

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	706.5	1	0	21.64	-2.32	17.17	<=34.77	Pass		
			13	21.68	-2.32	17.21	<=34.77	Pass		
			24	21.68	-2.32	17.21	<=34.77	Pass		
		12	0	21.20	-2.32	16.73	<=34.77	Pass		
			6	21.28	-2.32	16.81	<=34.77	Pass		
			13	21.20	-2.32	16.73	<=34.77	Pass		
		25	0	21.28	-2.32	16.81	<=34.77	Pass		
		710	1	0	21.71	-2.32	17.24	<=34.77	Pass	
				13	21.76	-2.32	17.29	<=34.77	Pass	
	24			21.73	-2.32	17.26	<=34.77	Pass		
	12		0	21.14	-2.32	16.67	<=34.77	Pass		
			6	21.25	-2.32	16.78	<=34.77	Pass		
			13	21.14	-2.32	16.67	<=34.77	Pass		
	25	0	21.22	-2.32	16.75	<=34.77	Pass			
	713.5	1	0	21.59	-2.32	17.12	<=34.77	Pass		
			13	21.55	-2.32	17.08	<=34.77	Pass		
			24	21.60	-2.32	17.13	<=34.77	Pass		
		12	0	21.16	-2.32	16.69	<=34.77	Pass		
			6	21.17	-2.32	16.70	<=34.77	Pass		
			13	21.19	-2.32	16.72	<=34.77	Pass		
		25	0	21.19	-2.32	16.72	<=34.77	Pass		
		16QAM	706.5	1	0	21.04	-2.32	16.57	<=34.77	Pass
					13	21.14	-2.32	16.67	<=34.77	Pass
	24				21.11	-2.32	16.64	<=34.77	Pass	
12	0			19.68	-2.32	15.21	<=34.77	Pass		
	6			19.74	-2.32	15.27	<=34.77	Pass		
	13			19.76	-2.32	15.29	<=34.77	Pass		
25	0			19.74	-2.32	15.27	<=34.77	Pass		
710	1			0	20.43	-2.32	15.96	<=34.77	Pass	
				13	20.45	-2.32	15.98	<=34.77	Pass	
			24	20.34	-2.32	15.87	<=34.77	Pass		
	12		0	19.66	-2.32	15.19	<=34.77	Pass		
			6	20.07	-2.32	15.60	<=34.77	Pass		
			13	19.71	-2.32	15.24	<=34.77	Pass		
25	0		20.18	-2.32	15.71	<=34.77	Pass			
713.5	1		0	21.21	-2.32	16.74	<=34.77	Pass		
			13	21.18	-2.32	16.71	<=34.77	Pass		
			24	21.28	-2.32	16.81	<=34.77	Pass		
	12		0	19.73	-2.32	15.26	<=34.77	Pass		
			6	19.74	-2.32	15.27	<=34.77	Pass		
			13	19.67	-2.32	15.20	<=34.77	Pass		
	25		0	19.77	-2.32	15.30	<=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	21.55	-2.32	17.08	<=34.77	Pass
			25	21.61	-2.32	17.14	<=34.77	Pass
			49	21.67	-2.32	17.20	<=34.77	Pass
		25	0	21.24	-2.32	16.77	<=34.77	Pass
			13	21.20	-2.32	16.73	<=34.77	Pass
			25	21.19	-2.32	16.72	<=34.77	Pass
		50	0	21.19	-2.32	16.72	<=34.77	Pass
	710	1	0	21.61	-2.32	17.14	<=34.77	Pass
			25	21.81	-2.32	17.34	<=34.77	Pass
			49	21.73	-2.32	17.26	<=34.77	Pass
		25	0	21.15	-2.32	16.68	<=34.77	Pass
			13	21.24	-2.32	16.77	<=34.77	Pass
			25	21.18	-2.32	16.71	<=34.77	Pass
		50	0	21.22	-2.32	16.75	<=34.77	Pass
	711	1	0	21.62	-2.32	17.15	<=34.77	Pass
			25	21.69	-2.32	17.22	<=34.77	Pass
			49	21.70	-2.32	17.23	<=34.77	Pass
		25	0	21.21	-2.32	16.74	<=34.77	Pass
			13	21.15	-2.32	16.68	<=34.77	Pass
			25	21.31	-2.32	16.84	<=34.77	Pass
		50	0	21.10	-2.32	16.63	<=34.77	Pass
16QAM	709	1	0	20.84	-2.32	16.37	<=34.77	Pass
			25	20.93	-2.32	16.46	<=34.77	Pass
			49	20.90	-2.32	16.43	<=34.77	Pass
		25	0	19.71	-2.32	15.24	<=34.77	Pass
			13	19.94	-2.32	15.47	<=34.77	Pass
			25	19.93	-2.32	15.46	<=34.77	Pass
		50	0	19.78	-2.32	15.31	<=34.77	Pass
	710	1	0	21.38	-2.32	16.91	<=34.77	Pass
			25	21.40	-2.32	16.93	<=34.77	Pass
			49	21.34	-2.32	16.87	<=34.77	Pass
		25	0	19.73	-2.32	15.26	<=34.77	Pass
			13	20.23	-2.32	15.76	<=34.77	Pass
			25	19.81	-2.32	15.34	<=34.77	Pass
		50	0	20.20	-2.32	15.73	<=34.77	Pass
	711	1	0	21.20	-2.32	16.73	<=34.77	Pass
			25	21.28	-2.32	16.81	<=34.77	Pass
			49	21.39	-2.32	16.92	<=34.77	Pass
		25	0	19.69	-2.32	15.22	<=34.77	Pass
			13	20.12	-2.32	15.65	<=34.77	Pass
			25	19.74	-2.32	15.27	<=34.77	Pass
		50	0	20.10	-2.32	15.63	<=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	37.208	0.0527	-2.5 to 2.5	Pass

					3.85	5.994	0.0085	-2.5 to 2.5	Pass
					4.43	-11.301	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-28.396	-0.0402	-2.5 to 2.5	Pass
				-10	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-27.108	-0.0384	-2.5 to 2.5	Pass
				10	3.85	-7.210	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-9.041	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-9.999	-0.0142	-2.5 to 2.5	Pass
	710	25	0	20	3.27	13.332	0.0188	-2.5 to 2.5	Pass
					3.85	-3.719	-0.0052	-2.5 to 2.5	Pass
					4.43	-38.824	-0.0547	-2.5 to 2.5	Pass
				-30	3.85	-9.069	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-31.185	-0.0439	-2.5 to 2.5	Pass
				-10	3.85	-40.355	-0.0568	-2.5 to 2.5	Pass
				0	3.85	-45.476	-0.0641	-2.5 to 2.5	Pass
				10	3.85	-44.818	-0.0631	-2.5 to 2.5	Pass
				30	3.85	-4.821	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-13.175	-0.0186	-2.5 to 2.5	Pass
	50	3.85	-16.794	-0.0237	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	18.926	0.0265	-2.5 to 2.5	Pass
					3.85	2.375	0.0033	-2.5 to 2.5	Pass
					4.43	-21.501	-0.0301	-2.5 to 2.5	Pass
				-30	3.85	-45.605	-0.0639	-2.5 to 2.5	Pass
				-20	3.85	-9.112	-0.0128	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0026	-2.5 to 2.5	Pass
				0	3.85	6.695	0.0094	-2.5 to 2.5	Pass
				10	3.85	7.267	0.0102	-2.5 to 2.5	Pass
				30	3.85	3.862	0.0054	-2.5 to 2.5	Pass
				40	3.85	-12.274	-0.0172	-2.5 to 2.5	Pass
50	3.85	-22.588	-0.0317	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	-20.585	-0.0291	-2.5 to 2.5	Pass
					3.85	8.311	0.0118	-2.5 to 2.5	Pass
					4.43	15.521	0.0220	-2.5 to 2.5	Pass
				-30	3.85	30.413	0.0430	-2.5 to 2.5	Pass
				-20	3.85	26.436	0.0374	-2.5 to 2.5	Pass
				-10	3.85	28.911	0.0409	-2.5 to 2.5	Pass
				0	3.85	32.601	0.0461	-2.5 to 2.5	Pass
				10	3.85	31.729	0.0449	-2.5 to 2.5	Pass
				30	3.85	32.487	0.0460	-2.5 to 2.5	Pass
				40	3.85	27.223	0.0385	-2.5 to 2.5	Pass
	50	3.85	29.025	0.0411	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-12.889	-0.0182	-2.5 to 2.5	Pass
					3.85	12.460	0.0175	-2.5 to 2.5	Pass
					4.43	22.259	0.0314	-2.5 to 2.5	Pass
				-30	3.85	38.052	0.0536	-2.5 to 2.5	Pass
				-20	3.85	35.534	0.0500	-2.5 to 2.5	Pass
				-10	3.85	46.835	0.0660	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0021	-2.5 to 2.5	Pass
				10	3.85	2.317	0.0033	-2.5 to 2.5	Pass
				30	3.85	15.321	0.0216	-2.5 to 2.5	Pass
				40	3.85	26.450	0.0373	-2.5 to 2.5	Pass
	50	3.85	27.938	0.0393	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-22.917	-0.0321	-2.5 to 2.5	Pass
					3.85	6.080	0.0085	-2.5 to 2.5	Pass
					4.43	23.689	0.0332	-2.5 to 2.5	Pass
				-30	3.85	40.927	0.0574	-2.5 to 2.5	Pass
				-20	3.85	6.166	0.0086	-2.5 to 2.5	Pass

				-10	3.85	5.164	0.0072	-2.5 to 2.5	Pass
				0	3.85	13.547	0.0190	-2.5 to 2.5	Pass
				10	3.85	22.588	0.0317	-2.5 to 2.5	Pass
				30	3.85	32.444	0.0455	-2.5 to 2.5	Pass
				40	3.85	34.647	0.0486	-2.5 to 2.5	Pass
				50	3.85	33.917	0.0475	-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	17.738	0.0250	-2.5 to 2.5	Pass
					3.85	-34.347	-0.0484	-2.5 to 2.5	Pass
					4.43	-17.796	-0.0251	-2.5 to 2.5	Pass
				-30	3.85	-11.358	-0.0160	-2.5 to 2.5	Pass
				-20	3.85	-17.638	-0.0249	-2.5 to 2.5	Pass
				-10	3.85	-13.847	-0.0195	-2.5 to 2.5	Pass
				0	3.85	-45.247	-0.0638	-2.5 to 2.5	Pass
				10	3.85	-19.040	-0.0269	-2.5 to 2.5	Pass
				30	3.85	-29.254	-0.0413	-2.5 to 2.5	Pass
				40	3.85	-43.259	-0.0610	-2.5 to 2.5	Pass
				50	3.85	-23.403	-0.0330	-2.5 to 2.5	Pass
	710	50	0	20	3.27	33.975	0.0479	-2.5 to 2.5	Pass
					3.85	18.082	0.0255	-2.5 to 2.5	Pass
					4.43	-24.920	-0.0351	-2.5 to 2.5	Pass
				-30	3.85	-12.388	-0.0174	-2.5 to 2.5	Pass
				-20	3.85	-18.525	-0.0261	-2.5 to 2.5	Pass
				-10	3.85	-18.897	-0.0266	-2.5 to 2.5	Pass
				0	3.85	-21.000	-0.0296	-2.5 to 2.5	Pass
				10	3.85	-40.998	-0.0577	-2.5 to 2.5	Pass
				30	3.85	-16.608	-0.0234	-2.5 to 2.5	Pass
				40	3.85	-33.317	-0.0469	-2.5 to 2.5	Pass
				50	3.85	-26.836	-0.0378	-2.5 to 2.5	Pass
	711	50	0	20	3.27	15.063	0.0212	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
					4.43	-39.582	-0.0557	-2.5 to 2.5	Pass
				-30	3.85	-10.715	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-32.372	-0.0455	-2.5 to 2.5	Pass
				-10	3.85	-49.825	-0.0701	-2.5 to 2.5	Pass
				0	3.85	-9.470	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-8.698	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-34.075	-0.0481	-2.5 to 2.5	Pass
					3.85	-3.033	-0.0043	-2.5 to 2.5	Pass
					4.43	21.758	0.0307	-2.5 to 2.5	Pass
				-30	3.85	35.076	0.0495	-2.5 to 2.5	Pass
				-20	3.85	42.486	0.0599	-2.5 to 2.5	Pass
				-10	3.85	36.178	0.0510	-2.5 to 2.5	Pass
				0	3.85	15.349	0.0216	-2.5 to 2.5	Pass
				10	3.85	33.302	0.0470	-2.5 to 2.5	Pass
				30	3.85	26.951	0.0380	-2.5 to 2.5	Pass
				40	3.85	33.946	0.0479	-2.5 to 2.5	Pass
				50	3.85	24.891	0.0351	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-30.484	-0.0429	-2.5 to 2.5	Pass

					3.85	-18.253	-0.0257	-2.5 to 2.5	Pass
					4.43	-6.909	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	9.055	0.0128	-2.5 to 2.5	Pass
				-20	3.85	14.920	0.0210	-2.5 to 2.5	Pass
				-10	3.85	29.526	0.0416	-2.5 to 2.5	Pass
				0	3.85	32.859	0.0463	-2.5 to 2.5	Pass
				10	3.85	28.052	0.0395	-2.5 to 2.5	Pass
				30	3.85	24.290	0.0342	-2.5 to 2.5	Pass
				40	3.85	31.743	0.0447	-2.5 to 2.5	Pass
				50	3.85	27.823	0.0392	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-19.112	-0.0269	-2.5 to 2.5	Pass
					3.85	8.368	0.0118	-2.5 to 2.5	Pass
					4.43	27.480	0.0386	-2.5 to 2.5	Pass
				-30	3.85	38.223	0.0538	-2.5 to 2.5	Pass
				-20	3.85	2.804	0.0039	-2.5 to 2.5	Pass
				-10	3.85	5.164	0.0073	-2.5 to 2.5	Pass
				0	3.85	-3.963	-0.0056	-2.5 to 2.5	Pass
				10	3.85	5.751	0.0081	-2.5 to 2.5	Pass
				30	3.85	8.068	0.0113	-2.5 to 2.5	Pass
				40	3.85	9.012	0.0127	-2.5 to 2.5	Pass
				50	3.85	10.200	0.0143	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

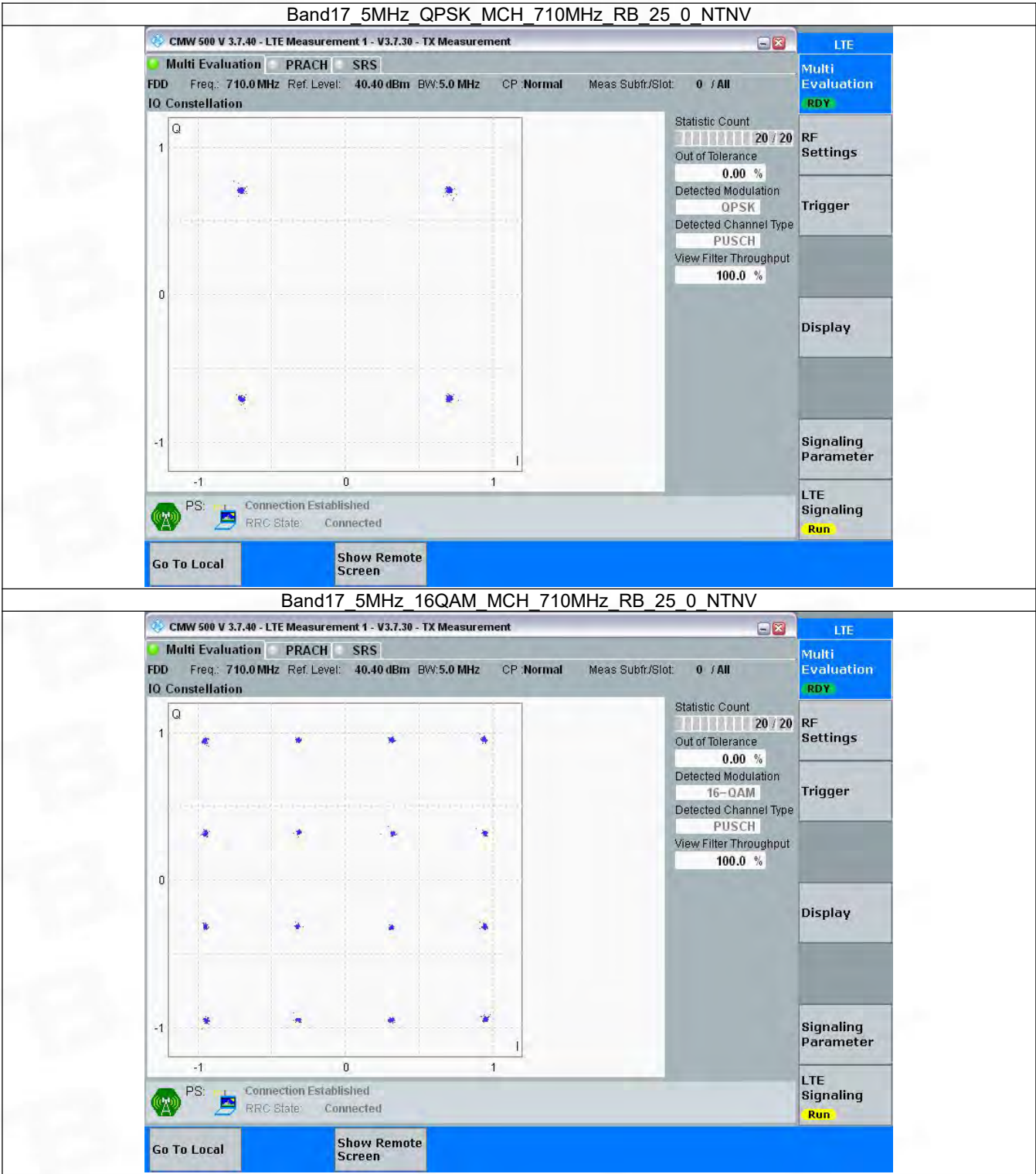
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

