

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	23.07	-1.80	19.12	<=34.77	Pass
			13	23.12	-1.80	19.17	<=34.77	Pass
			24	23.85	-1.80	19.90	<=34.77	Pass
		12	0	22.03	-1.80	18.08	<=34.77	Pass
			6	22.07	-1.80	18.12	<=34.77	Pass
			13	22.15	-1.80	18.20	<=34.77	Pass
		25	0	22.20	-1.80	18.25	<=34.77	Pass
	710	1	0	23.71	-1.80	19.76	<=34.77	Pass
			13	23.73	-1.80	19.78	<=34.77	Pass
			24	23.40	-1.80	19.45	<=34.77	Pass
		12	0	22.09	-1.80	18.14	<=34.77	Pass
			6	22.01	-1.80	18.06	<=34.77	Pass
			13	22.09	-1.80	18.14	<=34.77	Pass
		25	0	22.25	-1.80	18.30	<=34.77	Pass
	713.5	1	0	23.54	-1.80	19.59	<=34.77	Pass
			13	23.26	-1.80	19.31	<=34.77	Pass
			24	23.30	-1.80	19.35	<=34.77	Pass
		12	0	22.13	-1.80	18.18	<=34.77	Pass
			6	22.38	-1.80	18.43	<=34.77	Pass
			13	22.02	-1.80	18.07	<=34.77	Pass
		25	0	22.22	-1.80	18.27	<=34.77	Pass
16QAM	706.5	1	0	22.36	-1.80	18.41	<=34.77	Pass
			13	22.23	-1.80	18.28	<=34.77	Pass
			24	22.38	-1.80	18.43	<=34.77	Pass
		12	0	21.44	-1.80	17.49	<=34.77	Pass
			6	21.49	-1.80	17.54	<=34.77	Pass
			13	21.17	-1.80	17.22	<=34.77	Pass
		25	0	21.33	-1.80	17.38	<=34.77	Pass
	710	1	0	22.02	-1.80	18.07	<=34.77	Pass
			13	22.39	-1.80	18.44	<=34.77	Pass
			24	22.16	-1.80	18.21	<=34.77	Pass
		12	0	21.20	-1.80	17.25	<=34.77	Pass
			6	21.19	-1.80	17.24	<=34.77	Pass
			13	21.32	-1.80	17.37	<=34.77	Pass
		25	0	21.23	-1.80	17.28	<=34.77	Pass
	713.5	1	0	22.07	-1.80	18.12	<=34.77	Pass
			13	22.01	-1.80	18.06	<=34.77	Pass
			24	22.27	-1.80	18.32	<=34.77	Pass
		12	0	21.28	-1.80	17.33	<=34.77	Pass
			6	21.24	-1.80	17.29	<=34.77	Pass
			13	21.18	-1.80	17.23	<=34.77	Pass
		25	0	21.23	-1.80	17.28	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B17_10MHz_ERP

Band: 17 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	23.86	-1.80	19.91	<=34.77	Pass
			25	23.12	-1.80	19.17	<=34.77	Pass
			49	23.43	-1.80	19.48	<=34.77	Pass
		25	0	22.28	-1.80	18.33	<=34.77	Pass
			13	22.45	-1.80	18.50	<=34.77	Pass
			25	22.41	-1.80	18.46	<=34.77	Pass
		50	0	22.23	-1.80	18.28	<=34.77	Pass
	710	1	0	23.08	-1.80	19.13	<=34.77	Pass
			25	23.02	-1.80	19.07	<=34.77	Pass
			49	23.25	-1.80	19.30	<=34.77	Pass
		25	0	22.25	-1.80	18.30	<=34.77	Pass
			13	22.34	-1.80	18.39	<=34.77	Pass
			25	22.22	-1.80	18.27	<=34.77	Pass
		50	0	22.02	-1.80	18.07	<=34.77	Pass
	711	1	0	23.15	-1.80	19.20	<=34.77	Pass
			25	23.63	-1.80	19.68	<=34.77	Pass
			49	23.20	-1.80	19.25	<=34.77	Pass
		25	0	22.21	-1.80	18.26	<=34.77	Pass
			13	22.14	-1.80	18.19	<=34.77	Pass
			25	22.04	-1.80	18.09	<=34.77	Pass
		50	0	22.25	-1.80	18.30	<=34.77	Pass
16QAM	709	1	0	22.25	-1.80	18.30	<=34.77	Pass
			25	22.32	-1.80	18.37	<=34.77	Pass
			49	22.09	-1.80	18.14	<=34.77	Pass
		25	0	21.40	-1.80	17.45	<=34.77	Pass
			13	21.19	-1.80	17.24	<=34.77	Pass
			25	21.32	-1.80	17.37	<=34.77	Pass
		50	0	21.39	-1.80	17.44	<=34.77	Pass
	710	1	0	22.07	-1.80	18.12	<=34.77	Pass
			25	22.27	-1.80	18.32	<=34.77	Pass
			49	22.05	-1.80	18.10	<=34.77	Pass
		25	0	21.35	-1.80	17.40	<=34.77	Pass
			13	21.47	-1.80	17.52	<=34.77	Pass
			25	21.21	-1.80	17.26	<=34.77	Pass
		50	0	21.42	-1.80	17.47	<=34.77	Pass
	711	1	0	22.07	-1.80	18.12	<=34.77	Pass
			25	22.11	-1.80	18.16	<=34.77	Pass
			49	22.33	-1.80	18.38	<=34.77	Pass
		25	0	21.41	-1.80	17.46	<=34.77	Pass
			13	21.22	-1.80	17.27	<=34.77	Pass
			25	21.15	-1.80	17.20	<=34.77	Pass
		50	0	21.23	-1.80	17.28	<=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	-0.472	-0.0007	-2.5 to 2.5	Pass
					3.85	0.930	0.0013	-2.5 to 2.5	Pass
					4.43	0.830	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.847	0.0040	-2.5 to 2.5	Pass
				-20	3.85	2.532	0.0036	-2.5 to 2.5	Pass
				-10	3.85	2.174	0.0031	-2.5 to 2.5	Pass
				0	3.85	3.233	0.0046	-2.5 to 2.5	Pass
				10	3.85	1.903	0.0027	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0009	-2.5 to 2.5	Pass
				50	3.85	1.674	0.0024	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-0.358	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
					4.43	0.715	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.931	0.0027	-2.5 to 2.5	Pass
				-20	3.85	3.290	0.0046	-2.5 to 2.5	Pass
				-10	3.85	1.187	0.0017	-2.5 to 2.5	Pass
				0	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				10	3.85	3.633	0.0051	-2.5 to 2.5	Pass
				30	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				40	3.85	1.287	0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.287	-0.0018	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.329	-0.0005	-2.5 to 2.5	Pass
					3.85	1.774	0.0025	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.903	0.0027	-2.5 to 2.5	Pass
				-20	3.85	1.659	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.960	0.0027	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				30	3.85	1.960	0.0027	-2.5 to 2.5	Pass
				40	3.85	1.116	0.0016	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	1.001	0.0014	-2.5 to 2.5	Pass
					3.85	1.402	0.0020	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.674	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				0	3.85	3.076	0.0044	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0029	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				50	3.85	1.745	0.0025	-2.5 to 2.5	Pass
	710	25	0	20	3.27	0.272	0.0004	-2.5 to 2.5	Pass
					3.85	1.888	0.0027	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0032	-2.5 to 2.5	Pass
				-20	3.85	3.519	0.0050	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.861	0.0040	-2.5 to 2.5	Pass
				10	3.85	0.916	0.0013	-2.5 to 2.5	Pass
				30	3.85	2.518	0.0035	-2.5 to 2.5	Pass
				40	3.85	1.717	0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.129	-0.0002	-2.5 to 2.5	Pass
					3.85	0.730	0.0010	-2.5 to 2.5	Pass

					4.43	0.157	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.074	0.0029	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0033	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-1.359	-0.0019	-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	-0.086	-0.0001	-2.5 to 2.5	Pass
					3.85	1.202	0.0017	-2.5 to 2.5	Pass
					4.43	0.343	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.330	0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				0	3.85	2.704	0.0038	-2.5 to 2.5	Pass
				10	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
	710	50	0	20	3.27	0.887	0.0012	-2.5 to 2.5	Pass
					3.85	2.546	0.0036	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.873	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.330	0.0019	-2.5 to 2.5	Pass
				0	3.85	3.347	0.0047	-2.5 to 2.5	Pass
				10	3.85	1.259	0.0018	-2.5 to 2.5	Pass
				30	3.85	1.874	0.0026	-2.5 to 2.5	Pass
				40	3.85	3.119	0.0044	-2.5 to 2.5	Pass
				50	3.85	1.187	0.0017	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	0.200	0.0003	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.574	0.0022	-2.5 to 2.5	Pass
				-20	3.85	2.317	0.0033	-2.5 to 2.5	Pass
				-10	3.85	1.602	0.0023	-2.5 to 2.5	Pass
				0	3.85	3.061	0.0043	-2.5 to 2.5	Pass
				10	3.85	1.431	0.0020	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.502	0.0021	-2.5 to 2.5	Pass
				50	3.85	1.330	0.0019	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	0.172	0.0002	-2.5 to 2.5	Pass
					3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.845	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.715	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0008	-2.5 to 2.5	Pass

				50	3.85	0.100	0.0001	-2.5 to 2.5	Pass
	710	50	0	20	3.27	0.329	0.0005	-2.5 to 2.5	Pass
					3.85	1.330	0.0019	-2.5 to 2.5	Pass
					4.43	1.287	0.0018	-2.5 to 2.5	Pass
					-30	3.85	1.631	0.0023	-2.5 to 2.5
				-20	3.85	2.046	0.0029	-2.5 to 2.5	Pass
				-10	3.85	2.875	0.0040	-2.5 to 2.5	Pass
				0	3.85	2.403	0.0034	-2.5 to 2.5	Pass
				10	3.85	2.704	0.0038	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				40	3.85	2.332	0.0033	-2.5 to 2.5	Pass
				50	3.85	1.431	0.0020	-2.5 to 2.5	Pass
				711	50	0	20	3.27	2.904
	3.85	1.574	0.0022					-2.5 to 2.5	Pass
	4.43	0.701	0.0010					-2.5 to 2.5	Pass
	-30	3.85	2.160					0.0030	-2.5 to 2.5
	-20	3.85	2.732				0.0038	-2.5 to 2.5	Pass
	-10	3.85	0.529				0.0007	-2.5 to 2.5	Pass
	0	3.85	-0.658				-0.0009	-2.5 to 2.5	Pass
	10	3.85	0.601				0.0008	-2.5 to 2.5	Pass
	30	3.85	0.129				0.0002	-2.5 to 2.5	Pass
	40	3.85	3.018				0.0042	-2.5 to 2.5	Pass
	50	3.85	1.359				0.0019	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

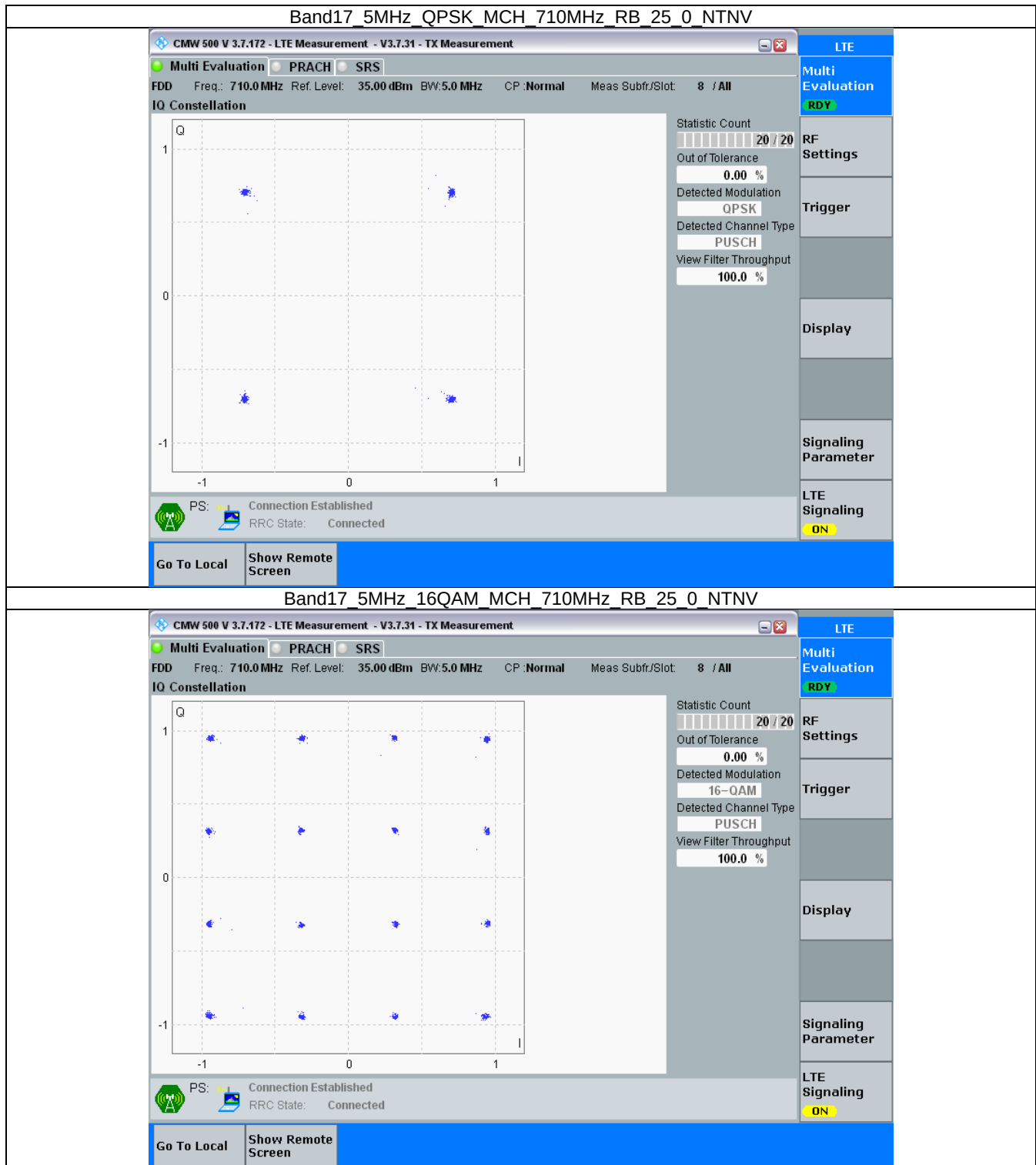
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

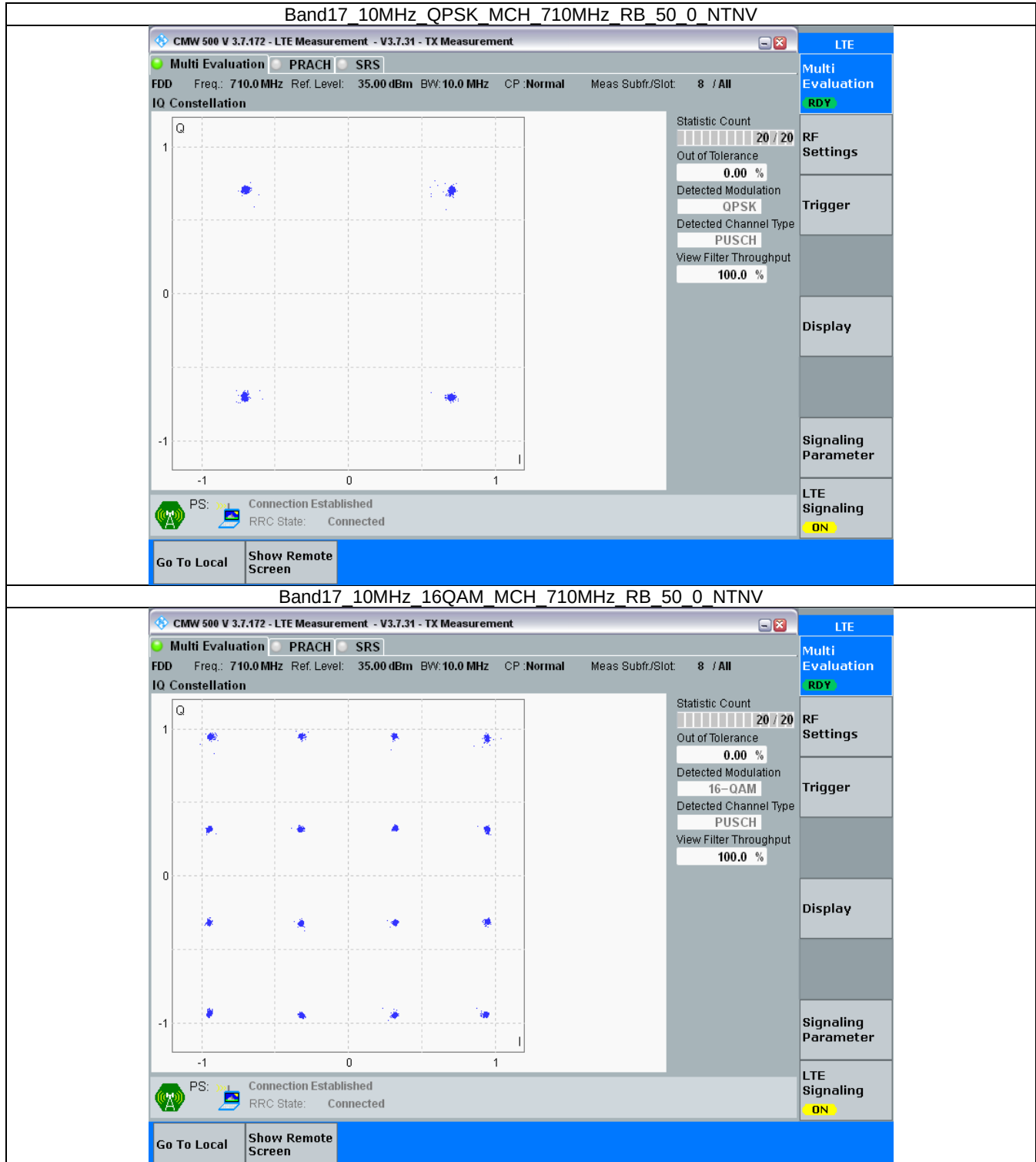
Band: 17 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

