

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	20.78	-0.81	17.82	<=34.77	Pass
			13	20.92	-0.81	17.96	<=34.77	Pass
			24	20.74	-0.81	17.78	<=34.77	Pass
		12	0	19.82	-0.81	16.86	<=34.77	Pass
			6	19.86	-0.81	16.90	<=34.77	Pass
			13	19.68	-0.81	16.72	<=34.77	Pass
		25	0	19.73	-0.81	16.77	<=34.77	Pass
	710	1	0	20.61	-0.81	17.65	<=34.77	Pass
			13	20.30	-0.81	17.34	<=34.77	Pass
			24	20.08	-0.81	17.12	<=34.77	Pass
		12	0	19.26	-0.81	16.30	<=34.77	Pass
			6	19.29	-0.81	16.33	<=34.77	Pass
			13	19.27	-0.81	16.31	<=34.77	Pass
		25	0	19.29	-0.81	16.33	<=34.77	Pass
	713.5	1	0	20.13	-0.81	17.17	<=34.77	Pass
			13	20.26	-0.81	17.30	<=34.77	Pass
			24	20.11	-0.81	17.15	<=34.77	Pass
		12	0	19.11	-0.81	16.15	<=34.77	Pass
			6	19.28	-0.81	16.32	<=34.77	Pass
			13	19.25	-0.81	16.29	<=34.77	Pass
		25	0	19.19	-0.81	16.23	<=34.77	Pass
16QAM	706.5	1	0	19.82	-0.81	16.86	<=34.77	Pass
			13	19.96	-0.81	17.00	<=34.77	Pass
			24	19.80	-0.81	16.84	<=34.77	Pass
		12	0	18.79	-0.81	15.83	<=34.77	Pass
			6	18.80	-0.81	15.84	<=34.77	Pass
			13	18.69	-0.81	15.73	<=34.77	Pass
		25	0	18.76	-0.81	15.80	<=34.77	Pass
	710	1	0	19.43	-0.81	16.47	<=34.77	Pass
			13	19.52	-0.81	16.56	<=34.77	Pass
			24	19.35	-0.81	16.39	<=34.77	Pass
		12	0	18.28	-0.81	15.32	<=34.77	Pass
			6	18.32	-0.81	15.36	<=34.77	Pass
			13	18.26	-0.81	15.30	<=34.77	Pass
		25	0	18.28	-0.81	15.32	<=34.77	Pass
	713.5	1	0	19.00	-0.81	16.04	<=34.77	Pass
			13	19.11	-0.81	16.15	<=34.77	Pass
			24	18.97	-0.81	16.01	<=34.77	Pass
		12	0	18.09	-0.81	15.13	<=34.77	Pass
			6	18.28	-0.81	15.32	<=34.77	Pass
			13	18.22	-0.81	15.26	<=34.77	Pass
		25	0	18.24	-0.81	15.28	<=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	20.82	-0.81	17.86	<=34.77	Pass
			25	21.04	-0.81	18.08	<=34.77	Pass
			49	20.77	-0.81	17.81	<=34.77	Pass
		25	0	20.01	-0.81	17.05	<=34.77	Pass
			13	19.74	-0.81	16.78	<=34.77	Pass
			25	19.53	-0.81	16.57	<=34.77	Pass
		50	0	19.44	-0.81	16.48	<=34.77	Pass
	710	1	0	20.32	-0.81	17.36	<=34.77	Pass
			25	20.48	-0.81	17.52	<=34.77	Pass
			49	20.27	-0.81	17.31	<=34.77	Pass
		25	0	19.53	-0.81	16.57	<=34.77	Pass
			13	19.37	-0.81	16.41	<=34.77	Pass
			25	19.51	-0.81	16.55	<=34.77	Pass
		50	0	19.54	-0.81	16.58	<=34.77	Pass
	711	1	0	20.23	-0.81	17.27	<=34.77	Pass
			25	20.43	-0.81	17.47	<=34.77	Pass
			49	20.19	-0.81	17.23	<=34.77	Pass
		25	0	19.48	-0.81	16.52	<=34.77	Pass
			13	19.36	-0.81	16.40	<=34.77	Pass
			25	19.49	-0.81	16.53	<=34.77	Pass
		50	0	19.49	-0.81	16.53	<=34.77	Pass
16QAM	709	1	0	19.79	-0.81	16.83	<=34.77	Pass
			25	20.03	-0.81	17.07	<=34.77	Pass
			49	19.74	-0.81	16.78	<=34.77	Pass
		25	0	18.56	-0.81	15.60	<=34.77	Pass
			13	18.44	-0.81	15.48	<=34.77	Pass
			25	18.49	-0.81	15.53	<=34.77	Pass
		50	0	18.48	-0.81	15.52	<=34.77	Pass
	710	1	0	19.27	-0.81	16.31	<=34.77	Pass
			25	19.45	-0.81	16.49	<=34.77	Pass
			49	19.25	-0.81	16.29	<=34.77	Pass
		25	0	18.59	-0.81	15.63	<=34.77	Pass
			13	18.47	-0.81	15.51	<=34.77	Pass
			25	18.62	-0.81	15.66	<=34.77	Pass
		50	0	18.56	-0.81	15.60	<=34.77	Pass
	711	1	0	19.41	-0.81	16.45	<=34.77	Pass
			25	19.61	-0.81	16.65	<=34.77	Pass
			49	19.36	-0.81	16.40	<=34.77	Pass
		25	0	18.50	-0.81	15.54	<=34.77	Pass
			13	18.40	-0.81	15.44	<=34.77	Pass
			25	18.55	-0.81	15.59	<=34.77	Pass
		50	0	18.54	-0.81	15.58	<=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	-6.609	-0.0094	-2.5 to 2.5	Pass

16QAM					3.85	-4.849	-0.0069	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-6.166	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-5.322	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-3.419	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-7.911	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-5.908	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-5.264	-0.0075	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-5.064	-0.0071	-2.5 to 2.5	Pass
					3.85	-6.452	-0.0091	-2.5 to 2.5	Pass
				4.43	-7.896	-0.0111	-2.5 to 2.5	Pass	
				-30	3.85	-7.138	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-8.225	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-7.939	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0064	-2.5 to 2.5	Pass
	50	3.85	-8.183	-0.0115	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-6.409	-0.0090	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0092	-2.5 to 2.5	Pass
				4.43	-4.563	-0.0064	-2.5 to 2.5	Pass	
				-30	3.85	-5.436	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-7.696	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-8.698	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-5.951	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-8.340	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-9.599	-0.0135	-2.5 to 2.5	Pass
				40	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
50	3.85	-5.836	-0.0082	-2.5 to 2.5	Pass				
			20	3.27	-6.595	-0.0093	-2.5 to 2.5	Pass	
				3.85	-7.195	-0.0102	-2.5 to 2.5	Pass	
			4.43	-4.835	-0.0068	-2.5 to 2.5	Pass		
			-30	3.85	-2.918	-0.0041	-2.5 to 2.5	Pass	
			-20	3.85	-4.978	-0.0070	-2.5 to 2.5	Pass	
			-10	3.85	-11.172	-0.0158	-2.5 to 2.5	Pass	
			0	3.85	-6.738	-0.0095	-2.5 to 2.5	Pass	
			10	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass	
			30	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass	
			40	3.85	-3.018	-0.0043	-2.5 to 2.5	Pass	
50	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass				
710	25	0	20	3.27	-4.606	-0.0065	-2.5 to 2.5	Pass	
				3.85	-3.734	-0.0053	-2.5 to 2.5	Pass	
			4.43	-7.639	-0.0108	-2.5 to 2.5	Pass		
			-30	3.85	-6.251	-0.0088	-2.5 to 2.5	Pass	
			-20	3.85	-6.924	-0.0098	-2.5 to 2.5	Pass	
			-10	3.85	-4.778	-0.0067	-2.5 to 2.5	Pass	
			0	3.85	-8.225	-0.0116	-2.5 to 2.5	Pass	
			10	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass	
			30	3.85	-3.877	-0.0055	-2.5 to 2.5	Pass	
			40	3.85	-2.518	-0.0035	-2.5 to 2.5	Pass	
50	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass				
713.5	25	0	20	3.27	-9.055	-0.0127	-2.5 to 2.5	Pass	
				3.85	-9.055	-0.0127	-2.5 to 2.5	Pass	
			4.43	0.401	0.0006	-2.5 to 2.5	Pass		
			-30	3.85	-5.822	-0.0082	-2.5 to 2.5	Pass	
			-20	3.85	-9.327	-0.0131	-2.5 to 2.5	Pass	

				-10	3.85	-8.798	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-9.027	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-11.444	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-3.662	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-10.242	-0.0144	-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	-7.982	-0.0113	-2.5 to 2.5	Pass
					3.85	-5.622	-0.0079	-2.5 to 2.5	Pass
					4.43	-4.892	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-5.937	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-5.322	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-6.337	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-3.448	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-2.389	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-7.653	-0.0108	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-4.821	-0.0068	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.420	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-6.466	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-5.836	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-10.071	-0.0142	-2.5 to 2.5	Pass
				0	3.85	-7.453	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-5.937	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.067	-0.0099	-2.5 to 2.5	Pass
					3.85	-5.622	-0.0079	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-7.710	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-6.766	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-2.403	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-7.052	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-3.662	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-3.562	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.482	-0.0105	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-4.721	-0.0067	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0079	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-9.184	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-4.506	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.467	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-9.356	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-7.224	-0.0102	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-5.107	-0.0072	-2.5 to 2.5	Pass

					3.85	-11.172	-0.0157	-2.5 to 2.5	Pass
					4.43	-4.792	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-6.294	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-8.197	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-6.051	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-6.337	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-5.407	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-5.450	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-8.798	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-4.220	-0.0059	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-3.591	-0.0051	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-7.439	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.781	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-9.413	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

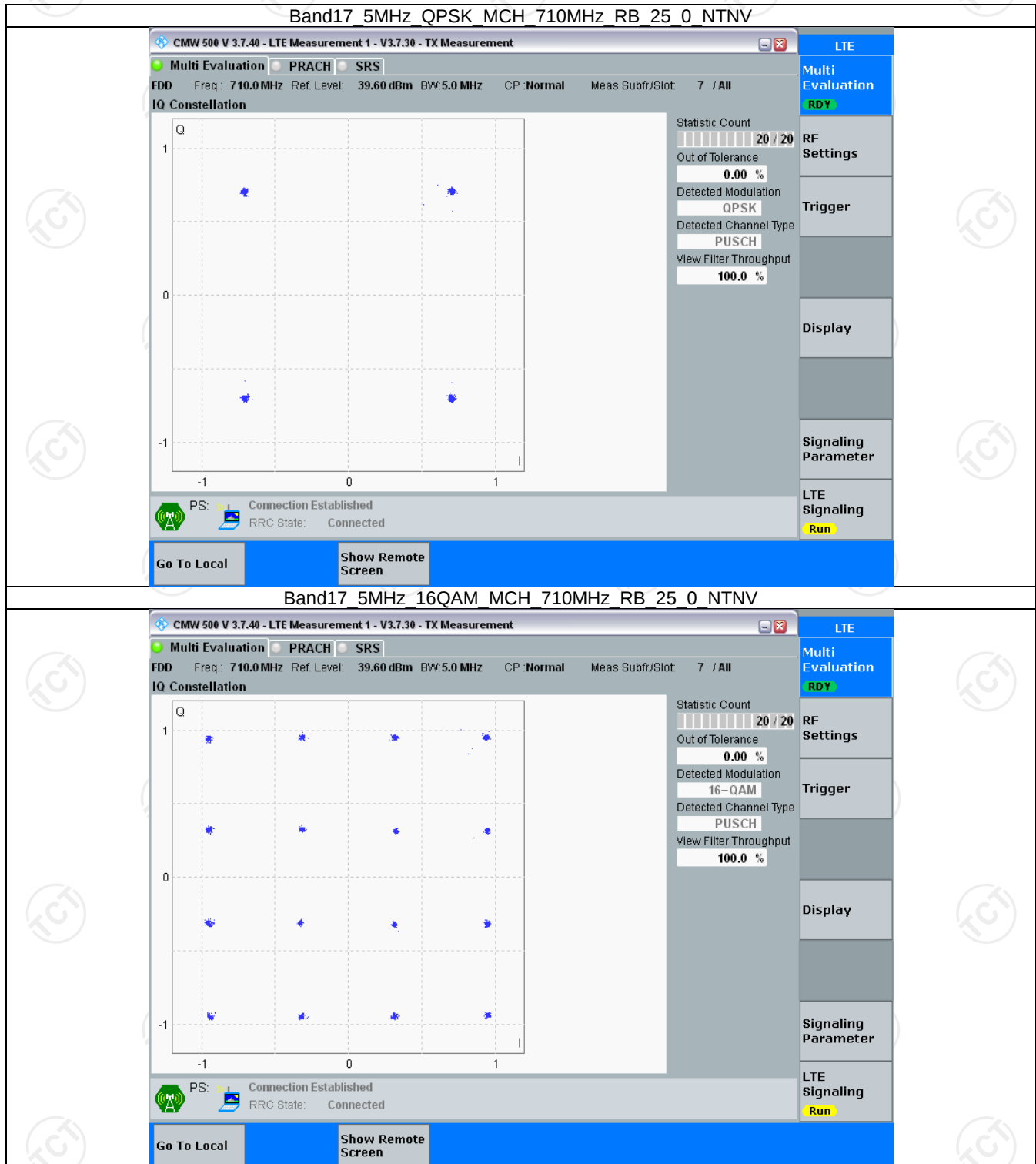
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

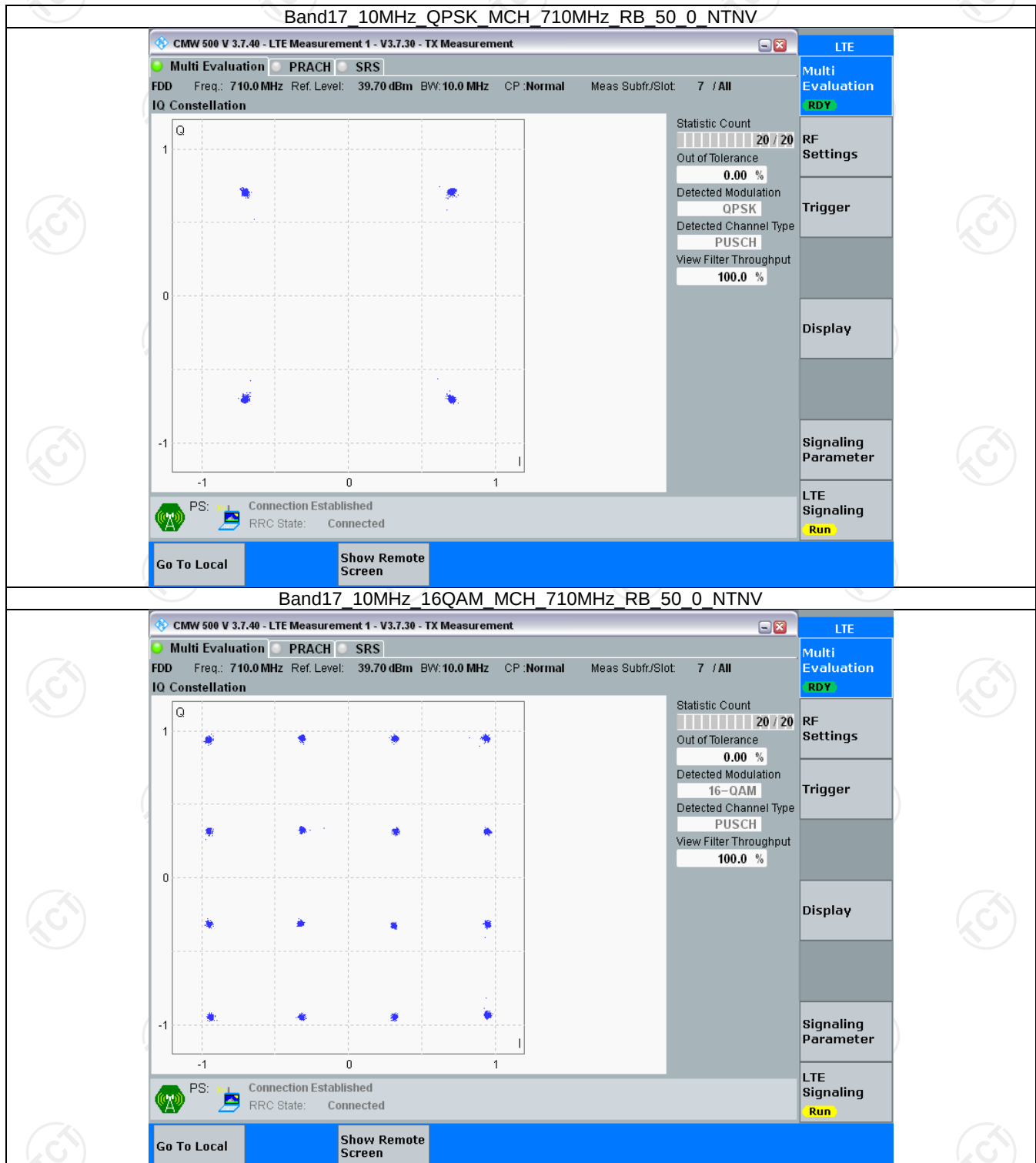
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

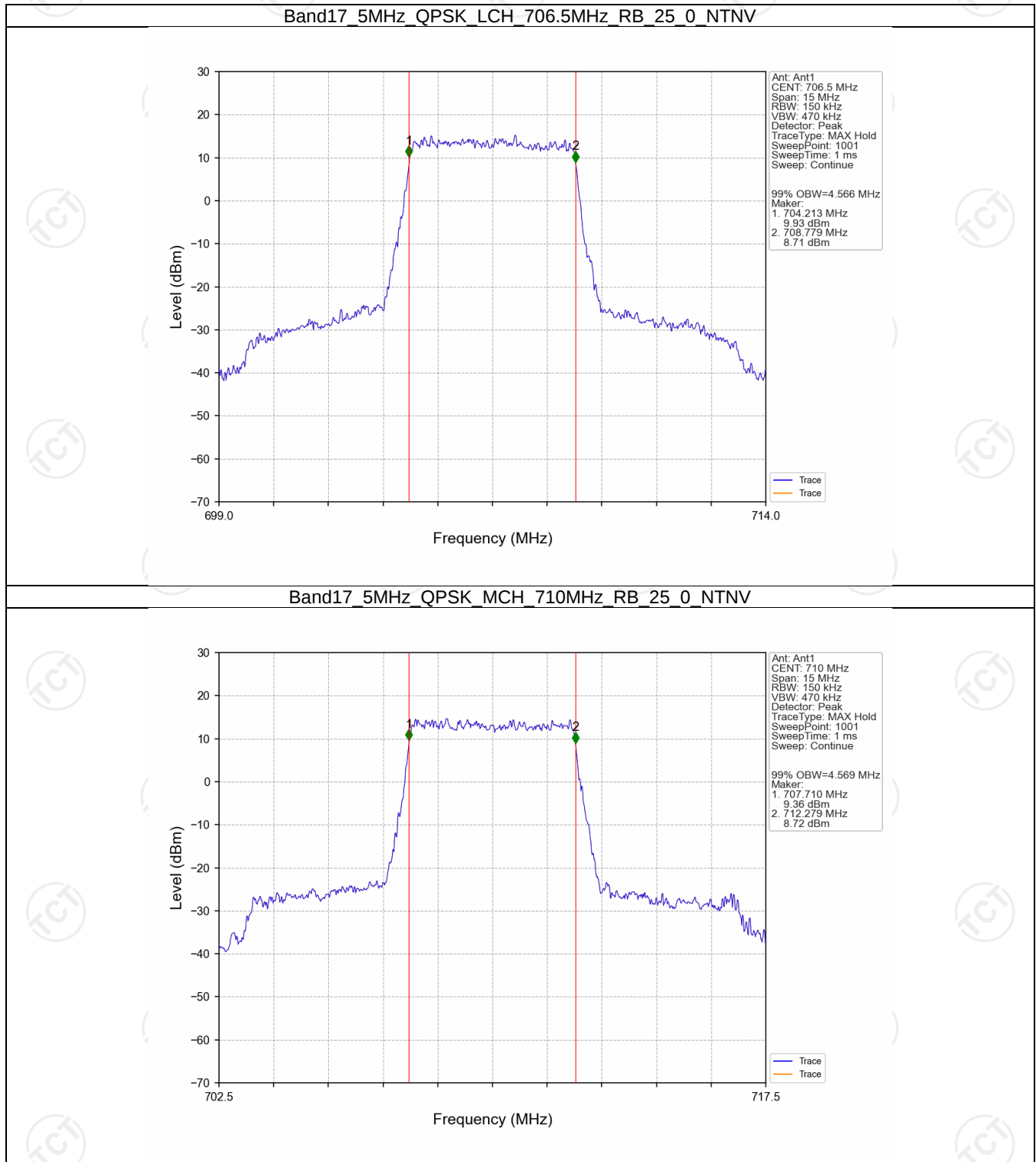
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.566	/	Pass
		710	25	0	4.569	/	Pass
		713.5	25	0	4.570	/	Pass
	16QAM	706.5	25	0	4.601	/	Pass
		710	25	0	4.589	/	Pass
		713.5	25	0	4.565	/	Pass
10	QPSK	709	50	0	9.125	/	Pass
		710	50	0	9.101	/	Pass
		711	50	0	9.103	/	Pass
	16QAM	709	50	0	9.120	/	Pass
		710	50	0	9.091	/	Pass
		711	50	0	9.119	/	Pass

4.1.2 Band17_XDB

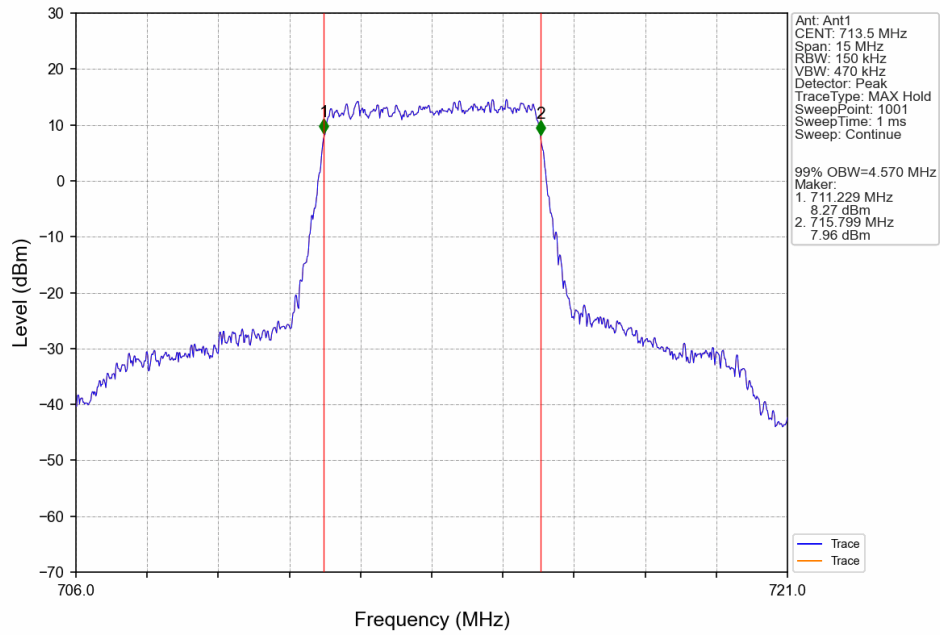
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.239	/	Pass
		710	25	0	5.275	/	Pass
		713.5	25	0	5.241	/	Pass
	16QAM	706.5	25	0	5.301	/	Pass
		710	25	0	5.313	/	Pass
		713.5	25	0	5.204	/	Pass
10	QPSK	709	50	0	10.261	/	Pass
		710	50	0	10.220	/	Pass
		711	50	0	10.370	/	Pass
	16QAM	709	50	0	10.355	/	Pass
		710	50	0	10.175	/	Pass
		711	50	0	10.249	/	Pass