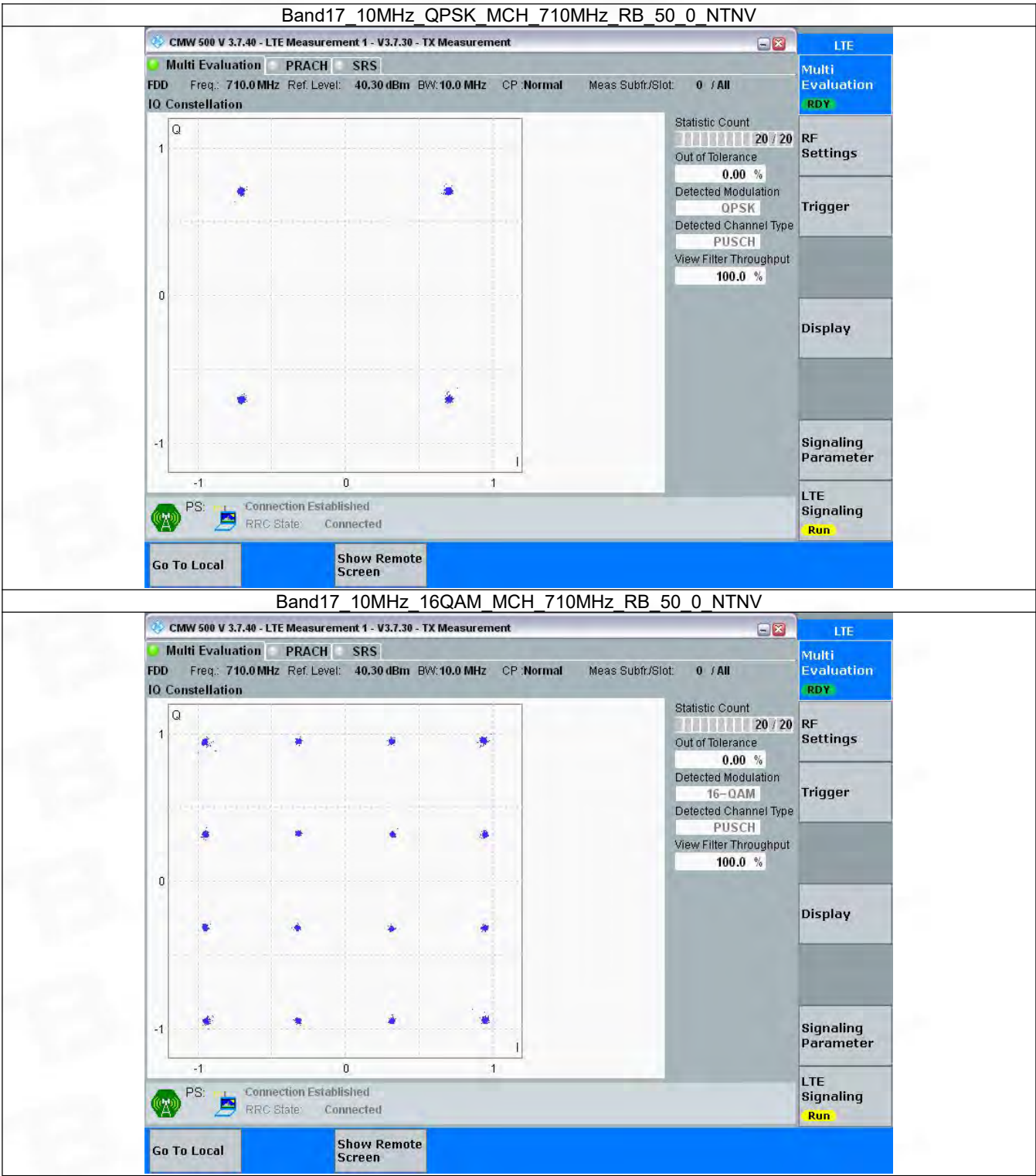
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B17_5MHz



3.2.2 B17_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

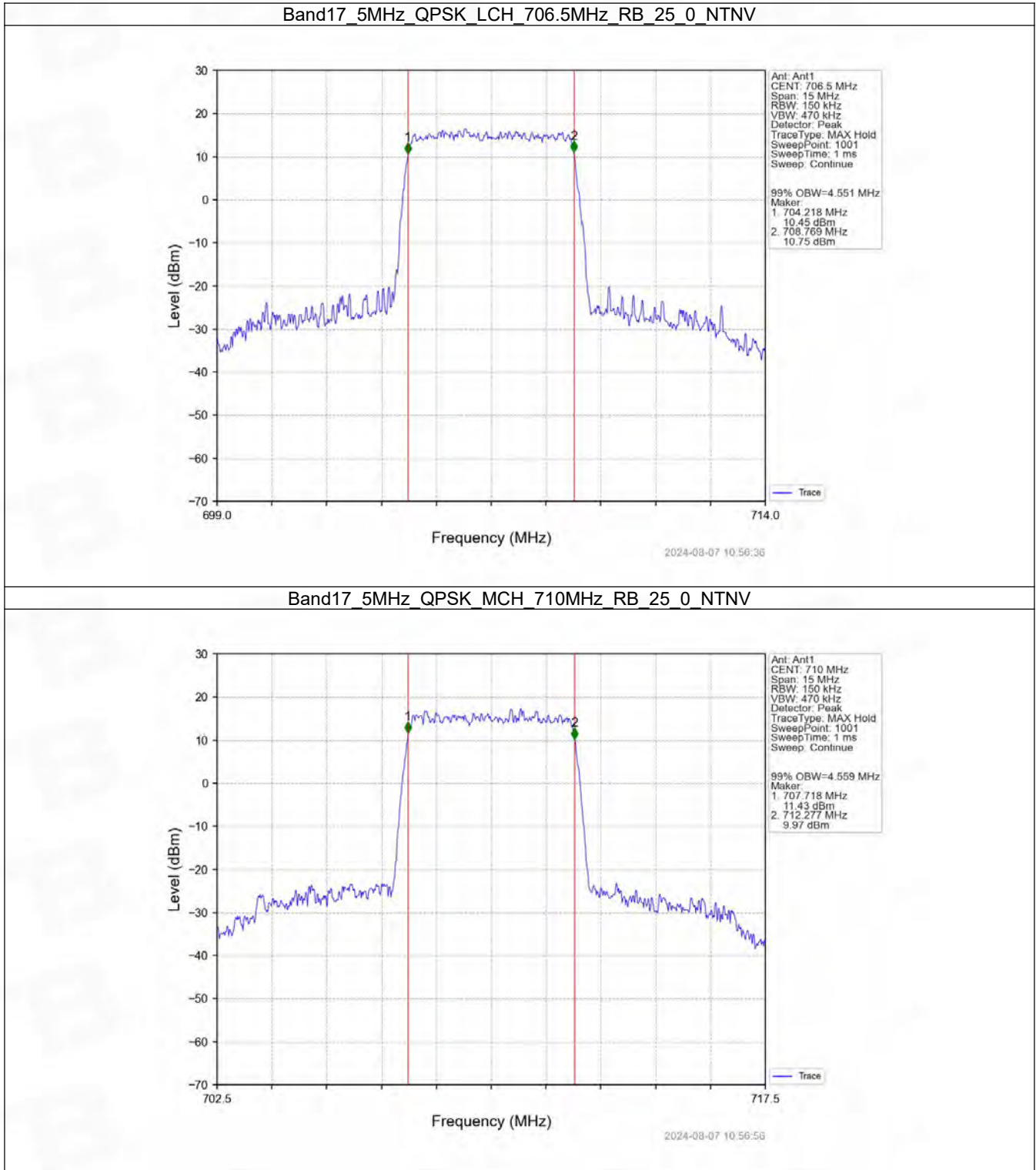
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.551	/	Pass
		710	25	0	4.559	/	Pass
		713.5	25	0	4.530	/	Pass
	16QAM	706.5	25	0	4.563	/	Pass
		710	25	0	4.549	/	Pass
		713.5	25	0	4.560	/	Pass
10	QPSK	709	50	0	9.110	/	Pass
		710	50	0	9.047	/	Pass
		711	50	0	9.048	/	Pass
	16QAM	709	50	0	9.052	/	Pass
		710	50	0	9.055	/	Pass
		711	50	0	9.074	/	Pass

4.1.2 Band17_XDB

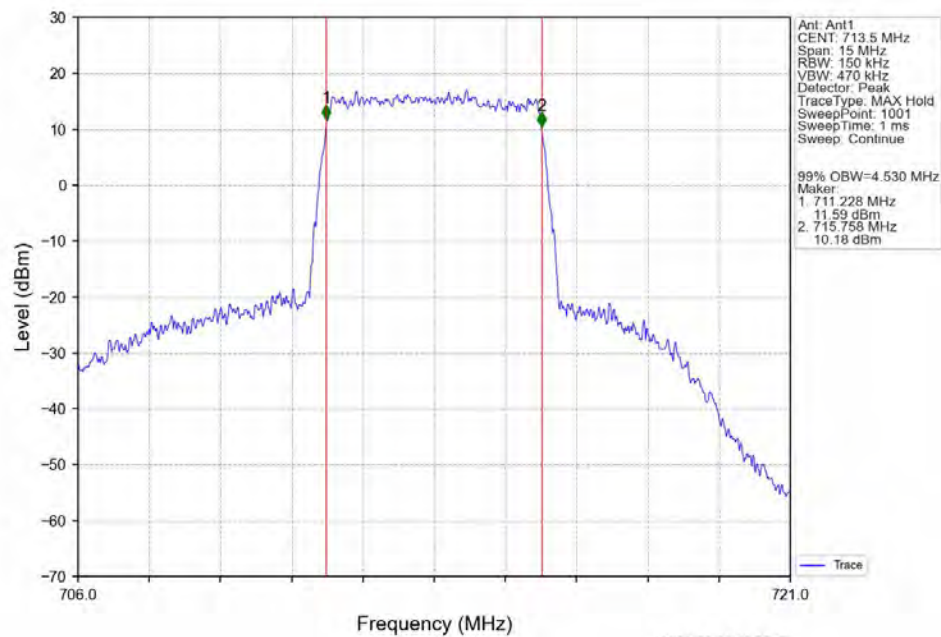
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.059	/	Pass
		710	25	0	5.040	/	Pass
		713.5	25	0	5.080	/	Pass
	16QAM	706.5	25	0	5.055	/	Pass
		710	25	0	5.037	/	Pass
		713.5	25	0	5.062	/	Pass
10	QPSK	709	50	0	10.037	/	Pass
		710	50	0	10.055	/	Pass
		711	50	0	10.055	/	Pass
	16QAM	709	50	0	10.046	/	Pass
		710	50	0	10.077	/	Pass
		711	50	0	10.021	/	Pass

4.2 Test Graph

4.2.1 Band17_OBW

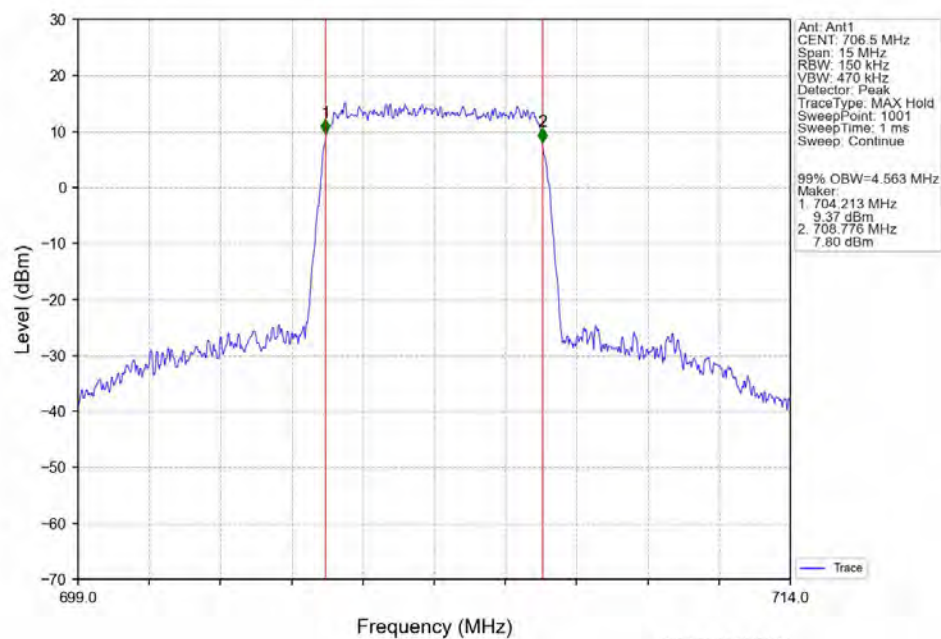


Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



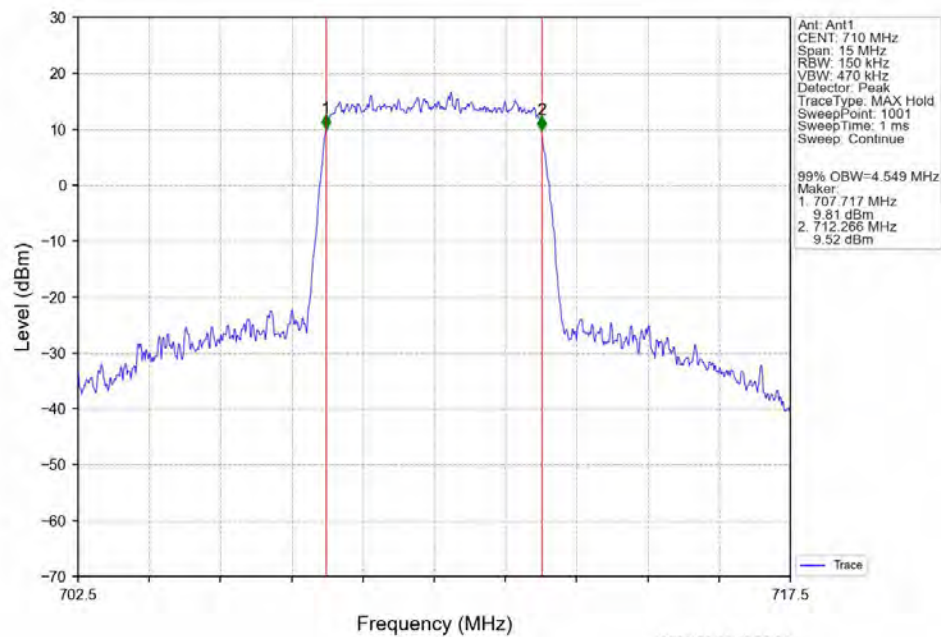
2024-08-07 10:57:17

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



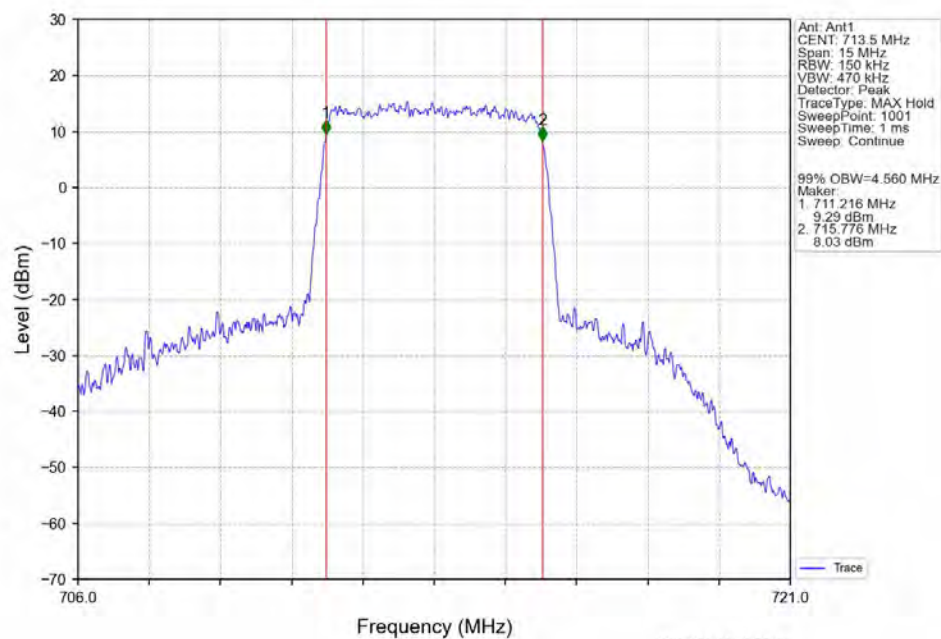
2024-08-07 10:58:44

Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



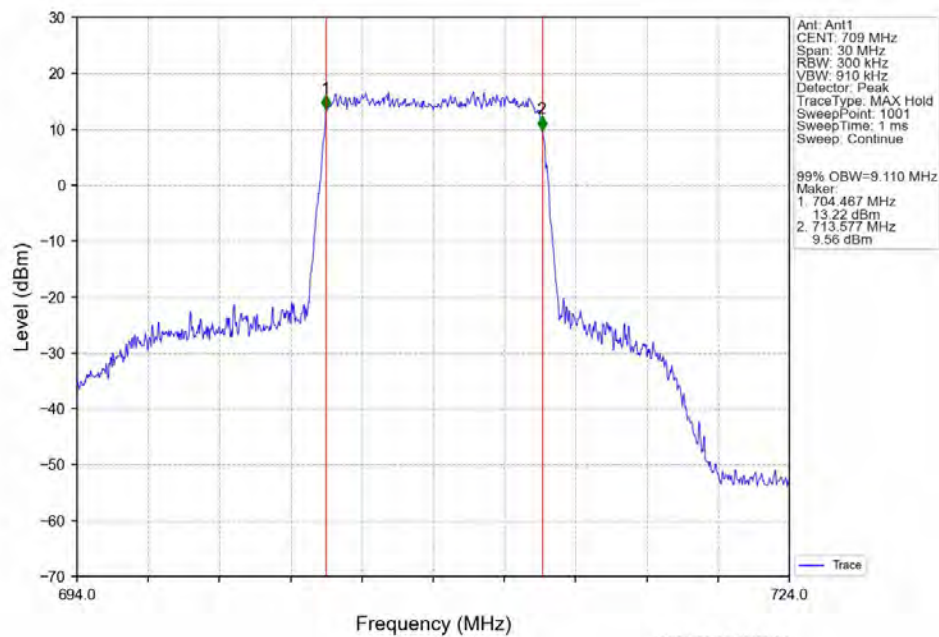
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Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



