

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	22.65	-3.10	17.40	<=34.77	Pass
			13	22.84	-3.10	17.59	<=34.77	Pass
			24	22.81	-3.10	17.56	<=34.77	Pass
		12	0	22.12	-3.10	16.87	<=34.77	Pass
			6	22.01	-3.10	16.76	<=34.77	Pass
			13	22.02	-3.10	16.77	<=34.77	Pass
		25	0	22.12	-3.10	16.87	<=34.77	Pass
	710	1	0	22.76	-3.10	17.51	<=34.77	Pass
			13	22.84	-3.10	17.59	<=34.77	Pass
			24	22.83	-3.10	17.58	<=34.77	Pass
		12	0	21.98	-3.10	16.73	<=34.77	Pass
			6	22.02	-3.10	16.77	<=34.77	Pass
			13	22.07	-3.10	16.82	<=34.77	Pass
		25	0	22.02	-3.10	16.77	<=34.77	Pass
	713.5	1	0	22.88	-3.10	17.63	<=34.77	Pass
			13	22.79	-3.10	17.54	<=34.77	Pass
			24	22.64	-3.10	17.39	<=34.77	Pass
		12	0	21.97	-3.10	16.72	<=34.77	Pass
			6	21.97	-3.10	16.72	<=34.77	Pass
			13	21.87	-3.10	16.62	<=34.77	Pass
		25	0	21.93	-3.10	16.68	<=34.77	Pass
16QAM	706.5	1	0	22.23	-3.10	16.98	<=34.77	Pass
			13	21.98	-3.10	16.73	<=34.77	Pass
			24	21.91	-3.10	16.66	<=34.77	Pass
		12	0	21.18	-3.10	15.93	<=34.77	Pass
			6	21.03	-3.10	15.78	<=34.77	Pass
			13	21.07	-3.10	15.82	<=34.77	Pass
		25	0	21.11	-3.10	15.86	<=34.77	Pass
	710	1	0	22.17	-3.10	16.92	<=34.77	Pass
			13	22.18	-3.10	16.93	<=34.77	Pass
			24	21.84	-3.10	16.59	<=34.77	Pass
		12	0	20.96	-3.10	15.71	<=34.77	Pass
			6	21.02	-3.10	15.77	<=34.77	Pass
			13	21.08	-3.10	15.83	<=34.77	Pass
		25	0	21.14	-3.10	15.89	<=34.77	Pass
	713.5	1	0	21.93	-3.10	16.68	<=34.77	Pass
			13	21.46	-3.10	16.21	<=34.77	Pass
			24	22.04	-3.10	16.79	<=34.77	Pass
		12	0	20.95	-3.10	15.70	<=34.77	Pass
			6	21.02	-3.10	15.77	<=34.77	Pass
			13	20.97	-3.10	15.72	<=34.77	Pass
		25	0	20.95	-3.10	15.70	<=34.77	Pass
64QAM	706.5	1	0	19.36	-3.10	14.11	<=34.77	Pass
			13	19.45	-3.10	14.20	<=34.77	Pass
			24	18.97	-3.10	13.72	<=34.77	Pass
		12	0	18.19	-3.10	12.94	<=34.77	Pass
			6	18.29	-3.10	13.04	<=34.77	Pass
			13	18.38	-3.10	13.13	<=34.77	Pass
		25	0	18.31	-3.10	13.06	<=34.77	Pass

	710	1	0	19.50	-3.10	14.25	<=34.77	Pass
			13	19.44	-3.10	14.19	<=34.77	Pass
			24	19.44	-3.10	14.19	<=34.77	Pass
		12	0	18.33	-3.10	13.08	<=34.77	Pass
			6	18.43	-3.10	13.18	<=34.77	Pass
			13	18.25	-3.10	13.00	<=34.77	Pass
		25	0	18.22	-3.10	12.97	<=34.77	Pass
	713.5	1	0	19.38	-3.10	14.13	<=34.77	Pass
			13	19.45	-3.10	14.20	<=34.77	Pass
			24	19.38	-3.10	14.13	<=34.77	Pass
		12	0	18.44	-3.10	13.19	<=34.77	Pass
			6	18.11	-3.10	12.86	<=34.77	Pass
			13	18.45	-3.10	13.20	<=34.77	Pass
		25	0	18.36	-3.10	13.11	<=34.77	Pass
256QAM	706.5	1	0	16.21	-3.10	10.96	<=34.77	Pass
			13	16.26	-3.10	11.01	<=34.77	Pass
			24	16.39	-3.10	11.14	<=34.77	Pass
		12	0	16.13	-3.10	10.88	<=34.77	Pass
			6	16.18	-3.10	10.93	<=34.77	Pass
			13	16.33	-3.10	11.08	<=34.77	Pass
		25	0	16.25	-3.10	11.00	<=34.77	Pass
	710	1	0	16.28	-3.10	11.03	<=34.77	Pass
			13	16.35	-3.10	11.10	<=34.77	Pass
			24	16.41	-3.10	11.16	<=34.77	Pass
		12	0	16.27	-3.10	11.02	<=34.77	Pass
			6	16.29	-3.10	11.04	<=34.77	Pass
			13	16.11	-3.10	10.86	<=34.77	Pass
		25	0	16.33	-3.10	11.08	<=34.77	Pass
	713.5	1	0	16.29	-3.10	11.04	<=34.77	Pass
			13	16.26	-3.10	11.01	<=34.77	Pass
			24	16.35	-3.10	11.10	<=34.77	Pass
		12	0	16.32	-3.10	11.07	<=34.77	Pass
			6	16.21	-3.10	10.96	<=34.77	Pass
			13	16.34	-3.10	11.09	<=34.77	Pass
		25	0	16.28	-3.10	11.03	<=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	23.16	-3.10	17.91	<=34.77	Pass
			25	22.94	-3.10	17.69	<=34.77	Pass
			49	22.95	-3.10	17.70	<=34.77	Pass
		25	0	22.15	-3.10	16.90	<=34.77	Pass
			13	22.02	-3.10	16.77	<=34.77	Pass
			25	22.09	-3.10	16.84	<=34.77	Pass
		50	0	22.21	-3.10	16.96	<=34.77	Pass
	710	1	0	23.08	-3.10	17.83	<=34.77	Pass
			25	22.86	-3.10	17.61	<=34.77	Pass
			49	22.96	-3.10	17.71	<=34.77	Pass
		25	0	22.03	-3.10	16.78	<=34.77	Pass
			13	22.03	-3.10	16.78	<=34.77	Pass
			25	22.06	-3.10	16.81	<=34.77	Pass
		50	0	22.05	-3.10	16.80	<=34.77	Pass
	711	1	0	23.04	-3.10	17.79	<=34.77	Pass

		25	25	22.92	-3.10	17.67	<=34.77	Pass
			49	22.65	-3.10	17.40	<=34.77	Pass
			0	22.00	-3.10	16.75	<=34.77	Pass
			13	22.03	-3.10	16.78	<=34.77	Pass
			25	21.89	-3.10	16.64	<=34.77	Pass
		50	0	22.00	-3.10	16.75	<=34.77	Pass
16QAM	709	1	0	22.12	-3.10	16.87	<=34.77	Pass
			25	22.11	-3.10	16.86	<=34.77	Pass
			49	22.26	-3.10	17.01	<=34.77	Pass
		25	0	21.05	-3.10	15.80	<=34.77	Pass
			13	21.05	-3.10	15.80	<=34.77	Pass
			25	21.22	-3.10	15.97	<=34.77	Pass
		50	0	20.98	-3.10	15.73	<=34.77	Pass
	710	1	0	22.08	-3.10	16.83	<=34.77	Pass
			25	22.00	-3.10	16.75	<=34.77	Pass
			49	21.78	-3.10	16.53	<=34.77	Pass
		25	0	20.79	-3.10	15.54	<=34.77	Pass
			13	21.02	-3.10	15.77	<=34.77	Pass
			25	21.02	-3.10	15.77	<=34.77	Pass
		50	0	21.08	-3.10	15.83	<=34.77	Pass
	711	1	0	22.12	-3.10	16.87	<=34.77	Pass
			25	22.07	-3.10	16.82	<=34.77	Pass
			49	22.08	-3.10	16.83	<=34.77	Pass
		25	0	20.94	-3.10	15.69	<=34.77	Pass
			13	21.00	-3.10	15.75	<=34.77	Pass
			25	20.95	-3.10	15.70	<=34.77	Pass
		50	0	20.90	-3.10	15.65	<=34.77	Pass
64QAM	709	1	0	19.49	-3.10	14.24	<=34.77	Pass
			25	19.45	-3.10	14.20	<=34.77	Pass
			49	19.47	-3.10	14.22	<=34.77	Pass
		25	0	18.19	-3.10	12.94	<=34.77	Pass
			13	18.28	-3.10	13.03	<=34.77	Pass
			25	18.13	-3.10	12.88	<=34.77	Pass
		50	0	18.21	-3.10	12.96	<=34.77	Pass
	710	1	0	19.31	-3.10	14.06	<=34.77	Pass
			25	19.47	-3.10	14.22	<=34.77	Pass
			49	19.48	-3.10	14.23	<=34.77	Pass
		25	0	18.24	-3.10	12.99	<=34.77	Pass
			13	18.30	-3.10	13.05	<=34.77	Pass
			25	18.20	-3.10	12.95	<=34.77	Pass
		50	0	18.20	-3.10	12.95	<=34.77	Pass
	711	1	0	19.57	-3.10	14.32	<=34.77	Pass
			25	19.49	-3.10	14.24	<=34.77	Pass
			49	19.45	-3.10	14.20	<=34.77	Pass
		25	0	18.37	-3.10	13.12	<=34.77	Pass
			13	18.37	-3.10	13.12	<=34.77	Pass
			25	18.32	-3.10	13.07	<=34.77	Pass
		50	0	18.34	-3.10	13.09	<=34.77	Pass
256QAM	709	1	0	16.35	-3.10	11.10	<=34.77	Pass
			25	16.36	-3.10	11.11	<=34.77	Pass
			49	16.42	-3.10	11.17	<=34.77	Pass
		25	0	16.20	-3.10	10.95	<=34.77	Pass
			13	16.28	-3.10	11.03	<=34.77	Pass
			25	16.07	-3.10	10.82	<=34.77	Pass
		50	0	16.15	-3.10	10.90	<=34.77	Pass
	710	1	0	16.41	-3.10	11.16	<=34.77	Pass
			25	16.20	-3.10	10.95	<=34.77	Pass
			49	16.22	-3.10	10.97	<=34.77	Pass
		25	0	16.22	-3.10	10.97	<=34.77	Pass
			0	16.22	-3.10	10.97	<=34.77	Pass

			13	16.25	-3.10	11.00	<=34.77	Pass
			25	16.13	-3.10	10.88	<=34.77	Pass
		50	0	16.24	-3.10	10.99	<=34.77	Pass
	711	1	0	16.57	-3.10	11.32	<=34.77	Pass
			25	16.36	-3.10	11.11	<=34.77	Pass
			49	16.29	-3.10	11.04	<=34.77	Pass
		25	0	16.26	-3.10	11.01	<=34.77	Pass
			13	16.32	-3.10	11.07	<=34.77	Pass
			25	16.27	-3.10	11.02	<=34.77	Pass
		50	0	16.27	-3.10	11.02	<=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	3.60	8.500	0.0120	-2.5 to 2.5	Pass
					3.91	13.400	0.0190	-2.5 to 2.5	Pass
					4.50	13.900	0.0197	-2.5 to 2.5	Pass
				-30	3.91	10.600	0.0150	-2.5 to 2.5	Pass
				-20	3.91	10.300	0.0146	-2.5 to 2.5	Pass
				-10	3.91	4.400	0.0062	-2.5 to 2.5	Pass
				0	3.91	2.900	0.0041	-2.5 to 2.5	Pass
				10	3.91	1.700	0.0024	-2.5 to 2.5	Pass
				30	3.91	5.500	0.0078	-2.5 to 2.5	Pass
				40	3.91	4.200	0.0059	-2.5 to 2.5	Pass
				50	3.91	5.800	0.0082	-2.5 to 2.5	Pass
	710	25	0	20	3.60	-0.600	-0.0008	-2.5 to 2.5	Pass
					3.91	-2.700	-0.0038	-2.5 to 2.5	Pass
					4.50	0.400	0.0006	-2.5 to 2.5	Pass
				-30	3.91	0.300	0.0004	-2.5 to 2.5	Pass
				-20	3.91	-2.600	-0.0037	-2.5 to 2.5	Pass
				-10	3.91	-3.900	-0.0055	-2.5 to 2.5	Pass
				0	3.91	-2.400	-0.0034	-2.5 to 2.5	Pass
				10	3.91	-4.700	-0.0066	-2.5 to 2.5	Pass
				30	3.91	-3.300	-0.0046	-2.5 to 2.5	Pass
				40	3.91	-0.600	-0.0008	-2.5 to 2.5	Pass
				50	3.91	-7.500	-0.0106	-2.5 to 2.5	Pass
	713.5	25	0	20	3.60	-1.900	-0.0027	-2.5 to 2.5	Pass
					3.91	2.000	0.0028	-2.5 to 2.5	Pass
					4.50	-1.200	-0.0017	-2.5 to 2.5	Pass
				-30	3.91	-1.200	-0.0017	-2.5 to 2.5	Pass
				-20	3.91	-1.900	-0.0027	-2.5 to 2.5	Pass
				-10	3.91	-5.300	-0.0074	-2.5 to 2.5	Pass
				0	3.91	3.900	0.0055	-2.5 to 2.5	Pass
				10	3.91	-1.500	-0.0021	-2.5 to 2.5	Pass
				30	3.91	-0.200	-0.0003	-2.5 to 2.5	Pass
				40	3.91	-4.500	-0.0063	-2.5 to 2.5	Pass
				50	3.91	-2.700	-0.0038	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.60	4.200	0.0059	-2.5 to 2.5	Pass
					3.91	3.200	0.0045	-2.5 to 2.5	Pass

					4.50	-1.800	-0.0025	-2.5 to 2.5	Pass
				-30	3.91	-3.300	-0.0047	-2.5 to 2.5	Pass
				-20	3.91	-3.000	-0.0042	-2.5 to 2.5	Pass
				-10	3.91	-1.900	-0.0027	-2.5 to 2.5	Pass
				0	3.91	-1.700	-0.0024	-2.5 to 2.5	Pass
				10	3.91	-2.100	-0.0030	-2.5 to 2.5	Pass
				30	3.91	-4.700	-0.0067	-2.5 to 2.5	Pass
				40	3.91	-0.700	-0.0010	-2.5 to 2.5	Pass
				50	3.91	-2.600	-0.0037	-2.5 to 2.5	Pass
	710	25	0	20	3.60	-2.400	-0.0034	-2.5 to 2.5	Pass
					3.91	-2.100	-0.0030	-2.5 to 2.5	Pass
					4.50	-2.400	-0.0034	-2.5 to 2.5	Pass
				-30	3.91	-4.000	-0.0056	-2.5 to 2.5	Pass
				-20	3.91	-9.800	-0.0138	-2.5 to 2.5	Pass
				-10	3.91	-17.500	-0.0246	-2.5 to 2.5	Pass
				0	3.91	-23.800	-0.0335	-2.5 to 2.5	Pass
				10	3.91	-15.900	-0.0224	-2.5 to 2.5	Pass
				30	3.91	-9.700	-0.0137	-2.5 to 2.5	Pass
				40	3.91	-4.800	-0.0068	-2.5 to 2.5	Pass
				50	3.91	-0.600	-0.0008	-2.5 to 2.5	Pass
	713.5	25	0	20	3.60	-6.800	-0.0095	-2.5 to 2.5	Pass
					3.91	-5.100	-0.0071	-2.5 to 2.5	Pass
					4.50	-10.100	-0.0142	-2.5 to 2.5	Pass
				-30	3.91	-8.700	-0.0122	-2.5 to 2.5	Pass
				-20	3.91	-4.300	-0.0060	-2.5 to 2.5	Pass
				-10	3.91	-3.500	-0.0049	-2.5 to 2.5	Pass
				0	3.91	-2.900	-0.0041	-2.5 to 2.5	Pass
				10	3.91	-4.500	-0.0063	-2.5 to 2.5	Pass
				30	3.91	-6.000	-0.0084	-2.5 to 2.5	Pass
				40	3.91	-9.300	-0.0130	-2.5 to 2.5	Pass
				50	3.91	-5.600	-0.0078	-2.5 to 2.5	Pass
64QAM	706.5	25	0	20	3.60	-4.600	-0.0065	-2.5 to 2.5	Pass
					3.91	-5.100	-0.0072	-2.5 to 2.5	Pass
					4.50	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.91	3.500	0.0050	-2.5 to 2.5	Pass
				-20	3.91	0.900	0.0013	-2.5 to 2.5	Pass
				-10	3.91	3.800	0.0054	-2.5 to 2.5	Pass
				0	3.91	2.200	0.0031	-2.5 to 2.5	Pass
				10	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.91	2.700	0.0038	-2.5 to 2.5	Pass
				40	3.91	2.300	0.0033	-2.5 to 2.5	Pass
				50	3.91	-2.200	-0.0031	-2.5 to 2.5	Pass
	710	25	0	20	3.60	-4.100	-0.0058	-2.5 to 2.5	Pass
					3.91	-6.900	-0.0097	-2.5 to 2.5	Pass
					4.50	-5.200	-0.0073	-2.5 to 2.5	Pass
				-30	3.91	-0.200	-0.0003	-2.5 to 2.5	Pass
				-20	3.91	0.200	0.0003	-2.5 to 2.5	Pass
				-10	3.91	-3.300	-0.0046	-2.5 to 2.5	Pass
				0	3.91	-1.900	-0.0027	-2.5 to 2.5	Pass
				10	3.91	-2.500	-0.0035	-2.5 to 2.5	Pass
				30	3.91	-1.200	-0.0017	-2.5 to 2.5	Pass
				40	3.91	-0.800	-0.0011	-2.5 to 2.5	Pass
				50	3.91	-0.500	-0.0007	-2.5 to 2.5	Pass
	713.5	25	0	20	3.60	-2.800	-0.0039	-2.5 to 2.5	Pass
					3.91	-1.000	-0.0014	-2.5 to 2.5	Pass
					4.50	-3.400	-0.0048	-2.5 to 2.5	Pass
				-30	3.91	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.91	1.800	0.0025	-2.5 to 2.5	Pass
				-10	3.91	-0.500	-0.0007	-2.5 to 2.5	Pass

256QAM				0	3.91	0.300	0.0004	-2.5 to 2.5	Pass
				10	3.91	3.400	0.0048	-2.5 to 2.5	Pass
				30	3.91	-1.600	-0.0022	-2.5 to 2.5	Pass
				40	3.91	0.900	0.0013	-2.5 to 2.5	Pass
				50	3.91	1.300	0.0018	-2.5 to 2.5	Pass
	706.5	25	0	20	3.60	-0.500	-0.0007	-2.5 to 2.5	Pass
					3.91	-4.300	-0.0061	-2.5 to 2.5	Pass
					4.50	-1.000	-0.0014	-2.5 to 2.5	Pass
				-30	3.91	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.91	1.500	0.0021	-2.5 to 2.5	Pass
				-10	3.91	0.200	0.0003	-2.5 to 2.5	Pass
				0	3.91	4.100	0.0058	-2.5 to 2.5	Pass
				10	3.91	1.200	0.0017	-2.5 to 2.5	Pass
				30	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.91	0.900	0.0013	-2.5 to 2.5	Pass
				50	3.91	-2.500	-0.0035	-2.5 to 2.5	Pass
	710	25	0	20	3.60	-1.900	-0.0027	-2.5 to 2.5	Pass
					3.91	-3.800	-0.0054	-2.5 to 2.5	Pass
					4.50	-1.800	-0.0025	-2.5 to 2.5	Pass
				-30	3.91	-6.100	-0.0086	-2.5 to 2.5	Pass
				-20	3.91	-6.700	-0.0094	-2.5 to 2.5	Pass
				-10	3.91	-1.900	-0.0027	-2.5 to 2.5	Pass
				0	3.91	-5.000	-0.0070	-2.5 to 2.5	Pass
				10	3.91	-6.400	-0.0090	-2.5 to 2.5	Pass
				30	3.91	-2.800	-0.0039	-2.5 to 2.5	Pass
				40	3.91	-5.800	-0.0082	-2.5 to 2.5	Pass
				50	3.91	-6.100	-0.0086	-2.5 to 2.5	Pass
	713.5	25	0	20	3.60	-0.700	-0.0010	-2.5 to 2.5	Pass
					3.91	-2.100	-0.0029	-2.5 to 2.5	Pass
					4.50	-1.300	-0.0018	-2.5 to 2.5	Pass
				-30	3.91	-3.800	-0.0053	-2.5 to 2.5	Pass
				-20	3.91	-4.300	-0.0060	-2.5 to 2.5	Pass
				-10	3.91	-8.600	-0.0121	-2.5 to 2.5	Pass
				0	3.91	-7.300	-0.0102	-2.5 to 2.5	Pass
				10	3.91	-3.100	-0.0043	-2.5 to 2.5	Pass
				30	3.91	-3.800	-0.0053	-2.5 to 2.5	Pass
				40	3.91	-6.700	-0.0094	-2.5 to 2.5	Pass
				50	3.91	-7.600	-0.0107	-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	3.60	-1.300	-0.0018	-2.5 to 2.5	Pass
					3.91	-1.300	-0.0018	-2.5 to 2.5	Pass
					4.50	-2.100	-0.0030	-2.5 to 2.5	Pass
				-30	3.91	-1.000	-0.0014	-2.5 to 2.5	Pass
				-20	3.91	-0.200	-0.0003	-2.5 to 2.5	Pass
				-10	3.91	-2.800	-0.0039	-2.5 to 2.5	Pass
				0	3.91	-1.300	-0.0018	-2.5 to 2.5	Pass
				10	3.91	-1.200	-0.0017	-2.5 to 2.5	Pass
				30	3.91	-0.700	-0.0010	-2.5 to 2.5	Pass
				40	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.91	-3.100	-0.0044	-2.5 to 2.5	Pass
	710	50	0	20	3.60	-2.600	-0.0037	-2.5 to 2.5	Pass
					3.91	-0.500	-0.0007	-2.5 to 2.5	Pass

