

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	22.62	-2.56	17.91	<=34.77	Pass		
			13	22.75	-2.56	18.04	<=34.77	Pass		
			24	22.80	-2.56	18.09	<=34.77	Pass		
		12	0	21.68	-2.56	16.97	<=34.77	Pass		
			6	21.68	-2.56	16.97	<=34.77	Pass		
			13	21.77	-2.56	17.06	<=34.77	Pass		
		25	0	21.74	-2.56	17.03	<=34.77	Pass		
		710	1	0	22.53	-2.56	17.82	<=34.77	Pass	
				13	22.73	-2.56	18.02	<=34.77	Pass	
	24			22.98	-2.56	18.27	<=34.77	Pass		
	12		0	21.75	-2.56	17.04	<=34.77	Pass		
			6	21.86	-2.56	17.15	<=34.77	Pass		
			13	21.98	-2.56	17.27	<=34.77	Pass		
	25		0	21.85	-2.56	17.14	<=34.77	Pass		
	713.5		1	0	22.89	-2.56	18.18	<=34.77	Pass	
				13	22.81	-2.56	18.10	<=34.77	Pass	
		24		22.91	-2.56	18.20	<=34.77	Pass		
		12	0	21.90	-2.56	17.19	<=34.77	Pass		
			6	21.89	-2.56	17.18	<=34.77	Pass		
			13	21.88	-2.56	17.17	<=34.77	Pass		
		25	0	22.04	-2.56	17.33	<=34.77	Pass		
		16QAM	706.5	1	0	21.61	-2.56	16.90	<=34.77	Pass
					13	21.59	-2.56	16.88	<=34.77	Pass
	24				21.67	-2.56	16.96	<=34.77	Pass	
12	0			20.66	-2.56	15.95	<=34.77	Pass		
	6			20.70	-2.56	15.99	<=34.77	Pass		
	13			20.74	-2.56	16.03	<=34.77	Pass		
25	0			20.66	-2.56	15.95	<=34.77	Pass		
710	1			0	20.89	-2.56	16.18	<=34.77	Pass	
				13	20.96	-2.56	16.25	<=34.77	Pass	
			24	21.01	-2.56	16.30	<=34.77	Pass		
	12		0	20.60	-2.56	15.89	<=34.77	Pass		
			6	20.81	-2.56	16.10	<=34.77	Pass		
			13	20.81	-2.56	16.10	<=34.77	Pass		
	25		0	20.87	-2.56	16.16	<=34.77	Pass		
	713.5		1	0	21.94	-2.56	17.23	<=34.77	Pass	
				13	21.87	-2.56	17.16	<=34.77	Pass	
24				21.97	-2.56	17.26	<=34.77	Pass		
12			0	20.92	-2.56	16.21	<=34.77	Pass		
			6	20.85	-2.56	16.14	<=34.77	Pass		
			13	20.87	-2.56	16.16	<=34.77	Pass		
25			0	20.99	-2.56	16.28	<=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	22.62	-2.56	17.91	<=34.77	Pass		
			25	22.77	-2.56	18.06	<=34.77	Pass		
			49	22.90	-2.56	18.19	<=34.77	Pass		
		25	0	21.83	-2.56	17.12	<=34.77	Pass		
			13	21.79	-2.56	17.08	<=34.77	Pass		
			25	22.02	-2.56	17.31	<=34.77	Pass		
		50	0	21.81	-2.56	17.10	<=34.77	Pass		
		710	1	0	22.67	-2.56	17.96	<=34.77	Pass	
				25	22.81	-2.56	18.10	<=34.77	Pass	
	49			23.00	-2.56	18.29	<=34.77	Pass		
	25		0	21.74	-2.56	17.03	<=34.77	Pass		
			13	21.86	-2.56	17.15	<=34.77	Pass		
			25	21.97	-2.56	17.26	<=34.77	Pass		
	50		0	21.87	-2.56	17.16	<=34.77	Pass		
	711		1	0	22.62	-2.56	17.91	<=34.77	Pass	
				25	22.76	-2.56	18.05	<=34.77	Pass	
		49		22.92	-2.56	18.21	<=34.77	Pass		
		25	0	21.79	-2.56	17.08	<=34.77	Pass		
			13	21.91	-2.56	17.20	<=34.77	Pass		
			25	21.99	-2.56	17.28	<=34.77	Pass		
		50	0	21.85	-2.56	17.14	<=34.77	Pass		
		16QAM	709	1	0	21.20	-2.56	16.49	<=34.77	Pass
					25	21.22	-2.56	16.51	<=34.77	Pass
	49				21.38	-2.56	16.67	<=34.77	Pass	
25	0			20.82	-2.56	16.11	<=34.77	Pass		
	13			20.79	-2.56	16.08	<=34.77	Pass		
	25			21.08	-2.56	16.37	<=34.77	Pass		
50	0			20.65	-2.56	15.94	<=34.77	Pass		
710	1			0	22.26	-2.56	17.55	<=34.77	Pass	
				25	22.40	-2.56	17.69	<=34.77	Pass	
			49	22.57	-2.56	17.86	<=34.77	Pass		
	25		0	20.74	-2.56	16.03	<=34.77	Pass		
			13	20.89	-2.56	16.18	<=34.77	Pass		
			25	20.94	-2.56	16.23	<=34.77	Pass		
	50		0	20.84	-2.56	16.13	<=34.77	Pass		
	711		1	0	21.75	-2.56	17.04	<=34.77	Pass	
				25	21.93	-2.56	17.22	<=34.77	Pass	
49				22.02	-2.56	17.31	<=34.77	Pass		
25			0	20.79	-2.56	16.08	<=34.77	Pass		
			13	20.86	-2.56	16.15	<=34.77	Pass		
			25	20.97	-2.56	16.26	<=34.77	Pass		
50			0	20.94	-2.56	16.23	<=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	7.539	0.0107	-2.5 to 2.5	Pass
					3.85	11.458	0.0162	-2.5 to 2.5	Pass
					4.43	13.232	0.0187	-2.5 to 2.5	Pass
				-30	3.85	15.492	0.0219	-2.5 to 2.5	Pass
				-20	3.85	17.610	0.0249	-2.5 to 2.5	Pass
				-10	3.85	17.939	0.0254	-2.5 to 2.5	Pass
				0	3.85	20.370	0.0288	-2.5 to 2.5	Pass
				10	3.85	12.689	0.0180	-2.5 to 2.5	Pass
				30	3.85	13.375	0.0189	-2.5 to 2.5	Pass
				40	3.85	16.279	0.0230	-2.5 to 2.5	Pass
	50	3.85	10.886	0.0154	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-3.877	-0.0055	-2.5 to 2.5	Pass
					3.85	-9.456	-0.0133	-2.5 to 2.5	Pass
					4.43	15.163	0.0214	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-18.482	-0.0260	-2.5 to 2.5	Pass
				-10	3.85	-28.968	-0.0408	-2.5 to 2.5	Pass
				0	3.85	-39.539	-0.0557	-2.5 to 2.5	Pass
				10	3.85	-47.565	-0.0670	-2.5 to 2.5	Pass
				30	3.85	-4.678	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-12.016	-0.0169	-2.5 to 2.5	Pass
	50	3.85	-21.257	-0.0299	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-7.782	-0.0109	-2.5 to 2.5	Pass
					3.85	-17.481	-0.0245	-2.5 to 2.5	Pass
					4.43	-30.470	-0.0427	-2.5 to 2.5	Pass
				-30	3.85	-36.736	-0.0515	-2.5 to 2.5	Pass
				-20	3.85	-27.466	-0.0385	-2.5 to 2.5	Pass
				-10	3.85	-38.481	-0.0539	-2.5 to 2.5	Pass
				0	3.85	2.217	0.0031	-2.5 to 2.5	Pass
				10	3.85	-8.225	-0.0115	-2.5 to 2.5	Pass
30				3.85	-17.366	-0.0243	-2.5 to 2.5	Pass	
40				3.85	-26.093	-0.0366	-2.5 to 2.5	Pass	
50	3.85	-13.089	-0.0183	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	10.414	0.0147	-2.5 to 2.5	Pass
					3.85	14.448	0.0205	-2.5 to 2.5	Pass
					4.43	19.670	0.0278	-2.5 to 2.5	Pass
				-30	3.85	24.590	0.0348	-2.5 to 2.5	Pass
				-20	3.85	29.368	0.0416	-2.5 to 2.5	Pass
				-10	3.85	34.261	0.0485	-2.5 to 2.5	Pass
				0	3.85	5.651	0.0080	-2.5 to 2.5	Pass
				10	3.85	29.726	0.0421	-2.5 to 2.5	Pass
				30	3.85	33.216	0.0470	-2.5 to 2.5	Pass
				40	3.85	36.035	0.0510	-2.5 to 2.5	Pass
	50	3.85	29.097	0.0412	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-28.067	-0.0395	-2.5 to 2.5	Pass
					3.85	5.379	0.0076	-2.5 to 2.5	Pass
					4.43	8.669	0.0122	-2.5 to 2.5	Pass
				-30	3.85	7.267	0.0102	-2.5 to 2.5	Pass
				-20	3.85	7.153	0.0101	-2.5 to 2.5	Pass
				-10	3.85	6.580	0.0093	-2.5 to 2.5	Pass
				0	3.85	4.878	0.0069	-2.5 to 2.5	Pass
				10	3.85	3.963	0.0056	-2.5 to 2.5	Pass
				30	3.85	-12.288	-0.0173	-2.5 to 2.5	Pass
40				3.85	31.142	0.0439	-2.5 to 2.5	Pass	

	713.5	25	0	50	3.85	30.813	0.0434	-2.5 to 2.5	Pass
				20	3.27	1.101	0.0015	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-7.625	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-9.942	-0.0139	-2.5 to 2.5	Pass
				0	3.85	-12.245	-0.0172	-2.5 to 2.5	Pass
				10	3.85	-22.416	-0.0314	-2.5 to 2.5	Pass
				30	3.85	-19.054	-0.0267	-2.5 to 2.5	Pass
				40	3.85	16.623	0.0233	-2.5 to 2.5	Pass
				50	3.85	15.836	0.0222	-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	4.950	0.0070	-2.5 to 2.5	Pass
					3.85	7.782	0.0110	-2.5 to 2.5	Pass
					4.43	-6.895	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-11.415	-0.0161	-2.5 to 2.5	Pass
				-20	3.85	25.306	0.0357	-2.5 to 2.5	Pass
				-10	3.85	19.054	0.0269	-2.5 to 2.5	Pass
				0	3.85	17.381	0.0245	-2.5 to 2.5	Pass
				10	3.85	16.837	0.0237	-2.5 to 2.5	Pass
				30	3.85	15.750	0.0222	-2.5 to 2.5	Pass
				40	3.85	13.118	0.0185	-2.5 to 2.5	Pass
				50	3.85	11.144	0.0157	-2.5 to 2.5	Pass
				710	50	0	20	3.27	-1.502
	3.85	-2.432	-0.0034					-2.5 to 2.5	Pass
	4.43	-7.181	-0.0101					-2.5 to 2.5	Pass
	-30	3.85	-12.202				-0.0172	-2.5 to 2.5	Pass
	-20	3.85	-16.894				-0.0238	-2.5 to 2.5	Pass
	-10	3.85	-22.159				-0.0312	-2.5 to 2.5	Pass
	0	3.85	-26.164				-0.0369	-2.5 to 2.5	Pass
	10	3.85	1.488				0.0021	-2.5 to 2.5	Pass
	30	3.85	-12.188				-0.0172	-2.5 to 2.5	Pass
	40	3.85	-13.604				-0.0192	-2.5 to 2.5	Pass
	50	3.85	-14.606				-0.0206	-2.5 to 2.5	Pass
	711	50	0				20	3.27	-0.415
				3.85	-6.967	-0.0098		-2.5 to 2.5	Pass
				4.43	-23.675	-0.0333		-2.5 to 2.5	Pass
				-30	3.85	-8.268	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-6.795	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-5.865	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-5.865	-0.0082	-2.5 to 2.5	Pass
30				3.85	-6.280	-0.0088	-2.5 to 2.5	Pass	
40				3.85	-7.296	-0.0103	-2.5 to 2.5	Pass	
50				3.85	-9.856	-0.0139	-2.5 to 2.5	Pass	
16QAM				709	50	0	20	3.27	10.099
	3.85	4.821	0.0068					-2.5 to 2.5	Pass

					4.43	-4.249	-0.0060	-2.5 to 2.5	Pass			
				-30	3.85	0.486	0.0007	-2.5 to 2.5	Pass			
				-20	3.85	2.804	0.0040	-2.5 to 2.5	Pass			
				-10	3.85	5.679	0.0080	-2.5 to 2.5	Pass			
				0	3.85	8.097	0.0114	-2.5 to 2.5	Pass			
				10	3.85	10.443	0.0147	-2.5 to 2.5	Pass			
				30	3.85	11.501	0.0162	-2.5 to 2.5	Pass			
				40	3.85	1.359	0.0019	-2.5 to 2.5	Pass			
				50	3.85	5.636	0.0079	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-13.003	-0.0183	-2.5 to 2.5	Pass			
								3.85	-10.872	-0.0153	-2.5 to 2.5	Pass
								4.43	-9.456	-0.0133	-2.5 to 2.5	Pass
							-30	3.85	-6.509	-0.0092	-2.5 to 2.5	Pass
							-20	3.85	-5.922	-0.0083	-2.5 to 2.5	Pass
							-10	3.85	-13.404	-0.0189	-2.5 to 2.5	Pass
							0	3.85	-11.845	-0.0167	-2.5 to 2.5	Pass
							10	3.85	-10.228	-0.0144	-2.5 to 2.5	Pass
							30	3.85	-7.710	-0.0109	-2.5 to 2.5	Pass
							40	3.85	-28.181	-0.0397	-2.5 to 2.5	Pass
							50	3.85	-31.343	-0.0441	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-11.959	-0.0168	-2.5 to 2.5	Pass			
								3.85	-17.695	-0.0249	-2.5 to 2.5	Pass
								4.43	-15.149	-0.0213	-2.5 to 2.5	Pass
							-30	3.85	30.670	0.0431	-2.5 to 2.5	Pass
							-20	3.85	34.118	0.0480	-2.5 to 2.5	Pass
							-10	3.85	37.165	0.0523	-2.5 to 2.5	Pass
							0	3.85	39.282	0.0552	-2.5 to 2.5	Pass
							10	3.85	36.621	0.0515	-2.5 to 2.5	Pass
							30	3.85	32.043	0.0451	-2.5 to 2.5	Pass
							40	3.85	35.677	0.0502	-2.5 to 2.5	Pass
							50	3.85	38.023	0.0535	-2.5 to 2.5	Pass

