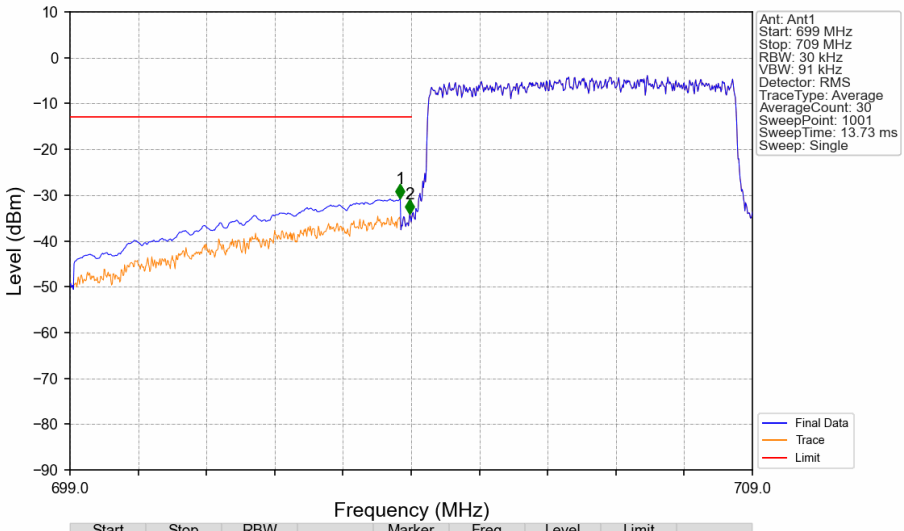


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-36.09	-13	Pass
703.9	704	0.03	/	2	703.990	-29.05	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

