

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	21.68	-2.50	17.03	<=34.77	Pass
			13	21.88	-2.50	17.23	<=34.77	Pass
			24	21.79	-2.50	17.14	<=34.77	Pass
		12	0	20.70	-2.50	16.05	<=34.77	Pass
			6	20.83	-2.50	16.18	<=34.77	Pass
			13	20.87	-2.50	16.22	<=34.77	Pass
		25	0	20.86	-2.50	16.21	<=34.77	Pass
	710	1	0	21.75	-2.50	17.10	<=34.77	Pass
			13	21.88	-2.50	17.23	<=34.77	Pass
			24	21.77	-2.50	17.12	<=34.77	Pass
		12	0	20.72	-2.50	16.07	<=34.77	Pass
			6	20.85	-2.50	16.20	<=34.77	Pass
			13	20.83	-2.50	16.18	<=34.77	Pass
		25	0	20.81	-2.50	16.16	<=34.77	Pass
	713.5	1	0	21.75	-2.50	17.10	<=34.77	Pass
			13	21.90	-2.50	17.25	<=34.77	Pass
			24	21.80	-2.50	17.15	<=34.77	Pass
		12	0	20.86	-2.50	16.21	<=34.77	Pass
			6	20.87	-2.50	16.22	<=34.77	Pass
			13	20.75	-2.50	16.10	<=34.77	Pass
		25	0	20.82	-2.50	16.17	<=34.77	Pass
16QAM	706.5	1	0	20.91	-2.50	16.26	<=34.77	Pass
			13	21.12	-2.50	16.47	<=34.77	Pass
			24	21.05	-2.50	16.40	<=34.77	Pass
		12	0	19.80	-2.50	15.15	<=34.77	Pass
			6	19.87	-2.50	15.22	<=34.77	Pass
			13	19.90	-2.50	15.25	<=34.77	Pass
		25	0	19.81	-2.50	15.16	<=34.77	Pass
	710	1	0	20.60	-2.50	15.95	<=34.77	Pass
			13	20.74	-2.50	16.09	<=34.77	Pass
			24	20.63	-2.50	15.98	<=34.77	Pass
		12	0	19.78	-2.50	15.13	<=34.77	Pass
			6	19.88	-2.50	15.23	<=34.77	Pass
			13	19.87	-2.50	15.22	<=34.77	Pass
		25	0	19.84	-2.50	15.19	<=34.77	Pass
	713.5	1	0	20.82	-2.50	16.17	<=34.77	Pass
			13	20.94	-2.50	16.29	<=34.77	Pass
			24	20.84	-2.50	16.19	<=34.77	Pass
		12	0	19.81	-2.50	15.16	<=34.77	Pass
			6	19.90	-2.50	15.25	<=34.77	Pass
			13	19.76	-2.50	15.11	<=34.77	Pass
		25	0	19.86	-2.50	15.21	<=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	21.75	-2.50	17.10	<=34.77	Pass
			25	22.03	-2.50	17.38	<=34.77	Pass
			49	21.91	-2.50	17.26	<=34.77	Pass
		25	0	20.80	-2.50	16.15	<=34.77	Pass
			13	20.94	-2.50	16.29	<=34.77	Pass
			25	21.02	-2.50	16.37	<=34.77	Pass
		50	0	20.90	-2.50	16.25	<=34.77	Pass
	710	1	0	21.71	-2.50	17.06	<=34.77	Pass
			25	21.97	-2.50	17.32	<=34.77	Pass
			49	21.87	-2.50	17.22	<=34.77	Pass
		25	0	20.73	-2.50	16.08	<=34.77	Pass
			13	20.89	-2.50	16.24	<=34.77	Pass
			25	20.89	-2.50	16.24	<=34.77	Pass
		50	0	20.85	-2.50	16.20	<=34.77	Pass
	711	1	0	21.79	-2.50	17.14	<=34.77	Pass
			25	21.96	-2.50	17.31	<=34.77	Pass
			49	21.94	-2.50	17.29	<=34.77	Pass
		25	0	20.78	-2.50	16.13	<=34.77	Pass
			13	20.91	-2.50	16.26	<=34.77	Pass
			25	20.85	-2.50	16.20	<=34.77	Pass
		50	0	20.81	-2.50	16.16	<=34.77	Pass
16QAM	709	1	0	20.84	-2.50	16.19	<=34.77	Pass
			25	21.16	-2.50	16.51	<=34.77	Pass
			49	21.06	-2.50	16.41	<=34.77	Pass
		25	0	19.81	-2.50	15.16	<=34.77	Pass
			13	19.95	-2.50	15.30	<=34.77	Pass
			25	20.01	-2.50	15.36	<=34.77	Pass
		50	0	19.93	-2.50	15.28	<=34.77	Pass
	710	1	0	21.21	-2.50	16.56	<=34.77	Pass
			25	21.57	-2.50	16.92	<=34.77	Pass
			49	21.37	-2.50	16.72	<=34.77	Pass
		25	0	19.79	-2.50	15.14	<=34.77	Pass
			13	19.94	-2.50	15.29	<=34.77	Pass
			25	19.94	-2.50	15.29	<=34.77	Pass
		50	0	19.85	-2.50	15.20	<=34.77	Pass
	711	1	0	20.75	-2.50	16.10	<=34.77	Pass
			25	20.99	-2.50	16.34	<=34.77	Pass
			49	20.87	-2.50	16.22	<=34.77	Pass
		25	0	19.82	-2.50	15.17	<=34.77	Pass
13			19.99	-2.50	15.34	<=34.77	Pass	
25			19.93	-2.50	15.28	<=34.77	Pass	
50		0	19.85	-2.50	15.20	<=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	-9.928	-0.0141	-2.5 to 2.5	Pass
					3.85	-6.208	-0.0088	-2.5 to 2.5	Pass
					4.43	-7.310	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-9.999	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-5.436	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-8.698	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-4.220	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-5.894	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-7.868	-0.0111	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-3.390	-0.0048	-2.5 to 2.5	Pass
					3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
					4.43	-7.124	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-1.802	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-3.433	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-3.419	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-9.198	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-2.975	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-2.503	-0.0035	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.636	-0.0079	-2.5 to 2.5	Pass
					3.85	-7.052	-0.0099	-2.5 to 2.5	Pass
					4.43	-10.142	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	-9.313	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-7.181	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-10.357	-0.0145	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-9.942	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-8.912	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-8.984	-0.0126	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-8.140	-0.0115	-2.5 to 2.5	Pass
					3.85	-5.708	-0.0081	-2.5 to 2.5	Pass
					4.43	-6.795	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-9.356	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-7.682	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-5.622	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-7.010	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0075	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-4.234	-0.0060	-2.5 to 2.5	Pass
					3.85	-6.309	-0.0089	-2.5 to 2.5	Pass

					4.43	-1.359	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-10.171	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-5.922	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-4.606	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-9.799	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-8.912	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-3.519	-0.0050	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.507	-0.0077	-2.5 to 2.5	Pass
					3.85	-5.007	-0.0070	-2.5 to 2.5	Pass
					4.43	-7.653	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-9.527	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-8.483	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-7.367	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-8.240	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-10.772	-0.0151	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-8.826	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-9.799	-0.0137	-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	-6.022	-0.0085	-2.5 to 2.5	Pass
					3.85	-6.709	-0.0095	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-6.137	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-7.181	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-6.852	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-9.413	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-5.479	-0.0077	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-5.279	-0.0074	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0096	-2.5 to 2.5	Pass
					4.43	-6.981	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-6.781	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-5.693	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-6.409	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-6.738	-0.0095	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.896	-0.0111	-2.5 to 2.5	Pass
					3.85	-6.809	-0.0096	-2.5 to 2.5	Pass
					4.43	-7.281	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-6.037	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-4.663	-0.0066	-2.5 to 2.5	Pass

16QAM	709	50	0	-10	3.85	0.944	0.0013	-2.5 to 2.5	Pass
				0	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-6.809	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.623	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.462	-0.0049	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-8.469	-0.0119	-2.5 to 2.5	Pass
					3.85	-3.963	-0.0056	-2.5 to 2.5	Pass
					4.43	-2.818	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-8.655	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-7.639	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-9.398	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-4.749	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-5.293	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-7.038	-0.0099	-2.5 to 2.5	Pass
				20	3.27	-5.436	-0.0077	-2.5 to 2.5	Pass
					3.85	-7.424	-0.0105	-2.5 to 2.5	Pass
					4.43	-8.798	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-8.340	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
	711	50	0	-10	3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-7.639	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-7.811	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-7.353	-0.0104	-2.5 to 2.5	Pass
				20	3.27	-7.882	-0.0111	-2.5 to 2.5	Pass
					3.85	-7.138	-0.0100	-2.5 to 2.5	Pass
					4.43	-8.326	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-3.090	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-9.227	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-5.937	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-5.336	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-5.436	-0.0076	-2.5 to 2.5	Pass

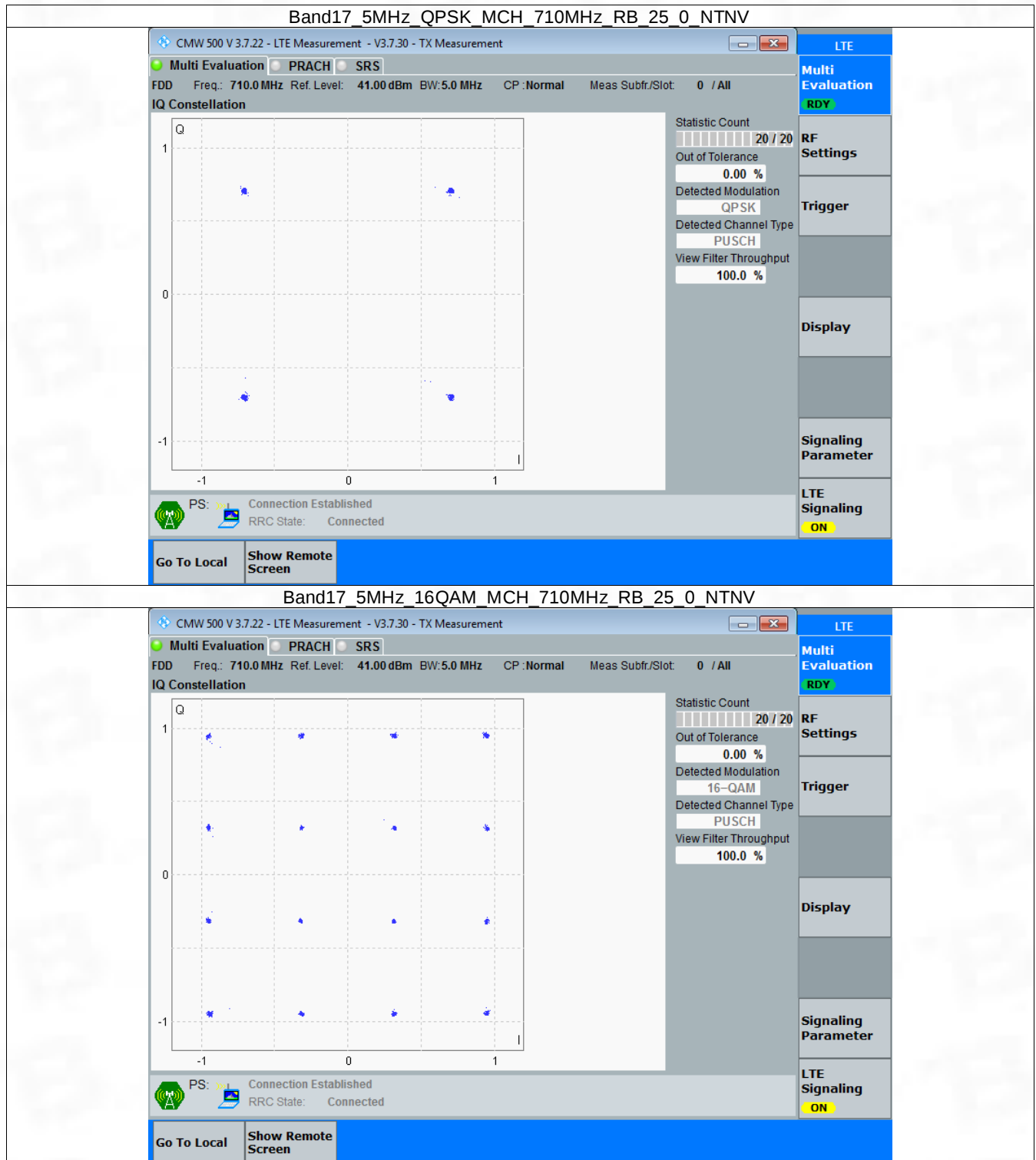
3. Modulation Characteristics

3.1 B17_5MHz

3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

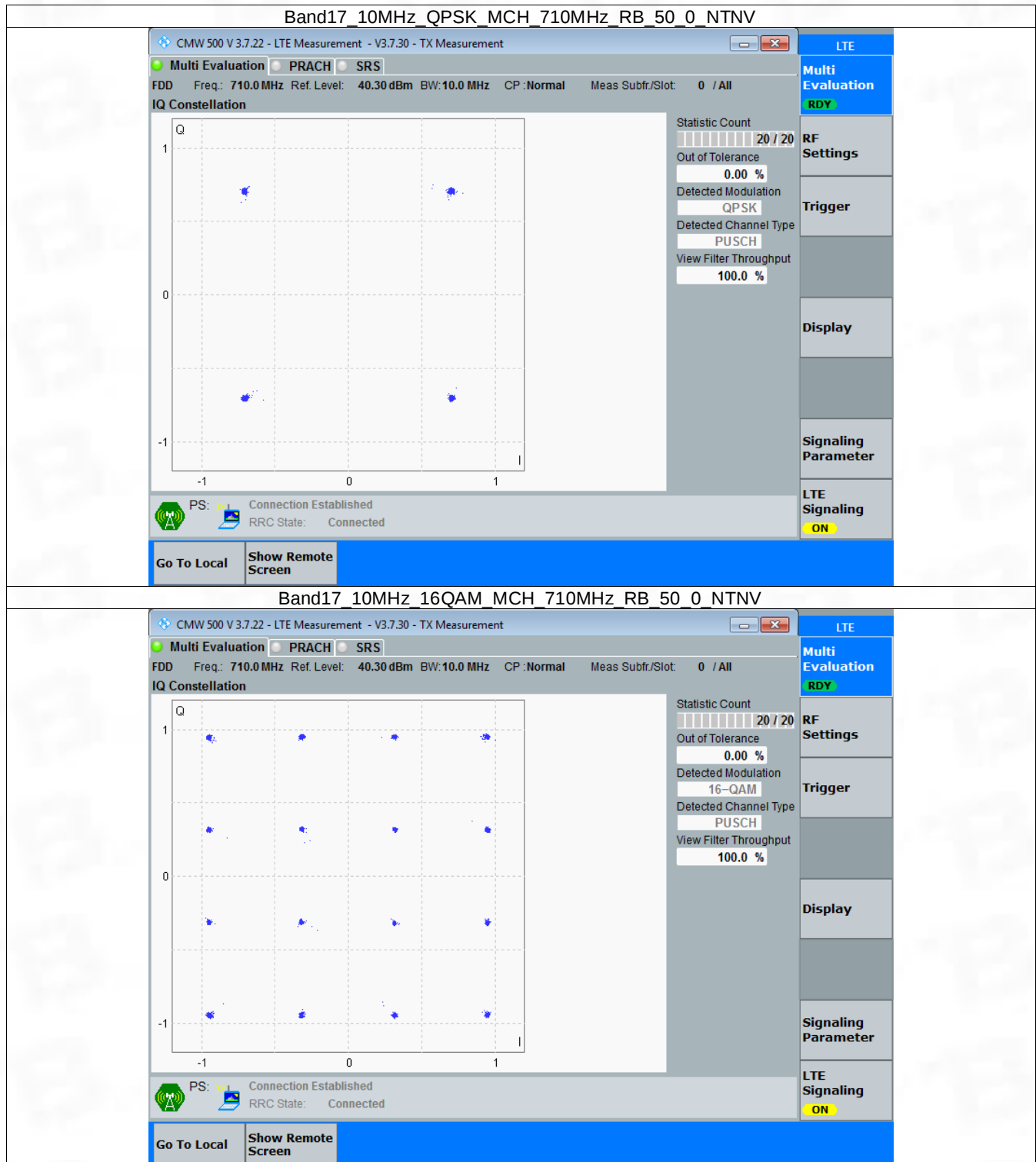


3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph



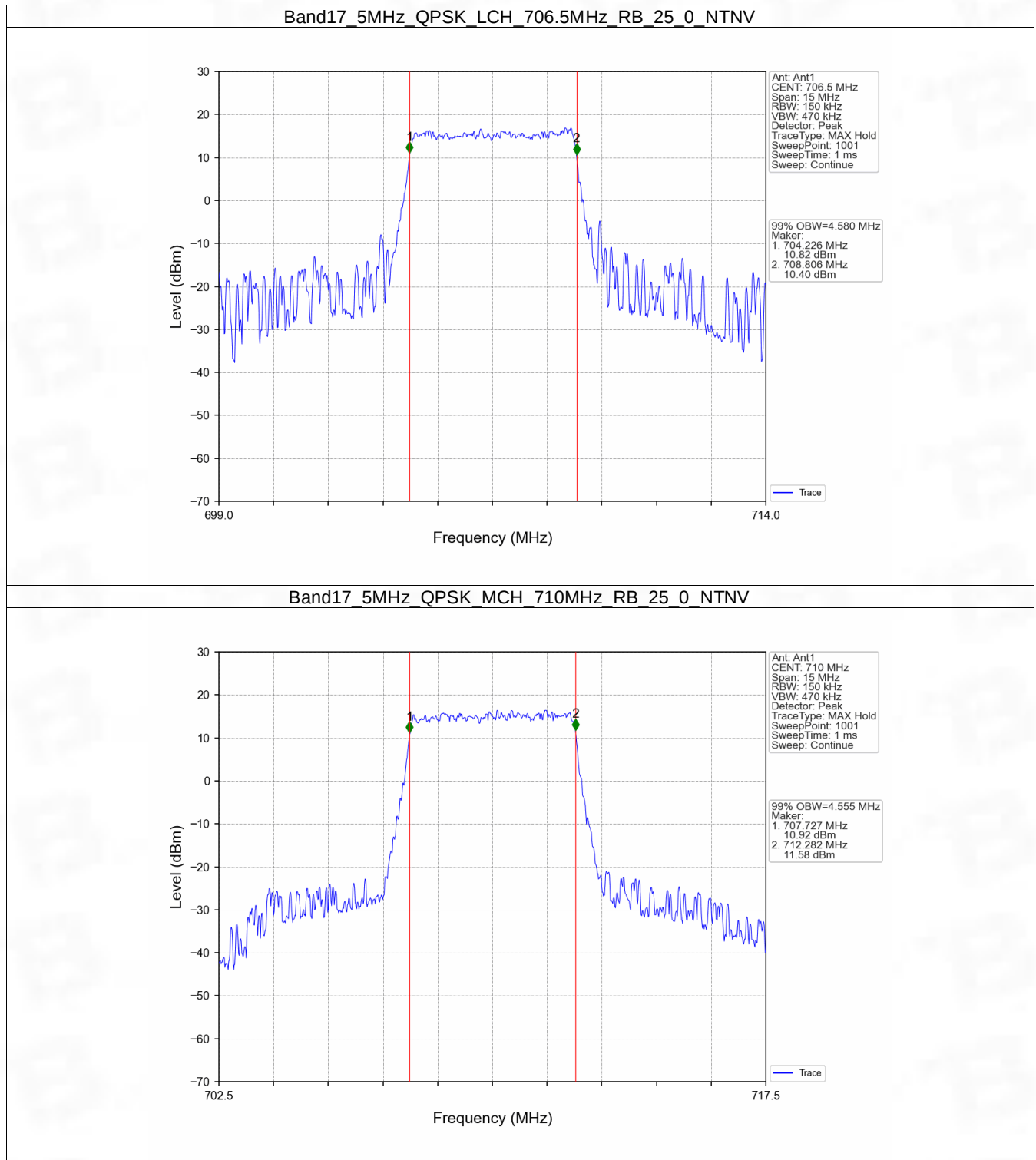
4. 99% & 26dB Bandwidth

4.1 Band17_OBW

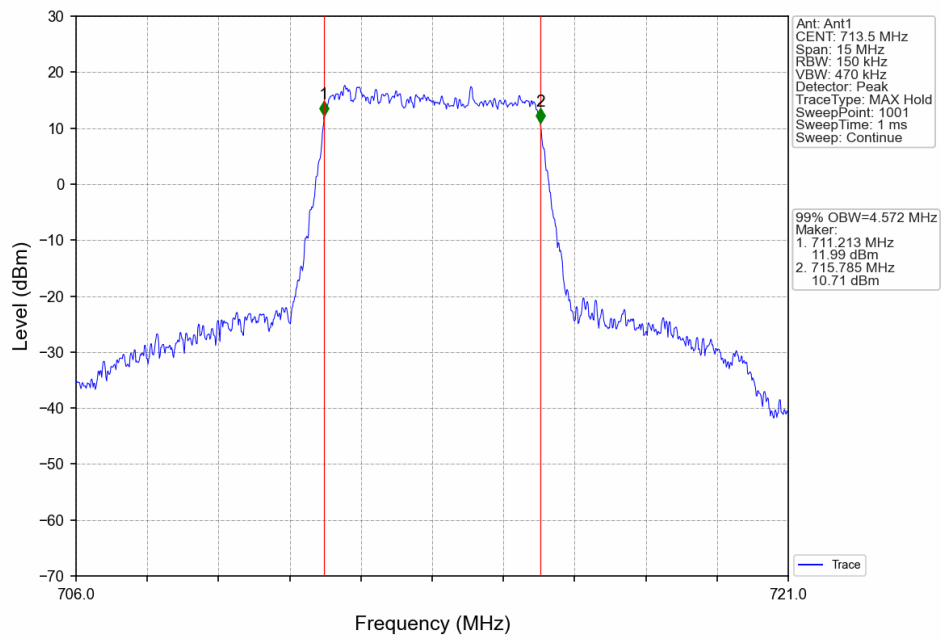
4.1.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.580	Pass
		710	25	0	4.555	Pass
		713.5	25	0	4.572	Pass
	16QAM	706.5	25	0	4.574	Pass
		710	25	0	4.570	Pass
		713.5	25	0	4.549	Pass
10	QPSK	709	50	0	9.086	Pass
		710	50	0	9.040	Pass
		711	50	0	9.056	Pass
	16QAM	709	50	0	9.072	Pass
		710	50	0	9.045	Pass
		711	50	0	9.042	Pass

