

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	17.93	-1.67	14.11	<=34.77	Pass
			13	17.87	-1.67	14.05	<=34.77	Pass
			24	17.74	-1.67	13.92	<=34.77	Pass
		12	0	16.98	-1.67	13.16	<=34.77	Pass
			6	16.90	-1.67	13.08	<=34.77	Pass
			13	16.85	-1.67	13.03	<=34.77	Pass
		25	0	17.01	-1.67	13.19	<=34.77	Pass
	710	1	0	18.00	-1.67	14.18	<=34.77	Pass
			13	18.04	-1.67	14.22	<=34.77	Pass
			24	17.87	-1.67	14.05	<=34.77	Pass
		12	0	16.91	-1.67	13.09	<=34.77	Pass
			6	16.95	-1.67	13.13	<=34.77	Pass
			13	16.93	-1.67	13.11	<=34.77	Pass
		25	0	16.92	-1.67	13.10	<=34.77	Pass
	713.5	1	0	17.95	-1.67	14.13	<=34.77	Pass
			13	18.20	-1.67	14.38	<=34.77	Pass
			24	18.21	-1.67	14.39	<=34.77	Pass
		12	0	17.05	-1.67	13.23	<=34.77	Pass
			6	17.13	-1.67	13.31	<=34.77	Pass
			13	16.91	-1.67	13.09	<=34.77	Pass
		25	0	17.02	-1.67	13.20	<=34.77	Pass
16QAM	706.5	1	0	17.08	-1.67	13.26	<=34.77	Pass
			13	17.10	-1.67	13.28	<=34.77	Pass
			24	17.19	-1.67	13.37	<=34.77	Pass
		12	0	16.04	-1.67	12.22	<=34.77	Pass
			6	15.79	-1.67	11.97	<=34.77	Pass
			13	15.94	-1.67	12.12	<=34.77	Pass
		25	0	15.84	-1.67	12.02	<=34.77	Pass
	710	1	0	16.29	-1.67	12.47	<=34.77	Pass
			13	16.49	-1.67	12.67	<=34.77	Pass
			24	16.59	-1.67	12.77	<=34.77	Pass
		12	0	15.84	-1.67	12.02	<=34.77	Pass
			6	16.02	-1.67	12.20	<=34.77	Pass
			13	15.99	-1.67	12.17	<=34.77	Pass
		25	0	16.00	-1.67	12.18	<=34.77	Pass
	713.5	1	0	16.87	-1.67	13.05	<=34.77	Pass
			13	17.32	-1.67	13.50	<=34.77	Pass
			24	17.15	-1.67	13.33	<=34.77	Pass
		12	0	16.08	-1.67	12.26	<=34.77	Pass
			6	16.16	-1.67	12.34	<=34.77	Pass
			13	16.16	-1.67	12.34	<=34.77	Pass
		25	0	16.07	-1.67	12.25	<=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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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	18.00	-1.67	14.18	<=34.77	Pass
			25	17.96	-1.67	14.14	<=34.77	Pass
			49	18.18	-1.67	14.36	<=34.77	Pass
		25	0	17.08	-1.67	13.26	<=34.77	Pass
			13	17.10	-1.67	13.28	<=34.77	Pass
			25	17.18	-1.67	13.36	<=34.77	Pass
		50	0	17.07	-1.67	13.25	<=34.77	Pass
	710	1	0	18.05	-1.67	14.23	<=34.77	Pass
			25	18.15	-1.67	14.33	<=34.77	Pass
			49	17.85	-1.67	14.03	<=34.77	Pass
		25	0	16.99	-1.67	13.17	<=34.77	Pass
			13	17.01	-1.67	13.19	<=34.77	Pass
			25	17.08	-1.67	13.26	<=34.77	Pass
		50	0	16.94	-1.67	13.12	<=34.77	Pass
	711	1	0	17.92	-1.67	14.10	<=34.77	Pass
			25	18.05	-1.67	14.23	<=34.77	Pass
			49	17.86	-1.67	14.04	<=34.77	Pass
		25	0	17.04	-1.67	13.22	<=34.77	Pass
			13	17.05	-1.67	13.23	<=34.77	Pass
			25	17.14	-1.67	13.32	<=34.77	Pass
16QAM	709	1	0	17.05	-1.67	13.23	<=34.77	Pass
			25	16.67	-1.67	12.85	<=34.77	Pass
			49	17.08	-1.67	13.26	<=34.77	Pass
		25	0	16.18	-1.67	12.36	<=34.77	Pass
			13	16.22	-1.67	12.40	<=34.77	Pass
			25	16.32	-1.67	12.50	<=34.77	Pass
		50	0	16.12	-1.67	12.30	<=34.77	Pass
	710	1	0	17.37	-1.67	13.55	<=34.77	Pass
			25	17.62	-1.67	13.80	<=34.77	Pass
			49	17.26	-1.67	13.44	<=34.77	Pass
		25	0	16.07	-1.67	12.25	<=34.77	Pass
			13	16.26	-1.67	12.44	<=34.77	Pass
			25	16.14	-1.67	12.32	<=34.77	Pass
		50	0	16.01	-1.67	12.19	<=34.77	Pass
	711	1	0	17.22	-1.67	13.40	<=34.77	Pass
			25	17.18	-1.67	13.36	<=34.77	Pass
			49	17.20	-1.67	13.38	<=34.77	Pass
		25	0	15.96	-1.67	12.14	<=34.77	Pass
			13	16.26	-1.67	12.44	<=34.77	Pass
			25	16.23	-1.67	12.41	<=34.77	Pass
		50	0	16.20	-1.67	12.38	<=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	-0.873	-0.0012	-2.5 to 2.5	Pass

					3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
					4.43	-1.702	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-1.817	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-2.804	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.289	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-2.103	-0.0030	-2.5 to 2.5	Pass
	710	25	0	20	3.27	0.143	0.0002	-2.5 to 2.5	Pass
					3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
					4.43	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.830	0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.715	0.0010	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	1.516	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.100	0.0001	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-2.046	-0.0029	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-2.761	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.717	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-0.358	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
					4.43	1.159	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.472	0.0007	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.172	0.0002	-2.5 to 2.5	Pass
					3.85	0.558	0.0008	-2.5 to 2.5	Pass
				-30	4.43	0.401	0.0006	-2.5 to 2.5	Pass
					3.85	0.772	0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0004	-2.5 to 2.5	Pass

				-10	3.85	1.187	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.059	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.230	0.0017	-2.5 to 2.5	Pass
				30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.772	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0004	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	-0.544	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.659	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.717	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
	710	50	0	20	3.27	0.758	0.0011	-2.5 to 2.5	Pass
					3.85	0.386	0.0005	-2.5 to 2.5	Pass
					4.43	0.887	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.616	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.144	0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.861	-0.0040	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0025	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.446	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-2.232	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-2.203	-0.0031	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-1.574	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.644	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				50	3.85	0.072	0.0001	-2.5 to 2.5	Pass
	710	50	0	20	3.27	1.631	0.0023	-2.5 to 2.5	Pass

					3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.529	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.144	0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	1.159	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.758	0.0011	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.675	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.688	-0.0024	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.360	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

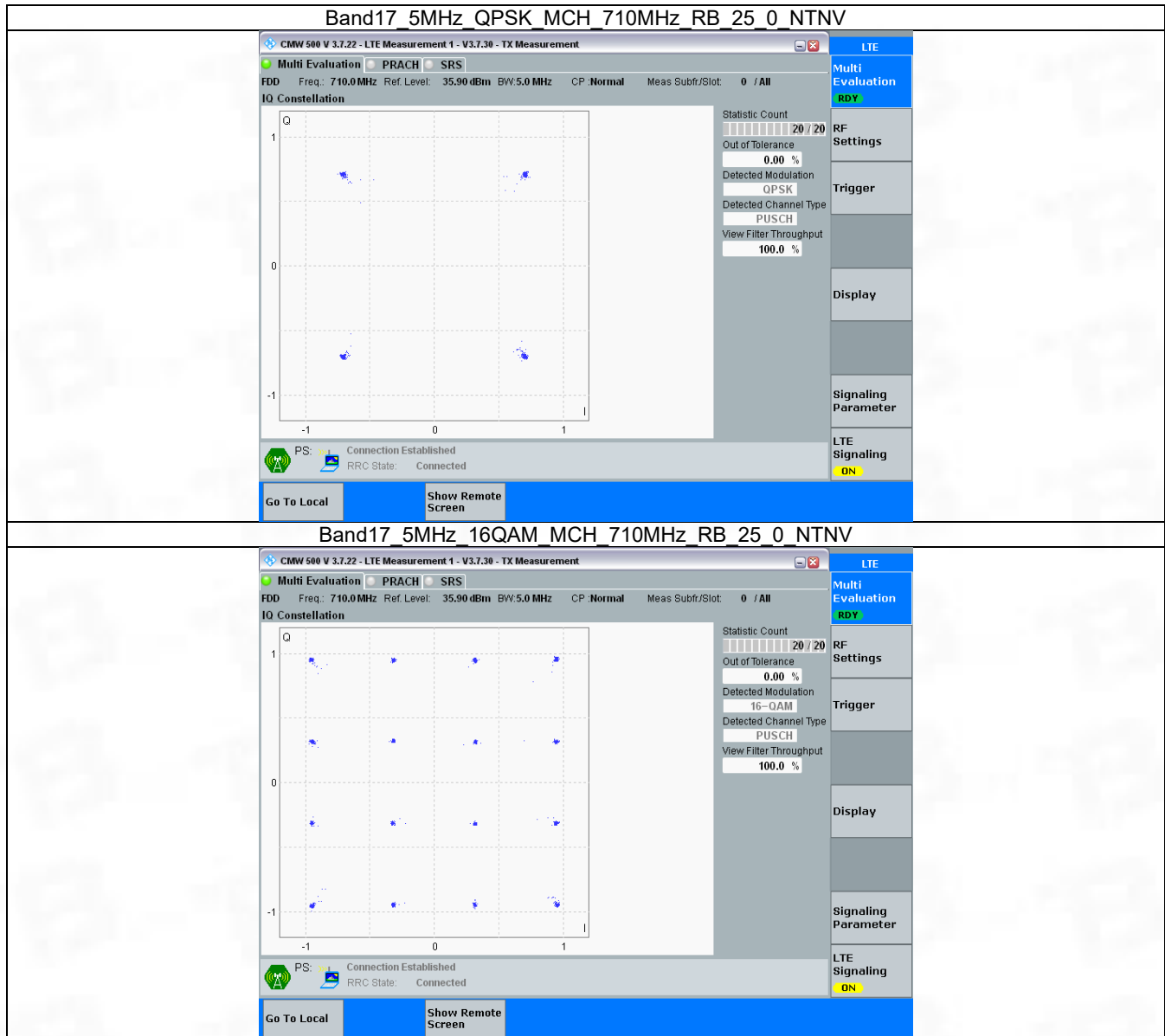
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

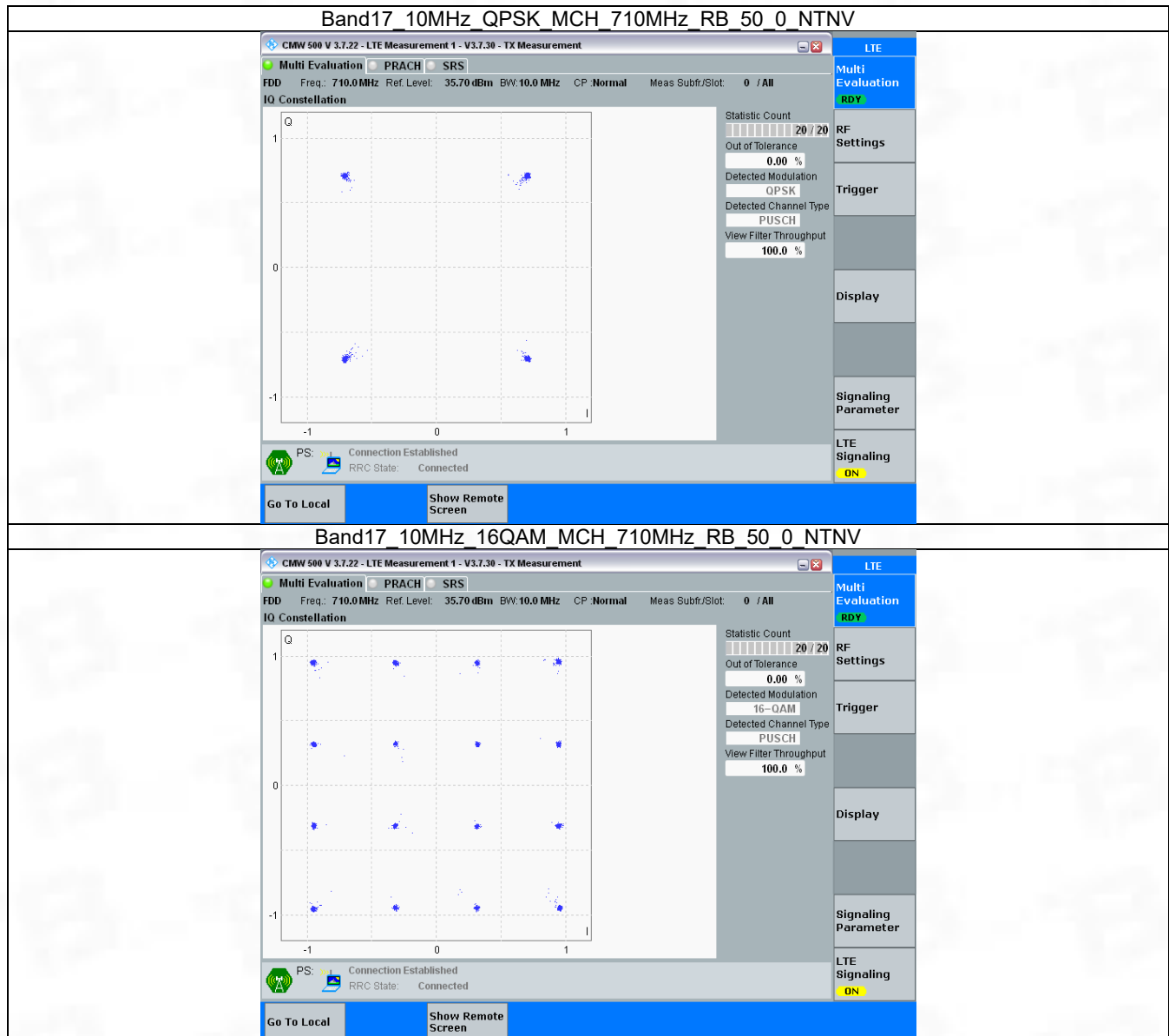
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

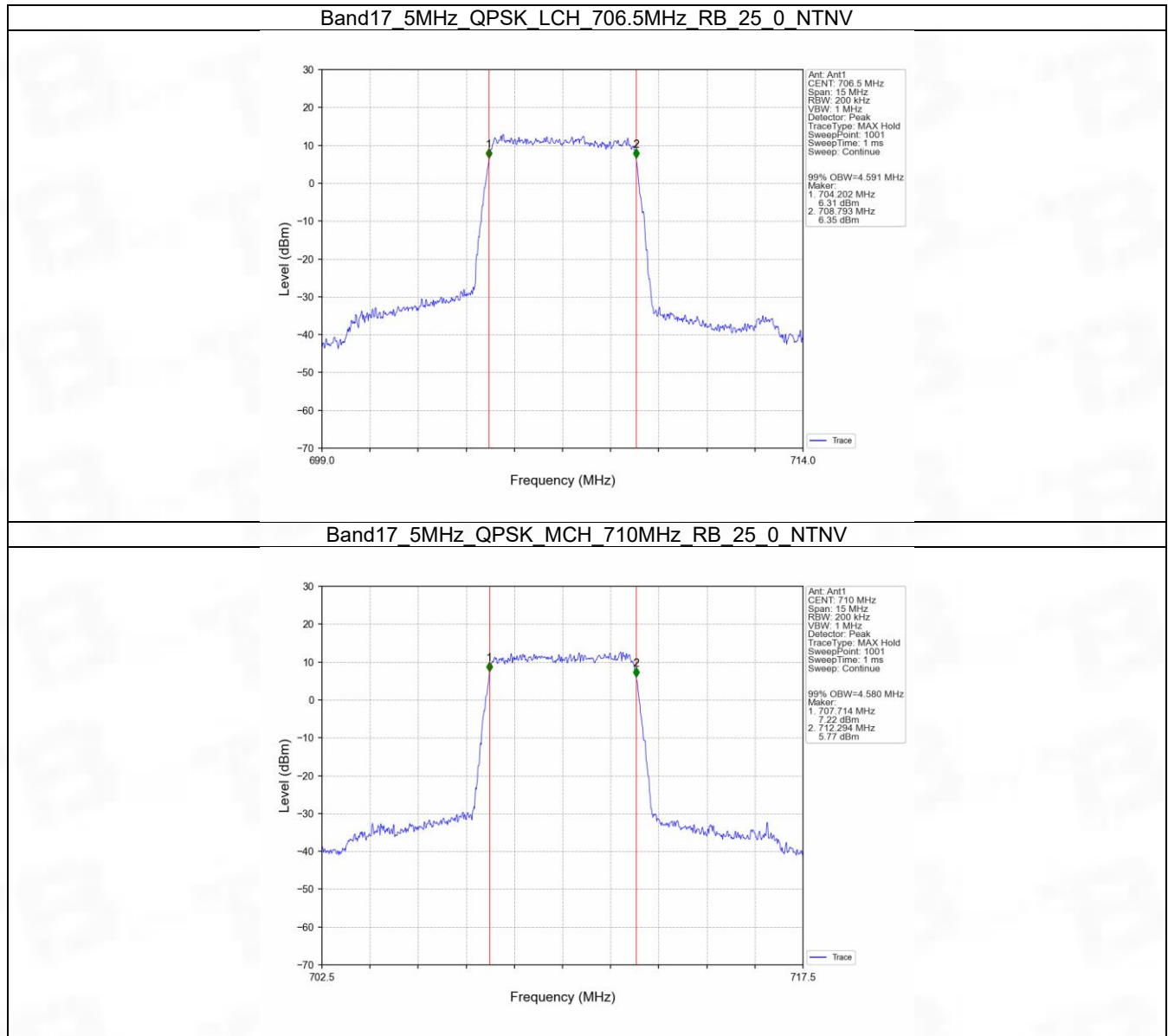
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.591	/	Pass
		710	25	0	4.580	/	Pass
		713.5	25	0	4.584	/	Pass
	16QAM	706.5	25	0	4.601	/	Pass
		710	25	0	4.603	/	Pass
		713.5	25	0	4.580	/	Pass
10	QPSK	709	50	0	9.074	/	Pass
		710	50	0	9.047	/	Pass
		711	50	0	9.067	/	Pass
	16QAM	709	50	0	9.068	/	Pass
		710	50	0	9.038	/	Pass
		711	50	0	9.037	/	Pass

