1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	24.23	5.29	27.37	<=34.77	Pass
			13	23.98	5.29	27.12	<=34.77	Pass
			24	23.80	5.29	26.94	<=34.77	Pass
		12	0	22.95	5.29	26.09	<=34.77	Pass
			6	23.08	5.29	26.22	<=34.77	Pass
			13	23.01	5.29	26.15	<=34.77	Pass
		25	0	23.03	5.29	26.17	<=34.77	Pass
	710	1	0	24.08	5.29	27.22	<=34.77	Pass
			13	24.03	5.29	27.17	<=34.77	Pass
			24	24.01	5.29	27.15	<=34.77	Pass
		12	0	23.05	5.29	26.19	<=34.77	Pass
			6	23.02	5.29	26.16	<=34.77	Pass
			13	22.92	5.29	26.06	<=34.77	Pass
		25	0	22.99	5.29	26.13	<=34.77	Pass
	713.5	1	0	23.99	5.29	27.13	<=34.77	Pass
			13	24.12	5.29	27.26	<=34.77	Pass
			24	23.95	5.29	27.09	<=34.77	Pass
		12	0	23.07	5.29	26.21	<=34.77	Pass
			6	23.01	5.29	26.15	<=34.77	Pass
			13	22.87	5.29	26.01	<=34.77	Pass
		25	0	23.05	5.29	26.19	<=34.77	Pass
16QAM	706.5	1	0	23.30	5.29	26.44	<=34.77	Pass
			13	23.26	5.29	26.40	<=34.77	Pass
			24	23.14	5.29	26.28	<=34.77	Pass
		12	0	21.99	5.29	25.13	<=34.77	Pass
			6	22.05	5.29	25.19	<=34.77	Pass
			13	22.03	5.29	25.17	<=34.77	Pass
		25	0	22.10	5.29	25.24	<=34.77	Pass
	710	1	0	23.08	5.29	26.22	<=34.77	Pass
			13	23.52	5.29	26.66	<=34.77	Pass
			24	23.38	5.29	26.52	<=34.77	Pass
		12	0	22.00	5.29	25.14	<=34.77	Pass
			6	22.09	5.29	25.23	<=34.77	Pass
			13	21.99	5.29	25.13	<=34.77	Pass
		25	0	22.00	5.29	25.14	<=34.77	Pass
	713.5	1	0	23.16	5.29	26.30	<=34.77	Pass
			13	23.16	5.29	26.30	<=34.77	Pass
			24	23.23	5.29	26.37	<=34.77	Pass
		12	0	22.20	5.29	25.34	<=34.77	Pass
			6	22.07	5.29	25.21	<=34.77	Pass
			13	22.01	5.29	25.15	<=34.77	Pass
		25	0	21.99	5.29	25.13	<=34.77	Pass
64QAM	706.5	1	0	23.03	5.29	26.17	<=34.77	Pass
			13	23.21	5.29	26.35	<=34.77	Pass
			24	23.17	5.29	26.31	<=34.77	Pass
		12	0	21.98	5.29	25.12	<=34.77	Pass

			6	22.05	5.29	25.19	<=34.77	Pass
			13	21.99	5.29	25.13	<=34.77	Pass
		25	0	21.99	5.29	25.13	<=34.77	Pass
	710	1	0	23.00	5.29	26.14	<=34.77	Pass
			13	23.32	5.29	26.46	<=34.77	Pass
			24	22.98	5.29	26.12	<=34.77	Pass
		12	0	22.01	5.29	25.15	<=34.77	Pass
			6	22.10	5.29	25.24	<=34.77	Pass
			13	22.05	5.29	25.19	<=34.77	Pass
		25	0	22.07	5.29	25.21	<=34.77	Pass
	713.5	1	0	23.23	5.29	26.37	<=34.77	Pass
			13	23.13	5.29	26.27	<=34.77	Pass
			24	23.06	5.29	26.20	<=34.77	Pass
		12	0	22.10	5.29	25.24	<=34.77	Pass
			6	22.04	5.29	25.18	<=34.77	Pass
			13	22.01	5.29	25.15	<=34.77	Pass
		25	0	22.08	5.29	25.22	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B17_10MHz_ERP

1.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	23.94	5.29	27.08	<=34.77	Pass
			25	23.99	5.29	27.13	<=34.77	Pass
			49	24.02	5.29	27.16	<=34.77	Pass
		25	0	23.10	5.29	26.24	<=34.77	Pass
			13	23.09	5.29	26.23	<=34.77	Pass
			25	23.10	5.29	26.24	<=34.77	Pass
		50	0	23.05	5.29	26.19	<=34.77	Pass
	710	1	0	24.19	5.29	27.33	<=34.77	Pass
			25	23.98	5.29	27.12	<=34.77	Pass
			49	23.98	5.29	27.12	<=34.77	Pass
		25	0	23.20	5.29	26.34	<=34.77	Pass
			13	23.10	5.29	26.24	<=34.77	Pass
			25	22.94	5.29	26.08	<=34.77	Pass
		50	0	23.04	5.29	26.18	<=34.77	Pass
	711	1	0	24.09	5.29	27.23	<=34.77	Pass
			25	24.02	5.29	27.16	<=34.77	Pass
			49	24.03	5.29	27.17	<=34.77	Pass
		25	0	23.04	5.29	26.18	<=34.77	Pass
			13	23.13	5.29	26.27	<=34.77	Pass
			25	23.13	5.29	26.27	<=34.77	Pass
		50	0	22.94	5.29	26.08	<=34.77	Pass
16QAM	709	1	0	23.28	5.29	26.42	<=34.77	Pass
			25	23.37	5.29	26.51	<=34.77	Pass
			49	23.54	5.29	26.68	<=34.77	Pass
		25	0	22.06	5.29	25.20	<=34.77	Pass
			13	22.15	5.29	25.29	<=34.77	Pass
			25	21.96	5.29	25.10	<=34.77	Pass
		50	0	22.06	5.29	25.20	<=34.77	Pass

	710	1	0	23.24	5.29	26.38	<=34.77	Pass
			25	23.36	5.29	26.50	<=34.77	Pass
			49	23.38	5.29	26.52	<=34.77	Pass
		25	0	22.06	5.29	25.20	<=34.77	Pass
			13	22.11	5.29	25.25	<=34.77	Pass
			25	22.12	5.29	25.26	<=34.77	Pass
		50	0	22.11	5.29	25.25	<=34.77	Pass
	711	1	0	23.17	5.29	26.31	<=34.77	Pass
			25	23.33	5.29	26.47	<=34.77	Pass
			49	23.16	5.29	26.30	<=34.77	Pass
		25	0	22.07	5.29	25.21	<=34.77	Pass
			13	22.18	5.29	25.32	<=34.77	Pass
			25	22.12	5.29	25.26	<=34.77	Pass
		50	0	22.01	5.29	25.15	<=34.77	Pass
64QAM	709	1	0	23.20	5.29	26.34	<=34.77	Pass
			25	23.08	5.29	26.22	<=34.77	Pass
			49	23.03	5.29	26.17	<=34.77	Pass
		25	0	22.14	5.29	25.28	<=34.77	Pass
			13	22.06	5.29	25.20	<=34.77	Pass
			25	22.11	5.29	25.25	<=34.77	Pass
		50	0	22.01	5.29	25.15	<=34.77	Pass
	710	1	0	23.15	5.29	26.29	<=34.77	Pass
			25	23.29	5.29	26.43	<=34.77	Pass
			49	22.96	5.29	26.10	<=34.77	Pass
		25	0	22.06	5.29	25.20	<=34.77	Pass
			13	22.06	5.29	25.20	<=34.77	Pass
			25	22.13	5.29	25.27	<=34.77	Pass
		50	0	22.13	5.29	25.27	<=34.77	Pass
	711	1	0	23.26	5.29	26.40	<=34.77	Pass
			25	23.32	5.29	26.46	<=34.77	Pass
			49	22.89	5.29	26.03	<=34.77	Pass
		25	0	22.11	5.29	25.25	<=34.77	Pass
			13	22.19	5.29	25.33	<=34.77	Pass
			25	22.13	5.29	25.27	<=34.77	Pass
		50	0	22.03	5.29	25.17	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	5.000	0.0071	-2.5 to 2.5	Pass
					3.85	2.800	0.0040	-2.5 to 2.5	Pass
					4.43	3.400	0.0048	-2.5 to 2.5	Pass
				-30	3.85	3.000	0.0042	-2.5 to 2.5	Pass
				-20	3.85	2.300	0.0033	-2.5 to 2.5	Pass
				-10	3.85	3.000	0.0042	-2.5 to 2.5	Pass
				0	3.85	3.900	0.0055	-2.5 to 2.5	Pass
				10	3.85	3.400	0.0048	-2.5 to 2.5	Pass

				30	3.85	3.100	0.0044	-2.5 to 2.5	Pass
				40	3.85	2.400	0.0034	-2.5 to 2.5	Pass
				50	3.85	4.200	0.0059	-2.5 to 2.5	Pass
	710	25	0	20	3.27	0.700	0.0010	-2.5 to 2.5	Pass
					3.85	1.400	0.0020	-2.5 to 2.5	Pass
					4.43	0.700	0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.300	0.0032	-2.5 to 2.5	Pass
				-20	3.85	2.500	0.0035	-2.5 to 2.5	Pass
				-10	3.85	1.700	0.0024	-2.5 to 2.5	Pass
				0	3.85	1.700	0.0024	-2.5 to 2.5	Pass
				10	3.85	2.100	0.0030	-2.5 to 2.5	Pass
				30	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.500	0.0035	-2.5 to 2.5	Pass
				50	3.85	2.800	0.0039	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.800	0.0025	-2.5 to 2.5	Pass
					3.85	0.600	0.0008	-2.5 to 2.5	Pass
					4.43	2.700	0.0038	-2.5 to 2.5	Pass
				-30	3.85	3.600	0.0050	-2.5 to 2.5	Pass
				-20	3.85	3.900	0.0055	-2.5 to 2.5	Pass
				-10	3.85	2.000	0.0028	-2.5 to 2.5	Pass
				0	3.85	0.900	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.200	0.0031	-2.5 to 2.5	Pass
				40	3.85	1.900	0.0027	-2.5 to 2.5	Pass
				50	3.85	1.500	0.0021	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	2.100	0.0030	-2.5 to 2.5	Pass
					3.85	2.700	0.0038	-2.5 to 2.5	Pass
					4.43	3.000	0.0042	-2.5 to 2.5	Pass
				-30	3.85	1.200	0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.500	0.0050	-2.5 to 2.5	Pass
				-10	3.85	2.100	0.0030	-2.5 to 2.5	Pass
				0	3.85	3.200	0.0045	-2.5 to 2.5	Pass
				10	3.85	2.600	0.0037	-2.5 to 2.5	Pass
				30	3.85	2.800	0.0040	-2.5 to 2.5	Pass
				40	3.85	2.600	0.0037	-2.5 to 2.5	Pass
				50	3.85	3.300	0.0047	-2.5 to 2.5	Pass
	710	25	0	20	3.27	1.100	0.0015	-2.5 to 2.5	Pass
					3.85	-0.700	-0.0010	-2.5 to 2.5	Pass
					4.43	1.000	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.100	0.0015	-2.5 to 2.5	Pass
				-20	3.85	2.200	0.0031	-2.5 to 2.5	Pass
				-10	3.85	1.800	0.0025	-2.5 to 2.5	Pass
				0	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				10	3.85	2.300	0.0032	-2.5 to 2.5	Pass
				30	3.85	0.900	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.600	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.600	0.0008	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	2.800	0.0039	-2.5 to 2.5	Pass
					3.85	1.800	0.0025	-2.5 to 2.5	Pass
					4.43	4.200	0.0059	-2.5 to 2.5	Pass
				-30	3.85	2.900	0.0041	-2.5 to 2.5	Pass
				-20	3.85	0.700	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.000	0.0028	-2.5 to 2.5	Pass
				0	3.85	2.800	0.0039	-2.5 to 2.5	Pass
				10	3.85	1.600	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.600	0.0036	-2.5 to 2.5	Pass

				40	3.85	2.600	0.0036	-2.5 to 2.5	Pass
				50	3.85	1.200	0.0017	-2.5 to 2.5	Pass
64QAM	706.5	25	0	20	3.27	-20.500	-0.0290	-2.5 to 2.5	Pass
					3.85	29.200	0.0413	-2.5 to 2.5	Pass
					4.43	36.400	0.0515	-2.5 to 2.5	Pass
				-30	3.85	22.400	0.0317	-2.5 to 2.5	Pass
				-20	3.85	7.300	0.0103	-2.5 to 2.5	Pass
				-10	3.85	27.200	0.0385	-2.5 to 2.5	Pass
				0	3.85	30.100	0.0426	-2.5 to 2.5	Pass
				10	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				30	3.85	14.700	0.0208	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-20.500	-0.0290	-2.5 to 2.5	Pass
	710	25	0	20	3.27	11.300	0.0159	-2.5 to 2.5	Pass
					3.85	21.700	0.0306	-2.5 to 2.5	Pass
					4.43	24.700	0.0348	-2.5 to 2.5	Pass
				-30	3.85	3.400	0.0048	-2.5 to 2.5	Pass
				-20	3.85	-11.400	-0.0161	-2.5 to 2.5	Pass
				-10	3.85	-26.000	-0.0366	-2.5 to 2.5	Pass
				0	3.85	-46.000	-0.0648	-2.5 to 2.5	Pass
				10	3.85	-29.000	-0.0408	-2.5 to 2.5	Pass
				30	3.85	-48.800	-0.0687	-2.5 to 2.5	Pass
				40	3.85	14.700	0.0207	-2.5 to 2.5	Pass
				50	3.85	54.700	0.0770	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-15.600	-0.0219	-2.5 to 2.5	Pass
					3.85	41.200	0.0577	-2.5 to 2.5	Pass
					4.43	2.500	0.0035	-2.5 to 2.5	Pass
				-30	3.85	-15.500	-0.0217	-2.5 to 2.5	Pass
				-20	3.85	-29.400	-0.0412	-2.5 to 2.5	Pass
				-10	3.85	59.700	0.0837	-2.5 to 2.5	Pass
				0	3.85	-13.800	-0.0193	-2.5 to 2.5	Pass
				10	3.85	15.900	0.0223	-2.5 to 2.5	Pass
				30	3.85	-9.900	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-5.800	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-7.900	-0.0111	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	2.800	0.0039	-2.5 to 2.5	Pass
					3.85	1.600	0.0023	-2.5 to 2.5	Pass
					4.43	-0.500	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.700	0.0038	-2.5 to 2.5	Pass
				-20	3.85	1.500	0.0021	-2.5 to 2.5	Pass
				-10	3.85	3.900	0.0055	-2.5 to 2.5	Pass
				0	3.85	3.100	0.0044	-2.5 to 2.5	Pass
				10	3.85	1.500	0.0021	-2.5 to 2.5	Pass
				30	3.85	2.100	0.0030	-2.5 to 2.5	Pass
				40	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				50	3.85	1.400	0.0020	-2.5 to 2.5	Pass

	710	50	0	20	3.27	0.200	0.0003	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.100	0.0015	-2.5 to 2.5	Pass
				-20	3.85	2.100	0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.600	0.0023	-2.5 to 2.5	Pass
				0	3.85	1.100	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.800	0.0025	-2.5 to 2.5	Pass
				30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	3.85	1.000	0.0014	-2.5 to 2.5	Pass
				50	3.85	1.500	0.0021	-2.5 to 2.5	Pass
	711	50	0	20	3.27	1.100	0.0015	-2.5 to 2.5	Pass
					3.85	1.200	0.0017	-2.5 to 2.5	Pass
					4.43	-0.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.900	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.900	0.0013	-2.5 to 2.5	Pass
				-10	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				0	3.85	0.500	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.100	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.900	0.0027	-2.5 to 2.5	Pass
				40	3.85	0.400	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.400	0.0020	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	2.400	0.0034	-2.5 to 2.5	Pass
					3.85	1.700	0.0024	-2.5 to 2.5	Pass
					4.43	2.300	0.0032	-2.5 to 2.5	Pass
				-30	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				-20	3.85	2.100	0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.000	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.800	0.0039	-2.5 to 2.5	Pass
				10	3.85	1.500	0.0021	-2.5 to 2.5	Pass
				30	3.85	2.600	0.0037	-2.5 to 2.5	Pass
				40	3.85	1.300	0.0018	-2.5 to 2.5	Pass
				50	3.85	2.800	0.0039	-2.5 to 2.5	Pass
	710	50	0	20	3.27	1.200	0.0017	-2.5 to 2.5	Pass
					3.85	1.200	0.0017	-2.5 to 2.5	Pass
					4.43	-0.400	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				-10	3.85	0.500	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.100	0.0030	-2.5 to 2.5	Pass
				10	3.85	-0.600	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.400	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.000	0.0014	-2.5 to 2.5	Pass
				50	3.85	0.700	0.0010	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.500	0.0007	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
					4.43	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.300	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.000	0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.500	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.400	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.200	0.0031	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.700	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.600	0.0008	-2.5 to 2.5	Pass
64QAM	709	50	0	20	3.27	3.500	0.0049	-2.5 to 2.5	Pass

					3.85	25.700	0.0362	-2.5 to 2.5	Pass
					4.43	-30.500	-0.0430	-2.5 to 2.5	Pass
				-30	3.85	6.600	0.0093	-2.5 to 2.5	Pass
				-20	3.85	5.800	0.0082	-2.5 to 2.5	Pass
				-10	3.85	-11.000	-0.0155	-2.5 to 2.5	Pass
				0	3.85	19.200	0.0271	-2.5 to 2.5	Pass
				10	3.85	-16.600	-0.0234	-2.5 to 2.5	Pass
				30	3.85	-11.900	-0.0168	-2.5 to 2.5	Pass
				40	3.85	-27.100	-0.0382	-2.5 to 2.5	Pass
				50	3.85	-2.500	-0.0035	-2.5 to 2.5	Pass
	710	50	0	20	3.27	5.800	0.0082	-2.5 to 2.5	Pass
					3.85	-19.500	-0.0275	-2.5 to 2.5	Pass
					4.43	31.400	0.0442	-2.5 to 2.5	Pass
				-30	3.85	-10.800	-0.0152	-2.5 to 2.5	Pass
				-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-29.500	-0.0415	-2.5 to 2.5	Pass
				0	3.85	5.200	0.0073	-2.5 to 2.5	Pass
				10	3.85	-2.100	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-22.000	-0.0310	-2.5 to 2.5	Pass
				40	3.85	14.000	0.0197	-2.5 to 2.5	Pass
				50	3.85	34.400	0.0485	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-3.200	-0.0045	-2.5 to 2.5	Pass
					3.85	-8.900	-0.0125	-2.5 to 2.5	Pass
					4.43	7.900	0.0111	-2.5 to 2.5	Pass
				-30	3.85	-7.300	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	35.400	0.0498	-2.5 to 2.5	Pass
				-10	3.85	-13.000	-0.0183	-2.5 to 2.5	Pass
				0	3.85	-2.800	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-2.300	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-26.300	-0.0370	-2.5 to 2.5	Pass
				40	3.85	4.300	0.0060	-2.5 to 2.5	Pass
				50	3.85	-9.500	-0.0134	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band17_OBW

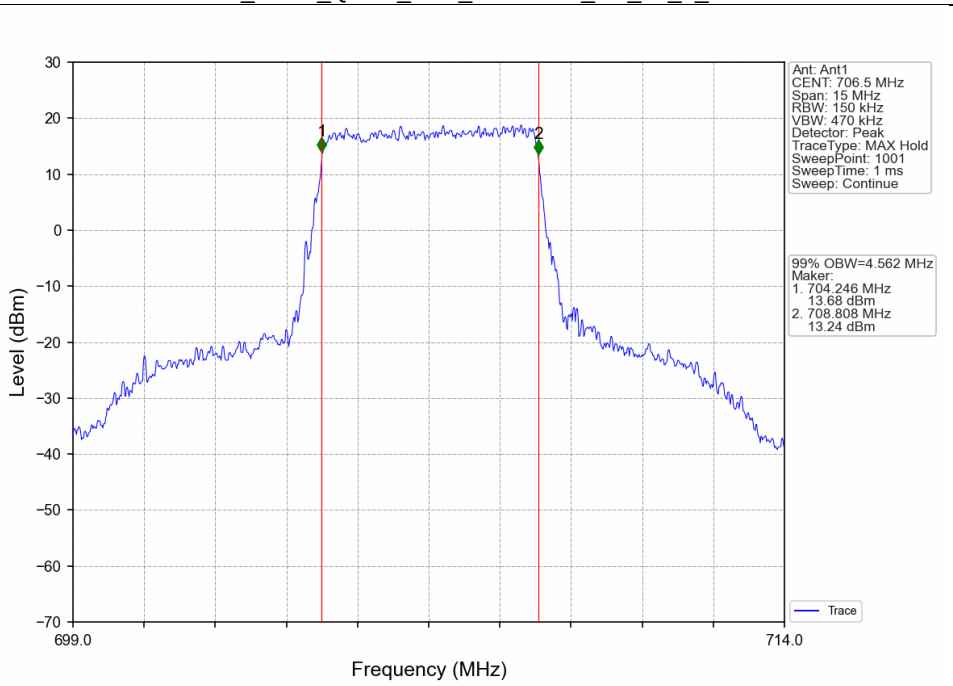
3.1.1 Test Result

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.562	/	Pass
		710	25	0	4.532	/	Pass
		713.5	25	0	4.571	/	Pass
	16QAM	706.5	25	0	4.580	/	Pass
		710	25	0	4.544	/	Pass
		713.5	25	0	4.561	/	Pass
	64QAM	706.5	25	0	4.568	/	Pass
		710	25	0	4.528	/	Pass
		713.5	25	0	4.576	/	Pass
10	QPSK	709	50	0	9.021	/	Pass
		710	50	0	9.013	/	Pass
		711	50	0	9.024	/	Pass

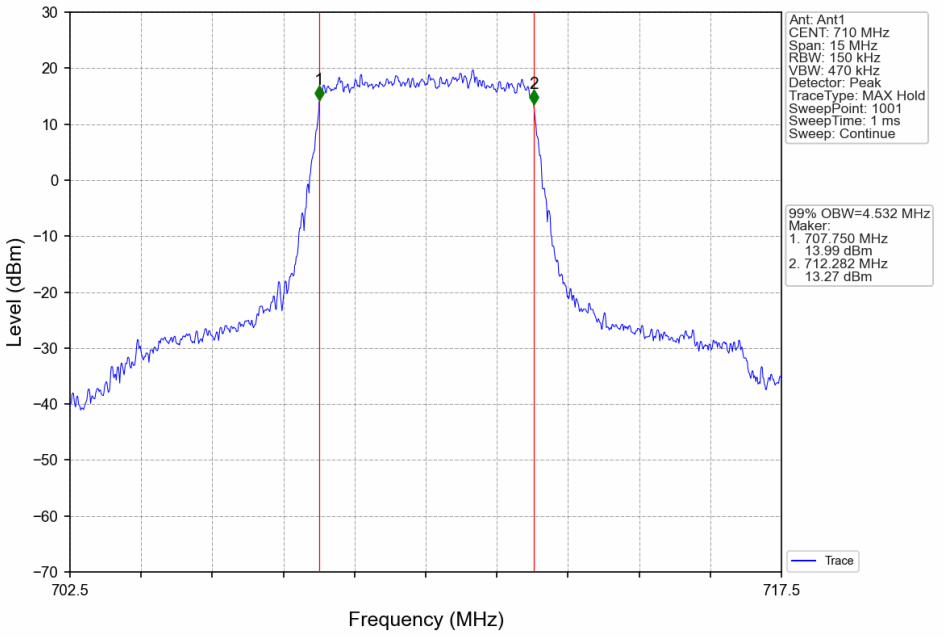
	16QAM	709	50	0	9.005	/	Pass
		710	50	0	9.009	/	Pass
		711	50	0	9.025	/	Pass
	64QAM	709	50	0	9.020	/	Pass
		710	50	0	9.006	/	Pass
		711	50	0	9.026	/	Pass

3.1.2 Test Graph

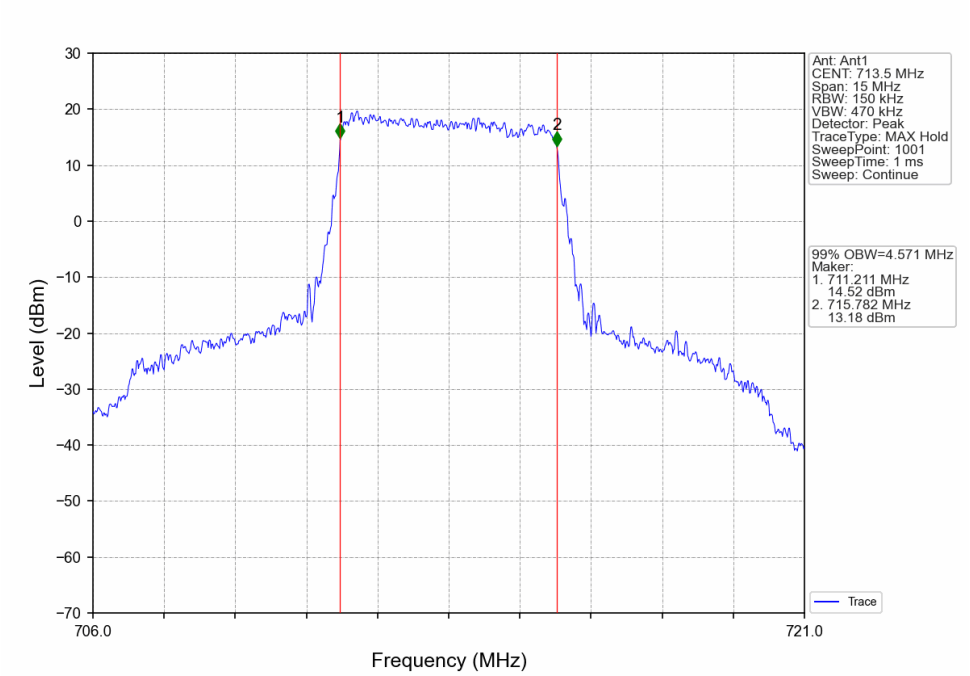
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



