

1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	23.59	-2.58	18.86	<=34.77	Pass
			13	23.66	-2.58	18.93	<=34.77	Pass
			24	23.67	-2.58	18.94	<=34.77	Pass
		12	0	22.68	-2.58	17.95	<=34.77	Pass
			6	22.72	-2.58	17.99	<=34.77	Pass
			13	22.72	-2.58	17.99	<=34.77	Pass
		25	0	22.72	-2.58	17.99	<=34.77	Pass
	710	1	0	23.63	-2.58	18.90	<=34.77	Pass
			13	23.70	-2.58	18.97	<=34.77	Pass
			24	23.72	-2.58	18.99	<=34.77	Pass
		12	0	22.76	-2.58	18.03	<=34.77	Pass
			6	22.59	-2.58	17.86	<=34.77	Pass
			13	22.72	-2.58	17.99	<=34.77	Pass
		25	0	22.70	-2.58	17.97	<=34.77	Pass
	713.5	1	0	23.72	-2.58	18.99	<=34.77	Pass
			13	23.50	-2.58	18.77	<=34.77	Pass
			24	23.56	-2.58	18.83	<=34.77	Pass
		12	0	22.77	-2.58	18.04	<=34.77	Pass
			6	22.76	-2.58	18.03	<=34.77	Pass
			13	22.64	-2.58	17.91	<=34.77	Pass
		25	0	22.63	-2.58	17.90	<=34.77	Pass
16QAM	706.5	1	0	21.78	-2.58	17.05	<=34.77	Pass
			13	21.82	-2.58	17.09	<=34.77	Pass
			24	21.88	-2.58	17.15	<=34.77	Pass
		12	0	21.60	-2.58	16.87	<=34.77	Pass
			6	21.60	-2.58	16.87	<=34.77	Pass
			13	22.04	-2.58	17.31	<=34.77	Pass
		25	0	21.69	-2.58	16.96	<=34.77	Pass
	710	1	0	22.39	-2.58	17.66	<=34.77	Pass
			13	22.37	-2.58	17.64	<=34.77	Pass
			24	22.43	-2.58	17.70	<=34.77	Pass
		12	0	21.93	-2.58	17.20	<=34.77	Pass
			6	21.52	-2.58	16.79	<=34.77	Pass
			13	21.64	-2.58	16.91	<=34.77	Pass
		25	0	21.58	-2.58	16.85	<=34.77	Pass
	713.5	1	0	22.70	-2.58	17.97	<=34.77	Pass
			13	22.69	-2.58	17.96	<=34.77	Pass
			24	22.70	-2.58	17.97	<=34.77	Pass
		12	0	21.72	-2.58	16.99	<=34.77	Pass
			6	21.72	-2.58	16.99	<=34.77	Pass
			13	21.73	-2.58	17.00	<=34.77	Pass
		25	0	21.81	-2.58	17.08	<=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	23.54	-2.58	18.81	<=34.77	Pass
			25	23.52	-2.58	18.79	<=34.77	Pass
			49	23.63	-2.58	18.90	<=34.77	Pass
		25	0	22.76	-2.58	18.03	<=34.77	Pass
			13	22.71	-2.58	17.98	<=34.77	Pass
			25	22.81	-2.58	18.08	<=34.77	Pass
		50	0	22.76	-2.58	18.03	<=34.77	Pass
	710	1	0	23.65	-2.58	18.92	<=34.77	Pass
			25	23.68	-2.58	18.95	<=34.77	Pass
			49	23.61	-2.58	18.88	<=34.77	Pass
		25	0	22.70	-2.58	17.97	<=34.77	Pass
			13	22.54	-2.58	17.81	<=34.77	Pass
			25	22.78	-2.58	18.05	<=34.77	Pass
		50	0	22.69	-2.58	17.96	<=34.77	Pass
	711	1	0	23.52	-2.58	18.79	<=34.77	Pass
			25	23.51	-2.58	18.78	<=34.77	Pass
			49	23.57	-2.58	18.84	<=34.77	Pass
		25	0	22.66	-2.58	17.93	<=34.77	Pass
			13	22.50	-2.58	17.77	<=34.77	Pass
			25	22.72	-2.58	17.99	<=34.77	Pass
		50	0	22.74	-2.58	18.01	<=34.77	Pass
16QAM	709	1	0	23.04	-2.58	18.31	<=34.77	Pass
			25	23.09	-2.58	18.36	<=34.77	Pass
			49	23.08	-2.58	18.35	<=34.77	Pass
		25	0	21.57	-2.58	16.84	<=34.77	Pass
			13	22.05	-2.58	17.32	<=34.77	Pass
			25	21.72	-2.58	16.99	<=34.77	Pass
		50	0	22.05	-2.58	17.32	<=34.77	Pass
	710	1	0	23.41	-2.58	18.68	<=34.77	Pass
			25	23.26	-2.58	18.53	<=34.77	Pass
			49	23.40	-2.58	18.67	<=34.77	Pass
		25	0	22.03	-2.58	17.30	<=34.77	Pass
			13	21.62	-2.58	16.89	<=34.77	Pass
			25	21.81	-2.58	17.08	<=34.77	Pass
		50	0	21.71	-2.58	16.98	<=34.77	Pass
	711	1	0	22.39	-2.58	17.66	<=34.77	Pass
			25	22.35	-2.58	17.62	<=34.77	Pass
			49	22.40	-2.58	17.67	<=34.77	Pass
		25	0	22.18	-2.58	17.45	<=34.77	Pass
			13	21.79	-2.58	17.06	<=34.77	Pass
			25	21.96	-2.58	17.23	<=34.77	Pass
		50	0	21.66	-2.58	16.93	<=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	-6.795	-0.0096	-2.5 to 2.5	Pass
					3.85	-11.830	-0.0167	-2.5 to 2.5	Pass
					4.43	-18.282	-0.0259	-2.5 to 2.5	Pass
				-30	3.85	-23.403	-0.0331	-2.5 to 2.5	Pass
				-20	3.85	-29.297	-0.0415	-2.5 to 2.5	Pass
				-10	3.85	-35.076	-0.0496	-2.5 to 2.5	Pass
				0	3.85	-40.498	-0.0573	-2.5 to 2.5	Pass
				10	3.85	-47.507	-0.0672	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-10.257	-0.0145	-2.5 to 2.5	Pass
				50	3.85	-15.678	-0.0222	-2.5 to 2.5	Pass
	710	25	0	20	3.27	3.247	0.0046	-2.5 to 2.5	Pass
					3.85	6.080	0.0086	-2.5 to 2.5	Pass
					4.43	3.805	0.0054	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-12.331	-0.0174	-2.5 to 2.5	Pass
				0	3.85	-26.264	-0.0370	-2.5 to 2.5	Pass
				10	3.85	-33.288	-0.0469	-2.5 to 2.5	Pass
				30	3.85	-39.010	-0.0549	-2.5 to 2.5	Pass
				40	3.85	-44.289	-0.0624	-2.5 to 2.5	Pass
				50	3.85	-5.622	-0.0079	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.273	-0.0018	-2.5 to 2.5	Pass
					3.85	1.273	0.0018	-2.5 to 2.5	Pass
					4.43	4.892	0.0069	-2.5 to 2.5	Pass
				-30	3.85	9.027	0.0127	-2.5 to 2.5	Pass
				-20	3.85	13.175	0.0185	-2.5 to 2.5	Pass
				-10	3.85	14.048	0.0197	-2.5 to 2.5	Pass
				0	3.85	18.539	0.0260	-2.5 to 2.5	Pass
				10	3.85	21.687	0.0304	-2.5 to 2.5	Pass
				30	3.85	24.276	0.0340	-2.5 to 2.5	Pass
				40	3.85	26.035	0.0365	-2.5 to 2.5	Pass
				50	3.85	28.625	0.0401	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-22.144	-0.0313	-2.5 to 2.5	Pass
					3.85	-24.662	-0.0349	-2.5 to 2.5	Pass
					4.43	-25.005	-0.0354	-2.5 to 2.5	Pass
				-30	3.85	-21.930	-0.0310	-2.5 to 2.5	Pass
				-20	3.85	-16.866	-0.0239	-2.5 to 2.5	Pass
				-10	3.85	-10.357	-0.0147	-2.5 to 2.5	Pass
				0	3.85	-5.293	-0.0075	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				30	3.85	7.281	0.0103	-2.5 to 2.5	Pass
				40	3.85	12.517	0.0177	-2.5 to 2.5	Pass
				50	3.85	18.611	0.0263	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-8.168	-0.0115	-2.5 to 2.5	Pass
					3.85	-11.659	-0.0164	-2.5 to 2.5	Pass
					4.43	-8.268	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	3.963	0.0056	-2.5 to 2.5	Pass
				-10	3.85	11.659	0.0164	-2.5 to 2.5	Pass
				0	3.85	18.296	0.0258	-2.5 to 2.5	Pass
				0	3.85	18.296	0.0258	-2.5 to 2.5	Pass

	713.5	25	0	10	3.85	25.821	0.0364	-2.5 to 2.5	Pass
				30	3.85	30.913	0.0435	-2.5 to 2.5	Pass
				40	3.85	37.265	0.0525	-2.5 to 2.5	Pass
				50	3.85	43.645	0.0615	-2.5 to 2.5	Pass
				20	3.27	30.785	0.0431	-2.5 to 2.5	Pass
					3.85	34.361	0.0482	-2.5 to 2.5	Pass
					4.43	38.309	0.0537	-2.5 to 2.5	Pass
				-30	3.85	39.797	0.0558	-2.5 to 2.5	Pass
				-20	3.85	42.744	0.0599	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.947	0.0041	-2.5 to 2.5	Pass
				10	3.85	4.563	0.0064	-2.5 to 2.5	Pass
				30	3.85	7.238	0.0101	-2.5 to 2.5	Pass
				40	3.85	10.214	0.0143	-2.5 to 2.5	Pass
				50	3.85	12.589	0.0176	-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	-4.478	-0.0063	-2.5 to 2.5	Pass
					3.85	-9.184	-0.0130	-2.5 to 2.5	Pass
					4.43	-17.853	-0.0252	-2.5 to 2.5	Pass
				-30	3.85	-28.553	-0.0403	-2.5 to 2.5	Pass
				-20	3.85	-38.824	-0.0548	-2.5 to 2.5	Pass
				-10	3.85	-43.244	-0.0610	-2.5 to 2.5	Pass
				0	3.85	-9.069	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-18.196	-0.0257	-2.5 to 2.5	Pass
				30	3.85	-27.237	-0.0384	-2.5 to 2.5	Pass
				40	3.85	-35.920	-0.0507	-2.5 to 2.5	Pass
				50	3.85	-44.317	-0.0625	-2.5 to 2.5	Pass
	710	50	0	20	3.27	3.920	0.0055	-2.5 to 2.5	Pass
					3.85	5.178	0.0073	-2.5 to 2.5	Pass
					4.43	1.731	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.350	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-11.759	-0.0166	-2.5 to 2.5	Pass
				-10	3.85	-20.127	-0.0283	-2.5 to 2.5	Pass
				0	3.85	-27.781	-0.0391	-2.5 to 2.5	Pass
				10	3.85	-35.305	-0.0497	-2.5 to 2.5	Pass
				30	3.85	-41.656	-0.0587	-2.5 to 2.5	Pass
				40	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-10.328	-0.0145	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.467	-0.0105	-2.5 to 2.5	Pass
					3.85	-6.924	-0.0097	-2.5 to 2.5	Pass
					4.43	-12.689	-0.0178	-2.5 to 2.5	Pass
				-30	3.85	-21.043	-0.0296	-2.5 to 2.5	Pass
				-20	3.85	-30.327	-0.0427	-2.5 to 2.5	Pass
				-10	3.85	-38.753	-0.0545	-2.5 to 2.5	Pass
				0	3.85	-47.393	-0.0667	-2.5 to 2.5	Pass
				10	3.85	-2.017	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-9.985	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-17.281	-0.0243	-2.5 to 2.5	Pass
				50	3.85	-26.793	-0.0377	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-6.609	-0.0093	-2.5 to 2.5	Pass

					3.85	-13.661	-0.0193	-2.5 to 2.5	Pass
					4.43	-19.627	-0.0277	-2.5 to 2.5	Pass
				-30	3.85	-26.908	-0.0380	-2.5 to 2.5	Pass
				-20	3.85	-27.952	-0.0394	-2.5 to 2.5	Pass
				-10	3.85	-22.888	-0.0323	-2.5 to 2.5	Pass
				0	3.85	-15.793	-0.0223	-2.5 to 2.5	Pass
				10	3.85	-8.340	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	3.85	7.796	0.0110	-2.5 to 2.5	Pass
				50	3.85	15.092	0.0213	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-10.042	-0.0141	-2.5 to 2.5	Pass
					3.85	-4.091	-0.0058	-2.5 to 2.5	Pass
					4.43	0.072	0.0001	-2.5 to 2.5	Pass
				-30	3.85	7.195	0.0101	-2.5 to 2.5	Pass
				-20	3.85	15.264	0.0215	-2.5 to 2.5	Pass
				-10	3.85	21.329	0.0300	-2.5 to 2.5	Pass
				0	3.85	29.984	0.0422	-2.5 to 2.5	Pass
				10	3.85	36.936	0.0520	-2.5 to 2.5	Pass
				30	3.85	43.330	0.0610	-2.5 to 2.5	Pass
				40	3.85	4.191	0.0059	-2.5 to 2.5	Pass
	50	3.85	10.142	0.0143	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-29.969	-0.0422	-2.5 to 2.5	Pass
					3.85	-28.338	-0.0399	-2.5 to 2.5	Pass
					4.43	-21.744	-0.0306	-2.5 to 2.5	Pass
				-30	3.85	-15.922	-0.0224	-2.5 to 2.5	Pass
				-20	3.85	-8.311	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	3.85	7.052	0.0099	-2.5 to 2.5	Pass
				10	3.85	14.377	0.0202	-2.5 to 2.5	Pass
				30	3.85	21.400	0.0301	-2.5 to 2.5	Pass
				40	3.85	27.337	0.0384	-2.5 to 2.5	Pass
	50	3.85	33.889	0.0477	-2.5 to 2.5	Pass			

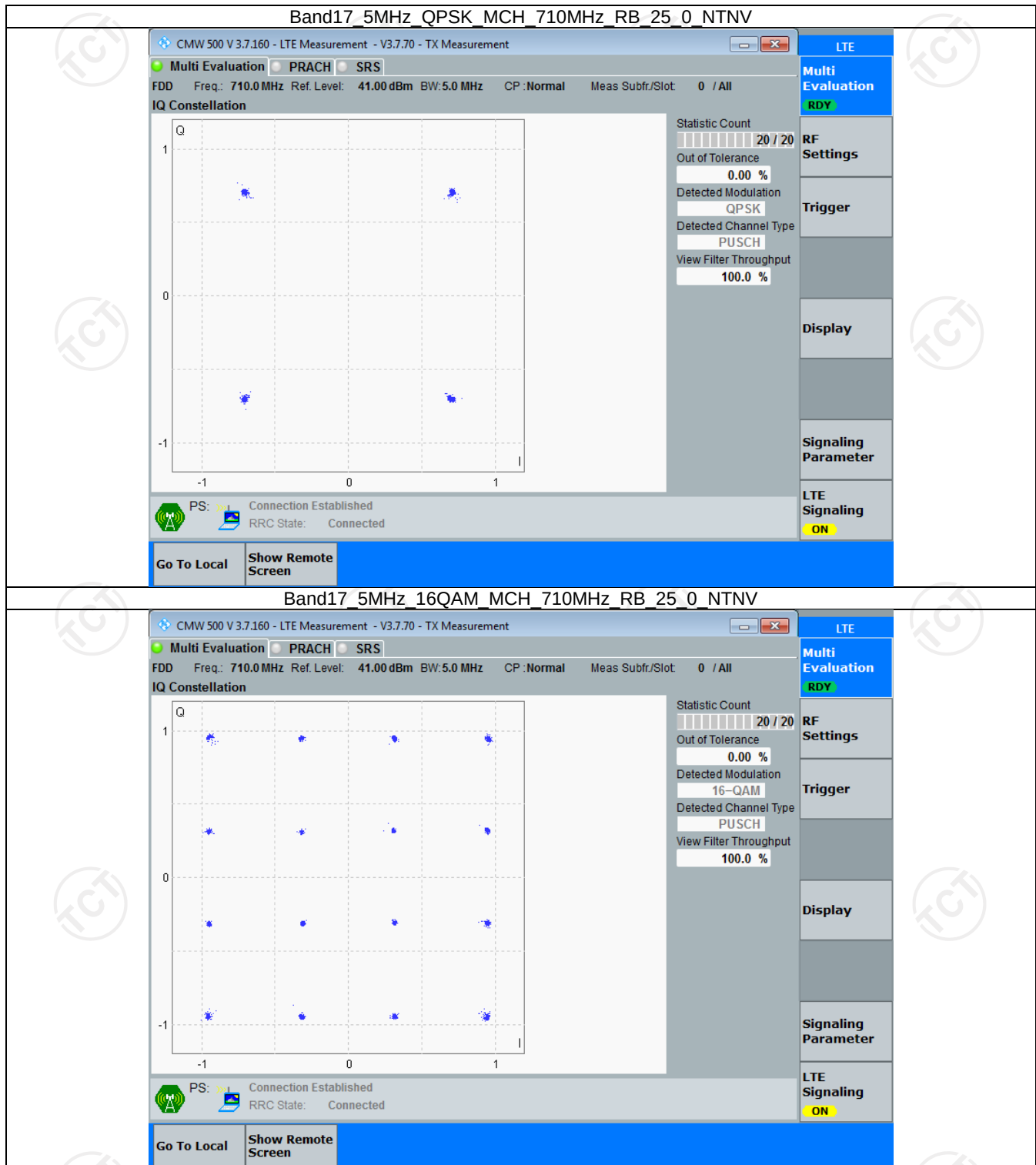
3. Modulation Characteristics

3.1 B17_5MHz

3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTVN						
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





