

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	23.64	-5.97	15.52	<=34.77	Pass
			13	23.72	-5.97	15.60	<=34.77	Pass
			24	23.56	-5.97	15.44	<=34.77	Pass
		12	0	22.58	-5.97	14.46	<=34.77	Pass
			6	22.64	-5.97	14.52	<=34.77	Pass
			13	22.59	-5.97	14.47	<=34.77	Pass
		25	0	22.64	-5.97	14.52	<=34.77	Pass
	710	1	0	23.58	-5.97	15.46	<=34.77	Pass
			13	23.62	-5.97	15.50	<=34.77	Pass
			24	23.48	-5.97	15.36	<=34.77	Pass
		12	0	22.58	-5.97	14.46	<=34.77	Pass
			6	22.60	-5.97	14.48	<=34.77	Pass
			13	22.62	-5.97	14.50	<=34.77	Pass
		25	0	22.57	-5.97	14.45	<=34.77	Pass
	713.5	1	0	23.71	-5.97	15.59	<=34.77	Pass
			13	23.76	-5.97	15.64	<=34.77	Pass
			24	23.58	-5.97	15.46	<=34.77	Pass
		12	0	22.59	-5.97	14.47	<=34.77	Pass
			6	22.61	-5.97	14.49	<=34.77	Pass
			13	22.65	-5.97	14.53	<=34.77	Pass
		25	0	22.59	-5.97	14.47	<=34.77	Pass
16QAM	706.5	1	0	22.72	-5.97	14.60	<=34.77	Pass
			13	22.79	-5.97	14.67	<=34.77	Pass
			24	22.70	-5.97	14.58	<=34.77	Pass
		12	0	21.63	-5.97	13.51	<=34.77	Pass
			6	21.68	-5.97	13.56	<=34.77	Pass
			13	21.63	-5.97	13.51	<=34.77	Pass
		25	0	21.63	-5.97	13.51	<=34.77	Pass
	710	1	0	22.76	-5.97	14.64	<=34.77	Pass
			13	22.80	-5.97	14.68	<=34.77	Pass
			24	22.74	-5.97	14.62	<=34.77	Pass
		12	0	21.59	-5.97	13.47	<=34.77	Pass
			6	21.59	-5.97	13.47	<=34.77	Pass
			13	21.69	-5.97	13.57	<=34.77	Pass
		25	0	21.57	-5.97	13.45	<=34.77	Pass
	713.5	1	0	22.79	-5.97	14.67	<=34.77	Pass
			13	22.91	-5.97	14.79	<=34.77	Pass
			24	22.88	-5.97	14.76	<=34.77	Pass
		12	0	21.59	-5.97	13.47	<=34.77	Pass
			6	21.67	-5.97	13.55	<=34.77	Pass
			13	21.65	-5.97	13.53	<=34.77	Pass
		25	0	21.63	-5.97	13.51	<=34.77	Pass
64QAM	706.5	1	0	21.83	-5.97	13.71	<=34.77	Pass
			13	21.84	-5.97	13.72	<=34.77	Pass
			24	21.75	-5.97	13.63	<=34.77	Pass
		12	0	20.57	-5.97	12.45	<=34.77	Pass
			6	20.69	-5.97	12.57	<=34.77	Pass
			13	20.63	-5.97	12.51	<=34.77	Pass
		25	0	20.62	-5.97	12.50	<=34.77	Pass

	710	1	0	21.75	-5.97	13.63	<=34.77	Pass
			13	21.80	-5.97	13.68	<=34.77	Pass
			24	21.64	-5.97	13.52	<=34.77	Pass
		12	0	20.61	-5.97	12.49	<=34.77	Pass
			6	20.61	-5.97	12.49	<=34.77	Pass
			13	20.62	-5.97	12.50	<=34.77	Pass
	713.5	25	0	20.57	-5.97	12.45	<=34.77	Pass
			0	21.73	-5.97	13.61	<=34.77	Pass
			13	21.81	-5.97	13.69	<=34.77	Pass
		1	24	21.68	-5.97	13.56	<=34.77	Pass
			0	20.62	-5.97	12.50	<=34.77	Pass
			6	20.65	-5.97	12.53	<=34.77	Pass
		12	13	20.69	-5.97	12.57	<=34.77	Pass
			25	20.59	-5.97	12.47	<=34.77	Pass
			0	20.59	-5.97	12.47	<=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	23.59	-5.97	15.47	<=34.77	Pass
			25	23.62	-5.97	15.50	<=34.77	Pass
			49	23.53	-5.97	15.41	<=34.77	Pass
		25	0	22.59	-5.97	14.47	<=34.77	Pass
			13	22.68	-5.97	14.56	<=34.77	Pass
			25	22.62	-5.97	14.50	<=34.77	Pass
		50	0	22.56	-5.97	14.44	<=34.77	Pass
	710	1	0	23.66	-5.97	15.54	<=34.77	Pass
			25	23.64	-5.97	15.52	<=34.77	Pass
			49	23.56	-5.97	15.44	<=34.77	Pass
		25	0	22.63	-5.97	14.51	<=34.77	Pass
			13	22.58	-5.97	14.46	<=34.77	Pass
			25	22.63	-5.97	14.51	<=34.77	Pass
		50	0	22.56	-5.97	14.44	<=34.77	Pass
	711	1	0	23.70	-5.97	15.58	<=34.77	Pass
			25	23.70	-5.97	15.58	<=34.77	Pass
			49	23.60	-5.97	15.48	<=34.77	Pass
		25	0	22.69	-5.97	14.57	<=34.77	Pass
			13	22.74	-5.97	14.62	<=34.77	Pass
			25	22.68	-5.97	14.56	<=34.77	Pass
		50	0	22.62	-5.97	14.50	<=34.77	Pass
16QAM	709	1	0	22.84	-5.97	14.72	<=34.77	Pass
			25	22.80	-5.97	14.68	<=34.77	Pass
			49	22.68	-5.97	14.56	<=34.77	Pass
		25	0	21.62	-5.97	13.50	<=34.77	Pass
			13	21.67	-5.97	13.55	<=34.77	Pass
			25	21.61	-5.97	13.49	<=34.77	Pass
		50	0	21.57	-5.97	13.45	<=34.77	Pass
	710	1	0	22.76	-5.97	14.64	<=34.77	Pass
			25	22.84	-5.97	14.72	<=34.77	Pass
			49	22.72	-5.97	14.60	<=34.77	Pass
		25	0	21.61	-5.97	13.49	<=34.77	Pass
			13	21.59	-5.97	13.47	<=34.77	Pass
			25	21.64	-5.97	13.52	<=34.77	Pass
		50	0	21.60	-5.97	13.48	<=34.77	Pass
	711	1	0	22.88	-5.97	14.76	<=34.77	Pass

			25	22.80	-5.97	14.68	<=34.77	Pass		
			49	22.83	-5.97	14.71	<=34.77	Pass		
		25	0	21.66	-5.97	13.54	<=34.77	Pass		
			13	21.71	-5.97	13.59	<=34.77	Pass		
			25	21.67	-5.97	13.55	<=34.77	Pass		
		50	0	21.64	-5.97	13.52	<=34.77	Pass		
64QAM	709	1	0	21.80	-5.97	13.68	<=34.77	Pass		
			25	21.79	-5.97	13.67	<=34.77	Pass		
			49	21.64	-5.97	13.52	<=34.77	Pass		
		25	0	20.63	-5.97	12.51	<=34.77	Pass		
			13	20.70	-5.97	12.58	<=34.77	Pass		
			25	20.60	-5.97	12.48	<=34.77	Pass		
		50	0	20.60	-5.97	12.48	<=34.77	Pass		
		710	1	0	21.77	-5.97	13.65	<=34.77	Pass	
				25	21.84	-5.97	13.72	<=34.77	Pass	
	49			21.71	-5.97	13.59	<=34.77	Pass		
	25		0	20.62	-5.97	12.50	<=34.77	Pass		
			13	20.62	-5.97	12.50	<=34.77	Pass		
			25	20.63	-5.97	12.51	<=34.77	Pass		
	50		0	20.58	-5.97	12.46	<=34.77	Pass		
	711		1	0	21.92	-5.97	13.80	<=34.77	Pass	
				25	21.88	-5.97	13.76	<=34.77	Pass	
		49		21.78	-5.97	13.66	<=34.77	Pass		
		25	0	20.66	-5.97	12.54	<=34.77	Pass		
			13	20.72	-5.97	12.60	<=34.77	Pass		
			25	20.66	-5.97	12.54	<=34.77	Pass		
		50	0	20.64	-5.97	12.52	<=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 (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	3.6	-1.346	-0.0019	-2.5 to 2.5	Pass
					3.92	-0.633	-0.0009	-2.5 to 2.5	Pass
					4.53	0.661	0.0009	-2.5 to 2.5	Pass
				-30	3.92	0.958	0.0014	-2.5 to 2.5	Pass
				-20	3.92	-0.482	-0.0007	-2.5 to 2.5	Pass
				-10	3.92	0.480	0.0007	-2.5 to 2.5	Pass
				0	3.92	-1.467	-0.0021	-2.5 to 2.5	Pass
				10	3.92	0.017	0.0000	-2.5 to 2.5	Pass
				30	3.92	-0.787	-0.0011	-2.5 to 2.5	Pass
				40	3.92	-0.669	-0.0009	-2.5 to 2.5	Pass
				50	3.92	-0.616	-0.0009	-2.5 to 2.5	Pass
	710	25	0	20	3.6	1.069	0.0015	-2.5 to 2.5	Pass
					3.92	1.973	0.0028	-2.5 to 2.5	Pass
					4.53	1.864	0.0026	-2.5 to 2.5	Pass
				-30	3.92	1.373	0.0019	-2.5 to 2.5	Pass
				-20	3.92	0.216	0.0003	-2.5 to 2.5	Pass
				-10	3.92	1.565	0.0022	-2.5 to 2.5	Pass
				0	3.92	0.708	0.0010	-2.5 to 2.5	Pass
				10	3.92	-0.166	-0.0002	-2.5 to 2.5	Pass
				30	3.92	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.92	-0.246	-0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.632	-0.0009	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	2.618	0.0037	-2.5 to 2.5	Pass
					3.92	1.747	0.0024	-2.5 to 2.5	Pass
					4.53	2.155	0.0030	-2.5 to 2.5	Pass
				-30	3.92	1.758	0.0025	-2.5 to 2.5	Pass
				-20	3.92	1.138	0.0016	-2.5 to 2.5	Pass
				-10	3.92	1.267	0.0018	-2.5 to 2.5	Pass
				0	3.92	1.127	0.0016	-2.5 to 2.5	Pass
				10	3.92	0.434	0.0006	-2.5 to 2.5	Pass
				30	3.92	0.162	0.0002	-2.5 to 2.5	Pass
				40	3.92	0.148	0.0002	-2.5 to 2.5	Pass
				50	3.92	-0.103	-0.0001	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.6	-0.729	-0.0010	-2.5 to 2.5	Pass
					3.92	0.637	0.0009	-2.5 to 2.5	Pass
					4.53	0.349	0.0005	-2.5 to 2.5	Pass
				-30	3.92	-0.467	-0.0007	-2.5 to 2.5	Pass
				-20	3.92	-0.119	-0.0002	-2.5 to 2.5	Pass
				-10	3.92	-1.105	-0.0016	-2.5 to 2.5	Pass
				0	3.92	-1.028	-0.0015	-2.5 to 2.5	Pass
				10	3.92	0.134	0.0002	-2.5 to 2.5	Pass
				30	3.92	-0.206	-0.0003	-2.5 to 2.5	Pass
				40	3.92	0.071	0.0001	-2.5 to 2.5	Pass
				50	3.92	0.456	0.0006	-2.5 to 2.5	Pass
	710	25	0	20	3.6	-0.291	-0.0004	-2.5 to 2.5	Pass
					3.92	-0.406	-0.0006	-2.5 to 2.5	Pass
					4.53	-0.009	0.0000	-2.5 to 2.5	Pass

				-30	3.92	0.729	0.0010	-2.5 to 2.5	Pass
				-20	3.92	-0.239	-0.0003	-2.5 to 2.5	Pass
				-10	3.92	1.365	0.0019	-2.5 to 2.5	Pass
				0	3.92	0.465	0.0007	-2.5 to 2.5	Pass
				10	3.92	0.511	0.0007	-2.5 to 2.5	Pass
				30	3.92	0.140	0.0002	-2.5 to 2.5	Pass
				40	3.92	0.479	0.0007	-2.5 to 2.5	Pass
				50	3.92	0.514	0.0007	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	-0.376	-0.0005	-2.5 to 2.5	Pass
					3.92	0.462	0.0006	-2.5 to 2.5	Pass
					4.53	-0.076	-0.0001	-2.5 to 2.5	Pass
				-30	3.92	0.334	0.0005	-2.5 to 2.5	Pass
				-20	3.92	-0.427	-0.0006	-2.5 to 2.5	Pass
				-10	3.92	0.441	0.0006	-2.5 to 2.5	Pass
				0	3.92	-0.998	-0.0014	-2.5 to 2.5	Pass
				10	3.92	0.078	0.0001	-2.5 to 2.5	Pass
				30	3.92	-0.968	-0.0014	-2.5 to 2.5	Pass
				40	3.92	-1.395	-0.0020	-2.5 to 2.5	Pass
				50	3.92	-0.666	-0.0009	-2.5 to 2.5	Pass
64QAM	706.5	25	0	20	3.6	0.832	0.0012	-2.5 to 2.5	Pass
					3.92	0.765	0.0011	-2.5 to 2.5	Pass
					4.53	-0.793	-0.0011	-2.5 to 2.5	Pass
				-30	3.92	-0.581	-0.0008	-2.5 to 2.5	Pass
				-20	3.92	-0.076	-0.0001	-2.5 to 2.5	Pass
				-10	3.92	-0.885	-0.0013	-2.5 to 2.5	Pass
				0	3.92	-0.806	-0.0011	-2.5 to 2.5	Pass
				10	3.92	-0.073	-0.0001	-2.5 to 2.5	Pass
				30	3.92	-1.303	-0.0018	-2.5 to 2.5	Pass
				40	3.92	-0.331	-0.0005	-2.5 to 2.5	Pass
				50	3.92	-1.543	-0.0022	-2.5 to 2.5	Pass
	710	25	0	20	3.6	-0.252	-0.0004	-2.5 to 2.5	Pass
					3.92	0.196	0.0003	-2.5 to 2.5	Pass
					4.53	0.360	0.0005	-2.5 to 2.5	Pass
				-30	3.92	-0.302	-0.0004	-2.5 to 2.5	Pass
				-20	3.92	0.106	0.0001	-2.5 to 2.5	Pass
				-10	3.92	0.365	0.0005	-2.5 to 2.5	Pass
				0	3.92	1.281	0.0018	-2.5 to 2.5	Pass
				10	3.92	-0.197	-0.0003	-2.5 to 2.5	Pass
				30	3.92	0.228	0.0003	-2.5 to 2.5	Pass
				40	3.92	0.598	0.0008	-2.5 to 2.5	Pass
				50	3.92	-0.891	-0.0013	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	-1.302	-0.0018	-2.5 to 2.5	Pass
					3.92	-0.394	-0.0006	-2.5 to 2.5	Pass
					4.53	-0.586	-0.0008	-2.5 to 2.5	Pass
				-30	3.92	-0.717	-0.0010	-2.5 to 2.5	Pass
				-20	3.92	-0.449	-0.0006	-2.5 to 2.5	Pass
				-10	3.92	-0.457	-0.0006	-2.5 to 2.5	Pass
				0	3.92	-1.127	-0.0016	-2.5 to 2.5	Pass
				10	3.92	-0.092	-0.0001	-2.5 to 2.5	Pass
				30	3.92	-0.915	-0.0013	-2.5 to 2.5	Pass
				40	3.92	-1.216	-0.0017	-2.5 to 2.5	Pass
				50	3.92	-0.363	-0.0005	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	709	50	0	20	3.6	0.408	0.0006	-2.5 to 2.5	Pass
					3.92	-0.002	0.0000	-2.5 to 2.5	Pass
					4.53	0.951	0.0013	-2.5 to 2.5	Pass
				-30	3.92	0.549	0.0008	-2.5 to 2.5	Pass
				-20	3.92	0.914	0.0013	-2.5 to 2.5	Pass
				-10	3.92	0.207	0.0003	-2.5 to 2.5	Pass
				0	3.92	0.558	0.0008	-2.5 to 2.5	Pass
				10	3.92	0.786	0.0011	-2.5 to 2.5	Pass
				30	3.92	0.013	0.0000	-2.5 to 2.5	Pass
				40	3.92	0.709	0.0010	-2.5 to 2.5	Pass
				50	3.92	0.811	0.0011	-2.5 to 2.5	Pass
	710	50	0	20	3.6	-0.242	-0.0003	-2.5 to 2.5	Pass
					3.92	-0.640	-0.0009	-2.5 to 2.5	Pass
					4.53	-0.310	-0.0004	-2.5 to 2.5	Pass
				-30	3.92	-1.028	-0.0014	-2.5 to 2.5	Pass
				-20	3.92	-0.983	-0.0014	-2.5 to 2.5	Pass
				-10	3.92	-0.263	-0.0004	-2.5 to 2.5	Pass
				0	3.92	-1.496	-0.0021	-2.5 to 2.5	Pass
				10	3.92	-0.323	-0.0005	-2.5 to 2.5	Pass
				30	3.92	-0.235	-0.0003	-2.5 to 2.5	Pass
				40	3.92	-0.134	-0.0002	-2.5 to 2.5	Pass
				50	3.92	-0.722	-0.0010	-2.5 to 2.5	Pass
	711	50	0	20	3.6	-0.234	-0.0003	-2.5 to 2.5	Pass
					3.92	0.072	0.0001	-2.5 to 2.5	Pass
					4.53	0.030	0.0000	-2.5 to 2.5	Pass
				-30	3.92	-0.838	-0.0012	-2.5 to 2.5	Pass
				-20	3.92	-1.073	-0.0015	-2.5 to 2.5	Pass
				-10	3.92	-0.519	-0.0007	-2.5 to 2.5	Pass
				0	3.92	0.094	0.0001	-2.5 to 2.5	Pass
				10	3.92	0.127	0.0002	-2.5 to 2.5	Pass
				30	3.92	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	3.92	-0.241	-0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.322	-0.0005	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.6	0.710	0.0010	-2.5 to 2.5	Pass
					3.92	0.174	0.0002	-2.5 to 2.5	Pass
					4.53	0.379	0.0005	-2.5 to 2.5	Pass
				-30	3.92	-0.439	-0.0006	-2.5 to 2.5	Pass
				-20	3.92	-0.179	-0.0003	-2.5 to 2.5	Pass
				-10	3.92	-1.216	-0.0017	-2.5 to 2.5	Pass
				0	3.92	-0.213	-0.0003	-2.5 to 2.5	Pass
				10	3.92	-0.587	-0.0008	-2.5 to 2.5	Pass
				30	3.92	0.688	0.0010	-2.5 to 2.5	Pass
				40	3.92	0.660	0.0009	-2.5 to 2.5	Pass
				50	3.92	-0.789	-0.0011	-2.5 to 2.5	Pass
	710	50	0	20	3.6	-0.594	-0.0008	-2.5 to 2.5	Pass
					3.92	0.281	0.0004	-2.5 to 2.5	Pass
					4.53	-0.542	-0.0008	-2.5 to 2.5	Pass
				-30	3.92	-1.091	-0.0015	-2.5 to 2.5	Pass
				-20	3.92	-1.190	-0.0017	-2.5 to 2.5	Pass
				-10	3.92	-0.804	-0.0011	-2.5 to 2.5	Pass
				0	3.92	-0.967	-0.0014	-2.5 to 2.5	Pass
				10	3.92	0.080	0.0001	-2.5 to 2.5	Pass
				30	3.92	0.065	0.0001	-2.5 to 2.5	Pass
				40	3.92	-0.320	-0.0005	-2.5 to 2.5	Pass
				50	3.92	-0.900	-0.0013	-2.5 to 2.5	Pass
	711	50	0	20	3.6	-0.913	-0.0013	-2.5 to 2.5	Pass
					3.92	0.479	0.0007	-2.5 to 2.5	Pass
					4.53	-0.491	-0.0007	-2.5 to 2.5	Pass

				-30	3.92	0.080	0.0001	-2.5 to 2.5	Pass
				-20	3.92	-1.158	-0.0016	-2.5 to 2.5	Pass
				-10	3.92	-0.269	-0.0004	-2.5 to 2.5	Pass
				0	3.92	-0.295	-0.0004	-2.5 to 2.5	Pass
				10	3.92	-1.490	-0.0021	-2.5 to 2.5	Pass
				30	3.92	-1.154	-0.0016	-2.5 to 2.5	Pass
				40	3.92	-0.856	-0.0012	-2.5 to 2.5	Pass
64QAM	709	50	0	50	3.92	-1.115	-0.0016	-2.5 to 2.5	Pass
				20	3.6	-0.964	-0.0014	-2.5 to 2.5	Pass
					3.92	-0.066	-0.0001	-2.5 to 2.5	Pass
					4.53	-0.148	-0.0002	-2.5 to 2.5	Pass
				-30	3.92	0.393	0.0006	-2.5 to 2.5	Pass
				-20	3.92	-0.186	-0.0003	-2.5 to 2.5	Pass
				-10	3.92	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.92	0.492	0.0007	-2.5 to 2.5	Pass
				10	3.92	-0.391	-0.0006	-2.5 to 2.5	Pass
				30	3.92	0.340	0.0005	-2.5 to 2.5	Pass
				40	3.92	-0.577	-0.0008	-2.5 to 2.5	Pass
				50	3.92	-0.400	-0.0006	-2.5 to 2.5	Pass
	710	50	0	20	3.6	-0.699	-0.0010	-2.5 to 2.5	Pass
					3.92	0.384	0.0005	-2.5 to 2.5	Pass
					4.53	-0.358	-0.0005	-2.5 to 2.5	Pass
				-30	3.92	-0.324	-0.0005	-2.5 to 2.5	Pass
				-20	3.92	-0.617	-0.0009	-2.5 to 2.5	Pass
				-10	3.92	0.365	0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.815	-0.0011	-2.5 to 2.5	Pass
				10	3.92	-0.159	-0.0002	-2.5 to 2.5	Pass
				30	3.92	0.369	0.0005	-2.5 to 2.5	Pass
				40	3.92	0.787	0.0011	-2.5 to 2.5	Pass
				50	3.92	-0.388	-0.0005	-2.5 to 2.5	Pass
	711	50	0	20	3.6	-0.236	-0.0003	-2.5 to 2.5	Pass
					3.92	0.686	0.0010	-2.5 to 2.5	Pass
					4.53	-0.420	-0.0006	-2.5 to 2.5	Pass
				-30	3.92	-0.473	-0.0007	-2.5 to 2.5	Pass
				-20	3.92	-1.265	-0.0018	-2.5 to 2.5	Pass
				-10	3.92	-0.702	-0.0010	-2.5 to 2.5	Pass
				0	3.92	-1.150	-0.0016	-2.5 to 2.5	Pass
				10	3.92	-0.979	-0.0014	-2.5 to 2.5	Pass
				30	3.92	-0.430	-0.0006	-2.5 to 2.5	Pass
				40	3.92	-0.943	-0.0013	-2.5 to 2.5	Pass
				50	3.92	-1.054	-0.0015	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band17_OBW

