

Appendix - LTE 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	21.65	-3.12	16.38	<=34.77	Pass
			13	21.78	-3.12	16.51	<=34.77	Pass
			24	21.56	-3.12	16.29	<=34.77	Pass
		12	0	20.90	-3.12	15.63	<=34.77	Pass
			6	20.85	-3.12	15.58	<=34.77	Pass
			13	20.79	-3.12	15.52	<=34.77	Pass
		25	0	20.84	-3.12	15.57	<=34.77	Pass
	710	1	0	21.56	-3.12	16.29	<=34.77	Pass
			13	21.71	-3.12	16.44	<=34.77	Pass
			24	21.54	-3.12	16.27	<=34.77	Pass
		12	0	20.68	-3.12	15.41	<=34.77	Pass
			6	20.78	-3.12	15.51	<=34.77	Pass
			13	20.79	-3.12	15.52	<=34.77	Pass
		25	0	20.76	-3.12	15.49	<=34.77	Pass
	713.5	1	0	21.52	-3.12	16.25	<=34.77	Pass
			13	21.64	-3.12	16.37	<=34.77	Pass
			24	21.55	-3.12	16.28	<=34.77	Pass
		12	0	20.65	-3.12	15.38	<=34.77	Pass
			6	20.73	-3.12	15.46	<=34.77	Pass
			13	20.46	-3.12	15.19	<=34.77	Pass
		25	0	20.56	-3.12	15.29	<=34.77	Pass
16QAM	706.5	1	0	20.51	-3.12	15.24	<=34.77	Pass
			13	20.68	-3.12	15.41	<=34.77	Pass
			24	20.55	-3.12	15.28	<=34.77	Pass
		12	0	19.91	-3.12	14.64	<=34.77	Pass
			6	19.87	-3.12	14.60	<=34.77	Pass
			13	19.76	-3.12	14.49	<=34.77	Pass
		25	0	19.92	-3.12	14.65	<=34.77	Pass
	710	1	0	20.75	-3.12	15.48	<=34.77	Pass
			13	20.84	-3.12	15.57	<=34.77	Pass
			24	20.70	-3.12	15.43	<=34.77	Pass
		12	0	19.72	-3.12	14.45	<=34.77	Pass
			6	19.76	-3.12	14.49	<=34.77	Pass
			13	19.74	-3.12	14.47	<=34.77	Pass
		25	0	19.78	-3.12	14.51	<=34.77	Pass
	713.5	1	0	20.85	-3.12	15.58	<=34.77	Pass
			13	20.93	-3.12	15.66	<=34.77	Pass
			24	20.73	-3.12	15.46	<=34.77	Pass
		12	0	19.61	-3.12	14.34	<=34.77	Pass
			6	19.77	-3.12	14.50	<=34.77	Pass
			13	19.51	-3.12	14.24	<=34.77	Pass
		25	0	19.58	-3.12	14.31	<=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	21.73	-3.12	16.46	<=34.77	Pass	
			25	21.86	-3.12	16.59	<=34.77	Pass	
			49	21.67	-3.12	16.40	<=34.77	Pass	
		25	0	20.93	-3.12	15.66	<=34.77	Pass	
			13	20.80	-3.12	15.53	<=34.77	Pass	
			25	20.92	-3.12	15.65	<=34.77	Pass	
		50	0	20.94	-3.12	15.67	<=34.77	Pass	
		710	1	0	21.66	-3.12	16.39	<=34.77	Pass
				25	21.74	-3.12	16.47	<=34.77	Pass
	49			21.58	-3.12	16.31	<=34.77	Pass	
	25		0	20.78	-3.12	15.51	<=34.77	Pass	
			13	20.74	-3.12	15.47	<=34.77	Pass	
			25	20.80	-3.12	15.53	<=34.77	Pass	
	50		0	20.80	-3.12	15.53	<=34.77	Pass	
	711		1	0	21.63	-3.12	16.36	<=34.77	Pass
				25	21.79	-3.12	16.52	<=34.77	Pass
		49		21.65	-3.12	16.38	<=34.77	Pass	
		25	0	20.71	-3.12	15.44	<=34.77	Pass	
			13	20.76	-3.12	15.49	<=34.77	Pass	
			25	20.58	-3.12	15.31	<=34.77	Pass	
		50	0	20.69	-3.12	15.42	<=34.77	Pass	
16QAM		709	1	0	20.74	-3.12	15.47	<=34.77	Pass
				25	20.92	-3.12	15.65	<=34.77	Pass
	49			20.70	-3.12	15.43	<=34.77	Pass	
	25		0	20.07	-3.12	14.80	<=34.77	Pass	
			13	19.90	-3.12	14.63	<=34.77	Pass	
			25	20.05	-3.12	14.78	<=34.77	Pass	
	50		0	20.01	-3.12	14.74	<=34.77	Pass	
	710		1	0	20.86	-3.12	15.59	<=34.77	Pass
				25	21.05	-3.12	15.78	<=34.77	Pass
		49		20.84	-3.12	15.57	<=34.77	Pass	
		25	0	19.85	-3.12	14.58	<=34.77	Pass	
			13	19.83	-3.12	14.56	<=34.77	Pass	
			25	19.84	-3.12	14.57	<=34.77	Pass	
		50	0	19.84	-3.12	14.57	<=34.77	Pass	
		711	1	0	21.24	-3.12	15.97	<=34.77	Pass
				25	21.37	-3.12	16.10	<=34.77	Pass
	49			21.10	-3.12	15.83	<=34.77	Pass	
	25		0	19.84	-3.12	14.57	<=34.77	Pass	
			13	19.83	-3.12	14.56	<=34.77	Pass	
			25	19.66	-3.12	14.39	<=34.77	Pass	
	50		0	19.72	-3.12	14.45	<=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	-5.765	-0.0082	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0073	-2.5 to 2.5	Pass
					4.43	-4.063	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-5.207	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-6.108	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-5.965	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-5.293	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-9.971	-0.0140	-2.5 to 2.5	Pass
					3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
					4.43	-2.060	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-7.339	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-6.466	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-9.484	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-8.655	-0.0122	-2.5 to 2.5	Pass
				50	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-11.258	-0.0158	-2.5 to 2.5	Pass
					3.85	-6.008	-0.0084	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-5.808	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.649	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-8.154	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-3.262	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass
50	3.85	-3.591	-0.0050	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	-6.838	-0.0097	-2.5 to 2.5	Pass
					3.85	-5.150	-0.0073	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-8.025	-0.0114	-2.5 to 2.5	Pass
				-20	3.85	-8.154	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-9.470	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-6.080	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-8.912	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-5.836	-0.0083	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-7.596	-0.0107	-2.5 to 2.5	Pass
					3.85	-5.708	-0.0080	-2.5 to 2.5	Pass
					4.43	-8.082	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-13.475	-0.0190	-2.5 to 2.5	Pass
				-10	3.85	-9.112	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-8.197	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-10.657	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-6.108	-0.0086	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.851	-0.0082	-2.5 to 2.5	Pass
					3.85	-9.270	-0.0130	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-9.012	-0.0126	-2.5 to 2.5	Pass

				-20	3.85	-4.635	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-5.407	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-3.748	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0079	-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	-6.180	-0.0087	-2.5 to 2.5	Pass
					3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
					4.43	-6.680	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-4.821	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-6.537	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-3.676	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-6.838	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-8.469	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-8.612	-0.0121	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-7.839	-0.0110	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0069	-2.5 to 2.5	Pass
					4.43	-6.838	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-5.422	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-6.065	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-7.696	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-6.552	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-9.141	-0.0129	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-8.540	-0.0120	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0045	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-6.280	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-6.251	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0070	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-7.610	-0.0107	-2.5 to 2.5	Pass
					3.85	-6.037	-0.0085	-2.5 to 2.5	Pass
					4.43	-5.136	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-2.632	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-5.994	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-7.639	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0083	-2.5 to 2.5	Pass
				50	3.85	0.587	0.0008	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-6.022	-0.0085	-2.5 to 2.5	Pass

					3.85	-6.351	-0.0089	-2.5 to 2.5	Pass
					4.43	-5.407	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-4.234	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-8.526	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-5.779	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-5.808	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-8.039	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-4.663	-0.0066	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.178	-0.0073	-2.5 to 2.5	Pass
					3.85	-3.119	-0.0044	-2.5 to 2.5	Pass
				-30	4.43	-5.636	-0.0079	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-6.452	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-9.642	-0.0136	-2.5 to 2.5	Pass
				30	3.85	-8.783	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-4.606	-0.0065	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

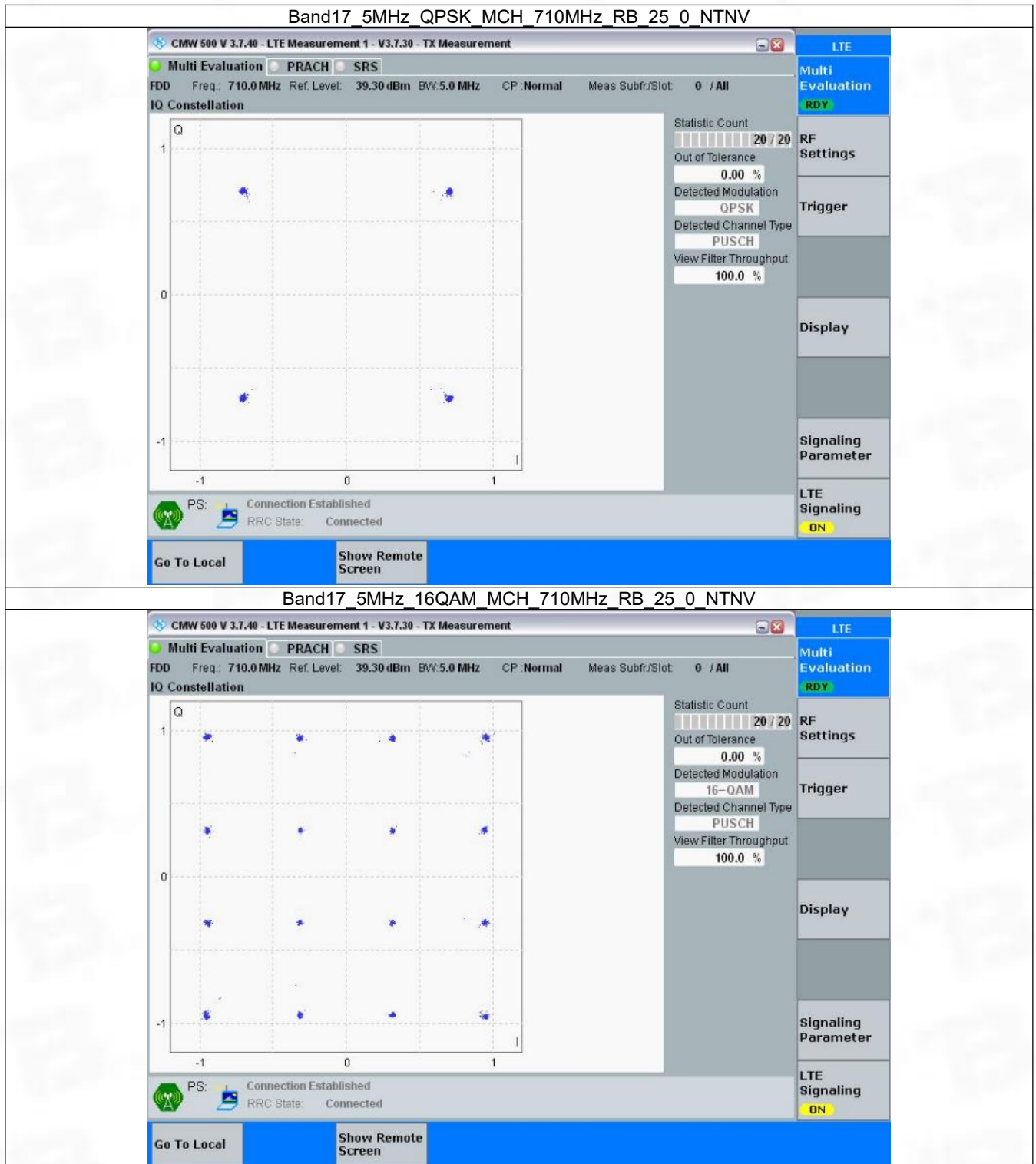
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

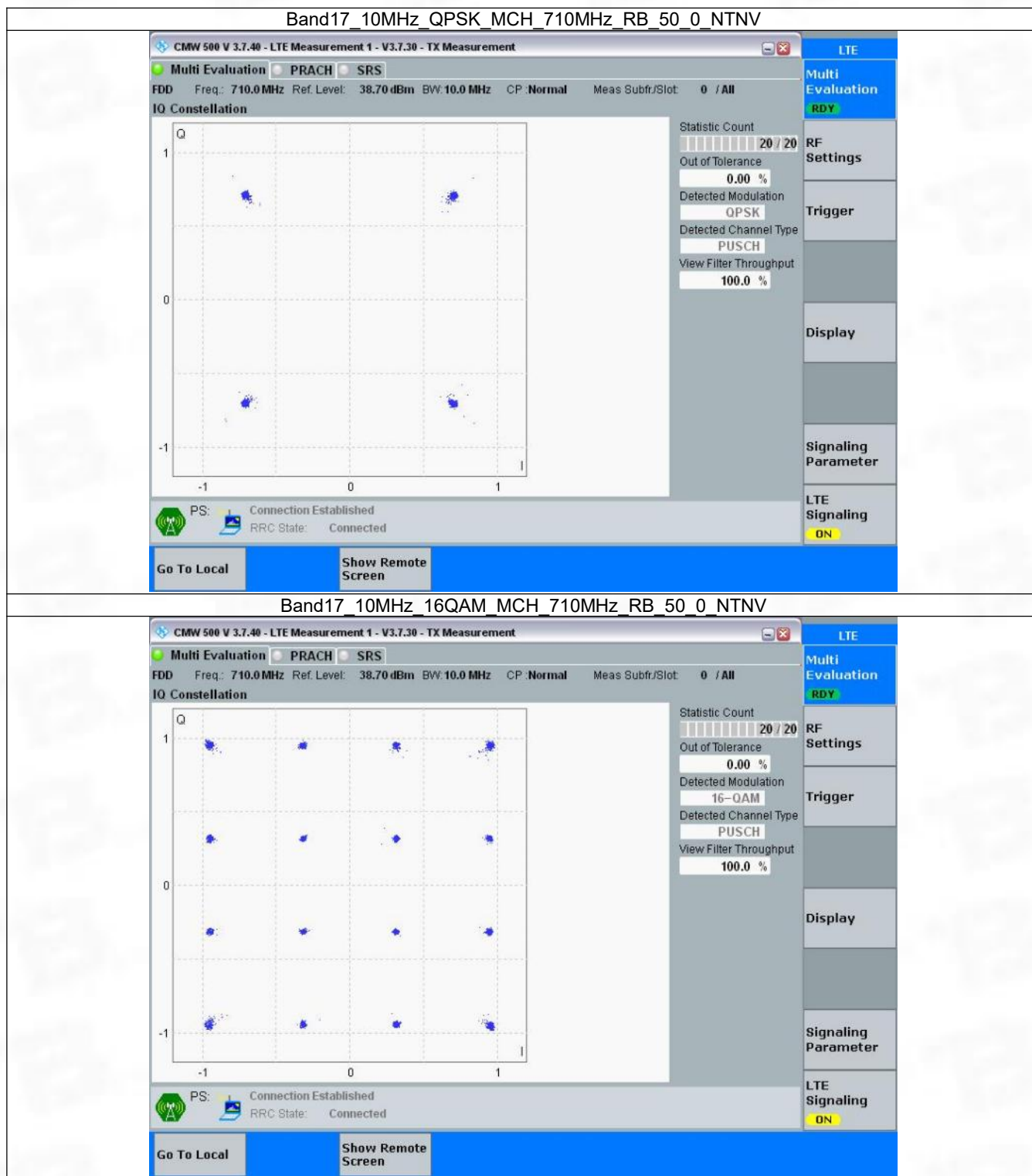
Band: 17 / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

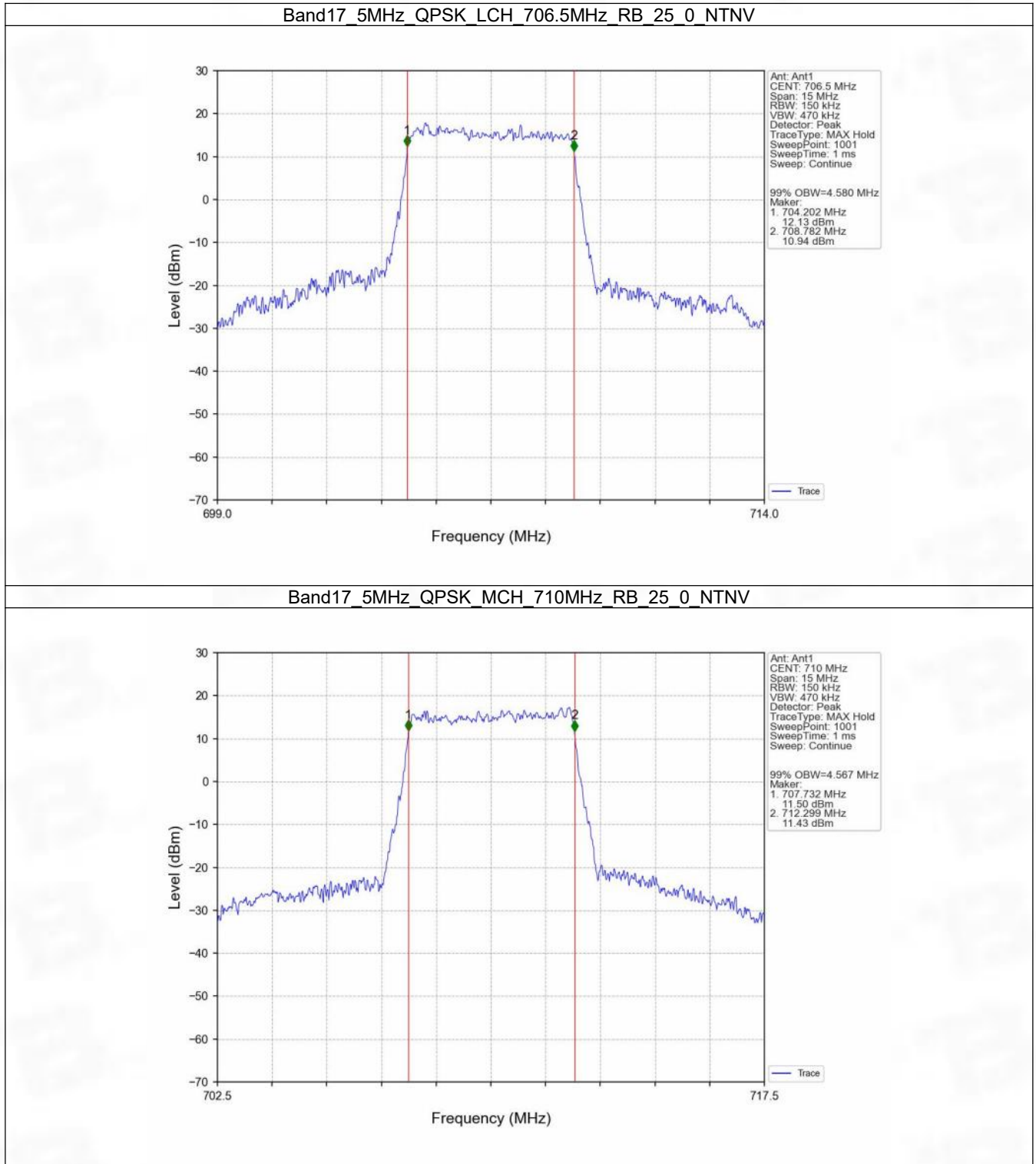
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.580	/	Pass
		710	25	0	4.567	/	Pass
		713.5	25	0	4.544	/	Pass
	16QAM	706.5	25	0	4.589	/	Pass
		710	25	0	4.592	/	Pass
		713.5	25	0	4.561	/	Pass
10	QPSK	709	50	0	9.137	/	Pass
		710	50	0	9.049	/	Pass
		711	50	0	9.058	/	Pass
	16QAM	709	50	0	9.118	/	Pass
		710	50	0	9.086	/	Pass
		711	50	0	9.073	/	Pass

4.1.2 Band17_XDB

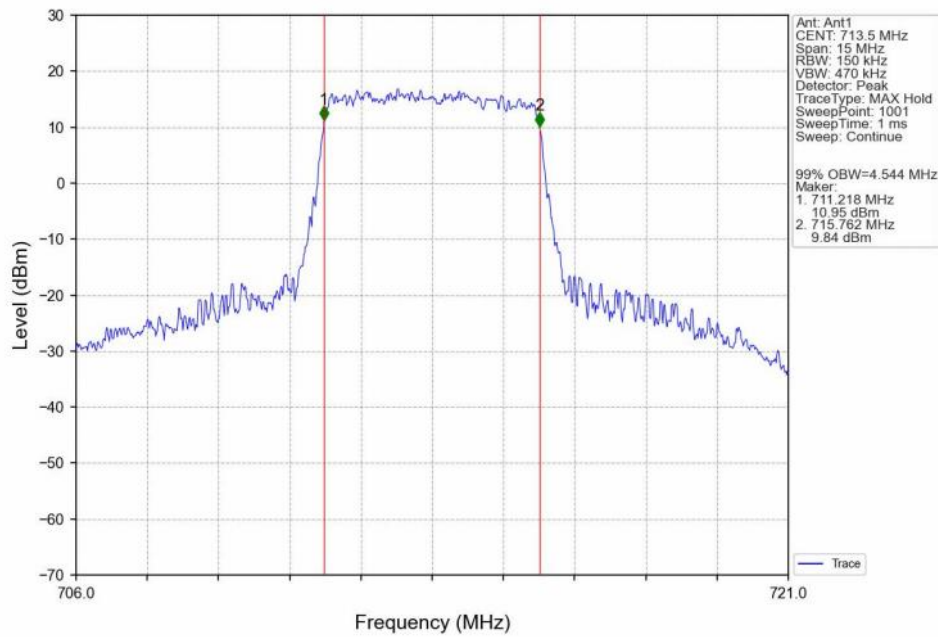
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.241	/	Pass
		710	25	0	5.226	/	Pass
		713.5	25	0	5.177	/	Pass
	16QAM	706.5	25	0	5.257	/	Pass
		710	25	0	5.332	/	Pass
		713.5	25	0	5.191	/	Pass
10	QPSK	709	50	0	10.281	/	Pass
		710	50	0	10.261	/	Pass
		711	50	0	10.256	/	Pass
	16QAM	709	50	0	10.343	/	Pass
		710	50	0	10.169	/	Pass
		711	50	0	10.054	/	Pass

4.2 Test Graph

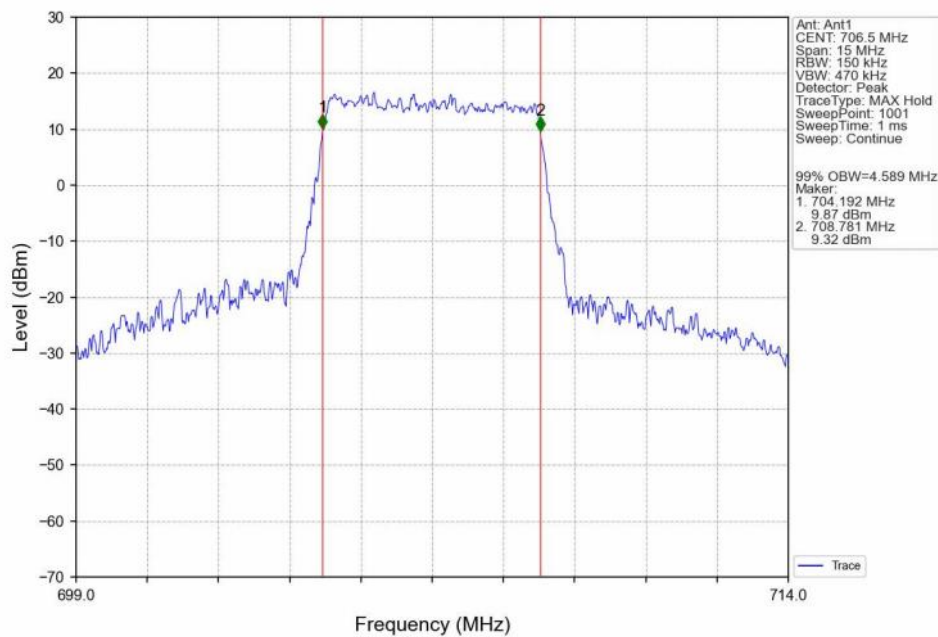
4.2.1 Band17_OBW



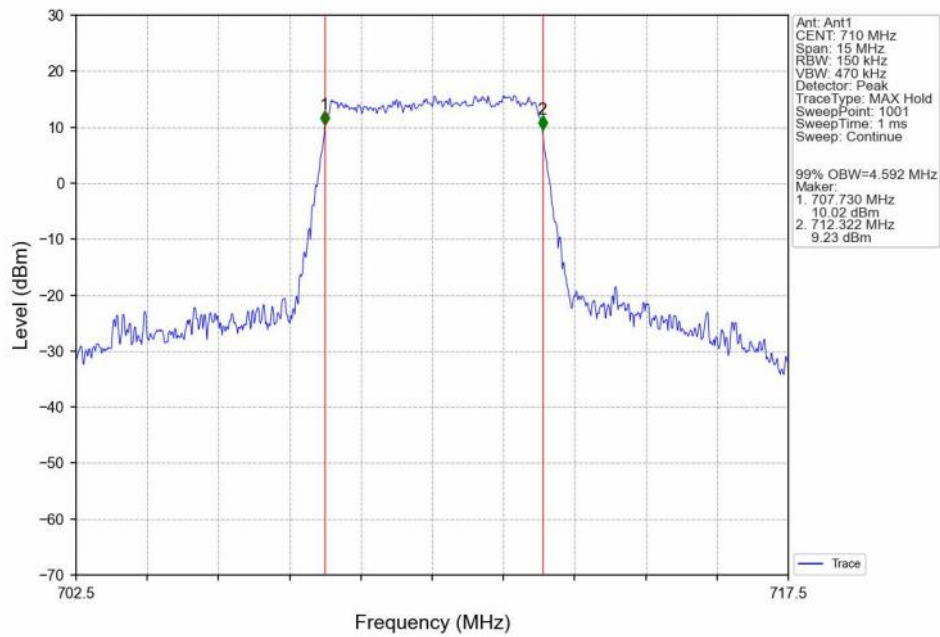
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



