

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	22.69	-1.56	18.98	<=34.77	Pass
			13	22.62	-1.56	18.91	<=34.77	Pass
			24	22.48	-1.56	18.77	<=34.77	Pass
		12	0	21.66	-1.56	17.95	<=34.77	Pass
			6	21.67	-1.56	17.96	<=34.77	Pass
			13	21.61	-1.56	17.90	<=34.77	Pass
		25	0	21.66	-1.56	17.95	<=34.77	Pass
	710	1	0	22.71	-1.56	19.00	<=34.77	Pass
			13	22.64	-1.56	18.93	<=34.77	Pass
			24	22.52	-1.56	18.81	<=34.77	Pass
		12	0	21.73	-1.56	18.02	<=34.77	Pass
			6	21.67	-1.56	17.96	<=34.77	Pass
			13	21.66	-1.56	17.95	<=34.77	Pass
		25	0	21.64	-1.56	17.93	<=34.77	Pass
	713.5	1	0	22.77	-1.56	19.06	<=34.77	Pass
			13	22.68	-1.56	18.97	<=34.77	Pass
			24	22.58	-1.56	18.87	<=34.77	Pass
		12	0	21.75	-1.56	18.04	<=34.77	Pass
			6	21.69	-1.56	17.98	<=34.77	Pass
			13	21.69	-1.56	17.98	<=34.77	Pass
		25	0	21.65	-1.56	17.94	<=34.77	Pass
16QAM	706.5	1	0	21.58	-1.56	17.87	<=34.77	Pass
			13	21.75	-1.56	18.04	<=34.77	Pass
			24	21.39	-1.56	17.68	<=34.77	Pass
		12	0	20.70	-1.56	16.99	<=34.77	Pass
			6	20.72	-1.56	17.01	<=34.77	Pass
			13	20.62	-1.56	16.91	<=34.77	Pass
		25	0	20.72	-1.56	17.01	<=34.77	Pass
	710	1	0	22.00	-1.56	18.29	<=34.77	Pass
			13	21.92	-1.56	18.21	<=34.77	Pass
			24	21.83	-1.56	18.12	<=34.77	Pass
		12	0	20.74	-1.56	17.03	<=34.77	Pass
			6	20.74	-1.56	17.03	<=34.77	Pass
			13	20.71	-1.56	17.00	<=34.77	Pass
		25	0	20.63	-1.56	16.92	<=34.77	Pass
	713.5	1	0	21.80	-1.56	18.09	<=34.77	Pass
			13	21.81	-1.56	18.10	<=34.77	Pass
			24	21.68	-1.56	17.97	<=34.77	Pass
		12	0	20.74	-1.56	17.03	<=34.77	Pass
			6	20.67	-1.56	16.96	<=34.77	Pass
			13	20.65	-1.56	16.94	<=34.77	Pass
		25	0	20.72	-1.56	17.01	<=34.77	Pass
64QAM	706.5	1	0	21.03	-1.56	17.32	<=34.77	Pass
			13	21.68	-1.56	17.97	<=34.77	Pass
			24	21.70	-1.56	17.99	<=34.77	Pass
		12	0	21.01	-1.56	17.3	<=34.77	Pass

		25	6	21.16	-1.56	17.45	<=34.77	Pass
			13	21.11	-1.56	17.4	<=34.77	Pass
			0	21.05	-1.56	17.34	<=34.77	Pass
	710	1	0	21.79	-1.56	18.08	<=34.77	Pass
			13	22.09	-1.56	18.38	<=34.77	Pass
			24	22.05	-1.56	18.34	<=34.77	Pass
		12	0	21.08	-1.56	17.37	<=34.77	Pass
			6	21.14	-1.56	17.43	<=34.77	Pass
			13	21.08	-1.56	17.37	<=34.77	Pass
		25	0	20.97	-1.56	17.26	<=34.77	Pass
	713.5	1	0	22.14	-1.56	18.43	<=34.77	Pass
			13	21.96	-1.56	18.25	<=34.77	Pass
			24	21.91	-1.56	18.2	<=34.77	Pass
		12	0	21.10	-1.56	17.39	<=34.77	Pass
			6	21.13	-1.56	17.42	<=34.77	Pass
			13	21.14	-1.56	17.43	<=34.77	Pass
		25	0	21.06	-1.56	17.35	<=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	22.56	-1.56	18.85	<=34.77	Pass
			25	22.64	-1.56	18.93	<=34.77	Pass
			49	22.50	-1.56	18.79	<=34.77	Pass
		25	0	21.66	-1.56	17.95	<=34.77	Pass
			13	21.77	-1.56	18.06	<=34.77	Pass
			25	21.63	-1.56	17.92	<=34.77	Pass
		50	0	21.64	-1.56	17.93	<=34.77	Pass
	710	1	0	22.54	-1.56	18.83	<=34.77	Pass
			25	22.58	-1.56	18.87	<=34.77	Pass
			49	22.50	-1.56	18.79	<=34.77	Pass
		25	0	21.68	-1.56	17.97	<=34.77	Pass
			13	21.65	-1.56	17.94	<=34.77	Pass
			25	21.67	-1.56	17.96	<=34.77	Pass
		50	0	21.64	-1.56	17.93	<=34.77	Pass
	711	1	0	22.62	-1.56	18.91	<=34.77	Pass
			25	22.61	-1.56	18.90	<=34.77	Pass
			49	22.52	-1.56	18.81	<=34.77	Pass
		25	0	21.66	-1.56	17.95	<=34.77	Pass
			13	21.69	-1.56	17.98	<=34.77	Pass
			25	21.67	-1.56	17.96	<=34.77	Pass
		50	0	21.63	-1.56	17.92	<=34.77	Pass
16QAM	709	1	0	22.26	-1.56	18.55	<=34.77	Pass
			25	22.23	-1.56	18.52	<=34.77	Pass
			49	22.17	-1.56	18.46	<=34.77	Pass
		25	0	20.70	-1.56	16.99	<=34.77	Pass
			13	20.79	-1.56	17.08	<=34.77	Pass
			25	20.69	-1.56	16.98	<=34.77	Pass
		50	0	20.64	-1.56	16.93	<=34.77	Pass
	710	1	0	21.80	-1.56	18.09	<=34.77	Pass
			25	21.84	-1.56	18.13	<=34.77	Pass
			49	21.75	-1.56	18.04	<=34.77	Pass

		25	0	20.74	-1.56	17.03	<=34.77	Pass
			13	20.66	-1.56	16.95	<=34.77	Pass
			25	20.62	-1.56	16.91	<=34.77	Pass
		50	0	20.65	-1.56	16.94	<=34.77	Pass
			0	21.69	-1.56	17.98	<=34.77	Pass
			25	21.65	-1.56	17.94	<=34.77	Pass
	711	1	49	21.59	-1.56	17.88	<=34.77	Pass
			0	20.79	-1.56	17.08	<=34.77	Pass
			13	20.78	-1.56	17.07	<=34.77	Pass
		25	25	20.79	-1.56	17.08	<=34.77	Pass
			0	20.67	-1.56	16.96	<=34.77	Pass
			0	22.17	-1.56	18.46	<=34.77	Pass
64QAM	709	1	25	22.22	-1.56	18.51	<=34.77	Pass
			49	21.57	-1.56	17.86	<=34.77	Pass
			0	21.12	-1.56	17.41	<=34.77	Pass
		25	13	21.18	-1.56	17.47	<=34.77	Pass
			25	21.07	-1.56	17.36	<=34.77	Pass
			0	21.12	-1.56	17.41	<=34.77	Pass
	710	1	0	21.76	-1.56	18.05	<=34.77	Pass
			25	22.47	-1.56	18.76	<=34.77	Pass
			49	21.58	-1.56	17.87	<=34.77	Pass
		25	0	21.14	-1.56	17.43	<=34.77	Pass
			13	21.08	-1.56	17.37	<=34.77	Pass
			25	21.07	-1.56	17.36	<=34.77	Pass
	711	50	0	21.06	-1.56	17.35	<=34.77	Pass
			0	22.57	-1.56	18.86	<=34.77	Pass
			25	22.23	-1.56	18.52	<=34.77	Pass
		1	49	21.64	-1.56	17.93	<=34.77	Pass
			0	21.20	-1.56	17.49	<=34.77	Pass
			13	21.25	-1.56	17.54	<=34.77	Pass
		25	25	21.09	-1.56	17.38	<=34.77	Pass
			0	21.08	-1.56	17.37	<=34.77	Pass
			0	21.08	-1.56	17.37	<=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	3.40	0.418	0.0006	-2.5 to 2.5	Pass
					3.60	0.970	0.0014	-2.5 to 2.5	Pass
					4.20	0.303	0.0004	-2.5 to 2.5	Pass
				-30	3.60	0.684	0.0010	-2.5 to 2.5	Pass
				-20	3.60	1.004	0.0014	-2.5 to 2.5	Pass
				-10	3.60	0.618	0.0009	-2.5 to 2.5	Pass
				0	3.60	0.402	0.0006	-2.5 to 2.5	Pass
				10	3.60	0.965	0.0014	-2.5 to 2.5	Pass
				30	3.60	1.382	0.0020	-2.5 to 2.5	Pass
				40	3.60	1.108	0.0016	-2.5 to 2.5	Pass
				50	3.60	0.682	0.0010	-2.5 to 2.5	Pass

	710	25	0	20	3.40	1.454	0.0020	-2.5 to 2.5	Pass
					3.60	1.044	0.0015	-2.5 to 2.5	Pass
					4.20	1.394	0.0020	-2.5 to 2.5	Pass
				-30	3.60	1.612	0.0023	-2.5 to 2.5	Pass
				-20	3.60	2.081	0.0029	-2.5 to 2.5	Pass
				-10	3.60	1.976	0.0028	-2.5 to 2.5	Pass
				0	3.60	2.454	0.0035	-2.5 to 2.5	Pass
				10	3.60	1.371	0.0019	-2.5 to 2.5	Pass
				30	3.60	1.815	0.0026	-2.5 to 2.5	Pass
				40	3.60	1.126	0.0016	-2.5 to 2.5	Pass
				50	3.60	1.420	0.0020	-2.5 to 2.5	Pass
	713.5	25	0	20	3.40	-0.338	-0.0005	-2.5 to 2.5	Pass
					3.60	-0.771	-0.0011	-2.5 to 2.5	Pass
					4.20	0.038	0.0001	-2.5 to 2.5	Pass
				-30	3.60	-0.987	-0.0014	-2.5 to 2.5	Pass
				-20	3.60	-0.631	-0.0009	-2.5 to 2.5	Pass
				-10	3.60	-0.576	-0.0008	-2.5 to 2.5	Pass
				0	3.60	-0.333	-0.0005	-2.5 to 2.5	Pass
				10	3.60	-0.034	0.0000	-2.5 to 2.5	Pass
				30	3.60	-0.702	-0.0010	-2.5 to 2.5	Pass
				40	3.60	-0.611	-0.0009	-2.5 to 2.5	Pass
				50	3.60	-0.646	-0.0009	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.40	0.799	0.0011	-2.5 to 2.5	Pass
					3.60	2.374	0.0034	-2.5 to 2.5	Pass
					4.20	1.708	0.0024	-2.5 to 2.5	Pass
				-30	3.60	2.311	0.0033	-2.5 to 2.5	Pass
				-20	3.60	0.634	0.0009	-2.5 to 2.5	Pass
				-10	3.60	0.599	0.0008	-2.5 to 2.5	Pass
				0	3.60	0.842	0.0012	-2.5 to 2.5	Pass
				10	3.60	1.836	0.0026	-2.5 to 2.5	Pass
				30	3.60	1.489	0.0021	-2.5 to 2.5	Pass
				40	3.60	1.313	0.0019	-2.5 to 2.5	Pass
				50	3.60	1.340	0.0019	-2.5 to 2.5	Pass
	710	25	0	20	3.40	1.092	0.0015	-2.5 to 2.5	Pass
					3.60	1.415	0.0020	-2.5 to 2.5	Pass
					4.20	0.887	0.0012	-2.5 to 2.5	Pass
				-30	3.60	0.589	0.0008	-2.5 to 2.5	Pass
				-20	3.60	0.828	0.0012	-2.5 to 2.5	Pass
				-10	3.60	1.273	0.0018	-2.5 to 2.5	Pass
				0	3.60	0.978	0.0014	-2.5 to 2.5	Pass
				10	3.60	0.409	0.0006	-2.5 to 2.5	Pass
				30	3.60	0.740	0.0010	-2.5 to 2.5	Pass
				40	3.60	0.501	0.0007	-2.5 to 2.5	Pass
				50	3.60	0.593	0.0008	-2.5 to 2.5	Pass
	713.5	25	0	20	3.40	0.187	0.0003	-2.5 to 2.5	Pass
					3.60	0.282	0.0004	-2.5 to 2.5	Pass
					4.20	0.244	0.0003	-2.5 to 2.5	Pass
				-30	3.60	0.673	0.0009	-2.5 to 2.5	Pass
				-20	3.60	0.560	0.0008	-2.5 to 2.5	Pass
				-10	3.60	-0.490	-0.0007	-2.5 to 2.5	Pass
				0	3.60	-0.374	-0.0005	-2.5 to 2.5	Pass
				10	3.60	0.747	0.0010	-2.5 to 2.5	Pass
				30	3.60	0.437	0.0006	-2.5 to 2.5	Pass
				40	3.60	0.164	0.0002	-2.5 to 2.5	Pass
				50	3.60	-0.772	-0.0011	-2.5 to 2.5	Pass
64QAM	706.5	25	0	20	3.40	-1.300	-0.0018	-2.5 to 2.5	Pass
					3.60	0.200	0.0003	-2.5 to 2.5	Pass

					4.20	-0.900	-0.0013	-2.5 to 2.5	Pass
				-30	3.60	-2.700	-0.0038	-2.5 to 2.5	Pass
				-20	3.60	-1.100	-0.0016	-2.5 to 2.5	Pass
				-10	3.60	-0.200	-0.0003	-2.5 to 2.5	Pass
				0	3.60	-1.500	-0.0021	-2.5 to 2.5	Pass
				10	3.60	1.400	0.0020	-2.5 to 2.5	Pass
				30	3.60	0.500	0.0007	-2.5 to 2.5	Pass
				40	3.60	-0.800	-0.0011	-2.5 to 2.5	Pass
				50	3.60	0.200	0.0003	-2.5 to 2.5	Pass
	710	25	0	20	3.40	-1.600	-0.0023	-2.5 to 2.5	Pass
					3.60	-0.400	-0.0006	-2.5 to 2.5	Pass
					4.20	1.800	0.0025	-2.5 to 2.5	Pass
				-30	3.60	-0.200	-0.0003	-2.5 to 2.5	Pass
				-20	3.60	-0.700	-0.0010	-2.5 to 2.5	Pass
				-10	3.60	0.700	0.0010	-2.5 to 2.5	Pass
				0	3.60	1.500	0.0021	-2.5 to 2.5	Pass
				10	3.60	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.60	-1.600	-0.0023	-2.5 to 2.5	Pass
				40	3.60	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.60	-0.600	-0.0008	-2.5 to 2.5	Pass
	713.5	25	0	20	3.40	2.100	0.0029	-2.5 to 2.5	Pass
					3.60	0.400	0.0006	-2.5 to 2.5	Pass
					4.20	1.300	0.0018	-2.5 to 2.5	Pass
				-30	3.60	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.60	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.60	-0.900	-0.0013	-2.5 to 2.5	Pass
				0	3.60	-0.500	-0.0007	-2.5 to 2.5	Pass
				10	3.60	-1.900	-0.0027	-2.5 to 2.5	Pass
				30	3.60	-0.800	-0.0011	-2.5 to 2.5	Pass
				40	3.60	0.600	0.0008	-2.5 to 2.5	Pass
				50	3.60	-1.300	-0.0018	-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	3.40	-0.015	0.0000	-2.5 to 2.5	Pass
					3.60	0.208	0.0003	-2.5 to 2.5	Pass
					4.20	0.437	0.0006	-2.5 to 2.5	Pass
				-30	3.60	0.470	0.0007	-2.5 to 2.5	Pass
				-20	3.60	0.857	0.0012	-2.5 to 2.5	Pass
				-10	3.60	-0.698	-0.0010	-2.5 to 2.5	Pass
				0	3.60	0.300	0.0004	-2.5 to 2.5	Pass
				10	3.60	0.884	0.0012	-2.5 to 2.5	Pass
				30	3.60	0.912	0.0013	-2.5 to 2.5	Pass
				40	3.60	0.264	0.0004	-2.5 to 2.5	Pass
				50	3.60	0.005	0.0000	-2.5 to 2.5	Pass
	710	50	0	20	3.40	-0.870	-0.0012	-2.5 to 2.5	Pass
					3.60	-1.153	-0.0016	-2.5 to 2.5	Pass
					4.20	-0.565	-0.0008	-2.5 to 2.5	Pass
				-30	3.60	-1.538	-0.0022	-2.5 to 2.5	Pass
				-20	3.60	-0.634	-0.0009	-2.5 to 2.5	Pass
				-10	3.60	-1.236	-0.0017	-2.5 to 2.5	Pass
				0	3.60	-0.981	-0.0014	-2.5 to 2.5	Pass

				10	3.60	-1.470	-0.0021	-2.5 to 2.5	Pass
				30	3.60	-0.958	-0.0013	-2.5 to 2.5	Pass
				40	3.60	-0.405	-0.0006	-2.5 to 2.5	Pass
				50	3.60	-0.778	-0.0011	-2.5 to 2.5	Pass
	711	50	0	20	3.40	-0.422	-0.0006	-2.5 to 2.5	Pass
					3.60	-0.112	-0.0002	-2.5 to 2.5	Pass
					4.20	-0.192	-0.0003	-2.5 to 2.5	Pass
				-30	3.60	0.133	0.0002	-2.5 to 2.5	Pass
				-20	3.60	0.070	0.0001	-2.5 to 2.5	Pass
				-10	3.60	0.252	0.0004	-2.5 to 2.5	Pass
				0	3.60	0.400	0.0006	-2.5 to 2.5	Pass
				10	3.60	1.147	0.0016	-2.5 to 2.5	Pass
				30	3.60	0.455	0.0006	-2.5 to 2.5	Pass
				40	3.60	0.636	0.0009	-2.5 to 2.5	Pass
				50	3.60	-0.002	0.0000	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.40	-0.447	-0.0006	-2.5 to 2.5	Pass
					3.60	-0.426	-0.0006	-2.5 to 2.5	Pass
					4.20	-0.019	0.0000	-2.5 to 2.5	Pass
				-30	3.60	-0.212	-0.0003	-2.5 to 2.5	Pass
				-20	3.60	0.891	0.0013	-2.5 to 2.5	Pass
				-10	3.60	0.713	0.0010	-2.5 to 2.5	Pass
				0	3.60	0.769	0.0011	-2.5 to 2.5	Pass
				10	3.60	0.996	0.0014	-2.5 to 2.5	Pass
				30	3.60	0.038	0.0001	-2.5 to 2.5	Pass
				40	3.60	0.116	0.0002	-2.5 to 2.5	Pass
				50	3.60	-0.248	-0.0003	-2.5 to 2.5	Pass
	710	50	0	20	3.40	-0.614	-0.0009	-2.5 to 2.5	Pass
					3.60	-0.806	-0.0011	-2.5 to 2.5	Pass
					4.20	-0.445	-0.0006	-2.5 to 2.5	Pass
				-30	3.60	-0.253	-0.0004	-2.5 to 2.5	Pass
				-20	3.60	-1.213	-0.0017	-2.5 to 2.5	Pass
				-10	3.60	-0.193	-0.0003	-2.5 to 2.5	Pass
				0	3.60	-0.141	-0.0002	-2.5 to 2.5	Pass
				10	3.60	-0.323	-0.0005	-2.5 to 2.5	Pass
				30	3.60	-0.686	-0.0010	-2.5 to 2.5	Pass
				40	3.60	-0.128	-0.0002	-2.5 to 2.5	Pass
				50	3.60	-0.963	-0.0014	-2.5 to 2.5	Pass
	711	50	0	20	3.40	0.099	0.0001	-2.5 to 2.5	Pass
					3.60	0.643	0.0009	-2.5 to 2.5	Pass
					4.20	0.095	0.0001	-2.5 to 2.5	Pass
				-30	3.60	-0.627	-0.0009	-2.5 to 2.5	Pass
				-20	3.60	-0.066	-0.0001	-2.5 to 2.5	Pass
				-10	3.60	0.771	0.0011	-2.5 to 2.5	Pass
				0	3.60	1.161	0.0016	-2.5 to 2.5	Pass
				10	3.60	0.976	0.0014	-2.5 to 2.5	Pass
				30	3.60	0.551	0.0008	-2.5 to 2.5	Pass
				40	3.60	0.872	0.0012	-2.5 to 2.5	Pass
				50	3.60	0.941	0.0013	-2.5 to 2.5	Pass
64QAM	709	50	0	20	3.40	0.000	0.0000	-2.5 to 2.5	Pass
					3.60	0.400	0.0006	-2.5 to 2.5	Pass
					4.20	-1.500	-0.0021	-2.5 to 2.5	Pass
				-30	3.60	-0.500	-0.0007	-2.5 to 2.5	Pass
				-20	3.60	-0.800	-0.0011	-2.5 to 2.5	Pass
				-10	3.60	-1.800	-0.0025	-2.5 to 2.5	Pass
				0	3.60	-1.900	-0.0027	-2.5 to 2.5	Pass
				10	3.60	-2.400	-0.0034	-2.5 to 2.5	Pass
				30	3.60	-1.200	-0.0017	-2.5 to 2.5	Pass

				40	3.60	-1.000	-0.0014	-2.5 to 2.5	Pass
				50	3.60	-1.200	-0.0017	-2.5 to 2.5	Pass
	710	50	0	20	3.40	1.000	0.0014	-2.5 to 2.5	Pass
					3.60	-1.000	-0.0014	-2.5 to 2.5	Pass
					4.20	0.300	0.0004	-2.5 to 2.5	Pass
					4.20	0.300	0.0004	-2.5 to 2.5	Pass
				-30	3.60	-1.100	-0.0015	-2.5 to 2.5	Pass
				-20	3.60	0.300	0.0004	-2.5 to 2.5	Pass
				-10	3.60	1.300	0.0018	-2.5 to 2.5	Pass
				0	3.60	0.600	0.0008	-2.5 to 2.5	Pass
				10	3.60	0.300	0.0004	-2.5 to 2.5	Pass
				30	3.60	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.60	-1.200	-0.0017	-2.5 to 2.5	Pass
				50	3.60	0.600	0.0008	-2.5 to 2.5	Pass
	711	50	0	20	3.40	-1.300	-0.0018	-2.5 to 2.5	Pass
					3.60	-0.800	-0.0011	-2.5 to 2.5	Pass
					4.20	0.000	0.0000	-2.5 to 2.5	Pass
					4.20	0.000	0.0000	-2.5 to 2.5	Pass
				-30	3.60	-0.500	-0.0007	-2.5 to 2.5	Pass
				-20	3.60	1.100	0.0015	-2.5 to 2.5	Pass
				-10	3.60	1.700	0.0024	-2.5 to 2.5	Pass
				0	3.60	-0.600	-0.0008	-2.5 to 2.5	Pass
				10	3.60	-0.500	-0.0007	-2.5 to 2.5	Pass
				30	3.60	-0.800	-0.0011	-2.5 to 2.5	Pass
				40	3.60	1.100	0.0015	-2.5 to 2.5	Pass
				50	3.60	-0.300	-0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band17_OBW

