

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	22.42	-2.09	18.18	<=34.77	Pass
			13	22.23	-2.09	17.99	<=34.77	Pass
			24	22.81	-2.09	18.57	<=34.77	Pass
		12	0	21.29	-2.09	17.05	<=34.77	Pass
			6	21.28	-2.09	17.04	<=34.77	Pass
			13	22.05	-2.09	17.81	<=34.77	Pass
		25	0	21.20	-2.09	16.96	<=34.77	Pass
	710	1	0	22.93	-2.09	18.69	<=34.77	Pass
			13	22.89	-2.09	18.65	<=34.77	Pass
			24	22.95	-2.09	18.71	<=34.77	Pass
		12	0	21.97	-2.09	17.73	<=34.77	Pass
			6	22.01	-2.09	17.77	<=34.77	Pass
			13	22.00	-2.09	17.76	<=34.77	Pass
		25	0	22.00	-2.09	17.76	<=34.77	Pass
	713.5	1	0	23.03	-2.09	18.79	<=34.77	Pass
			13	22.64	-2.09	18.40	<=34.77	Pass
			24	22.36	-2.09	18.12	<=34.77	Pass
		12	0	21.97	-2.09	17.73	<=34.77	Pass
			6	21.56	-2.09	17.32	<=34.77	Pass
			13	21.53	-2.09	17.29	<=34.77	Pass
		25	0	21.67	-2.09	17.43	<=34.77	Pass
16QAM	706.5	1	0	21.36	-2.09	17.12	<=34.77	Pass
			13	21.26	-2.09	17.02	<=34.77	Pass
			24	21.90	-2.09	17.66	<=34.77	Pass
		12	0	20.20	-2.09	15.96	<=34.77	Pass
			6	20.16	-2.09	15.92	<=34.77	Pass
			13	20.89	-2.09	16.65	<=34.77	Pass
		25	0	20.25	-2.09	16.01	<=34.77	Pass
	710	1	0	21.82	-2.09	17.58	<=34.77	Pass
			13	21.84	-2.09	17.60	<=34.77	Pass
			24	21.89	-2.09	17.65	<=34.77	Pass
		12	0	20.96	-2.09	16.72	<=34.77	Pass
			6	21.04	-2.09	16.80	<=34.77	Pass
			13	21.11	-2.09	16.87	<=34.77	Pass
		25	0	21.00	-2.09	16.76	<=34.77	Pass
	713.5	1	0	21.14	-2.09	16.90	<=34.77	Pass
			13	20.72	-2.09	16.48	<=34.77	Pass
			24	21.15	-2.09	16.91	<=34.77	Pass
		12	0	20.96	-2.09	16.72	<=34.77	Pass
			6	20.29	-2.09	16.05	<=34.77	Pass
			13	20.35	-2.09	16.11	<=34.77	Pass
		25	0	20.47	-2.09	16.23	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B17_10MHz_ERP

Band: 17 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	22.40	-2.09	18.16	<=34.77	Pass
			25	22.88	-2.09	18.64	<=34.77	Pass
			49	22.56	-2.09	18.32	<=34.77	Pass
		25	0	21.32	-2.09	17.08	<=34.77	Pass
			13	21.88	-2.09	17.64	<=34.77	Pass
			25	22.18	-2.09	17.94	<=34.77	Pass
		50	0	21.85	-2.09	17.61	<=34.77	Pass
	710	1	0	22.34	-2.09	18.10	<=34.77	Pass
			25	22.87	-2.09	18.63	<=34.77	Pass
			49	22.49	-2.09	18.25	<=34.77	Pass
		25	0	21.96	-2.09	17.72	<=34.77	Pass
			13	22.02	-2.09	17.78	<=34.77	Pass
			25	21.99	-2.09	17.75	<=34.77	Pass
		50	0	22.06	-2.09	17.82	<=34.77	Pass
	711	1	0	22.36	-2.09	18.12	<=34.77	Pass
			25	22.90	-2.09	18.66	<=34.77	Pass
			49	22.57	-2.09	18.33	<=34.77	Pass
		25	0	22.00	-2.09	17.76	<=34.77	Pass
			13	21.94	-2.09	17.70	<=34.77	Pass
			25	21.66	-2.09	17.42	<=34.77	Pass
		50	0	21.94	-2.09	17.70	<=34.77	Pass
16QAM	709	1	0	21.72	-2.09	17.48	<=34.77	Pass
			25	22.27	-2.09	18.03	<=34.77	Pass
			49	21.90	-2.09	17.66	<=34.77	Pass
		25	0	20.17	-2.09	15.93	<=34.77	Pass
			13	20.92	-2.09	16.68	<=34.77	Pass
			25	21.05	-2.09	16.81	<=34.77	Pass
		50	0	20.98	-2.09	16.74	<=34.77	Pass
	710	1	0	21.09	-2.09	16.85	<=34.77	Pass
			25	21.57	-2.09	17.33	<=34.77	Pass
			49	21.19	-2.09	16.95	<=34.77	Pass
		25	0	21.12	-2.09	16.88	<=34.77	Pass
			13	21.10	-2.09	16.86	<=34.77	Pass
			25	21.11	-2.09	16.87	<=34.77	Pass
		50	0	20.98	-2.09	16.74	<=34.77	Pass
	711	1	0	21.54	-2.09	17.30	<=34.77	Pass
			25	22.09	-2.09	17.85	<=34.77	Pass
			49	22.72	-2.09	18.48	<=34.77	Pass
		25	0	20.94	-2.09	16.70	<=34.77	Pass
			13	21.05	-2.09	16.81	<=34.77	Pass
			25	20.40	-2.09	16.16	<=34.77	Pass
		50	0	20.99	-2.09	16.75	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	21.043	0.0298	-2.5 to 2.5	Pass
					3.85	-8.039	-0.0114	-2.5 to 2.5	Pass
					4.43	-24.076	-0.0341	-2.5 to 2.5	Pass
				-30	3.85	-34.919	-0.0494	-2.5 to 2.5	Pass
				-20	3.85	-35.534	-0.0503	-2.5 to 2.5	Pass
				-10	3.85	-35.892	-0.0508	-2.5 to 2.5	Pass
				0	3.85	-31.428	-0.0445	-2.5 to 2.5	Pass
				10	3.85	-32.058	-0.0454	-2.5 to 2.5	Pass
				30	3.85	-26.908	-0.0381	-2.5 to 2.5	Pass
				40	3.85	-24.605	-0.0348	-2.5 to 2.5	Pass
				50	3.85	-22.573	-0.0320	-2.5 to 2.5	Pass
	710	25	0	20	3.27	31.686	0.0446	-2.5 to 2.5	Pass
					3.85	4.392	0.0062	-2.5 to 2.5	Pass
					4.43	-20.270	-0.0285	-2.5 to 2.5	Pass
				-30	3.85	-34.246	-0.0482	-2.5 to 2.5	Pass
				-20	3.85	-45.090	-0.0635	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-11.787	-0.0166	-2.5 to 2.5	Pass
				10	3.85	-15.292	-0.0215	-2.5 to 2.5	Pass
				30	3.85	-16.236	-0.0229	-2.5 to 2.5	Pass
				40	3.85	-18.425	-0.0260	-2.5 to 2.5	Pass
				50	3.85	-21.901	-0.0308	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	36.592	0.0513	-2.5 to 2.5	Pass
					3.85	21.472	0.0301	-2.5 to 2.5	Pass
					4.43	6.223	0.0087	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-8.097	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-12.202	-0.0171	-2.5 to 2.5	Pass
				0	3.85	-15.092	-0.0212	-2.5 to 2.5	Pass
				10	3.85	-17.738	-0.0249	-2.5 to 2.5	Pass
				30	3.85	-19.584	-0.0274	-2.5 to 2.5	Pass
				40	3.85	-20.599	-0.0289	-2.5 to 2.5	Pass
				50	3.85	-20.843	-0.0292	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-20.657	-0.0292	-2.5 to 2.5	Pass
					3.85	-4.520	-0.0064	-2.5 to 2.5	Pass
					4.43	5.264	0.0075	-2.5 to 2.5	Pass
				-30	3.85	12.903	0.0183	-2.5 to 2.5	Pass
				-20	3.85	26.107	0.0370	-2.5 to 2.5	Pass
				-10	3.85	30.313	0.0429	-2.5 to 2.5	Pass
				0	3.85	35.877	0.0508	-2.5 to 2.5	Pass
				10	3.85	40.655	0.0575	-2.5 to 2.5	Pass
				30	3.85	44.804	0.0634	-2.5 to 2.5	Pass
				40	3.85	47.951	0.0679	-2.5 to 2.5	Pass
				50	3.85	3.347	0.0047	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-22.402	-0.0316	-2.5 to 2.5	Pass
					3.85	-9.327	-0.0131	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	3.161	0.0045	-2.5 to 2.5	Pass
				-20	3.85	8.197	0.0115	-2.5 to 2.5	Pass

				-10	3.85	11.072	0.0156	-2.5 to 2.5	Pass
				0	3.85	14.720	0.0207	-2.5 to 2.5	Pass
				10	3.85	18.082	0.0255	-2.5 to 2.5	Pass
				30	3.85	20.270	0.0285	-2.5 to 2.5	Pass
				40	3.85	21.000	0.0296	-2.5 to 2.5	Pass
				50	3.85	22.488	0.0317	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-18.697	-0.0262	-2.5 to 2.5	Pass
					3.85	-8.969	-0.0126	-2.5 to 2.5	Pass
					4.43	2.346	0.0033	-2.5 to 2.5	Pass
				-30	3.85	9.427	0.0132	-2.5 to 2.5	Pass
				-20	3.85	14.663	0.0206	-2.5 to 2.5	Pass
				-10	3.85	17.495	0.0245	-2.5 to 2.5	Pass
				0	3.85	20.757	0.0291	-2.5 to 2.5	Pass
				10	3.85	22.888	0.0321	-2.5 to 2.5	Pass
				30	3.85	25.921	0.0363	-2.5 to 2.5	Pass
				40	3.85	28.138	0.0394	-2.5 to 2.5	Pass
				50	3.85	31.729	0.0445	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	9.370	0.0132	-2.5 to 2.5	Pass
					3.85	-21.873	-0.0309	-2.5 to 2.5	Pass
					4.43	-6.938	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-26.078	-0.0368	-2.5 to 2.5	Pass
				-20	3.85	-39.167	-0.0552	-2.5 to 2.5	Pass
				-10	3.85	-45.948	-0.0648	-2.5 to 2.5	Pass
				0	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-9.341	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-11.759	-0.0166	-2.5 to 2.5	Pass
				50	3.85	-12.846	-0.0181	-2.5 to 2.5	Pass
	710	50	0	20	3.27	29.912	0.0421	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0076	-2.5 to 2.5	Pass
					4.43	-24.161	-0.0340	-2.5 to 2.5	Pass
				-30	3.85	-34.504	-0.0486	-2.5 to 2.5	Pass
				-20	3.85	-40.841	-0.0575	-2.5 to 2.5	Pass
				-10	3.85	-44.088	-0.0621	-2.5 to 2.5	Pass
				0	3.85	-46.563	-0.0656	-2.5 to 2.5	Pass
				10	3.85	4.420	0.0062	-2.5 to 2.5	Pass
				30	3.85	3.119	0.0044	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
	711	50	0	20	3.27	38.896	0.0547	-2.5 to 2.5	Pass
					3.85	-13.118	-0.0185	-2.5 to 2.5	Pass
					4.43	-35.176	-0.0495	-2.5 to 2.5	Pass
				-30	3.85	-40.870	-0.0575	-2.5 to 2.5	Pass
				-20	3.85	-45.533	-0.0640	-2.5 to 2.5	Pass
				-10	3.85	-47.135	-0.0663	-2.5 to 2.5	Pass
				0	3.85	-10.471	-0.0147	-2.5 to 2.5	Pass
				10	3.85	-13.347	-0.0188	-2.5 to 2.5	Pass
				30	3.85	-14.734	-0.0207	-2.5 to 2.5	Pass
				40	3.85	-16.193	-0.0228	-2.5 to 2.5	Pass
				50	3.85	-15.450	-0.0217	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-10.028	-0.0141	-2.5 to 2.5	Pass
					3.85	4.334	0.0061	-2.5 to 2.5	Pass

					4.43	13.146	0.0185	-2.5 to 2.5	Pass
				-30	3.85	19.712	0.0278	-2.5 to 2.5	Pass
				-20	3.85	22.459	0.0317	-2.5 to 2.5	Pass
				-10	3.85	25.120	0.0354	-2.5 to 2.5	Pass
				0	3.85	30.813	0.0435	-2.5 to 2.5	Pass
				10	3.85	33.131	0.0467	-2.5 to 2.5	Pass
				30	3.85	36.607	0.0516	-2.5 to 2.5	Pass
				40	3.85	38.424	0.0542	-2.5 to 2.5	Pass
				50	3.85	40.555	0.0572	-2.5 to 2.5	Pass
	710	50	0	20	3.27	5.636	0.0079	-2.5 to 2.5	Pass
					3.85	18.854	0.0266	-2.5 to 2.5	Pass
					4.43	27.022	0.0381	-2.5 to 2.5	Pass
				-30	3.85	32.644	0.0460	-2.5 to 2.5	Pass
				-20	3.85	37.036	0.0522	-2.5 to 2.5	Pass
				-10	3.85	38.509	0.0542	-2.5 to 2.5	Pass
				0	3.85	42.071	0.0593	-2.5 to 2.5	Pass
				10	3.85	43.859	0.0618	-2.5 to 2.5	Pass
				30	3.85	44.346	0.0625	-2.5 to 2.5	Pass
				40	3.85	45.648	0.0643	-2.5 to 2.5	Pass
				50	3.85	45.962	0.0647	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-13.847	-0.0195	-2.5 to 2.5	Pass
					3.85	3.247	0.0046	-2.5 to 2.5	Pass
					4.43	12.031	0.0169	-2.5 to 2.5	Pass
				-30	3.85	17.896	0.0252	-2.5 to 2.5	Pass
				-20	3.85	21.114	0.0297	-2.5 to 2.5	Pass
				-10	3.85	24.018	0.0338	-2.5 to 2.5	Pass
				0	3.85	26.150	0.0368	-2.5 to 2.5	Pass
				10	3.85	26.994	0.0380	-2.5 to 2.5	Pass
				30	3.85	28.954	0.0407	-2.5 to 2.5	Pass
				40	3.85	31.857	0.0448	-2.5 to 2.5	Pass
				50	3.85	34.404	0.0484	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

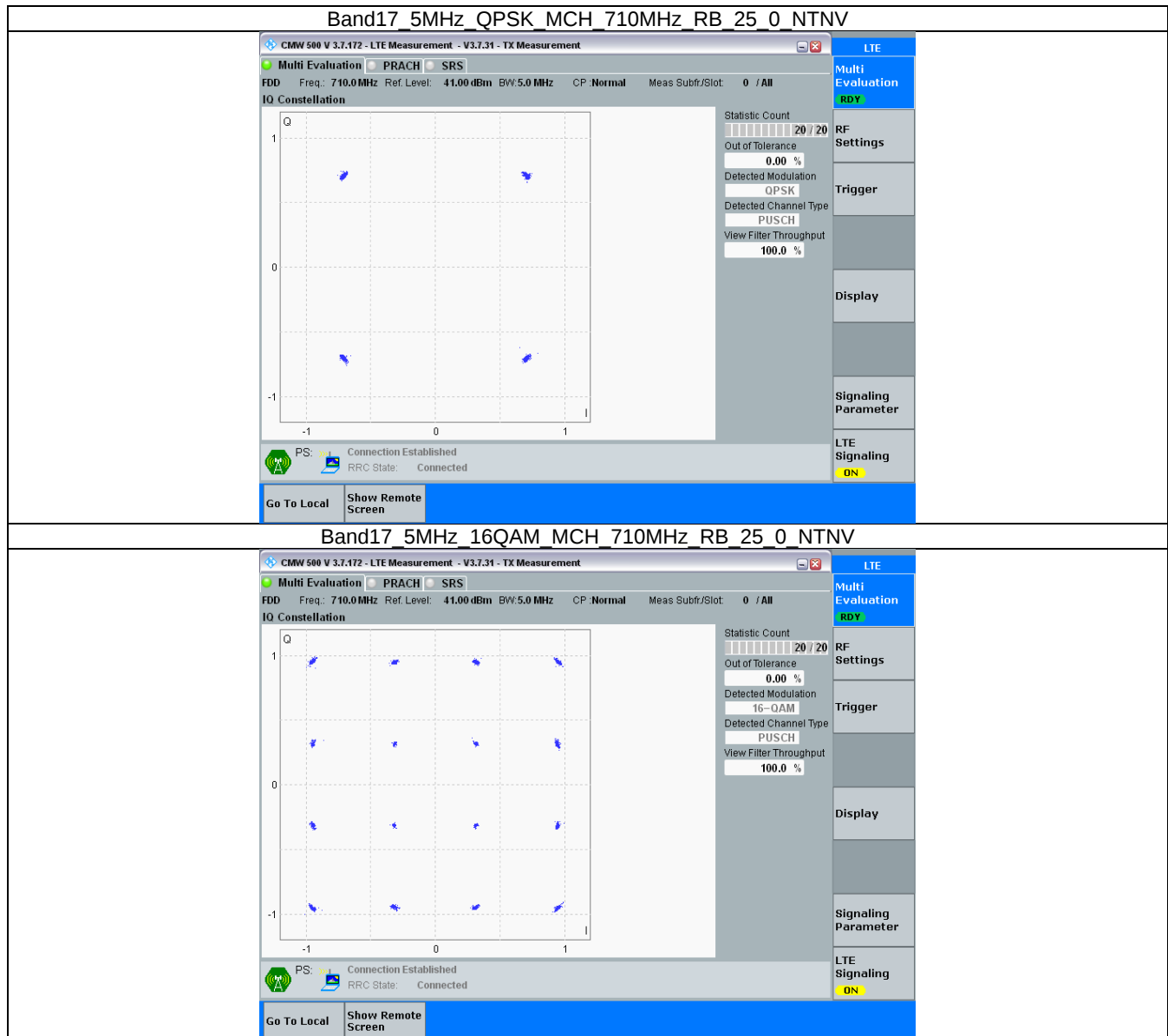
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

