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	24.52	-3.58	18.79	<=34.77	Pass
			13	24.52	-3.58	18.79	<=34.77	Pass
			24	24.62	-3.58	18.89	<=34.77	Pass
		12	0	23.37	-3.58	17.64	<=34.77	Pass
			6	23.33	-3.58	17.60	<=34.77	Pass
			13	23.40	-3.58	17.67	<=34.77	Pass
		25	0	23.38	-3.58	17.65	<=34.77	Pass
	710	1	0	24.51	-3.58	18.78	<=34.77	Pass
			13	24.32	-3.58	18.59	<=34.77	Pass
			24	24.30	-3.58	18.57	<=34.77	Pass
		12	0	23.39	-3.58	17.66	<=34.77	Pass
			6	23.39	-3.58	17.66	<=34.77	Pass
			13	23.38	-3.58	17.65	<=34.77	Pass
		25	0	23.38	-3.58	17.65	<=34.77	Pass
	713.5	1	0	24.29	-3.58	18.56	<=34.77	Pass
			13	24.03	-3.58	18.30	<=34.77	Pass
			24	23.97	-3.58	18.24	<=34.77	Pass
		12	0	23.50	-3.58	17.77	<=34.77	Pass
			6	23.48	-3.58	17.75	<=34.77	Pass
			13	23.37	-3.58	17.64	<=34.77	Pass
		25	0	23.49	-3.58	17.76	<=34.77	Pass
16QAM	706.5	1	0	23.27	-3.58	17.54	<=34.77	Pass
			13	23.26	-3.58	17.53	<=34.77	Pass
			24	23.37	-3.58	17.64	<=34.77	Pass
		12	0	22.38	-3.58	16.65	<=34.77	Pass
			6	22.34	-3.58	16.61	<=34.77	Pass
			13	22.38	-3.58	16.65	<=34.77	Pass
		25	0	22.42	-3.58	16.69	<=34.77	Pass
	710	1	0	23.19	-3.58	17.46	<=34.77	Pass
			13	23.11	-3.58	17.38	<=34.77	Pass
			24	23.22	-3.58	17.49	<=34.77	Pass
		12	0	22.36	-3.58	16.63	<=34.77	Pass
			6	22.44	-3.58	16.71	<=34.77	Pass
			13	22.46	-3.58	16.73	<=34.77	Pass
		25	0	22.49	-3.58	16.76	<=34.77	Pass
	713.5	1	0	23.26	-3.58	17.53	<=34.77	Pass
			13	23.19	-3.58	17.46	<=34.77	Pass
			24	23.22	-3.58	17.49	<=34.77	Pass
		12	0	22.62	-3.58	16.89	<=34.77	Pass
			6	22.58	-3.58	16.85	<=34.77	Pass
			13	22.49	-3.58	16.76	<=34.77	Pass
		25	0	22.54	-3.58	16.81	<=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	24.33	-3.58	18.60	<=34.77	Pass
			25	24.44	-3.58	18.71	<=34.77	Pass
			49	24.53	-3.58	18.80	<=34.77	Pass
		25	0	23.37	-3.58	17.64	<=34.77	Pass
			13	23.41	-3.58	17.68	<=34.77	Pass
			25	23.39	-3.58	17.66	<=34.77	Pass
		50	0	23.39	-3.58	17.66	<=34.77	Pass
	710	1	0	23.86	-3.58	18.13	<=34.77	Pass
			25	24.01	-3.58	18.28	<=34.77	Pass
			49	24.02	-3.58	18.29	<=34.77	Pass
		25	0	23.34	-3.58	17.61	<=34.77	Pass
			13	23.38	-3.58	17.65	<=34.77	Pass
			25	23.32	-3.58	17.59	<=34.77	Pass
		50	0	23.35	-3.58	17.62	<=34.77	Pass
	711	1	0	23.92	-3.58	18.19	<=34.77	Pass
			25	24.02	-3.58	18.29	<=34.77	Pass
			49	24.01	-3.58	18.28	<=34.77	Pass
		25	0	23.39	-3.58	17.66	<=34.77	Pass
			13	23.44	-3.58	17.71	<=34.77	Pass
			25	23.30	-3.58	17.57	<=34.77	Pass
		50	0	23.36	-3.58	17.63	<=34.77	Pass
16QAM	709	1	0	23.12	-3.58	17.39	<=34.77	Pass
			25	23.09	-3.58	17.36	<=34.77	Pass
			49	23.10	-3.58	17.37	<=34.77	Pass
		25	0	22.45	-3.58	16.72	<=34.77	Pass
			13	22.56	-3.58	16.83	<=34.77	Pass
			25	22.55	-3.58	16.82	<=34.77	Pass
		50	0	22.45	-3.58	16.72	<=34.77	Pass
	710	1	0	23.01	-3.58	17.28	<=34.77	Pass
			25	23.11	-3.58	17.38	<=34.77	Pass
			49	23.21	-3.58	17.48	<=34.77	Pass
		25	0	22.41	-3.58	16.68	<=34.77	Pass
			13	22.50	-3.58	16.77	<=34.77	Pass
			25	22.42	-3.58	16.69	<=34.77	Pass
		50	0	22.42	-3.58	16.69	<=34.77	Pass
	711	1	0	23.41	-3.58	17.68	<=34.77	Pass
			25	23.49	-3.58	17.76	<=34.77	Pass
			49	23.55	-3.58	17.82	<=34.77	Pass
		25	0	22.45	-3.58	16.72	<=34.77	Pass
			13	22.58	-3.58	16.85	<=34.77	Pass
			25	22.44	-3.58	16.71	<=34.77	Pass
		50	0	22.46	-3.58	16.73	<=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	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	706.5	25	0	20	3.27	2.017	0.0029	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
					4.43	0.658	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	4.106	0.0058	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
				50	3.85	0.772	0.0011	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-1.130	-0.0016	-2.5 to 2.5	Pass
					3.85	2.947	0.0042	-2.5 to 2.5	Pass
					4.43	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	2.074	0.0029	-2.5 to 2.5	Pass
				-20	3.85	3.433	0.0048	-2.5 to 2.5	Pass
				-10	3.85	1.731	0.0024	-2.5 to 2.5	Pass
				0	3.85	2.017	0.0028	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				40	3.85	0.887	0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-2.446	-0.0034	-2.5 to 2.5	Pass
					3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
					4.43	-2.289	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.821	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
				30	3.85	2.303	0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-1.402	-0.0020	-2.5 to 2.5	Pass
					3.85	0.057	0.0001	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.147	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
				50	3.85	0.858	0.0012	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-1.960	-0.0028	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0031	-2.5 to 2.5	Pass
					4.43	-2.933	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				0	3.85	0.730	0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.003	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				40	3.85	2.117	0.0030	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-2.789	-0.0039	-2.5 to 2.5	Pass
					3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
					4.43	-2.861	-0.0040	-2.5 to 2.5	Pass