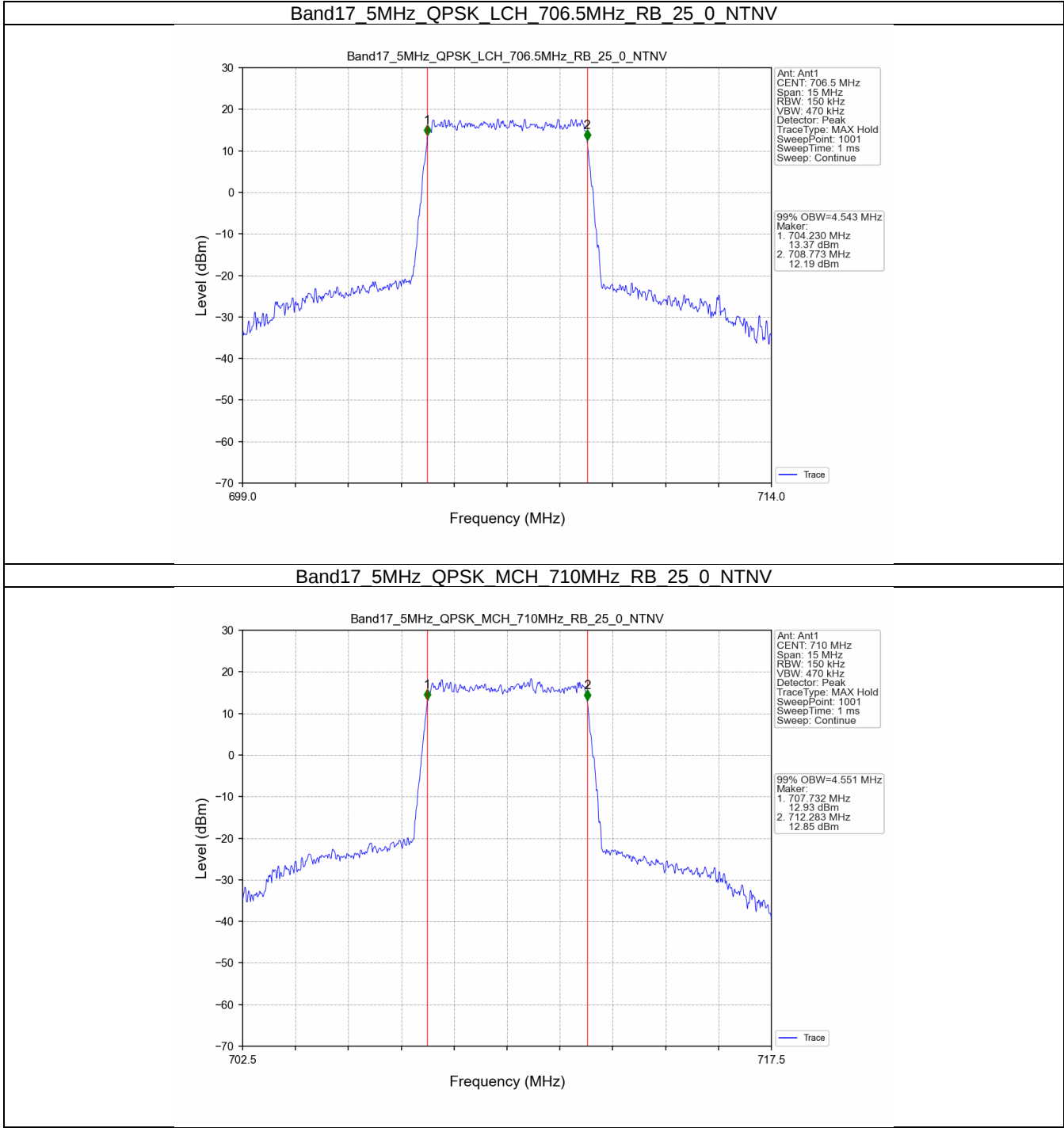
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.543	/	Pass
		710	25	0	4.551	/	Pass
		713.5	25	0	4.562	/	Pass
	16QAM	706.5	25	0	4.557	/	Pass
		710	25	0	4.564	/	Pass
		713.5	25	0	4.543	/	Pass
	64QAM	706.5	25	0	4.546	/	Pass
		710	25	0	4.542	/	Pass
		713.5	25	0	4.555	/	Pass
10	QPSK	709	50	0	9.039	/	Pass
		710	50	0	9.029	/	Pass
		711	50	0	9.042	/	Pass
	16QAM	709	50	0	9.028	/	Pass
		710	50	0	9.030	/	Pass
		711	50	0	9.023	/	Pass
	64QAM	709	50	0	9.036	/	Pass
		710	50	0	9.042	/	Pass
		711	50	0	9.057	/	Pass

3.1.2 Band17_XDB

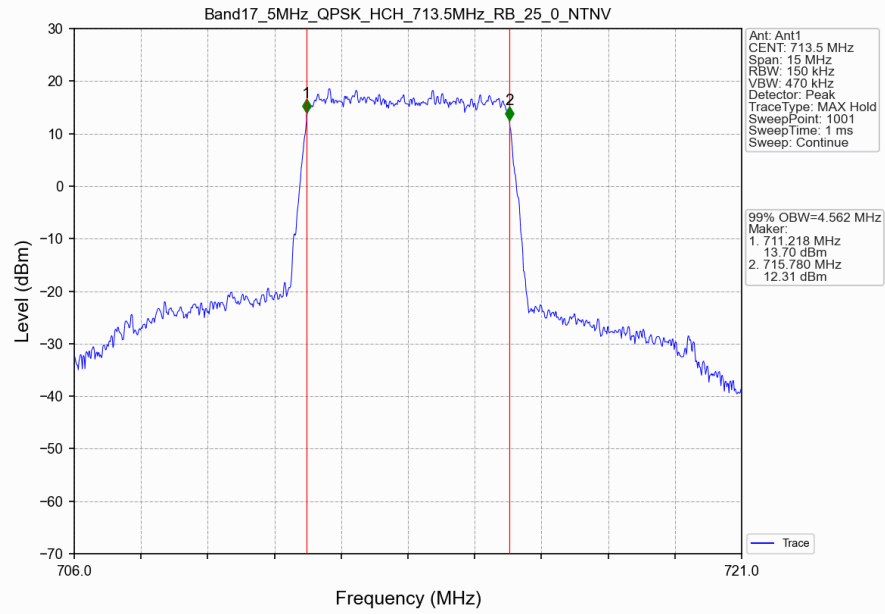
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.042	/	Pass
		710	25	0	5.043	/	Pass
		713.5	25	0	5.037	/	Pass
	16QAM	706.5	25	0	5.058	/	Pass
		710	25	0	5.066	/	Pass
		713.5	25	0	5.019	/	Pass
	64QAM	706.5	25	0	5.023	/	Pass
		710	25	0	4.993	/	Pass
		713.5	25	0	5.032	/	Pass
10	QPSK	709	50	0	10.072	/	Pass
		710	50	0	9.924	/	Pass
		711	50	0	9.963	/	Pass
	16QAM	709	50	0	9.935	/	Pass
		710	50	0	9.964	/	Pass
		711	50	0	9.966	/	Pass
	64QAM	709	50	0	9.940	/	Pass
		710	50	0	9.942	/	Pass
		711	50	0	9.948	/	Pass

3.2 Test Graph

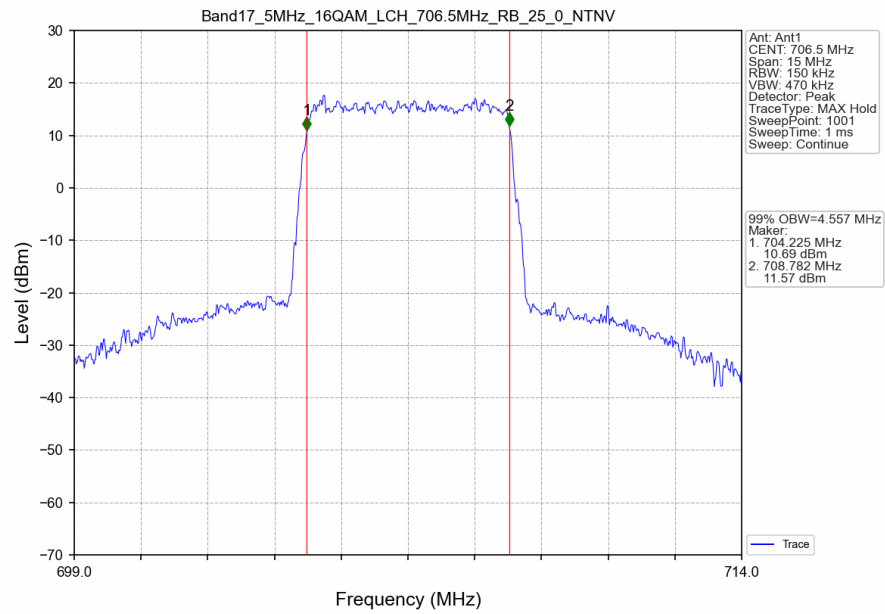
3.2.1 Band17_OBW



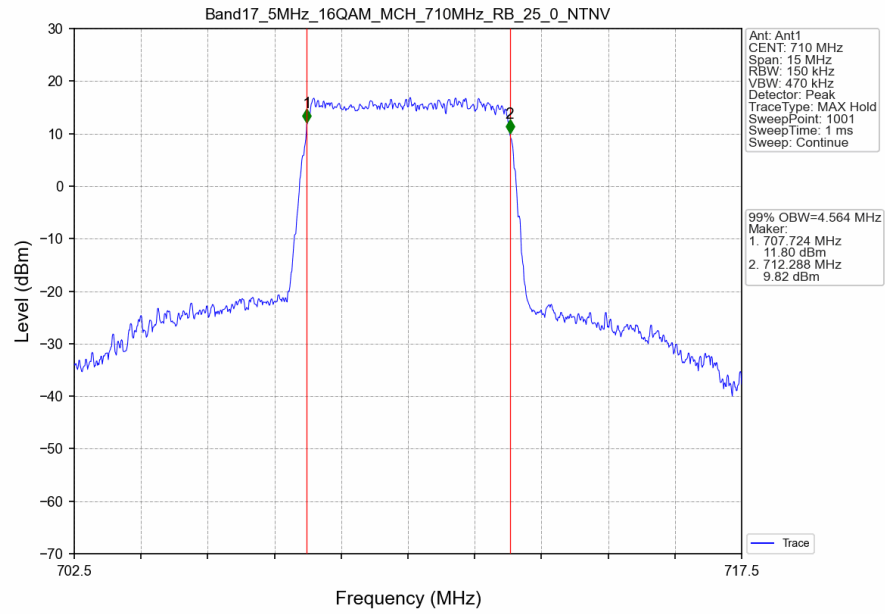
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



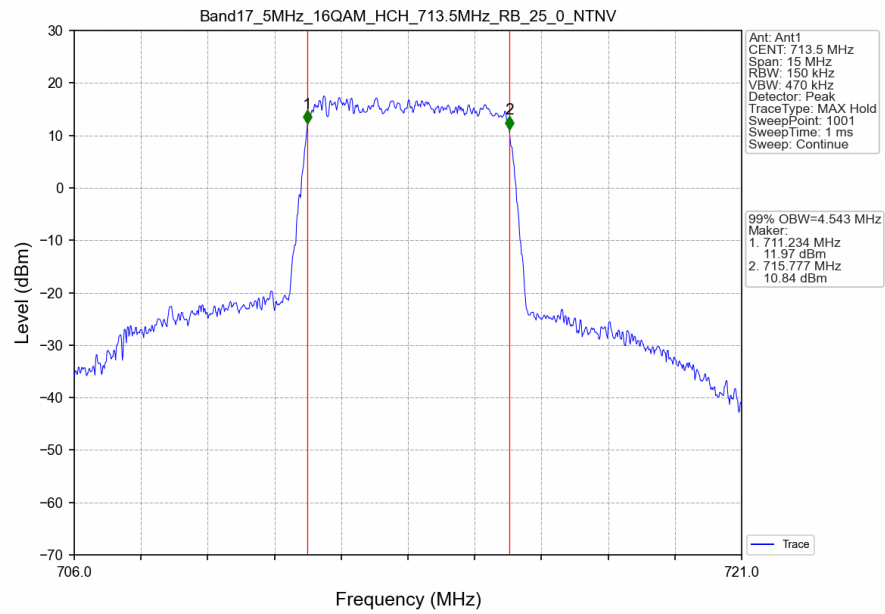
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



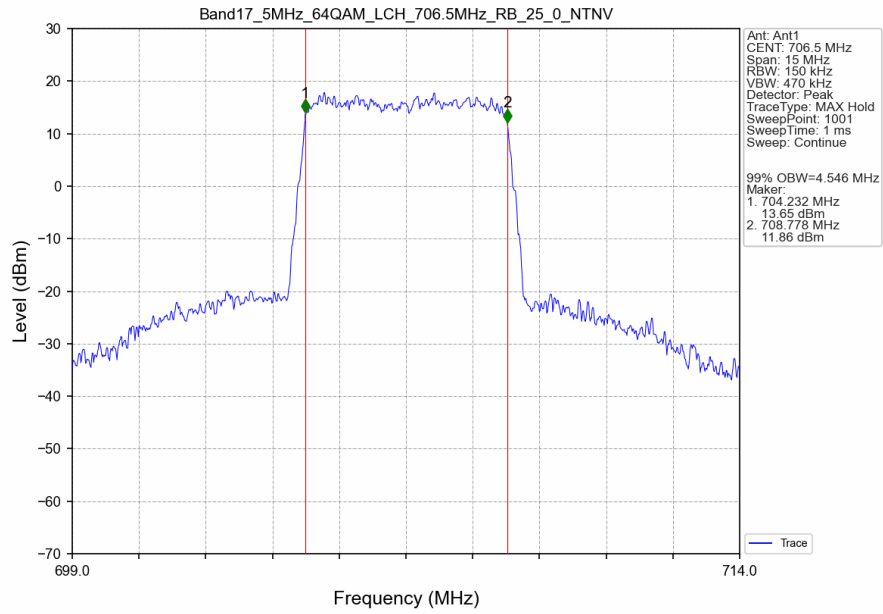
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



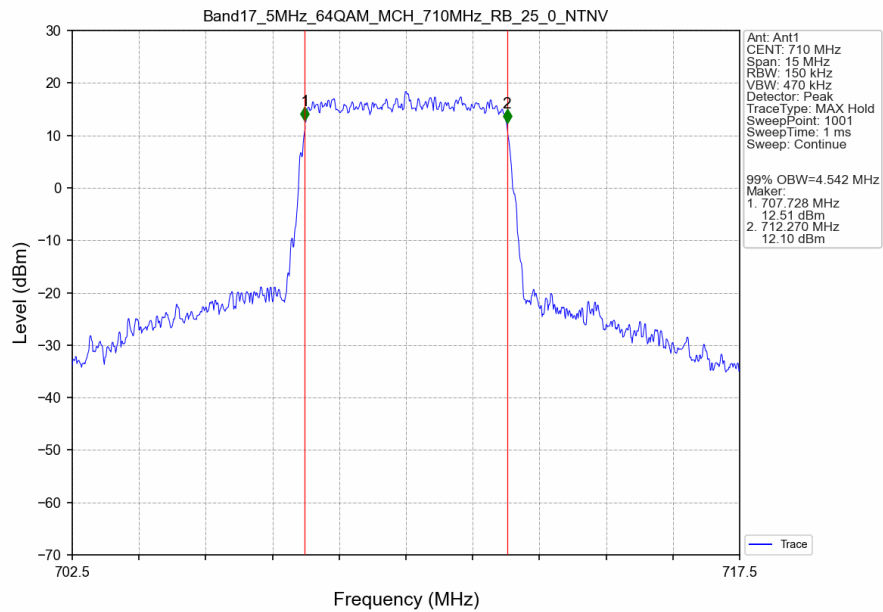
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



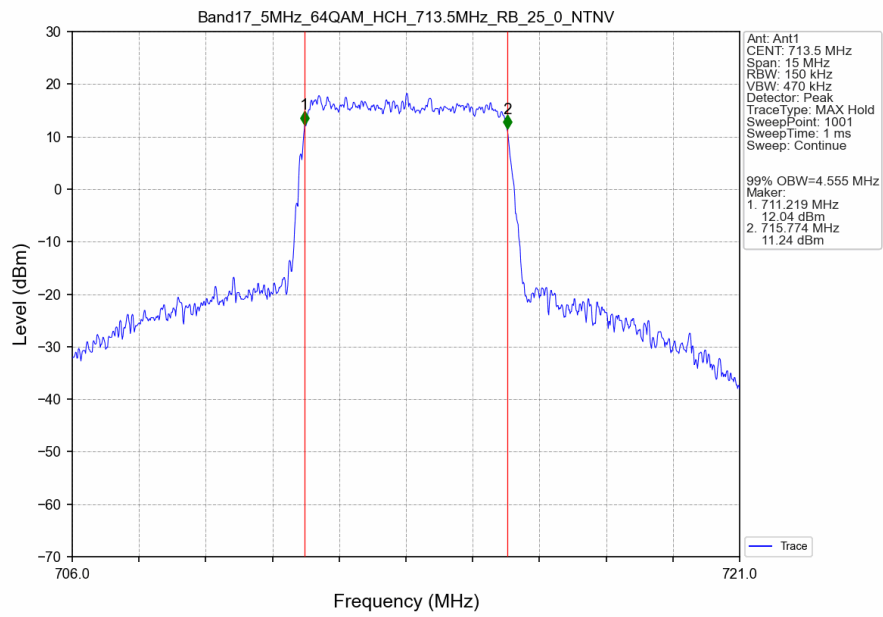
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



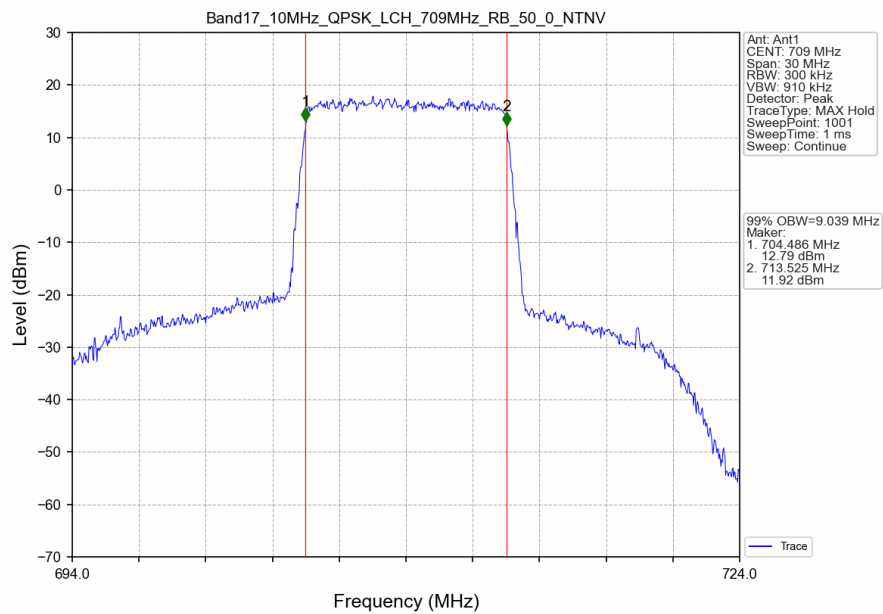
Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



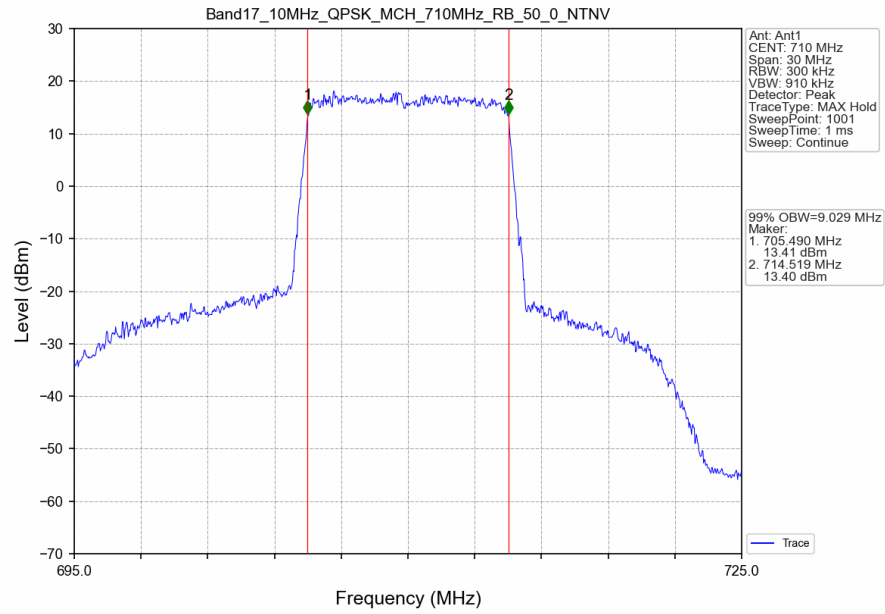
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



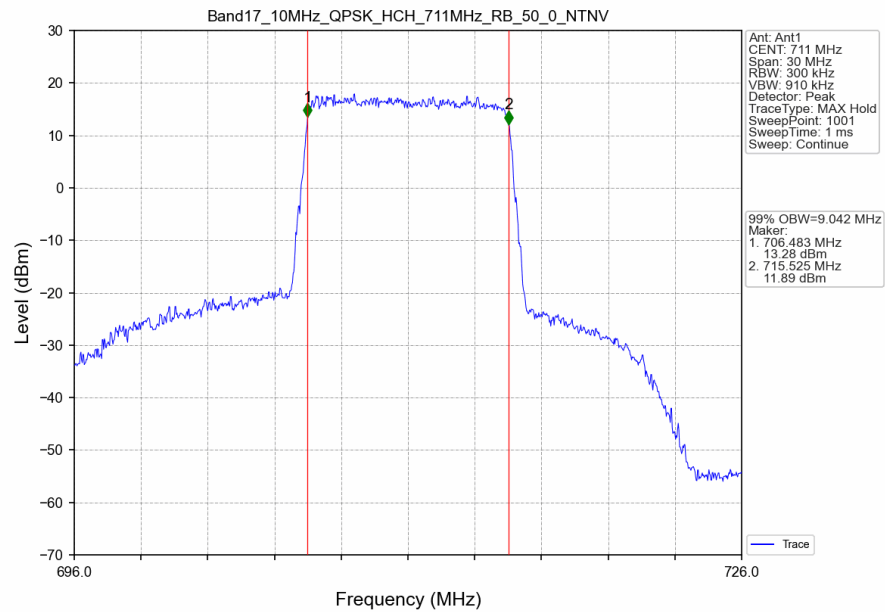
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



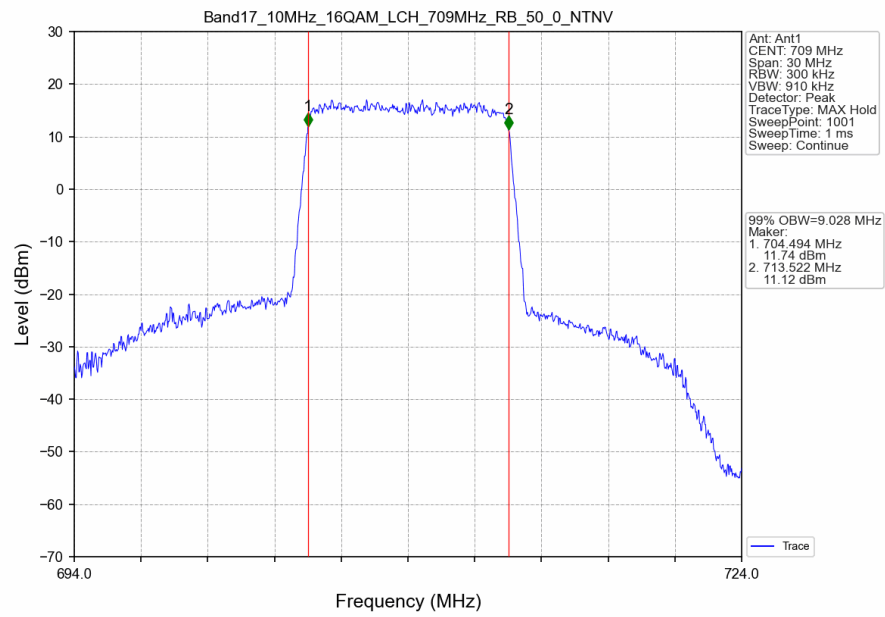
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