4.2 Test Graph

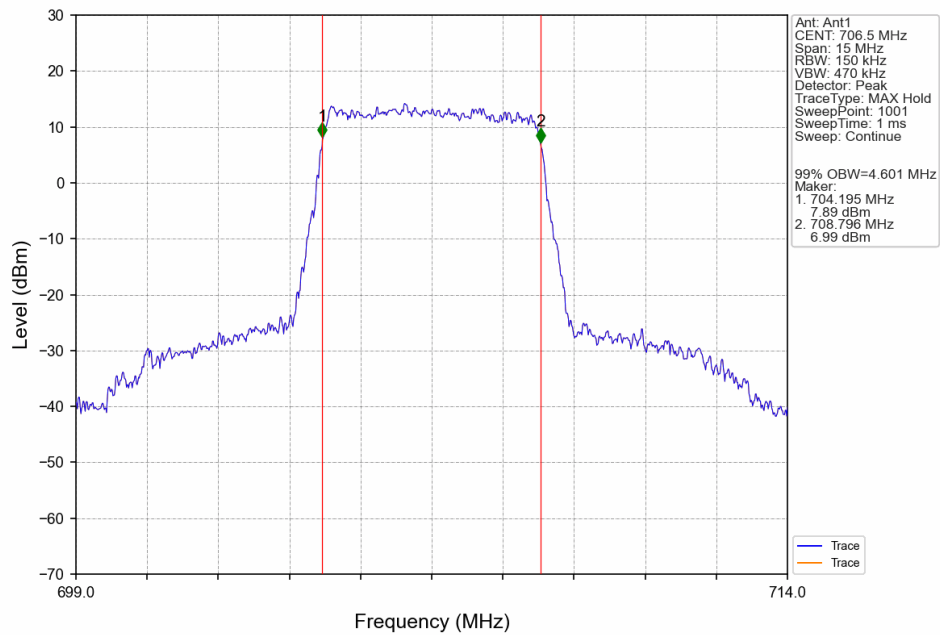
4.2.1 Band17_OBW



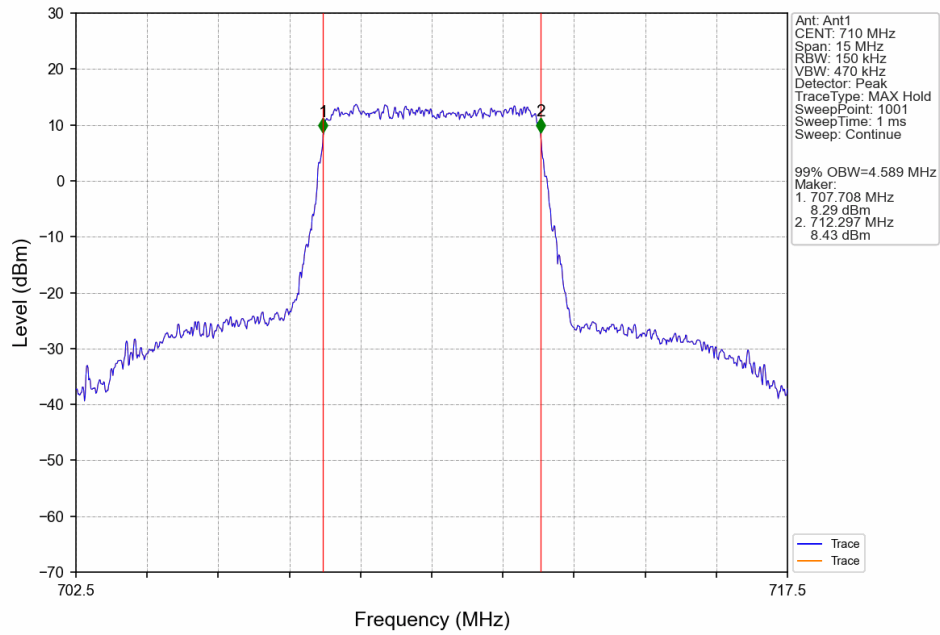
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



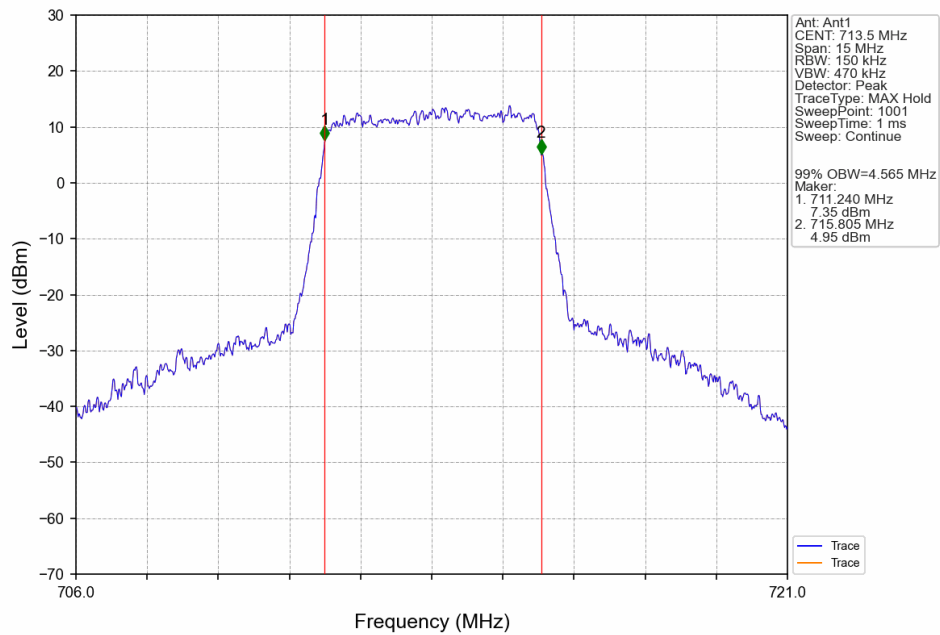
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



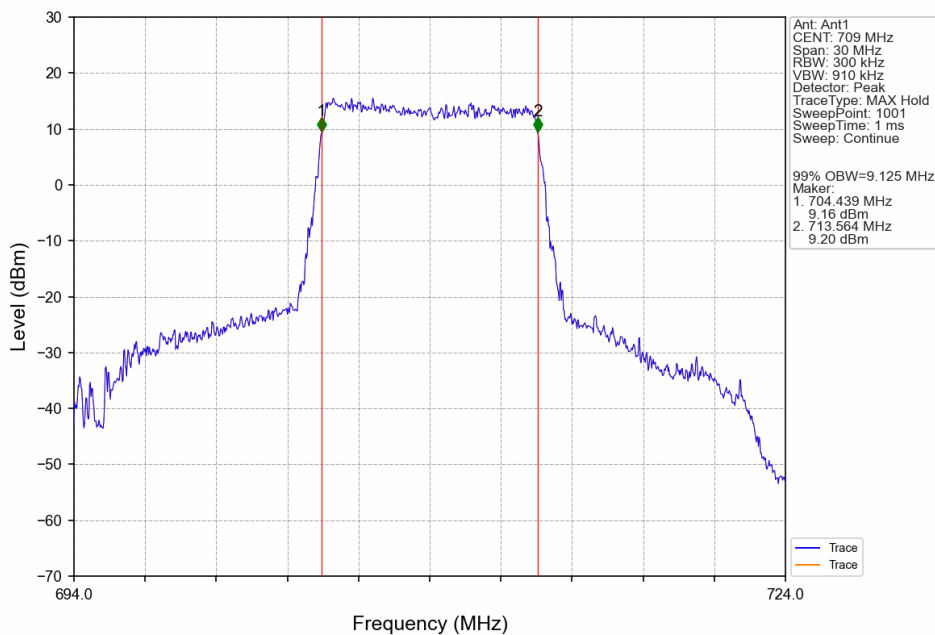
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



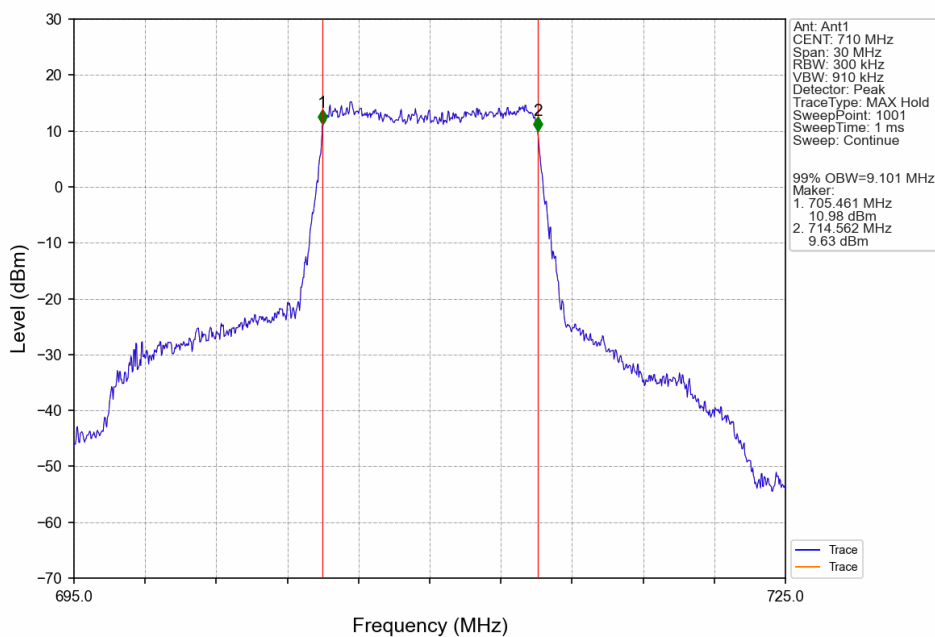
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



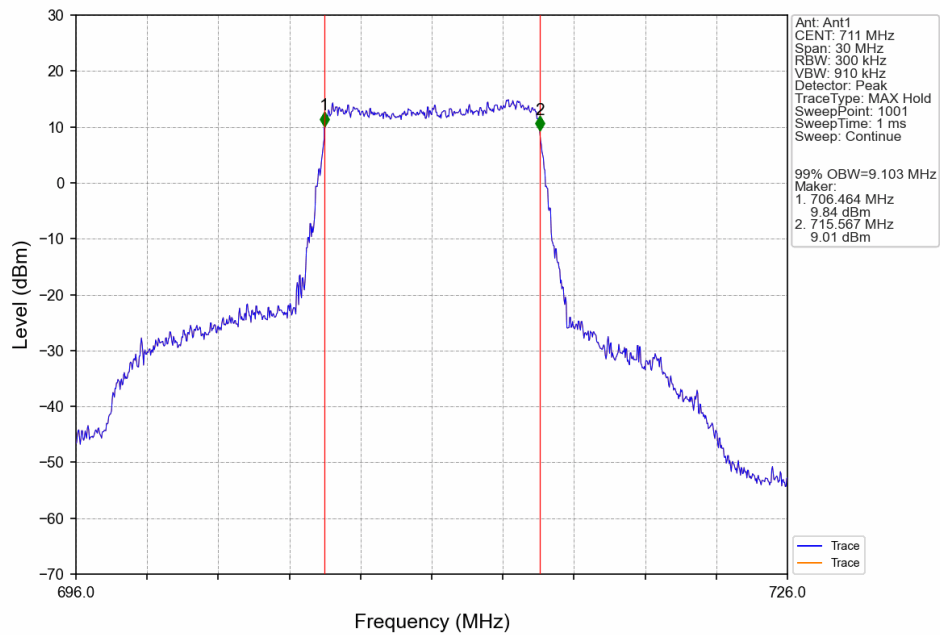
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



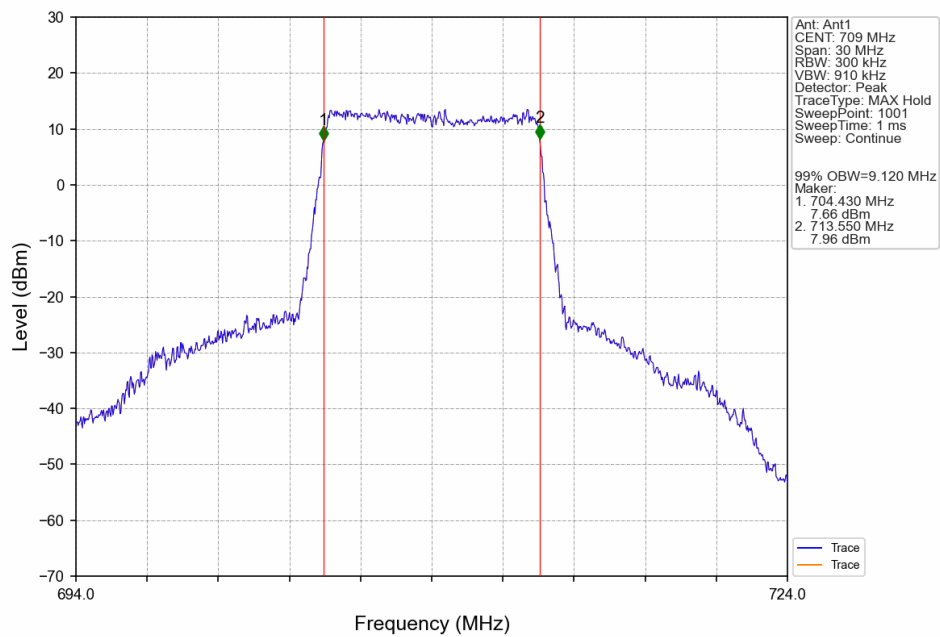
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



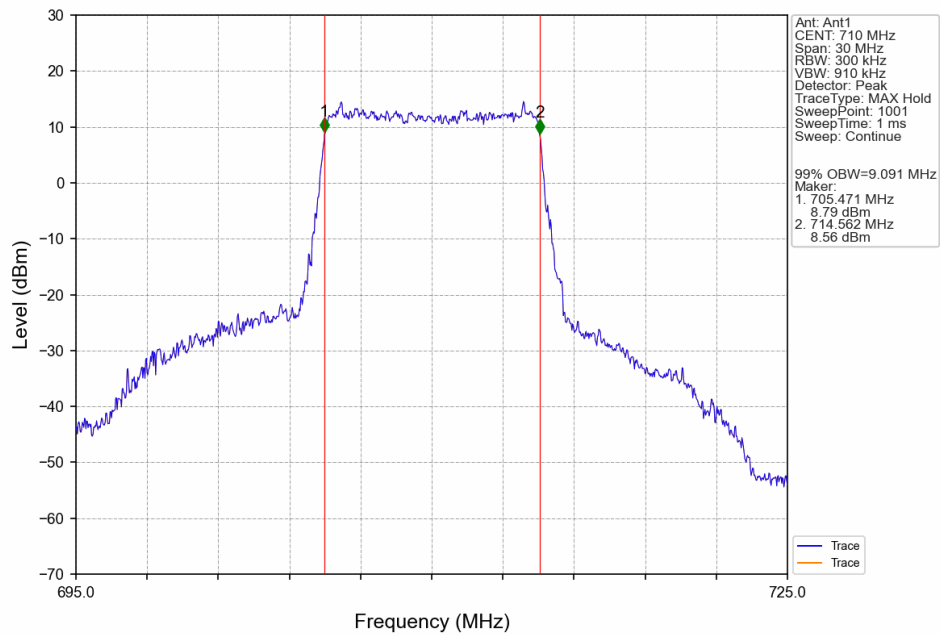
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



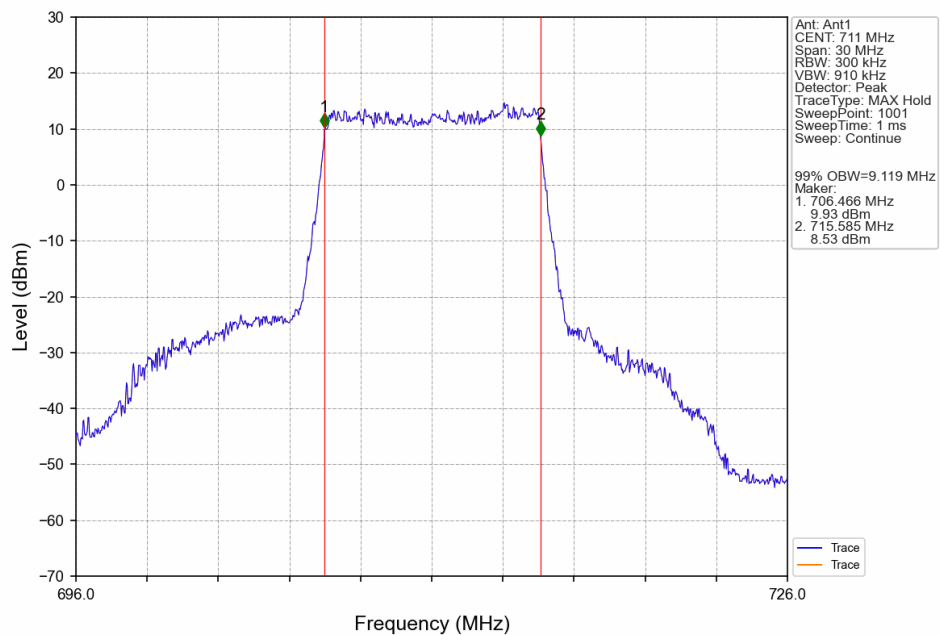
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



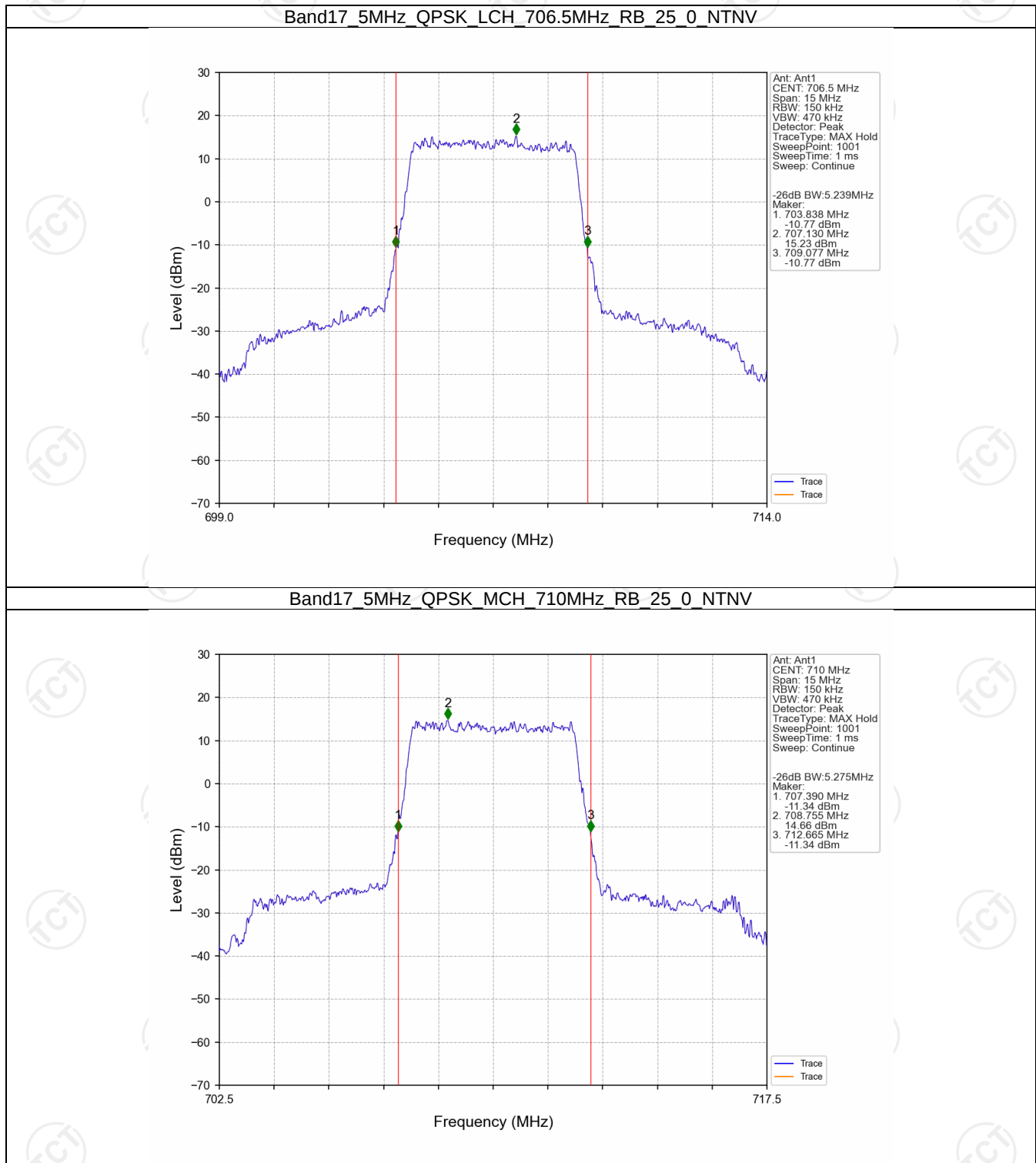
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTV



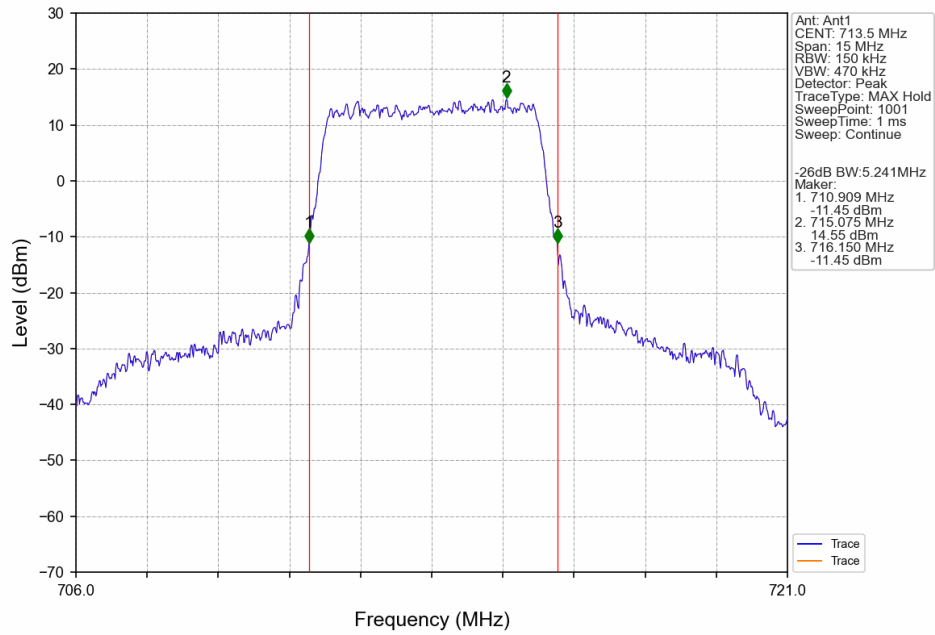
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTV



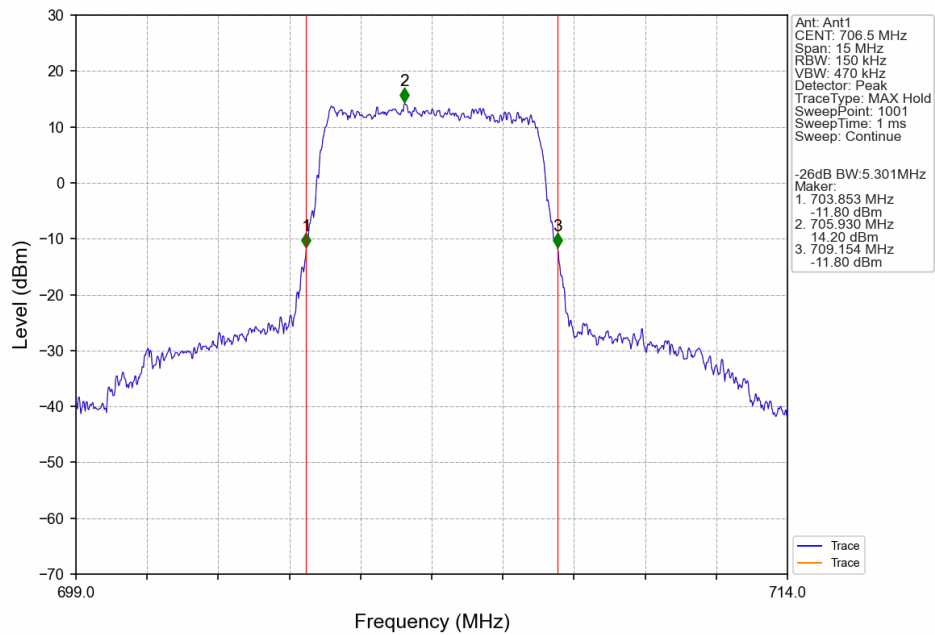
4.2.2 Band17_XDB



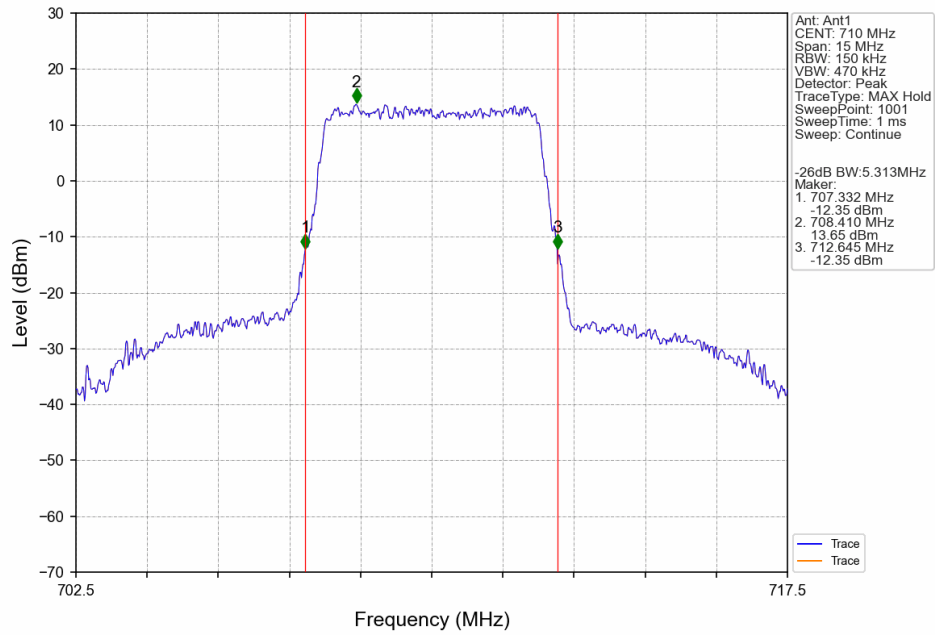
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