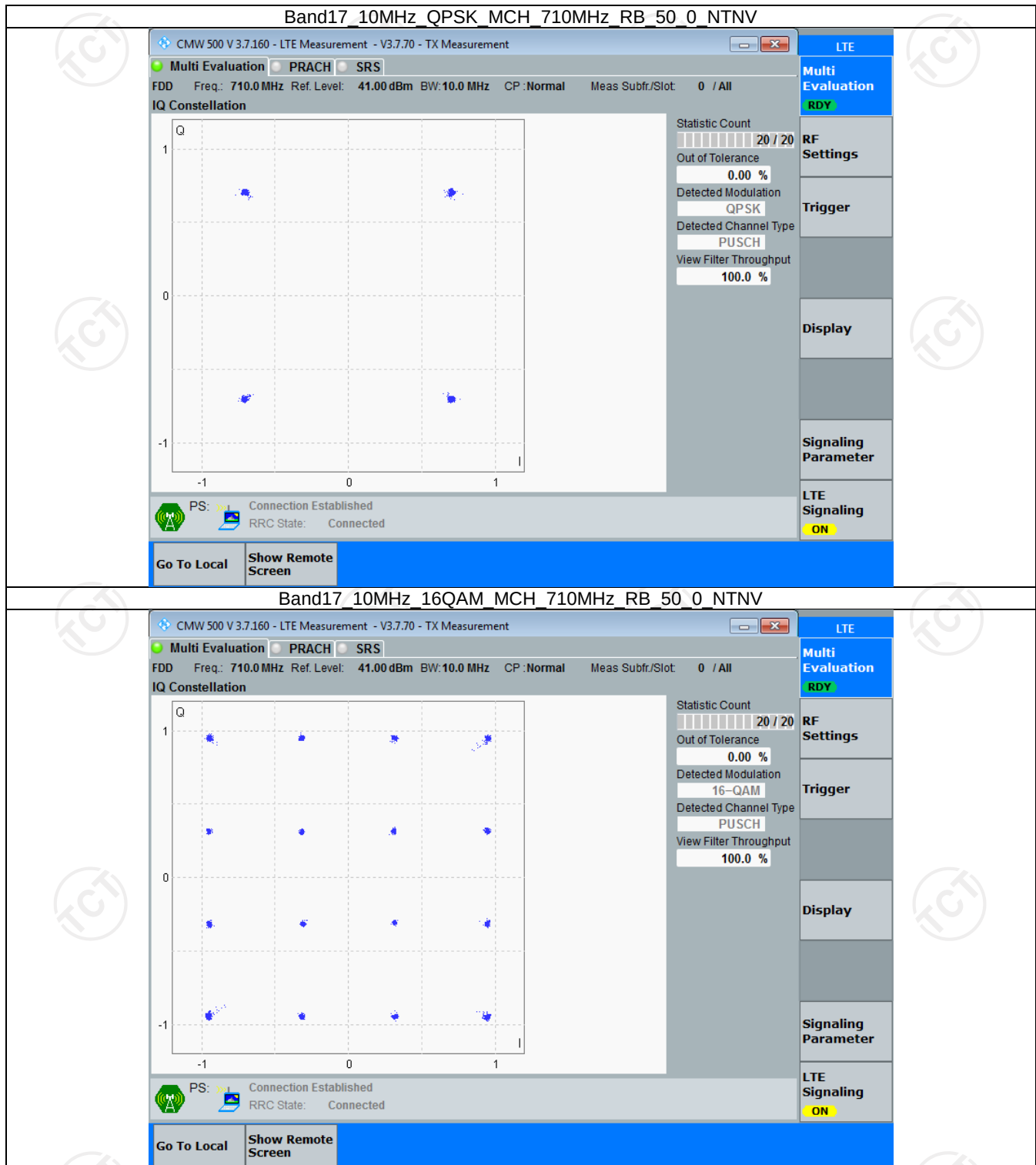
3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
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



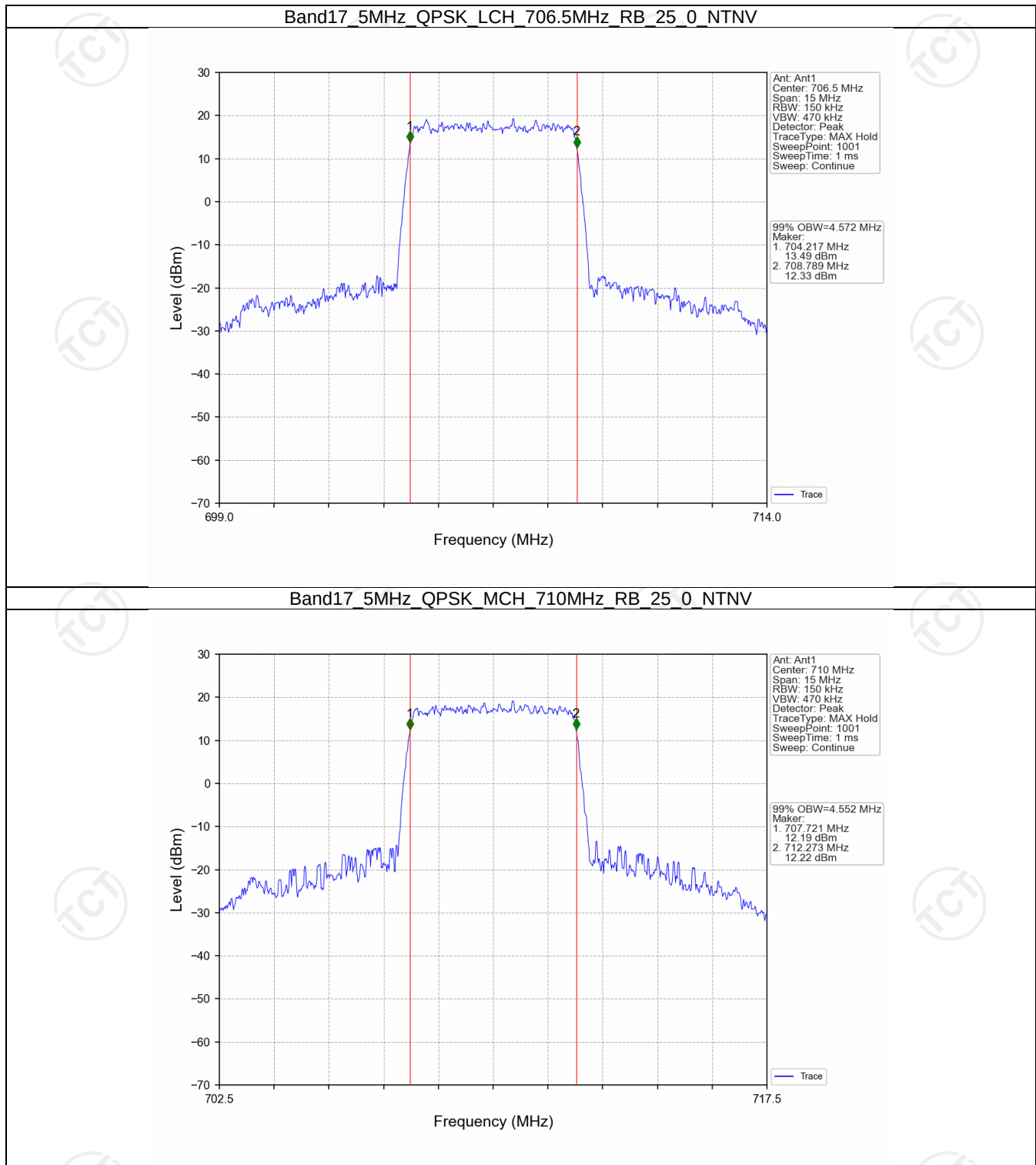
4. 99% & 26dB Bandwidth

4.1 Band17_OBW

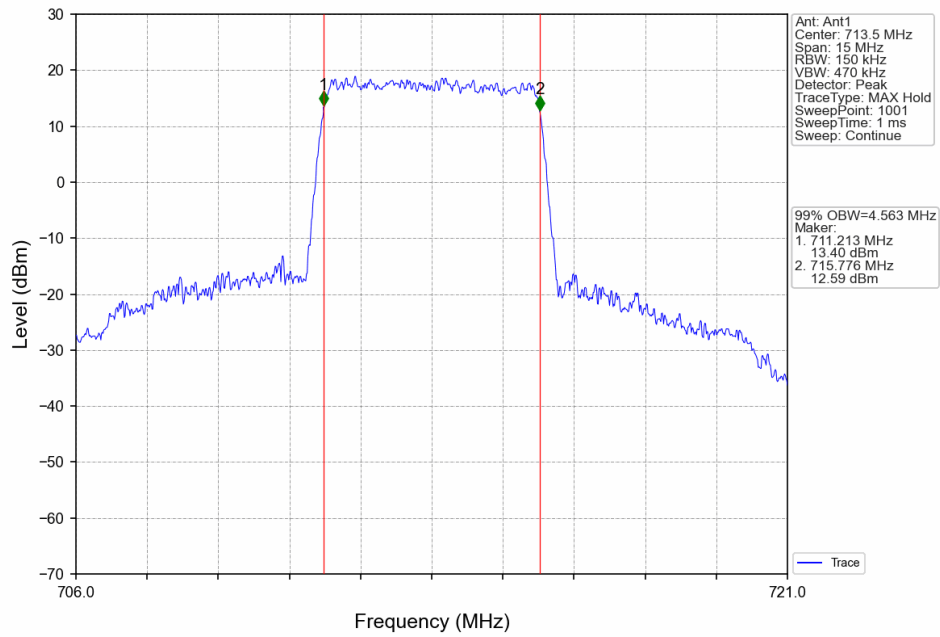
4.1.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.572	Pass
		710	25	0	4.552	Pass
		713.5	25	0	4.563	Pass
	16QAM	706.5	25	0	4.543	Pass
		710	25	0	4.550	Pass
		713.5	25	0	4.549	Pass
10	QPSK	709	50	0	9.052	Pass
		710	50	0	9.043	Pass
		711	50	0	9.066	Pass
	16QAM	709	50	0	9.029	Pass
		710	50	0	9.041	Pass
		711	50	0	9.054	Pass

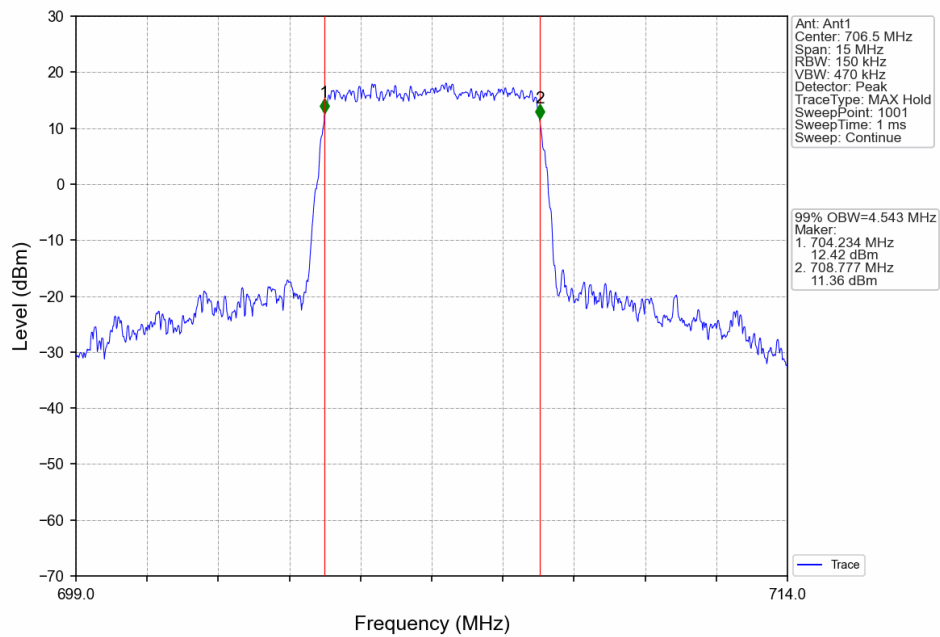
4.1.2 Test Graph



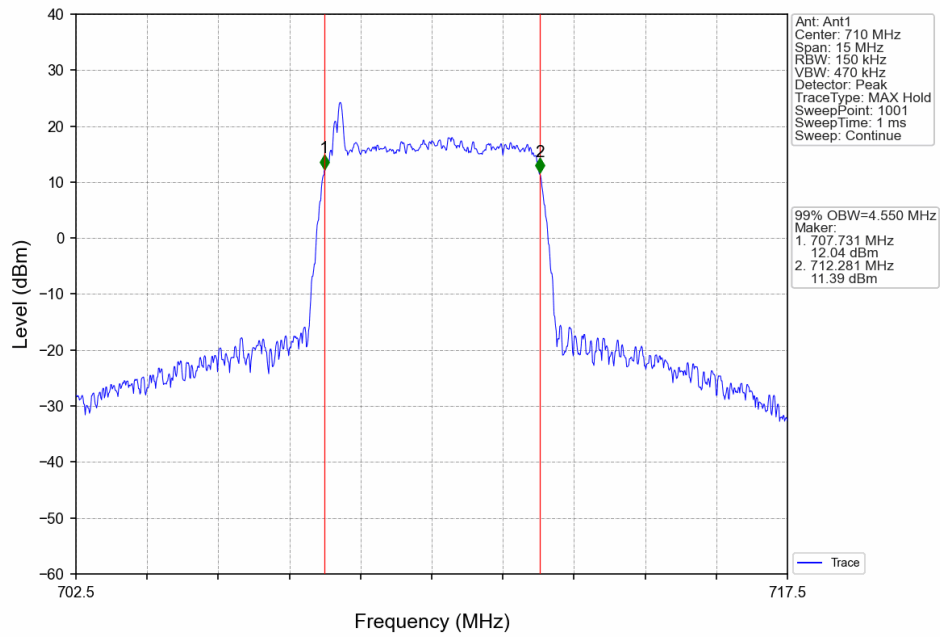
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



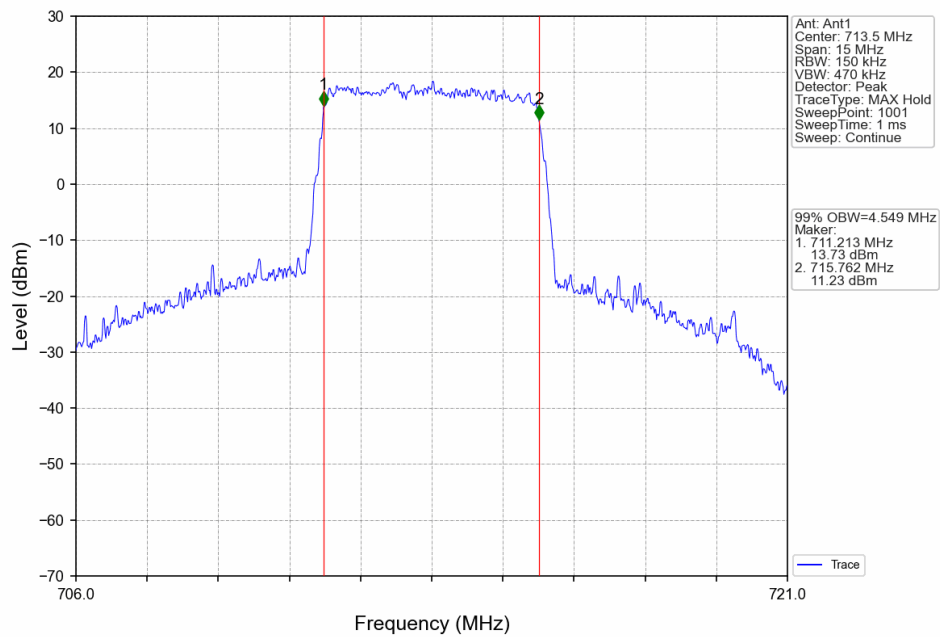
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



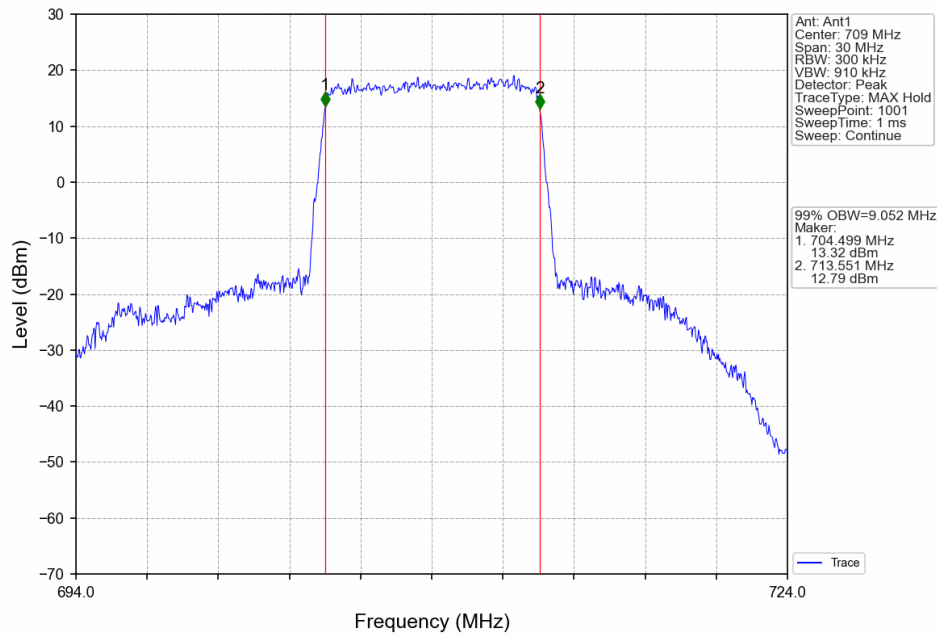
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



