

Appendix - band_17

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	21.44	-1.91	17.38	<=34.77	Pass
			13	21.45	-1.91	17.39	<=34.77	Pass
			24	21.43	-1.91	17.37	<=34.77	Pass
		12	0	20.65	-1.91	16.59	<=34.77	Pass
			6	20.61	-1.91	16.55	<=34.77	Pass
			13	20.64	-1.91	16.58	<=34.77	Pass
		25	0	20.64	-1.91	16.58	<=34.77	Pass
	710	1	0	21.49	-1.91	17.43	<=34.77	Pass
			13	21.50	-1.91	17.44	<=34.77	Pass
			24	21.50	-1.91	17.44	<=34.77	Pass
		12	0	20.62	-1.91	16.56	<=34.77	Pass
			6	20.57	-1.91	16.51	<=34.77	Pass
			13	20.48	-1.91	16.42	<=34.77	Pass
		25	0	20.51	-1.91	16.45	<=34.77	Pass
	713.5	1	0	21.58	-1.91	17.52	<=34.77	Pass
			13	21.48	-1.91	17.42	<=34.77	Pass
			24	21.44	-1.91	17.38	<=34.77	Pass
		12	0	20.48	-1.91	16.42	<=34.77	Pass
			6	20.50	-1.91	16.44	<=34.77	Pass
			13	20.48	-1.91	16.42	<=34.77	Pass
		25	0	20.48	-1.91	16.42	<=34.77	Pass
16QAM	706.5	1	0	21.06	-1.91	17.00	<=34.77	Pass
			13	21.02	-1.91	16.96	<=34.77	Pass
			24	21.07	-1.91	17.01	<=34.77	Pass
		12	0	19.66	-1.91	15.60	<=34.77	Pass
			6	19.66	-1.91	15.60	<=34.77	Pass
			13	19.64	-1.91	15.58	<=34.77	Pass
		25	0	19.70	-1.91	15.64	<=34.77	Pass
	710	1	0	20.96	-1.91	16.90	<=34.77	Pass
			13	20.95	-1.91	16.89	<=34.77	Pass
			24	20.83	-1.91	16.77	<=34.77	Pass
		12	0	19.59	-1.91	15.53	<=34.77	Pass
			6	19.87	-1.91	15.81	<=34.77	Pass
			13	19.96	-1.91	15.90	<=34.77	Pass
		25	0	19.92	-1.91	15.86	<=34.77	Pass
	713.5	1	0	20.03	-1.91	15.97	<=34.77	Pass
			13	20.01	-1.91	15.95	<=34.77	Pass
			24	20.05	-1.91	15.99	<=34.77	Pass
		12	0	19.89	-1.91	15.83	<=34.77	Pass
			6	19.98	-1.91	15.92	<=34.77	Pass
			13	19.95	-1.91	15.89	<=34.77	Pass
		25	0	19.99	-1.91	15.93	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B17_10MHz_ERP

Band: 17 / Bandwidth: 10MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	709	1	0	21.51	-1.91	17.45	<=34.77	Pass	
			25	21.41	-1.91	17.35	<=34.77	Pass	
			49	21.53	-1.91	17.47	<=34.77	Pass	
		25	0	20.62	-1.91	16.56	<=34.77	Pass	
			13	20.59	-1.91	16.53	<=34.77	Pass	
			25	20.47	-1.91	16.41	<=34.77	Pass	
		50	0	20.60	-1.91	16.54	<=34.77	Pass	
		710	1	0	21.67	-1.91	17.61	<=34.77	Pass
				25	21.70	-1.91	17.64	<=34.77	Pass
	49			21.56	-1.91	17.50	<=34.77	Pass	
	25		0	20.51	-1.91	16.45	<=34.77	Pass	
			13	20.50	-1.91	16.44	<=34.77	Pass	
			25	20.38	-1.91	16.32	<=34.77	Pass	
	50		0	20.48	-1.91	16.42	<=34.77	Pass	
	711		1	0	21.47	-1.91	17.41	<=34.77	Pass
				25	21.41	-1.91	17.35	<=34.77	Pass
		49		21.42	-1.91	17.36	<=34.77	Pass	
		25	0	20.57	-1.91	16.51	<=34.77	Pass	
			13	20.57	-1.91	16.51	<=34.77	Pass	
			25	20.38	-1.91	16.32	<=34.77	Pass	
		50	0	20.51	-1.91	16.45	<=34.77	Pass	
16QAM		709	1	0	20.65	-1.91	16.59	<=34.77	Pass
				25	20.62	-1.91	16.56	<=34.77	Pass
	49			20.53	-1.91	16.47	<=34.77	Pass	
	25		0	19.75	-1.91	15.69	<=34.77	Pass	
			13	19.76	-1.91	15.70	<=34.77	Pass	
			25	20.04	-1.91	15.98	<=34.77	Pass	
	50		0	19.60	-1.91	15.54	<=34.77	Pass	
	710		1	0	21.79	-1.91	17.73	<=34.77	Pass
				25	21.70	-1.91	17.64	<=34.77	Pass
		49		21.72	-1.91	17.66	<=34.77	Pass	
		25	0	19.59	-1.91	15.53	<=34.77	Pass	
			13	19.94	-1.91	15.88	<=34.77	Pass	
			25	19.90	-1.91	15.84	<=34.77	Pass	
		50	0	19.96	-1.91	15.90	<=34.77	Pass	
		711	1	0	21.03	-1.91	16.97	<=34.77	Pass
				25	20.95	-1.91	16.89	<=34.77	Pass
	49			21.05	-1.91	16.99	<=34.77	Pass	
	25		0	19.57	-1.91	15.51	<=34.77	Pass	
			13	19.93	-1.91	15.87	<=34.77	Pass	
			25	19.92	-1.91	15.86	<=34.77	Pass	
	50		0	20.00	-1.91	15.94	<=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	-33.631	-0.0476	-2.5 to 2.5	Pass

					3.85	-20.499	-0.0290	-2.5 to 2.5	Pass	
					4.43	-26.565	-0.0376	-2.5 to 2.5	Pass	
				-30	3.85	-41.699	-0.0590	-2.5 to 2.5	Pass	
				-20	3.85	-28.882	-0.0409	-2.5 to 2.5	Pass	
				-10	3.85	-13.461	-0.0191	-2.5 to 2.5	Pass	
				0	3.85	-22.116	-0.0313	-2.5 to 2.5	Pass	
				10	3.85	-30.456	-0.0431	-2.5 to 2.5	Pass	
				30	3.85	-33.474	-0.0474	-2.5 to 2.5	Pass	
				40	3.85	-37.951	-0.0537	-2.5 to 2.5	Pass	
				50	3.85	-26.550	-0.0376	-2.5 to 2.5	Pass	
	710	25	0	20	3.27	-3.834	-0.0054	-2.5 to 2.5	Pass	
					3.85	-12.531	-0.0176	-2.5 to 2.5	Pass	
					4.43	-25.706	-0.0362	-2.5 to 2.5	Pass	
				-30	3.85	-40.298	-0.0568	-2.5 to 2.5	Pass	
				-20	3.85	-7.310	-0.0103	-2.5 to 2.5	Pass	
				-10	3.85	-21.973	-0.0309	-2.5 to 2.5	Pass	
				0	3.85	-35.305	-0.0497	-2.5 to 2.5	Pass	
				10	3.85	-47.250	-0.0665	-2.5 to 2.5	Pass	
				30	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass	
				40	3.85	-16.394	-0.0231	-2.5 to 2.5	Pass	
	50	3.85	-25.978	-0.0366	-2.5 to 2.5	Pass				
	713.5	25	0	20	3.27	6.208	0.0087	-2.5 to 2.5	Pass	
					3.85	8.111	0.0114	-2.5 to 2.5	Pass	
					4.43	5.794	0.0081	-2.5 to 2.5	Pass	
				-30	3.85	2.446	0.0034	-2.5 to 2.5	Pass	
				-20	3.85	-0.744	-0.0010	-2.5 to 2.5	Pass	
				-10	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass	
				0	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass	
				10	3.85	-6.008	-0.0084	-2.5 to 2.5	Pass	
				30	3.85	-7.267	-0.0102	-2.5 to 2.5	Pass	
				40	3.85	-9.742	-0.0137	-2.5 to 2.5	Pass	
	50	3.85	-14.248	-0.0200	-2.5 to 2.5	Pass				
	16QAM	706.5	25	0	20	3.27	-21.973	-0.0311	-2.5 to 2.5	Pass
						3.85	-49.996	-0.0708	-2.5 to 2.5	Pass
						4.43	-22.416	-0.0317	-2.5 to 2.5	Pass
					-30	3.85	-43.573	-0.0617	-2.5 to 2.5	Pass
					-20	3.85	-9.885	-0.0140	-2.5 to 2.5	Pass
					-10	3.85	-26.951	-0.0381	-2.5 to 2.5	Pass
					0	3.85	-46.835	-0.0663	-2.5 to 2.5	Pass
					10	3.85	-16.966	-0.0240	-2.5 to 2.5	Pass
30					3.85	-33.574	-0.0475	-2.5 to 2.5	Pass	
40					3.85	-15.836	-0.0224	-2.5 to 2.5	Pass	
50		3.85	-17.195	-0.0243	-2.5 to 2.5	Pass				
710		25	0	20	3.27	-36.206	-0.0510	-2.5 to 2.5	Pass	
					3.85	-43.302	-0.0610	-2.5 to 2.5	Pass	
					4.43	-4.134	-0.0058	-2.5 to 2.5	Pass	
				-30	3.85	-7.482	-0.0105	-2.5 to 2.5	Pass	
				-20	3.85	-9.384	-0.0132	-2.5 to 2.5	Pass	
				-10	3.85	-12.531	-0.0176	-2.5 to 2.5	Pass	
				0	3.85	-19.569	-0.0276	-2.5 to 2.5	Pass	
				10	3.85	-25.234	-0.0355	-2.5 to 2.5	Pass	
				30	3.85	-30.556	-0.0430	-2.5 to 2.5	Pass	
				40	3.85	-34.232	-0.0482	-2.5 to 2.5	Pass	
50		3.85	-37.694	-0.0531	-2.5 to 2.5	Pass				
713.5		25	0	20	3.27	-17.638	-0.0247	-2.5 to 2.5	Pass	
					3.85	-16.236	-0.0228	-2.5 to 2.5	Pass	
					4.43	-17.238	-0.0242	-2.5 to 2.5	Pass	
				-30	3.85	-22.731	-0.0319	-2.5 to 2.5	Pass	
				-20	3.85	-24.362	-0.0341	-2.5 to 2.5	Pass	
				-10	3.85	-22.273	-0.0312	-2.5 to 2.5	Pass	

				0	3.85	-22.917	-0.0321	-2.5 to 2.5	Pass
				10	3.85	-22.802	-0.0320	-2.5 to 2.5	Pass
				30	3.85	-21.687	-0.0304	-2.5 to 2.5	Pass
				40	3.85	-22.960	-0.0322	-2.5 to 2.5	Pass
				50	3.85	-25.220	-0.0353	-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	-0.815	-0.0011	-2.5 to 2.5	Pass
					3.85	-41.471	-0.0585	-2.5 to 2.5	Pass
					4.43	-32.945	-0.0465	-2.5 to 2.5	Pass
				-30	3.85	-46.306	-0.0653	-2.5 to 2.5	Pass
				-20	3.85	-33.460	-0.0472	-2.5 to 2.5	Pass
				-10	3.85	-20.256	-0.0286	-2.5 to 2.5	Pass
				0	3.85	-46.334	-0.0654	-2.5 to 2.5	Pass
				10	3.85	-21.014	-0.0296	-2.5 to 2.5	Pass
				30	3.85	-41.027	-0.0579	-2.5 to 2.5	Pass
				40	3.85	-10.543	-0.0149	-2.5 to 2.5	Pass
				50	3.85	-26.321	-0.0371	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-31.829	-0.0448	-2.5 to 2.5	Pass
					3.85	-21.873	-0.0308	-2.5 to 2.5	Pass
					4.43	-27.008	-0.0380	-2.5 to 2.5	Pass
				-30	3.85	-20.027	-0.0282	-2.5 to 2.5	Pass
				-20	3.85	-37.665	-0.0530	-2.5 to 2.5	Pass
				-10	3.85	-33.774	-0.0476	-2.5 to 2.5	Pass
				0	3.85	-37.808	-0.0533	-2.5 to 2.5	Pass
				10	3.85	-35.977	-0.0507	-2.5 to 2.5	Pass
				30	3.85	-27.308	-0.0385	-2.5 to 2.5	Pass
				40	3.85	-16.966	-0.0239	-2.5 to 2.5	Pass
				50	3.85	-24.705	-0.0348	-2.5 to 2.5	Pass
	711	50	0	20	3.27	2.518	0.0035	-2.5 to 2.5	Pass
					3.85	-9.813	-0.0138	-2.5 to 2.5	Pass
					4.43	-31.829	-0.0448	-2.5 to 2.5	Pass
				-30	3.85	3.762	0.0053	-2.5 to 2.5	Pass
				-20	3.85	-15.779	-0.0222	-2.5 to 2.5	Pass
				-10	3.85	-33.631	-0.0473	-2.5 to 2.5	Pass
				0	3.85	-15.993	-0.0225	-2.5 to 2.5	Pass
				10	3.85	-24.676	-0.0347	-2.5 to 2.5	Pass
				30	3.85	-38.023	-0.0535	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-15.836	-0.0223	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-38.738	-0.0546	-2.5 to 2.5	Pass
					3.85	-42.658	-0.0602	-2.5 to 2.5	Pass
					4.43	-39.854	-0.0562	-2.5 to 2.5	Pass
				-30	3.85	-42.157	-0.0595	-2.5 to 2.5	Pass
				-20	3.85	-44.260	-0.0624	-2.5 to 2.5	Pass
				-10	3.85	-27.566	-0.0389	-2.5 to 2.5	Pass
				0	3.85	-19.813	-0.0279	-2.5 to 2.5	Pass
				10	3.85	-28.753	-0.0406	-2.5 to 2.5	Pass
				30	3.85	-11.945	-0.0168	-2.5 to 2.5	Pass
				40	3.85	-29.469	-0.0416	-2.5 to 2.5	Pass
				50	3.85	-37.036	-0.0522	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-33.689	-0.0474	-2.5 to 2.5	Pass
					3.85	-9.370	-0.0132	-2.5 to 2.5	Pass
					4.43	-36.550	-0.0515	-2.5 to 2.5	Pass

				-30	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-27.795	-0.0391	-2.5 to 2.5	Pass
				-10	3.85	-32.129	-0.0453	-2.5 to 2.5	Pass
				0	3.85	-13.304	-0.0187	-2.5 to 2.5	Pass
				10	3.85	-30.584	-0.0431	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-14.820	-0.0209	-2.5 to 2.5	Pass
				50	3.85	-30.842	-0.0434	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-28.253	-0.0397	-2.5 to 2.5	Pass
					3.85	-32.744	-0.0461	-2.5 to 2.5	Pass
					4.43	-39.868	-0.0561	-2.5 to 2.5	Pass
				-30	3.85	-44.045	-0.0619	-2.5 to 2.5	Pass
				-20	3.85	-4.520	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-10.057	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-17.323	-0.0244	-2.5 to 2.5	Pass
				10	3.85	-22.688	-0.0319	-2.5 to 2.5	Pass
				30	3.85	-29.140	-0.0410	-2.5 to 2.5	Pass
				40	3.85	-35.162	-0.0495	-2.5 to 2.5	Pass
				50	3.85	-40.412	-0.0568	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

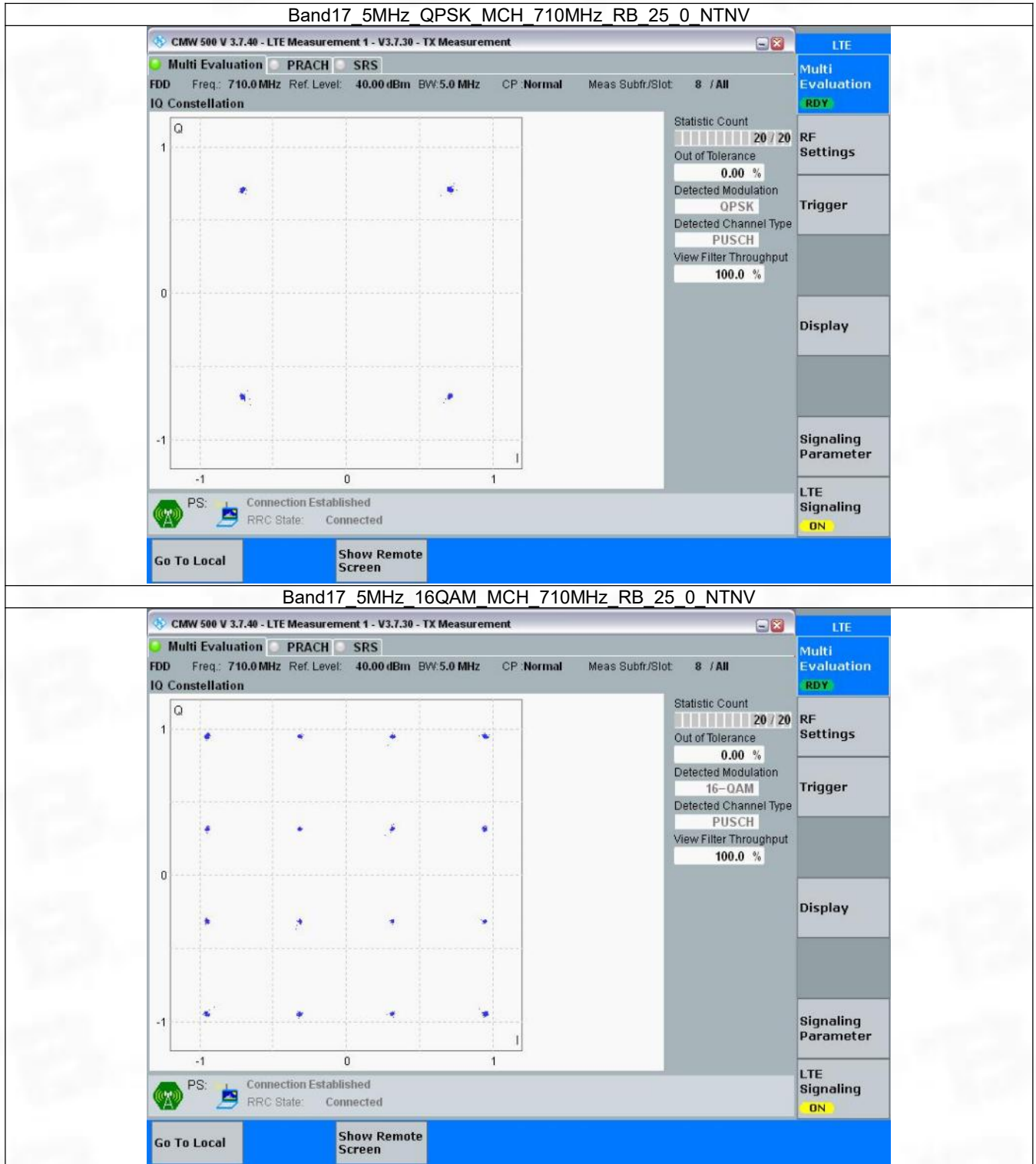
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

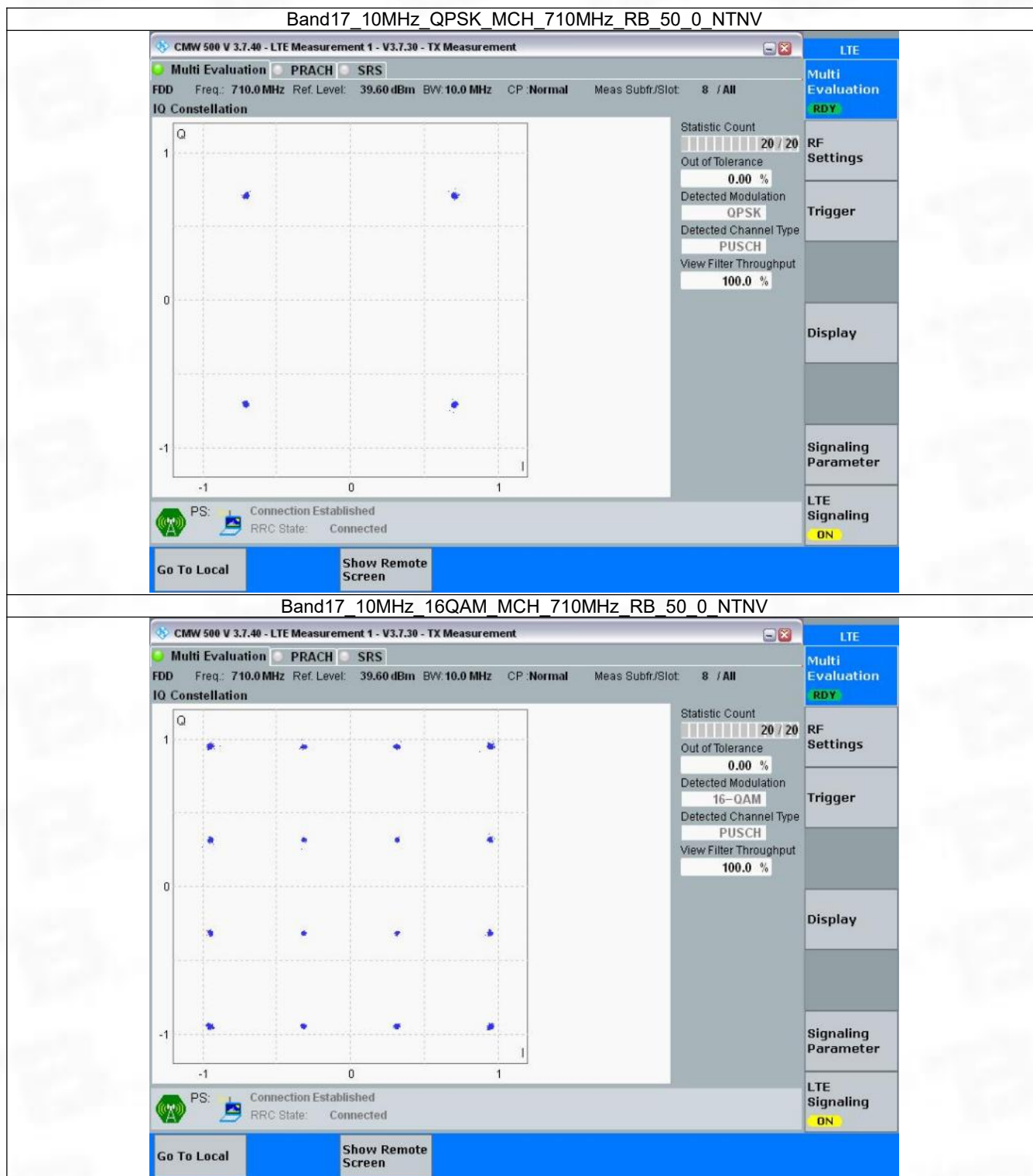
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

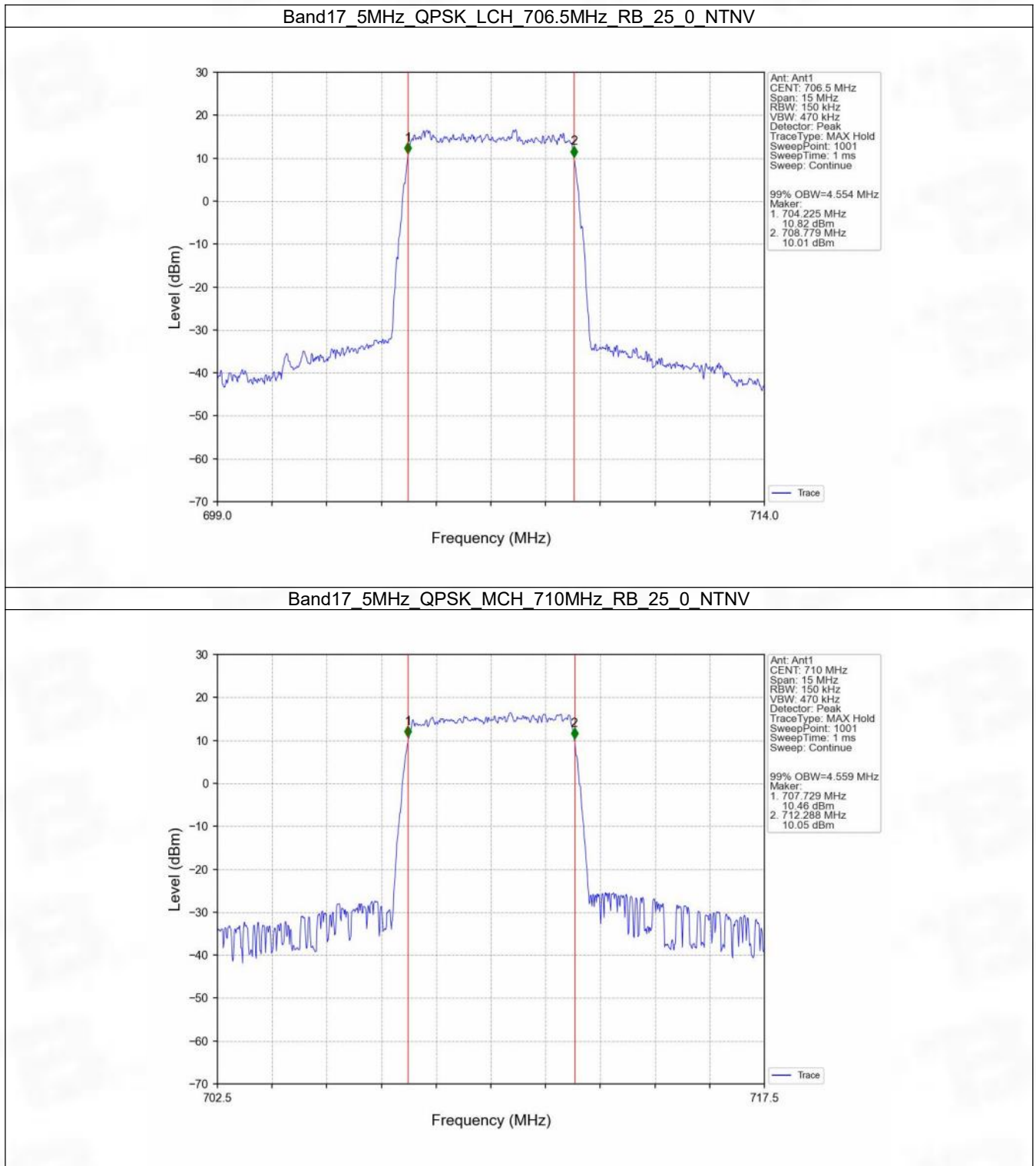
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.554	/	Pass
		710	25	0	4.559	/	Pass
		713.5	25	0	4.571	/	Pass
	16QAM	706.5	25	0	4.573	/	Pass
		710	25	0	4.565	/	Pass
		713.5	25	0	4.542	/	Pass
10	QPSK	709	50	0	9.082	/	Pass
		710	50	0	9.037	/	Pass
		711	50	0	9.063	/	Pass
	16QAM	709	50	0	9.077	/	Pass
		710	50	0	9.068	/	Pass
		711	50	0	9.040	/	Pass