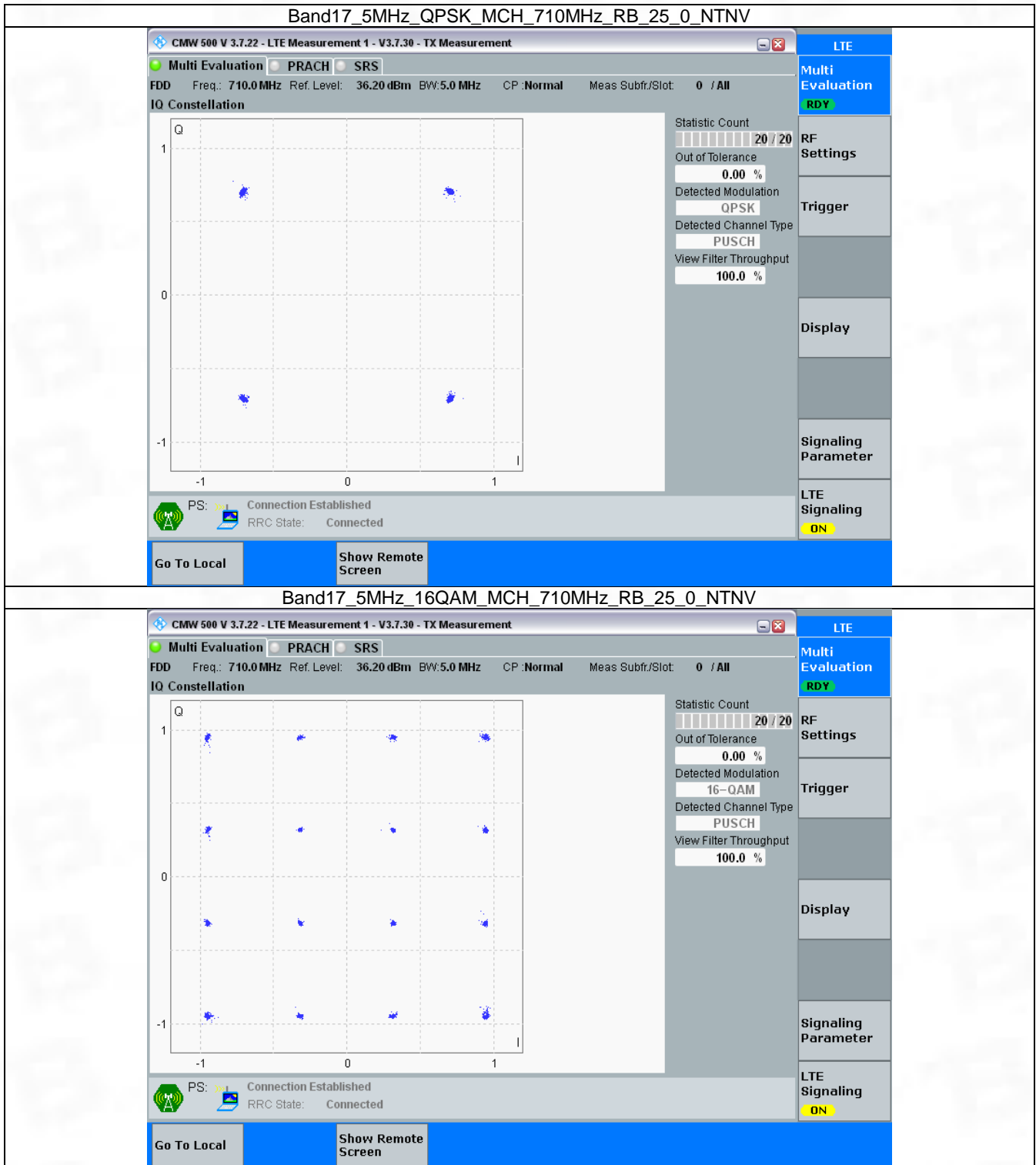
3. Modulation Characteristics

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

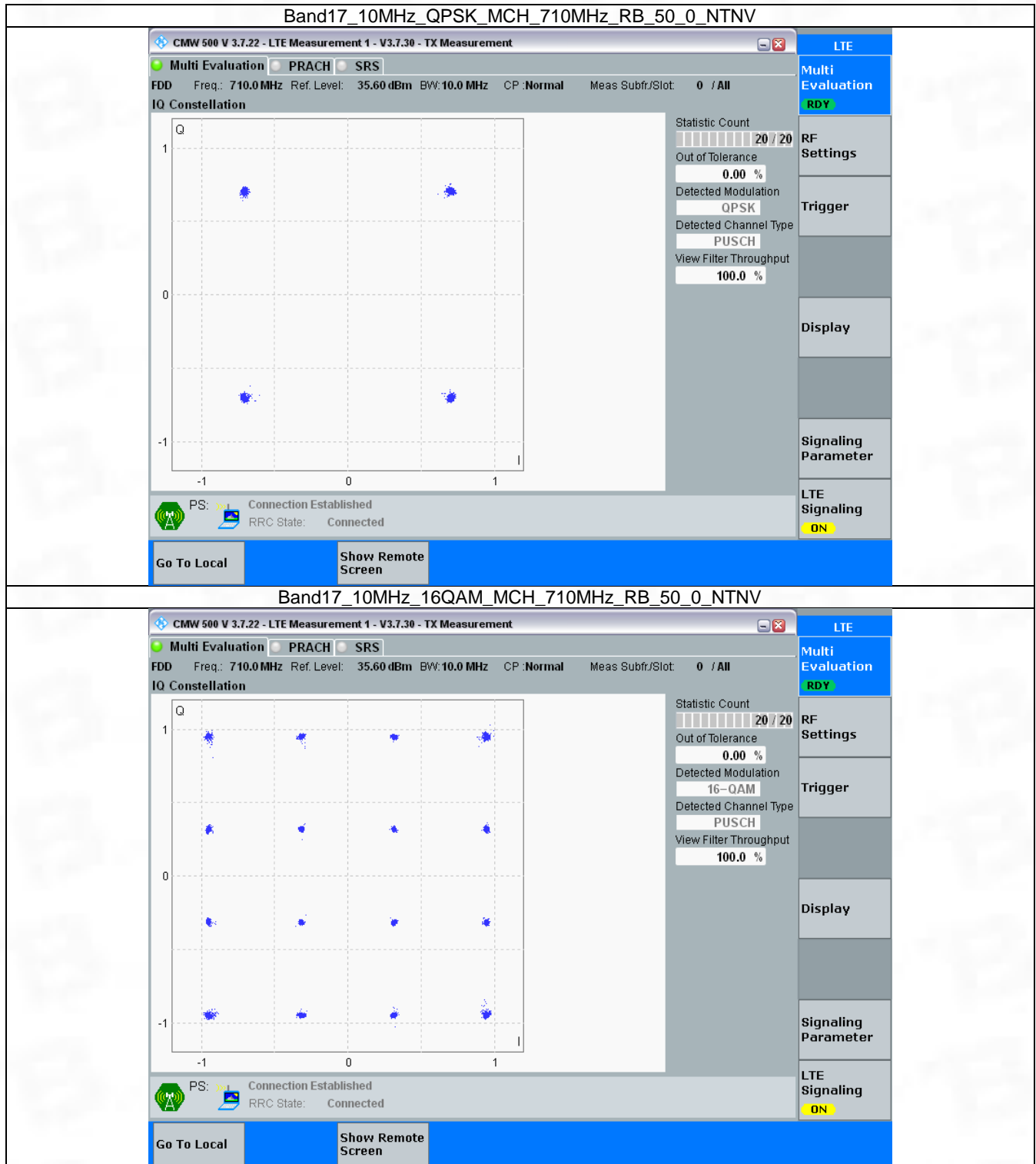


3.2 B17_10MHz

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



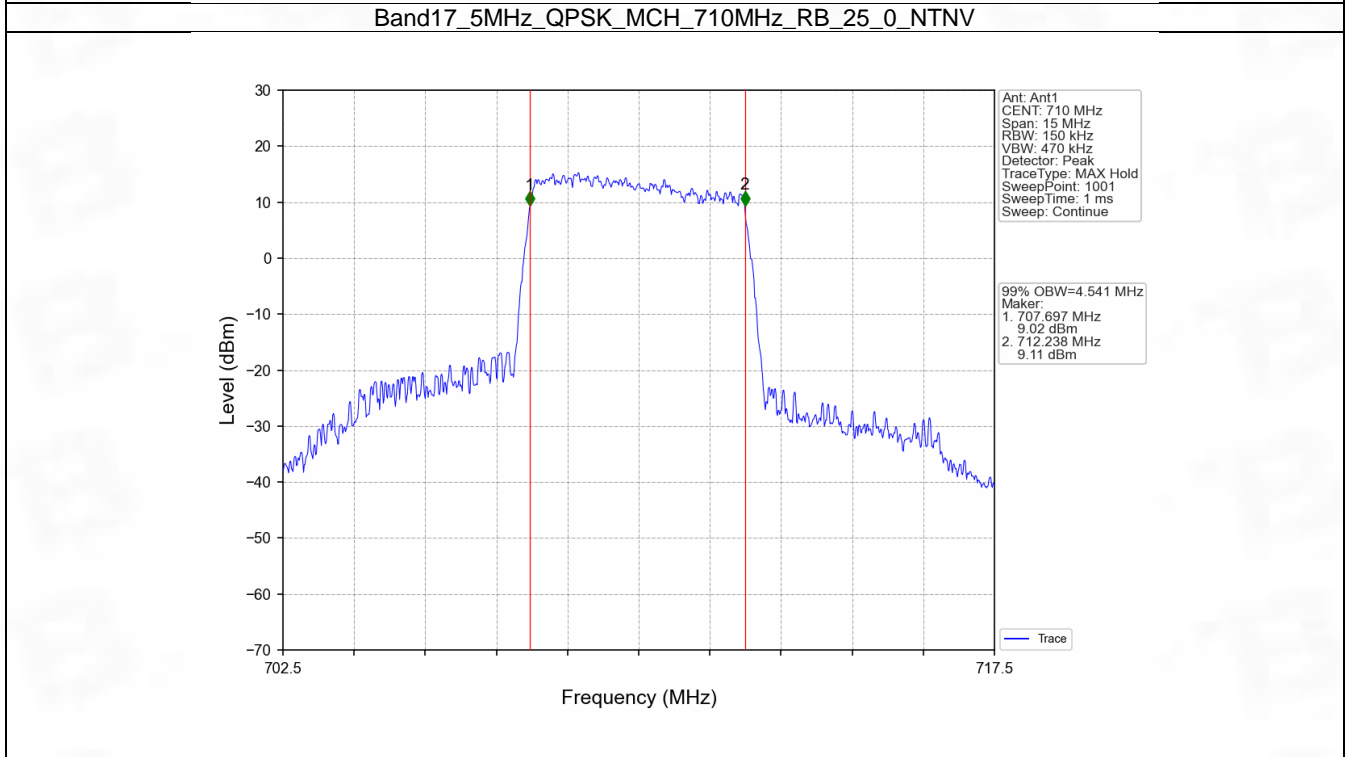
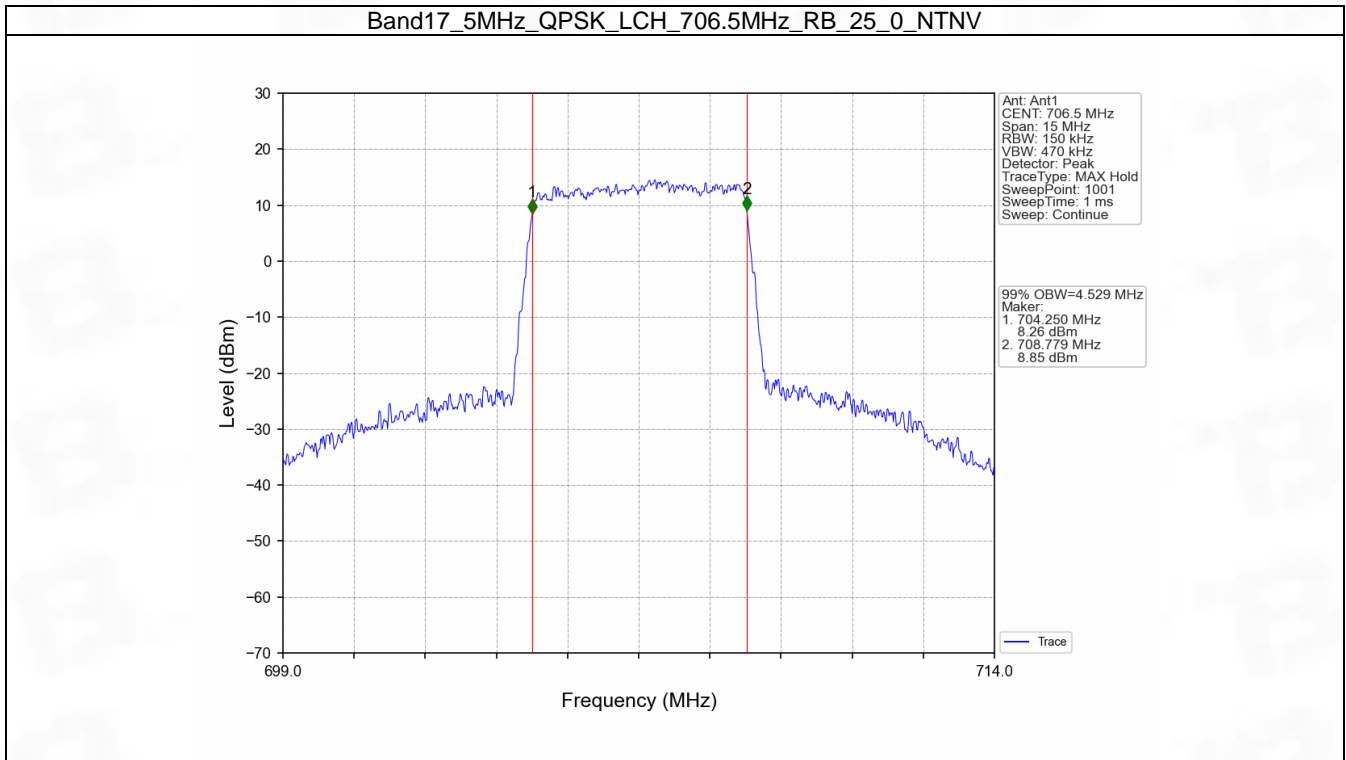
4. 99% & 26dB Bandwidth

4.1 Band17_OBW

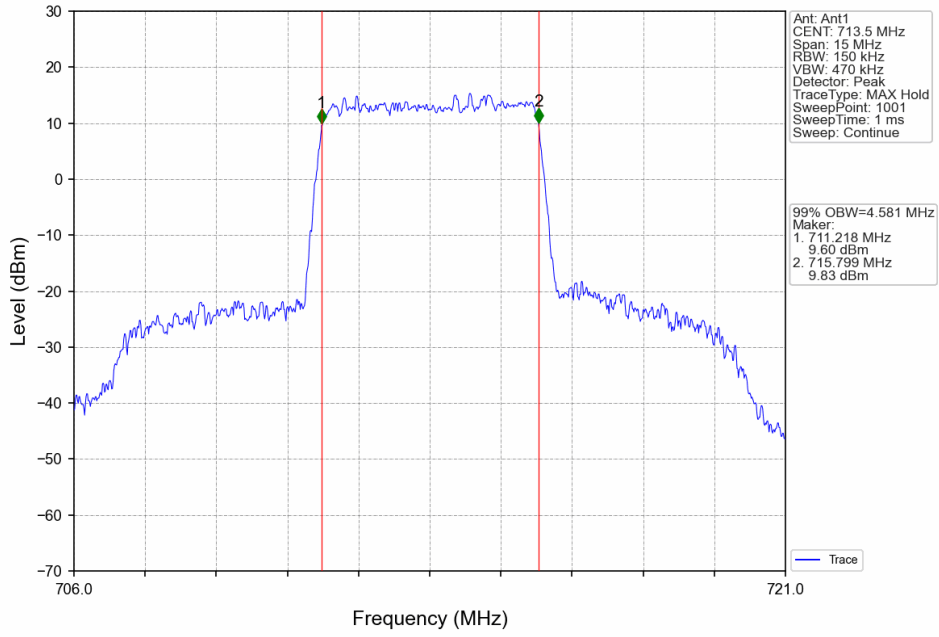
4.1.1 Test Result

Band: 17 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.529	Pass
		710	25	0	4.541	Pass
		713.5	25	0	4.581	Pass
	16QAM	706.5	25	0	4.566	Pass
		710	25	0	4.557	Pass
		713.5	25	0	4.564	Pass
10	QPSK	709	50	0	8.990	Pass
		710	50	0	9.028	Pass
		711	50	0	9.120	Pass
	16QAM	709	50	0	8.984	Pass
		710	50	0	9.037	Pass
		711	50	0	9.101	Pass

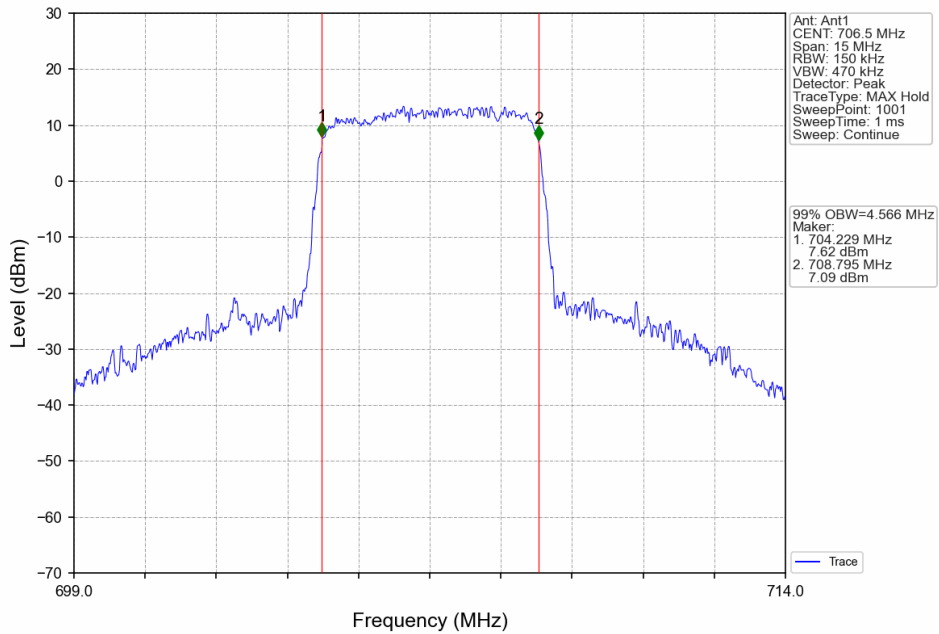
4.1.2 Test Graph



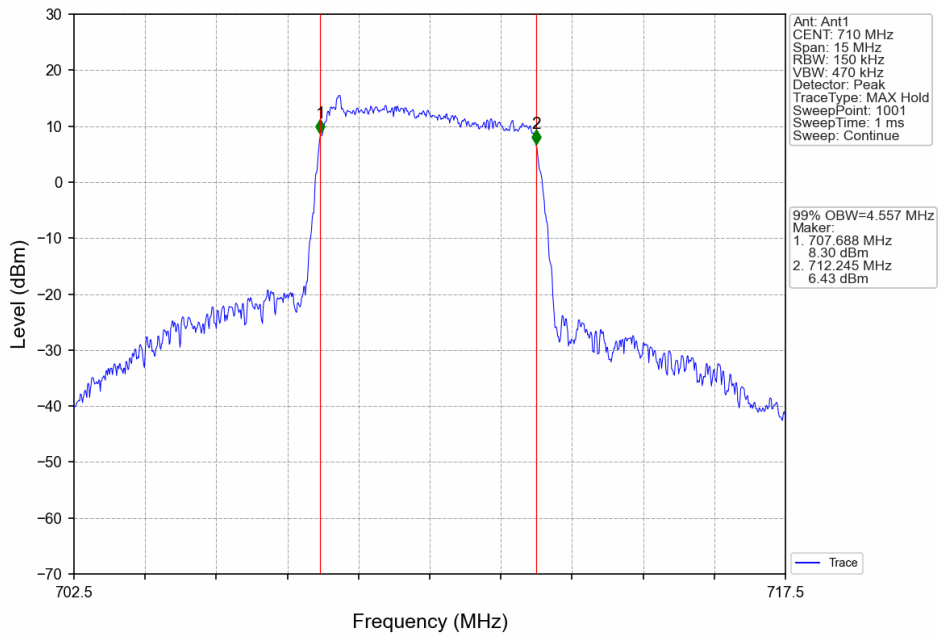
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



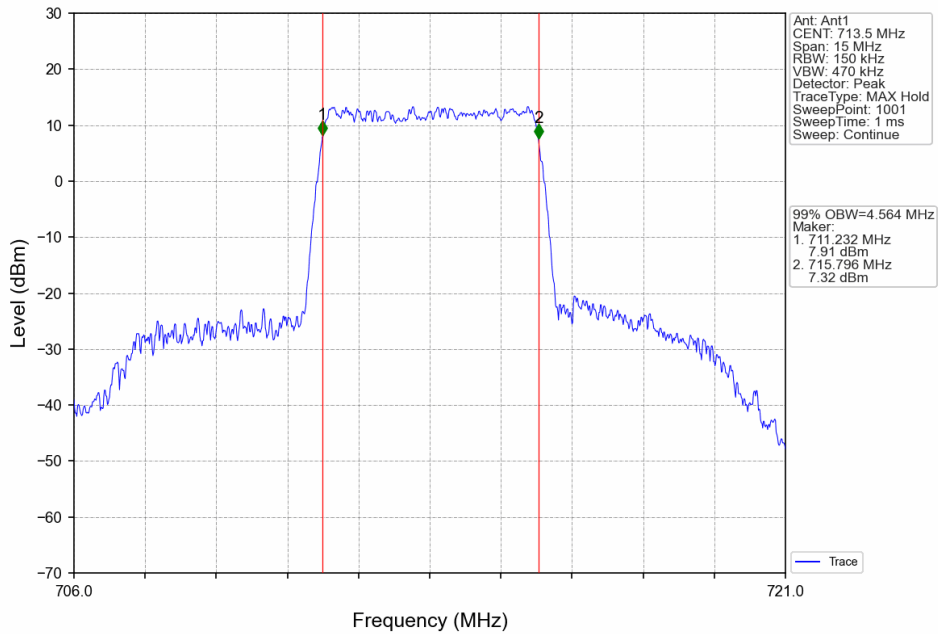
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



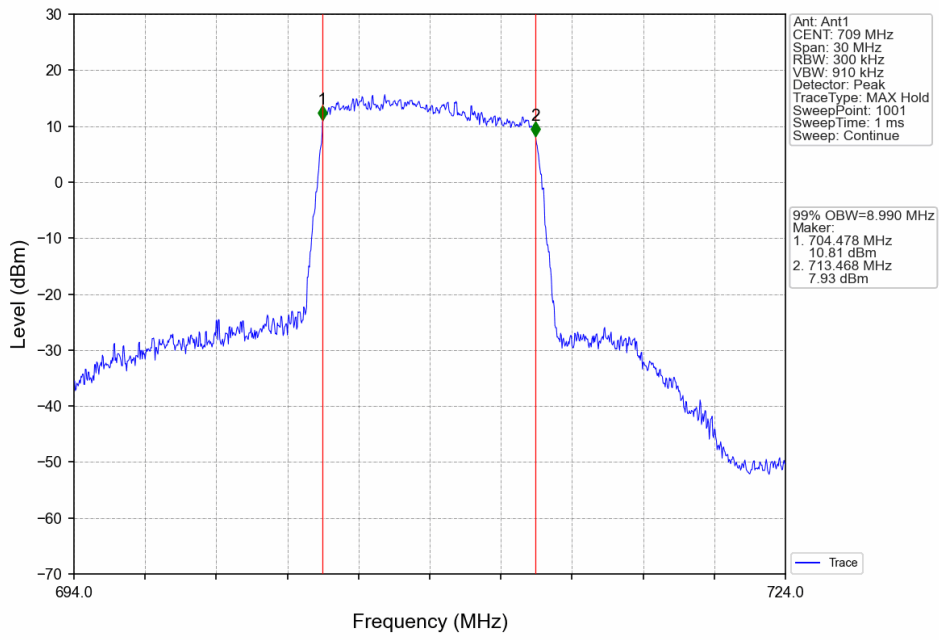
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



