

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	21.66	-1.91	17.60	<=34.77	Pass
			13	21.48	-1.91	17.42	<=34.77	Pass
			24	21.52	-1.91	17.46	<=34.77	Pass
		12	0	20.67	-1.91	16.61	<=34.77	Pass
			6	20.61	-1.91	16.55	<=34.77	Pass
			13	20.65	-1.91	16.59	<=34.77	Pass
		25	0	20.69	-1.91	16.63	<=34.77	Pass
	710	1	0	21.44	-1.91	17.38	<=34.77	Pass
			13	21.52	-1.91	17.46	<=34.77	Pass
			24	21.41	-1.91	17.35	<=34.77	Pass
		12	0	20.56	-1.91	16.50	<=34.77	Pass
			6	20.68	-1.91	16.62	<=34.77	Pass
			13	20.72	-1.91	16.66	<=34.77	Pass
		25	0	20.76	-1.91	16.70	<=34.77	Pass
	713.5	1	0	21.66	-1.91	17.60	<=34.77	Pass
			13	21.58	-1.91	17.52	<=34.77	Pass
			24	21.67	-1.91	17.61	<=34.77	Pass
		12	0	20.63	-1.91	16.57	<=34.77	Pass
			6	20.63	-1.91	16.57	<=34.77	Pass
			13	20.69	-1.91	16.63	<=34.77	Pass
		25	0	20.60	-1.91	16.54	<=34.77	Pass
16QAM	706.5	1	0	20.29	-1.91	16.23	<=34.77	Pass
			13	20.25	-1.91	16.19	<=34.77	Pass
			24	20.40	-1.91	16.34	<=34.77	Pass
		12	0	20.19	-1.91	16.13	<=34.77	Pass
			6	20.17	-1.91	16.11	<=34.77	Pass
			13	20.10	-1.91	16.04	<=34.77	Pass
		25	0	20.24	-1.91	16.18	<=34.77	Pass
	710	1	0	21.06	-1.91	17.00	<=34.77	Pass
			13	21.18	-1.91	17.12	<=34.77	Pass
			24	20.67	-1.91	16.61	<=34.77	Pass
		12	0	20.12	-1.91	16.06	<=34.77	Pass
			6	19.51	-1.91	15.45	<=34.77	Pass
			13	20.11	-1.91	16.05	<=34.77	Pass
		25	0	19.64	-1.91	15.58	<=34.77	Pass
	713.5	1	0	21.14	-1.91	17.08	<=34.77	Pass
			13	21.10	-1.91	17.04	<=34.77	Pass
			24	21.23	-1.91	17.17	<=34.77	Pass
		12	0	20.15	-1.91	16.09	<=34.77	Pass
			6	20.18	-1.91	16.12	<=34.77	Pass
			13	20.24	-1.91	16.18	<=34.77	Pass
		25	0	20.11	-1.91	16.05	<=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	21.65	-1.91	17.59	<=34.77	Pass	
			25	21.46	-1.91	17.40	<=34.77	Pass	
			49	21.59	-1.91	17.53	<=34.77	Pass	
		25	0	20.69	-1.91	16.63	<=34.77	Pass	
			13	20.61	-1.91	16.55	<=34.77	Pass	
			25	20.68	-1.91	16.62	<=34.77	Pass	
		50	0	20.56	-1.91	16.50	<=34.77	Pass	
		710	1	0	21.76	-1.91	17.70	<=34.77	Pass
				25	21.78	-1.91	17.72	<=34.77	Pass
	49			21.76	-1.91	17.70	<=34.77	Pass	
	25		0	20.72	-1.91	16.66	<=34.77	Pass	
			13	20.80	-1.91	16.74	<=34.77	Pass	
			25	20.66	-1.91	16.60	<=34.77	Pass	
	50		0	20.82	-1.91	16.76	<=34.77	Pass	
	711		1	0	21.54	-1.91	17.48	<=34.77	Pass
				25	21.58	-1.91	17.52	<=34.77	Pass
		49		21.69	-1.91	17.63	<=34.77	Pass	
		25	0	20.63	-1.91	16.57	<=34.77	Pass	
			13	20.71	-1.91	16.65	<=34.77	Pass	
			25	20.60	-1.91	16.54	<=34.77	Pass	
		50	0	20.70	-1.91	16.64	<=34.77	Pass	
16QAM		709	1	0	20.76	-1.91	16.70	<=34.77	Pass
				25	20.71	-1.91	16.65	<=34.77	Pass
	49			20.80	-1.91	16.74	<=34.77	Pass	
	25		0	20.32	-1.91	16.26	<=34.77	Pass	
			13	20.32	-1.91	16.26	<=34.77	Pass	
			25	20.37	-1.91	16.31	<=34.77	Pass	
	50		0	20.26	-1.91	16.20	<=34.77	Pass	
	710		1	0	21.24	-1.91	17.18	<=34.77	Pass
				25	21.90	-1.91	17.84	<=34.77	Pass
		49		21.92	-1.91	17.86	<=34.77	Pass	
		25	0	20.22	-1.91	16.16	<=34.77	Pass	
			13	19.79	-1.91	15.73	<=34.77	Pass	
			25	20.21	-1.91	16.15	<=34.77	Pass	
		50	0	19.78	-1.91	15.72	<=34.77	Pass	
		711	1	0	21.10	-1.91	17.04	<=34.77	Pass
				25	21.28	-1.91	17.22	<=34.77	Pass
	49			21.27	-1.91	17.21	<=34.77	Pass	
	25		0	20.22	-1.91	16.16	<=34.77	Pass	
			13	19.63	-1.91	15.57	<=34.77	Pass	
			25	20.18	-1.91	16.12	<=34.77	Pass	
	50		0	19.69	-1.91	15.63	<=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	-27.266	-0.0386	-2.5 to 2.5	Pass
					3.85	-35.620	-0.0504	-2.5 to 2.5	Pass
					4.43	-13.261	-0.0188	-2.5 to 2.5	Pass
				-30	3.85	-7.410	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-34.132	-0.0483	-2.5 to 2.5	Pass
				-10	3.85	1.988	0.0028	-2.5 to 2.5	Pass
				0	3.85	-7.582	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-12.417	-0.0176	-2.5 to 2.5	Pass
				30	3.85	-14.291	-0.0202	-2.5 to 2.5	Pass
				40	3.85	-13.962	-0.0198	-2.5 to 2.5	Pass
				50	3.85	-13.561	-0.0192	-2.5 to 2.5	Pass
	710	25	0	20	3.27	5.150	0.0073	-2.5 to 2.5	Pass
					3.85	-2.289	-0.0032	-2.5 to 2.5	Pass
					4.43	-1.631	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-2.317	-0.0033	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	3.219	0.0045	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	3.390	0.0048	-2.5 to 2.5	Pass
				-30	3.85	5.078	0.0071	-2.5 to 2.5	Pass
				-20	3.85	3.648	0.0051	-2.5 to 2.5	Pass
				-10	3.85	4.964	0.0070	-2.5 to 2.5	Pass
				0	3.85	3.161	0.0044	-2.5 to 2.5	Pass
				10	3.85	4.034	0.0057	-2.5 to 2.5	Pass
				30	3.85	5.636	0.0079	-2.5 to 2.5	Pass
				40	3.85	4.964	0.0070	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-11.630	-0.0165	-2.5 to 2.5	Pass
					3.85	-10.529	-0.0149	-2.5 to 2.5	Pass
					4.43	-9.813	-0.0139	-2.5 to 2.5	Pass
				-30	3.85	-7.854	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-6.123	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-6.523	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-6.123	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-6.466	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-5.765	-0.0082	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-0.973	-0.0014	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0080	-2.5 to 2.5	Pass
					4.43	-9.656	-0.0136	-2.5 to 2.5	Pass
				-30	3.85	-10.901	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-13.232	-0.0186	-2.5 to 2.5	Pass
				-10	3.85	-15.321	-0.0216	-2.5 to 2.5	Pass
				0	3.85	-14.935	-0.0210	-2.5 to 2.5	Pass
				10	3.85	-15.593	-0.0220	-2.5 to 2.5	Pass
				30	3.85	-15.192	-0.0214	-2.5 to 2.5	Pass
				40	3.85	-16.208	-0.0228	-2.5 to 2.5	Pass
				50	3.85	-17.209	-0.0242	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	5.150	0.0072	-2.5 to 2.5	Pass
					3.85	3.176	0.0045	-2.5 to 2.5	Pass
					4.43	2.131	0.0030	-2.5 to 2.5	Pass
				-30	3.85	1.473	0.0021	-2.5 to 2.5	Pass

				-20	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				30	3.85	1.516	0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.987	-0.0014	-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	3.104	0.0044	-2.5 to 2.5	Pass
					3.85	-13.976	-0.0197	-2.5 to 2.5	Pass
					4.43	-22.459	-0.0317	-2.5 to 2.5	Pass
				-30	3.85	-26.550	-0.0374	-2.5 to 2.5	Pass
				-20	3.85	-27.137	-0.0383	-2.5 to 2.5	Pass
				-10	3.85	-29.526	-0.0416	-2.5 to 2.5	Pass
				0	3.85	-30.284	-0.0427	-2.5 to 2.5	Pass
				10	3.85	-28.653	-0.0404	-2.5 to 2.5	Pass
				30	3.85	-28.310	-0.0399	-2.5 to 2.5	Pass
				40	3.85	-28.338	-0.0400	-2.5 to 2.5	Pass
				50	3.85	-28.667	-0.0404	-2.5 to 2.5	Pass
	710	50	0	20	3.27	4.177	0.0059	-2.5 to 2.5	Pass
					3.85	5.121	0.0072	-2.5 to 2.5	Pass
					4.43	6.752	0.0095	-2.5 to 2.5	Pass
				-30	3.85	7.925	0.0112	-2.5 to 2.5	Pass
				-20	3.85	7.367	0.0104	-2.5 to 2.5	Pass
				-10	3.85	8.268	0.0116	-2.5 to 2.5	Pass
				0	3.85	8.039	0.0113	-2.5 to 2.5	Pass
				10	3.85	7.682	0.0108	-2.5 to 2.5	Pass
				30	3.85	8.855	0.0125	-2.5 to 2.5	Pass
				40	3.85	9.313	0.0131	-2.5 to 2.5	Pass
				50	3.85	9.499	0.0134	-2.5 to 2.5	Pass
	711	50	0	20	3.27	2.418	0.0034	-2.5 to 2.5	Pass
					3.85	0.901	0.0013	-2.5 to 2.5	Pass
					4.43	1.459	0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.717	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.473	0.0021	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.030	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.574	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.587	0.0008	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-27.738	-0.0391	-2.5 to 2.5	Pass
					3.85	-28.982	-0.0409	-2.5 to 2.5	Pass
					4.43	-29.240	-0.0412	-2.5 to 2.5	Pass
				-30	3.85	-29.182	-0.0412	-2.5 to 2.5	Pass
				-20	3.85	-27.766	-0.0392	-2.5 to 2.5	Pass
				-10	3.85	-28.796	-0.0406	-2.5 to 2.5	Pass
				0	3.85	-31.242	-0.0441	-2.5 to 2.5	Pass
				10	3.85	-29.597	-0.0417	-2.5 to 2.5	Pass
				30	3.85	-30.556	-0.0431	-2.5 to 2.5	Pass
				40	3.85	-29.268	-0.0413	-2.5 to 2.5	Pass
				50	3.85	-29.740	-0.0419	-2.5 to 2.5	Pass
	710	50	0	20	3.27	11.659	0.0164	-2.5 to 2.5	Pass

					3.85	8.240	0.0116	-2.5 to 2.5	Pass
					4.43	6.495	0.0091	-2.5 to 2.5	Pass
				-30	3.85	4.792	0.0067	-2.5 to 2.5	Pass
				-20	3.85	4.950	0.0070	-2.5 to 2.5	Pass
				-10	3.85	3.462	0.0049	-2.5 to 2.5	Pass
				0	3.85	3.963	0.0056	-2.5 to 2.5	Pass
				10	3.85	4.120	0.0058	-2.5 to 2.5	Pass
				30	3.85	6.008	0.0085	-2.5 to 2.5	Pass
				40	3.85	6.895	0.0097	-2.5 to 2.5	Pass
				50	3.85	6.294	0.0089	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.558	0.0008	-2.5 to 2.5	Pass
					3.85	3.476	0.0049	-2.5 to 2.5	Pass
					4.43	2.131	0.0030	-2.5 to 2.5	Pass
				-30	3.85	1.087	0.0015	-2.5 to 2.5	Pass
				-20	3.85	4.191	0.0059	-2.5 to 2.5	Pass
				-10	3.85	5.050	0.0071	-2.5 to 2.5	Pass
				0	3.85	4.792	0.0067	-2.5 to 2.5	Pass
				10	3.85	6.609	0.0093	-2.5 to 2.5	Pass
				30	3.85	7.610	0.0107	-2.5 to 2.5	Pass
				40	3.85	6.094	0.0086	-2.5 to 2.5	Pass
				50	3.85	8.383	0.0118	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

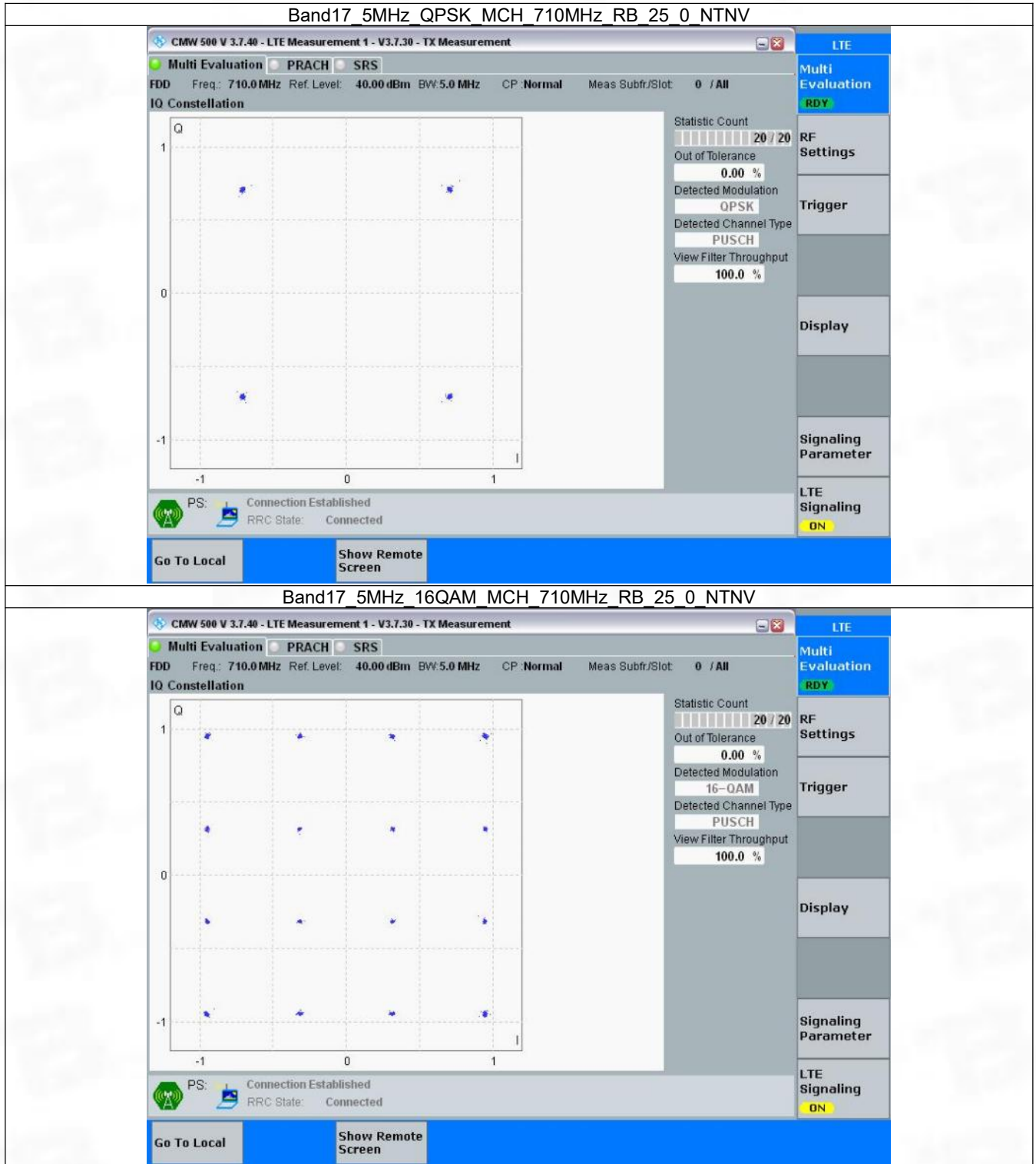
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

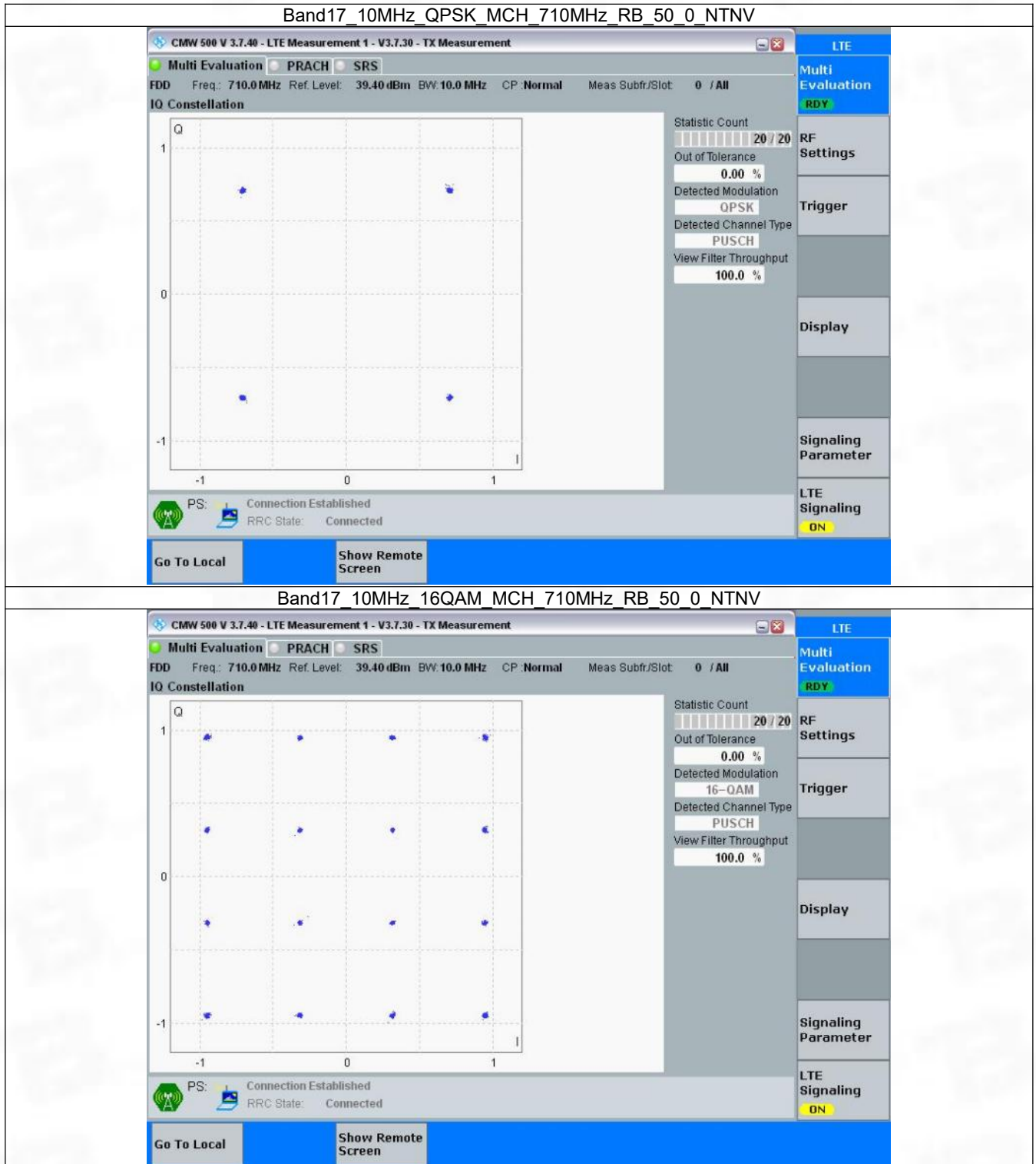
Band: 17 / Bandwidth: 10MHz / NTN/V						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

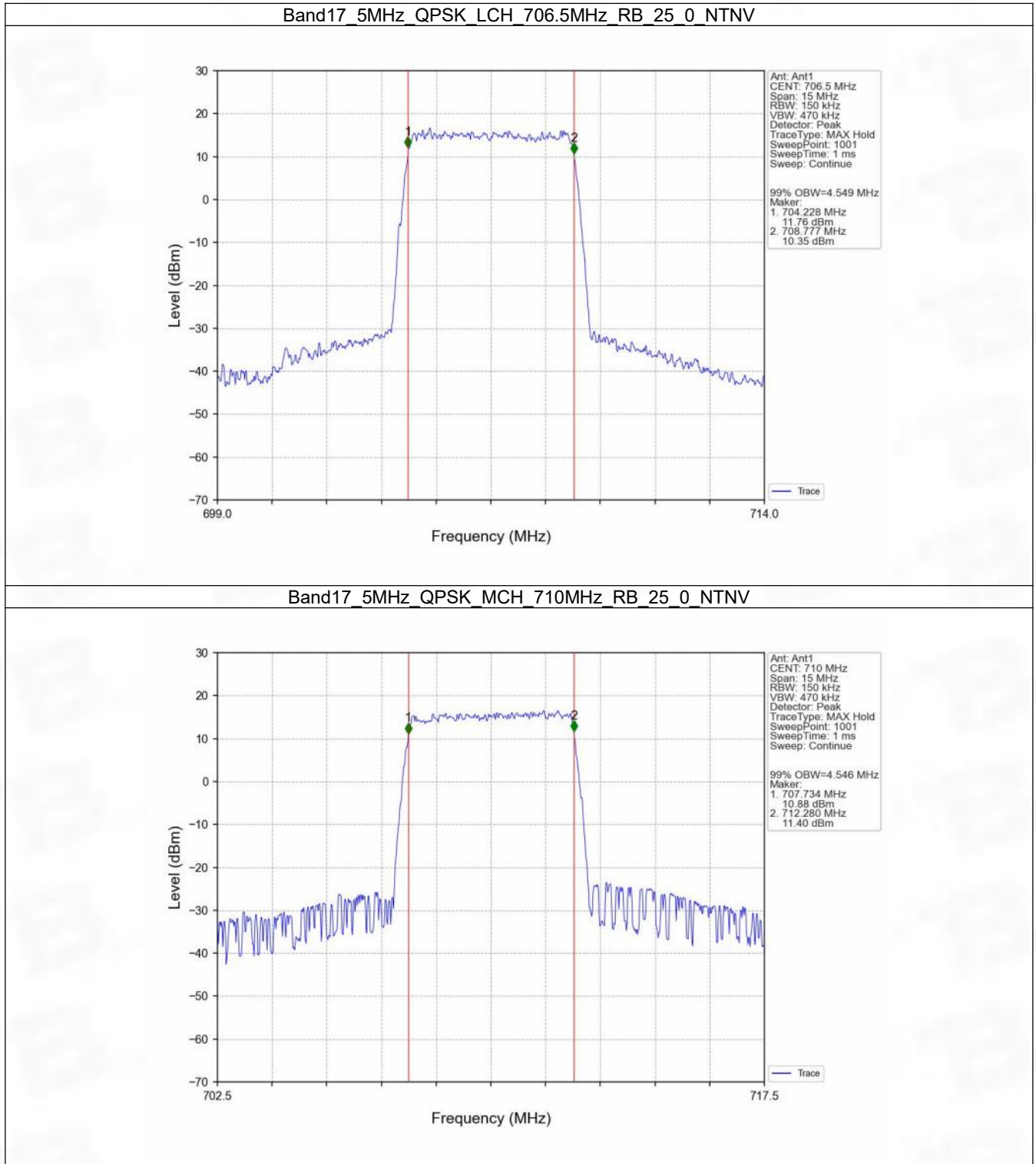
Band: 17 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.549	/	Pass
		710	25	0	4.546	/	Pass
		713.5	25	0	4.560	/	Pass
	16QAM	706.5	25	0	4.586	/	Pass
		710	25	0	4.561	/	Pass
		713.5	25	0	4.565	/	Pass
10	QPSK	709	50	0	9.062	/	Pass
		710	50	0	9.036	/	Pass
		711	50	0	9.041	/	Pass
	16QAM	709	50	0	9.072	/	Pass
		710	50	0	9.066	/	Pass
		711	50	0	9.070	/	Pass

