

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	21.93	-2.15	17.63	<=34.77	Pass
			13	22.11	-2.15	17.81	<=34.77	Pass
			24	22.03	-2.15	17.73	<=34.77	Pass
		12	0	21.09	-2.15	16.79	<=34.77	Pass
			6	21.15	-2.15	16.85	<=34.77	Pass
			13	21.18	-2.15	16.88	<=34.77	Pass
		25	0	21.10	-2.15	16.80	<=34.77	Pass
	710	1	0	21.99	-2.15	17.69	<=34.77	Pass
			13	22.12	-2.15	17.82	<=34.77	Pass
			24	22.05	-2.15	17.75	<=34.77	Pass
		12	0	21.07	-2.15	16.77	<=34.77	Pass
			6	21.20	-2.15	16.90	<=34.77	Pass
			13	21.14	-2.15	16.84	<=34.77	Pass
		25	0	21.11	-2.15	16.81	<=34.77	Pass
	713.5	1	0	21.98	-2.15	17.68	<=34.77	Pass
			13	22.18	-2.15	17.88	<=34.77	Pass
			24	22.14	-2.15	17.84	<=34.77	Pass
		12	0	21.14	-2.15	16.84	<=34.77	Pass
			6	21.24	-2.15	16.94	<=34.77	Pass
			13	21.11	-2.15	16.81	<=34.77	Pass
		25	0	21.16	-2.15	16.86	<=34.77	Pass
16QAM	706.5	1	0	20.79	-2.15	16.49	<=34.77	Pass
			13	20.97	-2.15	16.67	<=34.77	Pass
			24	20.92	-2.15	16.62	<=34.77	Pass
		12	0	20.01	-2.15	15.71	<=34.77	Pass
			6	20.11	-2.15	15.81	<=34.77	Pass
			13	20.12	-2.15	15.82	<=34.77	Pass
		25	0	20.10	-2.15	15.80	<=34.77	Pass
	710	1	0	21.14	-2.15	16.84	<=34.77	Pass
			13	21.26	-2.15	16.96	<=34.77	Pass
			24	21.23	-2.15	16.93	<=34.77	Pass
		12	0	19.99	-2.15	15.69	<=34.77	Pass
			6	20.15	-2.15	15.85	<=34.77	Pass
			13	20.09	-2.15	15.79	<=34.77	Pass
		25	0	20.13	-2.15	15.83	<=34.77	Pass
	713.5	1	0	21.27	-2.15	16.97	<=34.77	Pass
			13	21.47	-2.15	17.17	<=34.77	Pass
			24	21.43	-2.15	17.13	<=34.77	Pass
		12	0	20.23	-2.15	15.93	<=34.77	Pass
			6	20.25	-2.15	15.95	<=34.77	Pass
			13	20.09	-2.15	15.79	<=34.77	Pass
		25	0	20.19	-2.15	15.89	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B17_10MHz_ERP

Band: 17 / Bandwidth: 10MHz / NTNV								
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Version: 1/00

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	21.94	-2.15	17.64	<=34.77	Pass
			25	22.27	-2.15	17.97	<=34.77	Pass
			49	22.17	-2.15	17.87	<=34.77	Pass
		25	0	21.06	-2.15	16.76	<=34.77	Pass
			13	21.11	-2.15	16.81	<=34.77	Pass
			25	21.12	-2.15	16.82	<=34.77	Pass
		50	0	21.09	-2.15	16.79	<=34.77	Pass
	710	1	0	21.88	-2.15	17.58	<=34.77	Pass
			25	22.20	-2.15	17.90	<=34.77	Pass
			49	22.13	-2.15	17.83	<=34.77	Pass
		25	0	21.03	-2.15	16.73	<=34.77	Pass
			13	21.13	-2.15	16.83	<=34.77	Pass
			25	21.14	-2.15	16.84	<=34.77	Pass
		50	0	21.10	-2.15	16.80	<=34.77	Pass
	711	1	0	21.90	-2.15	17.60	<=34.77	Pass
			25	22.23	-2.15	17.93	<=34.77	Pass
			49	22.19	-2.15	17.89	<=34.77	Pass
		25	0	21.06	-2.15	16.76	<=34.77	Pass
			13	21.22	-2.15	16.92	<=34.77	Pass
			25	21.12	-2.15	16.82	<=34.77	Pass
		50	0	21.10	-2.15	16.80	<=34.77	Pass
16QAM	709	1	0	20.99	-2.15	16.69	<=34.77	Pass
			25	21.28	-2.15	16.98	<=34.77	Pass
			49	21.24	-2.15	16.94	<=34.77	Pass
		25	0	20.13	-2.15	15.83	<=34.77	Pass
			13	20.21	-2.15	15.91	<=34.77	Pass
			25	20.20	-2.15	15.90	<=34.77	Pass
		50	0	20.10	-2.15	15.80	<=34.77	Pass
	710	1	0	21.09	-2.15	16.79	<=34.77	Pass
			25	21.41	-2.15	17.11	<=34.77	Pass
			49	21.31	-2.15	17.01	<=34.77	Pass
		25	0	20.05	-2.15	15.75	<=34.77	Pass
			13	20.18	-2.15	15.88	<=34.77	Pass
			25	20.16	-2.15	15.86	<=34.77	Pass
		50	0	20.10	-2.15	15.80	<=34.77	Pass
	711	1	0	21.56	-2.15	17.26	<=34.77	Pass
			25	21.77	-2.15	17.47	<=34.77	Pass
			49	21.74	-2.15	17.44	<=34.77	Pass
		25	0	20.11	-2.15	15.81	<=34.77	Pass
			13	20.26	-2.15	15.96	<=34.77	Pass
			25	20.20	-2.15	15.90	<=34.77	Pass
		50	0	20.07	-2.15	15.77	<=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	-8.268	-0.0117	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
					4.43	-8.125	-0.0115	-2.5 to 2.5	Pass

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Version: 1/00

16QAM	710	25	0	-30	3.85	-8.297	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-7.954	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-8.454	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-9.270	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-9.198	-0.0130	-2.5 to 2.5	Pass
				50	3.85	-9.484	-0.0134	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.495	-0.0091	-2.5 to 2.5	Pass
					3.85	-7.539	-0.0106	-2.5 to 2.5	Pass
					4.43	-5.622	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-10.614	-0.0149	-2.5 to 2.5	Pass
				-20	3.85	-6.709	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-7.095	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-8.068	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-7.553	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-5.121	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0074	-2.5 to 2.5	Pass
	706.5	25	0	20	3.27	-6.995	-0.0098	-2.5 to 2.5	Pass
					3.85	-6.809	-0.0095	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-10.486	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-8.354	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-4.563	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-11.115	-0.0156	-2.5 to 2.5	Pass
				30	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-5.622	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-8.125	-0.0114	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-6.781	-0.0096	-2.5 to 2.5	Pass
					3.85	-10.200	-0.0144	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-6.309	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-9.656	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-6.237	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-8.283	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-4.849	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-9.241	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-8.554	-0.0121	-2.5 to 2.5	Pass
				50	3.85	-7.753	-0.0110	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.423	-0.0090	-2.5 to 2.5	Pass
					3.85	-7.453	-0.0105	-2.5 to 2.5	Pass
					4.43	-8.655	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-8.397	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-10.114	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-4.992	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-7.396	-0.0104	-2.5 to 2.5	Pass
					3.85	-7.095	-0.0099	-2.5 to 2.5	Pass
					4.43	-6.251	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-9.255	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0019	-2.5 to 2.5	Pass

				10	3.85	-6.537	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0106	-2.5 to 2.5	Pass
				50	3.85	-6.437	-0.0090	-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	-8.841	-0.0125	-2.5 to 2.5	Pass
					3.85	-7.982	-0.0113	-2.5 to 2.5	Pass
					4.43	-6.838	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-4.892	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-4.506	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-5.064	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-7.825	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-8.197	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-7.253	-0.0102	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-8.512	-0.0120	-2.5 to 2.5	Pass
					3.85	-4.220	-0.0059	-2.5 to 2.5	Pass
					4.43	-8.869	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-7.281	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-6.323	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-6.080	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-3.662	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-7.367	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-7.896	-0.0111	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-4.778	-0.0067	-2.5 to 2.5	Pass
					3.85	-7.095	-0.0100	-2.5 to 2.5	Pass
					4.43	-8.054	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-8.740	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-5.836	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-9.427	-0.0133	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-8.283	-0.0117	-2.5 to 2.5	Pass
					3.85	-10.872	-0.0153	-2.5 to 2.5	Pass
					4.43	-4.892	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-10.157	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-10.128	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-6.137	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-7.296	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-3.991	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-7.453	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-7.482	-0.0106	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-8.869	-0.0125	-2.5 to 2.5	Pass
					3.85	-5.894	-0.0083	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-6.652	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-11.101	-0.0156	-2.5 to 2.5	Pass

				-10	3.85	-6.609	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-6.208	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-3.576	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-6.781	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.908	-0.0083	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0087	-2.5 to 2.5	Pass
					4.43	-5.322	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-4.950	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-4.635	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-5.350	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

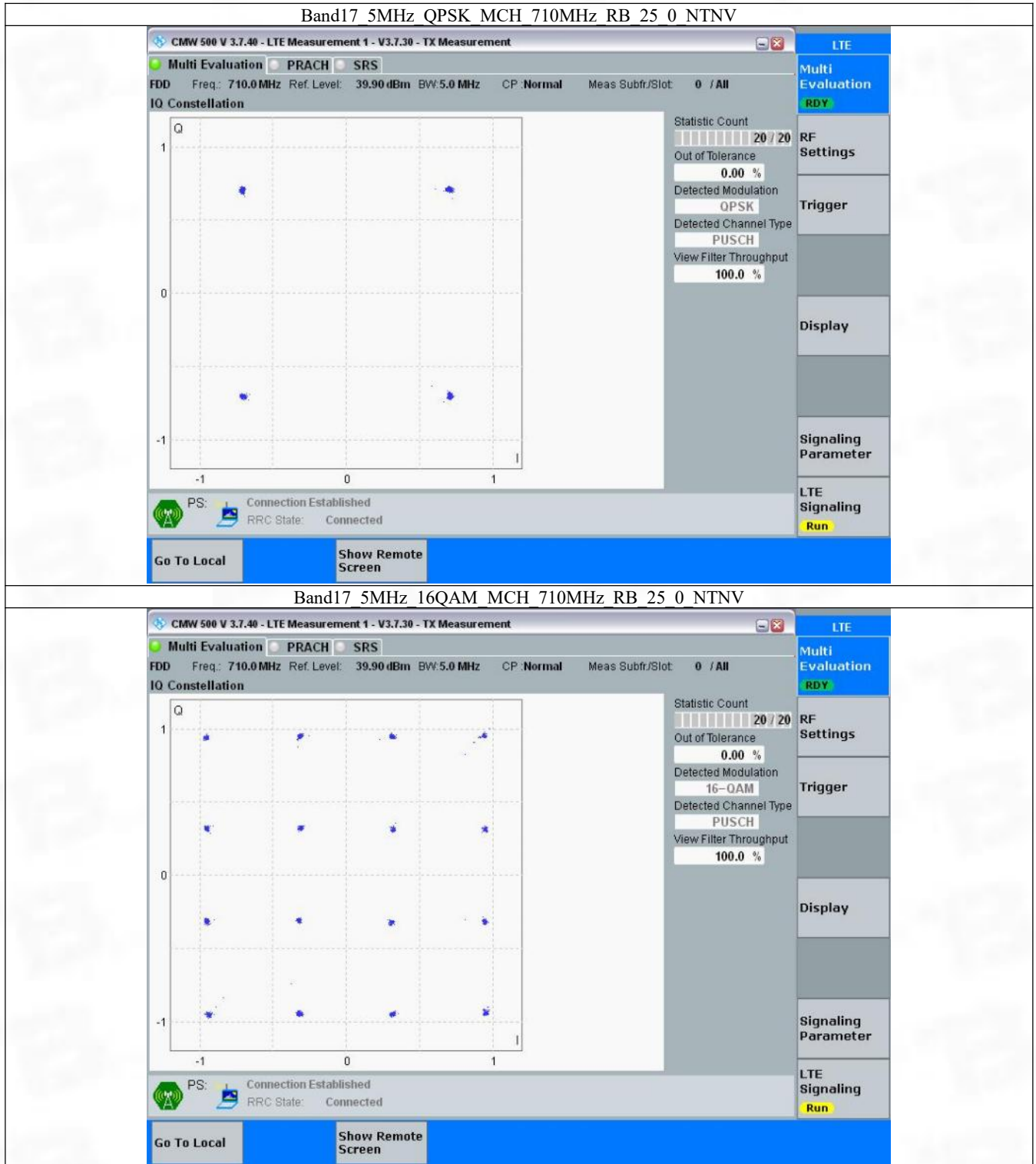
Band: 17 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	710	25	0	Refer To Test Graph	
16QAM	710	25	0	Refer To Test Graph	
					Verdict
					Pass
					Pass

3.1.2 B17_10MHz

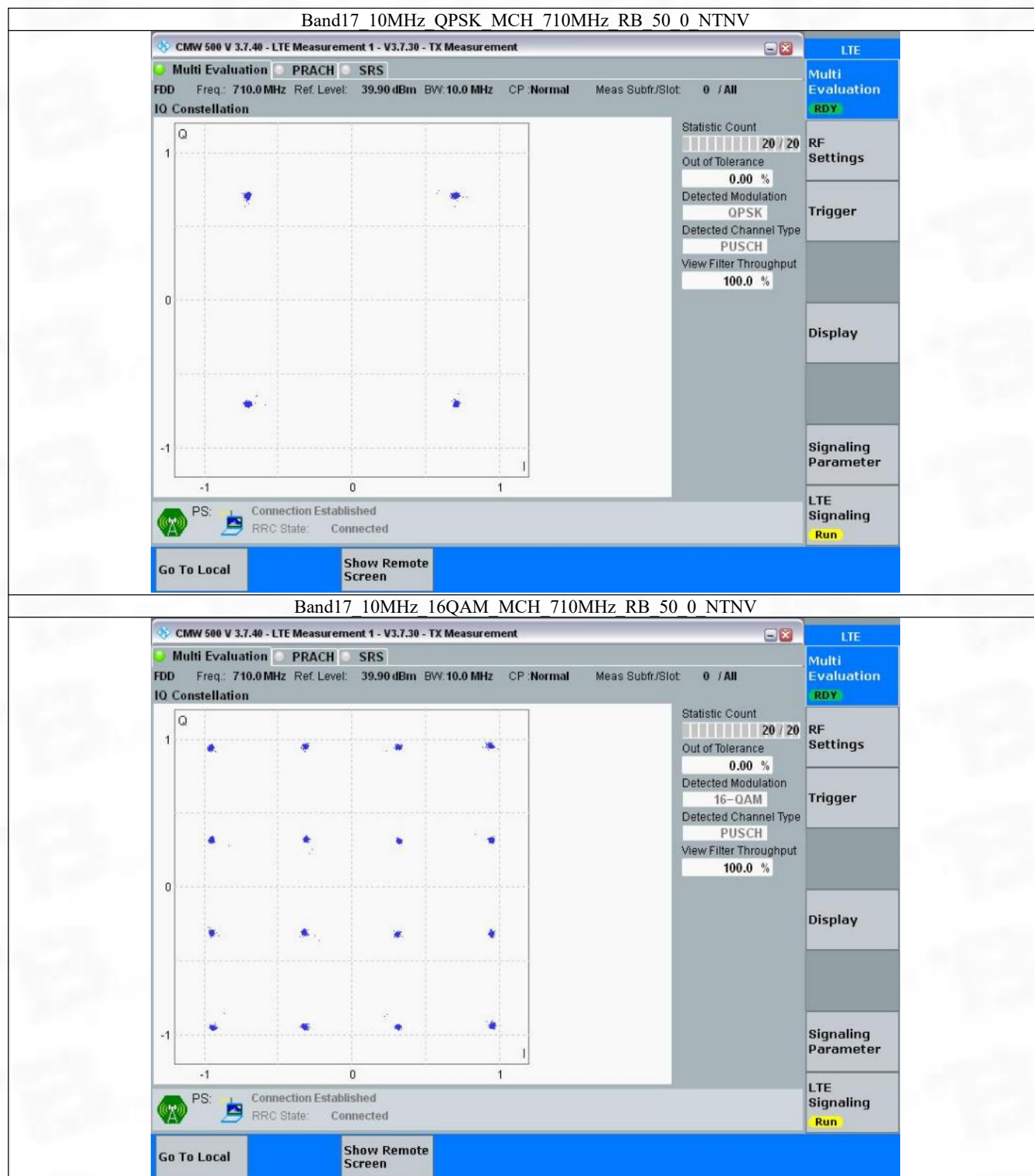
Band: 17 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	710	50	0	Refer To Test Graph	
16QAM	710	50	0	Refer To Test Graph	
					Verdict
					Pass
					Pass

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

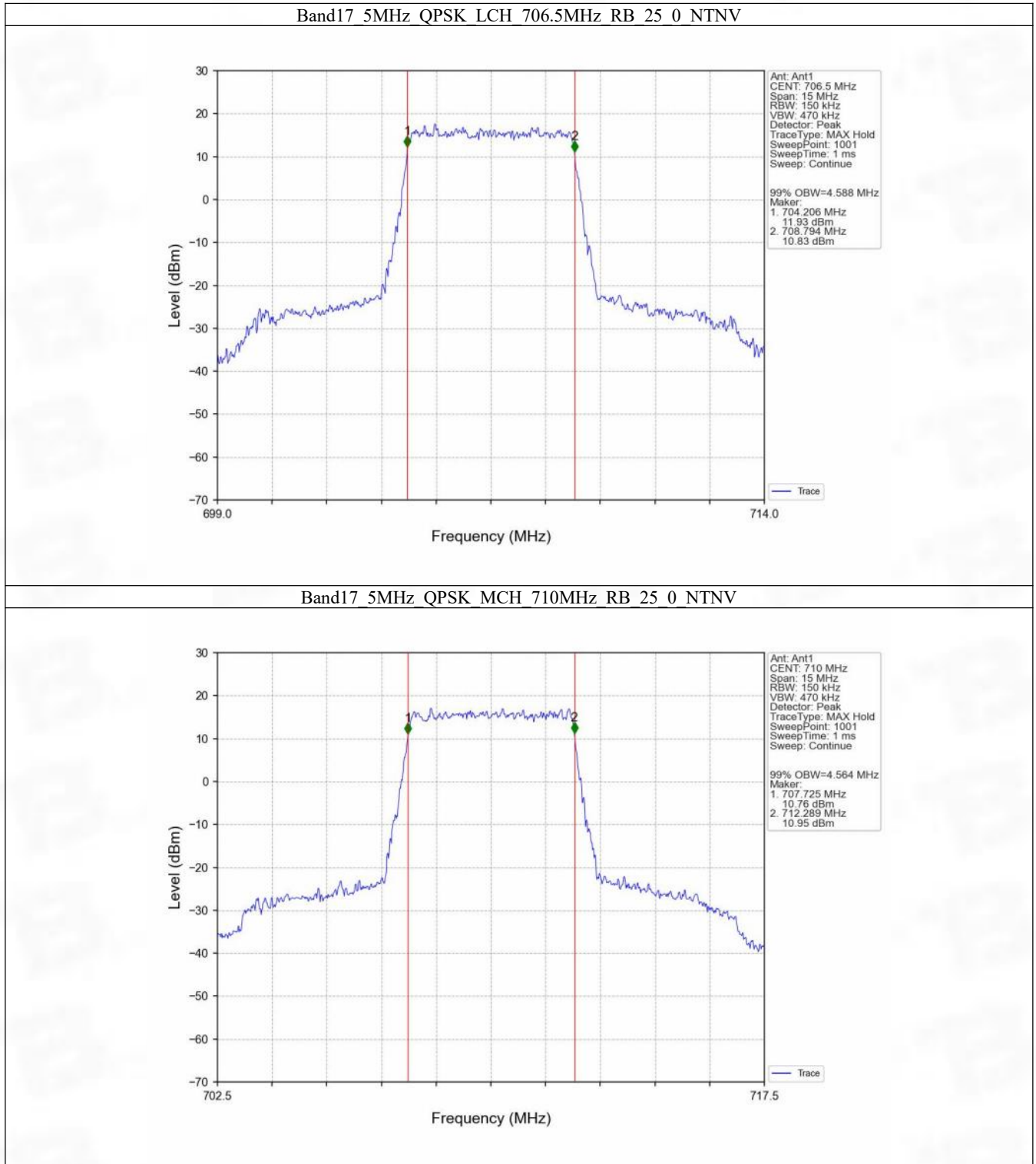
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.588	/	Pass
		710	25	0	4.564	/	Pass
		713.5	25	0	4.553	/	Pass
	16QAM	706.5	25	0	4.566	/	Pass
		710	25	0	4.571	/	Pass
		713.5	25	0	4.569	/	Pass
10	QPSK	709	50	0	9.098	/	Pass
		710	50	0	9.063	/	Pass
		711	50	0	9.068	/	Pass
	16QAM	709	50	0	9.074	/	Pass
		710	50	0	9.047	/	Pass
		711	50	0	9.101	/	Pass

4.1.2 Band17_XDB

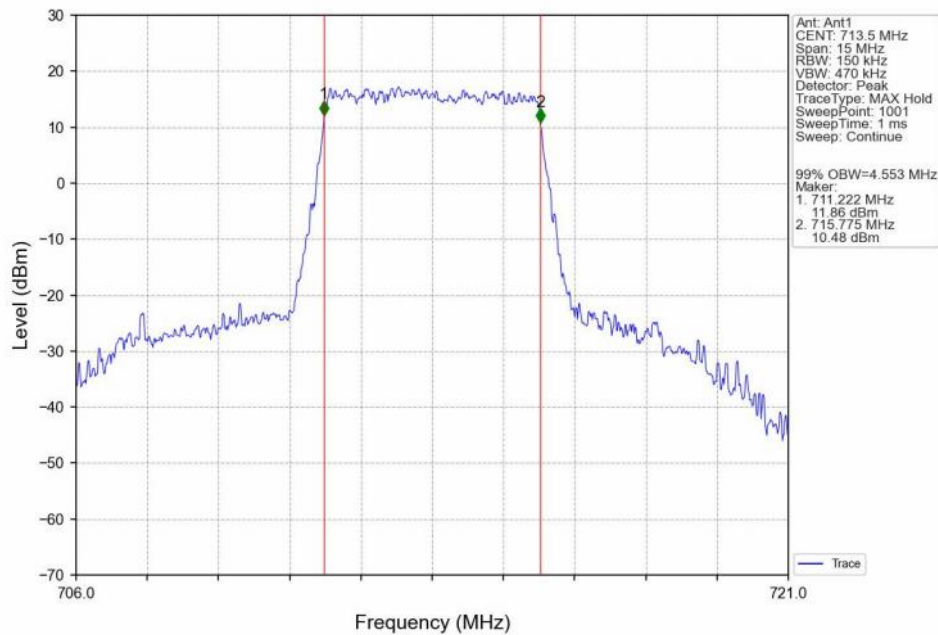
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.241	/	Pass
		710	25	0	5.228	/	Pass
		713.5	25	0	5.216	/	Pass
	16QAM	706.5	25	0	5.237	/	Pass
		710	25	0	5.319	/	Pass
		713.5	25	0	5.306	/	Pass
10	QPSK	709	50	0	10.344	/	Pass
		710	50	0	10.201	/	Pass
		711	50	0	10.220	/	Pass
	16QAM	709	50	0	10.282	/	Pass
		710	50	0	10.184	/	Pass
		711	50	0	10.232	/	Pass

4.2 Test Graph

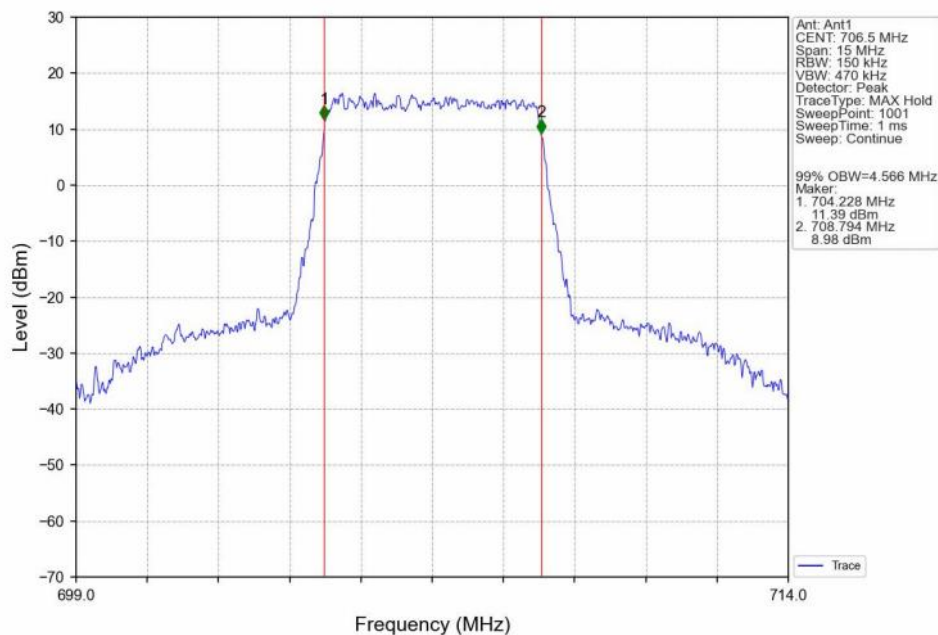
4.2.1 Band17_OBW



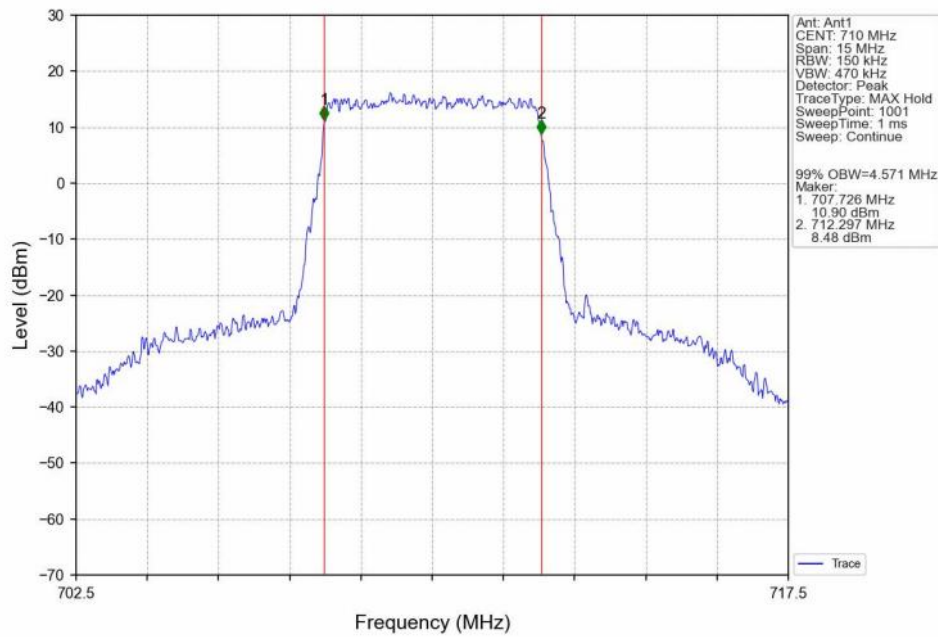
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