					4.50	-6.600	-0.0093	-2.5 to 2.5	Pass
				-30	3.91	-6.400	-0.0090	-2.5 to 2.5	Pass
				-20	3.91	-6.200	-0.0087	-2.5 to 2.5	Pass
				-10	3.91	-9.700	-0.0137	-2.5 to 2.5	Pass
				0	3.91	-12.500	-0.0176	-2.5 to 2.5	Pass
				10	3.91	-6.600	-0.0093	-2.5 to 2.5	Pass
				30	3.91	-3.900	-0.0055	-2.5 to 2.5	Pass
				40	3.91	0.500	0.0007	-2.5 to 2.5	Pass
				50	3.91	-1.700	-0.0024	-2.5 to 2.5	Pass
	711	50	0	20	3.60	-1.600	-0.0023	-2.5 to 2.5	Pass
					3.91	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.50	3.000	0.0042	-2.5 to 2.5	Pass
				-30	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.91	-1.300	-0.0018	-2.5 to 2.5	Pass
				-10	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.91	-4.200	-0.0059	-2.5 to 2.5	Pass
				10	3.91	-3.500	-0.0049	-2.5 to 2.5	Pass
				30	3.91	-2.200	-0.0031	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.60	-3.200	-0.0045	-2.5 to 2.5	Pass
					3.91	-3.500	-0.0049	-2.5 to 2.5	Pass
					4.50	0.600	0.0008	-2.5 to 2.5	Pass
				-30	3.91	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.91	-2.700	-0.0038	-2.5 to 2.5	Pass
				-10	3.91	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.91	0.700	0.0010	-2.5 to 2.5	Pass
				10	3.91	1.300	0.0018	-2.5 to 2.5	Pass
				30	3.91	-2.700	-0.0038	-2.5 to 2.5	Pass
	710	50	0	20	3.60	-2.800	-0.0039	-2.5 to 2.5	Pass
					3.91	-2.800	-0.0039	-2.5 to 2.5	Pass
					4.50	-1.300	-0.0018	-2.5 to 2.5	Pass
				-30	3.91	1.600	0.0023	-2.5 to 2.5	Pass
				-20	3.91	-3.300	-0.0046	-2.5 to 2.5	Pass
				-10	3.91	-5.200	-0.0073	-2.5 to 2.5	Pass
				0	3.91	1.800	0.0025	-2.5 to 2.5	Pass
				10	3.91	-4.100	-0.0058	-2.5 to 2.5	Pass
				30	3.91	-2.100	-0.0030	-2.5 to 2.5	Pass
	711	50	0	20	3.60	-2.400	-0.0034	-2.5 to 2.5	Pass
					3.91	-2.400	-0.0034	-2.5 to 2.5	Pass
					4.50	-2.700	-0.0038	-2.5 to 2.5	Pass
				-30	3.91	0.500	0.0007	-2.5 to 2.5	Pass
				-20	3.91	-0.700	-0.0010	-2.5 to 2.5	Pass
				-10	3.91	-2.400	-0.0034	-2.5 to 2.5	Pass
				0	3.91	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	3.91	-2.600	-0.0037	-2.5 to 2.5	Pass
				30	3.91	-7.300	-0.0103	-2.5 to 2.5	Pass
64QAM	709	50	0	20	3.60	-9.600	-0.0135	-2.5 to 2.5	Pass
					3.91	-9.600	-0.0135	-2.5 to 2.5	Pass
					4.50	0.000	0.0000	-2.5 to 2.5	Pass
				-30	3.91	3.500	0.0049	-2.5 to 2.5	Pass
				-20	3.91	-0.400	-0.0006	-2.5 to 2.5	Pass
				-10	3.91	0.700	0.0010	-2.5 to 2.5	Pass

				0	3.91	-4.300	-0.0061	-2.5 to 2.5	Pass
				10	3.91	-2.800	-0.0039	-2.5 to 2.5	Pass
				30	3.91	-0.900	-0.0013	-2.5 to 2.5	Pass
				40	3.91	-0.700	-0.0010	-2.5 to 2.5	Pass
				50	3.91	-0.300	-0.0004	-2.5 to 2.5	Pass
	710	50	0	20	3.60	-4.800	-0.0068	-2.5 to 2.5	Pass
					3.91	-4.900	-0.0069	-2.5 to 2.5	Pass
					4.50	-2.800	-0.0039	-2.5 to 2.5	Pass
				-30	3.91	-3.600	-0.0051	-2.5 to 2.5	Pass
				-20	3.91	1.200	0.0017	-2.5 to 2.5	Pass
				-10	3.91	-2.500	-0.0035	-2.5 to 2.5	Pass
				0	3.91	-5.100	-0.0072	-2.5 to 2.5	Pass
				10	3.91	-0.400	-0.0006	-2.5 to 2.5	Pass
				30	3.91	-3.400	-0.0048	-2.5 to 2.5	Pass
				40	3.91	-4.600	-0.0065	-2.5 to 2.5	Pass
				50	3.91	0.700	0.0010	-2.5 to 2.5	Pass
	711	50	0	20	3.60	-4.000	-0.0056	-2.5 to 2.5	Pass
					3.91	-0.900	-0.0013	-2.5 to 2.5	Pass
					4.50	-3.200	-0.0045	-2.5 to 2.5	Pass
				-30	3.91	-0.500	-0.0007	-2.5 to 2.5	Pass
				-20	3.91	-2.700	-0.0038	-2.5 to 2.5	Pass
				-10	3.91	0.400	0.0006	-2.5 to 2.5	Pass
				0	3.91	-3.300	-0.0046	-2.5 to 2.5	Pass
				10	3.91	-1.100	-0.0015	-2.5 to 2.5	Pass
				30	3.91	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	3.91	-1.600	-0.0023	-2.5 to 2.5	Pass
				50	3.91	-0.400	-0.0006	-2.5 to 2.5	Pass
256QAM	709	50	0	20	3.60	1.000	0.0014	-2.5 to 2.5	Pass
					3.91	-0.800	-0.0011	-2.5 to 2.5	Pass
					4.50	1.500	0.0021	-2.5 to 2.5	Pass
				-30	3.91	0.600	0.0008	-2.5 to 2.5	Pass
				-20	3.91	-0.300	-0.0004	-2.5 to 2.5	Pass
				-10	3.91	-1.800	-0.0025	-2.5 to 2.5	Pass
				0	3.91	-4.300	-0.0061	-2.5 to 2.5	Pass
				10	3.91	-3.200	-0.0045	-2.5 to 2.5	Pass
				30	3.91	-4.800	-0.0068	-2.5 to 2.5	Pass
				40	3.91	-1.900	-0.0027	-2.5 to 2.5	Pass
				50	3.91	-2.200	-0.0031	-2.5 to 2.5	Pass
	710	50	0	20	3.60	-1.700	-0.0024	-2.5 to 2.5	Pass
					3.91	3.000	0.0042	-2.5 to 2.5	Pass
					4.50	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.91	0.500	0.0007	-2.5 to 2.5	Pass
				-20	3.91	-2.300	-0.0032	-2.5 to 2.5	Pass
				-10	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.91	-4.300	-0.0061	-2.5 to 2.5	Pass
				10	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.91	-1.500	-0.0021	-2.5 to 2.5	Pass
				40	3.91	-1.600	-0.0023	-2.5 to 2.5	Pass
				50	3.91	-2.300	-0.0032	-2.5 to 2.5	Pass
	711	50	0	20	3.60	0.200	0.0003	-2.5 to 2.5	Pass
					3.91	-3.300	-0.0046	-2.5 to 2.5	Pass
					4.50	0.800	0.0011	-2.5 to 2.5	Pass
				-30	3.91	-0.800	-0.0011	-2.5 to 2.5	Pass
				-20	3.91	-4.500	-0.0063	-2.5 to 2.5	Pass
				-10	3.91	-2.800	-0.0039	-2.5 to 2.5	Pass
				0	3.91	-2.800	-0.0039	-2.5 to 2.5	Pass
				10	3.91	-1.500	-0.0021	-2.5 to 2.5	Pass
				30	3.91	0.500	0.0007	-2.5 to 2.5	Pass
				40	3.91	-0.800	-0.0011	-2.5 to 2.5	Pass

				50	3.91	-3.300	-0.0046	-2.5 to 2.5	Pass
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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	4.547	/	Pass
		710	25	0	4.528	/	Pass
		713.5	25	0	4.538	/	Pass
	16QAM	706.5	25	0	4.536	/	Pass
		710	25	0	4.529	/	Pass
		713.5	25	0	4.555	/	Pass
	64QAM	706.5	25	0	4.552	/	Pass
		710	25	0	4.519	/	Pass
		713.5	25	0	4.544	/	Pass
	256QAM	706.5	25	0	4.527	/	Pass
		710	25	0	4.508	/	Pass
		713.5	25	0	4.540	/	Pass
10	QPSK	709	50	0	9.025	/	Pass
		710	50	0	9.077	/	Pass
		711	50	0	9.079	/	Pass
	16QAM	709	50	0	8.981	/	Pass
		710	50	0	9.004	/	Pass
		711	50	0	9.038	/	Pass
	64QAM	709	50	0	9.013	/	Pass
		710	50	0	9.028	/	Pass
		711	50	0	9.048	/	Pass
	256QAM	709	50	0	8.986	/	Pass
		710	50	0	9.002	/	Pass
		711	50	0	9.028	/	Pass

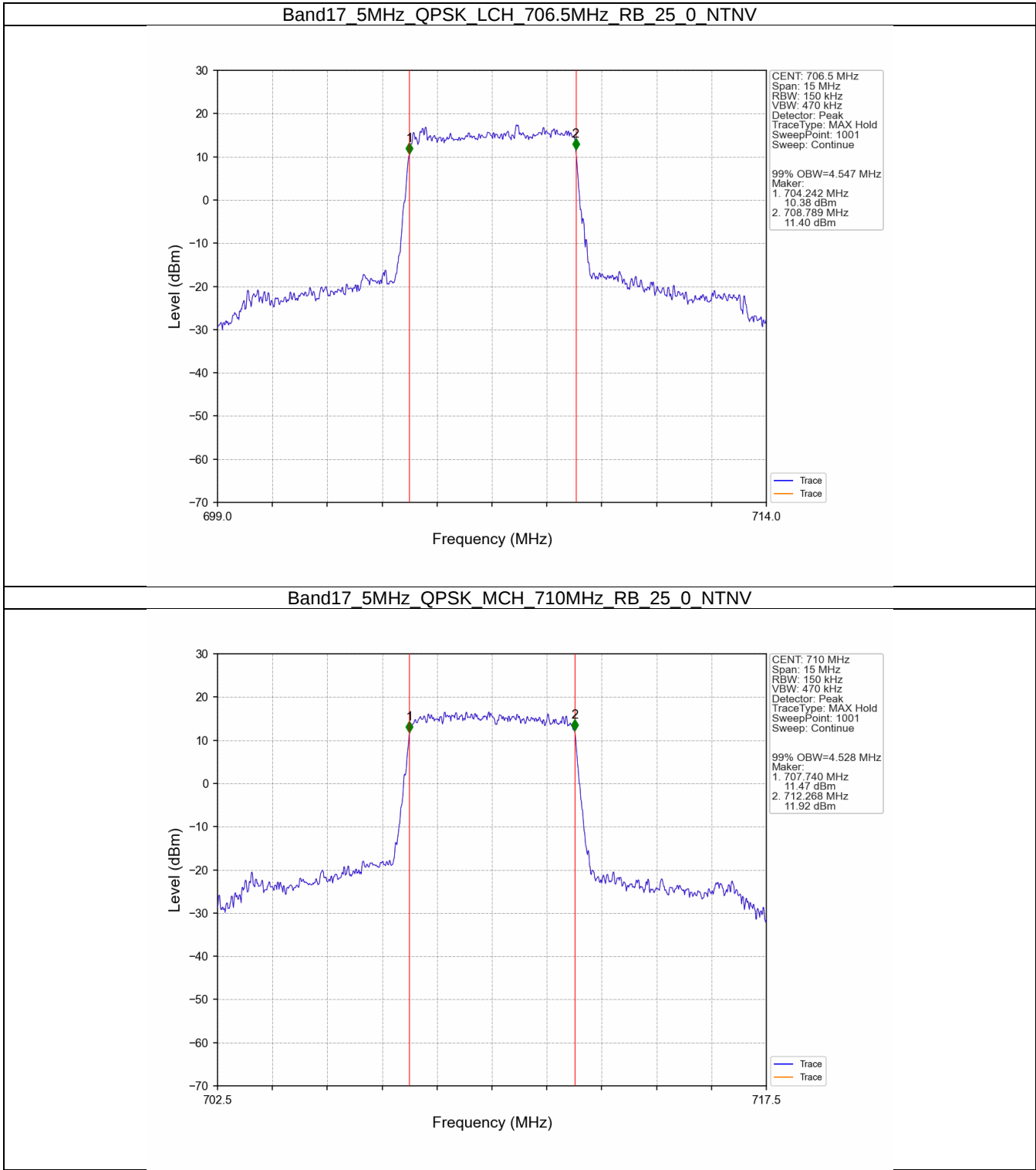
3.1.2 Band17_XDB

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.013	/	Pass
		710	25	0	5.037	/	Pass
		713.5	25	0	5.056	/	Pass
	16QAM	706.5	25	0	5.079	/	Pass
		710	25	0	5.004	/	Pass
		713.5	25	0	5.054	/	Pass
	64QAM	706.5	25	0	5.089	/	Pass
		710	25	0	5.026	/	Pass
		713.5	25	0	5.051	/	Pass
	256QAM	706.5	25	0	5.037	/	Pass
		710	25	0	4.950	/	Pass
		713.5	25	0	5.044	/	Pass
10	QPSK	709	50	0	9.836	/	Pass
		710	50	0	9.926	/	Pass

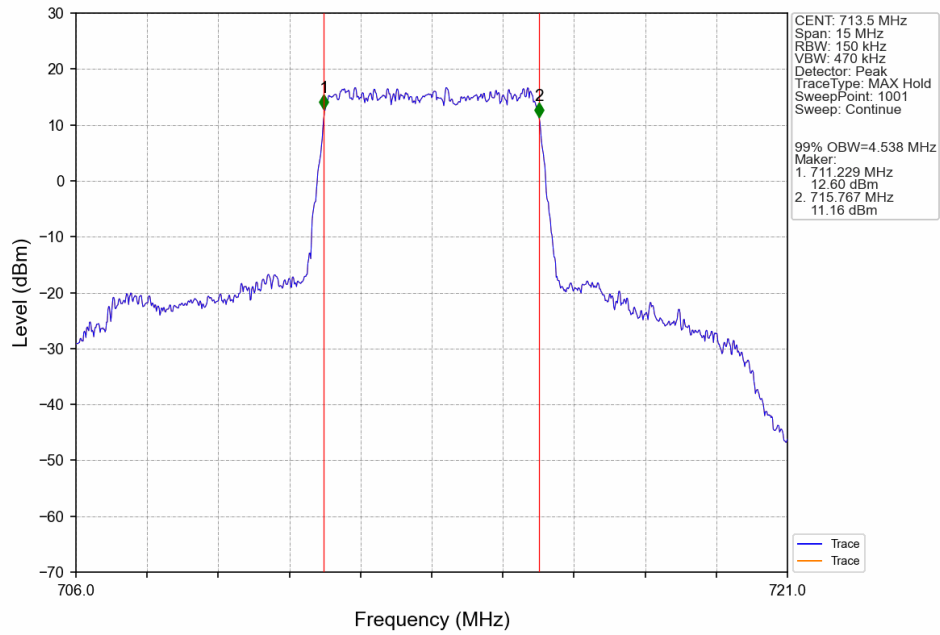
	16QAM	711	50	0	9.962	/	Pass
		709	50	0	9.877	/	Pass
		710	50	0	9.829	/	Pass
		711	50	0	9.874	/	Pass
	64QAM	709	50	0	9.931	/	Pass
		710	50	0	9.965	/	Pass
		711	50	0	9.934	/	Pass
	256QAM	709	50	0	9.850	/	Pass
		710	50	0	9.904	/	Pass
		711	50	0	9.931	/	Pass

3.2 Test Graph

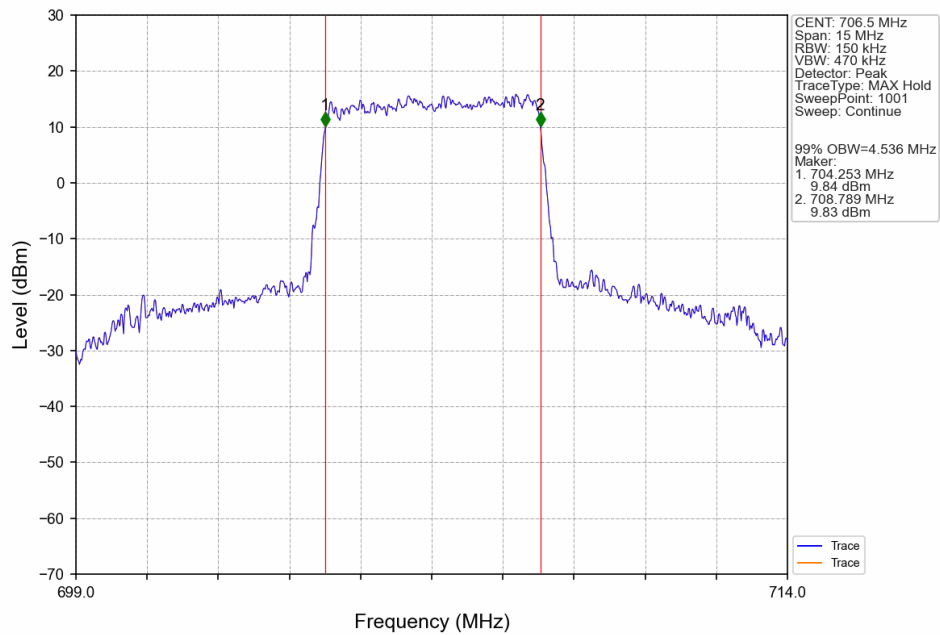
3.2.1 Band17_OBW



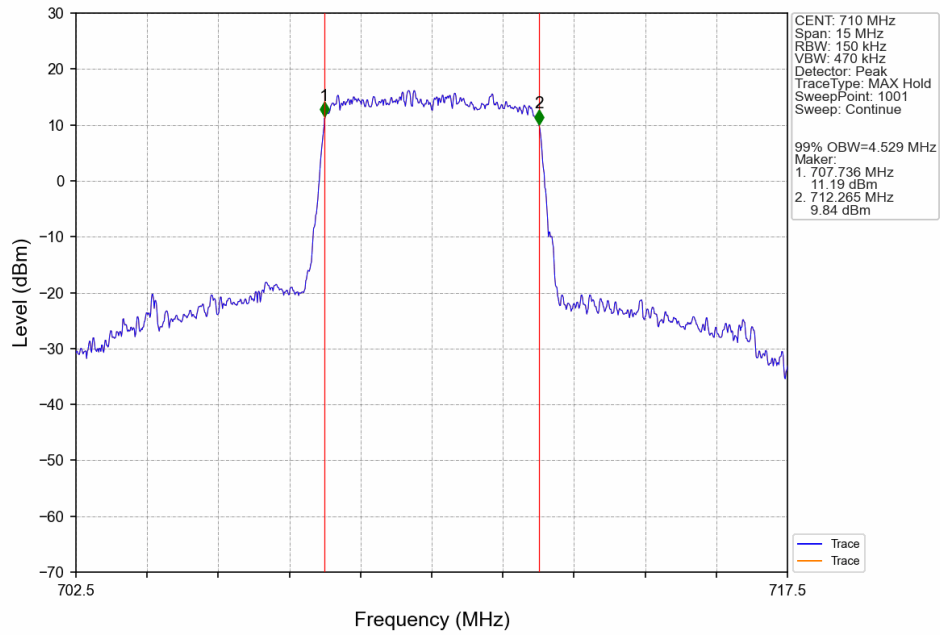
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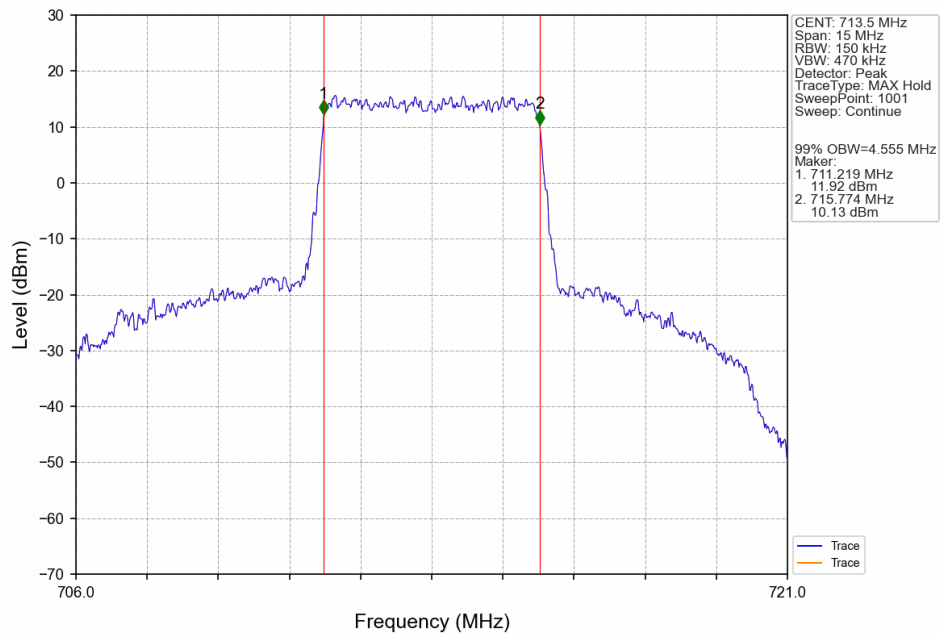
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