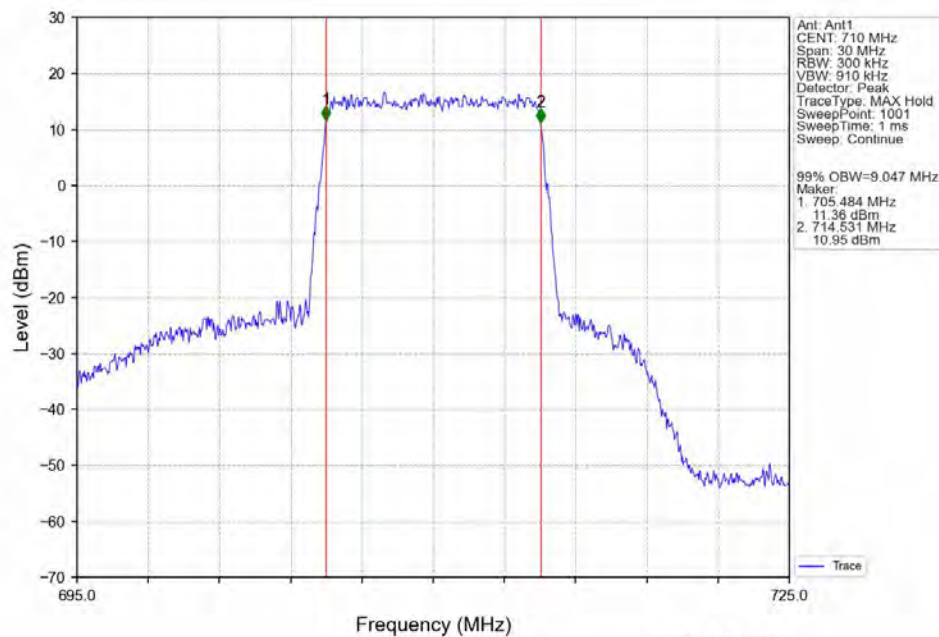
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Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



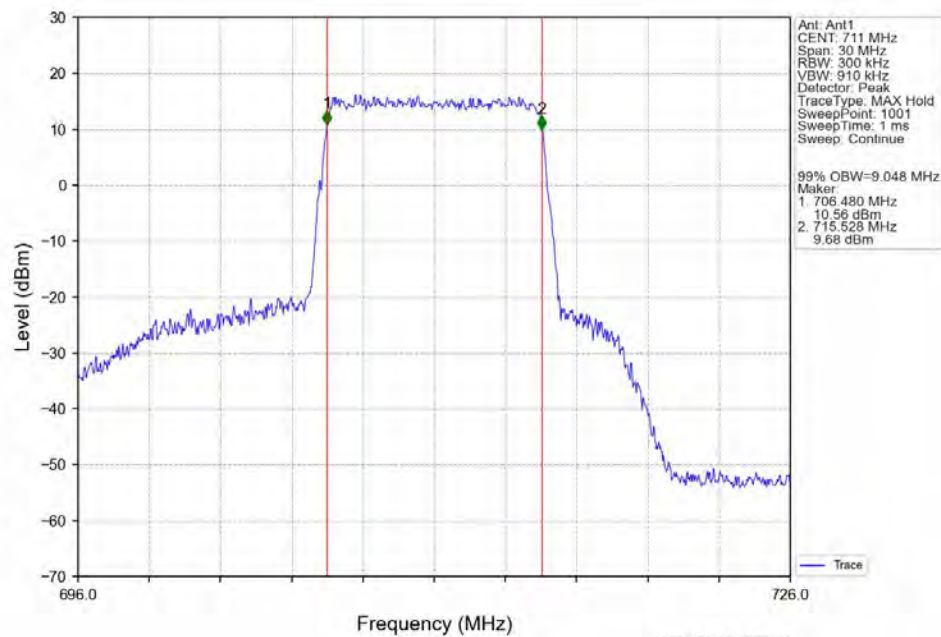
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Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

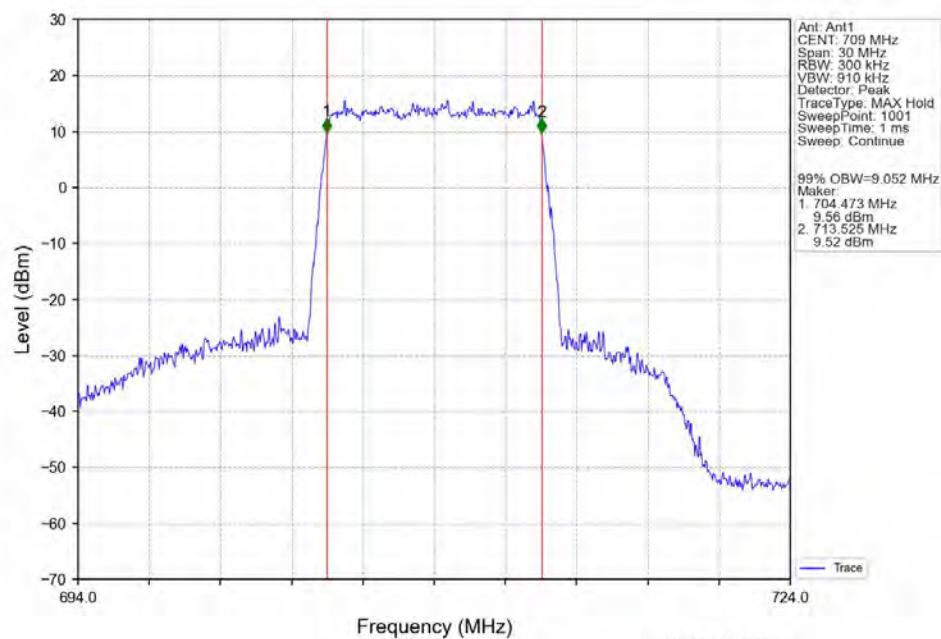


2024-08-07 10:58:24

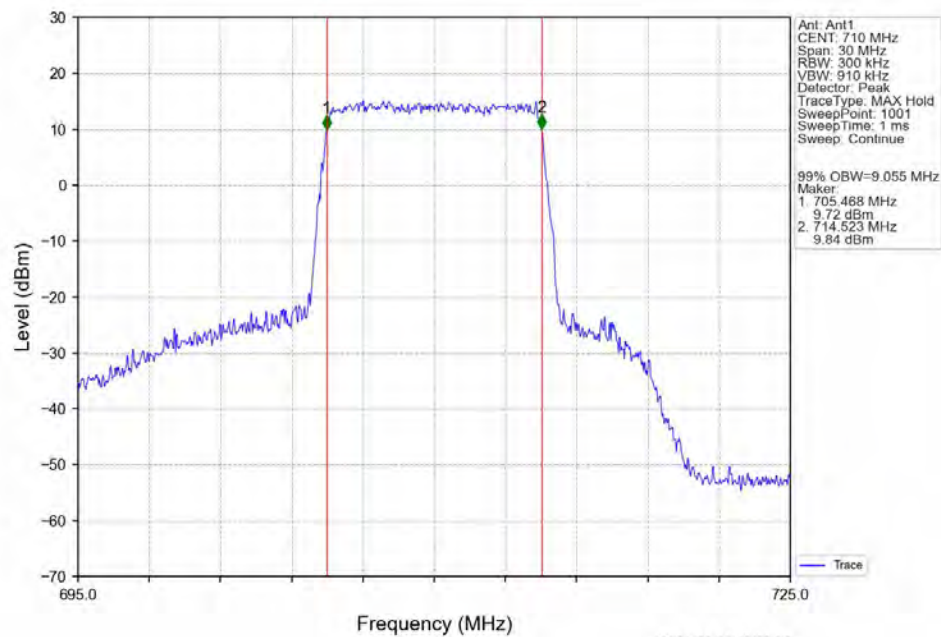
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

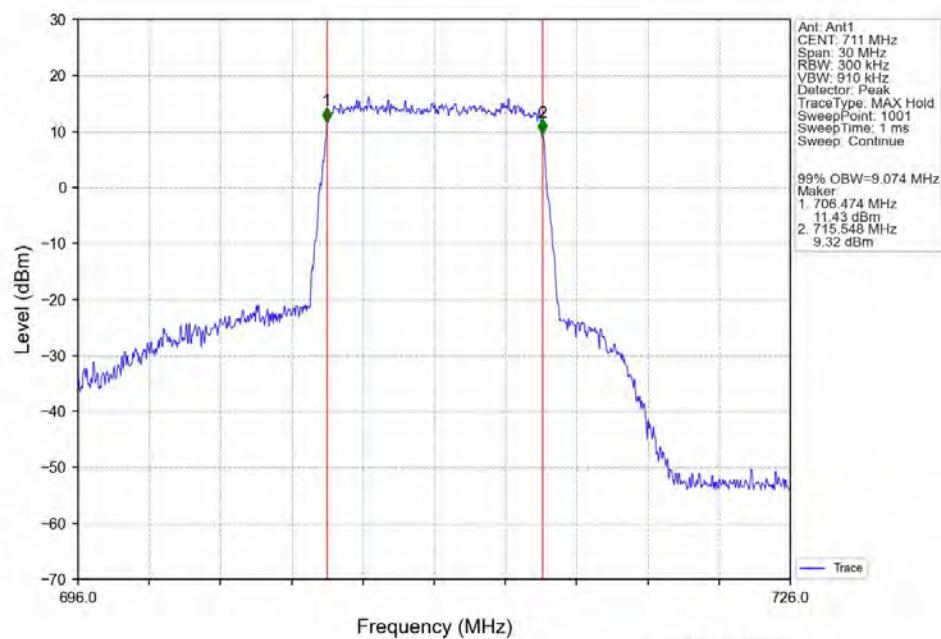


Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



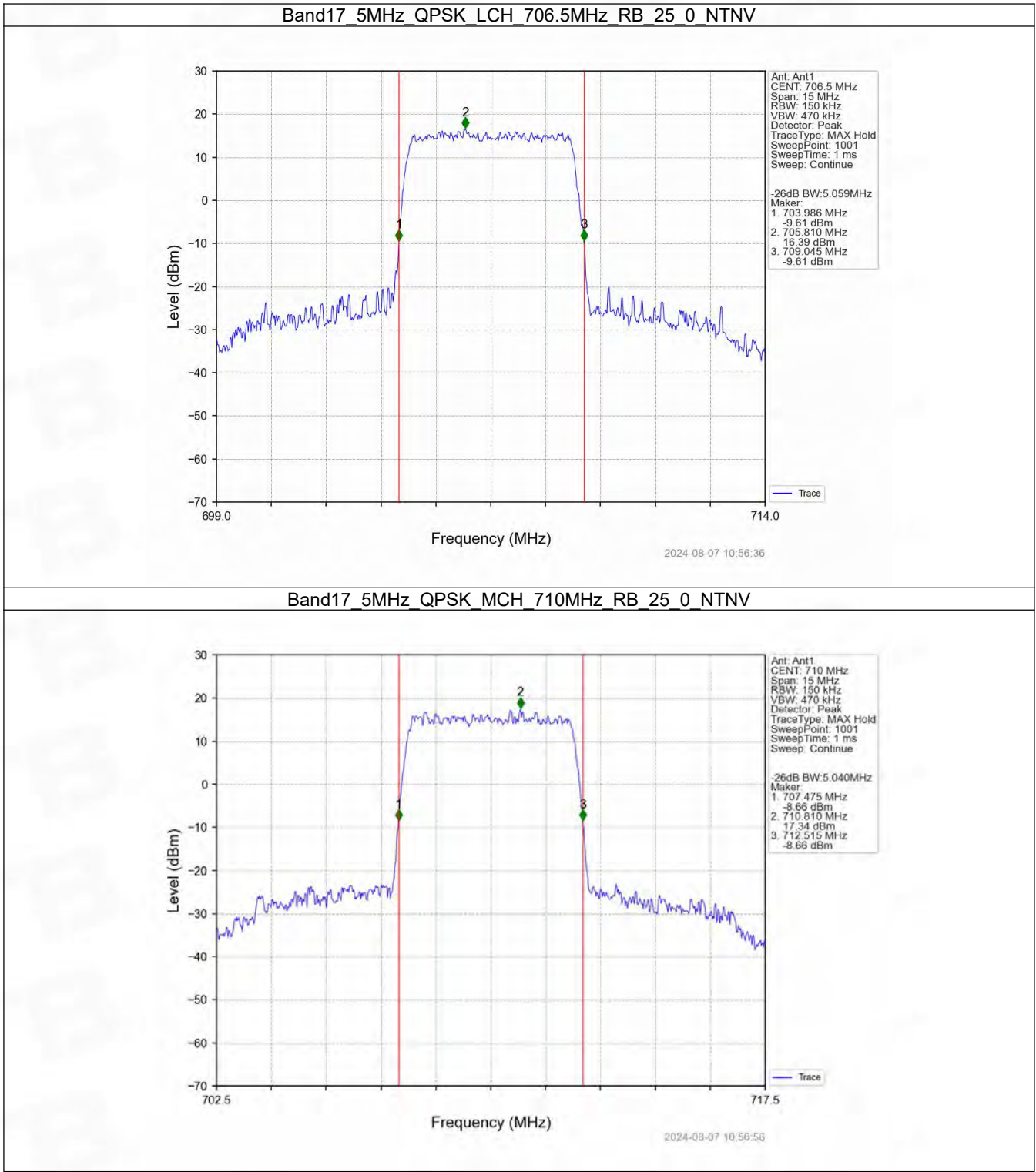
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Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

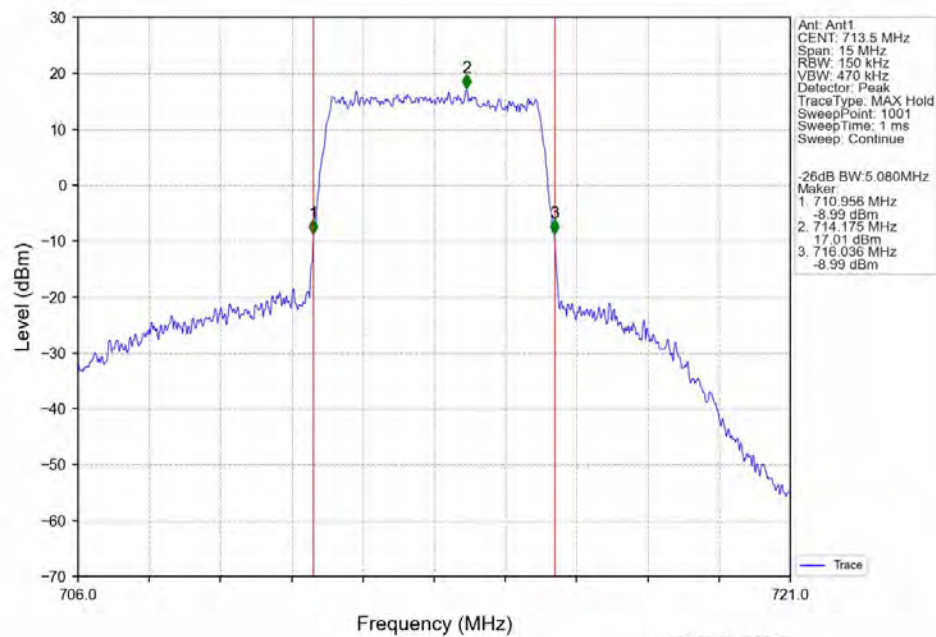


2024-08-07 10:58:53

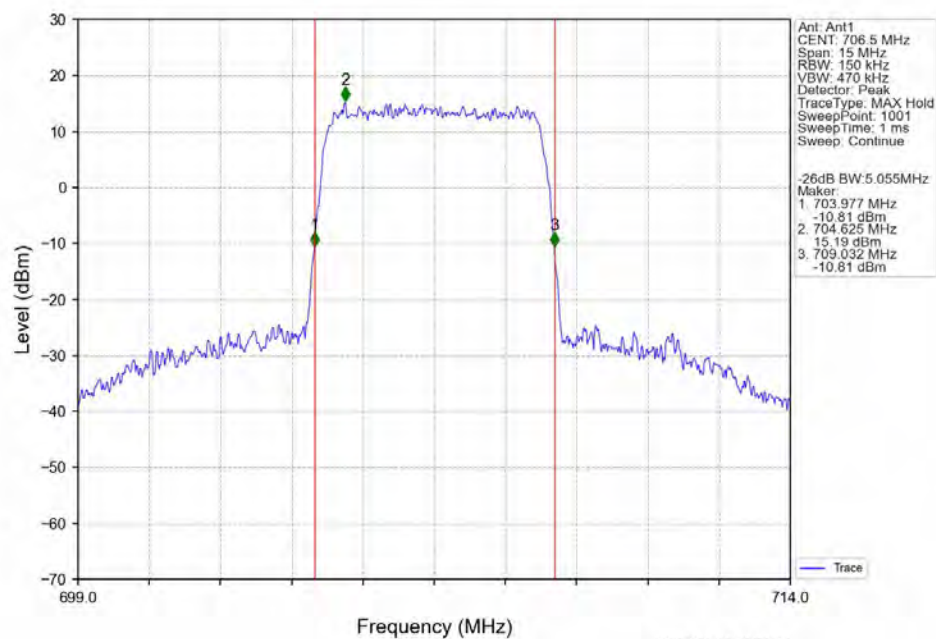
4.2.2 Band17_XDB



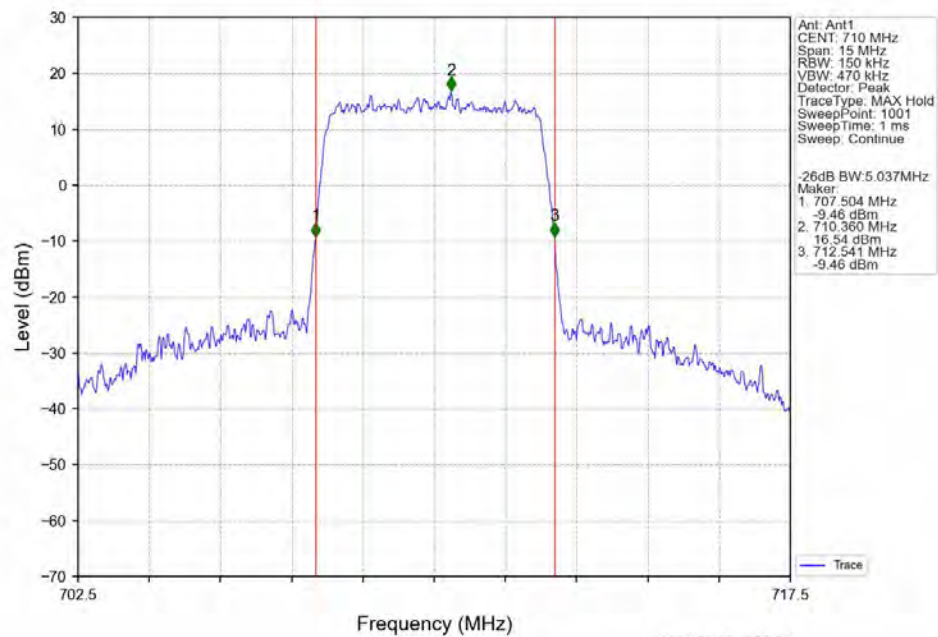
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