				-30	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	3.676	0.0052	-2.5 to 2.5	Pass
				0	3.85	-1.531	-0.0021	-2.5 to 2.5	Pass
				10	3.85	3.719	0.0052	-2.5 to 2.5	Pass
				30	3.85	1.574	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.858	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.858	0.0012	-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	-3.505	-0.0049	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
					4.43	-3.090	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
	710	50	0	20	3.27	1.130	0.0016	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				0	3.85	3.104	0.0044	-2.5 to 2.5	Pass
				10	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	1.702	0.0024	-2.5 to 2.5	Pass
				50	3.85	-4.678	-0.0066	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.631	-0.0023	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.43	0.401	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.259	0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-2.432	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-4.106	-0.0058	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass

	710	50	0	20	3.27	-1.259	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.950	-0.0070	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.645	0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				50	3.85	0.501	0.0007	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.758	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
					4.43	0.629	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				30	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.315	0.0004	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

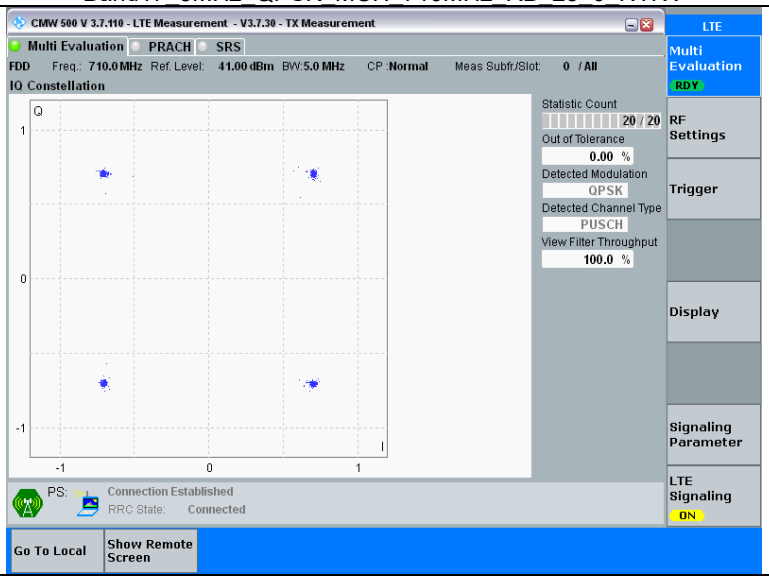
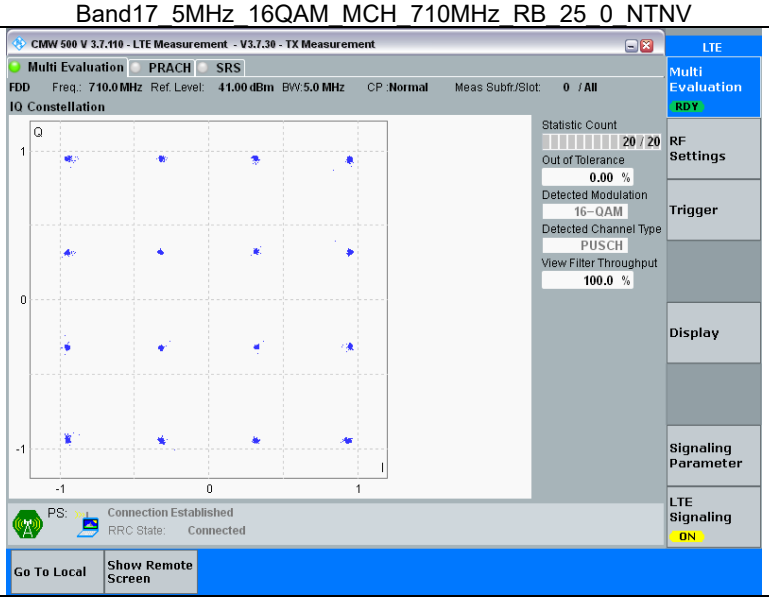
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