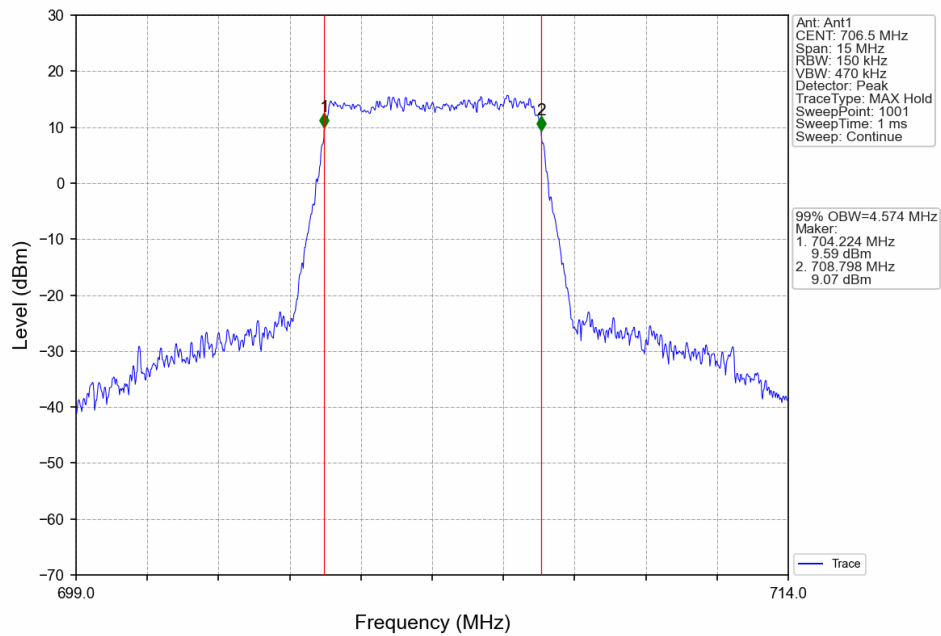
4.1.2 Test Graph



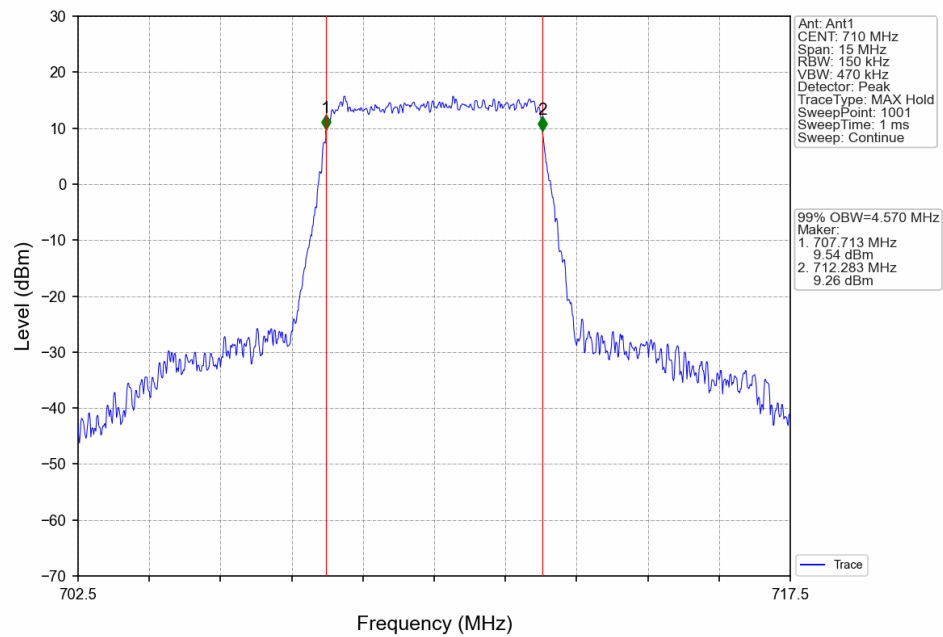
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



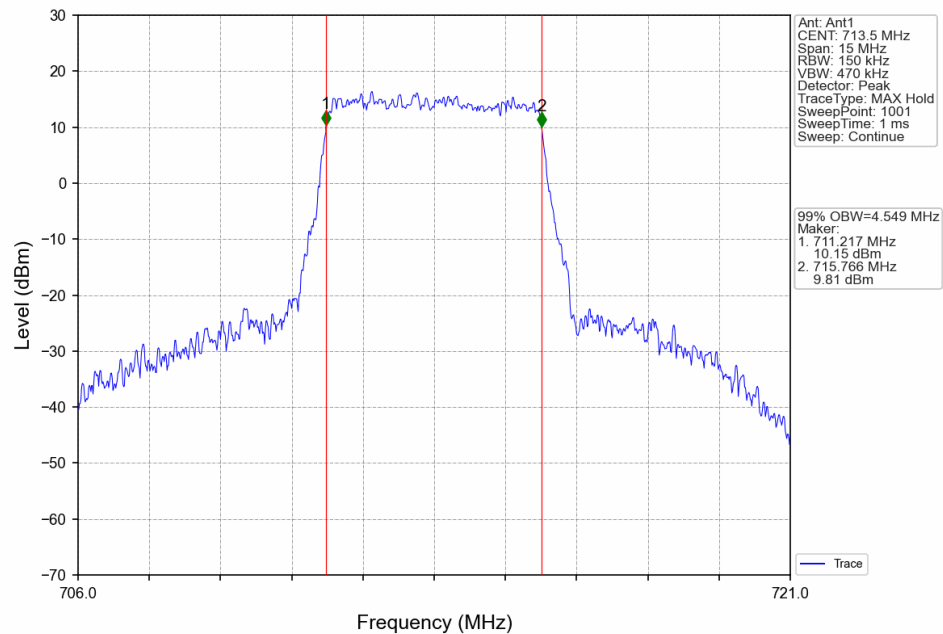
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



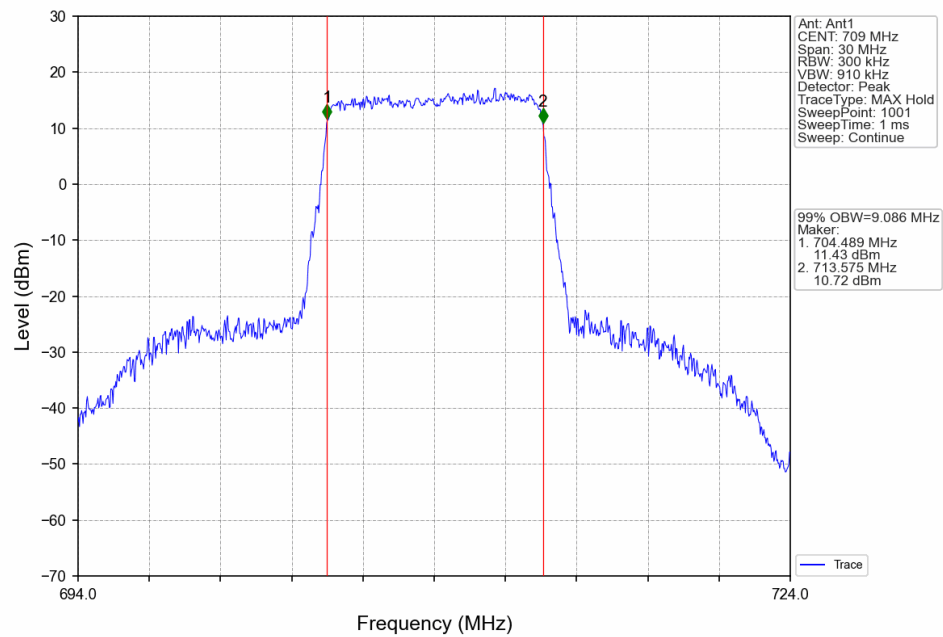
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



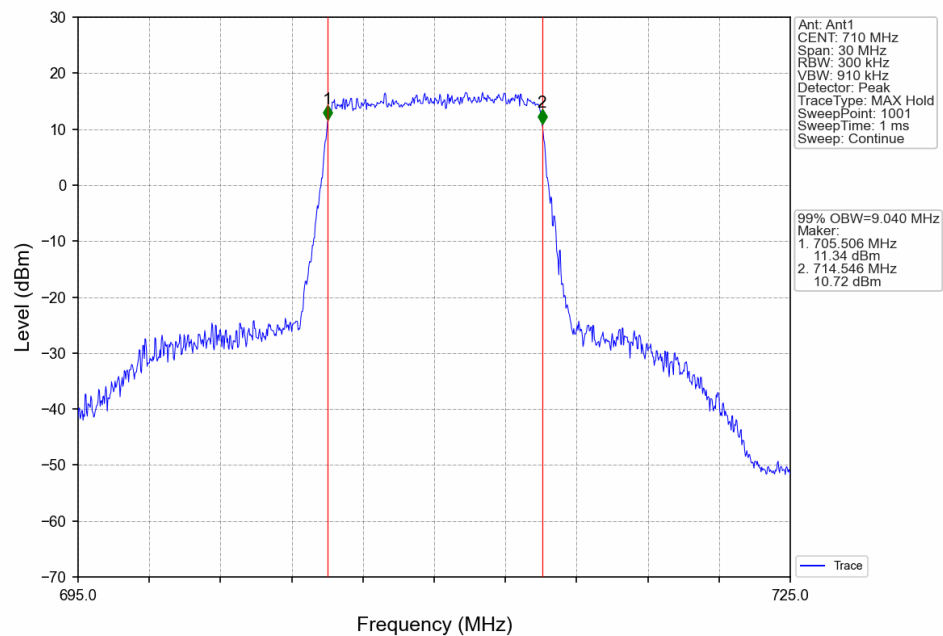
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



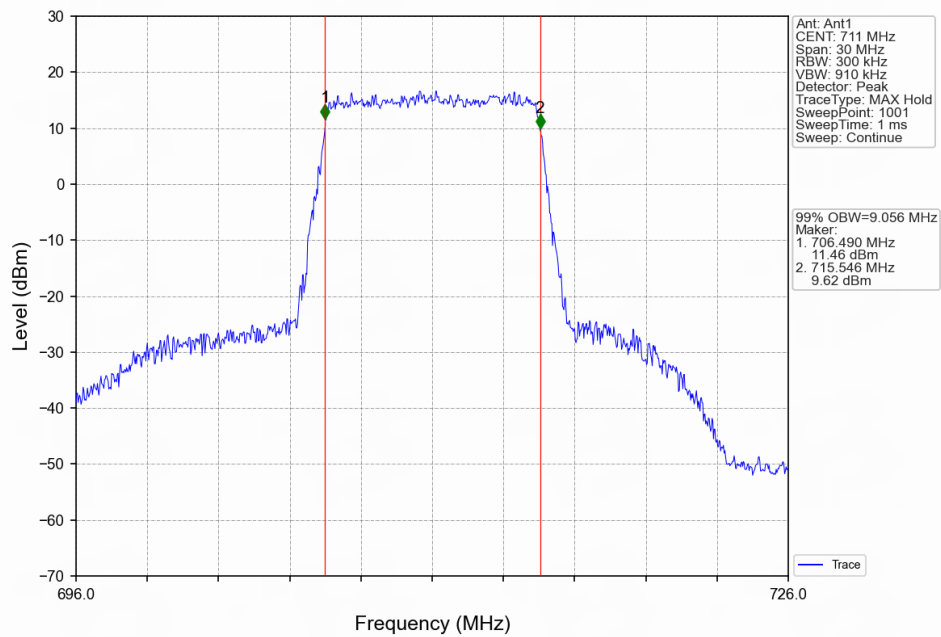
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



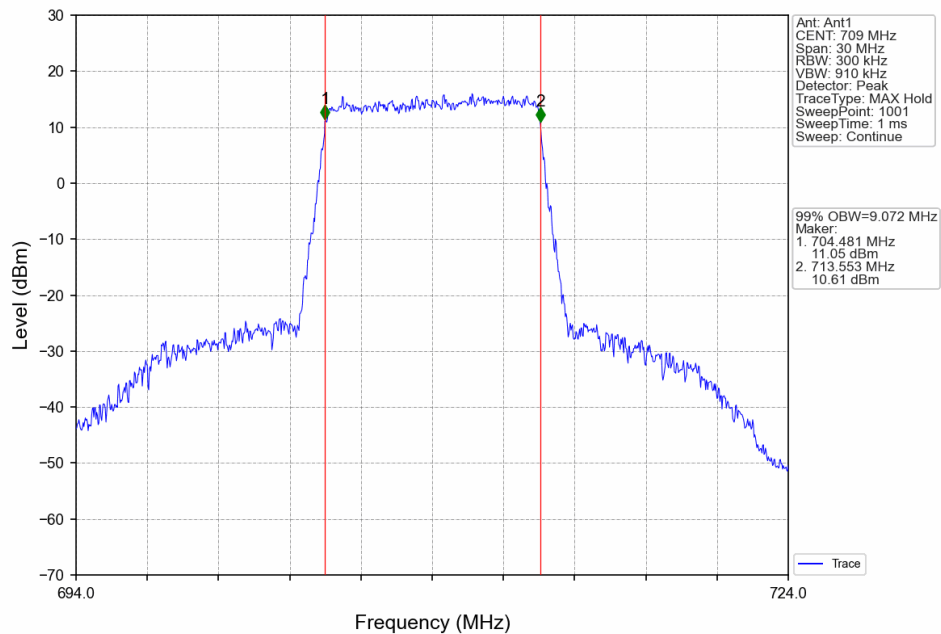
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



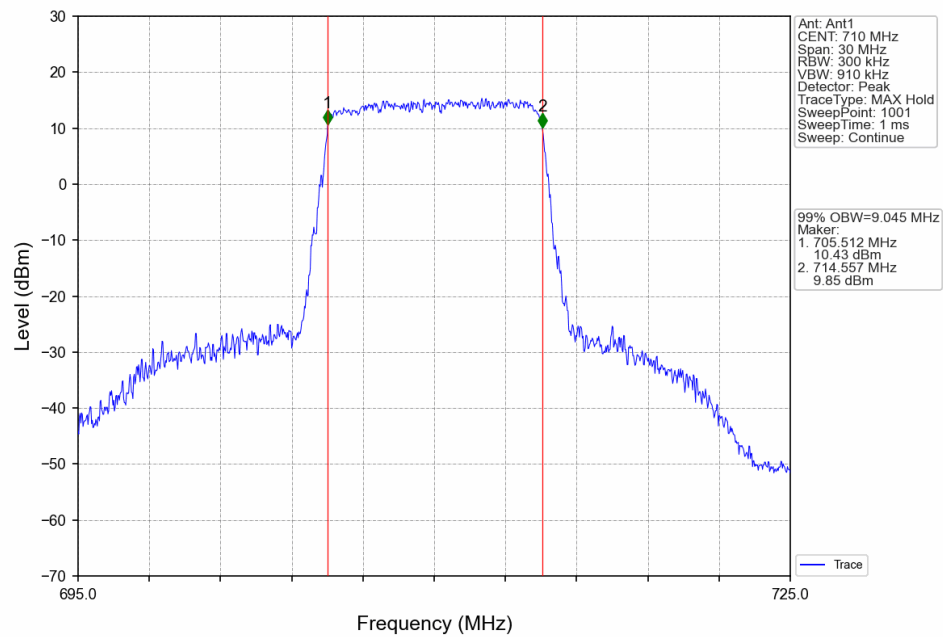
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



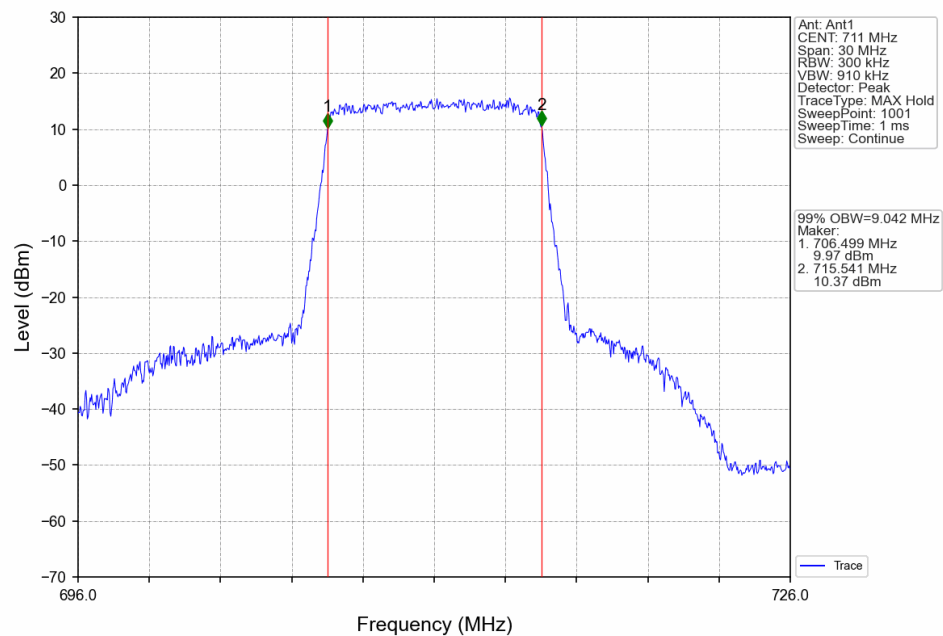
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

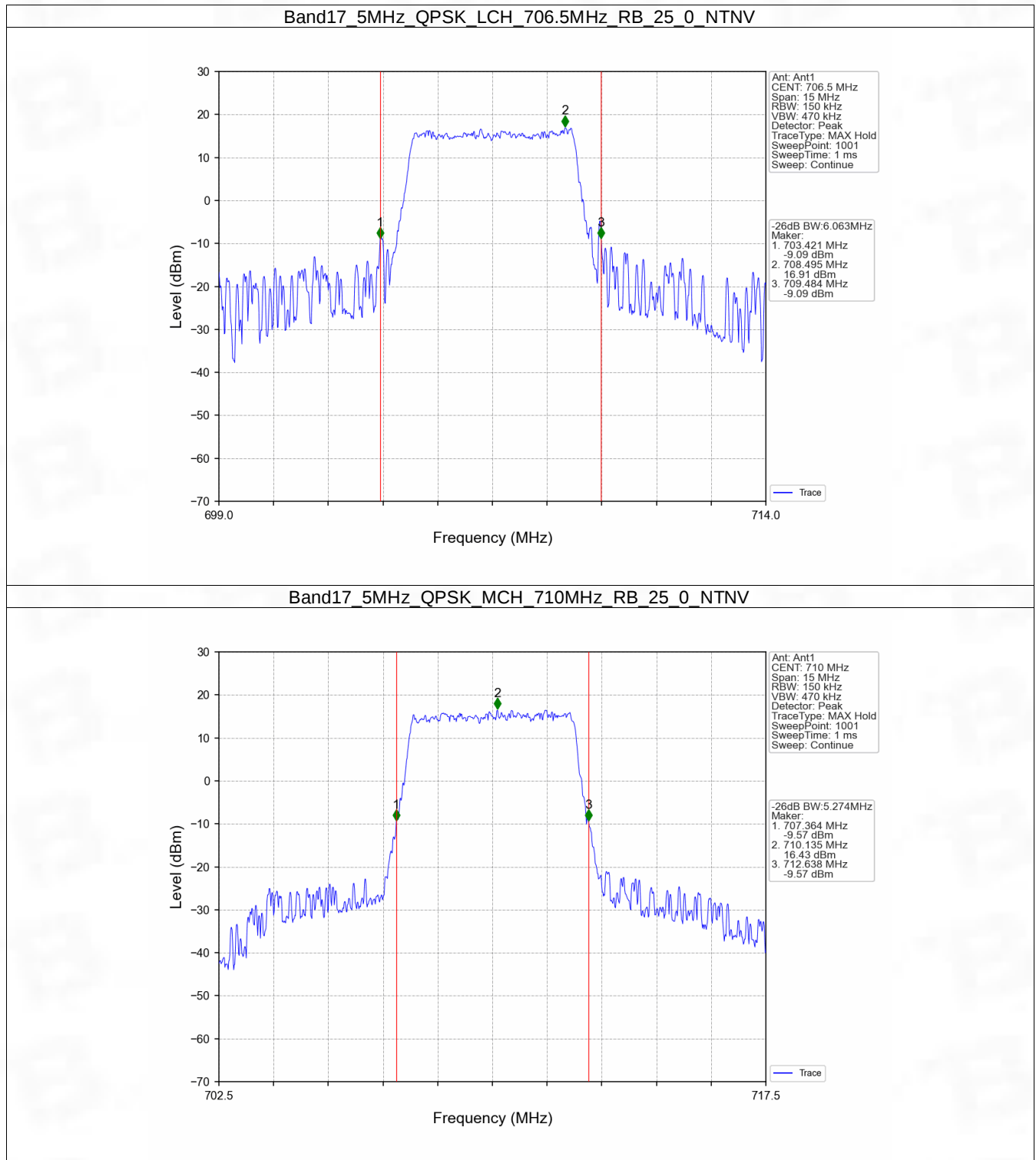


4.2 Band17_XDB

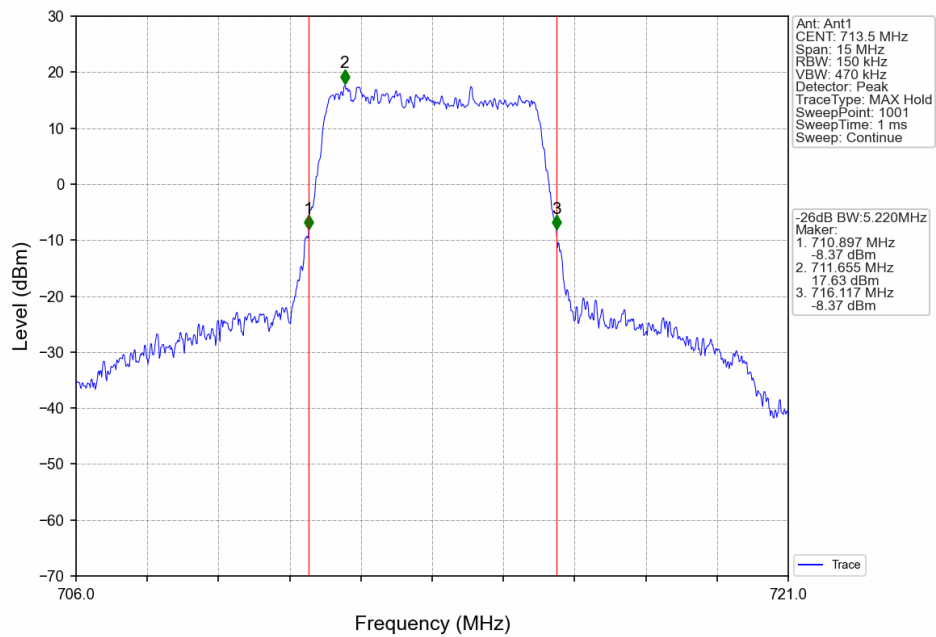
4.2.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	6.063	Pass
		710	25	0	5.274	Pass
		713.5	25	0	5.220	Pass
	16QAM	706.5	25	0	5.329	Pass
		710	25	0	5.242	Pass
		713.5	25	0	5.241	Pass
10	QPSK	709	50	0	10.309	Pass
		710	50	0	10.182	Pass
		711	50	0	10.373	Pass
	16QAM	709	50	0	10.313	Pass
		710	50	0	10.184	Pass
		711	50	0	10.213	Pass

