

Appendix Test Data for LTE_band_17

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	23.86	-3.05	18.66	<=34.77	Pass
			13	23.90	-3.05	18.70	<=34.77	Pass
			24	24.01	-3.05	18.81	<=34.77	Pass
		12	0	22.90	-3.05	17.70	<=34.77	Pass
			6	22.92	-3.05	17.72	<=34.77	Pass
			13	22.95	-3.05	17.75	<=34.77	Pass
		25	0	22.92	-3.05	17.72	<=34.77	Pass
	710	1	0	24.17	-3.05	18.97	<=34.77	Pass
			13	24.10	-3.05	18.90	<=34.77	Pass
			24	24.28	-3.05	19.08	<=34.77	Pass
		12	0	22.99	-3.05	17.79	<=34.77	Pass
			6	22.95	-3.05	17.75	<=34.77	Pass
			13	22.91	-3.05	17.71	<=34.77	Pass
		25	0	22.92	-3.05	17.72	<=34.77	Pass
	713.5	1	0	24.11	-3.05	18.91	<=34.77	Pass
			13	24.05	-3.05	18.85	<=34.77	Pass
			24	24.19	-3.05	18.99	<=34.77	Pass
		12	0	23.09	-3.05	17.89	<=34.77	Pass
			6	23.03	-3.05	17.83	<=34.77	Pass
			13	23.05	-3.05	17.85	<=34.77	Pass
		25	0	23.07	-3.05	17.87	<=34.77	Pass
16QAM	706.5	1	0	23.18	-3.05	17.98	<=34.77	Pass
			13	23.15	-3.05	17.95	<=34.77	Pass
			24	23.28	-3.05	18.08	<=34.77	Pass
		12	0	21.92	-3.05	16.72	<=34.77	Pass
			6	21.93	-3.05	16.73	<=34.77	Pass
			13	21.93	-3.05	16.73	<=34.77	Pass
		25	0	21.92	-3.05	16.72	<=34.77	Pass
	710	1	0	22.85	-3.05	17.65	<=34.77	Pass
			13	22.79	-3.05	17.59	<=34.77	Pass
			24	22.97	-3.05	17.77	<=34.77	Pass
		12	0	22.00	-3.05	16.80	<=34.77	Pass
			6	21.96	-3.05	16.76	<=34.77	Pass
			13	21.89	-3.05	16.69	<=34.77	Pass
		25	0	21.98	-3.05	16.78	<=34.77	Pass
	713.5	1	0	23.16	-3.05	17.96	<=34.77	Pass
			13	23.07	-3.05	17.87	<=34.77	Pass
			24	23.22	-3.05	18.02	<=34.77	Pass
		12	0	22.05	-3.05	16.85	<=34.77	Pass
			6	21.98	-3.05	16.78	<=34.77	Pass
			13	22.05	-3.05	16.85	<=34.77	Pass
		25	0	22.08	-3.05	16.88	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B17_10MHz_ERP

Band: 17 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	709	1	0	23.88	-3.05	18.68	<=34.77	Pass
			25	24.02	-3.05	18.82	<=34.77	Pass
			49	24.05	-3.05	18.85	<=34.77	Pass
		25	0	22.94	-3.05	17.74	<=34.77	Pass
			13	22.97	-3.05	17.77	<=34.77	Pass
			25	22.88	-3.05	17.68	<=34.77	Pass
		50	0	22.95	-3.05	17.75	<=34.77	Pass
	710	1	0	23.87	-3.05	18.67	<=34.77	Pass
			25	24.01	-3.05	18.81	<=34.77	Pass
			49	24.03	-3.05	18.83	<=34.77	Pass
		25	0	22.98	-3.05	17.78	<=34.77	Pass
			13	22.97	-3.05	17.77	<=34.77	Pass
			25	22.94	-3.05	17.74	<=34.77	Pass
		50	0	22.99	-3.05	17.79	<=34.77	Pass
	711	1	0	24.04	-3.05	18.84	<=34.77	Pass
			25	24.05	-3.05	18.85	<=34.77	Pass
			49	24.22	-3.05	19.02	<=34.77	Pass
		25	0	23.08	-3.05	17.88	<=34.77	Pass
			13	23.03	-3.05	17.83	<=34.77	Pass
			25	23.06	-3.05	17.86	<=34.77	Pass
		50	0	23.10	-3.05	17.90	<=34.77	Pass
16QAM	709	1	0	22.93	-3.05	17.73	<=34.77	Pass
			25	23.02	-3.05	17.82	<=34.77	Pass
			49	23.10	-3.05	17.90	<=34.77	Pass
		25	0	22.07	-3.05	16.87	<=34.77	Pass
			13	22.07	-3.05	16.87	<=34.77	Pass
			25	21.99	-3.05	16.79	<=34.77	Pass
		50	0	21.92	-3.05	16.72	<=34.77	Pass
	710	1	0	23.11	-3.05	17.91	<=34.77	Pass
			25	23.19	-3.05	17.99	<=34.77	Pass
			49	23.27	-3.05	18.07	<=34.77	Pass
		25	0	22.02	-3.05	16.82	<=34.77	Pass
			13	21.98	-3.05	16.78	<=34.77	Pass
			25	21.95	-3.05	16.75	<=34.77	Pass
		50	0	21.97	-3.05	16.77	<=34.77	Pass
	711	1	0	23.50	-3.05	18.30	<=34.77	Pass
			25	23.49	-3.05	18.29	<=34.77	Pass
			49	23.37	-3.05	18.17	<=34.77	Pass
		25	0	22.11	-3.05	16.91	<=34.77	Pass
			13	22.07	-3.05	16.87	<=34.77	Pass
			25	22.11	-3.05	16.91	<=34.77	Pass
		50	0	22.08	-3.05	16.88	<=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	3.23	-1.445	-0.0020	-2.5 to 2.5	Pass
					3.80	1.602	0.0023	-2.5 to 2.5	Pass
					4.37	-0.873	-0.0012	-2.5 to 2.5	Pass

				-30	3.80	0.272	0.0004	-2.5 to 2.5	Pass	
				-20	3.80	-1.445	-0.0020	-2.5 to 2.5	Pass	
				-10	3.80	-0.973	-0.0014	-2.5 to 2.5	Pass	
				0	3.80	-2.718	-0.0038	-2.5 to 2.5	Pass	
				10	3.80	1.159	0.0016	-2.5 to 2.5	Pass	
				30	3.80	-1.903	-0.0027	-2.5 to 2.5	Pass	
				40	3.80	0.486	0.0007	-2.5 to 2.5	Pass	
				50	3.80	0.315	0.0004	-2.5 to 2.5	Pass	
	710	25	0	20	3.23	-2.761	-0.0039	-2.5 to 2.5	Pass	
					3.80	0.515	0.0007	-2.5 to 2.5	Pass	
					4.37	-0.386	-0.0005	-2.5 to 2.5	Pass	
				-30	3.80	-1.788	-0.0025	-2.5 to 2.5	Pass	
				-20	3.80	-4.478	-0.0063	-2.5 to 2.5	Pass	
				-10	3.80	-2.017	-0.0028	-2.5 to 2.5	Pass	
				0	3.80	-3.219	-0.0045	-2.5 to 2.5	Pass	
				10	3.80	-3.076	-0.0043	-2.5 to 2.5	Pass	
				30	3.80	-2.704	-0.0038	-2.5 to 2.5	Pass	
				40	3.80	0.029	0.0000	-2.5 to 2.5	Pass	
	50	3.80	1.001	0.0014	-2.5 to 2.5	Pass				
	713.5	25	0	20	3.23	-5.794	-0.0081	-2.5 to 2.5	Pass	
					3.80	-1.059	-0.0015	-2.5 to 2.5	Pass	
					4.37	-1.016	-0.0014	-2.5 to 2.5	Pass	
				-30	3.80	-1.774	-0.0025	-2.5 to 2.5	Pass	
				-20	3.80	-2.117	-0.0030	-2.5 to 2.5	Pass	
				-10	3.80	-2.432	-0.0034	-2.5 to 2.5	Pass	
				0	3.80	-0.157	-0.0002	-2.5 to 2.5	Pass	
				10	3.80	-2.246	-0.0031	-2.5 to 2.5	Pass	
				30	3.80	-0.672	-0.0009	-2.5 to 2.5	Pass	
				40	3.80	-2.031	-0.0028	-2.5 to 2.5	Pass	
	50	3.80	2.017	0.0028	-2.5 to 2.5	Pass				
	16QAM	706.5	25	0	20	3.23	1.488	0.0021	-2.5 to 2.5	Pass
						3.80	-2.375	-0.0034	-2.5 to 2.5	Pass
4.37						1.659	0.0023	-2.5 to 2.5	Pass	
-30					3.80	-2.532	-0.0036	-2.5 to 2.5	Pass	
-20					3.80	1.373	0.0019	-2.5 to 2.5	Pass	
-10					3.80	-0.272	-0.0004	-2.5 to 2.5	Pass	
0					3.80	-2.031	-0.0029	-2.5 to 2.5	Pass	
10					3.80	-3.319	-0.0047	-2.5 to 2.5	Pass	
30					3.80	-1.316	-0.0019	-2.5 to 2.5	Pass	
40					3.80	-0.629	-0.0009	-2.5 to 2.5	Pass	
50		3.80	-4.134	-0.0059	-2.5 to 2.5	Pass				
710		25	0	20	3.23	-2.303	-0.0032	-2.5 to 2.5	Pass	
					3.80	-1.845	-0.0026	-2.5 to 2.5	Pass	
					4.37	-5.250	-0.0074	-2.5 to 2.5	Pass	
				-30	3.80	-0.100	-0.0001	-2.5 to 2.5	Pass	
				-20	3.80	-0.887	-0.0012	-2.5 to 2.5	Pass	
				-10	3.80	0.014	0.0000	-2.5 to 2.5	Pass	
				0	3.80	-0.300	-0.0004	-2.5 to 2.5	Pass	
				10	3.80	0.701	0.0010	-2.5 to 2.5	Pass	
				30	3.80	-0.587	-0.0008	-2.5 to 2.5	Pass	
				40	3.80	-3.247	-0.0046	-2.5 to 2.5	Pass	
50		3.80	0.114	0.0002	-2.5 to 2.5	Pass				
713.5		25	0	20	3.23	-0.615	-0.0009	-2.5 to 2.5	Pass	
					3.80	-3.119	-0.0044	-2.5 to 2.5	Pass	
					4.37	-1.931	-0.0027	-2.5 to 2.5	Pass	
				-30	3.80	-3.934	-0.0055	-2.5 to 2.5	Pass	
				-20	3.80	-6.552	-0.0092	-2.5 to 2.5	Pass	
				-10	3.80	-0.687	-0.0010	-2.5 to 2.5	Pass	
	0			3.80	-0.529	-0.0007	-2.5 to 2.5	Pass		

				10	3.80	-2.789	-0.0039	-2.5 to 2.5	Pass
				30	3.80	-0.544	-0.0008	-2.5 to 2.5	Pass
				40	3.80	-4.148	-0.0058	-2.5 to 2.5	Pass
				50	3.80	-1.645	-0.0023	-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	3.23	-1.988	-0.0028	-2.5 to 2.5	Pass
					3.80	-3.290	-0.0046	-2.5 to 2.5	Pass
					4.37	-1.574	-0.0022	-2.5 to 2.5	Pass
				-30	3.80	-1.531	-0.0022	-2.5 to 2.5	Pass
				-20	3.80	-3.276	-0.0046	-2.5 to 2.5	Pass
				-10	3.80	-2.975	-0.0042	-2.5 to 2.5	Pass
				0	3.80	1.631	0.0023	-2.5 to 2.5	Pass
				10	3.80	-2.360	-0.0033	-2.5 to 2.5	Pass
				30	3.80	-3.247	-0.0046	-2.5 to 2.5	Pass
				40	3.80	1.216	0.0017	-2.5 to 2.5	Pass
				50	3.80	-1.903	-0.0027	-2.5 to 2.5	Pass
	710	50	0	20	3.23	-0.944	-0.0013	-2.5 to 2.5	Pass
					3.80	0.286	0.0004	-2.5 to 2.5	Pass
					4.37	-2.432	-0.0034	-2.5 to 2.5	Pass
				-30	3.80	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.80	-1.459	-0.0021	-2.5 to 2.5	Pass
				-10	3.80	-1.016	-0.0014	-2.5 to 2.5	Pass
				0	3.80	-0.429	-0.0006	-2.5 to 2.5	Pass
				10	3.80	-0.858	-0.0012	-2.5 to 2.5	Pass
				30	3.80	-0.186	-0.0003	-2.5 to 2.5	Pass
				40	3.80	0.129	0.0002	-2.5 to 2.5	Pass
				50	3.80	-0.672	-0.0009	-2.5 to 2.5	Pass
	711	50	0	20	3.23	1.860	0.0026	-2.5 to 2.5	Pass
					3.80	1.016	0.0014	-2.5 to 2.5	Pass
					4.37	1.173	0.0016	-2.5 to 2.5	Pass
				-30	3.80	0.916	0.0013	-2.5 to 2.5	Pass
				-20	3.80	1.788	0.0025	-2.5 to 2.5	Pass
				-10	3.80	-2.789	-0.0039	-2.5 to 2.5	Pass
				0	3.80	0.587	0.0008	-2.5 to 2.5	Pass
				10	3.80	-0.329	-0.0005	-2.5 to 2.5	Pass
				30	3.80	2.017	0.0028	-2.5 to 2.5	Pass
				40	3.80	1.602	0.0023	-2.5 to 2.5	Pass
				50	3.80	2.918	0.0041	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.23	-1.130	-0.0016	-2.5 to 2.5	Pass
					3.80	-0.129	-0.0002	-2.5 to 2.5	Pass
					4.37	0.687	0.0010	-2.5 to 2.5	Pass
				-30	3.80	-2.160	-0.0030	-2.5 to 2.5	Pass
				-20	3.80	-2.646	-0.0037	-2.5 to 2.5	Pass
				-10	3.80	-4.349	-0.0061	-2.5 to 2.5	Pass
				0	3.80	-3.376	-0.0048	-2.5 to 2.5	Pass
				10	3.80	-3.648	-0.0051	-2.5 to 2.5	Pass
				30	3.80	0.501	0.0007	-2.5 to 2.5	Pass
				40	3.80	0.629	0.0009	-2.5 to 2.5	Pass
				50	3.80	-1.802	-0.0025	-2.5 to 2.5	Pass
	710	50	0	20	3.23	-1.760	-0.0025	-2.5 to 2.5	Pass
					3.80	-0.744	-0.0010	-2.5 to 2.5	Pass
					4.37	-1.903	-0.0027	-2.5 to 2.5	Pass
				-30	3.80	-0.715	-0.0010	-2.5 to 2.5	Pass

				-20	3.80	-2.103	-0.0030	-2.5 to 2.5	Pass
				-10	3.80	0.243	0.0003	-2.5 to 2.5	Pass
				0	3.80	1.130	0.0016	-2.5 to 2.5	Pass
				10	3.80	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.80	1.616	0.0023	-2.5 to 2.5	Pass
				40	3.80	-1.173	-0.0017	-2.5 to 2.5	Pass
				50	3.80	-1.388	-0.0020	-2.5 to 2.5	Pass
	711	50	0	20	3.23	-0.515	-0.0007	-2.5 to 2.5	Pass
					3.80	2.933	0.0041	-2.5 to 2.5	Pass
					4.37	-0.844	-0.0012	-2.5 to 2.5	Pass
				-30	3.80	-0.715	-0.0010	-2.5 to 2.5	Pass
				-20	3.80	0.043	0.0001	-2.5 to 2.5	Pass
				-10	3.80	-1.531	-0.0022	-2.5 to 2.5	Pass
				0	3.80	0.243	0.0003	-2.5 to 2.5	Pass
				10	3.80	0.629	0.0009	-2.5 to 2.5	Pass
				30	3.80	-0.672	-0.0009	-2.5 to 2.5	Pass
				40	3.80	-1.616	-0.0023	-2.5 to 2.5	Pass
				50	3.80	-0.730	-0.0010	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