4.1.2 Band17_XDB

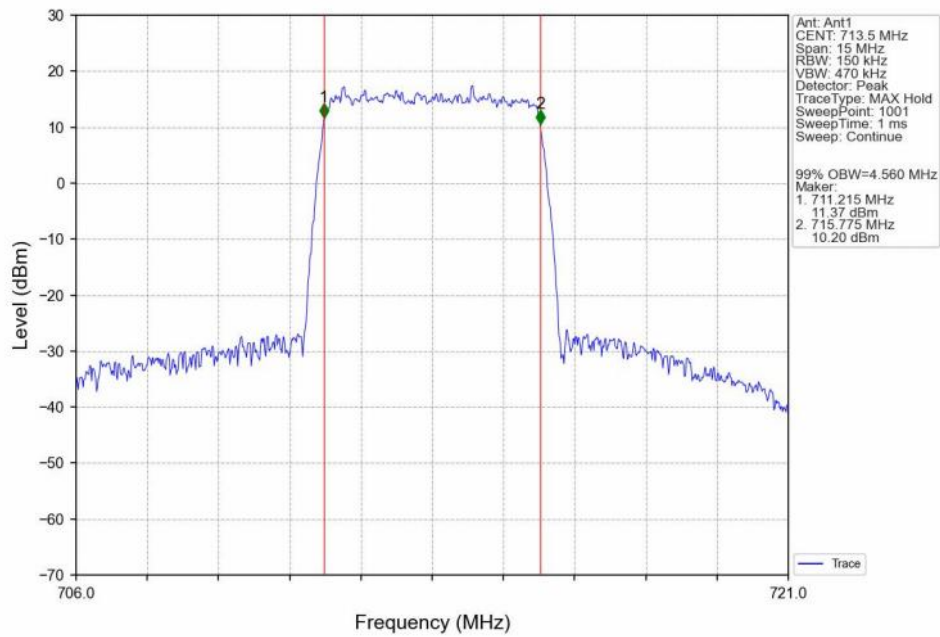
Band: 17 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.061	/	Pass
		710	25	0	5.059	/	Pass
		713.5	25	0	5.062	/	Pass
	16QAM	706.5	25	0	5.086	/	Pass
		710	25	0	5.097	/	Pass
		713.5	25	0	5.031	/	Pass
10	QPSK	709	50	0	10.021	/	Pass
		710	50	0	10.064	/	Pass
		711	50	0	10.039	/	Pass
	16QAM	709	50	0	10.074	/	Pass
		710	50	0	9.977	/	Pass
		711	50	0	10.016	/	Pass

4.2 Test Graph

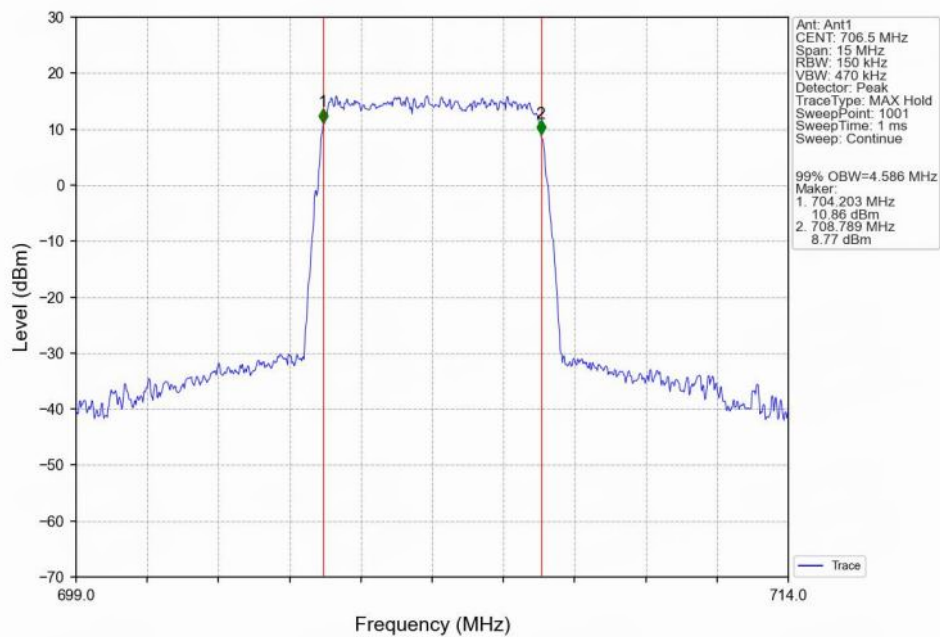
4.2.1 Band17_OBW



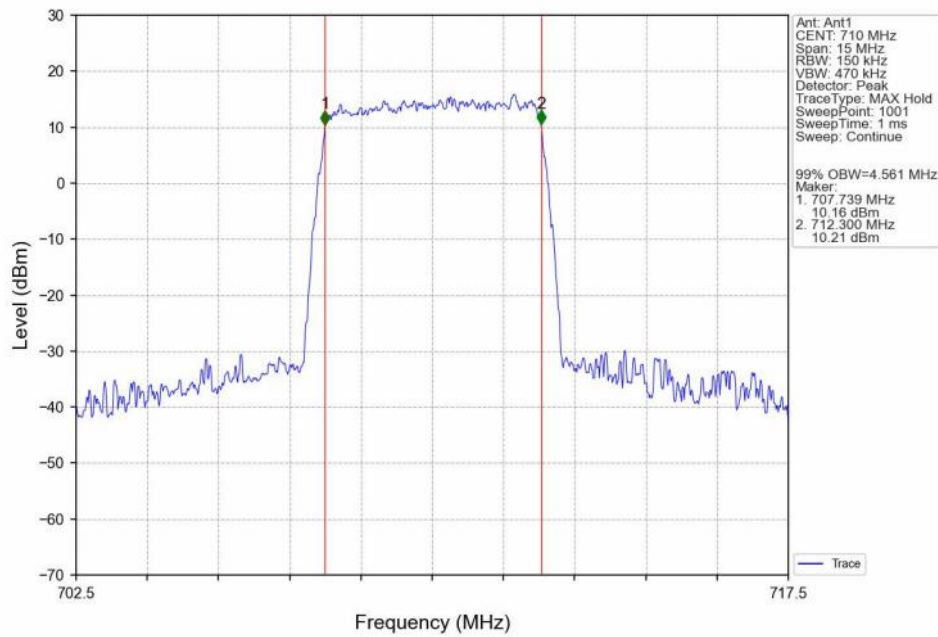
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



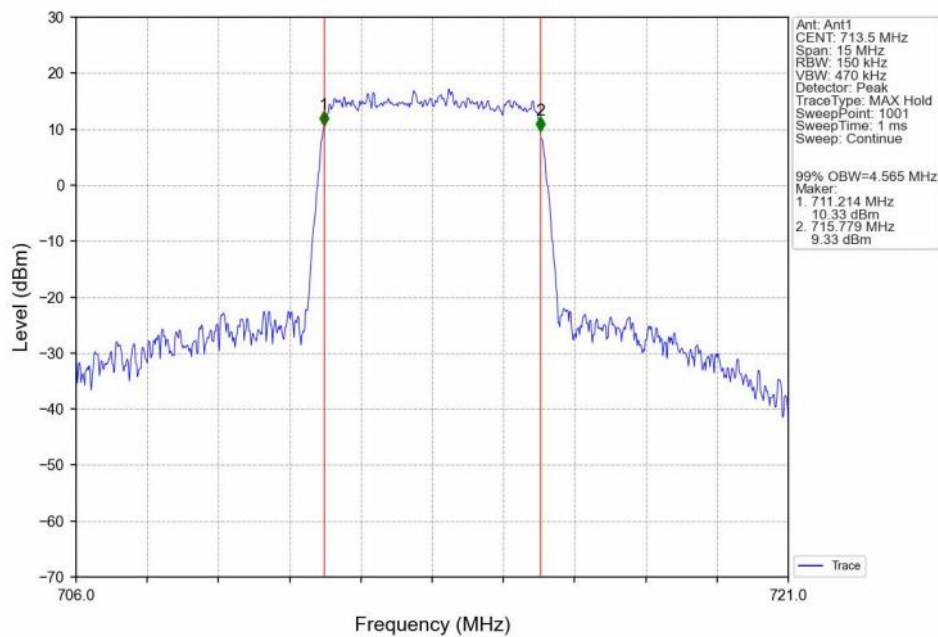
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



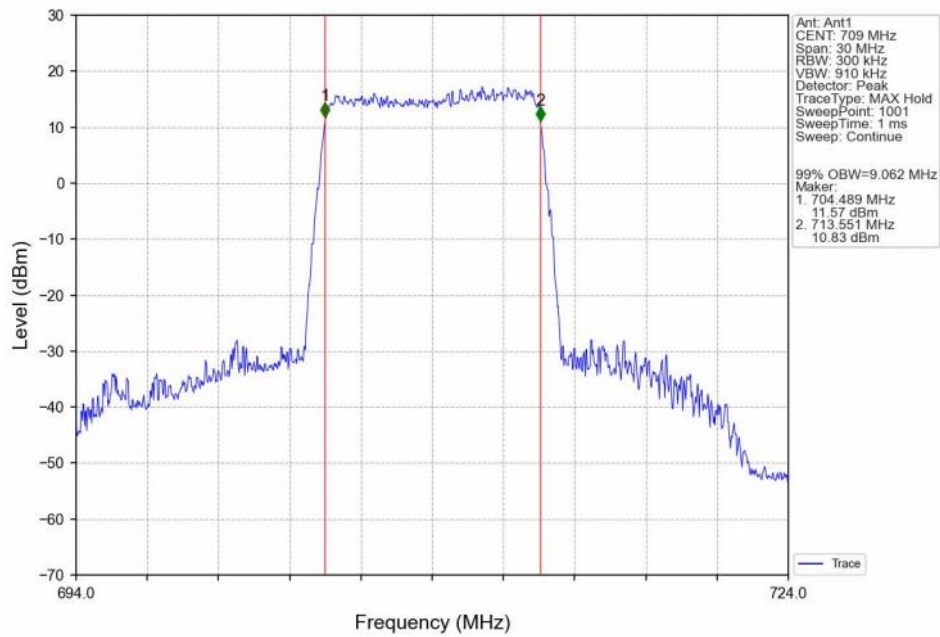
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



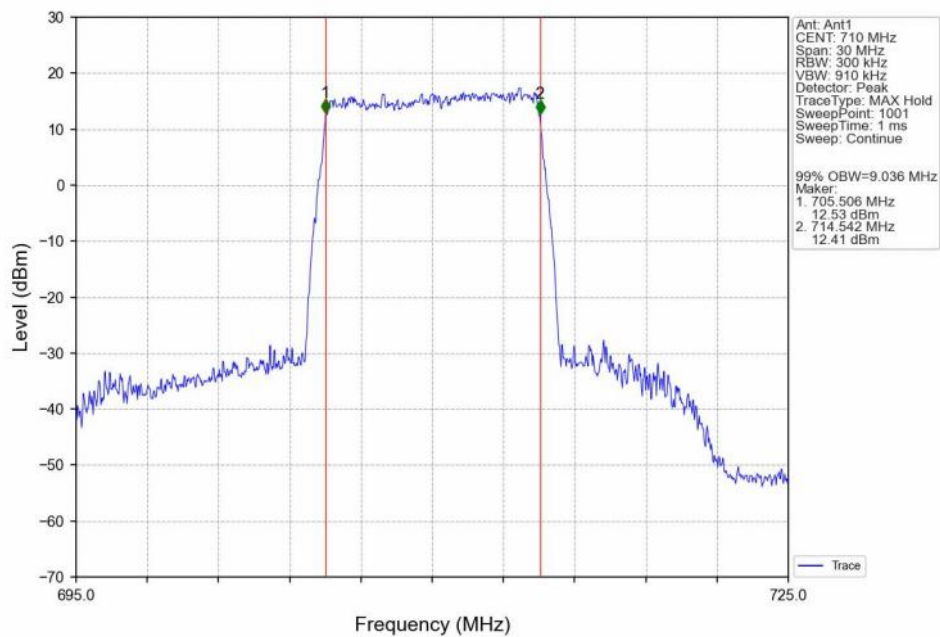
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



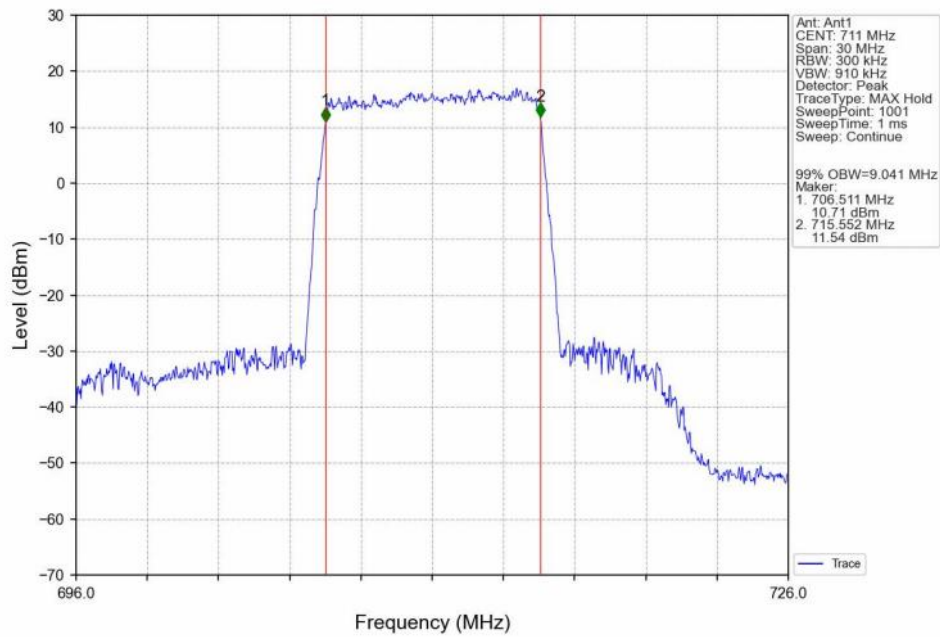
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



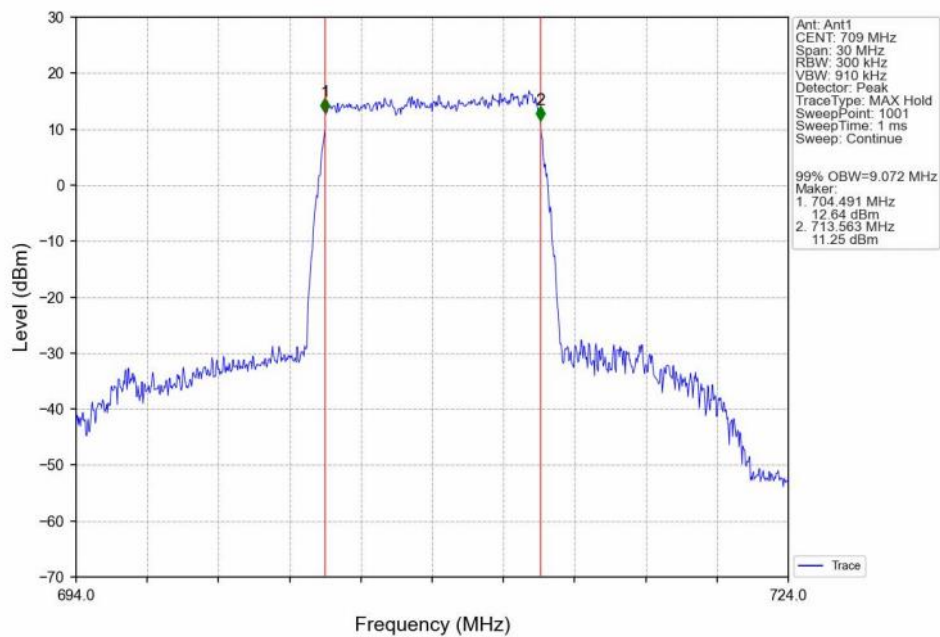
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



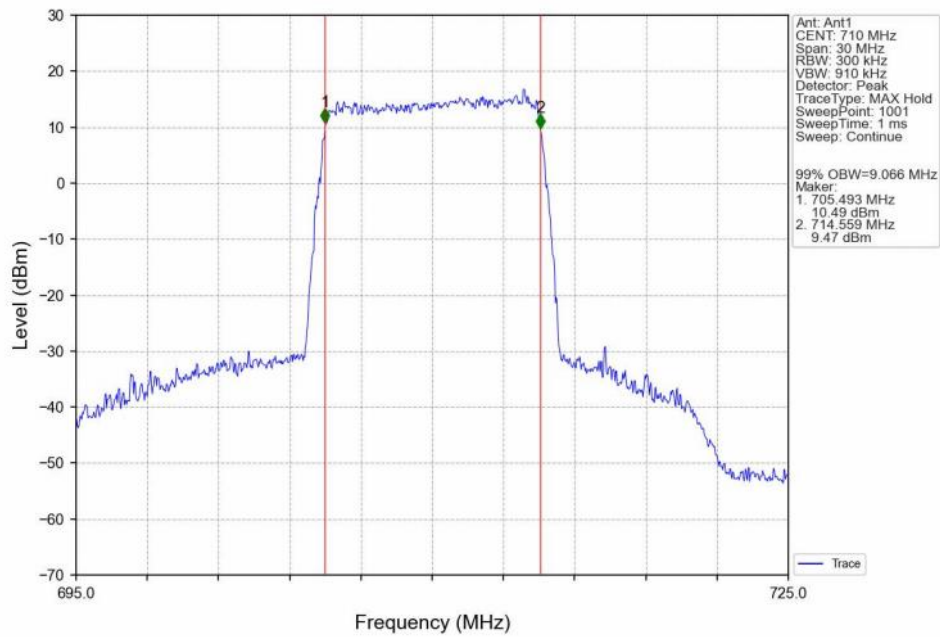
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



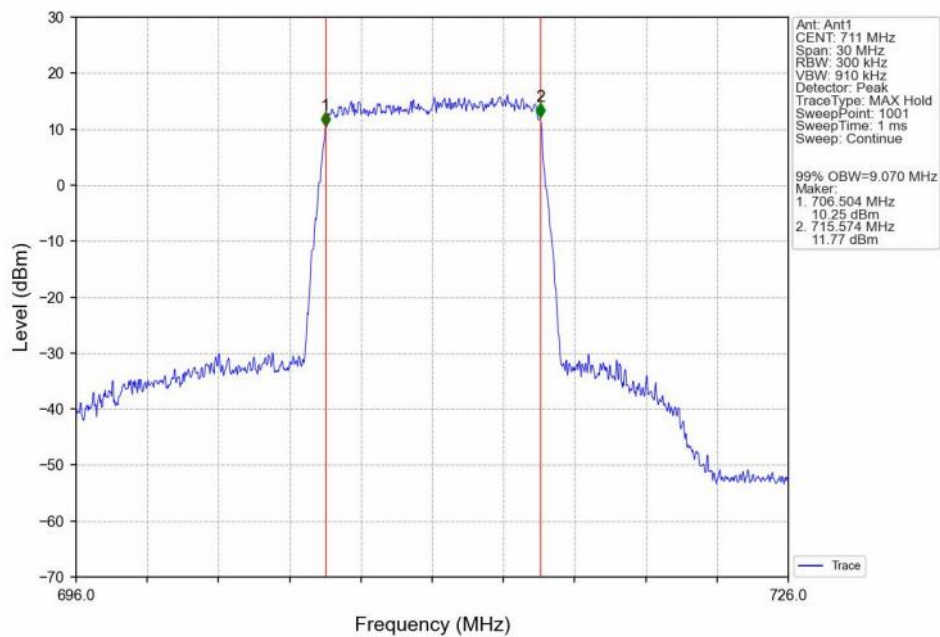
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



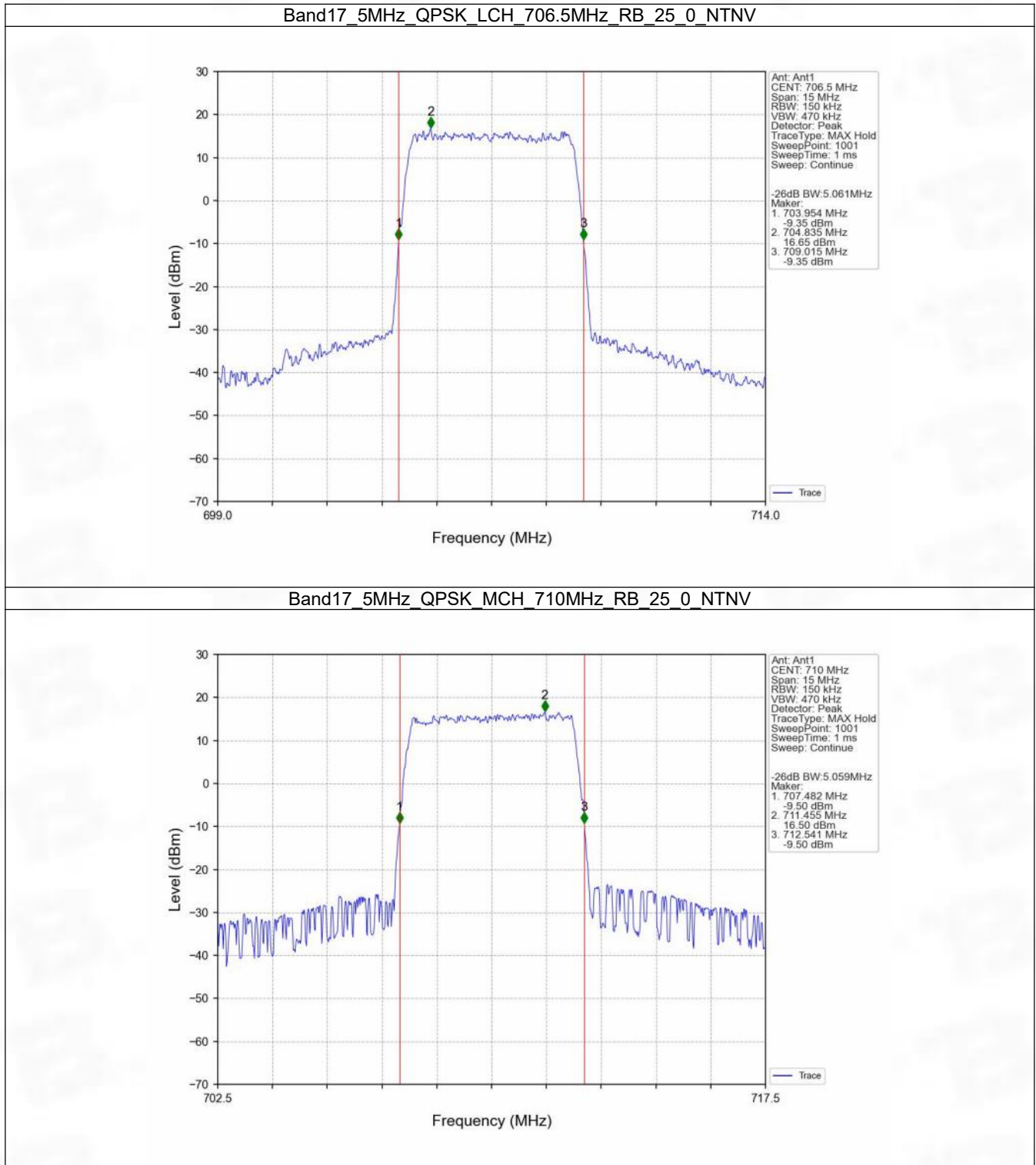
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



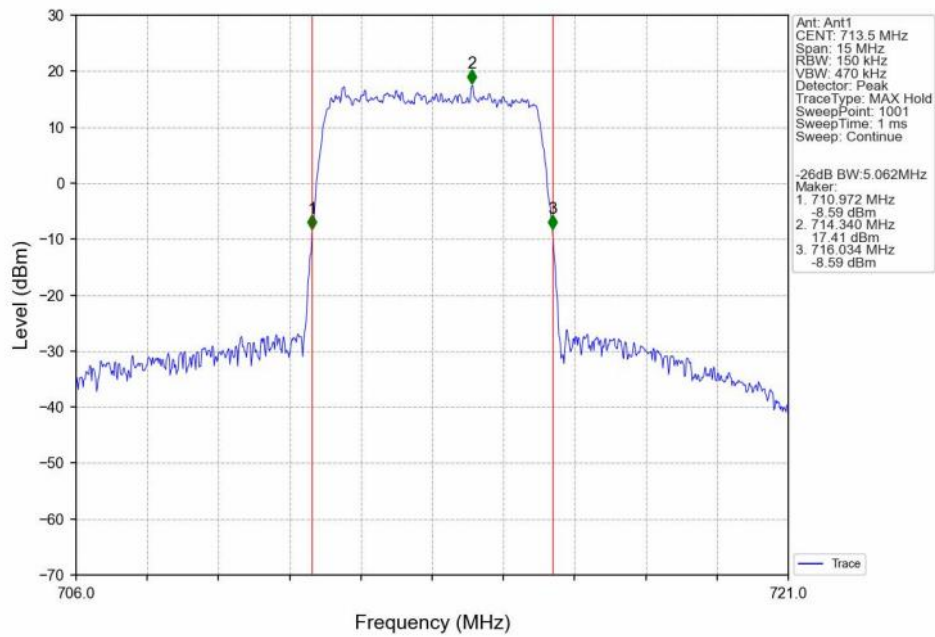
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