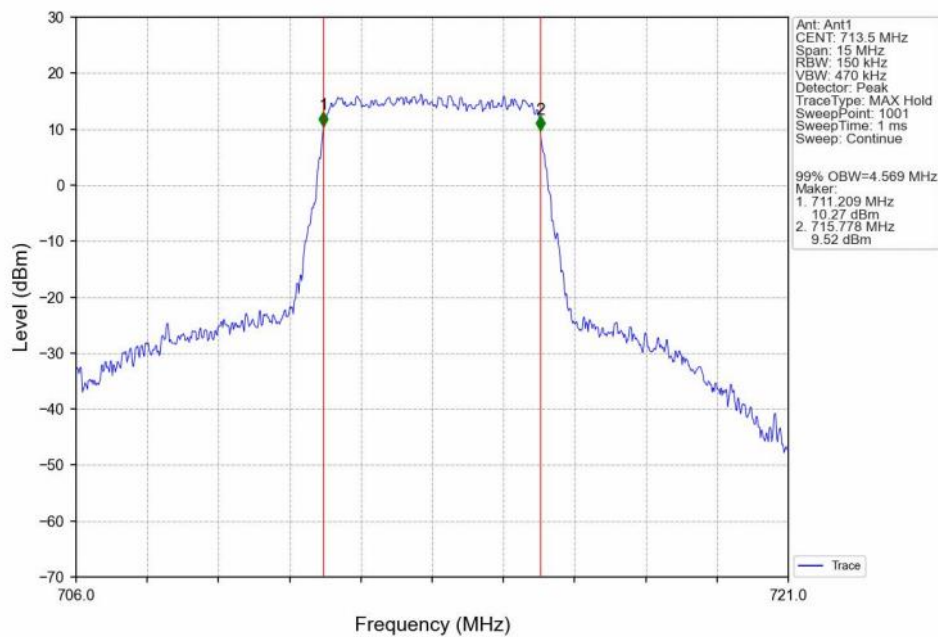
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



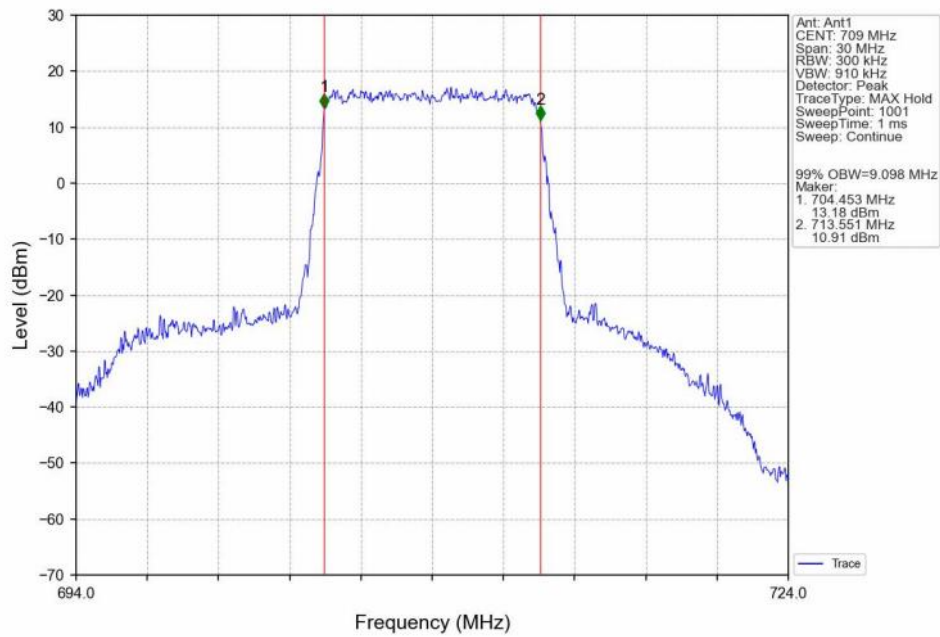
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



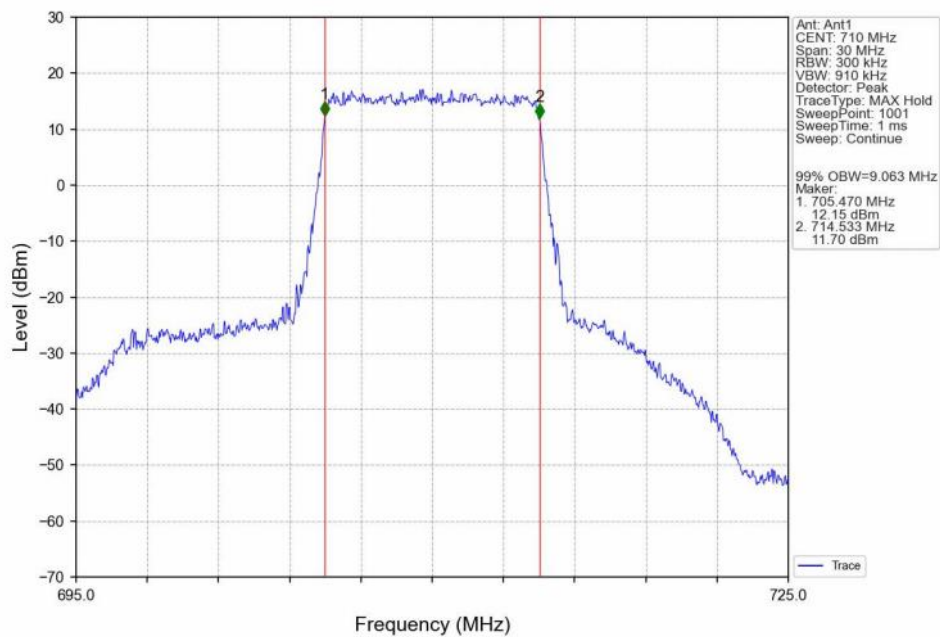
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



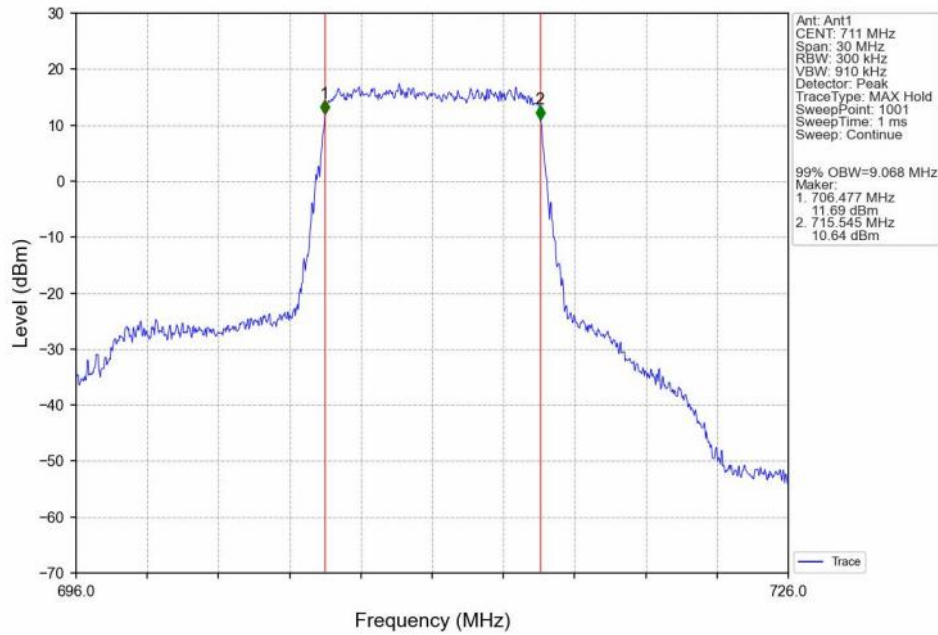
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



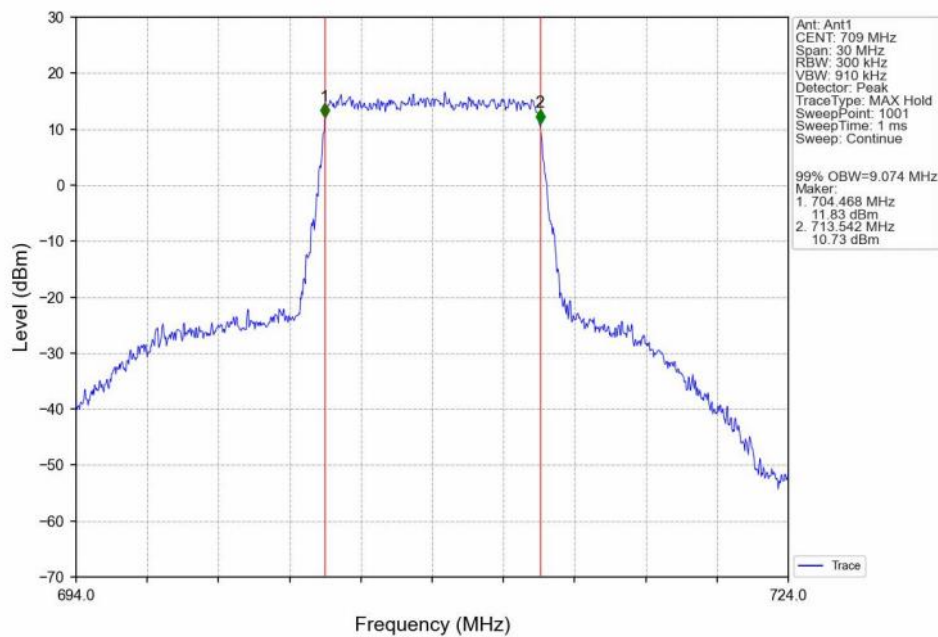
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



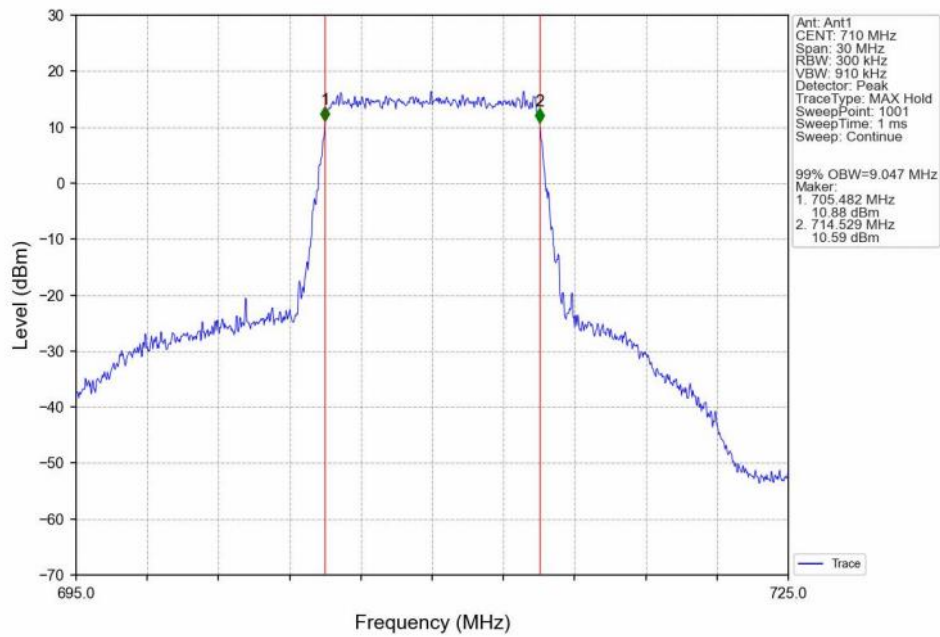
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



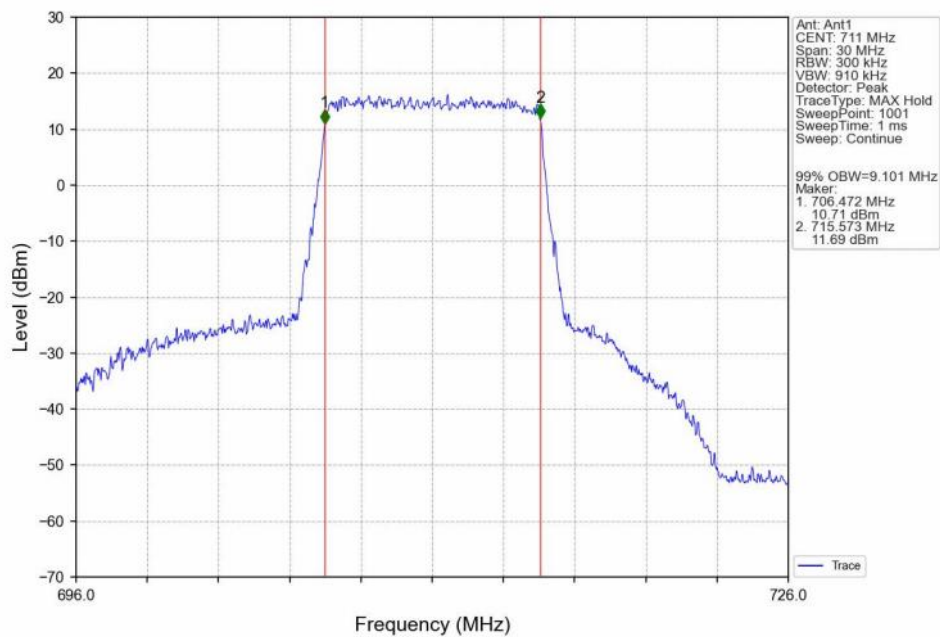
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



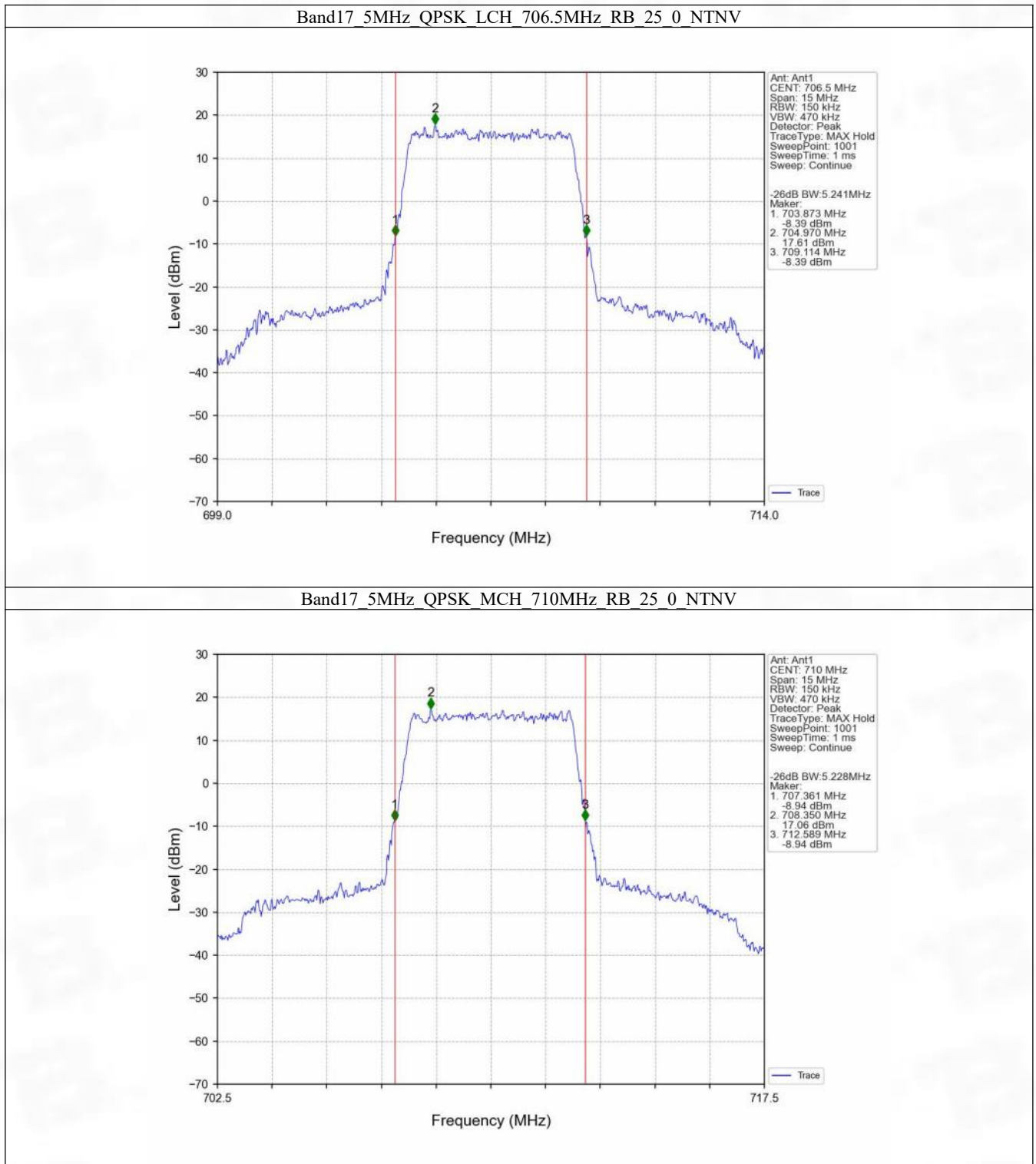
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



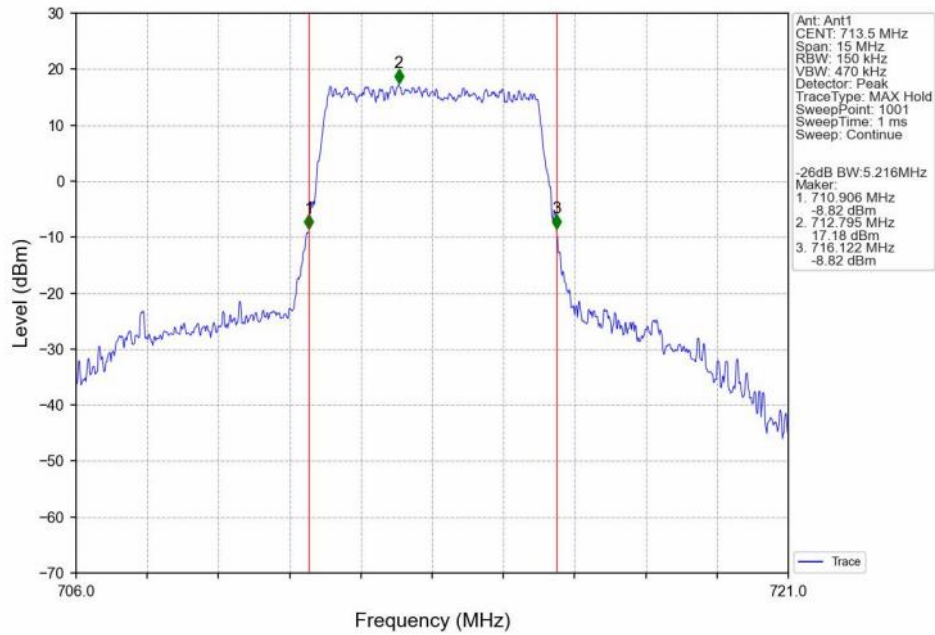
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



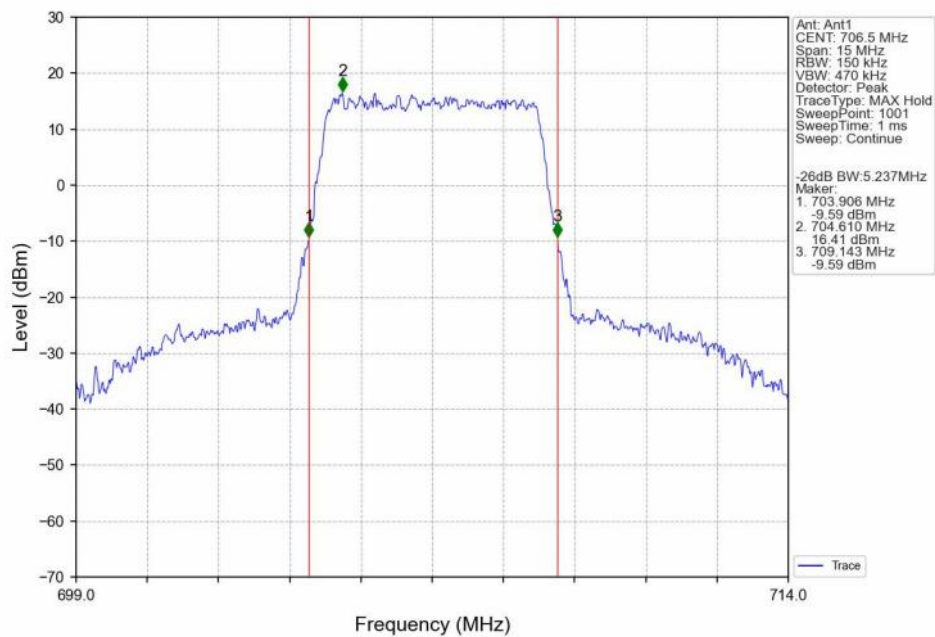
4.2.2 Band17_XDB



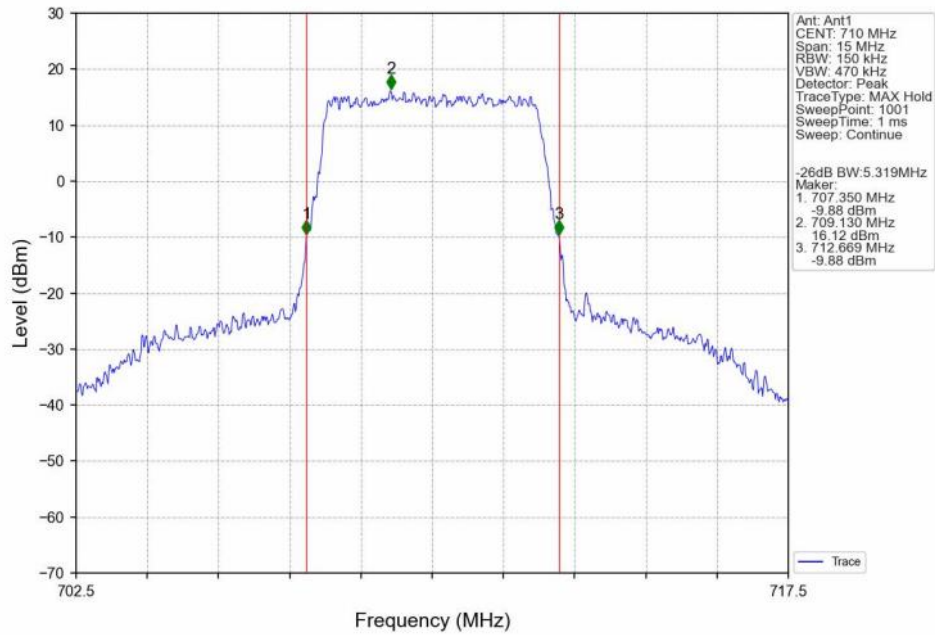
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



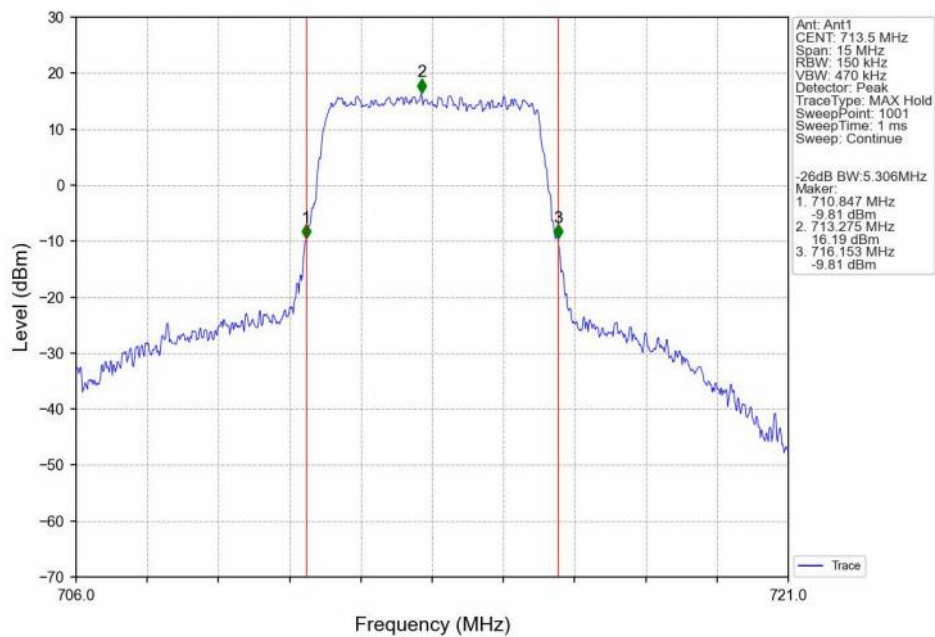
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



