1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	21.78	-1.83	17.80	<=34.77	Pass
			13	21.76	-1.83	17.78	<=34.77	Pass
			24	21.70	-1.83	17.72	<=34.77	Pass
		12	0	20.85	-1.83	16.87	<=34.77	Pass
			6	20.83	-1.83	16.85	<=34.77	Pass
			13	20.82	-1.83	16.84	<=34.77	Pass
		25	0	20.84	-1.83	16.86	<=34.77	Pass
	710	1	0	21.65	-1.83	17.67	<=34.77	Pass
			13	21.74	-1.83	17.76	<=34.77	Pass
			24	21.70	-1.83	17.72	<=34.77	Pass
		12	0	20.70	-1.83	16.72	<=34.77	Pass
			6	20.83	-1.83	16.85	<=34.77	Pass
			13	20.74	-1.83	16.76	<=34.77	Pass
		25	0	20.77	-1.83	16.79	<=34.77	Pass
	713.5	1	0	21.68	-1.83	17.70	<=34.77	Pass
			13	21.65	-1.83	17.67	<=34.77	Pass
			24	21.65	-1.83	17.67	<=34.77	Pass
		12	0	20.77	-1.83	16.79	<=34.77	Pass
			6	20.71	-1.83	16.73	<=34.77	Pass
			13	20.68	-1.83	16.70	<=34.77	Pass
		25	0	20.73	-1.83	16.75	<=34.77	Pass
16QAM	706.5	1	0	20.25	-1.83	16.27	<=34.77	Pass
			13	20.14	-1.83	16.16	<=34.77	Pass
			24	20.12	-1.83	16.14	<=34.77	Pass
		12	0	19.82	-1.83	15.84	<=34.77	Pass
			6	19.85	-1.83	15.87	<=34.77	Pass
			13	19.81	-1.83	15.83	<=34.77	Pass
		25	0	19.78	-1.83	15.80	<=34.77	Pass
	710	1	0	20.36	-1.83	16.38	<=34.77	Pass
			13	20.40	-1.83	16.42	<=34.77	Pass
			24	20.33	-1.83	16.35	<=34.77	Pass
		12	0	19.67	-1.83	15.69	<=34.77	Pass
			6	19.68	-1.83	15.70	<=34.77	Pass
			13	19.59	-1.83	15.61	<=34.77	Pass
		25	0	19.73	-1.83	15.75	<=34.77	Pass
	713.5	1	0	20.60	-1.83	16.62	<=34.77	Pass
			13	20.54	-1.83	16.56	<=34.77	Pass
			24	20.52	-1.83	16.54	<=34.77	Pass
		12	0	19.86	-1.83	15.88	<=34.77	Pass
			6	19.84	-1.83	15.86	<=34.77	Pass
			13	19.80	-1.83	15.82	<=34.77	Pass
		25	0	19.75	-1.83	15.77	<=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	21.93	-1.83	17.95	<=34.77	Pass
			25	21.90	-1.83	17.92	<=34.77	Pass
			49	21.91	-1.83	17.93	<=34.77	Pass
		25	0	20.80	-1.83	16.82	<=34.77	Pass
			13	20.82	-1.83	16.84	<=34.77	Pass
			25	20.85	-1.83	16.87	<=34.77	Pass
		50	0	20.78	-1.83	16.80	<=34.77	Pass
	710	1	0	21.75	-1.83	17.77	<=34.77	Pass
			25	21.77	-1.83	17.79	<=34.77	Pass
			49	21.66	-1.83	17.68	<=34.77	Pass
		25	0	20.76	-1.83	16.78	<=34.77	Pass
			13	20.81	-1.83	16.83	<=34.77	Pass
			25	20.74	-1.83	16.76	<=34.77	Pass
		50	0	20.84	-1.83	16.86	<=34.77	Pass
	711	1	0	21.81	-1.83	17.83	<=34.77	Pass
			25	21.82	-1.83	17.84	<=34.77	Pass
			49	21.70	-1.83	17.72	<=34.77	Pass
		25	0	20.73	-1.83	16.75	<=34.77	Pass
			13	20.78	-1.83	16.80	<=34.77	Pass
			25	20.74	-1.83	16.76	<=34.77	Pass
		50	0	20.81	-1.83	16.83	<=34.77	Pass
16QAM	709	1	0	20.52	-1.83	16.54	<=34.77	Pass
			25	20.46	-1.83	16.48	<=34.77	Pass
			49	20.45	-1.83	16.47	<=34.77	Pass
		25	0	19.91	-1.83	15.93	<=34.77	Pass
			13	19.87	-1.83	15.89	<=34.77	Pass
			25	19.90	-1.83	15.92	<=34.77	Pass
		50	0	19.80	-1.83	15.82	<=34.77	Pass
	710	1	0	21.07	-1.83	17.09	<=34.77	Pass
			25	21.17	-1.83	17.19	<=34.77	Pass
			49	21.05	-1.83	17.07	<=34.77	Pass
		25	0	19.81	-1.83	15.83	<=34.77	Pass
			13	19.84	-1.83	15.86	<=34.77	Pass
			25	19.80	-1.83	15.82	<=34.77	Pass
		50	0	19.89	-1.83	15.91	<=34.77	Pass
	711	1	0	21.00	-1.83	17.02	<=34.77	Pass
			25	21.03	-1.83	17.05	<=34.77	Pass
			49	20.89	-1.83	16.91	<=34.77	Pass
		25	0	19.81	-1.83	15.83	<=34.77	Pass
			13	19.87	-1.83	15.89	<=34.77	Pass
			25	19.76	-1.83	15.78	<=34.77	Pass
		50	0	19.88	-1.83	15.90	<=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	0.515	0.0007	-2.5 to 2.5	Pass

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					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.43	0.229	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-0.401	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.272	0.0004	-2.5 to 2.5	Pass
					3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.358	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-0.458	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-0.529	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.257	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0001	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.315	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass

				-10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.658	-0.0009	-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	-1.059	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.715	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-0.544	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
					4.43	0.043	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.772	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
					4.43	0.172	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	0.186	0.0003	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-1.144	-0.0016	-2.5 to 2.5	Pass

					3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.429	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.815	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.815	-0.0011	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.415	0.0006	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.744	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

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

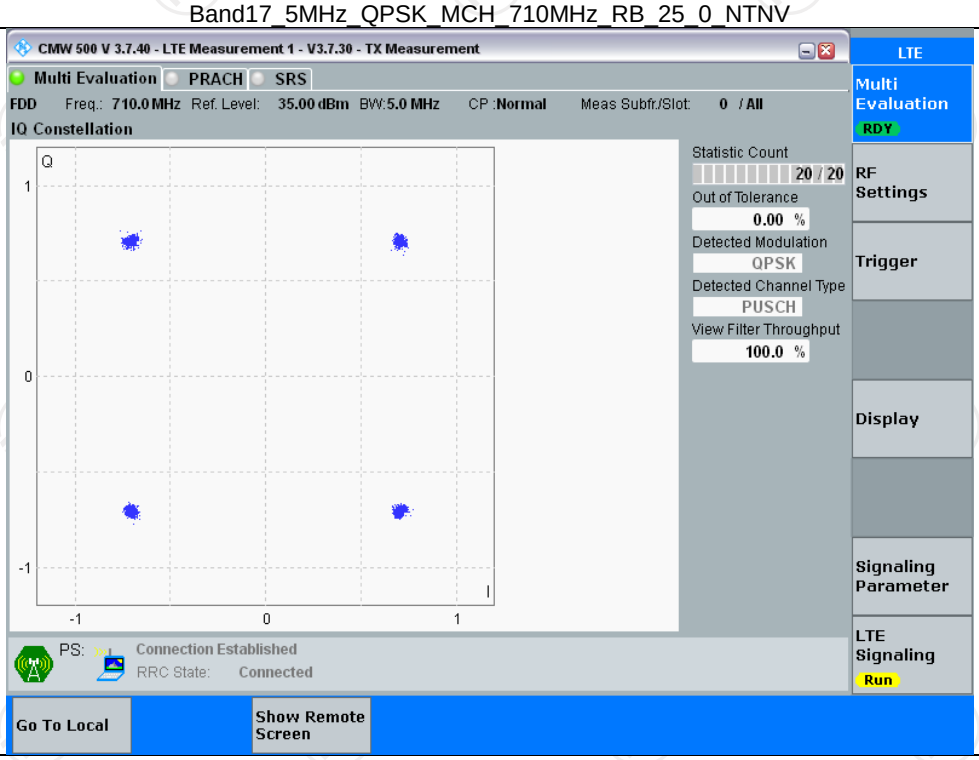
3.1.2 B17_10MHz

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

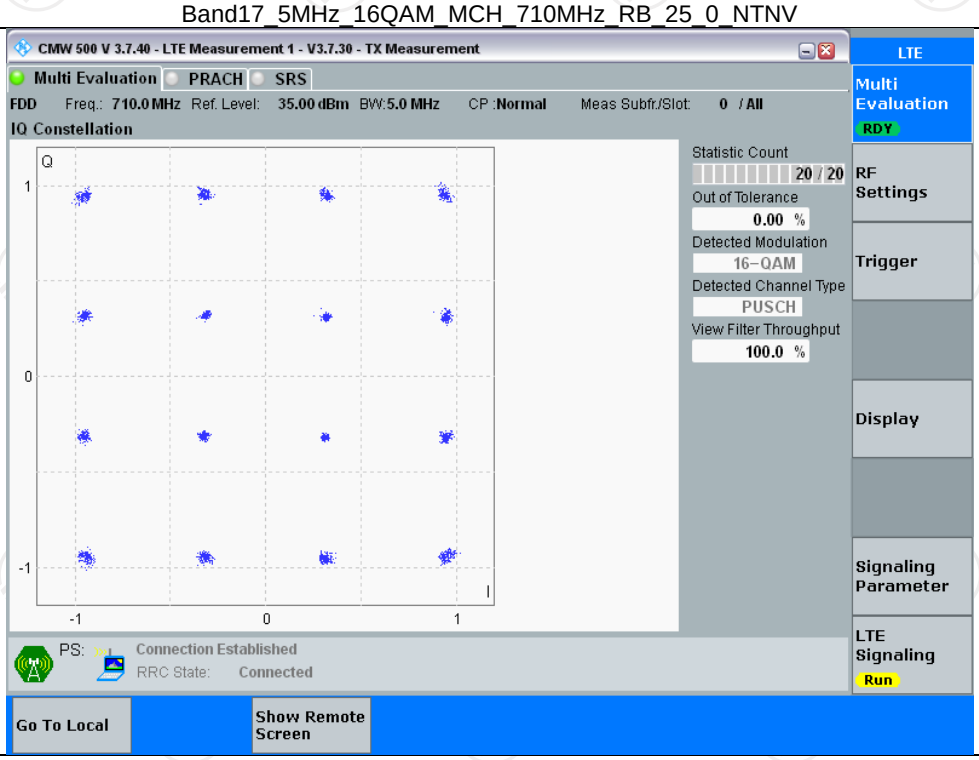
3.2 Test Graph

3.2.1 B17_5MHz

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV

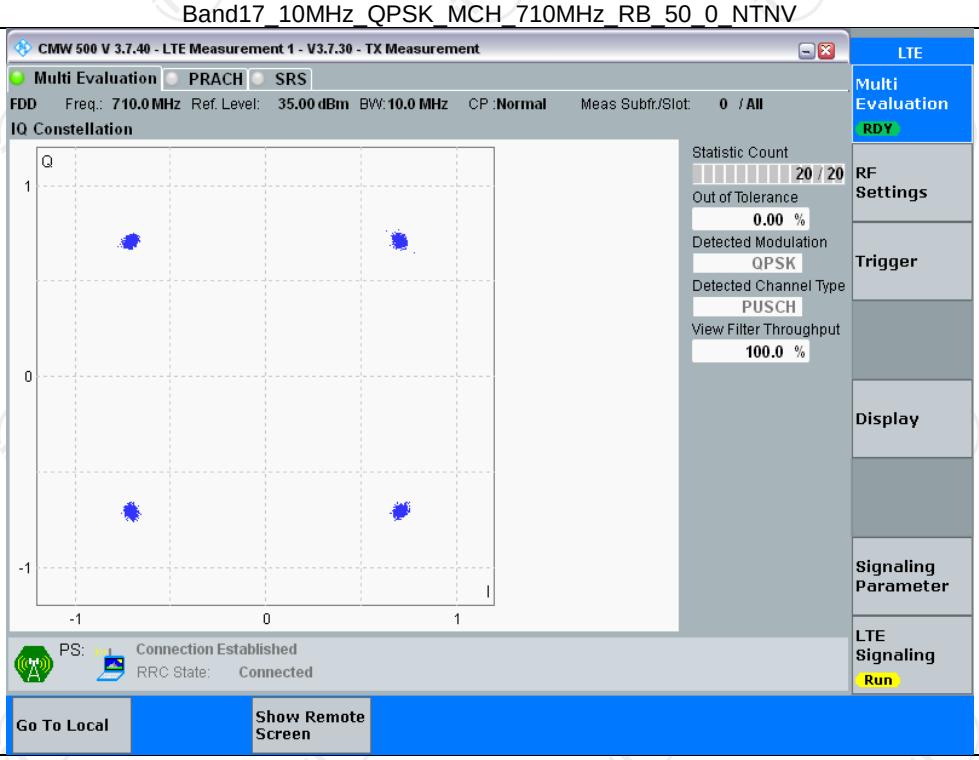


Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

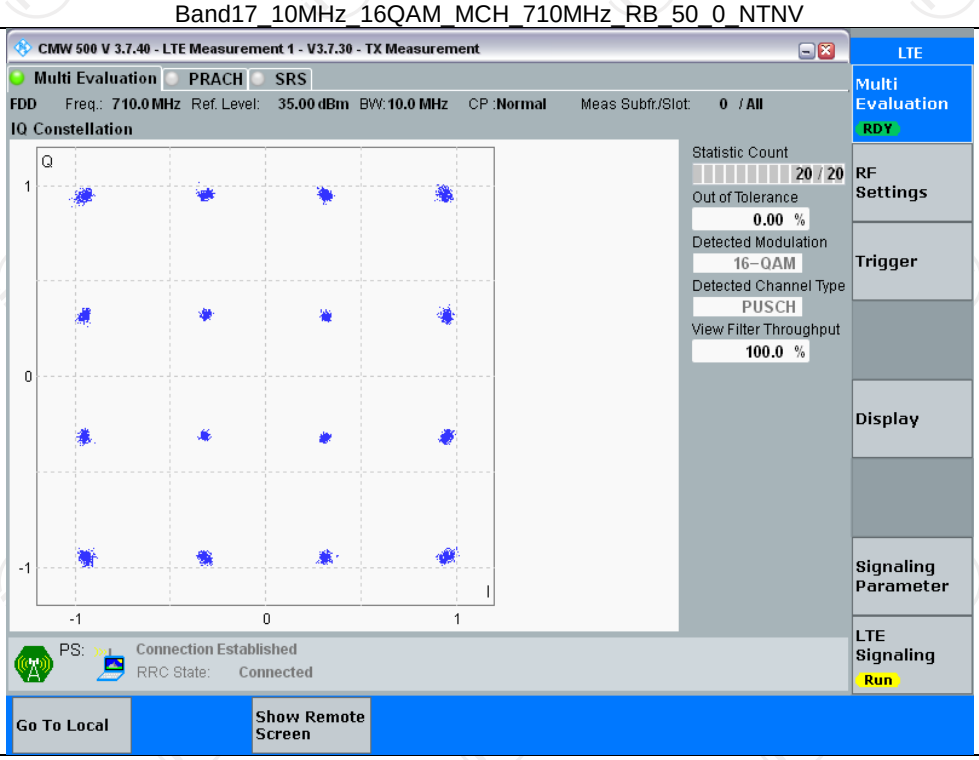


3.2.2 B17_10MHz

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



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	4.548	/	Pass
		710	25	0	4.573	/	Pass
		713.5	25	0	4.543	/	Pass
	16QAM	706.5	25	0	4.573	/	Pass
		710	25	0	4.527	/	Pass
		713.5	25	0	4.571	/	Pass
10	QPSK	709	50	0	9.054	/	Pass
		710	50	0	9.026	/	Pass
		711	50	0	9.055	/	Pass
	16QAM	709	50	0	9.067	/	Pass
		710	50	0	9.061	/	Pass
		711	50	0	9.085	/	Pass

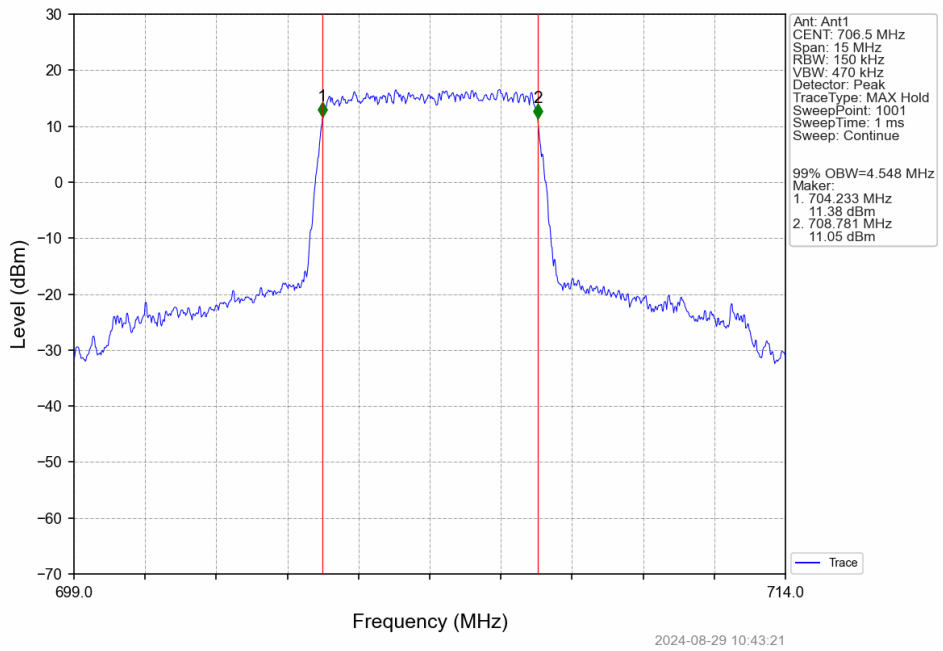
4.1.2 Band17_XDB

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	5.048	/	Pass
		713.5	25	0	5.061	/	Pass
	16QAM	706.5	25	0	5.073	/	Pass
		710	25	0	5.057	/	Pass
		713.5	25	0	5.089	/	Pass
10	QPSK	709	50	0	10.061	/	Pass
		710	50	0	10.013	/	Pass
		711	50	0	10.041	/	Pass
	16QAM	709	50	0	10.075	/	Pass
		710	50	0	10.110	/	Pass
		711	50	0	10.082	/	Pass

