

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	20.87	-3.22	15.50	<=34.77	Pass
			13	20.89	-3.22	15.52	<=34.77	Pass
			24	20.95	-3.22	15.58	<=34.77	Pass
		12	0	19.98	-3.22	14.61	<=34.77	Pass
			6	19.94	-3.22	14.57	<=34.77	Pass
			13	19.85	-3.22	14.48	<=34.77	Pass
		25	0	20.04	-3.22	14.67	<=34.77	Pass
	710	1	0	21.03	-3.22	15.66	<=34.77	Pass
			13	21.01	-3.22	15.64	<=34.77	Pass
			24	20.97	-3.22	15.60	<=34.77	Pass
		12	0	19.87	-3.22	14.50	<=34.77	Pass
			6	19.92	-3.22	14.55	<=34.77	Pass
			13	19.94	-3.22	14.57	<=34.77	Pass
		25	0	20.15	-3.22	14.78	<=34.77	Pass
	713.5	1	0	20.84	-3.22	15.47	<=34.77	Pass
			13	20.81	-3.22	15.44	<=34.77	Pass
			24	20.90	-3.22	15.53	<=34.77	Pass
		12	0	19.99	-3.22	14.62	<=34.77	Pass
			6	19.88	-3.22	14.51	<=34.77	Pass
			13	19.81	-3.22	14.44	<=34.77	Pass
		25	0	19.92	-3.22	14.55	<=34.77	Pass
16QAM	706.5	1	0	20.41	-3.22	15.04	<=34.77	Pass
			13	20.44	-3.22	15.07	<=34.77	Pass
			24	20.28	-3.22	14.91	<=34.77	Pass
		12	0	19.41	-3.22	14.04	<=34.77	Pass
			6	19.45	-3.22	14.08	<=34.77	Pass
			13	18.98	-3.22	13.61	<=34.77	Pass
		25	0	19.49	-3.22	14.12	<=34.77	Pass
	710	1	0	19.46	-3.22	14.09	<=34.77	Pass
			13	19.55	-3.22	14.18	<=34.77	Pass
			24	19.57	-3.22	14.20	<=34.77	Pass
		12	0	18.94	-3.22	13.57	<=34.77	Pass
			6	19.38	-3.22	14.01	<=34.77	Pass
			13	18.93	-3.22	13.56	<=34.77	Pass
		25	0	19.40	-3.22	14.03	<=34.77	Pass
	713.5	1	0	20.47	-3.22	15.10	<=34.77	Pass
			13	20.36	-3.22	14.99	<=34.77	Pass
			24	20.51	-3.22	15.14	<=34.77	Pass
		12	0	18.91	-3.22	13.54	<=34.77	Pass
			6	19.36	-3.22	13.99	<=34.77	Pass
			13	19.29	-3.22	13.92	<=34.77	Pass
		25	0	19.44	-3.22	14.07	<=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	20.89	-3.22	15.52	<=34.77	Pass
			25	20.80	-3.22	15.43	<=34.77	Pass
			49	20.96	-3.22	15.59	<=34.77	Pass
		25	0	19.93	-3.22	14.56	<=34.77	Pass
			13	19.86	-3.22	14.49	<=34.77	Pass
			25	19.92	-3.22	14.55	<=34.77	Pass
		50	0	19.95	-3.22	14.58	<=34.77	Pass
	710	1	0	21.14	-3.22	15.77	<=34.77	Pass
			25	21.10	-3.22	15.73	<=34.77	Pass
			49	20.94	-3.22	15.57	<=34.77	Pass
		25	0	19.96	-3.22	14.59	<=34.77	Pass
			13	20.05	-3.22	14.68	<=34.77	Pass
			25	19.91	-3.22	14.54	<=34.77	Pass
		50	0	19.92	-3.22	14.55	<=34.77	Pass
	711	1	0	20.91	-3.22	15.54	<=34.77	Pass
			25	20.83	-3.22	15.46	<=34.77	Pass
			49	20.90	-3.22	15.53	<=34.77	Pass
		25	0	19.84	-3.22	14.47	<=34.77	Pass
			13	19.92	-3.22	14.55	<=34.77	Pass
			25	19.82	-3.22	14.45	<=34.77	Pass
		50	0	19.90	-3.22	14.53	<=34.77	Pass
16QAM	709	1	0	19.93	-3.22	14.56	<=34.77	Pass
			25	19.91	-3.22	14.54	<=34.77	Pass
			49	19.98	-3.22	14.61	<=34.77	Pass
		25	0	19.46	-3.22	14.09	<=34.77	Pass
			13	19.01	-3.22	13.64	<=34.77	Pass
			25	19.07	-3.22	13.70	<=34.77	Pass
		50	0	18.90	-3.22	13.53	<=34.77	Pass
	710	1	0	20.60	-3.22	15.23	<=34.77	Pass
			25	20.61	-3.22	15.24	<=34.77	Pass
			49	20.49	-3.22	15.12	<=34.77	Pass
		25	0	19.03	-3.22	13.66	<=34.77	Pass
			13	19.50	-3.22	14.13	<=34.77	Pass
			25	19.00	-3.22	13.63	<=34.77	Pass
		50	0	19.50	-3.22	14.13	<=34.77	Pass
	711	1	0	20.48	-3.22	15.11	<=34.77	Pass
			25	20.47	-3.22	15.10	<=34.77	Pass
			49	20.59	-3.22	15.22	<=34.77	Pass
		25	0	18.98	-3.22	13.61	<=34.77	Pass
			13	19.37	-3.22	14.00	<=34.77	Pass
			25	19.38	-3.22	14.01	<=34.77	Pass
		50	0	19.35	-3.22	13.98	<=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	9.727	0.0138	-2.5 to 2.5	Pass

					3.85	17.796	0.0252	-2.5 to 2.5	Pass
					4.43	10.214	0.0145	-2.5 to 2.5	Pass
				-30	3.85	3.347	0.0047	-2.5 to 2.5	Pass
				-20	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-6.094	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-10.586	-0.0150	-2.5 to 2.5	Pass
				10	3.85	-11.601	-0.0164	-2.5 to 2.5	Pass
				30	3.85	-11.072	-0.0157	-2.5 to 2.5	Pass
				40	3.85	-9.370	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-12.202	-0.0173	-2.5 to 2.5	Pass
	710	25	0	20	3.27	0.329	0.0005	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
					4.43	-4.478	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-11.187	-0.0158	-2.5 to 2.5	Pass
				-20	3.85	-14.935	-0.0210	-2.5 to 2.5	Pass
				-10	3.85	-20.156	-0.0284	-2.5 to 2.5	Pass
				0	3.85	-21.644	-0.0305	-2.5 to 2.5	Pass
				10	3.85	-24.376	-0.0343	-2.5 to 2.5	Pass
				30	3.85	-26.951	-0.0380	-2.5 to 2.5	Pass
				40	3.85	-27.666	-0.0390	-2.5 to 2.5	Pass
				50	3.85	-30.599	-0.0431	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	6.251	0.0088	-2.5 to 2.5	Pass
					3.85	7.524	0.0105	-2.5 to 2.5	Pass
					4.43	5.536	0.0078	-2.5 to 2.5	Pass
				-30	3.85	4.950	0.0069	-2.5 to 2.5	Pass
				-20	3.85	4.106	0.0058	-2.5 to 2.5	Pass
				-10	3.85	4.692	0.0066	-2.5 to 2.5	Pass
				0	3.85	2.847	0.0040	-2.5 to 2.5	Pass
				10	3.85	2.475	0.0035	-2.5 to 2.5	Pass
				30	3.85	3.347	0.0047	-2.5 to 2.5	Pass
				40	3.85	3.262	0.0046	-2.5 to 2.5	Pass
				50	3.85	4.234	0.0059	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-13.461	-0.0191	-2.5 to 2.5	Pass
					3.85	-13.905	-0.0197	-2.5 to 2.5	Pass
					4.43	-13.919	-0.0197	-2.5 to 2.5	Pass
				-30	3.85	-9.327	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-10.185	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-10.786	-0.0153	-2.5 to 2.5	Pass
				0	3.85	-8.483	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-8.125	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-11.072	-0.0157	-2.5 to 2.5	Pass
				40	3.85	-6.824	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-11.001	-0.0156	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-29.883	-0.0421	-2.5 to 2.5	Pass
					3.85	-30.942	-0.0436	-2.5 to 2.5	Pass
					4.43	-31.600	-0.0445	-2.5 to 2.5	Pass
				-30	3.85	-32.344	-0.0456	-2.5 to 2.5	Pass
				-20	3.85	-30.613	-0.0431	-2.5 to 2.5	Pass
				-10	3.85	-32.201	-0.0454	-2.5 to 2.5	Pass
				0	3.85	-31.228	-0.0440	-2.5 to 2.5	Pass
				10	3.85	-30.999	-0.0437	-2.5 to 2.5	Pass
				30	3.85	-31.400	-0.0442	-2.5 to 2.5	Pass
				40	3.85	-31.857	-0.0449	-2.5 to 2.5	Pass
				50	3.85	-32.101	-0.0452	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	6.022	0.0084	-2.5 to 2.5	Pass
					3.85	4.849	0.0068	-2.5 to 2.5	Pass
					4.43	6.824	0.0096	-2.5 to 2.5	Pass
				-30	3.85	8.025	0.0112	-2.5 to 2.5	Pass
				-20	3.85	6.795	0.0095	-2.5 to 2.5	Pass

				-10	3.85	7.868	0.0110	-2.5 to 2.5	Pass
				0	3.85	10.099	0.0142	-2.5 to 2.5	Pass
				10	3.85	10.042	0.0141	-2.5 to 2.5	Pass
				30	3.85	8.125	0.0114	-2.5 to 2.5	Pass
				40	3.85	12.932	0.0181	-2.5 to 2.5	Pass
				50	3.85	10.843	0.0152	-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	16.108	0.0227	-2.5 to 2.5	Pass
					3.85	4.907	0.0069	-2.5 to 2.5	Pass
					4.43	-28.338	-0.0400	-2.5 to 2.5	Pass
				-30	3.85	-5.307	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-21.086	-0.0297	-2.5 to 2.5	Pass
				-10	3.85	-34.776	-0.0490	-2.5 to 2.5	Pass
				0	3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-11.358	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-14.834	-0.0209	-2.5 to 2.5	Pass
				40	3.85	-19.727	-0.0278	-2.5 to 2.5	Pass
				50	3.85	-21.772	-0.0307	-2.5 to 2.5	Pass
	710	50	0	20	3.27	16.794	0.0237	-2.5 to 2.5	Pass
					3.85	21.486	0.0303	-2.5 to 2.5	Pass
					4.43	18.182	0.0256	-2.5 to 2.5	Pass
				-30	3.85	10.858	0.0153	-2.5 to 2.5	Pass
				-20	3.85	5.622	0.0079	-2.5 to 2.5	Pass
				-10	3.85	3.405	0.0048	-2.5 to 2.5	Pass
				0	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-5.035	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-4.177	-0.0059	-2.5 to 2.5	Pass
	711	50	0	20	3.27	10.915	0.0154	-2.5 to 2.5	Pass
					3.85	20.900	0.0294	-2.5 to 2.5	Pass
					4.43	17.366	0.0244	-2.5 to 2.5	Pass
				-30	3.85	12.903	0.0181	-2.5 to 2.5	Pass
				-20	3.85	6.452	0.0091	-2.5 to 2.5	Pass
				-10	3.85	5.407	0.0076	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0033	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-23.732	-0.0335	-2.5 to 2.5	Pass
					3.85	-25.492	-0.0360	-2.5 to 2.5	Pass
					4.43	-23.203	-0.0327	-2.5 to 2.5	Pass
				-30	3.85	-18.954	-0.0267	-2.5 to 2.5	Pass
				-20	3.85	-16.751	-0.0236	-2.5 to 2.5	Pass
				-10	3.85	-12.388	-0.0175	-2.5 to 2.5	Pass
				0	3.85	-9.370	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-4.778	-0.0067	-2.5 to 2.5	Pass
				30	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				40	3.85	4.220	0.0060	-2.5 to 2.5	Pass
				50	3.85	8.655	0.0122	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-6.552	-0.0092	-2.5 to 2.5	Pass

					3.85	-3.920	-0.0055	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	4.134	0.0058	-2.5 to 2.5	Pass
				-20	3.85	7.081	0.0100	-2.5 to 2.5	Pass
				-10	3.85	7.696	0.0108	-2.5 to 2.5	Pass
				0	3.85	6.795	0.0096	-2.5 to 2.5	Pass
				10	3.85	7.954	0.0112	-2.5 to 2.5	Pass
				30	3.85	5.050	0.0071	-2.5 to 2.5	Pass
				40	3.85	6.251	0.0088	-2.5 to 2.5	Pass
				50	3.85	5.622	0.0079	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-3.190	-0.0045	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0060	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	4.621	0.0065	-2.5 to 2.5	Pass
				-10	3.85	13.218	0.0186	-2.5 to 2.5	Pass
				0	3.85	15.335	0.0216	-2.5 to 2.5	Pass
				10	3.85	15.593	0.0219	-2.5 to 2.5	Pass
				30	3.85	16.193	0.0228	-2.5 to 2.5	Pass
				40	3.85	15.507	0.0218	-2.5 to 2.5	Pass
				50	3.85	15.049	0.0212	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

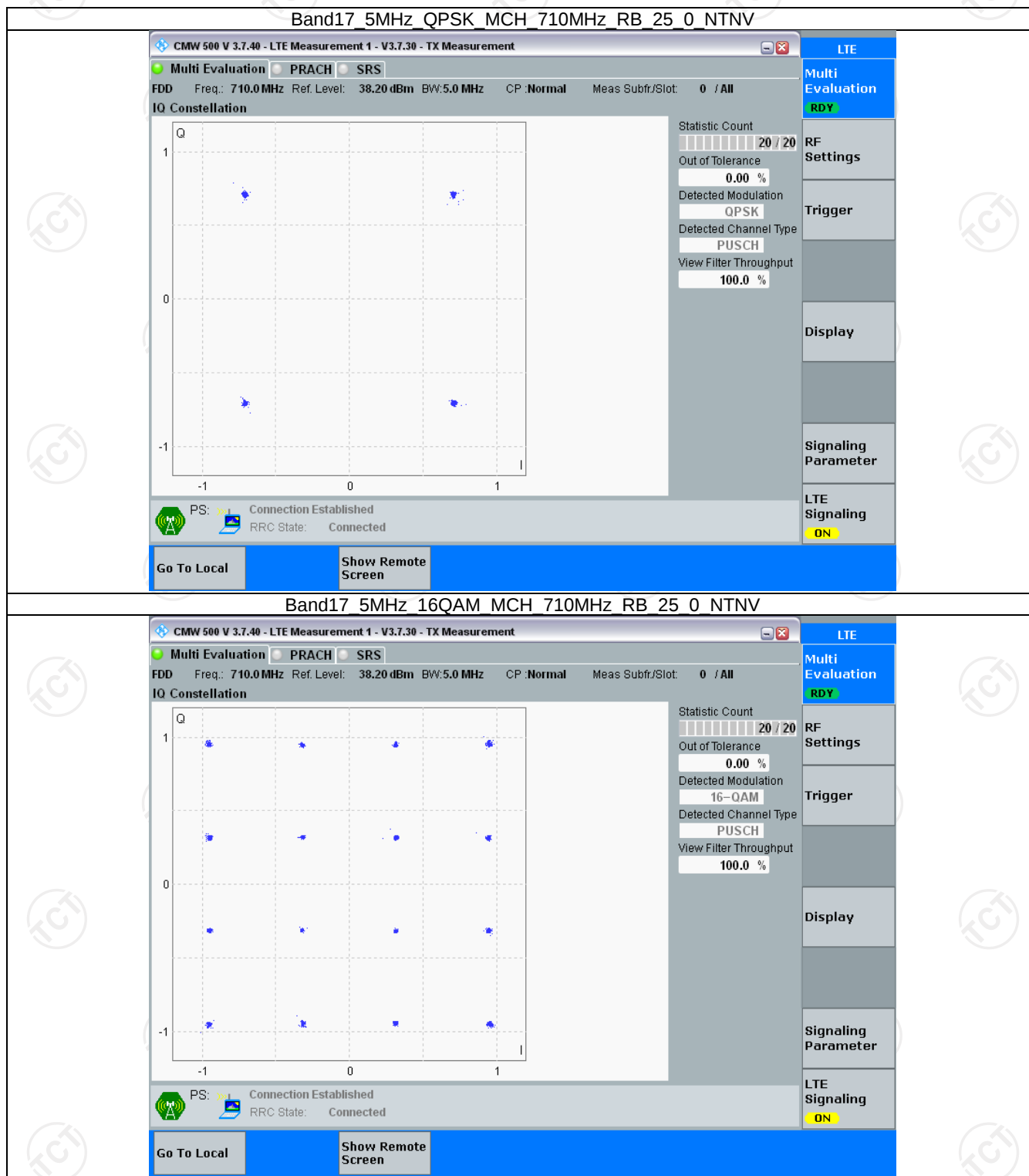
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

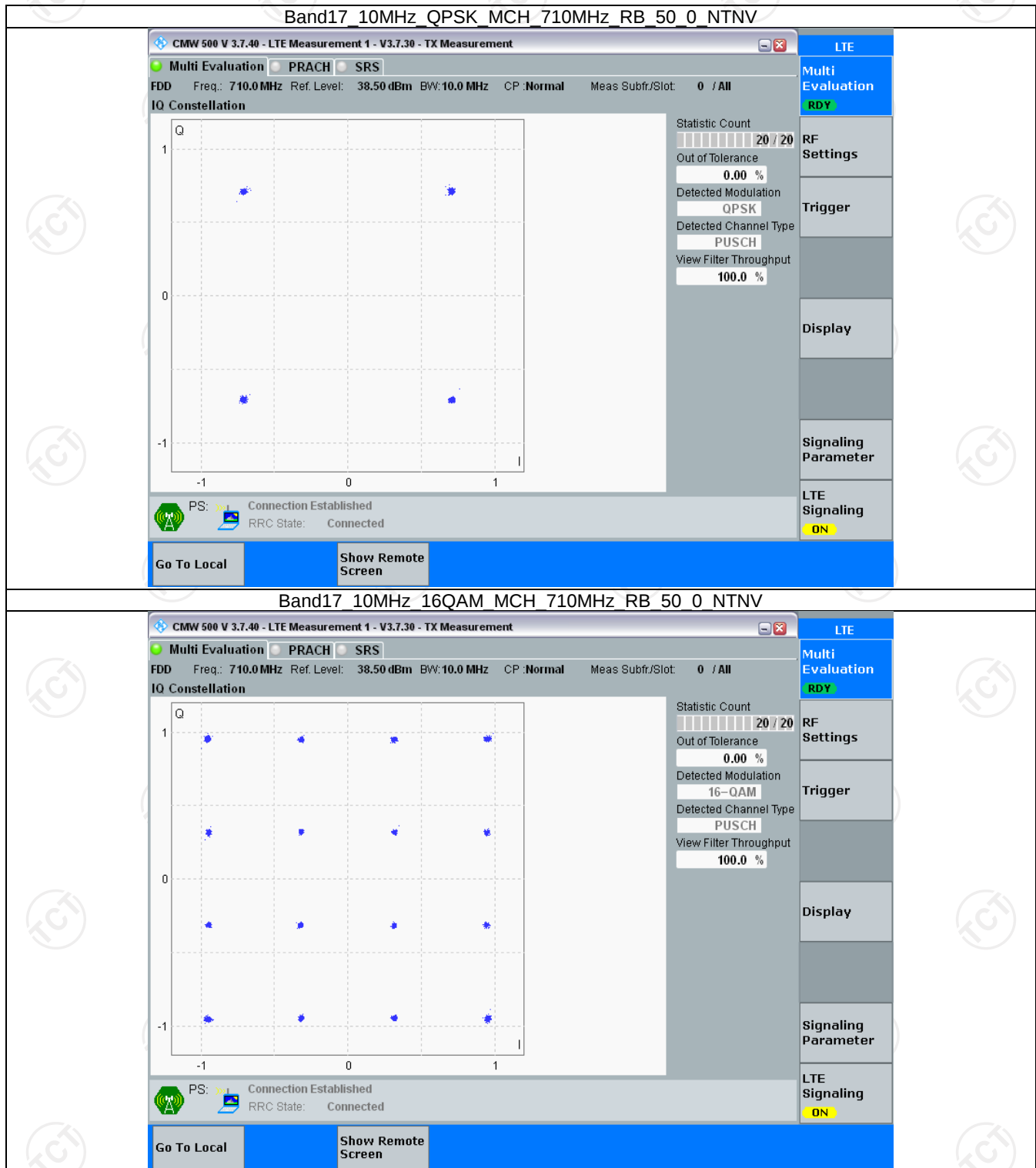
Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

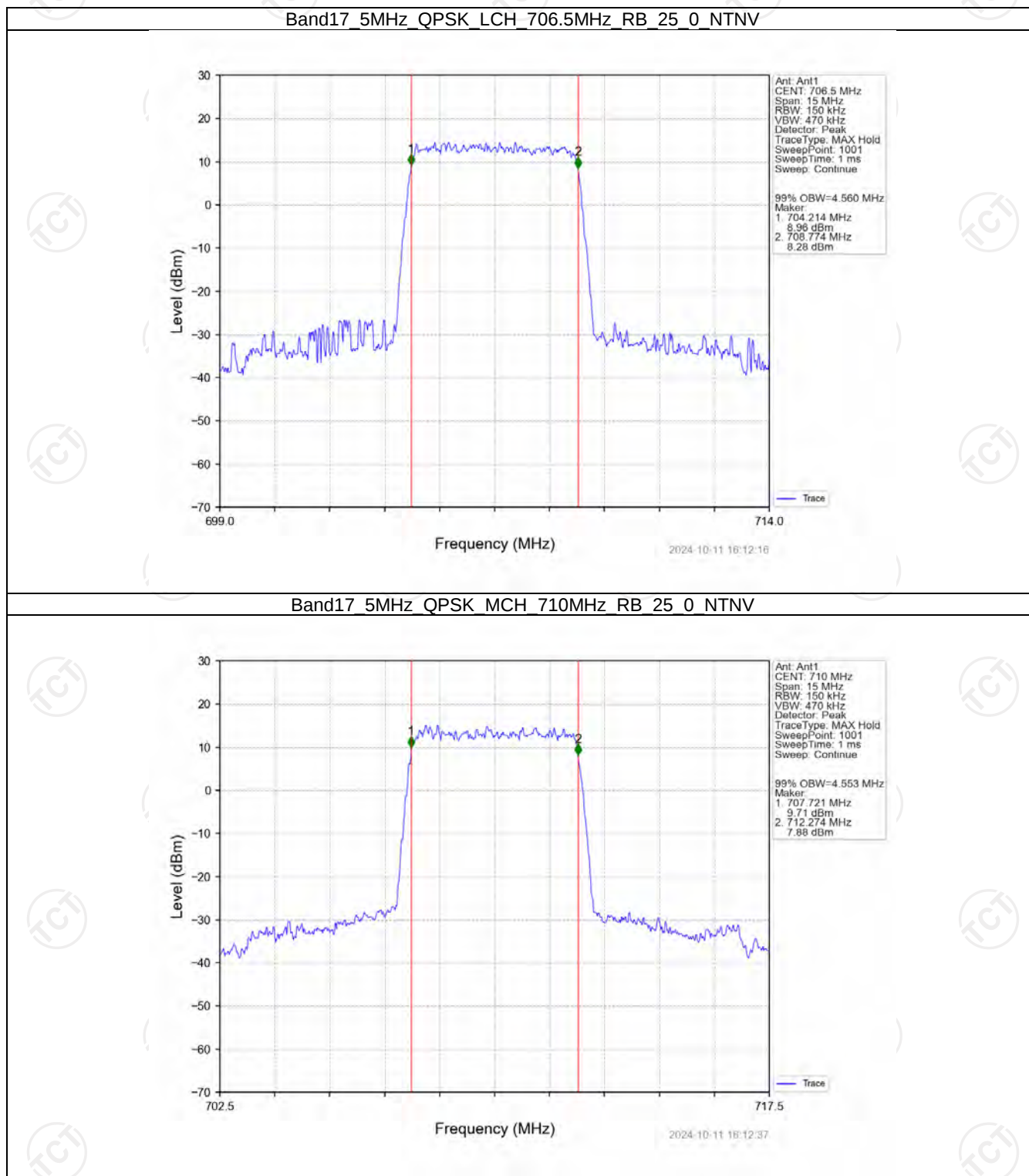
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.560	/	Pass
		710	25	0	4.553	/	Pass
		713.5	25	0	4.542	/	Pass
	16QAM	706.5	25	0	4.550	/	Pass
		710	25	0	4.551	/	Pass
		713.5	25	0	4.539	/	Pass
10	QPSK	709	50	0	9.122	/	Pass
		710	50	0	9.069	/	Pass
		711	50	0	9.087	/	Pass
	16QAM	709	50	0	9.105	/	Pass
		710	50	0	9.072	/	Pass
		711	50	0	9.092	/	Pass

