

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	0.41	22.12	<=34.77	Pass
			13	23.83	0.41	22.09	<=34.77	Pass
			24	23.99	0.41	22.25	<=34.77	Pass
		12	0	22.84	0.41	21.10	<=34.77	Pass
			6	22.82	0.41	21.08	<=34.77	Pass
			13	22.86	0.41	21.12	<=34.77	Pass
		25	0	22.85	0.41	21.11	<=34.77	Pass
	710	1	0	23.46	0.41	21.72	<=34.77	Pass
			13	23.39	0.41	21.65	<=34.77	Pass
			24	23.53	0.41	21.79	<=34.77	Pass
		12	0	22.96	0.41	21.22	<=34.77	Pass
			6	22.89	0.41	21.15	<=34.77	Pass
			13	22.83	0.41	21.09	<=34.77	Pass
		25	0	22.89	0.41	21.15	<=34.77	Pass
	713.5	1	0	23.66	0.41	21.92	<=34.77	Pass
			13	23.67	0.41	21.93	<=34.77	Pass
			24	23.78	0.41	22.04	<=34.77	Pass
		12	0	22.98	0.41	21.24	<=34.77	Pass
			6	22.94	0.41	21.20	<=34.77	Pass
			13	22.96	0.41	21.22	<=34.77	Pass
		25	0	23.02	0.41	21.28	<=34.77	Pass
16QAM	706.5	1	0	22.81	0.41	21.07	<=34.77	Pass
			13	22.65	0.41	20.91	<=34.77	Pass
			24	22.82	0.41	21.08	<=34.77	Pass
		12	0	21.80	0.41	20.06	<=34.77	Pass
			6	21.81	0.41	20.07	<=34.77	Pass
			13	21.82	0.41	20.08	<=34.77	Pass
		25	0	21.85	0.41	20.11	<=34.77	Pass
	710	1	0	22.67	0.41	20.93	<=34.77	Pass
			13	22.64	0.41	20.90	<=34.77	Pass
			24	22.77	0.41	21.03	<=34.77	Pass
		12	0	21.94	0.41	20.20	<=34.77	Pass
			6	21.92	0.41	20.18	<=34.77	Pass
			13	21.85	0.41	20.11	<=34.77	Pass
		25	0	21.88	0.41	20.14	<=34.77	Pass
	713.5	1	0	22.34	0.41	20.60	<=34.77	Pass
			13	22.28	0.41	20.54	<=34.77	Pass
			24	22.43	0.41	20.69	<=34.77	Pass
		12	0	22.03	0.41	20.29	<=34.77	Pass
			6	21.98	0.41	20.24	<=34.77	Pass
			13	22.02	0.41	20.28	<=34.77	Pass
		25	0	22.05	0.41	20.31	<=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	23.30	0.41	21.56	<=34.77	Pass
			25	23.45	0.41	21.71	<=34.77	Pass
			49	23.50	0.41	21.76	<=34.77	Pass
		25	0	22.89	0.41	21.15	<=34.77	Pass
			13	22.91	0.41	21.17	<=34.77	Pass
			25	22.84	0.41	21.10	<=34.77	Pass
		50	0	22.87	0.41	21.13	<=34.77	Pass
	710	1	0	23.31	0.41	21.57	<=34.77	Pass
			25	23.44	0.41	21.70	<=34.77	Pass
			49	23.47	0.41	21.73	<=34.77	Pass
		25	0	22.94	0.41	21.20	<=34.77	Pass
			13	22.91	0.41	21.17	<=34.77	Pass
			25	22.88	0.41	21.14	<=34.77	Pass
		50	0	22.95	0.41	21.21	<=34.77	Pass
	711	1	0	23.43	0.41	21.69	<=34.77	Pass
			25	23.46	0.41	21.72	<=34.77	Pass
			49	23.62	0.41	21.88	<=34.77	Pass
		25	0	23.00	0.41	21.26	<=34.77	Pass
			13	22.95	0.41	21.21	<=34.77	Pass
			25	23.02	0.41	21.28	<=34.77	Pass
		50	0	23.02	0.41	21.28	<=34.77	Pass
16QAM	709	1	0	22.31	0.41	20.57	<=34.77	Pass
			25	22.46	0.41	20.72	<=34.77	Pass
			49	22.59	0.41	20.85	<=34.77	Pass
		25	0	21.99	0.41	20.25	<=34.77	Pass
			13	22.00	0.41	20.26	<=34.77	Pass
			25	21.95	0.41	20.21	<=34.77	Pass
		50	0	21.87	0.41	20.13	<=34.77	Pass
	710	1	0	22.55	0.41	20.81	<=34.77	Pass
			25	22.65	0.41	20.91	<=34.77	Pass
			49	22.72	0.41	20.98	<=34.77	Pass
		25	0	21.96	0.41	20.22	<=34.77	Pass
			13	21.94	0.41	20.20	<=34.77	Pass
			25	21.91	0.41	20.17	<=34.77	Pass
		50	0	21.92	0.41	20.18	<=34.77	Pass
	711	1	0	22.92	0.41	21.18	<=34.77	Pass
			25	22.96	0.41	21.22	<=34.77	Pass
			49	23.03	0.41	21.29	<=34.77	Pass
		25	0	22.06	0.41	20.32	<=34.77	Pass
			13	21.99	0.41	20.25	<=34.77	Pass
			25	22.07	0.41	20.33	<=34.77	Pass
		50	0	22.00	0.41	20.26	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-0.901	-0.0013	-2.5 to 2.5	Pass
					3.85	1.402	0.0020	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0014	-2.5 to 2.5	Pass

				-30	3.85	-2.303	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.658	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				30	3.85	1.101	0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-1.488	-0.0021	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-3.533	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.089	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-3.762	-0.0053	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
					4.43	0.701	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.159	0.0016	-2.5 to 2.5	Pass
				-20	3.85	2.003	0.0028	-2.5 to 2.5	Pass
				-10	3.85	2.103	0.0029	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0018	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0003	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-0.901	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.290	-0.0047	-2.5 to 2.5	Pass
					4.43	1.202	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.531	0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.817	-0.0026	-2.5 to 2.5	Pass
				10	3.85	0.601	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-3.948	-0.0056	-2.5 to 2.5	Pass
					3.85	-3.390	-0.0048	-2.5 to 2.5	Pass
					4.43	-3.176	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-1.874	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.748	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.774	0.0025	-2.5 to 2.5	Pass
					3.85	0.529	0.0007	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-3.777	-0.0053	-2.5 to 2.5	Pass

				10	3.85	-3.347	-0.0047	-2.5 to 2.5	Pass
				30	3.85	1.516	0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.691	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-1.845	-0.0026	-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	-2.131	-0.0030	-2.5 to 2.5	Pass
					3.85	-2.375	-0.0033	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-1.831	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
	710	50	0	20	3.27	0.372	0.0005	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.574	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
				30	3.85	1.159	0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				50	3.85	1.230	0.0017	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-0.243	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.43	-3.362	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-2.160	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
	710	50	0	20	3.27	0.958	0.0013	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	0.501	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0001	-2.5 to 2.5	Pass

				-20	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.402	0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0009	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.086	0.0001	-2.5 to 2.5	Pass
					3.85	-2.589	-0.0036	-2.5 to 2.5	Pass
					4.43	-1.602	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.187	0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-3.347	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-3.347	-0.0047	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

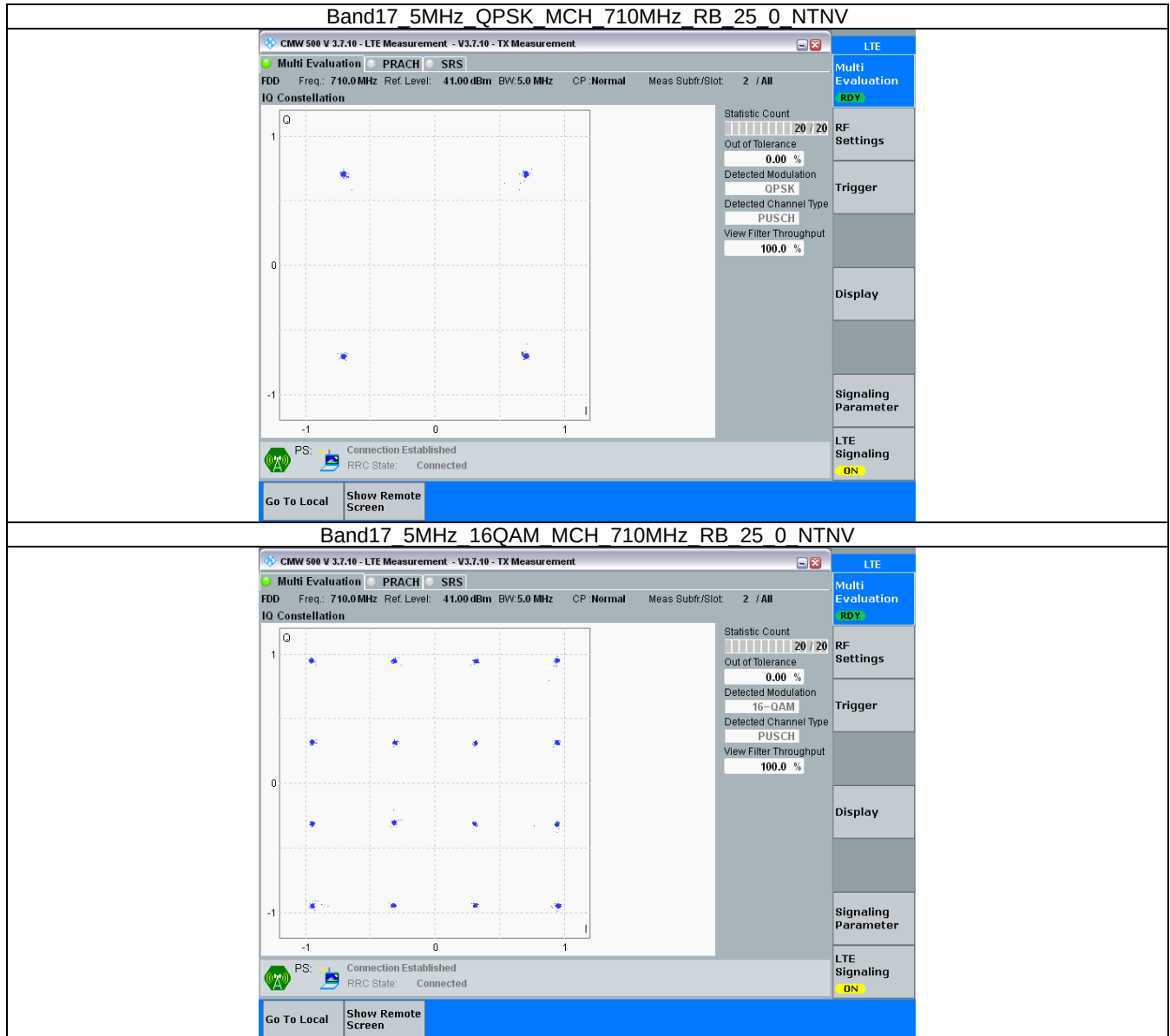
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