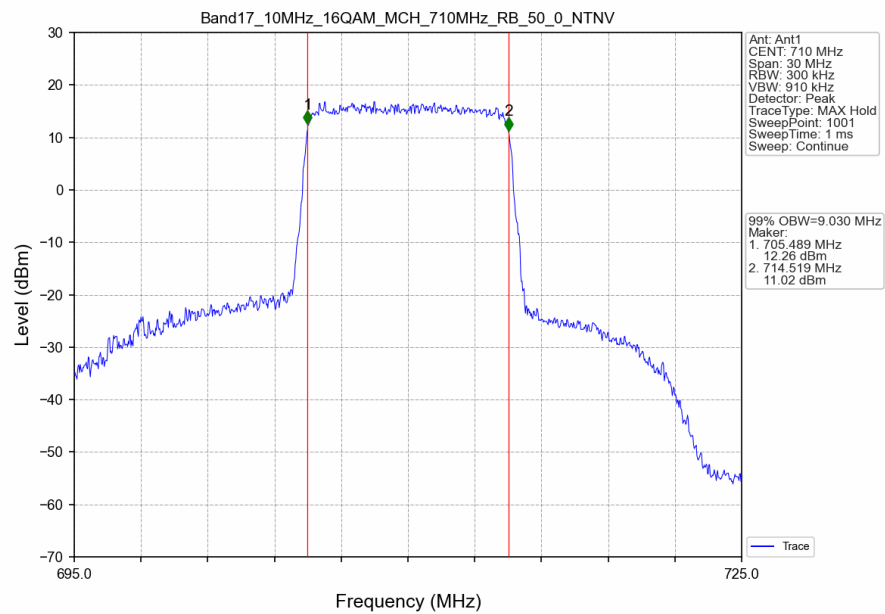
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



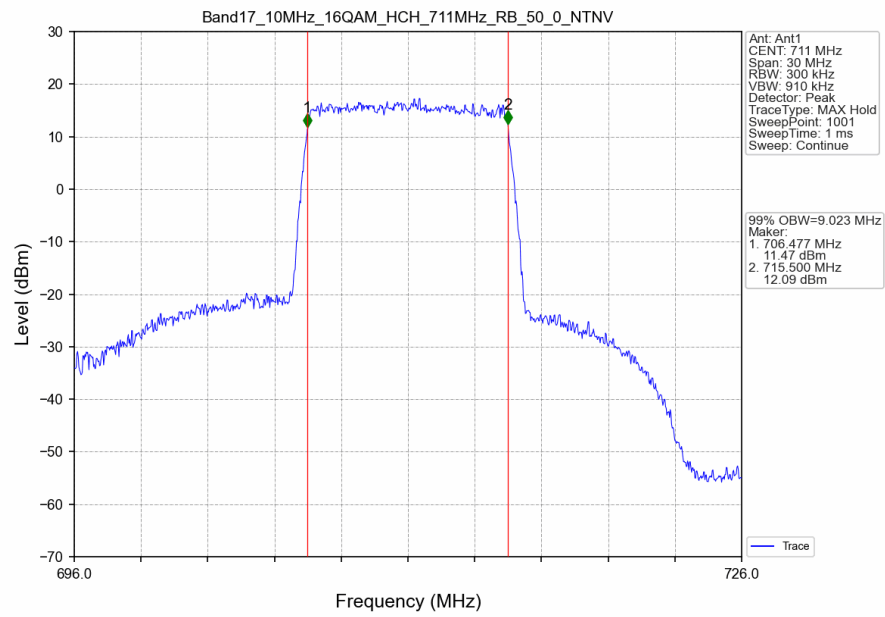
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



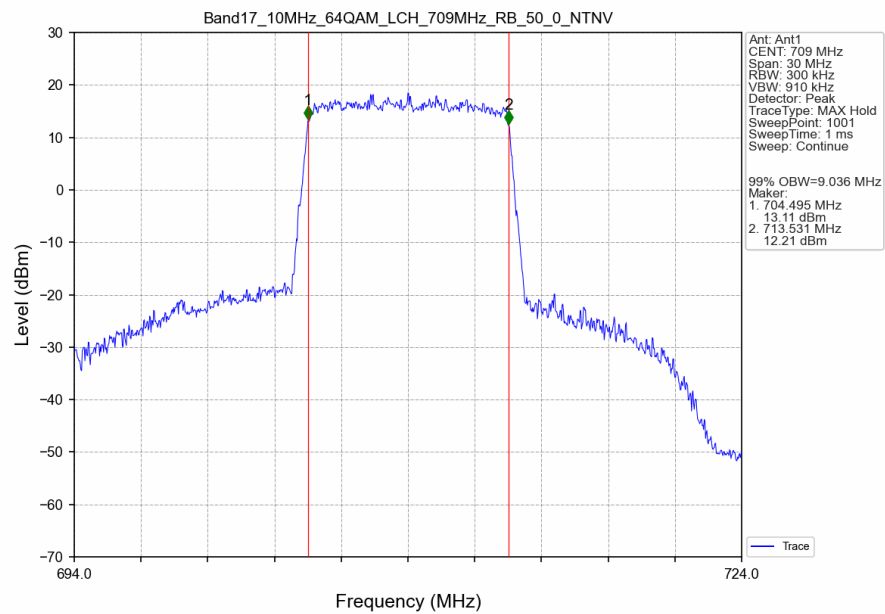
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



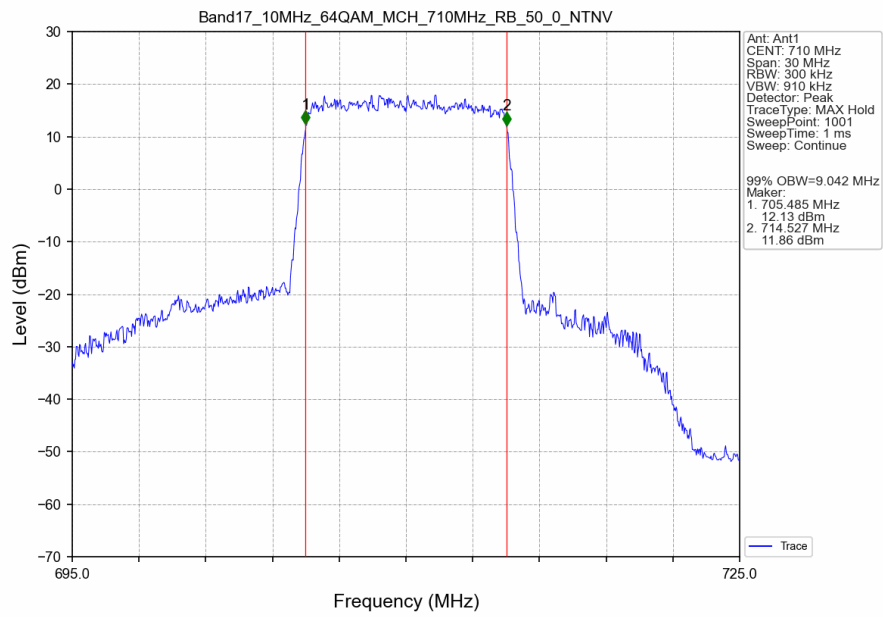
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



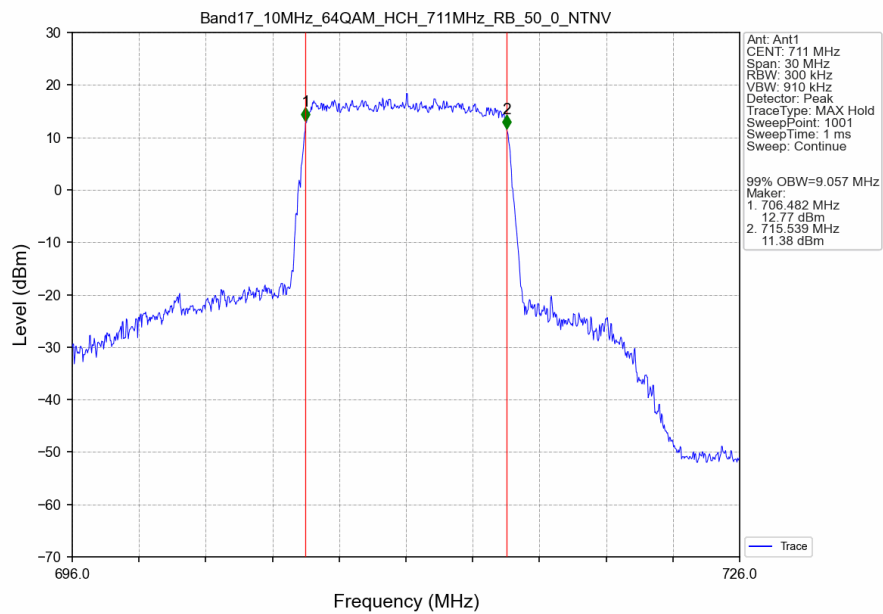
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



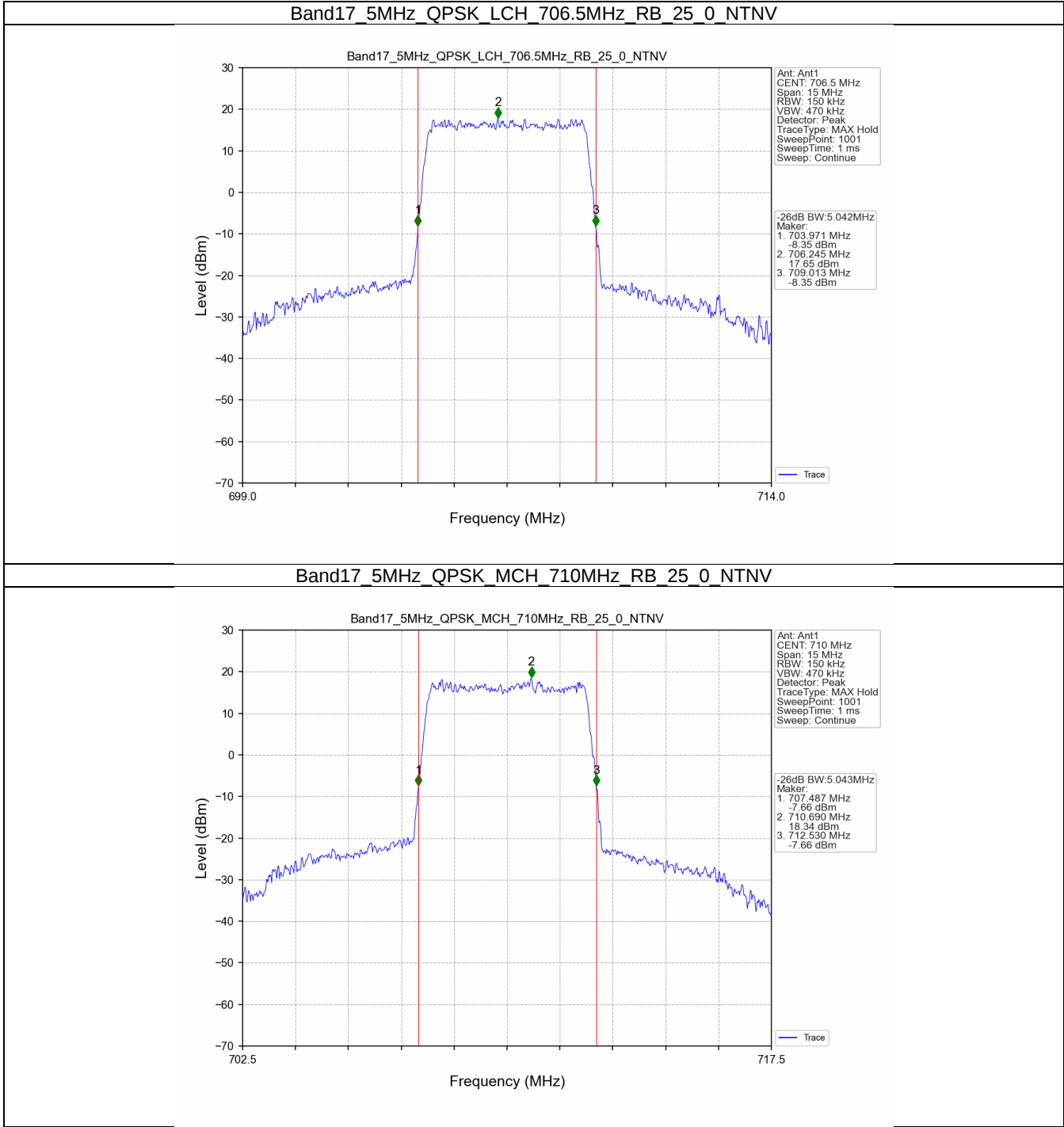
Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



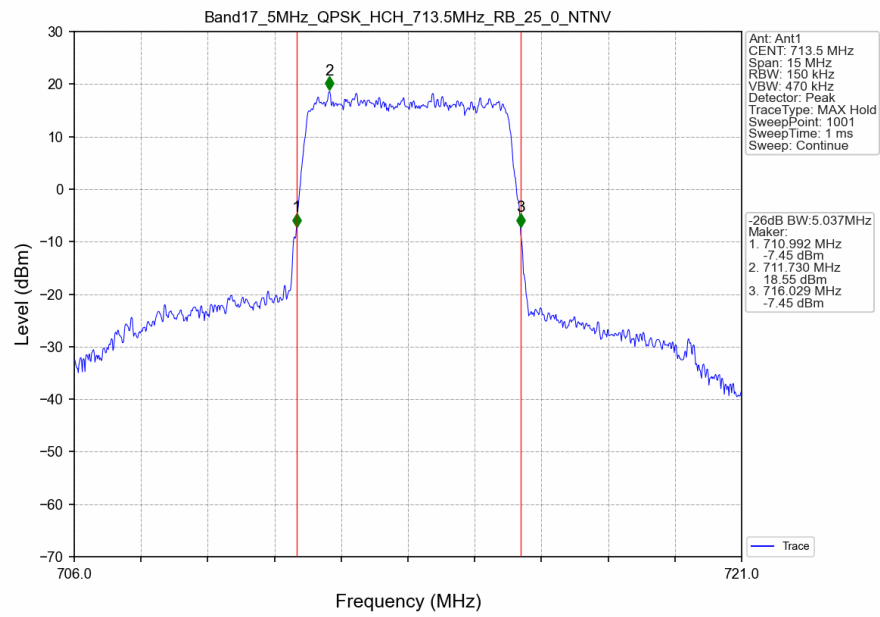
Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



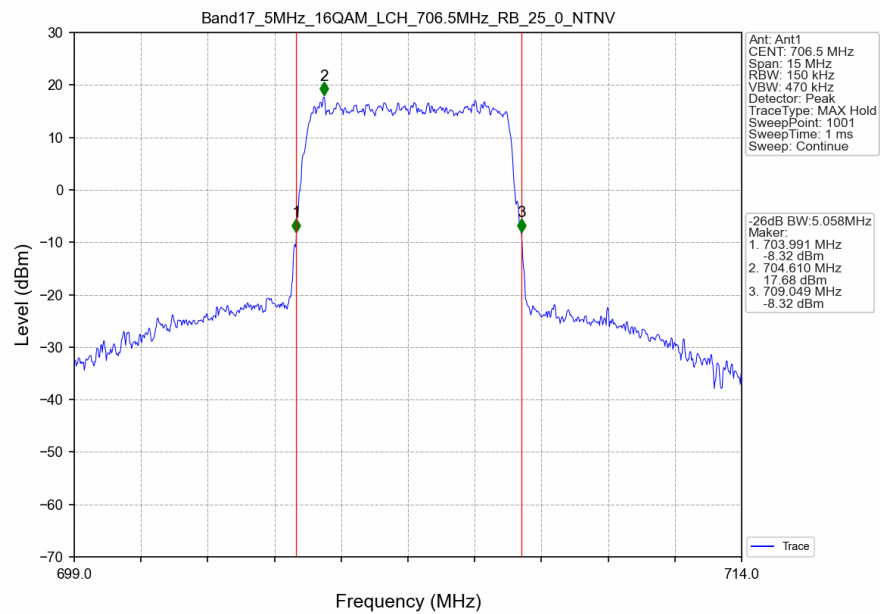
3.2.2 Band17_XDB



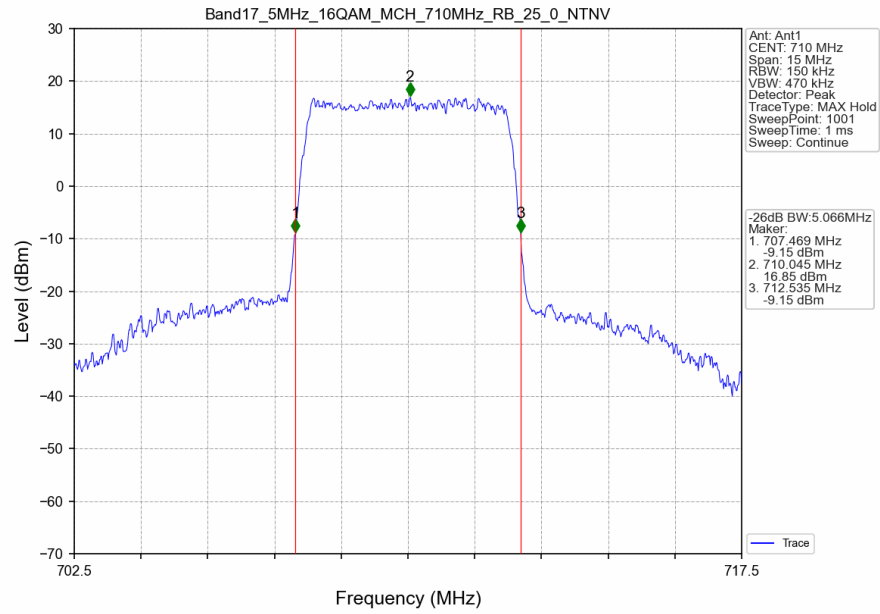
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



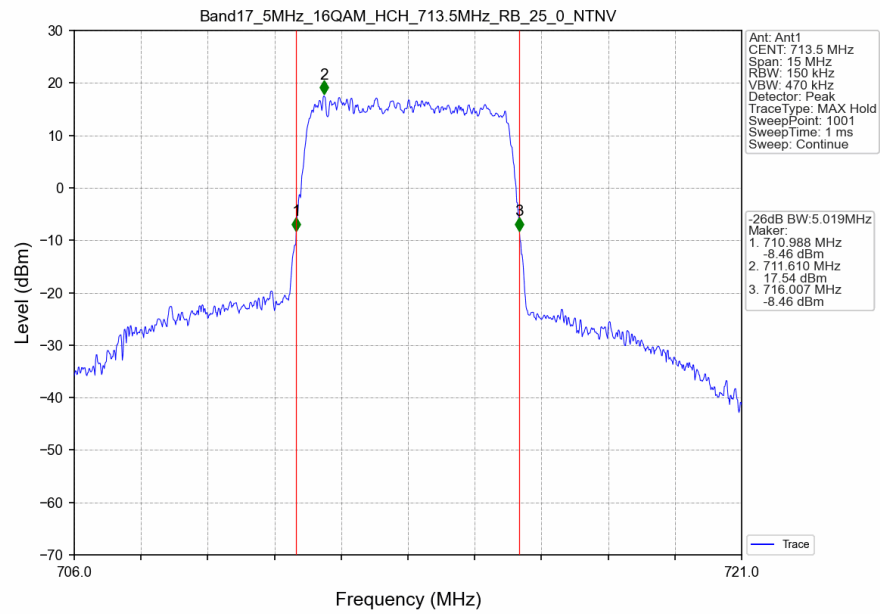
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



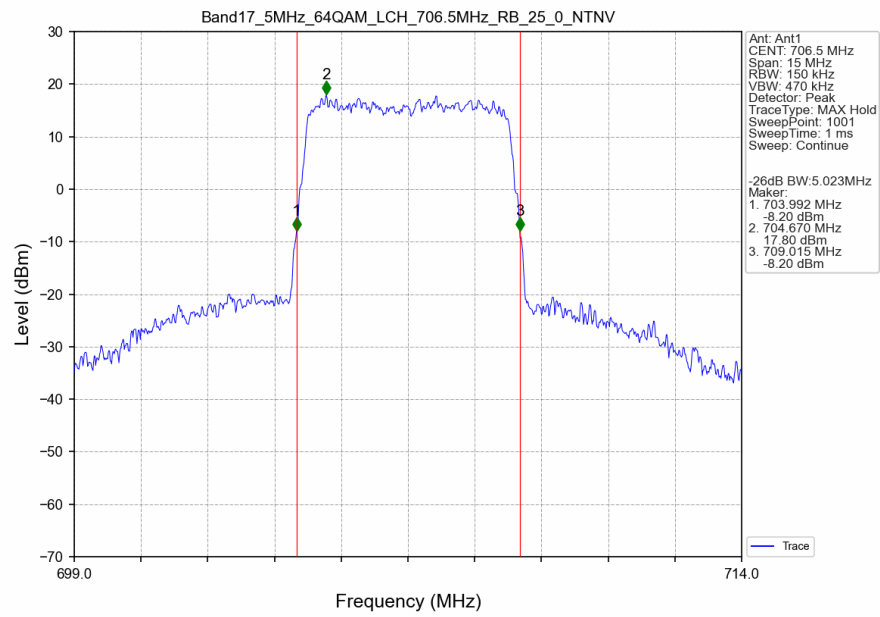
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



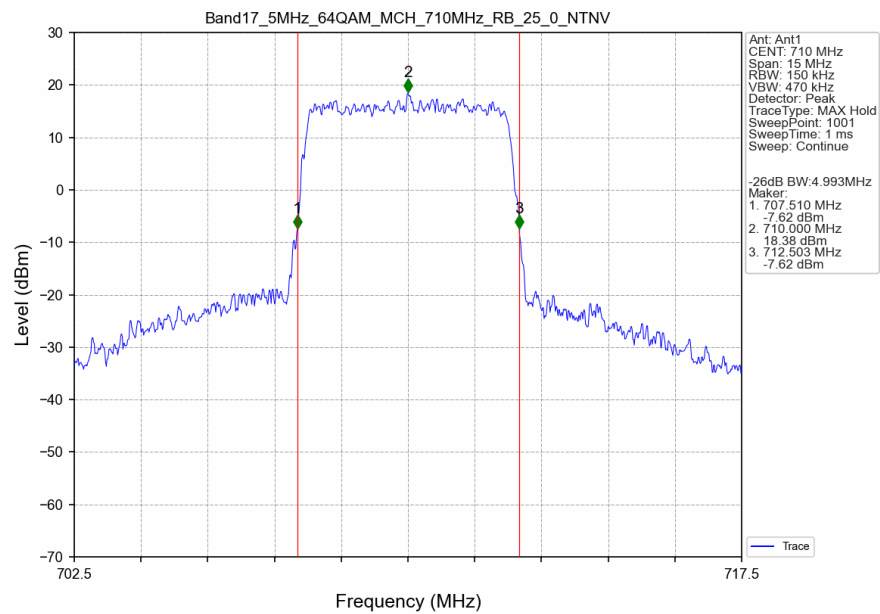
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