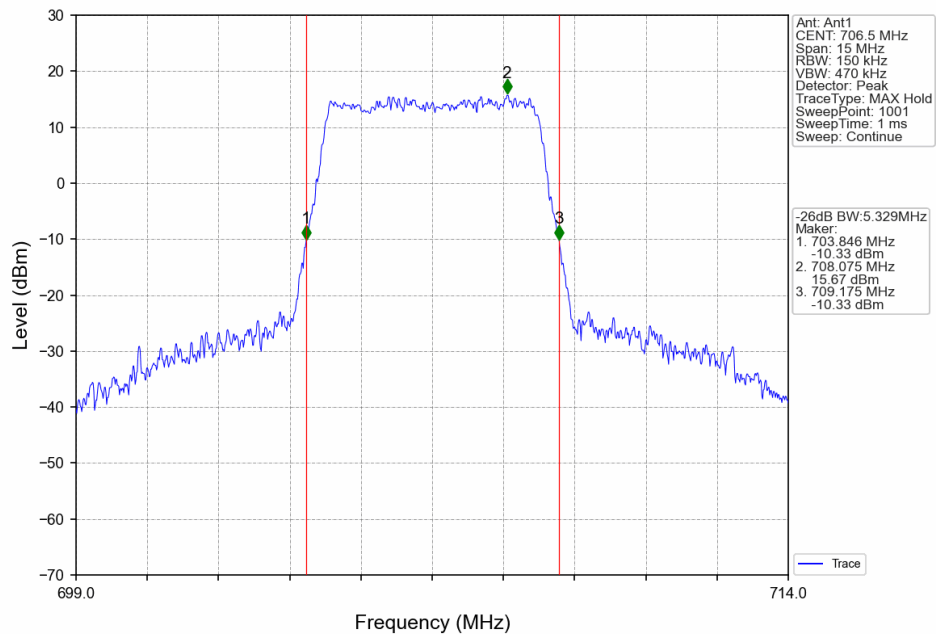
4.2.2 Test Graph



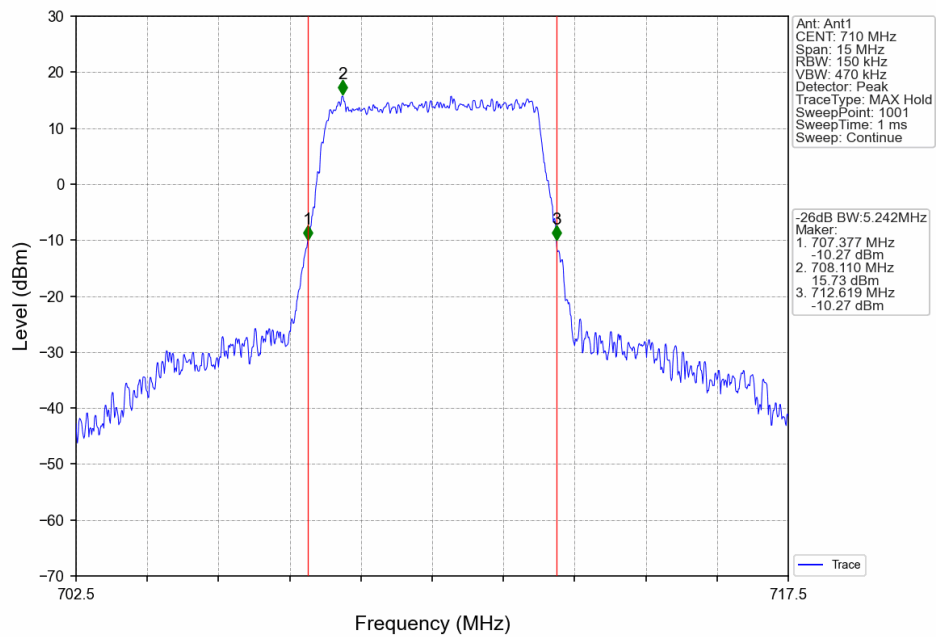
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



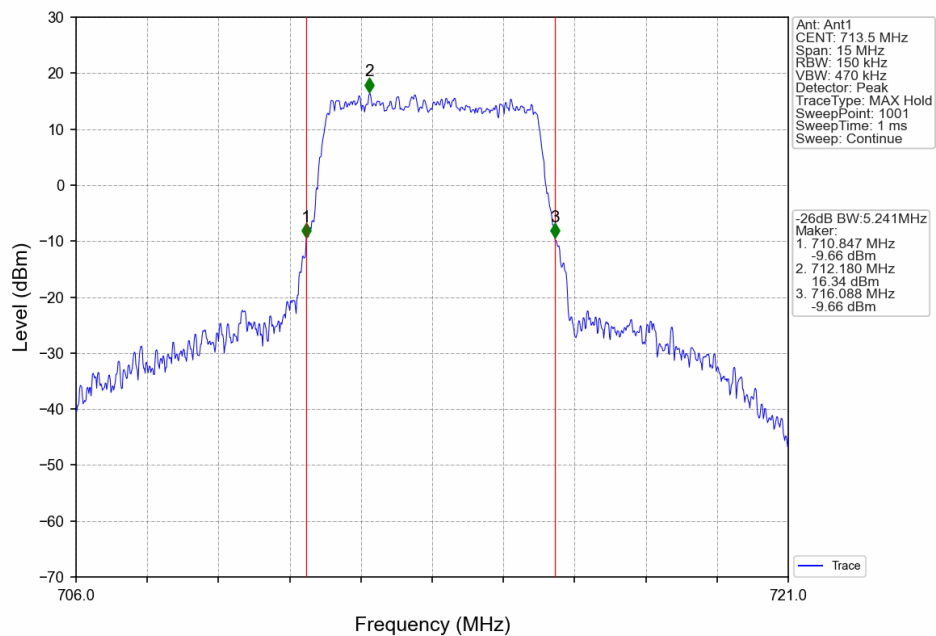
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



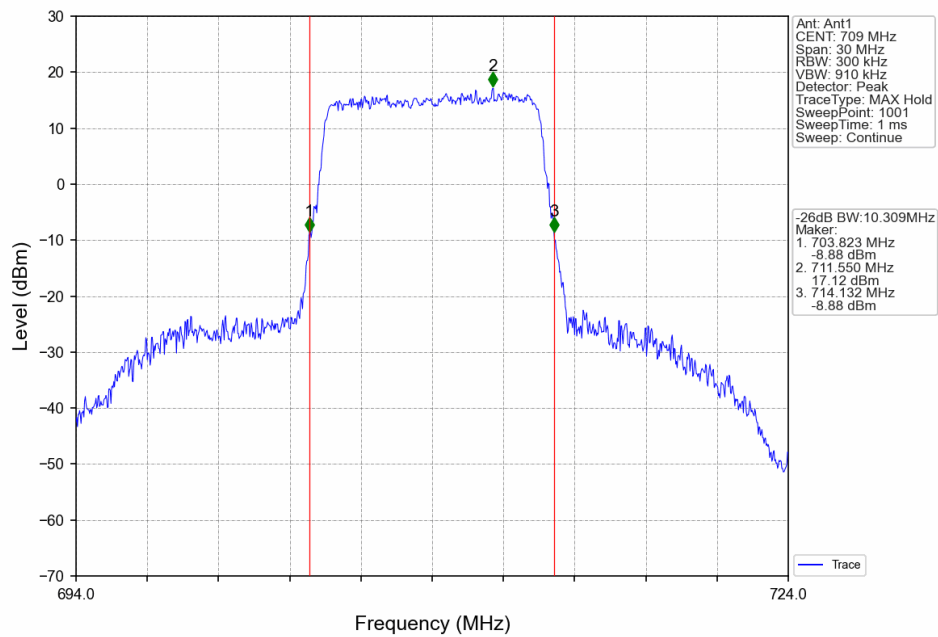
Band17 5MHz 16QAM_MCH 710MHz RB 25 0 NTNV



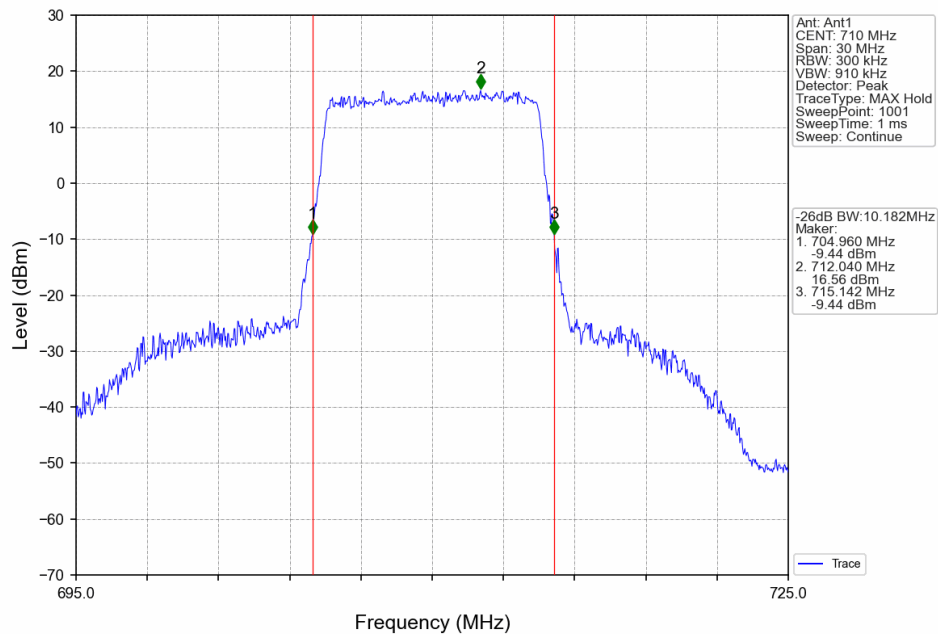
Band17 5MHz 16QAM_HCH 713.5MHz RB 25 0 NTNV



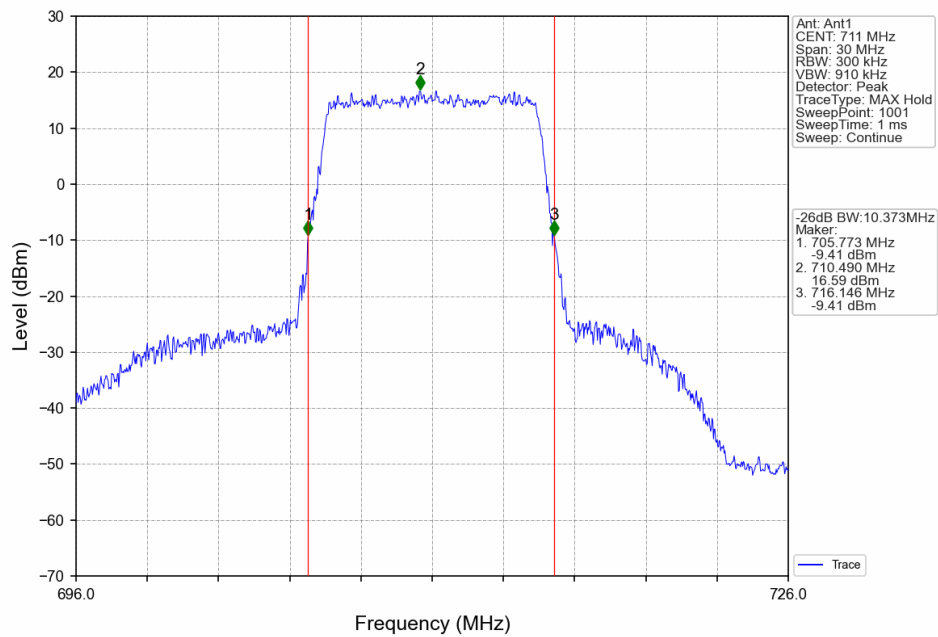
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



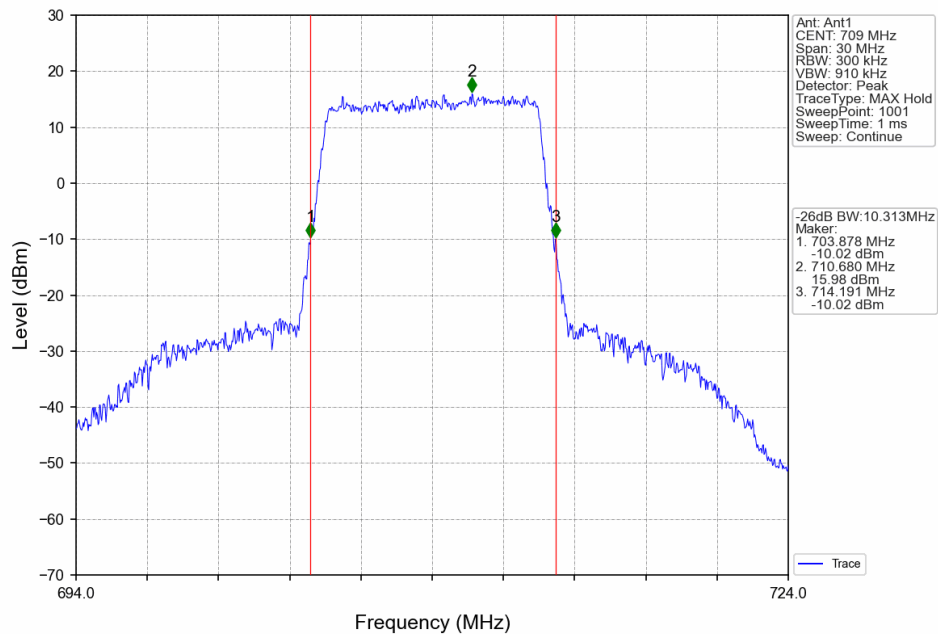
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



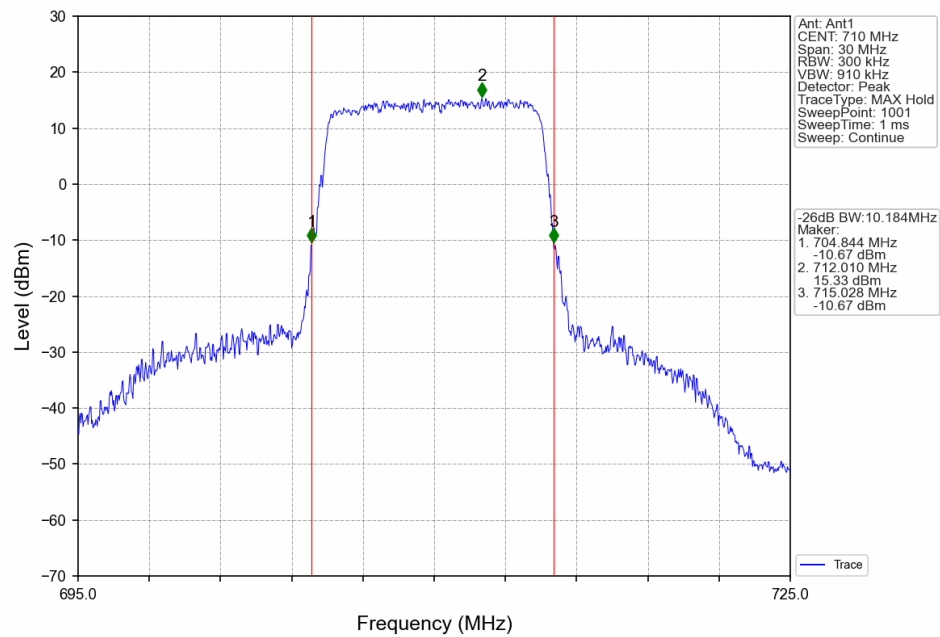
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



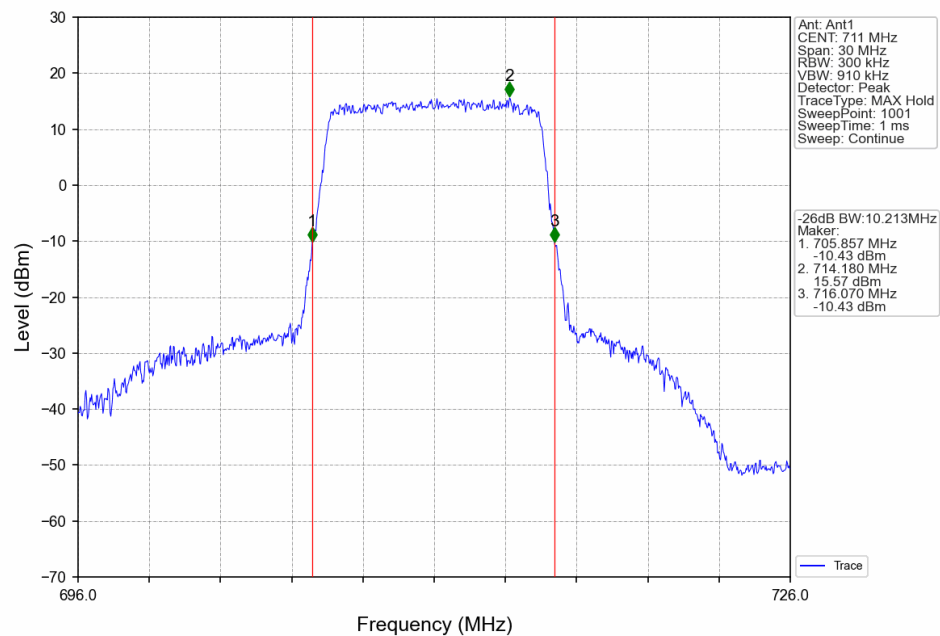
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



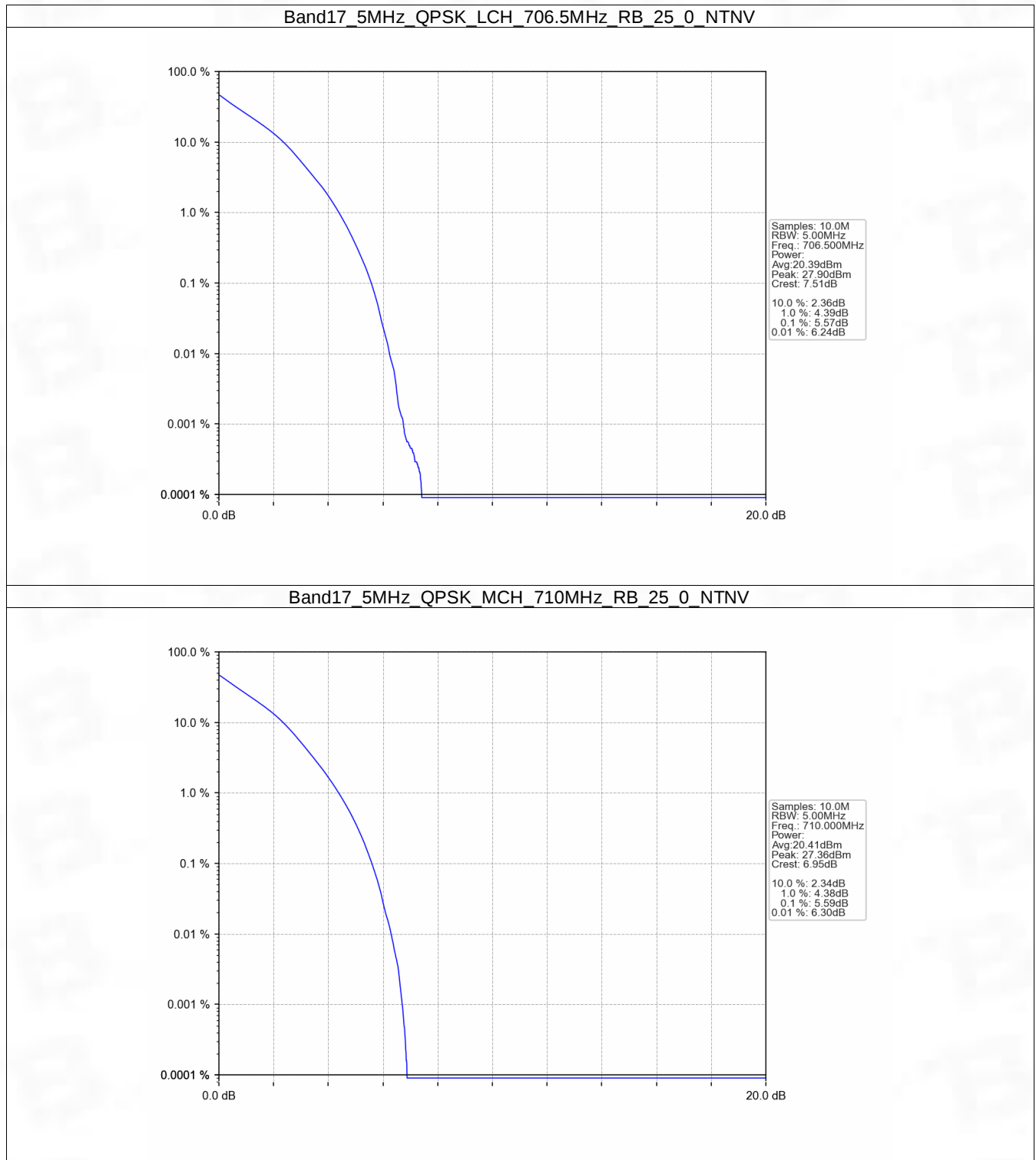
5. Peak-Average Ratio

5.1 B17_5MHz

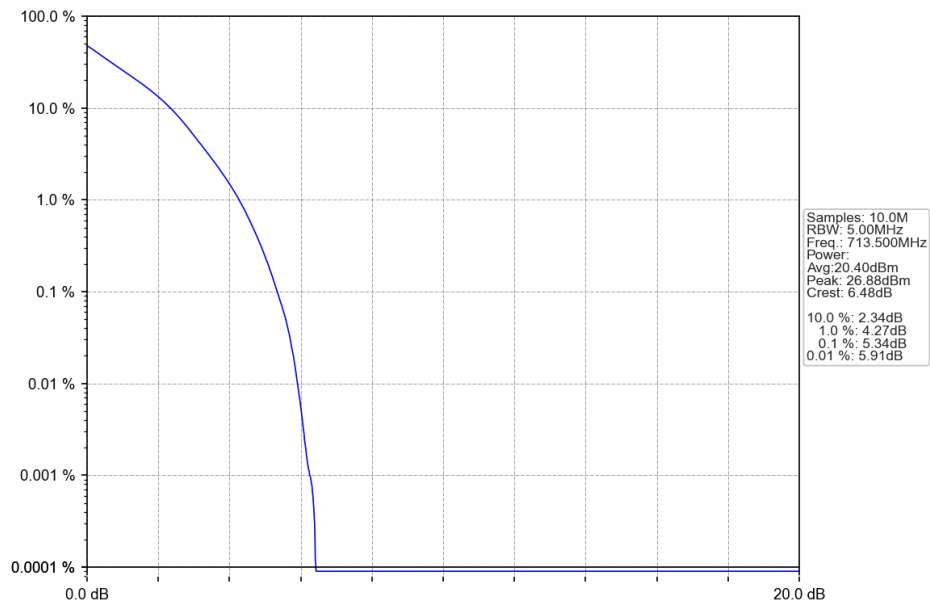
5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.57	<=13	Pass
	710	25	0	5.59	<=13	Pass
	713.5	25	0	5.34	<=13	Pass
16QAM	706.5	25	0	6.23	<=13	Pass
	710	25	0	6.23	<=13	Pass
	713.5	25	0	6.06	<=13	Pass