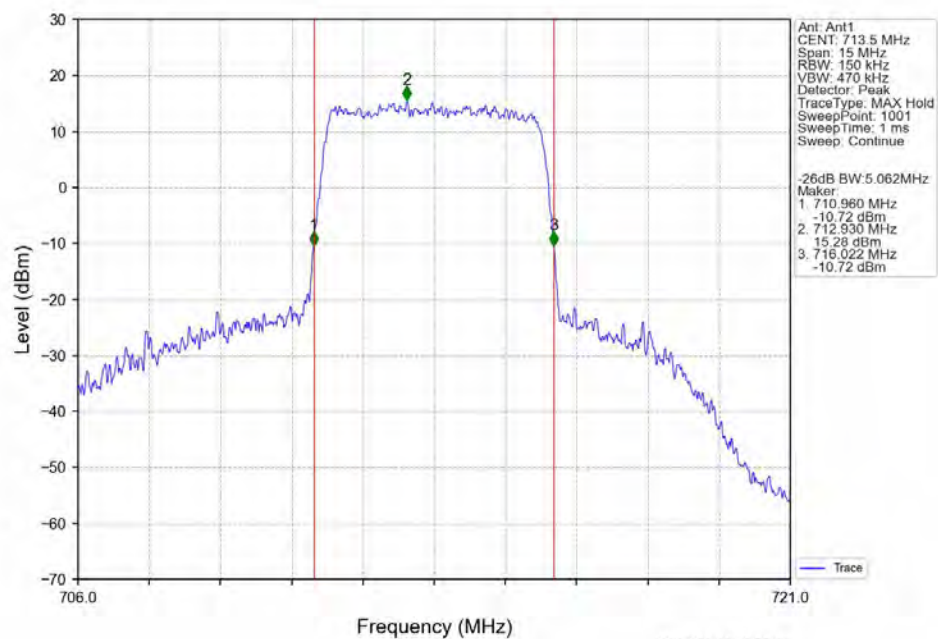
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



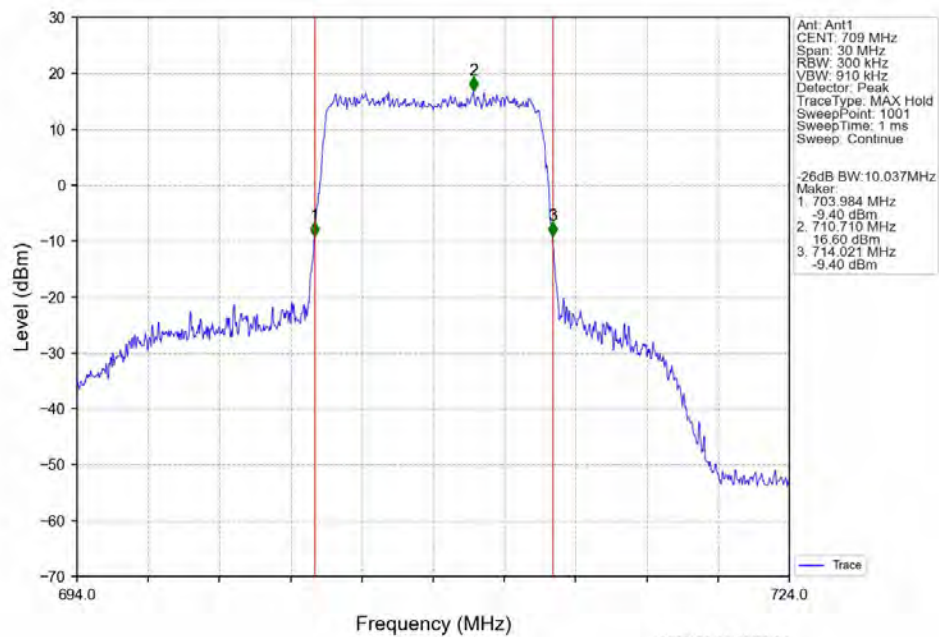
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



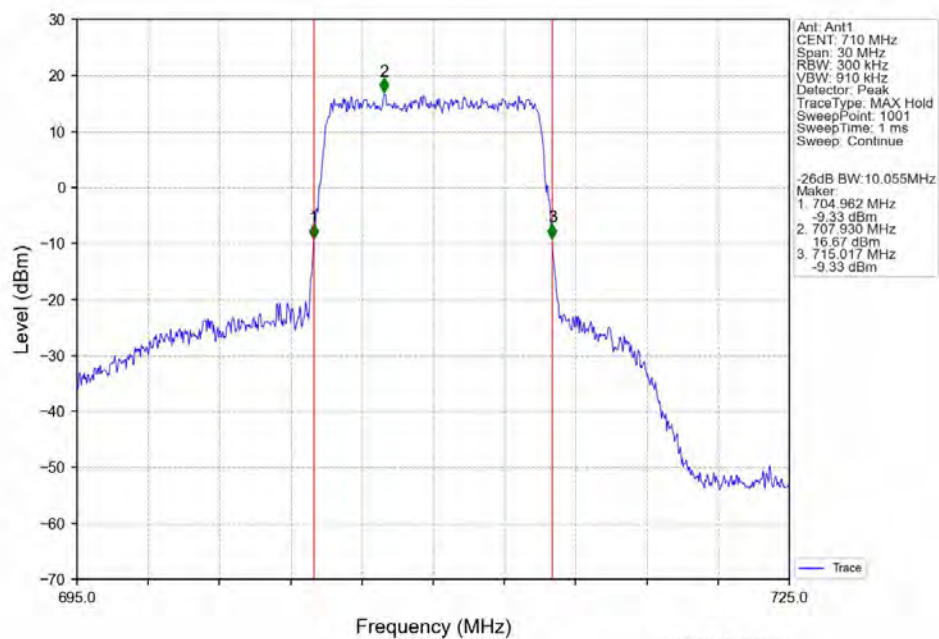
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



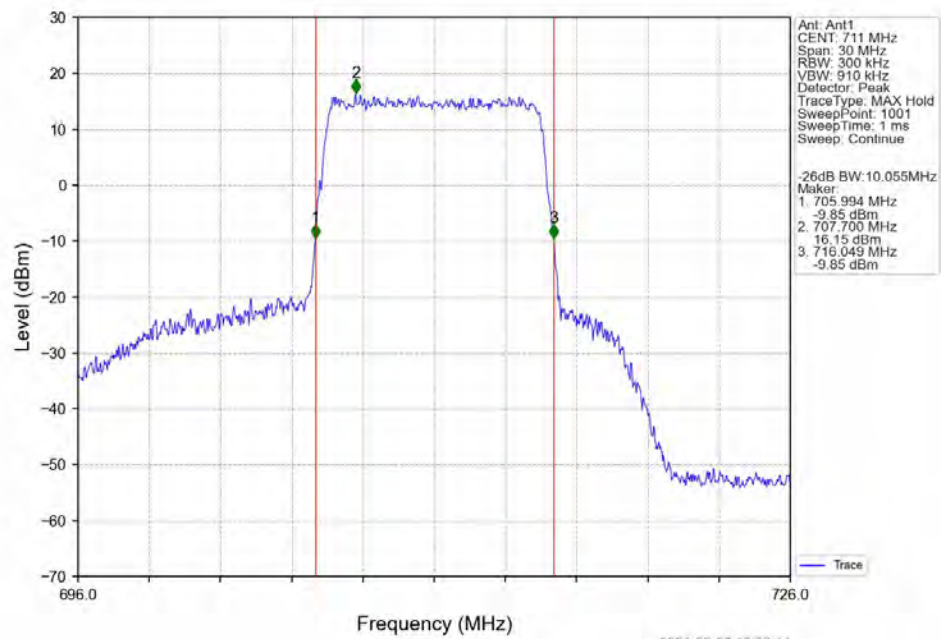
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



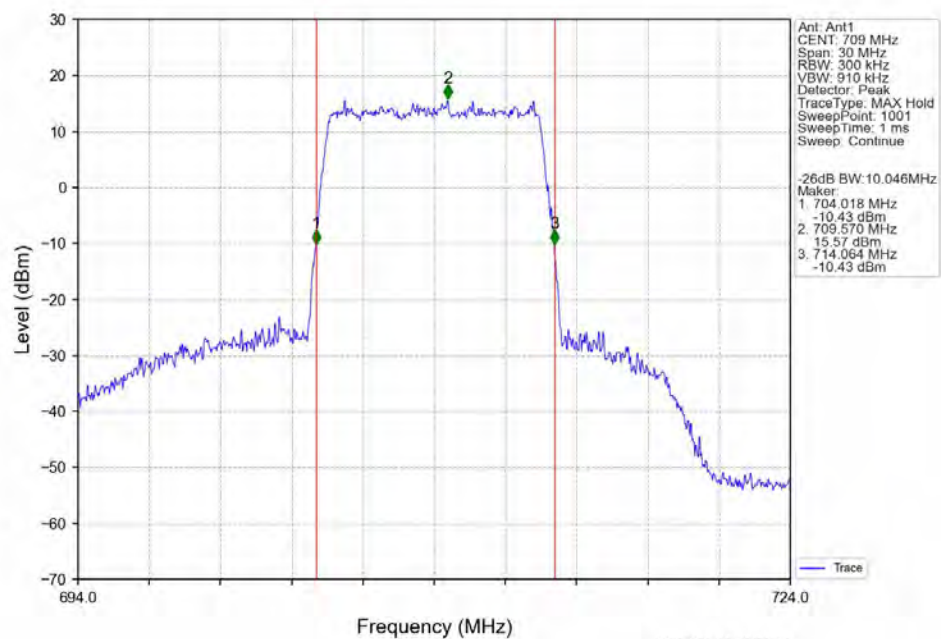
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



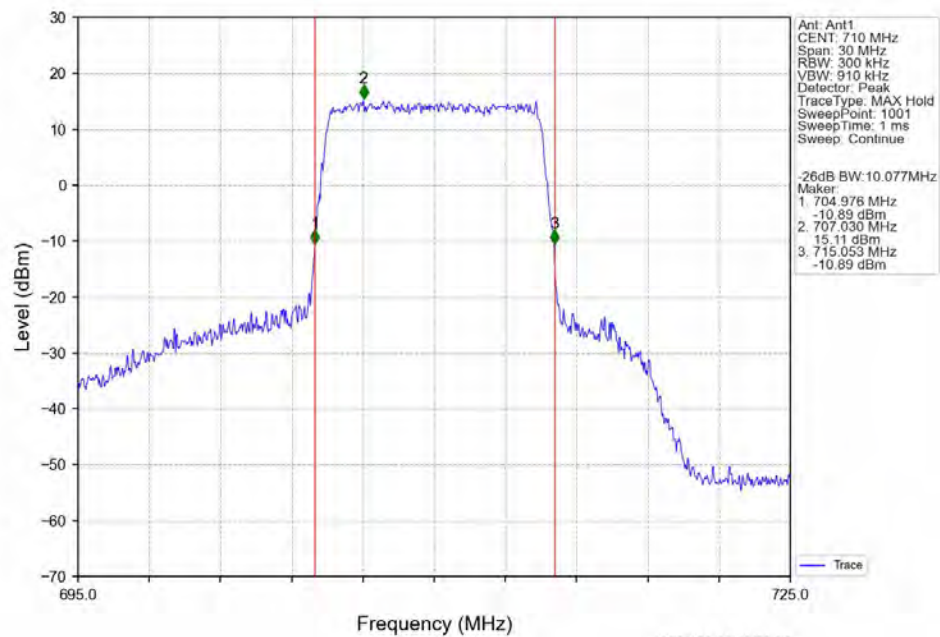
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



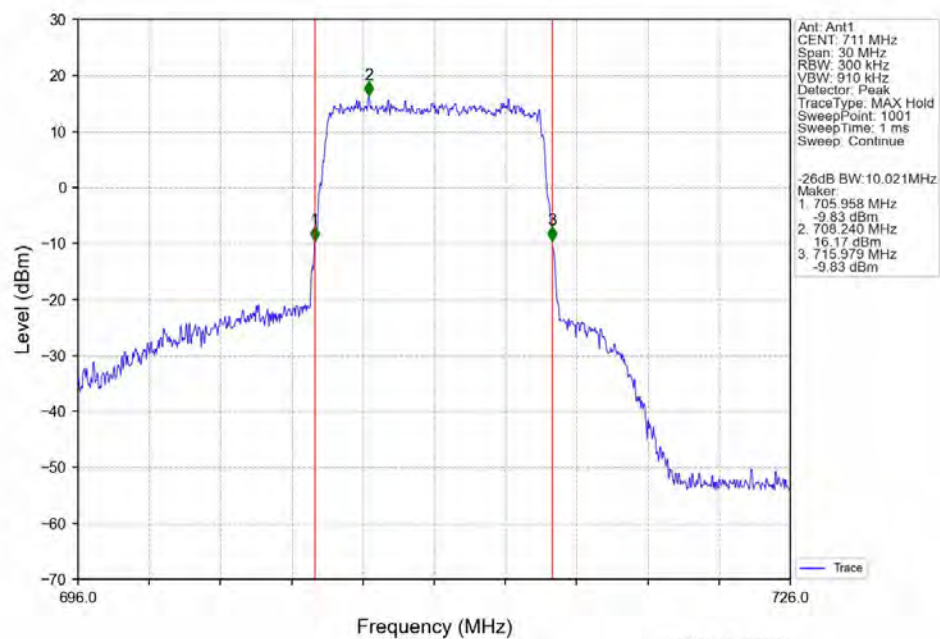
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

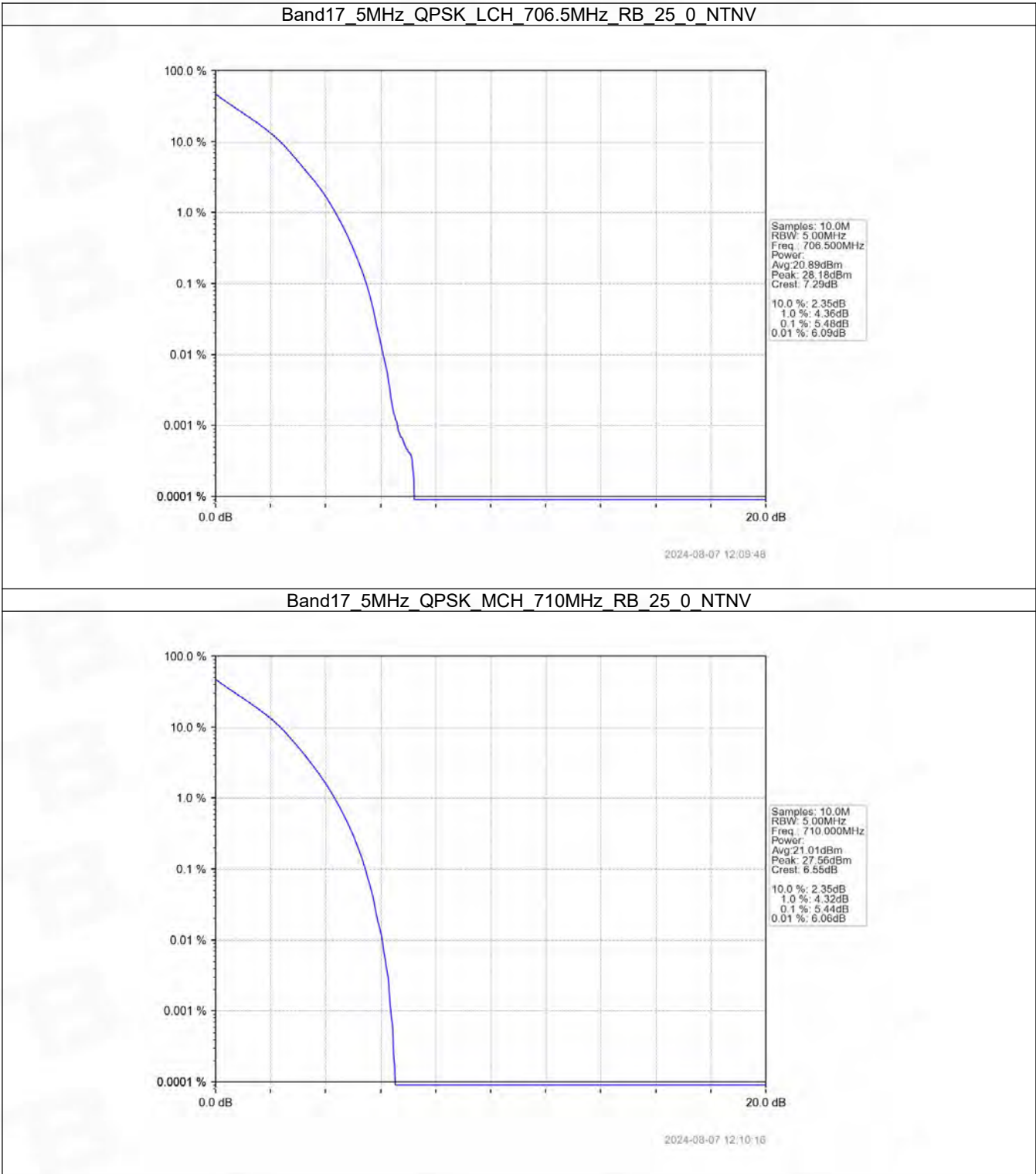
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.48	<=13	Pass
	710	25	0	5.44	<=13	Pass
	713.5	25	0	5.07	<=13	Pass
16QAM	706.5	25	0	6.27	<=13	Pass
	710	25	0	6.15	<=13	Pass
	713.5	25	0	6.02	<=13	Pass