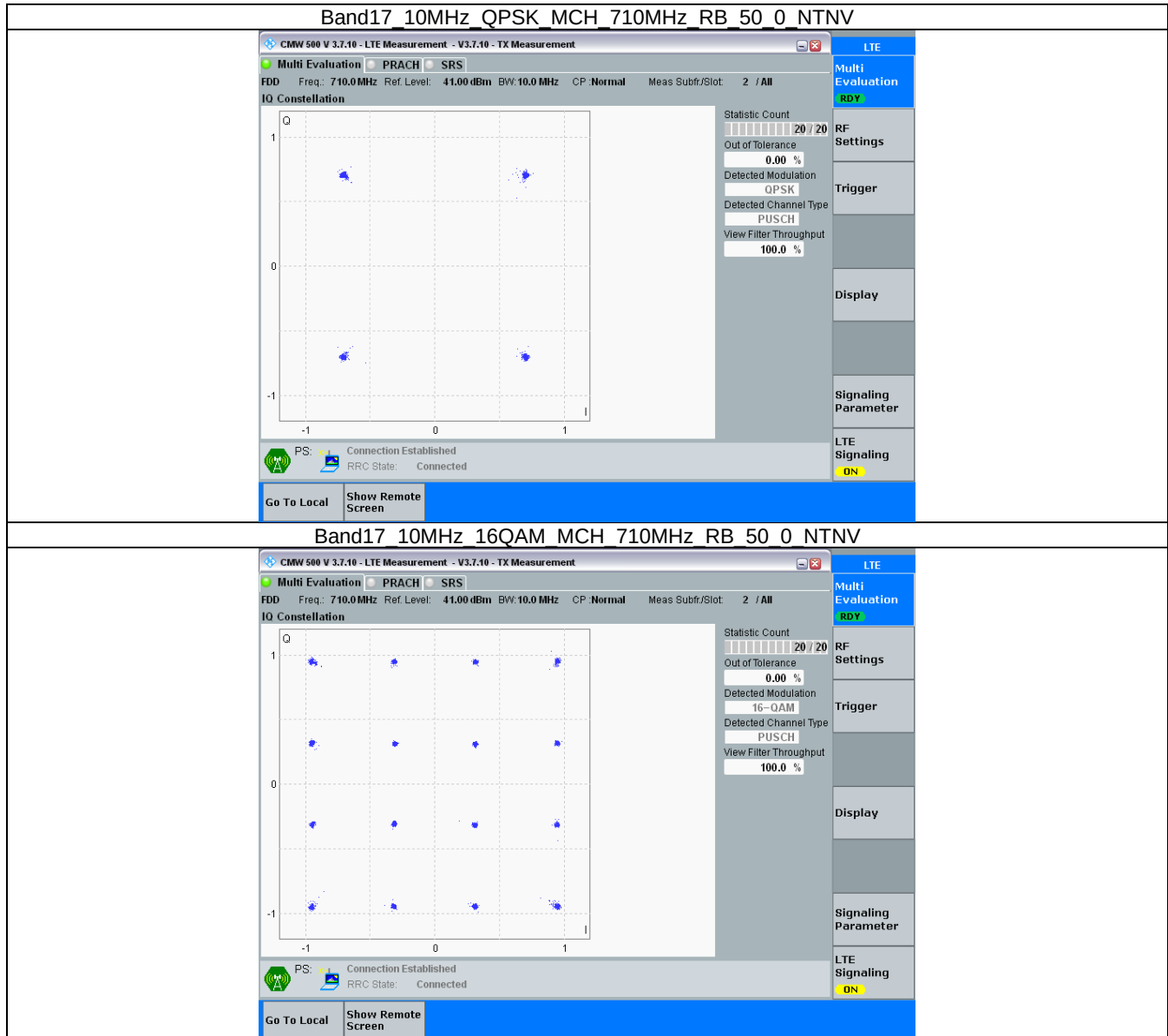
Band: 17 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

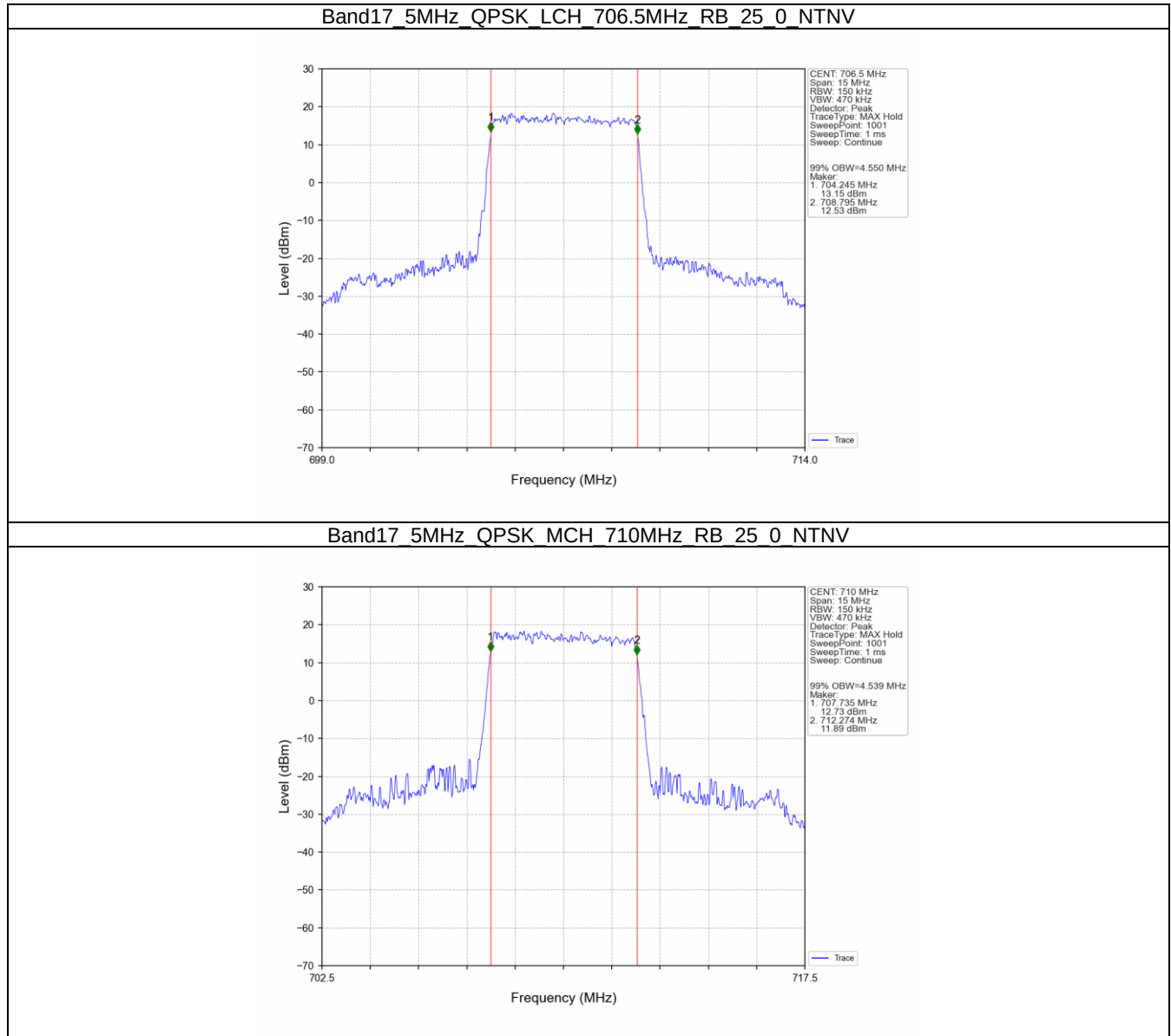
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.550	/	Pass
		710	25	0	4.539	/	Pass
		713.5	25	0	4.555	/	Pass
	16QAM	706.5	25	0	4.559	/	Pass
		710	25	0	4.556	/	Pass
		713.5	25	0	4.553	/	Pass
10	QPSK	709	50	0	9.051	/	Pass
		710	50	0	9.043	/	Pass
		711	50	0	9.051	/	Pass
	16QAM	709	50	0	9.049	/	Pass
		710	50	0	9.037	/	Pass
		711	50	0	9.058	/	Pass

4.1.2 Band17_XDB

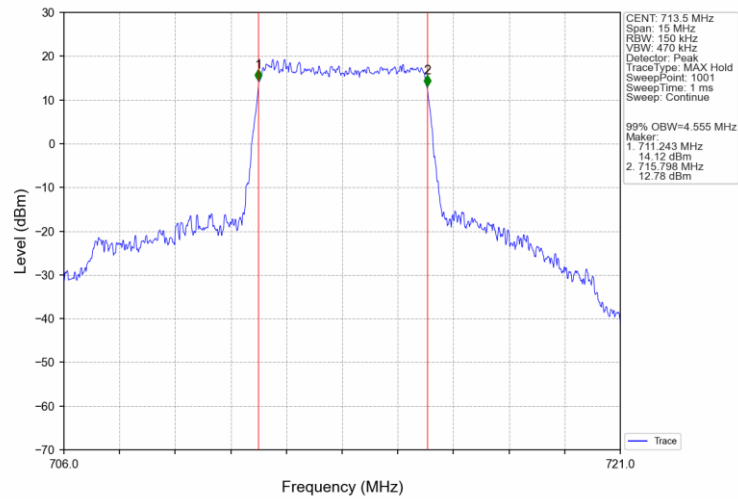
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.074	/	Pass
		710	25	0	5.037	/	Pass
		713.5	25	0	5.045	/	Pass
	16QAM	706.5	25	0	5.070	/	Pass
		710	25	0	5.063	/	Pass
		713.5	25	0	5.040	/	Pass
10	QPSK	709	50	0	9.936	/	Pass
		710	50	0	9.976	/	Pass
		711	50	0	10.017	/	Pass
	16QAM	709	50	0	9.961	/	Pass
		710	50	0	9.965	/	Pass
		711	50	0	9.930	/	Pass

4.2 Test Graph

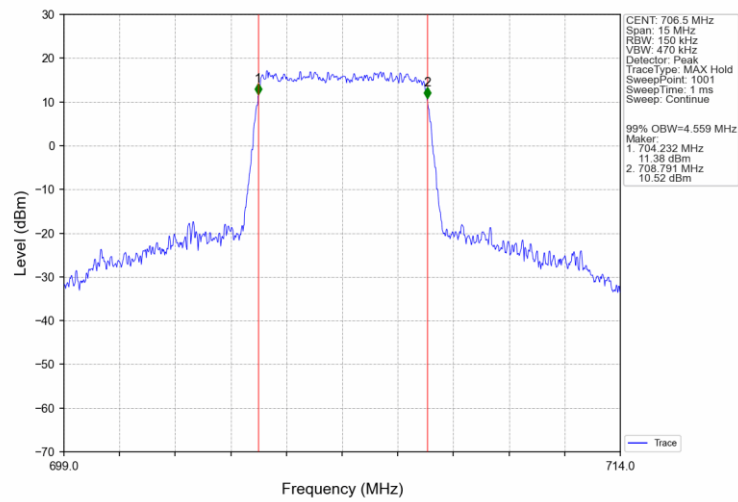
4.2.1 Band17_OBW



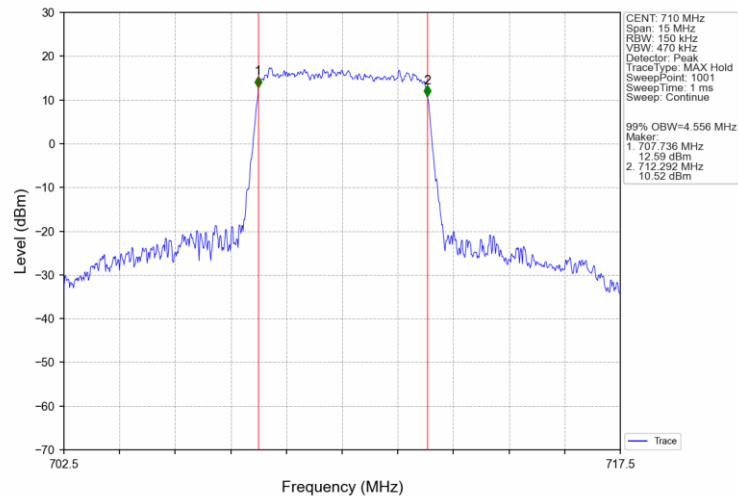
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



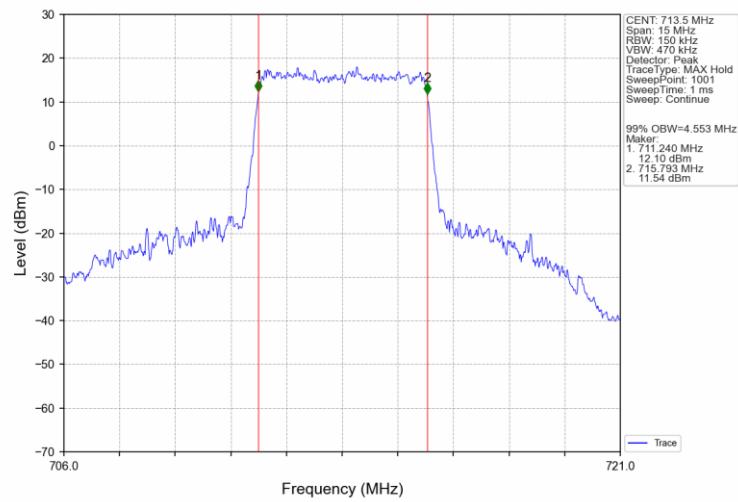
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



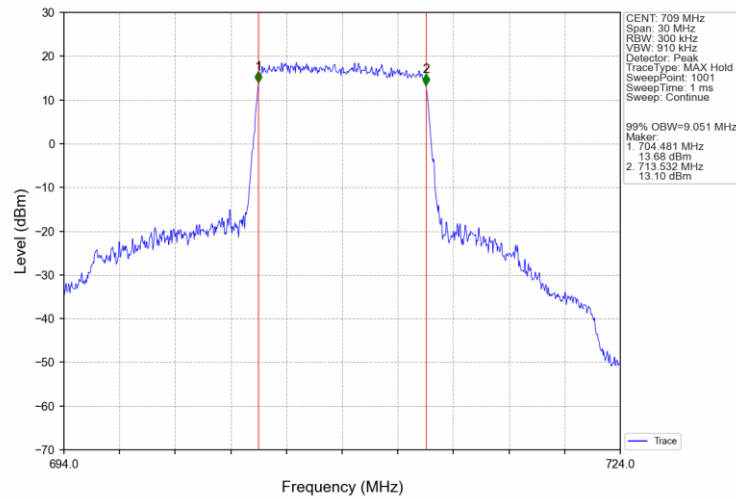
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