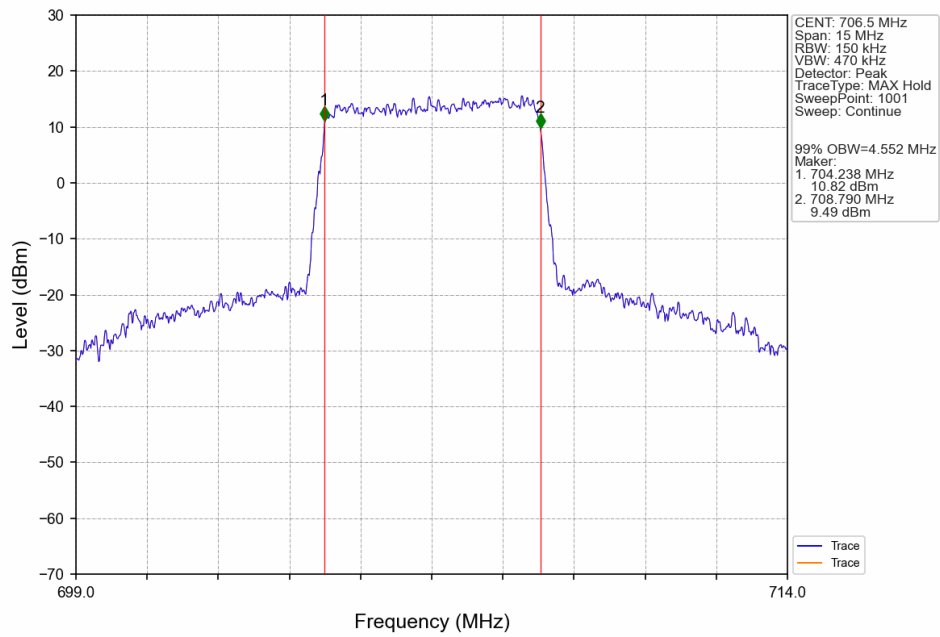
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



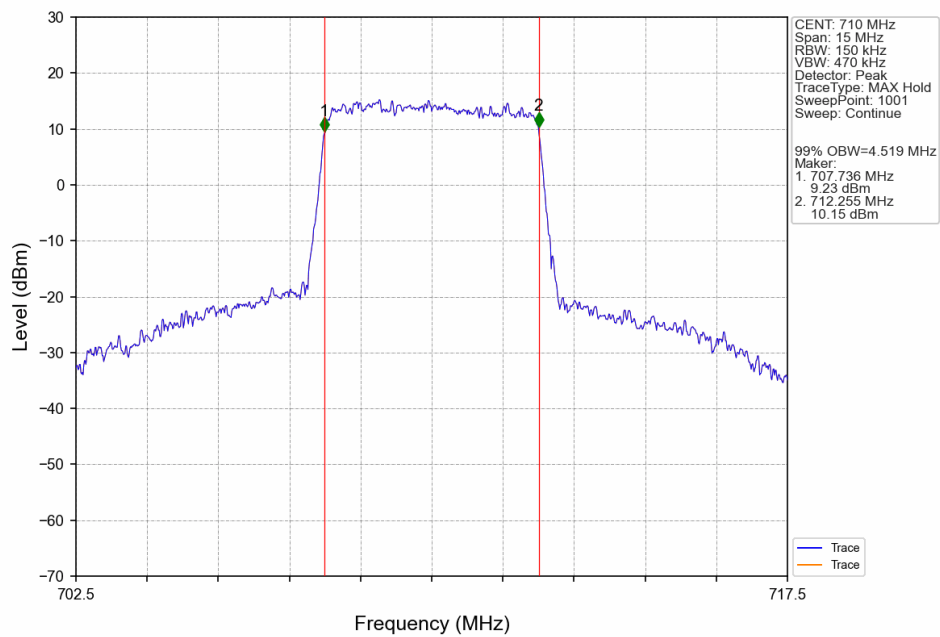
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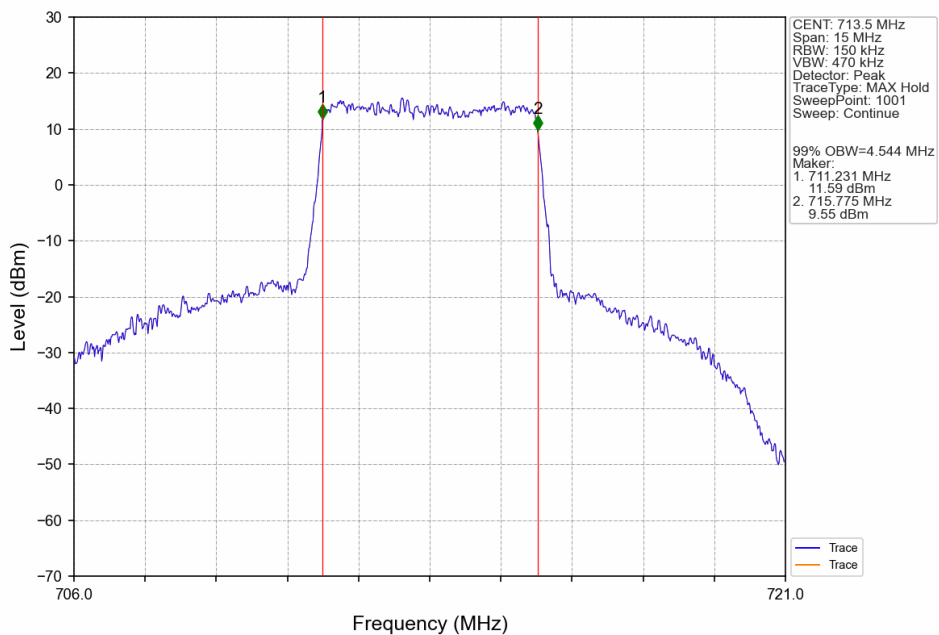
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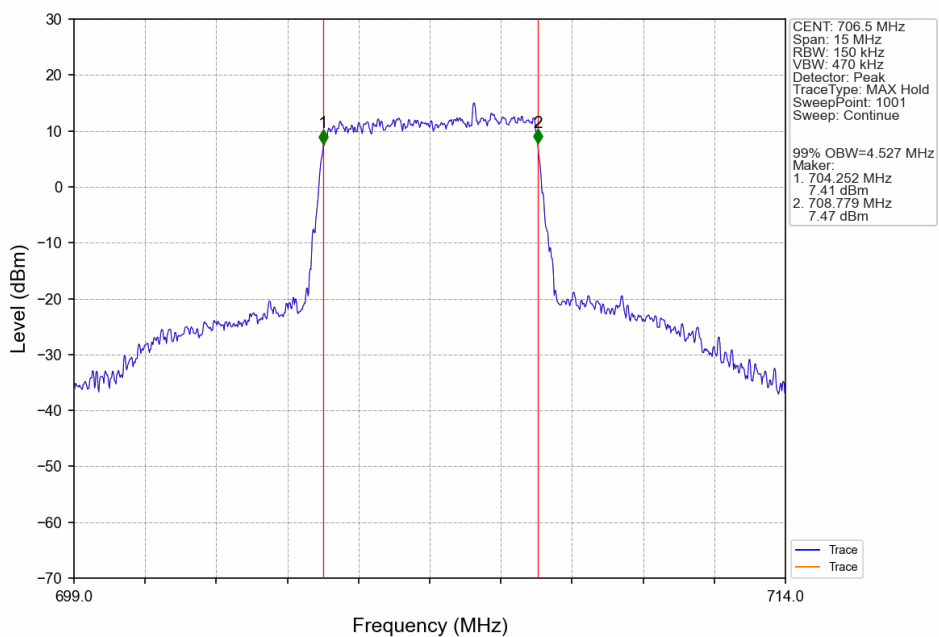
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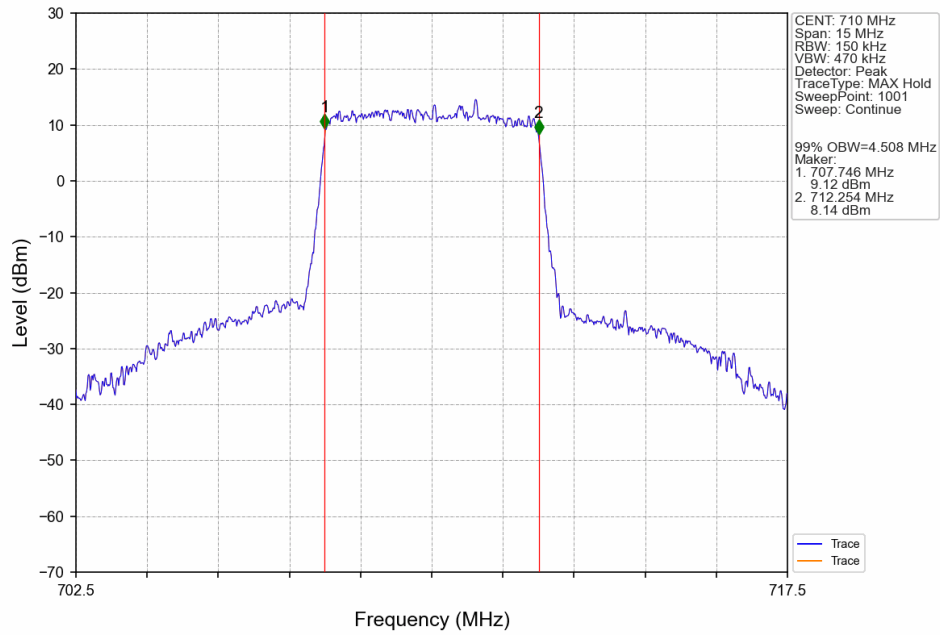
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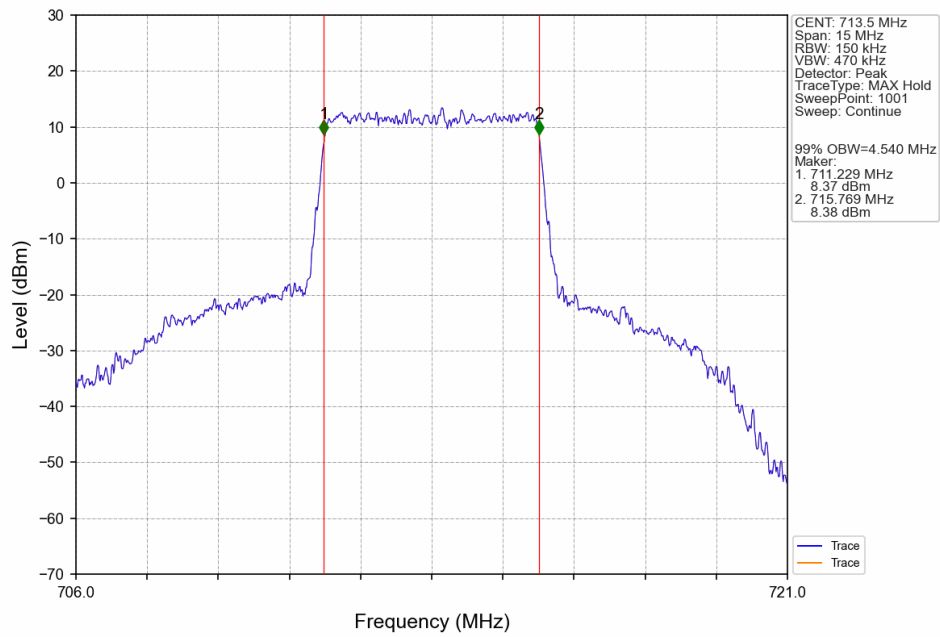
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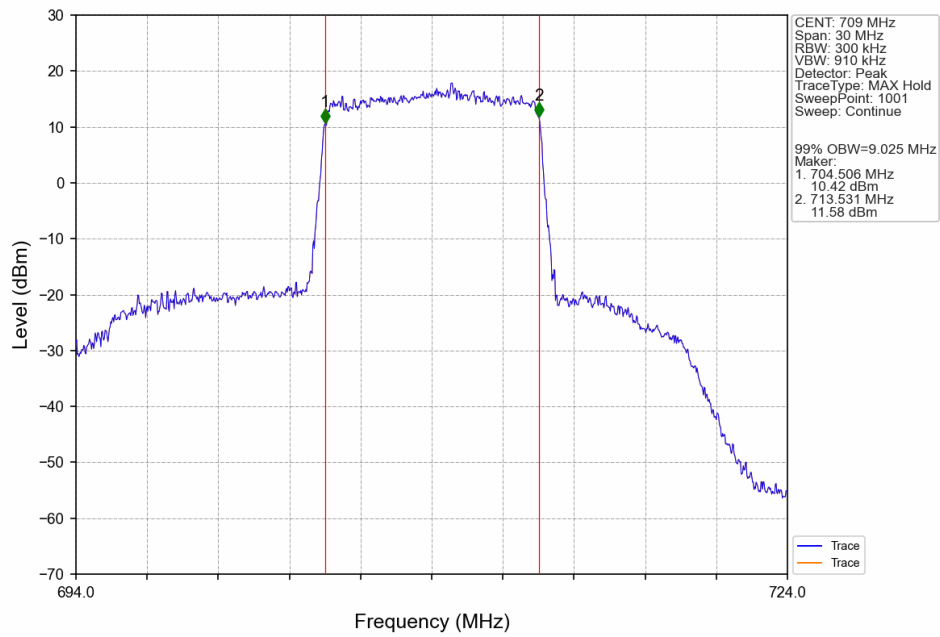
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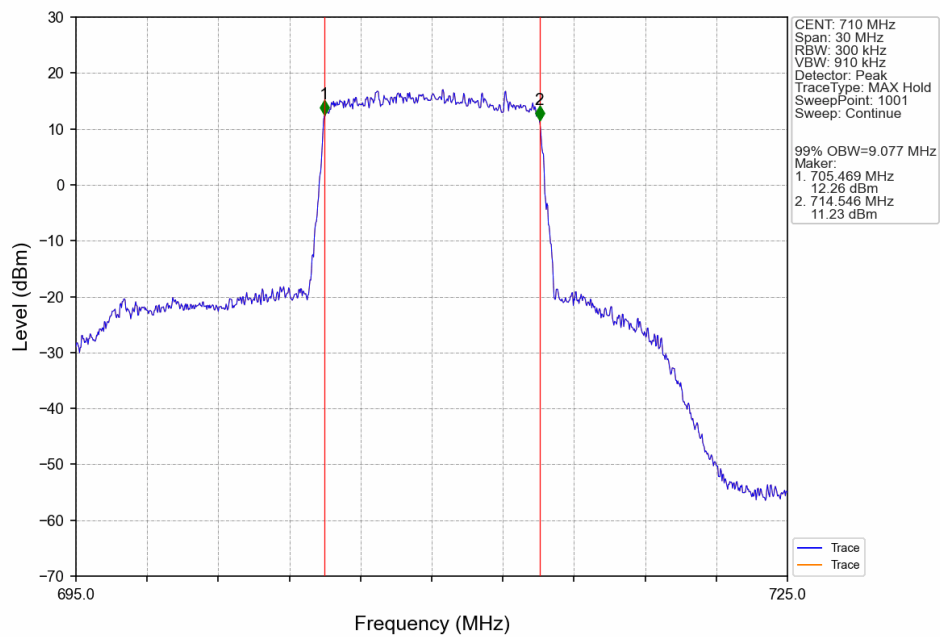
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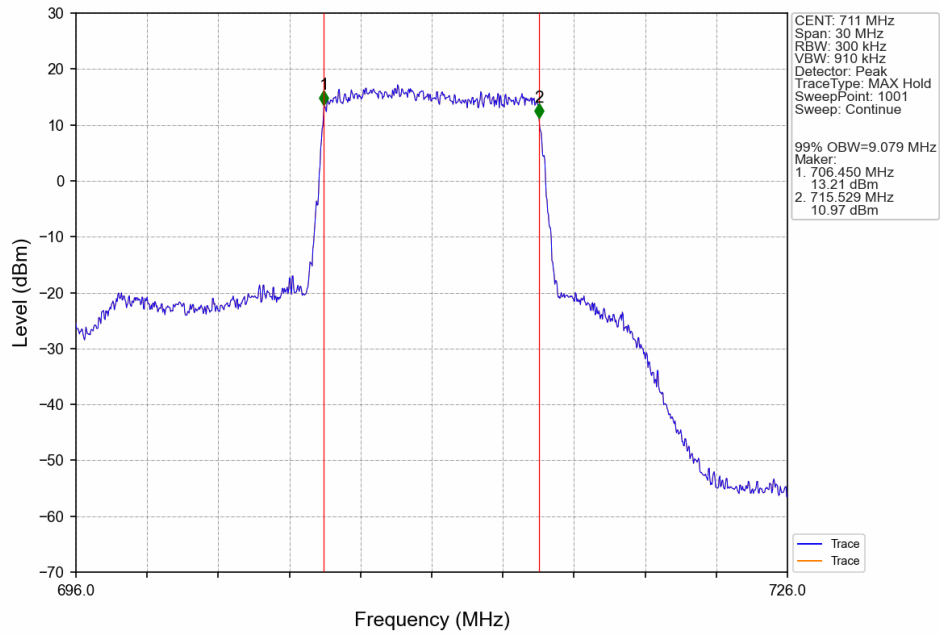
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



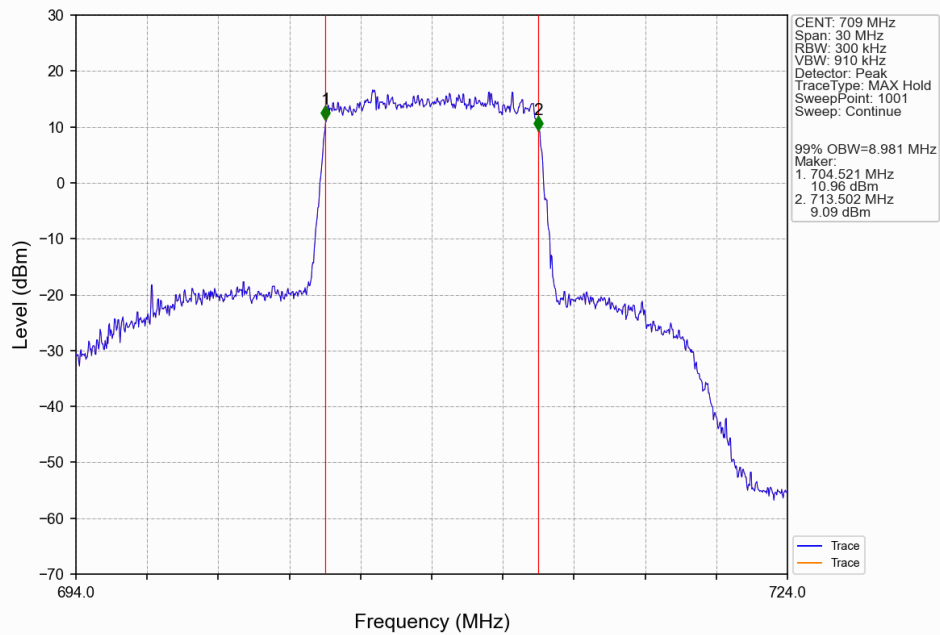
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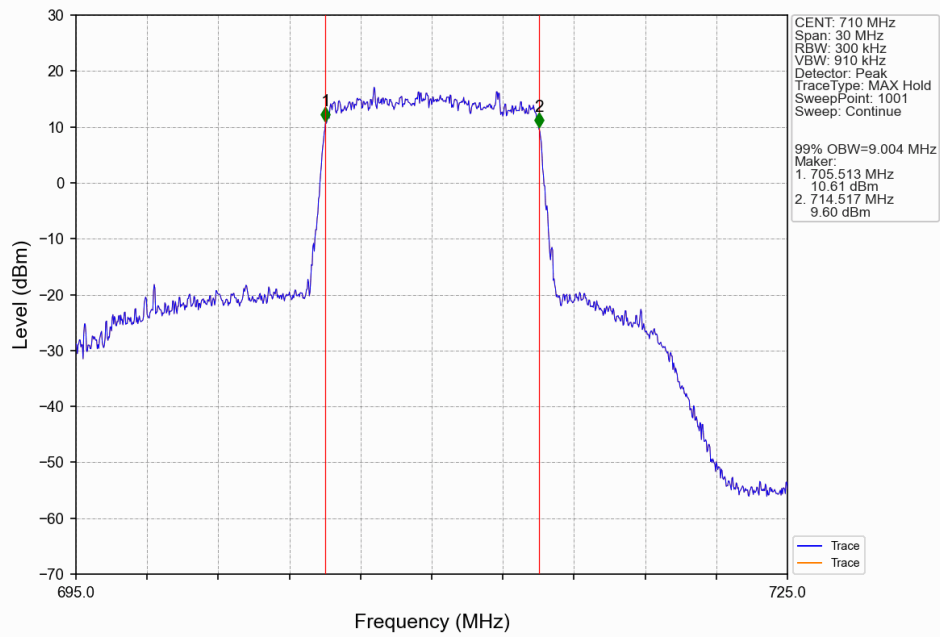
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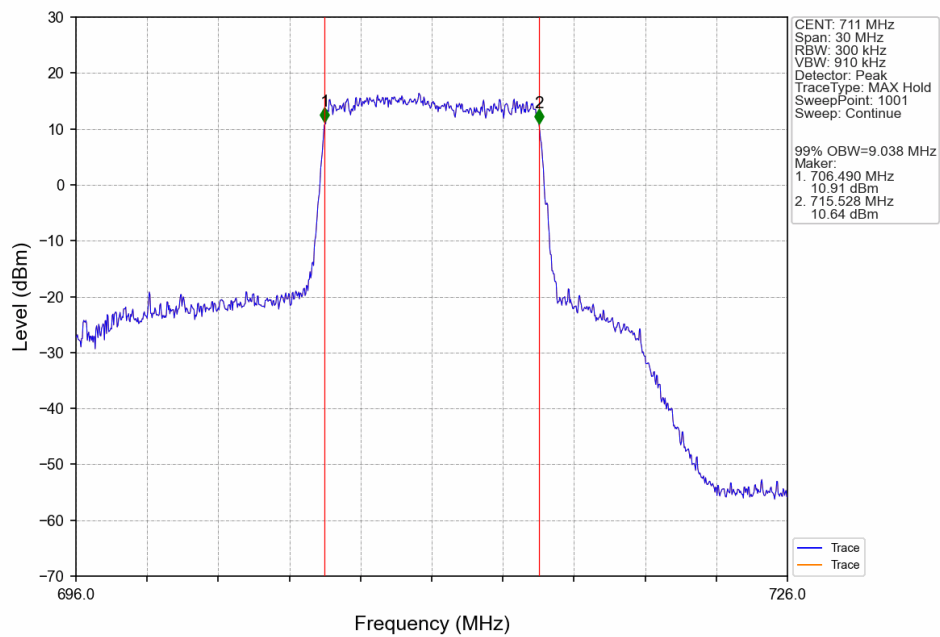
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