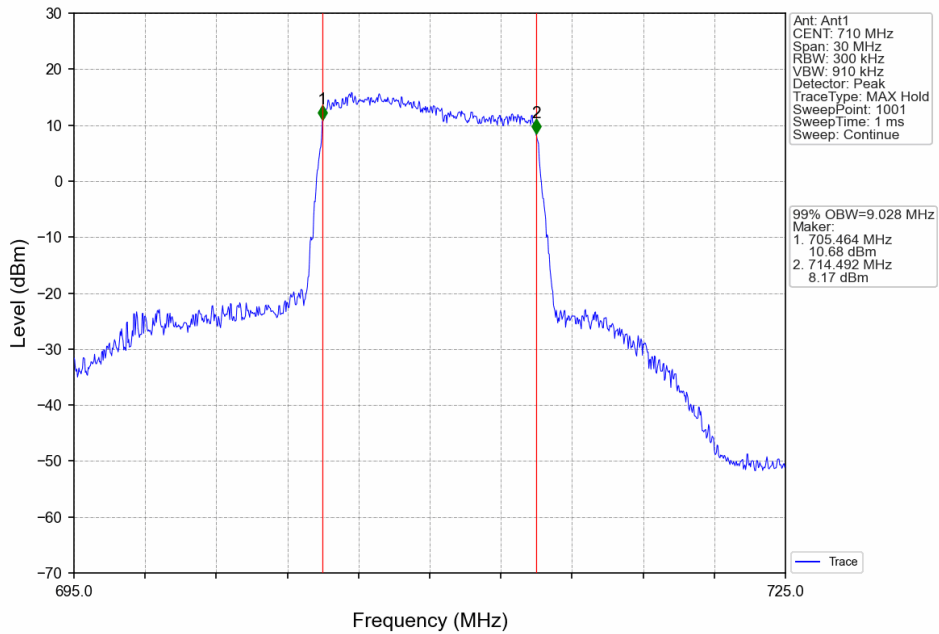
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



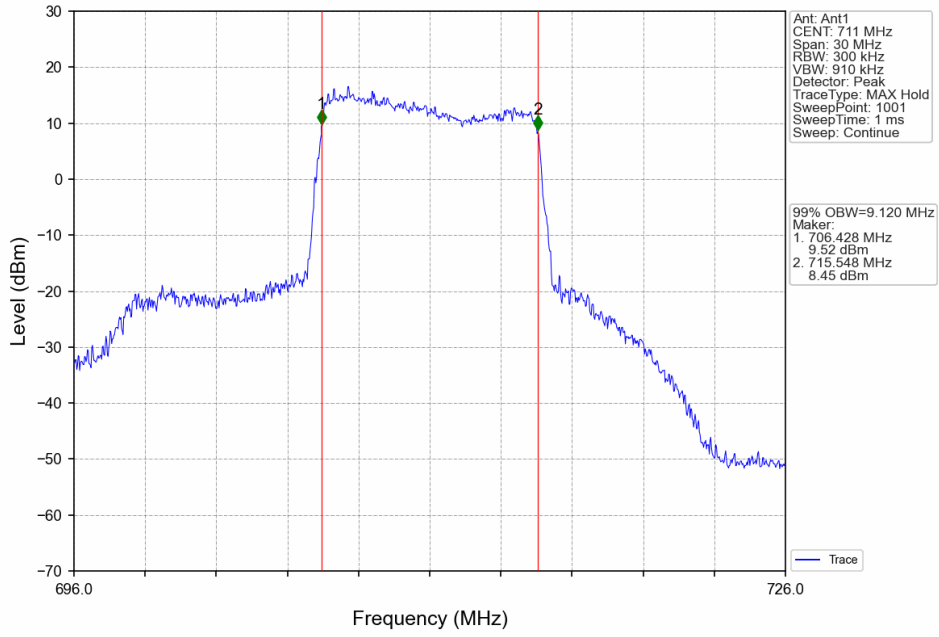
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



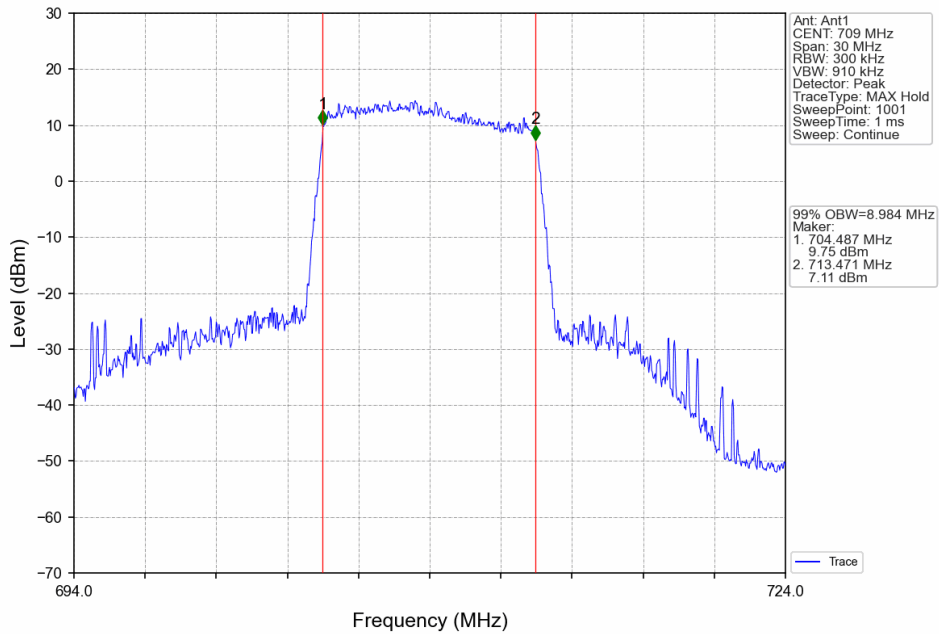
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



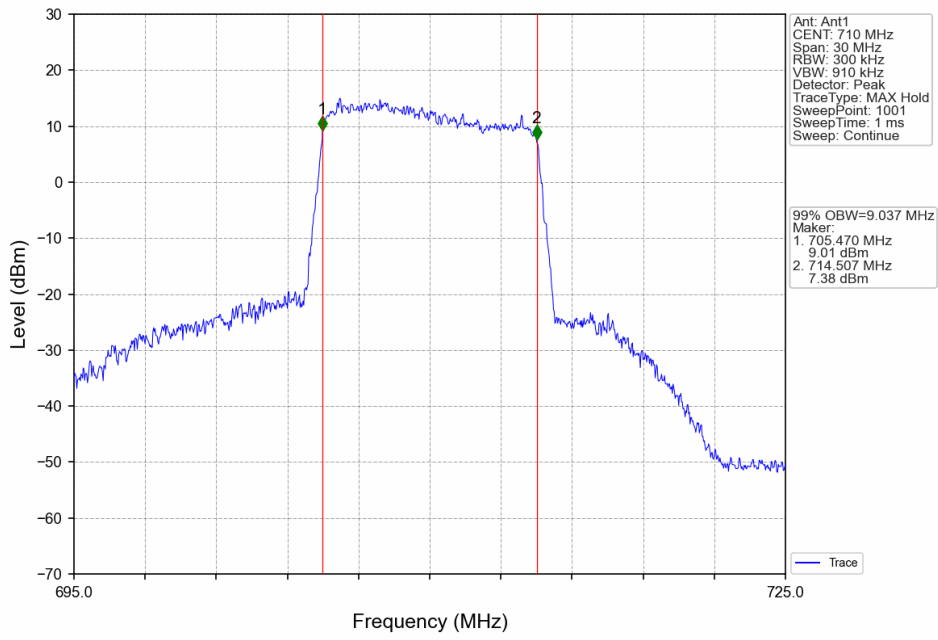
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



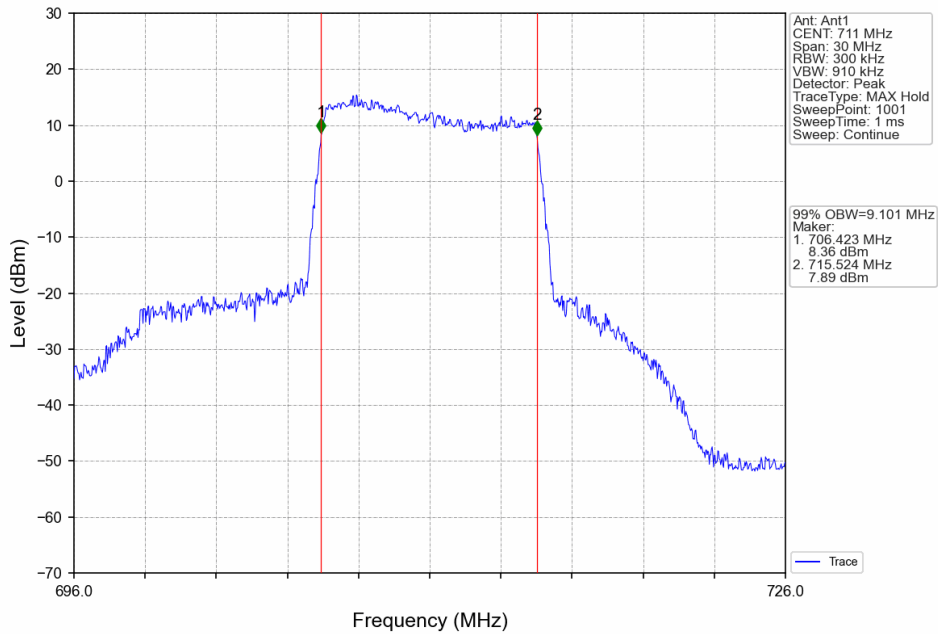
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

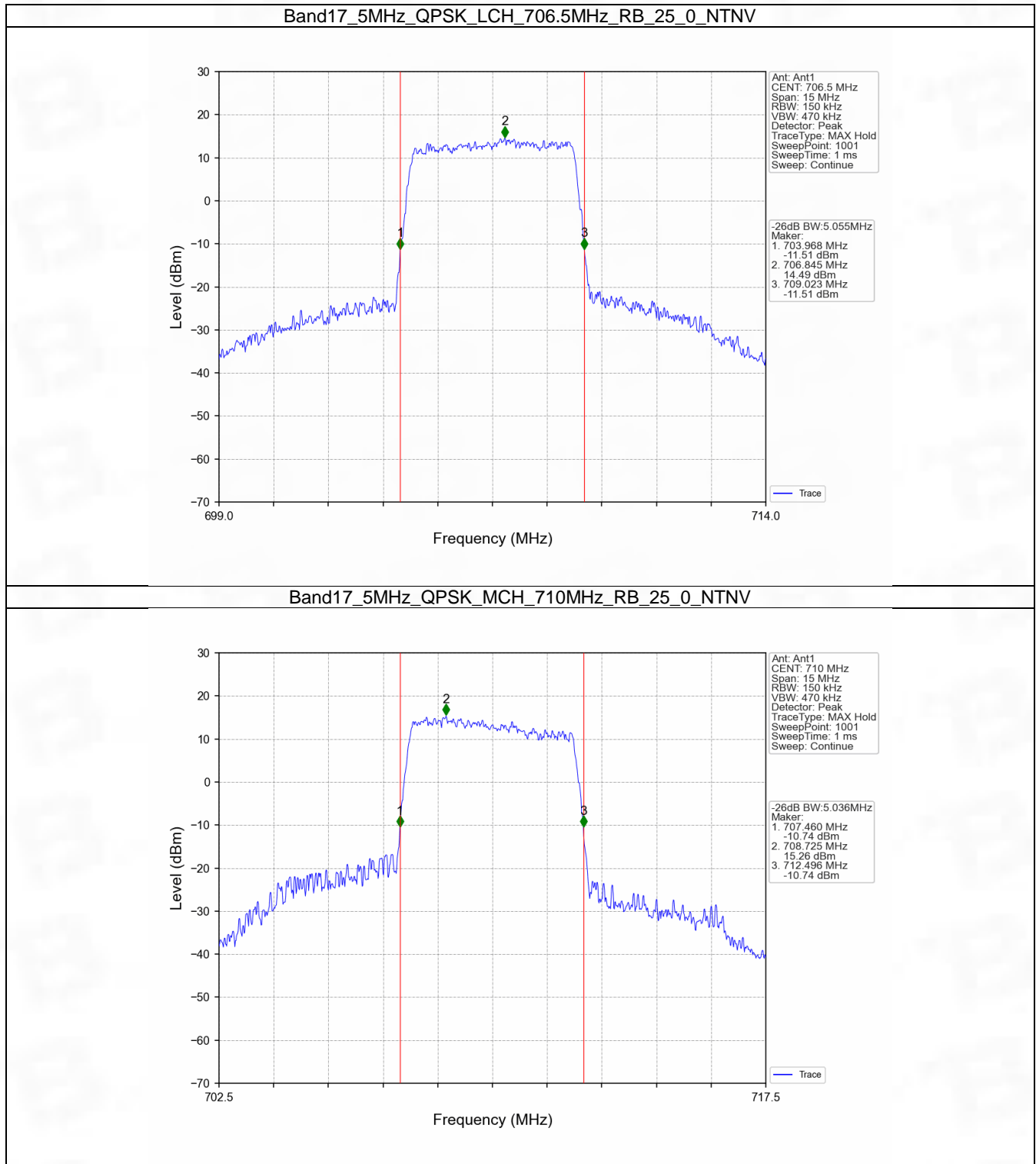


4.2 Band17_XDB

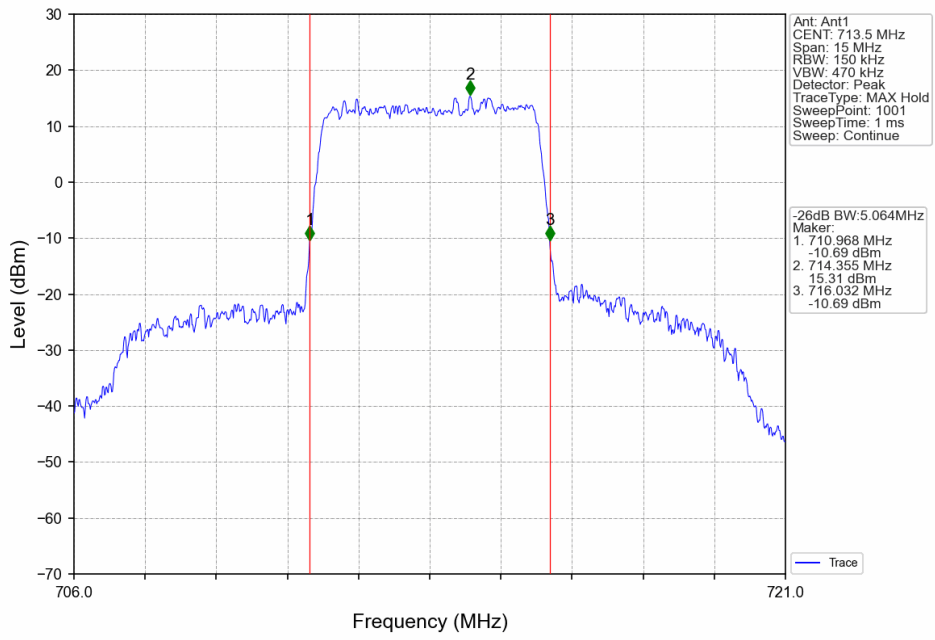
4.2.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	5.055	Pass
		710	25	0	5.036	Pass
		713.5	25	0	5.064	Pass
	16QAM	706.5	25	0	5.032	Pass
		710	25	0	5.028	Pass
		713.5	25	0	5.082	Pass
10	QPSK	709	50	0	9.913	Pass
		710	50	0	10.000	Pass
		711	50	0	9.972	Pass
	16QAM	709	50	0	9.955	Pass
		710	50	0	9.951	Pass
		711	50	0	10.053	Pass

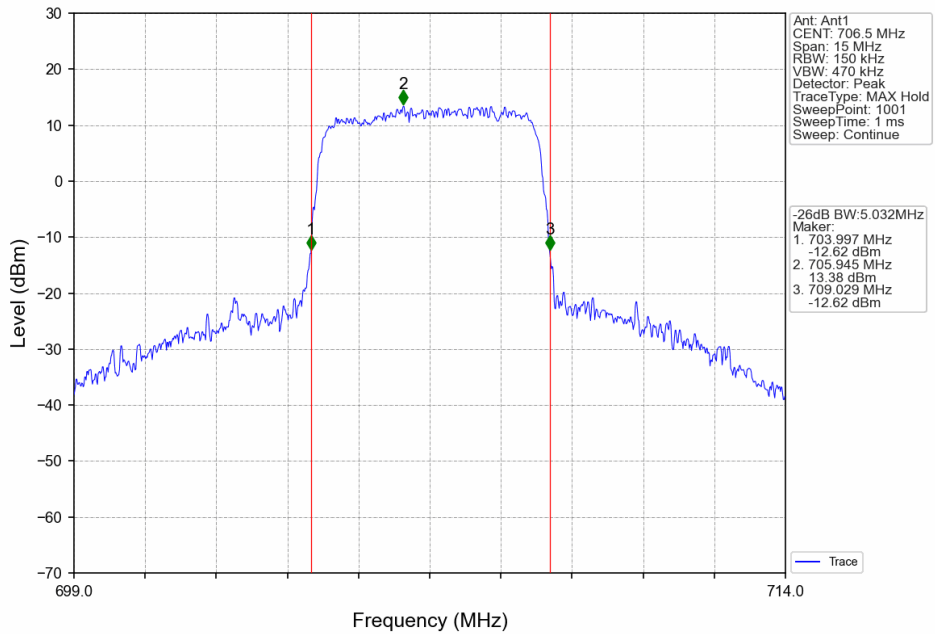
4.2.2 Test Graph



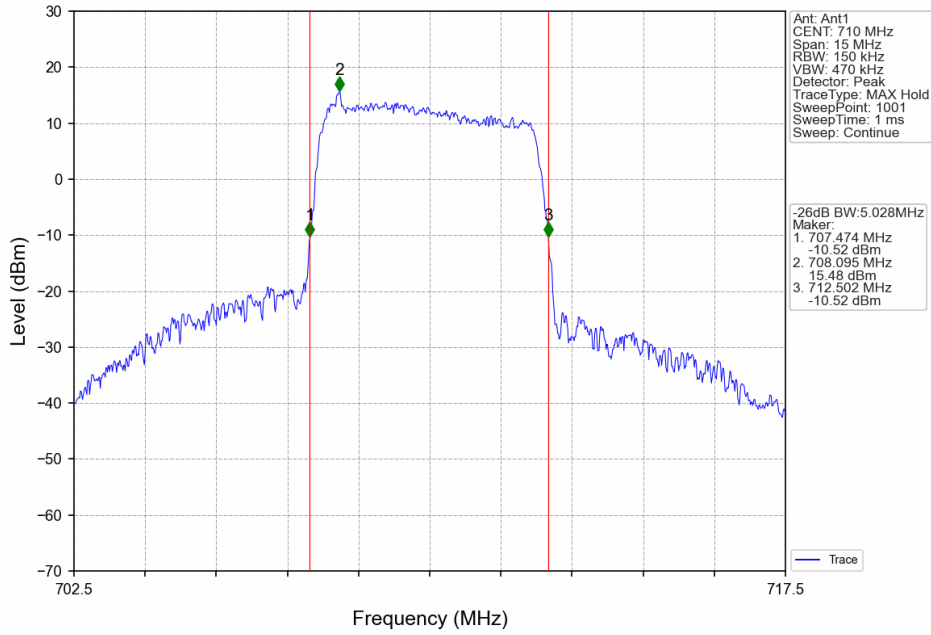
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