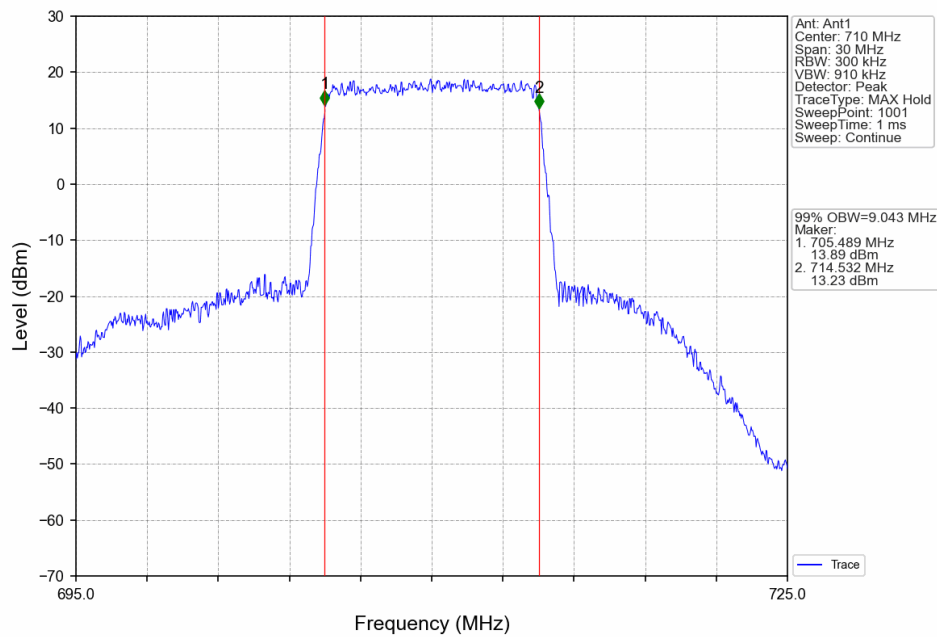
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



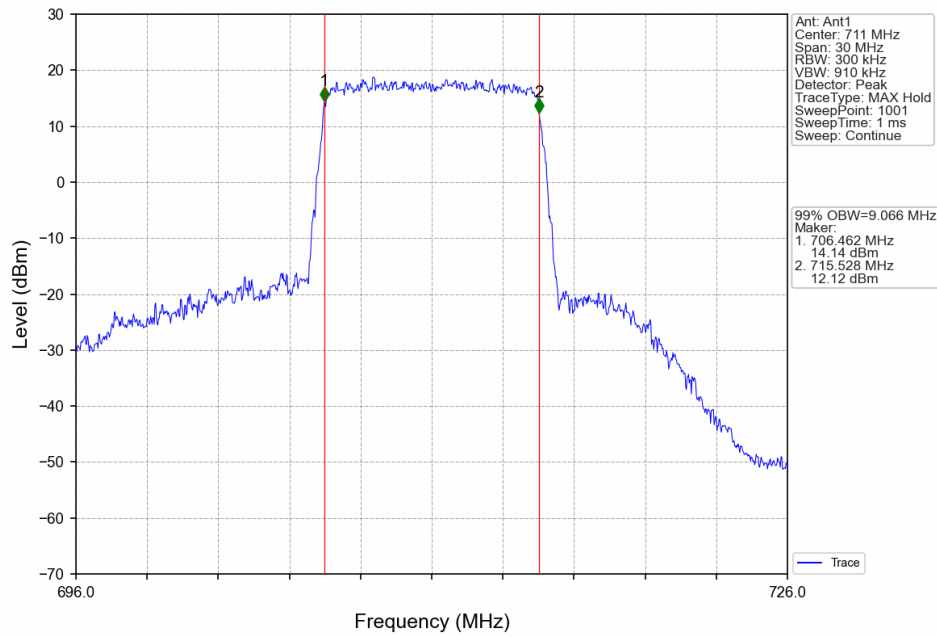
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



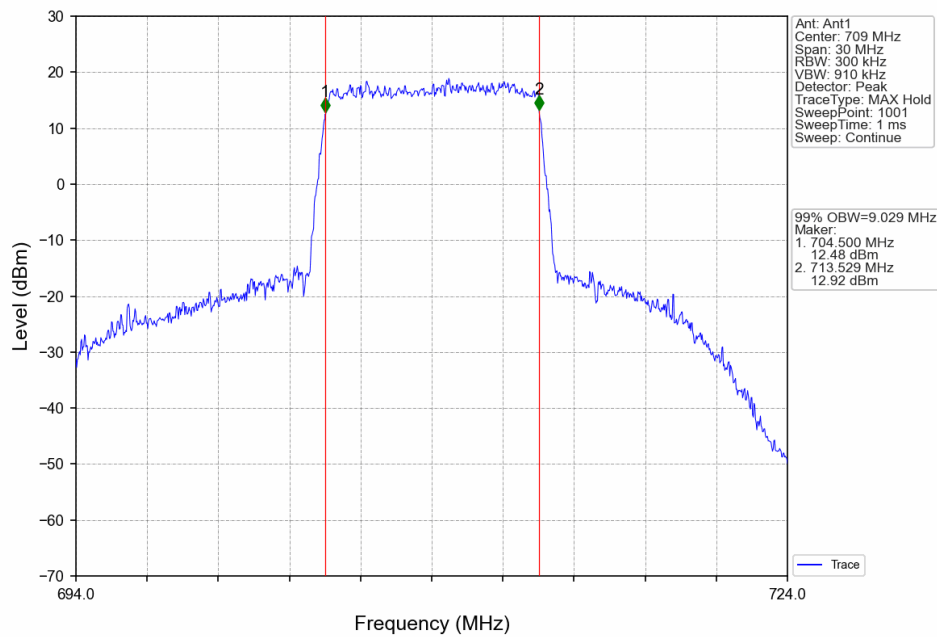
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



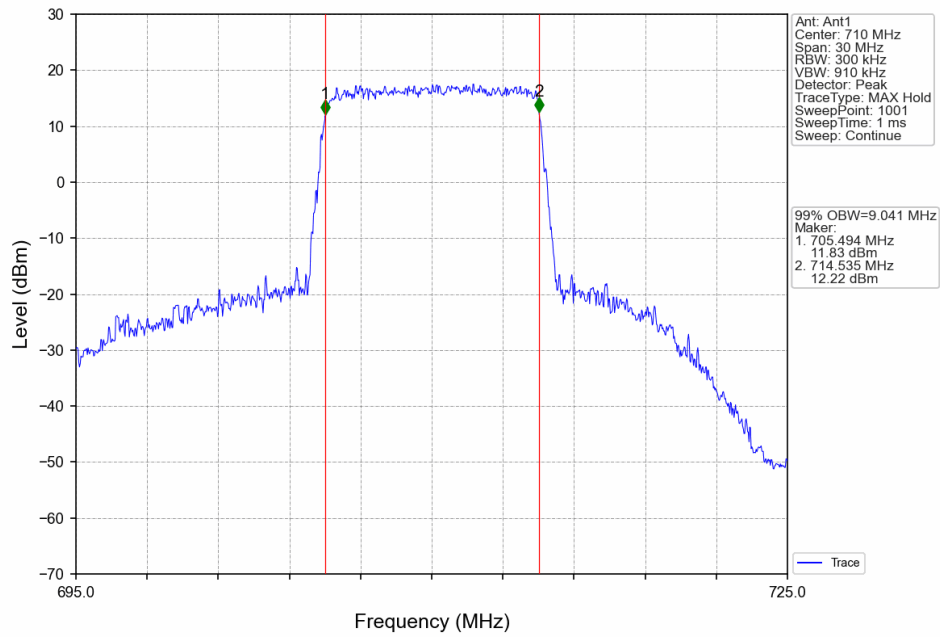
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



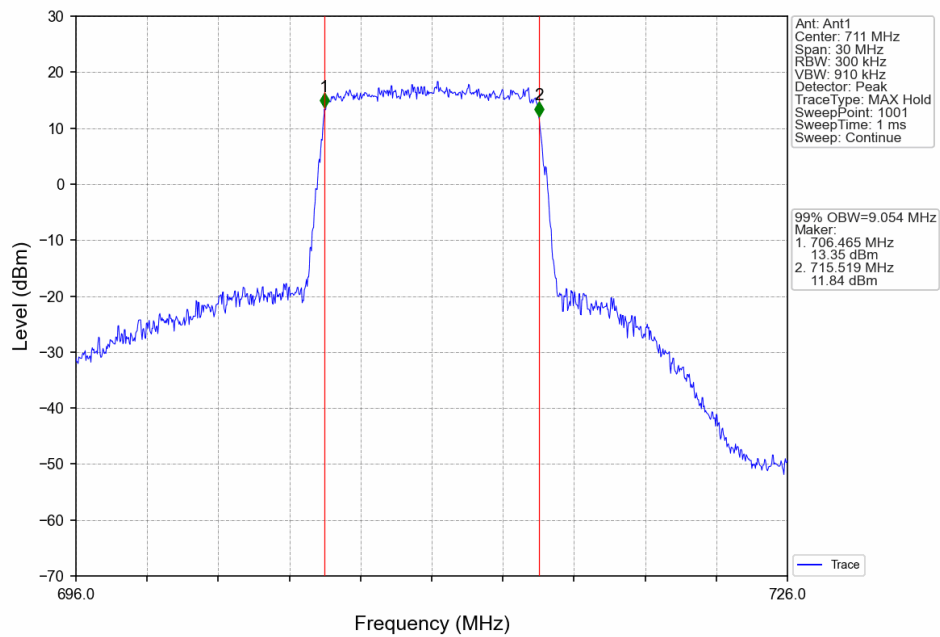
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

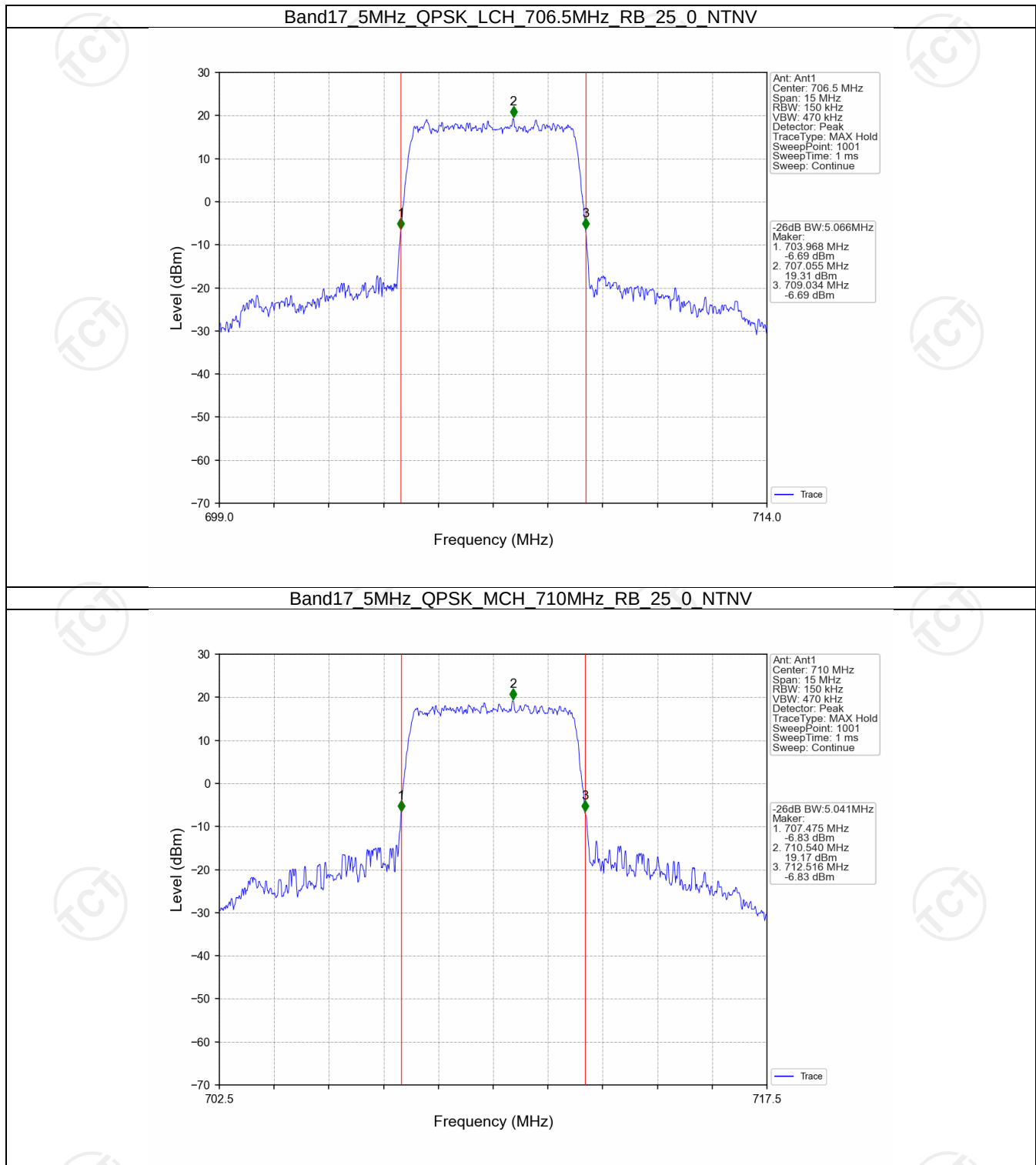


4.2 Band17_XDB

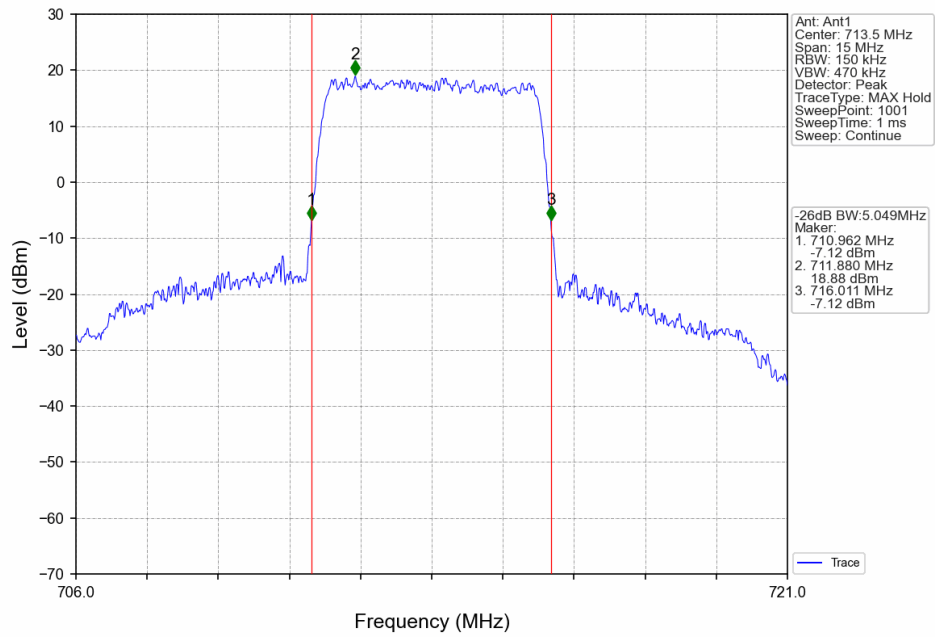
4.2.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	5.066	Pass
		710	25	0	5.041	Pass
		713.5	25	0	5.049	Pass
	16QAM	706.5	25	0	5.063	Pass
		710	25	0	4.924	Pass
		713.5	25	0	5.049	Pass
10	QPSK	709	50	0	10.043	Pass
		710	50	0	9.980	Pass
		711	50	0	10.077	Pass
	16QAM	709	50	0	10.017	Pass
		710	50	0	10.055	Pass
		711	50	0	9.997	Pass