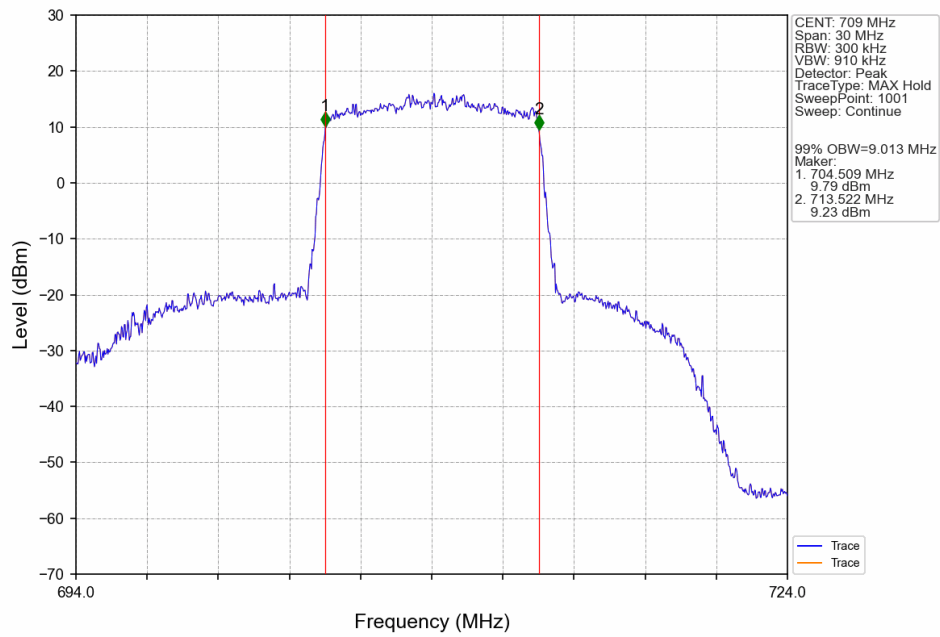
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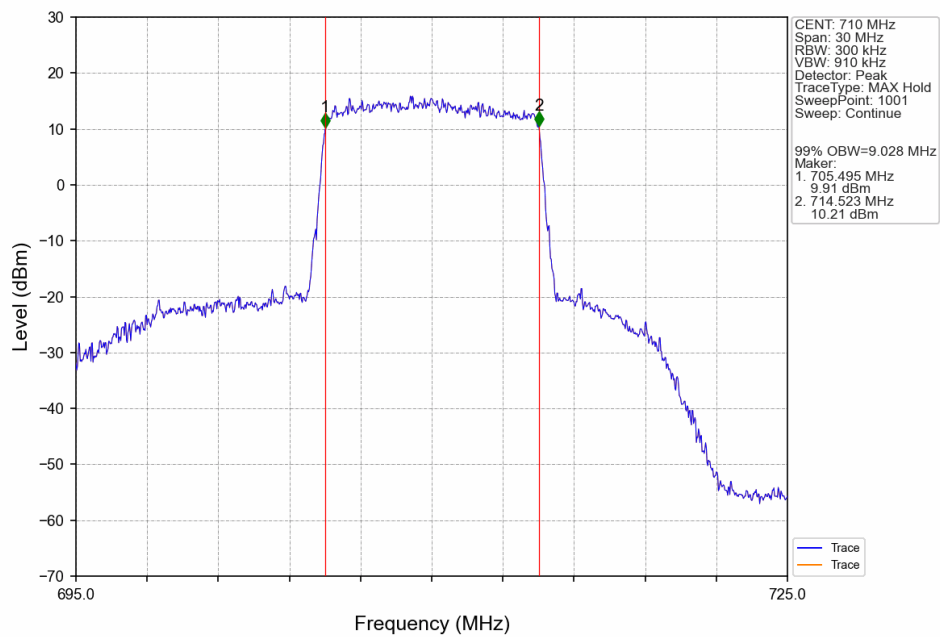
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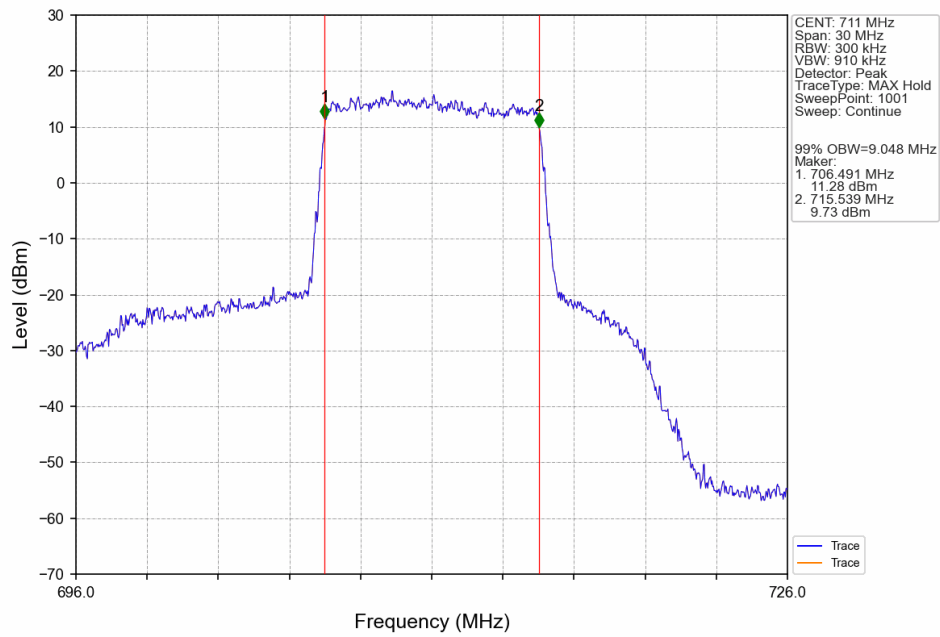
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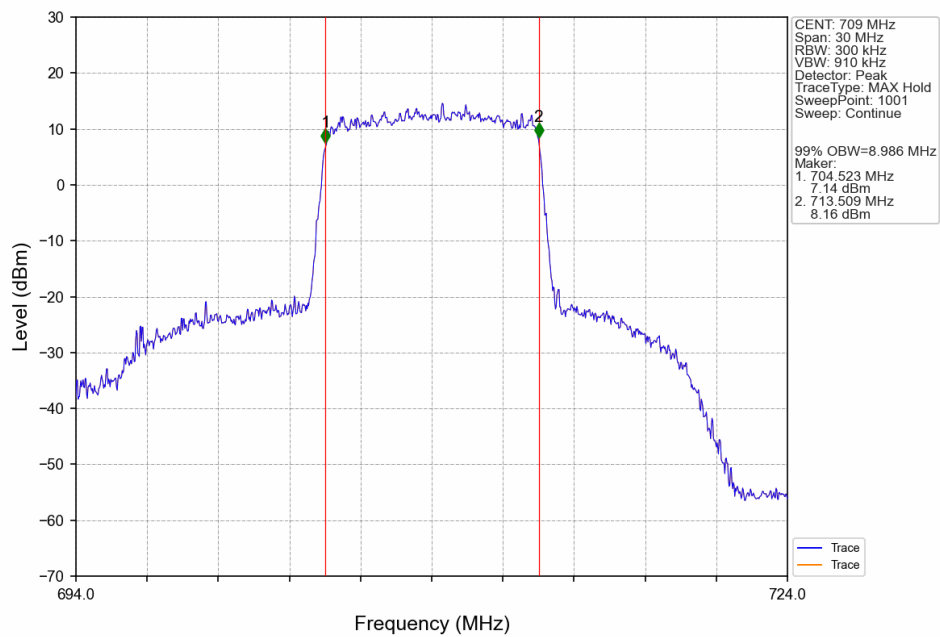
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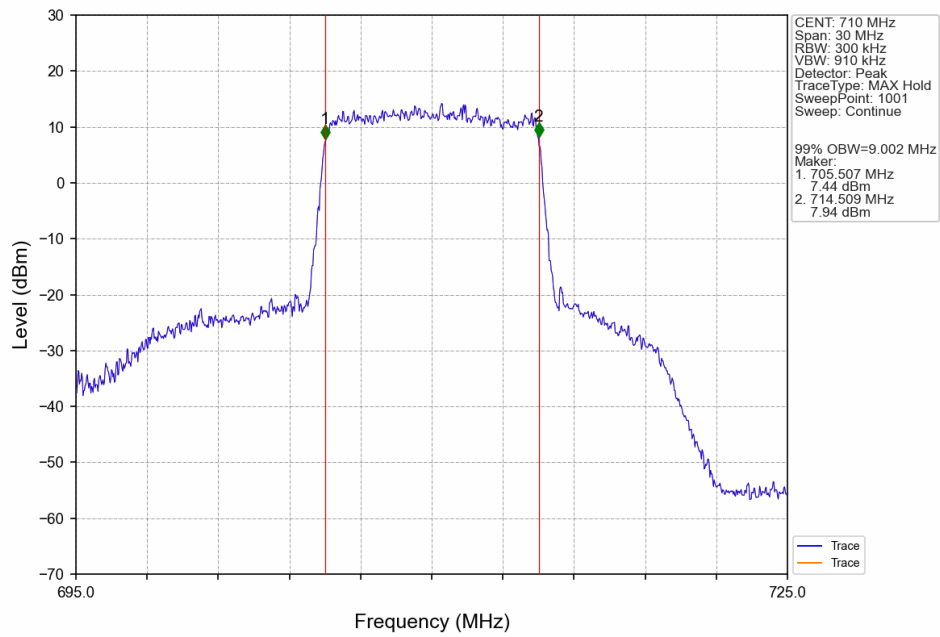
Band17 10MHz 64QAM HCH 711MHz RB 50 0 NTV



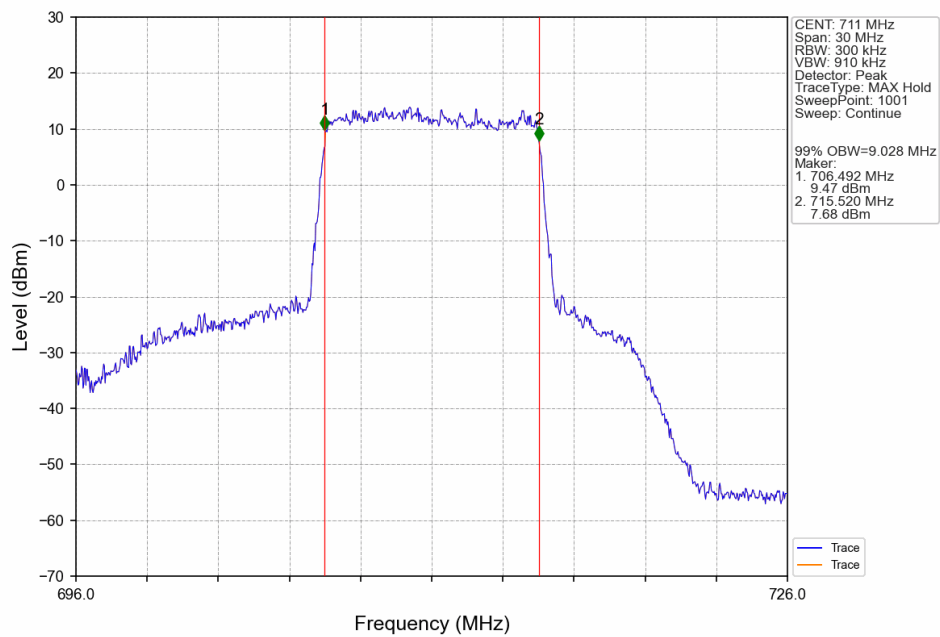
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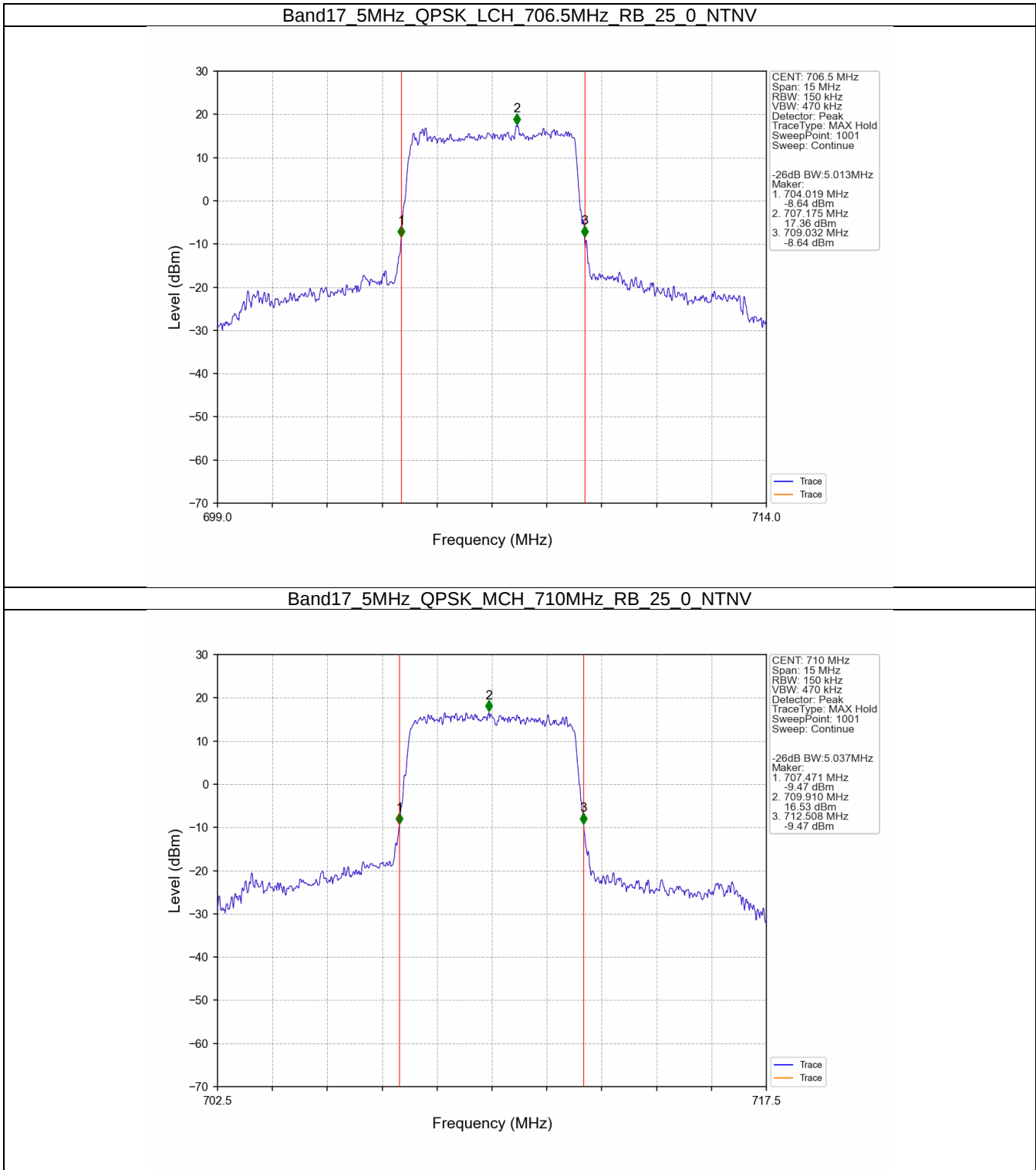
Band17 10MHz 256QAM MCH 710MHz RB 50 0 NTNV



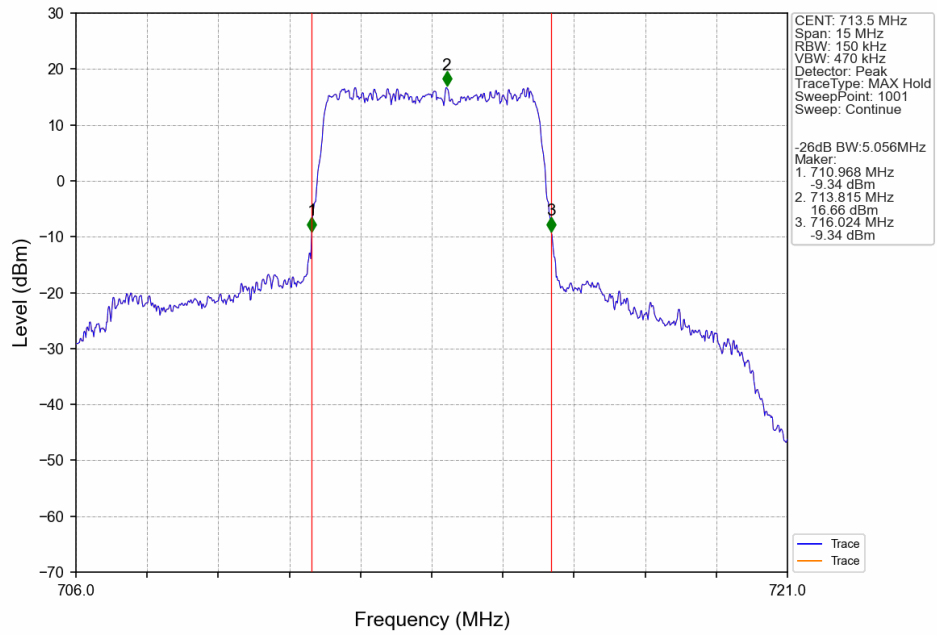
Band17 10MHz 256QAM HCH 711MHz RB 50 0 NTNV



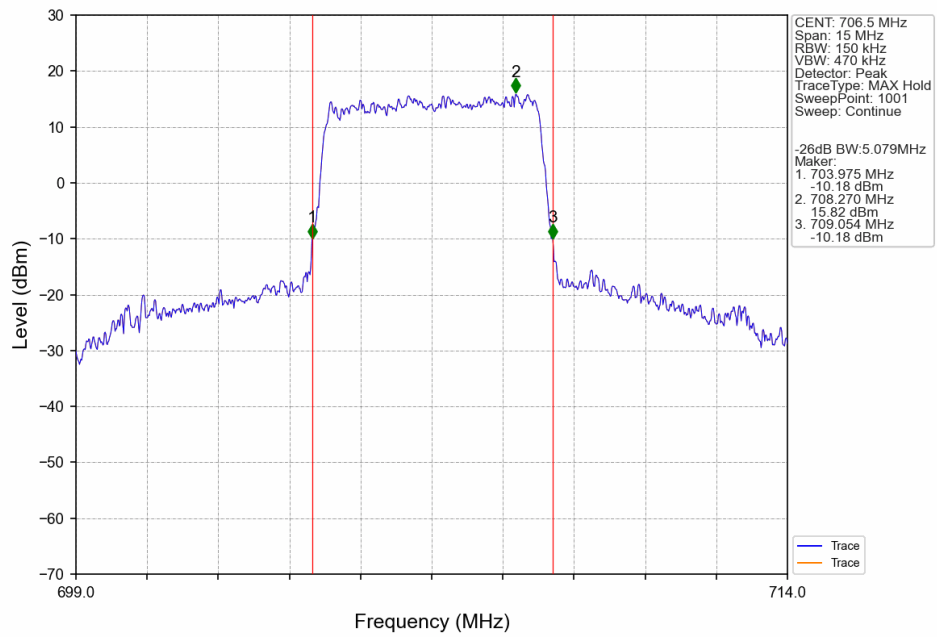
3.2.2 Band17_XDB



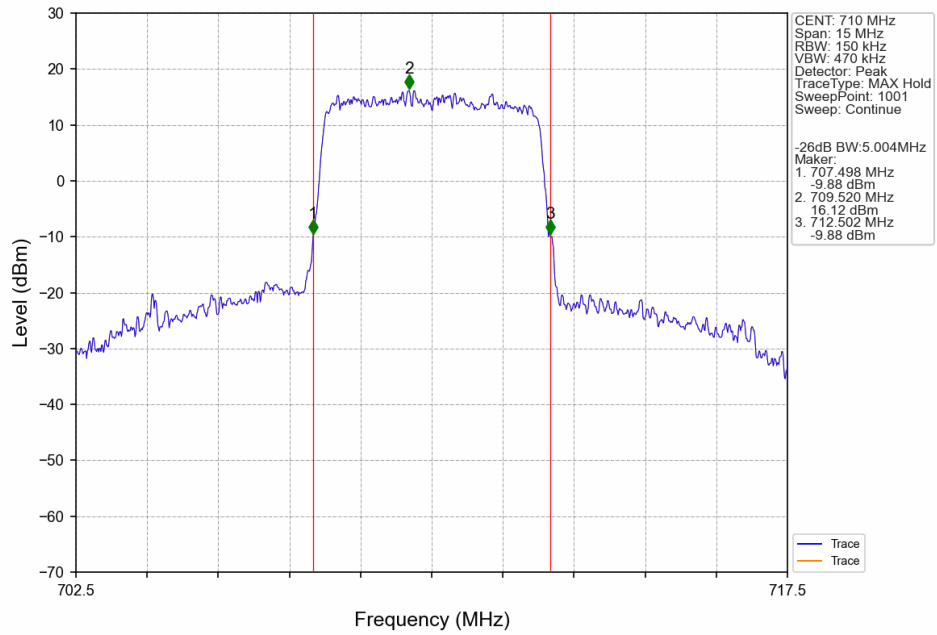
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