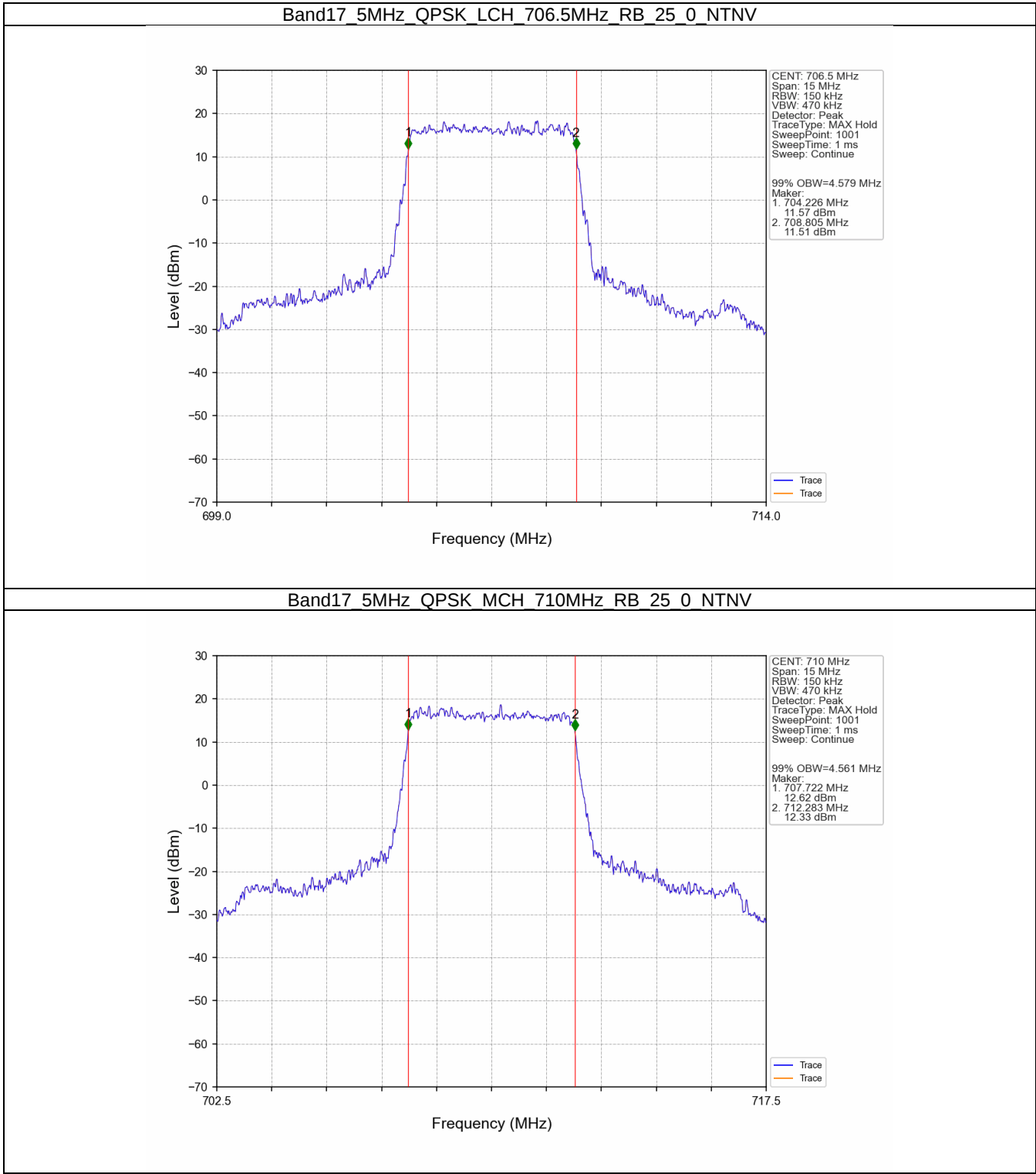
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.579	/	Pass
		710	25	0	4.561	/	Pass
		713.5	25	0	4.575	/	Pass
	16QAM	706.5	25	0	4.576	/	Pass
		710	25	0	4.592	/	Pass
		713.5	25	0	4.572	/	Pass
	64QAM	706.5	25	0	4.571	/	Pass
		710	25	0	4.571	/	Pass
		713.5	25	0	4.585	/	Pass
10	QPSK	709	50	0	9.072	/	Pass
		710	50	0	9.072	/	Pass
		711	50	0	9.083	/	Pass
	16QAM	709	50	0	9.061	/	Pass
		710	50	0	9.061	/	Pass
		711	50	0	9.072	/	Pass
	64QAM	709	50	0	9.083	/	Pass
		710	50	0	9.085	/	Pass
		711	50	0	9.074	/	Pass

3.1.2 Band17_XDB

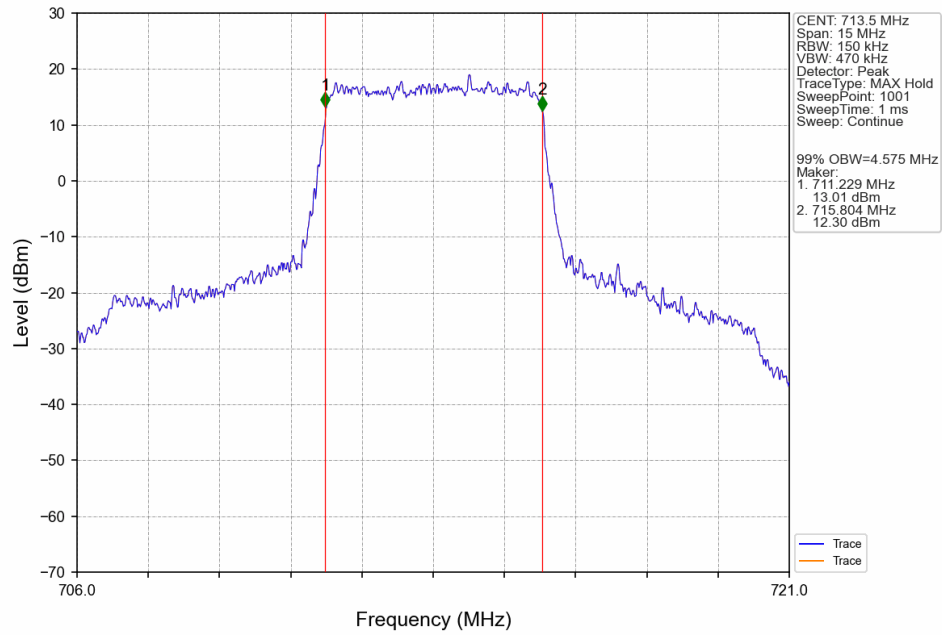
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.272	/	Pass
		710	25	0	5.207	/	Pass
		713.5	25	0	5.202	/	Pass
	16QAM	706.5	25	0	5.308	/	Pass
		710	25	0	5.240	/	Pass
		713.5	25	0	5.202	/	Pass
	64QAM	706.5	25	0	5.256	/	Pass
		710	25	0	5.180	/	Pass
		713.5	25	0	5.213	/	Pass
10	QPSK	709	50	0	10.199	/	Pass
		710	50	0	10.203	/	Pass
		711	50	0	10.175	/	Pass
	16QAM	709	50	0	10.183	/	Pass
		710	50	0	10.045	/	Pass
		711	50	0	10.208	/	Pass
	64QAM	709	50	0	10.097	/	Pass
		710	50	0	10.235	/	Pass
		711	50	0	10.236	/	Pass

3.2 Test Graph

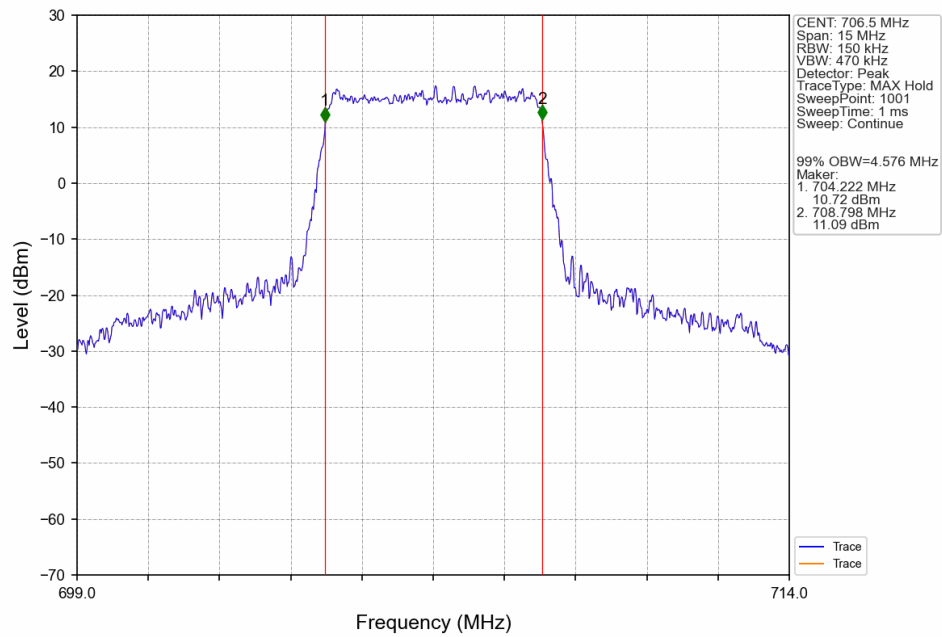
3.2.1 Band17_OBW



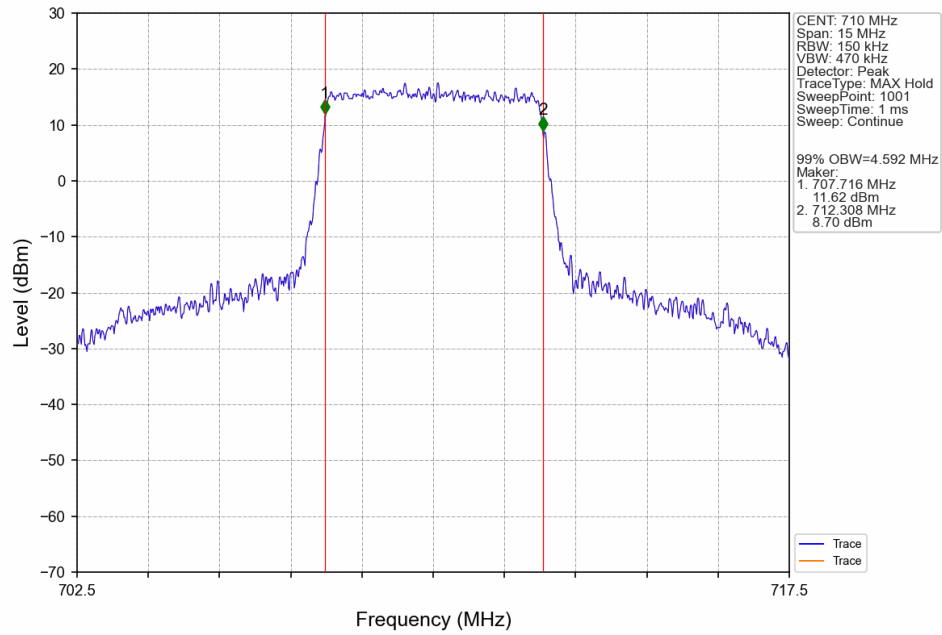
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



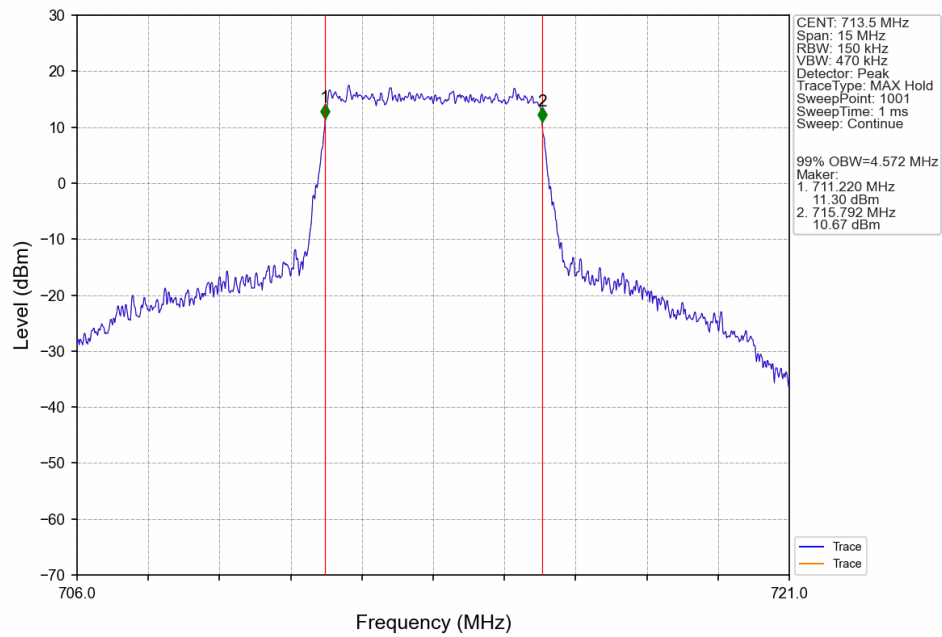
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



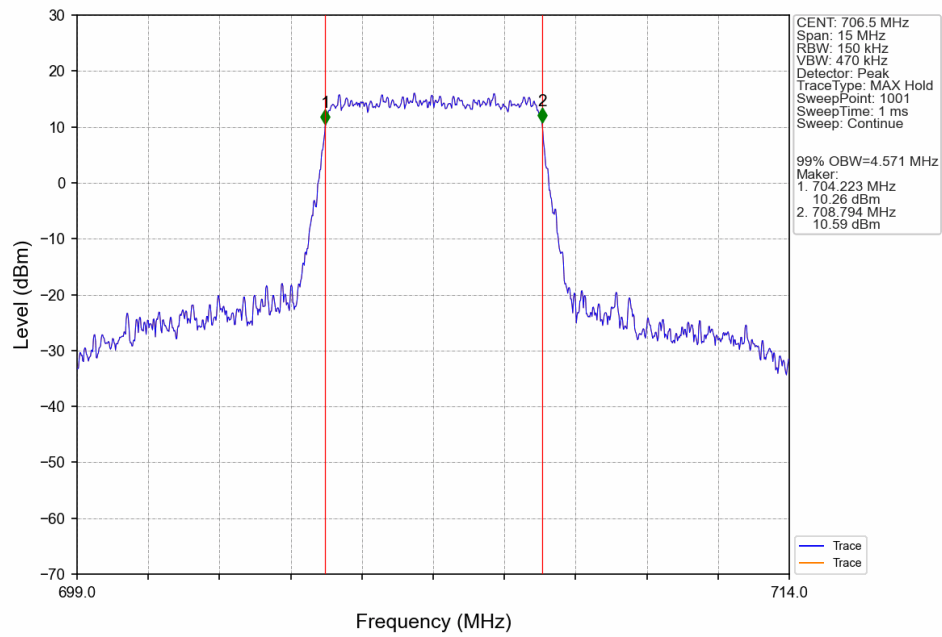
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



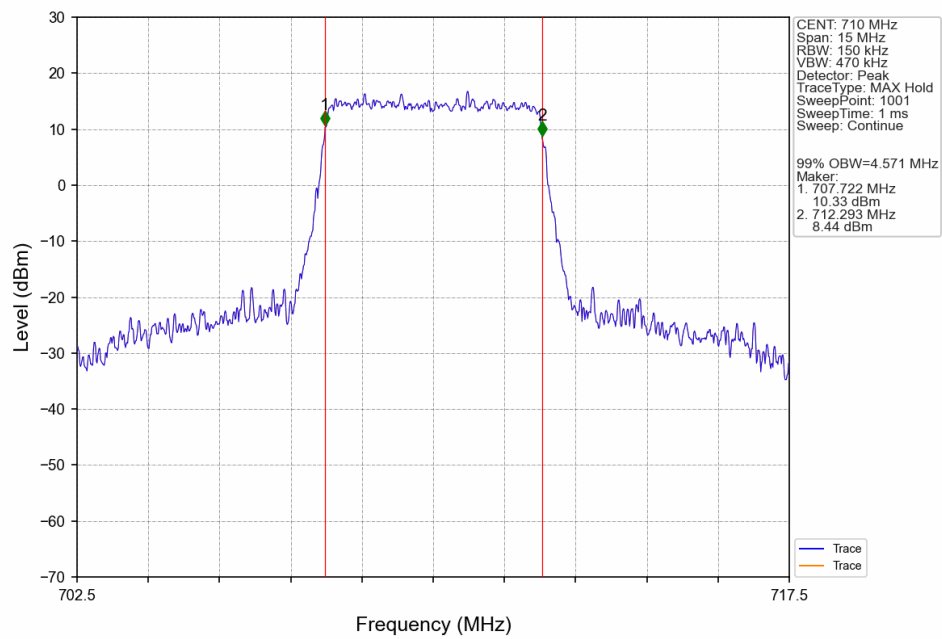
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



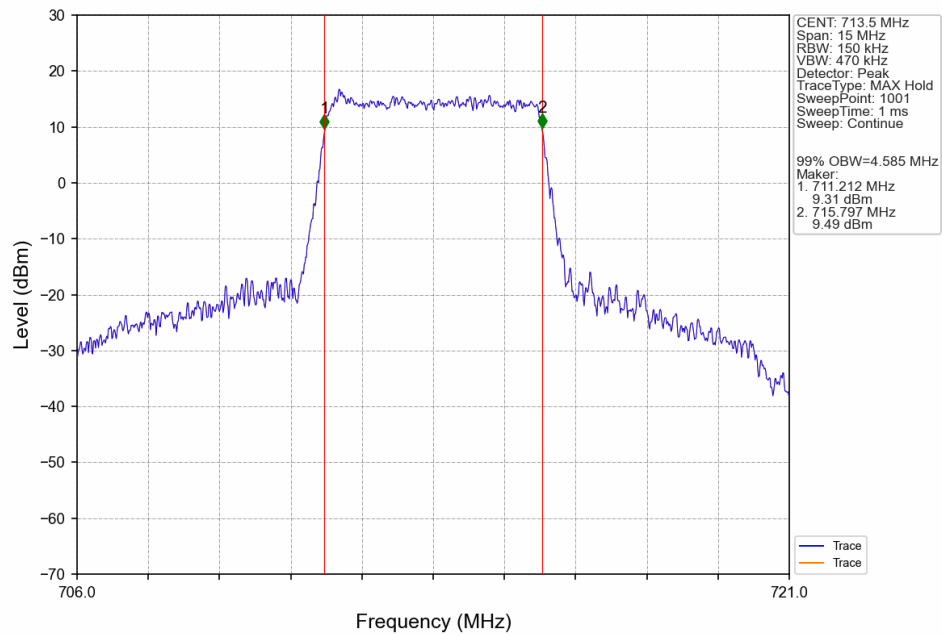
Band17 5MHz 64QAM LCH 706.5MHz RB 25 0 NTNV



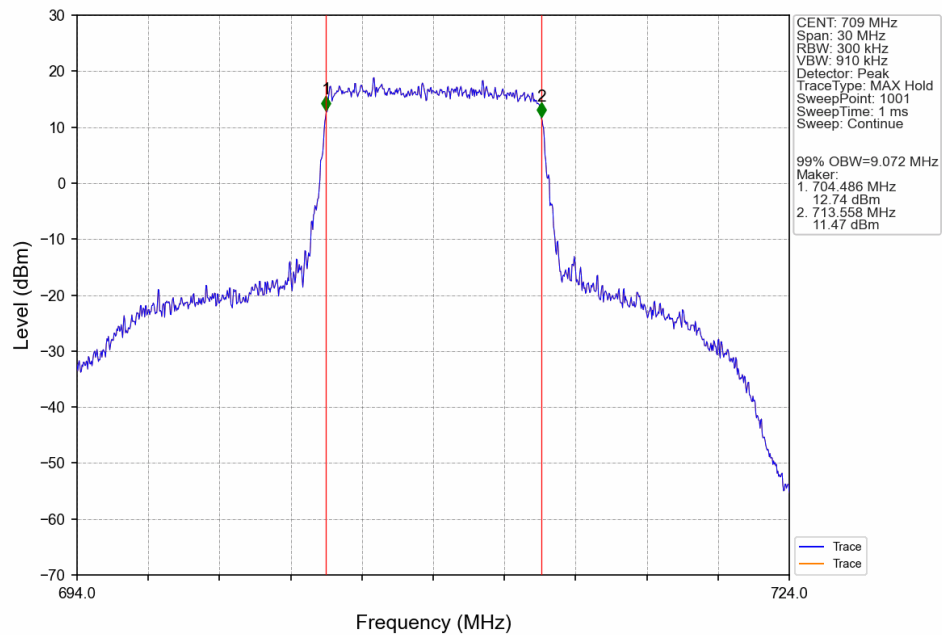
Band17 5MHz 64QAM MCH 710MHz RB 25 0 NTNV



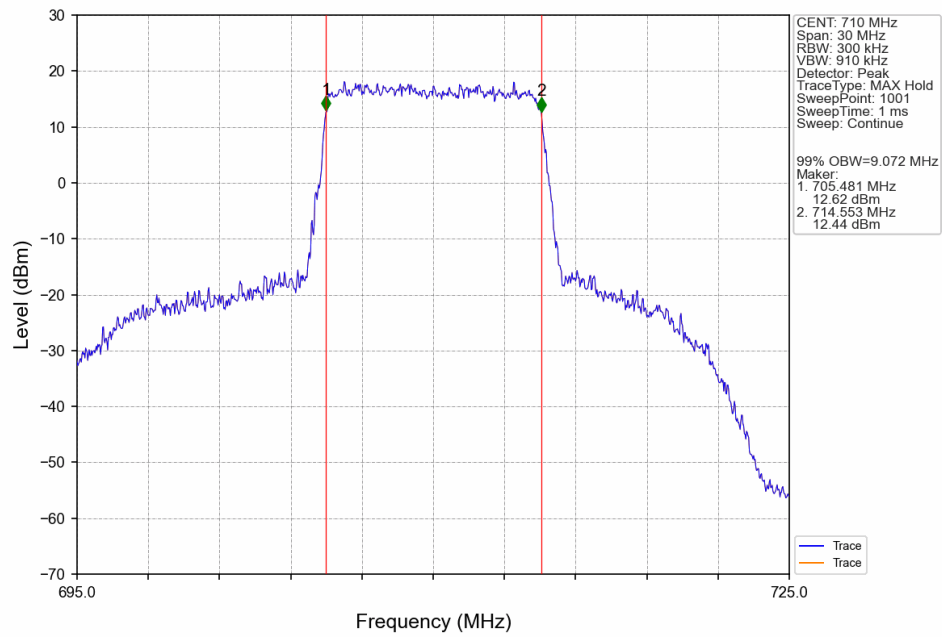
Band17 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



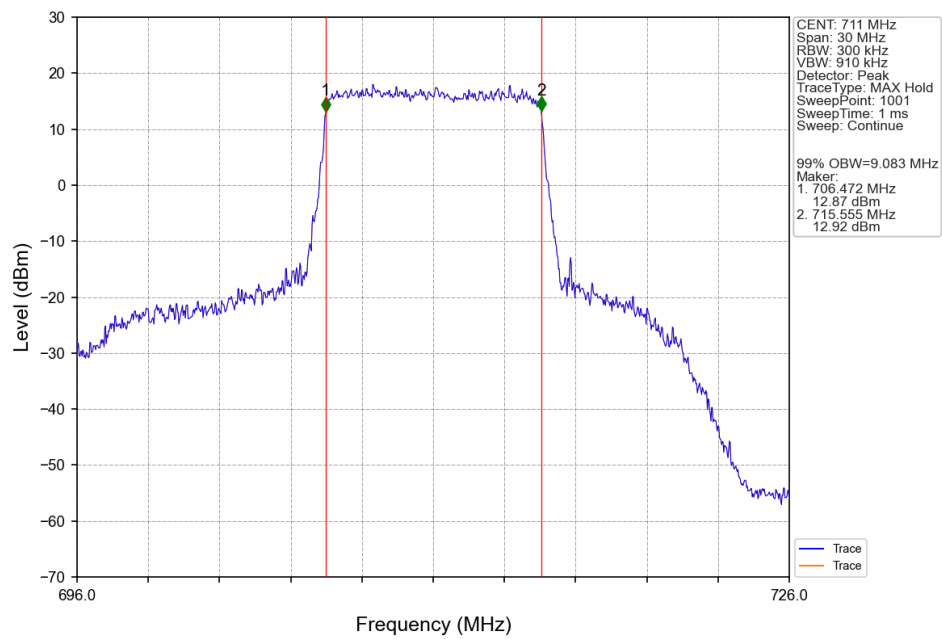
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



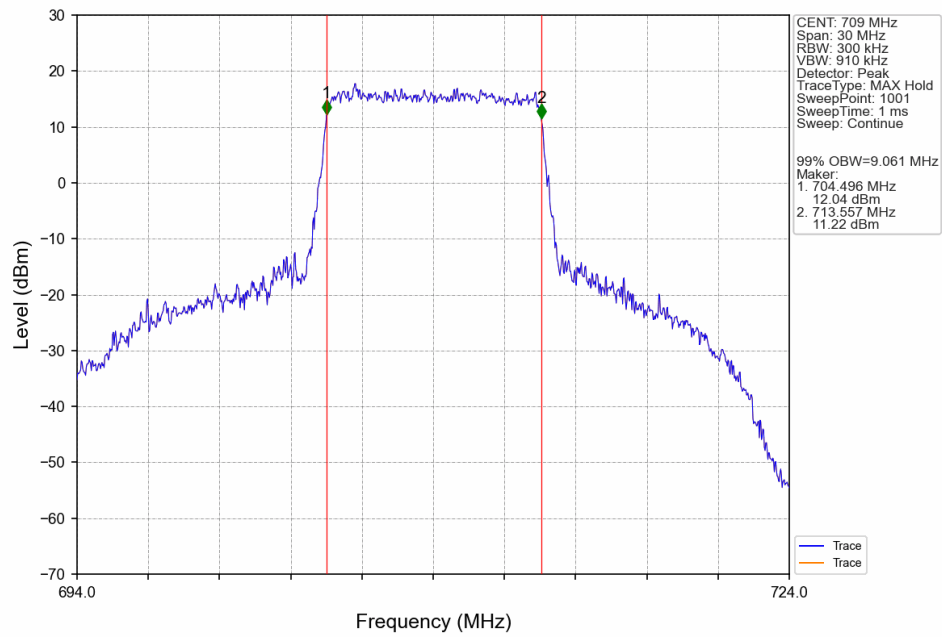
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