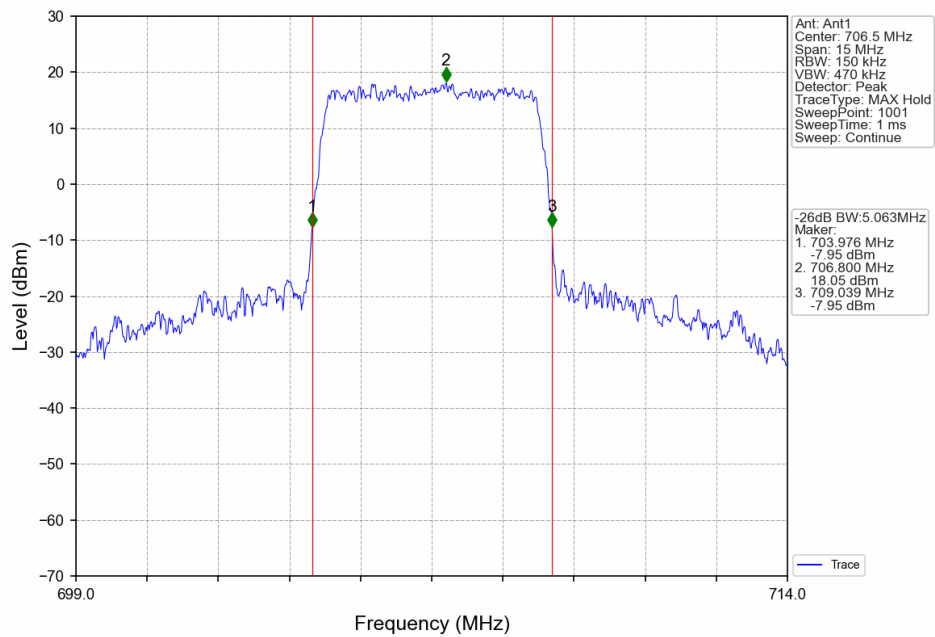
4.2.2 Test Graph



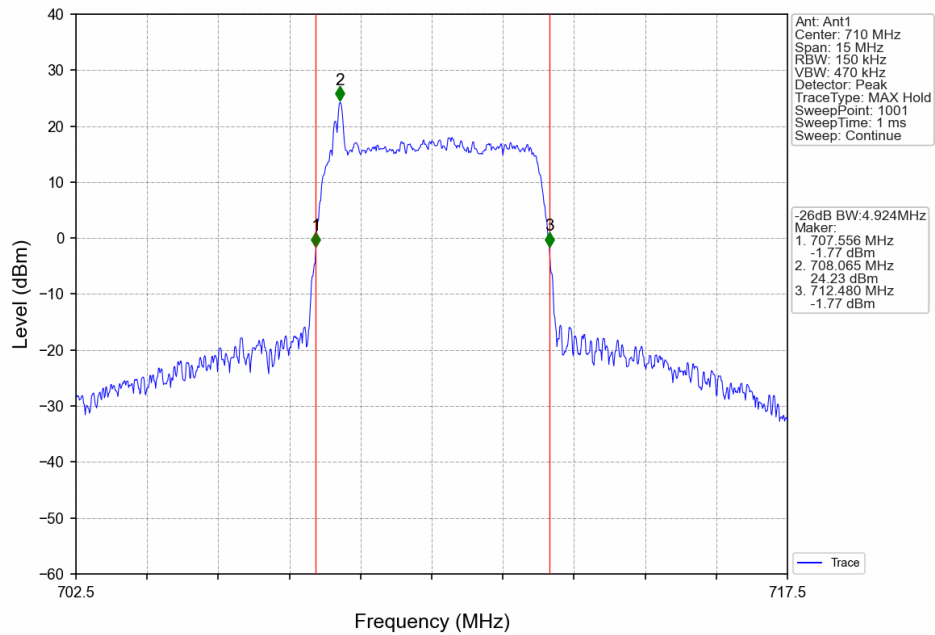
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



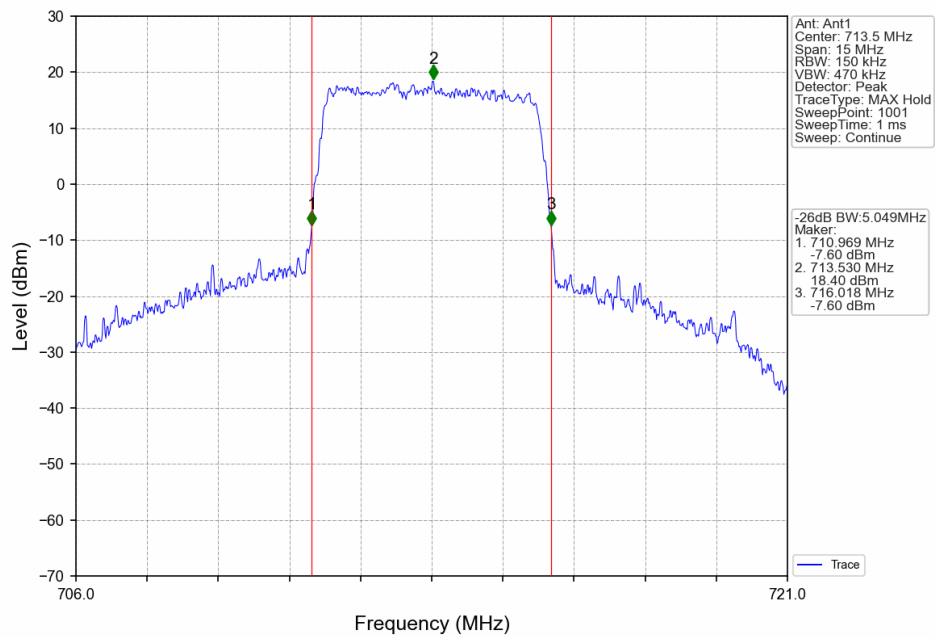
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



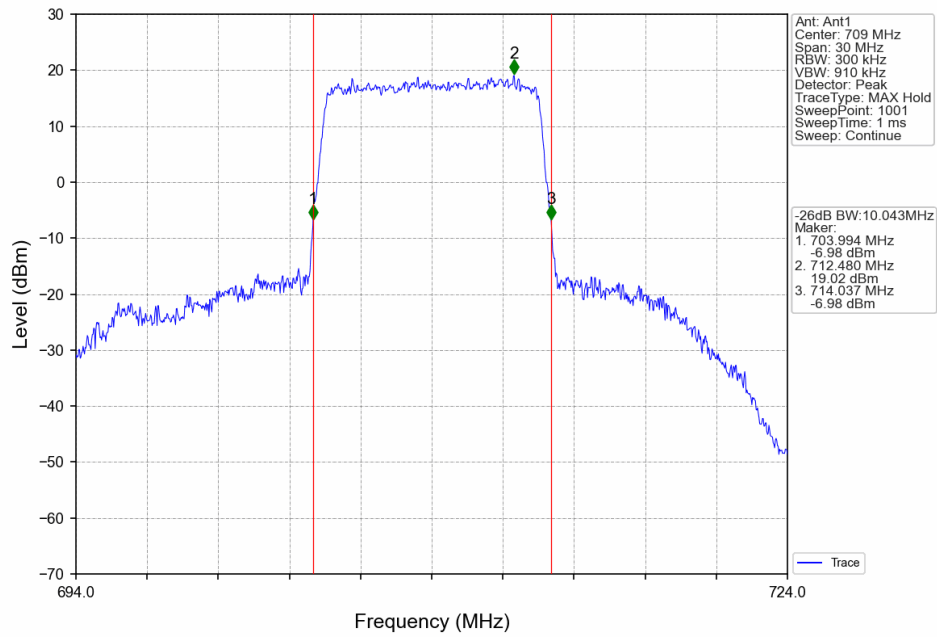
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



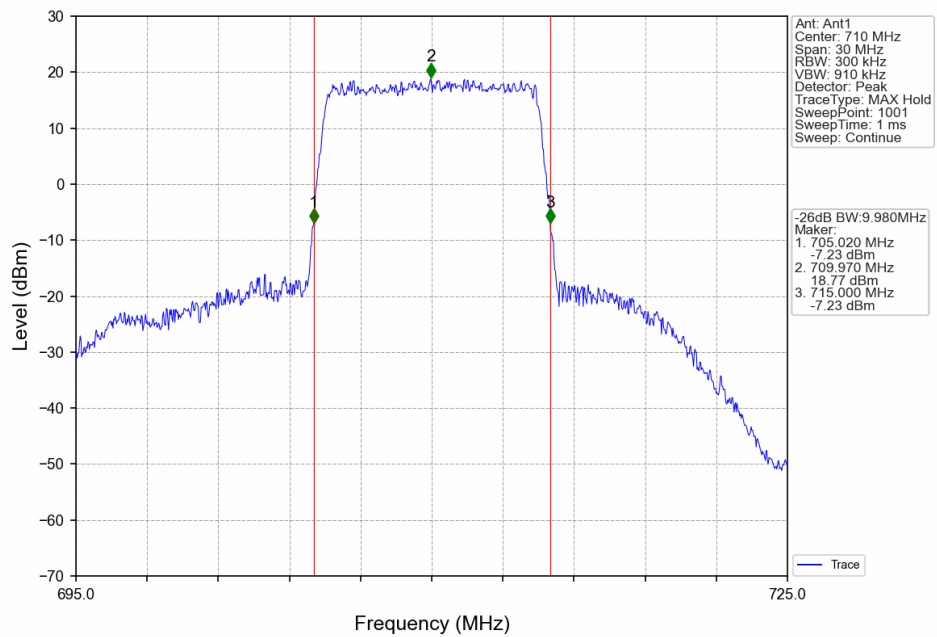
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



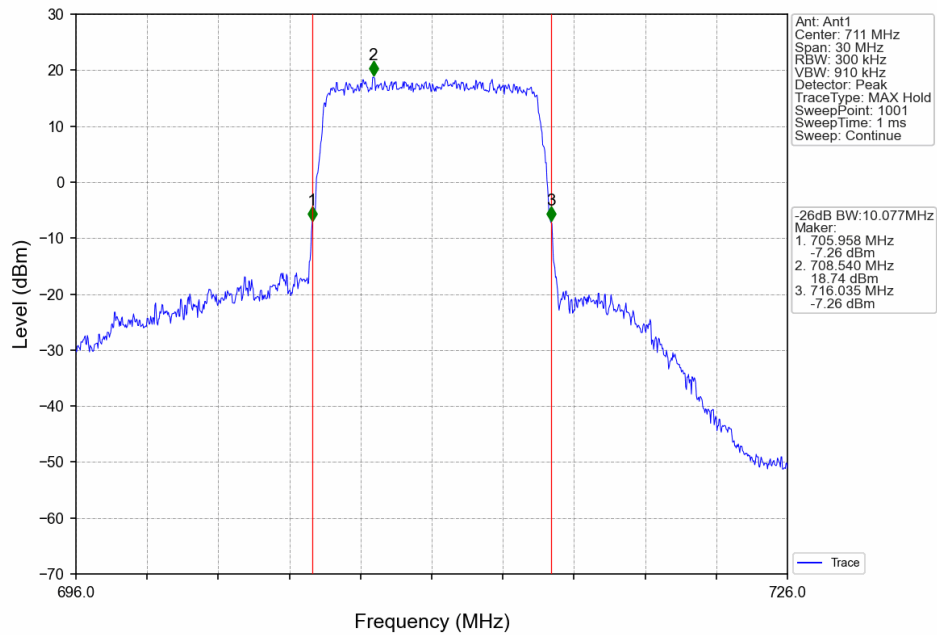
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



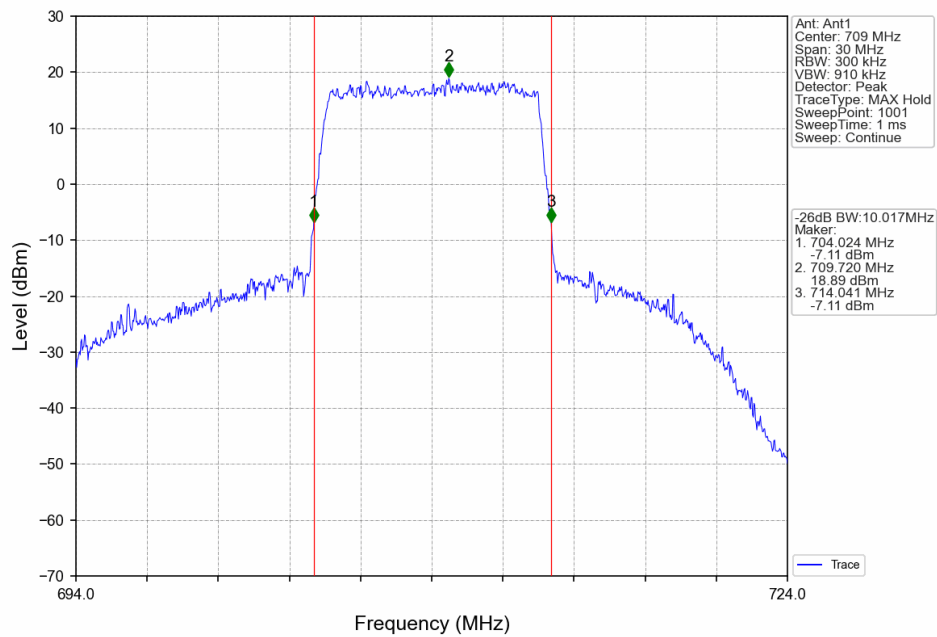
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



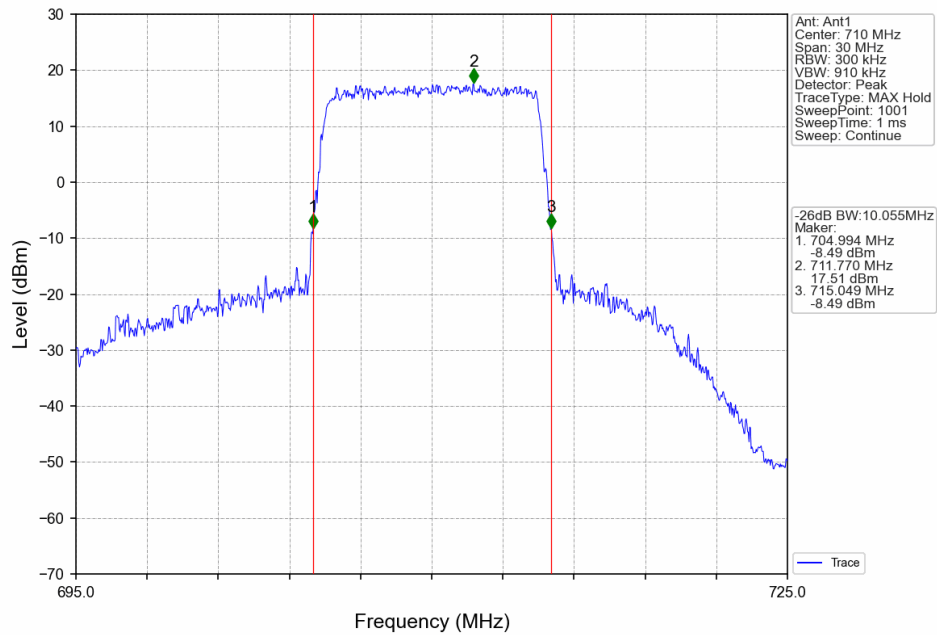
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



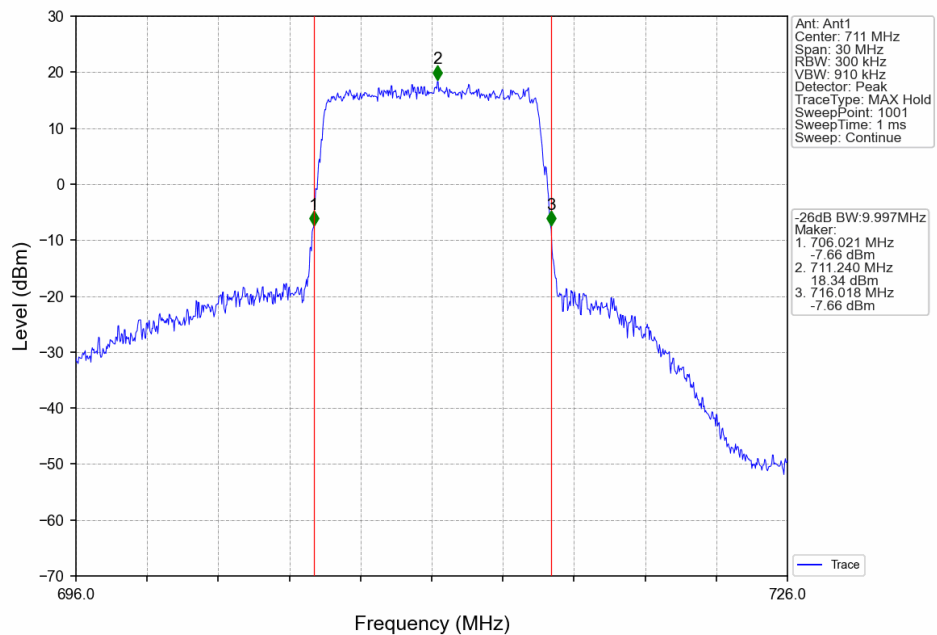
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