4.1.2 Band17_XDB

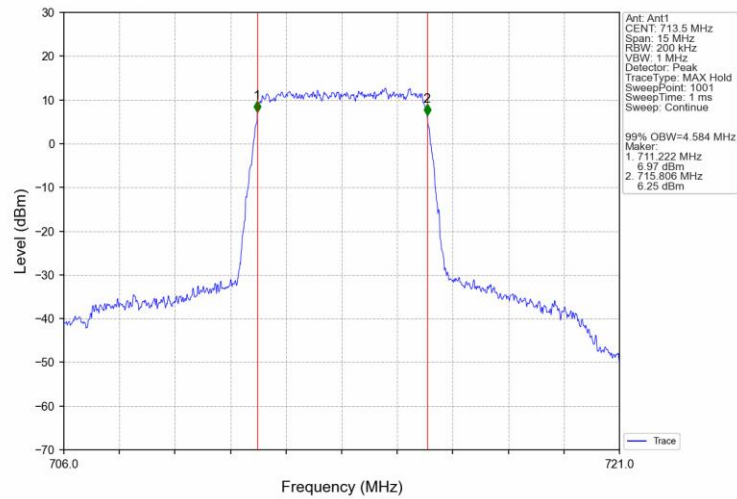
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.160	/	Pass
		710	25	0	5.169	/	Pass
		713.5	25	0	5.168	/	Pass
	16QAM	706.5	25	0	5.145	/	Pass
		710	25	0	5.191	/	Pass
		713.5	25	0	5.142	/	Pass
10	QPSK	709	50	0	10.071	/	Pass
		710	50	0	10.115	/	Pass
		711	50	0	10.015	/	Pass
	16QAM	709	50	0	10.013	/	Pass
		710	50	0	10.062	/	Pass
		711	50	0	10.002	/	Pass

4.2 Test Graph

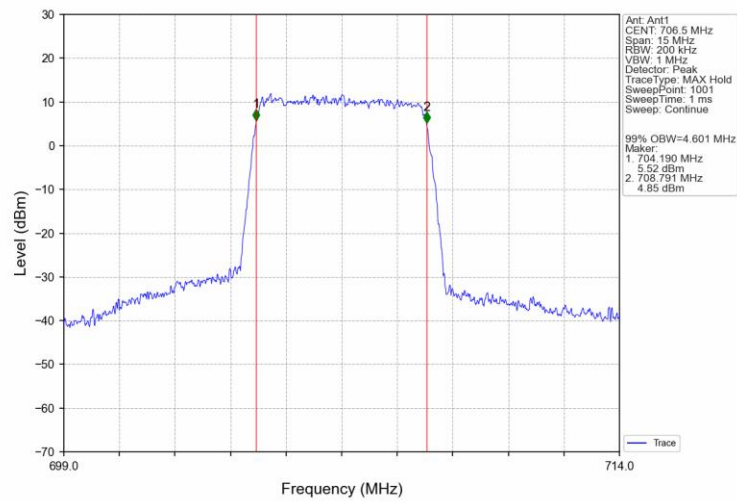
4.2.1 Band17_OBW



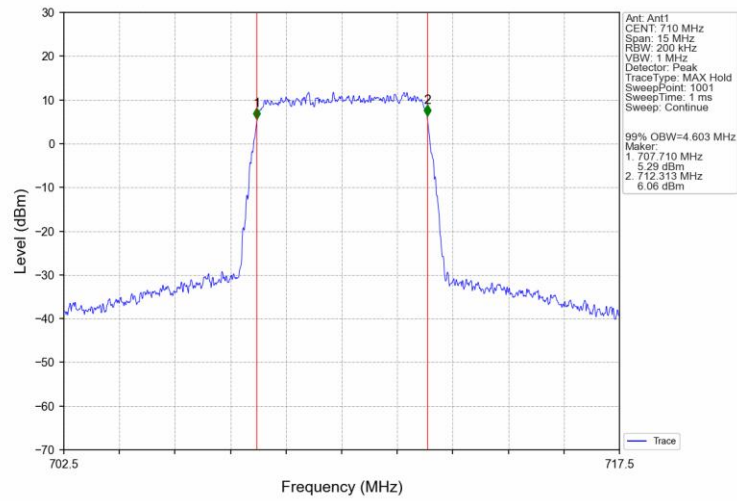
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



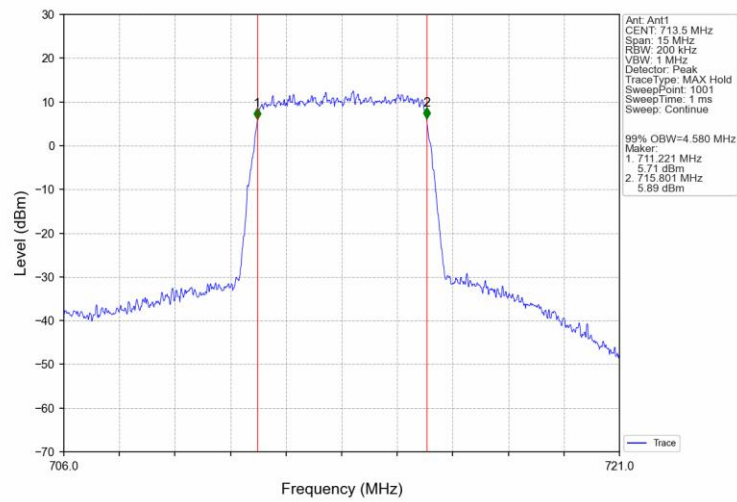
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



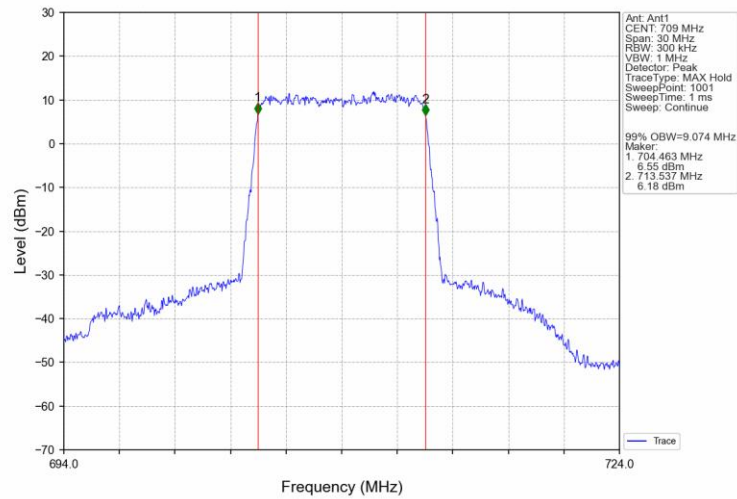
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



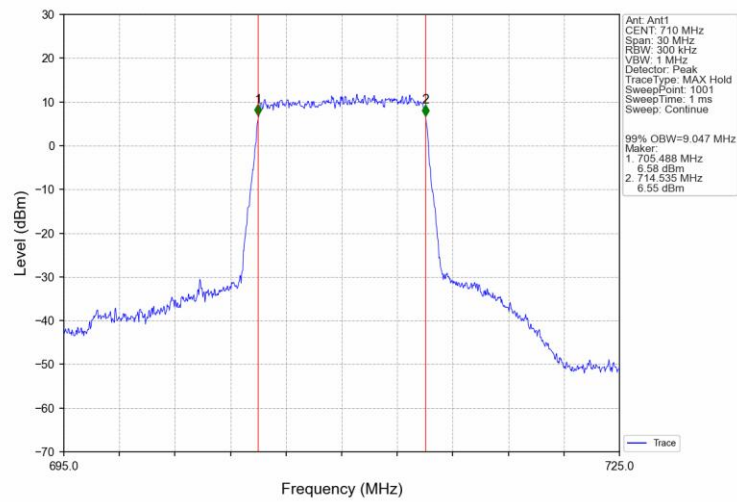
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



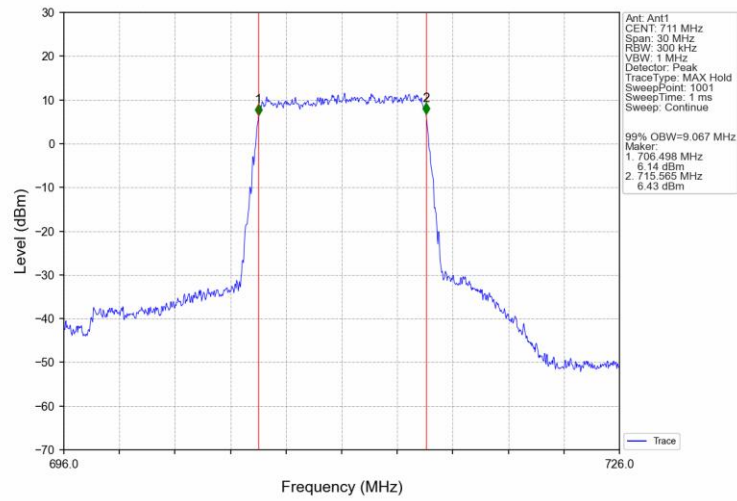
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



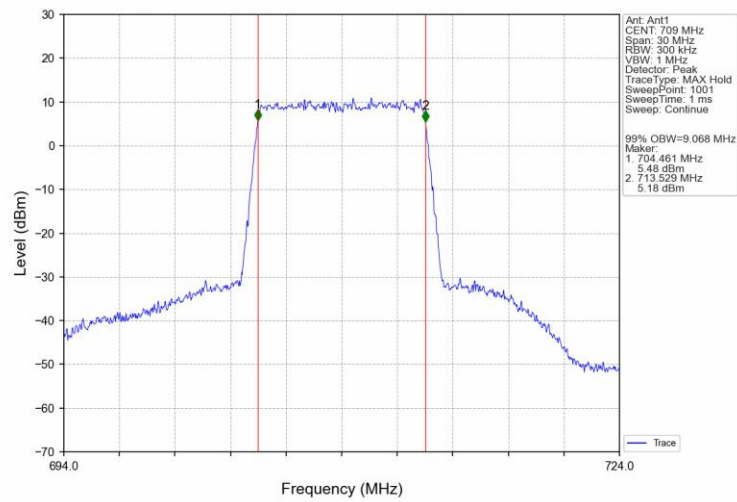
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



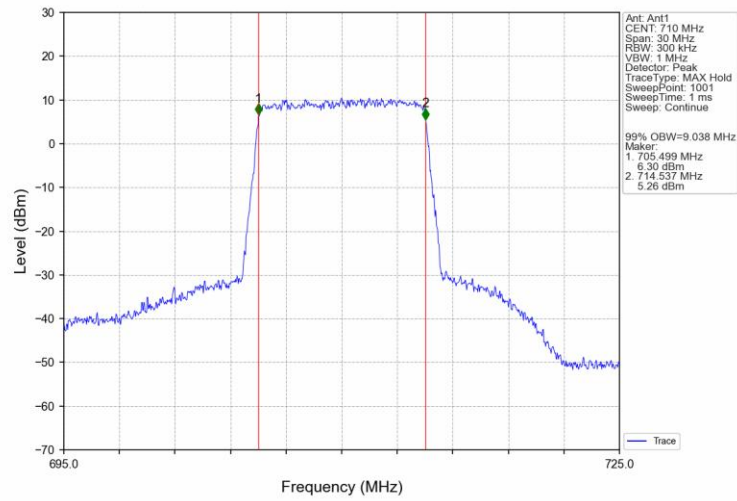
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



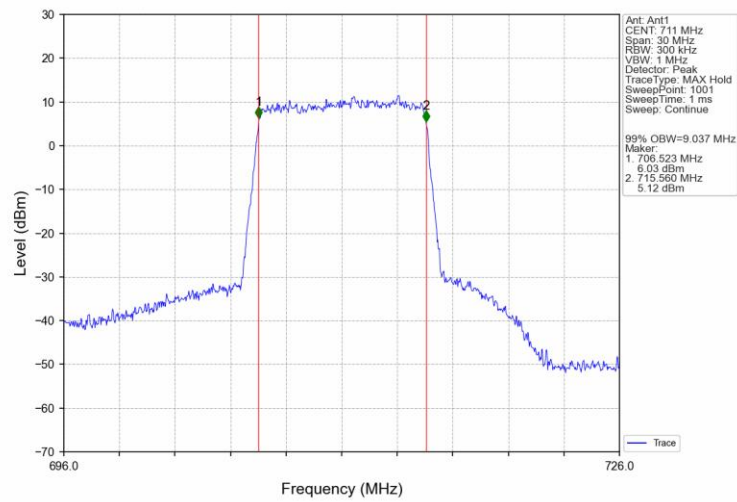
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



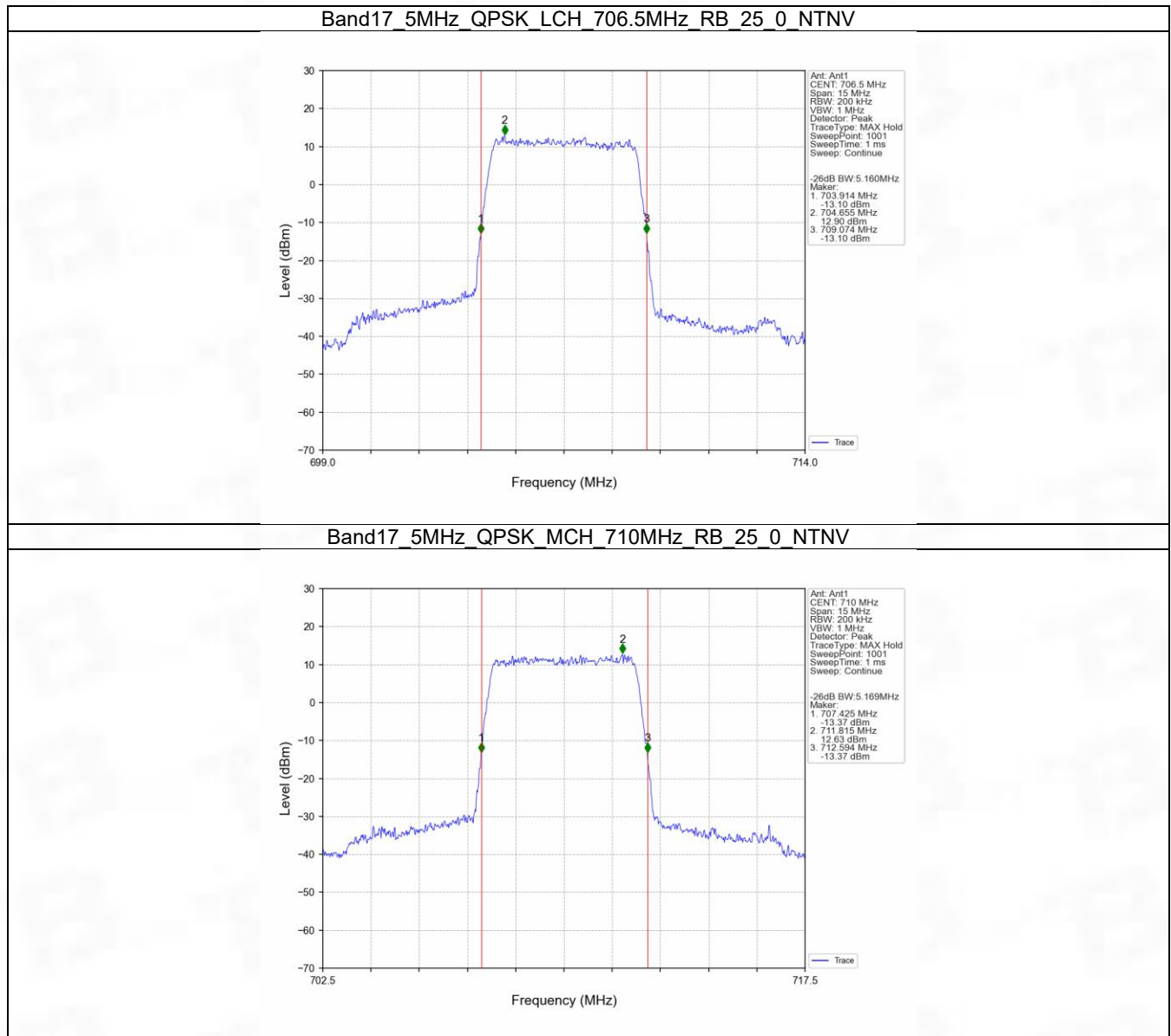
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTV