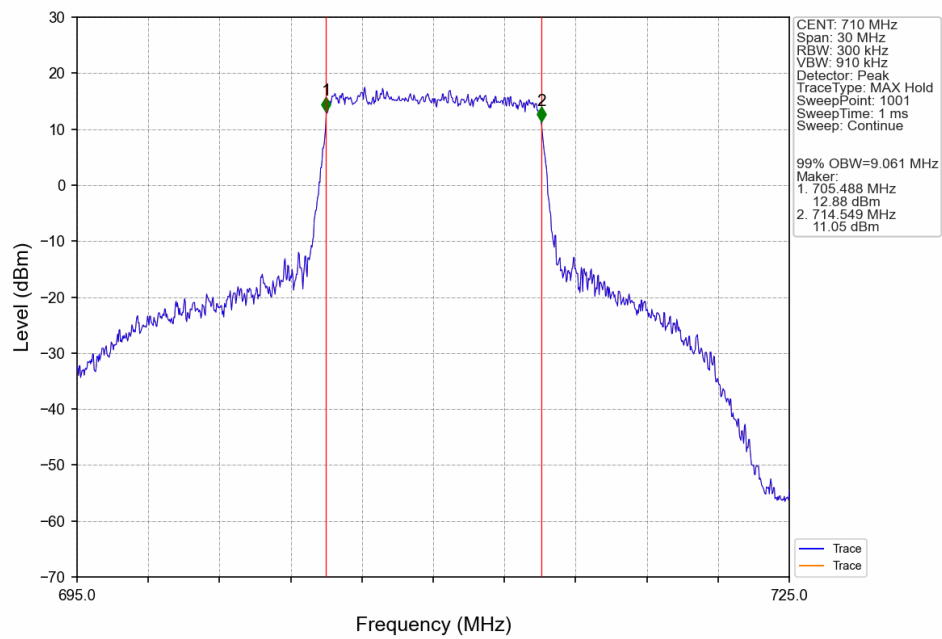
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



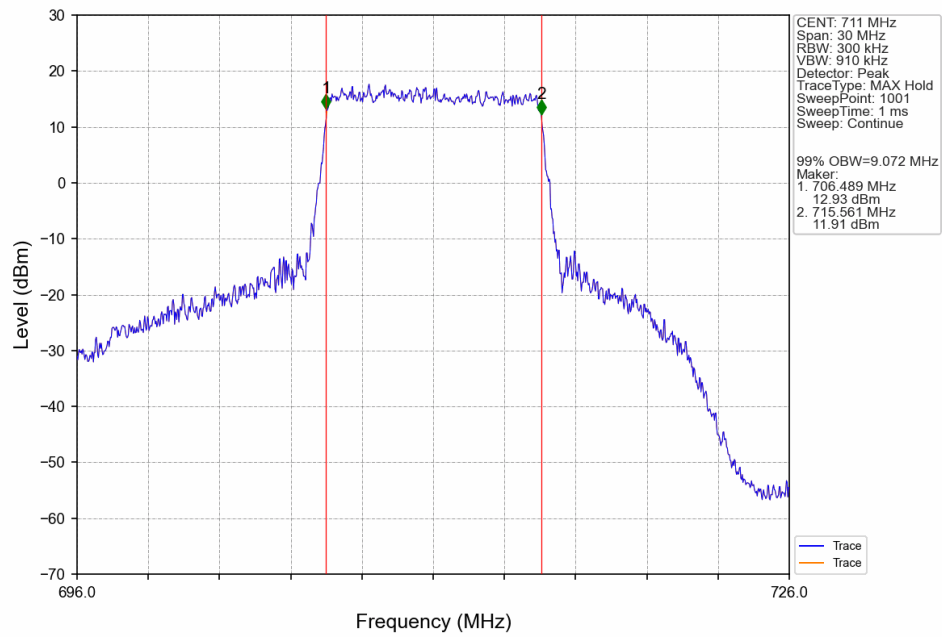
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



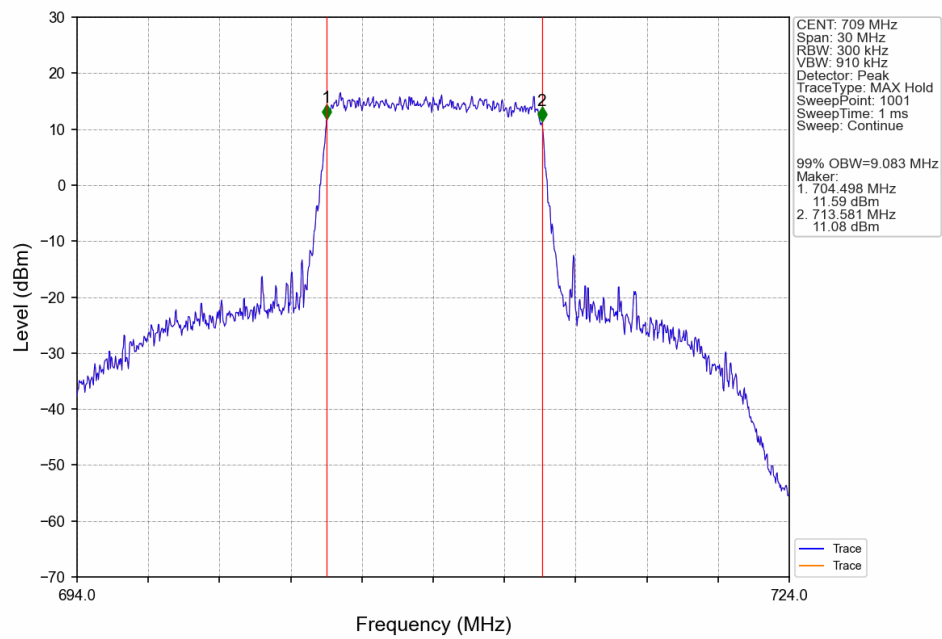
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



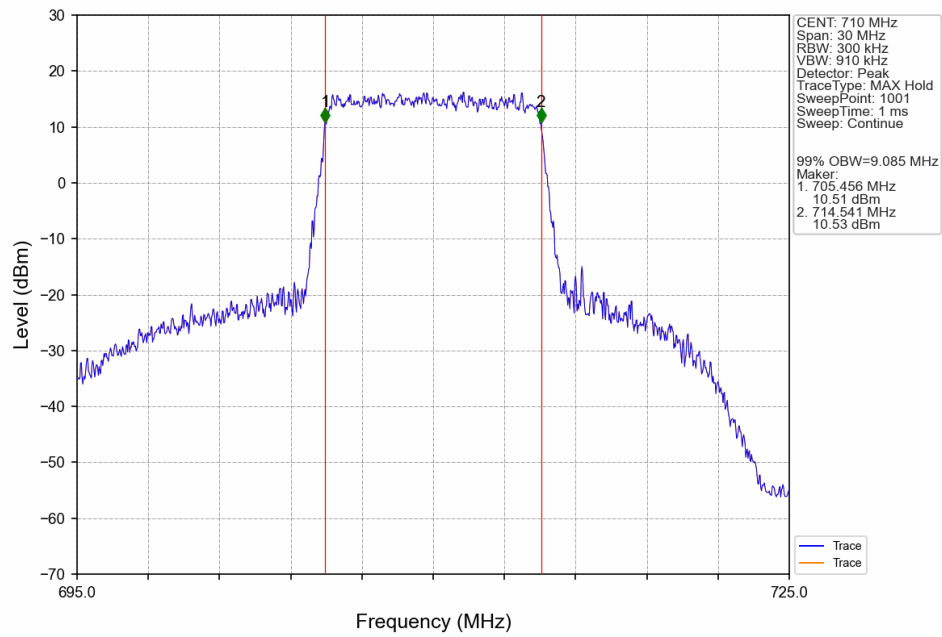
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



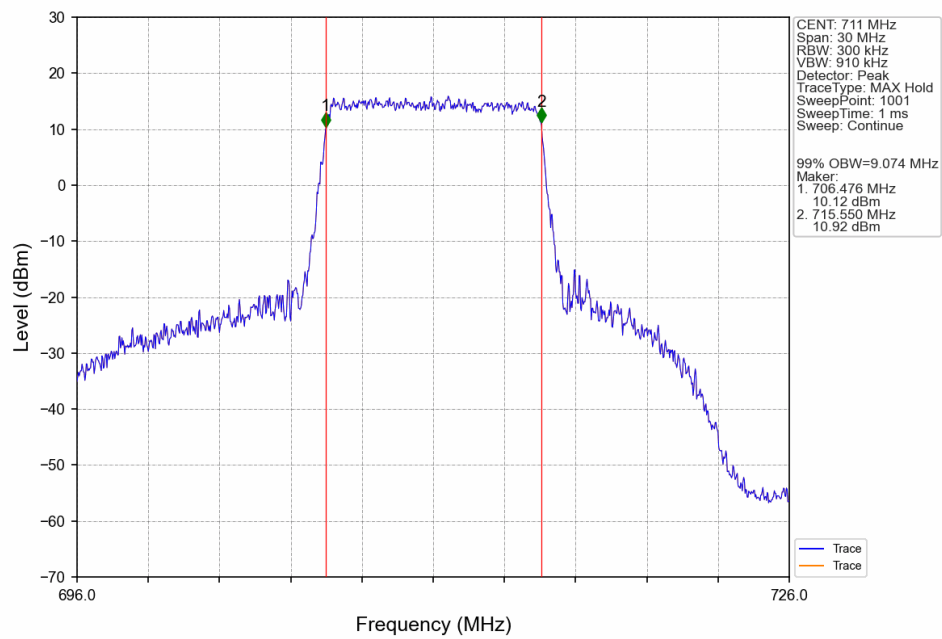
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



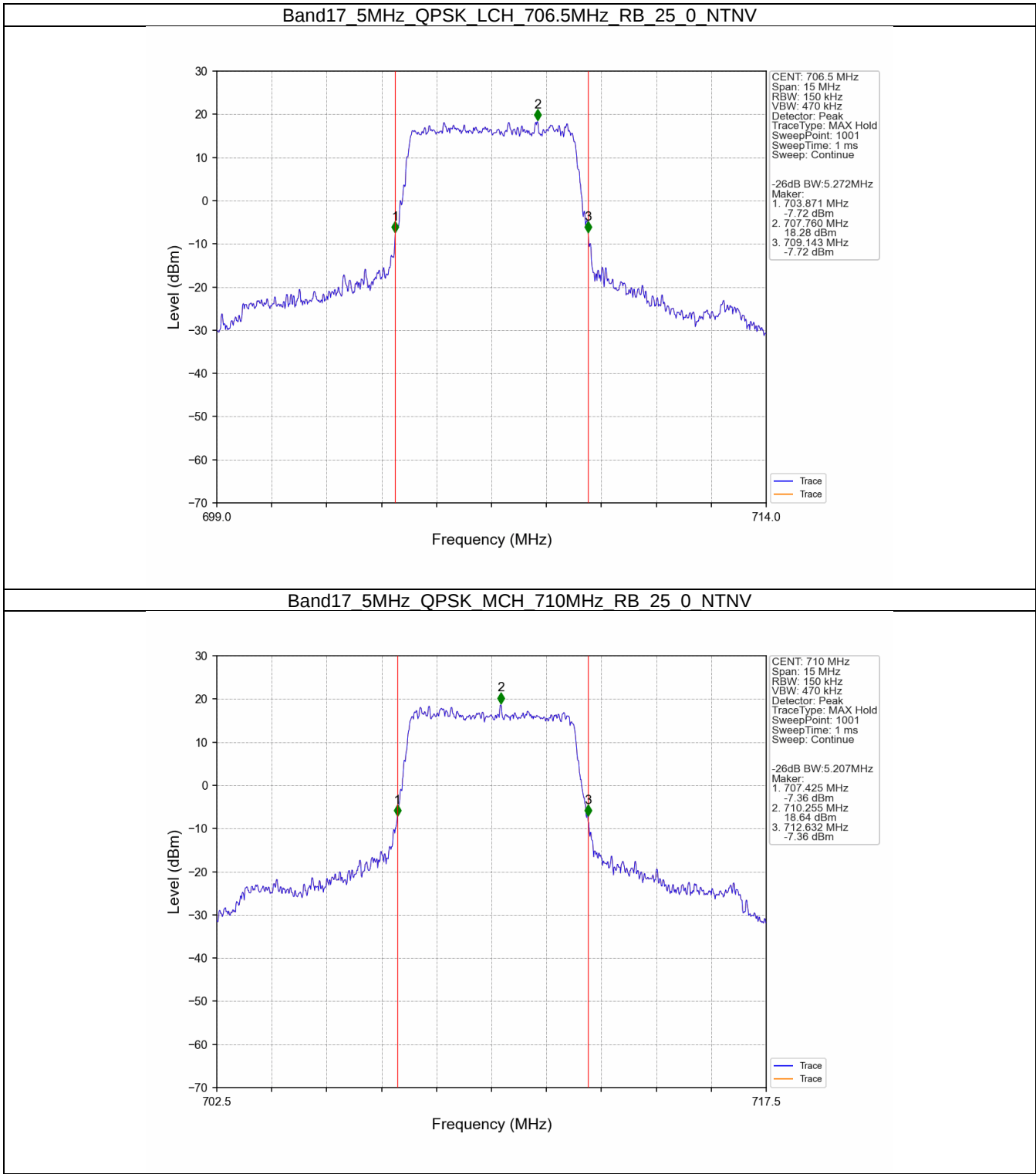
Band17 10MHz 64QAM MCH 710MHz RB 50 0 NTNV



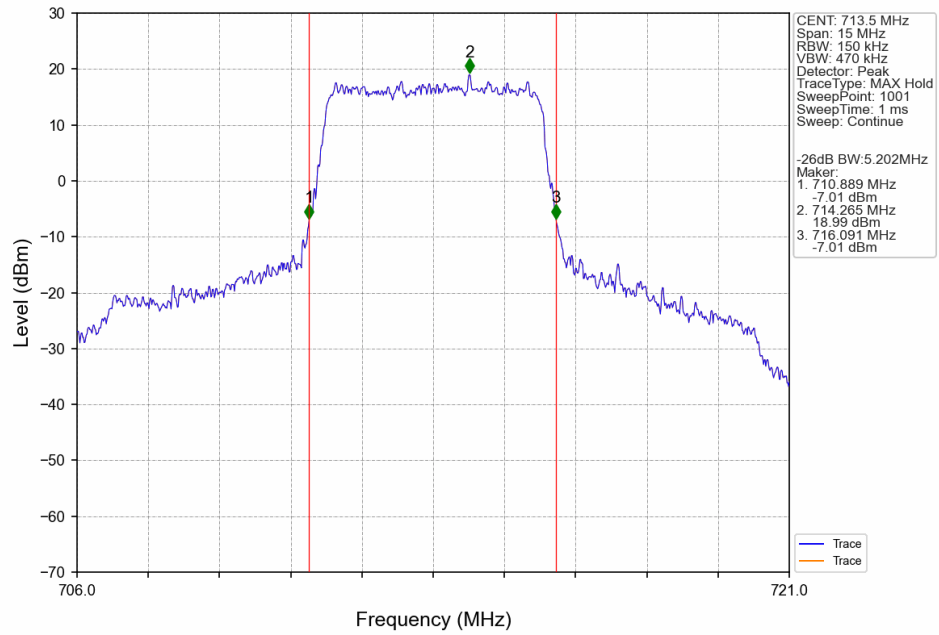
Band17 10MHz 64QAM HCH 711MHz RB 50 0 NTNV



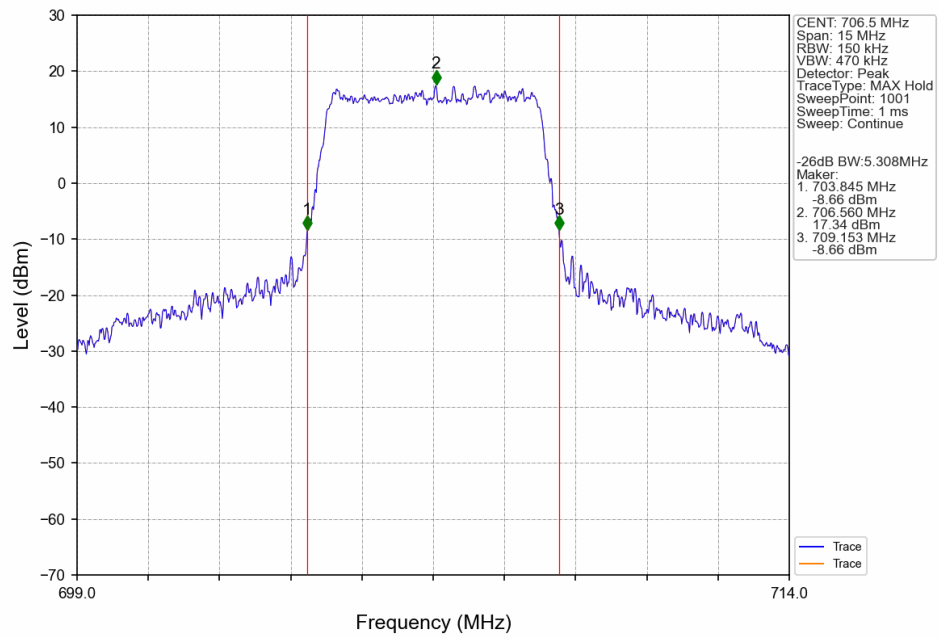
3.2.2 Band17_XDB



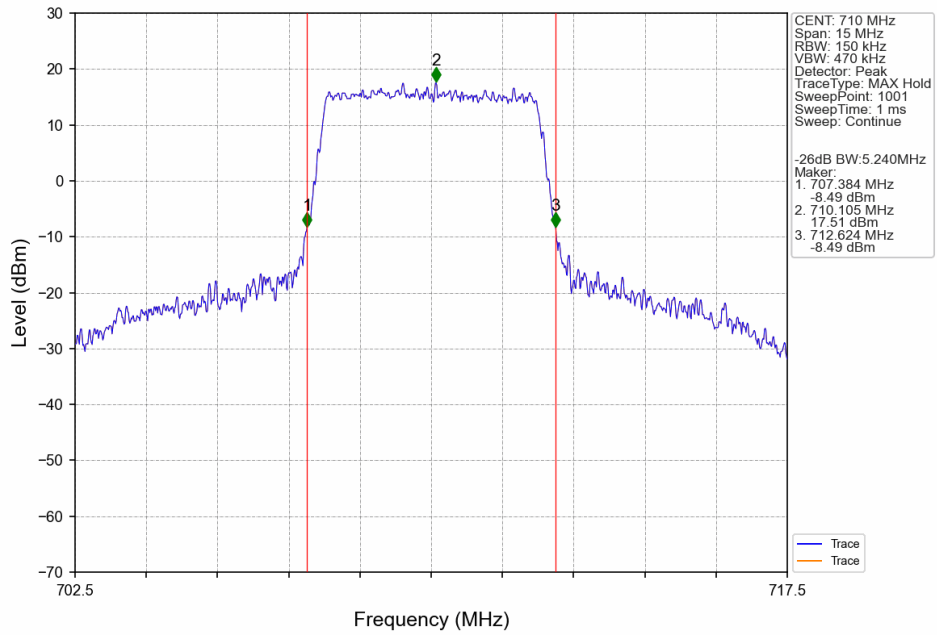
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



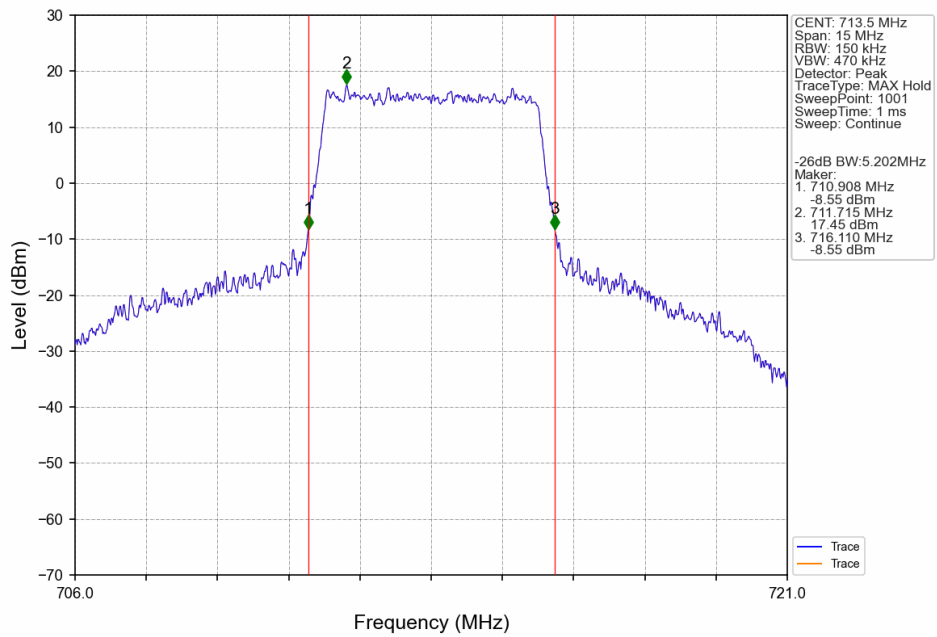
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



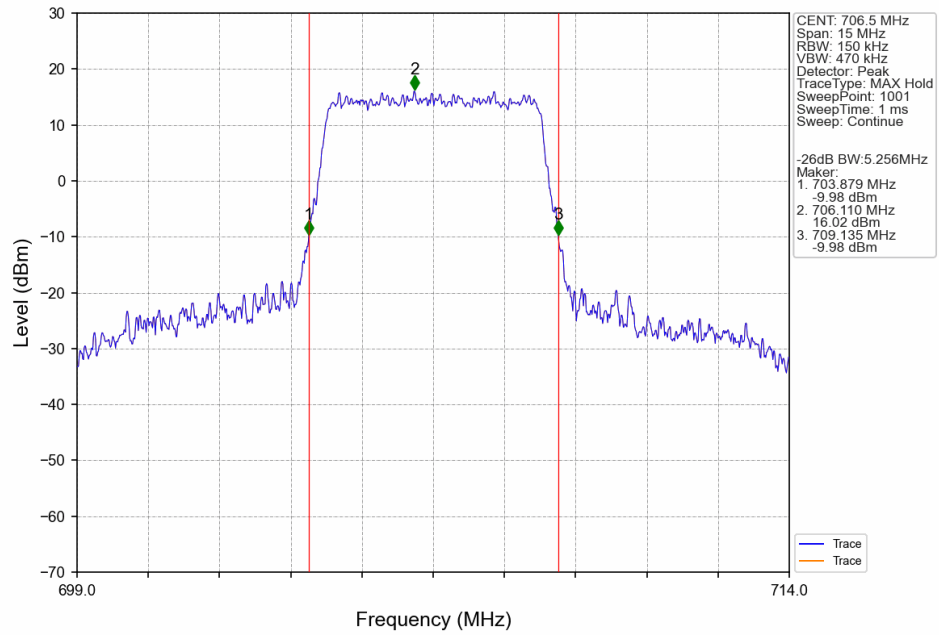
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