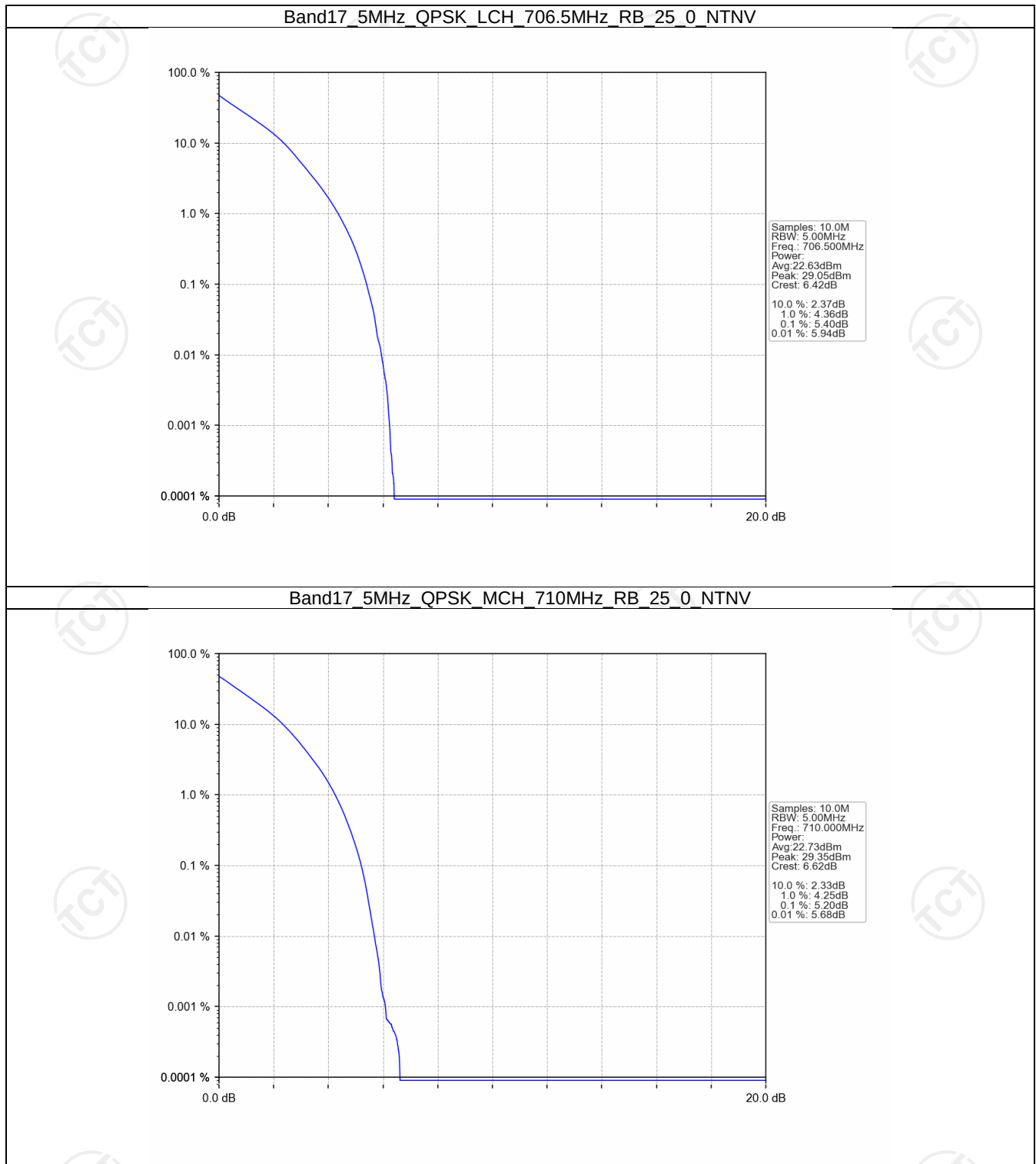
5. Peak-Average Ratio

5.1 B17_5MHz

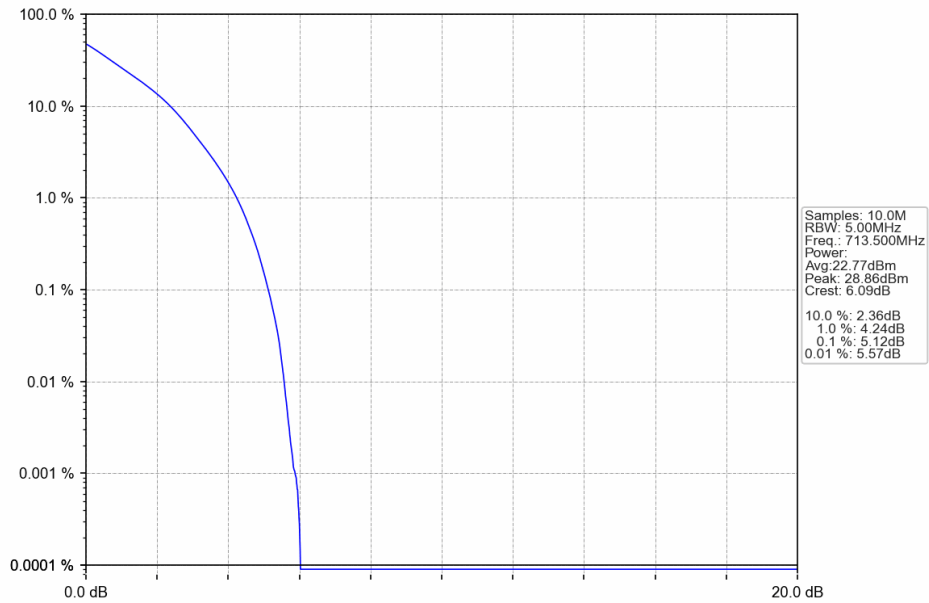
5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.40	<=13	Pass
	710	25	0	5.20	<=13	Pass
	713.5	25	0	5.12	<=13	Pass
16QAM	706.5	25	0	6.08	<=13	Pass
	710	25	0	6.02	<=13	Pass
	713.5	25	0	5.87	<=13	Pass

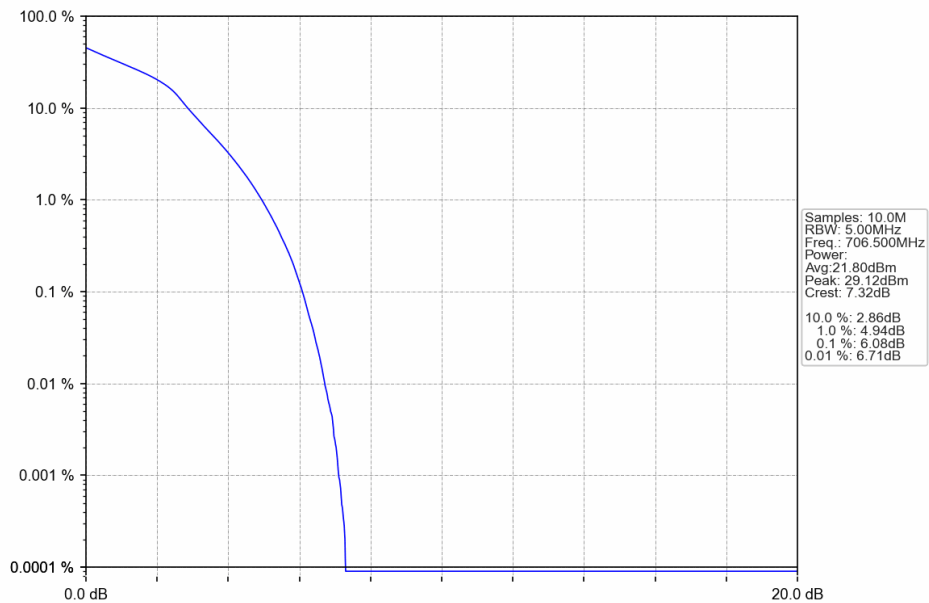
5.1.2 Test Graph



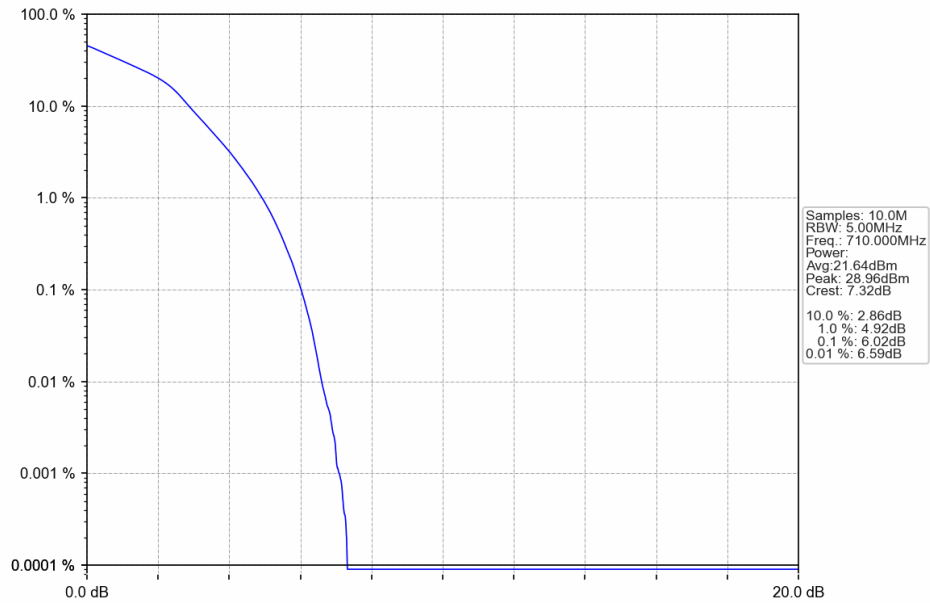
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



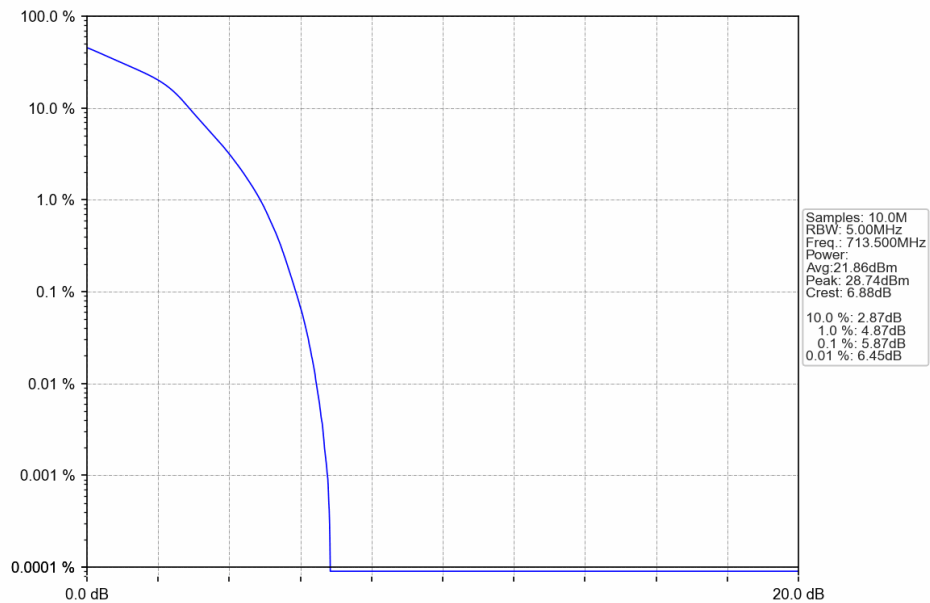
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

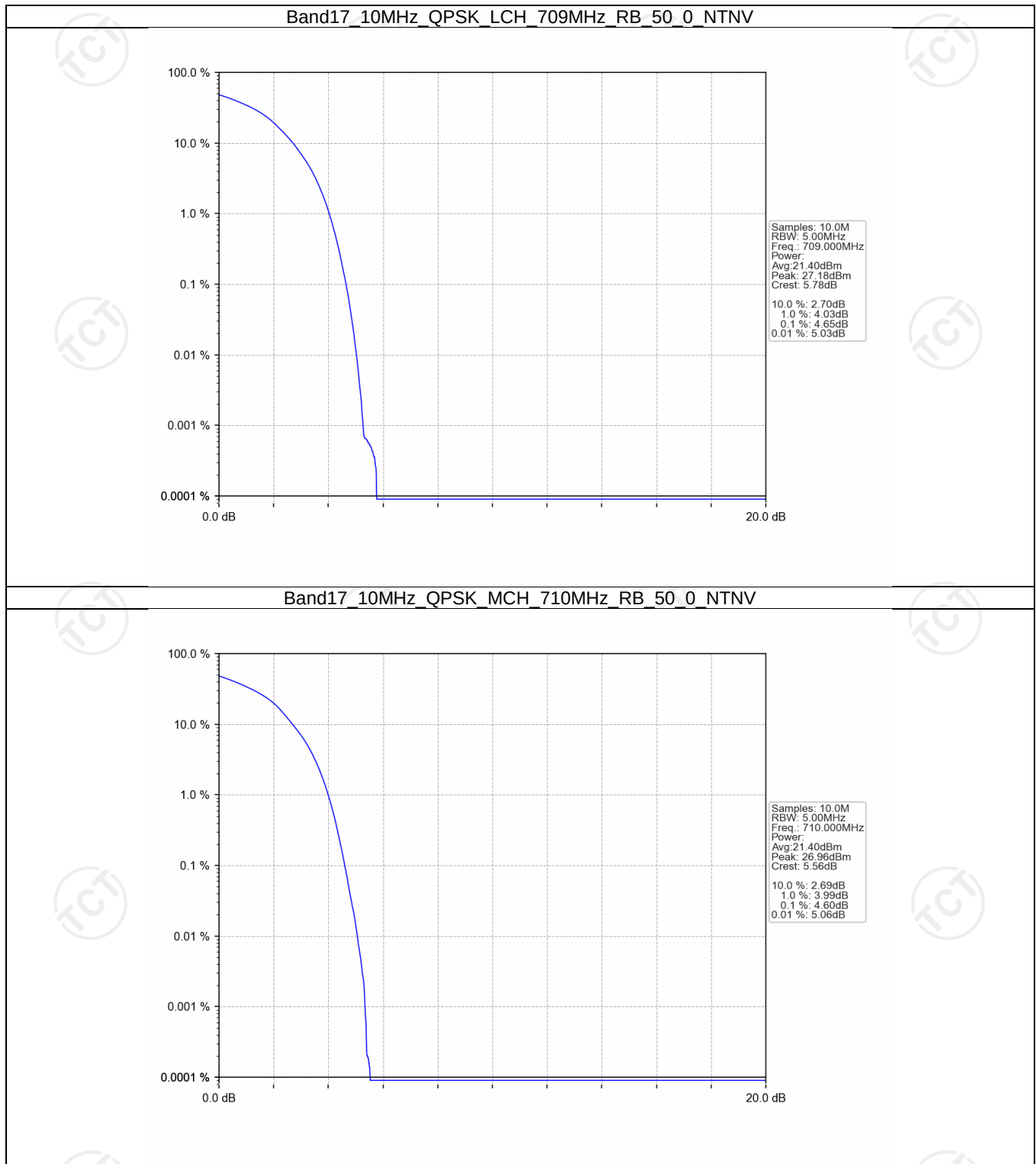


5.2 B17_10MHz

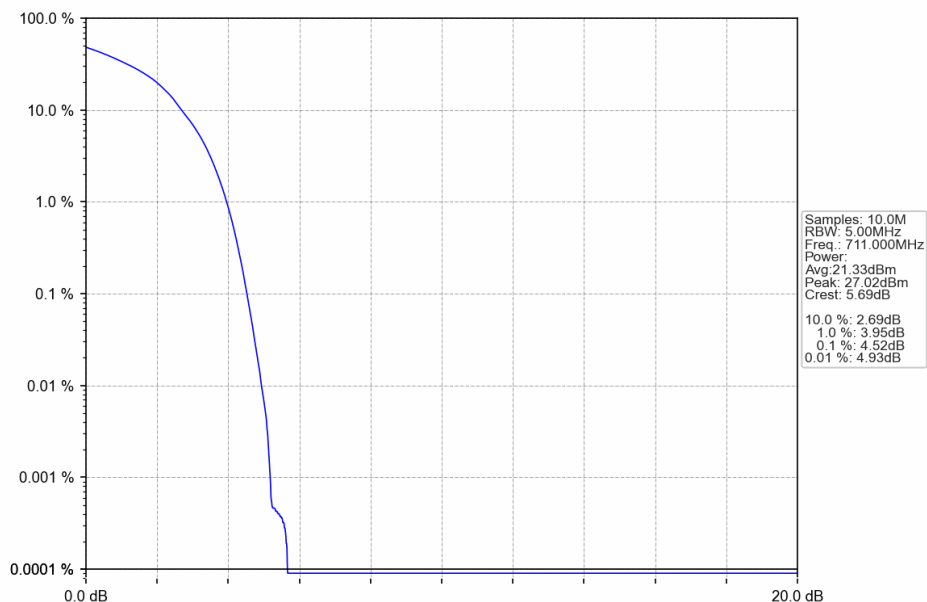
5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.65	<=13	Pass
	710	50	0	4.60	<=13	Pass
	711	50	0	4.52	<=13	Pass
16QAM	709	50	0	6.05	<=13	Pass
	710	50	0	5.99	<=13	Pass
	711	50	0	6.04	<=13	Pass

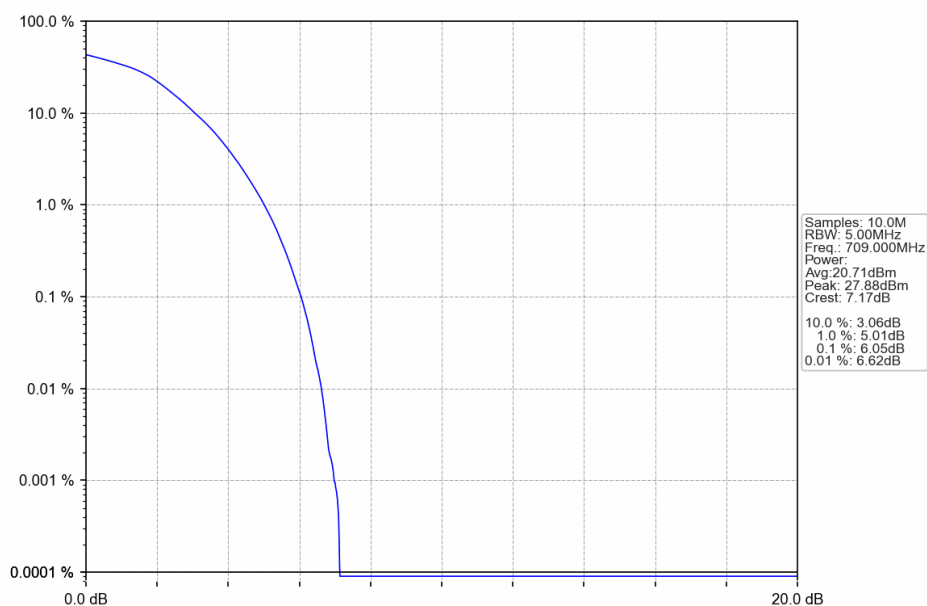
5.2.2 Test Graph



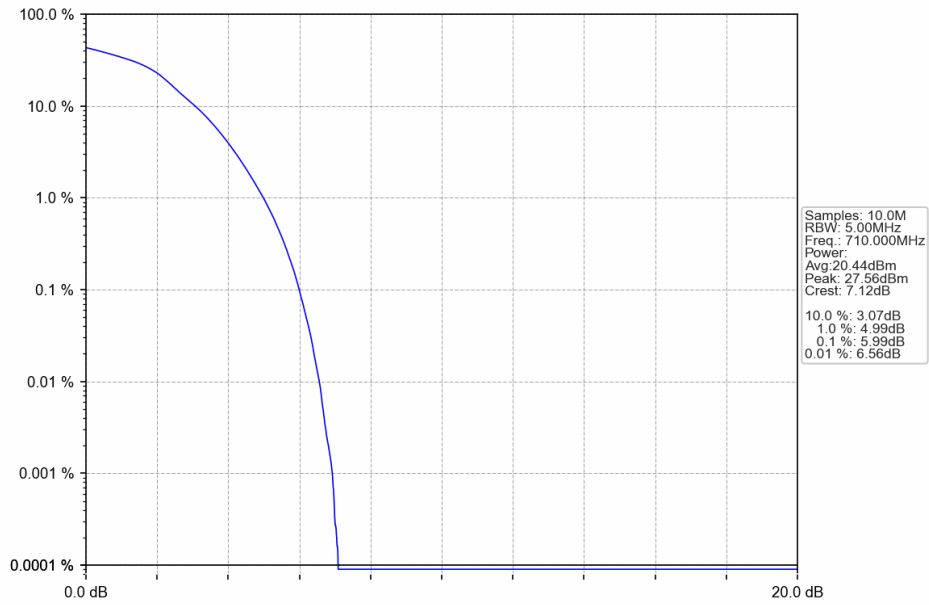
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