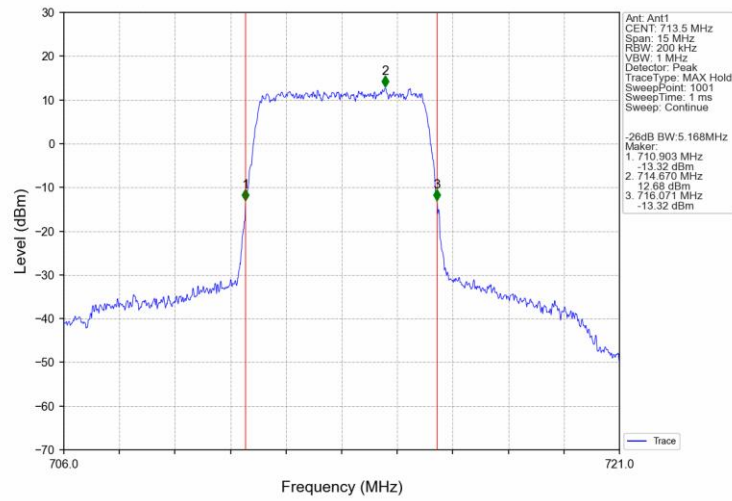
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTV



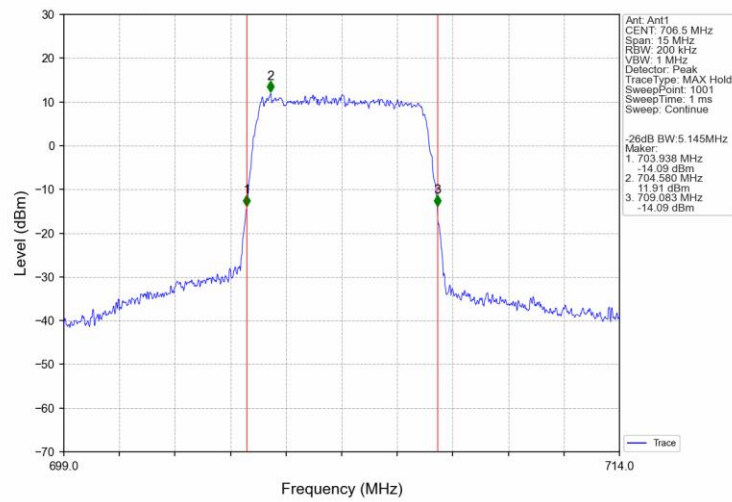
4.2.2 Band17_XDB



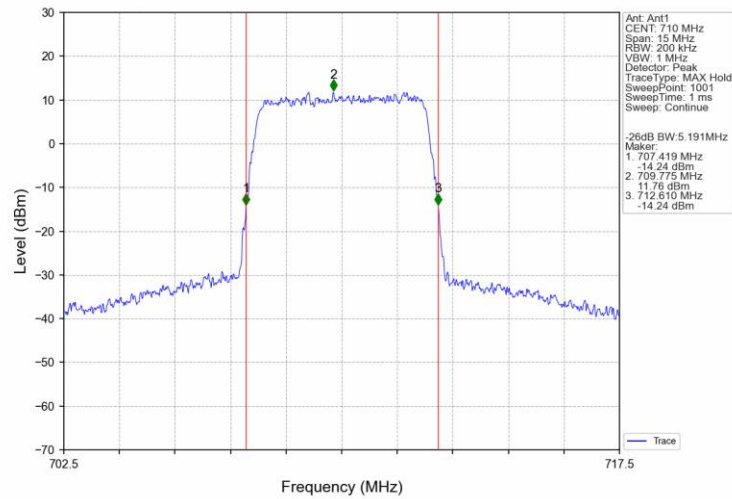
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



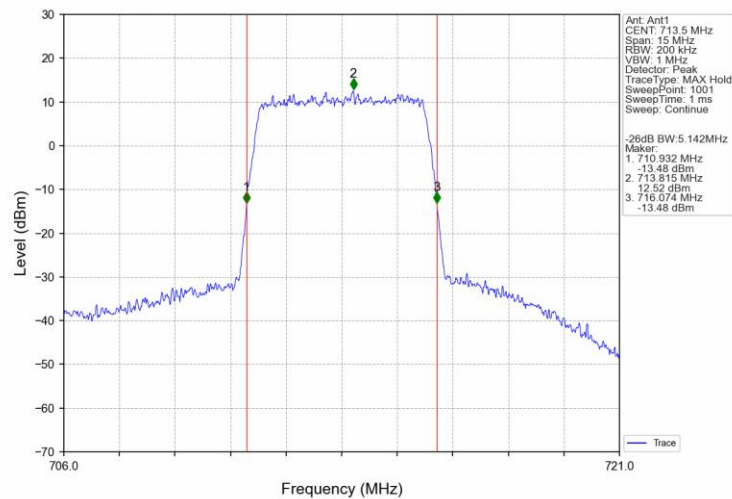
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



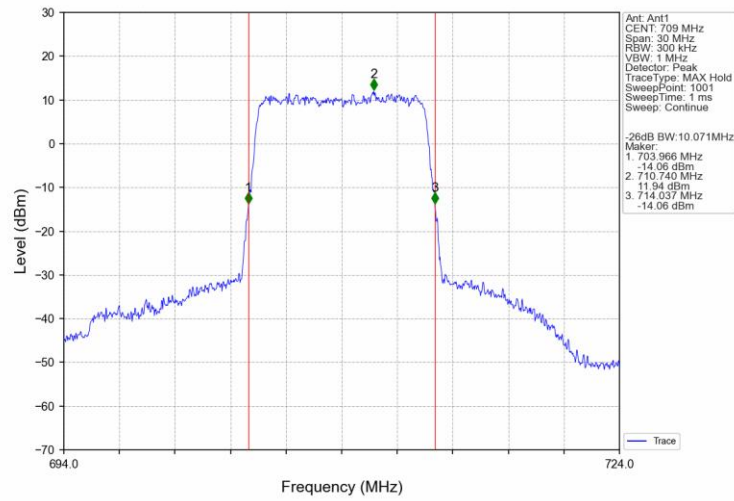
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



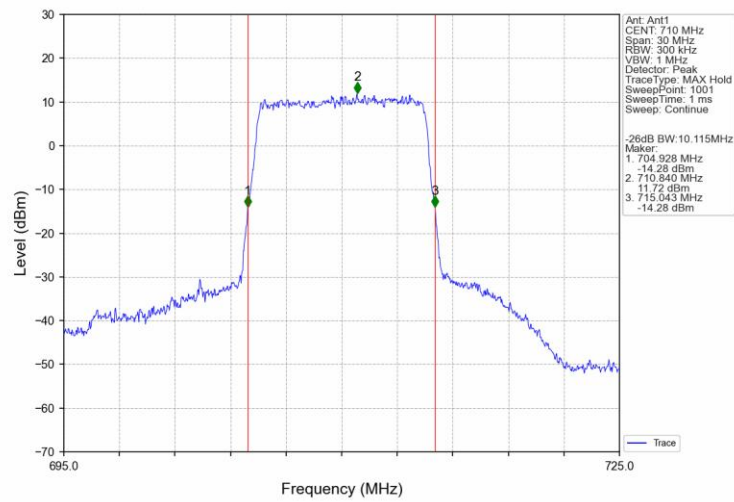
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



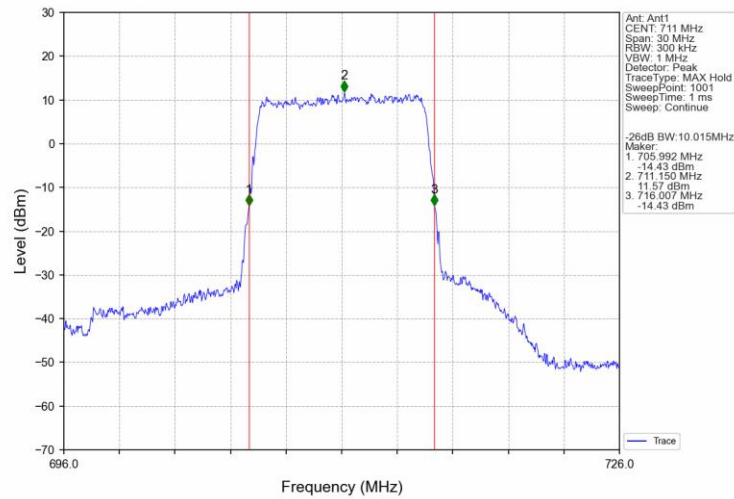
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



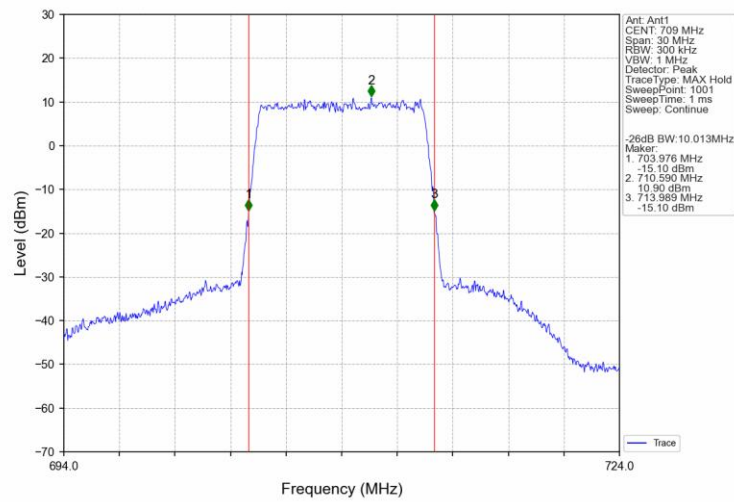
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



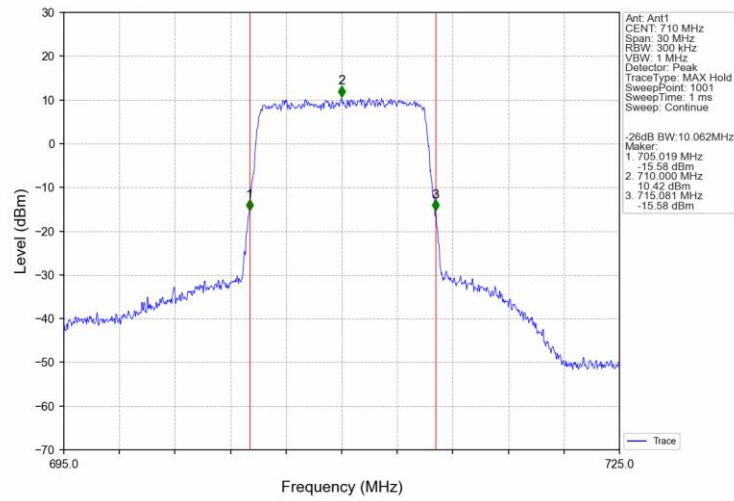
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



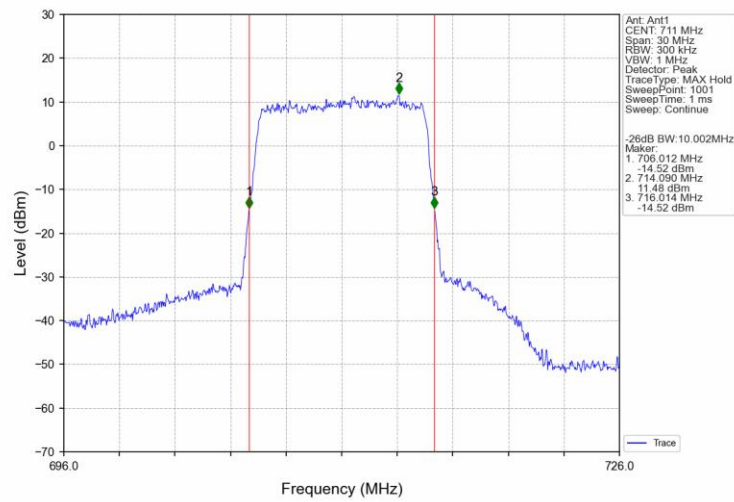
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



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

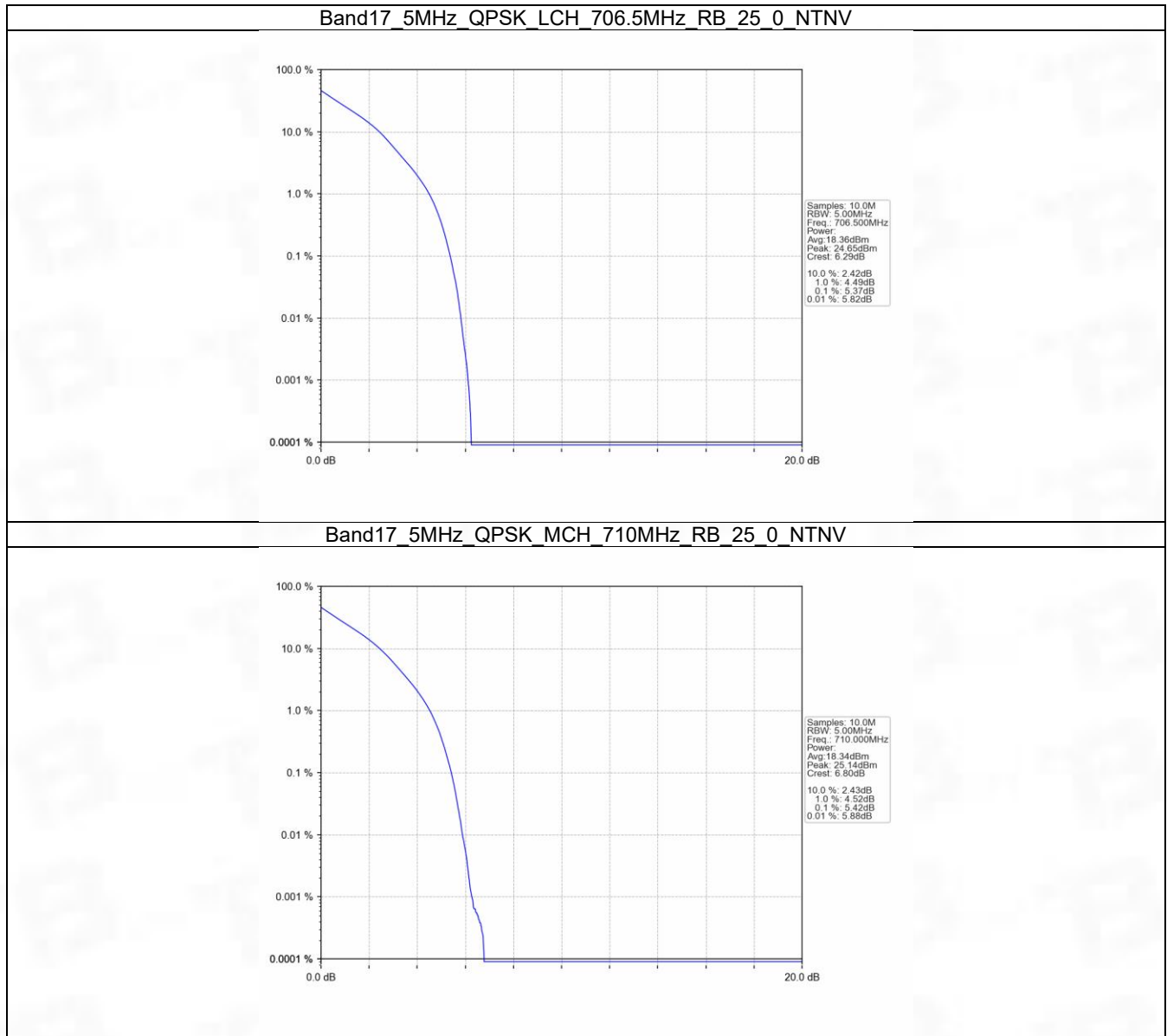
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.37	<=13	Pass
	710	25	0	5.42	<=13	Pass
	713.5	25	0	5.37	<=13	Pass
16QAM	706.5	25	0	6.18	<=13	Pass
	710	25	0	6.17	<=13	Pass
	713.5	25	0	6.16	<=13	Pass

5.1.2 B17_10MHz

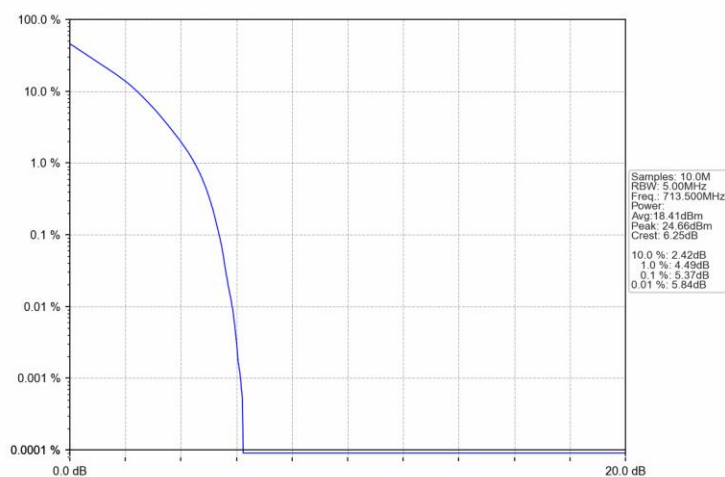
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.45	<=13	Pass
	710	50	0	5.45	<=13	Pass
	711	50	0	5.43	<=13	Pass
16QAM	709	50	0	6.20	<=13	Pass
	710	50	0	6.23	<=13	Pass
	711	50	0	6.19	<=13	Pass

