

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	24.17	-2.55	19.47	<=34.77	Pass
			13	24.30	-2.55	19.60	<=34.77	Pass
			24	24.23	-2.55	19.53	<=34.77	Pass
		12	0	23.23	-2.55	18.53	<=34.77	Pass
			6	23.29	-2.55	18.59	<=34.77	Pass
			13	23.33	-2.55	18.63	<=34.77	Pass
		25	0	23.31	-2.55	18.61	<=34.77	Pass
	710	1	0	24.17	-2.55	19.47	<=34.77	Pass
			13	24.30	-2.55	19.60	<=34.77	Pass
			24	24.24	-2.55	19.54	<=34.77	Pass
		12	0	23.20	-2.55	18.50	<=34.77	Pass
			6	23.27	-2.55	18.57	<=34.77	Pass
			13	23.17	-2.55	18.47	<=34.77	Pass
		25	0	23.21	-2.55	18.51	<=34.77	Pass
	713.5	1	0	24.12	-2.55	19.42	<=34.77	Pass
			13	24.28	-2.55	19.58	<=34.77	Pass
			24	24.20	-2.55	19.50	<=34.77	Pass
		12	0	23.31	-2.55	18.61	<=34.77	Pass
			6	23.32	-2.55	18.62	<=34.77	Pass
			13	23.21	-2.55	18.51	<=34.77	Pass
		25	0	23.30	-2.55	18.60	<=34.77	Pass
16QAM	706.5	1	0	23.43	-2.55	18.73	<=34.77	Pass
			13	23.53	-2.55	18.83	<=34.77	Pass
			24	23.47	-2.55	18.77	<=34.77	Pass
		12	0	22.24	-2.55	17.54	<=34.77	Pass
			6	22.30	-2.55	17.60	<=34.77	Pass
			13	22.34	-2.55	17.64	<=34.77	Pass
		25	0	22.37	-2.55	17.67	<=34.77	Pass
	710	1	0	23.33	-2.55	18.63	<=34.77	Pass
			13	23.46	-2.55	18.76	<=34.77	Pass
			24	23.38	-2.55	18.68	<=34.77	Pass
		12	0	22.22	-2.55	17.52	<=34.77	Pass
			6	22.28	-2.55	17.58	<=34.77	Pass
			13	22.17	-2.55	17.47	<=34.77	Pass
		25	0	22.23	-2.55	17.53	<=34.77	Pass
	713.5	1	0	23.28	-2.55	18.58	<=34.77	Pass
			13	23.49	-2.55	18.79	<=34.77	Pass
			24	23.37	-2.55	18.67	<=34.77	Pass
		12	0	22.38	-2.55	17.68	<=34.77	Pass
			6	22.39	-2.55	17.69	<=34.77	Pass
			13	22.26	-2.55	17.56	<=34.77	Pass
		25	0	22.37	-2.55	17.67	<=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	24.17	-2.55	19.47	<=34.77	Pass
			25	24.37	-2.55	19.67	<=34.77	Pass
			49	24.25	-2.55	19.55	<=34.77	Pass
		25	0	23.20	-2.55	18.50	<=34.77	Pass
			13	23.29	-2.55	18.59	<=34.77	Pass
			25	23.18	-2.55	18.48	<=34.77	Pass
		50	0	23.23	-2.55	18.53	<=34.77	Pass
	710	1	0	24.27	-2.55	19.57	<=34.77	Pass
			25	24.45	-2.55	19.75	<=34.77	Pass
			49	24.33	-2.55	19.63	<=34.77	Pass
		25	0	23.16	-2.55	18.46	<=34.77	Pass
			13	23.28	-2.55	18.58	<=34.77	Pass
			25	23.17	-2.55	18.47	<=34.77	Pass
		50	0	23.17	-2.55	18.47	<=34.77	Pass
	711	1	0	24.20	-2.55	19.50	<=34.77	Pass
			25	24.39	-2.55	19.69	<=34.77	Pass
			49	24.31	-2.55	19.61	<=34.77	Pass
		25	0	23.20	-2.55	18.50	<=34.77	Pass
			13	23.29	-2.55	18.59	<=34.77	Pass
			25	23.18	-2.55	18.48	<=34.77	Pass
16QAM	709	1	0	23.36	-2.55	18.66	<=34.77	Pass
			25	23.51	-2.55	18.81	<=34.77	Pass
			49	23.40	-2.55	18.70	<=34.77	Pass
		25	0	22.27	-2.55	17.57	<=34.77	Pass
			13	22.36	-2.55	17.66	<=34.77	Pass
			25	22.23	-2.55	17.53	<=34.77	Pass
		50	0	22.23	-2.55	17.53	<=34.77	Pass
	710	1	0	23.30	-2.55	18.60	<=34.77	Pass
			25	23.41	-2.55	18.71	<=34.77	Pass
			49	23.38	-2.55	18.68	<=34.77	Pass
		25	0	22.27	-2.55	17.57	<=34.77	Pass
			13	22.37	-2.55	17.67	<=34.77	Pass
			25	22.27	-2.55	17.57	<=34.77	Pass
		50	0	22.25	-2.55	17.55	<=34.77	Pass
	711	1	0	23.41	-2.55	18.71	<=34.77	Pass
			25	23.43	-2.55	18.73	<=34.77	Pass
			49	23.50	-2.55	18.80	<=34.77	Pass
		25	0	22.28	-2.55	17.58	<=34.77	Pass
			13	22.39	-2.55	17.69	<=34.77	Pass
			25	22.28	-2.55	17.58	<=34.77	Pass
	50	0	0	22.24	-2.55	17.54	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-6.680	-0.0095	-2.5 to 2.5	Pass

					3.85	-4.921	-0.0070	-2.5 to 2.5	Pass
					4.43	-8.454	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-7.324	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-7.968	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-7.339	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-7.038	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-6.924	-0.0098	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-4.692	-0.0066	-2.5 to 2.5	Pass
					3.85	-6.423	-0.0090	-2.5 to 2.5	Pass
					4.43	-6.337	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-8.869	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-6.194	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-9.227	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-6.652	-0.0094	-2.5 to 2.5	Pass
	50	3.85	-5.865	-0.0083	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-8.984	-0.0126	-2.5 to 2.5	Pass
					3.85	-9.069	-0.0127	-2.5 to 2.5	Pass
					4.43	-5.221	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-6.409	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-6.380	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-8.869	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-6.051	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-8.512	-0.0119	-2.5 to 2.5	Pass
50	3.85	-5.722	-0.0080	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	-5.164	-0.0073	-2.5 to 2.5	Pass
					3.85	-6.781	-0.0096	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-7.339	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-7.911	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0075	-2.5 to 2.5	Pass
	50	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-6.337	-0.0089	-2.5 to 2.5	Pass
					3.85	-8.197	-0.0115	-2.5 to 2.5	Pass
					4.43	-6.995	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.008	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-6.065	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-10.171	-0.0143	-2.5 to 2.5	Pass
				10	3.85	-6.208	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-5.736	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-6.166	-0.0087	-2.5 to 2.5	Pass
	50	3.85	-4.220	-0.0059	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-6.623	-0.0093	-2.5 to 2.5	Pass
					3.85	-9.842	-0.0138	-2.5 to 2.5	Pass
					4.43	-9.155	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-8.826	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-7.968	-0.0112	-2.5 to 2.5	Pass

				-10	3.85	-8.011	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-2.217	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-6.852	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-2.818	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0081	-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	-2.904	-0.0041	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0061	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-10.242	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-8.826	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-3.462	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-9.341	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-6.595	-0.0093	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-7.410	-0.0104	-2.5 to 2.5	Pass
					3.85	-9.570	-0.0135	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.103	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-5.407	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-9.241	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-7.710	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-3.662	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-5.522	-0.0078	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.925	-0.0111	-2.5 to 2.5	Pass
					3.85	-9.613	-0.0135	-2.5 to 2.5	Pass
					4.43	-8.411	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-10.743	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-7.710	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-7.439	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0038	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-3.219	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.250	-0.0074	-2.5 to 2.5	Pass
					4.43	-8.368	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-8.311	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-7.725	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-10.128	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-8.683	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-7.939	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-7.753	-0.0109	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0079	-2.5 to 2.5	Pass

					4.43	-7.038	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-6.495	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-6.566	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-7.682	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-7.582	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-5.436	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-6.952	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-1.874	-0.0026	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-3.347	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
					4.43	-5.250	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-7.024	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-6.638	-0.0093	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

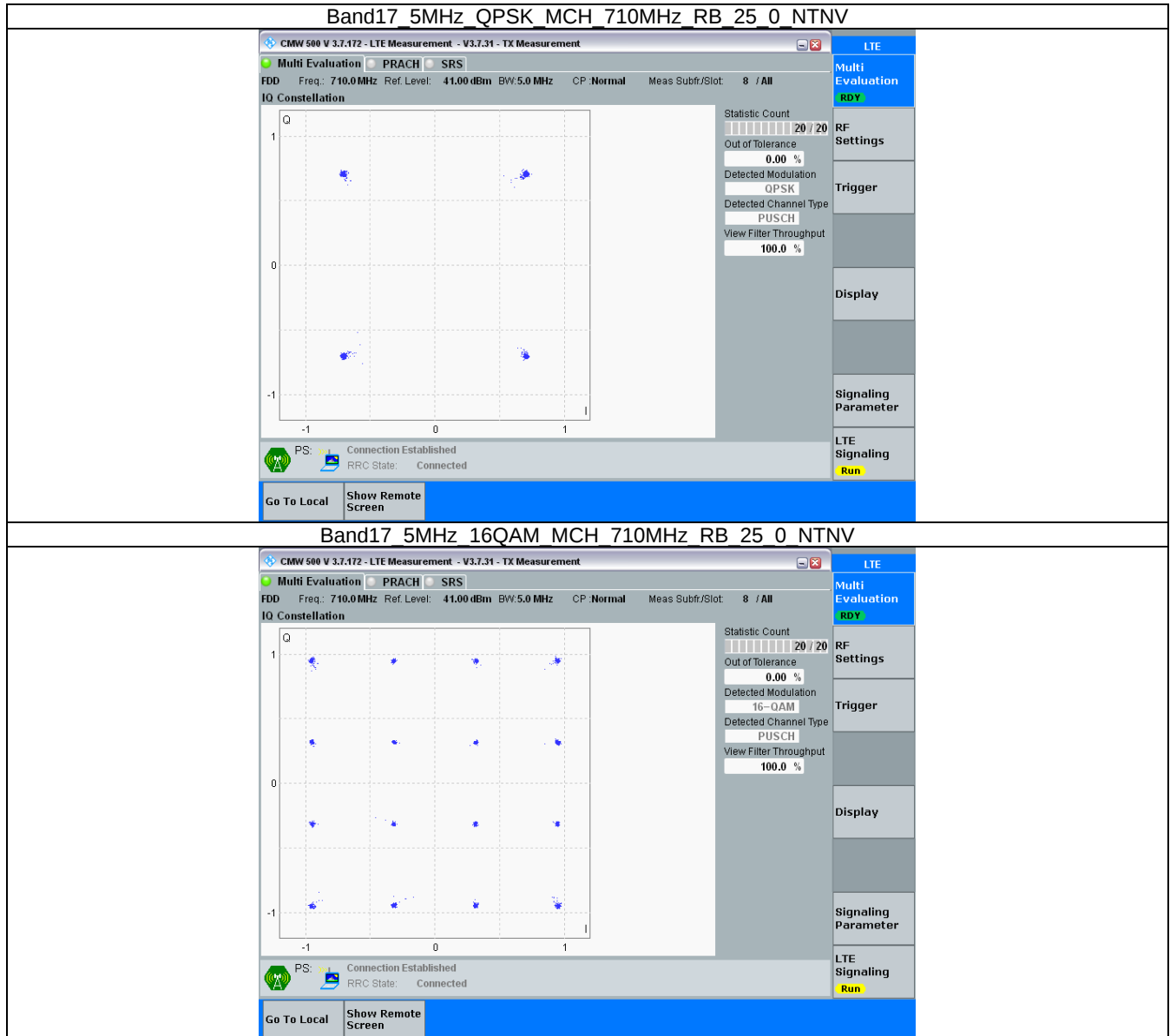
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

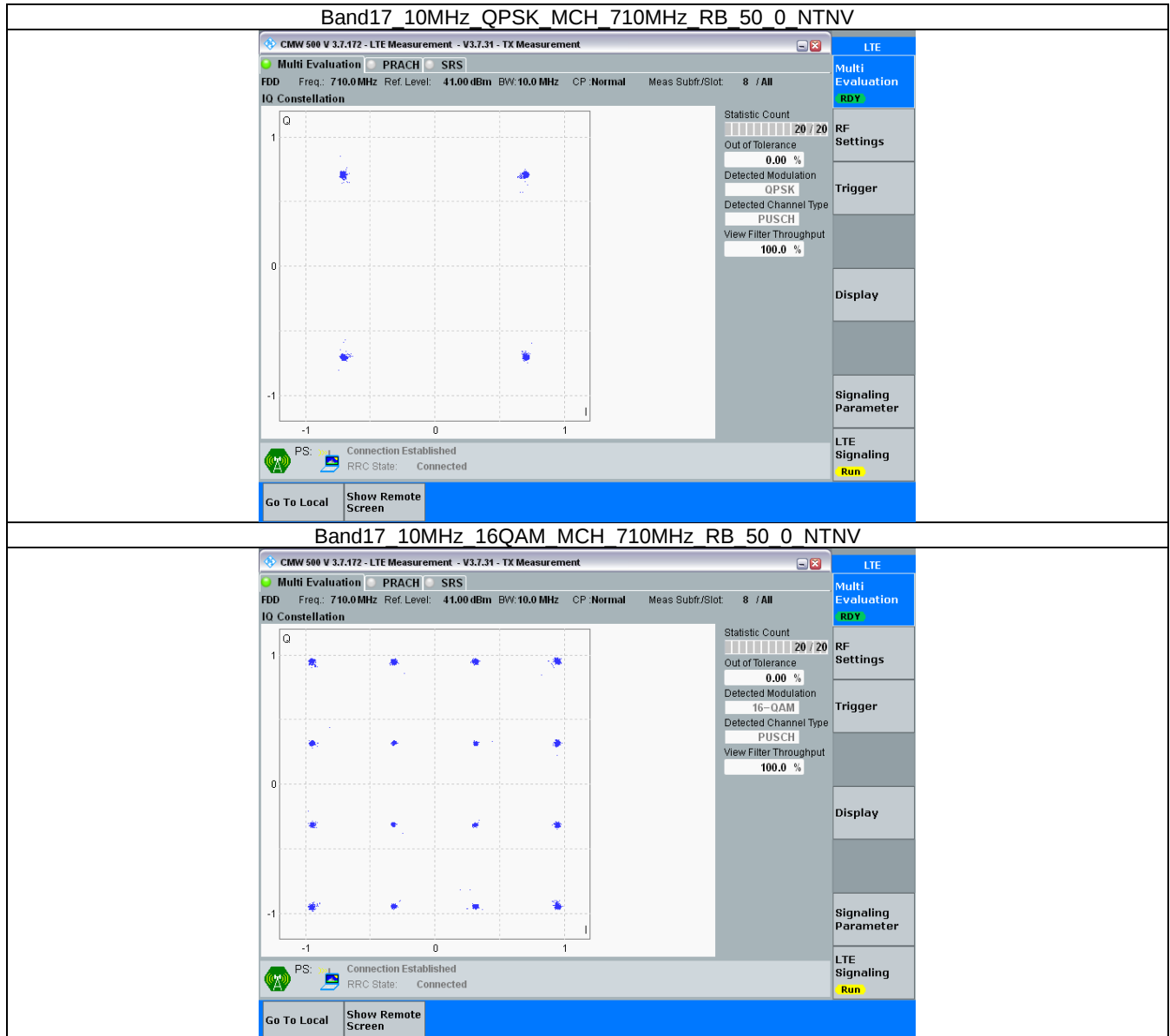
Band: 17 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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	4.577	/	Pass
		710	25	0	4.558	/	Pass
		713.5	25	0	4.592	/	Pass
	16QAM	706.5	25	0	4.586	/	Pass
		710	25	0	4.580	/	Pass
		713.5	25	0	4.573	/	Pass
10	QPSK	709	50	0	9.072	/	Pass
		710	50	0	9.049	/	Pass
		711	50	0	9.072	/	Pass
	16QAM	709	50	0	9.063	/	Pass
		710	50	0	9.033	/	Pass
		711	50	0	9.049	/	Pass