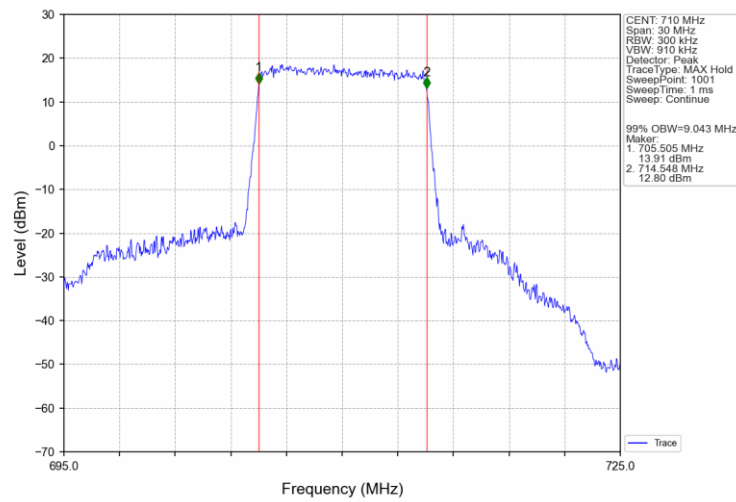
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



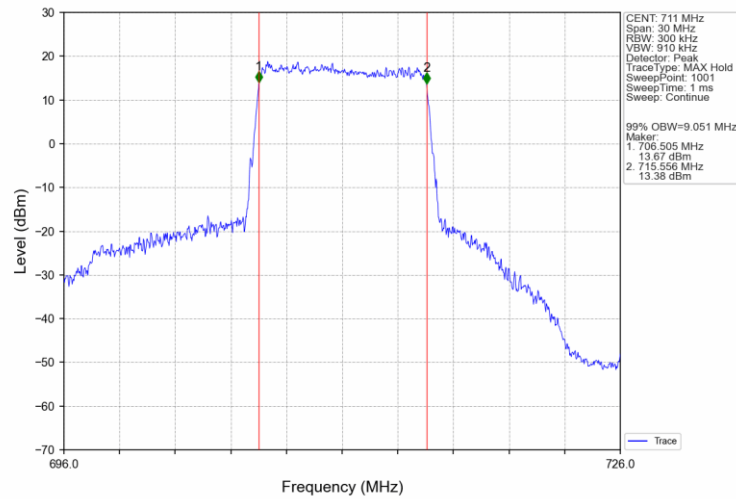
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



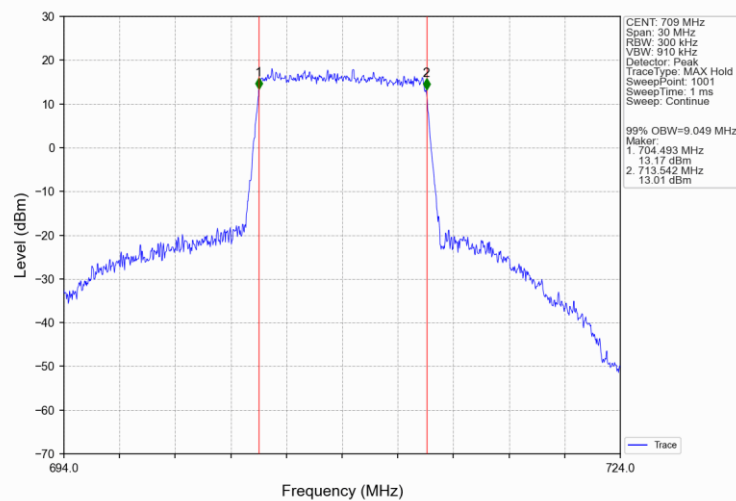
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



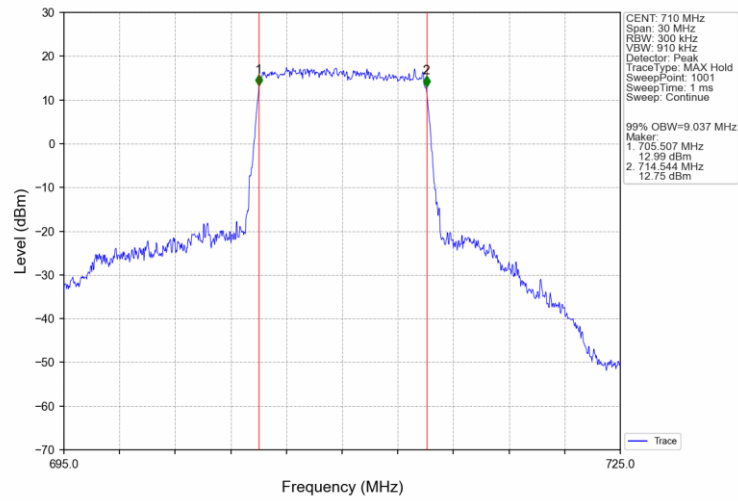
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



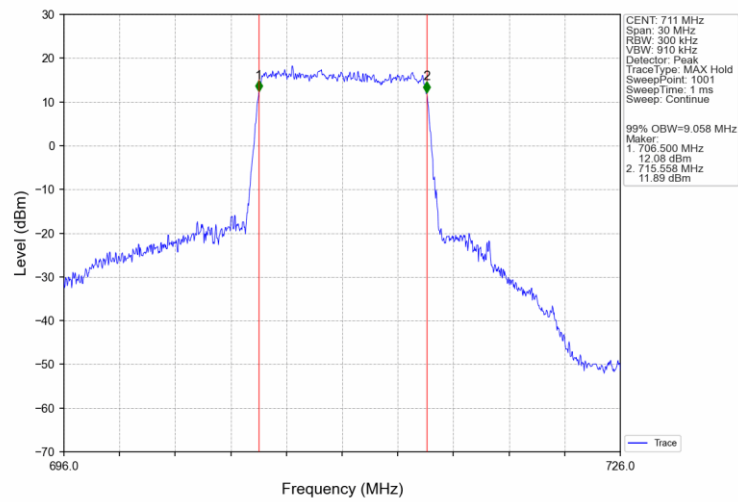
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

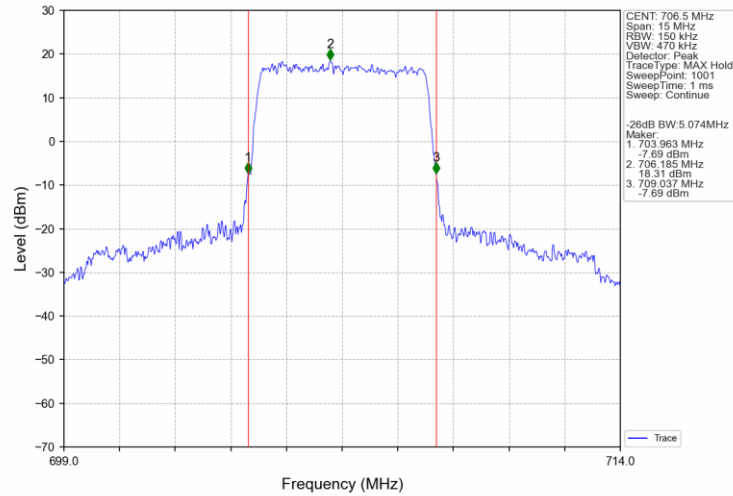


Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

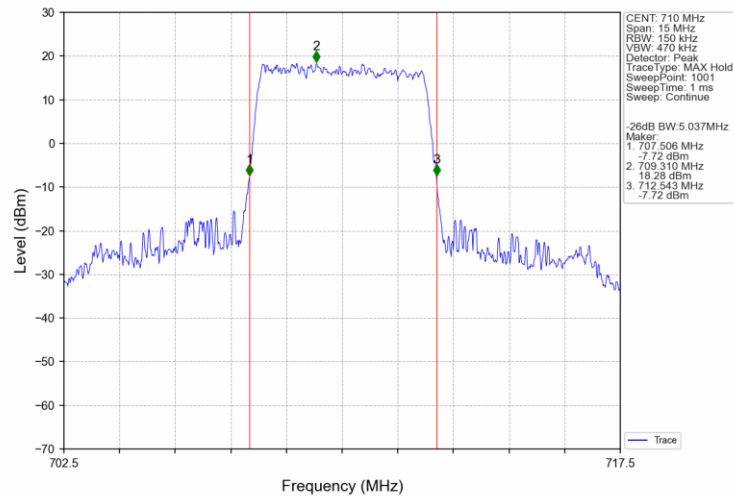


4.2.2 Band17_XDB

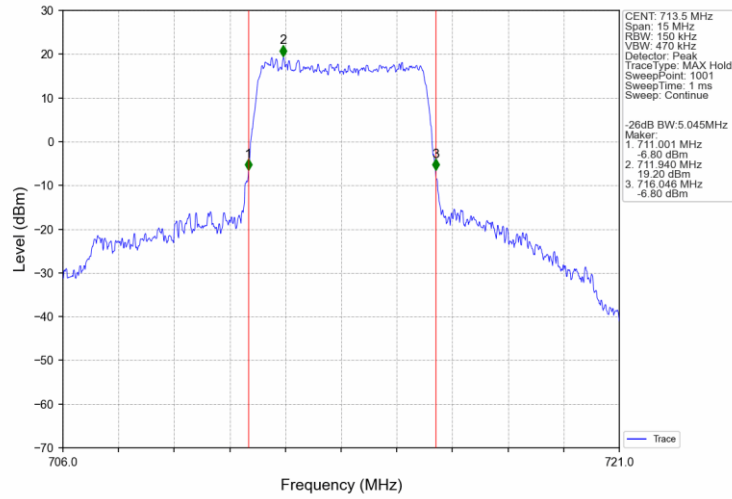
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



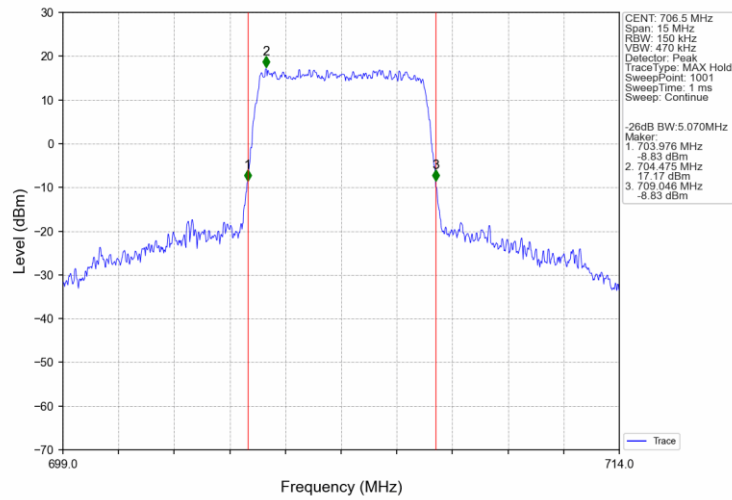
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



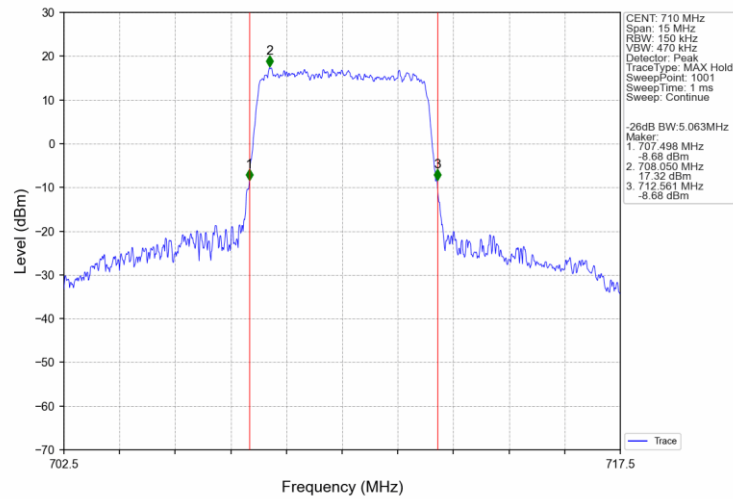
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