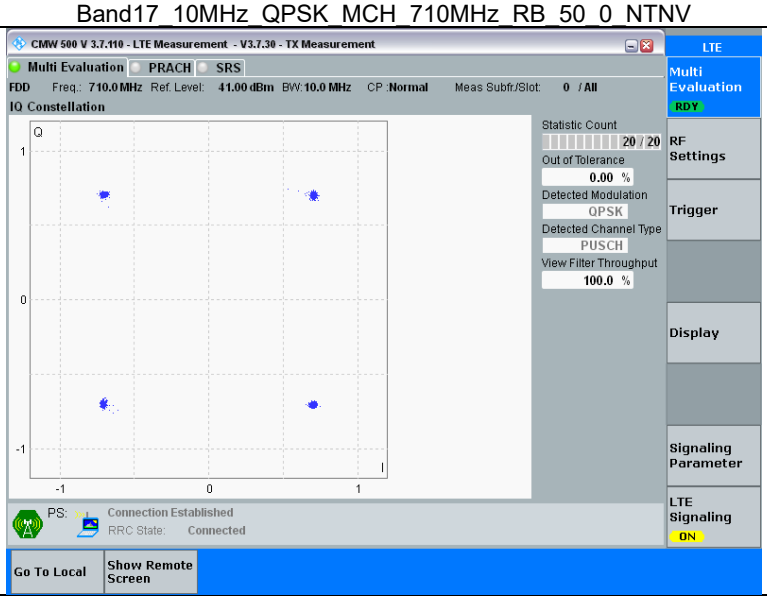
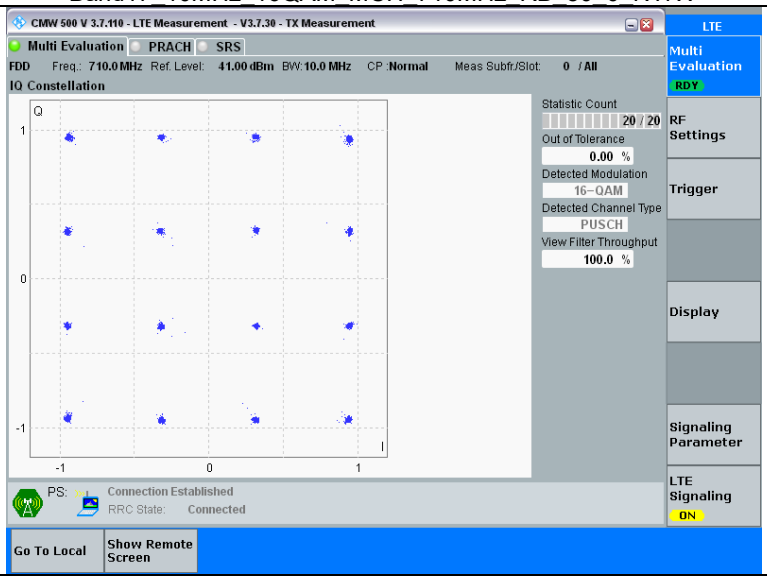
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B17_5MHz

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV

Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV


3.2.2 B17_10MHz

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.550	/	Pass
		710	25	0	4.533	/	Pass
		713.5	25	0	4.553	/	Pass
	16QAM	706.5	25	0	4.544	/	Pass
		710	25	0	4.566	/	Pass
		713.5	25	0	4.528	/	Pass
10	QPSK	709	50	0	9.058	/	Pass
		710	50	0	9.031	/	Pass
		711	50	0	9.043	/	Pass
	16QAM	709	50	0	9.048	/	Pass
		710	50	0	9.043	/	Pass
		711	50	0	9.056	/	Pass

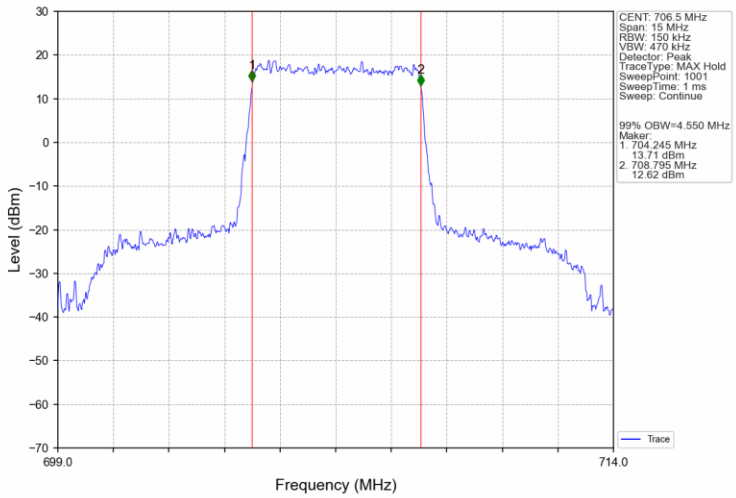
4.1.2 Band17_XDB

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.047	/	Pass
		710	25	0	5.040	/	Pass
		713.5	25	0	5.039	/	Pass
	16QAM	706.5	25	0	5.089	/	Pass
		710	25	0	5.036	/	Pass
		713.5	25	0	4.991	/	Pass
10	QPSK	709	50	0	9.946	/	Pass
		710	50	0	9.971	/	Pass
		711	50	0	10.016	/	Pass
	16QAM	709	50	0	9.954	/	Pass
		710	50	0	9.891	/	Pass
		711	50	0	9.923	/	Pass