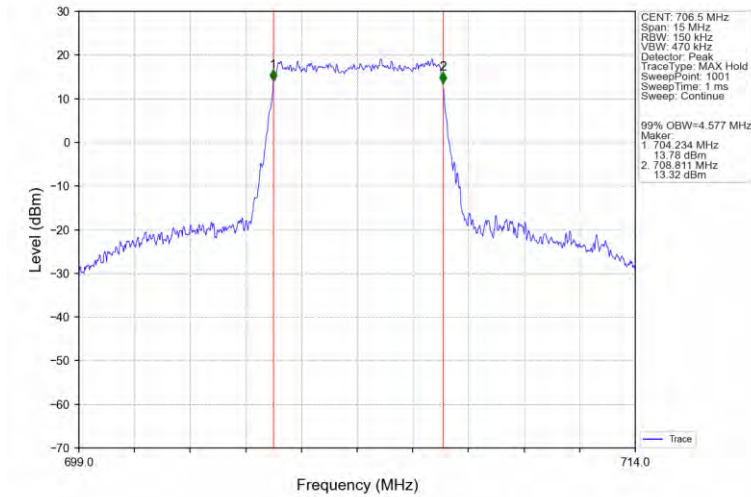
4.1.2 Band17_XDB

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.268	/	Pass
		710	25	0	5.166	/	Pass
		713.5	25	0	5.325	/	Pass
	16QAM	706.5	25	0	5.327	/	Pass
		710	25	0	5.264	/	Pass
		713.5	25	0	5.213	/	Pass
10	QPSK	709	50	0	10.257	/	Pass
		710	50	0	10.240	/	Pass
		711	50	0	10.279	/	Pass
	16QAM	709	50	0	10.246	/	Pass
		710	50	0	10.155	/	Pass
		711	50	0	10.185	/	Pass

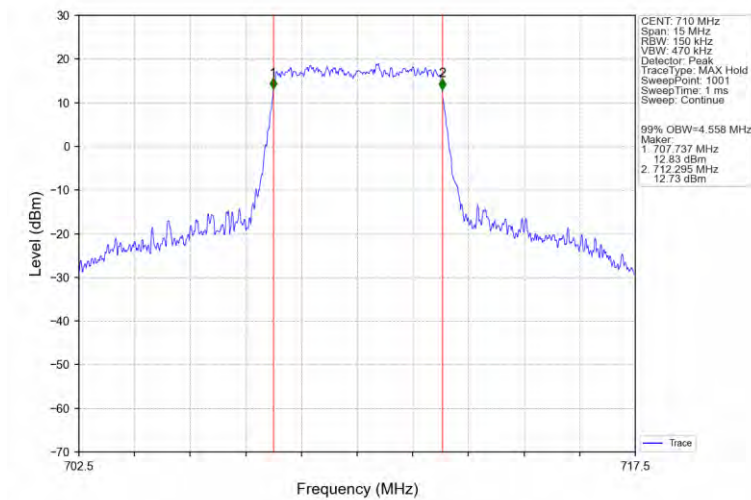
4.2 Test Graph

4.2.1 Band17_OBW

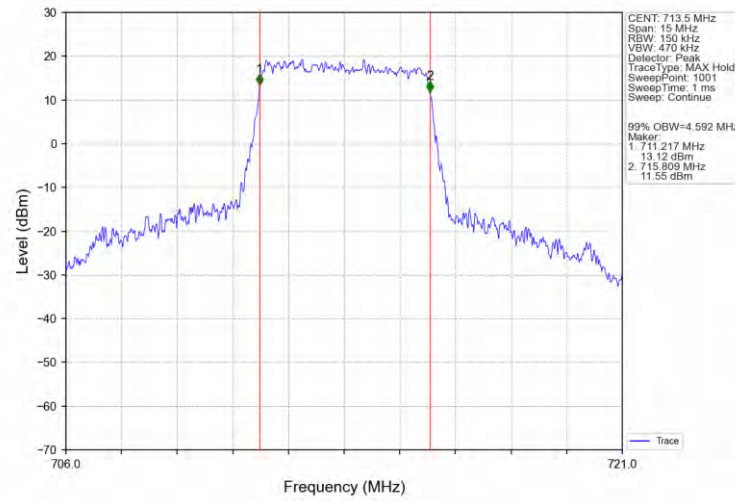
Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV



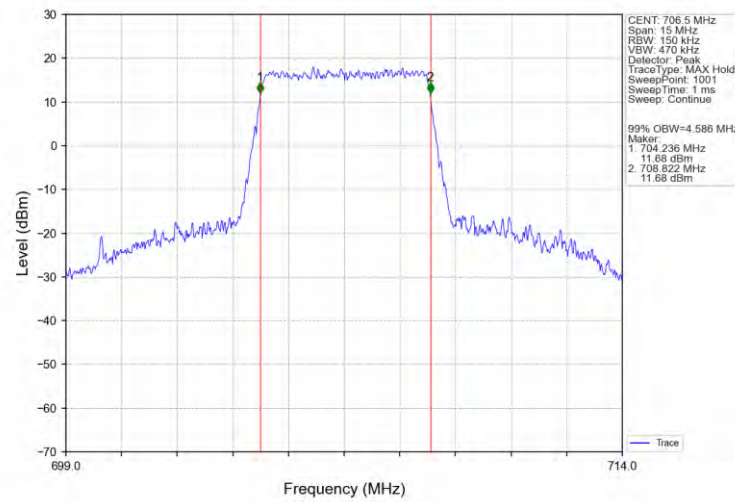
Band17 5MHz QPSK MCH 710MHz RB 25 0 NTNV



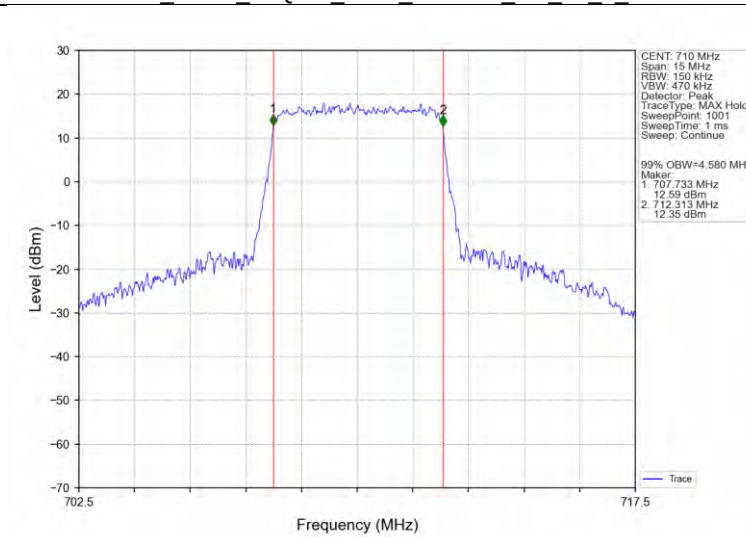
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



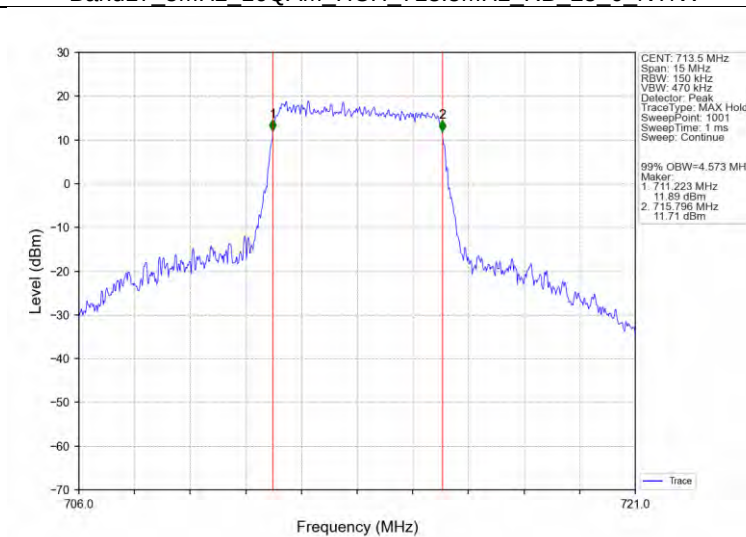
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



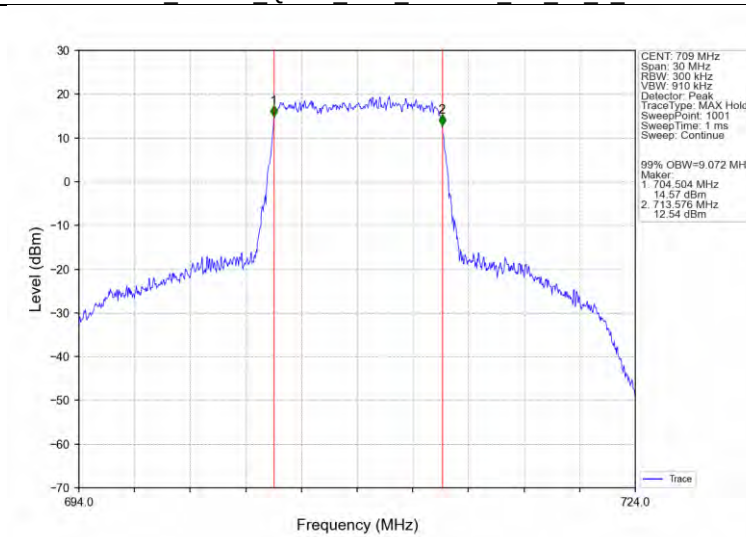
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



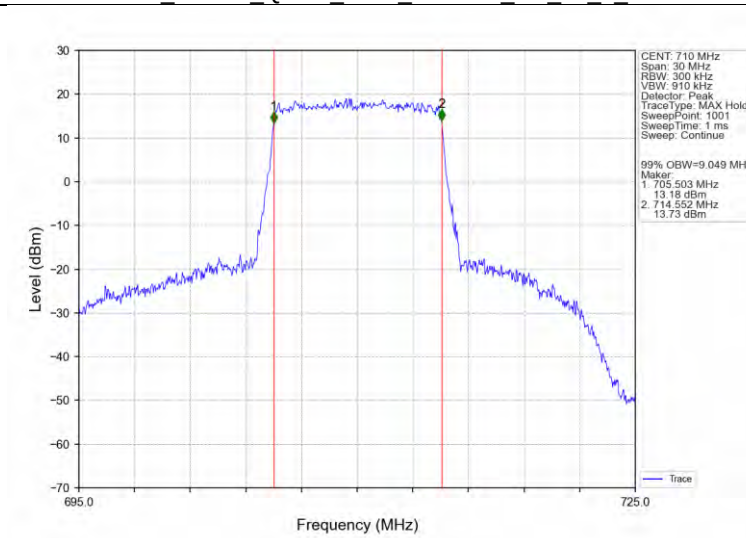
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



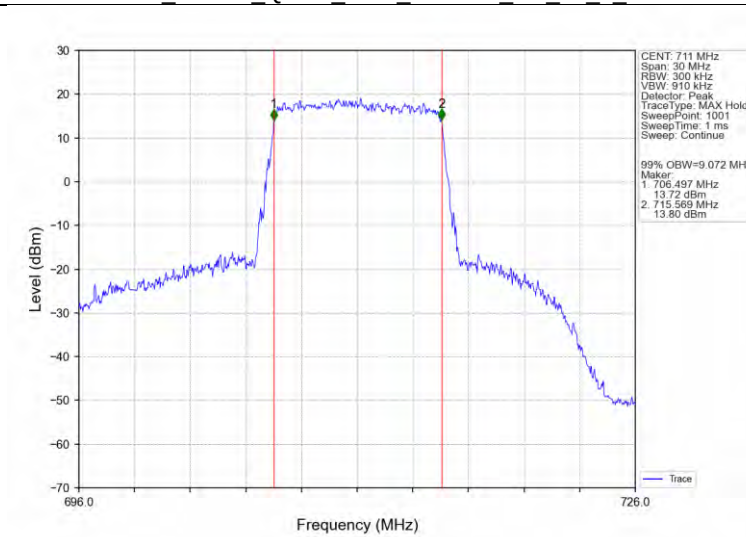
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



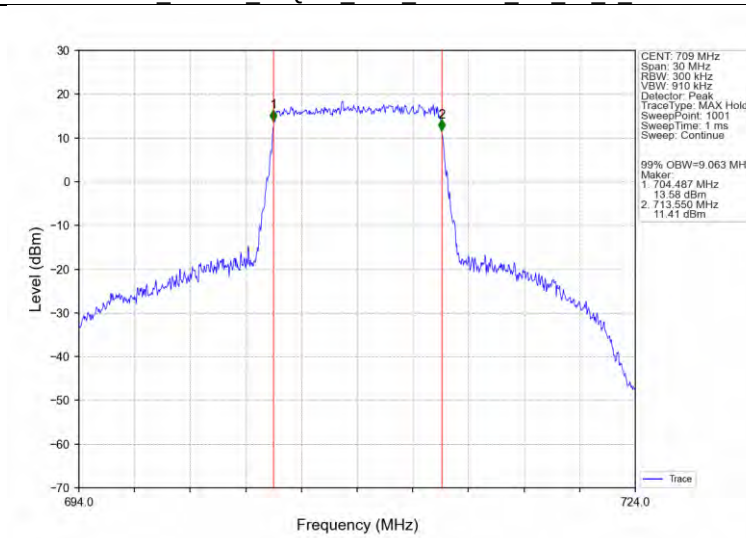
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



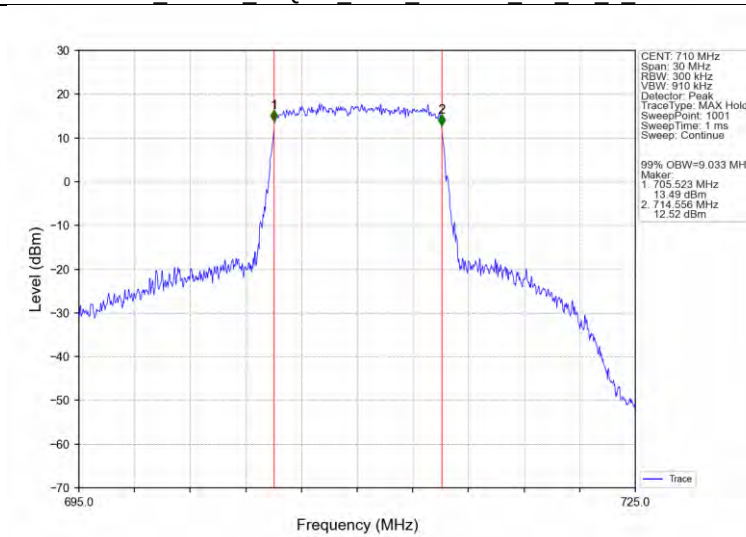
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



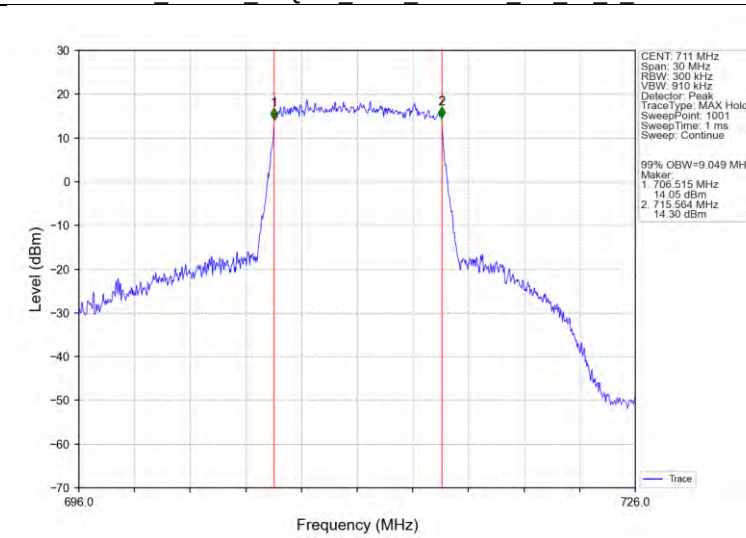
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

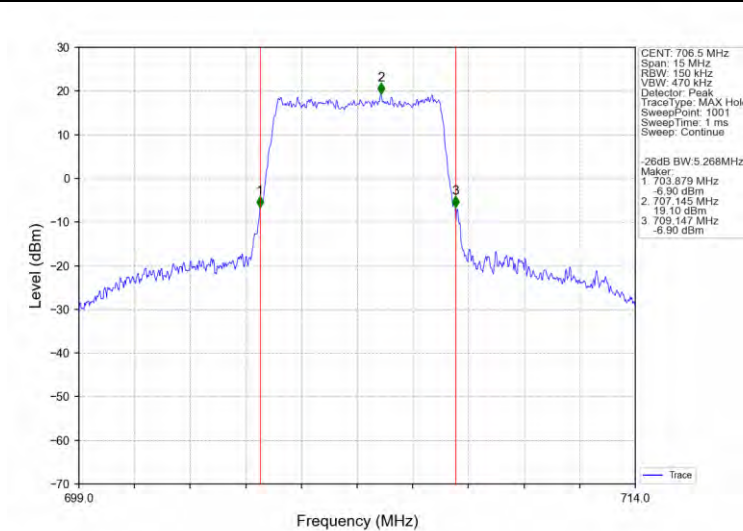


Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

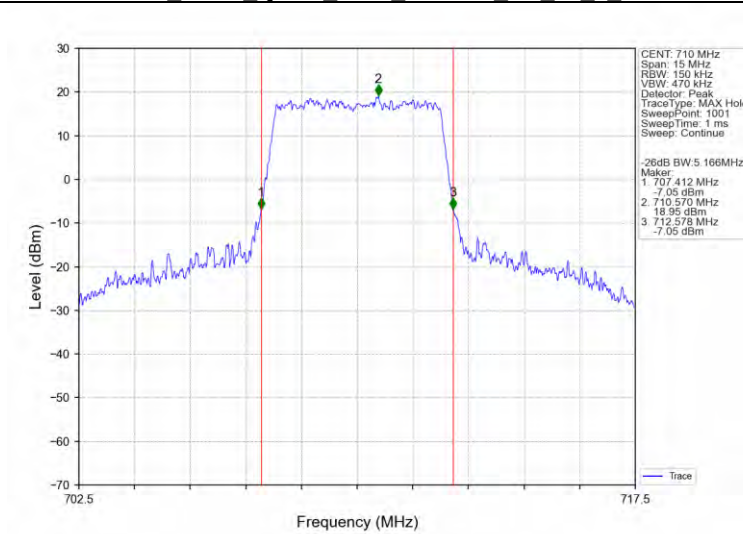


4.2.2 Band17_XDB

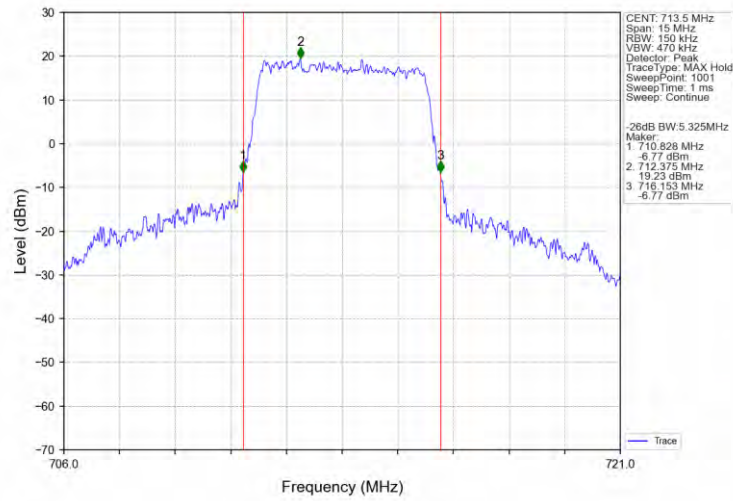
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