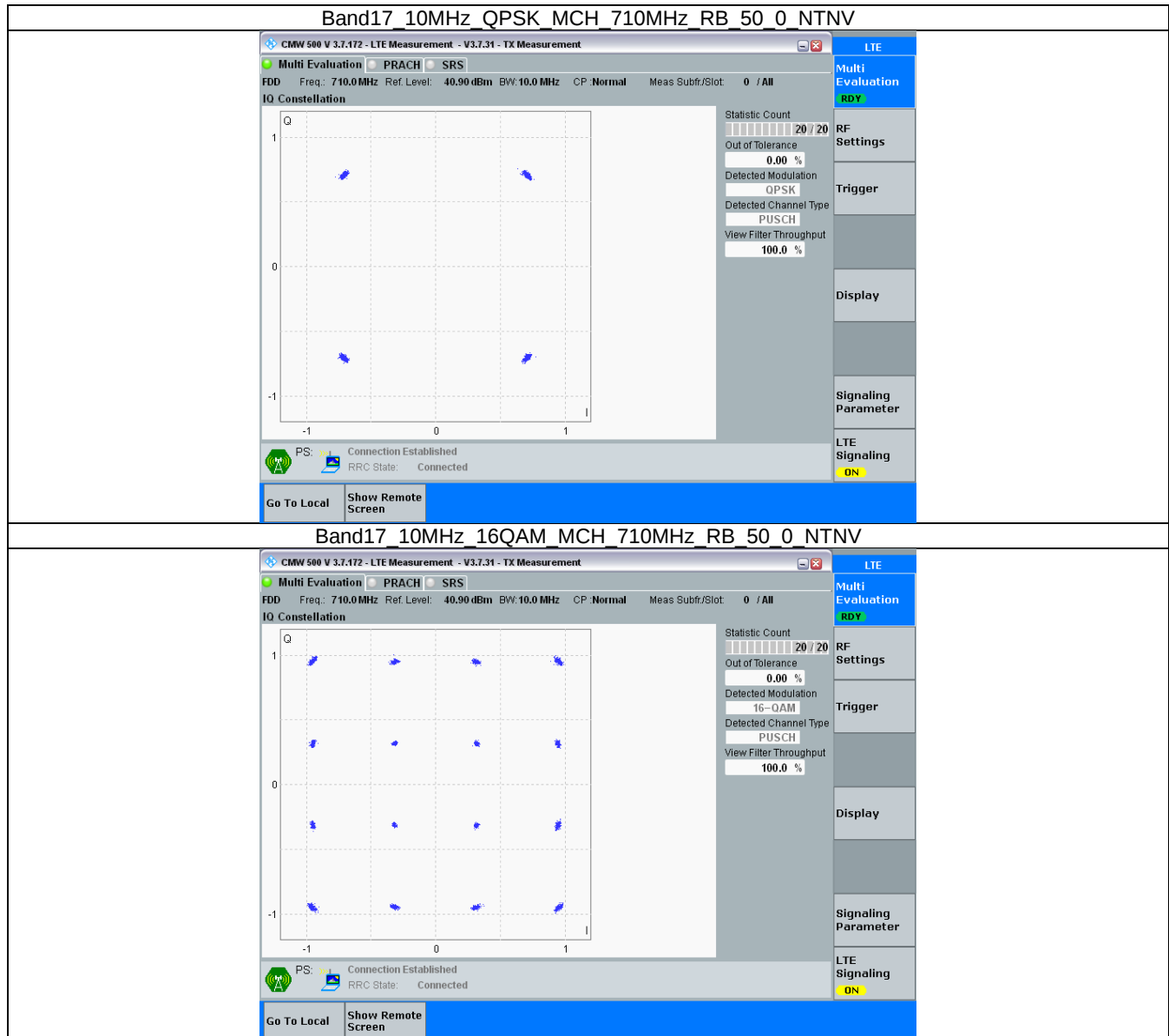
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B17_5MHz



3.2.2 B17_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

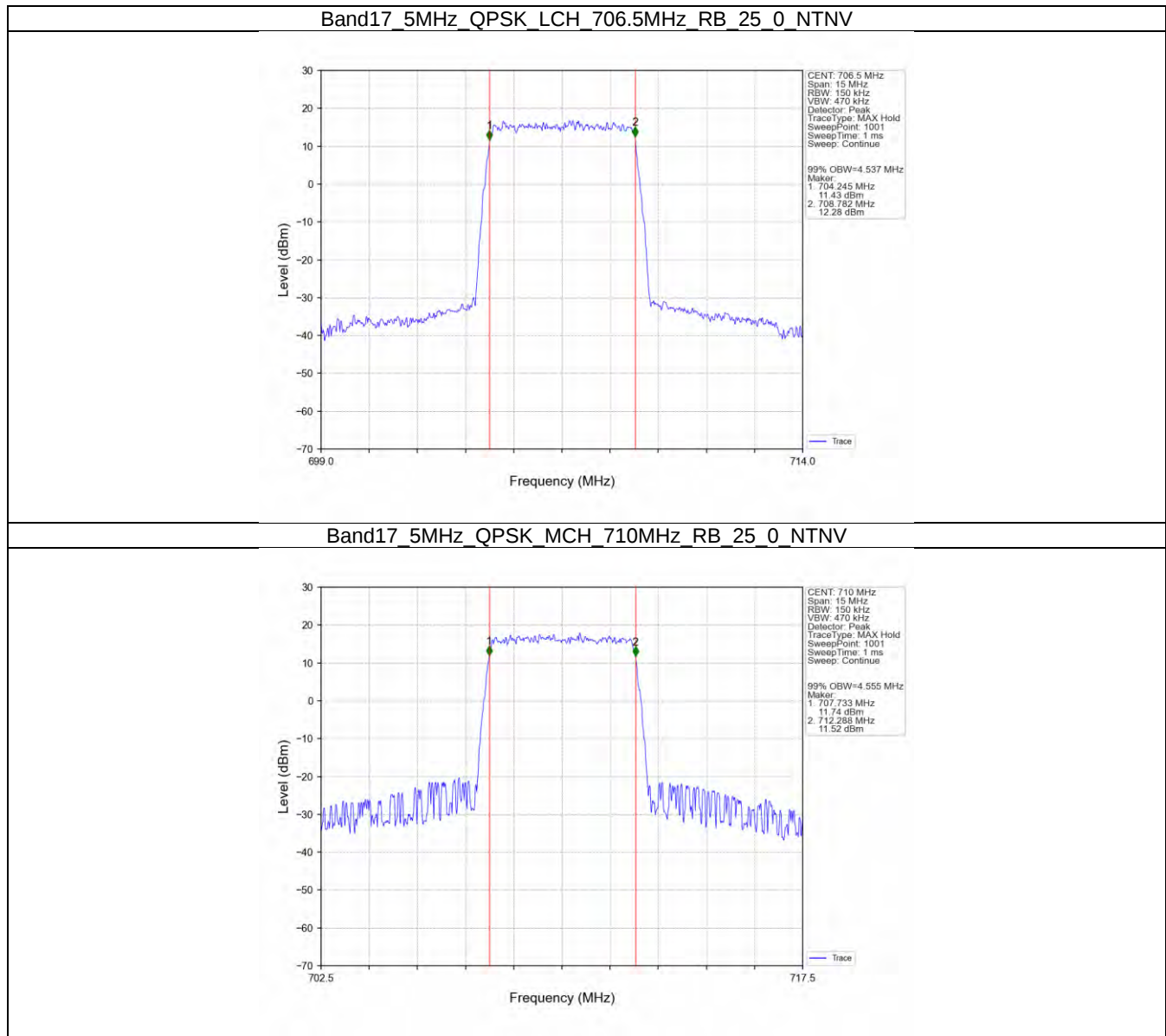
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.537	/	Pass
		710	25	0	4.555	/	Pass
		713.5	25	0	4.563	/	Pass
	16QAM	706.5	25	0	4.560	/	Pass
		710	25	0	4.576	/	Pass
		713.5	25	0	4.557	/	Pass
10	QPSK	709	50	0	9.056	/	Pass
		710	50	0	9.104	/	Pass
		711	50	0	9.055	/	Pass
	16QAM	709	50	0	9.041	/	Pass
		710	50	0	9.070	/	Pass
		711	50	0	9.037	/	Pass

4.1.2 Band17_XDB

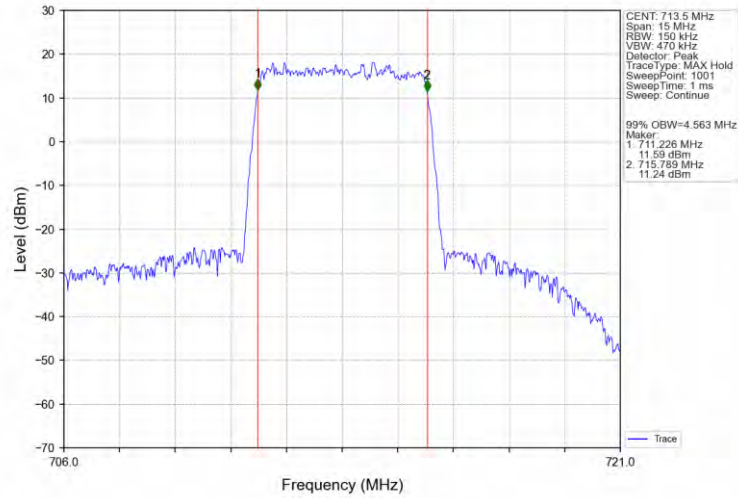
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.045	/	Pass
		710	25	0	5.069	/	Pass
		713.5	25	0	5.044	/	Pass
	16QAM	706.5	25	0	5.060	/	Pass
		710	25	0	5.070	/	Pass
		713.5	25	0	5.073	/	Pass
10	QPSK	709	50	0	10.000	/	Pass
		710	50	0	10.037	/	Pass
		711	50	0	10.043	/	Pass
	16QAM	709	50	0	10.024	/	Pass
		710	50	0	10.074	/	Pass
		711	50	0	10.050	/	Pass

4.2 Test Graph

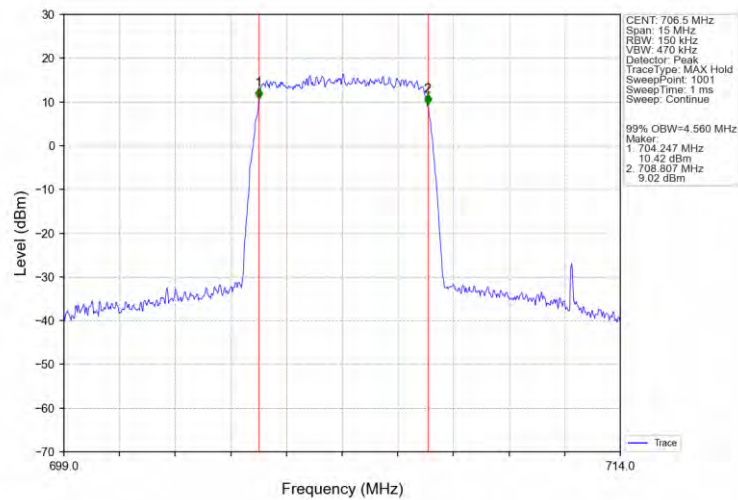
4.2.1 Band17_OBW



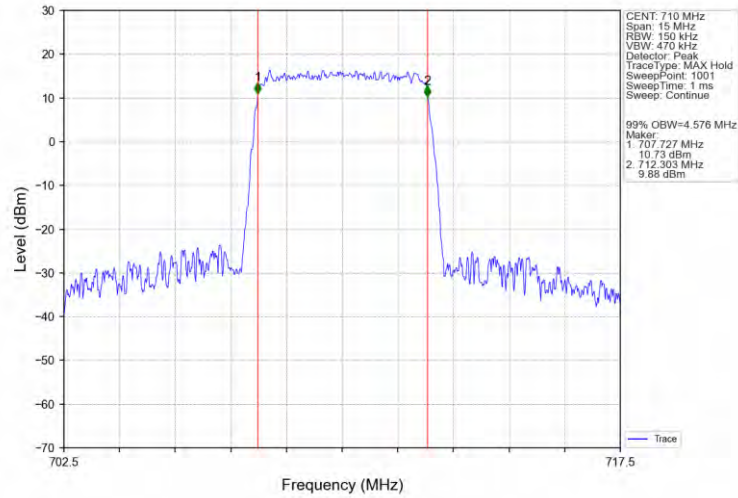
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



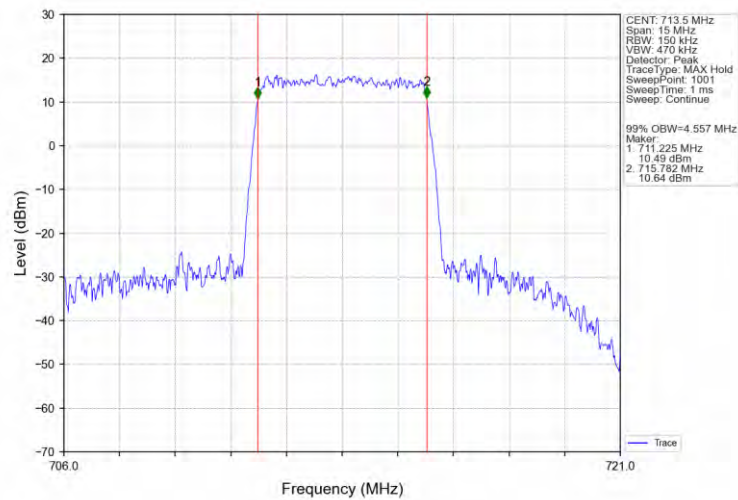
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



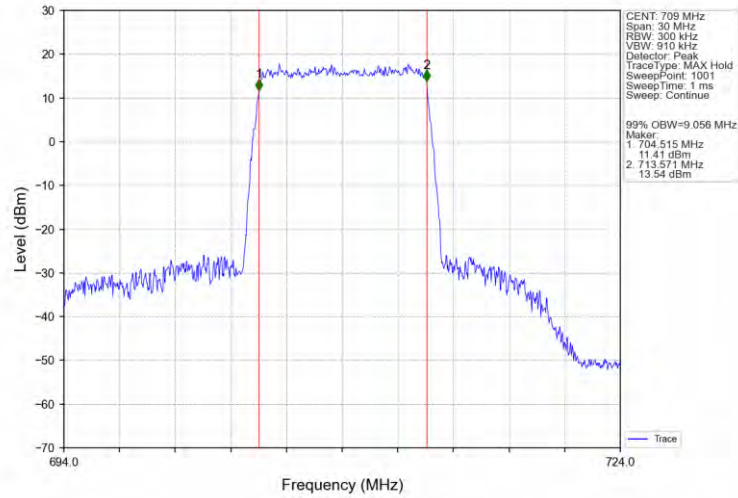
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



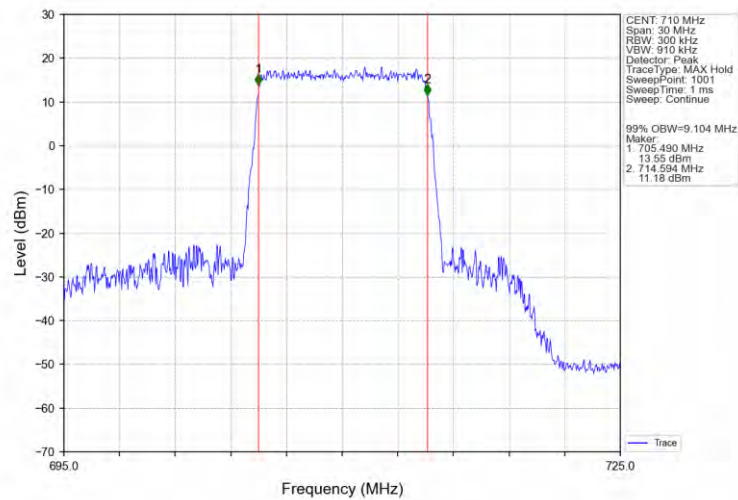
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



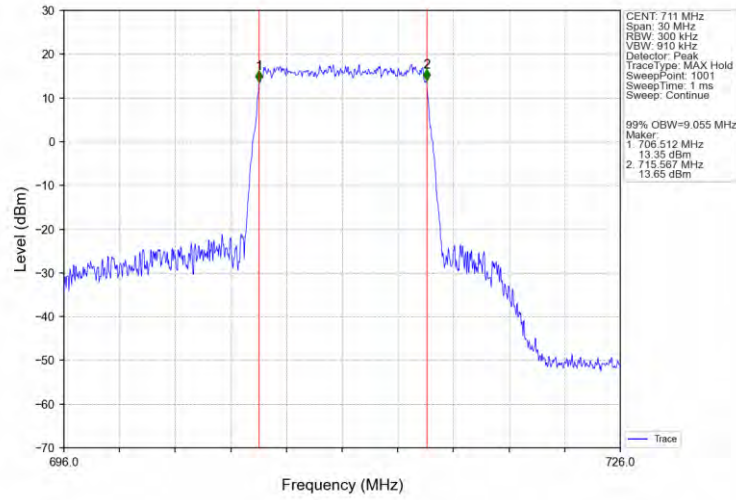
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



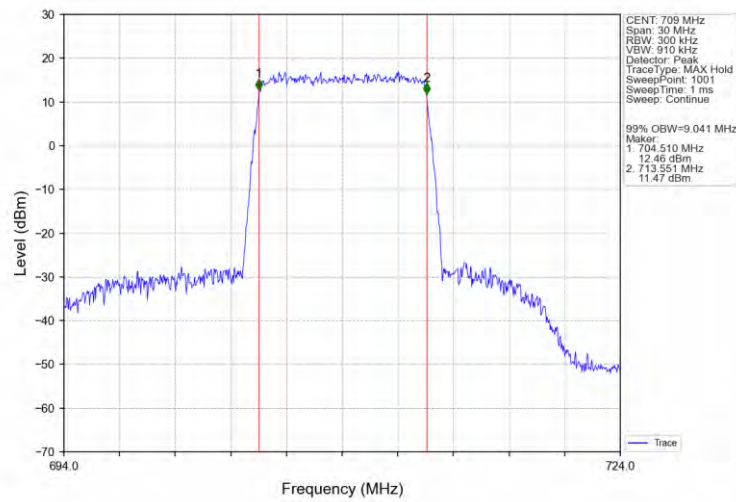
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