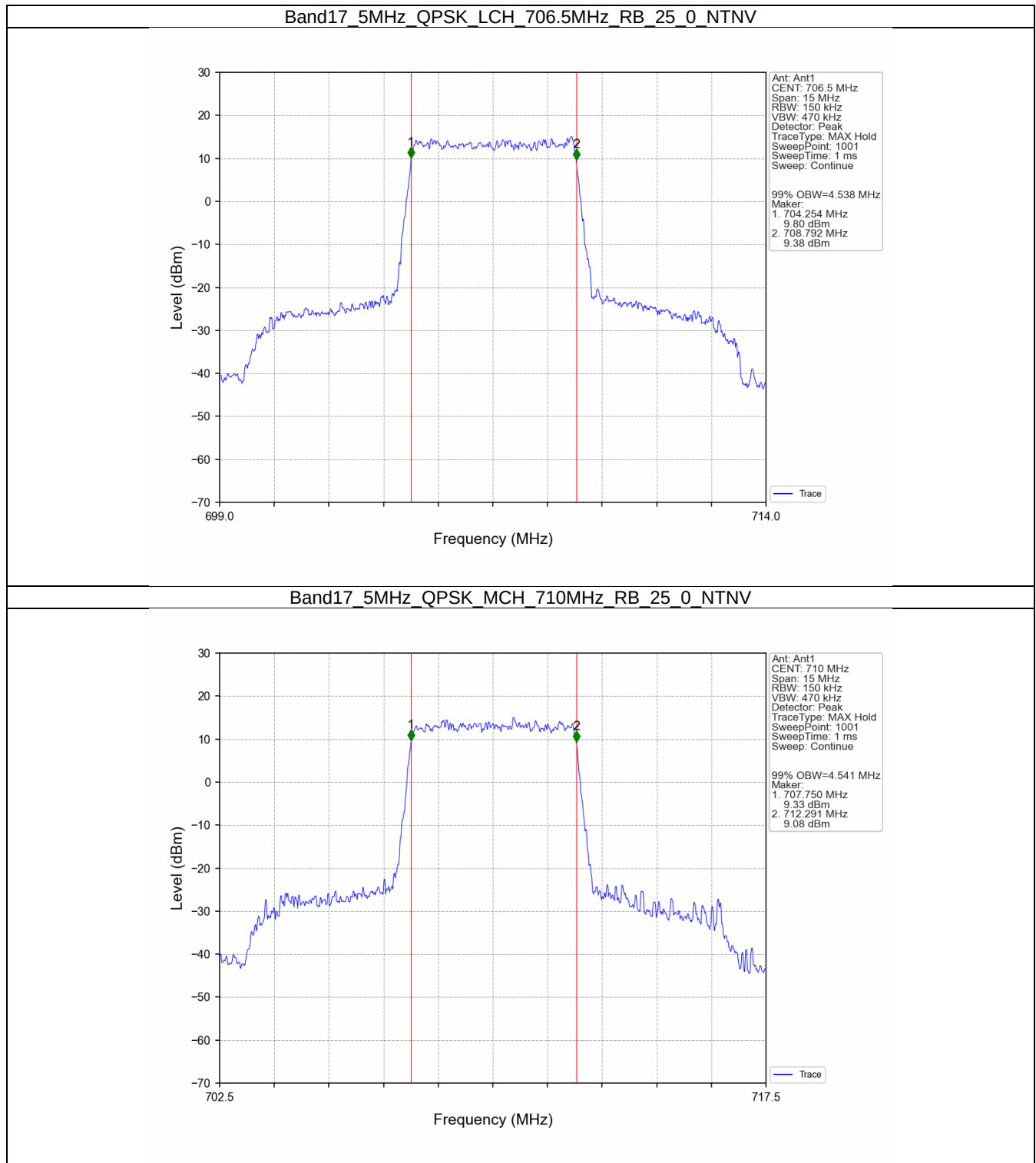
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.538	/	Pass
		710	25	0	4.541	/	Pass
		713.5	25	0	4.550	/	Pass
	16QAM	706.5	25	0	4.555	/	Pass
		710	25	0	4.546	/	Pass
		713.5	25	0	4.544	/	Pass
10	QPSK	709	50	0	9.056	/	Pass
		710	50	0	9.018	/	Pass
		711	50	0	8.989	/	Pass
	16QAM	709	50	0	9.041	/	Pass
		710	50	0	9.016	/	Pass
		711	50	0	9.013	/	Pass

4.1.2 Band17_XDB

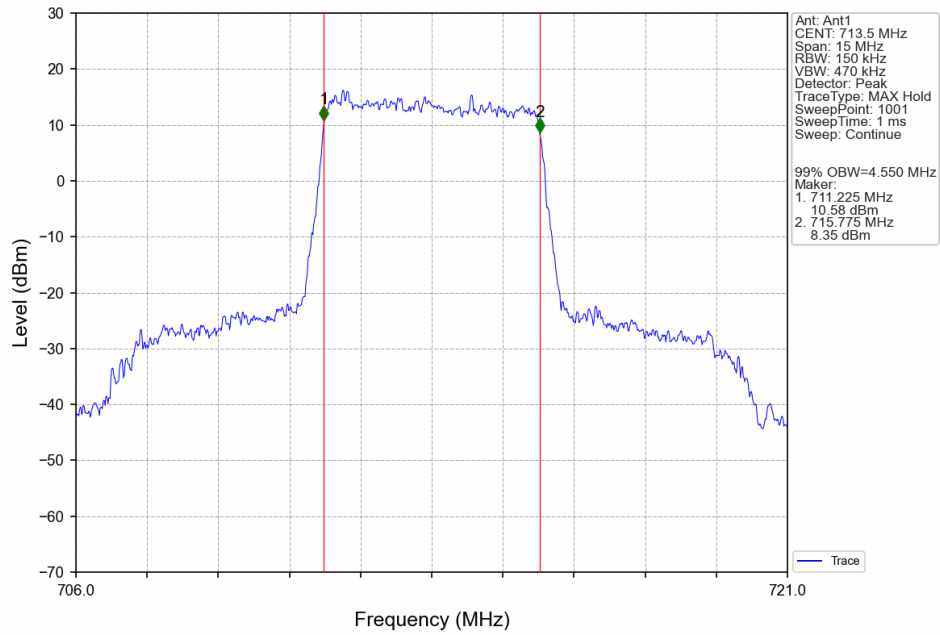
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.064	/	Pass
		710	25	0	5.037	/	Pass
		713.5	25	0	5.069	/	Pass
	16QAM	706.5	25	0	5.090	/	Pass
		710	25	0	5.074	/	Pass
		713.5	25	0	5.035	/	Pass
10	QPSK	709	50	0	10.023	/	Pass
		710	50	0	9.909	/	Pass
		711	50	0	9.884	/	Pass
	16QAM	709	50	0	9.909	/	Pass
		710	50	0	9.961	/	Pass
		711	50	0	9.841	/	Pass

4.2 Test Graph

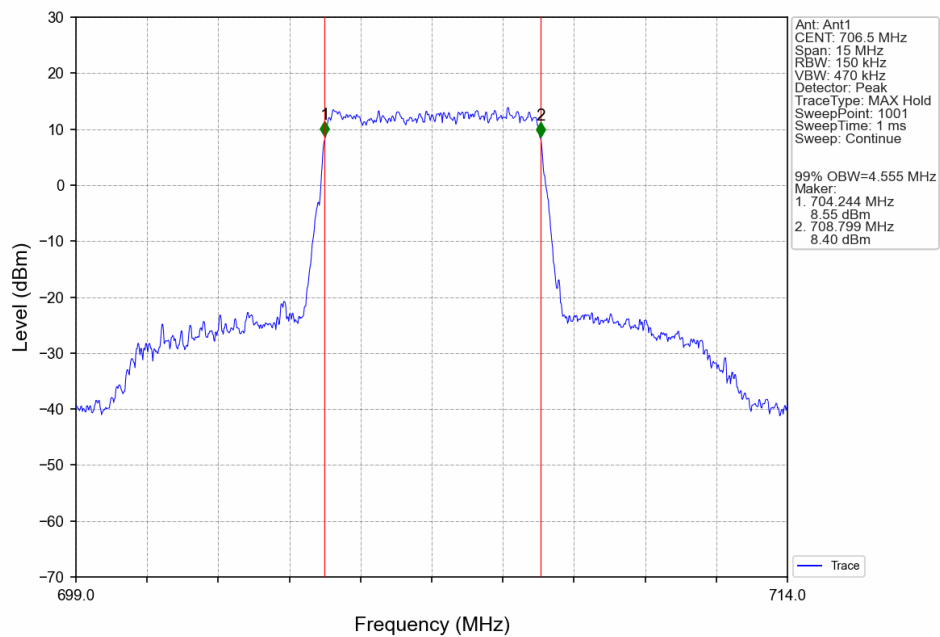
4.2.1 Band17_OBW



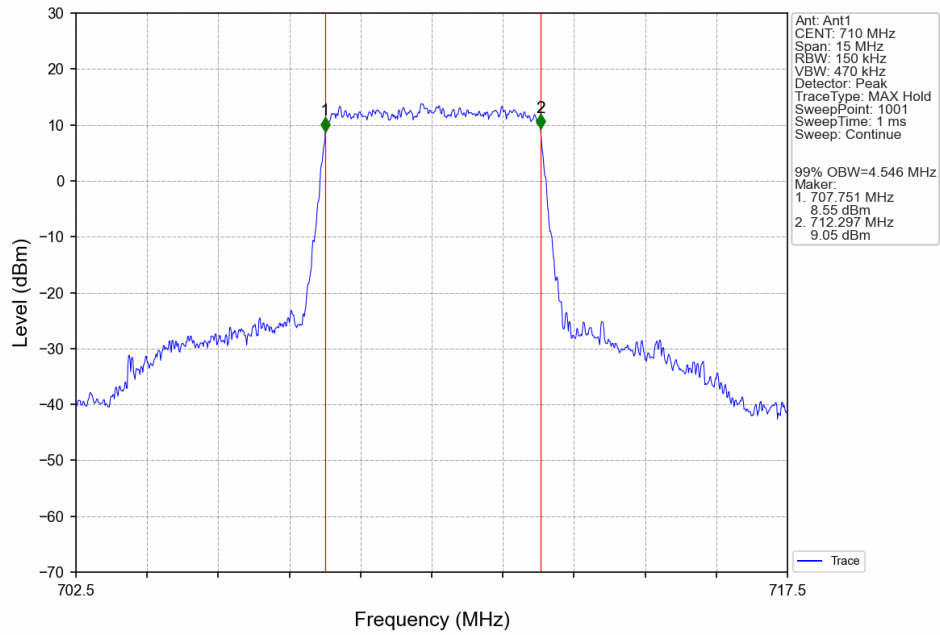
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



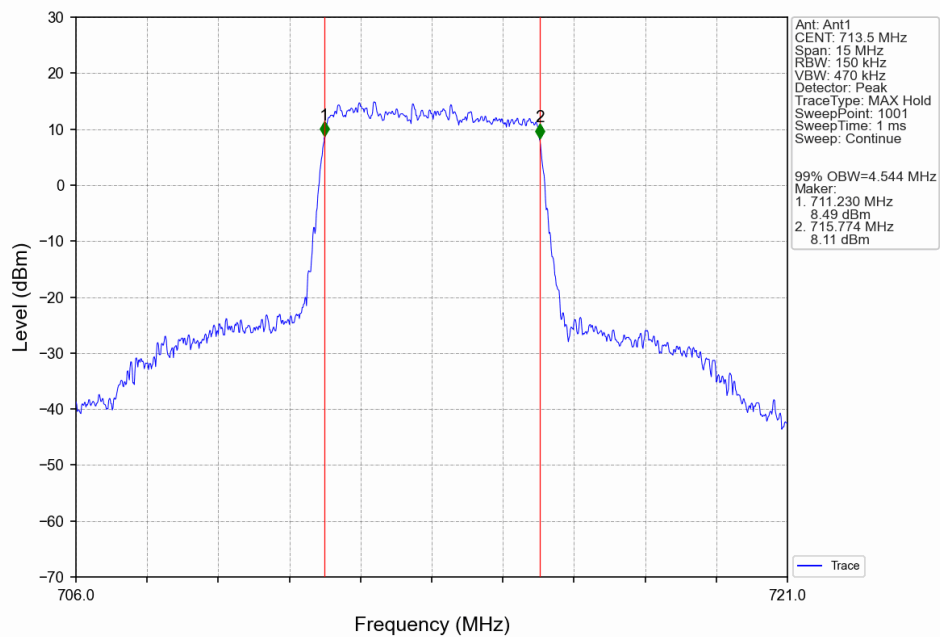
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



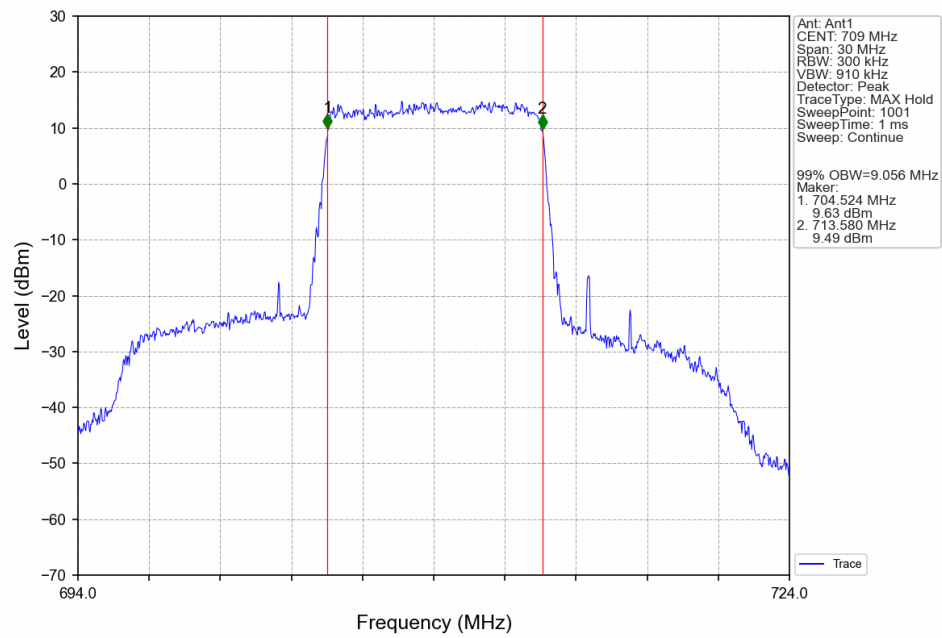
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTV



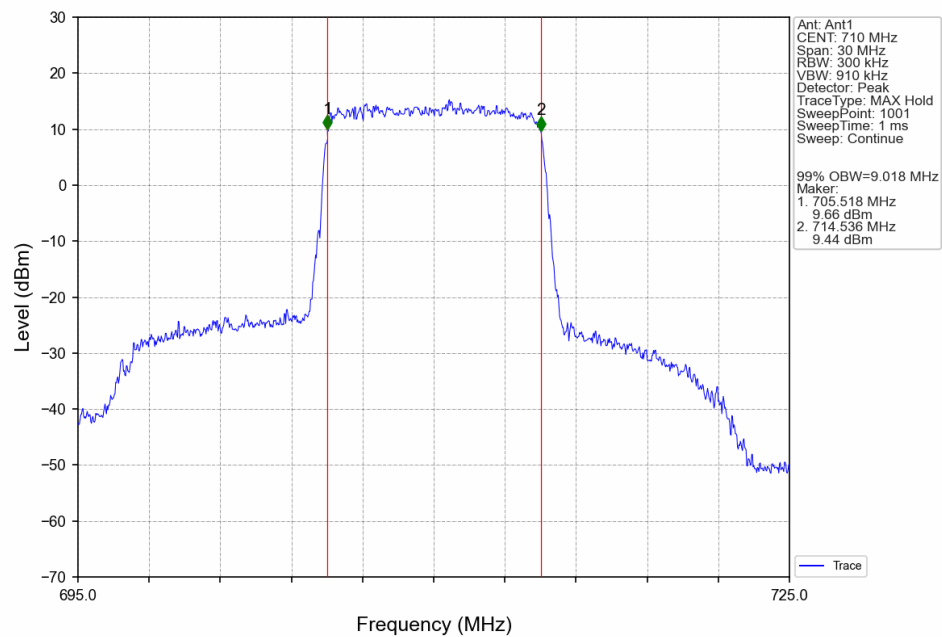
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV