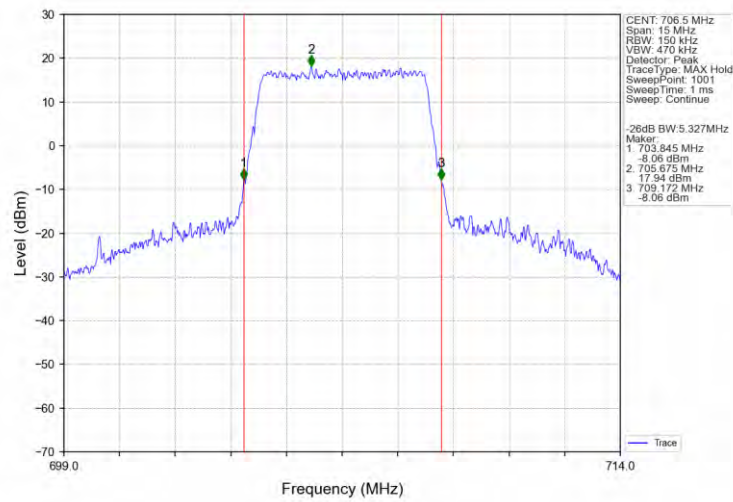
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



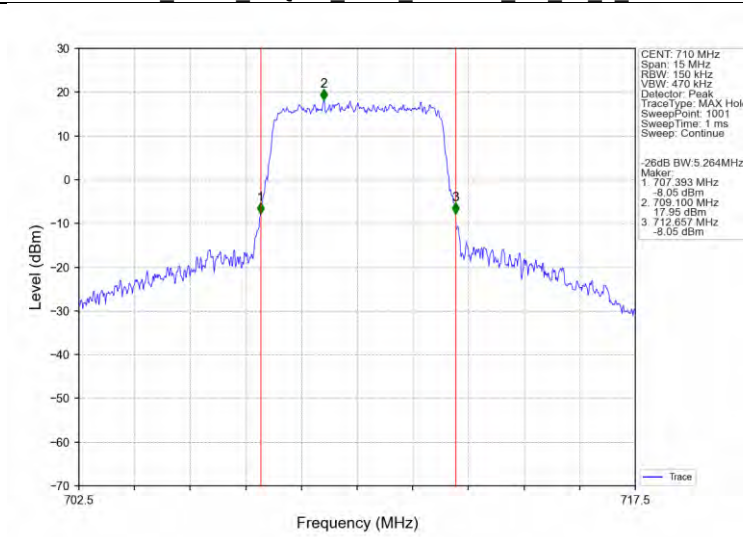
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



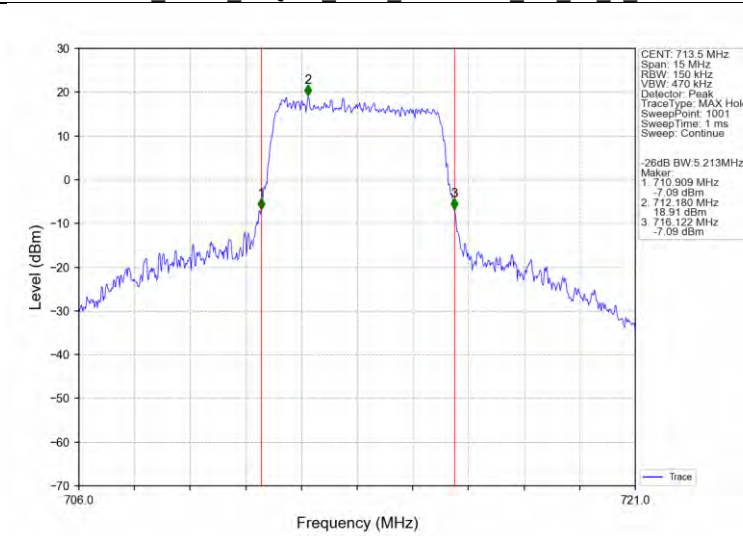
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



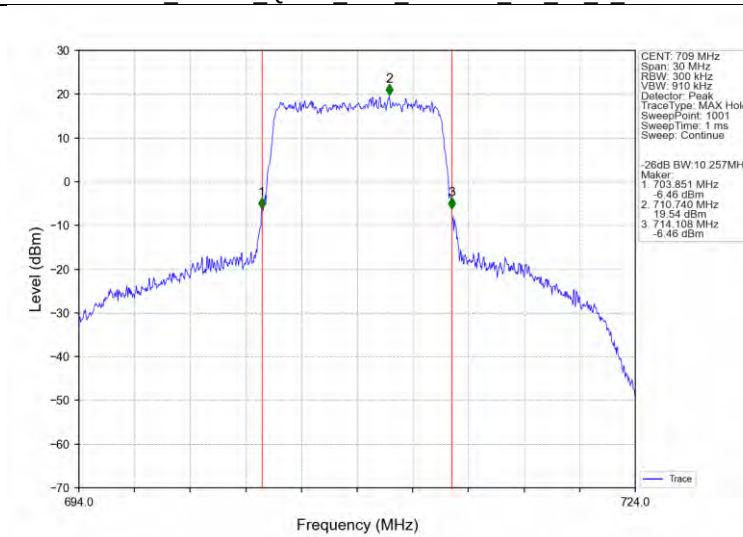
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



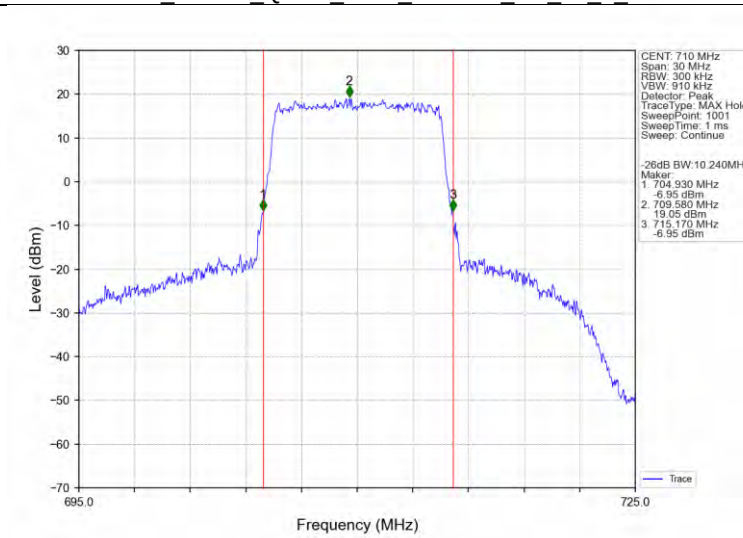
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



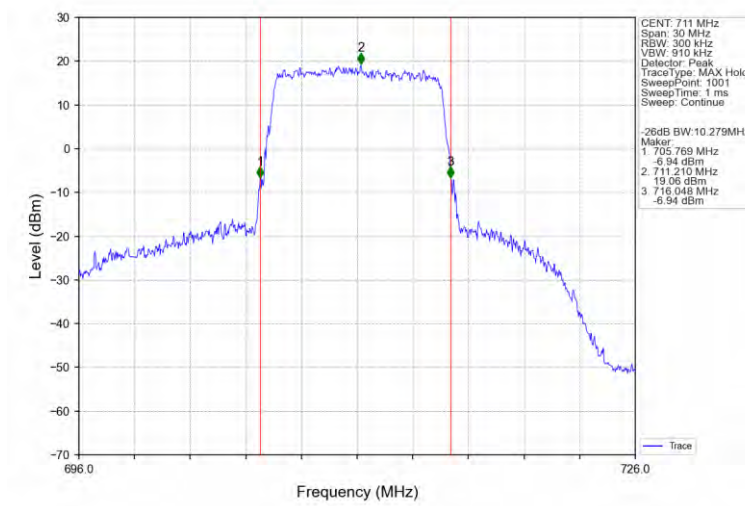
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



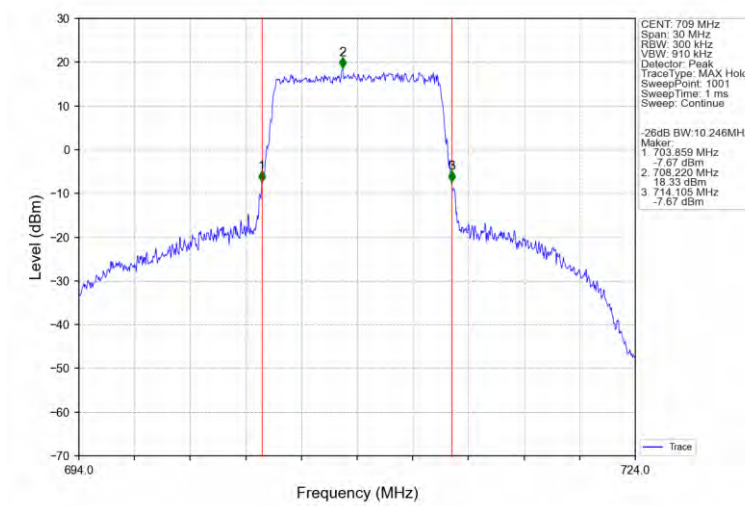
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



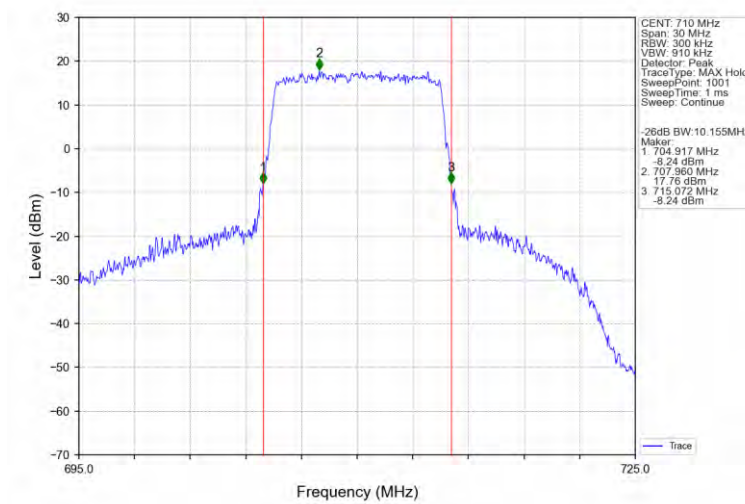
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



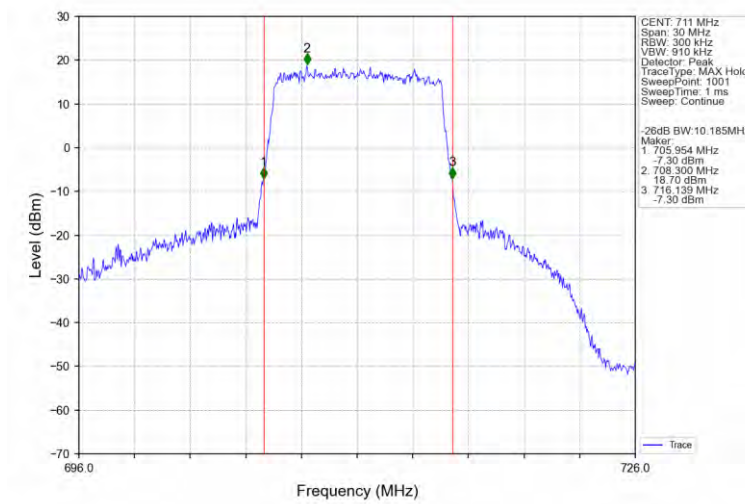
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

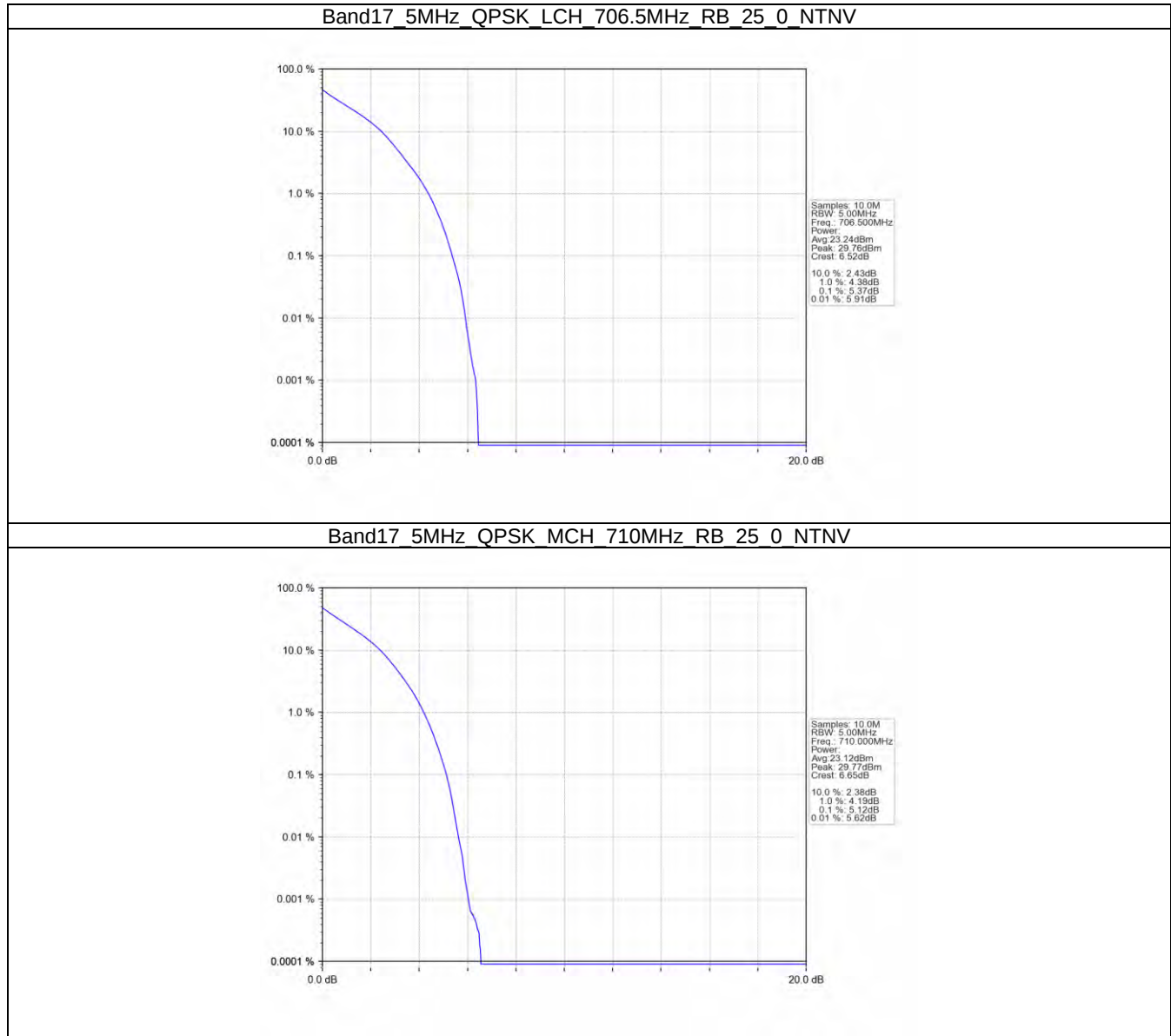
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.37	<=13	Pass
	710	25	0	5.12	<=13	Pass
	713.5	25	0	5.24	<=13	Pass
16QAM	706.5	25	0	6.10	<=13	Pass
	710	25	0	5.81	<=13	Pass
	713.5	25	0	5.91	<=13	Pass