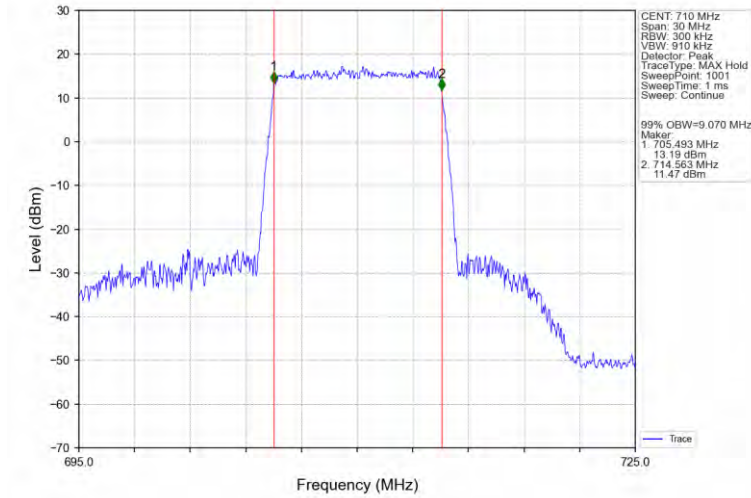
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



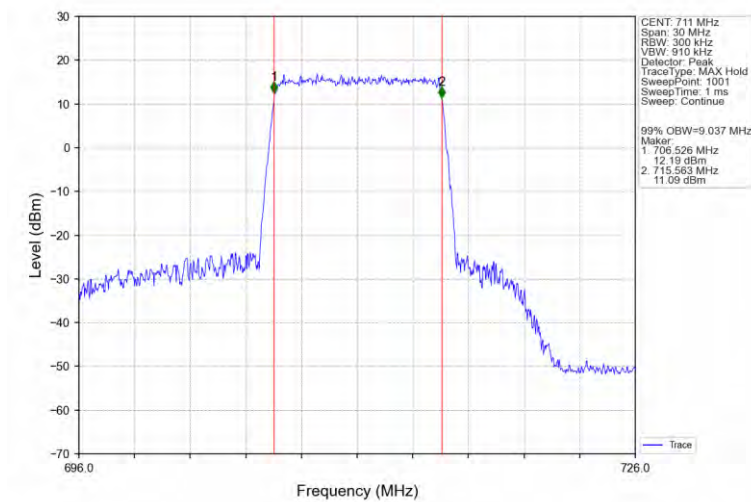
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

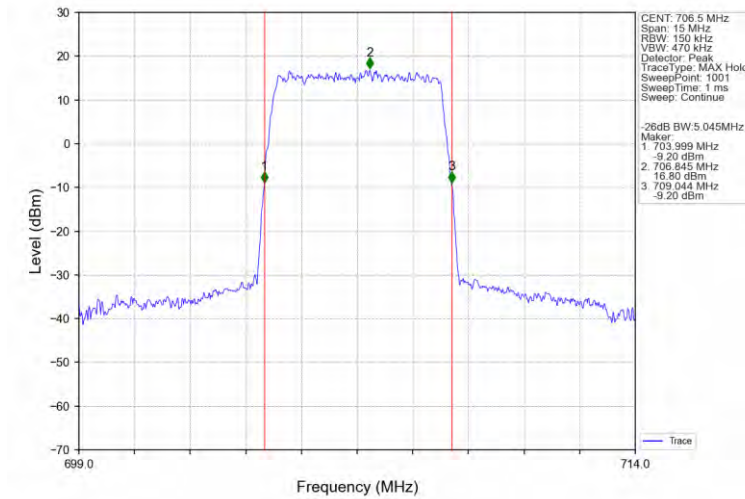


Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

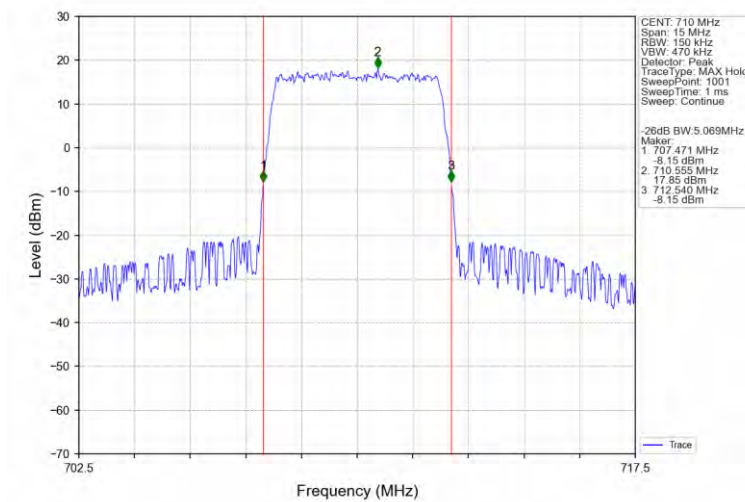


4.2.2 Band17_XDB

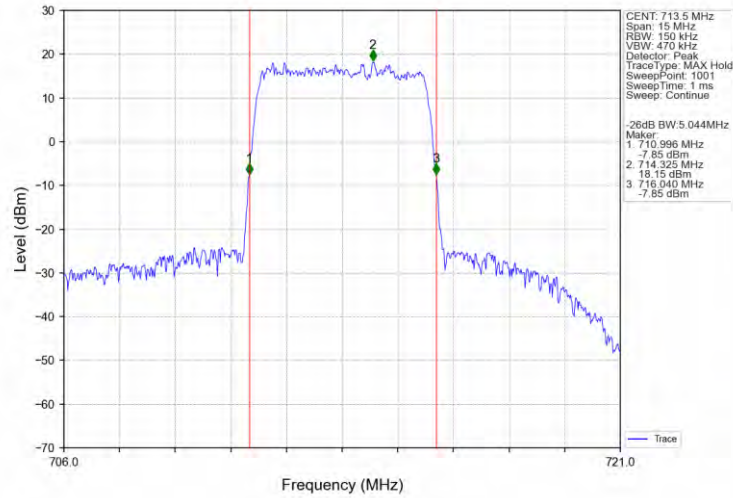
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



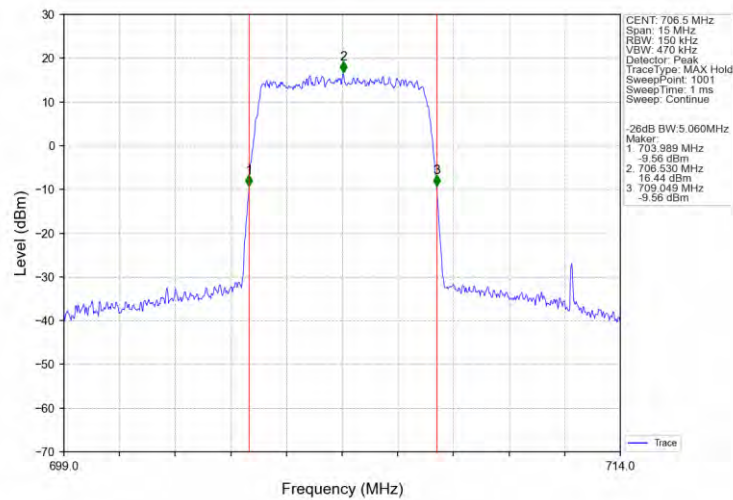
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



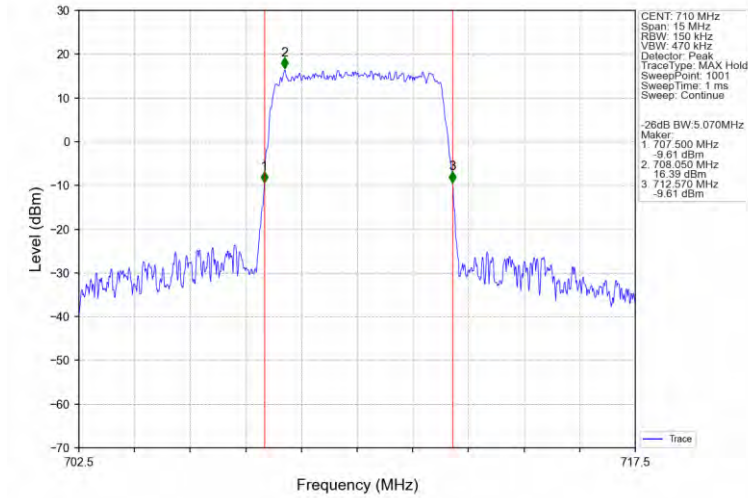
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



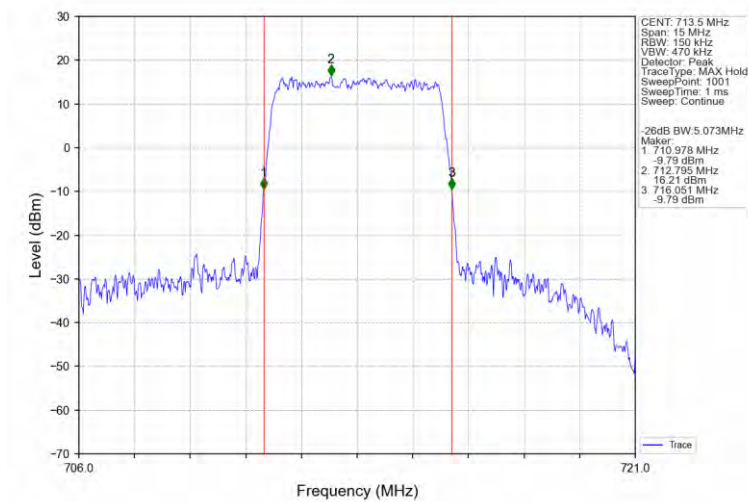
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



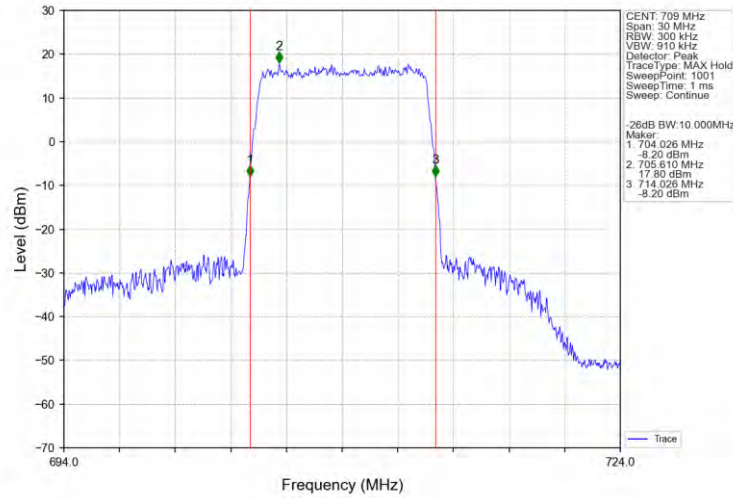
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



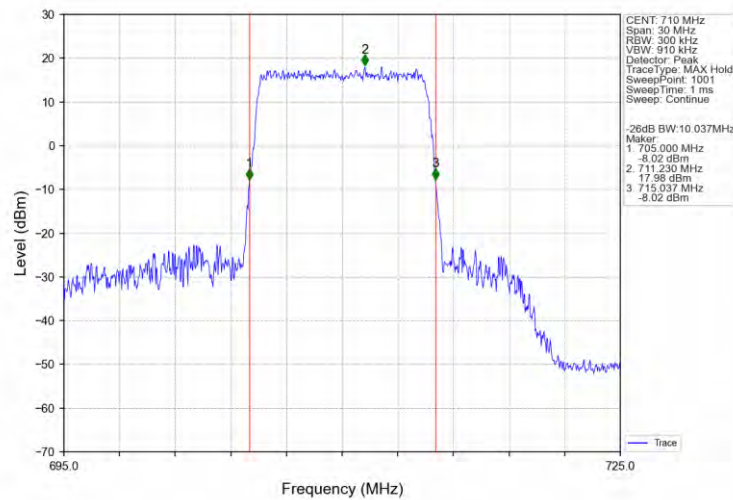
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



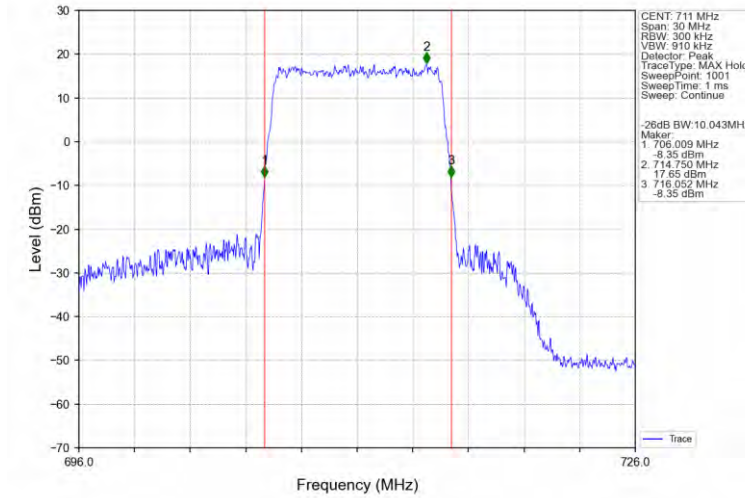
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



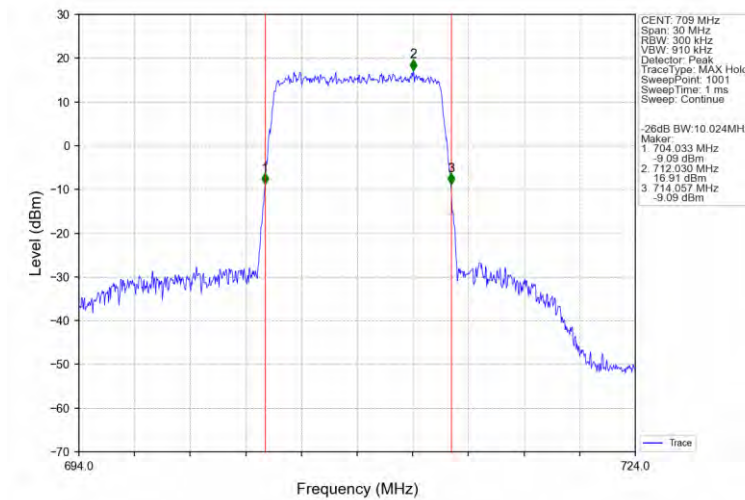
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



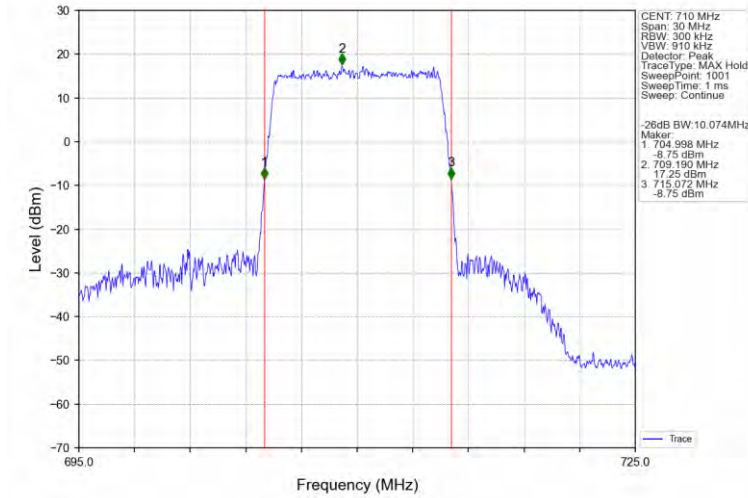
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



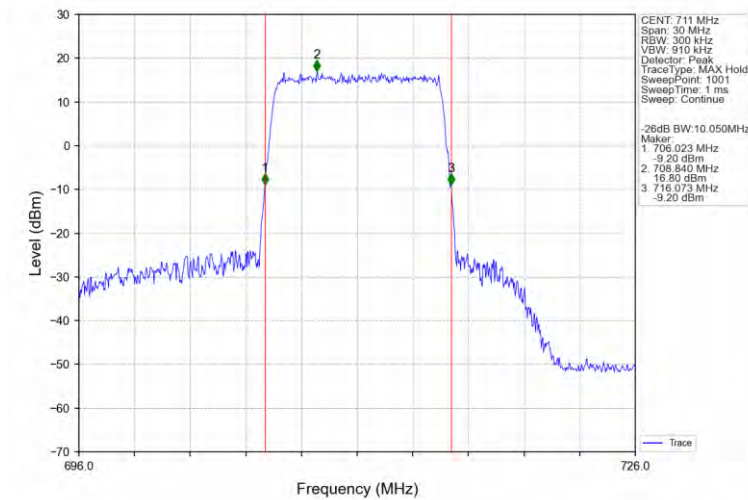
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B17_5MHz