4.1.2 Band17_XDB

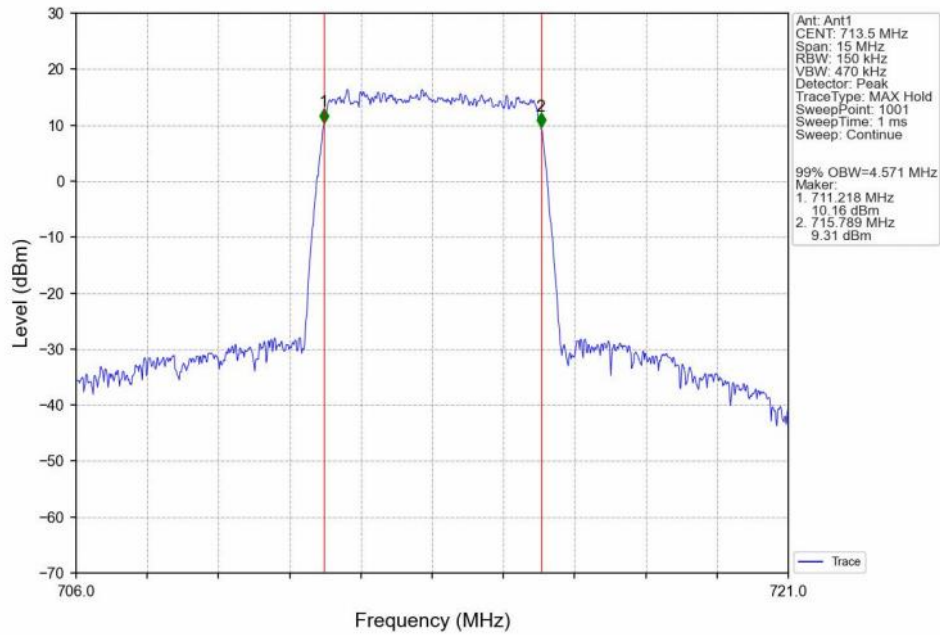
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.073	/	Pass
		710	25	0	5.061	/	Pass
		713.5	25	0	5.060	/	Pass
	16QAM	706.5	25	0	5.073	/	Pass
		710	25	0	5.091	/	Pass
		713.5	25	0	5.023	/	Pass
10	QPSK	709	50	0	10.033	/	Pass
		710	50	0	10.056	/	Pass
		711	50	0	9.965	/	Pass
	16QAM	709	50	0	10.096	/	Pass
		710	50	0	10.059	/	Pass
		711	50	0	10.084	/	Pass

4.2 Test Graph

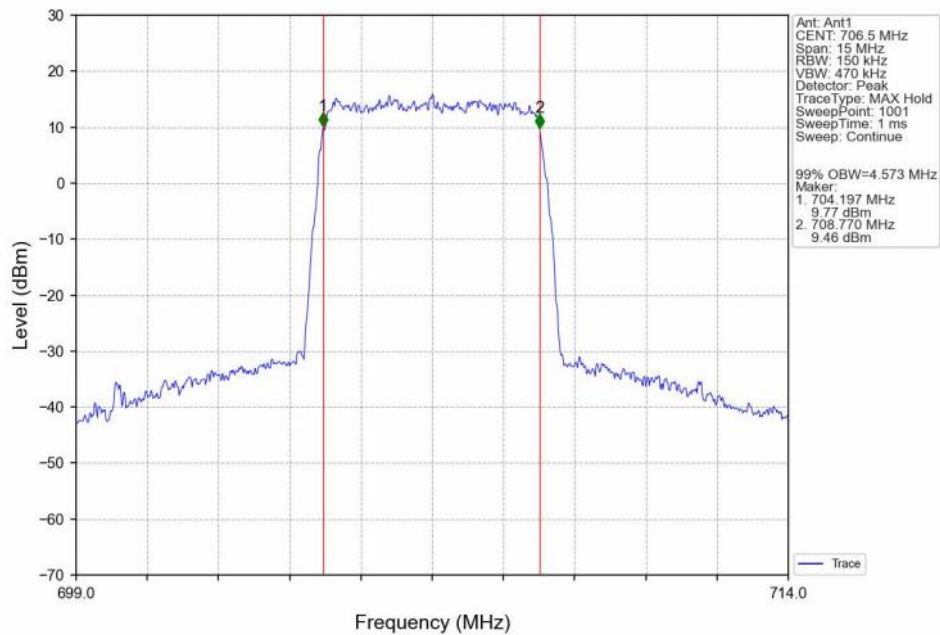
4.2.1 Band17_OBW



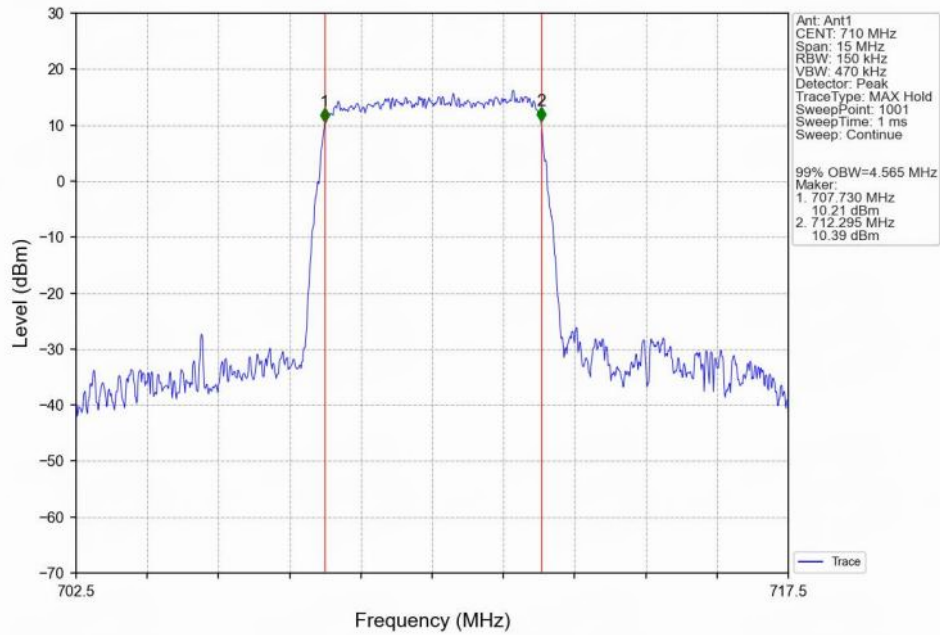
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



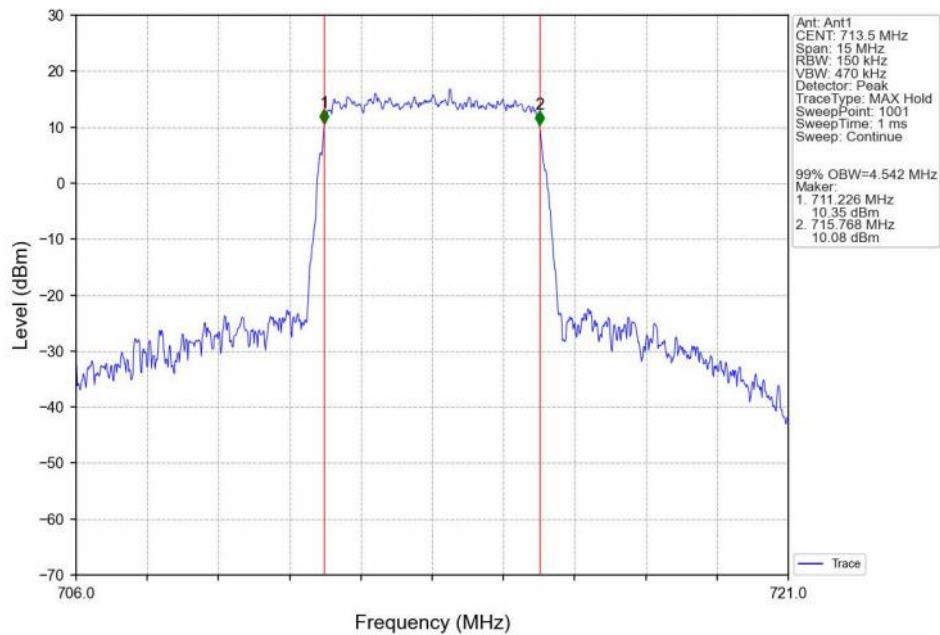
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



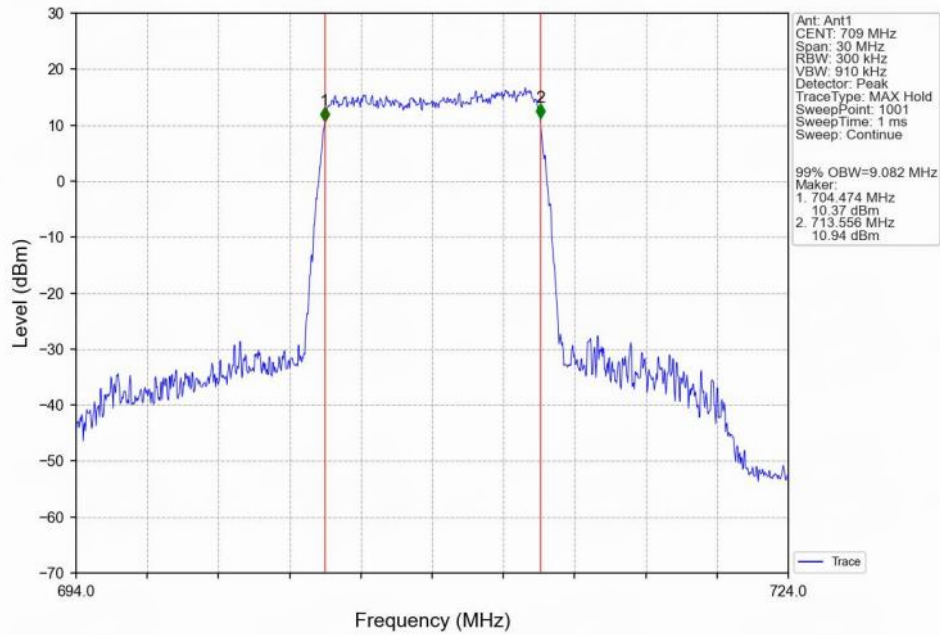
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



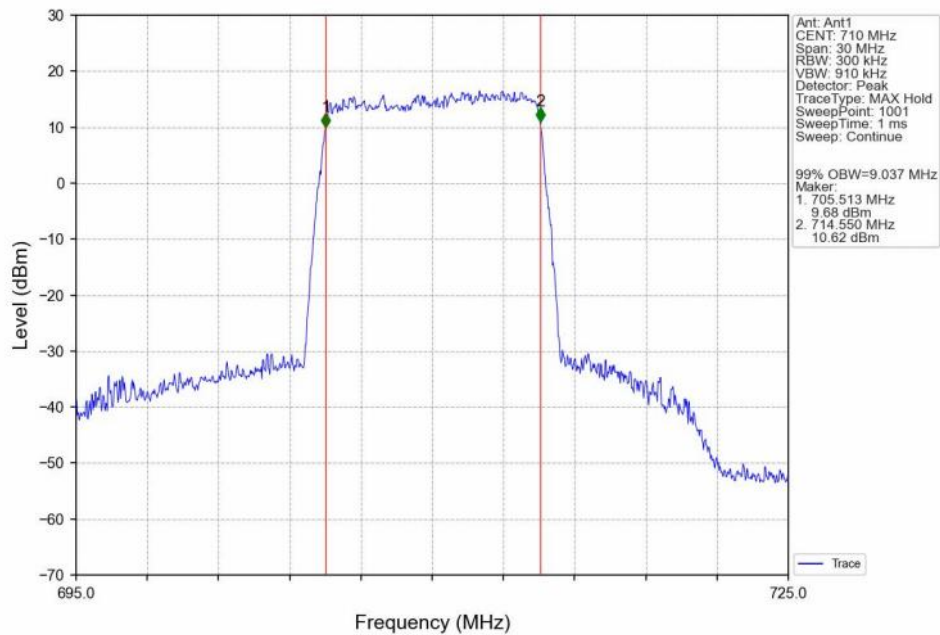
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



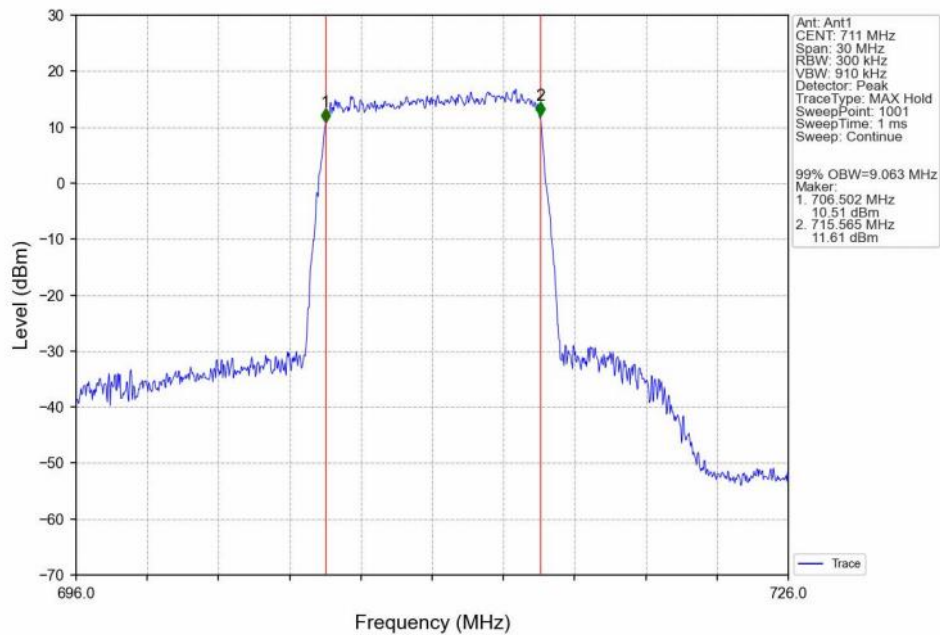
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



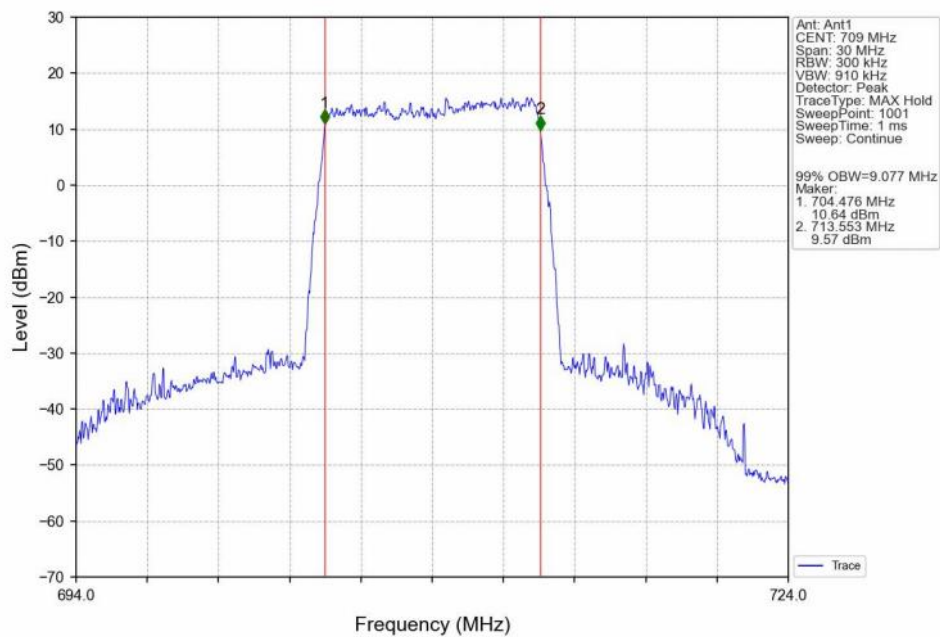
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



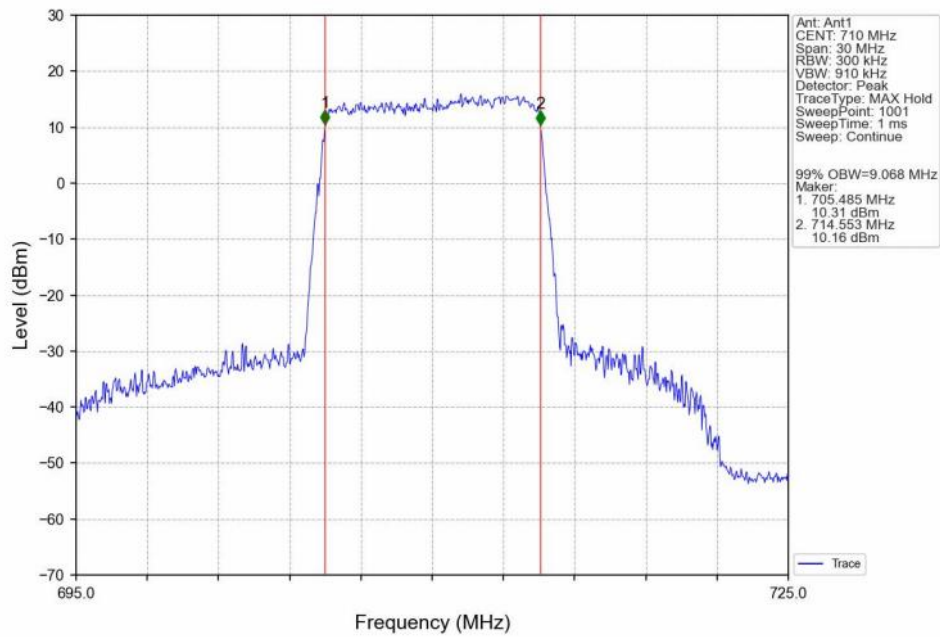
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



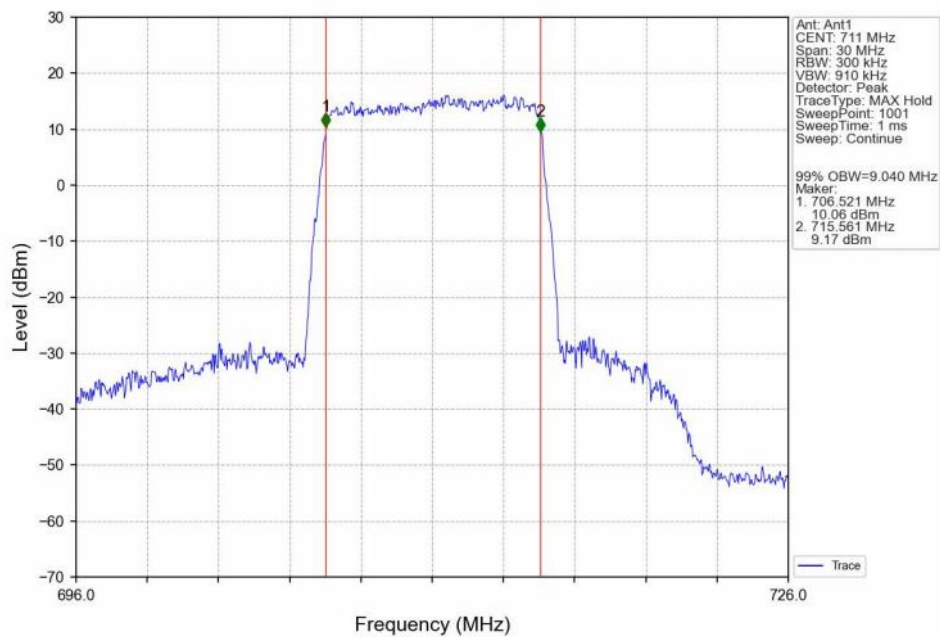
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



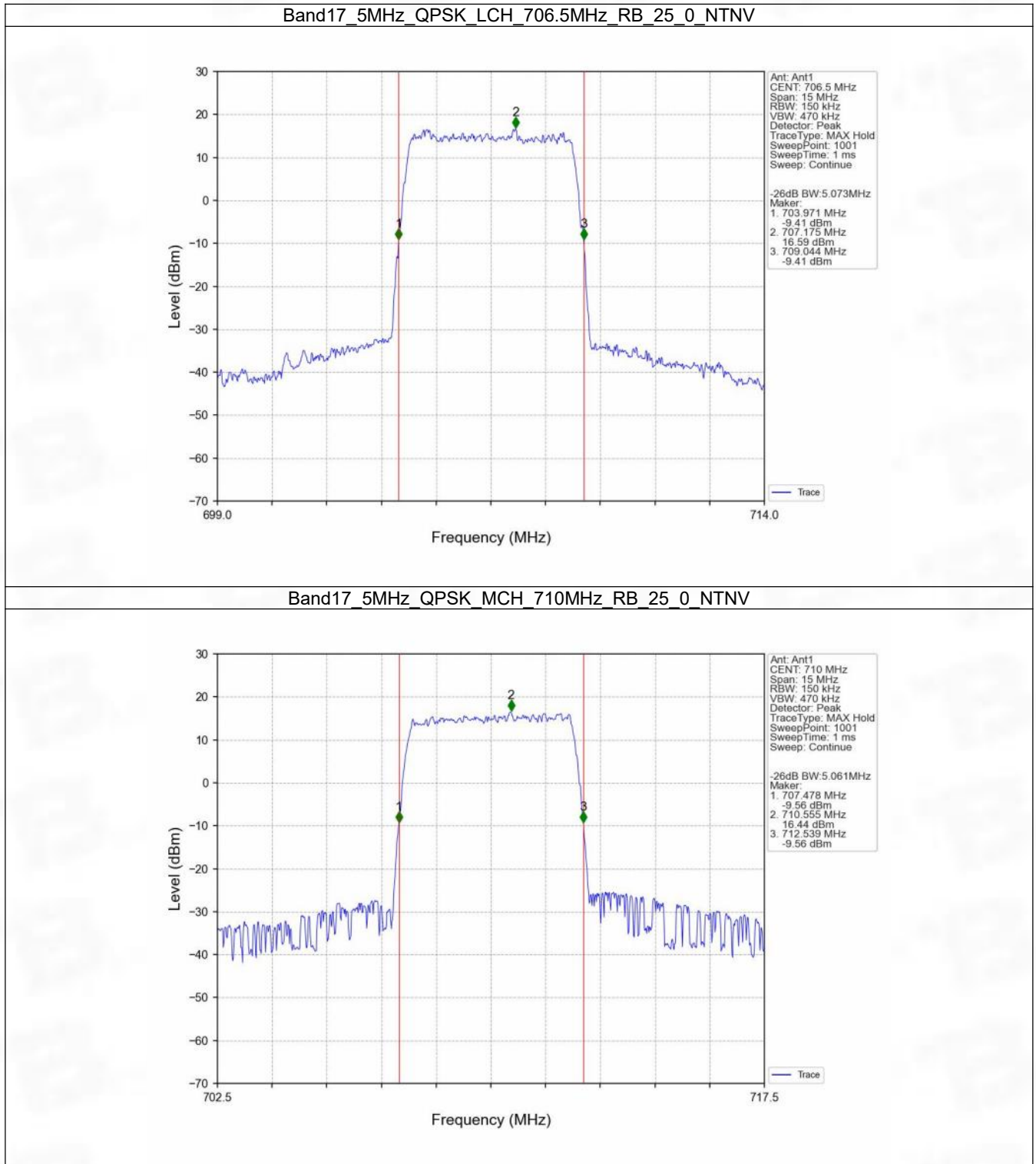
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



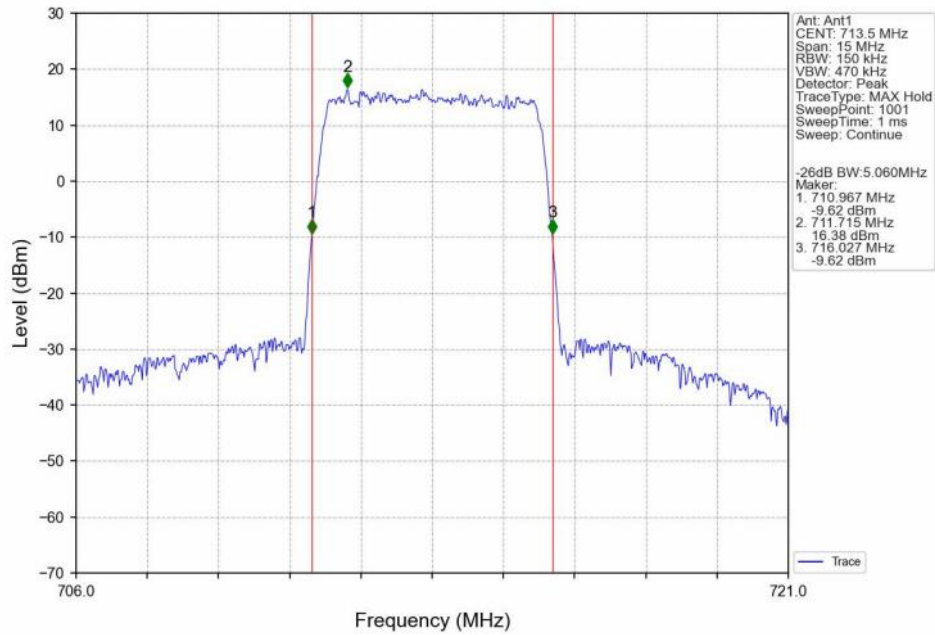
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