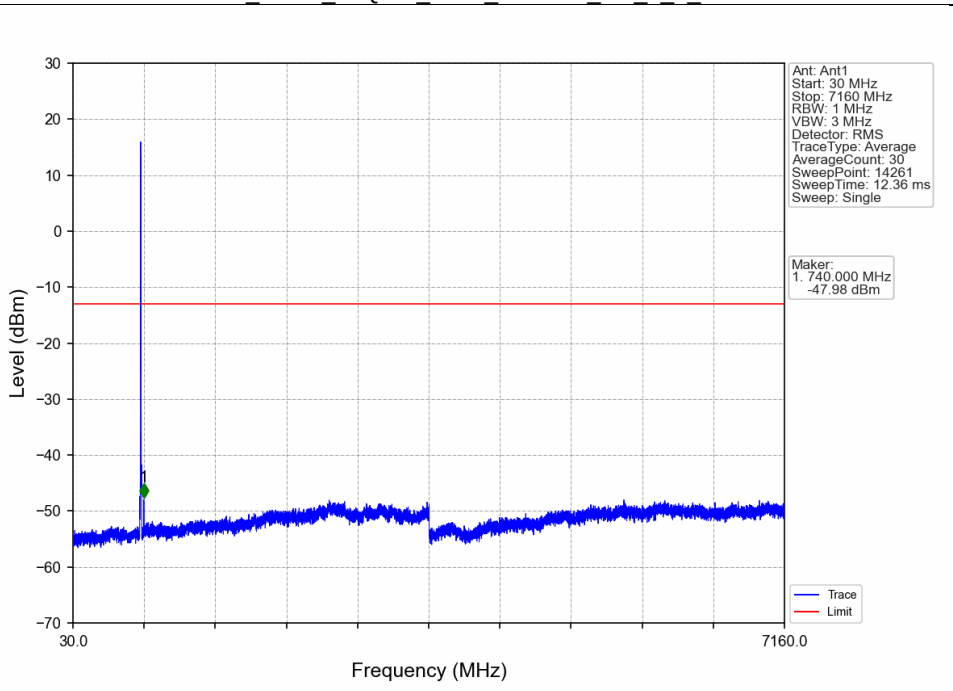


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

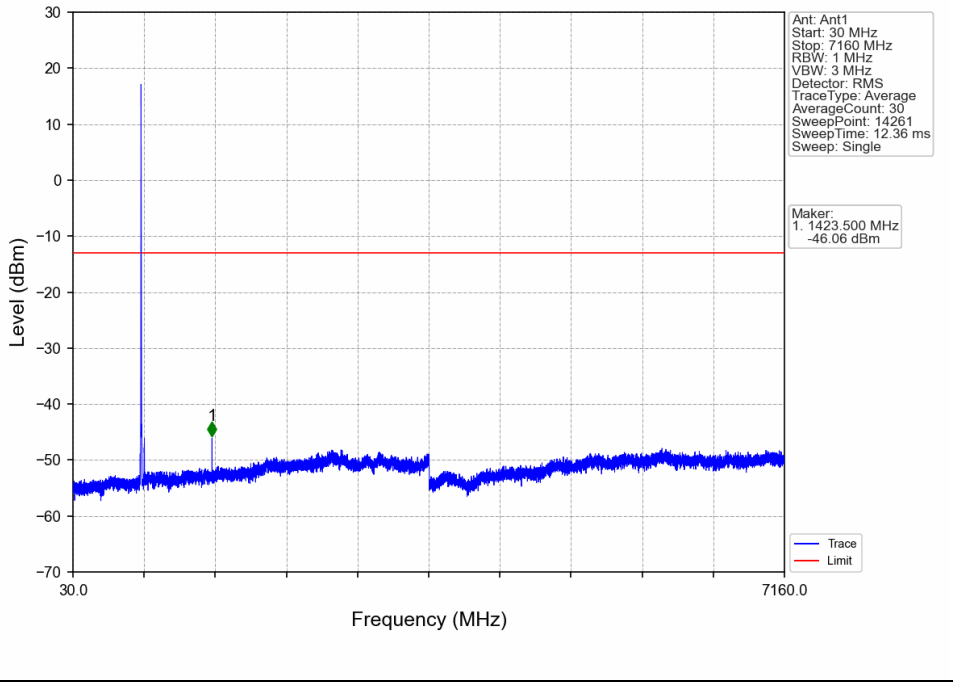


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.78	-13	Pass
703.9	704	0.03	/	2	703.980	-34.06	-13	Pass
704	709	0.03	/	/	/	/	/	/

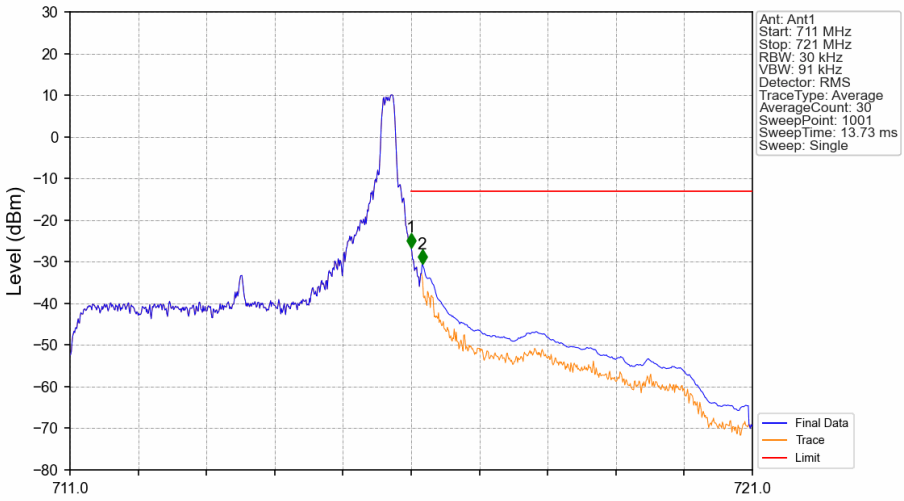
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

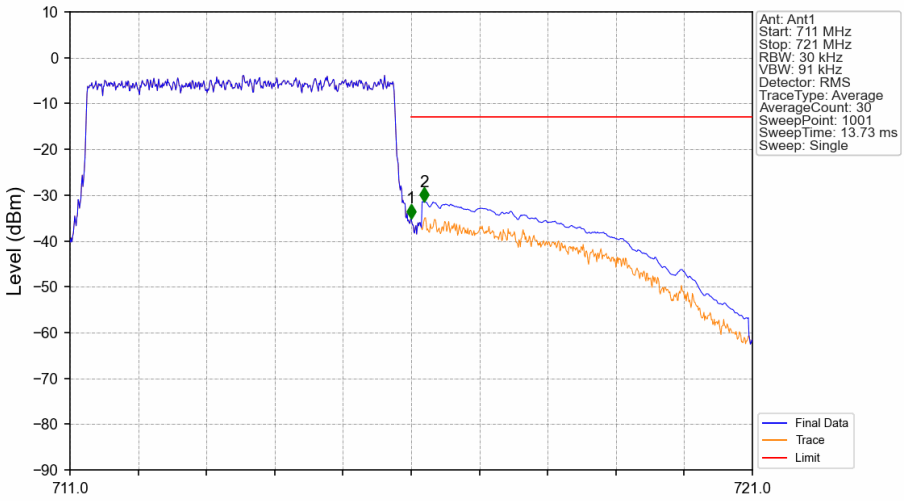


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	716.000	-26.58	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.51	-13	Pass