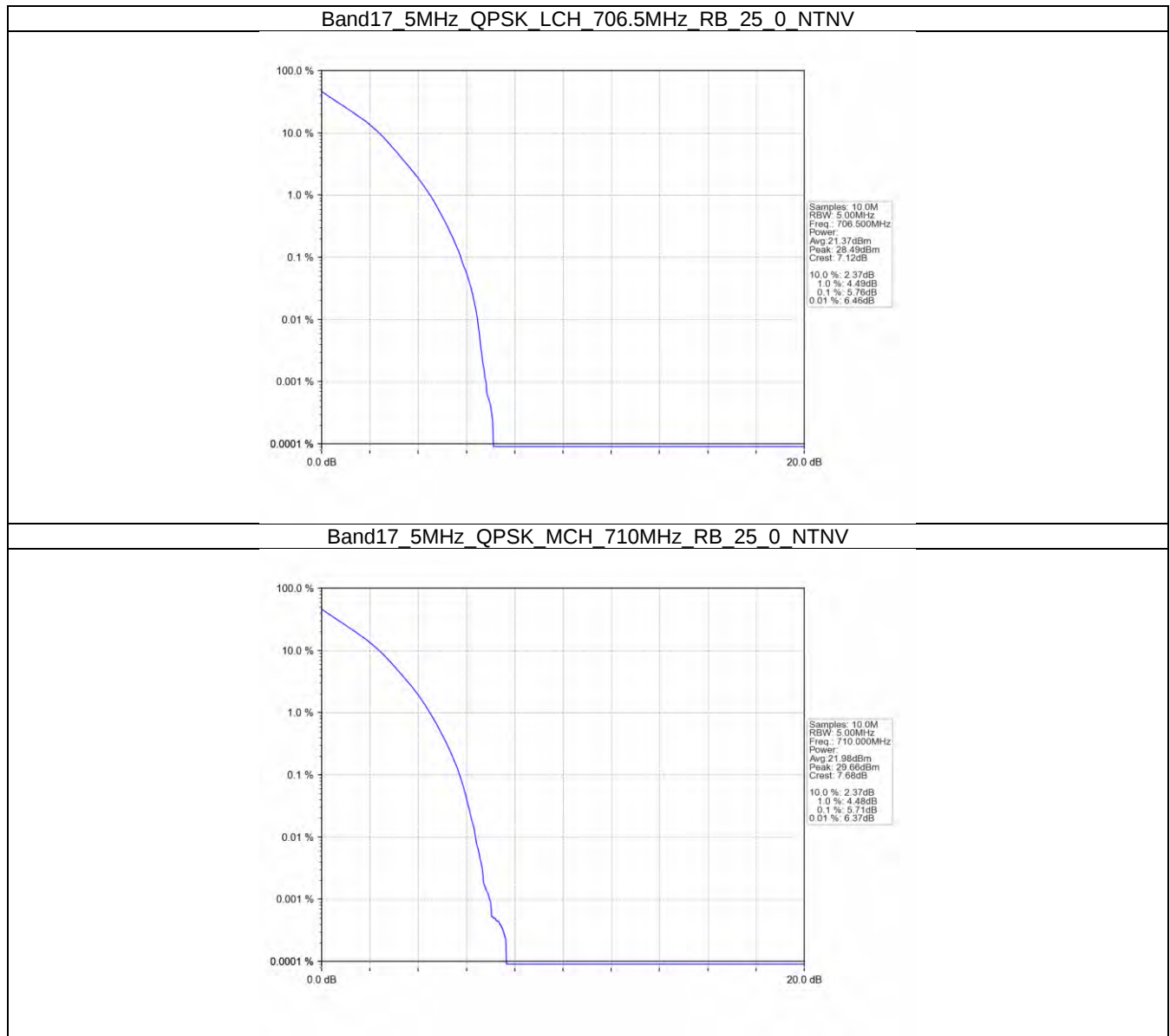
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.76	≤ 13	Pass
	710	25	0	5.71	≤ 13	Pass
	713.5	25	0	5.68	≤ 13	Pass
16QAM	706.5	25	0	6.51	≤ 13	Pass
	710	25	0	6.44	≤ 13	Pass
	713.5	25	0	6.42	≤ 13	Pass

5.1.2 B17_10MHz

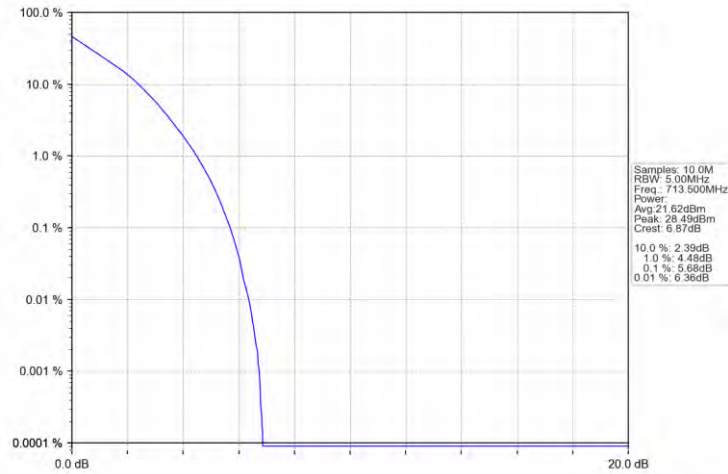
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.74	≤ 13	Pass
	710	50	0	5.67	≤ 13	Pass
	711	50	0	5.64	≤ 13	Pass
16QAM	709	50	0	6.44	≤ 13	Pass
	710	50	0	6.43	≤ 13	Pass
	711	50	0	6.44	≤ 13	Pass

5.2 Test Graph

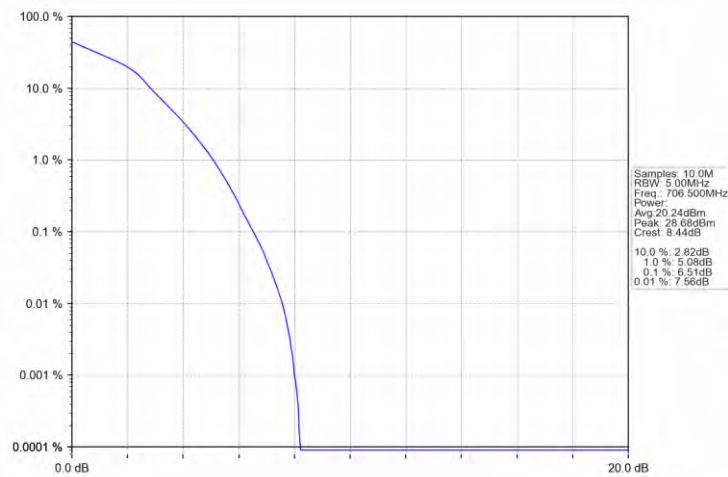
5.2.1 B17_5MHz



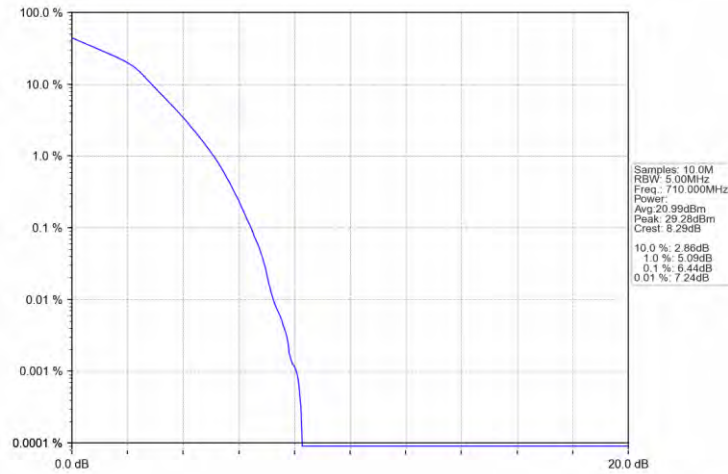
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



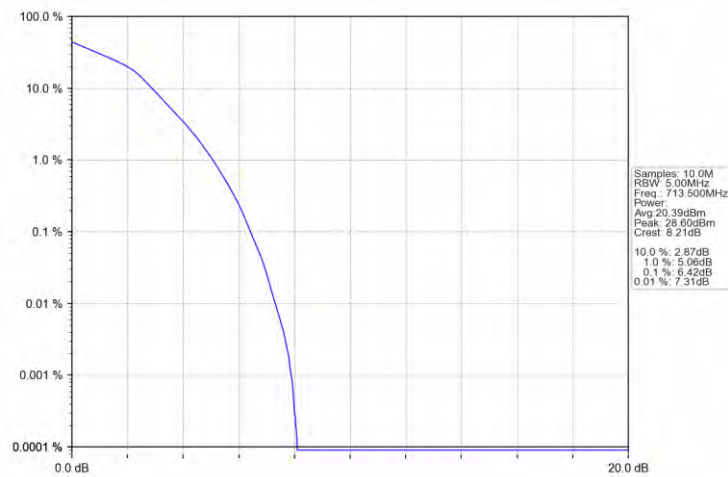
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

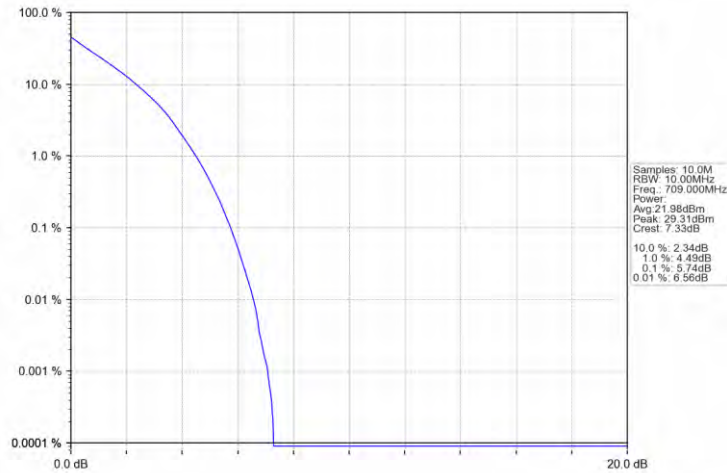


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

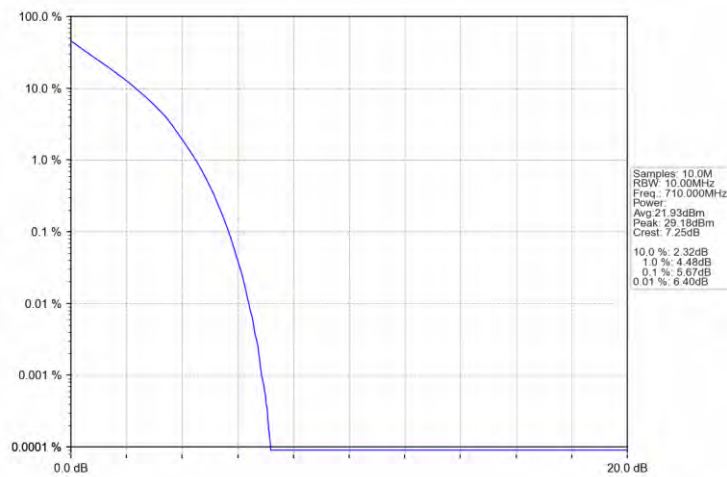


5.2.2 B17_10MHz

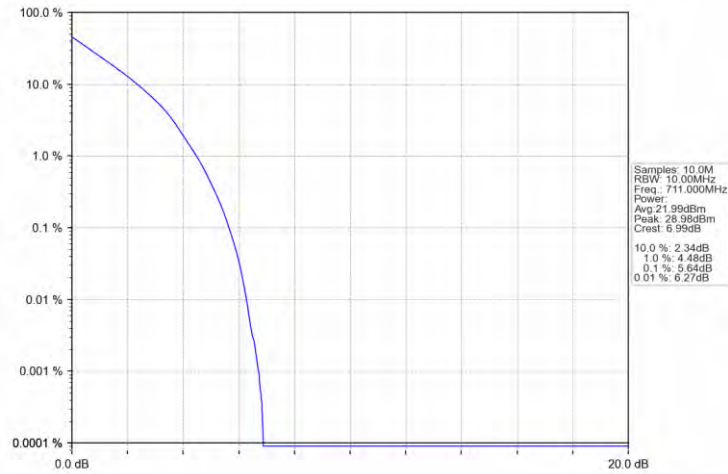
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



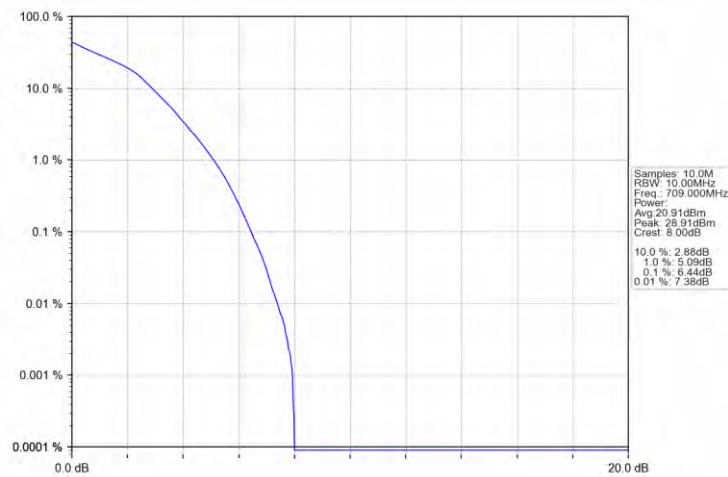
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



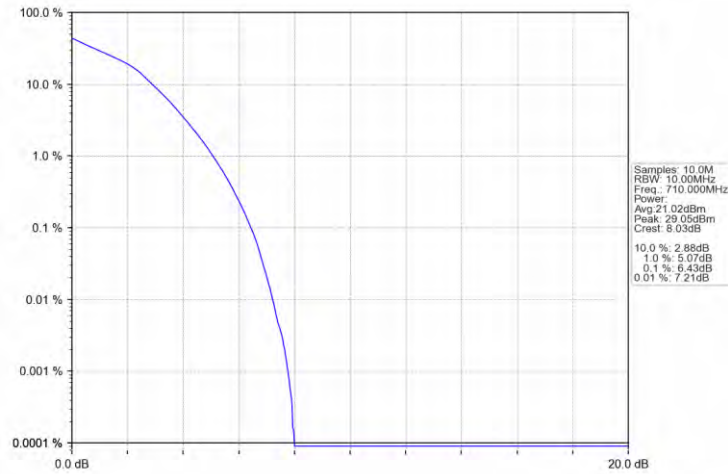
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



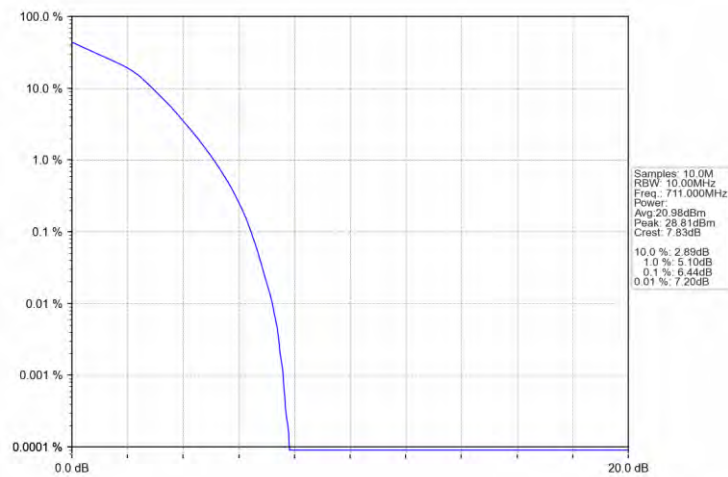
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B17_5MHz

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		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

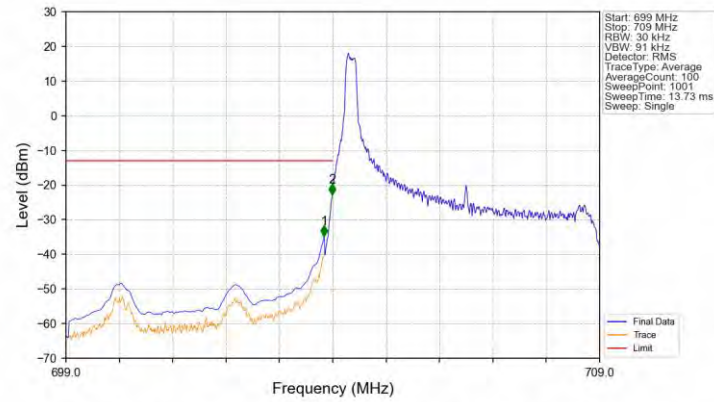
6.1.2 B17_10MHz

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

6.2 Test Graph

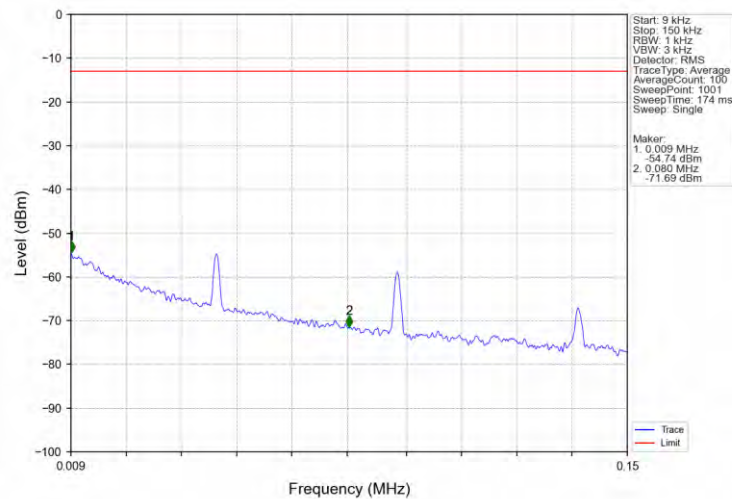
6.2.1 B17_5MHz

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

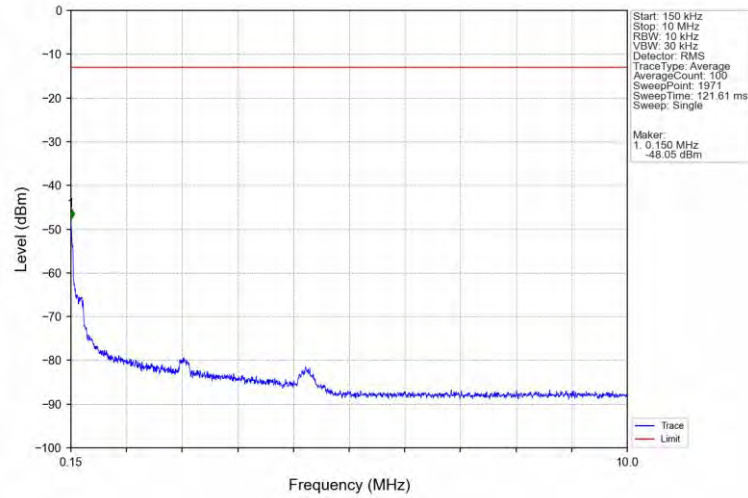


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-34.71	-13	Pass
703.9	704	0.03	/	2	703.990	-22.78	-13	Pass
704	709	0.03	/	/	/	/	/	/