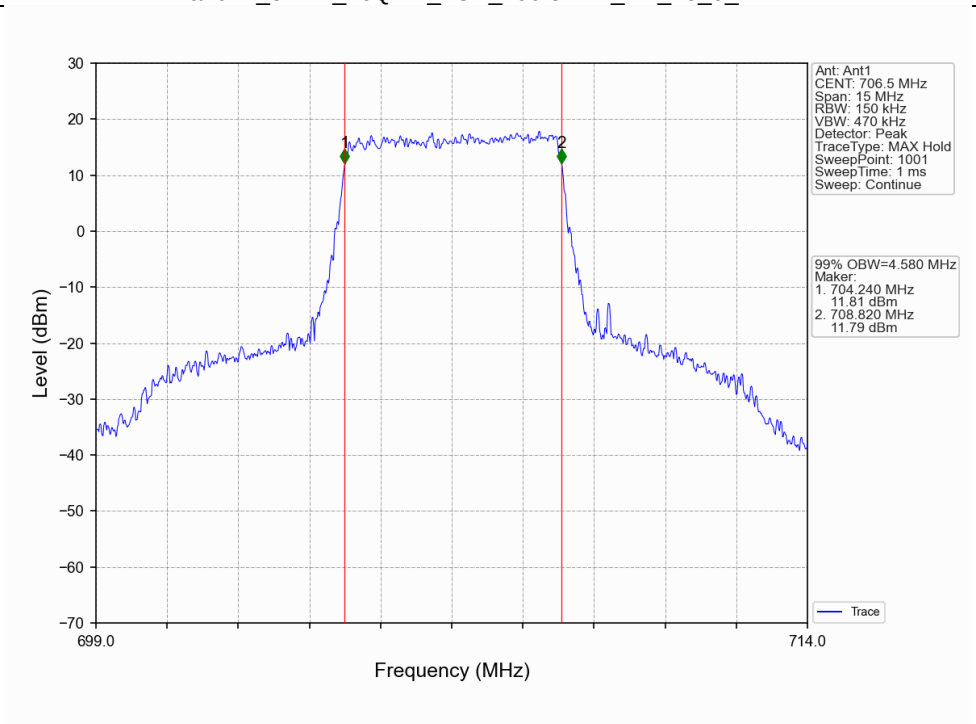
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



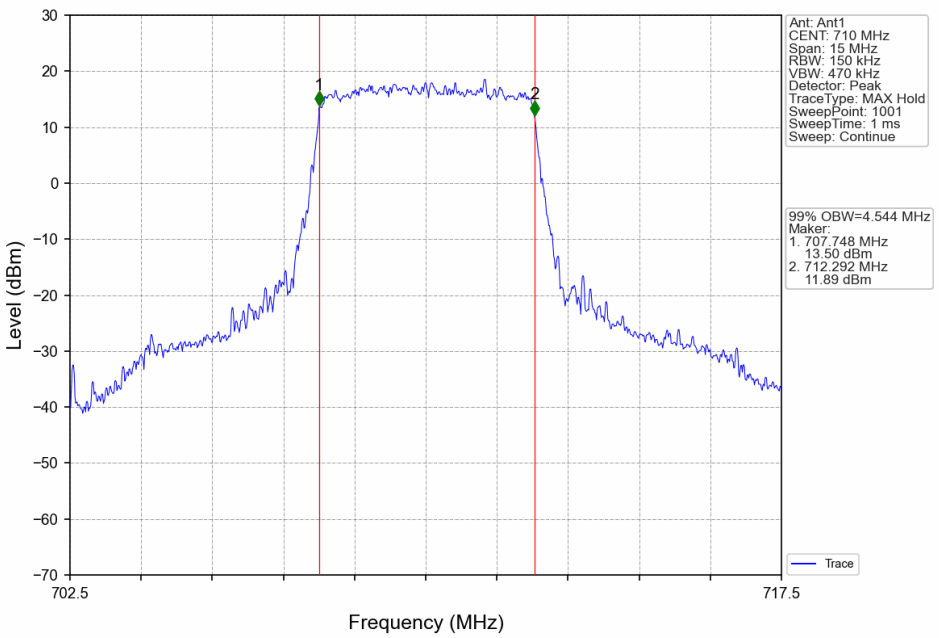
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



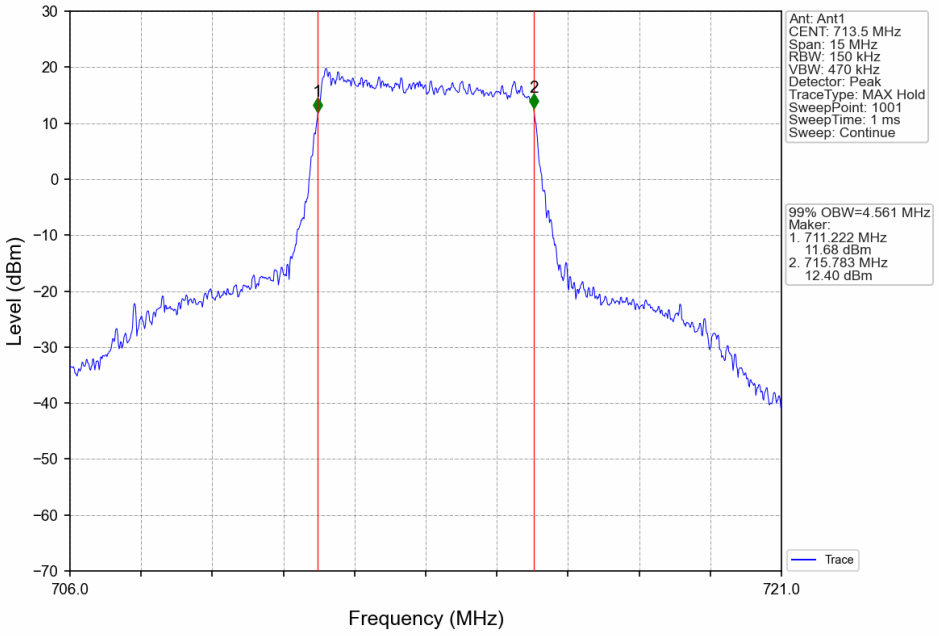
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



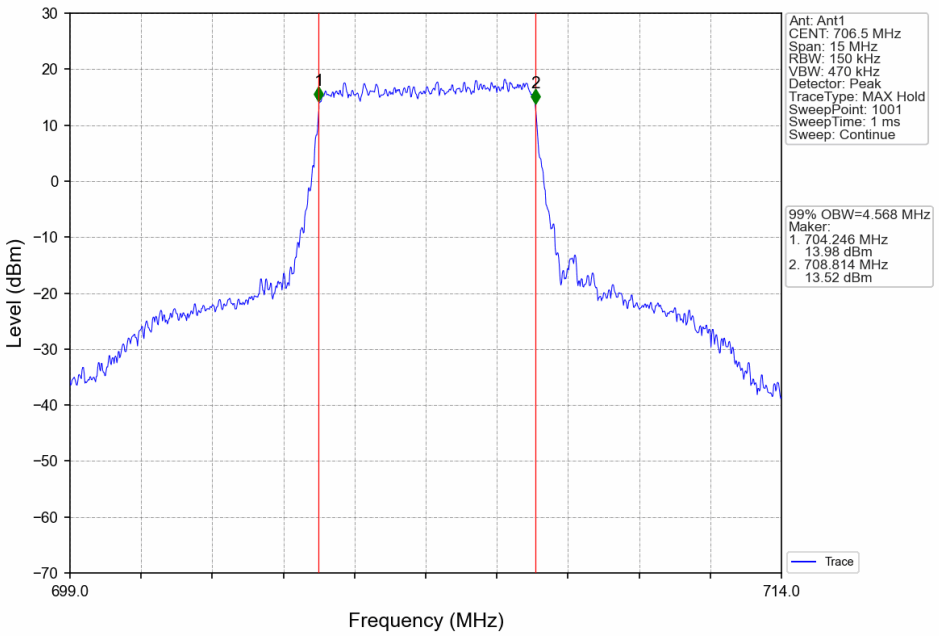
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



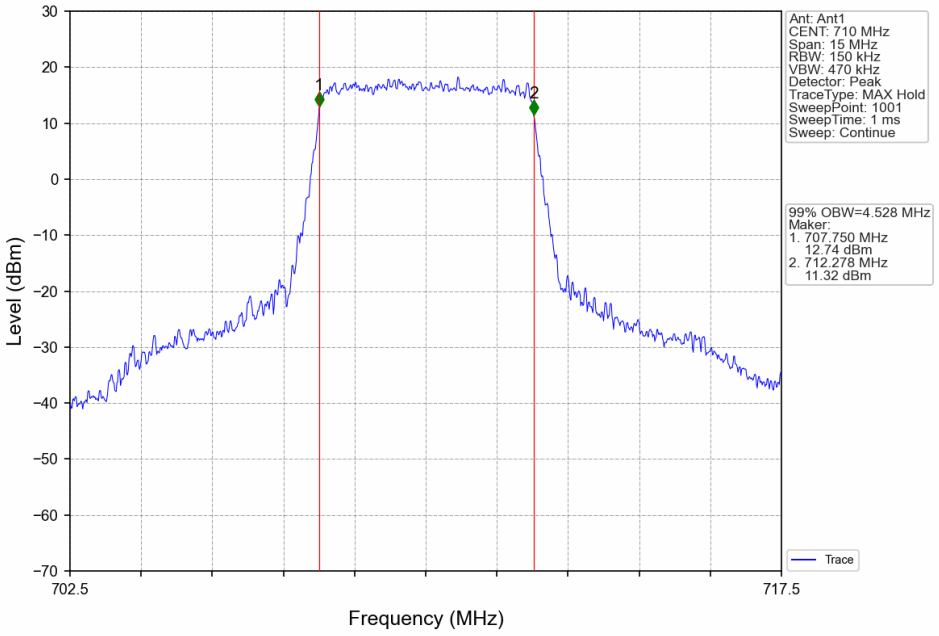
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



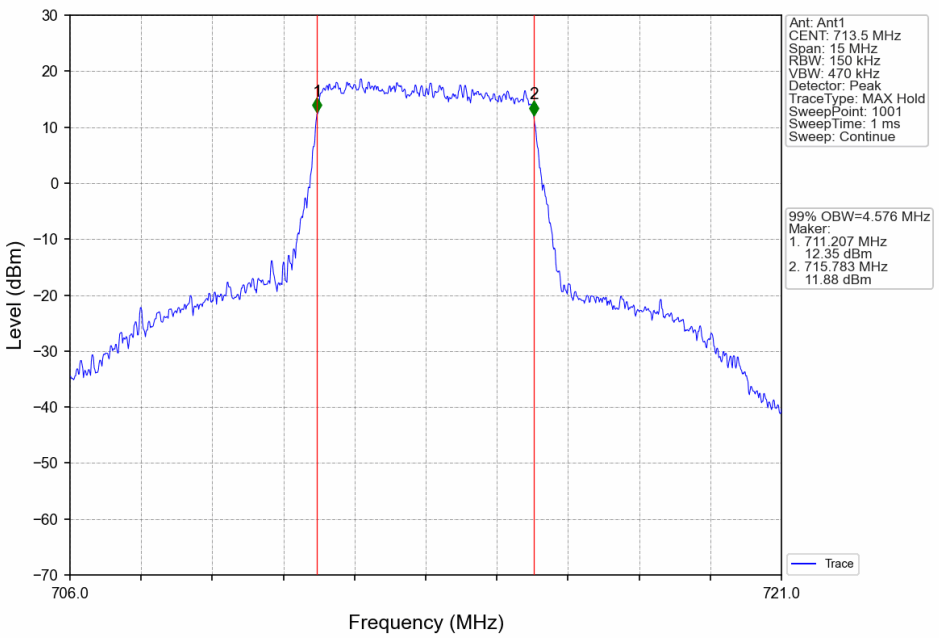
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



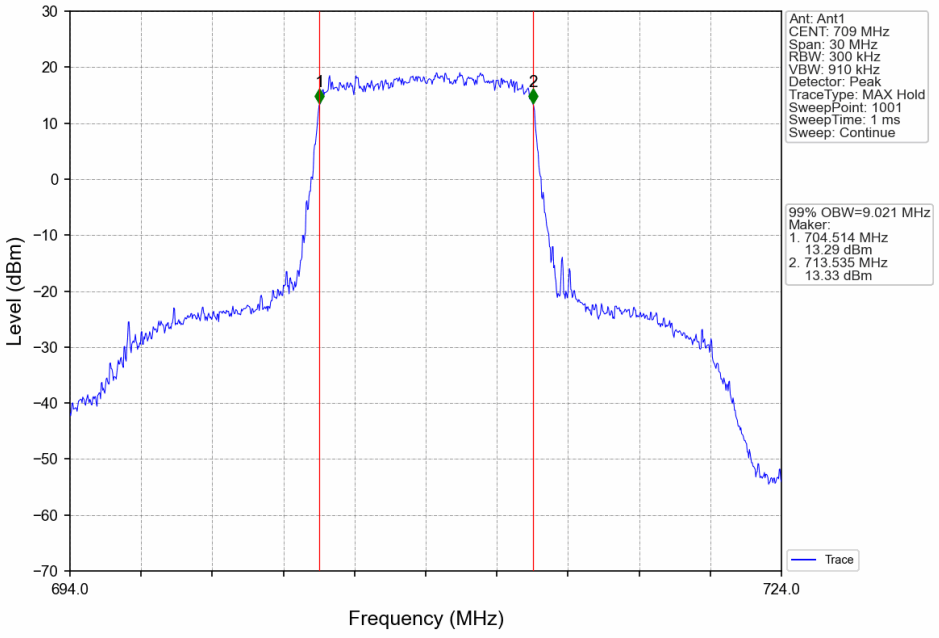
Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



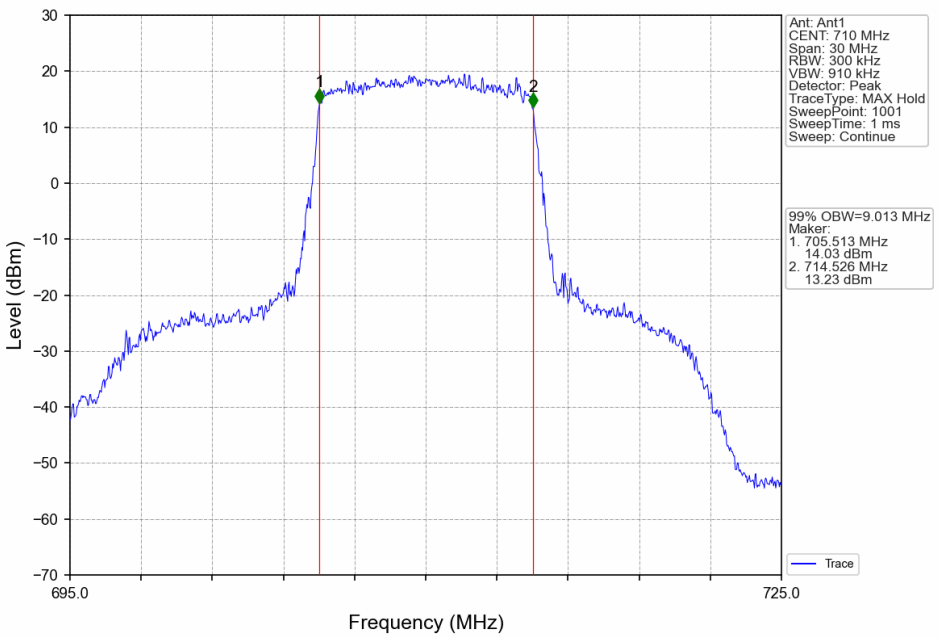
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



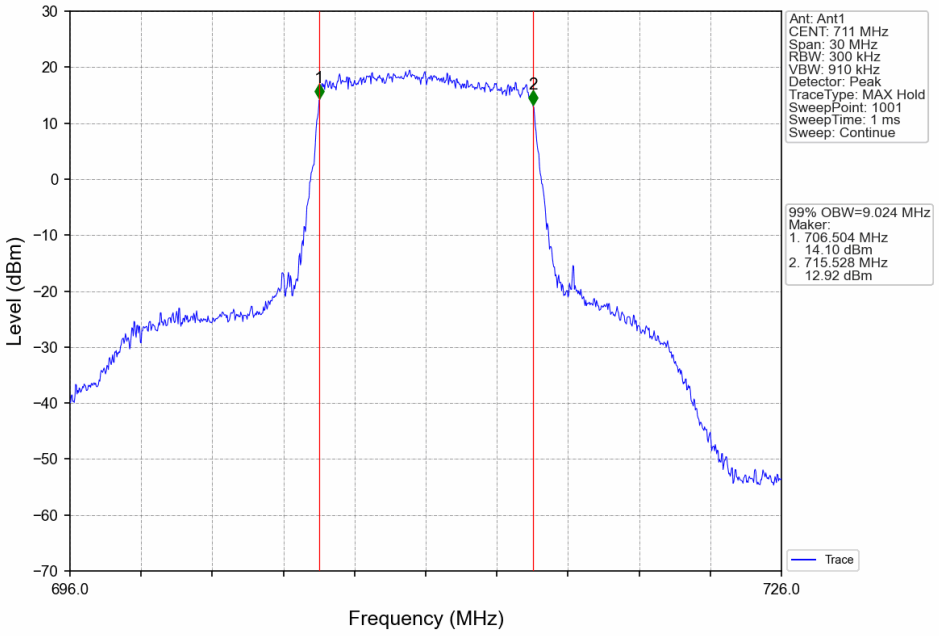
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



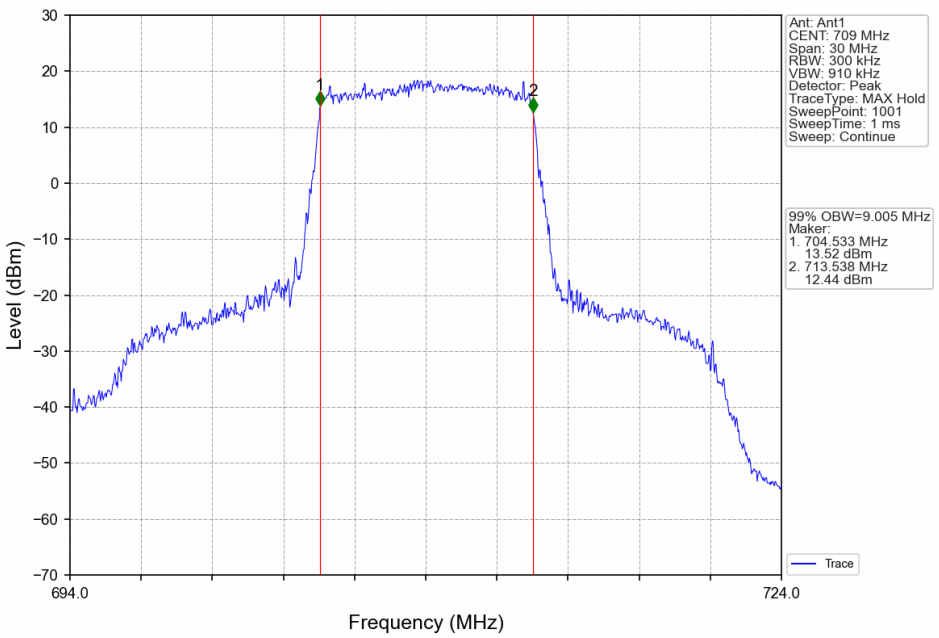
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



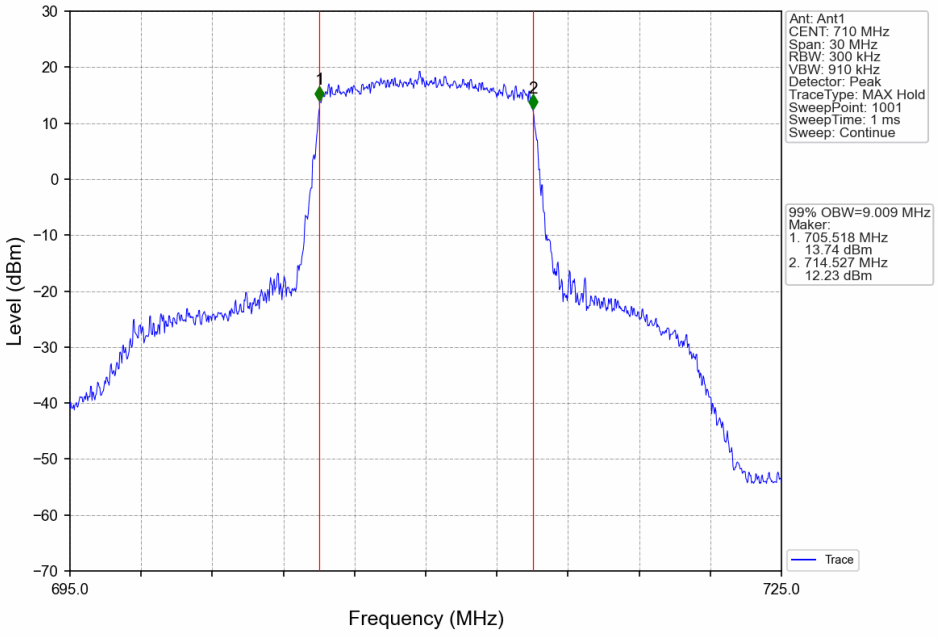
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



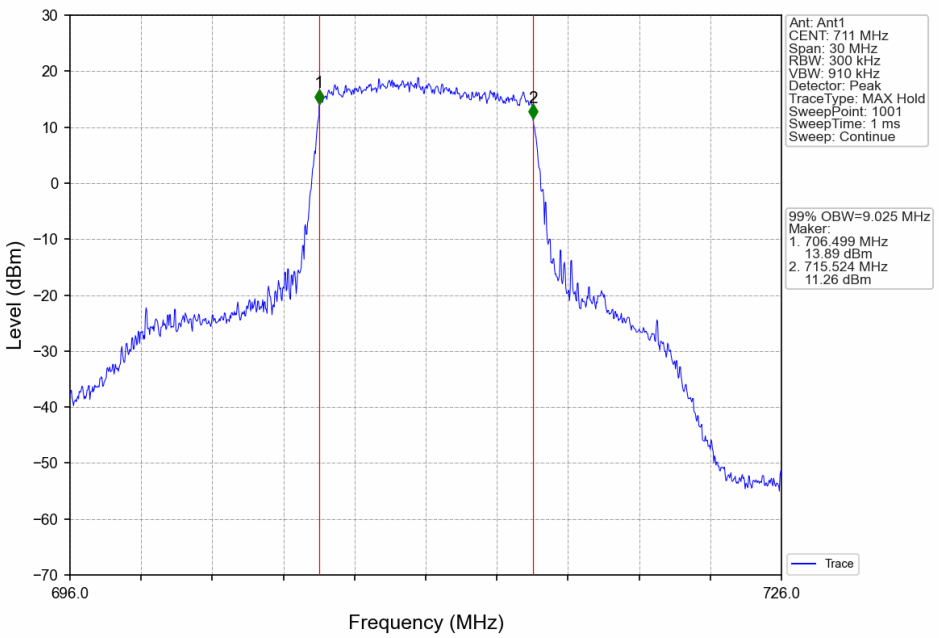
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