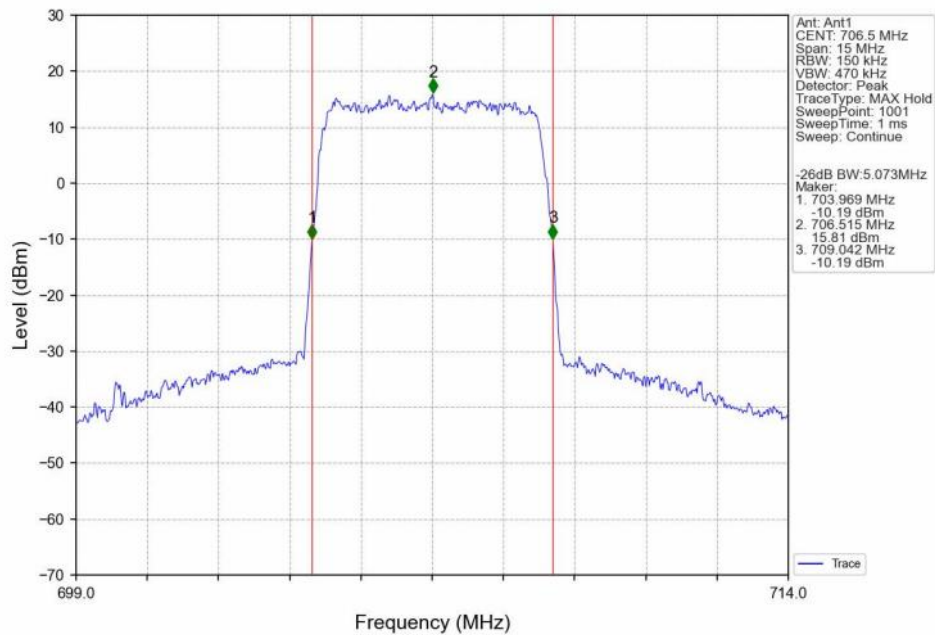
4.2.2 Band17_XDB



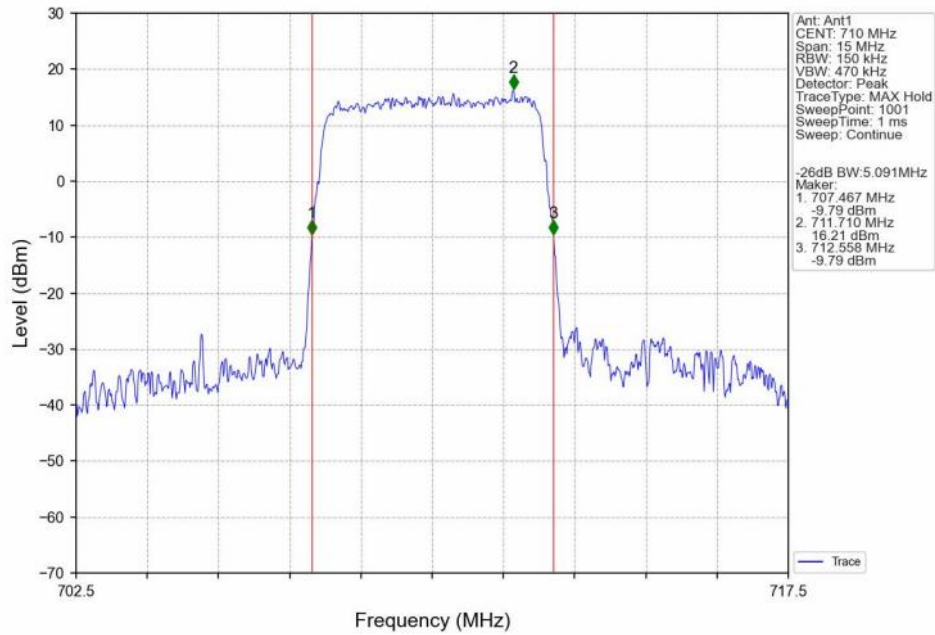
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



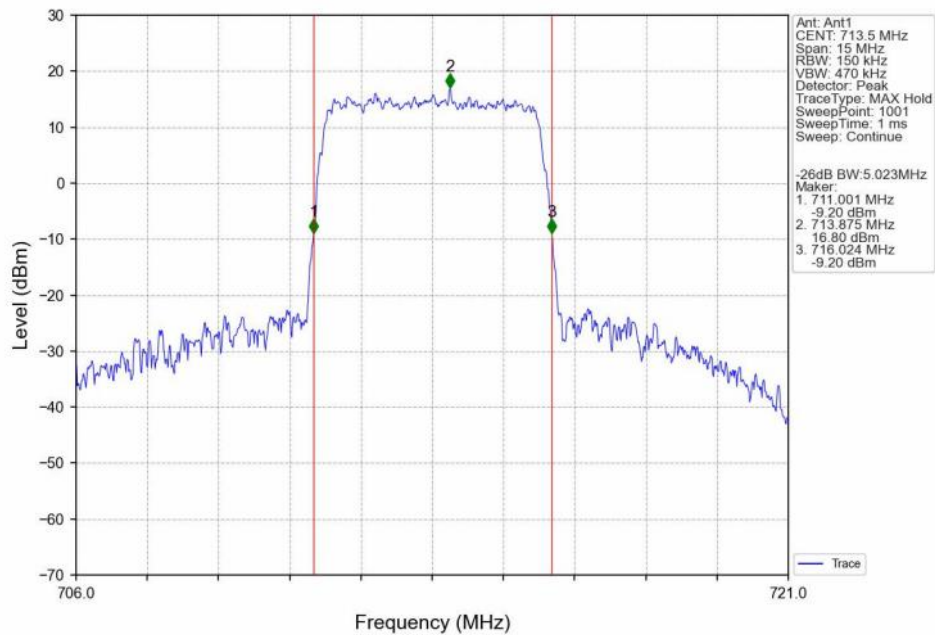
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



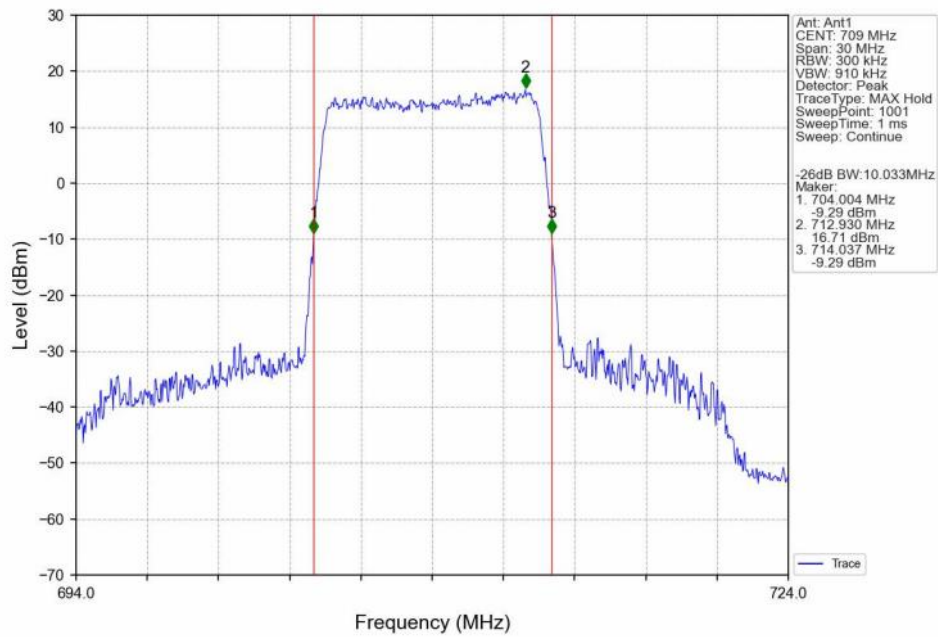
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



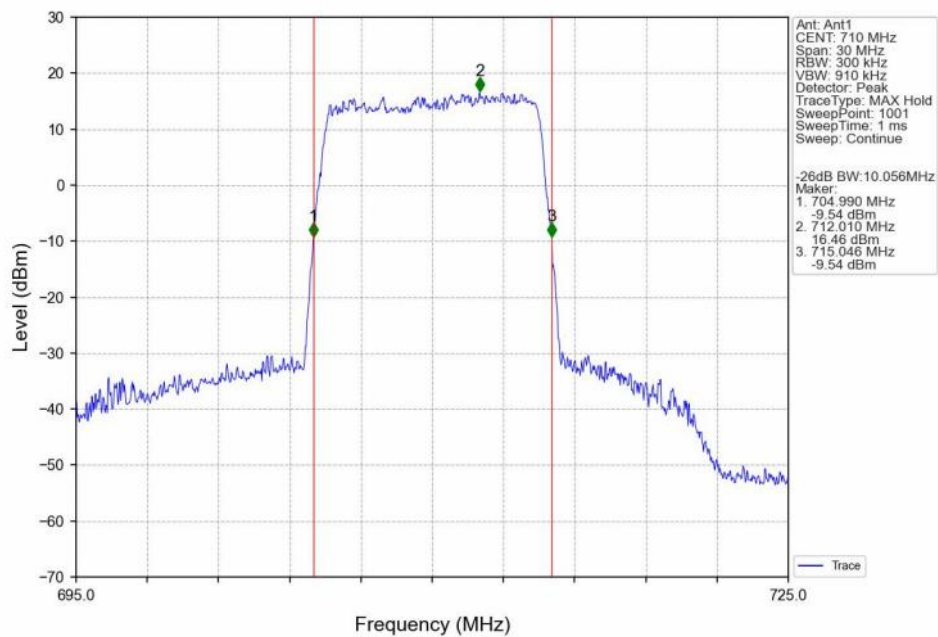
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



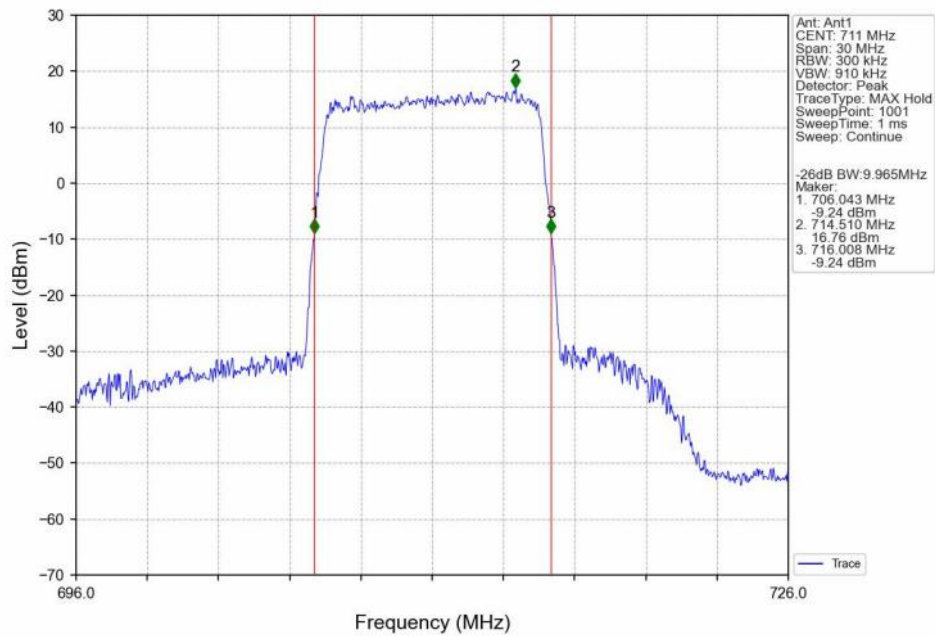
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



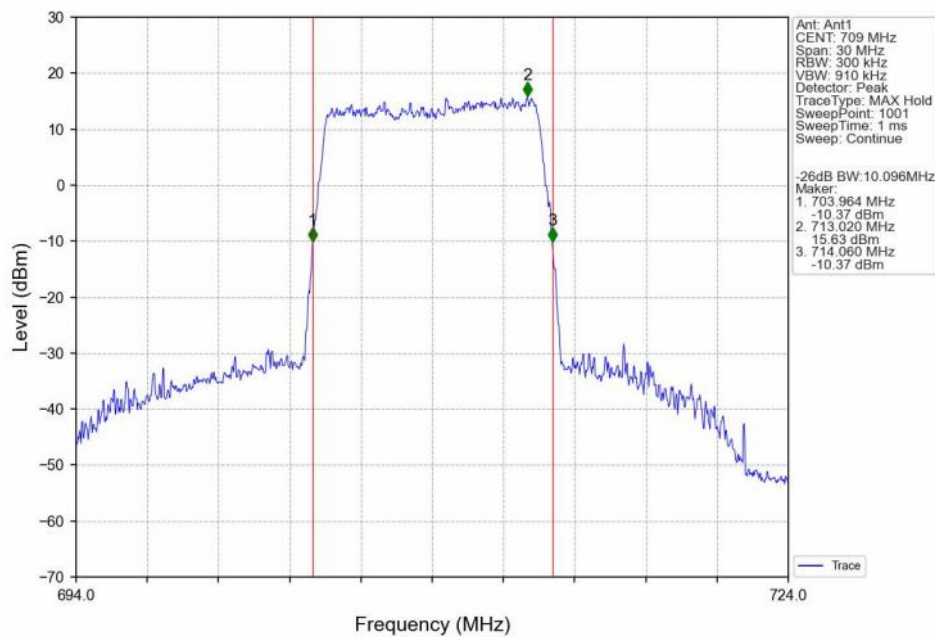
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



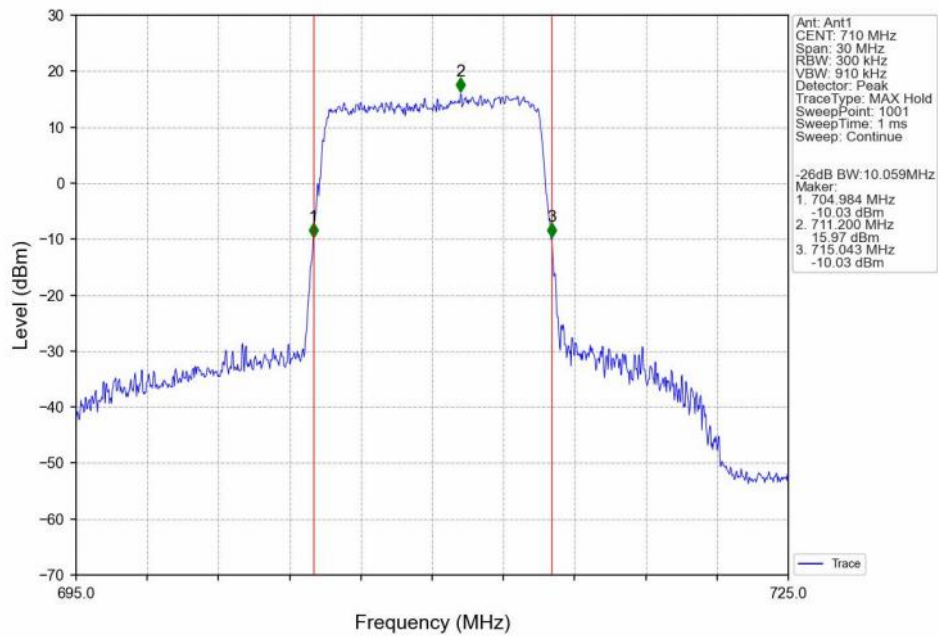
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



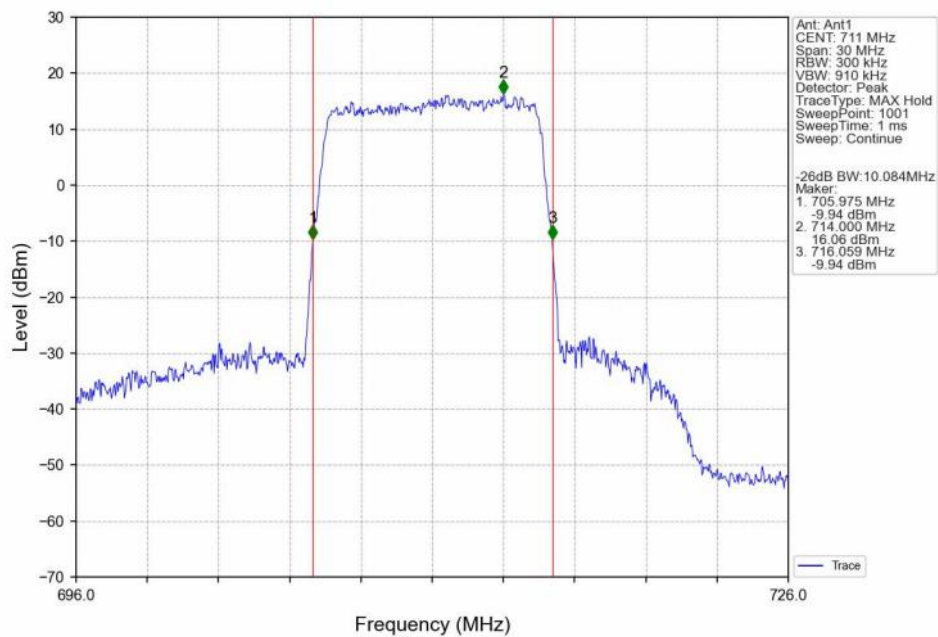
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

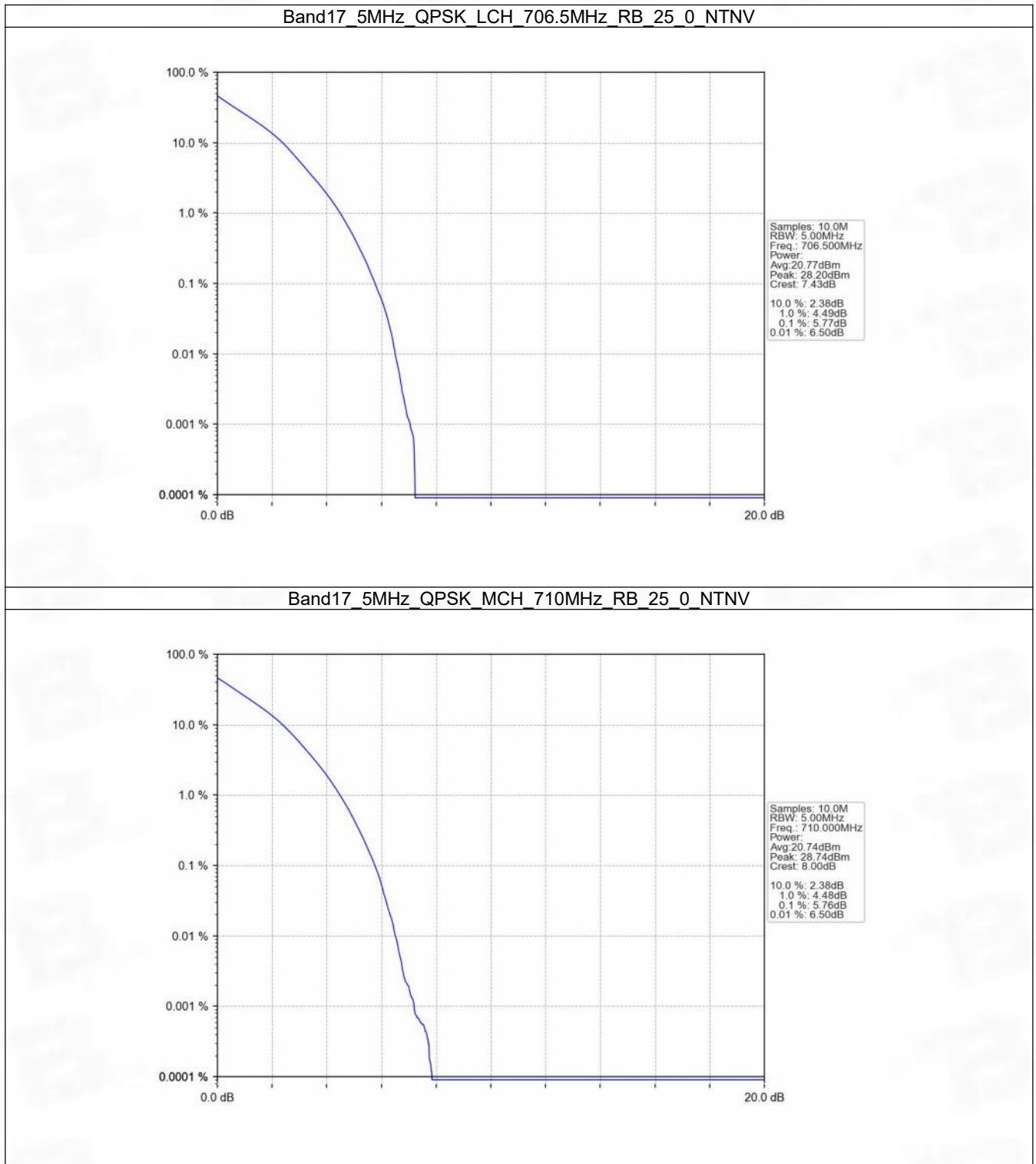
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.77	≤ 13	Pass
	710	25	0	5.76	≤ 13	Pass
	713.5	25	0	5.58	≤ 13	Pass
16QAM	706.5	25	0	6.56	≤ 13	Pass
	710	25	0	6.42	≤ 13	Pass
	713.5	25	0	6.19	≤ 13	Pass

5.1.2 B17_10MHz

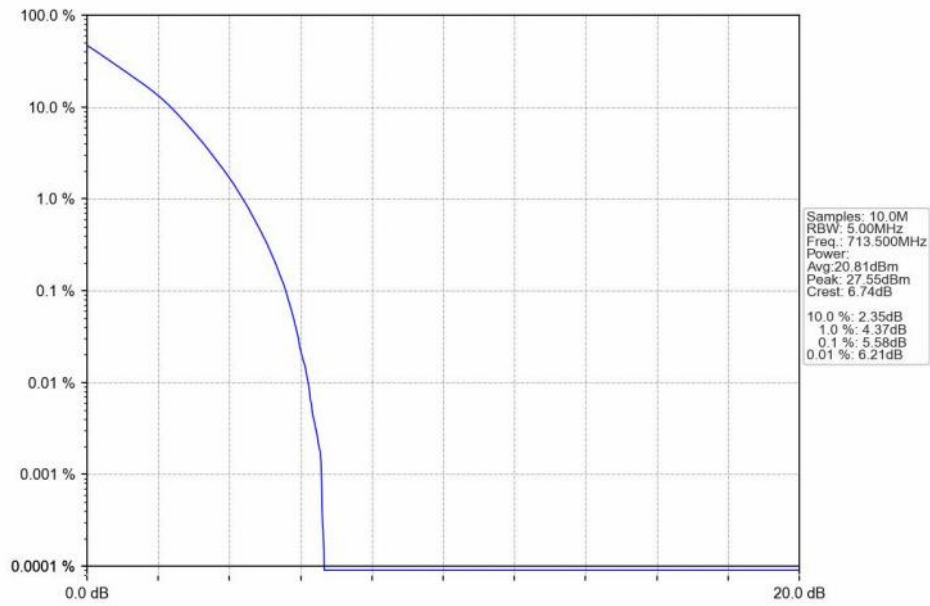
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.81	≤ 13	Pass
	710	50	0	5.75	≤ 13	Pass
	711	50	0	5.68	≤ 13	Pass
16QAM	709	50	0	6.54	≤ 13	Pass
	710	50	0	6.47	≤ 13	Pass
	711	50	0	6.36	≤ 13	Pass

5.2 Test Graph

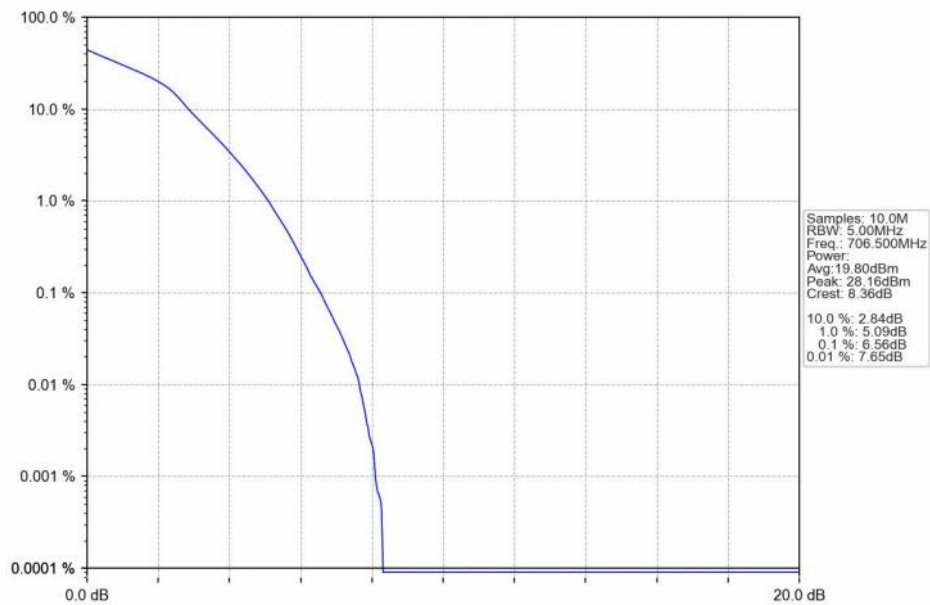
5.2.1 B17_5MHz



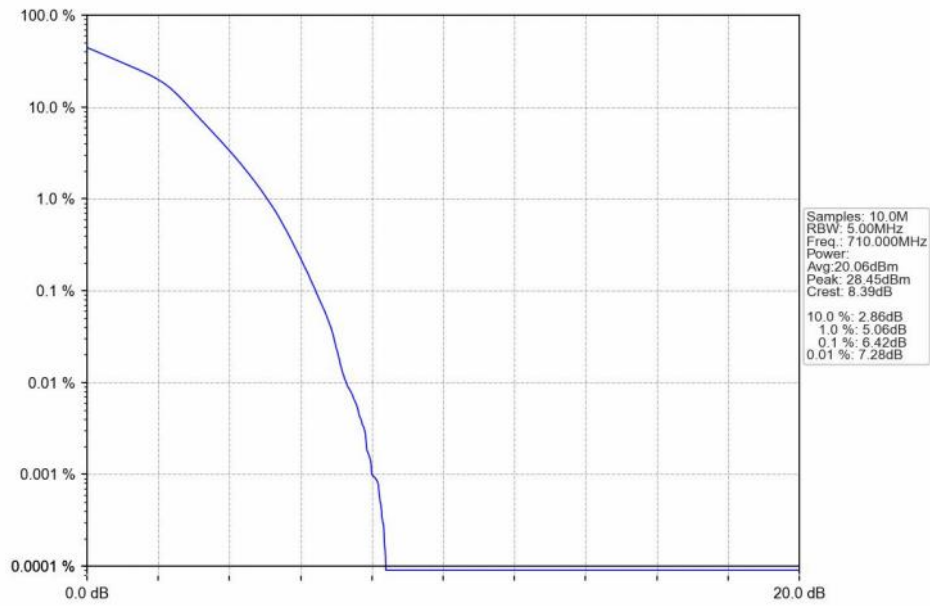
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