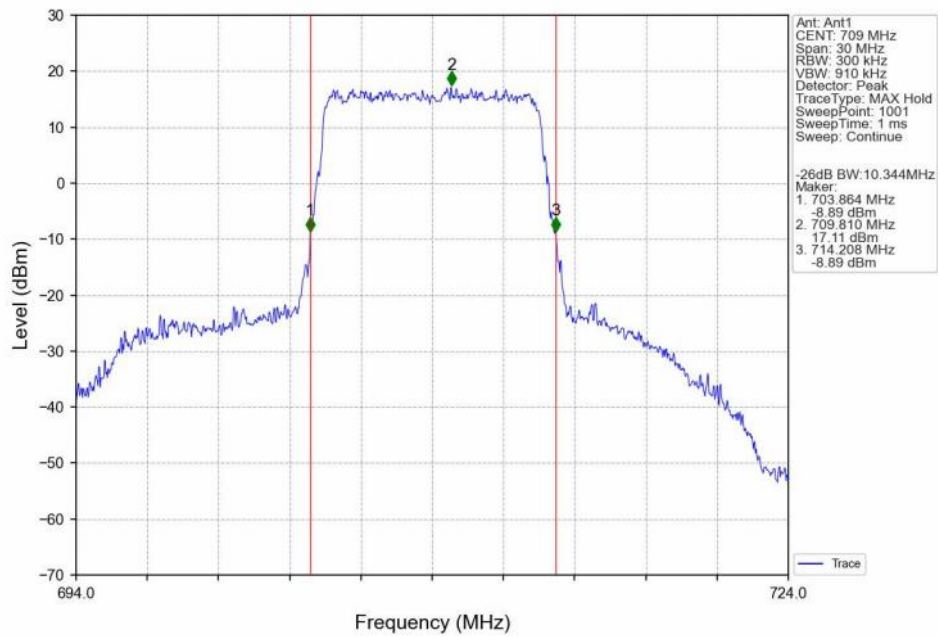
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



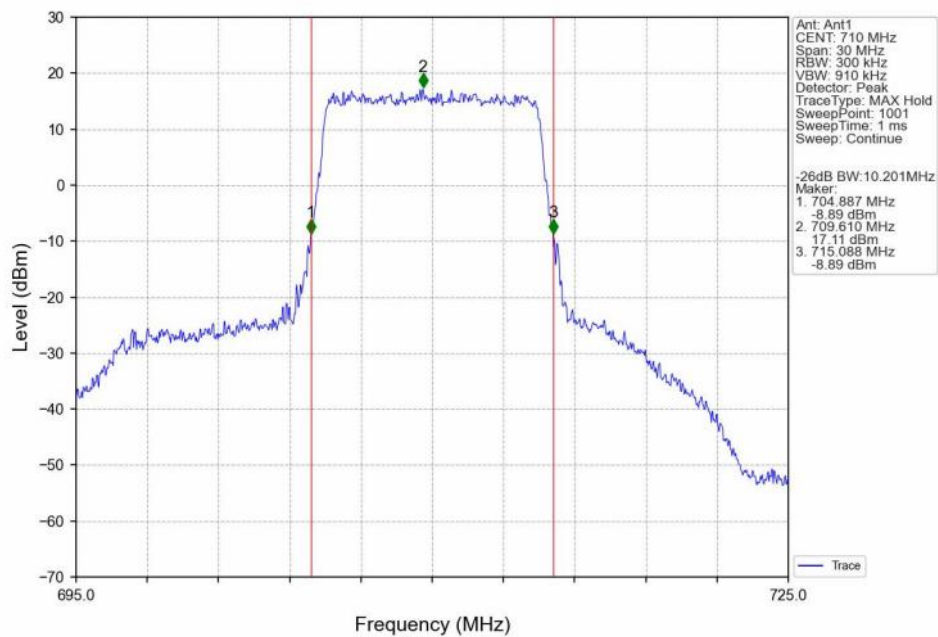
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



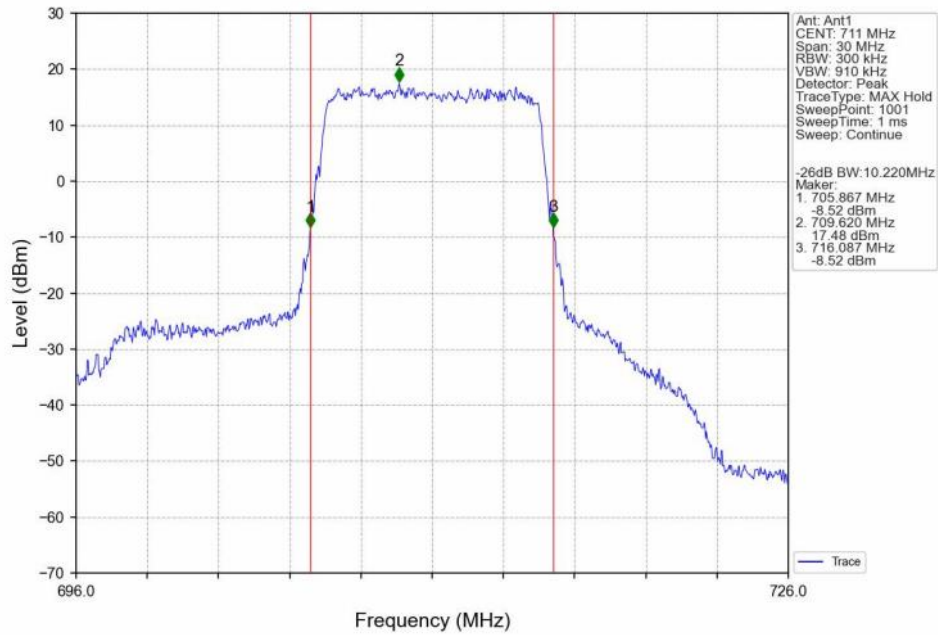
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



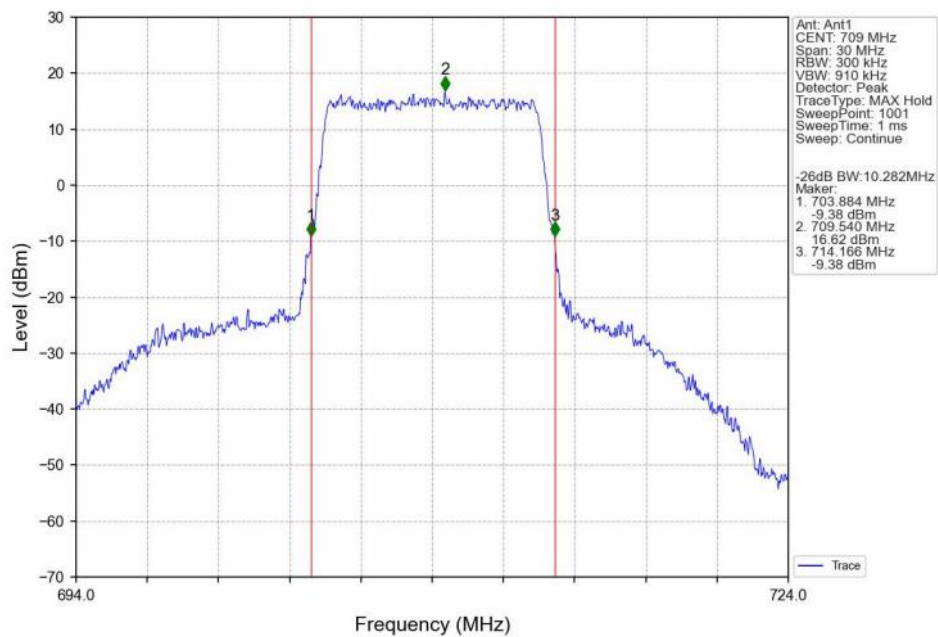
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



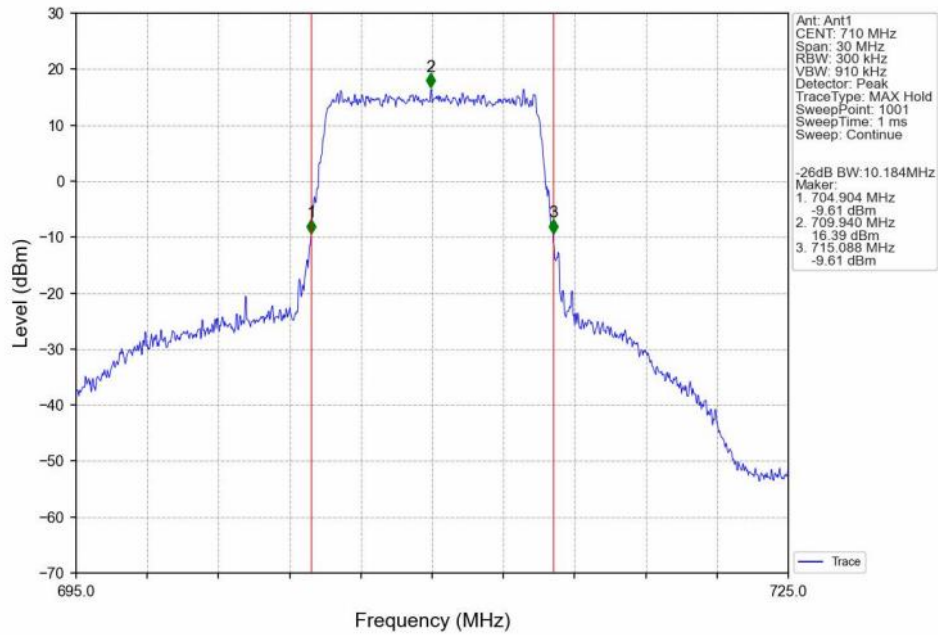
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



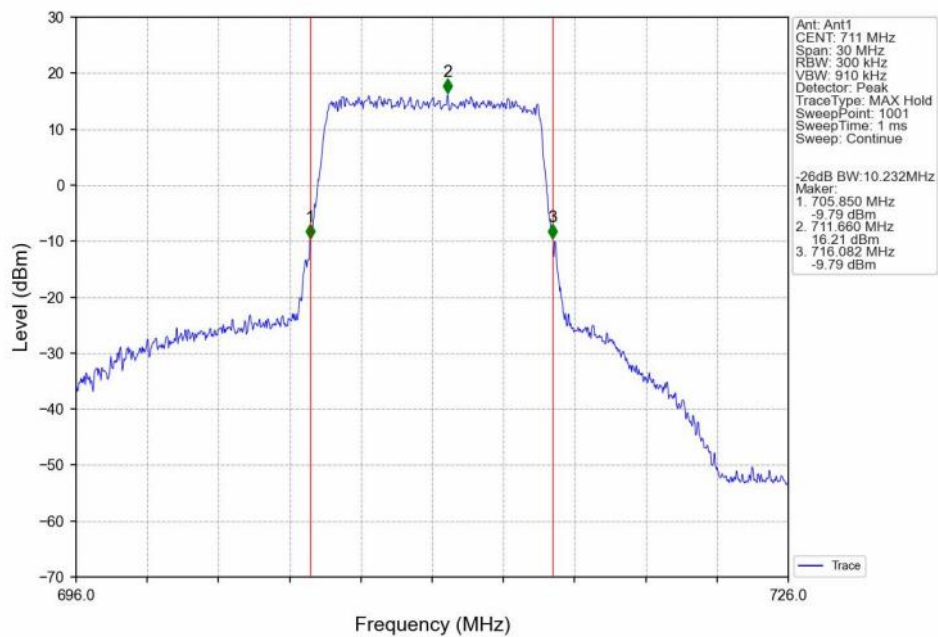
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



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

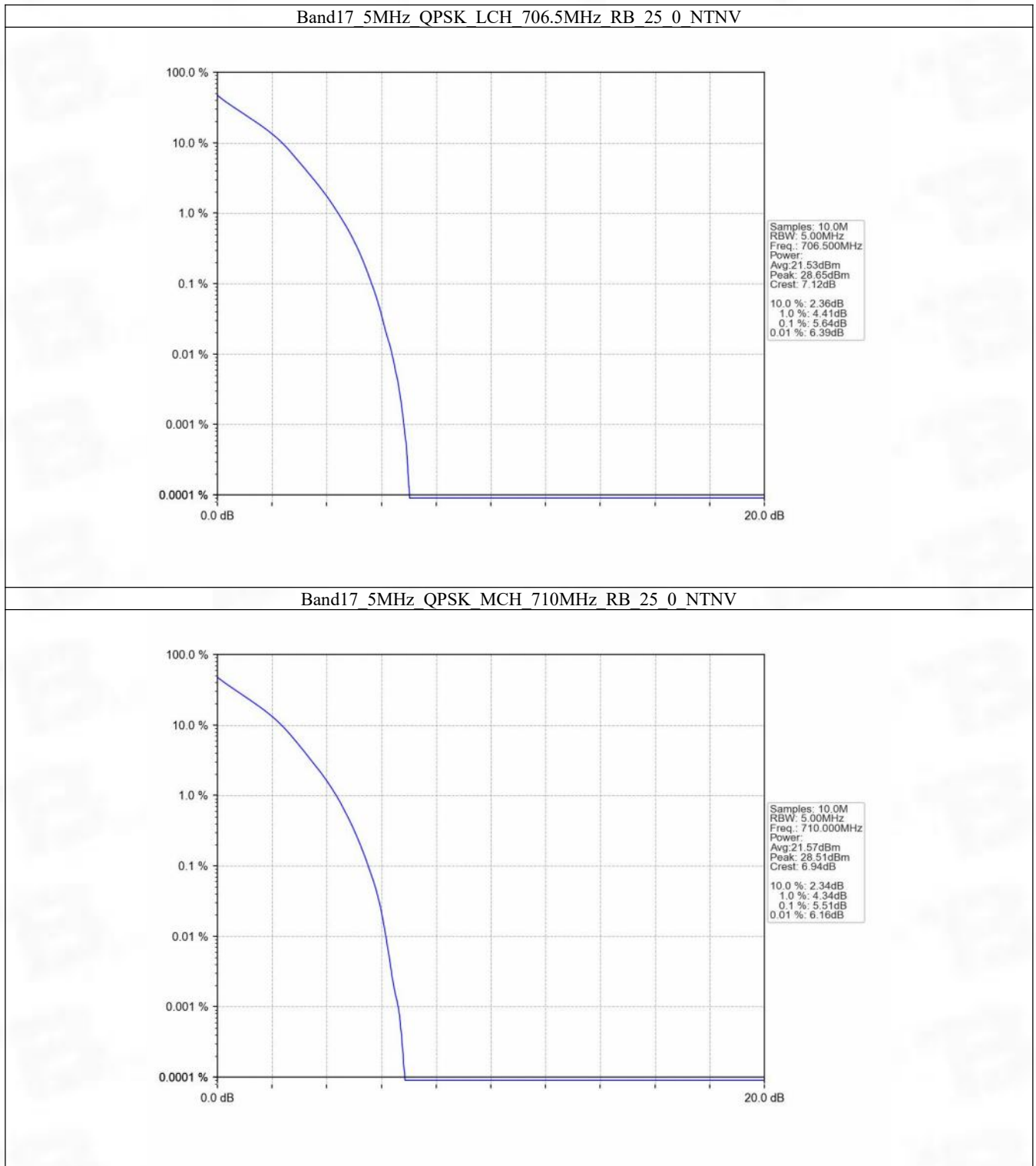
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.64	≤ 13	Pass
	710	25	0	5.51	≤ 13	Pass
	713.5	25	0	5.52	≤ 13	Pass
16QAM	706.5	25	0	6.26	≤ 13	Pass
	710	25	0	6.23	≤ 13	Pass
	713.5	25	0	6.22	≤ 13	Pass

5.1.2 B17_10MHz

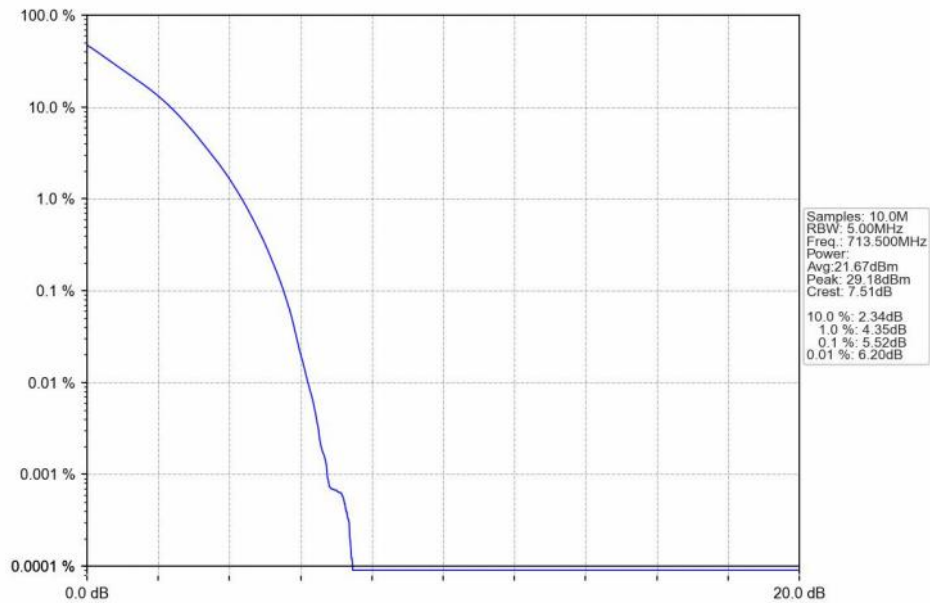
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.54	≤ 13	Pass
	710	50	0	5.51	≤ 13	Pass
	711	50	0	5.51	≤ 13	Pass
16QAM	709	50	0	6.30	≤ 13	Pass
	710	50	0	6.28	≤ 13	Pass
	711	50	0	6.23	≤ 13	Pass

5.2 Test Graph

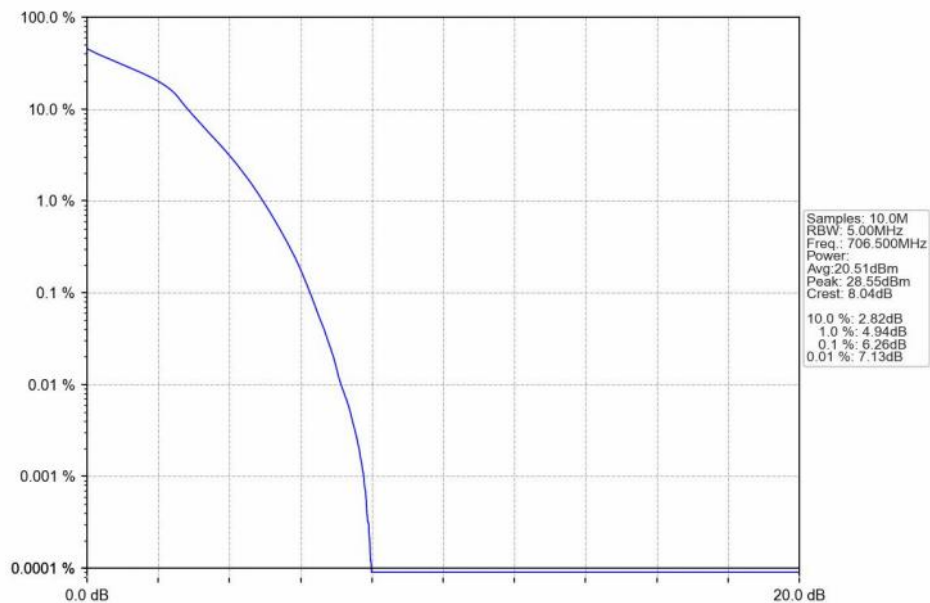
5.2.1 B17_5MHz



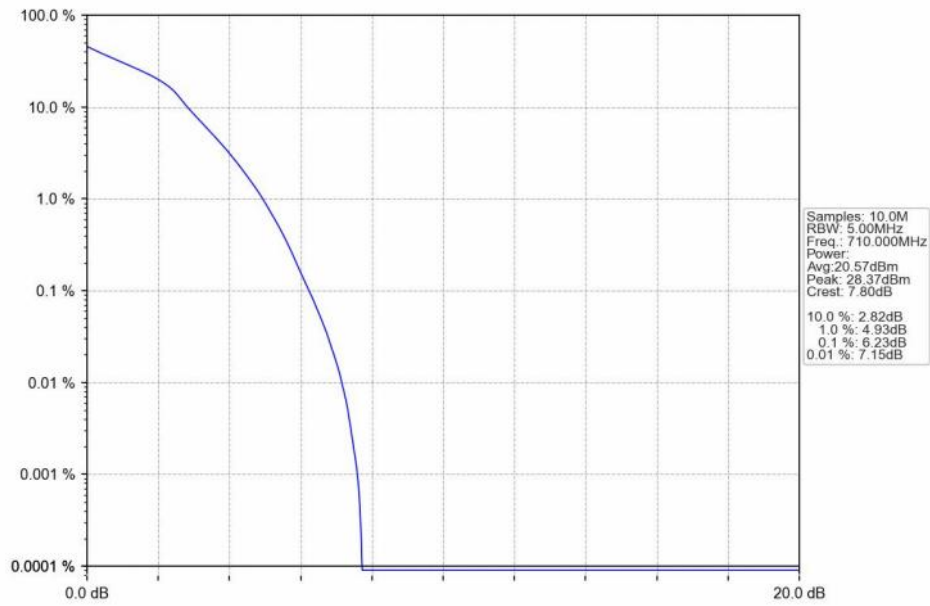
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



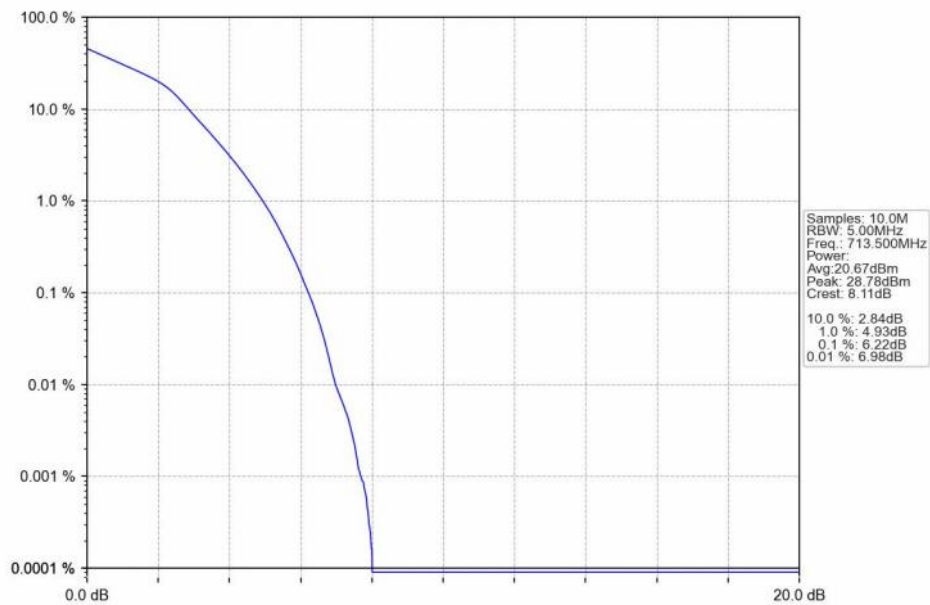
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