5.1.2 B17_10MHz

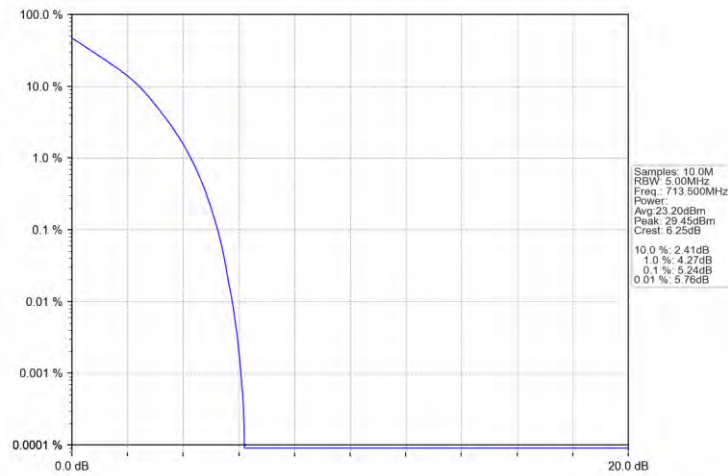
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.23	<=13	Pass
	710	50	0	5.22	<=13	Pass
	711	50	0	5.16	<=13	Pass
16QAM	709	50	0	5.99	<=13	Pass
	710	50	0	5.96	<=13	Pass
	711	50	0	5.94	<=13	Pass

5.2 Test Graph

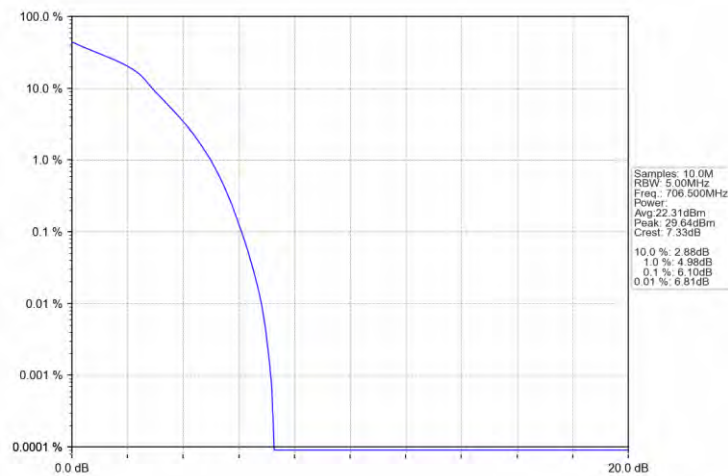
5.2.1 B17_5MHz



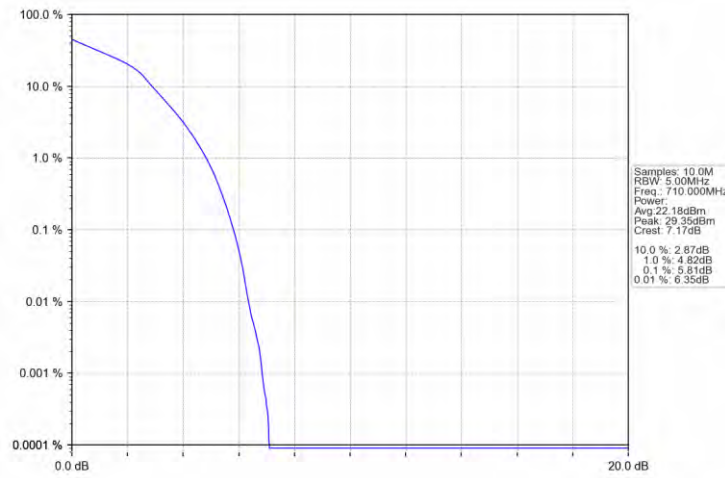
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



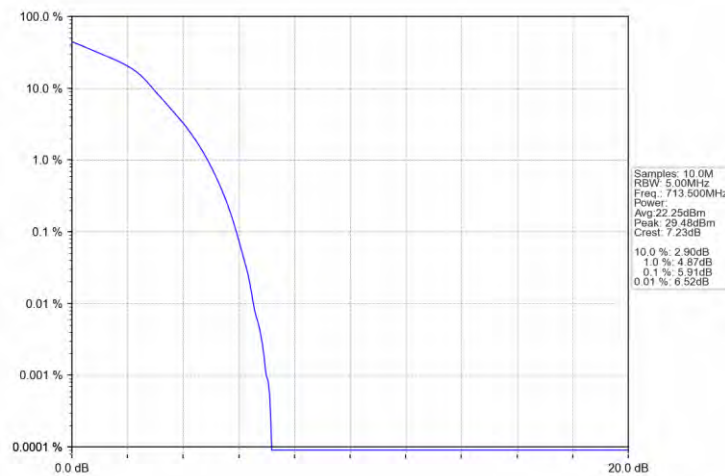
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

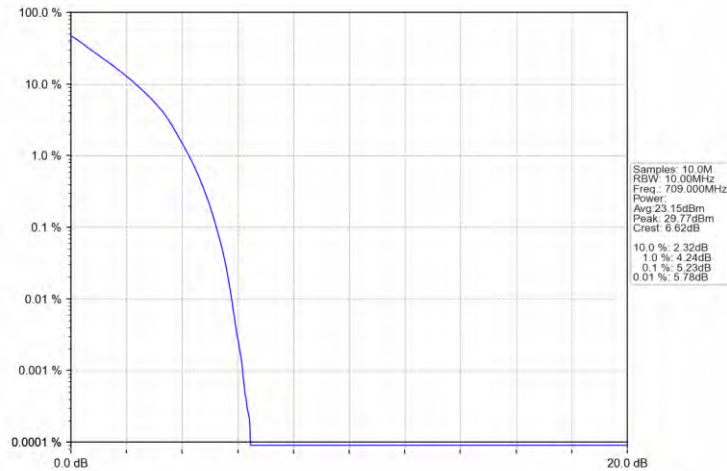


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

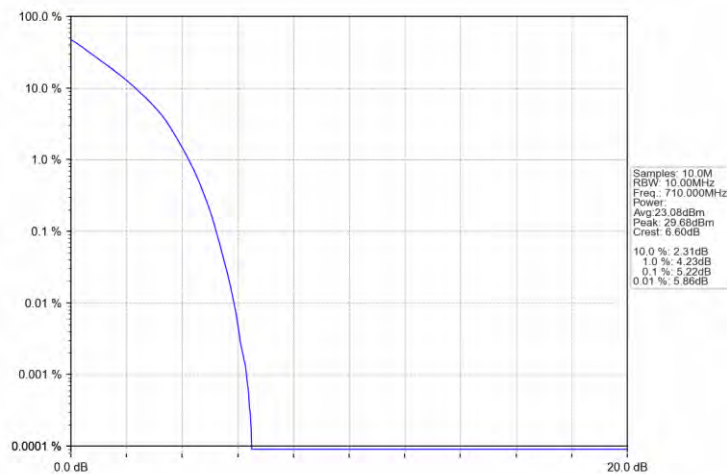


5.2.2 B17_10MHz

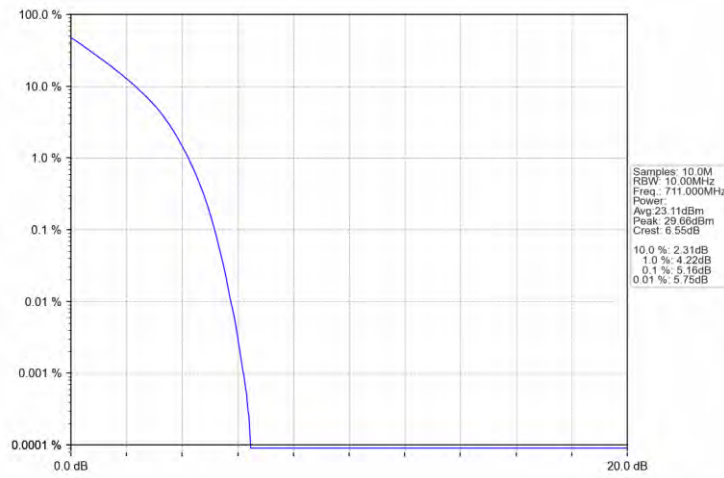
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



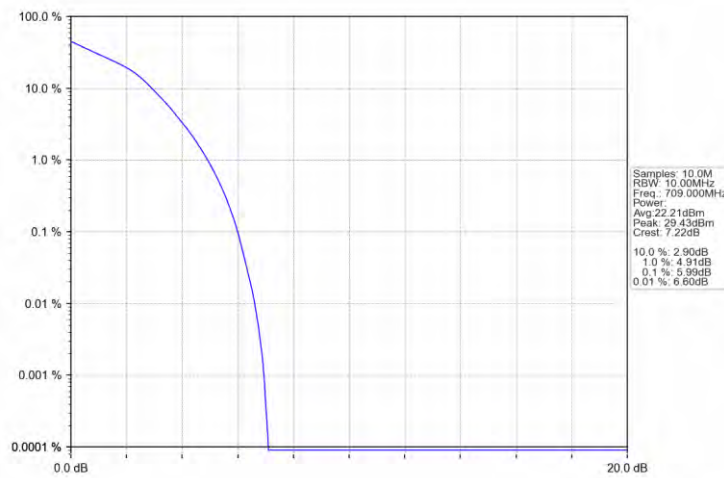
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



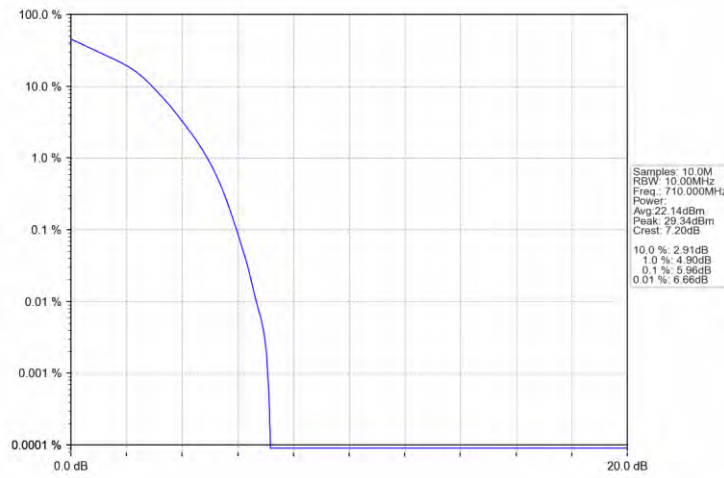
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



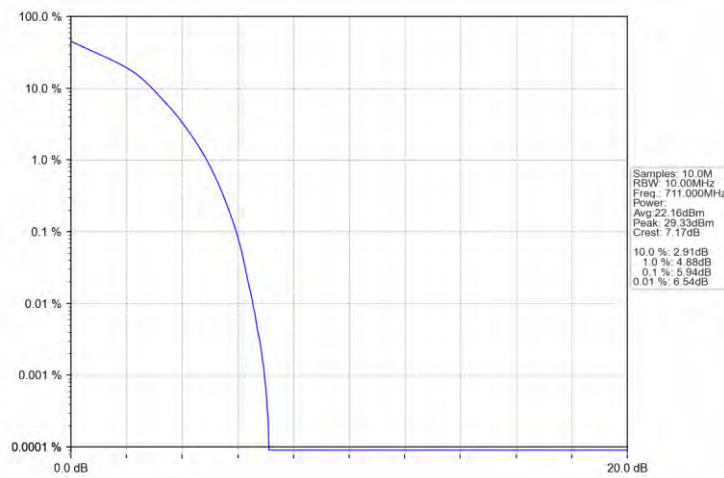
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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	
		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

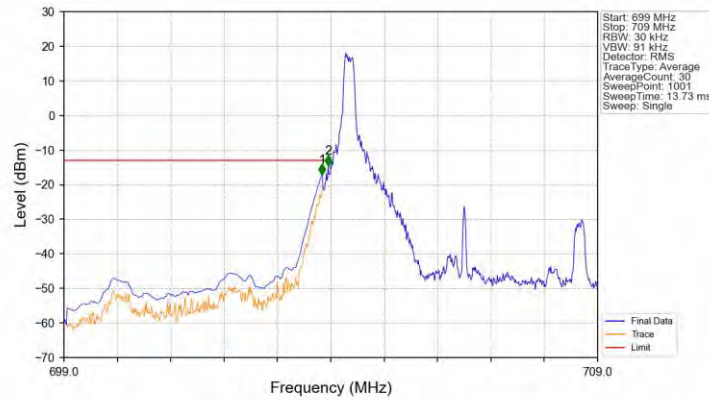
6.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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

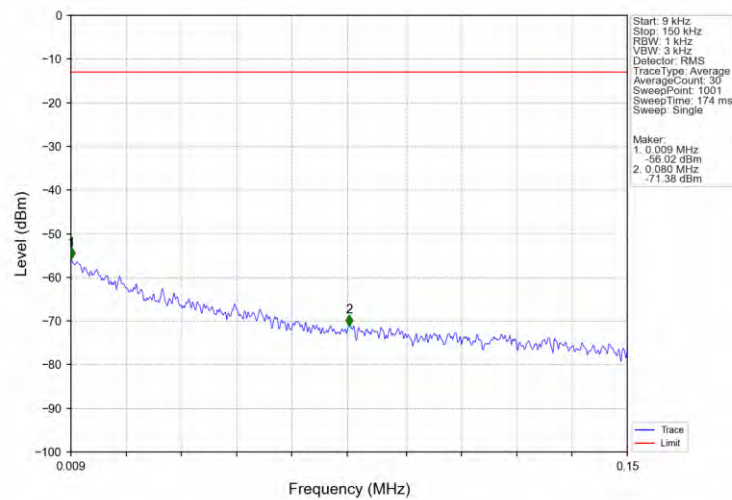
6.2.1 B17_5MHz

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

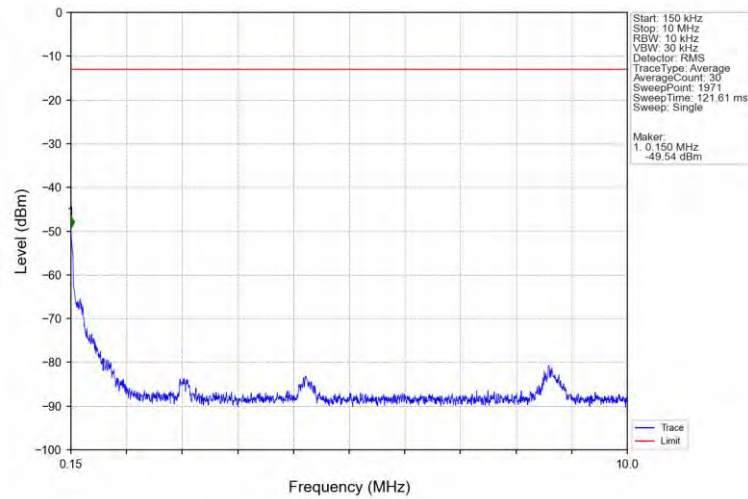


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-17.13	-13	Pass
703.9	704	0.03	/	2	703.950	-14.59	-13	Pass
704	709	0.03	/	/	/	/	/	/

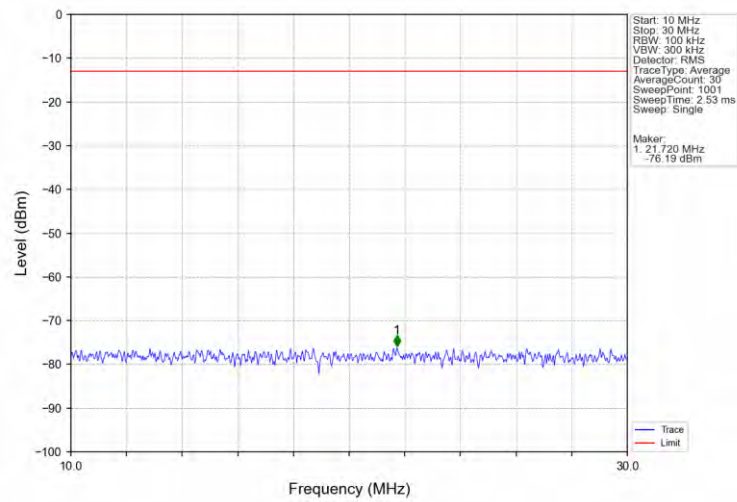
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



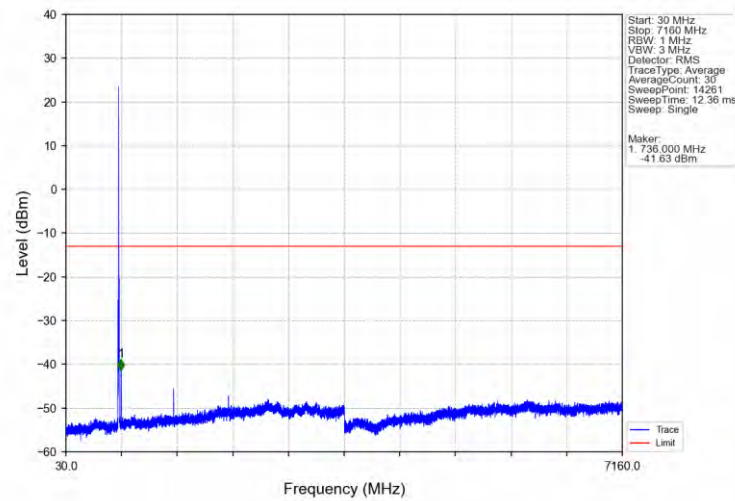
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