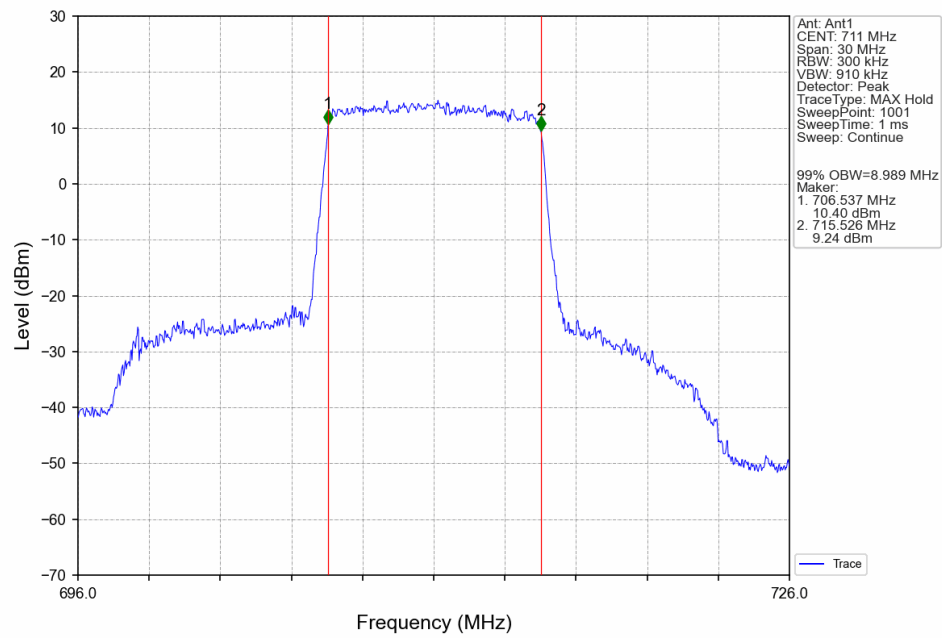
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



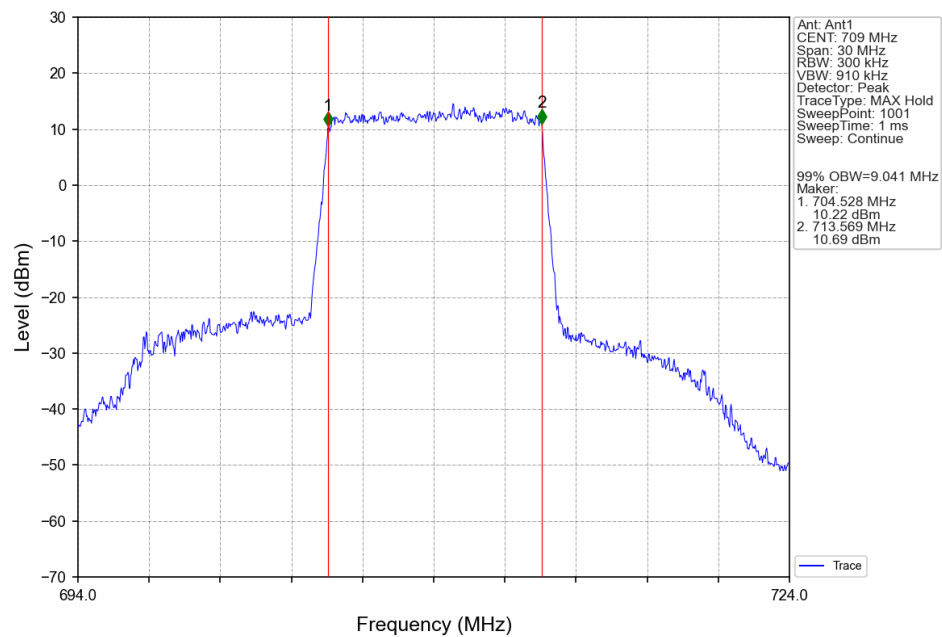
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



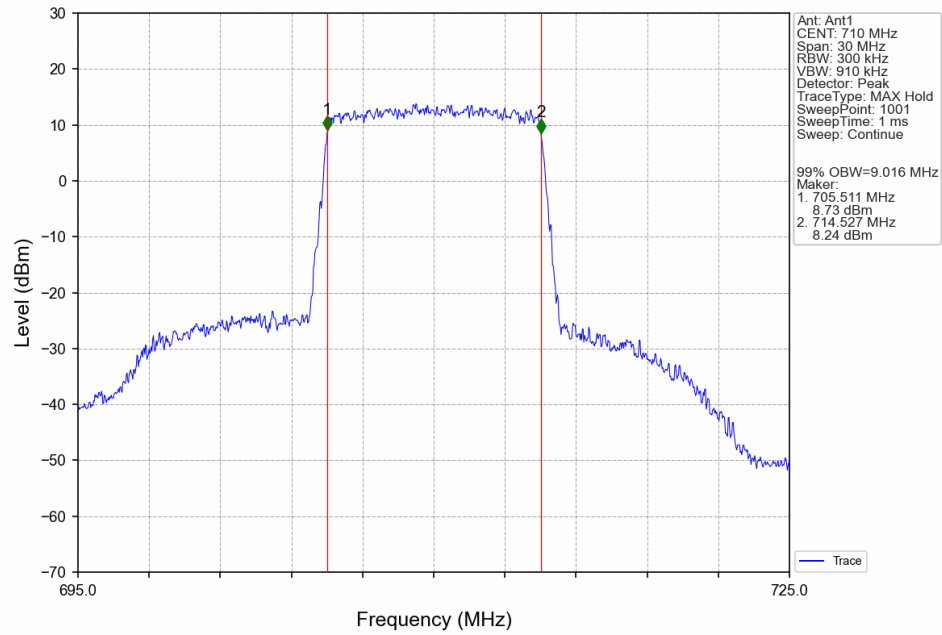
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



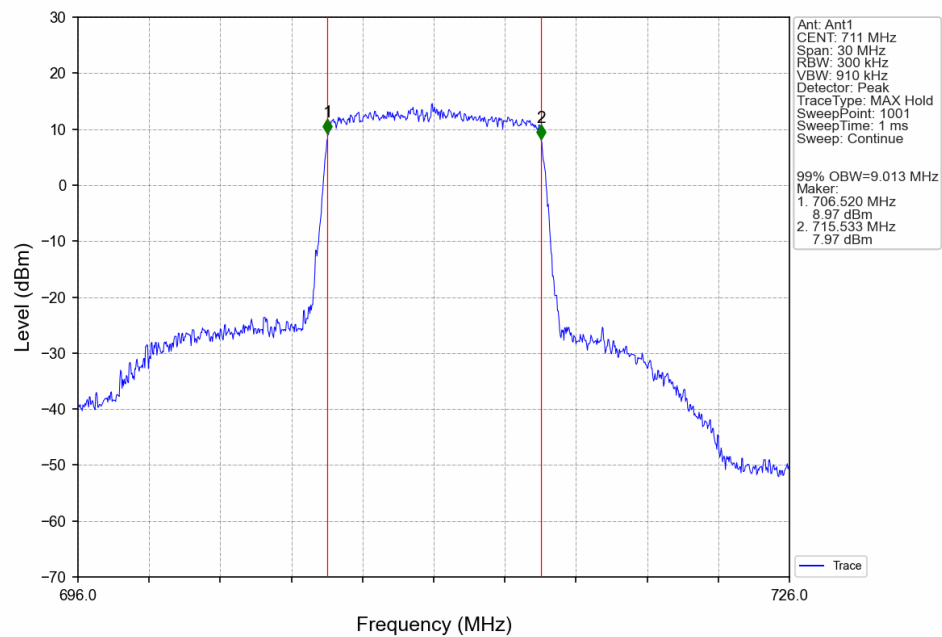
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

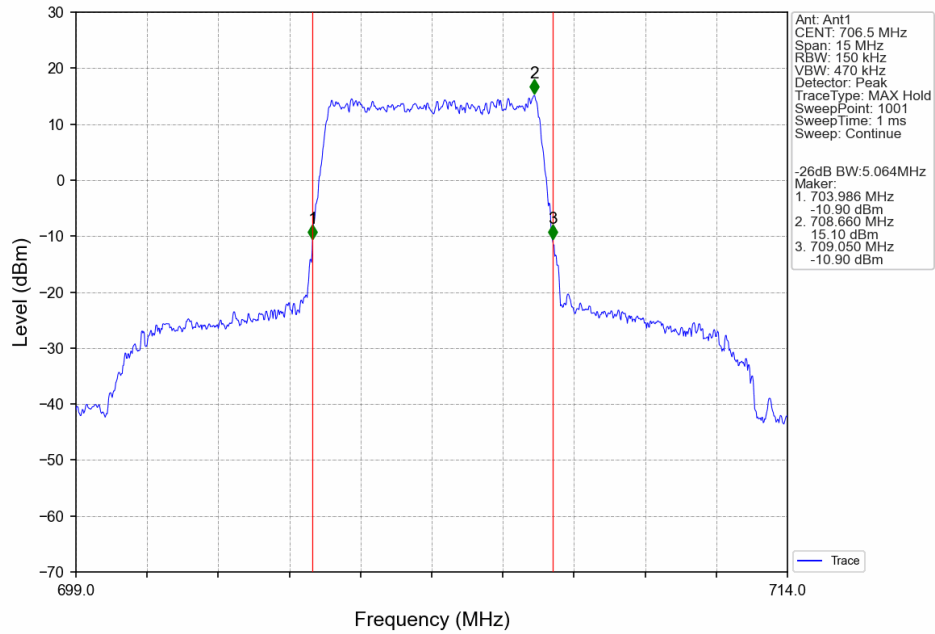


Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

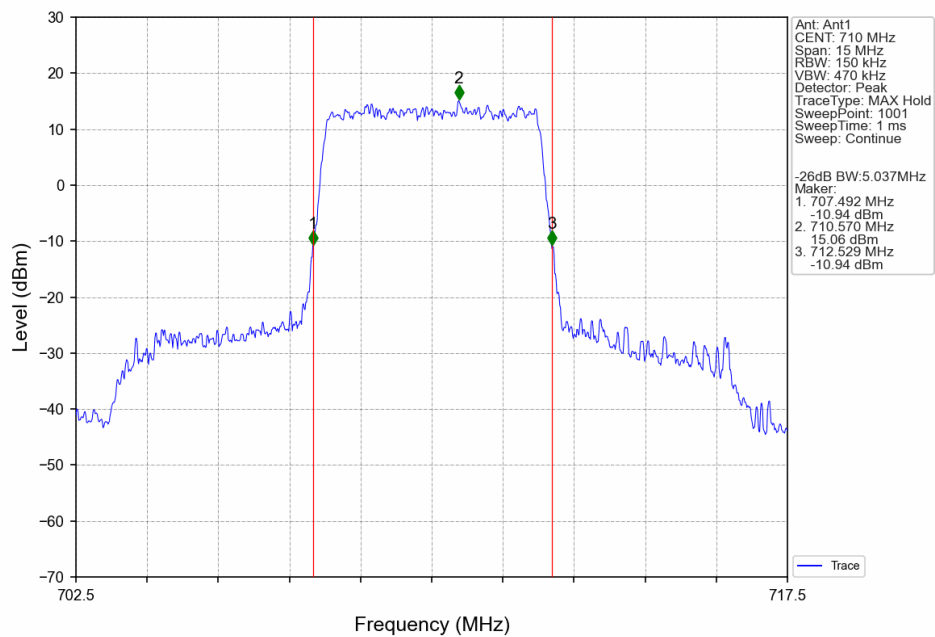


4.2.2 Band17_XDB

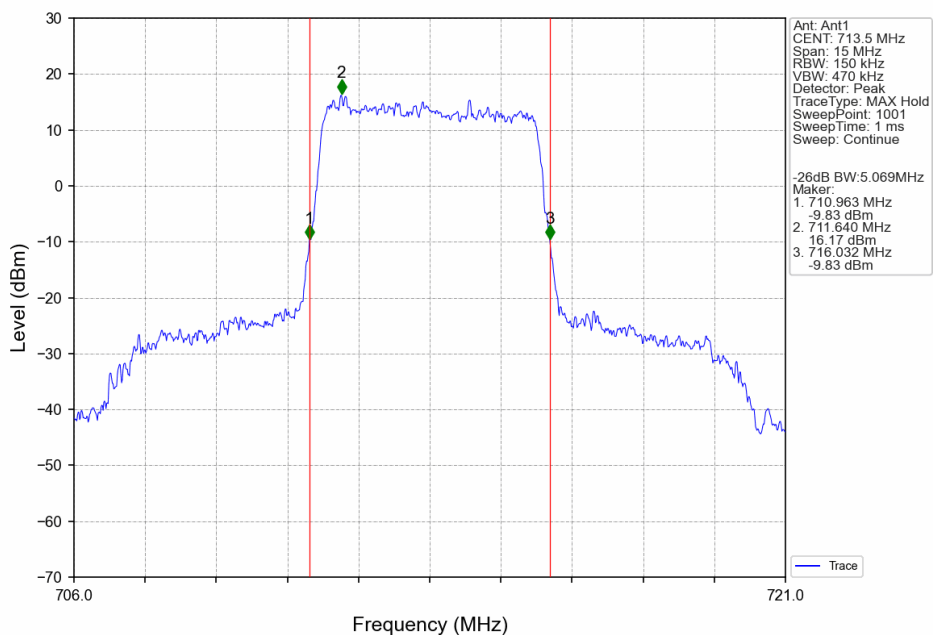
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



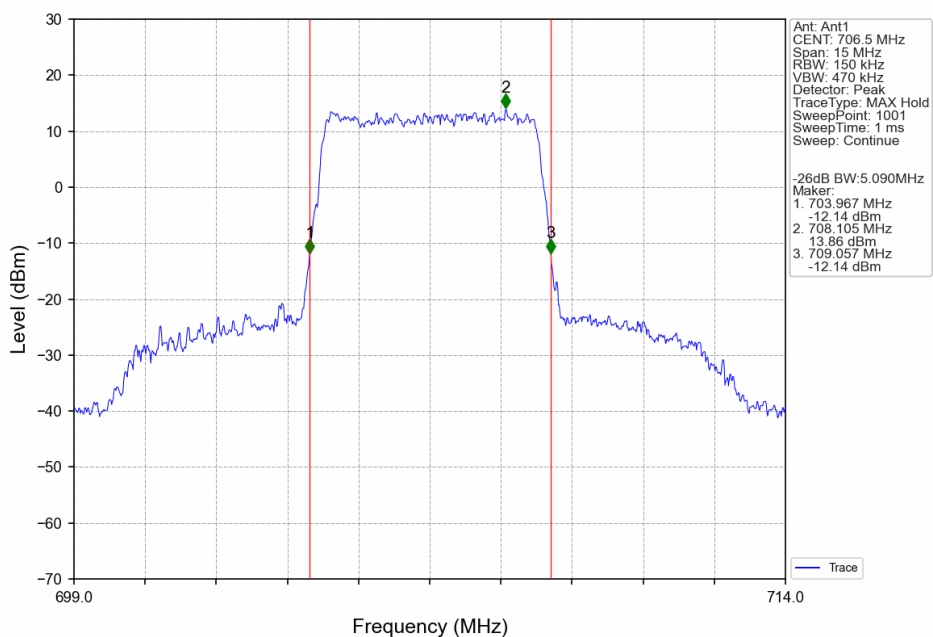
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



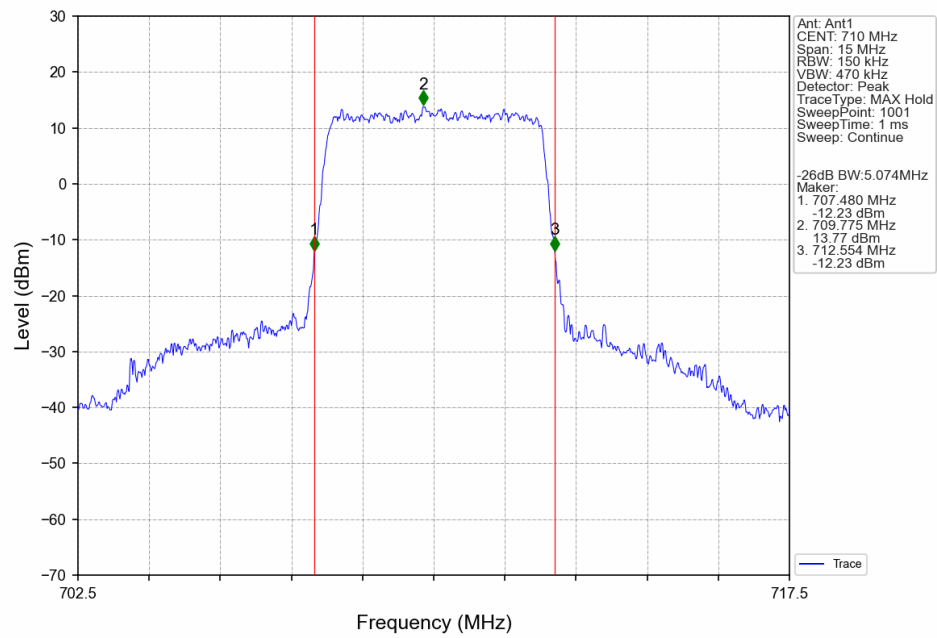
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