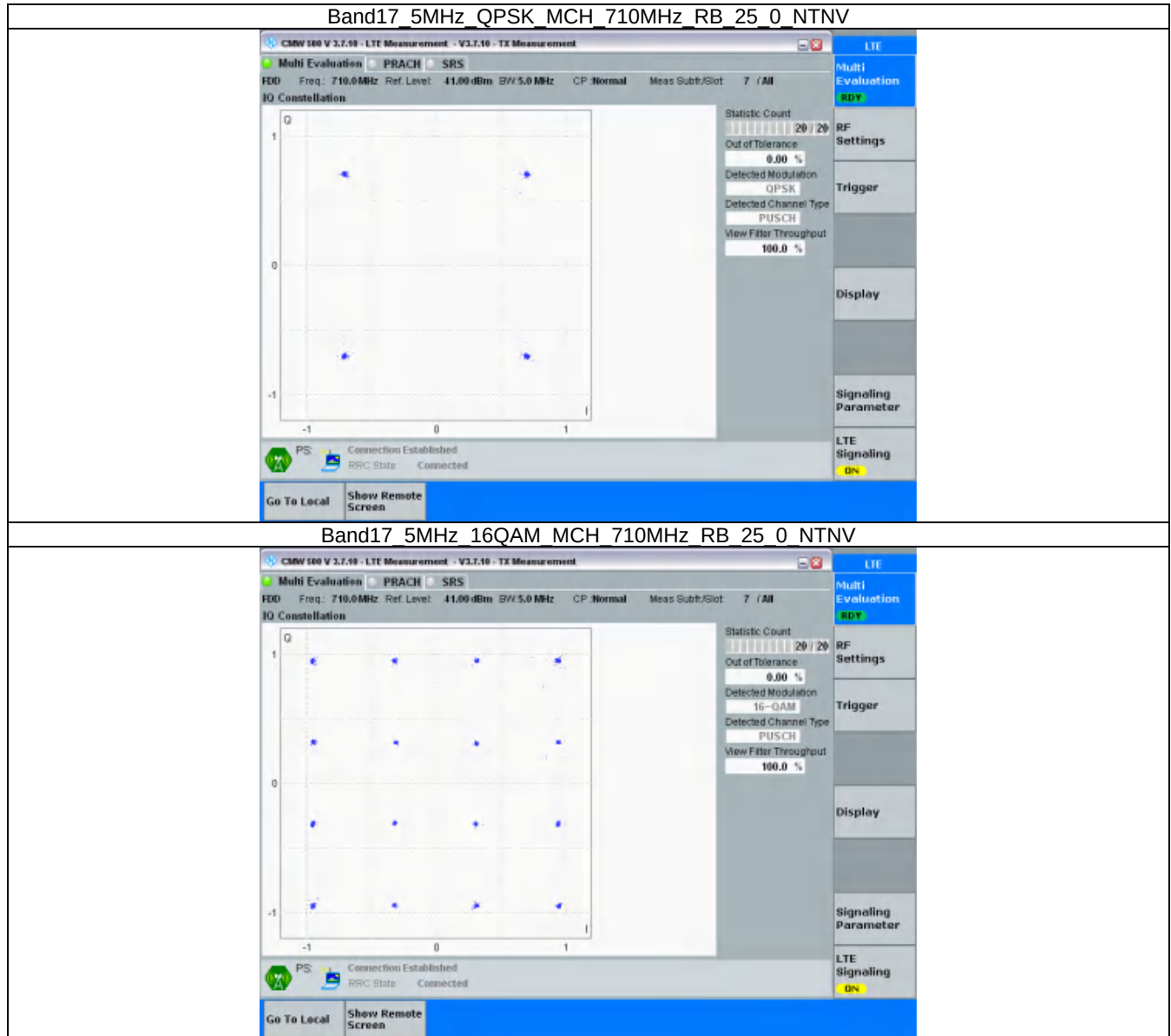
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

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

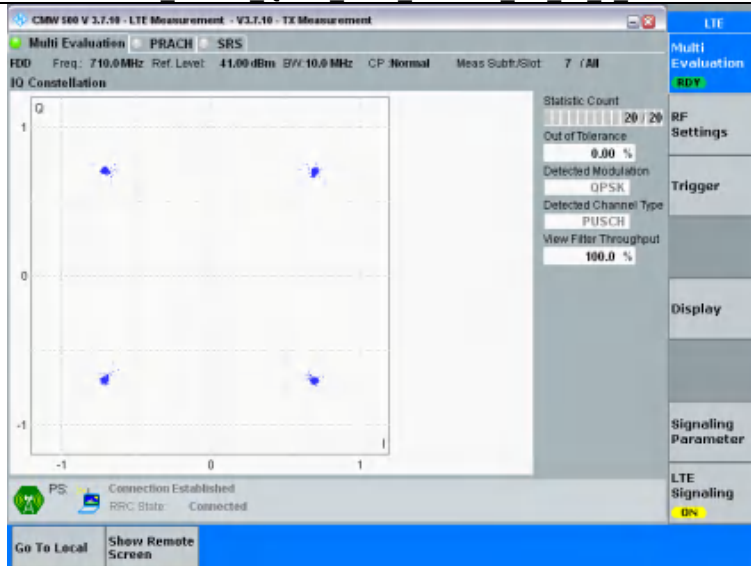
3.2 Test Graph

3.2.1 B17_5MHz

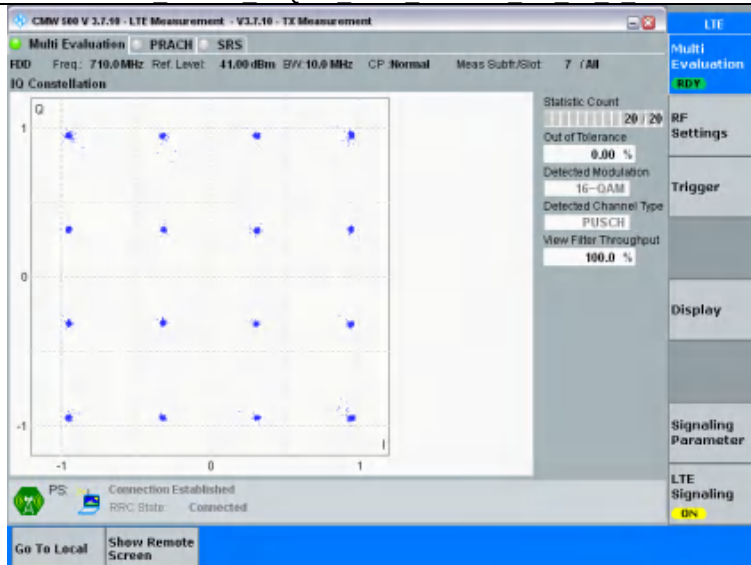


3.2.2 B17_10MHz

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	4.550	/	Pass
		710	25	0	4.538	/	Pass
		713.5	25	0	4.562	/	Pass
	16QAM	706.5	25	0	4.550	/	Pass
		710	25	0	4.564	/	Pass
		713.5	25	0	4.533	/	Pass
10	QPSK	709	50	0	9.054	/	Pass
		710	50	0	9.050	/	Pass
		711	50	0	9.060	/	Pass
	16QAM	709	50	0	9.026	/	Pass
		710	50	0	9.032	/	Pass
		711	50	0	9.076	/	Pass

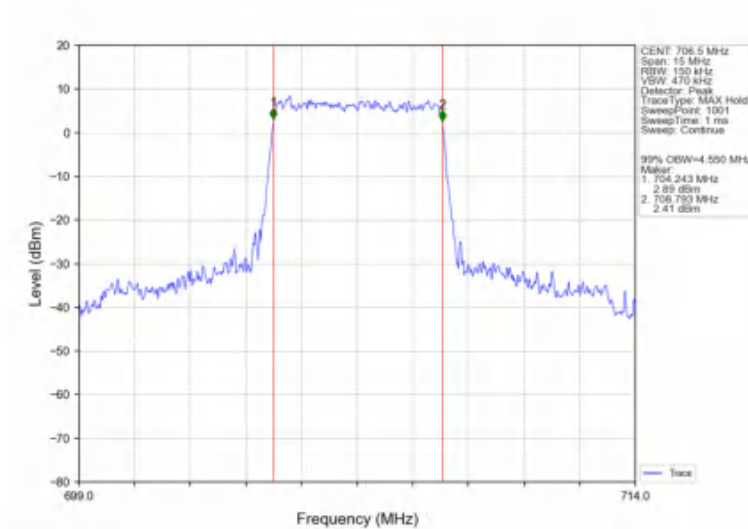
4.1.2 Band17_XDB

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.012	/	Pass
		710	25	0	5.015	/	Pass
		713.5	25	0	5.072	/	Pass
	16QAM	706.5	25	0	5.219	/	Pass
		710	25	0	5.045	/	Pass
		713.5	25	0	5.029	/	Pass
10	QPSK	709	50	0	9.890	/	Pass
		710	50	0	9.904	/	Pass
		711	50	0	10.060	/	Pass
	16QAM	709	50	0	9.975	/	Pass
		710	50	0	9.883	/	Pass
		711	50	0	9.931	/	Pass

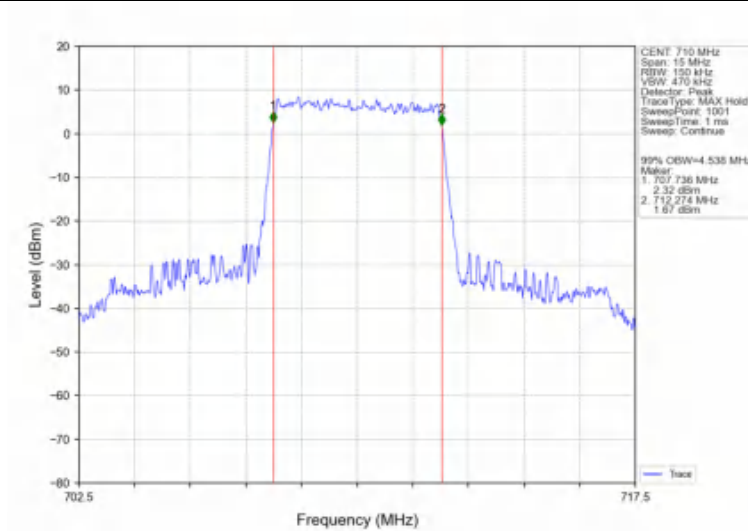
4.2 Test Graph

4.2.1 Band17_OBW

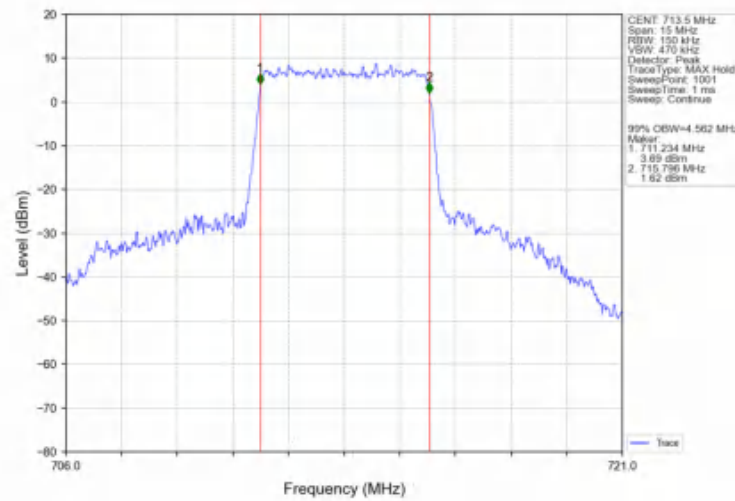
Band17 5MHz QPSK LCH 706.5MHz RB 25_0 NTNv



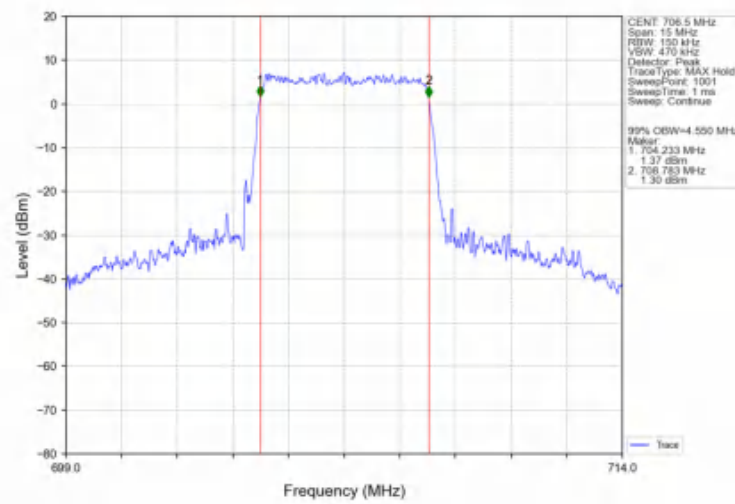
Band17 5MHz QPSK MCH 710MHz RB 25_0 NTNv



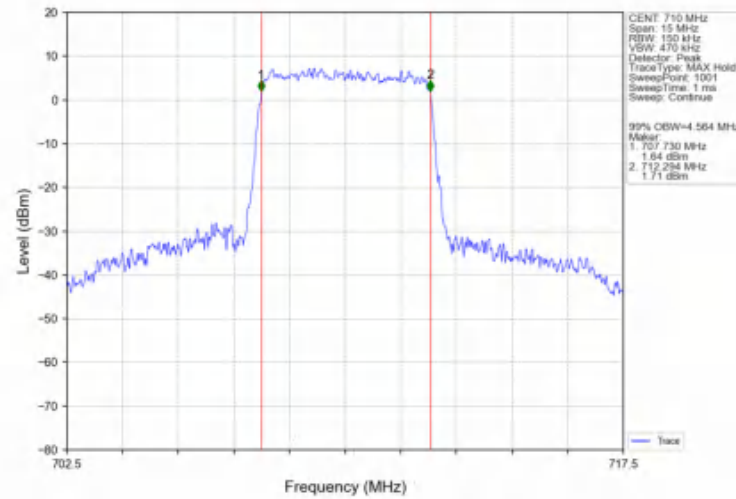
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



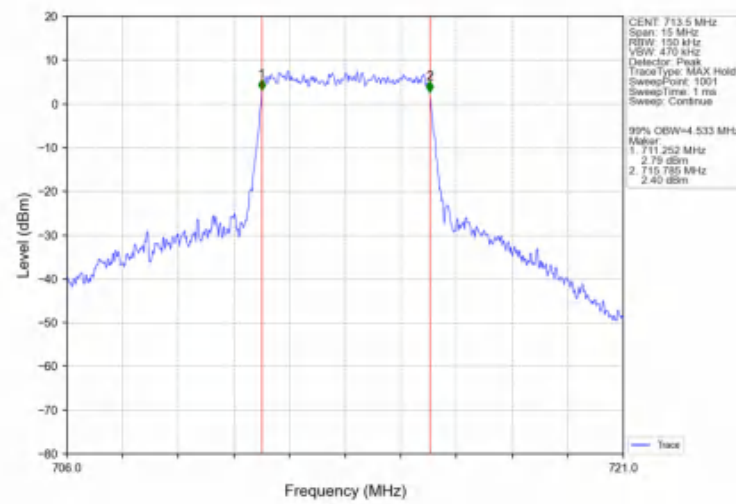
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



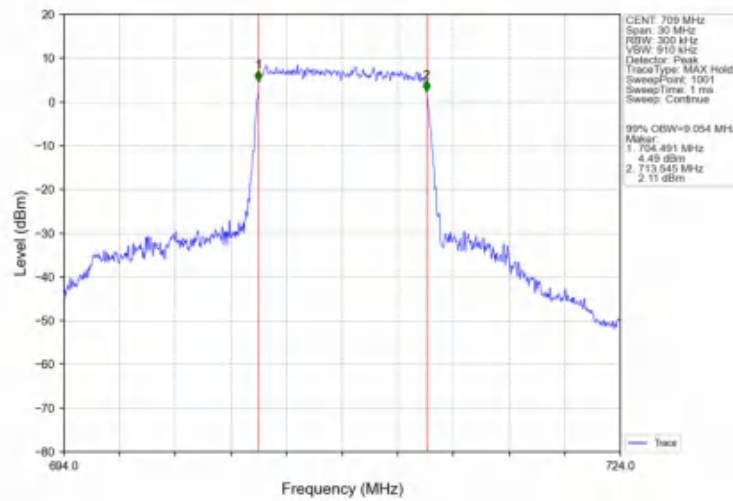
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



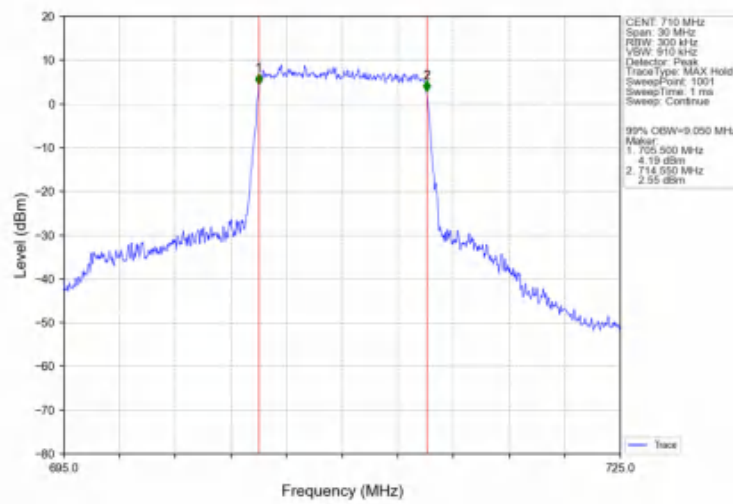
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



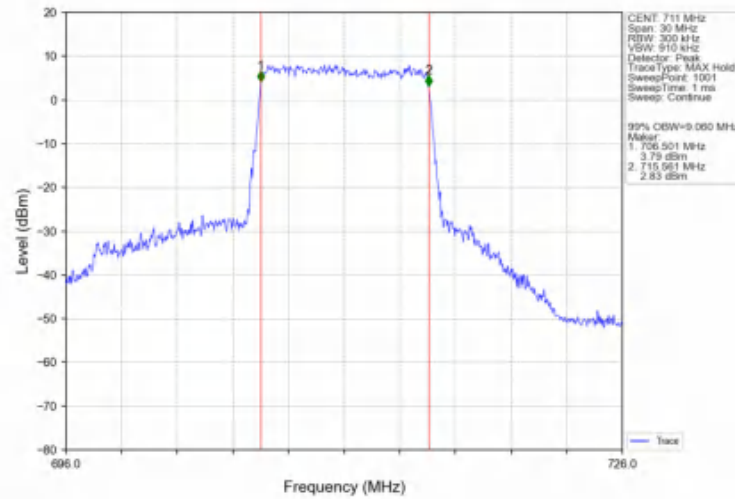
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



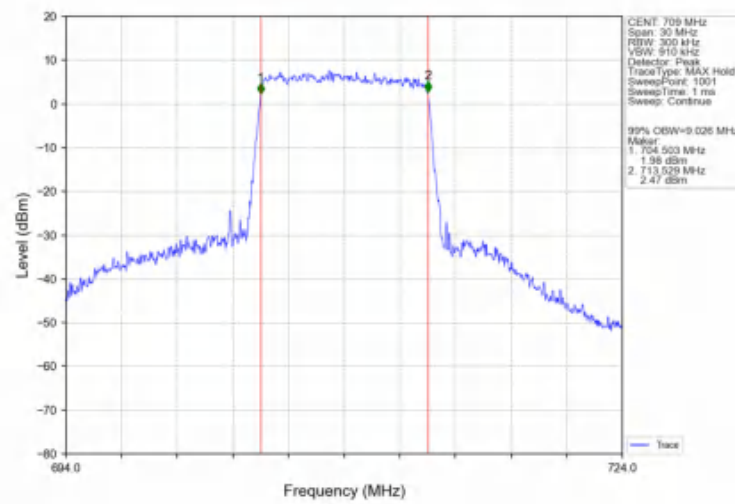
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