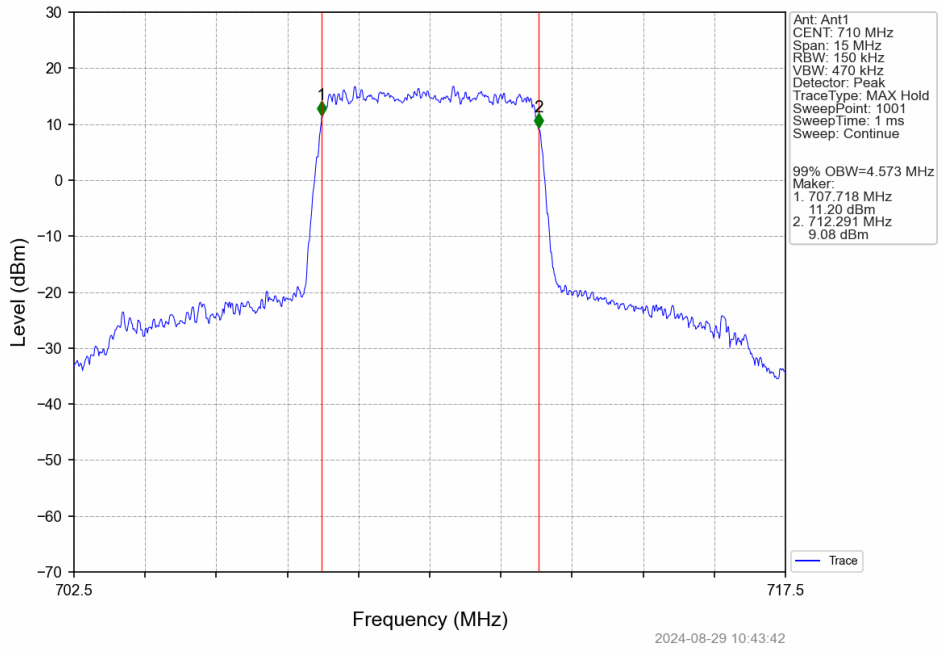
4.2 Test Graph

4.2.1 Band17_OBW

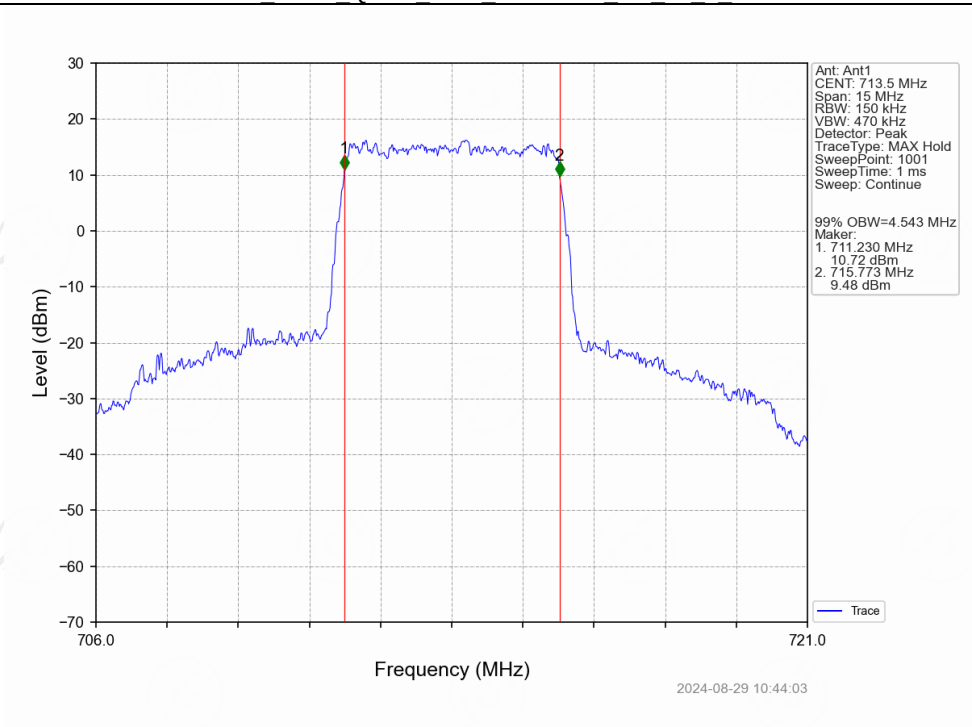
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



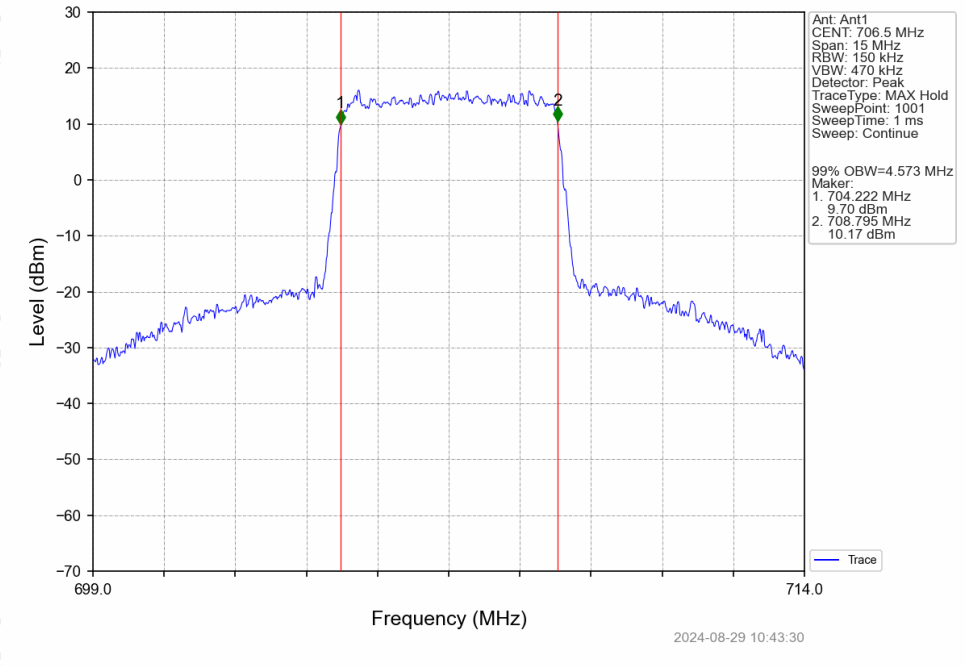
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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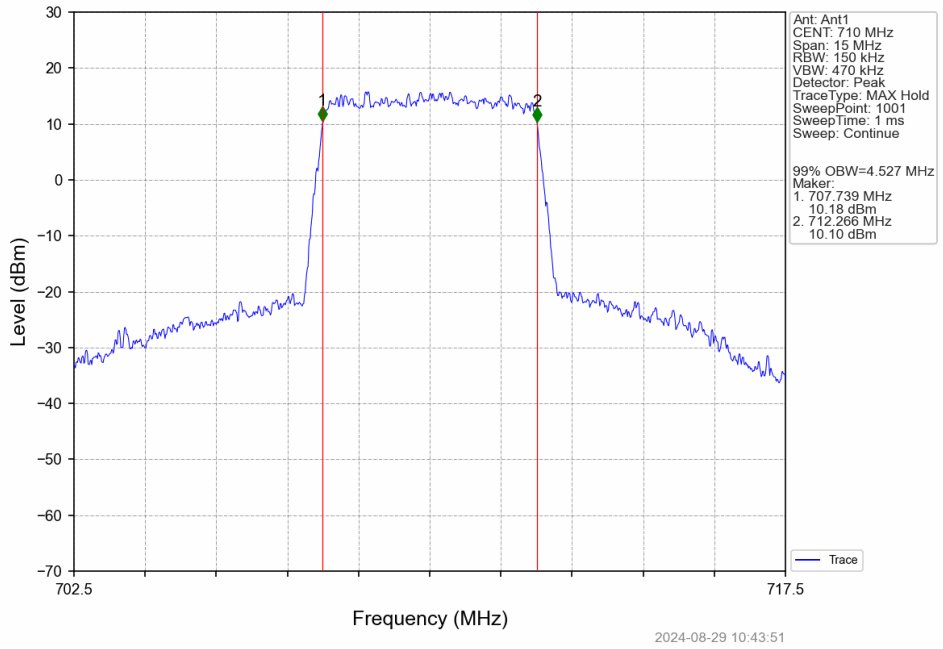
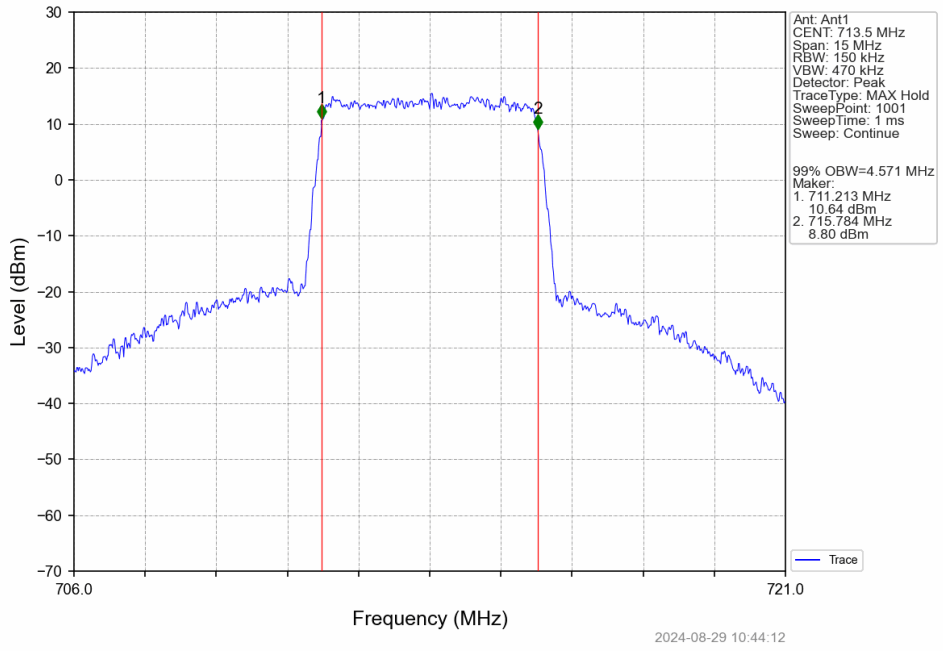
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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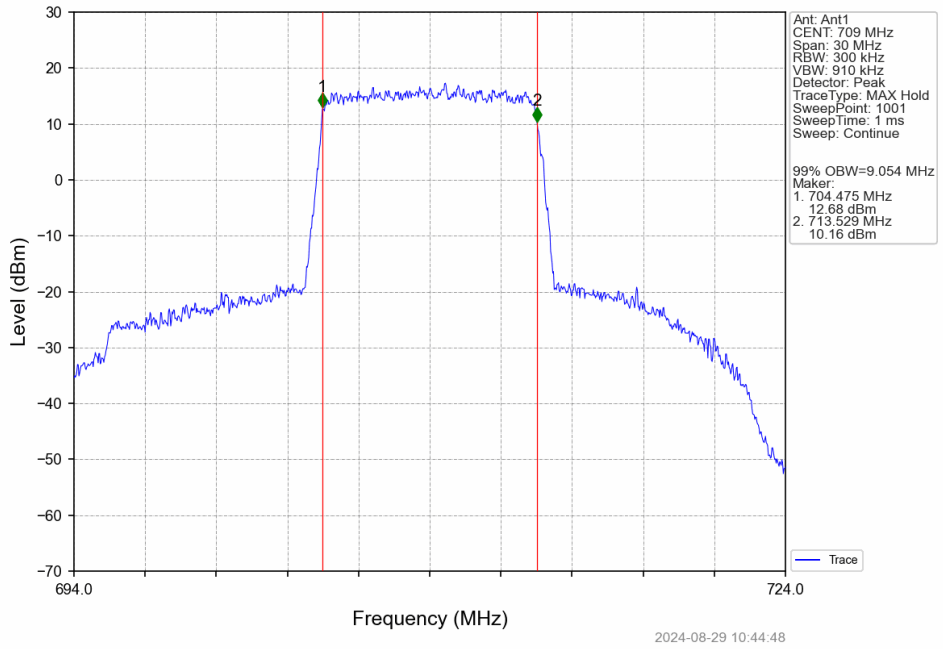
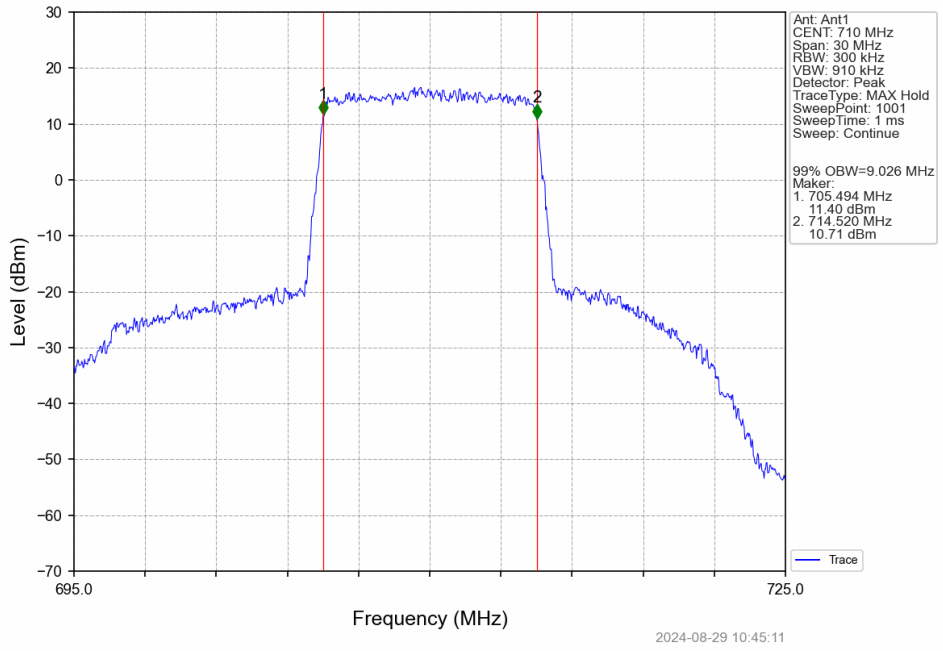
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