5.1.2 B17_10MHz

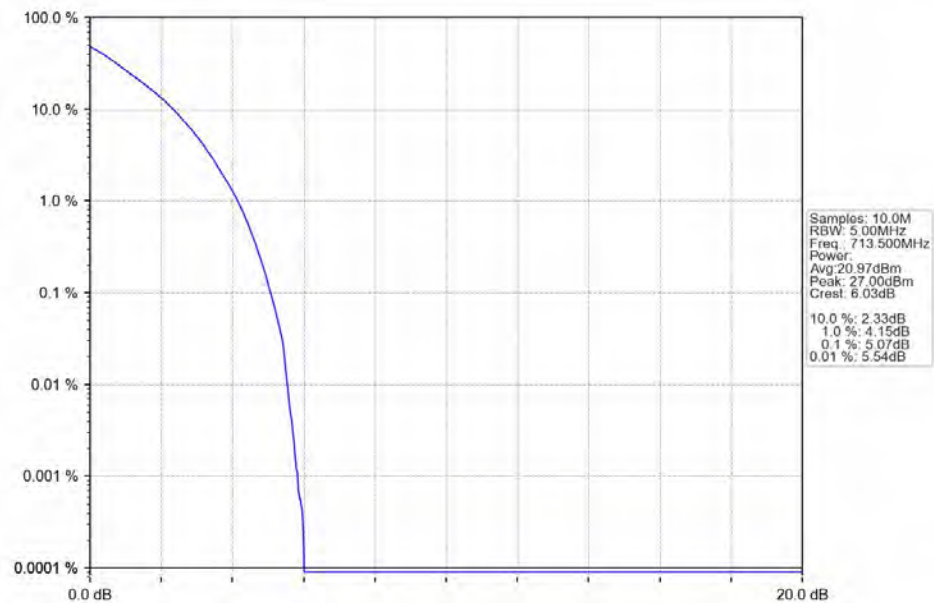
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.47	<=13	Pass
	710	50	0	5.41	<=13	Pass
	711	50	0	5.31	<=13	Pass
16QAM	709	50	0	6.28	<=13	Pass
	710	50	0	6.18	<=13	Pass
	711	50	0	6.11	<=13	Pass

5.2 Test Graph

5.2.1 B17_5MHz

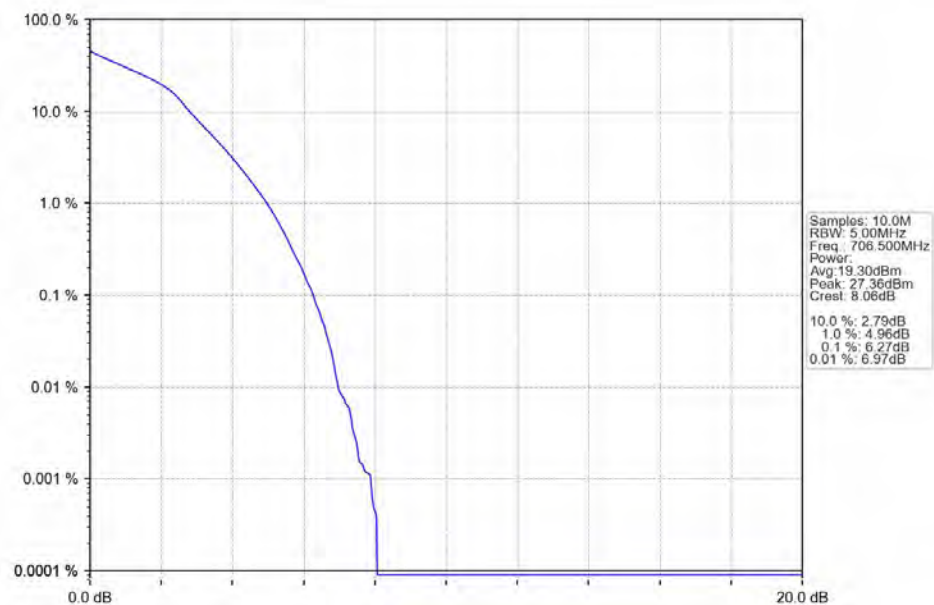


Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



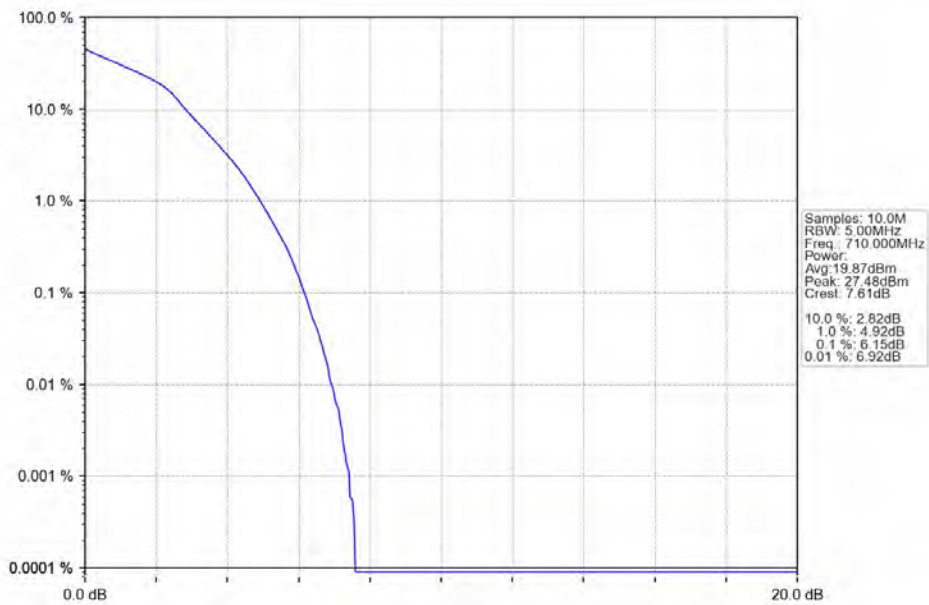
2024-08-07 12:10:43

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



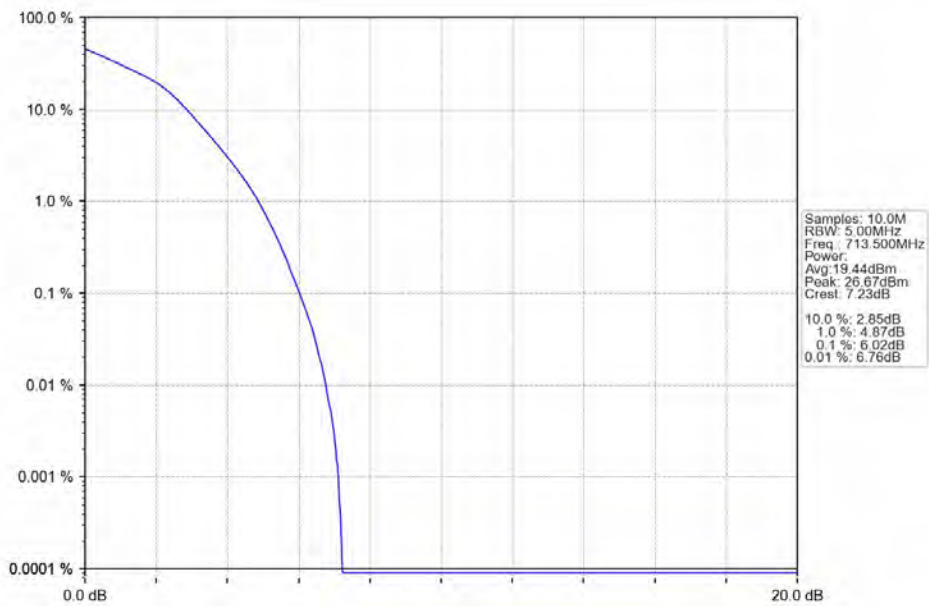
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Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



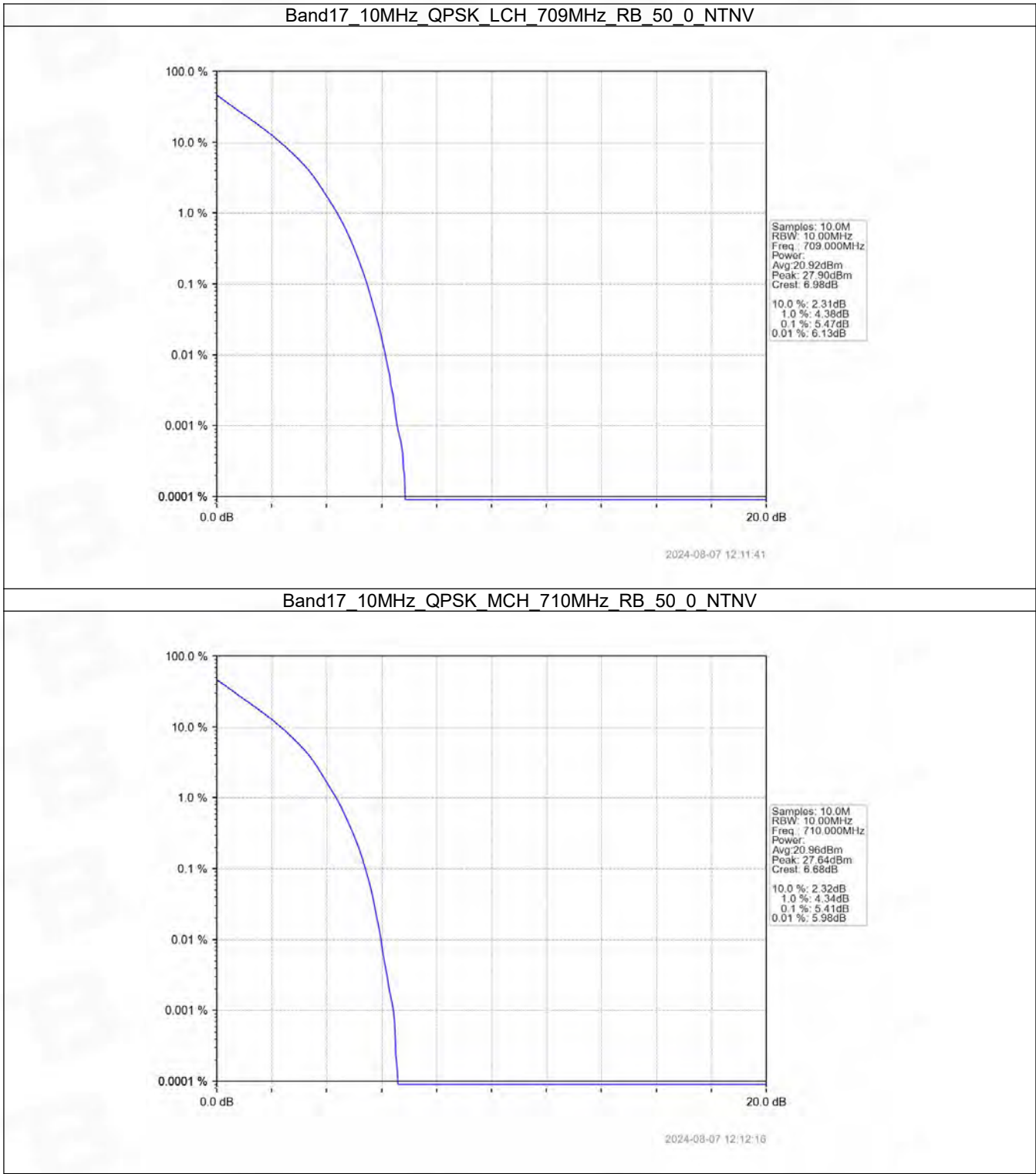
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Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

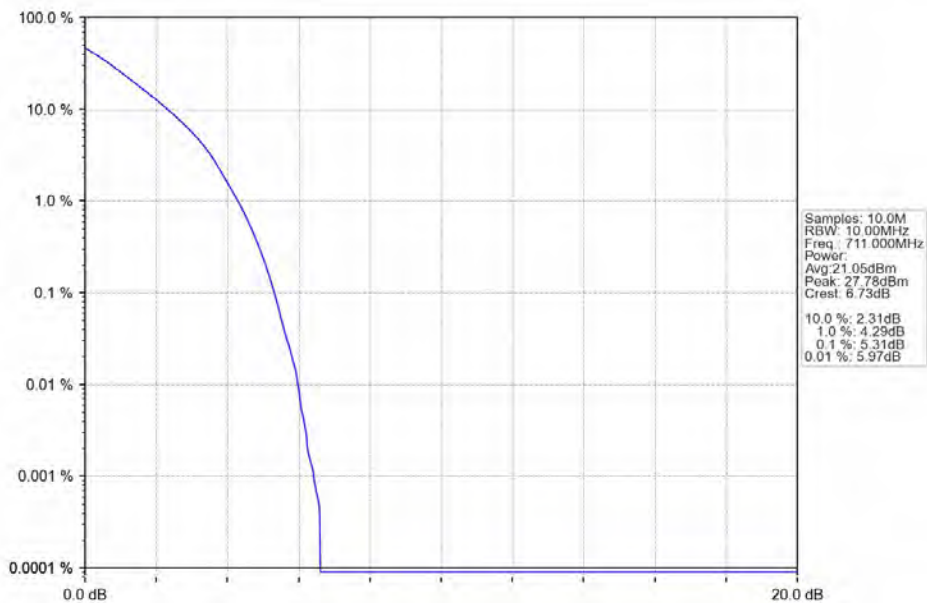


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5.2.2 B17_10MHz

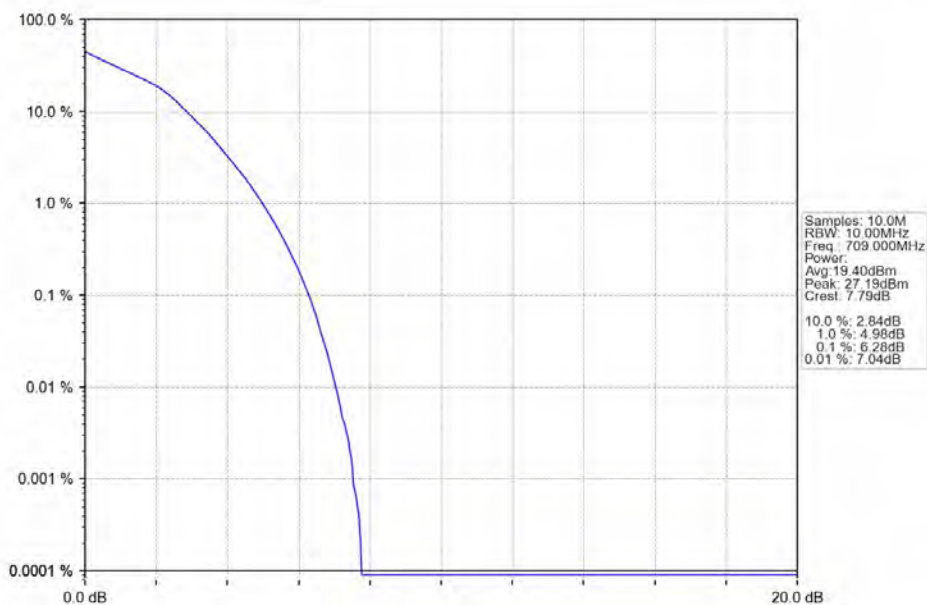


Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



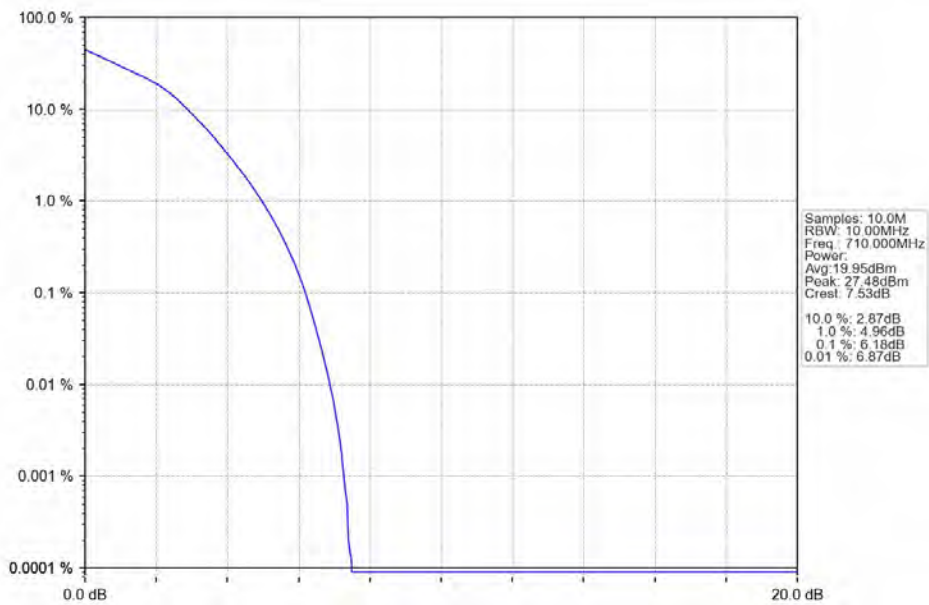
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Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