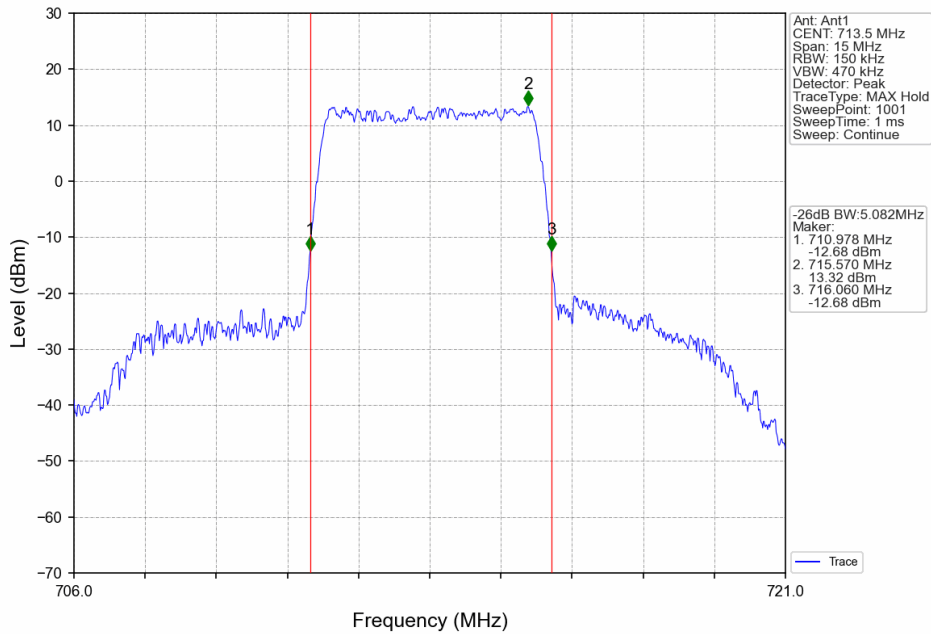
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



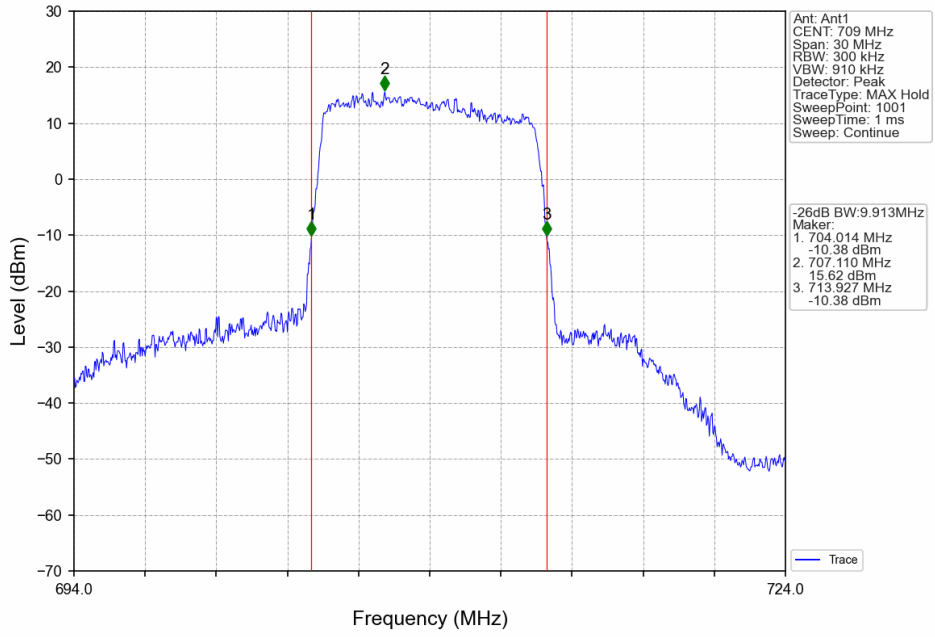
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



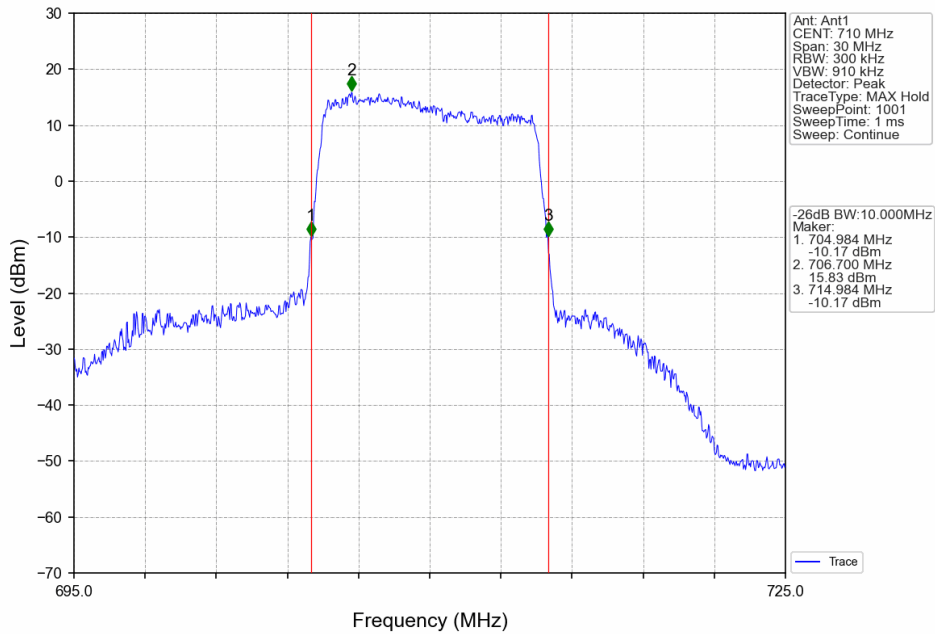
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



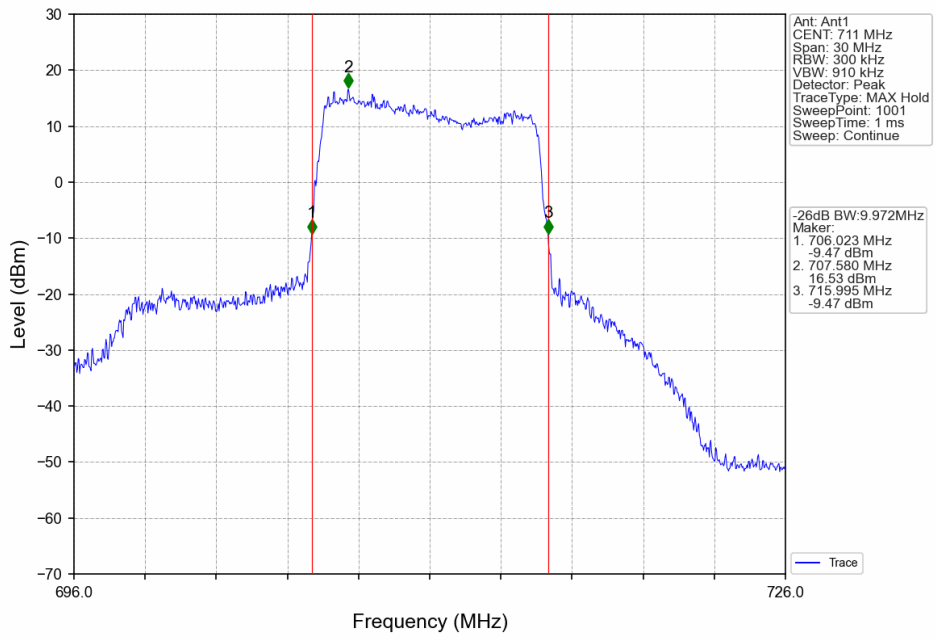
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



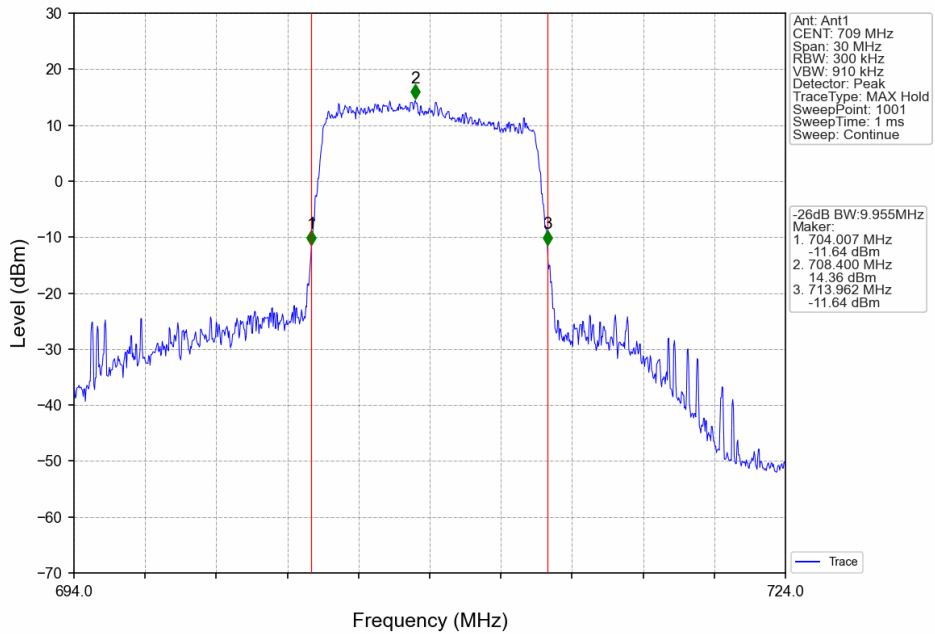
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



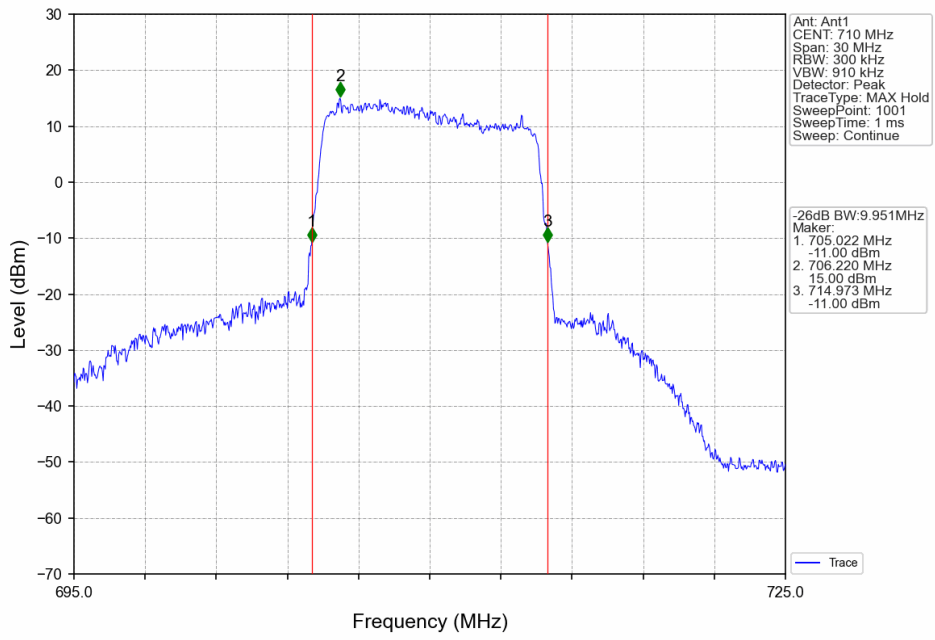
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



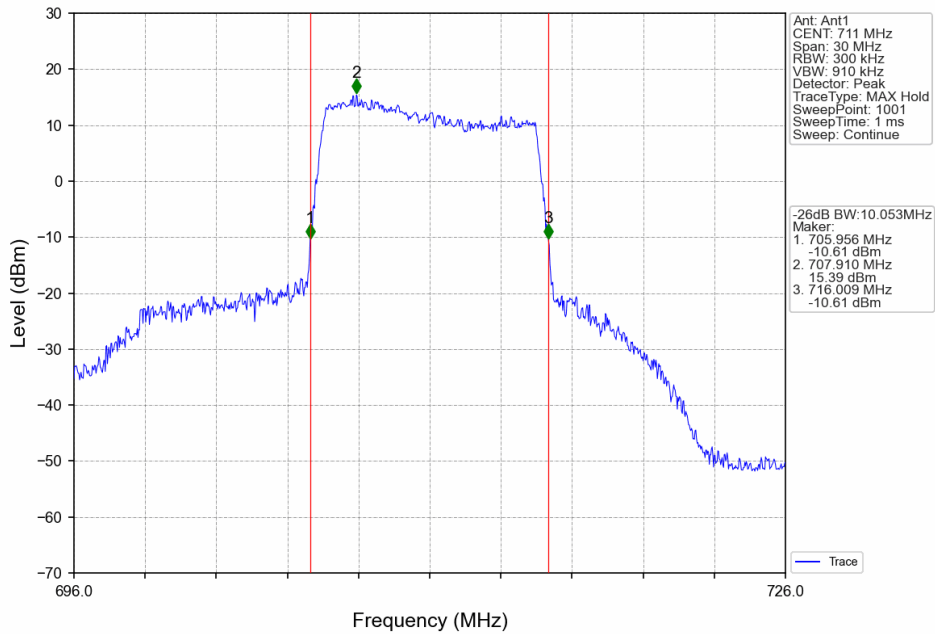
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



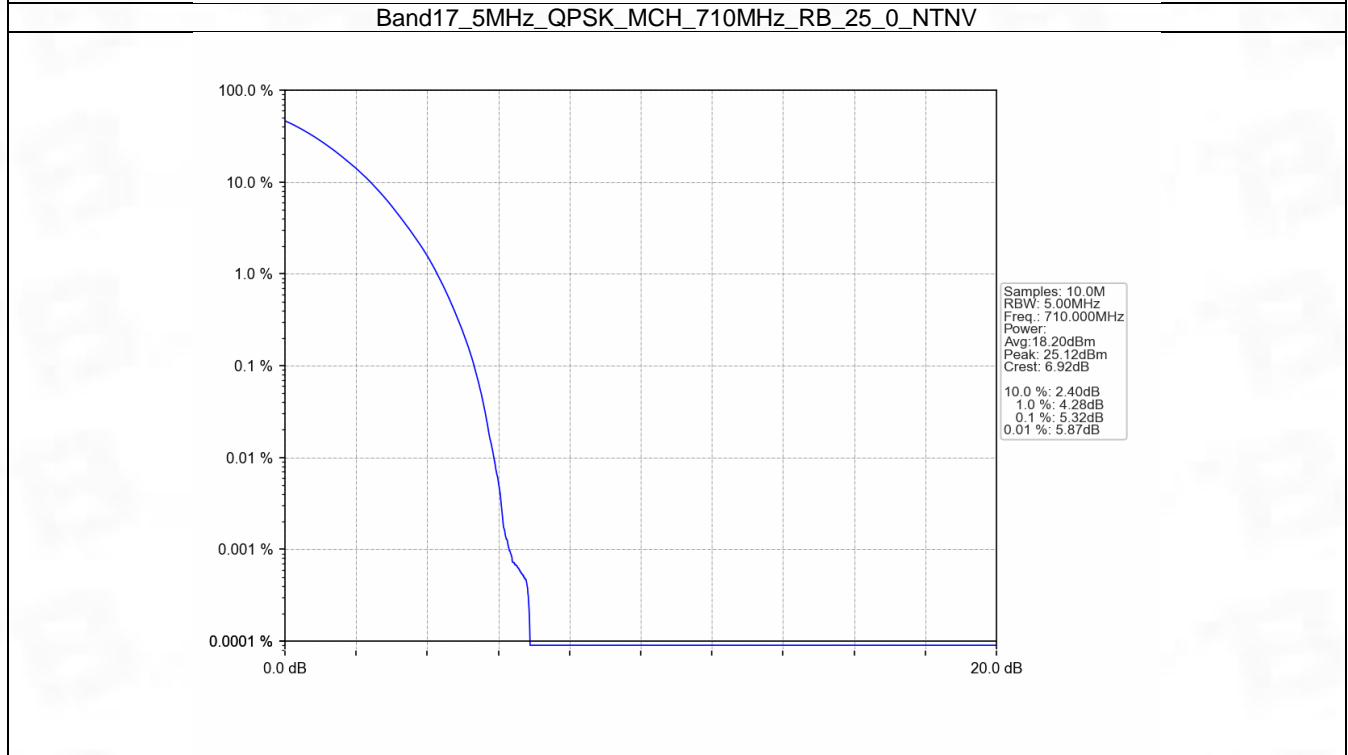
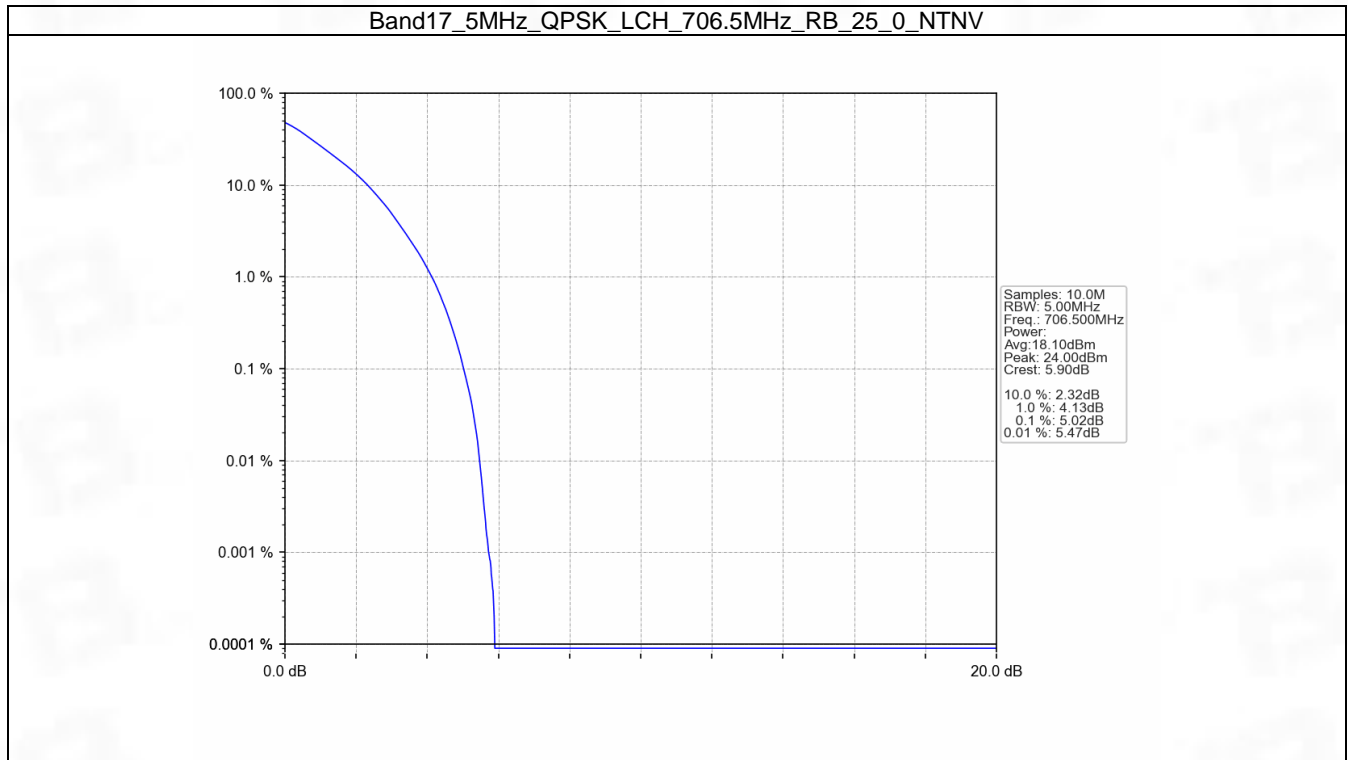
5. Peak-Average Ratio