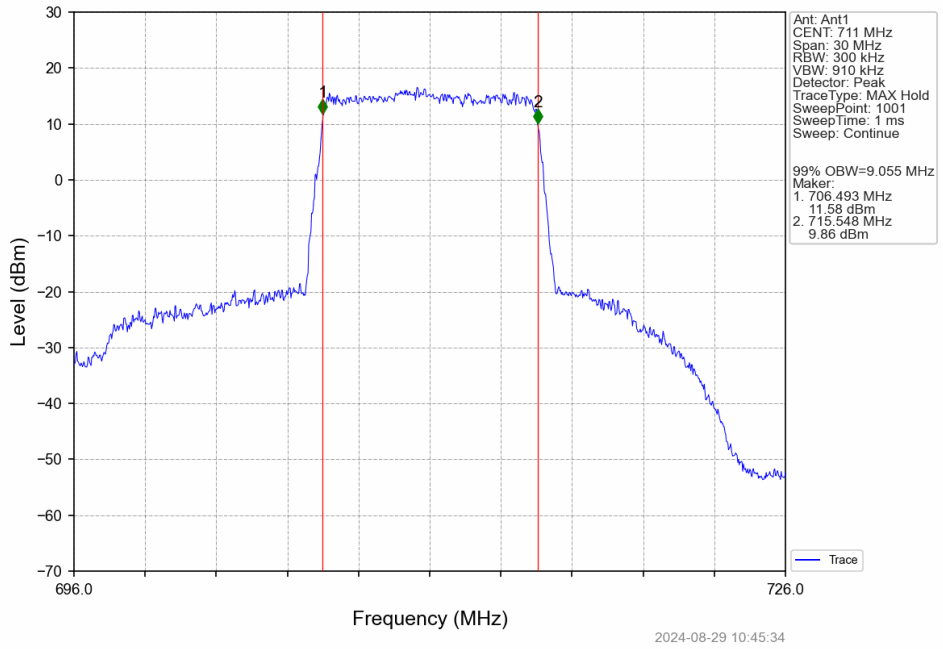


Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

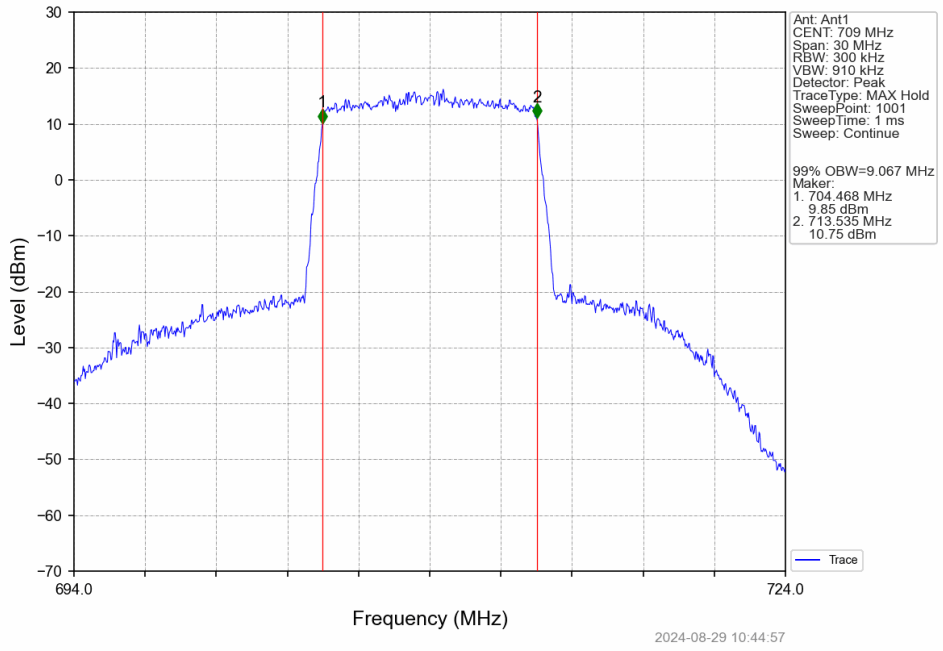


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

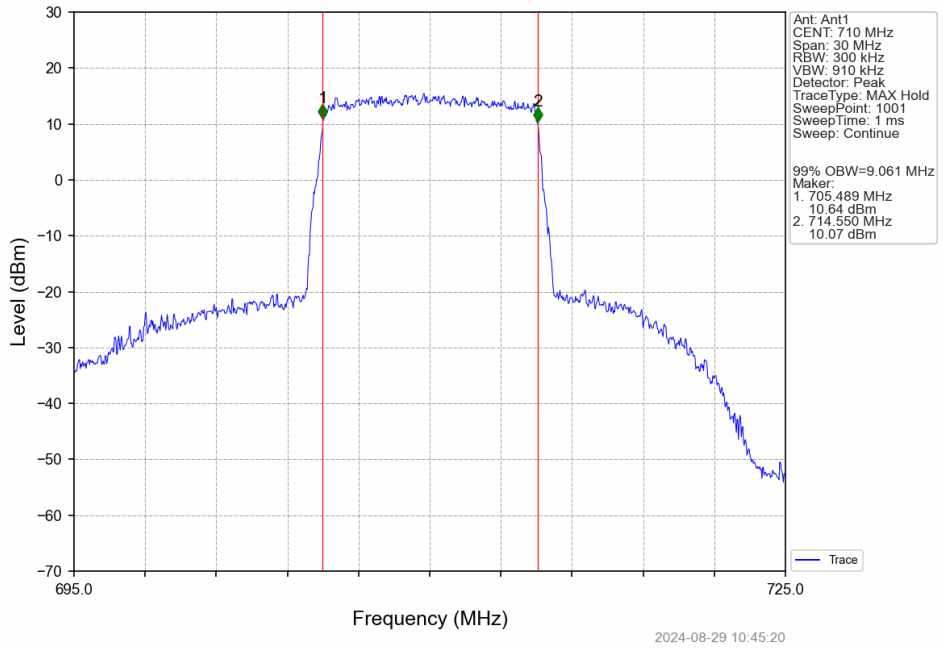


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

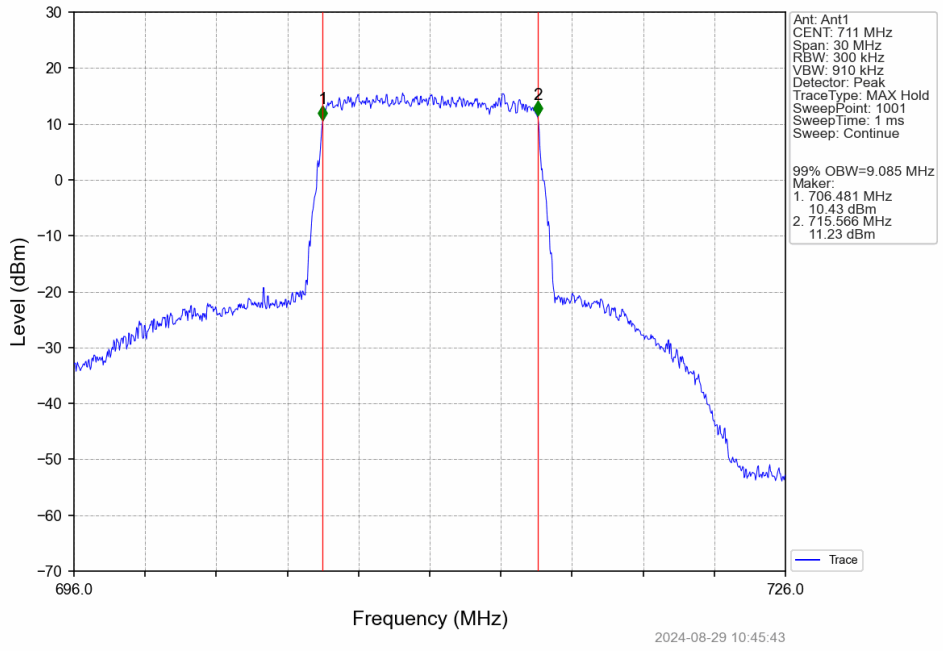


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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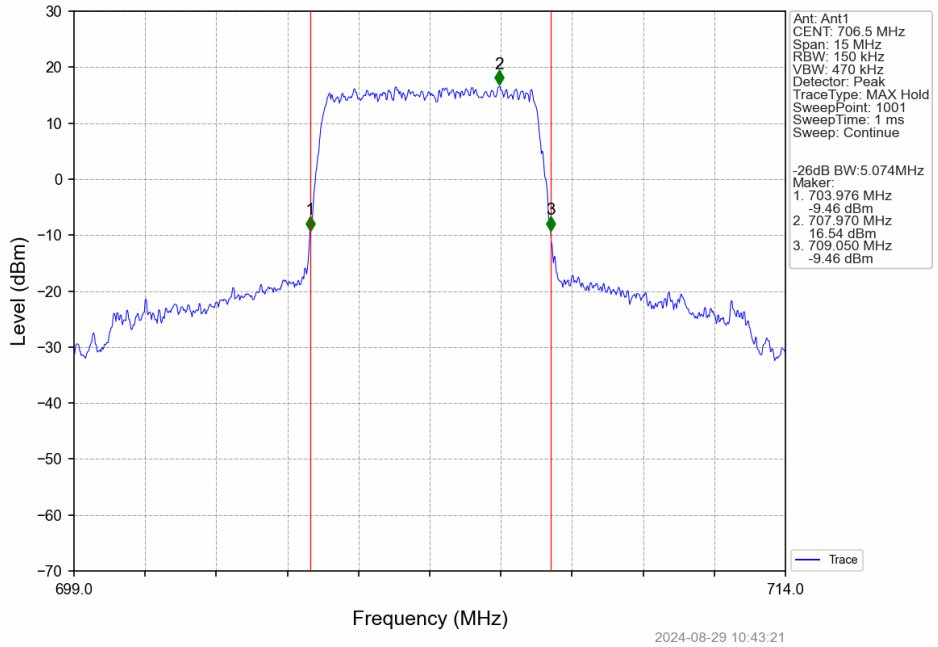
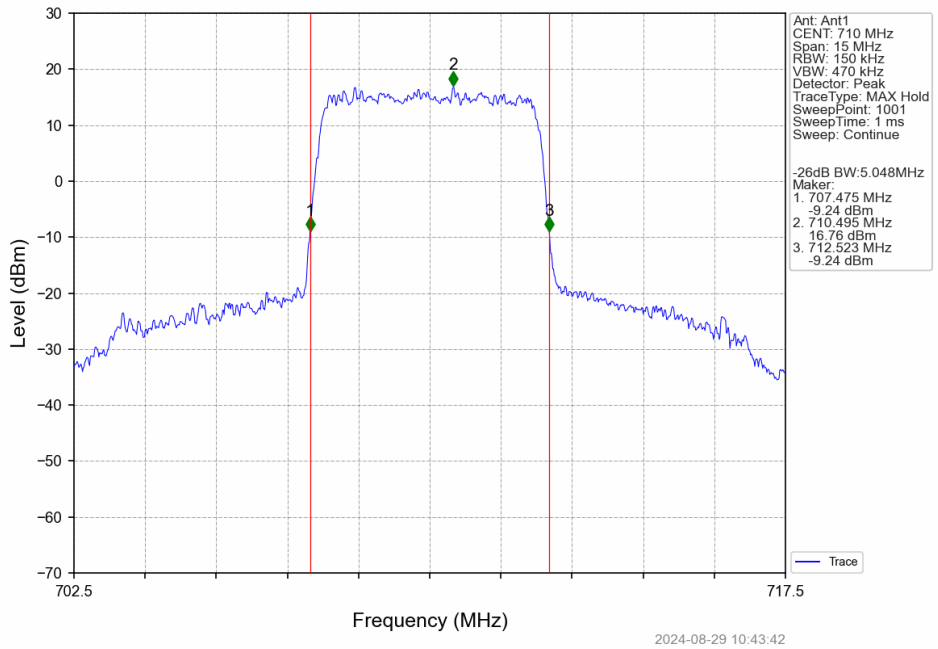
4.2.2 Band17_XDB

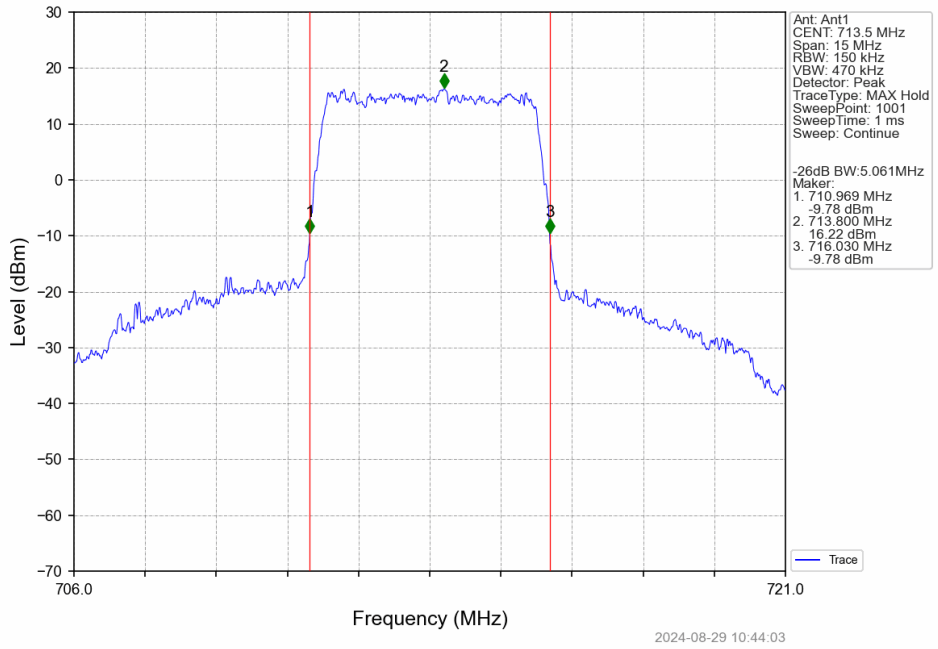
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



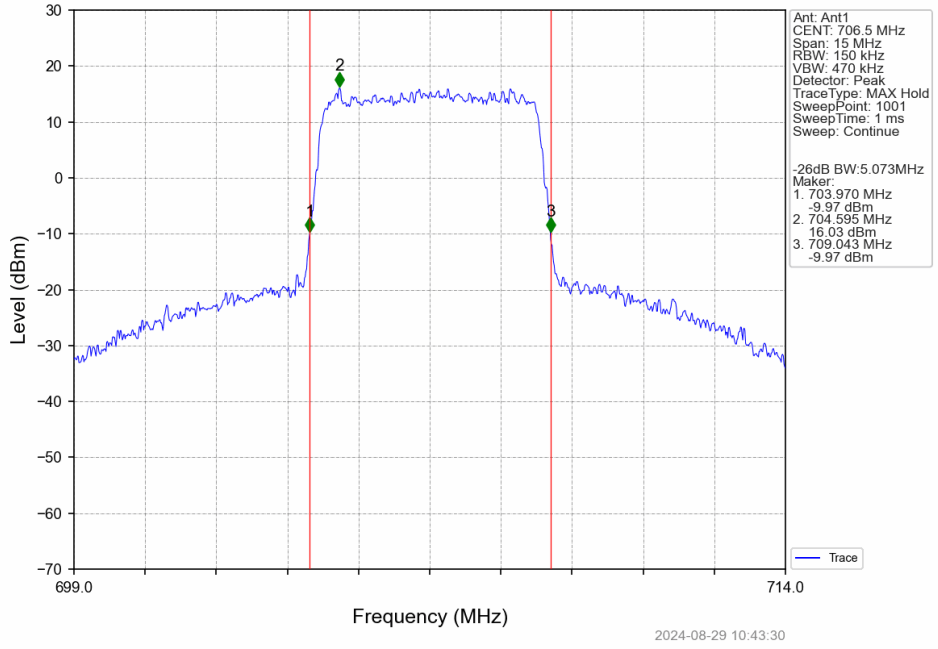
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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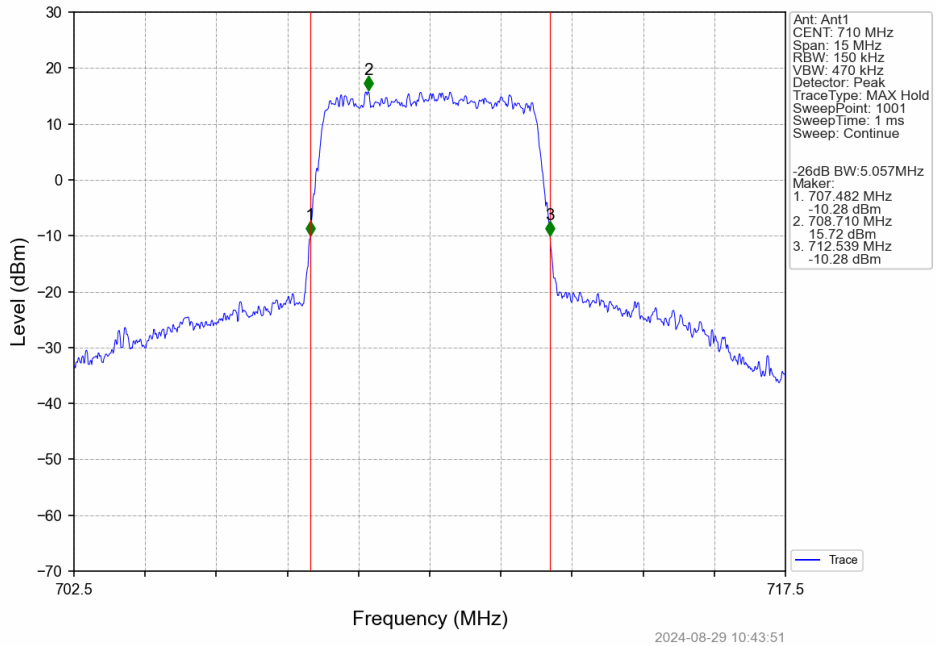
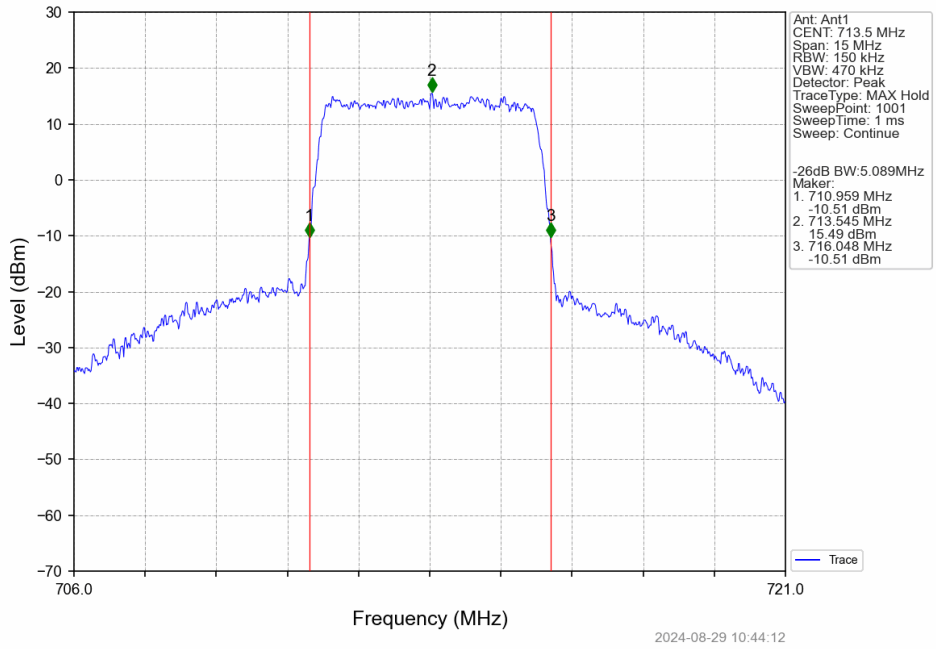
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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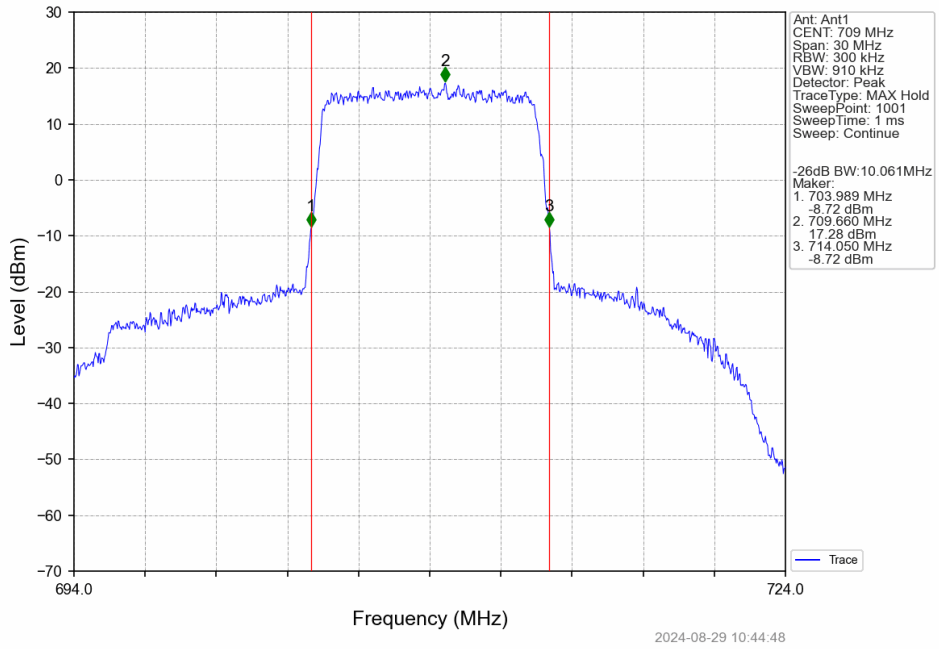
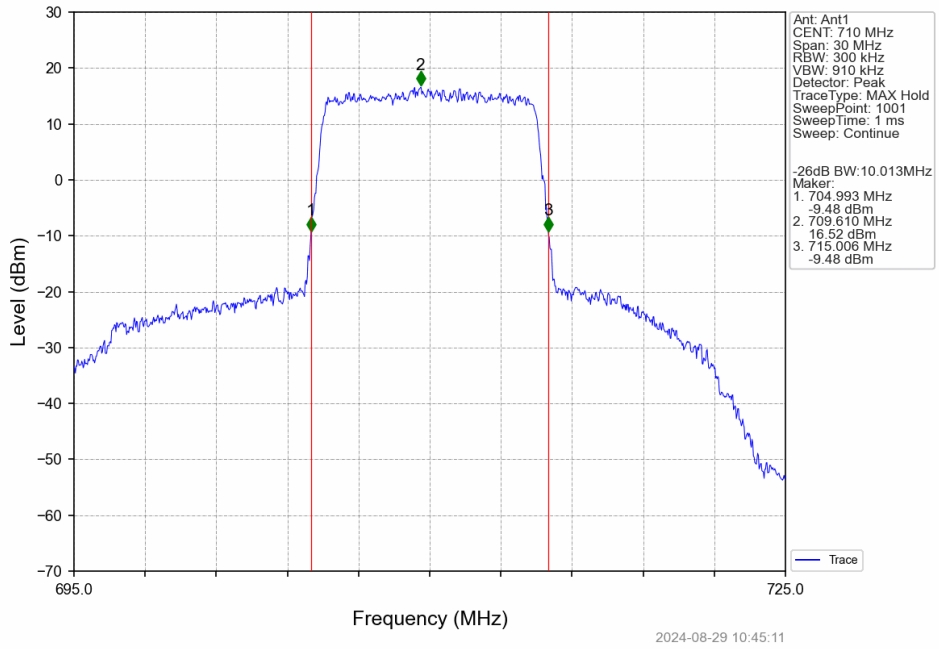
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