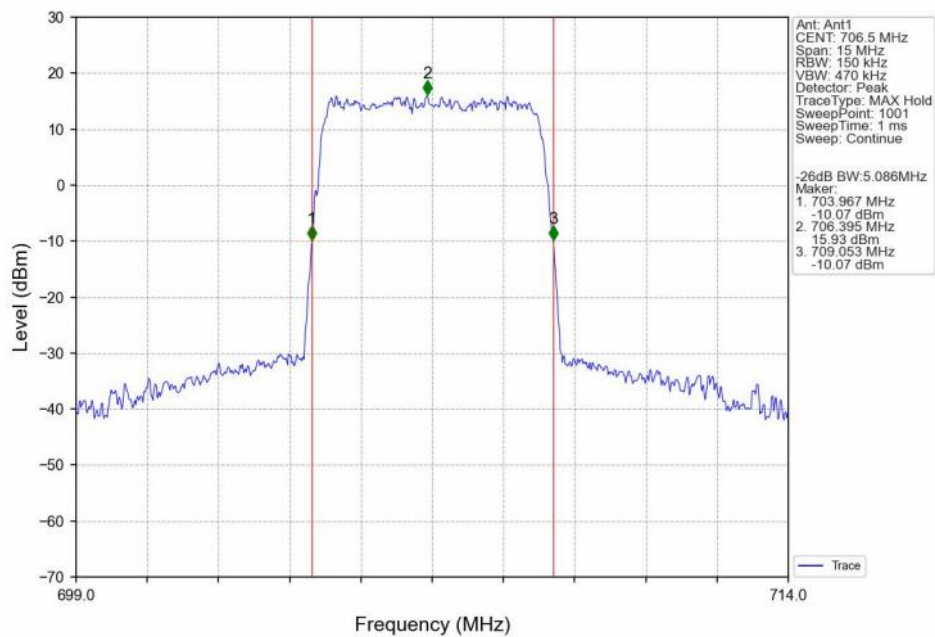
4.2.2 Band17_XDB



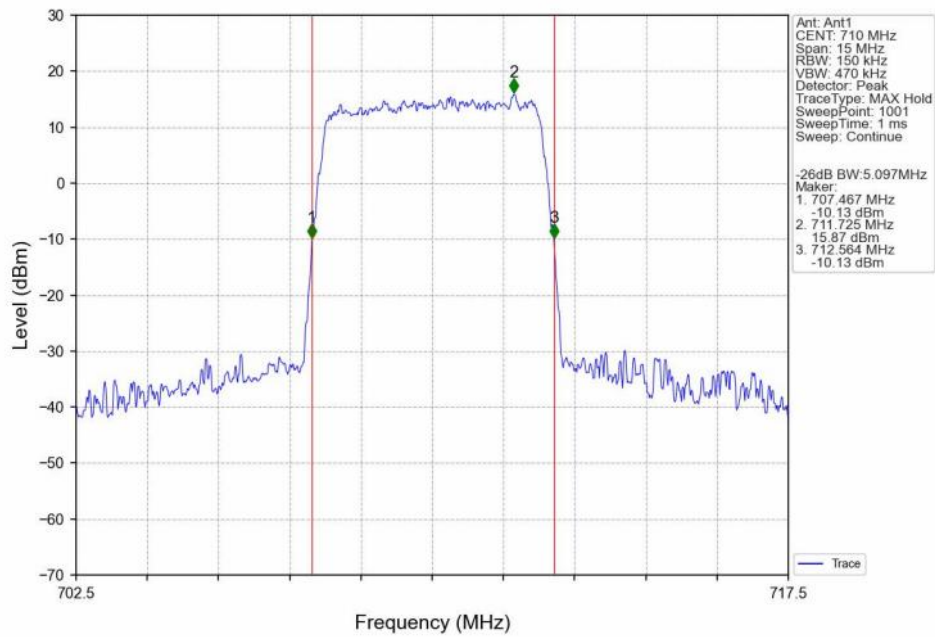
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



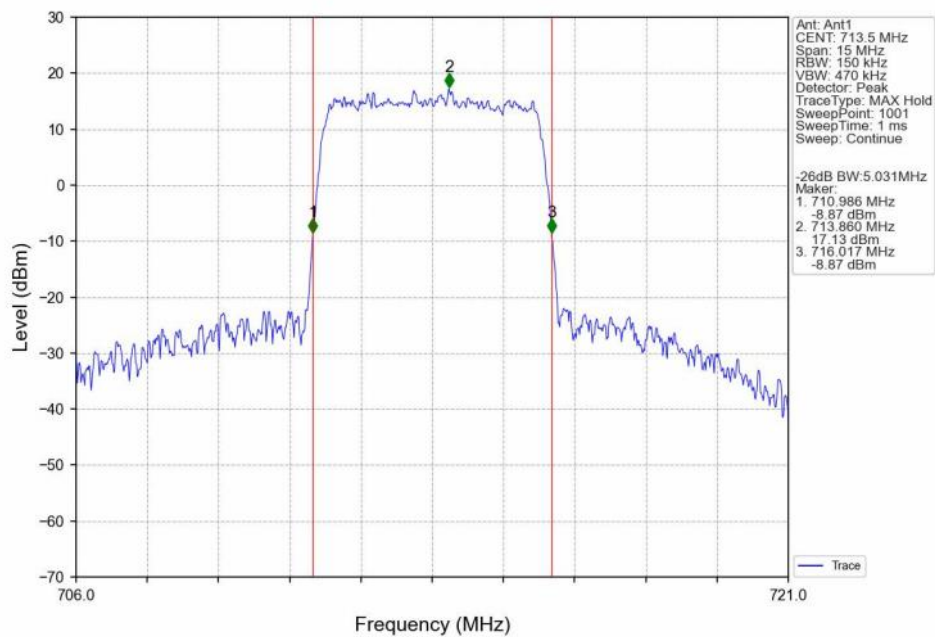
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



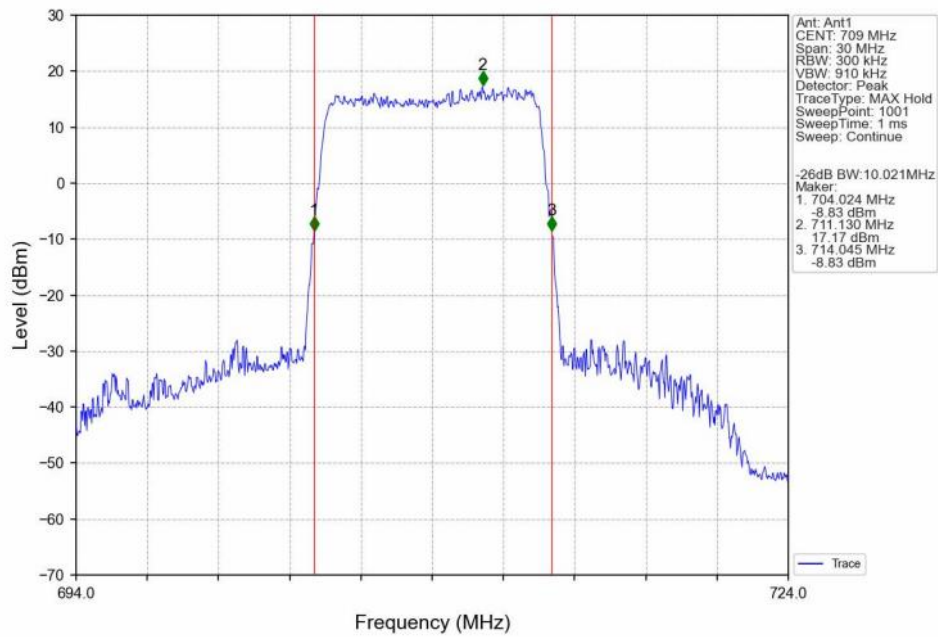
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



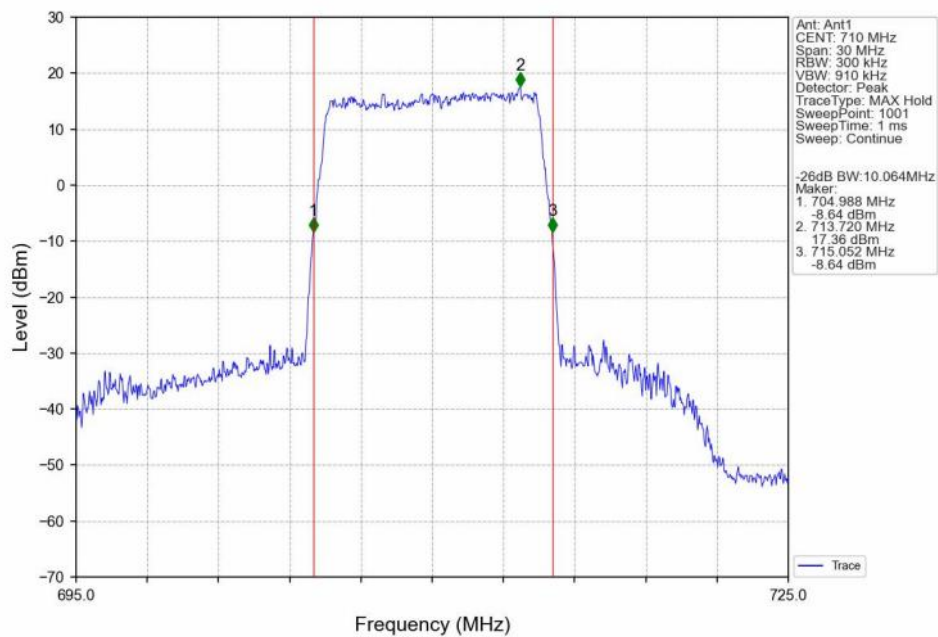
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



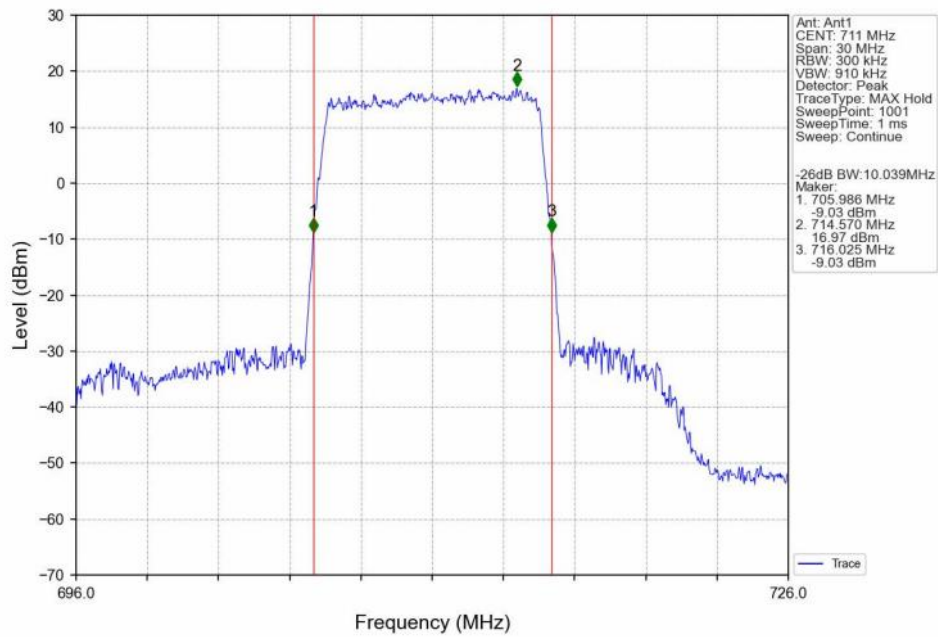
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



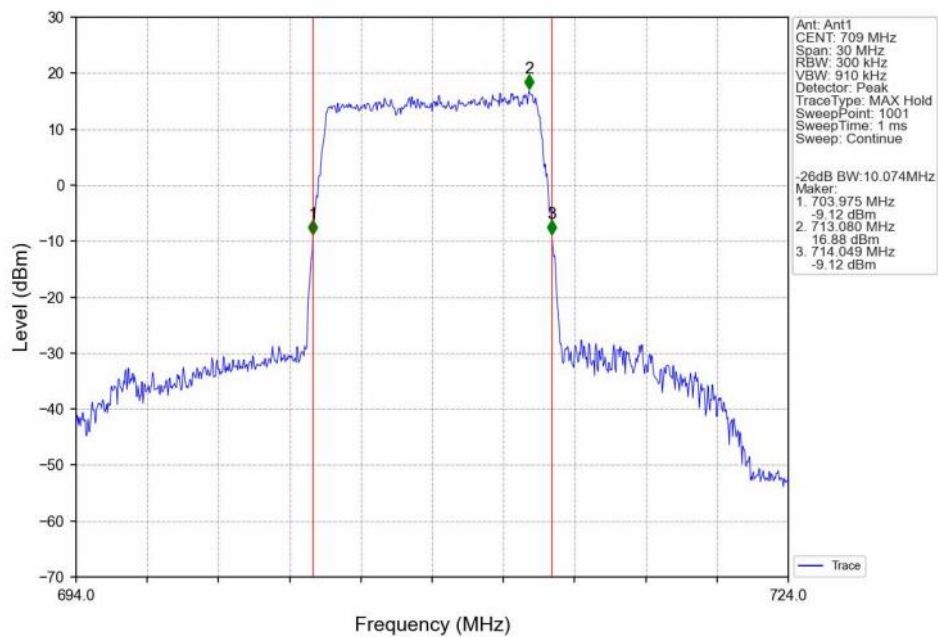
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



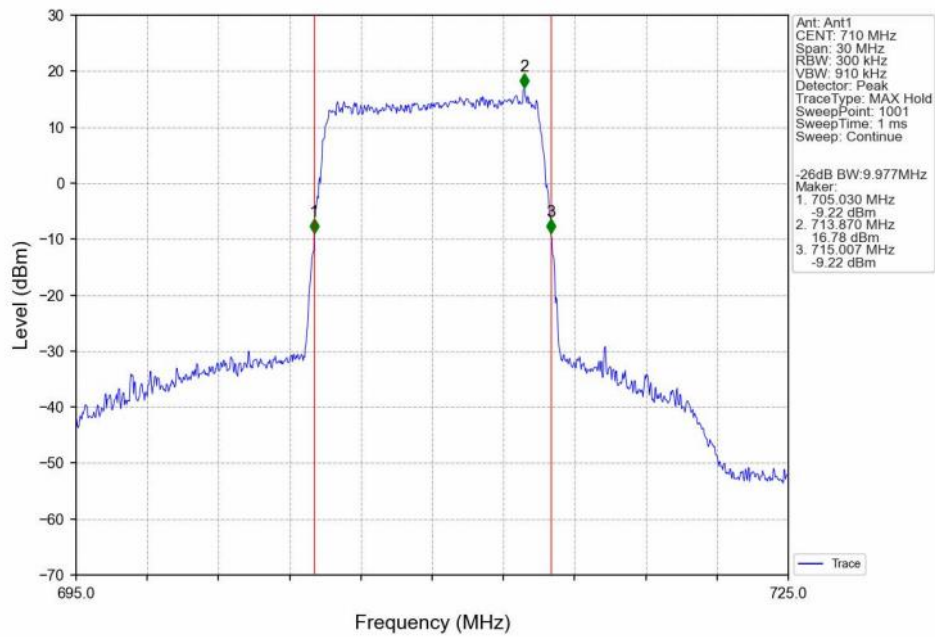
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



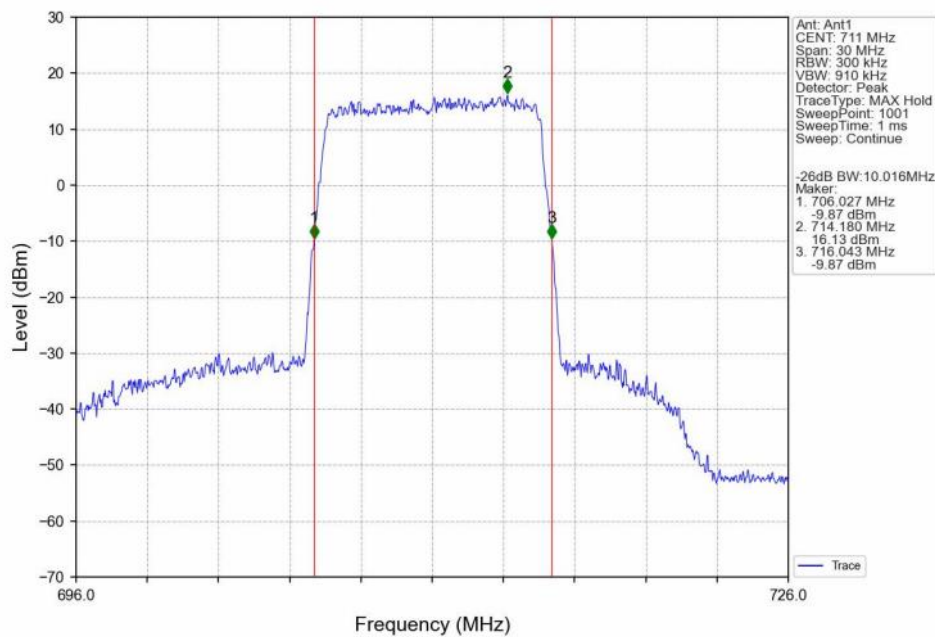
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

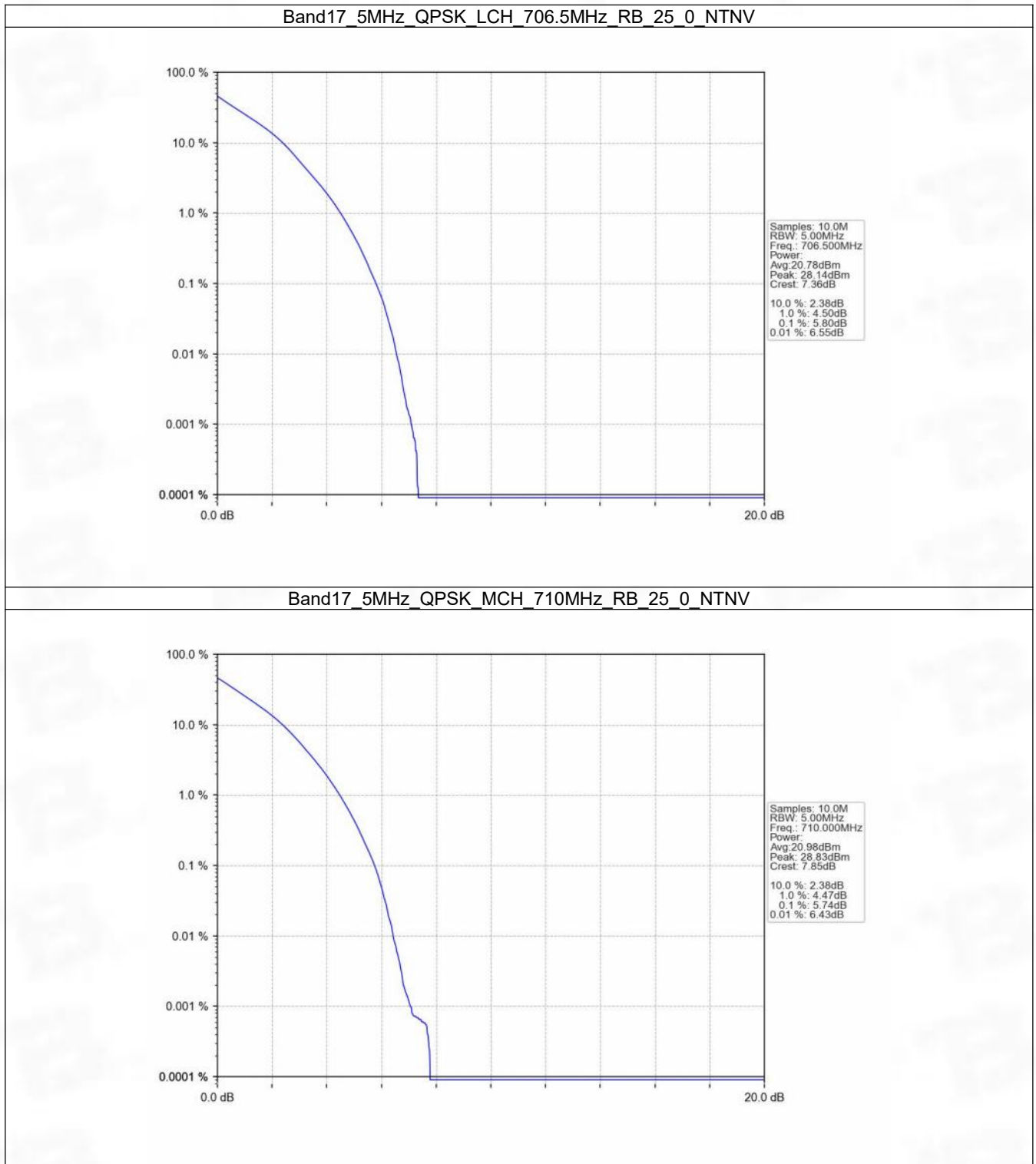
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.80	≤ 13	Pass
	710	25	0	5.74	≤ 13	Pass
	713.5	25	0	5.59	≤ 13	Pass
16QAM	706.5	25	0	6.53	≤ 13	Pass
	710	25	0	6.46	≤ 13	Pass
	713.5	25	0	6.17	≤ 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	5.82	≤ 13	Pass
	710	50	0	5.73	≤ 13	Pass
	711	50	0	5.67	≤ 13	Pass
16QAM	709	50	0	6.48	≤ 13	Pass
	710	50	0	6.51	≤ 13	Pass
	711	50	0	6.39	≤ 13	Pass

5.2 Test Graph

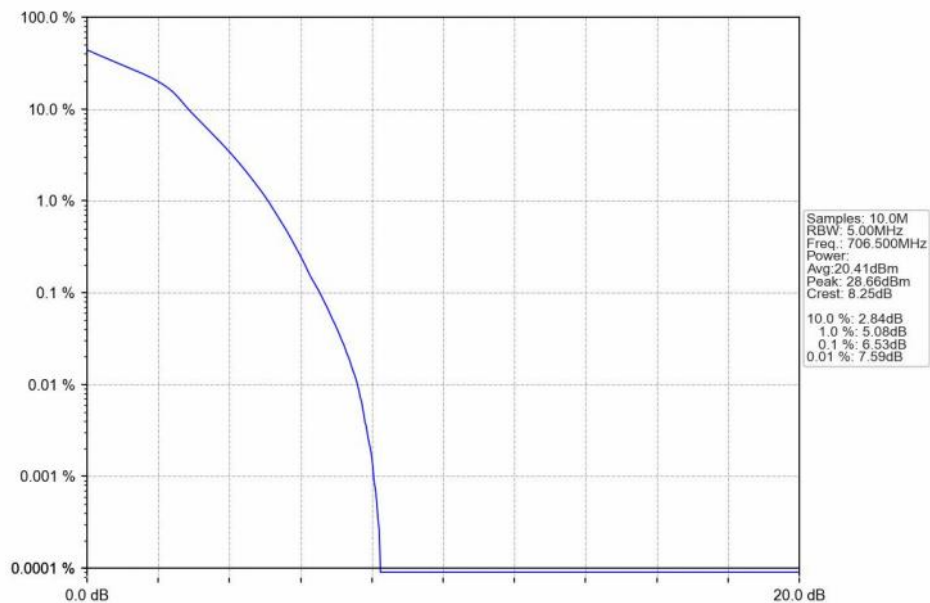
5.2.1 B17_5MHz



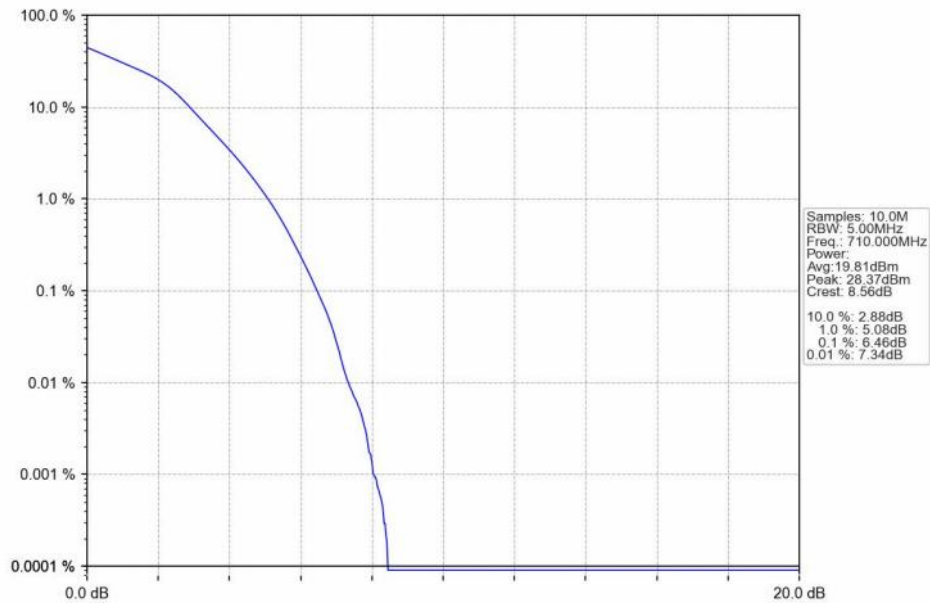
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



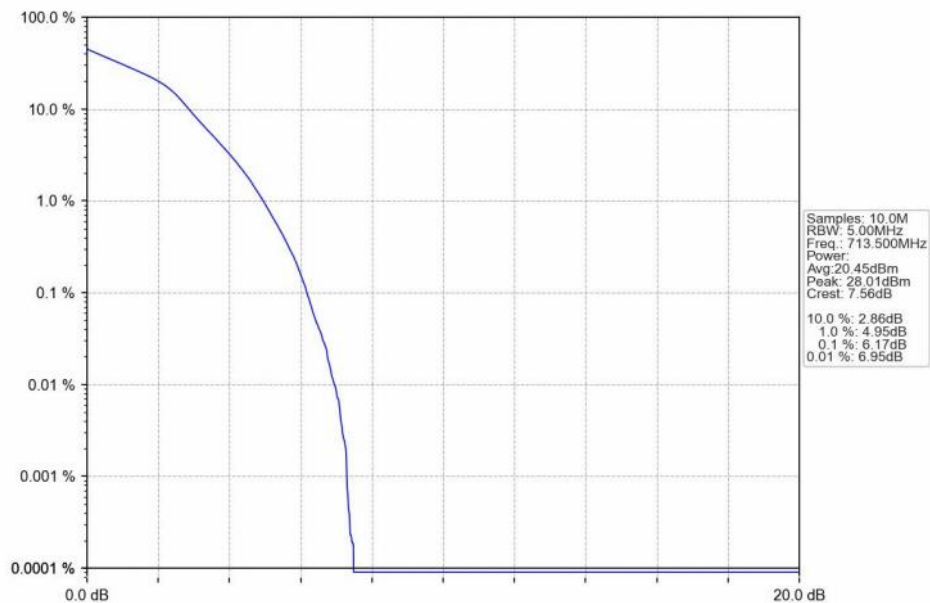
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