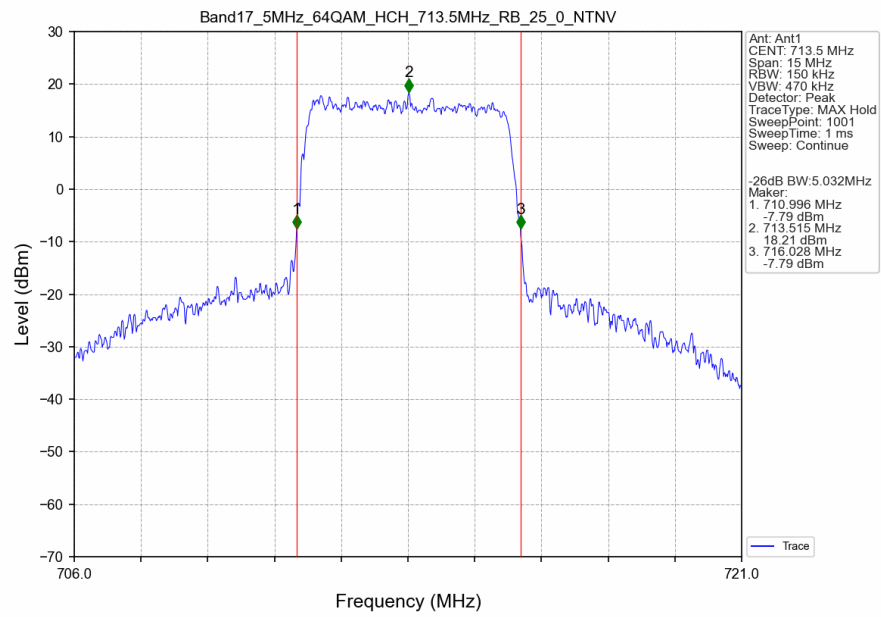
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



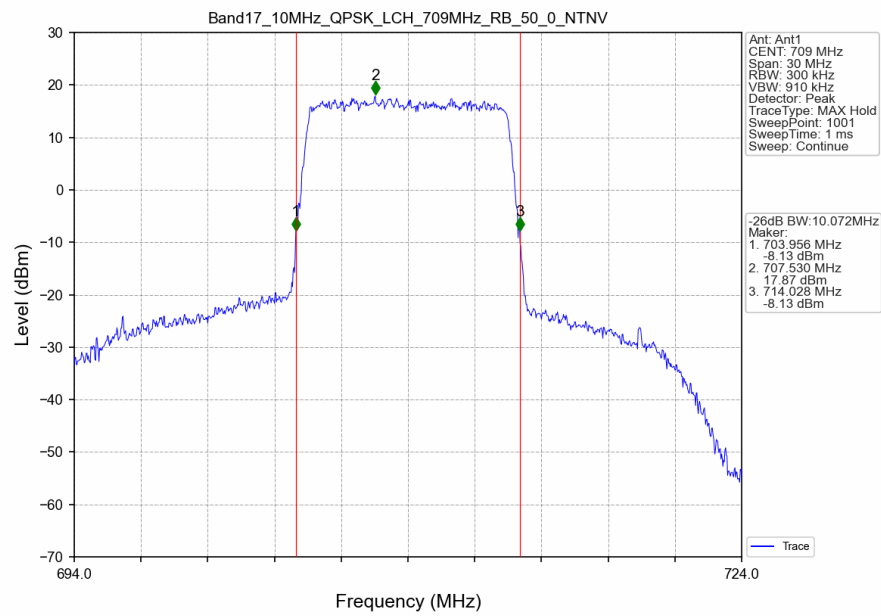
Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



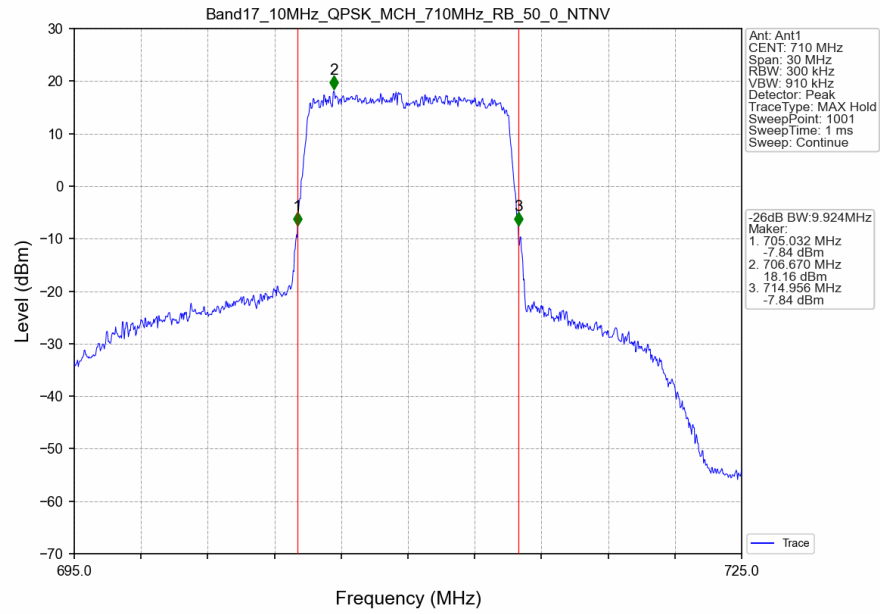
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



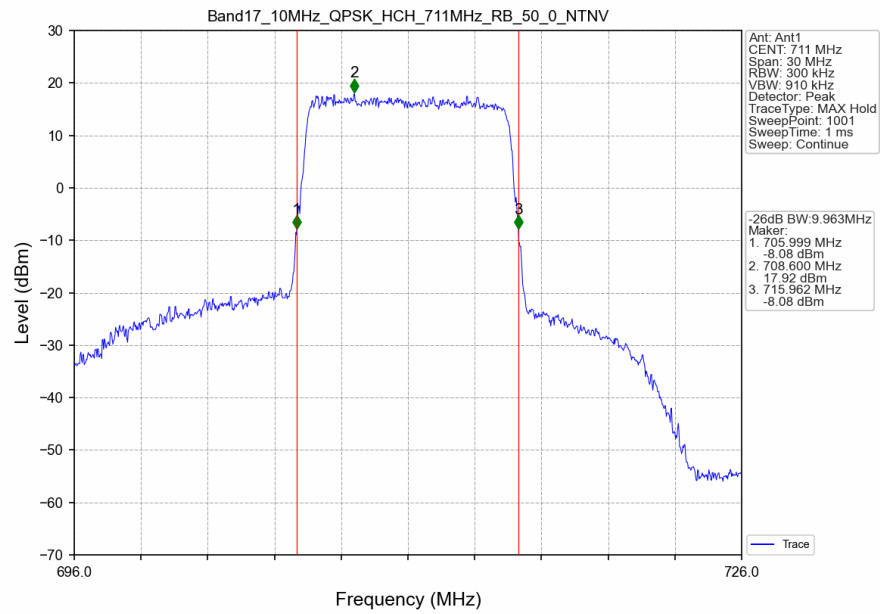
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



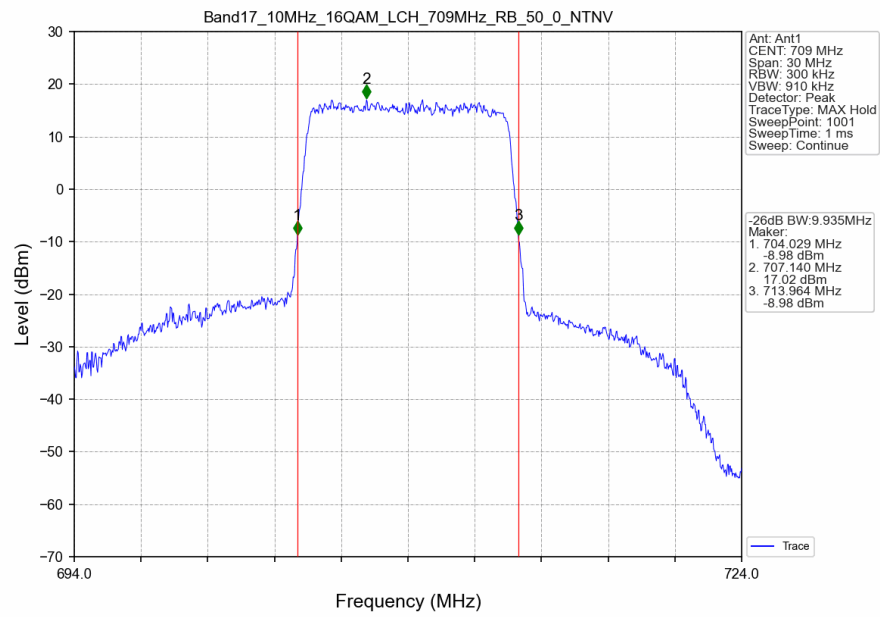
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



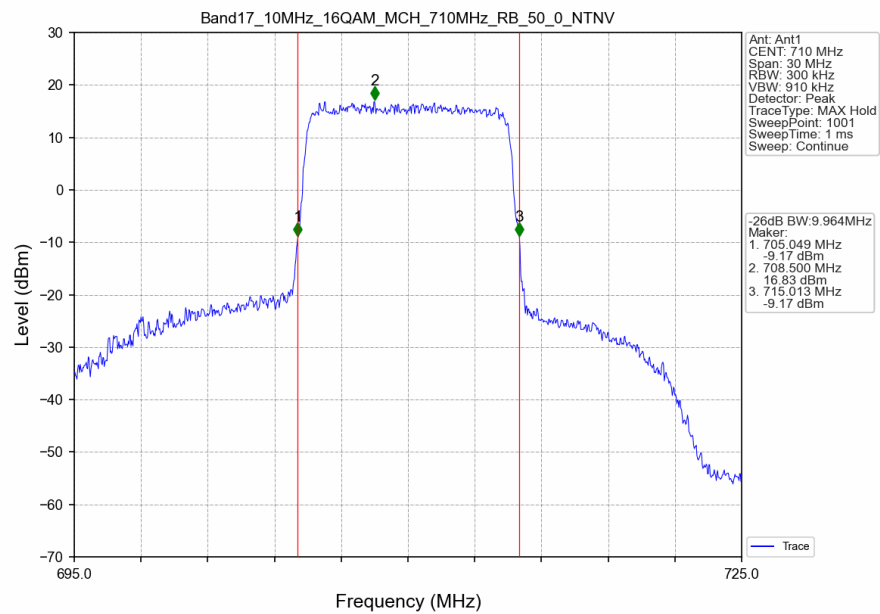
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



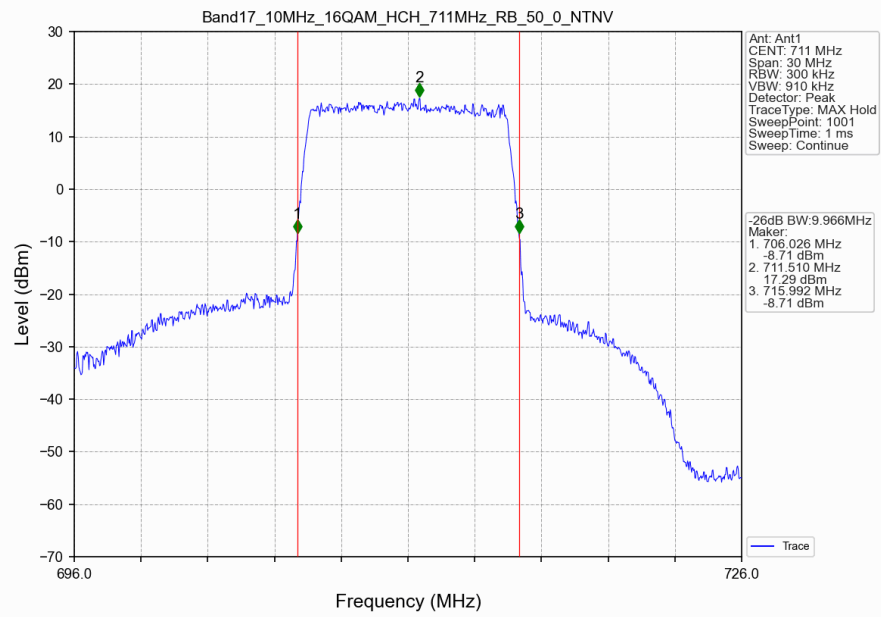
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



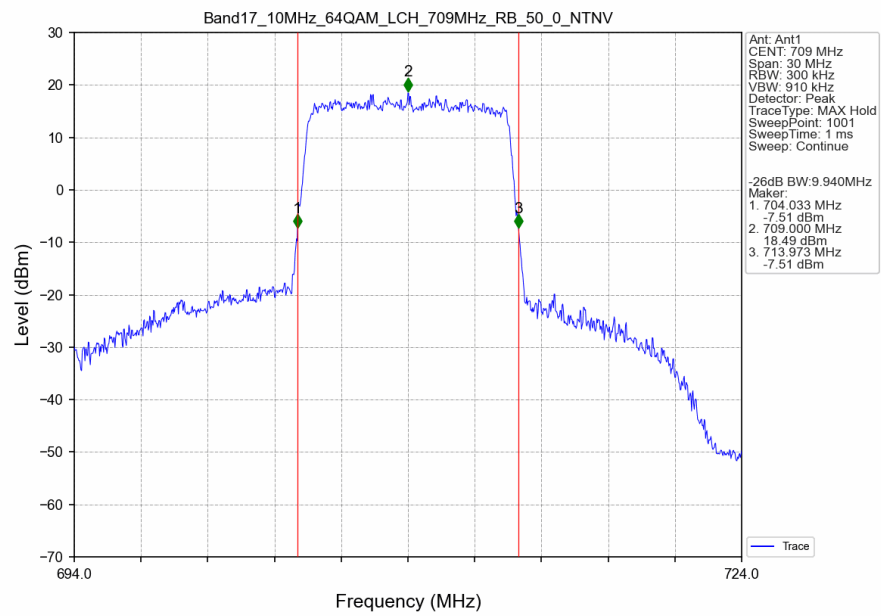
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



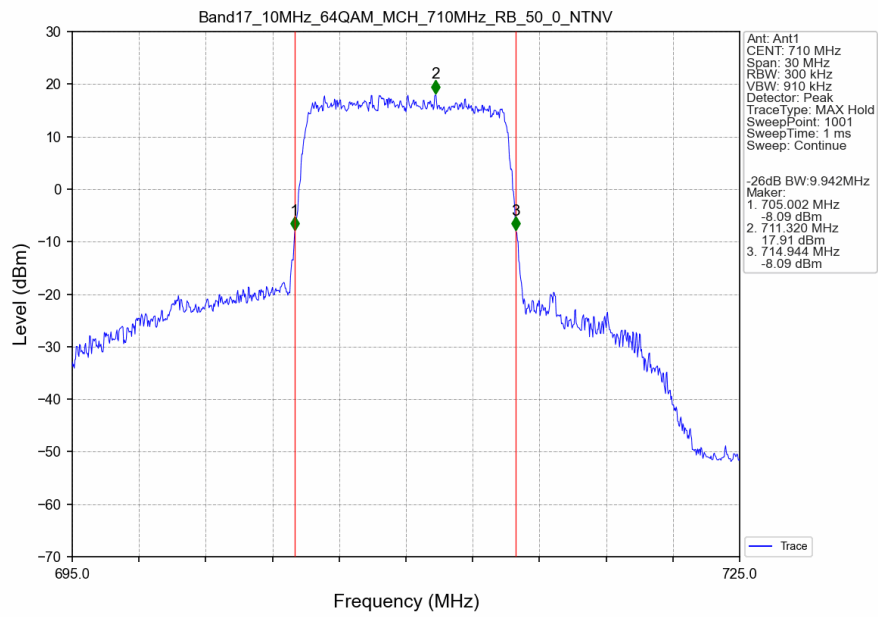
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



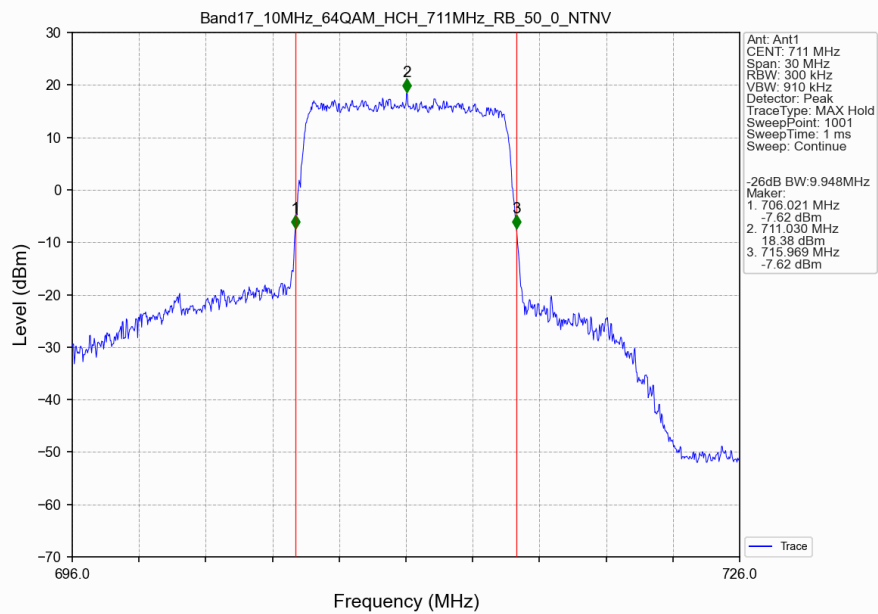
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B17_5MHz

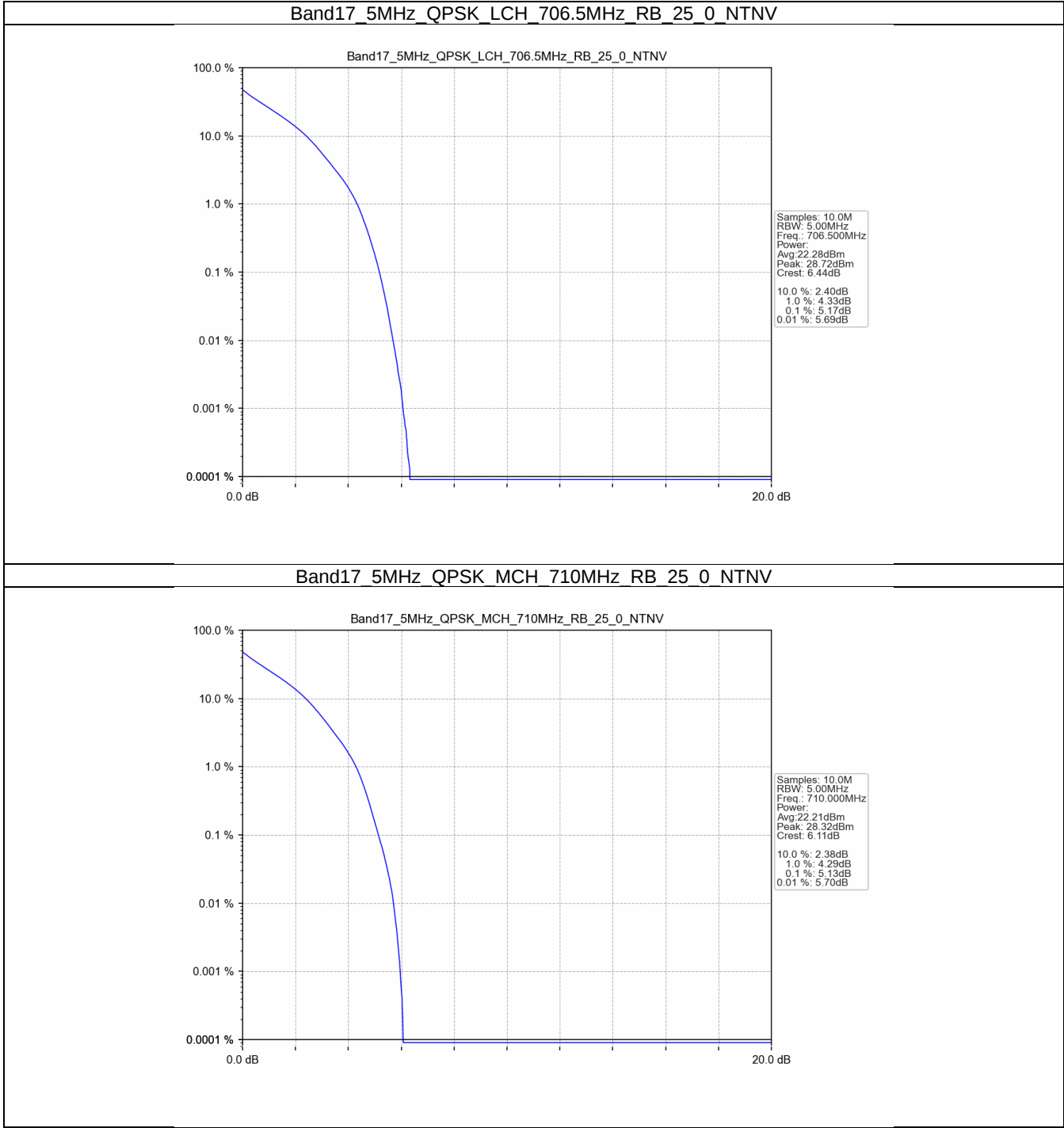
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.17	<=13	Pass
	710	25	0	5.13	<=13	Pass
	713.5	25	0	5.12	<=13	Pass
16QAM	706.5	25	0	5.95	<=13	Pass
	710	25	0	5.89	<=13	Pass
	713.5	25	0	5.87	<=13	Pass
64QAM	706.5	25	0	6.36	<=13	Pass
	710	25	0	6.23	<=13	Pass
	713.5	25	0	6.10	<=13	Pass

4.1.2 B17_10MHz

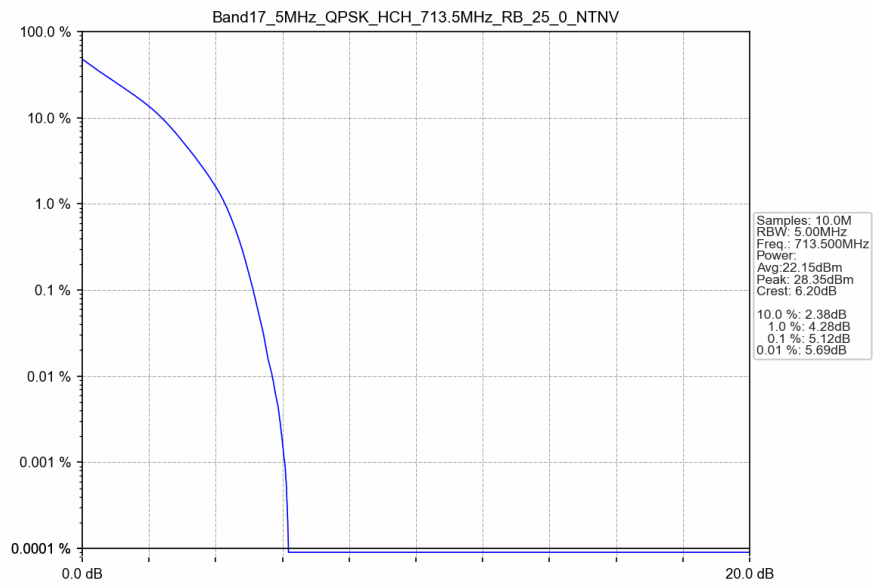
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.09	<=13	Pass
	710	50	0	5.07	<=13	Pass
	711	50	0	5.05	<=13	Pass
16QAM	709	50	0	5.89	<=13	Pass
	710	50	0	5.89	<=13	Pass
	711	50	0	5.87	<=13	Pass
64QAM	709	50	0	6.25	<=13	Pass
	710	50	0	6.22	<=13	Pass
	711	50	0	6.20	<=13	Pass