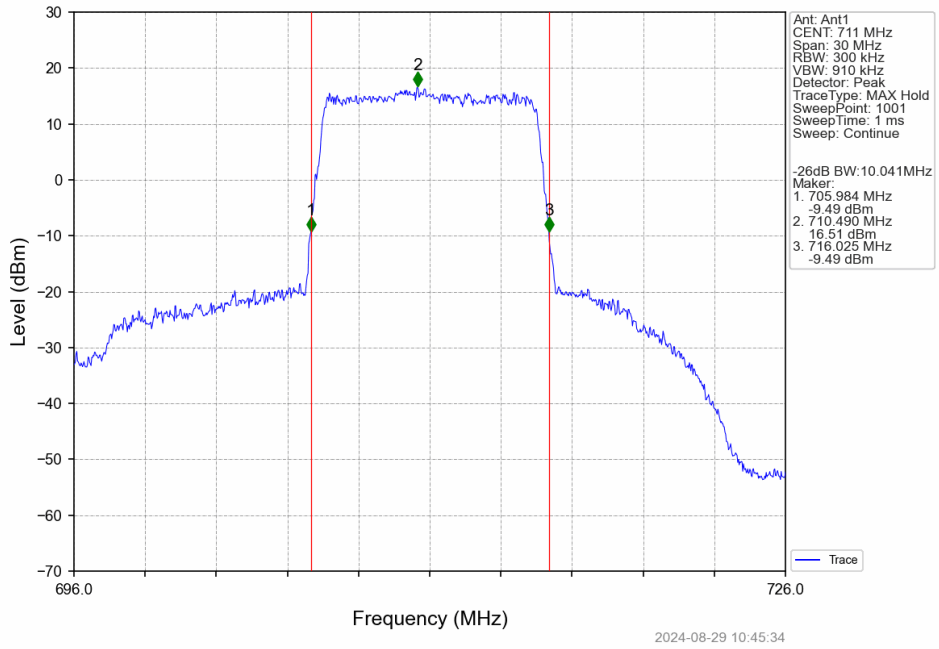


Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

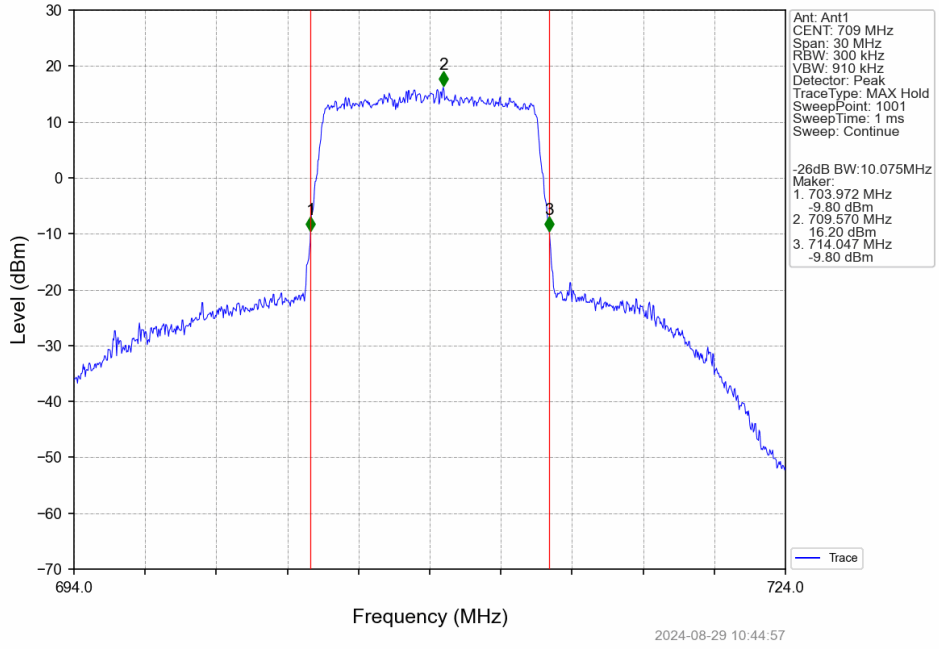


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

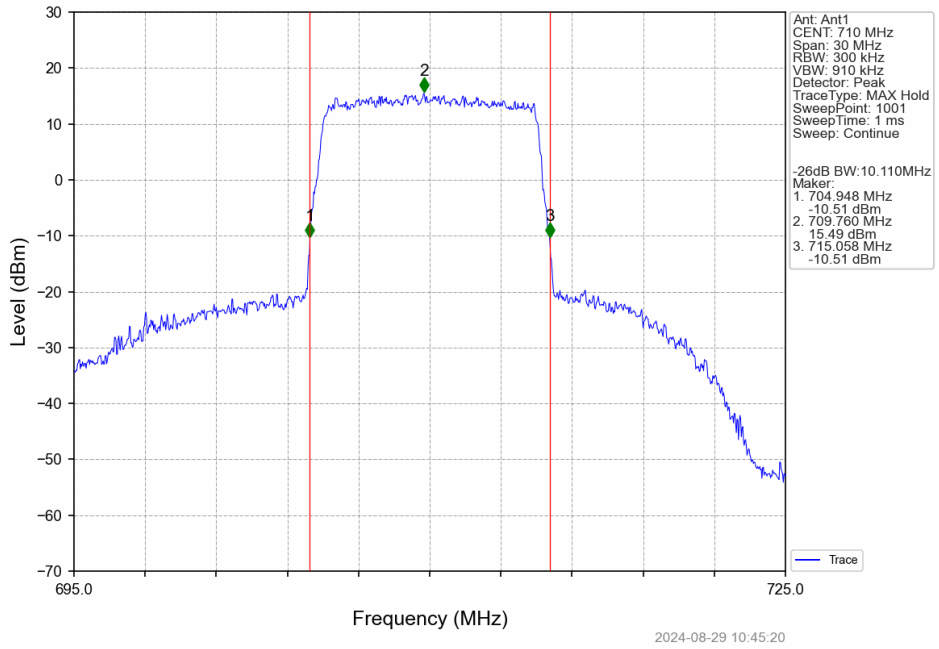


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

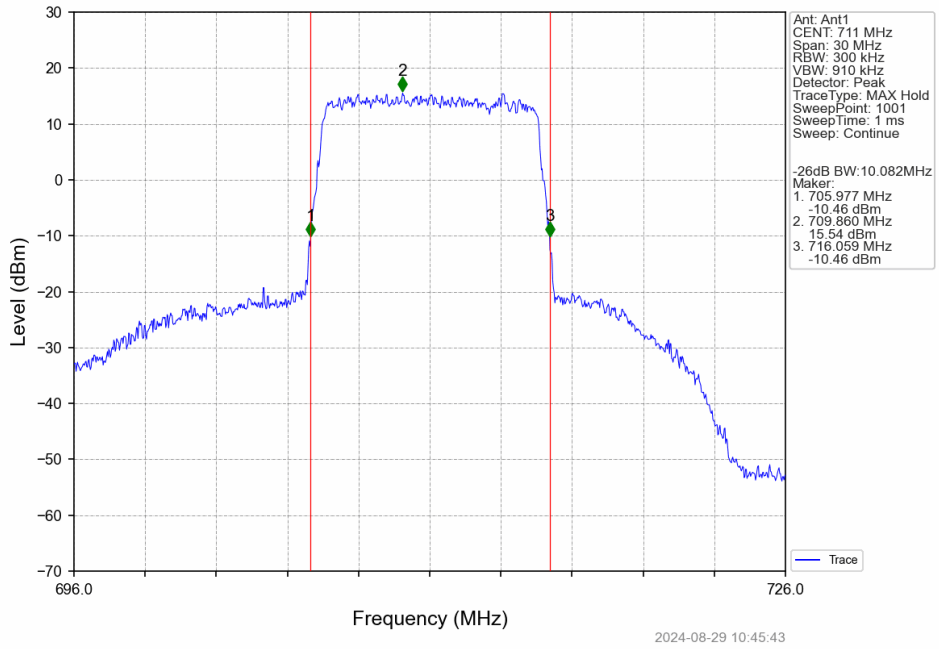


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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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	5.56	<=13	Pass
	710	25	0	5.45	<=13	Pass
	713.5	25	0	5.48	<=13	Pass
16QAM	706.5	25	0	6.34	<=13	Pass
	710	25	0	6.14	<=13	Pass
	713.5	25	0	6.22	<=13	Pass

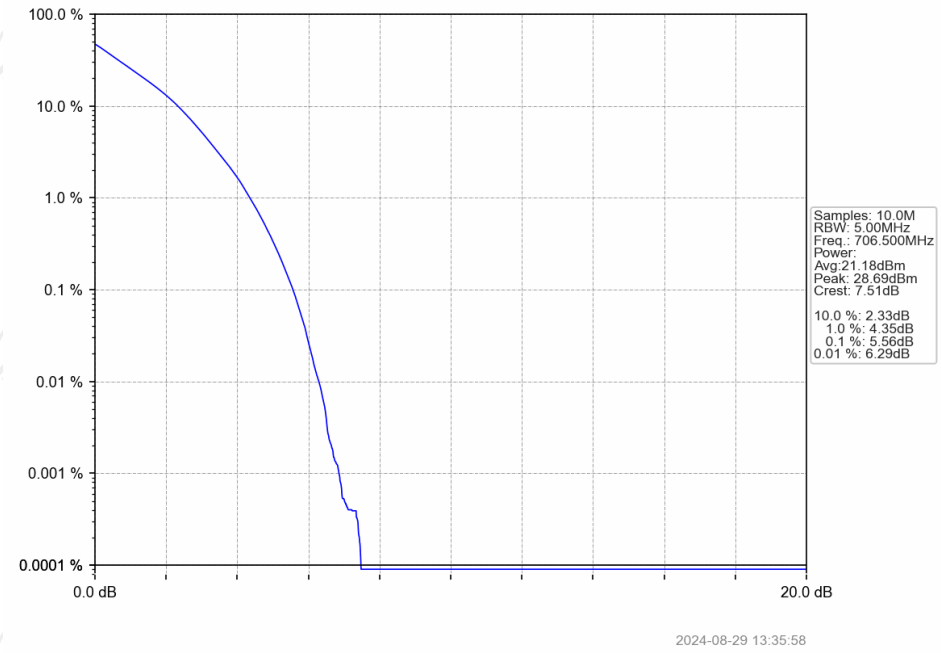
5.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.47	<=13	Pass
	710	50	0	5.43	<=13	Pass
	711	50	0	5.48	<=13	Pass
16QAM	709	50	0	6.23	<=13	Pass
	710	50	0	6.24	<=13	Pass
	711	50	0	6.22	<=13	Pass

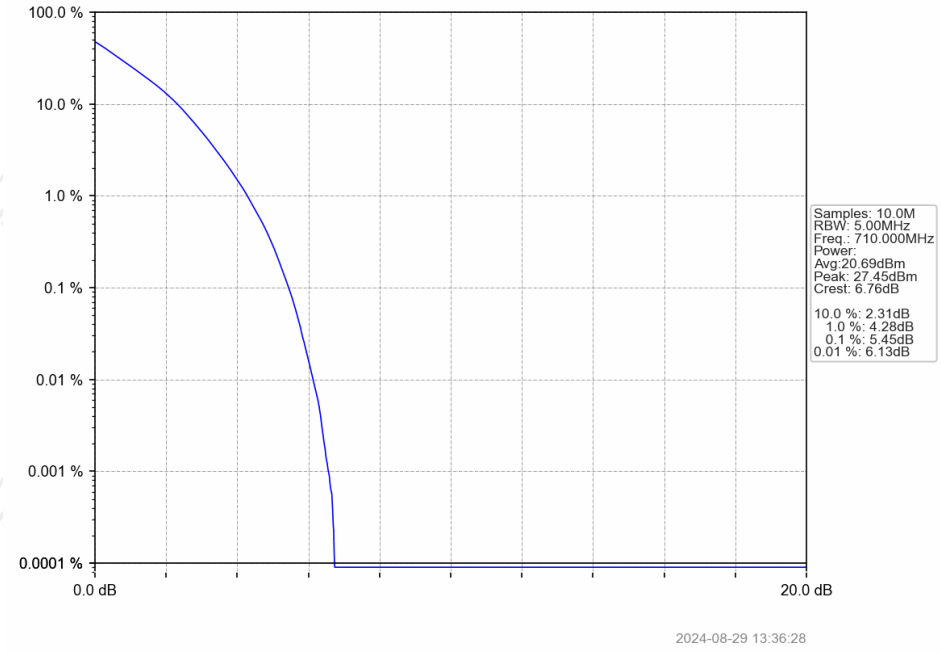
5.2 Test Graph

5.2.1 B17_5MHz

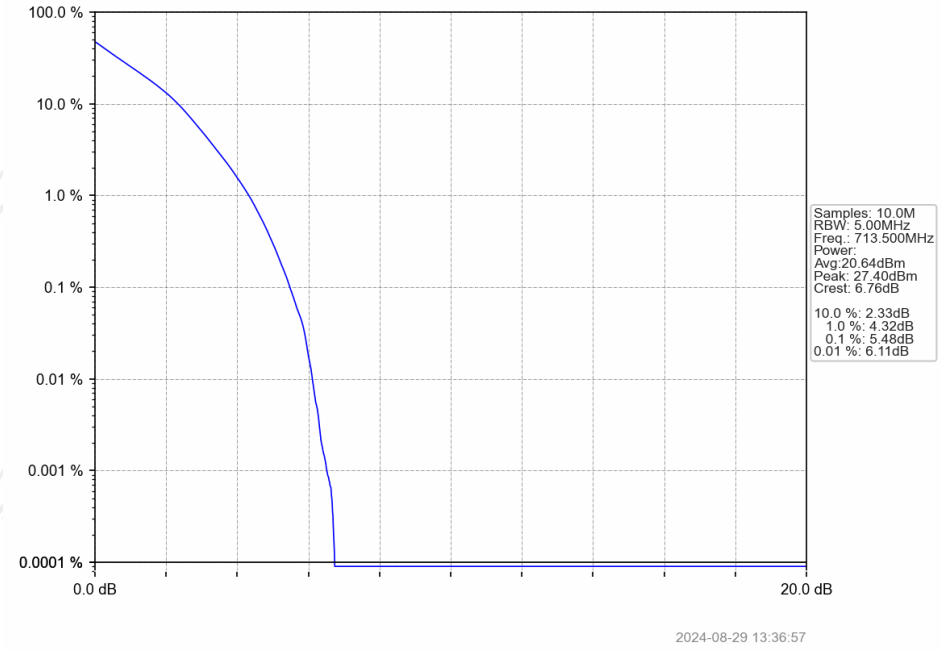
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