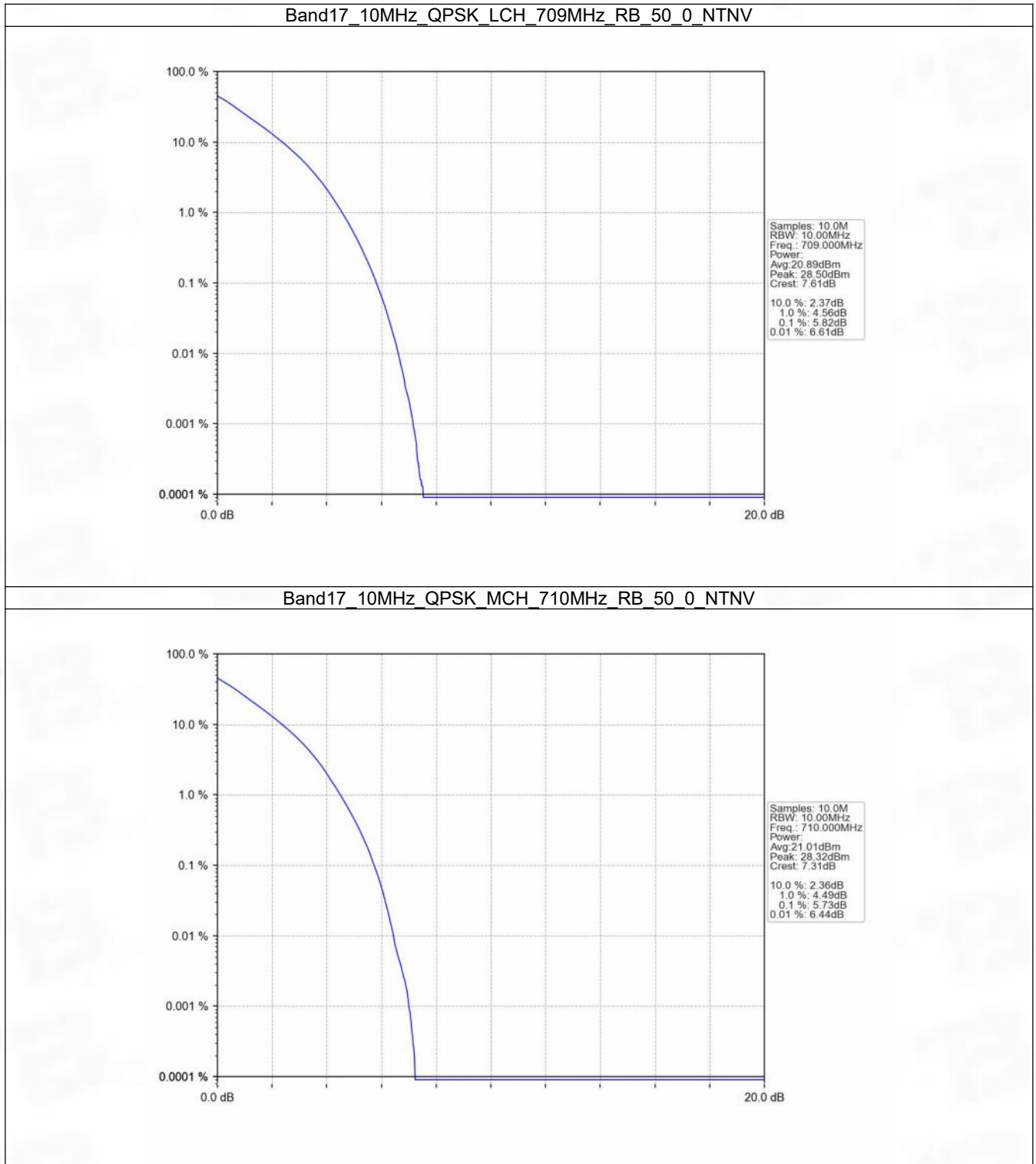
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



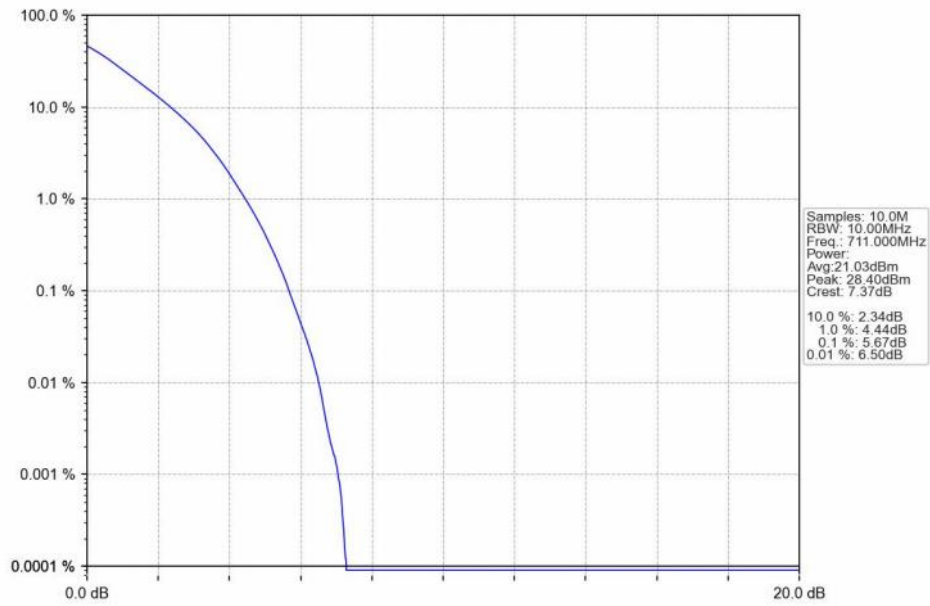
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



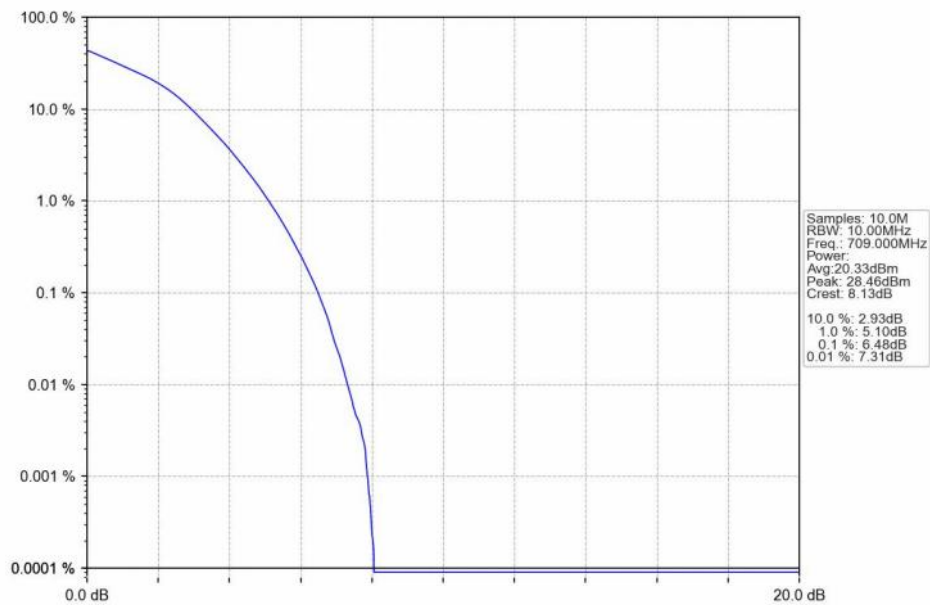
5.2.2 B17_10MHz



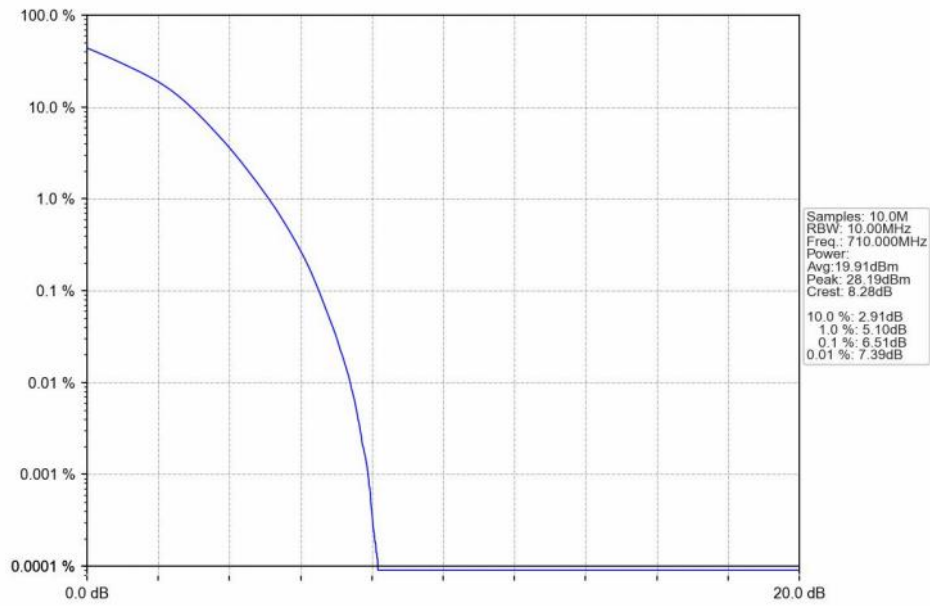
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



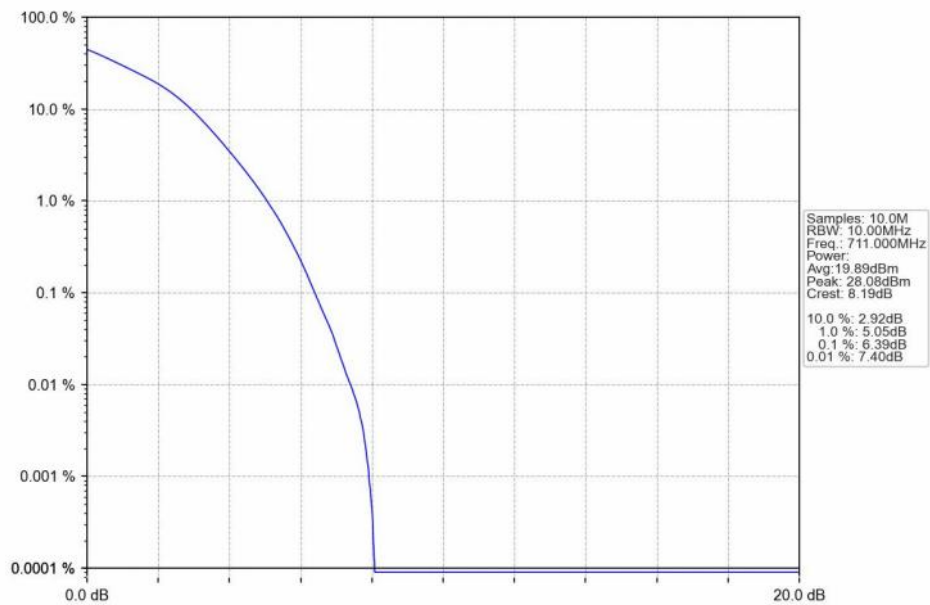
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

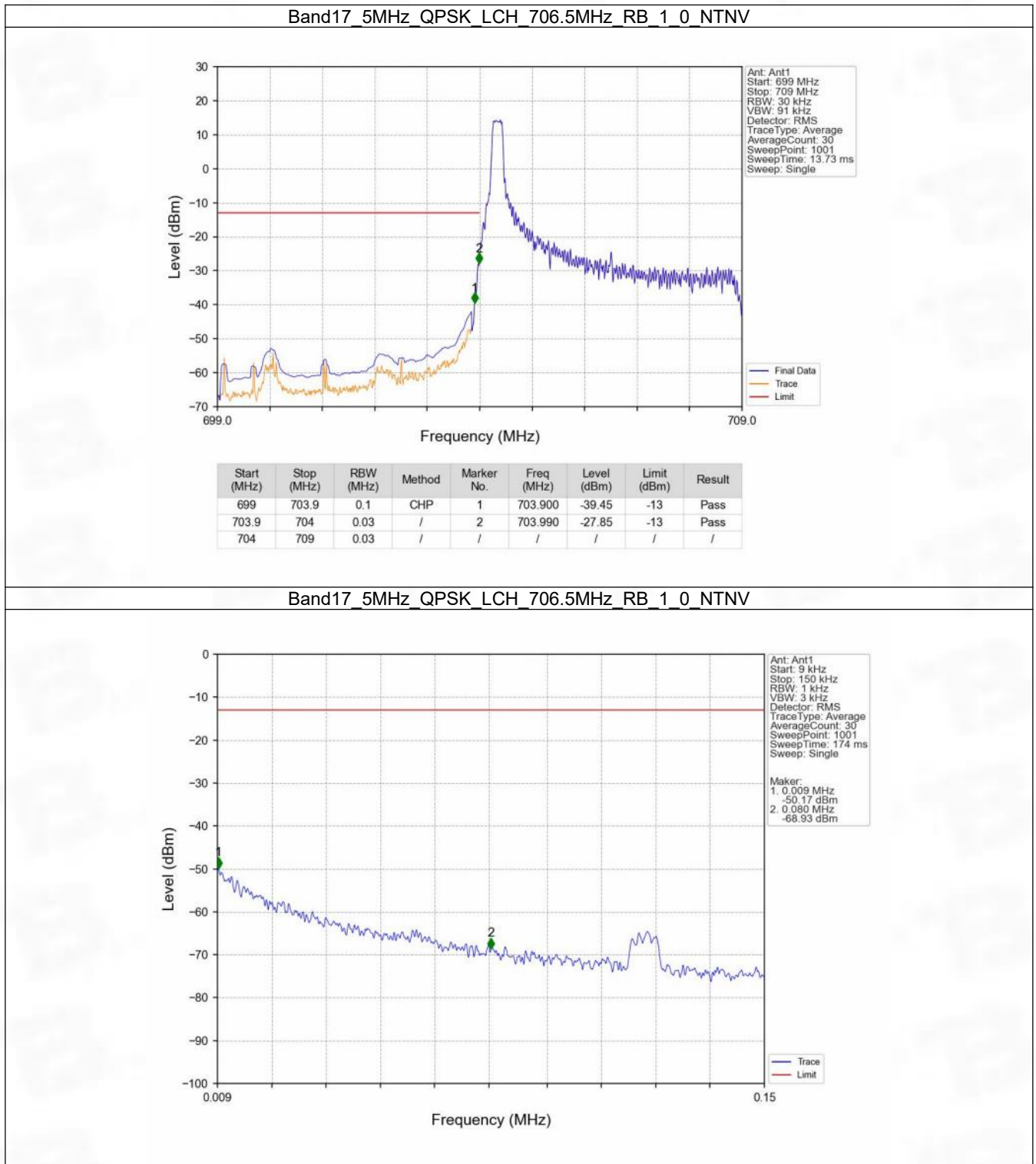
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

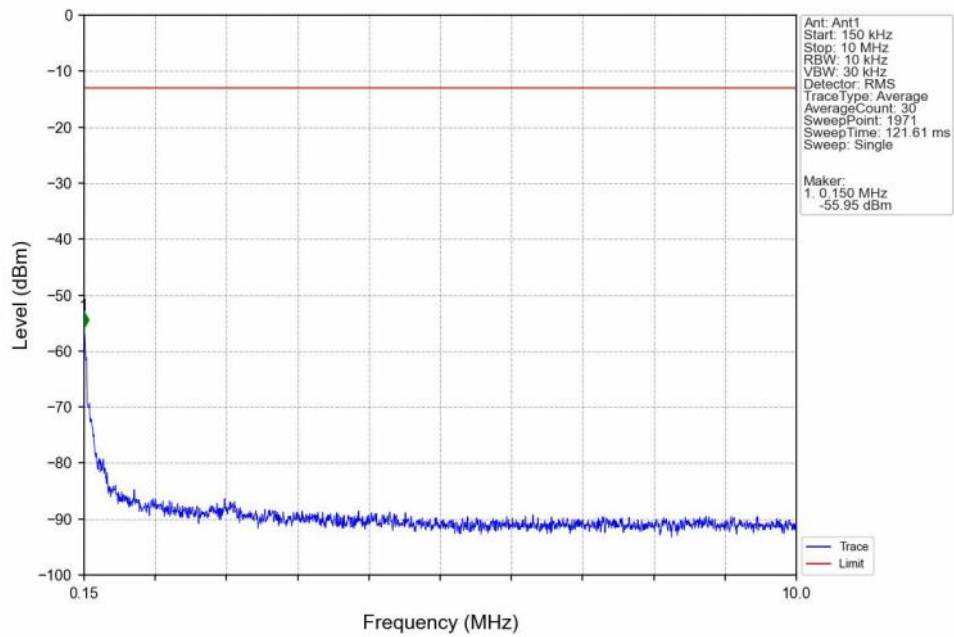
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

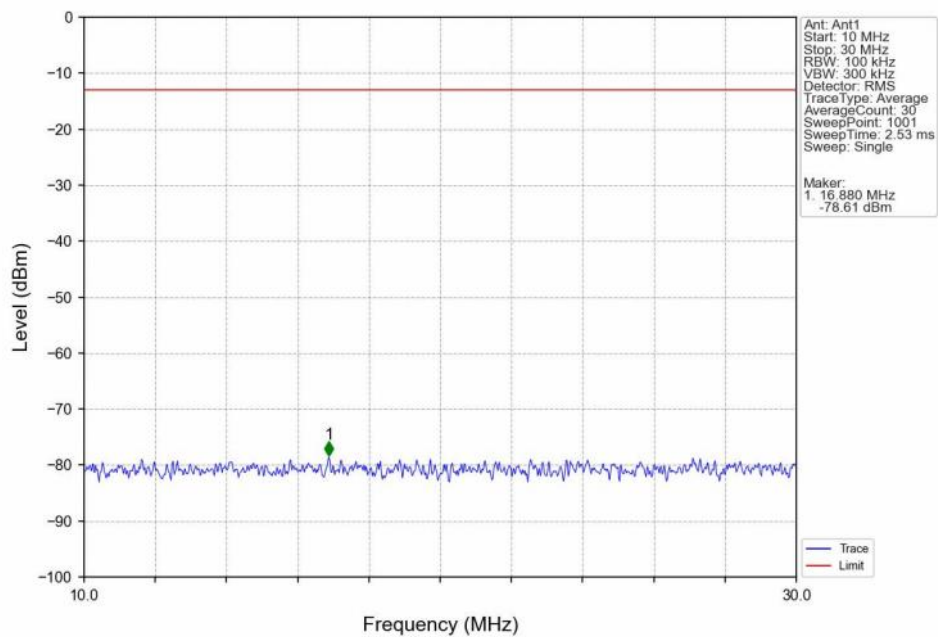
6.2.1 B17_5MHz



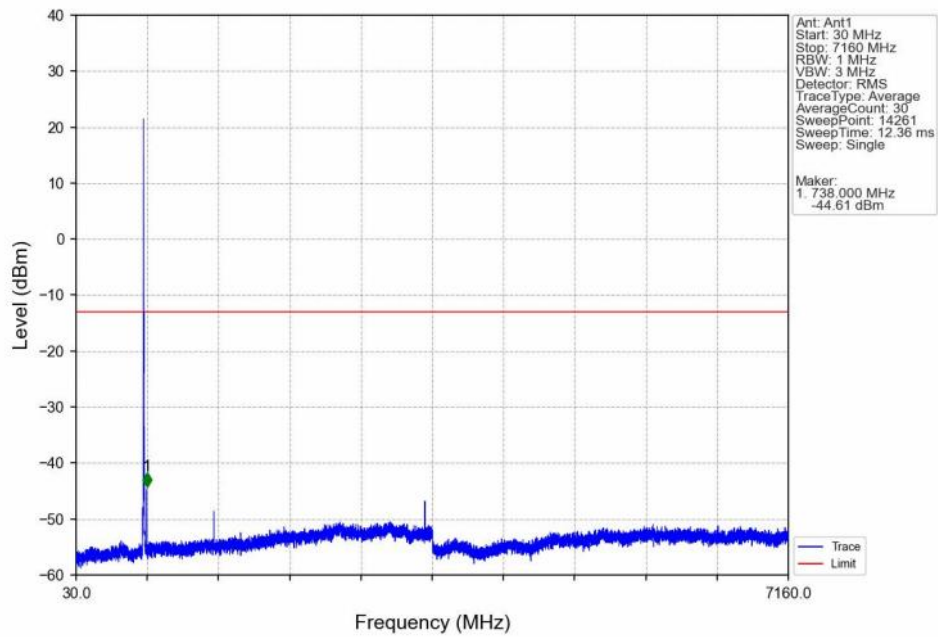
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



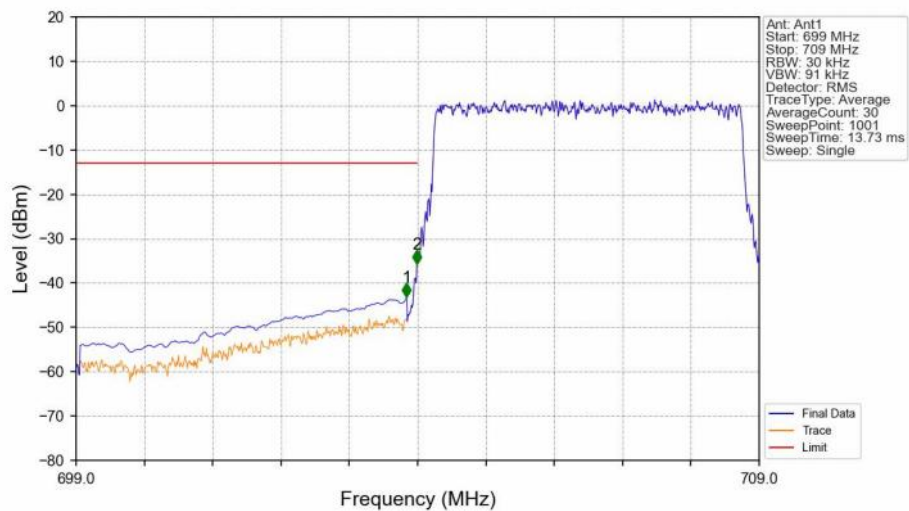
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

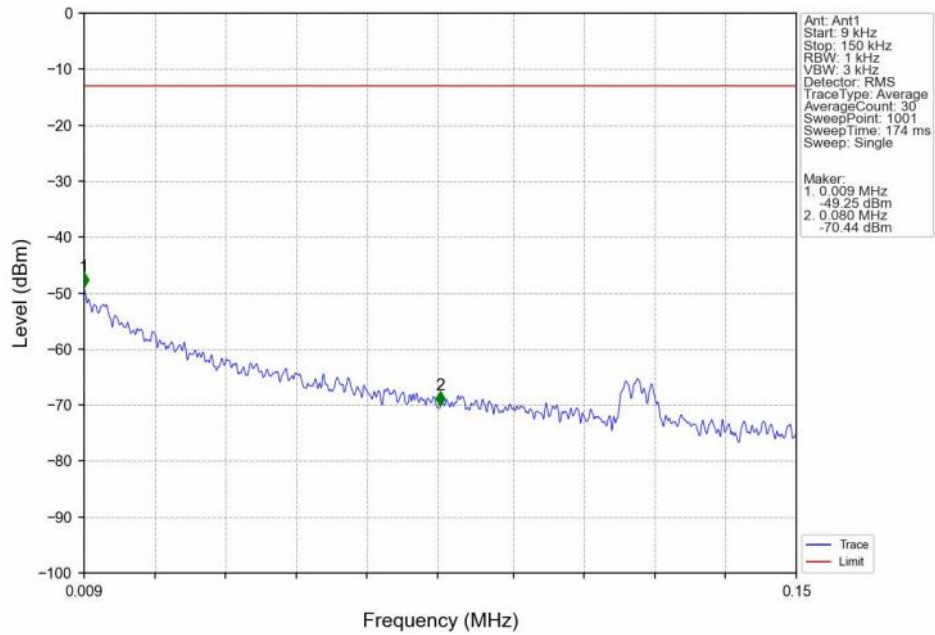


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

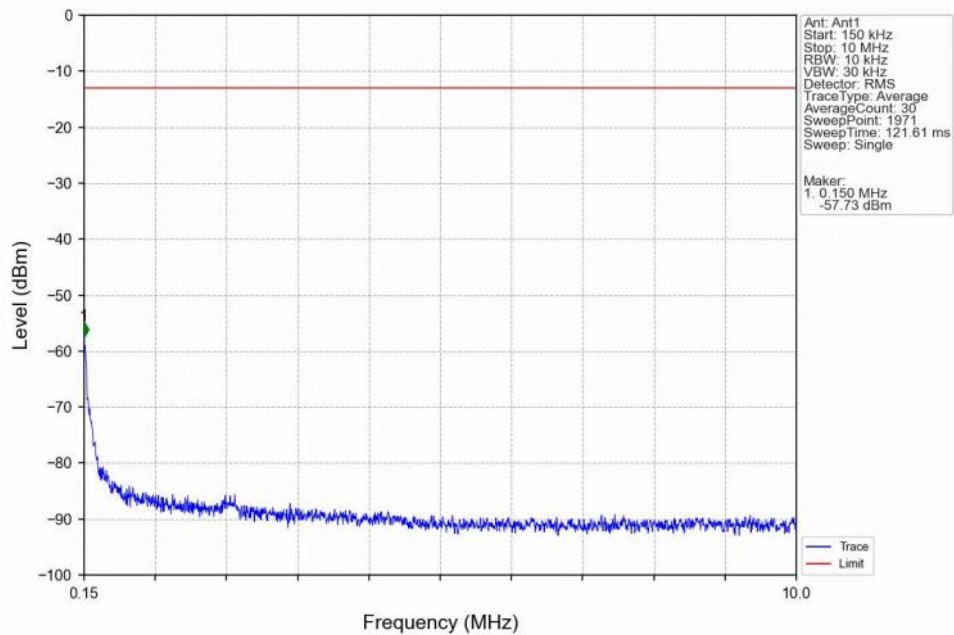


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-43.22	-13	Pass
703.9	704	0.03	/	2	703.990	-35.66	-13	Pass
704	709	0.03	/	/	/	/	/	/