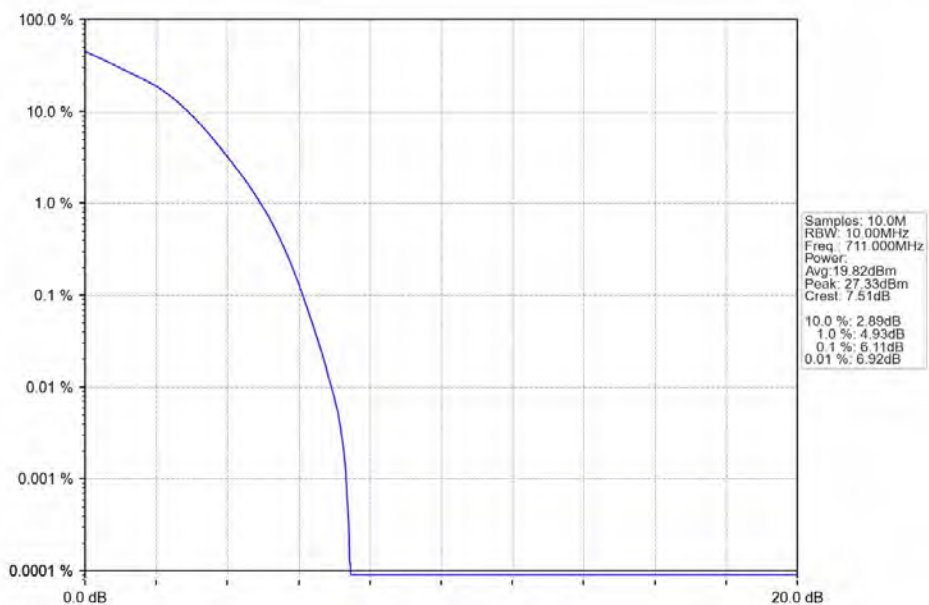
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Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



2024-08-07 12:12:32

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



2024-08-07 12:13:06

6. Spurious Emission

6.1 Test Result

6.1.1 B17_5MHz

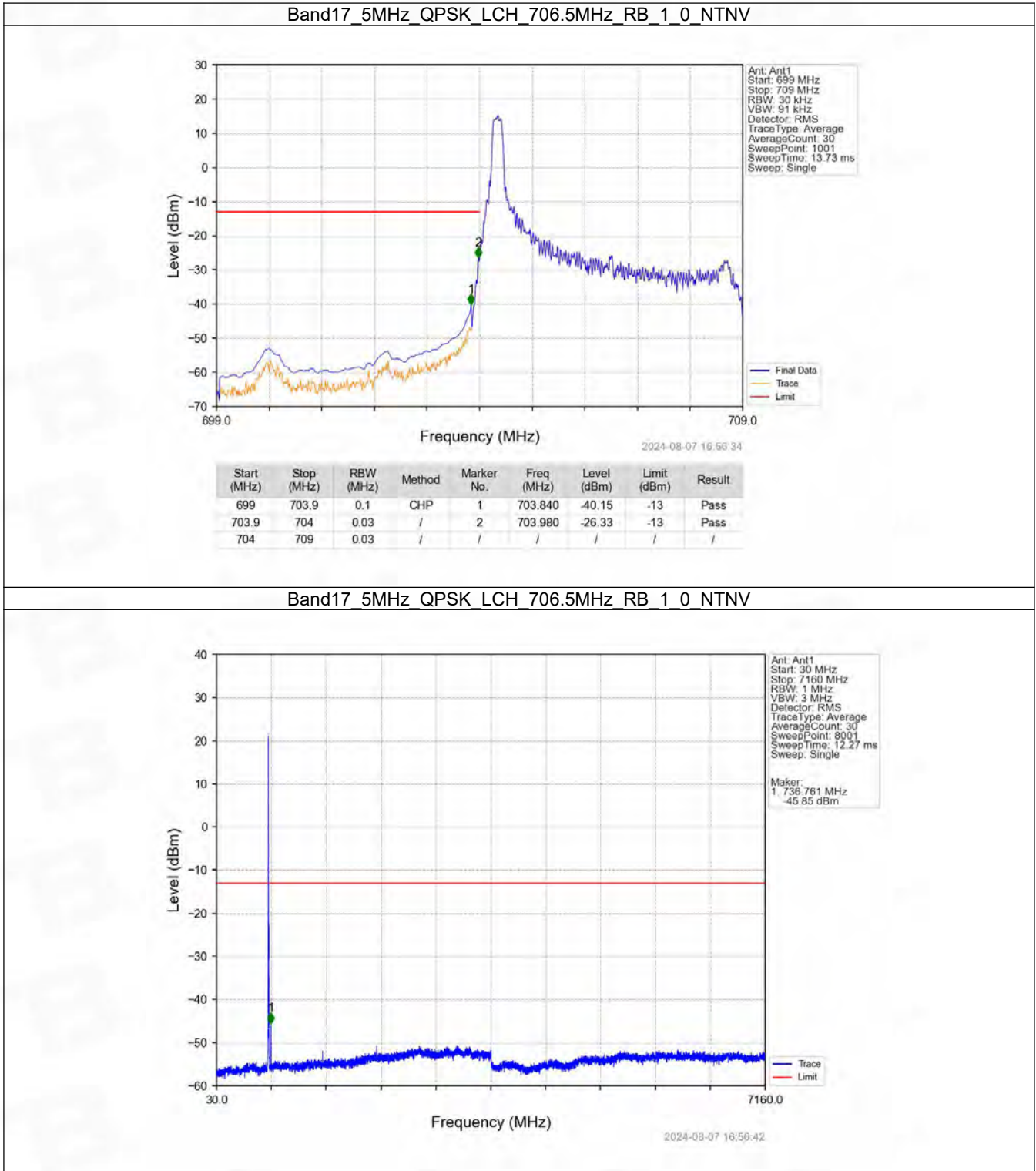
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

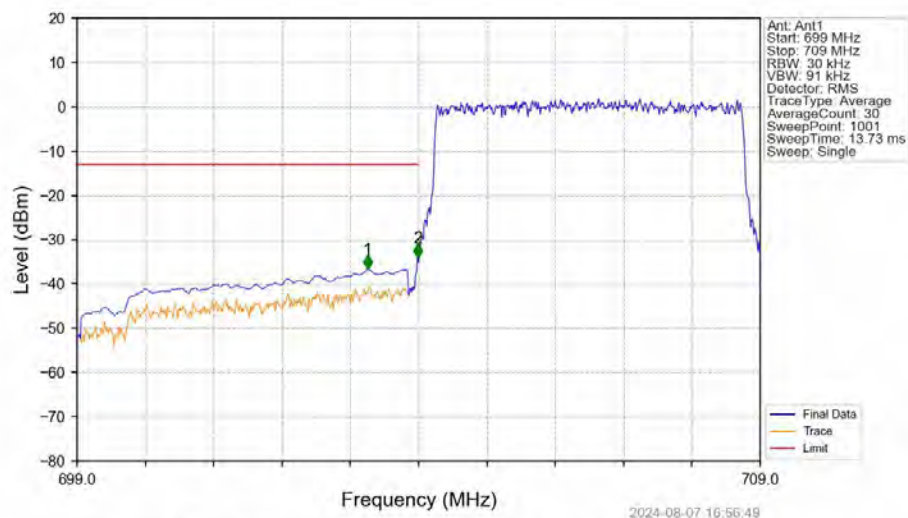
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

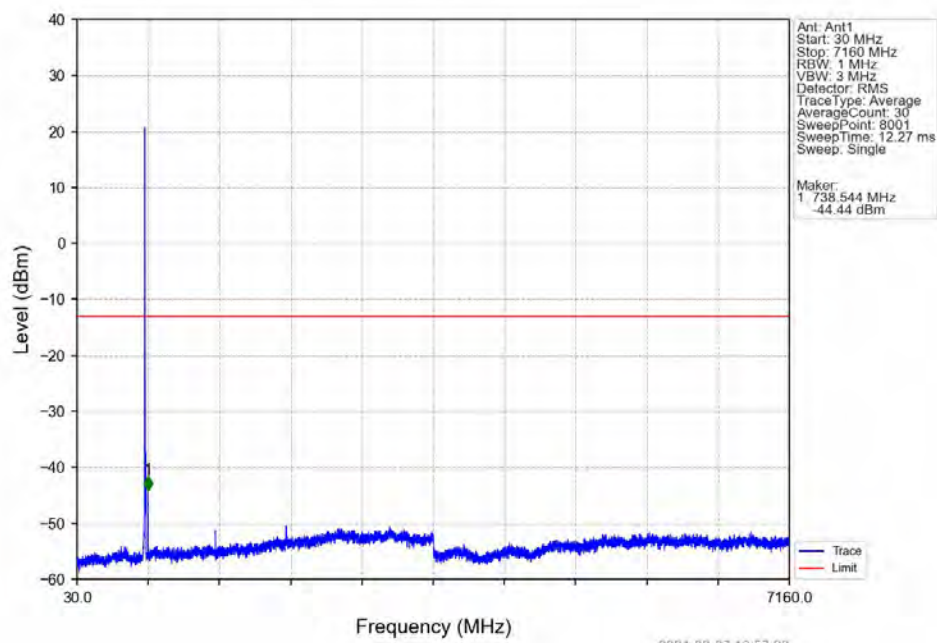


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

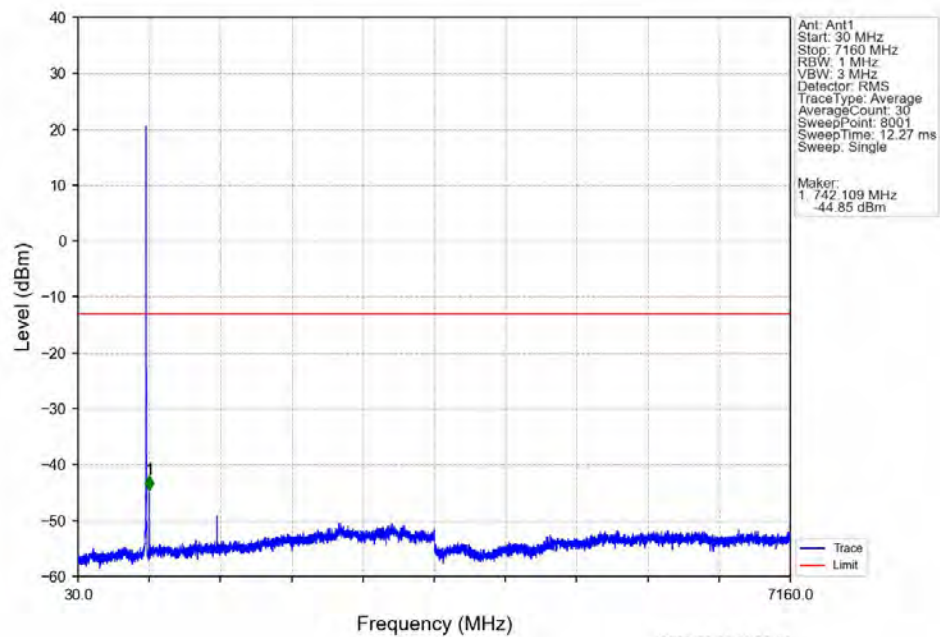


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.250	-36.68	-13	Pass
703.9	704	0.03	/	2	703.990	-34.07	-13	Pass
704	709	0.03	/	/	/	/	/	/

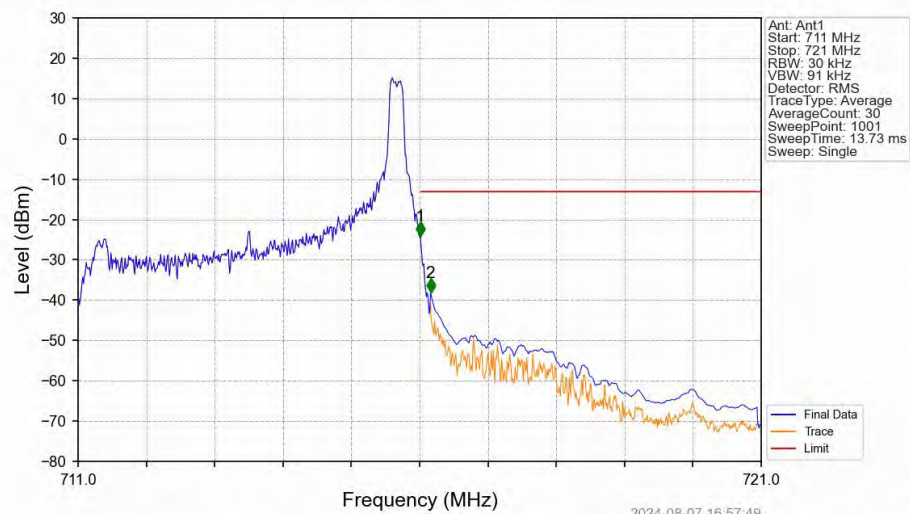
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

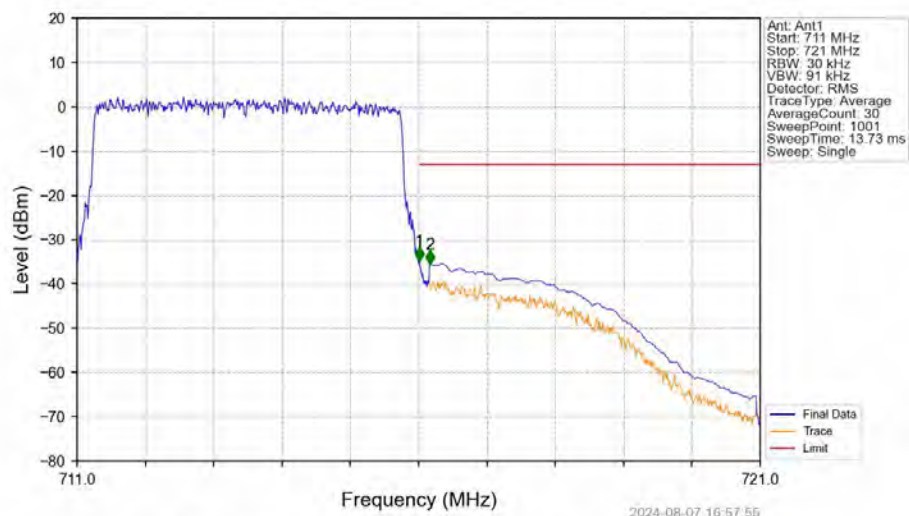


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



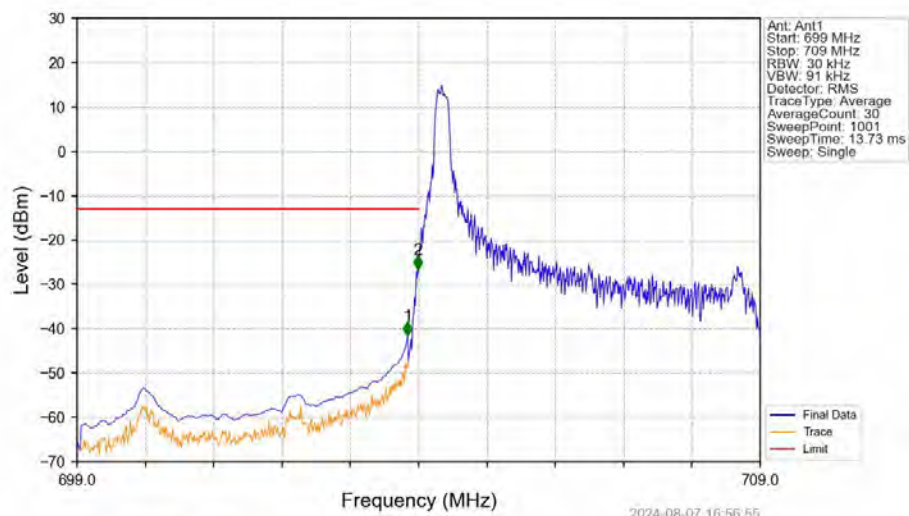
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-23.95	-13	Pass
716.1	721	0.1	CHP	2	716.160	-38.00	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