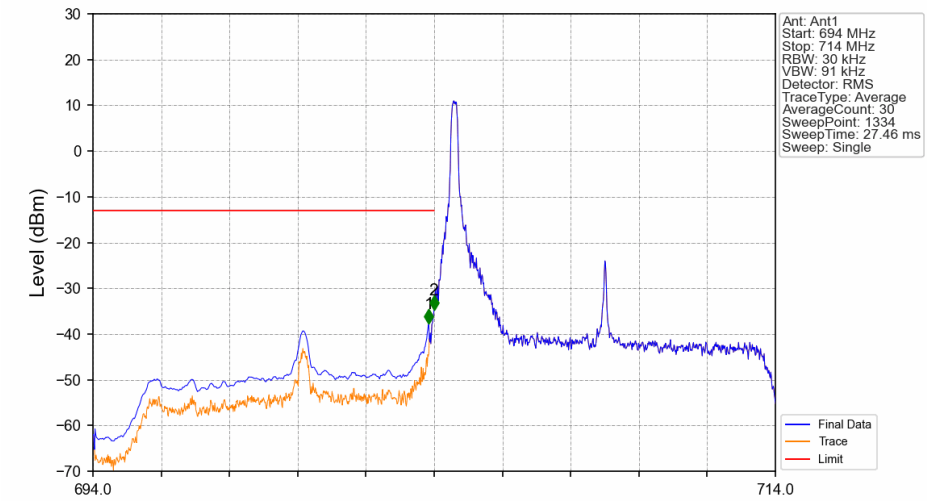
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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	716.000	-35.06	-13	Pass
716.1	721	0.1	CHP	2	716.190	-31.43	-13	Pass

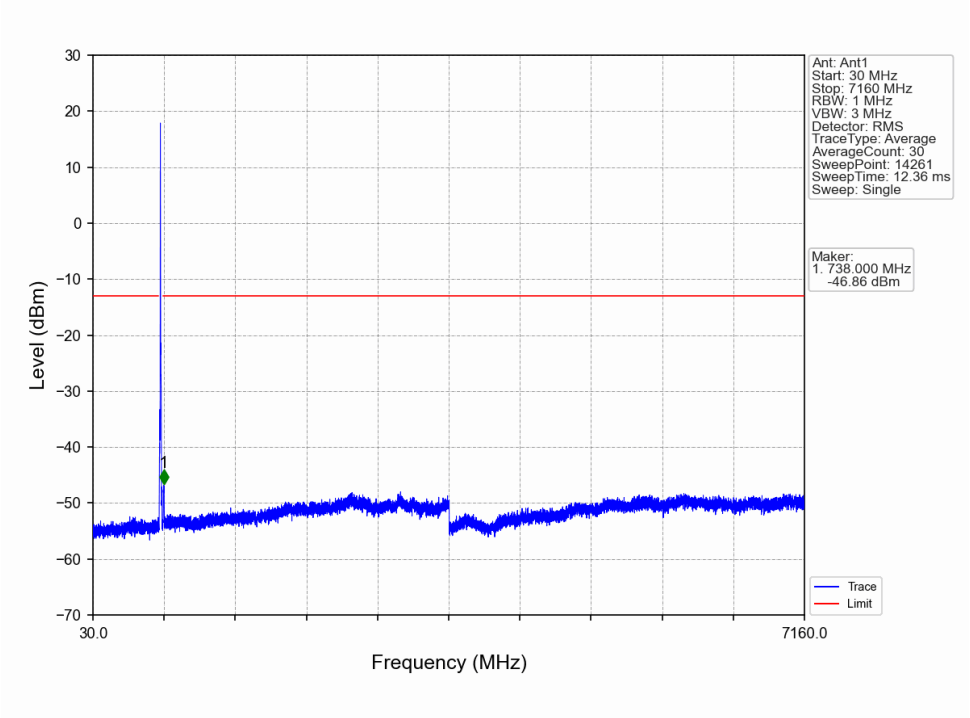
6.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