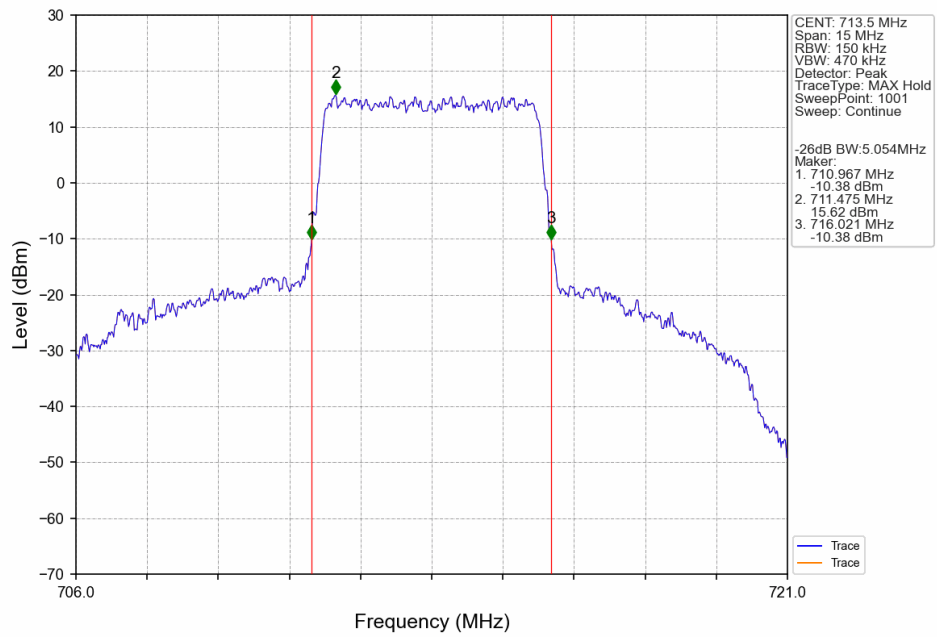
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



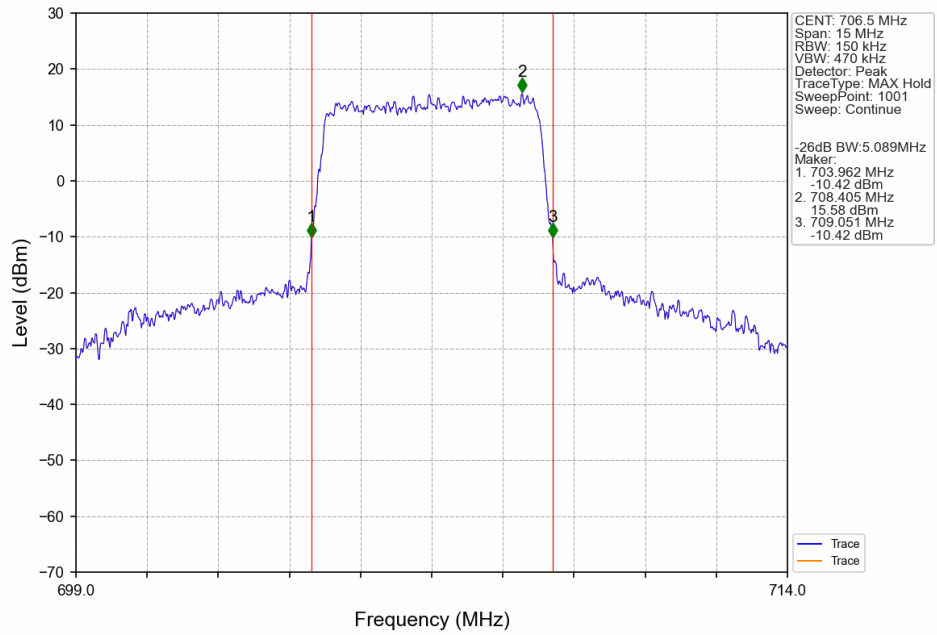
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



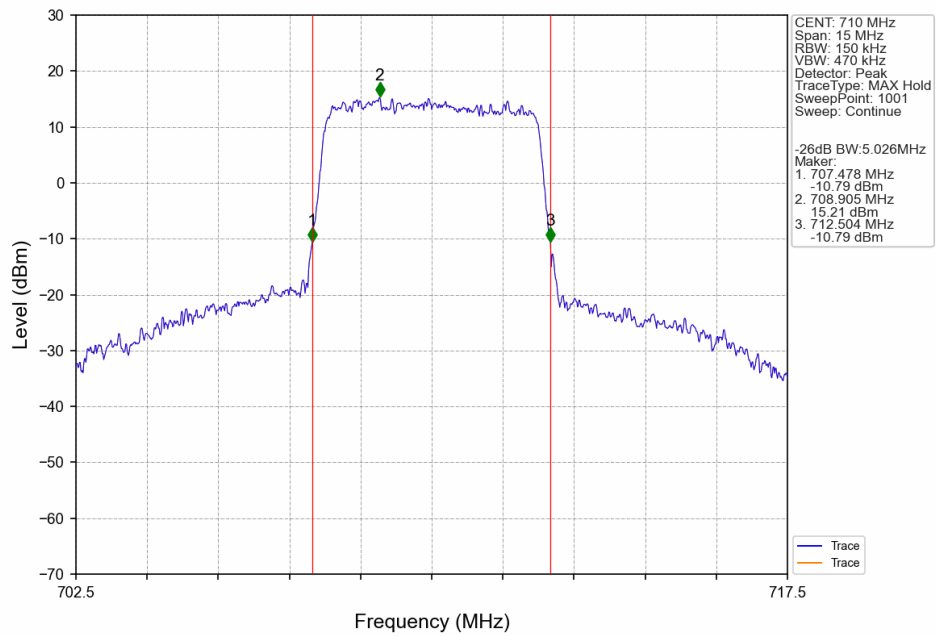
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



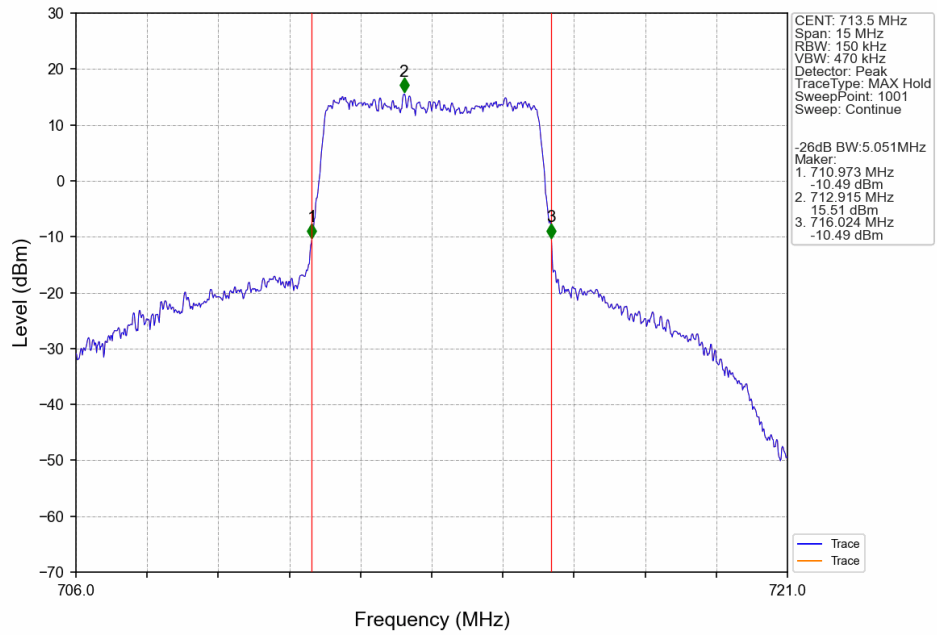
Band17 5MHz 64QAM LCH 706.5MHz RB 25 0 NTNV



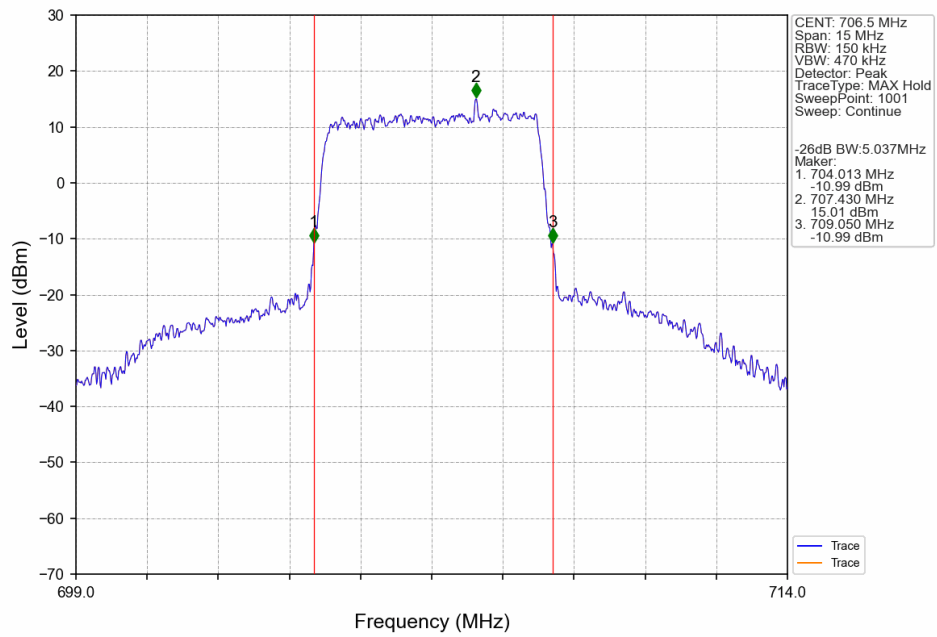
Band17 5MHz 64QAM MCH 710MHz RB 25 0 NTNV



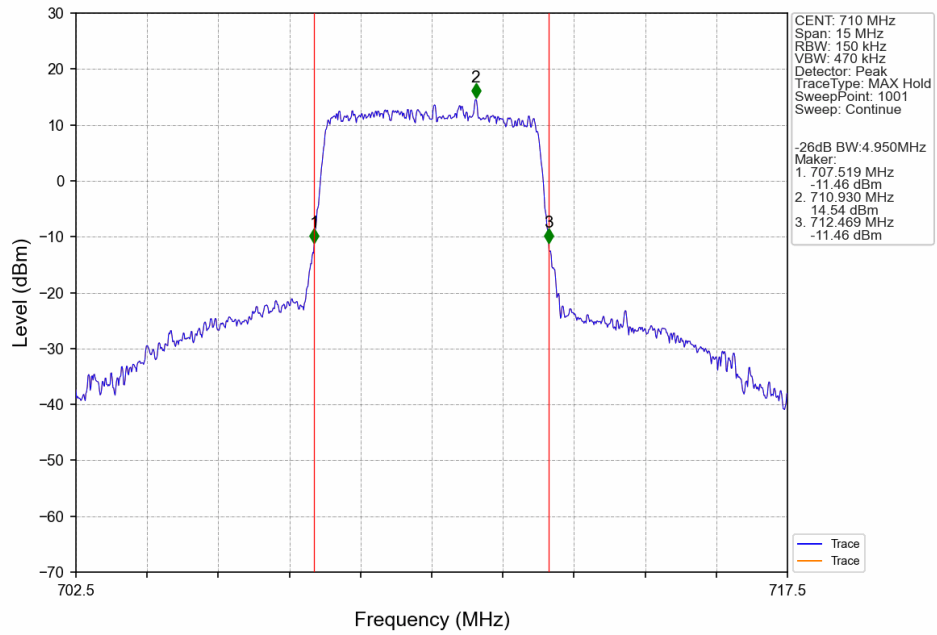
Band17 5MHz 64QAM HCH 713.5MHz RB 25 0 NTV



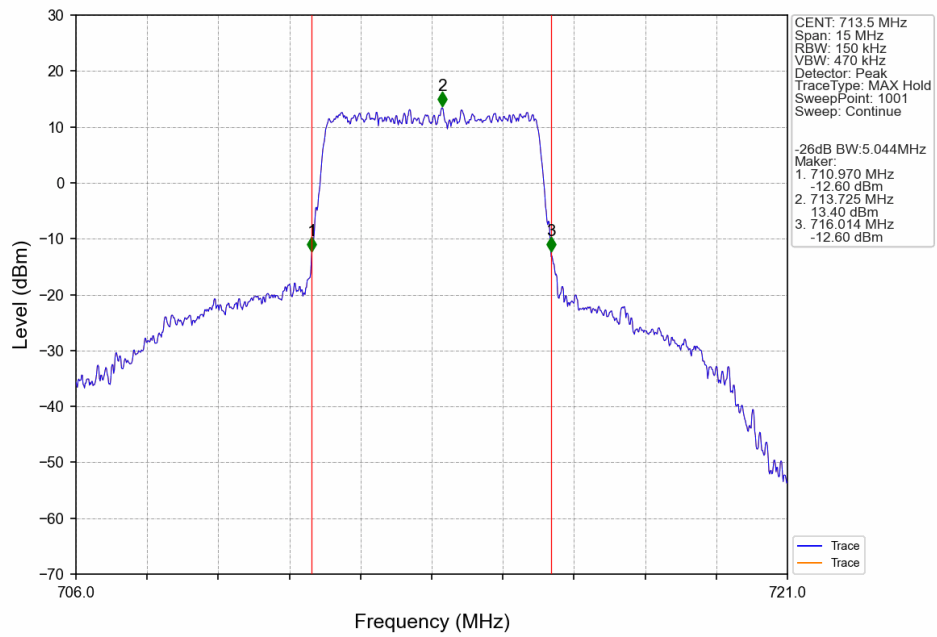
Band17 5MHz 256QAM LCH 706.5MHz RB 25 0 NTV



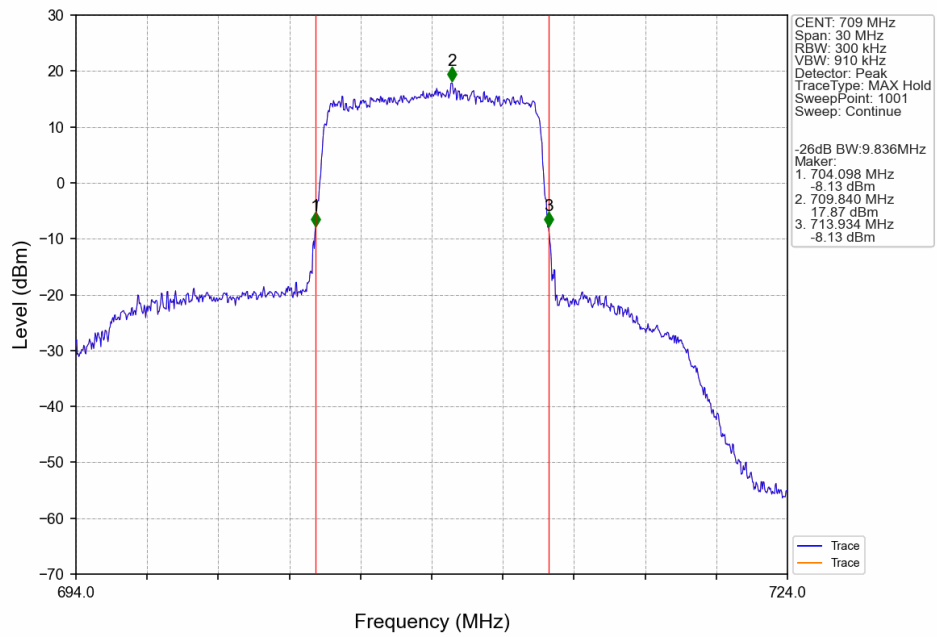
Band17 5MHz 256QAM MCH 710MHz RB 25 0 NTNV



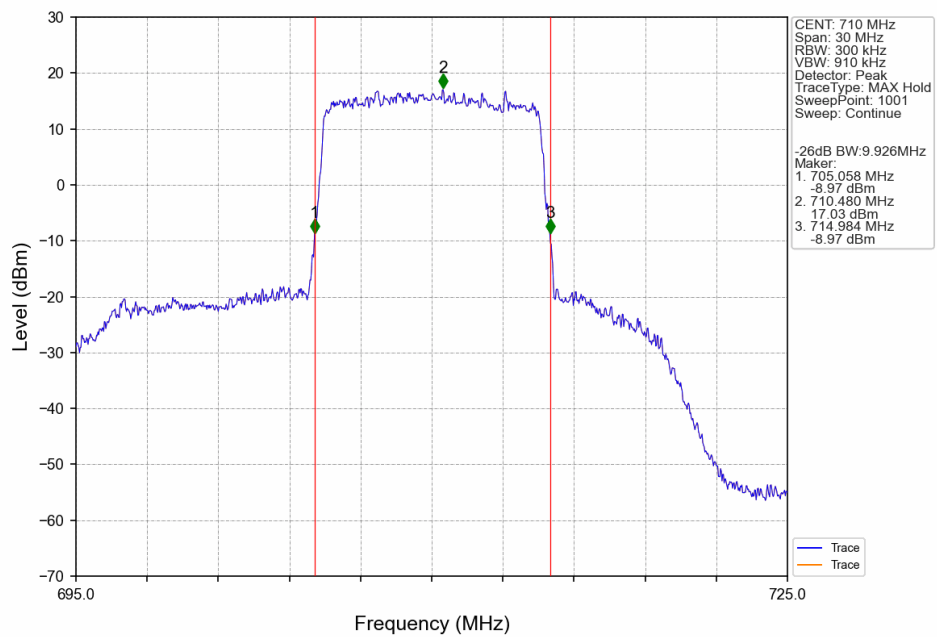
Band17 5MHz 256QAM HCH 713.5MHz RB 25 0 NTNV



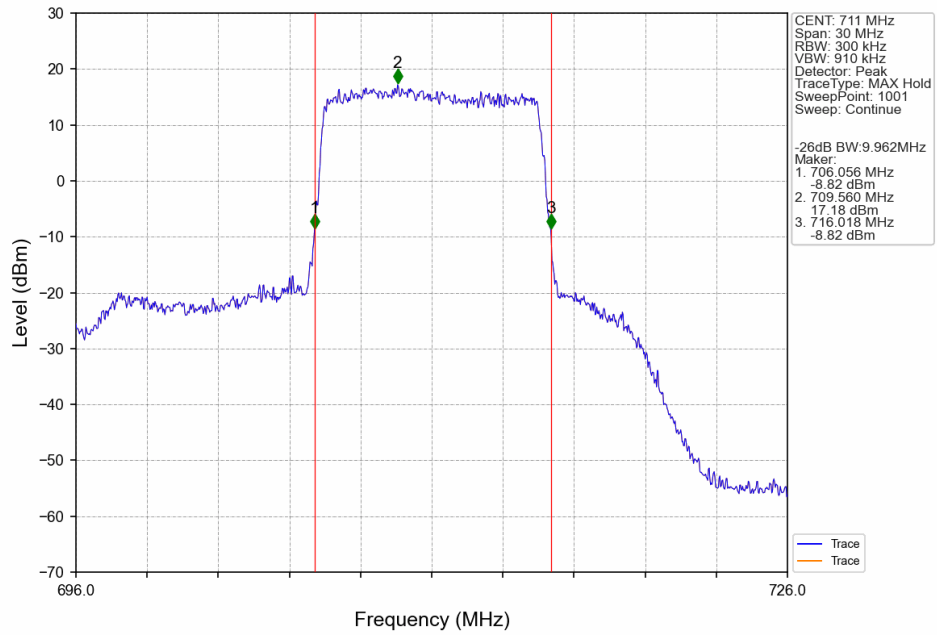
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



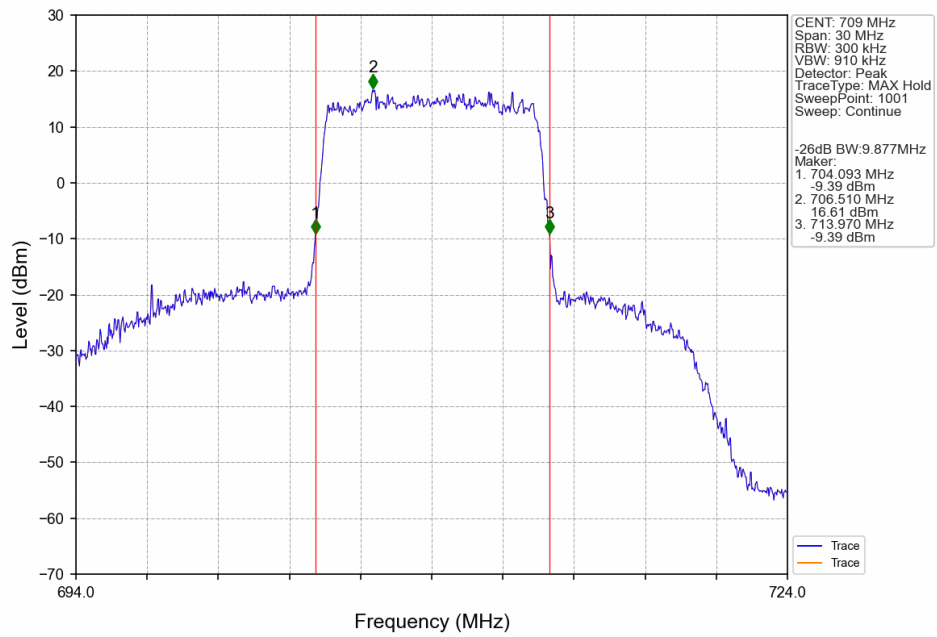
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



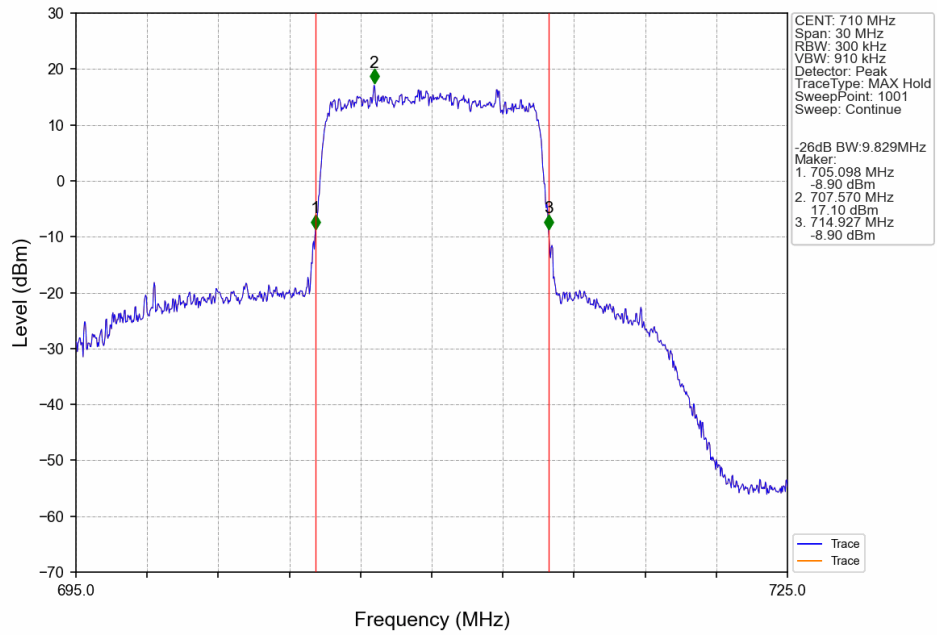
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