4.1.2 Band17_XDB

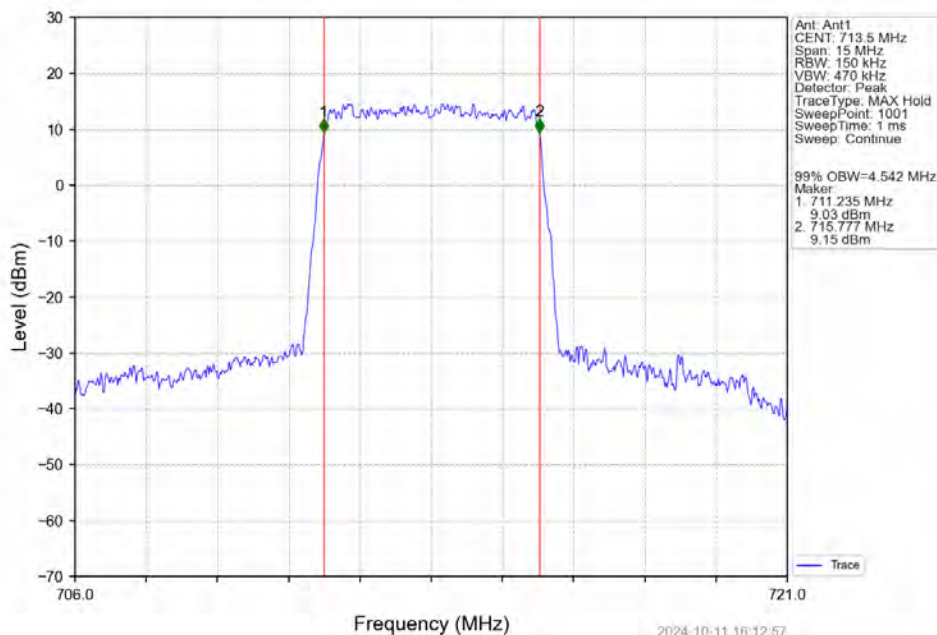
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.074	/	Pass
		710	25	0	5.036	/	Pass
		713.5	25	0	5.054	/	Pass
	16QAM	706.5	25	0	5.067	/	Pass
		710	25	0	5.088	/	Pass
		713.5	25	0	5.058	/	Pass
10	QPSK	709	50	0	10.106	/	Pass
		710	50	0	10.110	/	Pass
		711	50	0	10.042	/	Pass
	16QAM	709	50	0	10.094	/	Pass
		710	50	0	10.079	/	Pass
		711	50	0	10.075	/	Pass

4.2 Test Graph

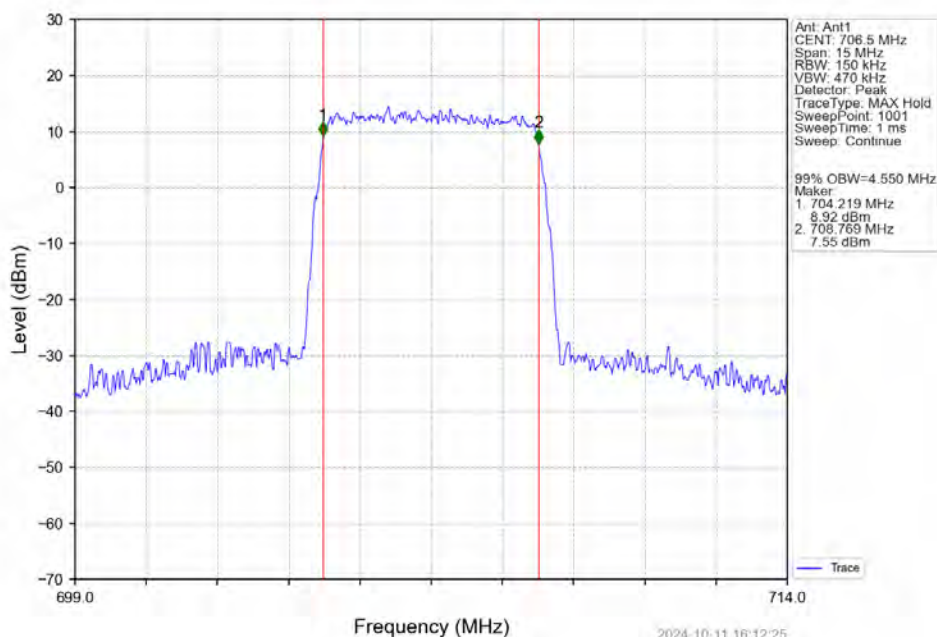
4.2.1 Band17_OBW



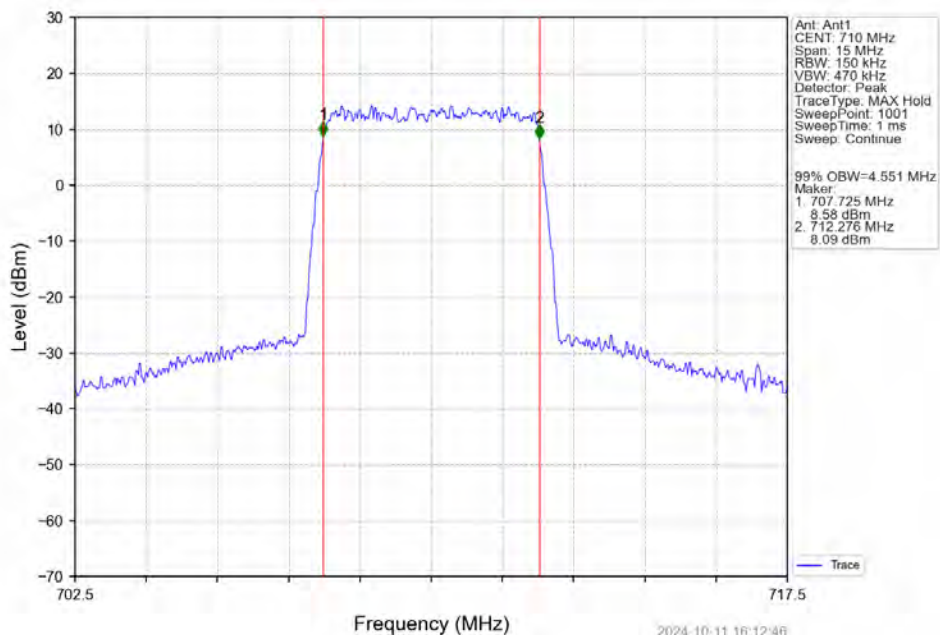
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



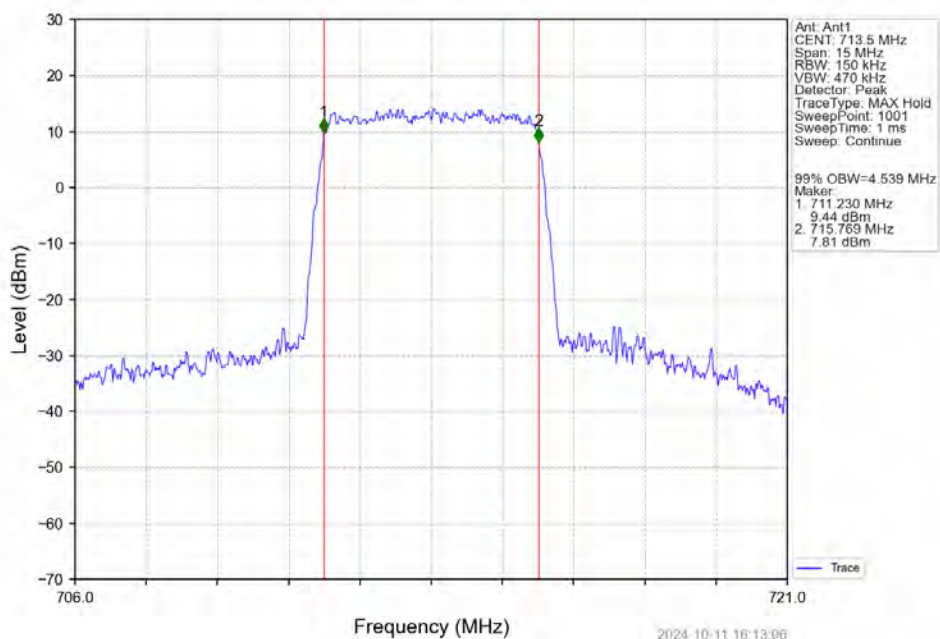
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



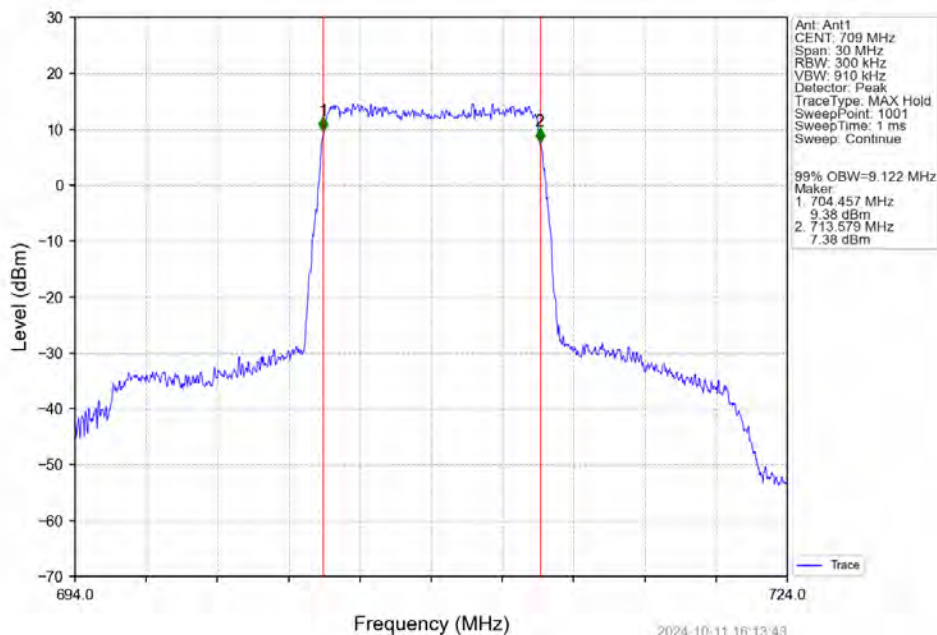
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



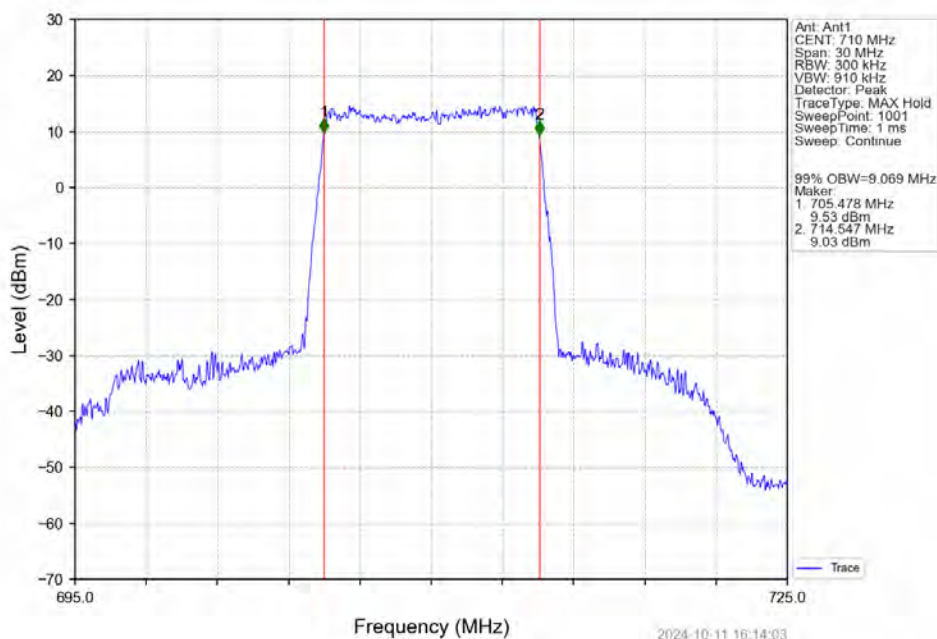
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



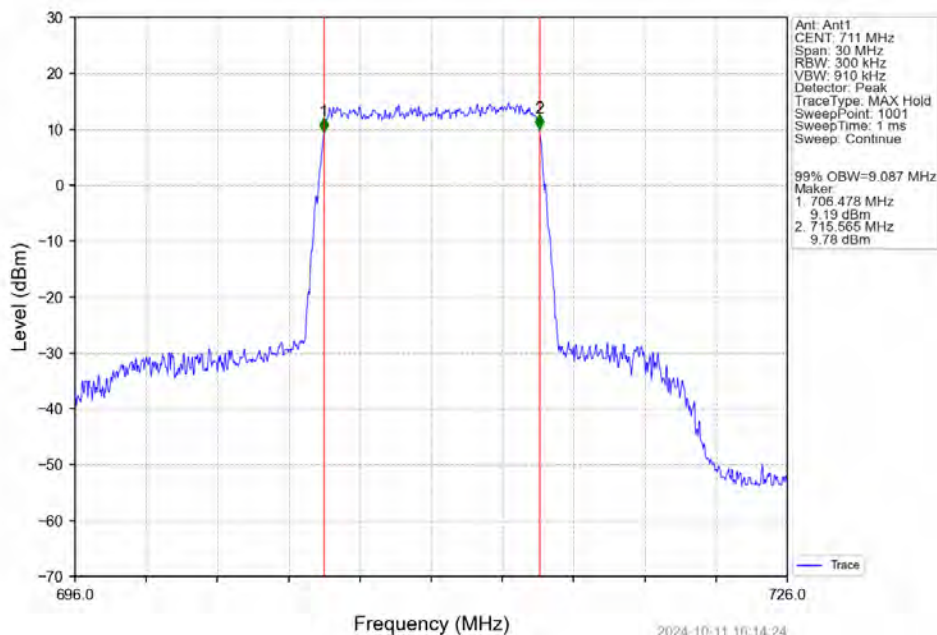
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



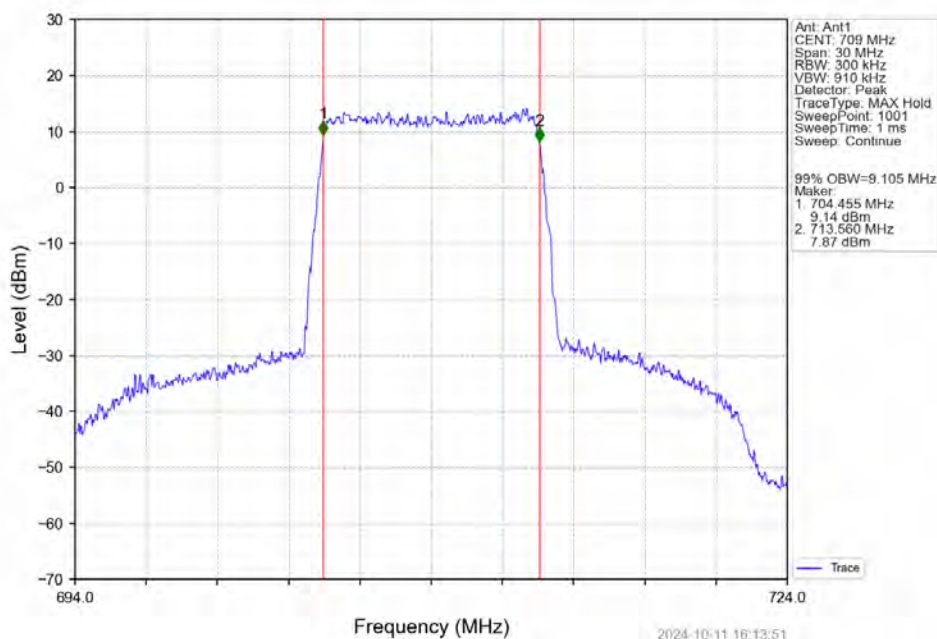
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



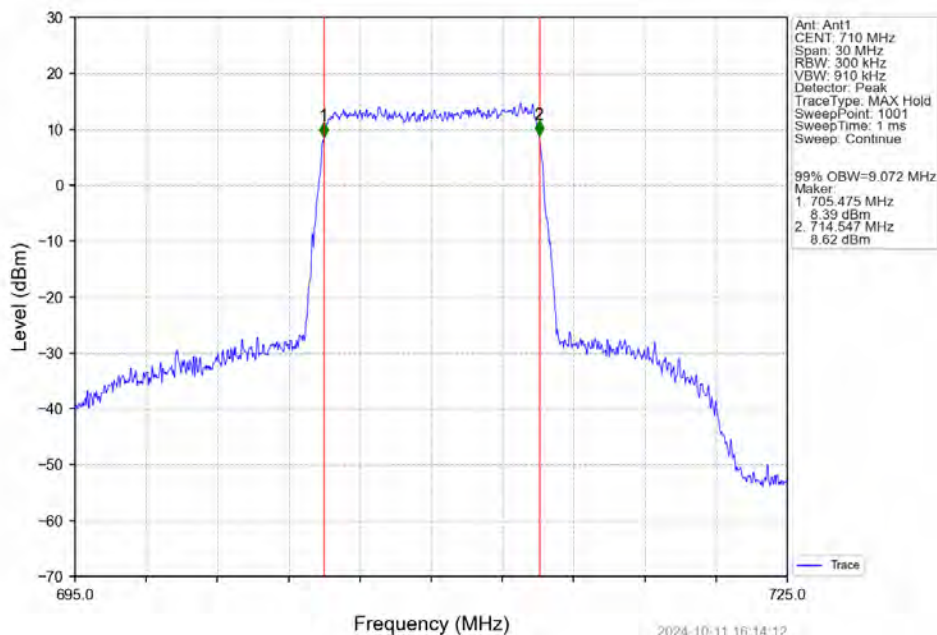
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



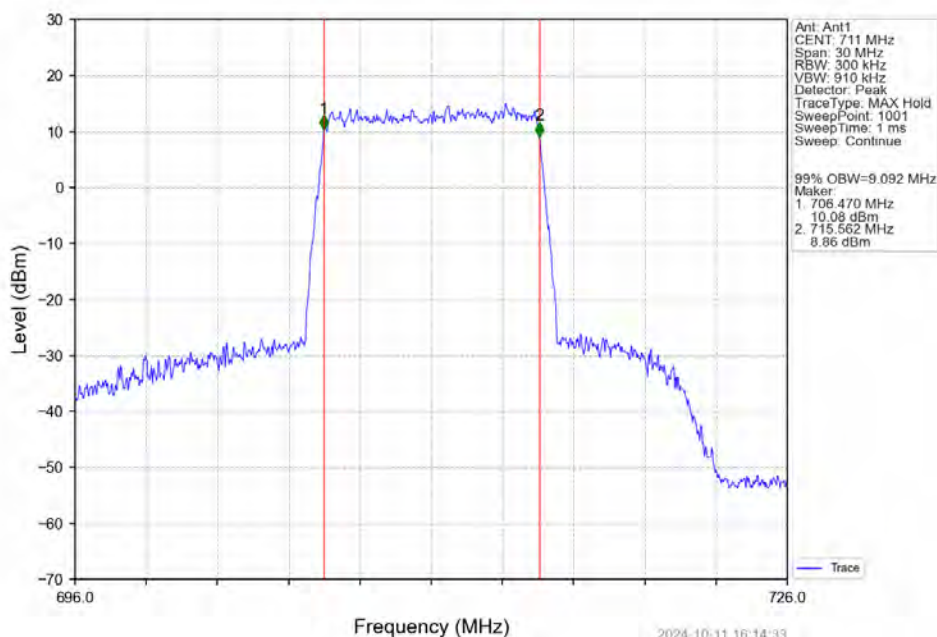
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



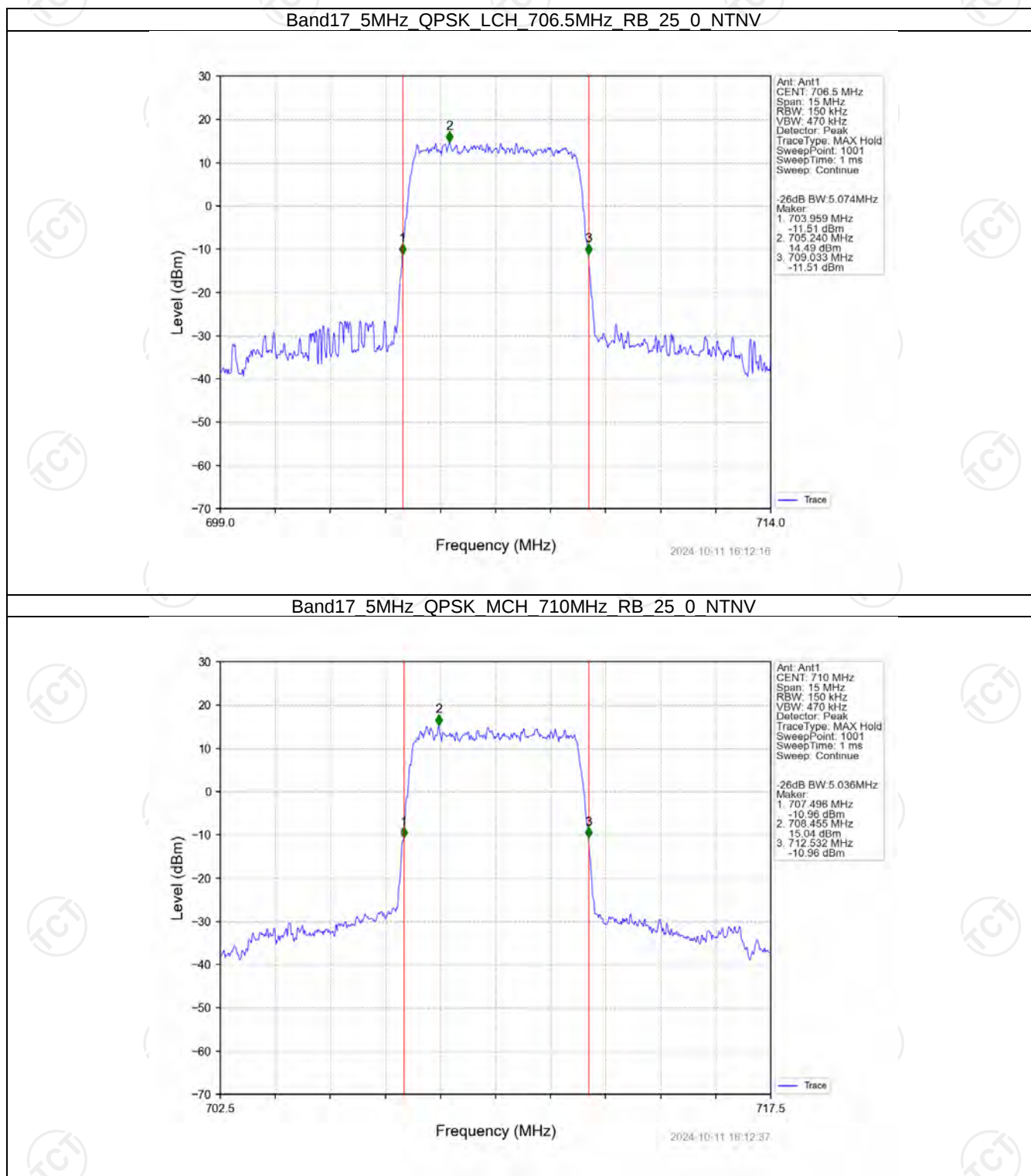
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



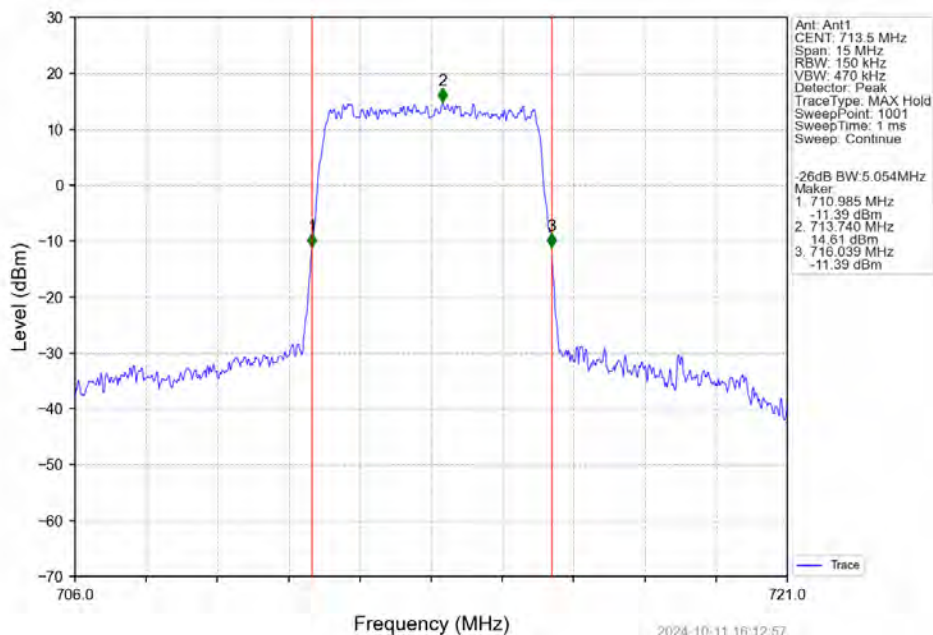
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



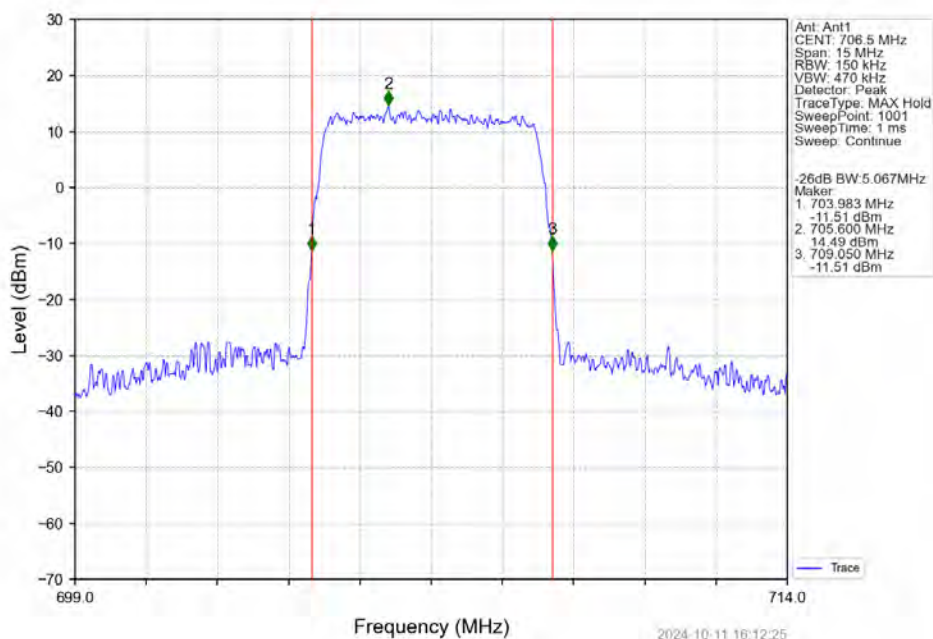
4.2.2 Band17_XDB



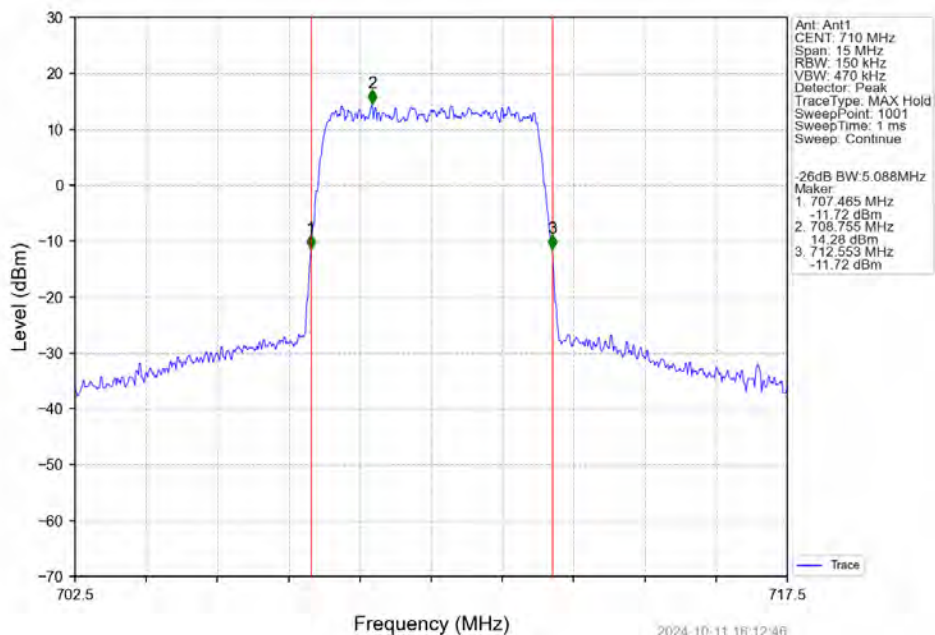
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