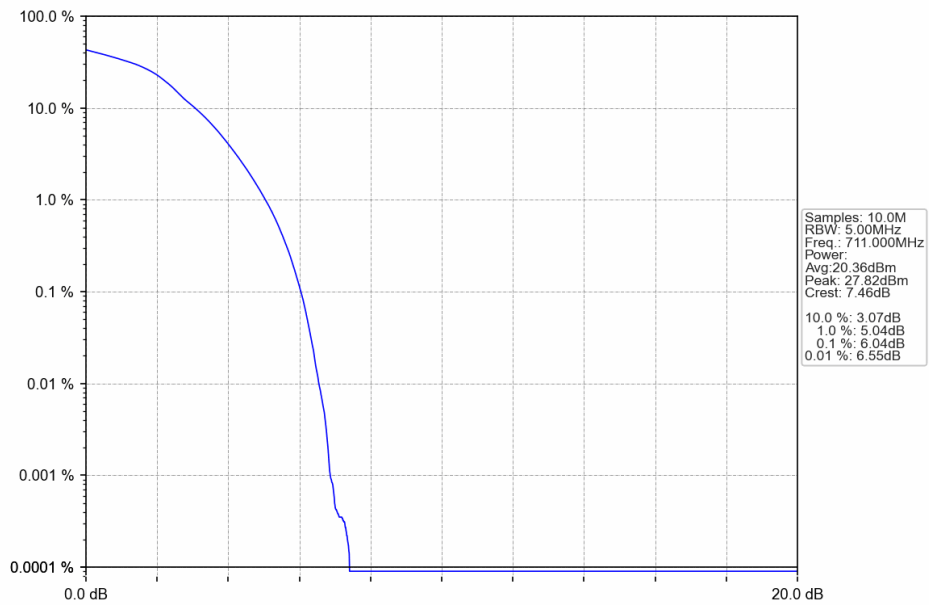
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



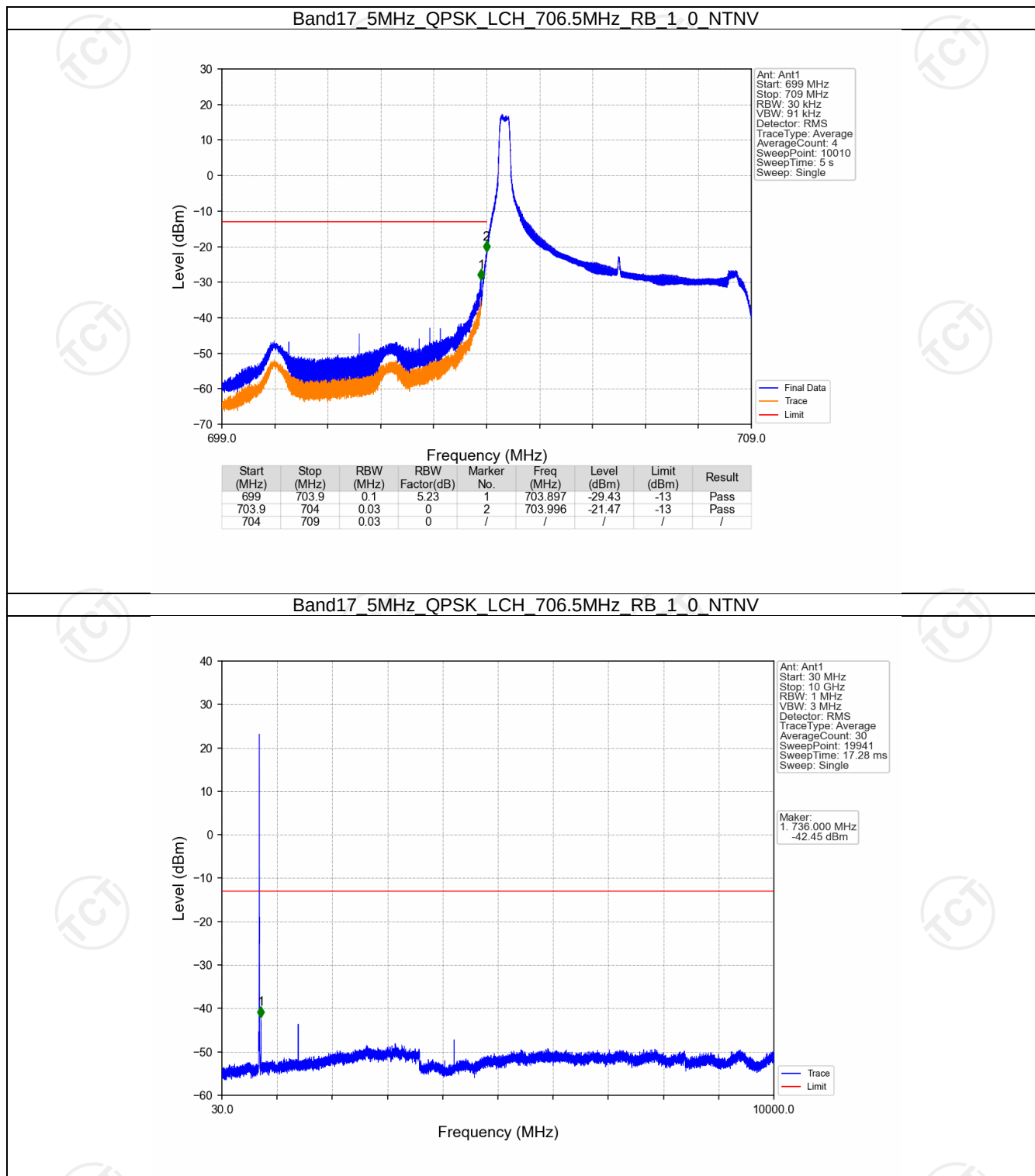
6. Spurious Emission

6.1 B17_5MHz

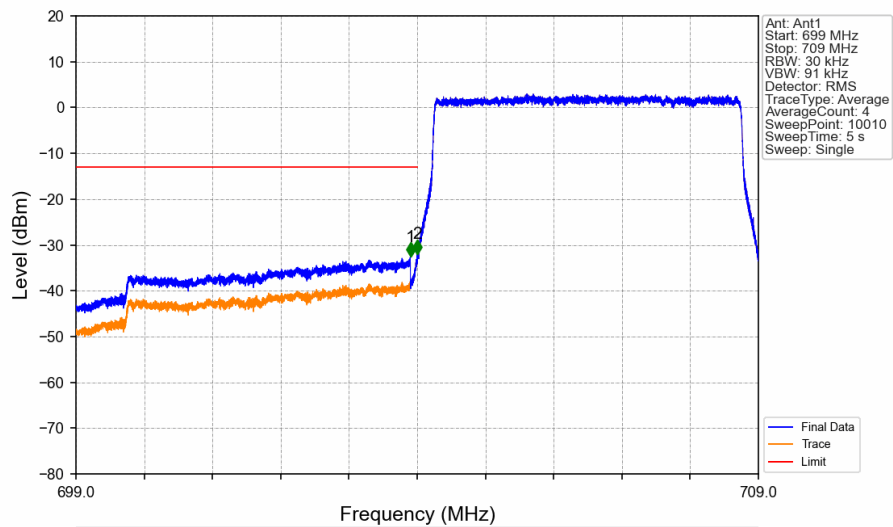
6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / 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

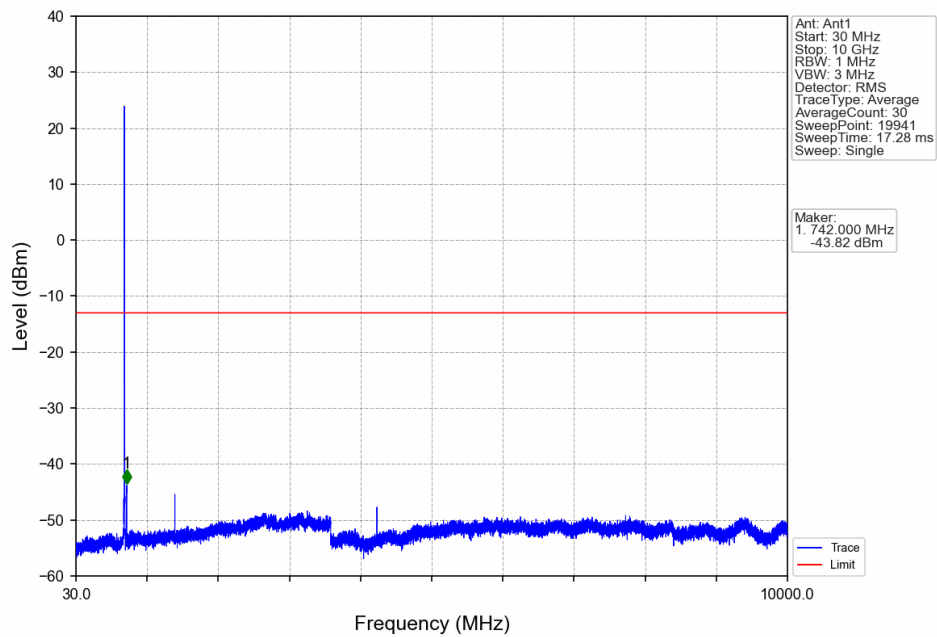
6.1.2 Test Graph



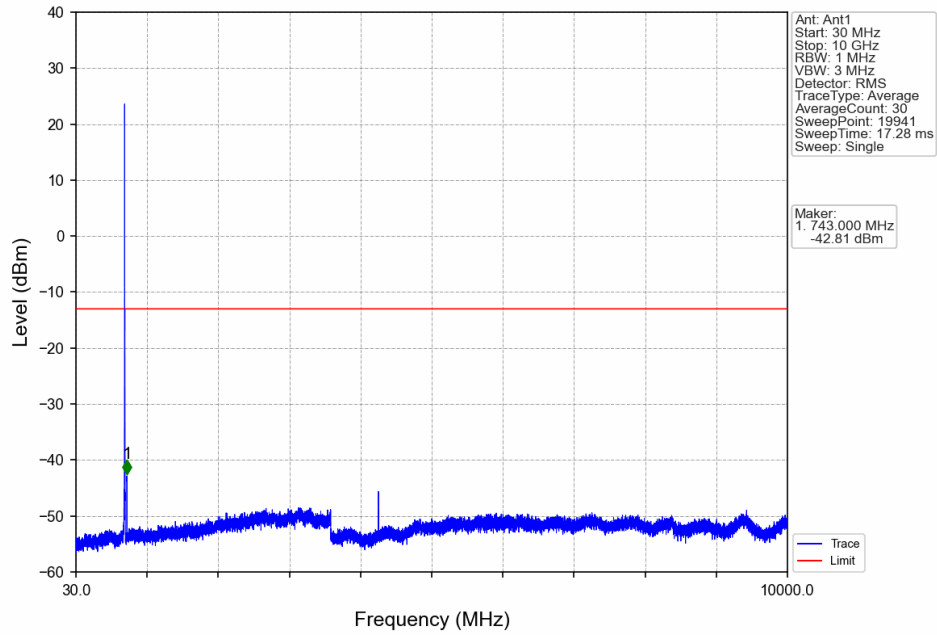
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



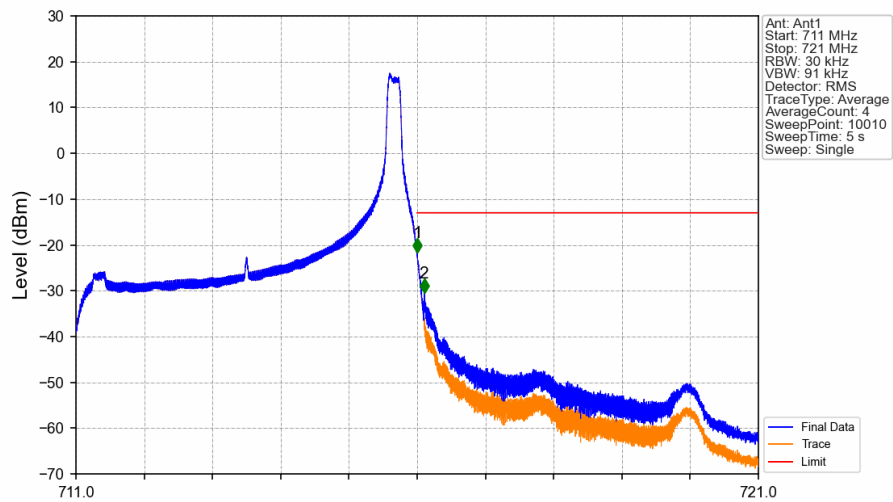
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

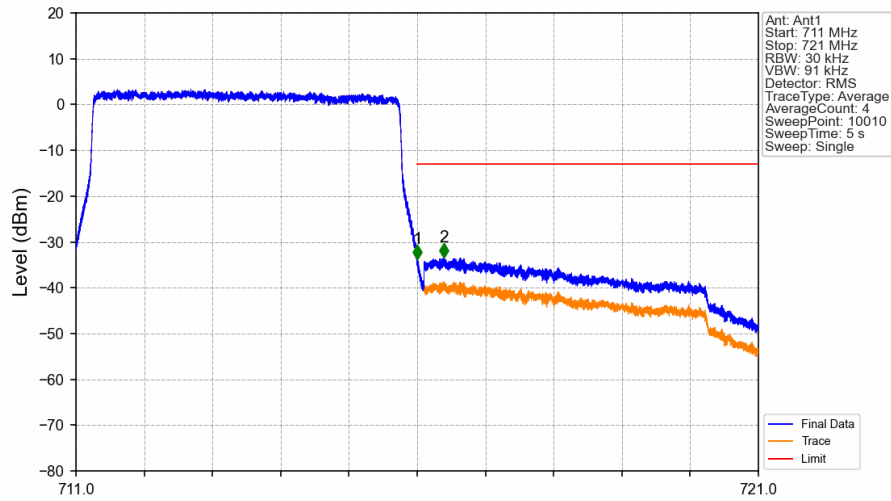


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



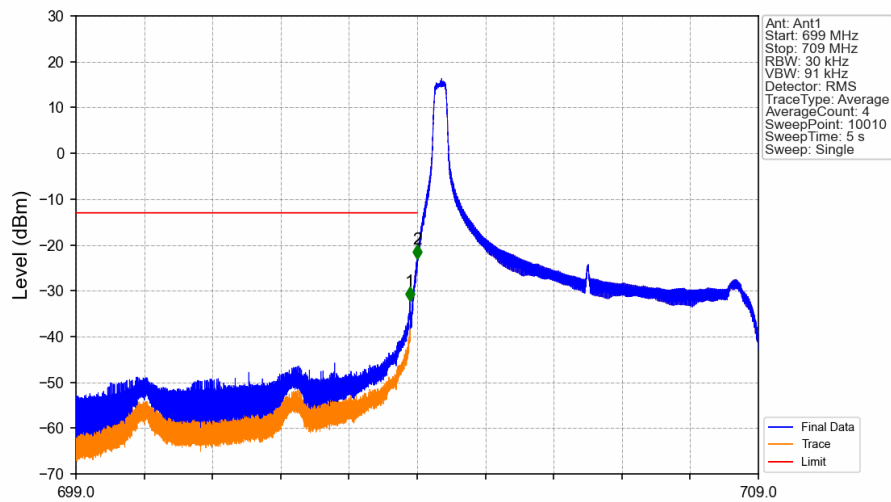
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.001	-21.63	-13	Pass
716.1	721	0.1	5.23	2	716.101	-30.56	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