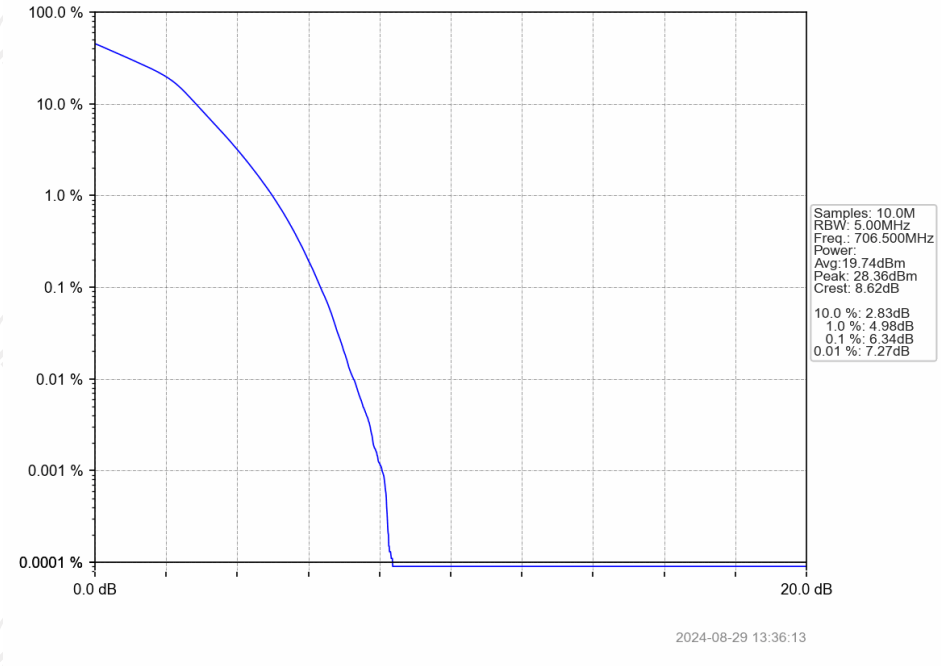
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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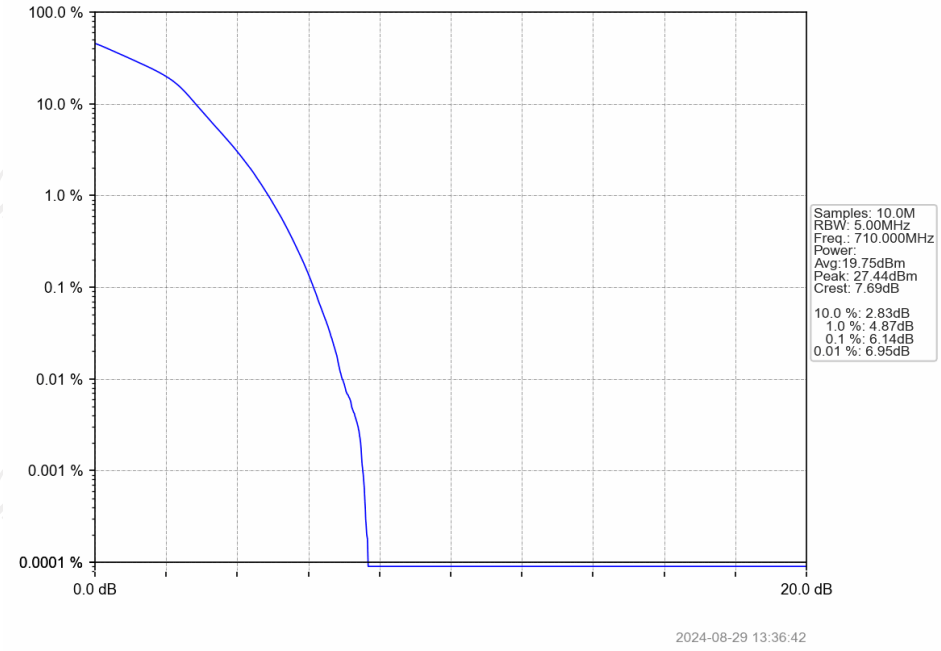
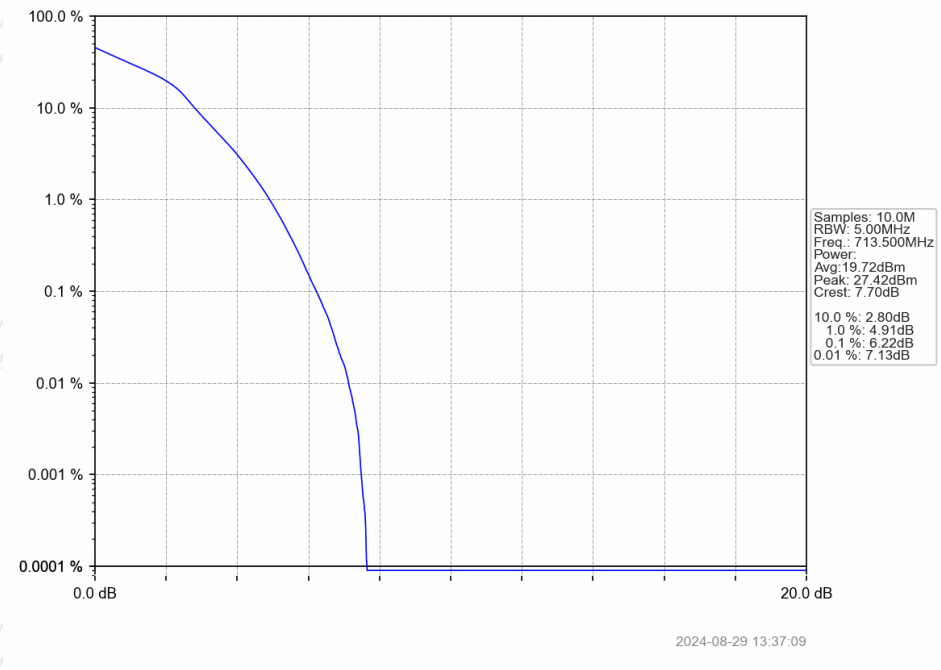
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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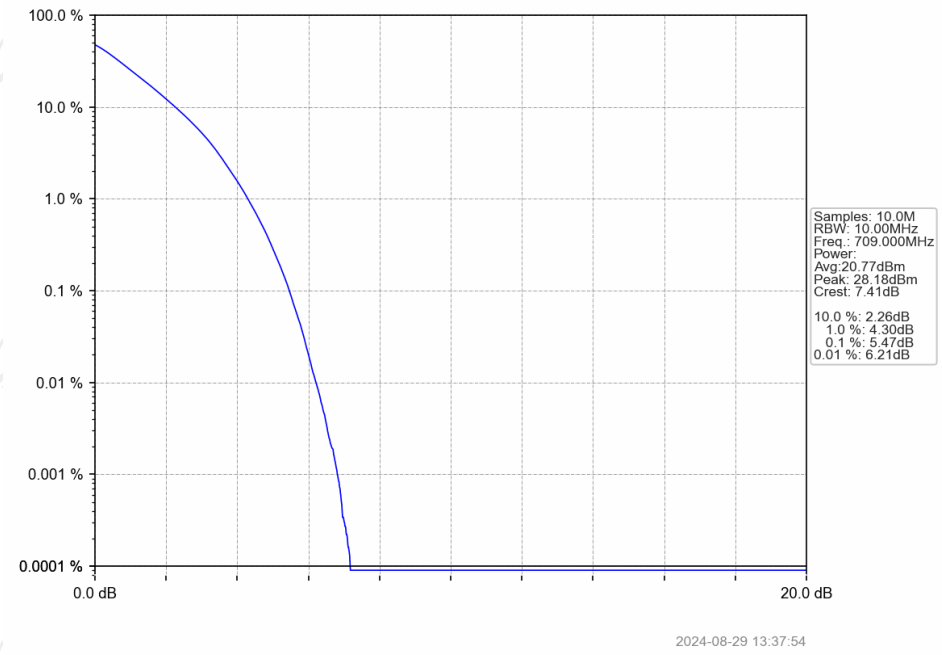
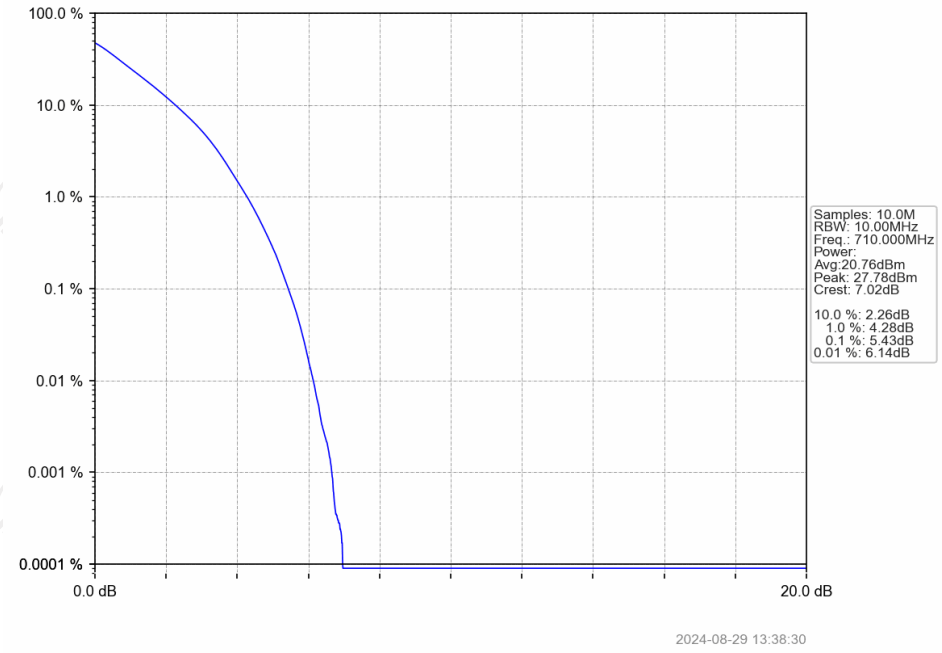
5.2.2 B17_10MHz

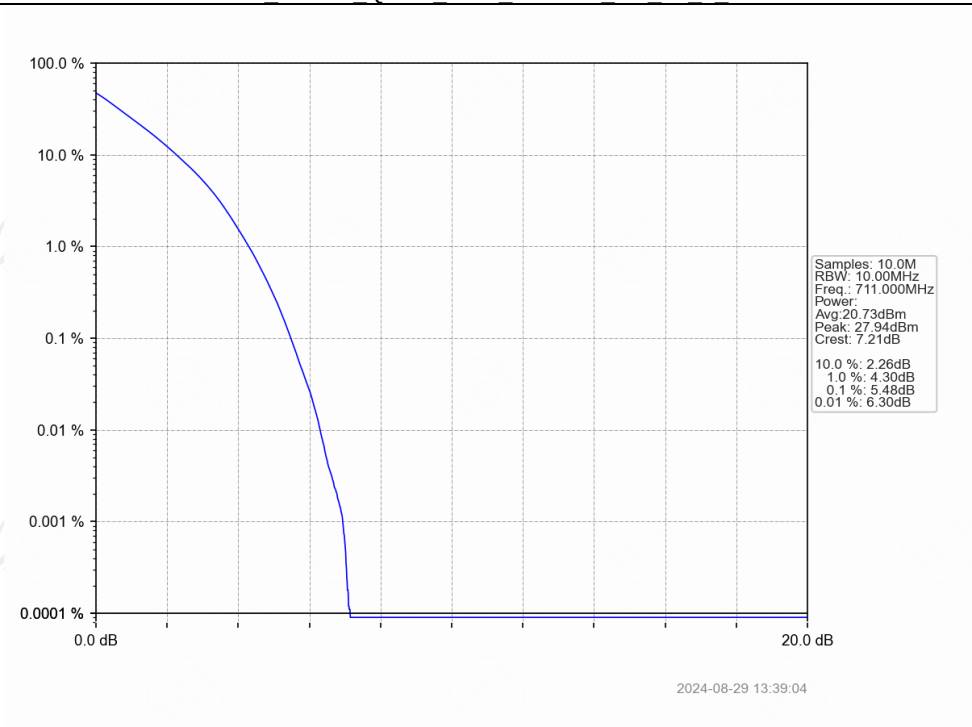
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



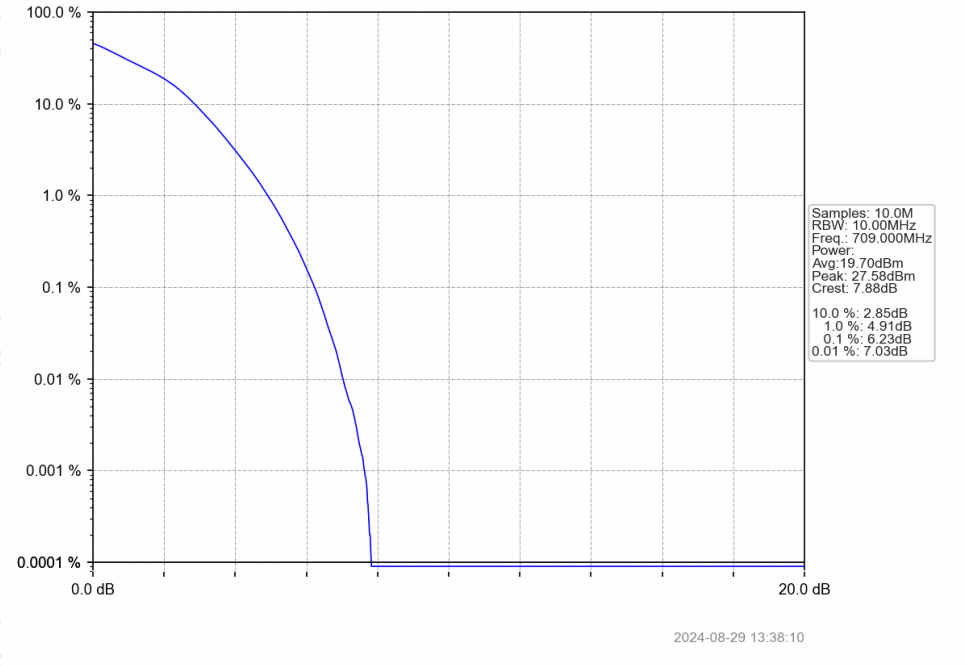
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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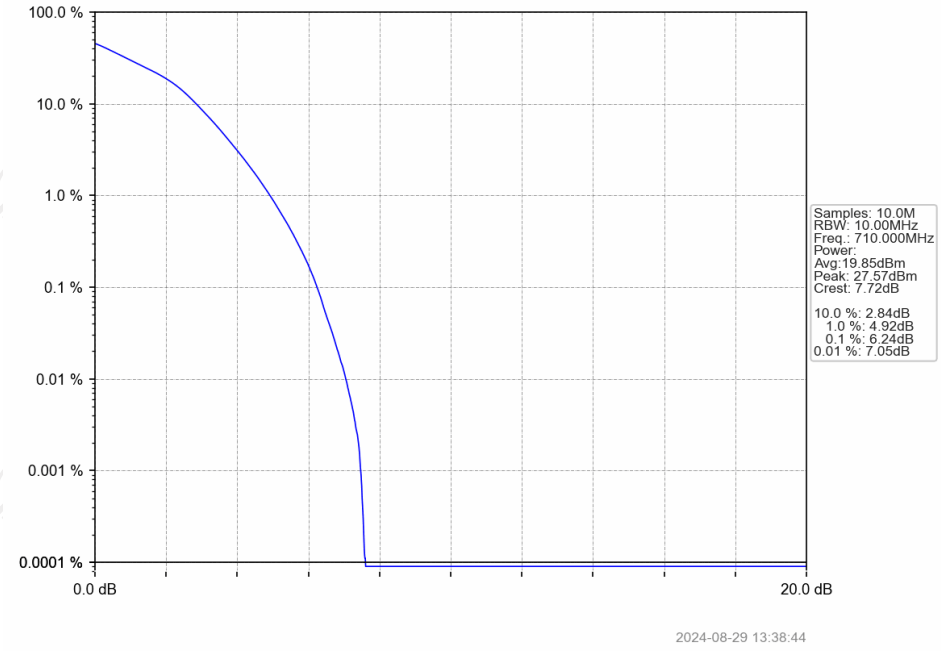
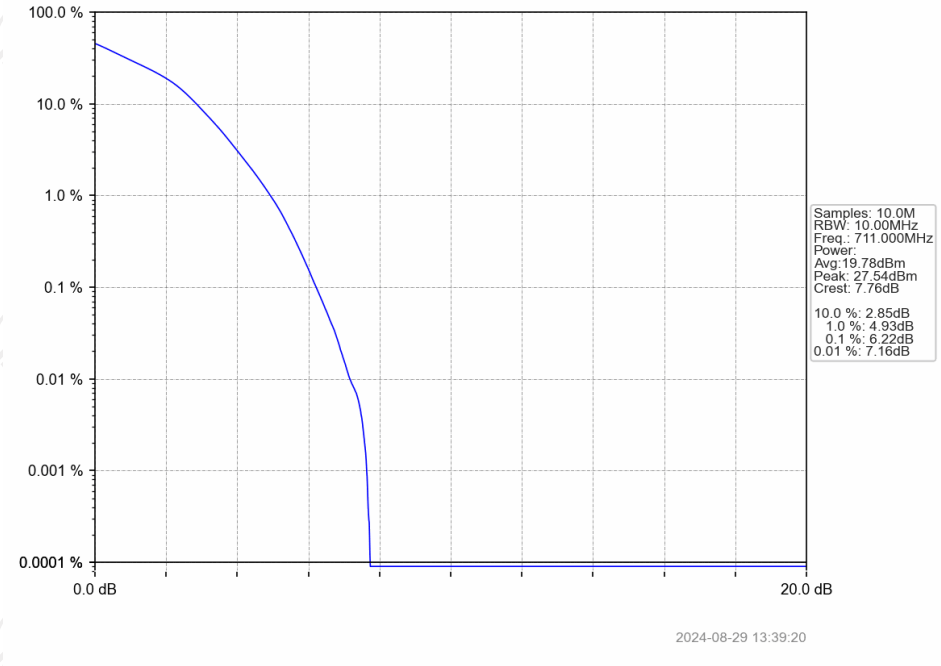
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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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
	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