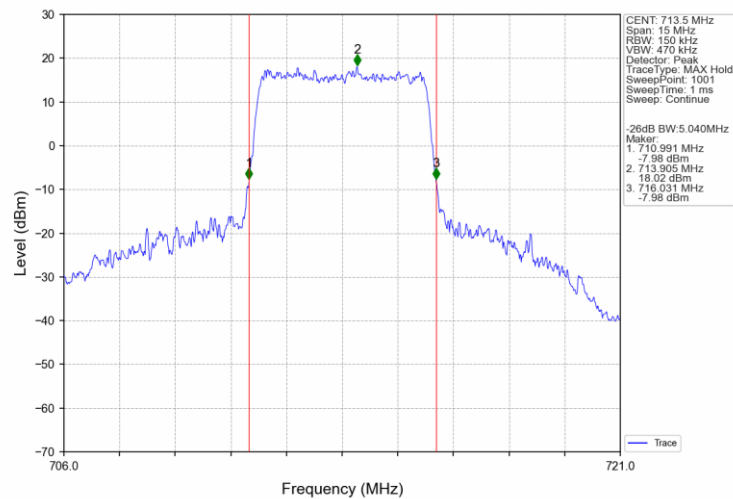
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



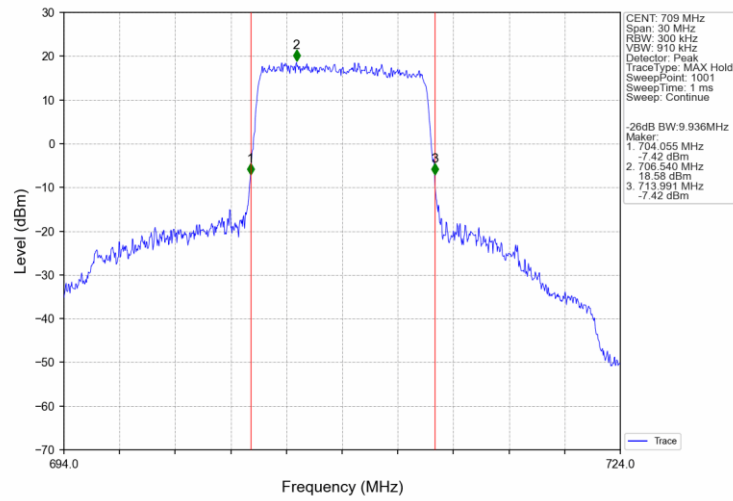
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



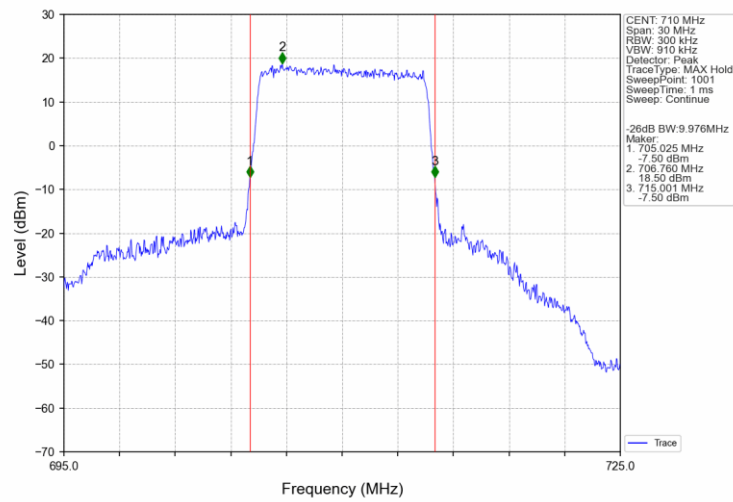
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



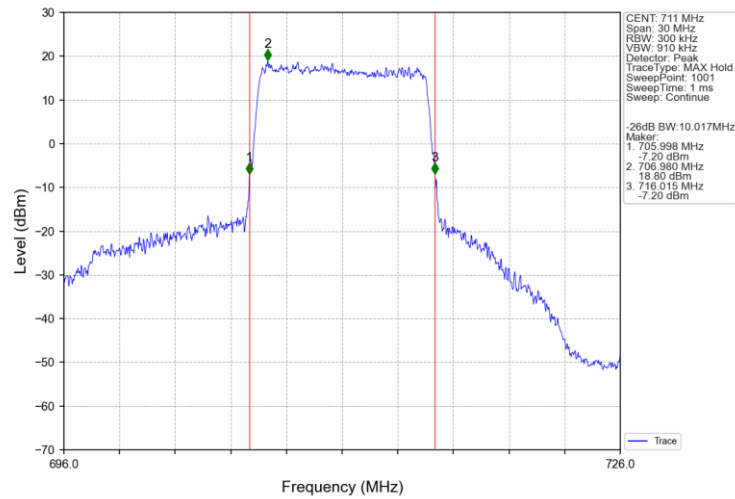
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



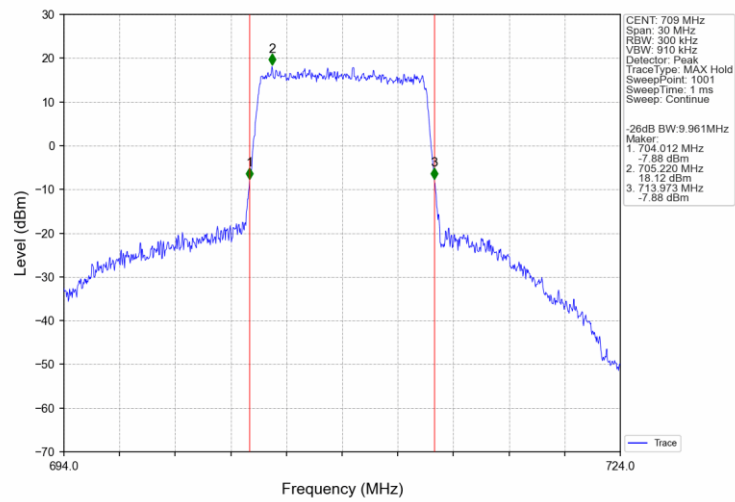
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



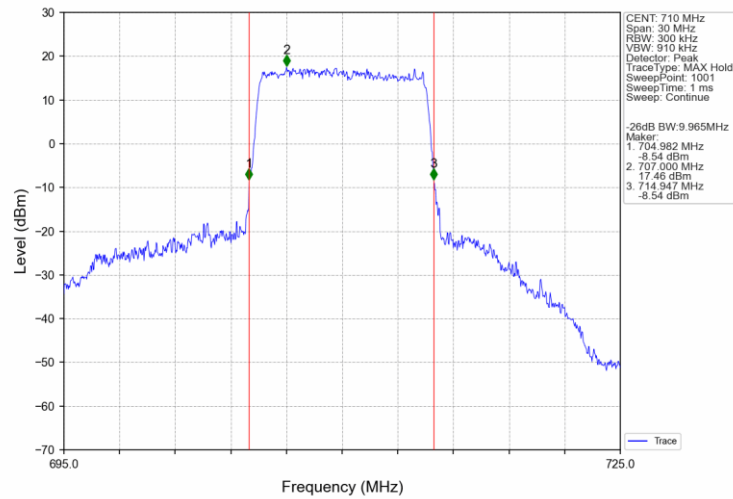
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



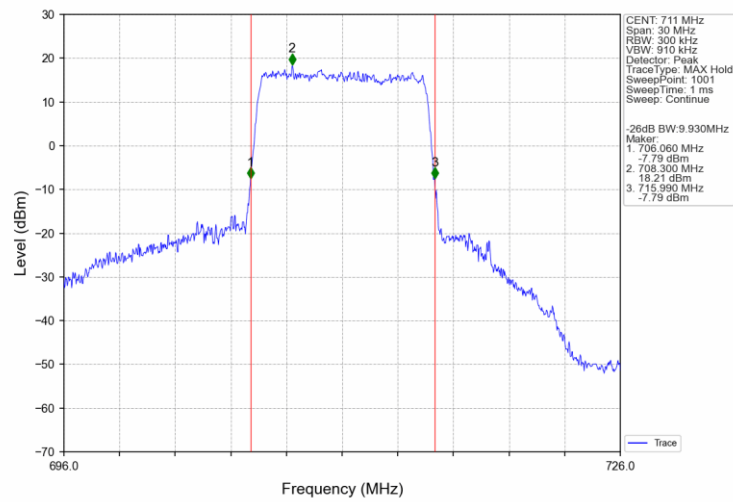
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

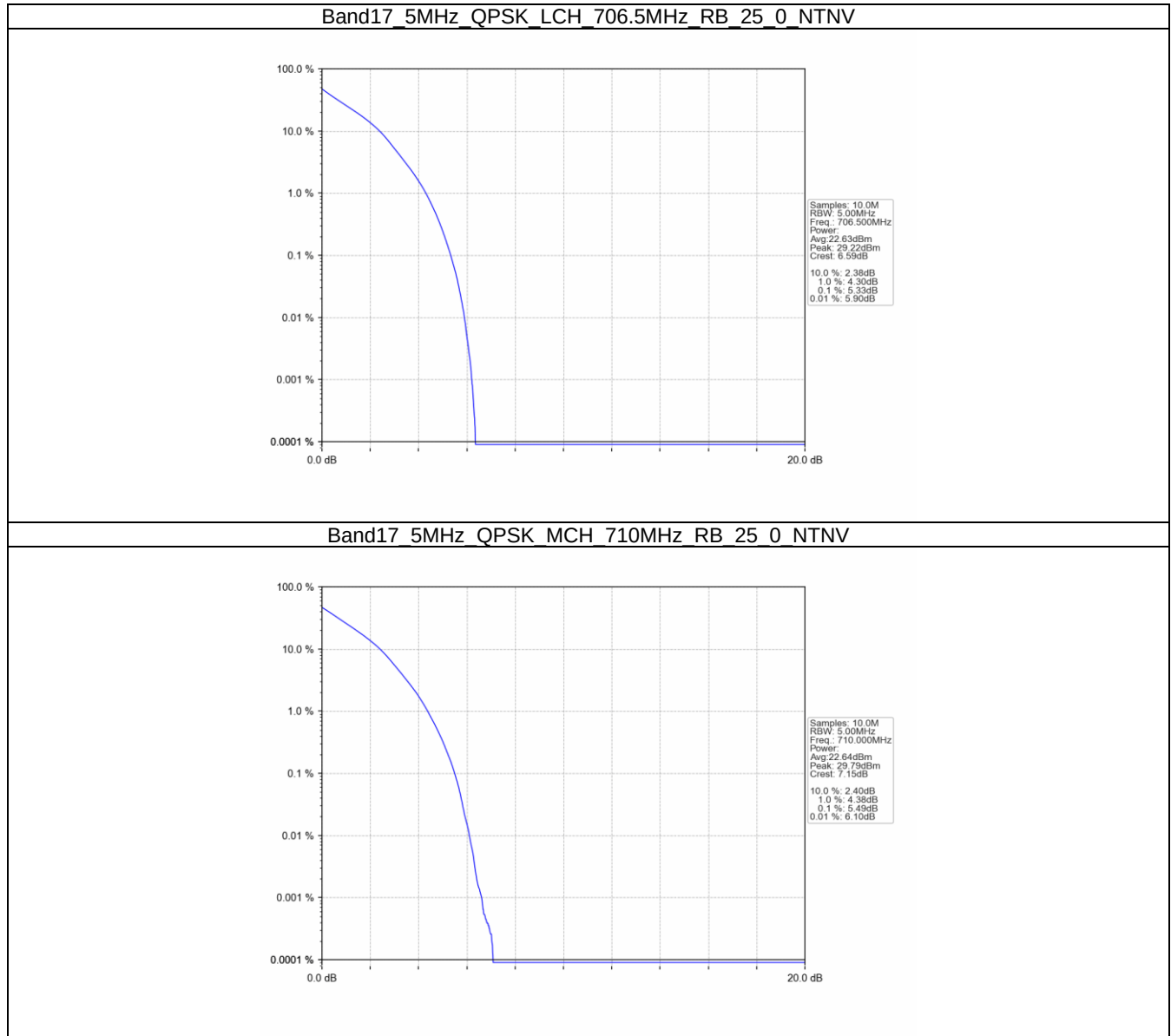
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.33	<=13	Pass
	710	25	0	5.49	<=13	Pass
	713.5	25	0	5.22	<=13	Pass
16QAM	706.5	25	0	6.12	<=13	Pass
	710	25	0	6.24	<=13	Pass
	713.5	25	0	5.89	<=13	Pass