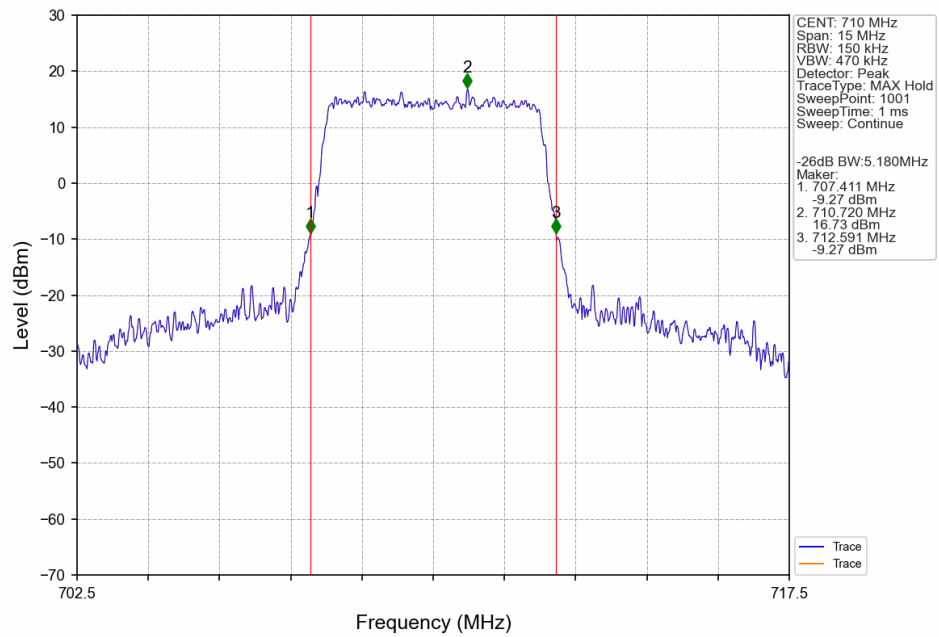
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



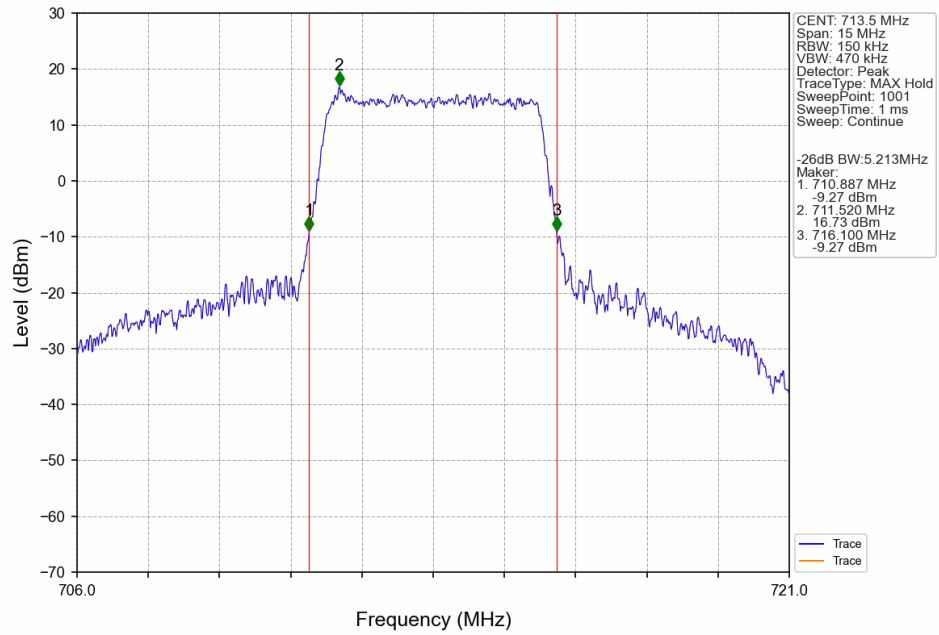
Band17 5MHz 64QAM LCH 706.5MHz RB 25 0 NTNV



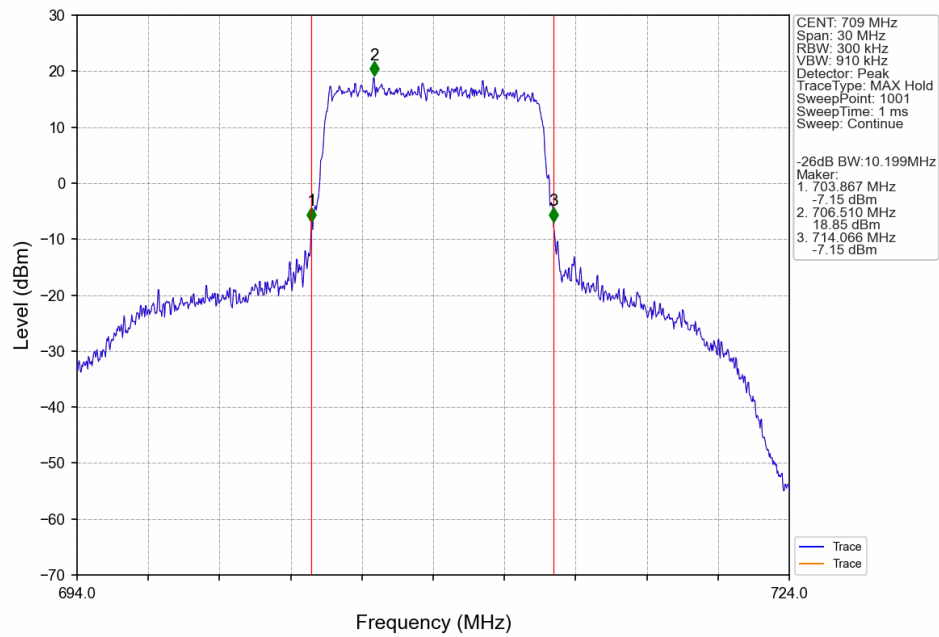
Band17 5MHz 64QAM MCH 710MHz RB 25 0 NTNV



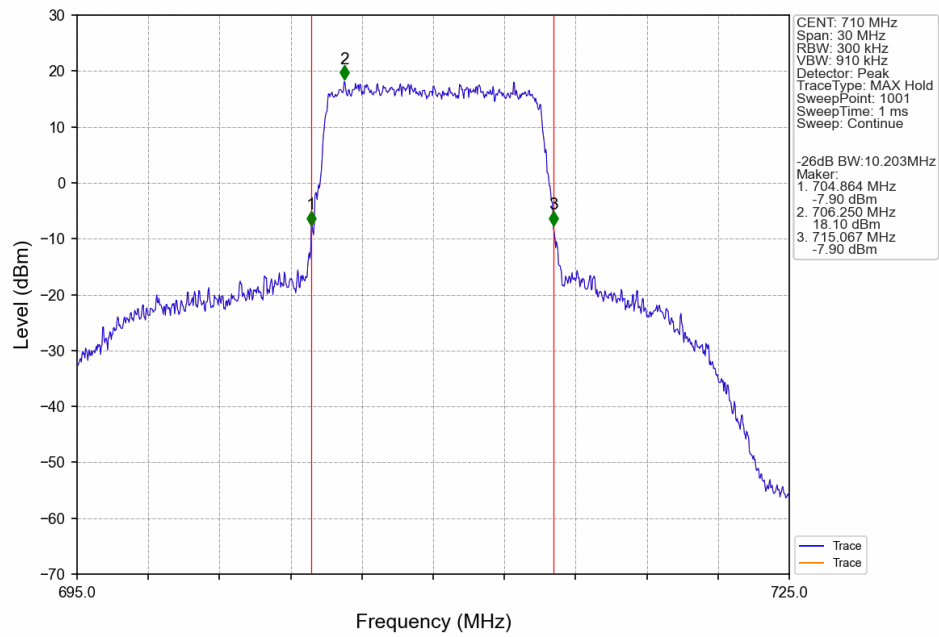
Band17 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



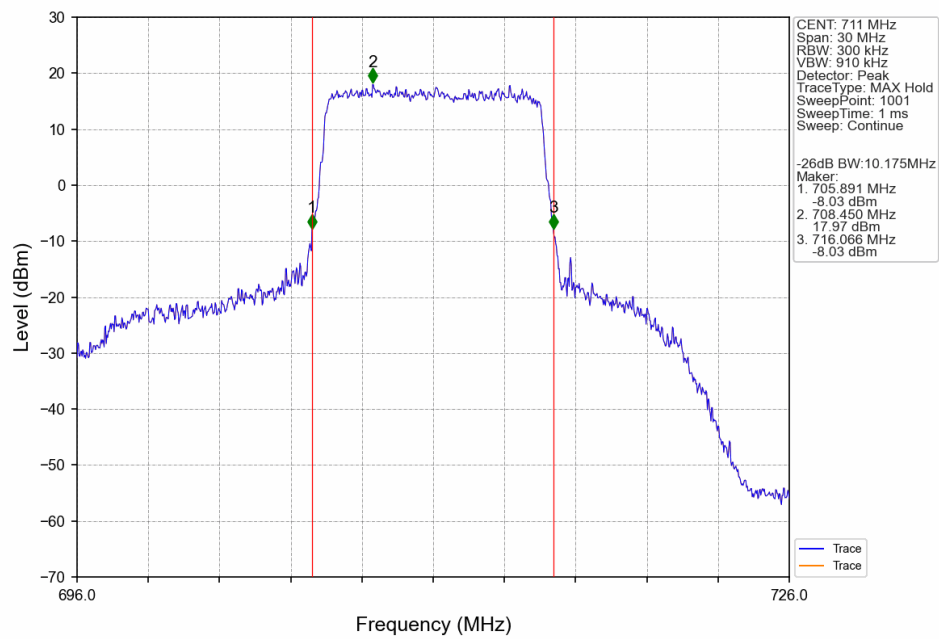
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



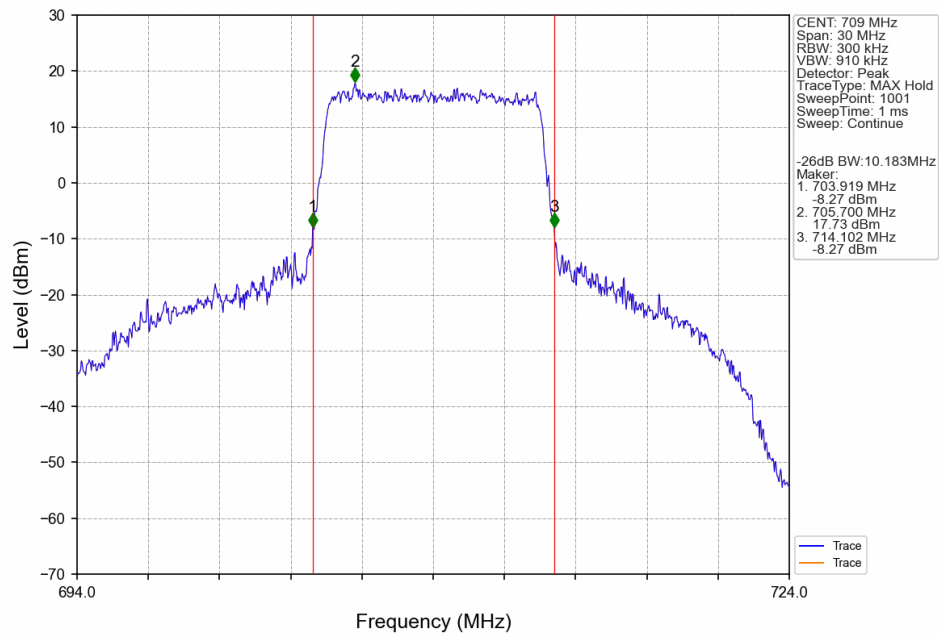
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



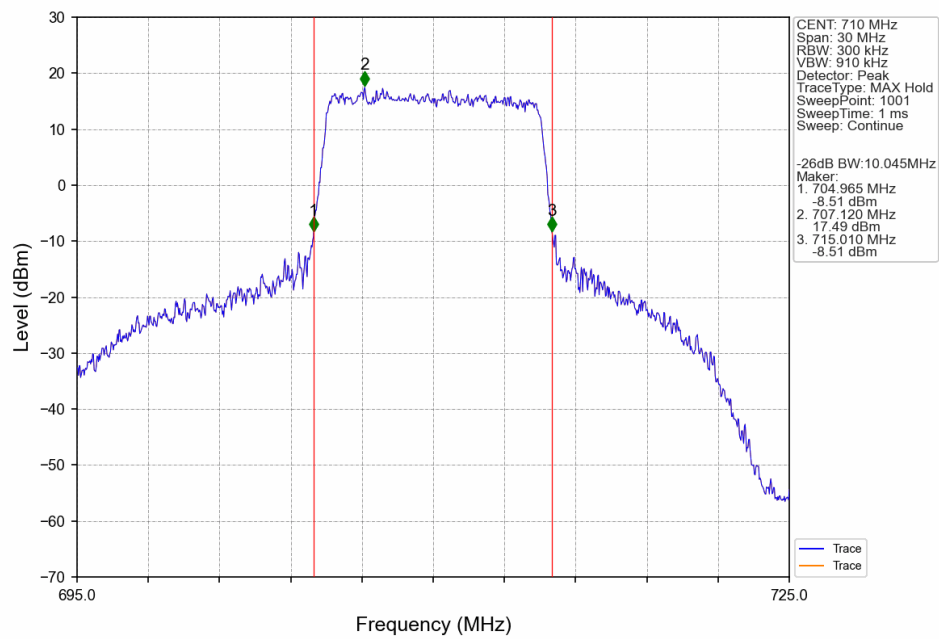
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



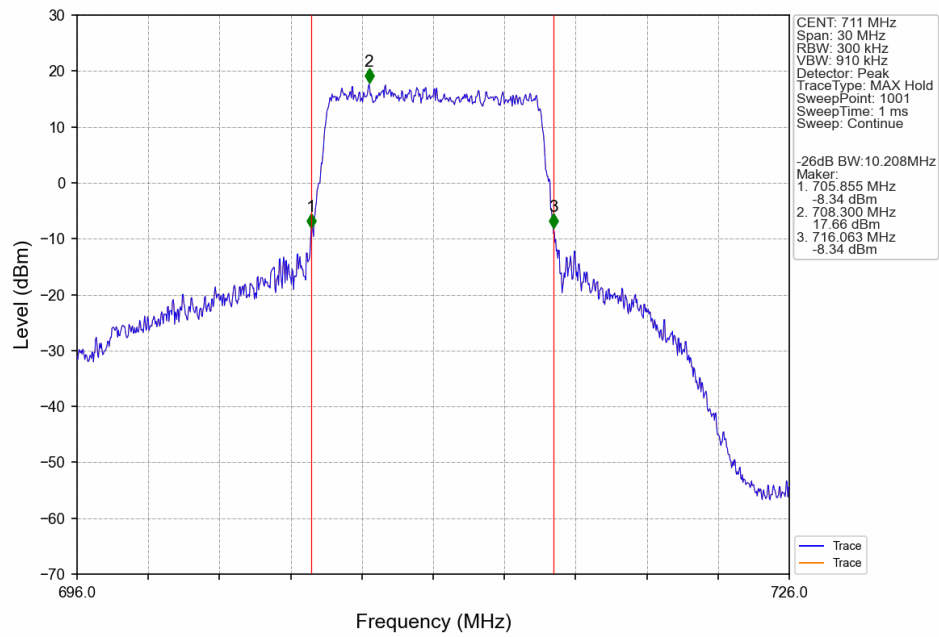
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



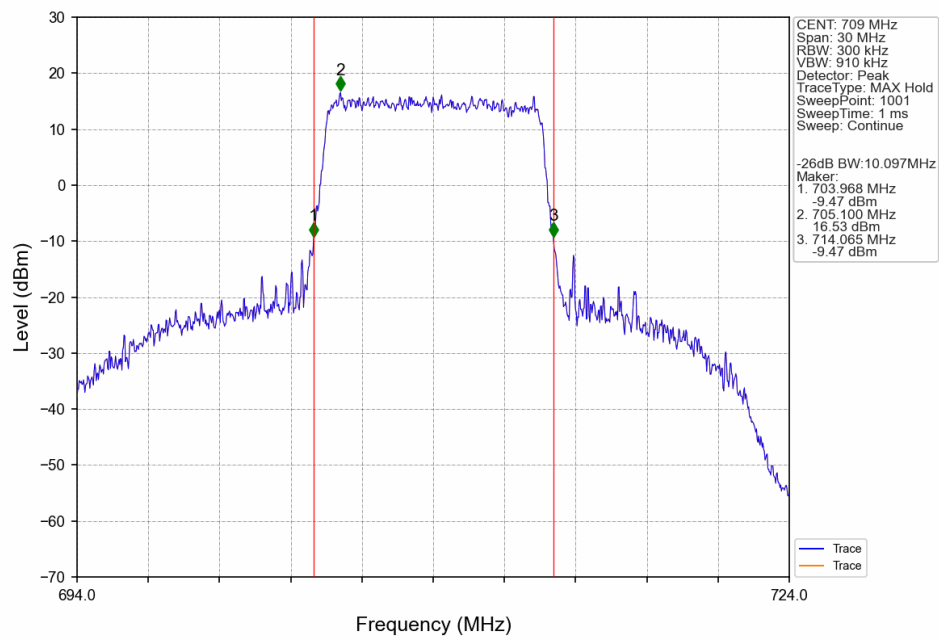
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



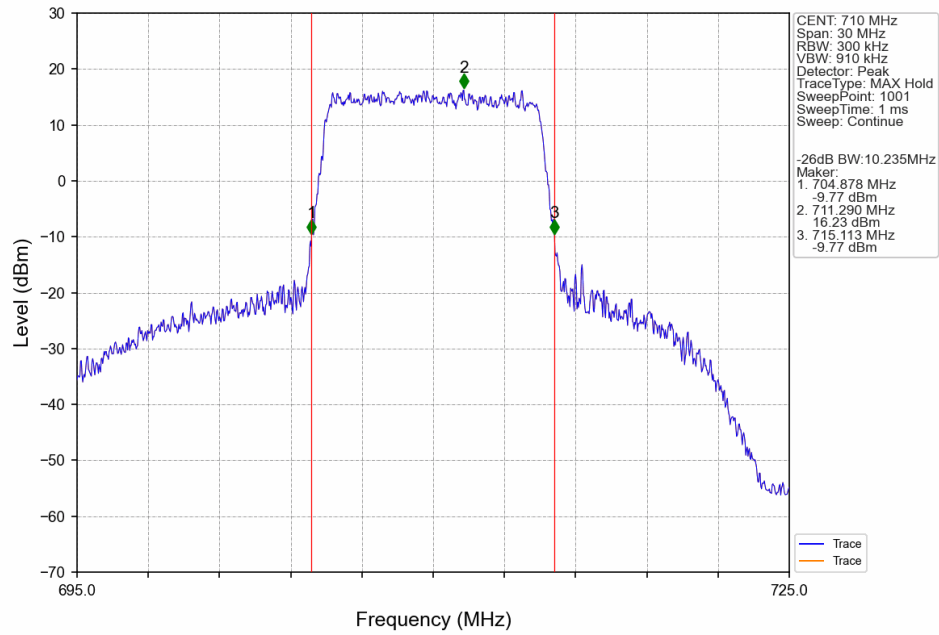
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



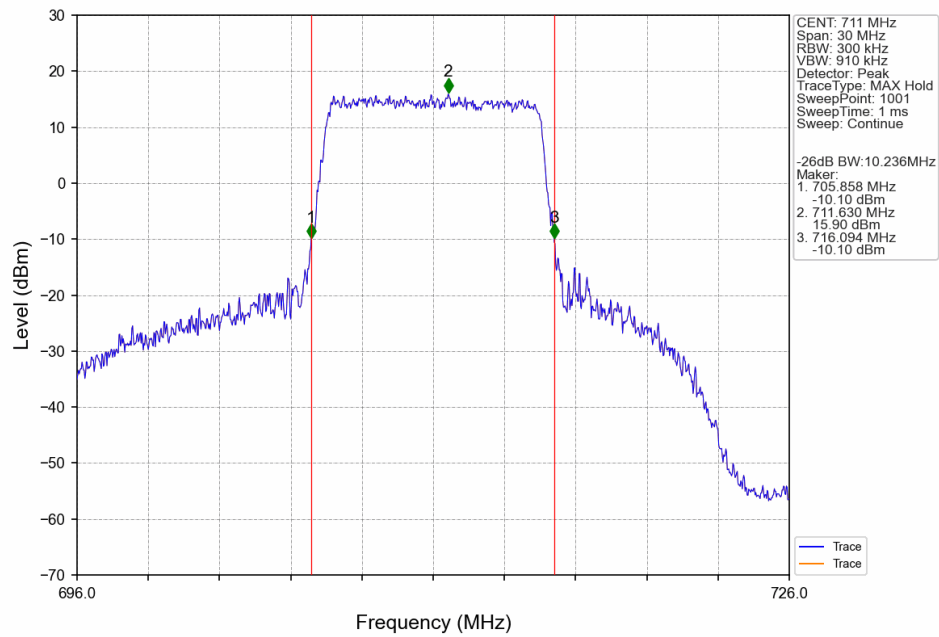
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17 10MHz 64QAM MCH 710MHz RB 50 0 NTV



Band17 10MHz 64QAM HCH 711MHz RB 50 0 NTV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B17_5MHz

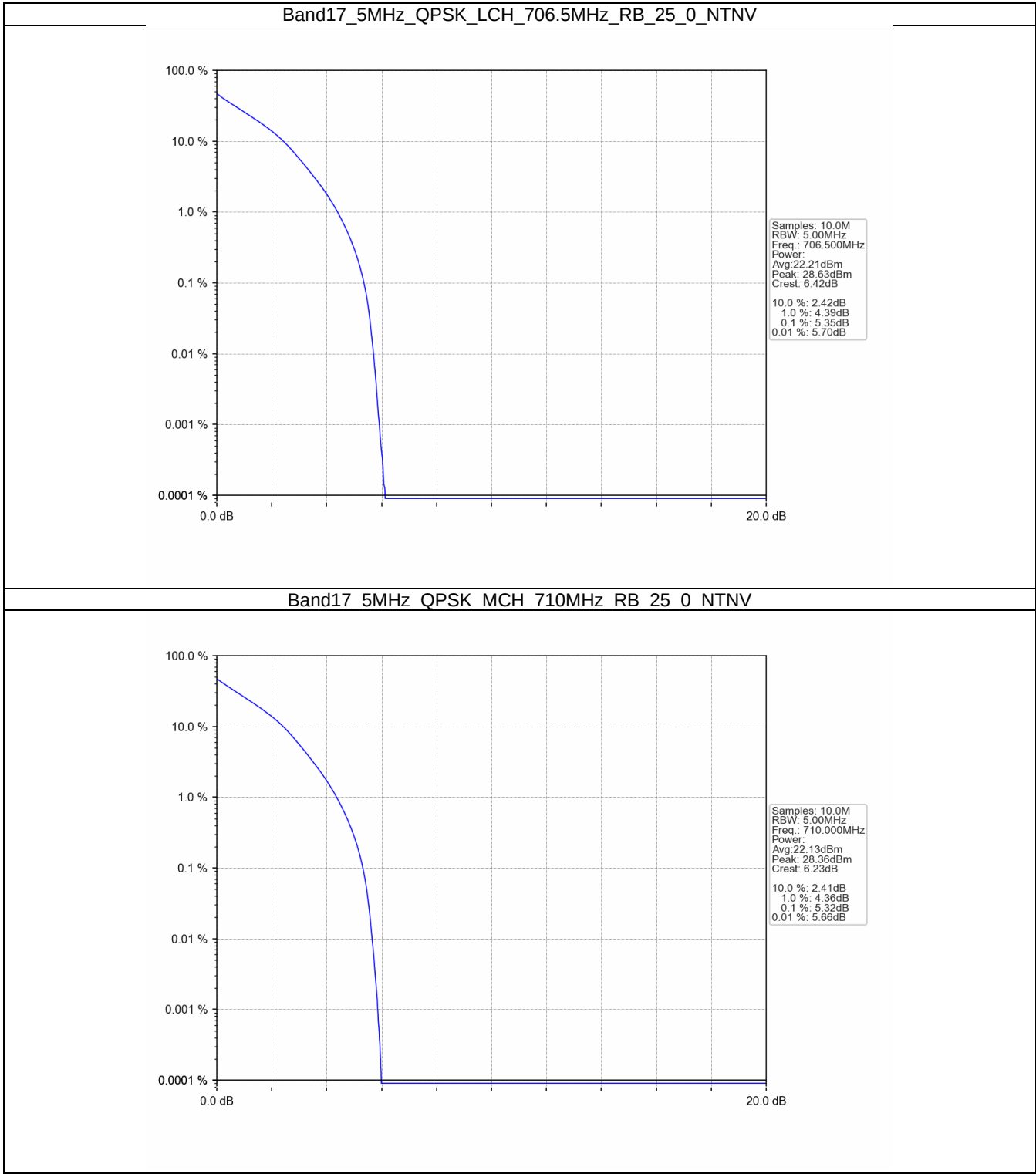
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.35	<=13	Pass
	710	25	0	5.32	<=13	Pass
	713.5	25	0	5.06	<=13	Pass
16QAM	706.5	25	0	6.21	<=13	Pass
	710	25	0	6.16	<=13	Pass
	713.5	25	0	5.84	<=13	Pass
64QAM	706.5	25	0	6.60	<=13	Pass
	710	25	0	6.56	<=13	Pass
	713.5	25	0	6.29	<=13	Pass