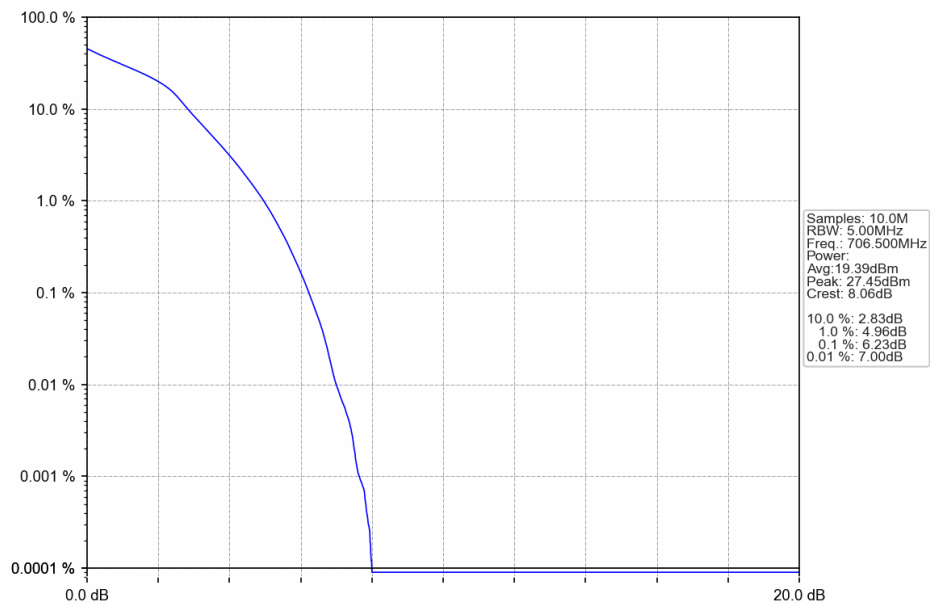
5.1.2 Test Graph



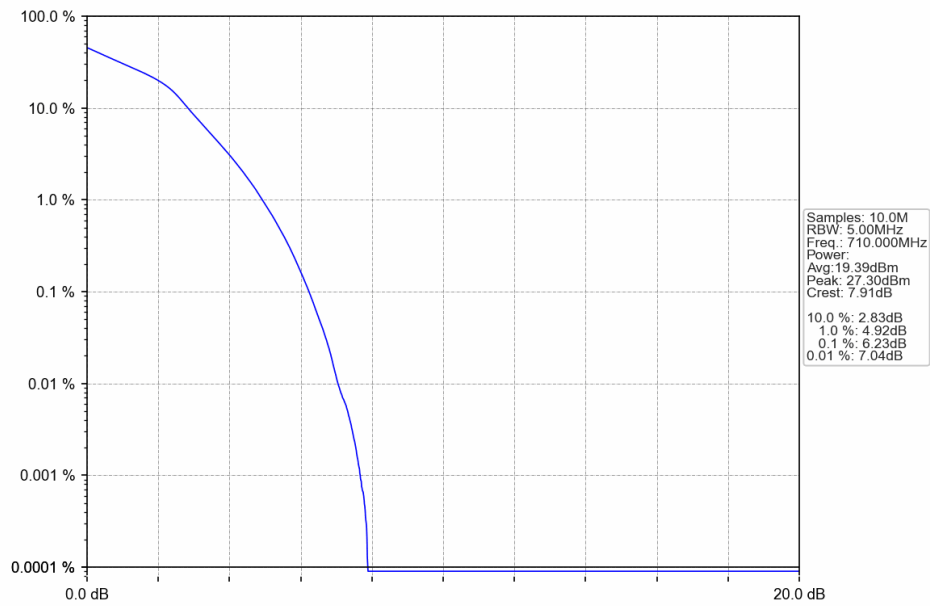
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



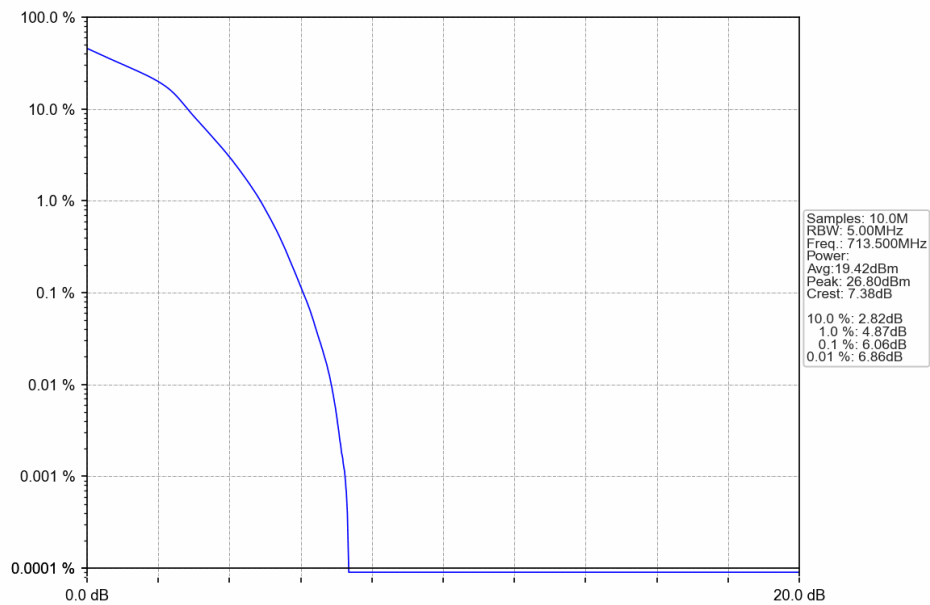
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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



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

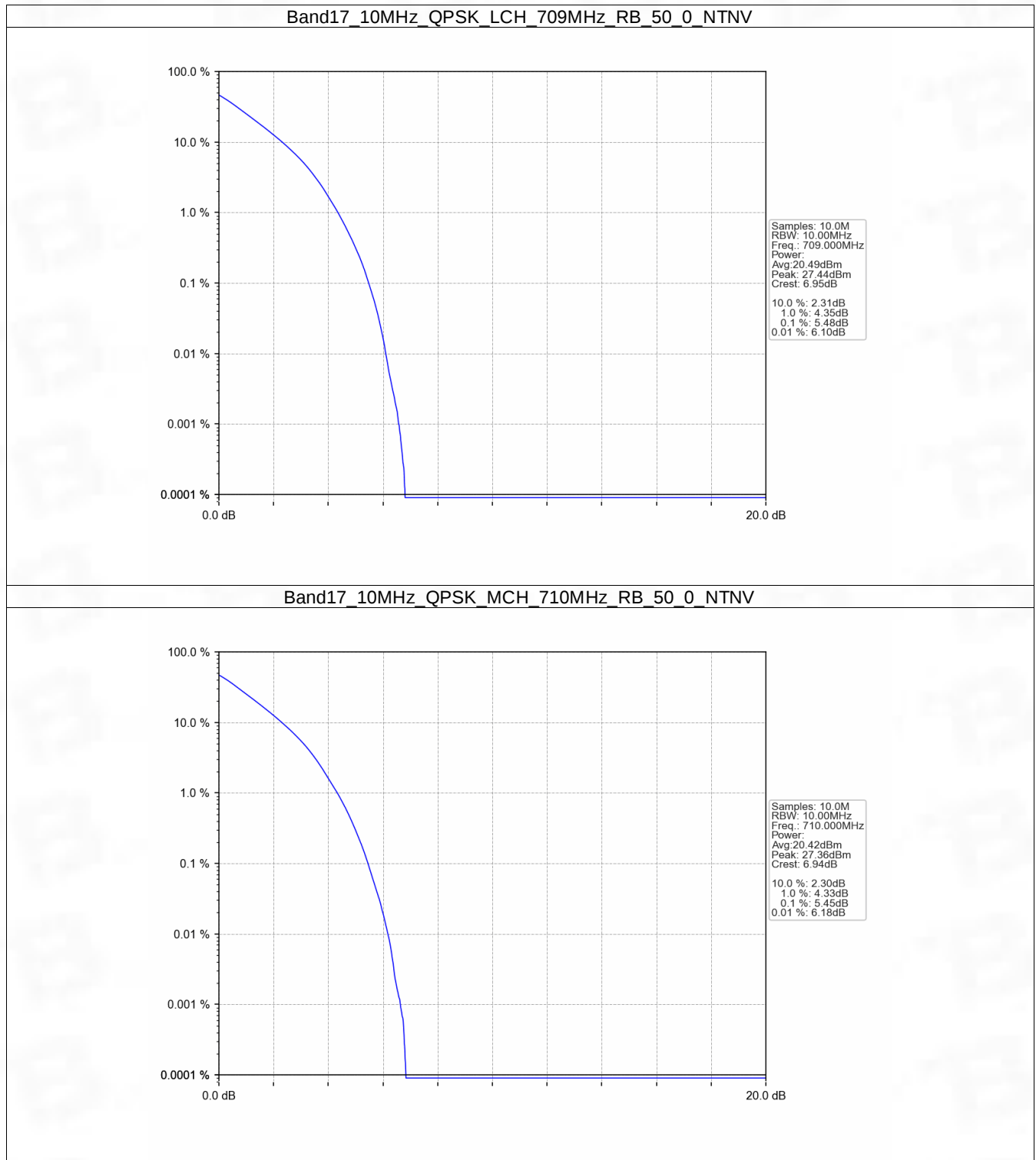


5.2 B17_10MHz

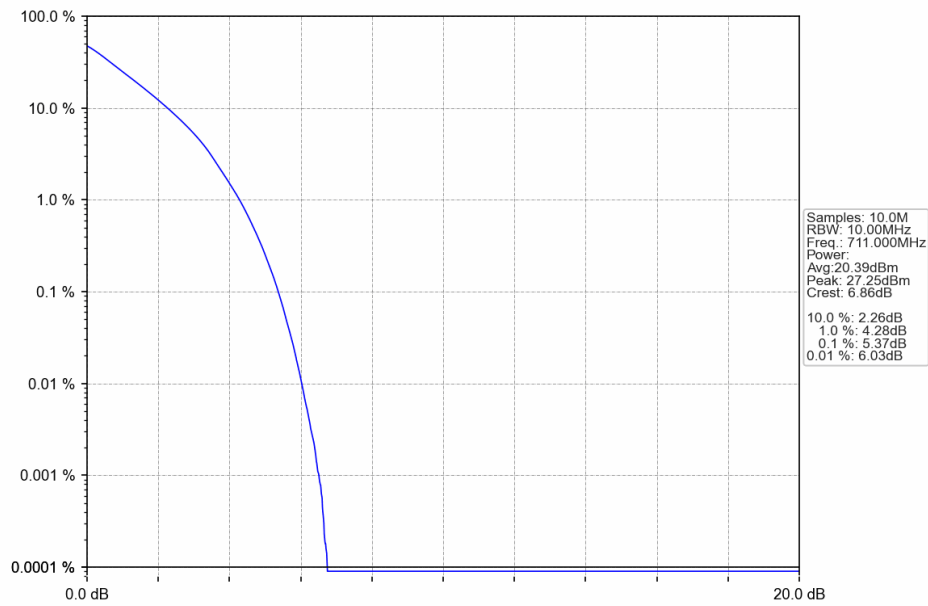
5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.48	<=13	Pass
	710	50	0	5.45	<=13	Pass
	711	50	0	5.37	<=13	Pass
16QAM	709	50	0	6.24	<=13	Pass
	710	50	0	6.18	<=13	Pass
	711	50	0	6.16	<=13	Pass

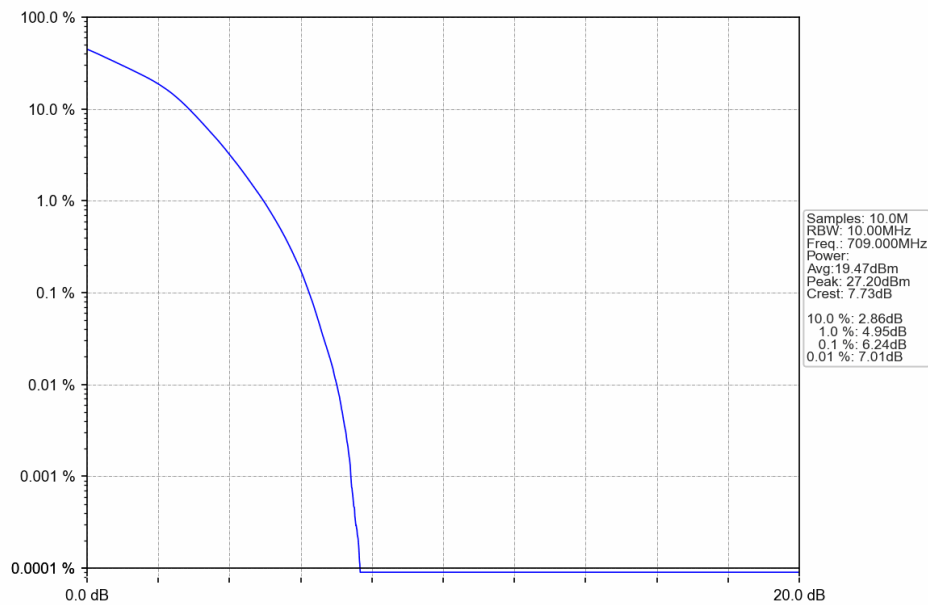
5.2.2 Test Graph



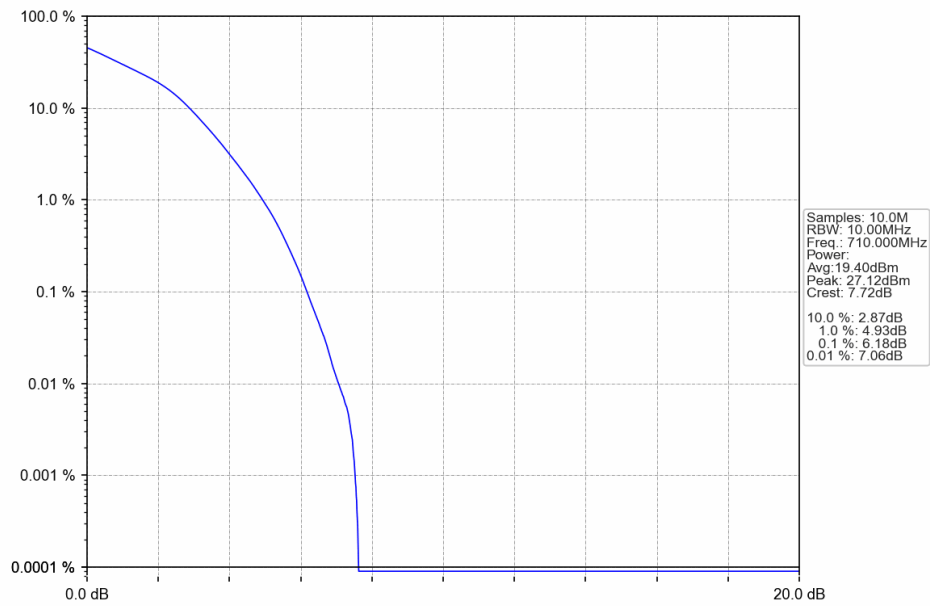
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



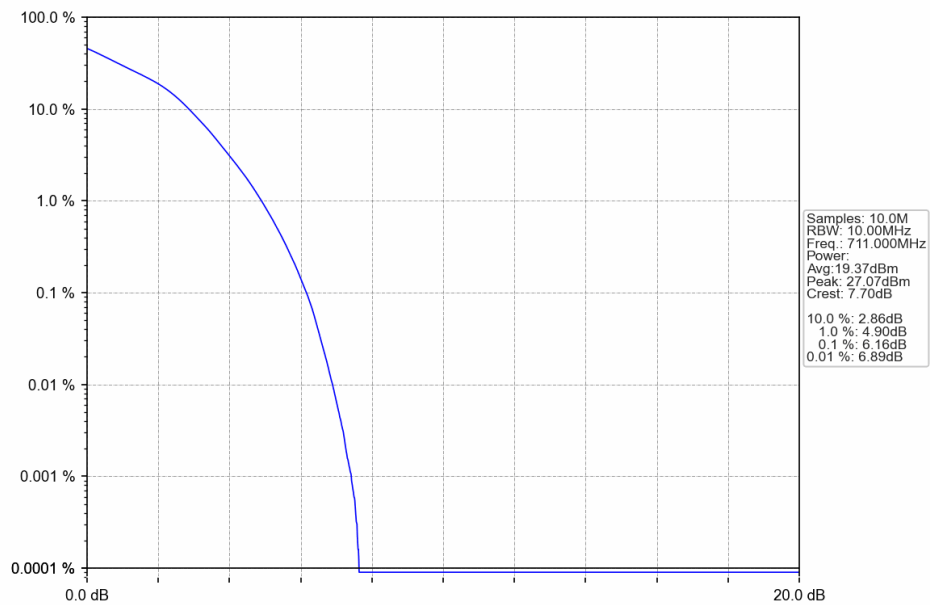
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