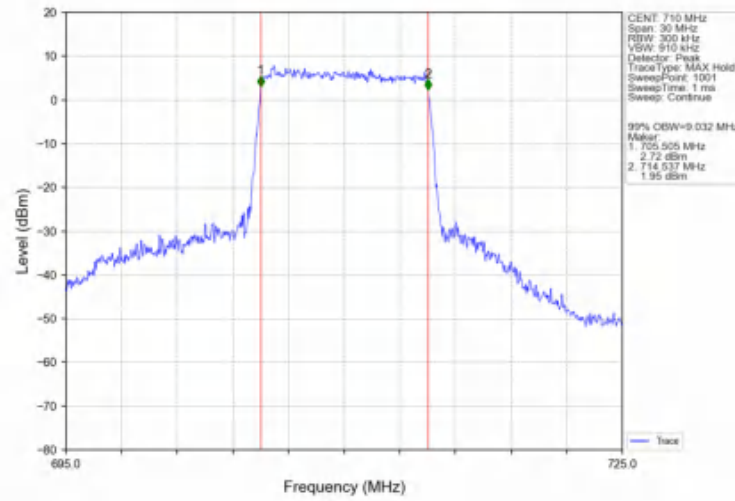
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



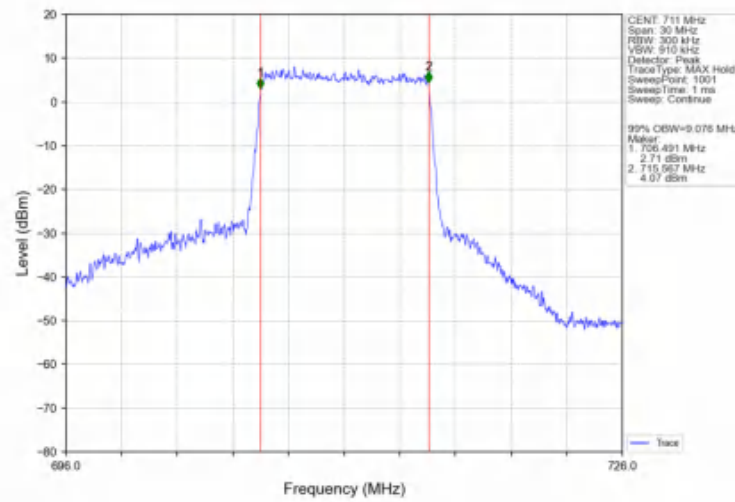
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

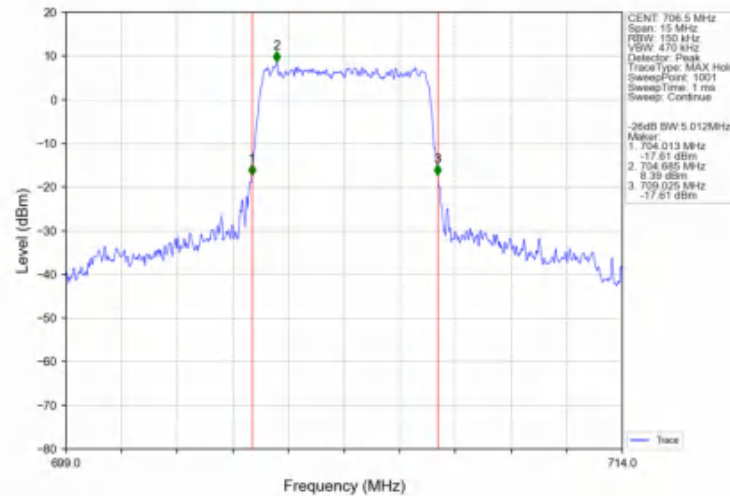


Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

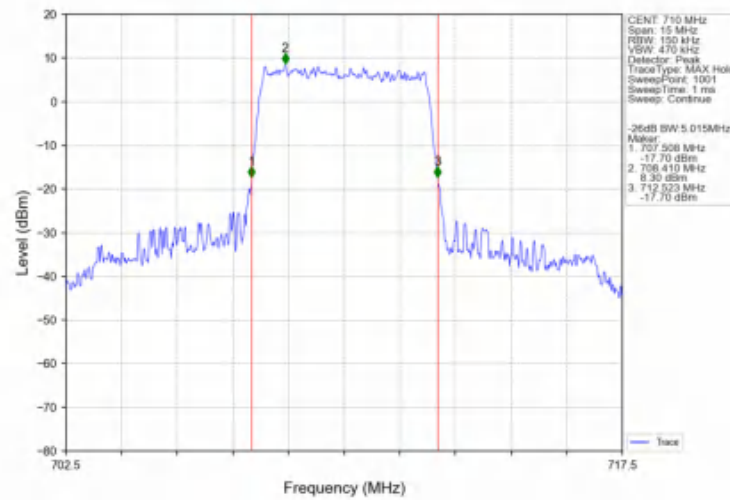


4.2.2 Band17_XDB

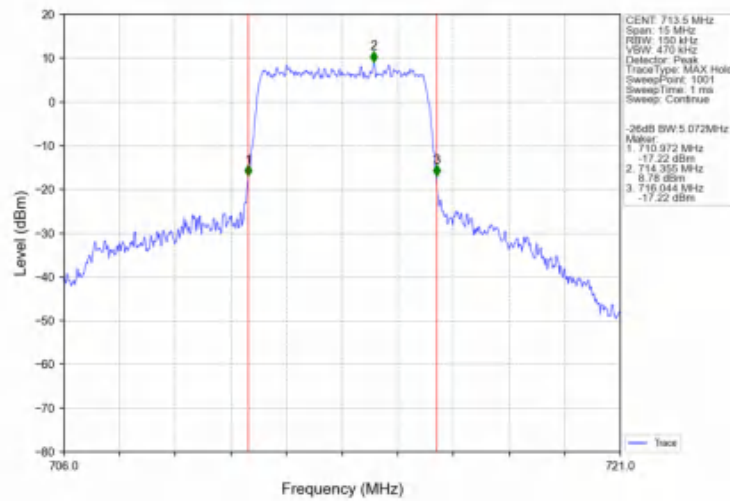
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



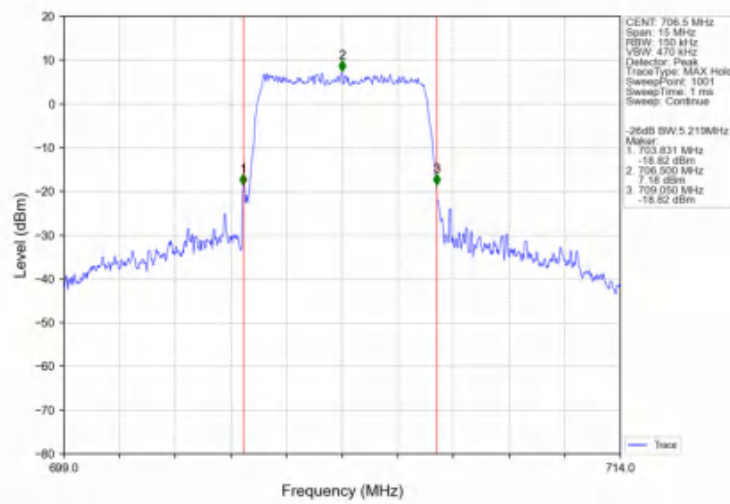
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



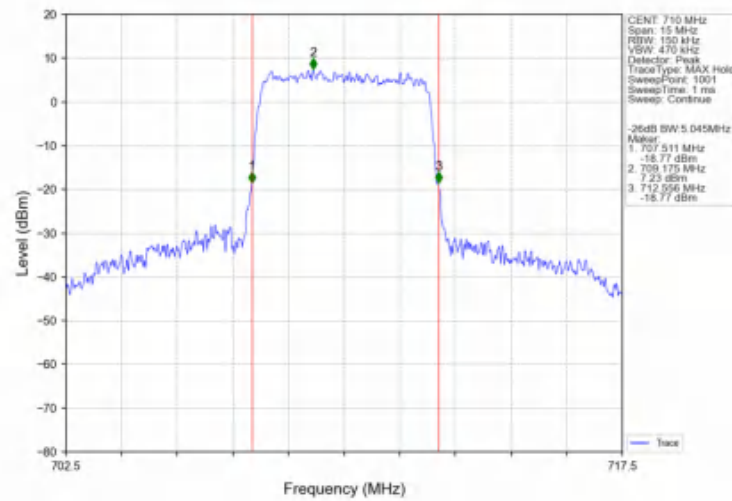
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



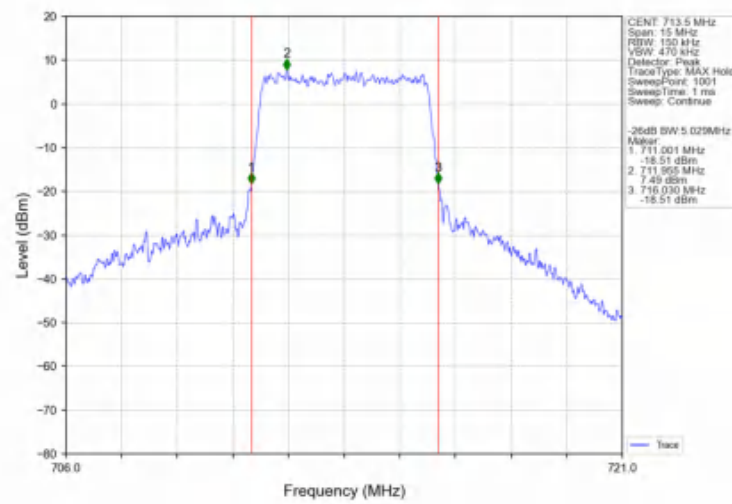
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



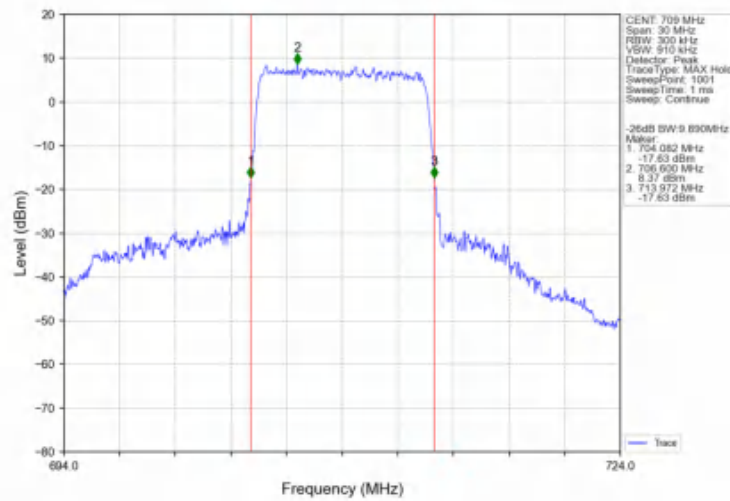
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



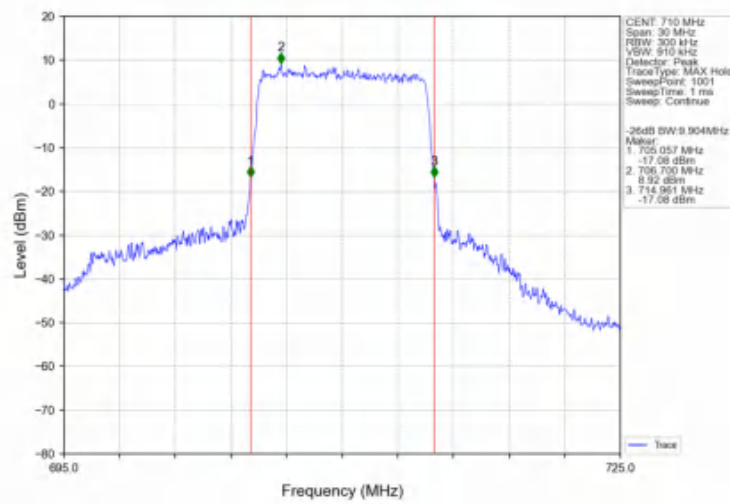
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



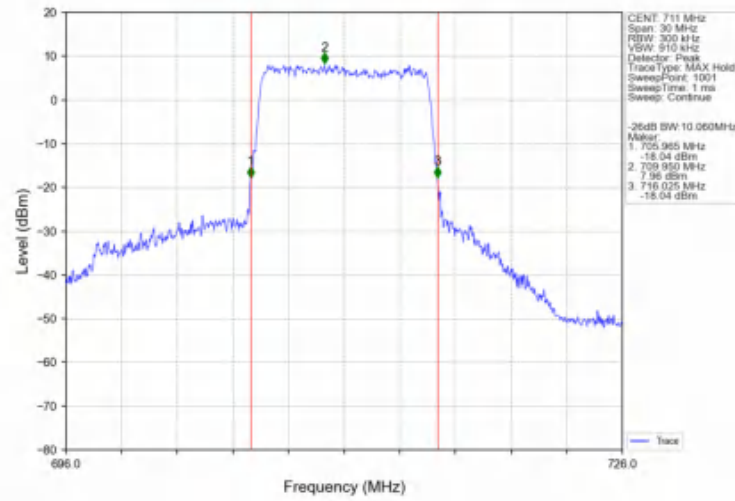
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



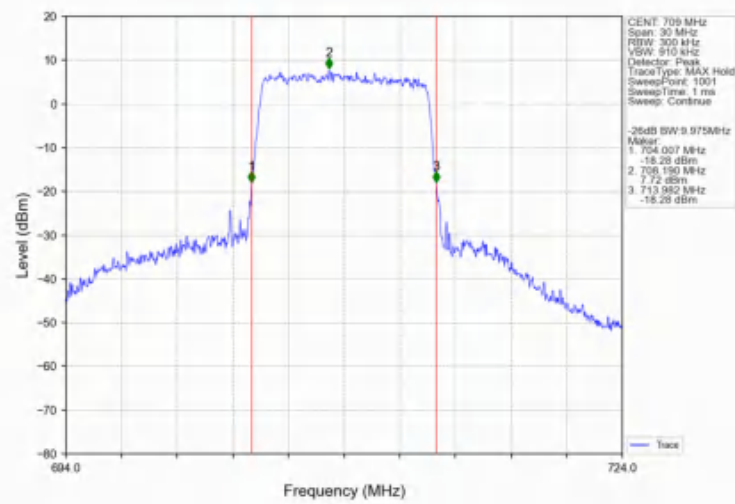
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



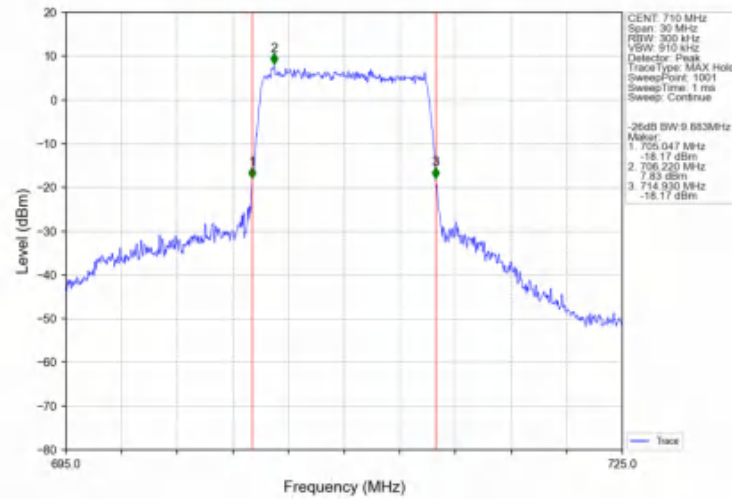
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



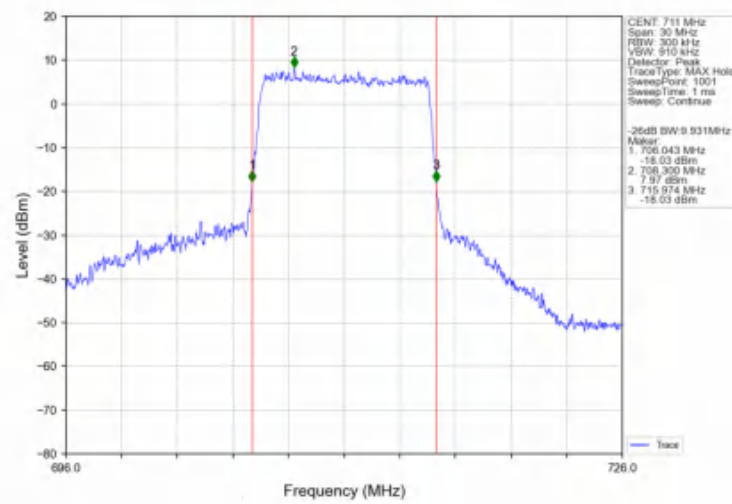
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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	5.42	<=13	Pass
	710	25	0	5.46	<=13	Pass
	713.5	25	0	5.12	<=13	Pass
16QAM	706.5	25	0	6.11	<=13	Pass
	710	25	0	6.17	<=13	Pass
	713.5	25	0	5.84	<=13	Pass