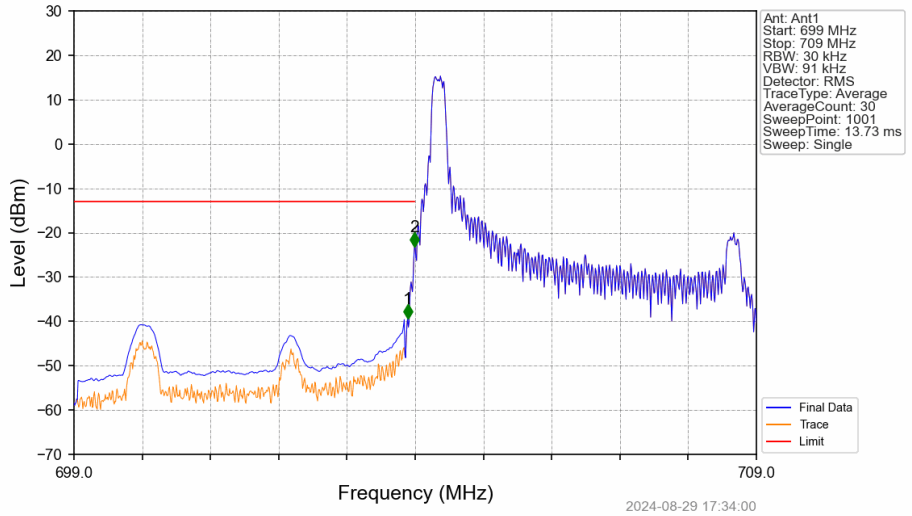
6.1.2 B17_10MHz

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

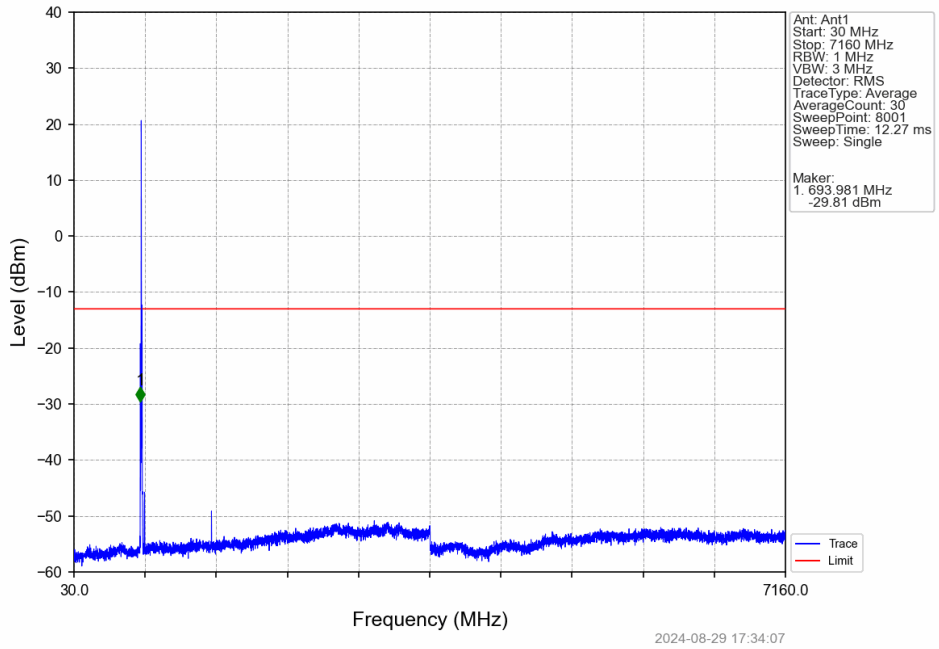
6.2.1 B17_5MHz

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

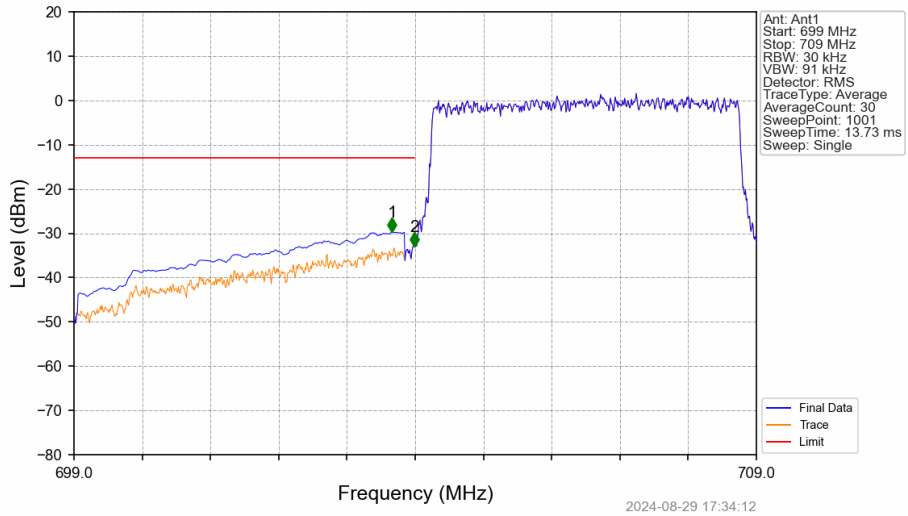


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.890	-39.26	-13	Pass
703.9	704	0.03	/	2	703.990	-23.07	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

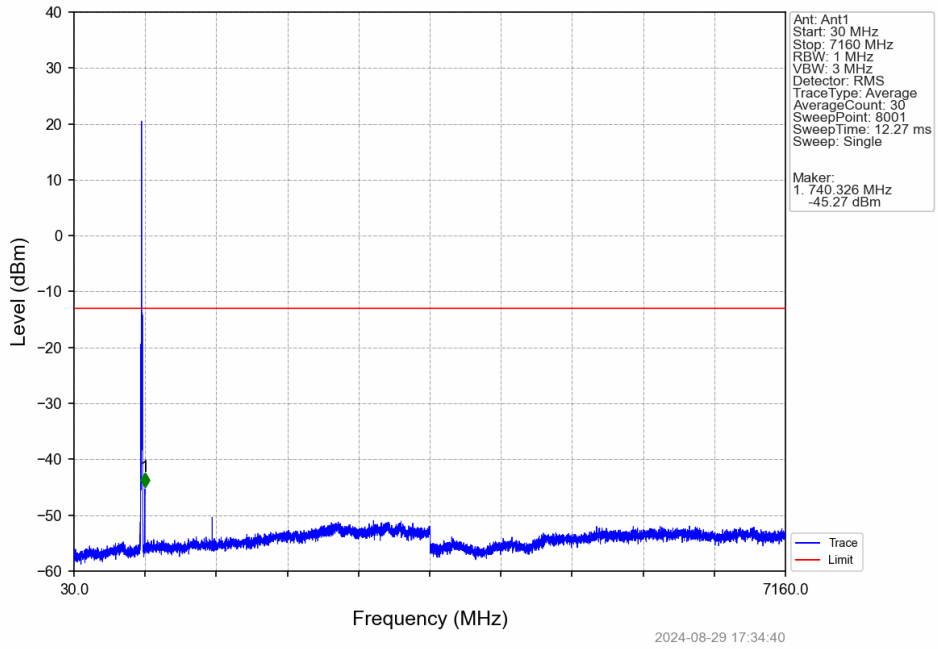


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

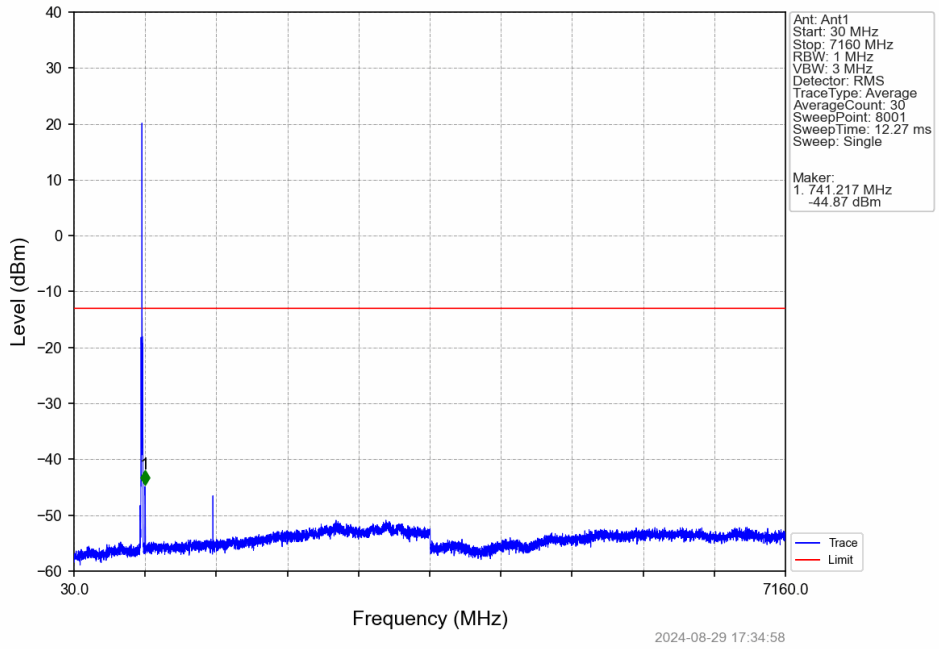


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.660	-29.73	-13	Pass
703.9	704	0.03	/	2	703.990	-32.88	-13	Pass
704	709	0.03	/	/	/	/	/	/

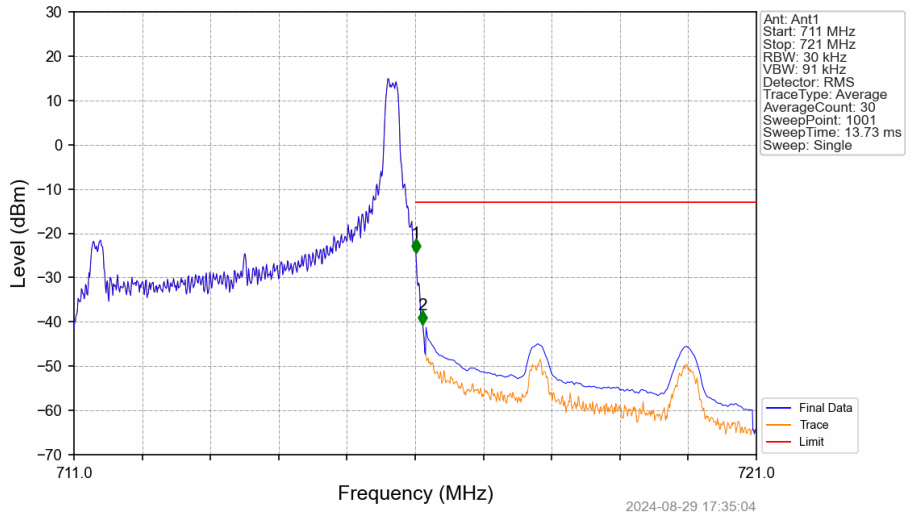
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

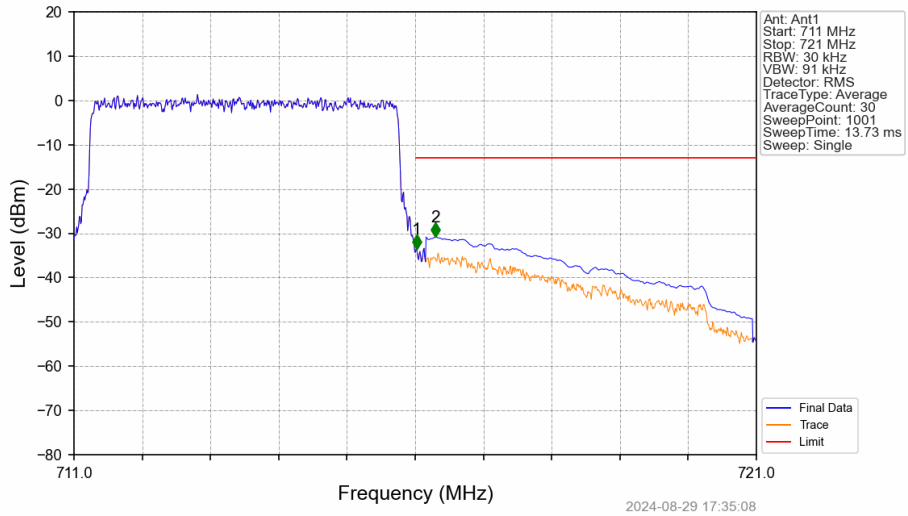


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



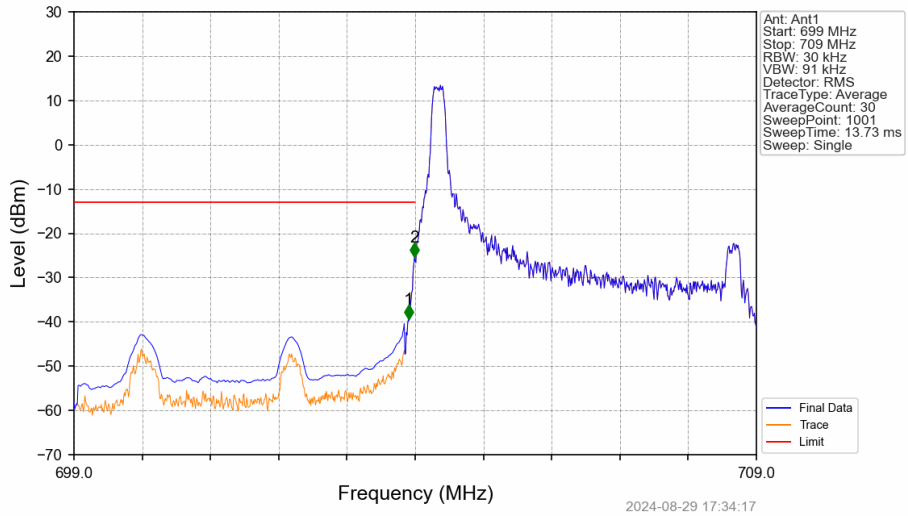
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-24.41	-13	Pass
716.1	721	0.1	CHP	2	716.110	-40.55	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



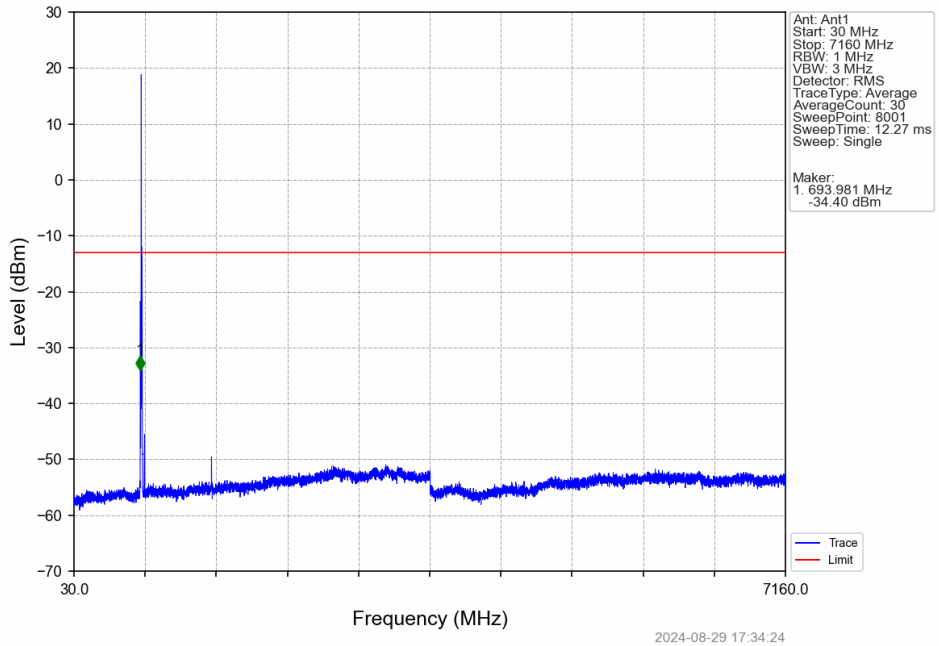
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-33.53	-13	Pass
716.1	721	0.1	CHP	2	716.300	-30.80	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