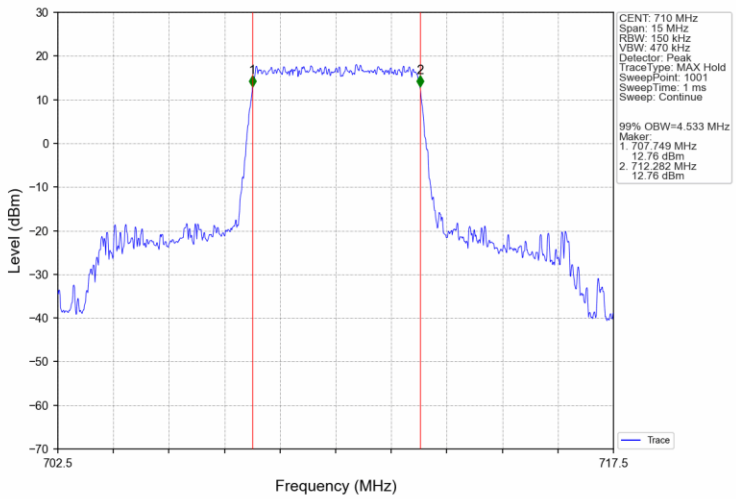
4.2 Test Graph

4.2.1 Band17_OBW

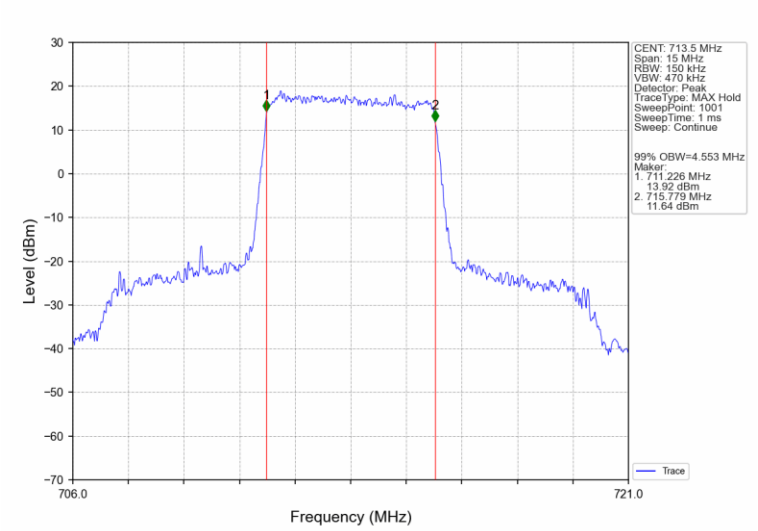
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



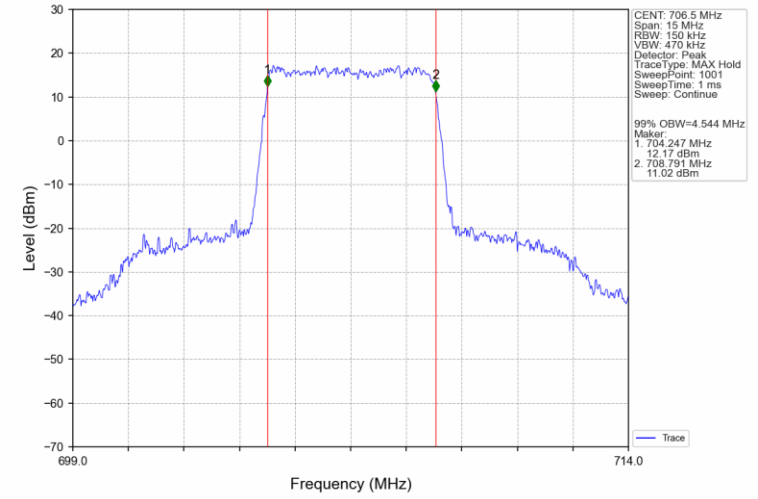
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



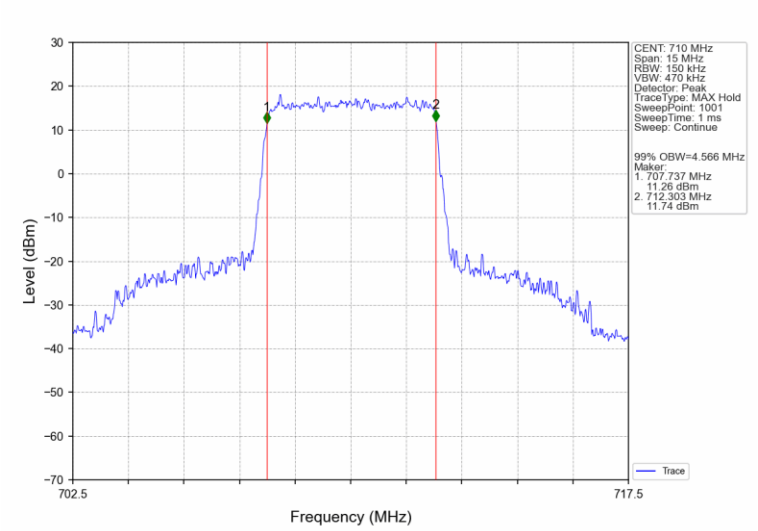
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



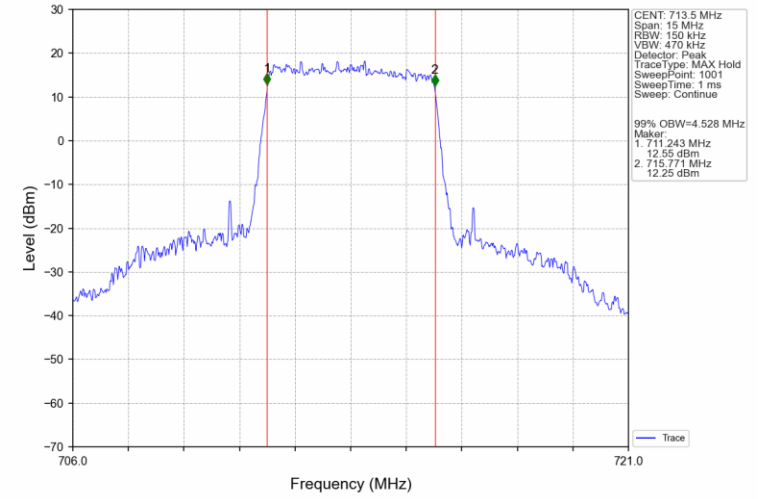
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