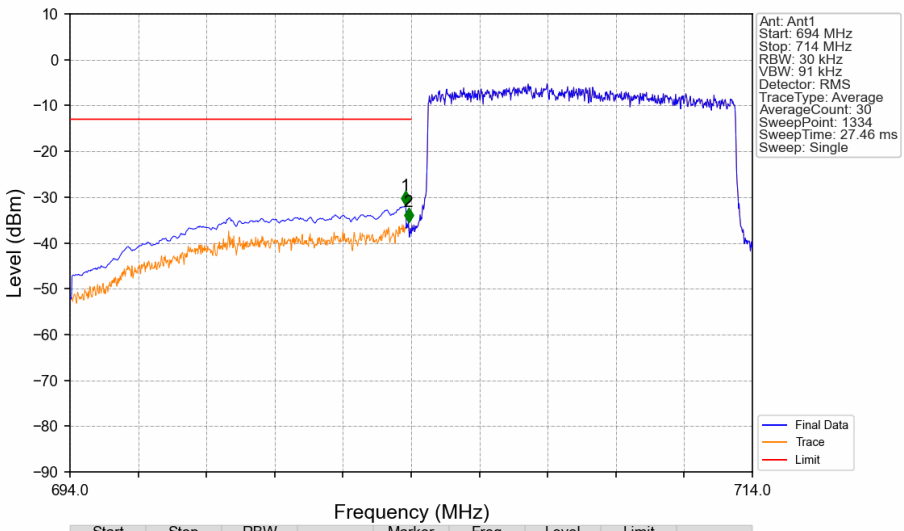


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-37.75	-13	Pass
703.9	704	0.03	/	2	703.992	-34.79	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