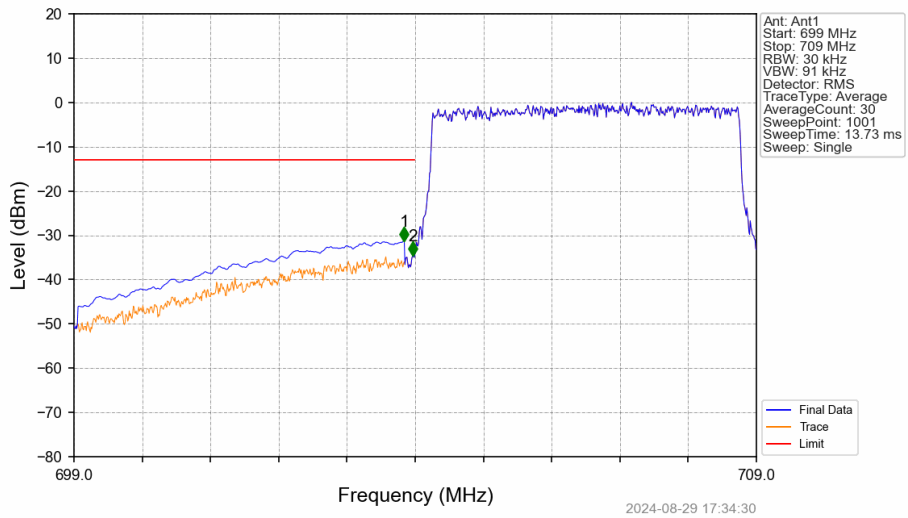


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.900	-39.42	-13	Pass
703.9	704	0.03	/	2	703.990	-25.41	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

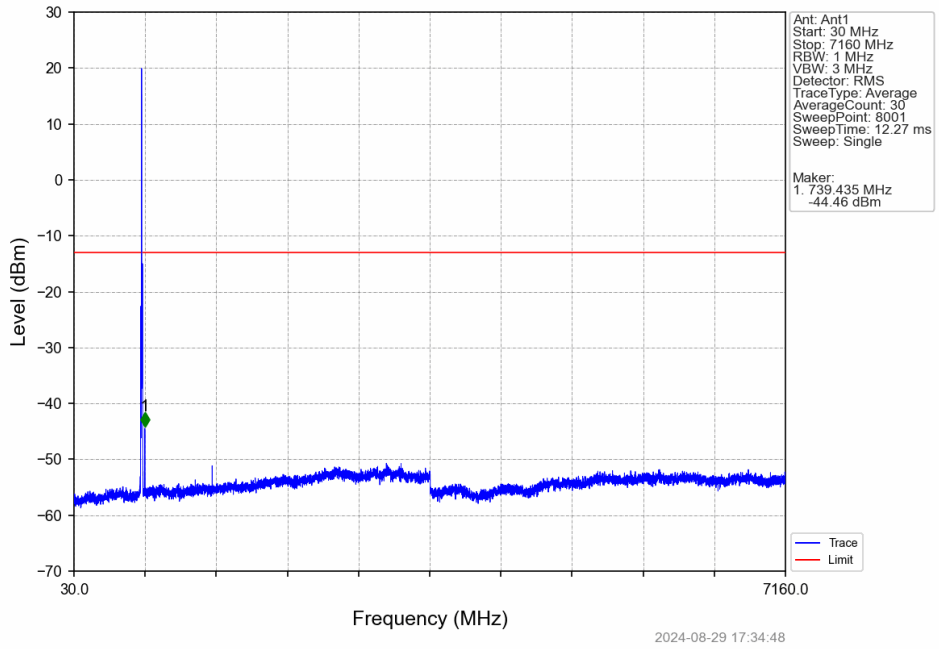


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

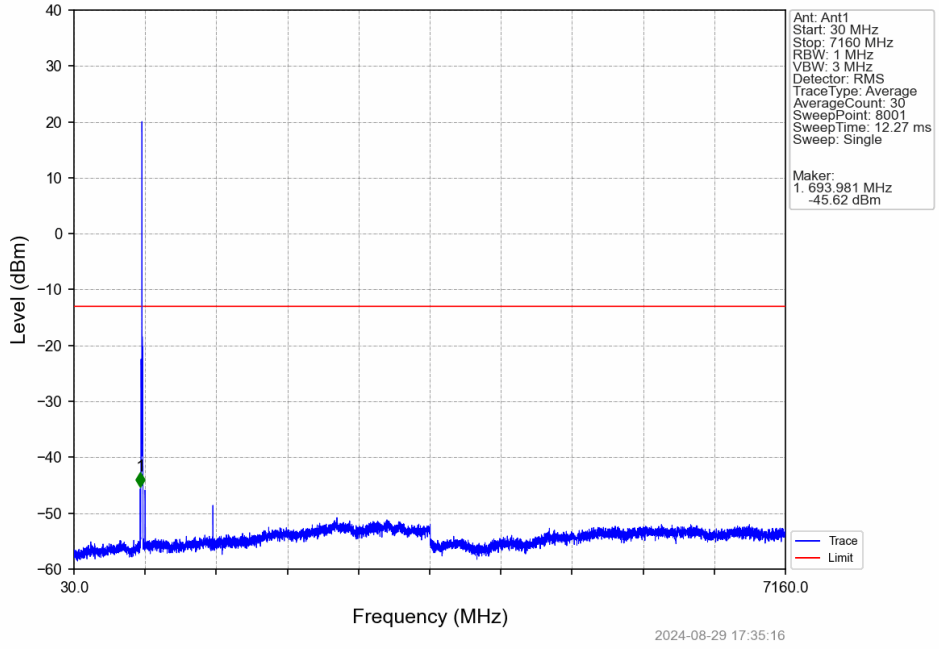


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-31.25	-13	Pass
703.9	704	0.03	/	2	703.970	-34.61	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



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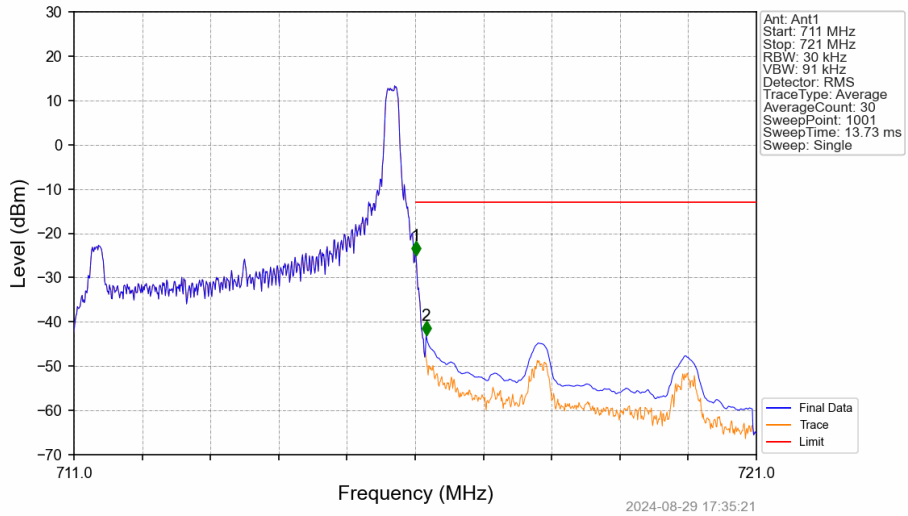
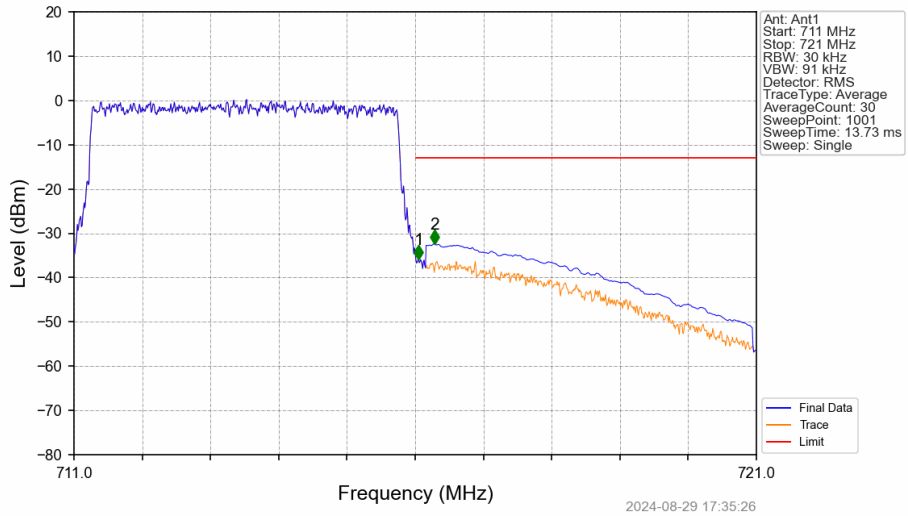
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-24.90	-13	Pass
716.1	721	0.1	CHP	2	716.160	-43.01	-13	Pass

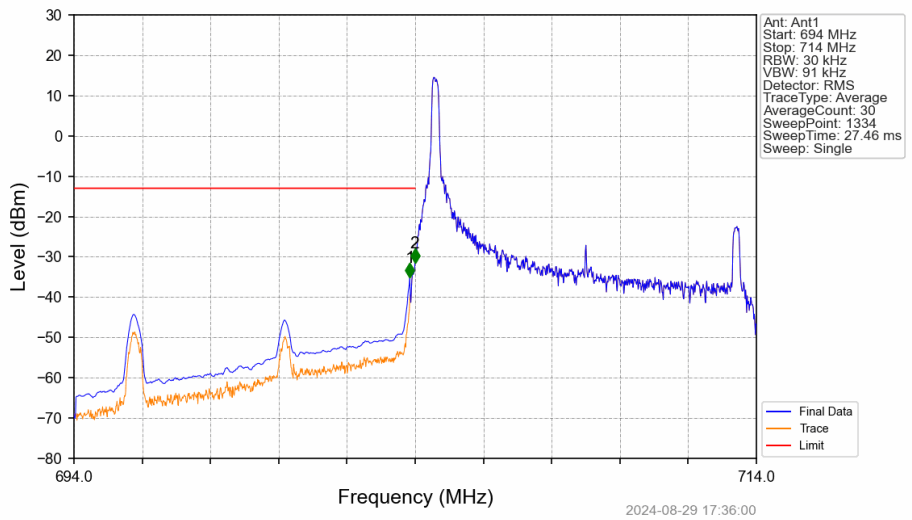
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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	716.050	-35.89	-13	Pass
716.1	721	0.1	CHP	2	716.280	-32.41	-13	Pass

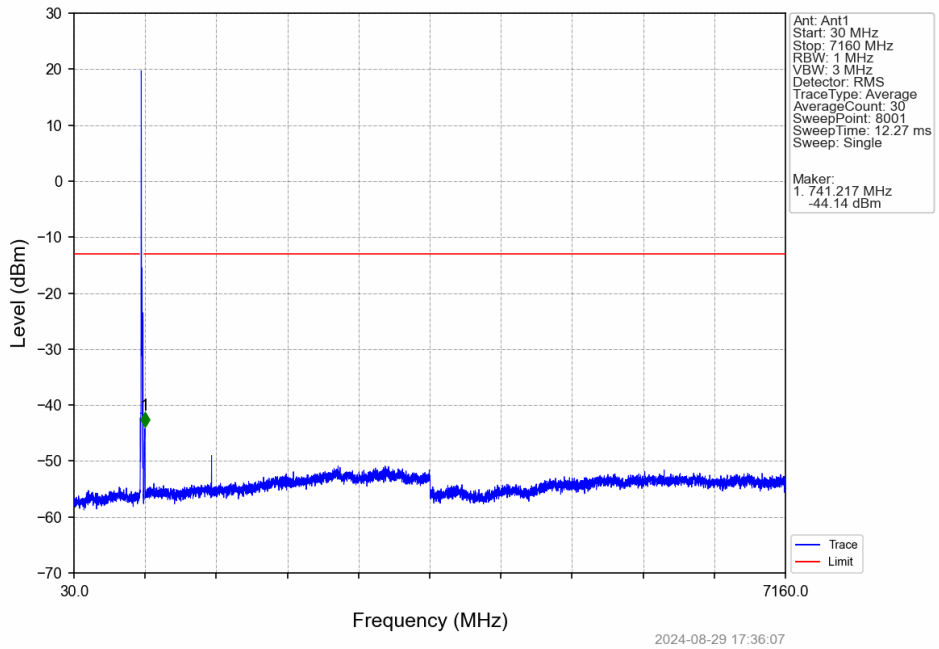
6.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

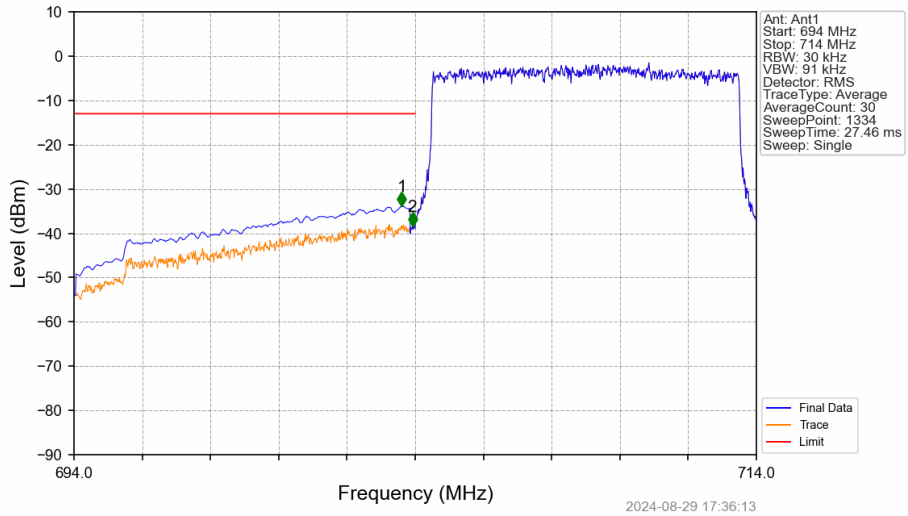


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.13	-13	Pass
703.9	704	0.03	/	2	703.992	-31.54	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

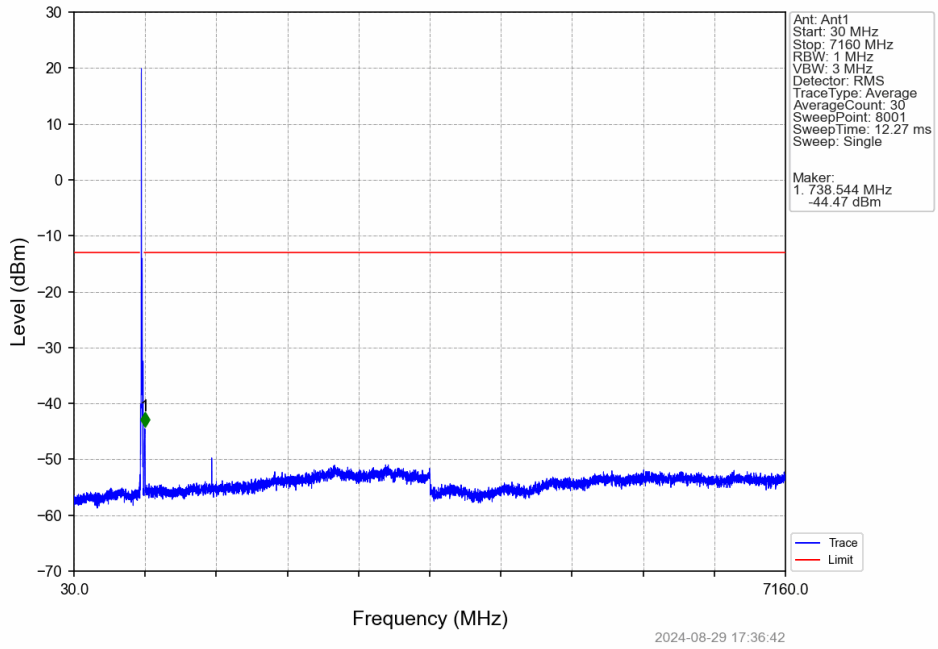


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

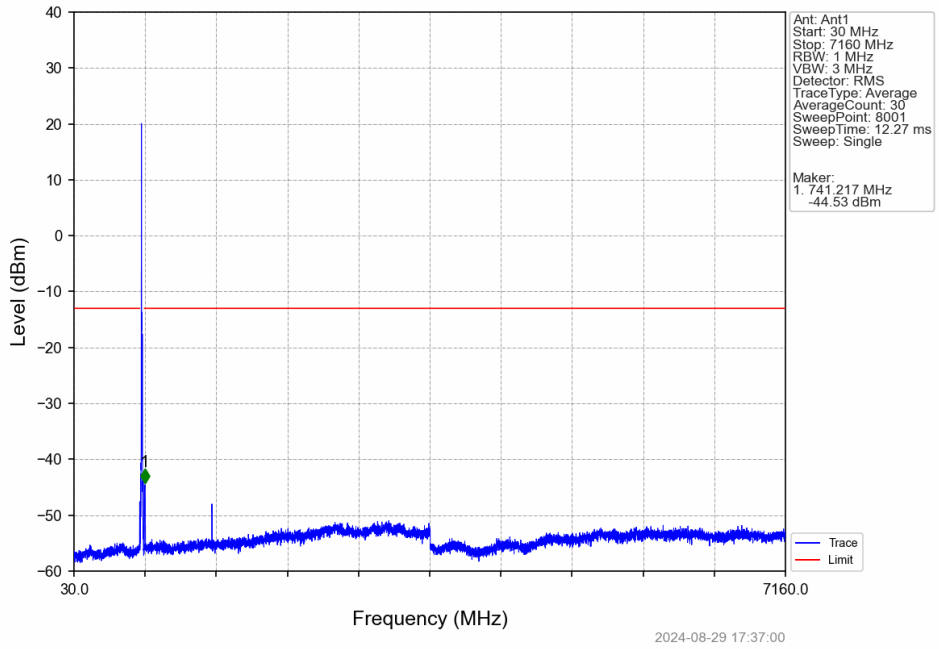


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.602	-33.89	-13	Pass
703.9	704	0.03	/	2	703.917	-38.43	-13	Pass
704	714	0.03	/	/	/	/	/	/