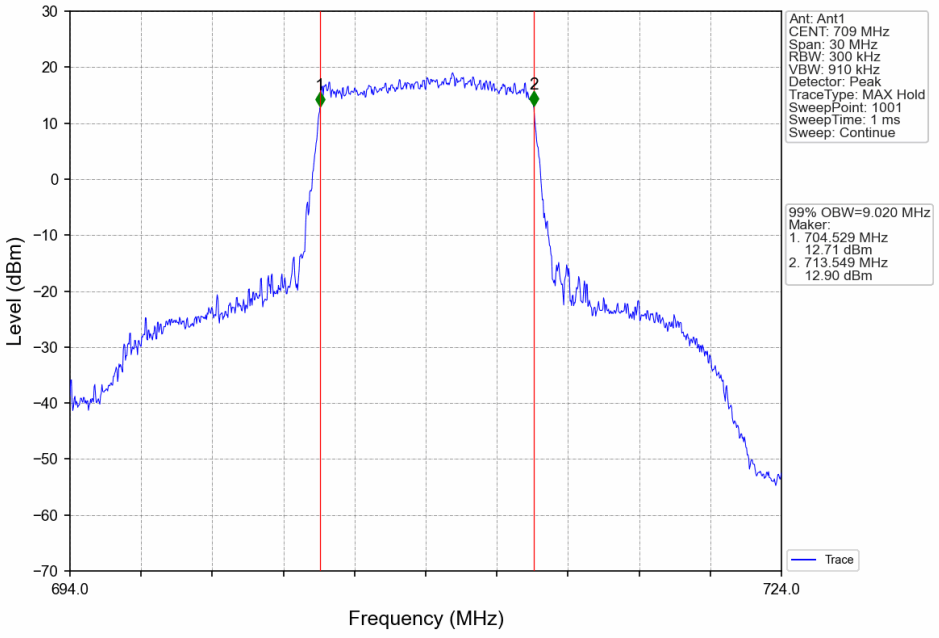
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



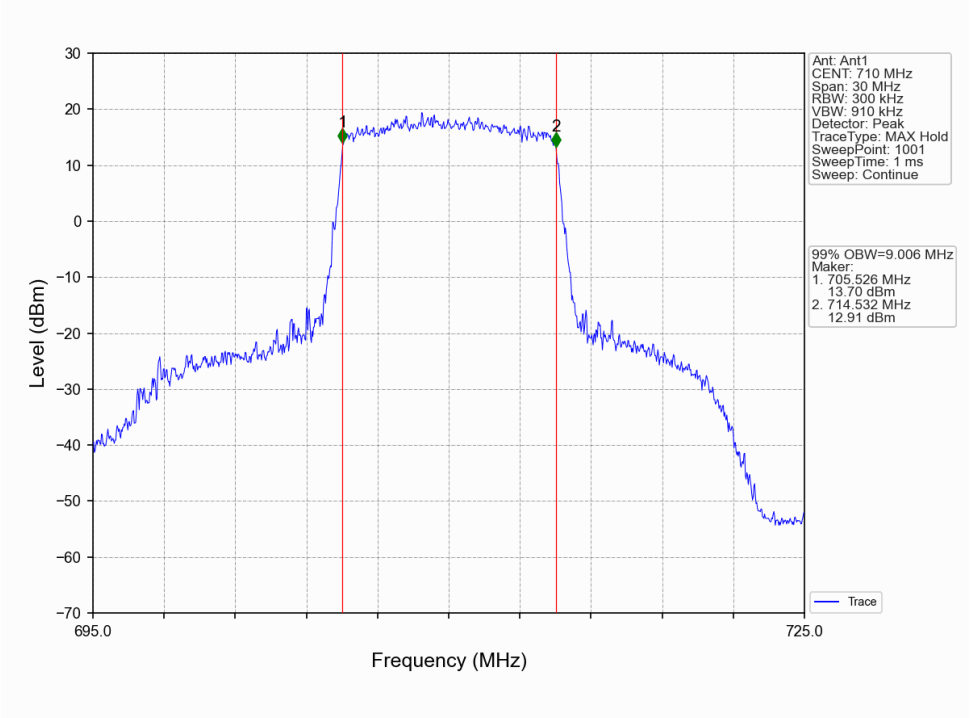
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



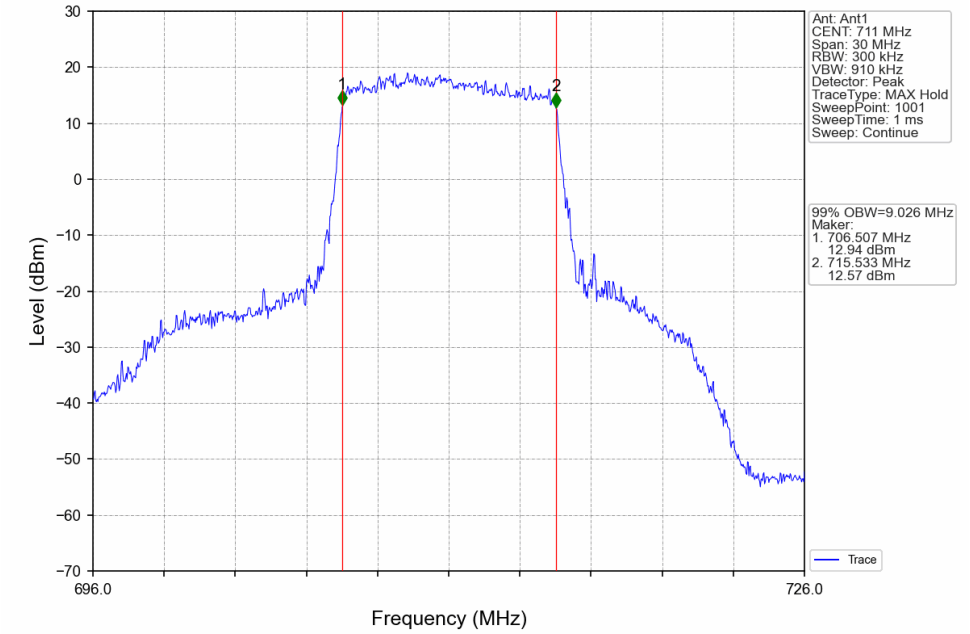
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



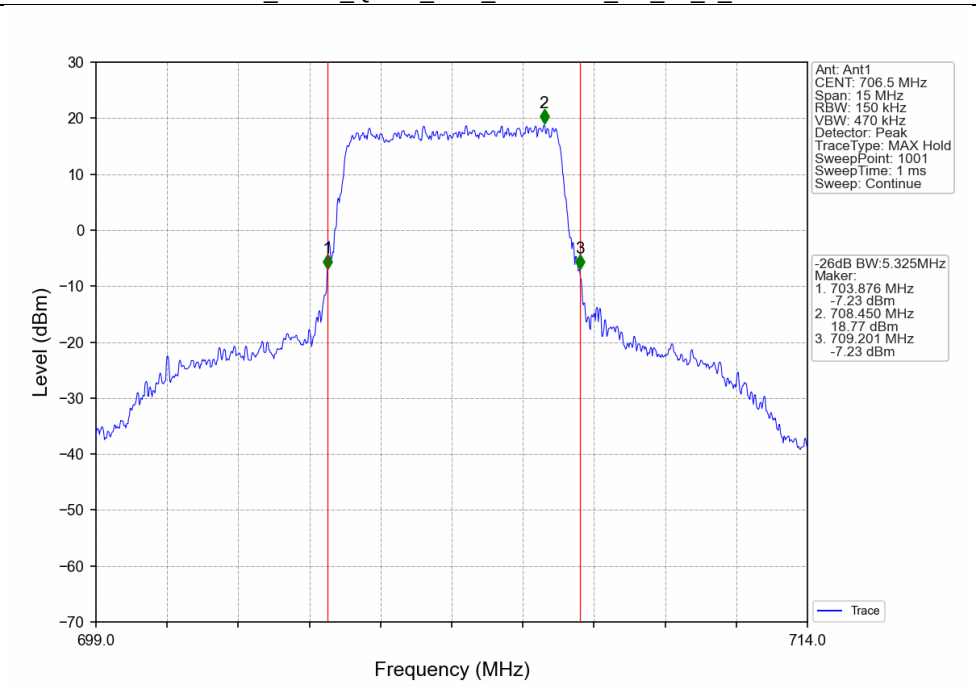
3.2 Band17_XDB

3.2.1 Test Result

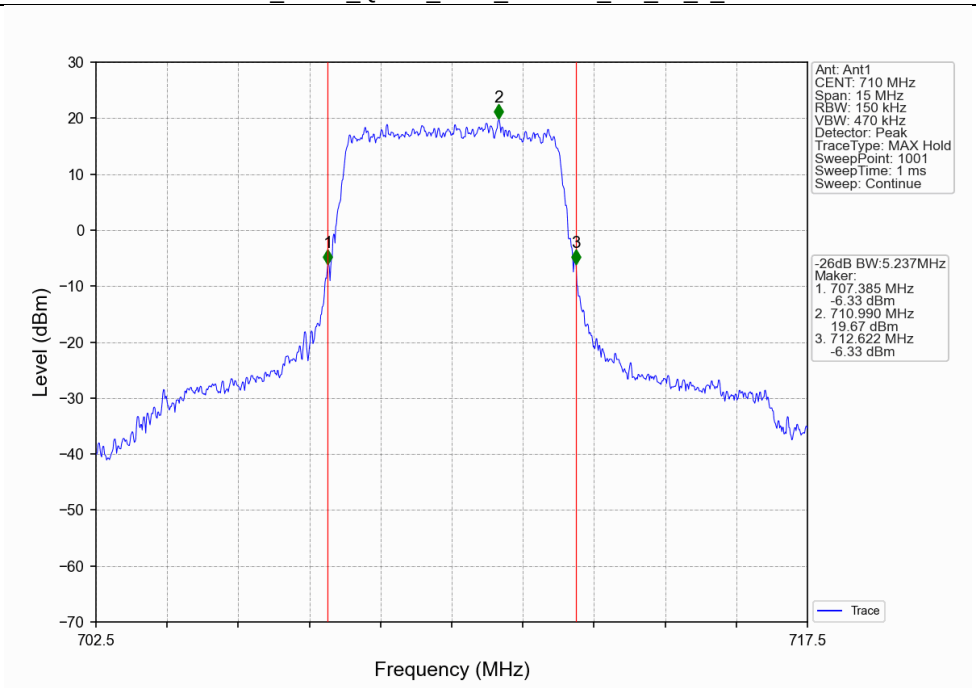
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.325	/	Pass
		710	25	0	5.237	/	Pass
		713.5	25	0	5.269	/	Pass
	16QAM	706.5	25	0	5.255	/	Pass
		710	25	0	5.206	/	Pass
		713.5	25	0	5.160	/	Pass
	64QAM	706.5	25	0	5.262	/	Pass
		710	25	0	5.189	/	Pass
		713.5	25	0	5.280	/	Pass
10	QPSK	709	50	0	10.130	/	Pass
		710	50	0	10.135	/	Pass
		711	50	0	10.091	/	Pass
	16QAM	709	50	0	10.264	/	Pass
		710	50	0	10.094	/	Pass
		711	50	0	10.076	/	Pass
	64QAM	709	50	0	10.081	/	Pass
		710	50	0	9.964	/	Pass
		711	50	0	10.132	/	Pass

3.2.2 Test Graph

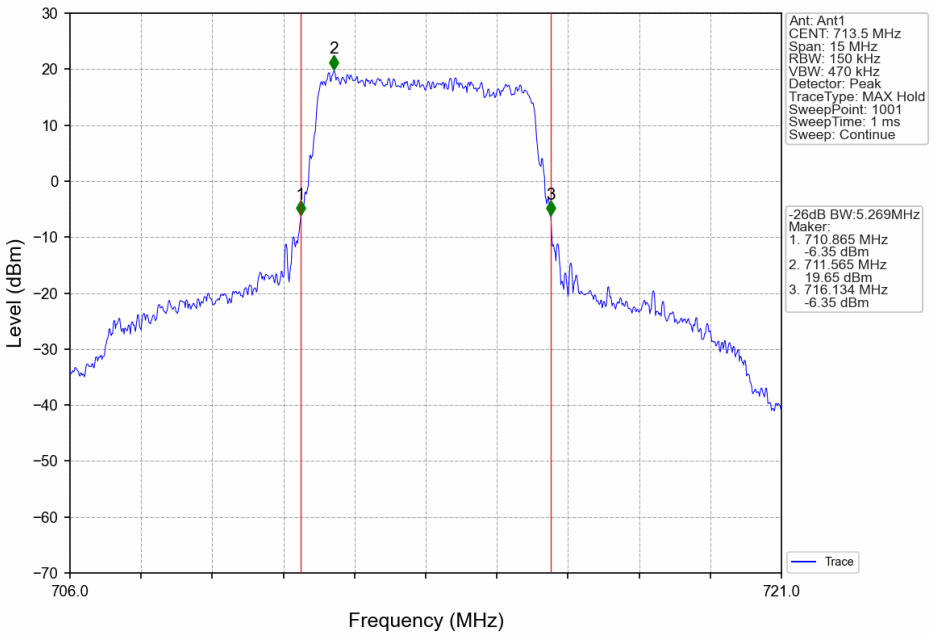
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



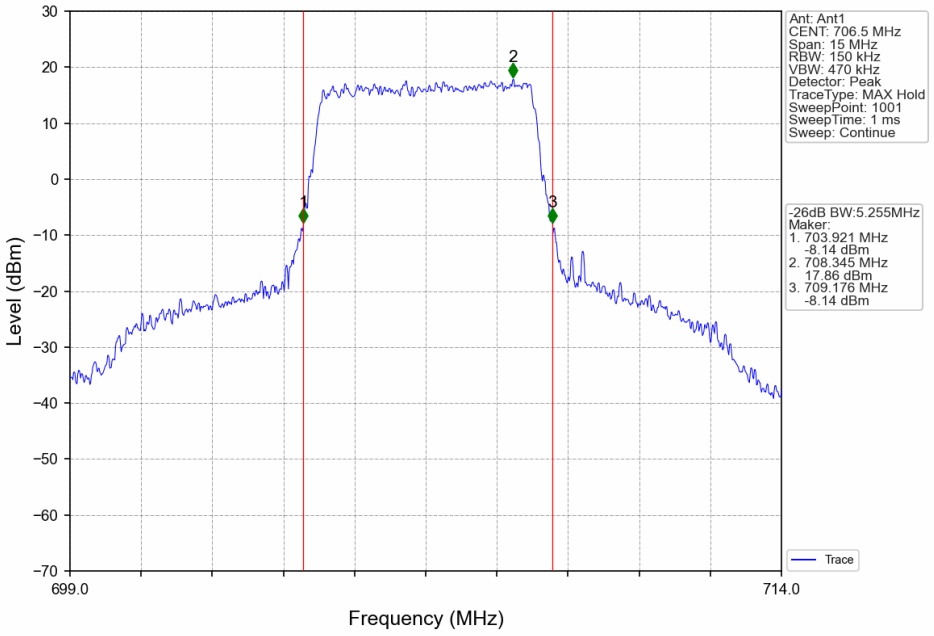
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



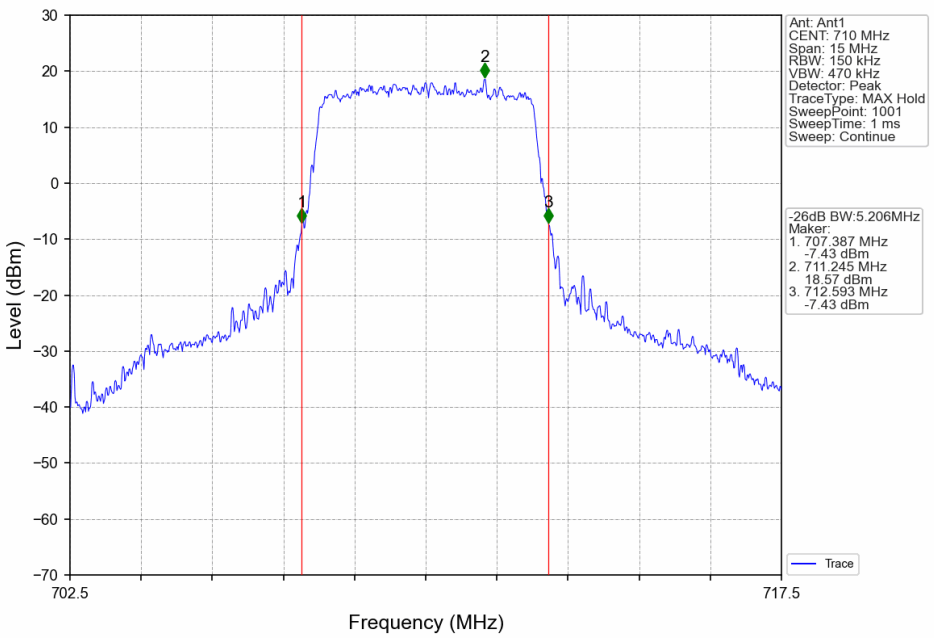
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



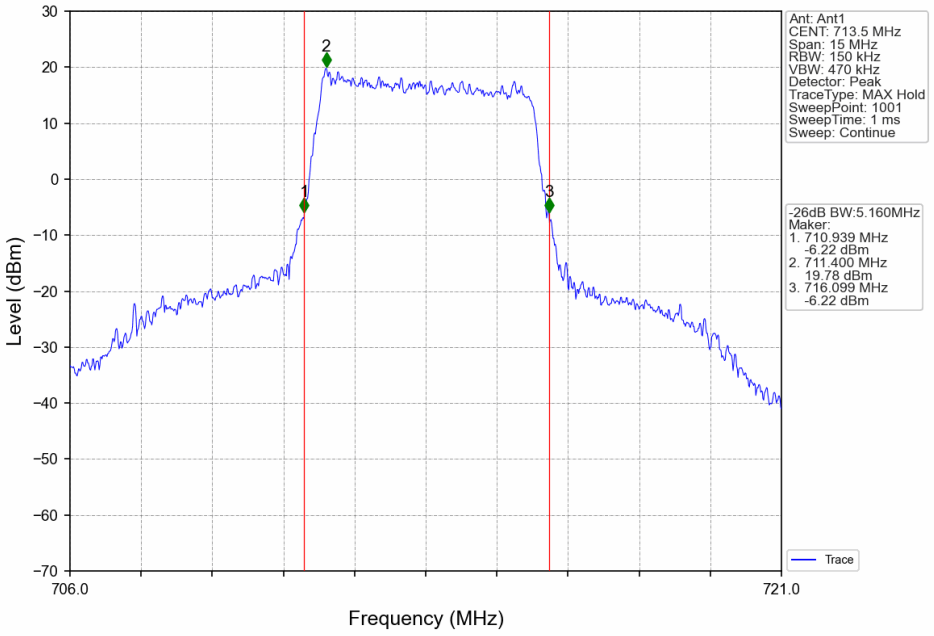
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



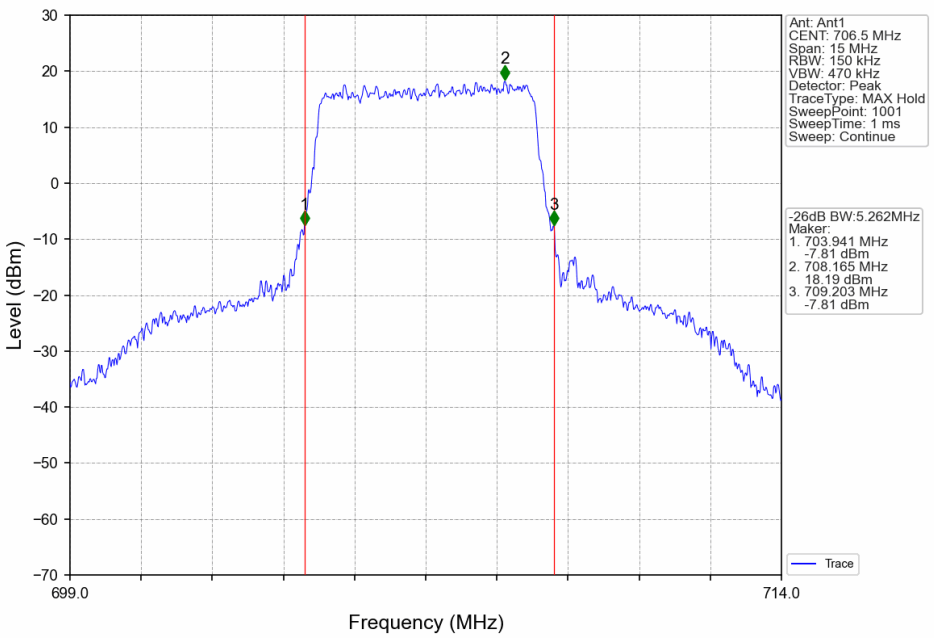
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



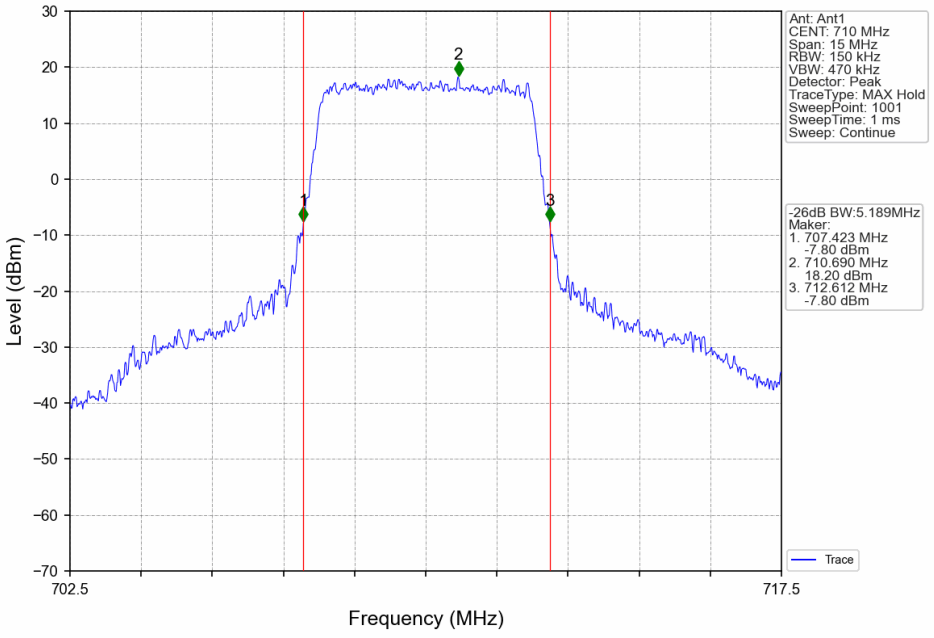
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



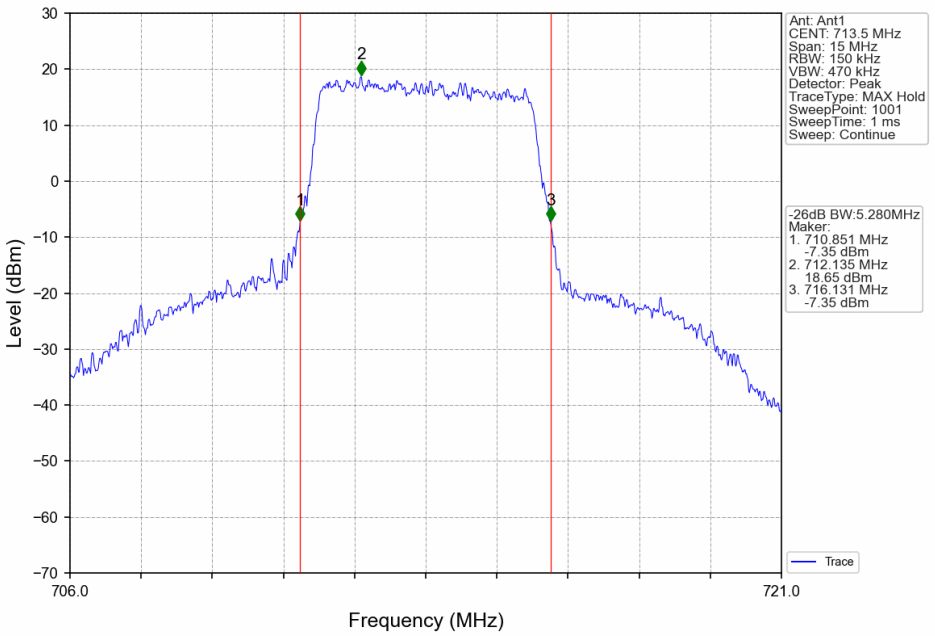
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



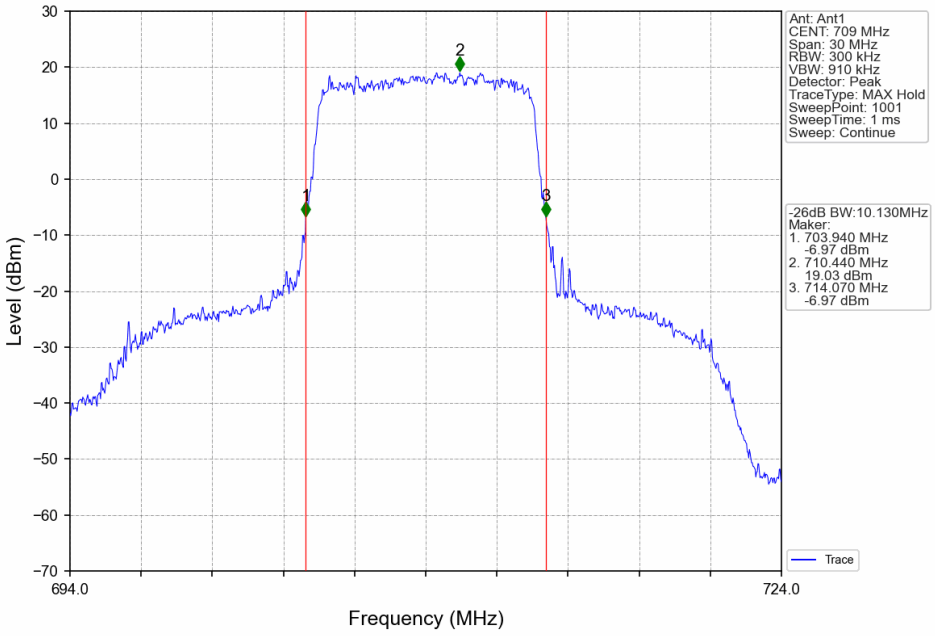
Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