5.1 B17_5MHz

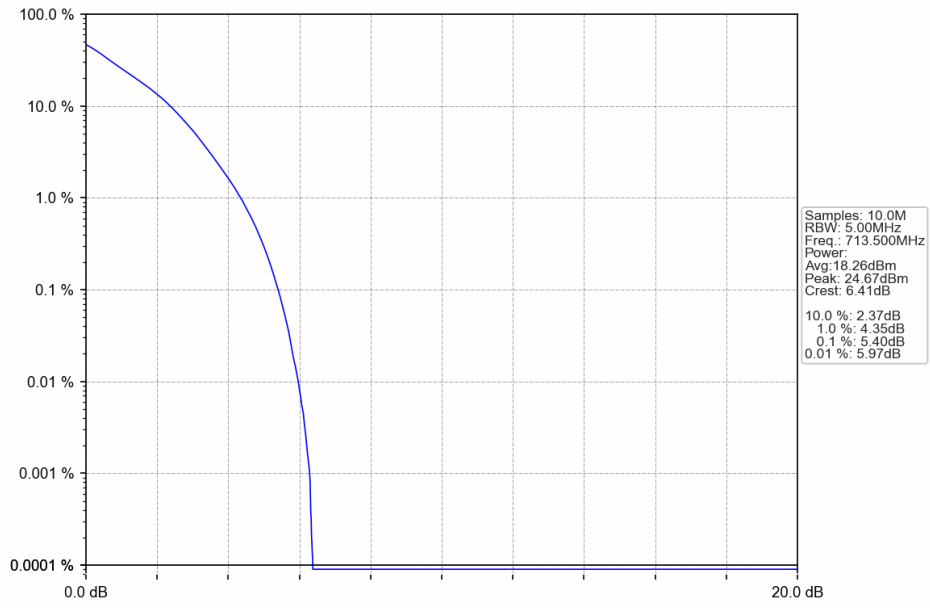
5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.02	<=13	Pass
	710	25	0	5.32	<=13	Pass
	713.5	25	0	5.40	<=13	Pass
16QAM	706.5	25	0	5.78	<=13	Pass
	710	25	0	6.07	<=13	Pass
	713.5	25	0	6.14	<=13	Pass

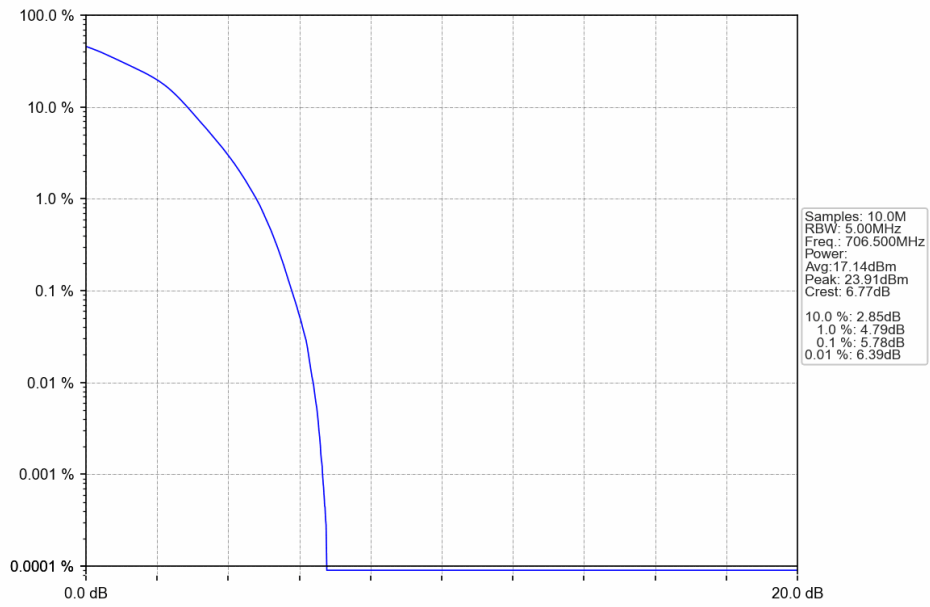
5.1.2 Test Graph



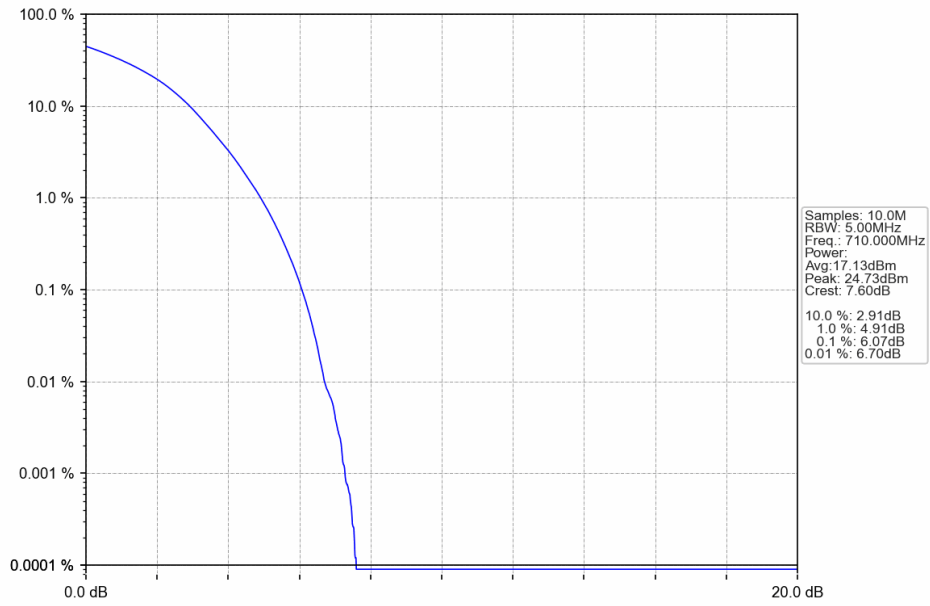
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



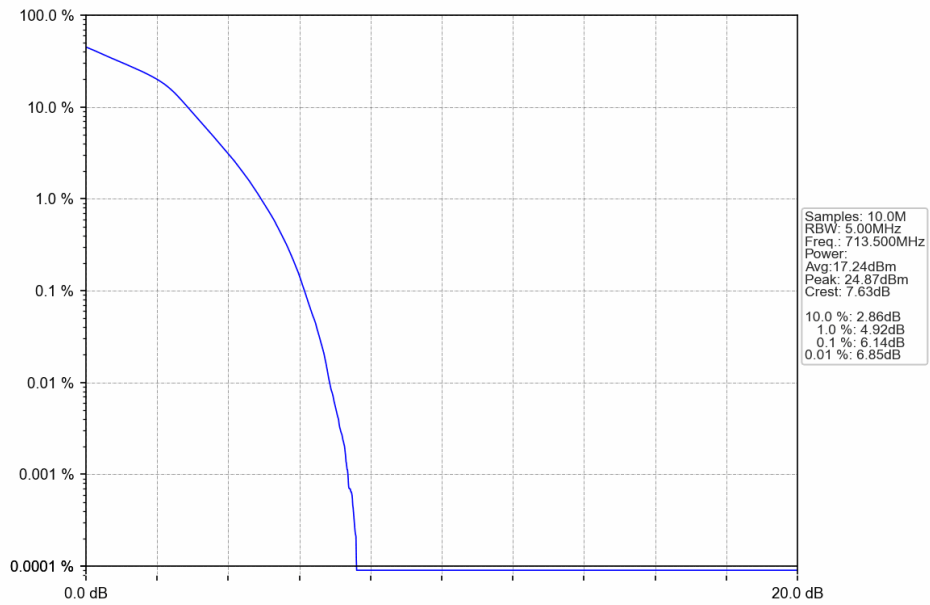
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

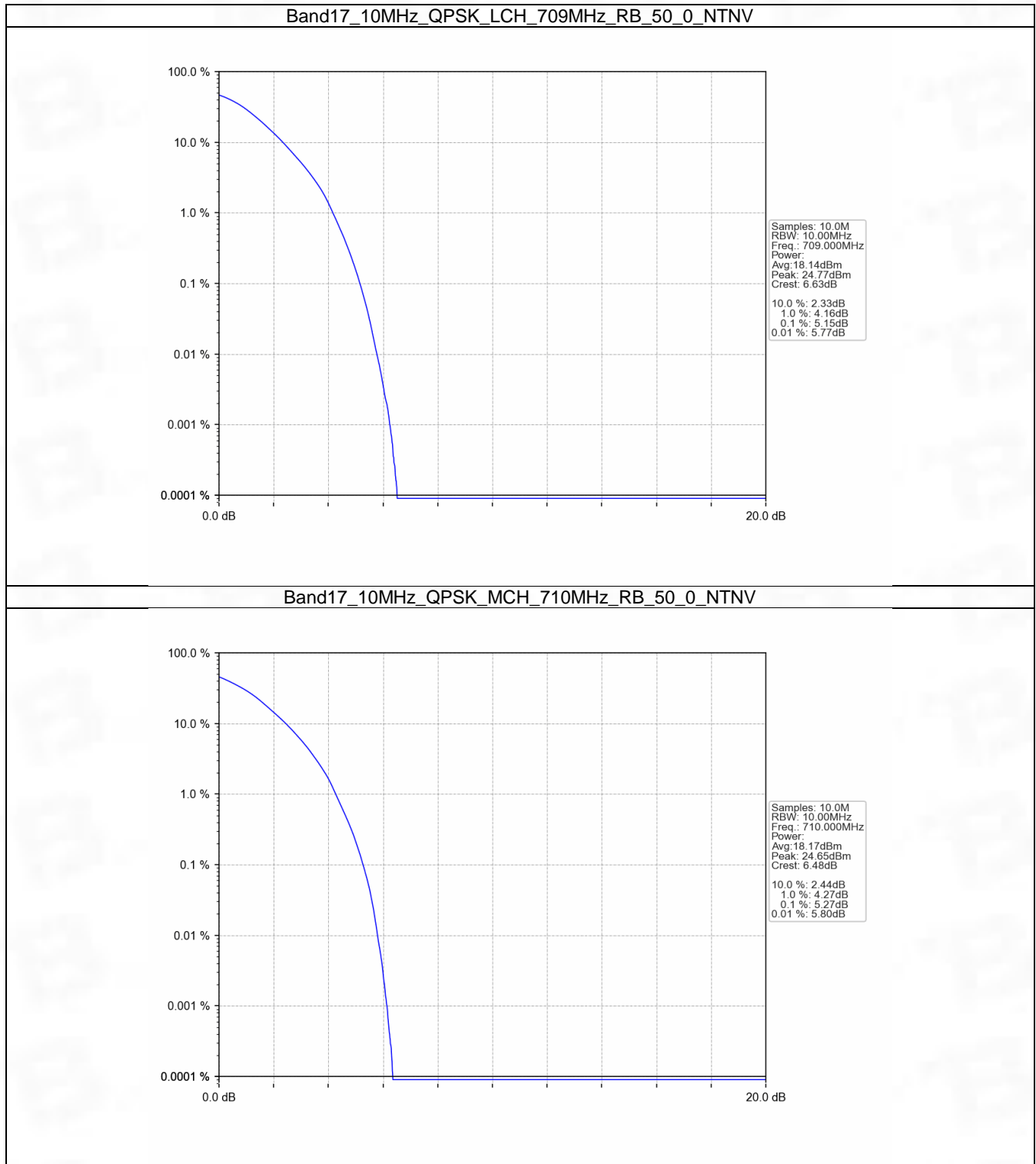


5.2 B17_10MHz

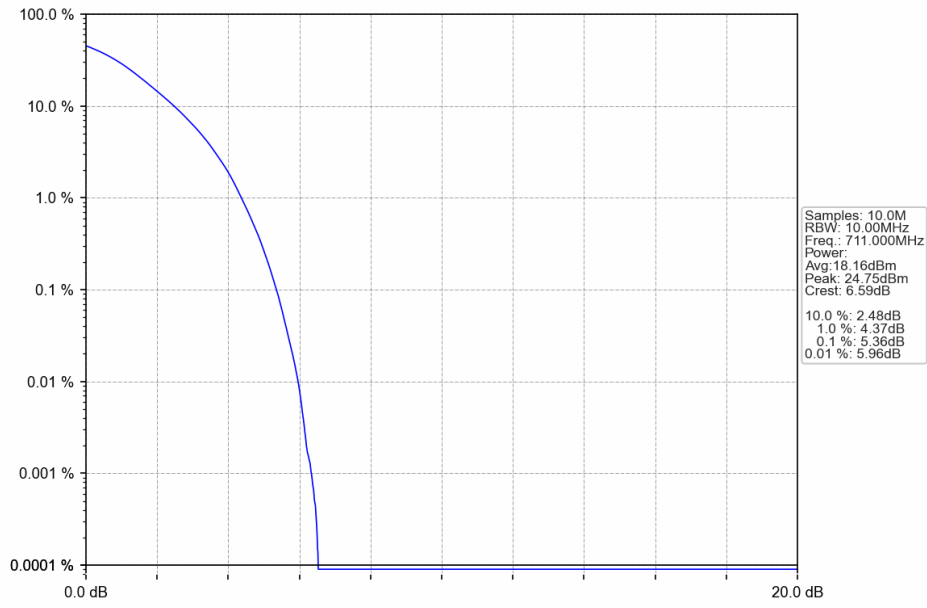
5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.15	<=13	Pass
	710	50	0	5.27	<=13	Pass
	711	50	0	5.36	<=13	Pass
16QAM	709	50	0	6.01	<=13	Pass
	710	50	0	6.03	<=13	Pass
	711	50	0	6.11	<=13	Pass

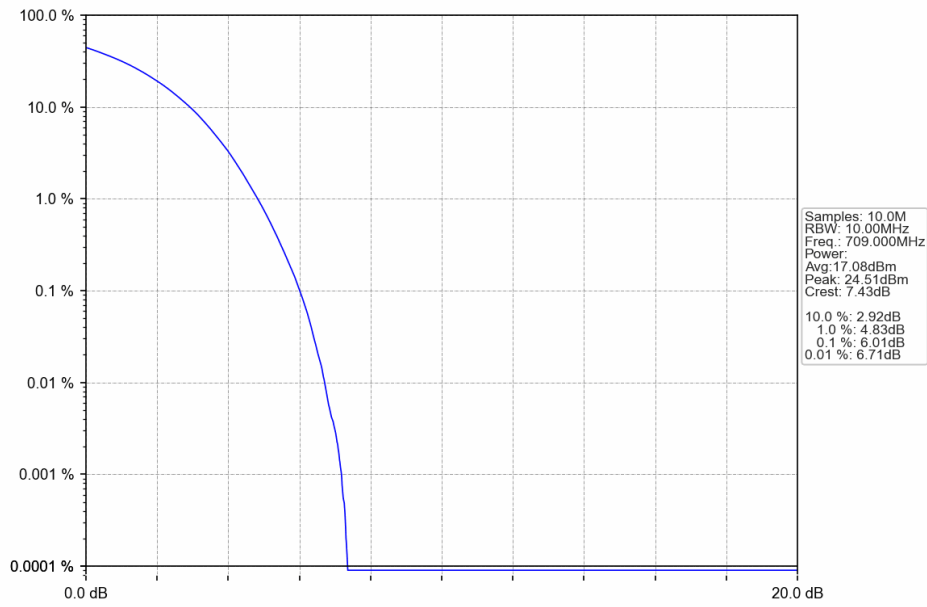
5.2.2 Test Graph



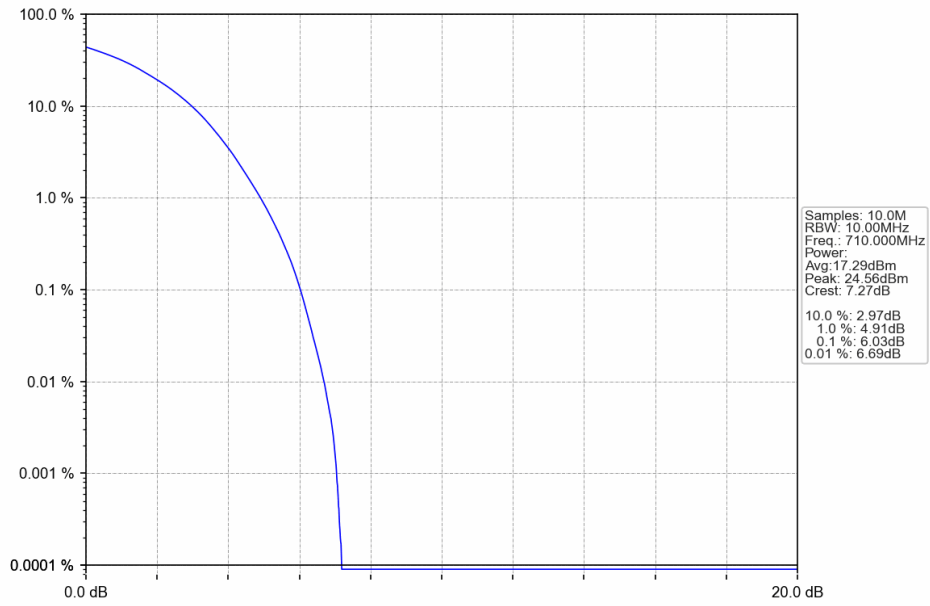
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