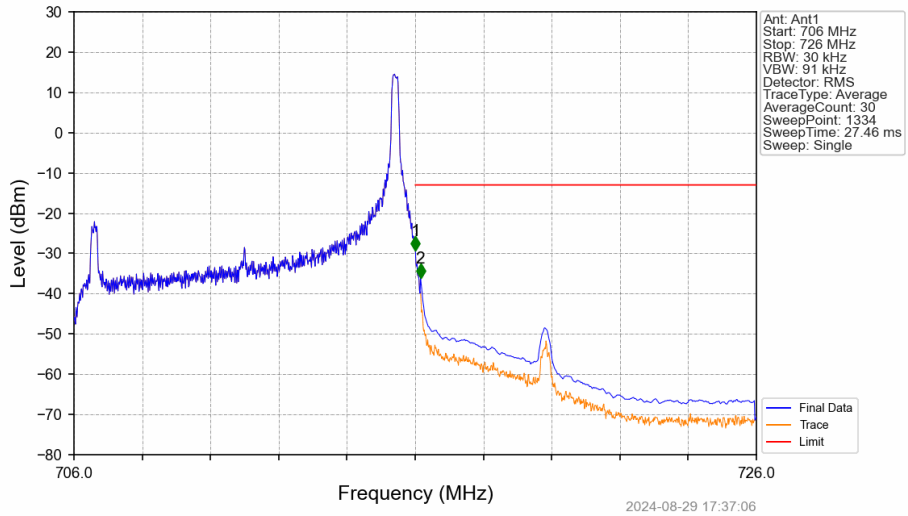
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

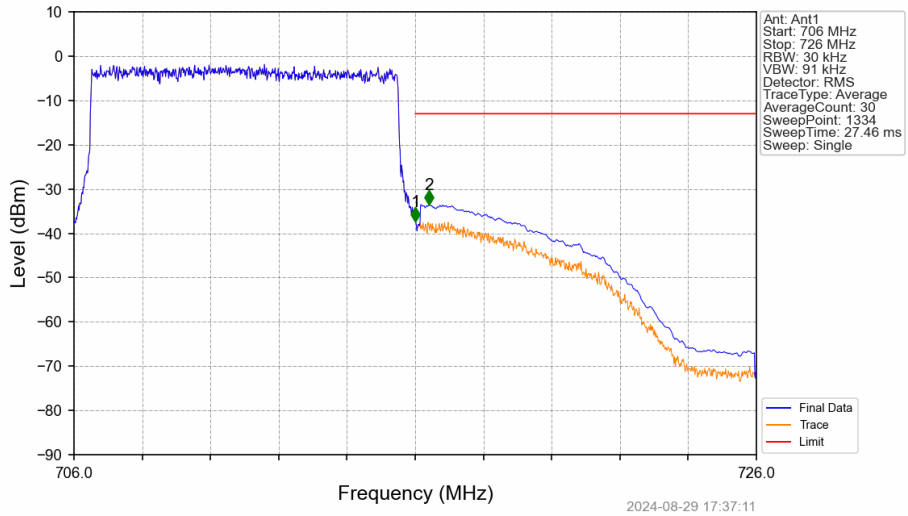


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



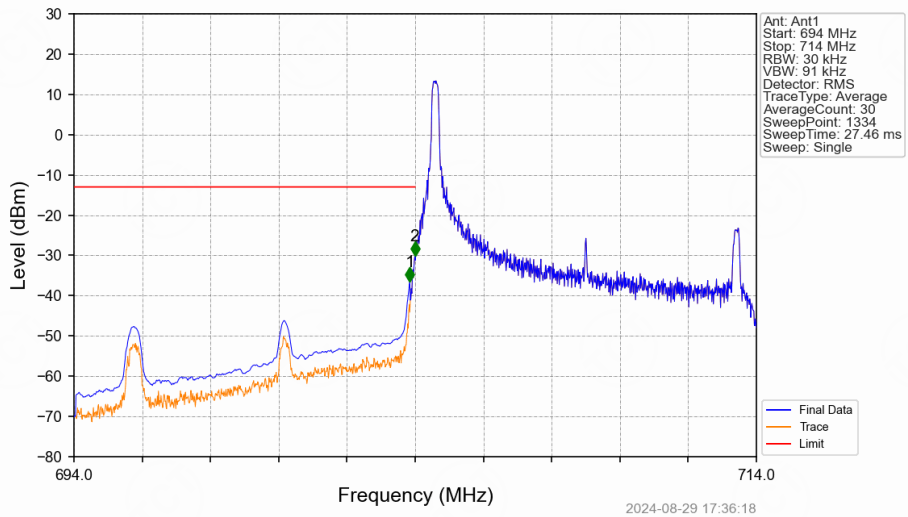
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-29.25	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.00	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



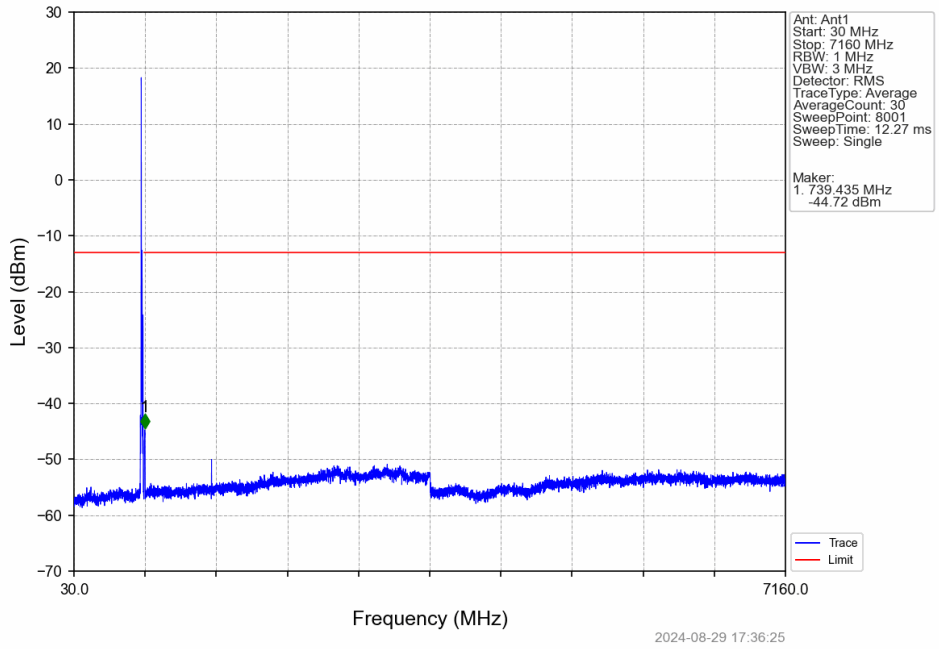
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-37.31	-13	Pass
716.1	726	0.1	CHP	2	716.413	-33.50	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

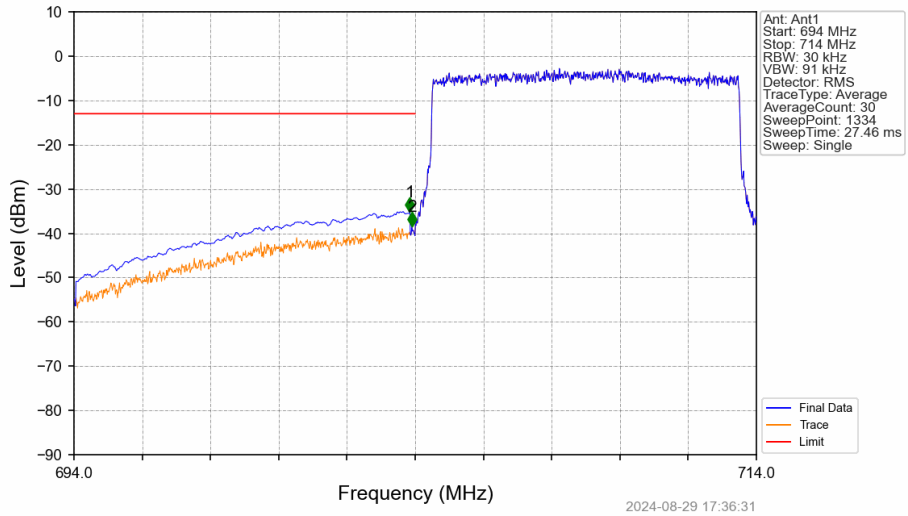


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-36.49	-13	Pass
703.9	704	0.03	/	2	703.992	-29.98	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

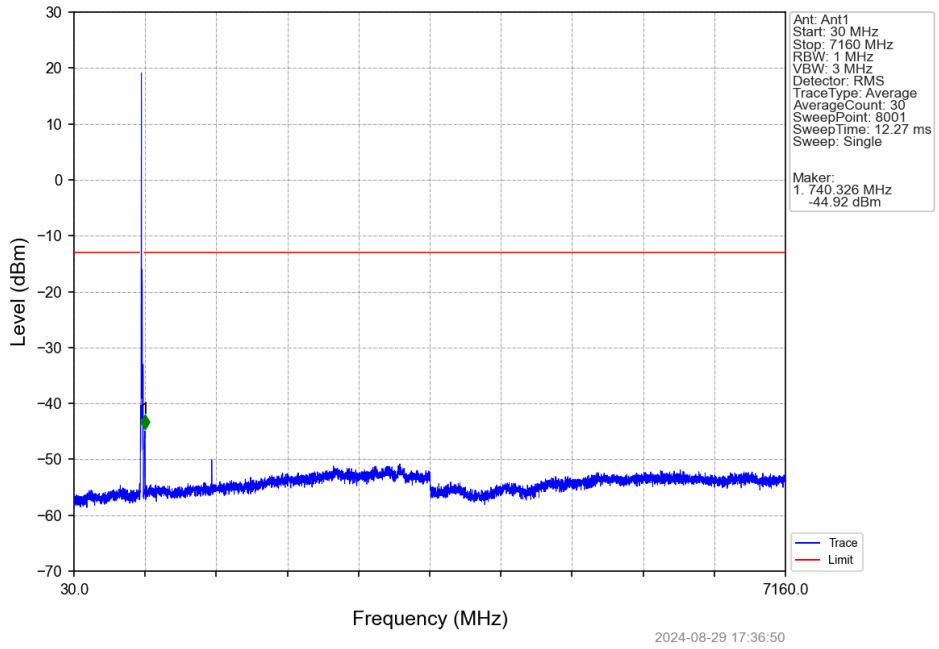


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

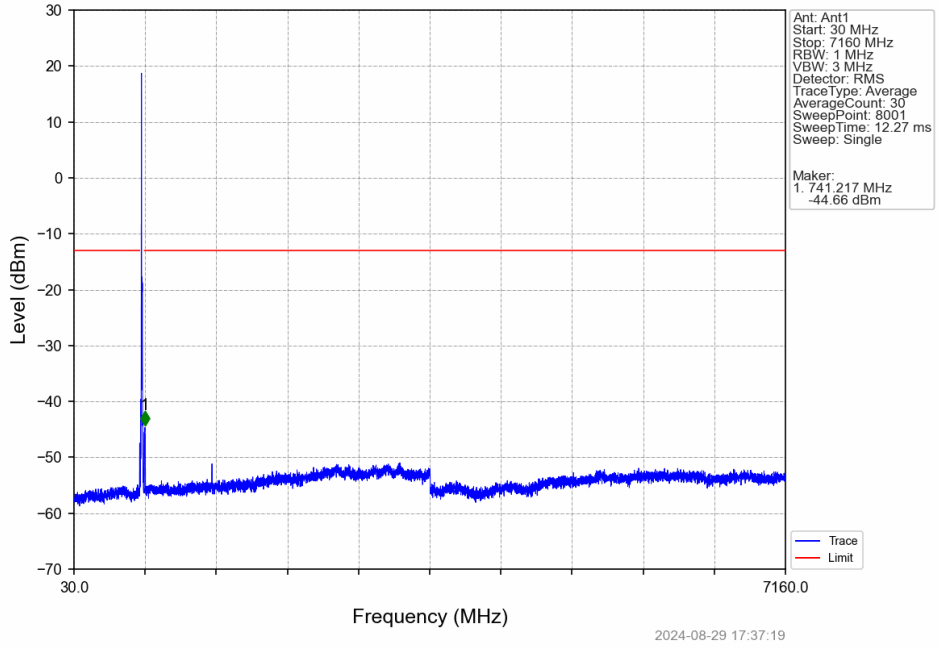


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.09	-13	Pass
703.9	704	0.03	/	2	703.902	-38.33	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



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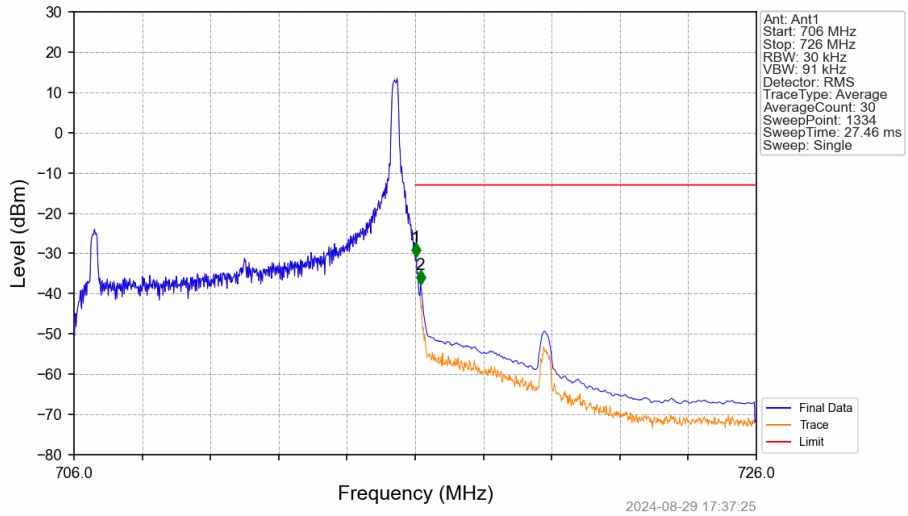
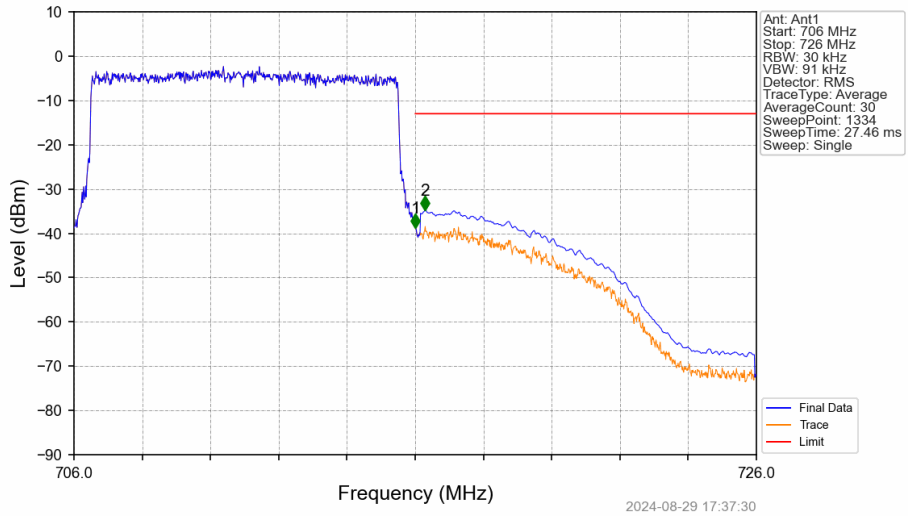
Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	-30.81	-13	Pass
716.1	726	0.1	CHP	2	716.158	-37.67	-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	-38.74	-13	Pass
716.1	726	0.1	CHP	2	716.293	-34.77	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1507	0.0012	ppm	4M57G7D	27H	21.78
17	5	706.5	713.5	0.1148	0.0014	ppm	4M57W7D	27H	20.60
17	10	709	711	0.1560	0.0015	ppm	9M05G7D	27H	21.93
17	10	709	711	0.1309	0.0019	ppm	9M09W7D	27H	21.17

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.0603	0.0012	ppm	4M57G7D	27H	17.80
17	5	706.5	713.5	0.0459	0.0014	ppm	4M57W7D	27H	16.62
17	10	709	711	0.0624	0.0015	ppm	9M05G7D	27H	17.95
17	10	709	711	0.0524	0.0019	ppm	9M09W7D	27H	17.19