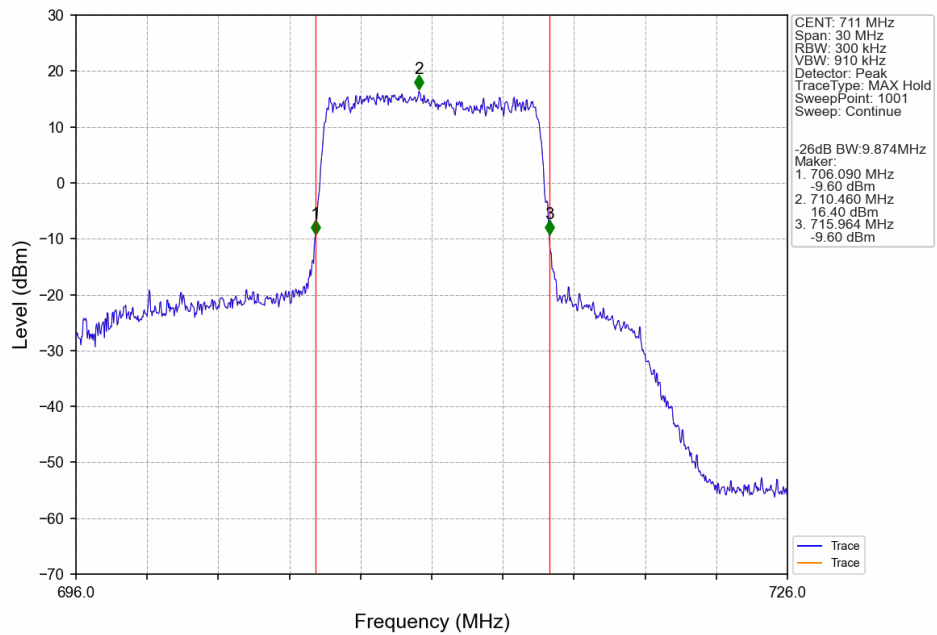
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



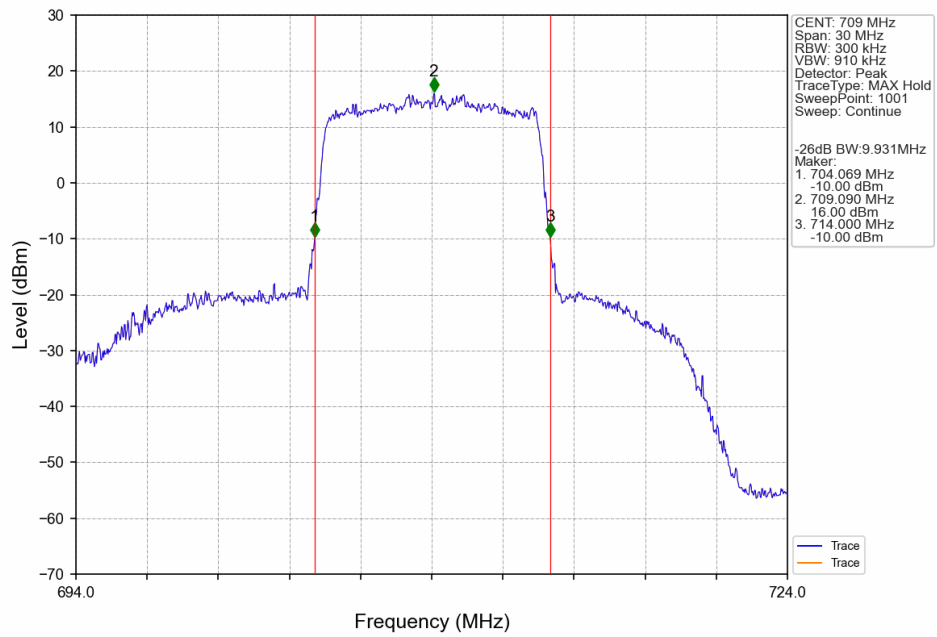
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



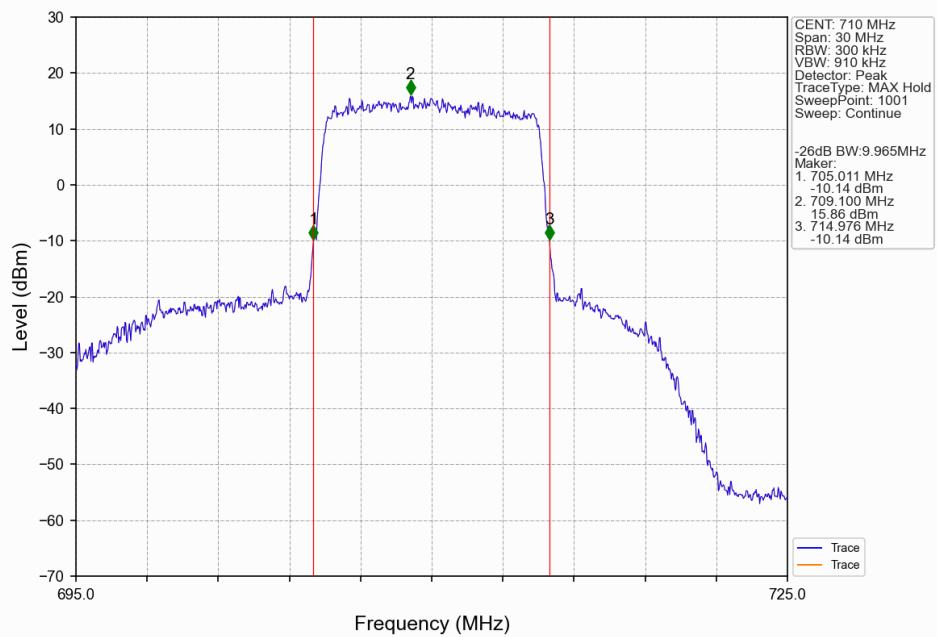
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



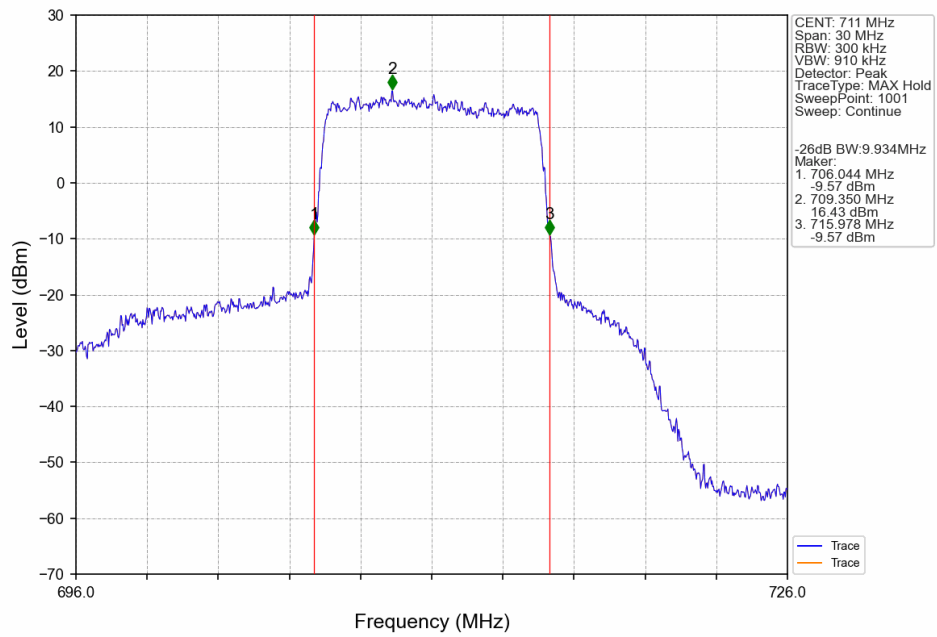
Band17 10MHz 64QAM LCH 709MHz RB 50 0 NTNV



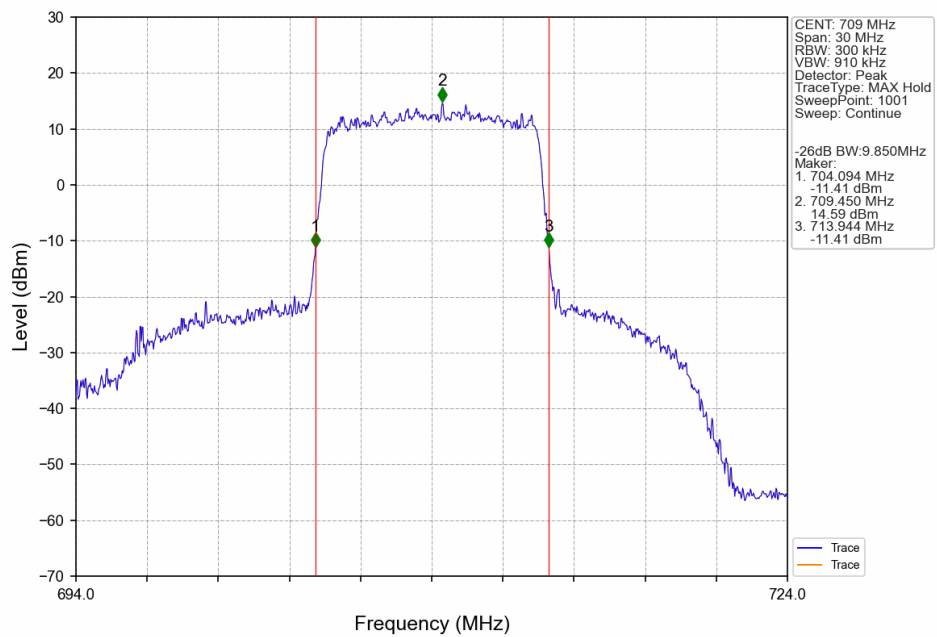
Band17 10MHz 64QAM MCH 710MHz RB 50 0 NTNV



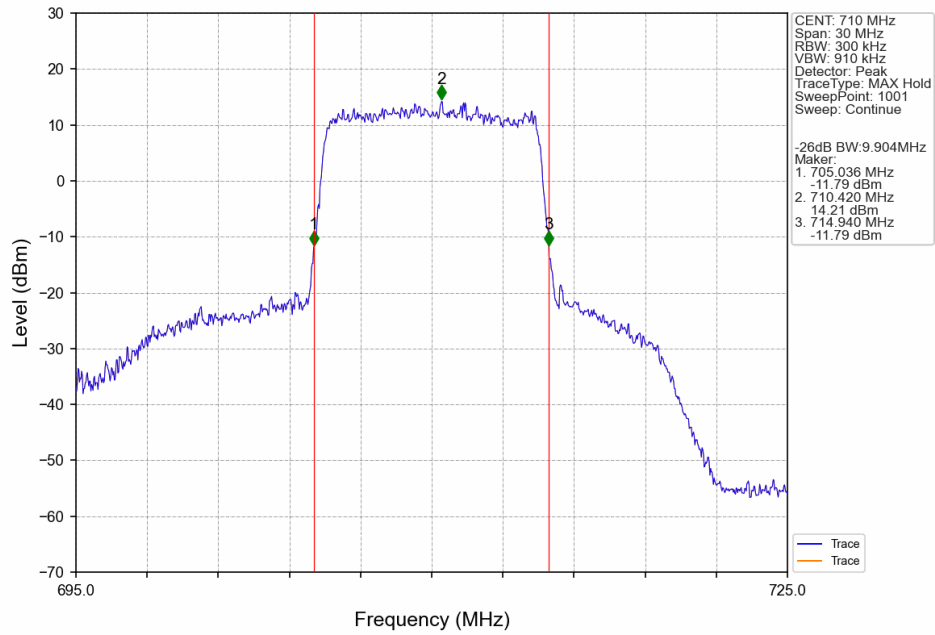
Band17 10MHz 64QAM HCH 711MHz RB 50 0 NTV



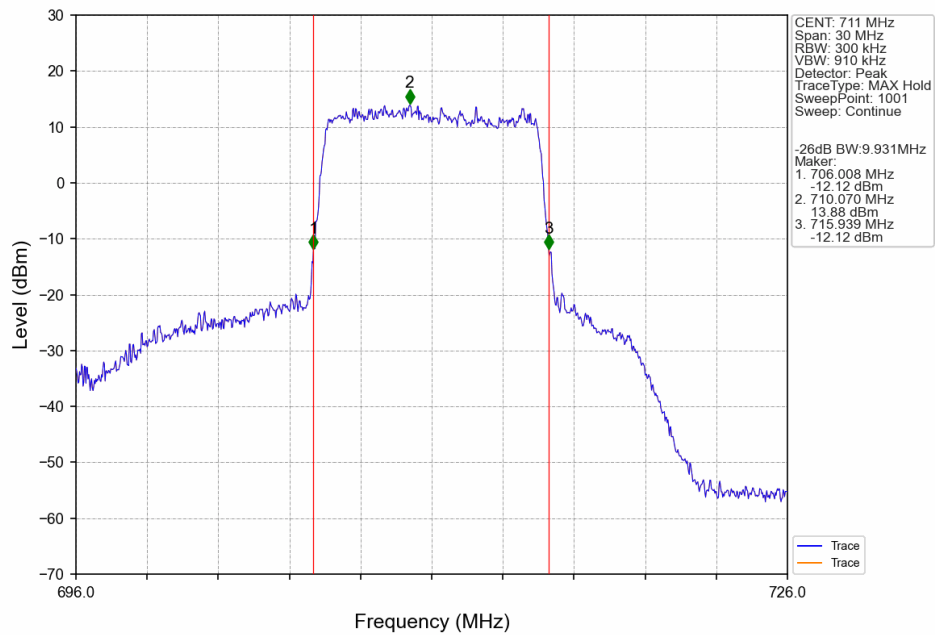
Band17 10MHz 256QAM LCH 709MHz RB 50 0 NTV



Band17 10MHz 256QAM MCH 710MHz RB 50 0 NTNV



Band17 10MHz 256QAM HCH 711MHz RB 50 0 NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B17_5MHz

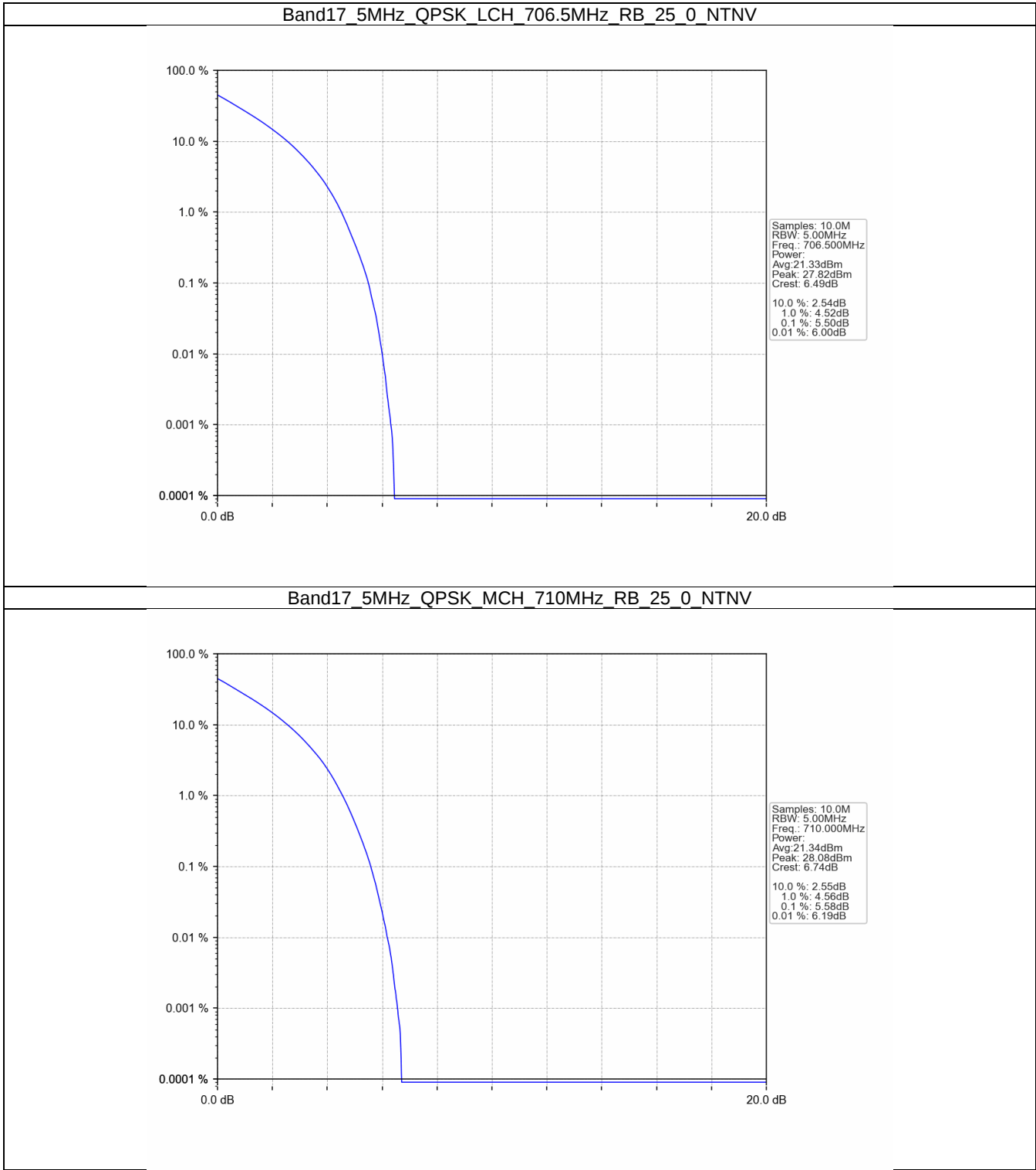
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.50	<=13	Pass
	710	25	0	5.58	<=13	Pass
	713.5	25	0	5.68	<=13	Pass
16QAM	706.5	25	0	6.26	<=13	Pass
	710	25	0	6.31	<=13	Pass
	713.5	25	0	6.43	<=13	Pass
64QAM	706.5	25	0	6.68	<=13	Pass
	710	25	0	6.69	<=13	Pass
	713.5	25	0	6.78	<=13	Pass
256QAM	706.5	25	0	7.06	<=13	Pass
	710	25	0	7.02	<=13	Pass
	713.5	25	0	7.11	<=13	Pass

4.1.2 B17_10MHz

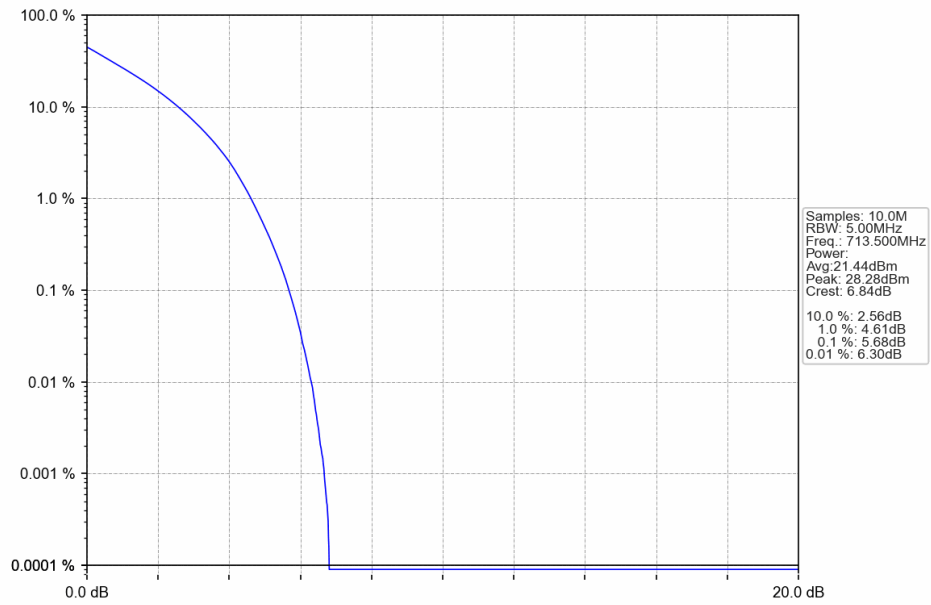
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.57	<=13	Pass
	710	50	0	5.56	<=13	Pass
	711	50	0	5.54	<=13	Pass
16QAM	709	50	0	6.30	<=13	Pass
	710	50	0	6.33	<=13	Pass
	711	50	0	6.29	<=13	Pass
64QAM	709	50	0	6.62	<=13	Pass
	710	50	0	6.68	<=13	Pass
	711	50	0	6.71	<=13	Pass
256QAM	709	50	0	6.94	<=13	Pass
	710	50	0	6.95	<=13	Pass
	711	50	0	6.99	<=13	Pass