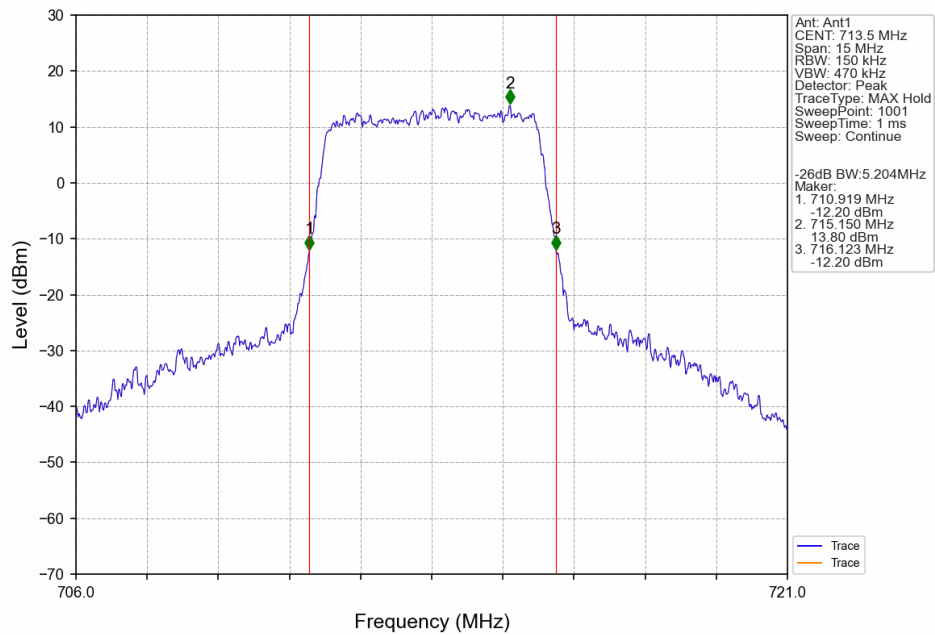
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



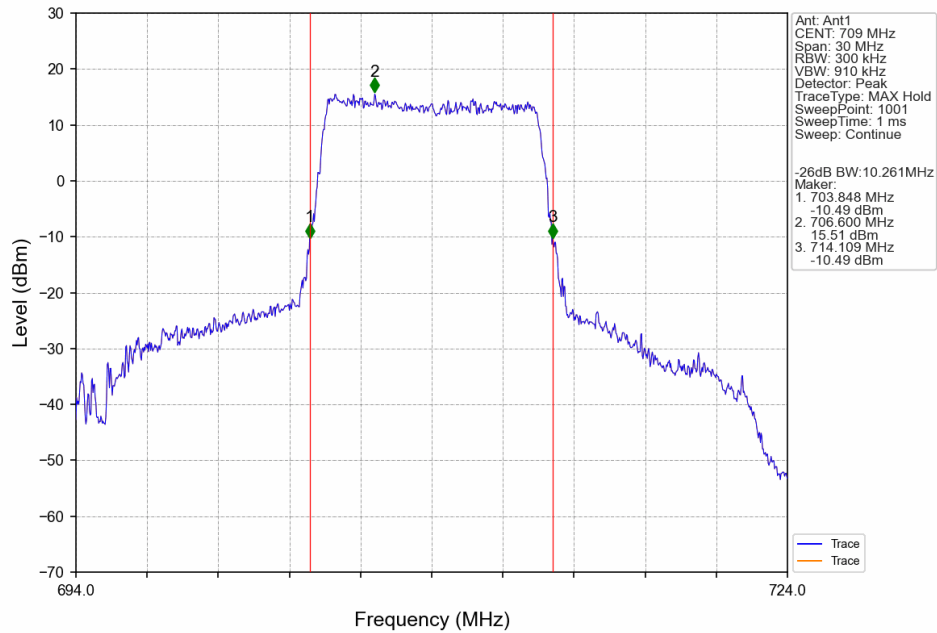
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



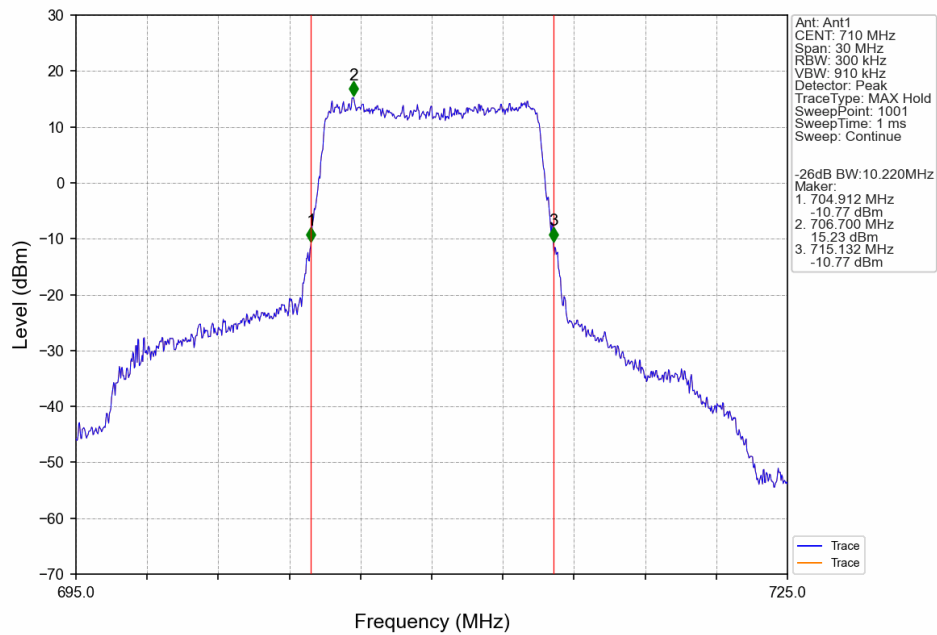
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



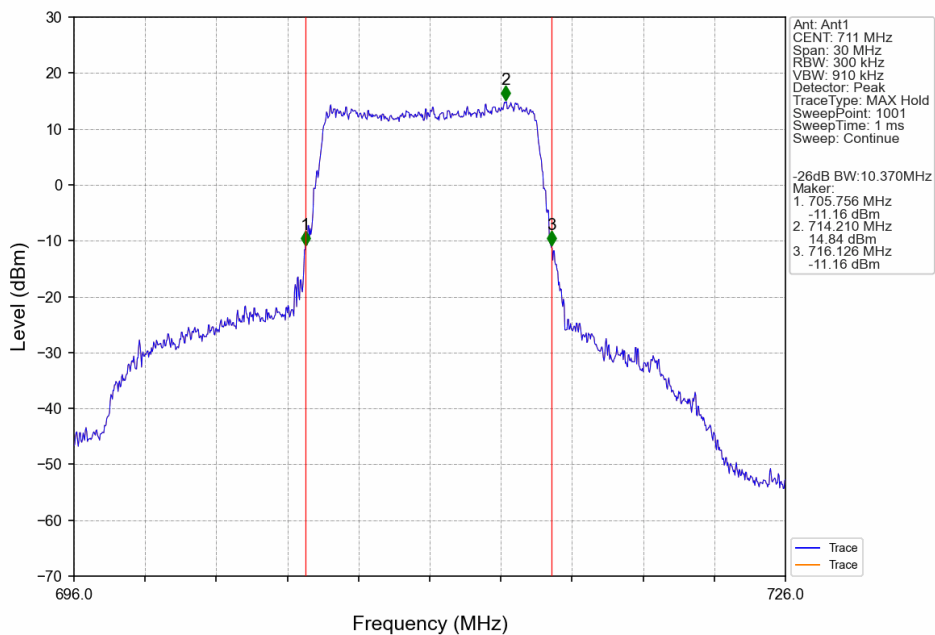
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



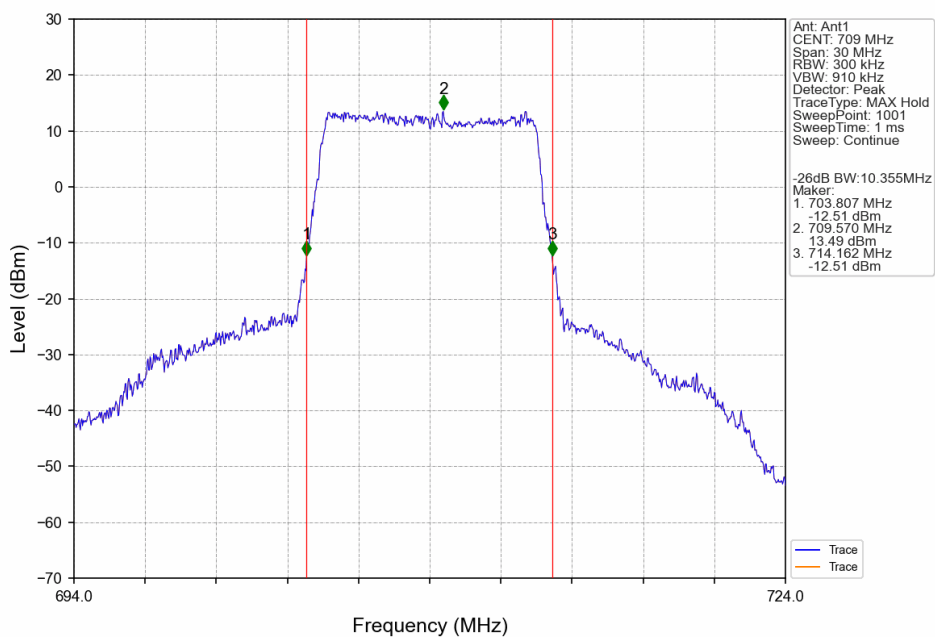
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



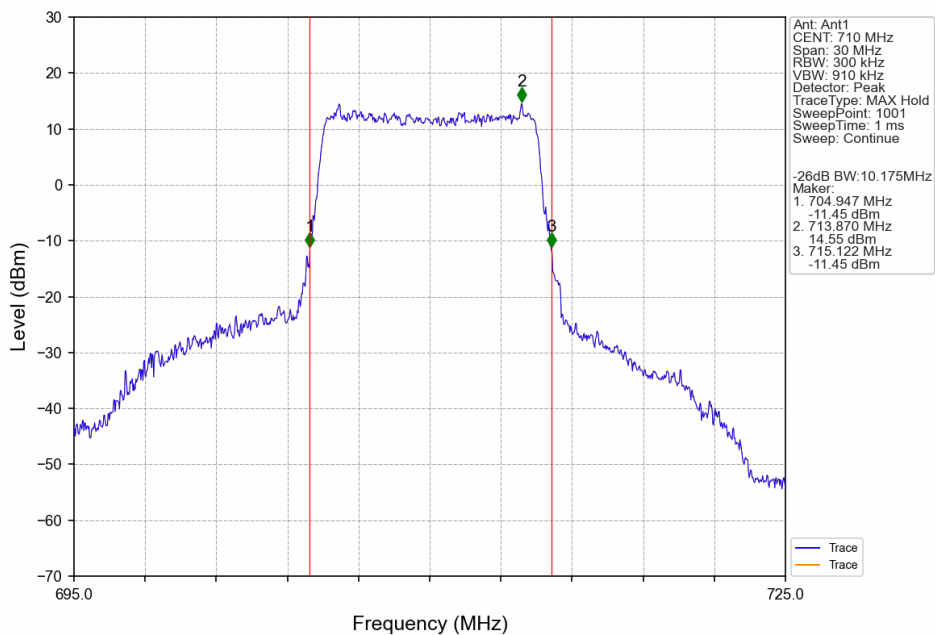
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



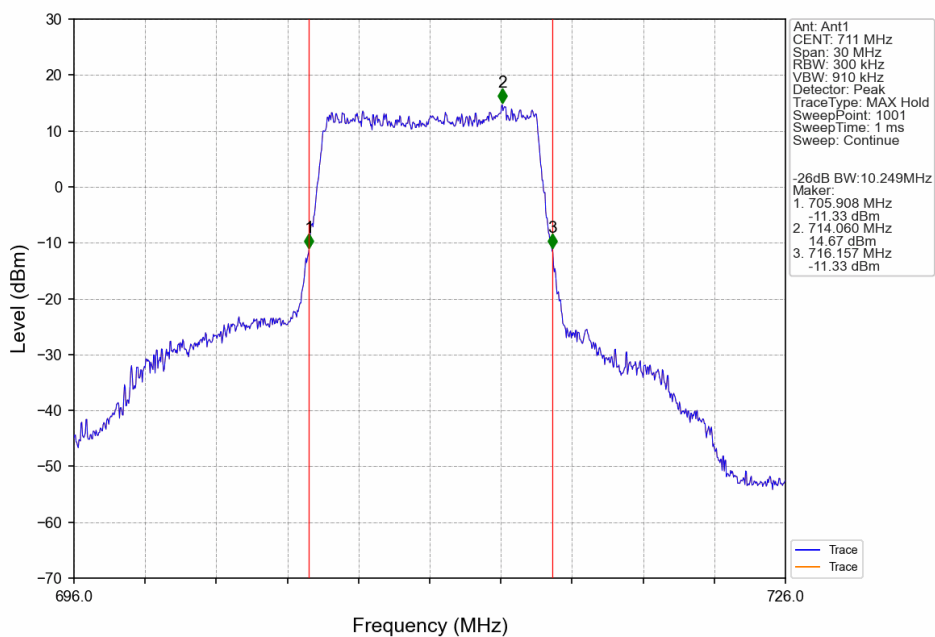
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



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

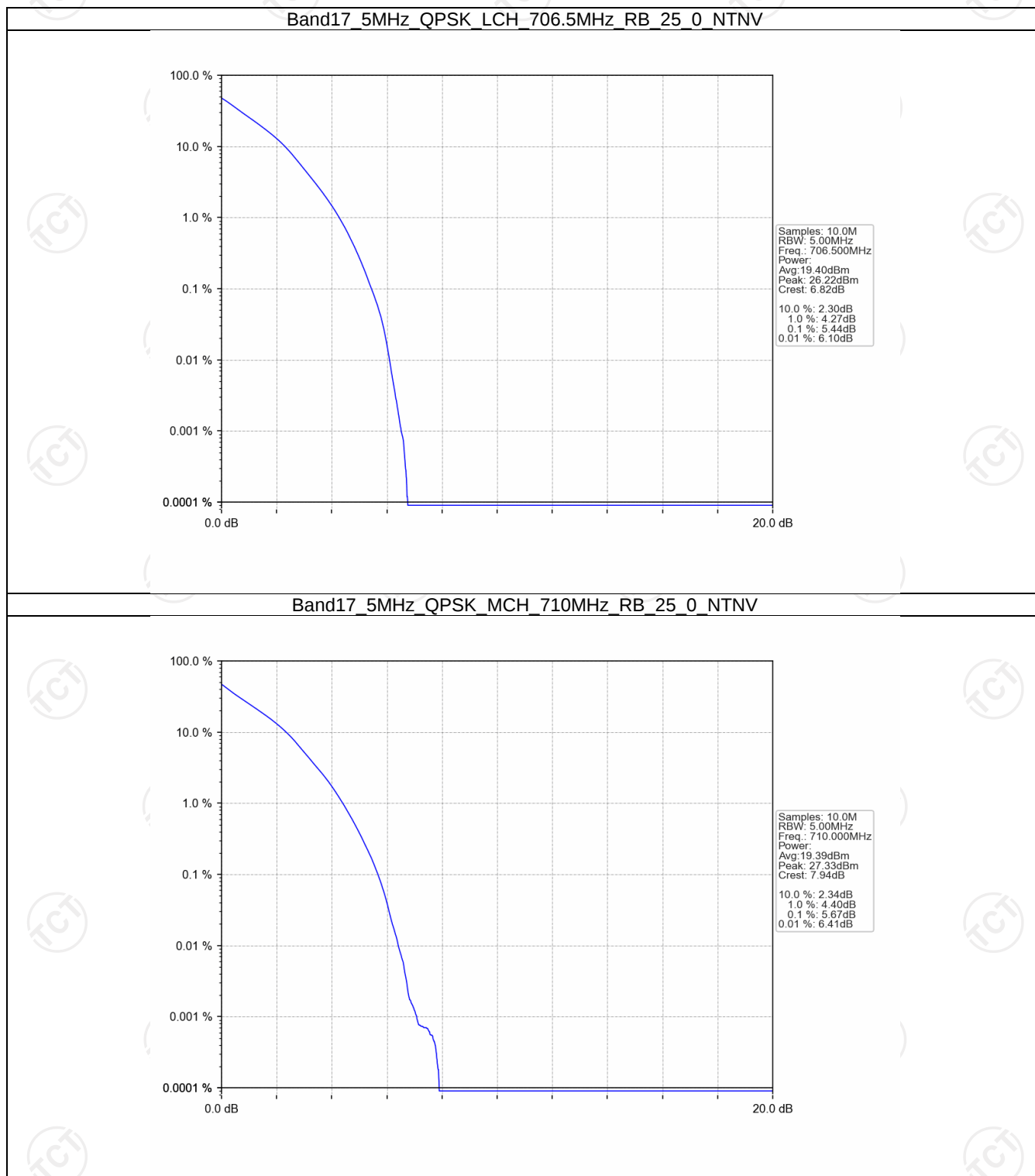
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.44	<=13	Pass
	710	25	0	5.67	<=13	Pass
	713.5	25	0	5.43	<=13	Pass
16QAM	706.5	25	0	6.15	<=13	Pass
	710	25	0	6.36	<=13	Pass
	713.5	25	0	6.08	<=13	Pass

5.1.2 B17_10MHz

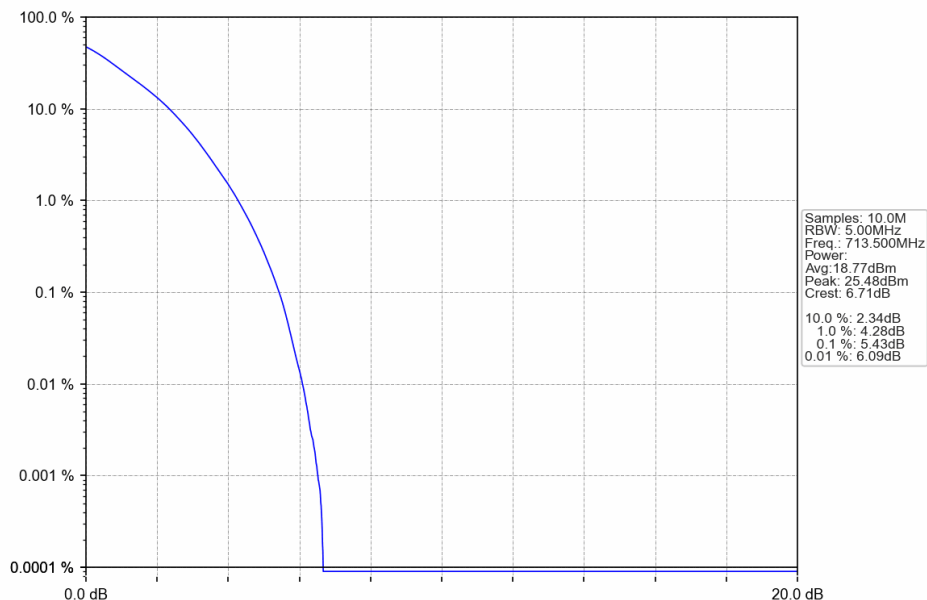
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.60	<=13	Pass
	710	50	0	5.65	<=13	Pass
	711	50	0	5.63	<=13	Pass
16QAM	709	50	0	6.30	<=13	Pass
	710	50	0	6.32	<=13	Pass
	711	50	0	6.27	<=13	Pass

5.2 Test Graph

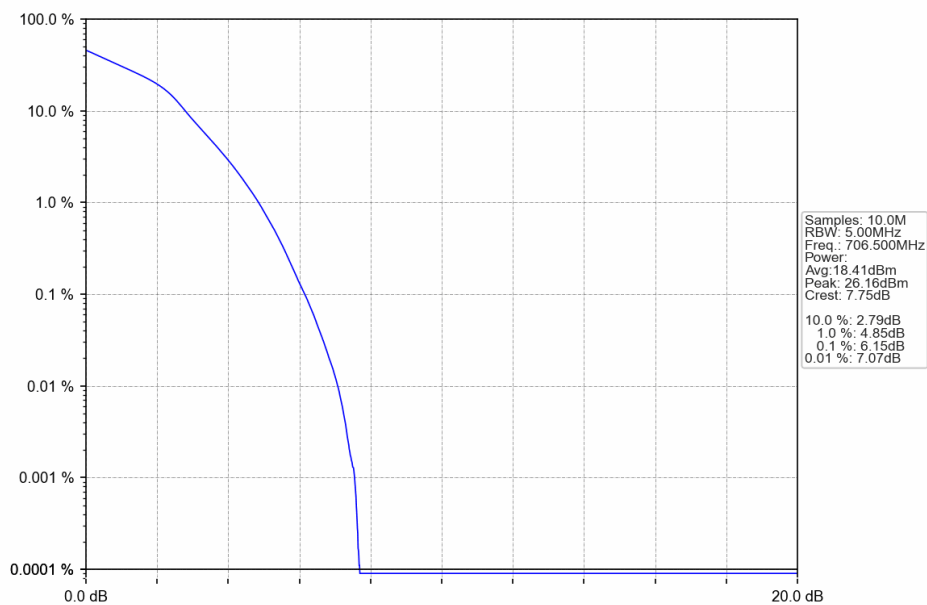
5.2.1 B17_5MHz



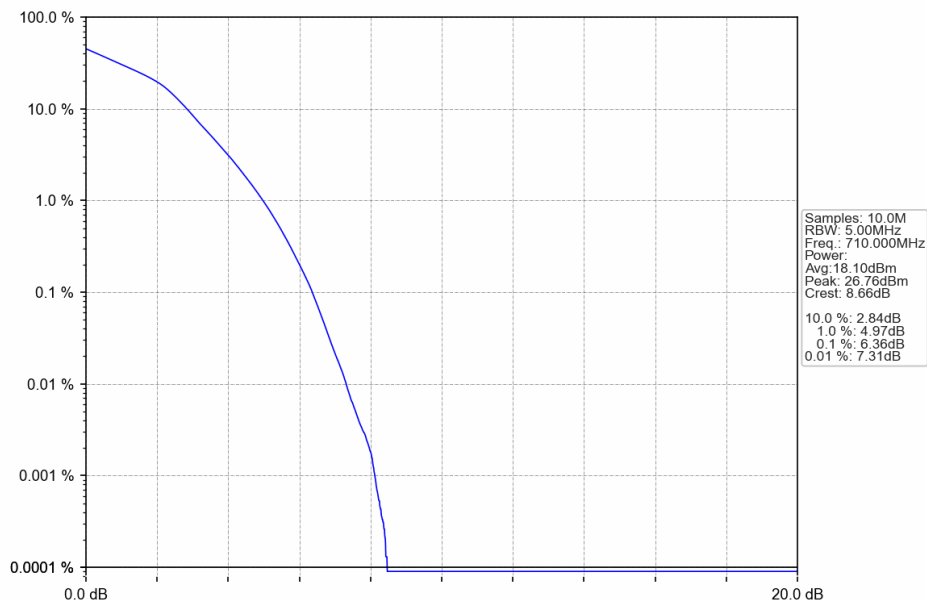
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



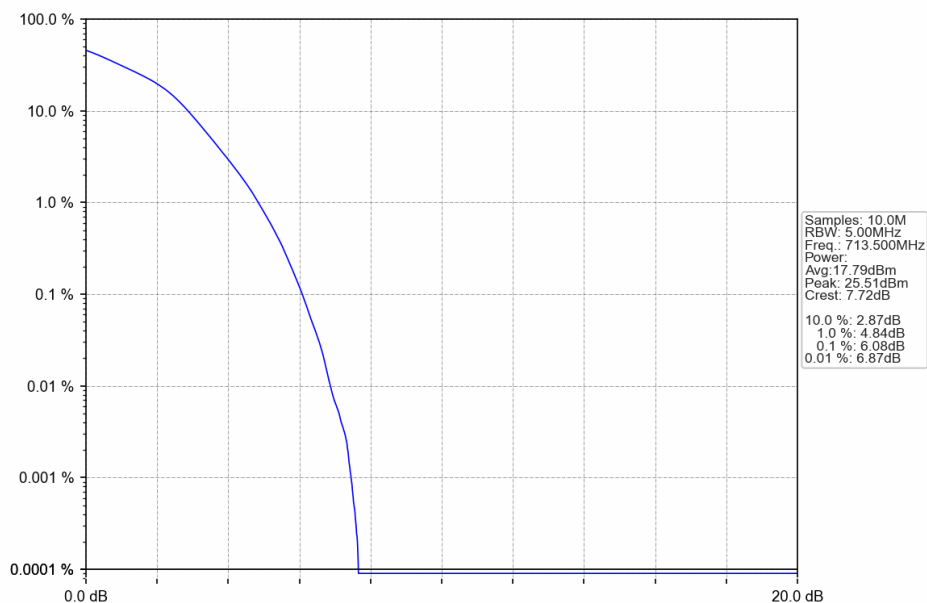
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