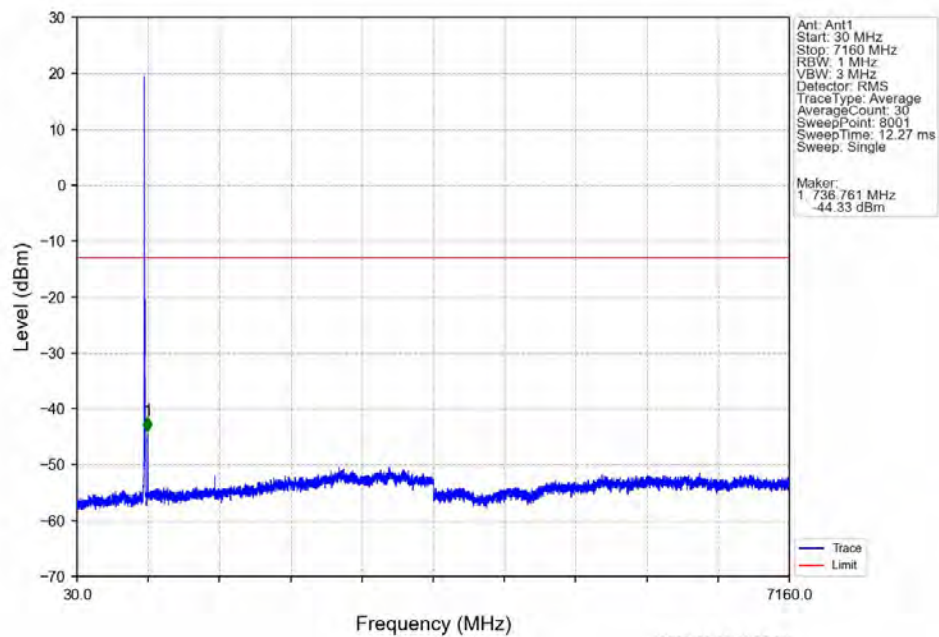
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-34.76	-13	Pass
716.1	721	0.1	CHP	2	716.170	-35.43	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

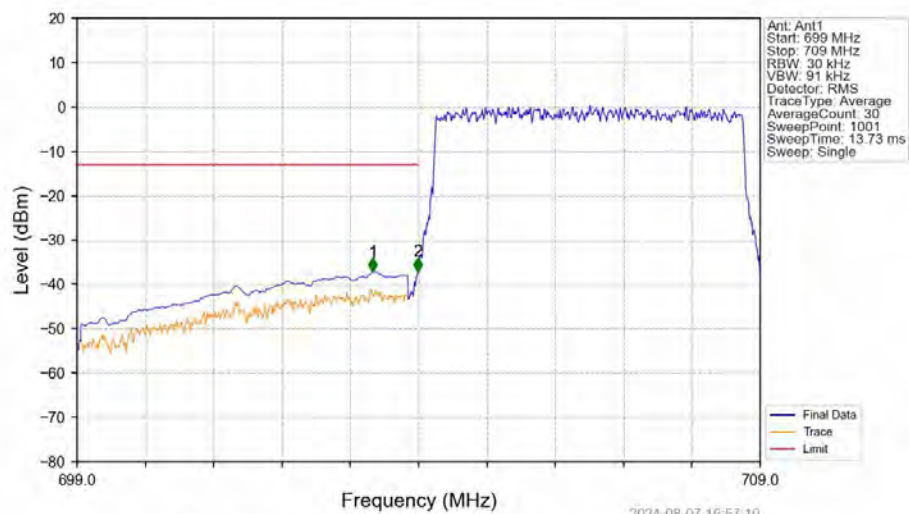


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-41.49	-13	Pass
703.9	704	0.03	/	2	703.990	-26.63	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

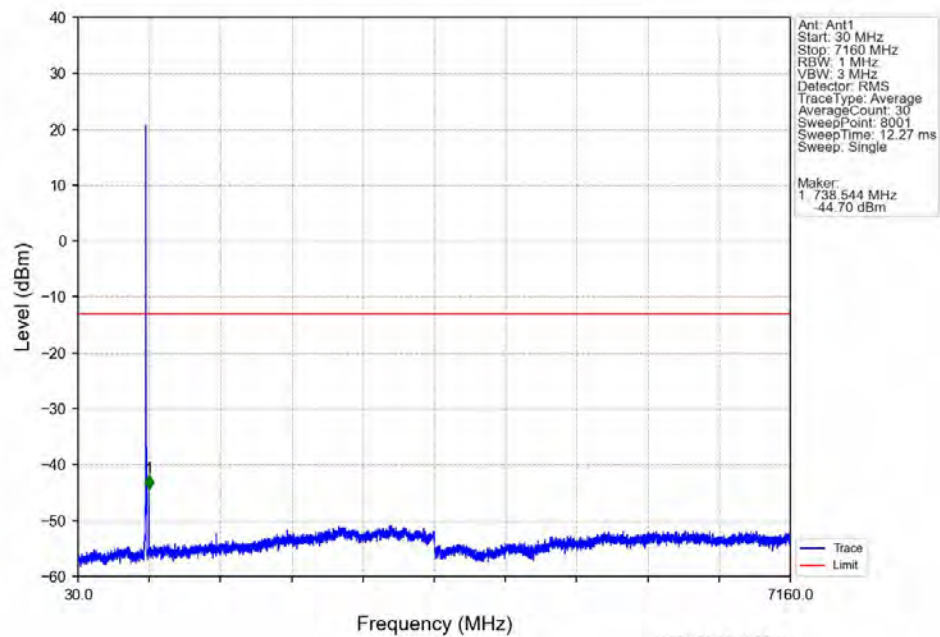


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

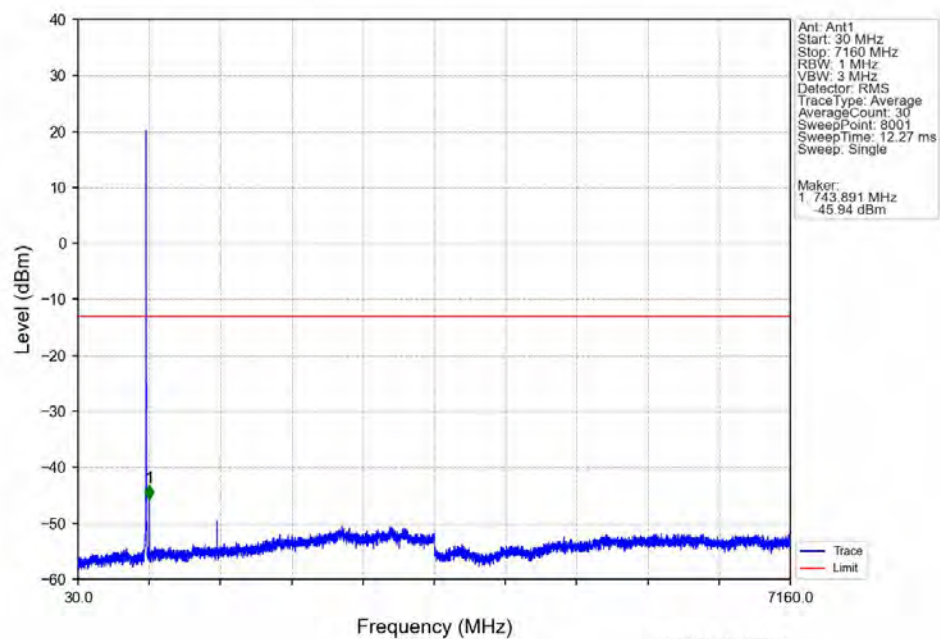


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.330	-37.19	-13	Pass
703.9	704	0.03	/	2	703.990	-37.05	-13	Pass
704	709	0.03	/	/	/	/	/	/

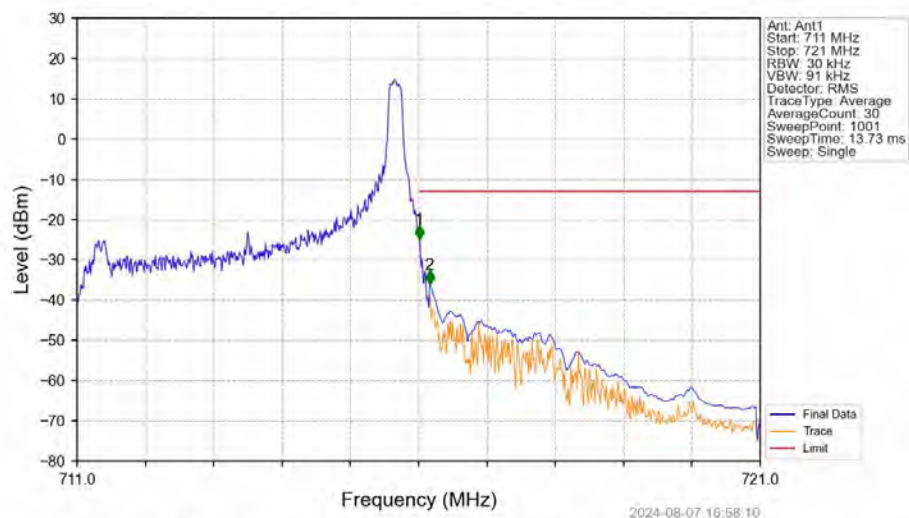
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

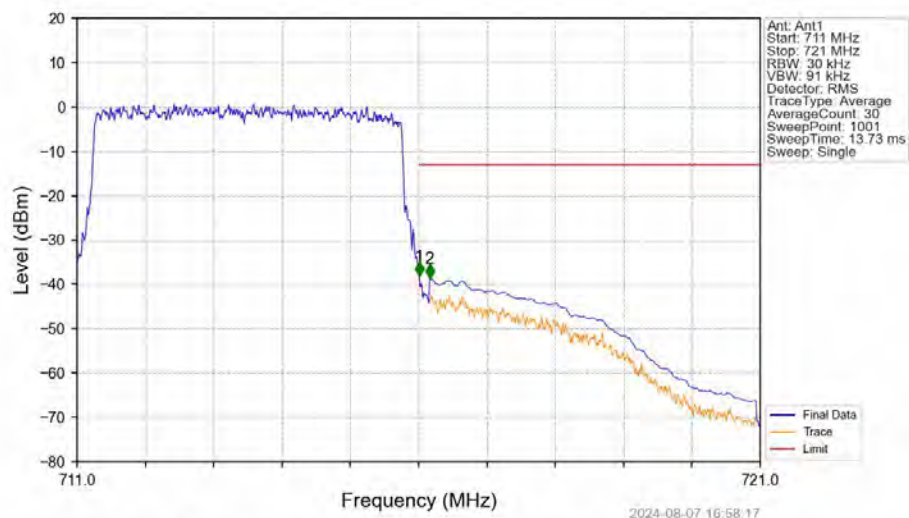


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



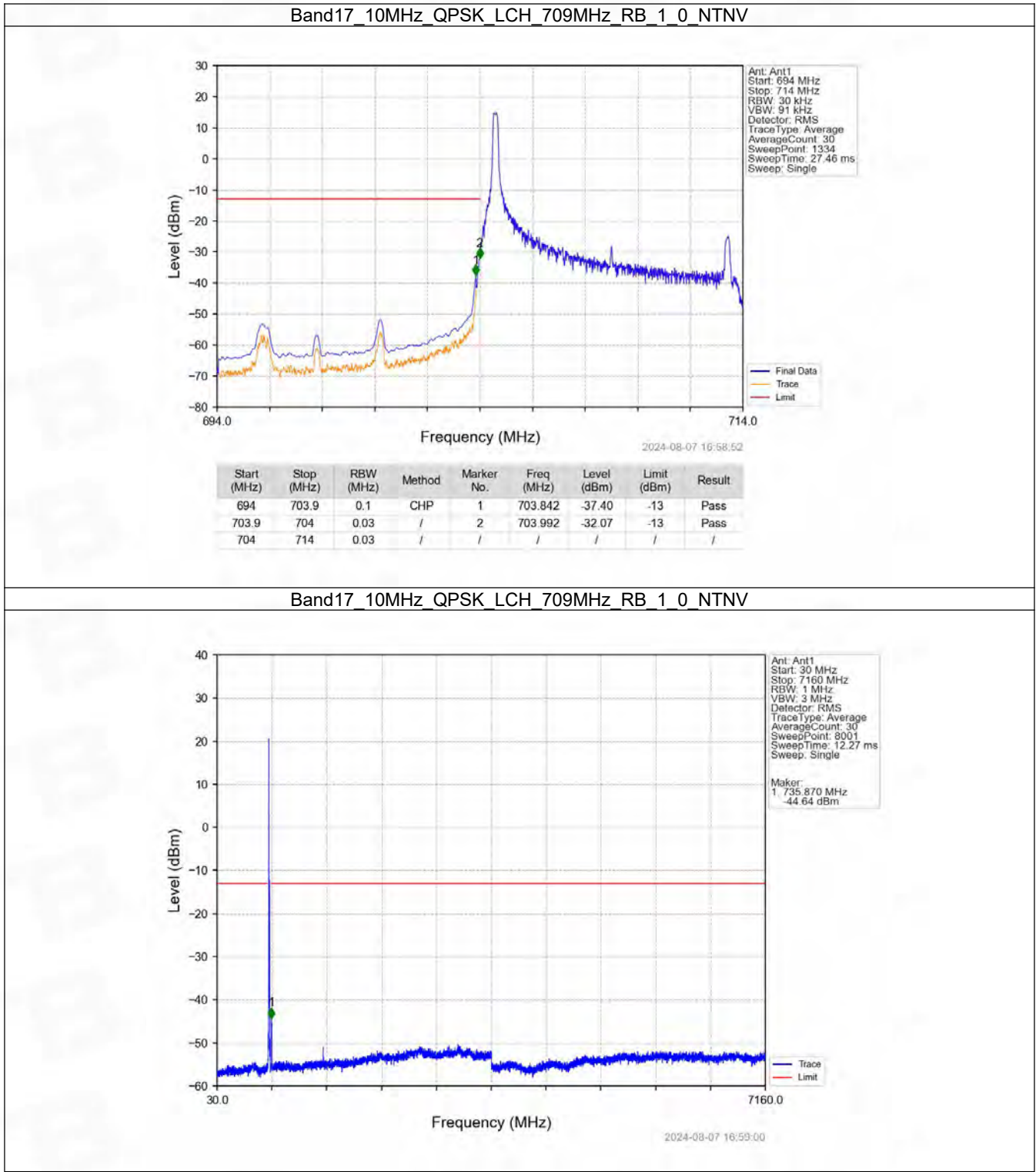
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-24.90	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.00	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

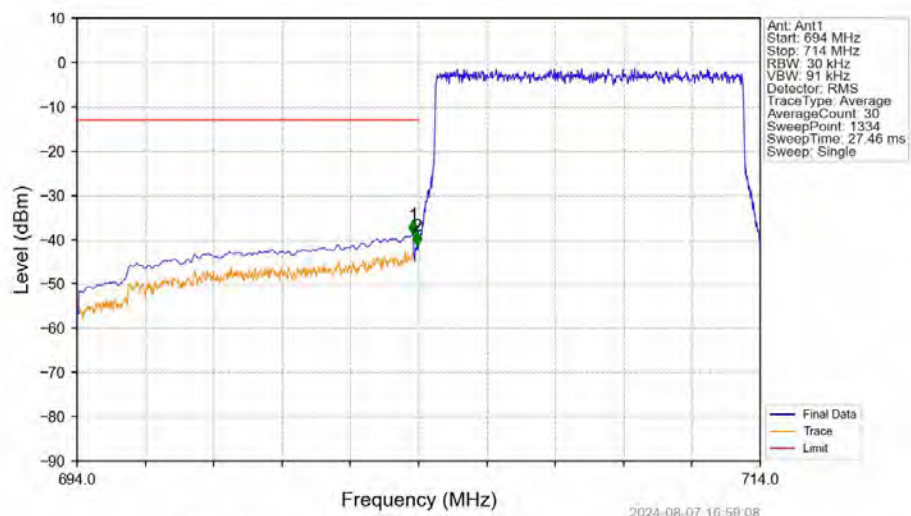


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-38.07	-13	Pass
716.1	721	0.1	CHP	2	716.160	-38.65	-13	Pass

6.2.2 B17_10MHz

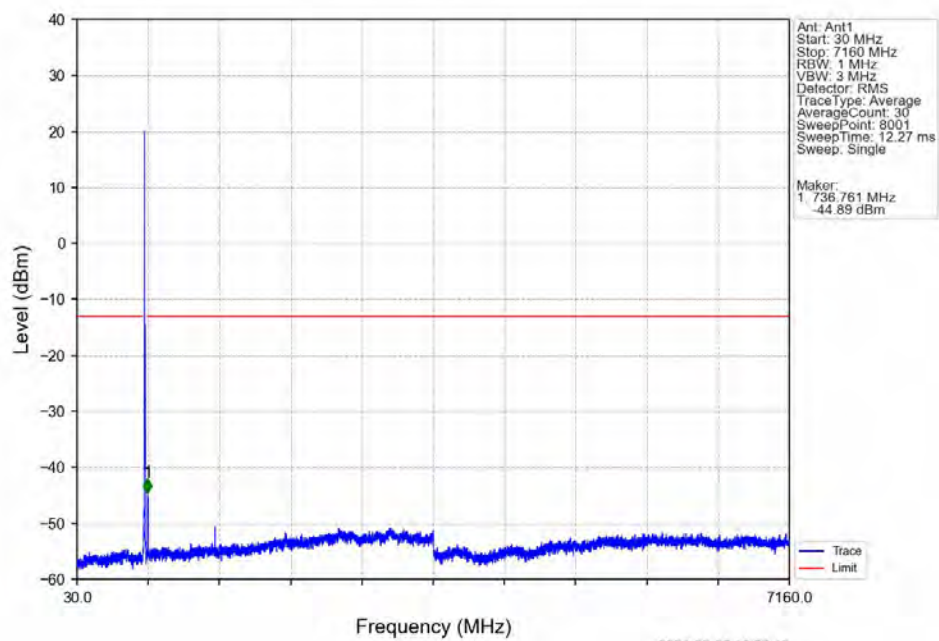


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

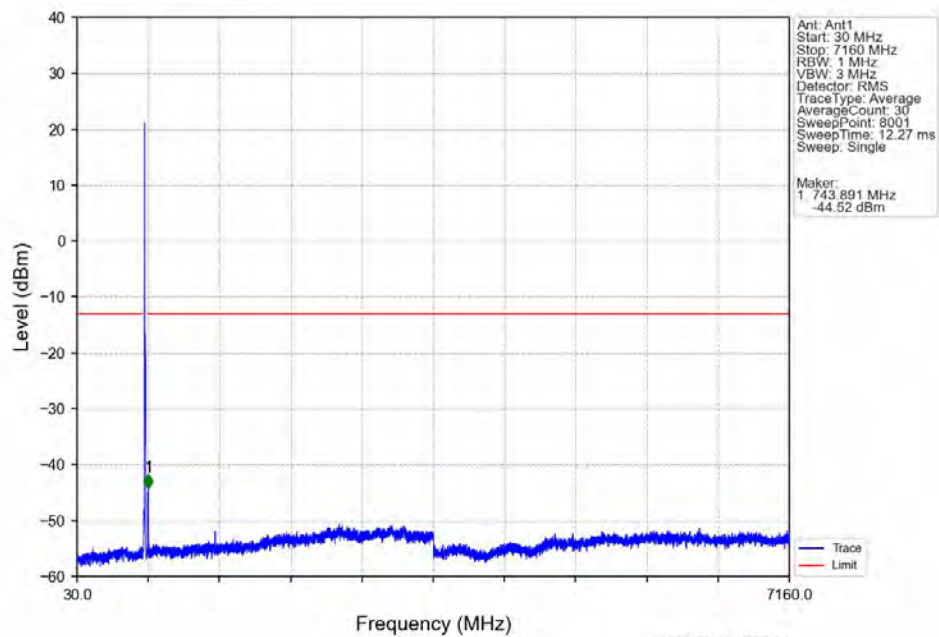


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-38.80	-13	Pass
703.9	704	0.03	/	2	703.962	-41.29	-13	Pass
704	714	0.03	/	/	/	/	/	/