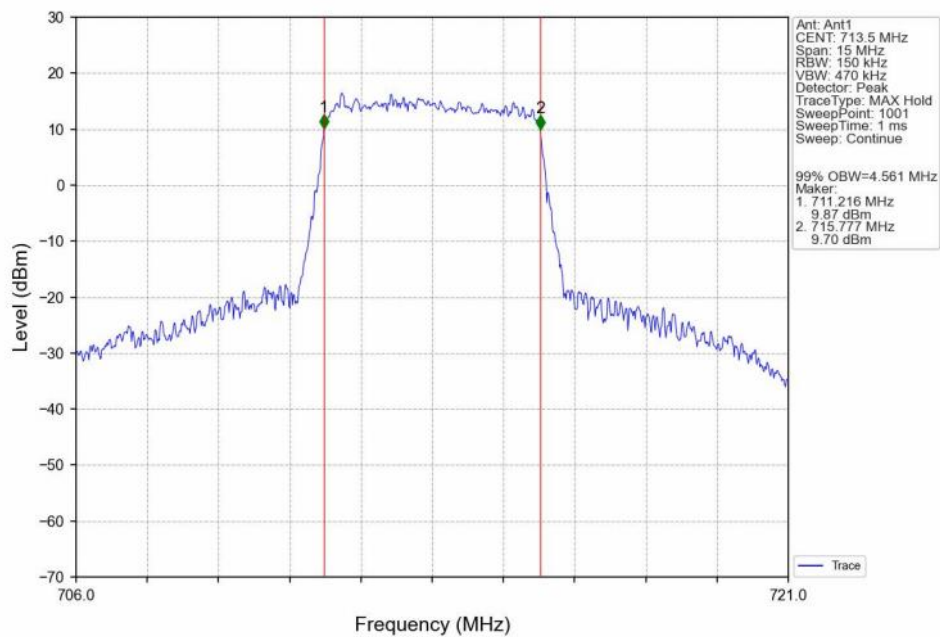
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



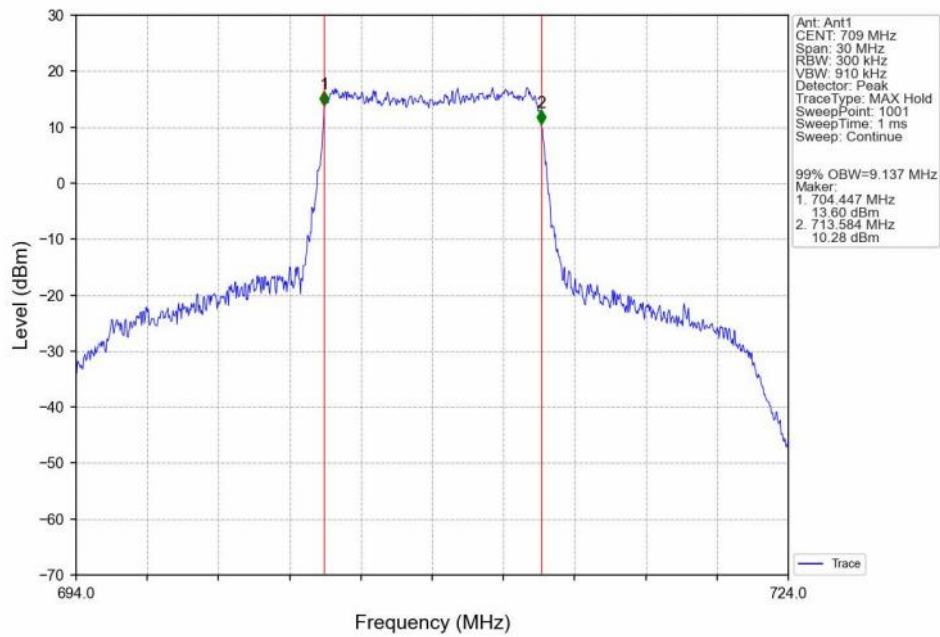
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



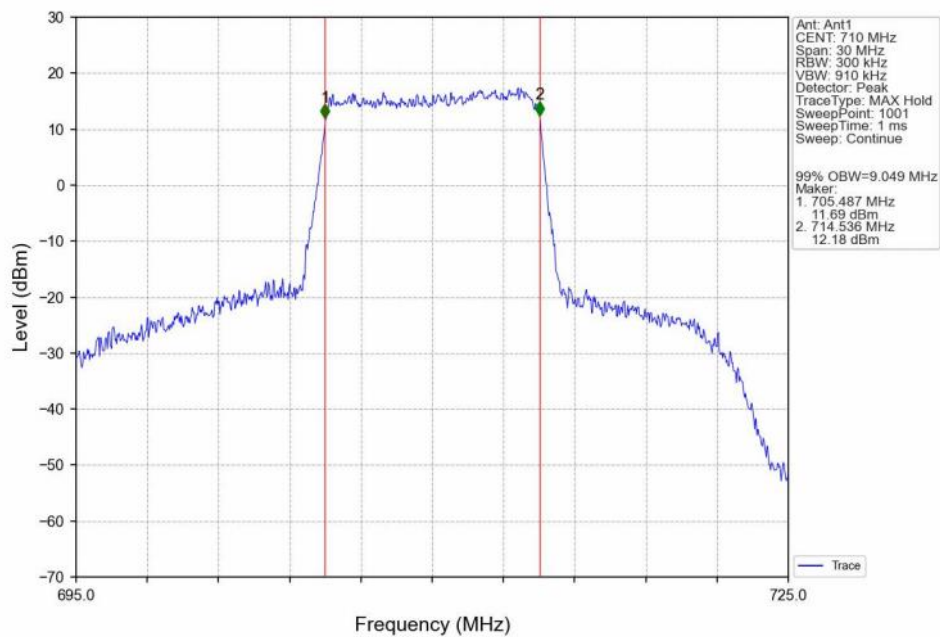
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



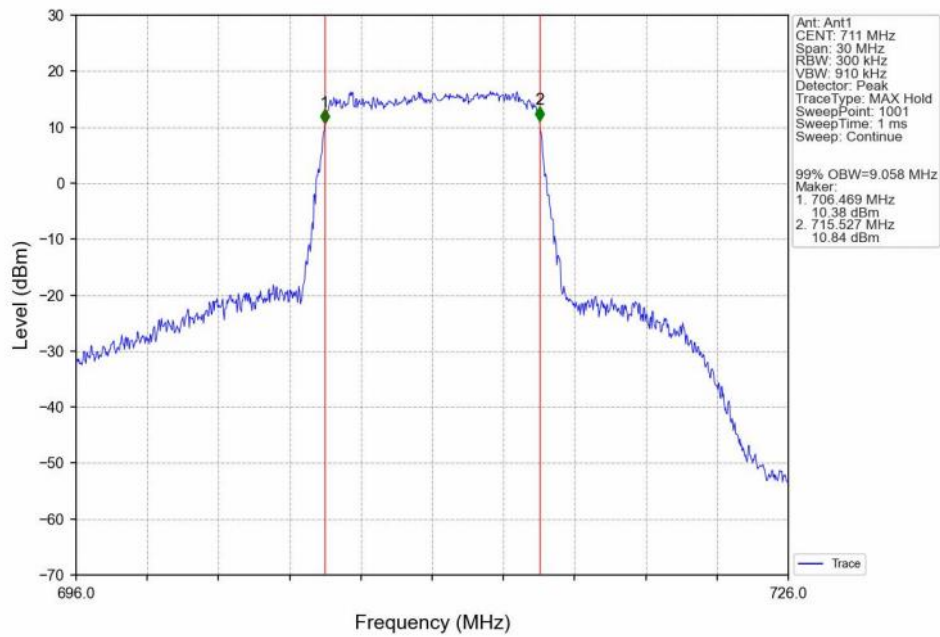
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



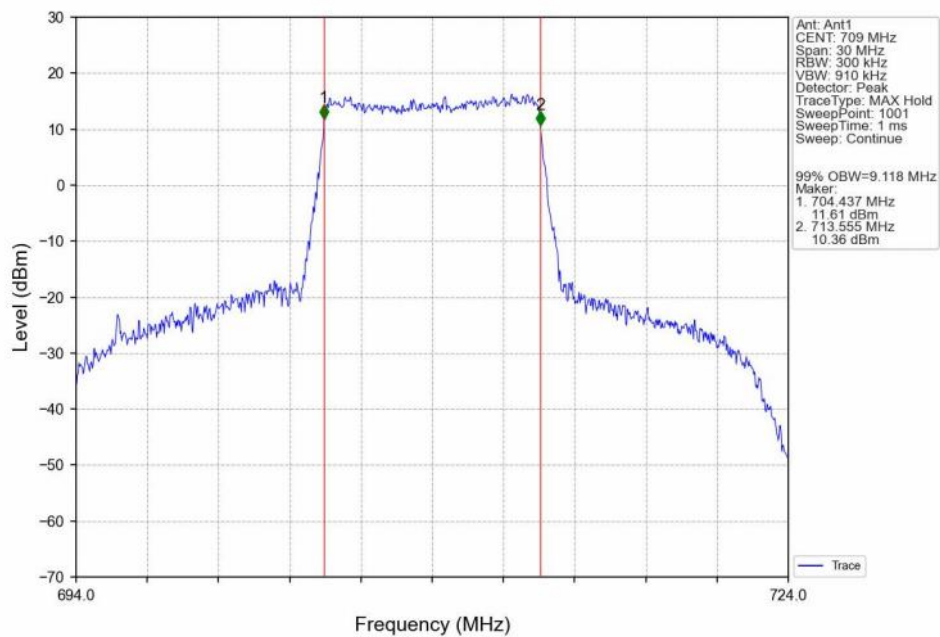
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



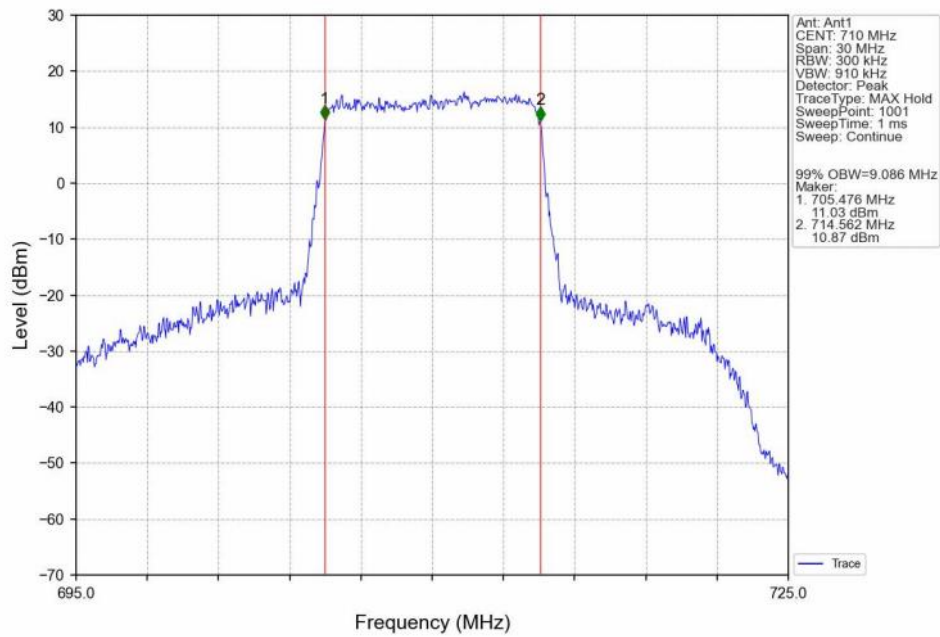
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



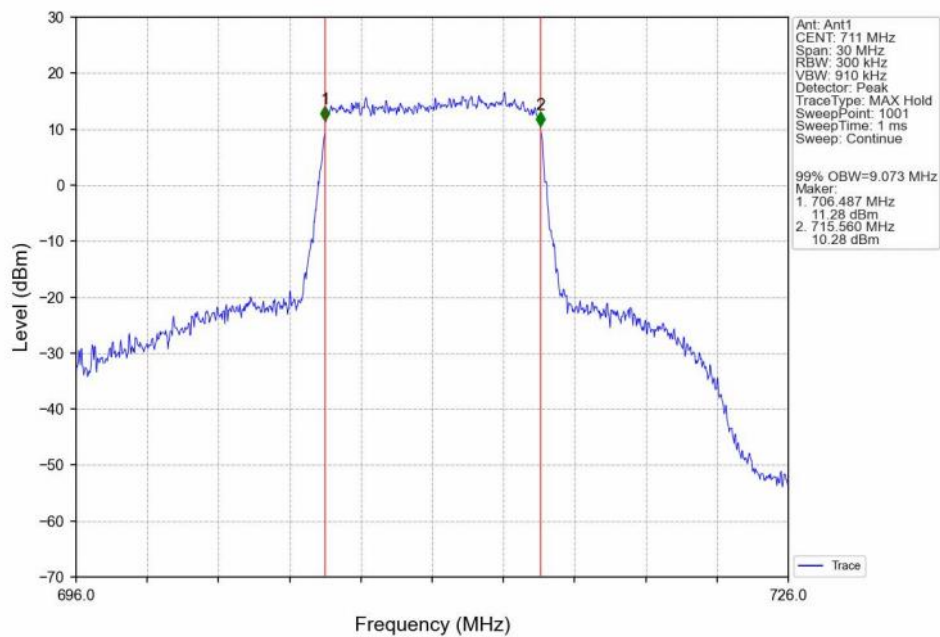
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



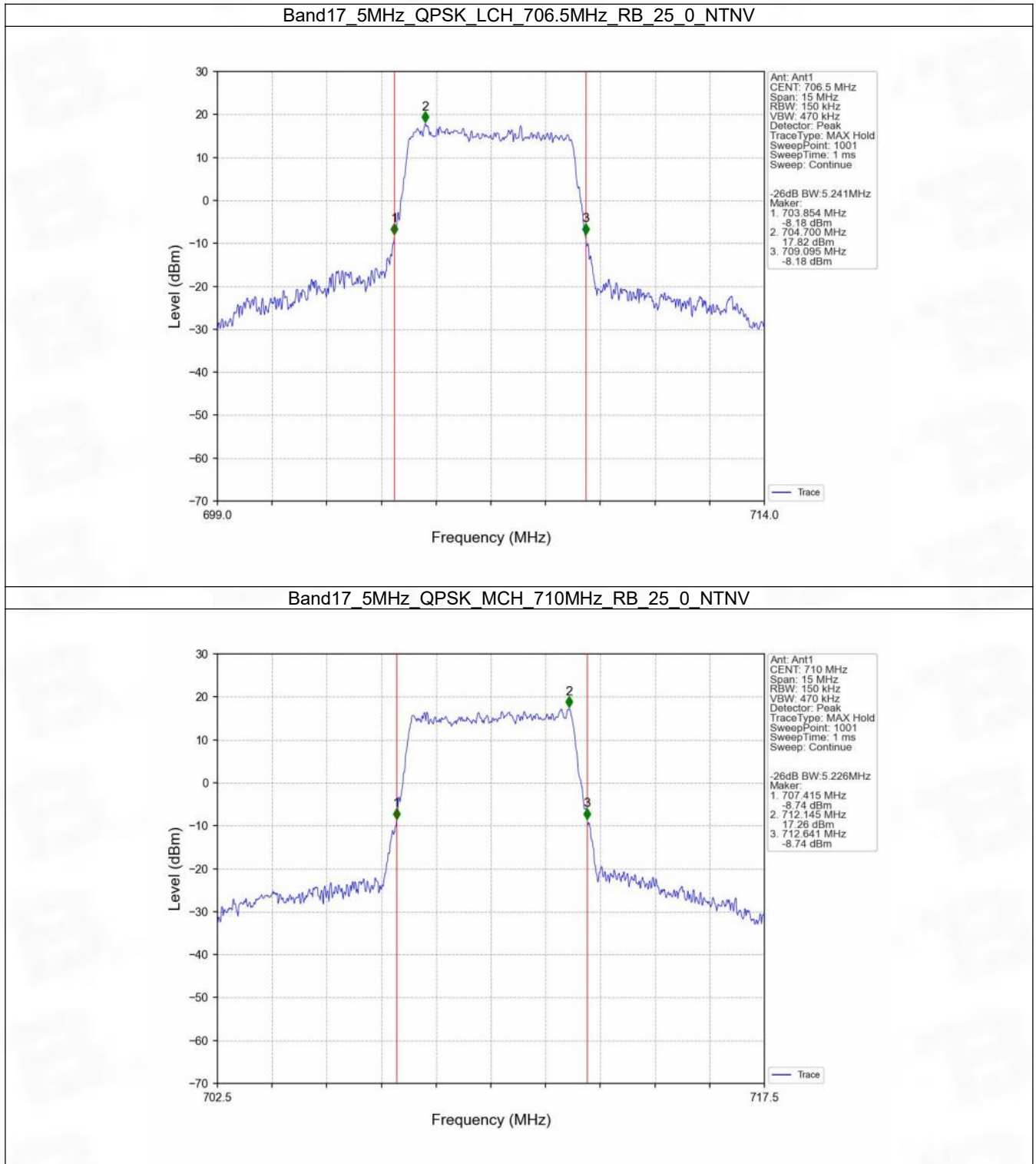
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



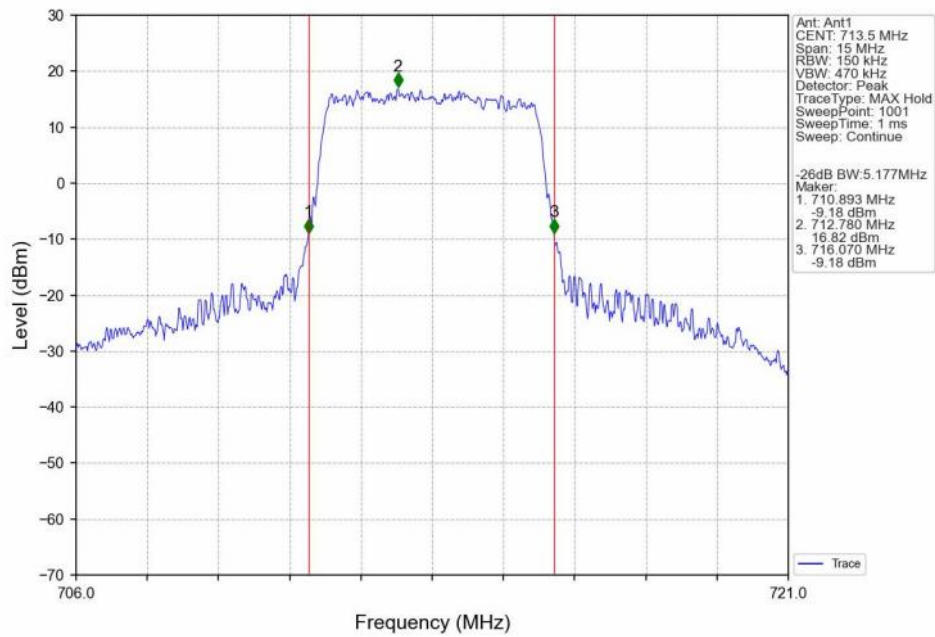
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



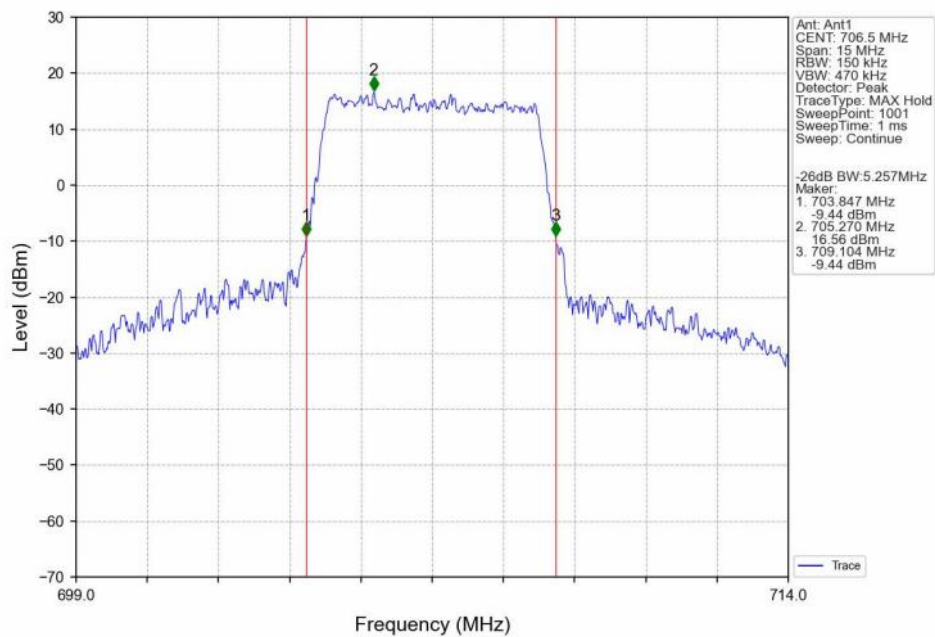
4.2.2 Band17_XDB



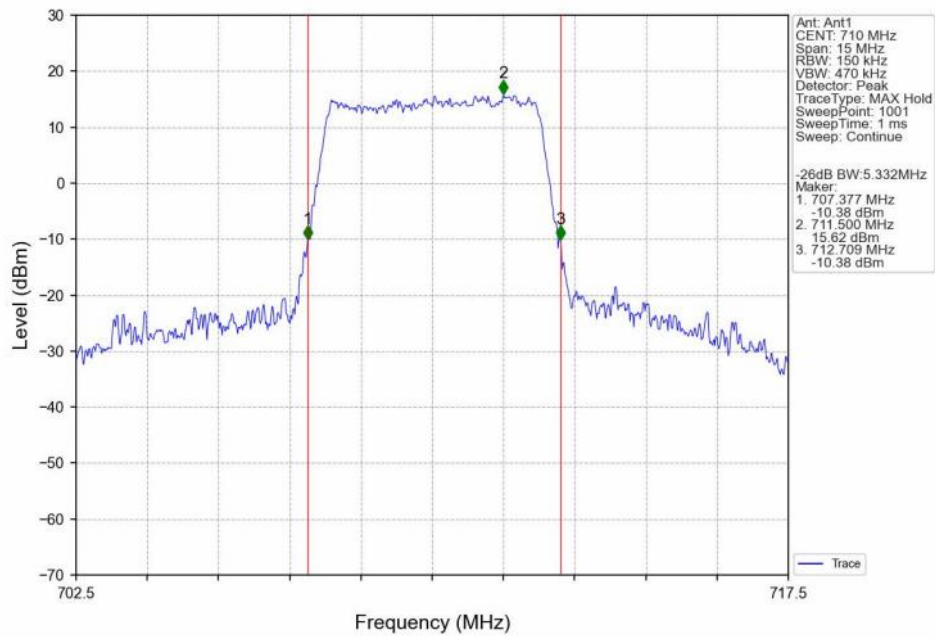
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



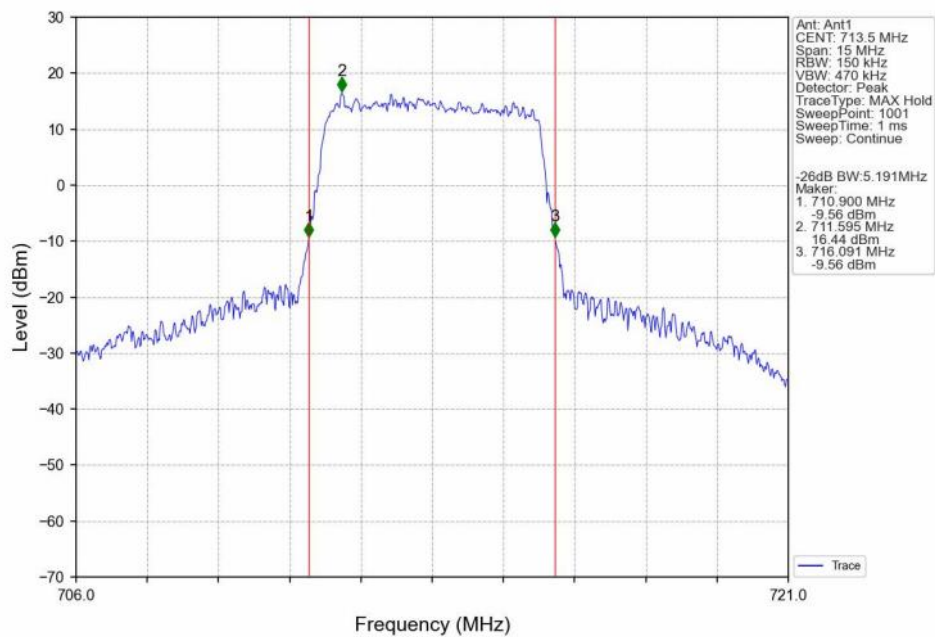
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