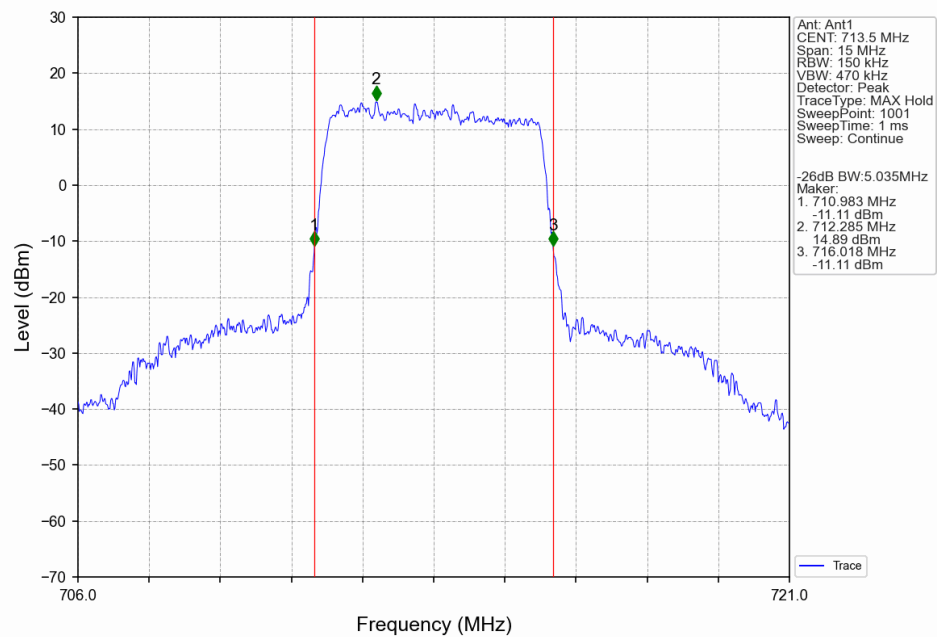
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



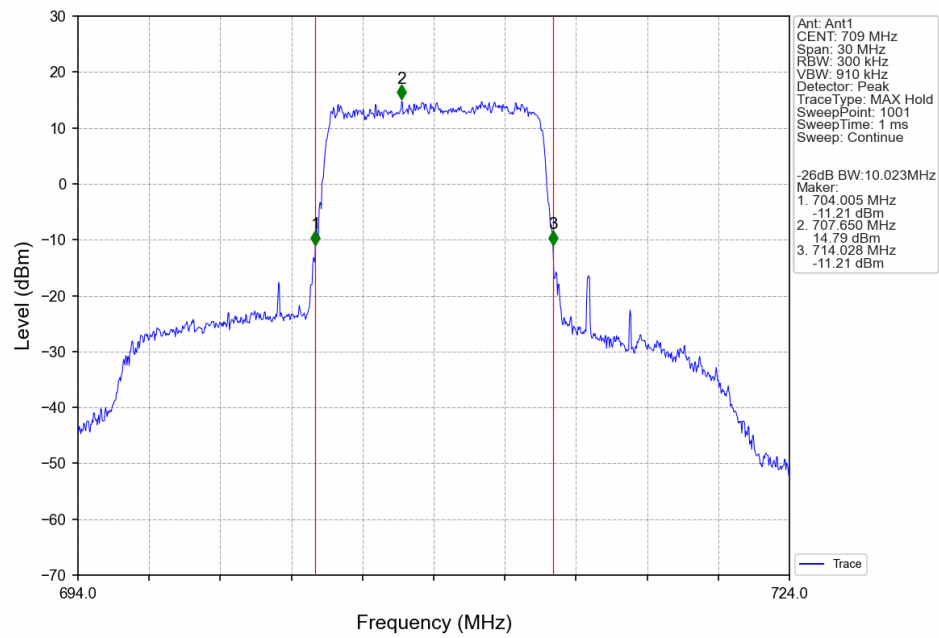
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



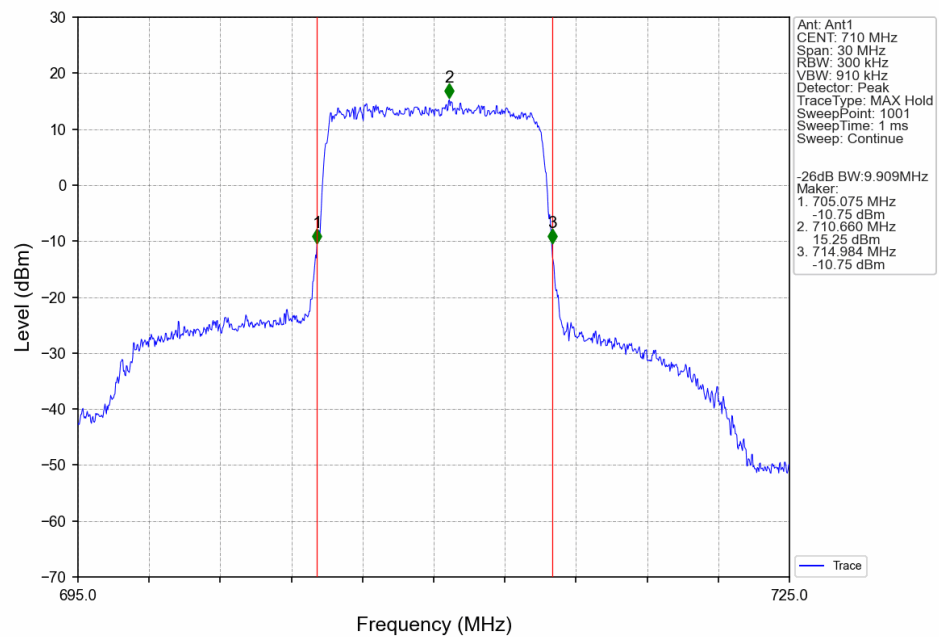
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



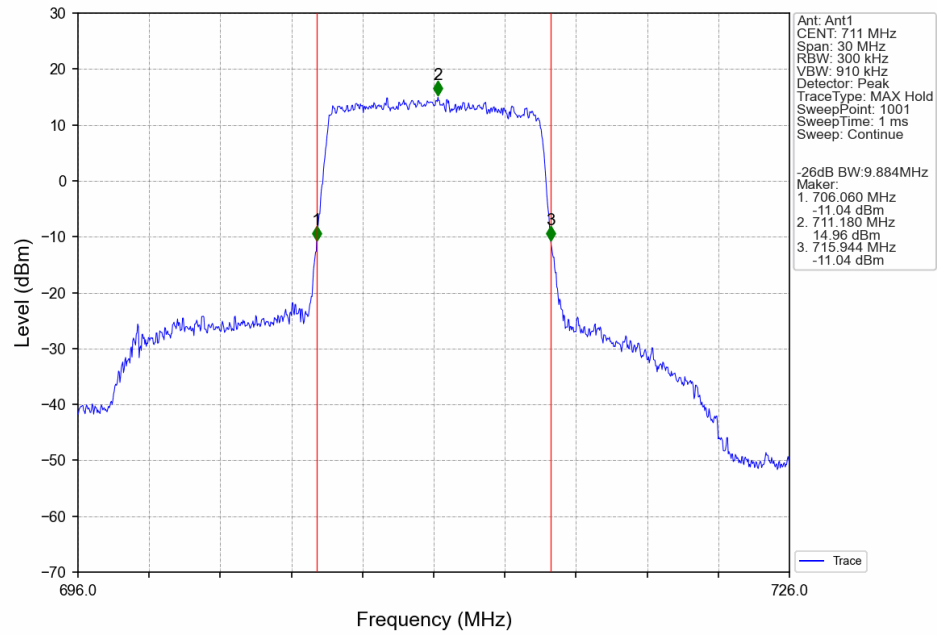
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



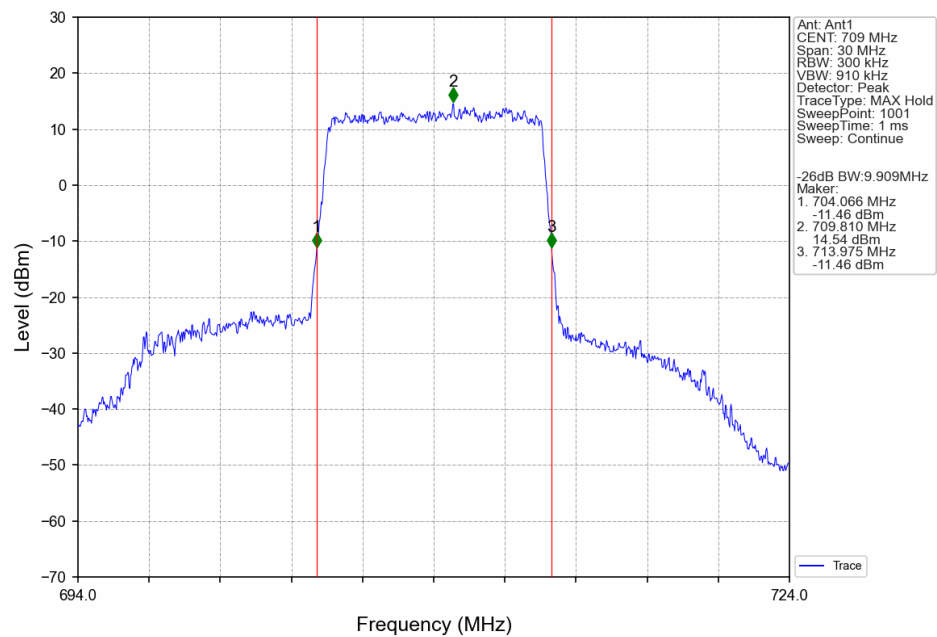
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



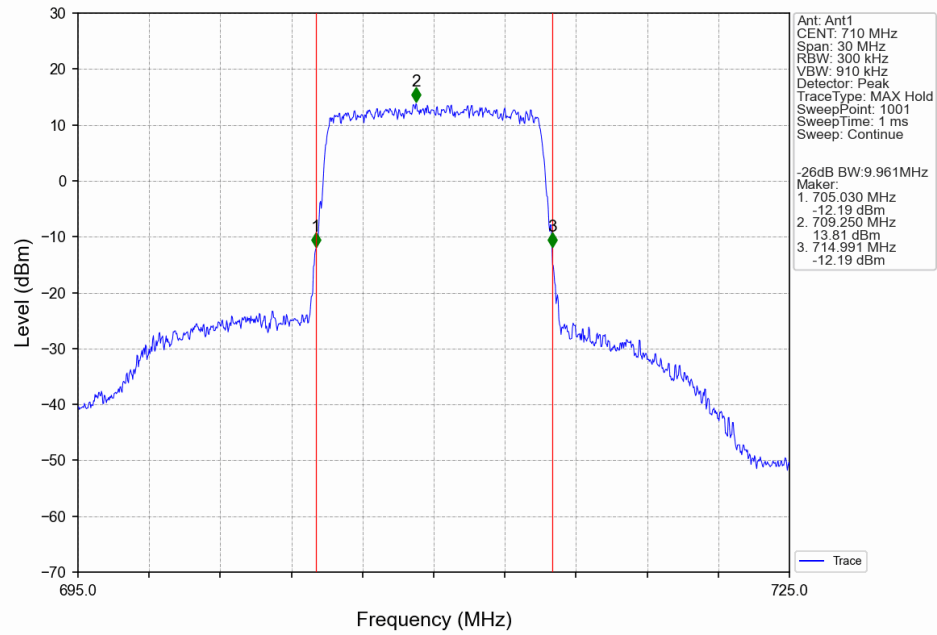
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



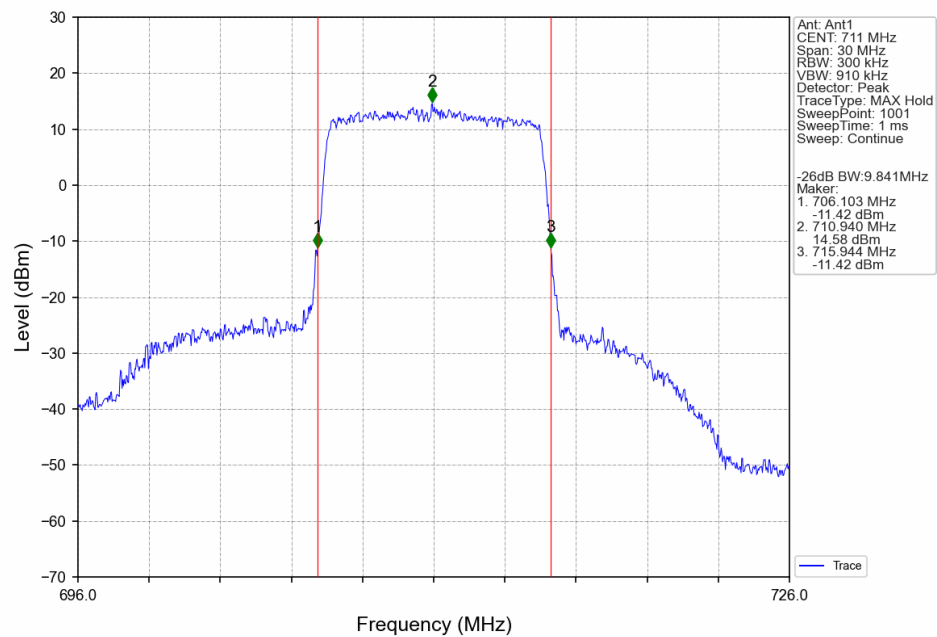
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B17_5MHz

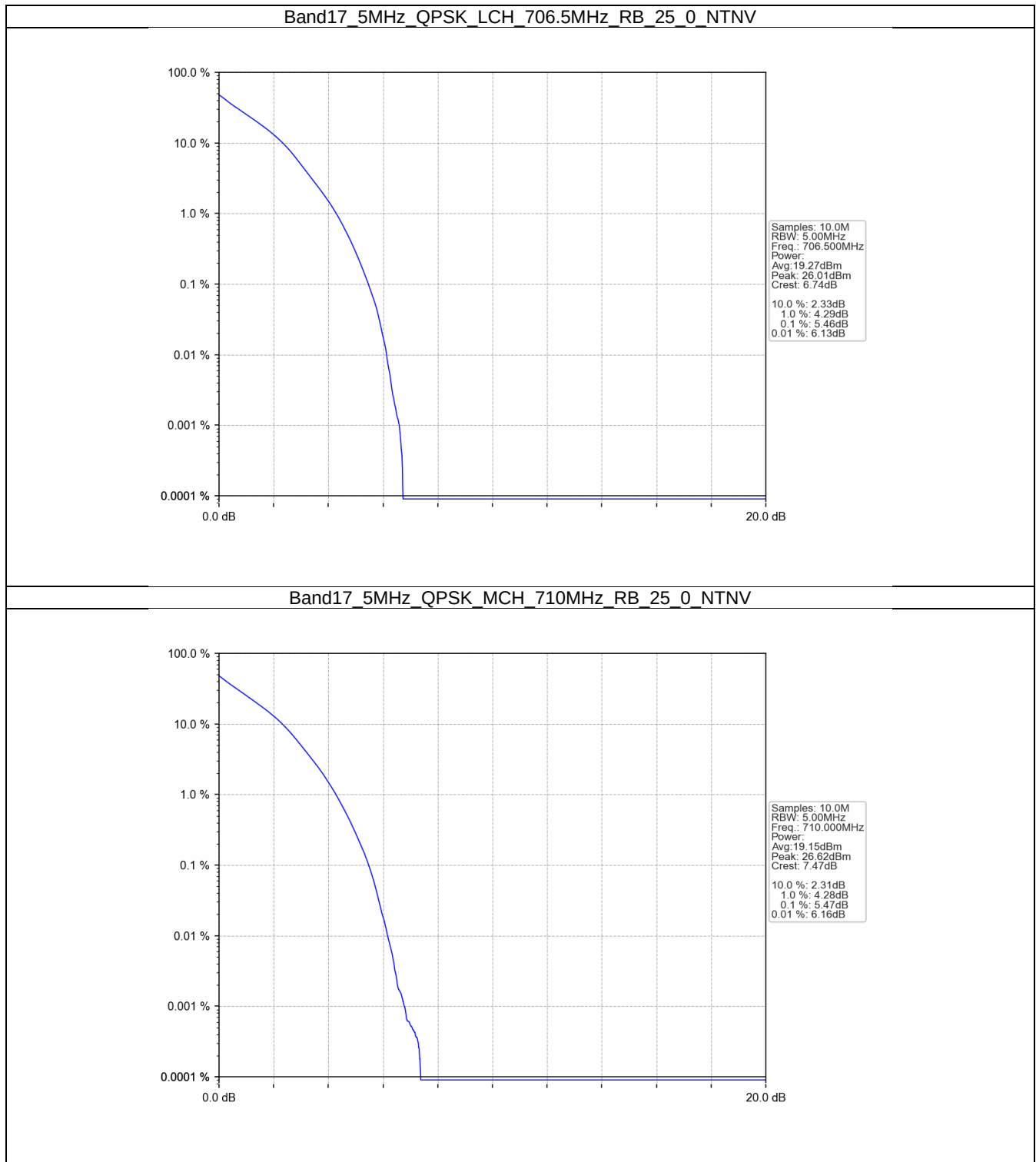
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.46	<=13	Pass
	710	25	0	5.47	<=13	Pass
	713.5	25	0	5.44	<=13	Pass
16QAM	706.5	25	0	6.12	<=13	Pass
	710	25	0	6.15	<=13	Pass
	713.5	25	0	6.07	<=13	Pass