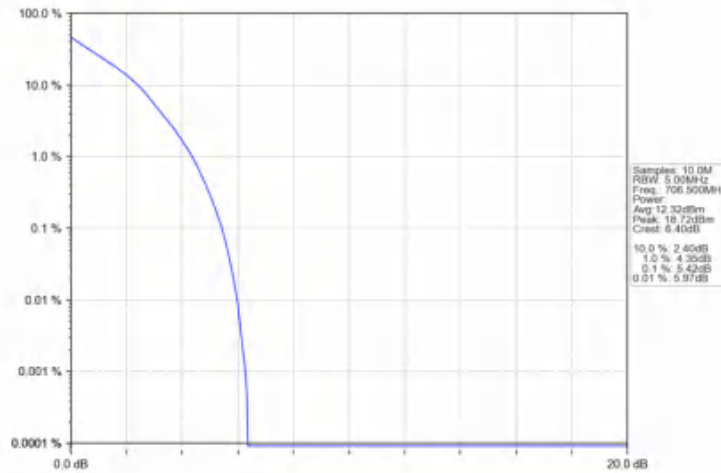
5.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.30	<=13	Pass
	710	50	0	5.28	<=13	Pass
	711	50	0	5.27	<=13	Pass
16QAM	709	50	0	6.14	<=13	Pass
	710	50	0	6.11	<=13	Pass
	711	50	0	6.03	<=13	Pass

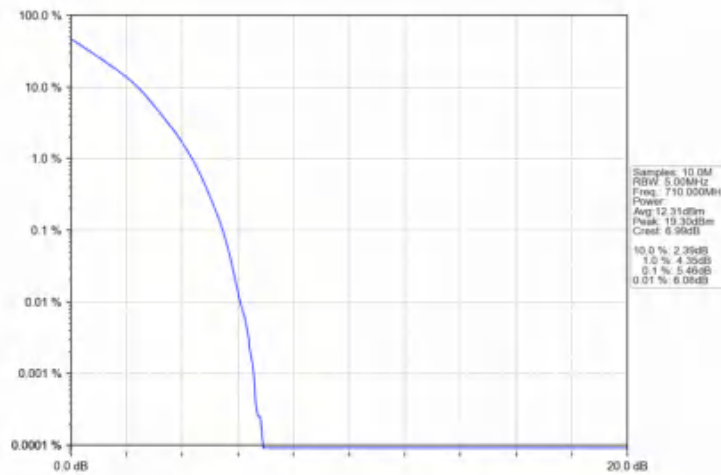
5.2 Test Graph

5.2.1 B17_5MHz

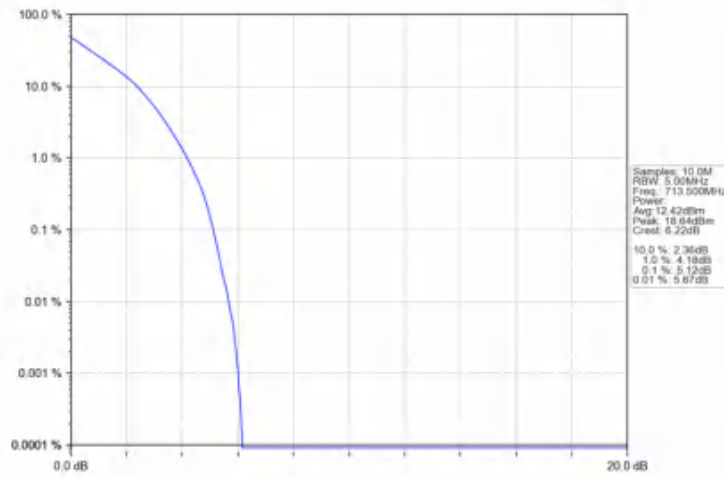
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



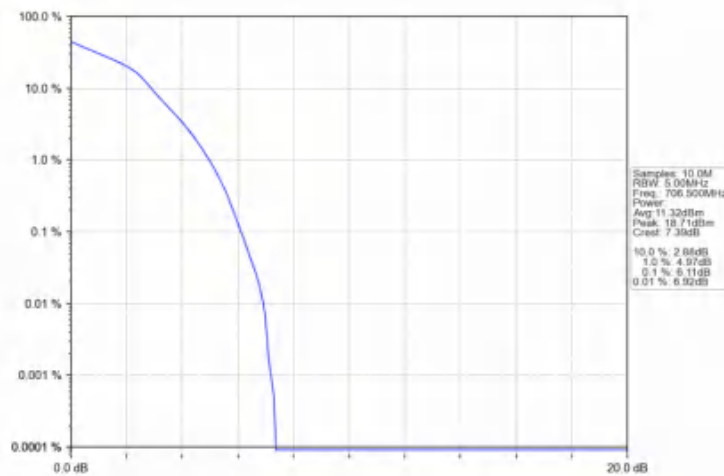
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



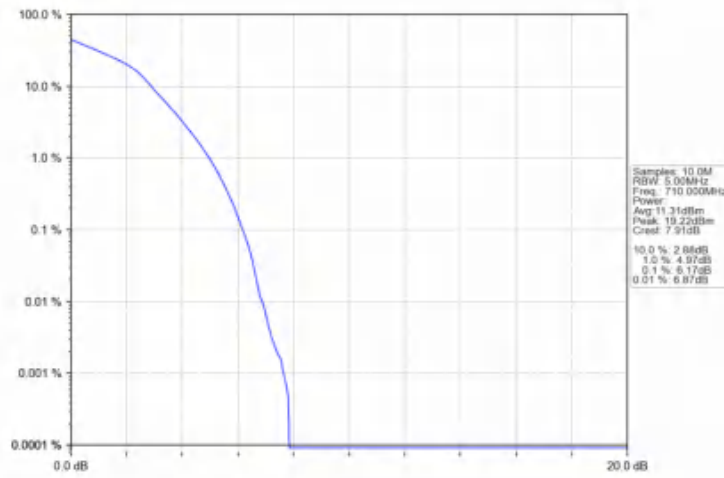
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



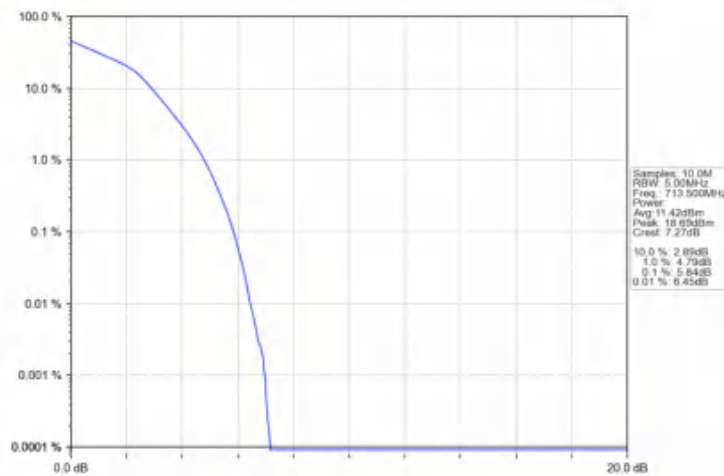
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

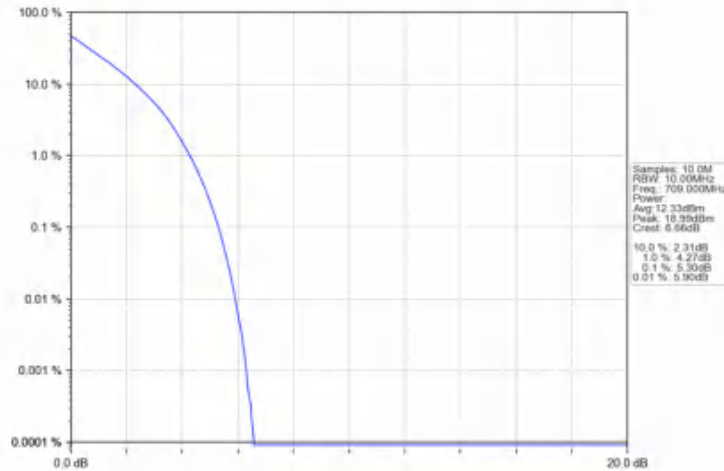


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

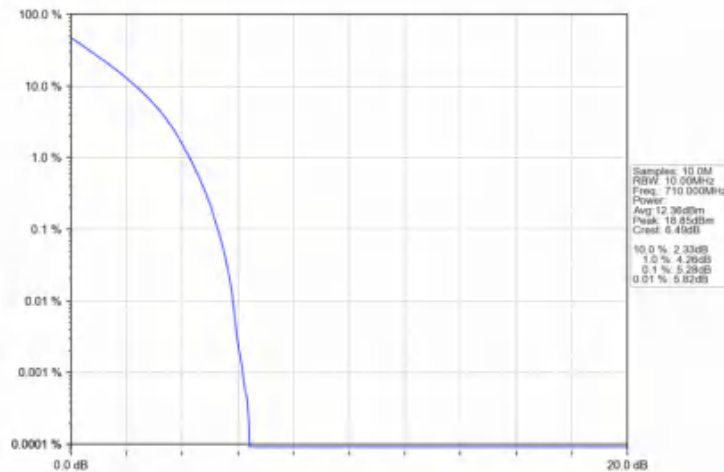


5.2.2 B17_10MHz

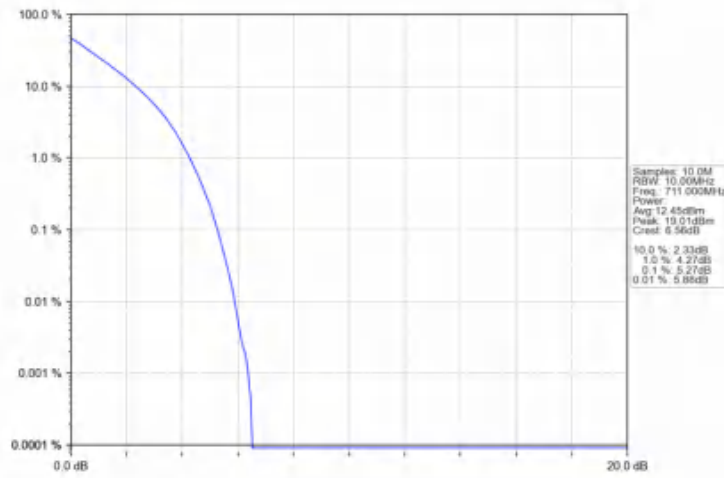
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



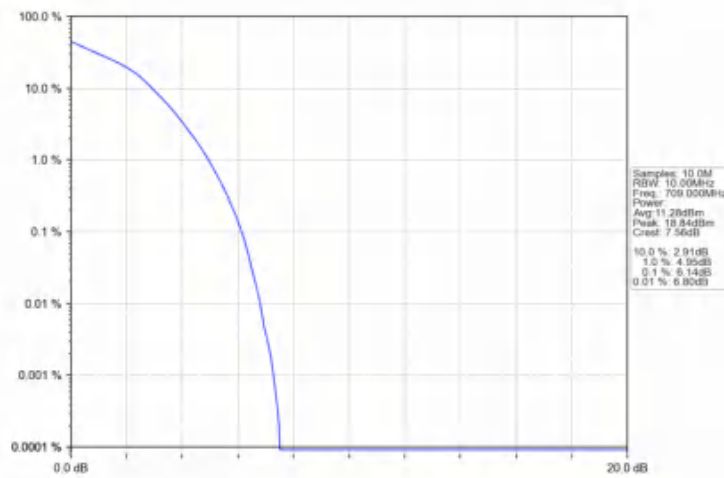
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



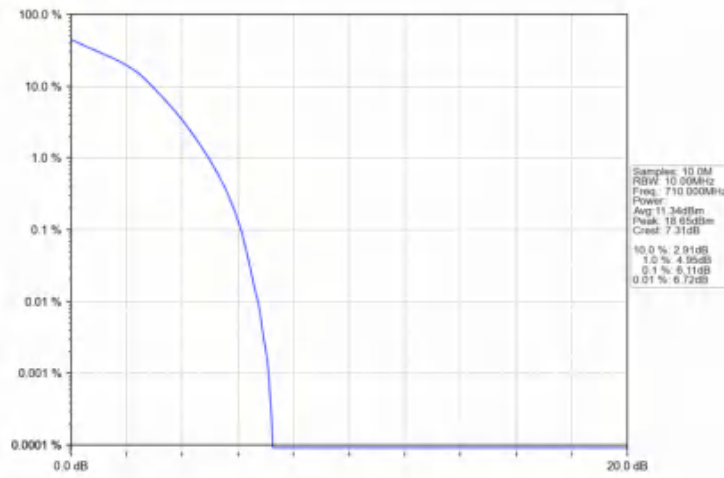
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



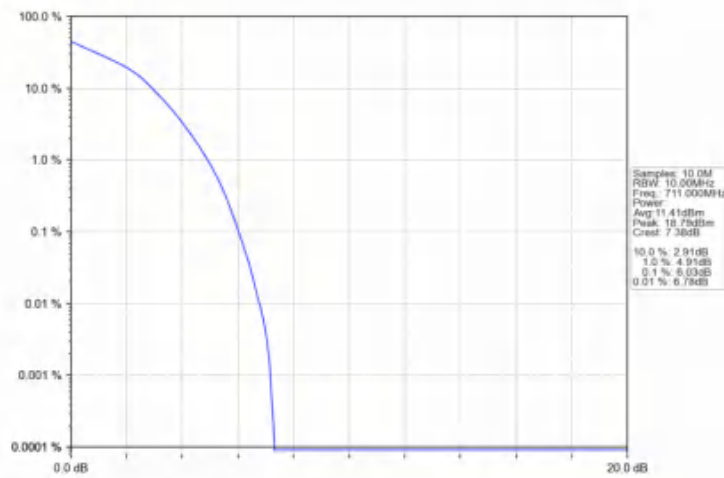
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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		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

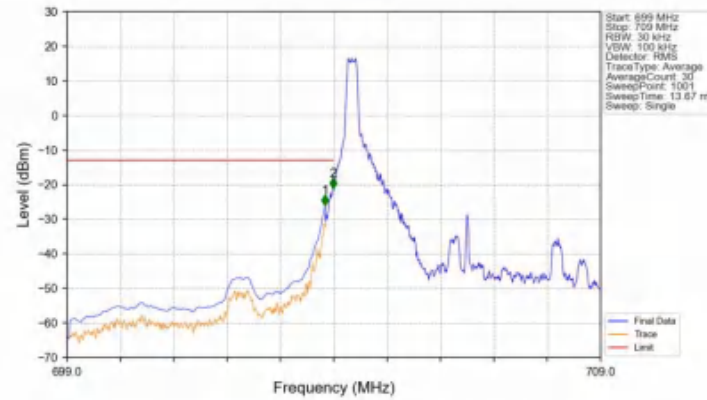
6.1.2 B17_10MHz

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

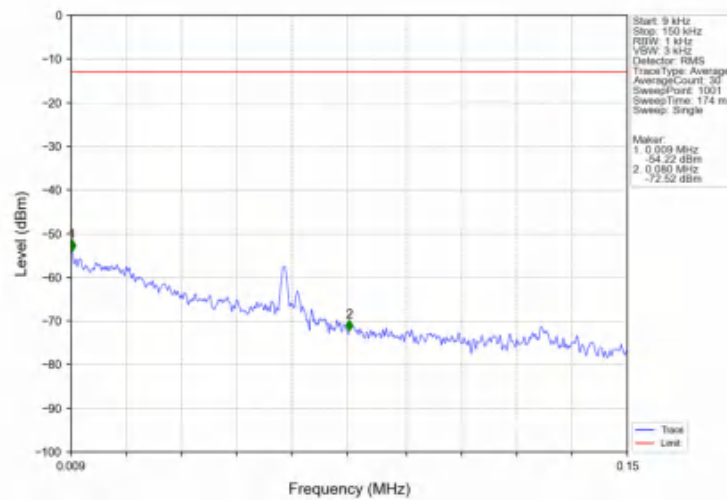
6.2.1 B17_5MHz

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

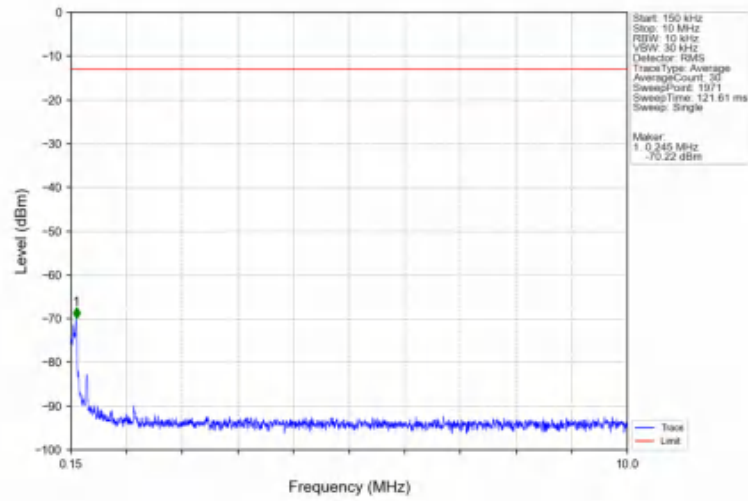


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-25.99	-13	Pass
703.9	704	0.03	/	2	703.990	-21.09	-13	Pass
704	709	0.03	/	/	/	/	/	/

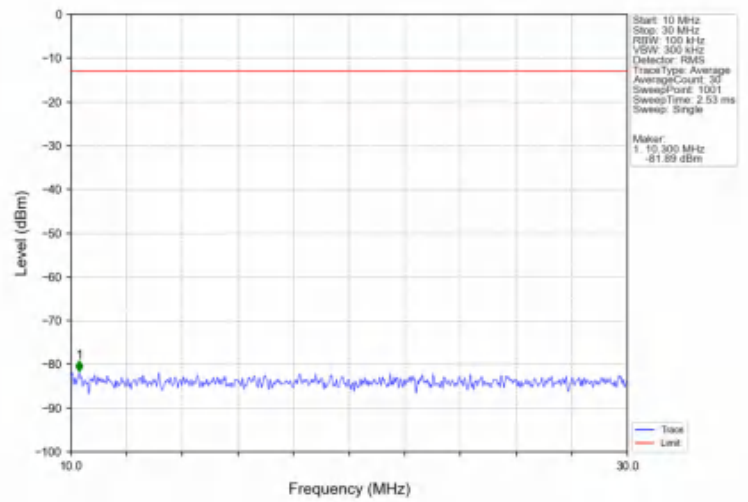
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