5.1.2 B17_10MHz

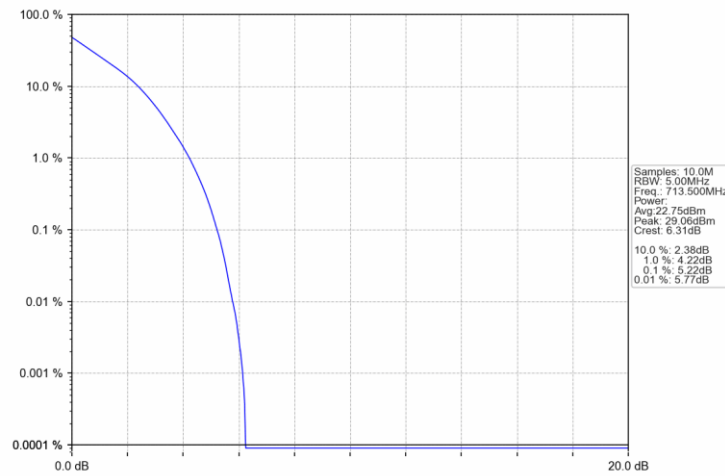
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.35	<=13	Pass
	710	50	0	5.31	<=13	Pass
	711	50	0	5.31	<=13	Pass
16QAM	709	50	0	6.17	<=13	Pass
	710	50	0	6.14	<=13	Pass
	711	50	0	6.07	<=13	Pass

5.2 Test Graph

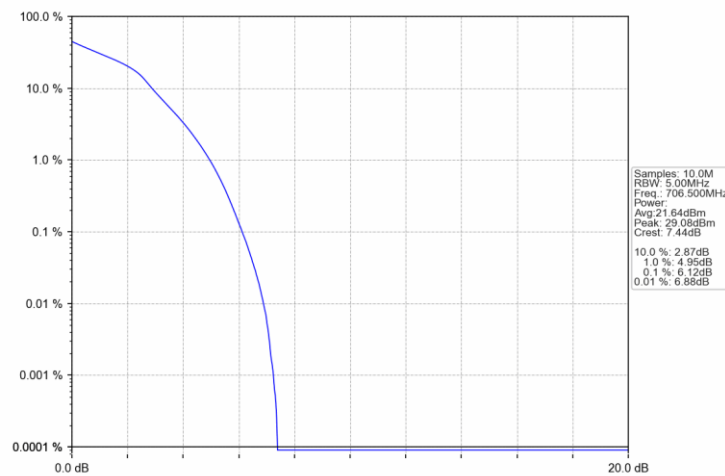
5.2.1 B17_5MHz



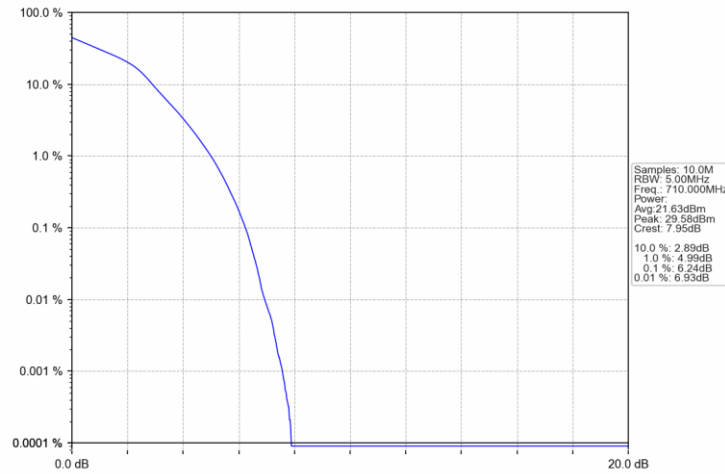
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



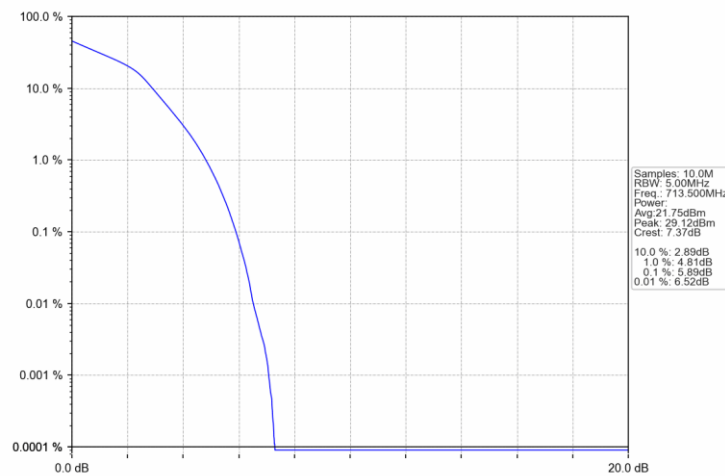
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

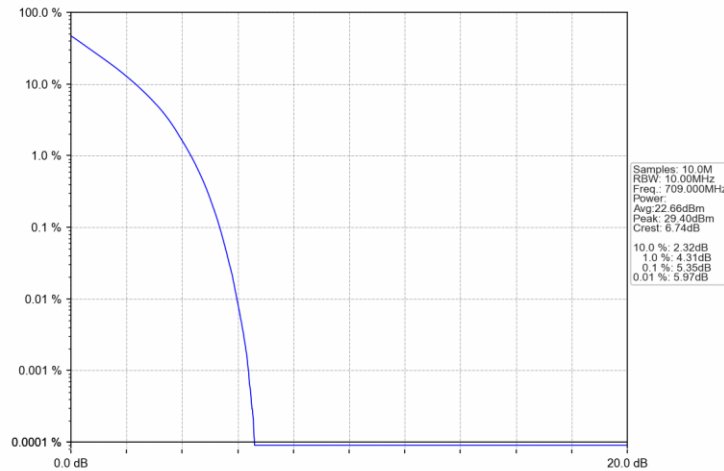


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

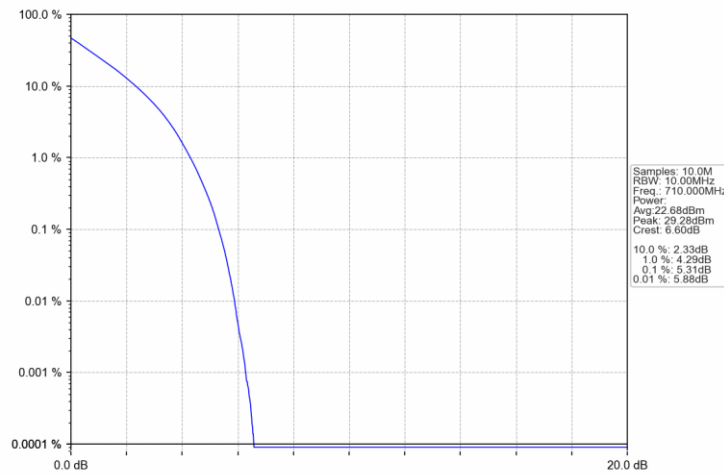


5.2.2 B17_10MHz

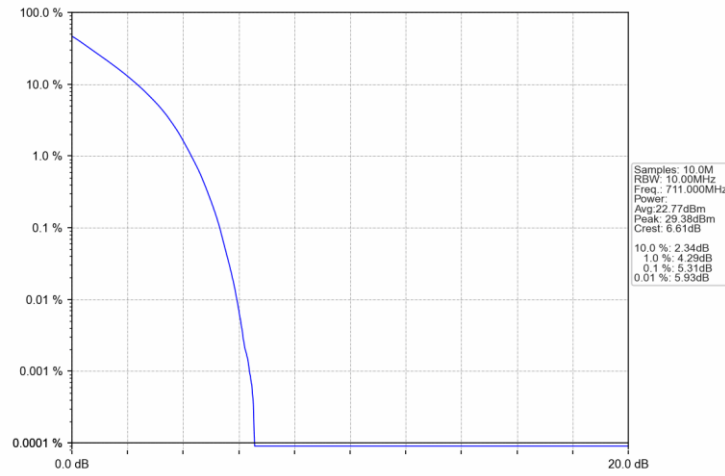
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



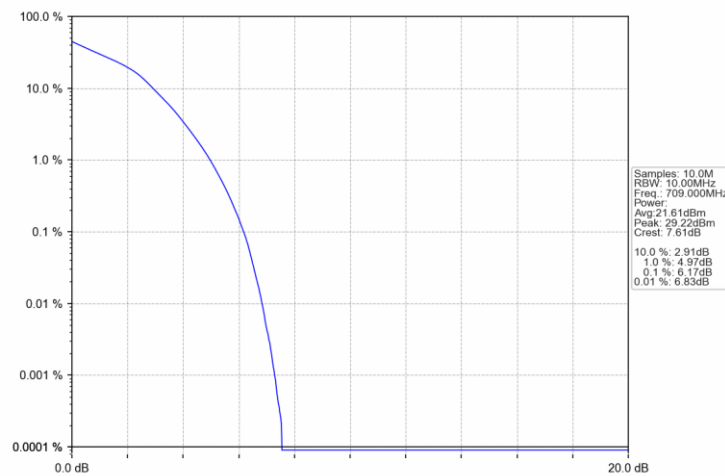
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



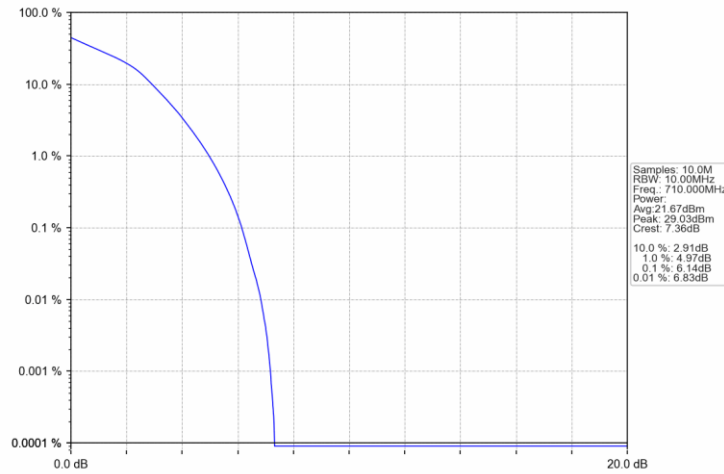
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



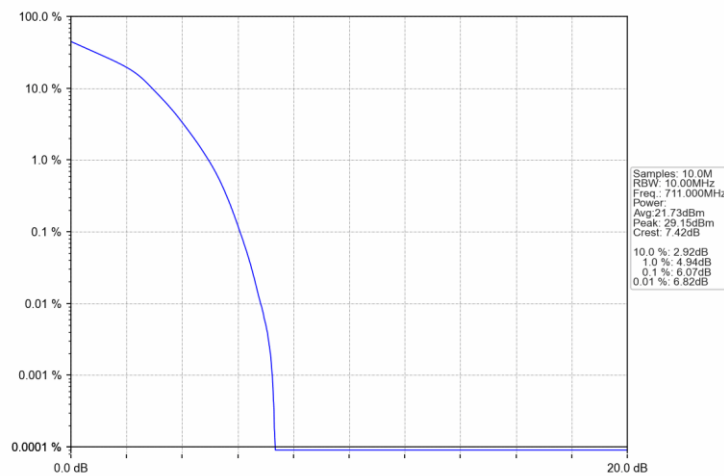
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