4.1.2 B17_10MHz

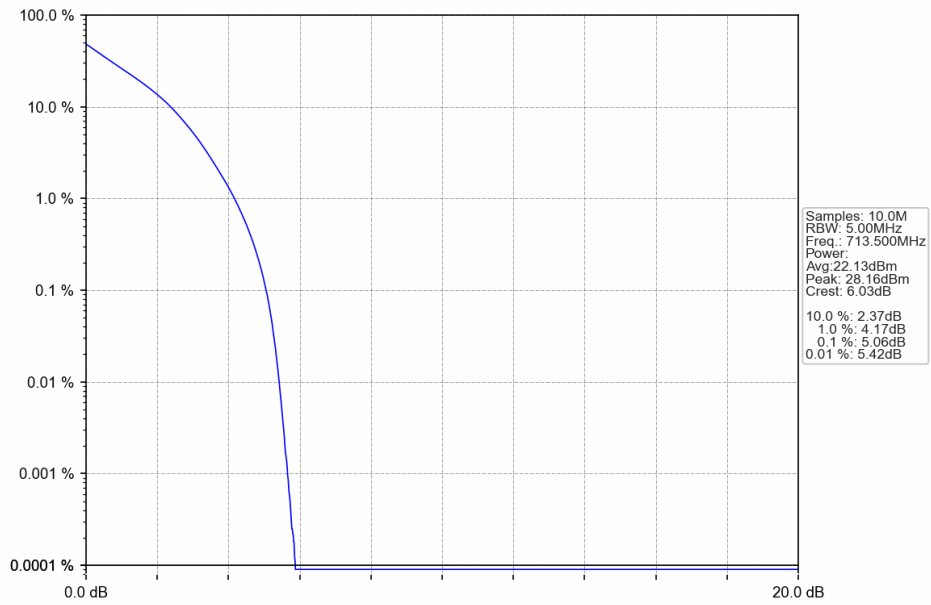
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.19	<=13	Pass
	710	50	0	5.19	<=13	Pass
	711	50	0	5.21	<=13	Pass
16QAM	709	50	0	6.05	<=13	Pass
	710	50	0	6.04	<=13	Pass
	711	50	0	6.03	<=13	Pass
64QAM	709	50	0	6.48	<=13	Pass
	710	50	0	6.45	<=13	Pass
	711	50	0	6.45	<=13	Pass

4.2 Test Graph

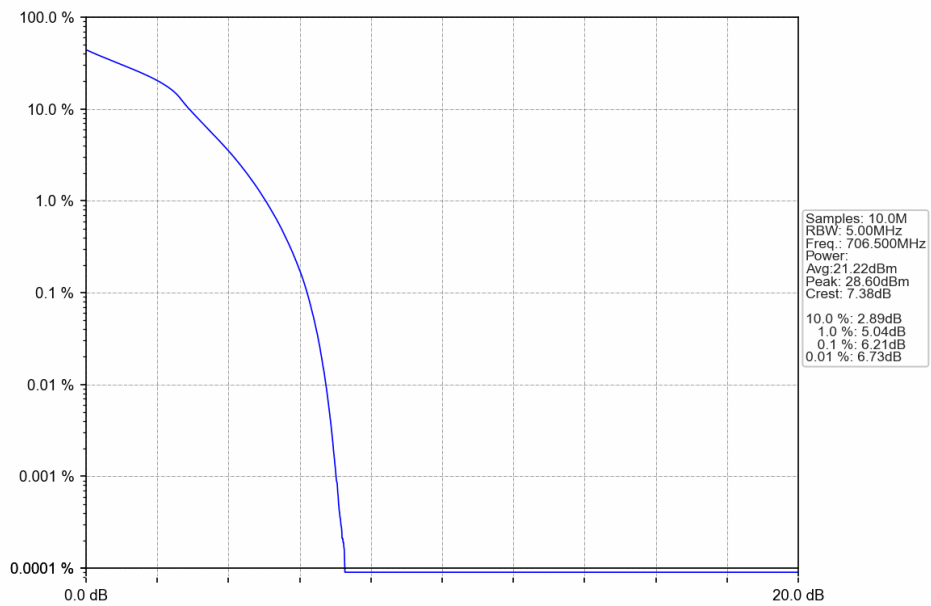
4.2.1 B17_5MHz



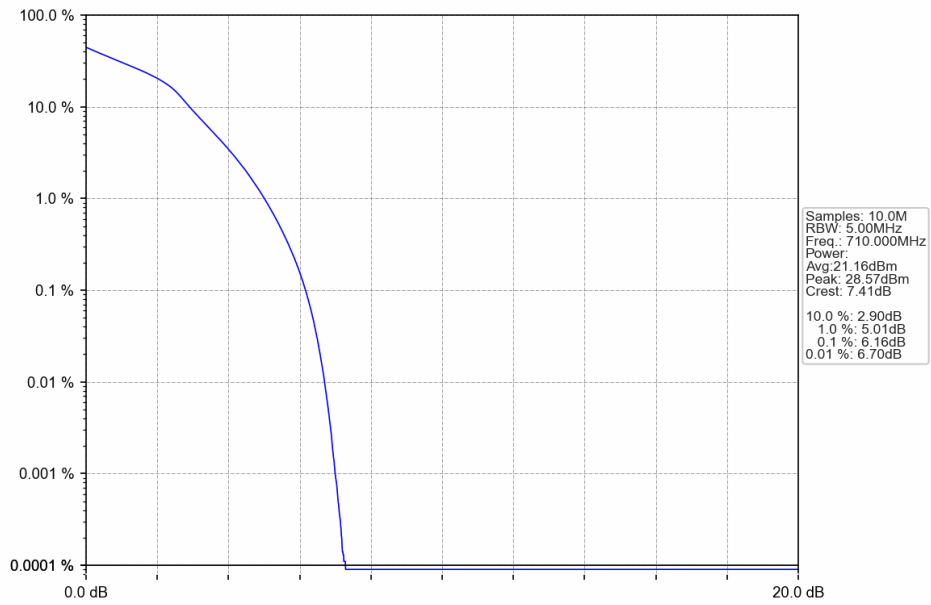
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



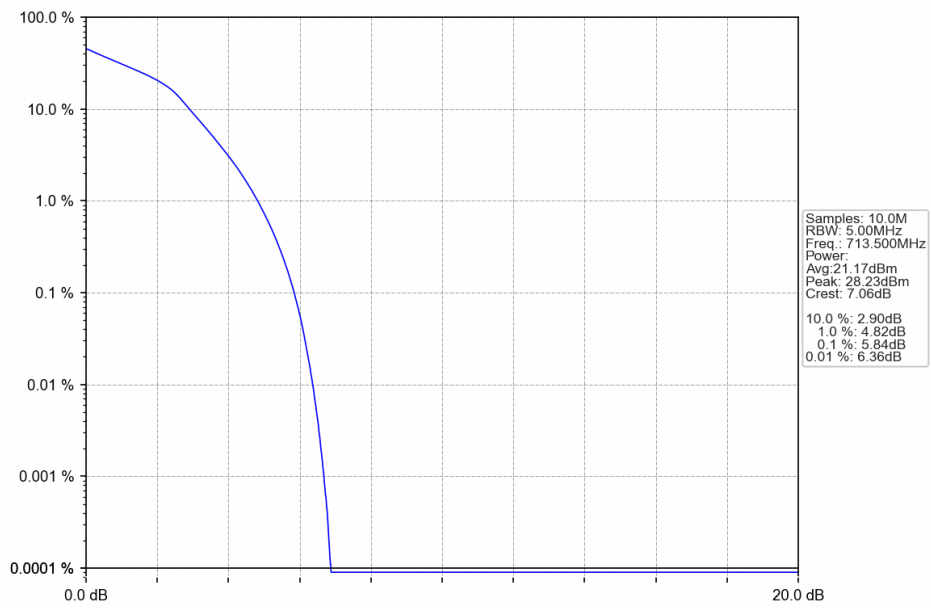
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



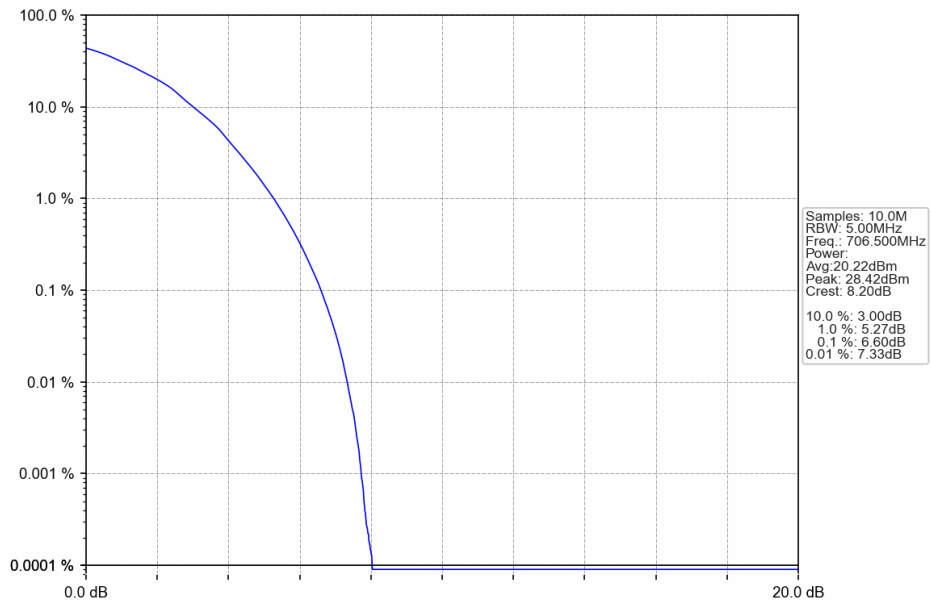
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



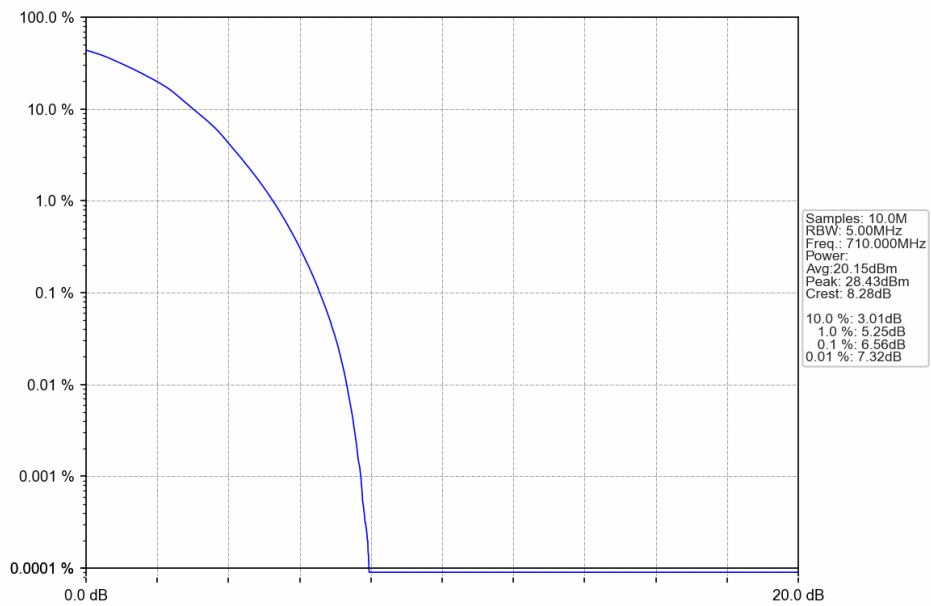
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

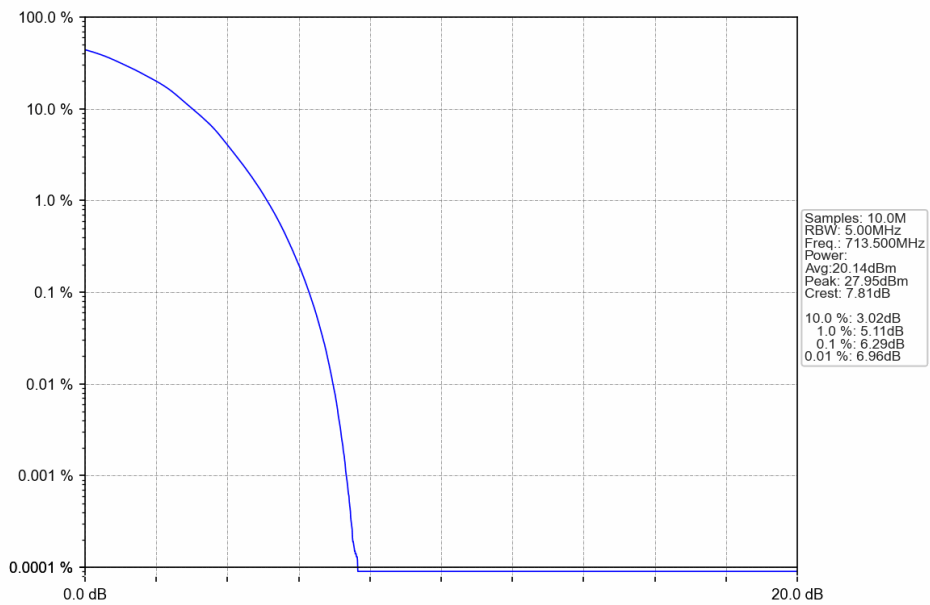


Band17 5MHz 64QAM LCH 706.5MHz RB 25 0 NTNV

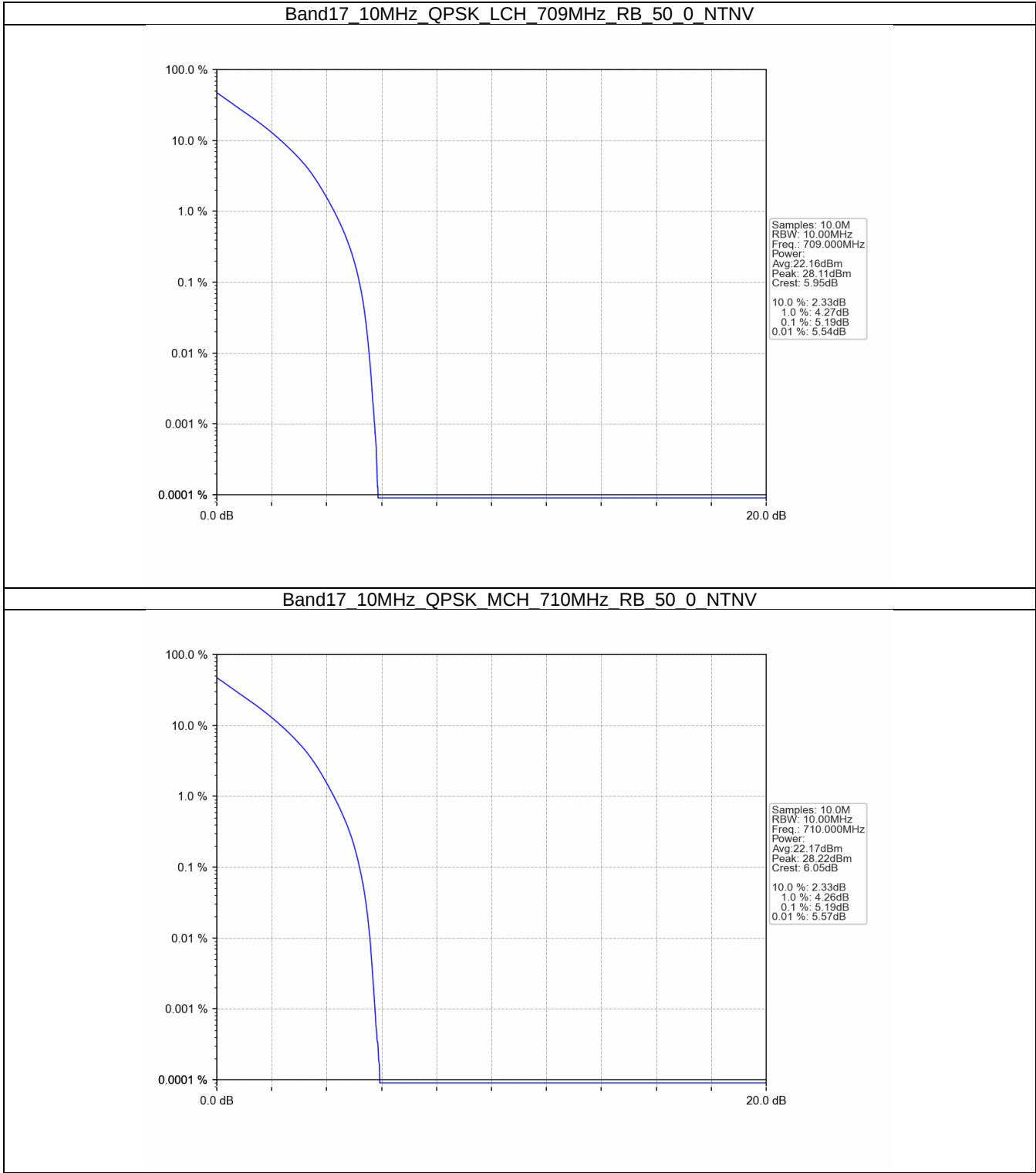


Band17 5MHz 64QAM MCH 710MHz RB 25 0 NTNV

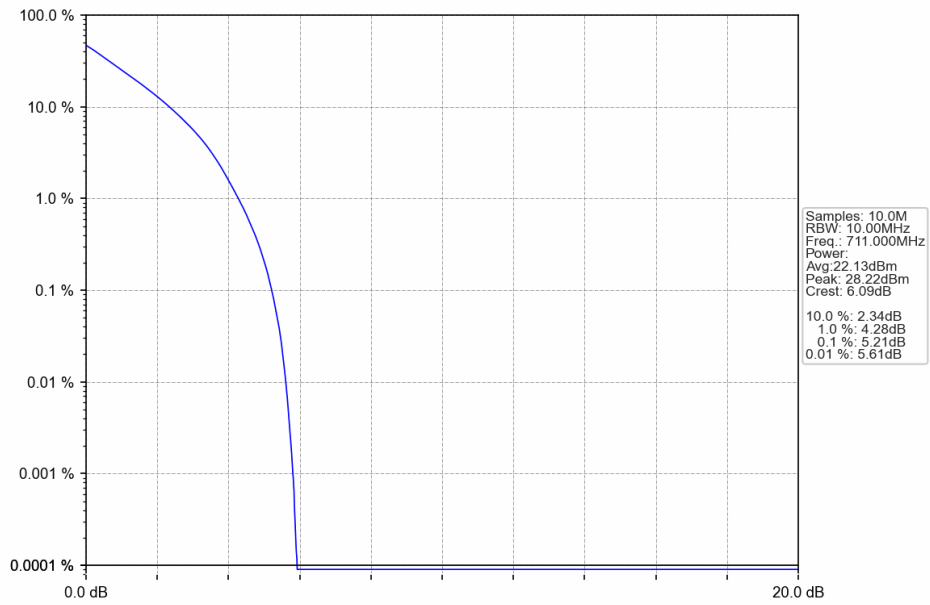




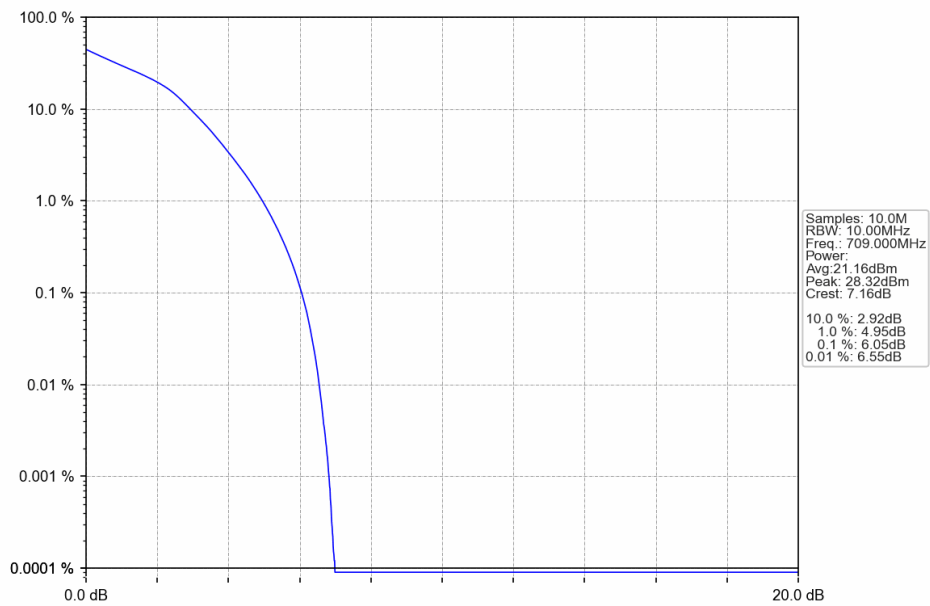
4.2.2 B17_10MHz



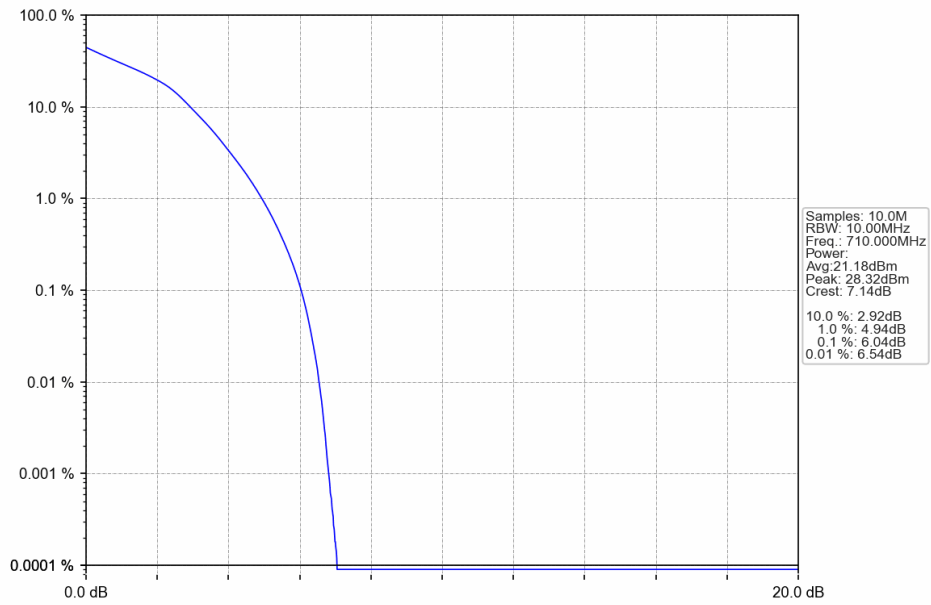
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



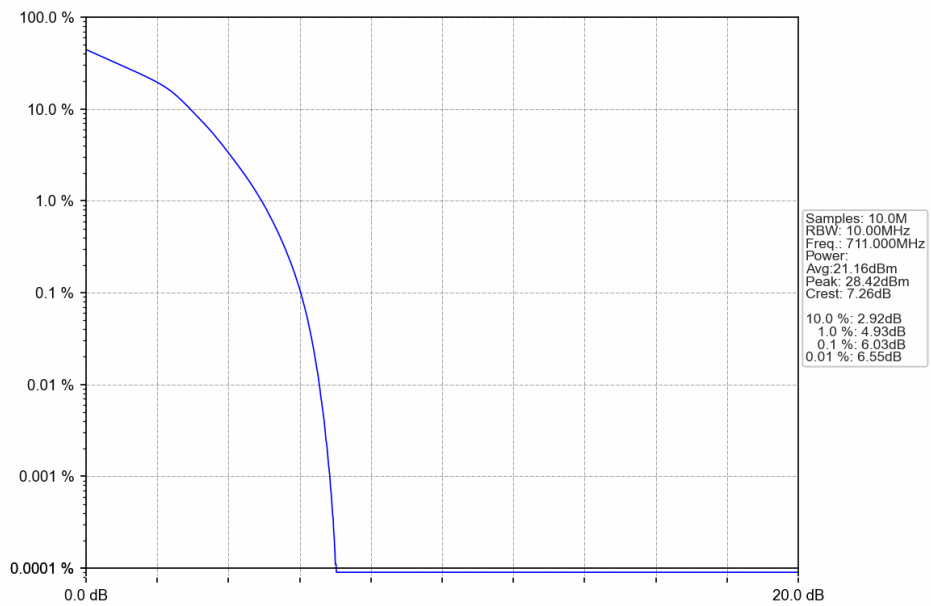
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