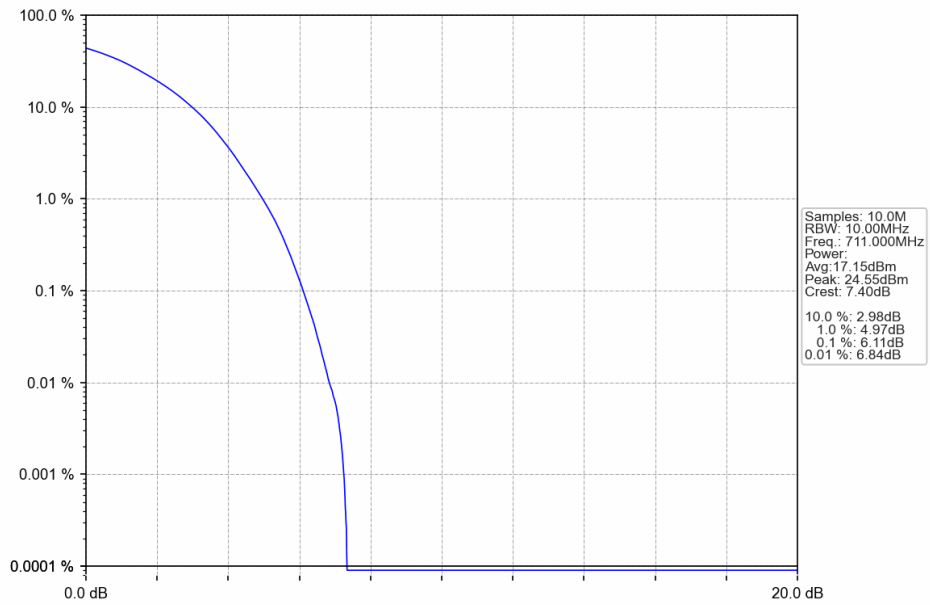
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



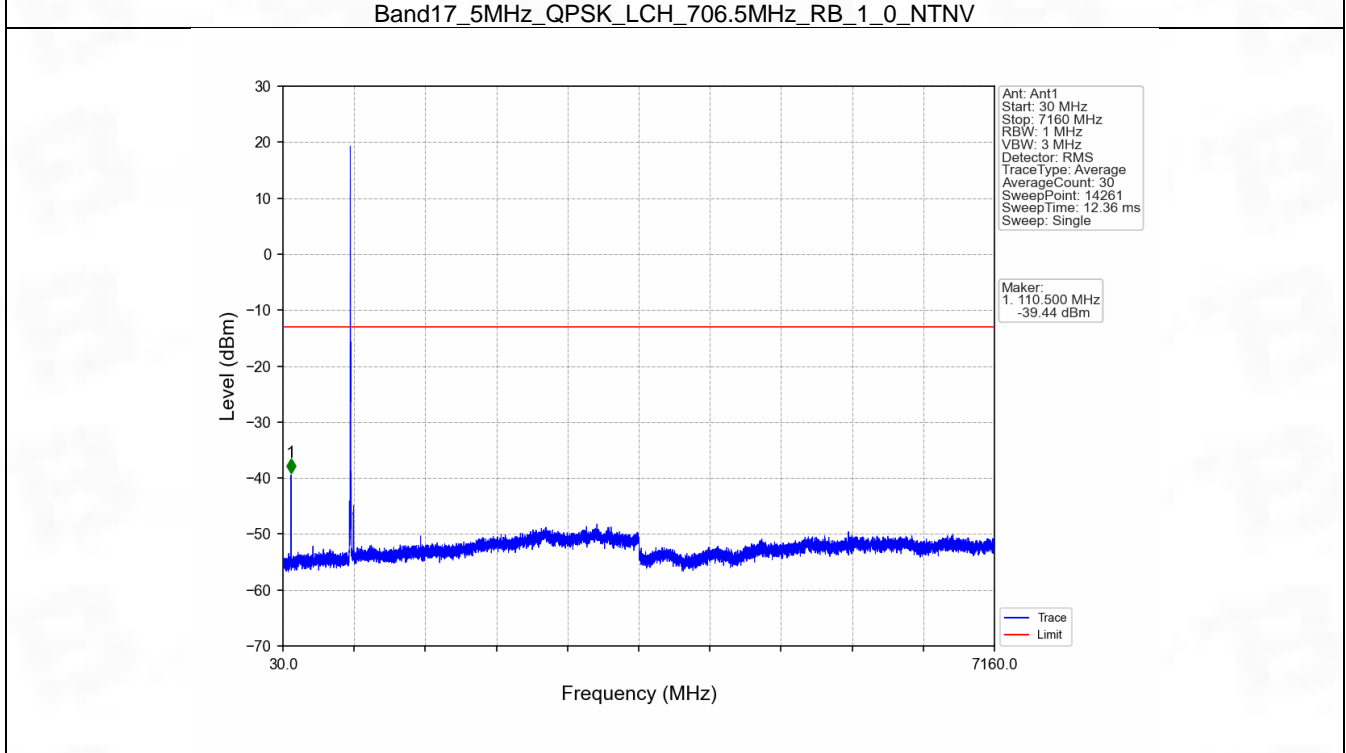
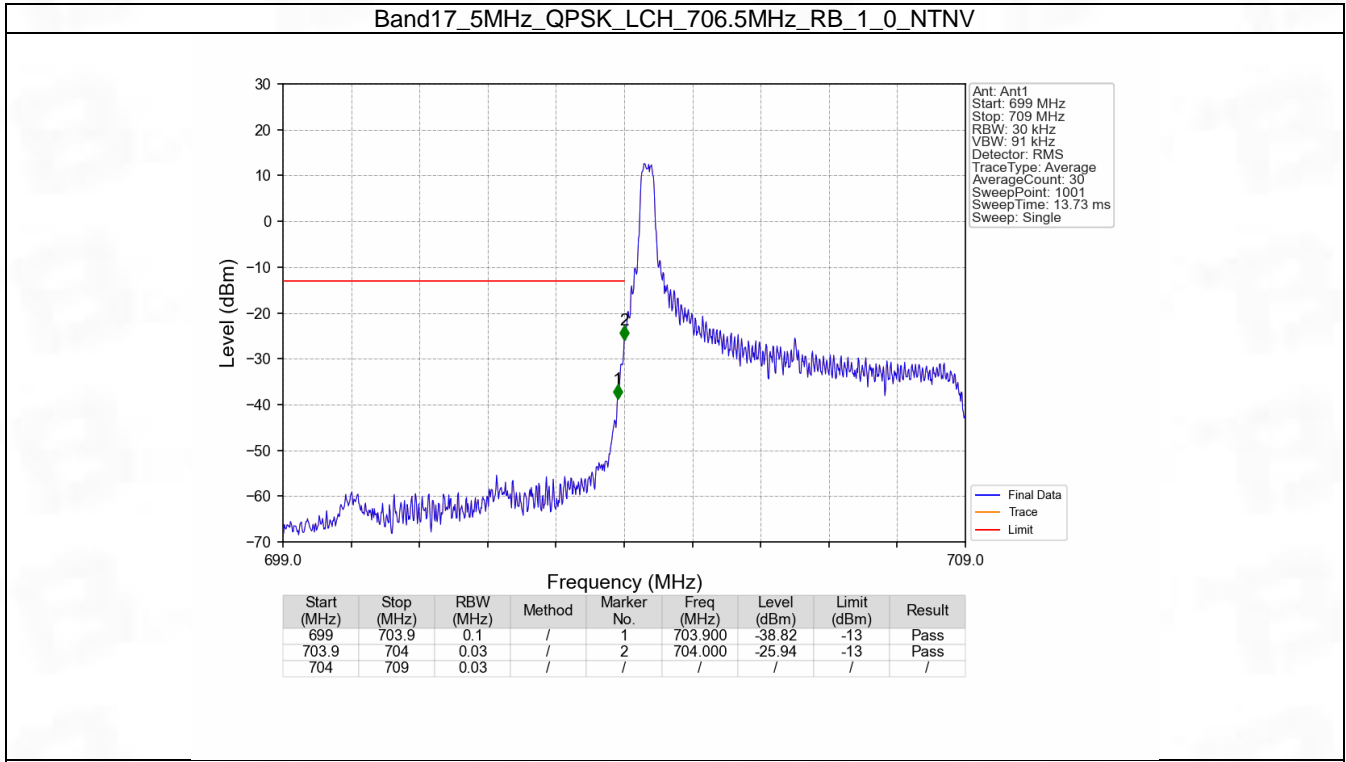
6. Spurious Emission

6.1 B17_5MHz

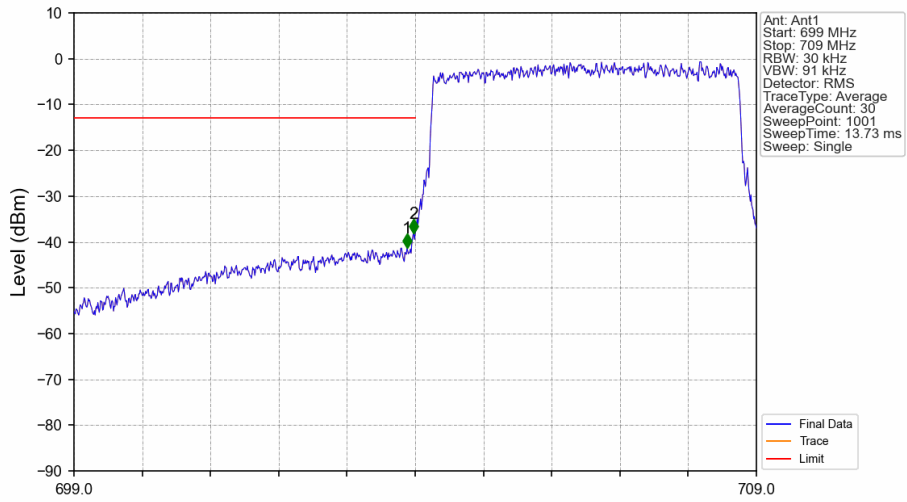
6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		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	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
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	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	

6.1.2 Test Graph

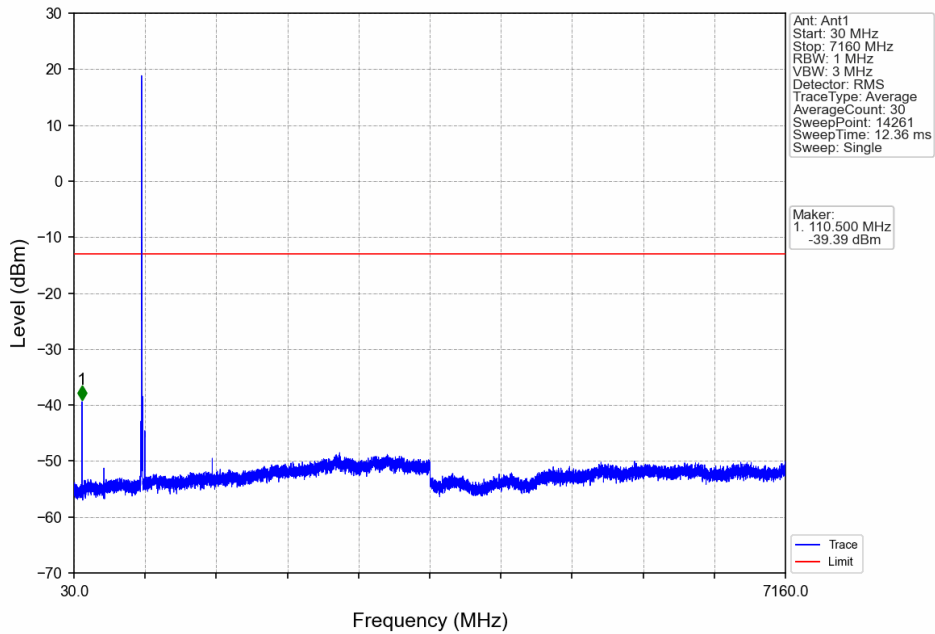


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

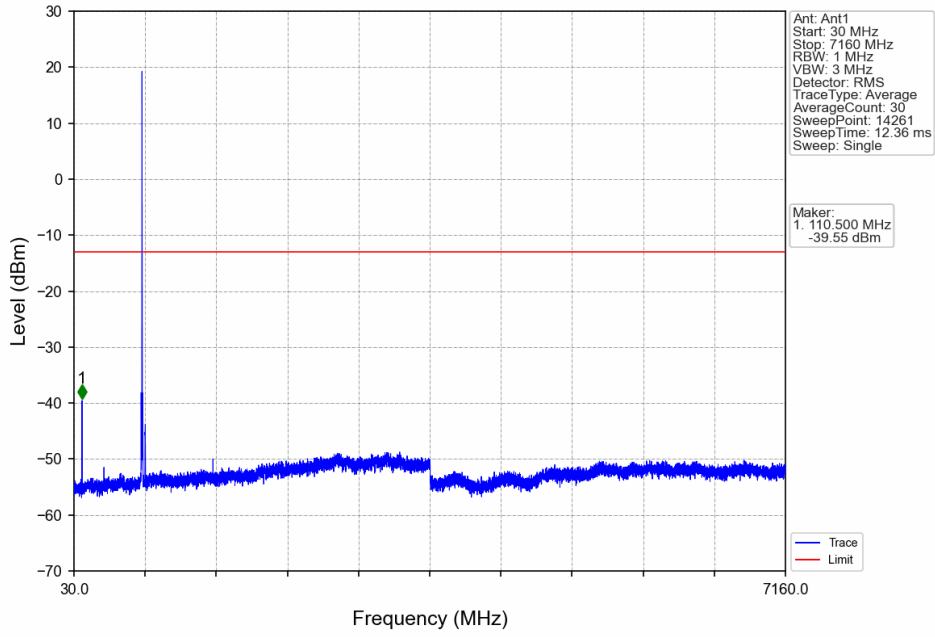


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.880	-41.35	-13	Pass
703.9	704	0.03	/	2	703.980	-38.14	-13	Pass
704	709	0.03	/	/	/	/	/	/

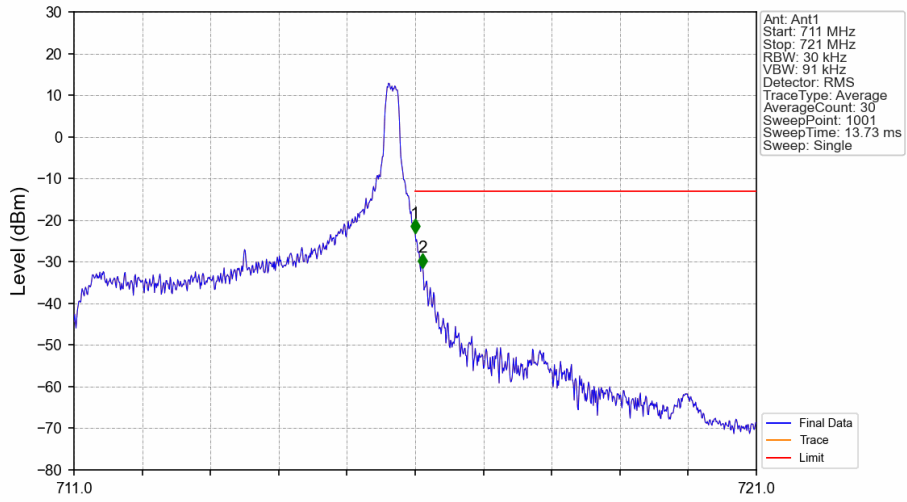
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

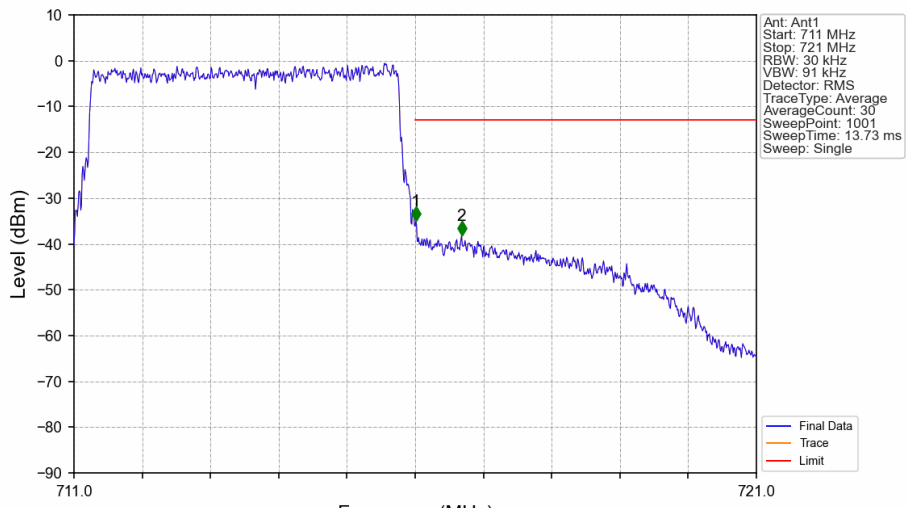


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



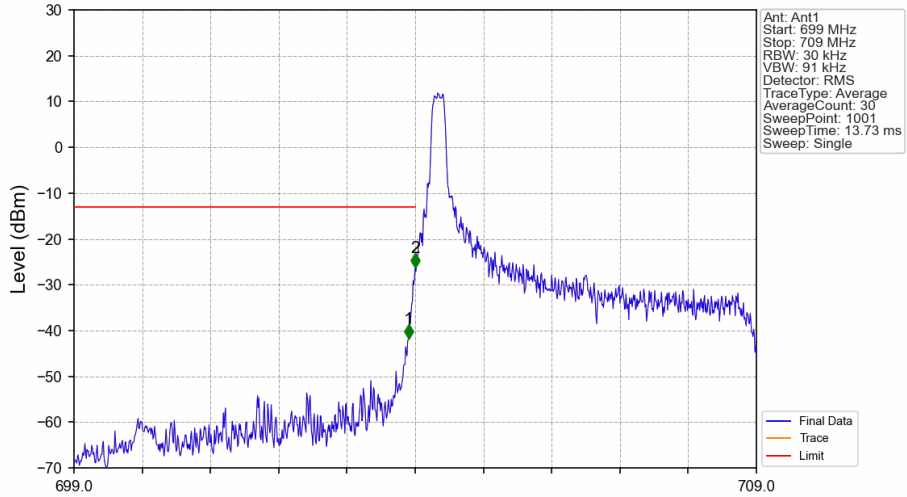
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.19	-13	Pass
716.1	721	0.1	/	2	716.110	-31.40	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