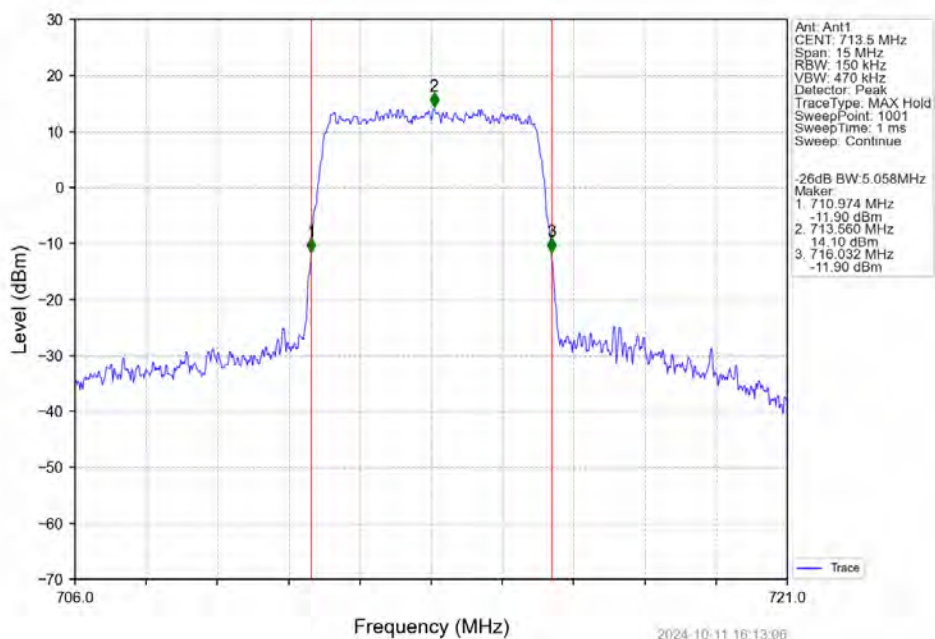
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



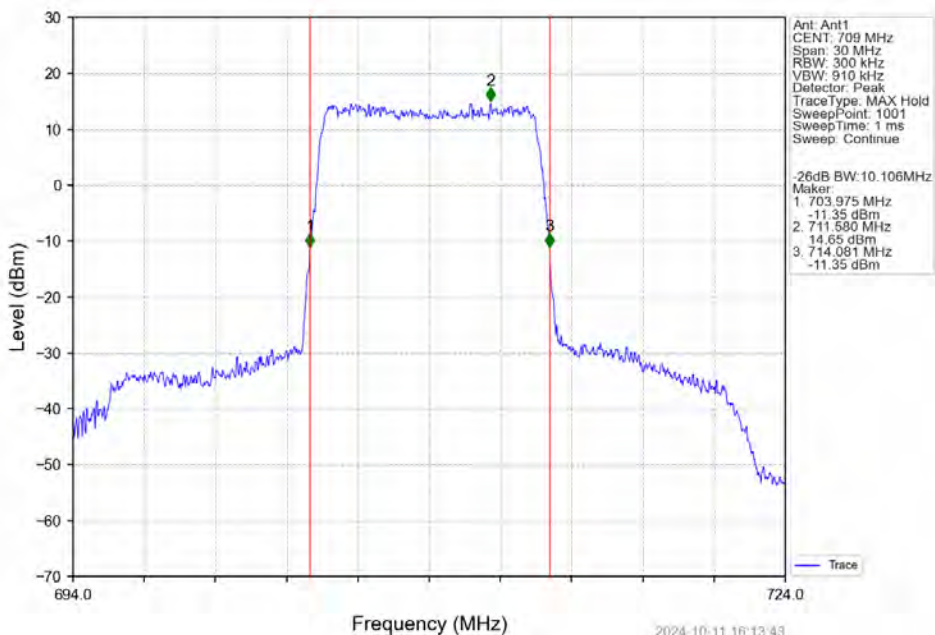
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



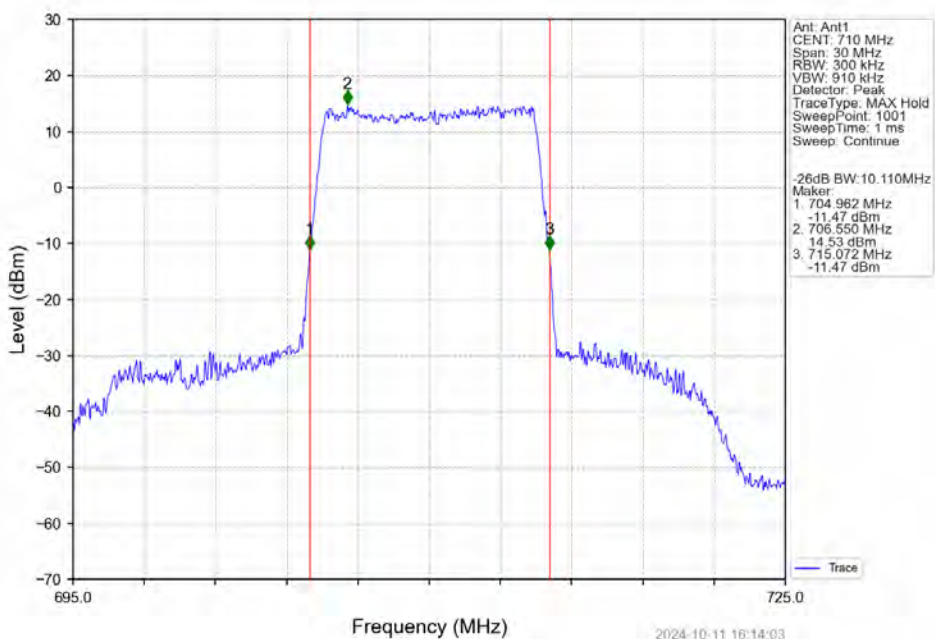
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



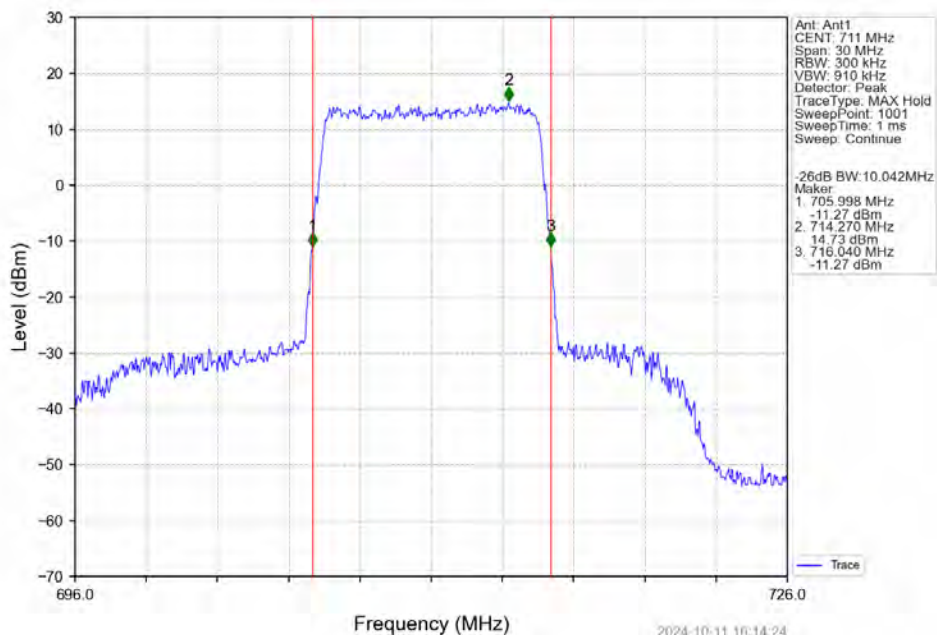
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



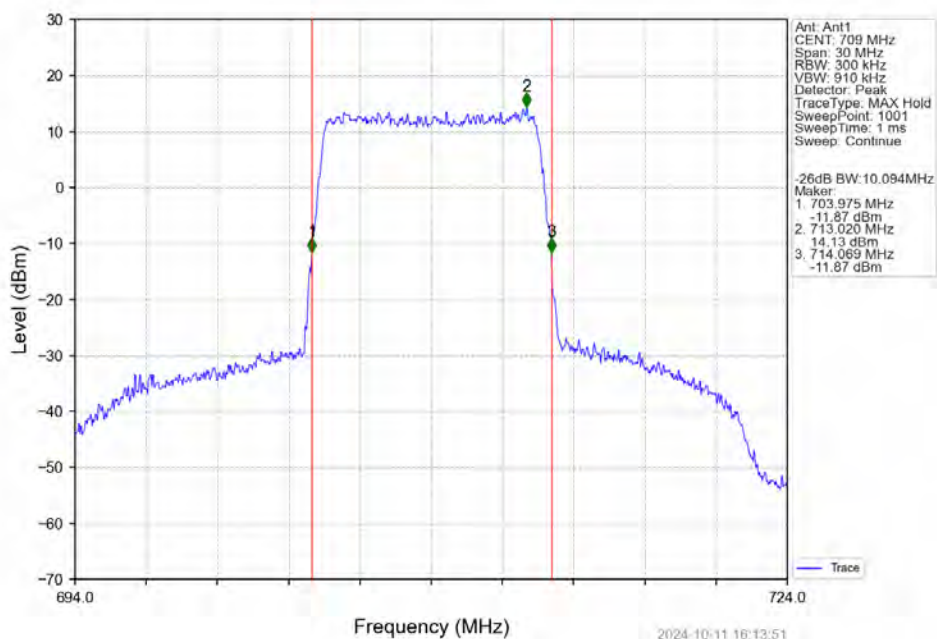
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



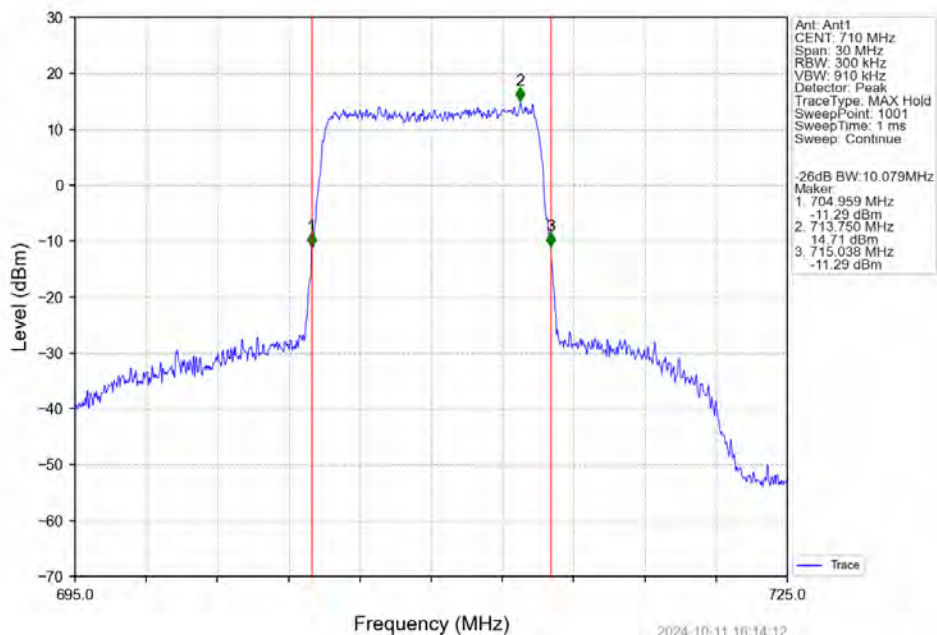
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



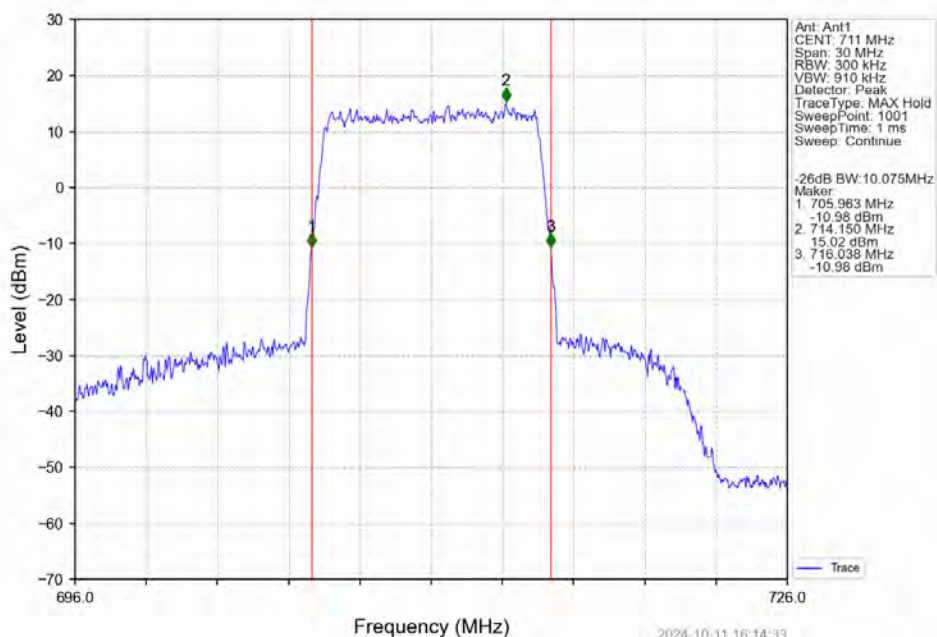
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



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

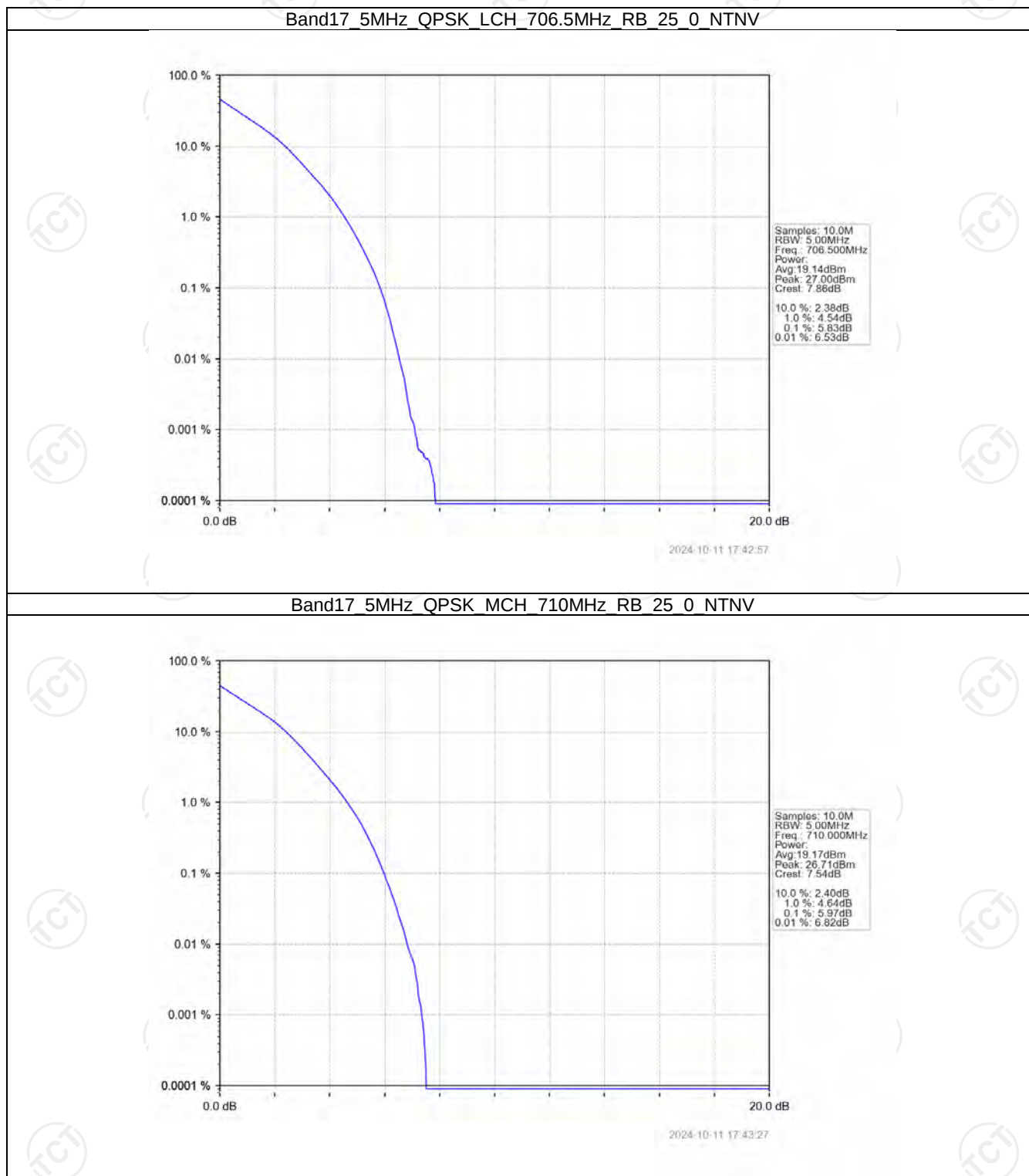
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.83	<=13	Pass
	710	25	0	5.97	<=13	Pass
	713.5	25	0	5.69	<=13	Pass
16QAM	706.5	25	0	6.49	<=13	Pass
	710	25	0	6.64	<=13	Pass
	713.5	25	0	6.43	<=13	Pass

5.1.2 B17_10MHz

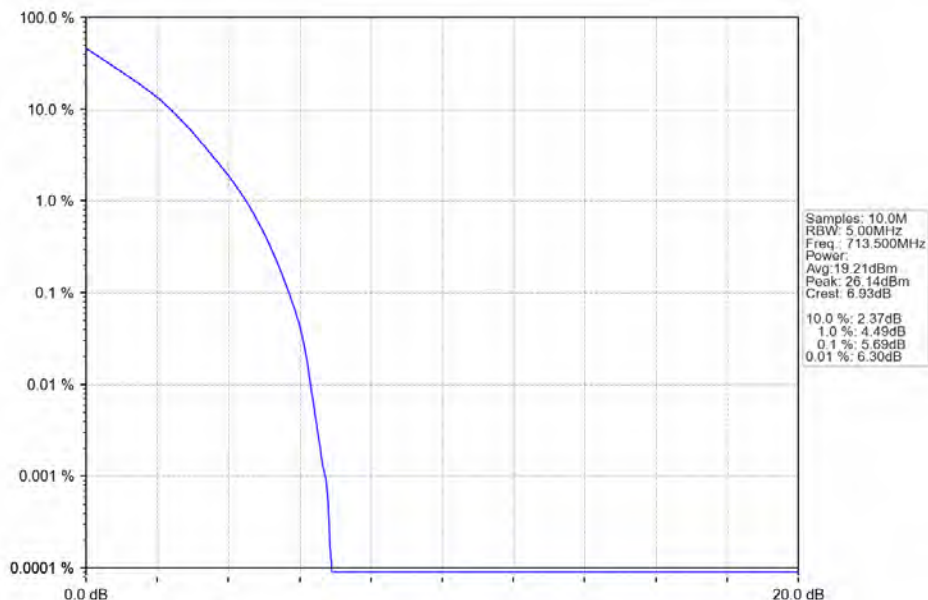
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.95	<=13	Pass
	710	50	0	5.93	<=13	Pass
	711	50	0	5.88	<=13	Pass
16QAM	709	50	0	6.66	<=13	Pass
	710	50	0	6.66	<=13	Pass
	711	50	0	6.56	<=13	Pass