4.2 Test Graph

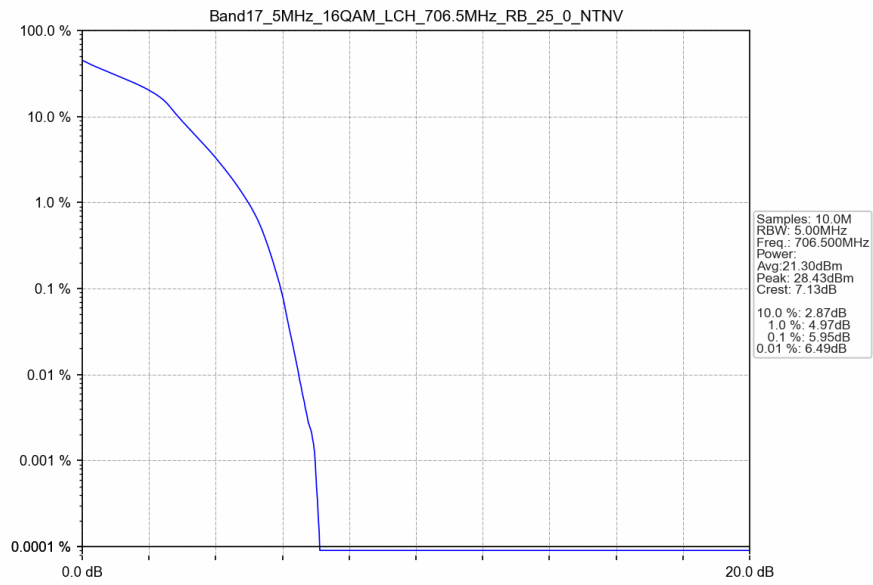
4.2.1 B17_5MHz



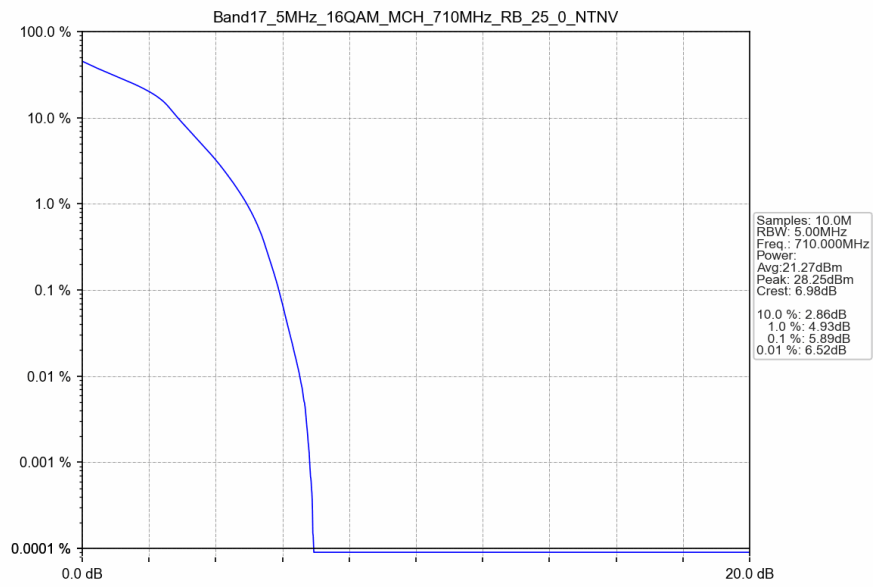
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



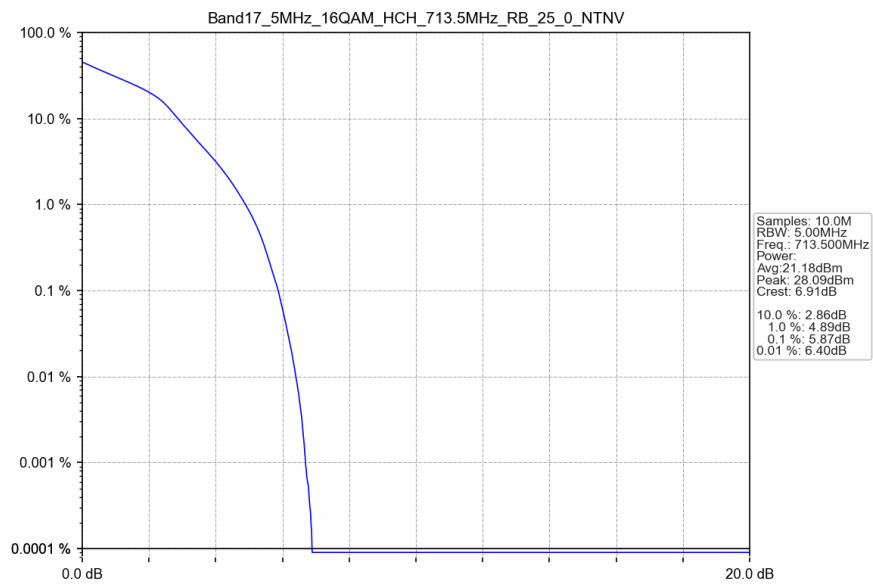
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



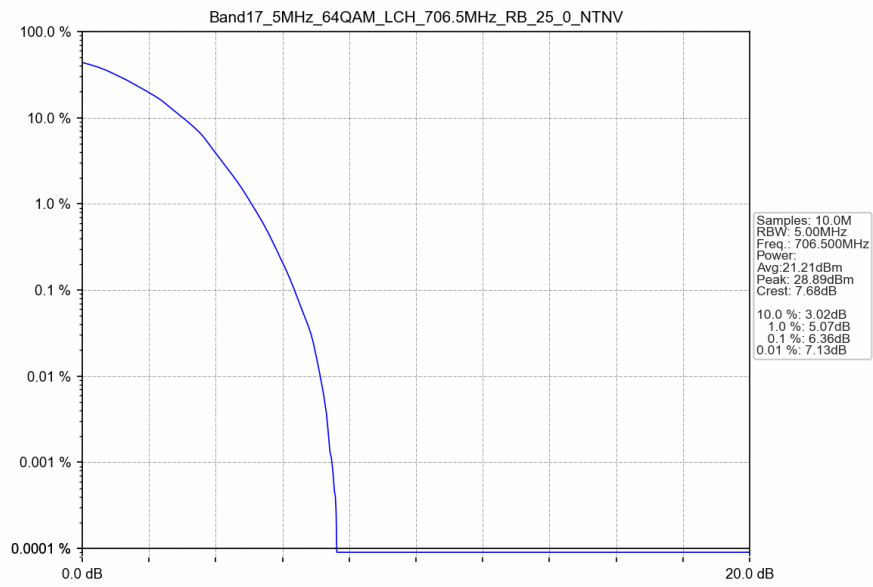
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



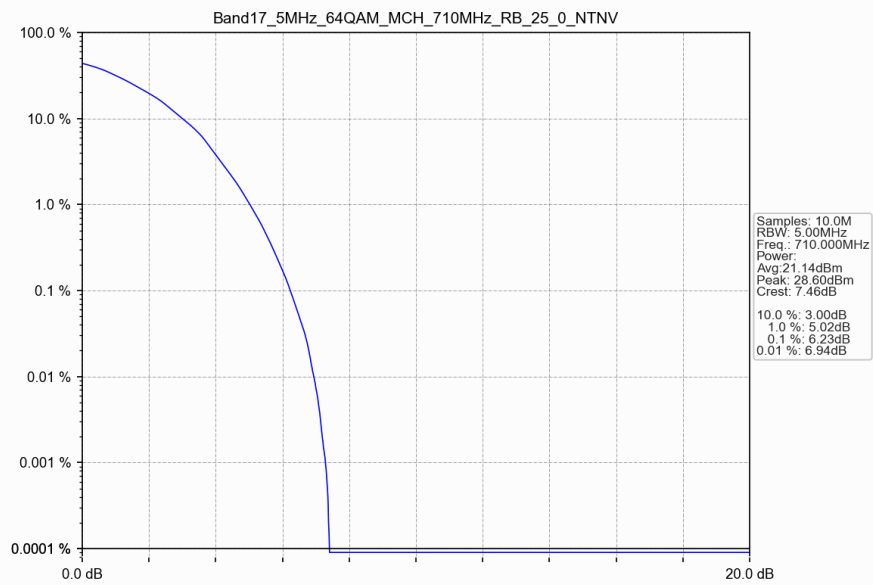
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



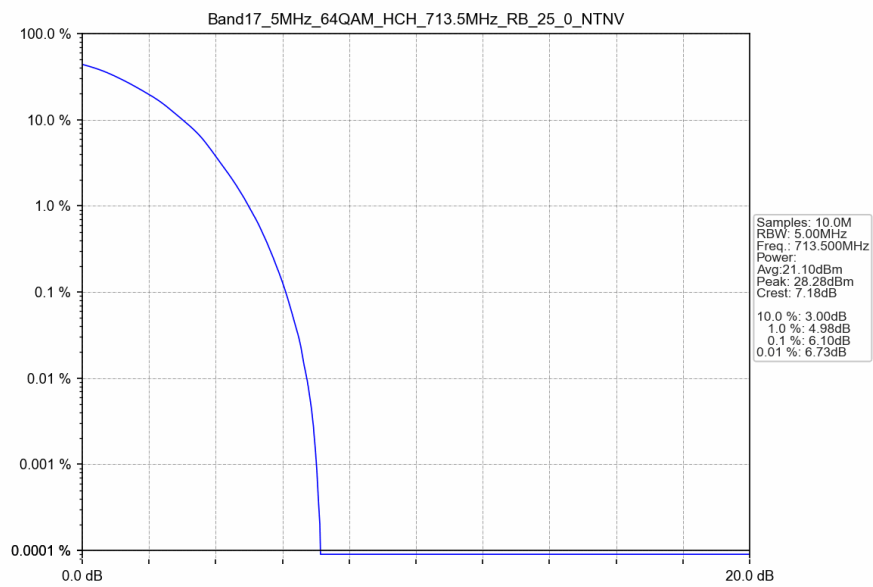
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



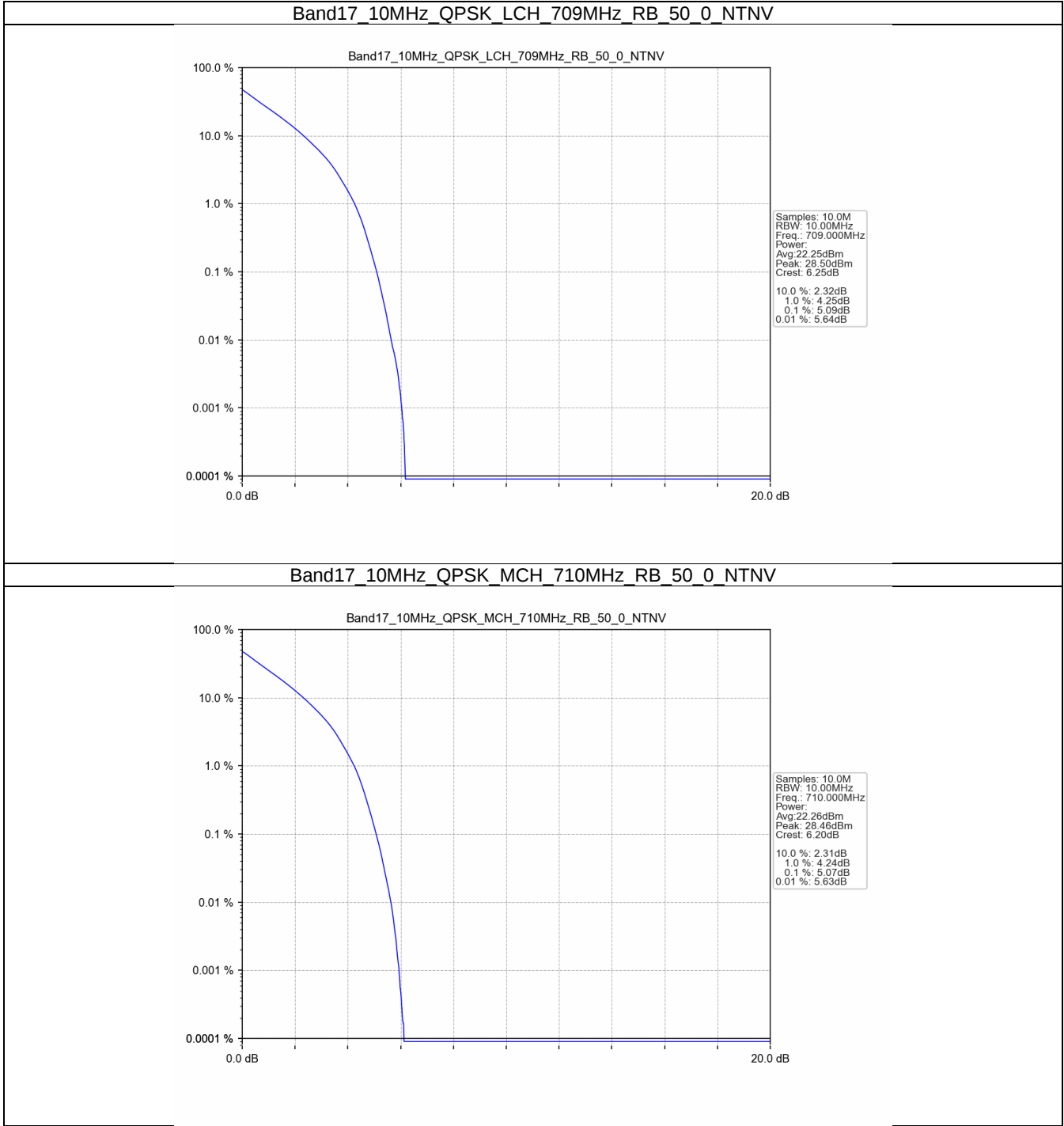
Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



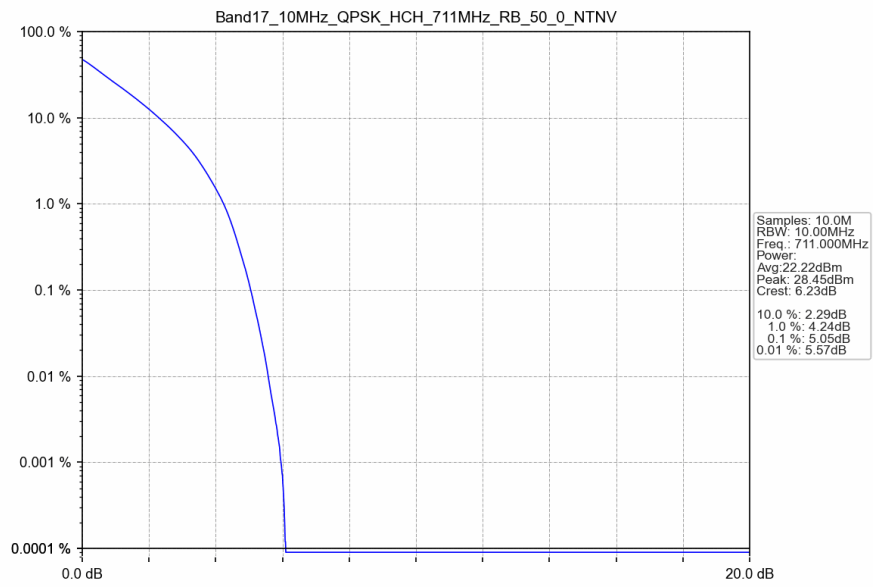
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



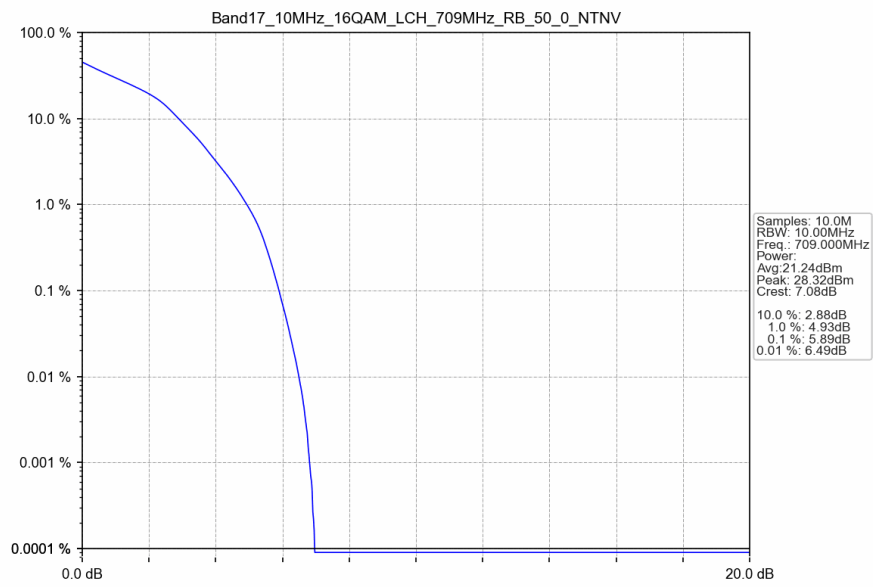
4.2.2 B17_10MHz



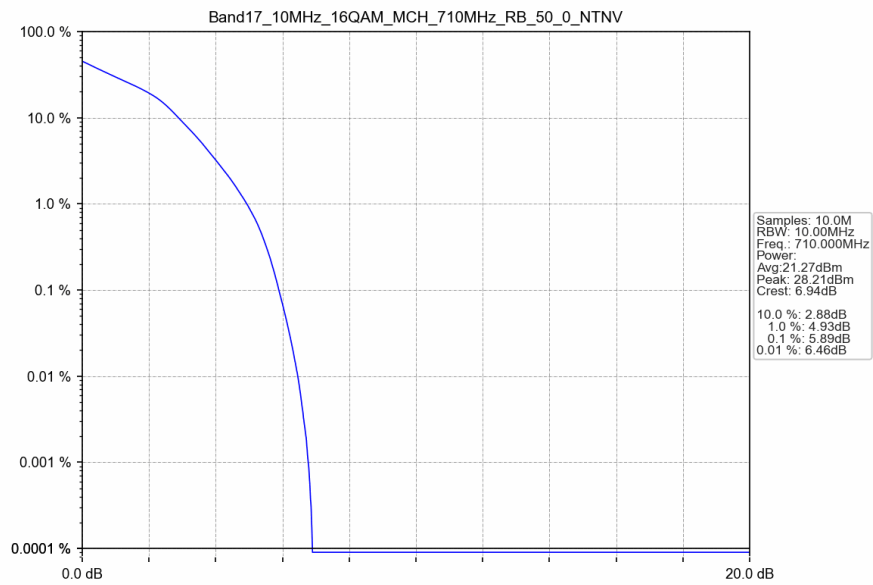
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



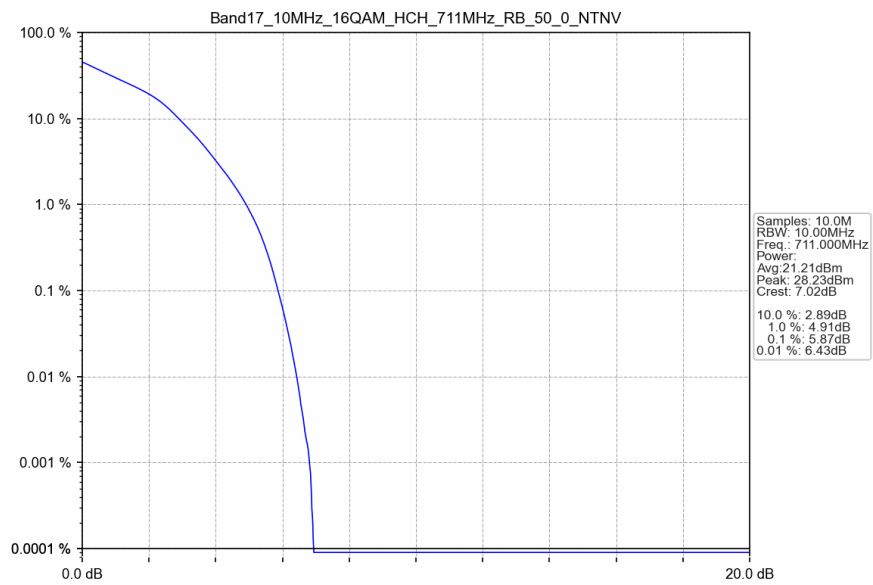
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



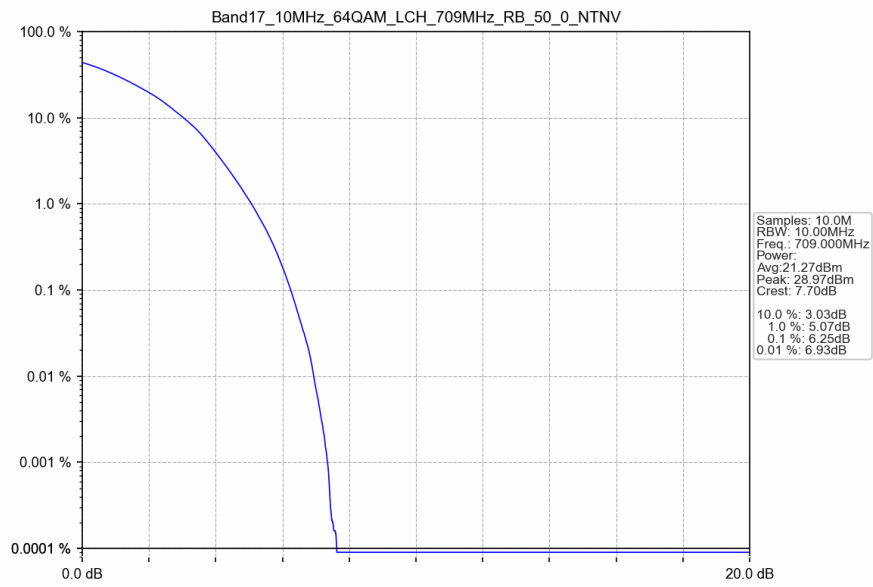
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



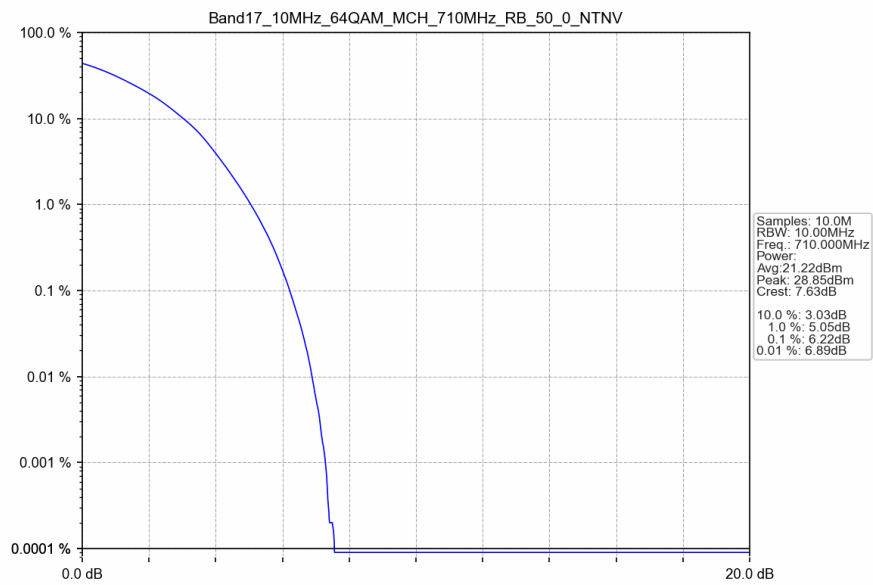
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