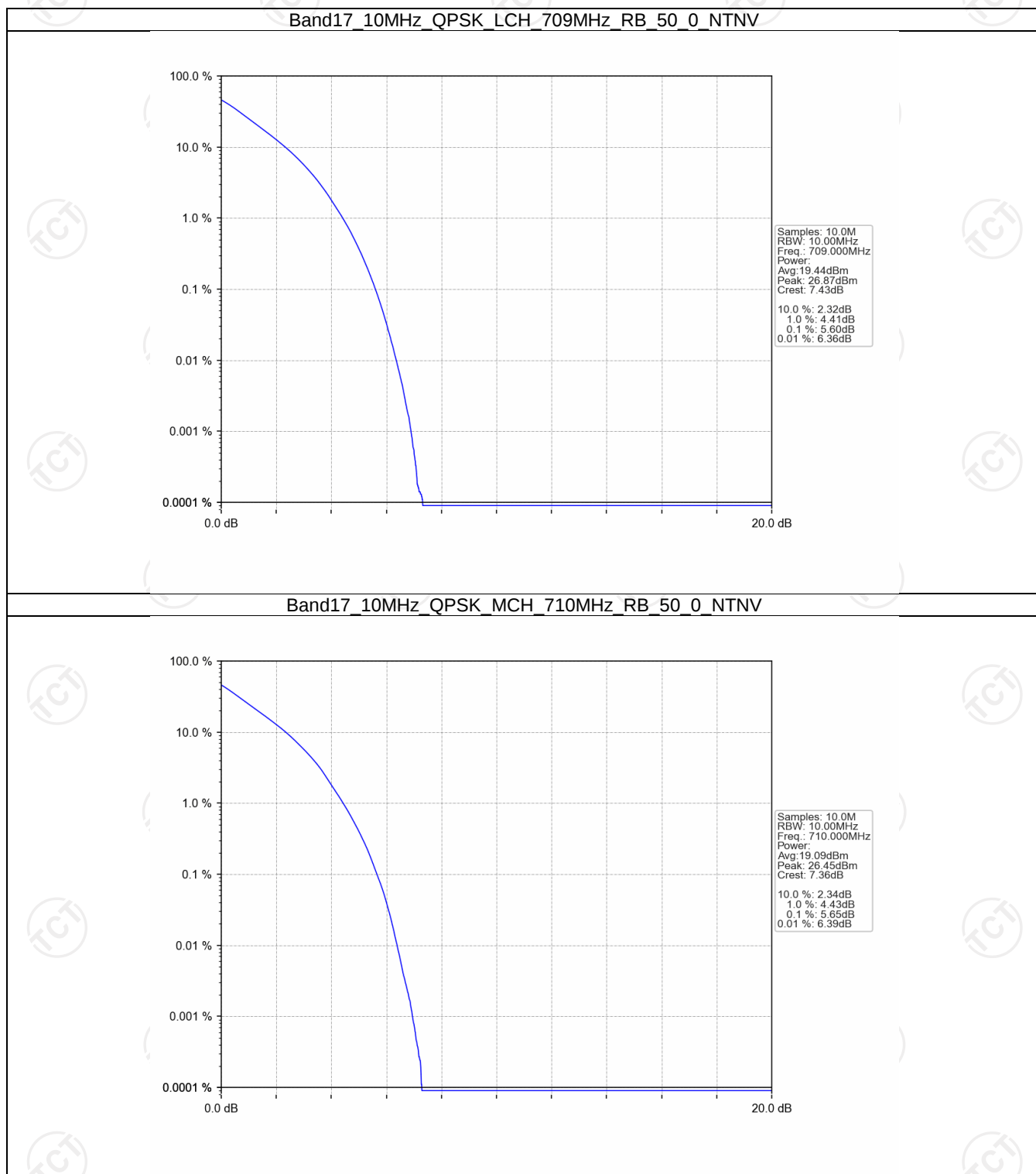
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



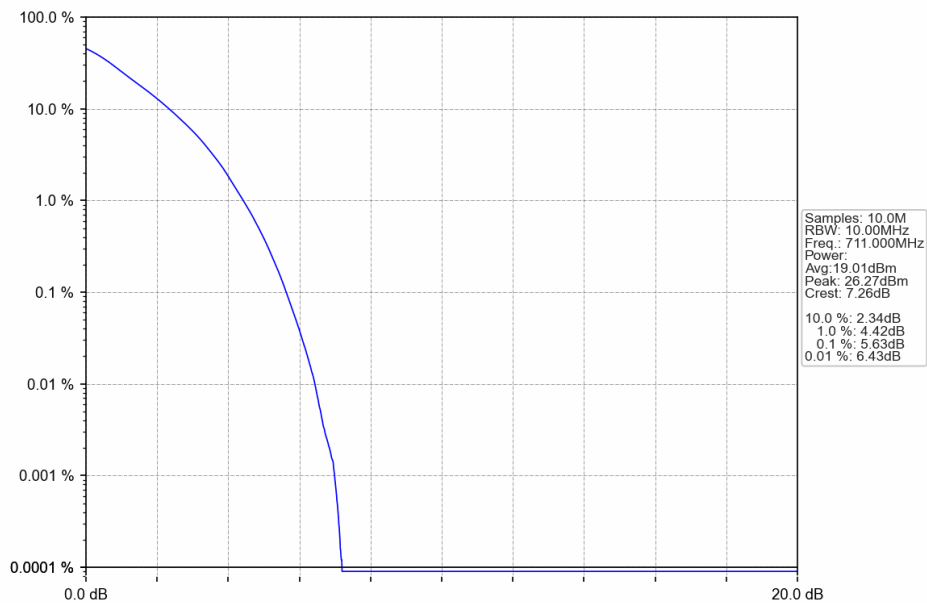
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



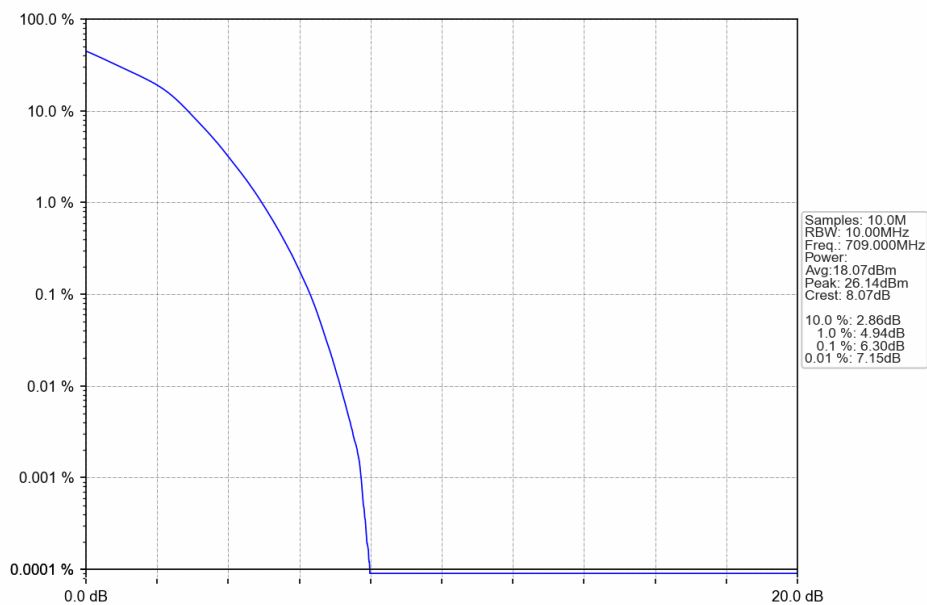
5.2.2 B17_10MHz



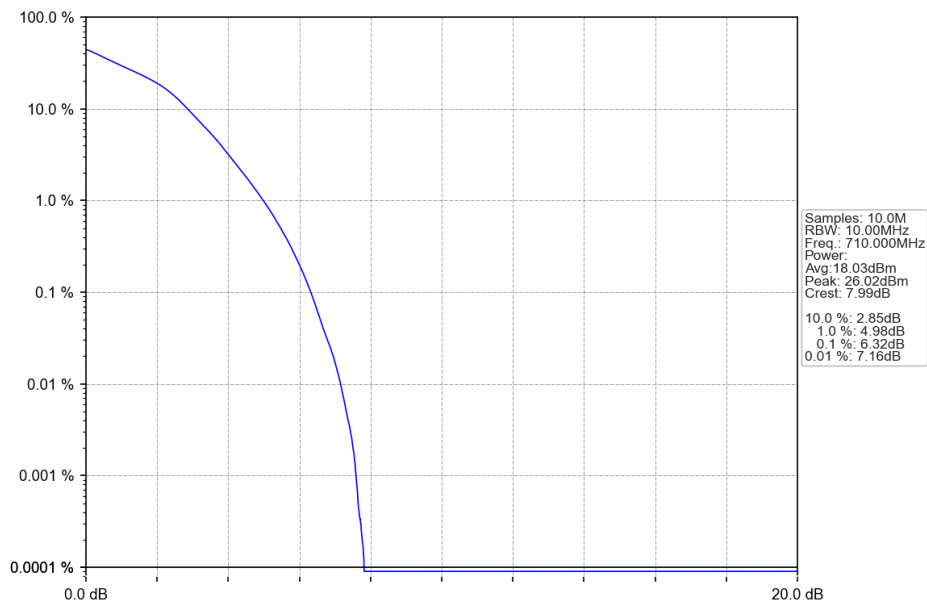
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



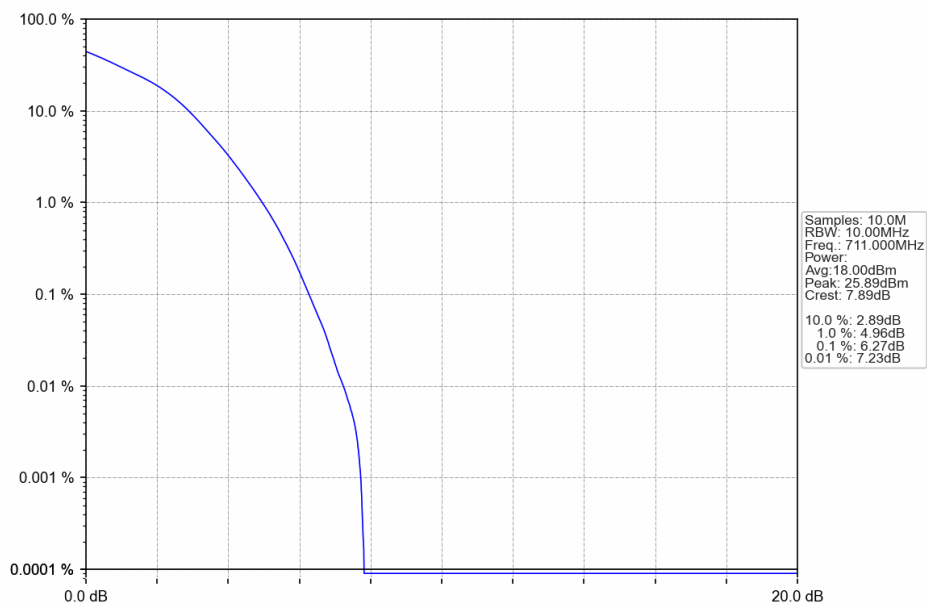
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV



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

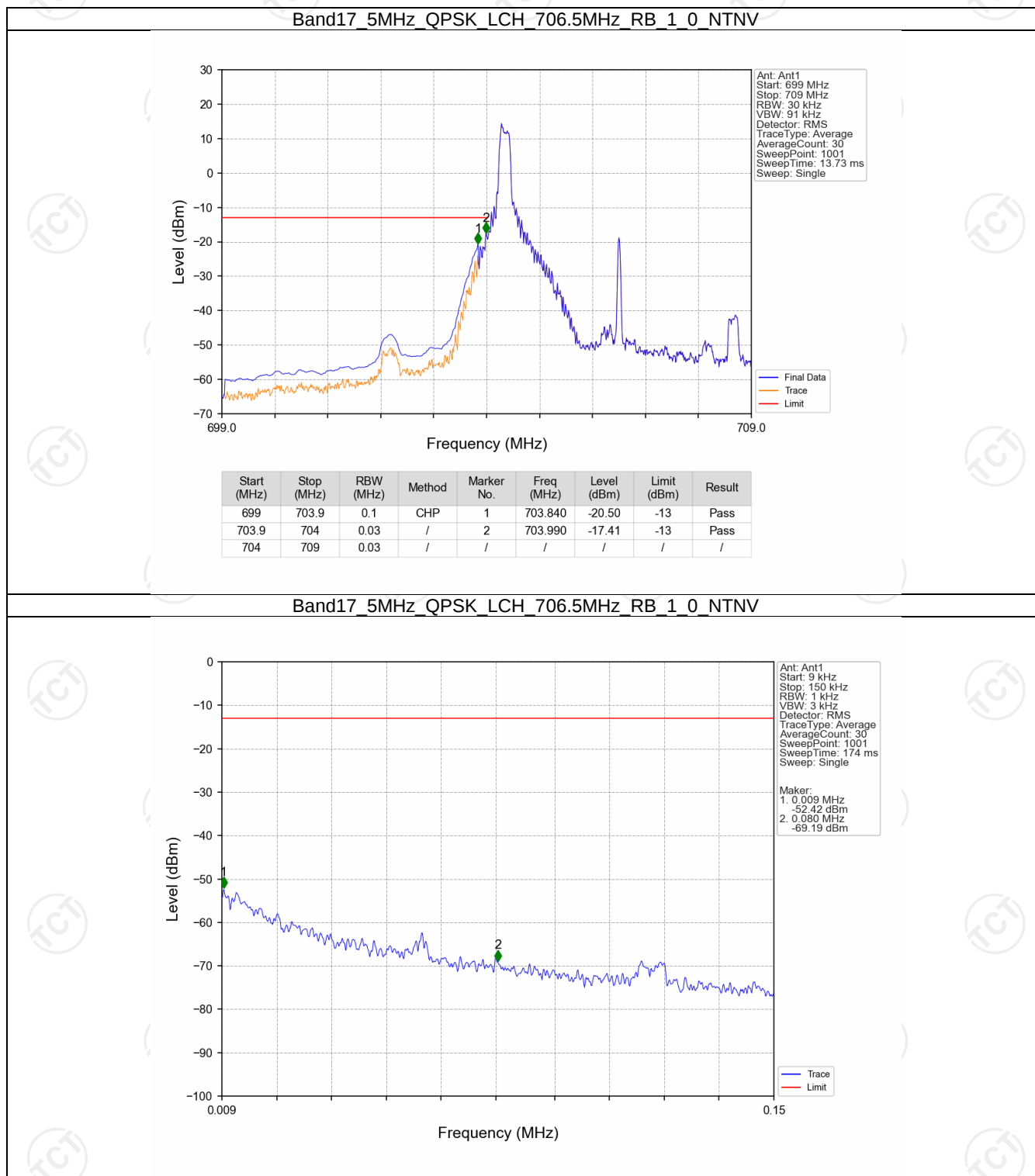
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph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

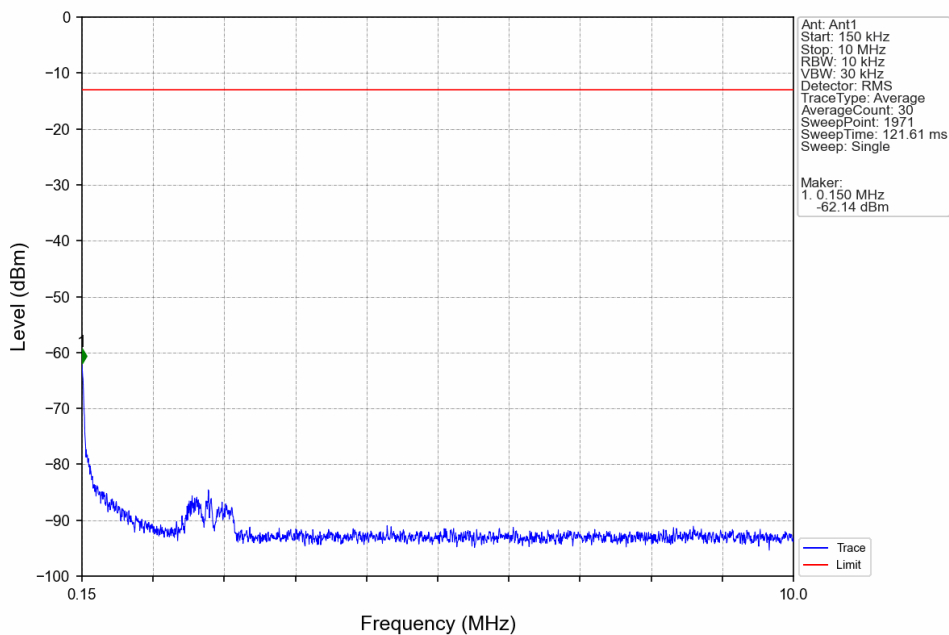
Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

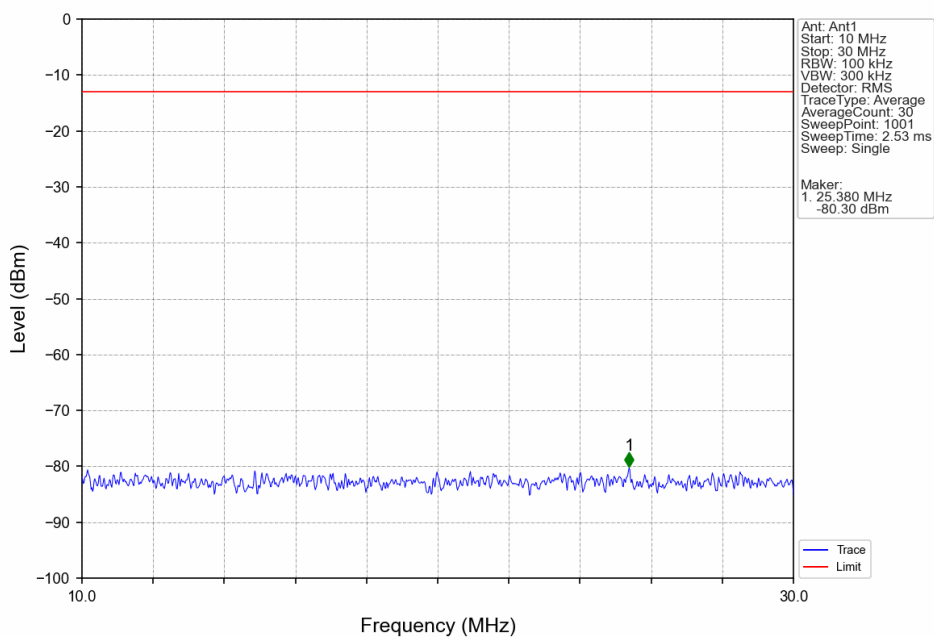
6.2.1 B17_5MHz



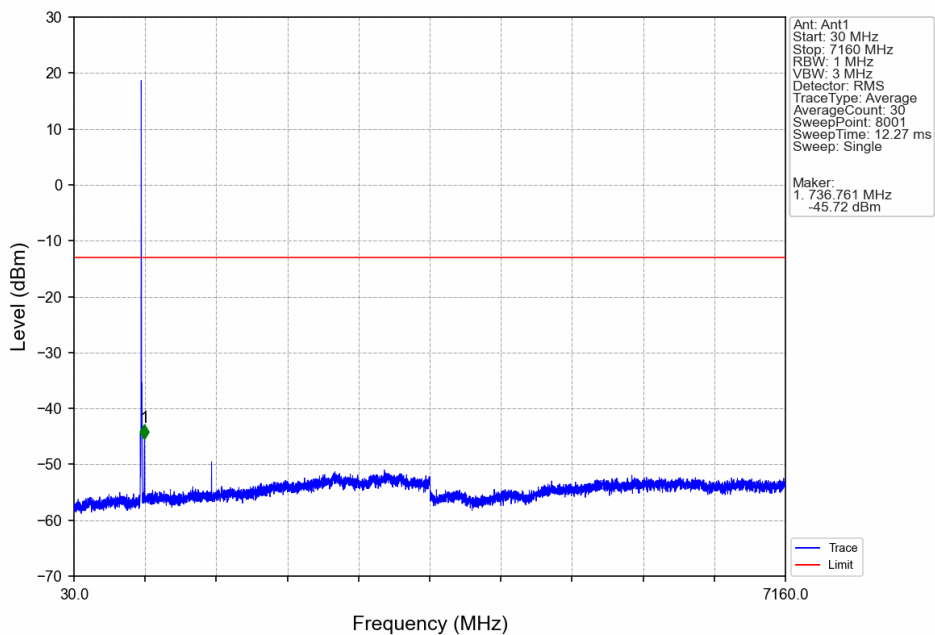
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



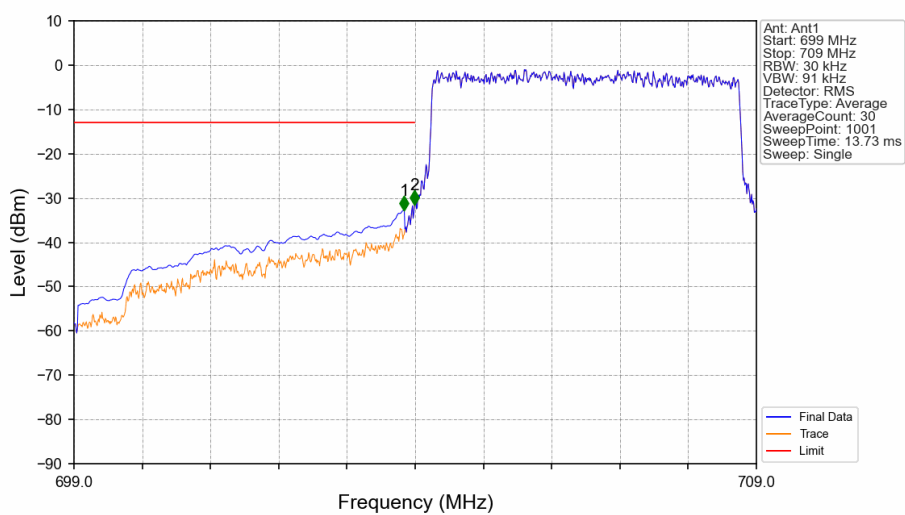
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV

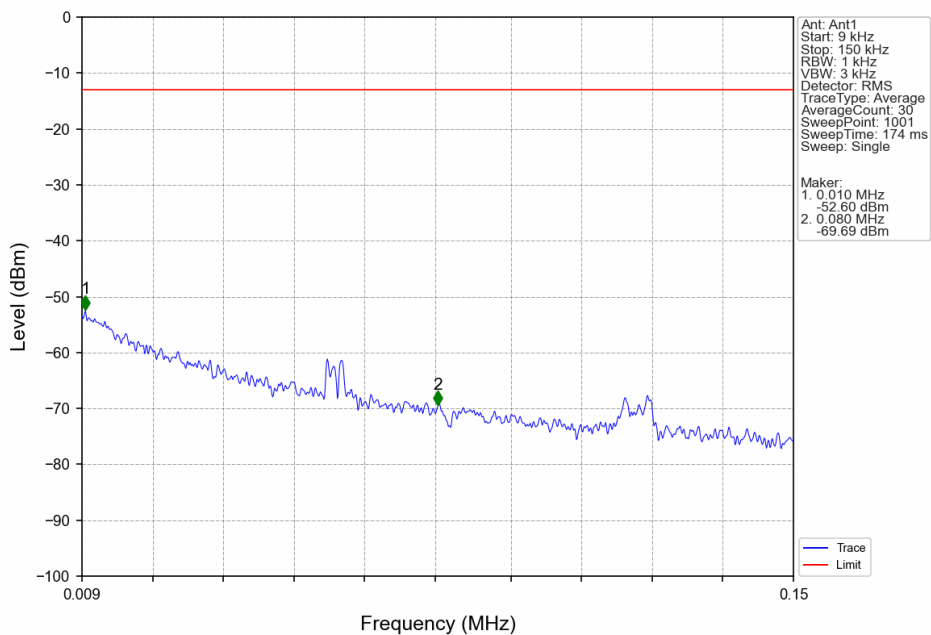


Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV

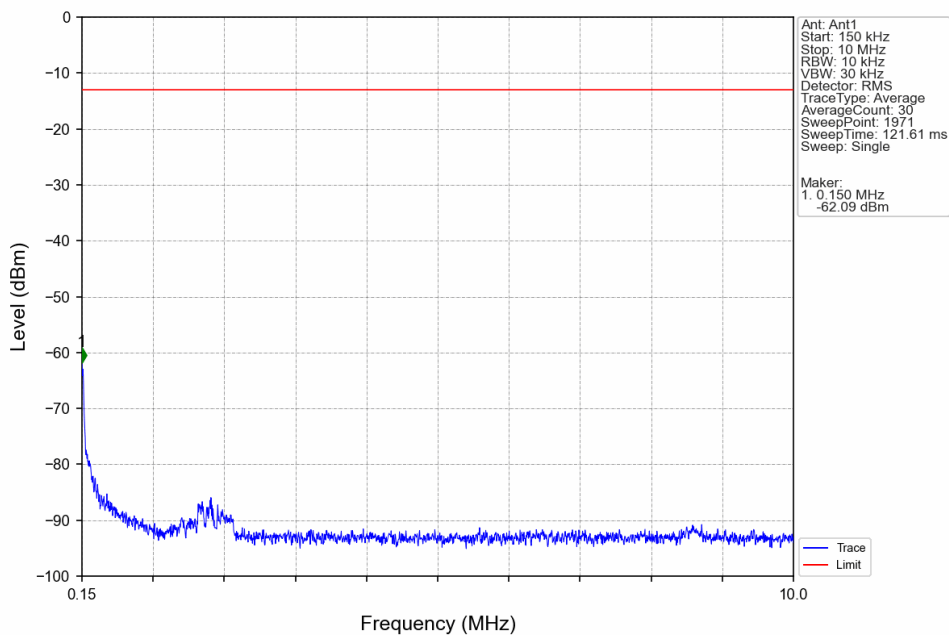


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-32.68	-13	Pass
703.9	704	0.03	/	2	703.990	-31.48	-13	Pass
704	709	0.03	/	/	/	/	/	/