5.2 Test Graph

5.2.1 B17_5MHz

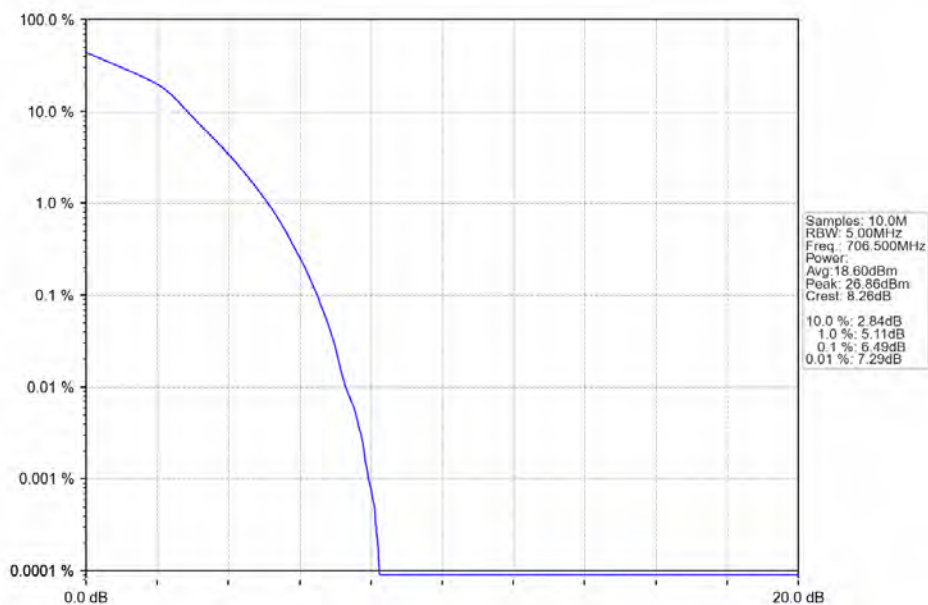


Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



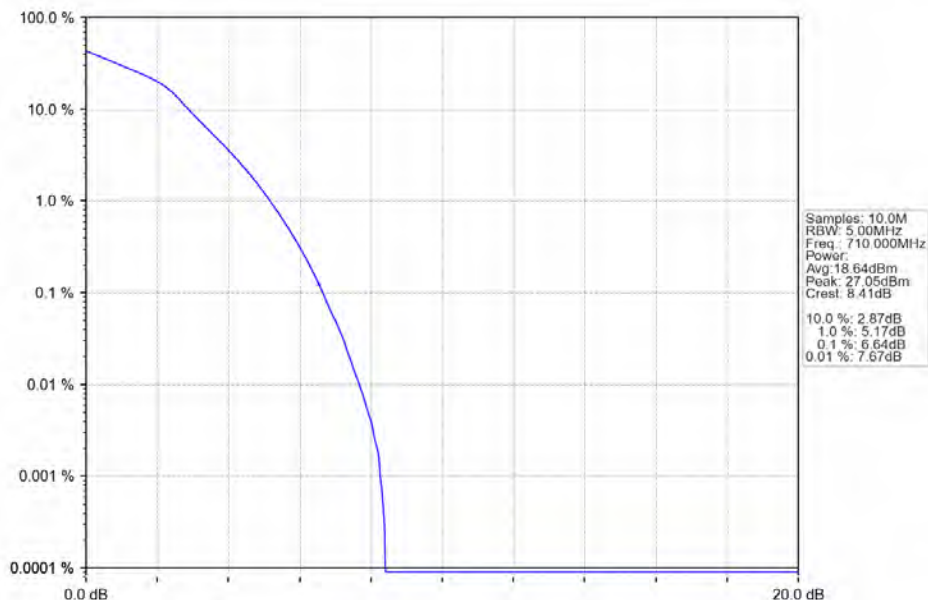
2024-10-11 17:43:56

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



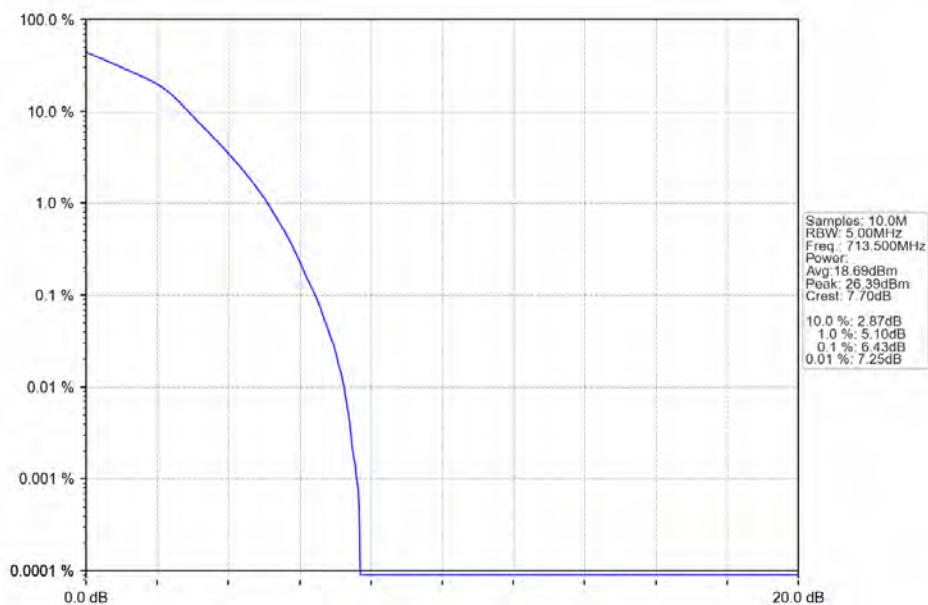
2024-10-11 17:43:11

Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



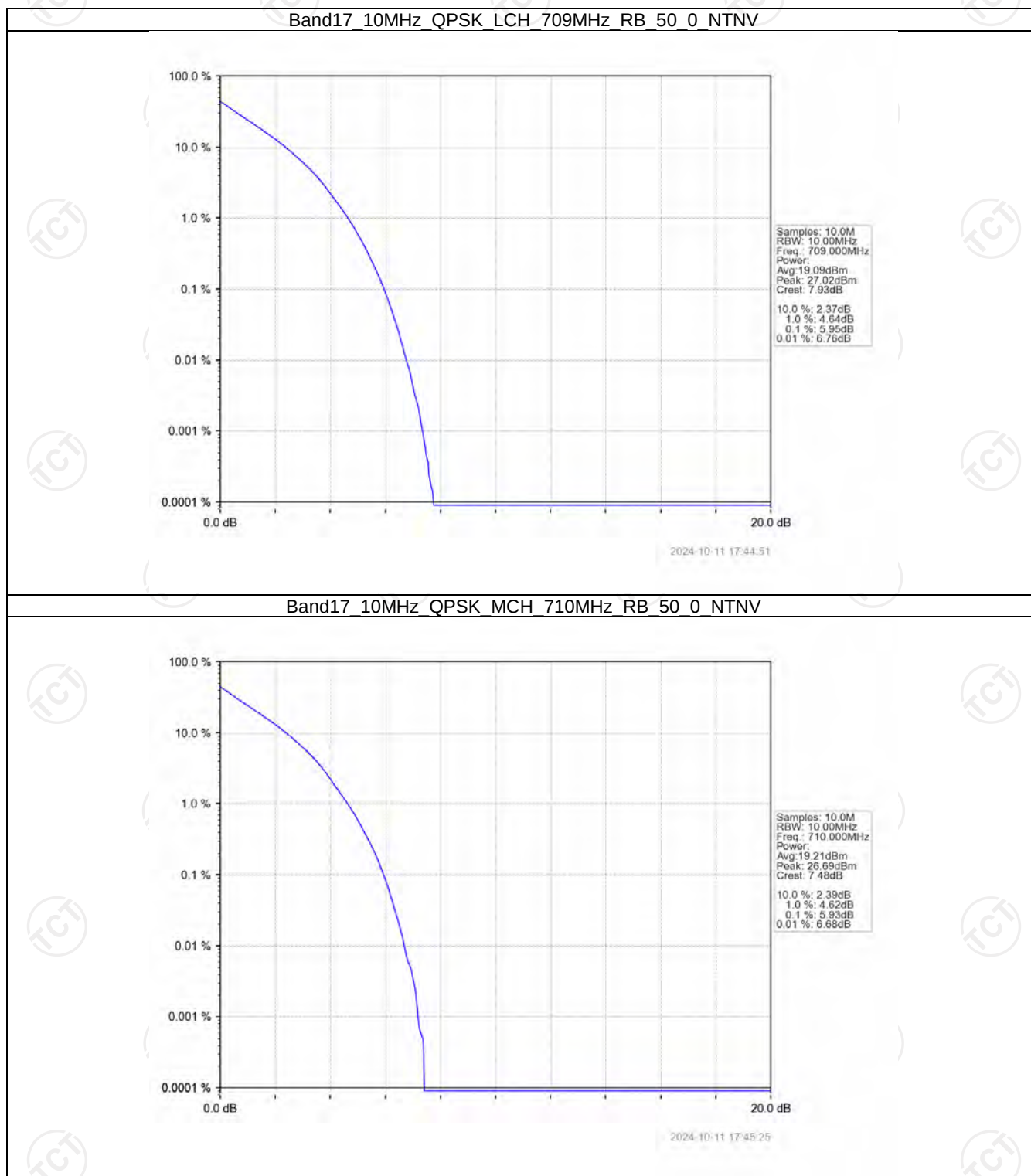
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Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

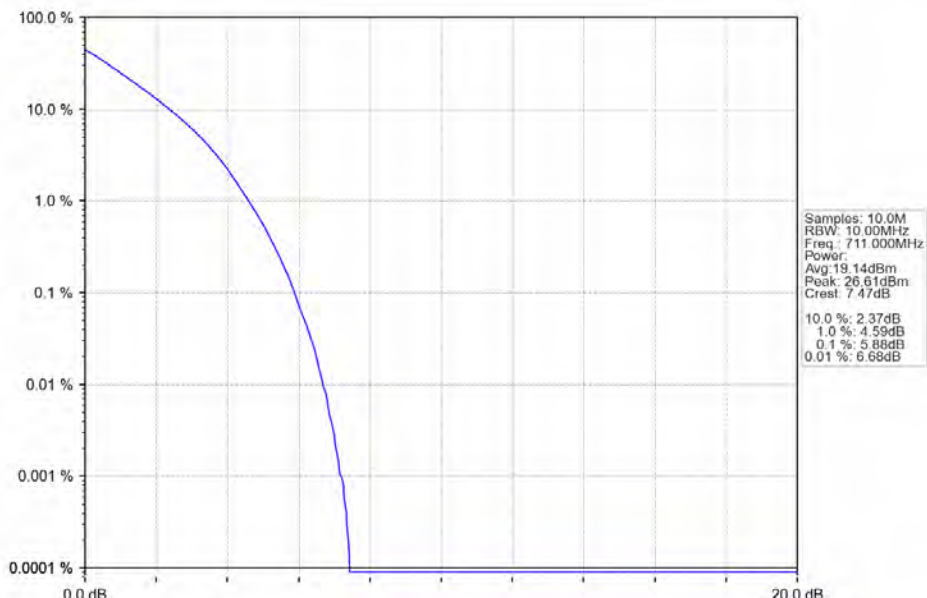


2024-10-11 17:44:08

5.2.2 B17_10MHz

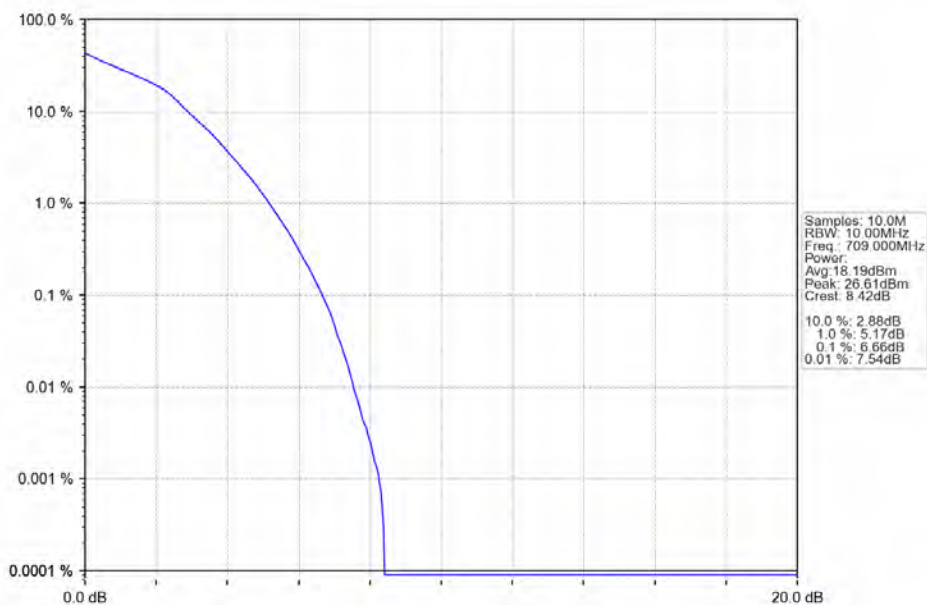


Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



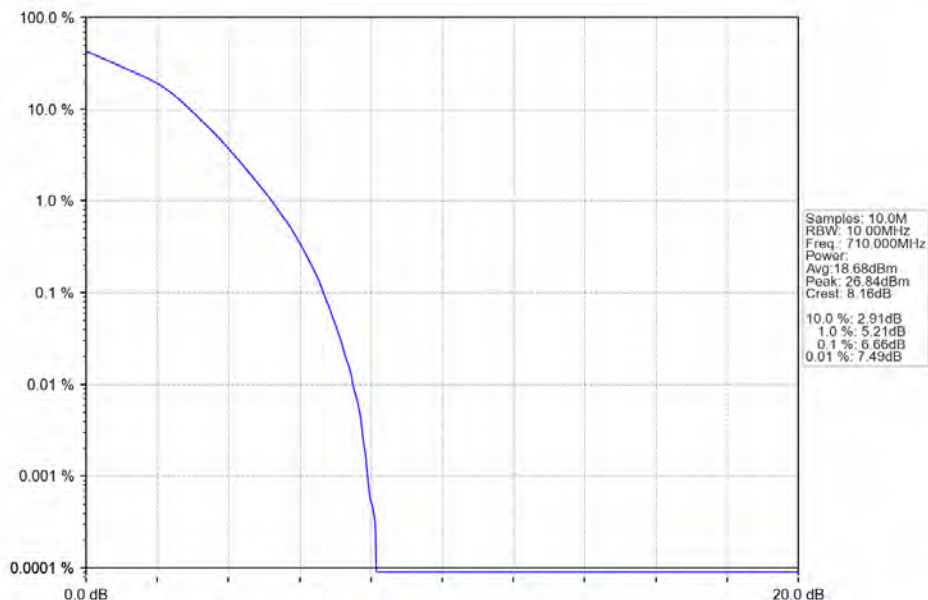
2024-10-11 17:45:59

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



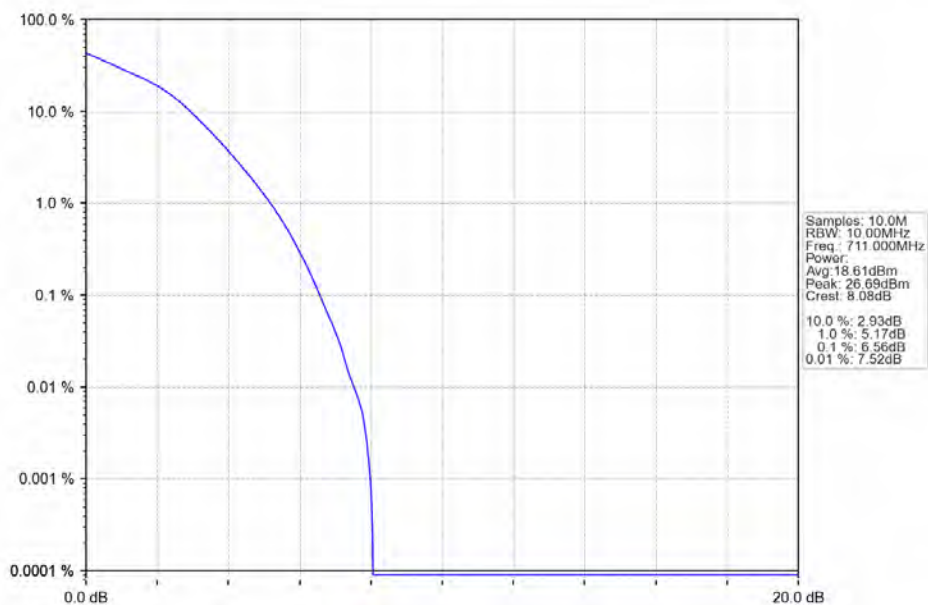
2024-10-11 17:45:07

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



2024-10-11 17:45:41

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



2024-10-11 17:46:14

6. Spurious Emission

6.1 Test Result

6.1.1 B17_5MHz

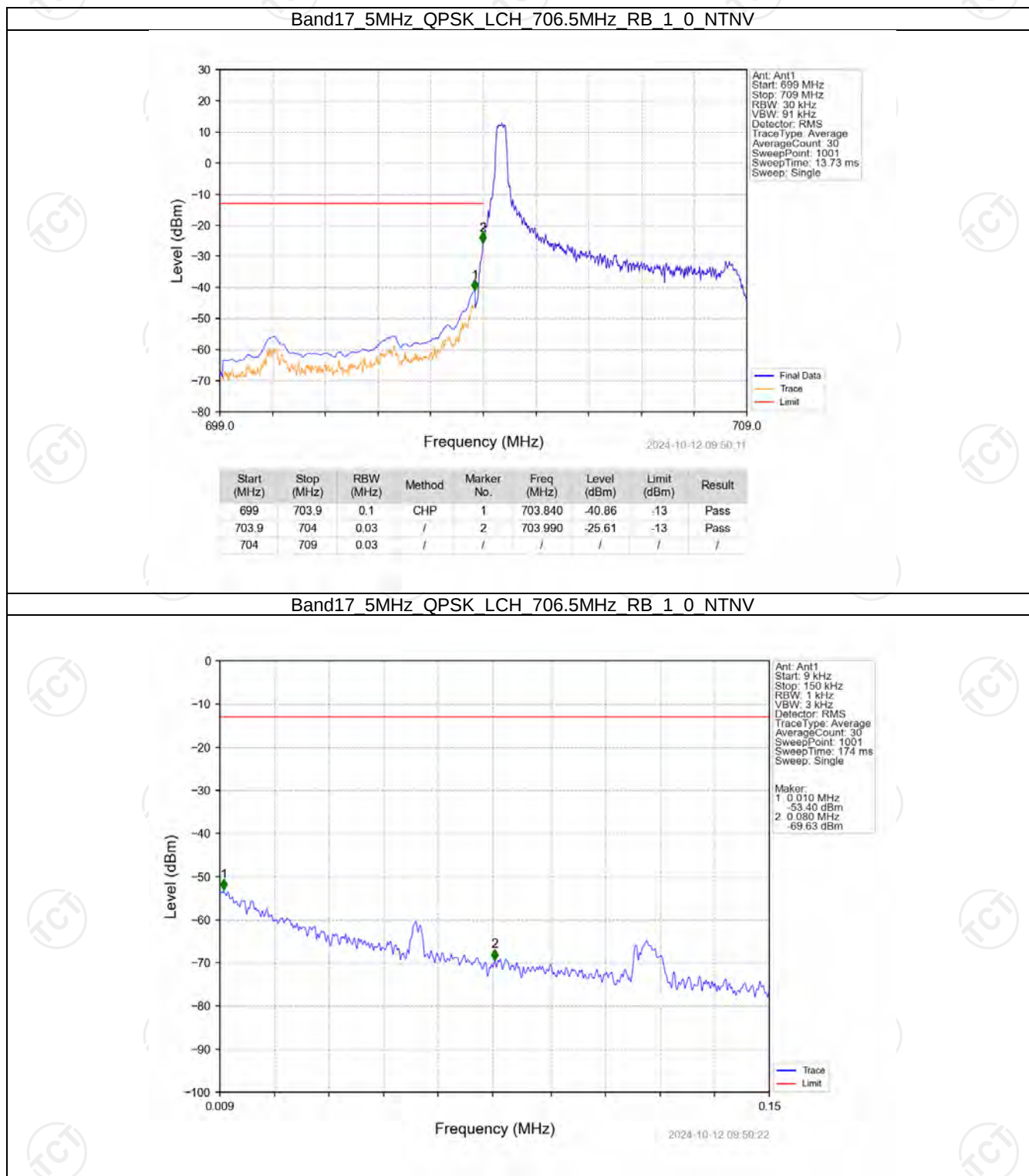
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph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

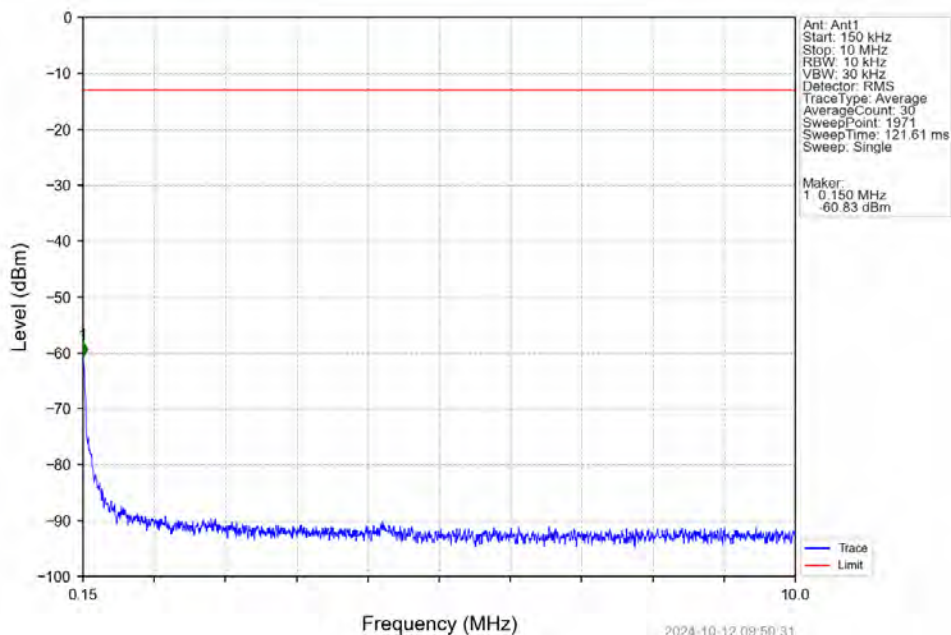
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

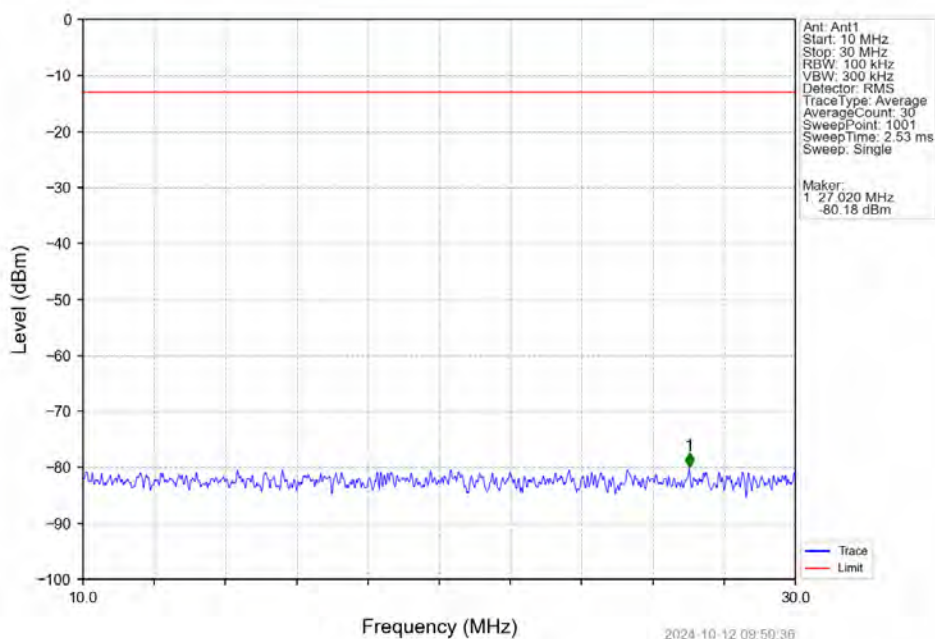
6.2.1 B17_5MHz



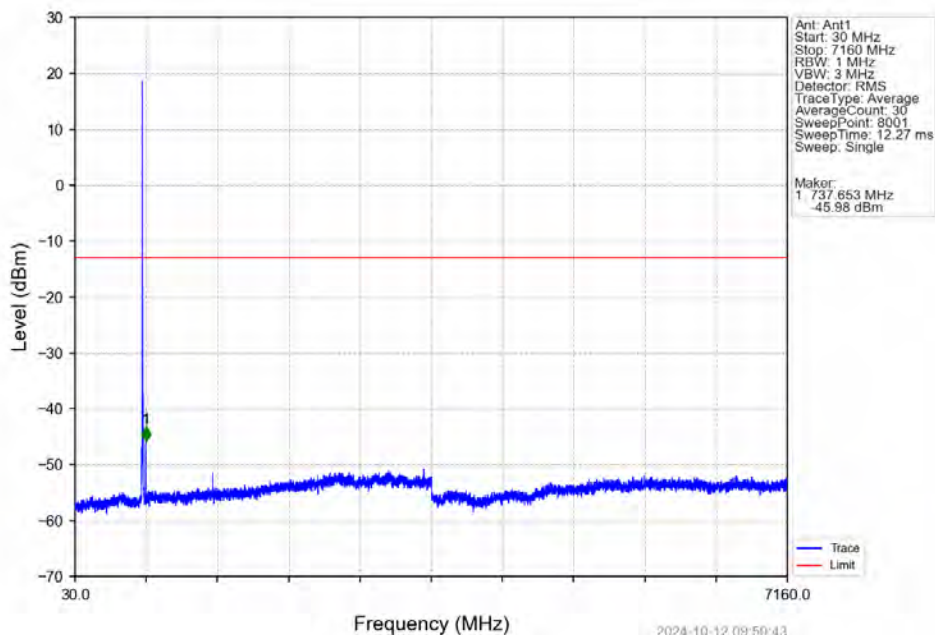
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV



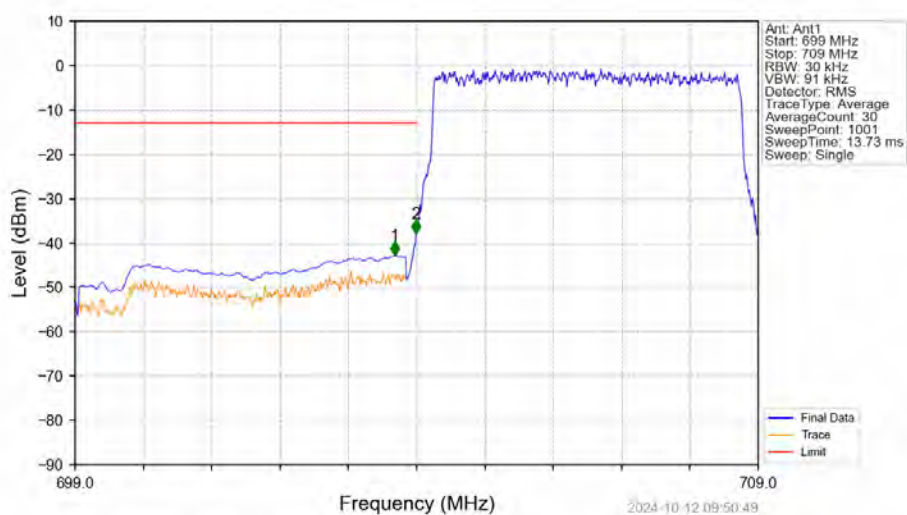
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV



Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN

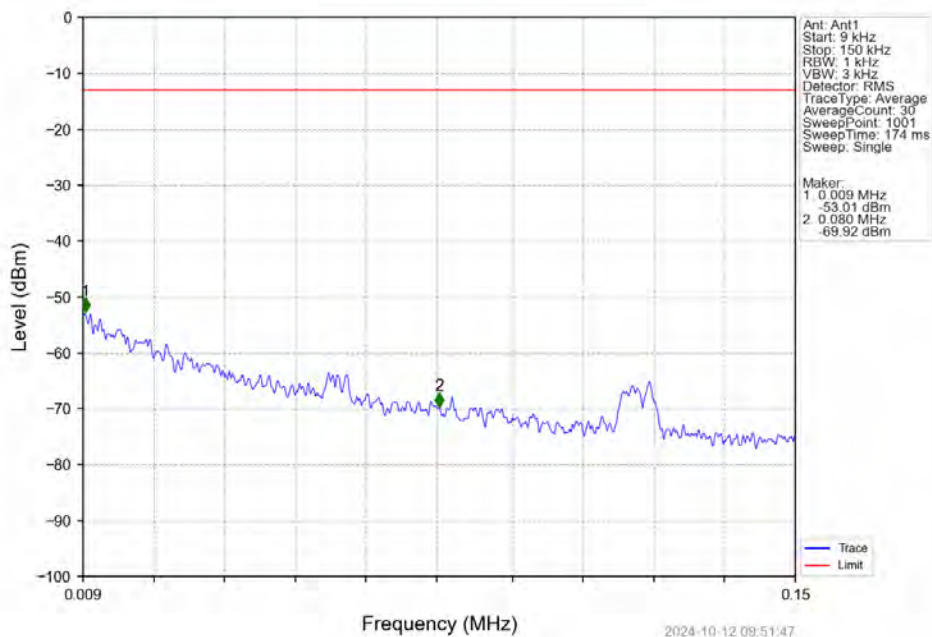


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0 NTN

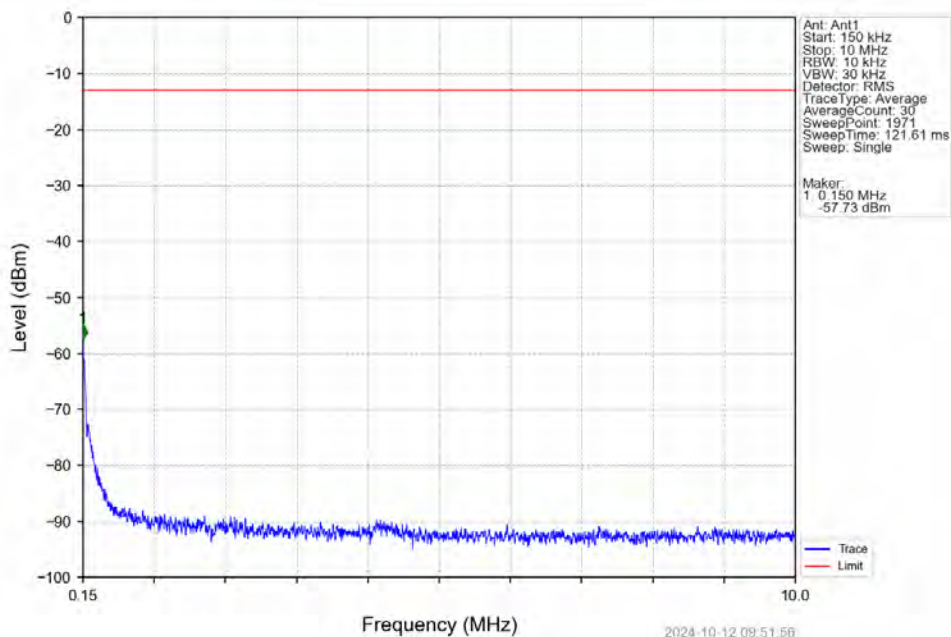


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.680	-42.85	-13	Pass
703.9	704	0.03	/	2	703.990	-37.92	-13	Pass
704	709	0.03	/	/	/	/	/	/