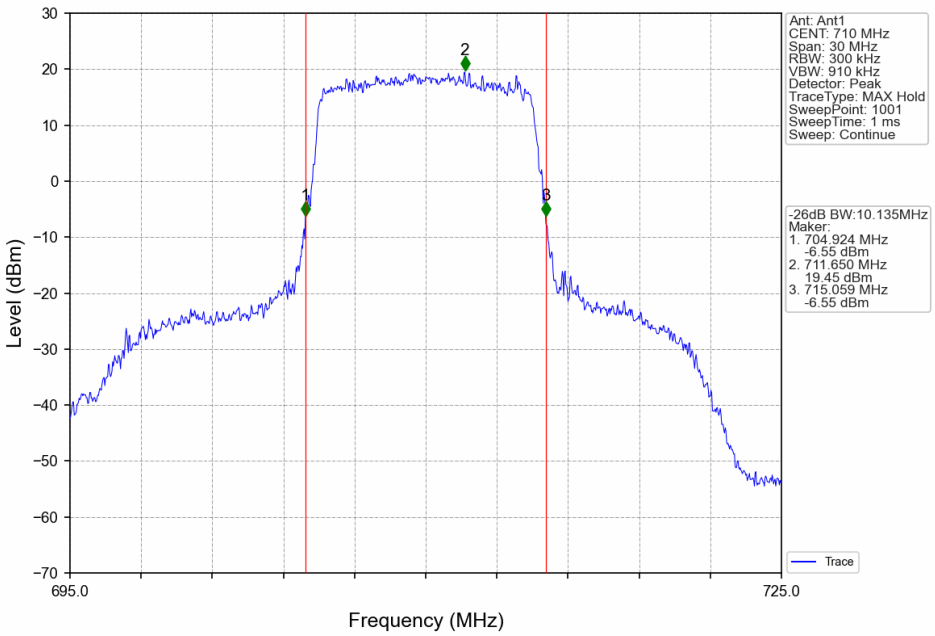
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



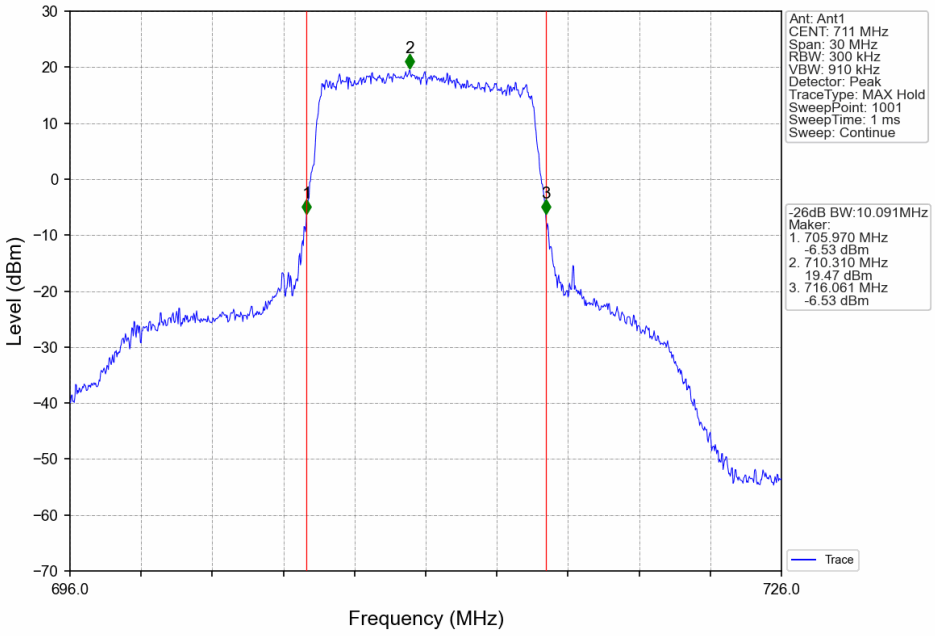
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



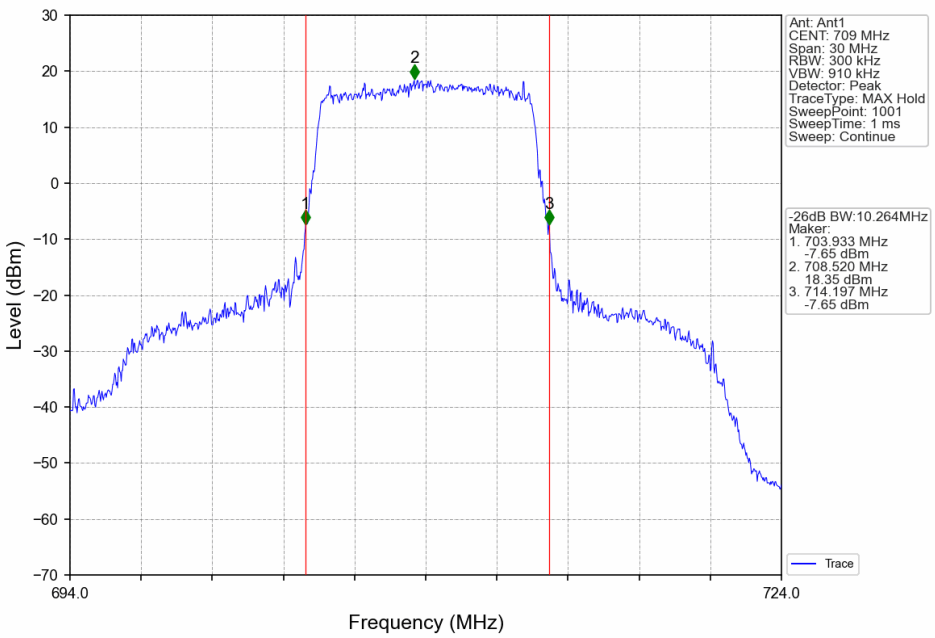
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



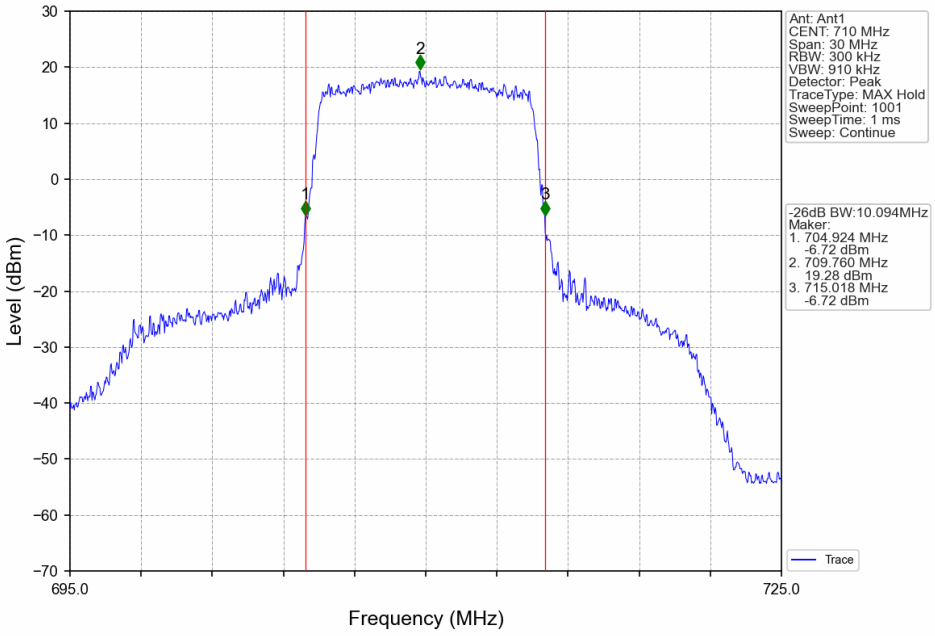
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



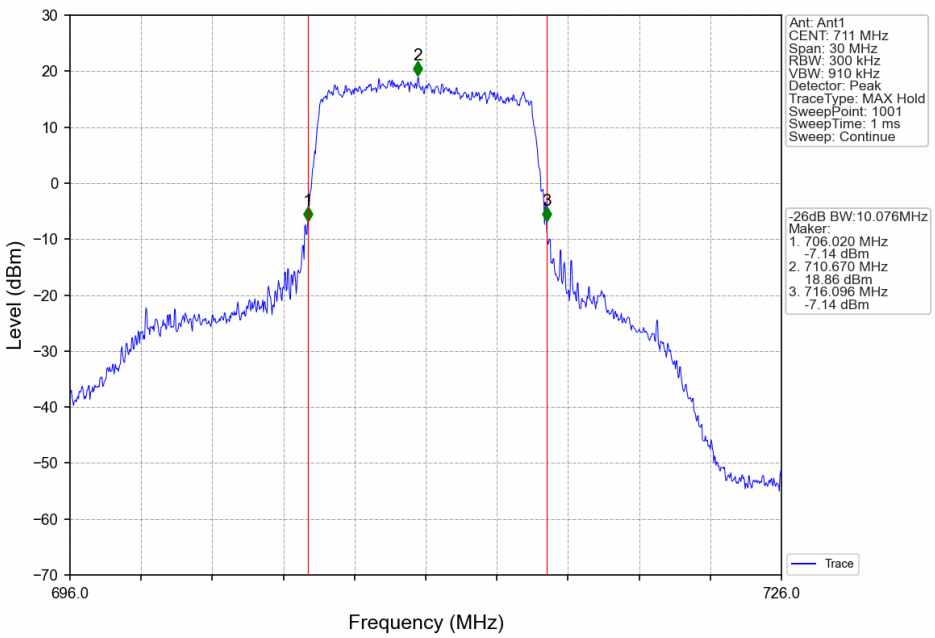
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



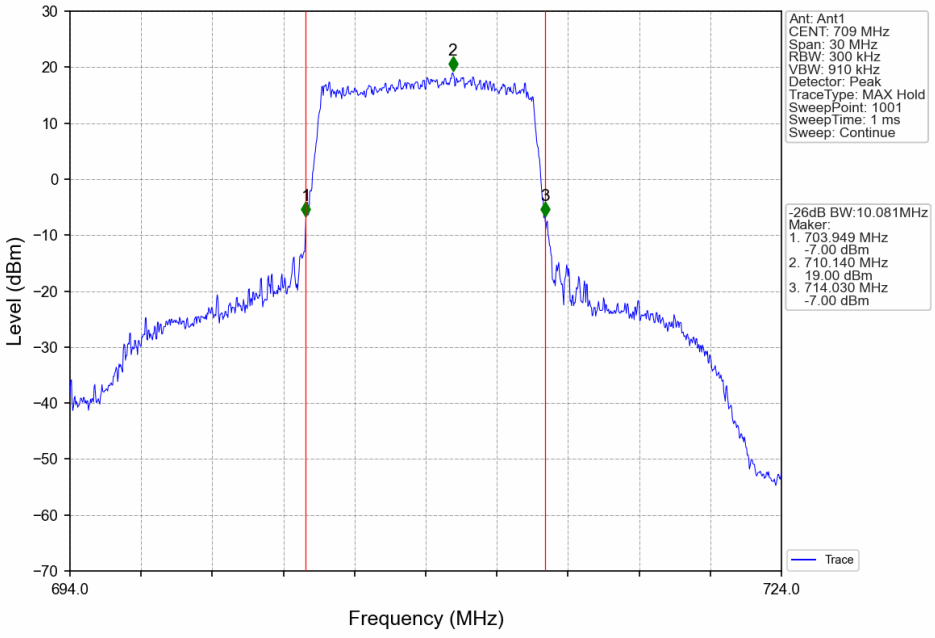
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



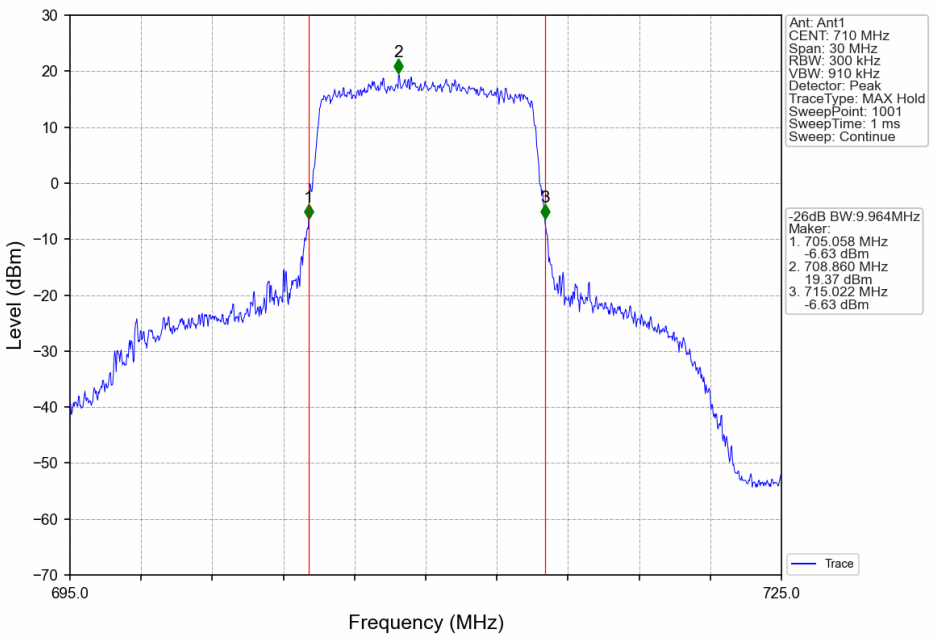
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



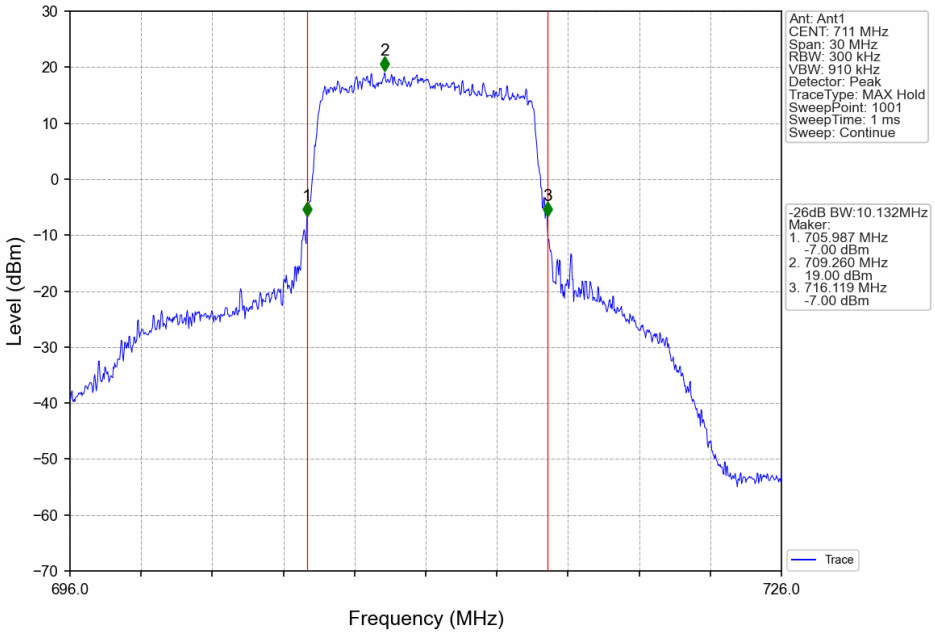
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



4. Peak-Average Ratio

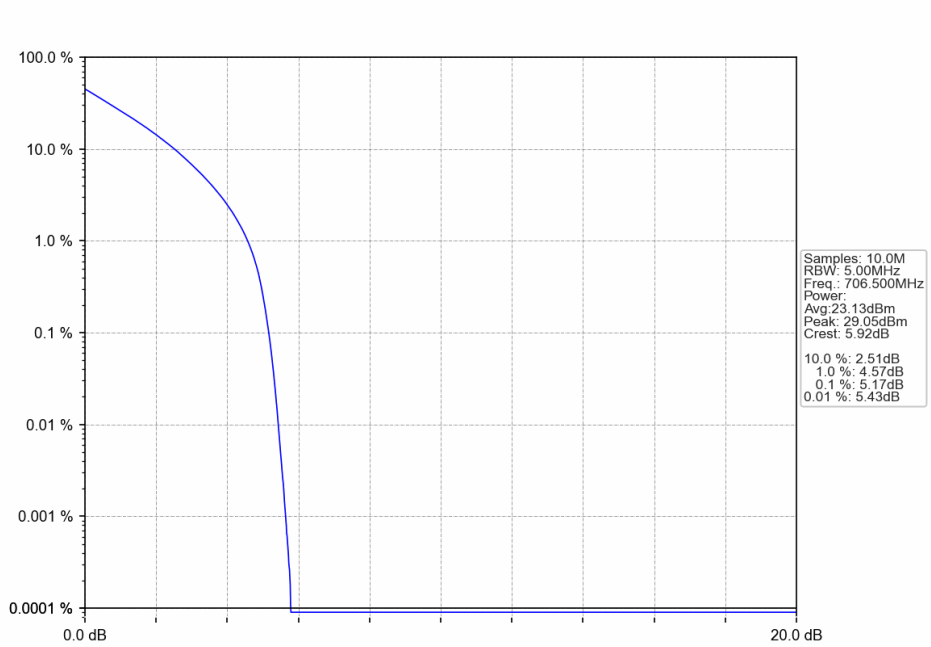
4.1 B17_5MHz

4.1.1 Test Result

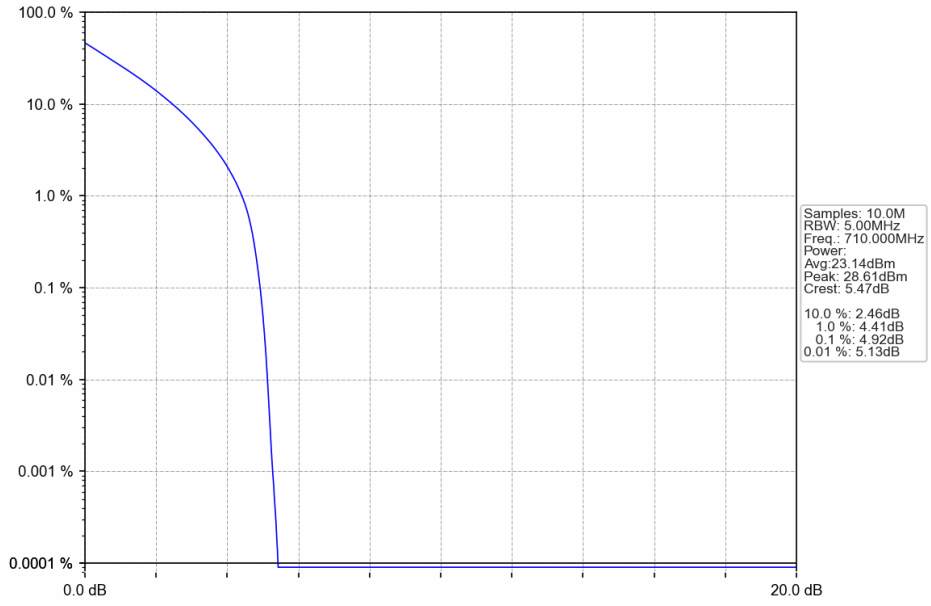
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.17	<=13	Pass
	710	25	0	4.92	<=13	Pass
	713.5	25	0	5.16	<=13	Pass
16QAM	706.5	25	0	6.24	<=13	Pass
	710	25	0	6.03	<=13	Pass
	713.5	25	0	6.20	<=13	Pass
64QAM	706.5	25	0	6.25	<=13	Pass
	710	25	0	6.02	<=13	Pass
	713.5	25	0	6.21	<=13	Pass

4.1.2 Test Graph

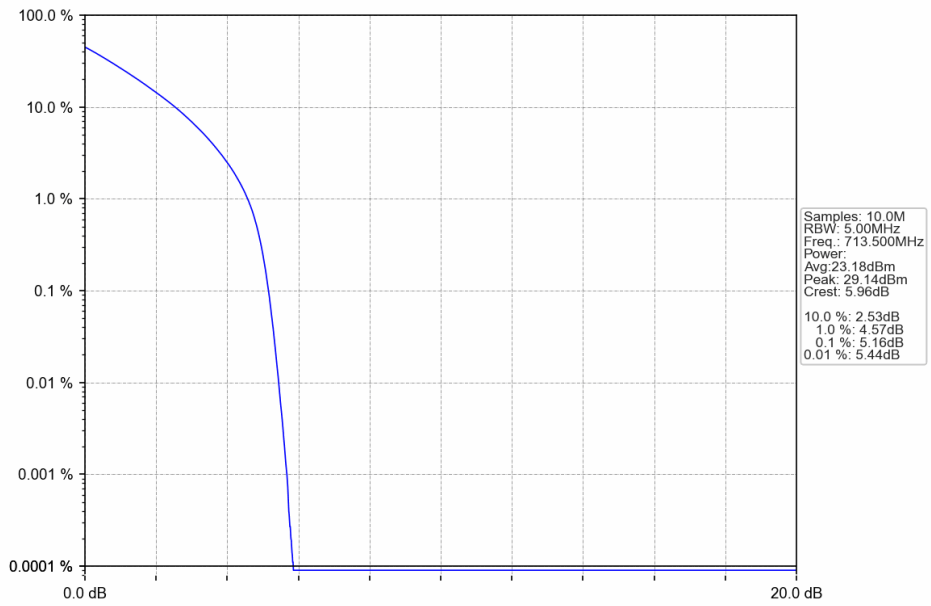
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



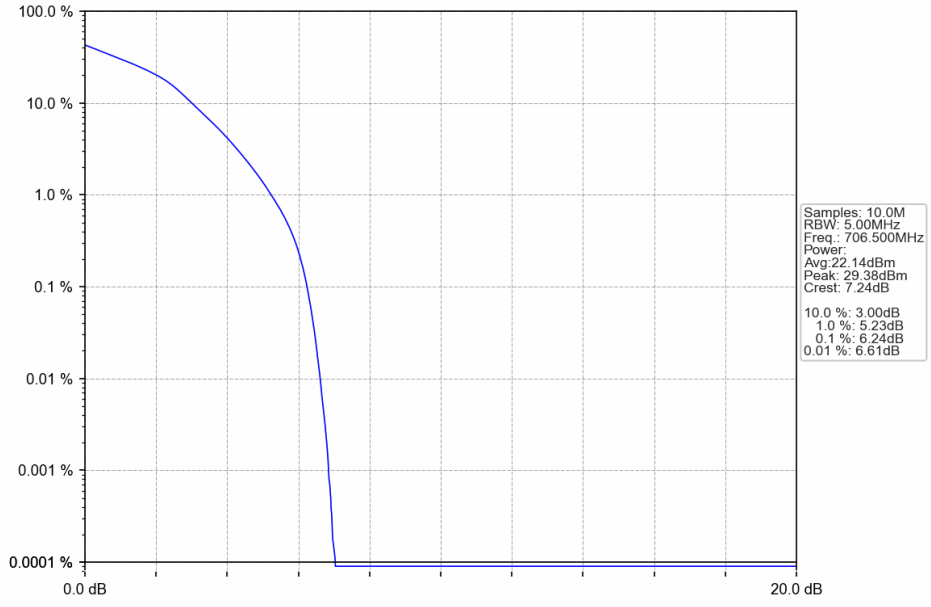
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



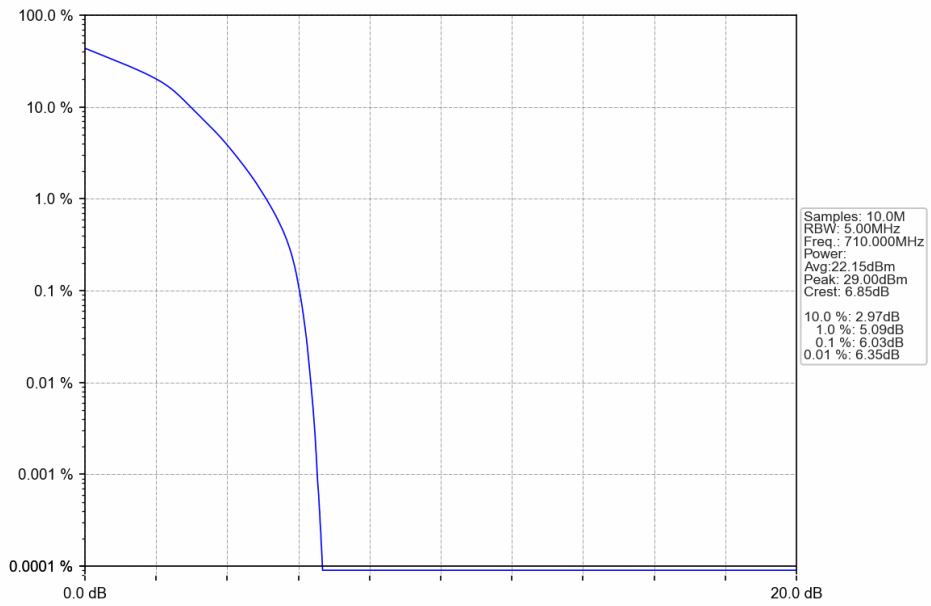
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