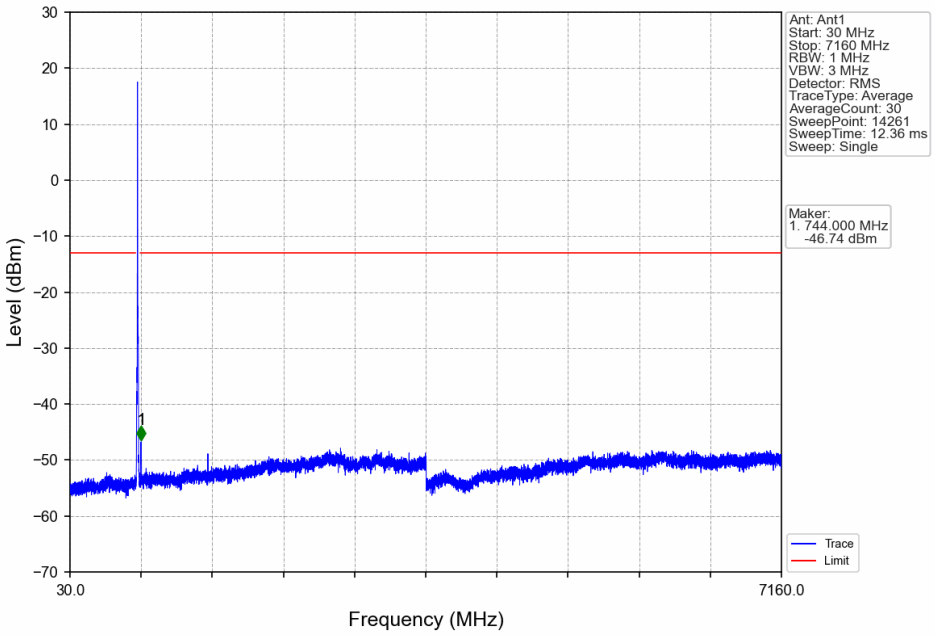


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

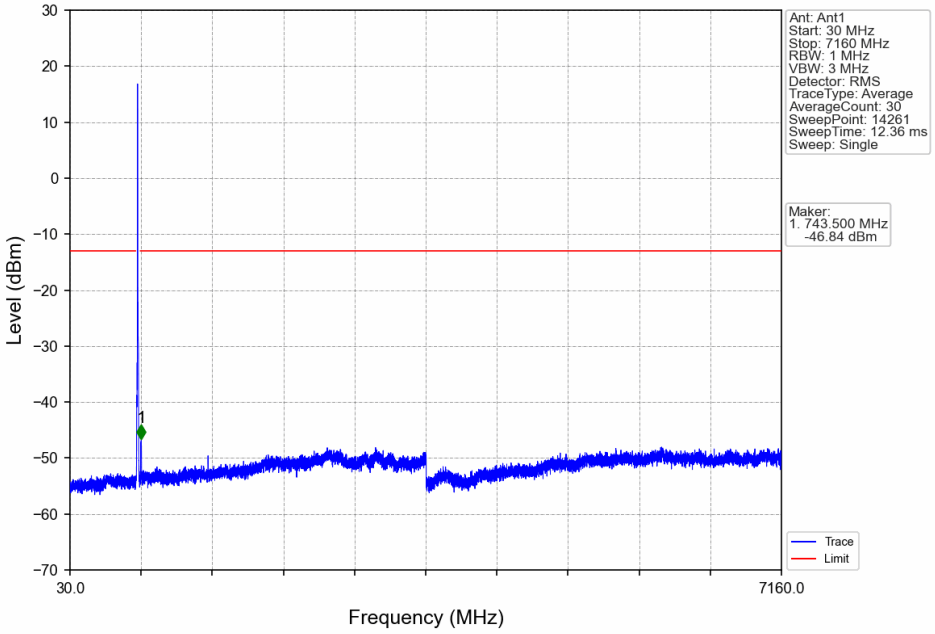


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.827	-31.84	-13	Pass
703.9	704	0.03	/	2	703.917	-35.44	-13	Pass
704	714	0.03	/	/	/	/	/	/

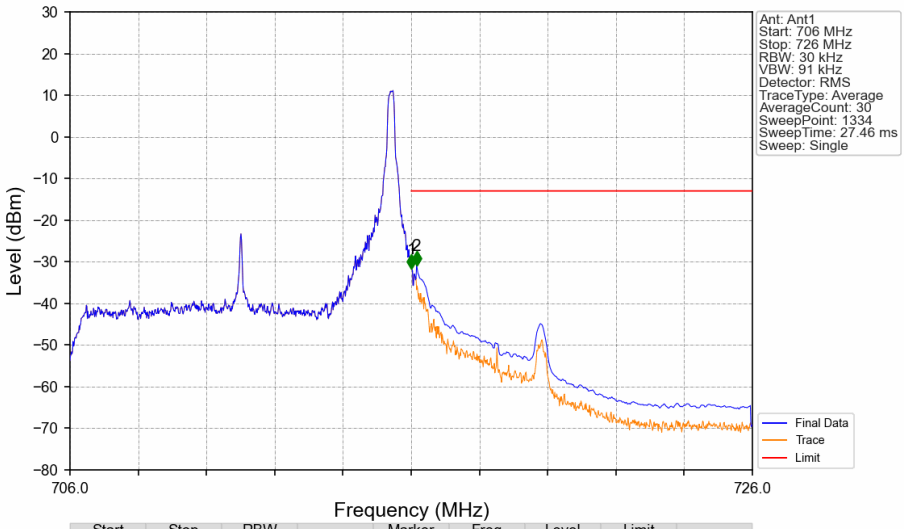
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