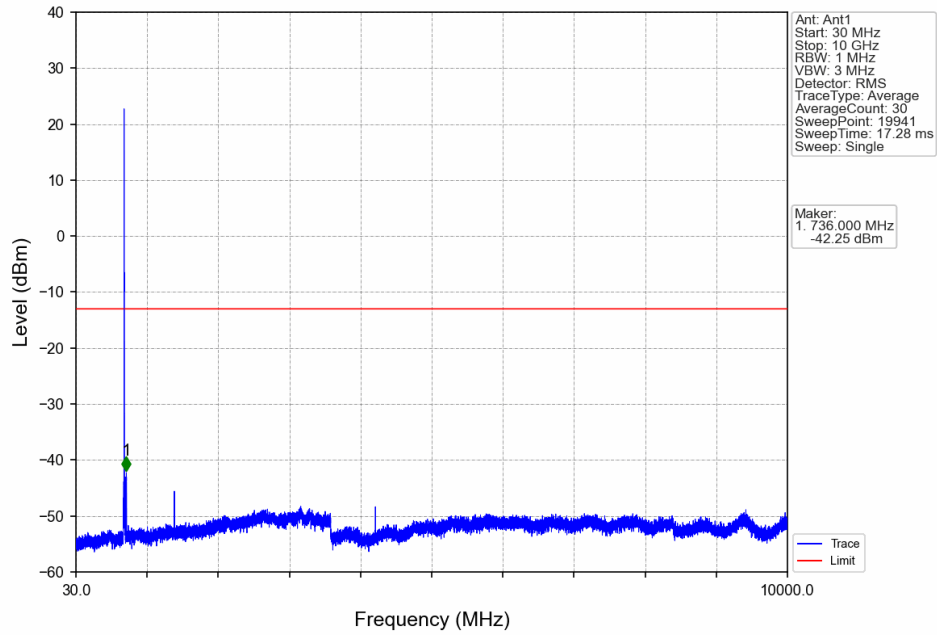
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.001	-33.71	-13	Pass
716.1	721	0.1	5.23	2	716.389	-33.38	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

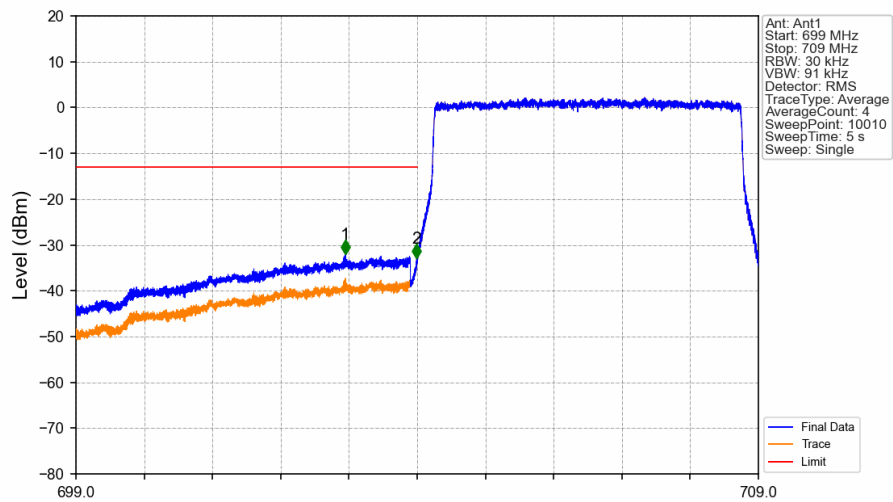


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	5.23	1	703.893	-32.23	-13	Pass
703.9	704	0.03	0	2	703.998	-23.05	-13	Pass
704	709	0.03	0	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

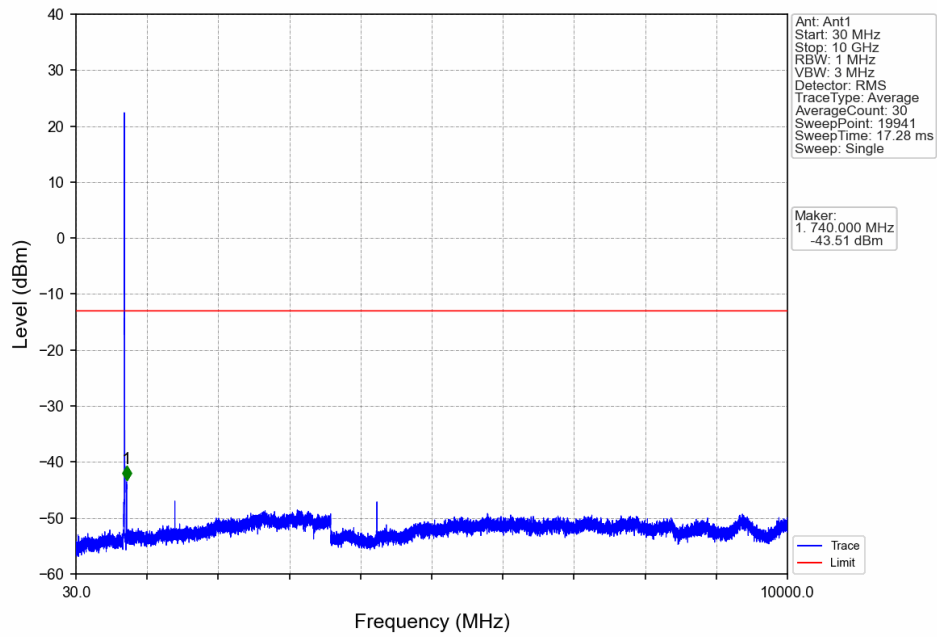


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

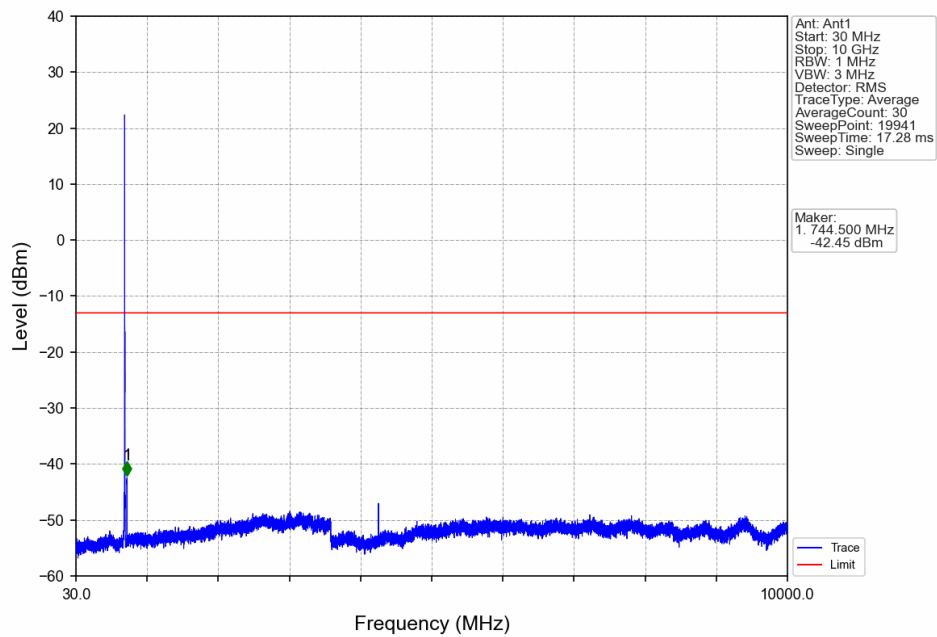


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	5.23	1	702.948	-32.03	-13	Pass
703.9	704	0.03	0	2	703.993	-32.98	-13	Pass
704	709	0.03	0	/	/	/	/	/

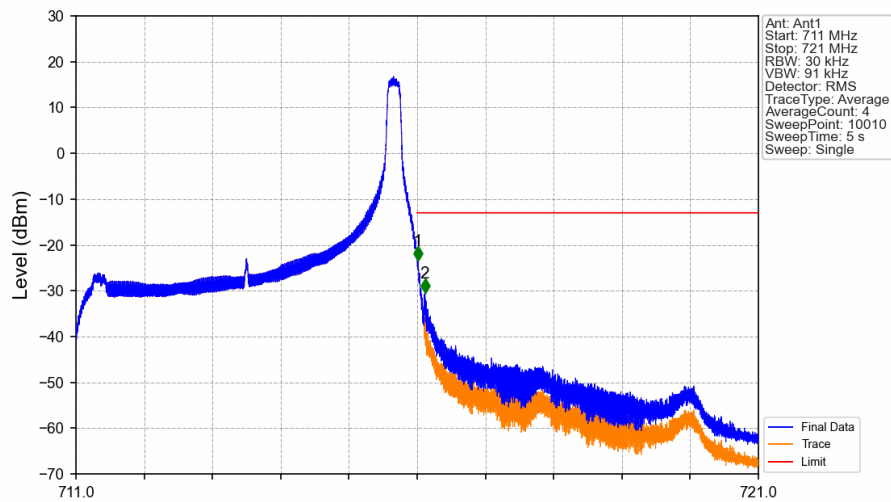
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

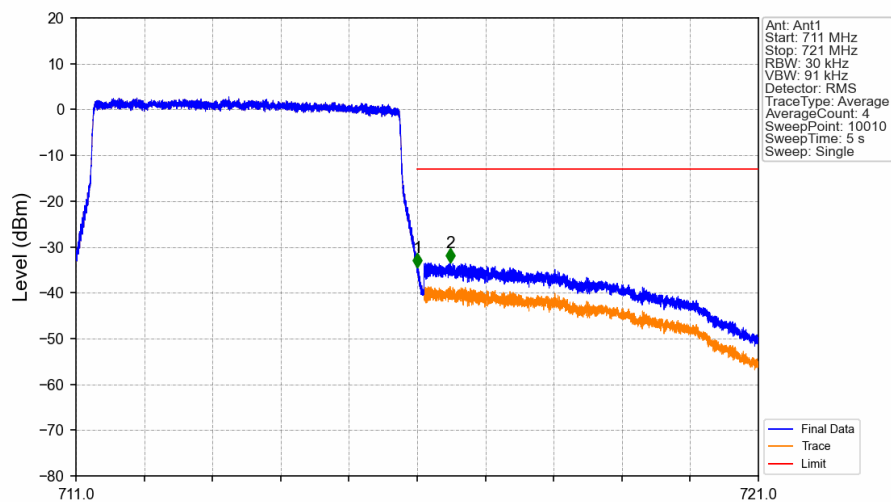


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.011	-23.39	-13	Pass
716.1	721	0.1	5.23	2	716.114	-30.55	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



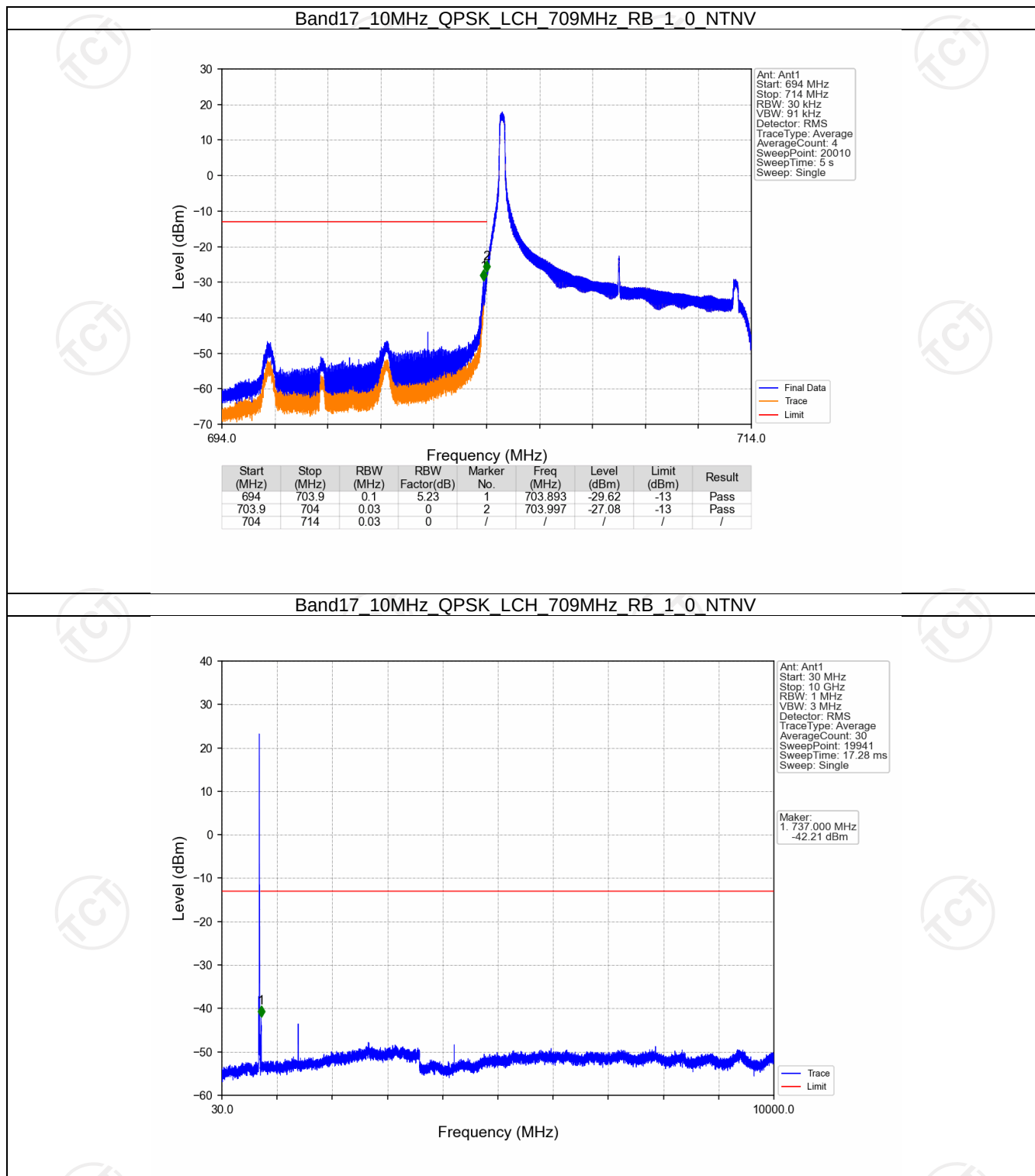
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.002	-34.46	-13	Pass
716.1	721	0.1	5.23	2	716.483	-33.41	-13	Pass

6.2 B17_10MHz

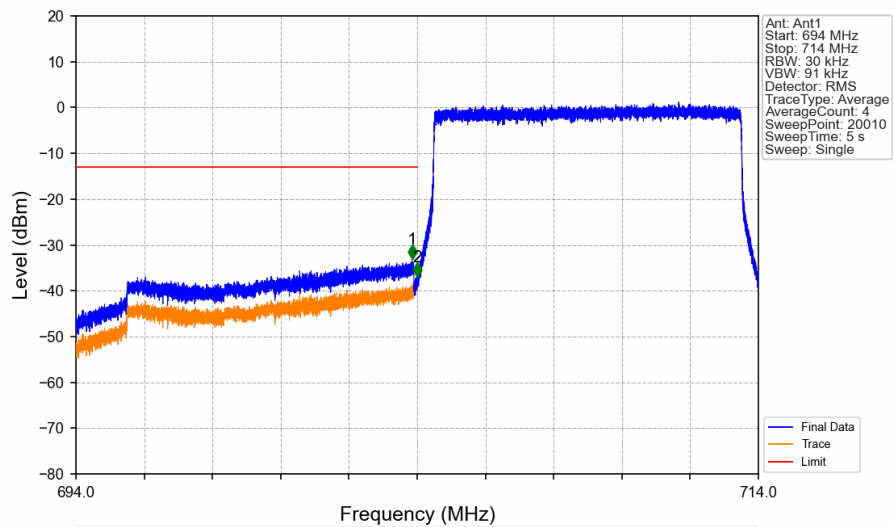
6.2.1 Test Result

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
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

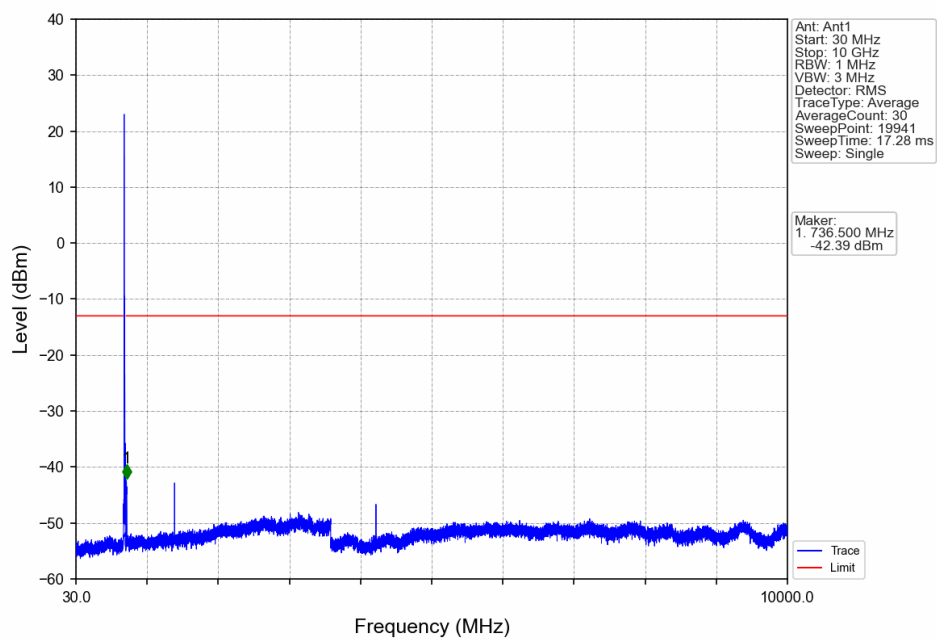
6.2.2 Test Graph



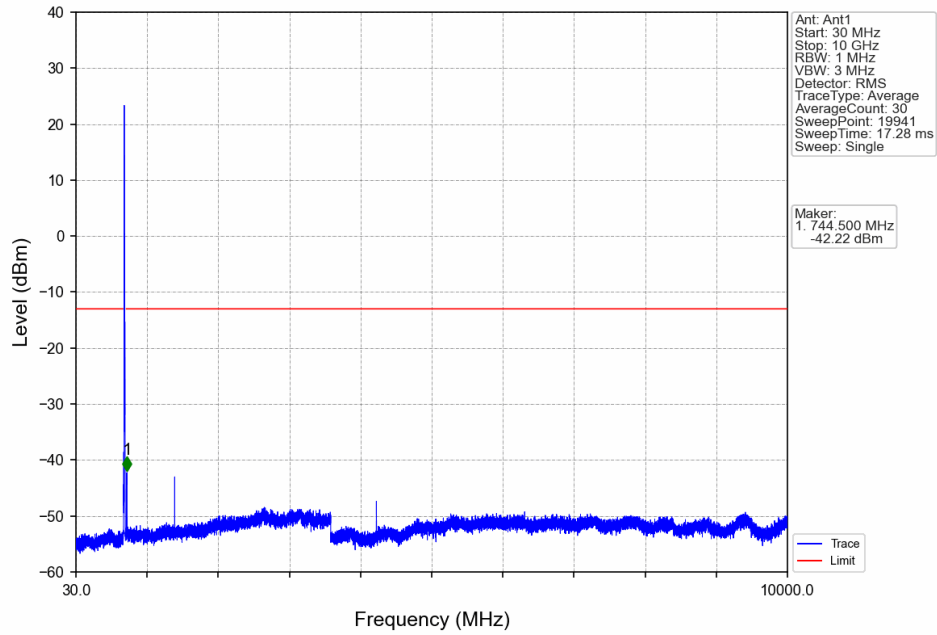
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