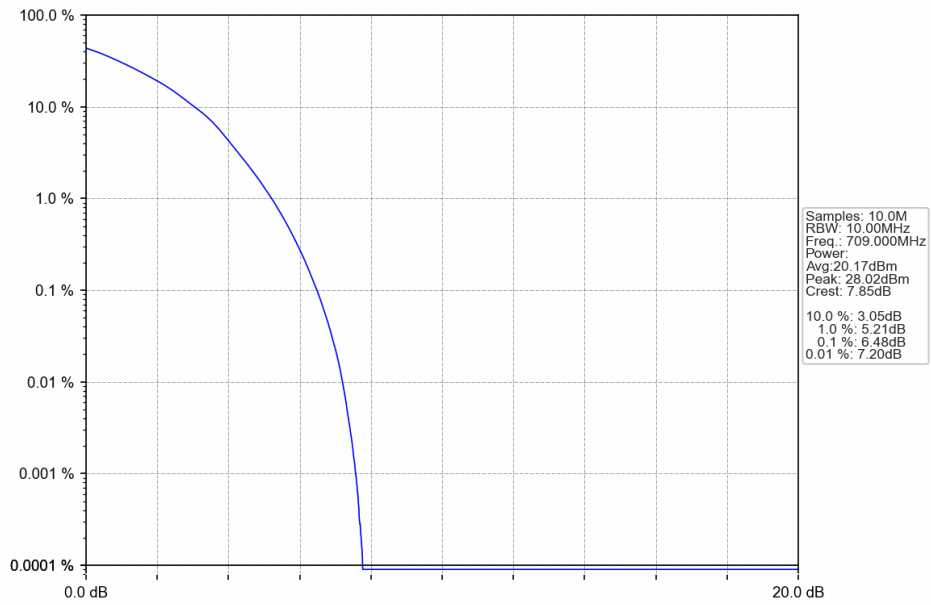
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



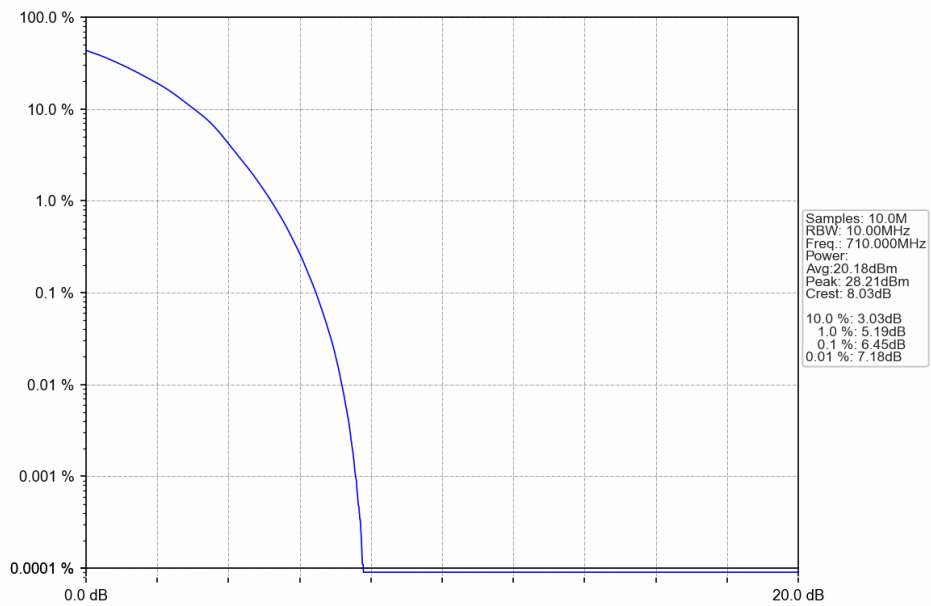
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



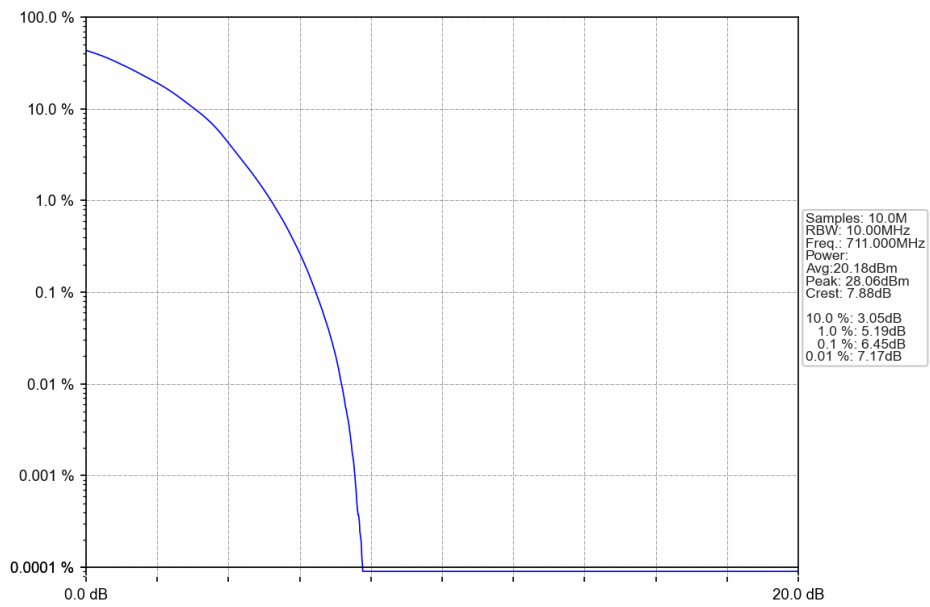
Band17 10MHz 64QAM LCH 709MHz RB 50 0 NTNV



Band17 10MHz 64QAM MCH 710MHz RB 50 0 NTNV



Band17 10MHz 64QAM HCH 711MHz RB 50 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B17_5MHz

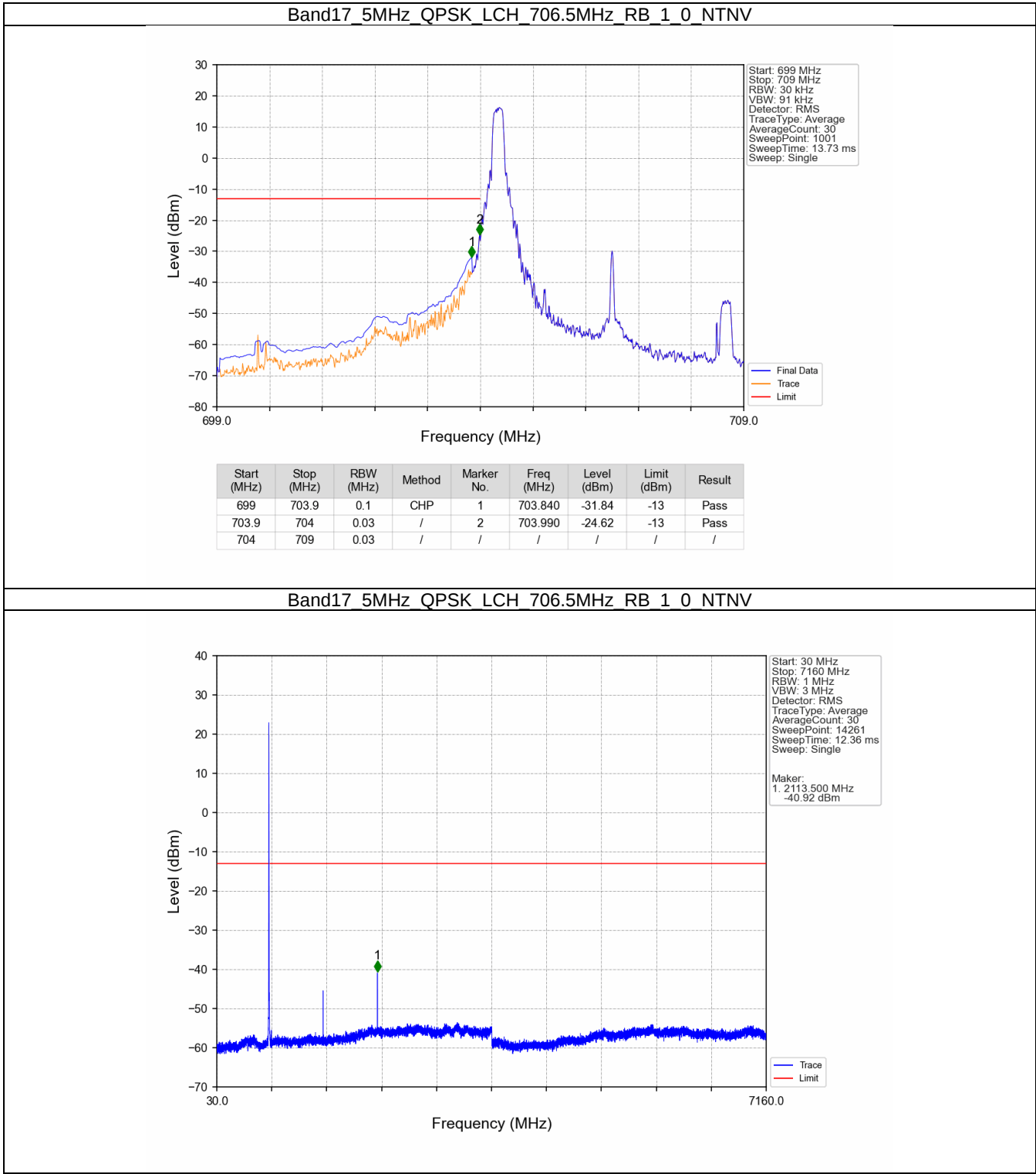
Band: 17 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test 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
64QAM	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

5.1.2 B17_10MHz

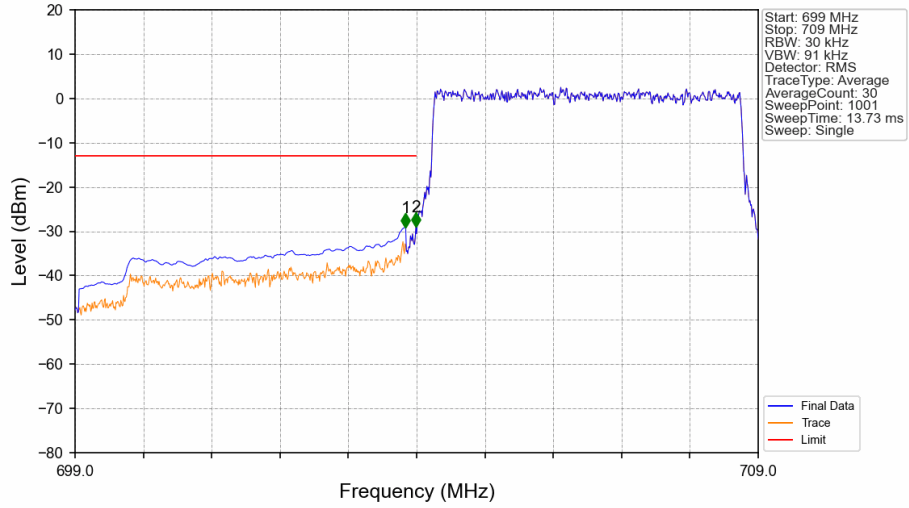
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		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
64QAM	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

5.2 Test Graph

5.2.1 B17_5MHz

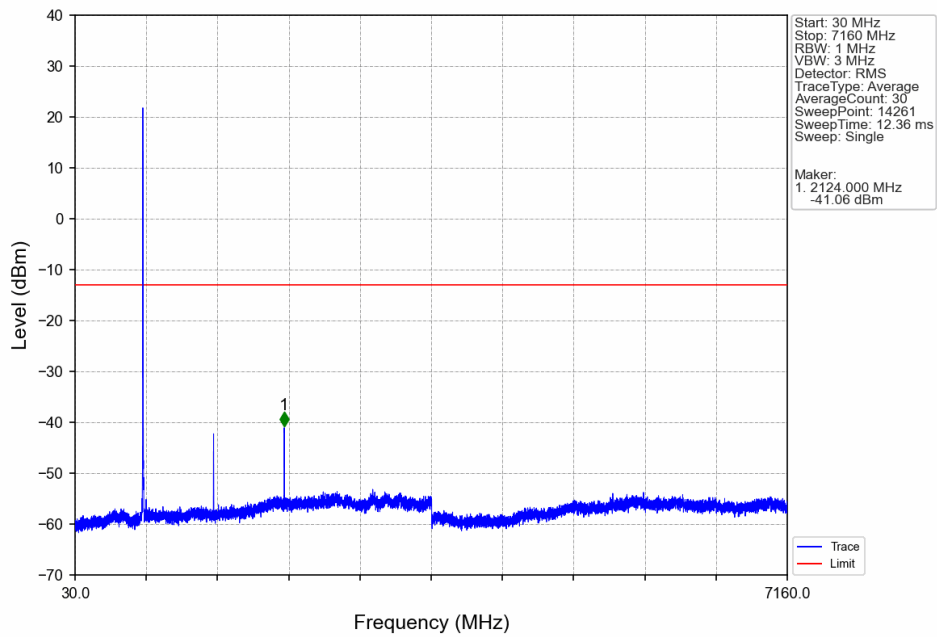


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

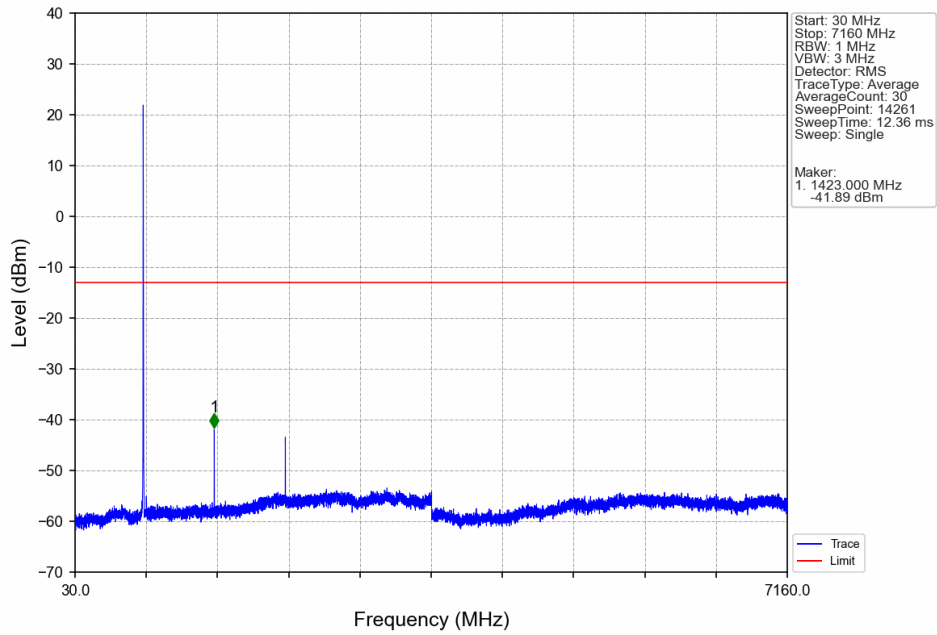


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-29.09	-13	Pass
703.9	704	0.03	/	2	703.990	-28.97	-13	Pass
704	709	0.03	/	/	/	/	/	/

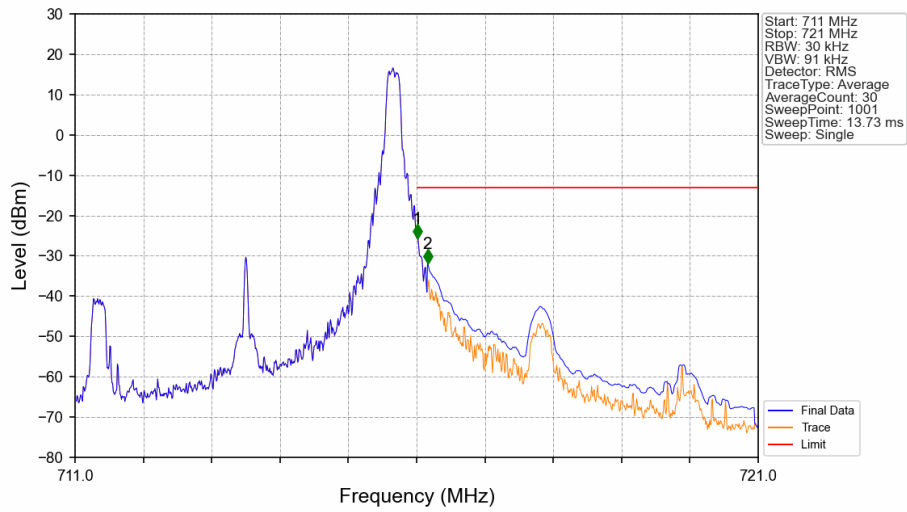
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

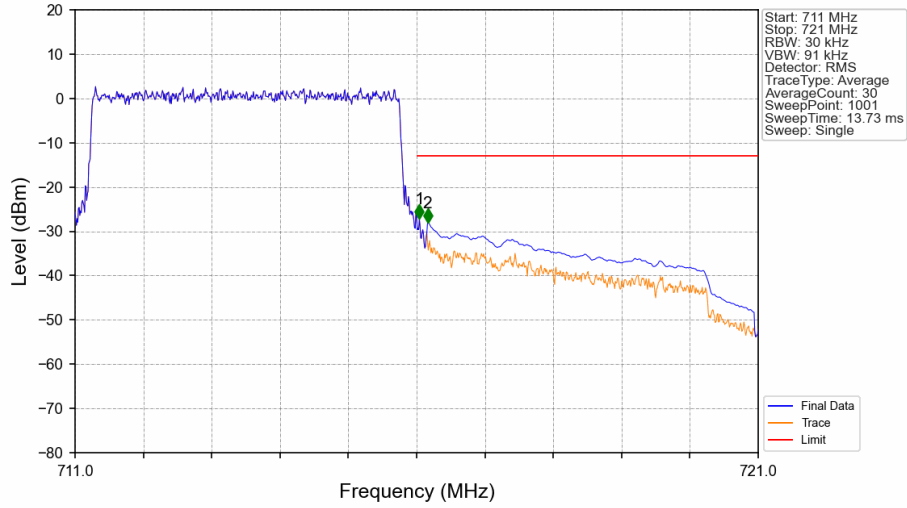


Band17 5MHz QPSK HCH 713.5MHz RB 1 24 NTN



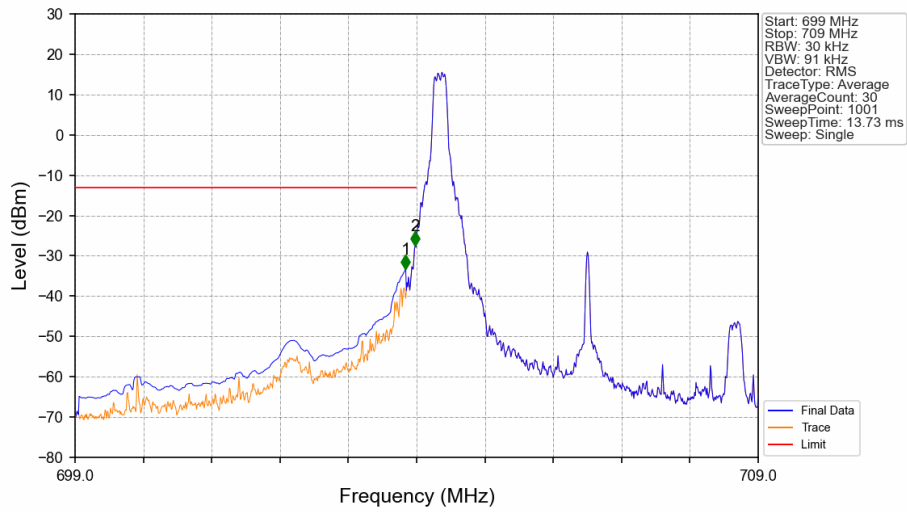
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-25.66	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.77	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



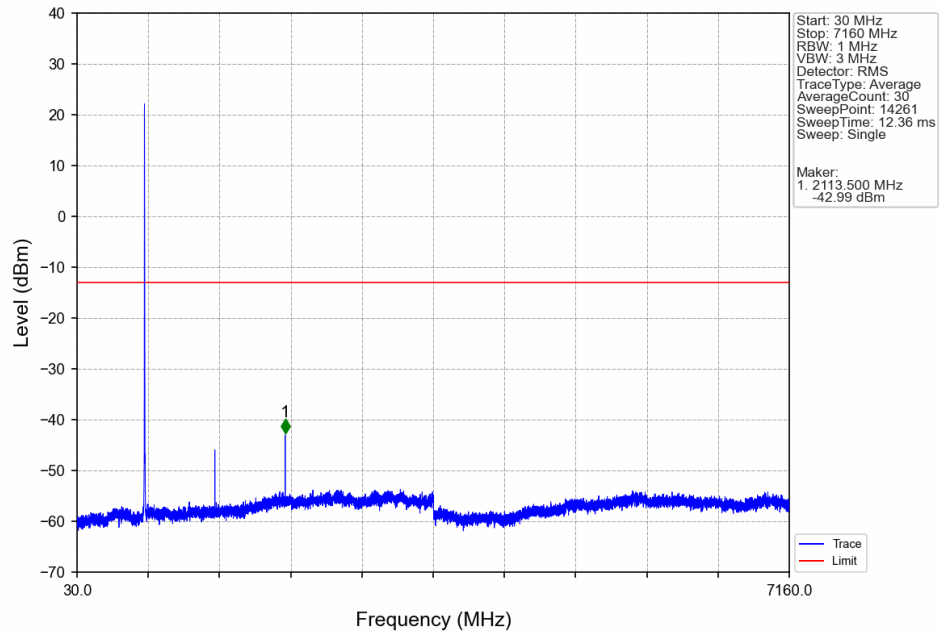
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.040	-27.21	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.03	-13	Pass

Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTV

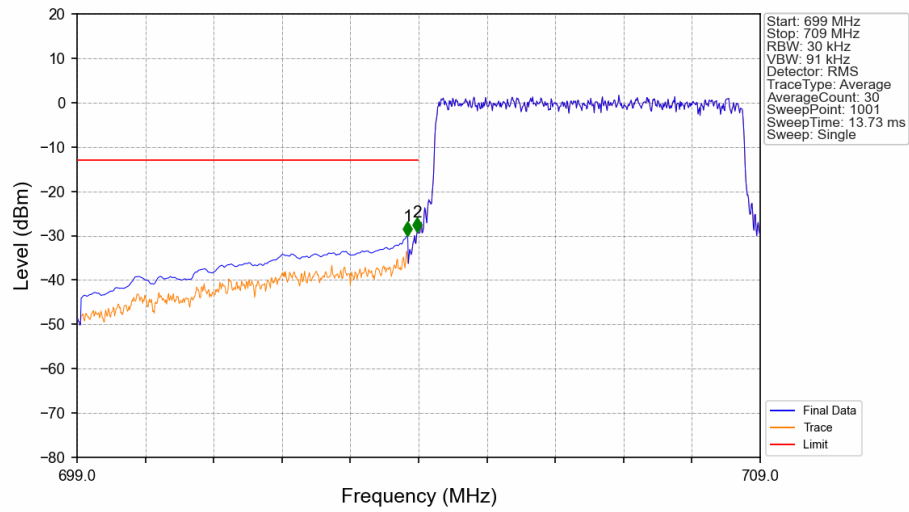


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-33.22	-13	Pass
703.9	704	0.03	/	2	703.980	-27.51	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTV

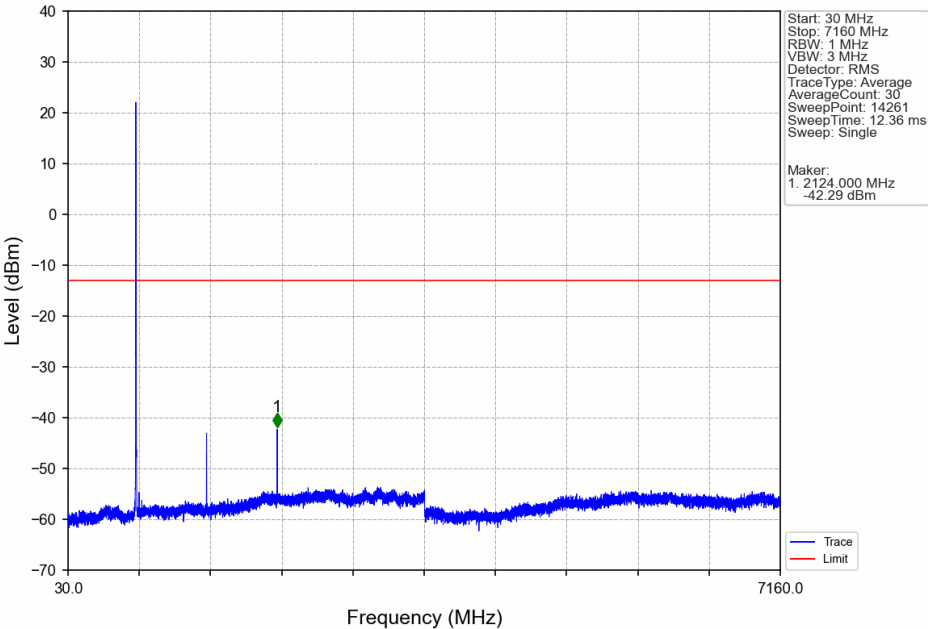


Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV

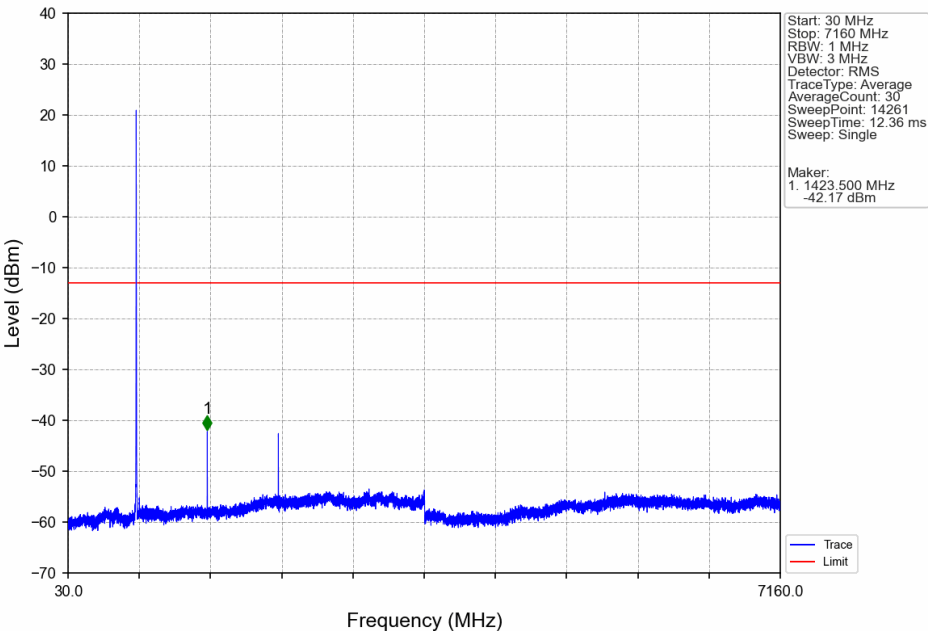


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-29.98	-13	Pass
703.9	704	0.03	/	2	703.980	-29.11	-13	Pass
704	709	0.03	/	/	/	/	/	/

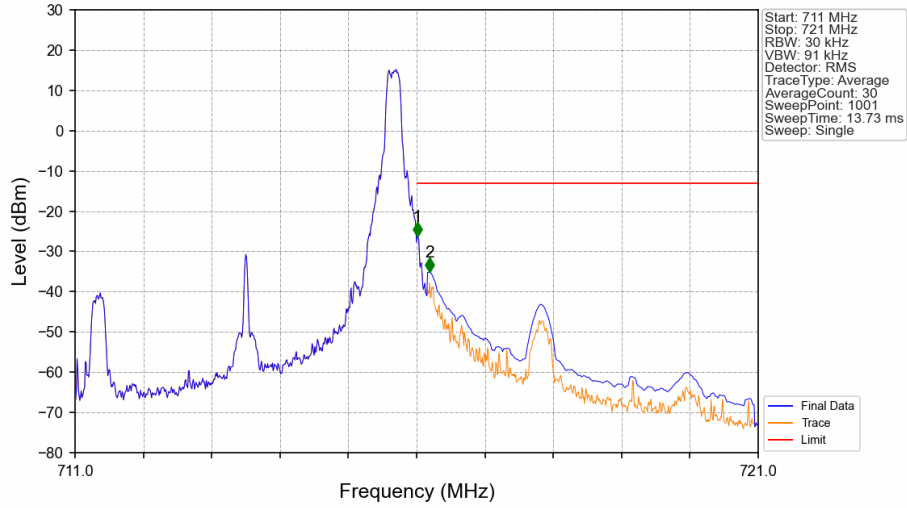
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

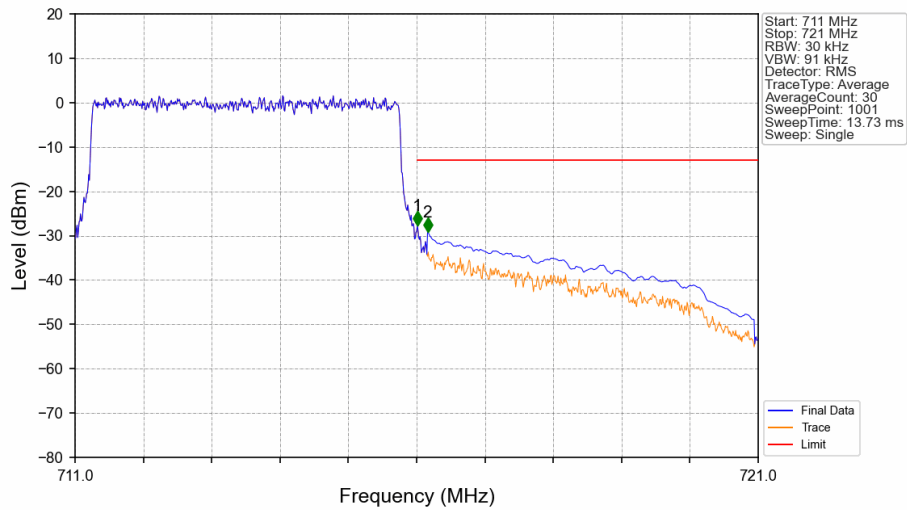


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



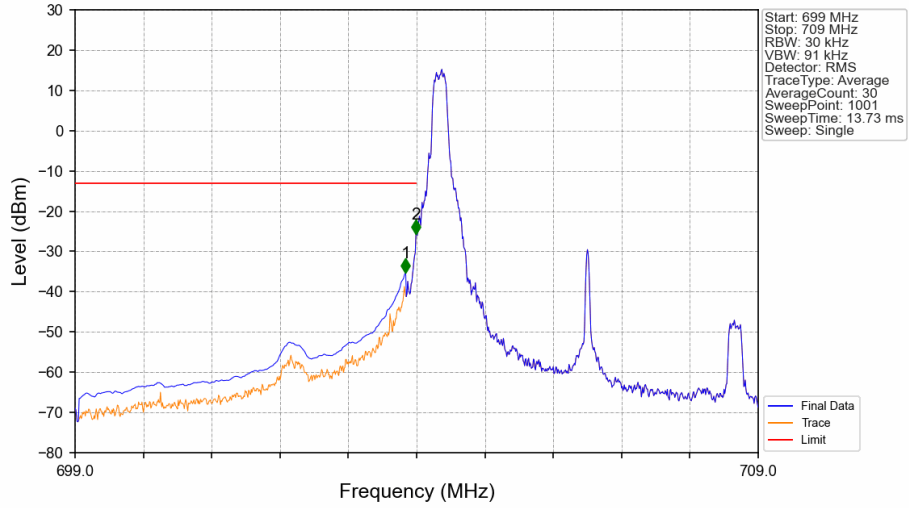
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-26.16	-13	Pass
716.1	721	0.1	CHP	2	716.190	-35.08	-13	Pass

Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



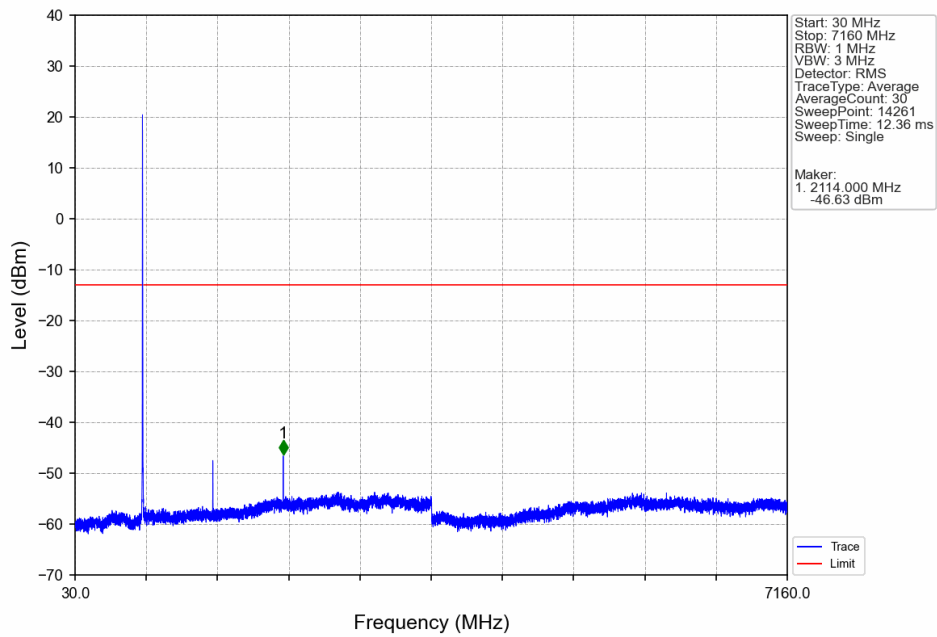
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-27.75	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.10	-13	Pass

Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV

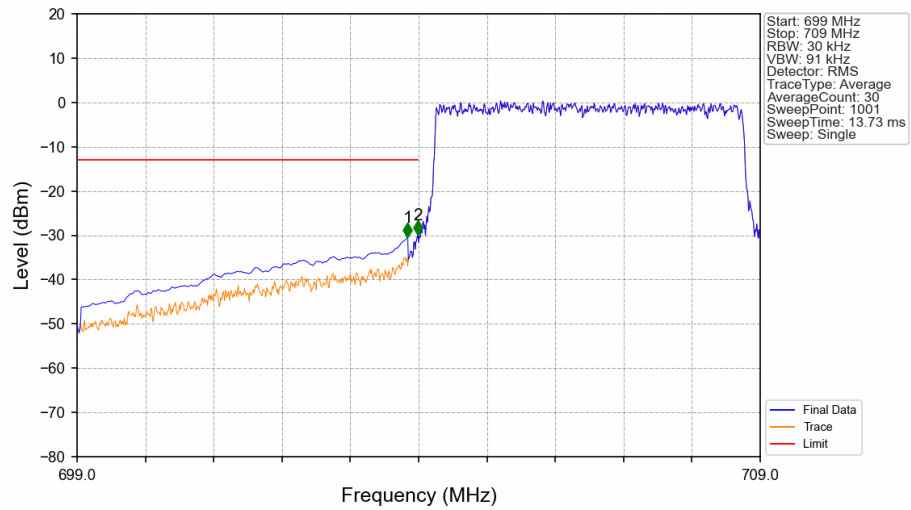


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-35.29	-13	Pass
703.9	704	0.03	/	2	703.990	-25.68	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV

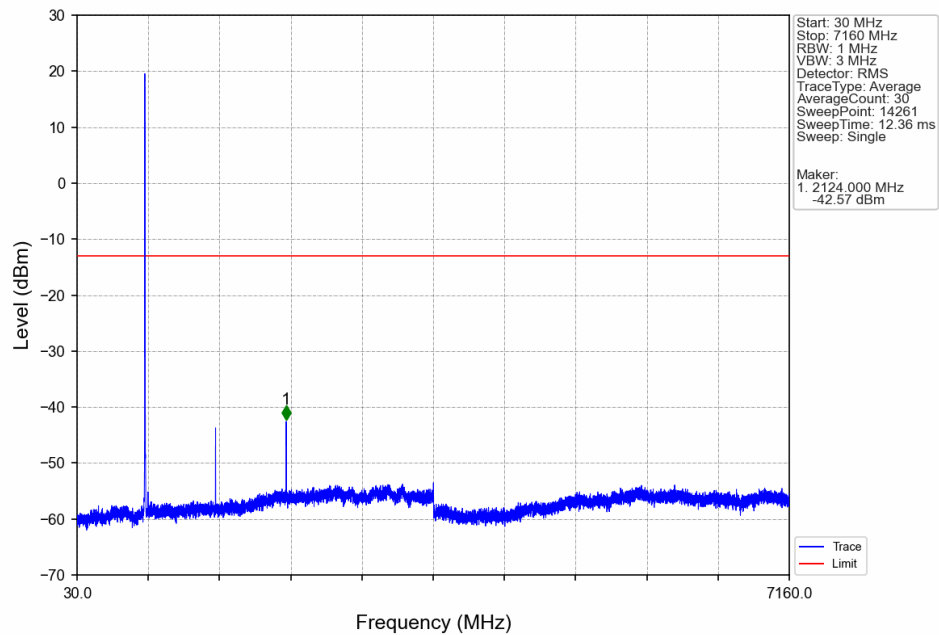


Band17 5MHz 64QAM LCH 706.5MHz RB 25 0 NTNV

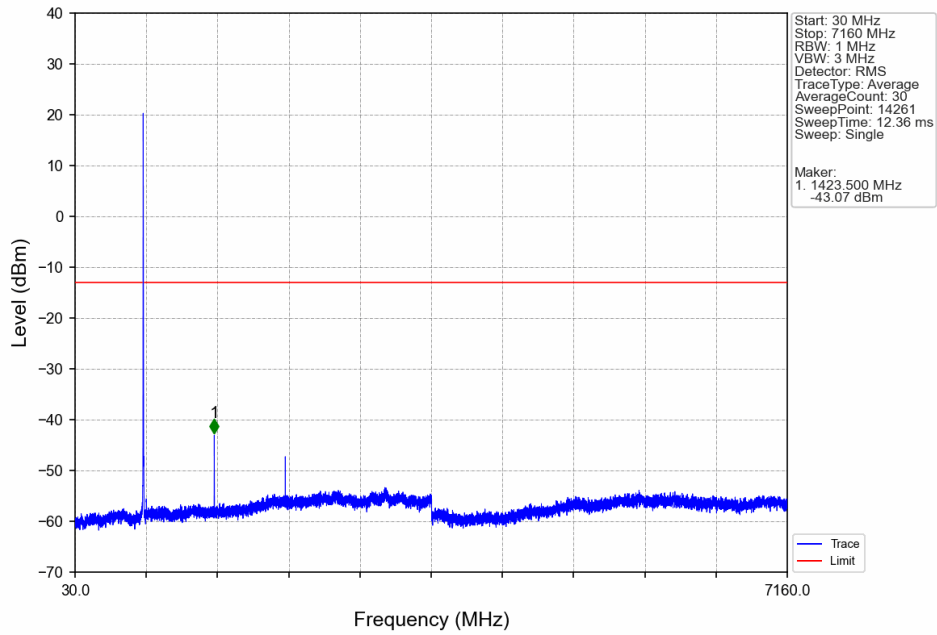


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.34	-13	Pass
703.9	704	0.03	/	2	703.990	-29.90	-13	Pass
704	709	0.03	/	/	/	/	/	/

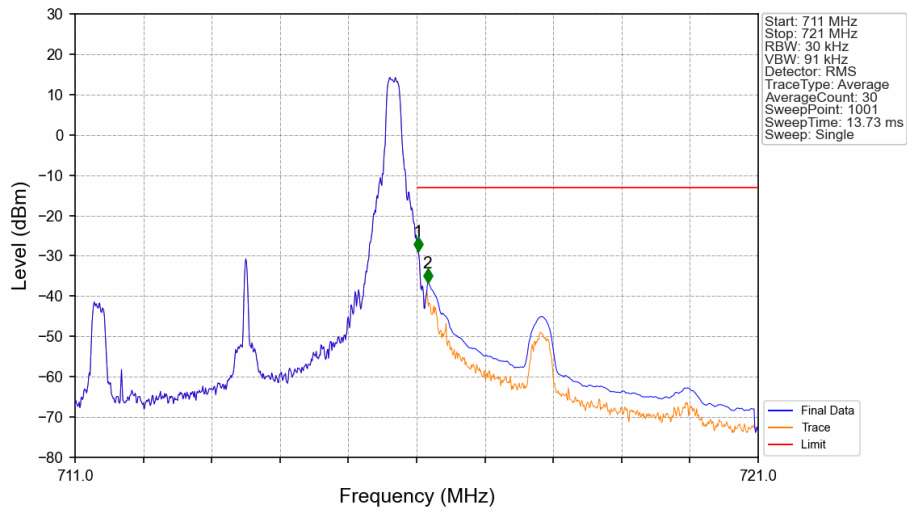
Band17 5MHz 64QAM MCH 710MHz RB 1 0 NTNV



Band17 5MHz 64QAM HCH 713.5MHz RB 1 0 NTNV

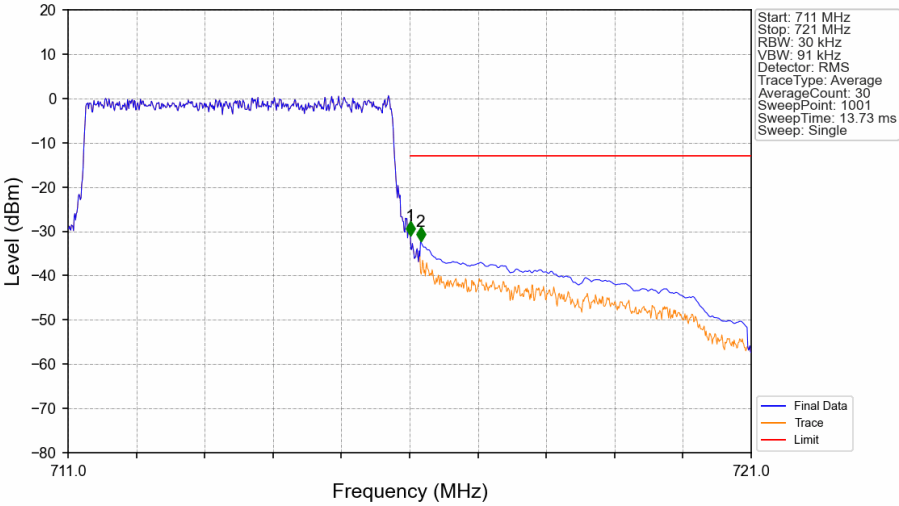


Band17 5MHz 64QAM HCH 713.5MHz RB 1 24 NTNV



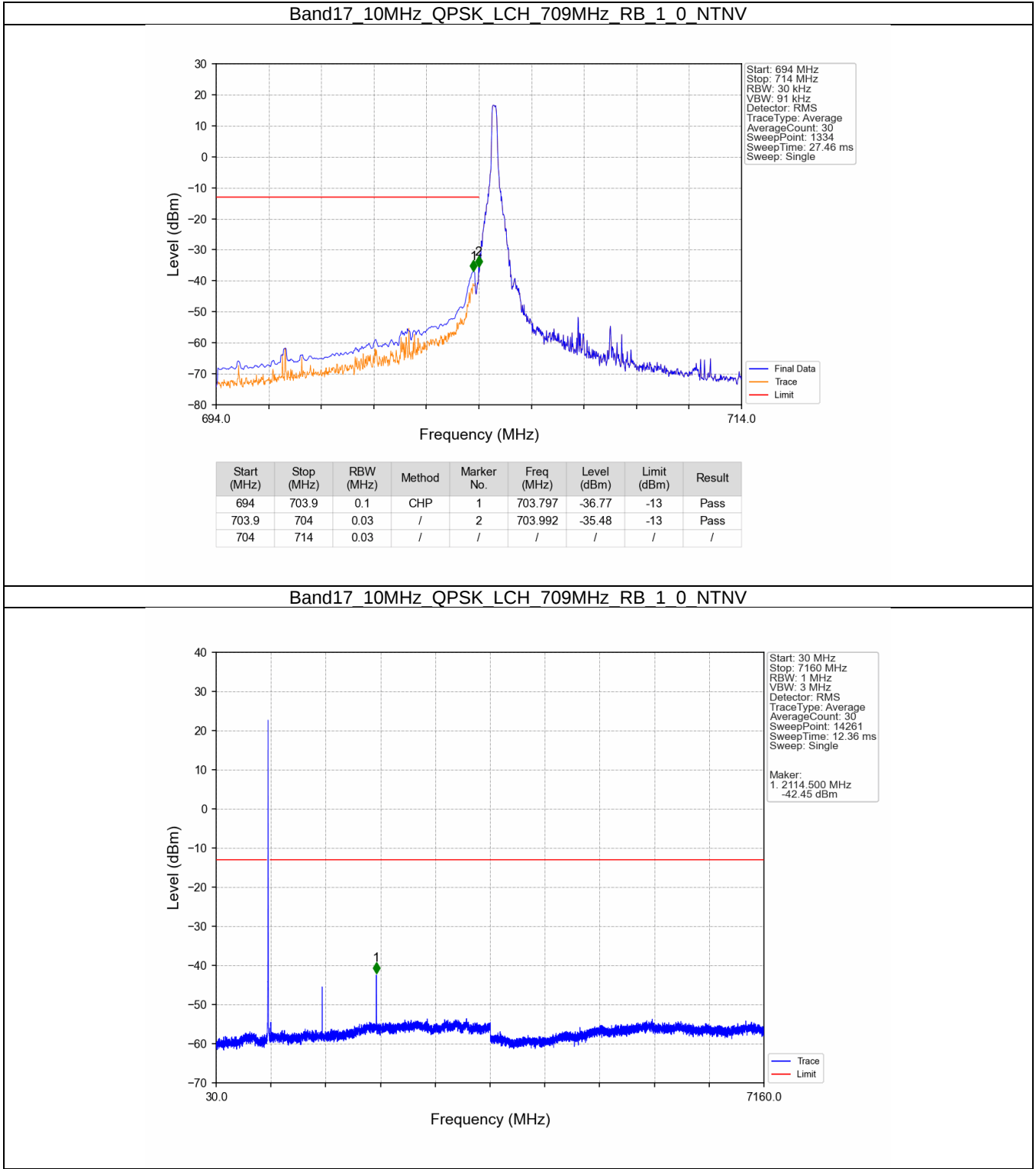
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-28.84	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.58	-13	Pass

Band17 5MHz 64QAM HCH 713.5MHz RB 25 0 NTV

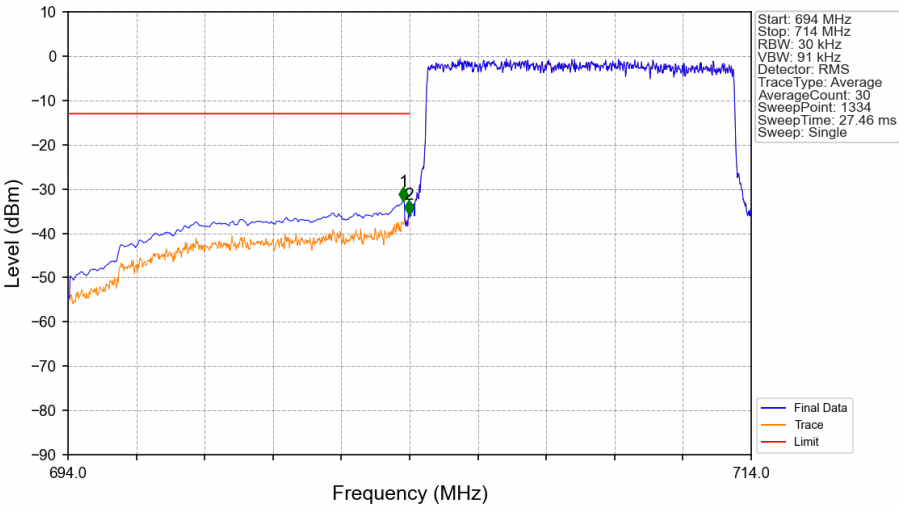


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-30.88	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.14	-13	Pass