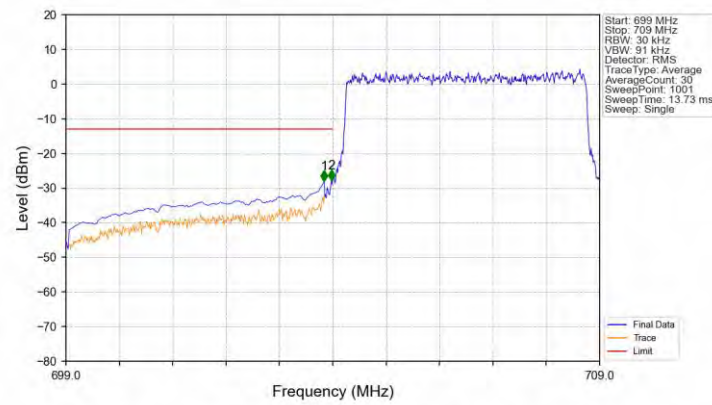
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

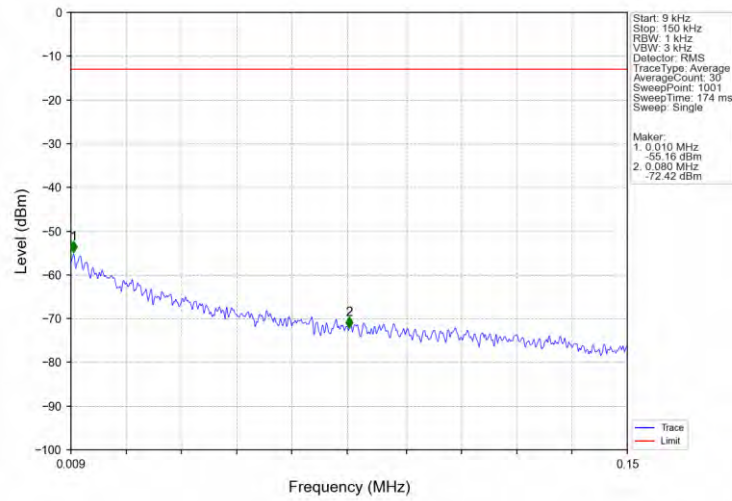


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

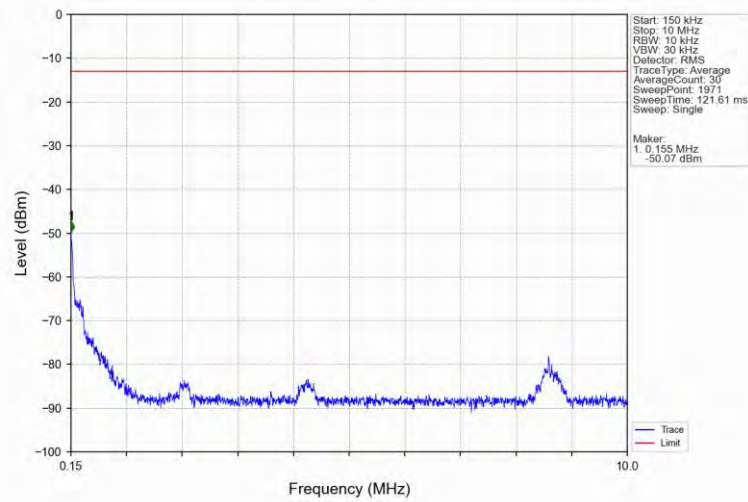


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-27.96	-13	Pass
703.9	704	0.03	/	2	703.980	-27.84	-13	Pass
704	709	0.03	/	/	/	/	/	/

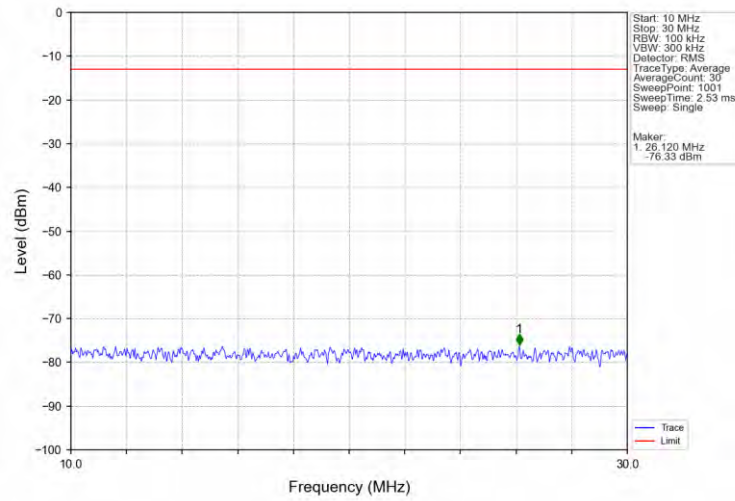
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



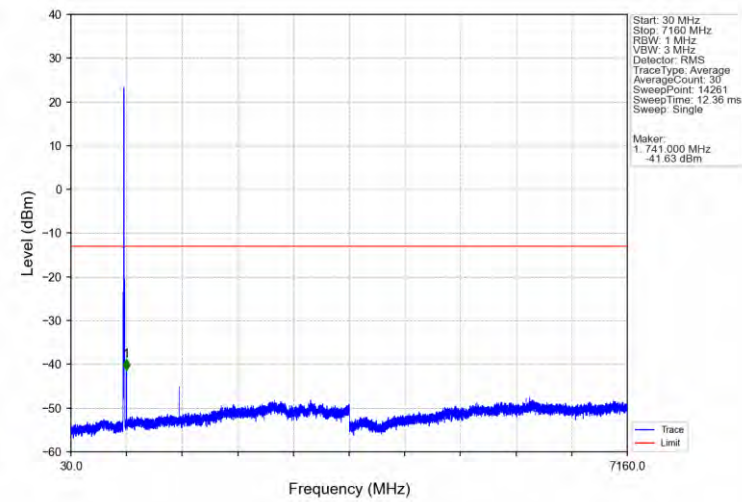
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



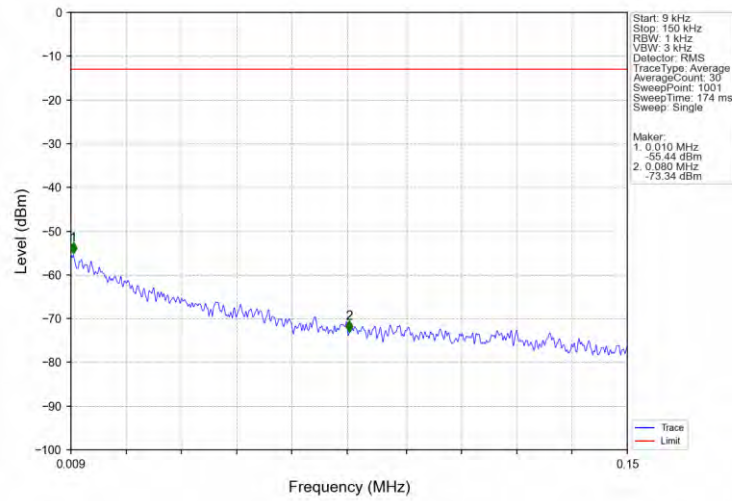
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



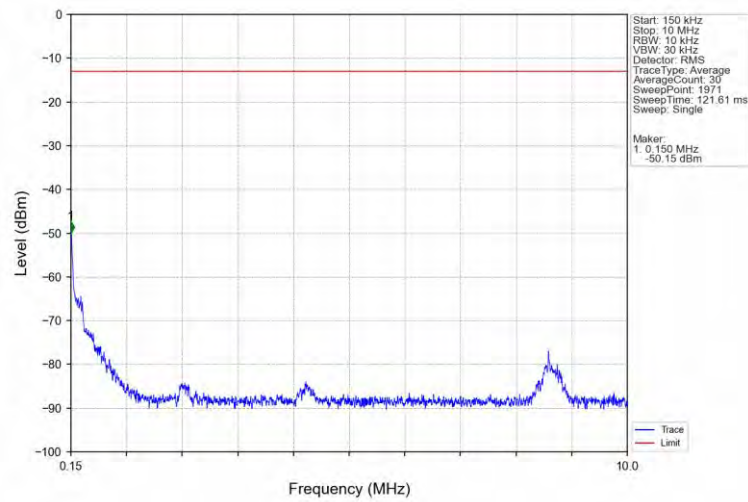
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



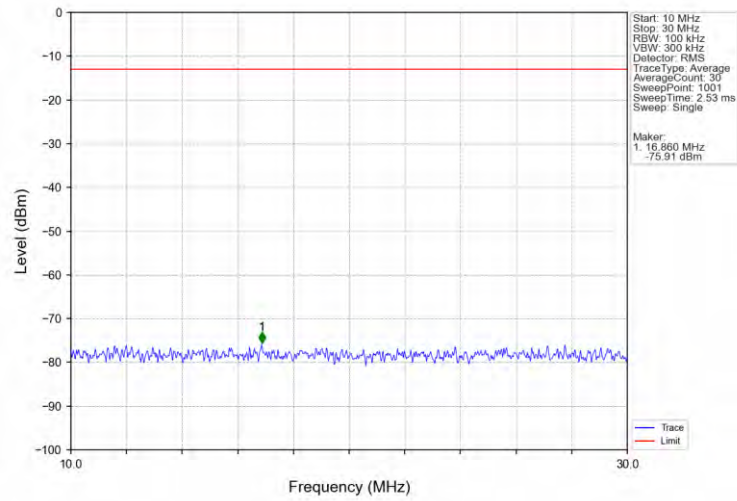
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



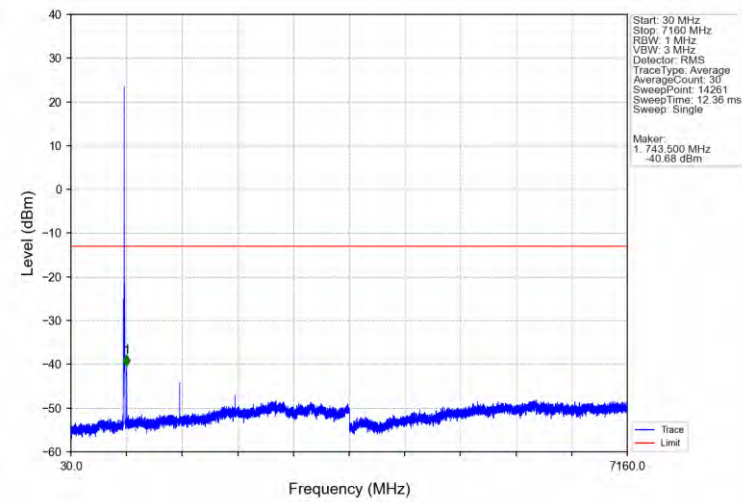
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



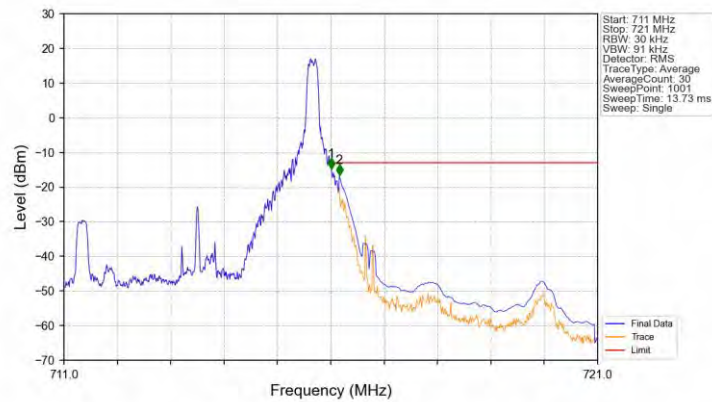
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

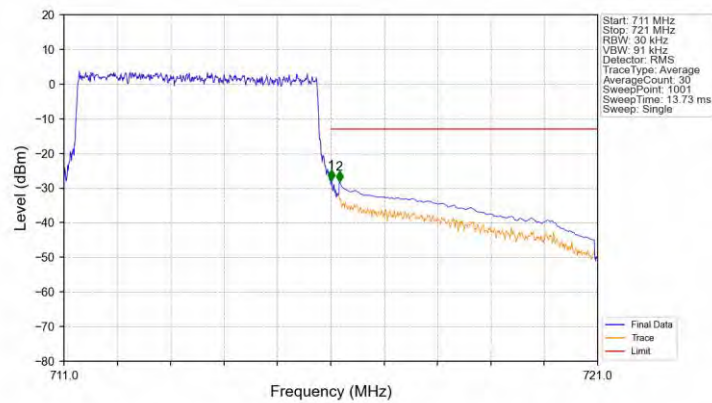


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



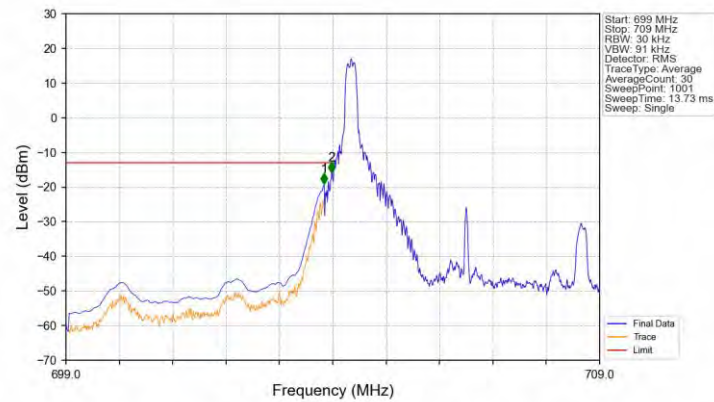
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-14.84	-13	Pass
716.1	721	0.1	CHP	2	716.160	-16.63	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



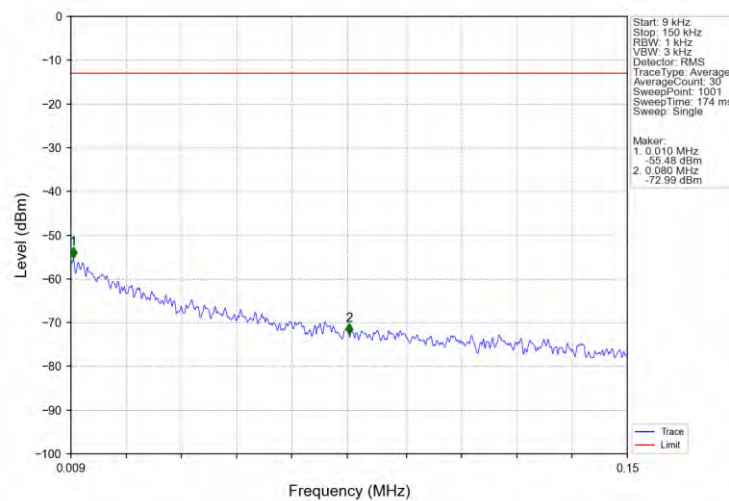
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-27.86	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.19	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

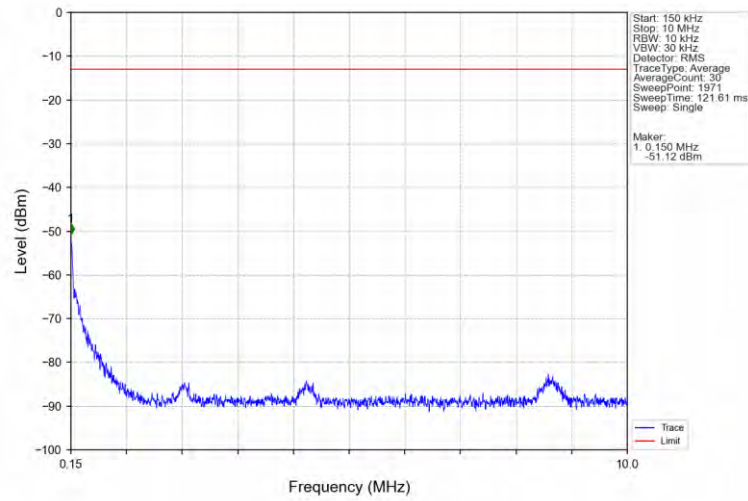


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-19.08	-13	Pass
703.9	704	0.03	/	2	703.980	-15.89	-13	Pass
704	709	0.03	/	/	/	/	/	/

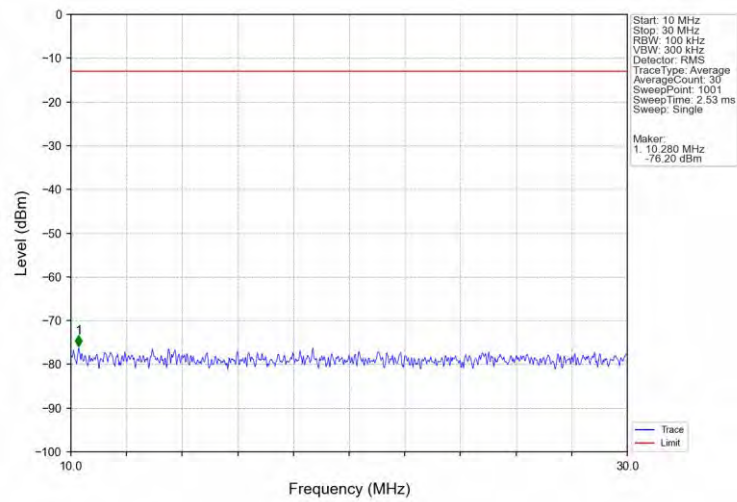
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