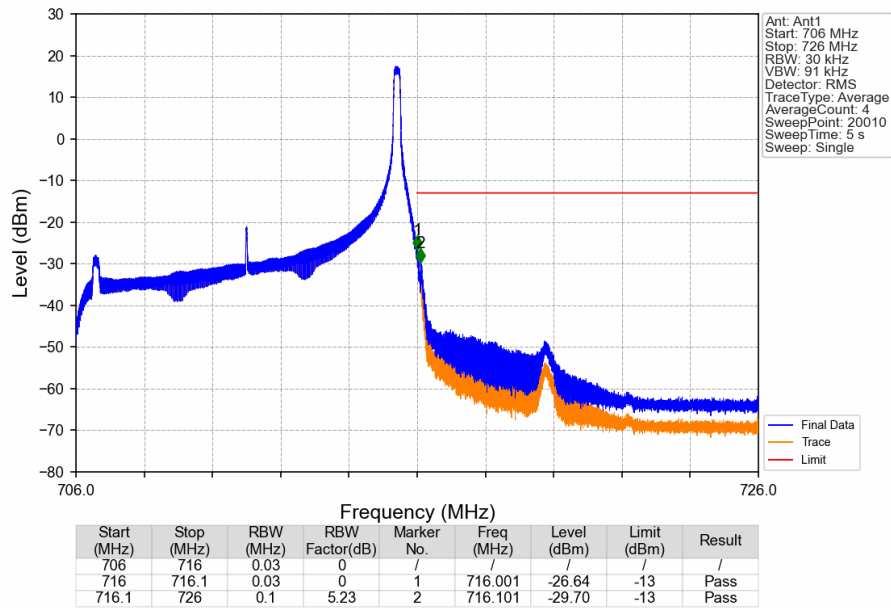
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



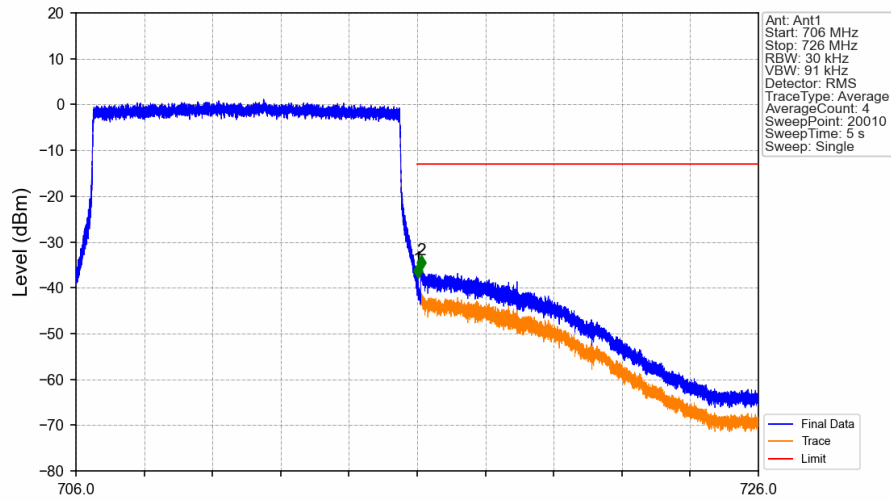
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV

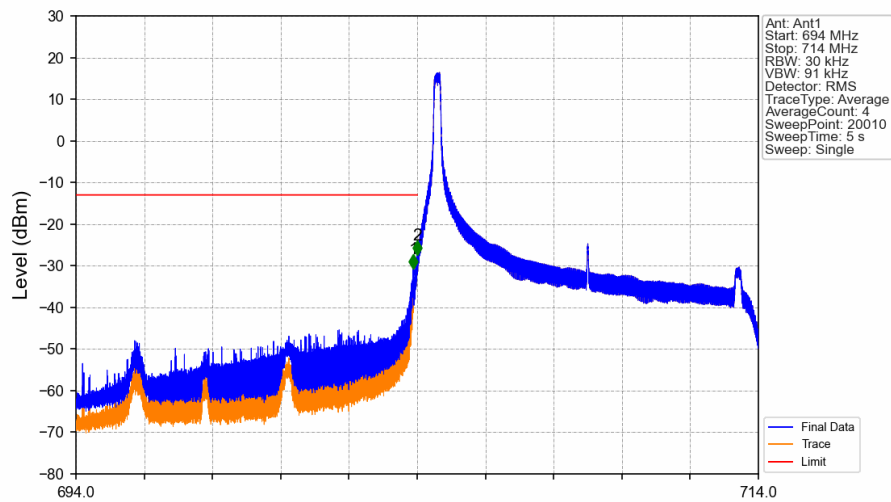


Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



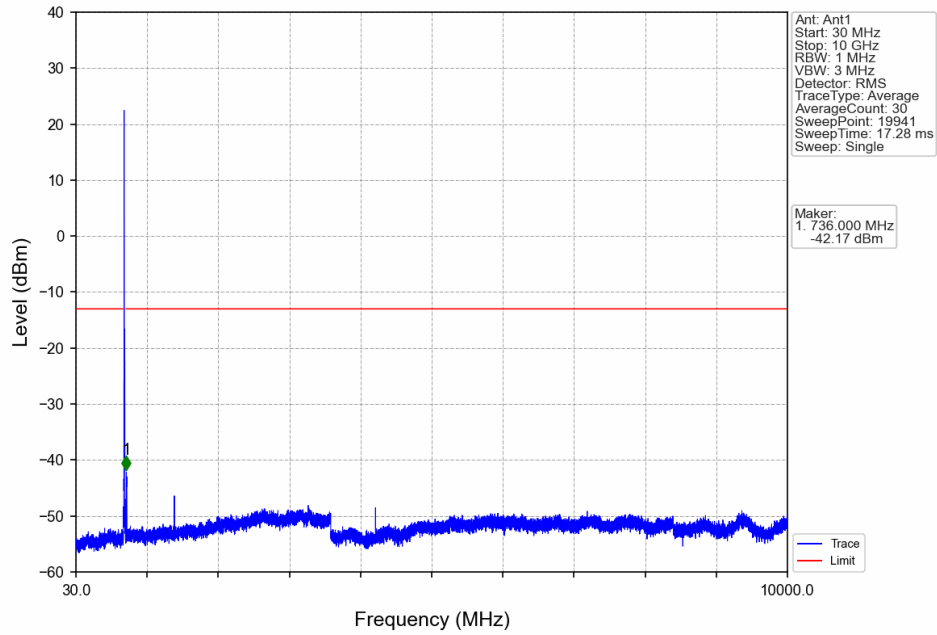
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.020	-37.83	-13	Pass
716.1	726	0.1	5.23	2	716.115	-36.08	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

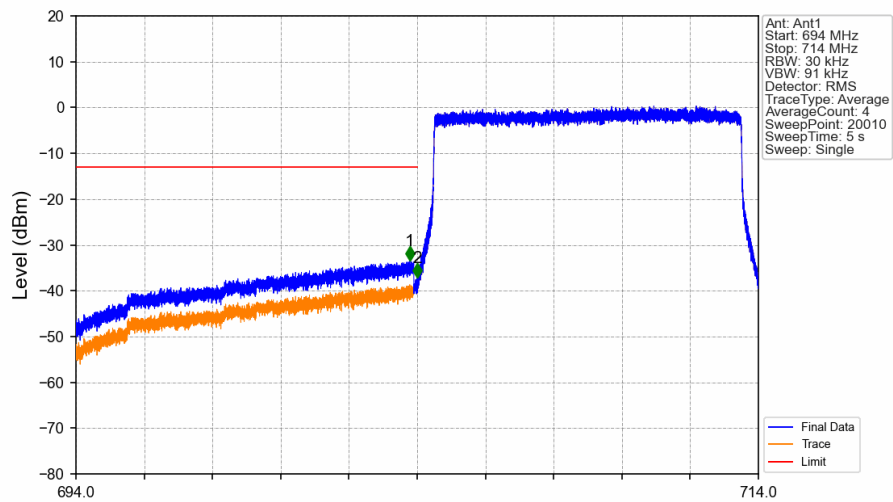


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	5.23	1	703.891	-30.70	-13	Pass
703.9	704	0.03	0	2	704.000	-27.38	-13	Pass
704	714	0.03	0	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

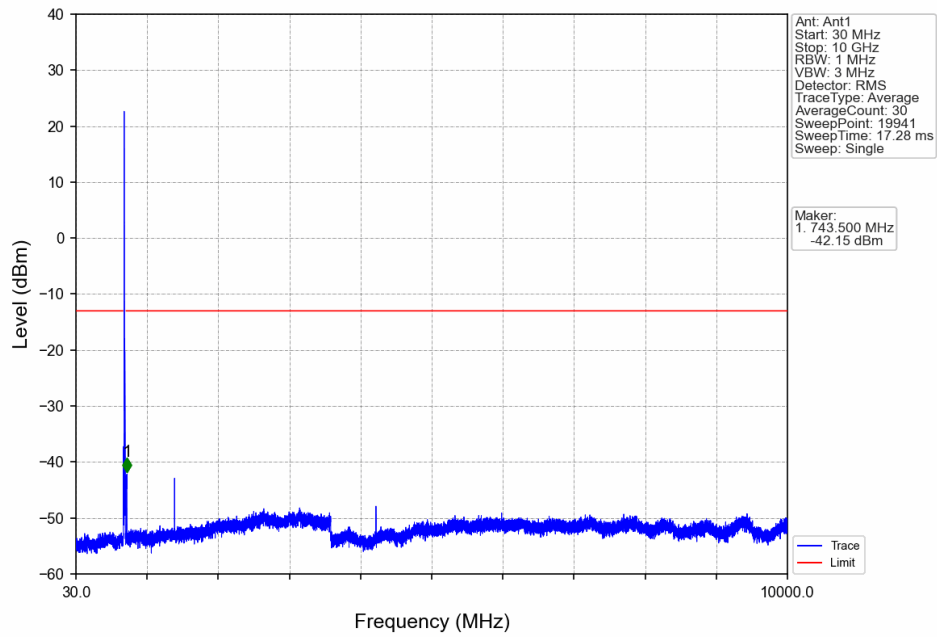


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

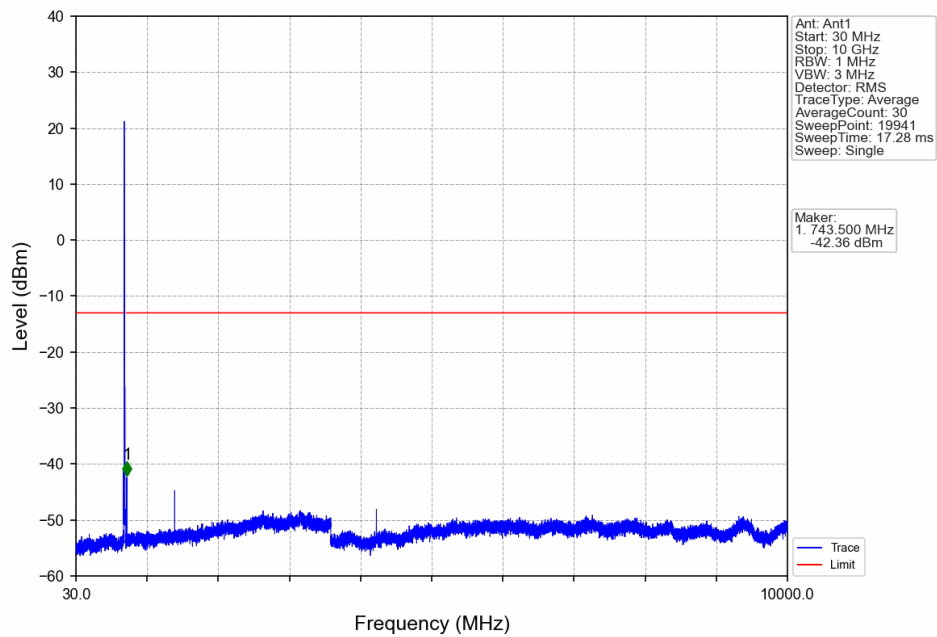


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	5.23	1	703.784	-33.44	-13	Pass
703.9	704	0.03	0	2	703.999	-37.12	-13	Pass
704	714	0.03	0	/	/	/	/	/

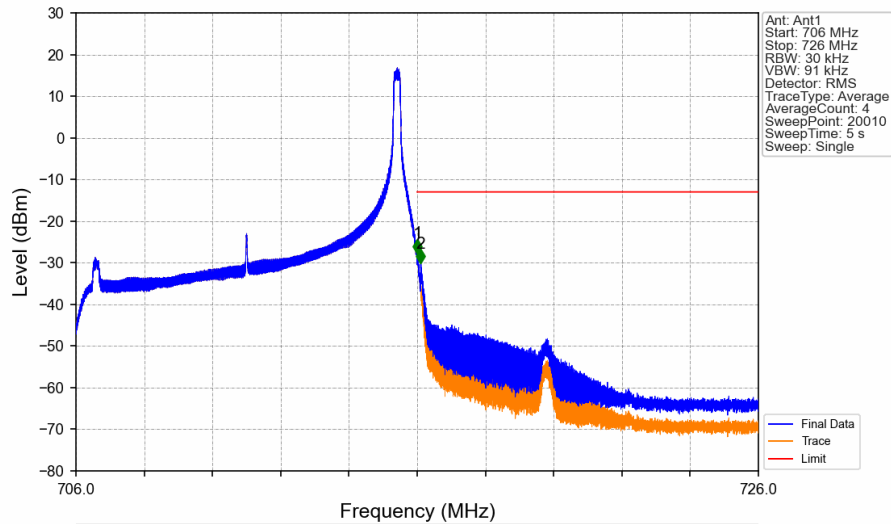
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

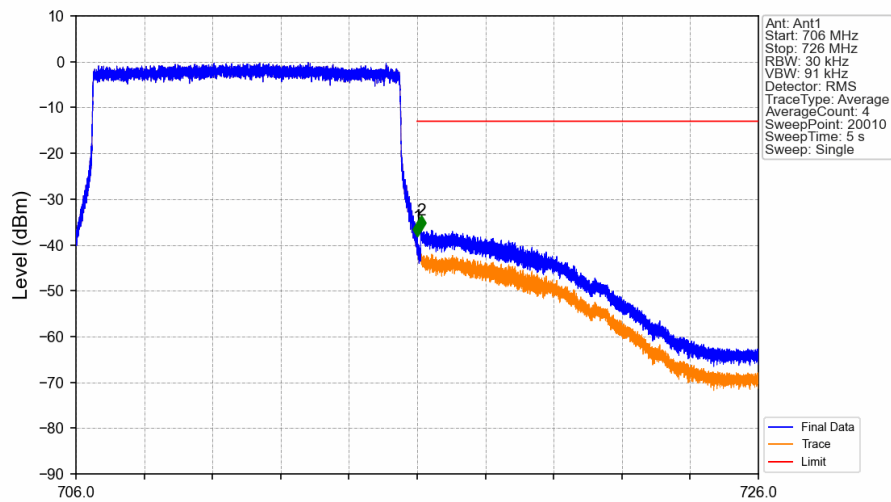


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.003	-27.73	-13	Pass
716.1	726	0.1	5.23	2	716.101	-30.15	-13	Pass

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	0	/	/	/	/	/
716	716.1	0.03	0	1	716.007	-38.07	-13	Pass
716.1	726	0.1	5.23	2	716.123	-36.76	-13	Pass

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	0.2355	0.0672	ppm	4M57G7D	27H	23.72
17	5	706.5	713.5	0.1862	0.0615	ppm	4M55W7D	27H	22.70
17	10	709	711	0.2333	0.0667	ppm	9M07G7D	27H	23.68
17	10	709	711	0.2193	0.0610	ppm	9M05W7D	27H	23.41

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	0.0793	0.0672	ppm	4M57G7D	27H	18.99
17	5	706.5	713.5	0.0627	0.0615	ppm	4M55W7D	27H	17.97
17	10	709	711	0.0785	0.0667	ppm	9M07G7D	27H	18.95
17	10	709	711	0.0738	0.0610	ppm	9M05W7D	27H	18.68