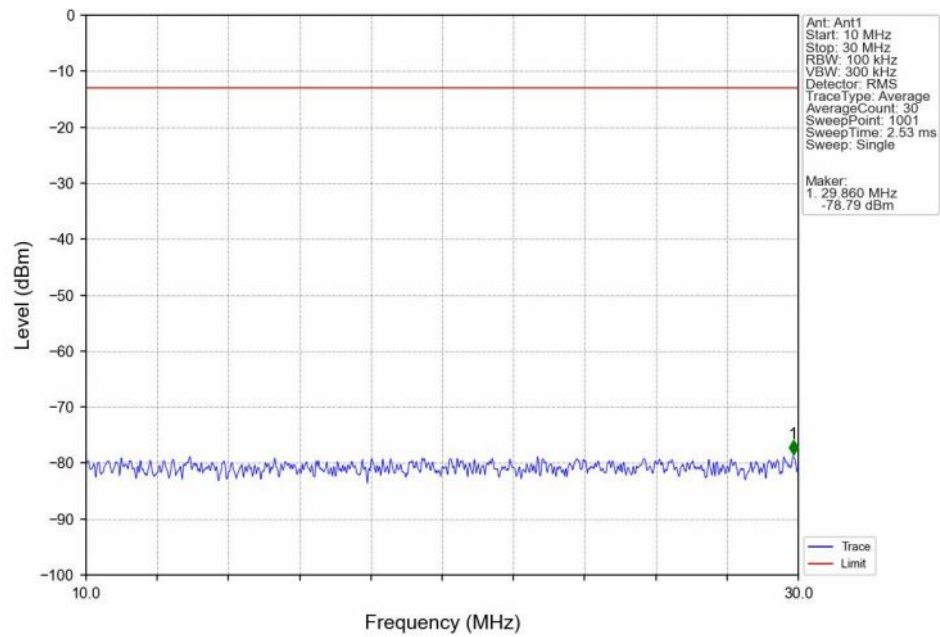
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



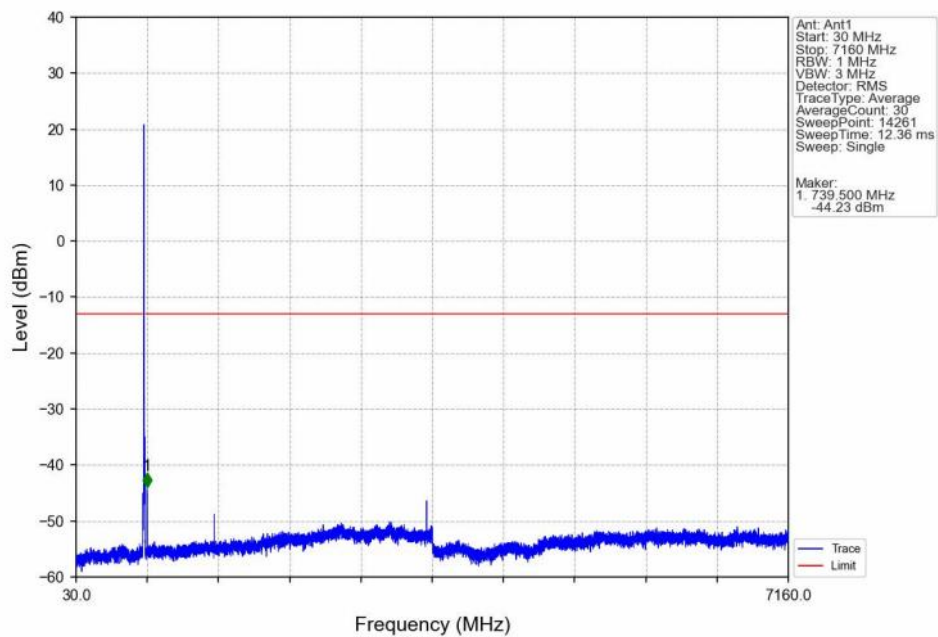
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



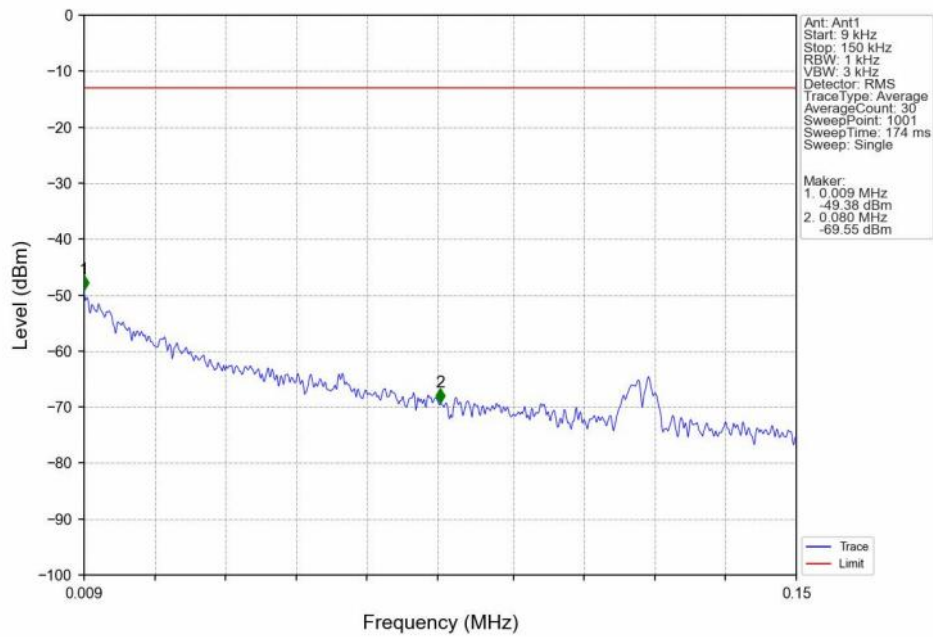
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



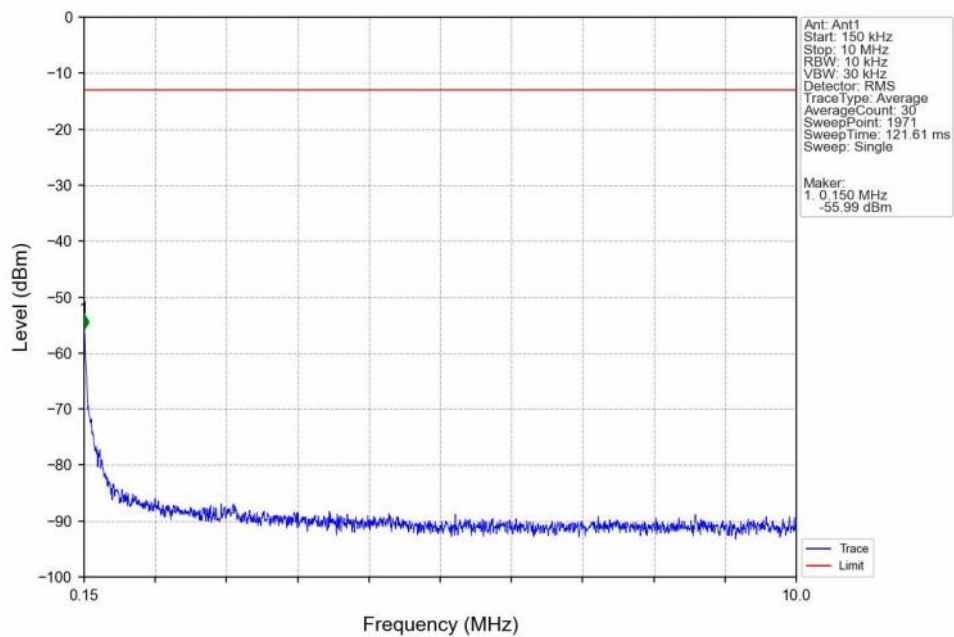
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



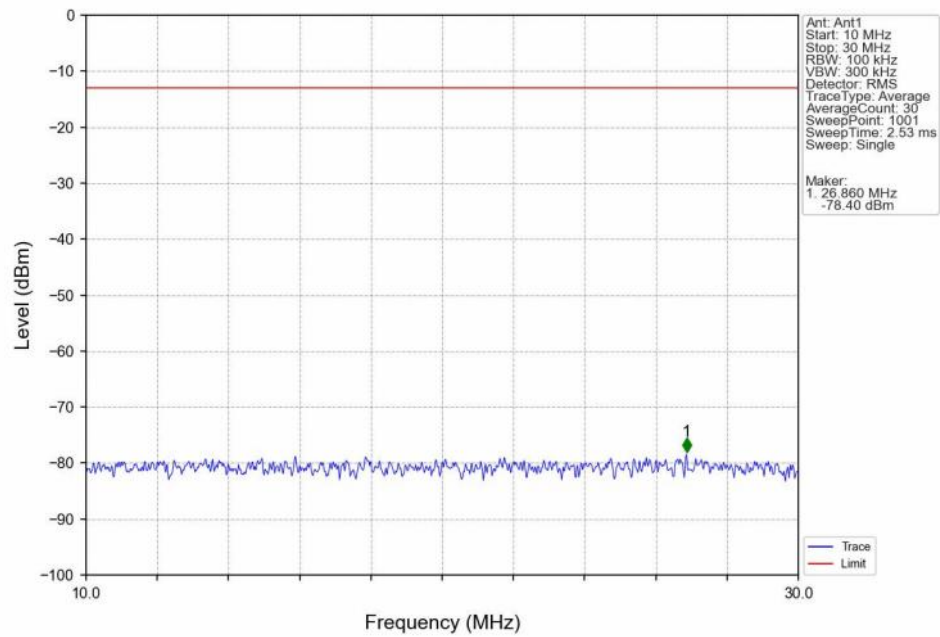
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



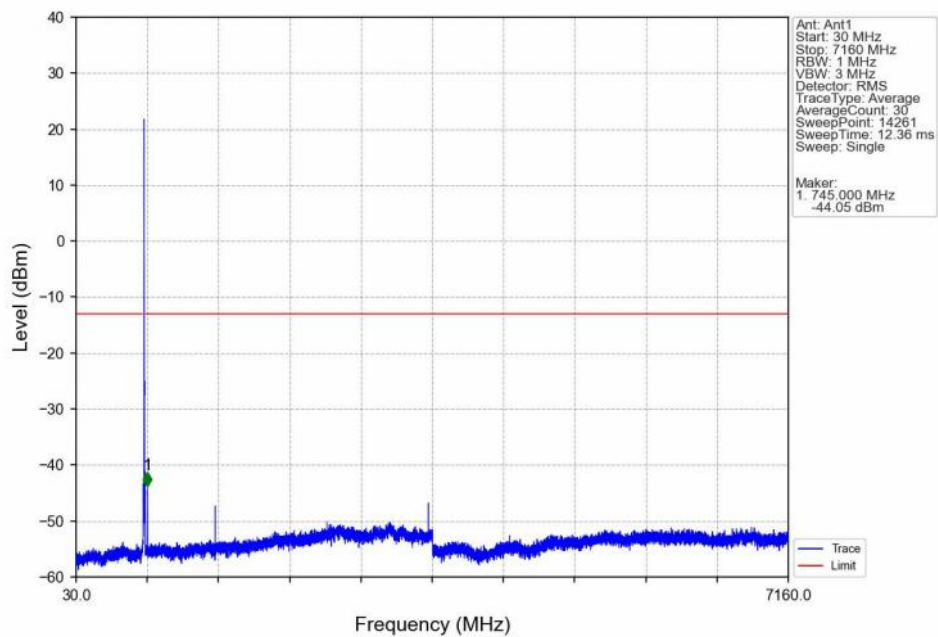
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



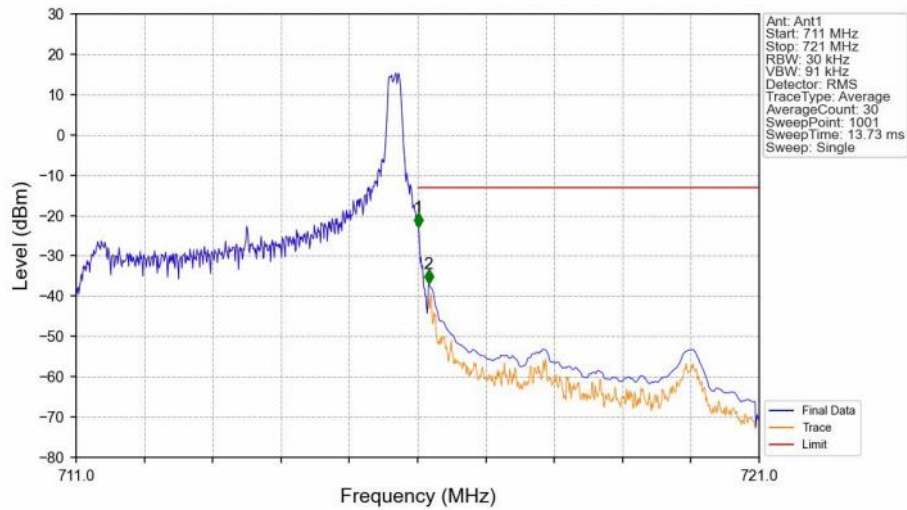
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



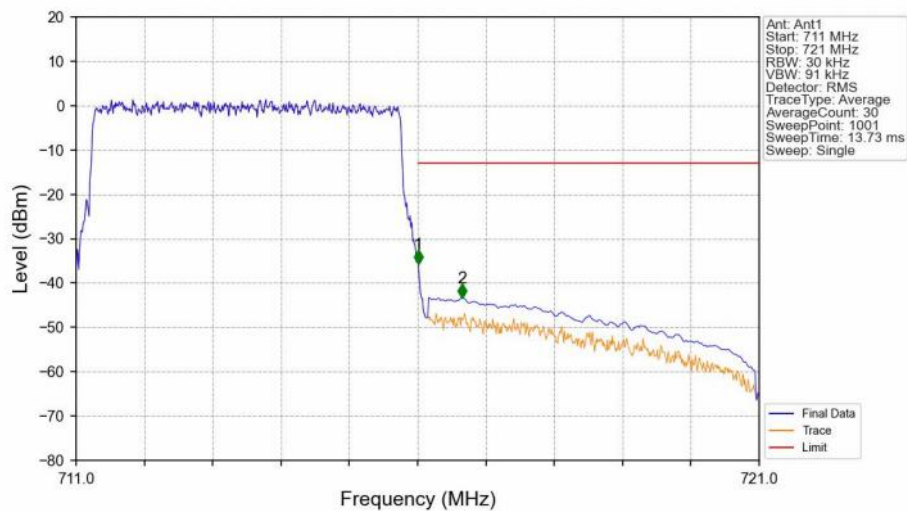
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



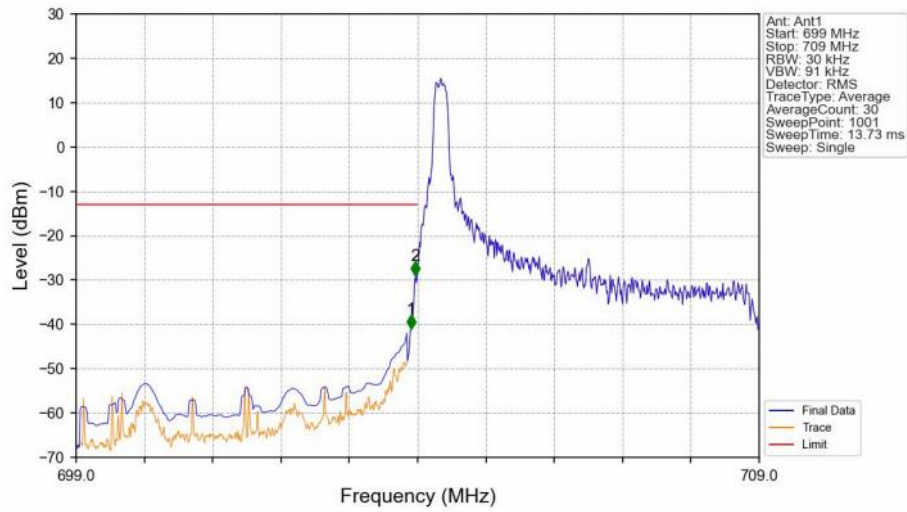
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



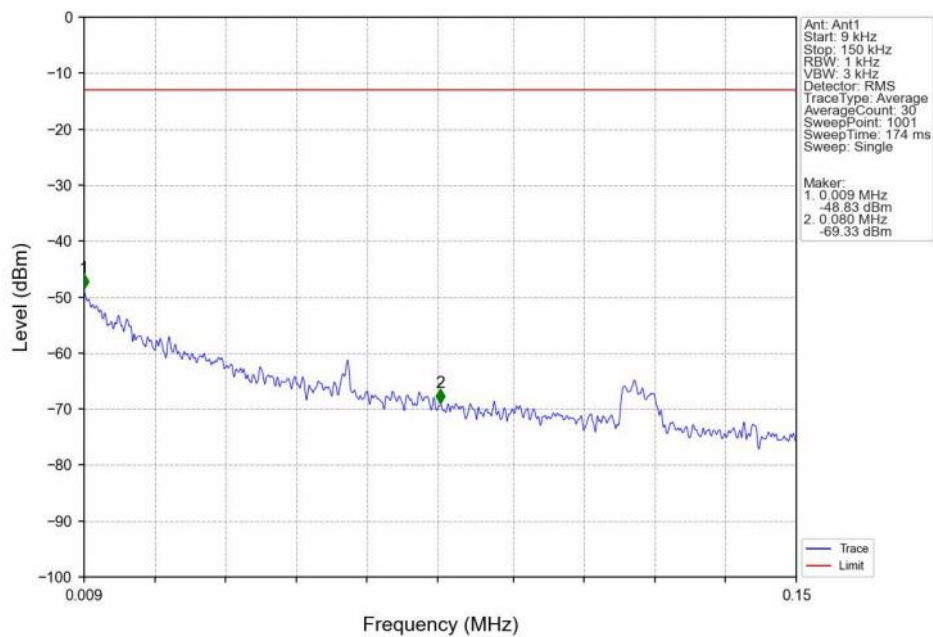
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



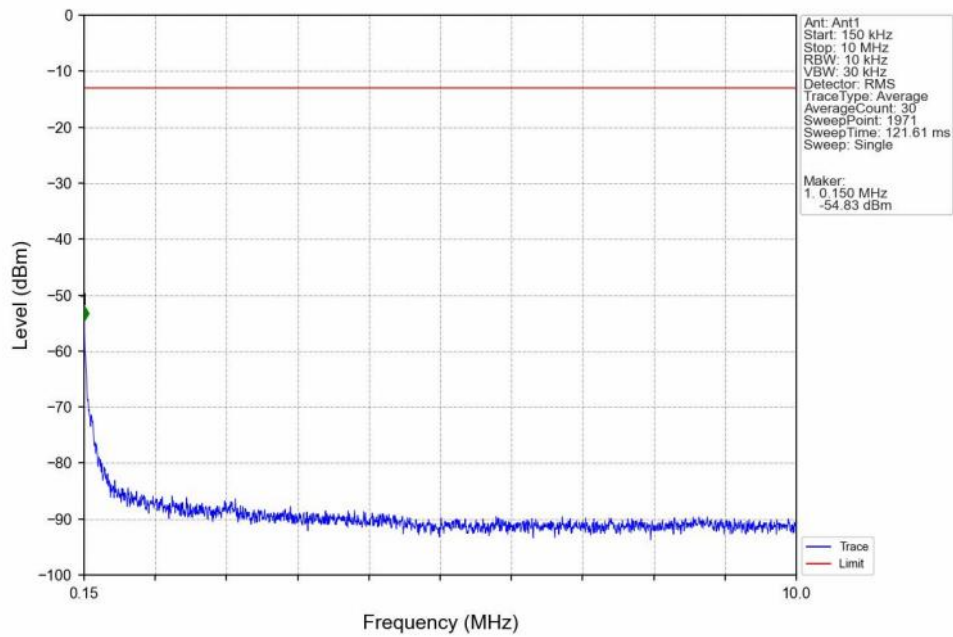
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



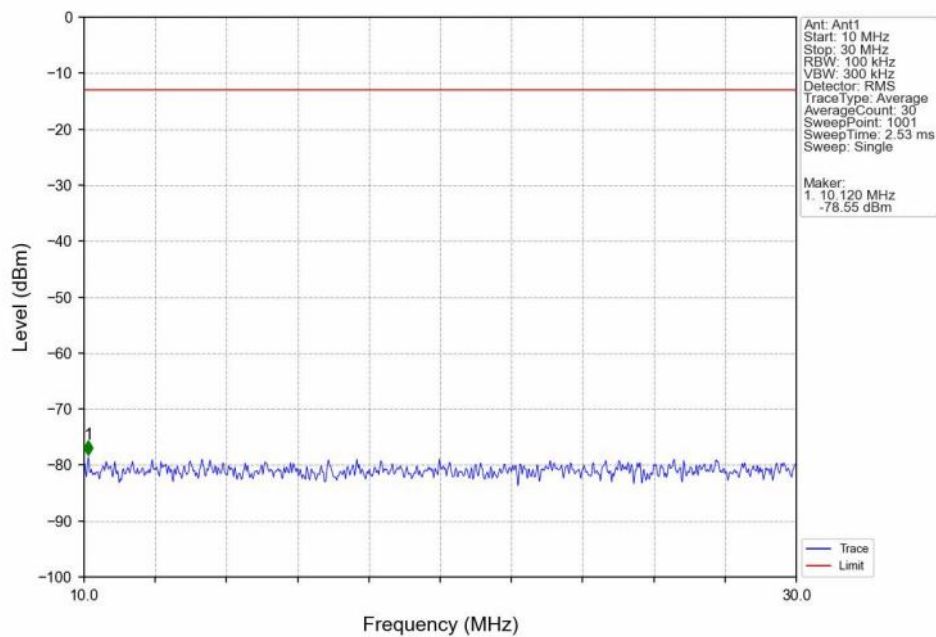
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



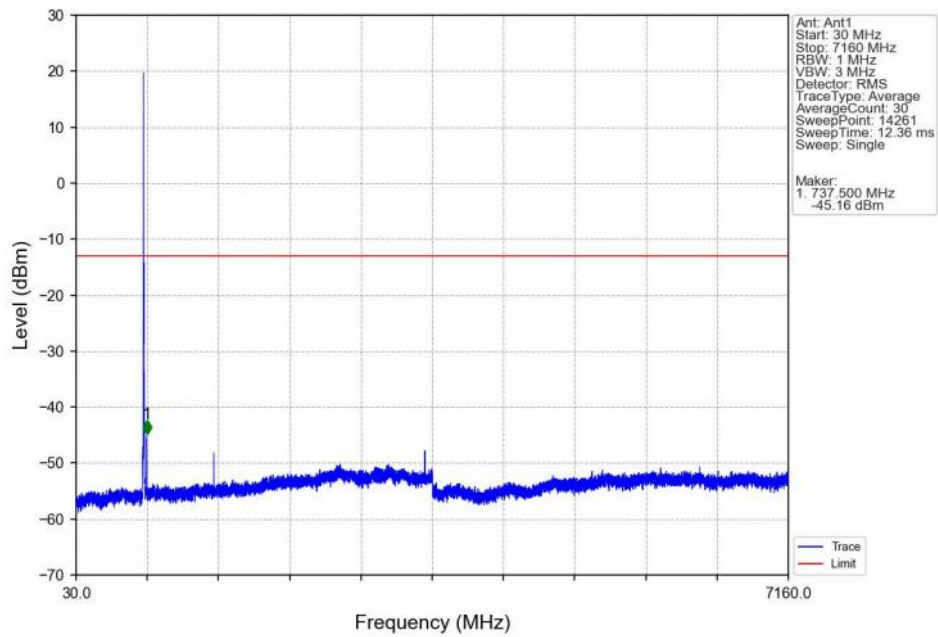
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



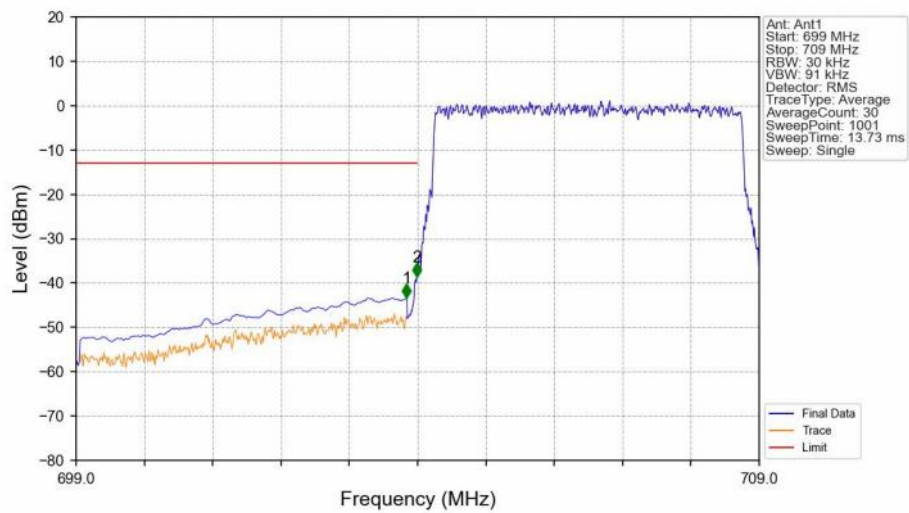
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