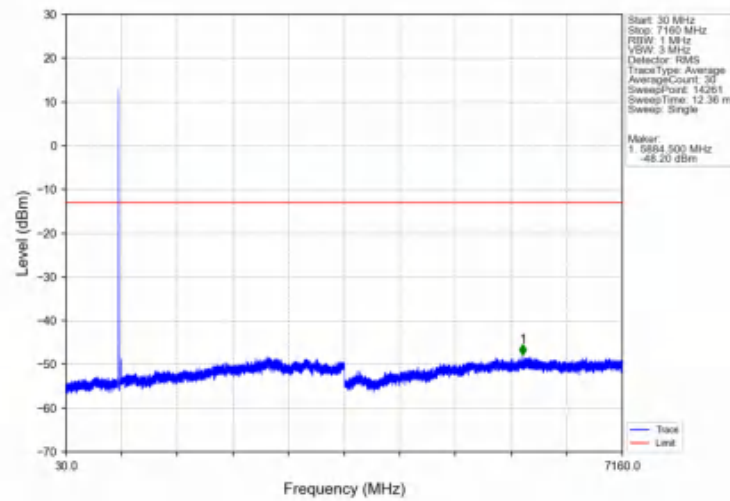
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



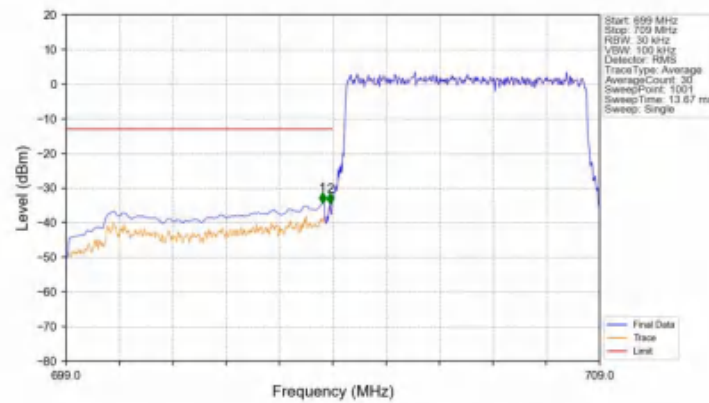
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

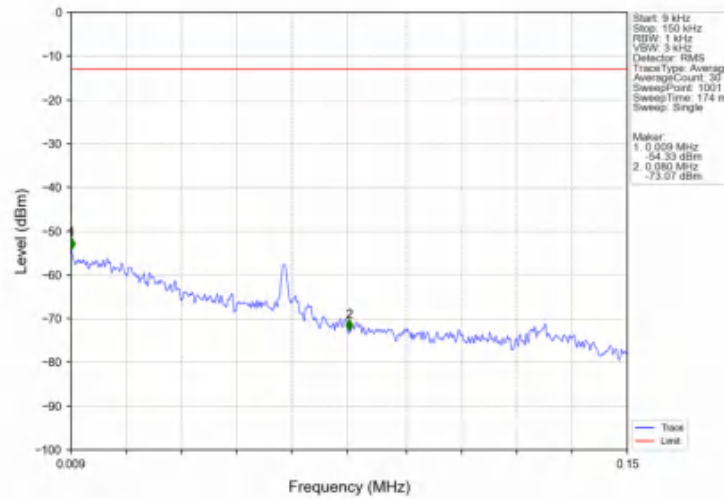


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

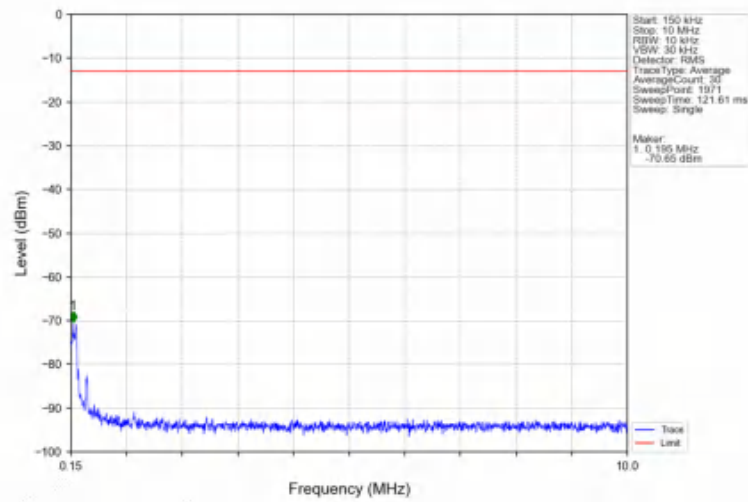


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.810	-34.49	-13	Pass
703.9	704	0.03	/	2	703.950	-34.59	-13	Pass
704	709	0.03	/	/	/	/	/	/

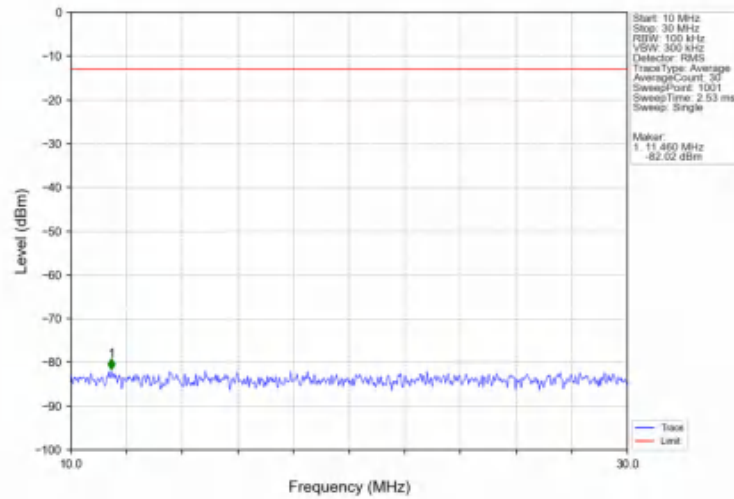
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



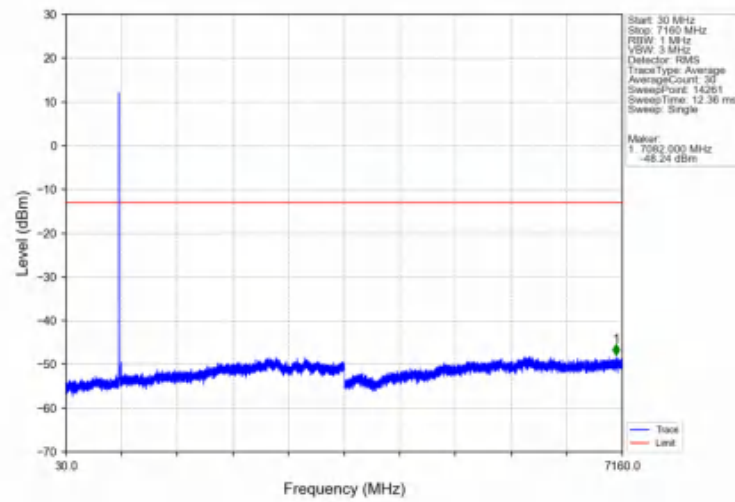
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



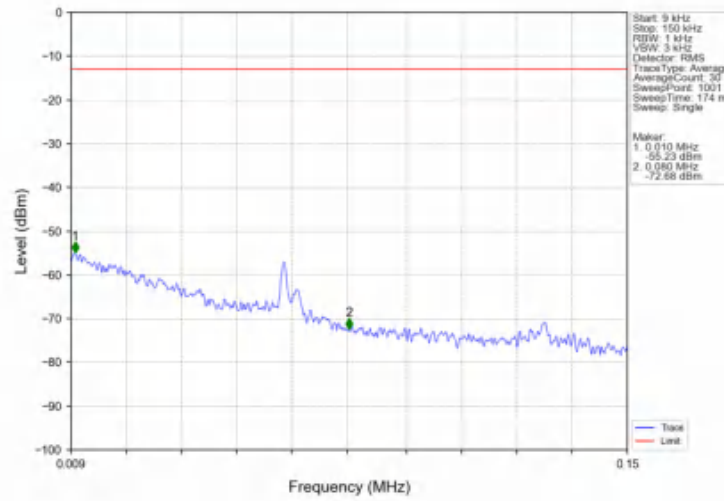
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



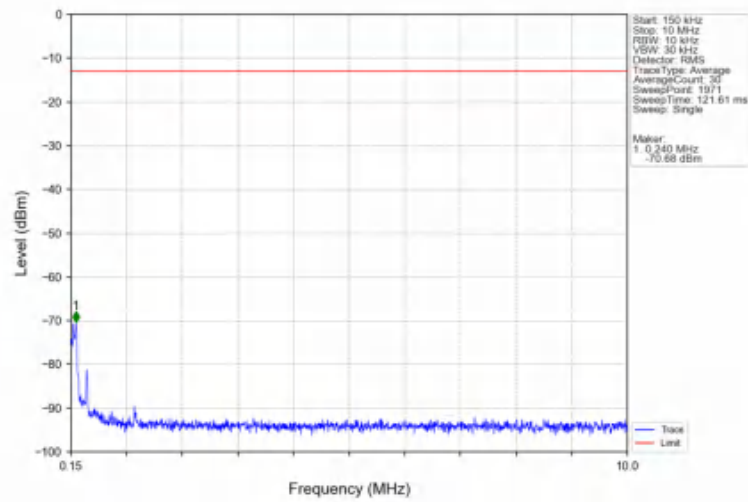
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



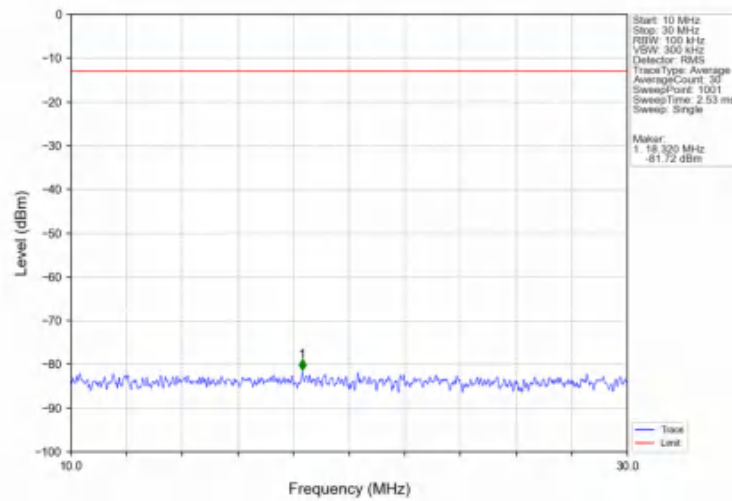
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



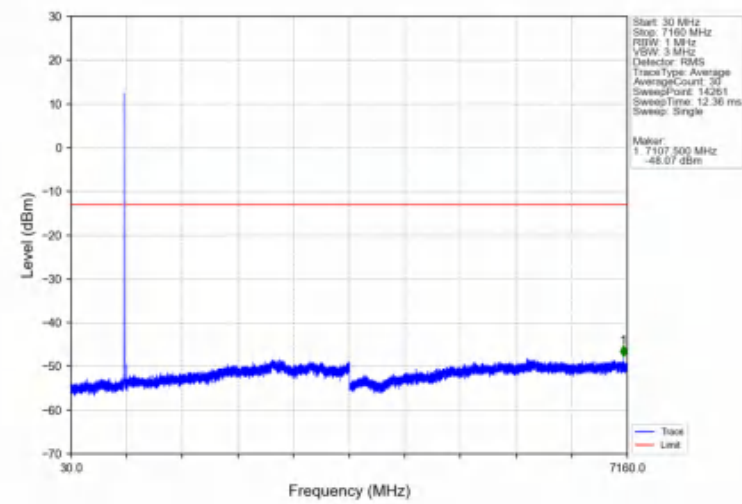
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



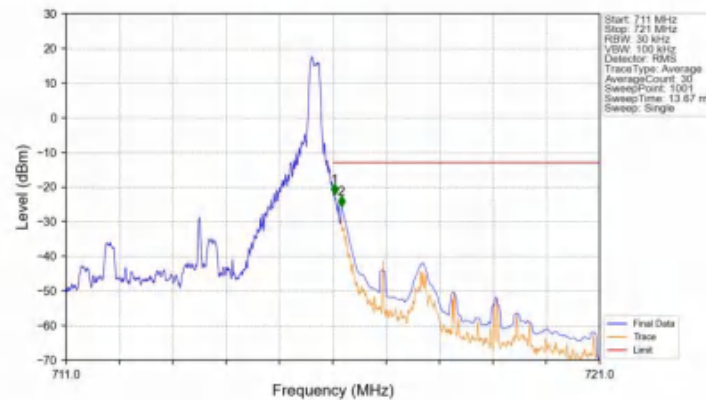
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

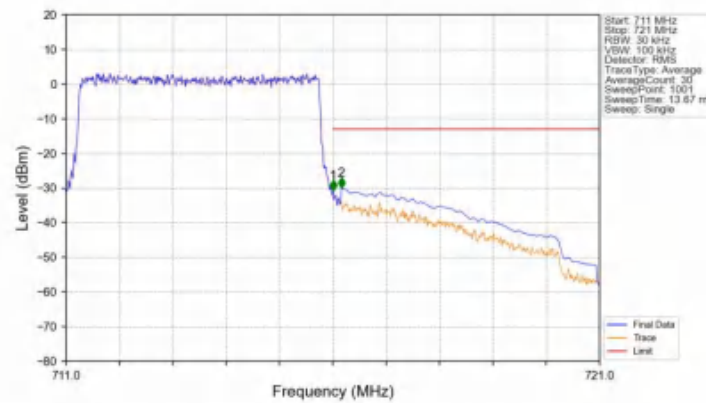


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



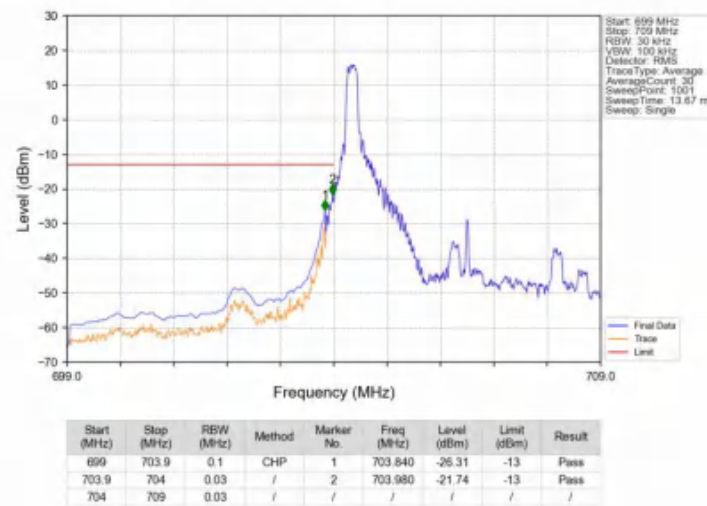
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-22.25	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.70	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

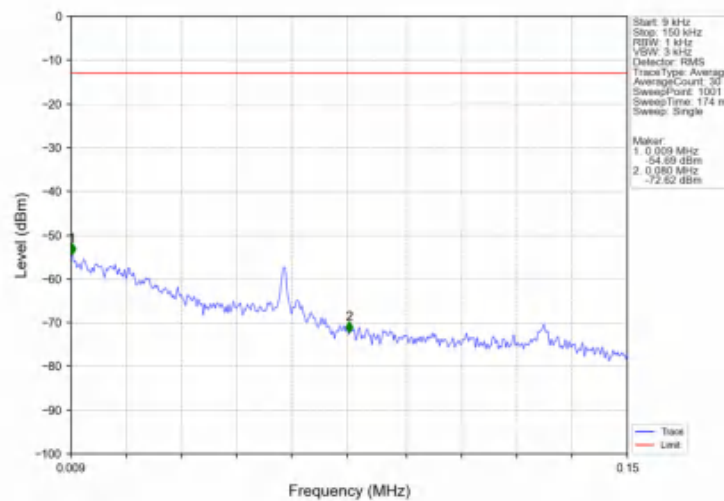


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-30.78	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.01	-13	Pass

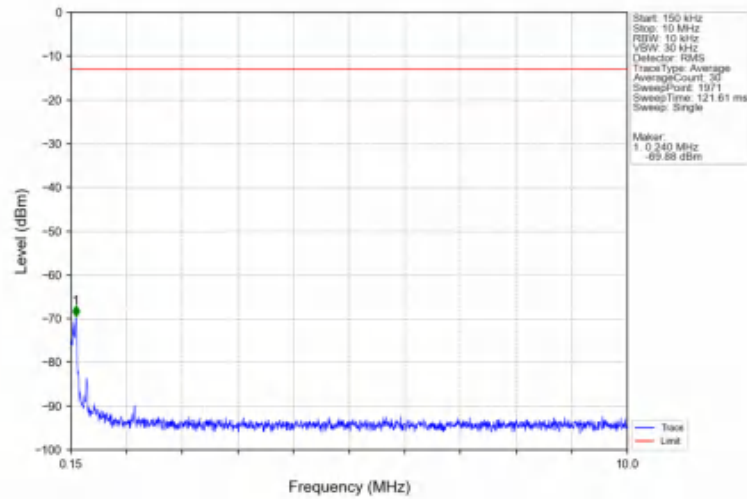
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