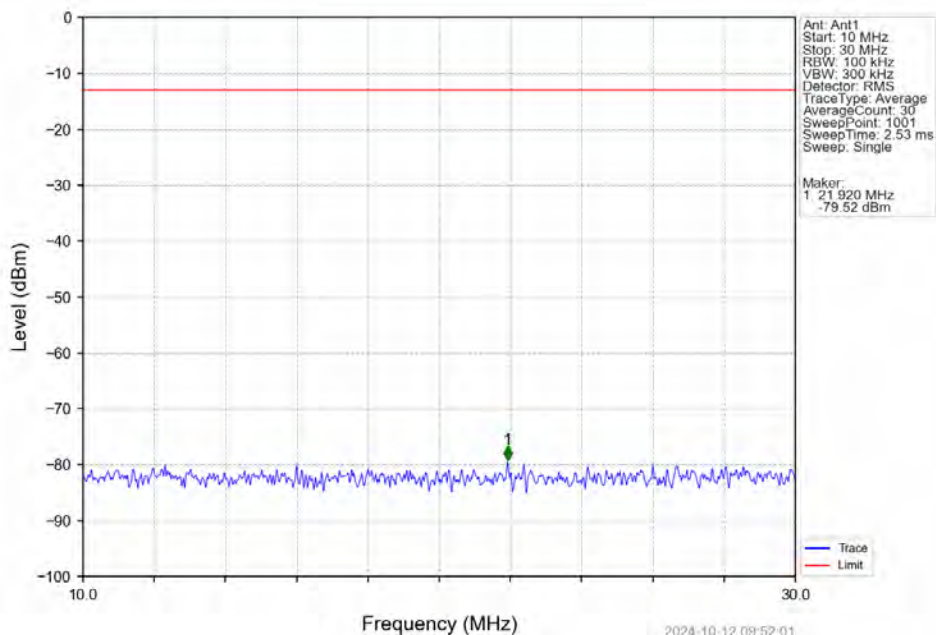
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTN



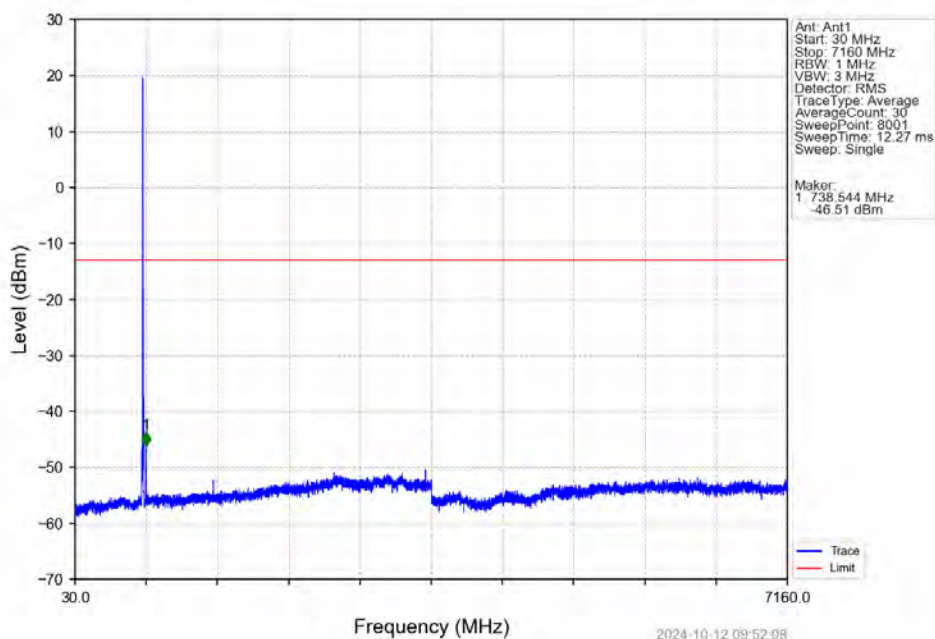
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTN



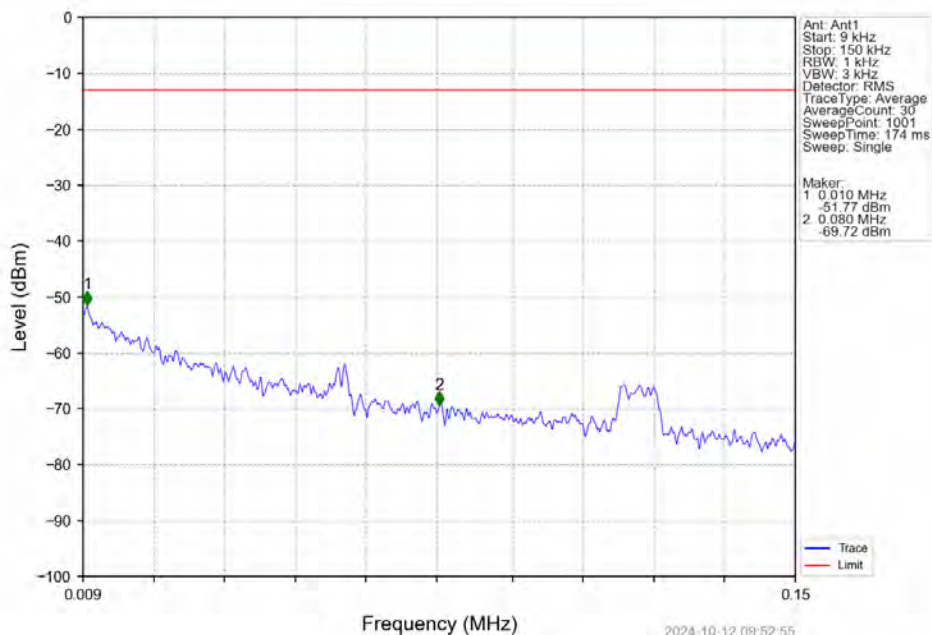
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV



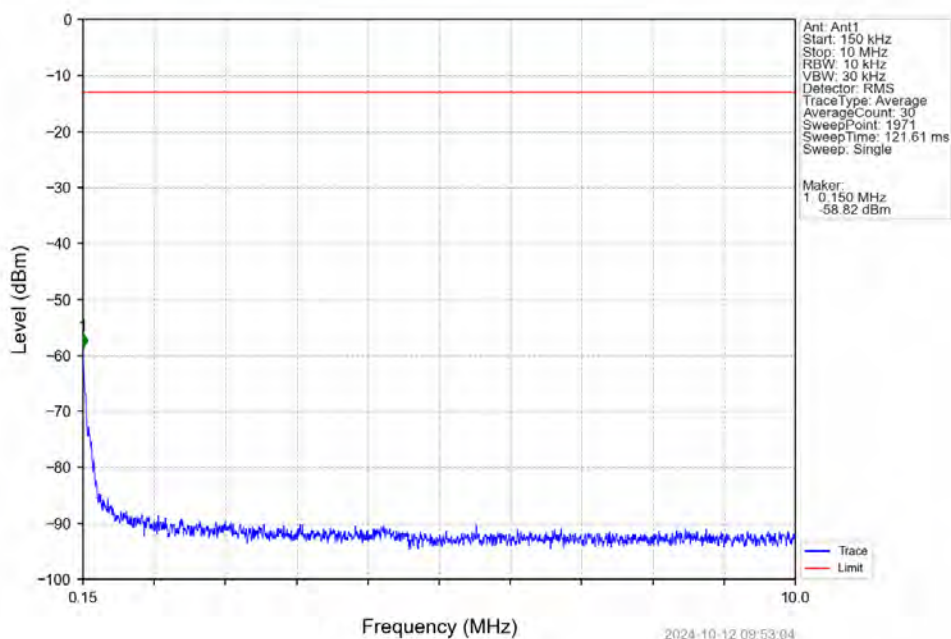
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV



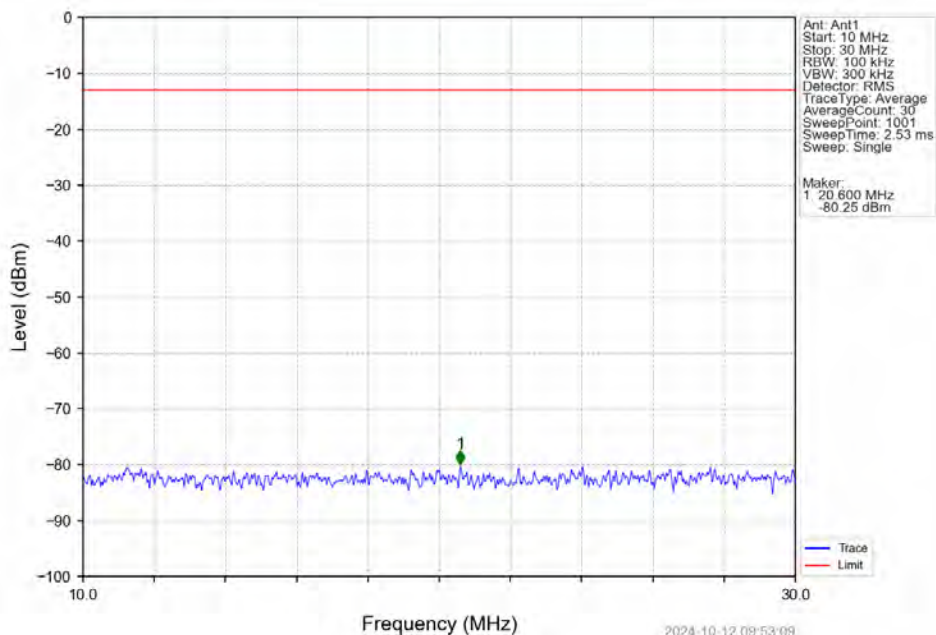
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



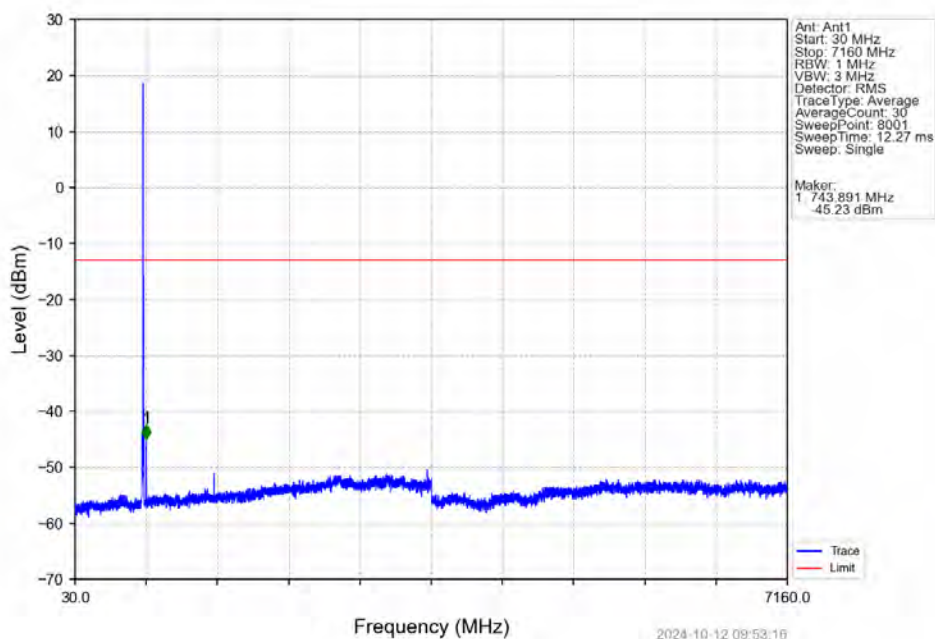
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



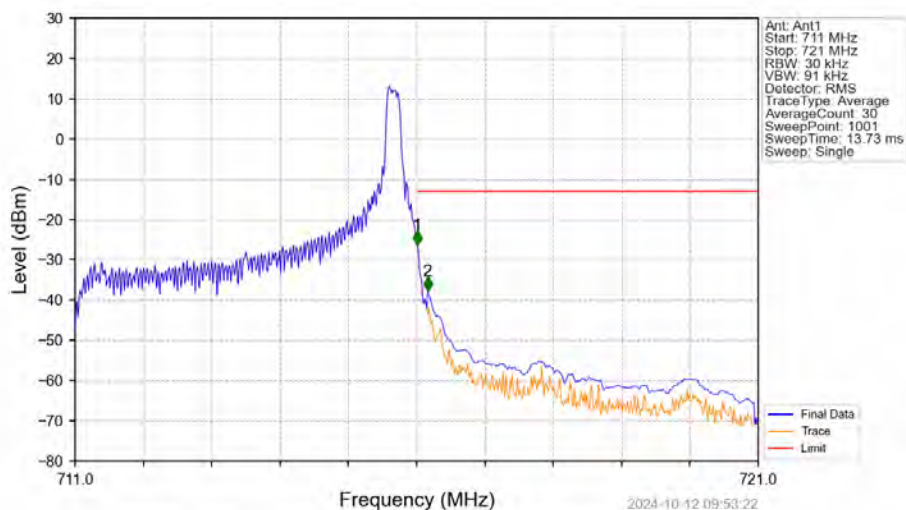
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV

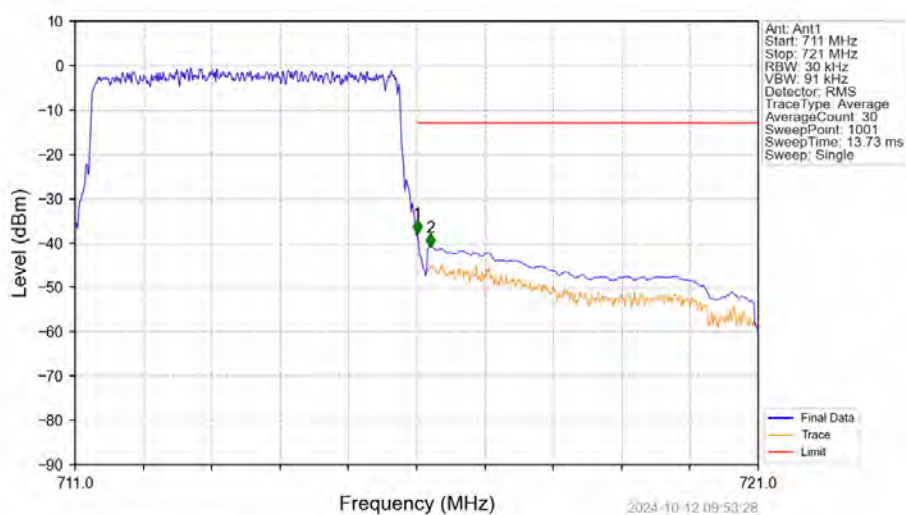


Band17 5MHz QPSK HCH 713.5MHz RB 1 24 NTV



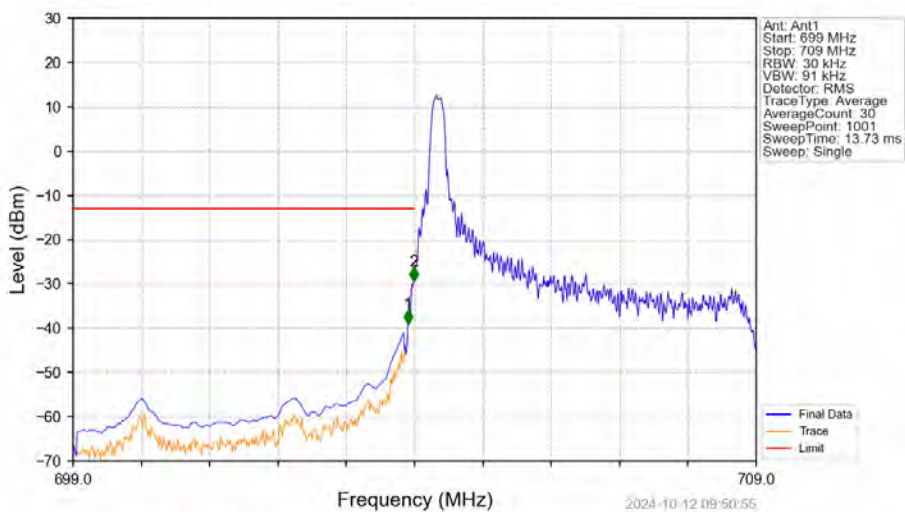
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-26.22	-13	Pass
716.1	721	0.1	CHP	2	716.160	-37.62	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV

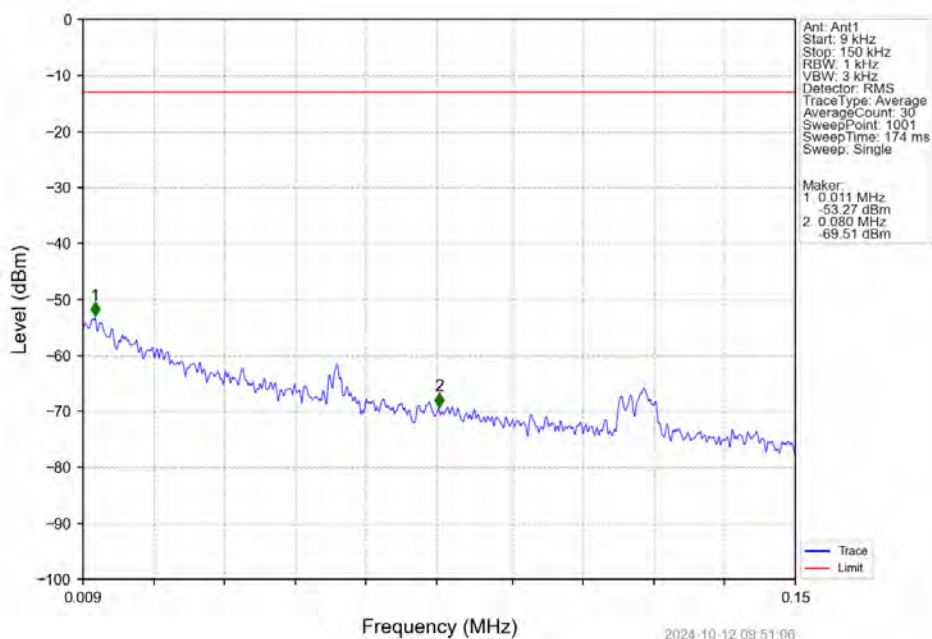


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-37.80	-13	Pass
716.1	721	0.1	CHP	2	716.200	-40.91	-13	Pass

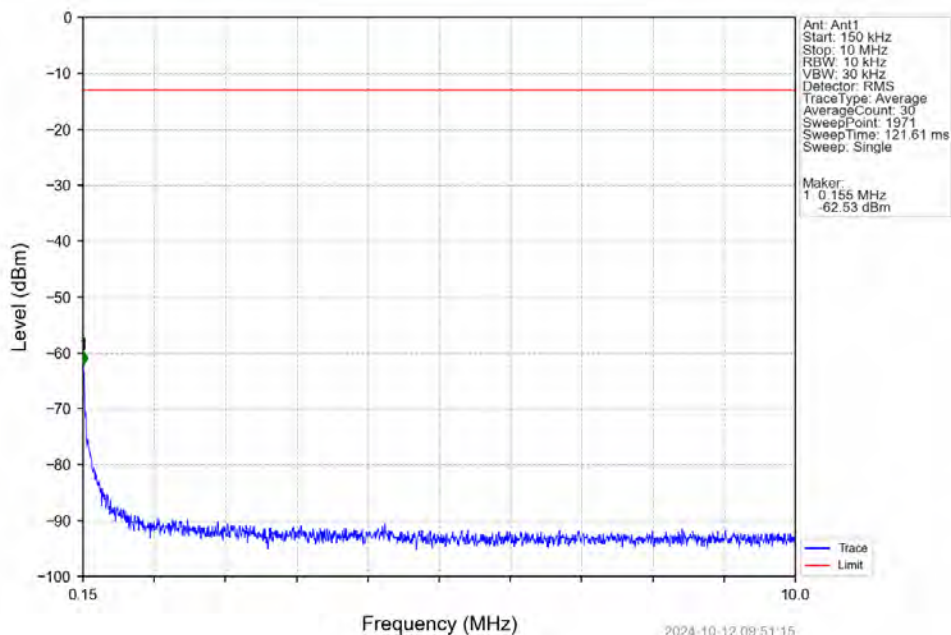
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



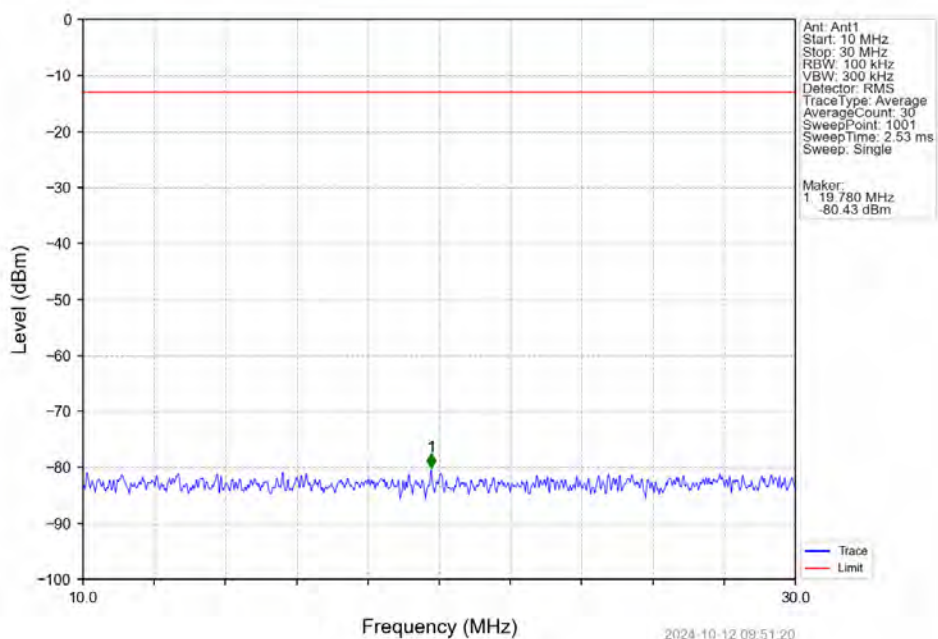
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



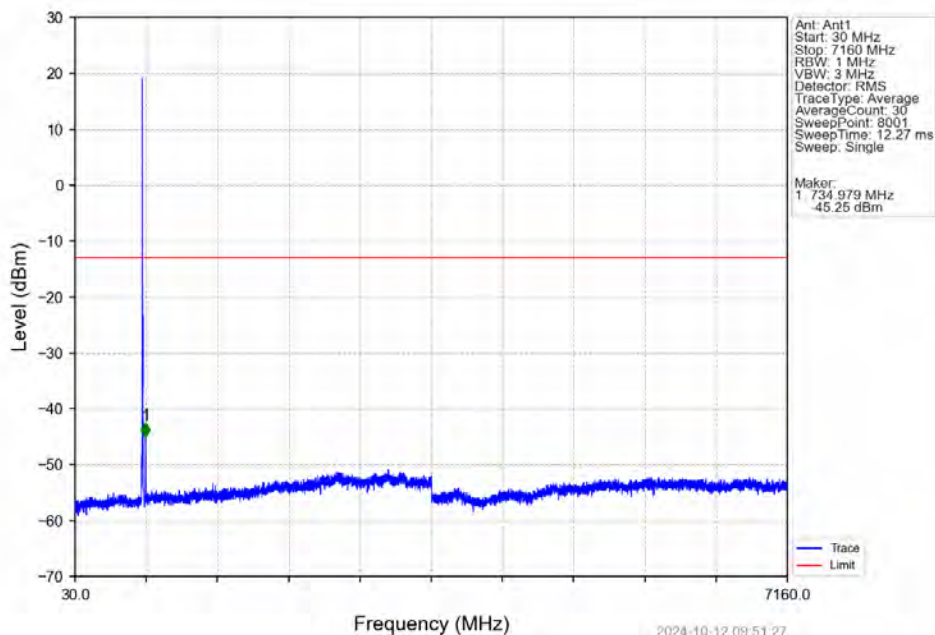
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



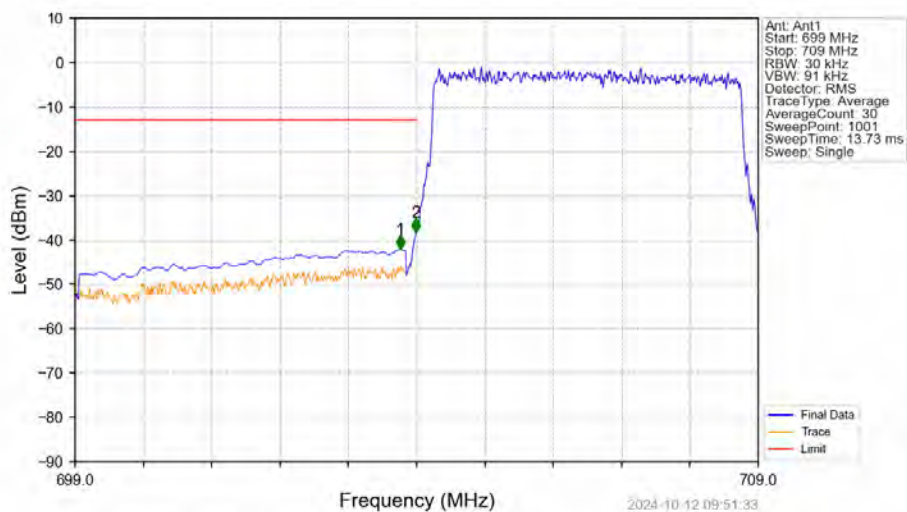
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