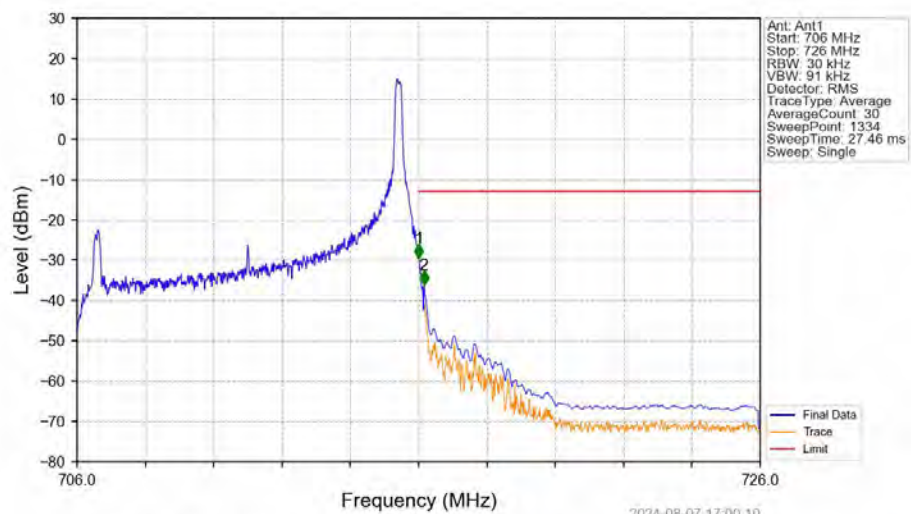
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

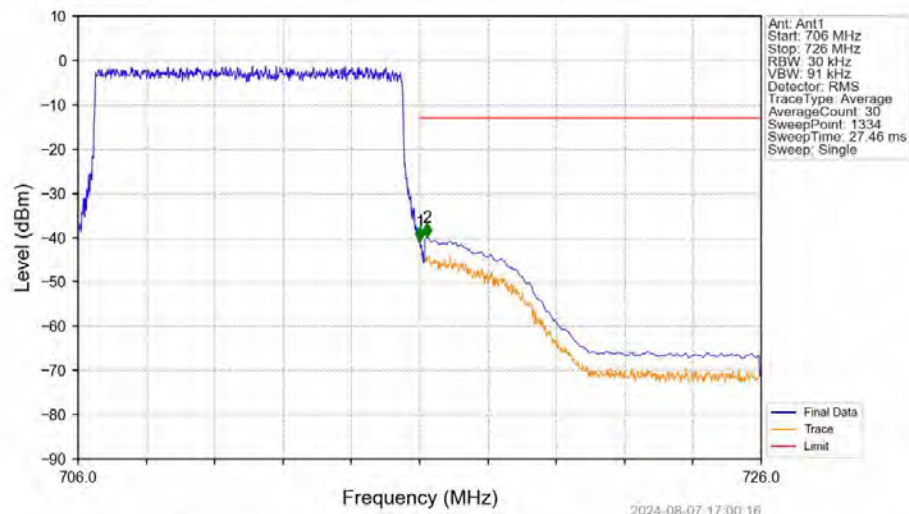


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



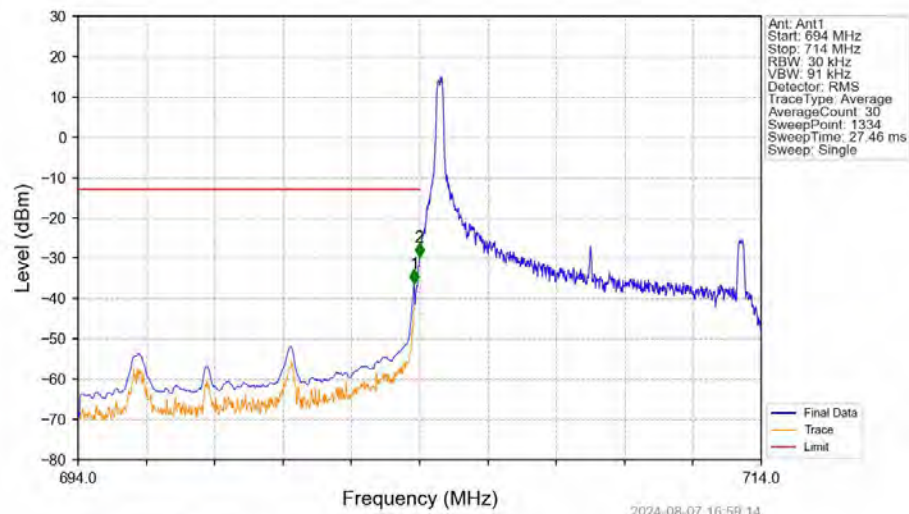
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-29.37	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.11	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



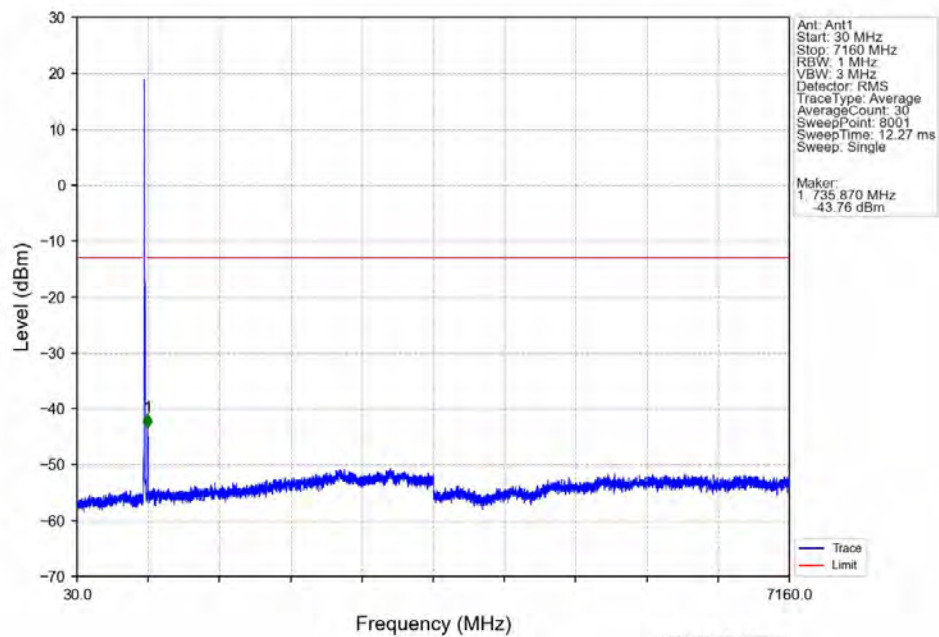
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-40.83	-13	Pass
716.1	726	0.1	CHP	2	716.218	-39.88	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

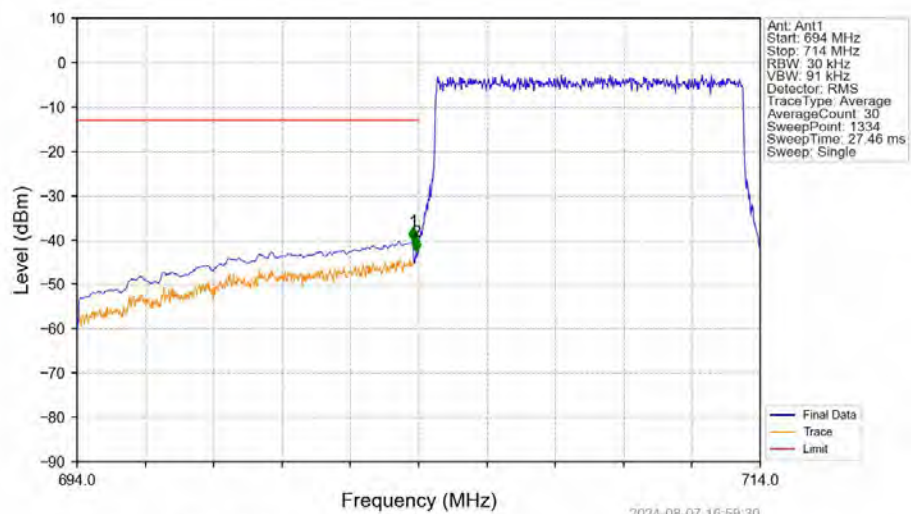


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-36.30	-13	Pass
703.9	704	0.03	/	2	703.992	-29.66	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

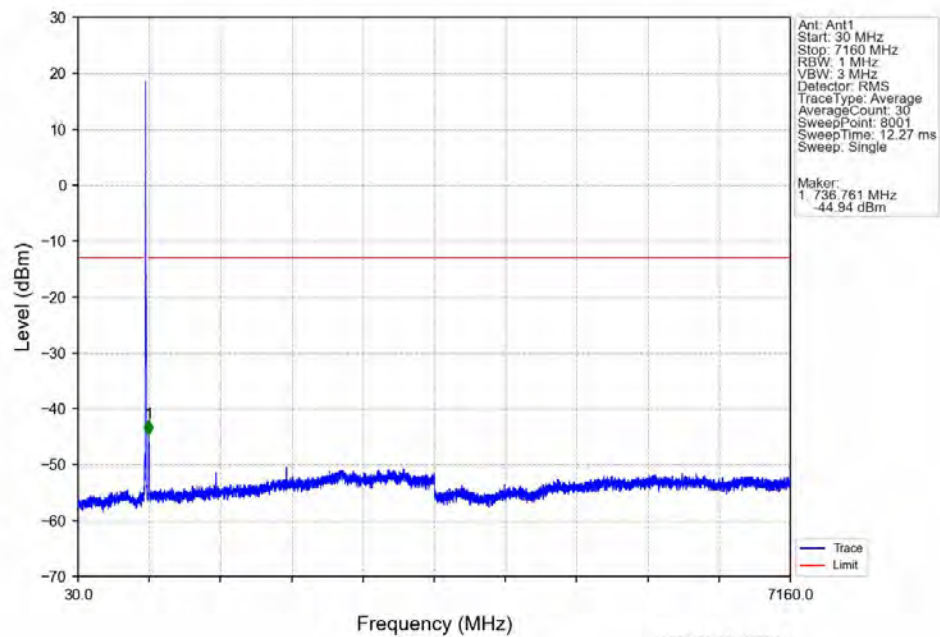


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

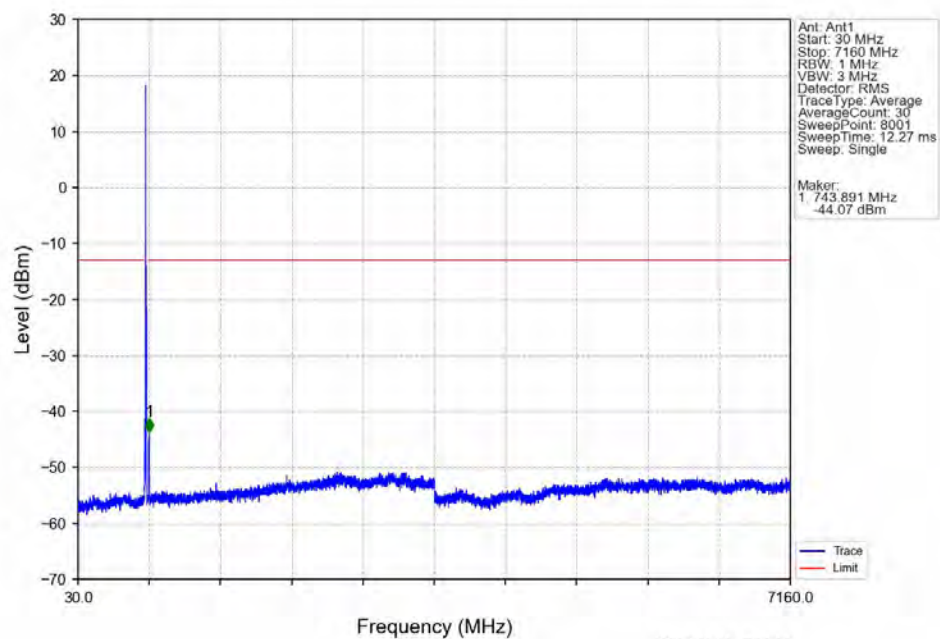


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-40.28	-13	Pass
703.9	704	0.03	/	2	703.932	-42.63	-13	Pass
704	714	0.03	/	/	/	/	/	/

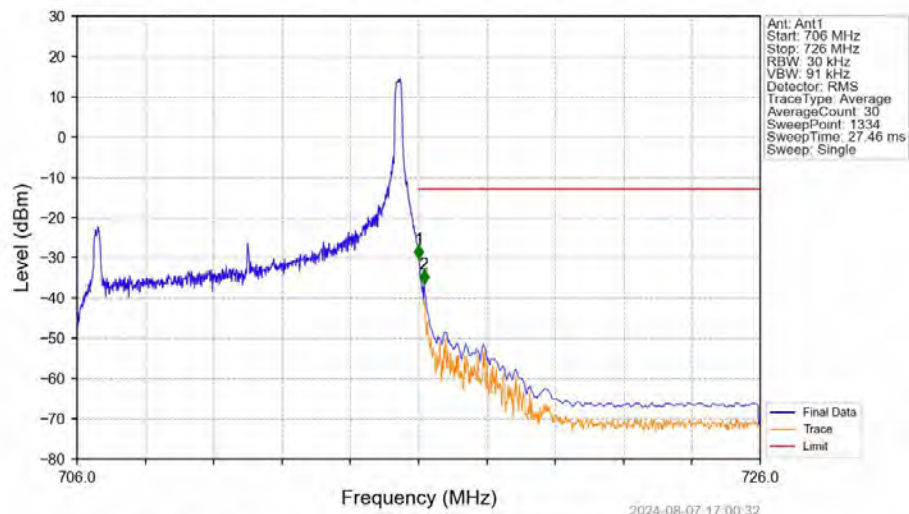
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

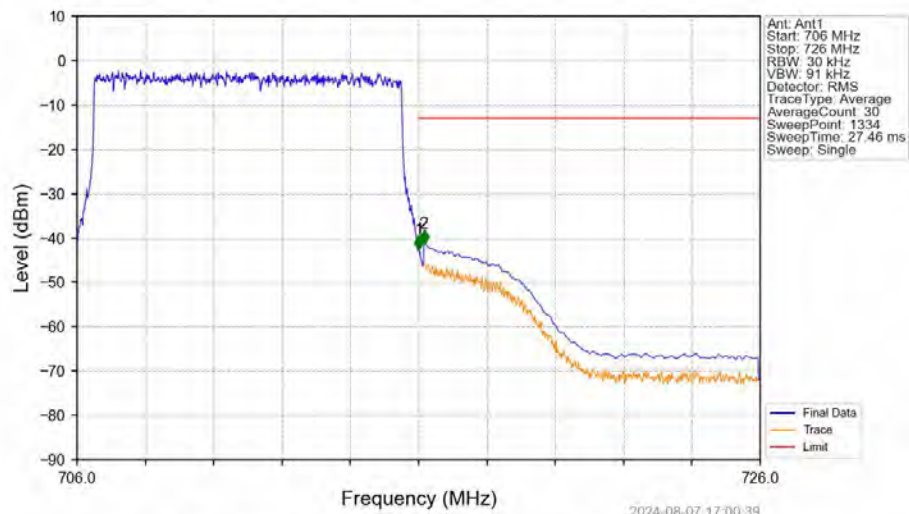


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	716.008	-30.18	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.38	-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	-42.49	-13	Pass
716.1	726	0.1	CHP	2	716.158	-41.22	-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	0.1500	0.0641	ppm	4M56G7D	27H	21.76
17	5	706.5	713.5	0.1343	0.0660	ppm	4M56W7D	27H	21.28
17	10	709	711	0.1517	0.0701	ppm	9M11G7D	27H	21.81
17	10	709	711	0.1380	0.0599	ppm	9M07W7D	27H	21.40

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	0.0536	0.0641	ppm	4M56G7D	27H	17.29
17	5	706.5	713.5	0.0480	0.0660	ppm	4M56W7D	27H	16.81
17	10	709	711	0.0542	0.0701	ppm	9M11G7D	27H	17.34
17	10	709	711	0.0493	0.0599	ppm	9M07W7D	27H	16.93