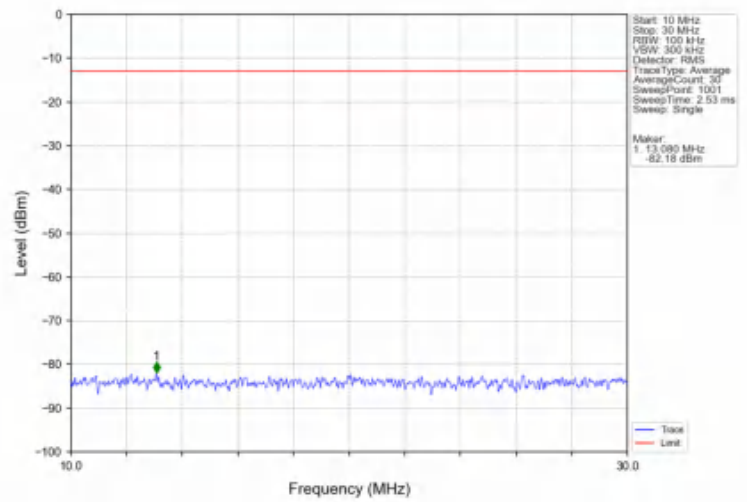
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



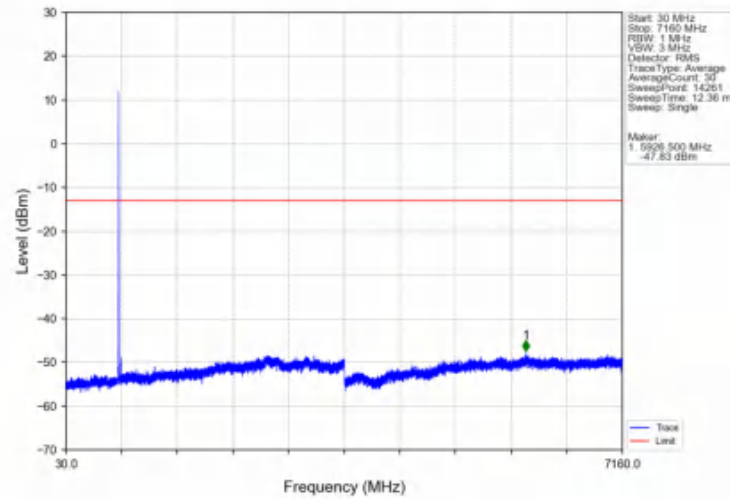
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



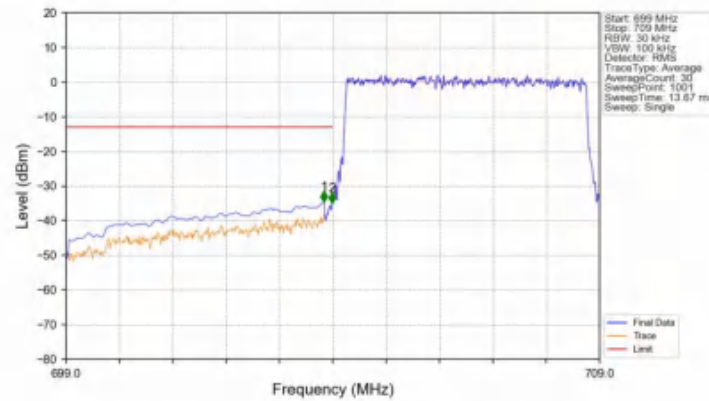
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

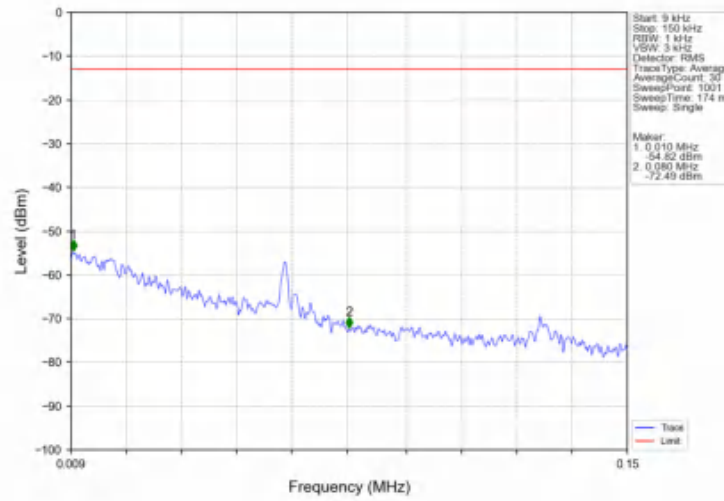


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

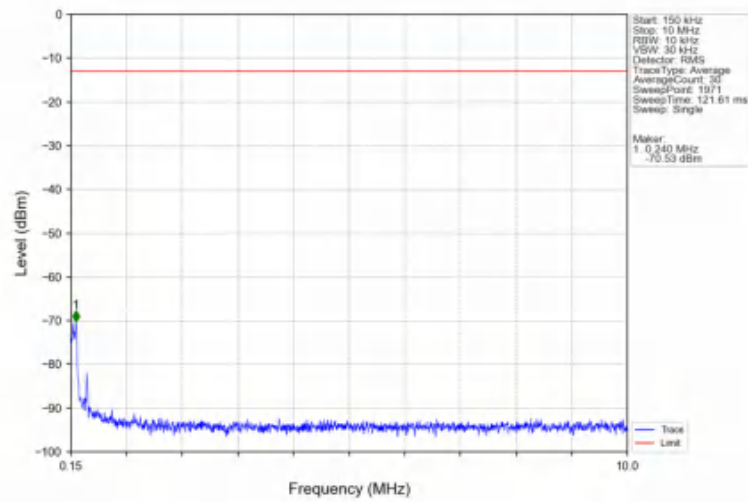


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-34.60	-13	Pass
703.9	704	0.03	/	2	703.990	-34.94	-13	Pass
704	709	0.03	/	/	/	/	/	/

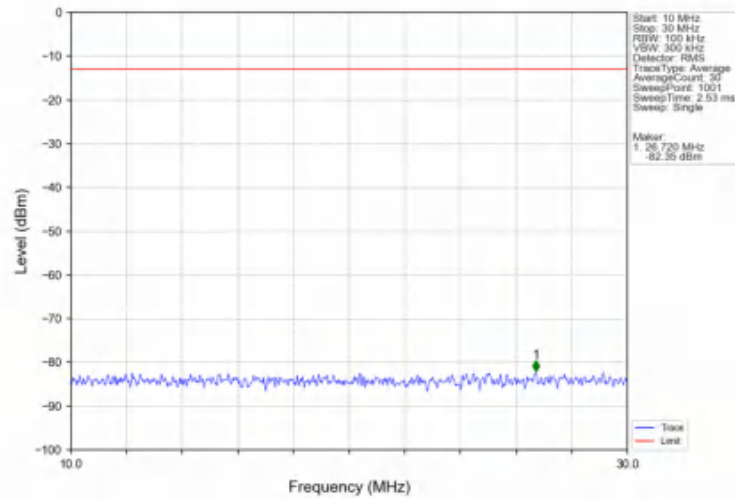
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



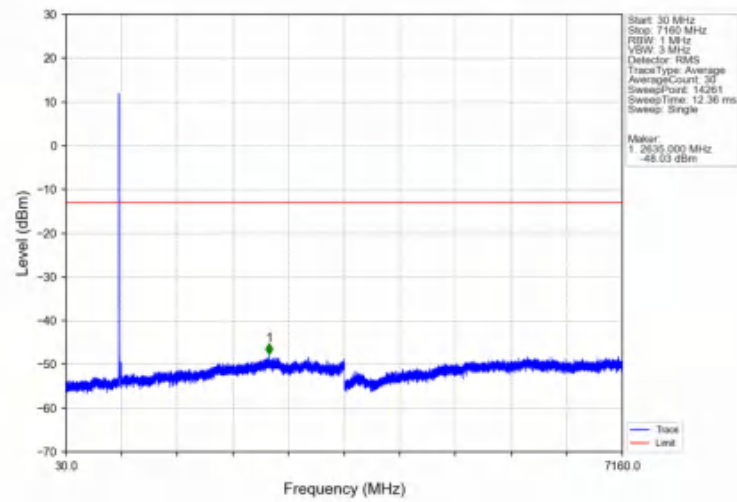
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



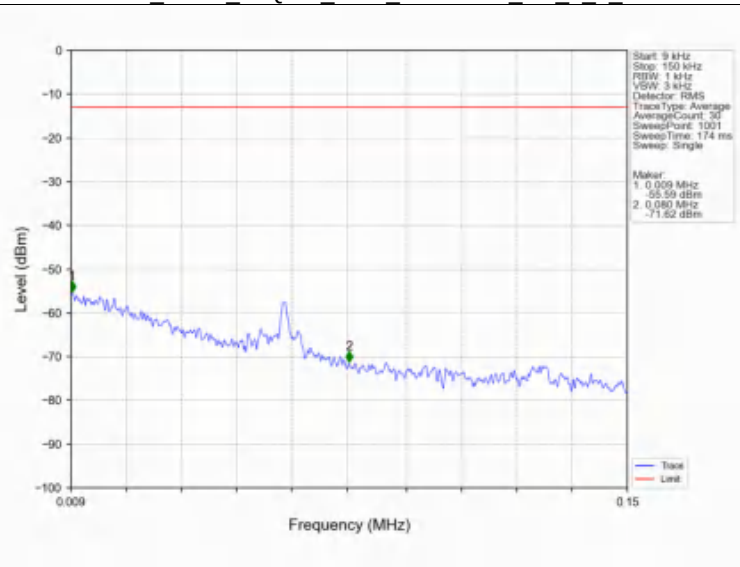
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



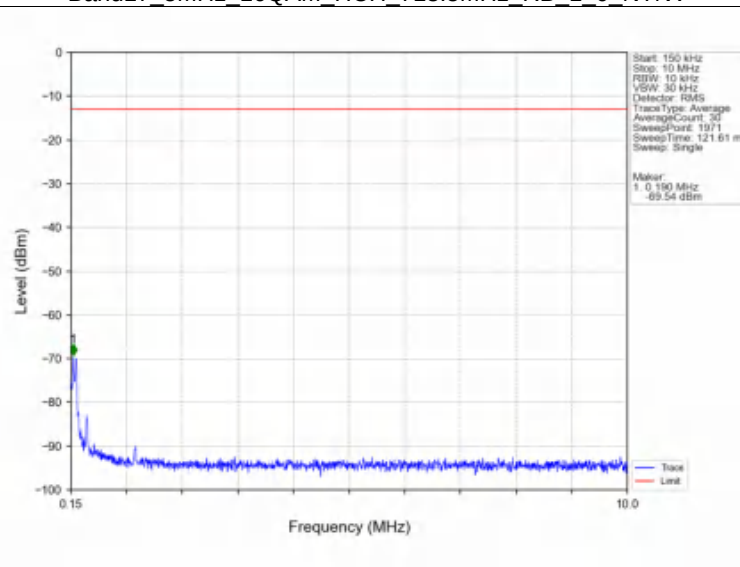
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



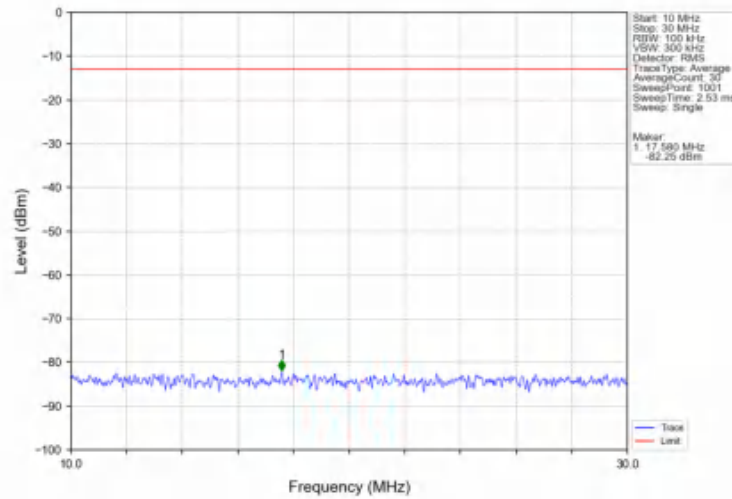
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



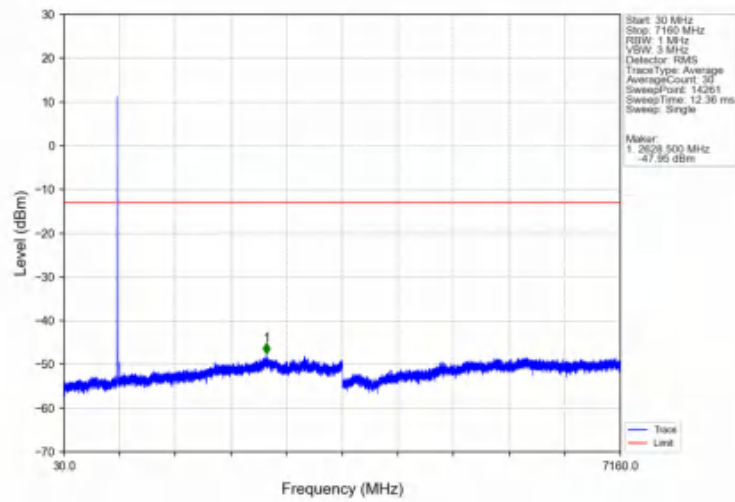
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



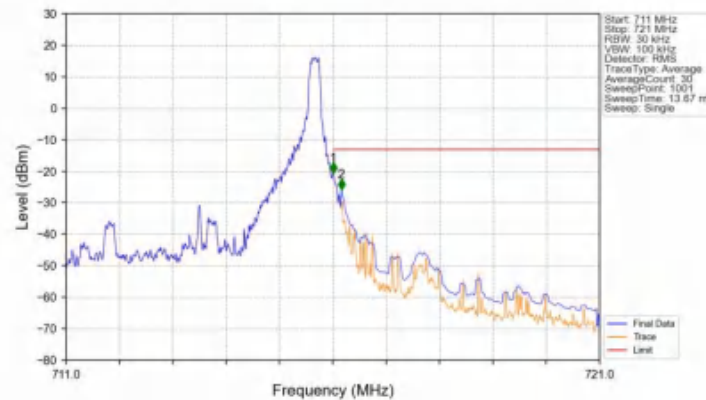
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

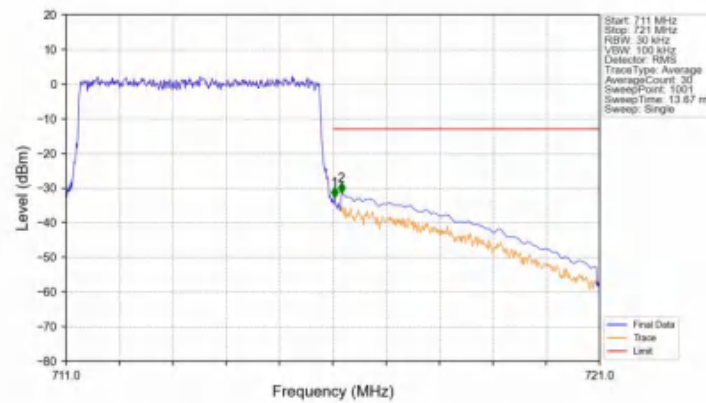


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-20.57	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.81	-13	Pass

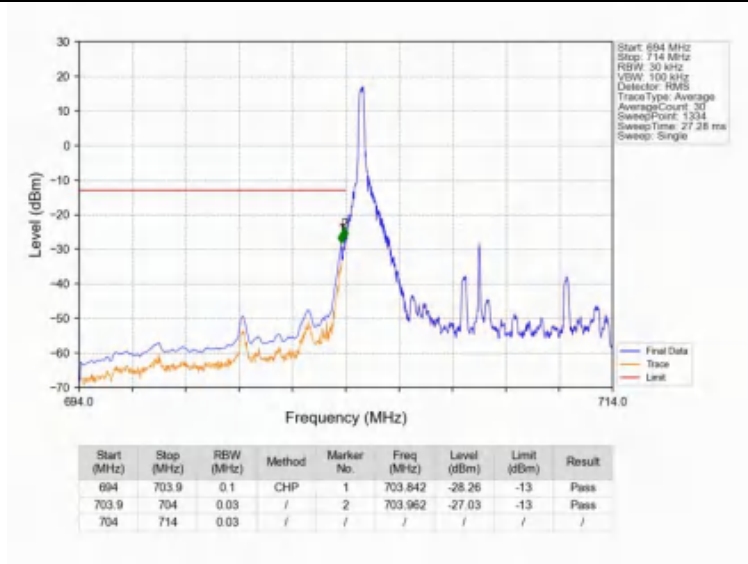
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



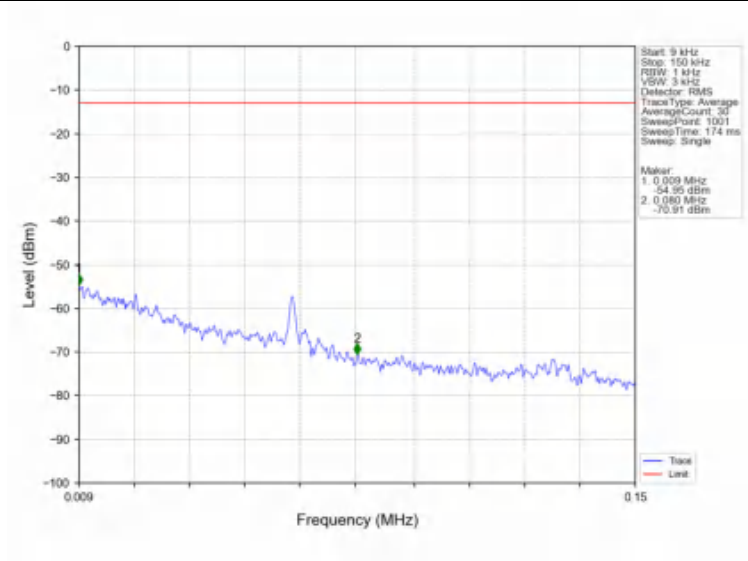
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-32.80	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.47	-13	Pass