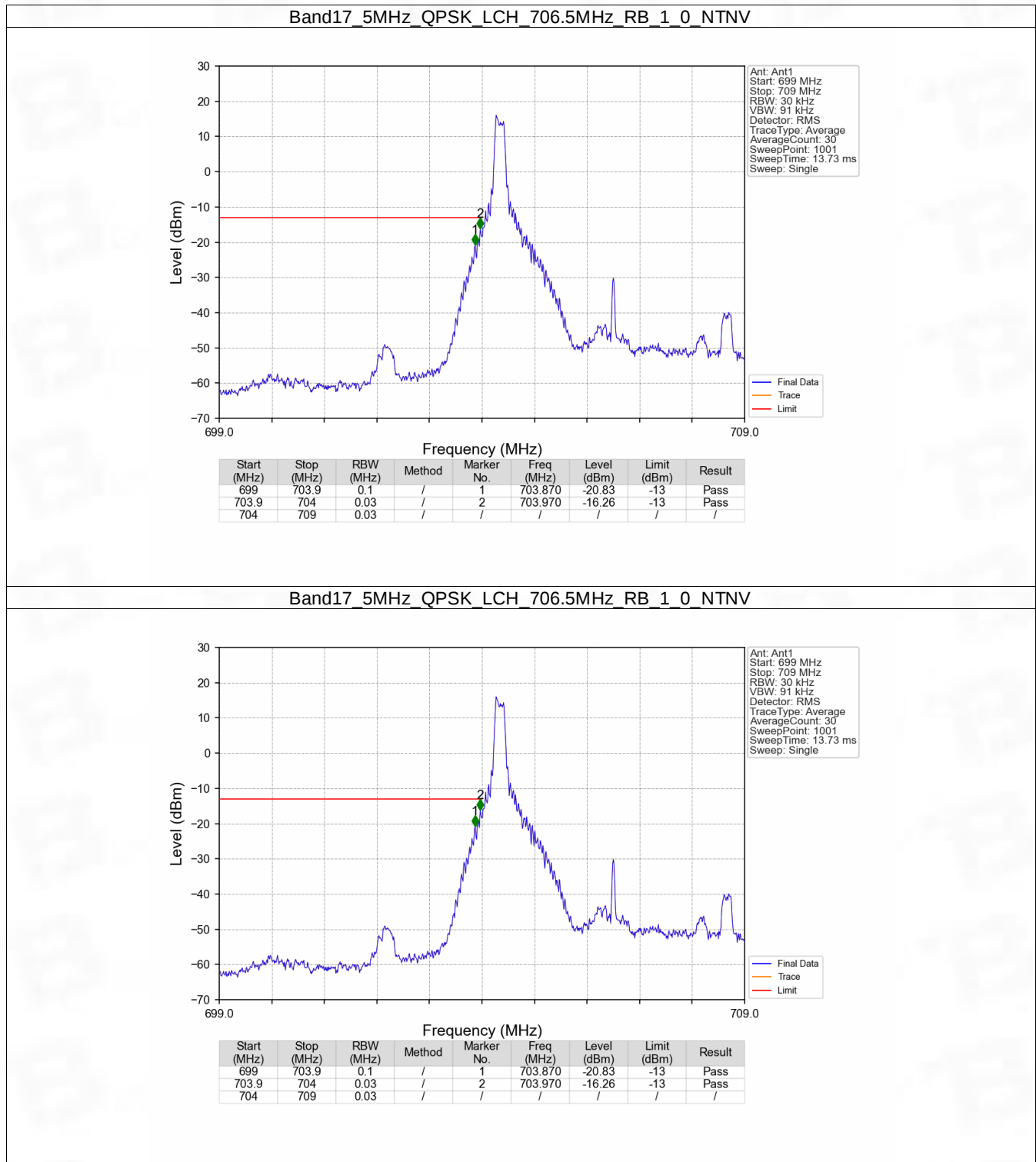
6. Spurious Emission

6.1 B17_5MHz

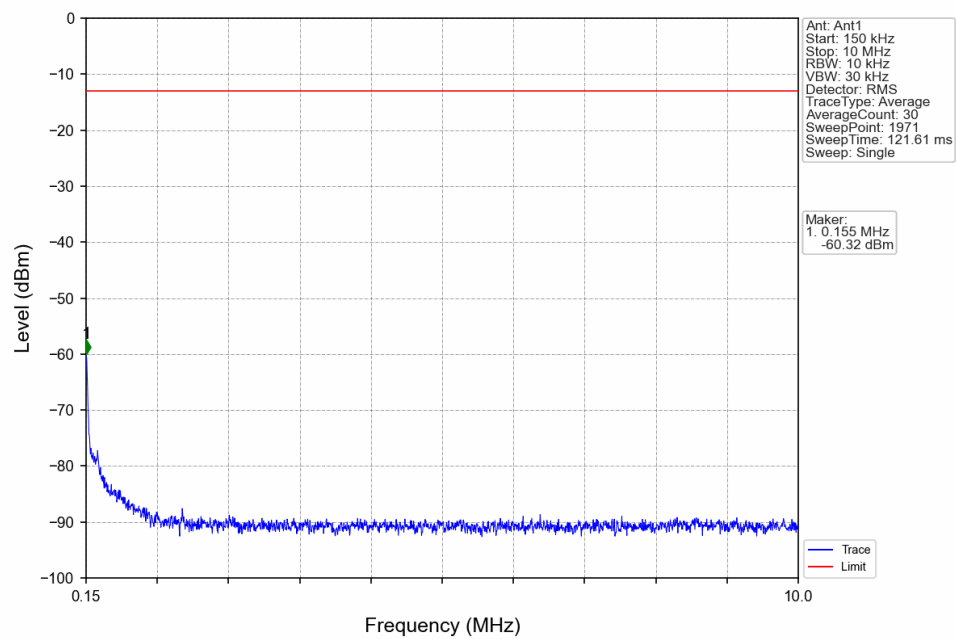
6.1.1 Test Result

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

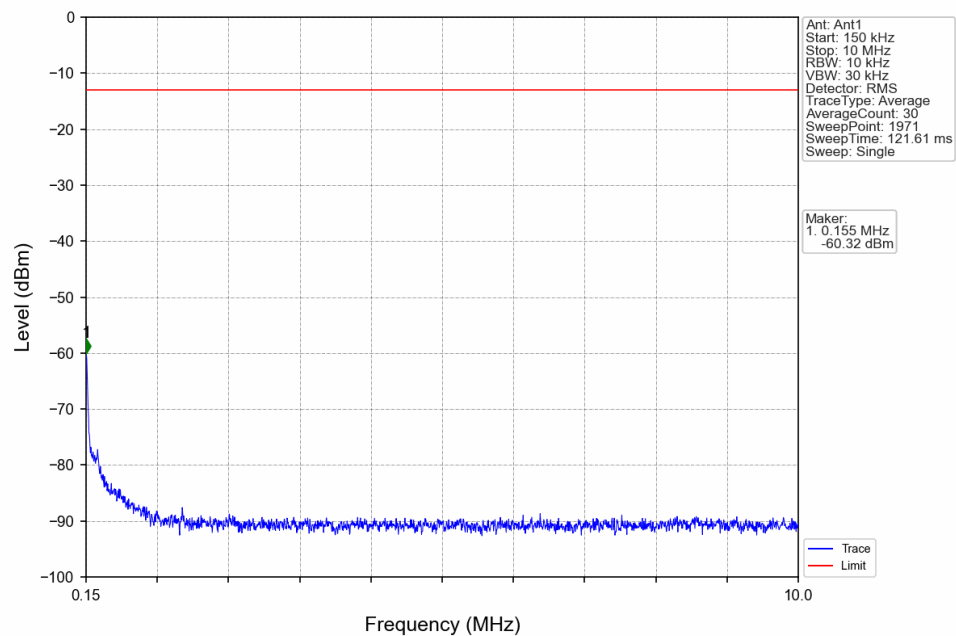
6.1.2 Test Graph



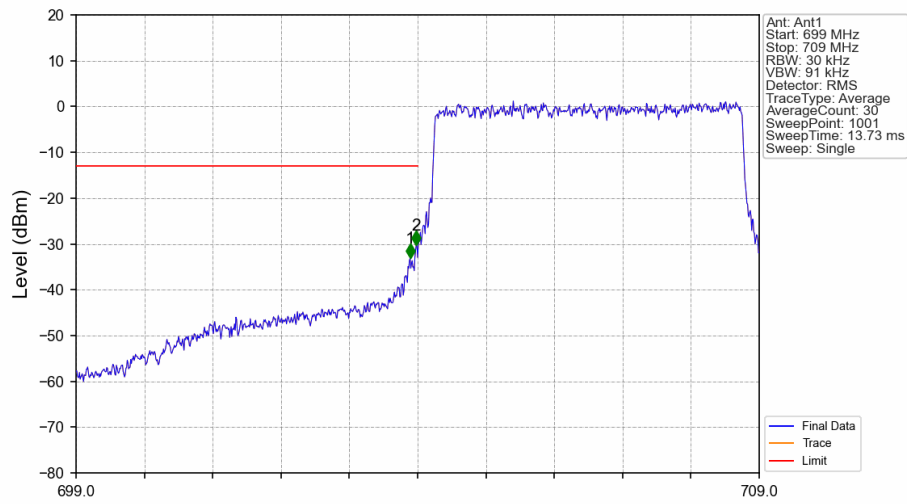
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



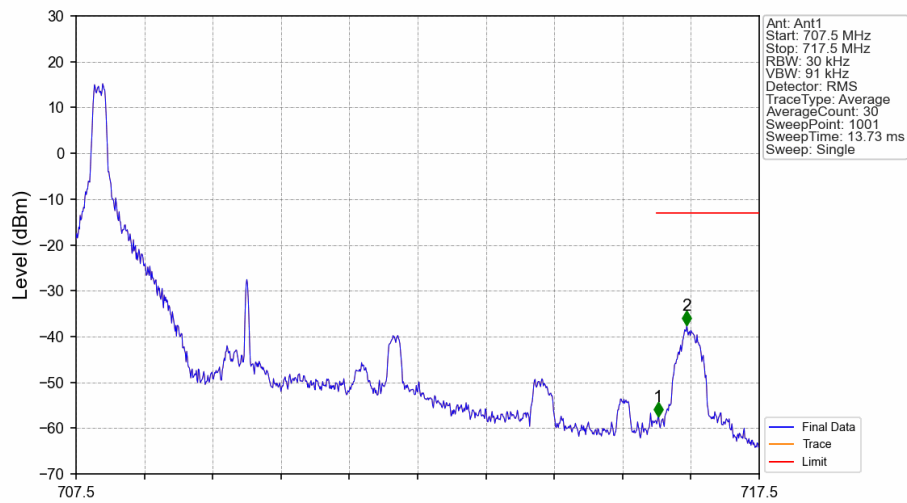
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



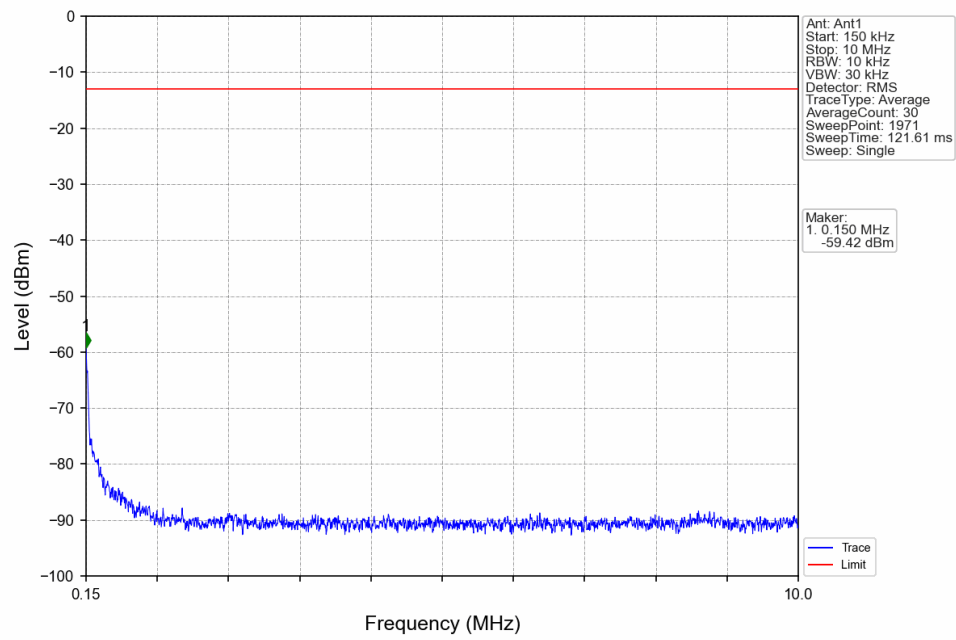
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



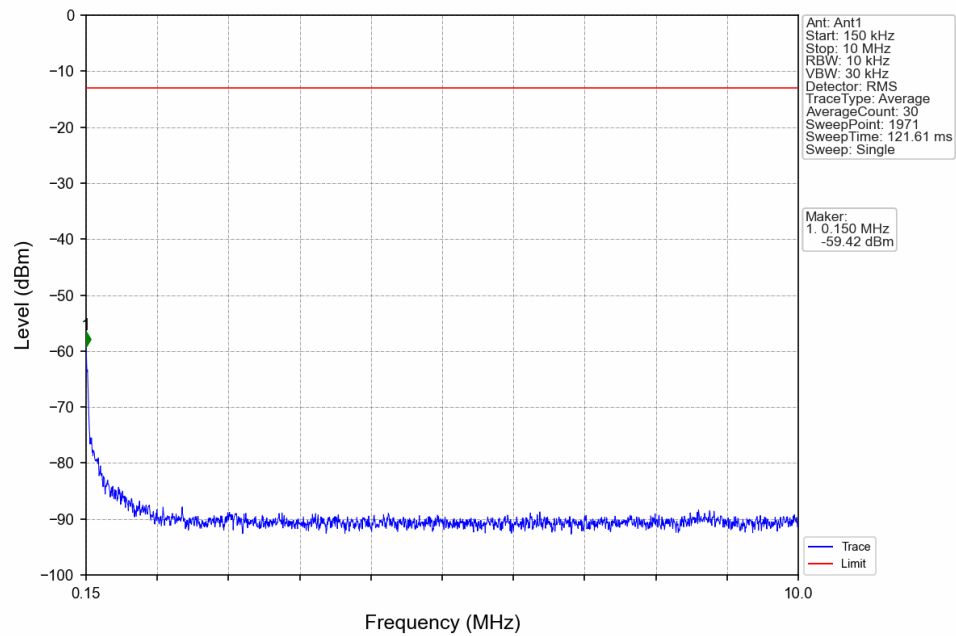
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



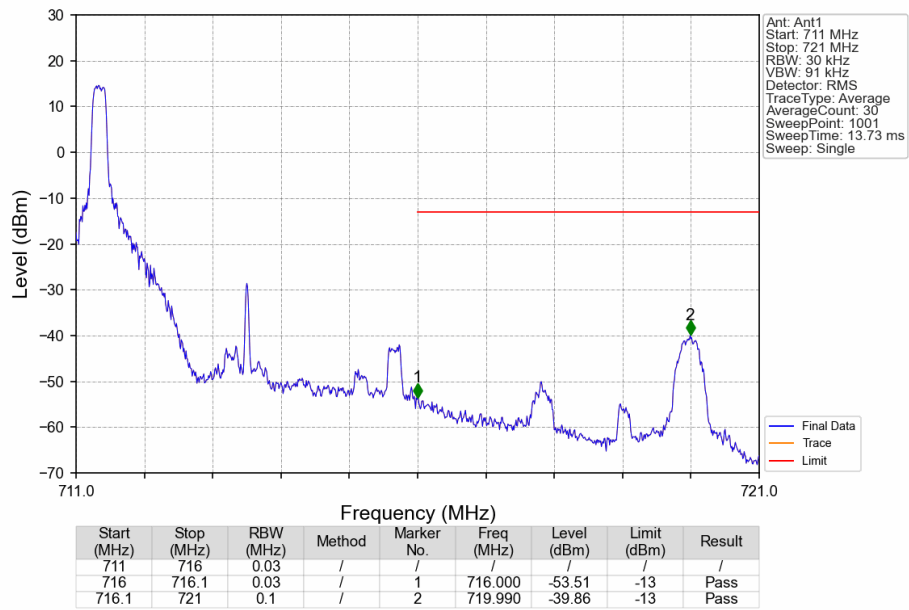
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



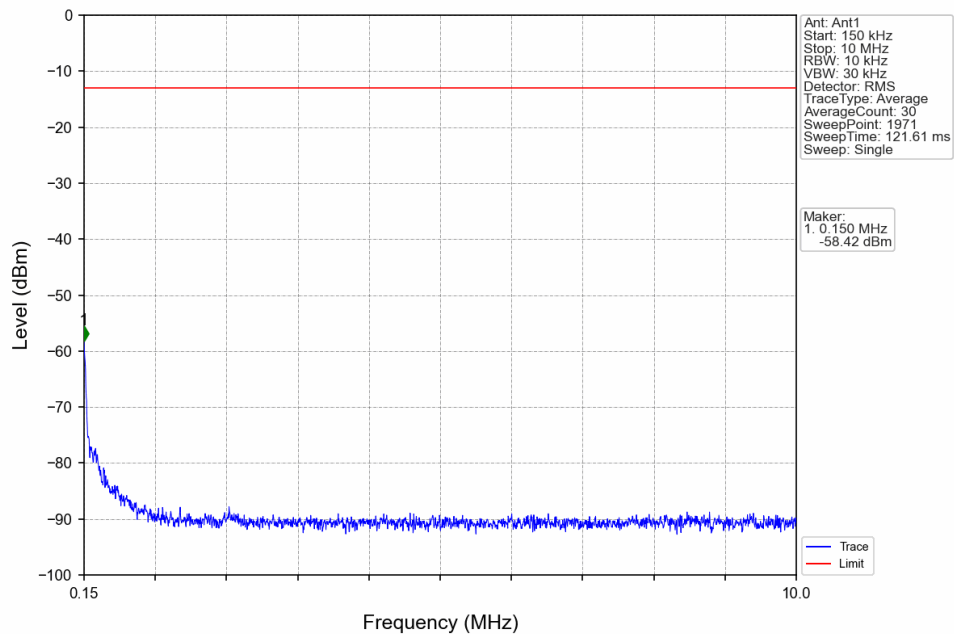
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



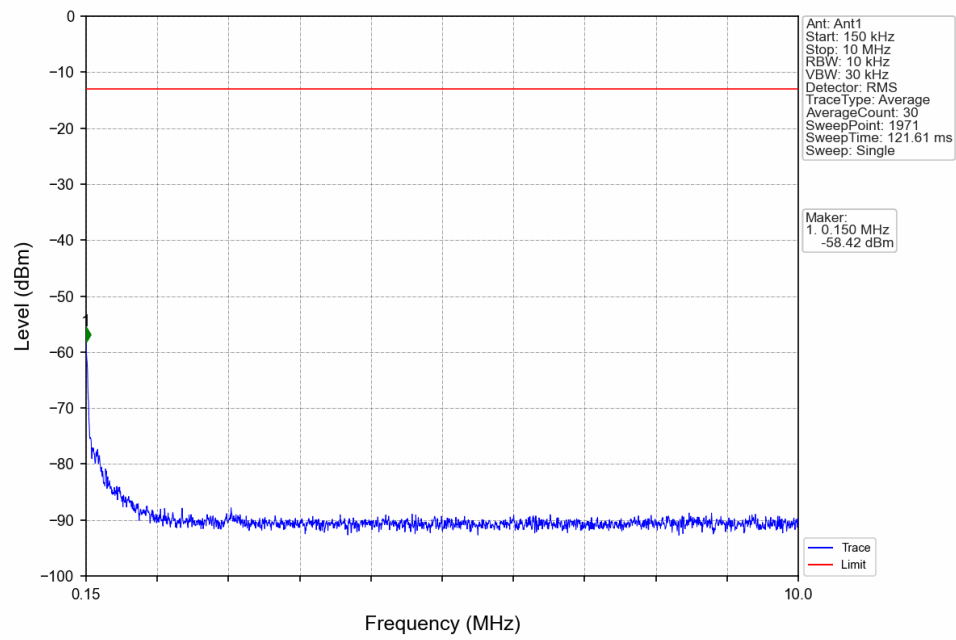
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



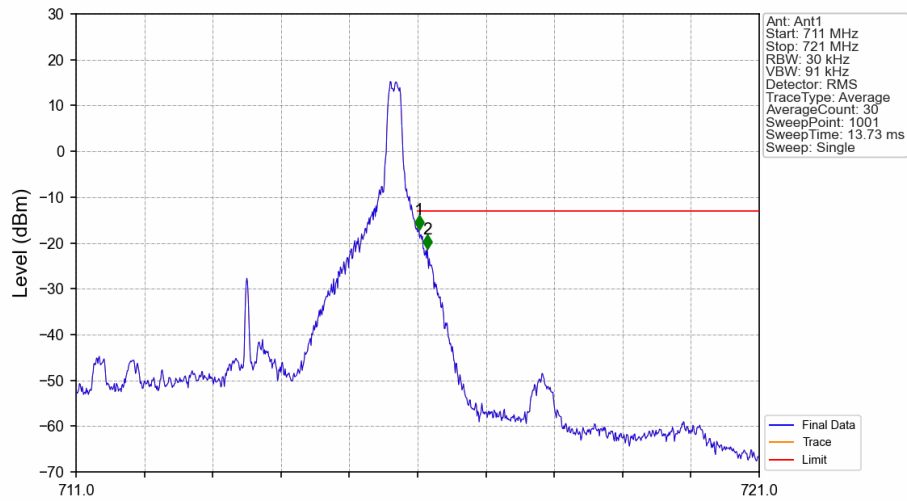
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

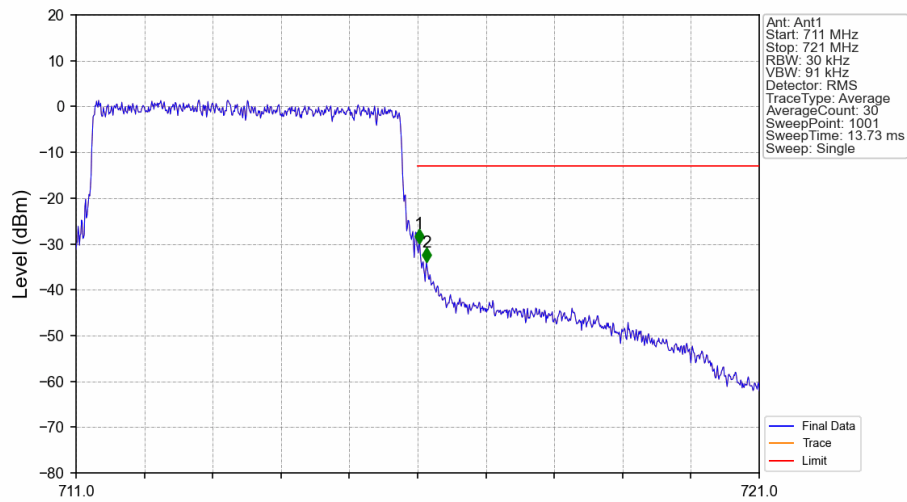


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV

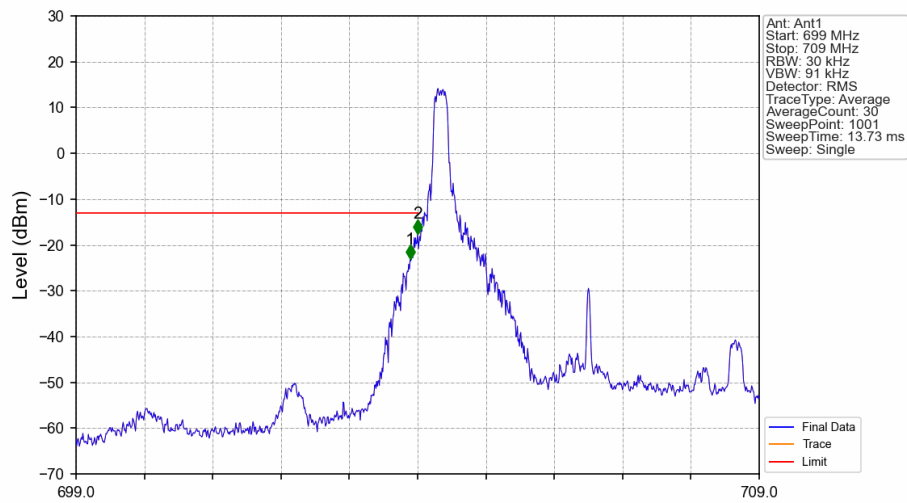


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-17.14	-13	Pass
716.1	721	0.1	/	2	716.140	-21.33	-13	Pass

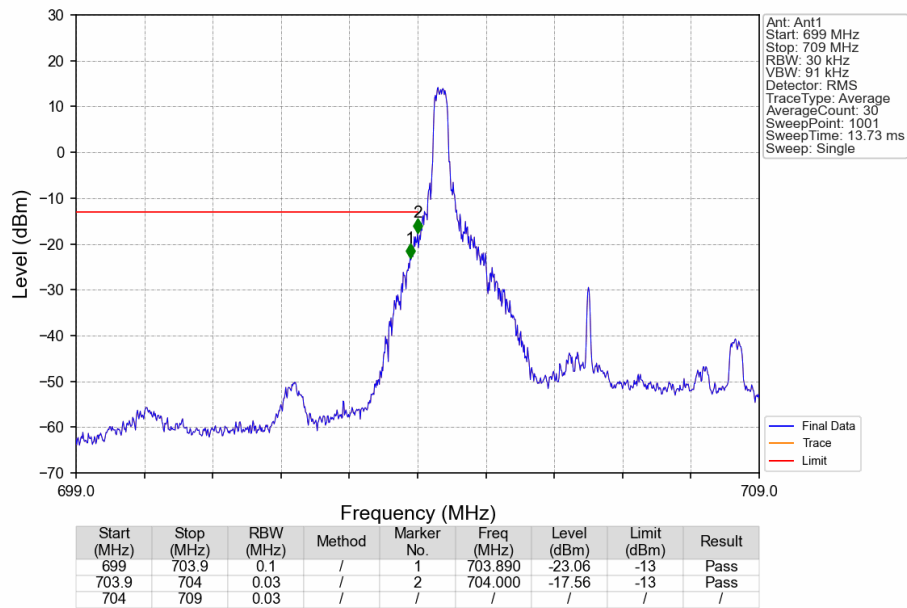
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