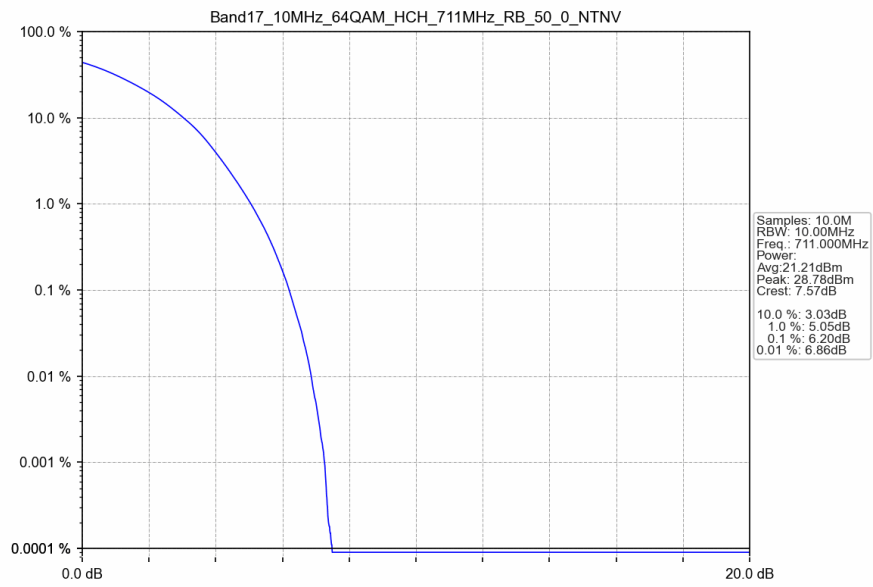
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



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

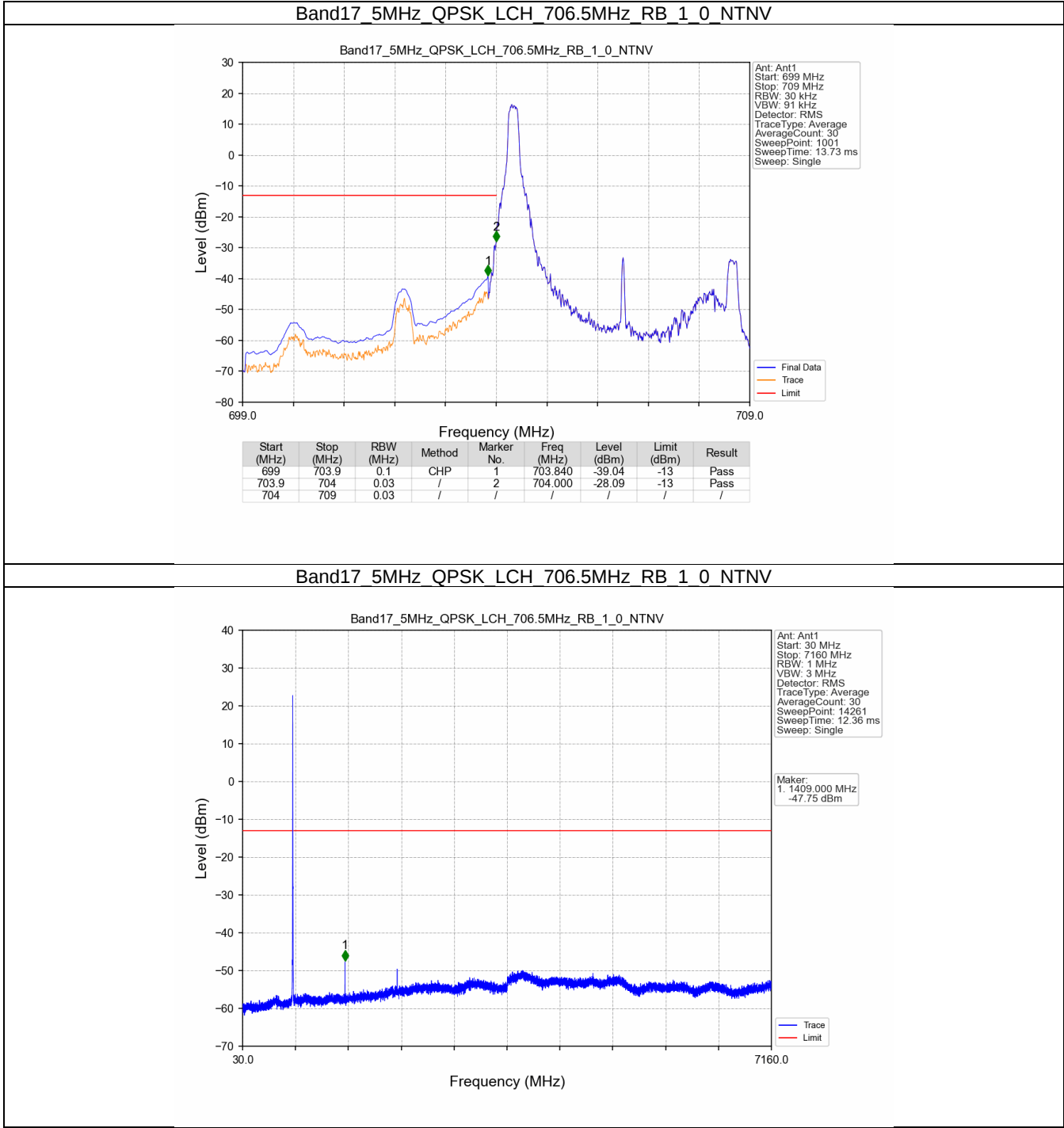
Band: 17 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM			706.5	1	0	Refer To Test Graph
	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
	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

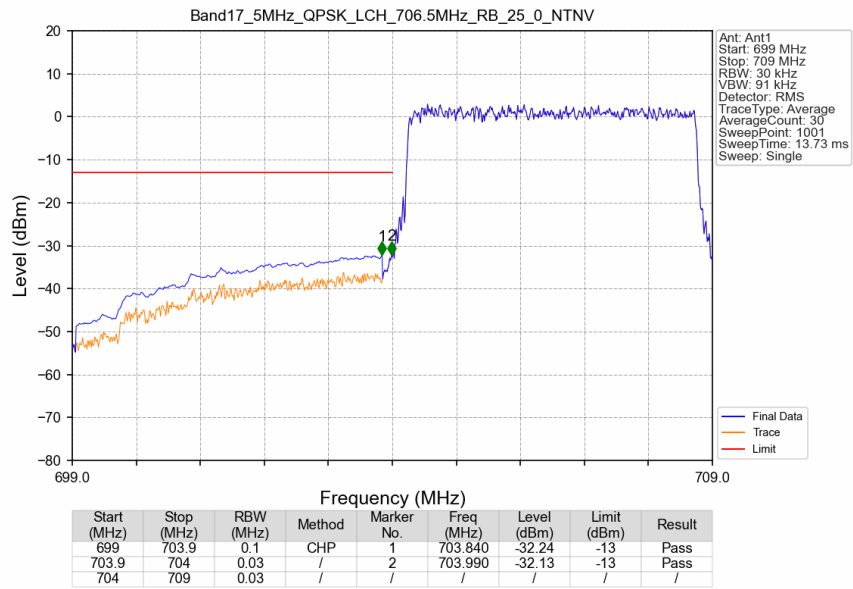
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

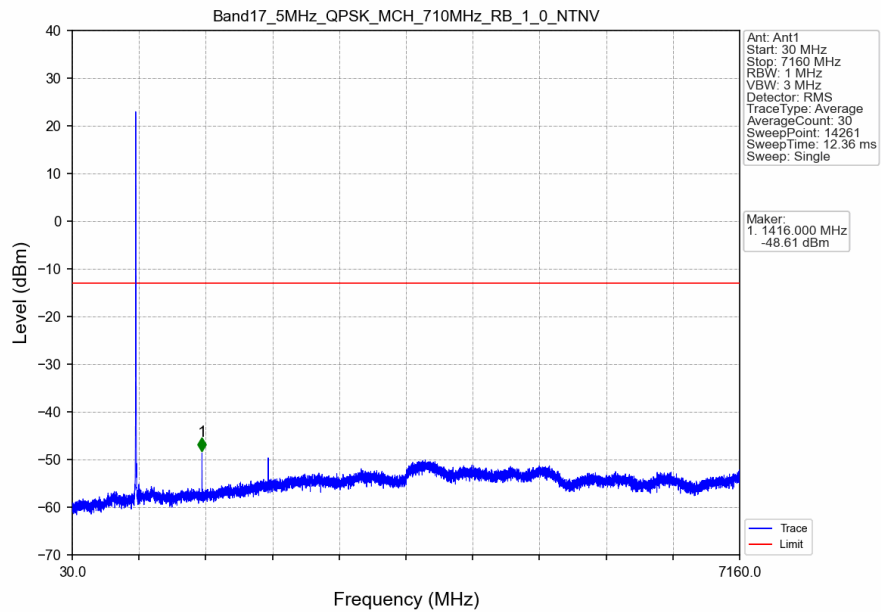
5.2.1 B17_5MHz



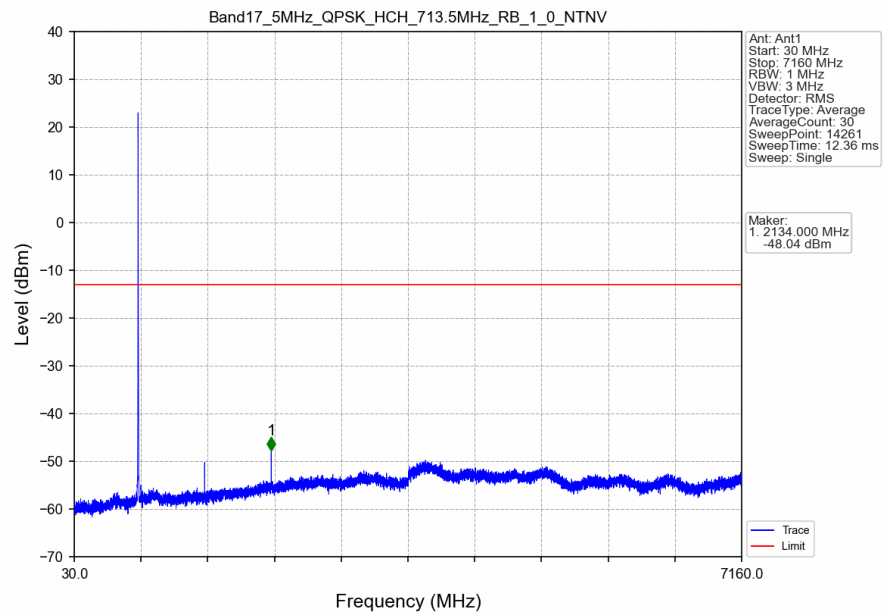
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



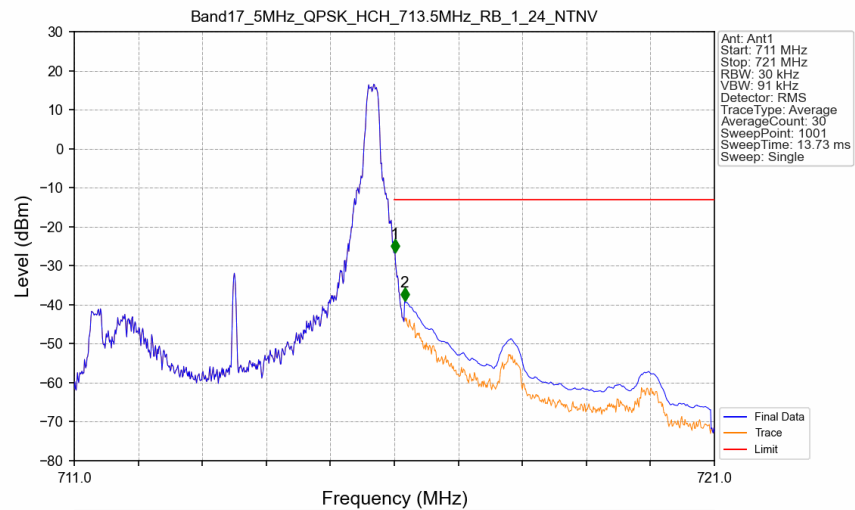
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

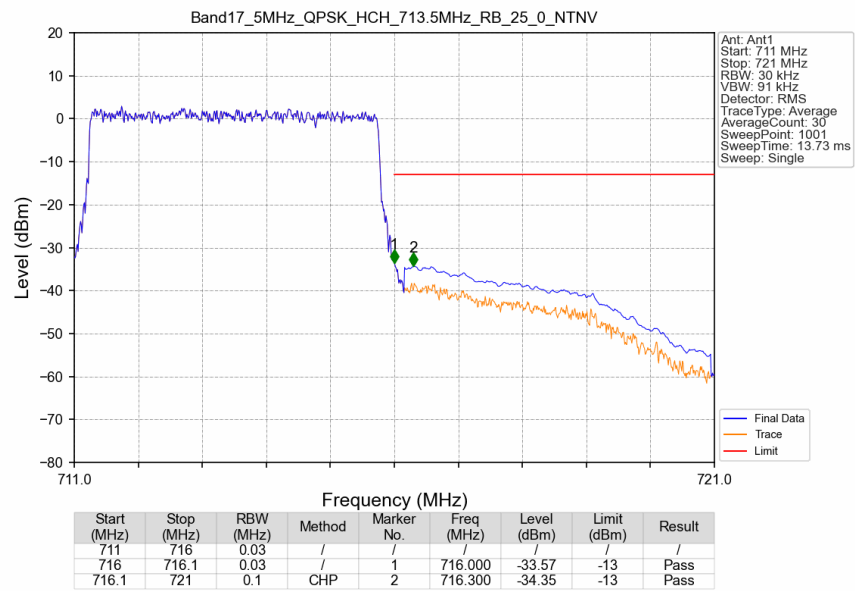


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV

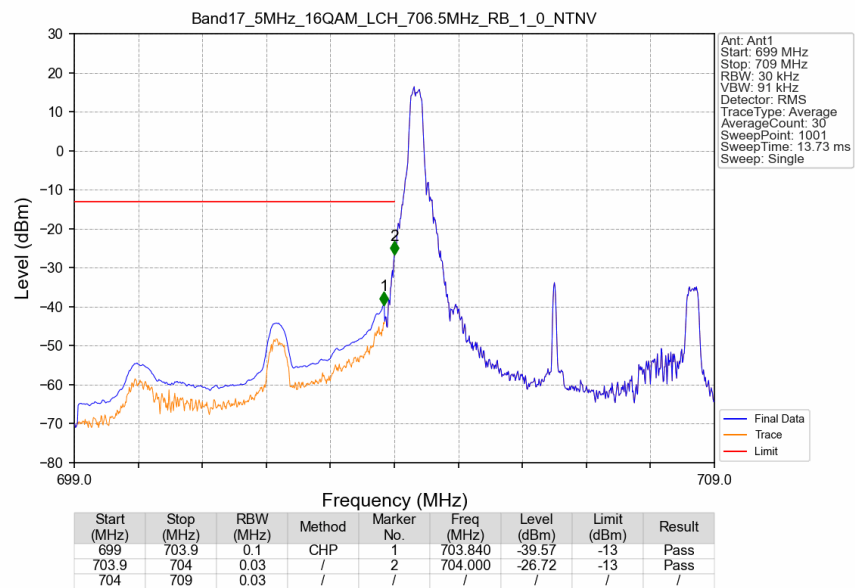


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	716.010	-26.59	-13	Pass
716.1	721	0.1	CHP	2	716.160	-39.05	-13	Pass

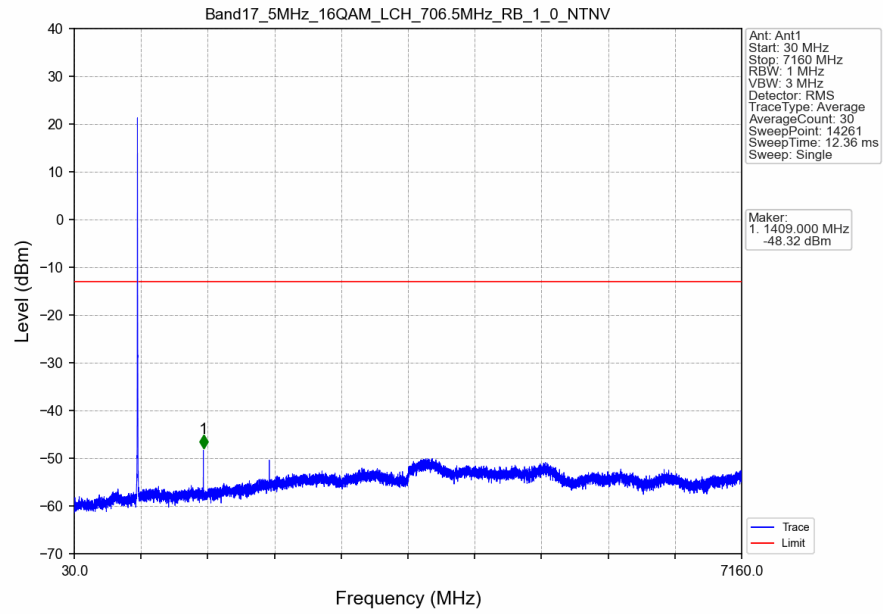
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



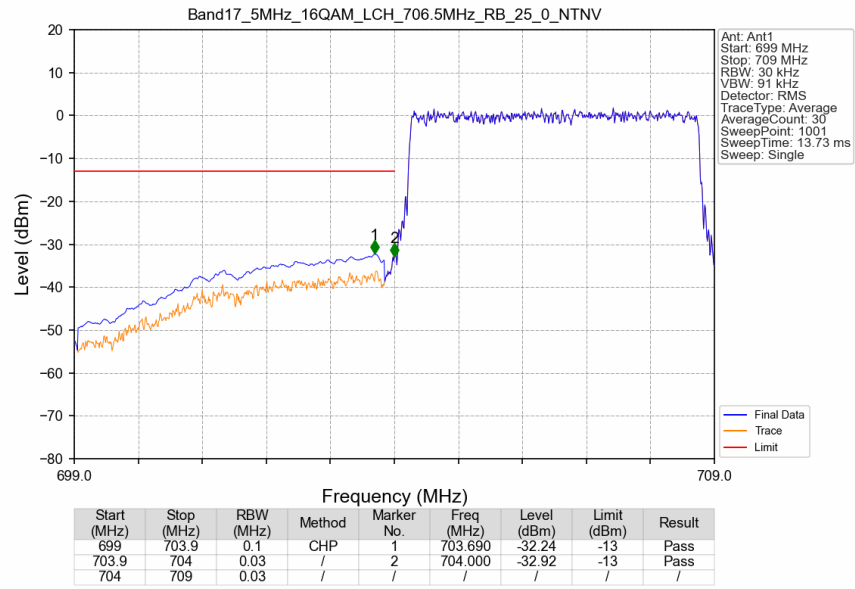
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



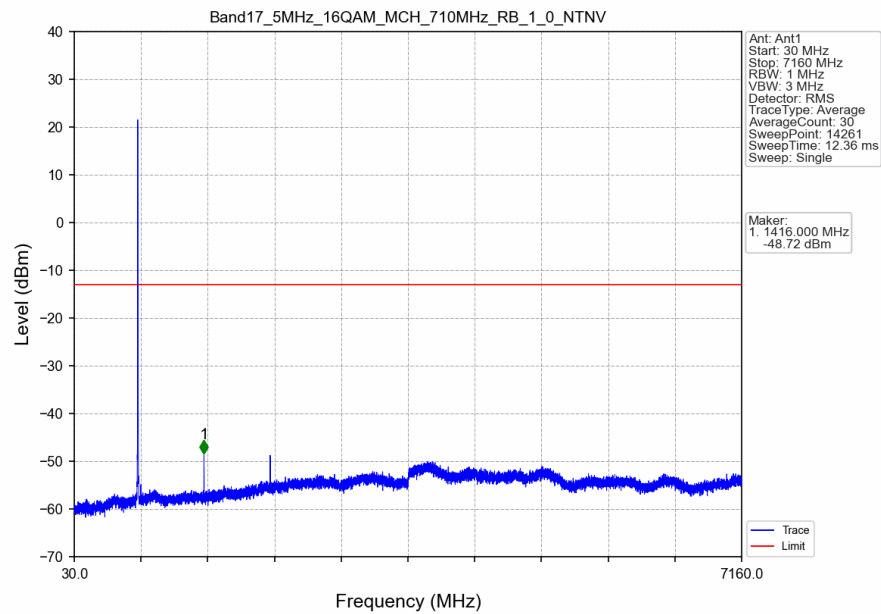
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



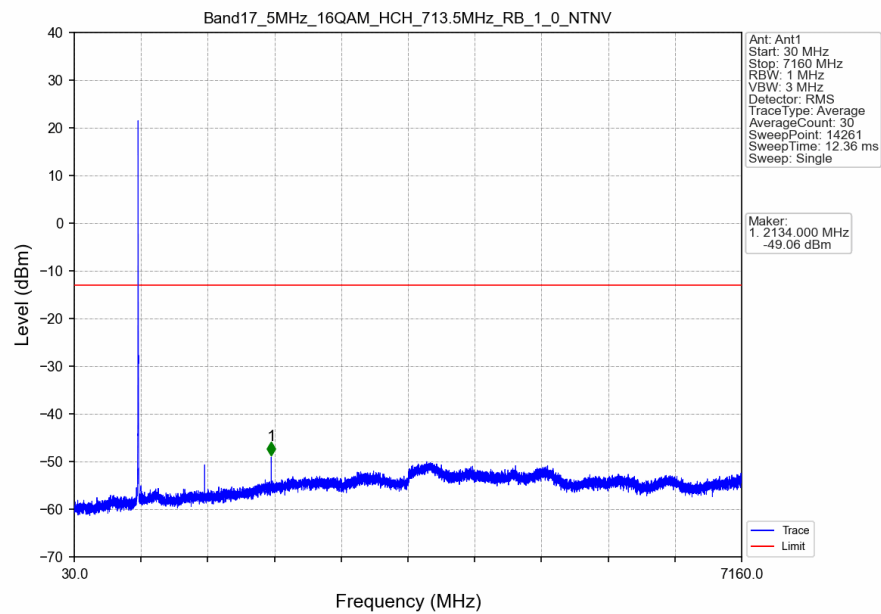
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



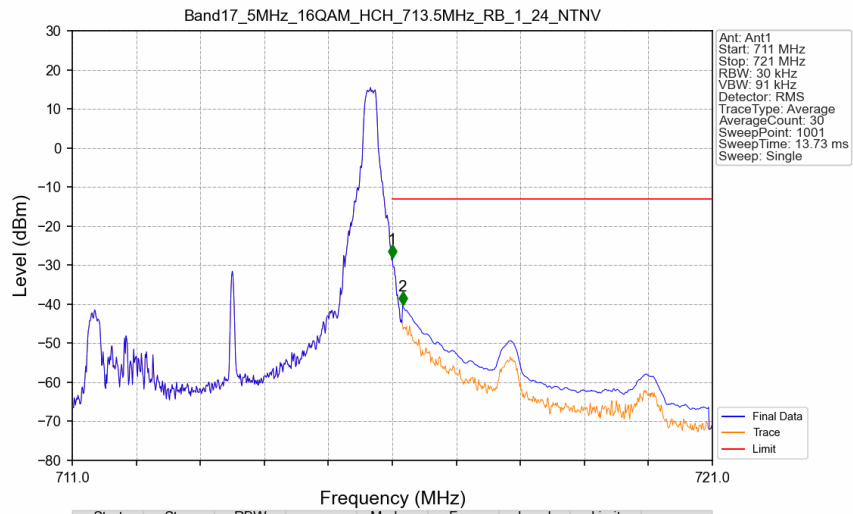
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