5.2.2 B17_10MHz

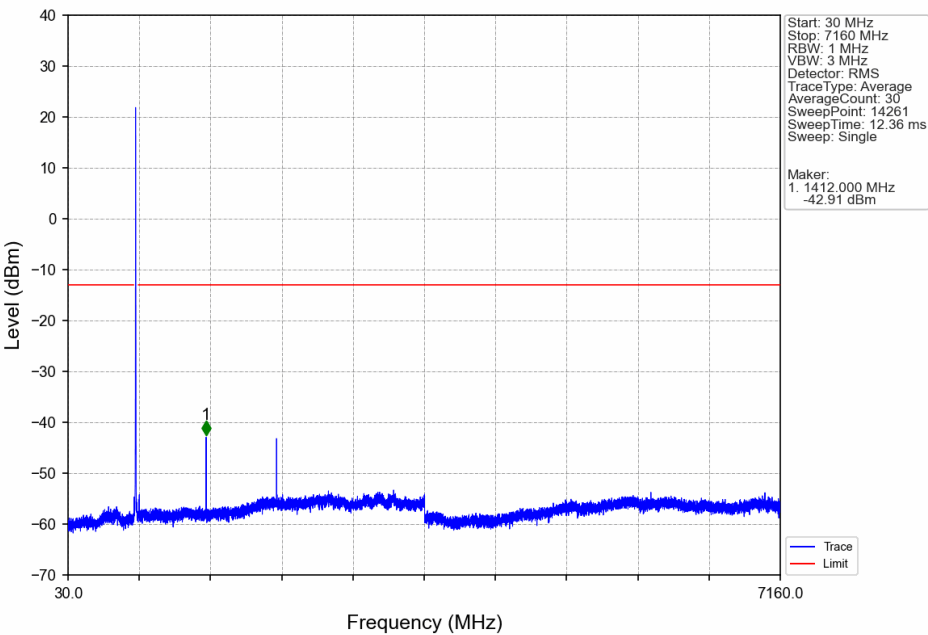


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

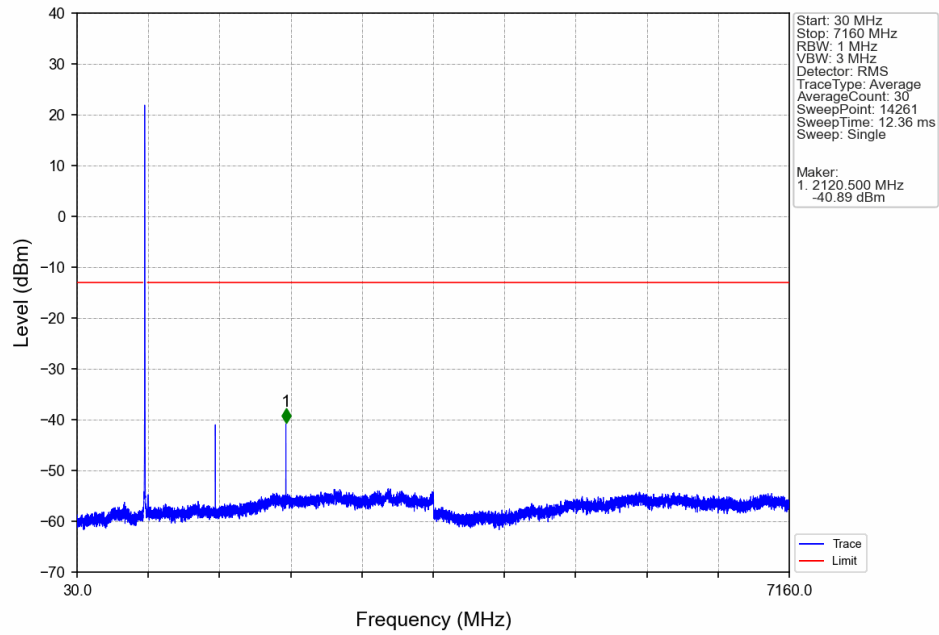


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.812	-32.74	-13	Pass
703.9	704	0.03	/	2	703.977	-35.59	-13	Pass
704	714	0.03	/	/	/	/	/	/

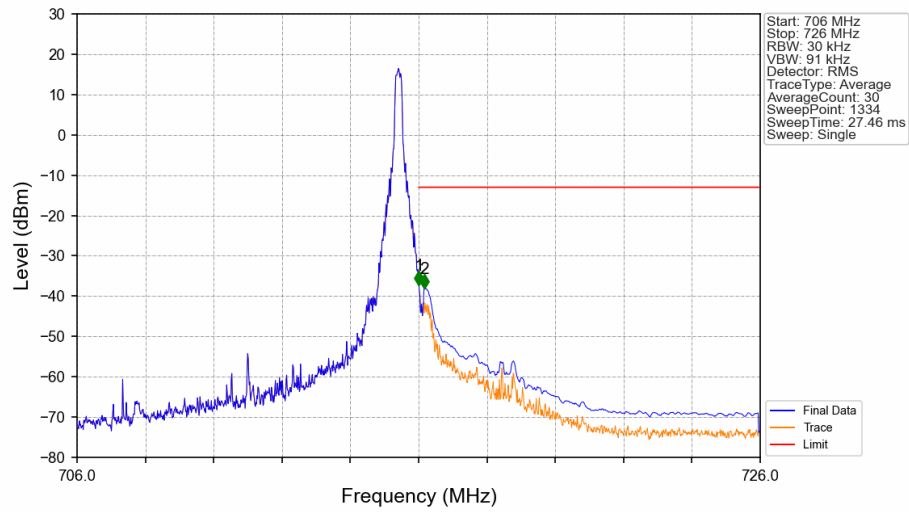
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

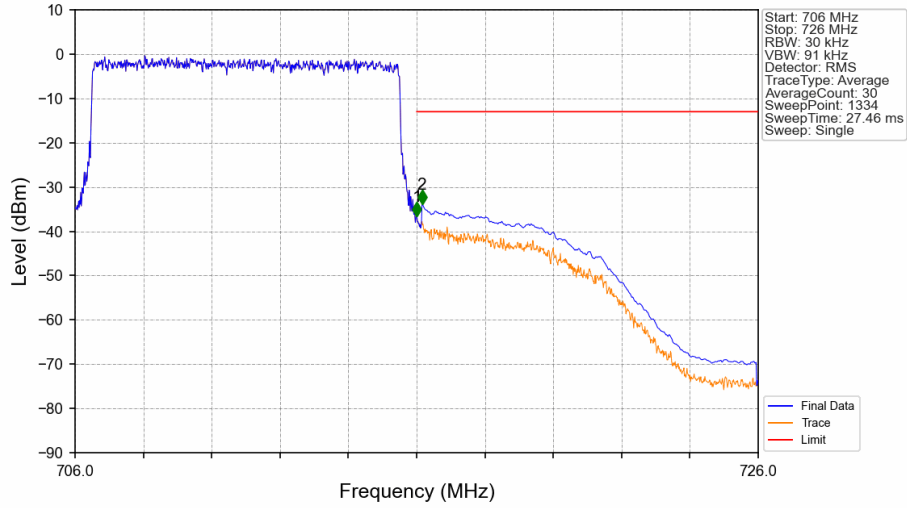


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



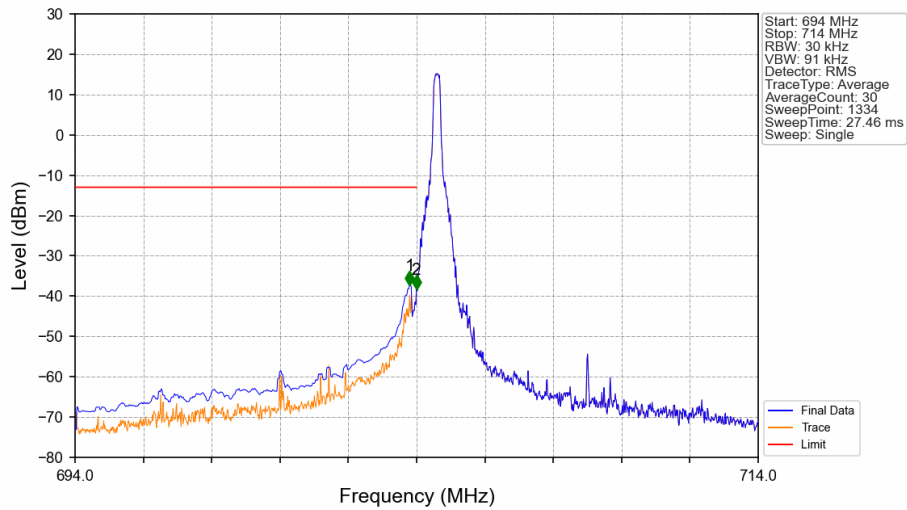
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-37.32	-13	Pass
716.1	726	0.1	CHP	2	716.173	-37.99	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



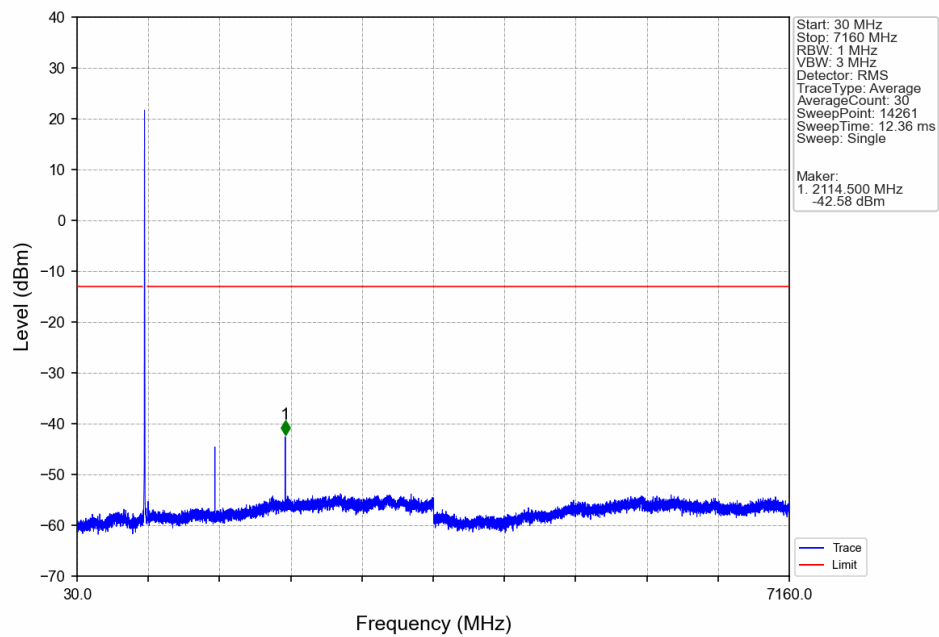
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-36.53	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.92	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

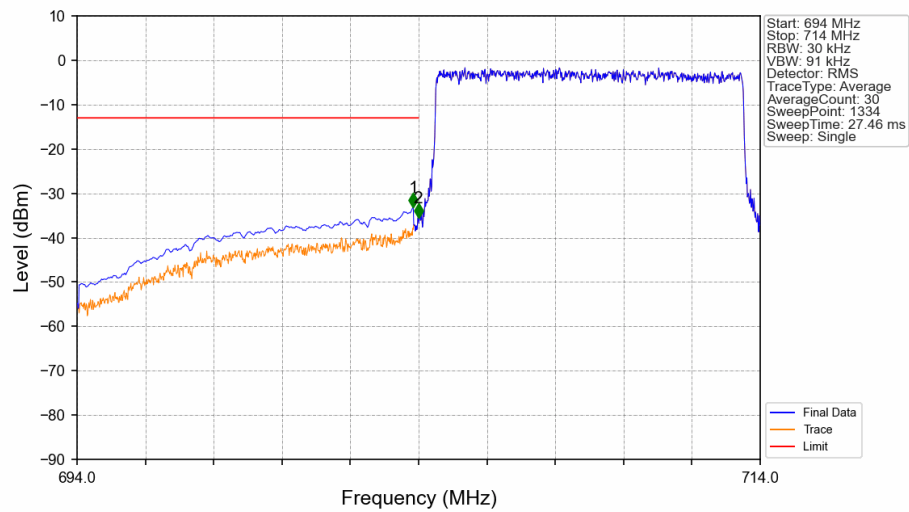


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.797	-37.34	-13	Pass
703.9	704	0.03	/	2	703.992	-38.30	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

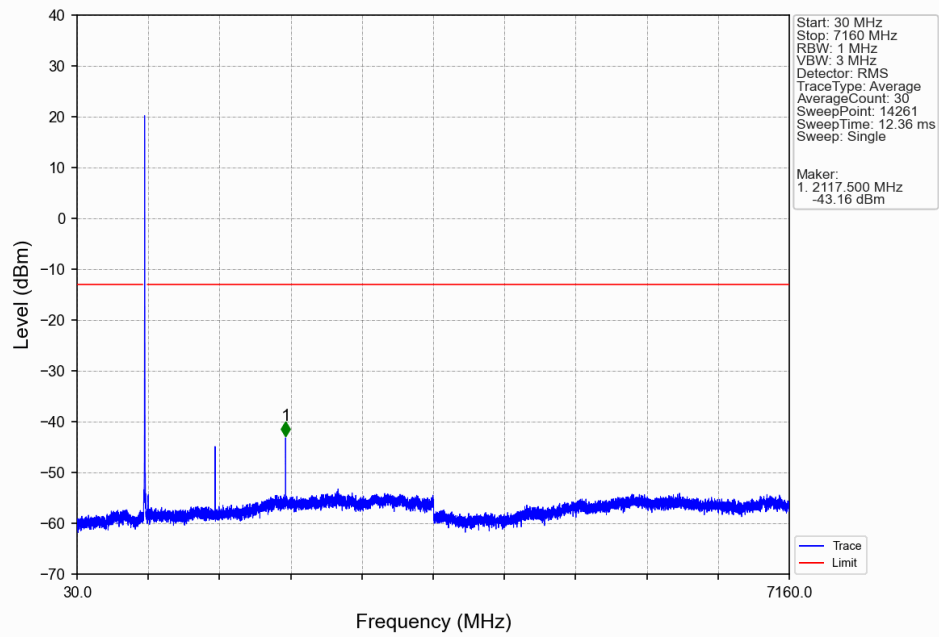


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

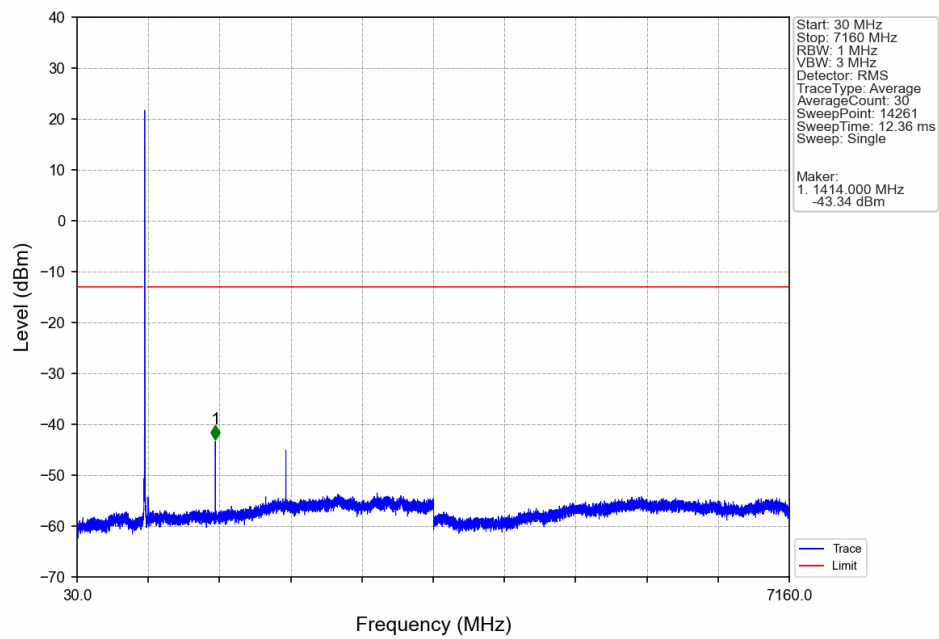


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-33.14	-13	Pass
703.9	704	0.03	/	2	703.992	-35.48	-13	Pass
704	714	0.03	/	/	/	/	/	/

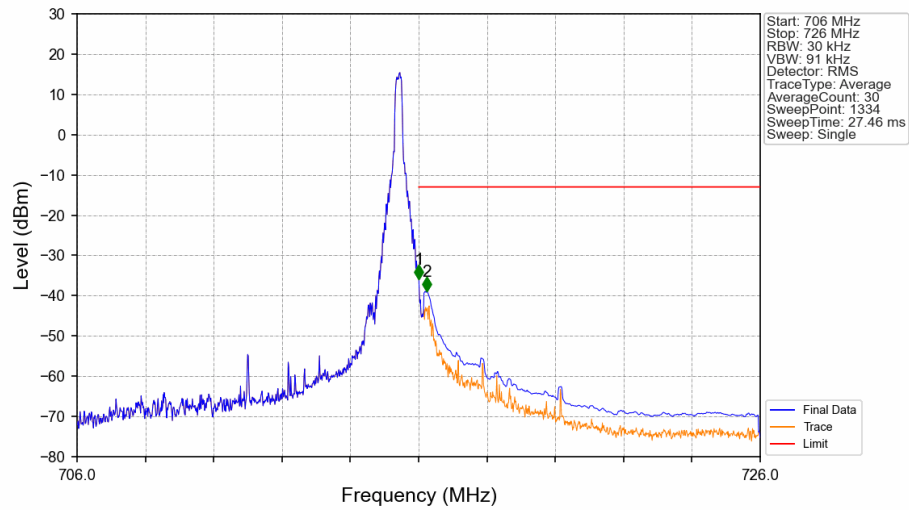
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



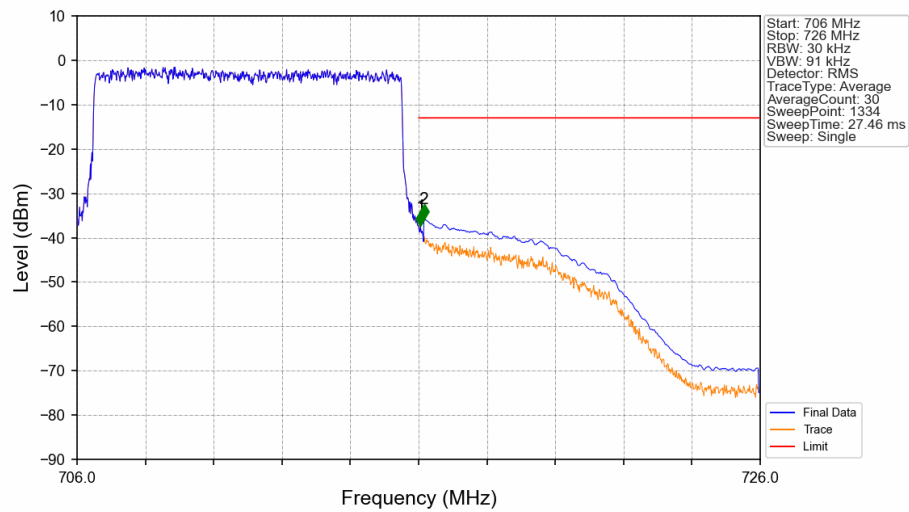
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



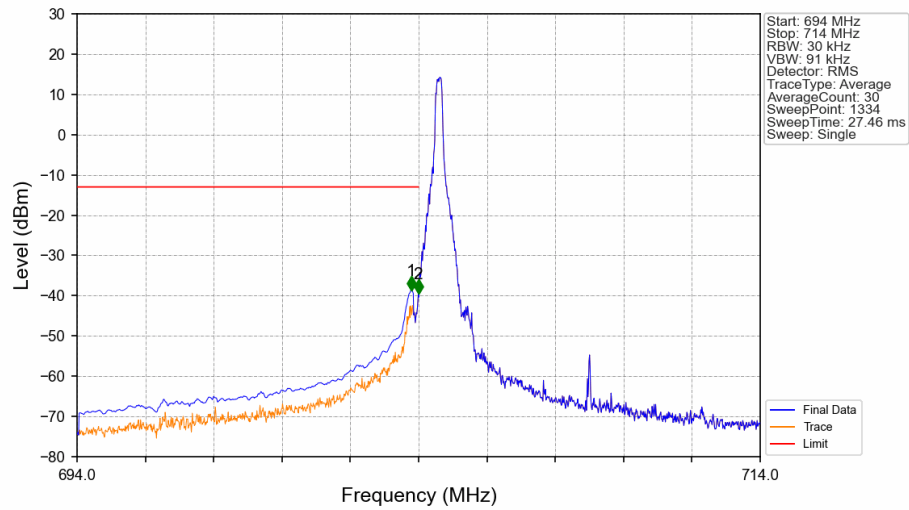
Band17 10MHz 16QAM HCH 711MHz RB 1 49 NTNV



Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV

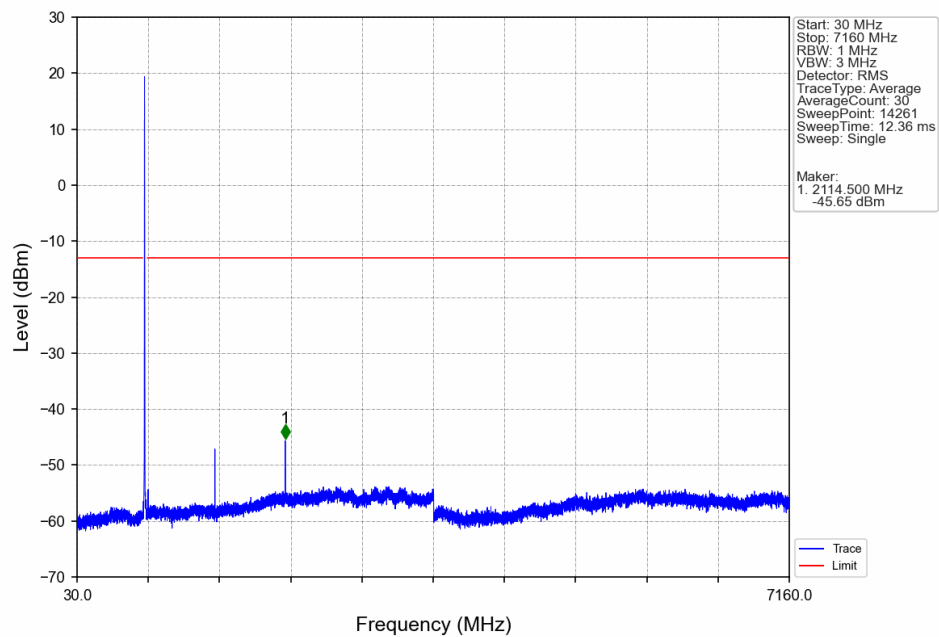


Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV

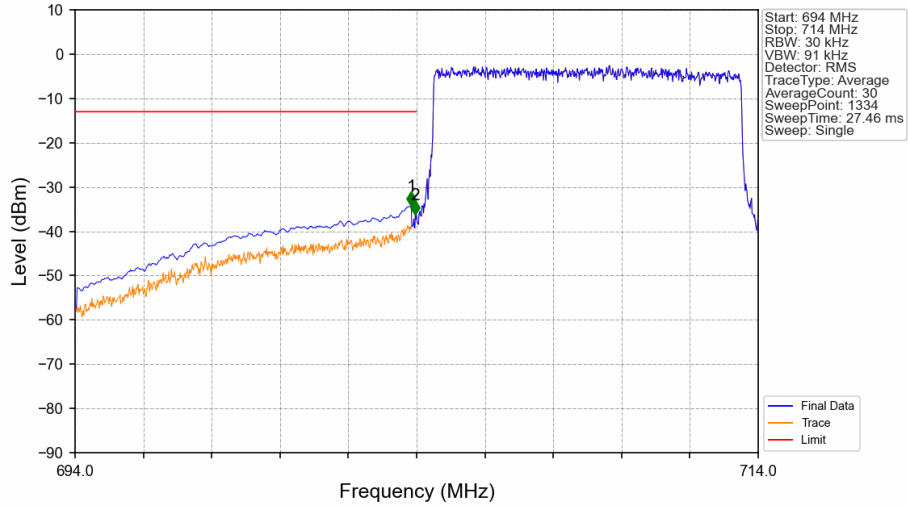


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.782	-38.62	-13	Pass
703.9	704	0.03	/	2	703.992	-39.51	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_64QAM_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	-34.26	-13	Pass
703.9	704	0.03	/	2	703.962	-36.17	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_64QAM_MCH_710MHz_RB_1_0_NTNV