5.2 Test Graph

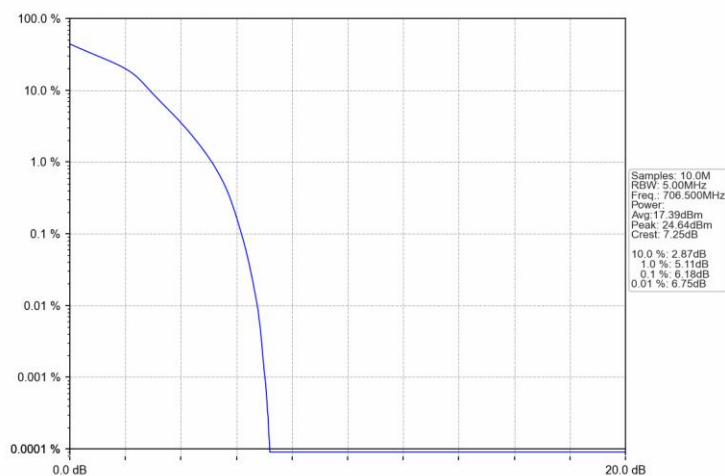
5.2.1 B17_5MHz



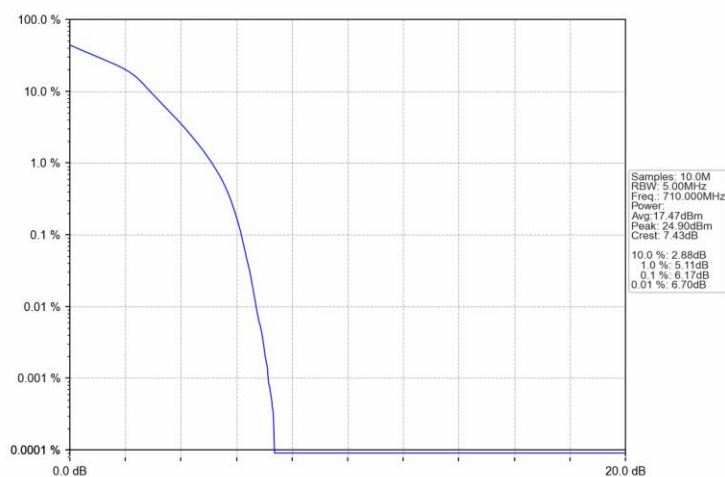
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



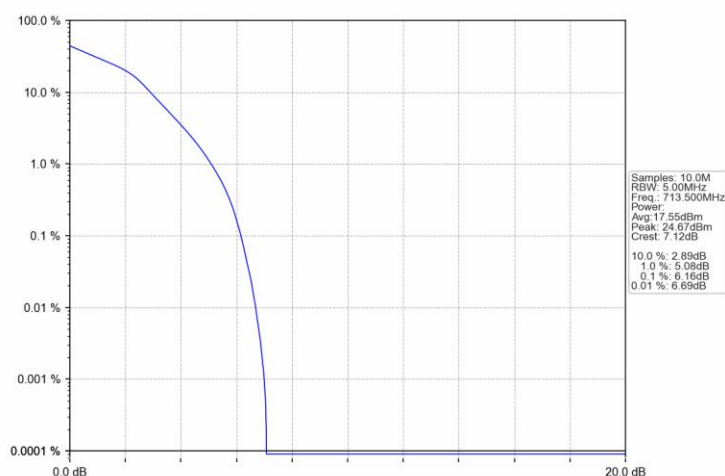
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

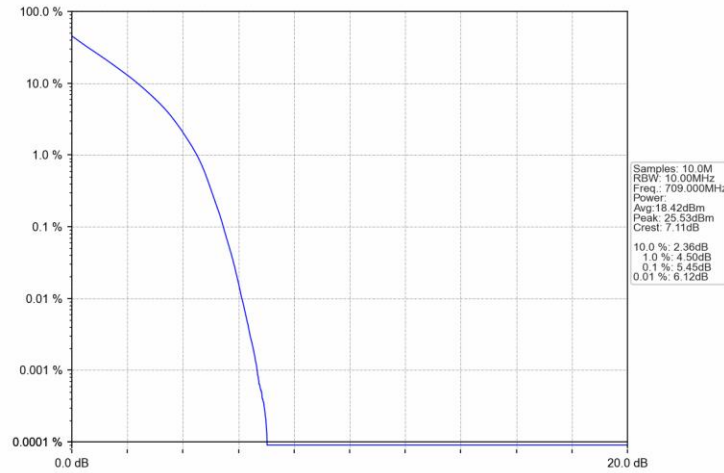


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

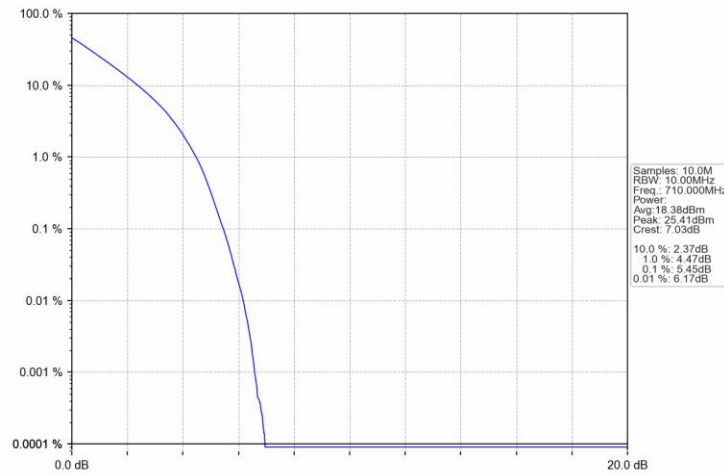


5.2.2 B17_10MHz

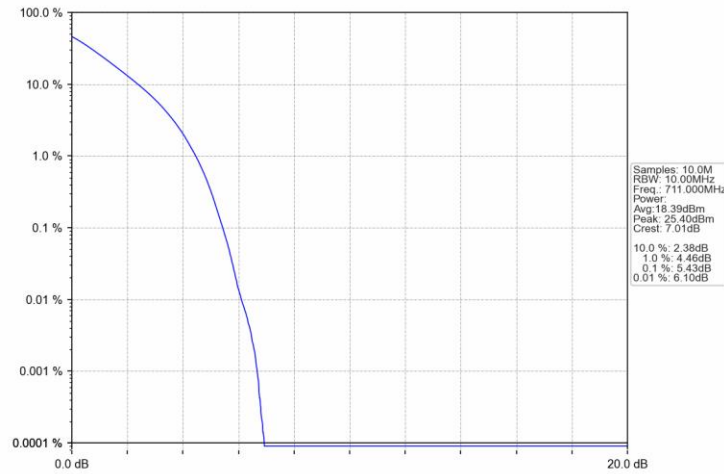
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



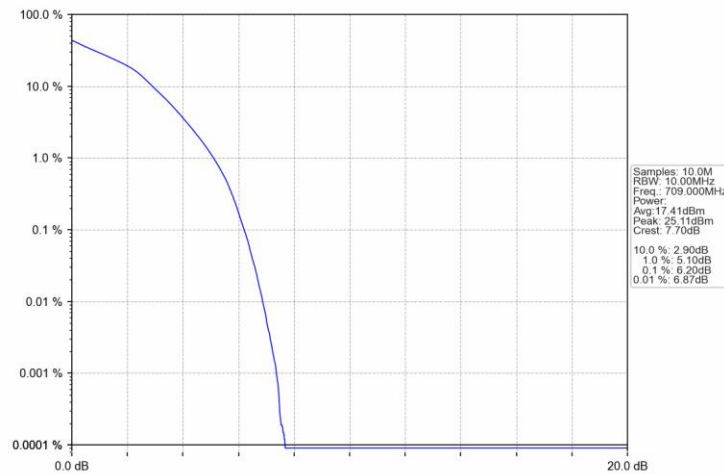
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



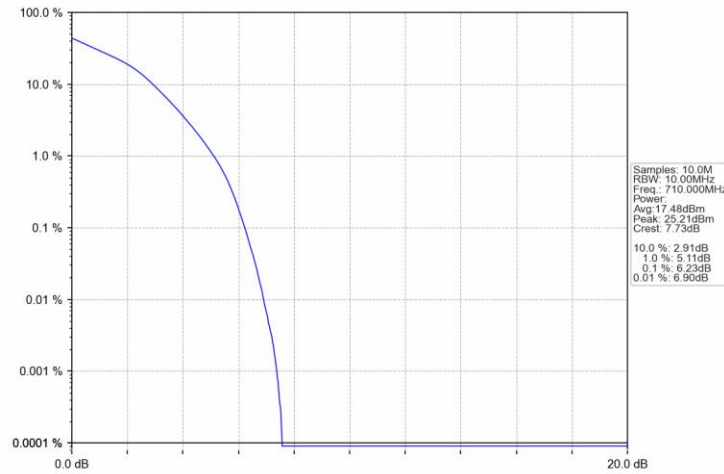
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



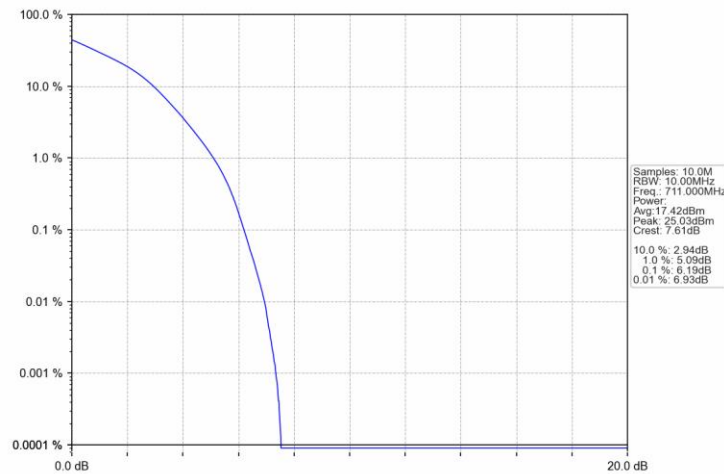
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



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

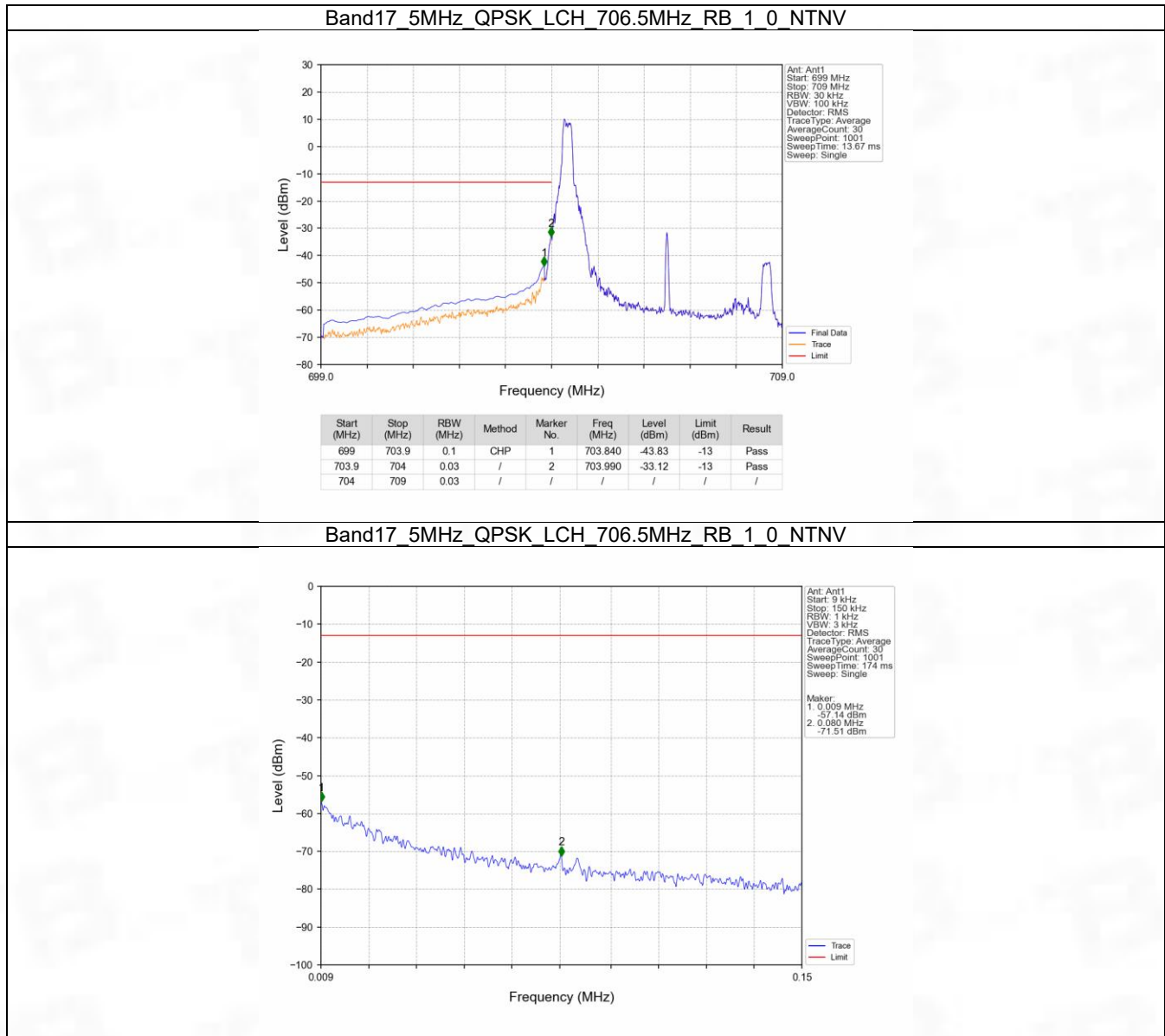
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.2 B17_10MHz

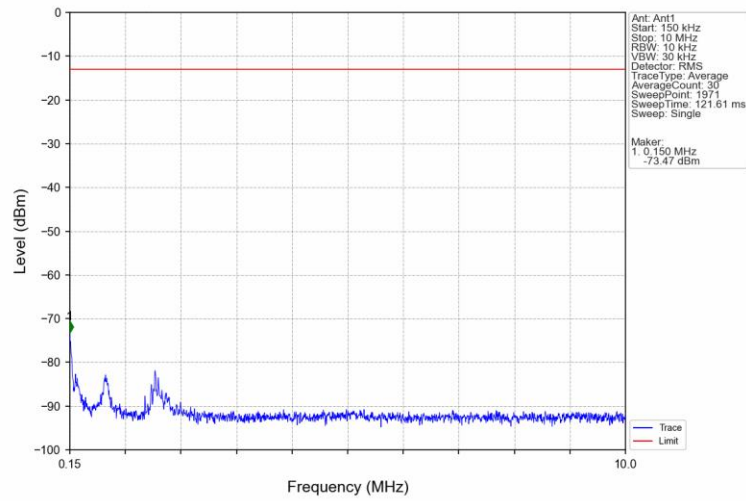
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

6.2 Test Graph

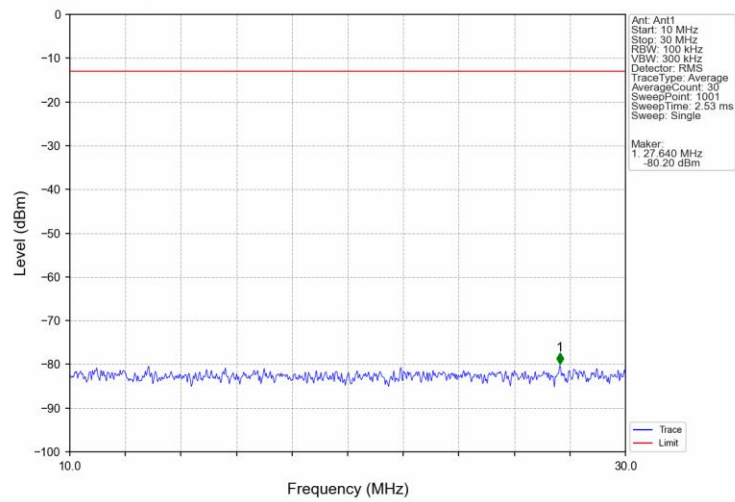
6.2.1 B17_5MHz



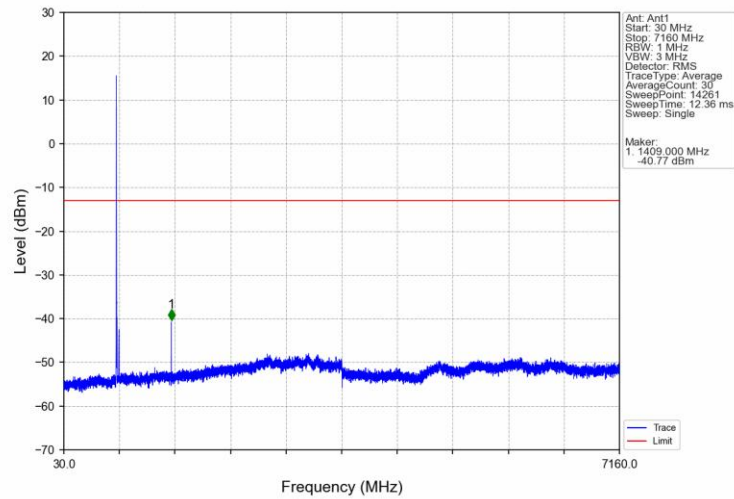
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