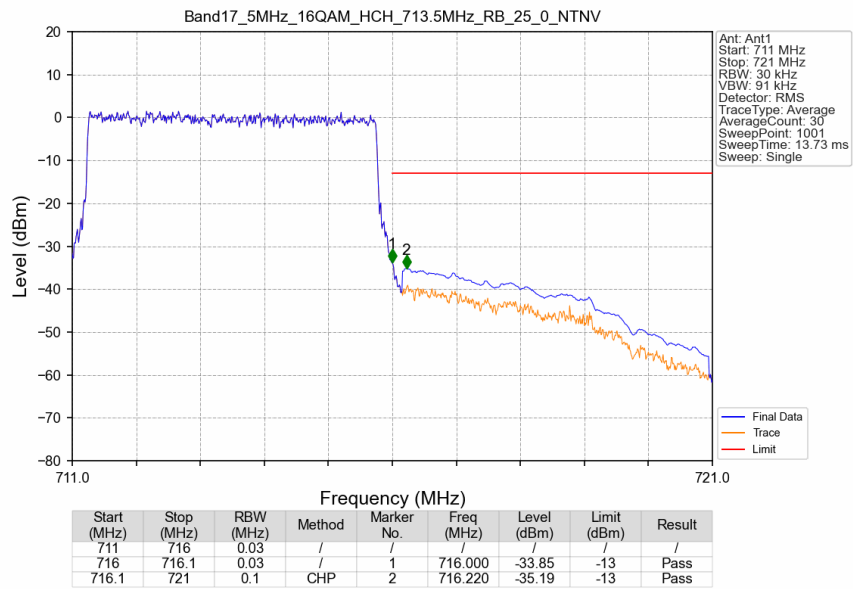
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



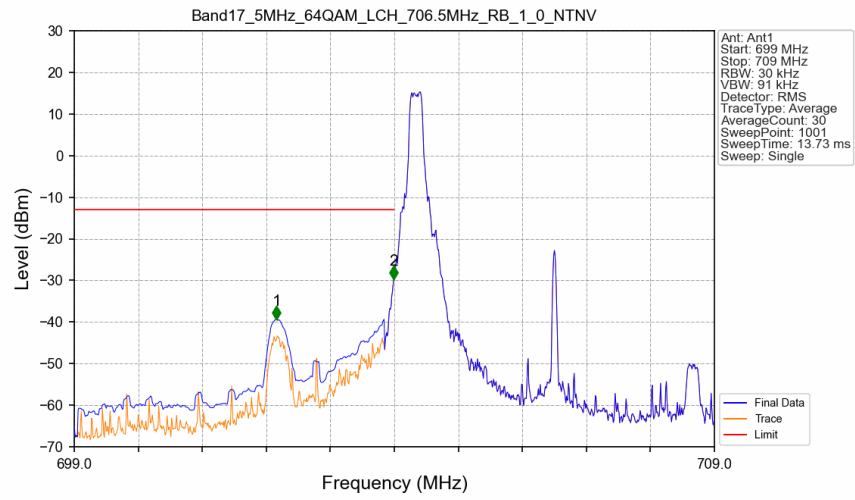
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

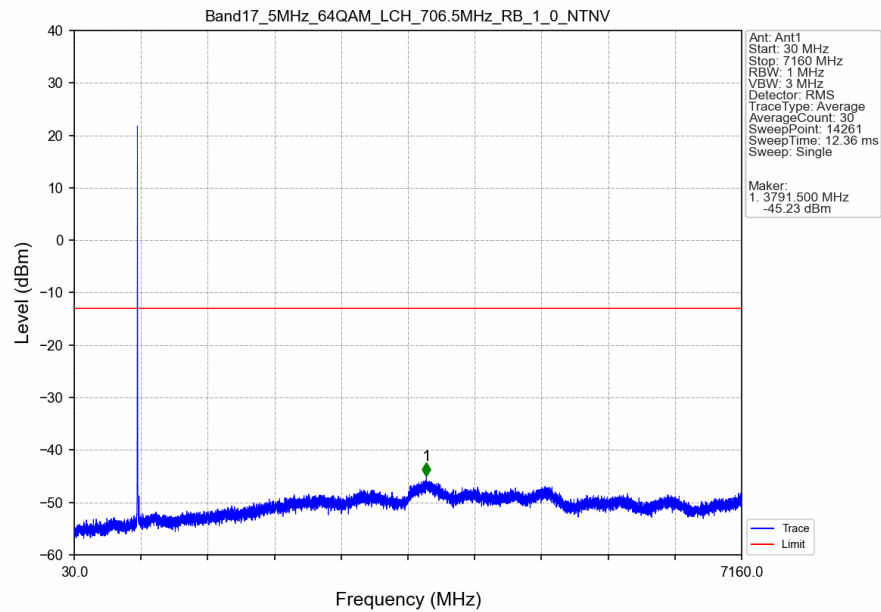


Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV

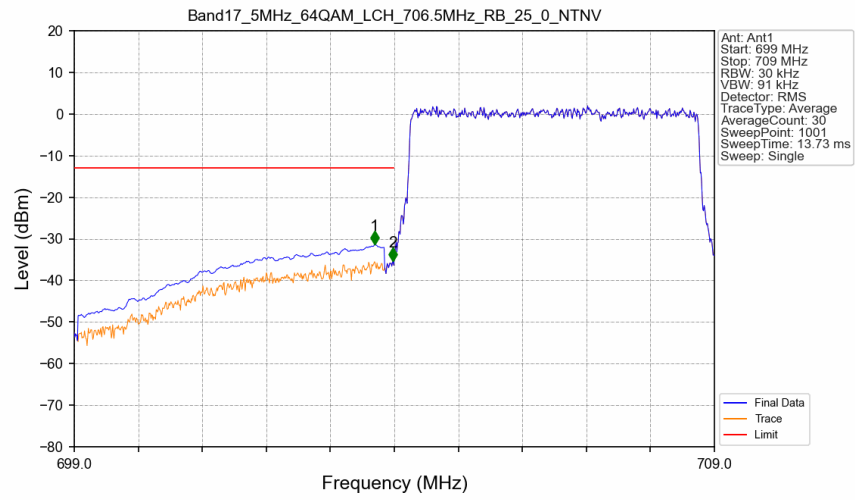


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	702.160	-39.31	-13	Pass
703.9	704	0.03	/	2	703.990	-29.61	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV

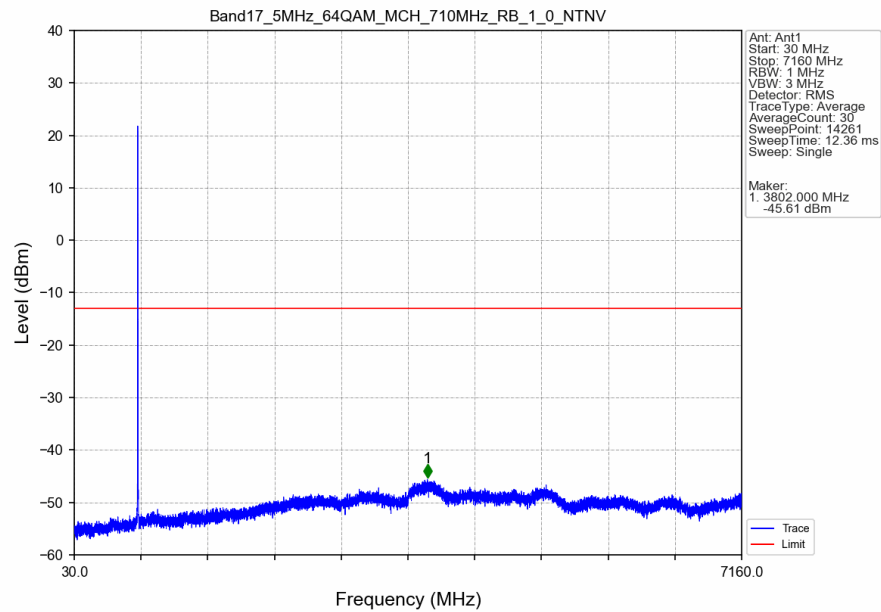


Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV

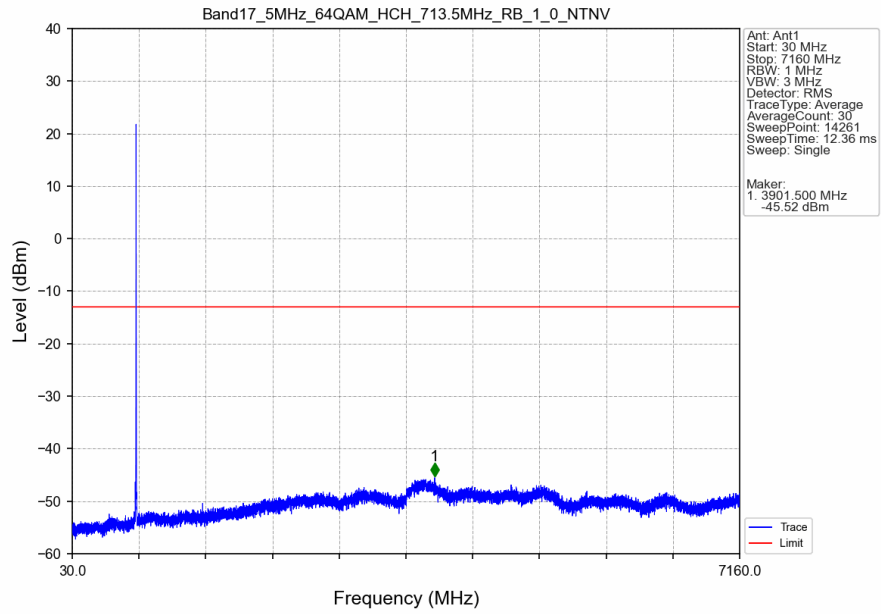


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.690	-31.36	-13	Pass
703.9	704	0.03	/	2	703.980	-35.39	-13	Pass
704	709	0.03	/	/	/	/	/	/

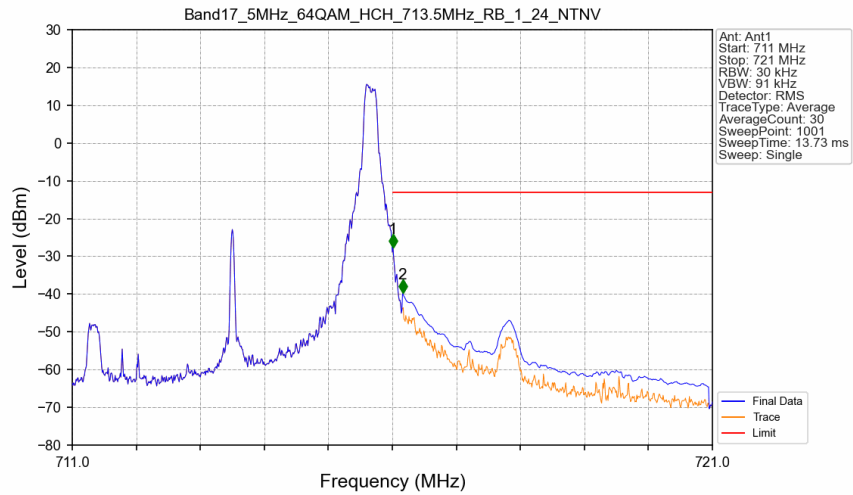
Band17_5MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_0_NTNV

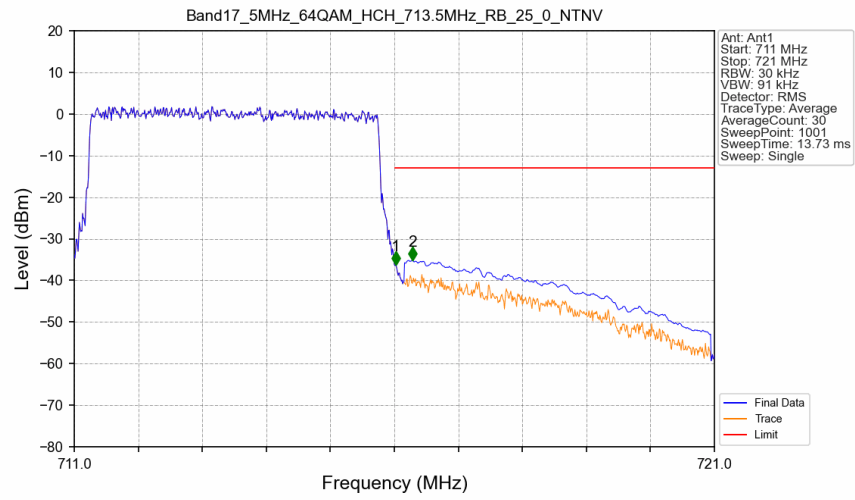


Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_24_NTNV



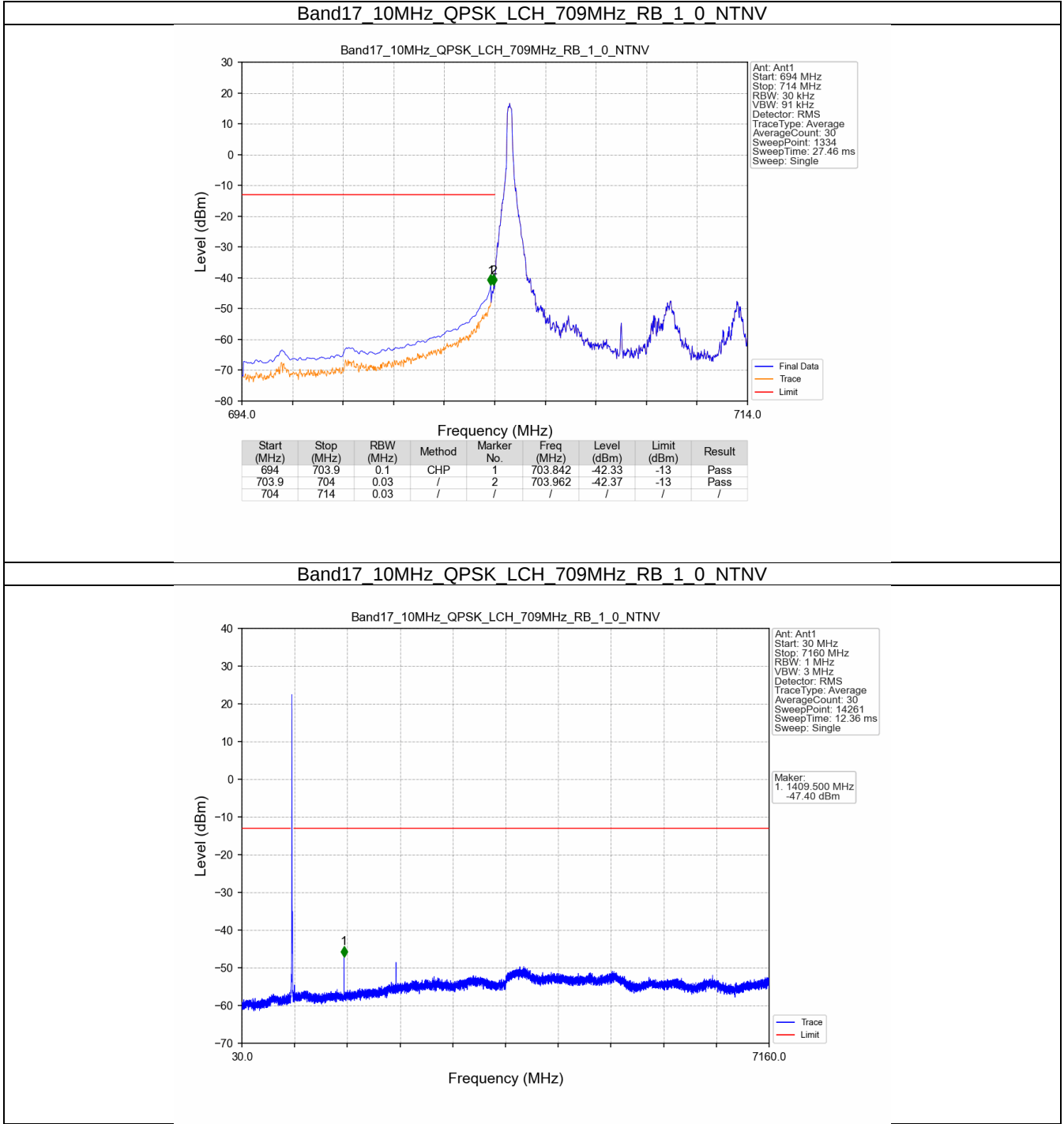
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-27.56	-13	Pass
716.1	721	0.1	CHP	2	716.160	-39.58	-13	Pass

Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

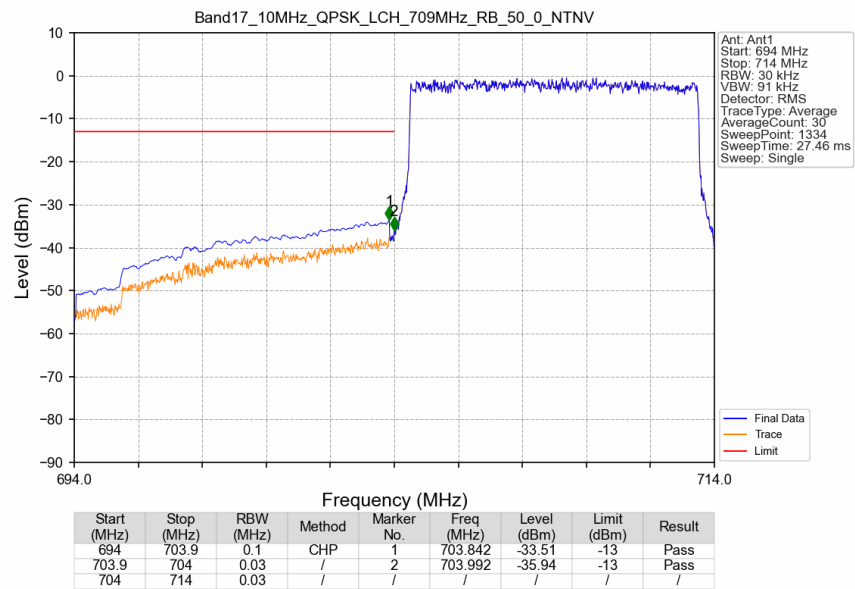


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-36.30	-13	Pass
716.1	721	0.1	CHP	2	716.280	-35.18	-13	Pass

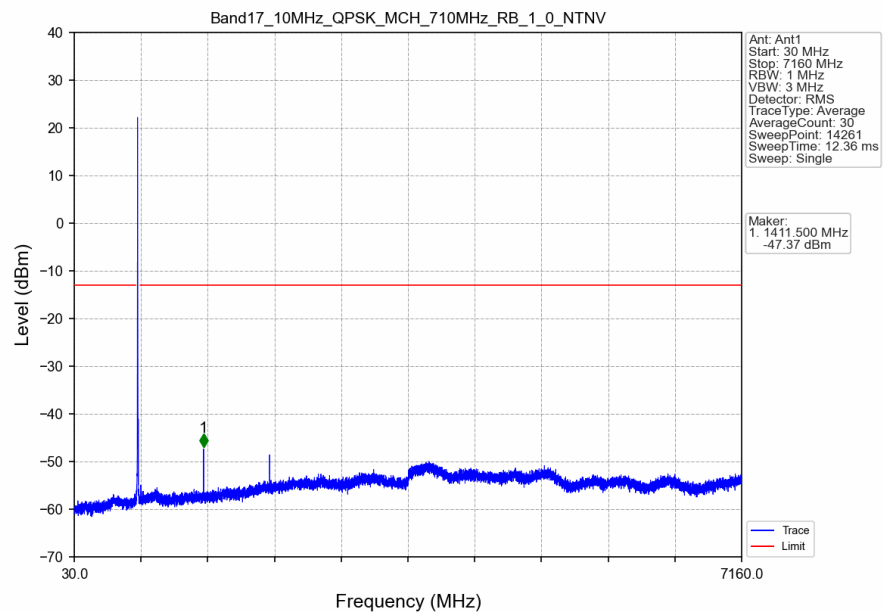
5.2.2 B17_10MHz



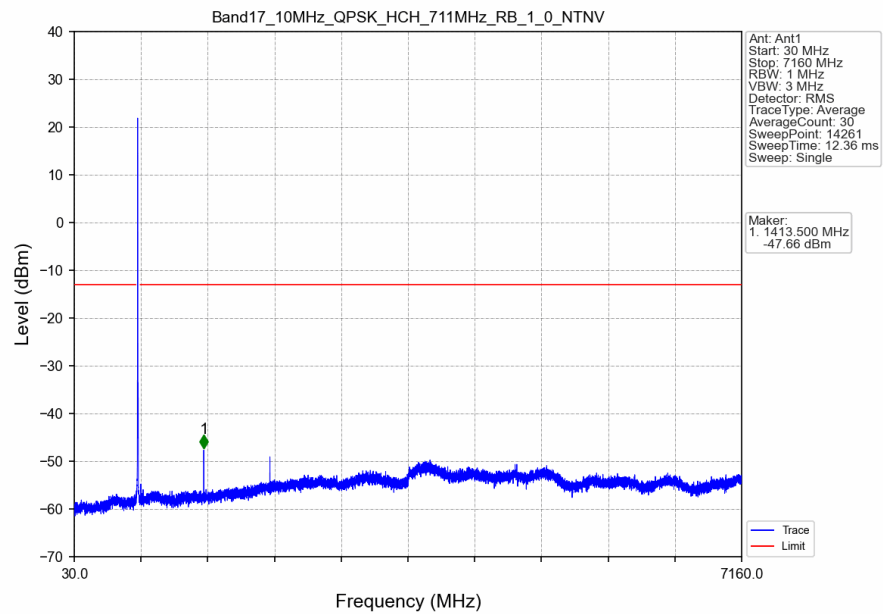
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



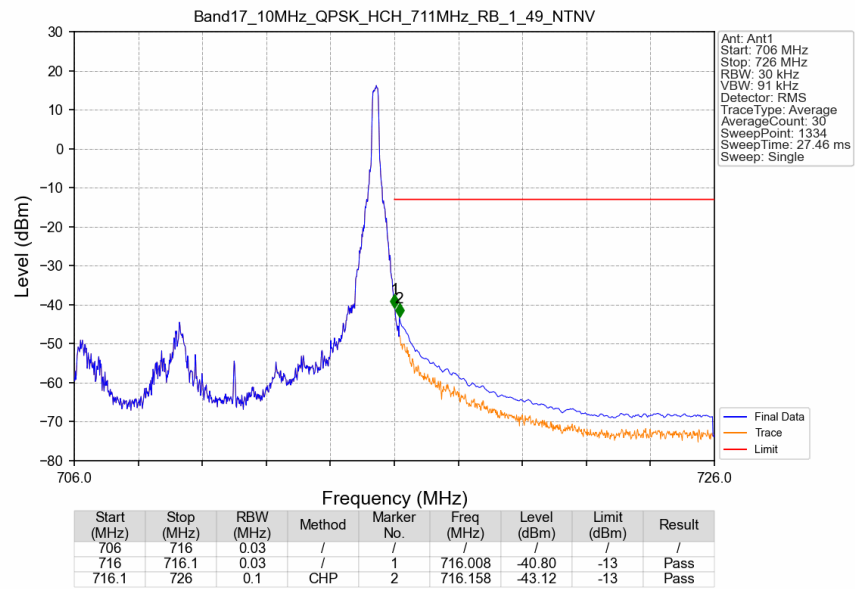
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



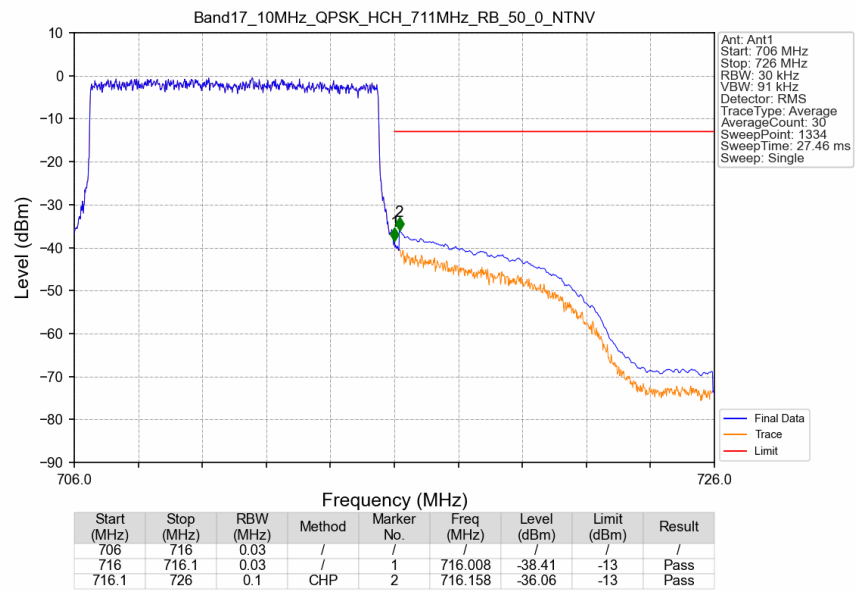
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