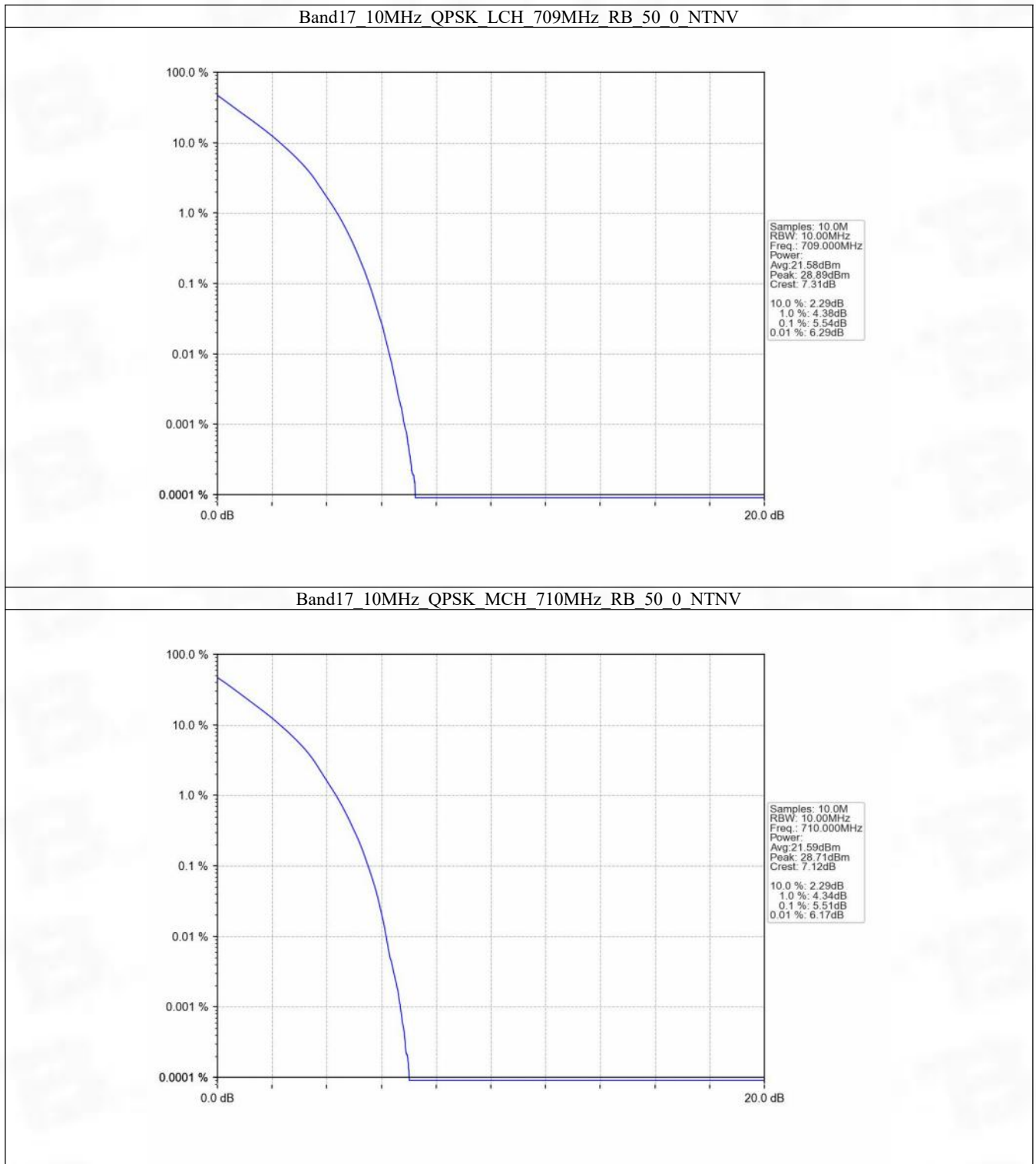
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



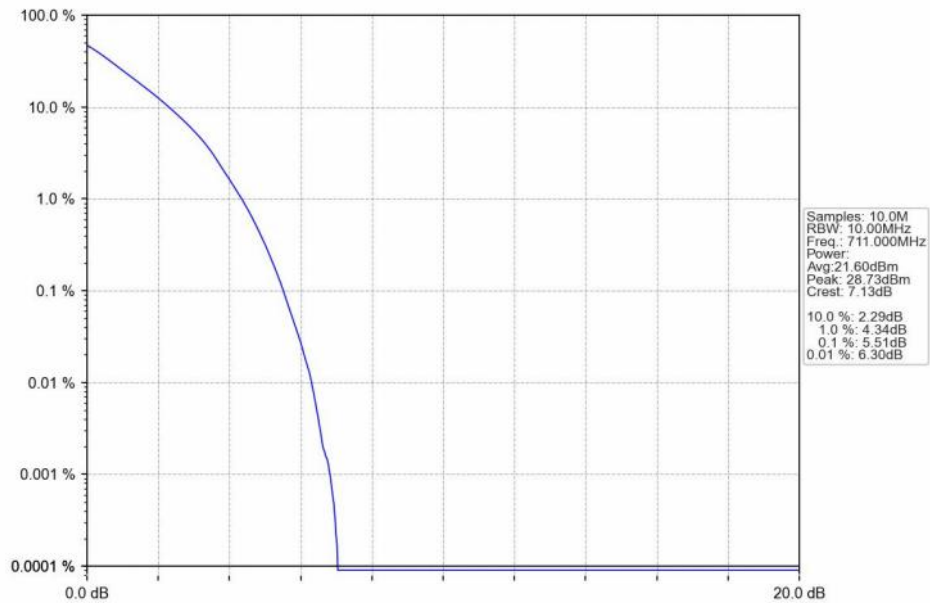
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



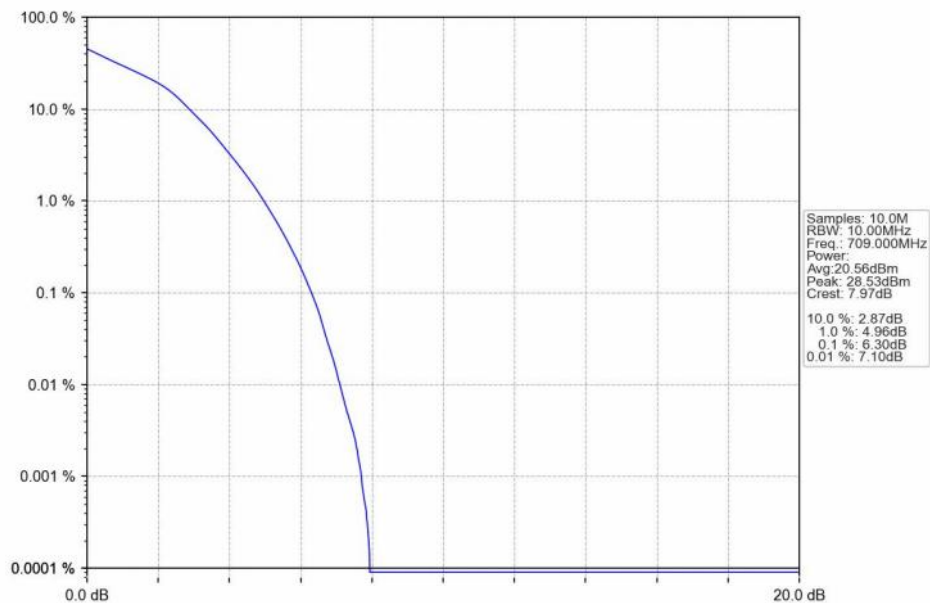
5.2.2 B17_10MHz



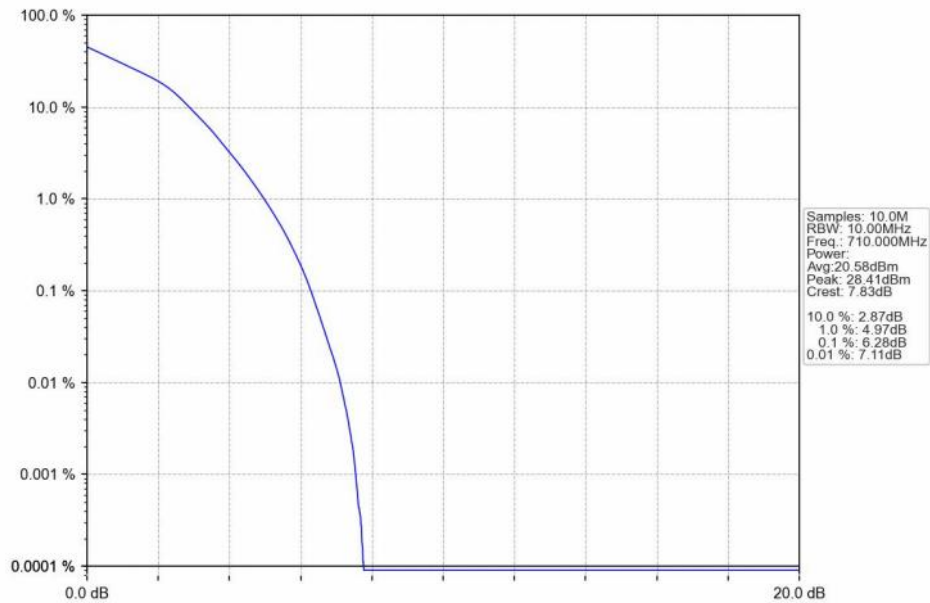
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



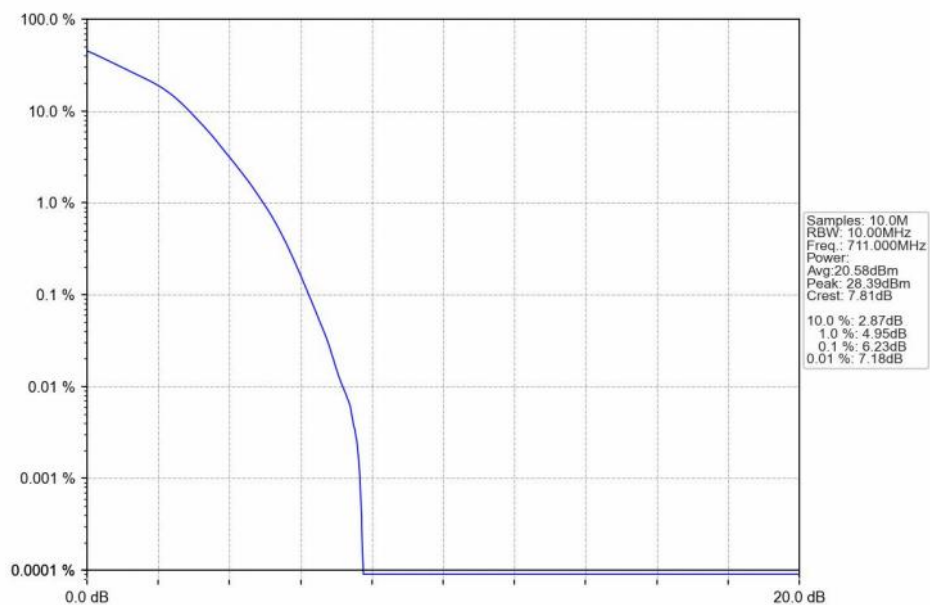
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



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

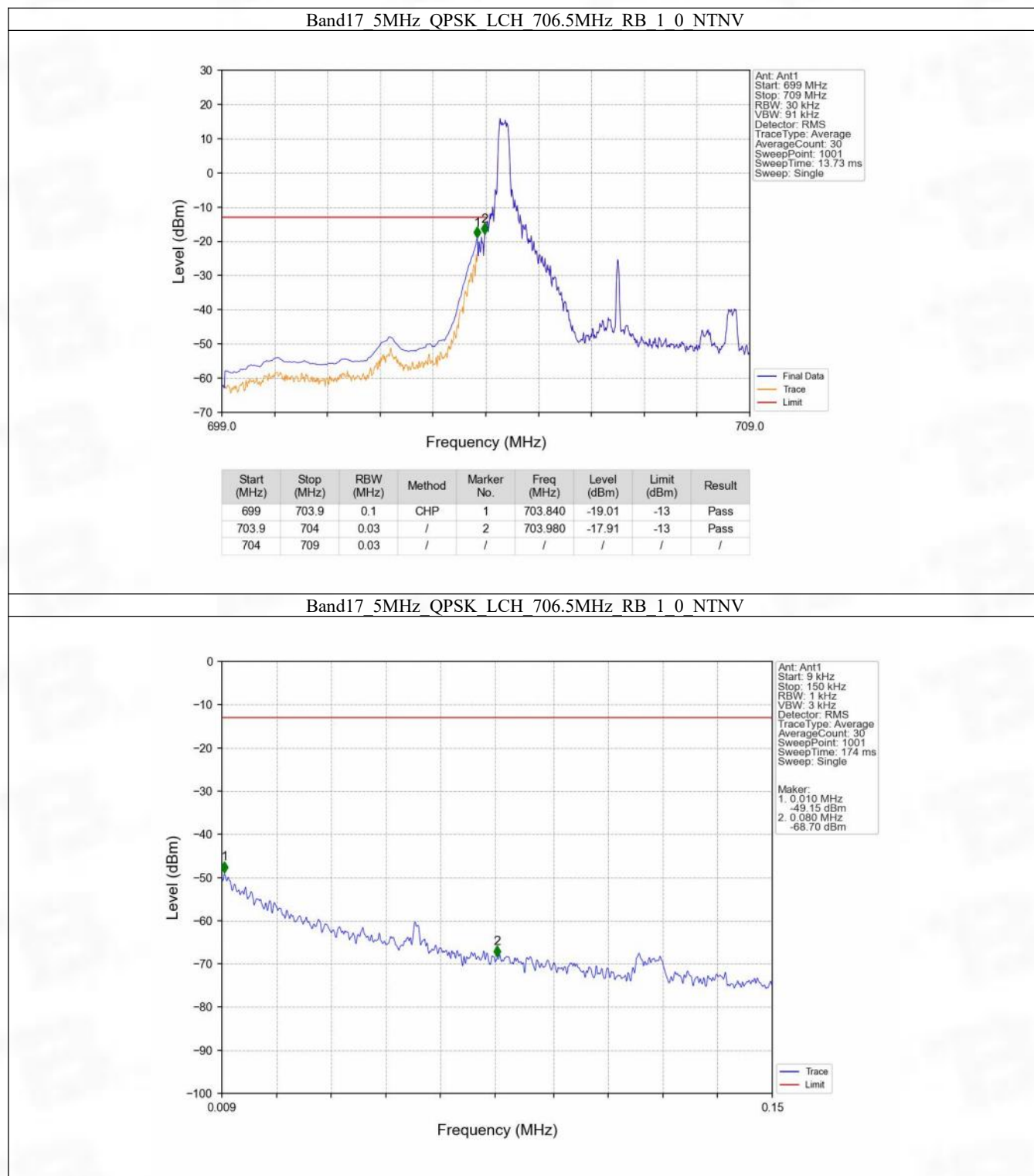
Band: 17 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

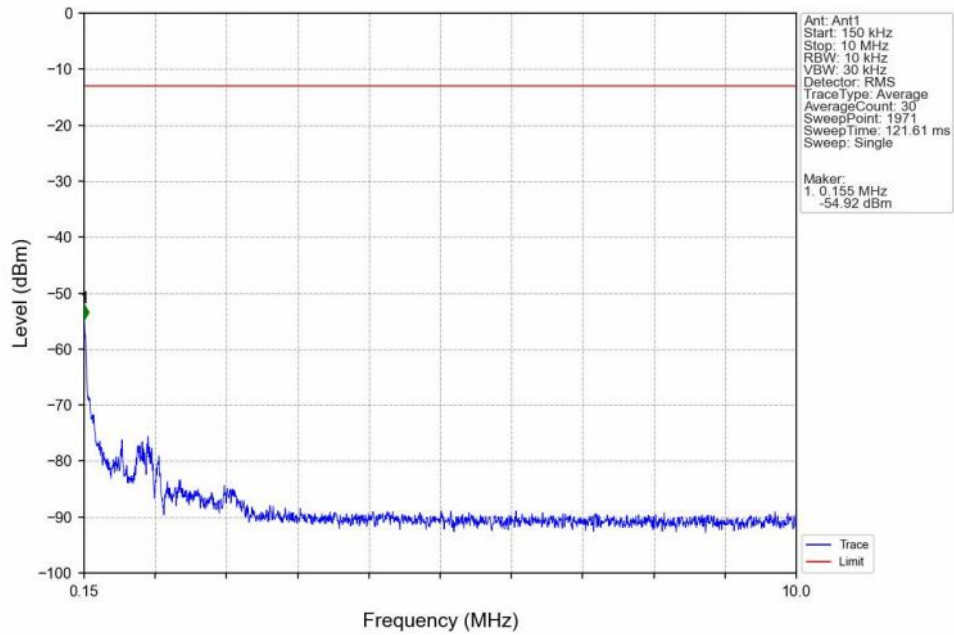
Band: 17 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

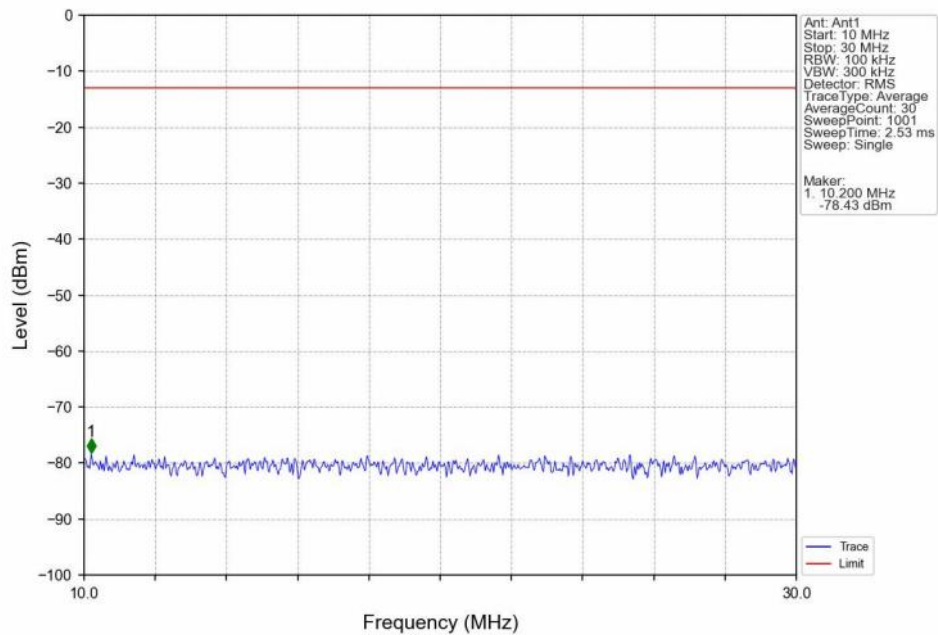
6.2.1 B17_5MHz



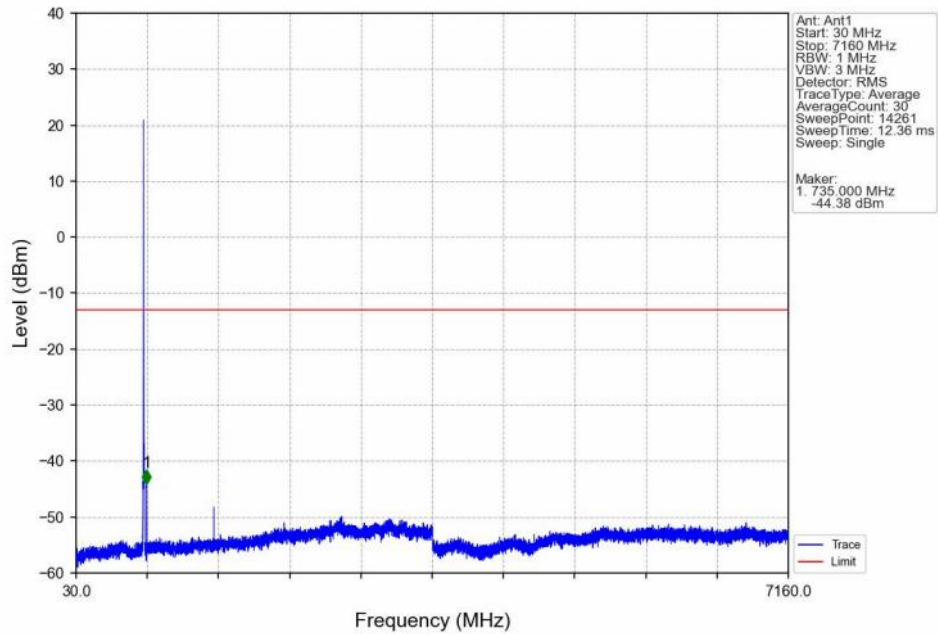
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



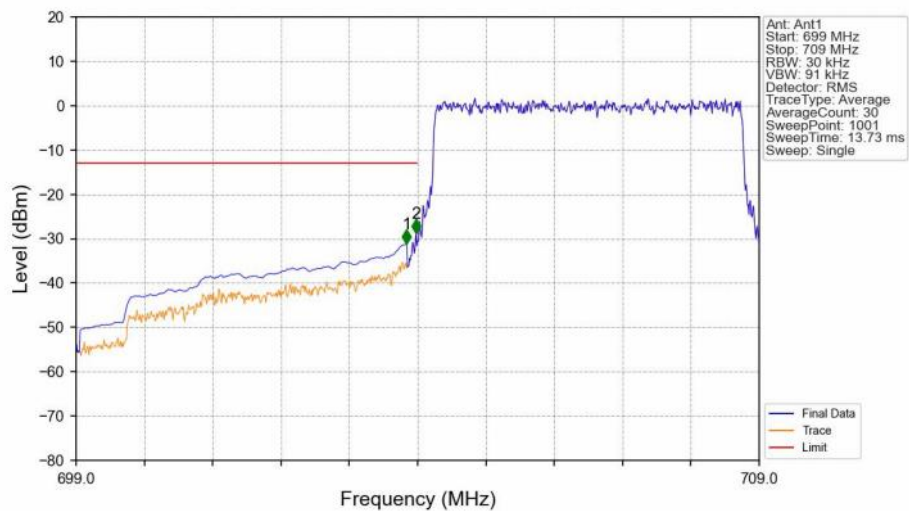
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

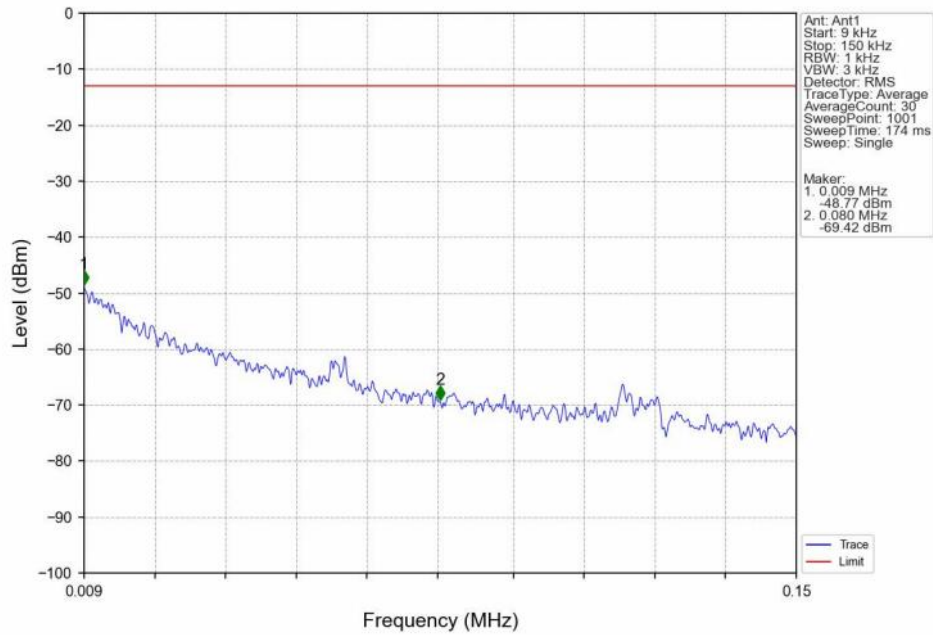


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

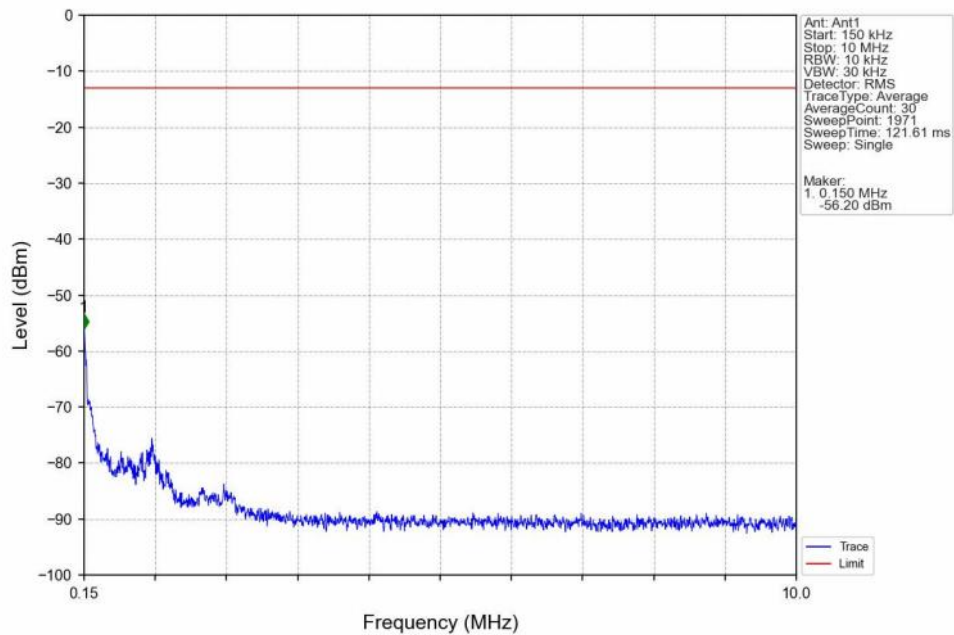


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-31.18	-13	Pass
703.9	704	0.03	/	2	703.980	-28.83	-13	Pass
704	709	0.03	/	/	/	/	/	/

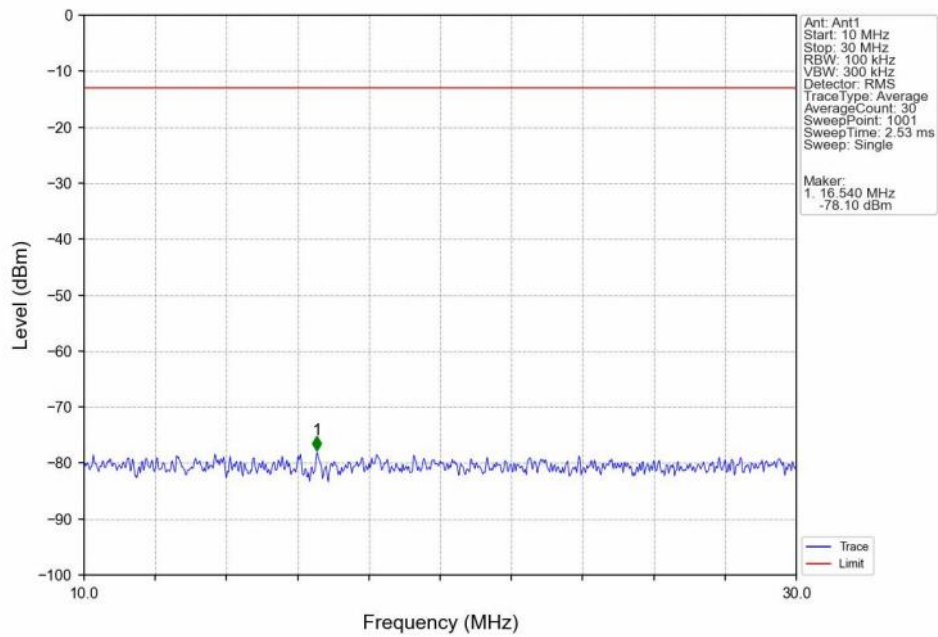
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