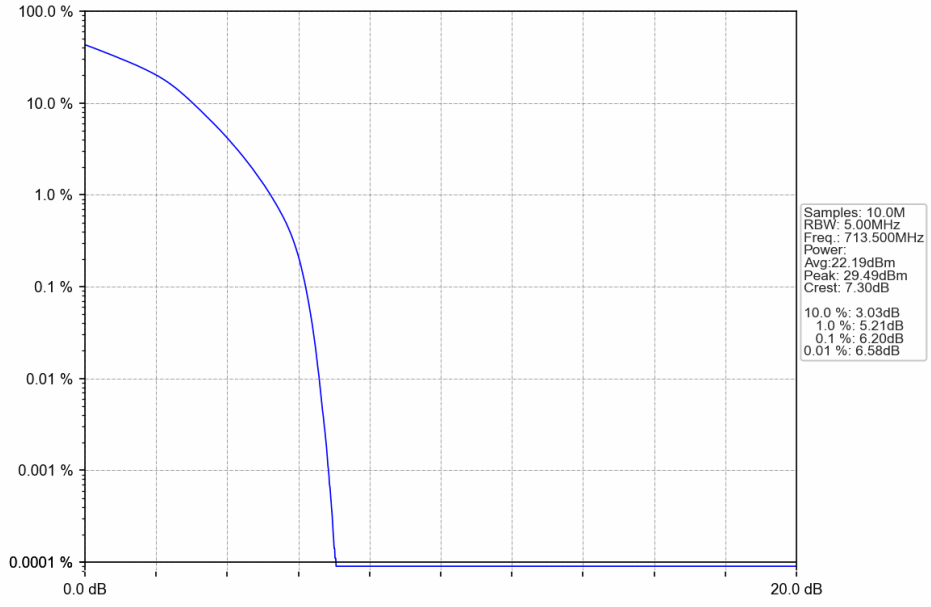
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



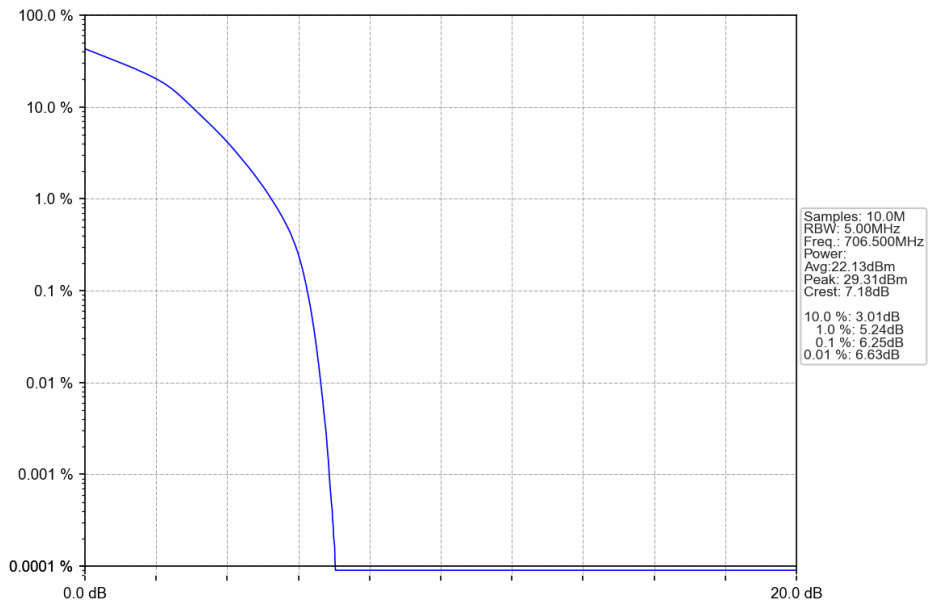
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



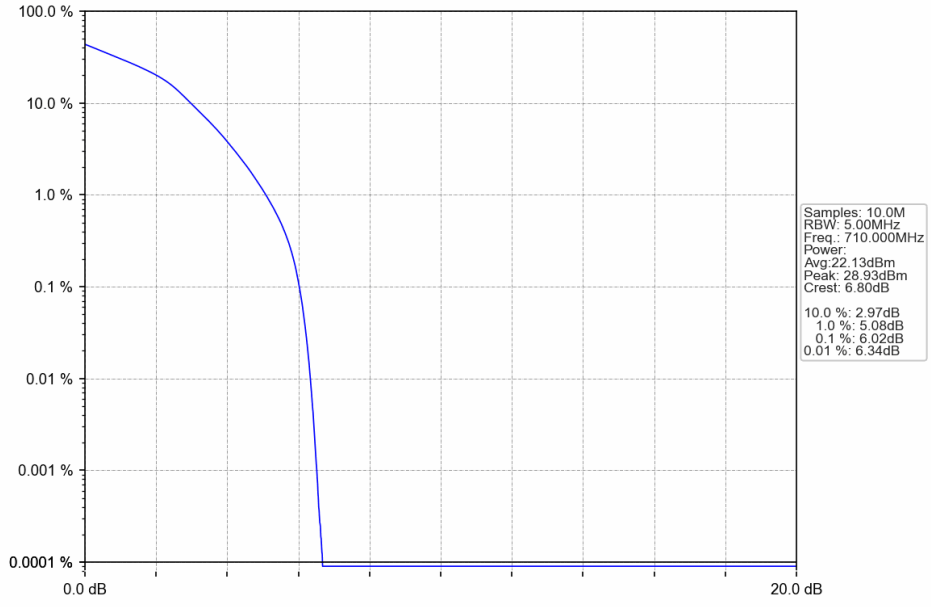
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



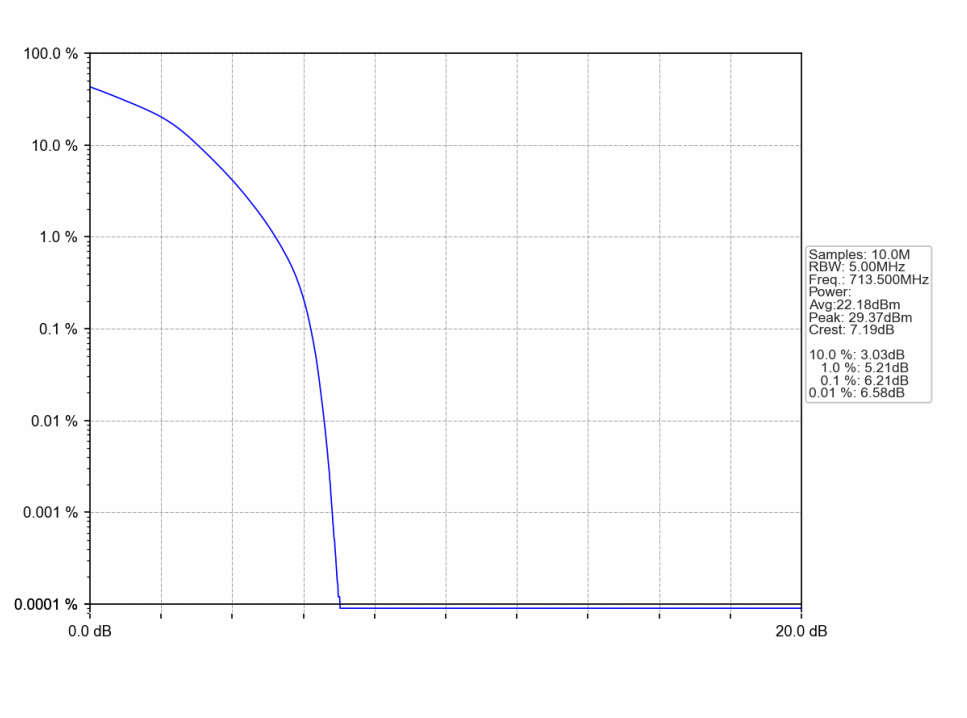
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



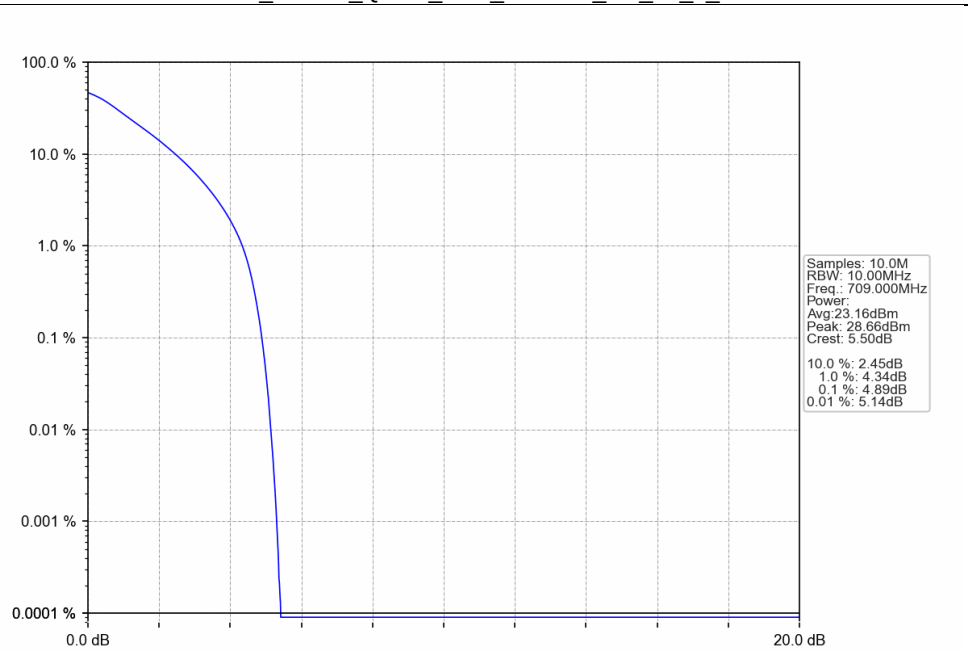
4.2 B17_10MHz

4.2.1 Test Result

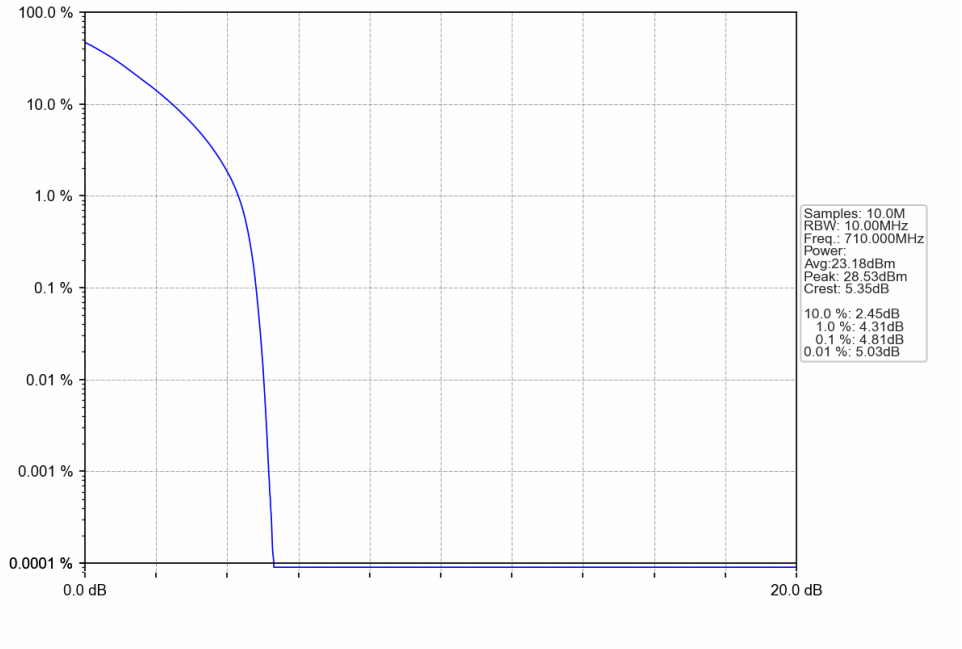
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.89	<=13	Pass
	710	50	0	4.81	<=13	Pass
	711	50	0	4.84	<=13	Pass
16QAM	709	50	0	6.02	<=13	Pass
	710	50	0	5.98	<=13	Pass
	711	50	0	6.00	<=13	Pass
64QAM	709	50	0	6.02	<=13	Pass
	710	50	0	5.97	<=13	Pass
	711	50	0	6.00	<=13	Pass

4.2.2 Test Graph

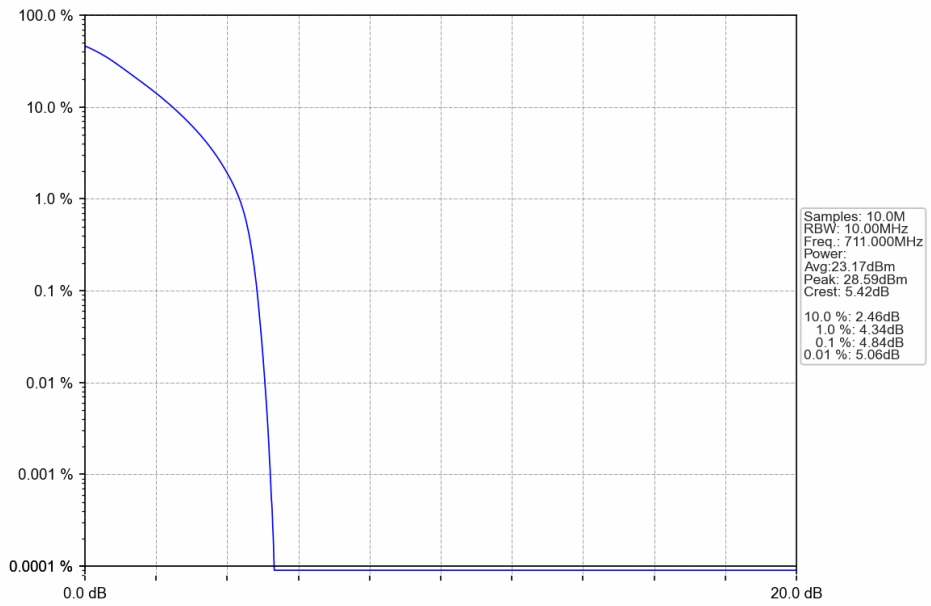
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



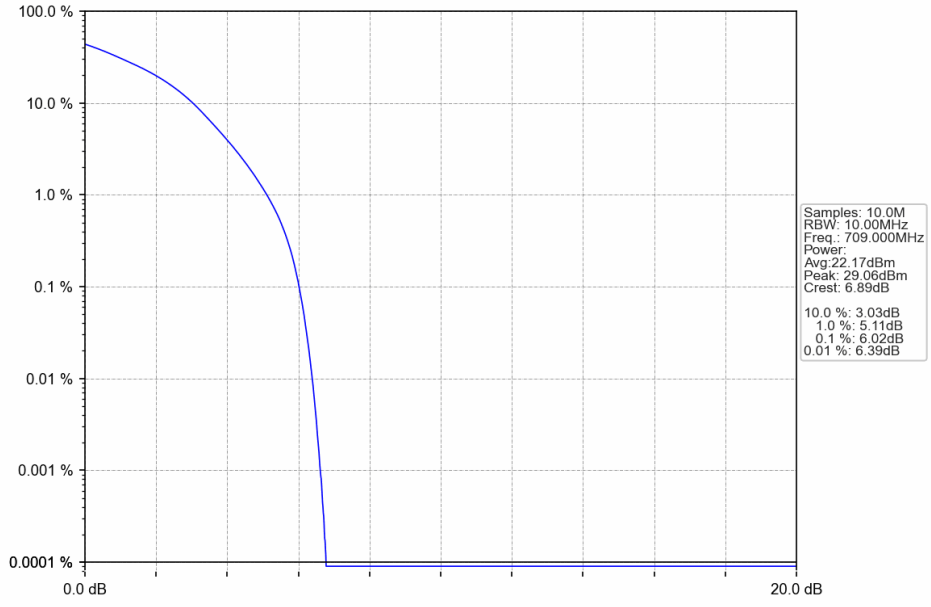
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



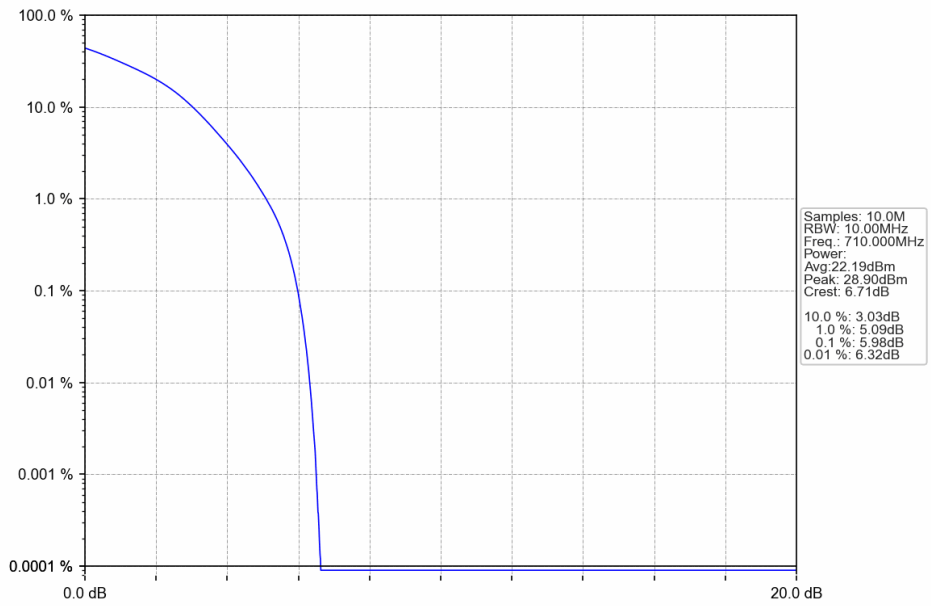
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



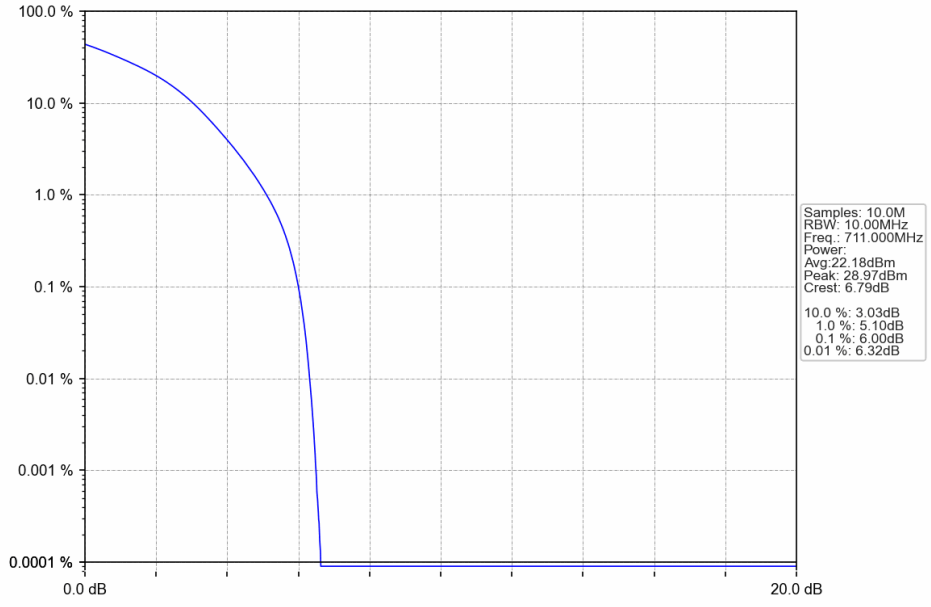
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



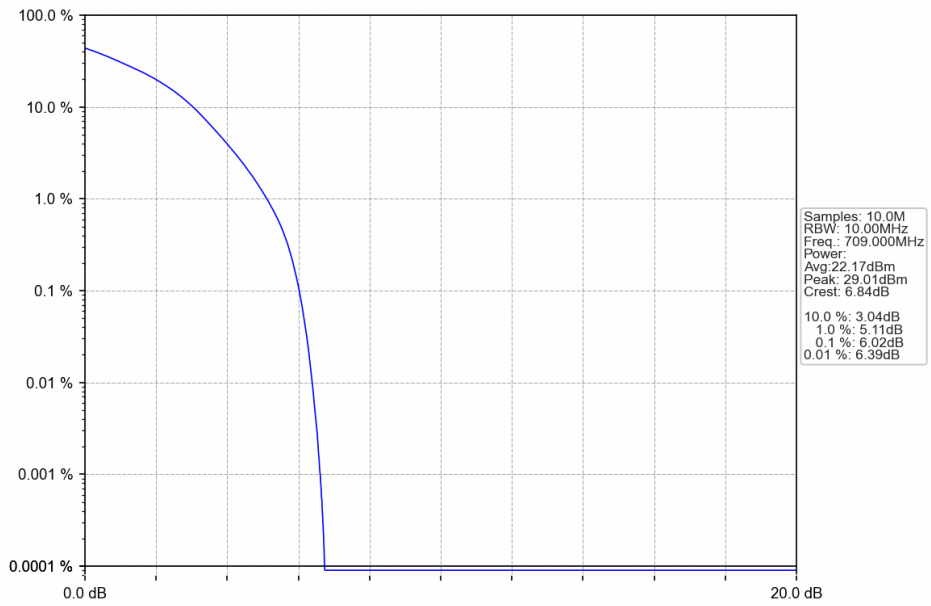
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



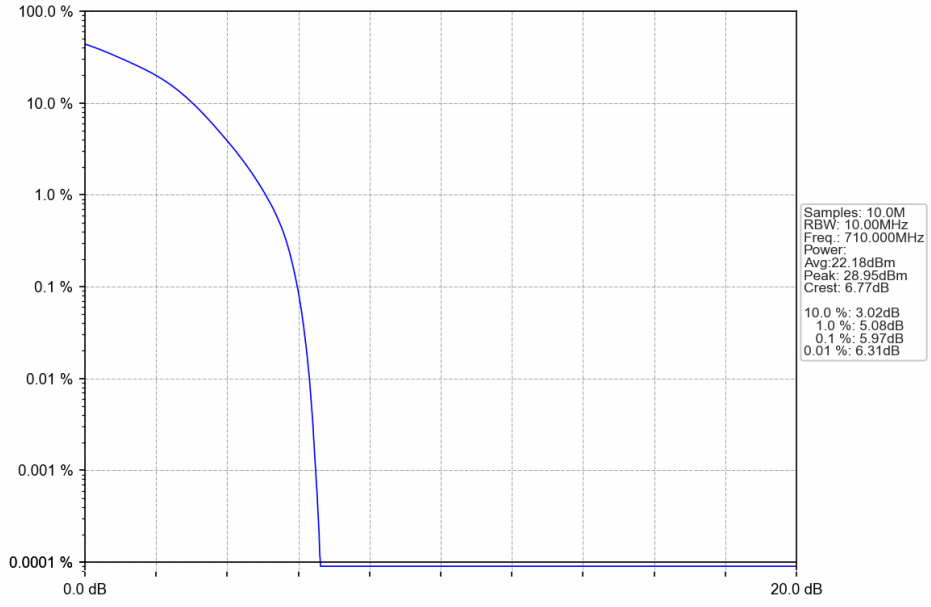
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



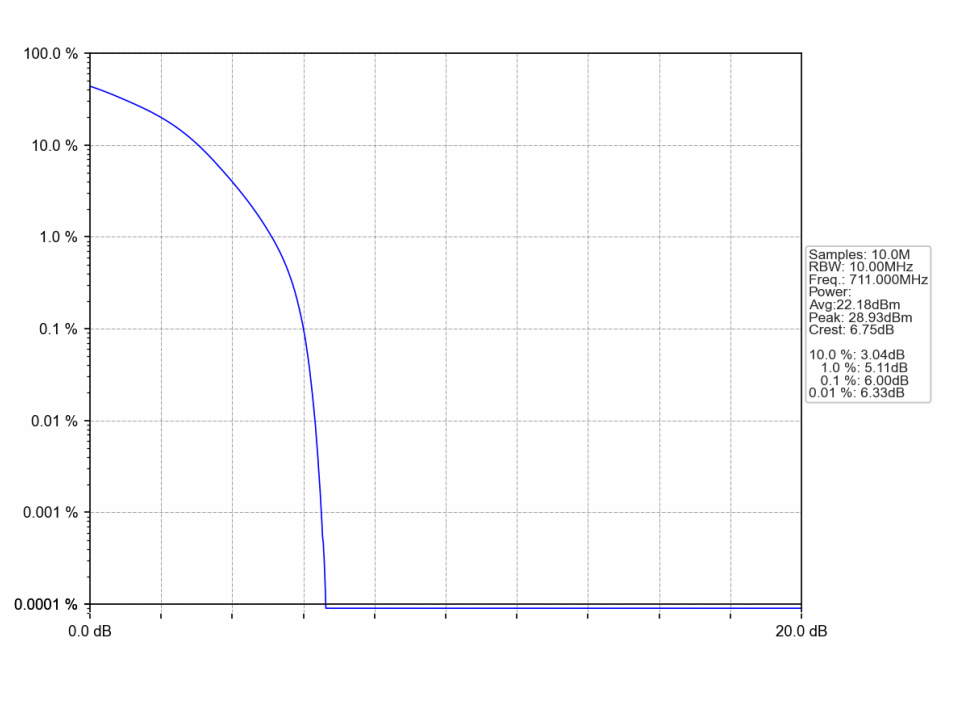
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