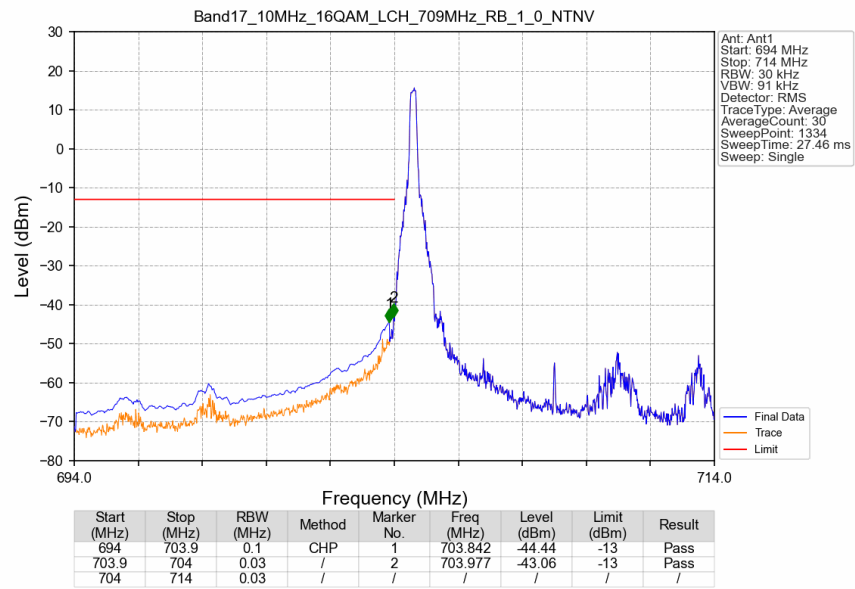
Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



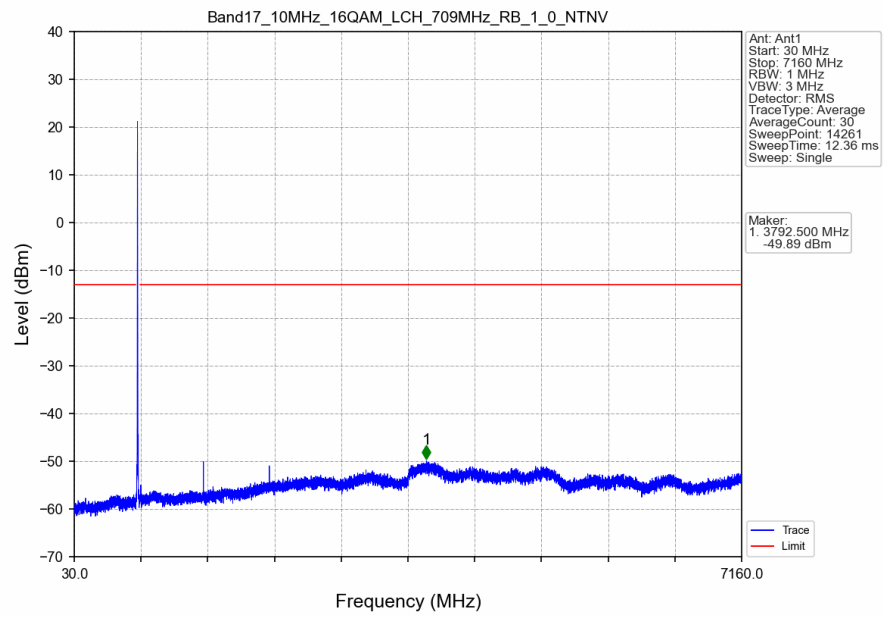
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



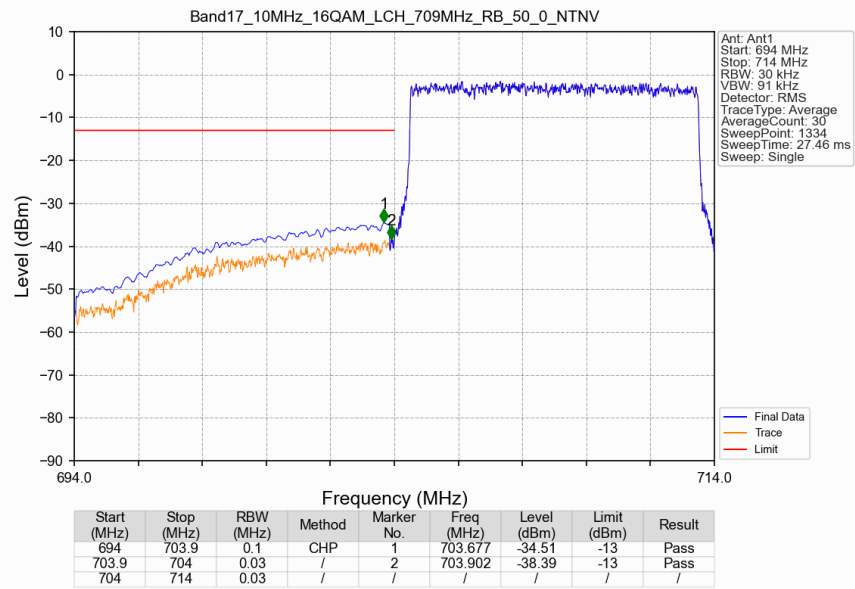
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



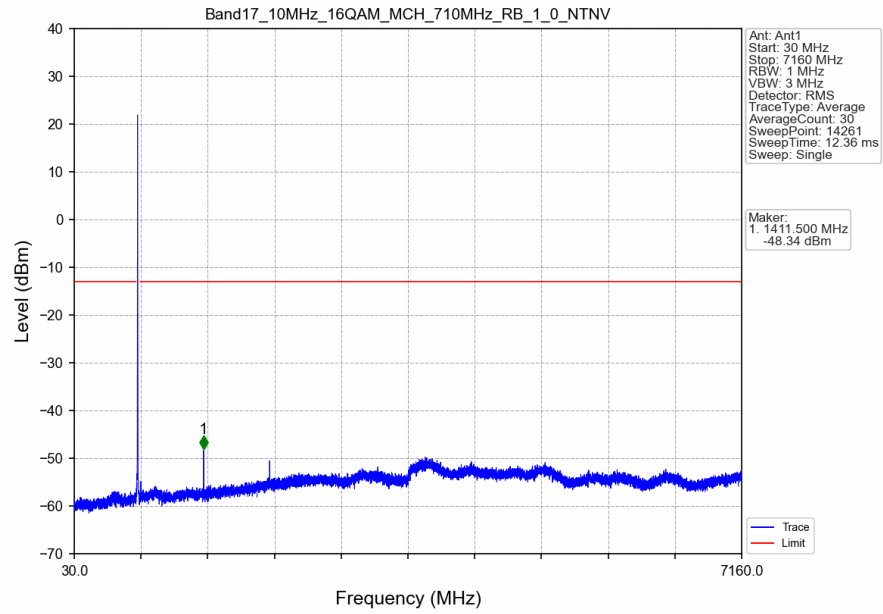
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



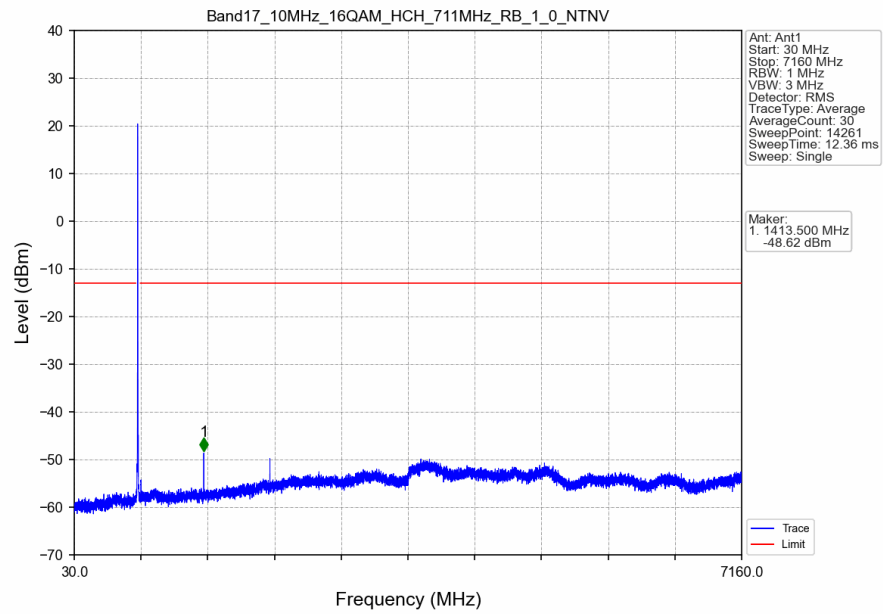
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



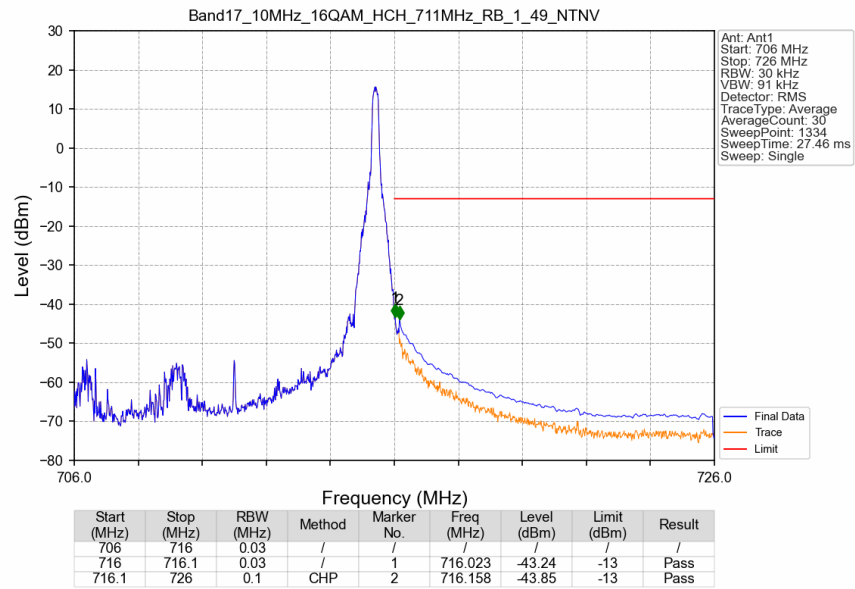
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



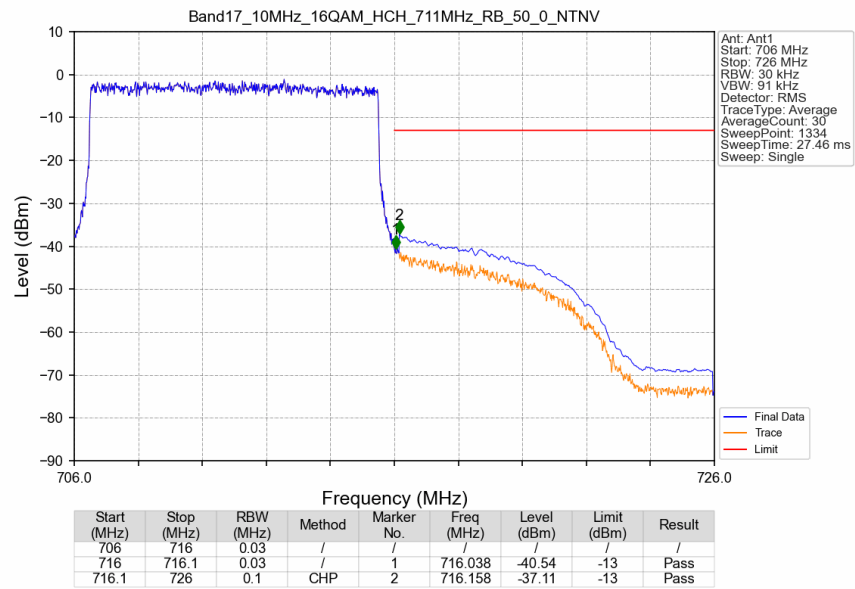
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



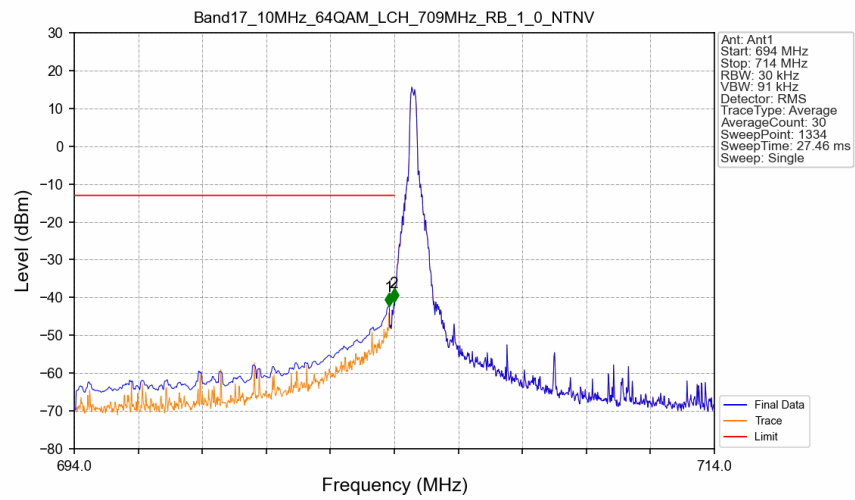
Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

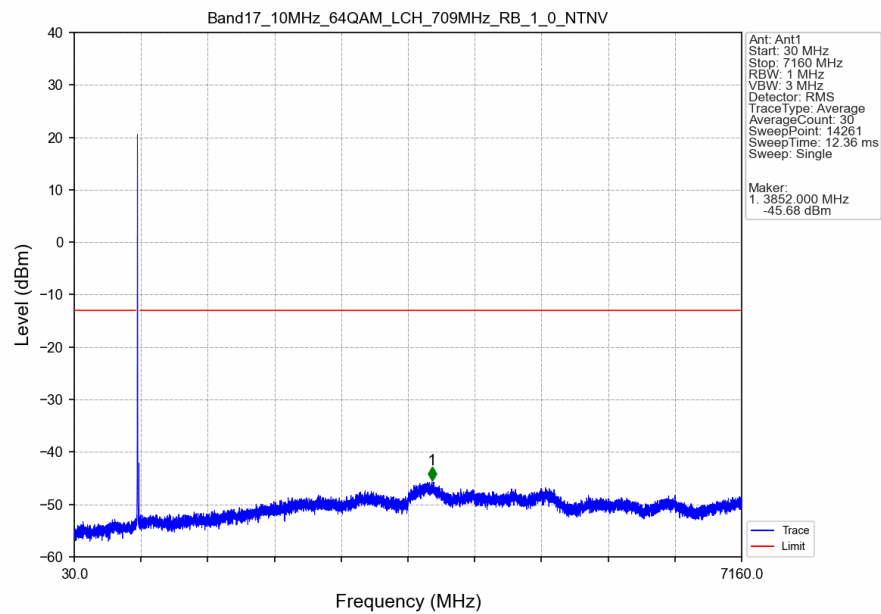


Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV

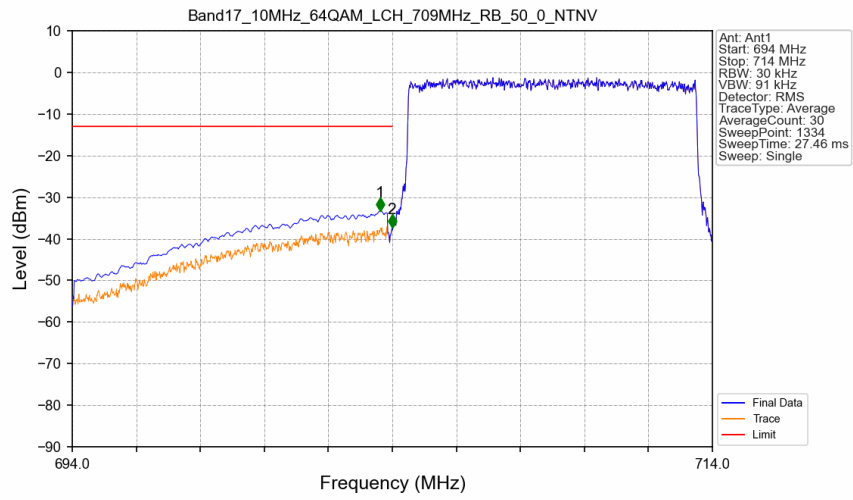


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.827	-42.17	-13	Pass
703.9	704	0.03	/	2	703.992	-41.11	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV

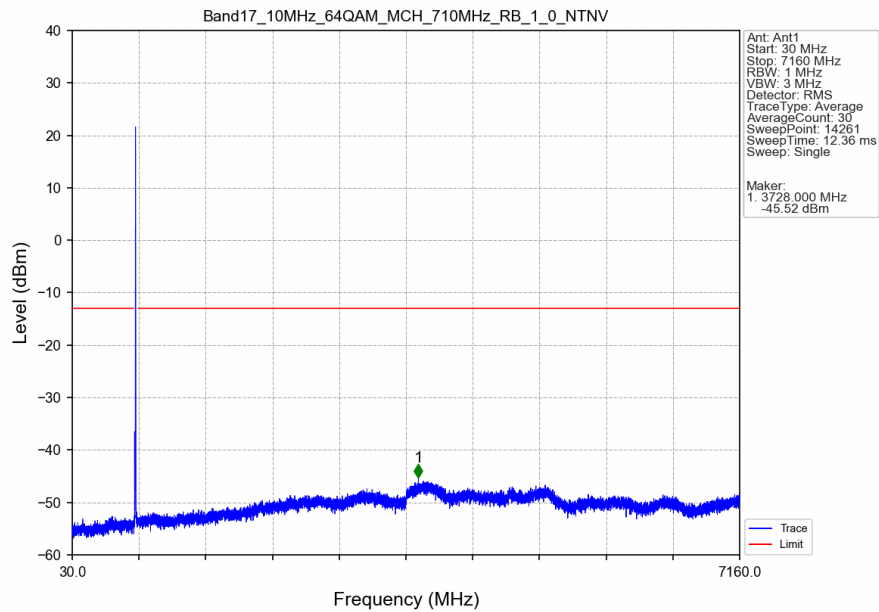


Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV

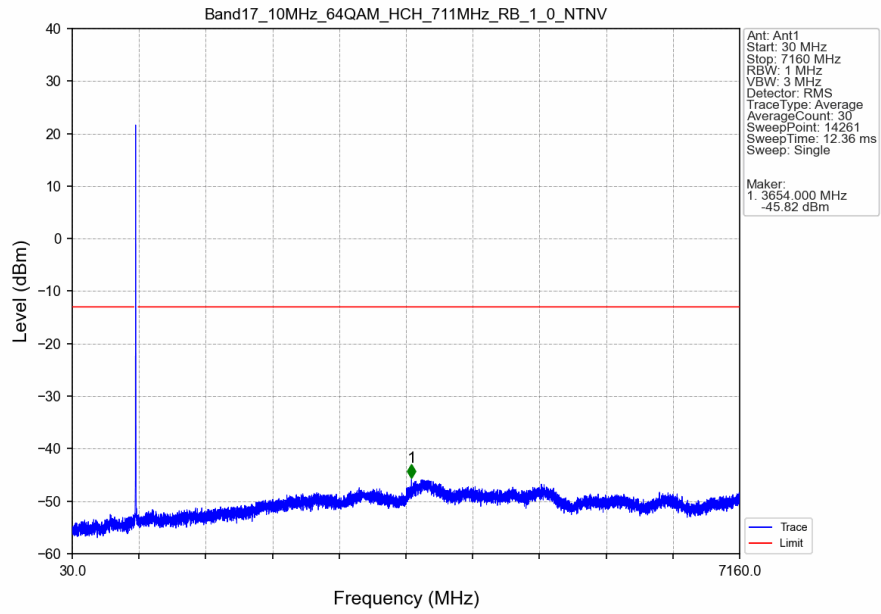


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.617	-33.22	-13	Pass
703.9	704	0.03	/	2	703.992	-37.25	-13	Pass
704	714	0.03	/	/	/	/	/	/

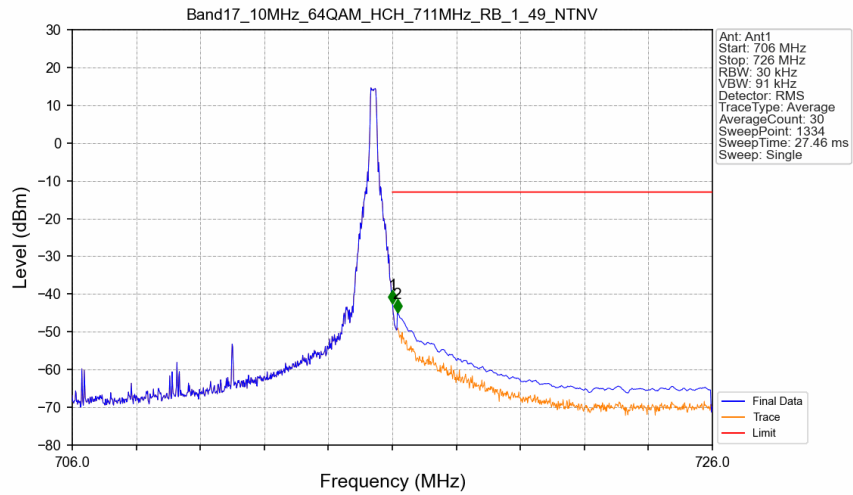
Band17_10MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV

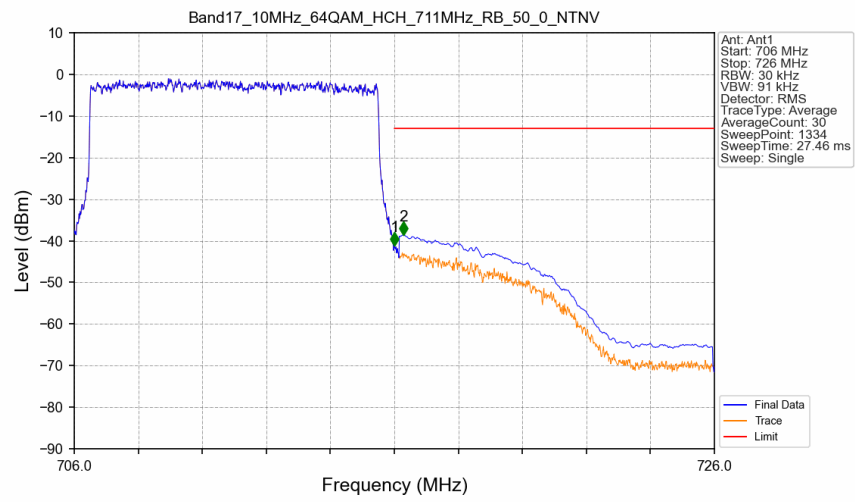


Band17_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV



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	-42.50	-13	Pass
716.1	726	0.1	CHP	2	716.158	-44.86	-13	Pass

Band17_10MHz_64QAM_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	-41.13	-13	Pass
716.1	726	0.1	CHP	2	716.278	-38.62	-13	Pass