4.2 Test Graph

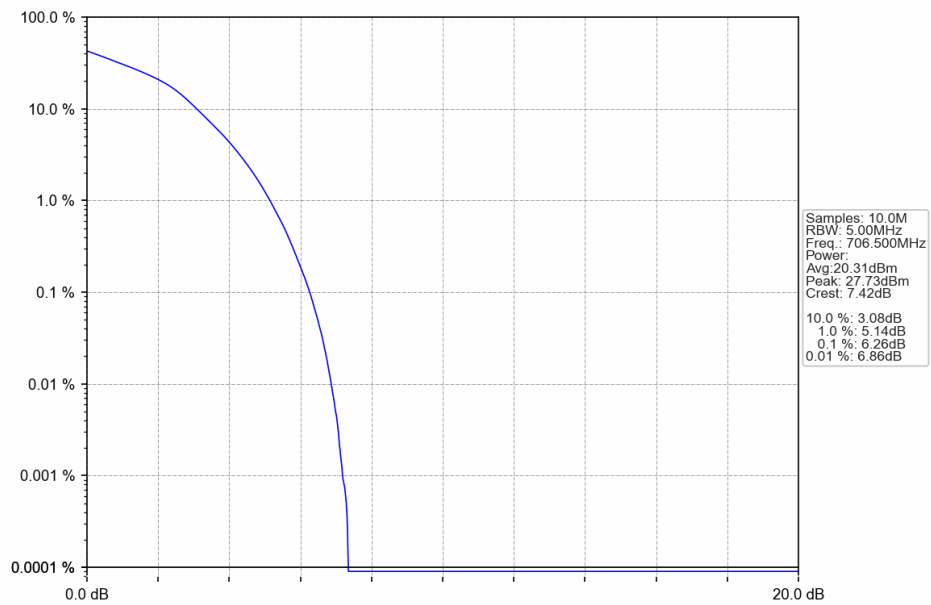
4.2.1 B17_5MHz



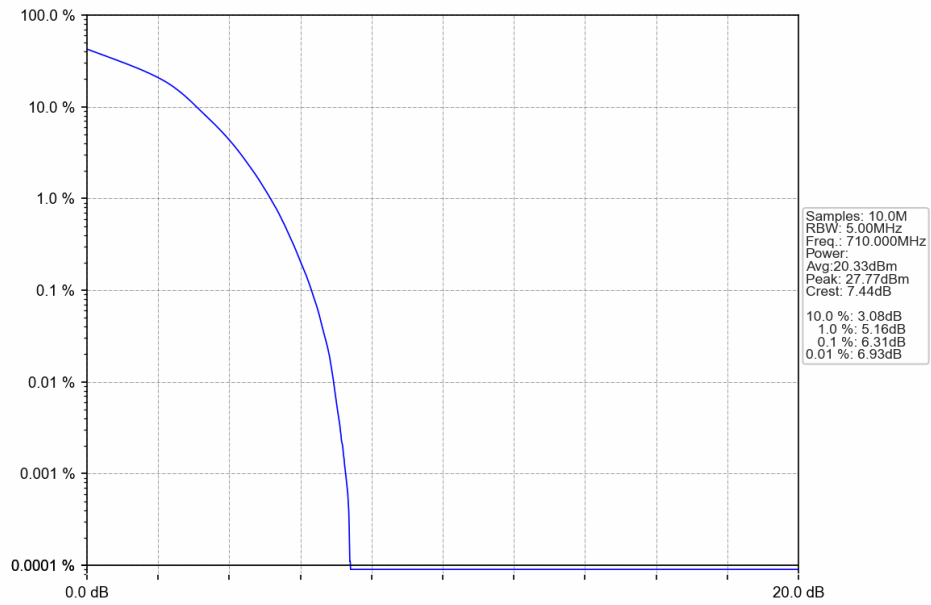
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTN



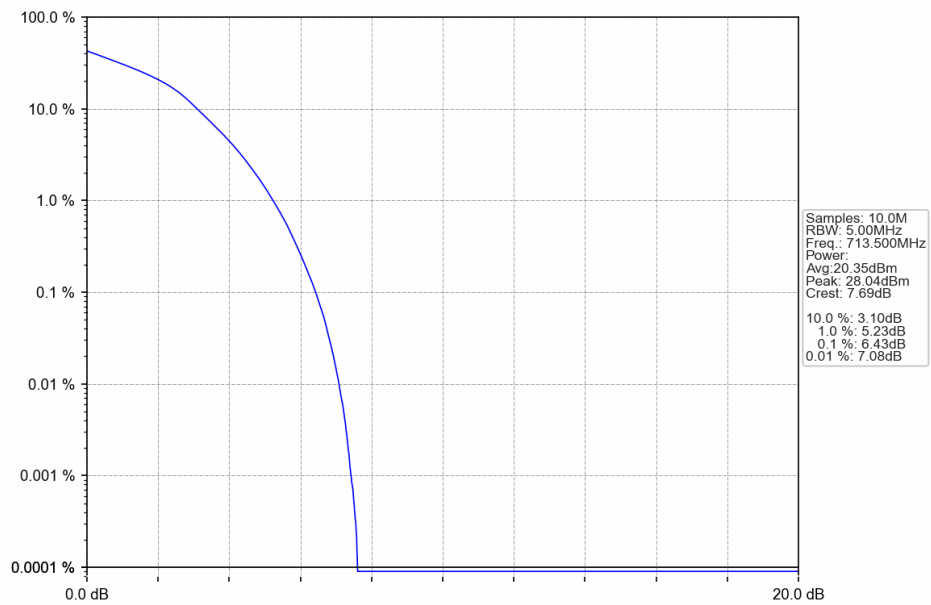
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTN



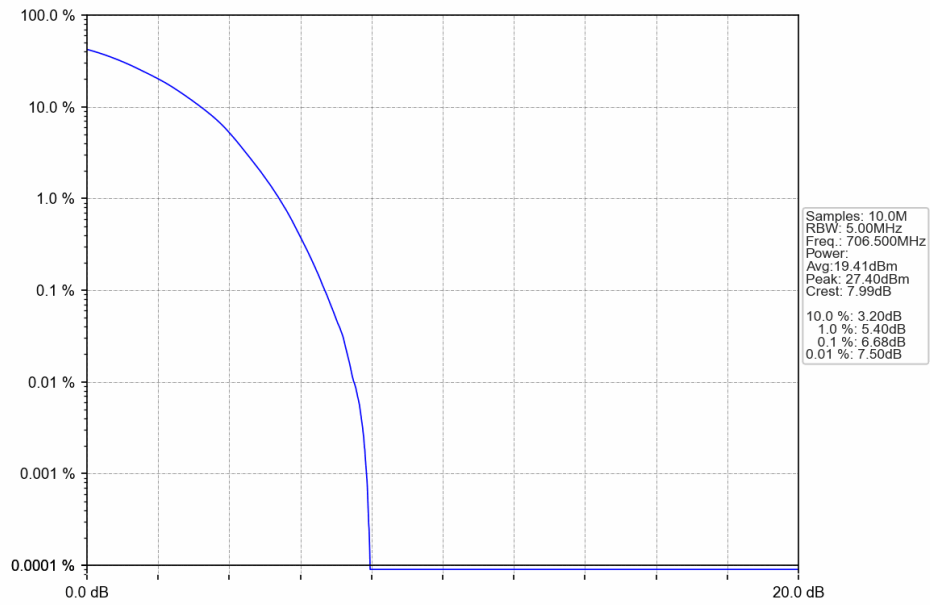
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



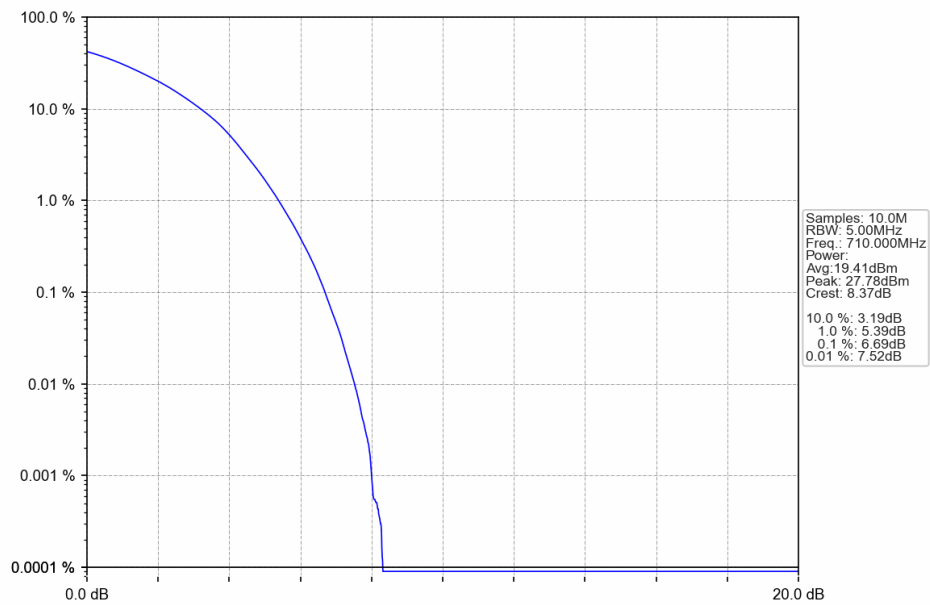
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



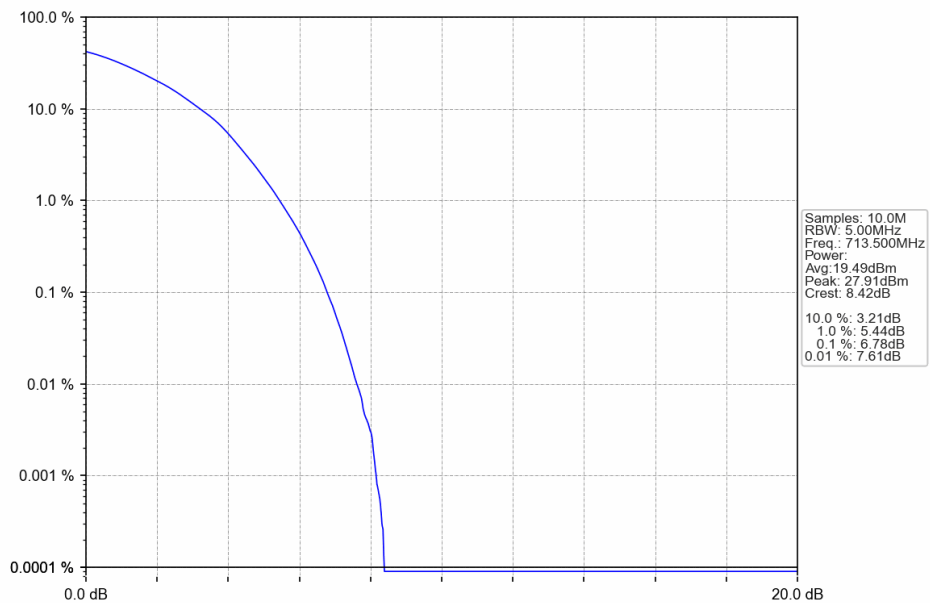
Band17 5MHz 64QAM LCH 706.5MHz RB 25 0 NTNV



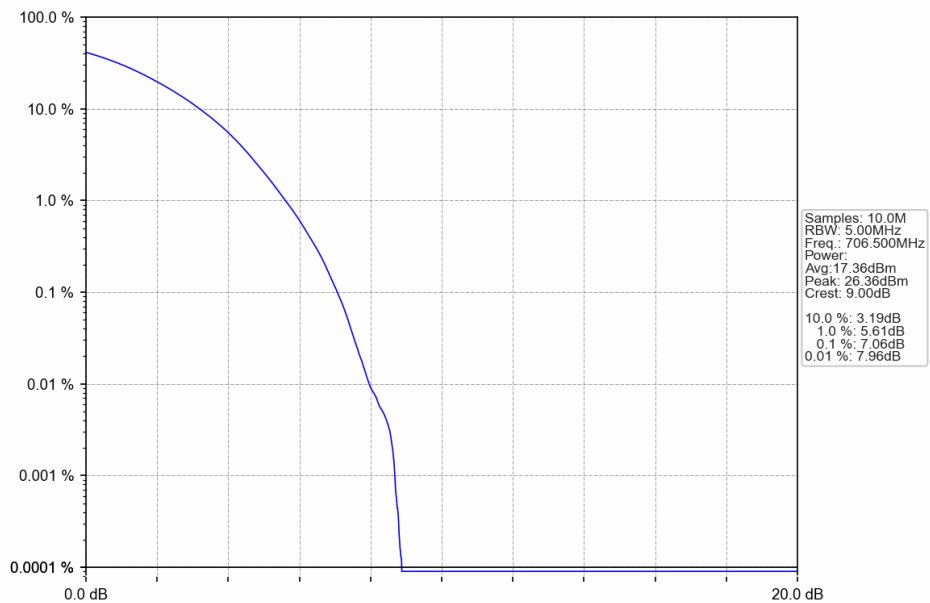
Band17 5MHz 64QAM MCH 710MHz RB 25 0 NTNV



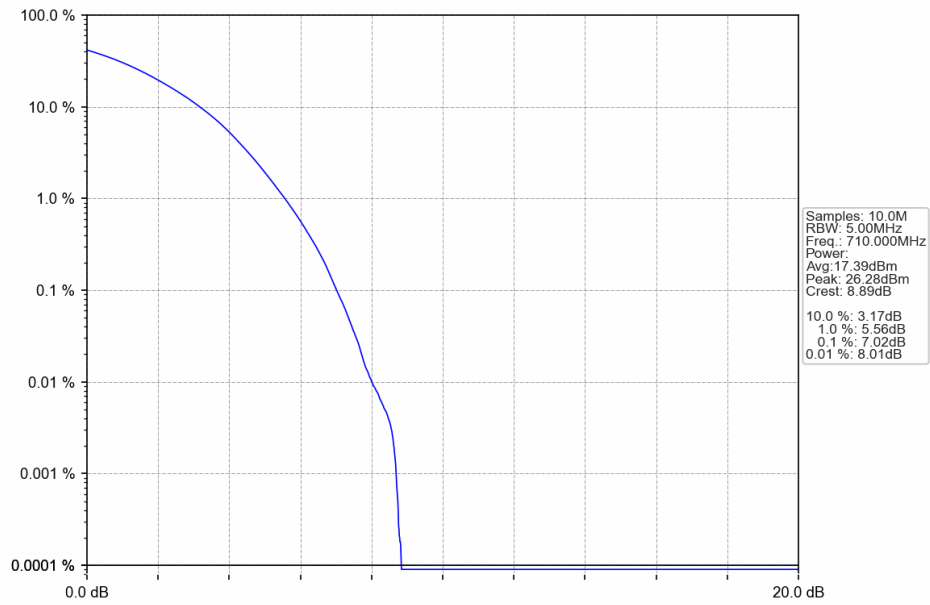
Band17 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



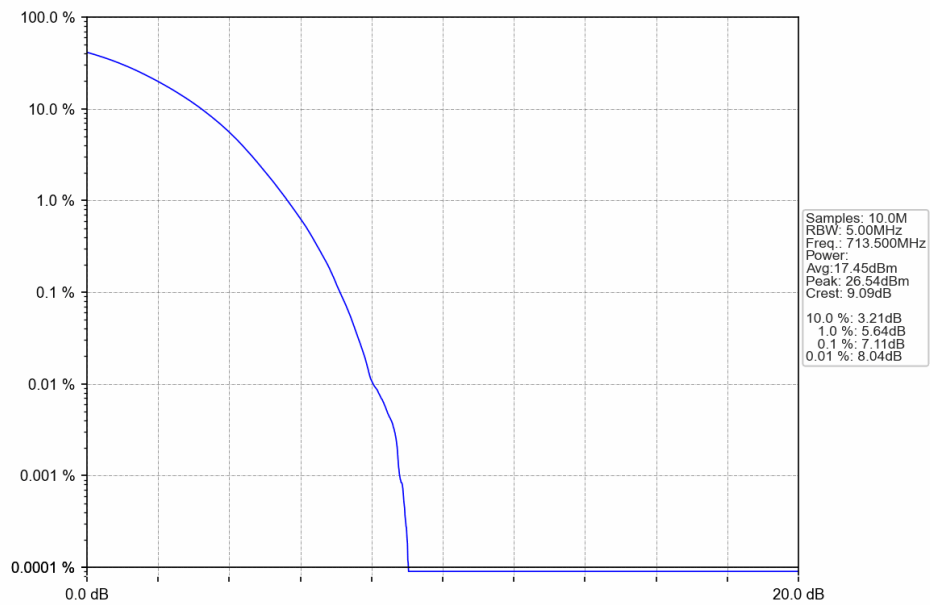
Band17 5MHz 256QAM LCH 706.5MHz RB 25 0 NTNV



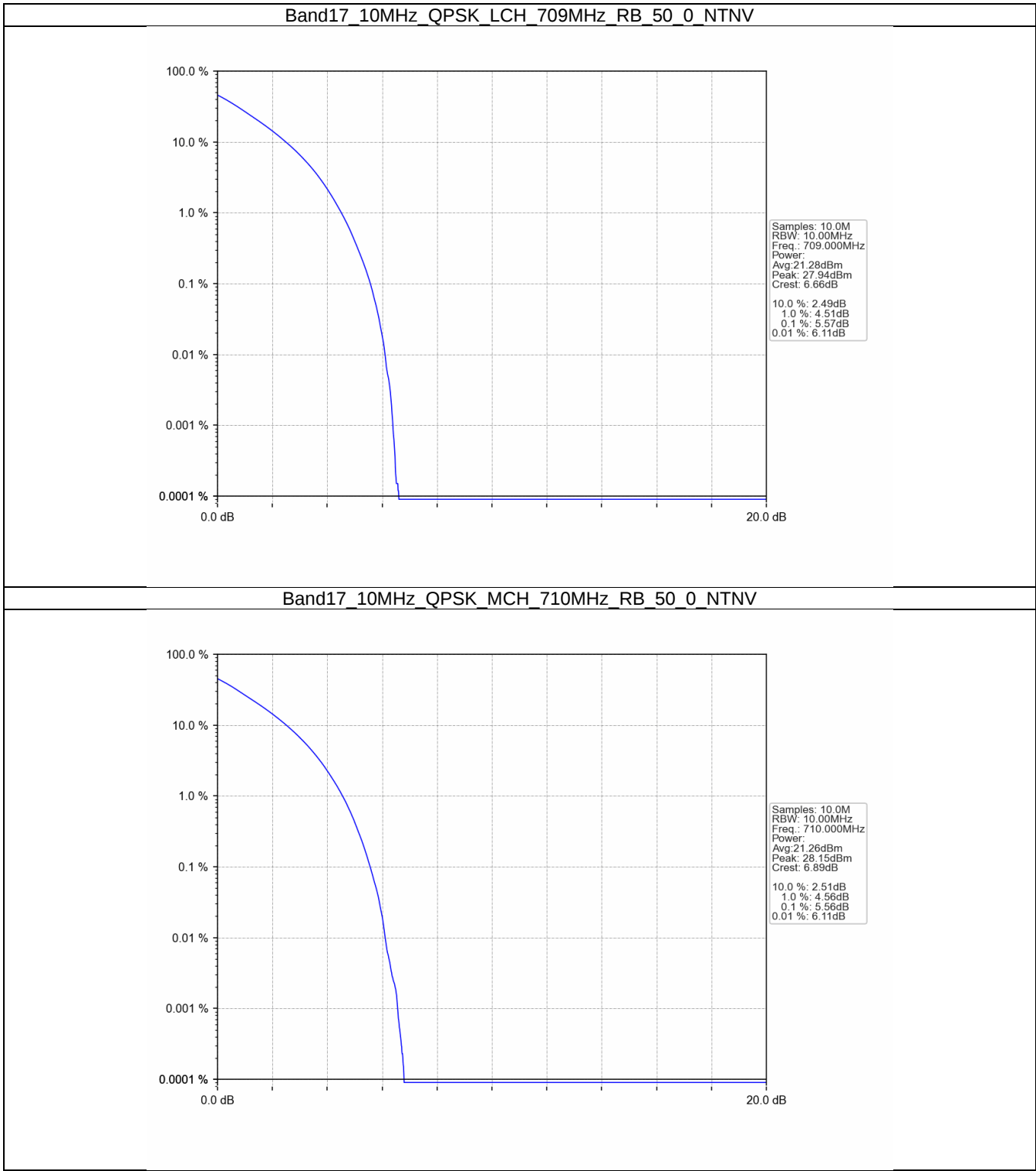
Band17 5MHz 256QAM MCH 710MHz RB 25 0 NTNV



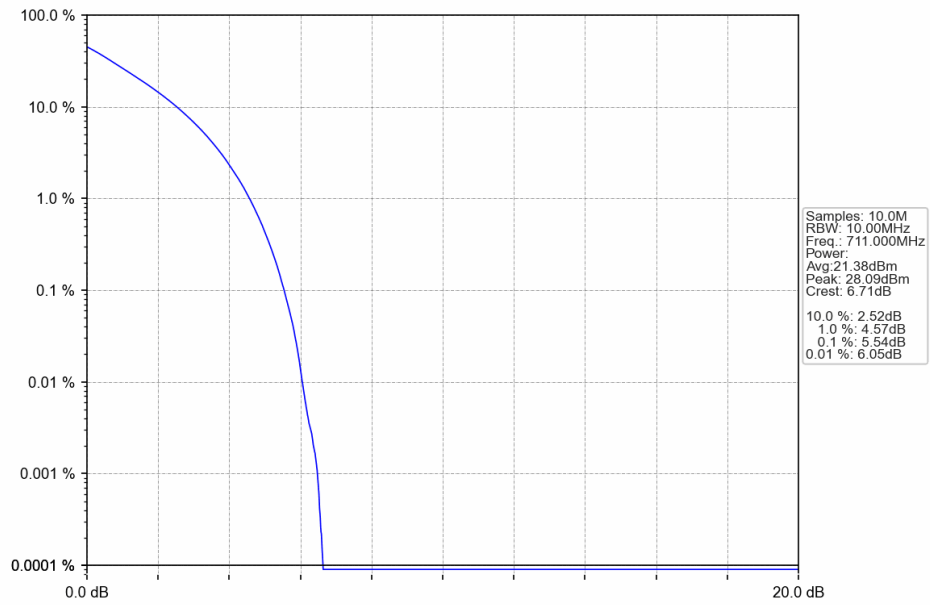
Band17 5MHz 256QAM HCH 713.5MHz RB 25 0 NTNV