5.1.2 B17_10MHz

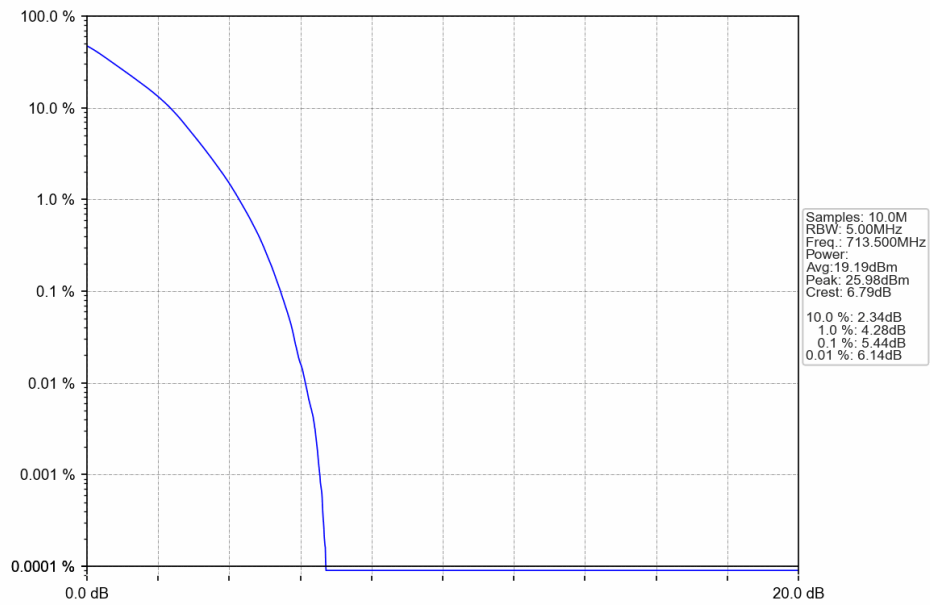
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.37	<=13	Pass
	710	50	0	5.26	<=13	Pass
	711	50	0	5.25	<=13	Pass
16QAM	709	50	0	6.09	<=13	Pass
	710	50	0	6.08	<=13	Pass
	711	50	0	6.06	<=13	Pass

5.2 Test Graph

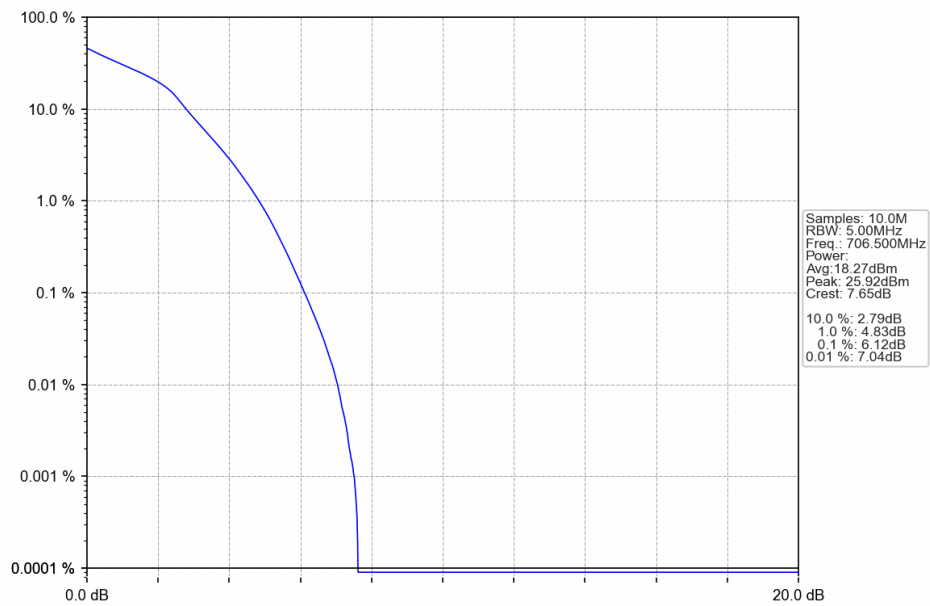
5.2.1 B17_5MHz



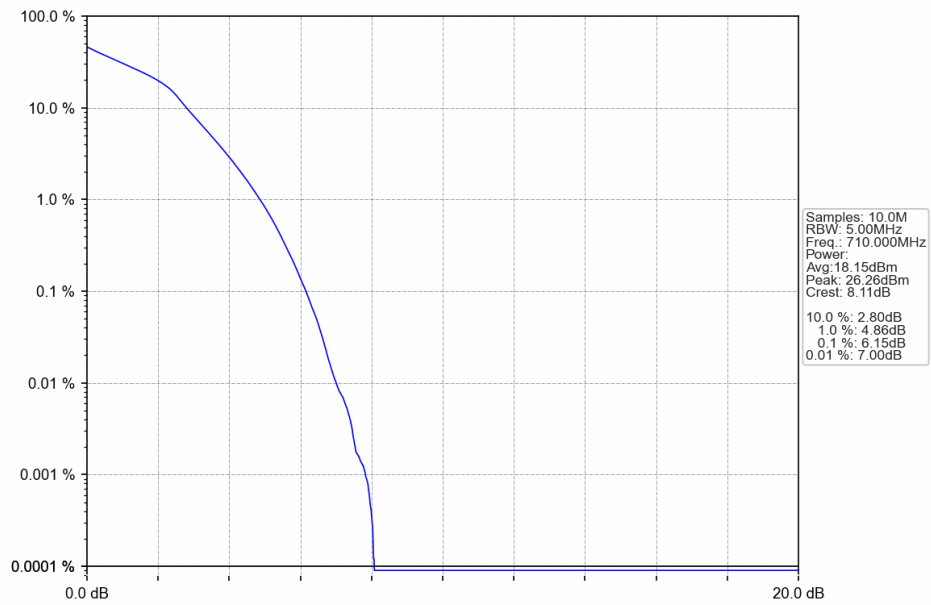
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



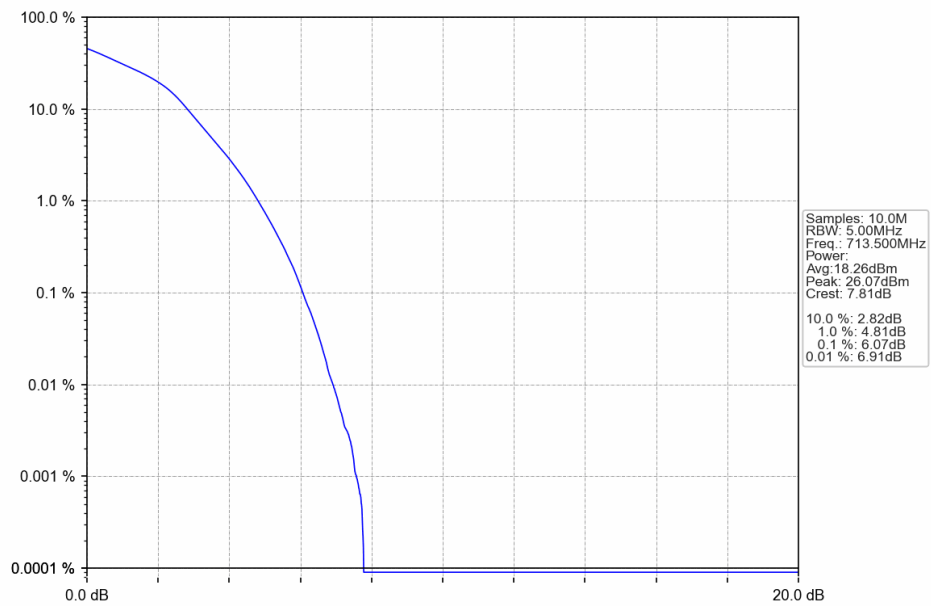
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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

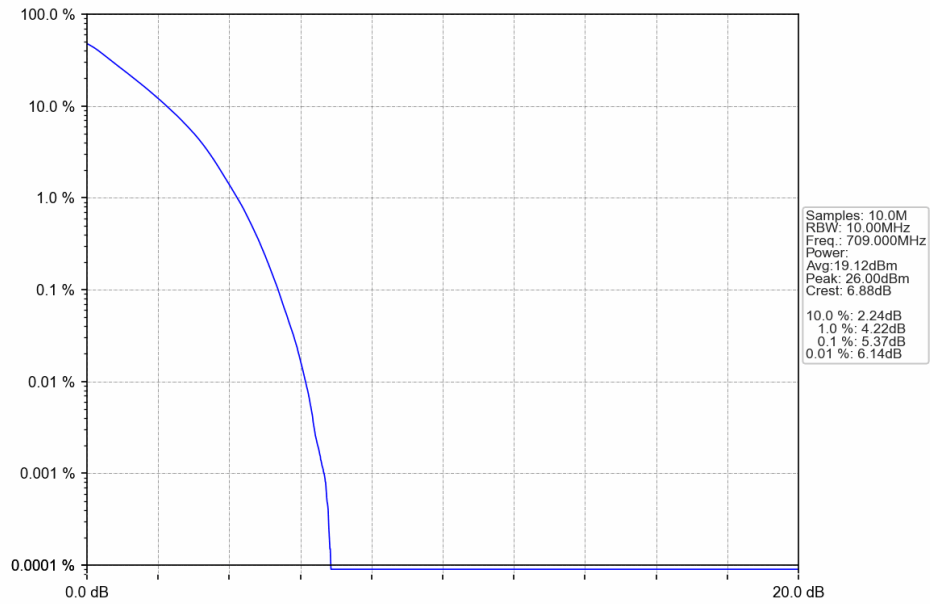


Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV

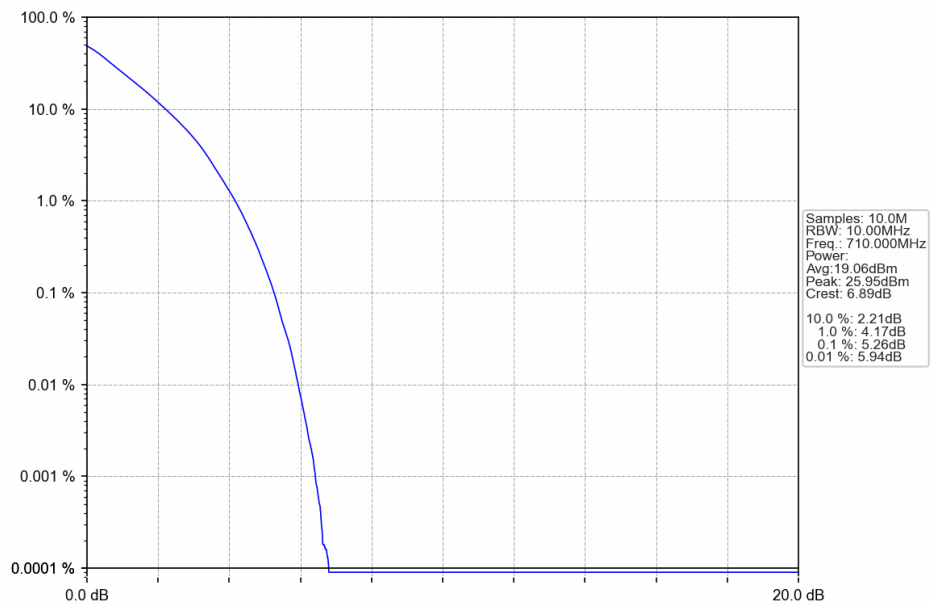


5.2.2 B17_10MHz

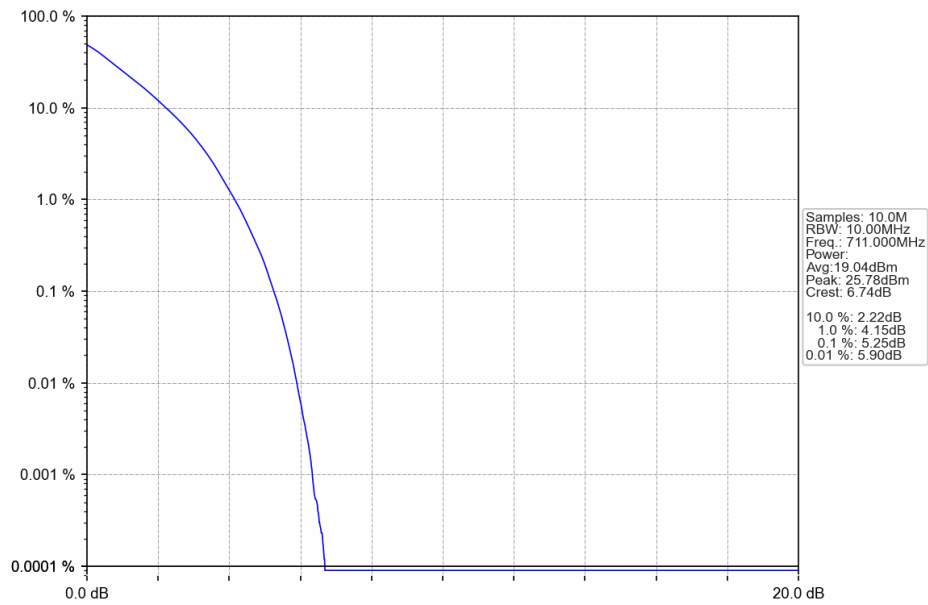
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



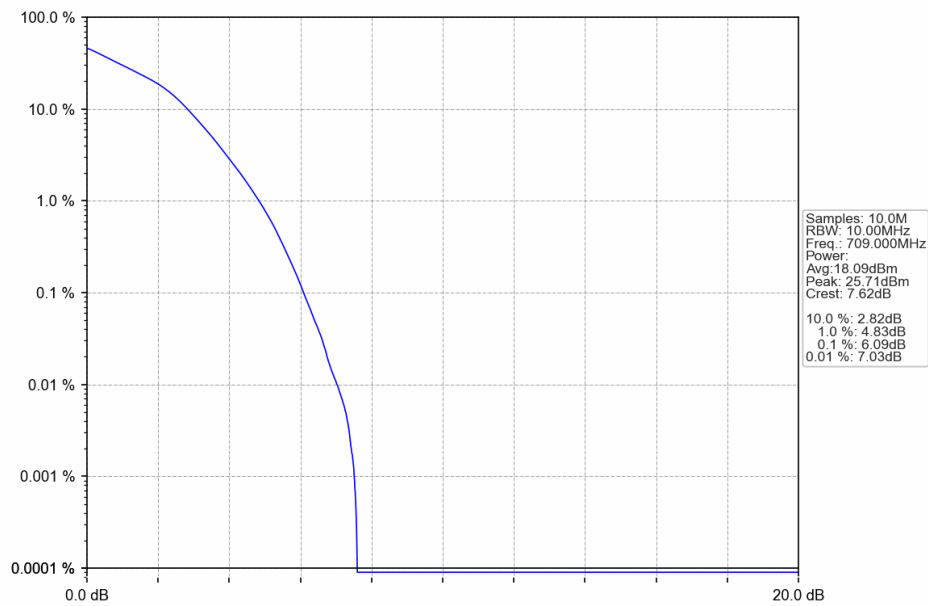
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



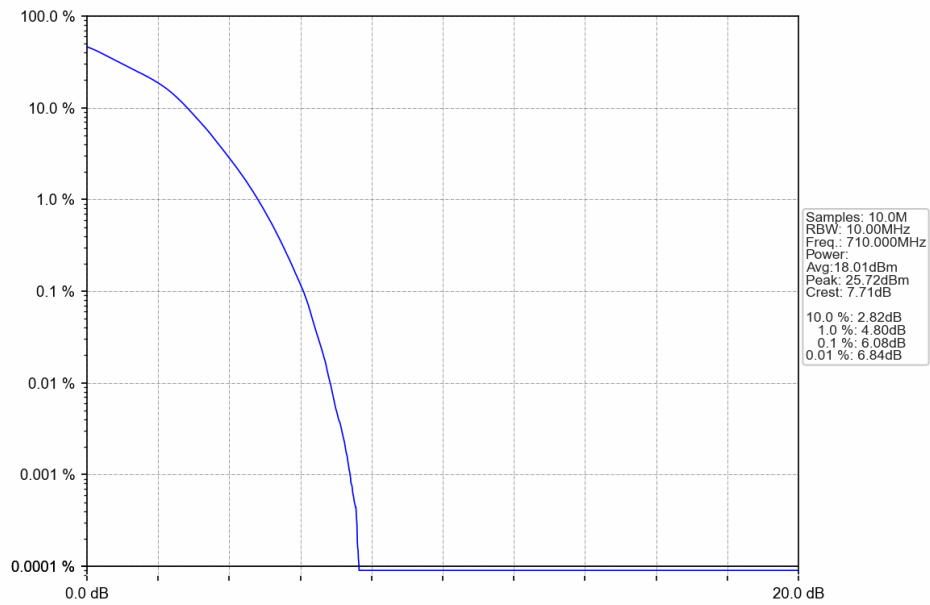
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