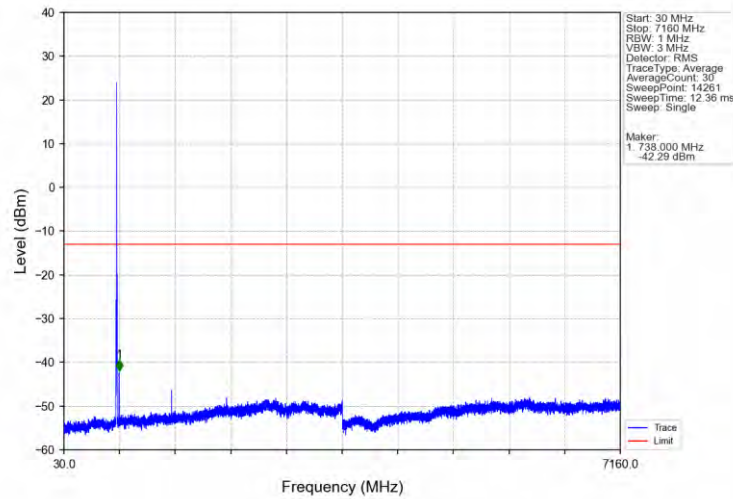
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



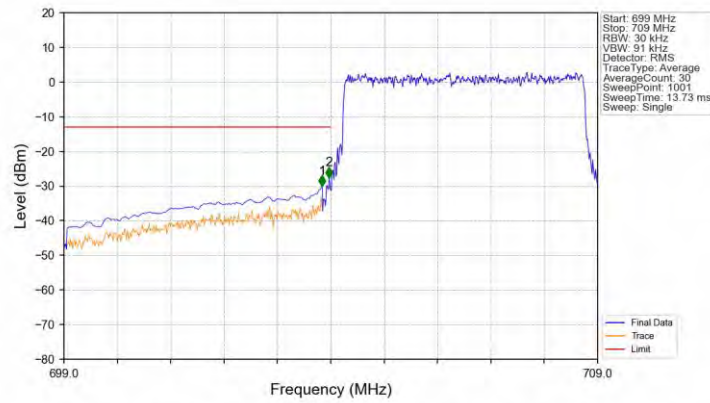
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

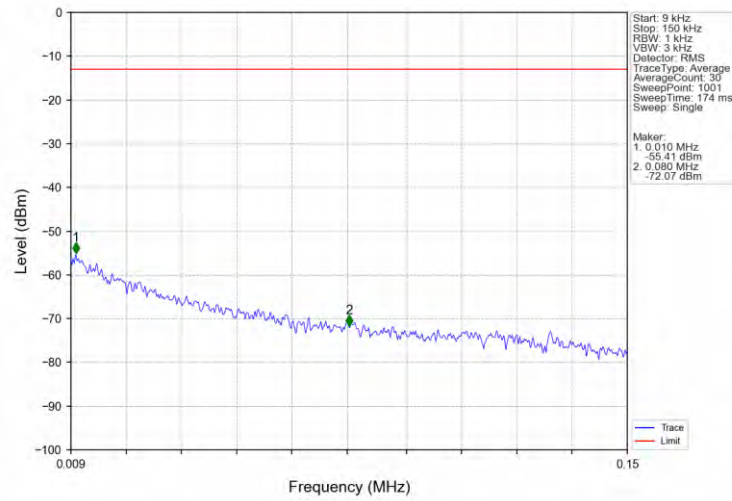


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

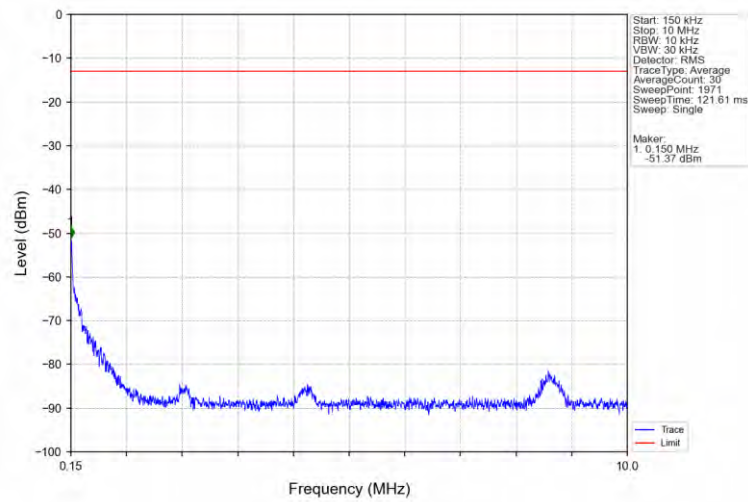


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.08	-13	Pass
703.9	704	0.03	/	2	703.970	-27.57	-13	Pass
704	709	0.03	/	/	/	/	/	/

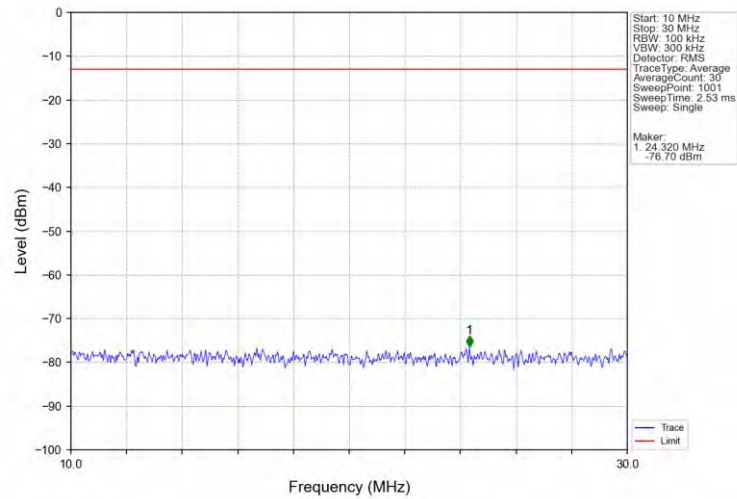
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



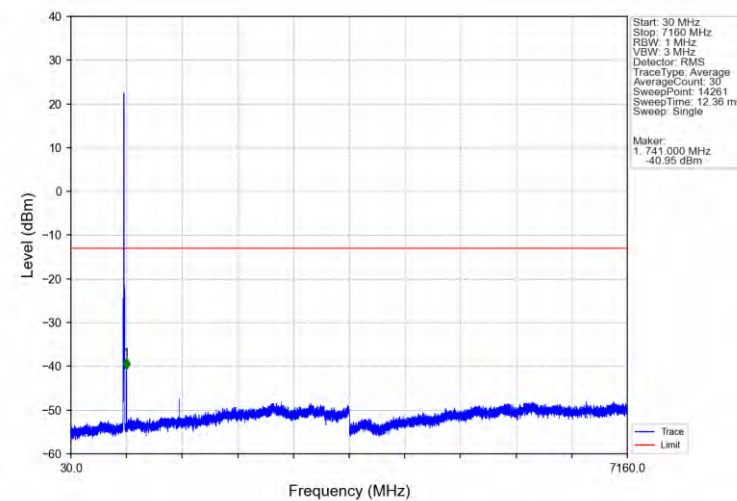
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



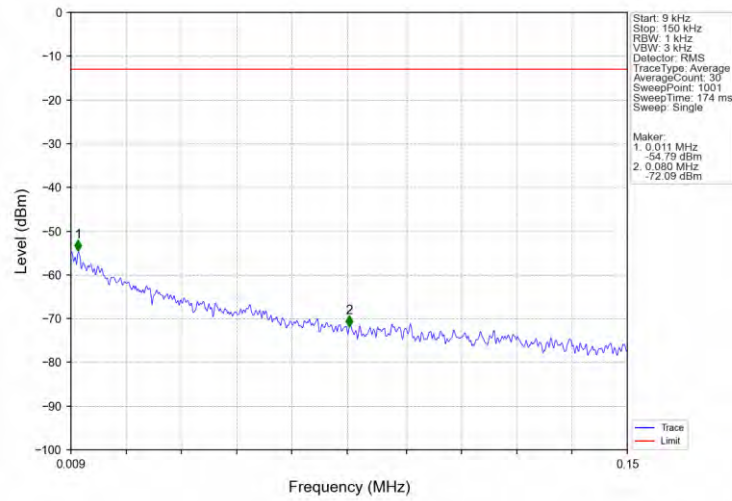
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



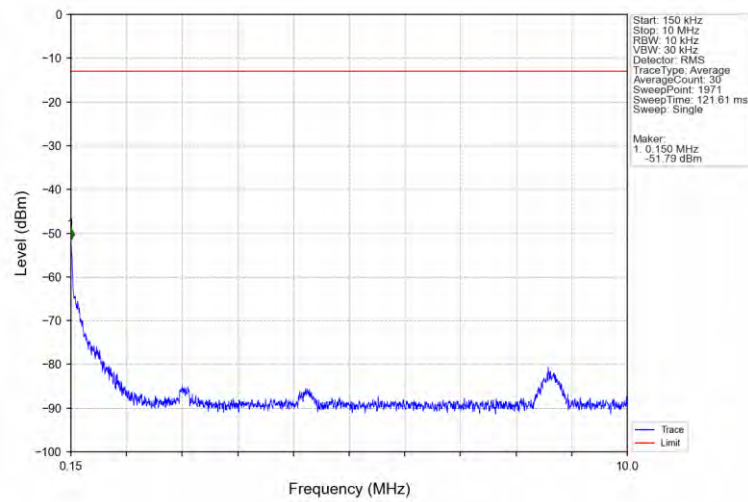
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



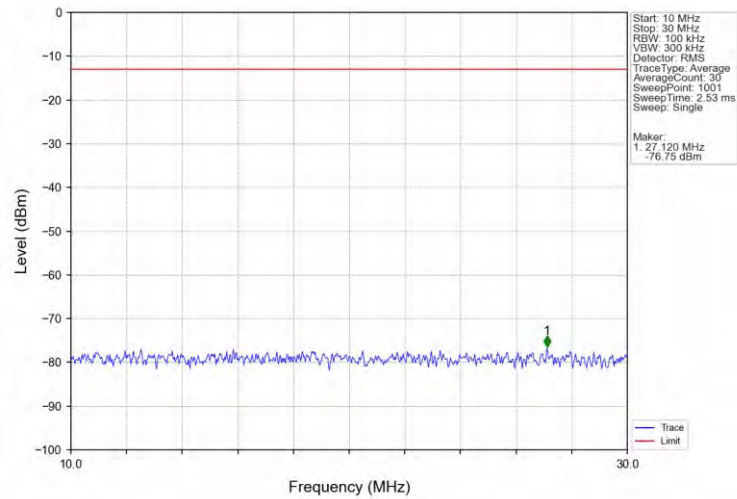
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



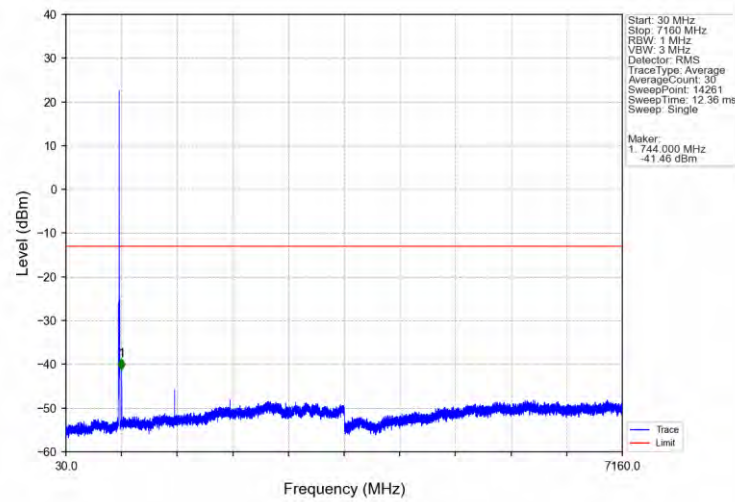
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



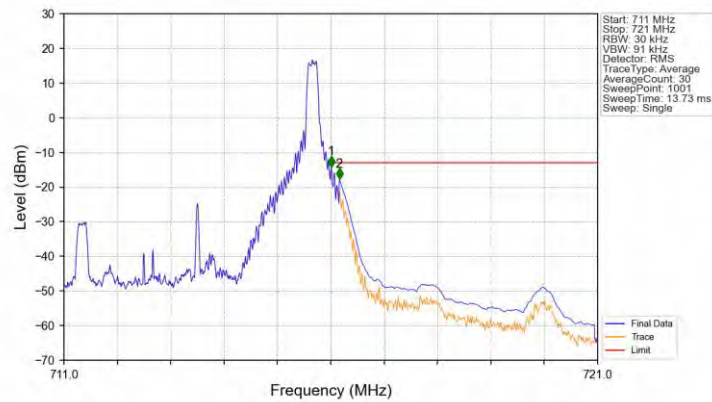
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

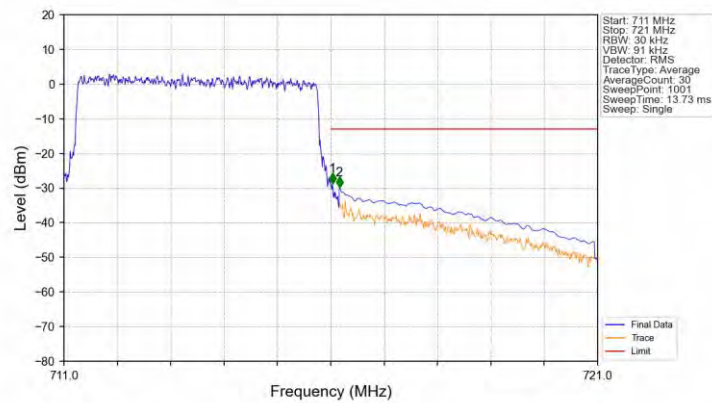


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-14.12	-13	Pass
716.1	721	0.1	CHP	2	716.160	-17.74	-13	Pass

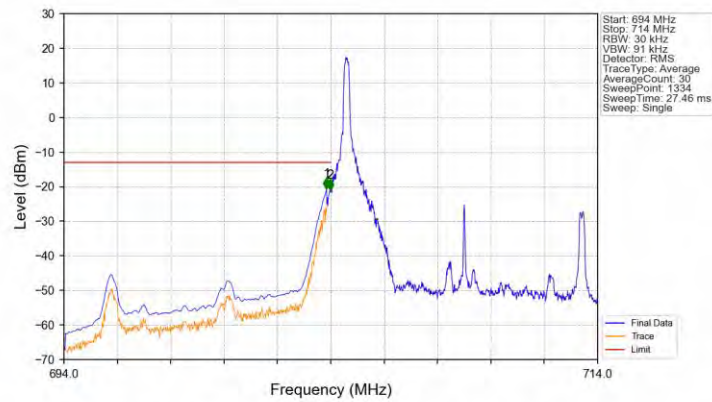
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



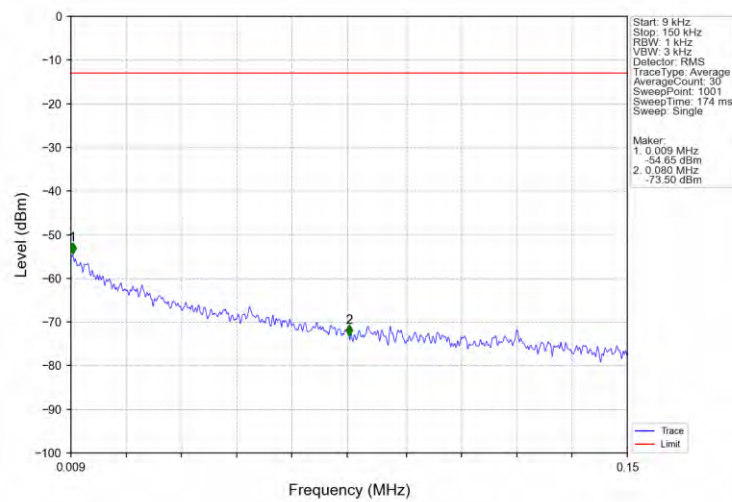
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-28.69	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.79	-13	Pass

6.2.2 B17_10MHz

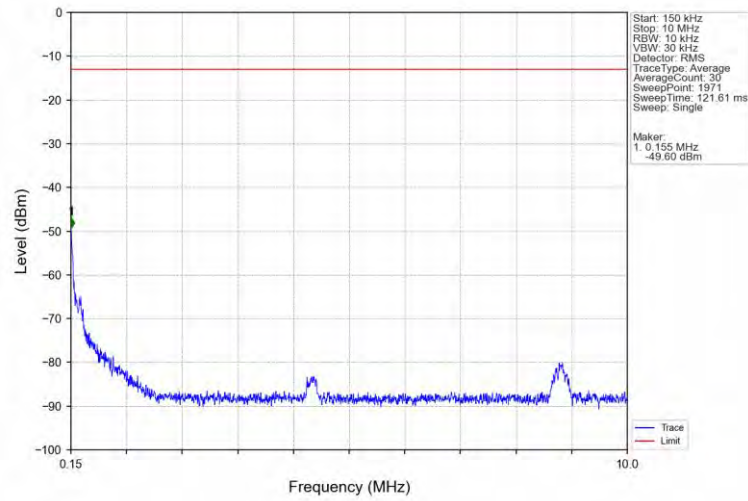
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