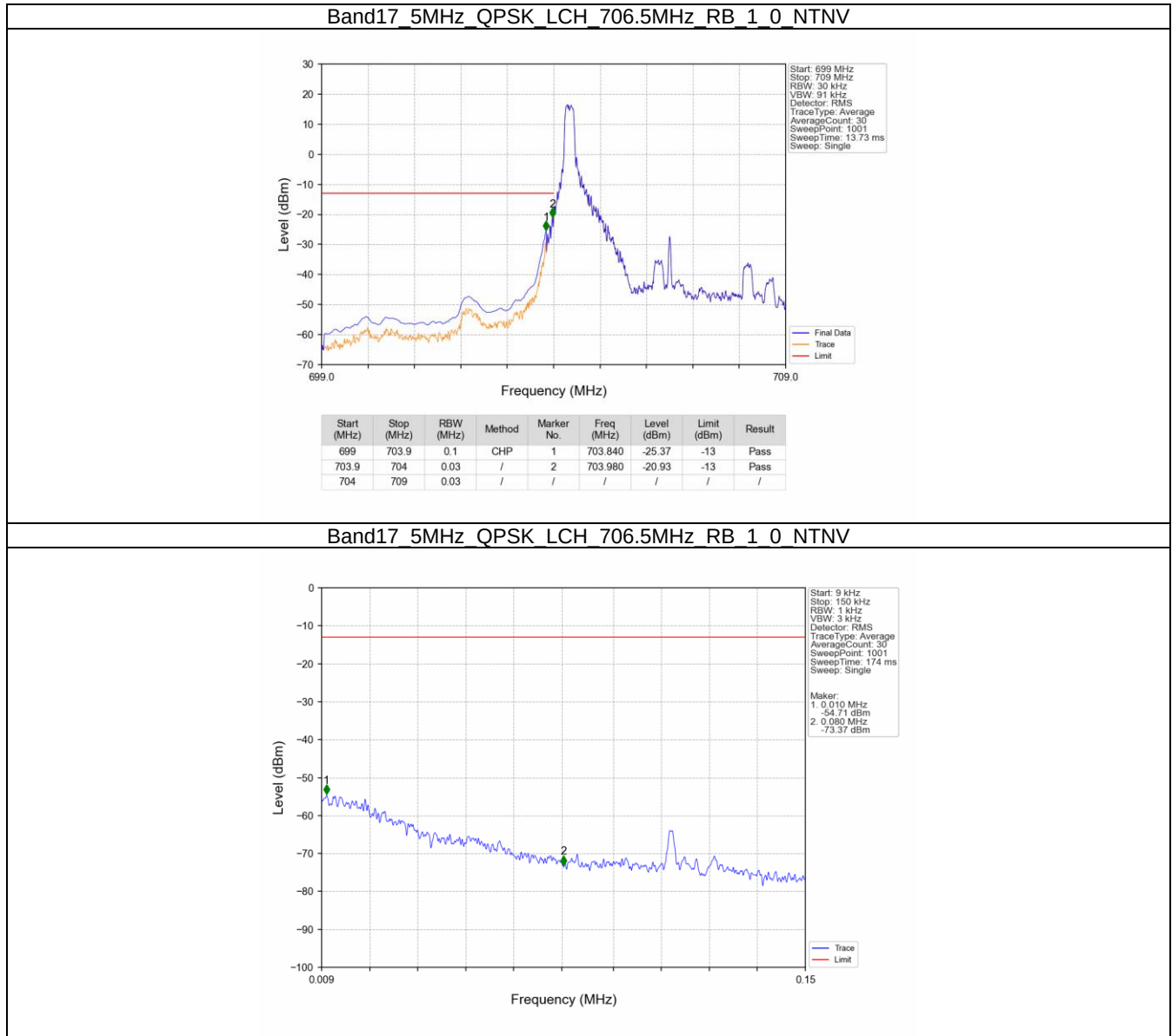
Band: 17 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

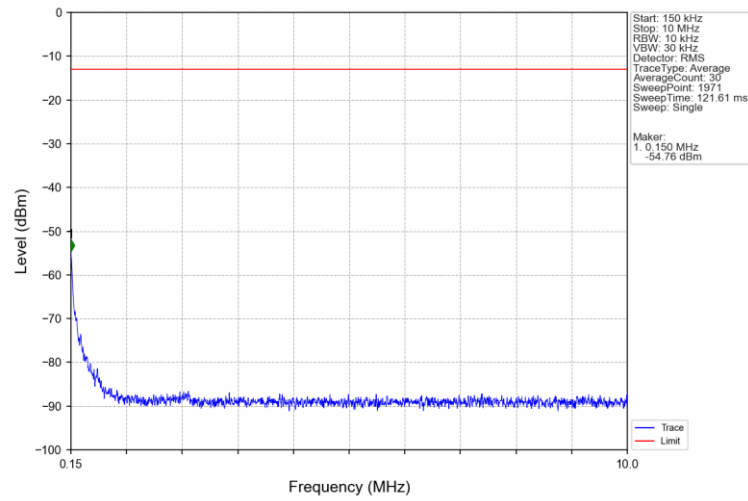
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

6.2 Test Graph

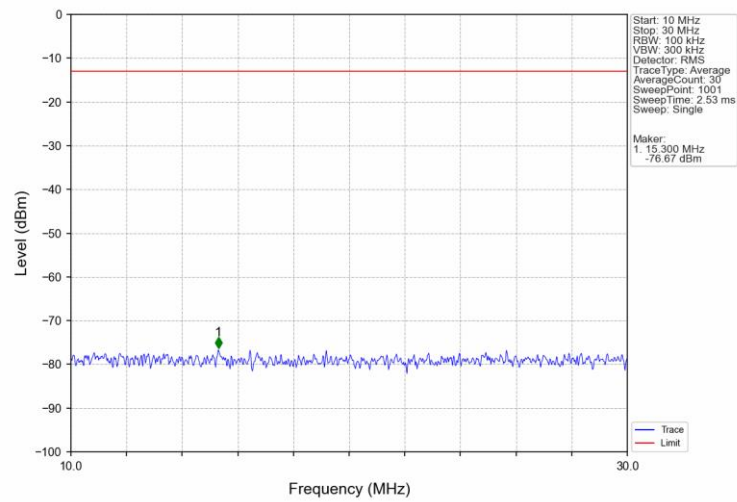
6.2.1 B17_5MHz



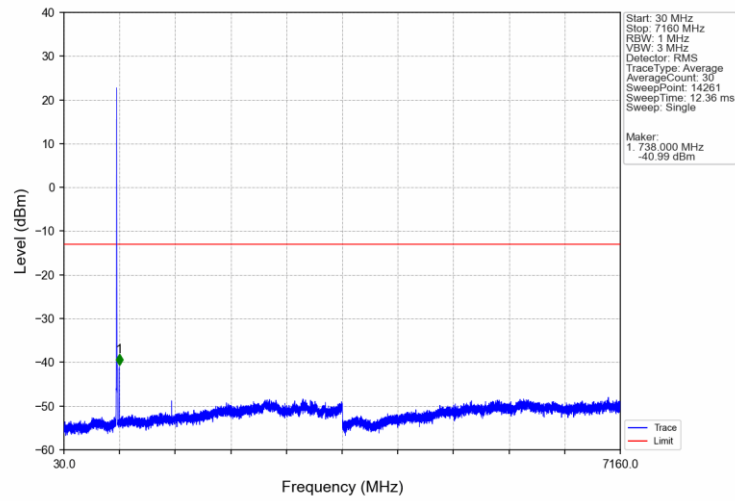
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



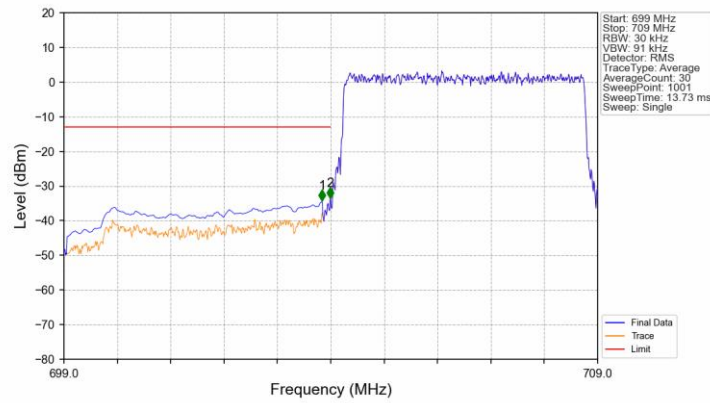
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

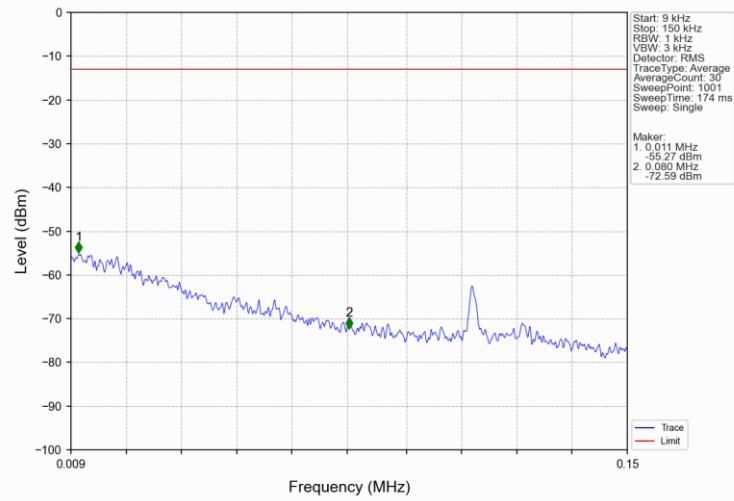


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

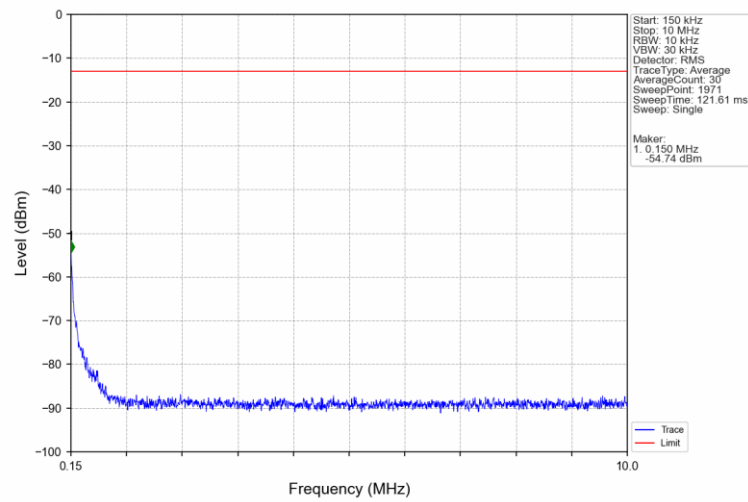


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-34.24	-13	Pass
703.9	704	0.03	/	2	703.990	-33.55	-13	Pass
704	709	0.03	/	/	/	/	/	/

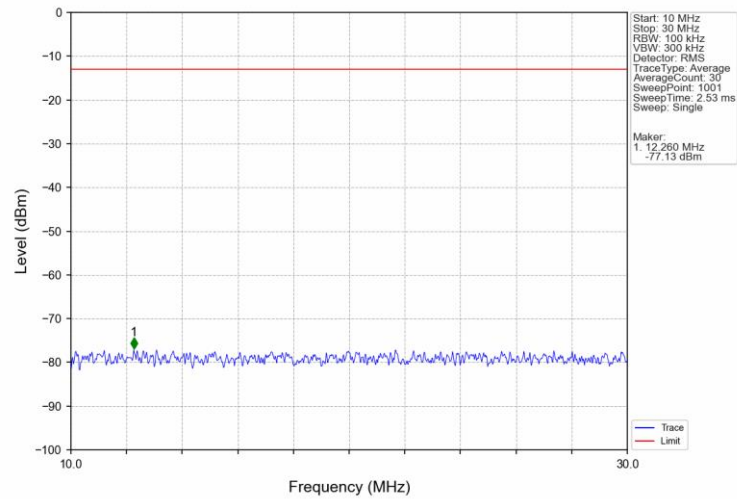
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



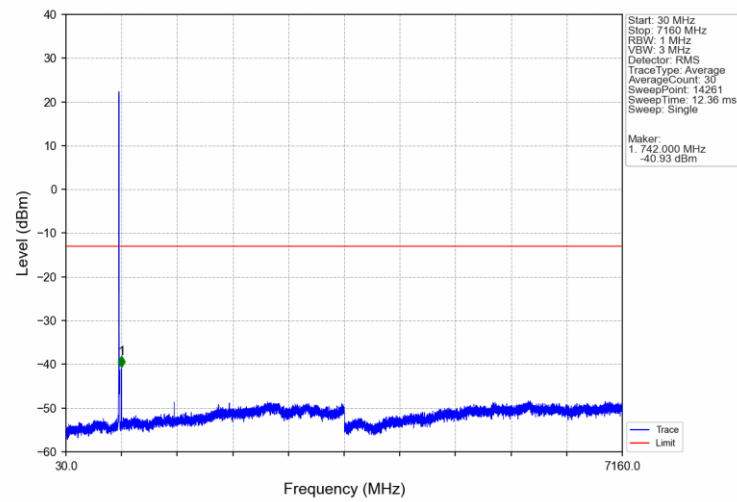
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



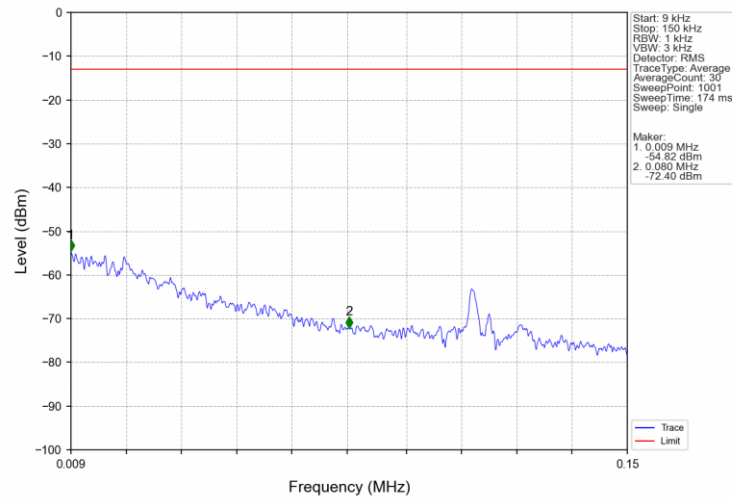
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