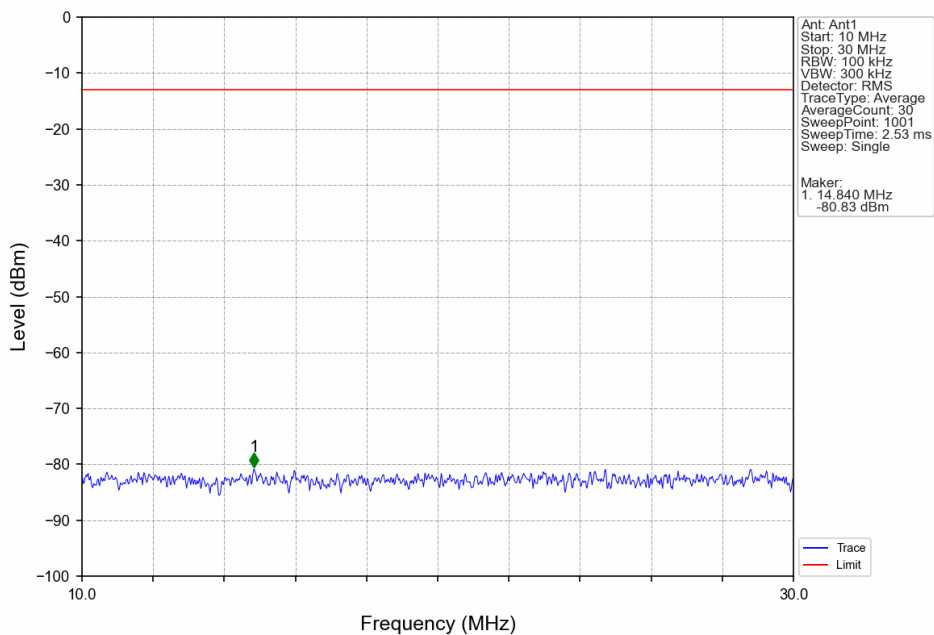
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV



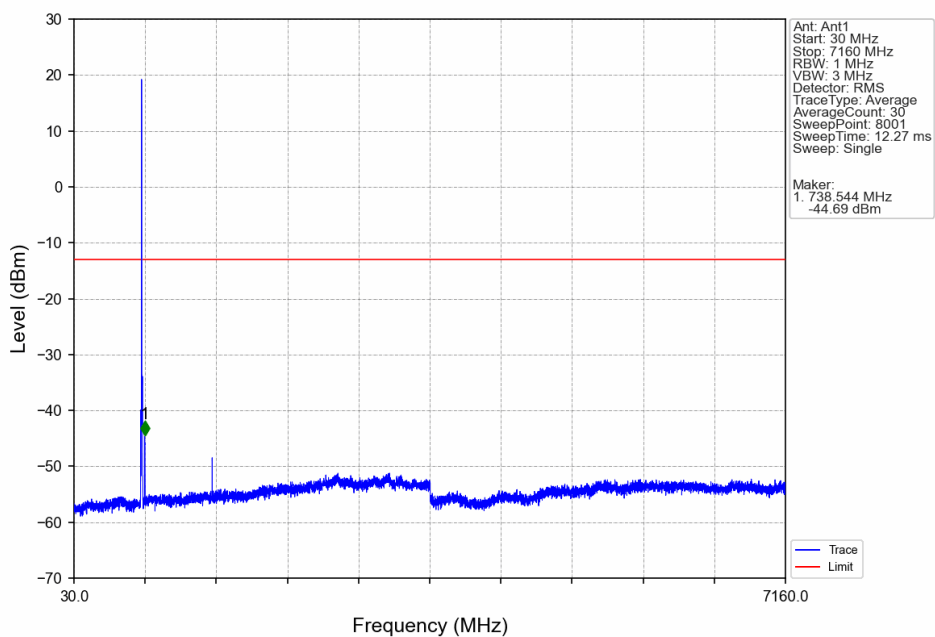
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV



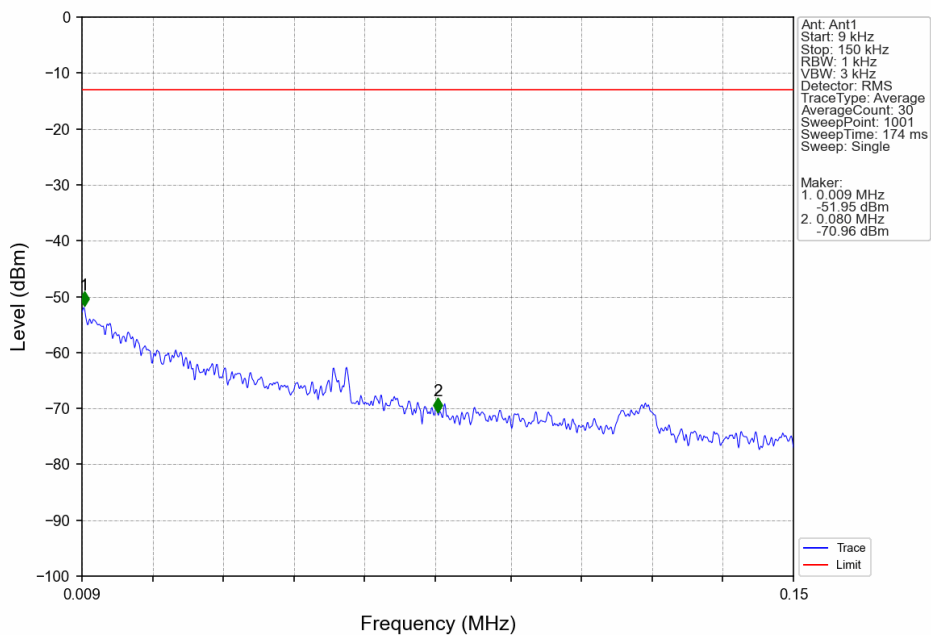
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV



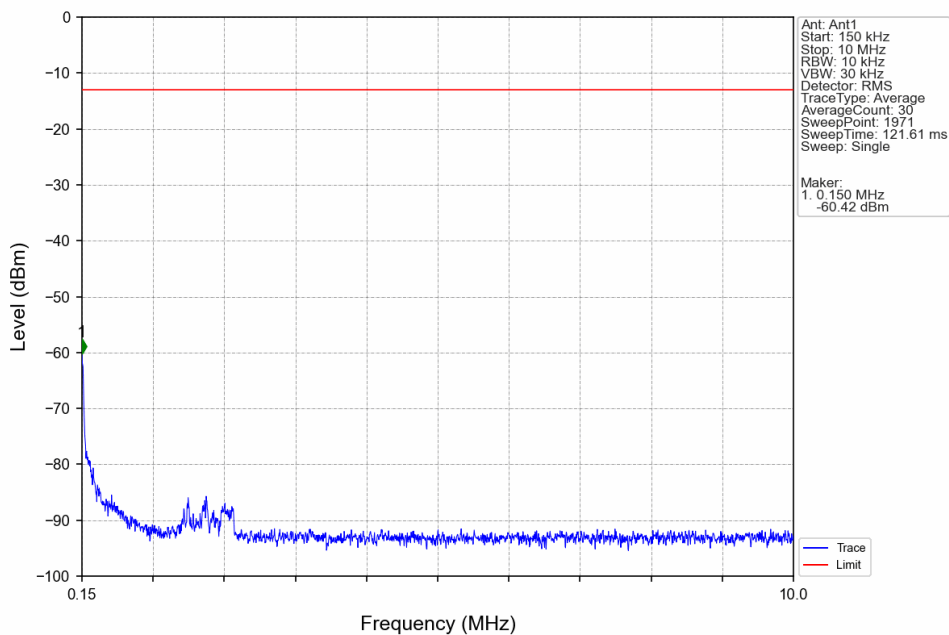
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV



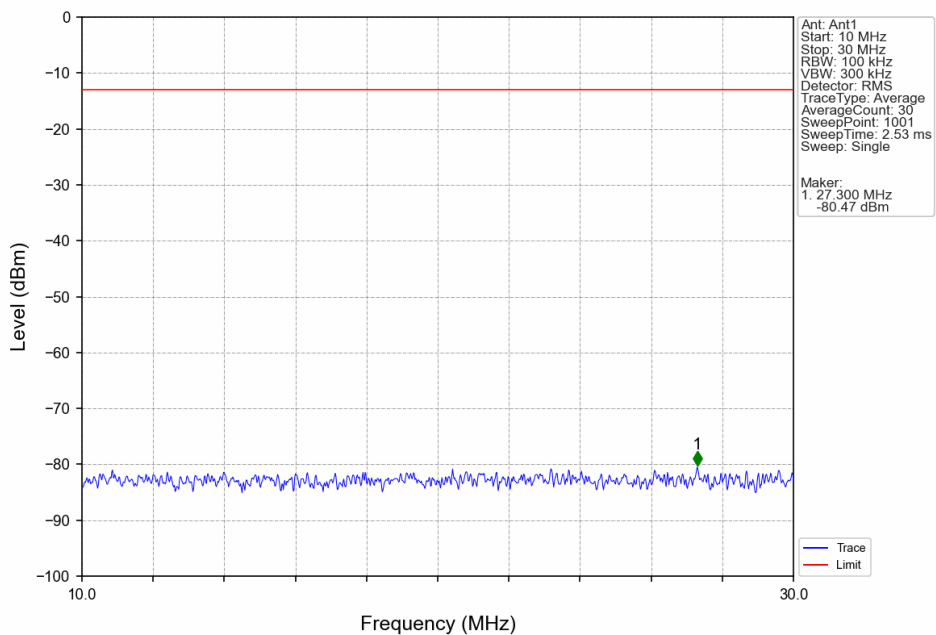
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



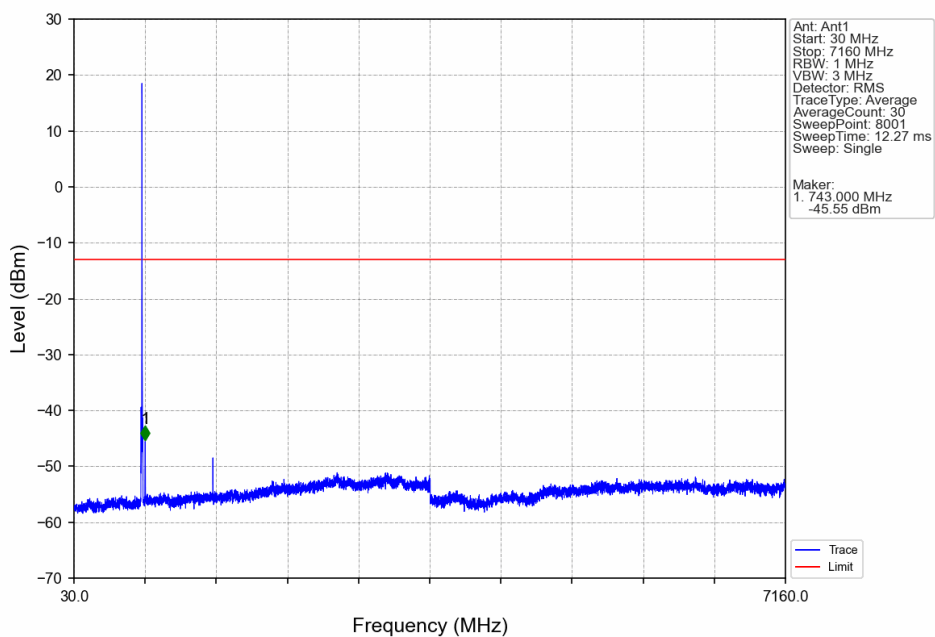
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



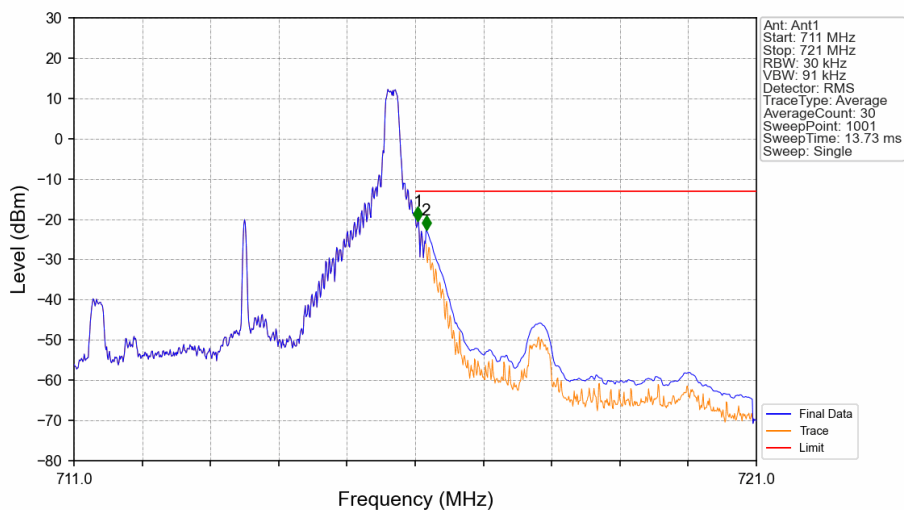
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV

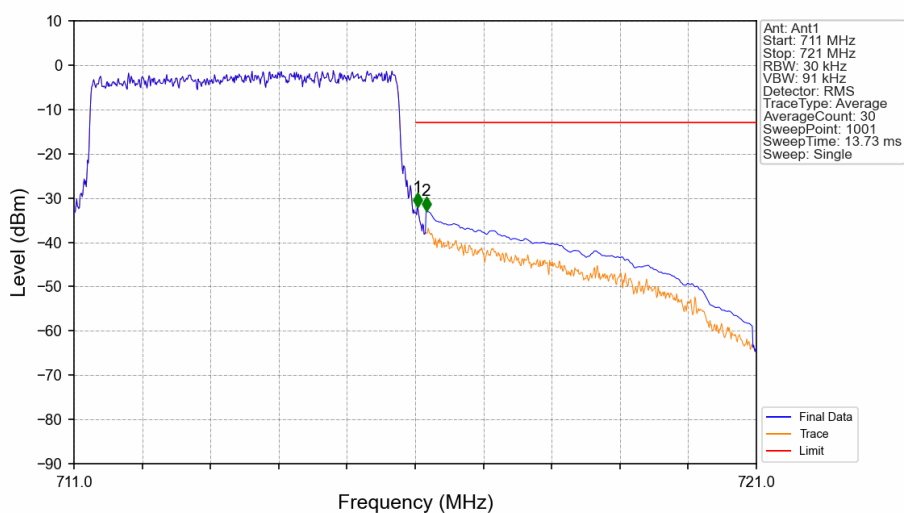


Band17 5MHz QPSK HCH 713.5MHz RB 1 24 NTV



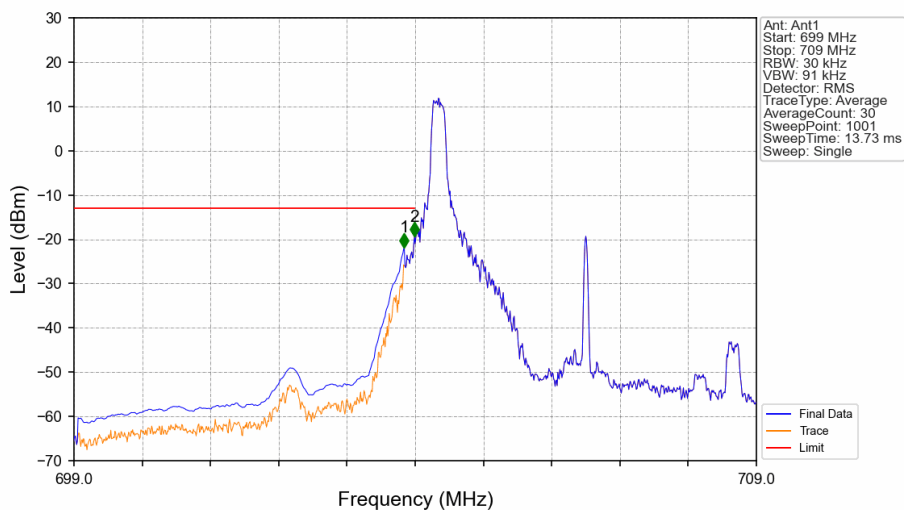
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.040	-20.34	-13	Pass
716.1	721	0.1	CHP	2	716.160	-22.70	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



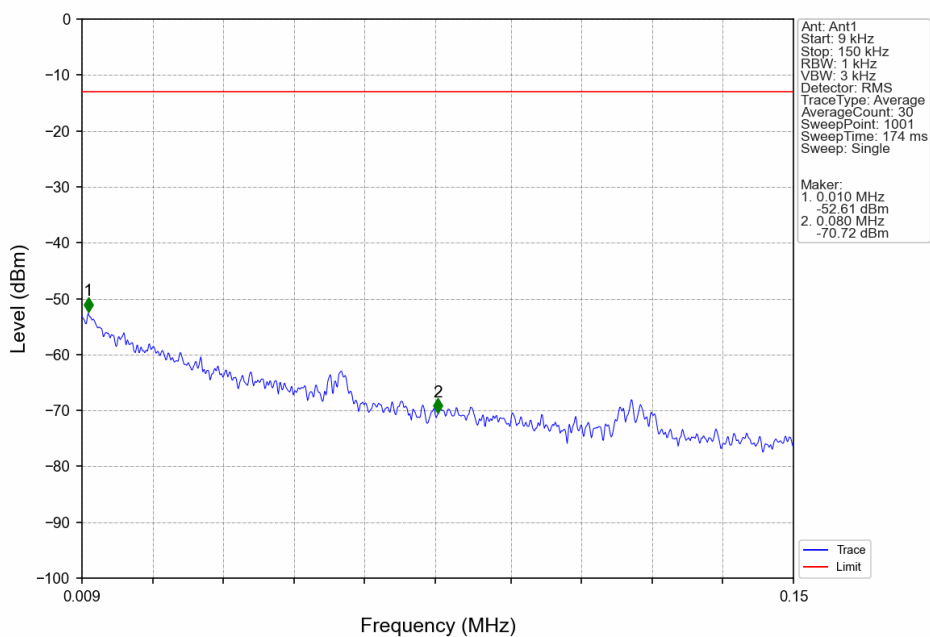
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-31.98	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.84	-13	Pass

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

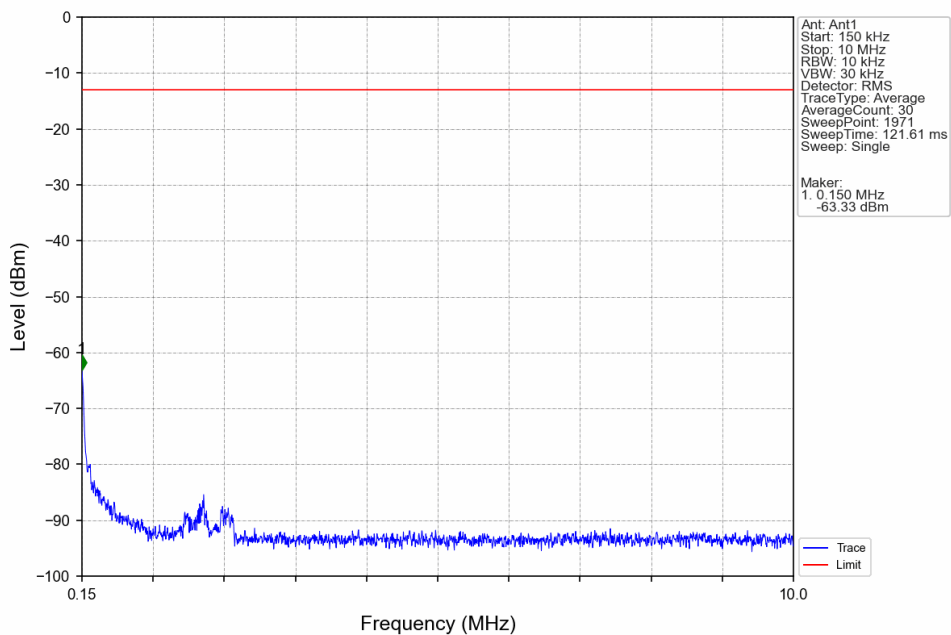


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-21.77	-13	Pass
703.9	704	0.03	/	2	703.990	-19.33	-13	Pass
704	709	0.03	/	/	/	/	/	/

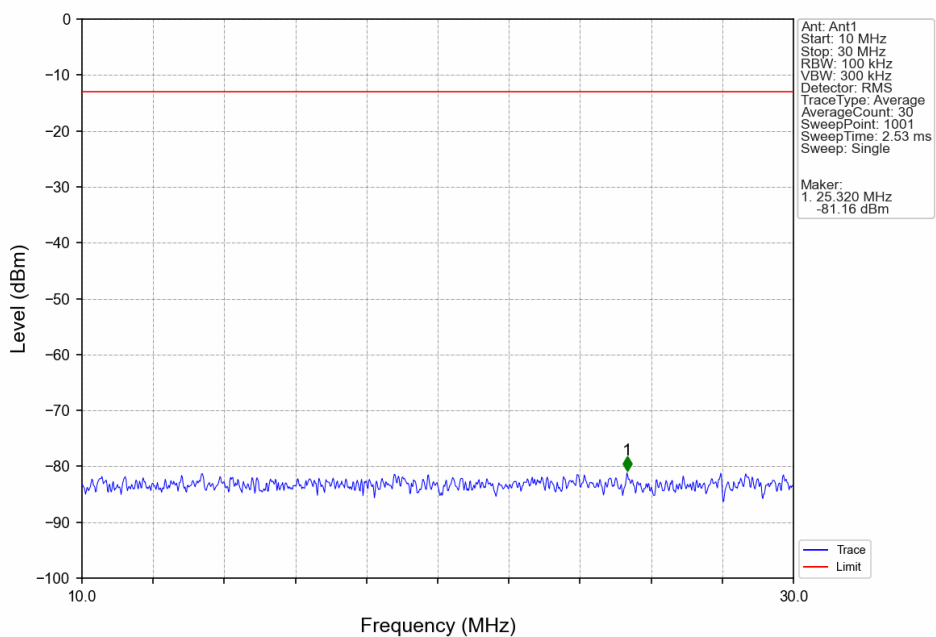
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV



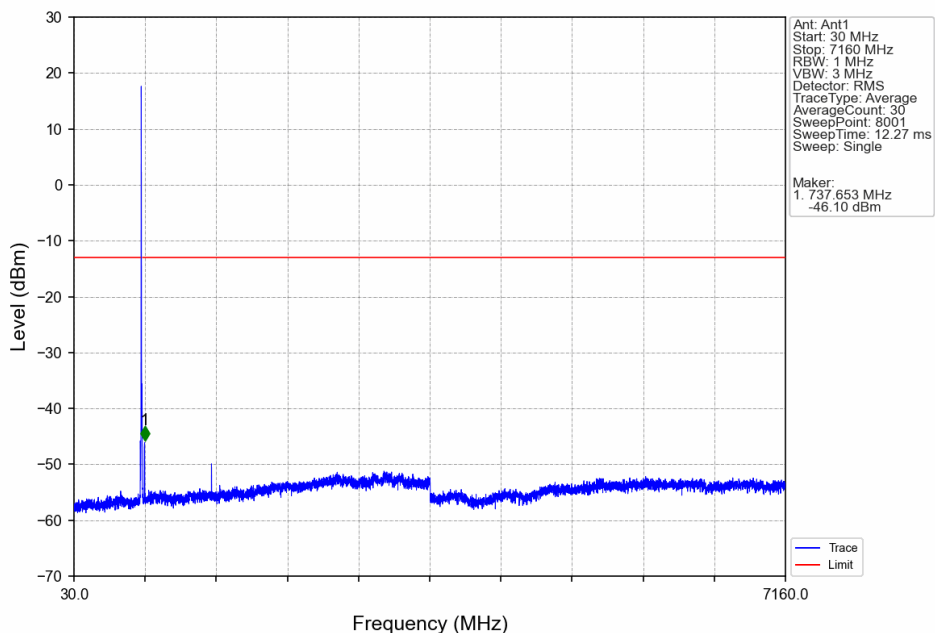
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV



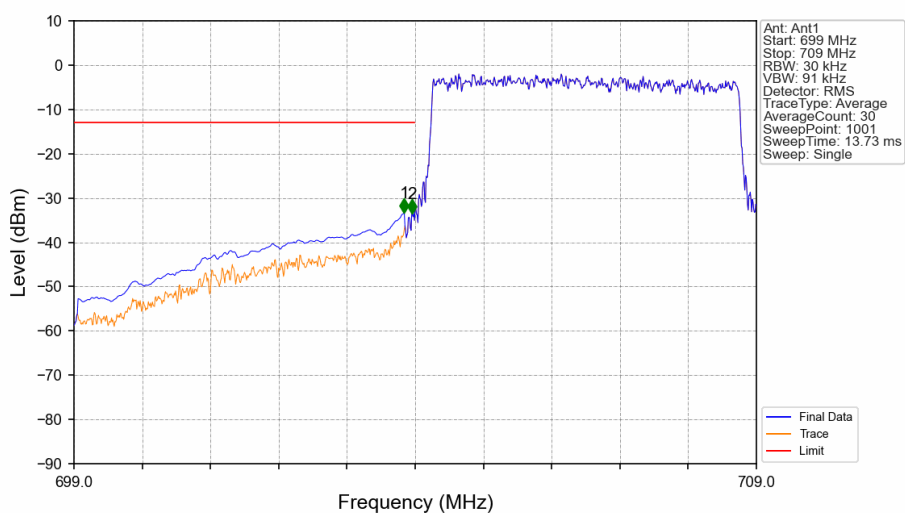
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV



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

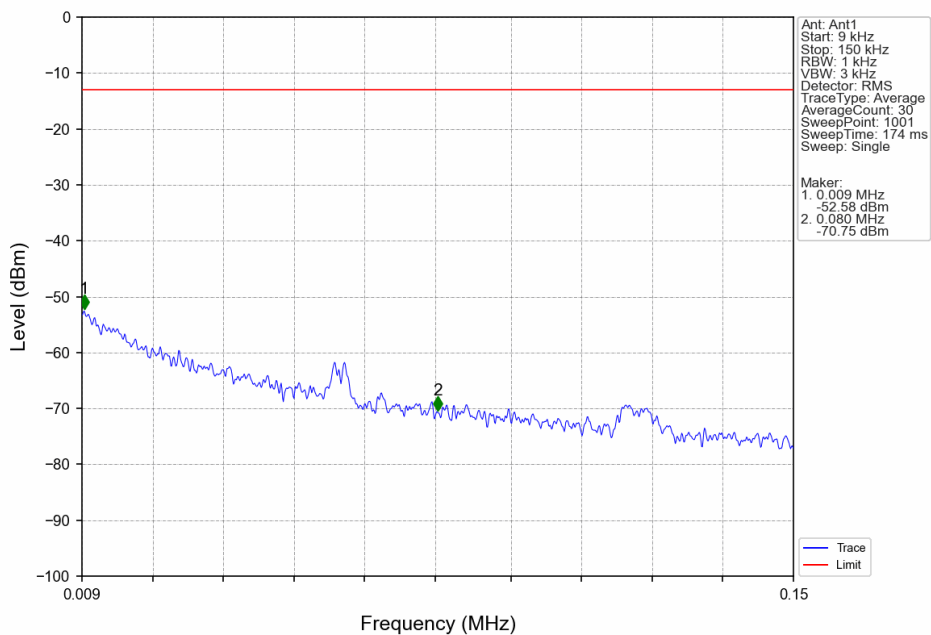


Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV

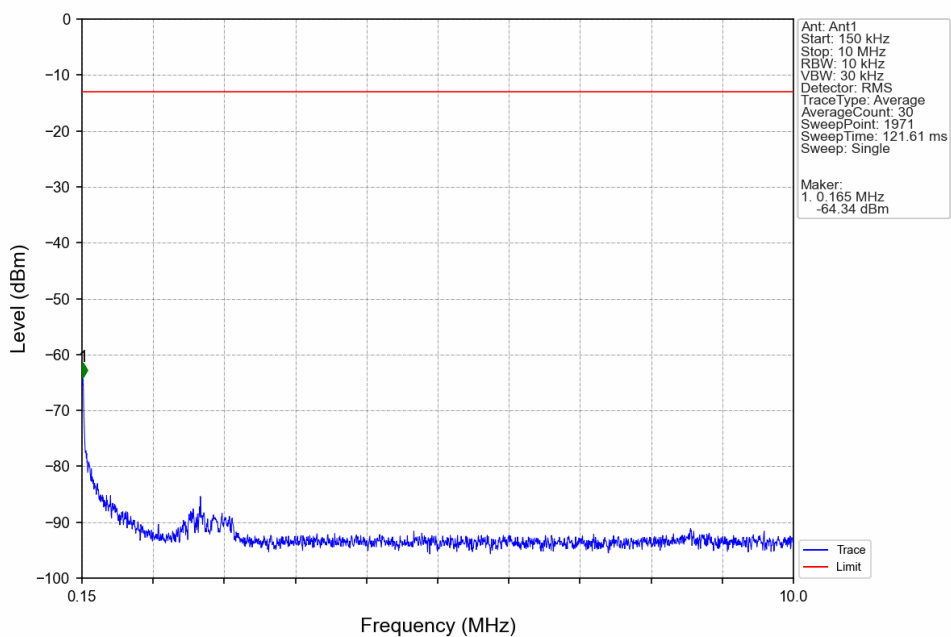


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-33.31	-13	Pass
703.9	704	0.03	/	2	703.950	-33.51	-13	Pass
704	709	0.03	/	/	/	/	/	/

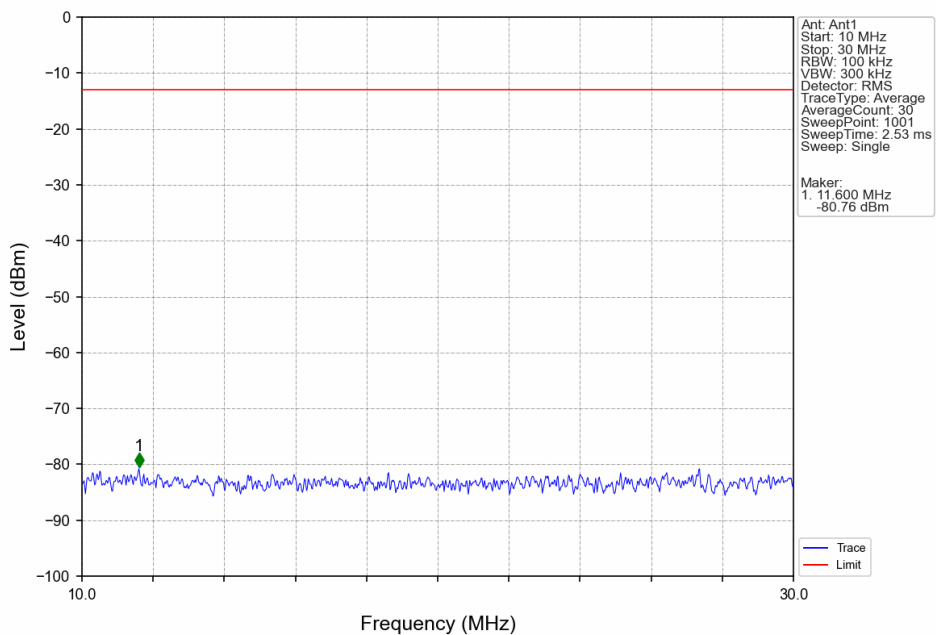
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



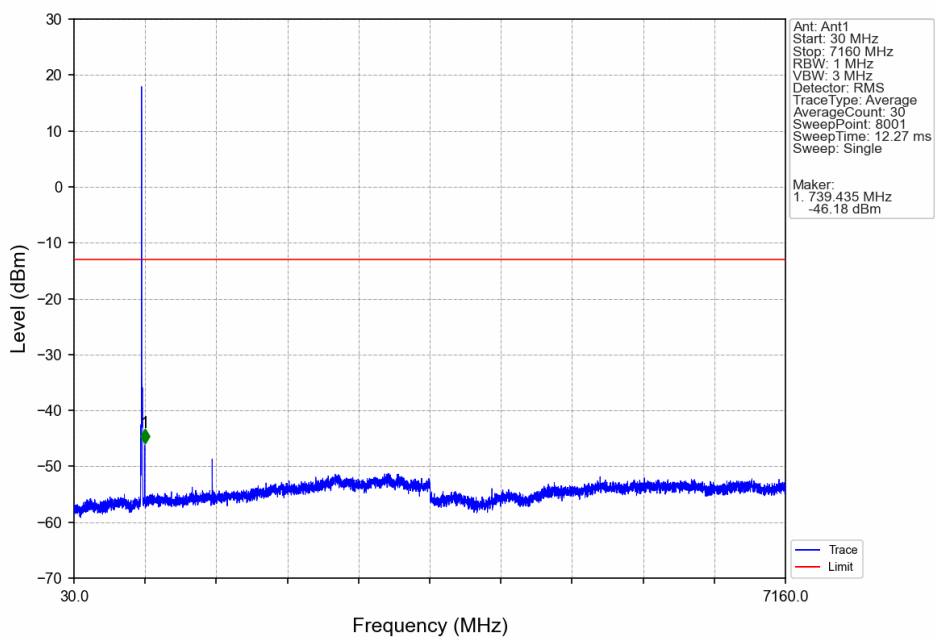
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



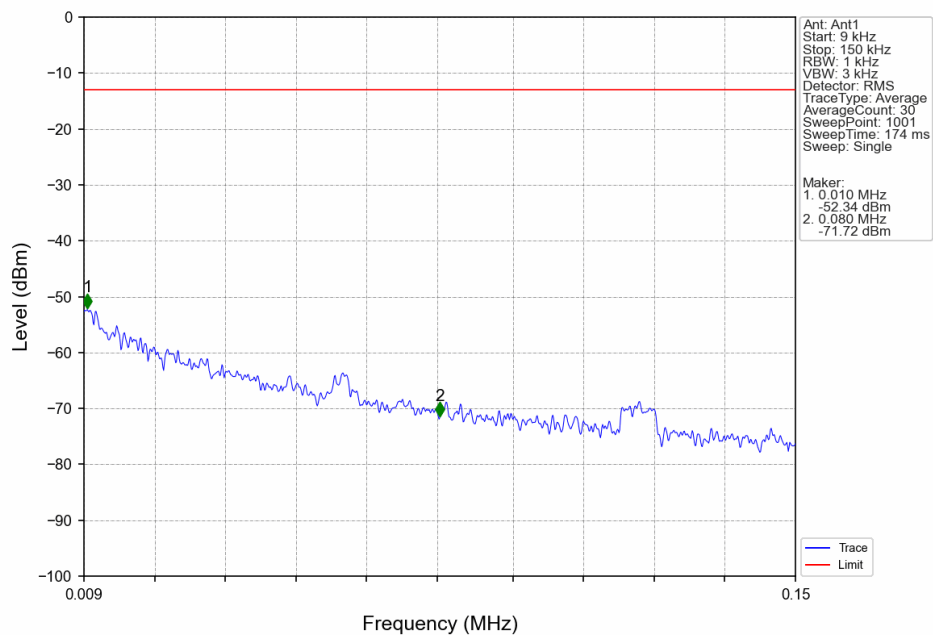
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



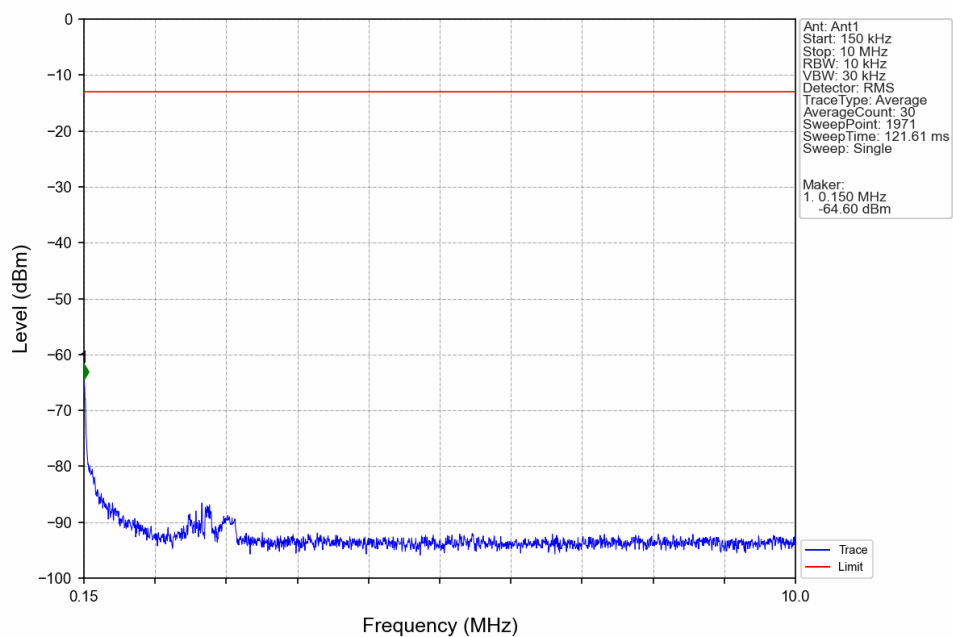
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



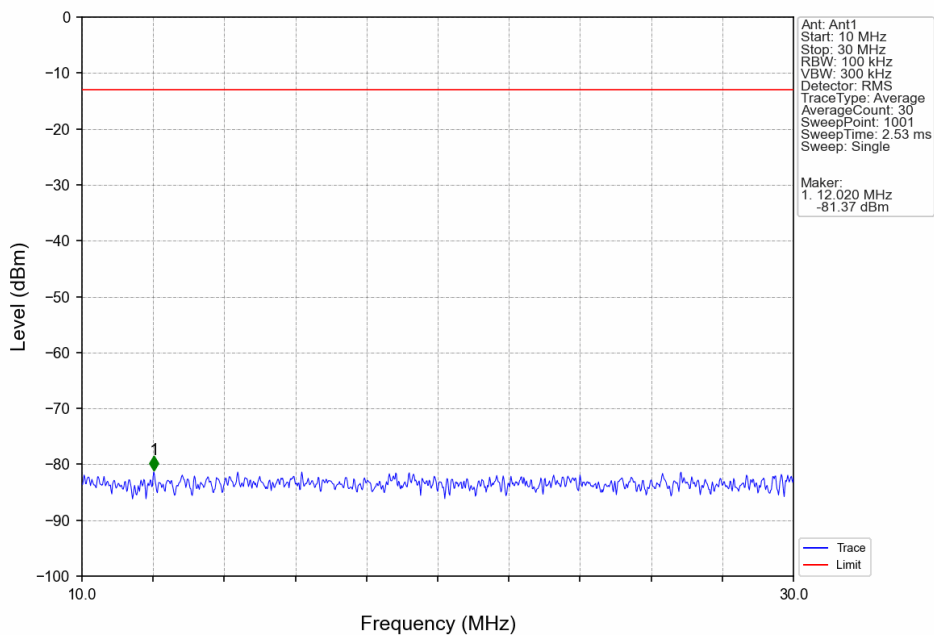
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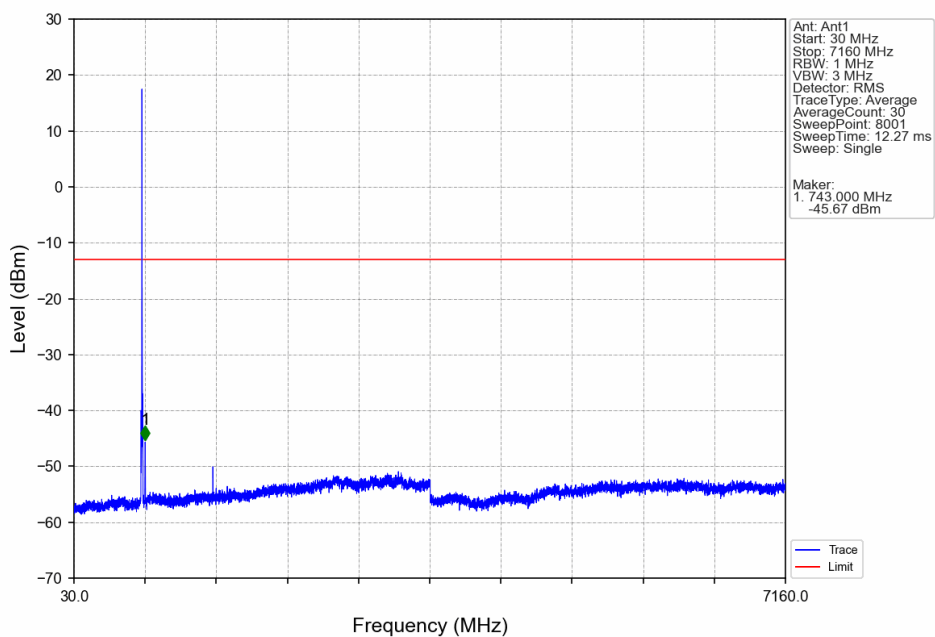
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



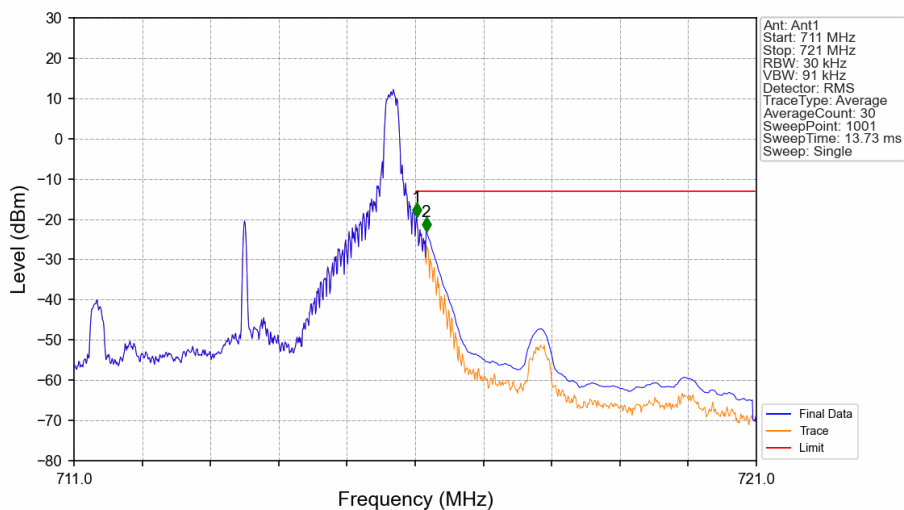
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



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

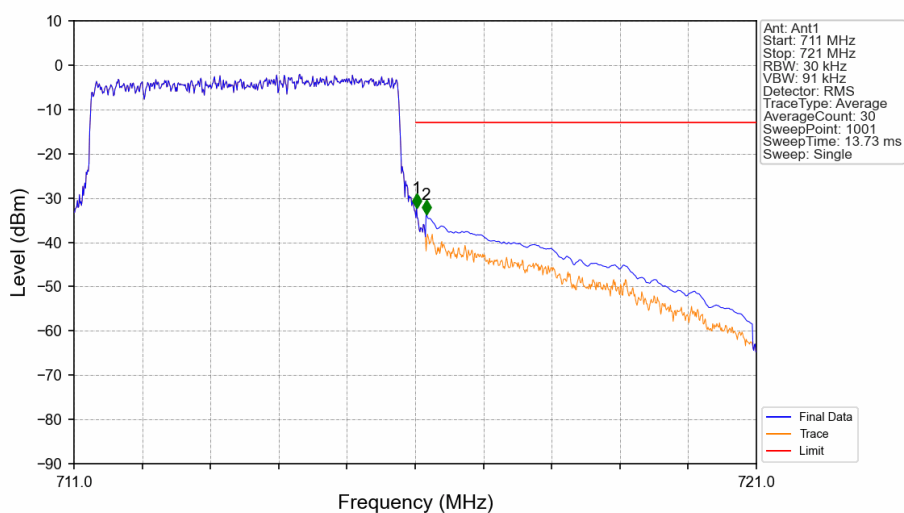


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



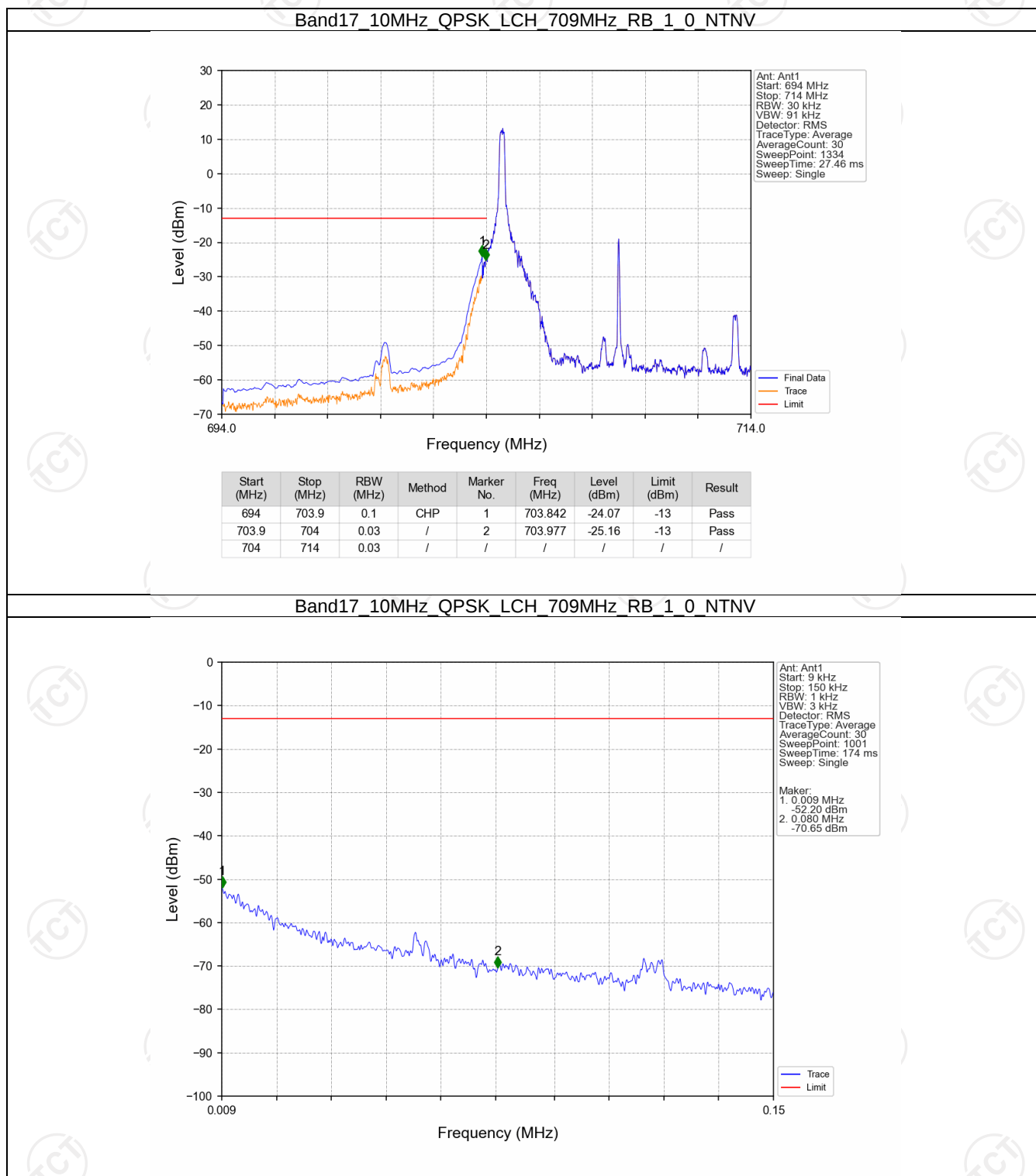
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-19.43	-13	Pass
716.1	721	0.1	CHP	2	716.160	-22.96	-13	Pass

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

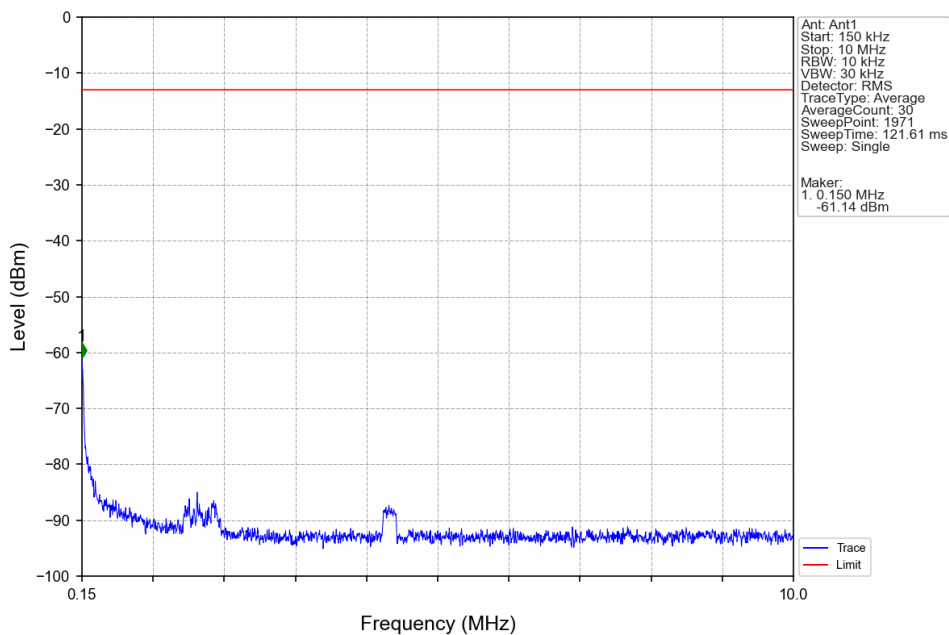


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-32.26	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.62	-13	Pass

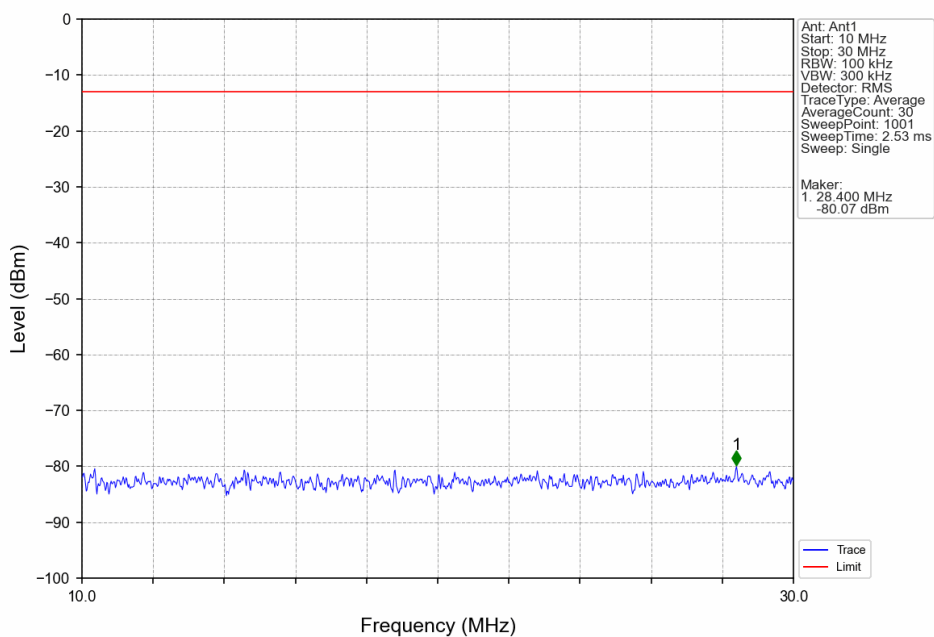
6.2.2 B17_10MHz



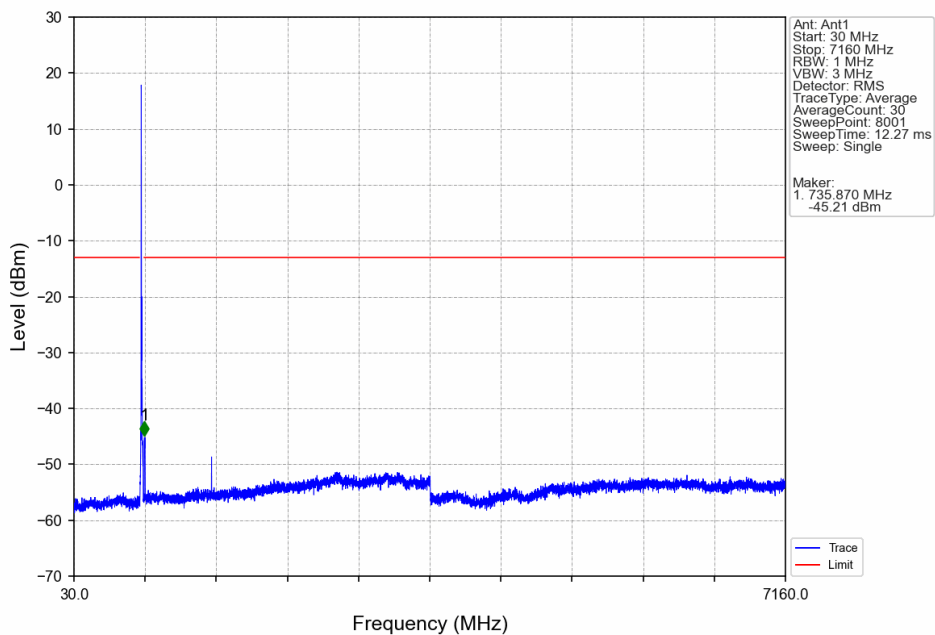
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV