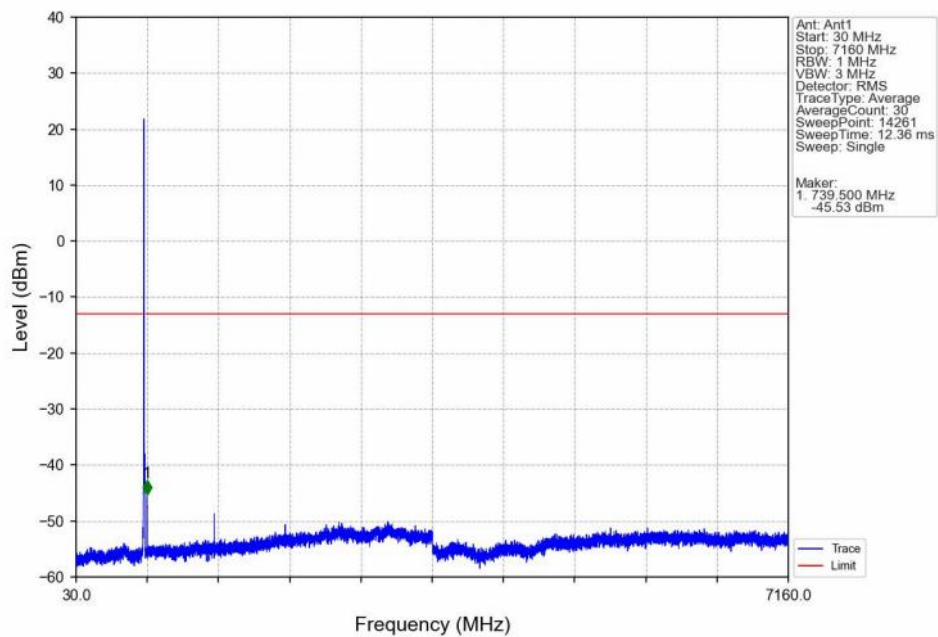
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



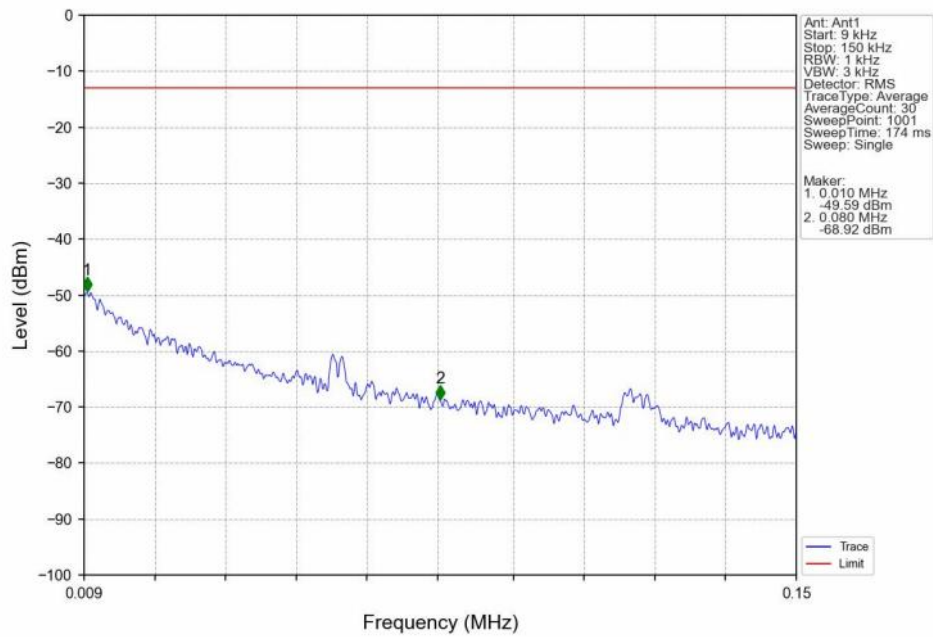
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



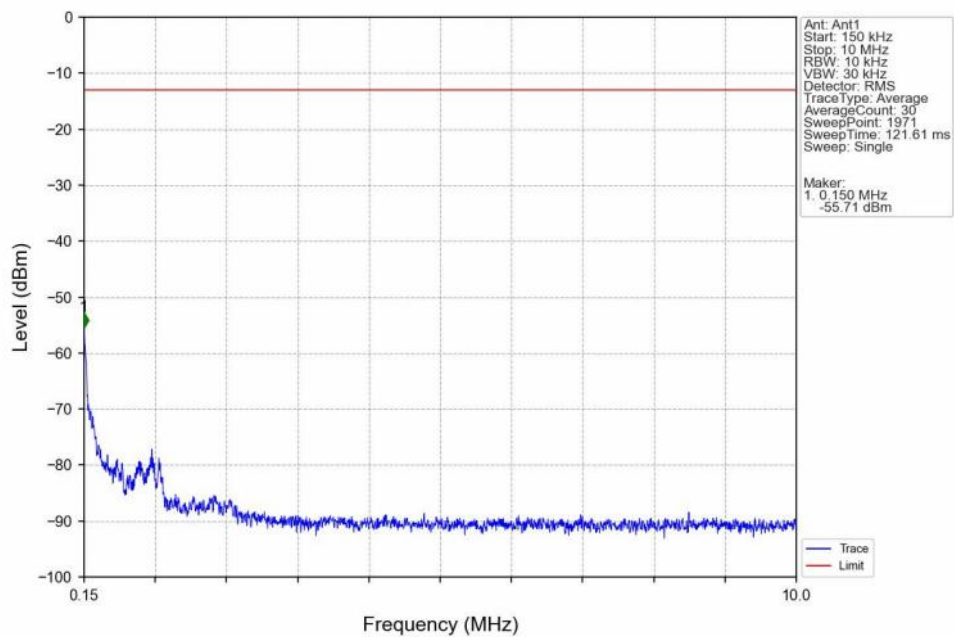
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



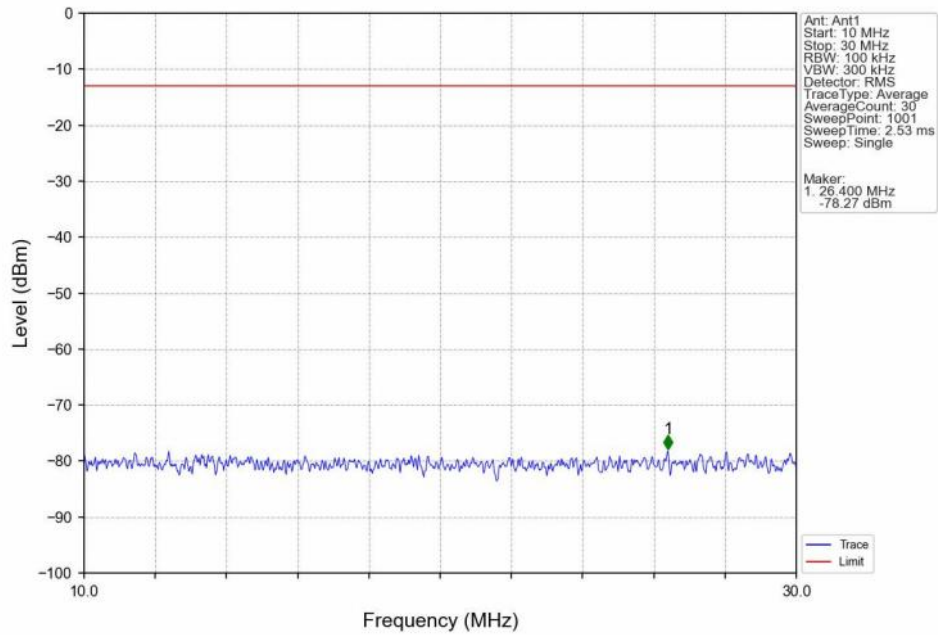
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



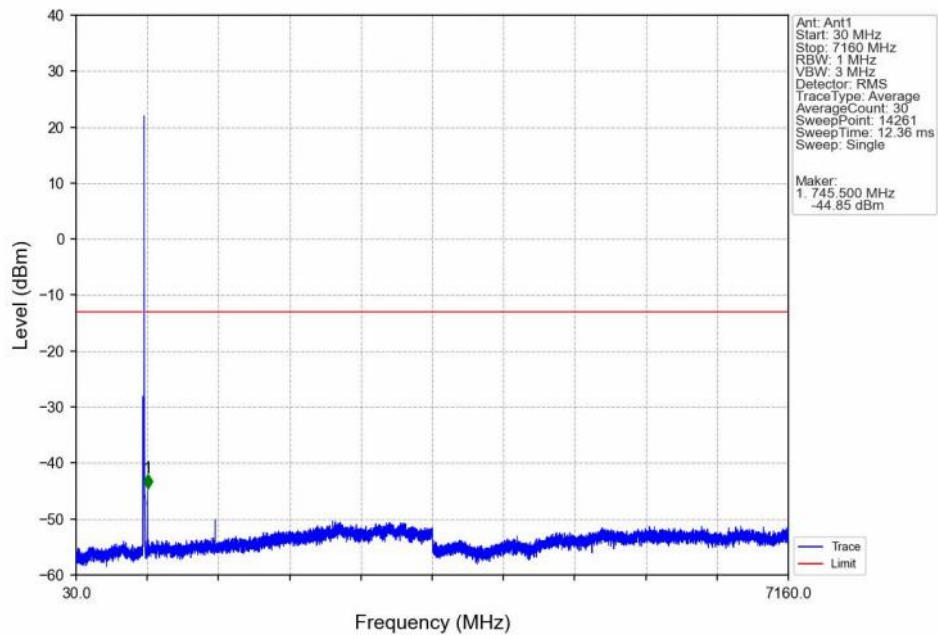
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



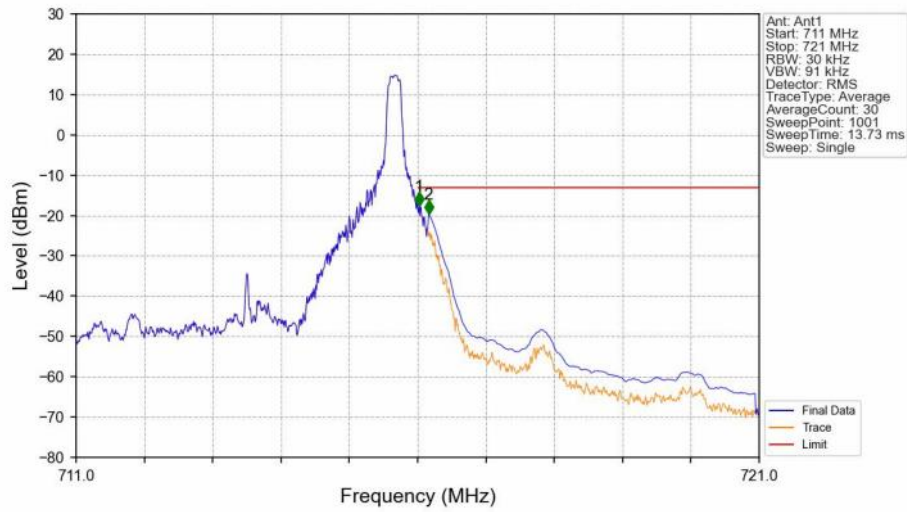
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV

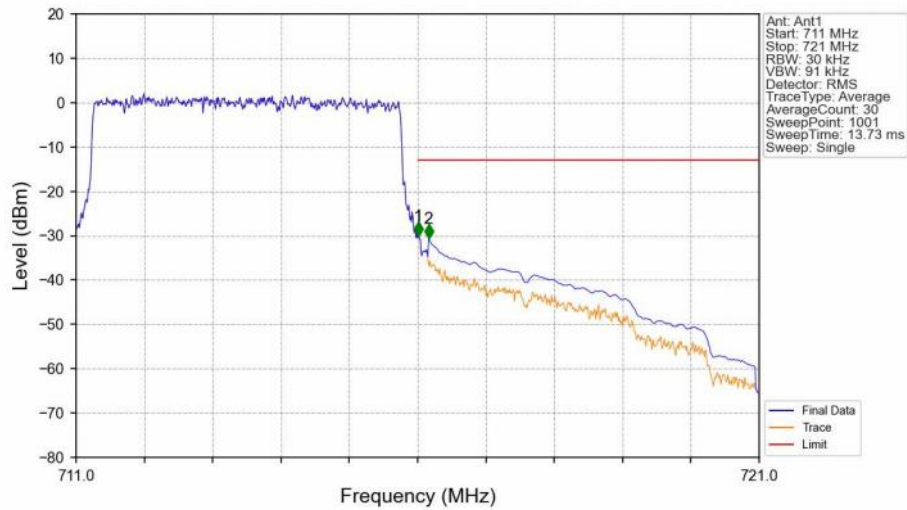


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



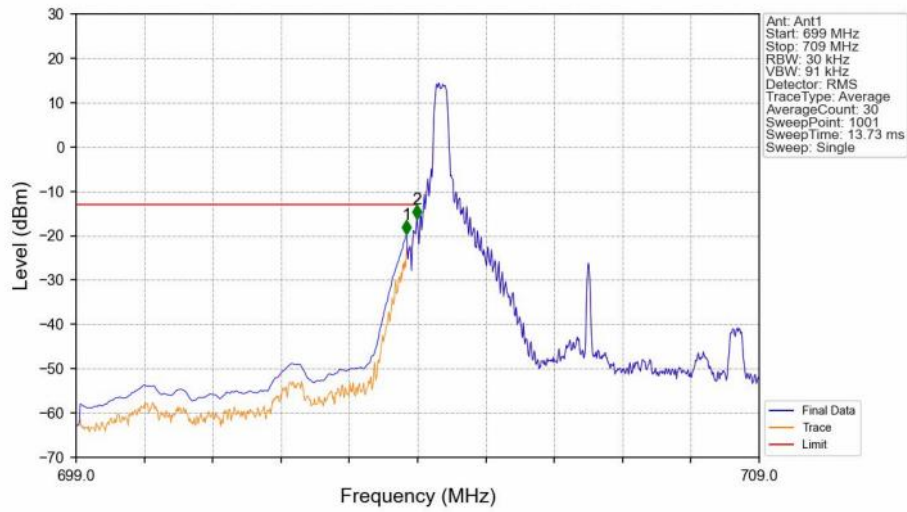
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-17.55	-13	Pass
716.1	721	0.1	CHP	2	716.160	-19.59	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

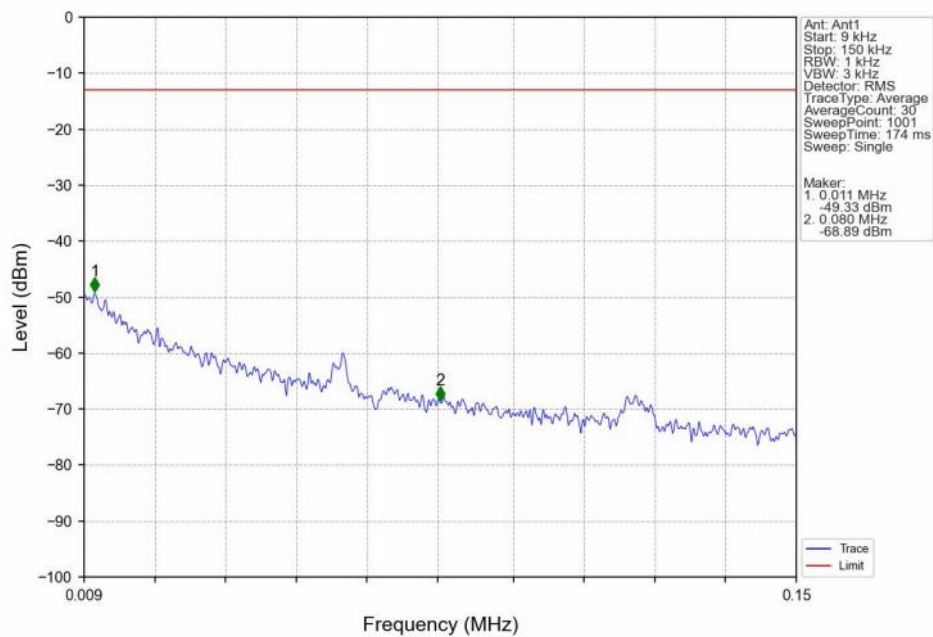


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-30.02	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.51	-13	Pass

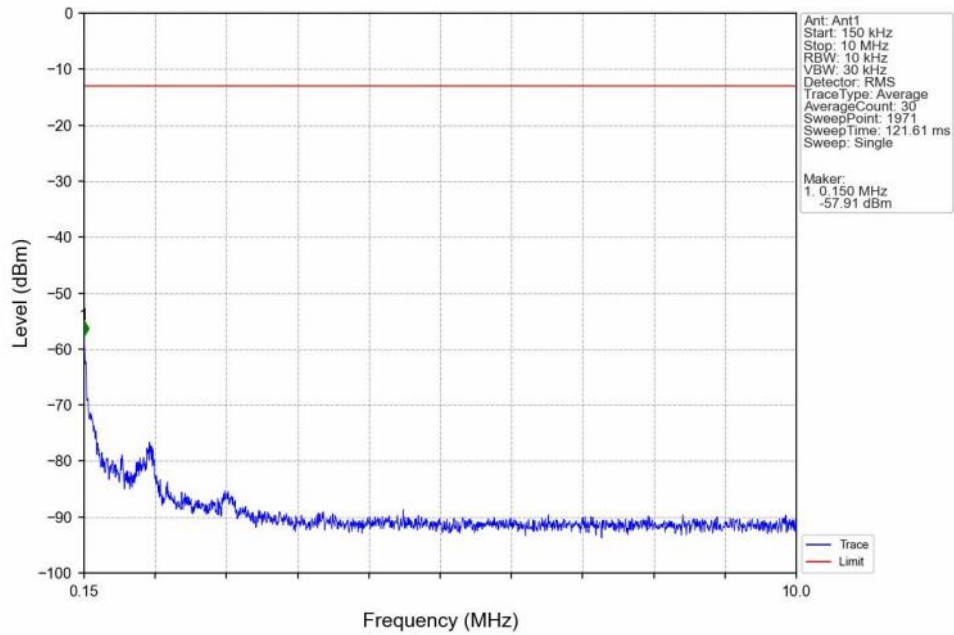
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV



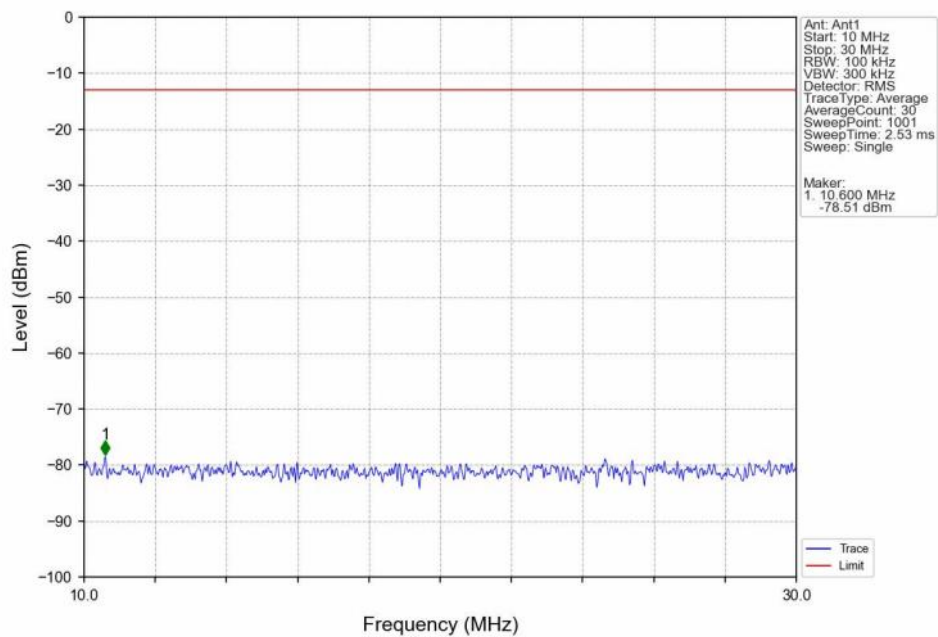
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV



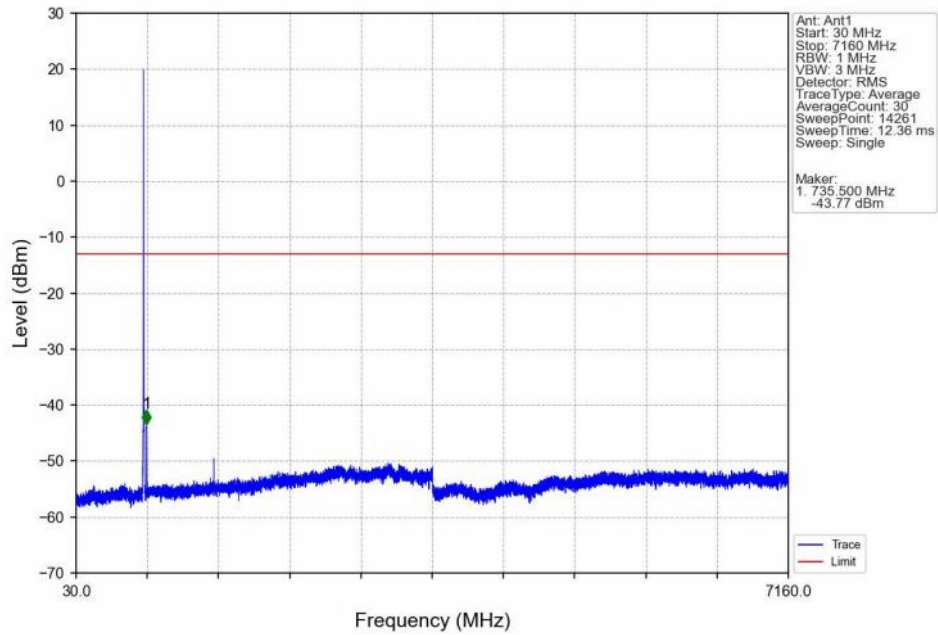
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



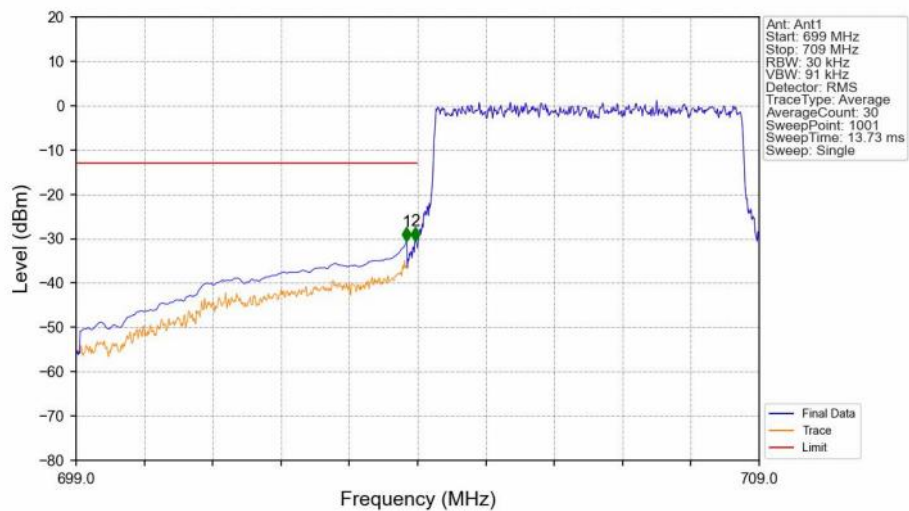
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV