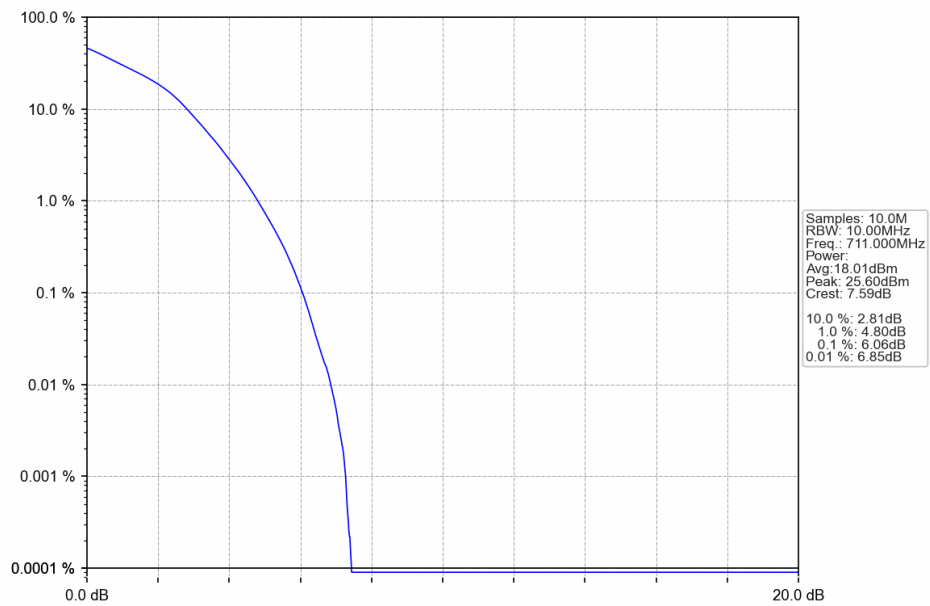
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

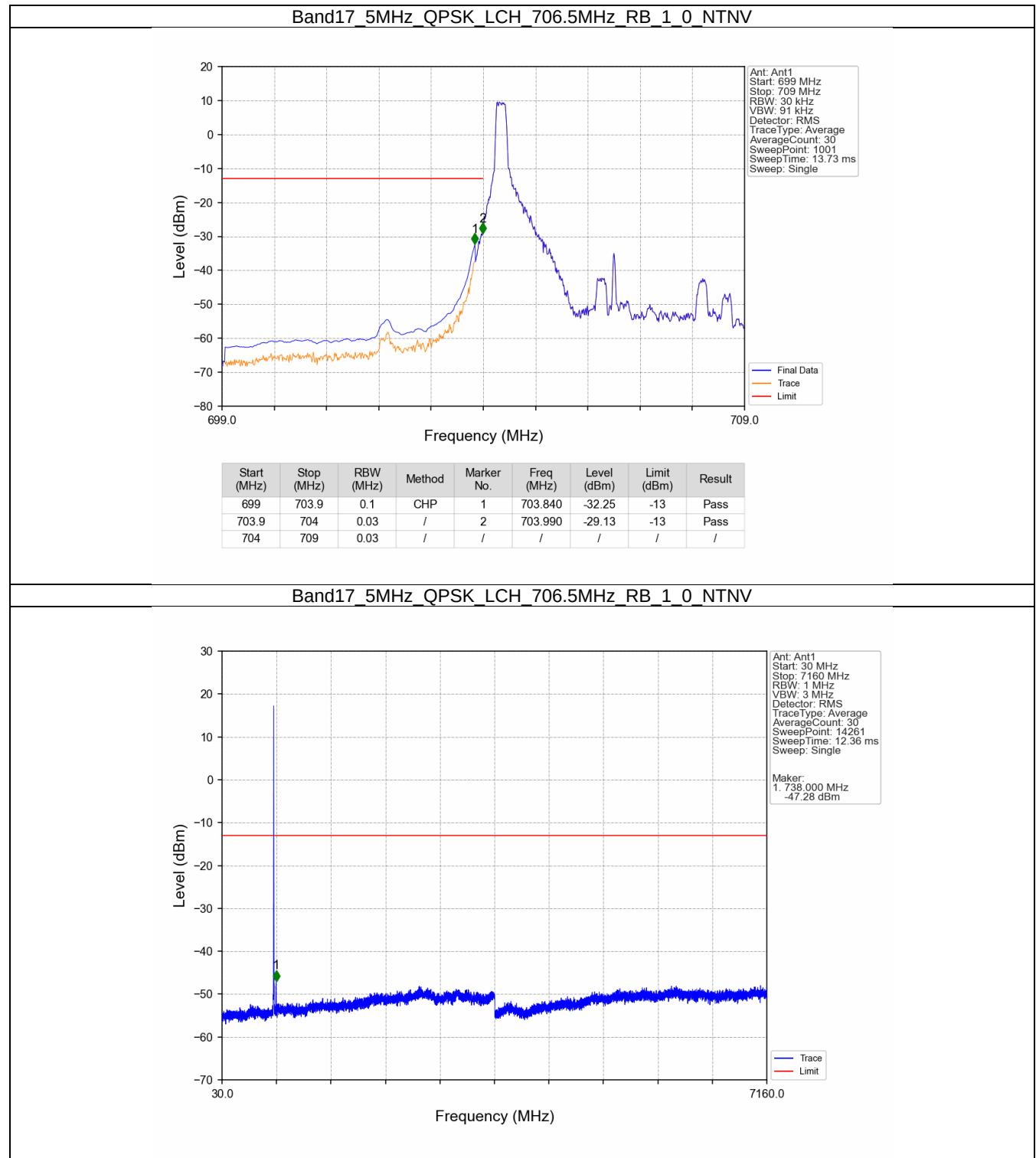
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B17_10MHz

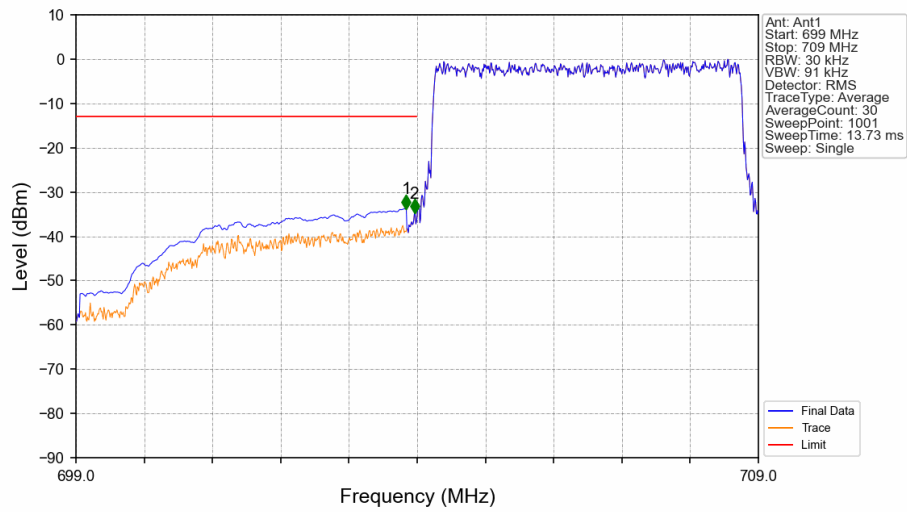
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

6.2.1 B17_5MHz

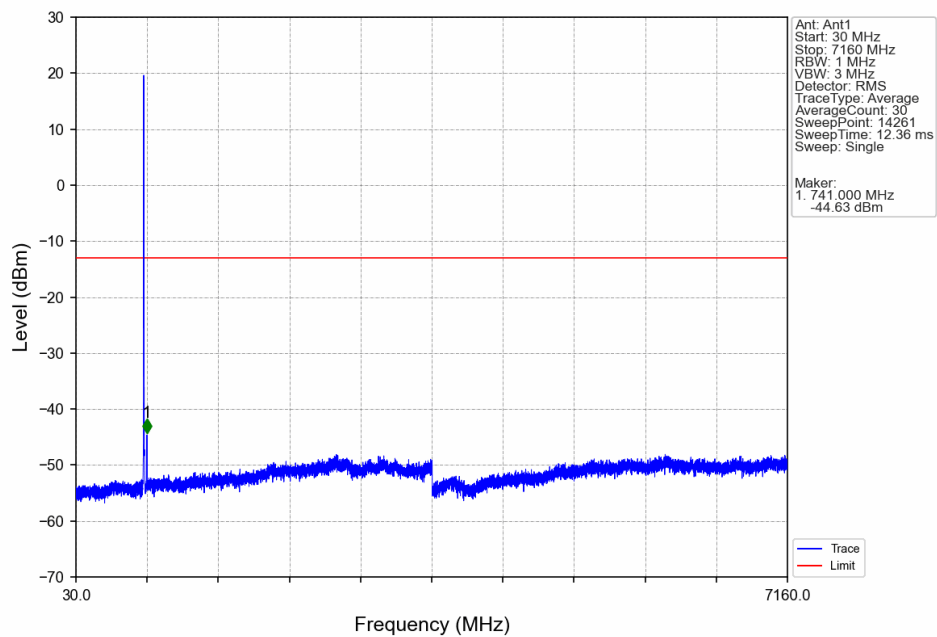


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

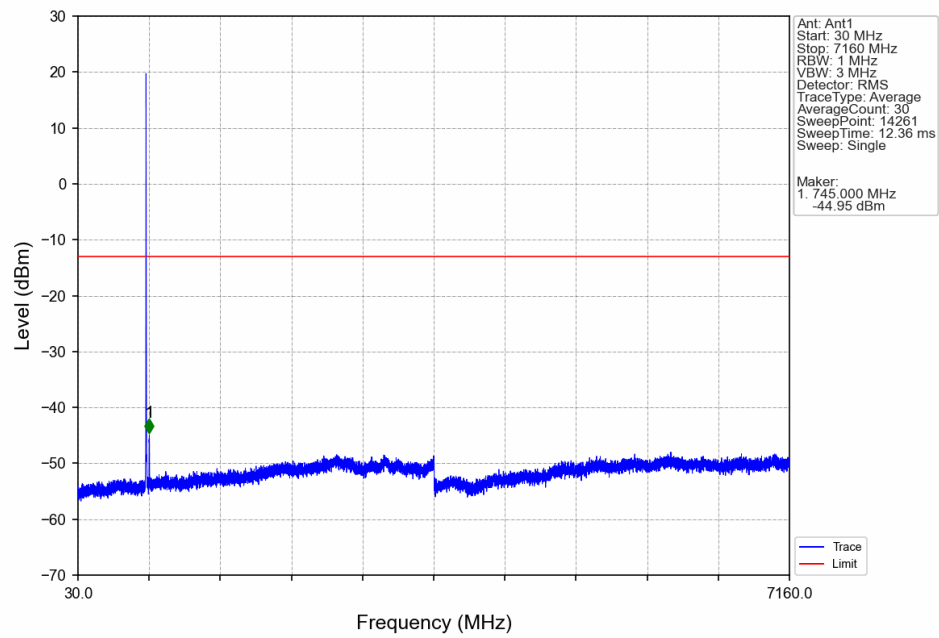


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-33.75	-13	Pass
703.9	704	0.03	/	2	703.960	-34.68	-13	Pass
704	709	0.03	/	/	/	/	/	/

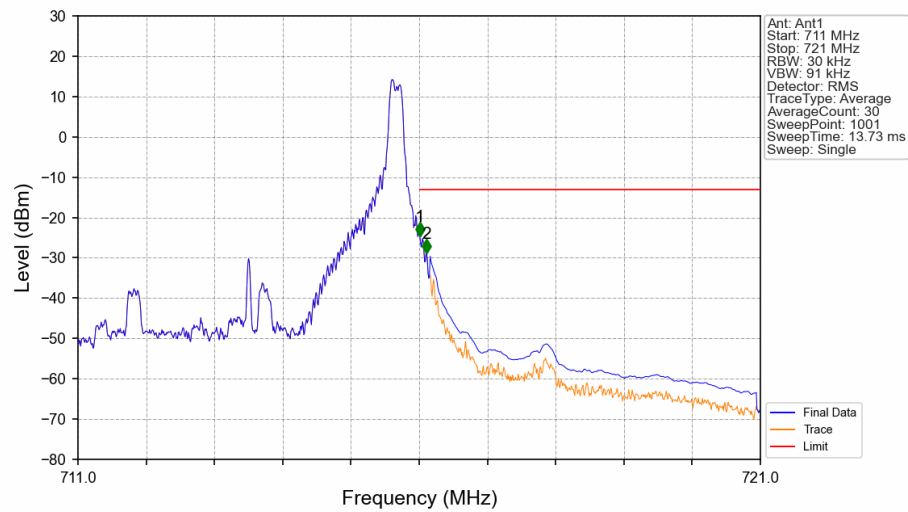
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV

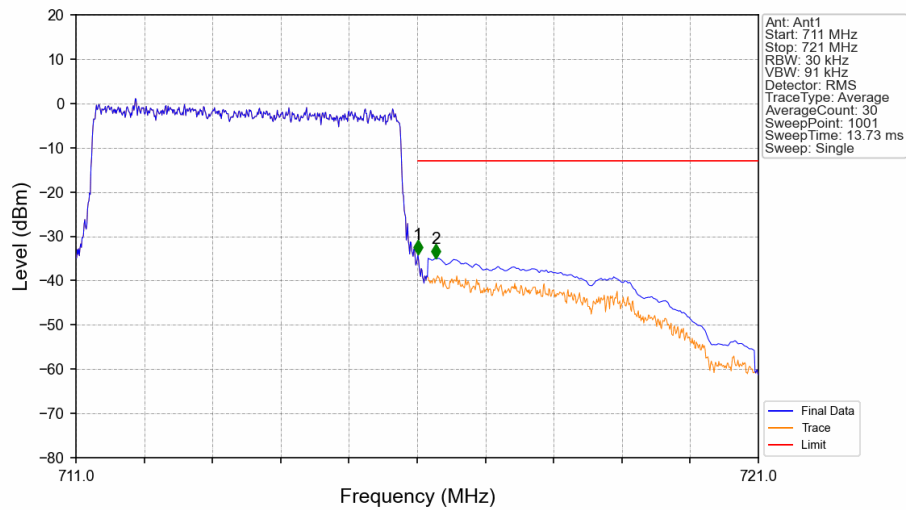


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



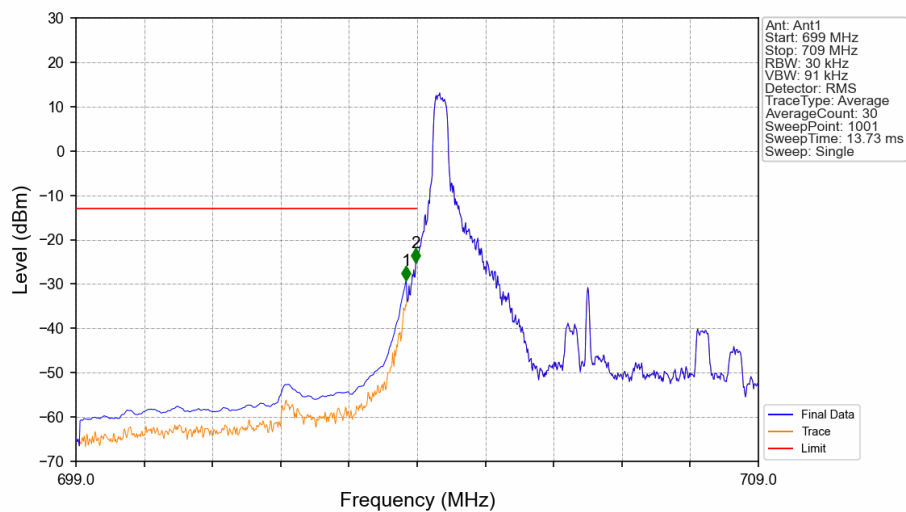
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-24.73	-13	Pass
716.1	721	0.1	CHP	2	716.110	-28.92	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



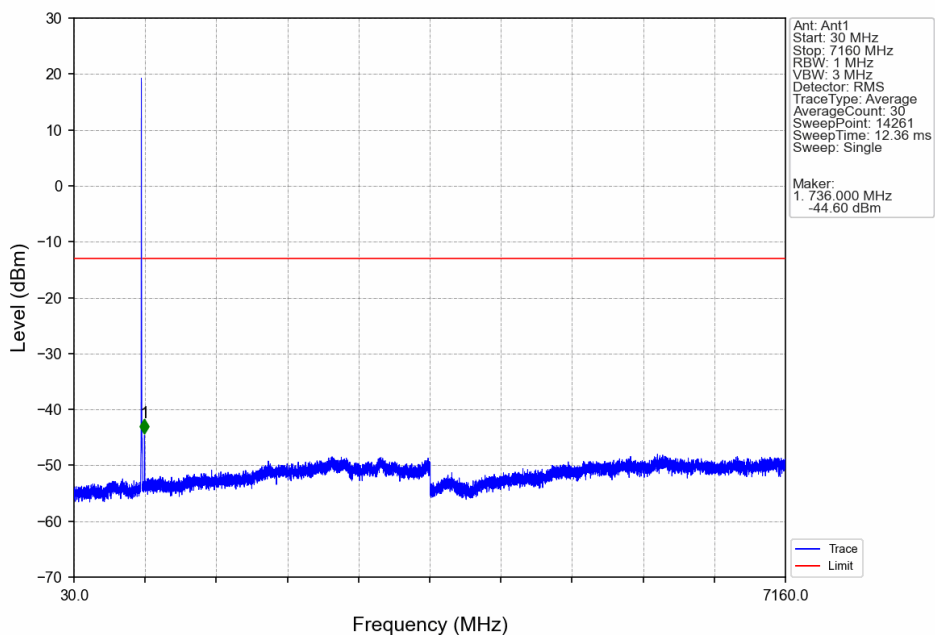
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-34.04	-13	Pass
716.1	721	0.1	CHP	2	716.270	-34.96	-13	Pass