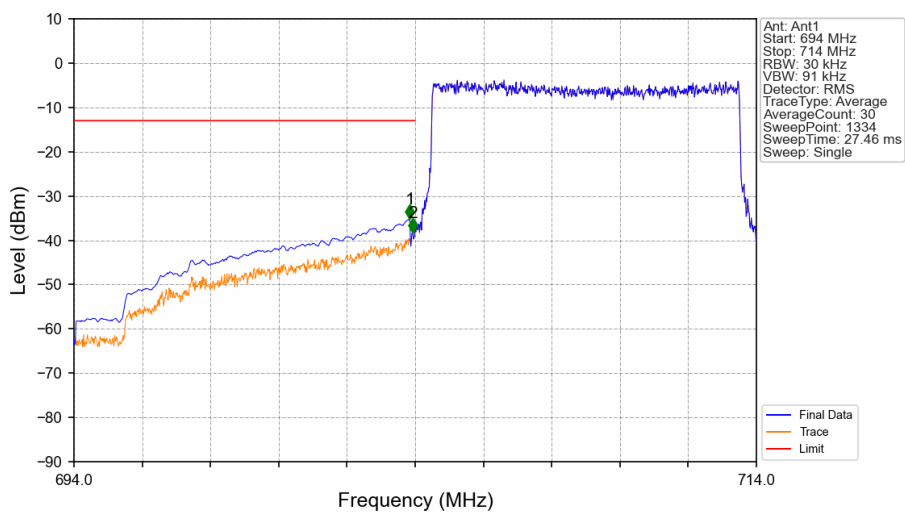
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV



Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN

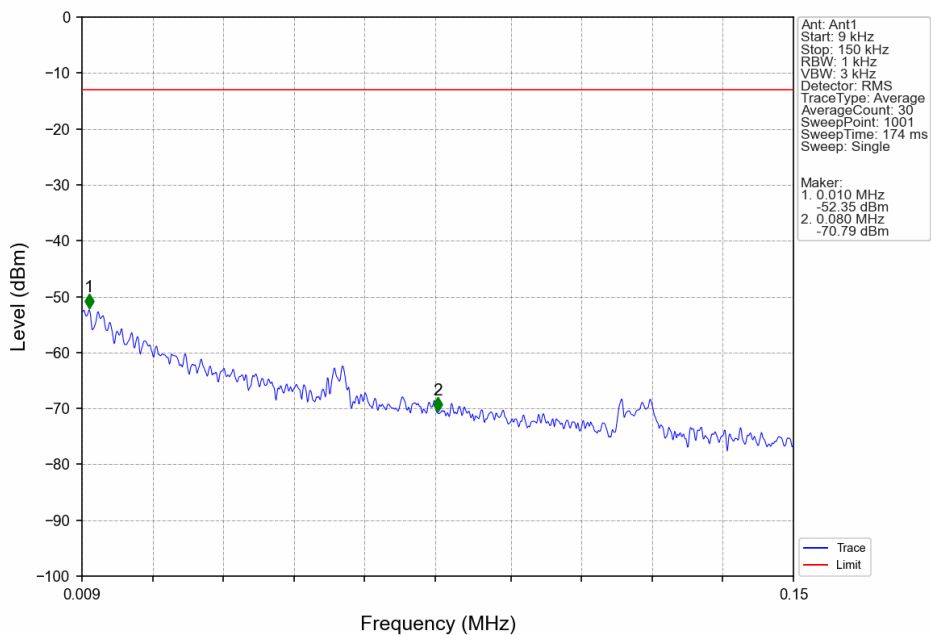


Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN

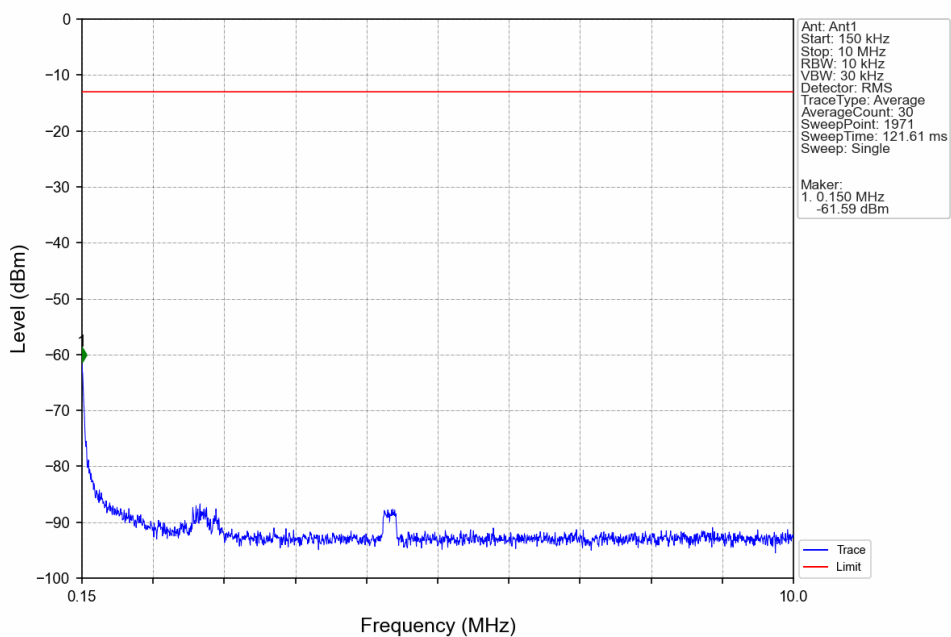


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.12	-13	Pass
703.9	704	0.03	/	2	703.932	-38.21	-13	Pass
704	714	0.03	/	/	/	/	/	/

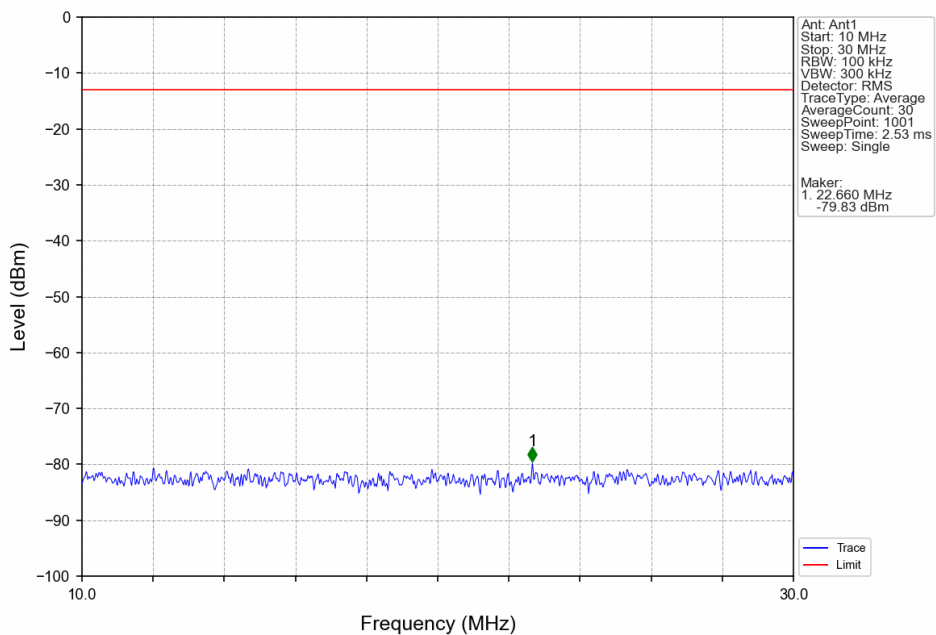
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



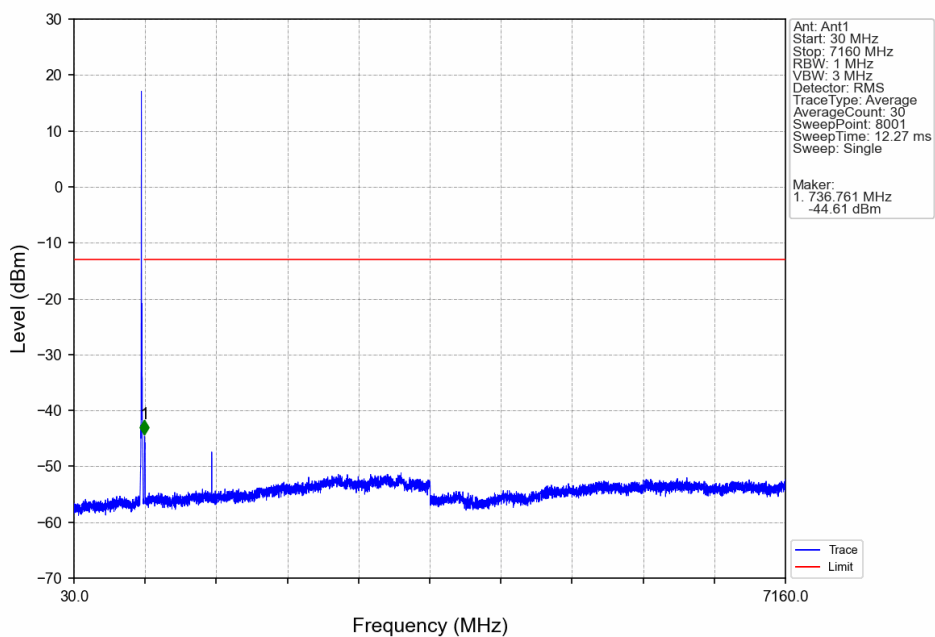
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



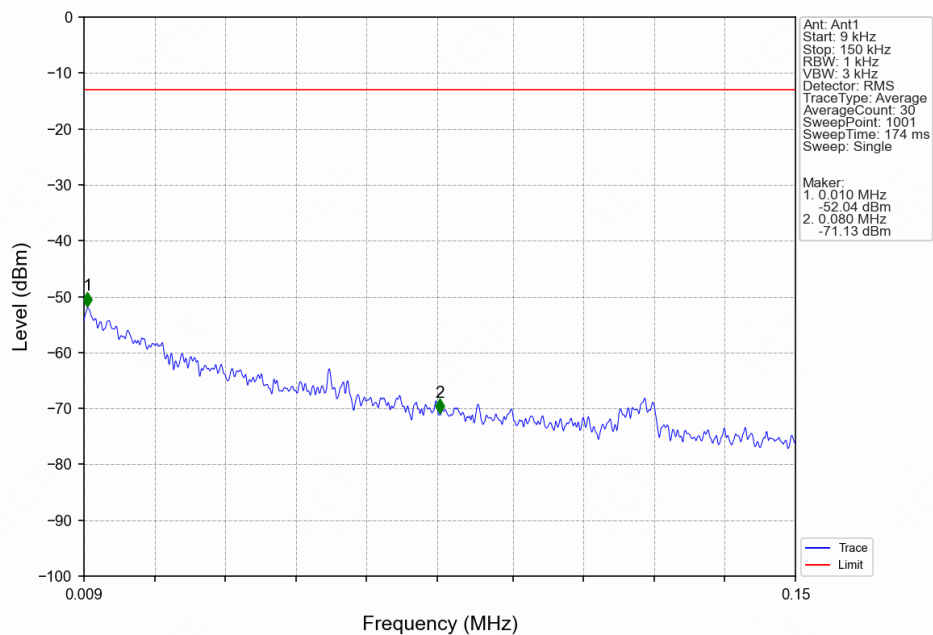
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



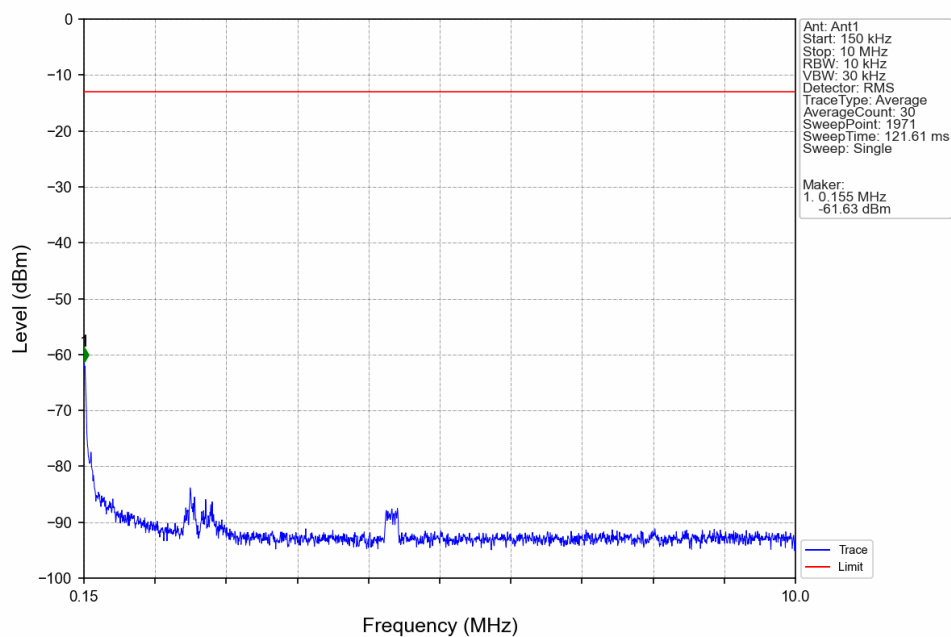
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



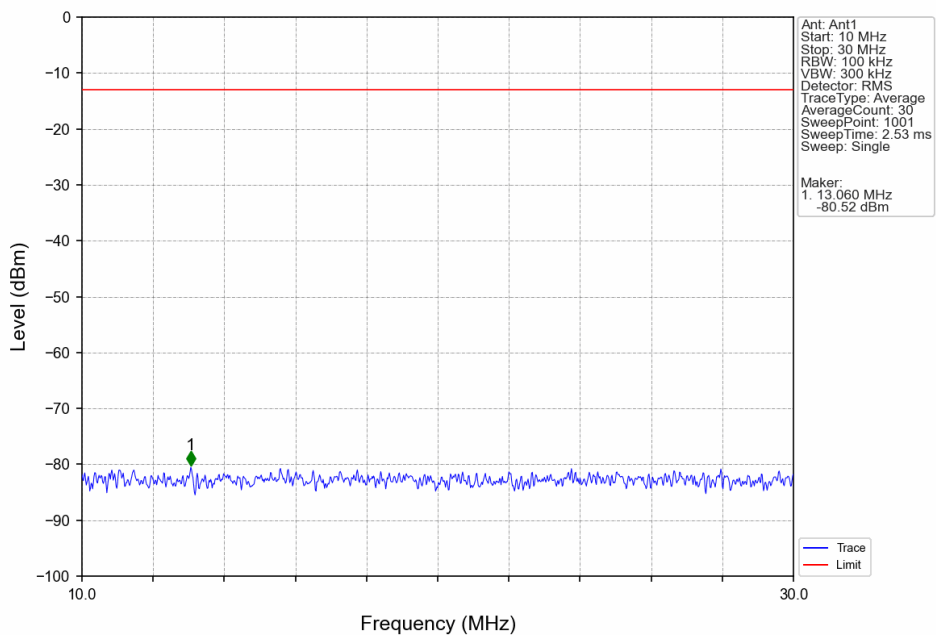
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN



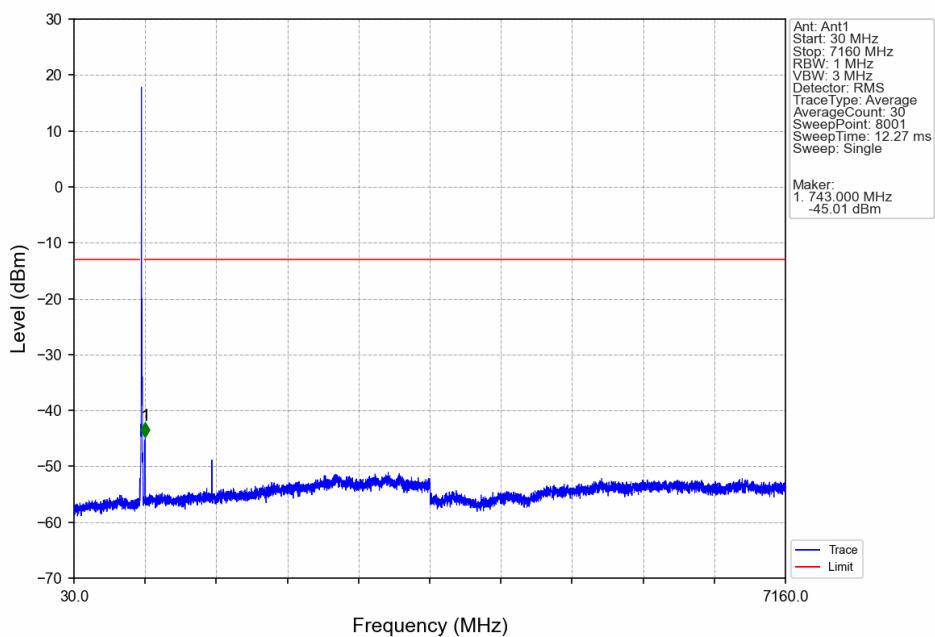
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN



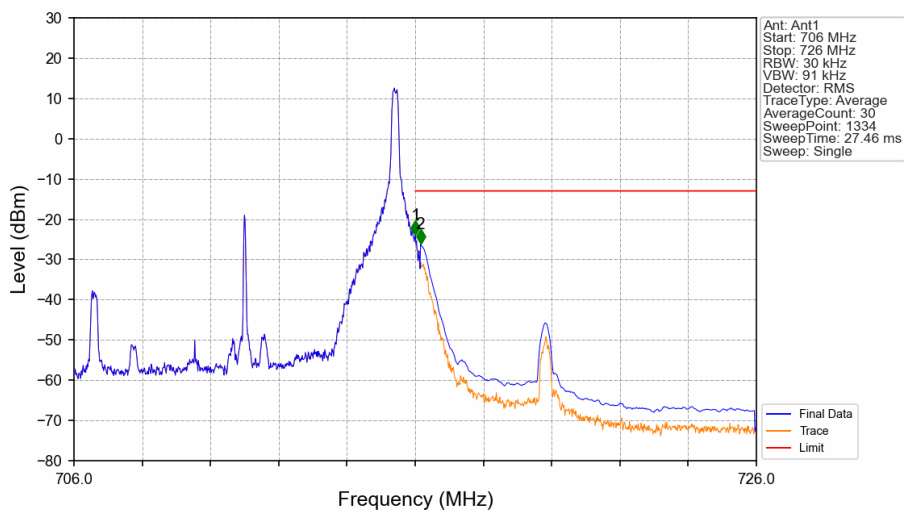
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN



Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN

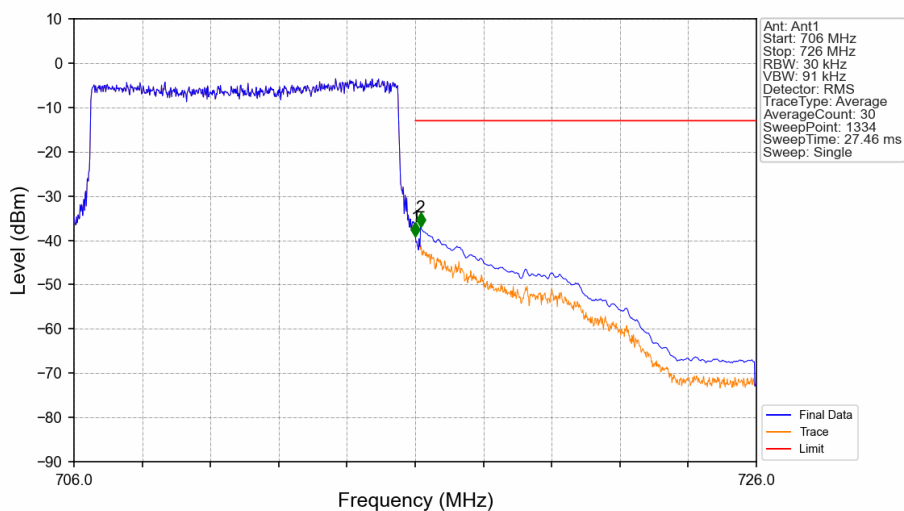


Band17 10MHz QPSK HCH 711MHz RB 1 49 NTNV



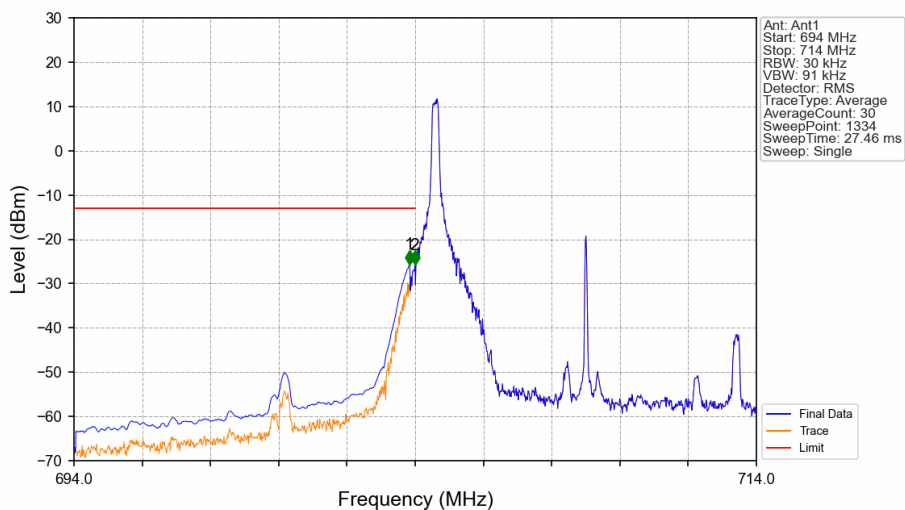
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-23.85	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.10	-13	Pass

Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



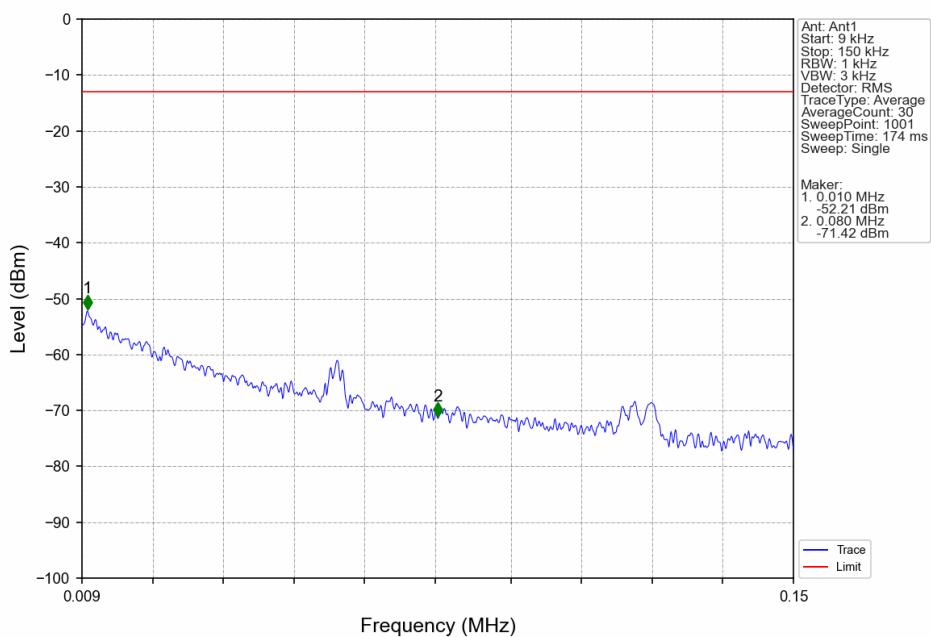
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-39.13	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.95	-13	Pass