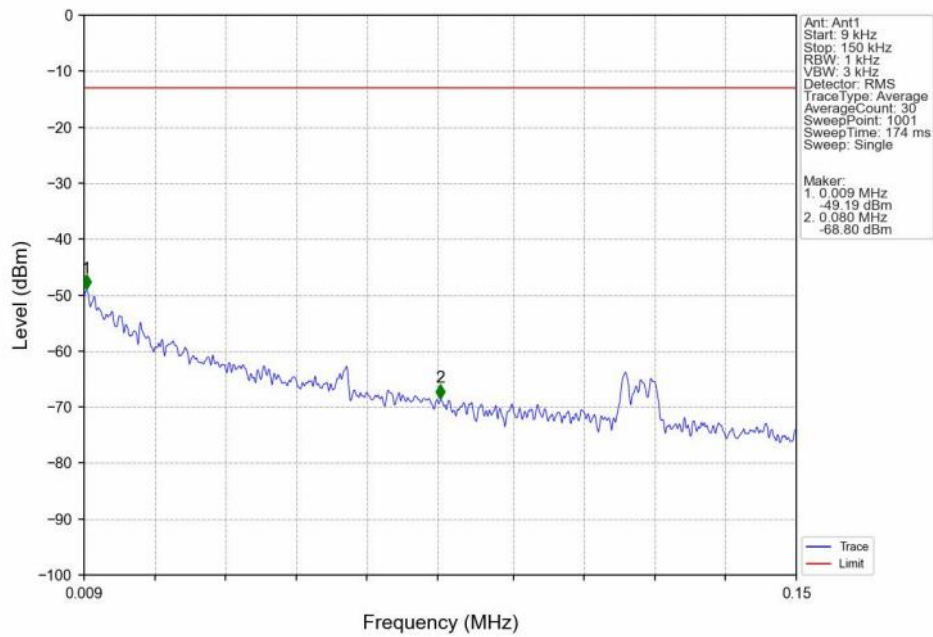


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

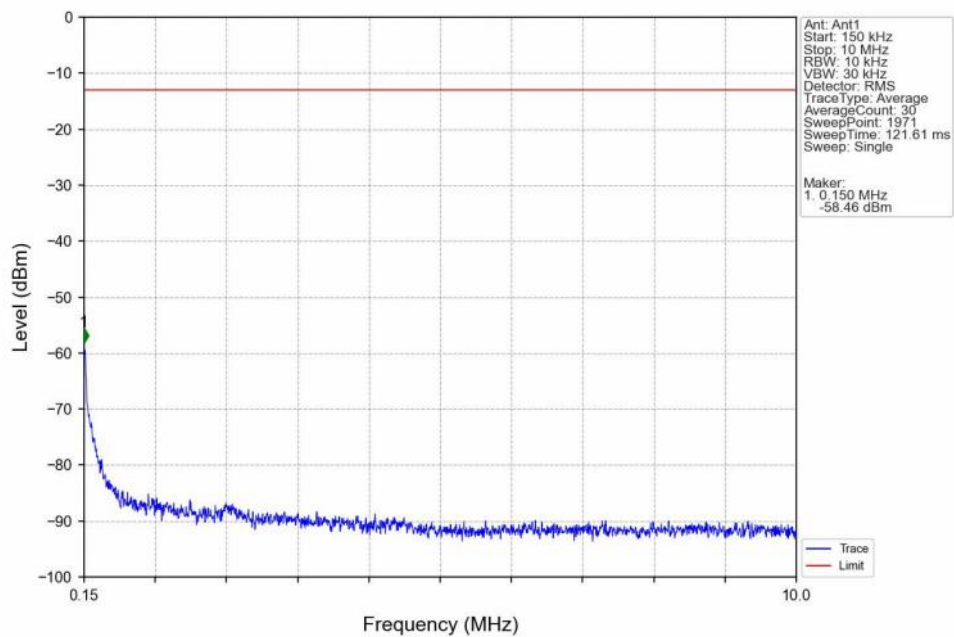


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-43.34	-13	Pass
703.9	704	0.03	/	2	703.990	-38.68	-13	Pass
704	709	0.03	/	/	/	/	/	/

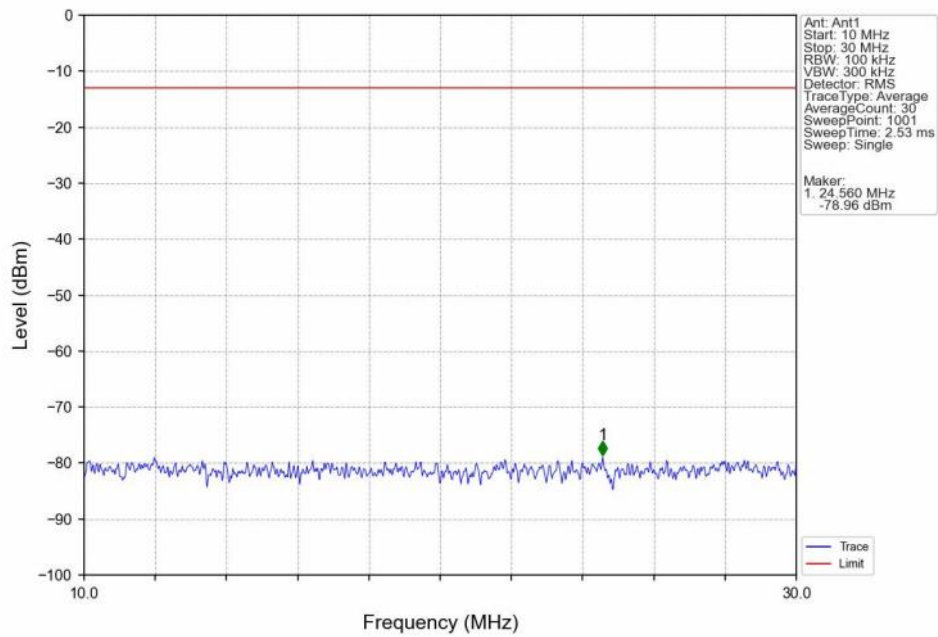
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



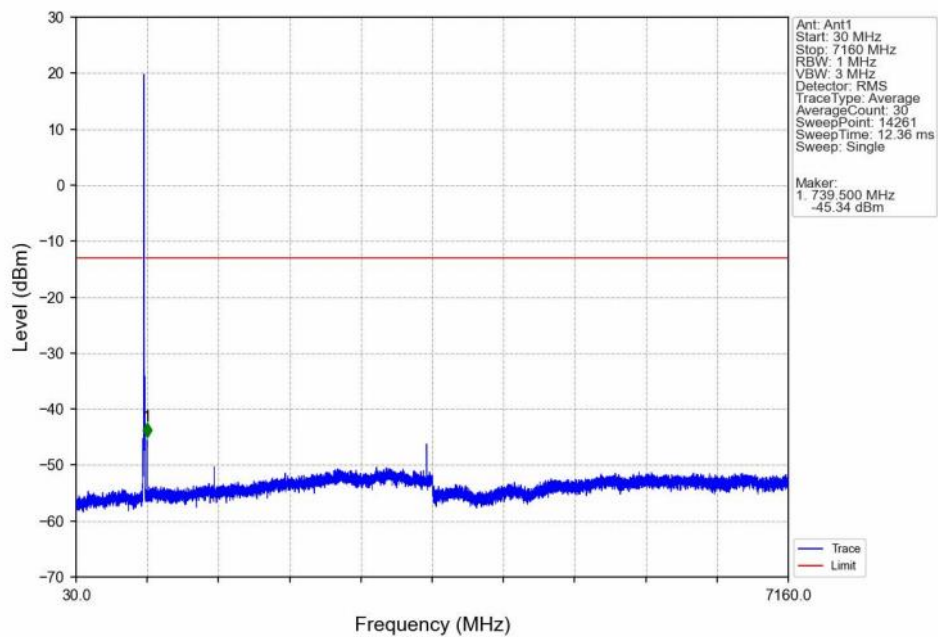
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



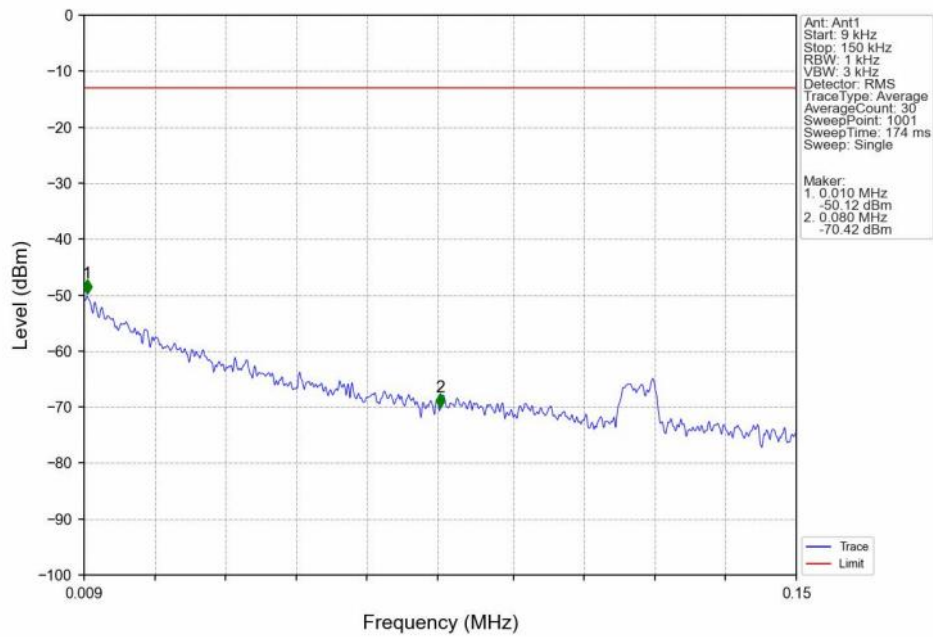
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



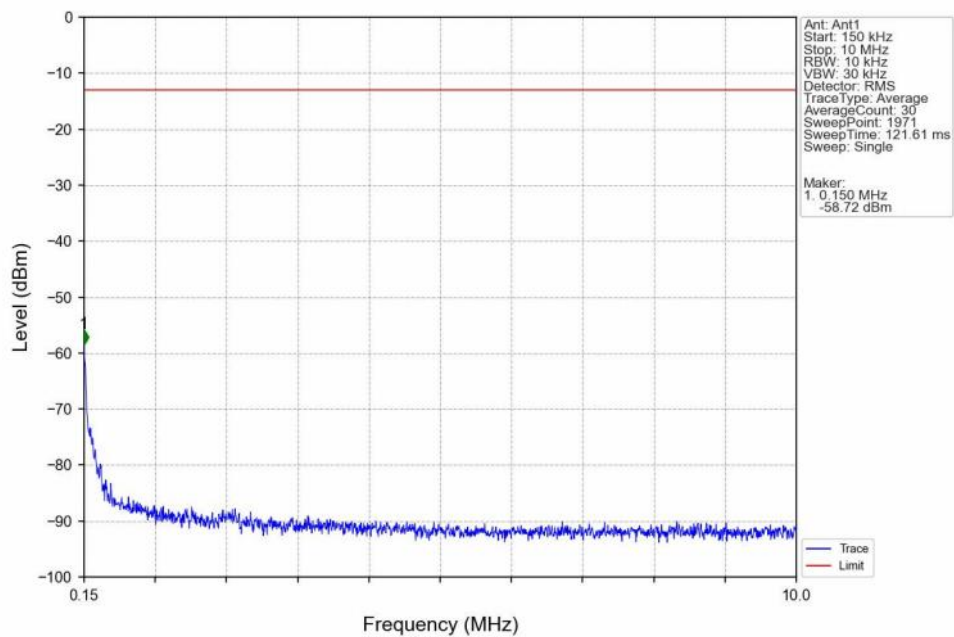
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



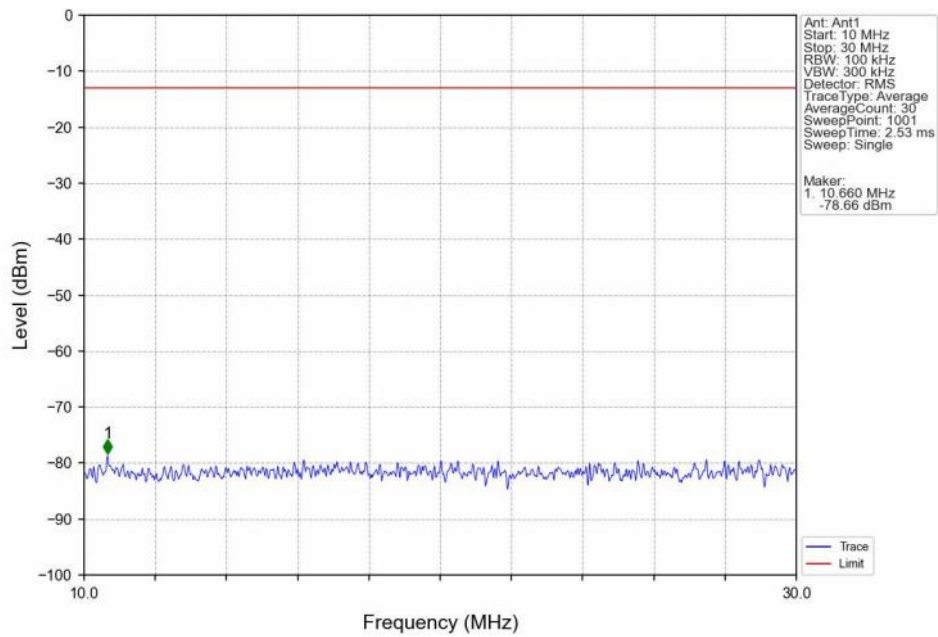
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



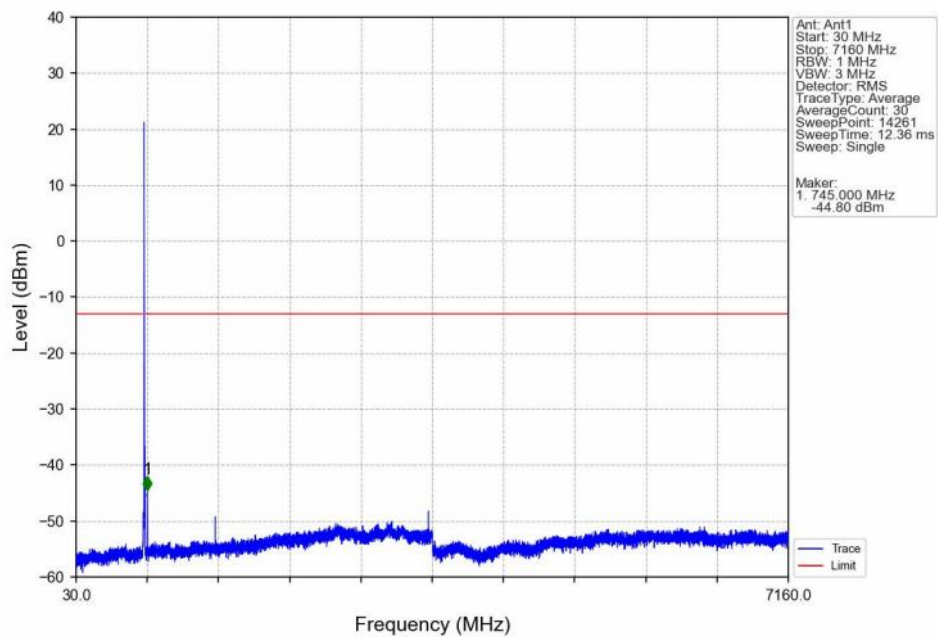
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



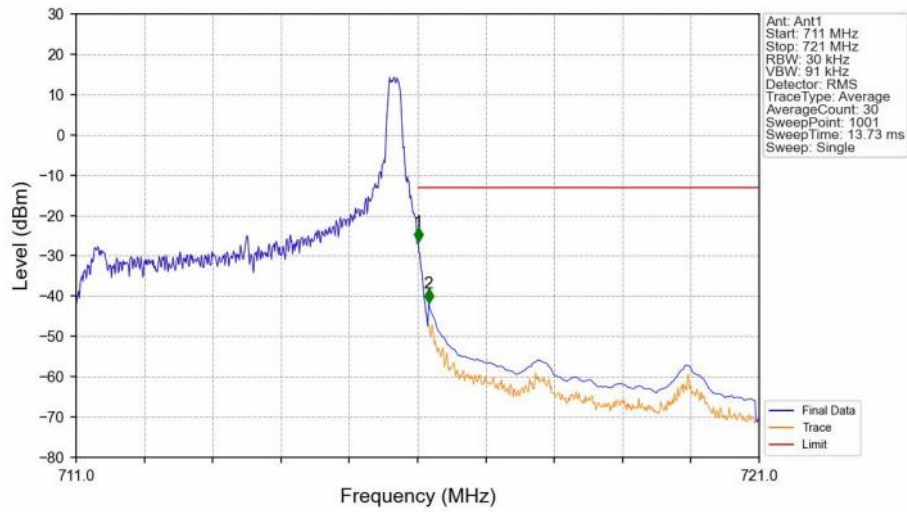
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



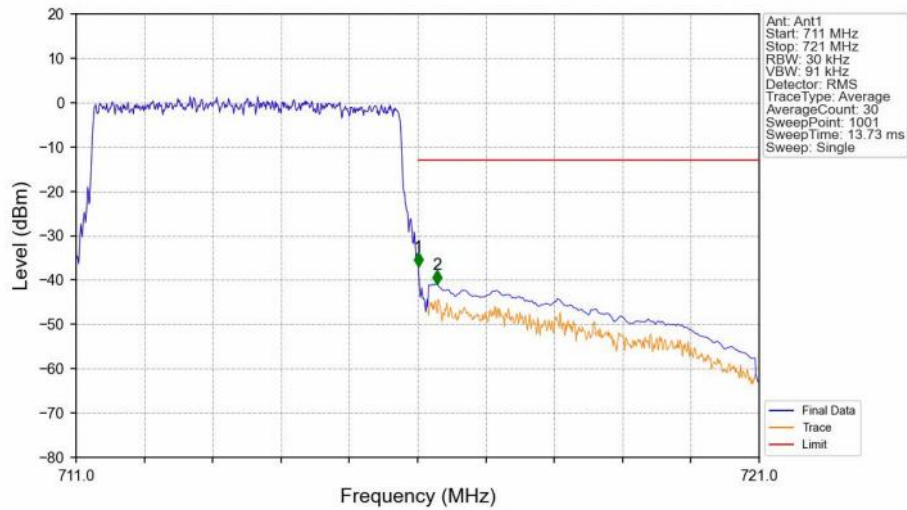
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



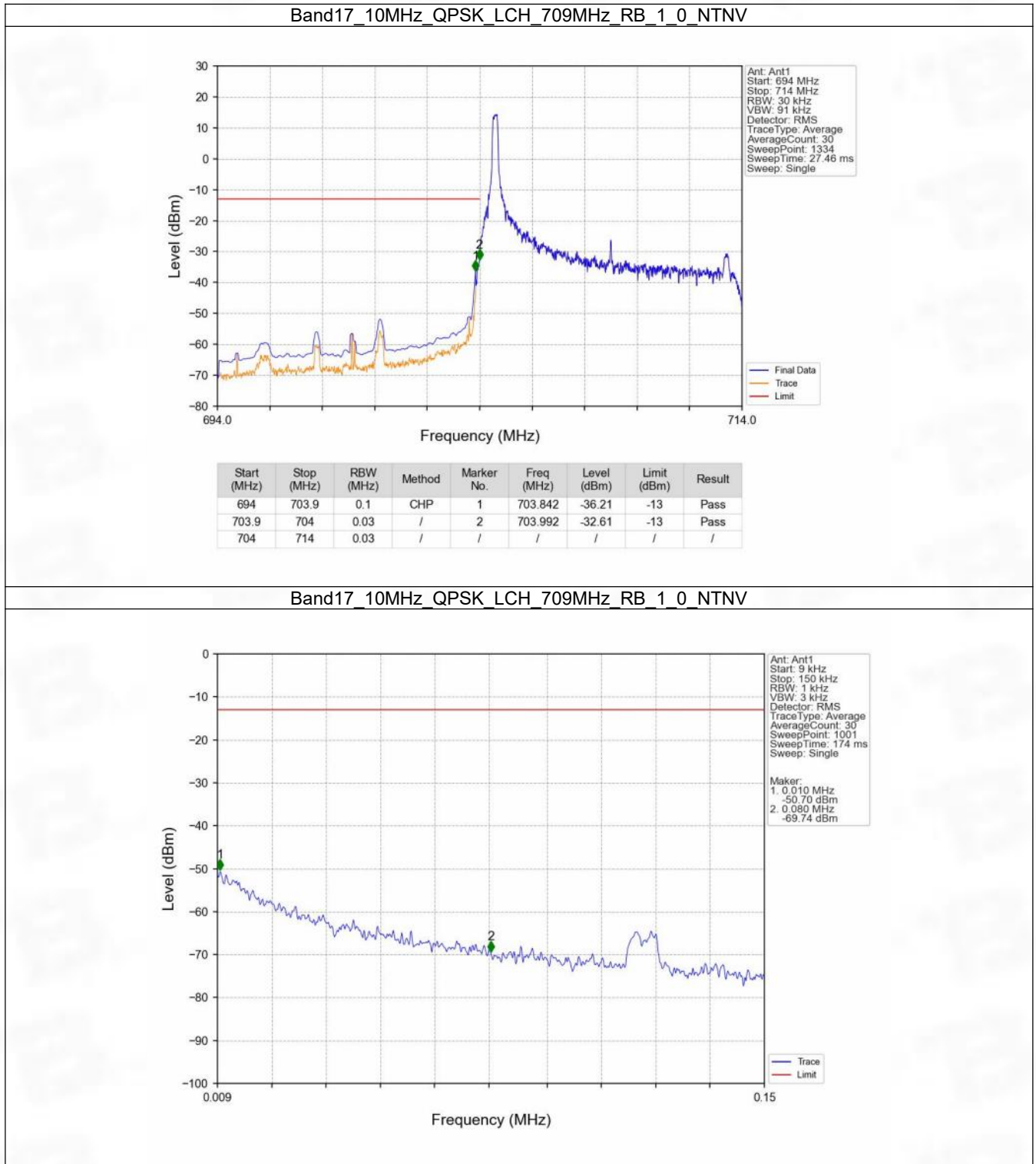
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



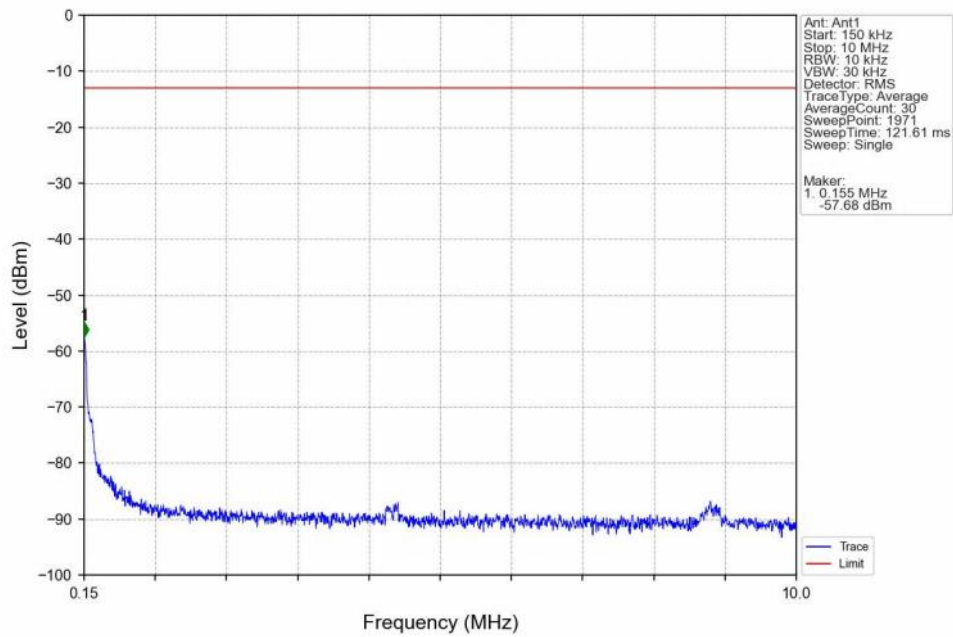
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



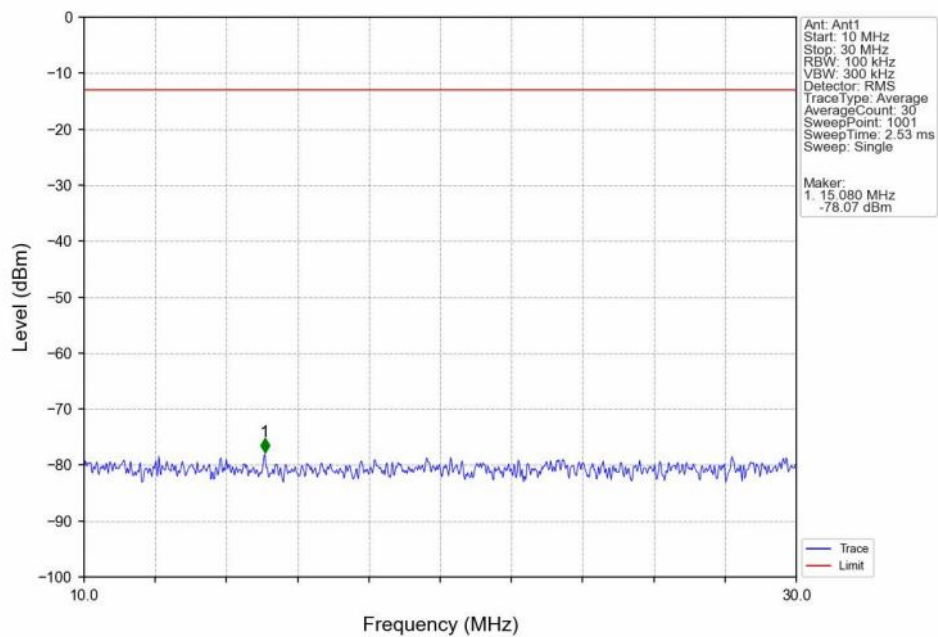
6.2.2 B17_10MHz



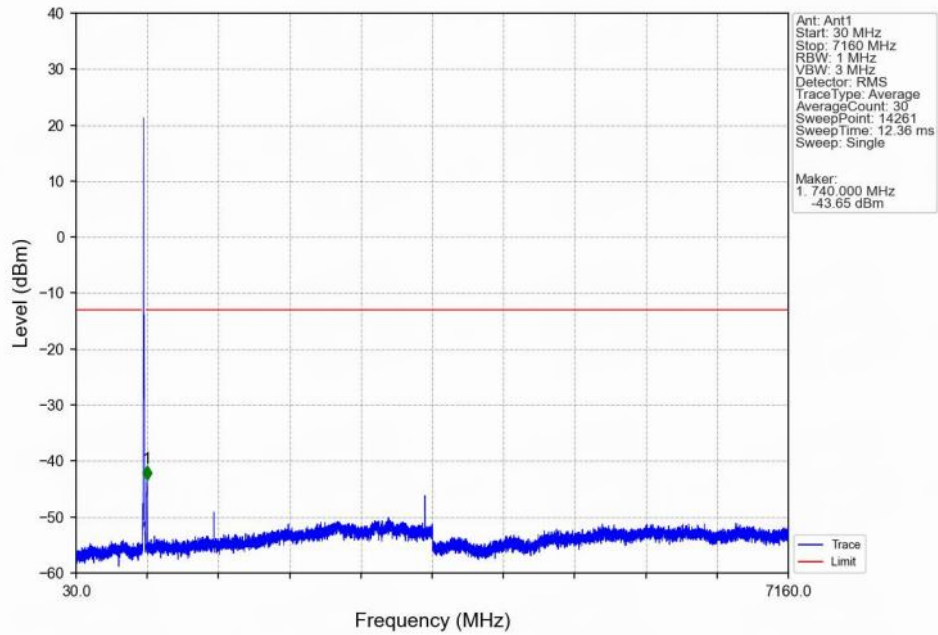
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