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

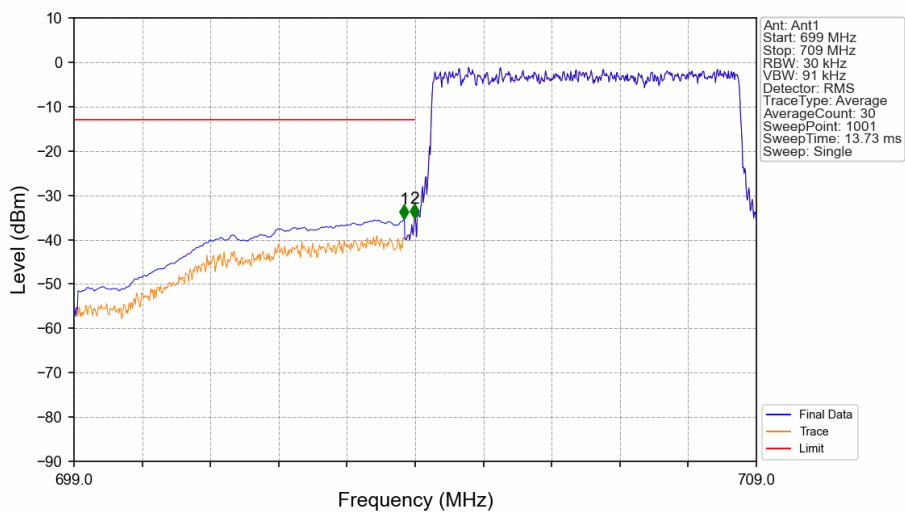


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-29.12	-13	Pass
703.9	704	0.03	/	2	703.980	-25.11	-13	Pass
704	709	0.03	/	/	/	/	/	/

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

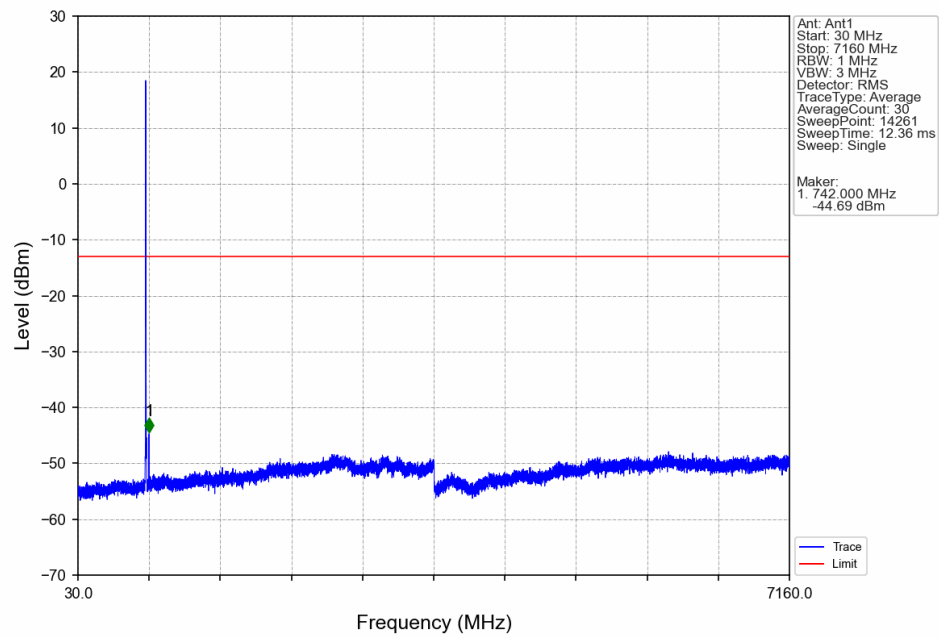


Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV

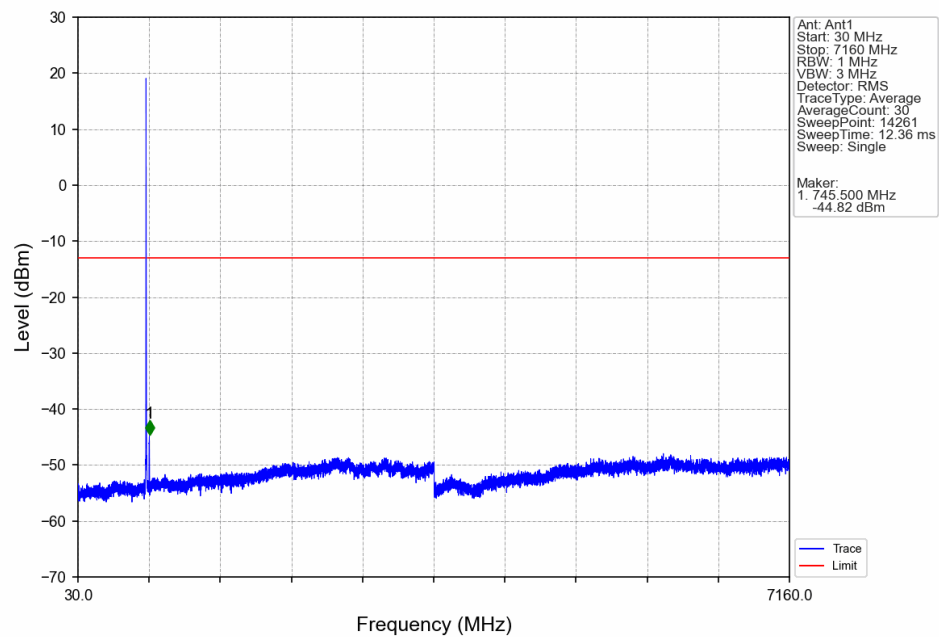


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-35.33	-13	Pass
703.9	704	0.03	/	2	703.990	-35.15	-13	Pass
704	709	0.03	/	/	/	/	/	/

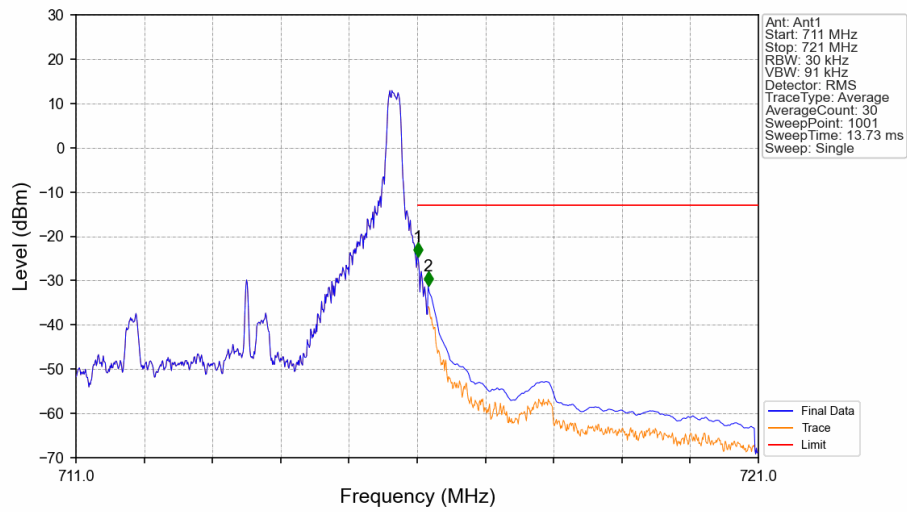
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

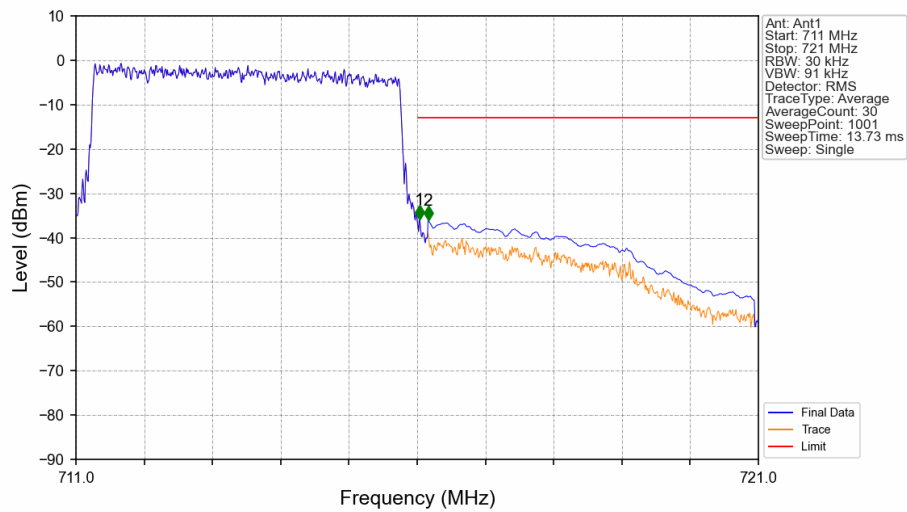


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



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	-24.64	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.22	-13	Pass

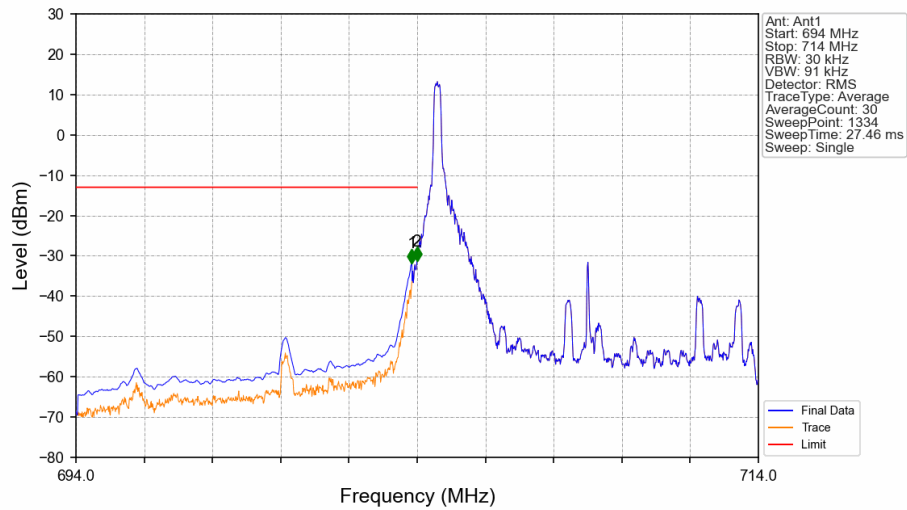
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-35.78	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.04	-13	Pass

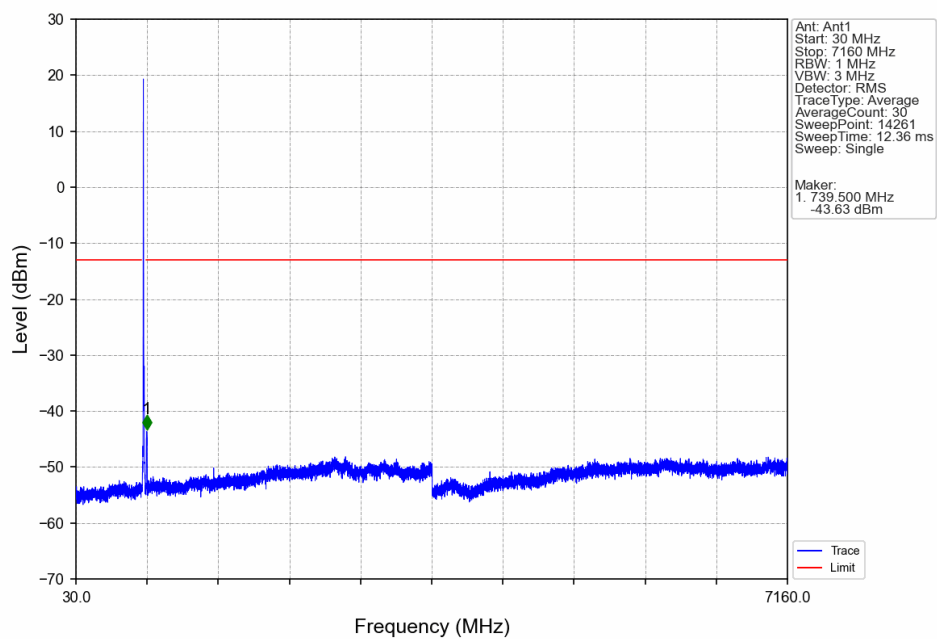
6.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

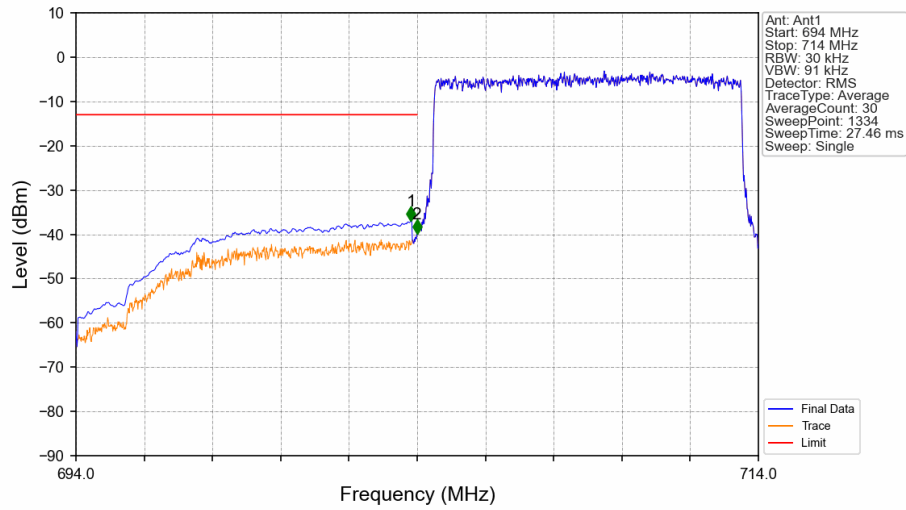


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-31.75	-13	Pass
703.9	704	0.03	/	2	703.992	-31.24	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

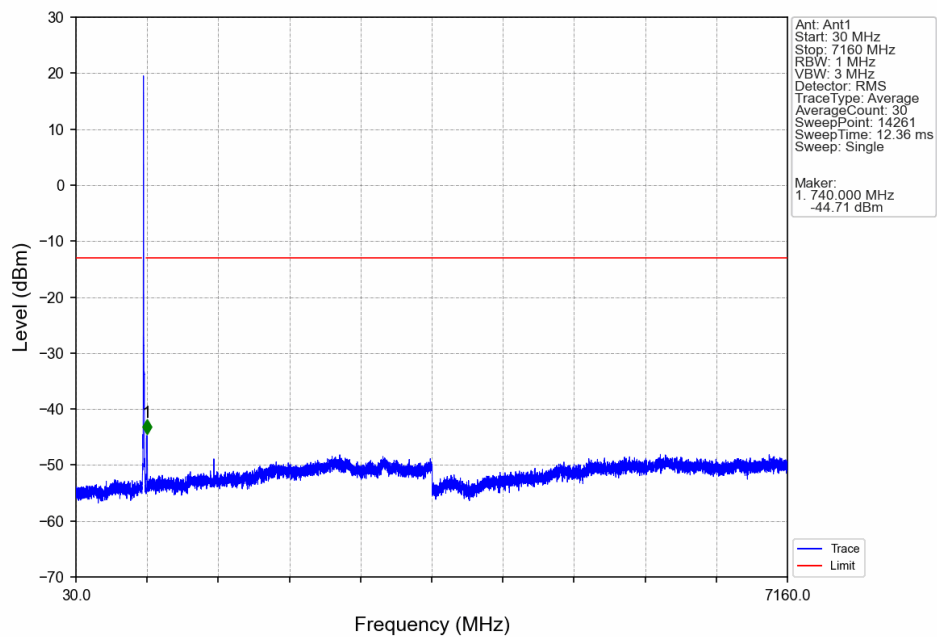


Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV

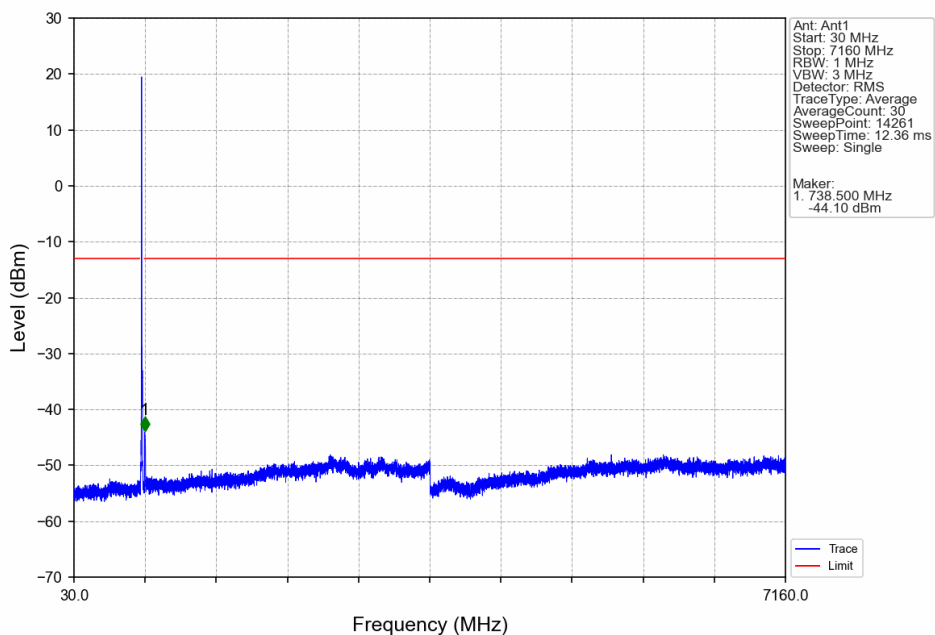


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.812	-37.01	-13	Pass
703.9	704	0.03	/	2	703.992	-39.80	-13	Pass
704	714	0.03	/	/	/	/	/	/