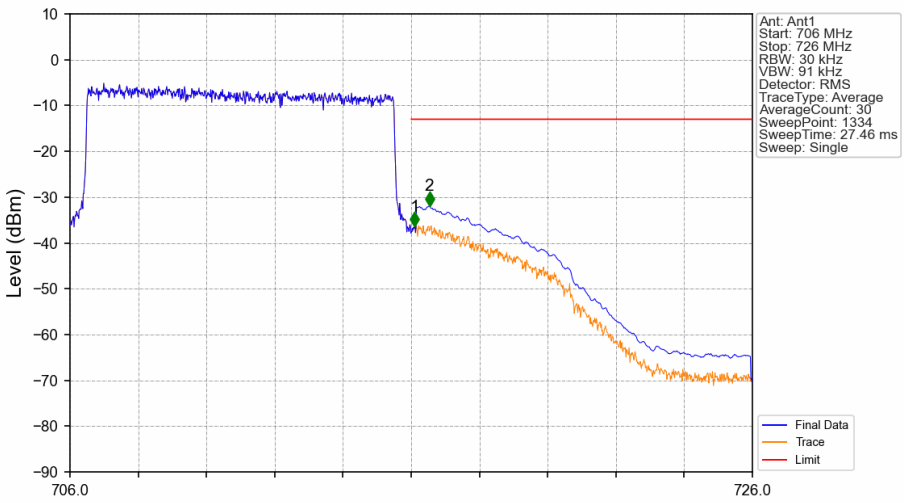


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



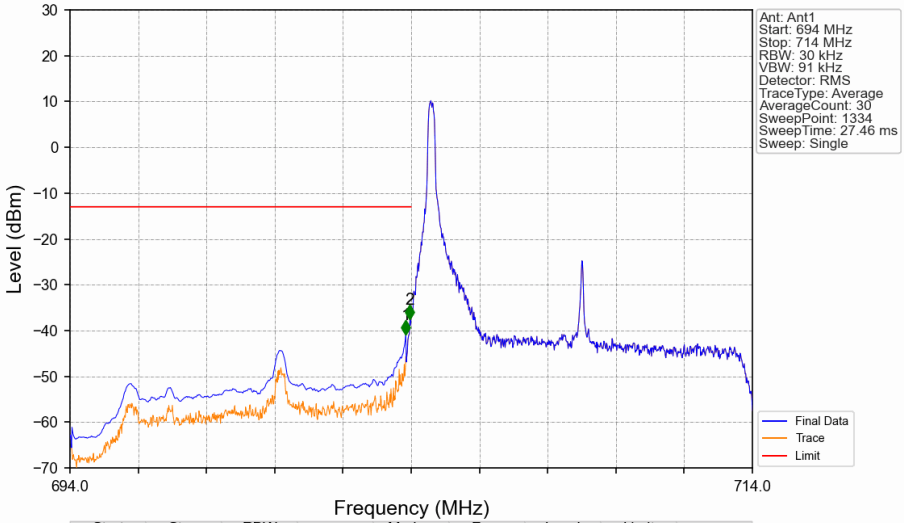
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-31.70	-13	Pass
716.1	726	0.1	CHP	2	716.158	-30.93	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



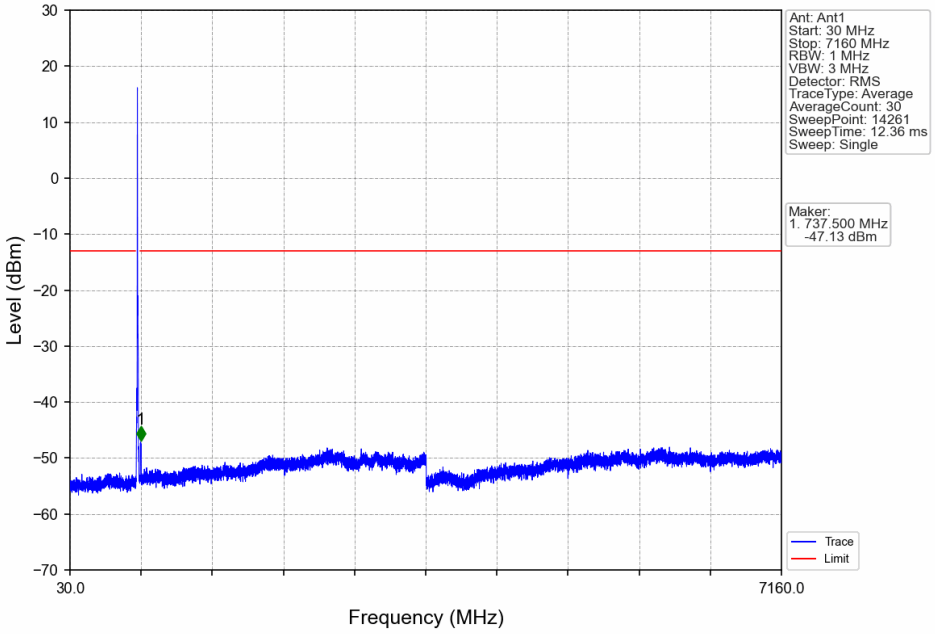
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.098	-36.43	-13	Pass
716.1	726	0.1	CHP	2	716.533	-31.90	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

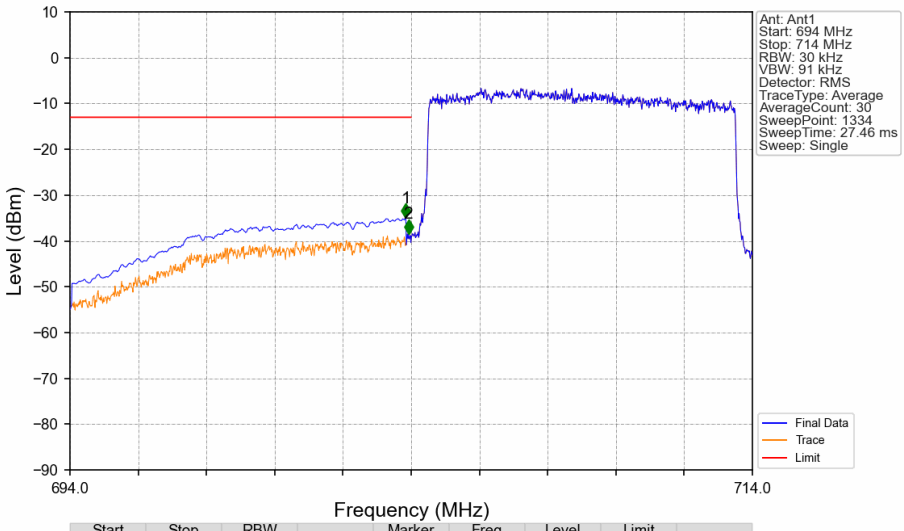


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-40.92	-13	Pass
703.9	704	0.03	/	2	703.962	-37.62	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