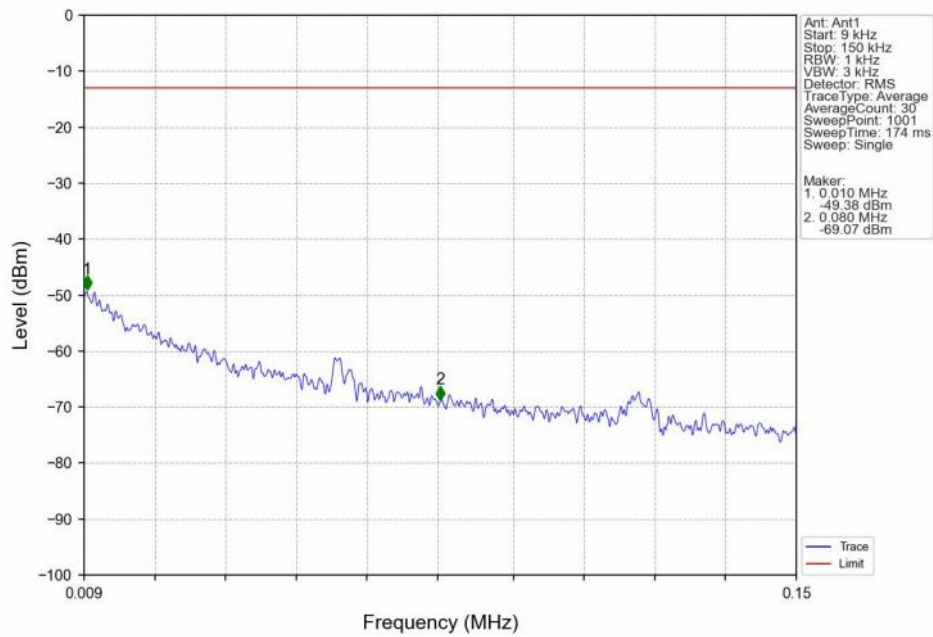


Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV

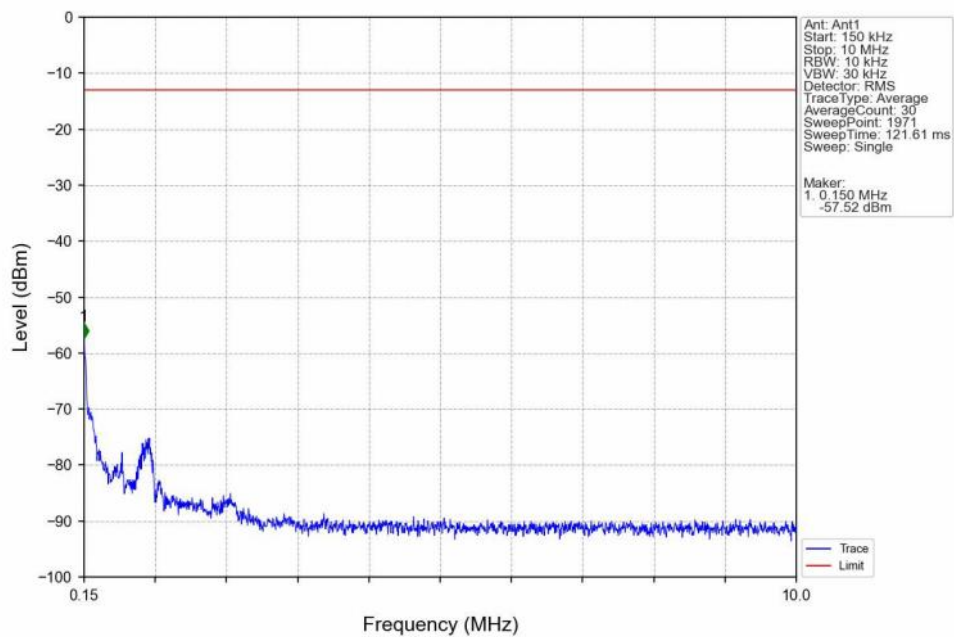


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.59	-13	Pass
703.9	704	0.03	/	2	703.970	-30.49	-13	Pass
704	709	0.03	/	/	/	/	/	/

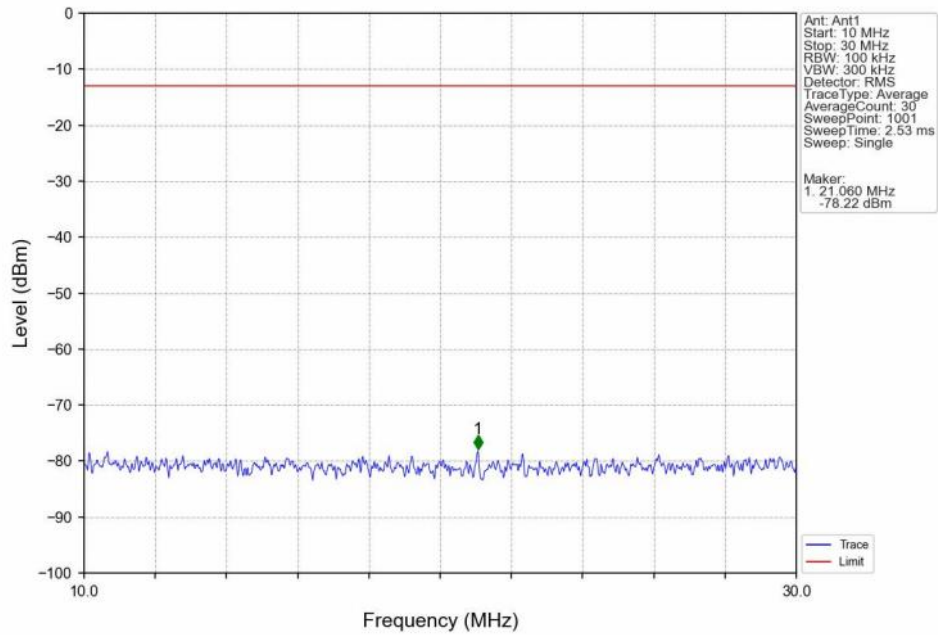
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



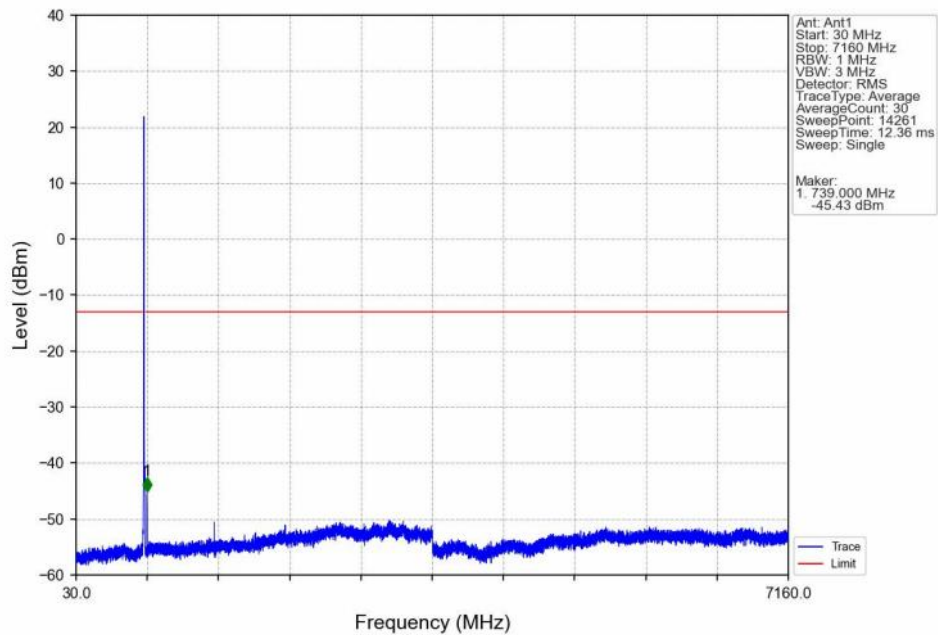
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



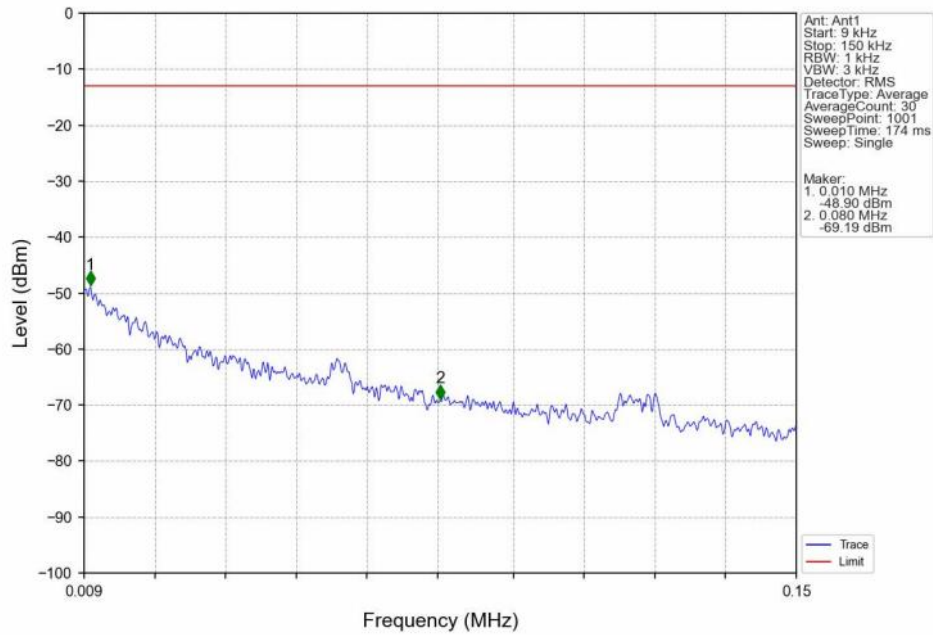
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



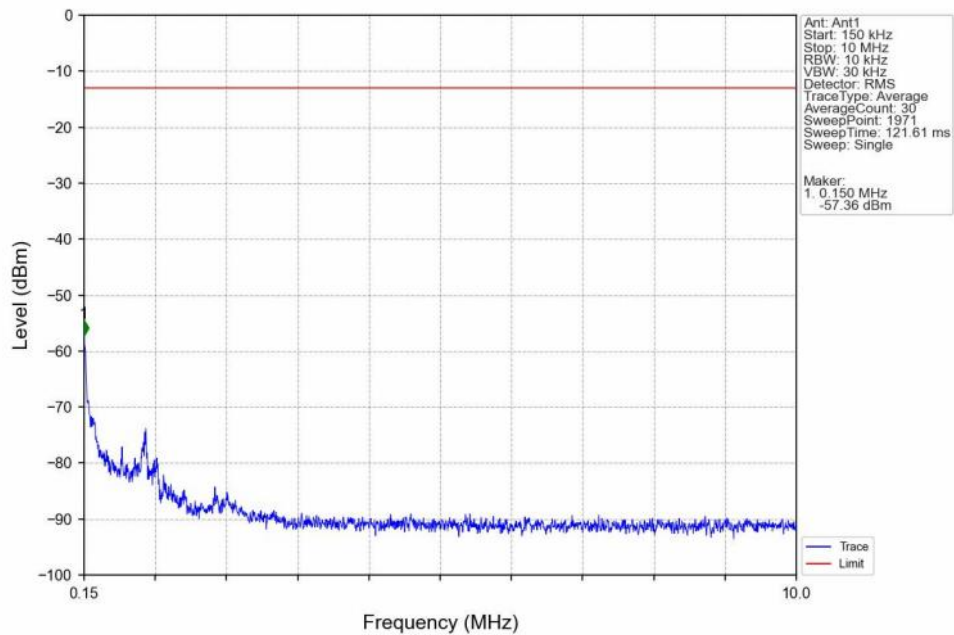
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



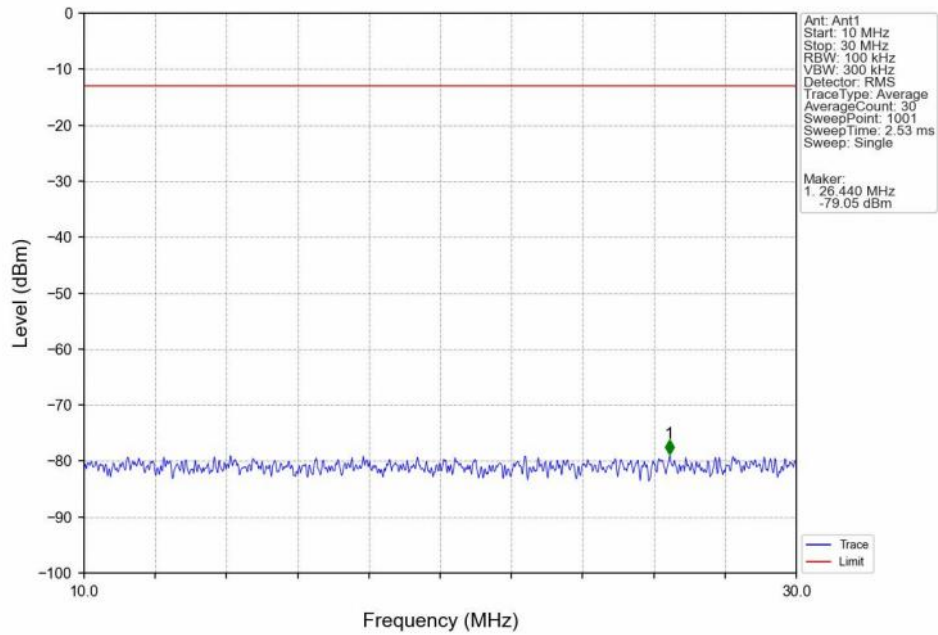
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



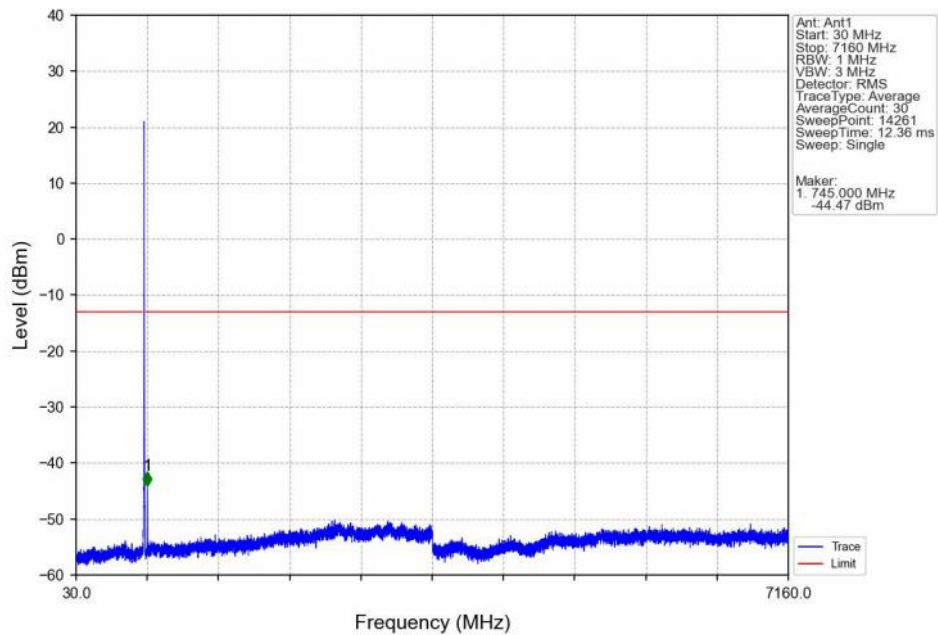
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



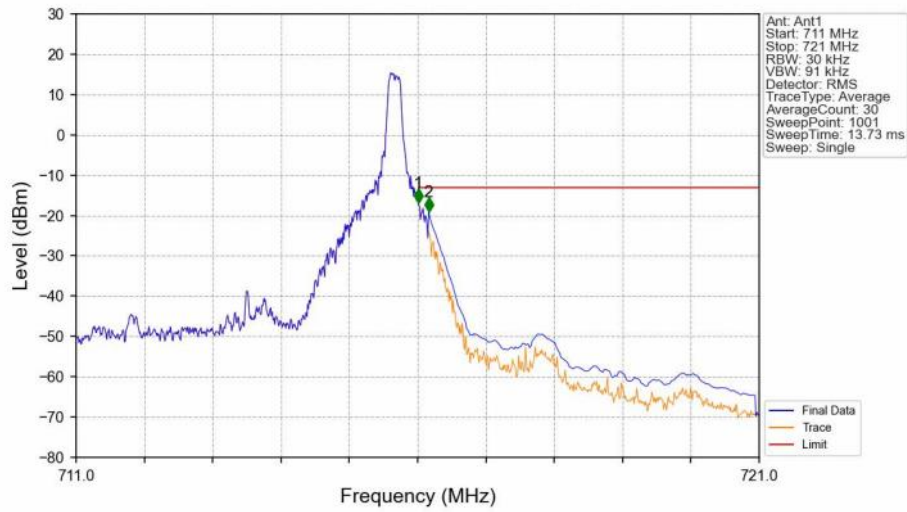
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

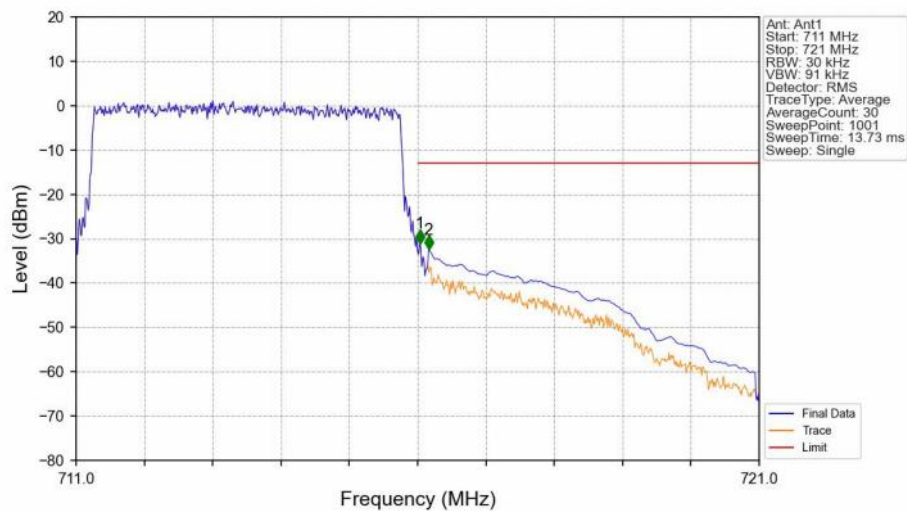


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



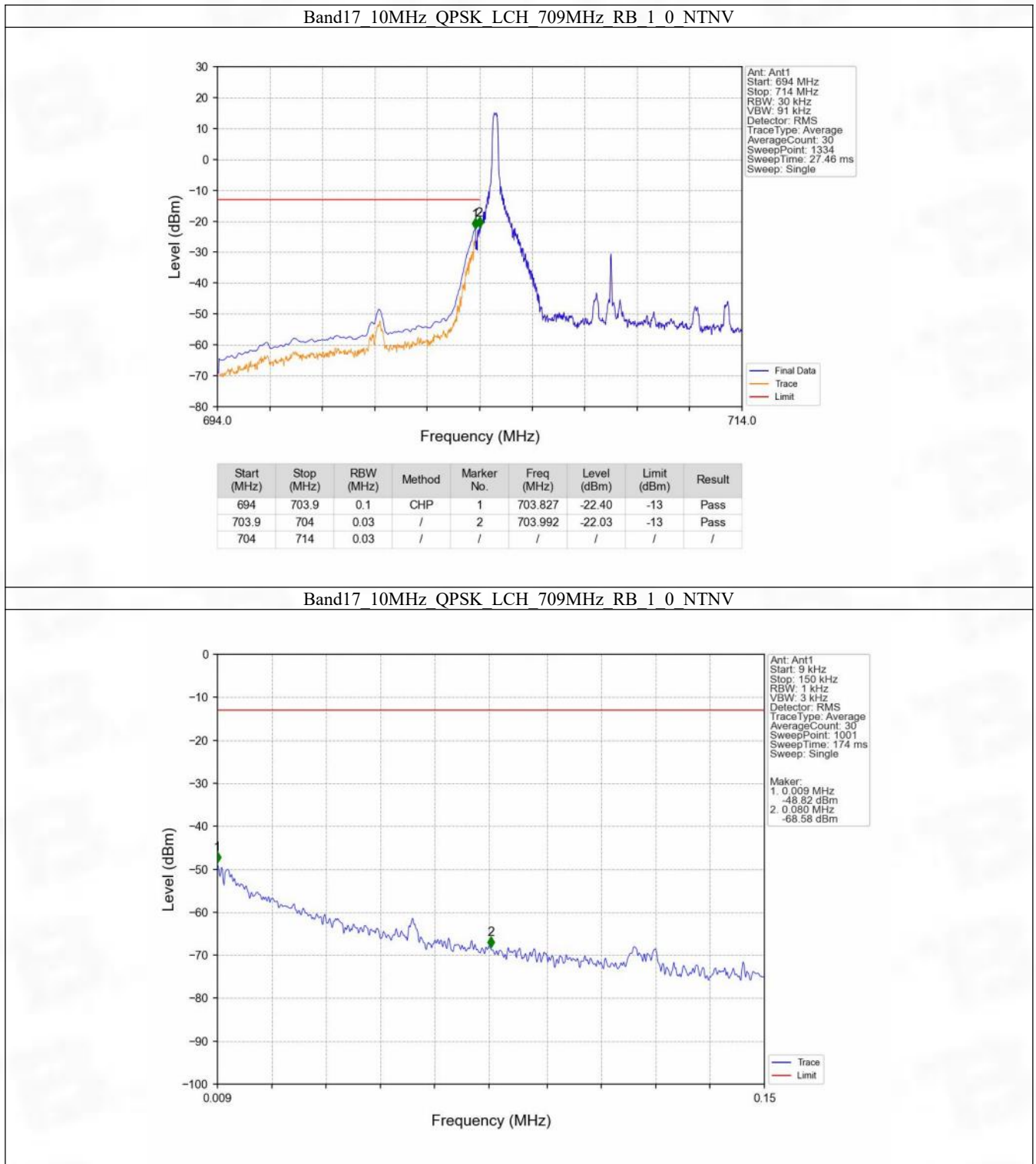
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-16.90	-13	Pass
716.1	721	0.1	CHP	2	716.160	-18.97	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

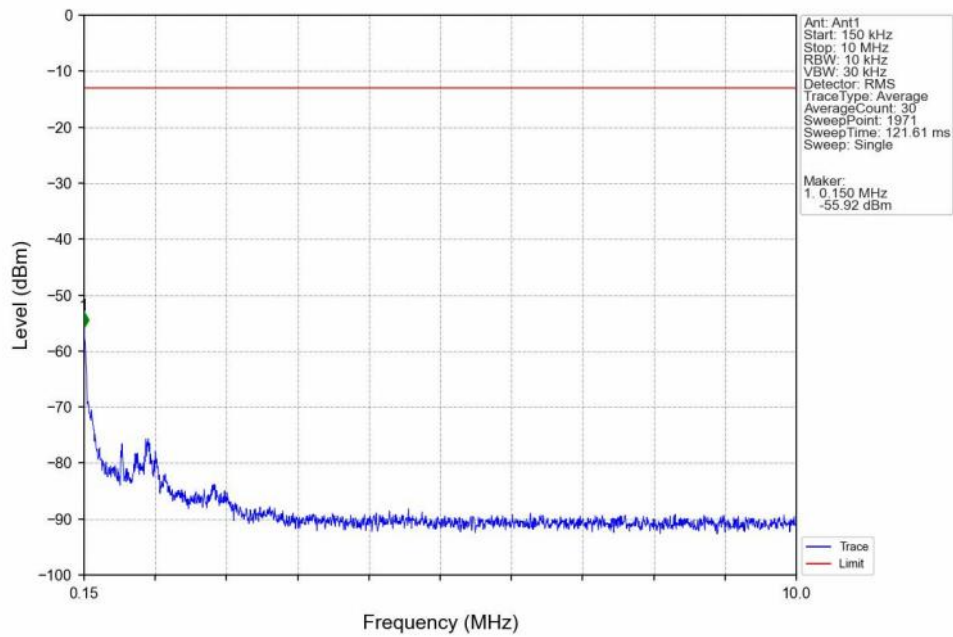


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-31.04	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.38	-13	Pass

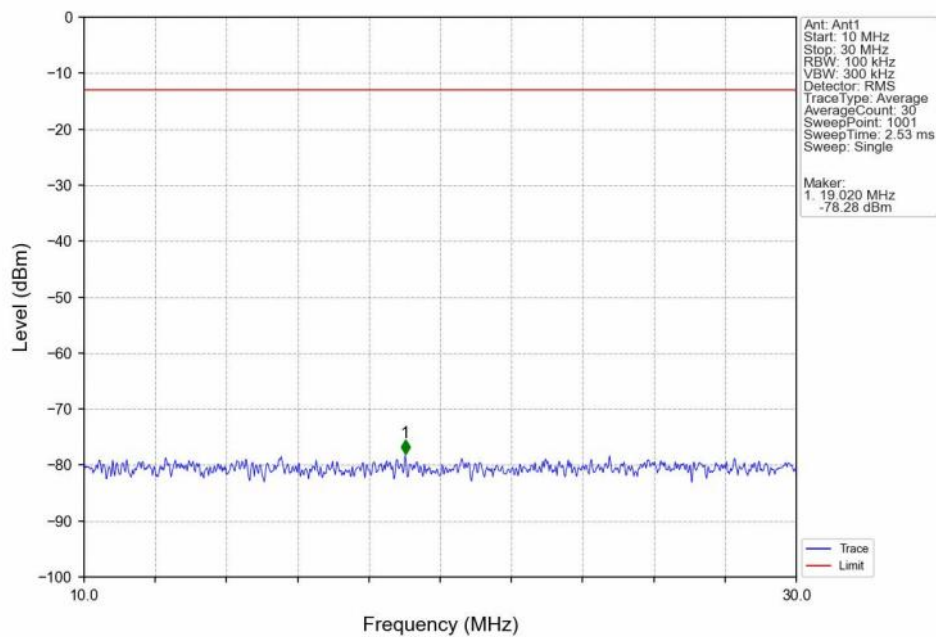
6.2.2 B17_10MHz



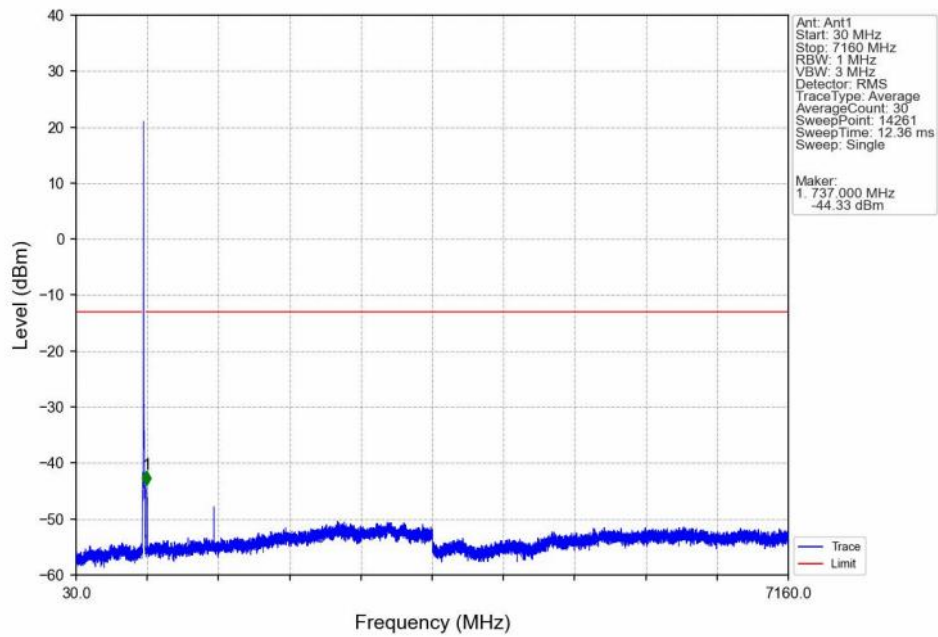
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV