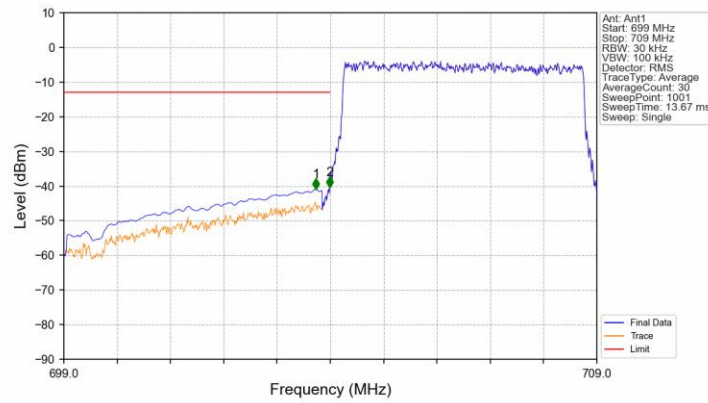
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV

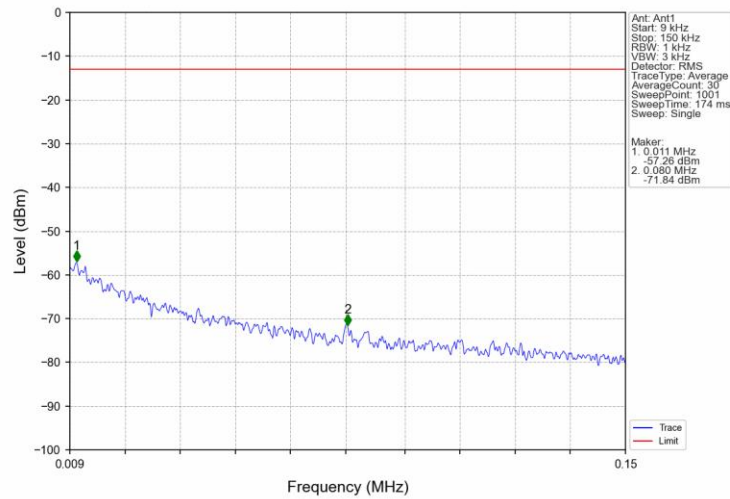


Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV

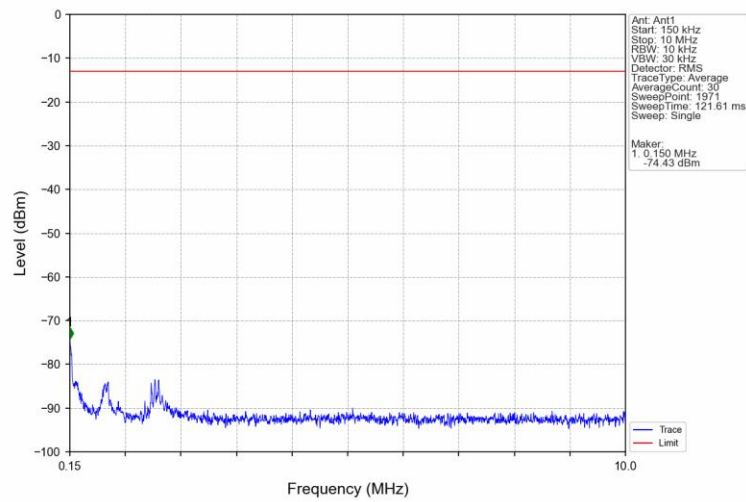


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	ChP	1	703.730	-41.00	-13	Pass
703.9	704	0.03	/	2	703.990	-40.46	-13	Pass
704	709	0.03	/	/	/	/	/	/

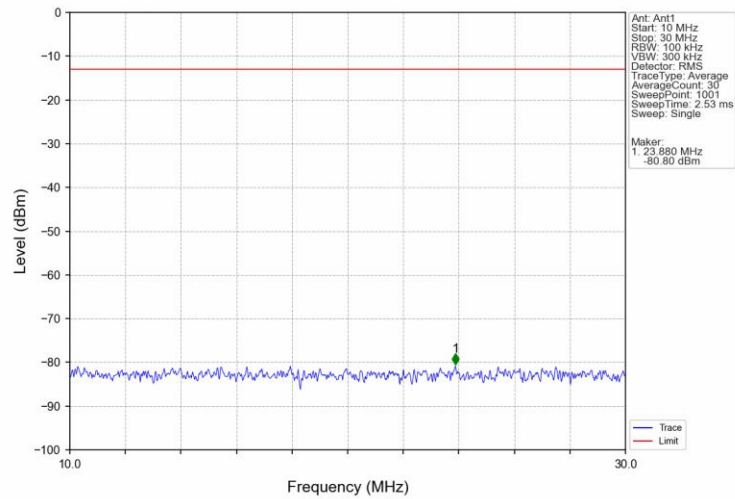
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



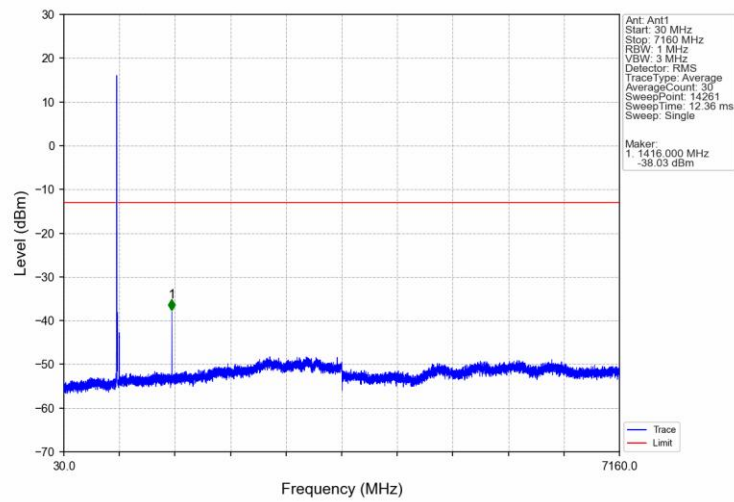
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



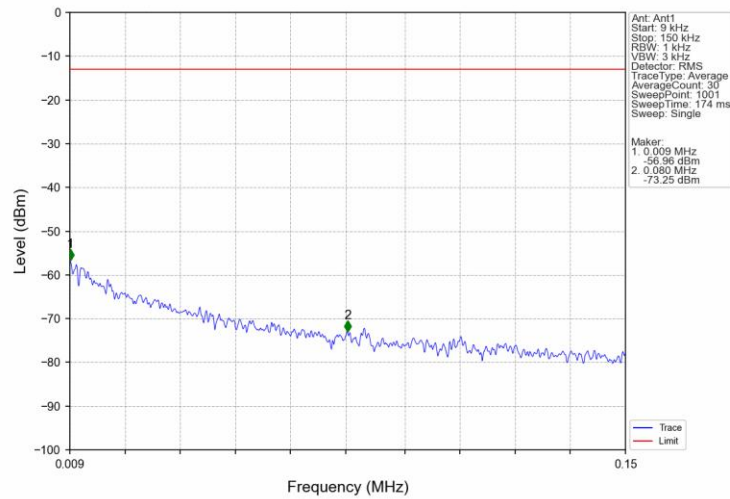
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



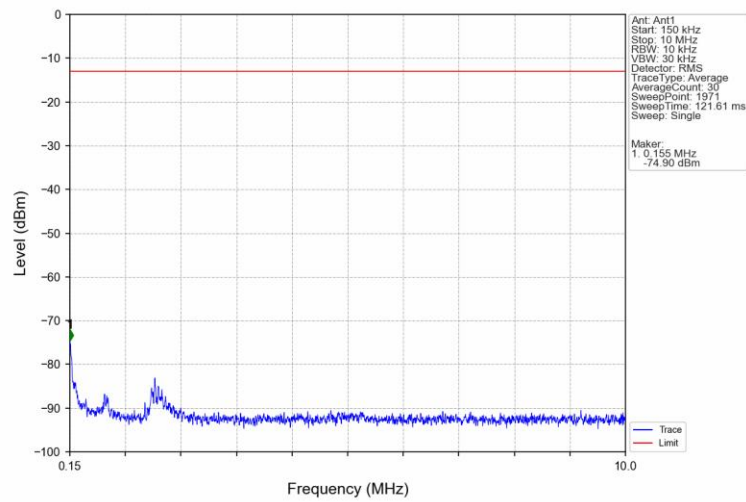
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



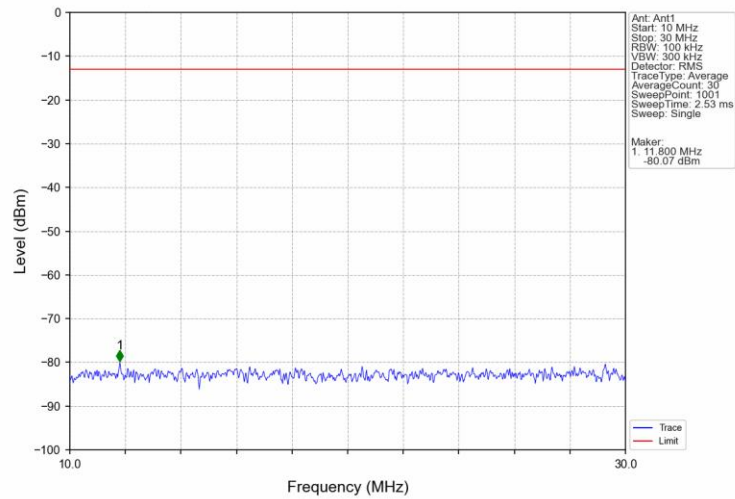
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



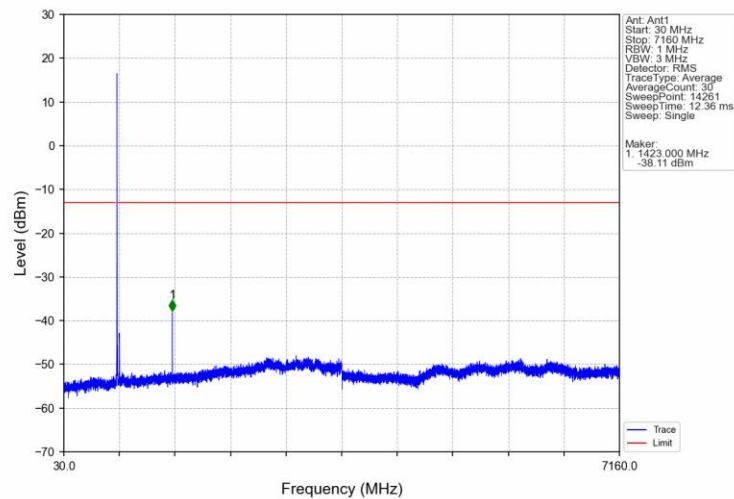
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



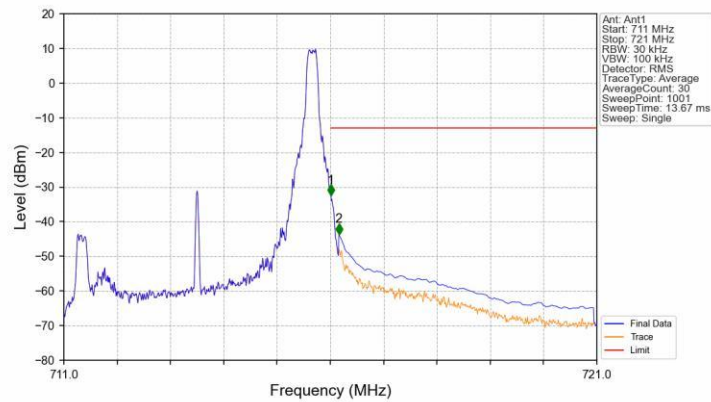
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

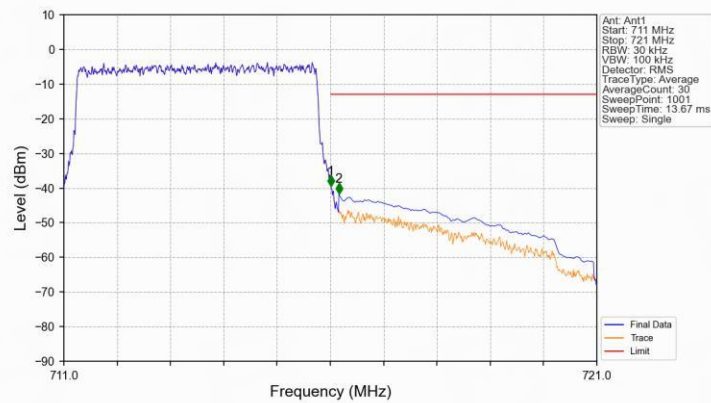


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



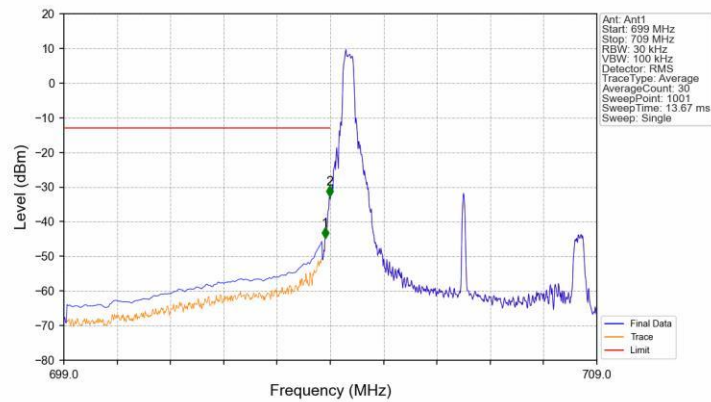
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-32.40	-13	Pass
716.1	721	0.1	CHP	2	716.160	-43.61	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



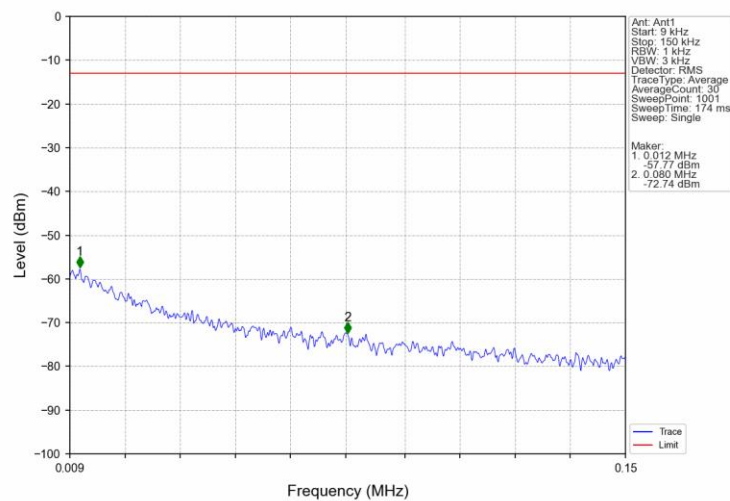
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-39.52	-13	Pass
716.1	721	0.1	CHP	2	716.160	-41.73	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

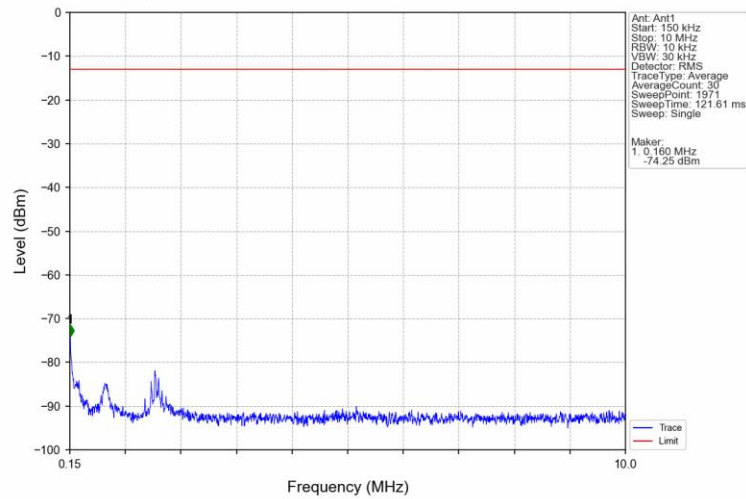


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.900	-44.73	-13	Pass
703.9	704	0.03	/	2	703.990	-32.77	-13	Pass
704	709	0.03	/	/	/	/	/	/

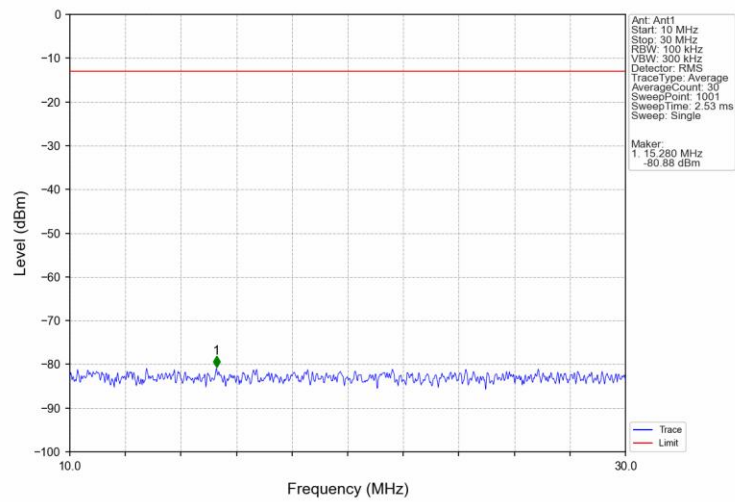
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