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

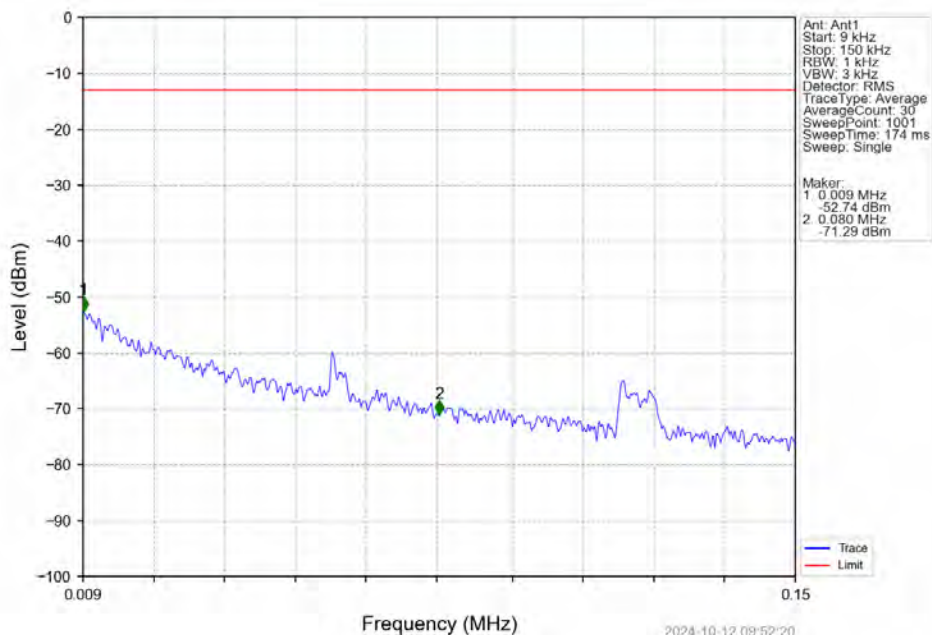


Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV

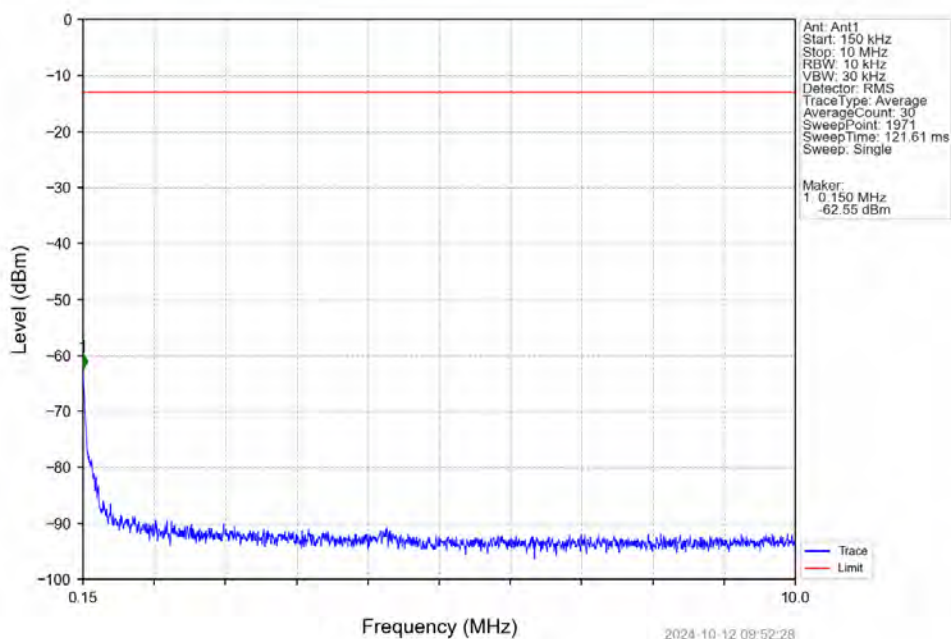


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.760	-42.00	-13	Pass
703.9	704	0.03	/	2	703.990	-38.14	-13	Pass
704	709	0.03	/	/	/	/	/	/

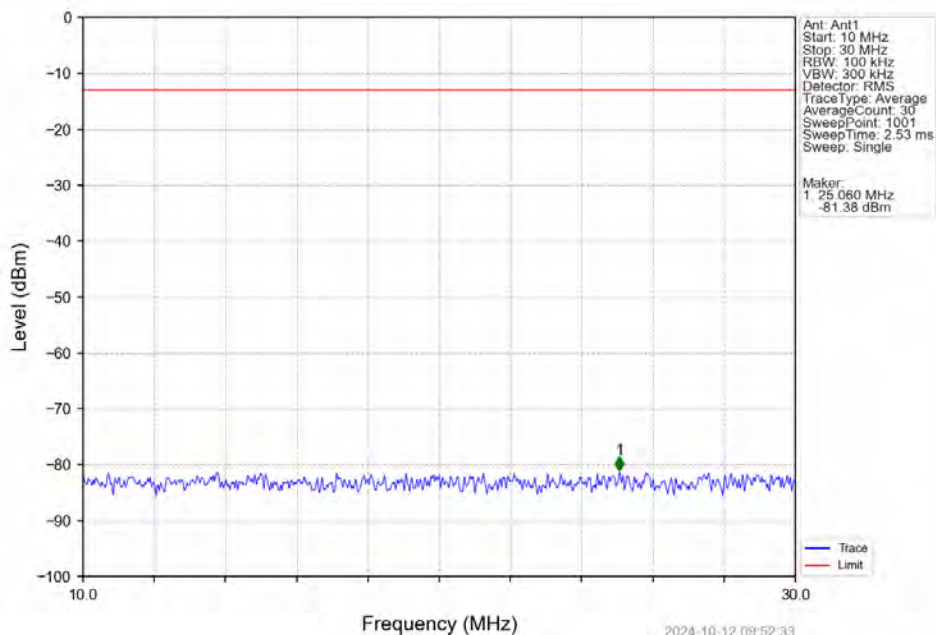
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



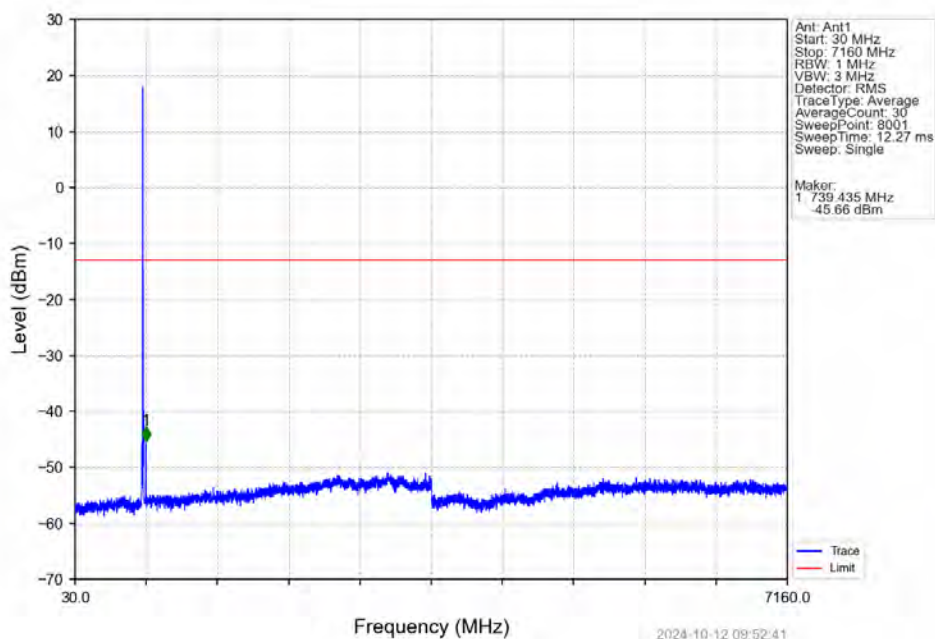
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



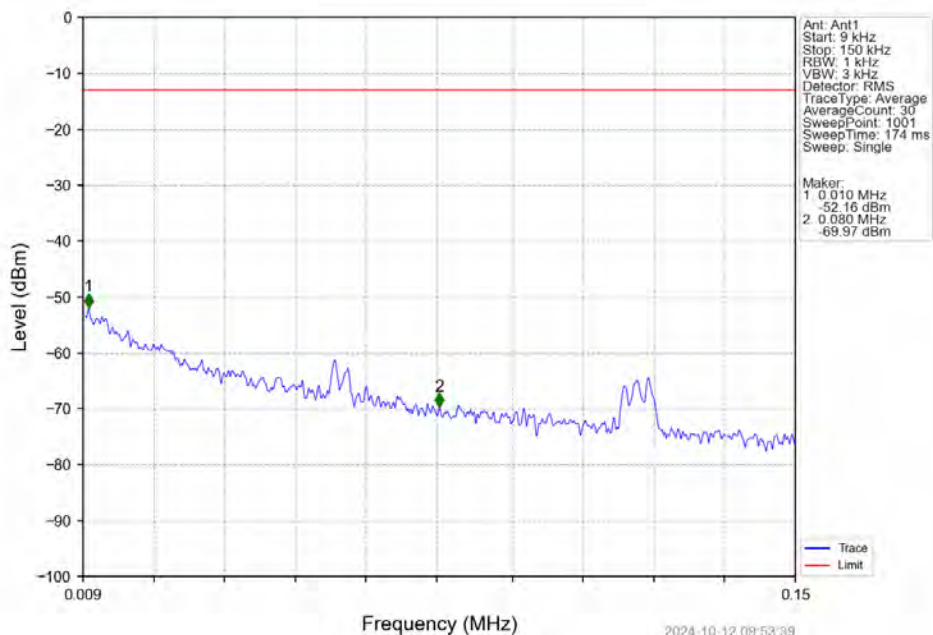
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



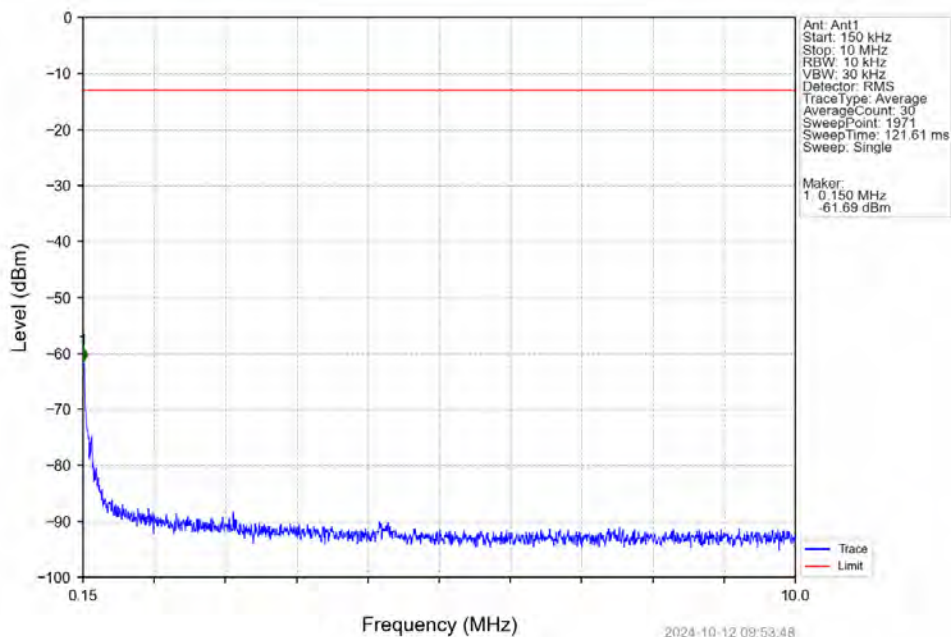
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



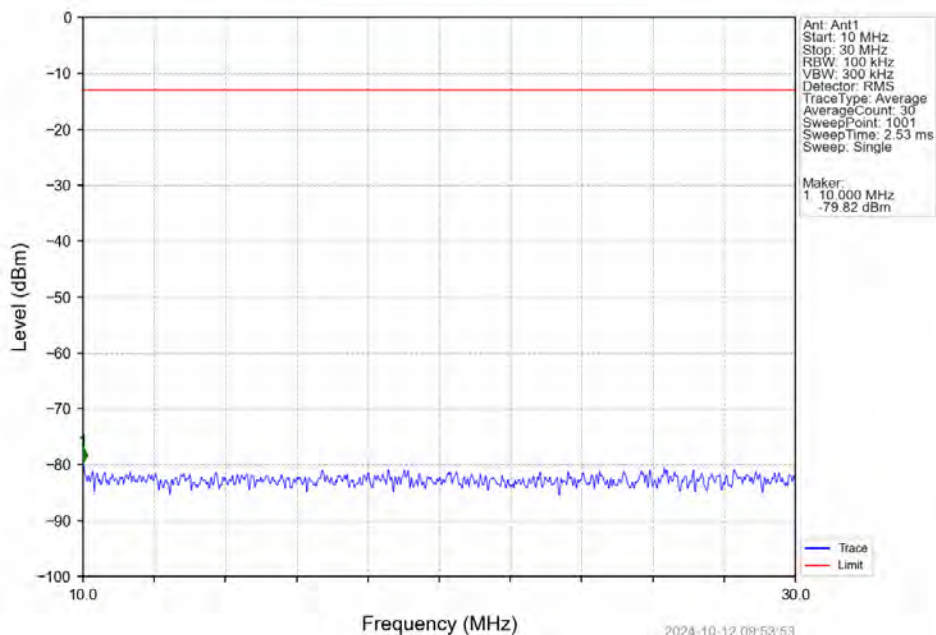
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



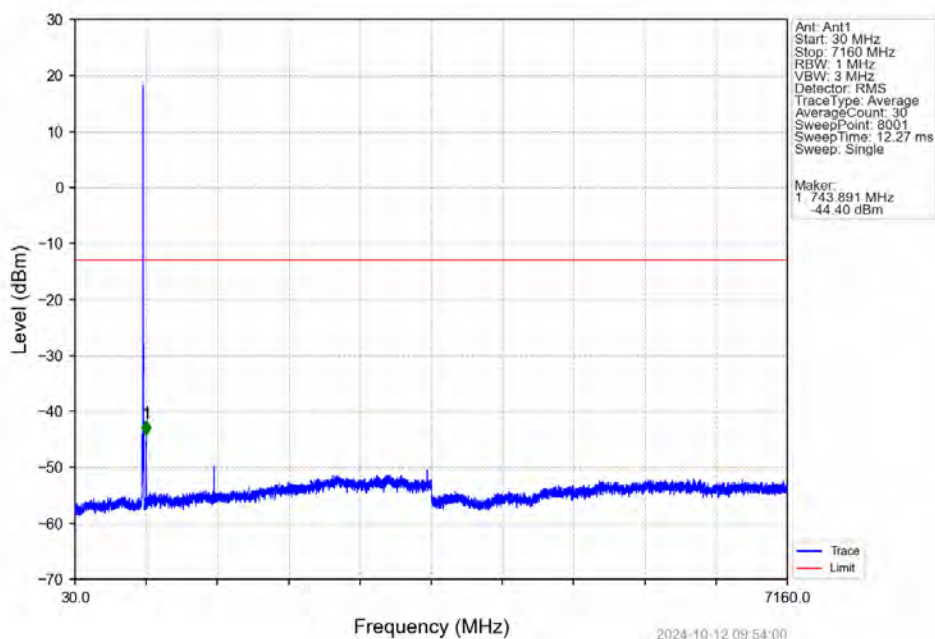
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



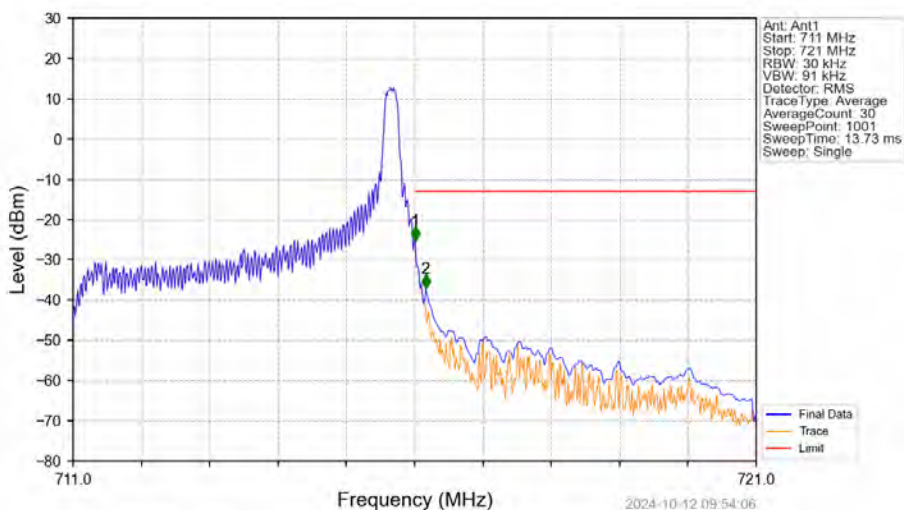
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV

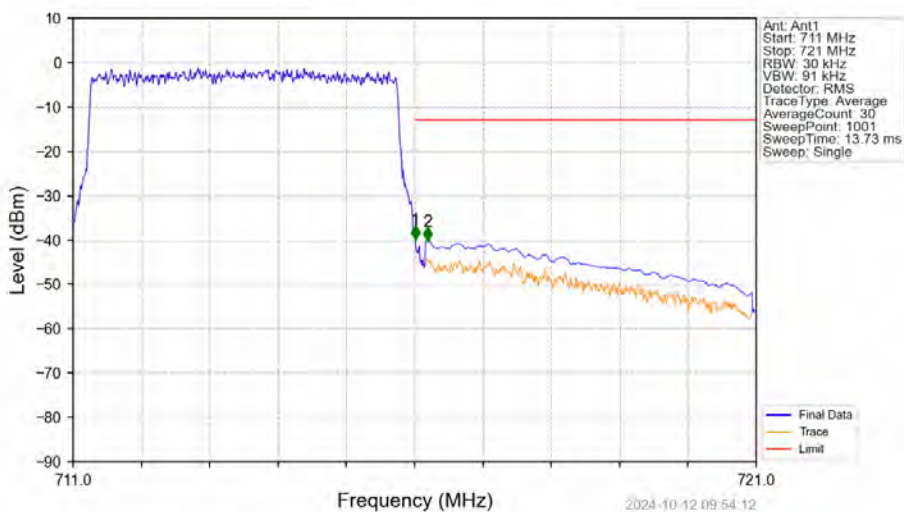


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



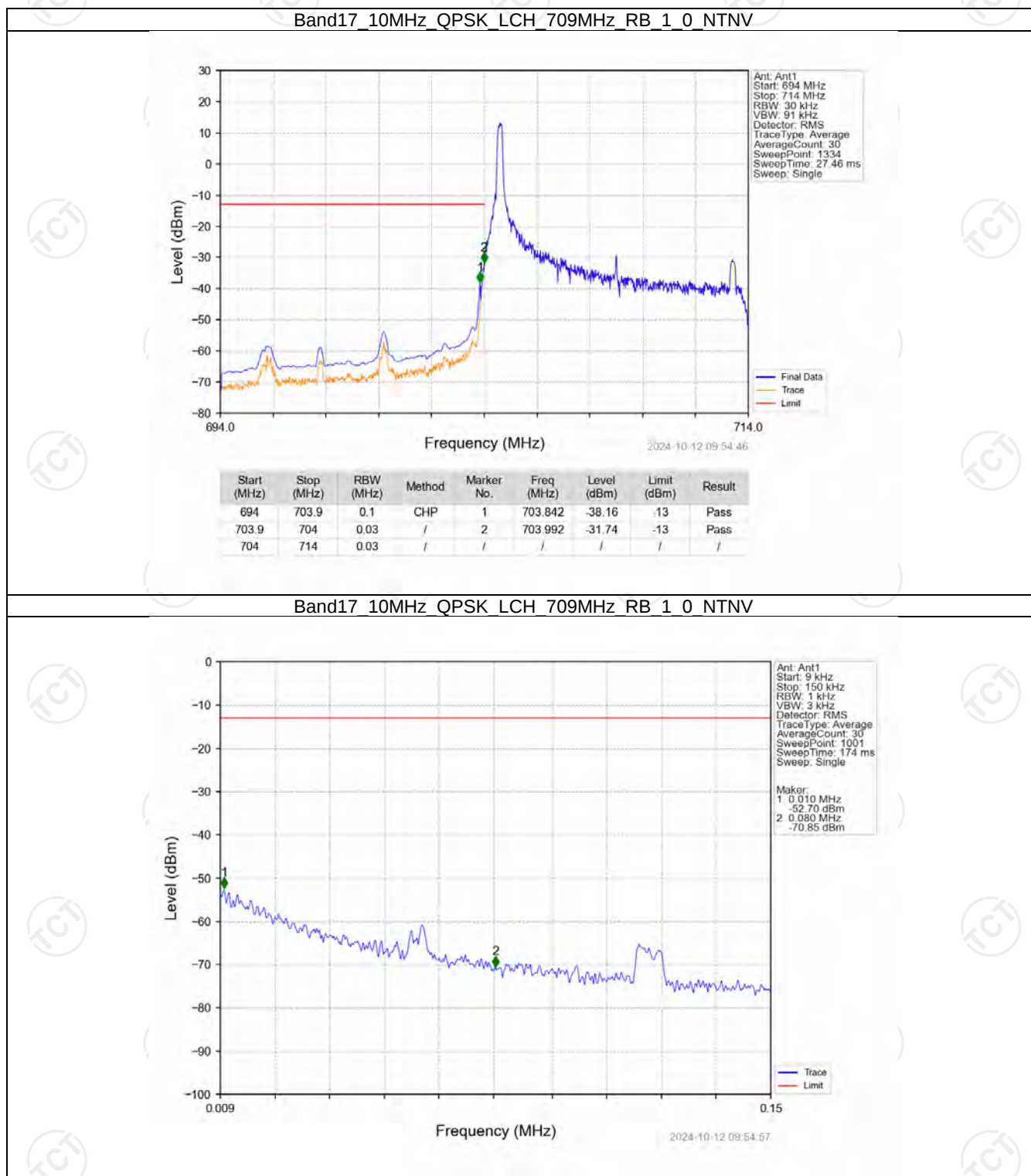
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-25.33	-13	Pass
716.1	721	0.1	CHP	2	716.160	-37.12	-13	Pass

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

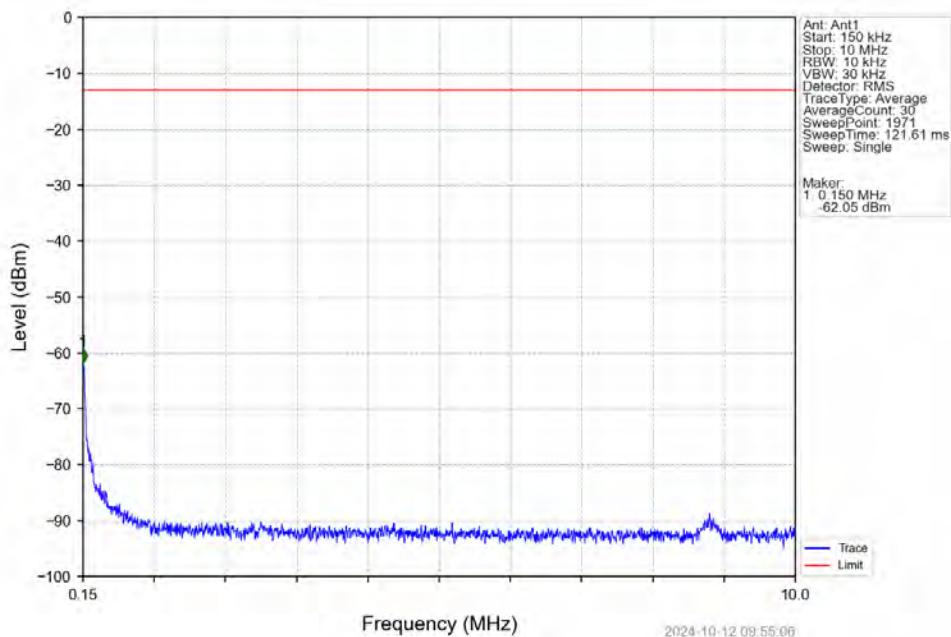


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-39.88	-13	Pass
716.1	721	0.1	CHP	2	716.190	-40.21	-13	Pass