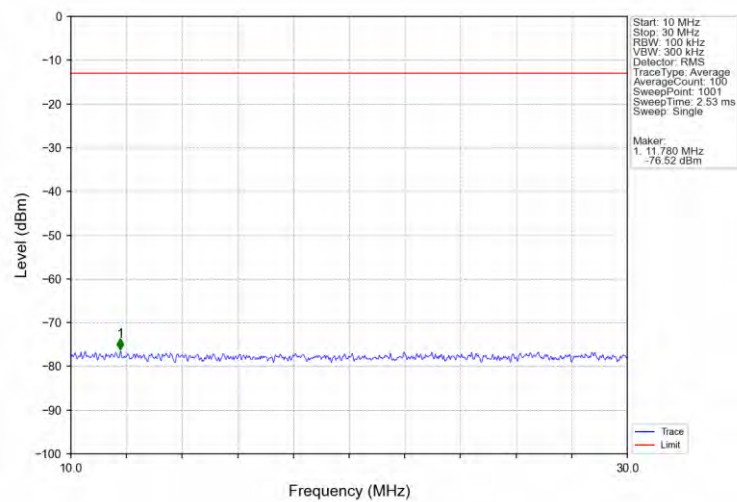
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



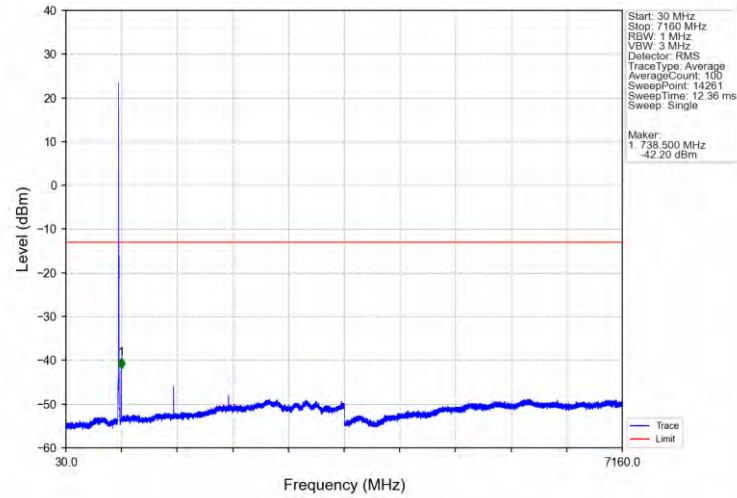
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



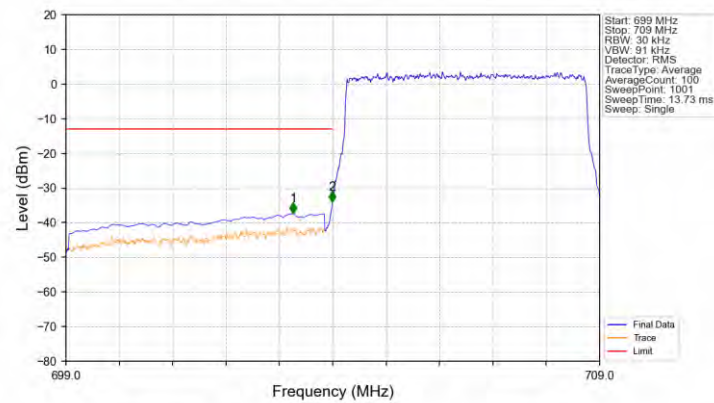
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

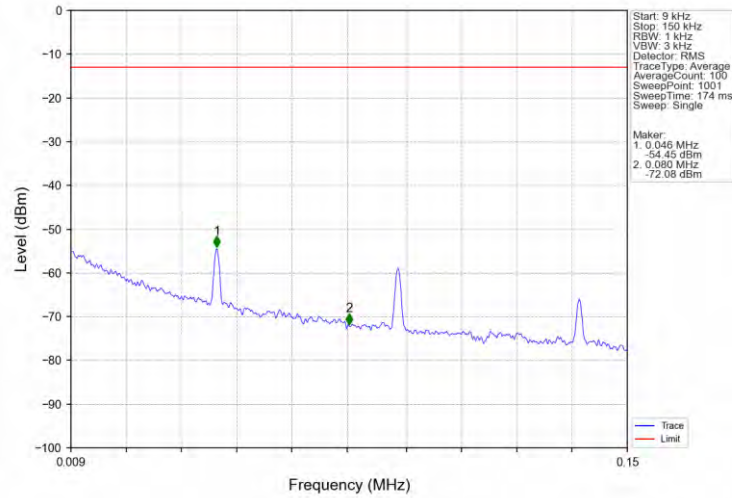


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

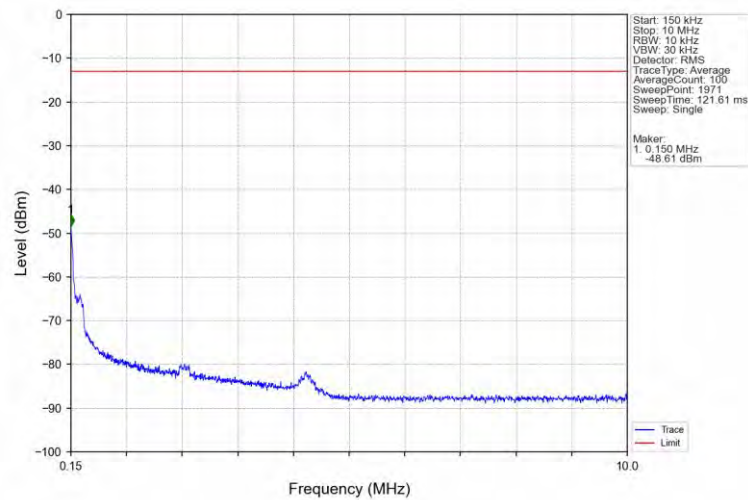


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.260	-37.34	-13	Pass
703.9	704	0.03	/	2	703.990	-33.97	-13	Pass
704	709	0.03	/	/	/	/	/	/

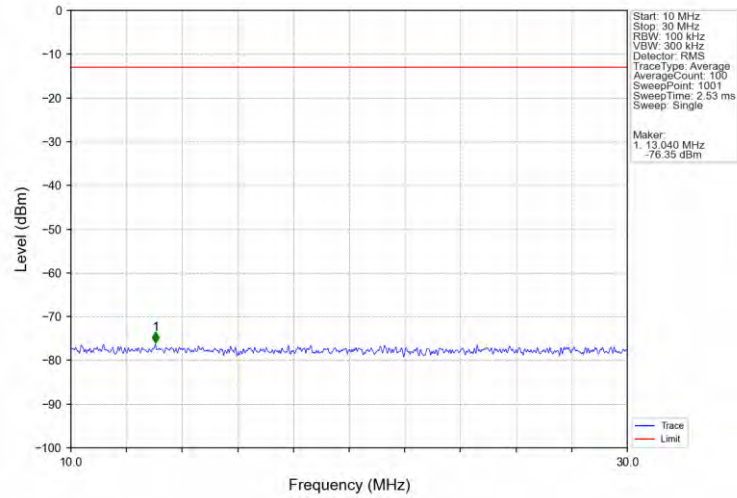
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



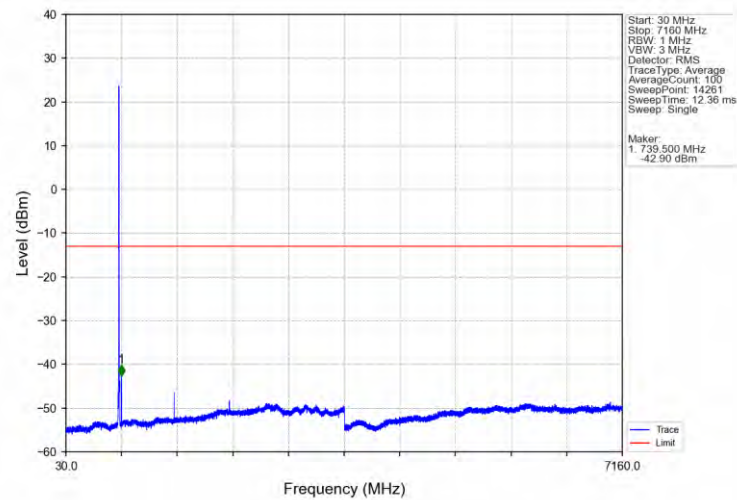
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



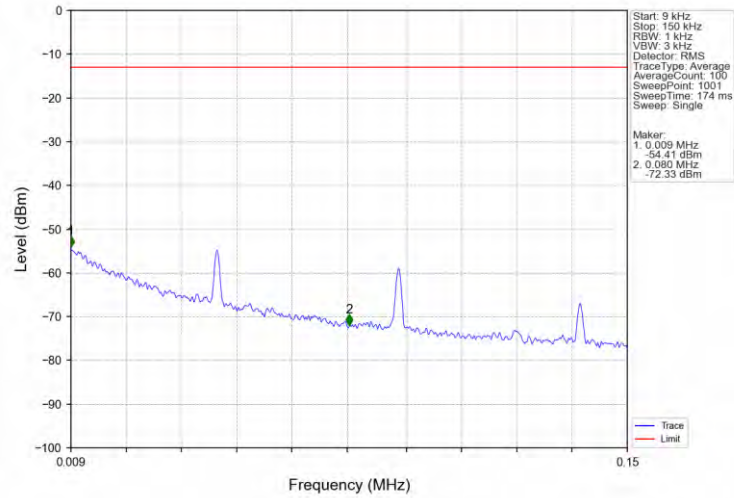
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



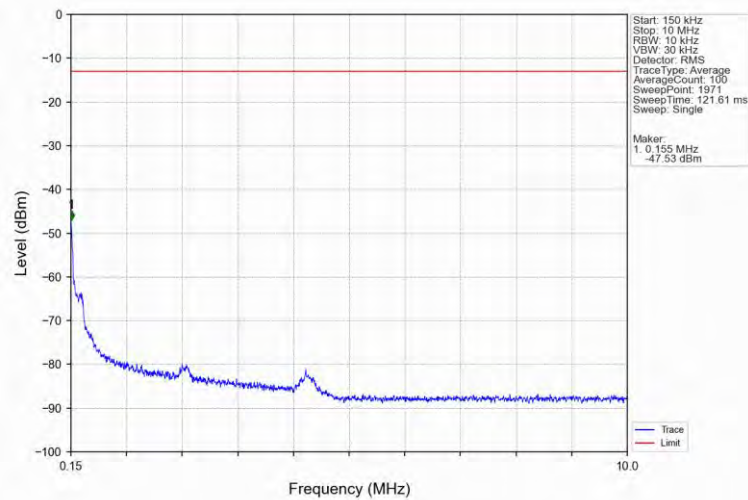
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



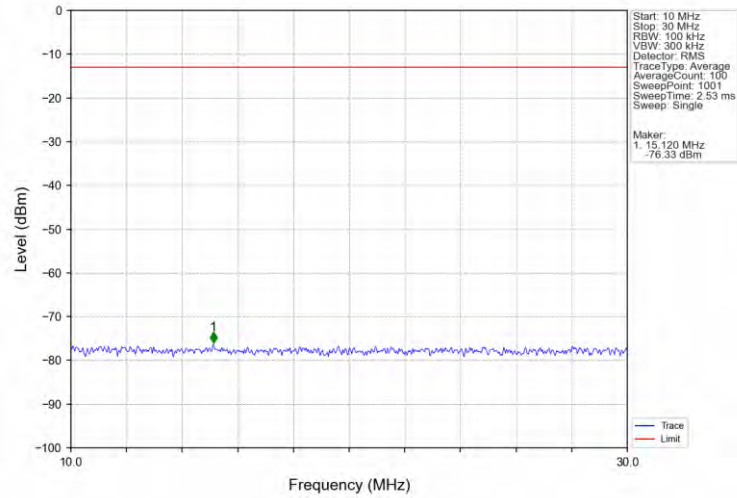
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



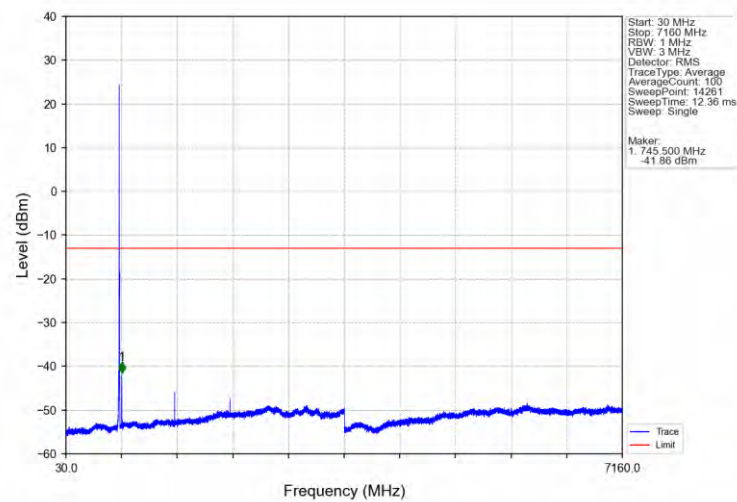
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



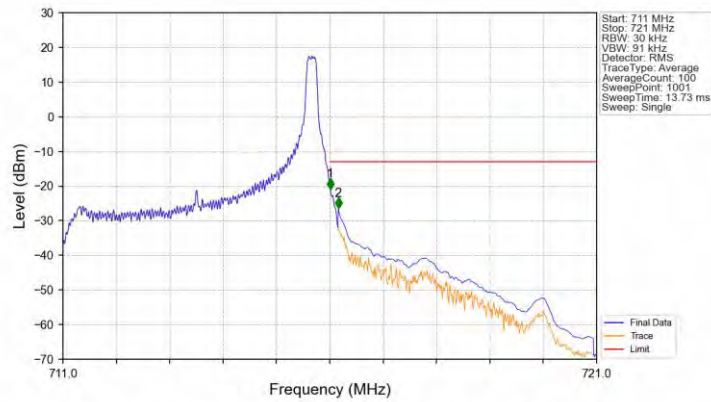
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

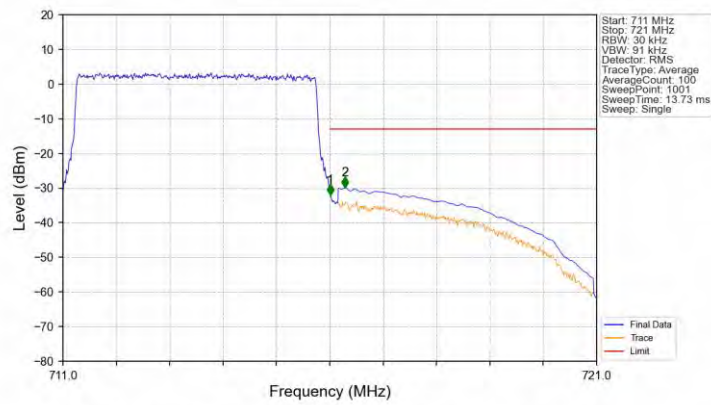


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



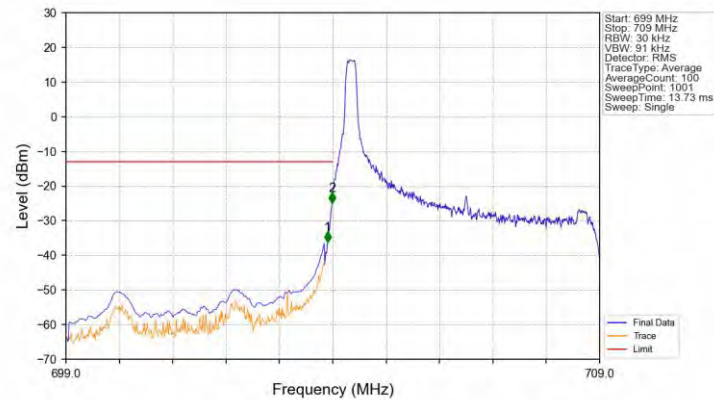
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-20.86	-13	Pass
716.1	721	0.1	CHP	2	716.160	-26.41	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



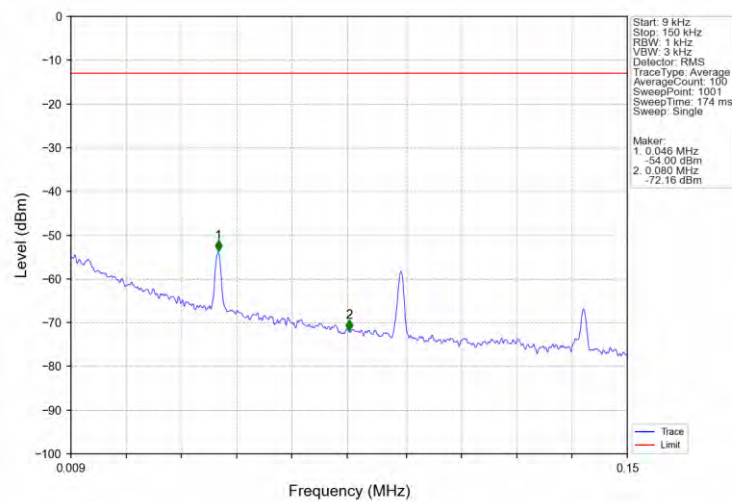
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-32.04	-13	Pass
716.1	721	0.1	CHP	2	716.280	-29.85	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