5. Spurious Emission

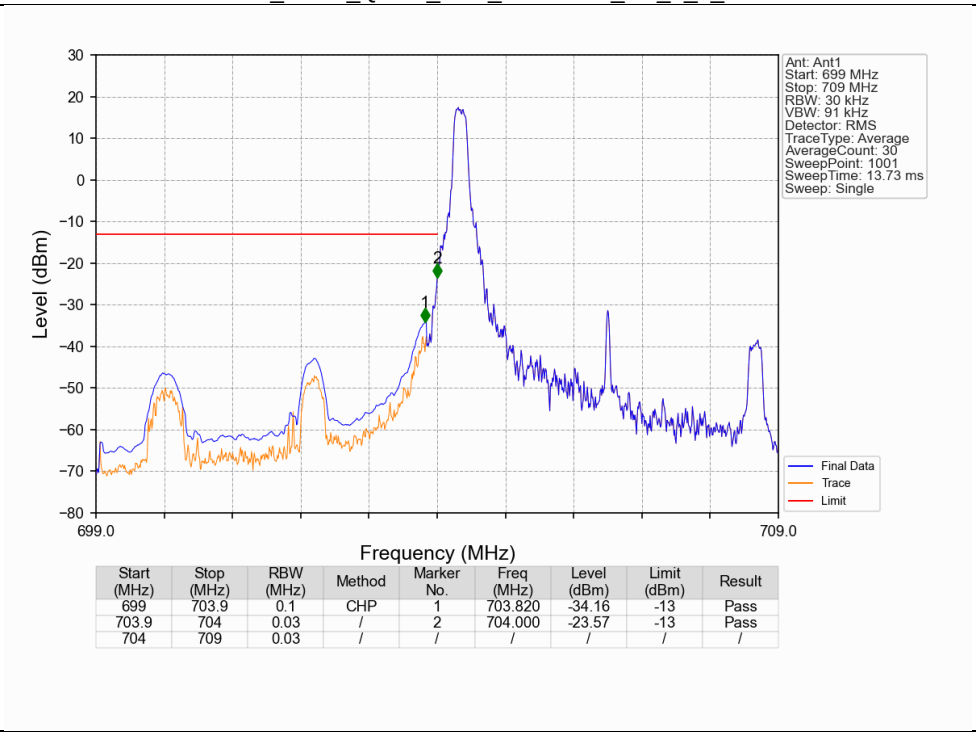
5.1 B17_5MHz

5.1.1 Test Result

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

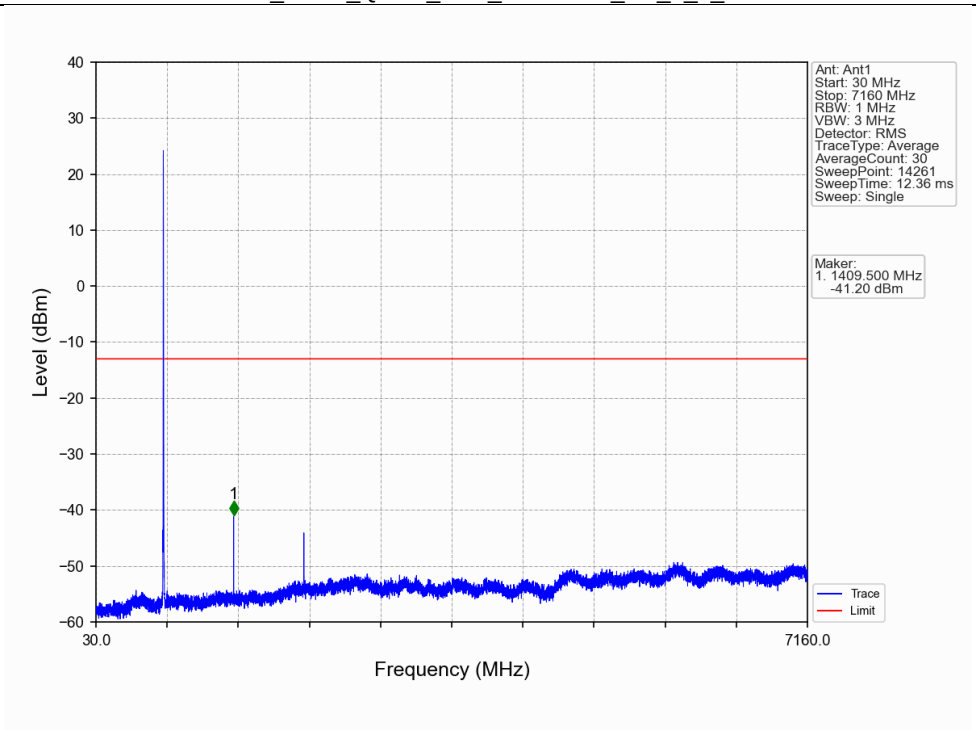
5.1.2 Test Graph

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

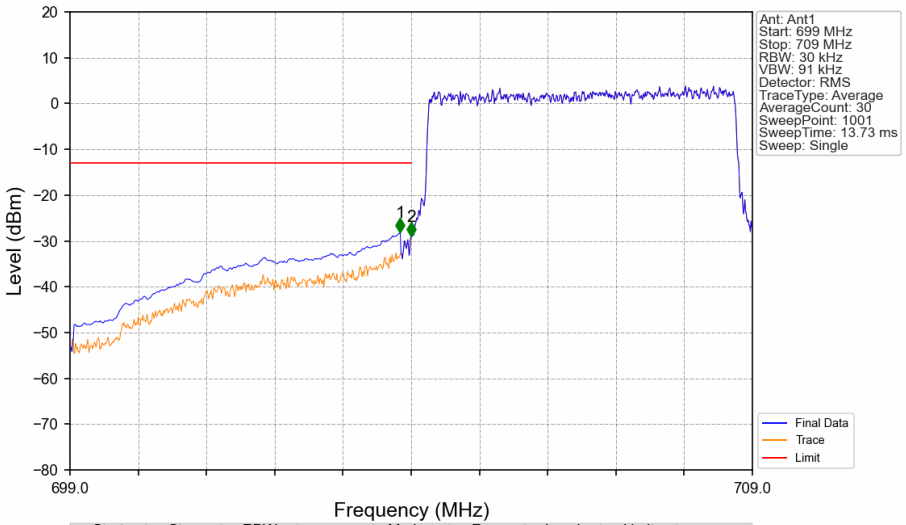


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.820	-34.16	-13	Pass
703.9	704	0.03	/	2	704.000	-23.57	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

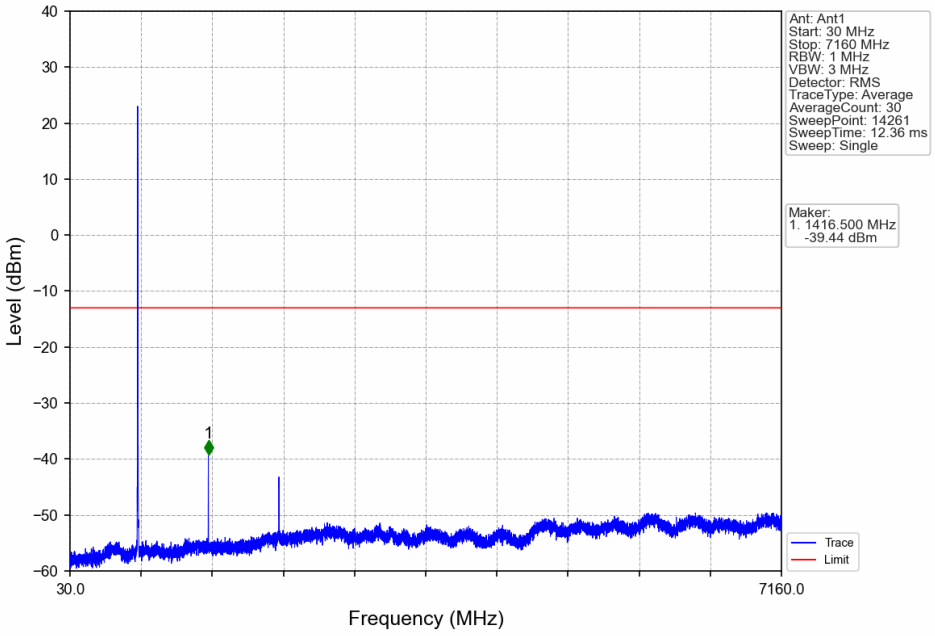


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

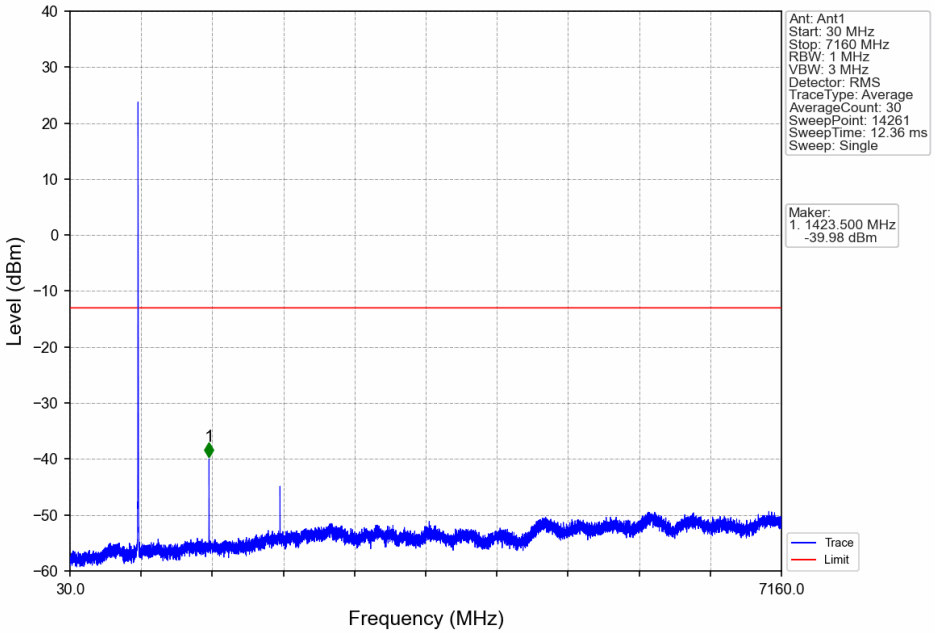


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-28.12	-13	Pass
703.9	704	0.03	/	2	704.000	-29.06	-13	Pass
704	709	0.03	/	/	/	/	/	/

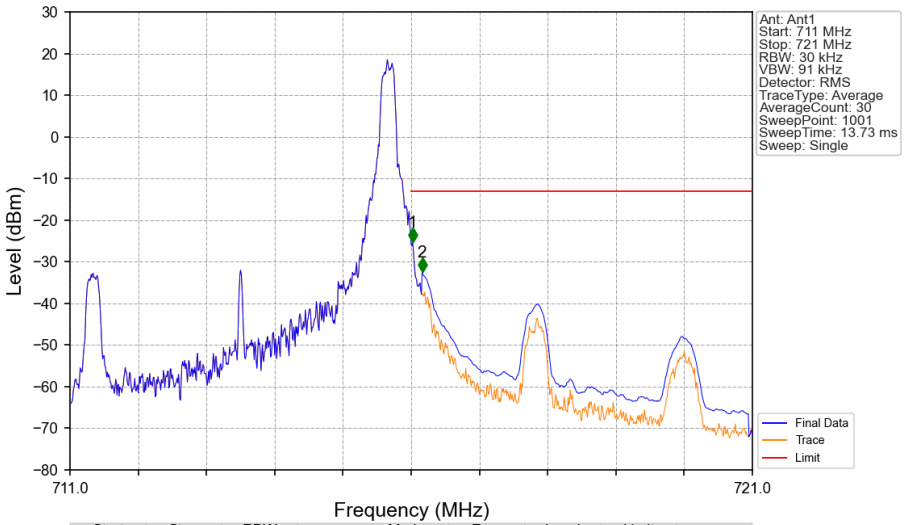
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

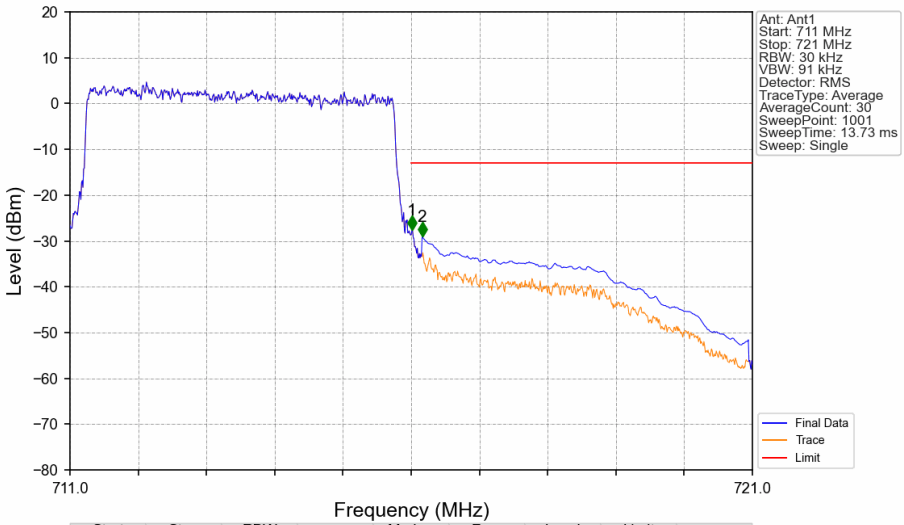


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



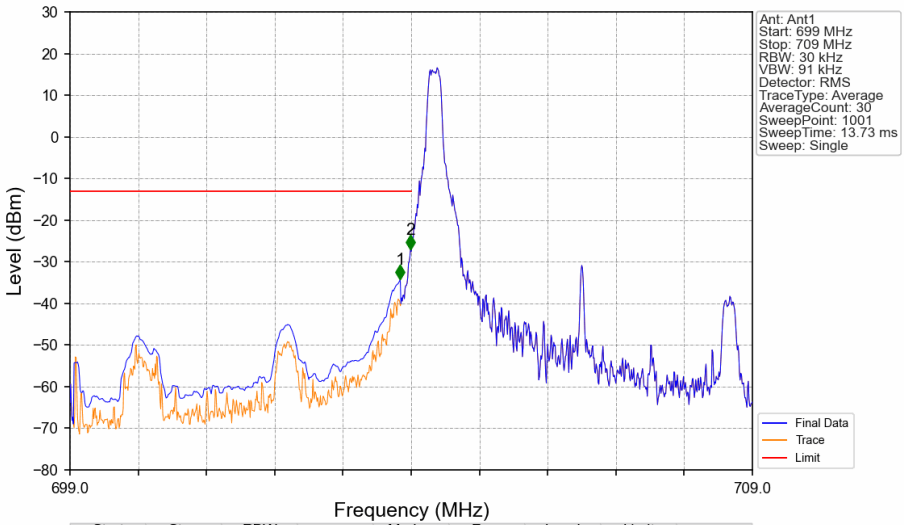
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-25.32	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.44	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



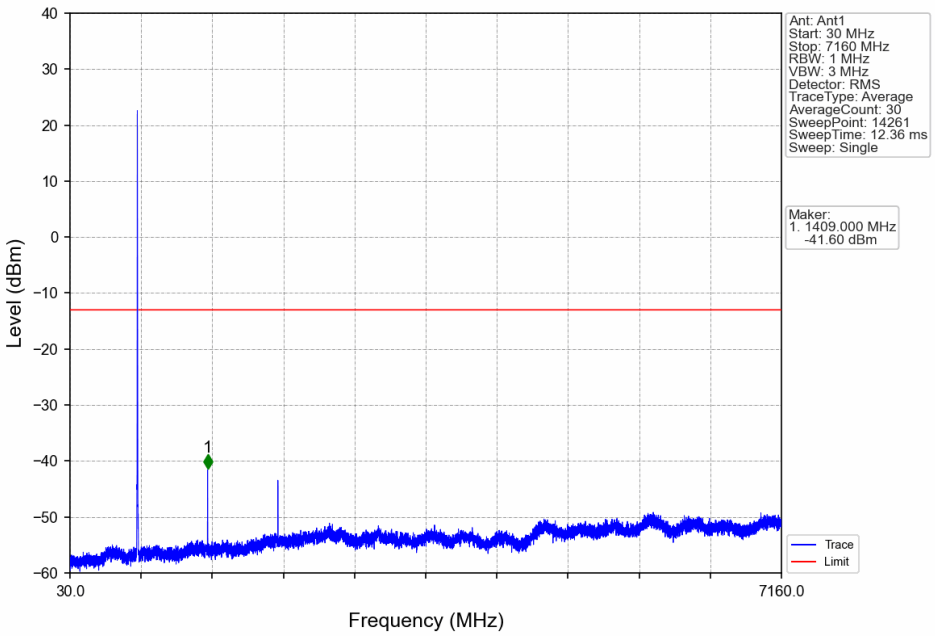
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-27.70	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.99	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

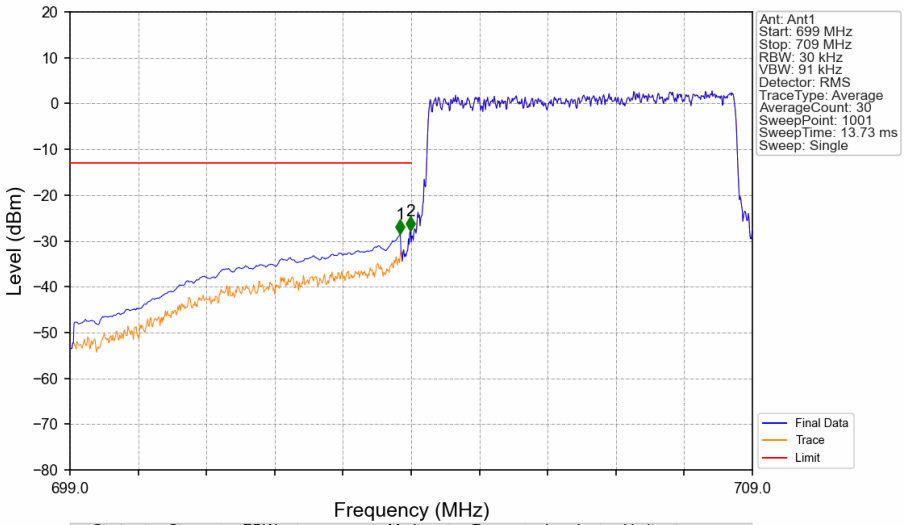


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-34.26	-13	Pass
703.9	704	0.03	/	2	703.990	-27.03	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

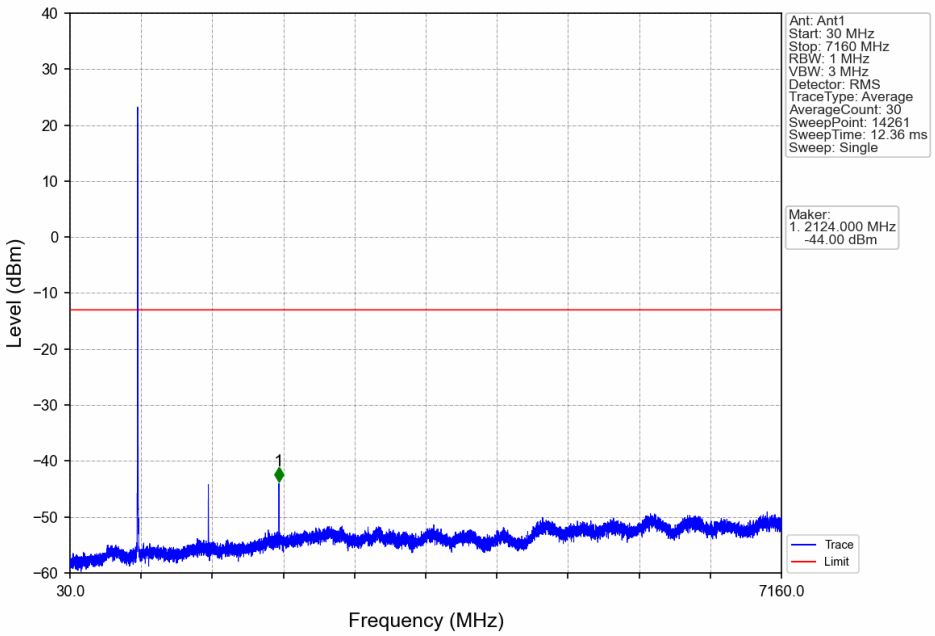


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

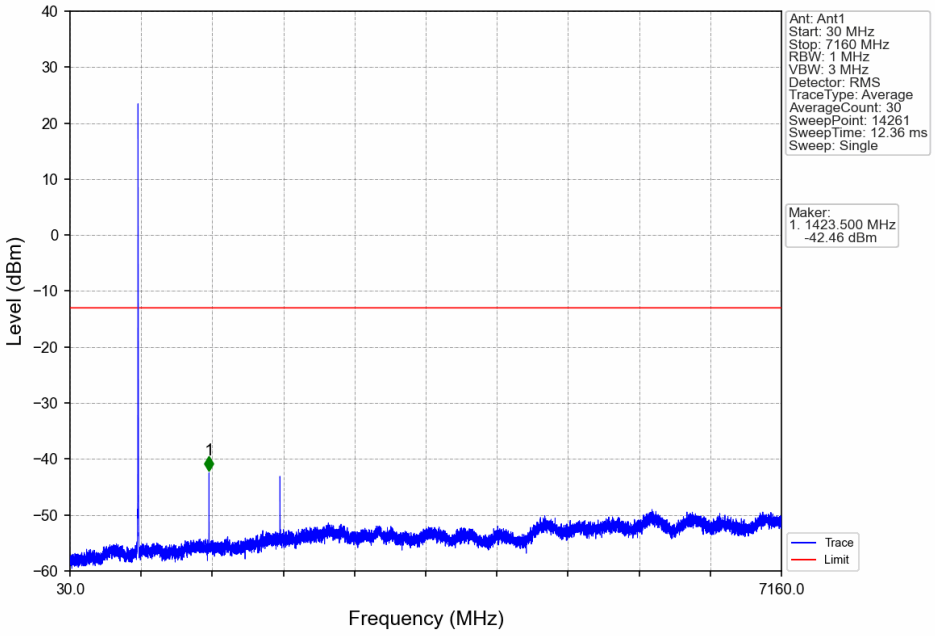


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-28.45	-13	Pass
703.9	704	0.03	/	2	703.990	-27.87	-13	Pass
704	709	0.03	/	/	/	/	/	/

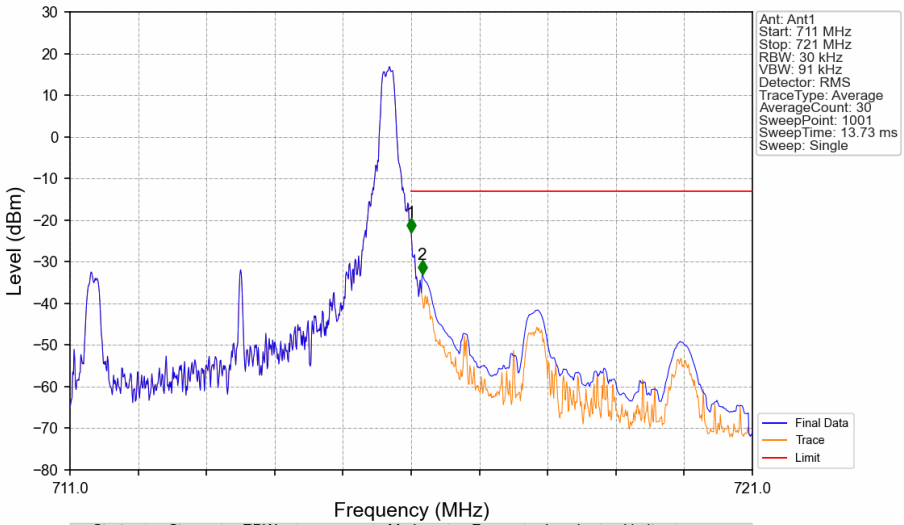
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