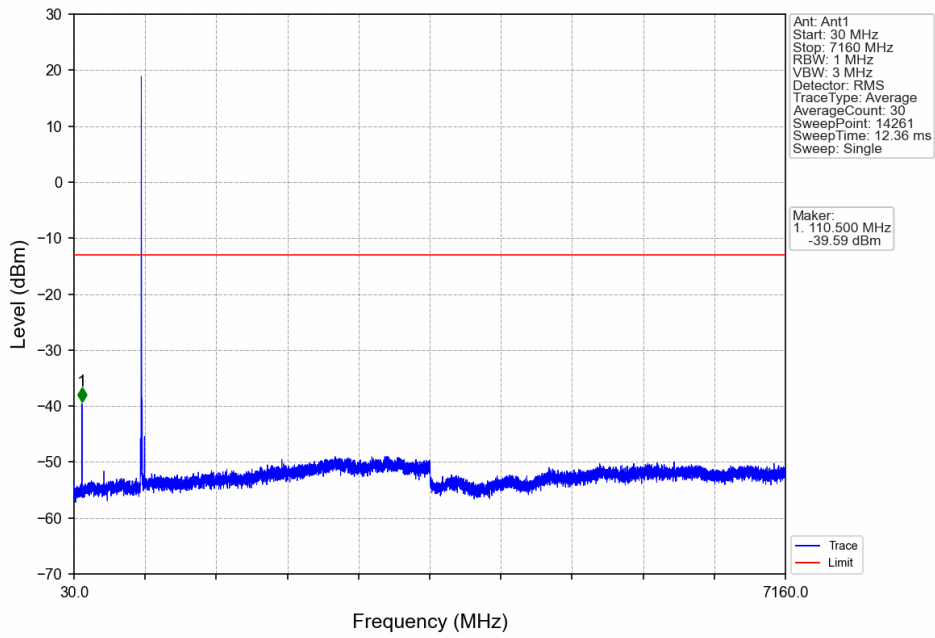
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-34.92	-13	Pass
716.1	721	0.1	/	2	716.680	-38.16	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

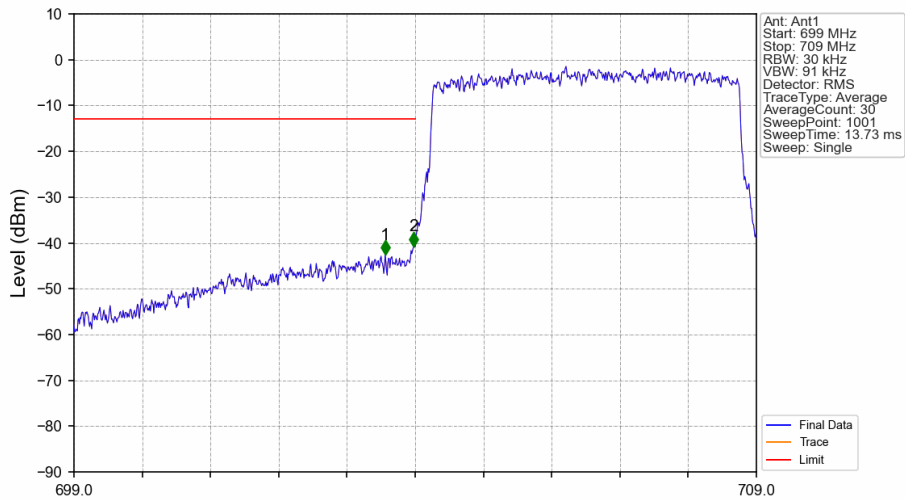


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.900	-41.79	-13	Pass
703.9	704	0.03	/	2	704.000	-26.21	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

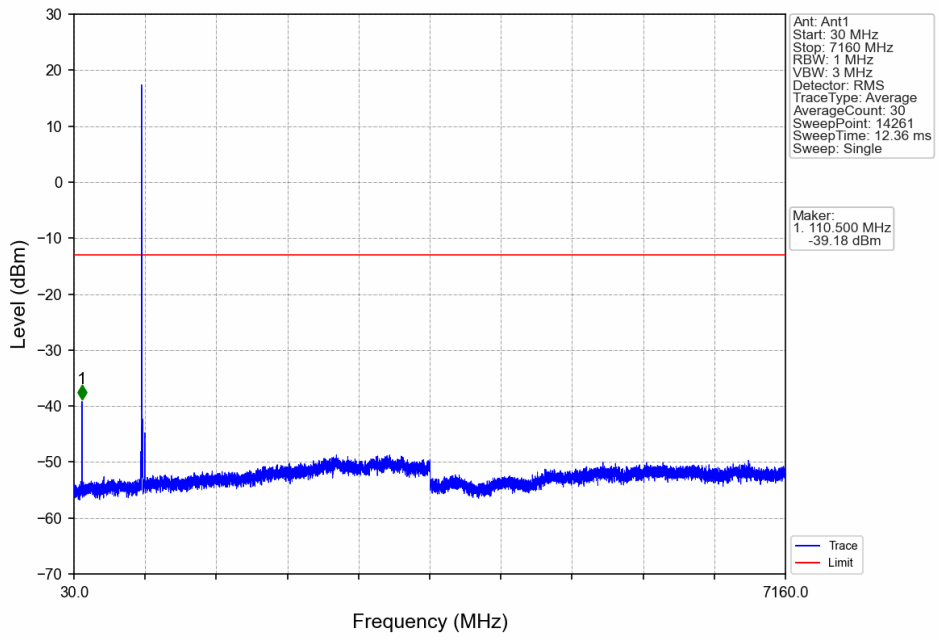


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

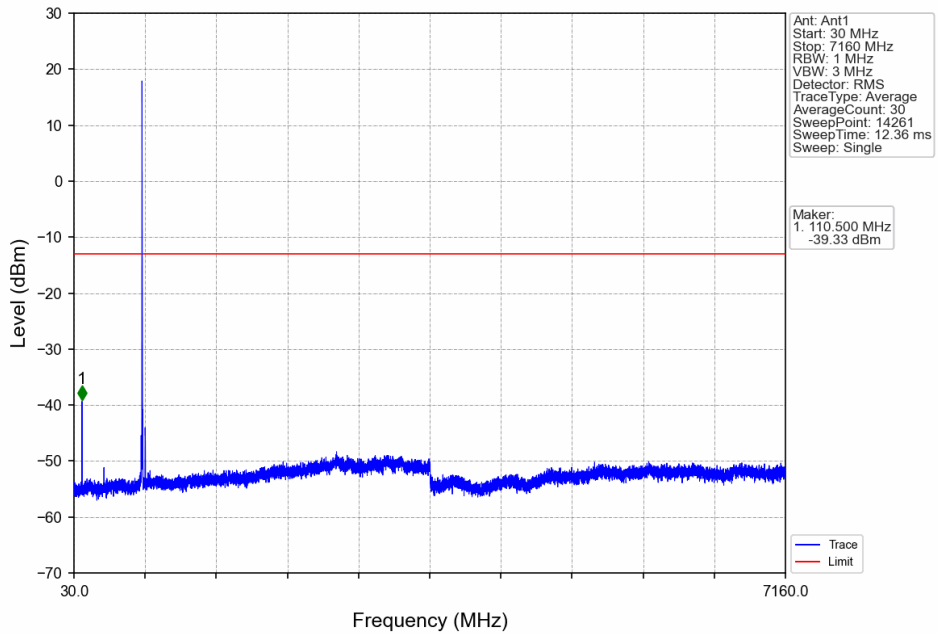


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.560	-42.54	-13	Pass
703.9	704	0.03	/	2	703.980	-40.73	-13	Pass
704	709	0.03	/	/	/	/	/	/

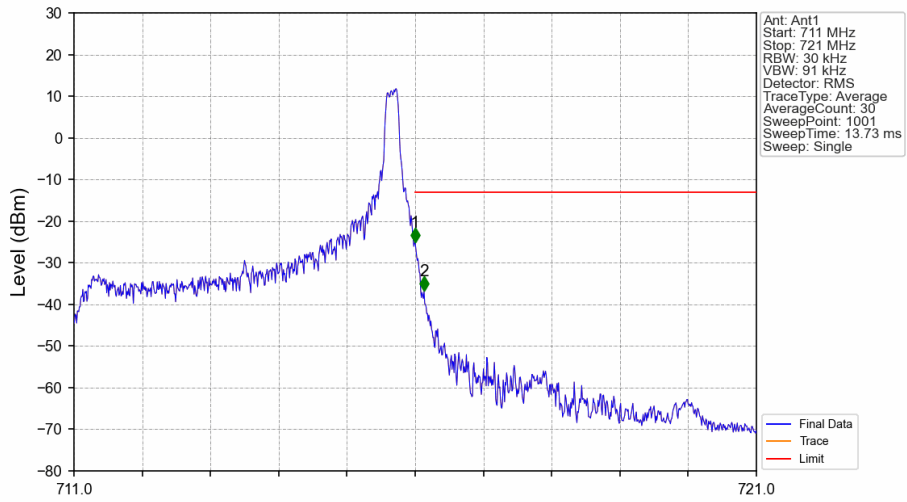
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

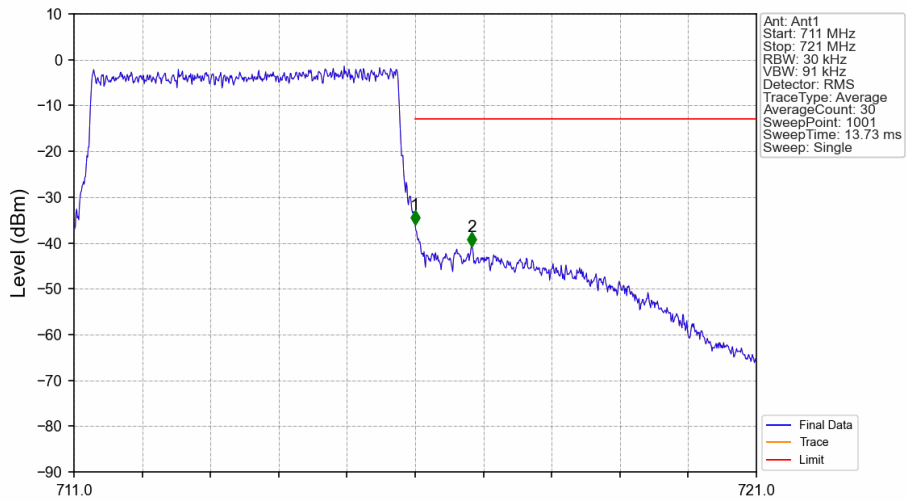


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-25.15	-13	Pass
716.1	721	0.1	/	2	716.130	-36.83	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



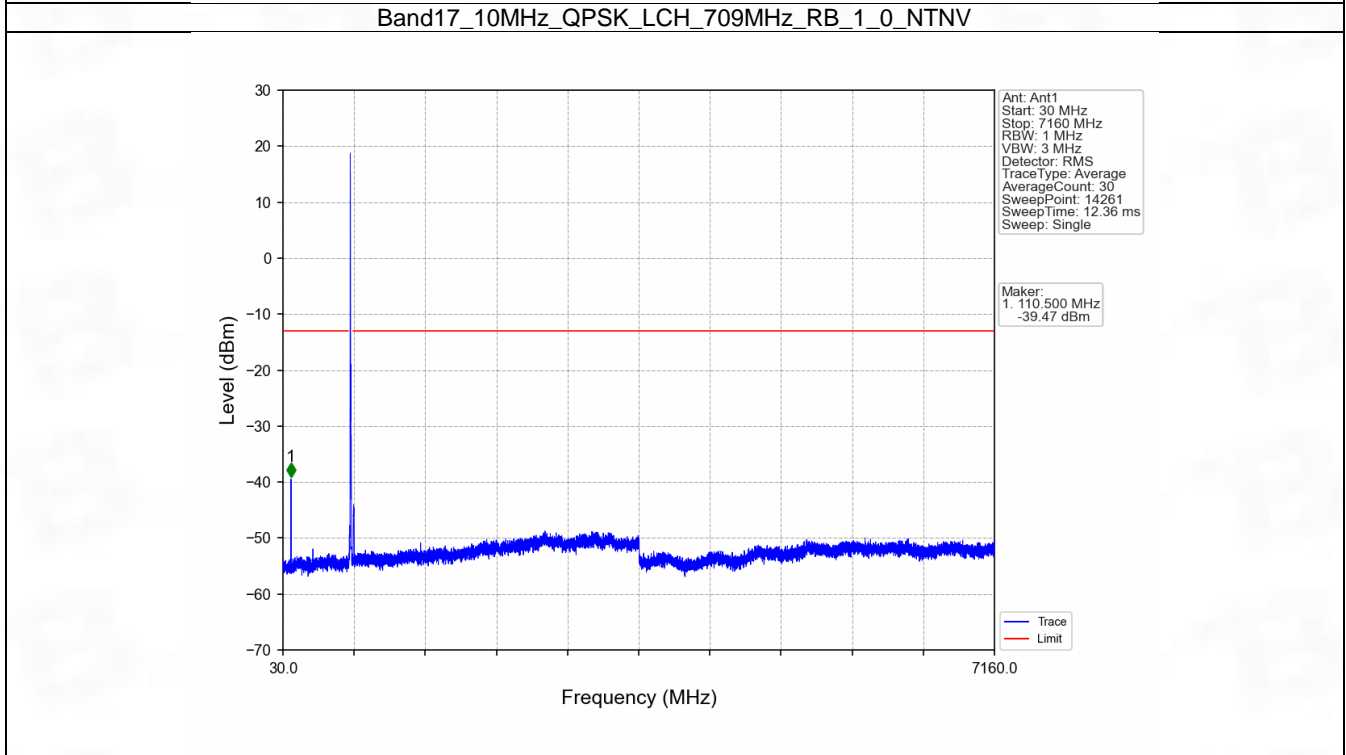
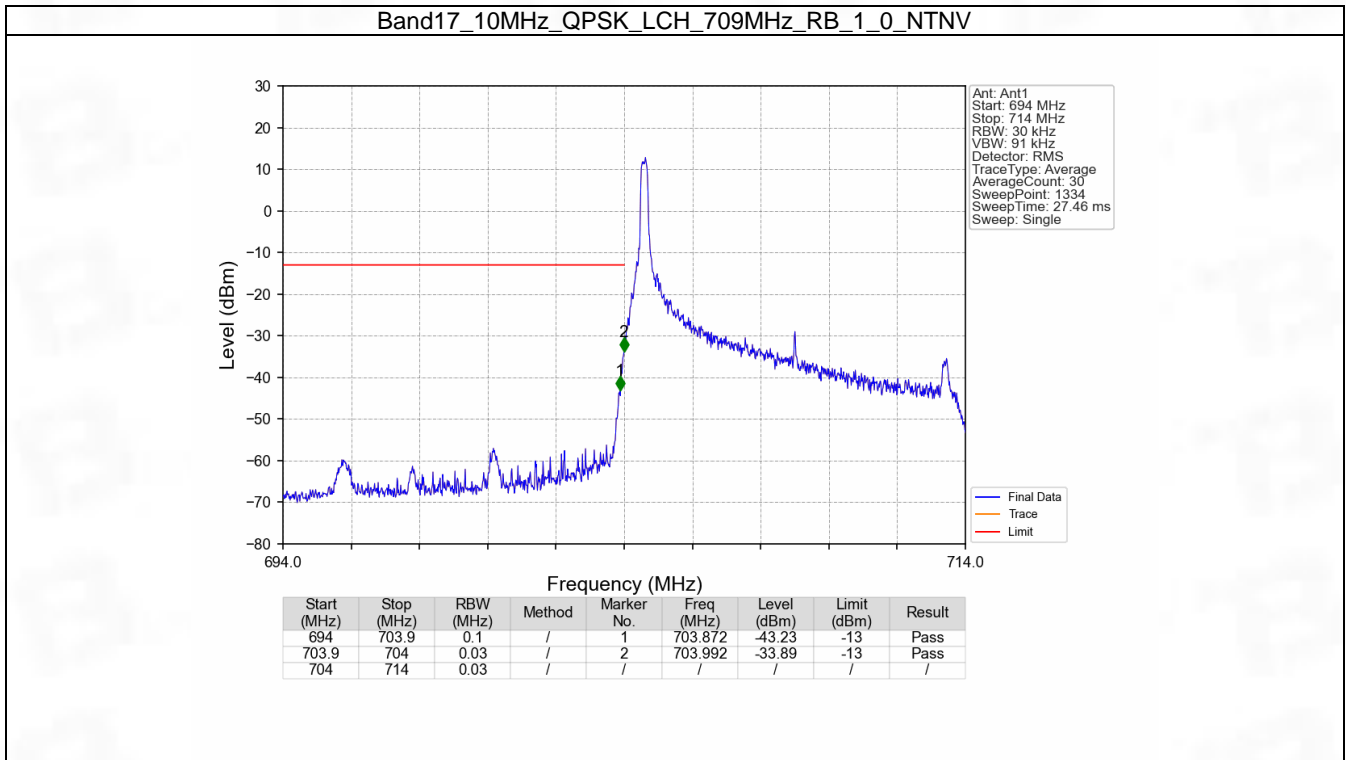
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-36.09	-13	Pass
716.1	721	0.1	/	2	716.830	-40.85	-13	Pass

6.2 B17_10MHz

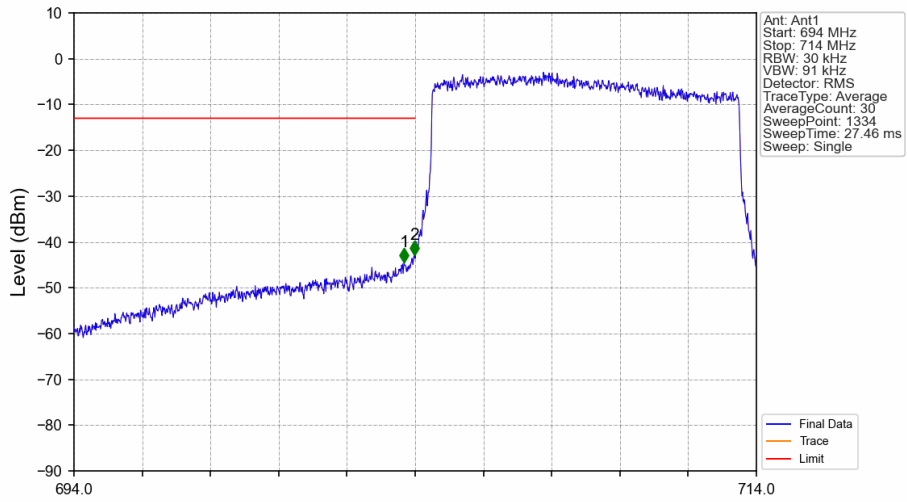
6.2.1 Test Result

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	49	Refer To Test Graph		Pass
		50	0	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
	711	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2.2 Test Graph