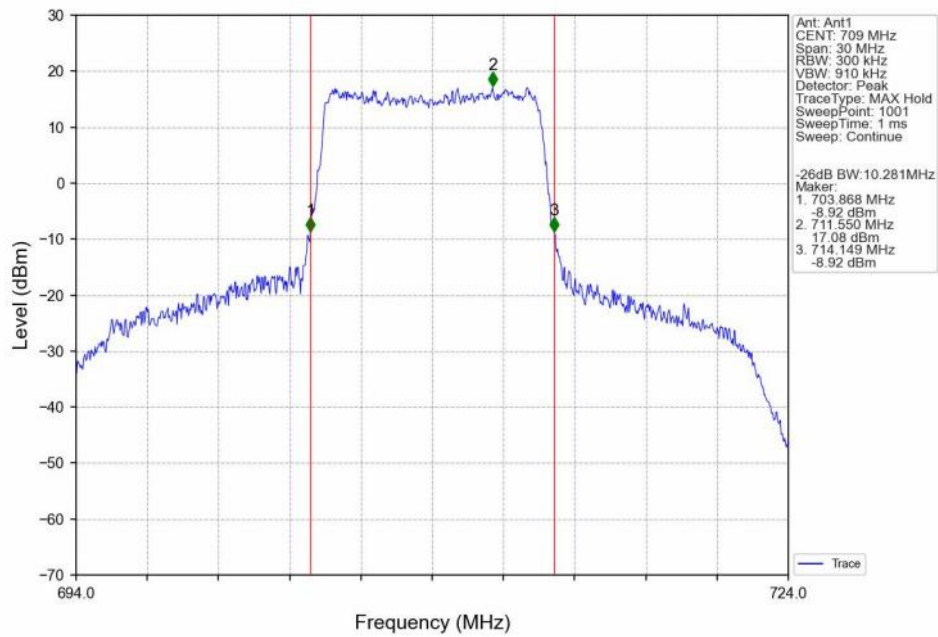
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



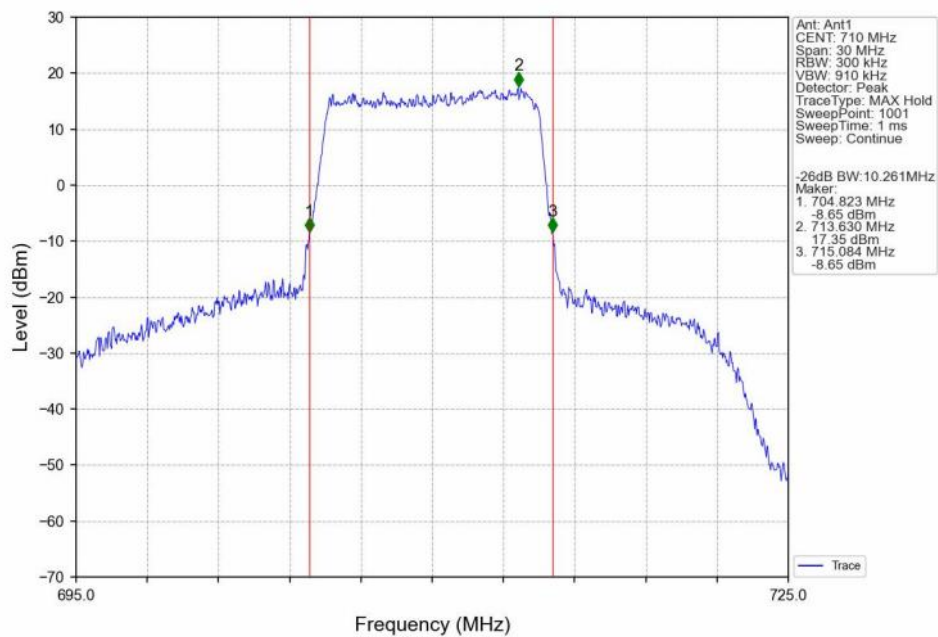
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



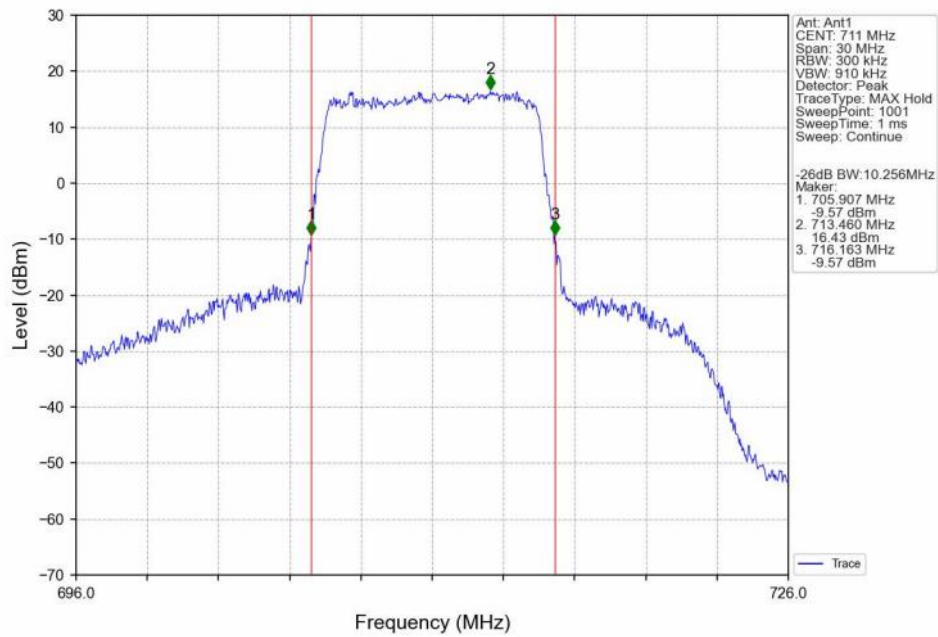
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



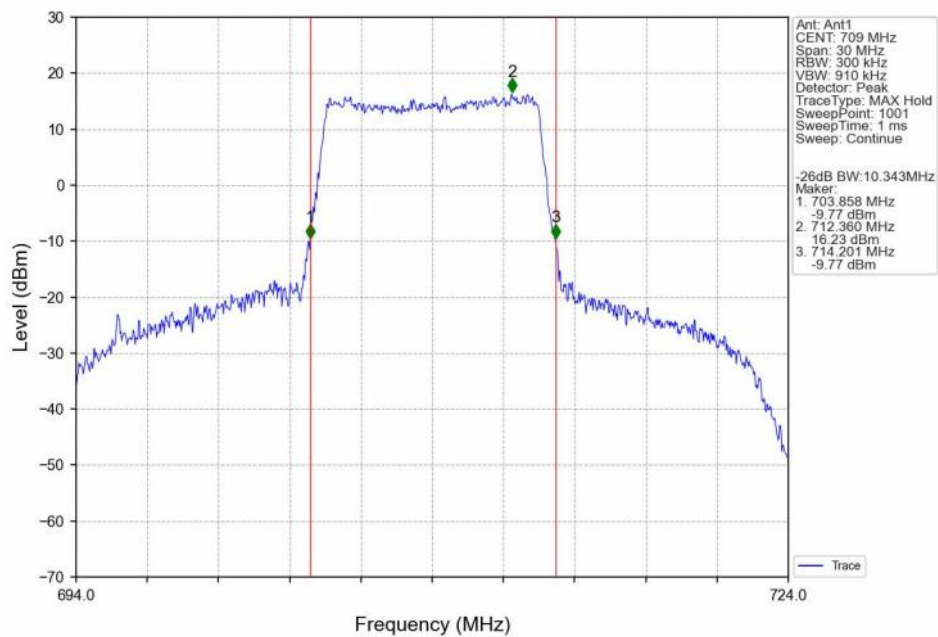
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



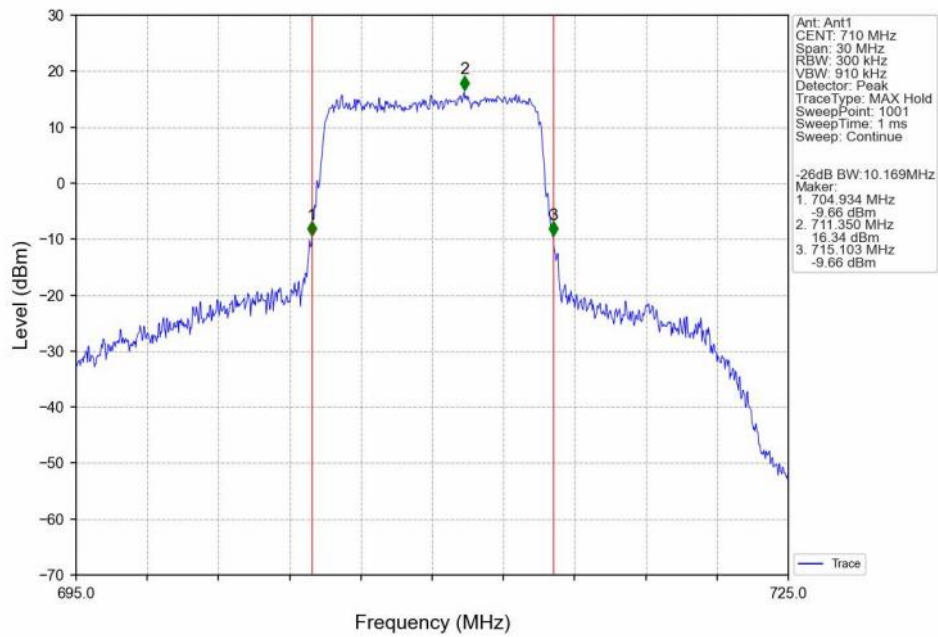
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



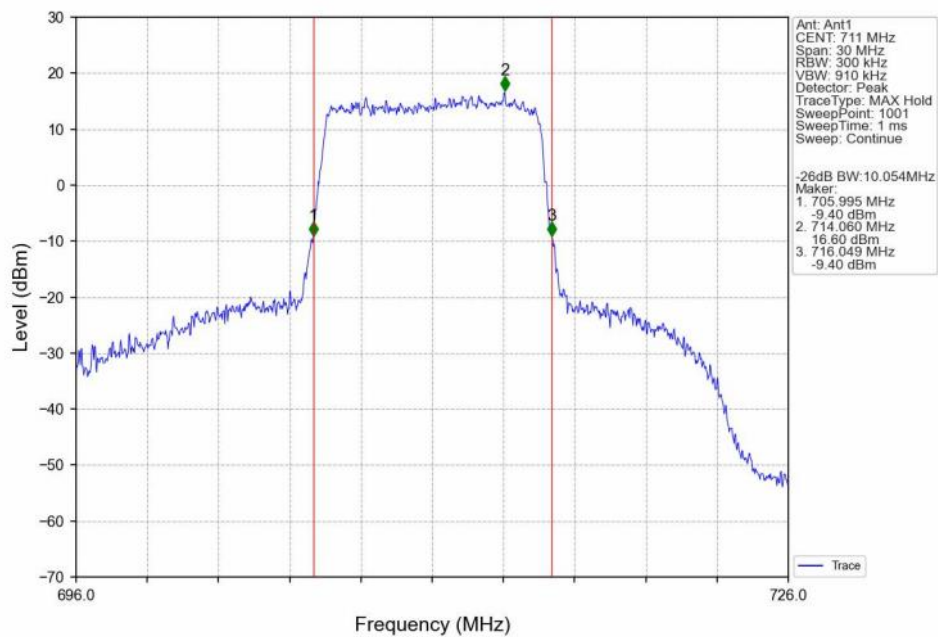
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

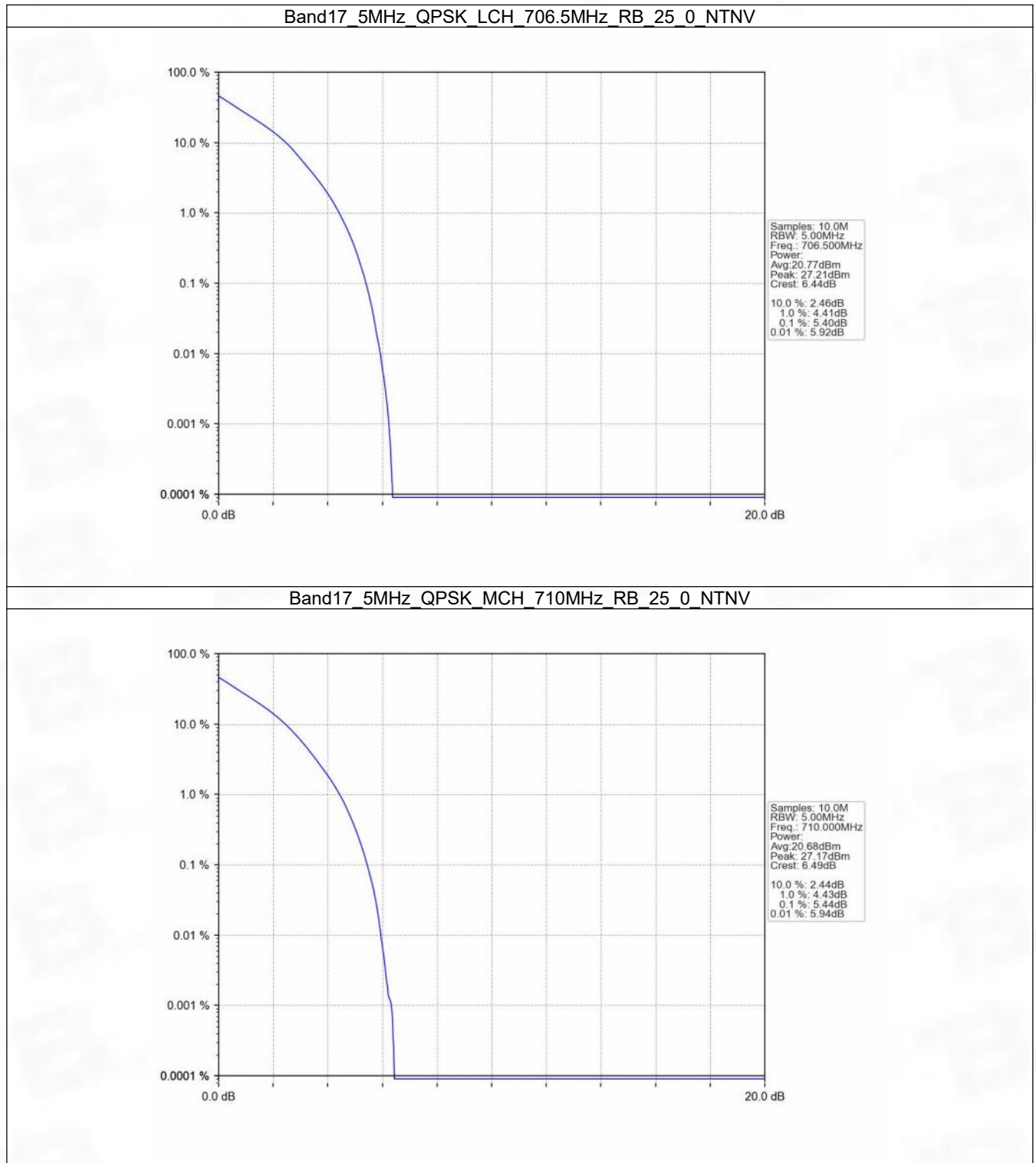
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.40	≤ 13	Pass
	710	25	0	5.44	≤ 13	Pass
	713.5	25	0	5.07	≤ 13	Pass
16QAM	706.5	25	0	6.09	≤ 13	Pass
	710	25	0	6.20	≤ 13	Pass
	713.5	25	0	5.85	≤ 13	Pass

5.1.2 B17_10MHz

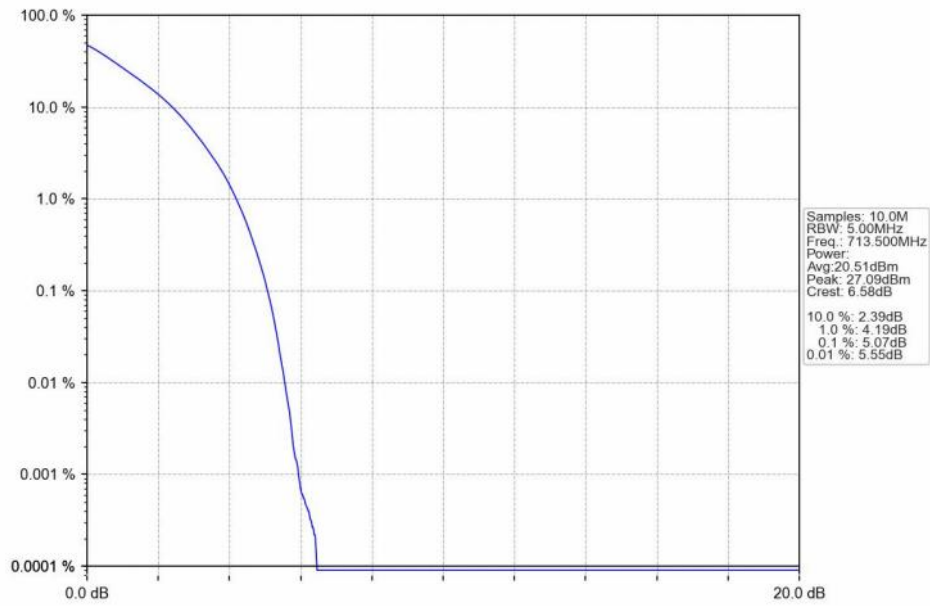
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.33	≤ 13	Pass
	710	50	0	5.28	≤ 13	Pass
	711	50	0	5.23	≤ 13	Pass
16QAM	709	50	0	6.11	≤ 13	Pass
	710	50	0	6.10	≤ 13	Pass
	711	50	0	6.04	≤ 13	Pass

5.2 Test Graph

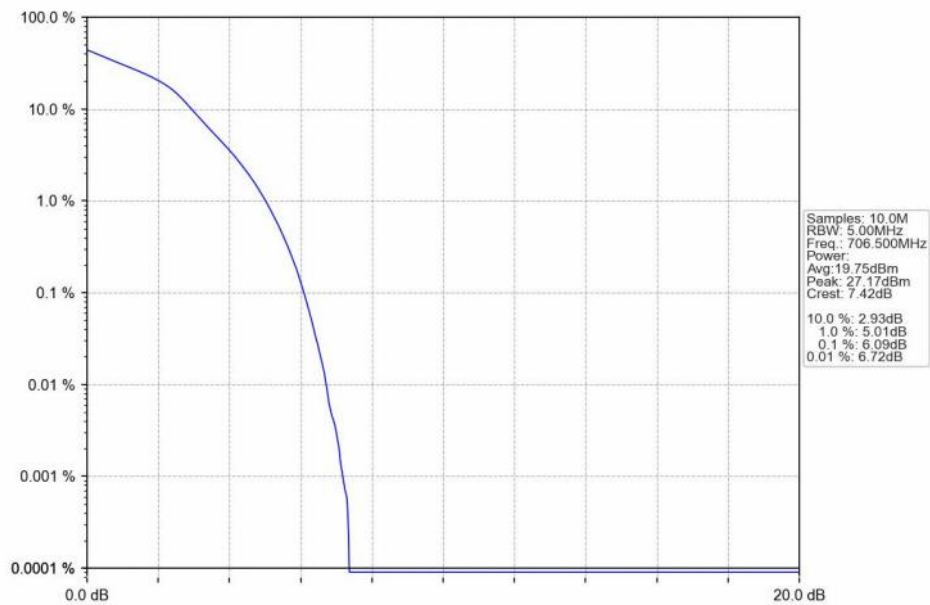
5.2.1 B17_5MHz



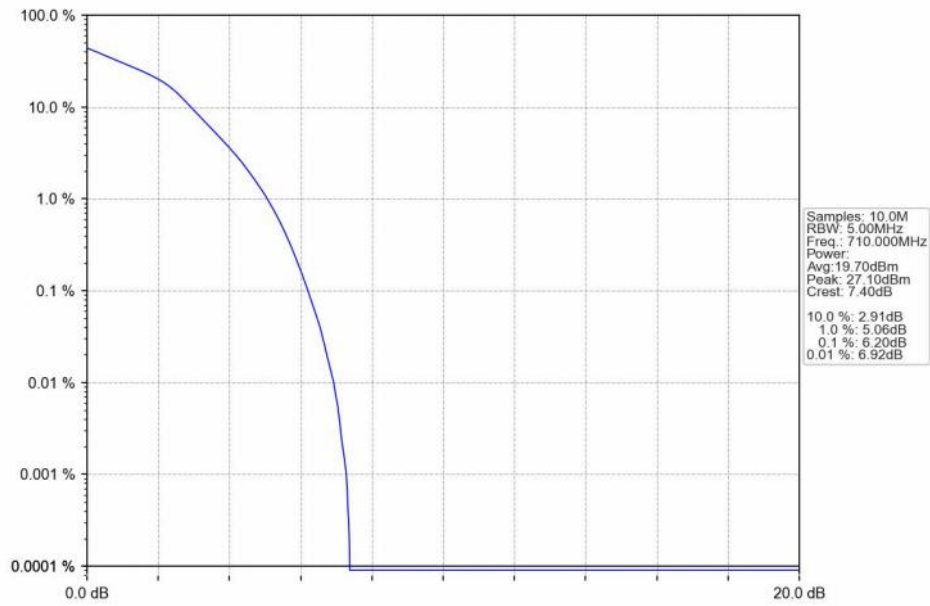
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



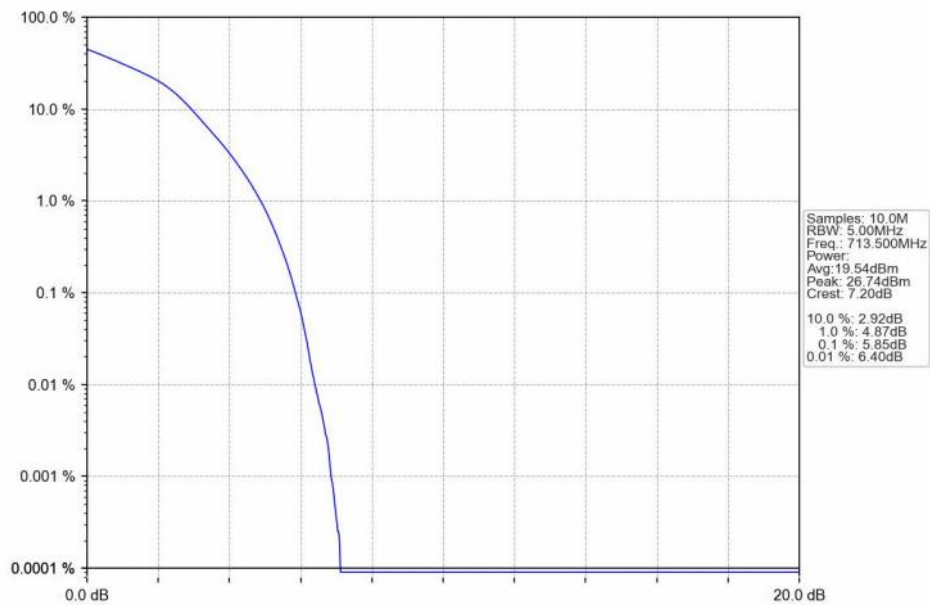
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



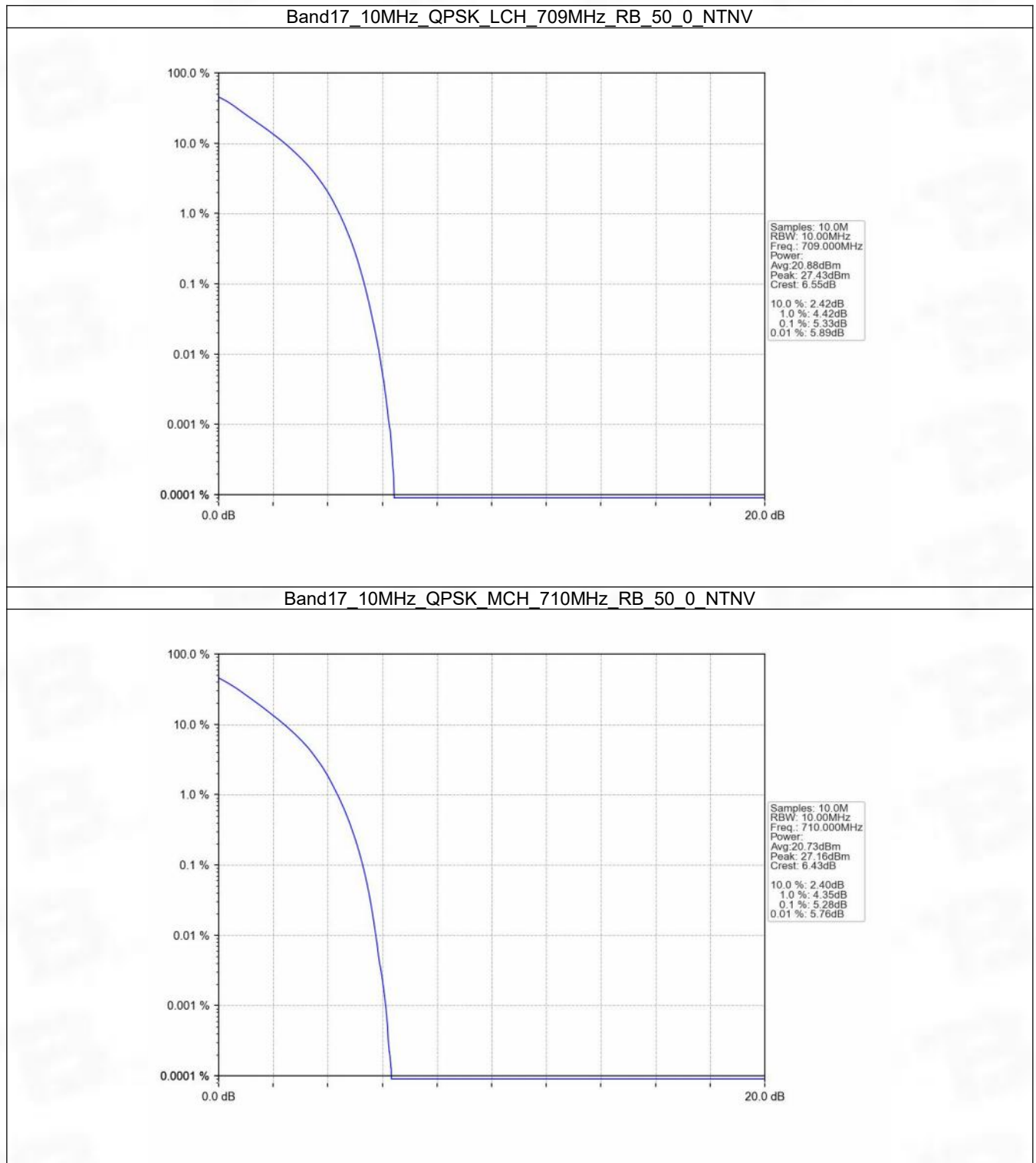
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