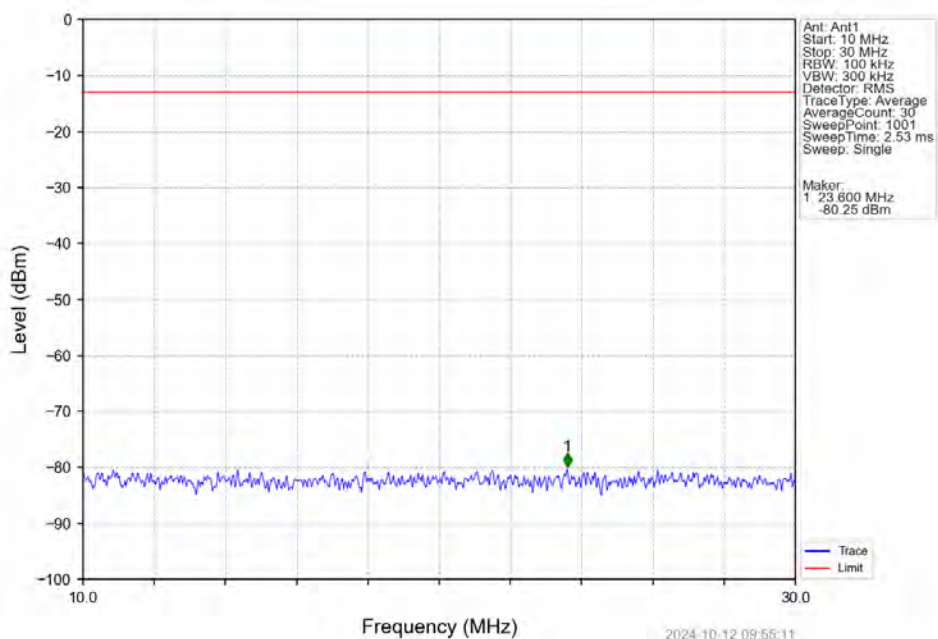
6.2.2 B17_10MHz



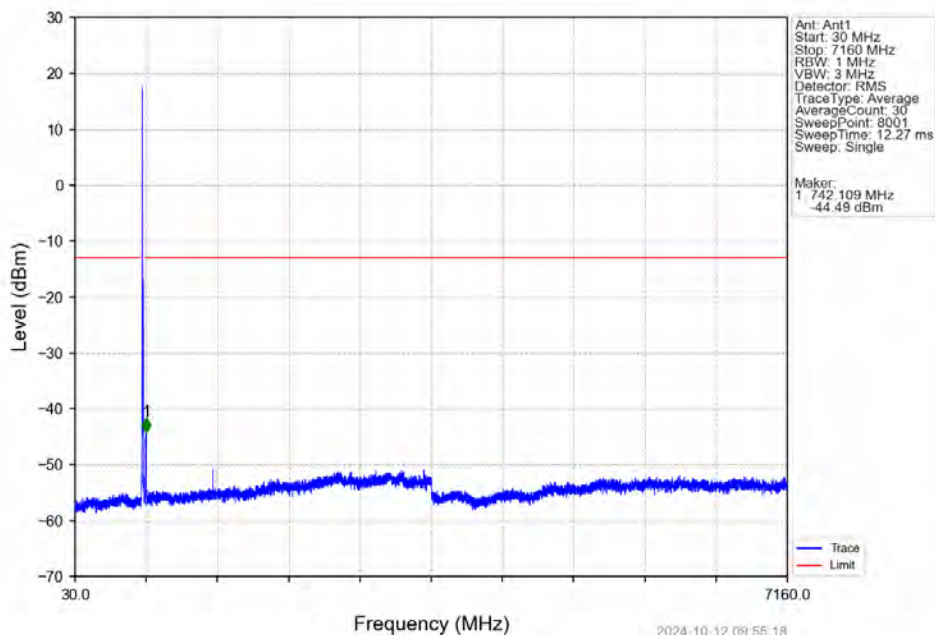
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV



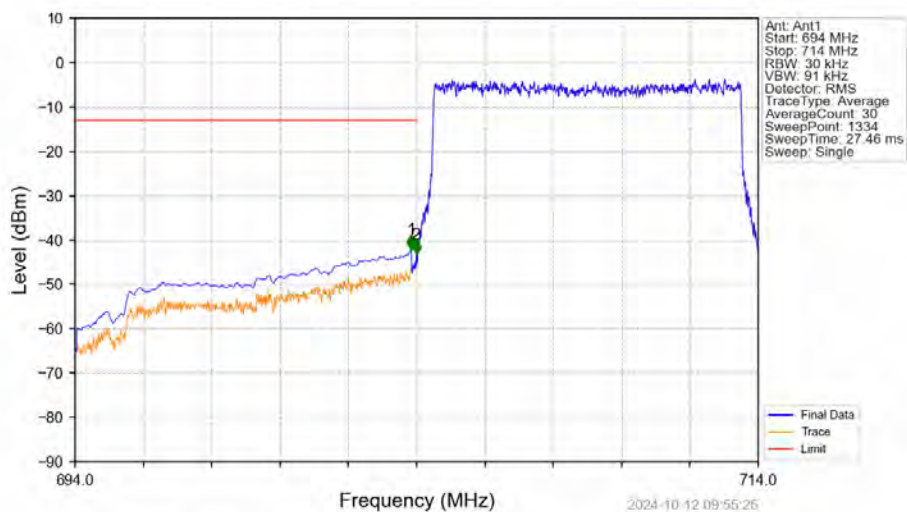
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV



Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN

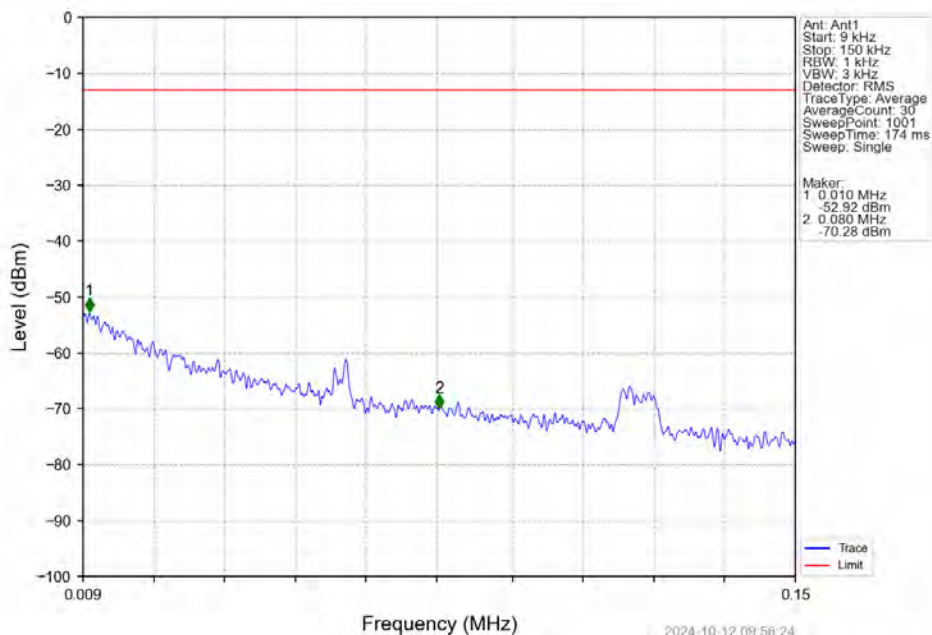


Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN

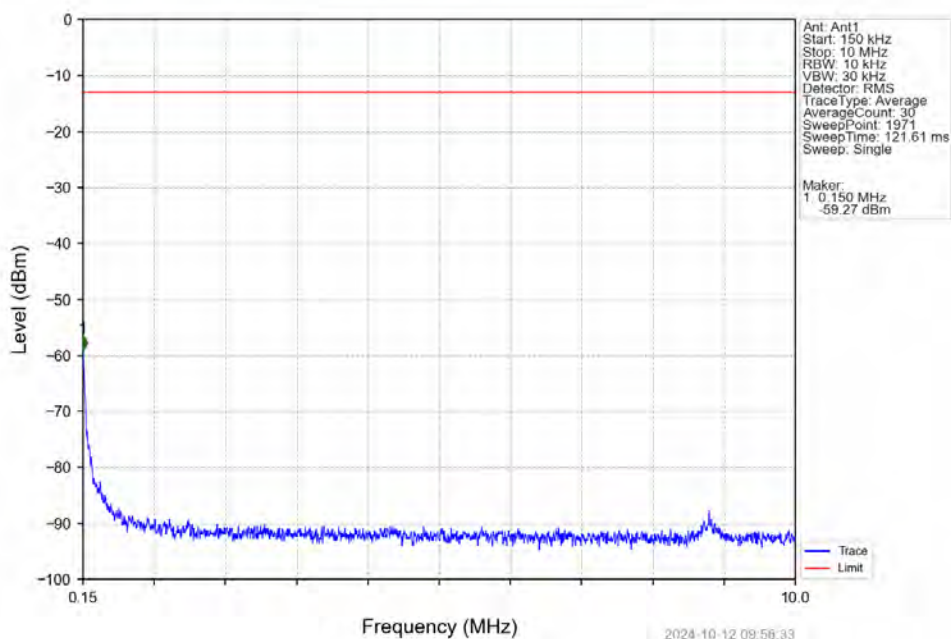


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-41.99	-13	Pass
703.9	704	0.03	/	2	703.992	-43.11	-13	Pass
704	714	0.03	/	/	/	/	/	/

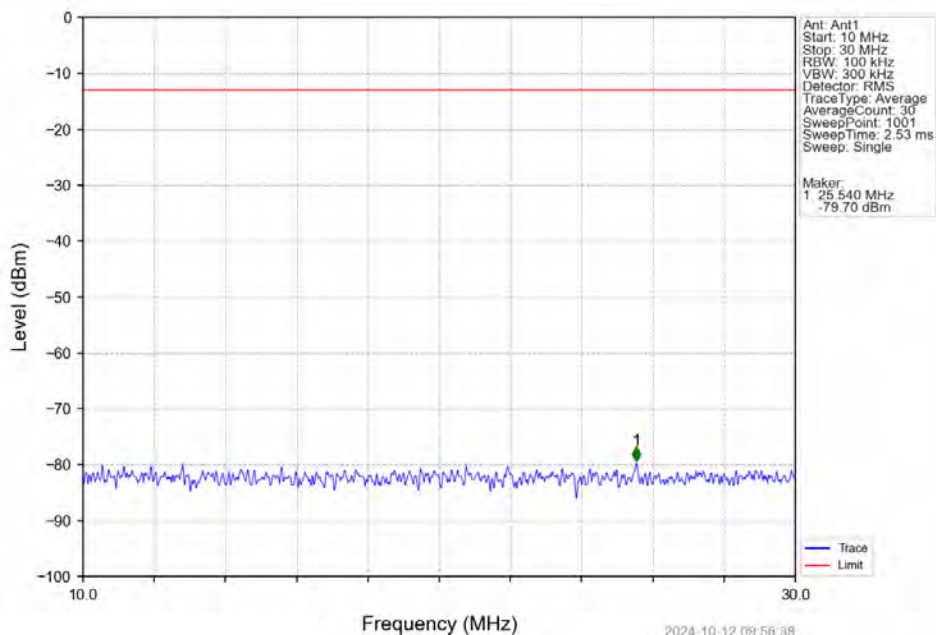
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



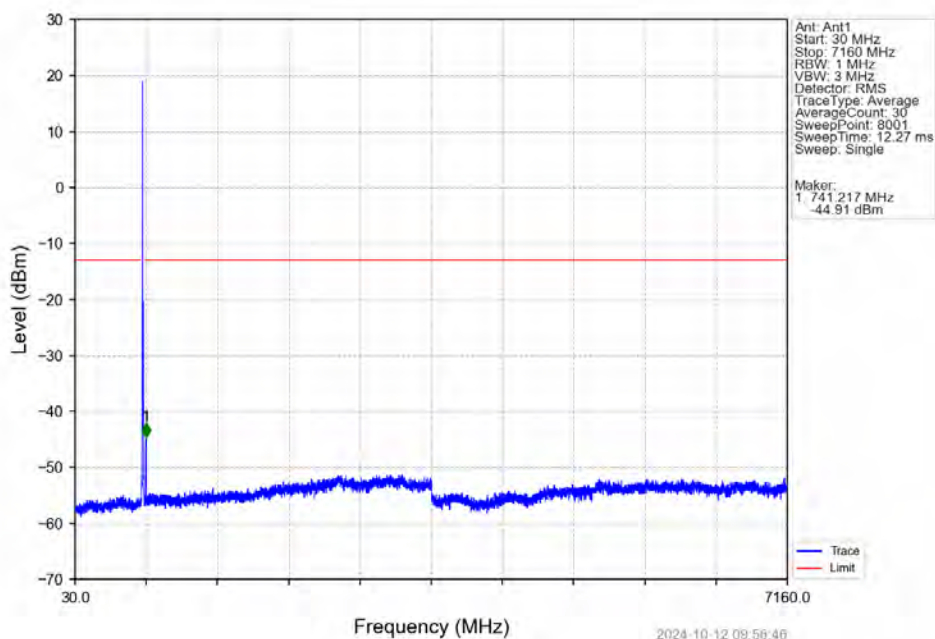
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



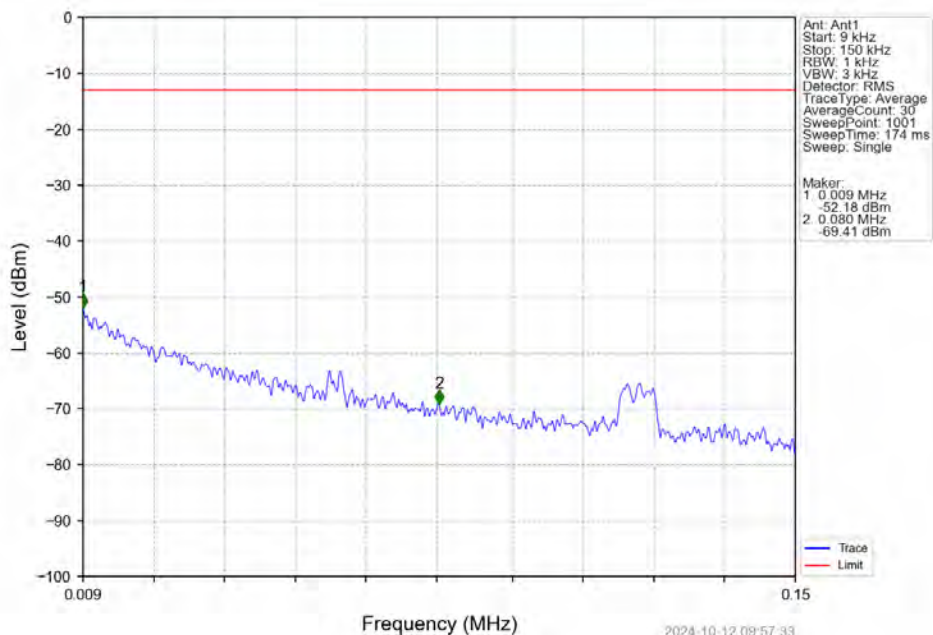
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



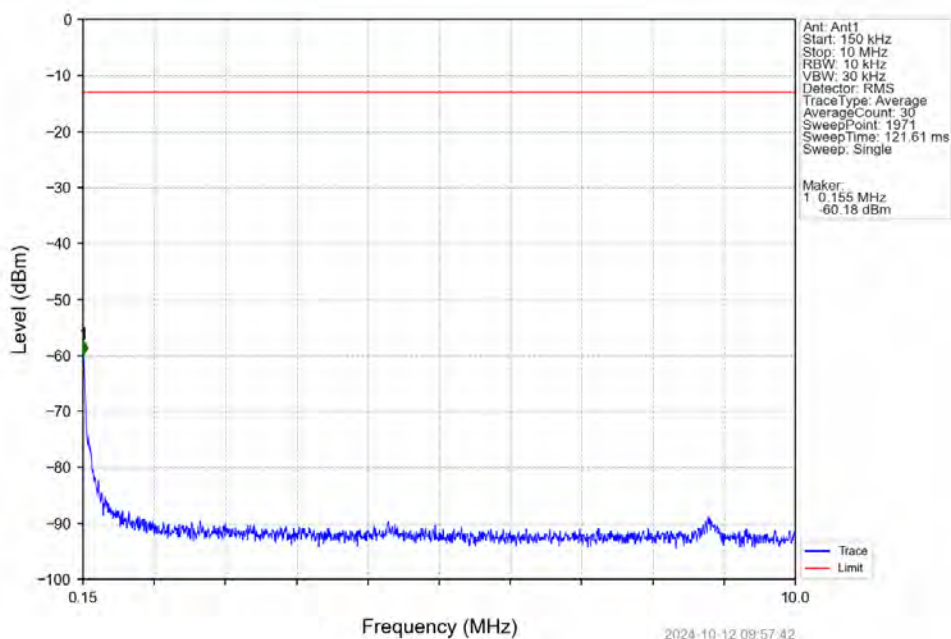
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



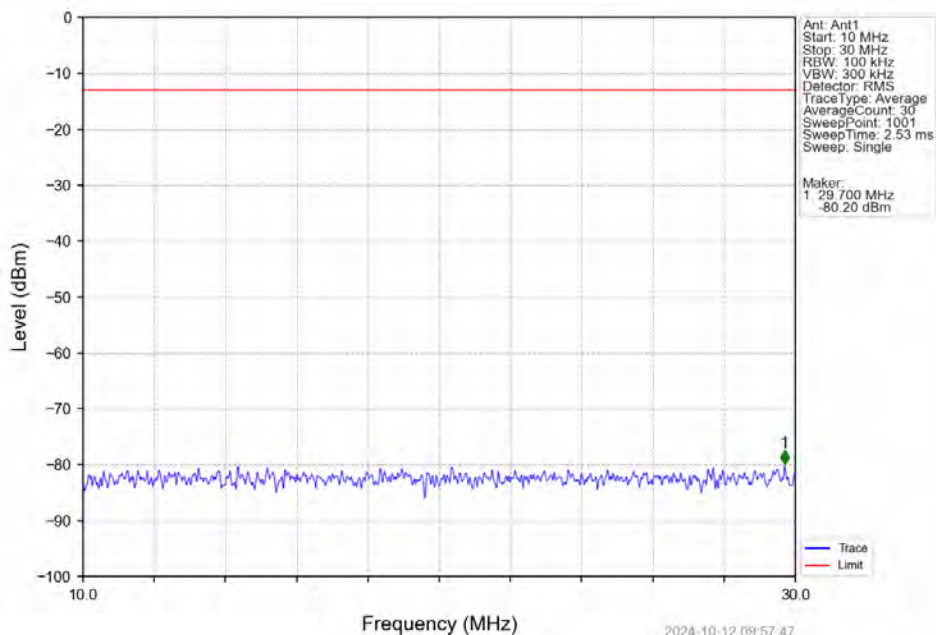
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



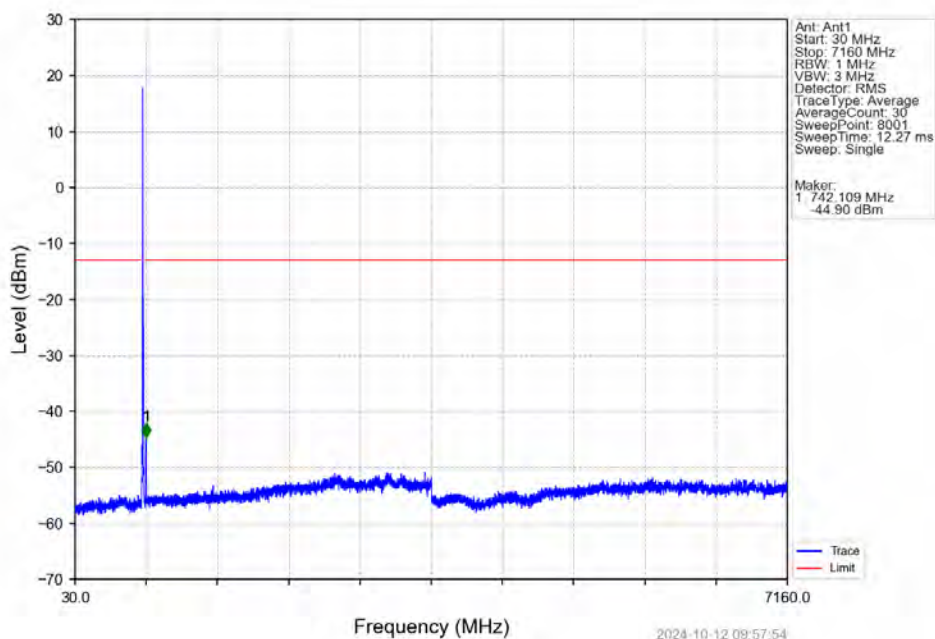
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



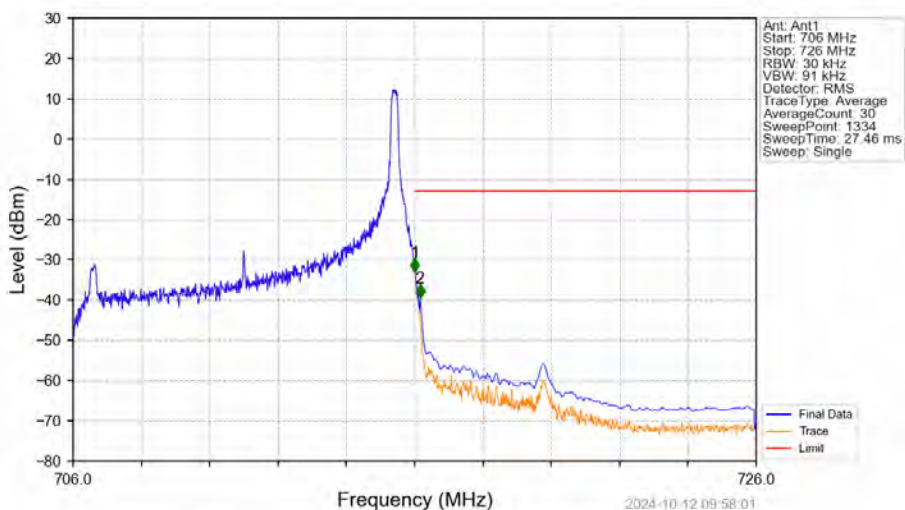
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV

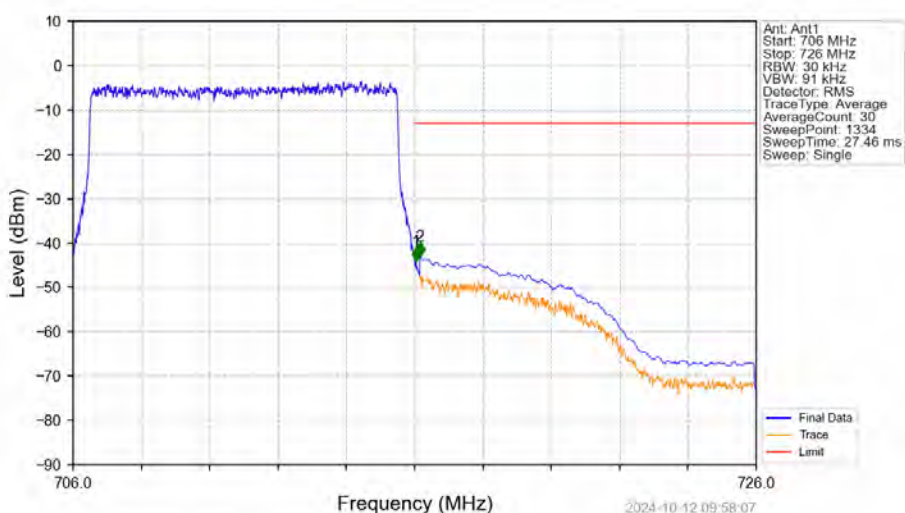


Band17 10MHz QPSK HCH 711MHz RB 1 49 NTNV



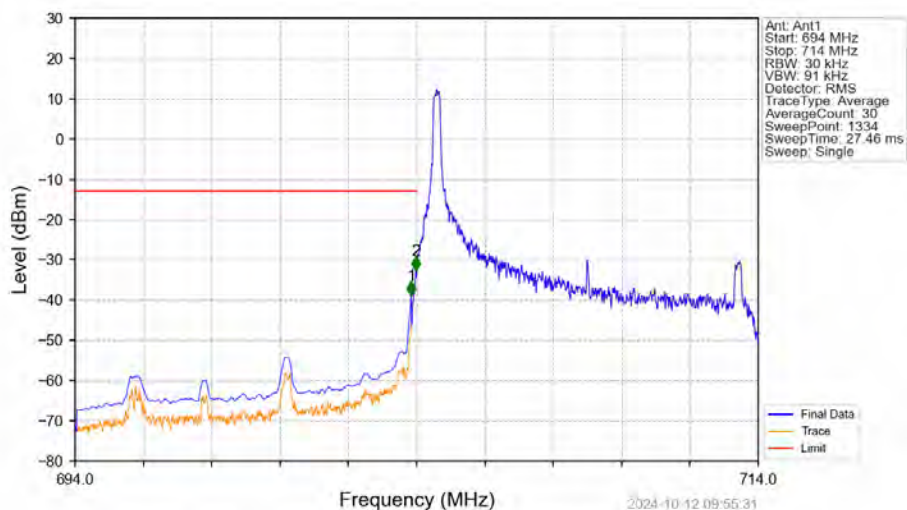
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-33.11	-13	Pass
716.1	726	0.1	CHP	2	716.158	-39.40	-13	Pass

Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV

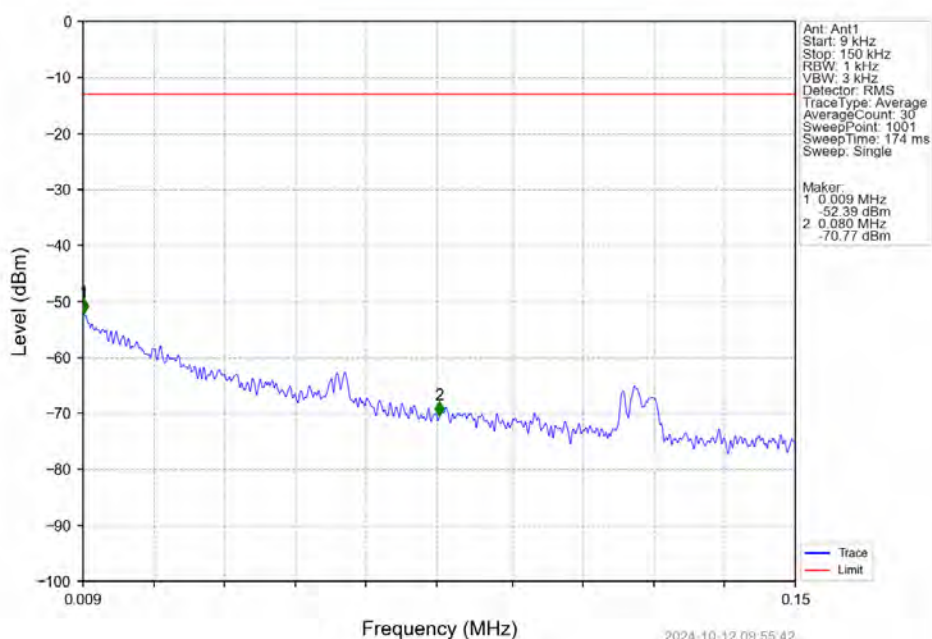


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-44.00	-13	Pass
716.1	726	0.1	CHP	2	716.158	-42.87	-13	Pass