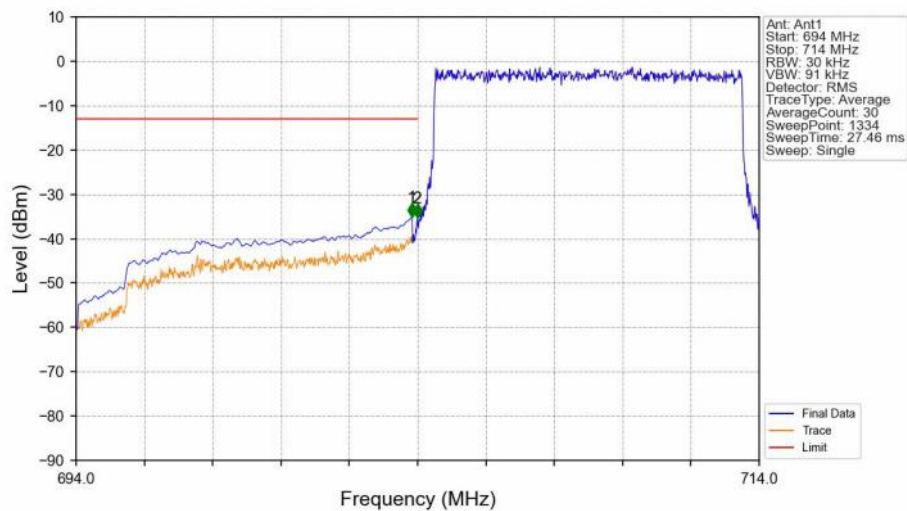
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV



Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV

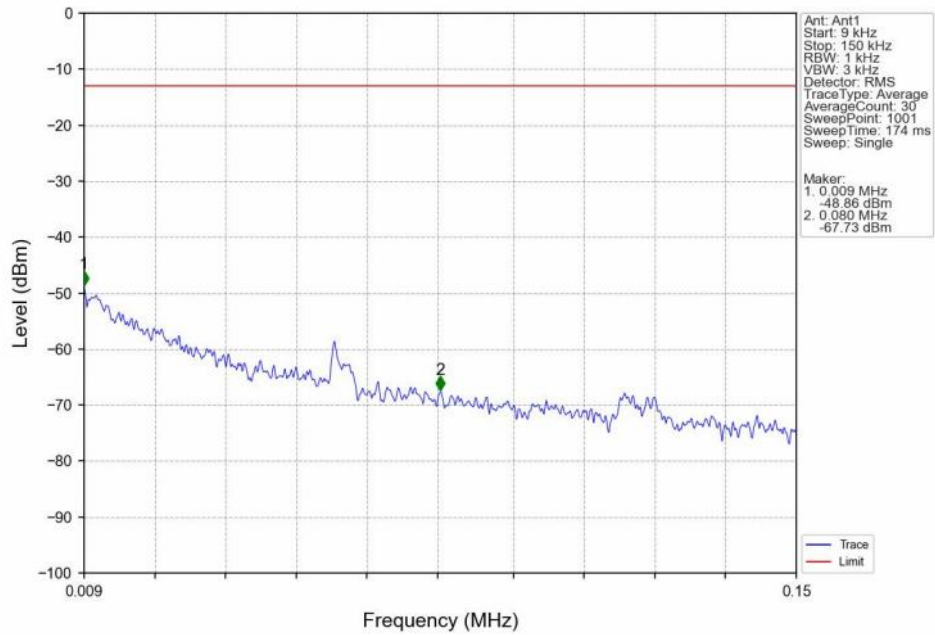


Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV

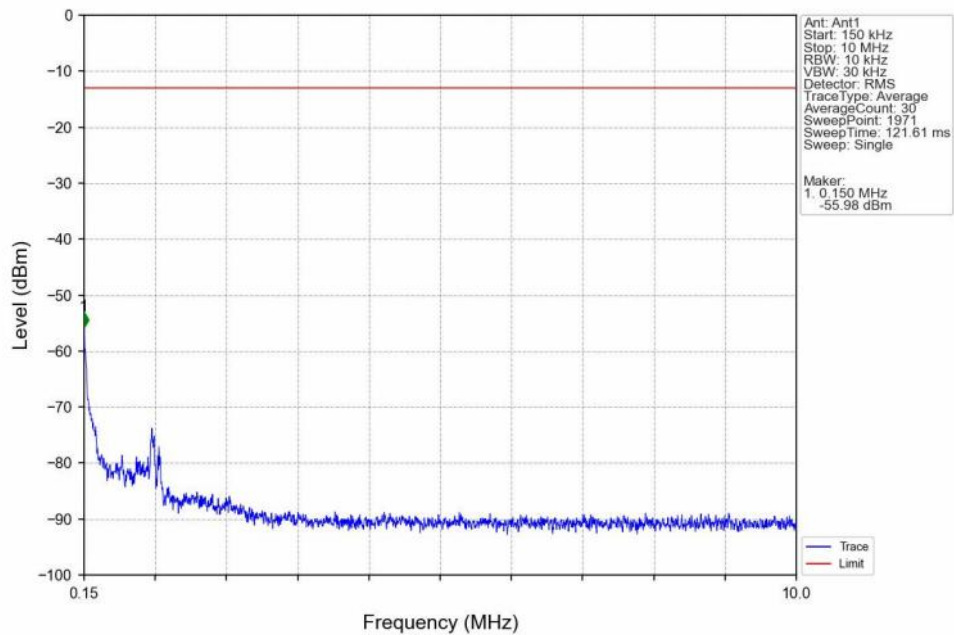


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.827	-35.09	-13	Pass
703.9	704	0.03	/	2	703.992	-35.29	-13	Pass
704	714	0.03	/	/	/	/	/	/

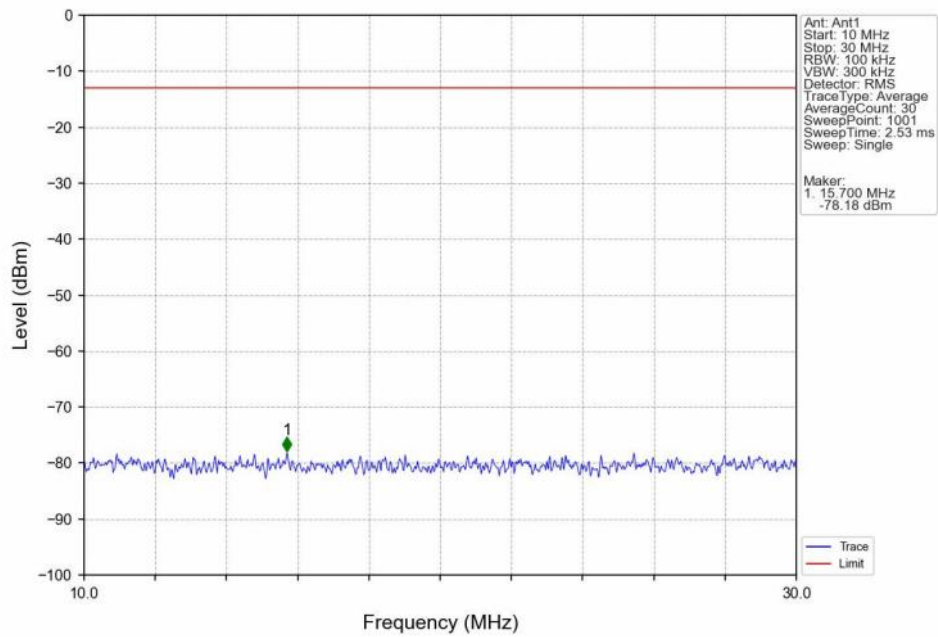
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



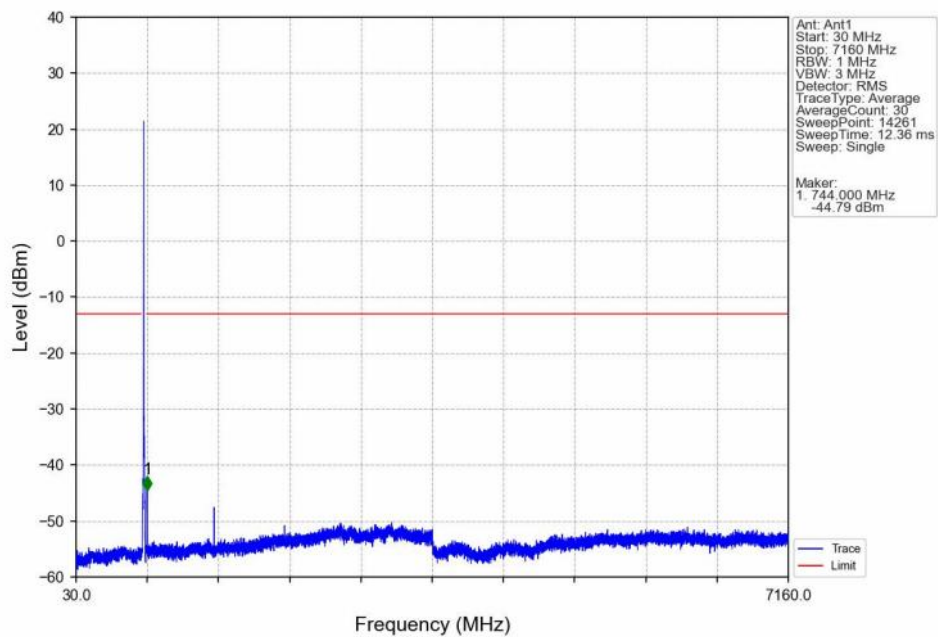
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



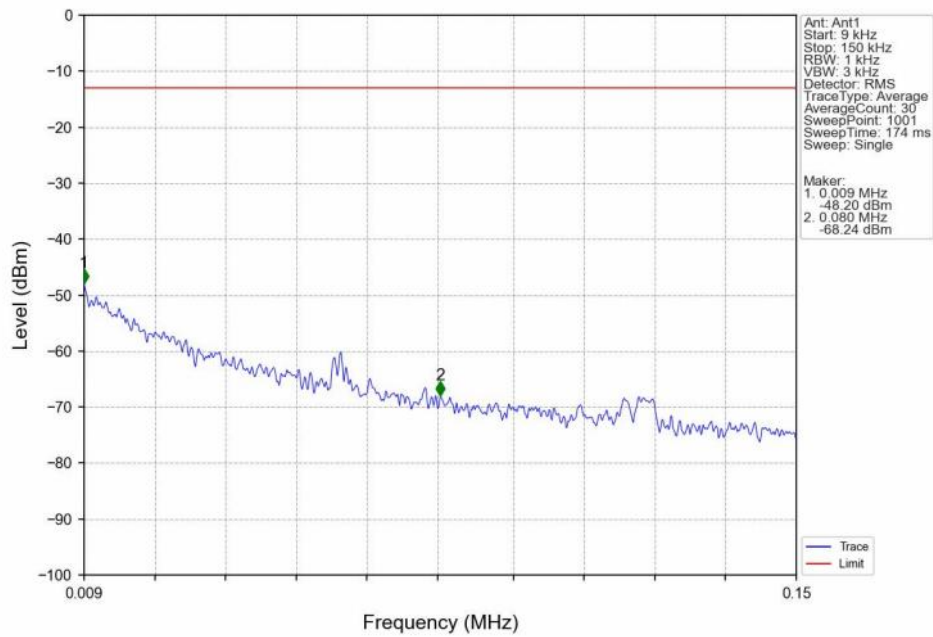
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



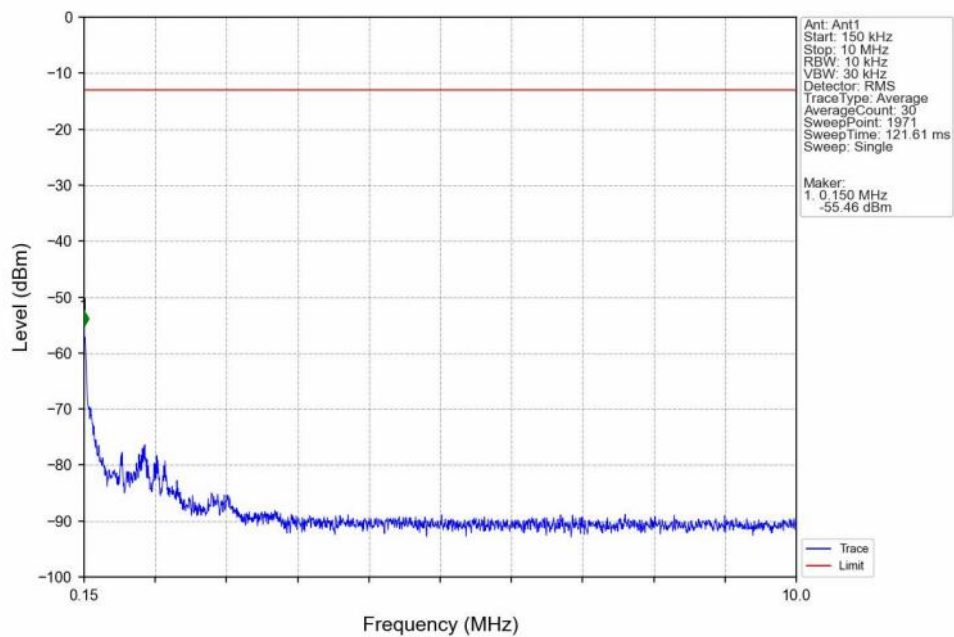
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



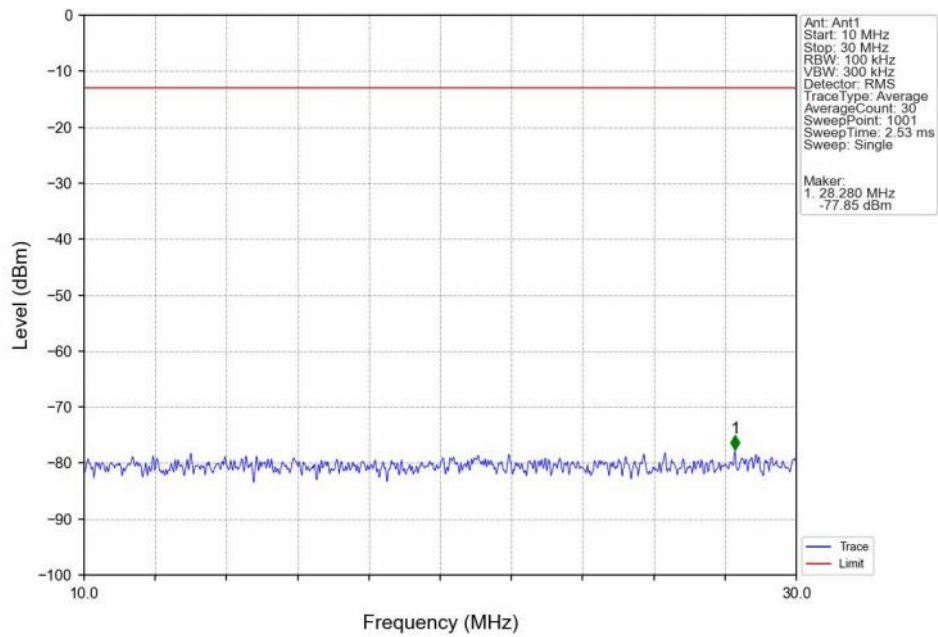
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



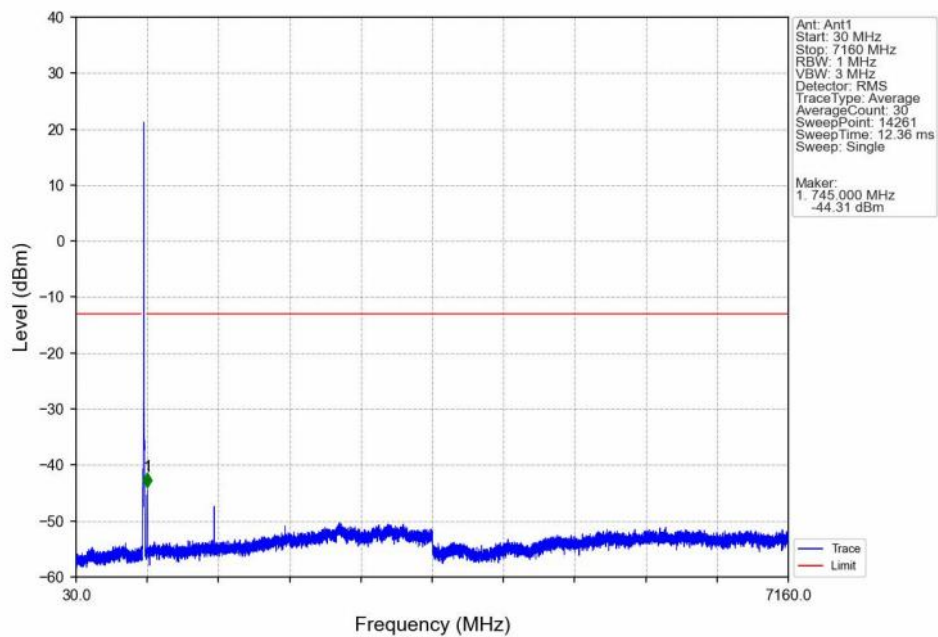
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



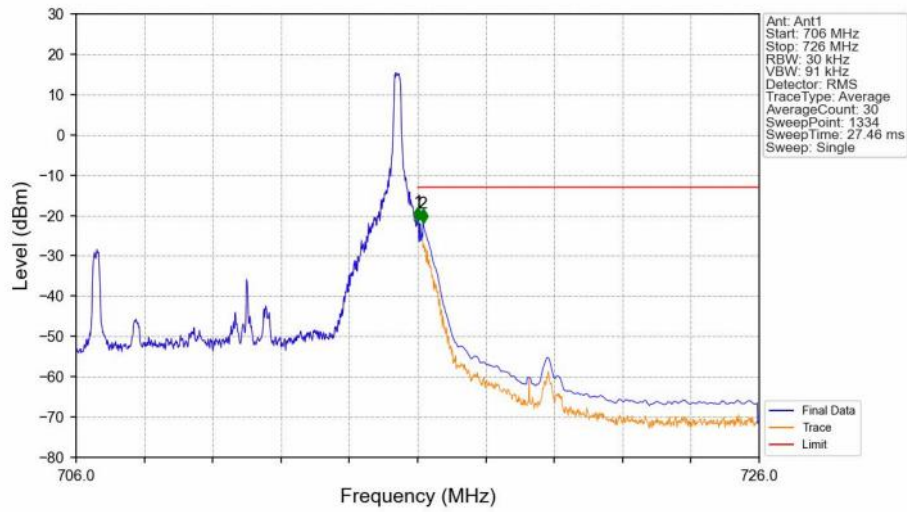
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV

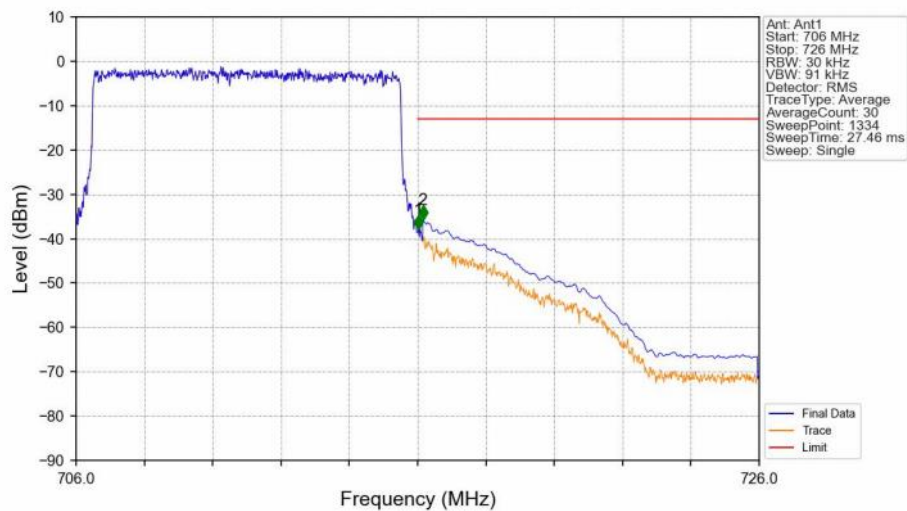


Band17 10MHz QPSK HCH 711MHz RB 1 49 NTNV



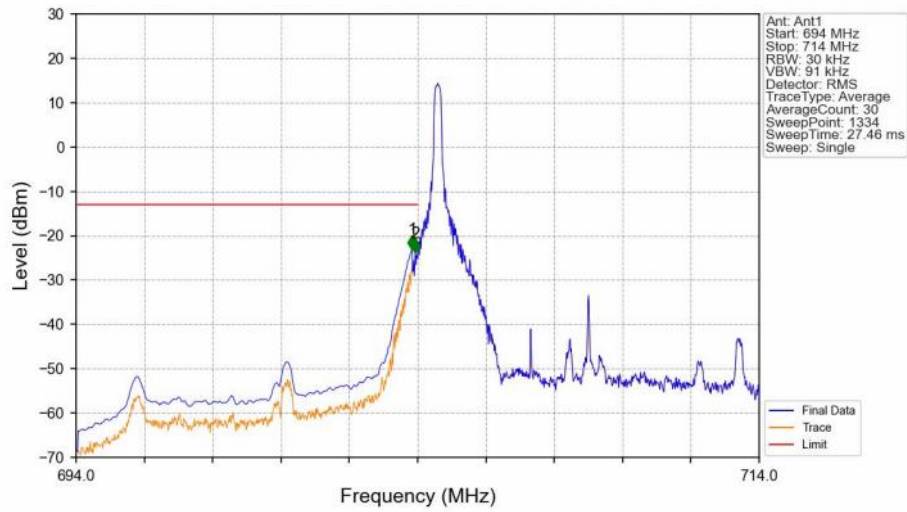
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-21.45	-13	Pass
716.1	726	0.1	CHP	2	716.158	-21.89	-13	Pass

Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV

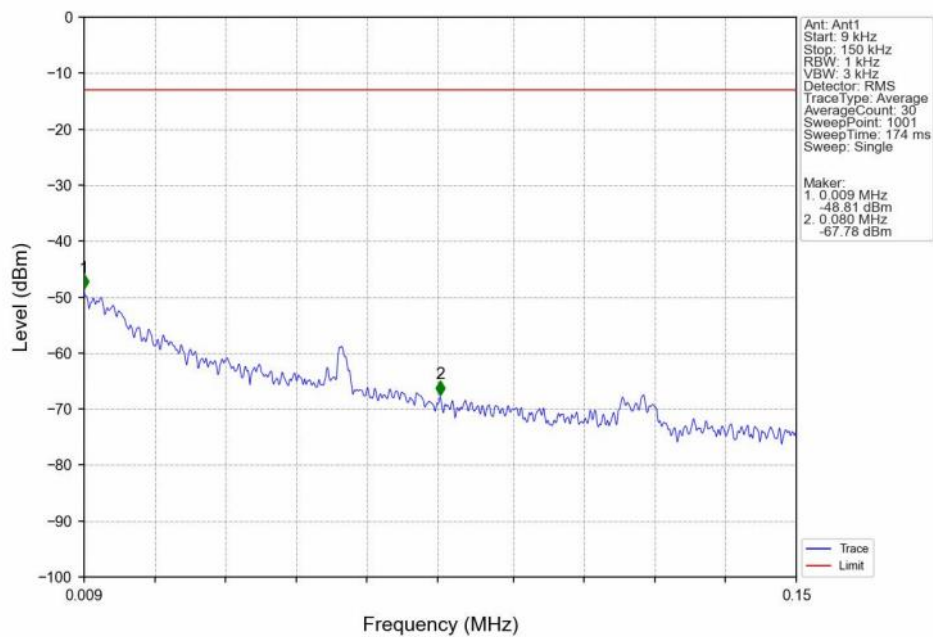


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-37.83	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.71	-13	Pass

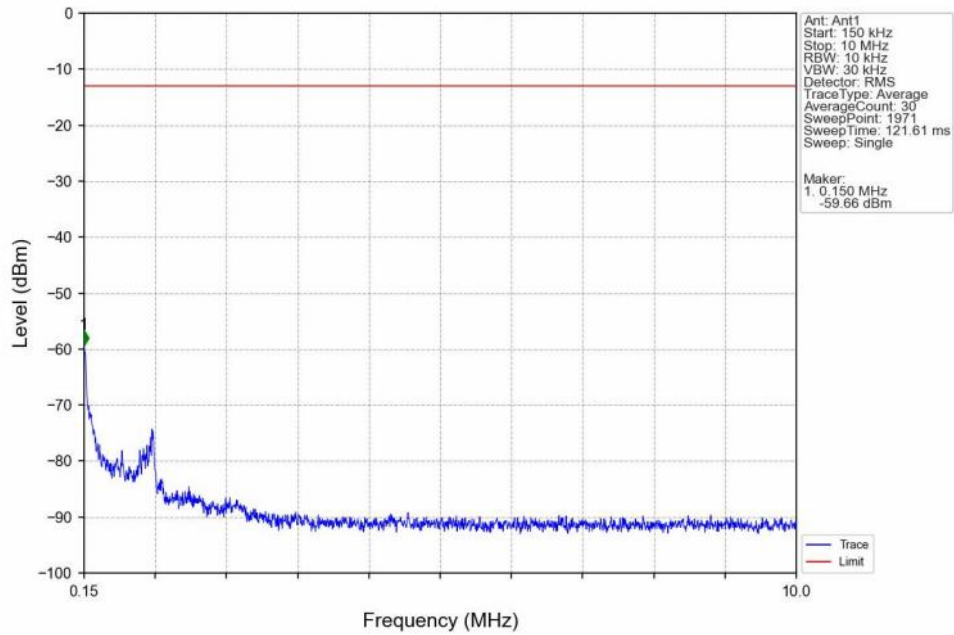
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