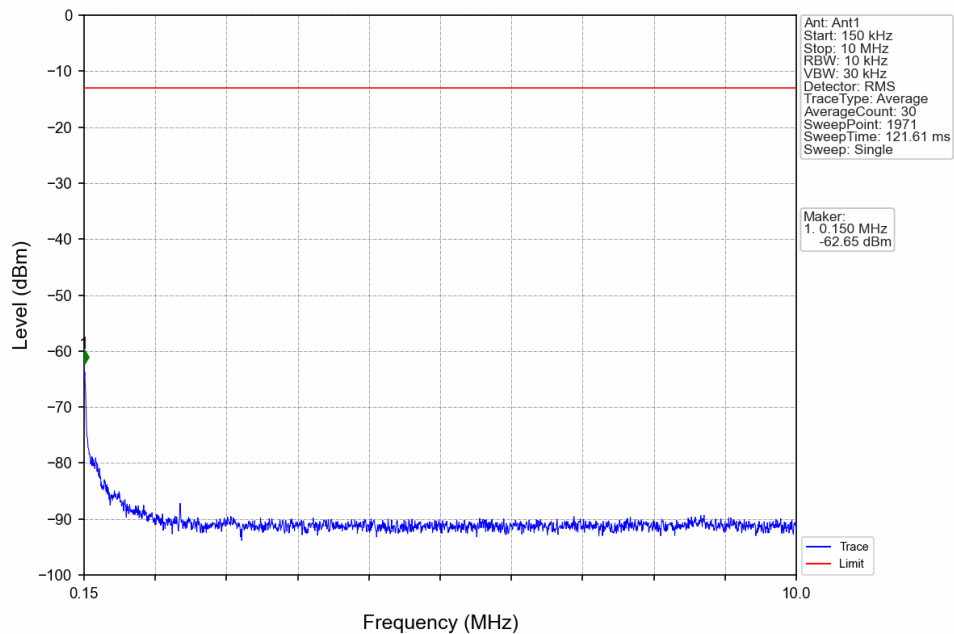
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



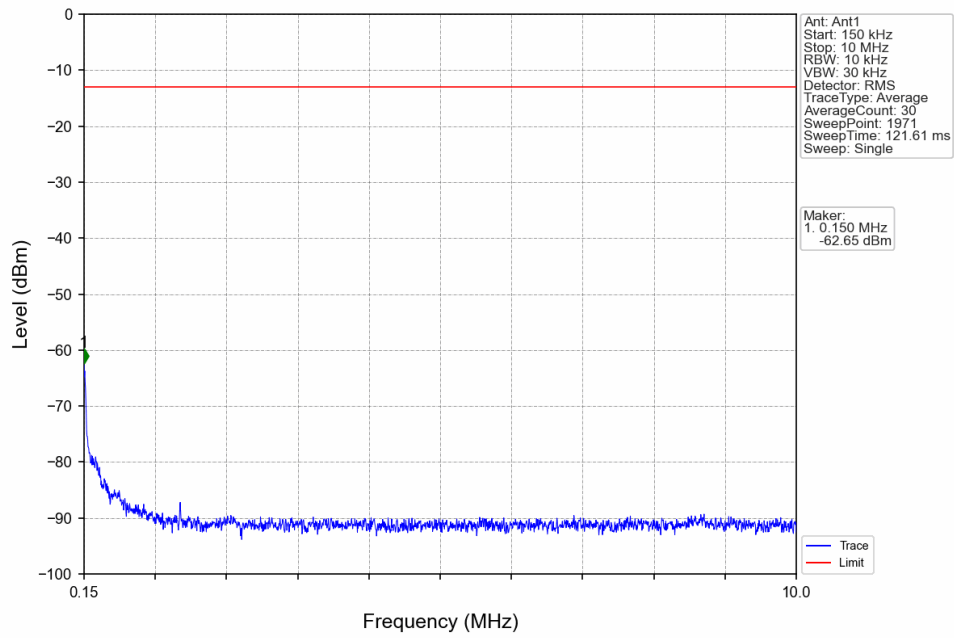
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



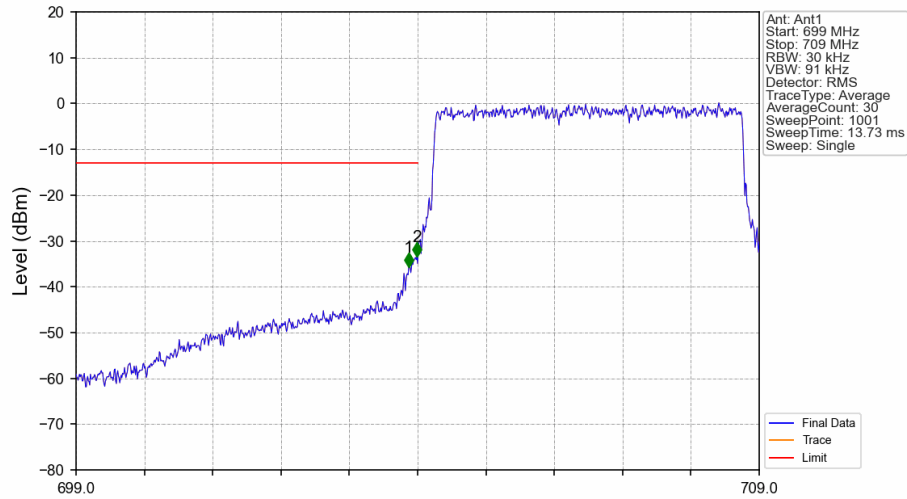
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

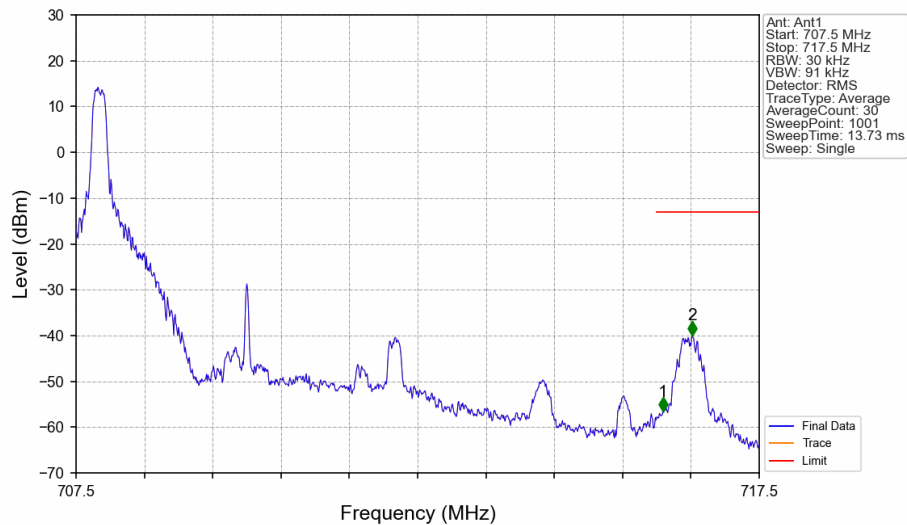


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



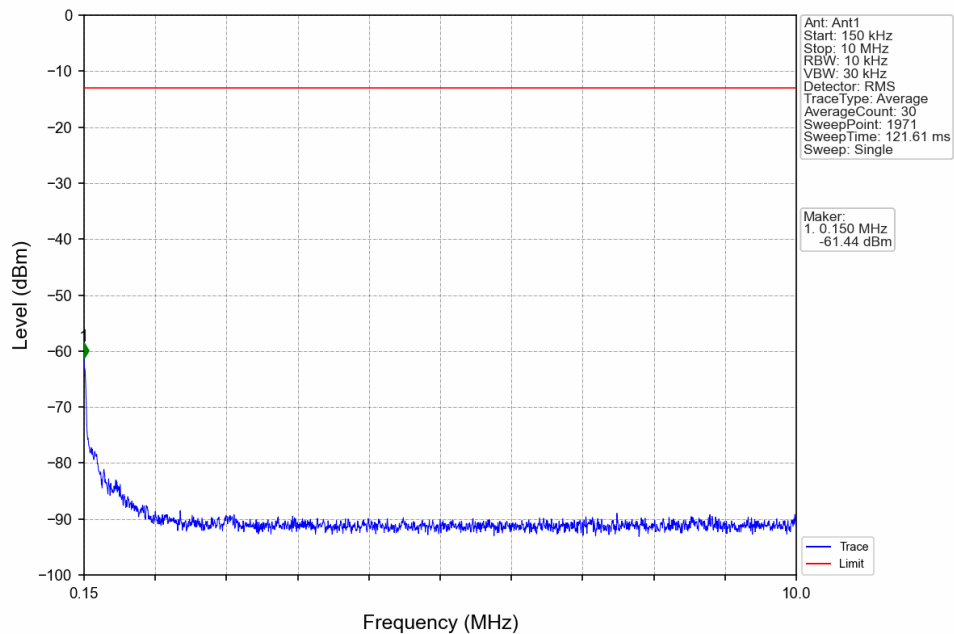
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.870	-35.73	-13	Pass
703.9	704	0.03	/	2	703.990	-33.44	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTNV

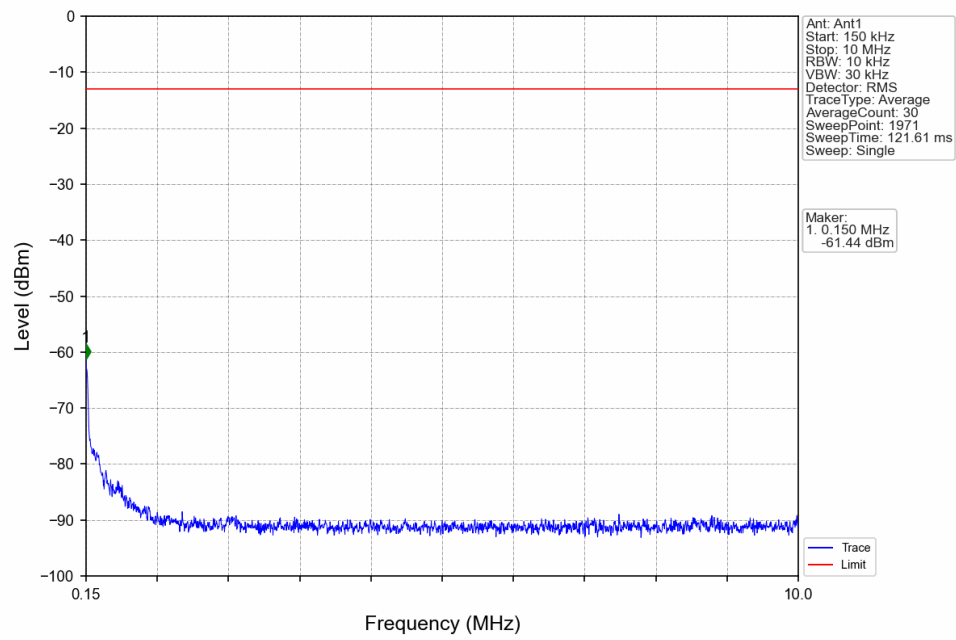


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
707.5	716	0.03	/	1	716.090	-56.59	-13	Pass
716	716.1	0.03	/	1	716.090	-56.59	-13	Pass
716.1	717.5	0.1	/	2	716.520	-39.95	-13	Pass

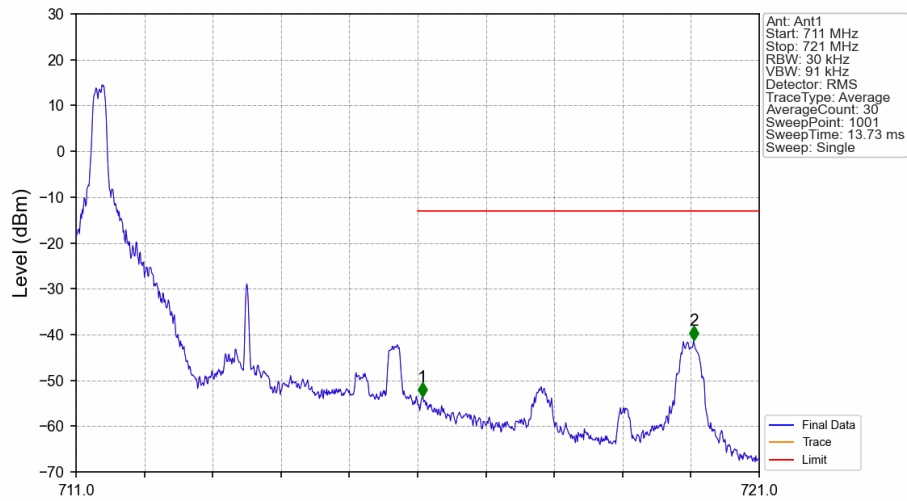
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV

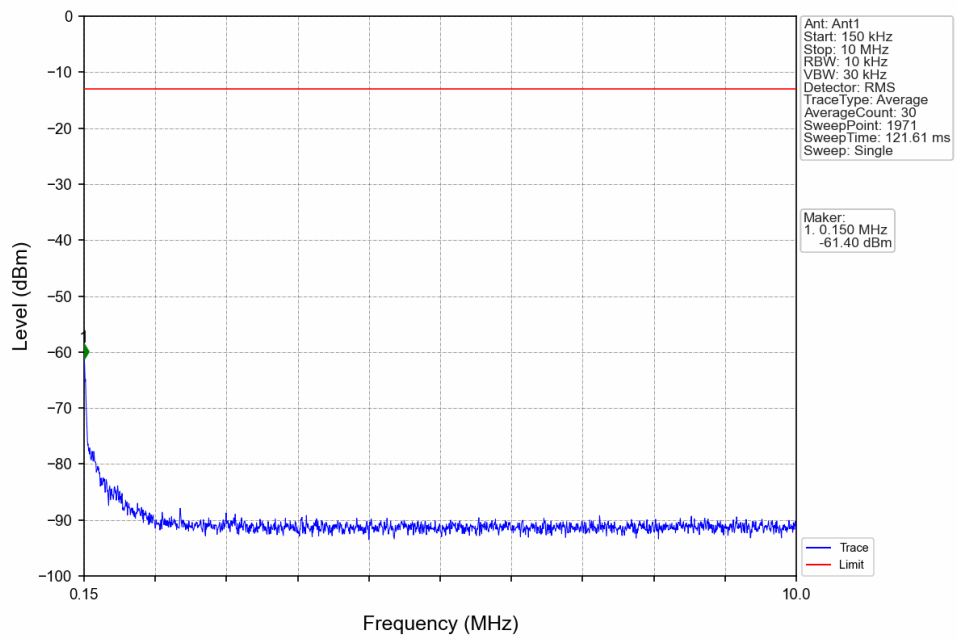


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

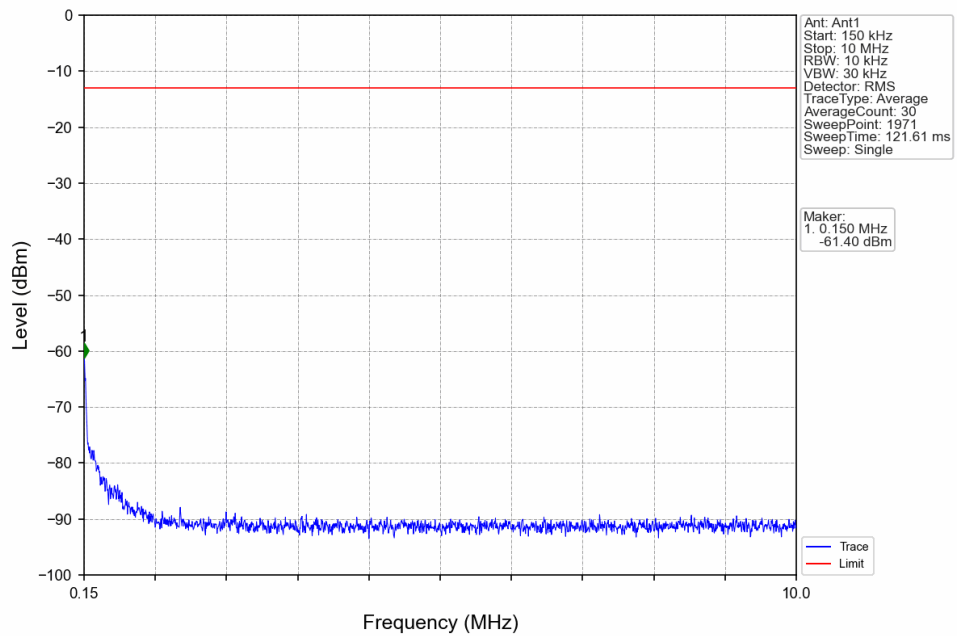


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.070	-53.67	-13	Pass
716.1	721	0.1	/	2	720.040	-41.33	-13	Pass

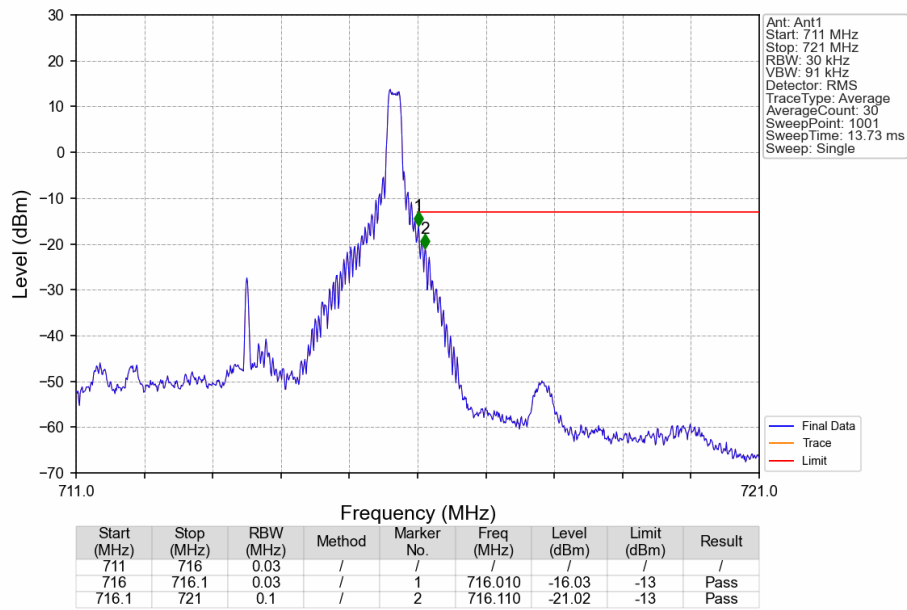
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



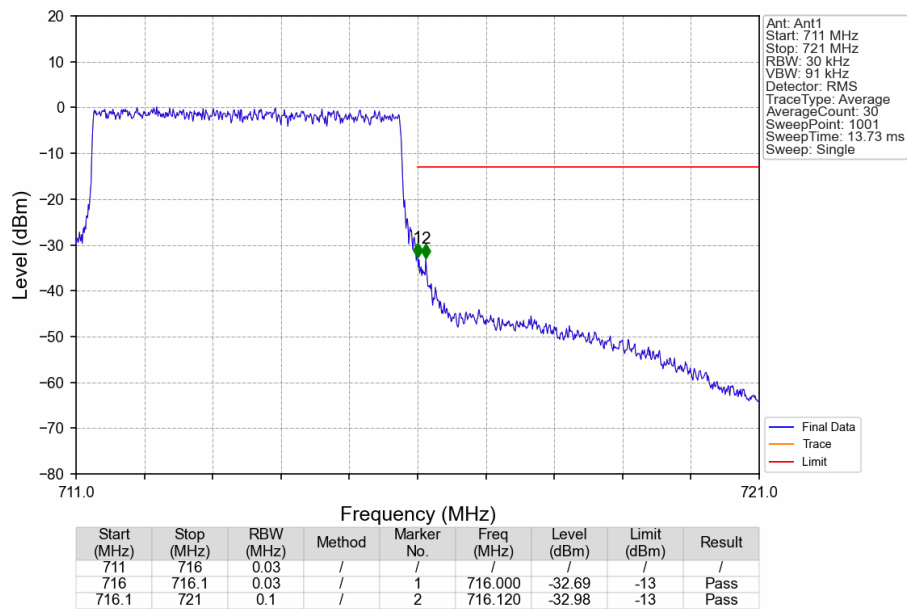
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