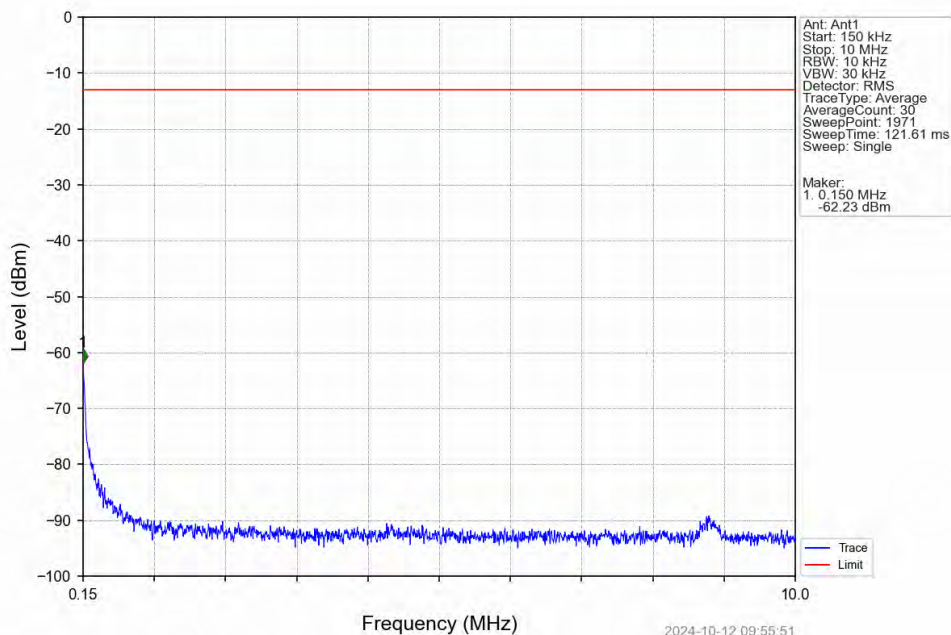
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



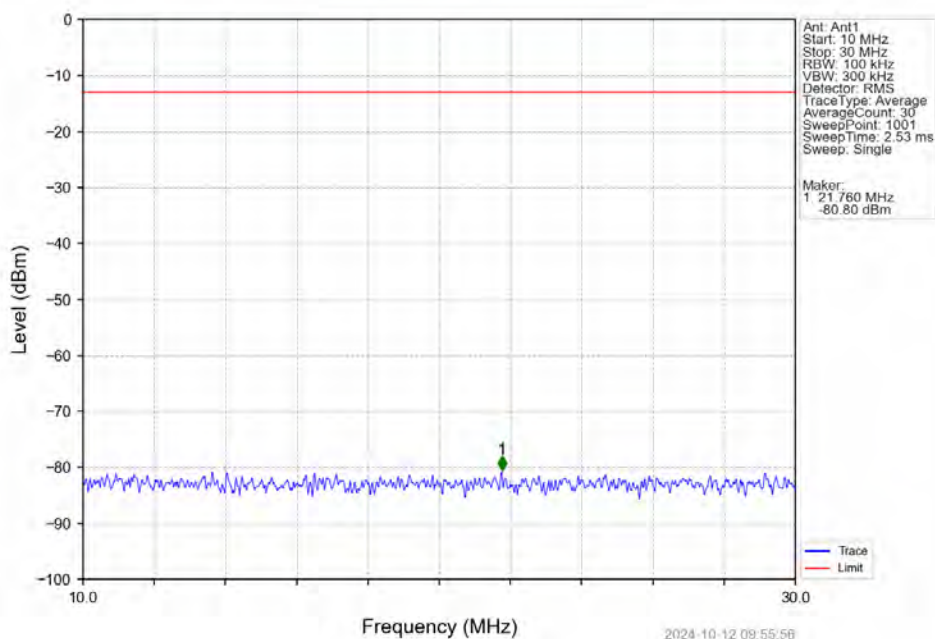
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



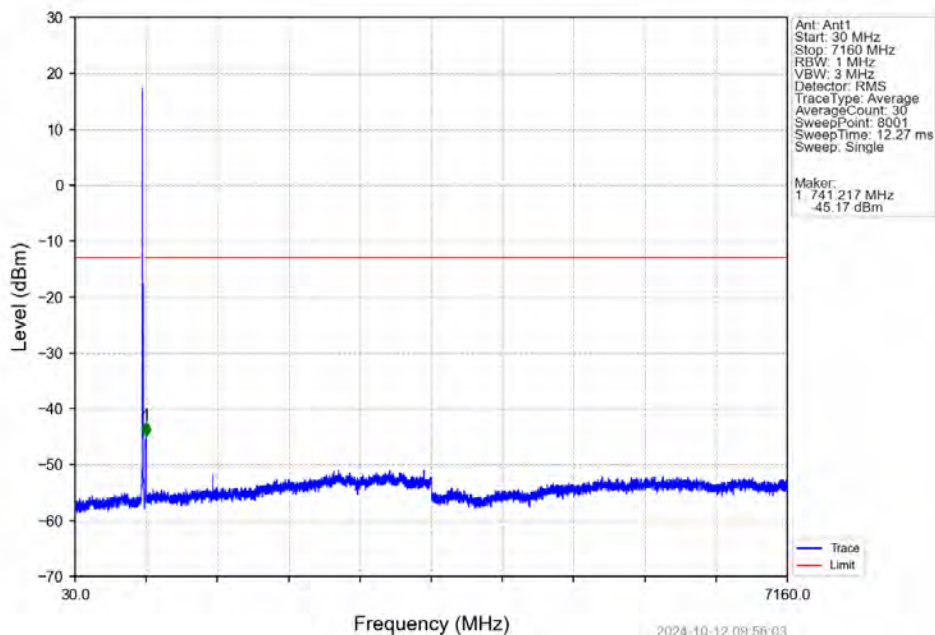
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTN



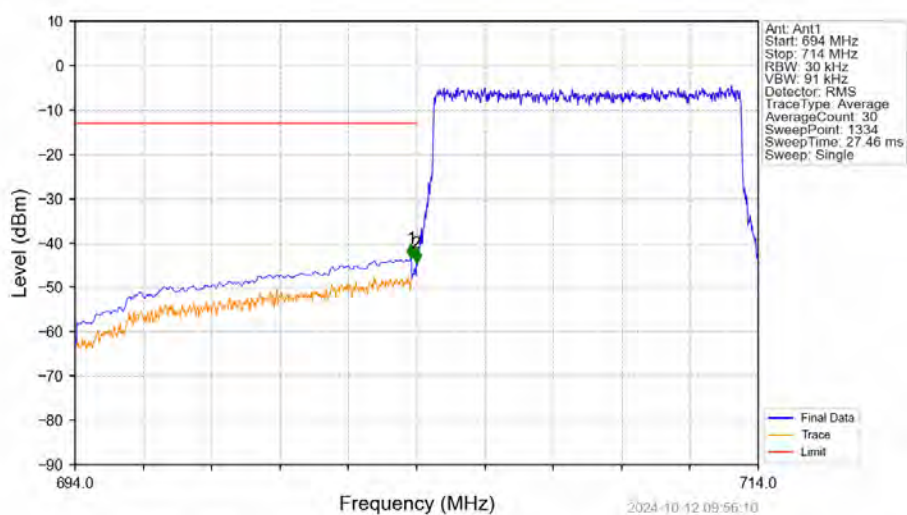
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTN



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

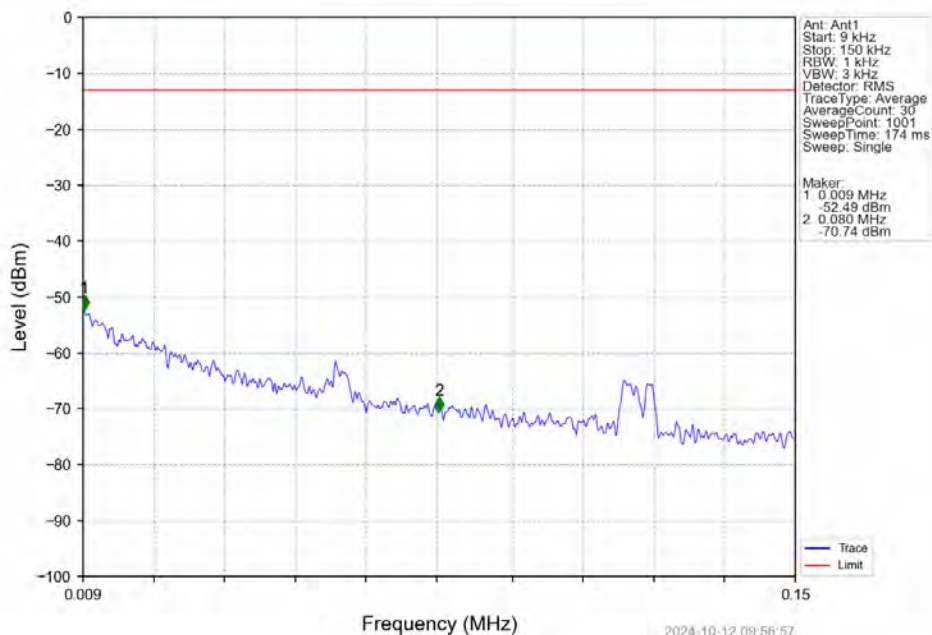


Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN

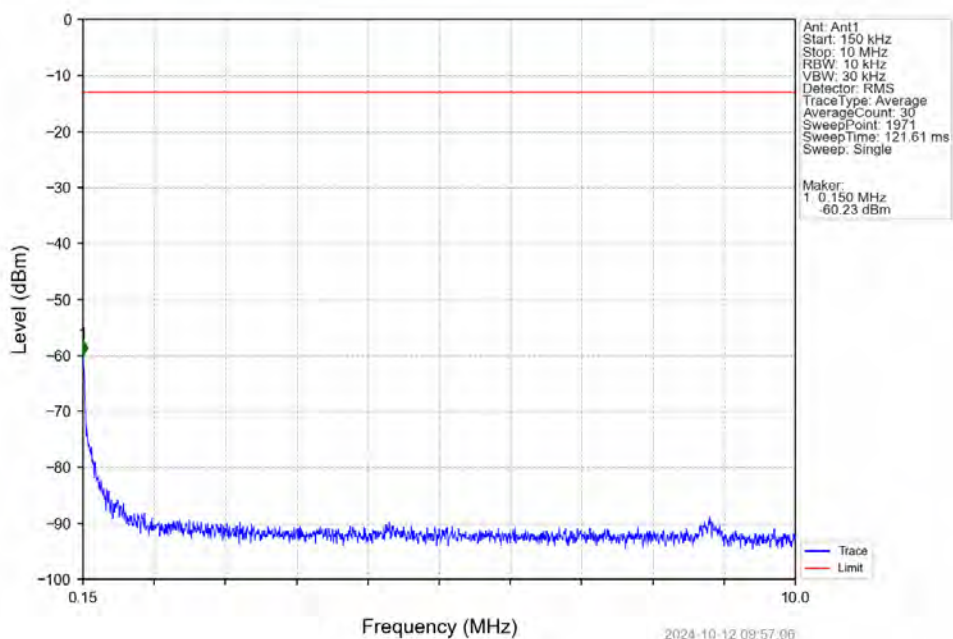


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-43.39	-13	Pass
703.9	704	0.03	/	2	703.992	-44.35	-13	Pass
704	714	0.03	/	/	/	/	/	/

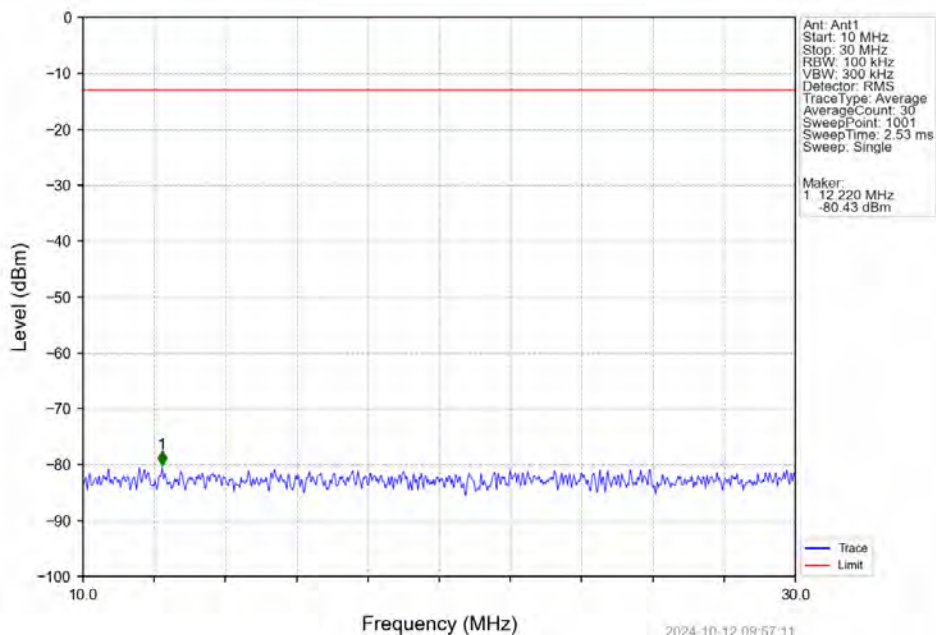
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



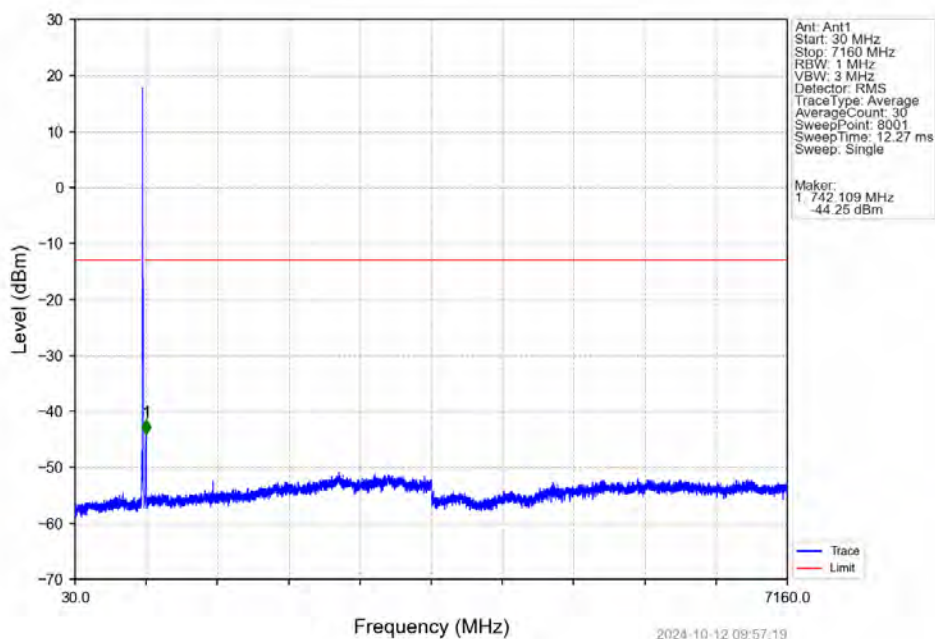
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



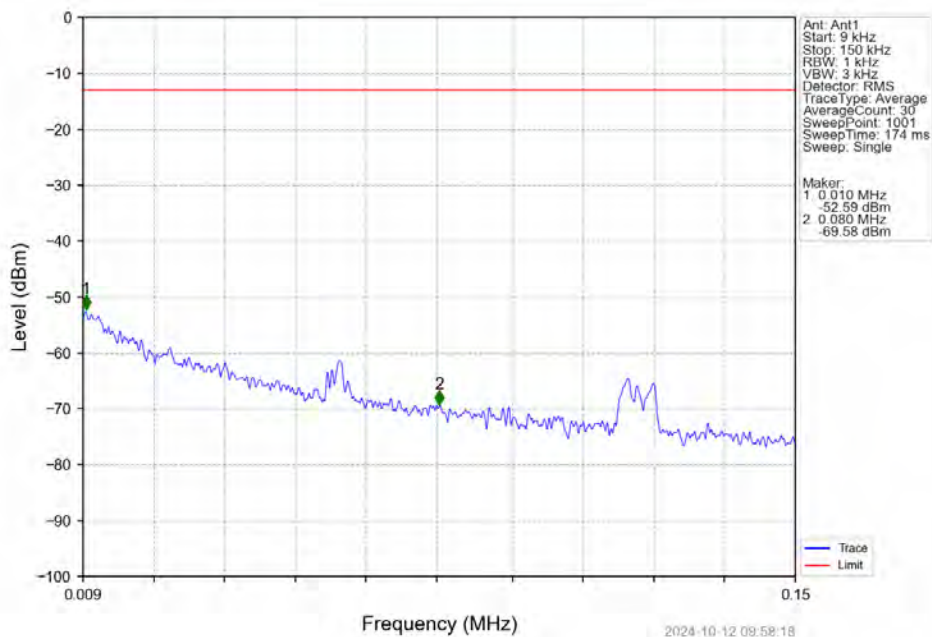
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



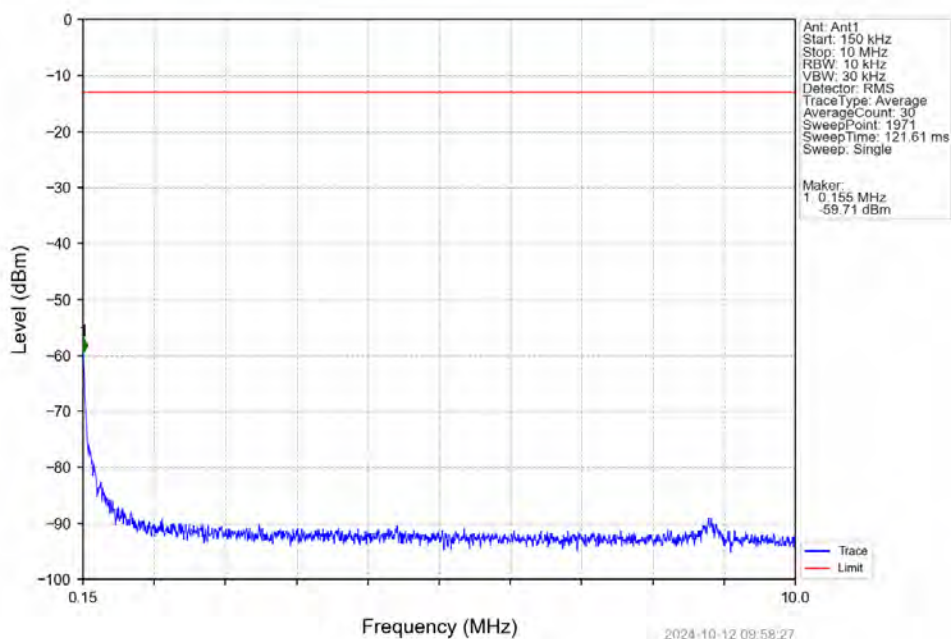
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



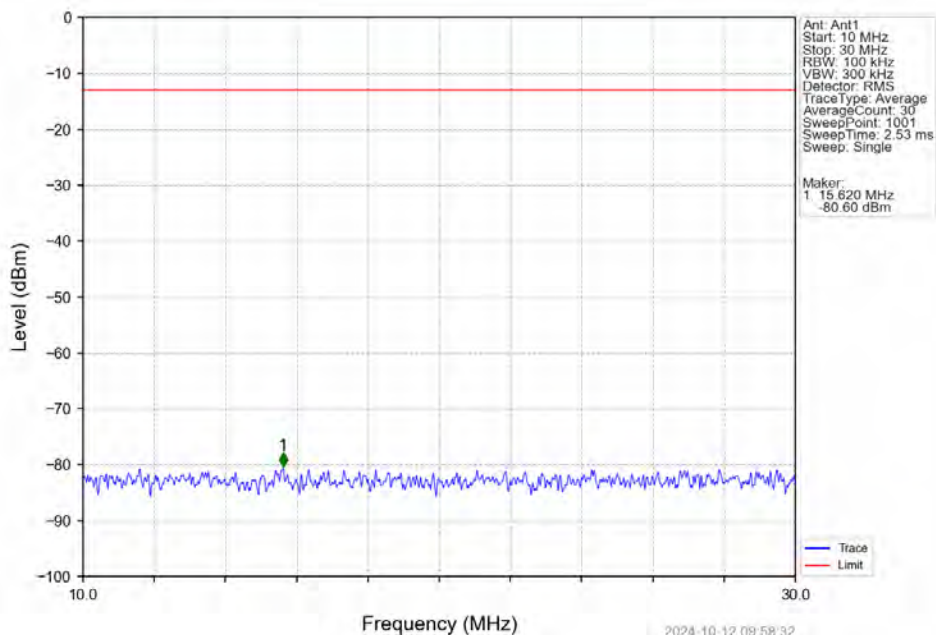
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



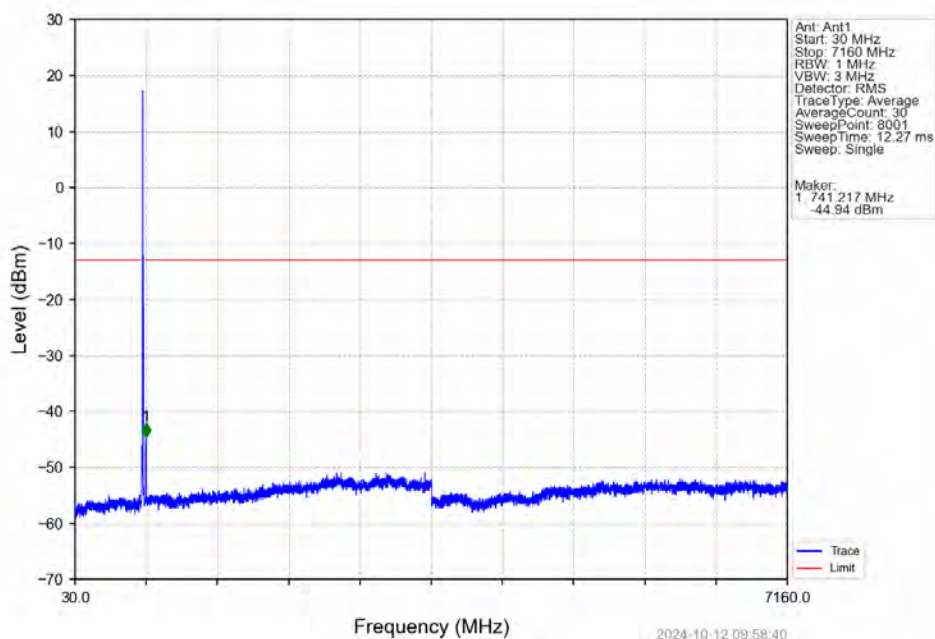
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



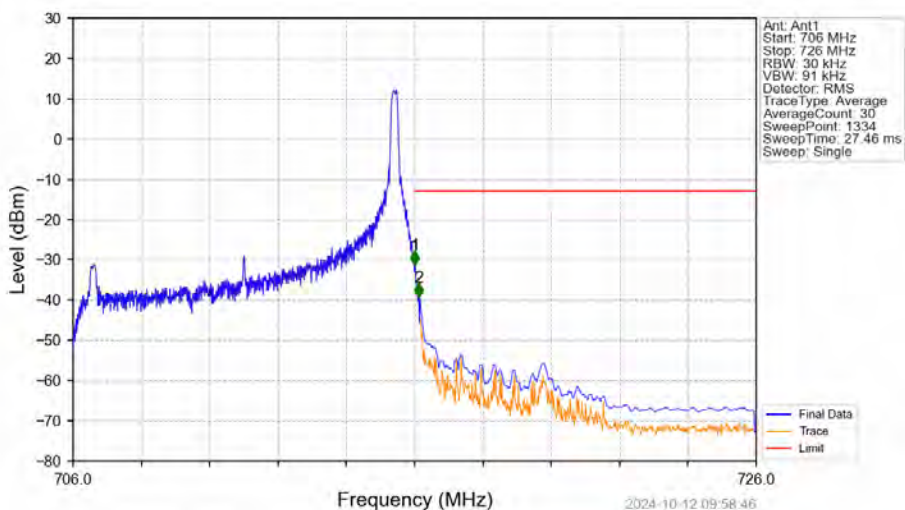
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

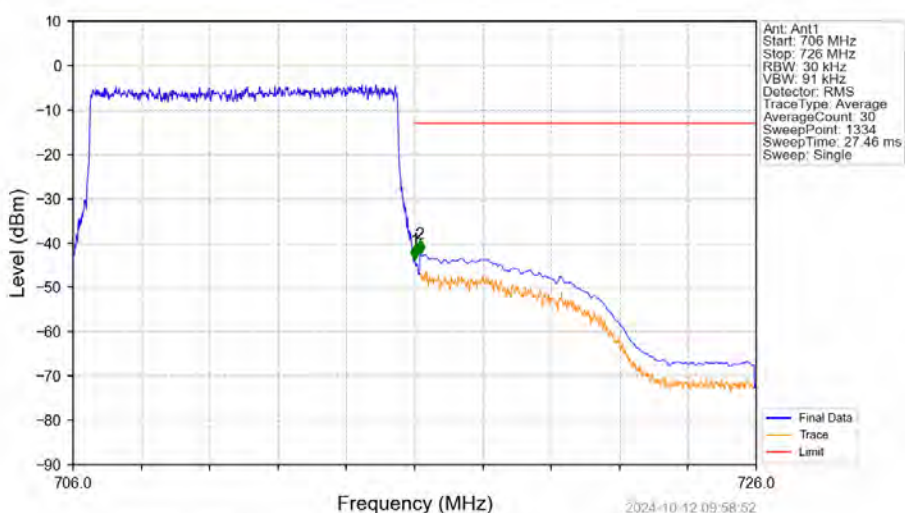


Band17 10MHz 16QAM HCH 711MHz RB 1 49 NTNV



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	716.008	-31.28	-13	Pass
716.1	726	0.1	CHP	2	716.113	-39.27	-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	716.008	-43.73	-13	Pass
716.1	726	0.1	CHP	2	716.158	-42.44	-13	Pass