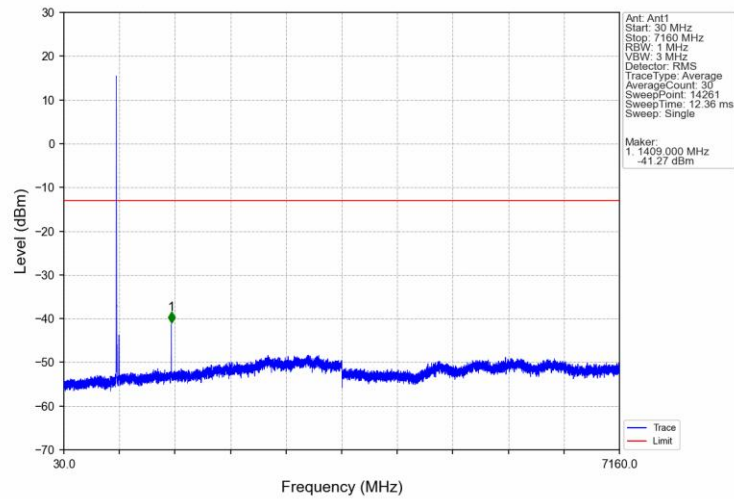
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



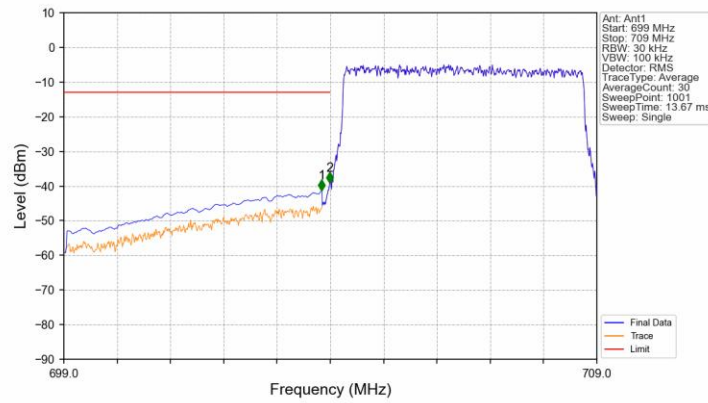
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

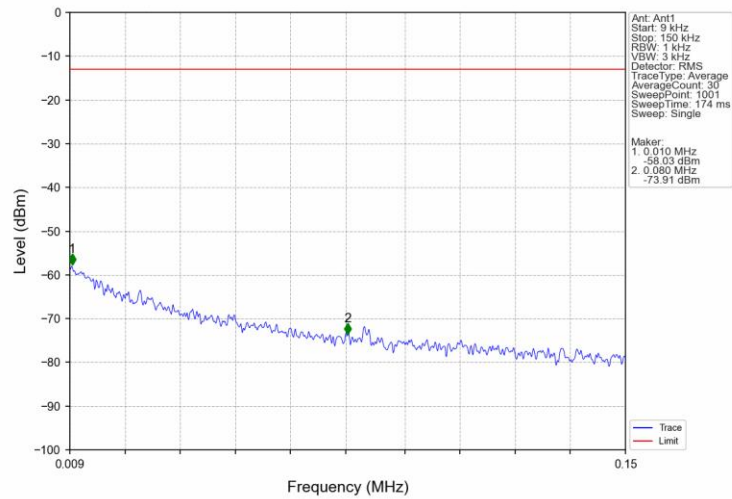


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

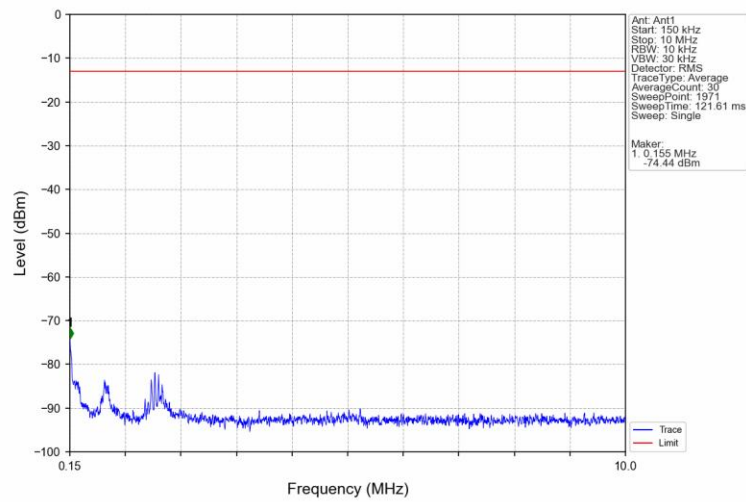


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-41.28	-13	Pass
703.9	704	0.03	/	2	703.990	-39.11	-13	Pass
704	709	0.03	/	/	/	/	/	/

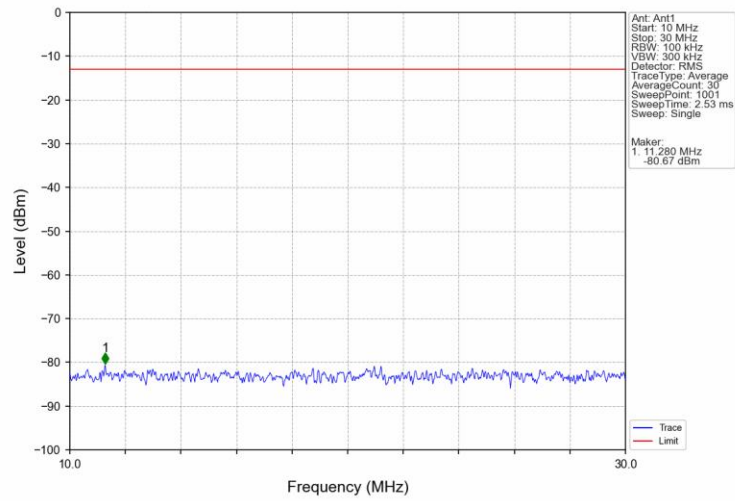
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



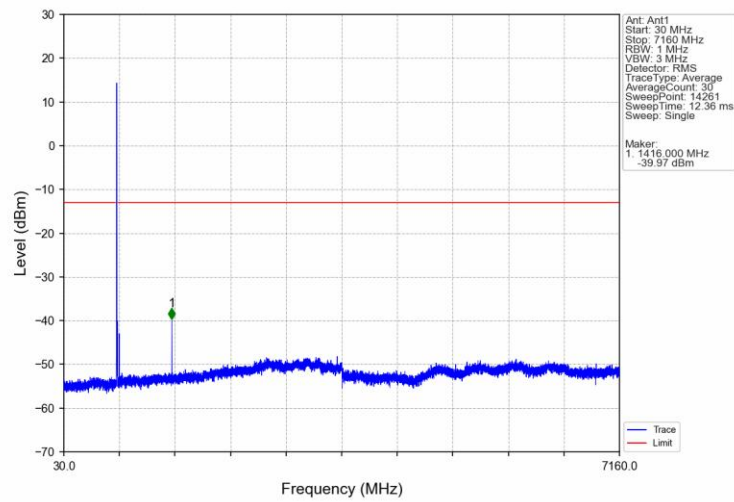
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



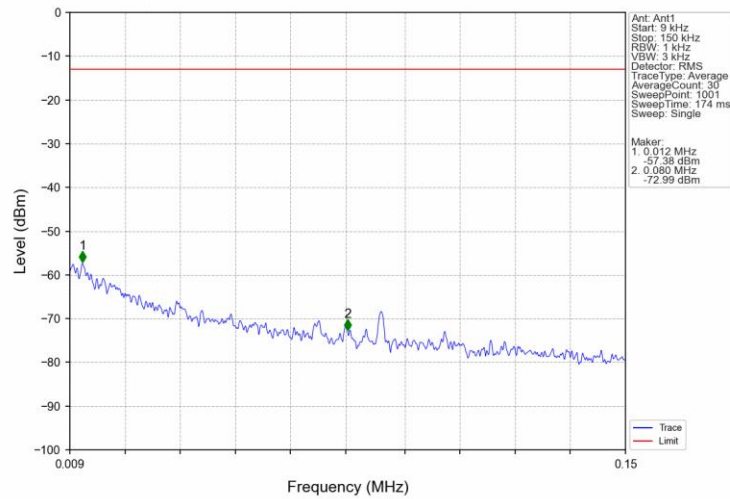
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



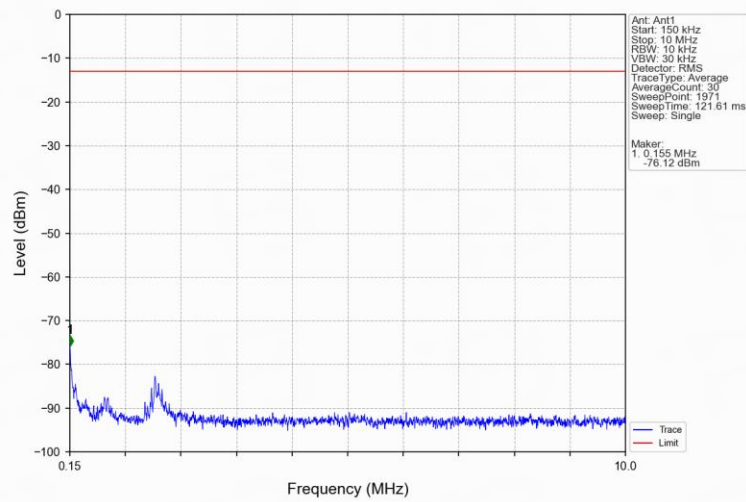
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



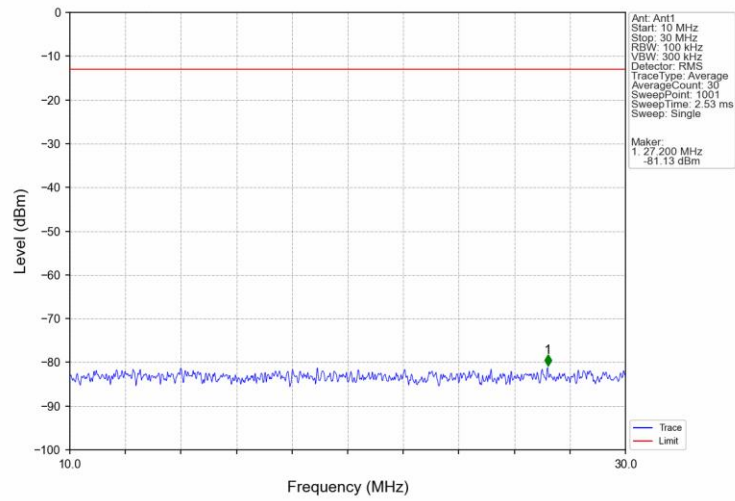
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



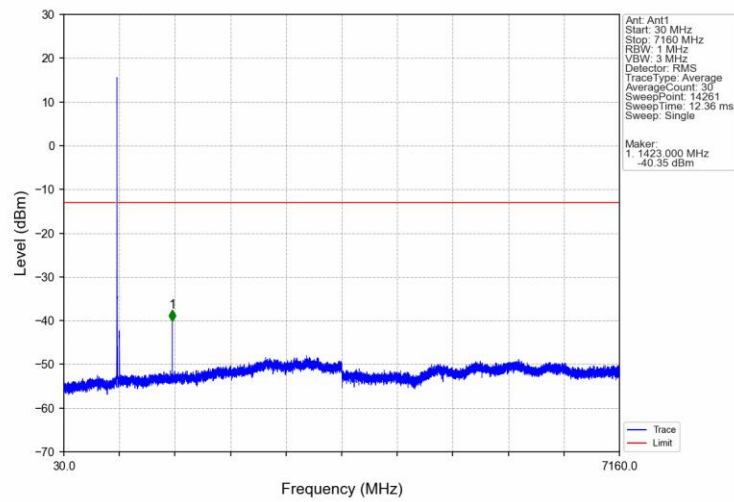
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



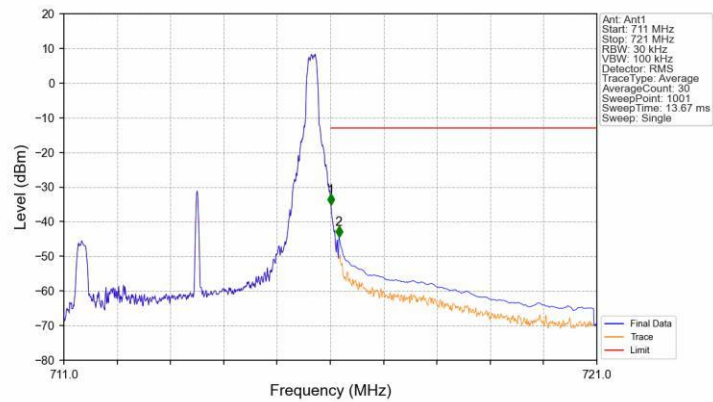
Band17_ 5MHz_ 16QAM_ HCH_ 713.5MHz_ RB_ 1_ 0_ NTV



Band17_ 5MHz_ 16QAM_ HCH_ 713.5MHz_ RB_ 1_ 0_ NTV

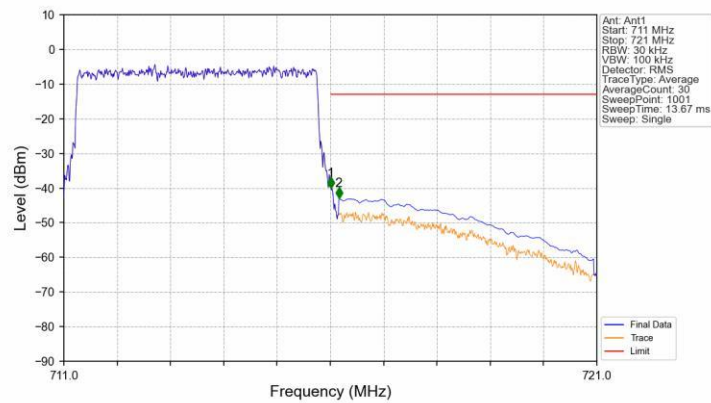


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



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	-35.10	-13	Pass
716.1	721	0.1	CHP	2	716.160	-44.46	-13	Pass

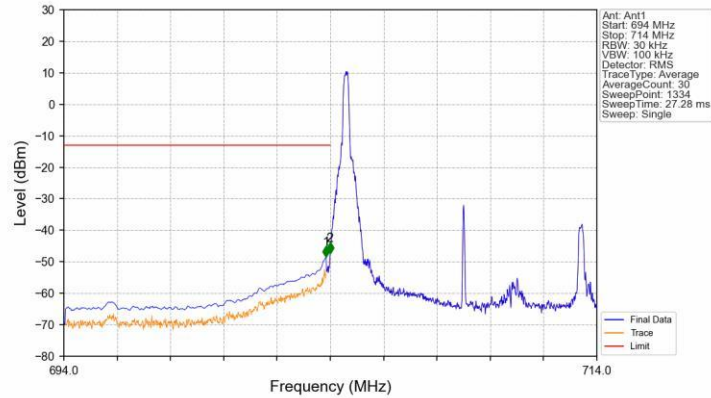
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



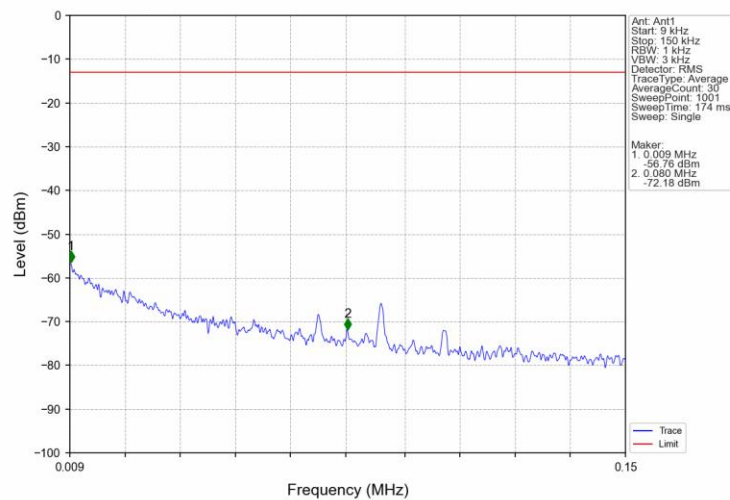
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-40.04	-13	Pass
716.1	721	0.1	CHP	2	716.160	-43.02	-13	Pass

6.2.2 B17_10MHz

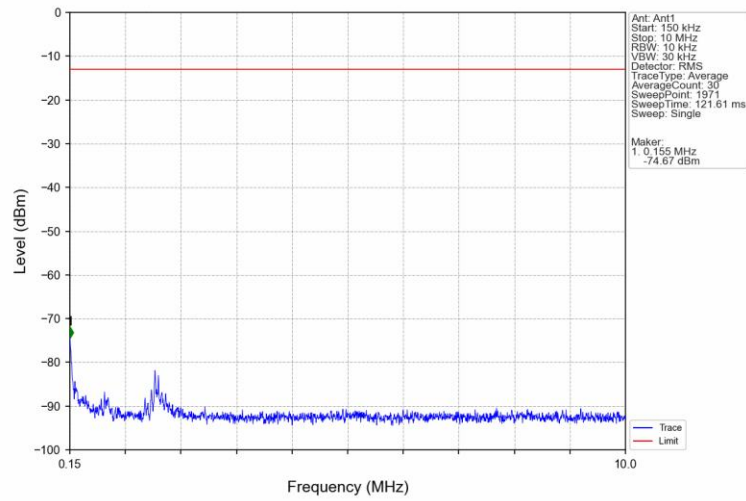
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