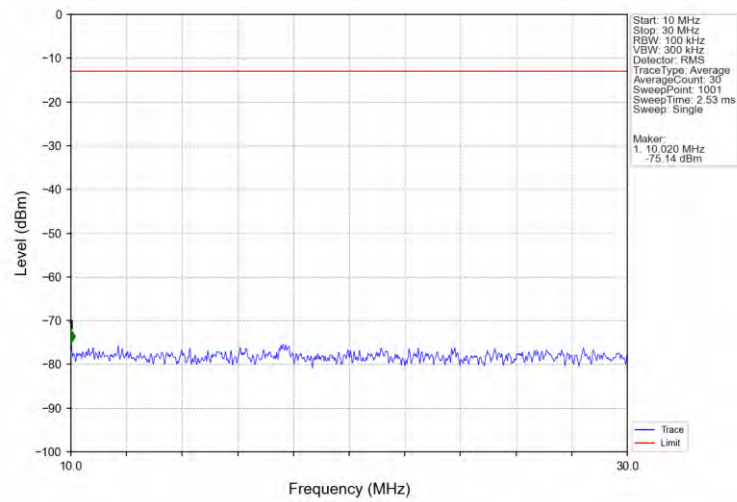
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



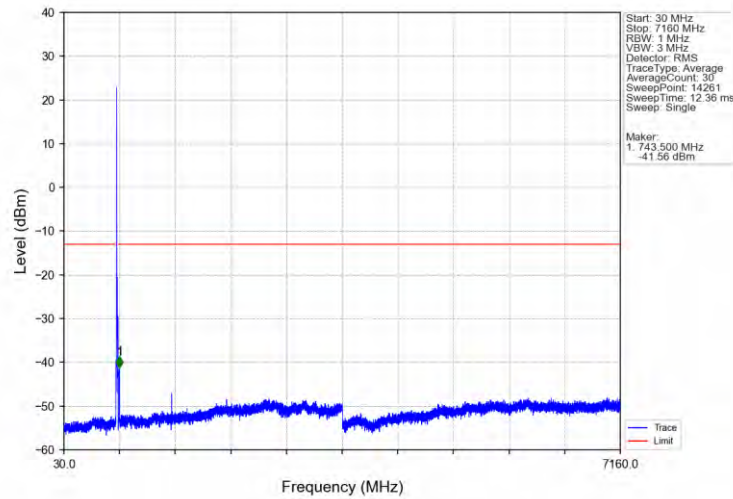
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



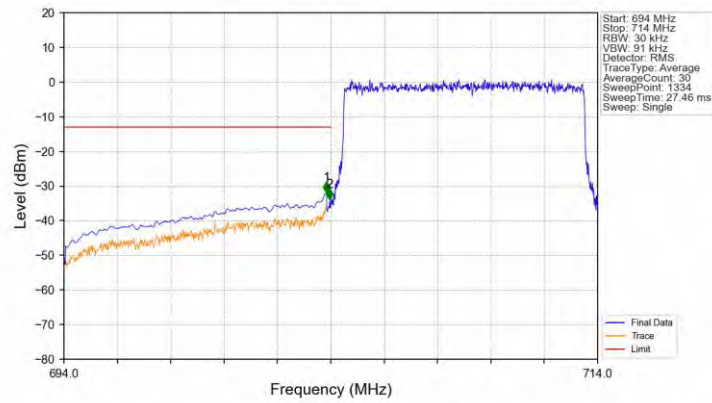
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

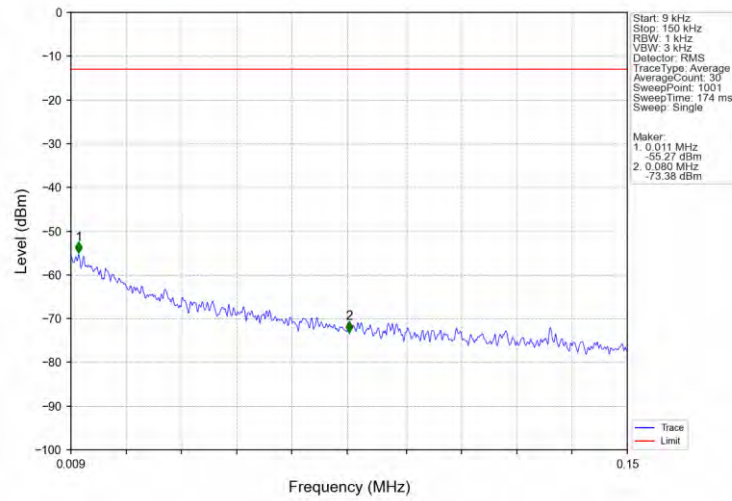


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

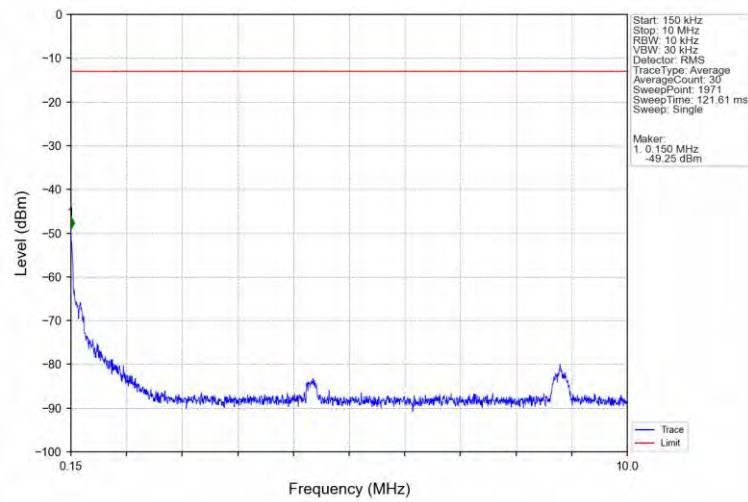


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-31.87	-13	Pass
703.9	704	0.03	/	2	703.962	-33.91	-13	Pass
704	714	0.03	/	/	/	/	/	/

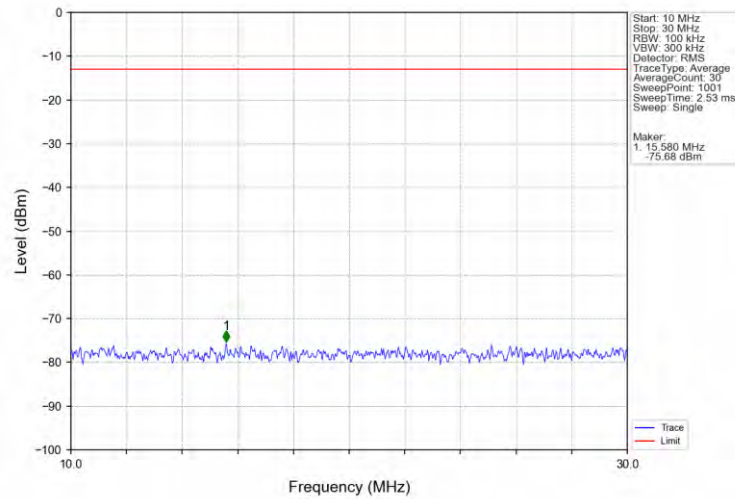
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



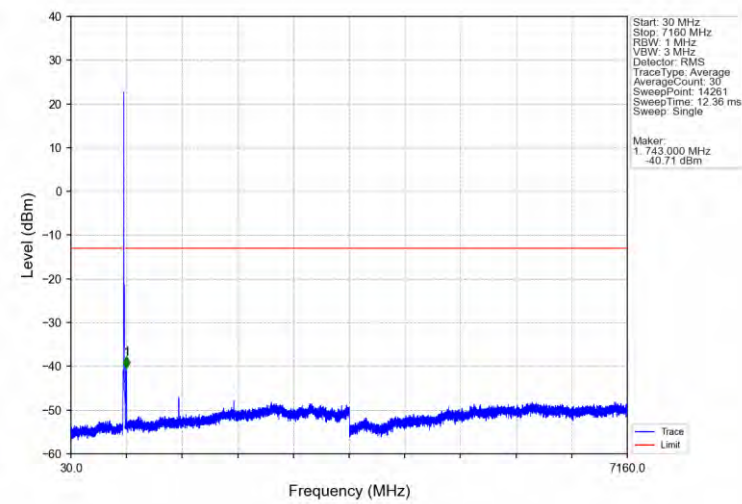
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



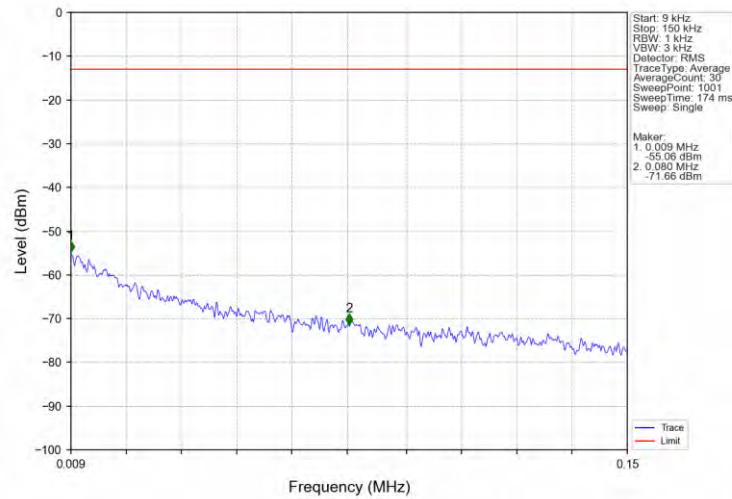
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



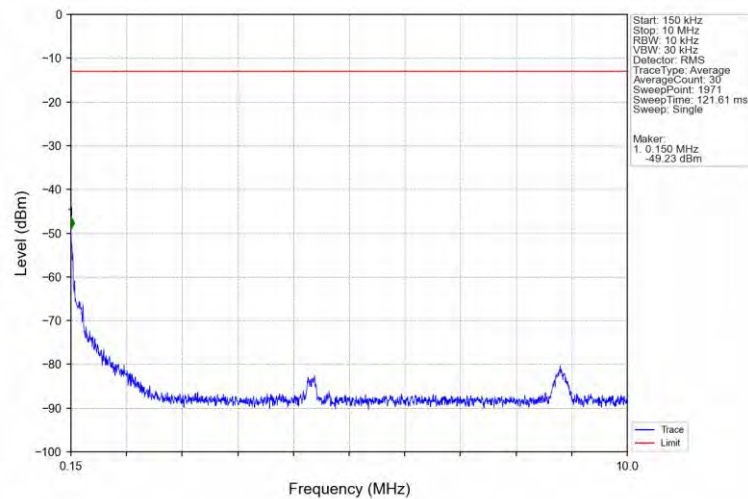
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



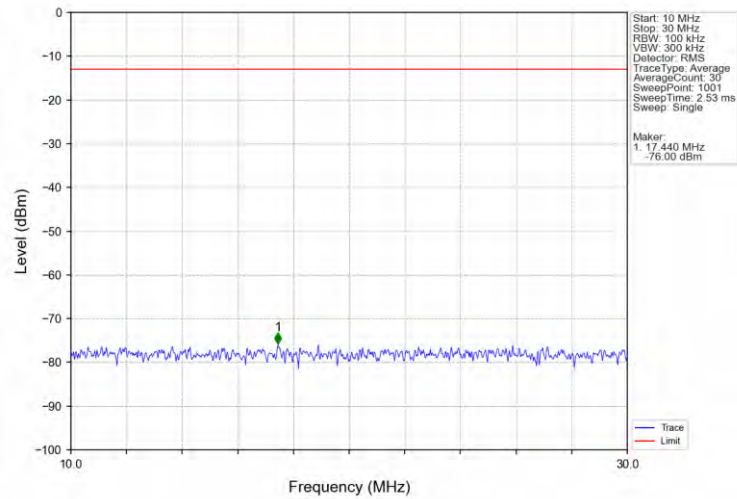
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



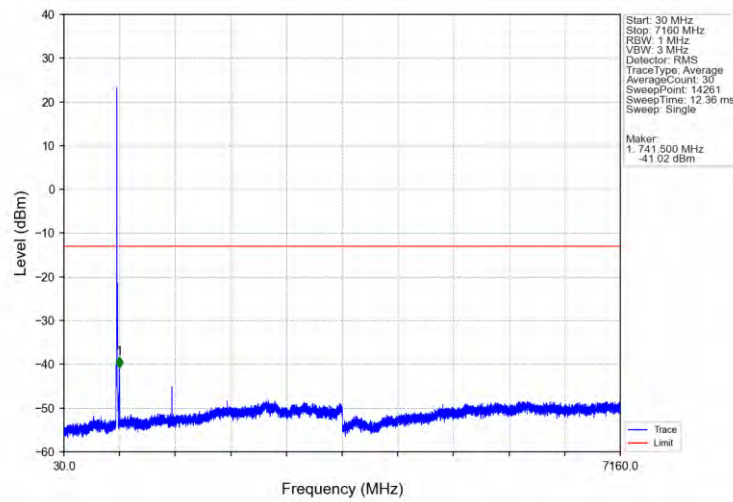
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



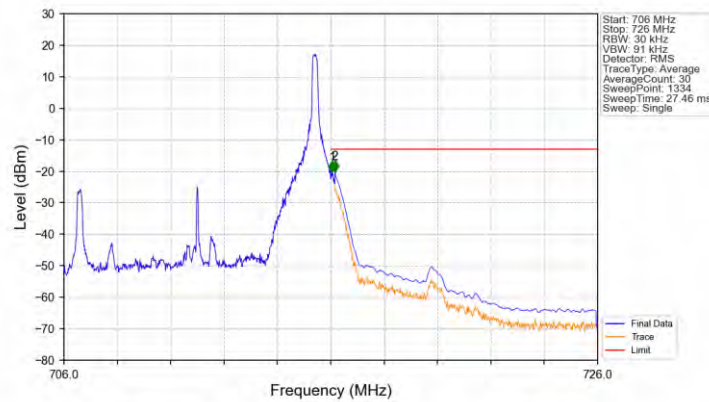
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

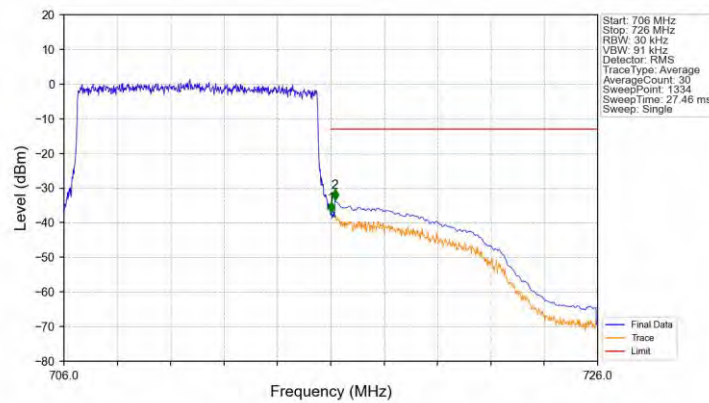


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



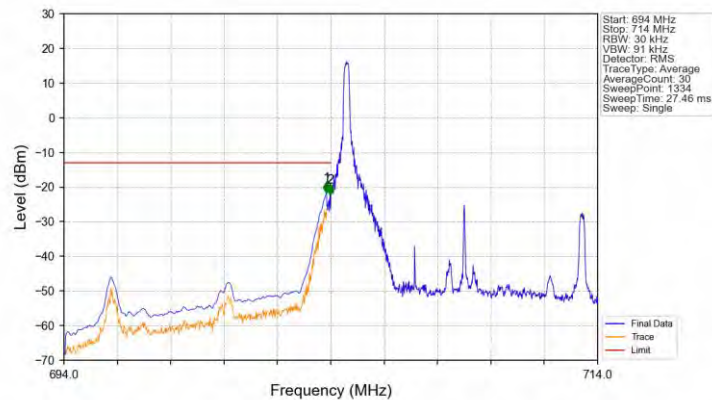
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.053	-20.17	-13	Pass
716.1	726	0.1	CHP	2	716.158	-20.05	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



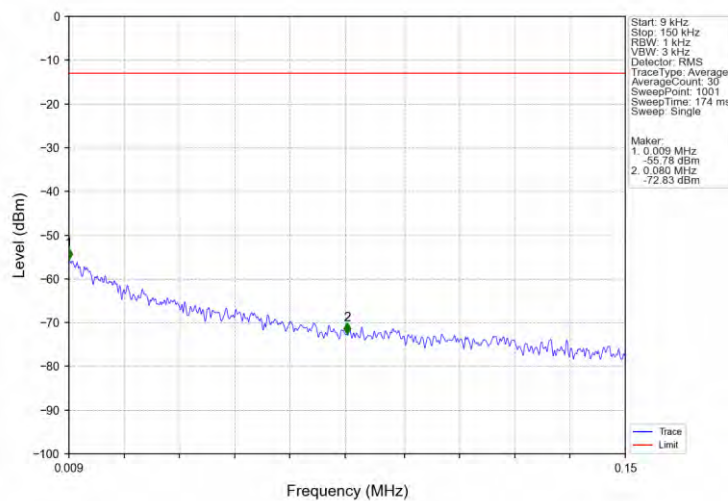
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-37.06	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.50	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