6.2.2 B17_10MHz

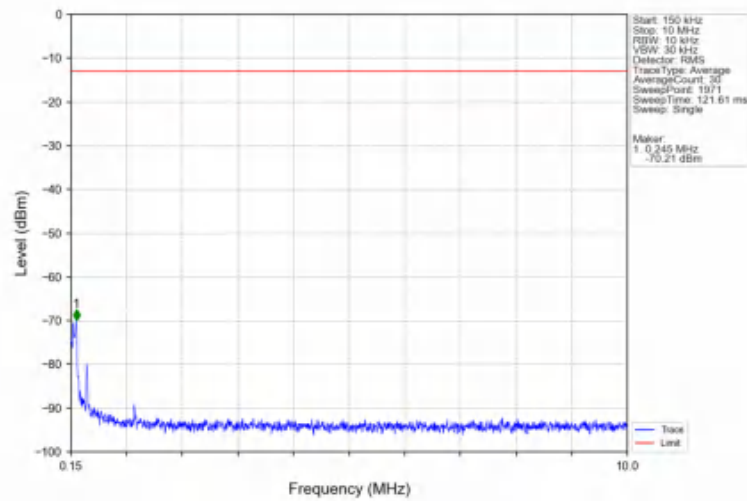
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



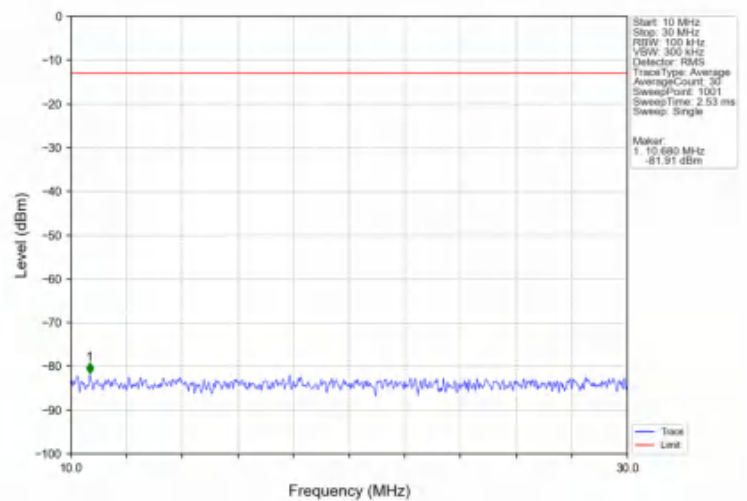
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



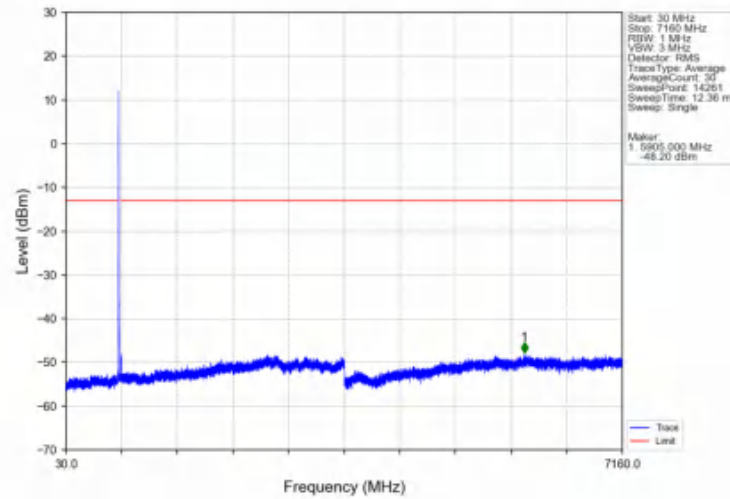
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



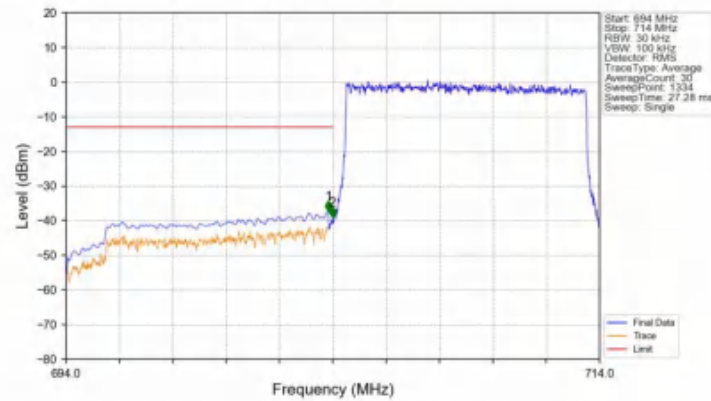
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

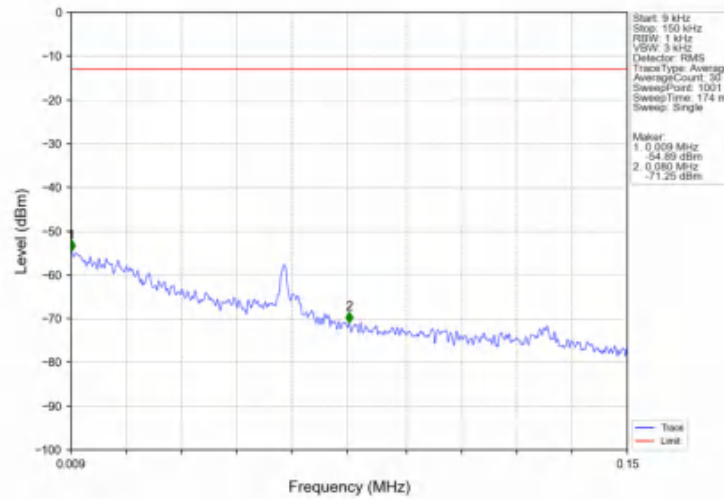


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

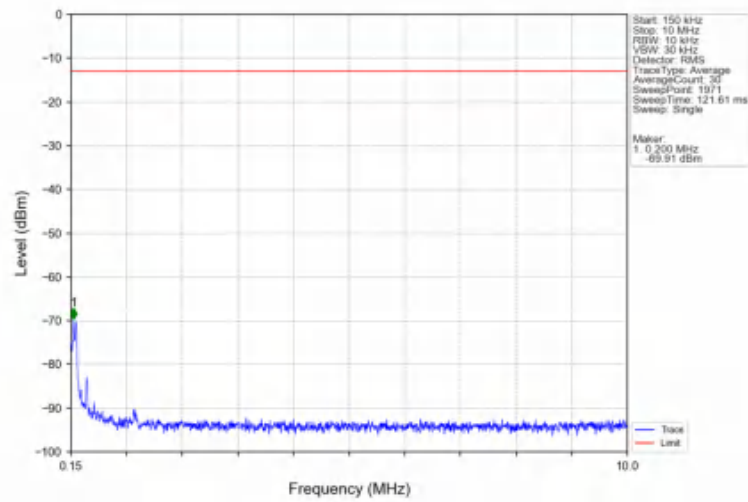


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-37.25	-13	Pass
703.9	704	0.03	/	2	703.992	-39.20	-13	Pass
704	714	0.03	/	/	/	/	/	/

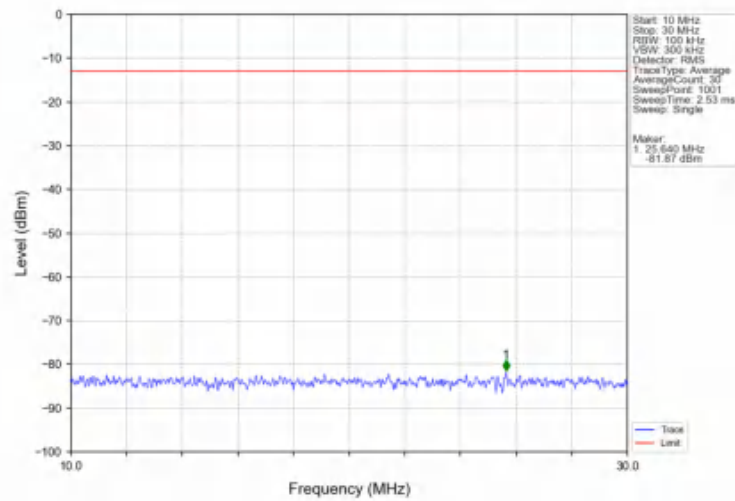
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



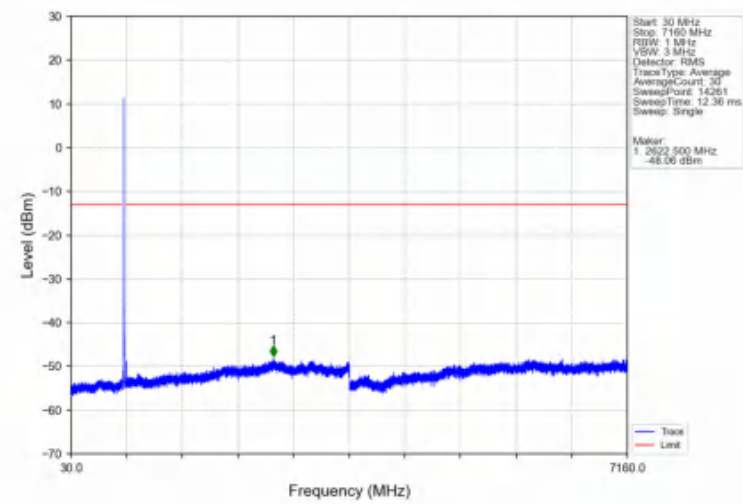
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



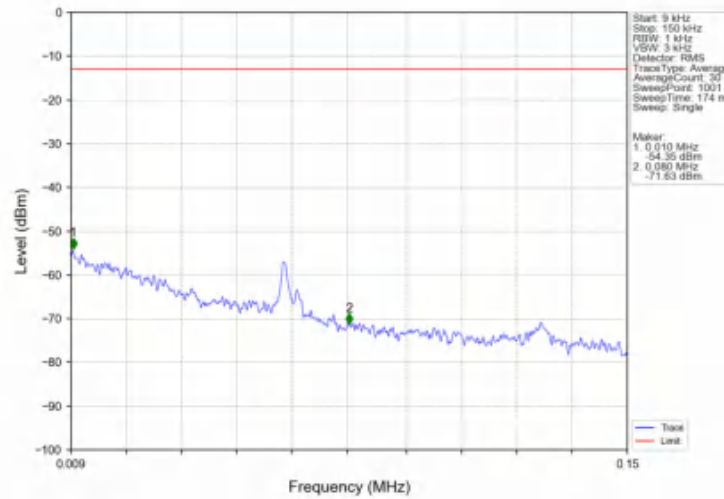
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



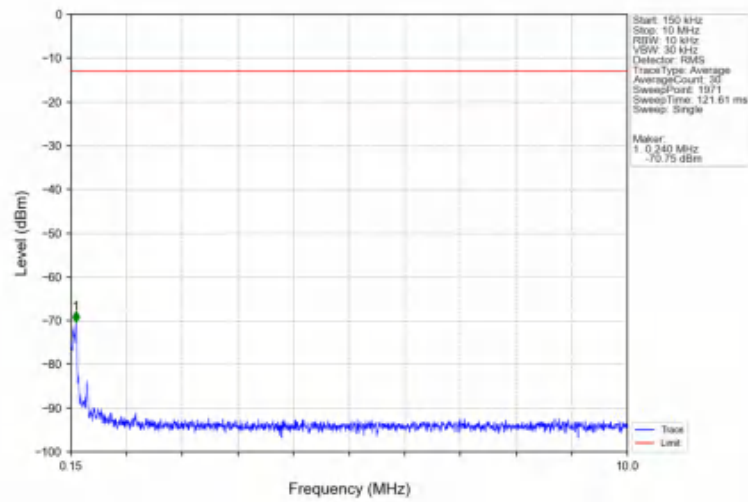
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



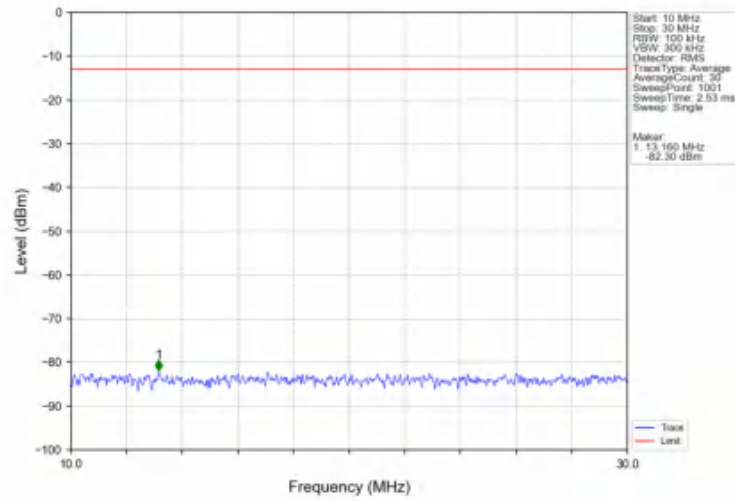
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



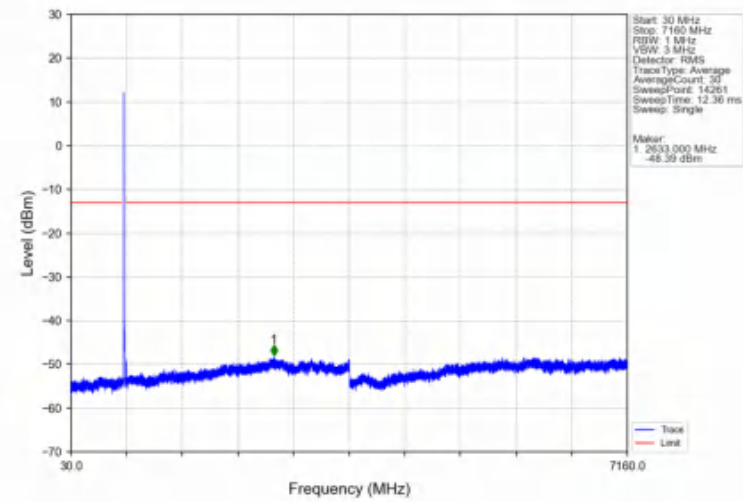
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



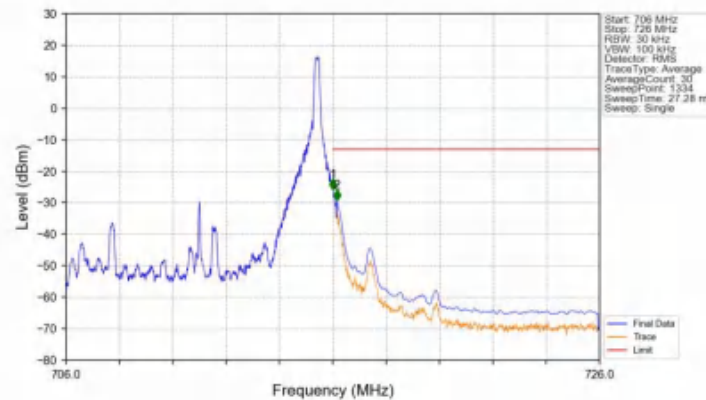
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

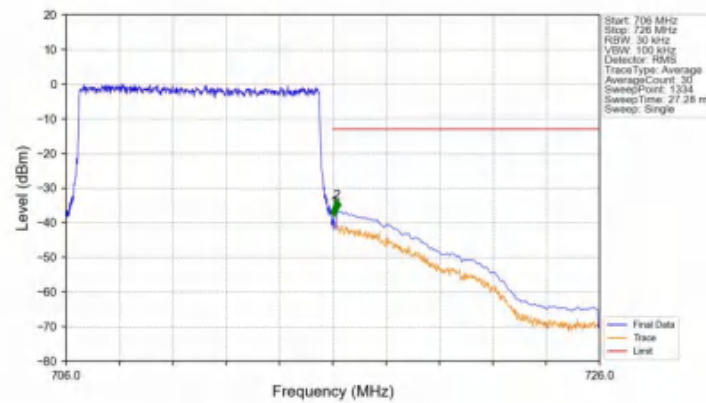


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



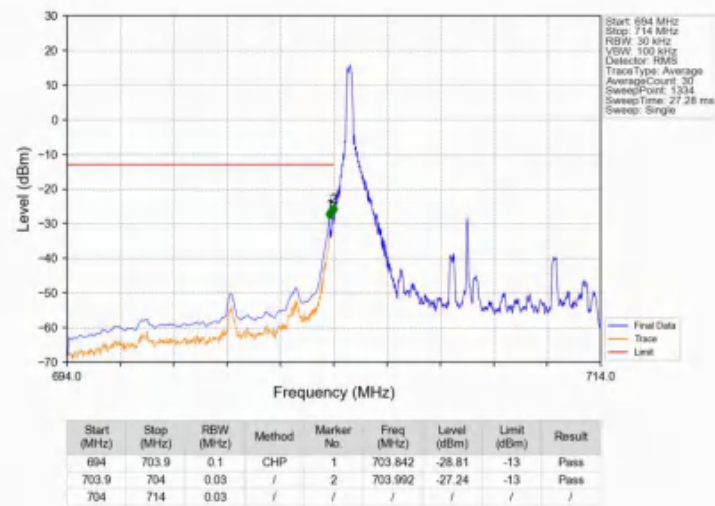
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-25.77	-13	Pass
716.1	726	0.1	CHP	2	716.158	-29.23	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