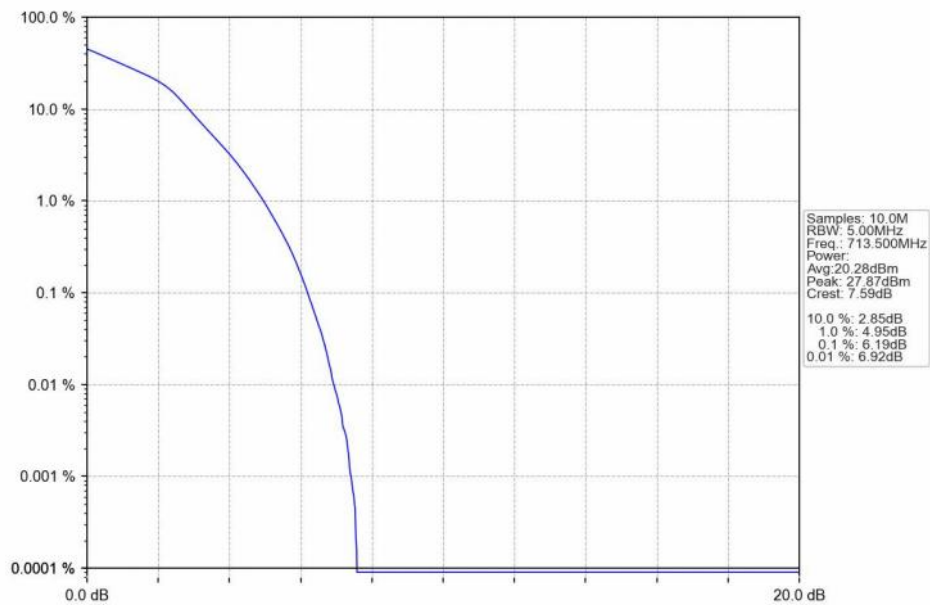
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



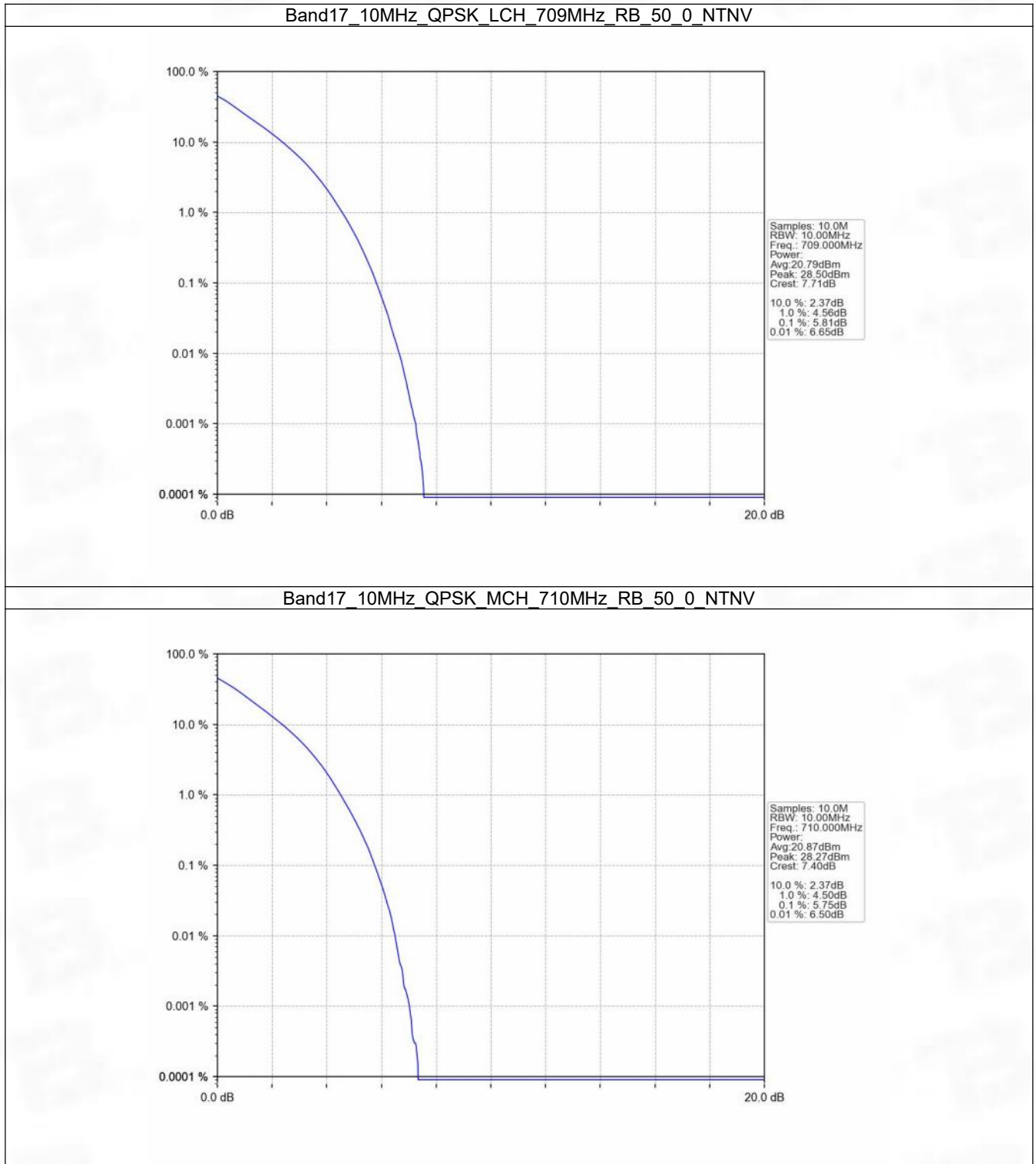
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



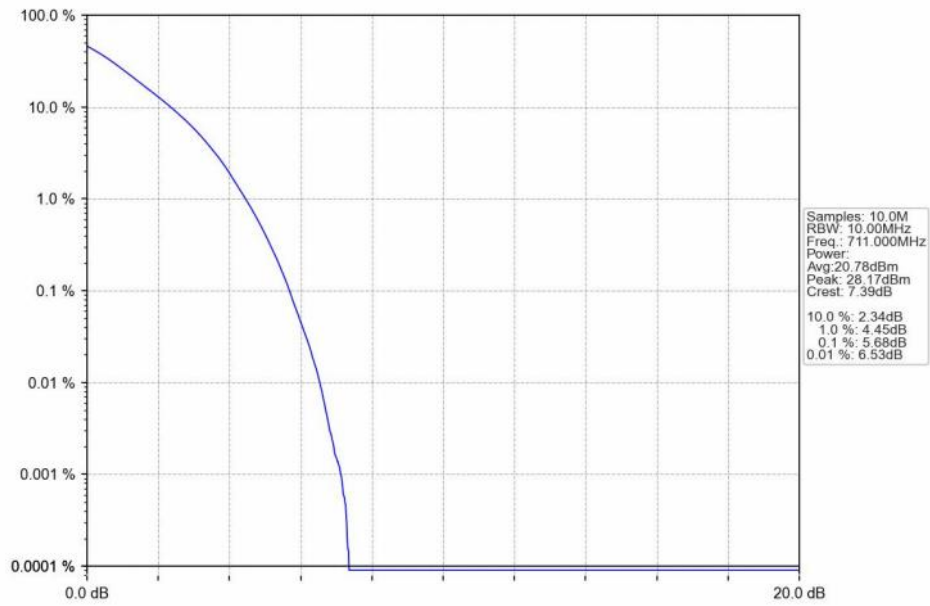
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



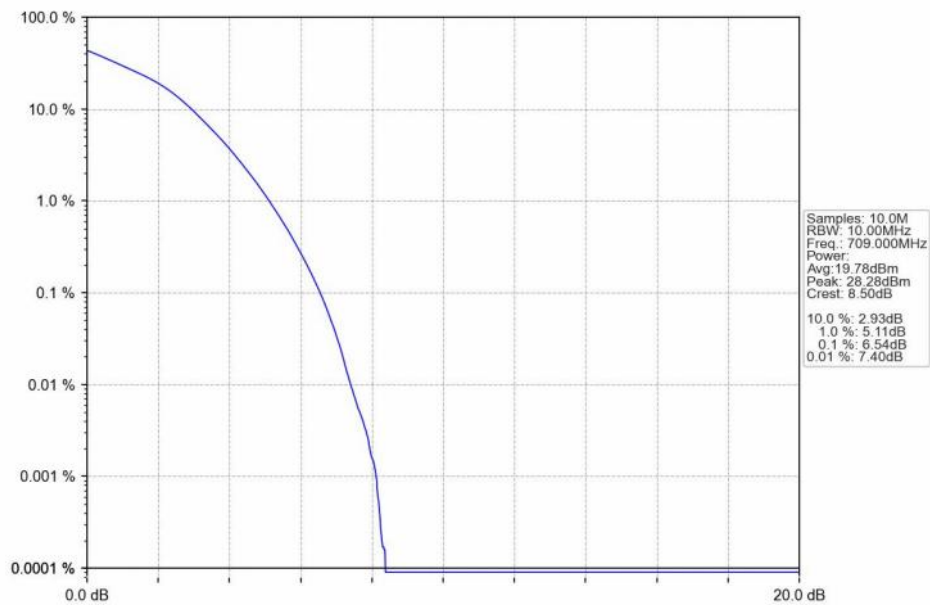
5.2.2 B17_10MHz



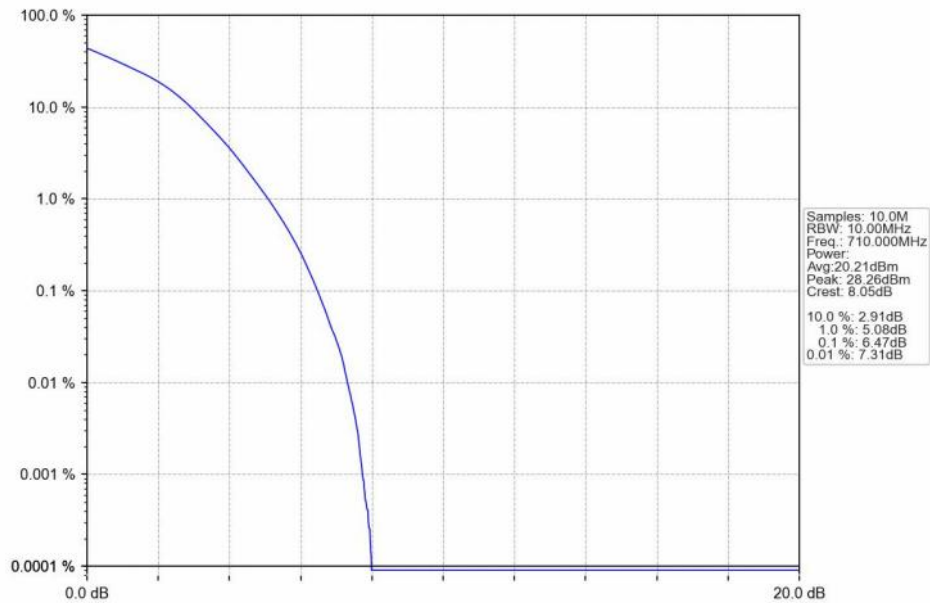
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



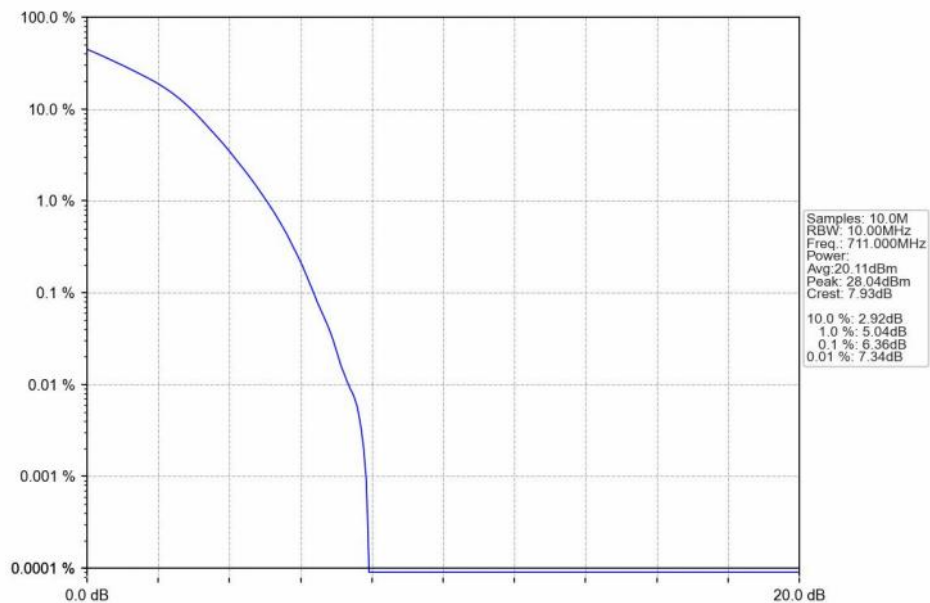
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

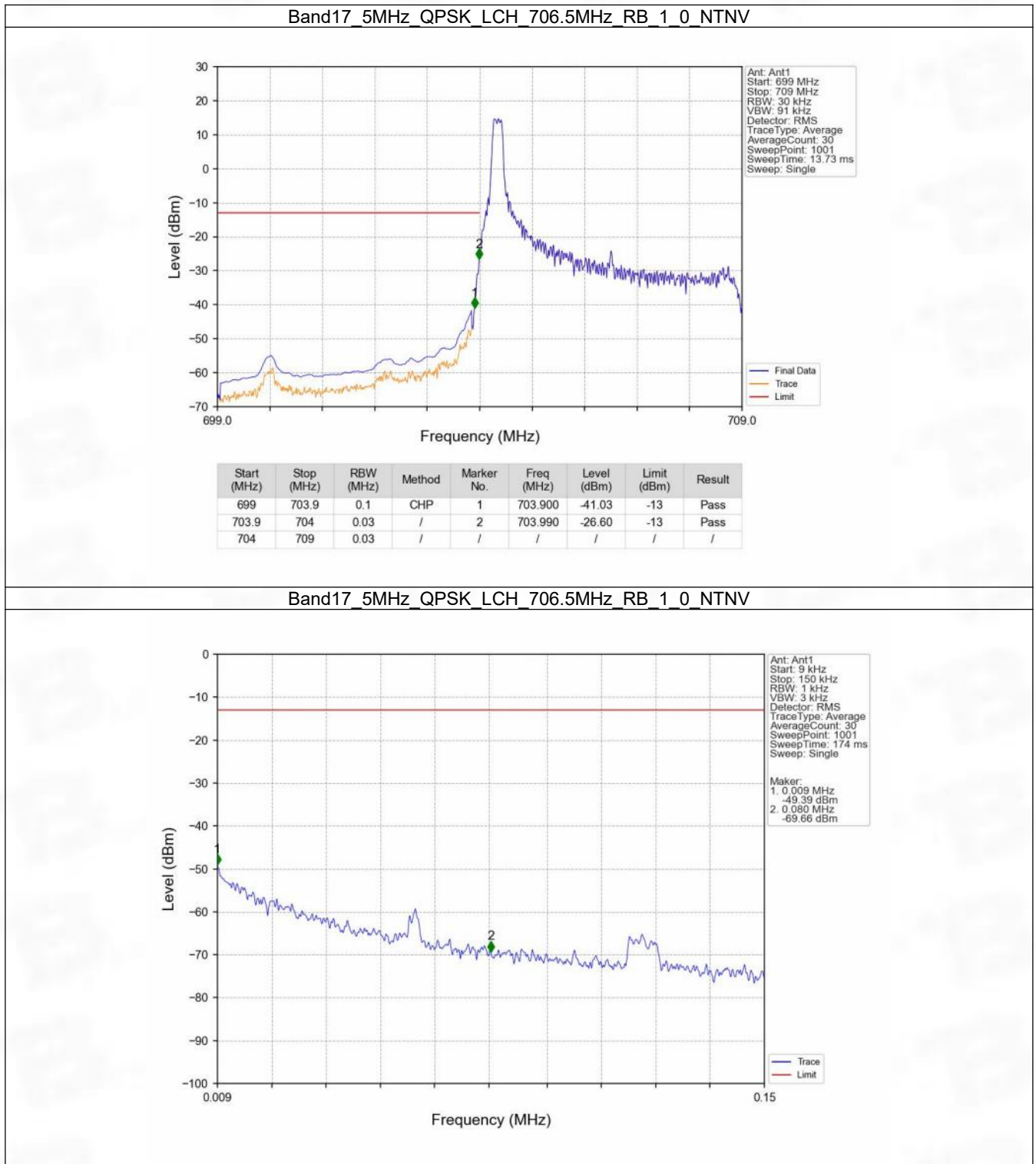
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test 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 B17_10MHz

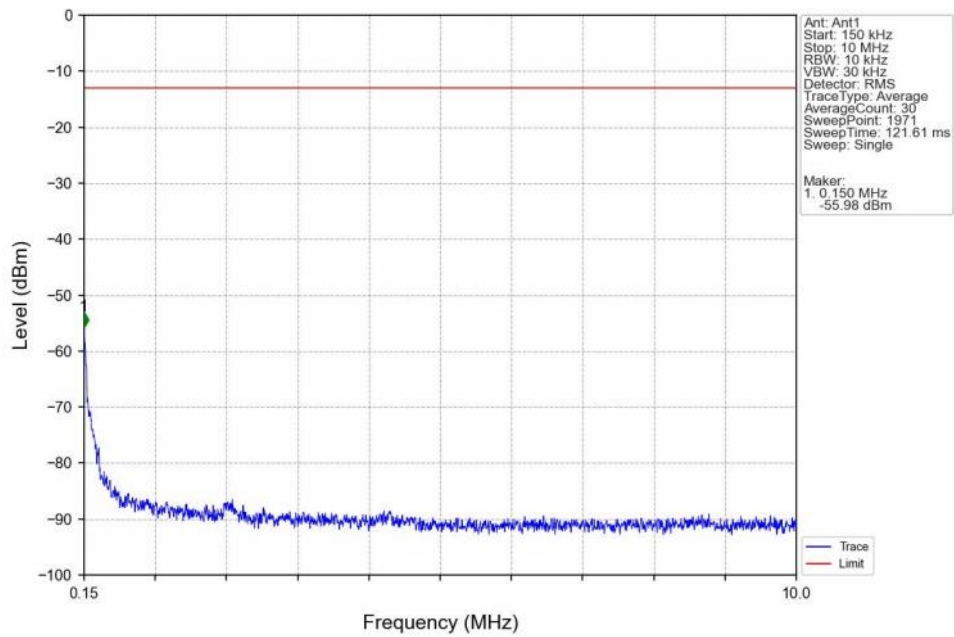
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

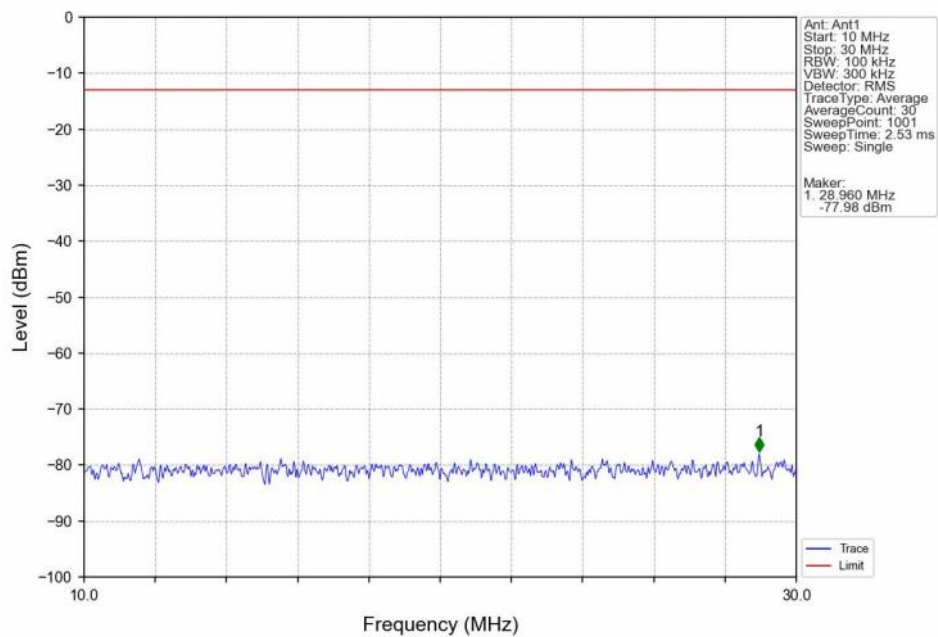
6.2.1 B17_5MHz



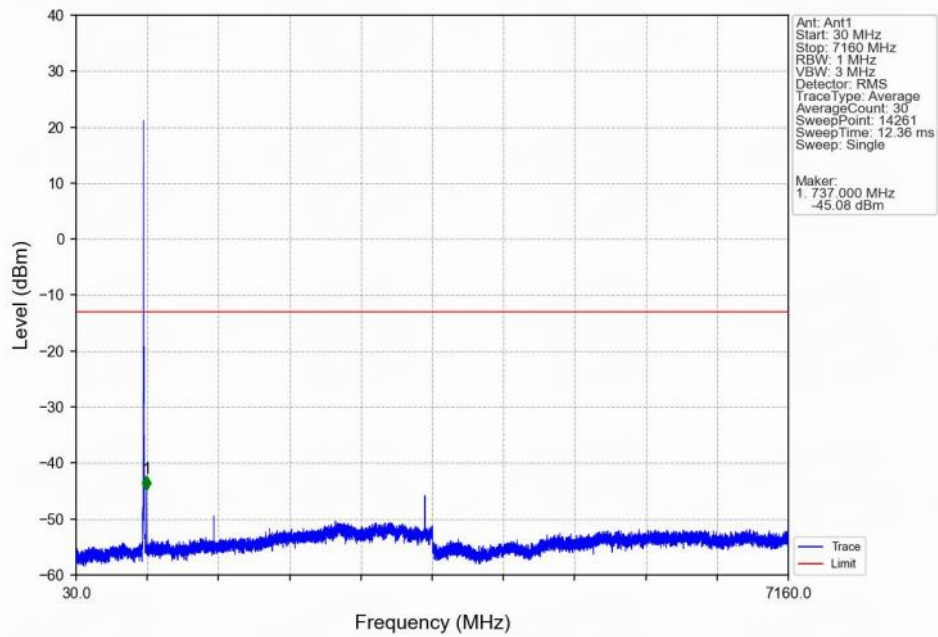
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



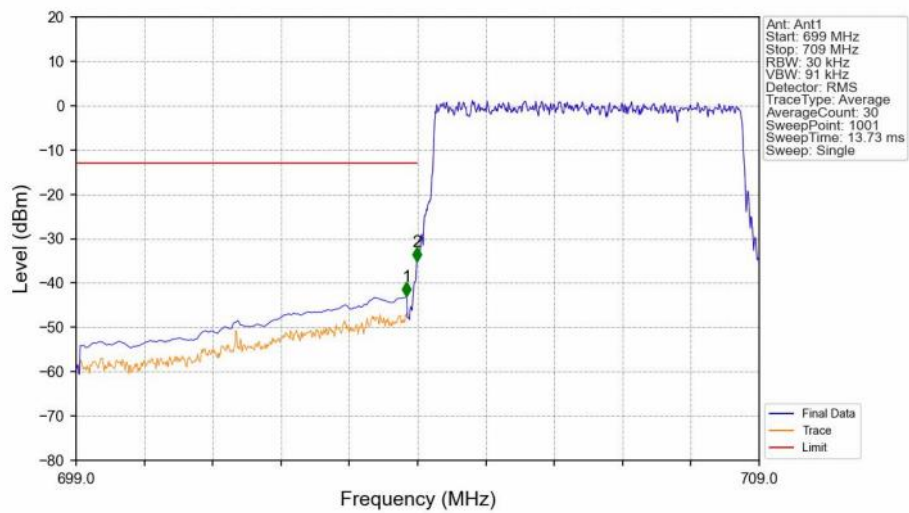
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