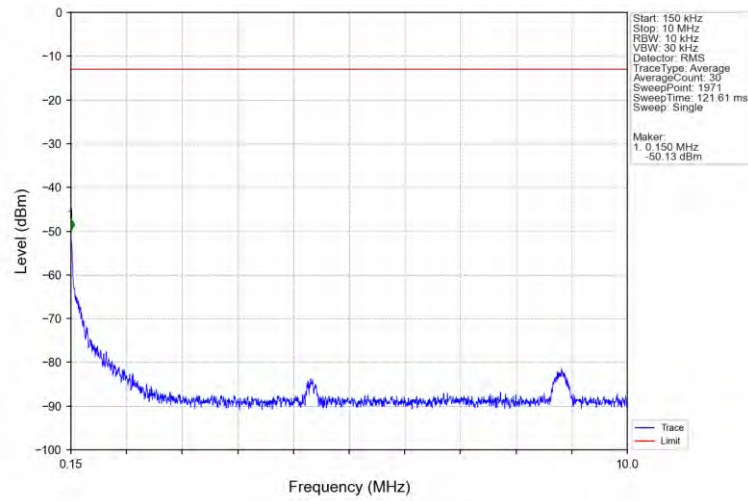


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-21.71	-13	Pass
703.9	704	0.03	/	2	703.977	-22.19	-13	Pass
704	714	0.03	/	/	/	/	/	/

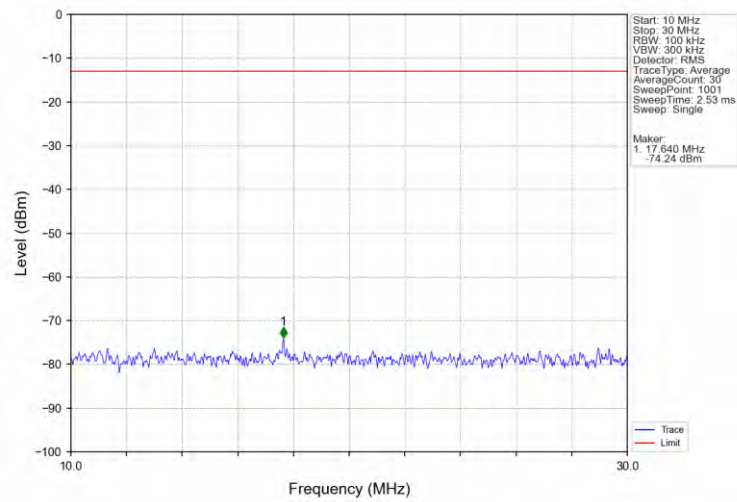
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



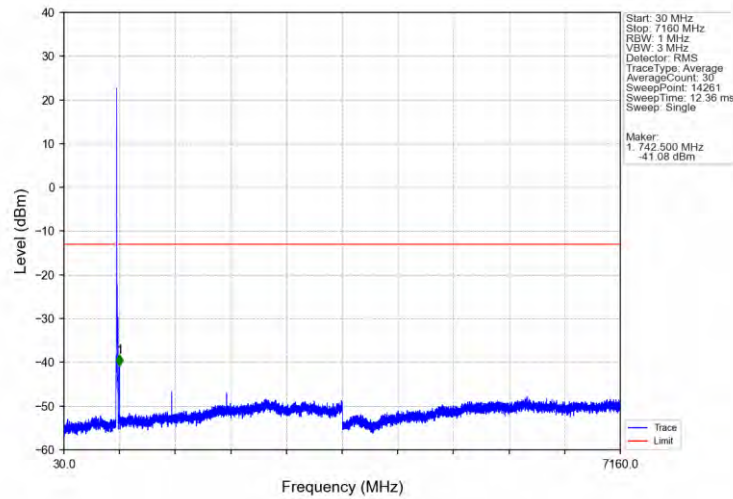
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



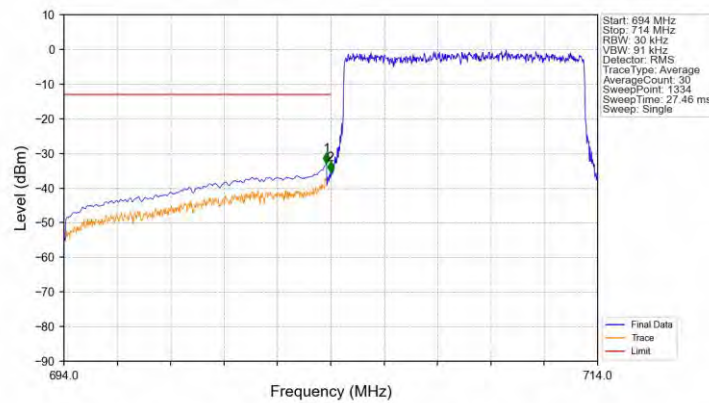
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

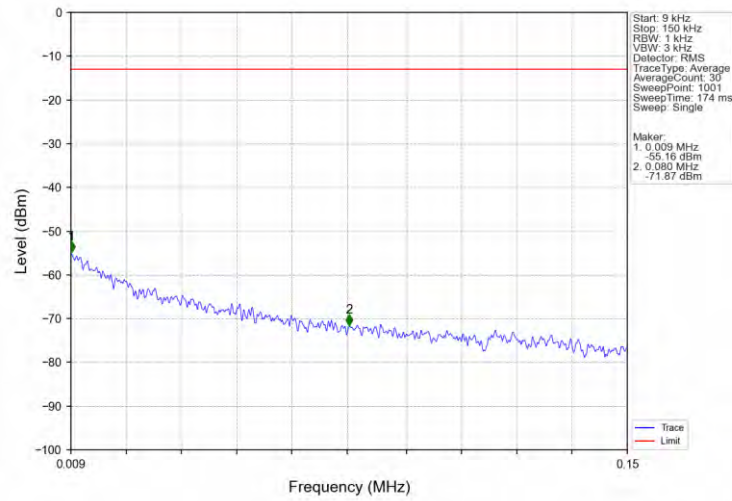


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

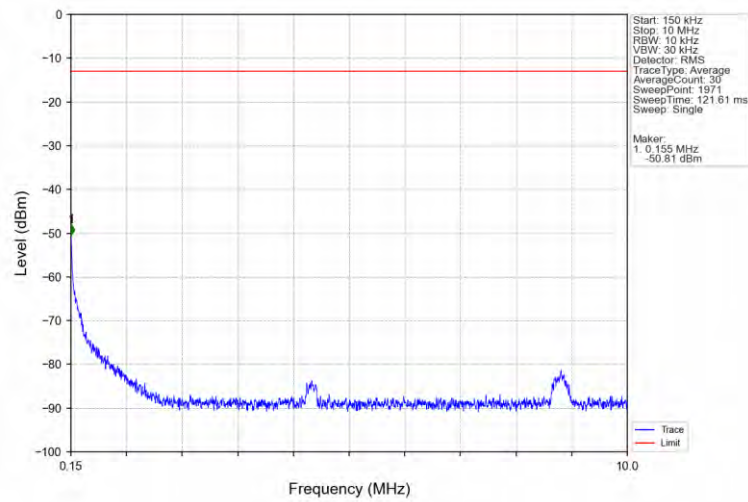


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-32.98	-13	Pass
703.9	704	0.03	/	2	703.992	-35.55	-13	Pass
704	714	0.03	/	/	/	/	/	/

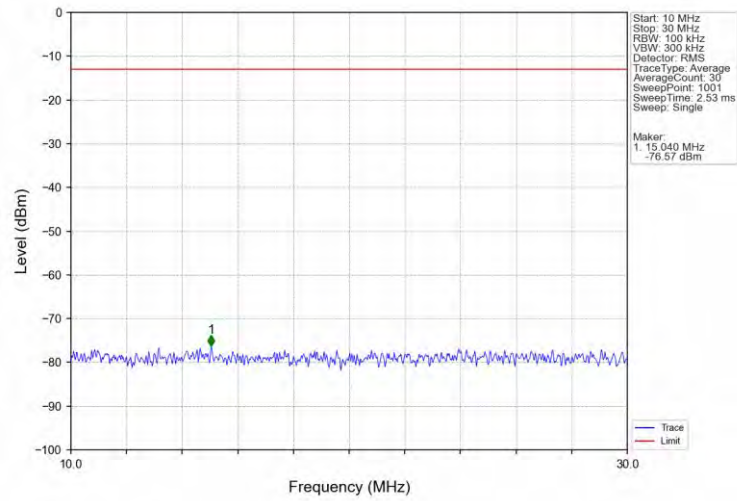
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



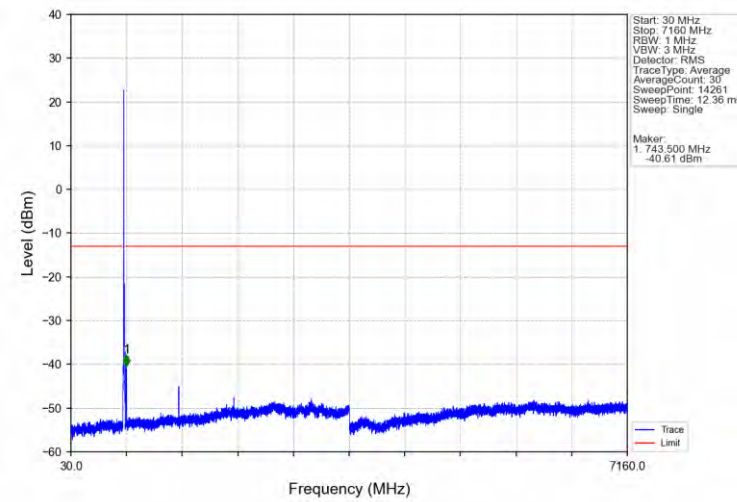
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



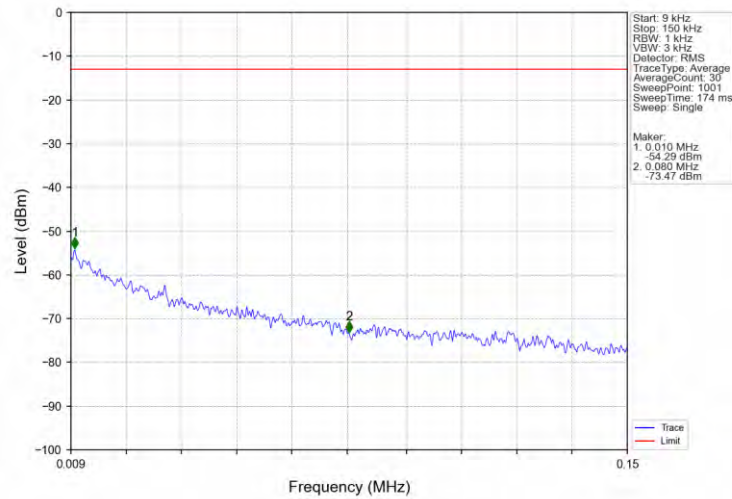
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



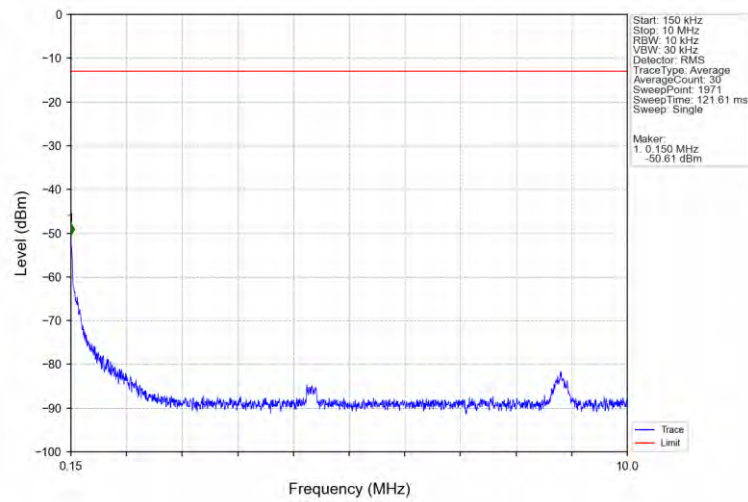
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



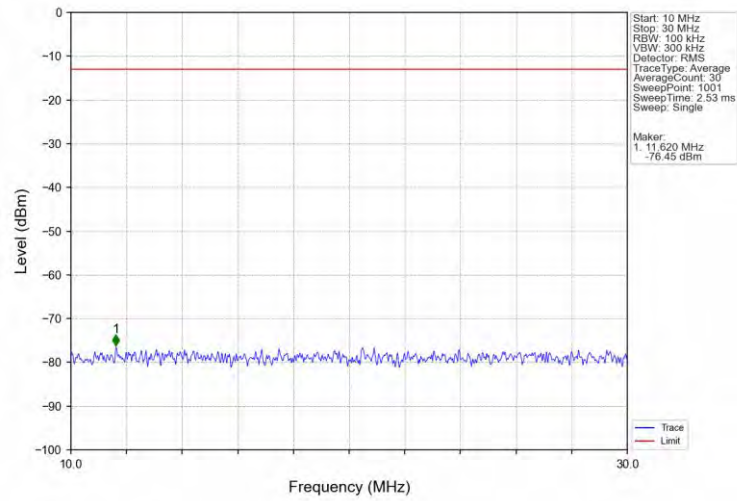
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



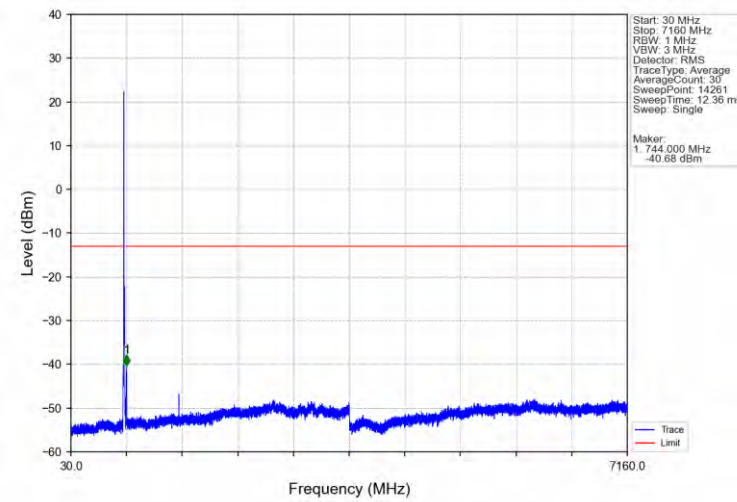
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



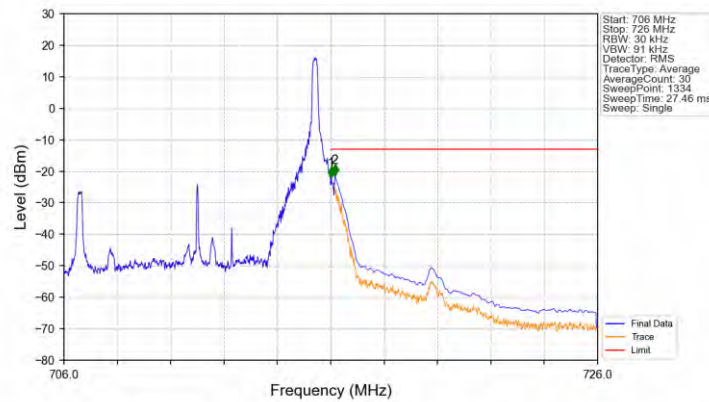
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

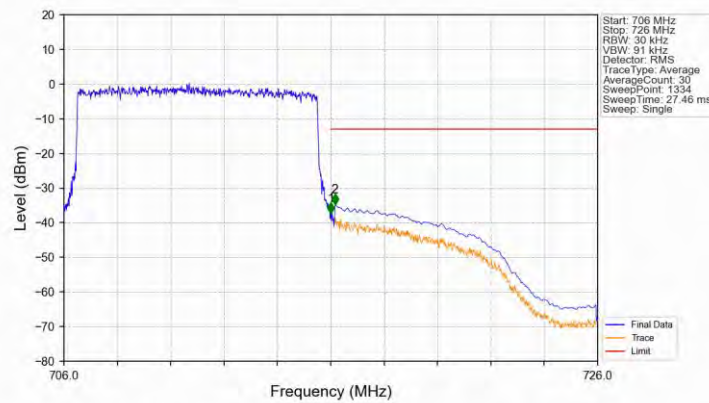


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-21.99	-13	Pass
716.1	726	0.1	CHP	2	716.158	-21.15	-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	-37.26	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.79	-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	0.2692	0.0130	ppm	4M59G7D	27H	24.30
17	5	706.5	713.5	0.2254	0.0143	ppm	4M59W7D	27H	23.53
17	10	709	711	0.2786	0.0151	ppm	9M07G7D	27H	24.45
17	10	709	711	0.2244	0.0143	ppm	9M06W7D	27H	23.51

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	0.0912	0.0130	ppm	4M59G7D	27H	19.60
17	5	706.5	713.5	0.0764	0.0143	ppm	4M59W7D	27H	18.83
17	10	709	711	0.0944	0.0151	ppm	9M07G7D	27H	19.75
17	10	709	711	0.0760	0.0143	ppm	9M06W7D	27H	18.81