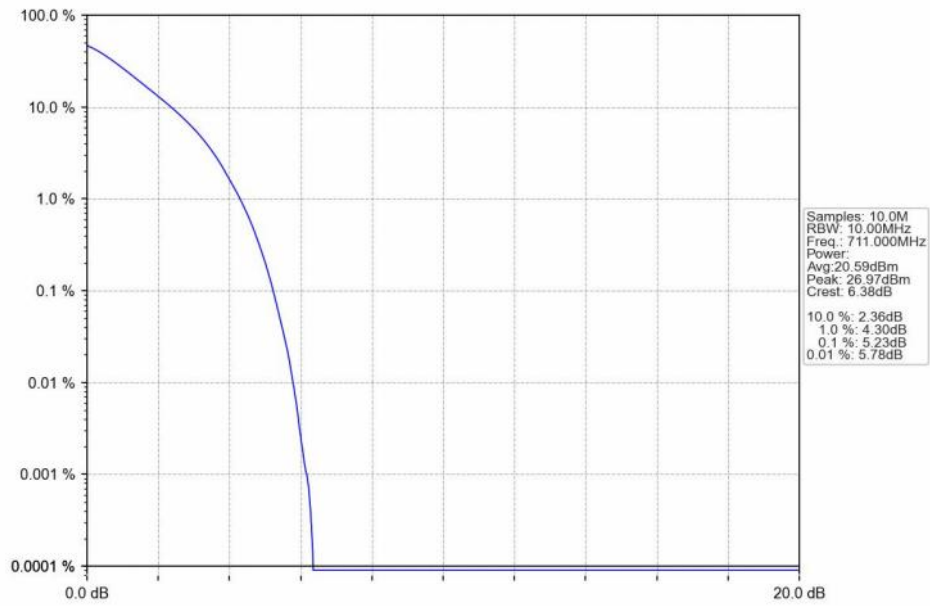
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



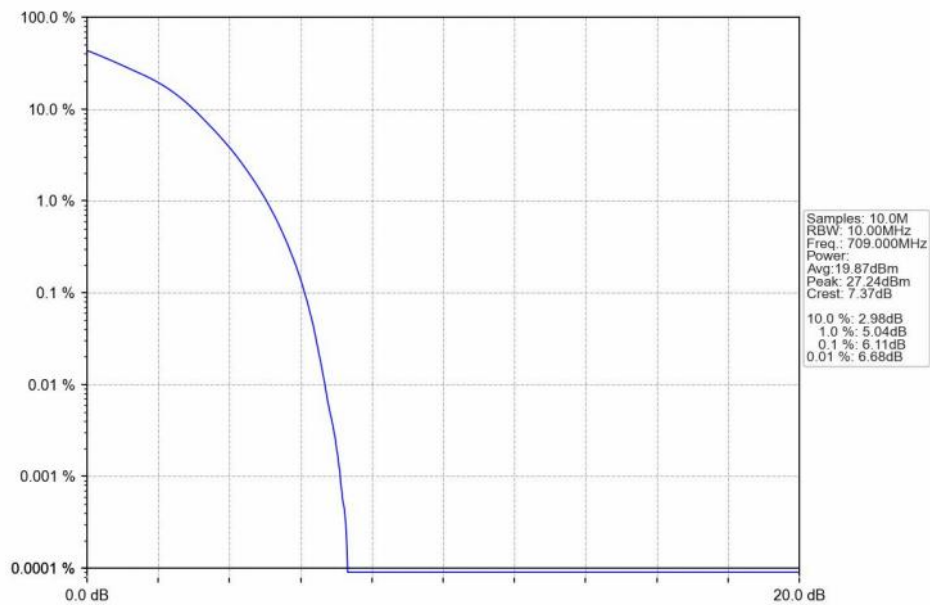
5.2.2 B17_10MHz



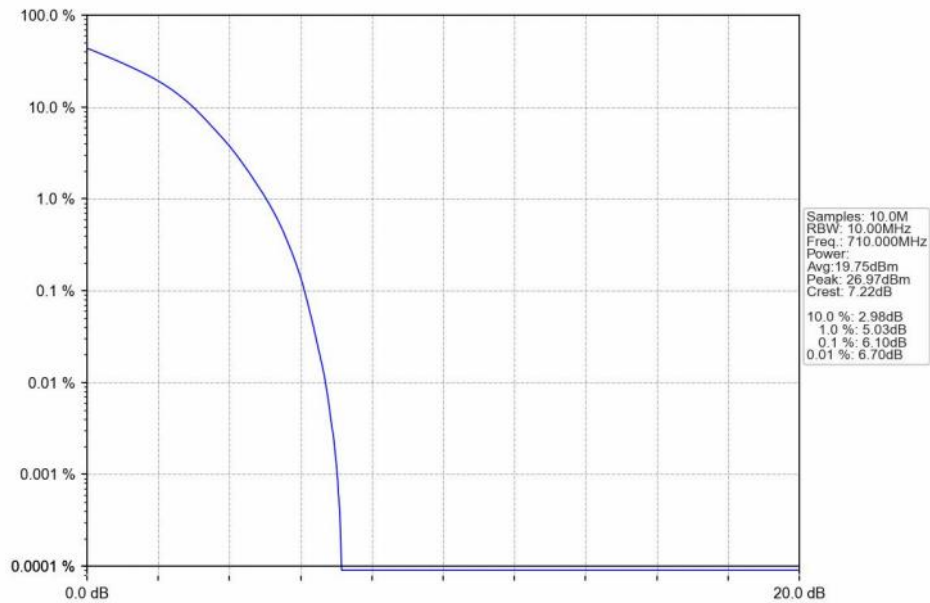
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



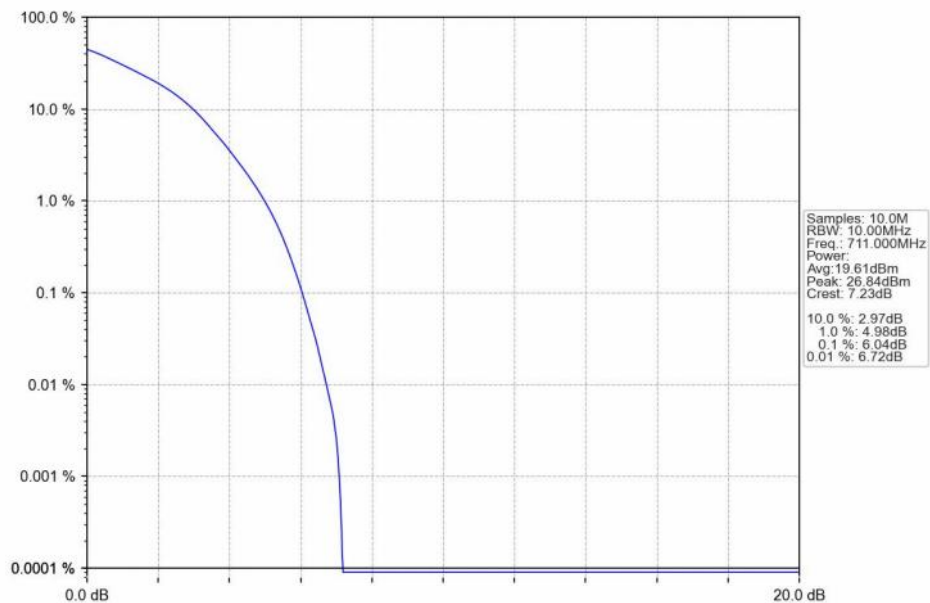
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

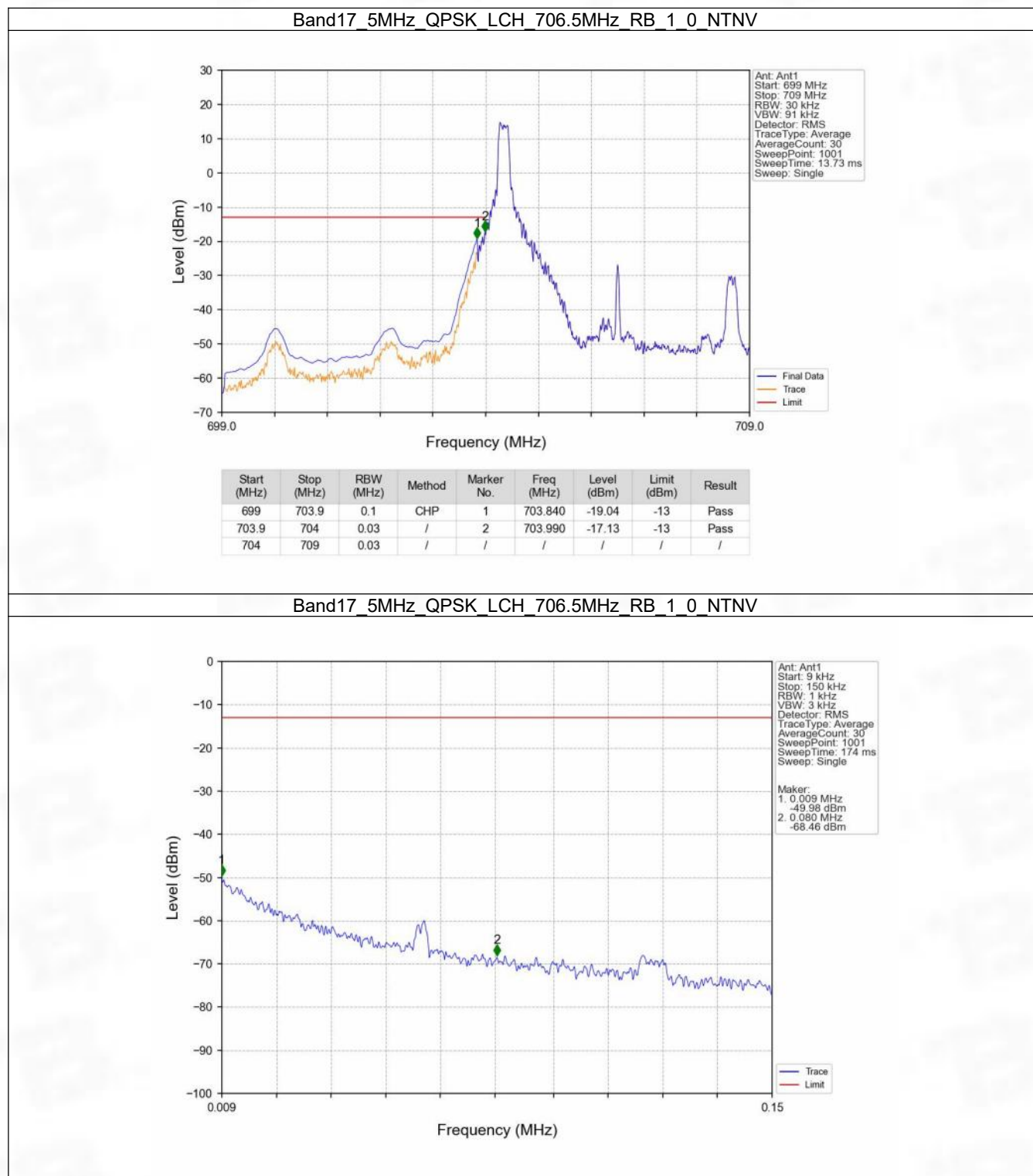
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

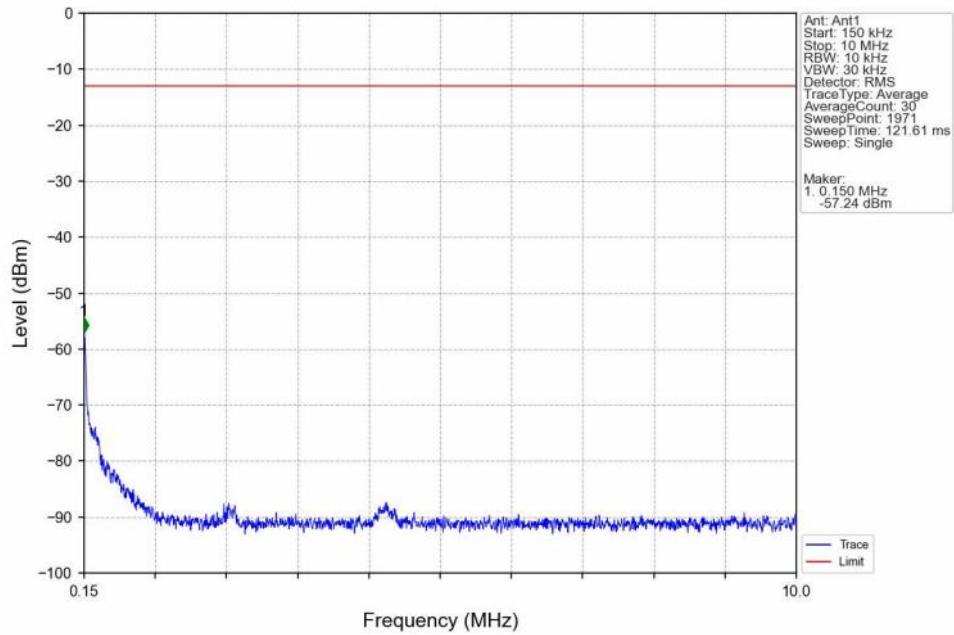
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

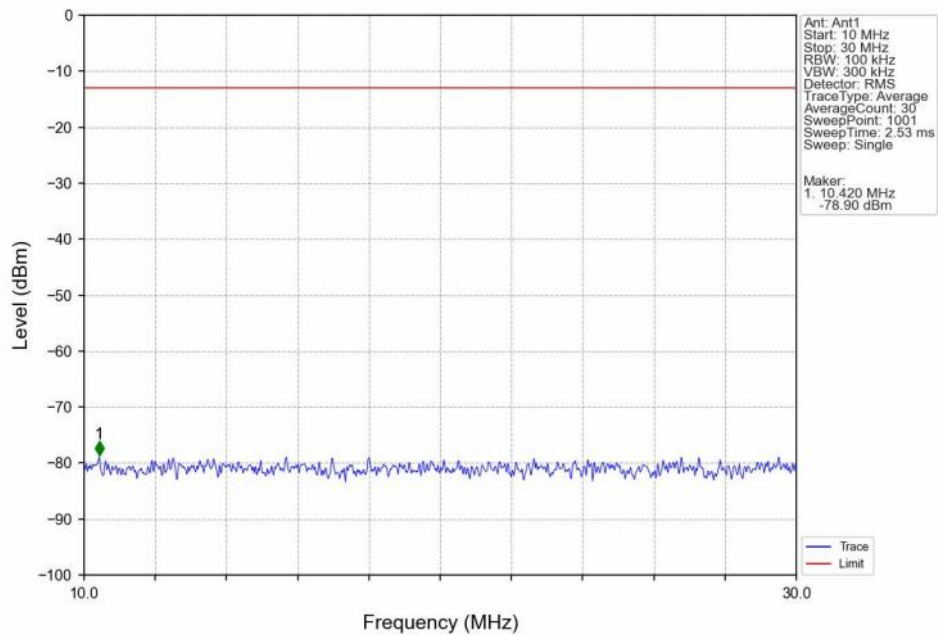
6.2.1 B17_5MHz



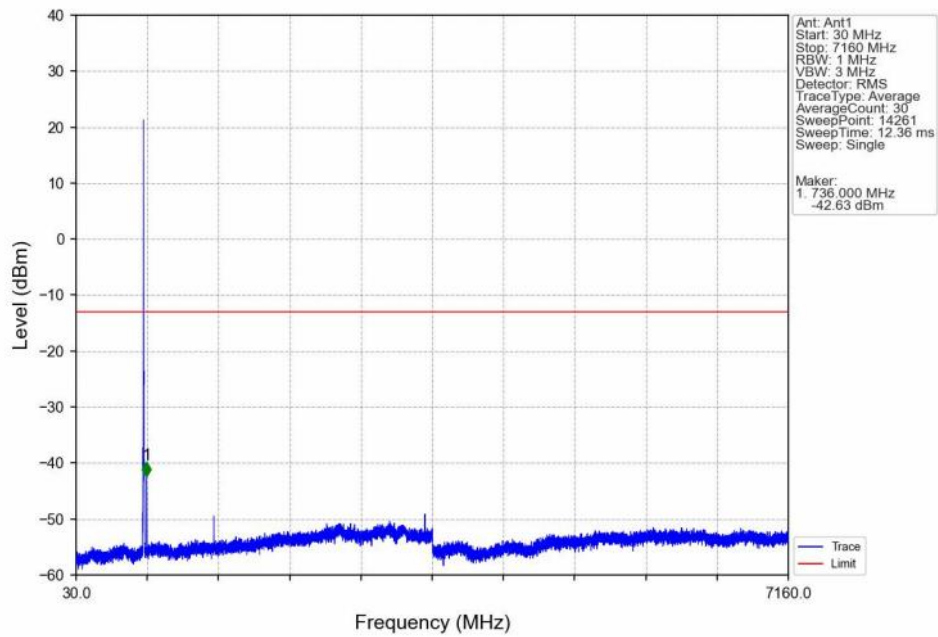
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



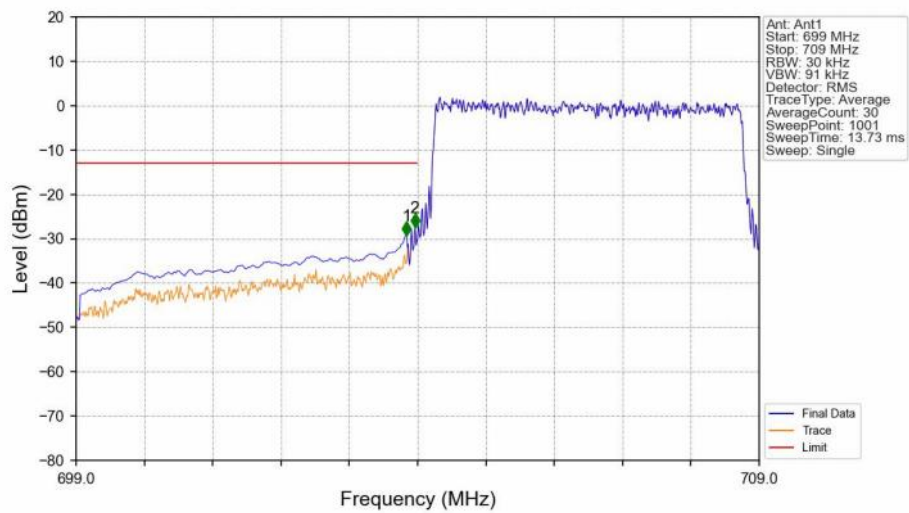
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

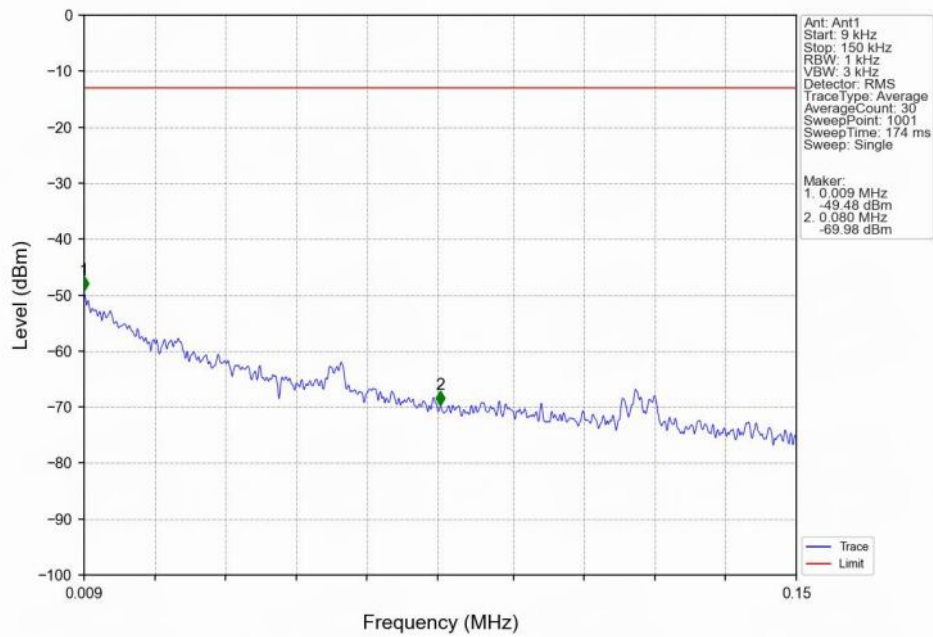


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

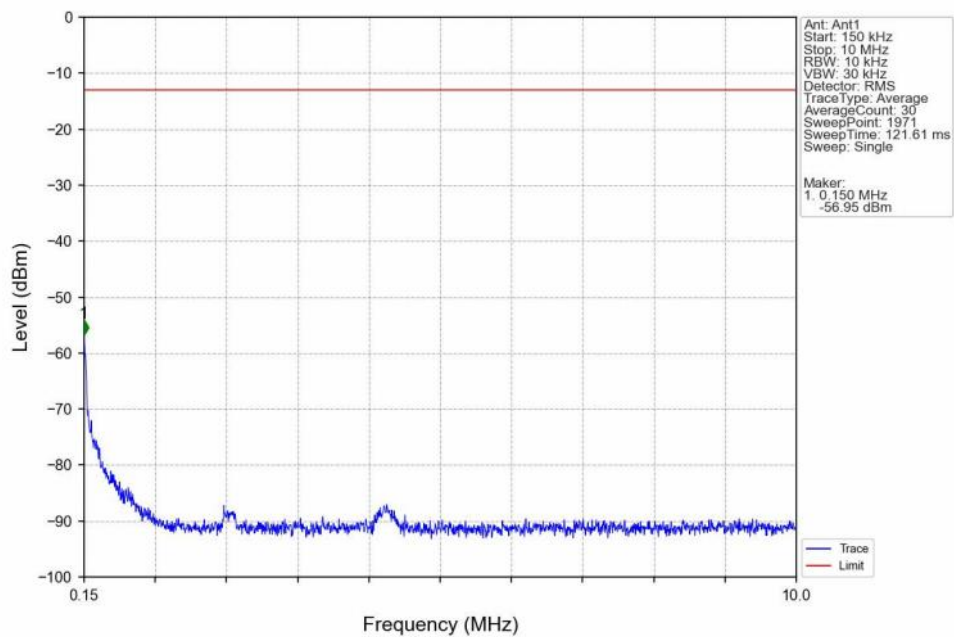


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-29.38	-13	Pass
703.9	704	0.03	/	2	703.960	-27.42	-13	Pass
704	709	0.03	/	/	/	/	/	/

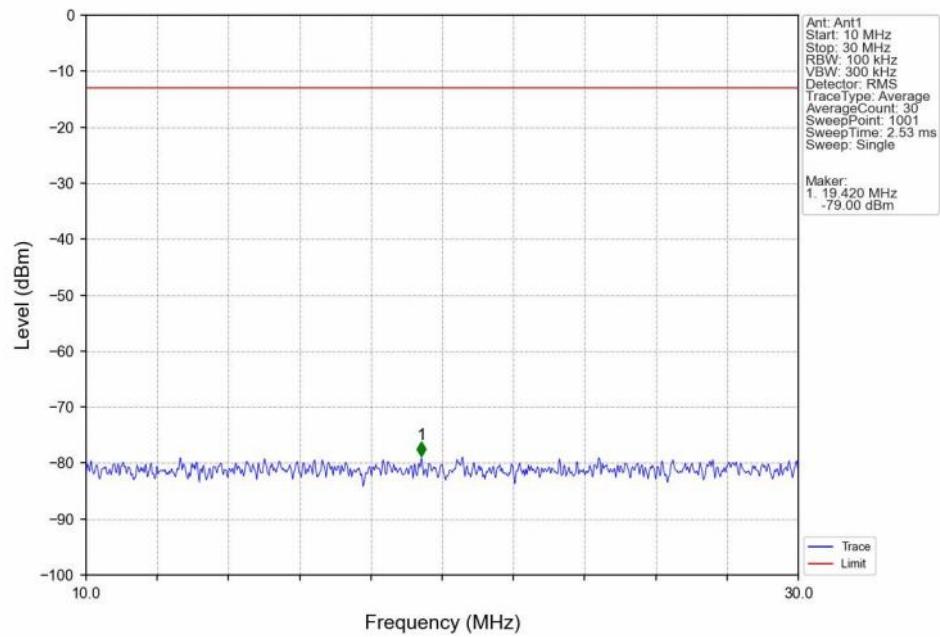
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