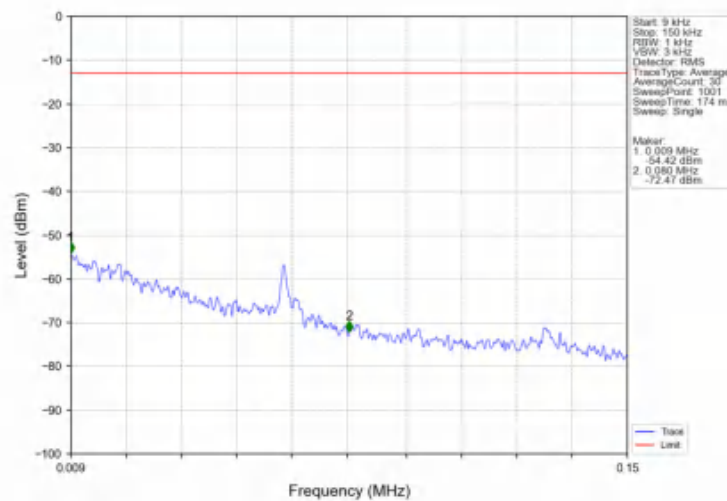


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-38.31	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.46	-13	Pass

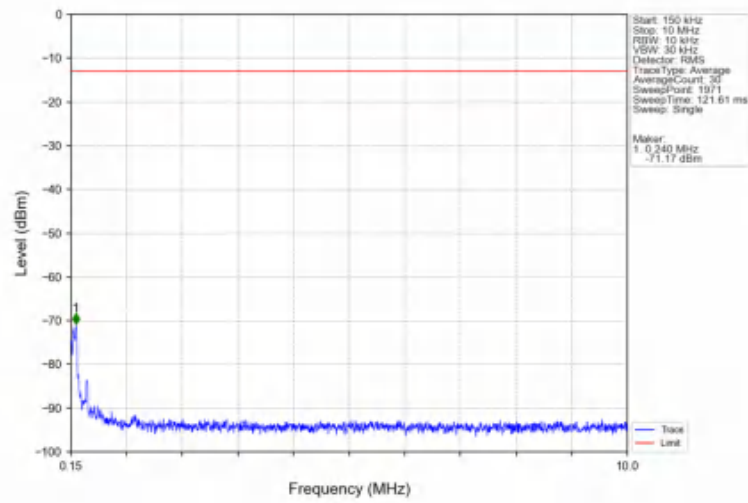
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



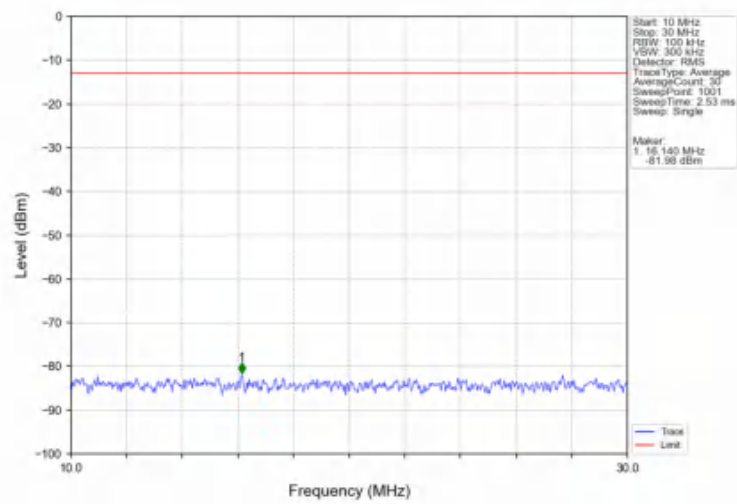
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



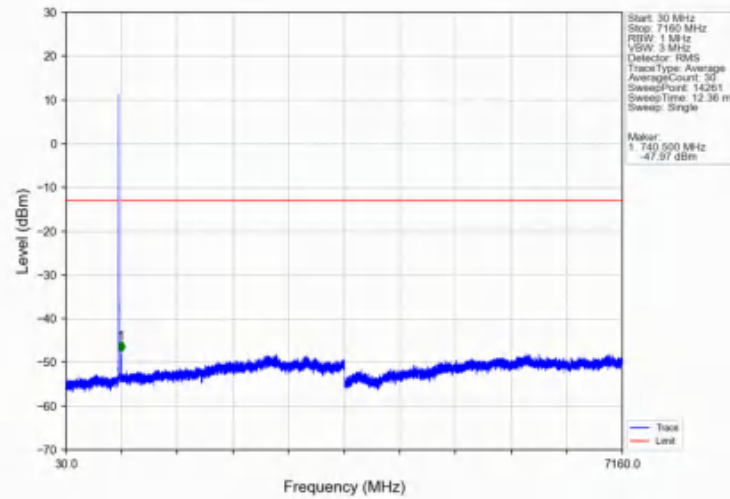
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



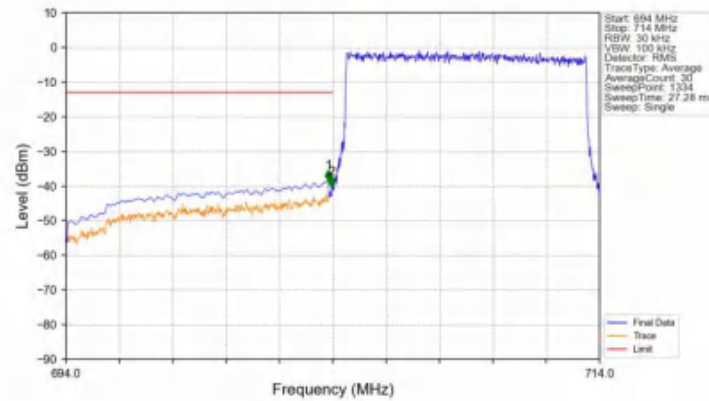
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

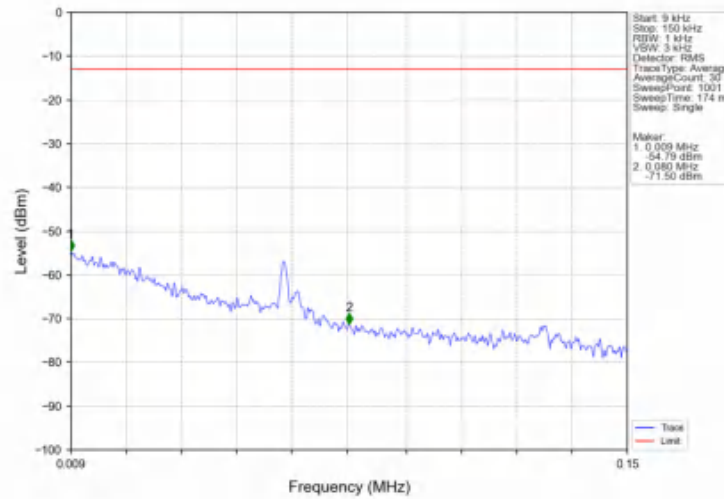


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

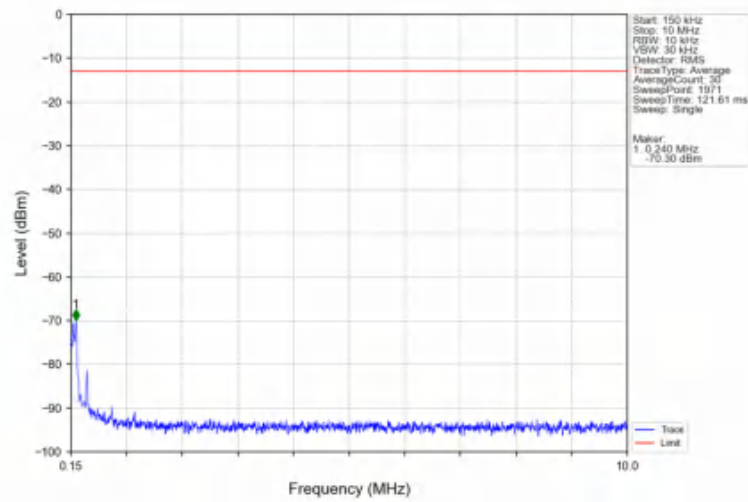


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-38.49	-13	Pass
703.9	704	0.03	/	2	703.962	-40.30	-13	Pass
704	714	0.03	/	/	/	/	/	/

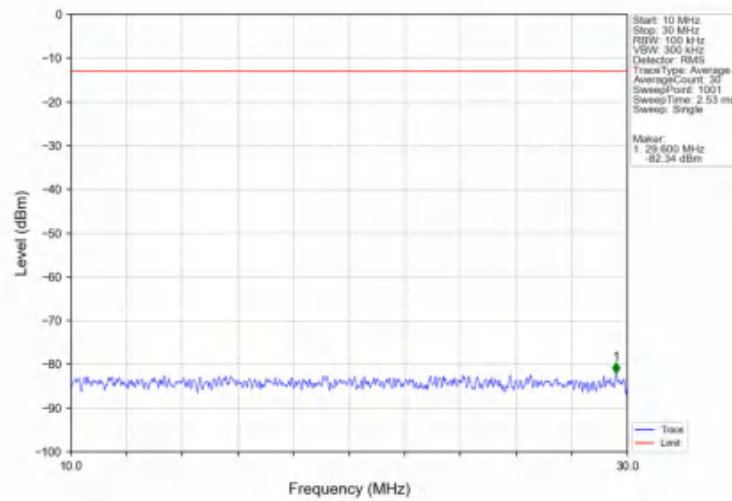
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



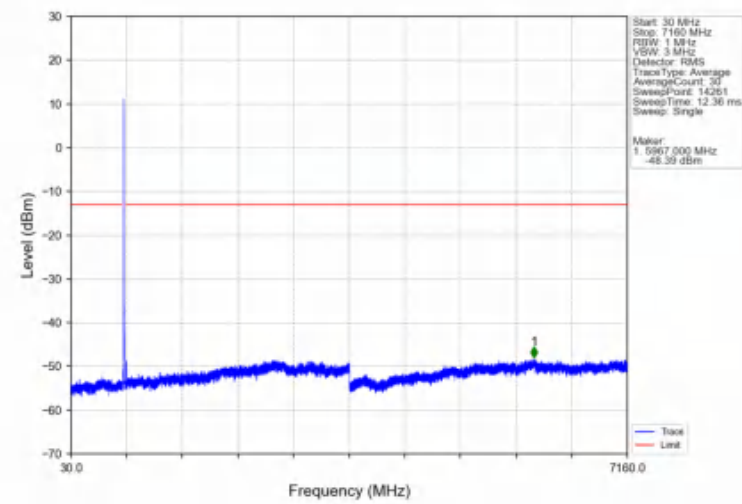
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



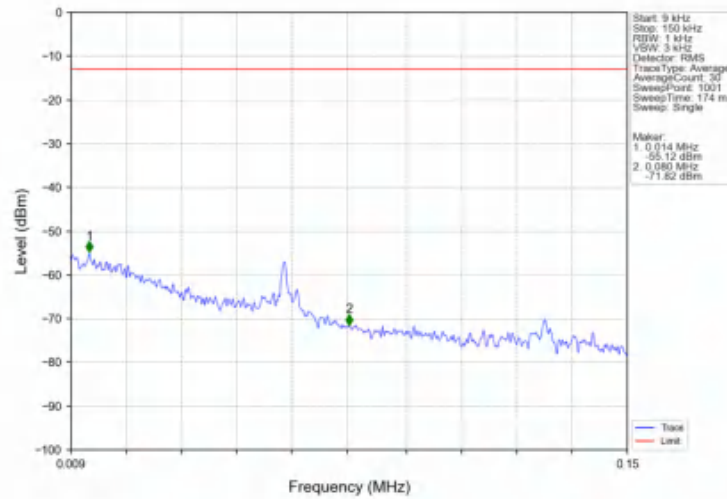
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



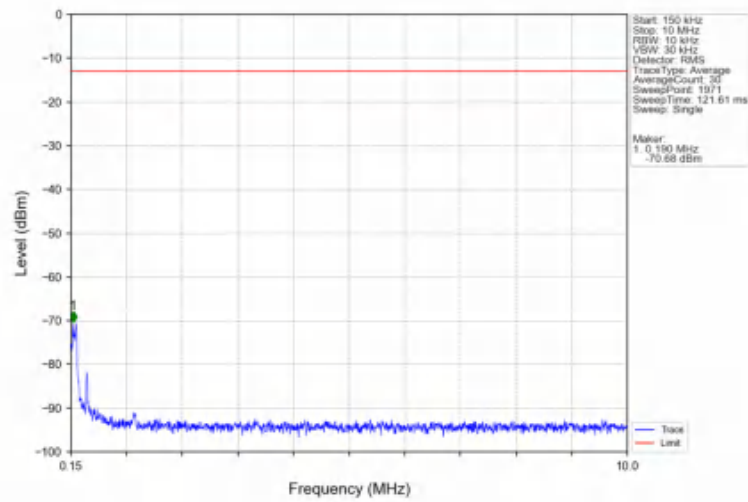
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



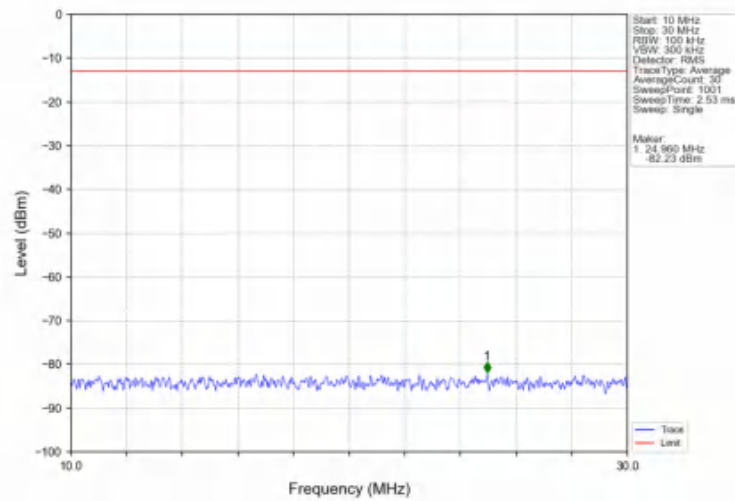
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



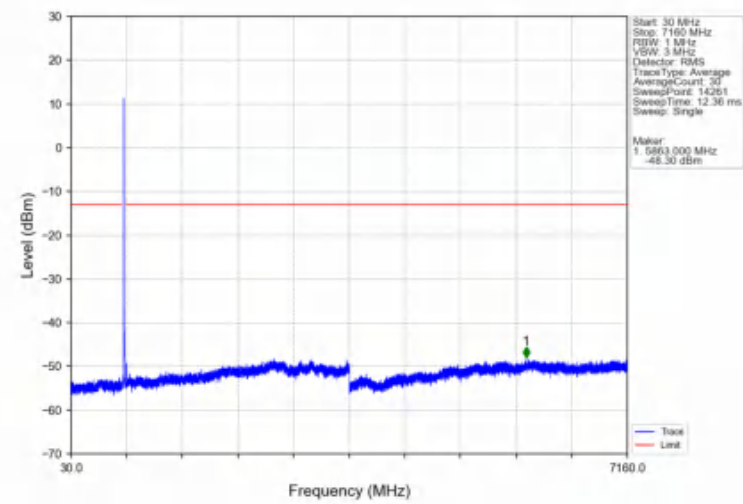
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



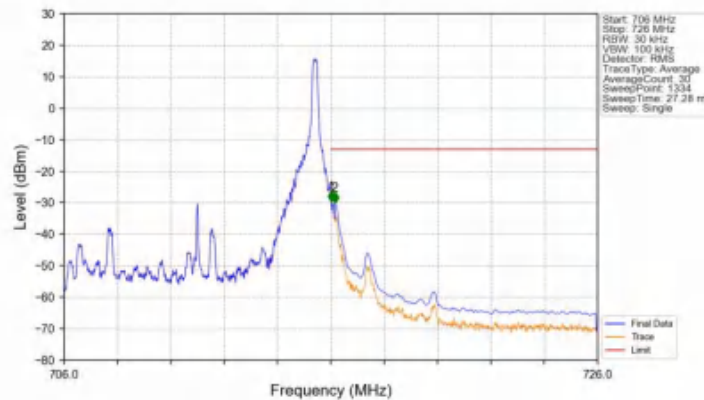
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

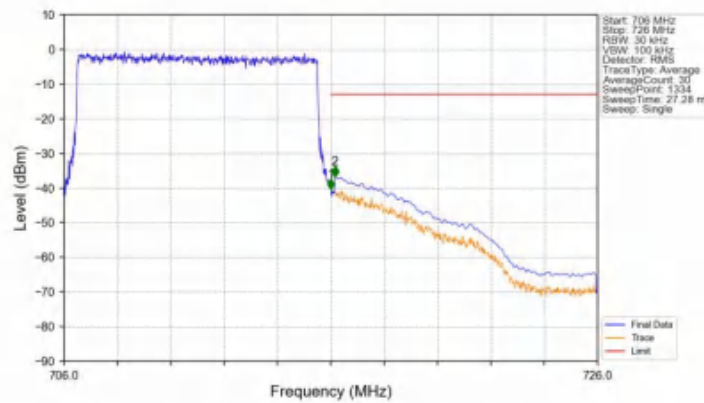


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	-29.58	-13	Pass
716.1	726	0.1	CHP	2	716.158	-29.99	-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	-40.40	-13	Pass
716.1	726	0.1	CHP	2	716.158	-36.80	-13	Pass

***** End of Report *****