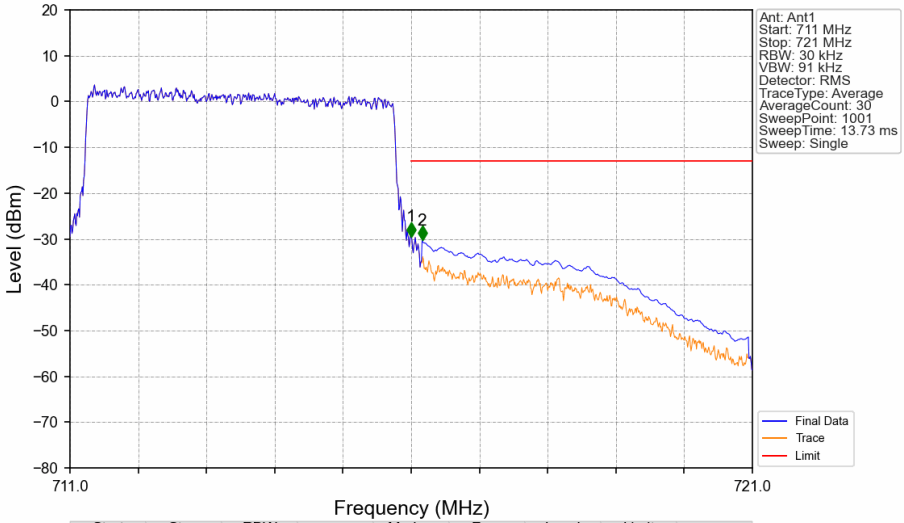


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



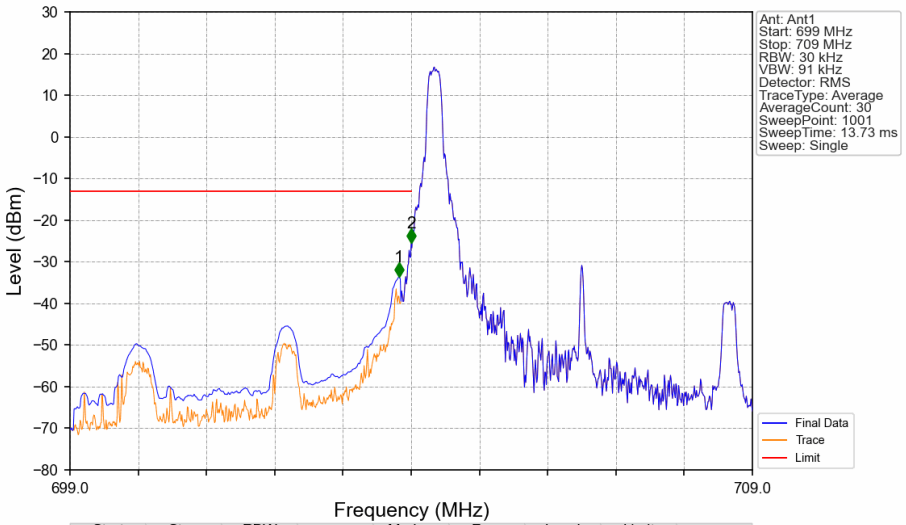
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.05	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.03	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



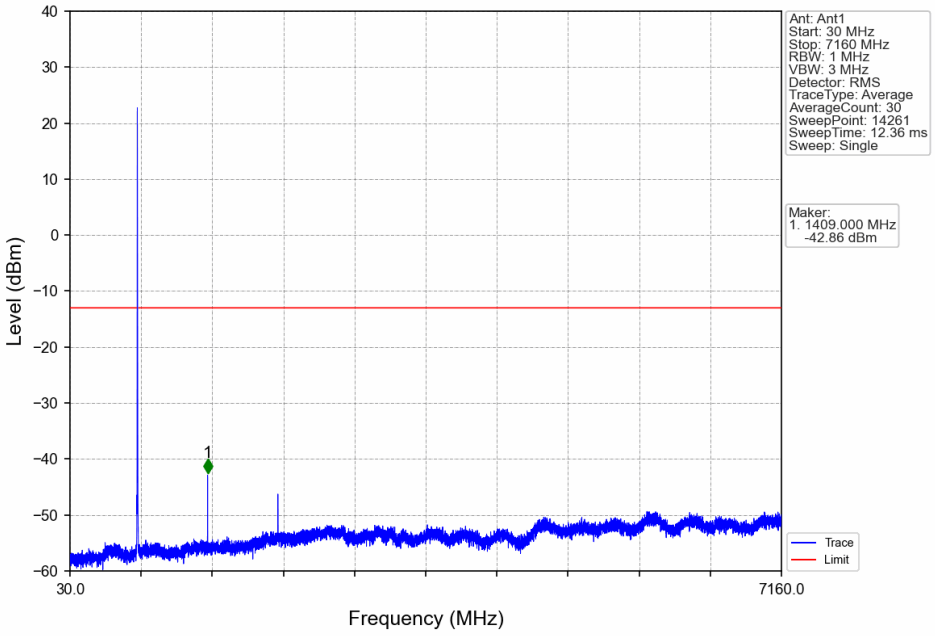
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-29.50	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.28	-13	Pass

Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV

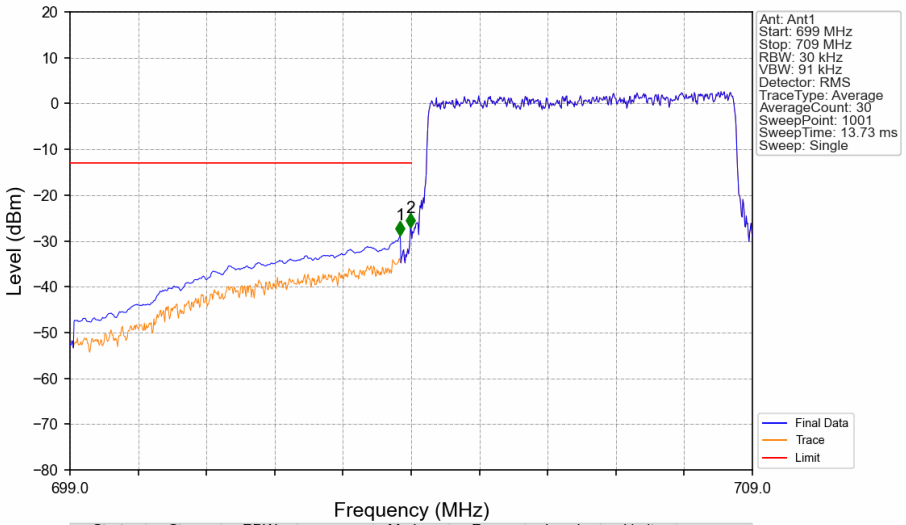


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.820	-33.63	-13	Pass
703.9	704	0.03	/	2	704.000	-25.55	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV

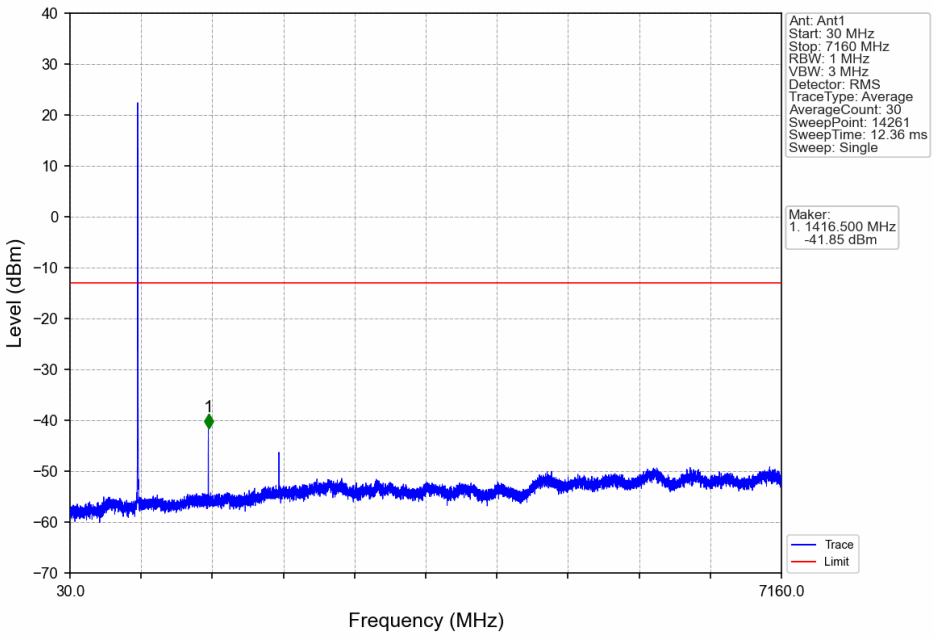


Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV

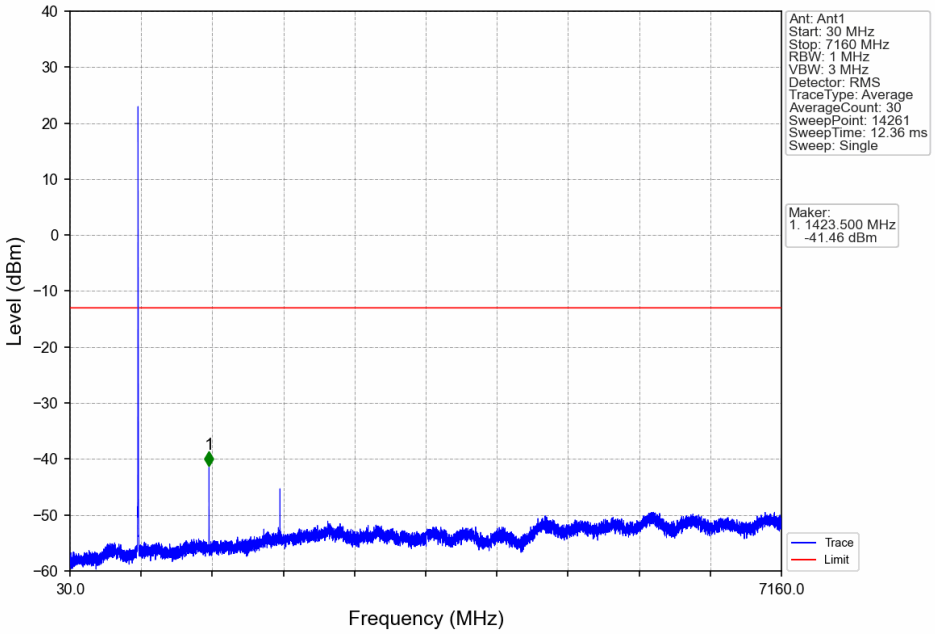


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-28.76	-13	Pass
703.9	704	0.03	/	2	703.990	-27.04	-13	Pass
704	709	0.03	/	/	/	/	/	/

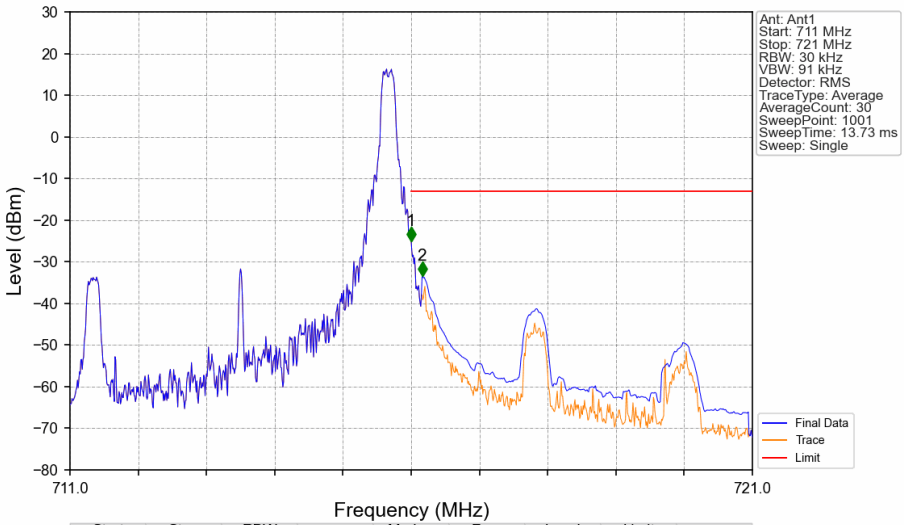
Band17_5MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_0_NTNV

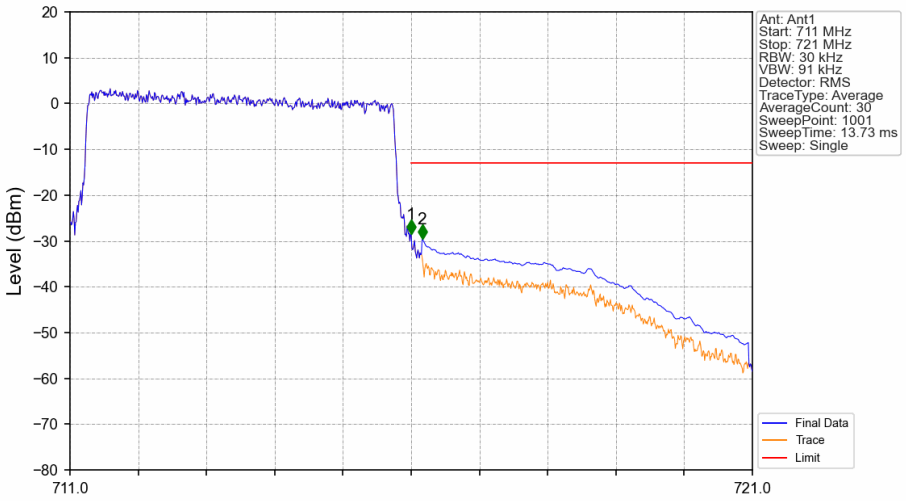


Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_24_NTNV



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	716.000	-25.01	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.34	-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	716.000	-28.45	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.56	-13	Pass

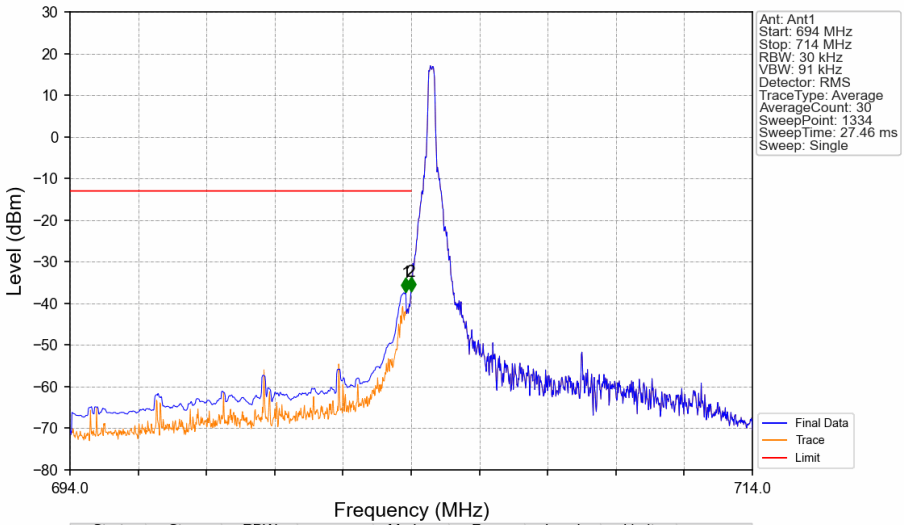
5.2 B17_10MHz

5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
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

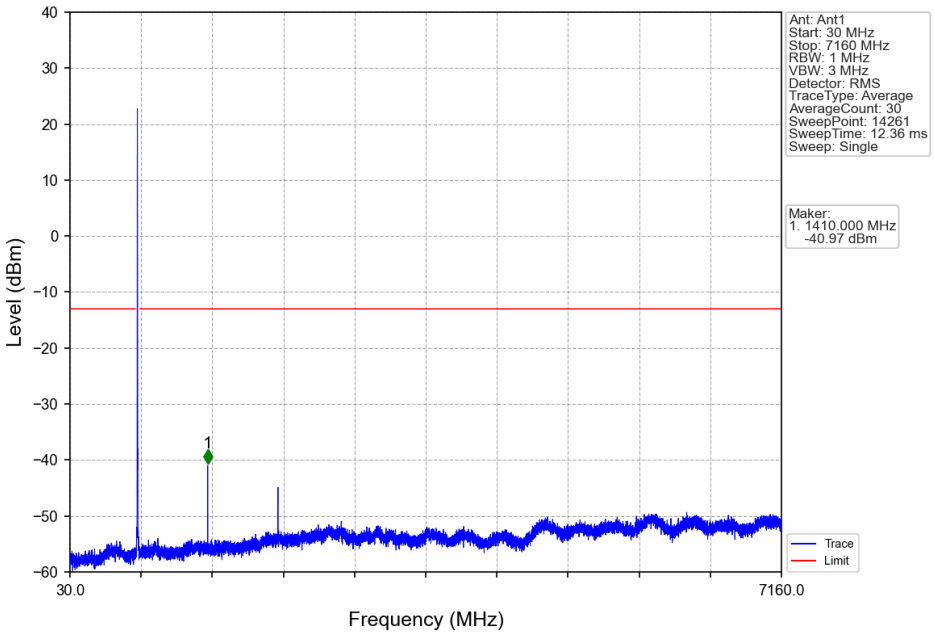
5.2.2 Test Graph

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

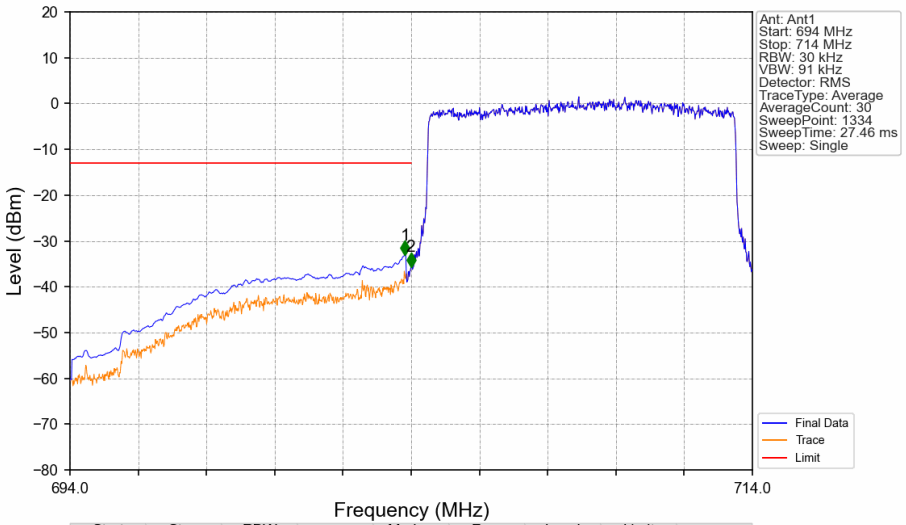


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-37.30	-13	Pass
703.9	704	0.03	/	2	703.992	-37.10	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

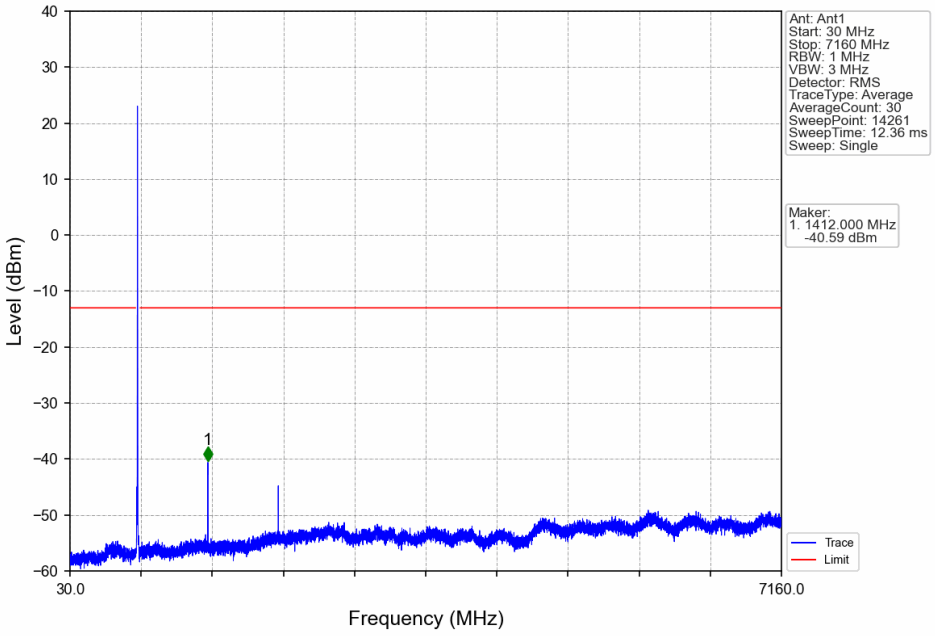


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

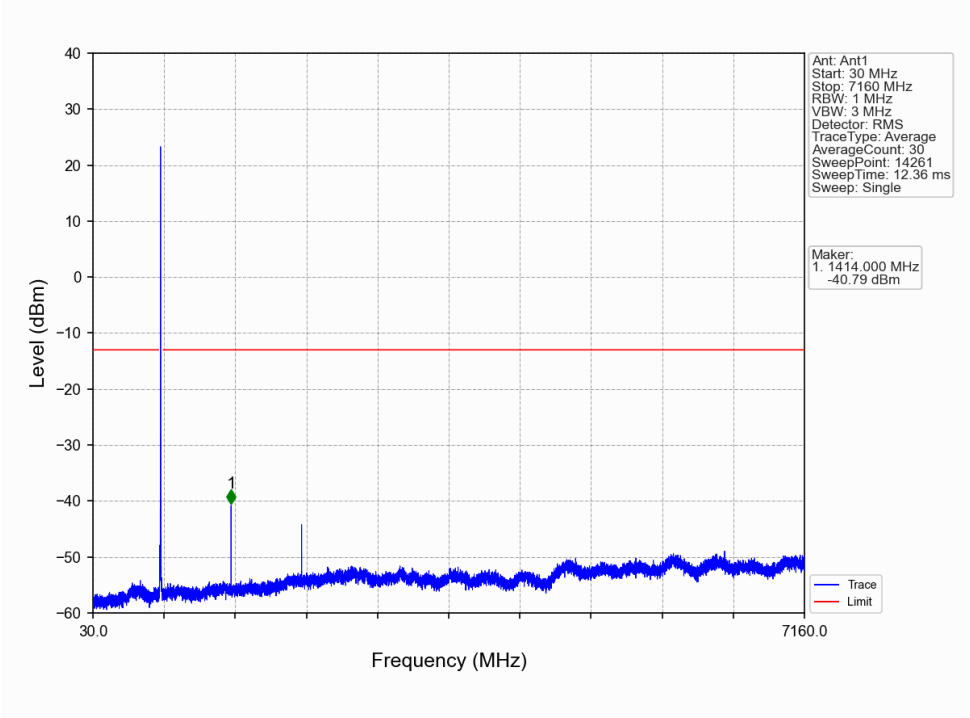


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.812	-33.15	-13	Pass
703.9	704	0.03	/	2	703.992	-35.65	-13	Pass
704	714	0.03	/	/	/	/	/	/

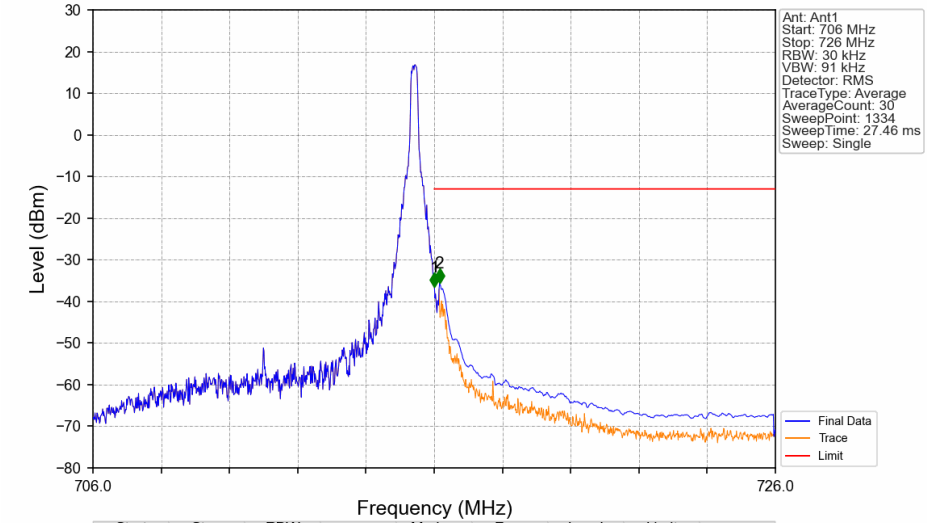
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