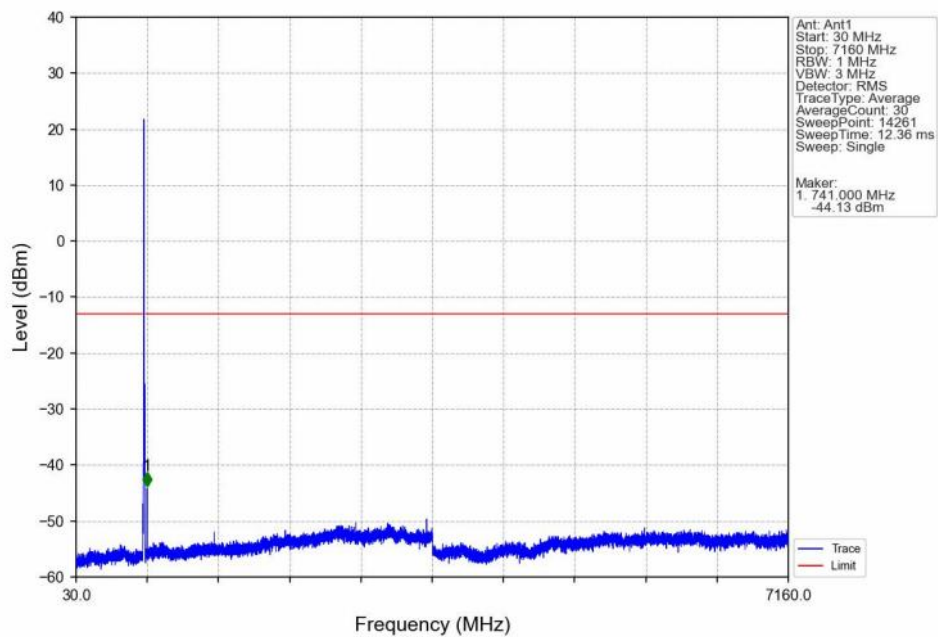
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



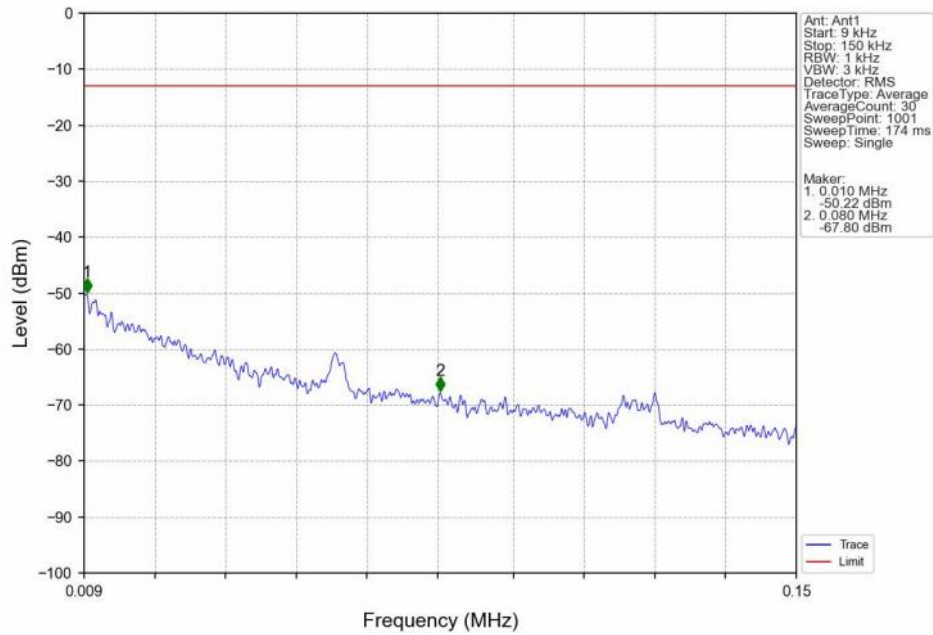
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



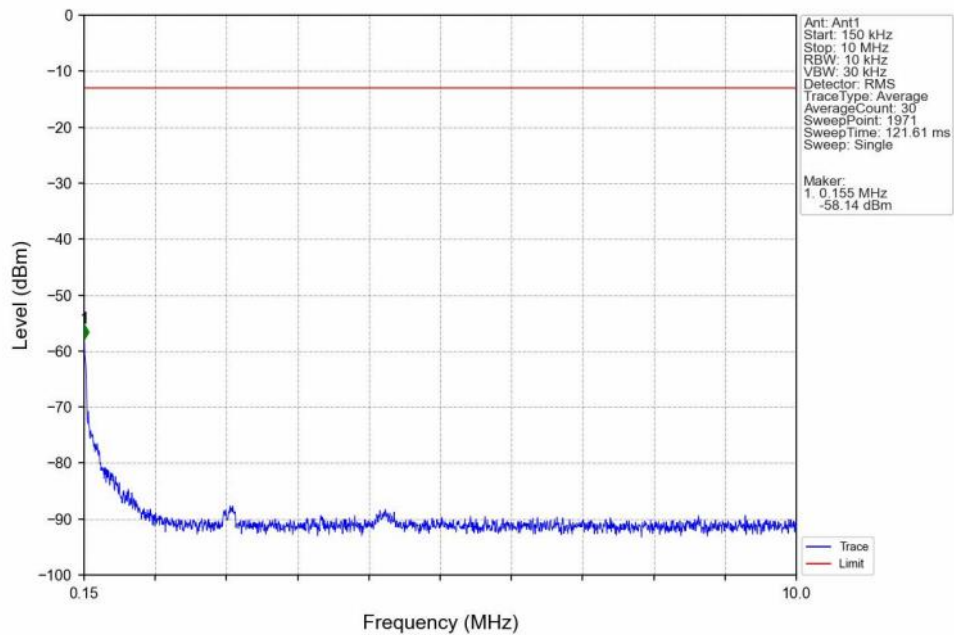
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



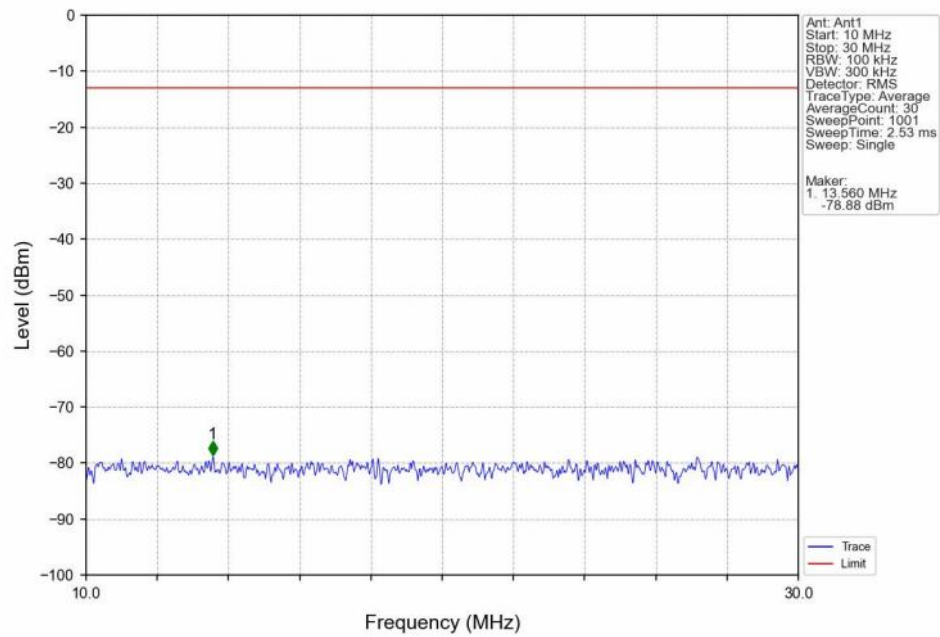
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



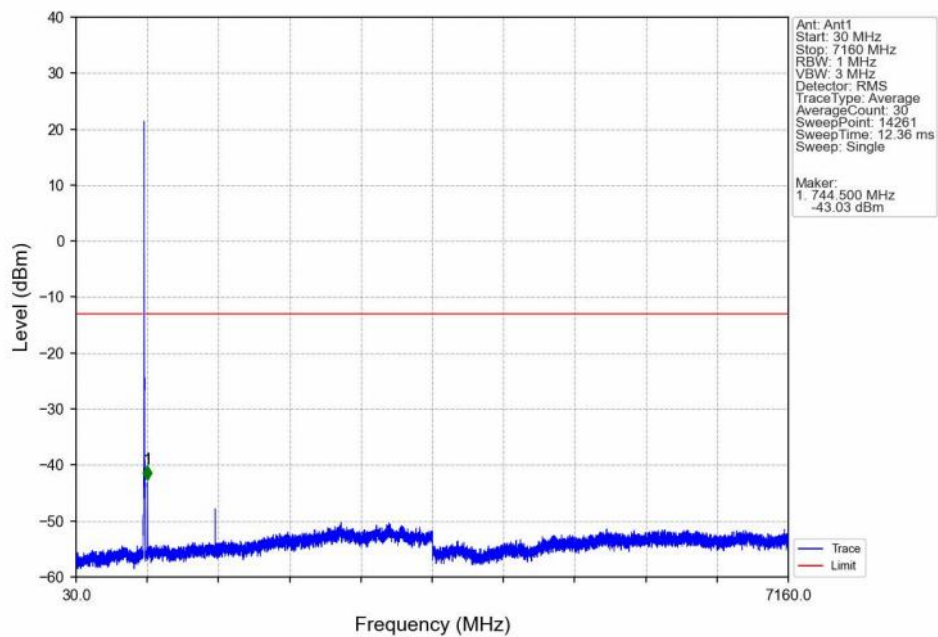
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



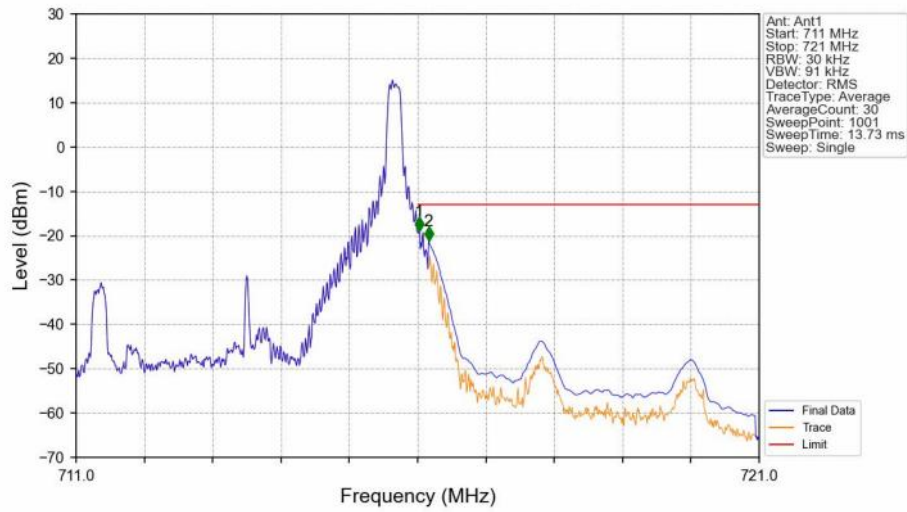
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

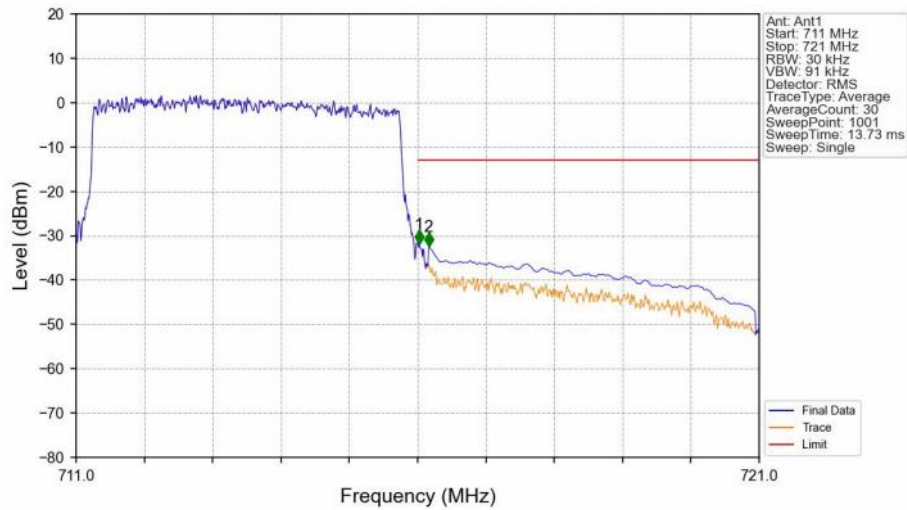


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



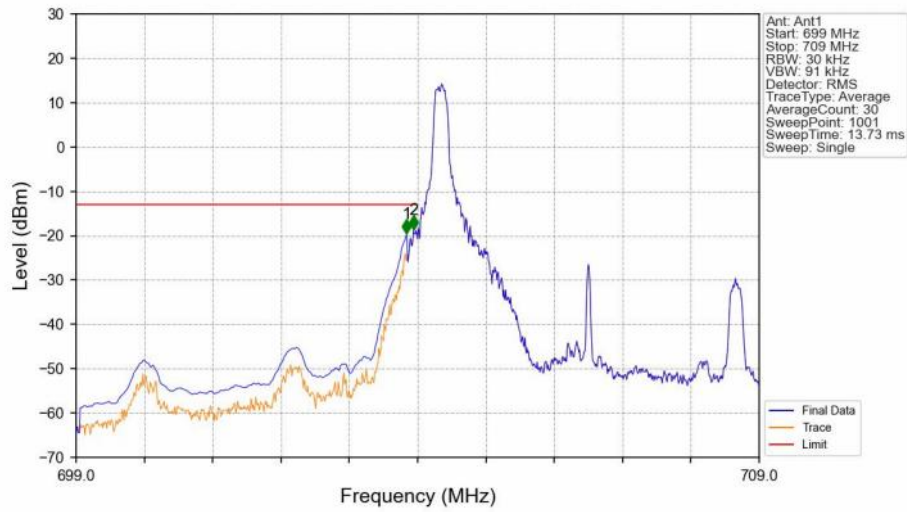
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-18.88	-13	Pass
716.1	721	0.1	CHP	2	716.160	-21.08	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

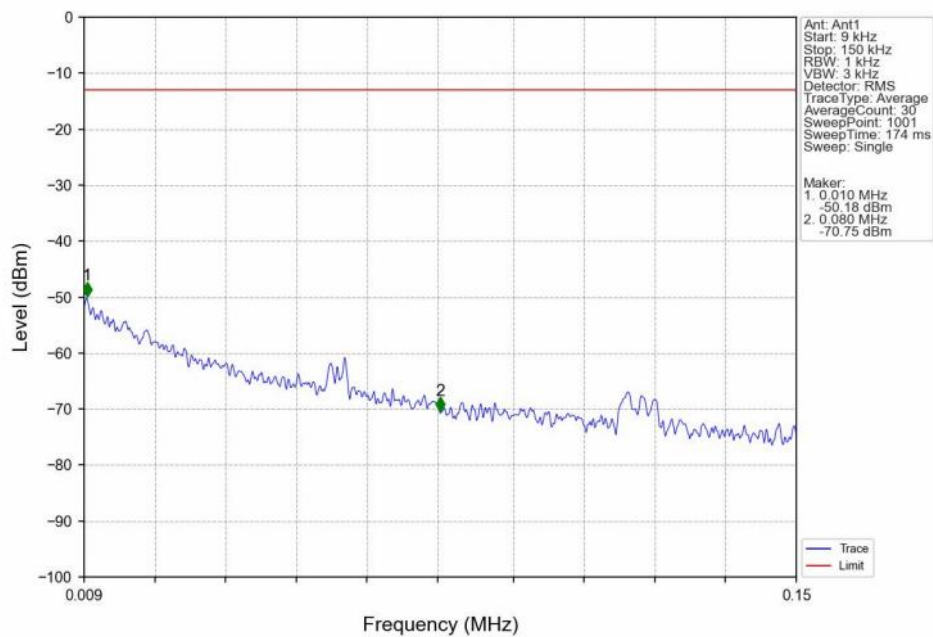


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-31.92	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.43	-13	Pass

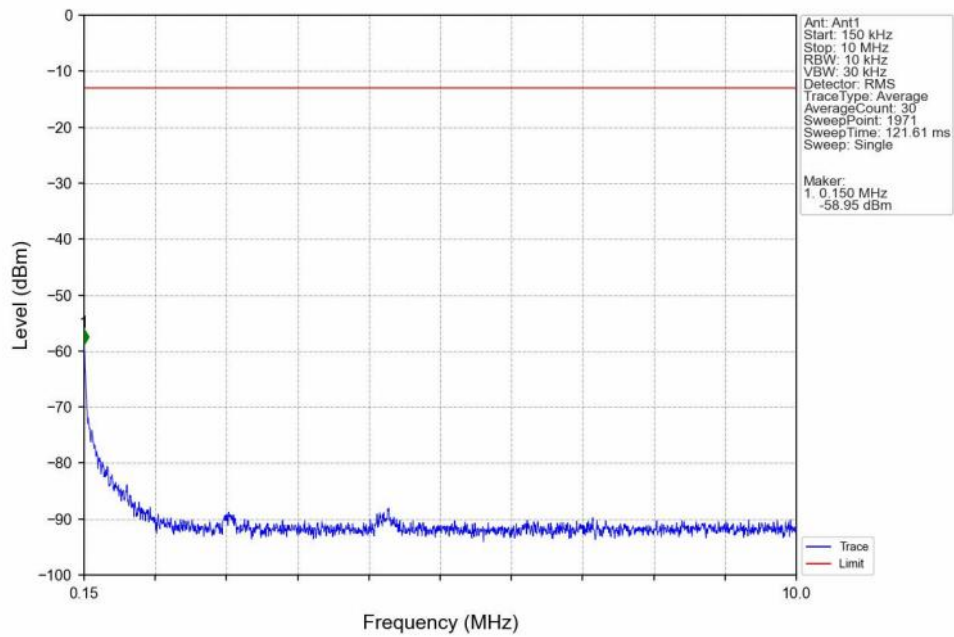
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



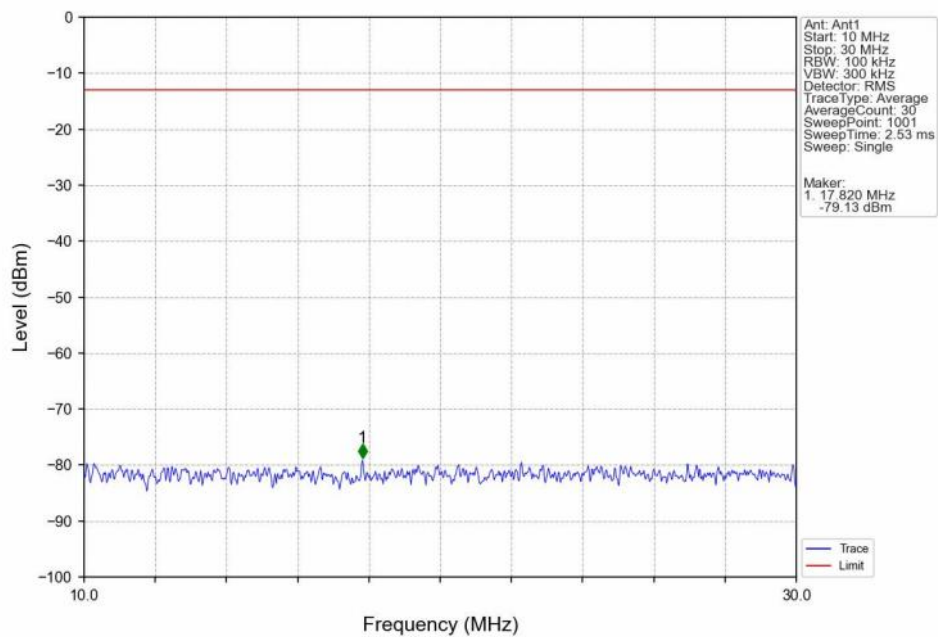
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



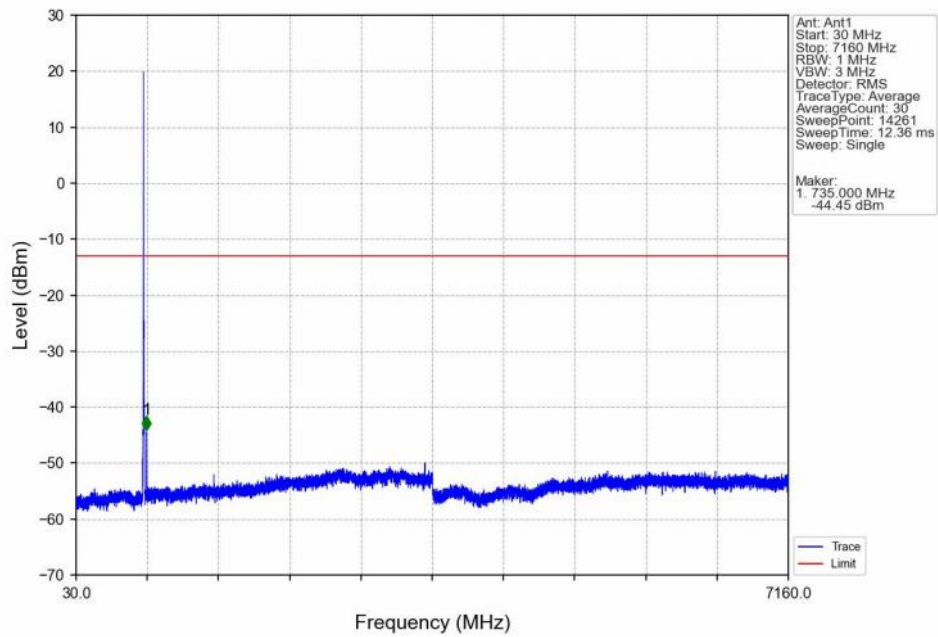
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



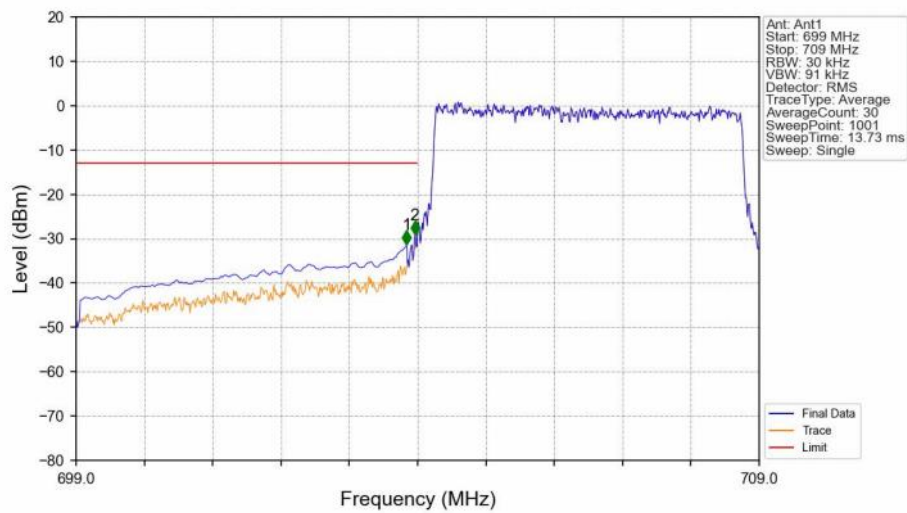
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