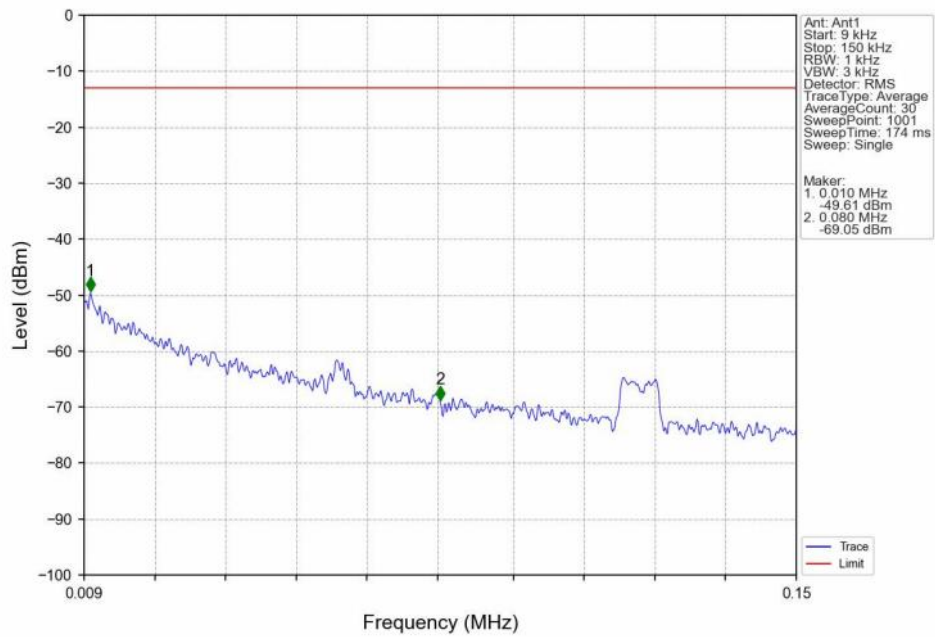


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

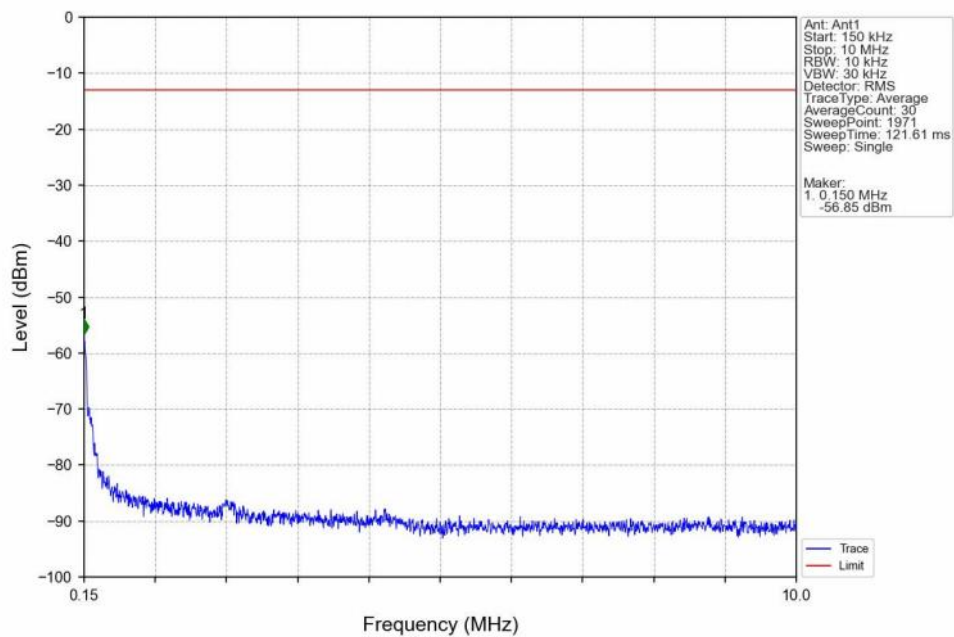


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-42.94	-13	Pass
703.9	704	0.03	/	2	703.990	-35.11	-13	Pass
704	709	0.03	/	/	/	/	/	/

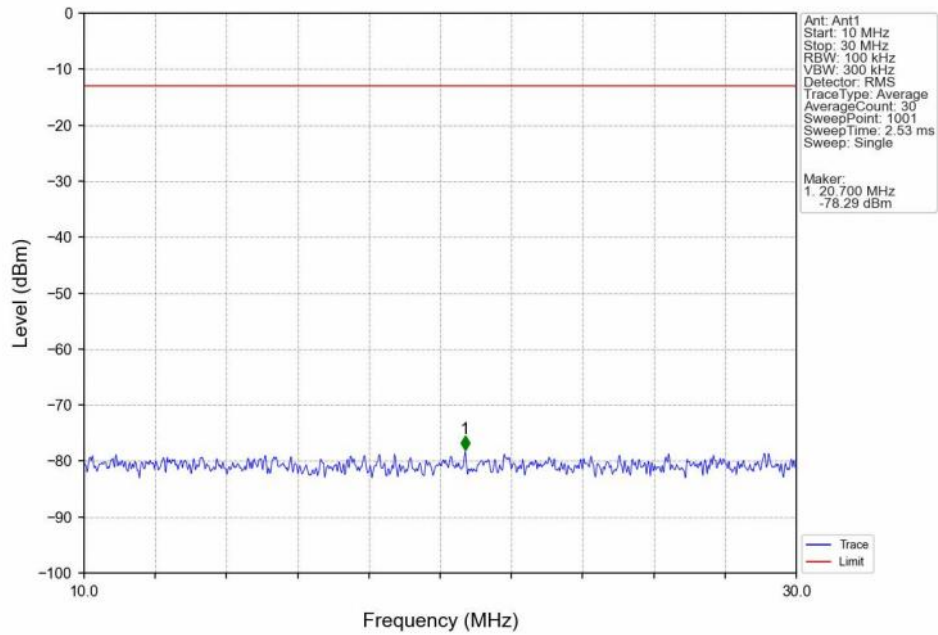
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



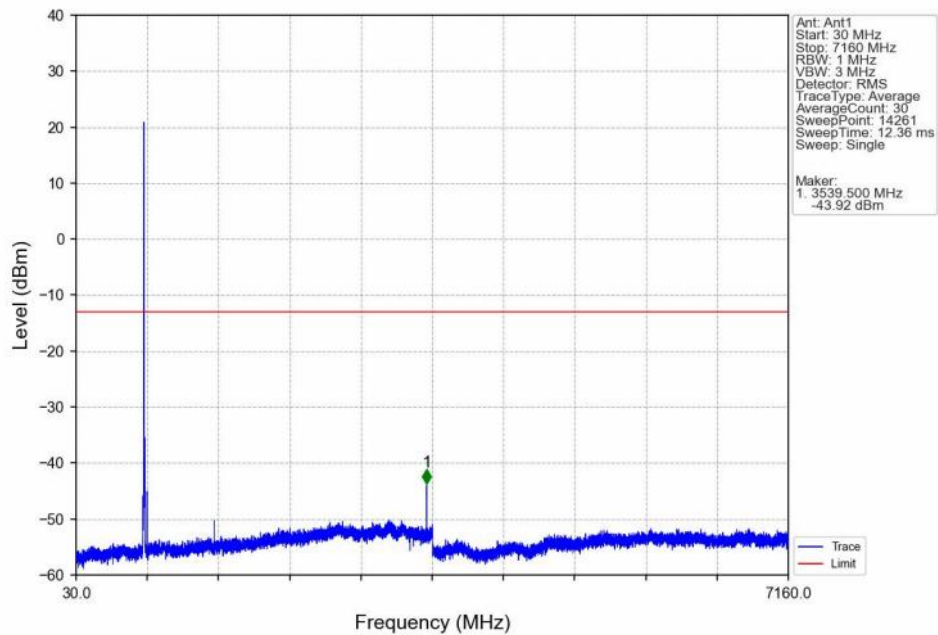
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



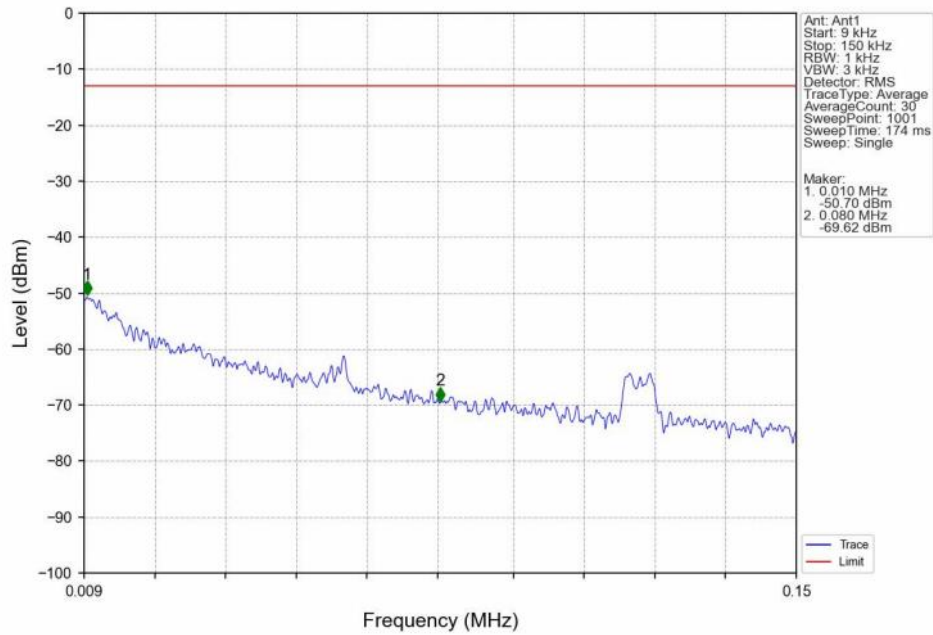
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



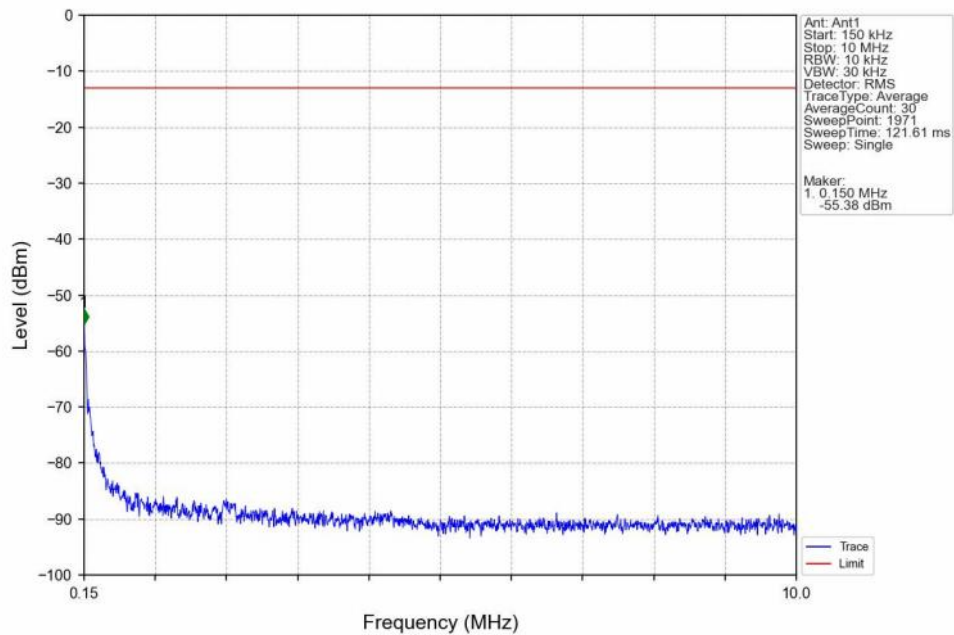
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



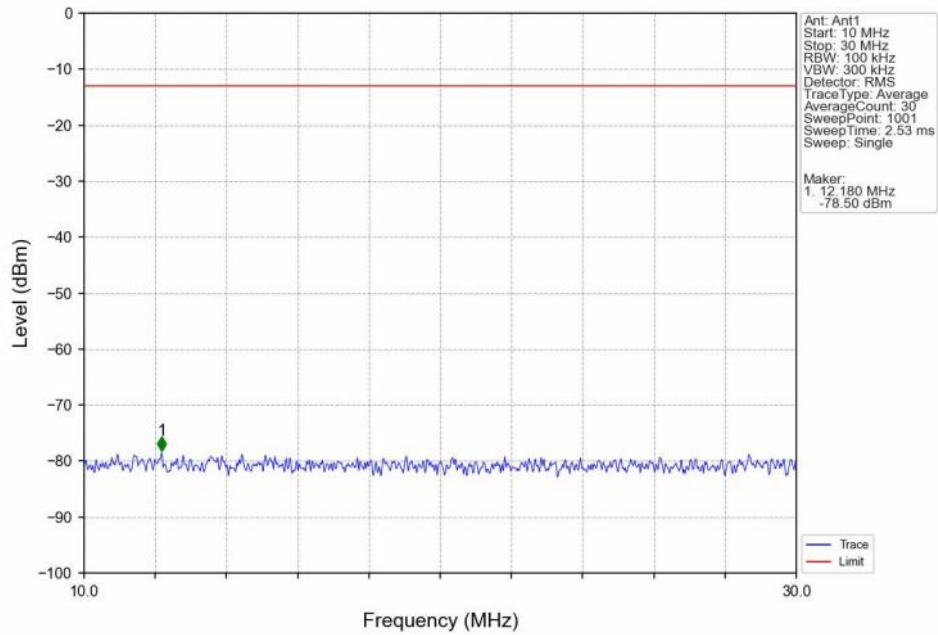
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



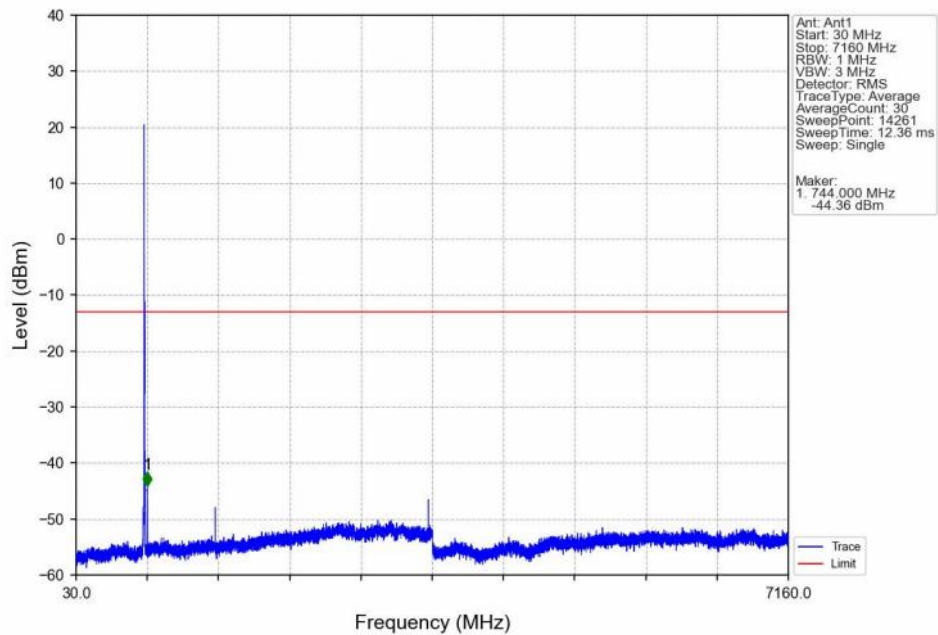
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



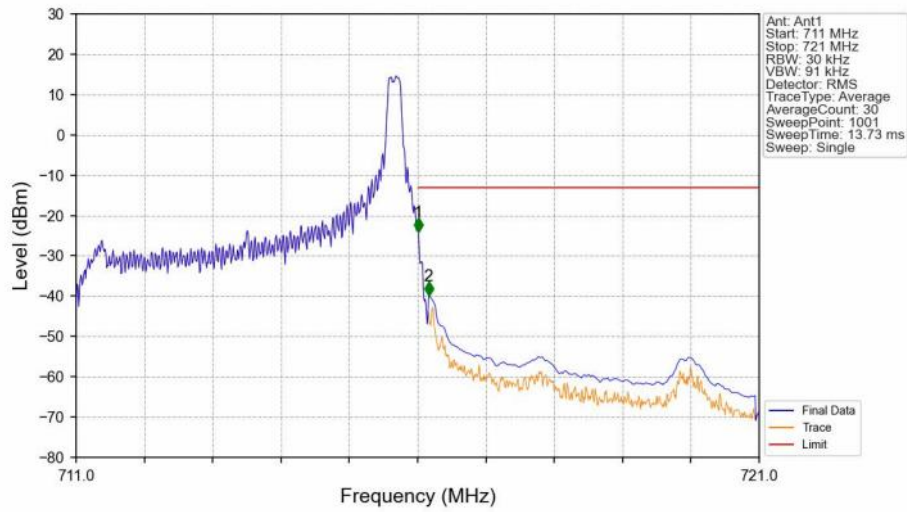
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



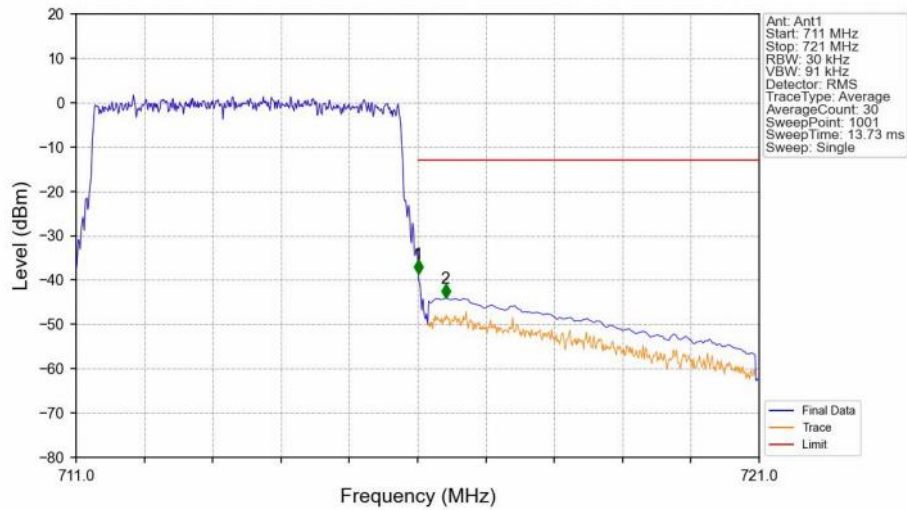
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



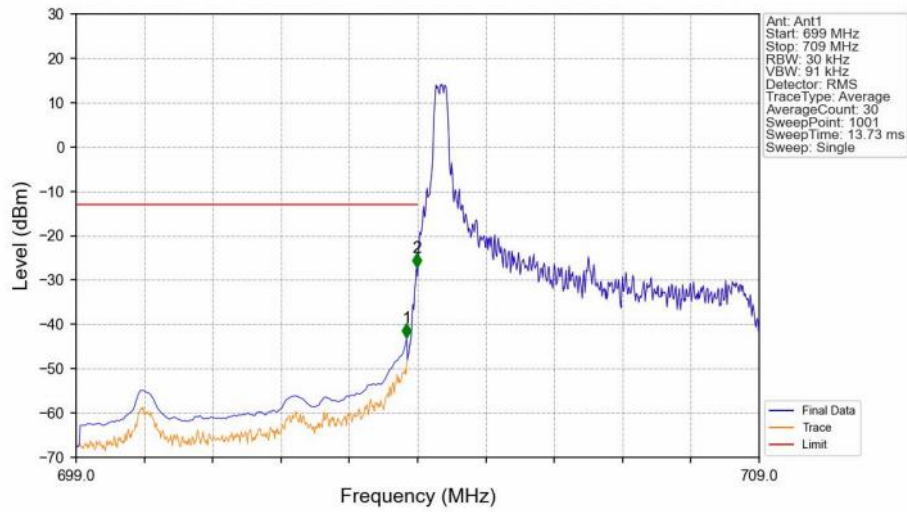
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

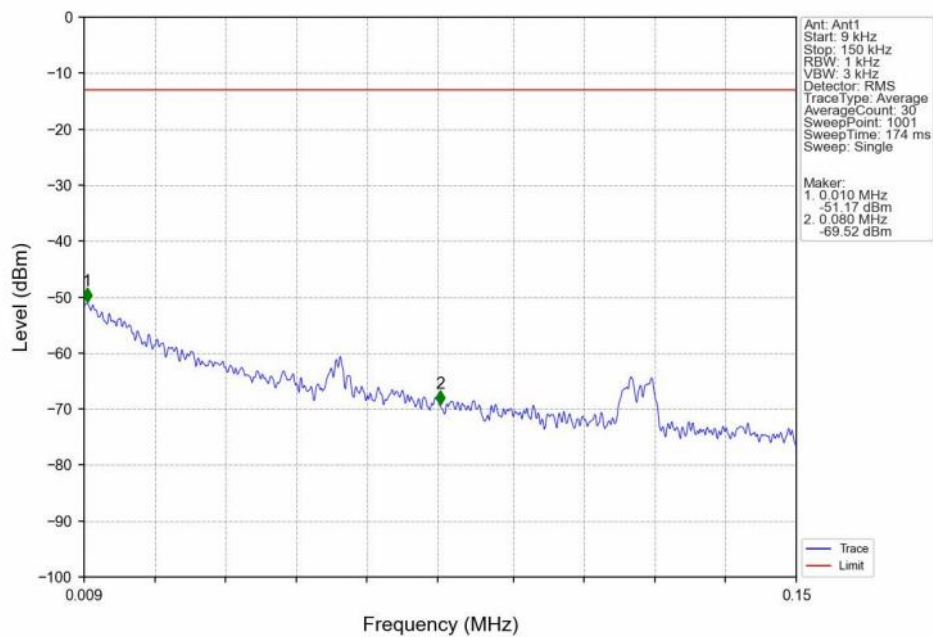


Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

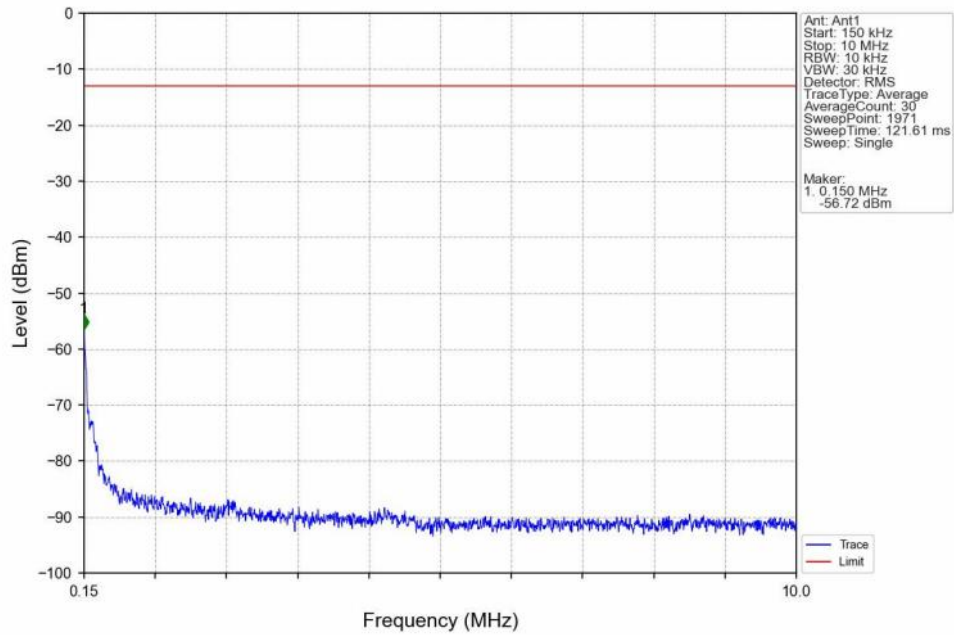


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-43.07	-13	Pass
703.9	704	0.03	/	2	703.990	-27.22	-13	Pass
704	709	0.03	/	/	/	/	/	/

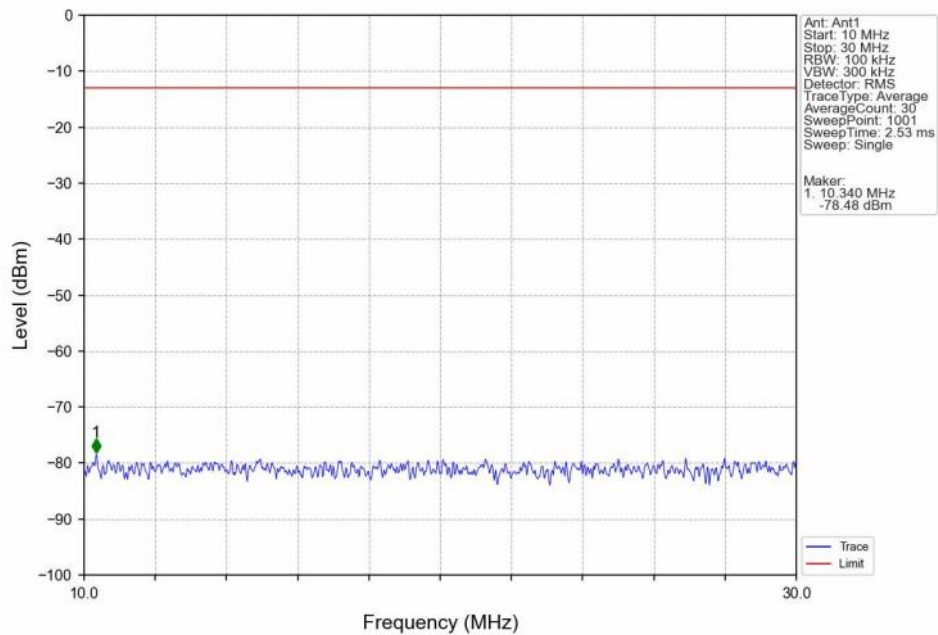
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



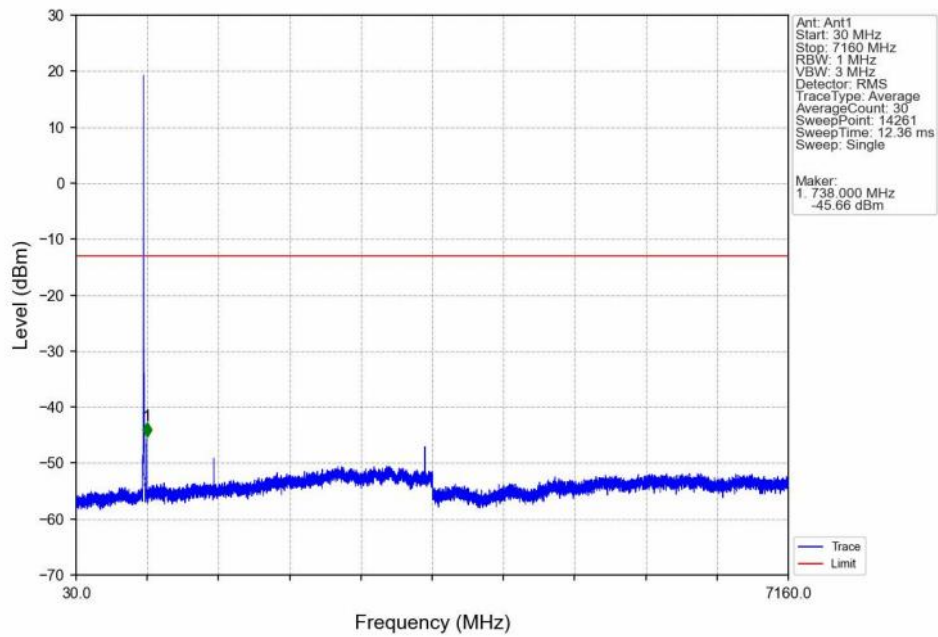
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