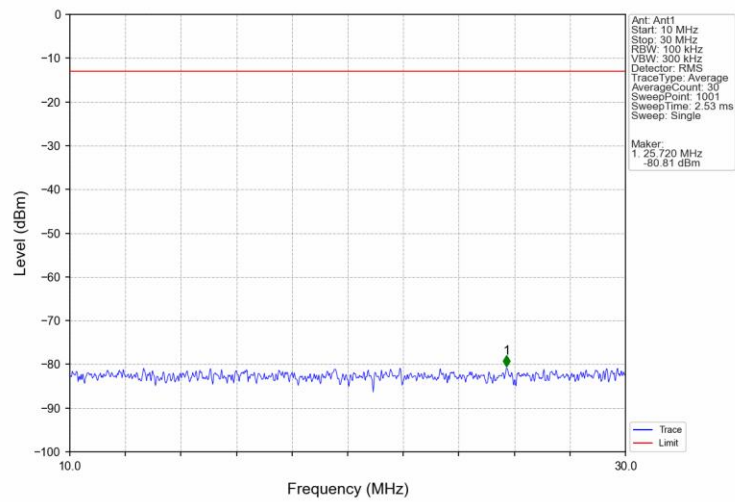
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



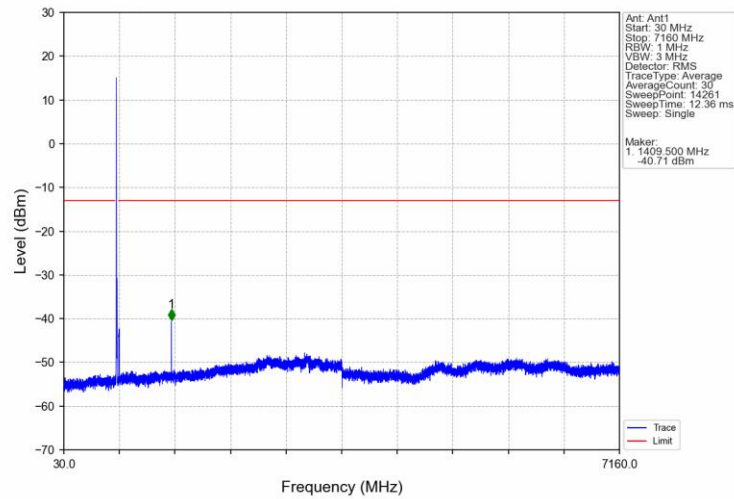
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



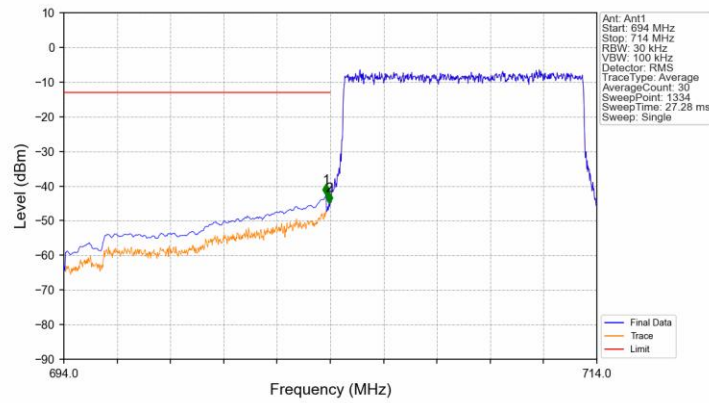
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

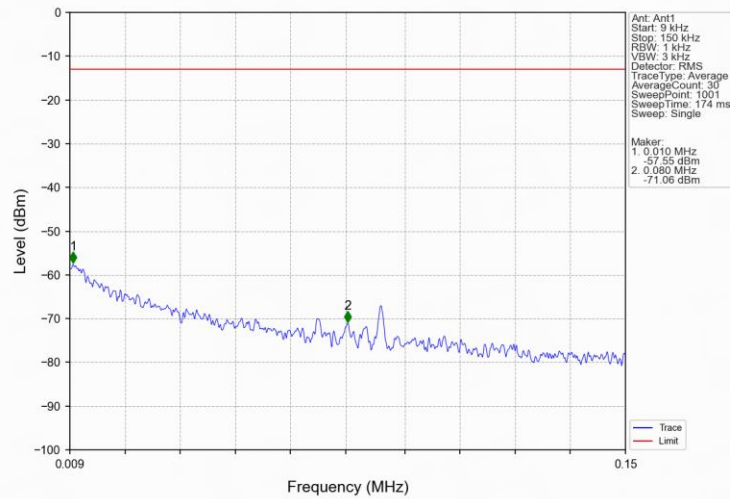


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

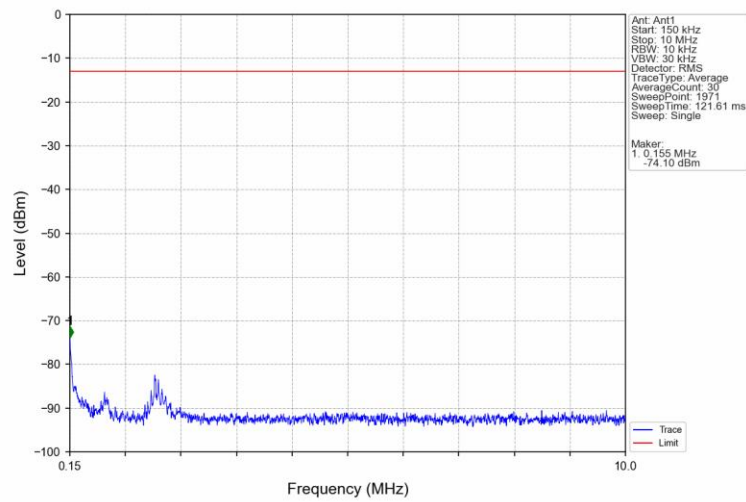


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-42.55	-13	Pass
703.9	704	0.03	/	2	703.962	-44.99	-13	Pass
704	714	0.03	/	/	/	/	/	/

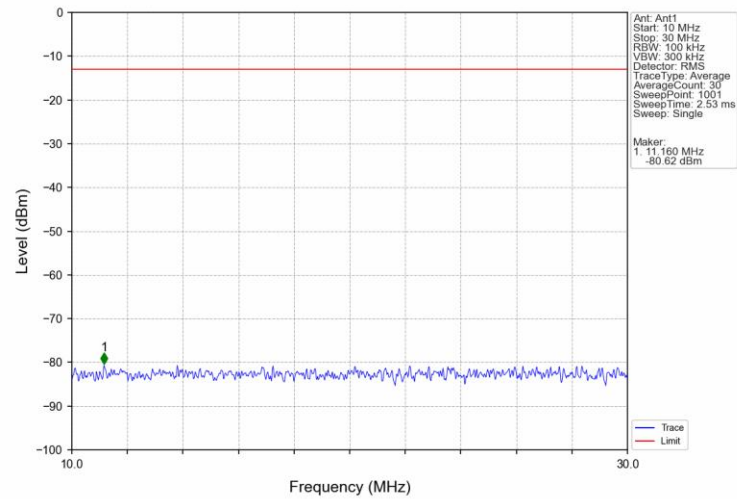
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



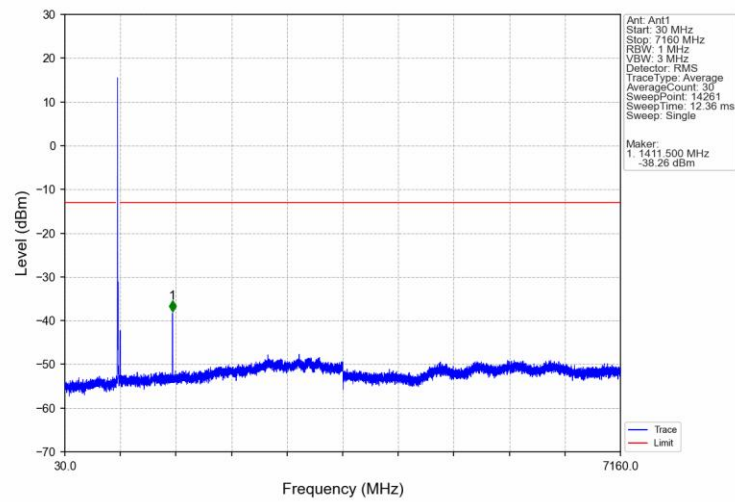
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



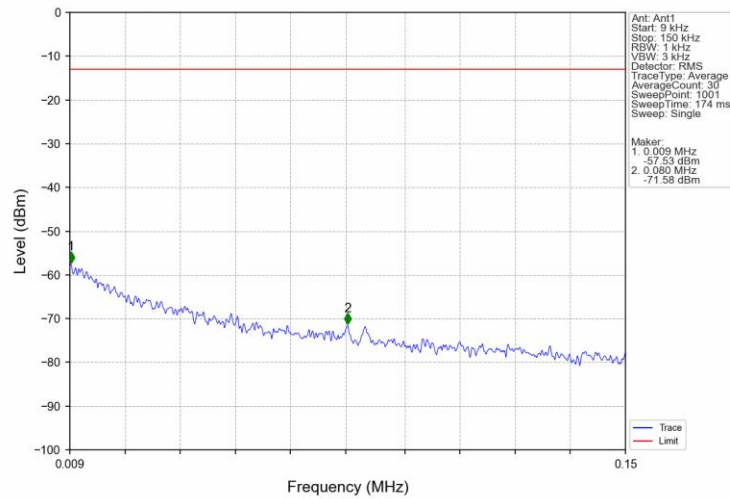
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



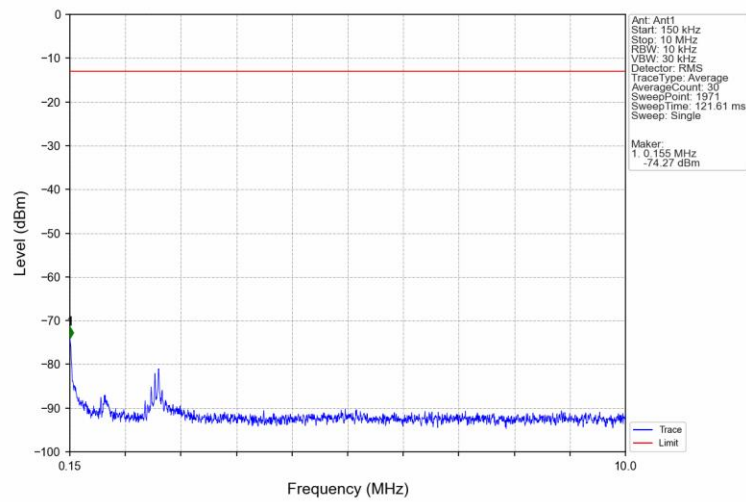
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



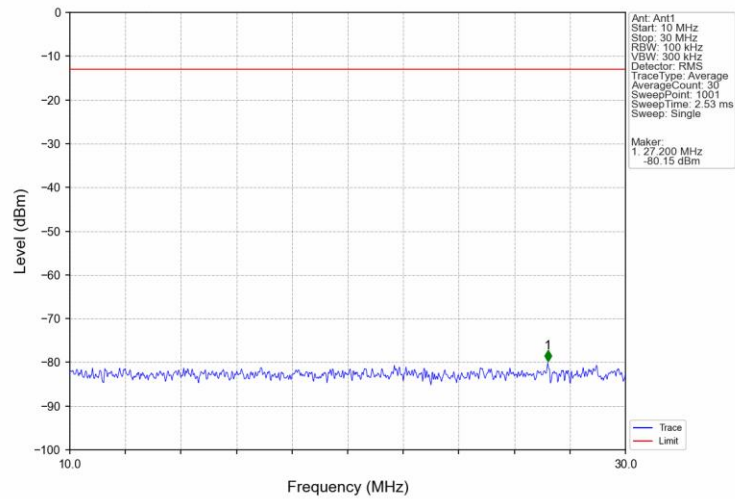
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



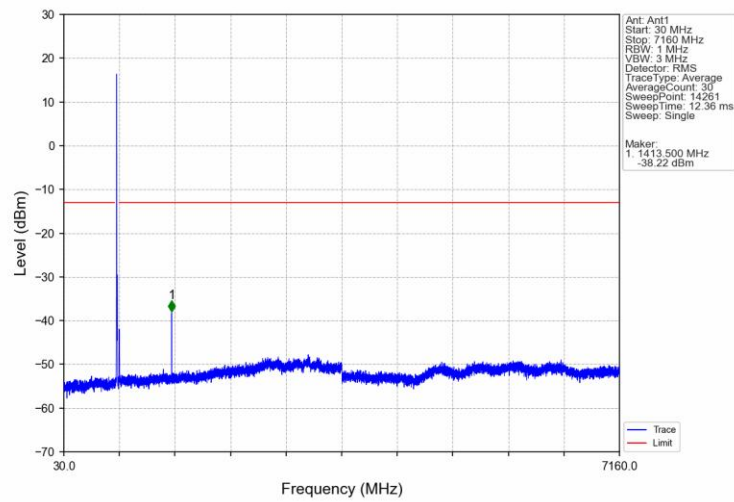
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



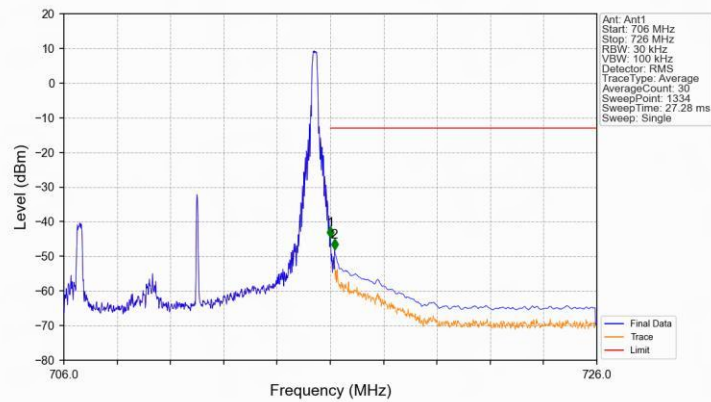
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV

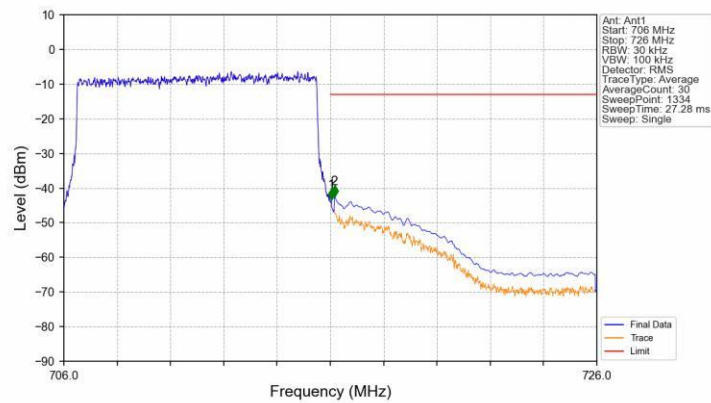


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



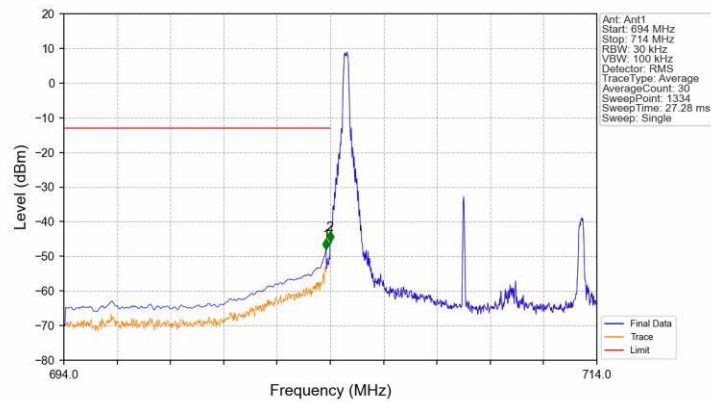
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-44.64	-13	Pass
716.1	726	0.1	CHP	2	716.158	-48.14	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



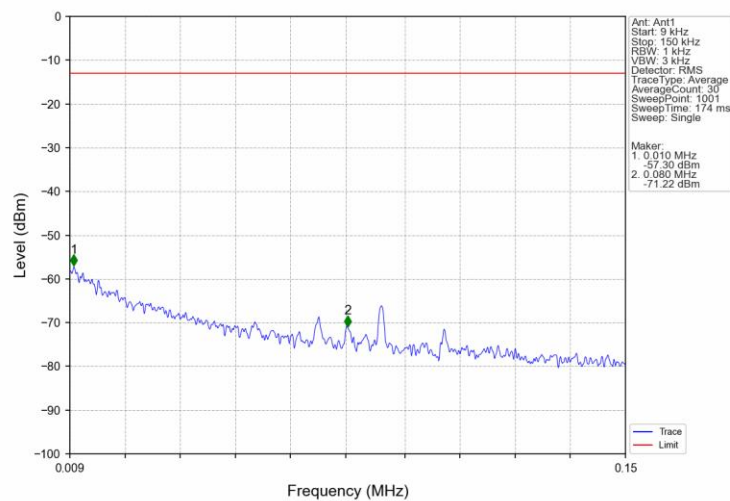
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-43.38	-13	Pass
716.1	726	0.1	CHP	2	716.158	-42.33	-13	Pass