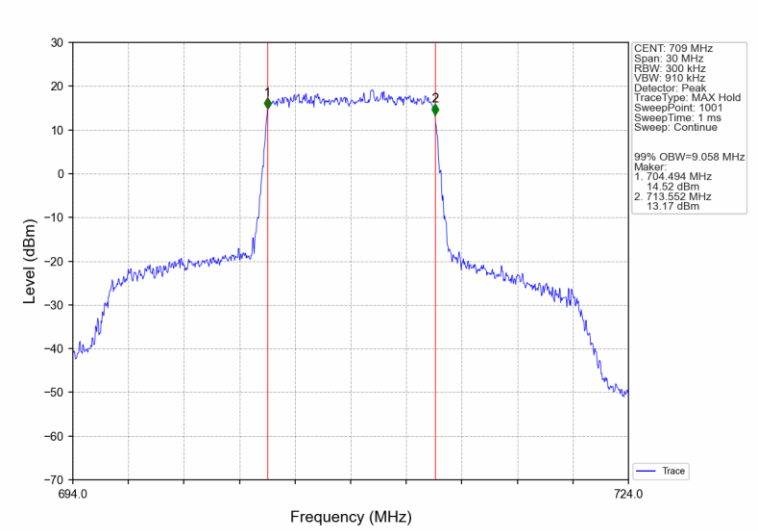
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



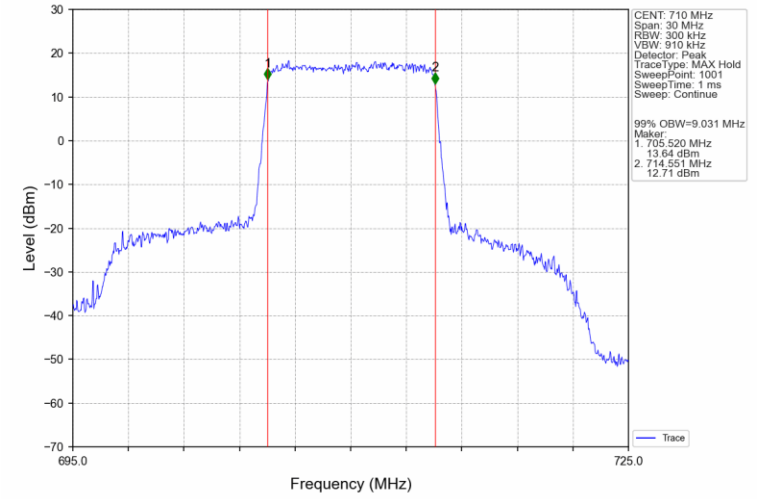
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



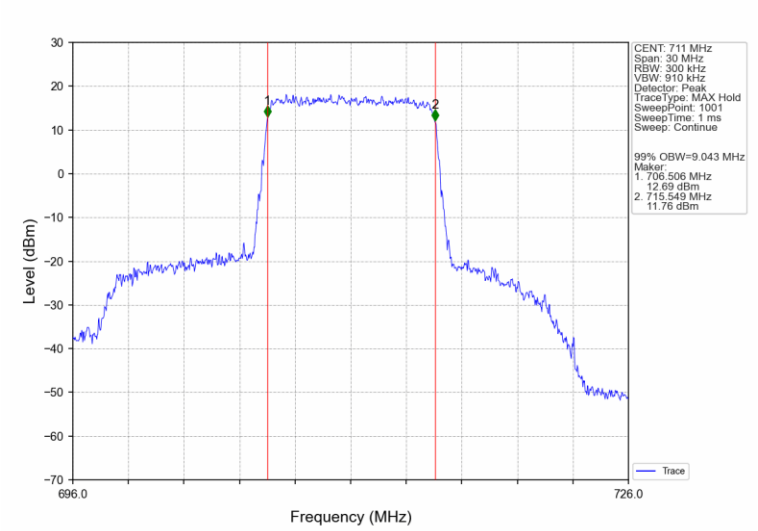
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



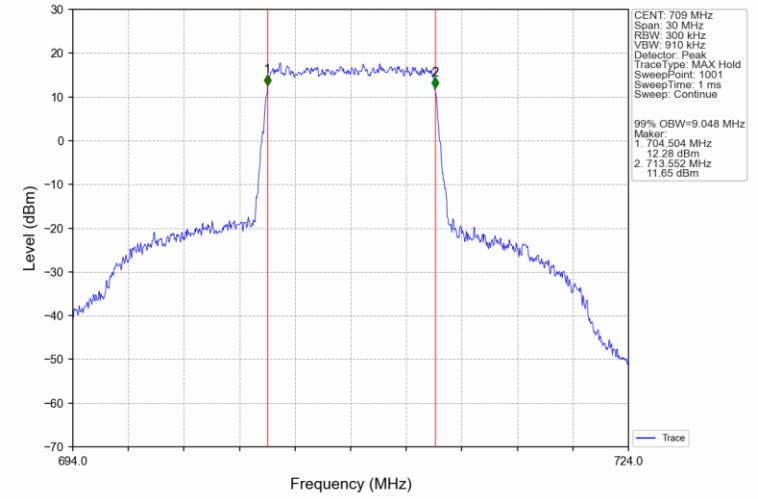
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