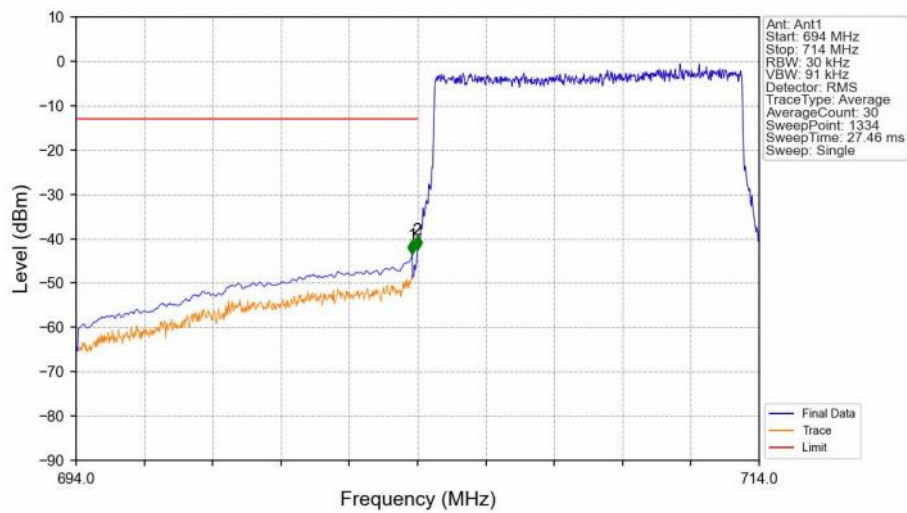
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

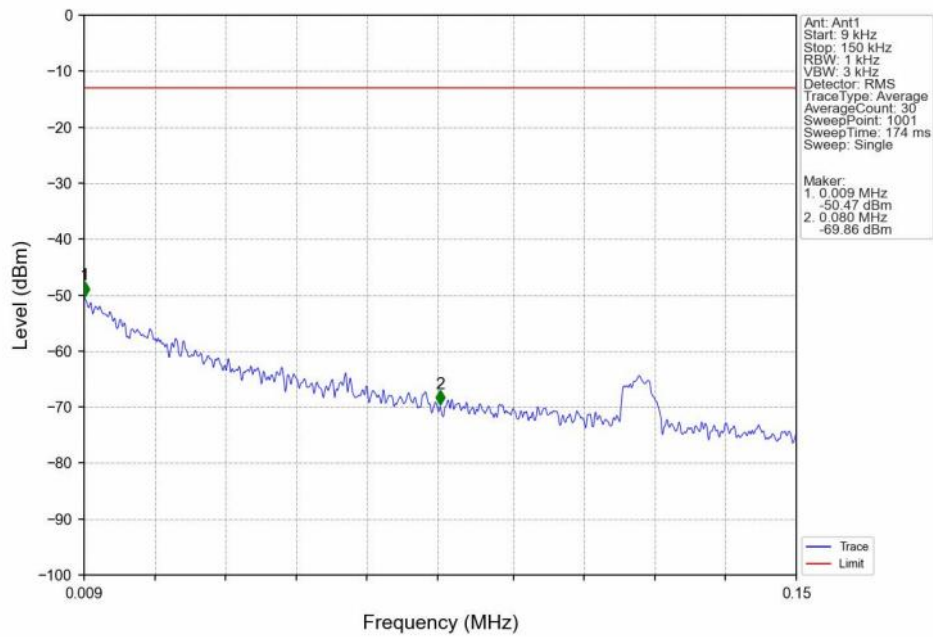


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

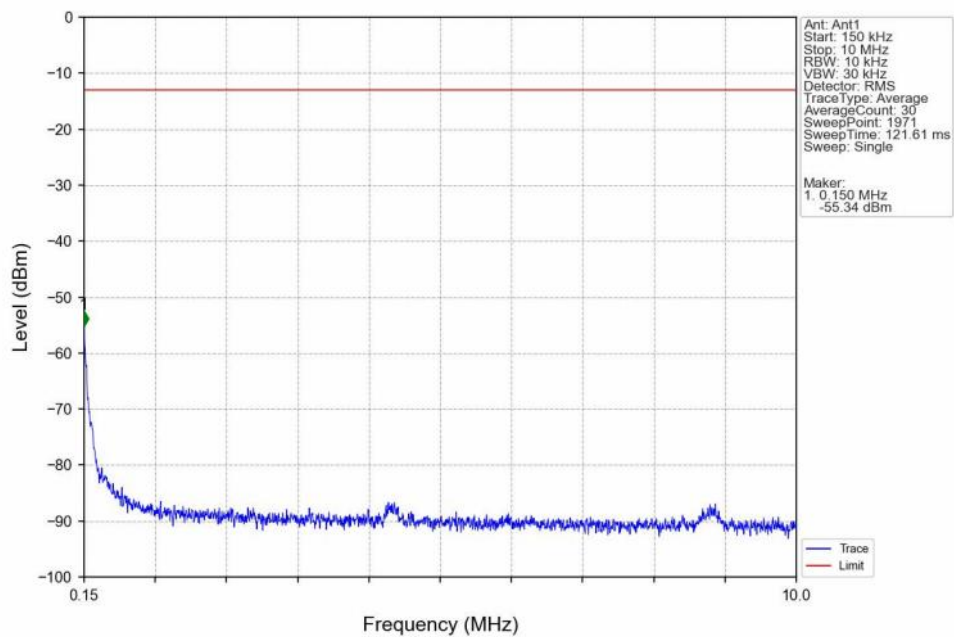


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-43.54	-13	Pass
703.9	704	0.03	/	2	703.992	-42.49	-13	Pass
704	714	0.03	/	/	/	/	/	/

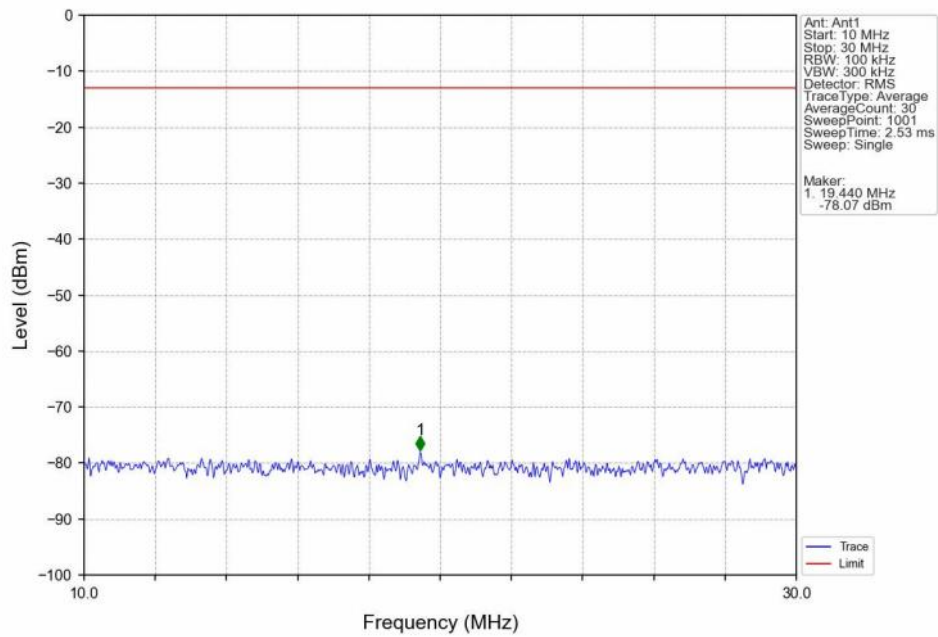
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



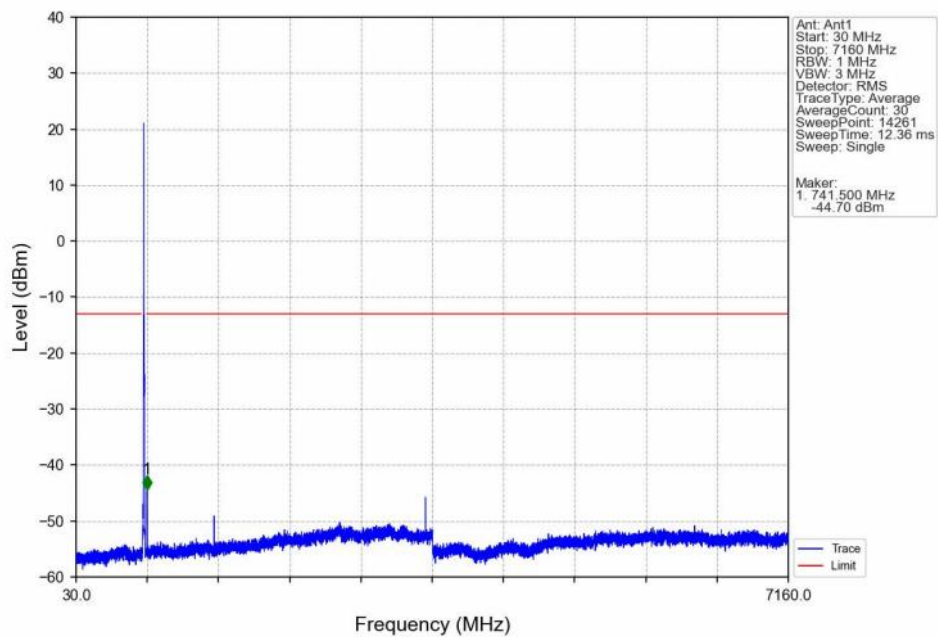
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



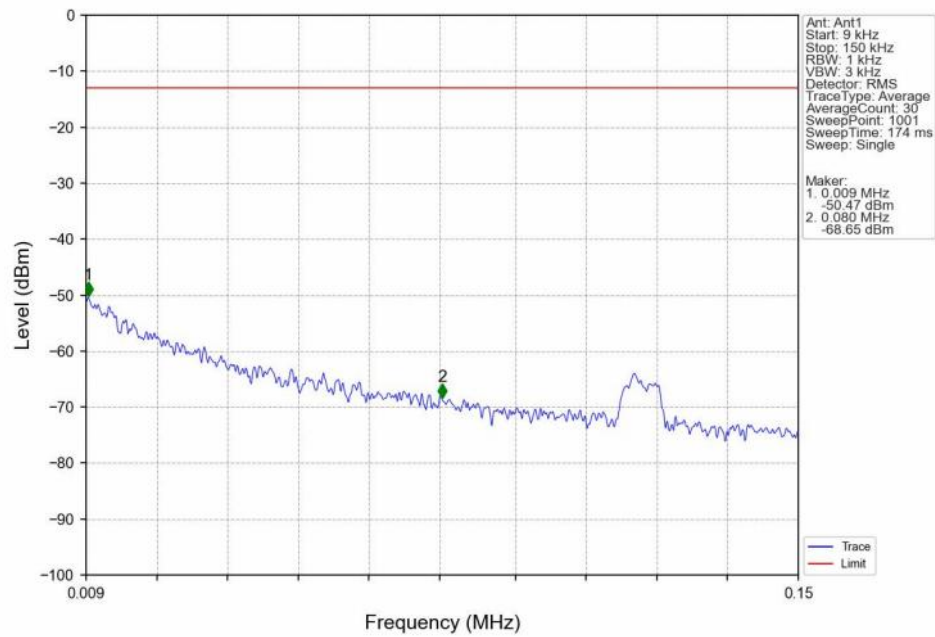
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



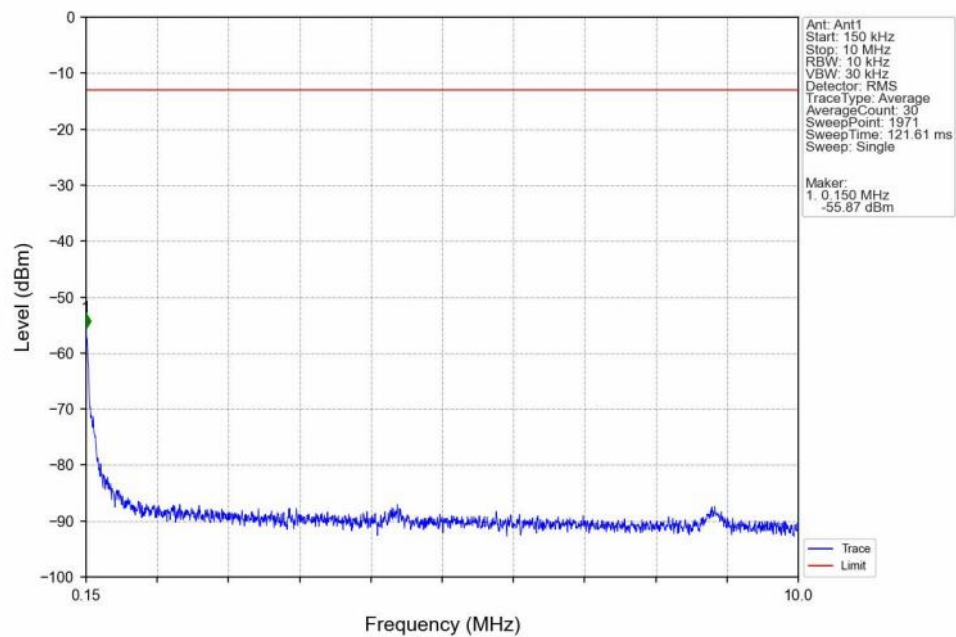
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



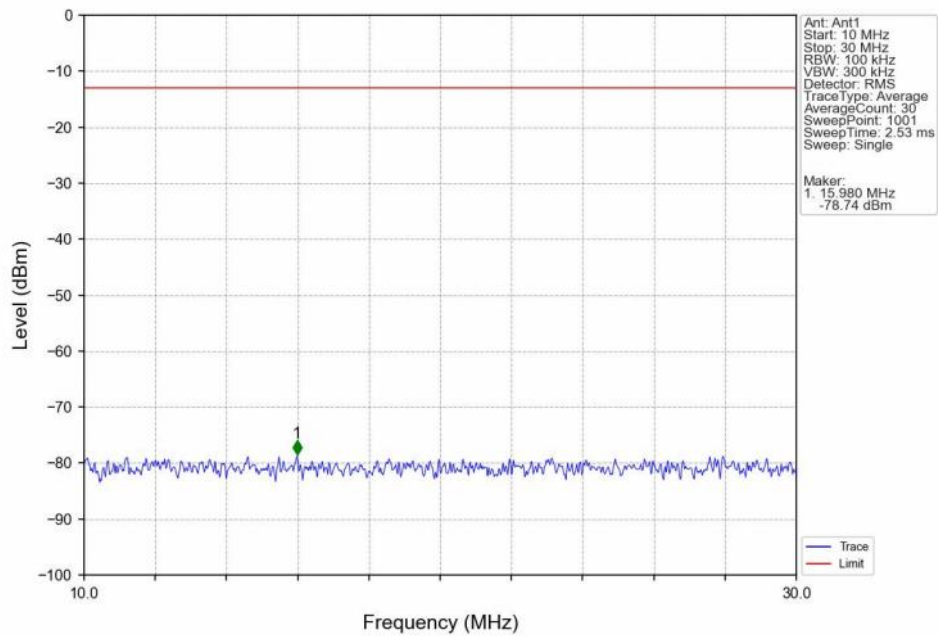
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



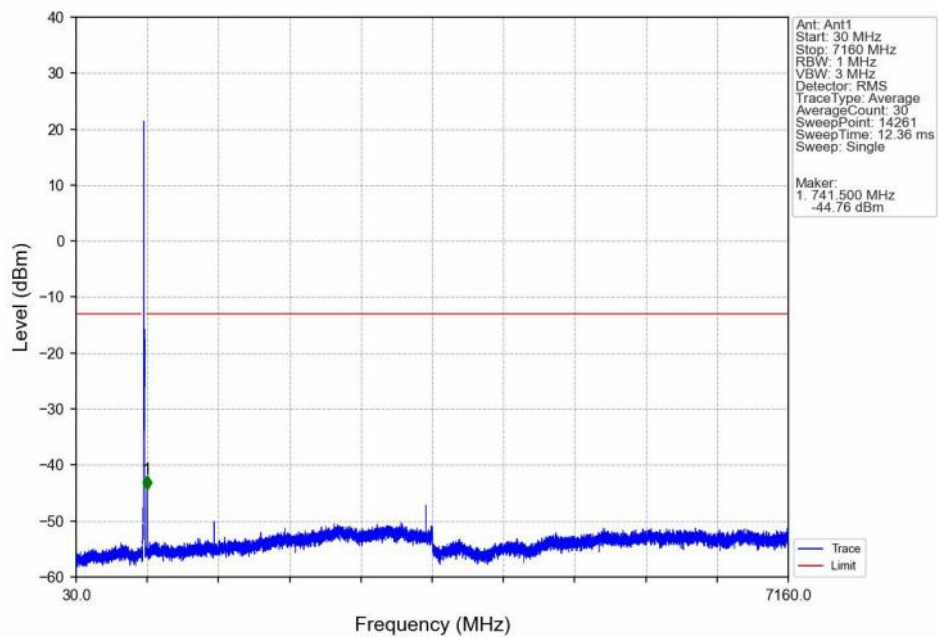
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



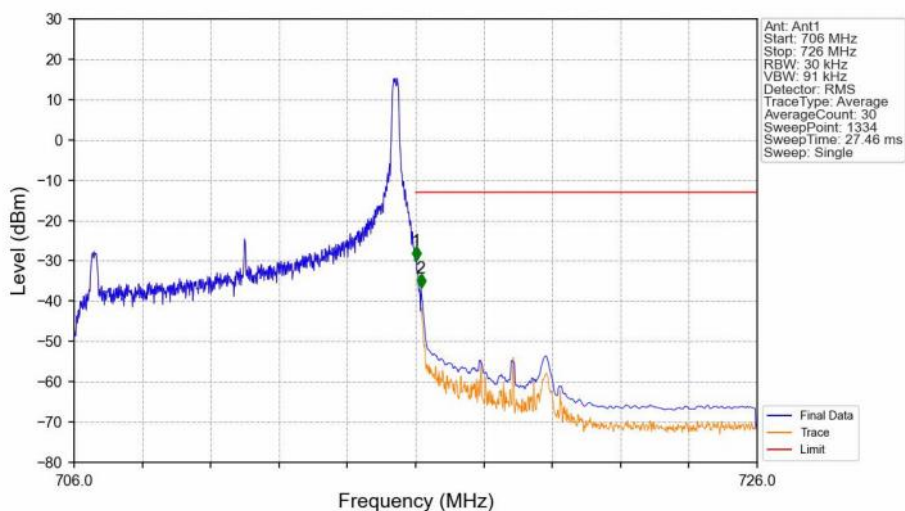
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

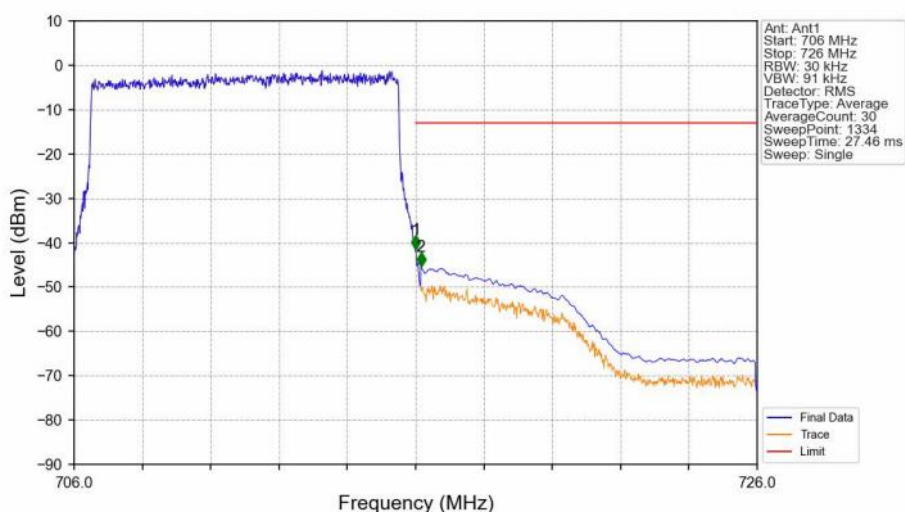


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



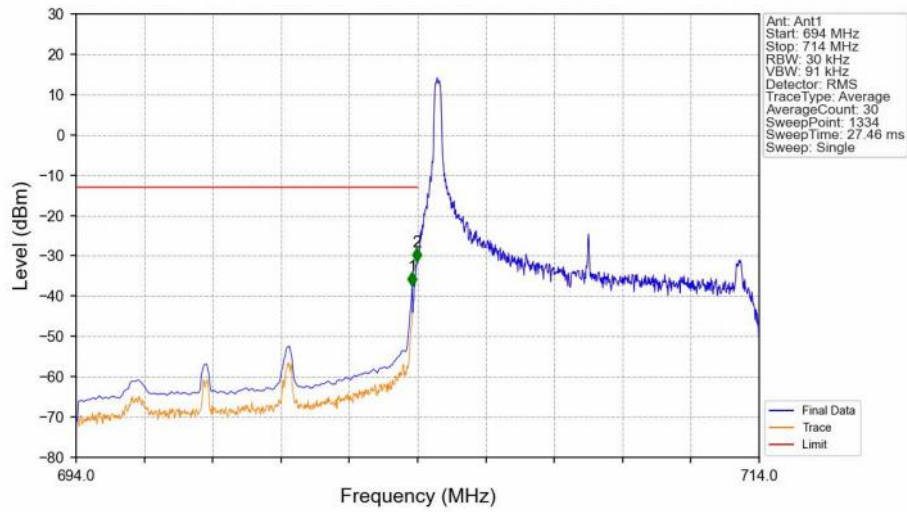
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-29.93	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.73	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

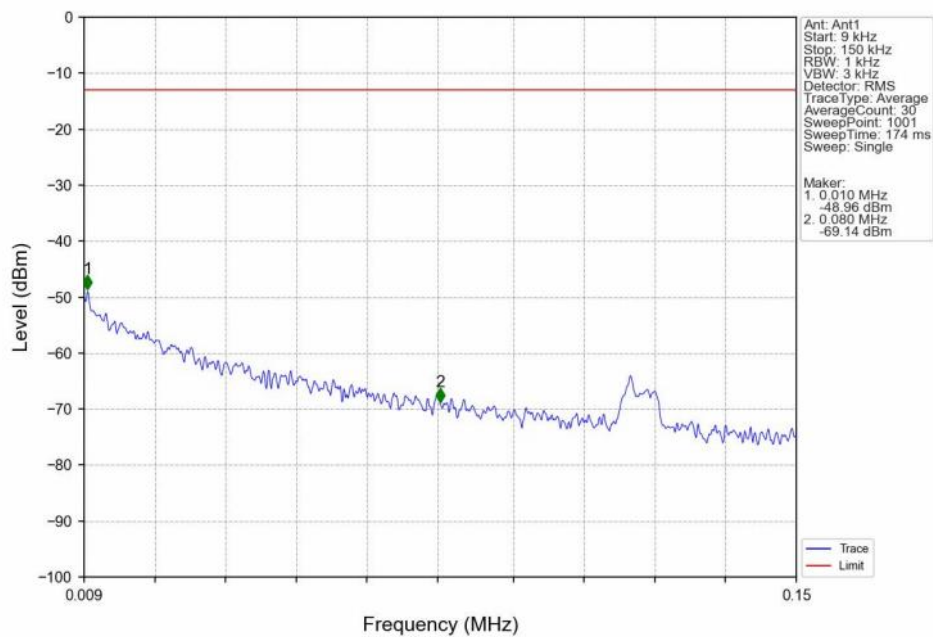


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-41.50	-13	Pass
716.1	726	0.1	CHP	2	716.158	-45.29	-13	Pass