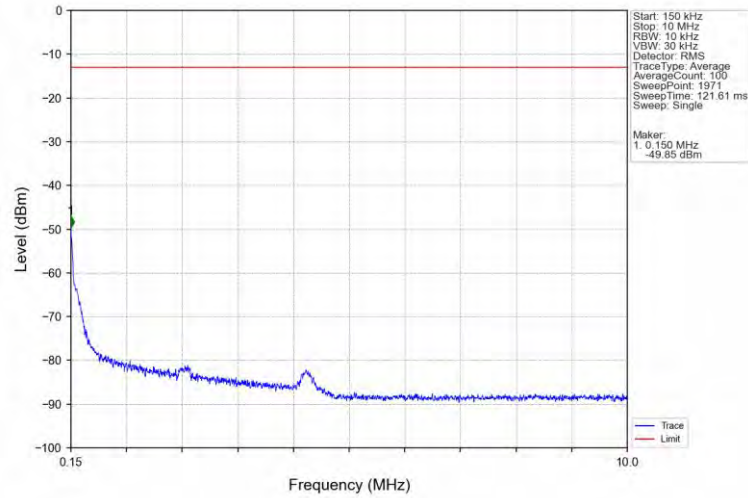


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.900	-36.28	-13	Pass
703.9	704	0.03	/	2	703.990	-24.94	-13	Pass
704	709	0.03	/	/	/	/	/	/

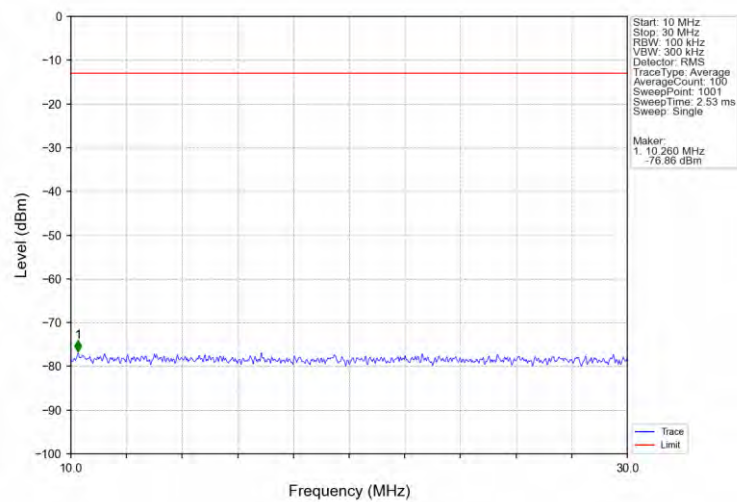
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



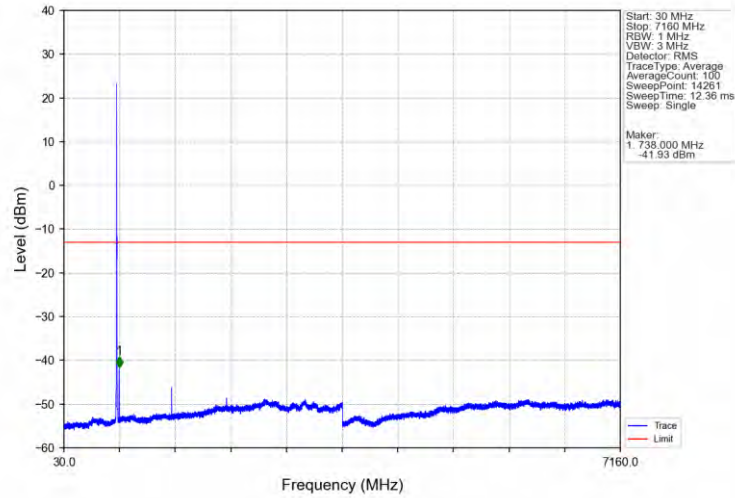
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



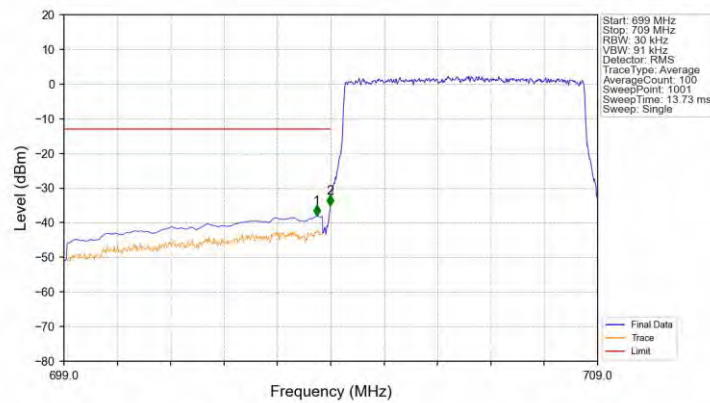
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

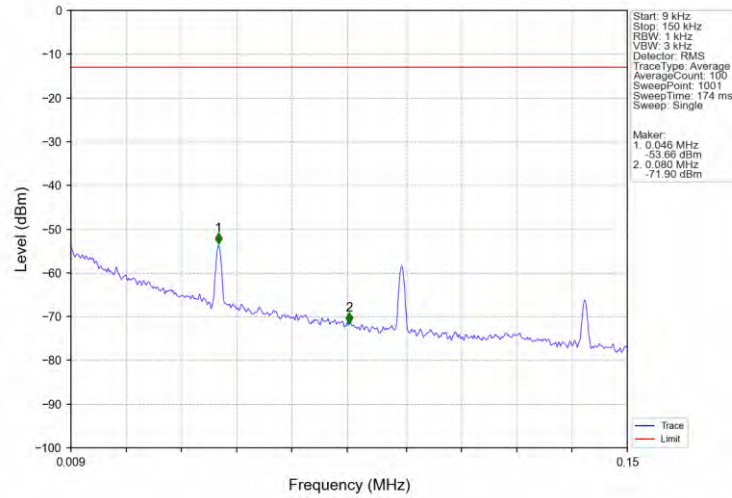


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

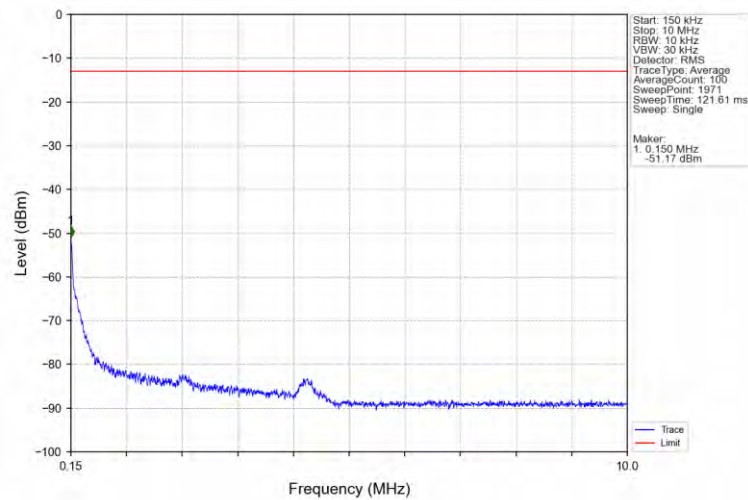


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.740	-38.09	-13	Pass
703.9	704	0.03	/	2	703.990	-35.05	-13	Pass
704	709	0.03	/	/	/	/	/	/

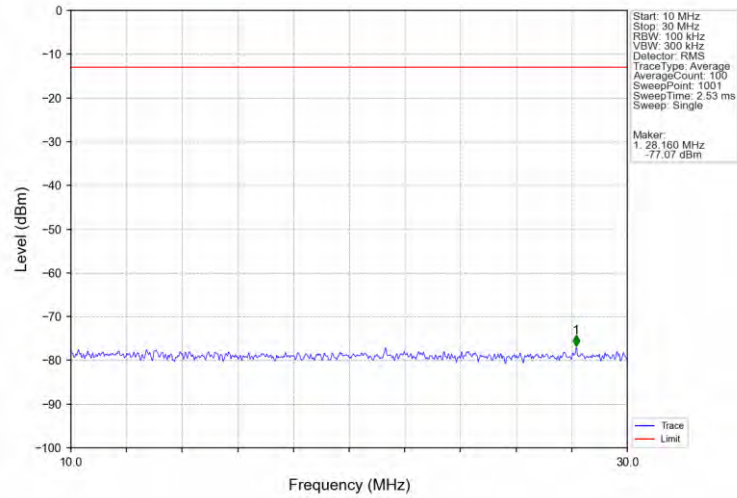
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



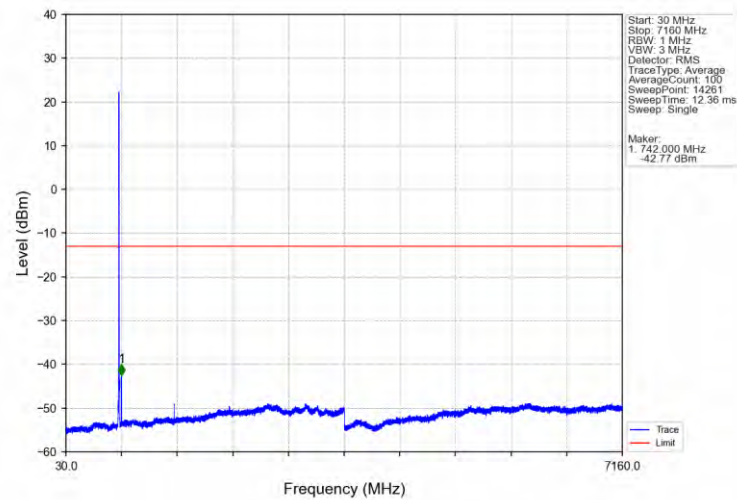
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



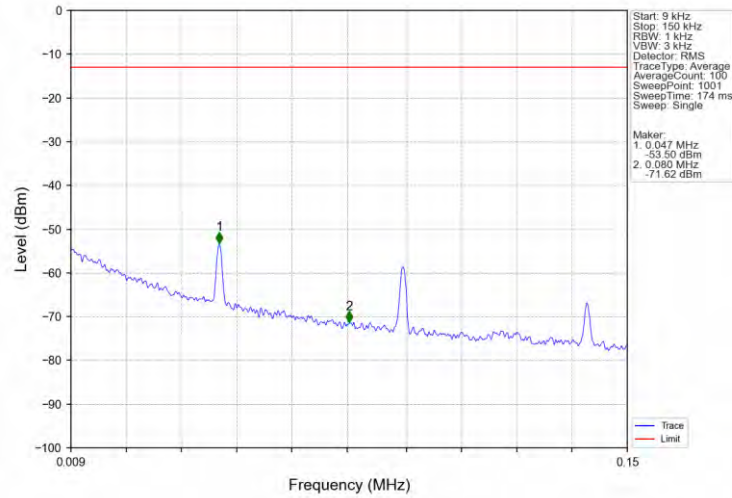
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



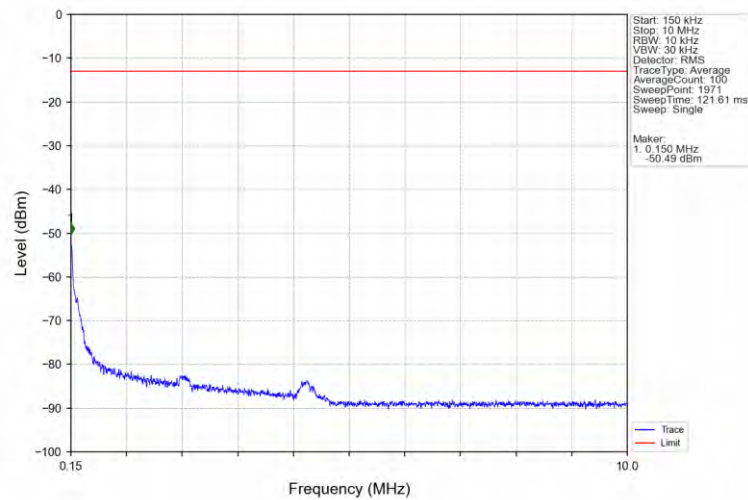
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



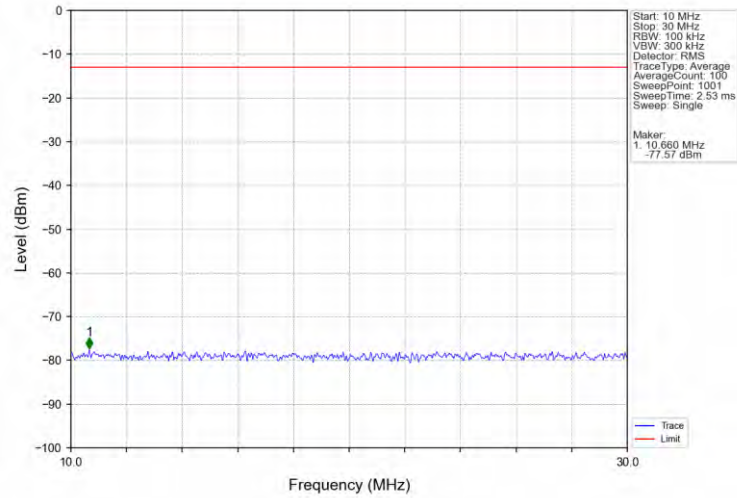
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



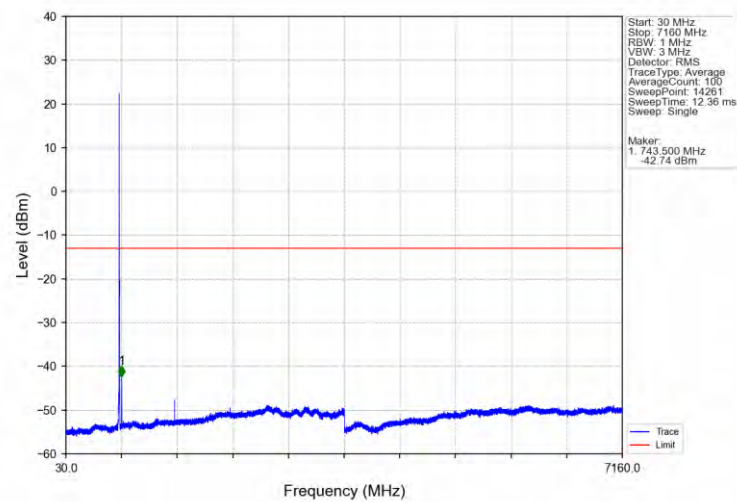
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



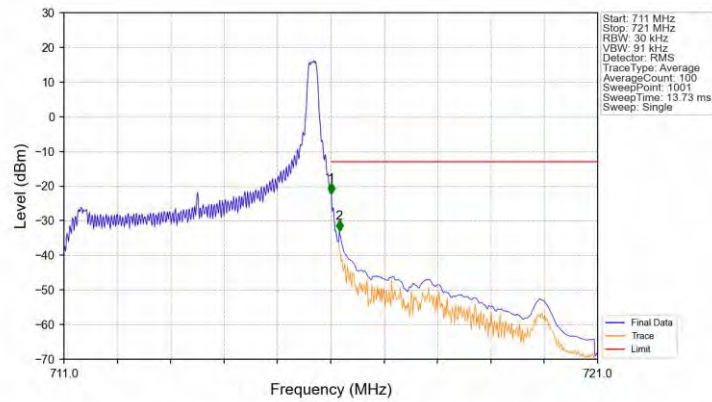
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

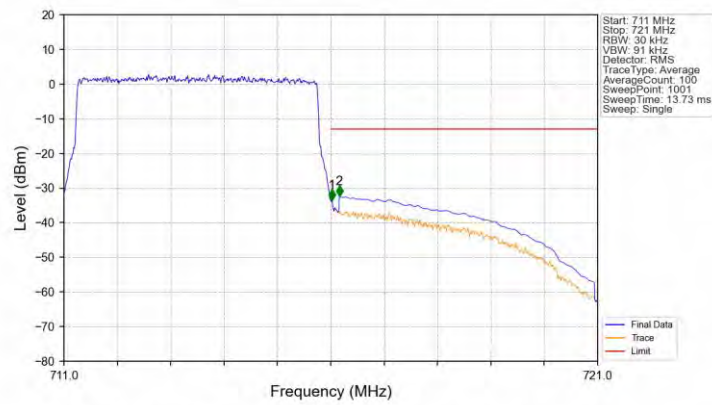


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	716.010	-22.20	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.01	-13	Pass

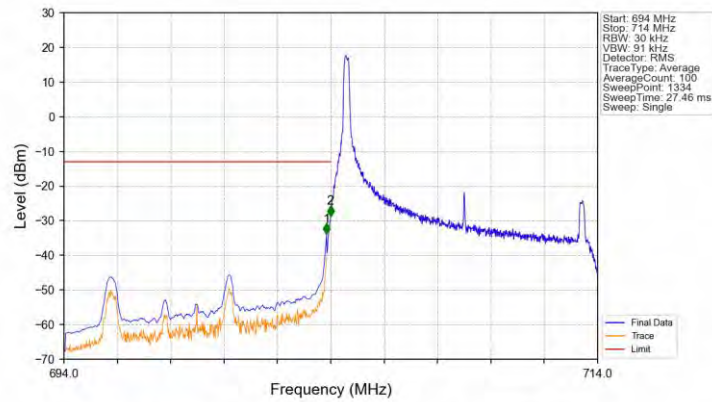
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



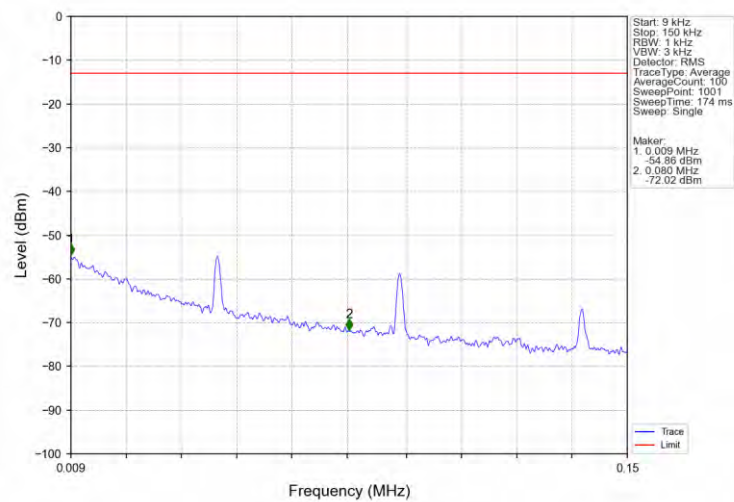
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-33.42	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.36	-13	Pass