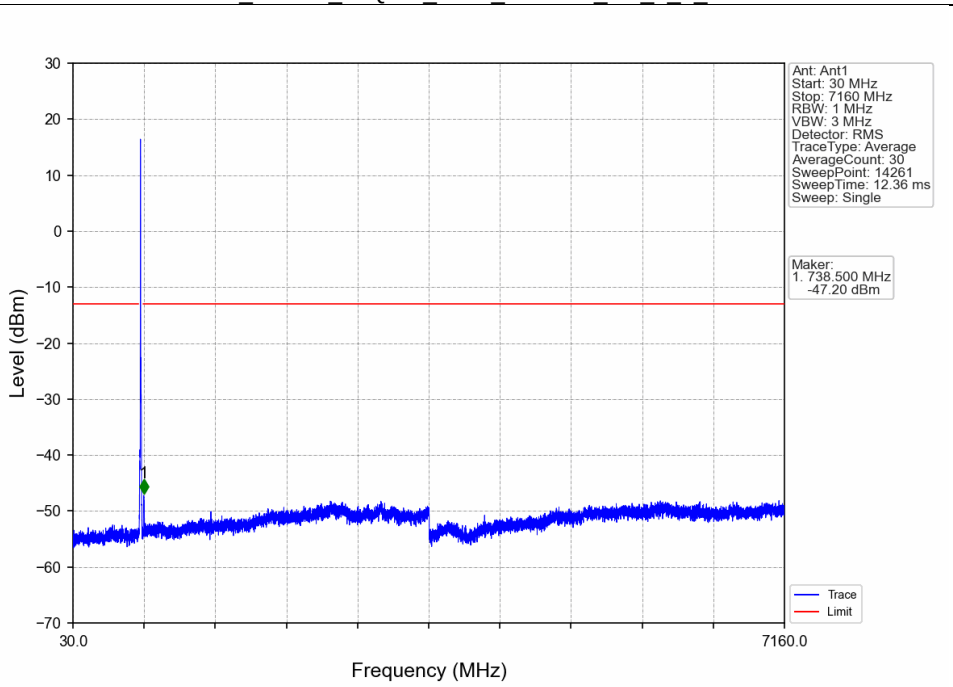


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

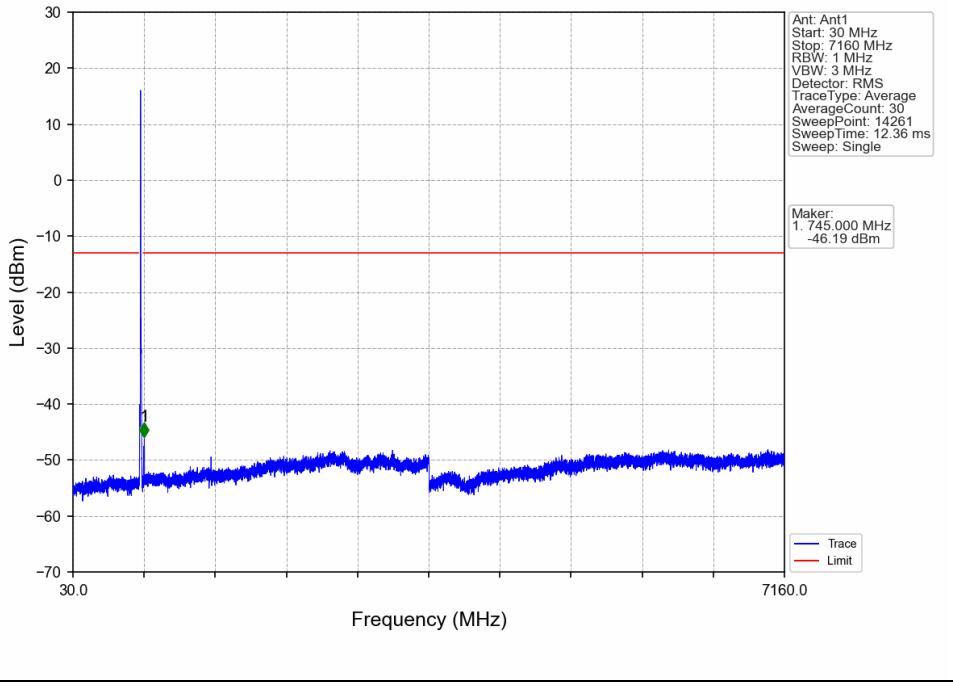


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.04	-13	Pass
703.9	704	0.03	/	2	703.917	-38.43	-13	Pass
704	714	0.03	/	/	/	/	/	/

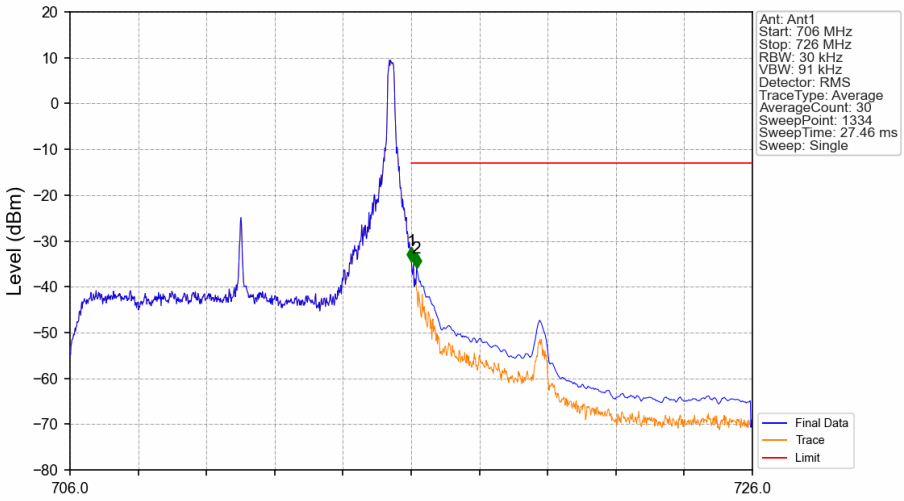
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

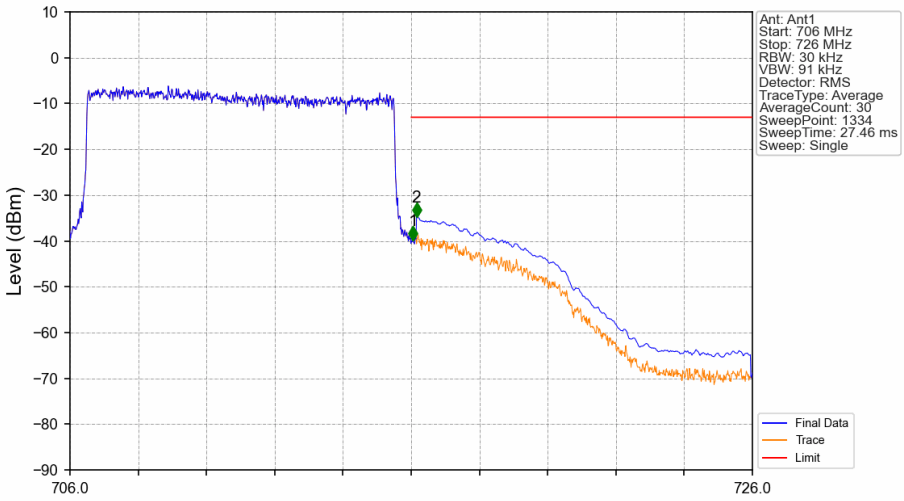


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	716.008	-34.44	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.91	-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	716.053	-39.98	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.75	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.2415	0.0132	ppm	4M57G7D	27H	23.83
17	5	706.5	713.5	0.1945	0.0135	ppm	4M58W7D	27H	22.89
17	10	709	711	0.2438	0.0106	ppm	9M07G7D	27H	23.87
17	10	709	711	0.1919	0.0097	ppm	9M08W7D	27H	22.83

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1122	0.0132	ppm	4M57G7D	27H	20.50
17	5	706.5	713.5	0.0904	0.0135	ppm	4M58W7D	27H	19.56
17	10	709	711	0.1132	0.0106	ppm	9M07G7D	27H	20.54
17	10	709	711	0.0891	0.0097	ppm	9M08W7D	27H	19.50