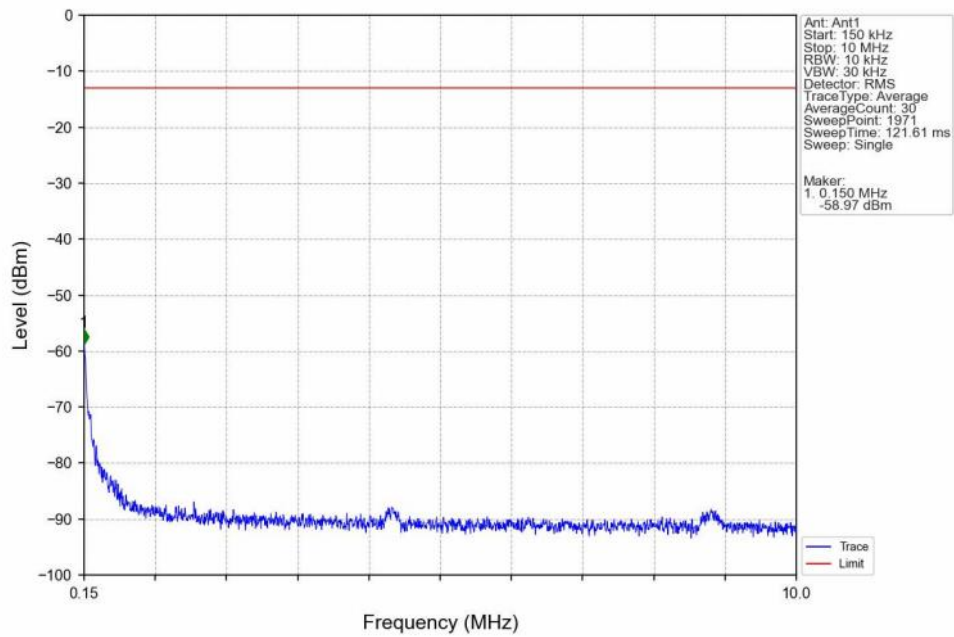
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



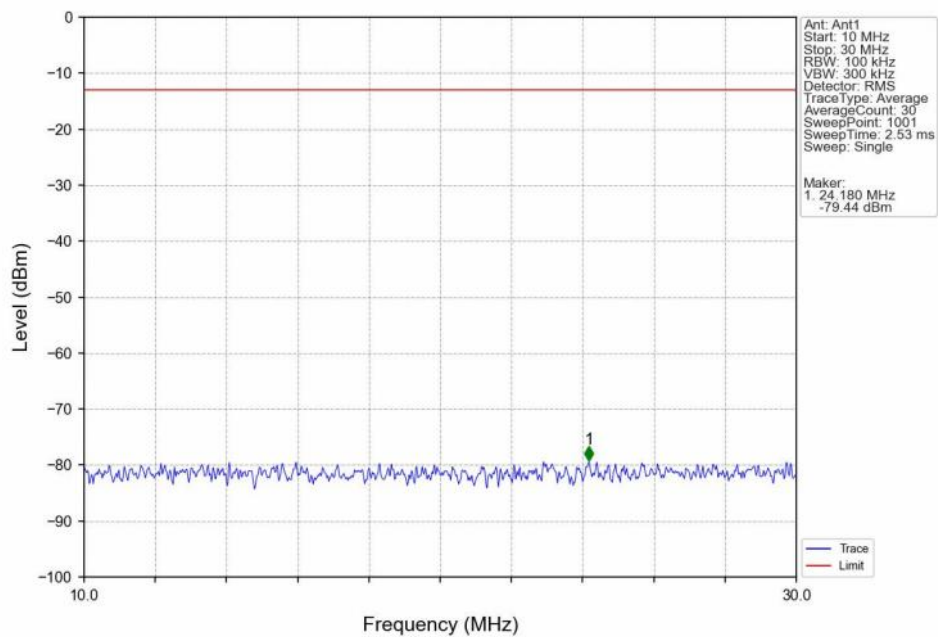
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



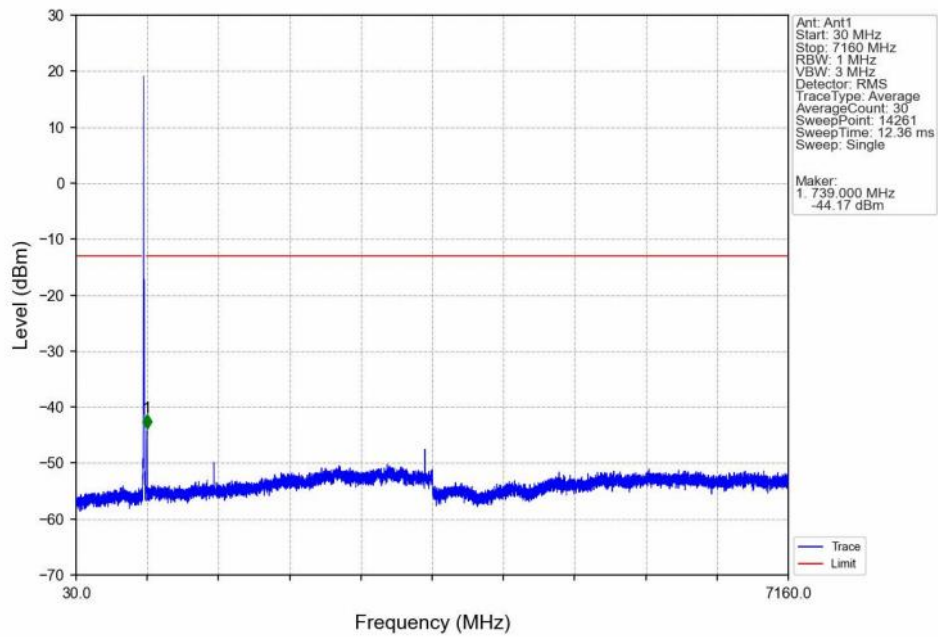
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



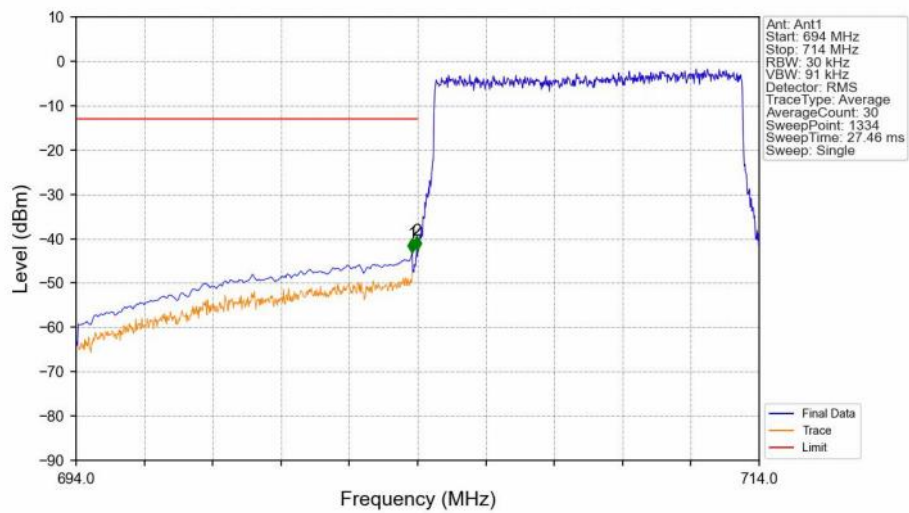
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

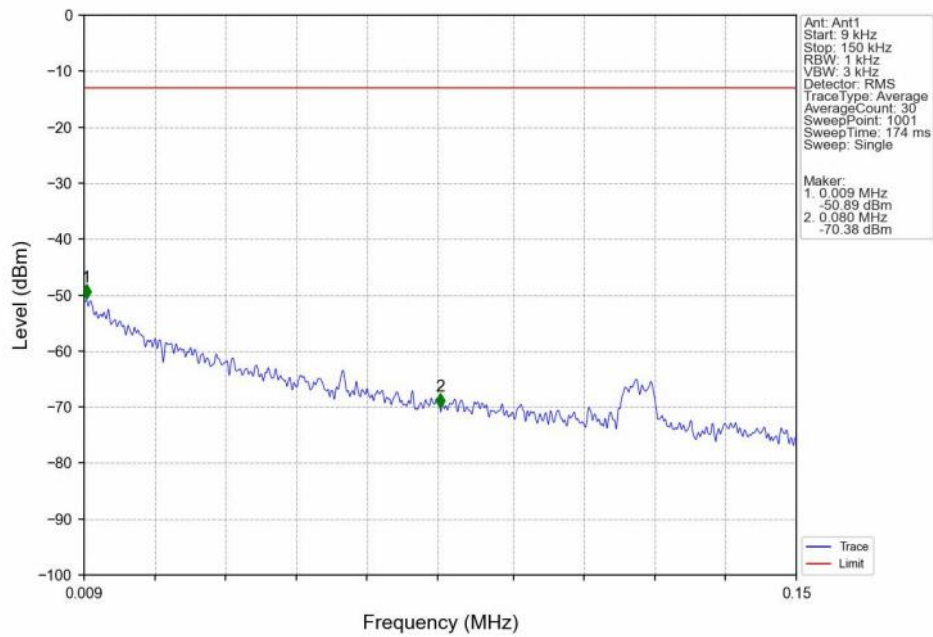


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

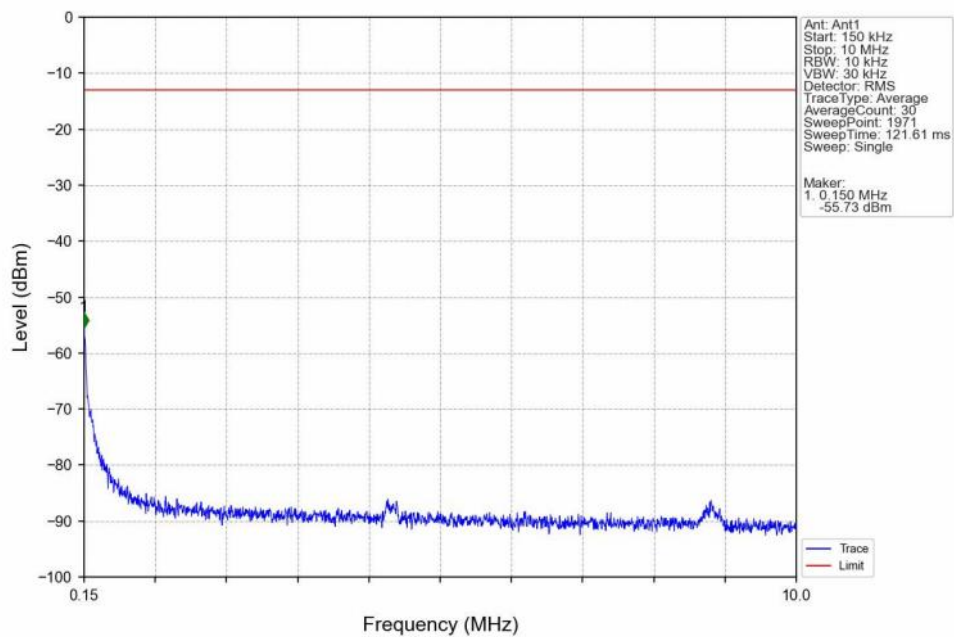


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-43.10	-13	Pass
703.9	704	0.03	/	2	703.977	-42.66	-13	Pass
704	714	0.03	/	/	/	/	/	/

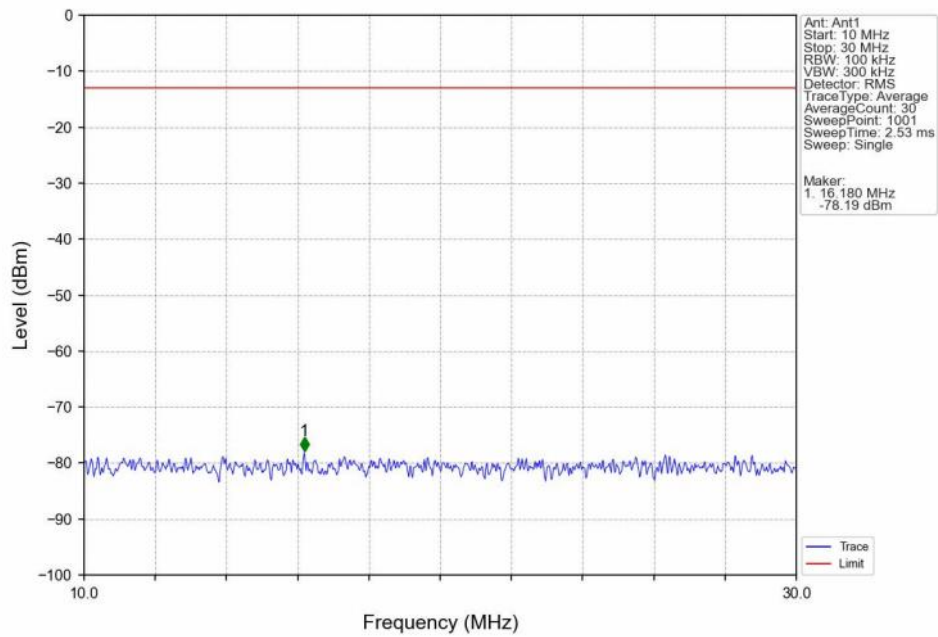
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



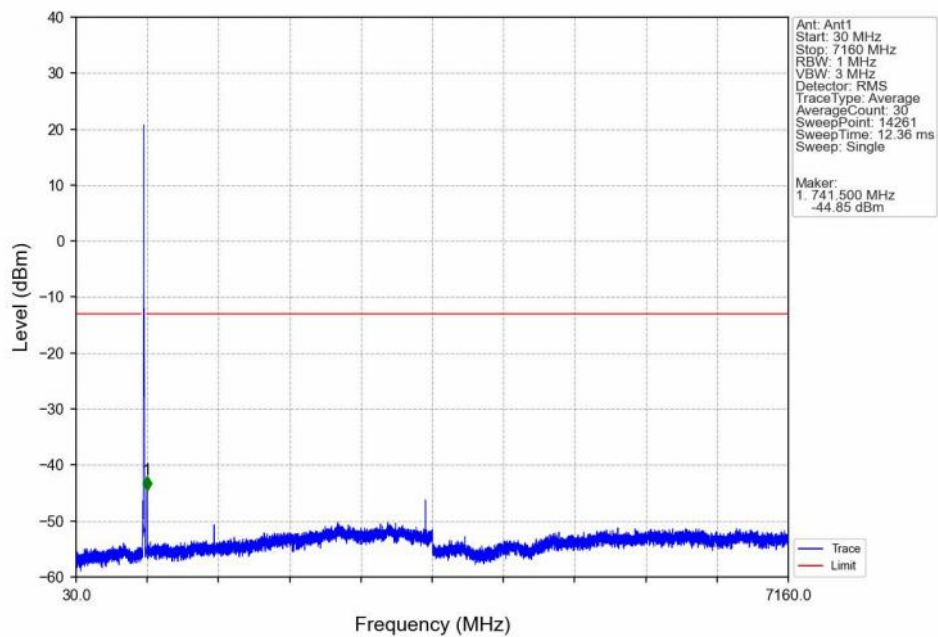
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



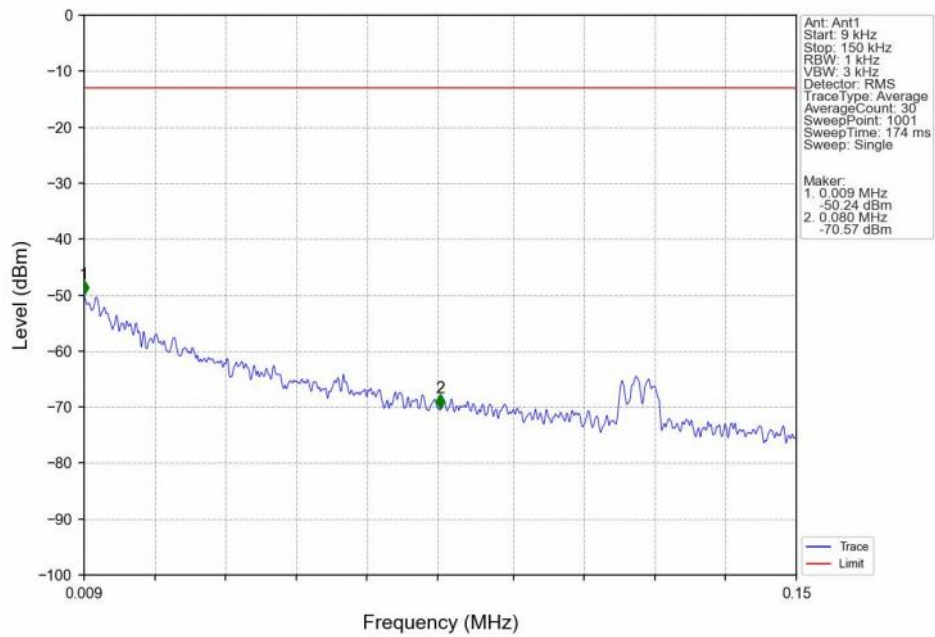
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



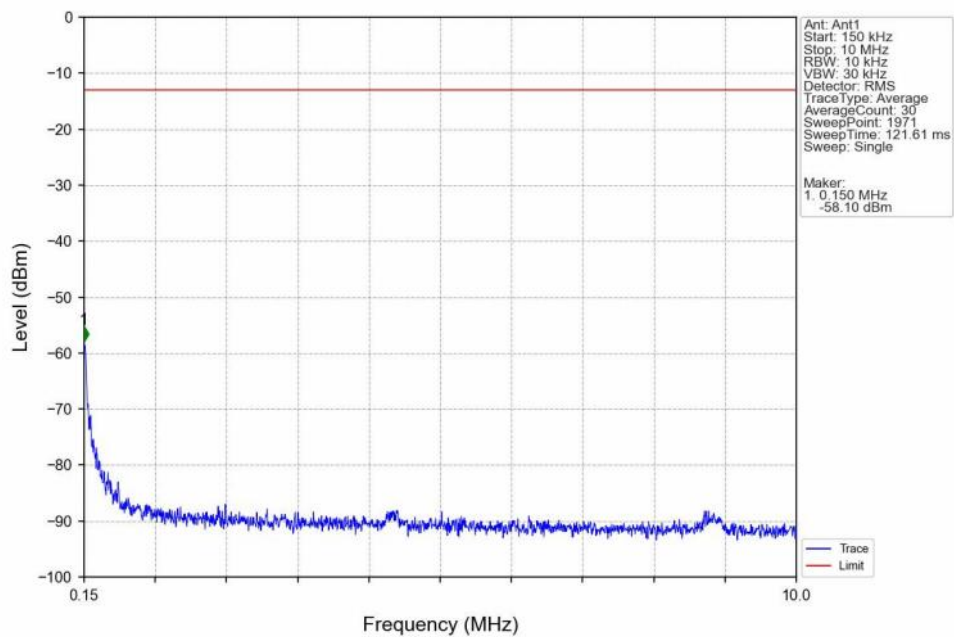
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



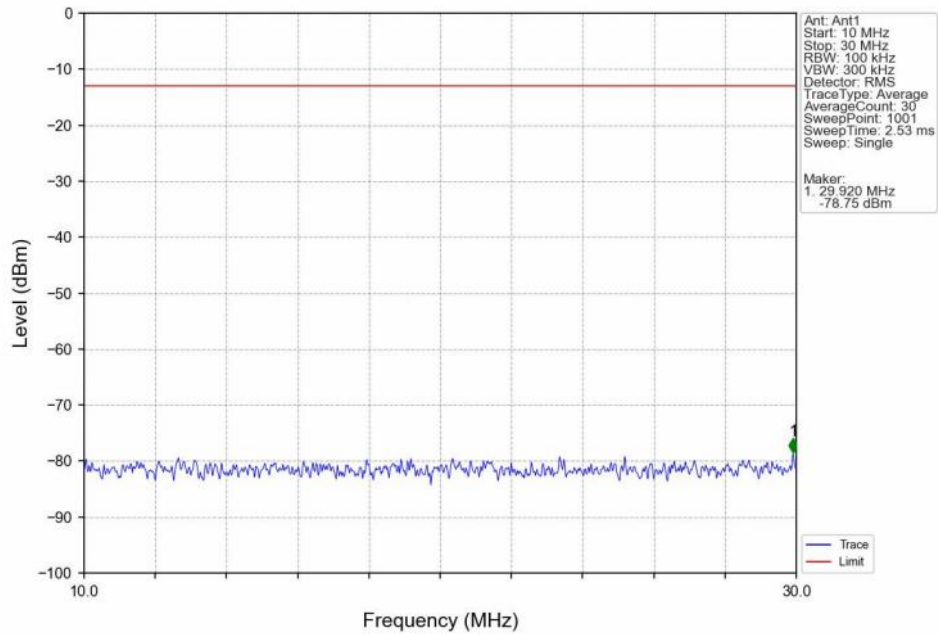
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



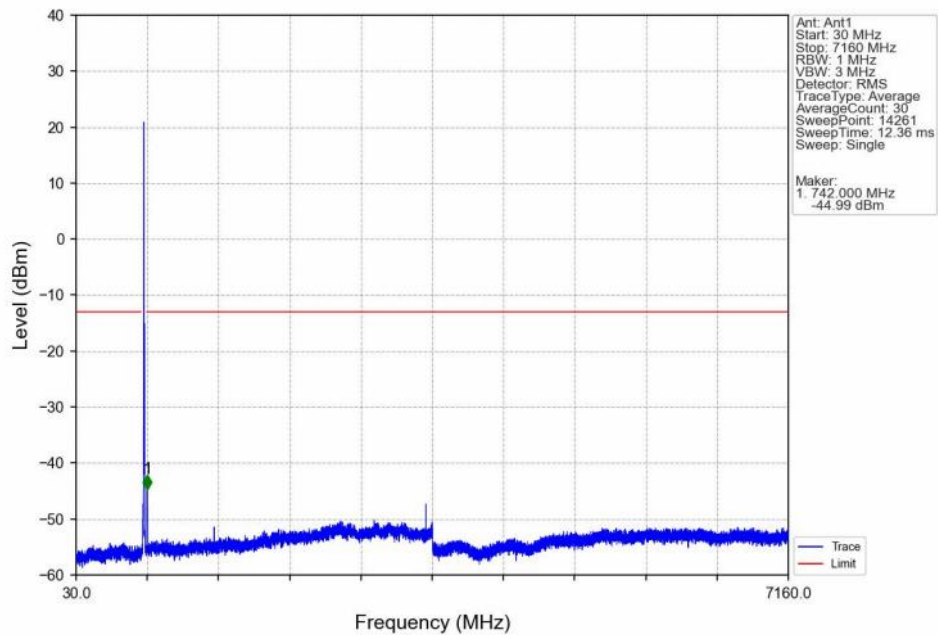
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



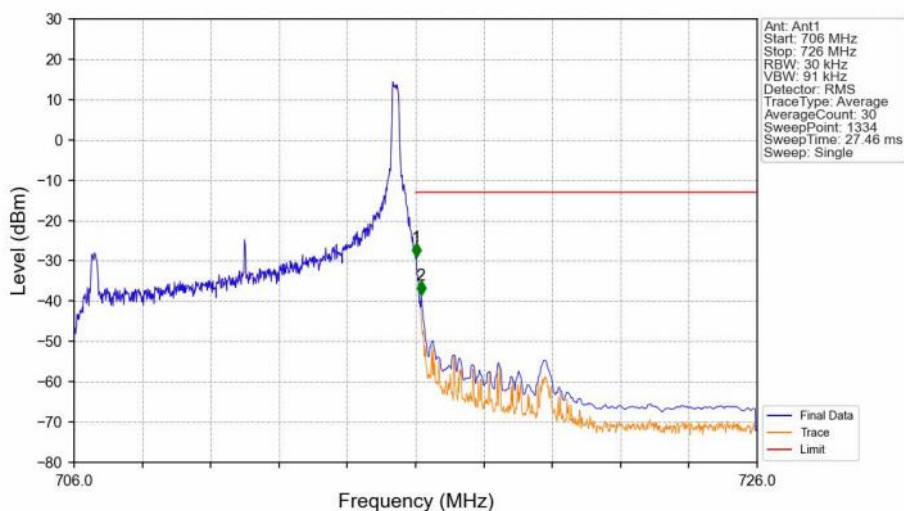
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



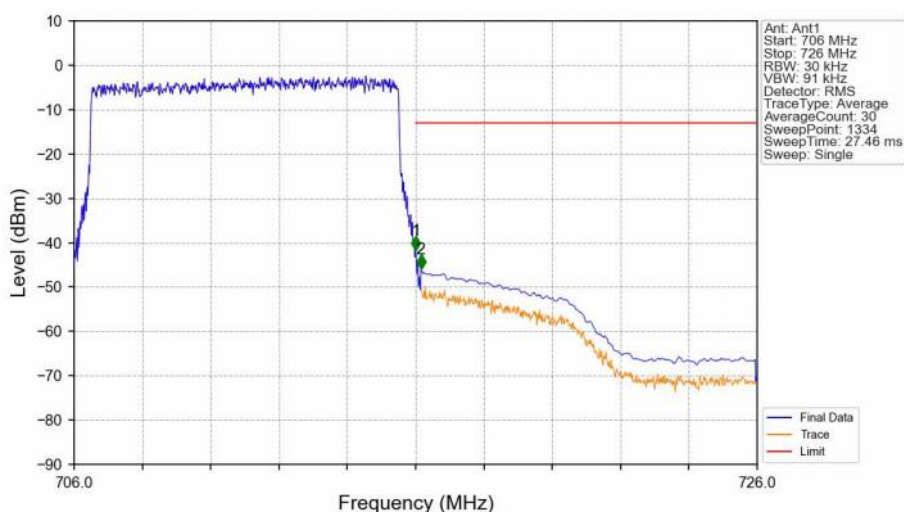
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



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	0.1469	0.0504	ppm	4M56G7D	27H	21.67
17	5	706.5	713.5	0.1327	0.0242	ppm	4M59W7D	27H	21.23
17	10	709	711	0.1507	0.0427	ppm	9M06G7D	27H	21.78
17	10	709	711	0.1556	0.0441	ppm	9M07W7D	27H	21.92

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	0.0577	0.0504	ppm	4M56G7D	27H	17.61
17	5	706.5	713.5	0.0521	0.0242	ppm	4M59W7D	27H	17.17
17	10	709	711	0.0592	0.0427	ppm	9M06G7D	27H	17.72
17	10	709	711	0.0611	0.0441	ppm	9M07W7D	27H	17.86