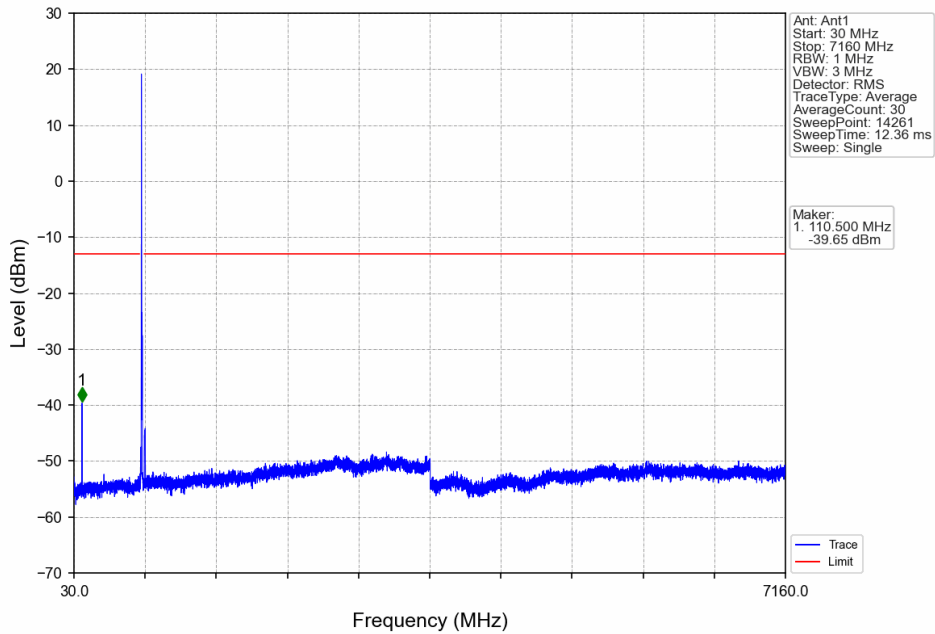


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

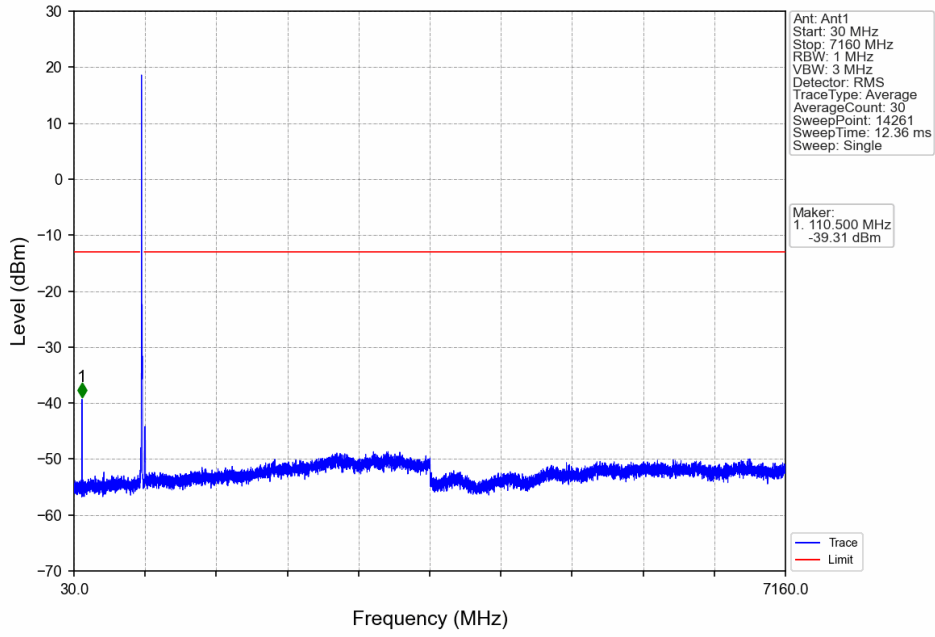


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	703.677	-44.41	-13	Pass
703.9	704	0.03	/	2	703.977	-42.84	-13	Pass
704	714	0.03	/	/	/	/	/	/

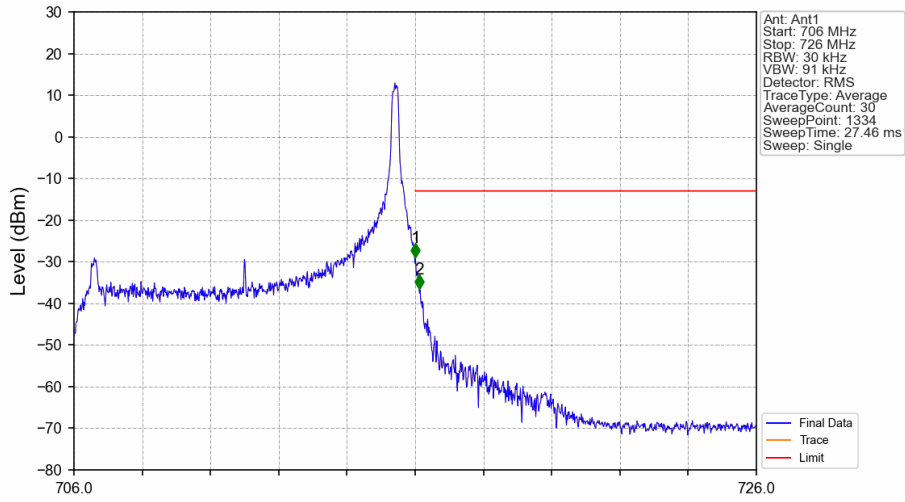
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

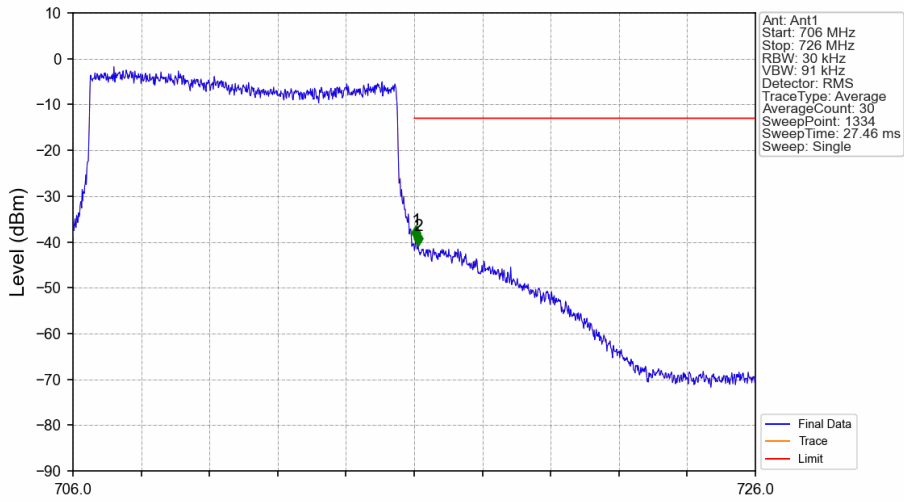


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



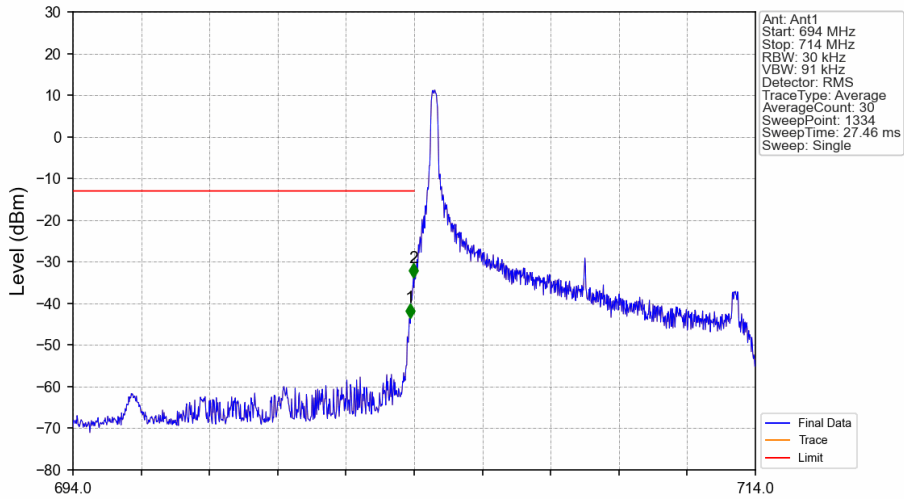
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-29.02	-13	Pass
716.1	726	0.1	/	2	716.113	-36.51	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



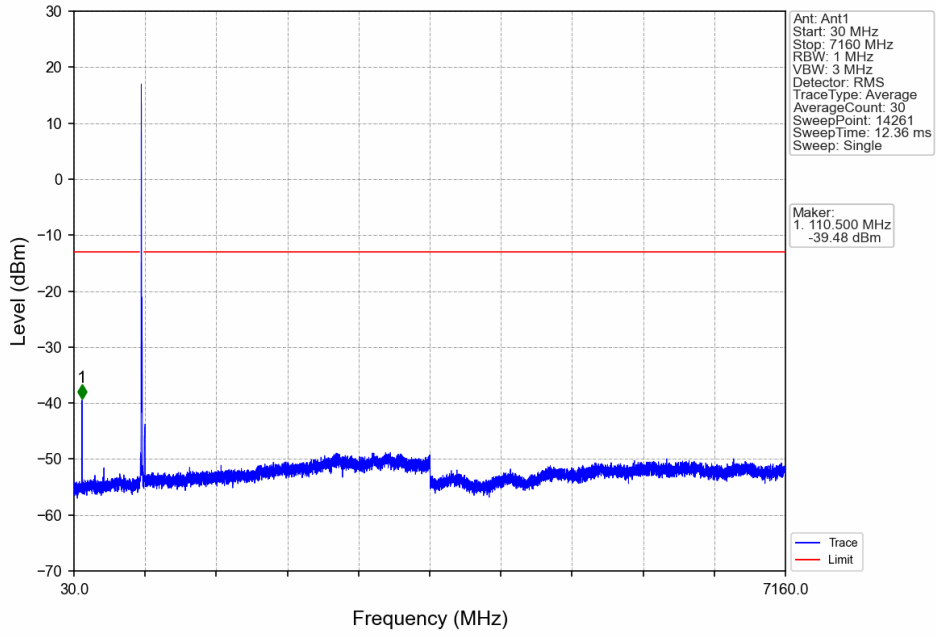
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.053	-39.58	-13	Pass
716.1	726	0.1	/	2	716.113	-40.78	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

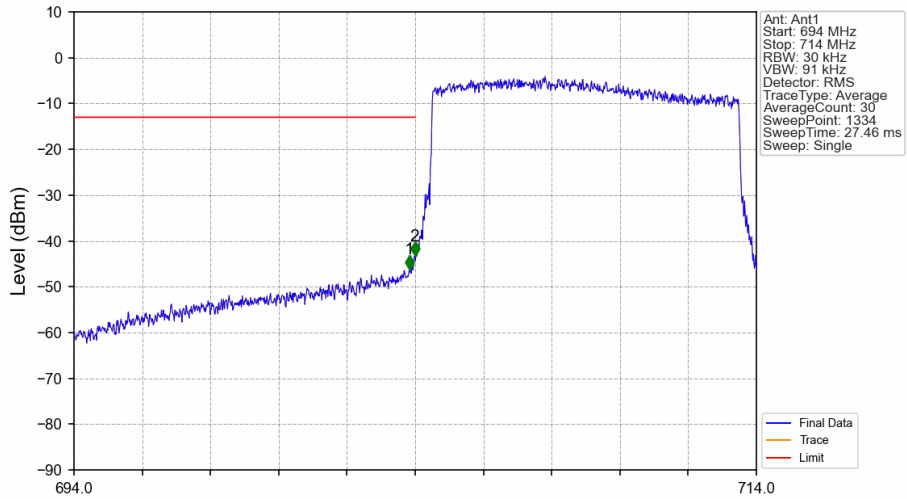


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	703.872	-43.46	-13	Pass
703.9	704	0.03	/	2	703.977	-33.81	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

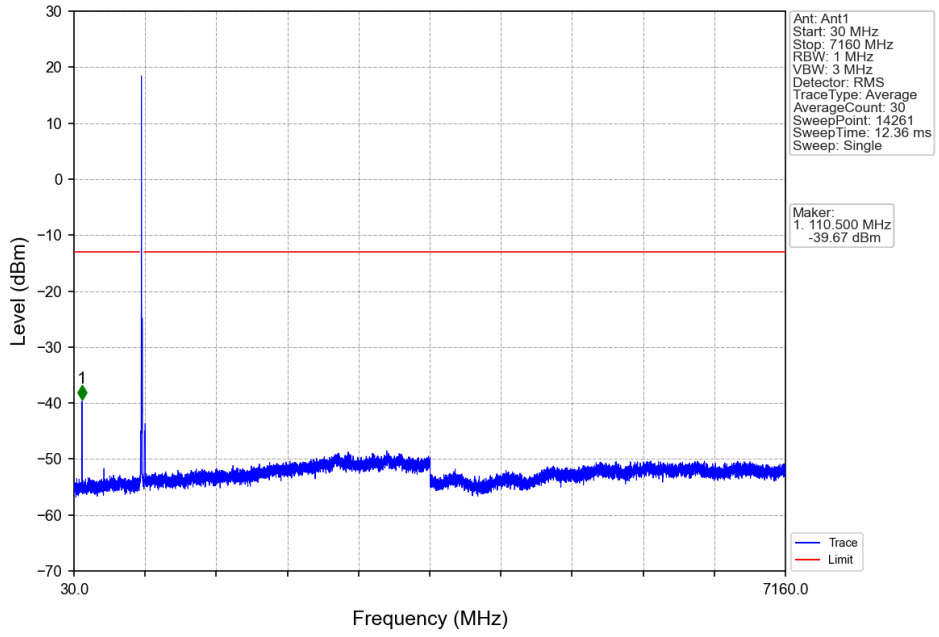


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

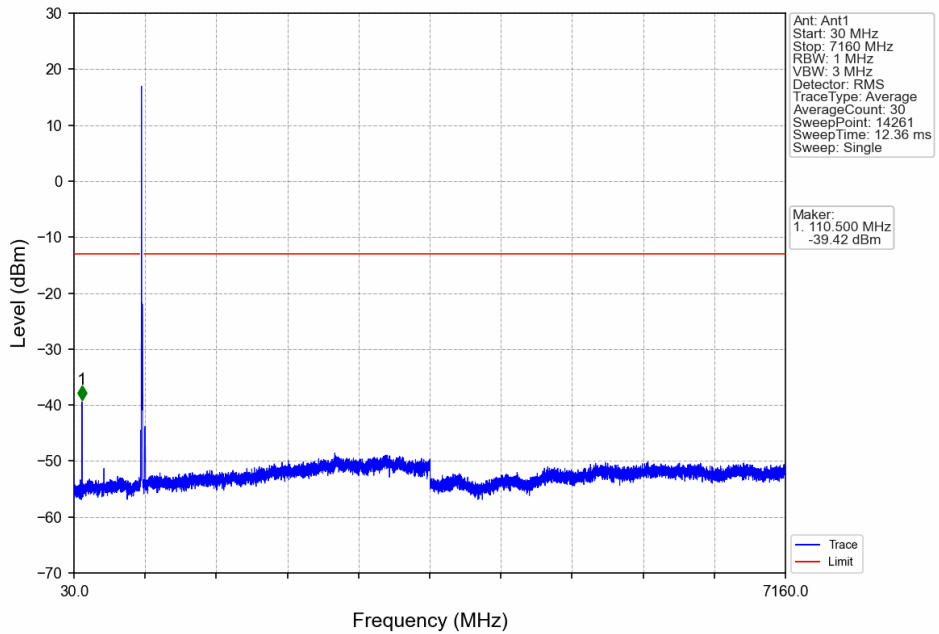


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	703.827	-46.19	-13	Pass
703.9	704	0.03	/	2	703.992	-43.23	-13	Pass
704	714	0.03	/	/	/	/	/	/

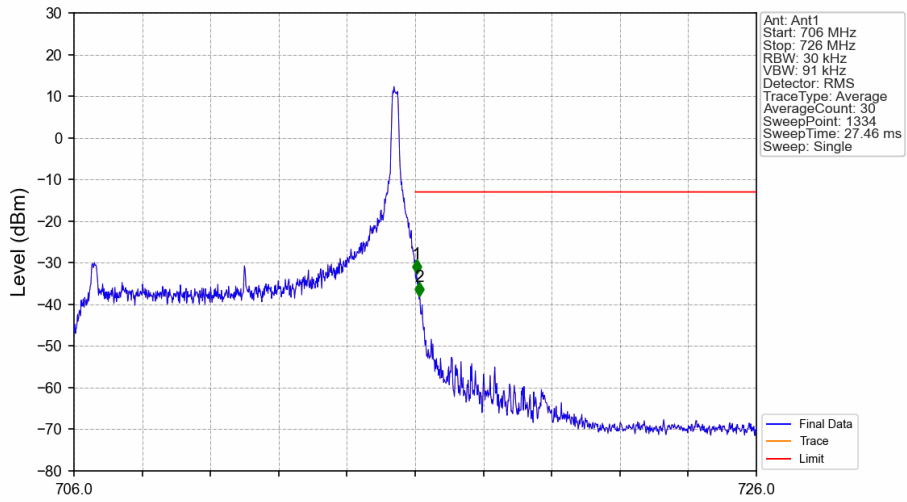
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

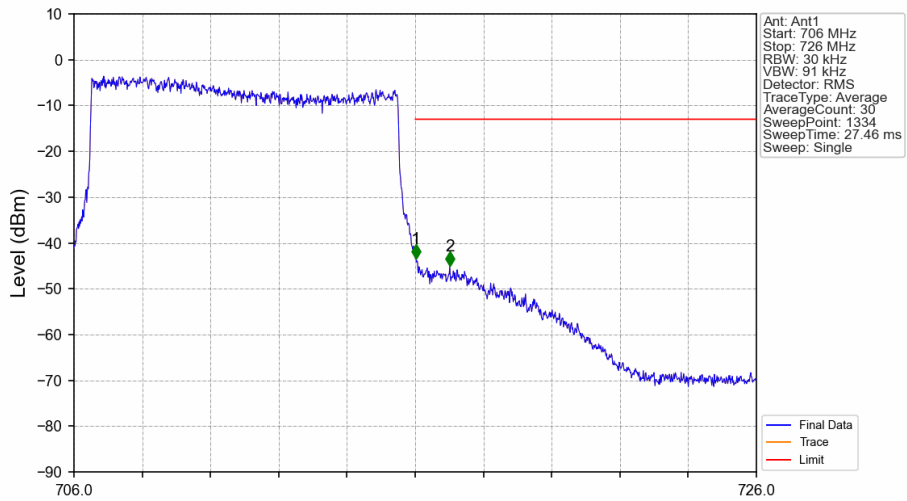


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	716.038	-32.62	-13	Pass
716.1	726	0.1	/	2	716.128	-38.13	-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	716.023	-43.45	-13	Pass
716.1	726	0.1	/	2	717.013	-45.02	-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	0.1986	0.0670	ppm	4M58G7D	27H	22.98
17	5	706.5	713.5	0.1574	0.0510	ppm	4M57W7D	27H	21.97
17	10	709	711	0.1995	0.0369	ppm	9M12G7D	27H	23.00
17	10	709	711	0.1807	0.0552	ppm	9M10W7D	27H	22.57

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	0.0671	0.0670	ppm	4M58G7D	27H	18.27
17	5	706.5	713.5	0.0532	0.0510	ppm	4M57W7D	27H	17.26
17	10	709	711	0.0675	0.0369	ppm	9M12G7D	27H	18.29
17	10	709	711	0.0611	0.0552	ppm	9M10W7D	27H	17.86