6.2.2 B17_10MHz

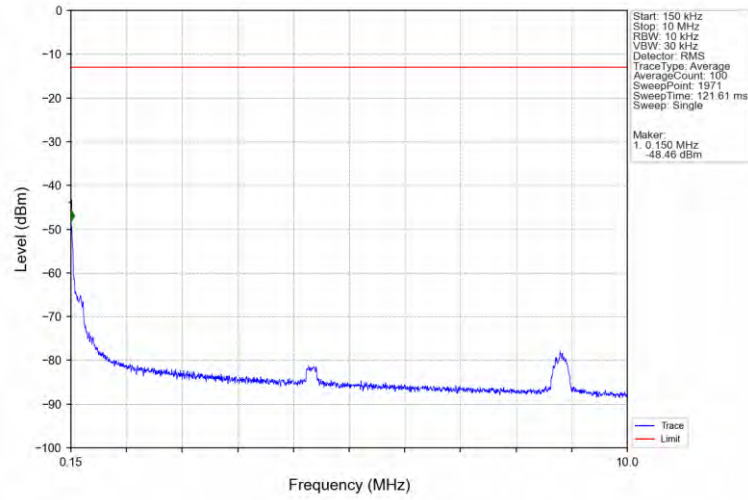
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



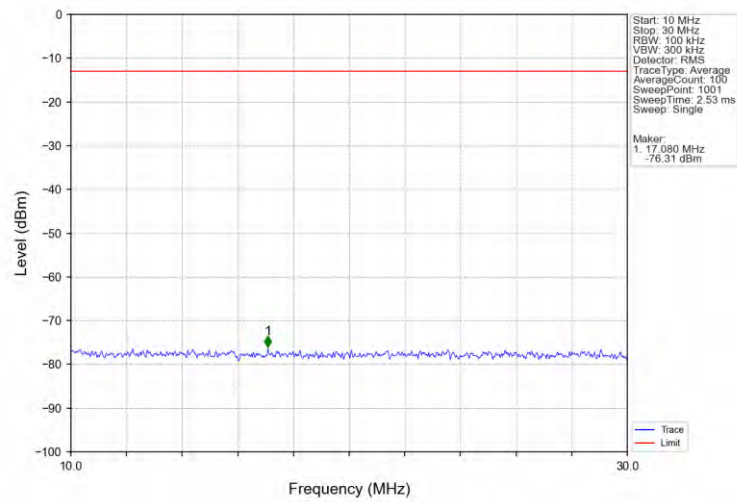
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



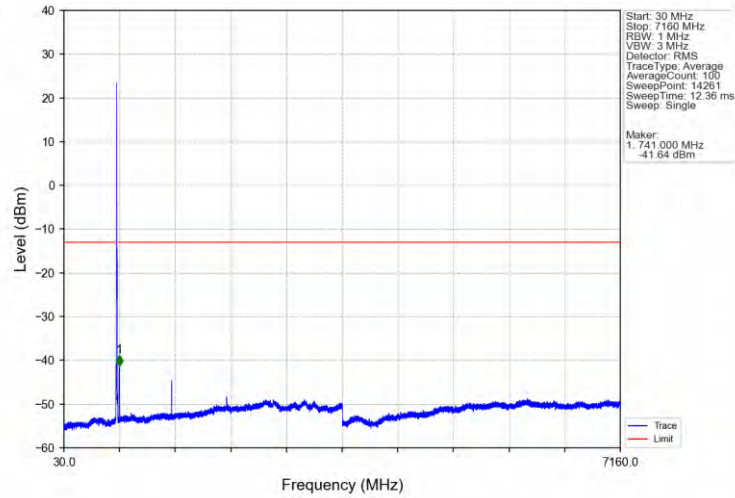
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



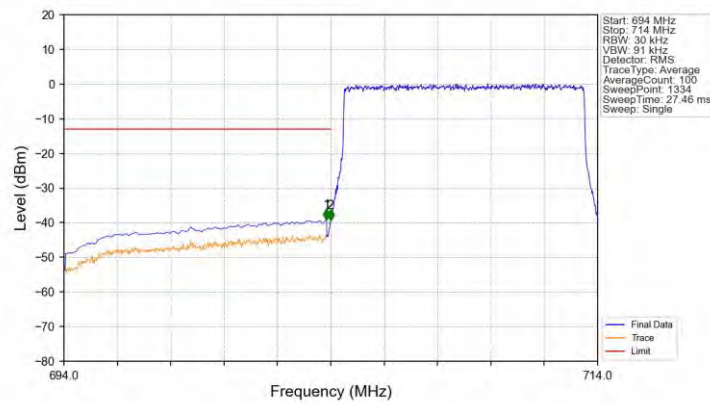
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

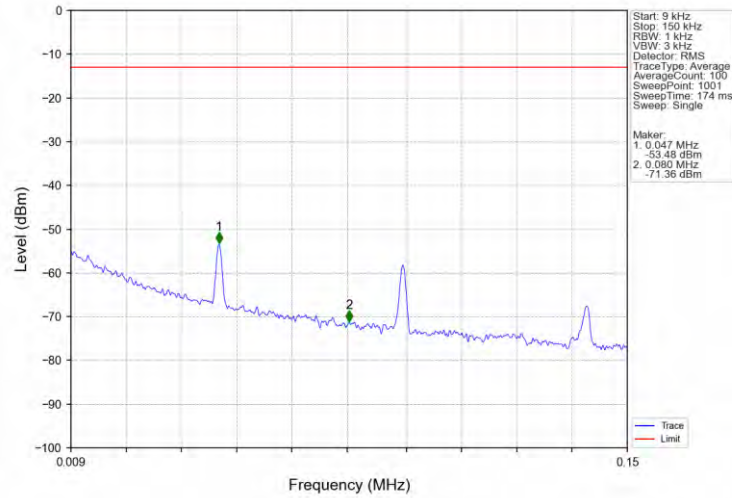


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

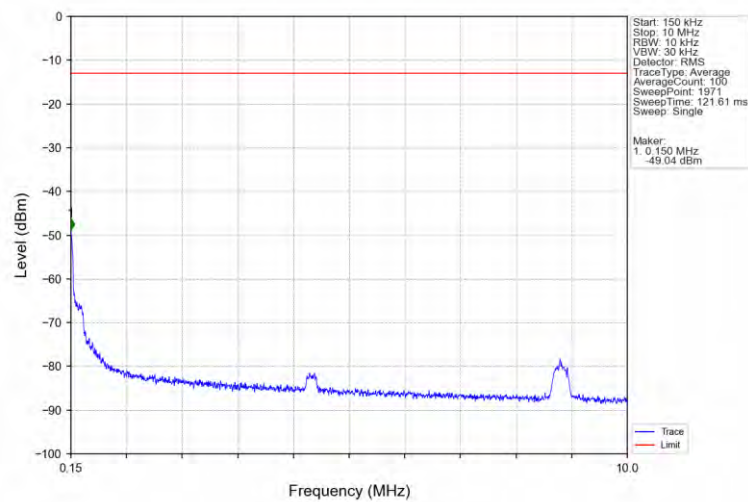


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-39.17	-13	Pass
703.9	704	0.03	/	2	703.992	-39.38	-13	Pass
704	714	0.03	/	/	/	/	/	/

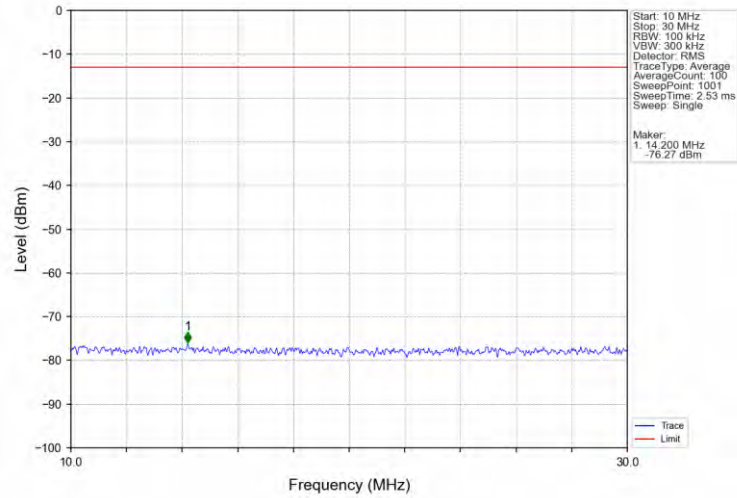
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



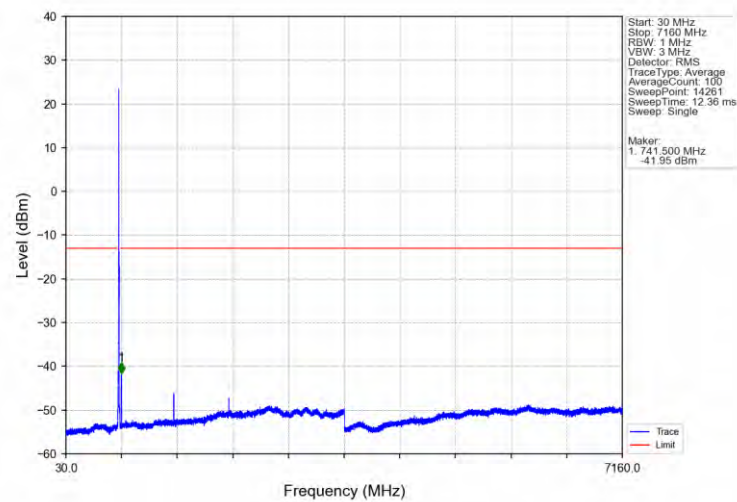
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



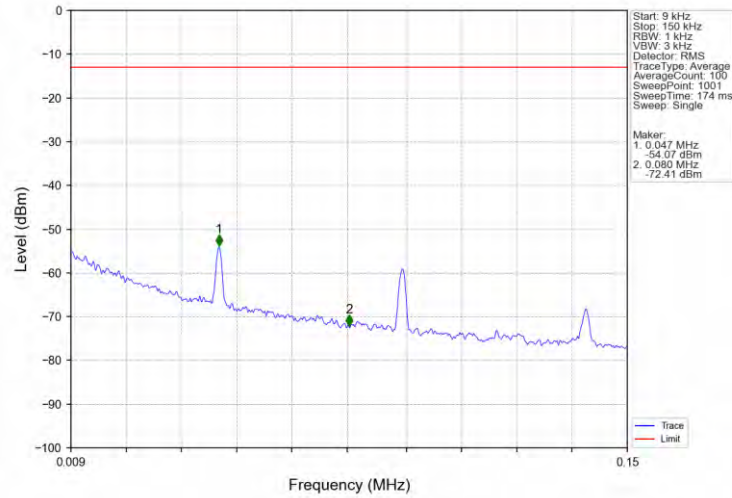
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



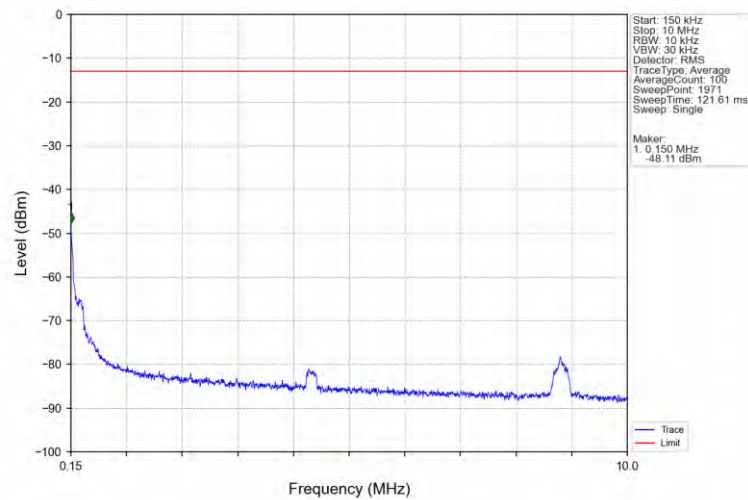
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



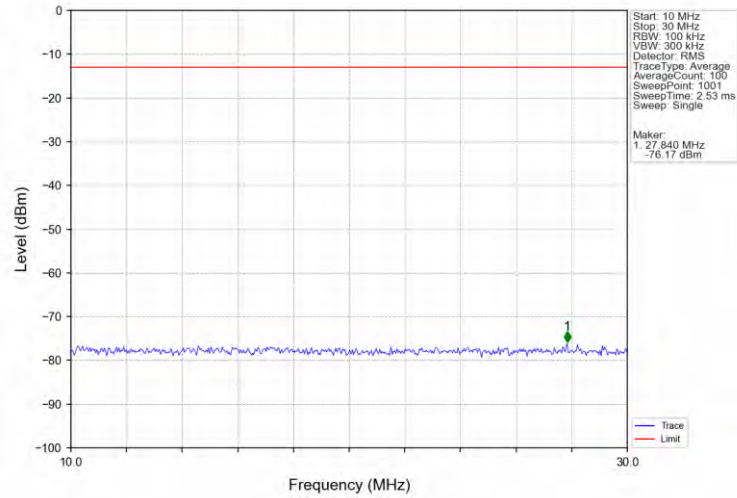
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



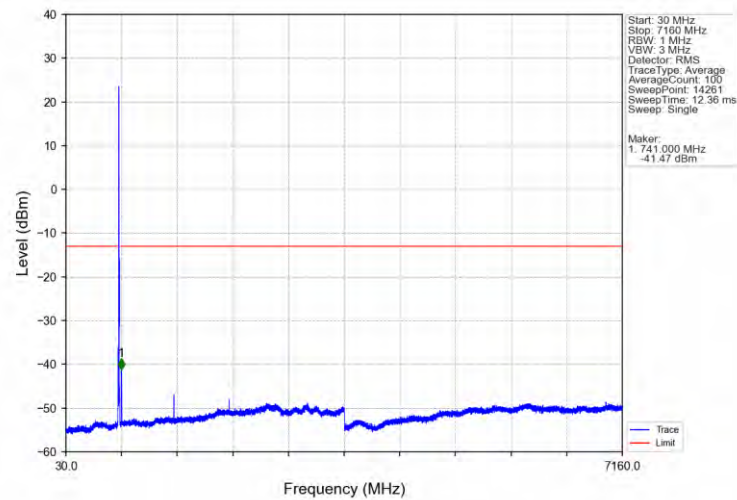
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



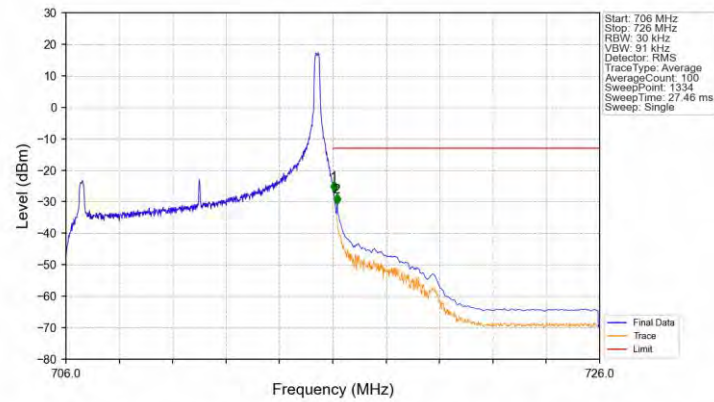
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

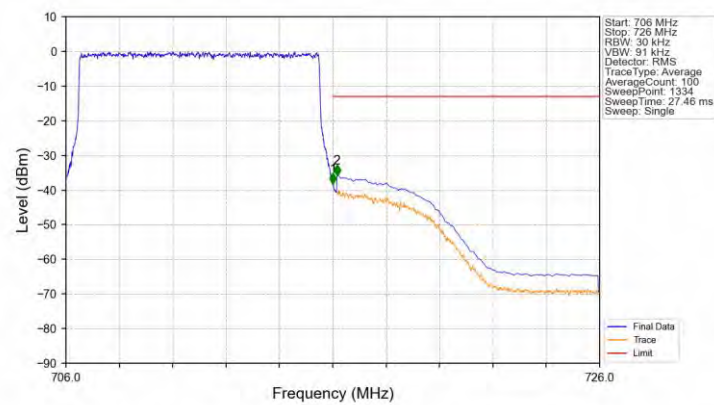


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



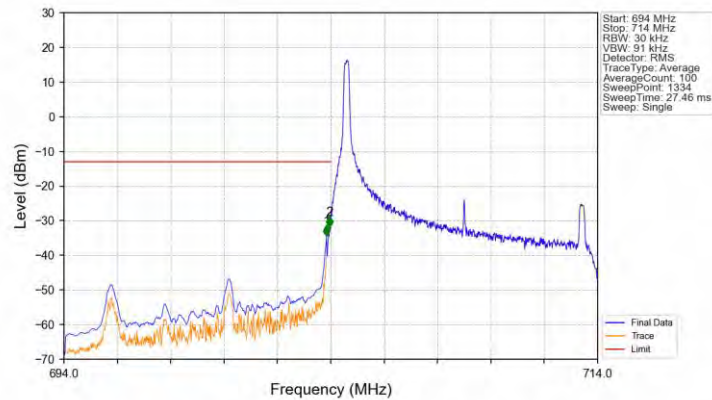
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-26.92	-13	Pass
716.1	726	0.1	CHP	2	716.158	-30.78	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