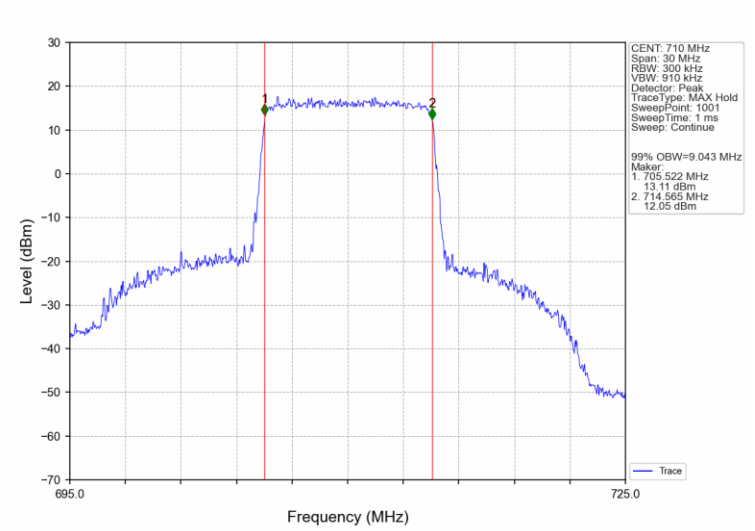
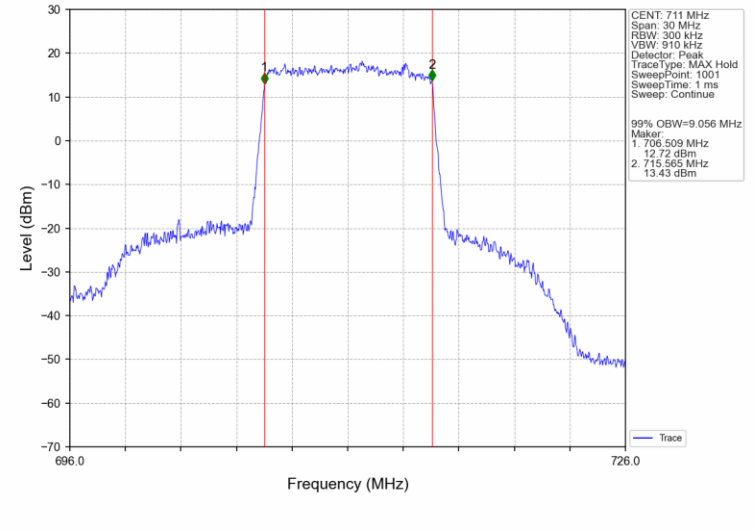


Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



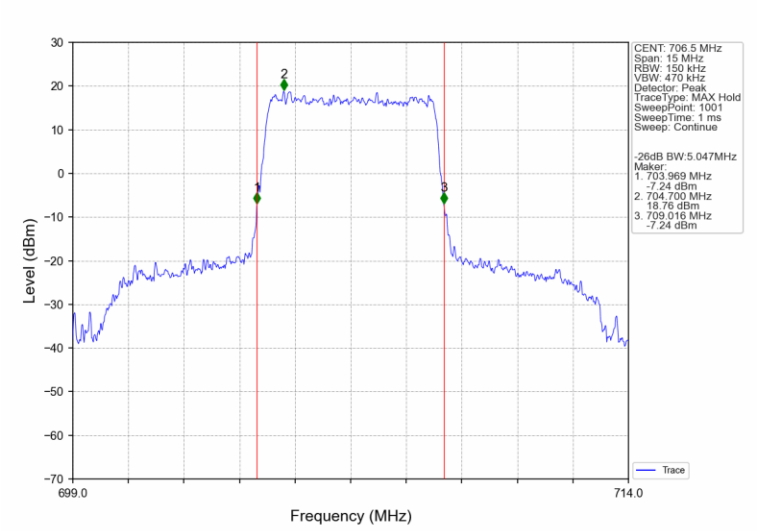
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



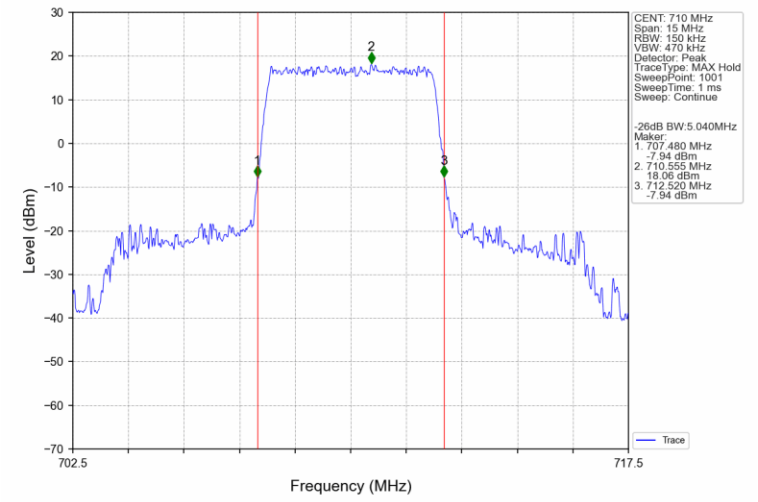
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV


4.2.2 Band17_XDB

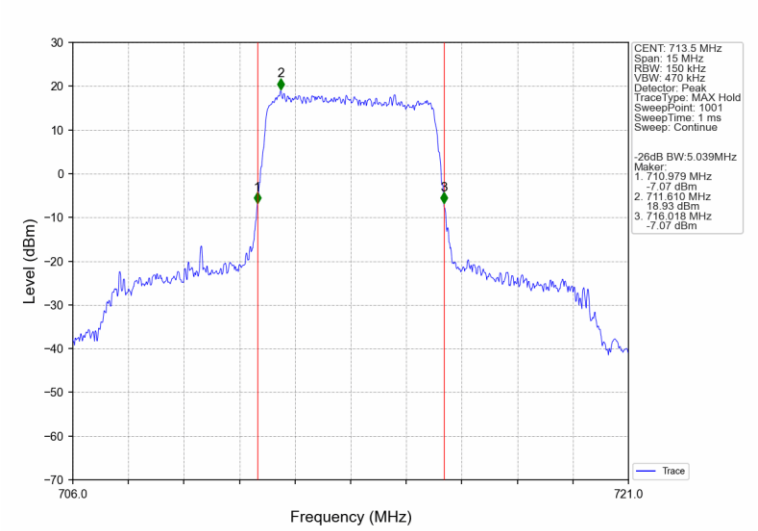
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