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



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

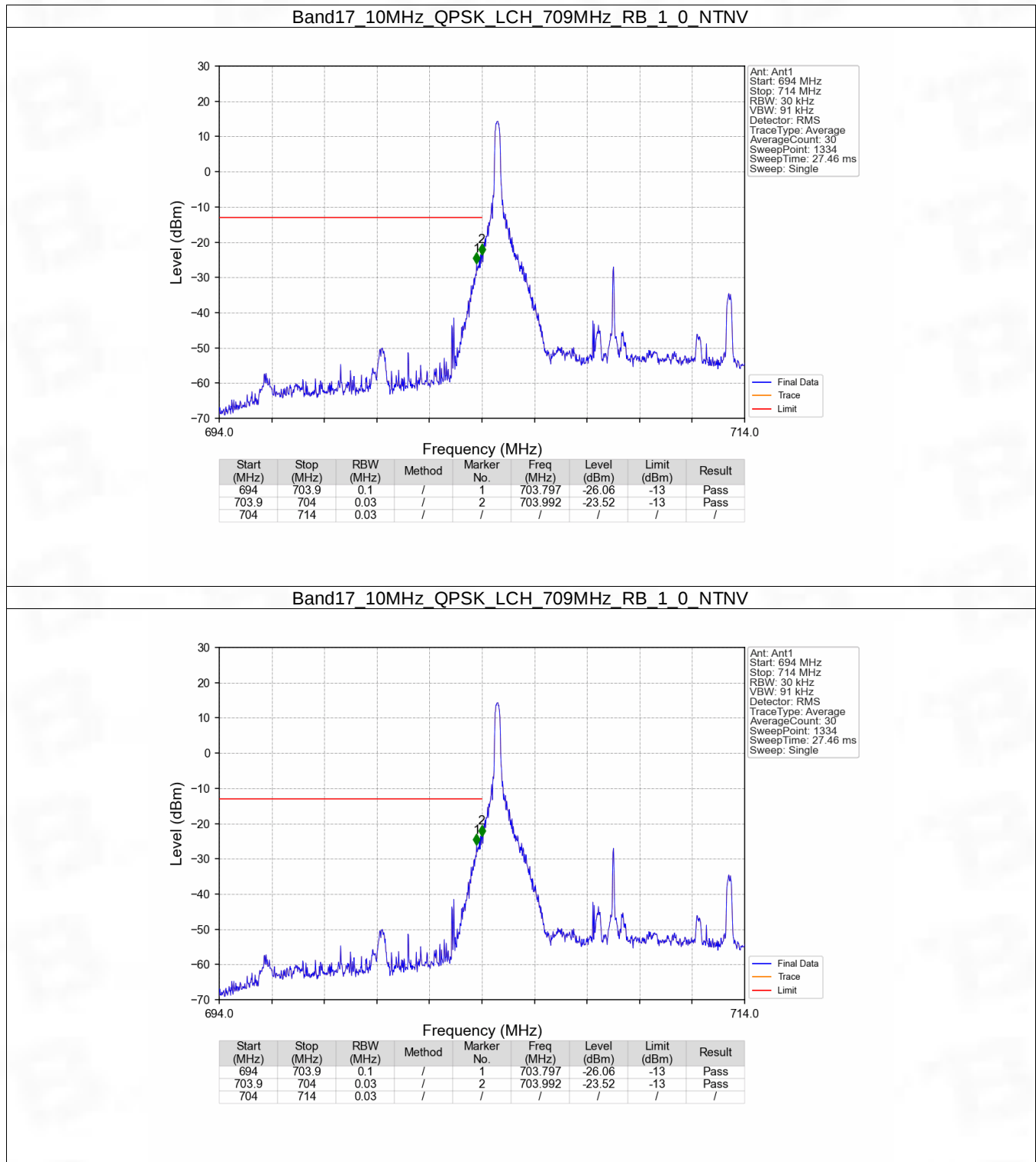


6.2 B17_10MHz

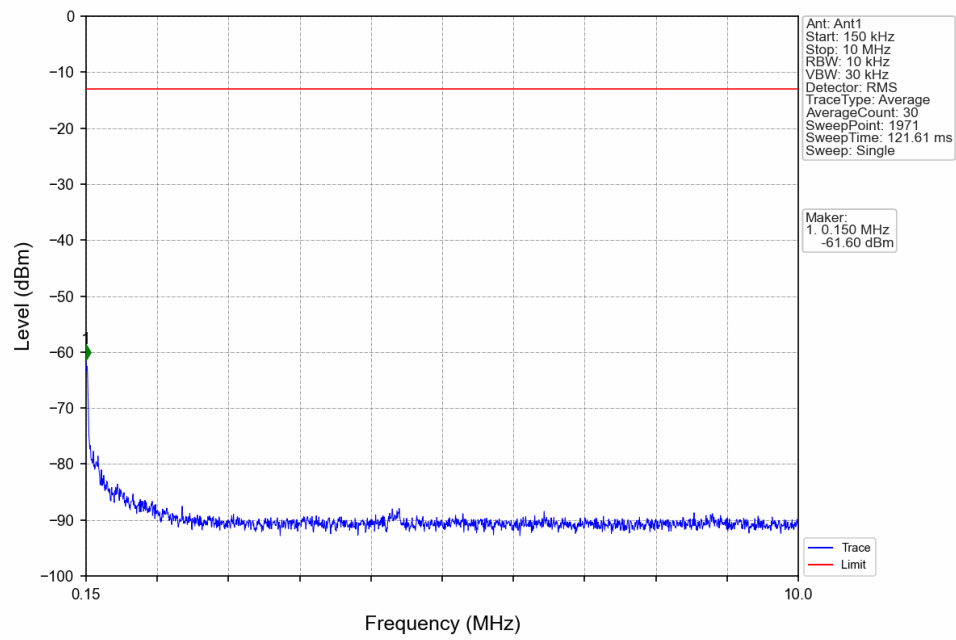
6.2.1 Test Result

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

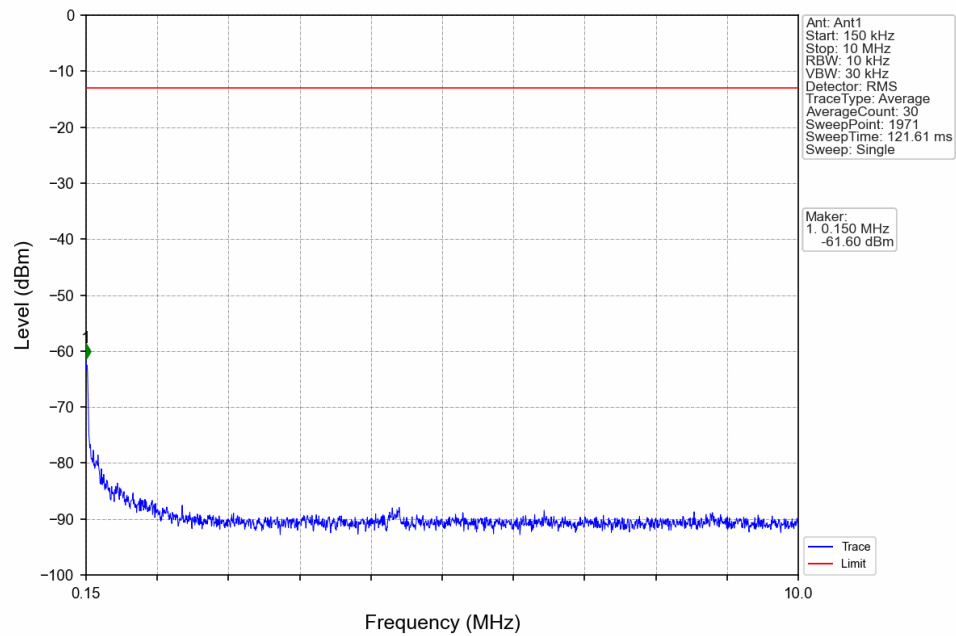
6.2.2 Test Graph



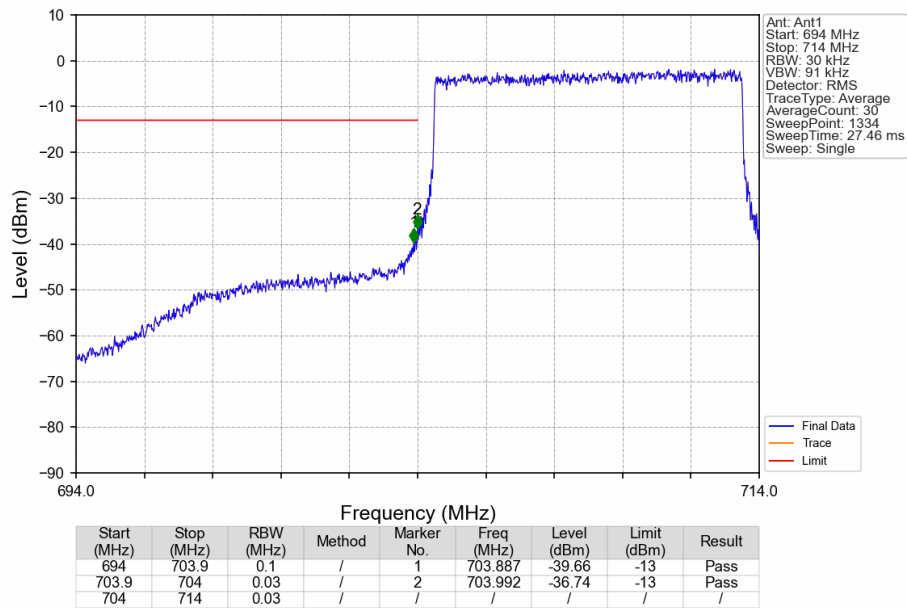
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



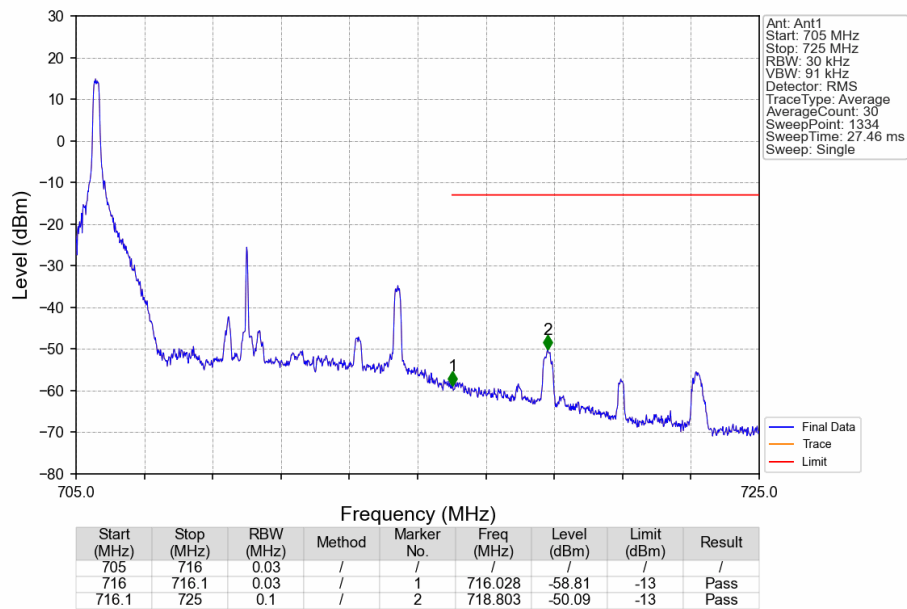
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



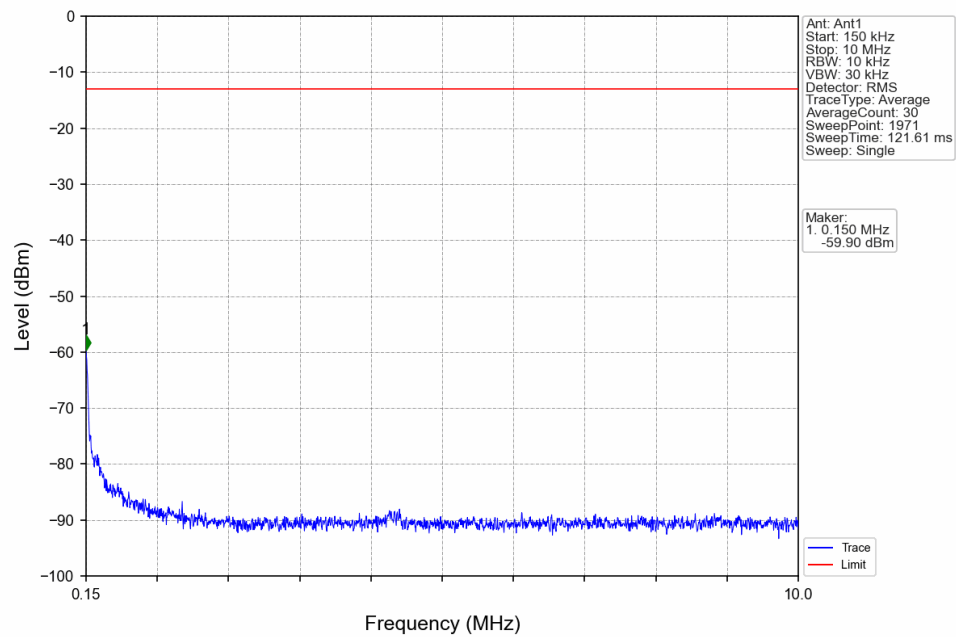
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



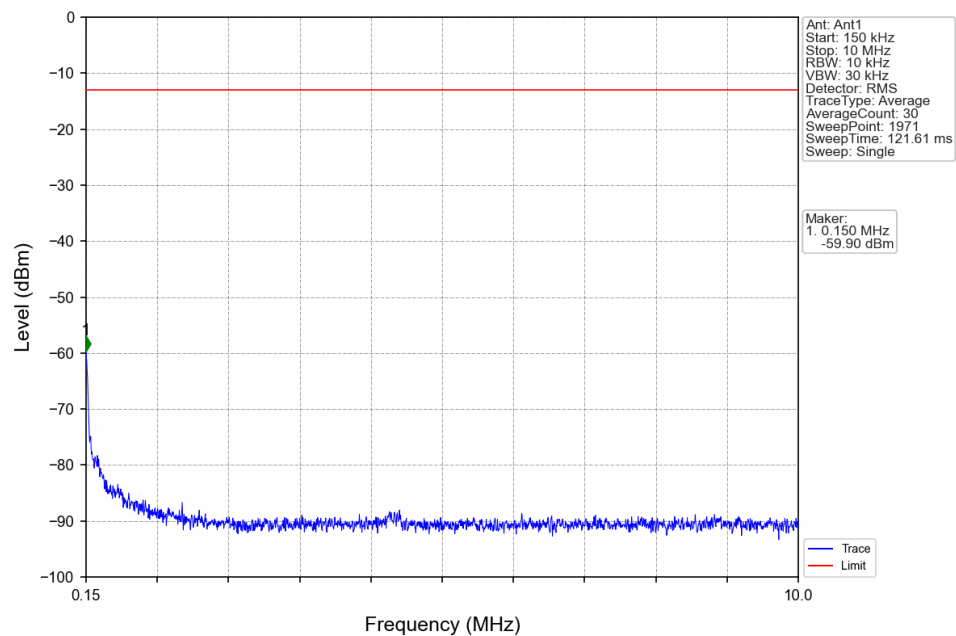
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



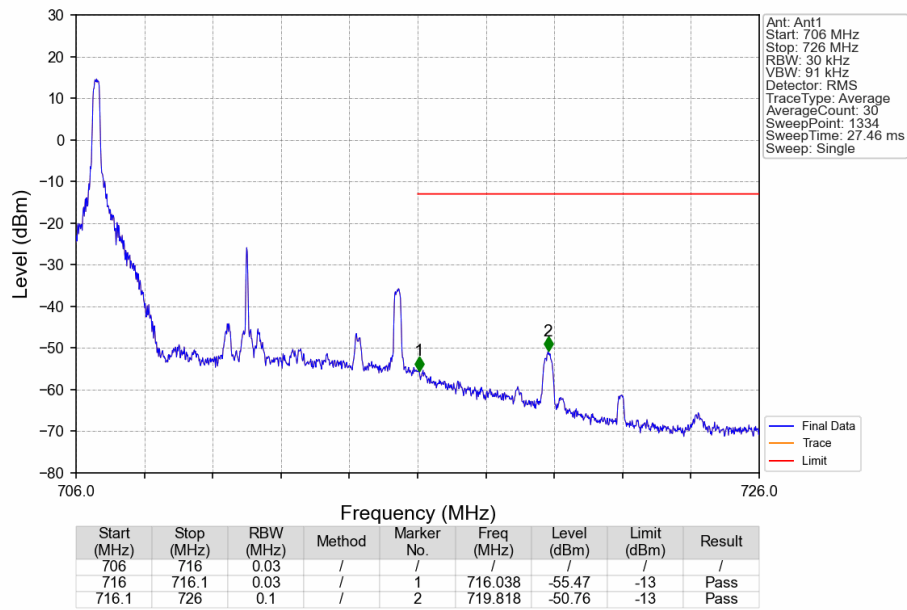
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



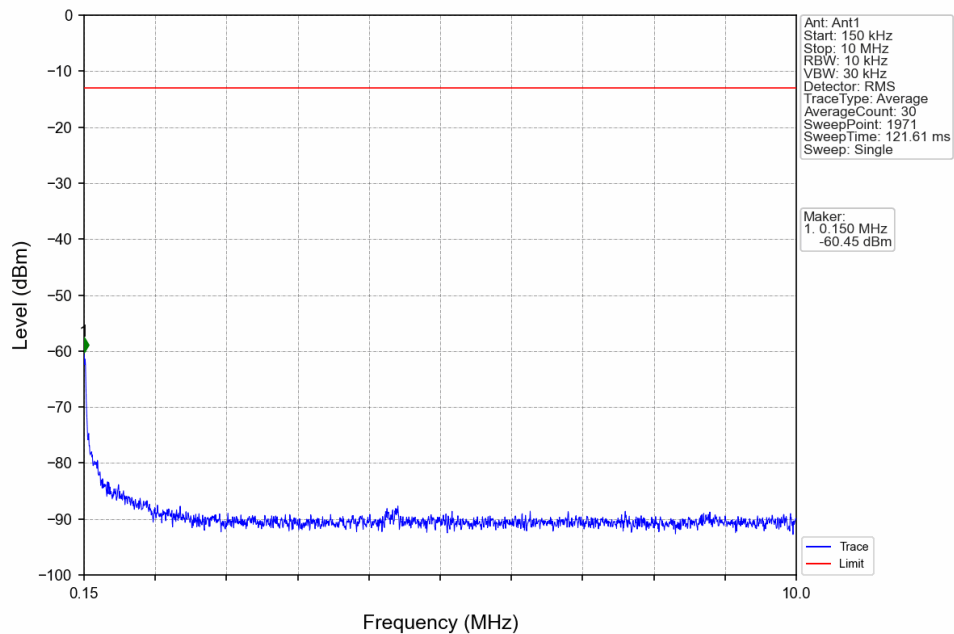
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



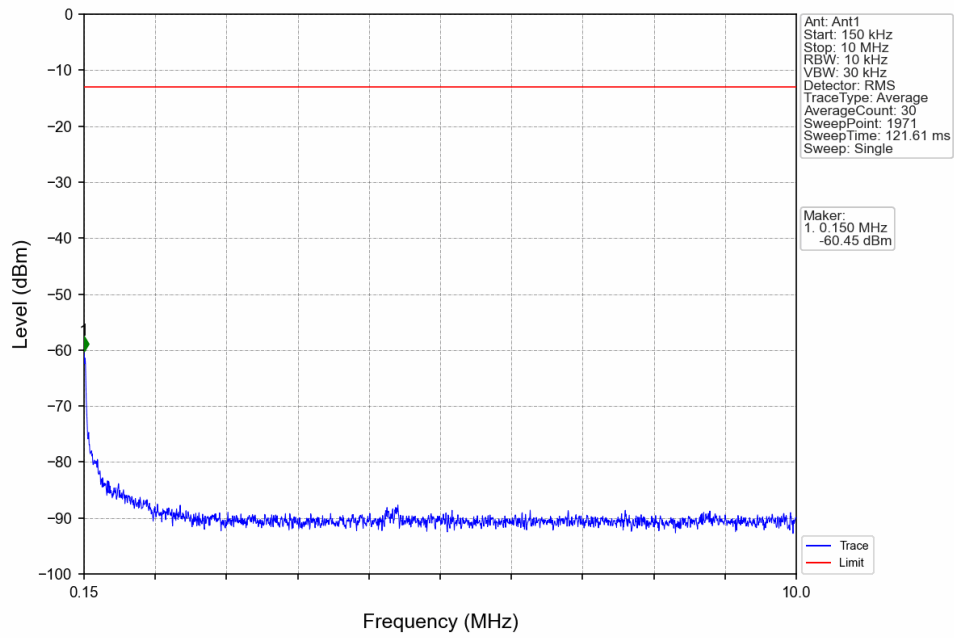
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



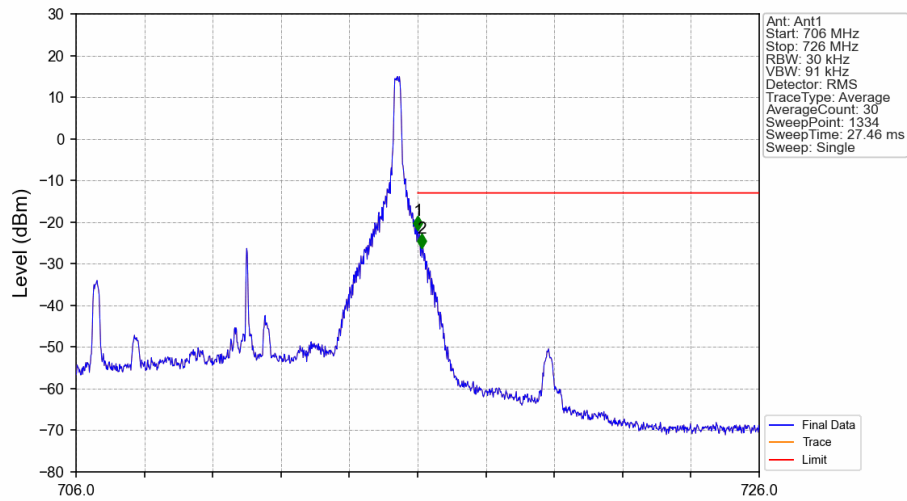
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

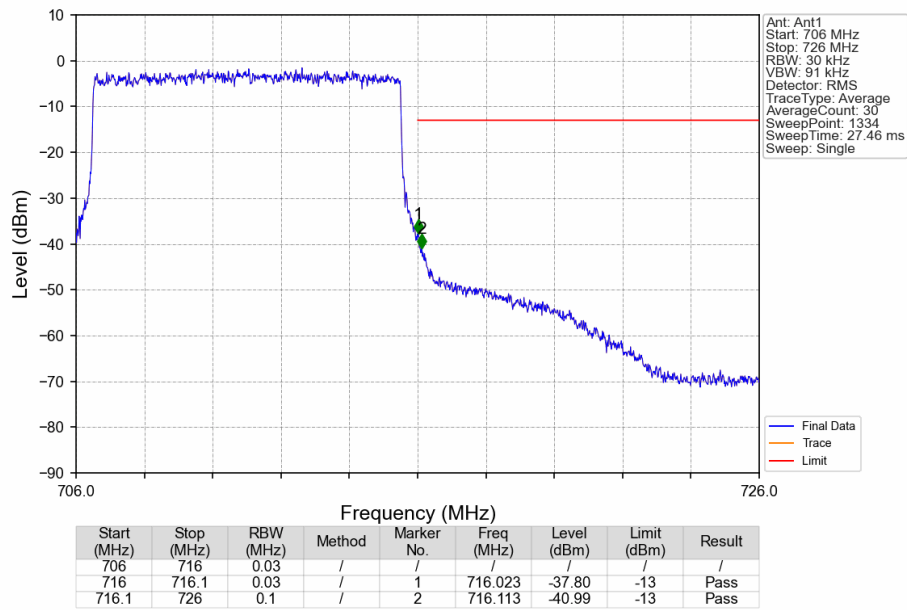


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV

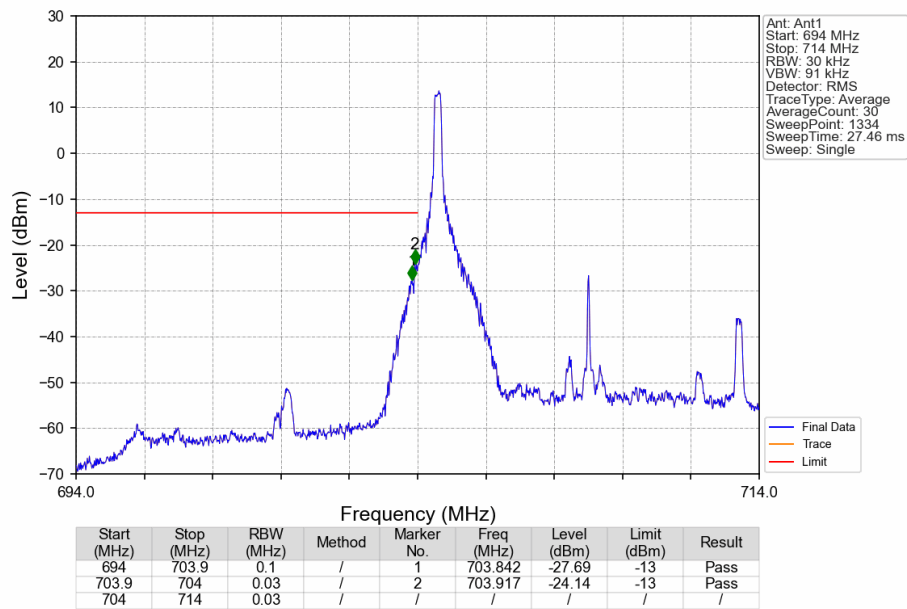


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-22.02	-13	Pass
716.1	726	0.1	/	2	716.113	-26.29	-13	Pass