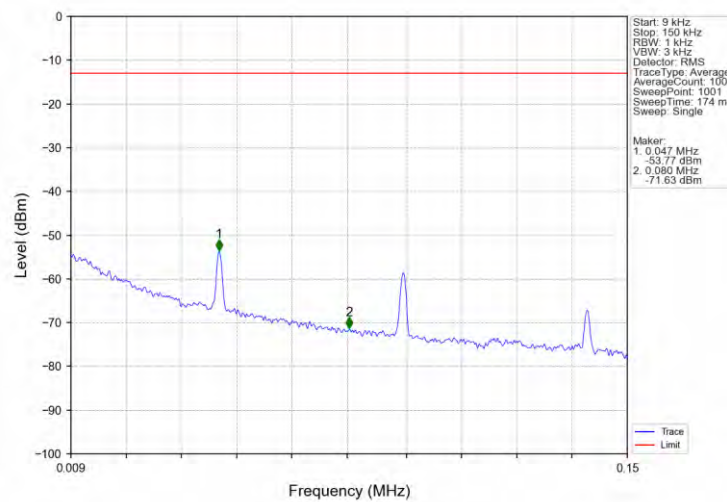
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-38.22	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.93	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

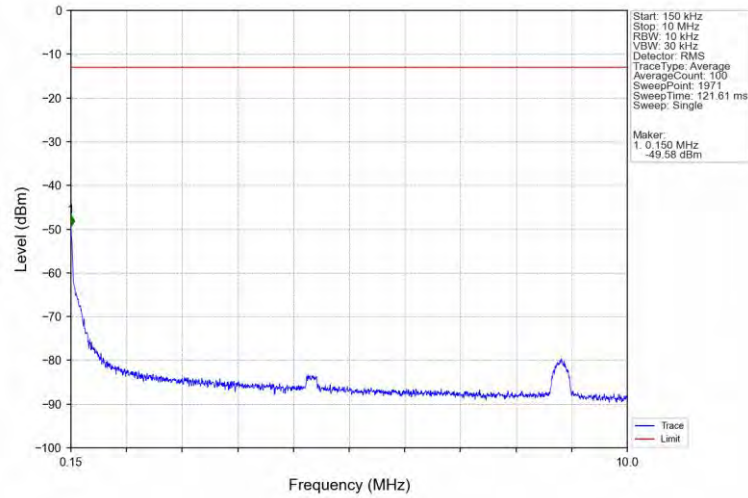


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.50	-13	Pass
703.9	704	0.03	/	2	703.962	-31.88	-13	Pass
704	714	0.03	/	/	/	/	/	/

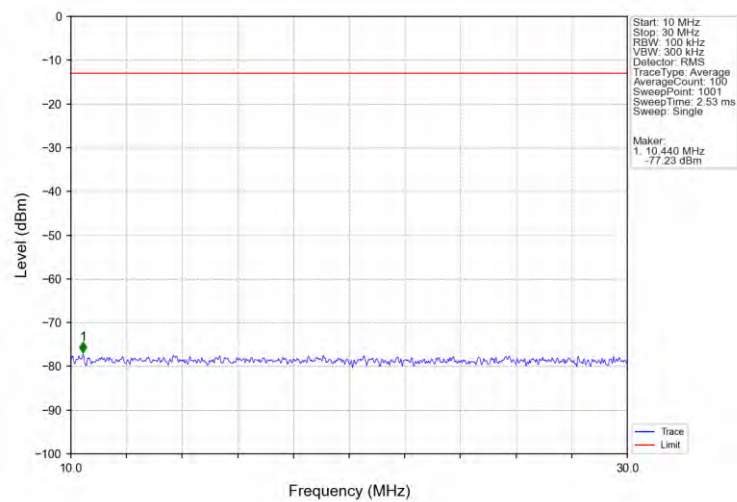
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



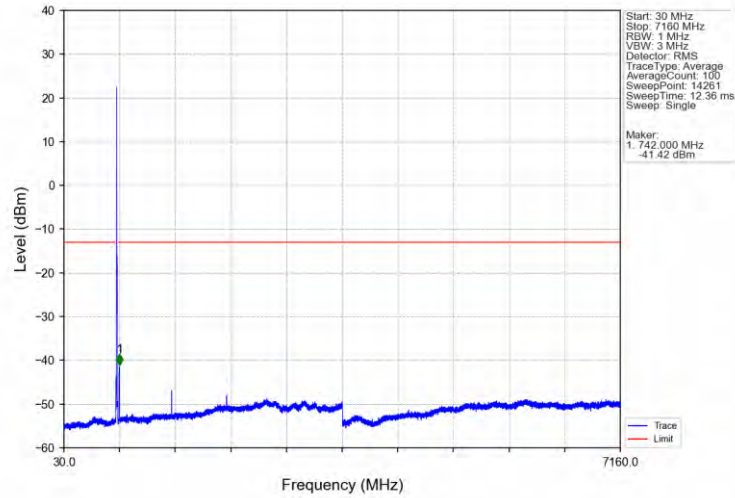
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



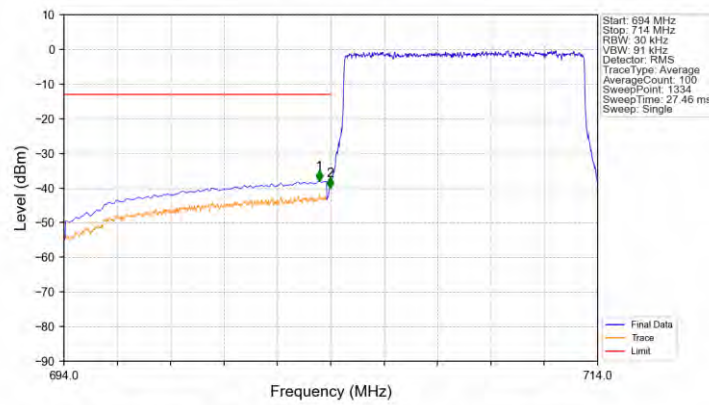
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

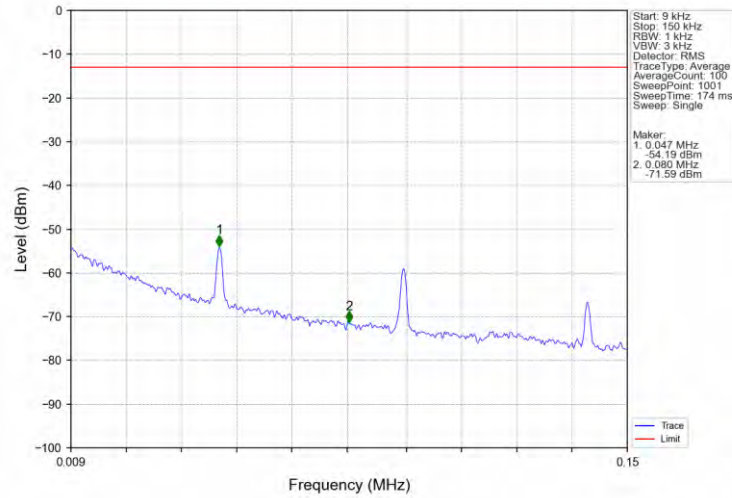


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

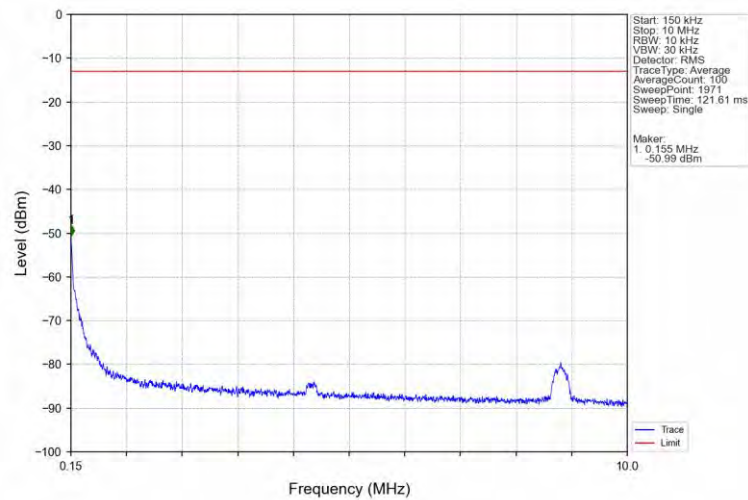


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.572	-37.95	-13	Pass
703.9	704	0.03	/	2	703.977	-39.99	-13	Pass
704	714	0.03	/	/	/	/	/	/

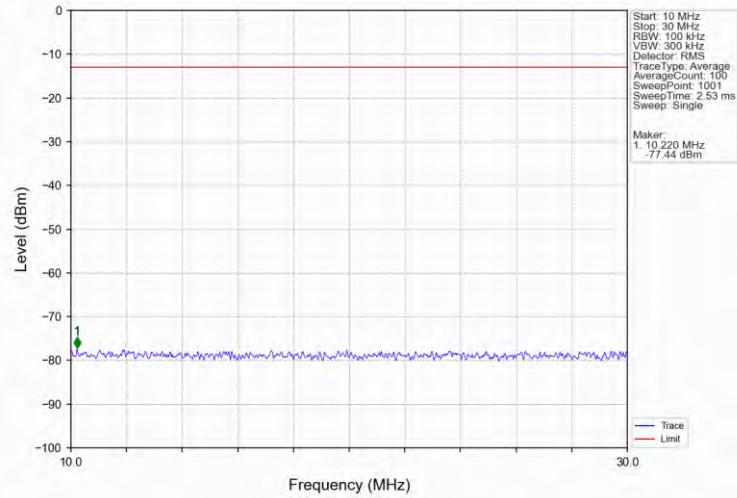
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



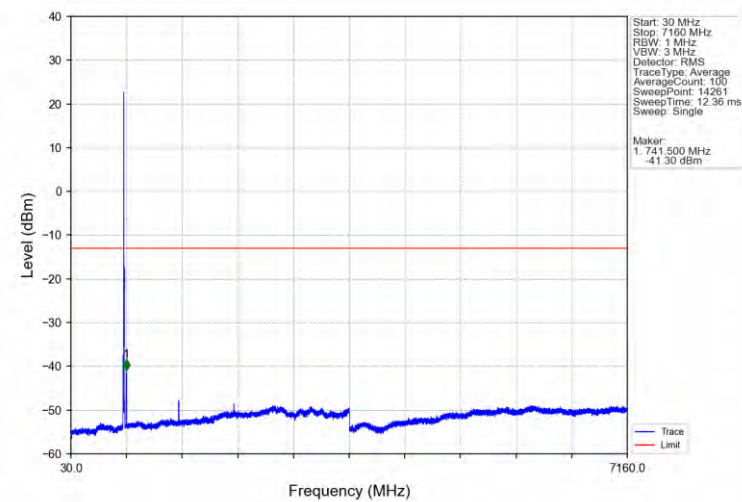
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



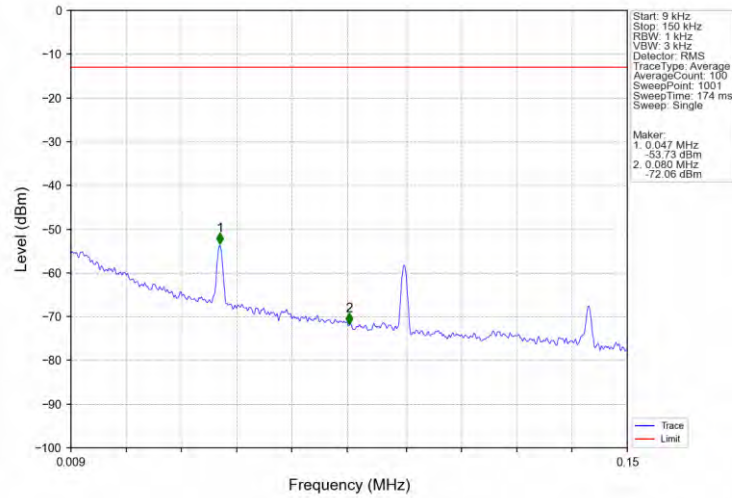
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



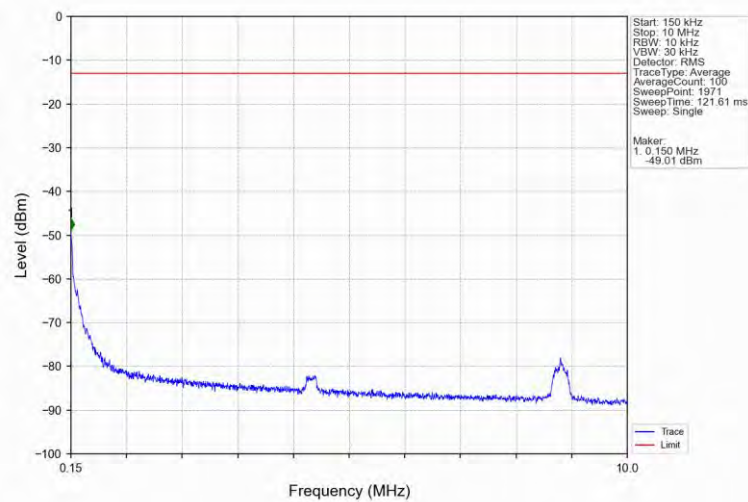
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



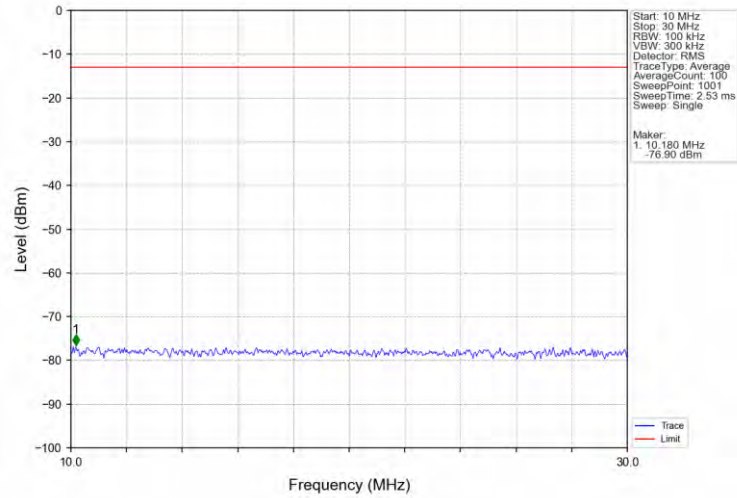
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



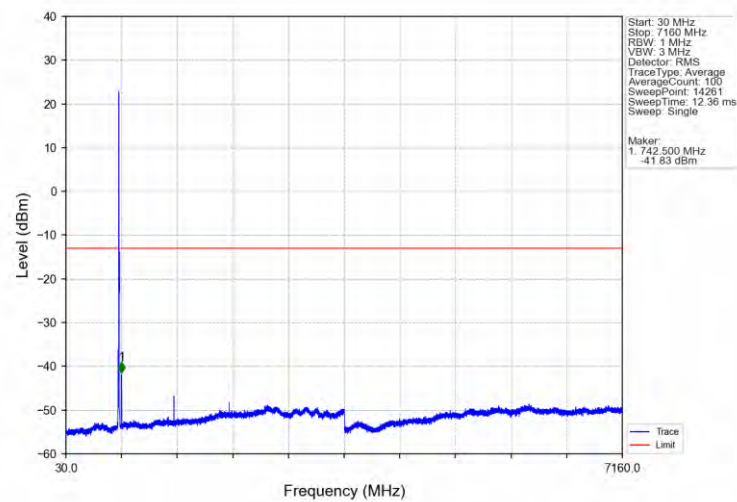
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



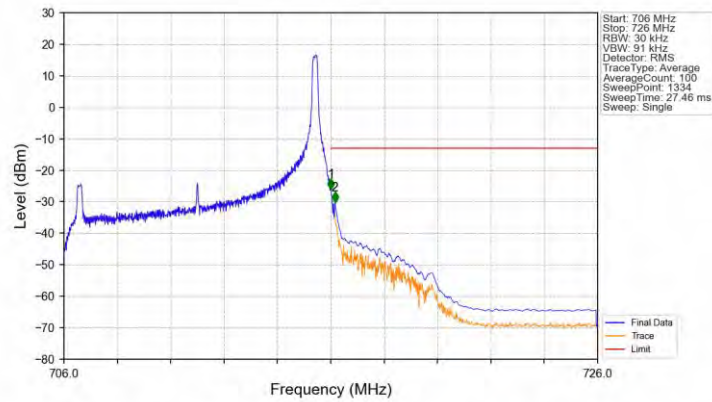
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

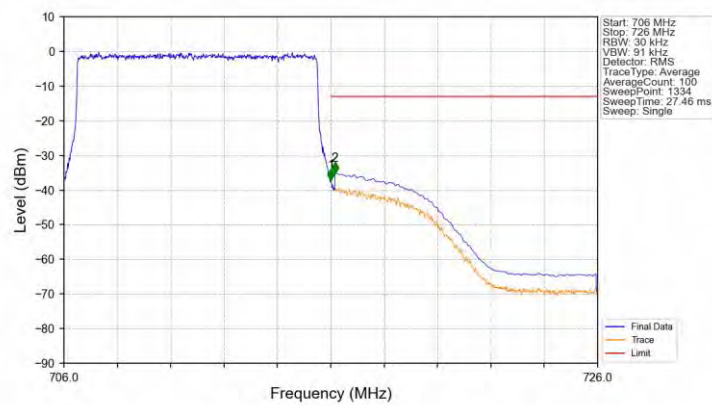


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-26.10	-13	Pass
716.1	726	0.1	CHP	2	716.158	-30.34	-13	Pass

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-37.12	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.11	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

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	0.2009	0.0635	ppm	4M56G7D	27H	23.03
17	5	706.5	713.5	0.1549	0.0679	ppm	4M58W7D	27H	21.90
17	10	709	711	0.1950	0.0663	ppm	9M10G7D	27H	22.90
17	10	709	711	0.1871	0.0647	ppm	9M07W7D	27H	22.72

7.1.2 Form731_ERP

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	0.0757	0.0635	ppm	4M56G7D	27H	18.79
17	5	706.5	713.5	0.0583	0.0679	ppm	4M58W7D	27H	17.66
17	10	709	711	0.0735	0.0663	ppm	9M10G7D	27H	18.66
17	10	709	711	0.0705	0.0647	ppm	9M07W7D	27H	18.48

***** End of Report *****