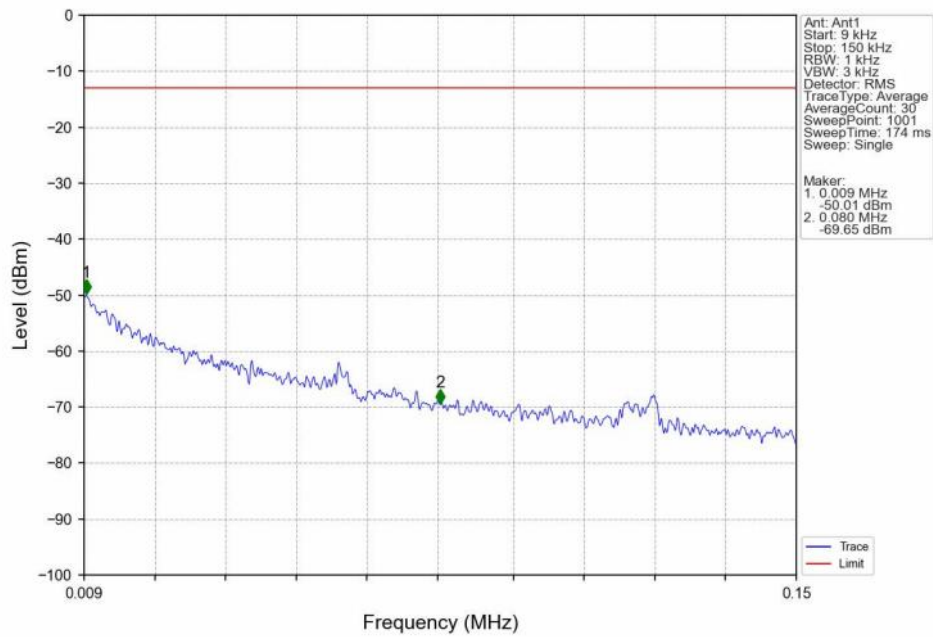


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

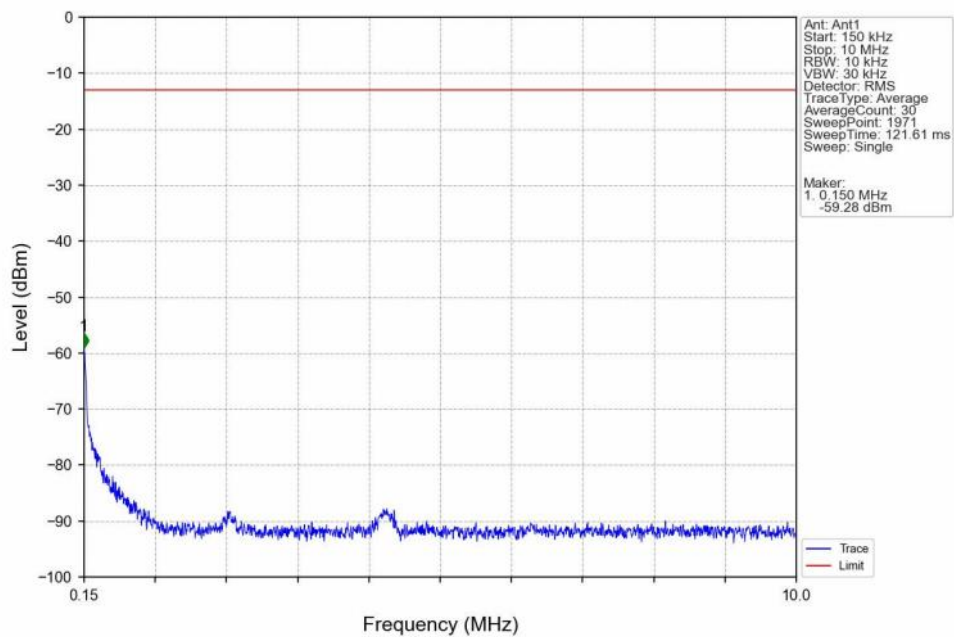


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-31.26	-13	Pass
703.9	704	0.03	/	2	703.960	-29.15	-13	Pass
704	709	0.03	/	/	/	/	/	/

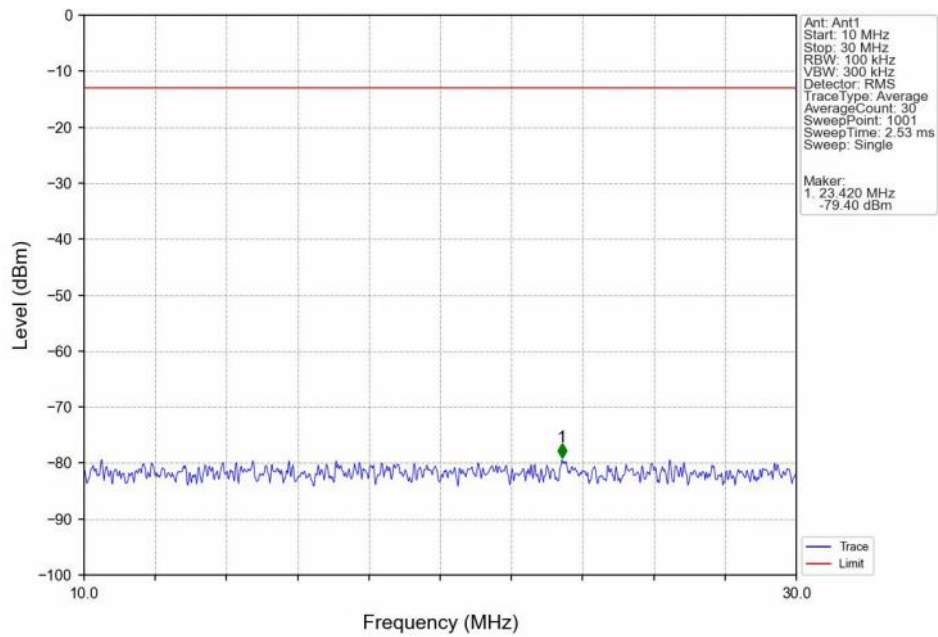
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



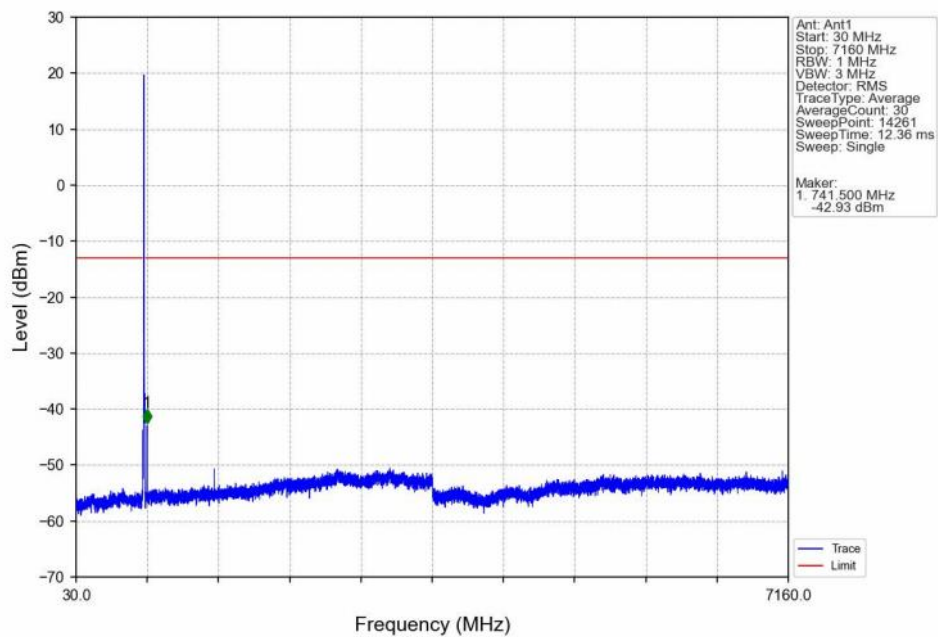
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



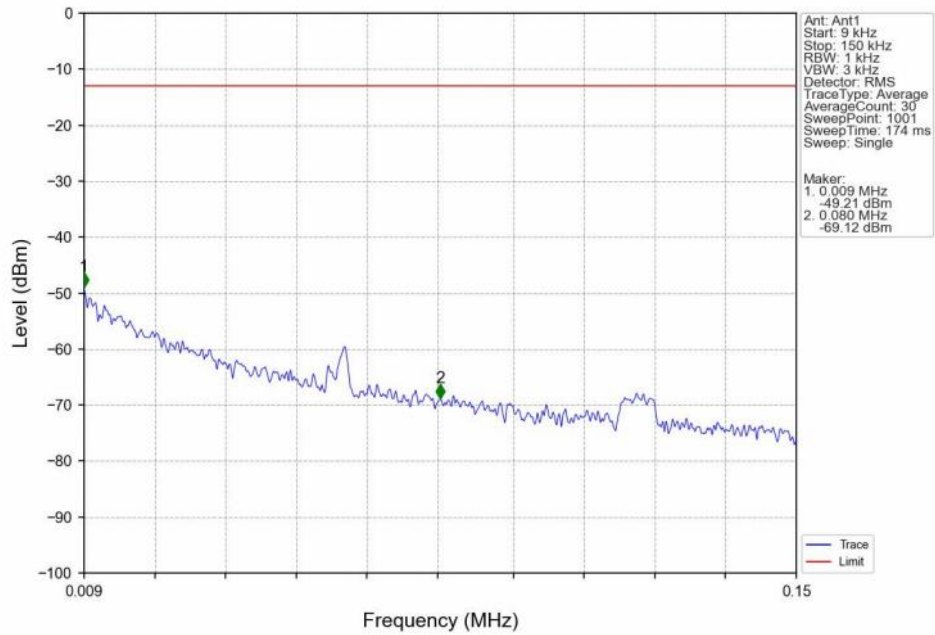
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



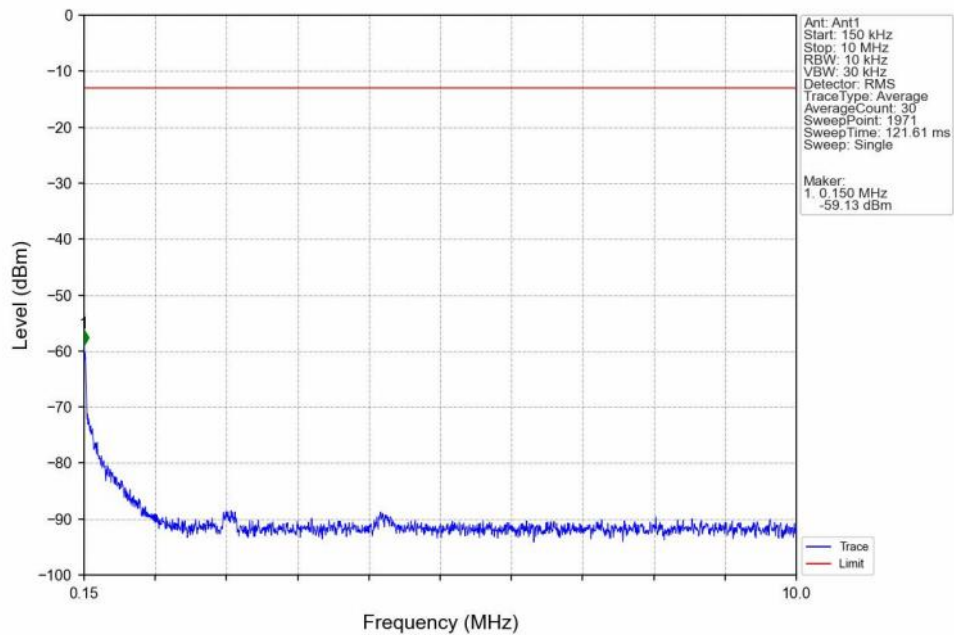
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



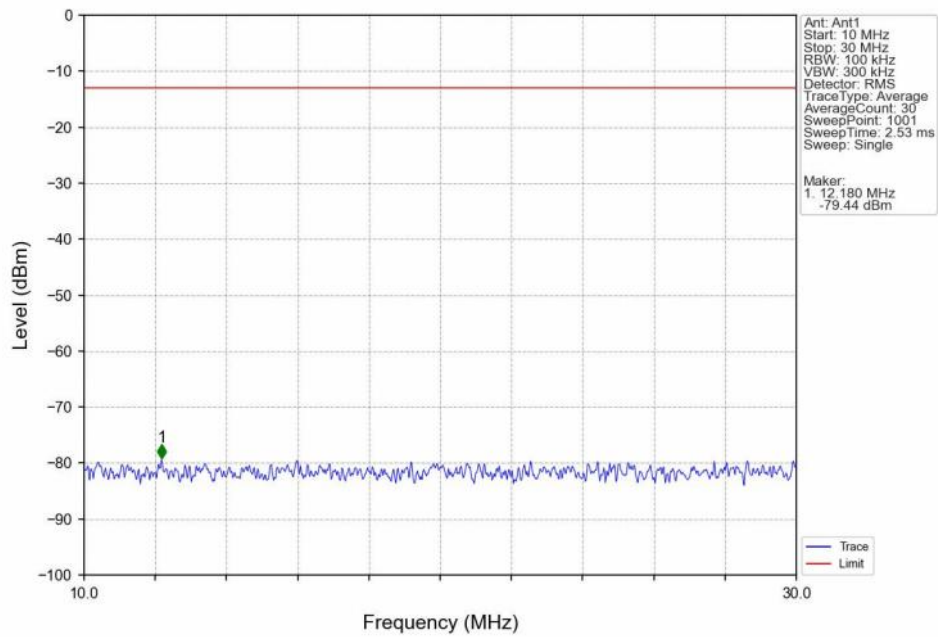
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



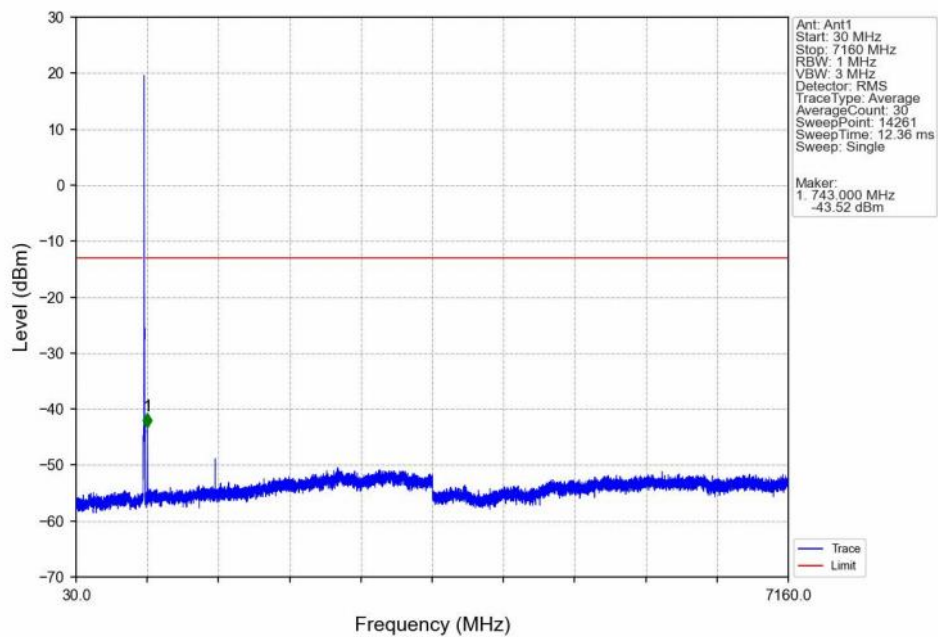
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



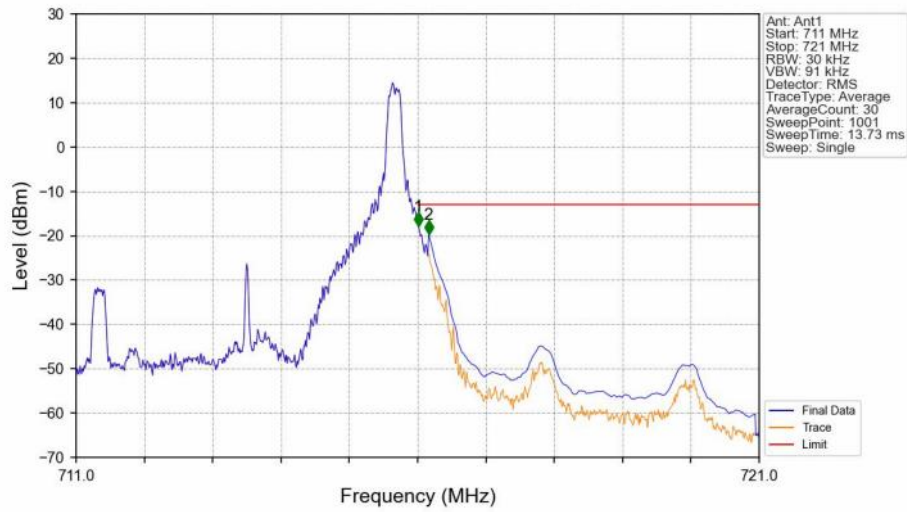
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



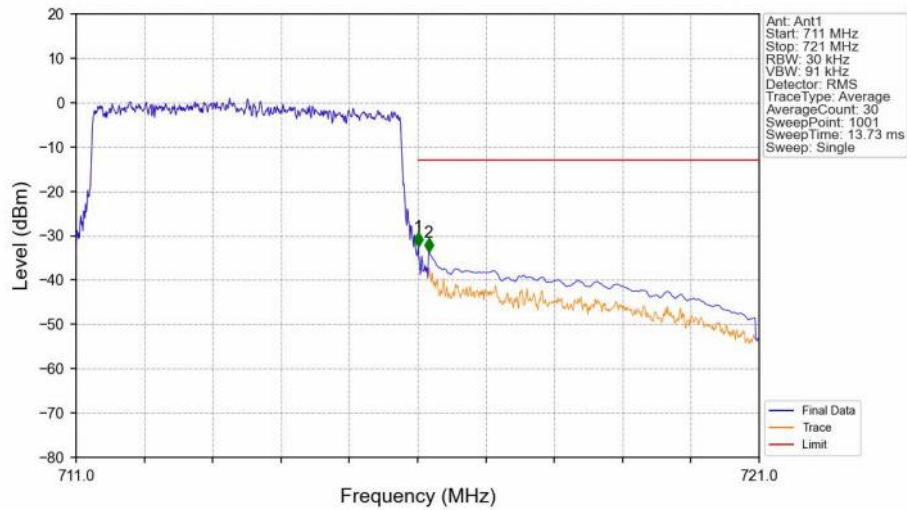
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



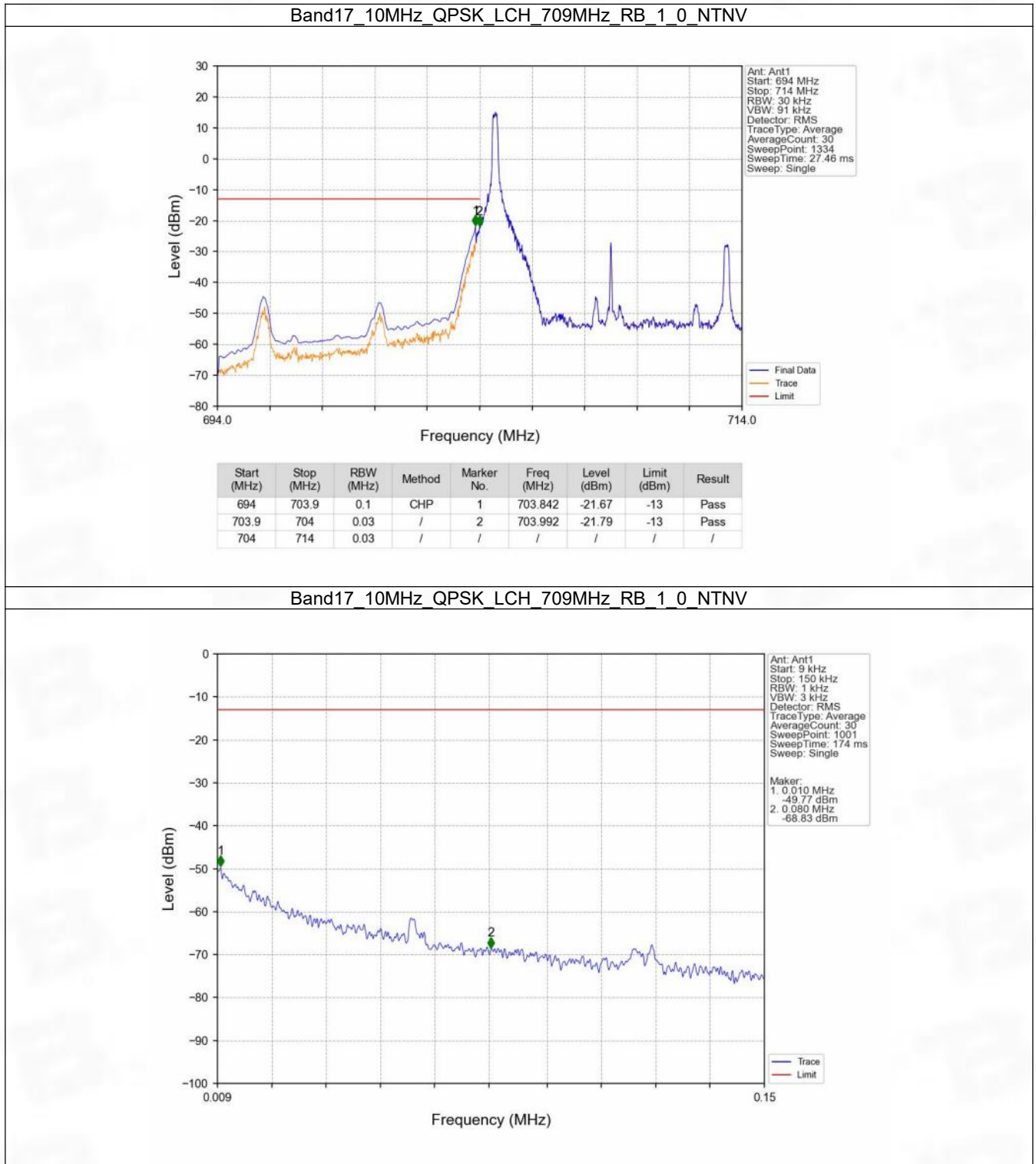
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



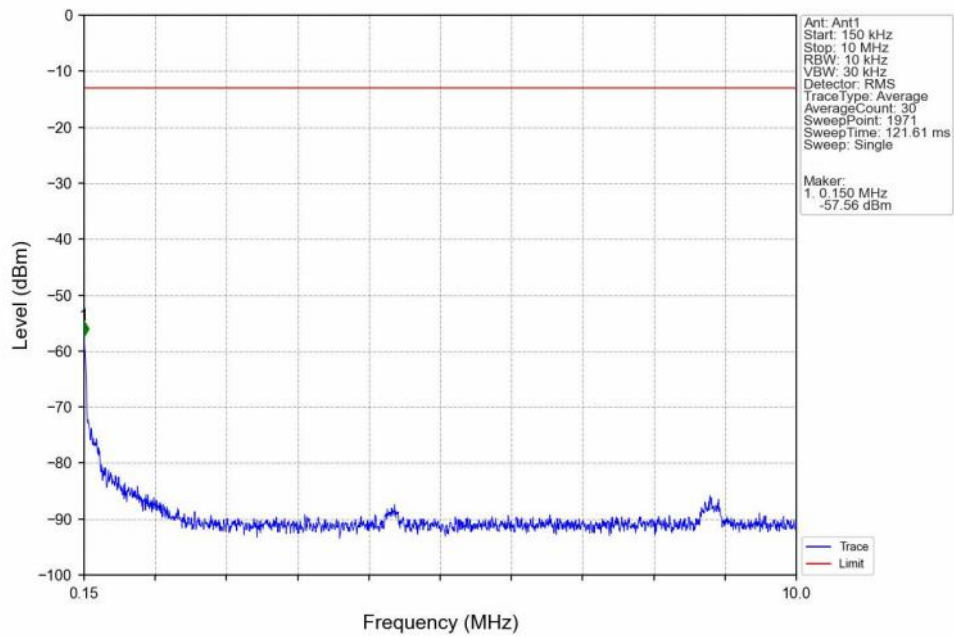
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



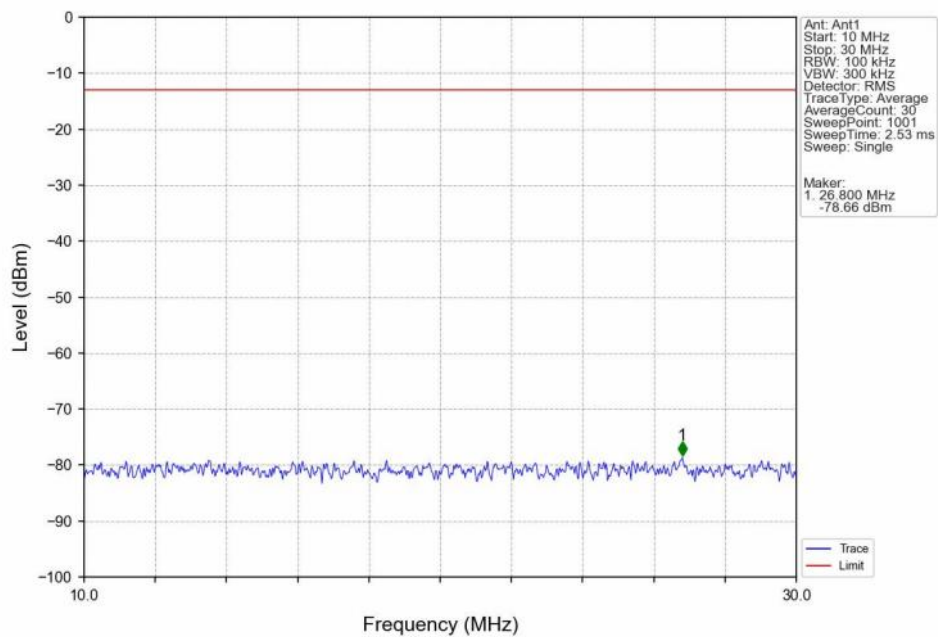
6.2.2 B17_10MHz



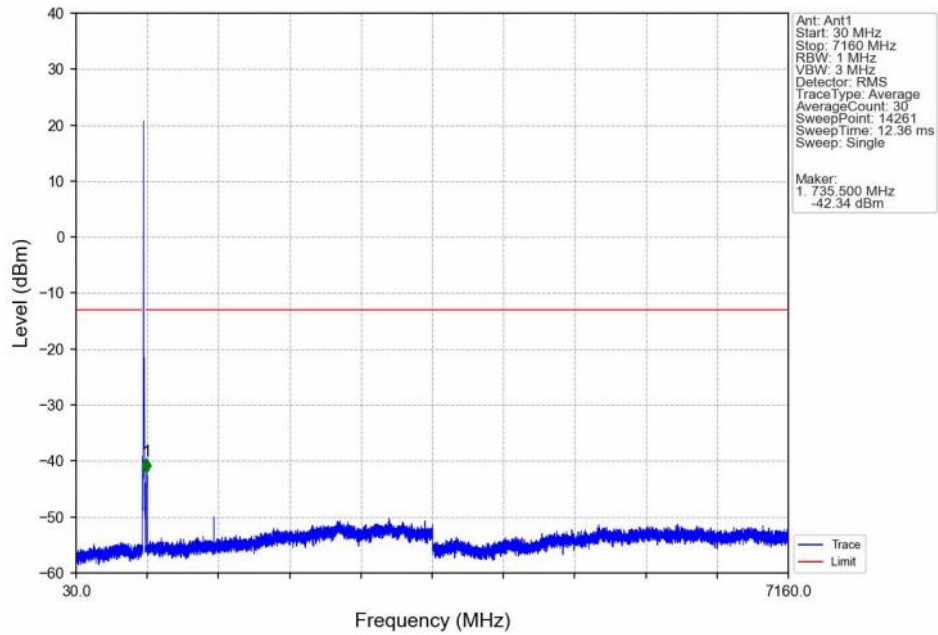
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