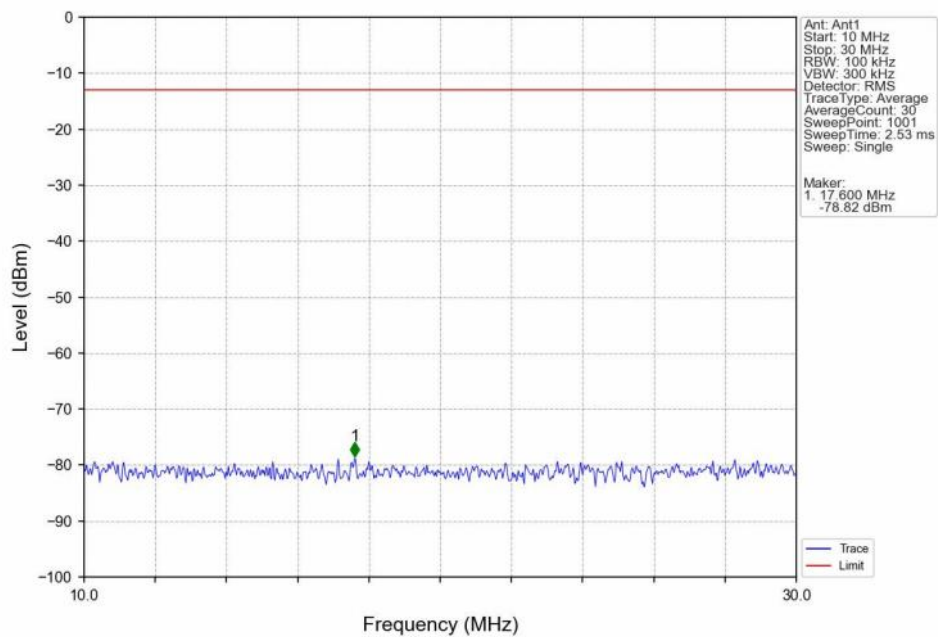
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



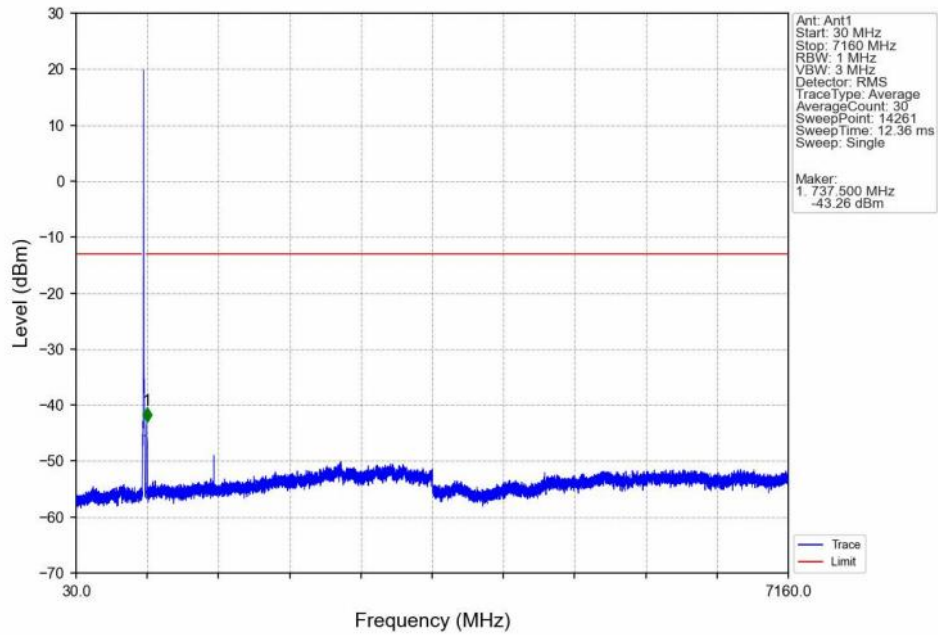
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



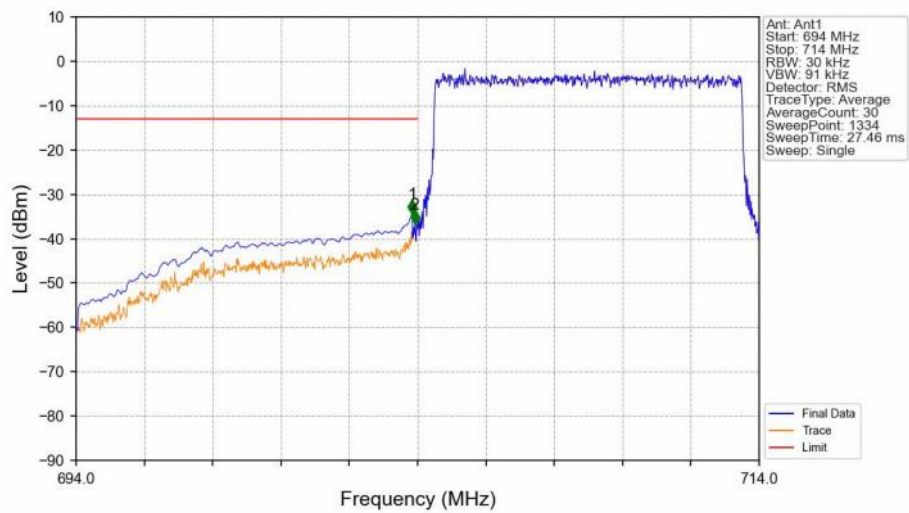
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTV

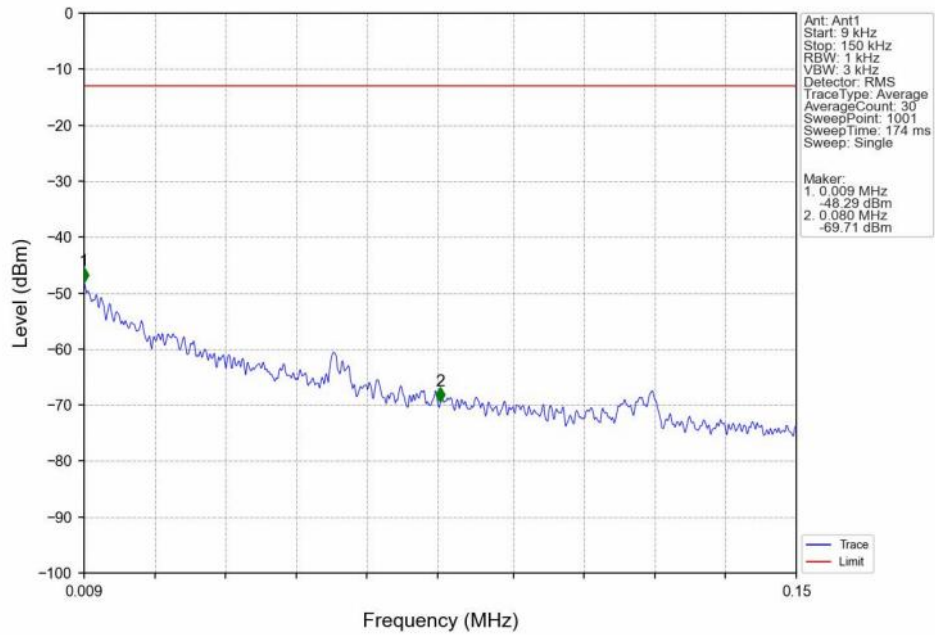


Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTV

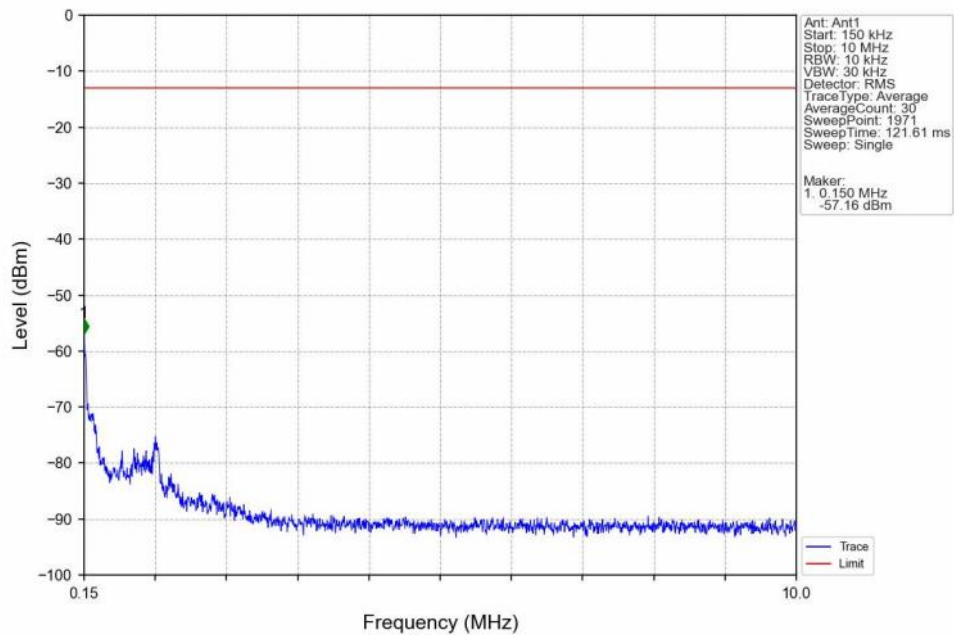


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.32	-13	Pass
703.9	704	0.03	/	2	703.917	-36.82	-13	Pass
704	714	0.03	/	/	/	/	/	/

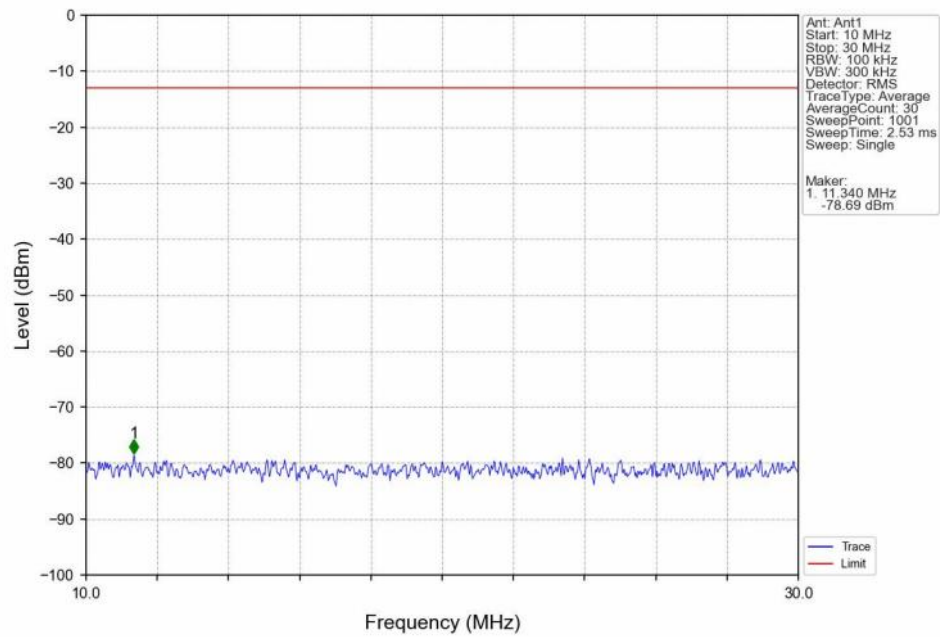
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



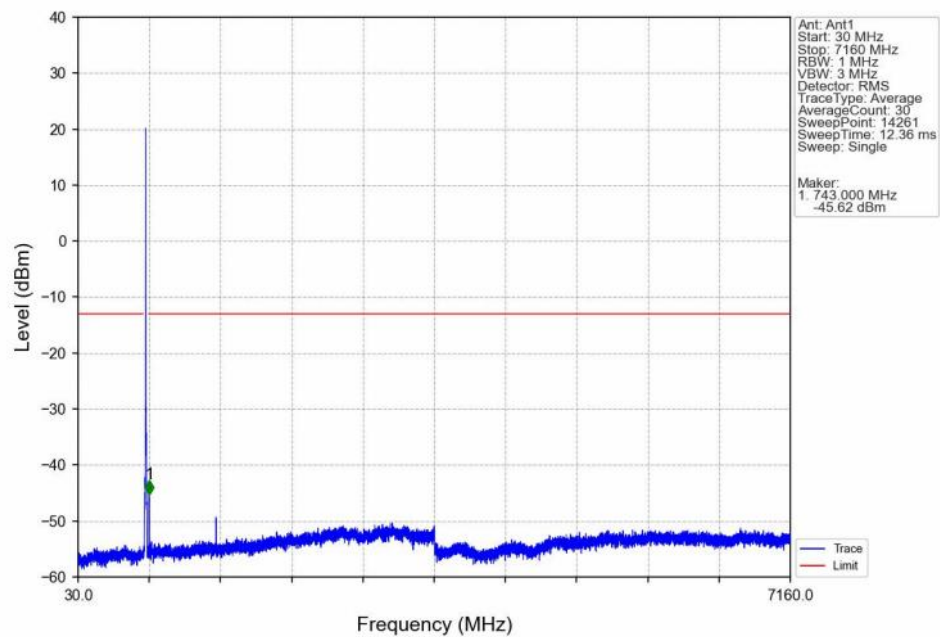
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



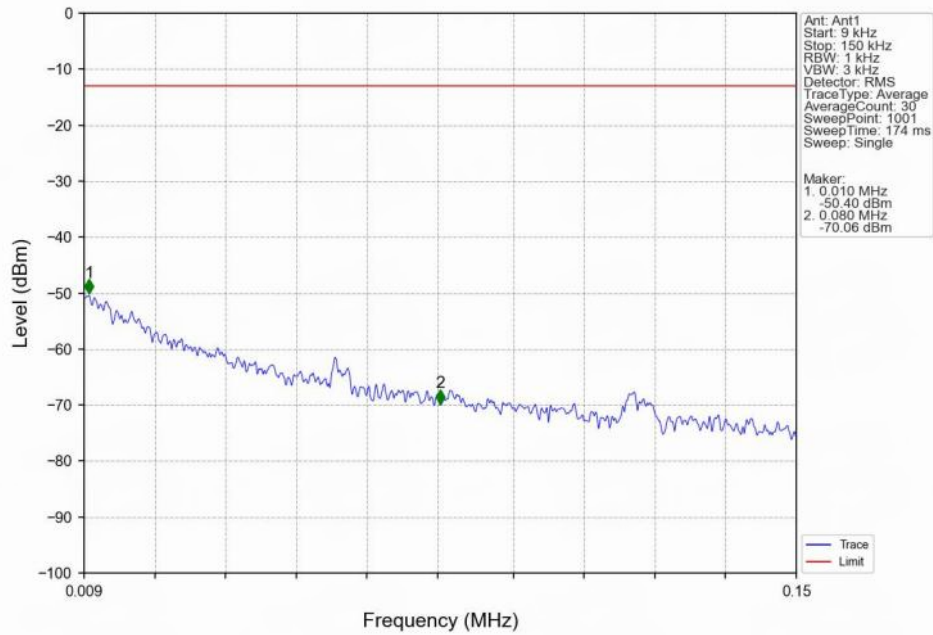
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



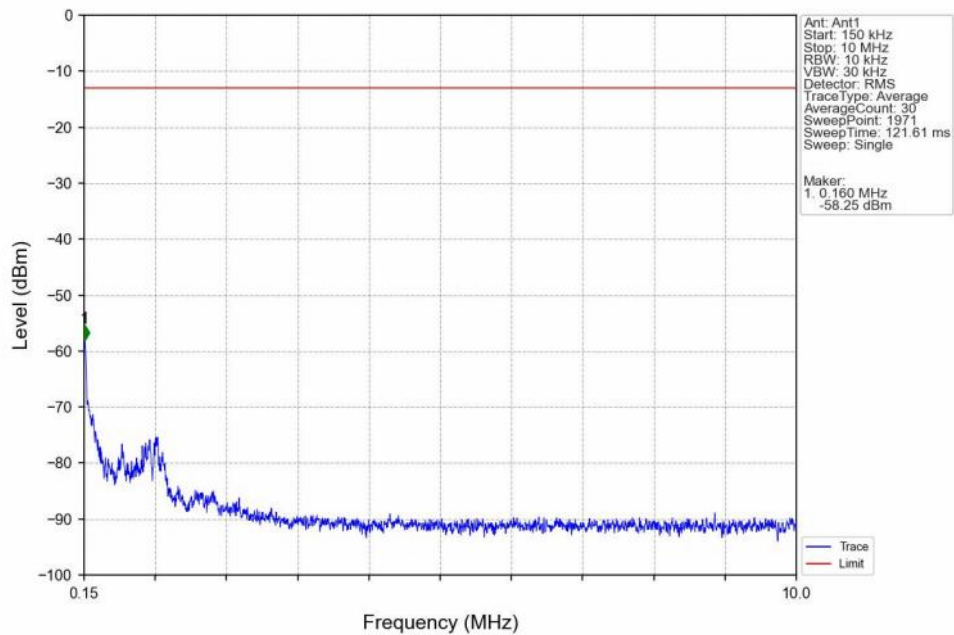
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



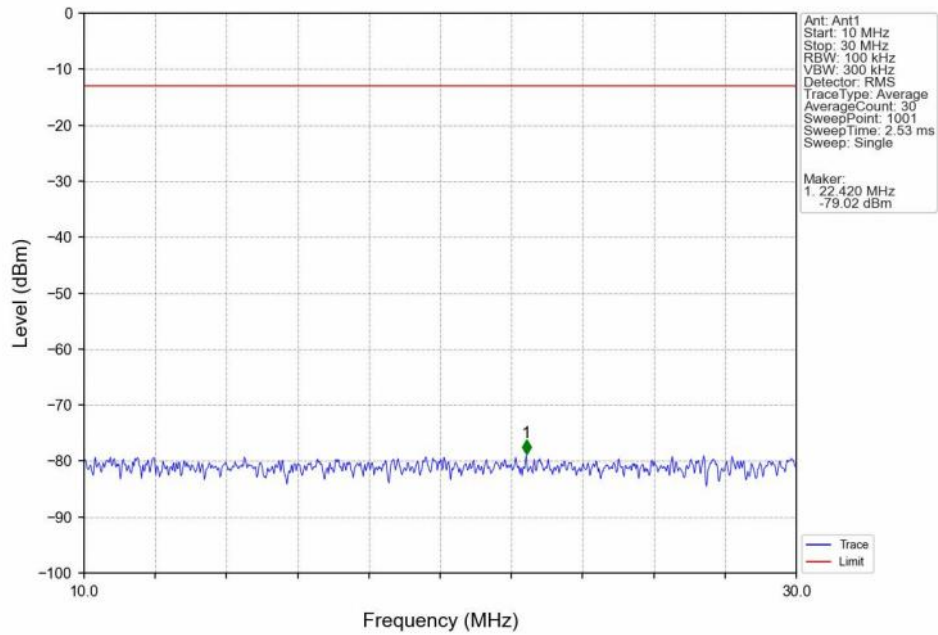
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTV



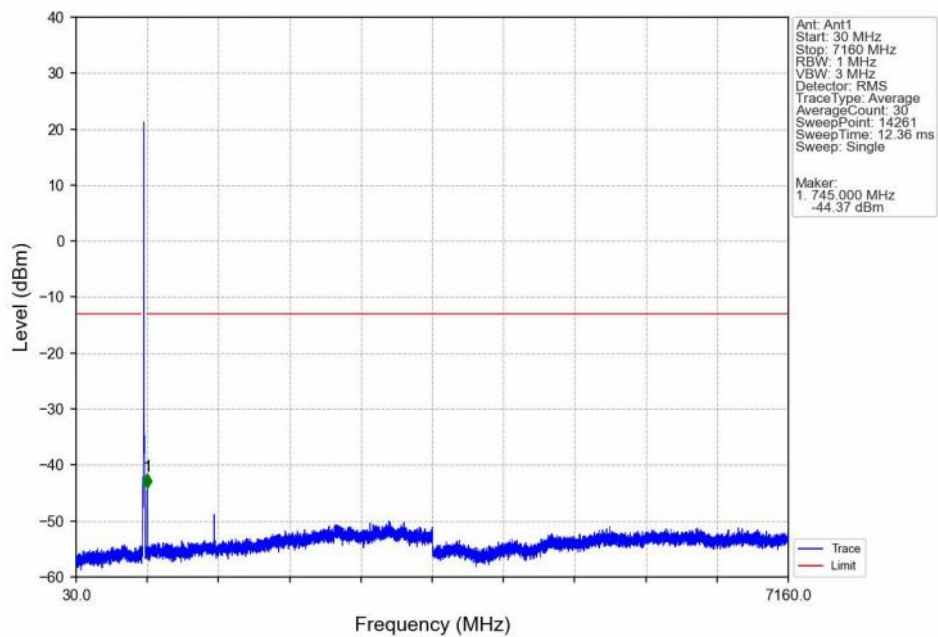
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTV



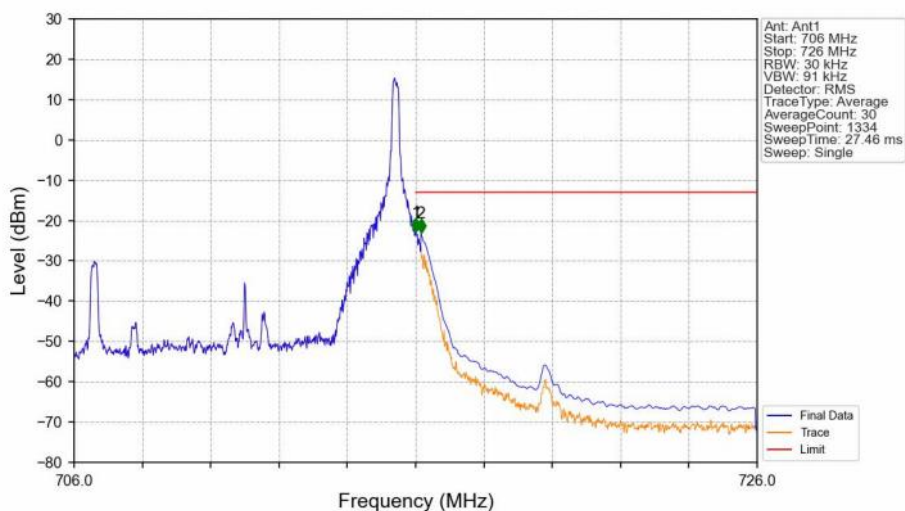
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTV



Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTV

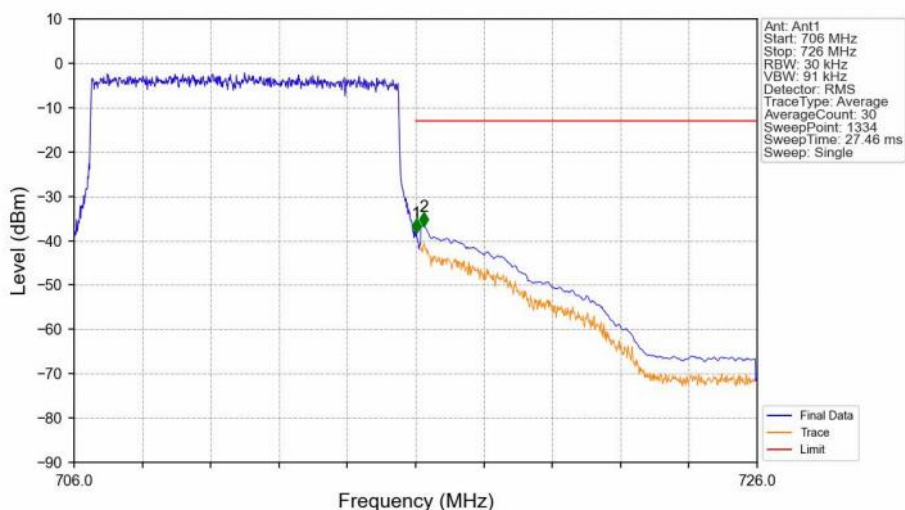


Band17 10MHz 16QAM HCH 711MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-22.84	-13	Pass
716.1	726	0.1	CHP	2	716.158	-23.01	-13	Pass

Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-38.21	-13	Pass
716.1	726	0.1	CHP	2	716.248	-36.70	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1652	0.0156	ppm	4M59G7D	27H	22.18
17	5	706.5	713.5	0.1403	0.0144	ppm	4M57W7D	27H	21.47
17	10	709	711	0.1687	0.0133	ppm	9M10G7D	27H	22.27
17	10	709	711	0.1503	0.0156	ppm	9M10W7D	27H	21.77

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	0.0614	0.0156	ppm	4M59G7D	27H	17.88
17	5	706.5	713.5	0.0521	0.0144	ppm	4M57W7D	27H	17.17
17	10	709	711	0.0627	0.0133	ppm	9M10G7D	27H	17.97
17	10	709	711	0.0558	0.0156	ppm	9M10W7D	27H	17.47