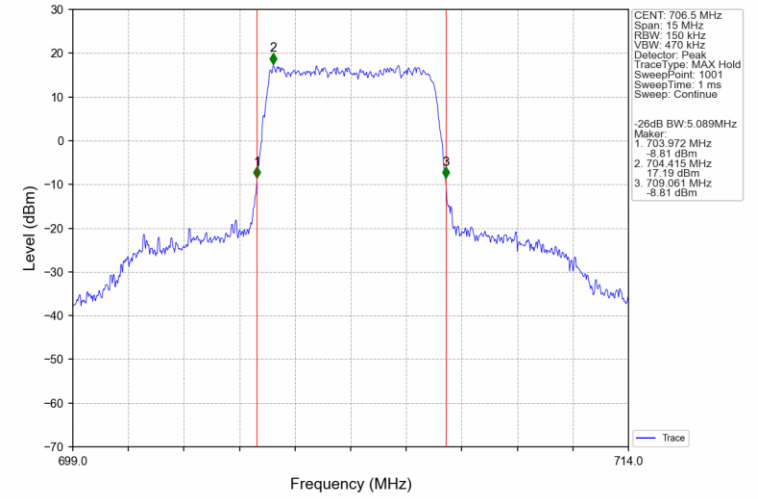
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



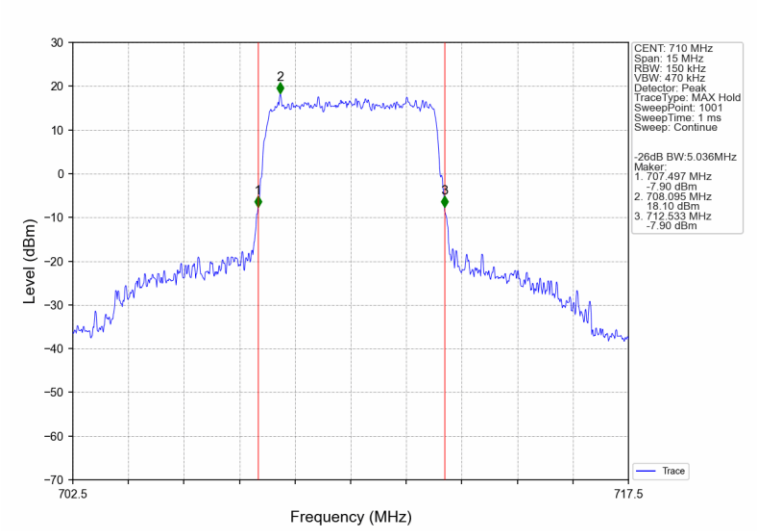
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



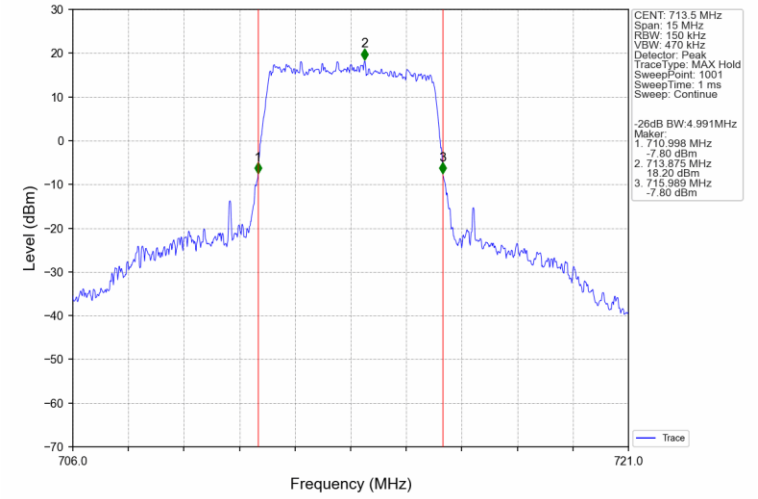
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



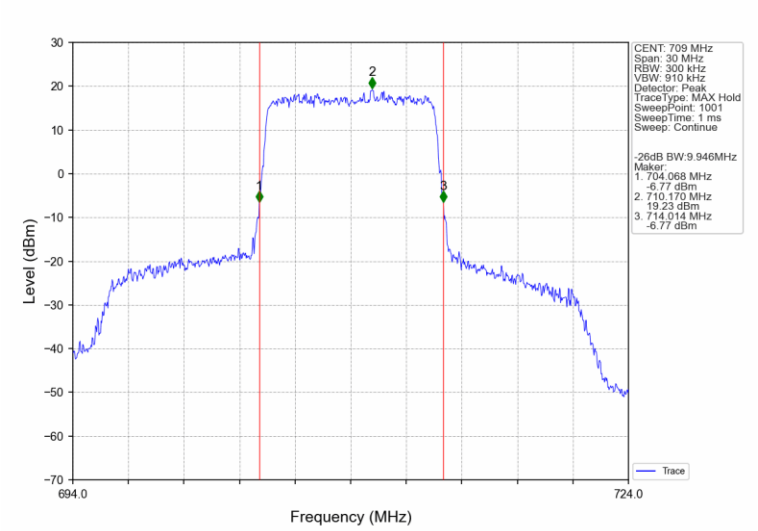
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



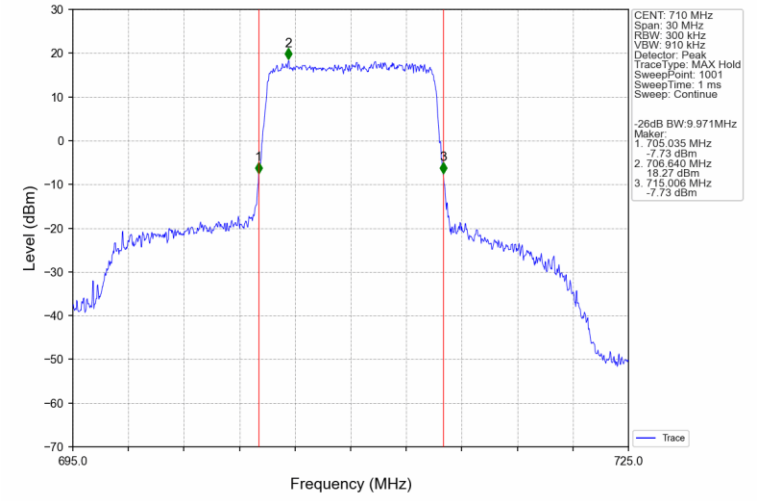
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