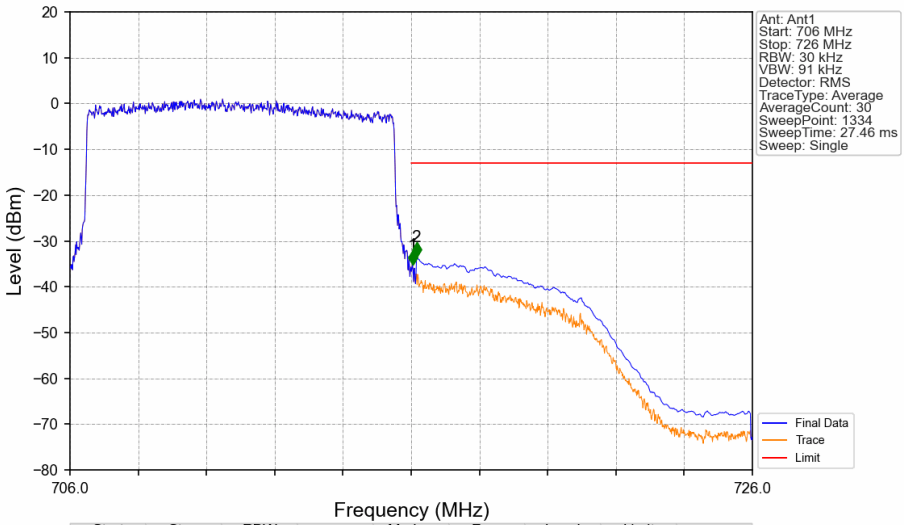


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



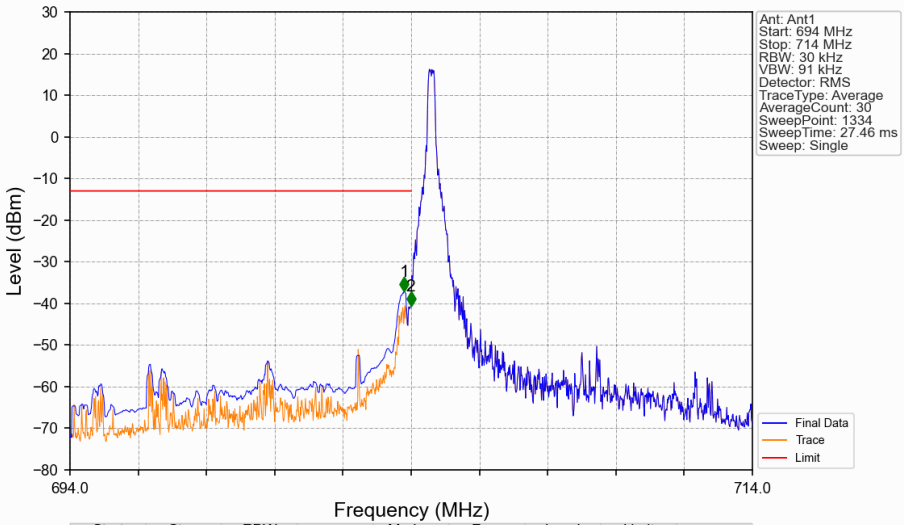
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-36.60	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.65	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



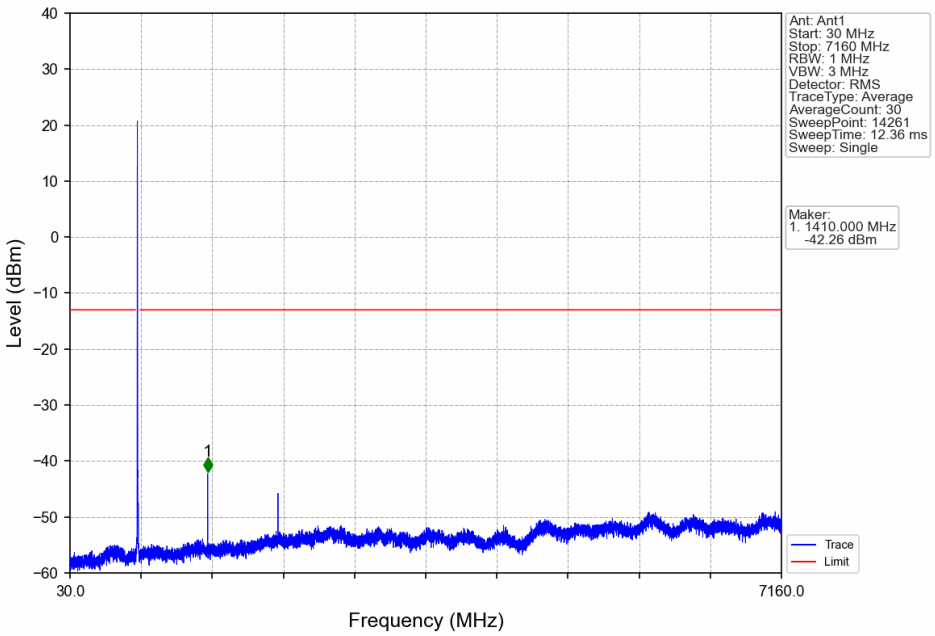
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-35.23	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.43	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

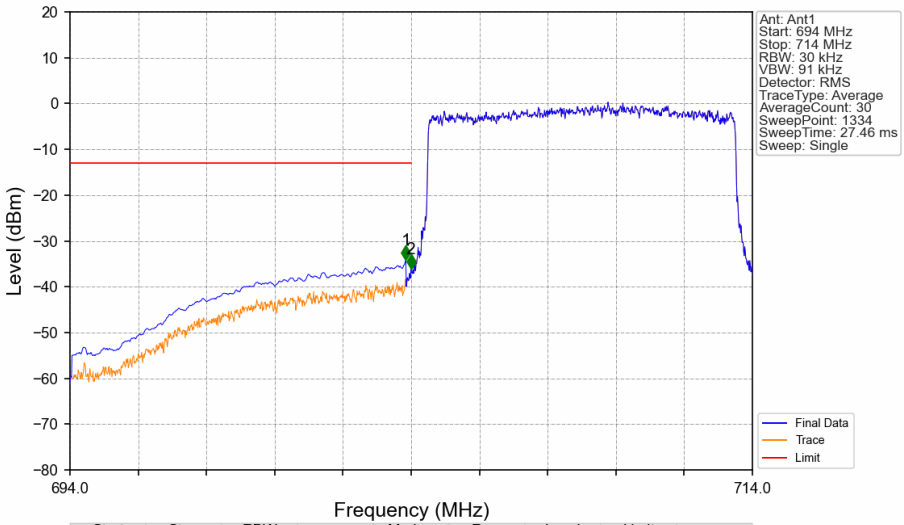


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.797	-37.12	-13	Pass
703.9	704	0.03	/	2	703.992	-40.56	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

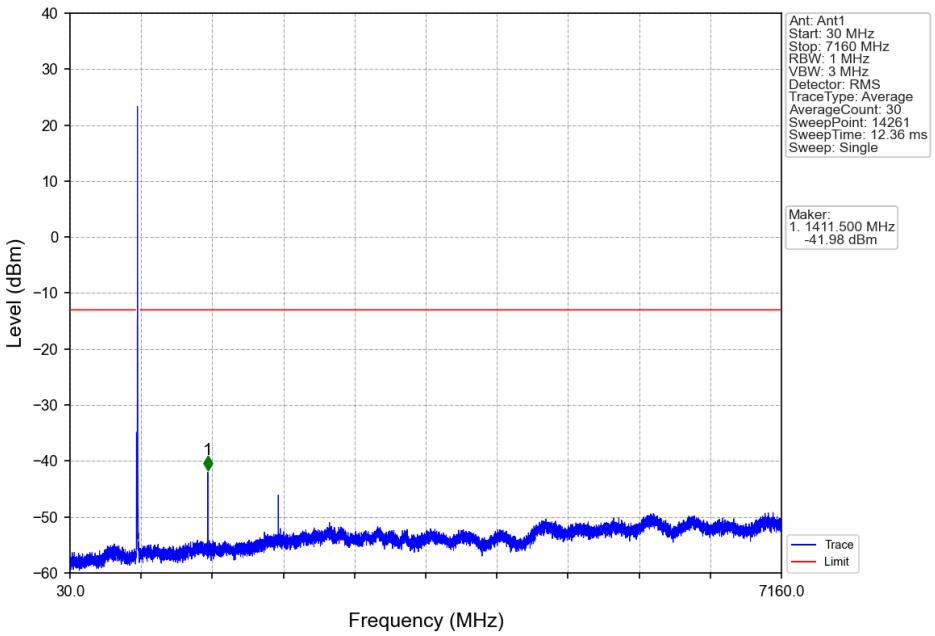


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

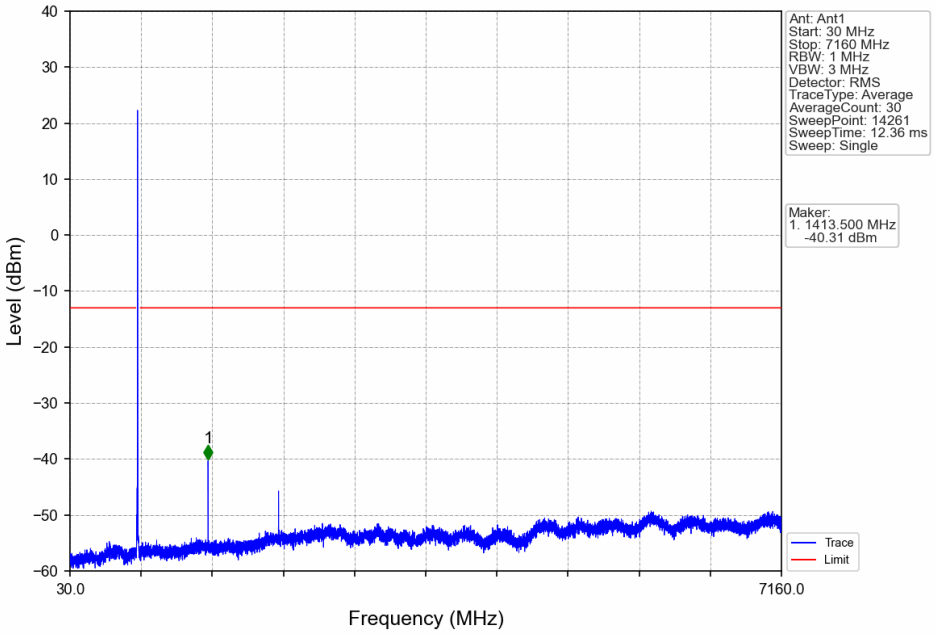


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.22	-13	Pass
703.9	704	0.03	/	2	703.992	-36.05	-13	Pass
704	714	0.03	/	/	/	/	/	/

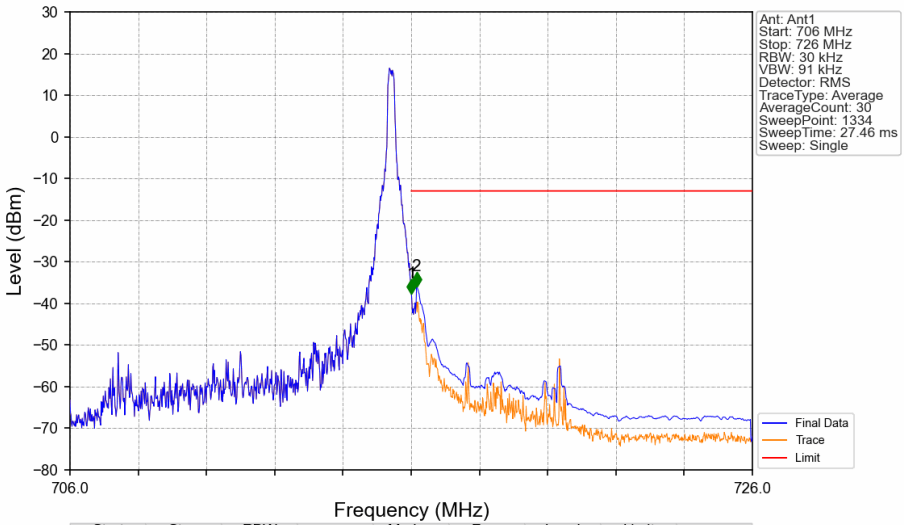
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

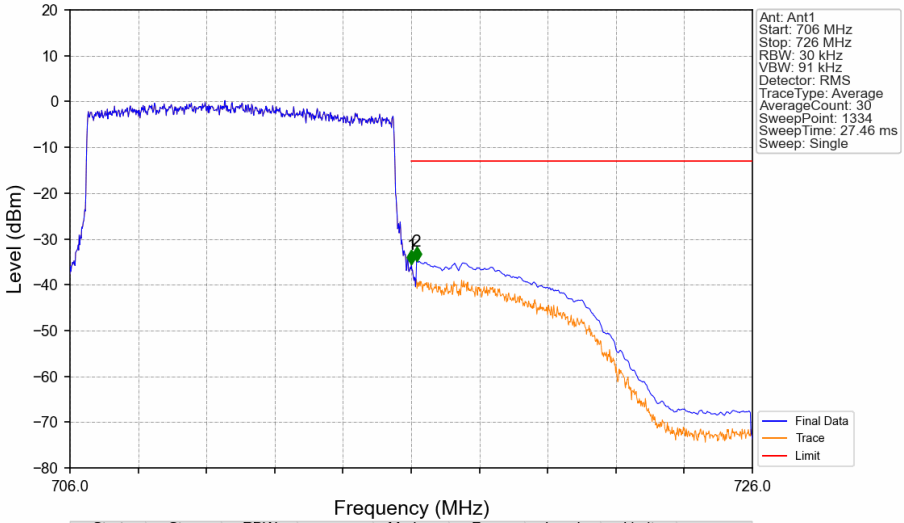


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



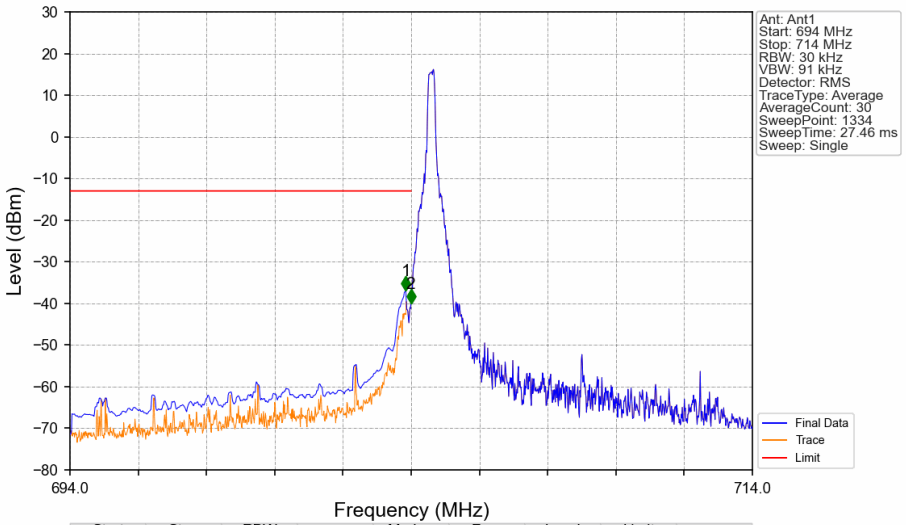
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-37.61	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.87	-13	Pass

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



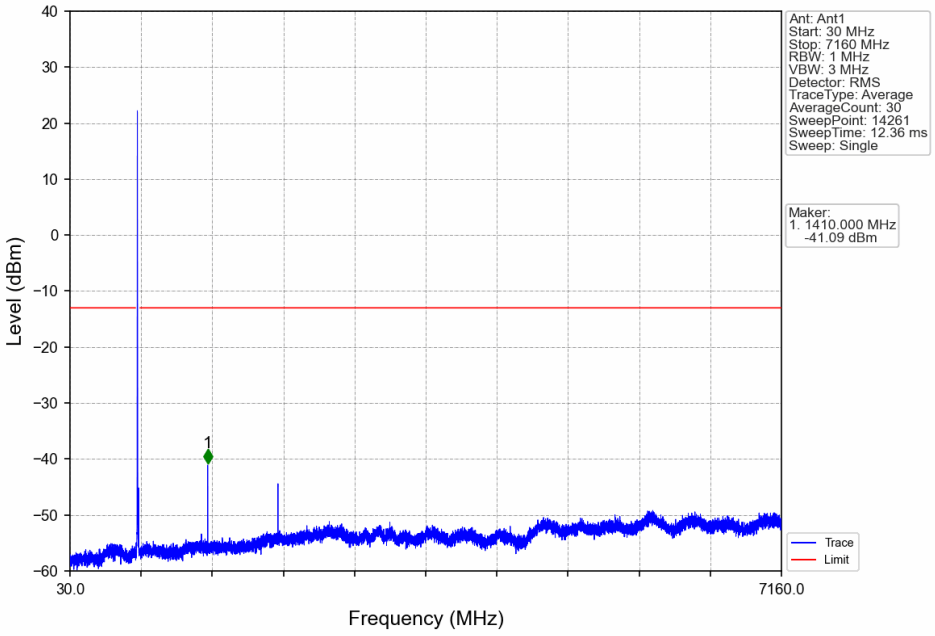
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-35.56	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.89	-13	Pass

Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV

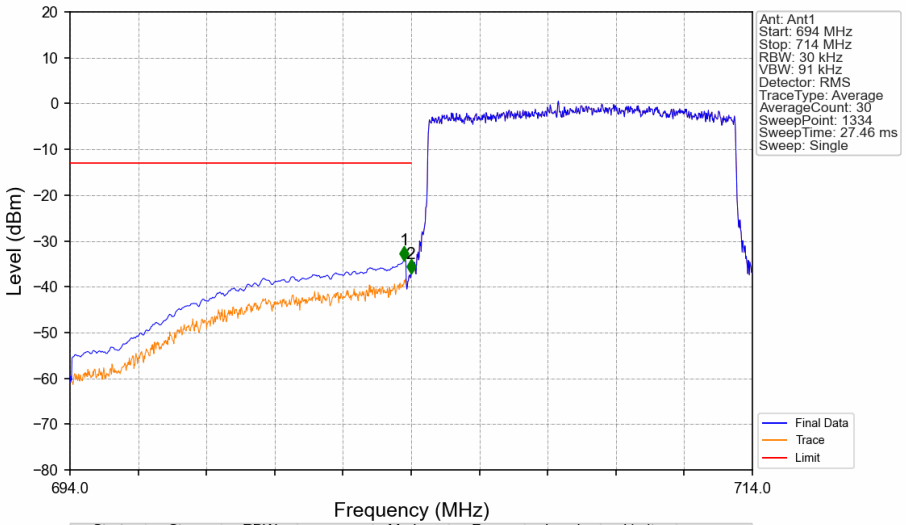


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-36.91	-13	Pass
703.9	704	0.03	/	2	703.992	-40.05	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV

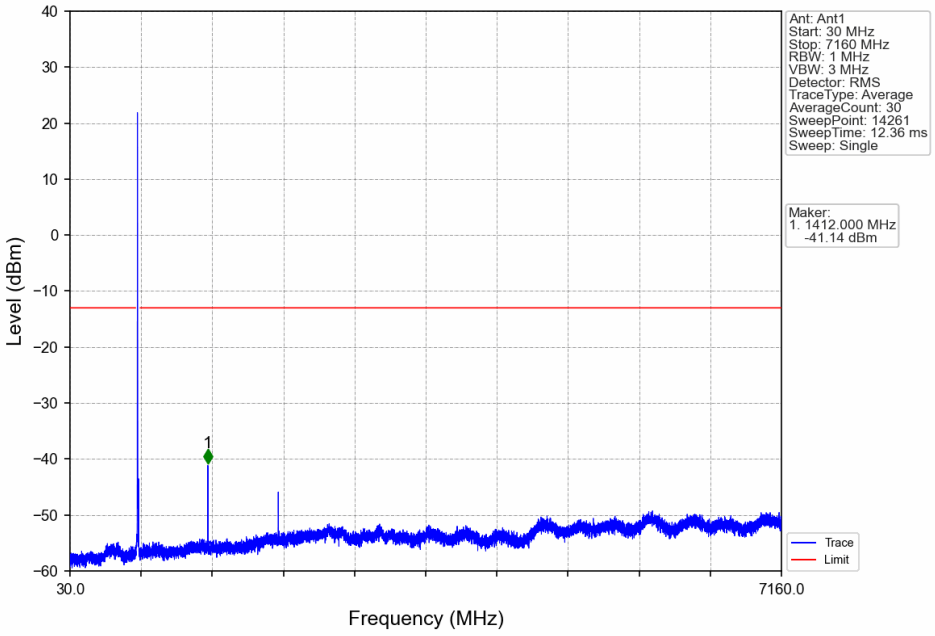


Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV

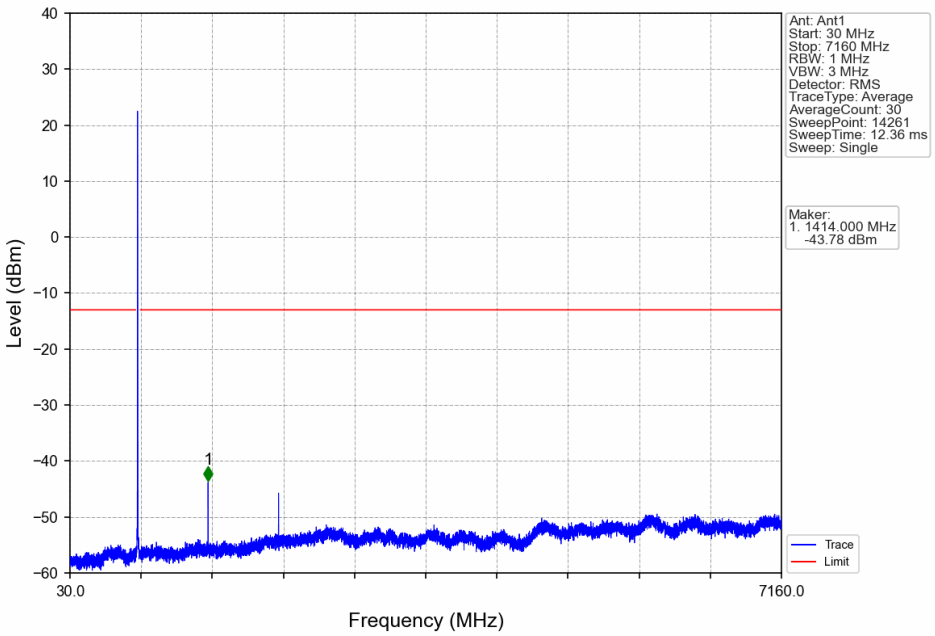


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.797	-34.25	-13	Pass
703.9	704	0.03	/	2	703.992	-37.22	-13	Pass
704	714	0.03	/	/	/	/	/	/

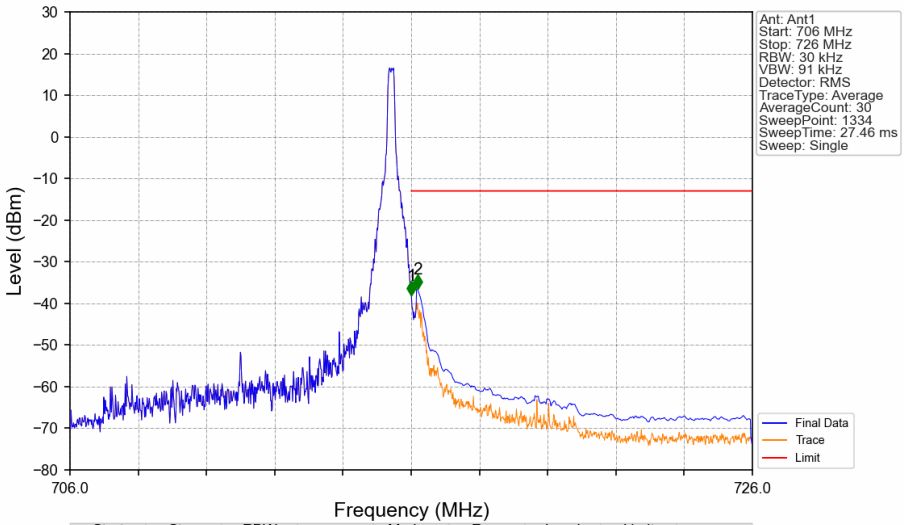
Band17_10MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV

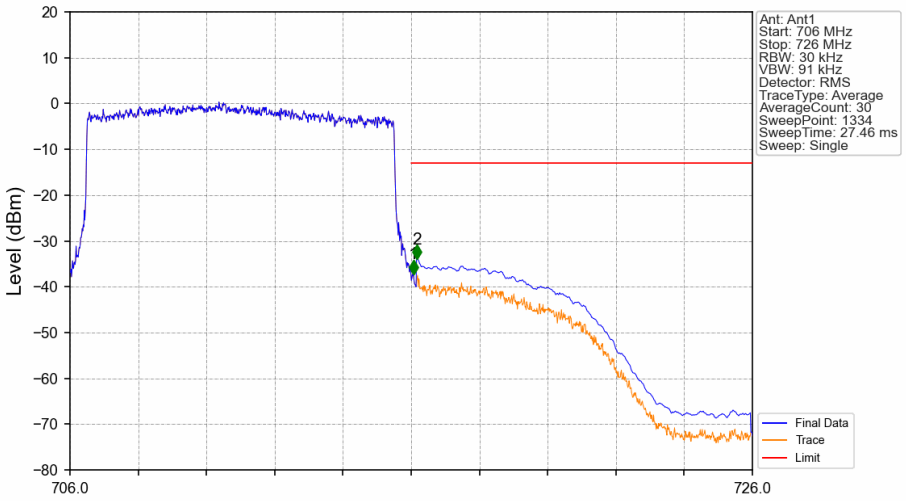


Band17_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV



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	-38.12	-13	Pass
716.1	726	0.1	CHP	2	716.188	-36.58	-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	716.068	-37.24	-13	Pass
716.1	726	0.1	CHP	2	716.173	-33.92	-13	Pass