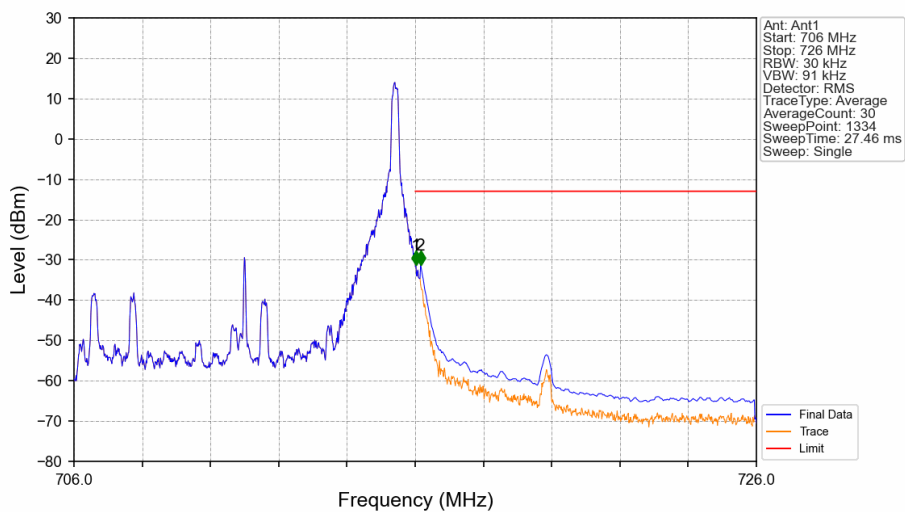
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

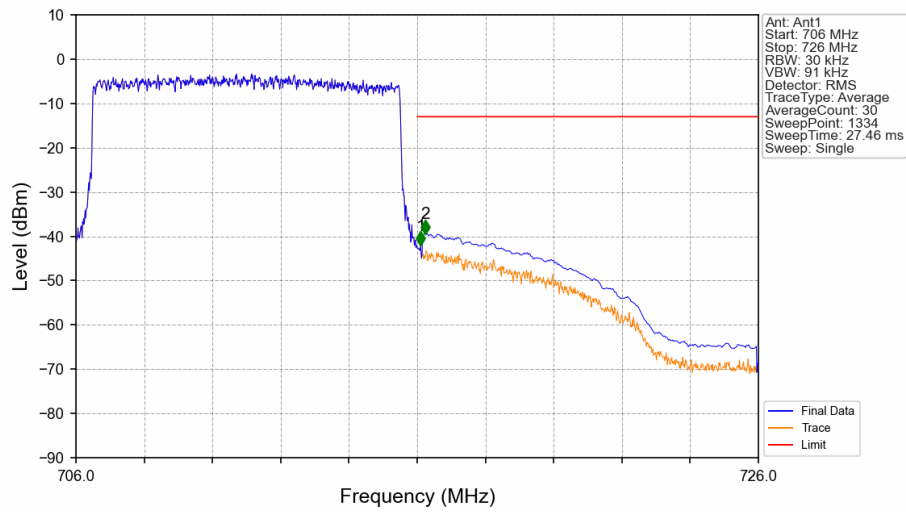


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



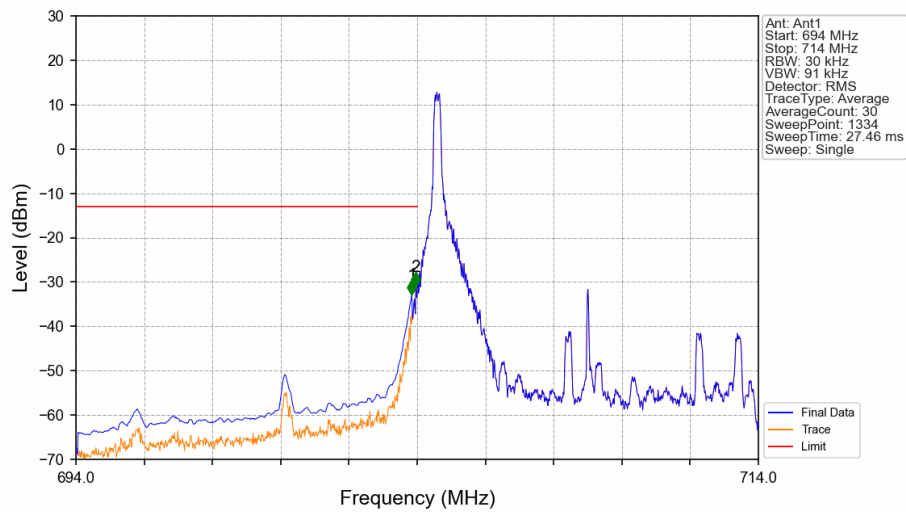
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-31.31	-13	Pass
716.1	726	0.1	CHP	2	716.158	-31.27	-13	Pass

Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



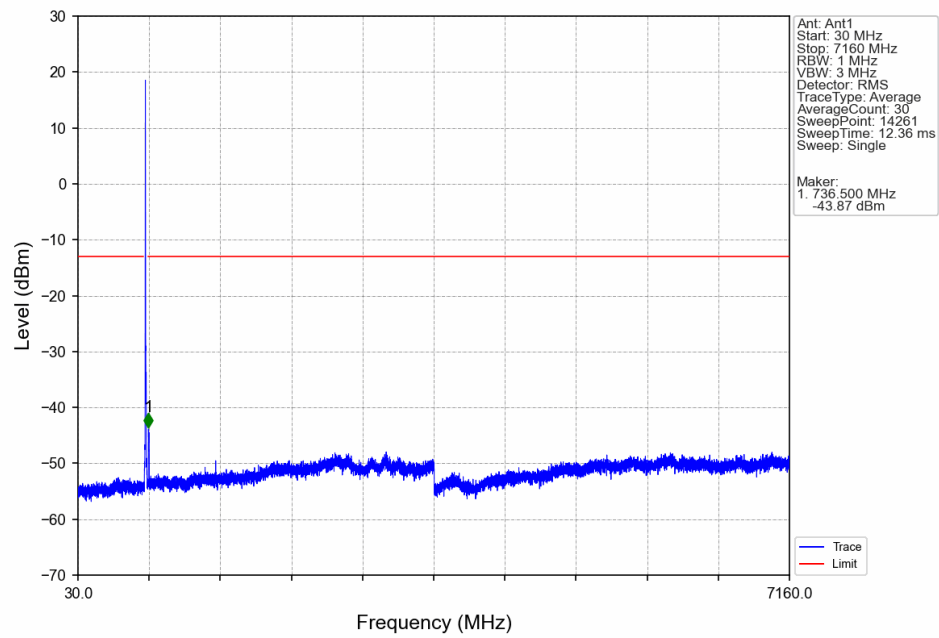
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.098	-42.09	-13	Pass
716.1	726	0.1	CHP	2	716.233	-39.40	-13	Pass

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

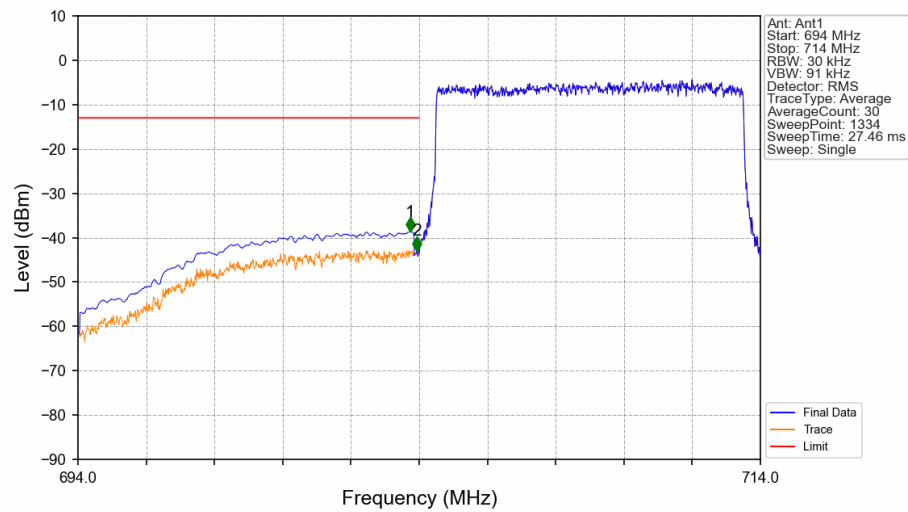


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-32.78	-13	Pass
703.9	704	0.03	/	2	703.962	-30.97	-13	Pass
704	714	0.03	/	/	/	/	/	/

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

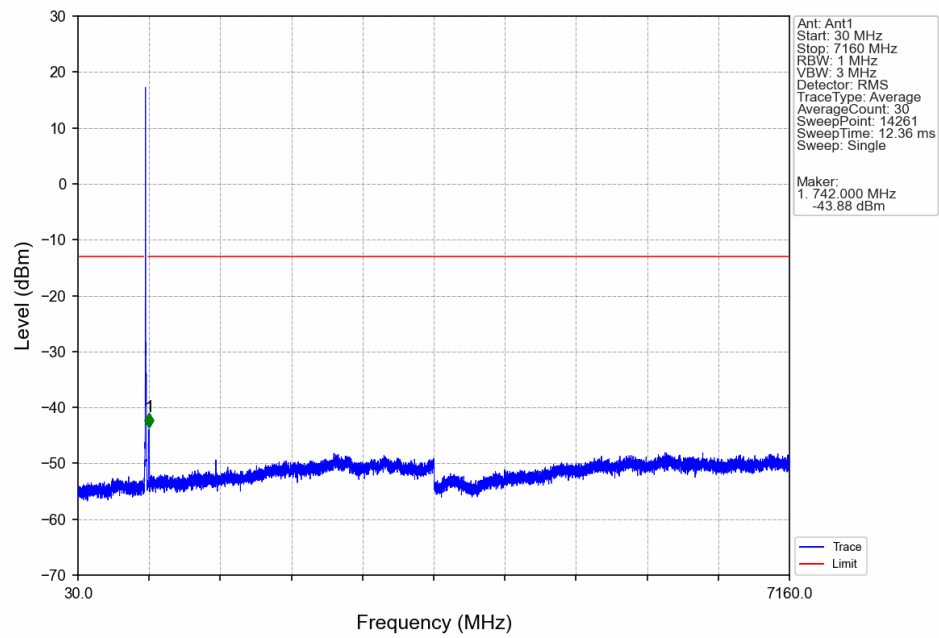


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

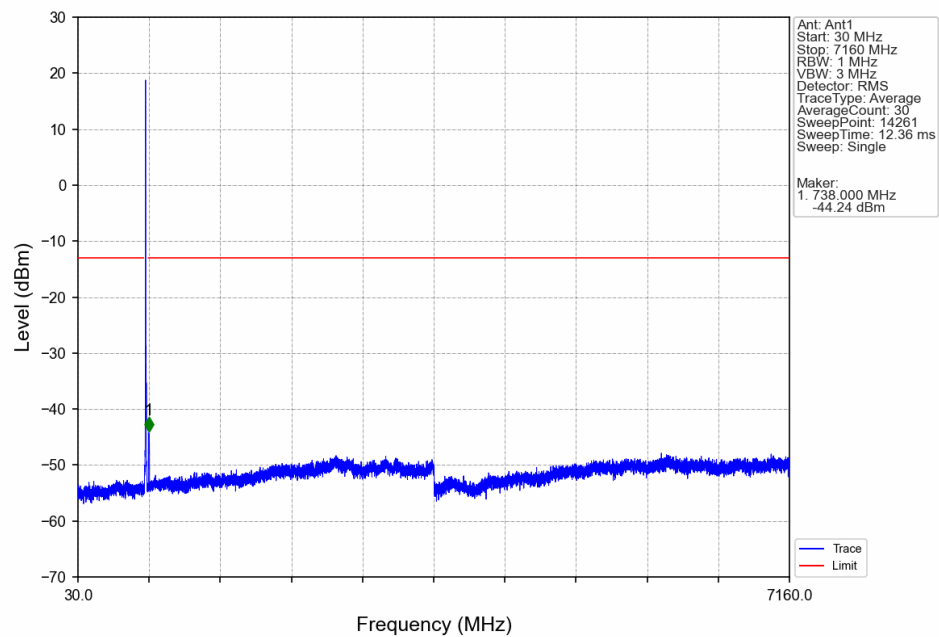


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.737	-38.60	-13	Pass
703.9	704	0.03	/	2	703.932	-42.86	-13	Pass
704	714	0.03	/	/	/	/	/	/

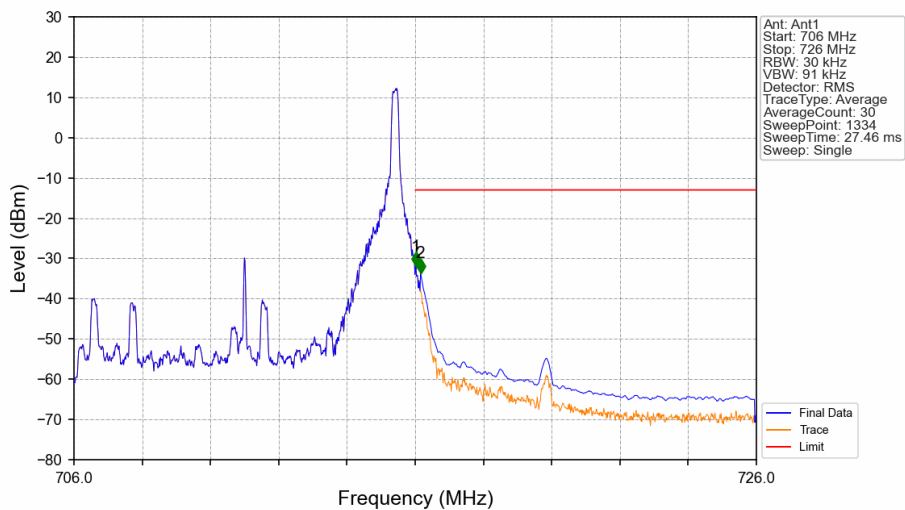
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

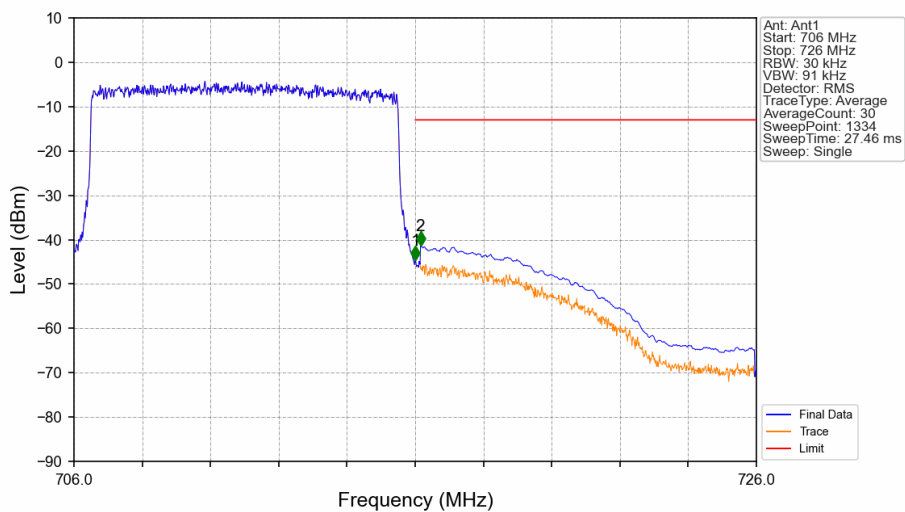


Band17 10MHz 16QAM HCH 711MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-31.95	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.56	-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	-44.64	-13	Pass
716.1	726	0.1	CHP	2	716.158	-41.27	-13	Pass