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

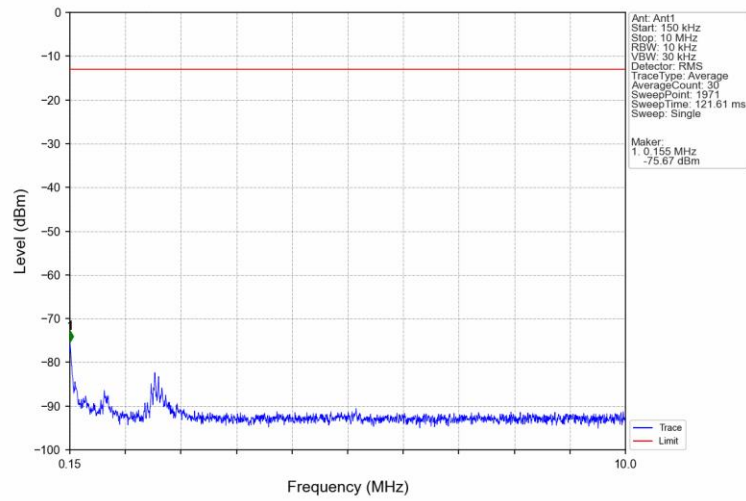


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-48.08	-13	Pass
703.9	704	0.03	/	2	703.992	-45.87	-13	Pass
704	714	0.03	/	/	/	/	/	/

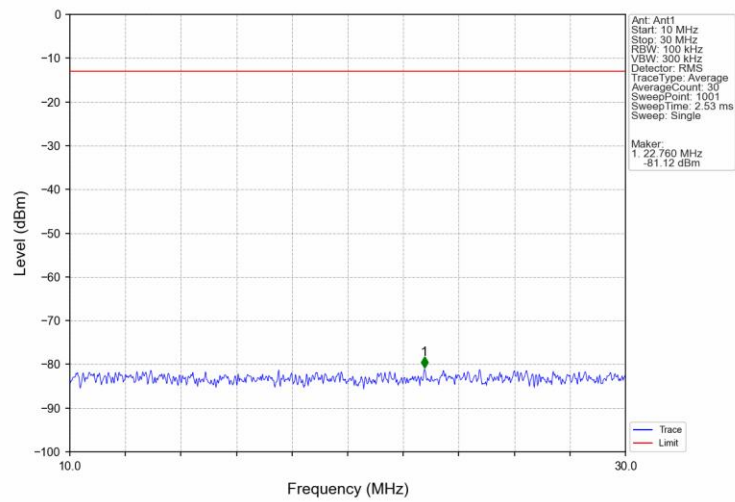
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



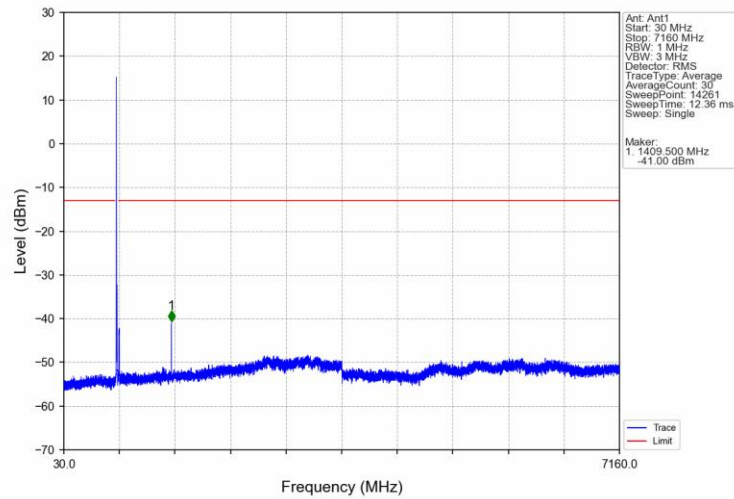
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



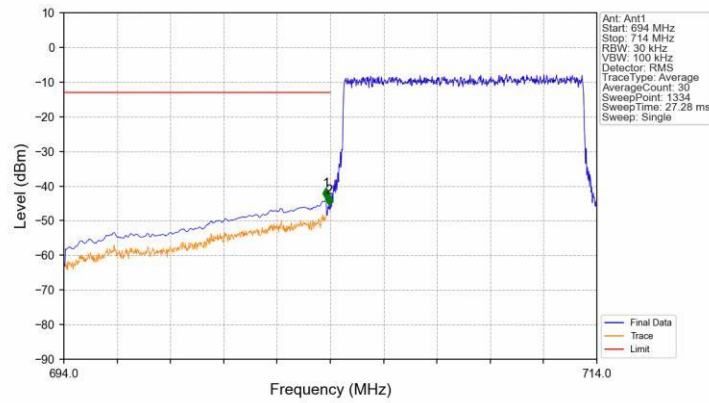
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



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

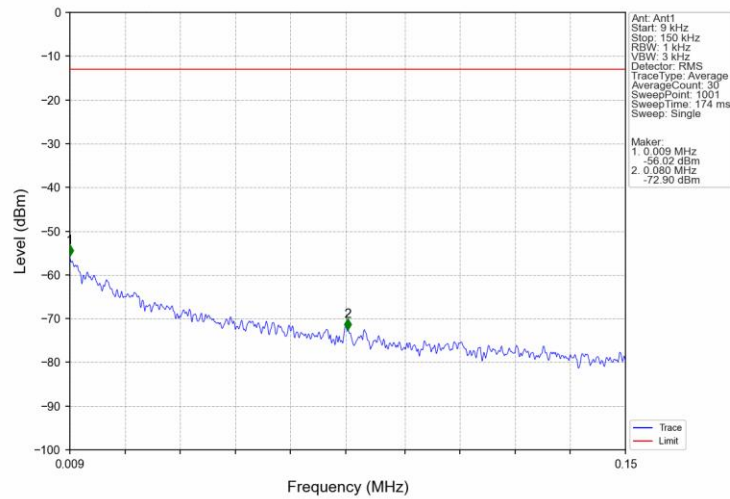


Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV

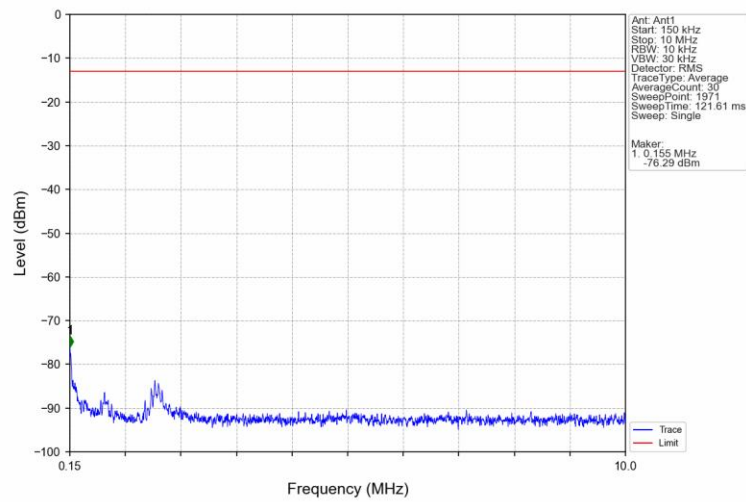


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	ChP	1	703.842	-43.59	-13	Pass
703.9	704	0.03	/	2	703.962	-45.56	-13	Pass
704	714	0.03	/	/	/	/	/	/

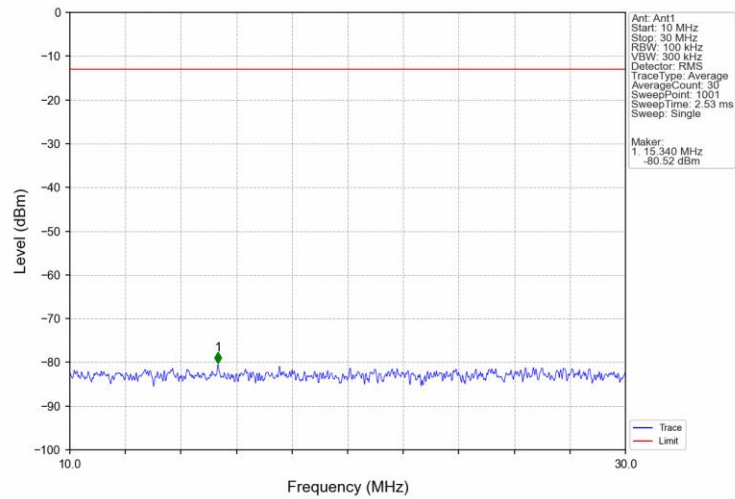
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



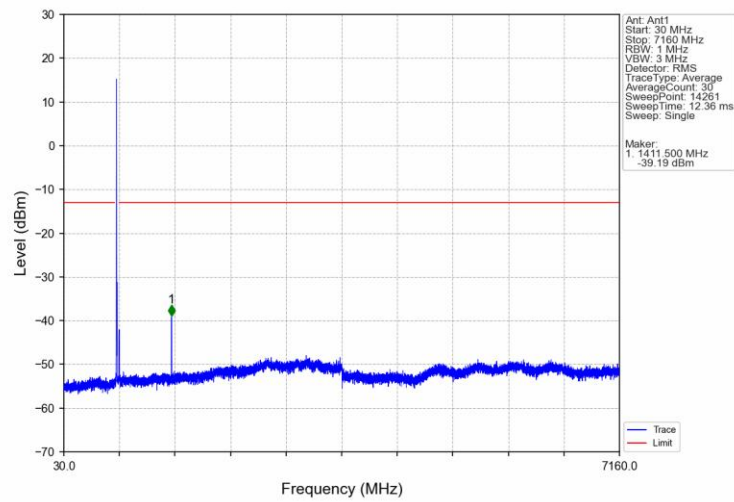
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



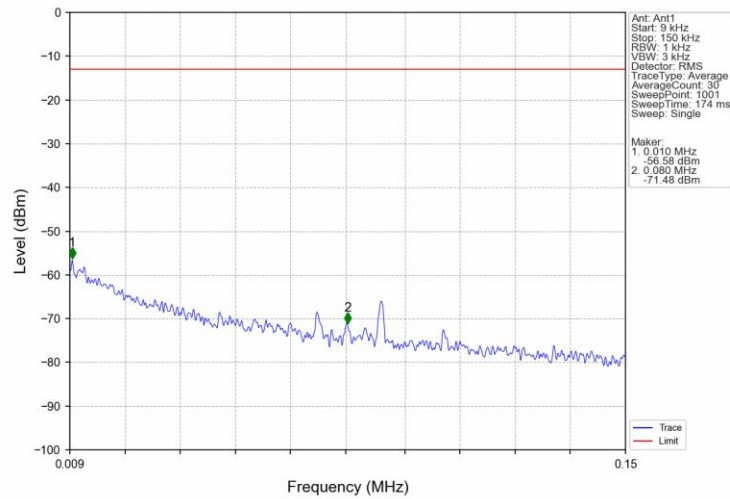
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



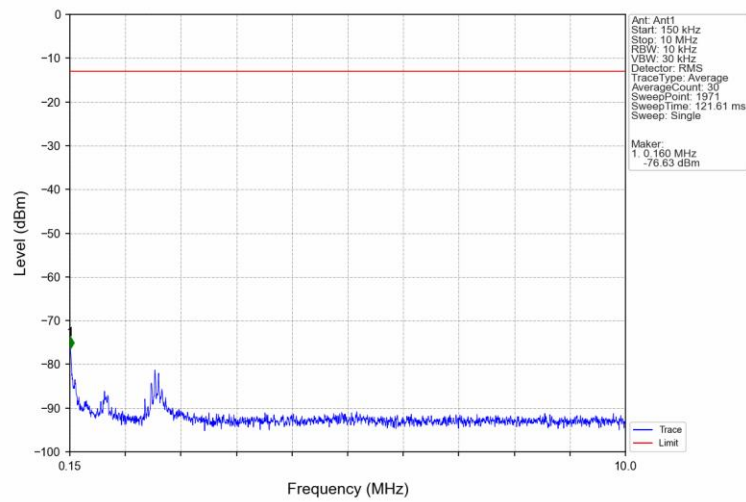
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



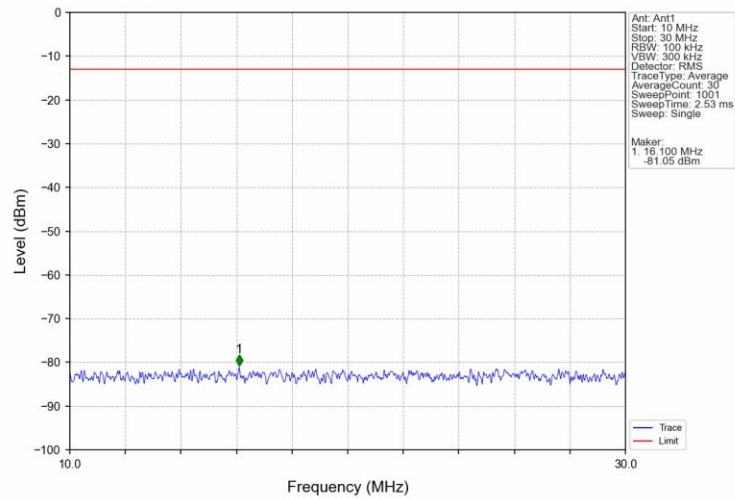
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



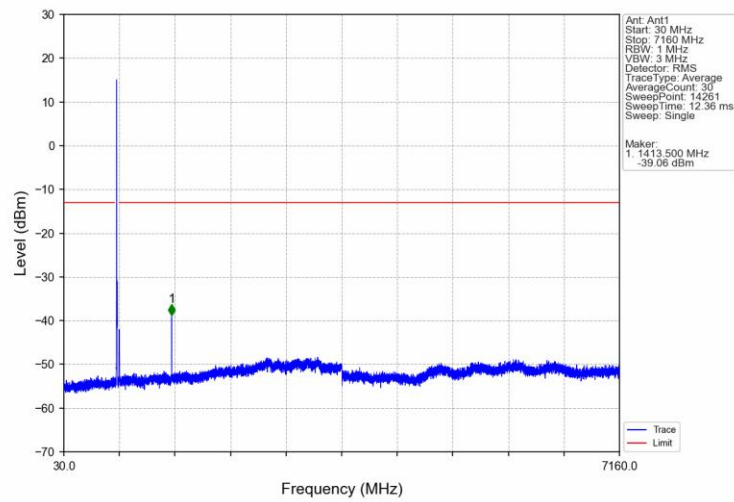
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



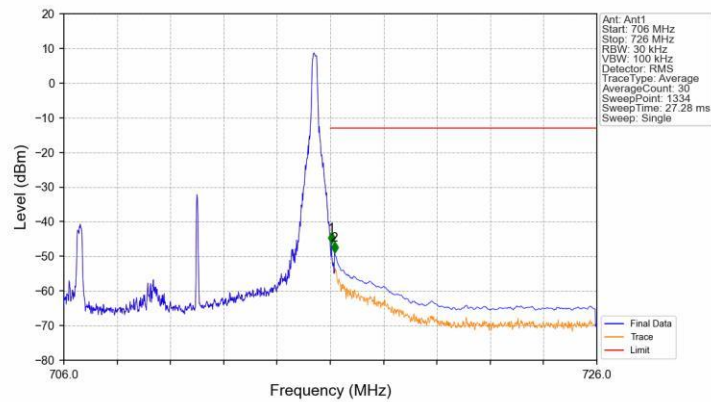
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

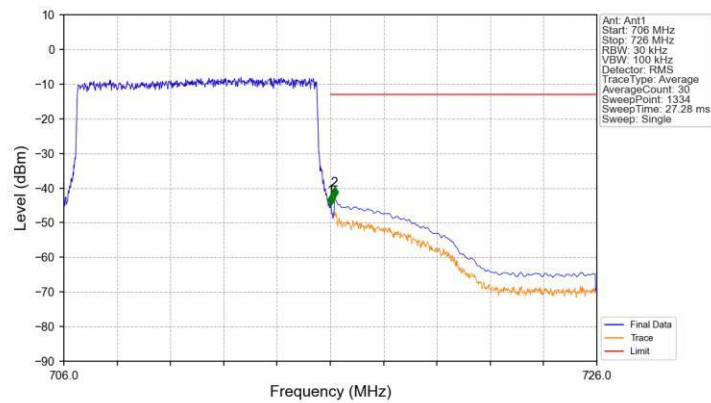


Band17 10MHz 16QAM HCH 711MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-46.29	-13	Pass
716.1	726	0.1	CHP	2	716.158	-49.04	-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	-44.97	-13	Pass
716.1	726	0.1	CHP	2	716.158	-42.76	-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	0.0662	0.0040	ppm	4M59G7D	27H	18.21
17	5	706.5	713.5	0.0540	0.0039	ppm	4M60W7D	27H	17.32
17	10	709	711	0.0658	0.0040	ppm	9M07G7D	27H	18.18
17	10	709	711	0.0578	0.0038	ppm	9M07W7D	27H	17.62

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	0.0275	0.0040	ppm	4M59G7D	27H	14.39
17	5	706.5	713.5	0.0224	0.0039	ppm	4M60W7D	27H	13.50
17	10	709	711	0.0273	0.0040	ppm	9M07G7D	27H	14.36
17	10	709	711	0.0240	0.0038	ppm	9M07W7D	27H	13.80