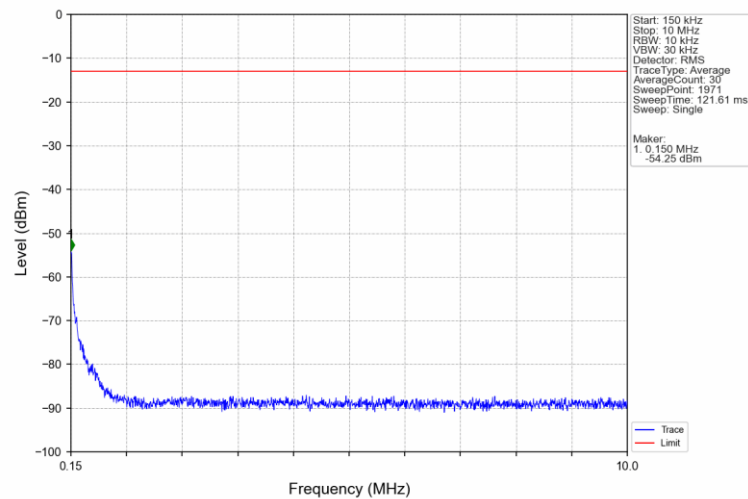
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



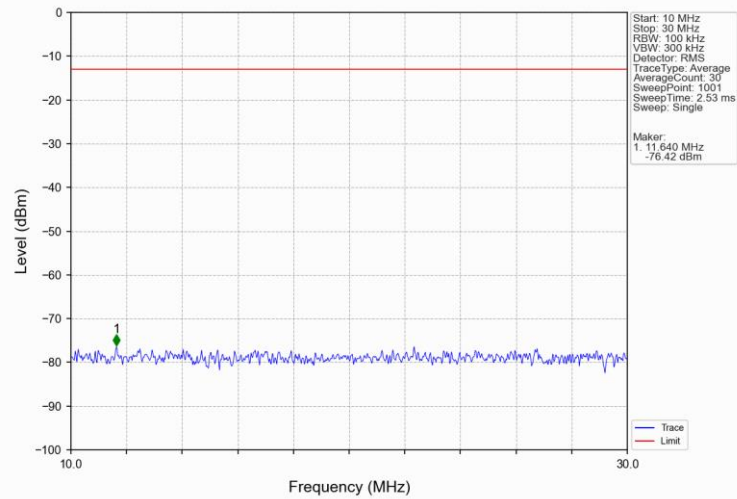
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



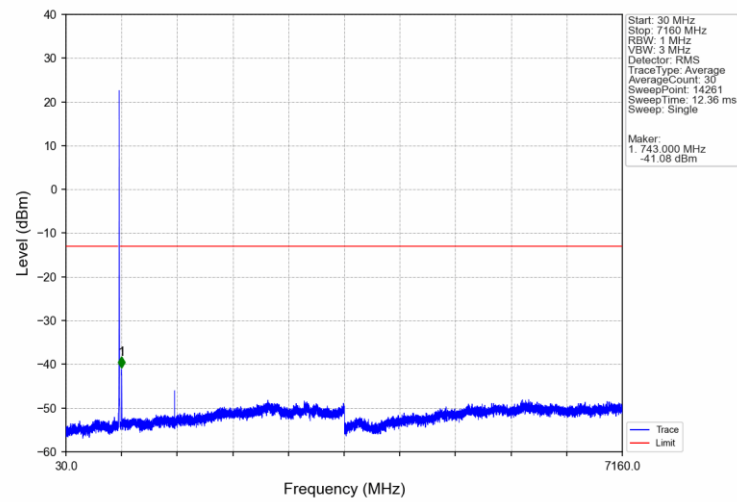
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



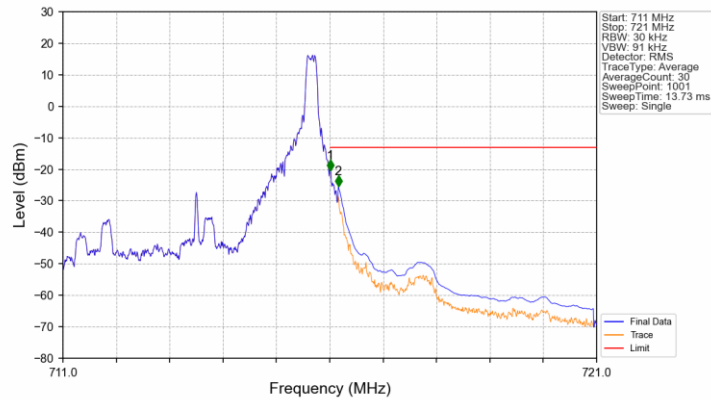
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

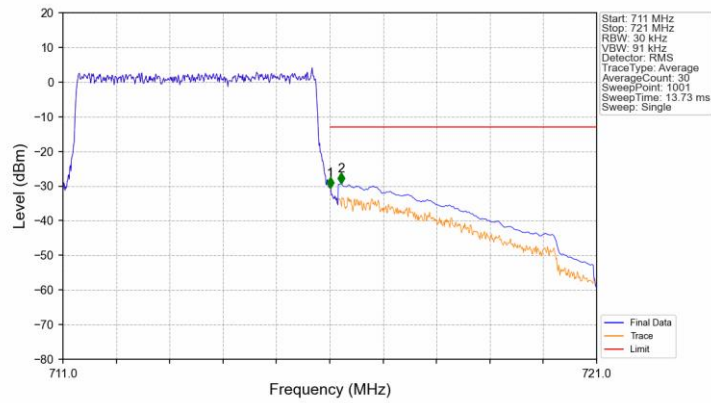


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



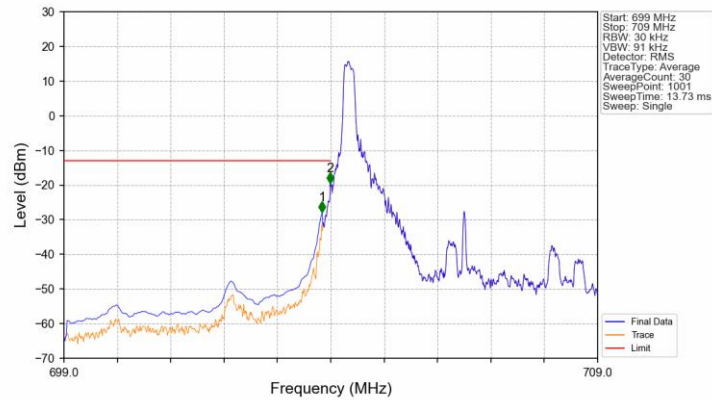
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-20.39	-13	Pass
716.1	721	0.1	CHP	2	716.160	-25.36	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



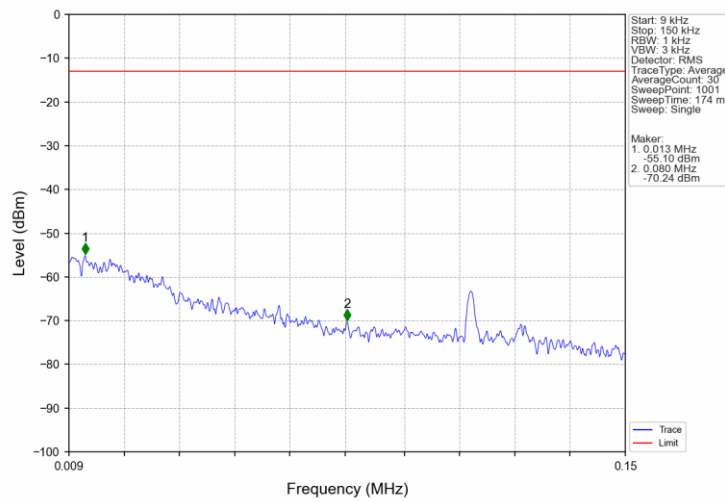
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-30.53	-13	Pass
716.1	721	0.1	CHP	2	716.210	-29.36	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

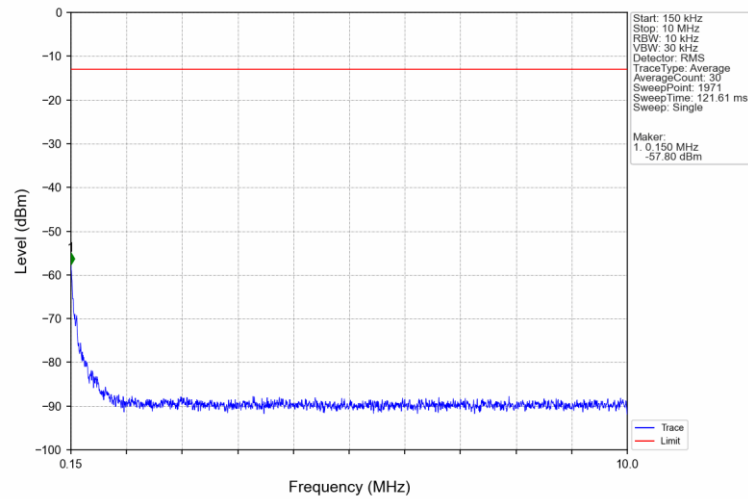


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-27.92	-13	Pass
703.9	704	0.03	/	2	703.990	-19.52	-13	Pass
704	709	0.03	/	/	/	/	/	/

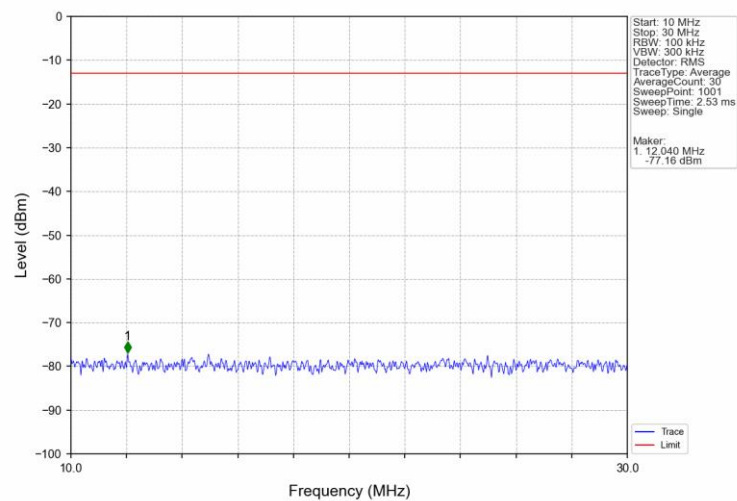
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



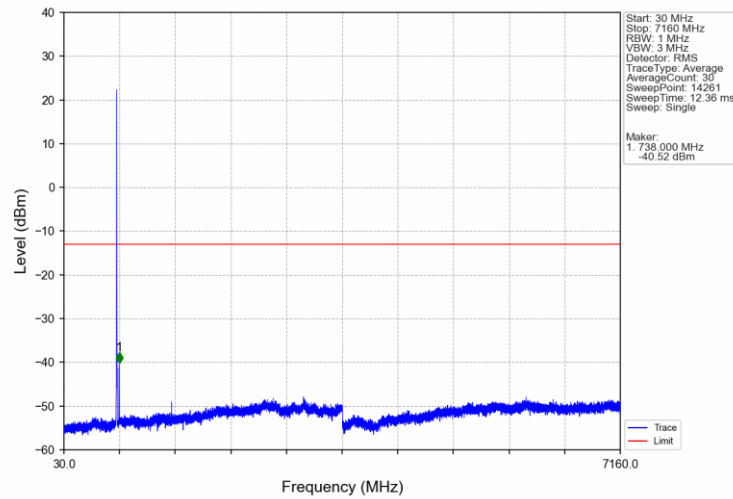
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



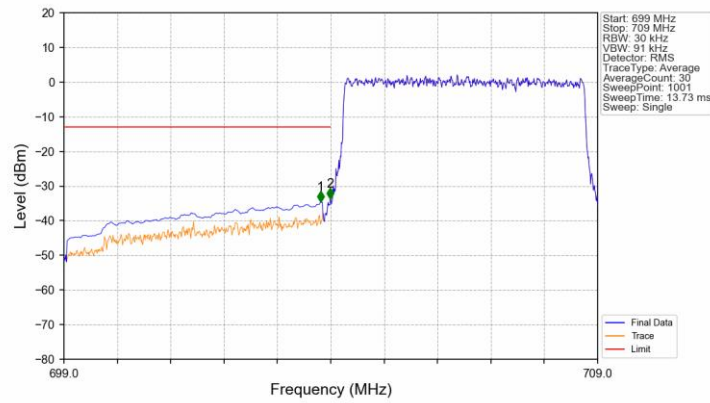
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