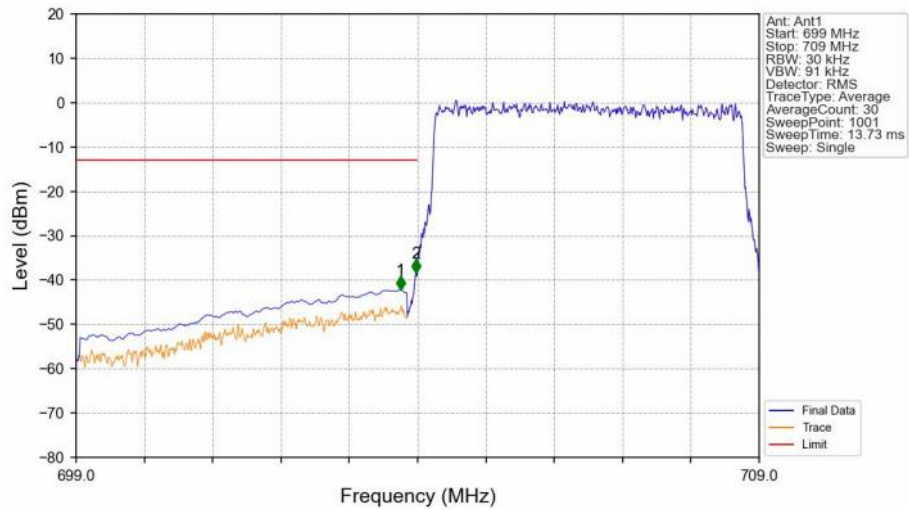
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

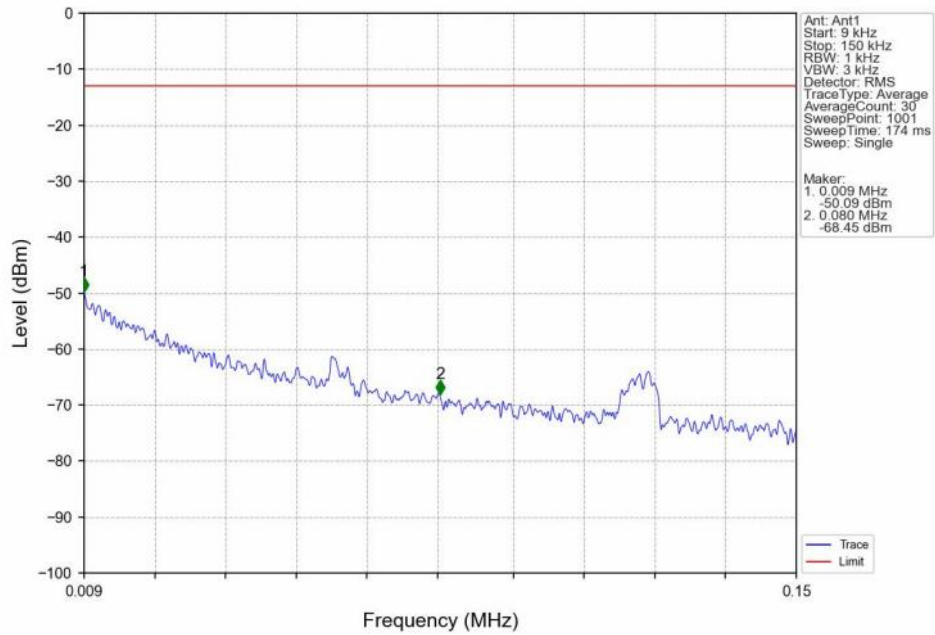


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

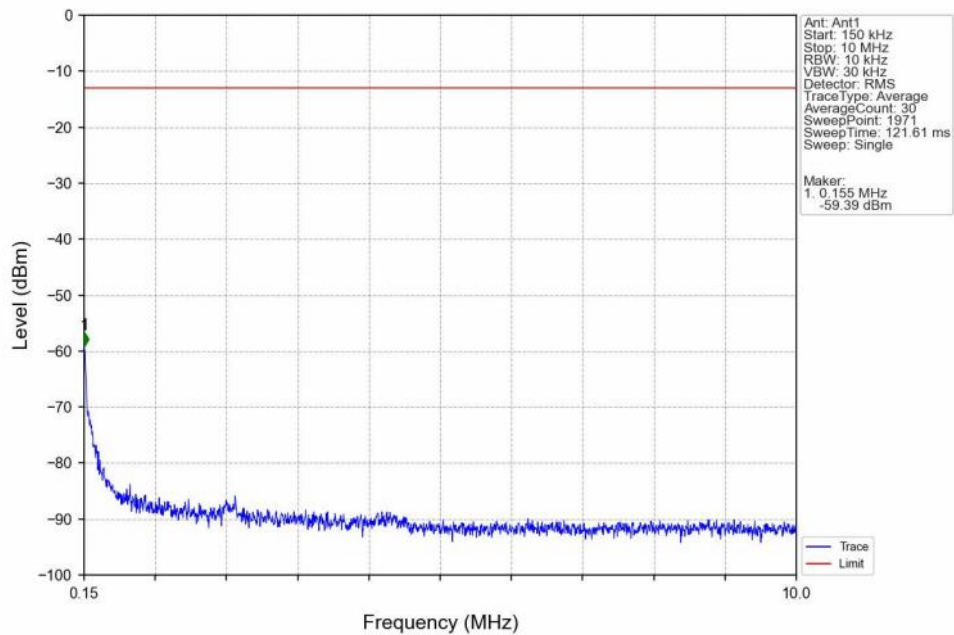


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.750	-42.20	-13	Pass
703.9	704	0.03	/	2	703.980	-38.47	-13	Pass
704	709	0.03	/	/	/	/	/	/

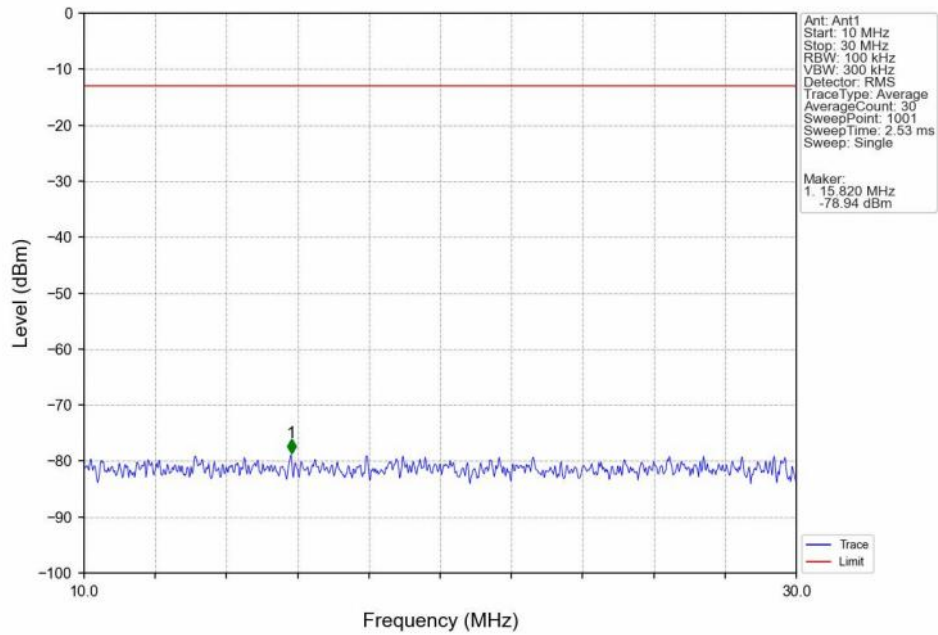
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



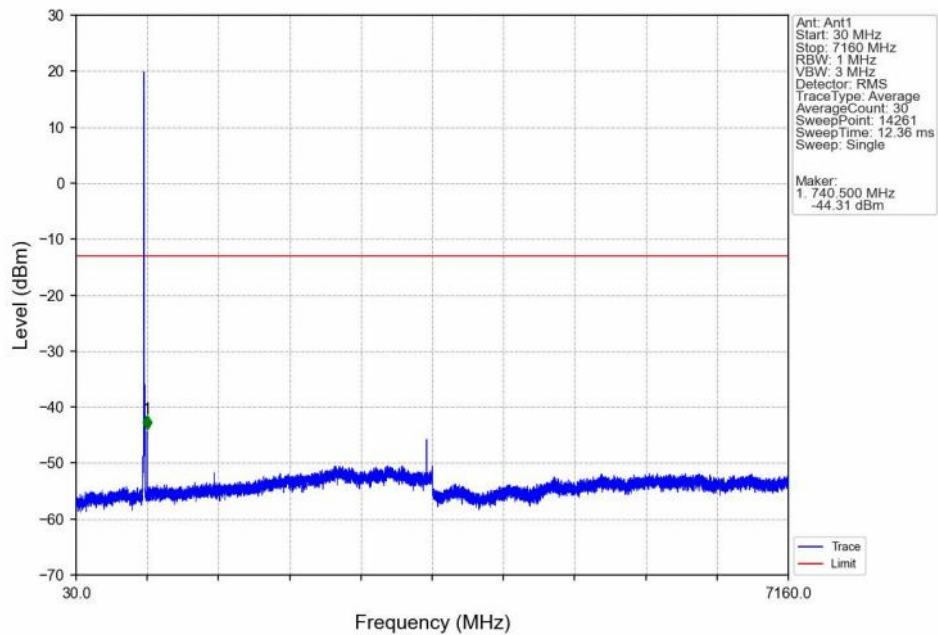
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



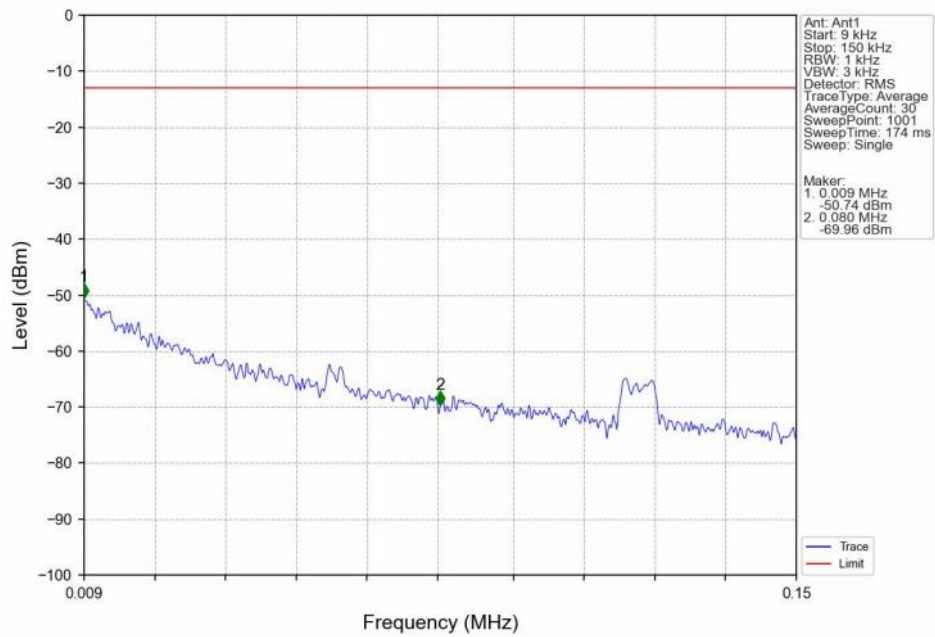
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



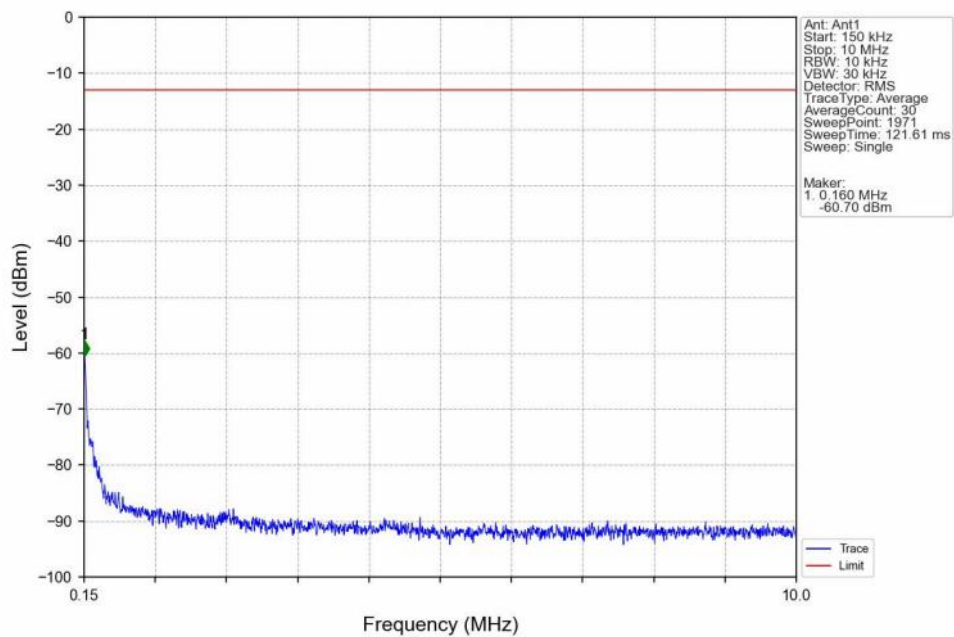
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



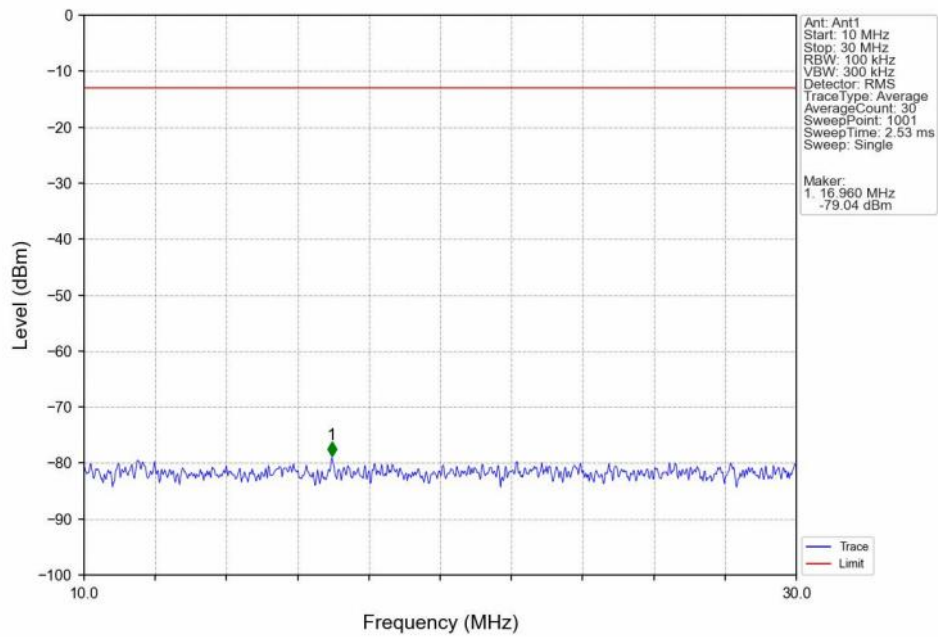
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



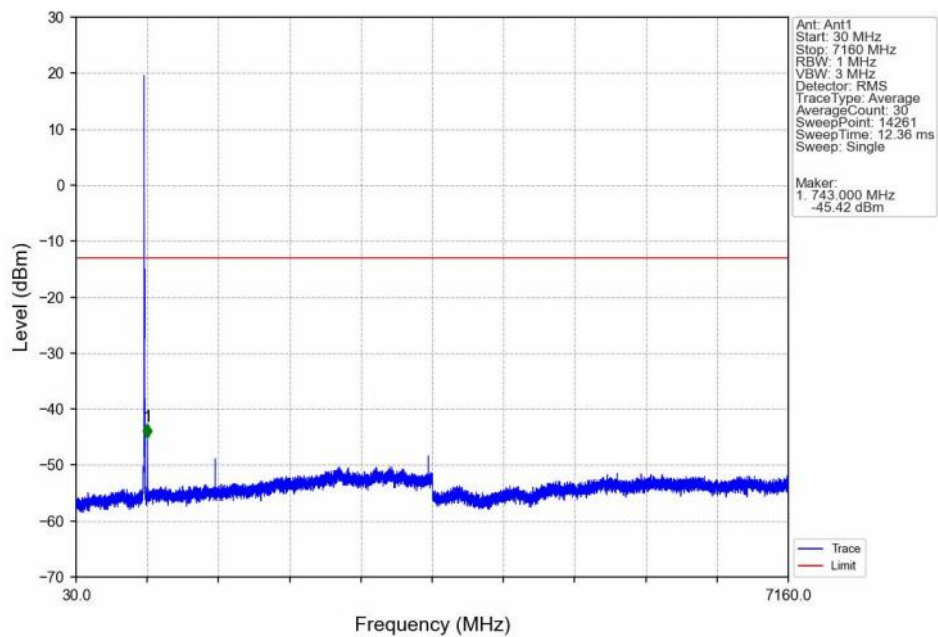
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



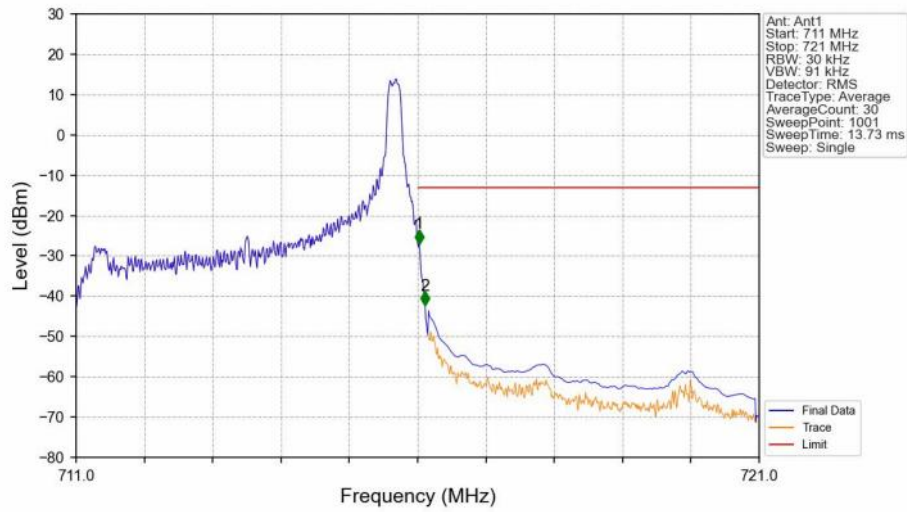
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



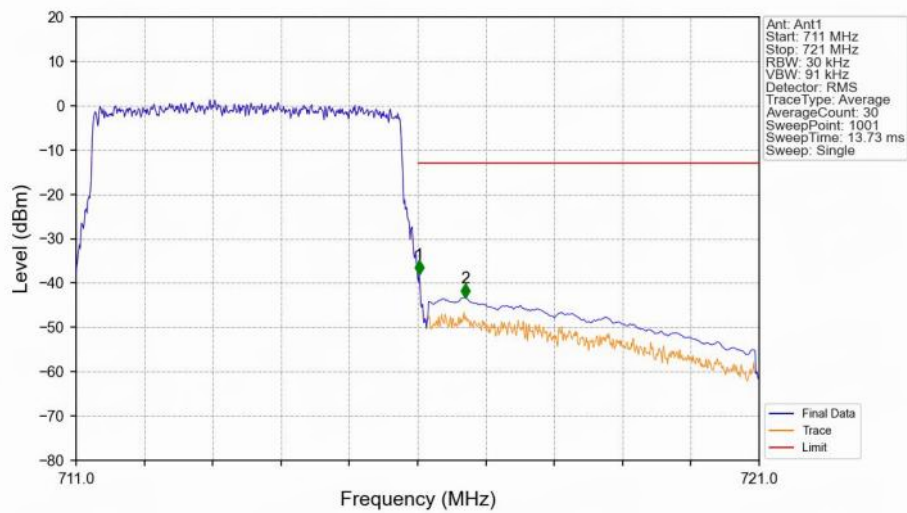
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



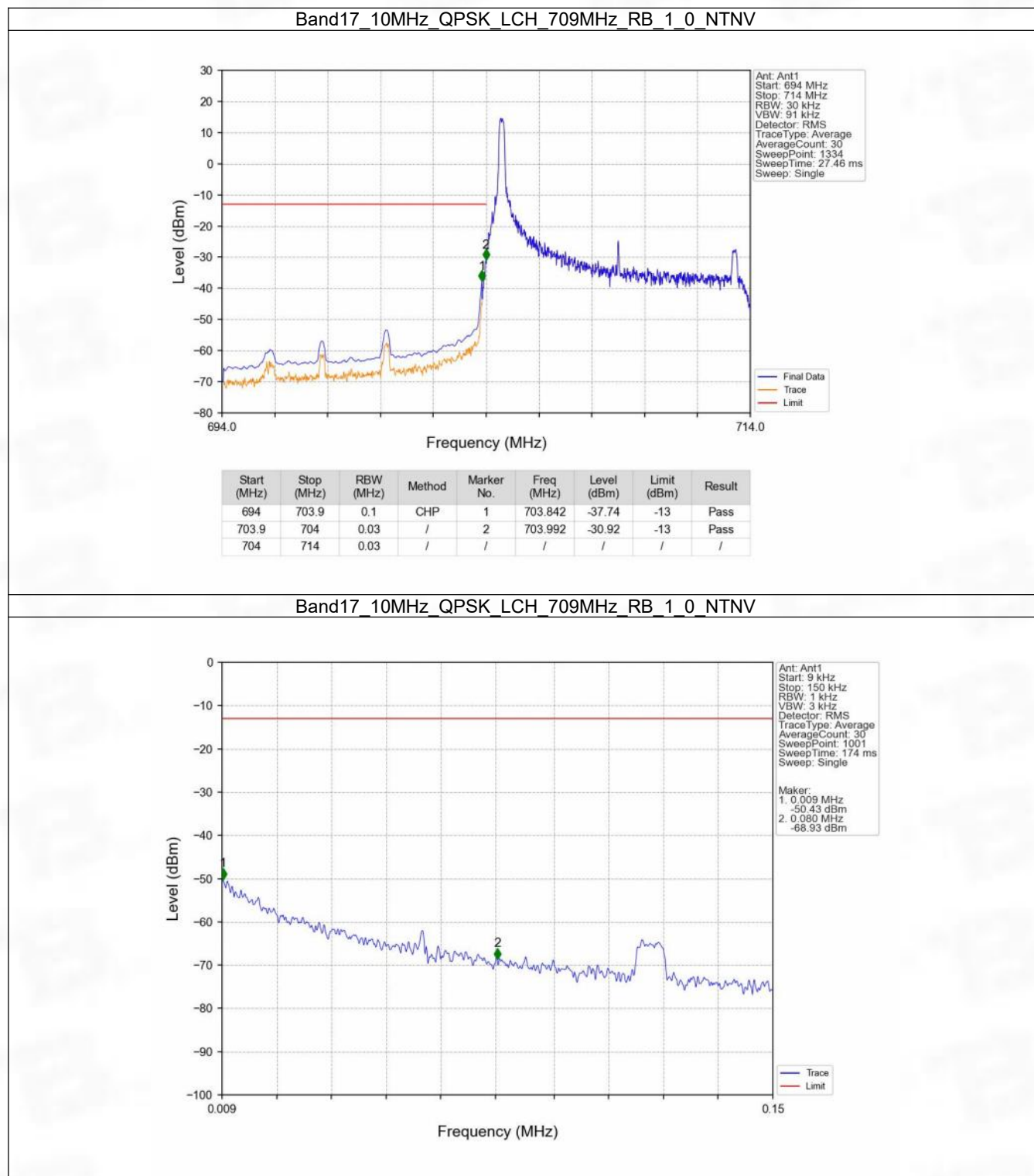
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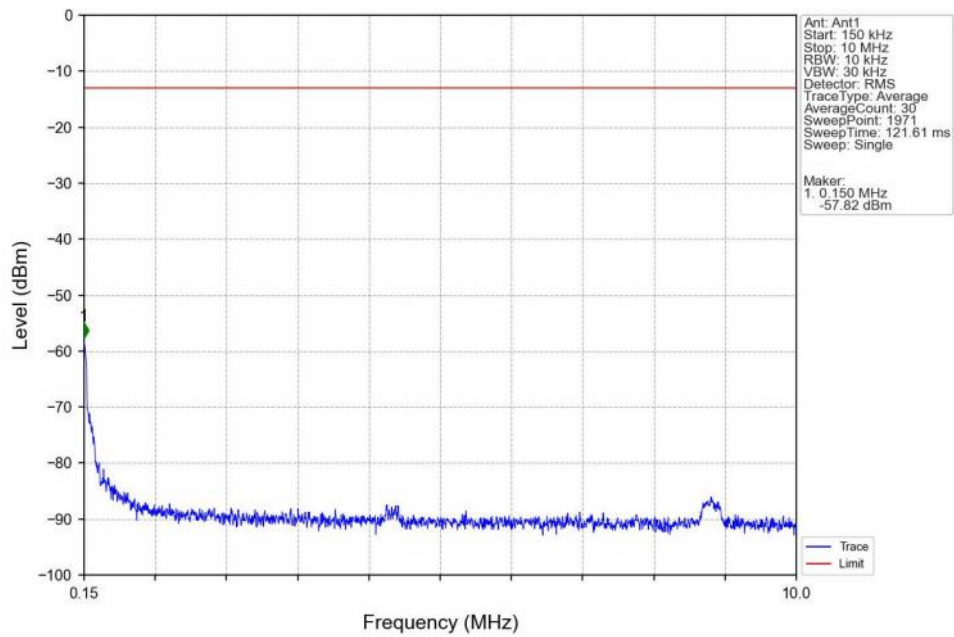
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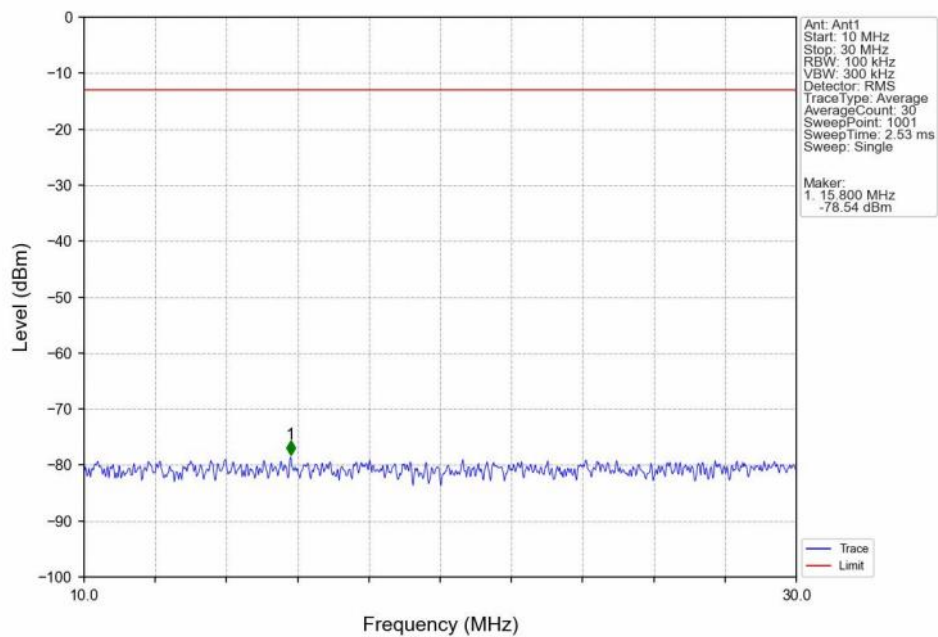
6.2.2 B17_10MHz