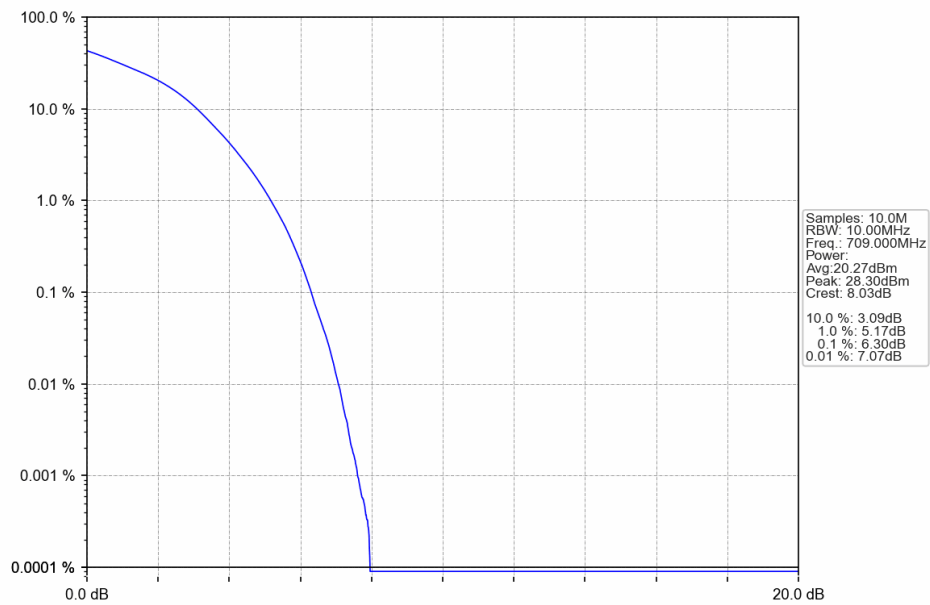
4.2.2 B17_10MHz



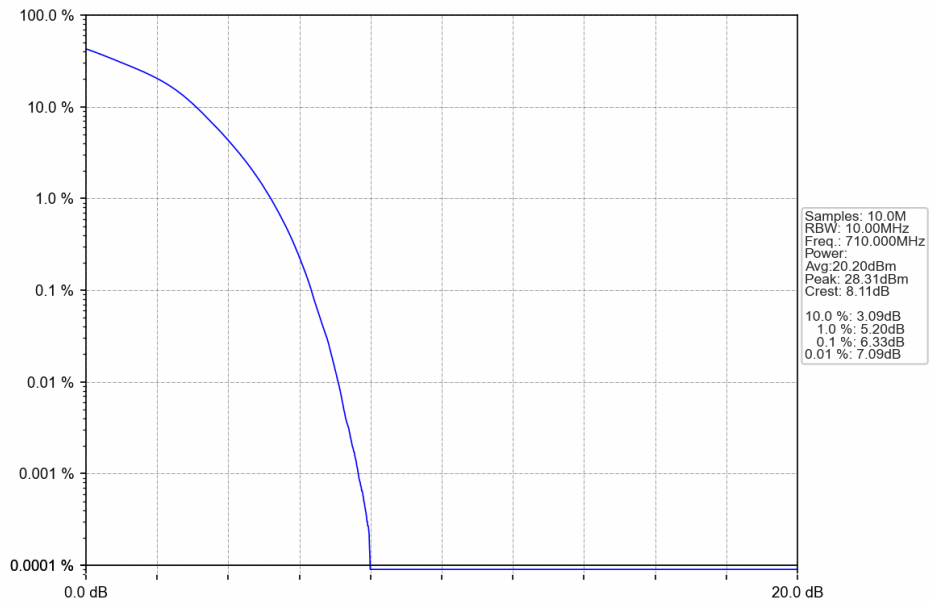
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



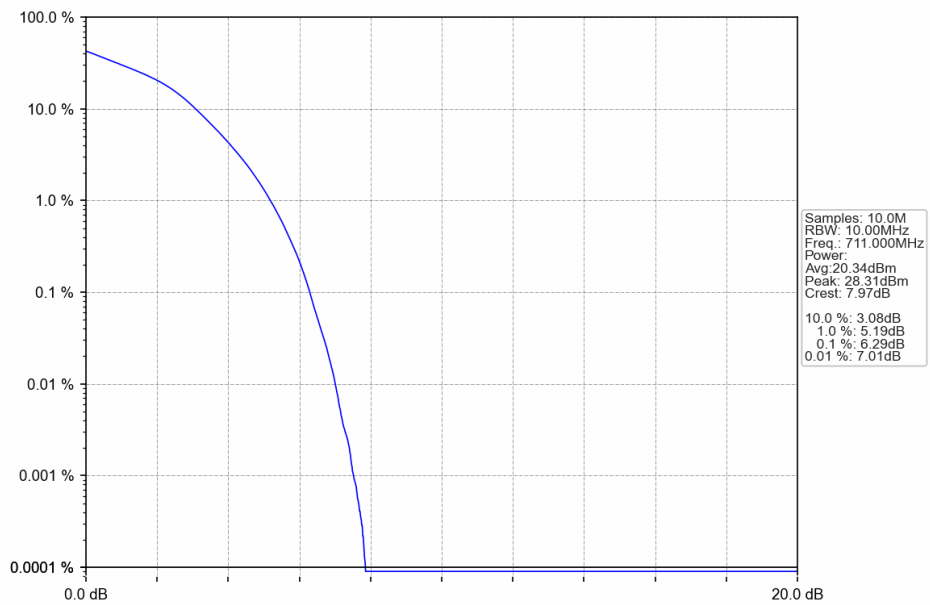
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



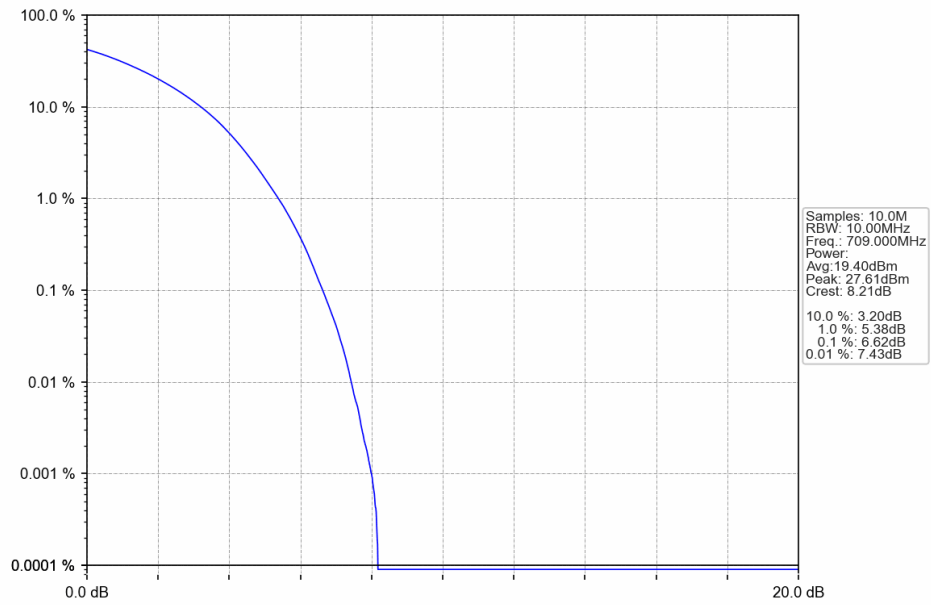
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



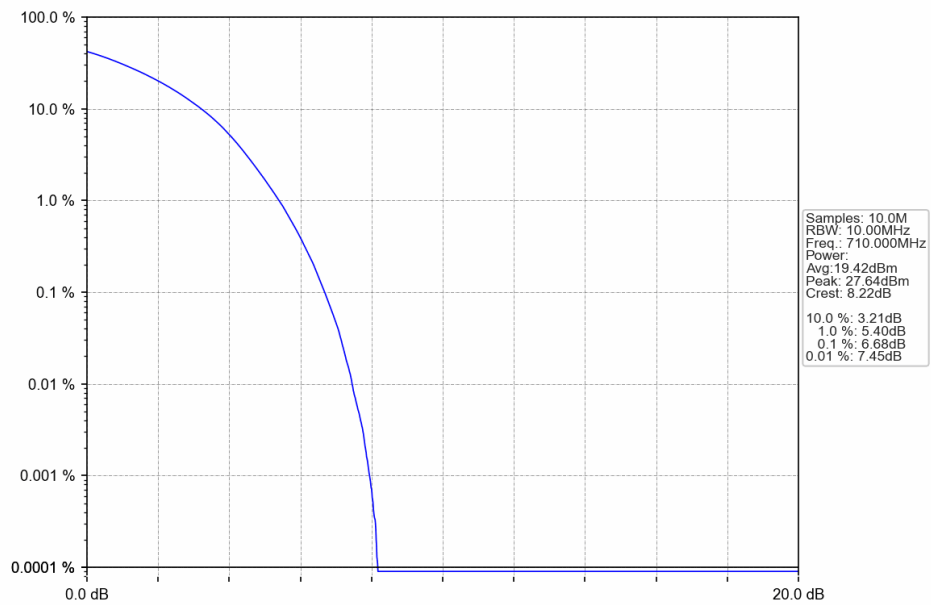
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



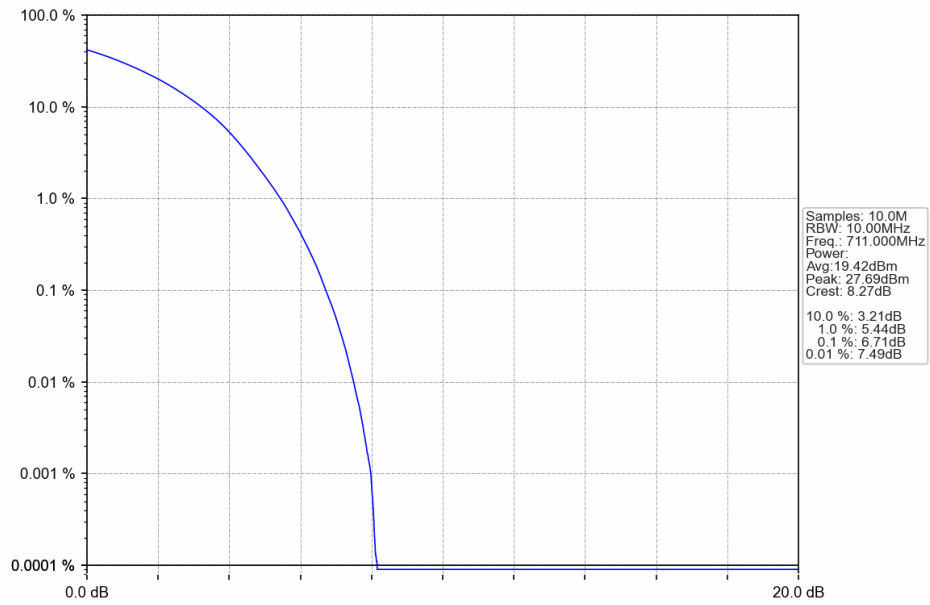
Band17 10MHz 64QAM LCH 709MHz RB 50 0 NTNV



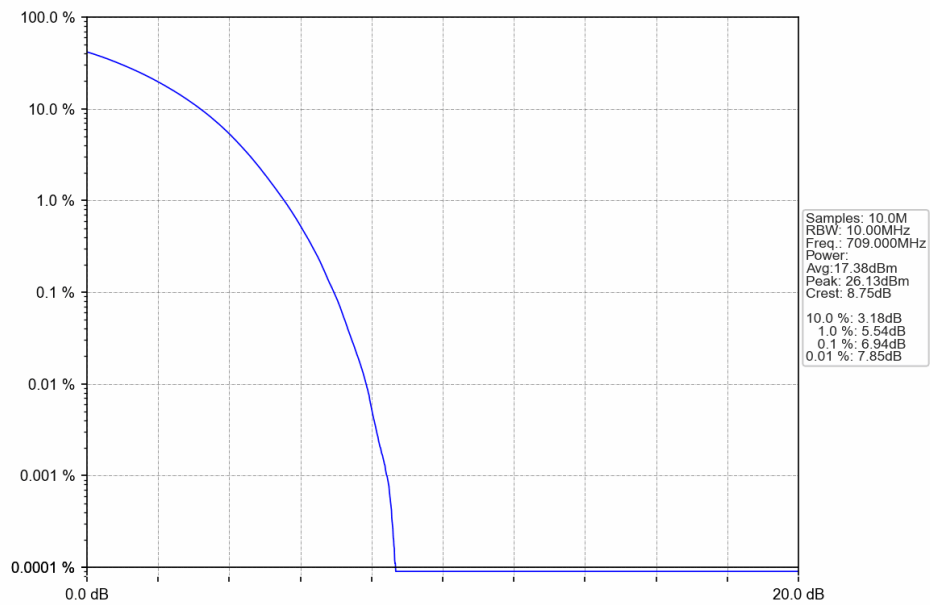
Band17 10MHz 64QAM MCH 710MHz RB 50 0 NTNV



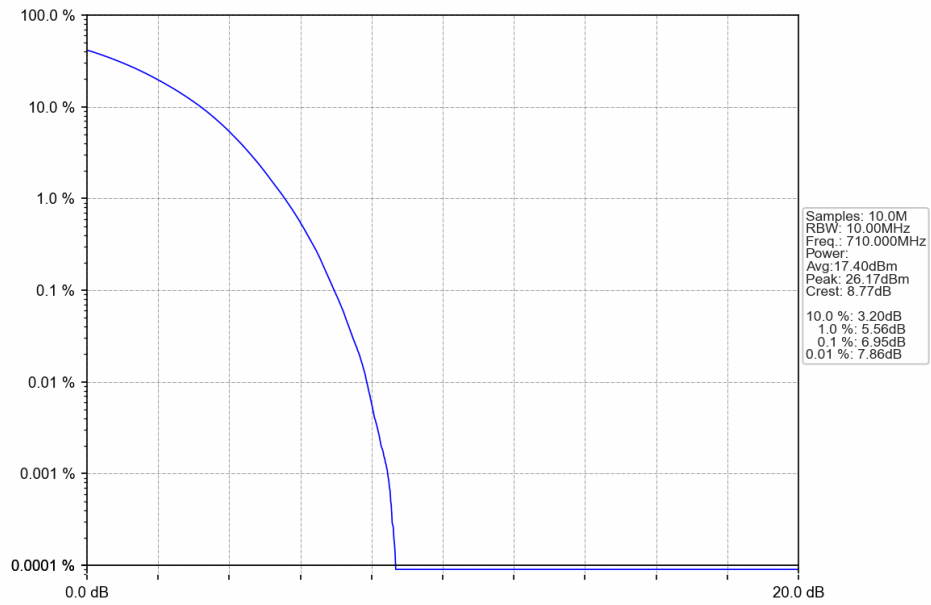
Band17 10MHz 64QAM HCH 711MHz RB 50 0 NTNV



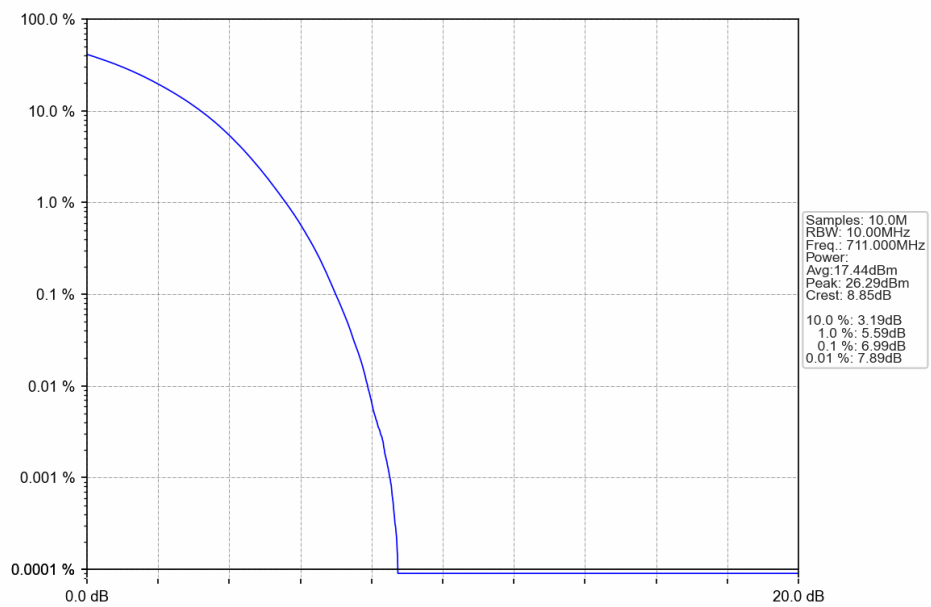
Band17 10MHz 256QAM LCH 709MHz RB 50 0 NTNV



Band17 10MHz 256QAM MCH 710MHz RB 50 0 NTNV



Band17 10MHz 256QAM HCH 711MHz RB 50 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 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
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
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
256QAM	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

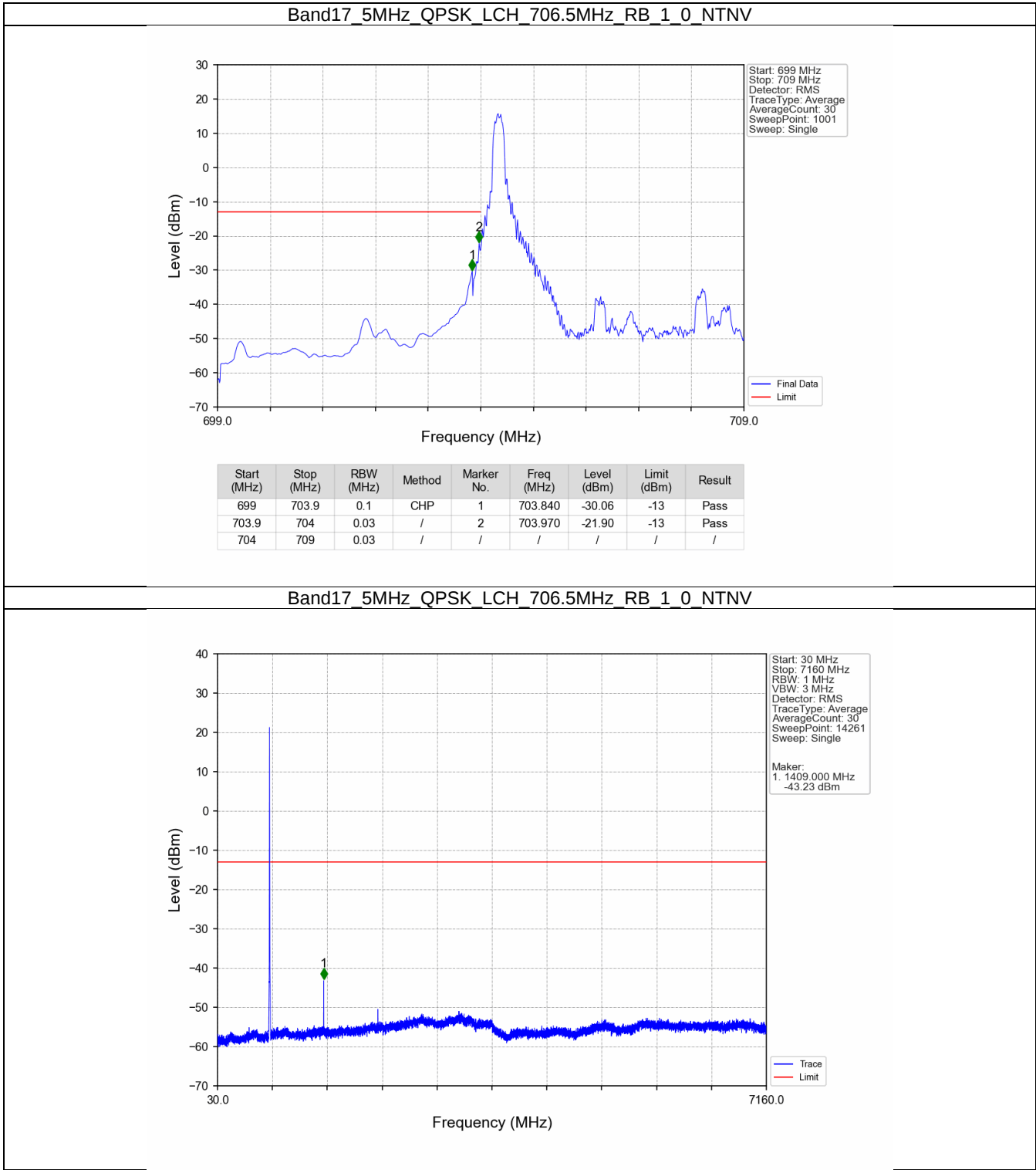
5.1.2 B17_10MHz

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
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
64QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass

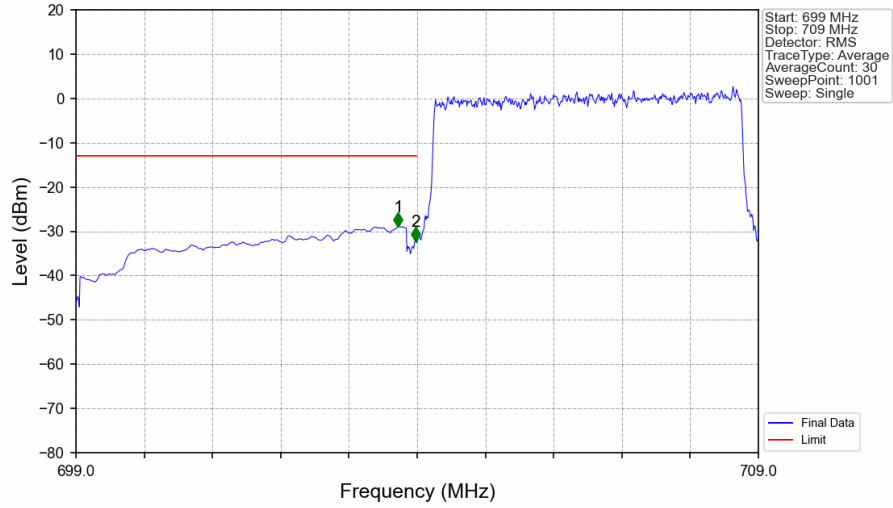
256QAM	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	709	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	710	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

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	703.720	-28.95	-13	Pass
703.9	704	0.03	/	2	703.980	-32.14	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV