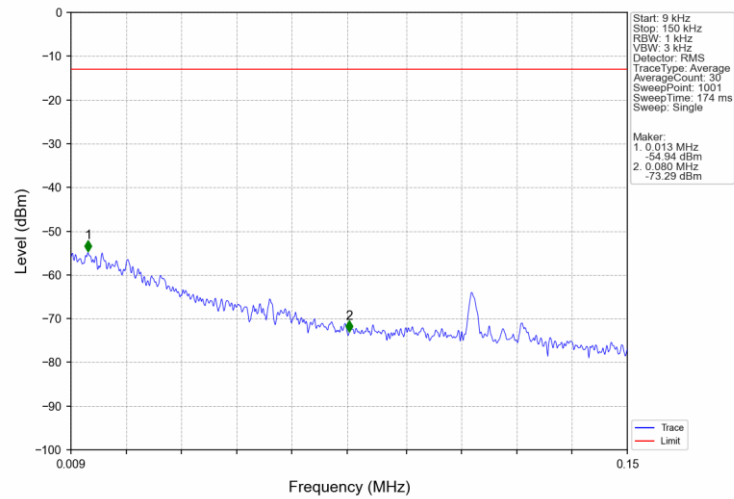


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

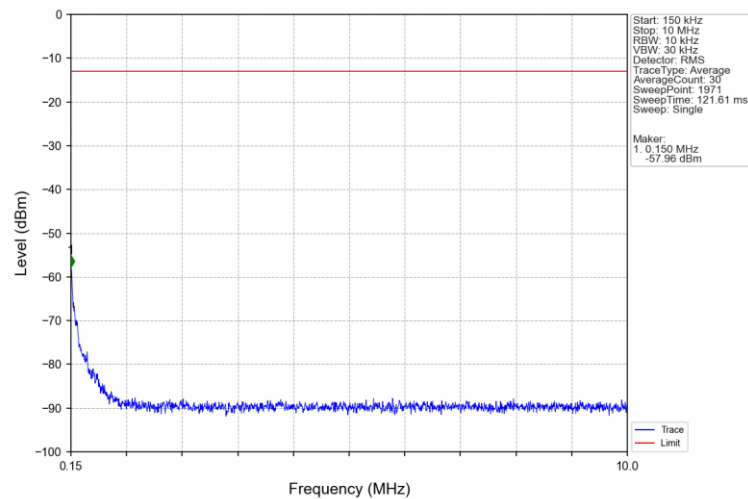


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.810	-34.59	-13	Pass
703.9	704	0.03	/	2	703.990	-33.73	-13	Pass
704	709	0.03	/	/	/	/	/	/

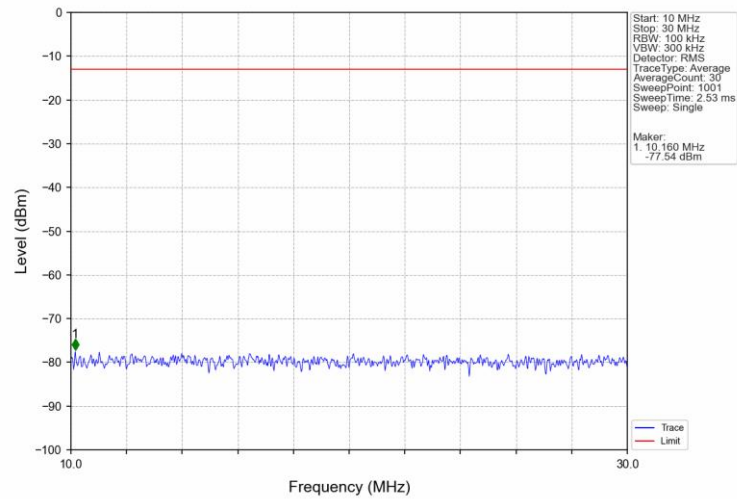
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



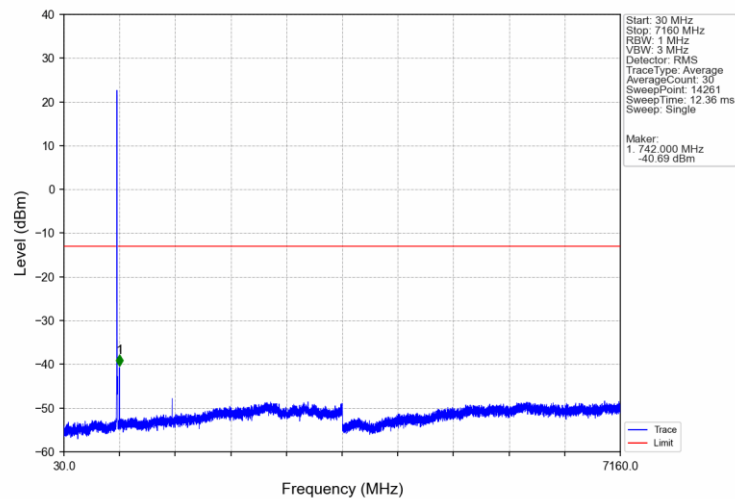
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



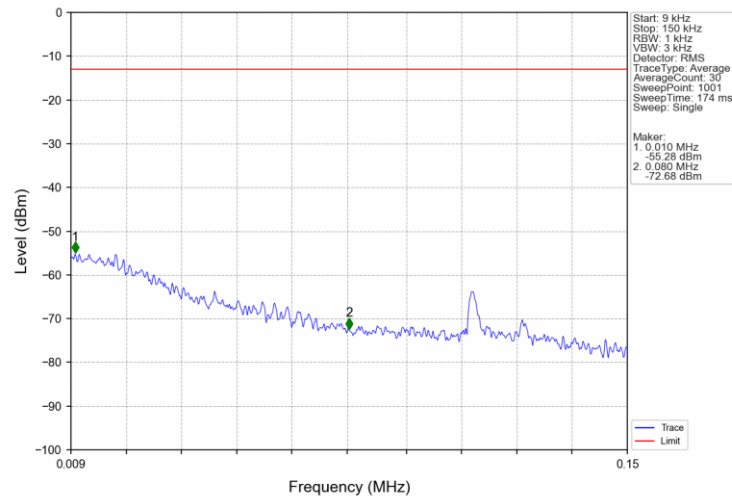
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



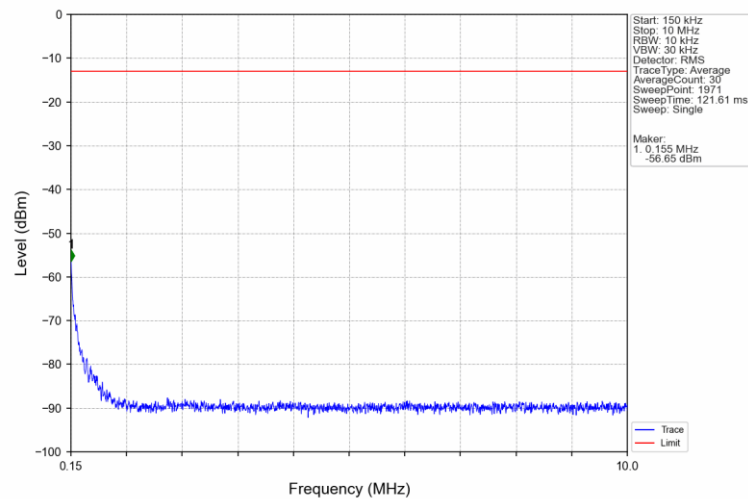
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



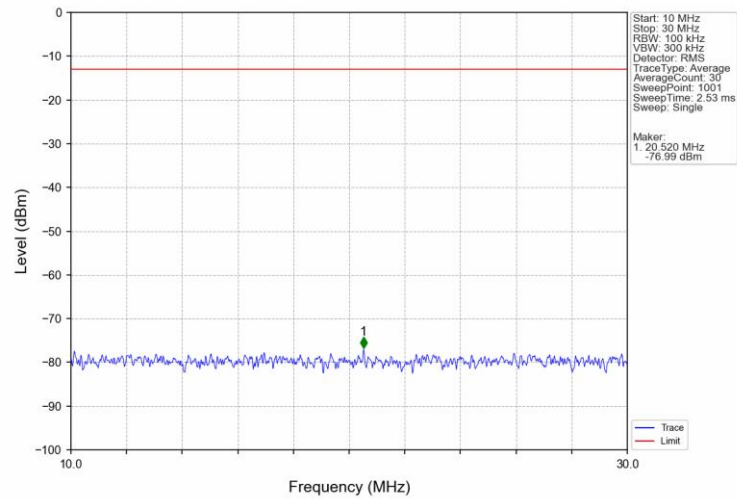
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



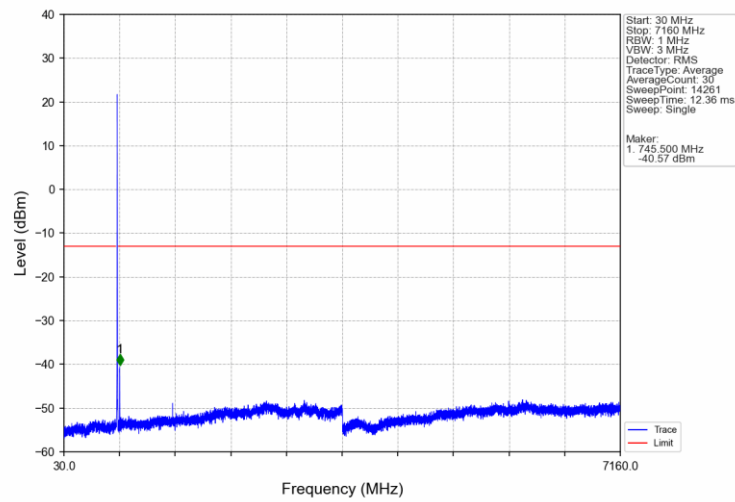
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



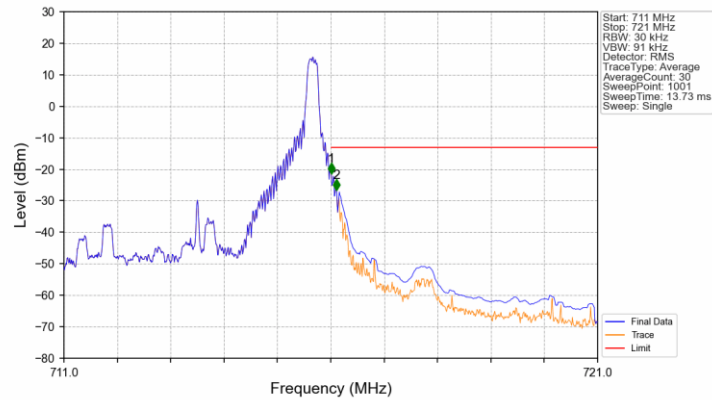
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

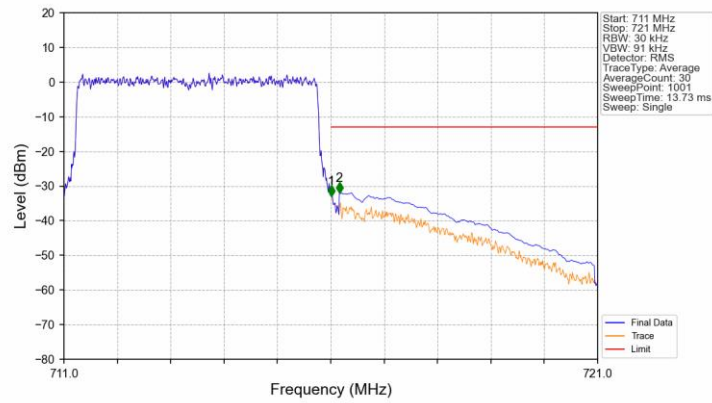


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-21.36	-13	Pass
716.1	721	0.1	CHP	2	716.110	-26.62	-13	Pass

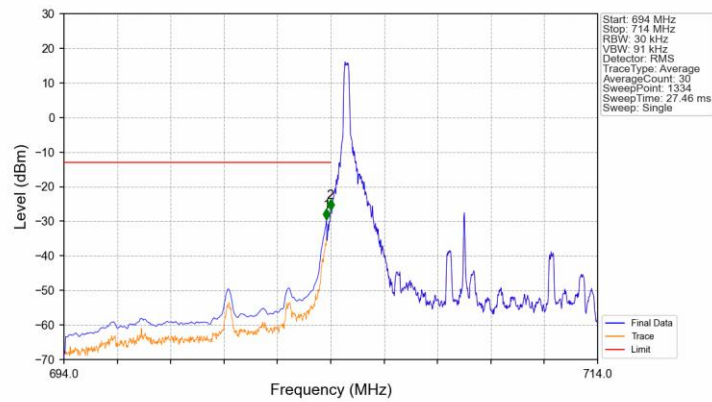
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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	-32.89	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.98	-13	Pass

6.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-29.50	-13	Pass
703.9	704	0.03	/	2	703.992	-26.78	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