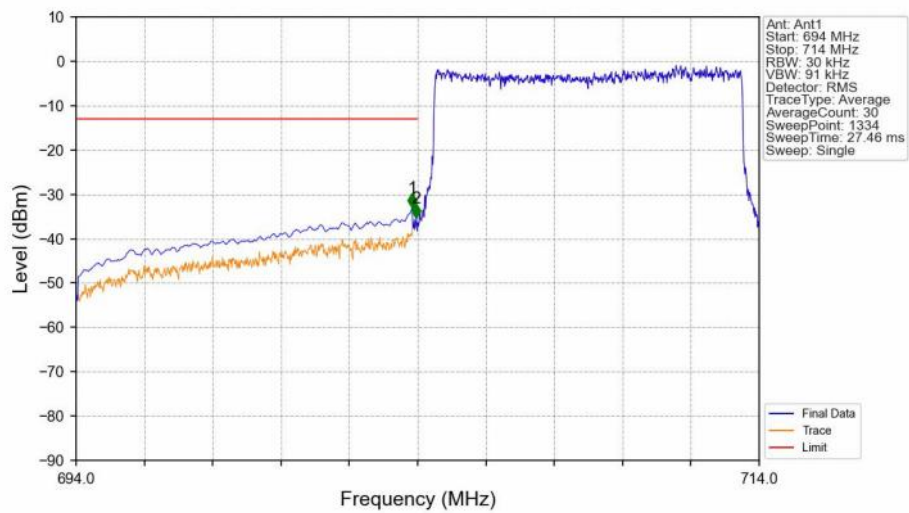
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

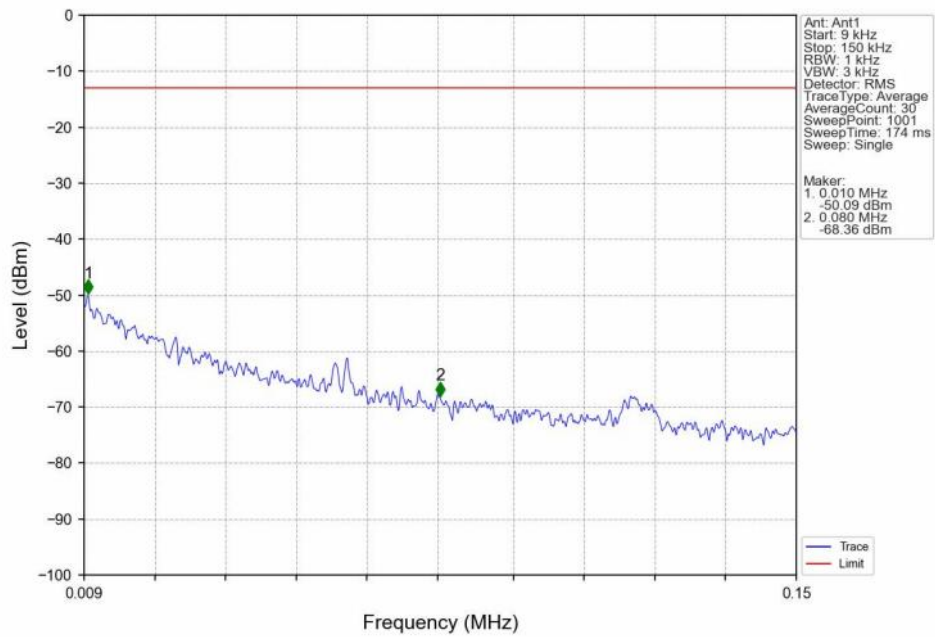


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

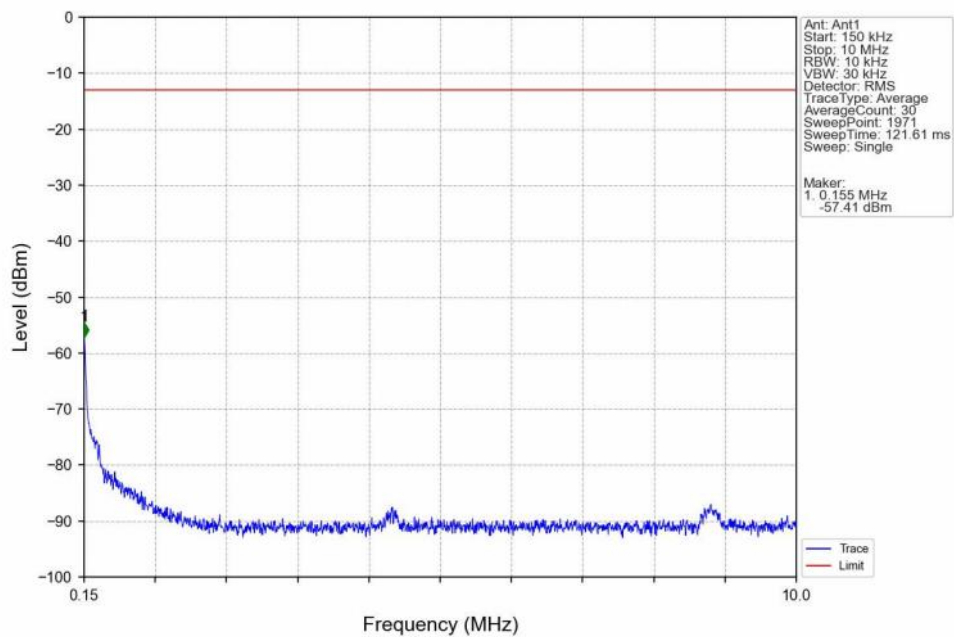


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-32.85	-13	Pass
703.9	704	0.03	/	2	703.962	-35.37	-13	Pass
704	714	0.03	/	/	/	/	/	/

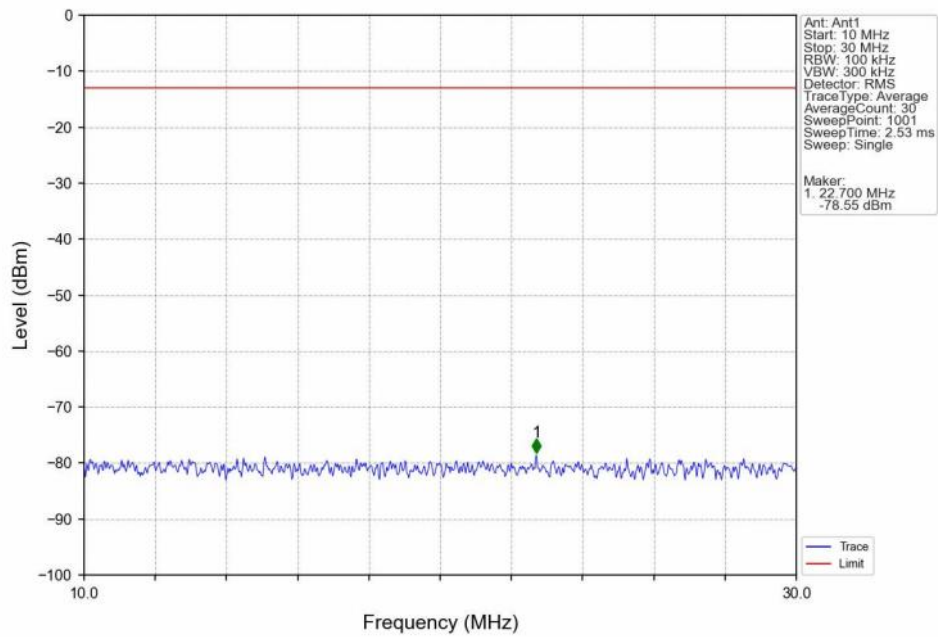
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



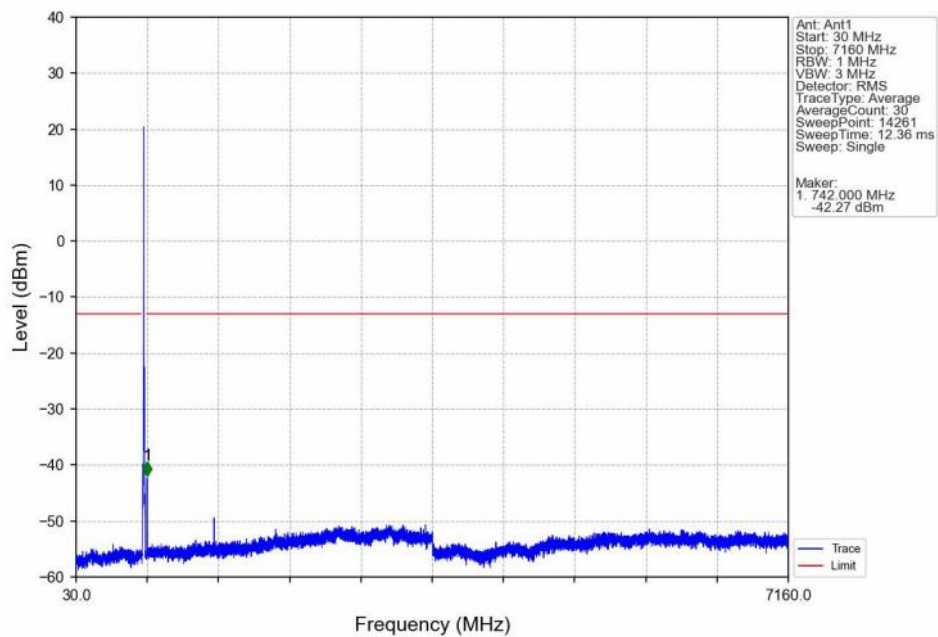
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



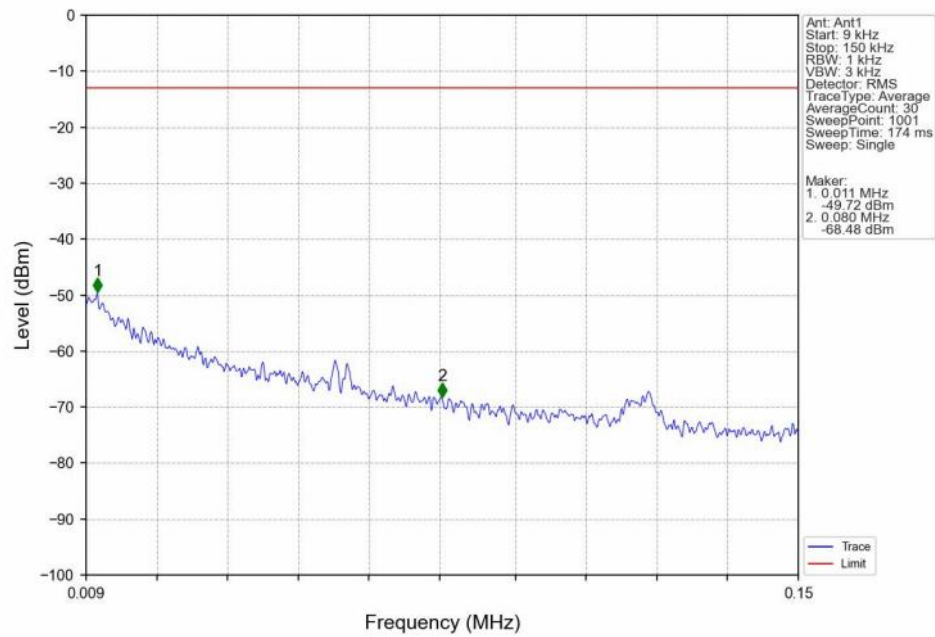
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



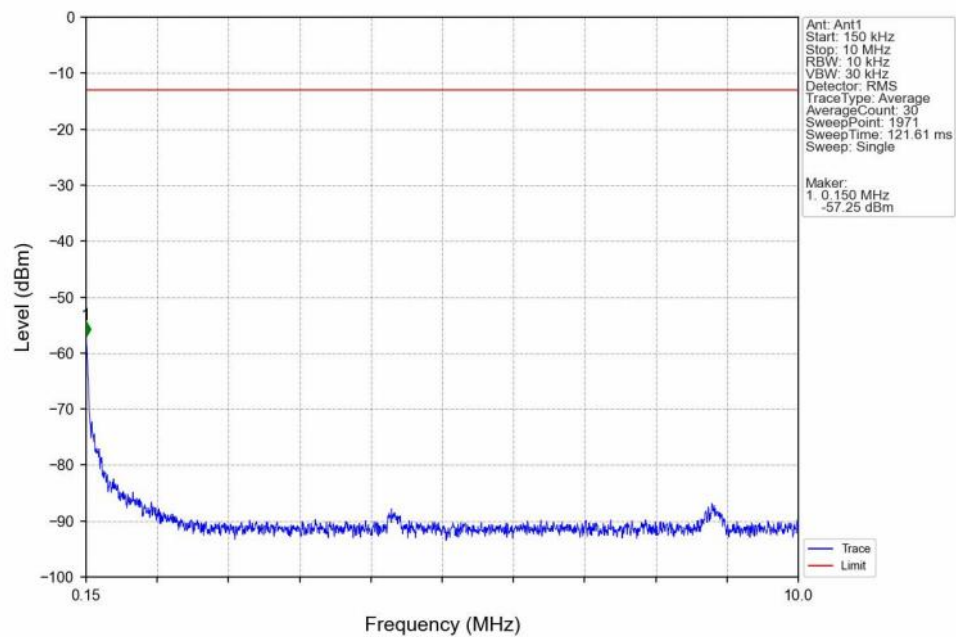
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



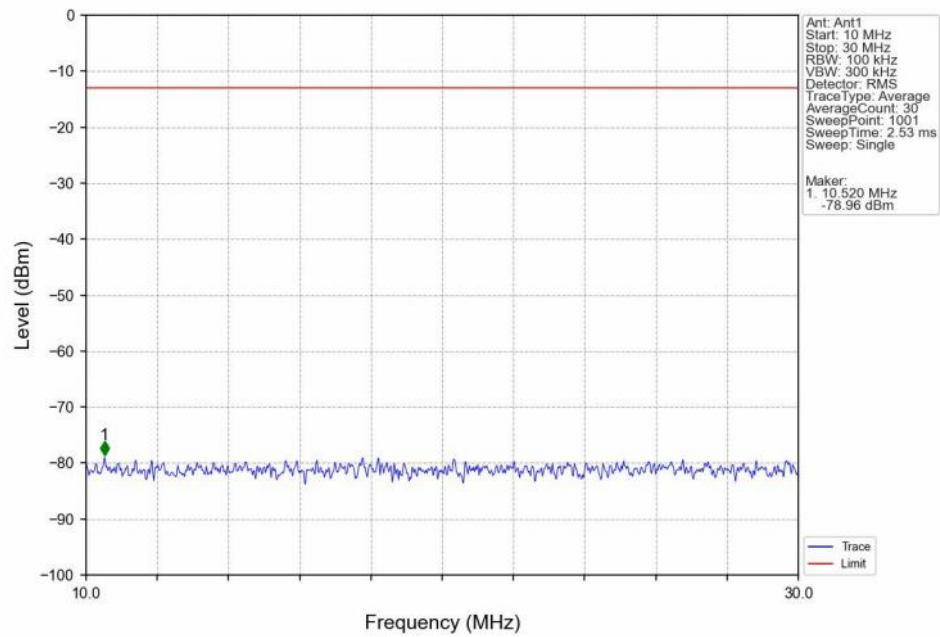
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



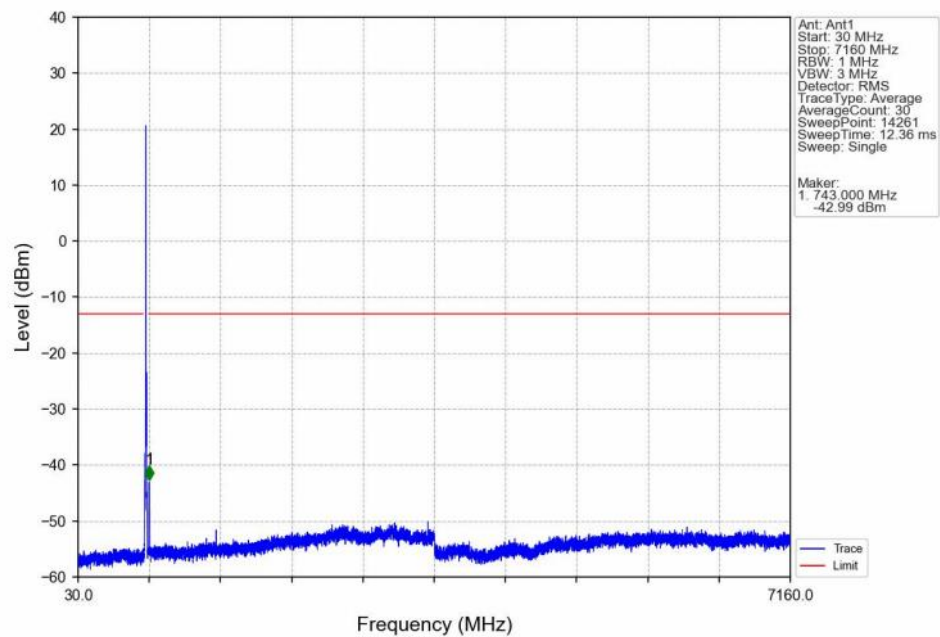
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



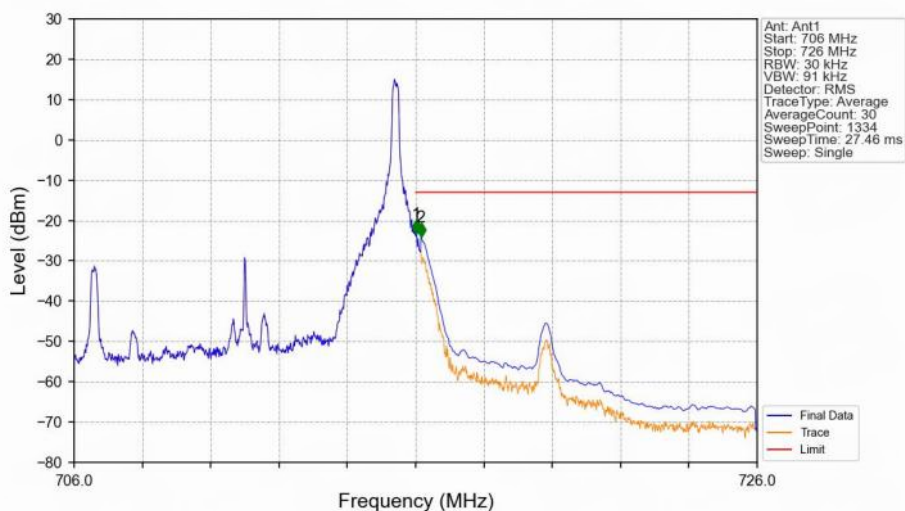
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

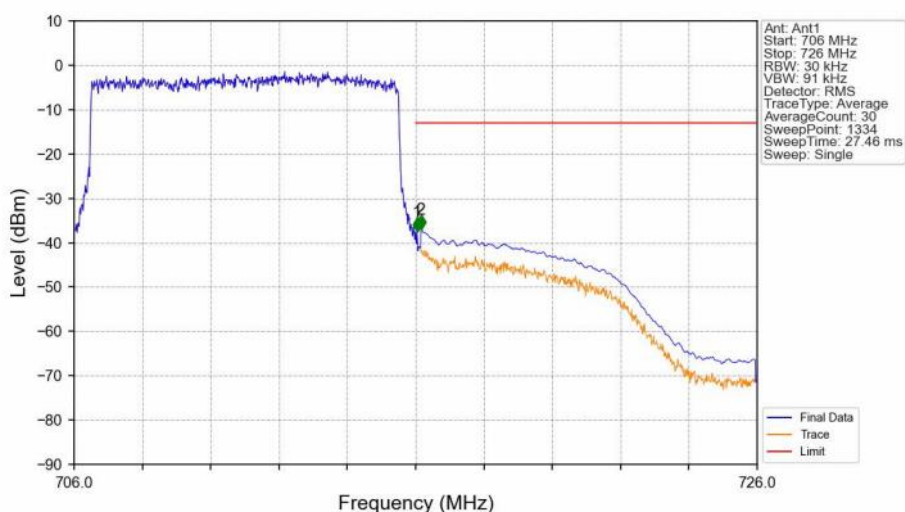


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



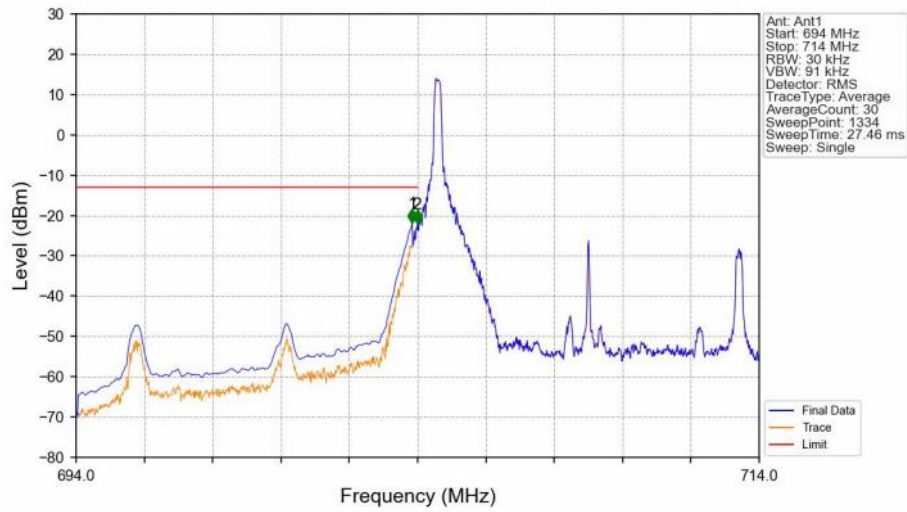
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-23.23	-13	Pass
716.1	726	0.1	CHP	2	716.158	-24.00	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

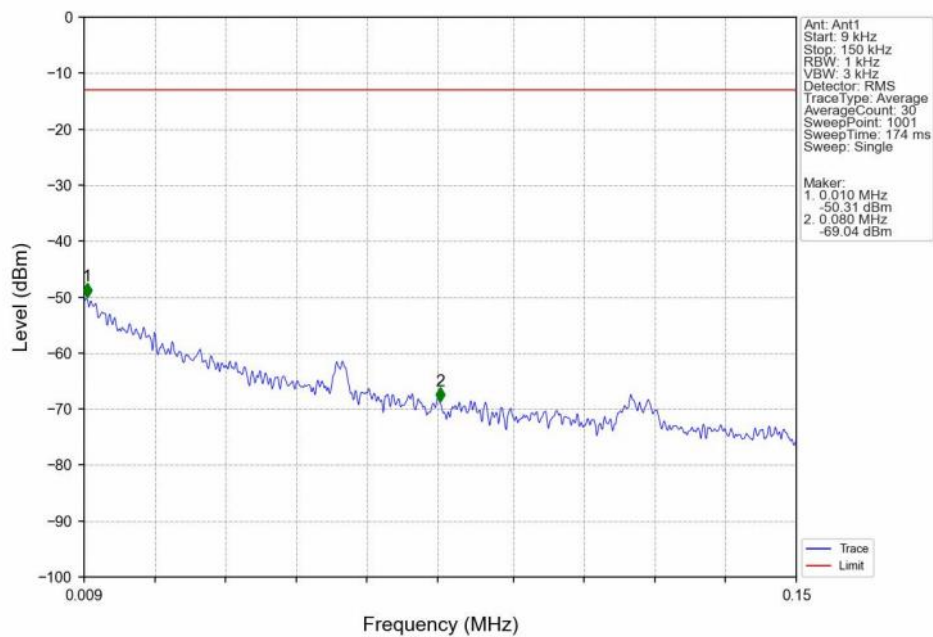


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-37.57	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.97	-13	Pass

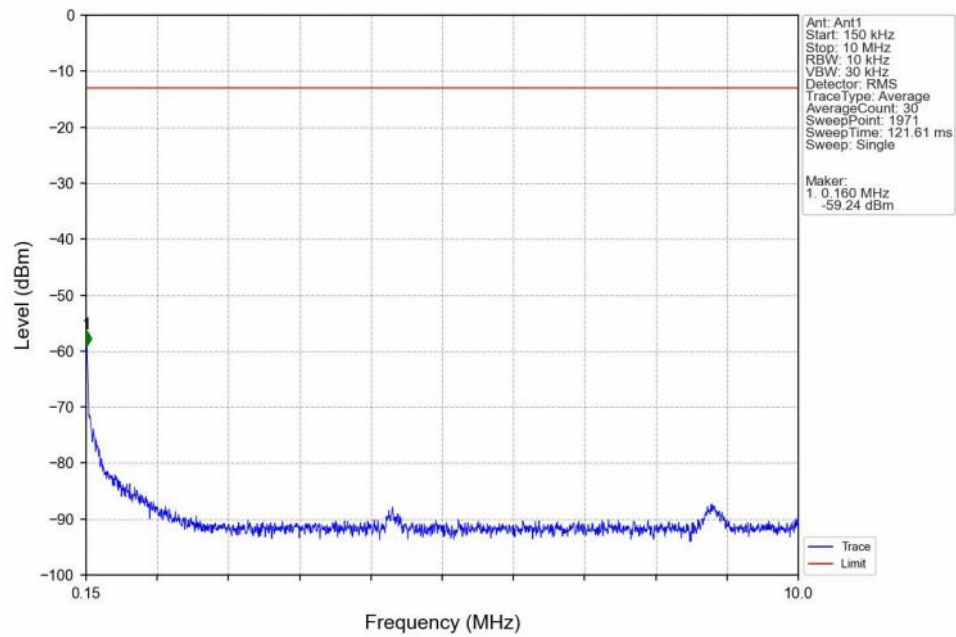
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