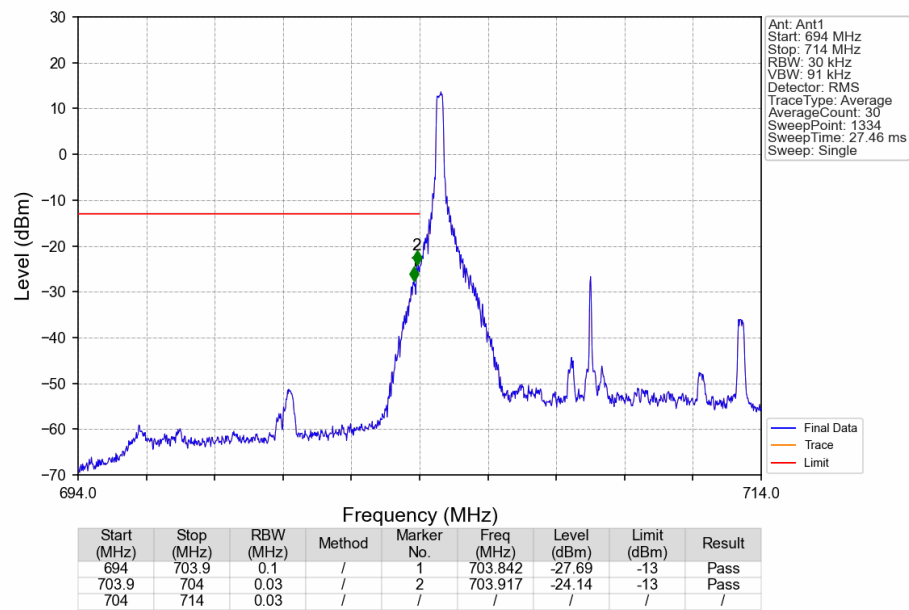
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



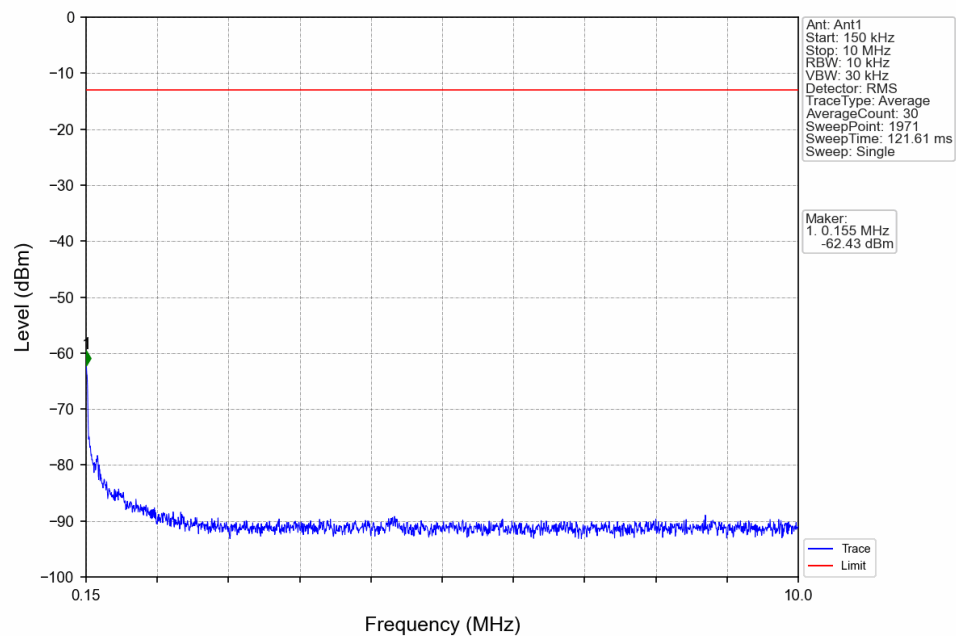
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



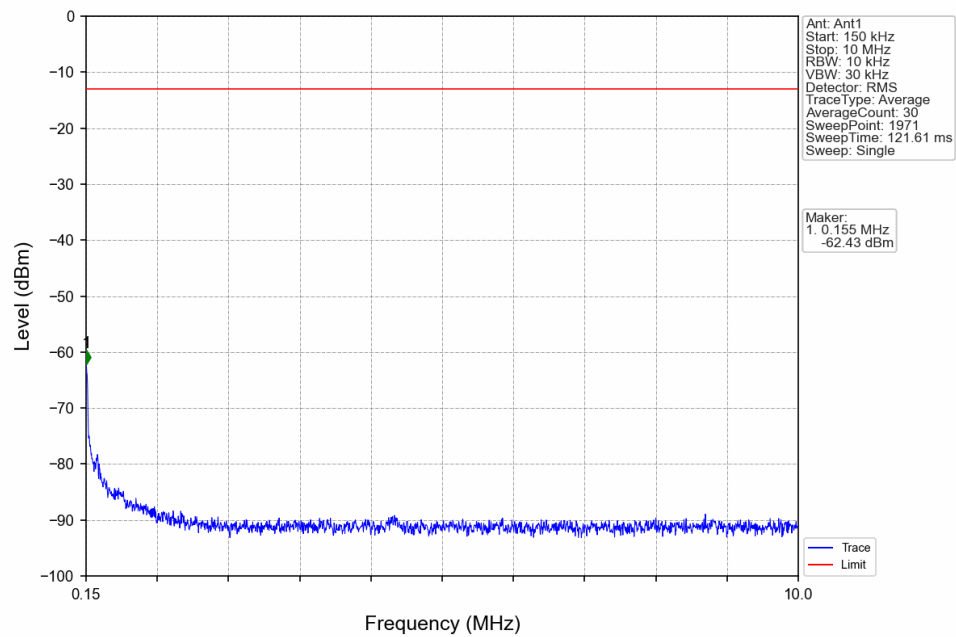
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



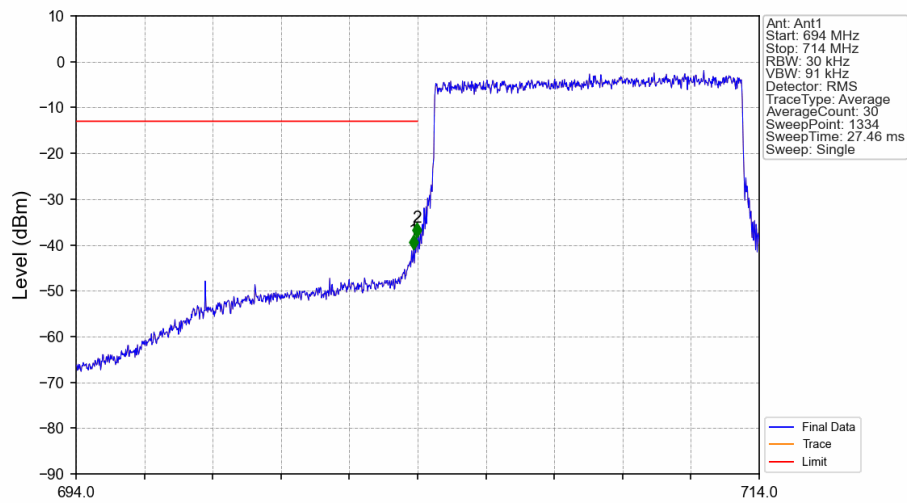
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

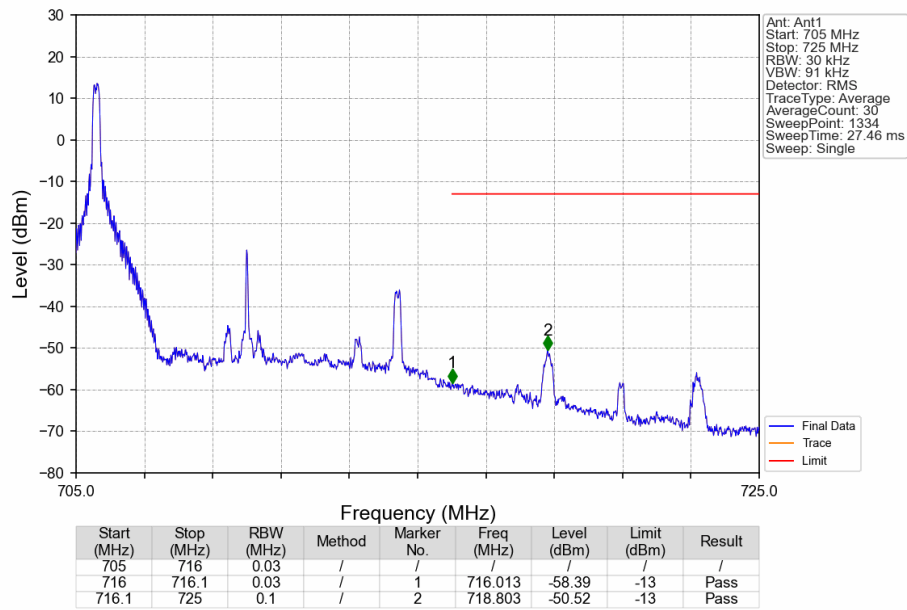


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

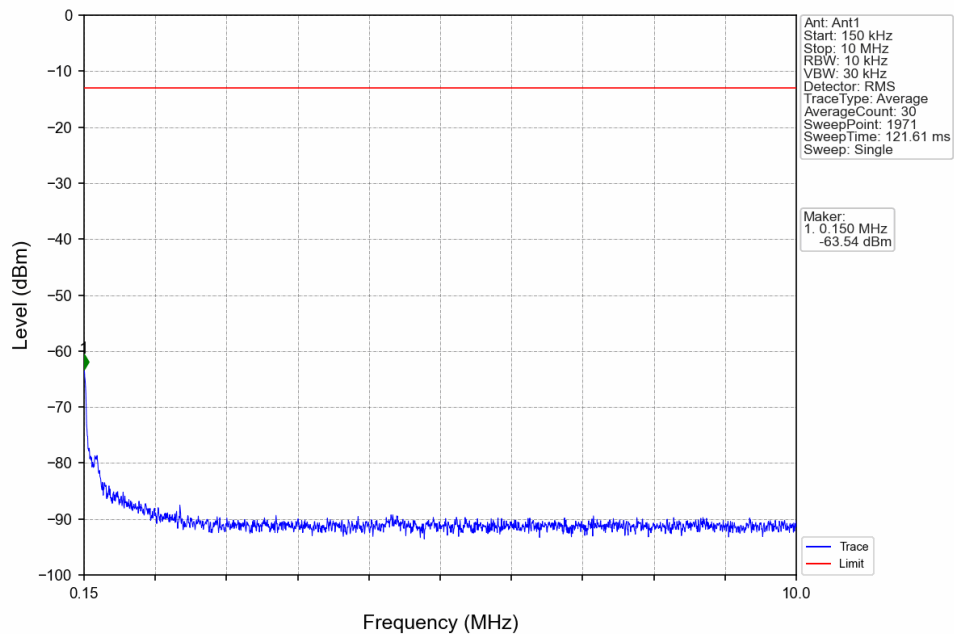


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	703.872	-40.95	-13	Pass
703.9	704	0.03	/	2	703.977	-38.36	-13	Pass
704	714	0.03	/	/	/	/	/	/

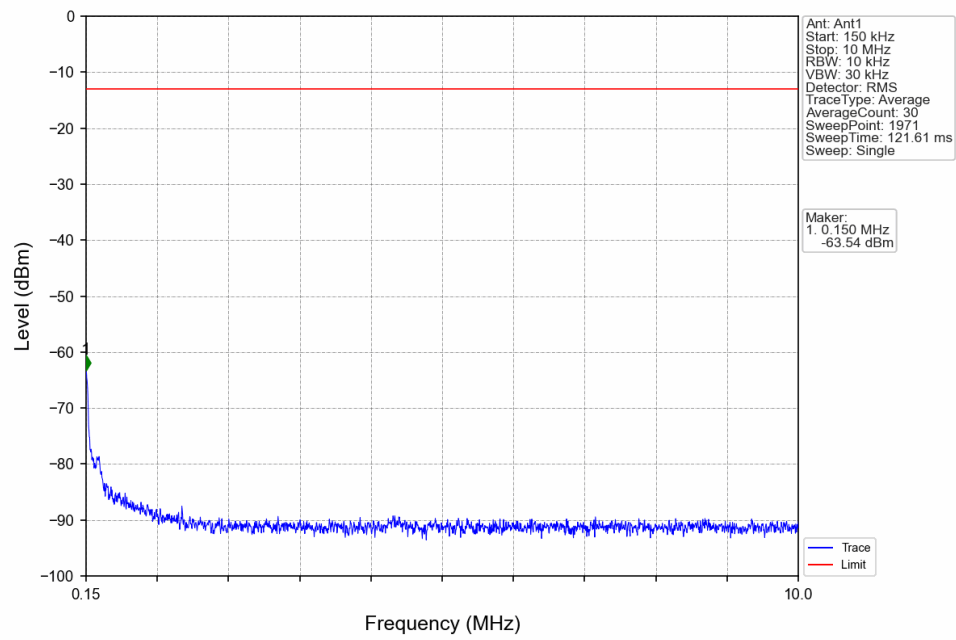
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



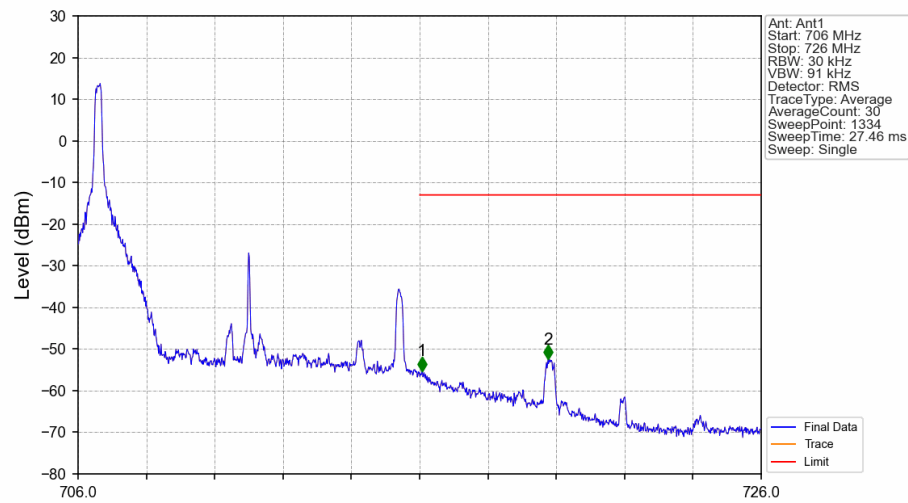
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV

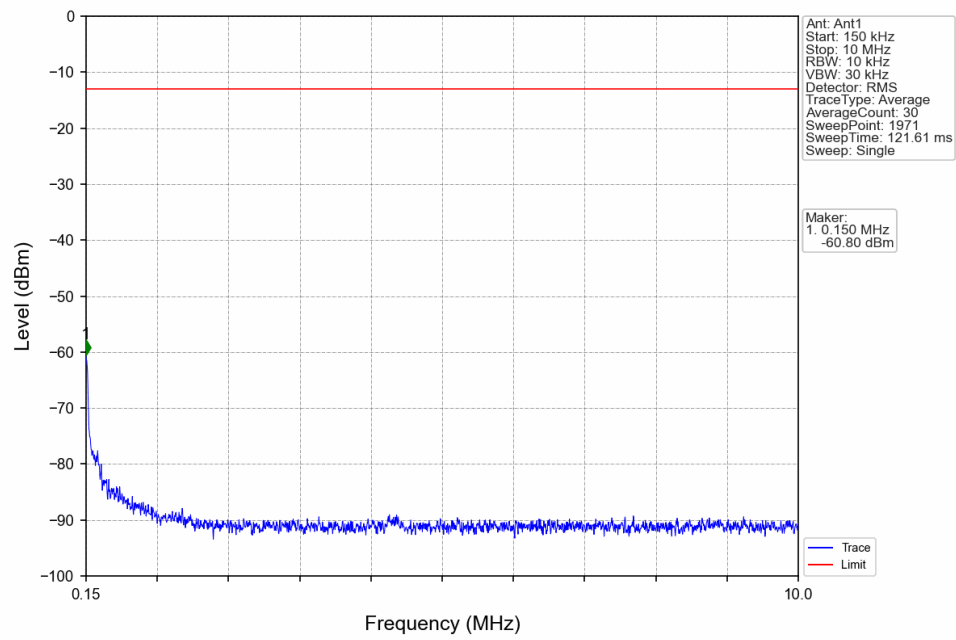


Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

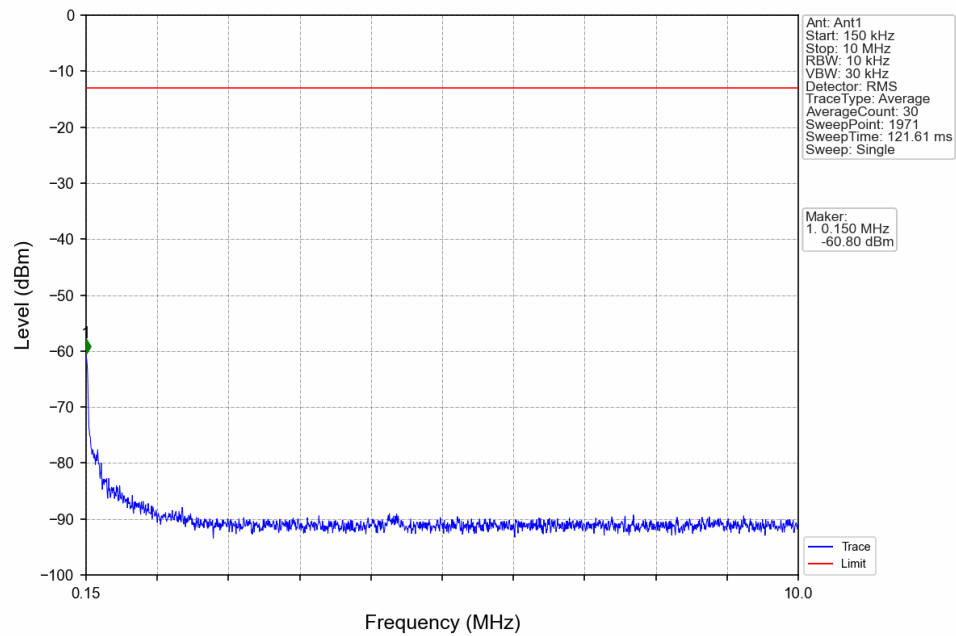


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.068	-55.27	-13	Pass
716.1	726	0.1	/	2	719.758	-52.47	-13	Pass

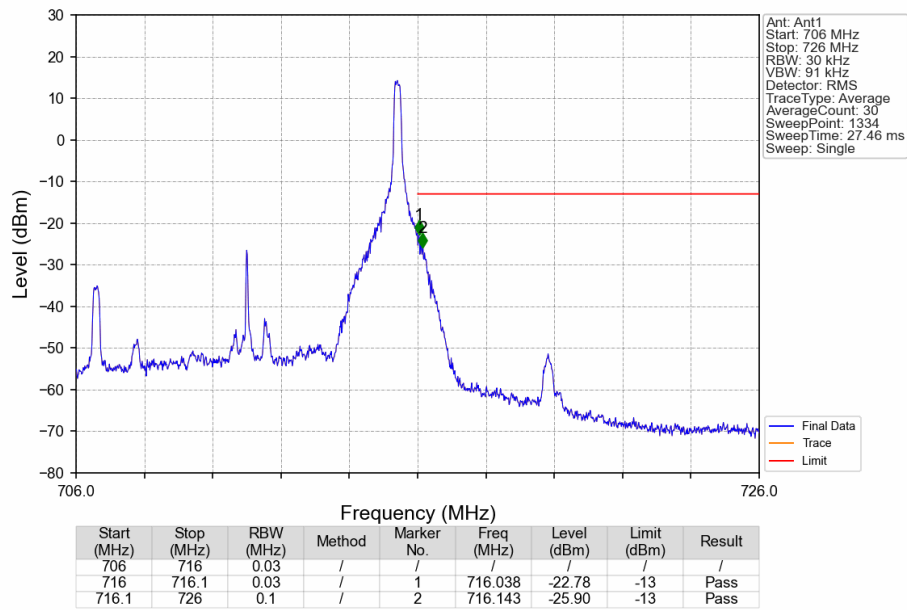
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



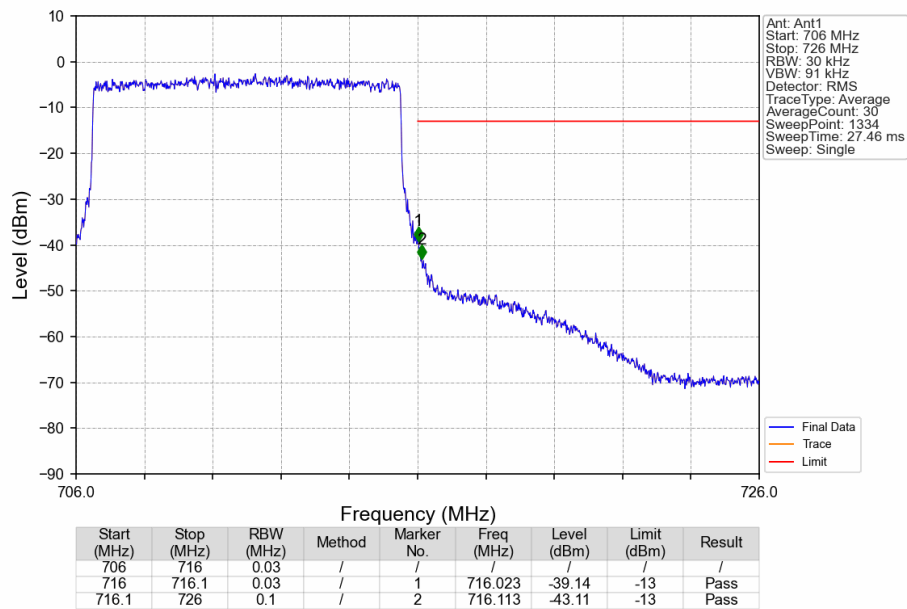
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1549	0.0145	ppm	4M58G7D	27H	21.90
17	5	706.5	713.5	0.1294	0.0151	ppm	4M57W7D	27H	21.12
17	10	709	711	0.1596	0.0133	ppm	9M09G7D	27H	22.03
17	10	709	711	0.1435	0.0133	ppm	9M07W7D	27H	21.57

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.0531	0.0145	ppm	4M58G7D	27H	17.25
17	5	706.5	713.5	0.0444	0.0151	ppm	4M57W7D	27H	16.47
17	10	709	711	0.0547	0.0133	ppm	9M09G7D	27H	17.38
17	10	709	711	0.0492	0.0133	ppm	9M07W7D	27H	16.92