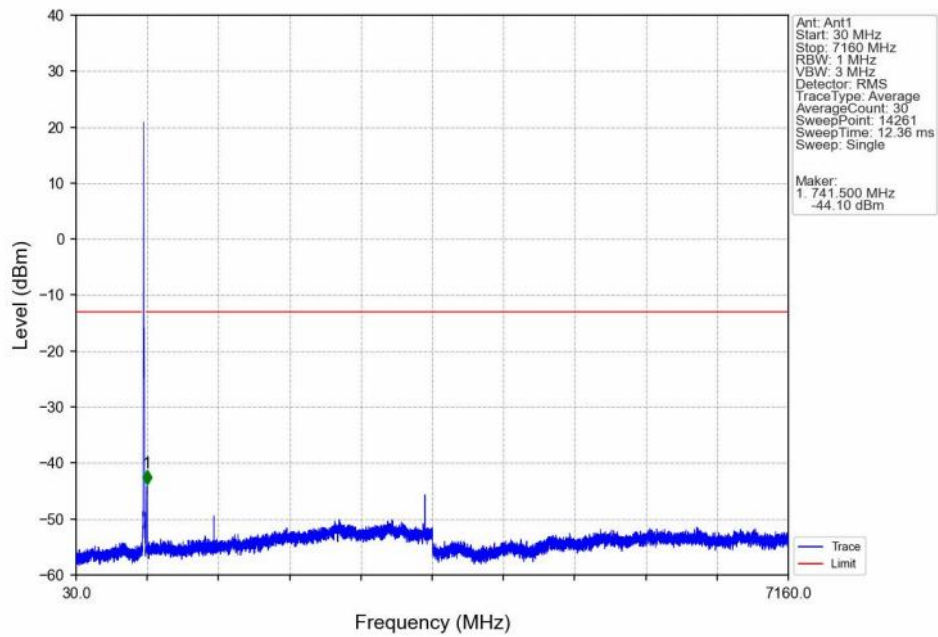
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



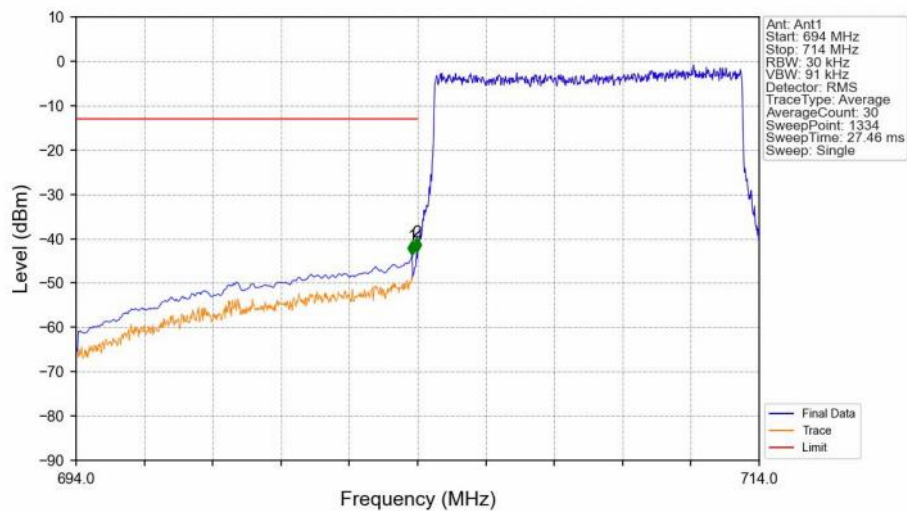
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

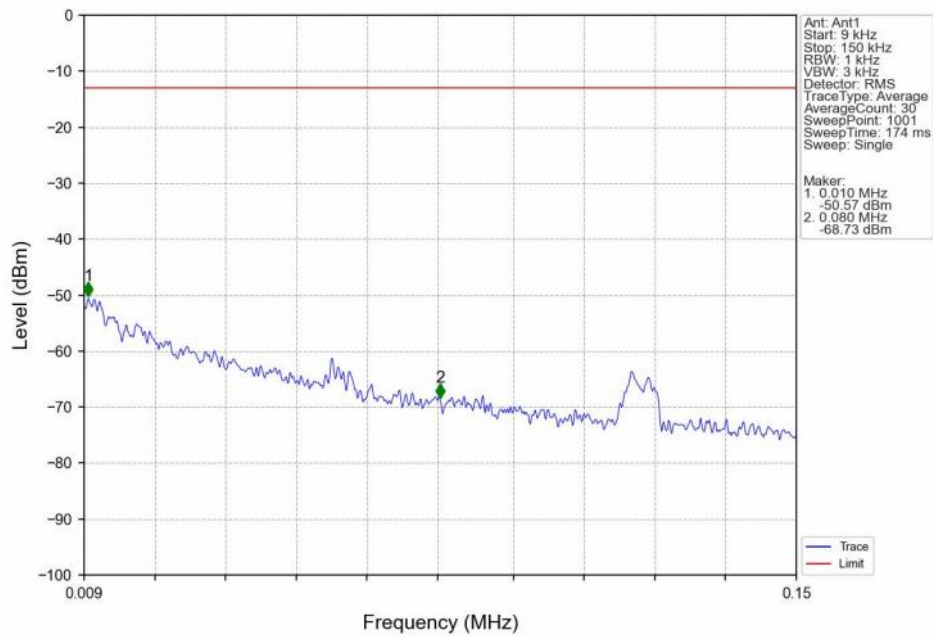


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

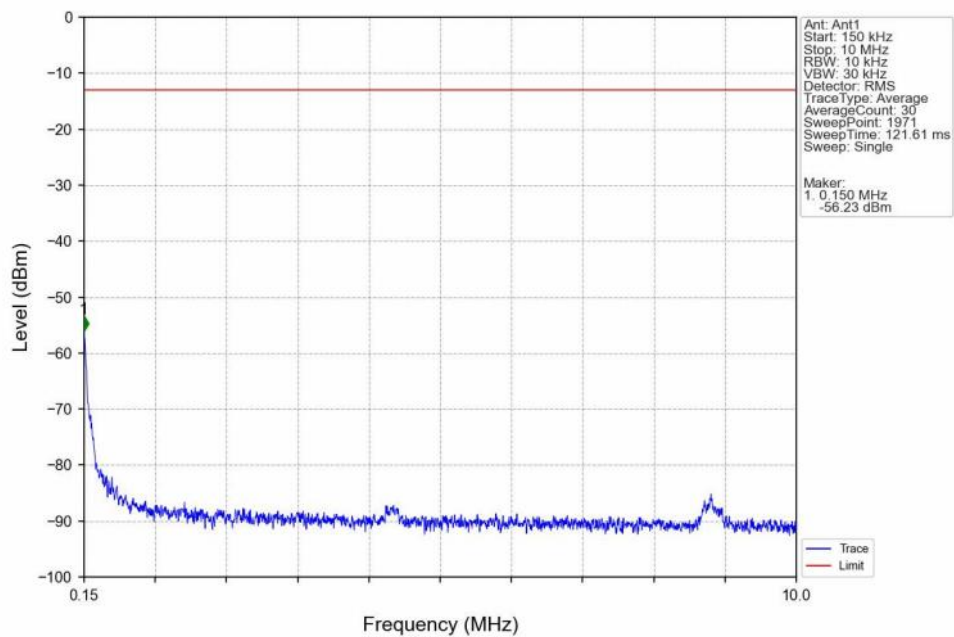


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-43.67	-13	Pass
703.9	704	0.03	/	2	703.977	-42.98	-13	Pass
704	714	0.03	/	/	/	/	/	/

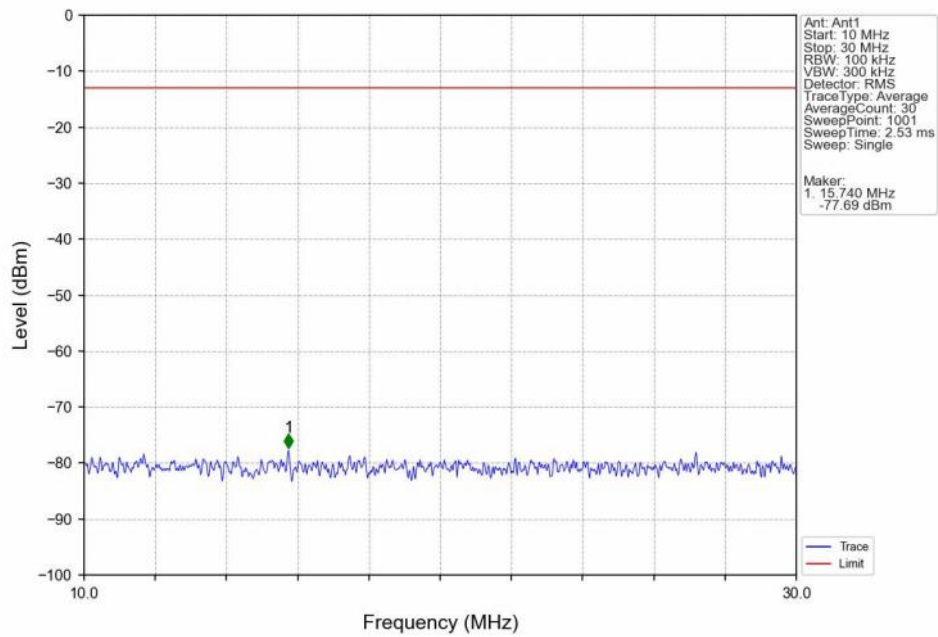
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



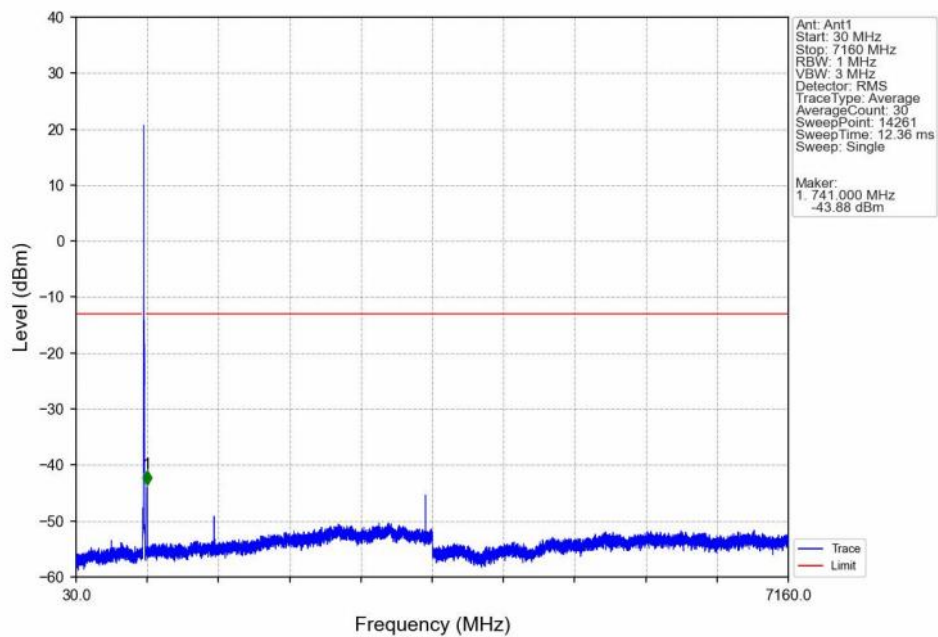
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



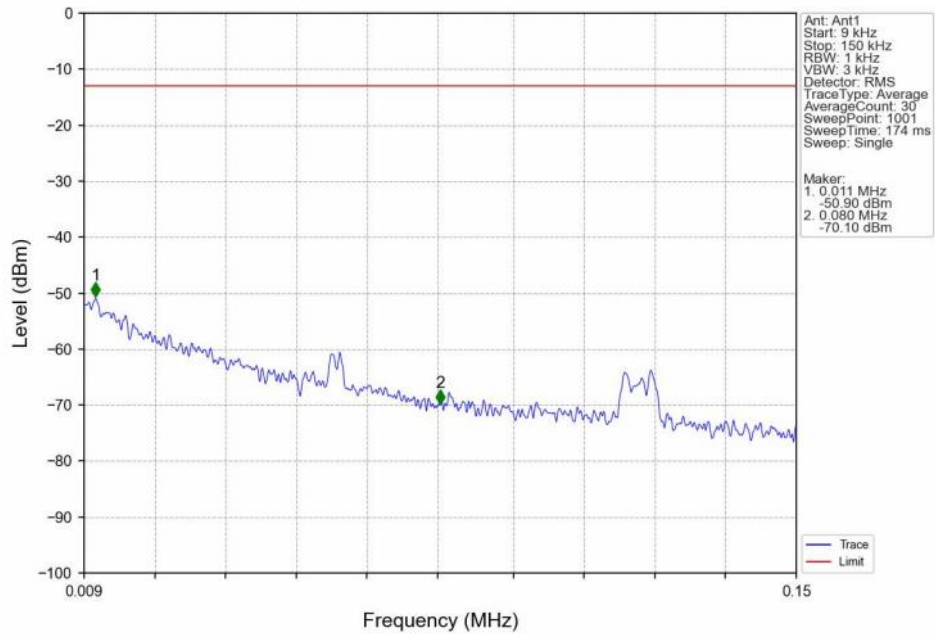
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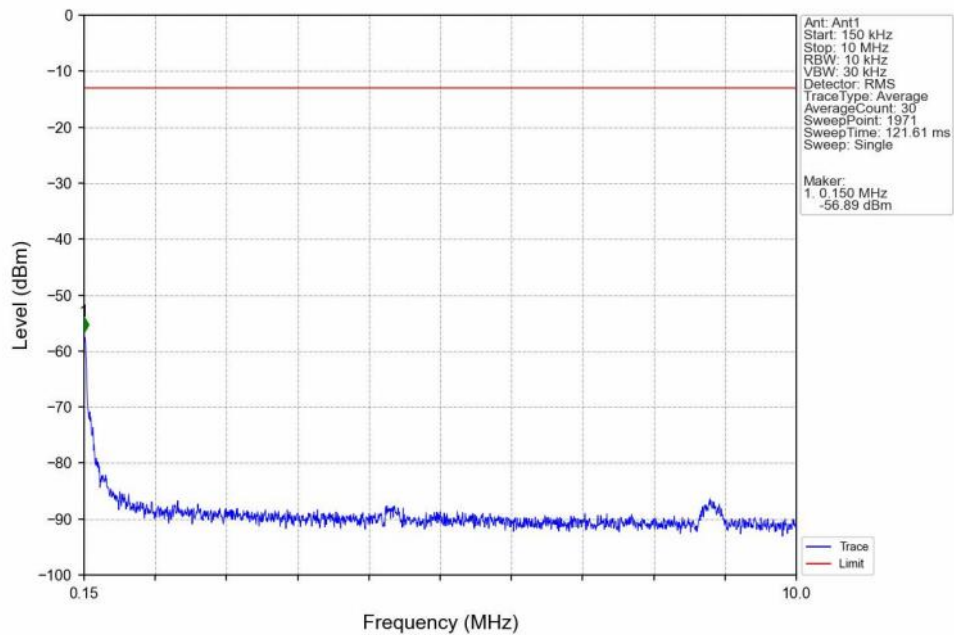
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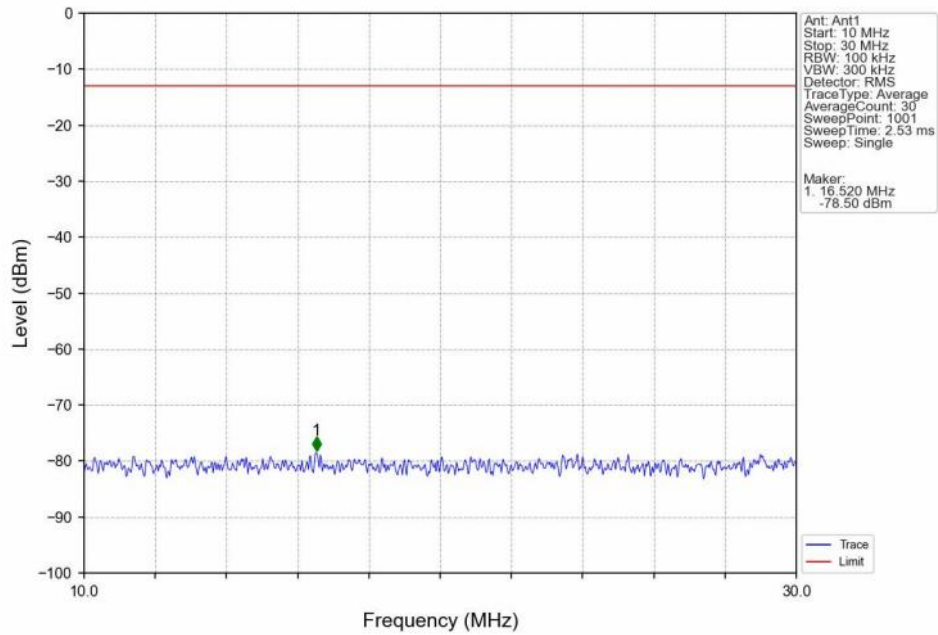
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



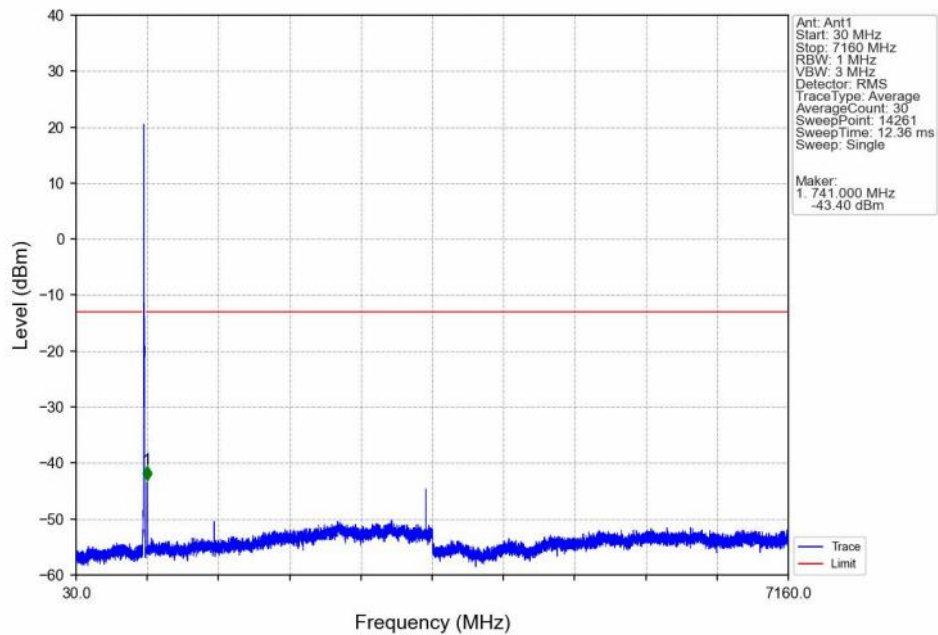
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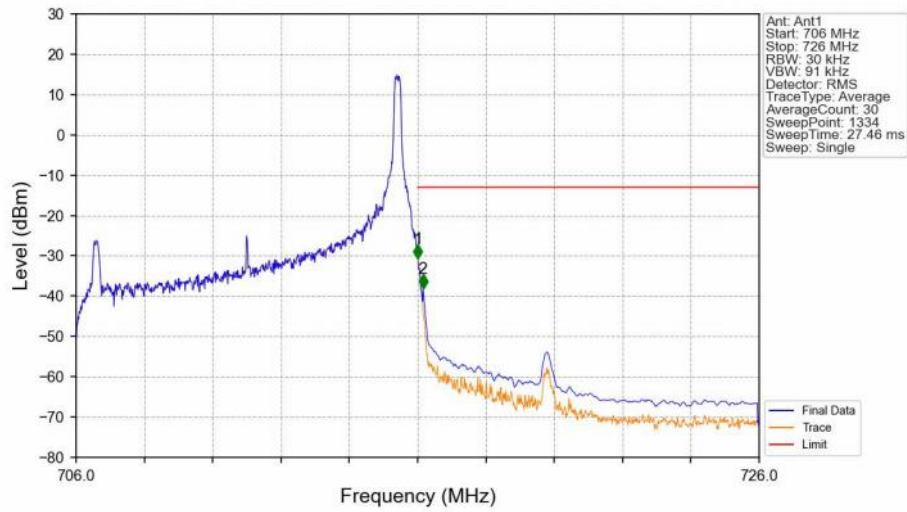
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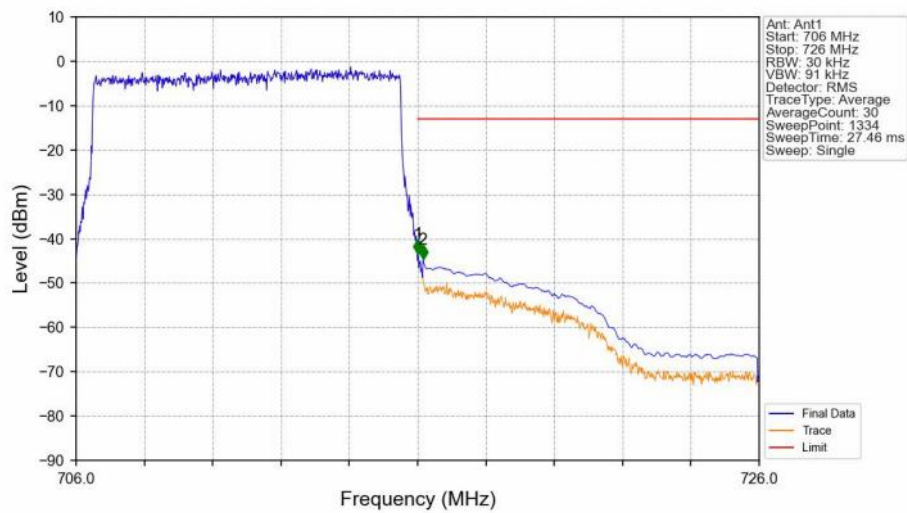
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



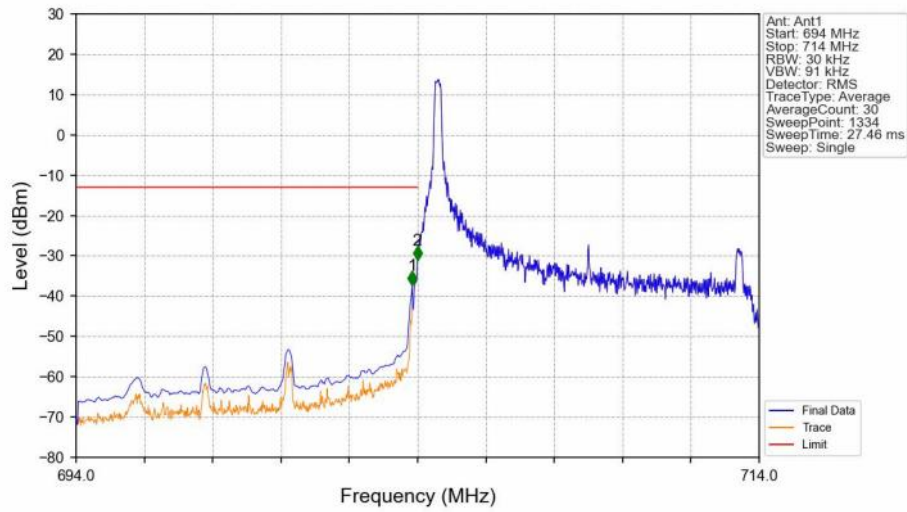
Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



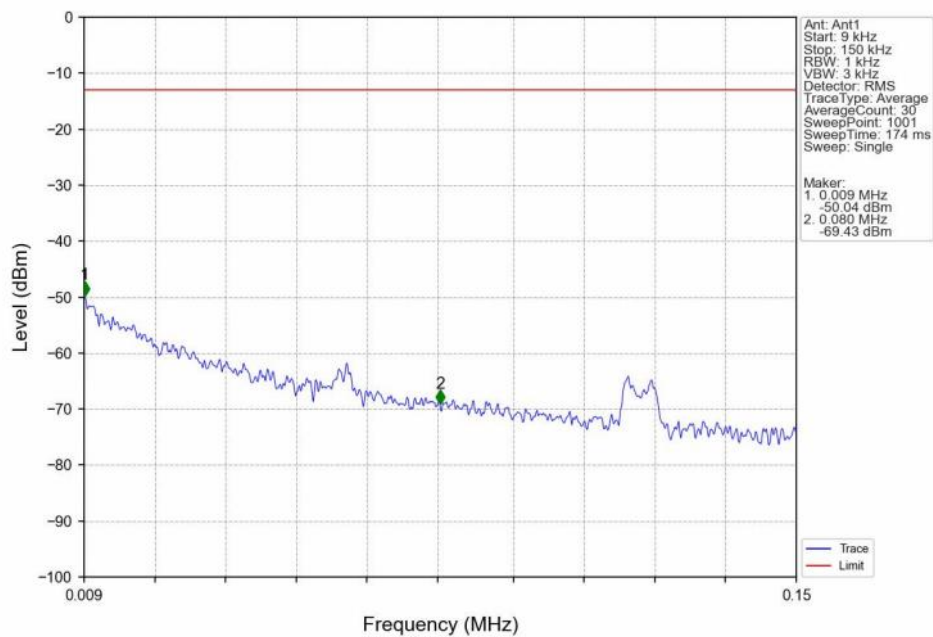
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