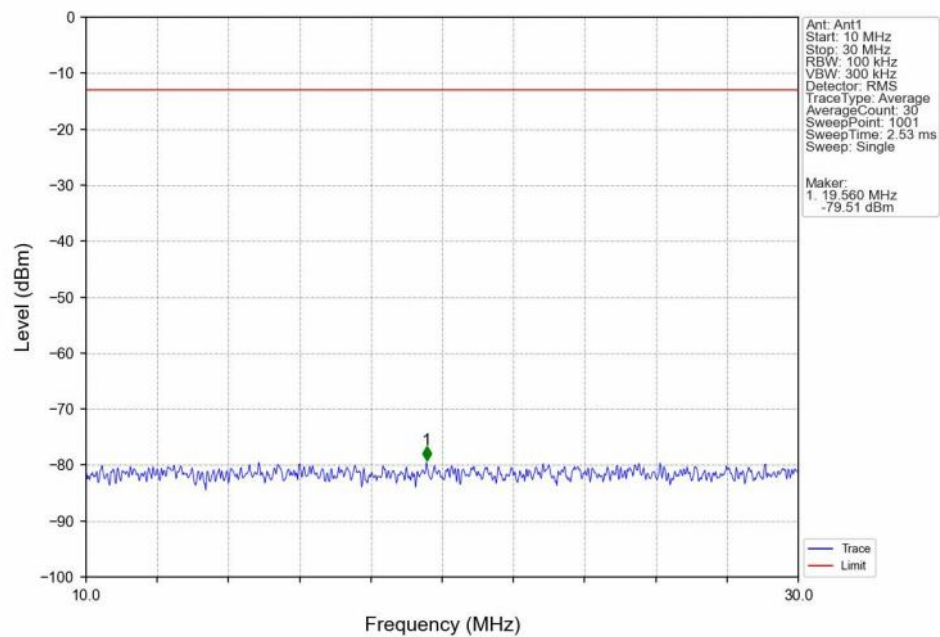
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



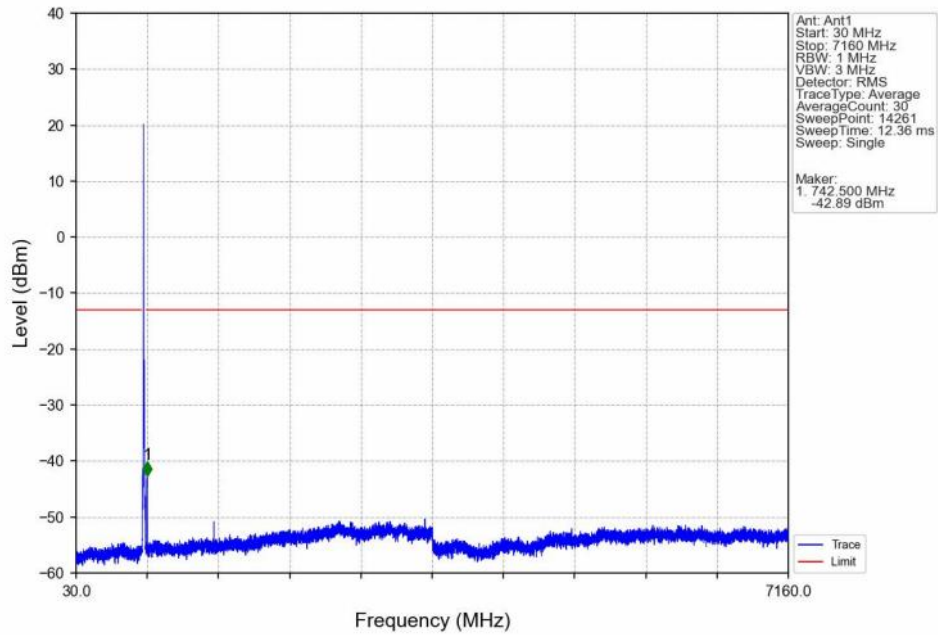
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



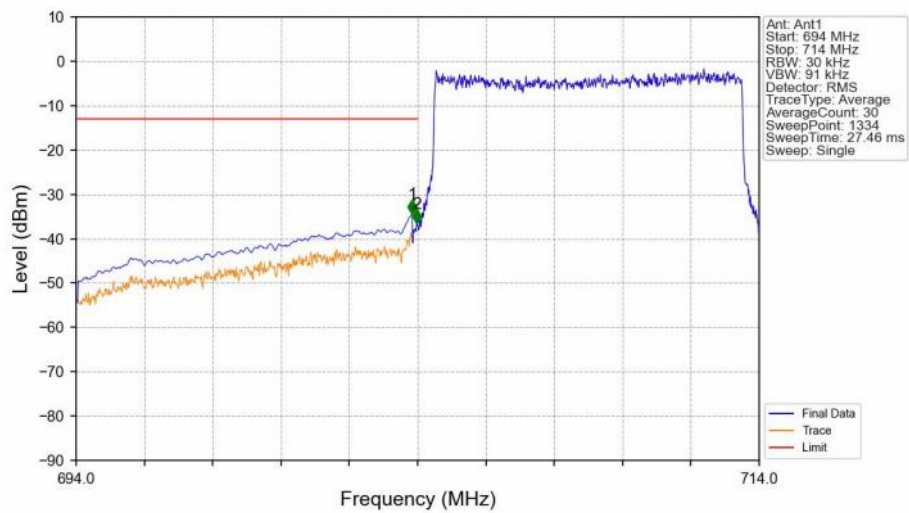
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

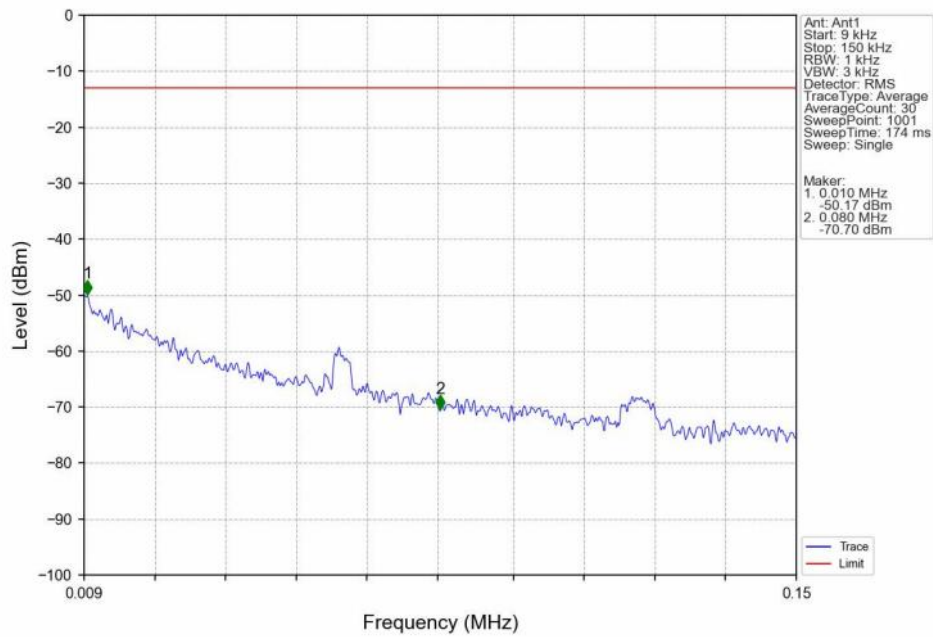


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

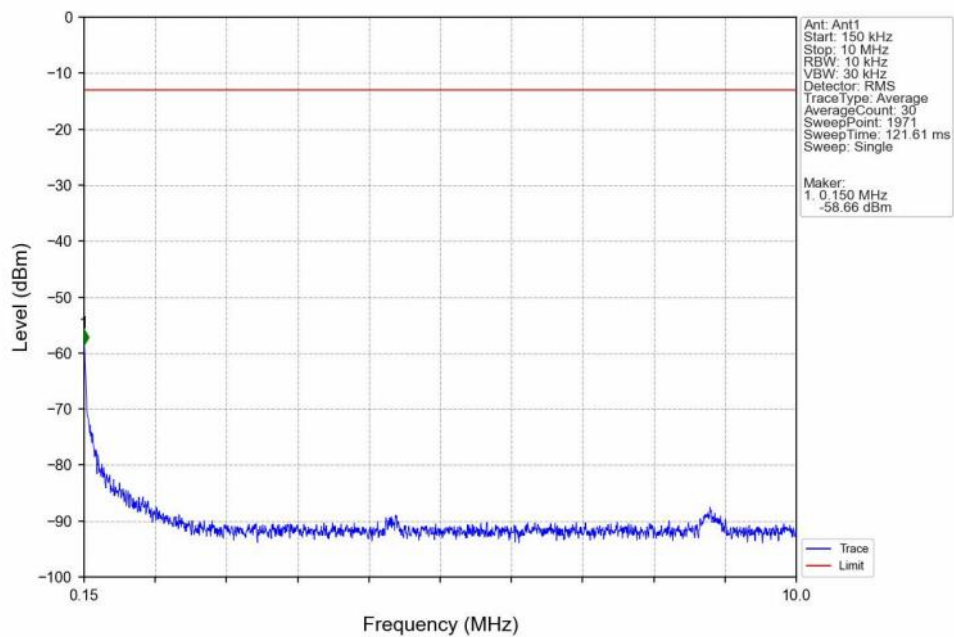


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.31	-13	Pass
703.9	704	0.03	/	2	703.977	-36.59	-13	Pass
704	714	0.03	/	/	/	/	/	/

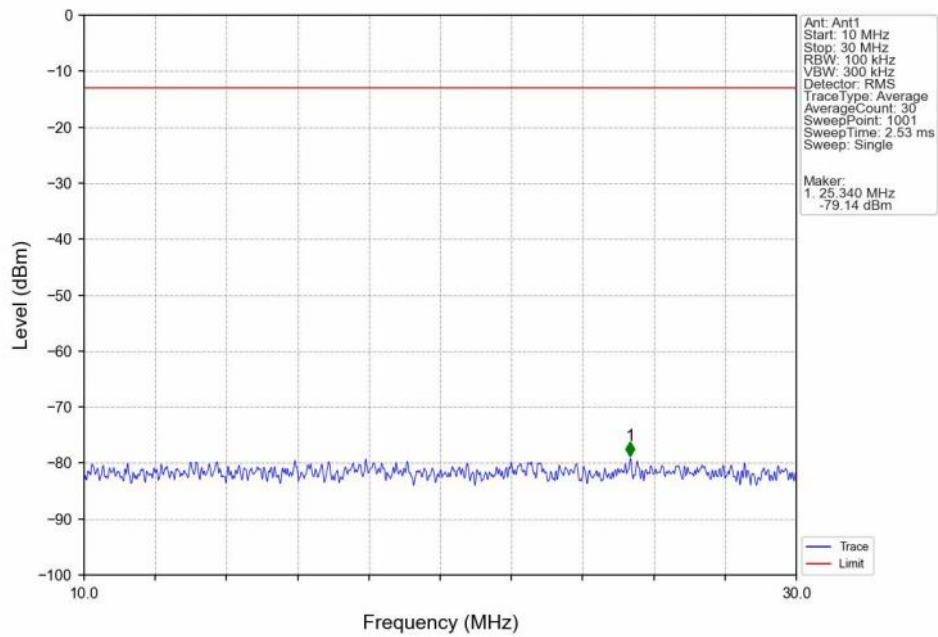
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



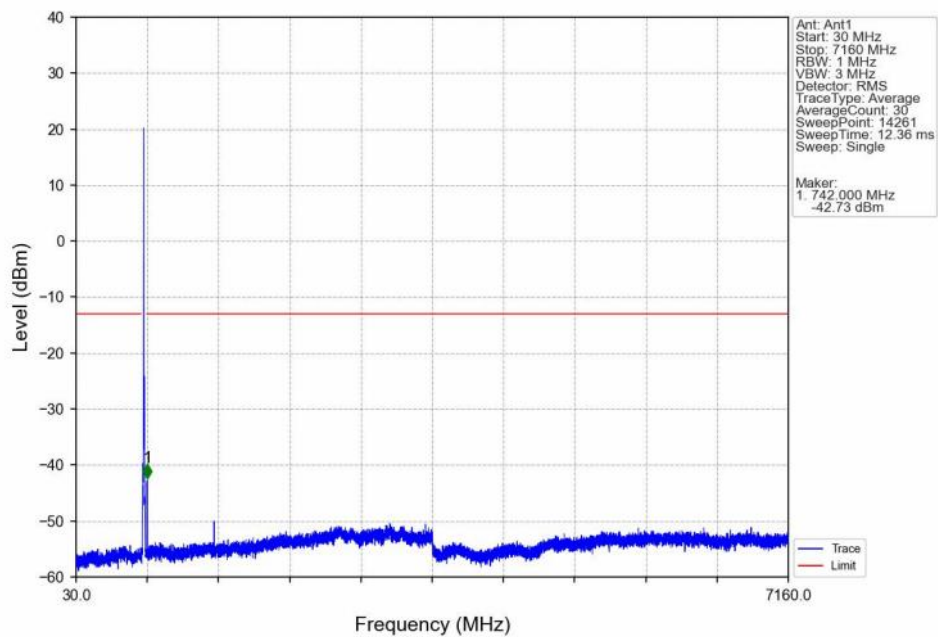
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



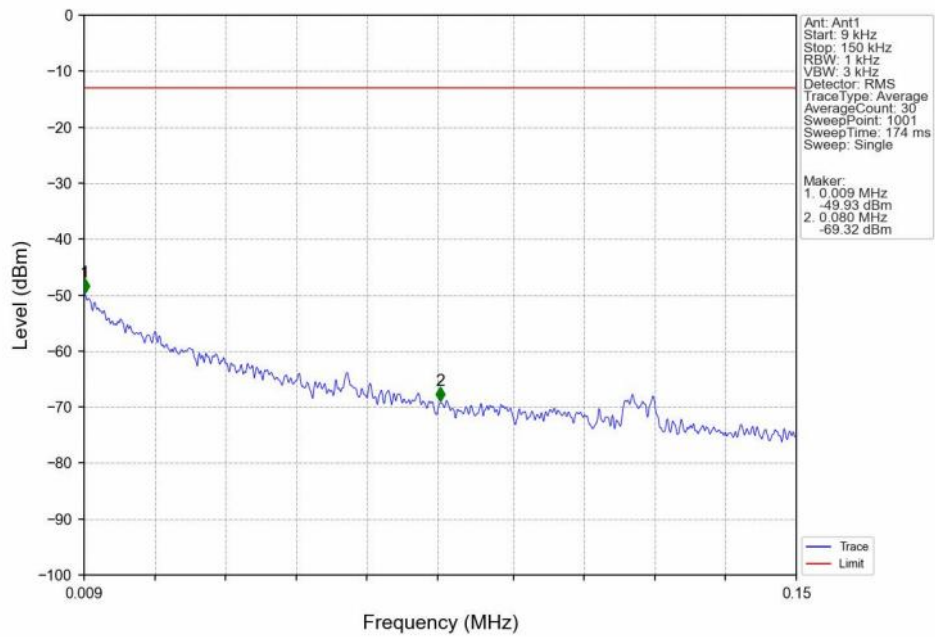
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



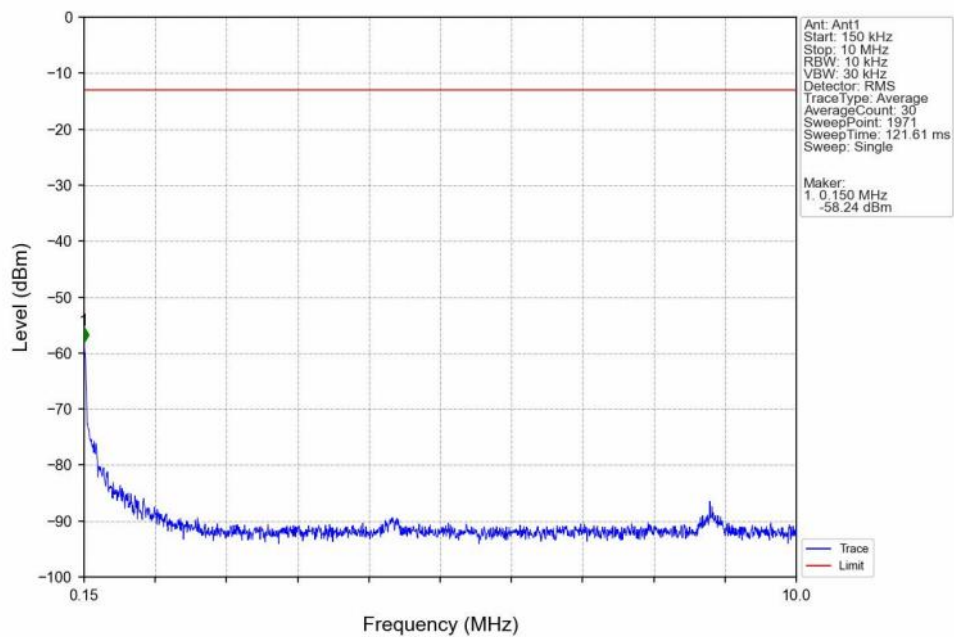
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



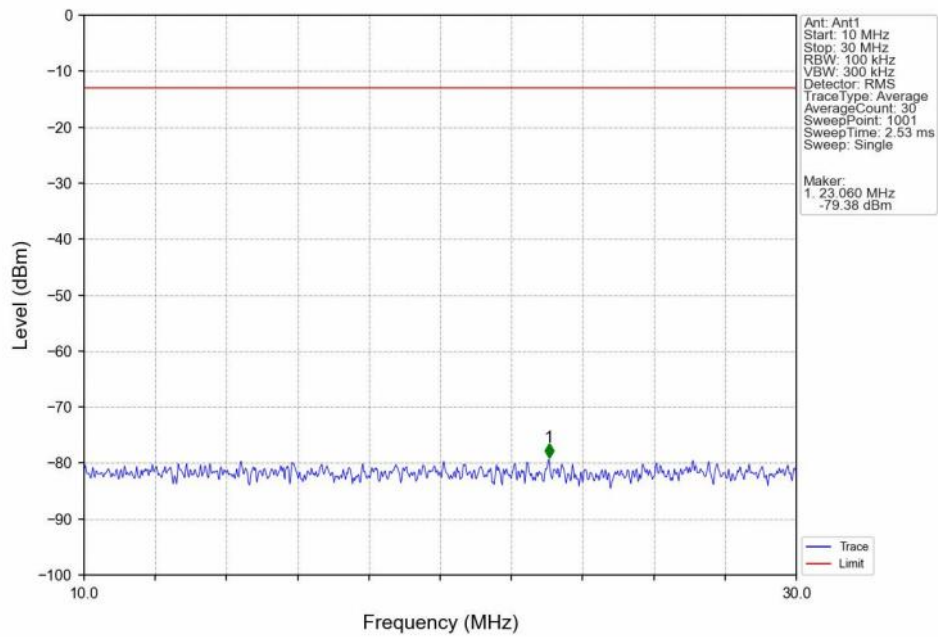
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



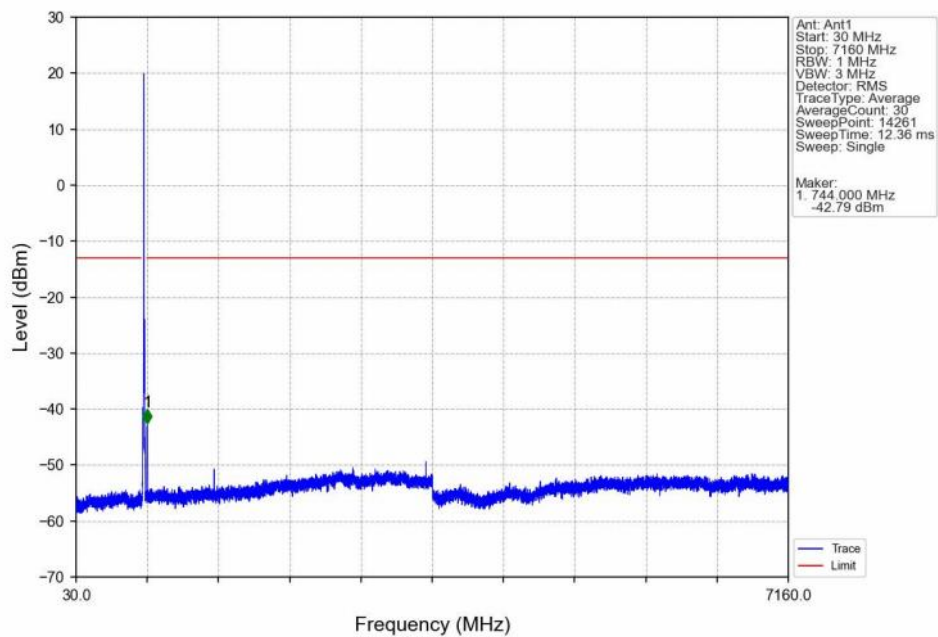
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



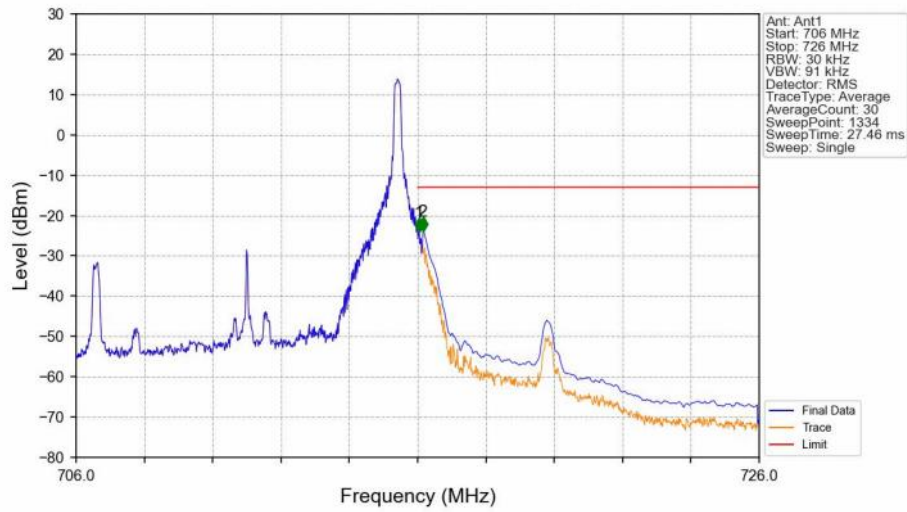
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



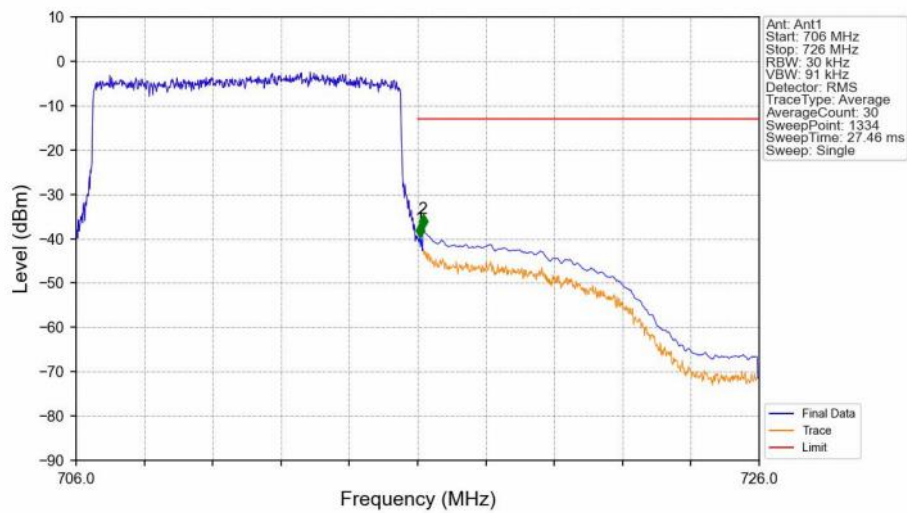
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



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	0.1507	0.0158	ppm	4M58G7D	27H	21.78
17	5	706.5	713.5	0.1239	0.0190	ppm	4M59W7D	27H	20.93
17	10	709	711	0.1535	0.0129	ppm	9M14G7D	27H	21.86
17	10	709	711	0.1371	0.0136	ppm	9M12W7D	27H	21.37

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	0.0448	0.0158	ppm	4M58G7D	27H	16.51
17	5	706.5	713.5	0.0368	0.0190	ppm	4M59W7D	27H	15.66
17	10	709	711	0.0456	0.0129	ppm	9M14G7D	27H	16.59
17	10	709	711	0.0407	0.0136	ppm	9M12W7D	27H	16.10