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

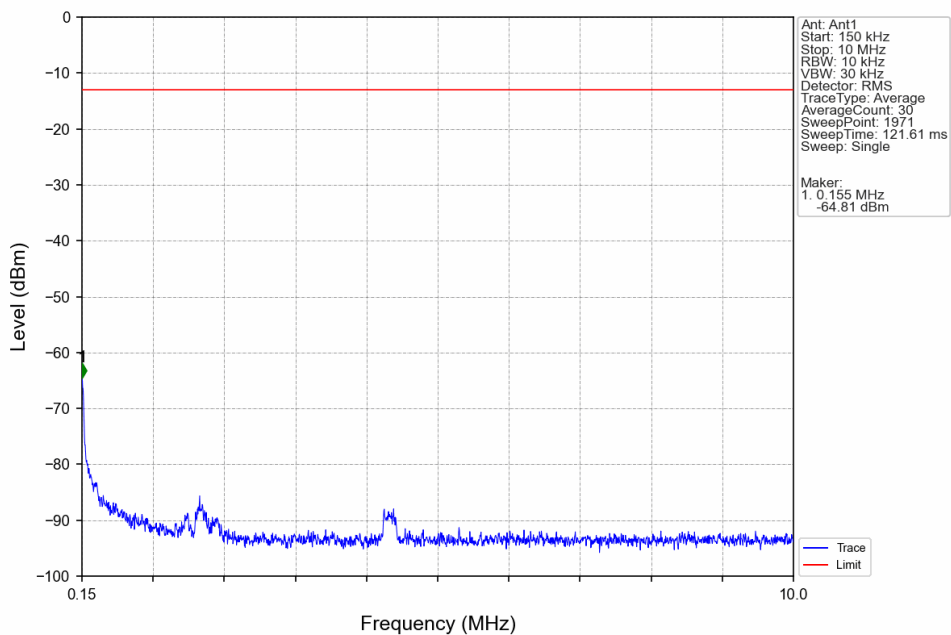


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.827	-25.59	-13	Pass
703.9	704	0.03	/	2	703.992	-25.74	-13	Pass
704	714	0.03	/	/	/	/	/	/

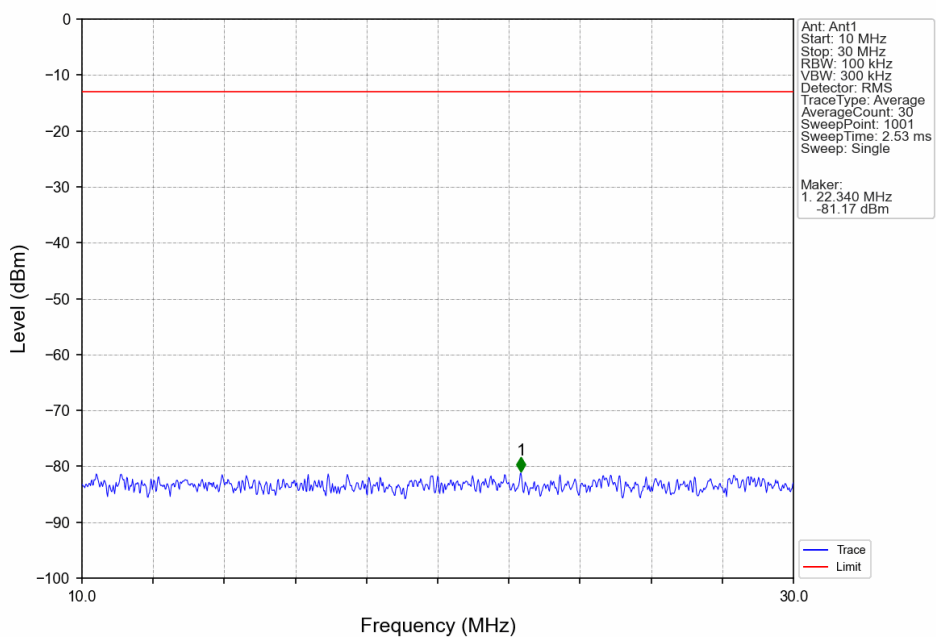
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



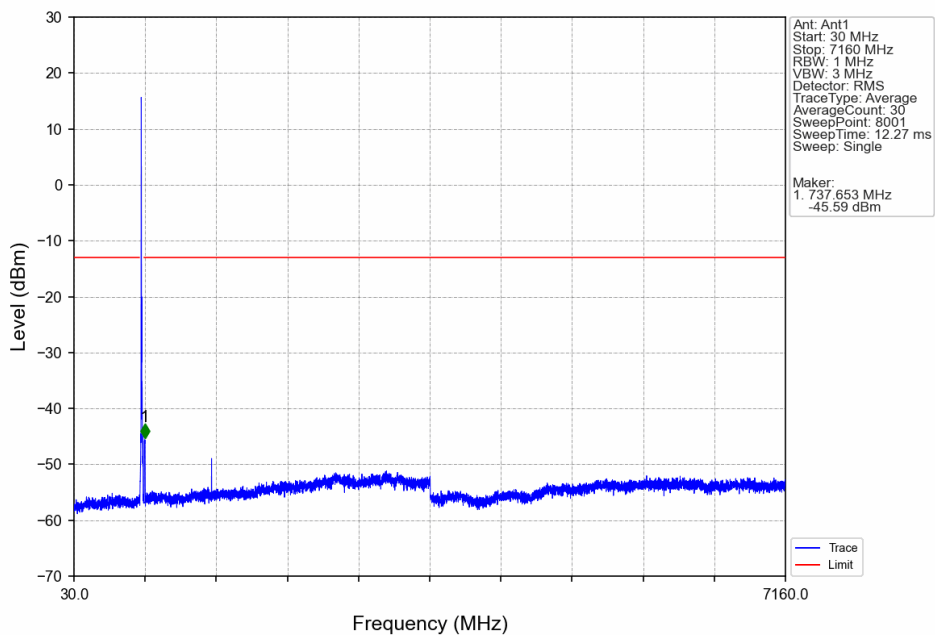
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTN



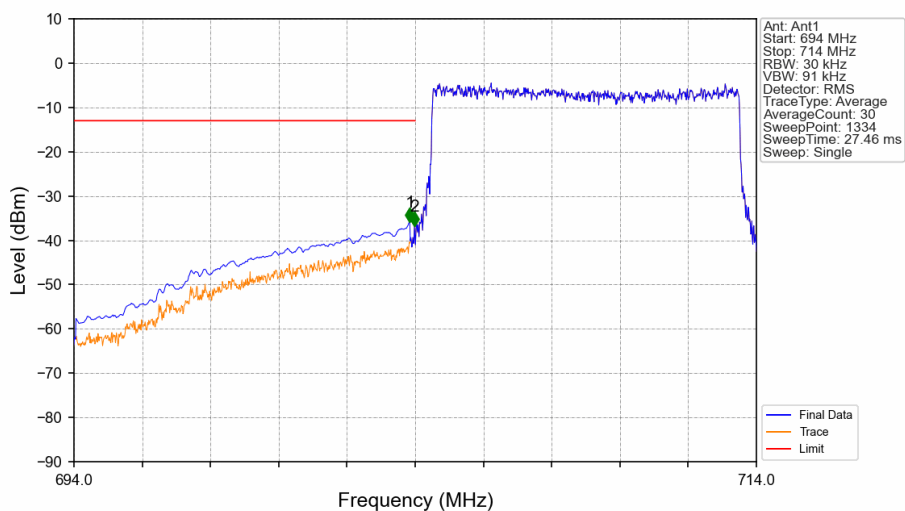
Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTN



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

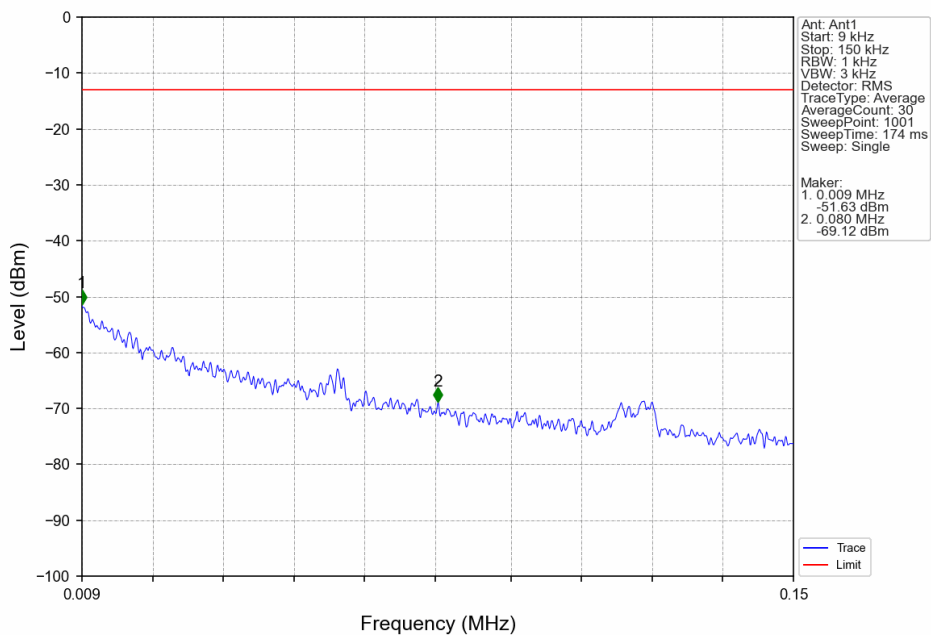


Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV

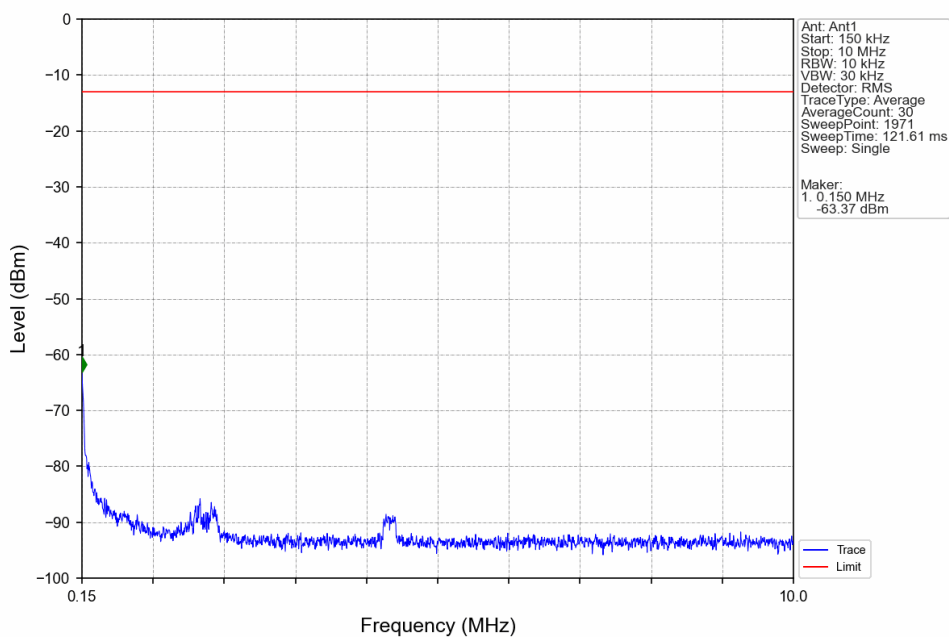


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.91	-13	Pass
703.9	704	0.03	/	2	703.977	-36.82	-13	Pass
704	714	0.03	/	/	/	/	/	/

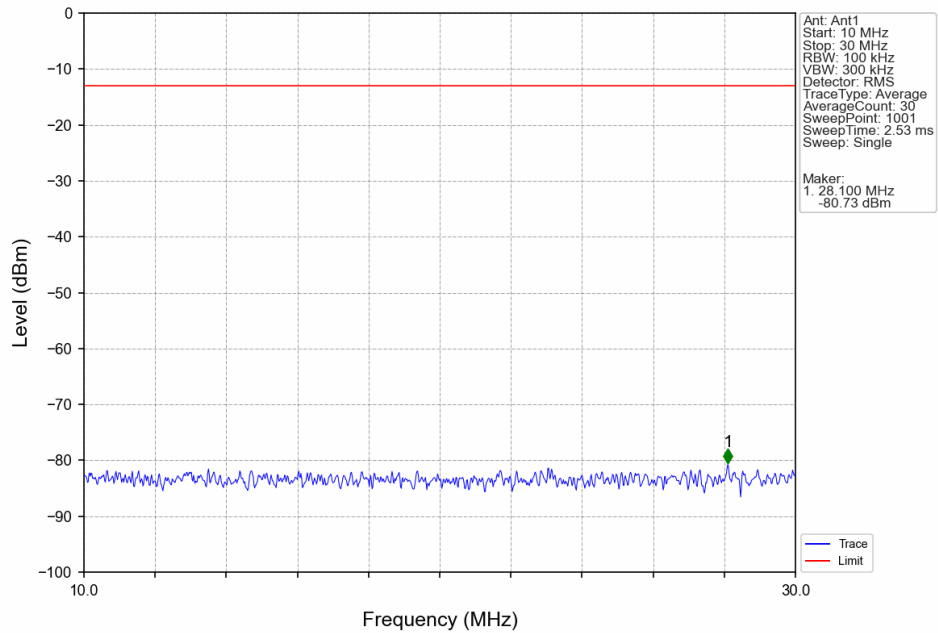
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



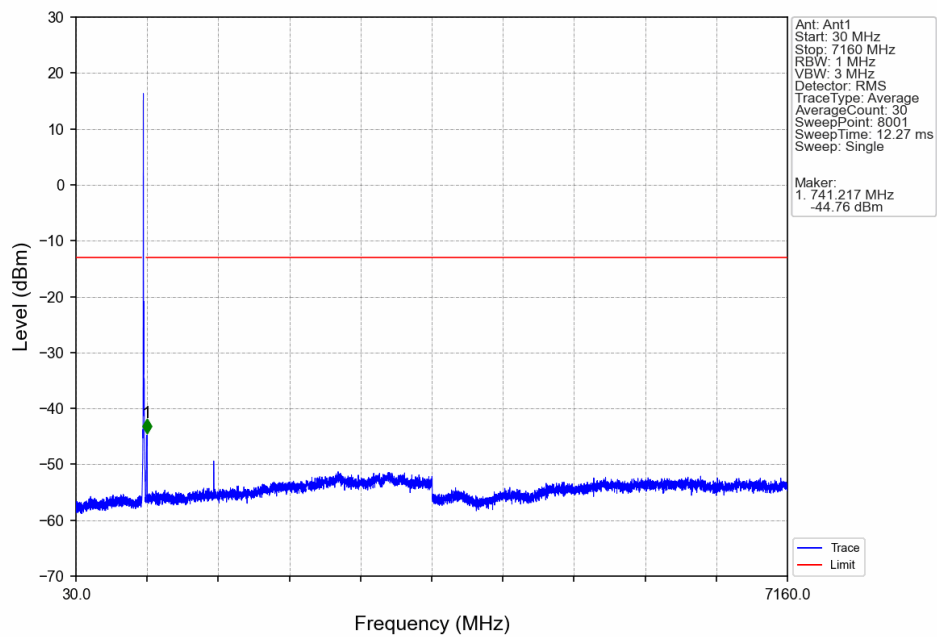
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



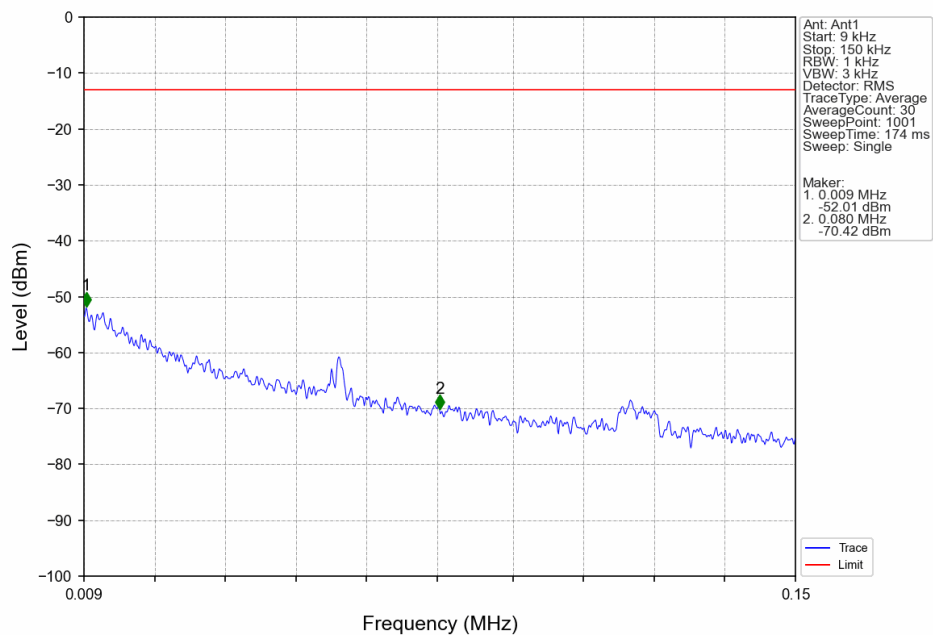
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



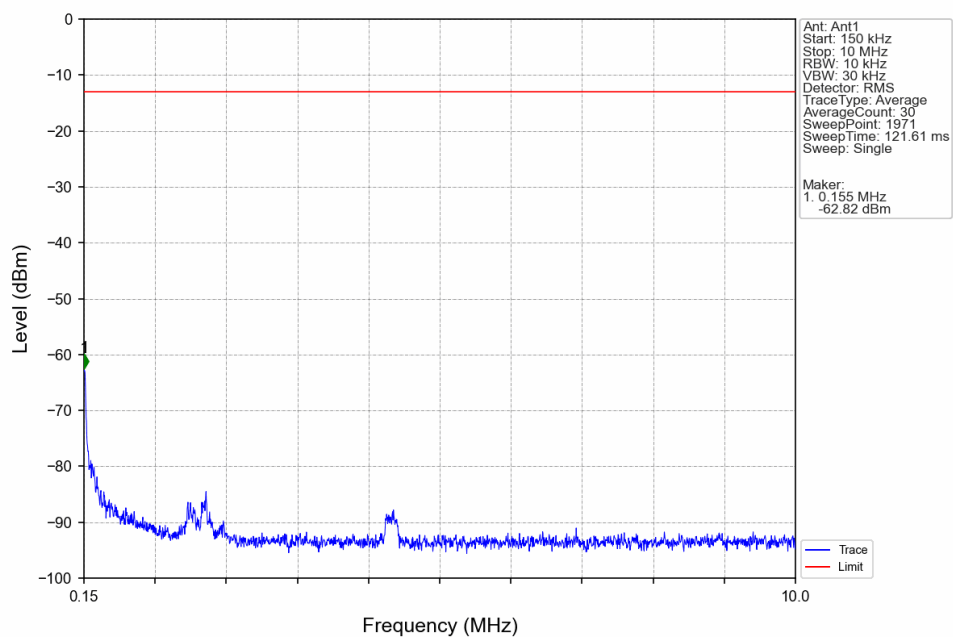
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



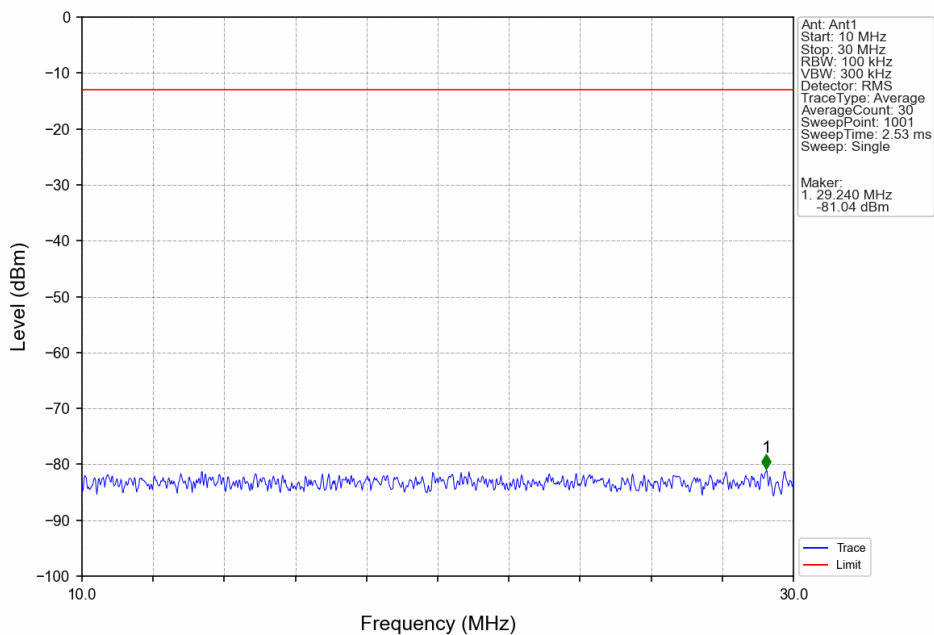
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTN



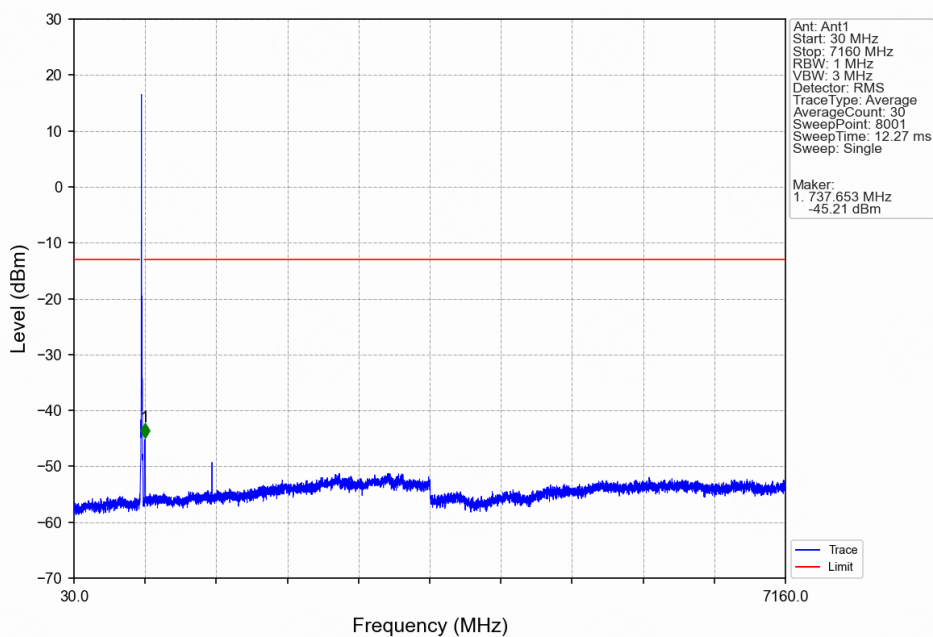
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTN



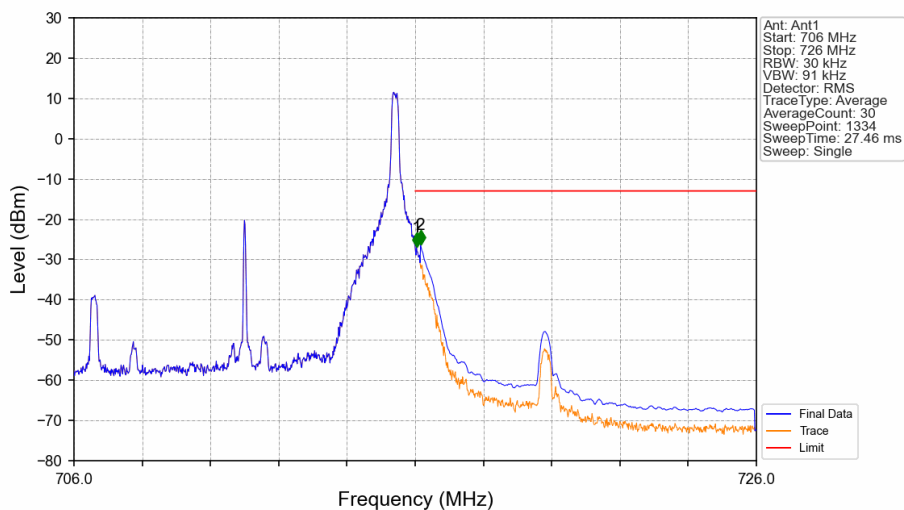
Band17 10MHz 16QAM HCH 711MHz RB 1 0 NTN



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

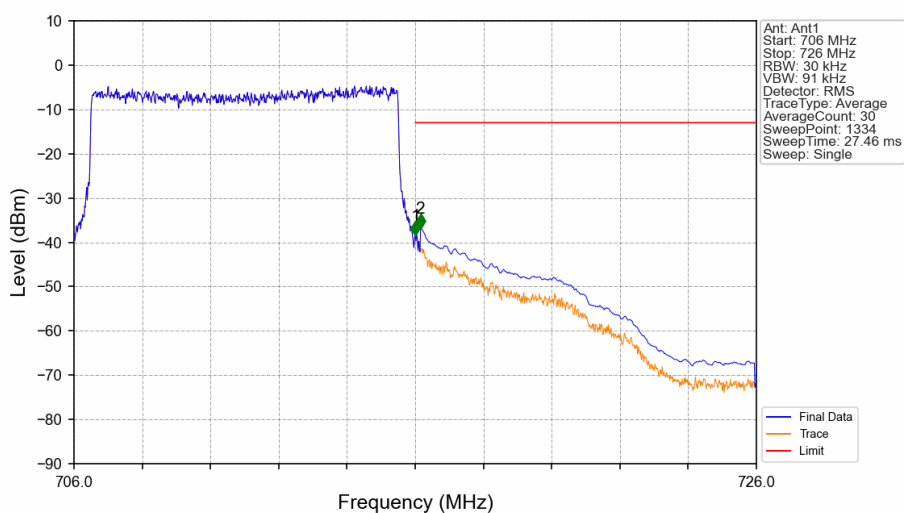


Band17 10MHz 16QAM HCH 711MHz RB 1 49 NTNV



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	-26.87	-13	Pass
716.1	726	0.1	CHP	2	716.158	-26.23	-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	-38.32	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.80	-13	Pass