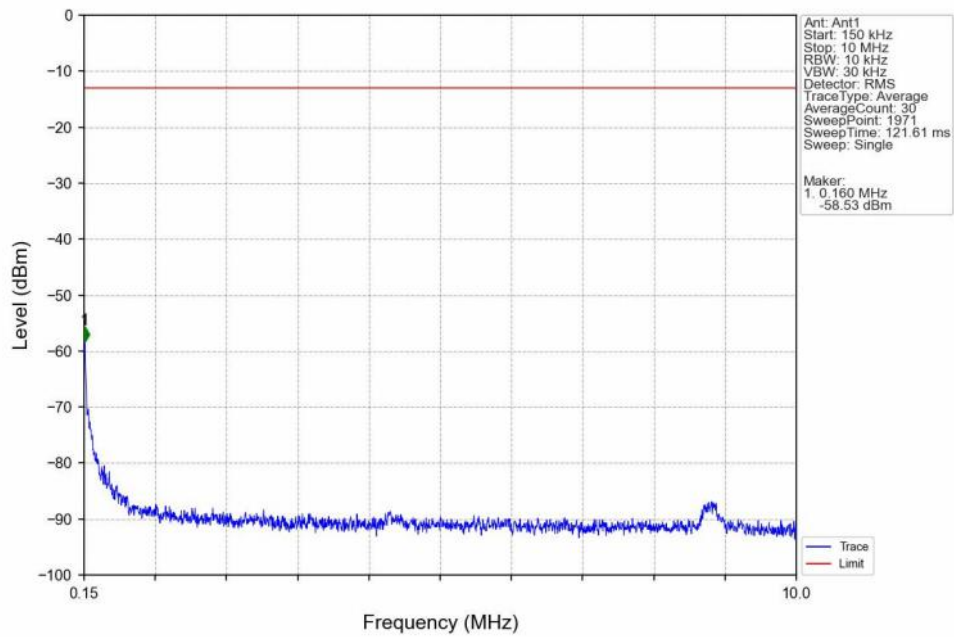
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



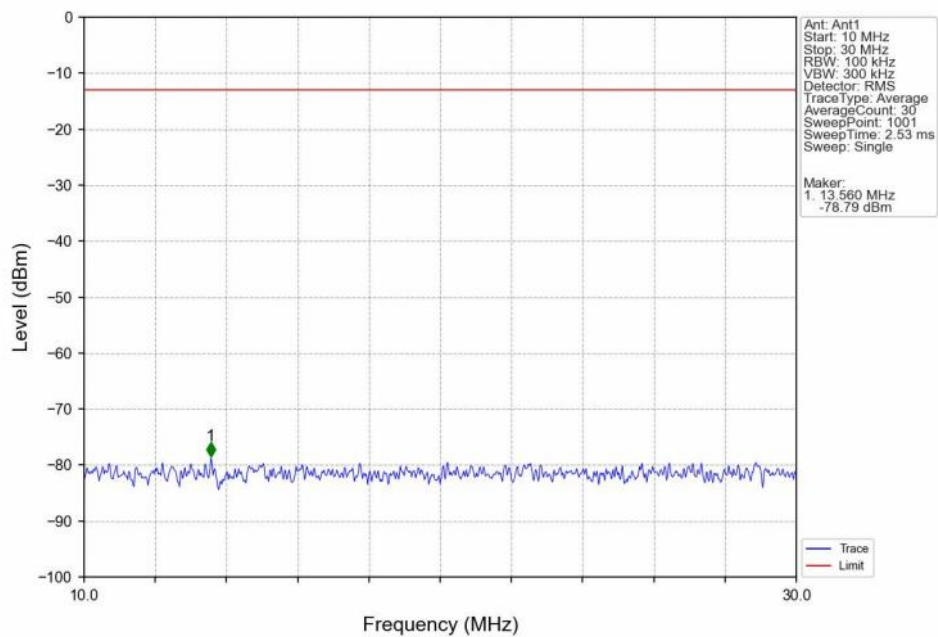
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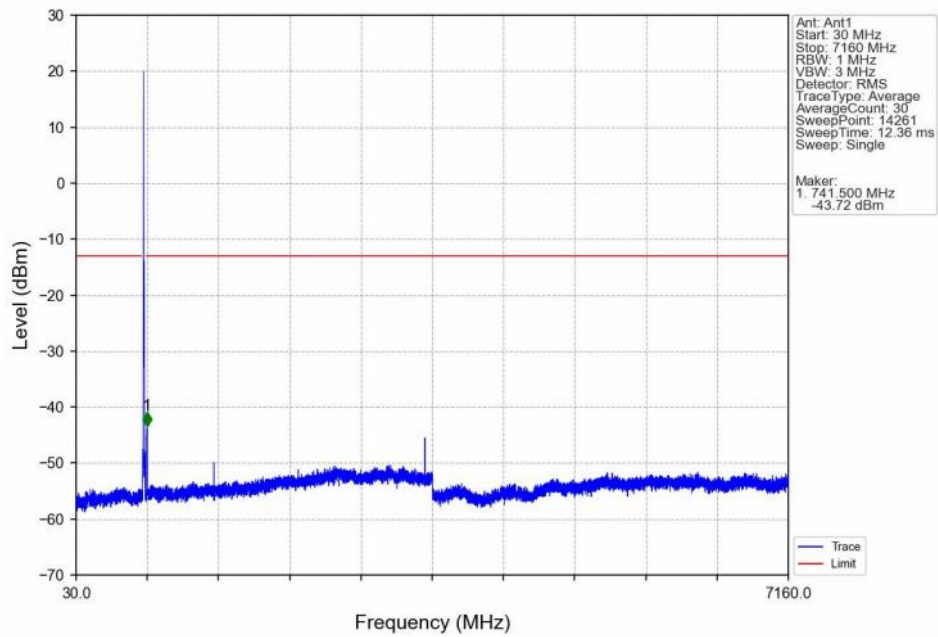
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



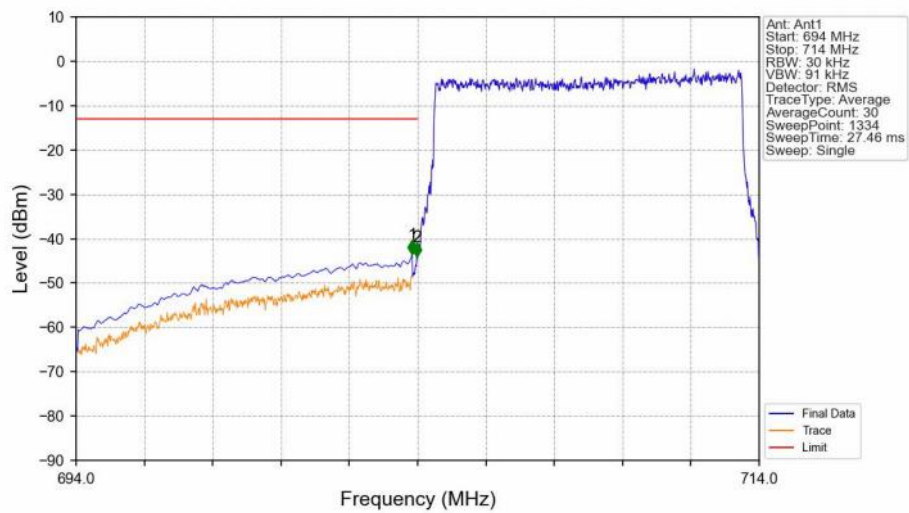
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

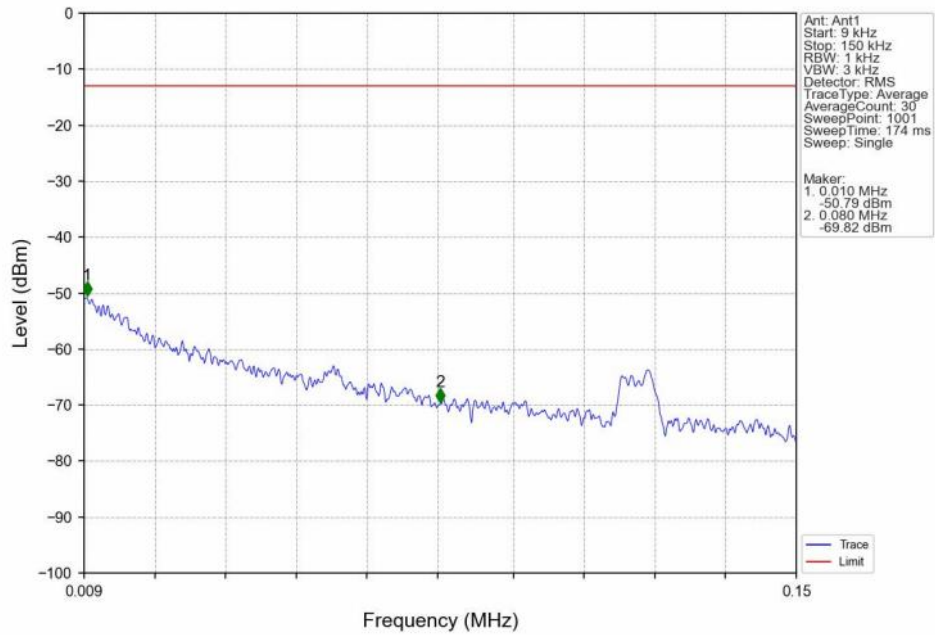


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

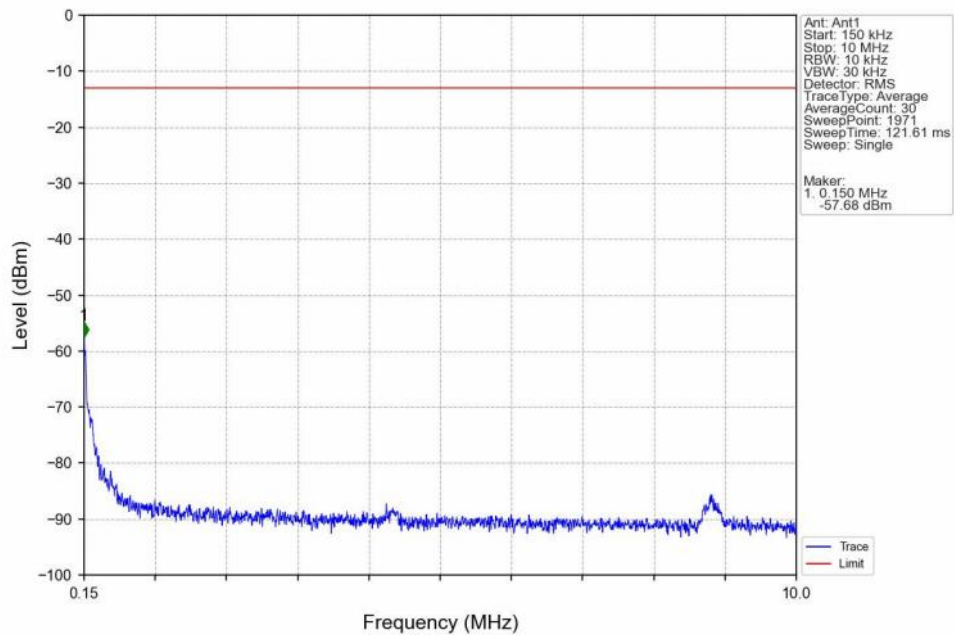


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-43.53	-13	Pass
703.9	704	0.03	/	2	703.977	-43.97	-13	Pass
704	714	0.03	/	/	/	/	/	/

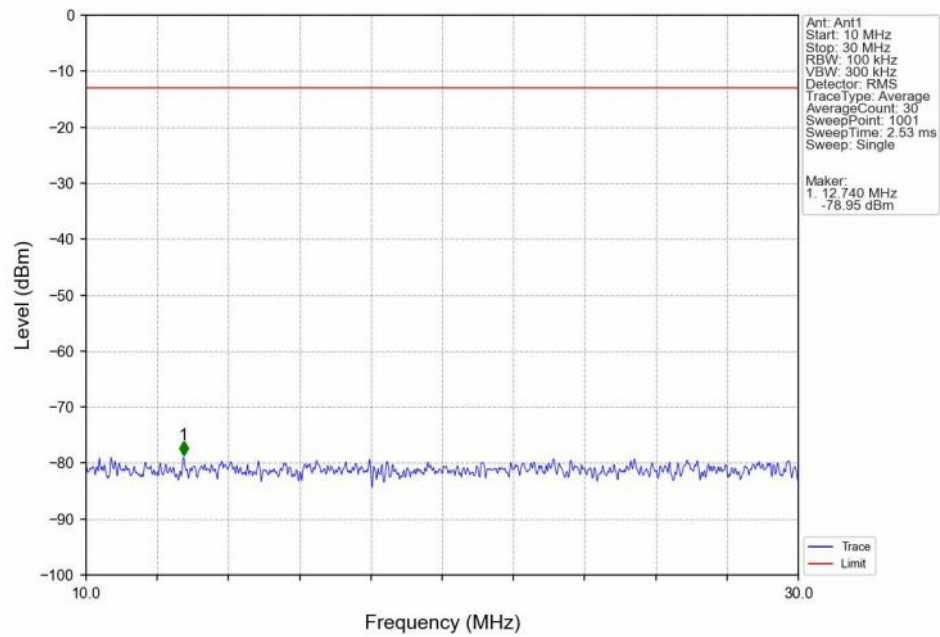
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



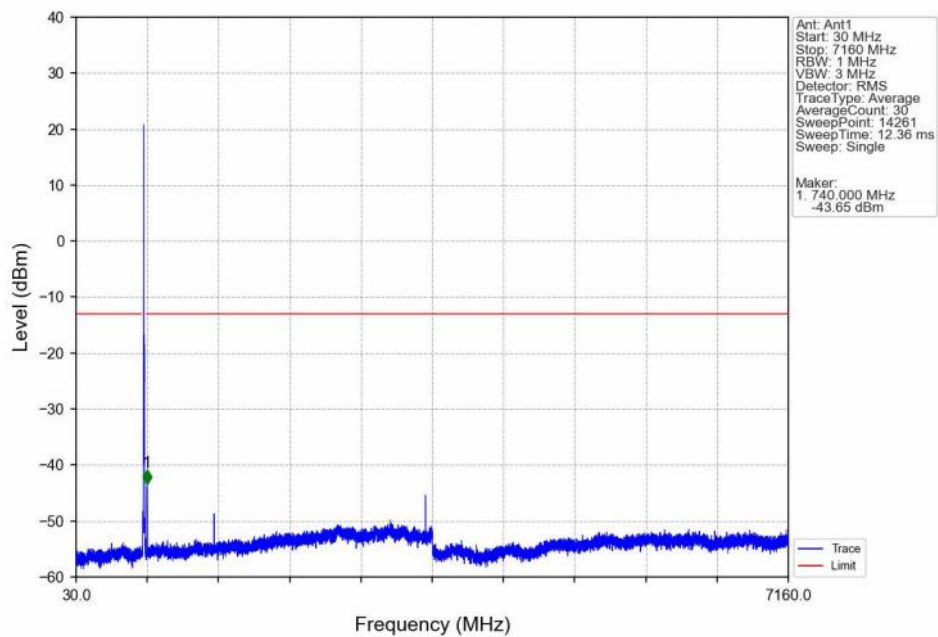
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



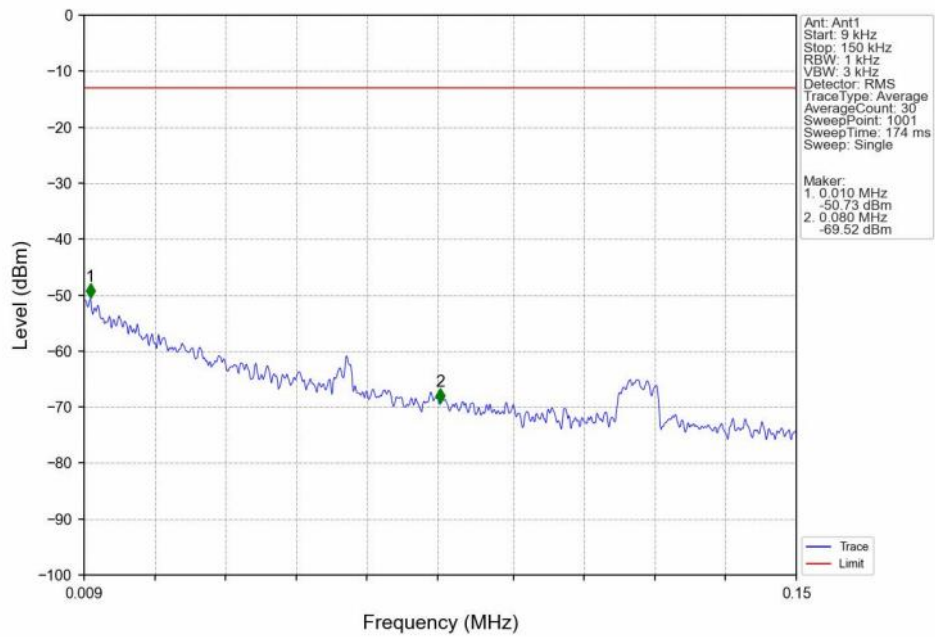
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



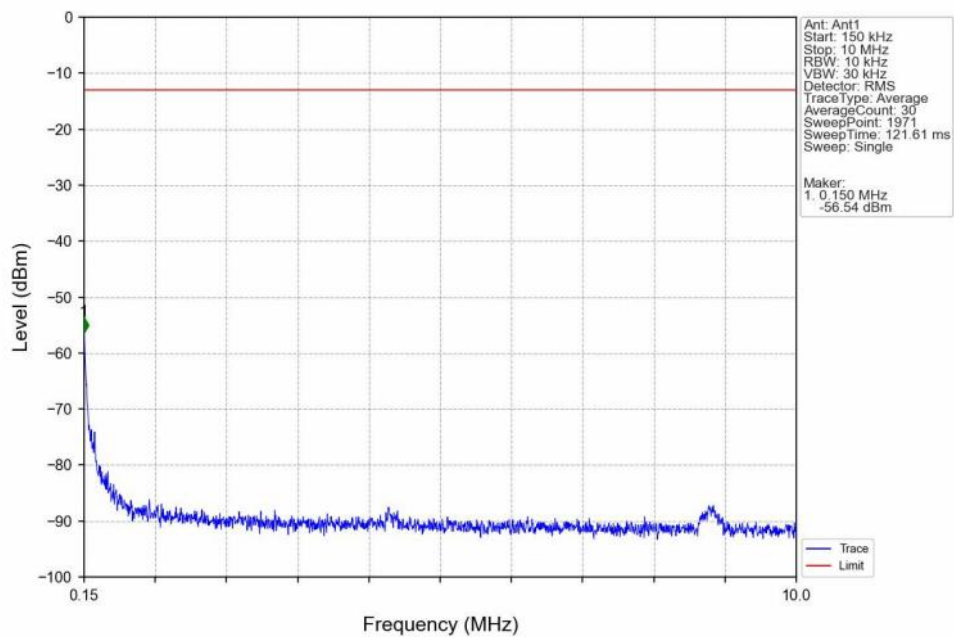
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



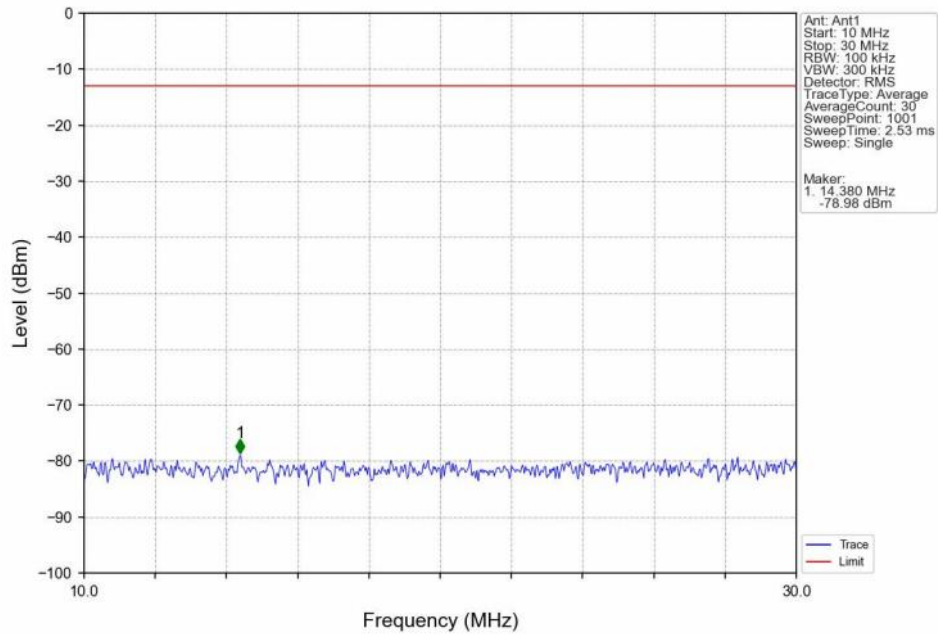
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



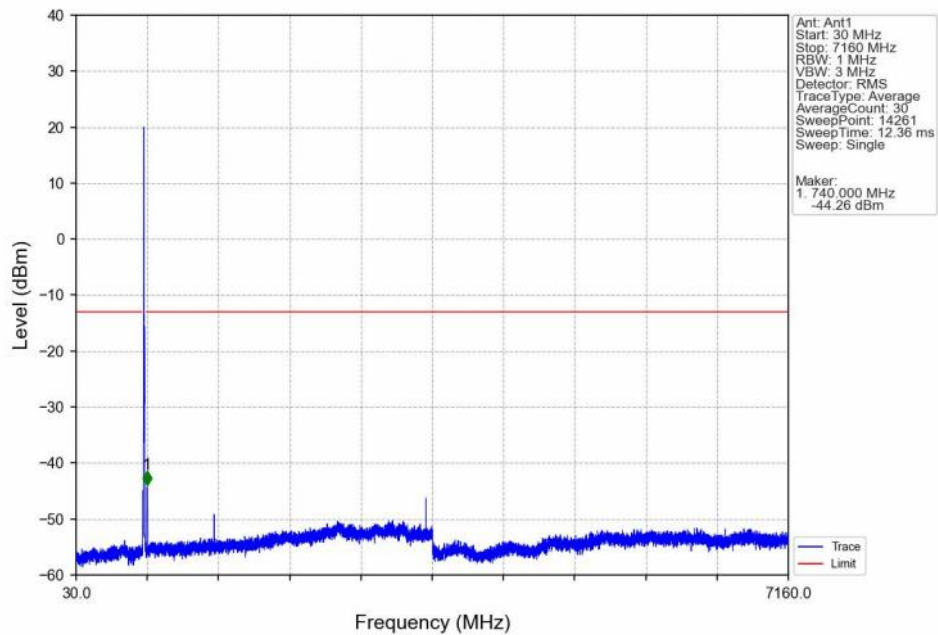
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



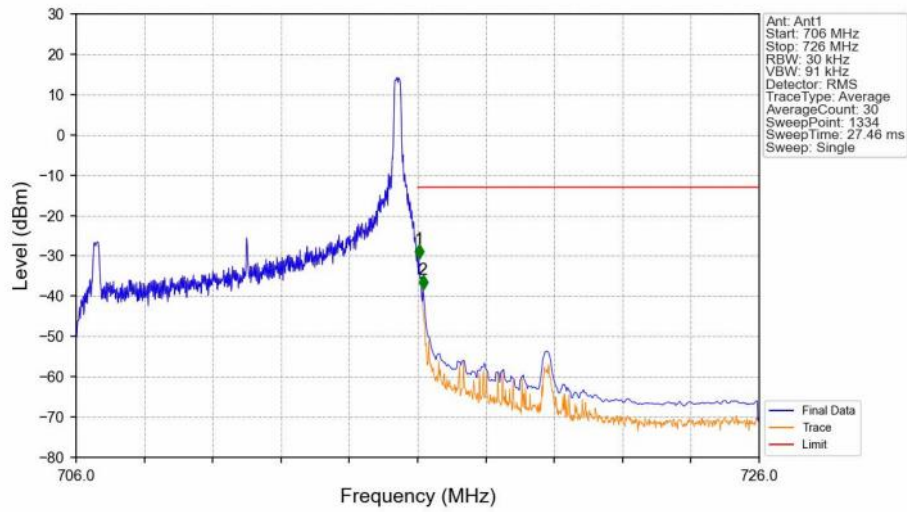
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



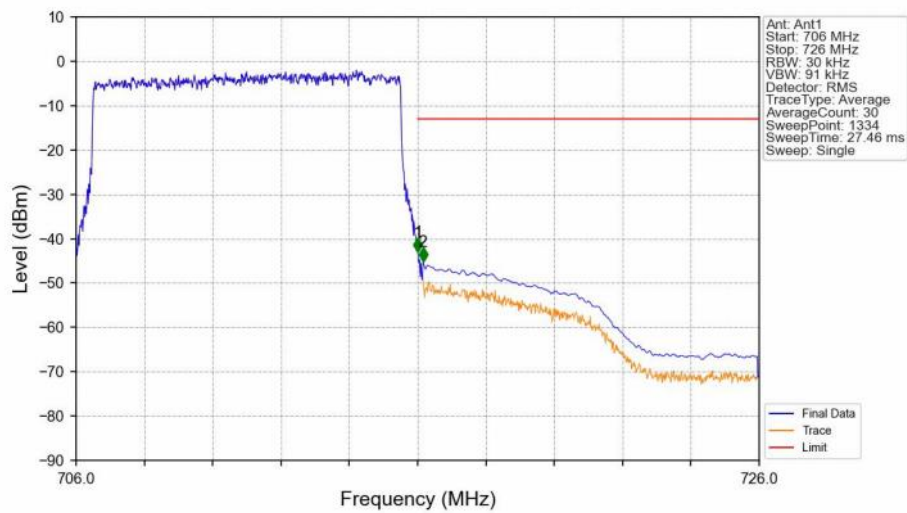
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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	0.1439	0.0665	ppm	4M57G7D	27H	21.58
17	5	706.5	713.5	0.1279	0.0708	ppm	4M57W7D	27H	21.07
17	10	709	711	0.1479	0.0654	ppm	9M08G7D	27H	21.70
17	10	709	711	0.1510	0.0624	ppm	9M08W7D	27H	21.79

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	0.0565	0.0665	ppm	4M57G7D	27H	17.52
17	5	706.5	713.5	0.0502	0.0708	ppm	4M57W7D	27H	17.01
17	10	709	711	0.0581	0.0654	ppm	9M08G7D	27H	17.64
17	10	709	711	0.0593	0.0624	ppm	9M08W7D	27H	17.73