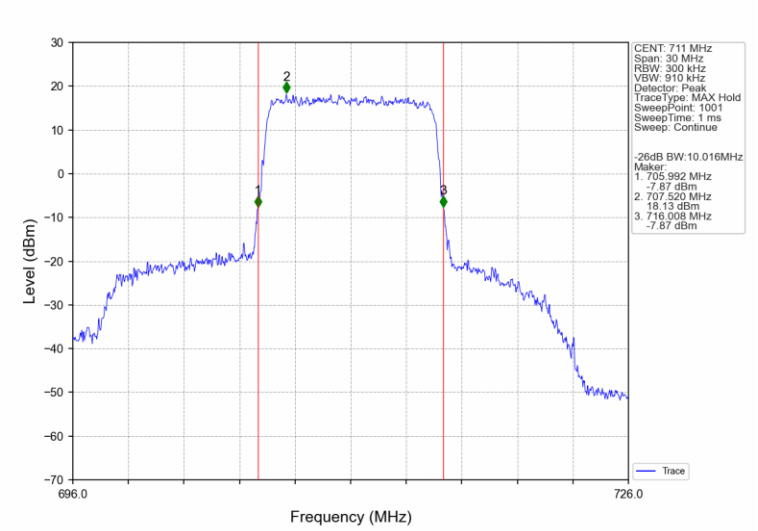
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



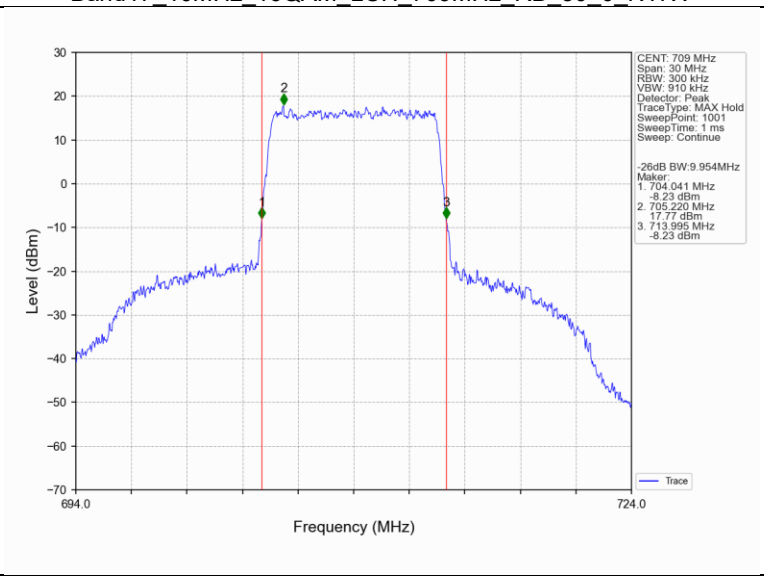
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



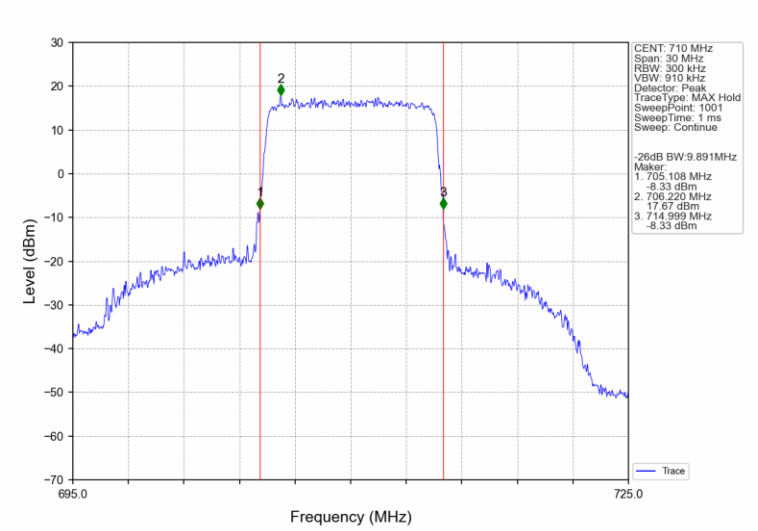
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



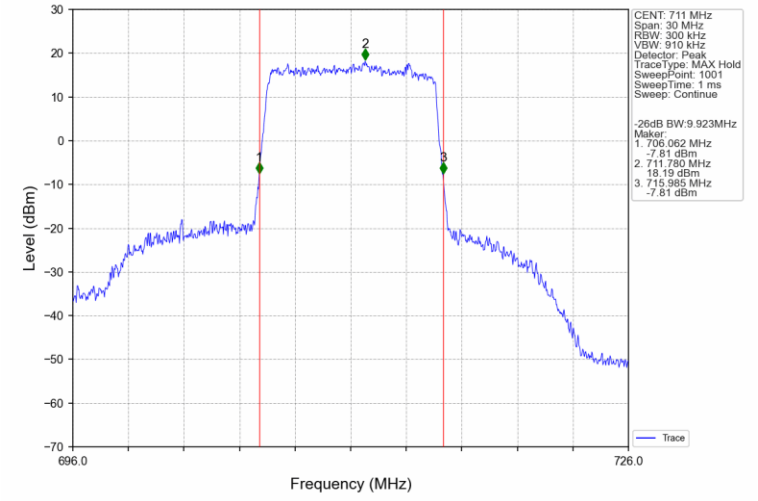
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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	5.45	<=13	Pass
	710	25	0	5.46	<=13	Pass
	713.5	25	0	5.48	<=13	Pass
16QAM	706.5	25	0	6.13	<=13	Pass
	710	25	0	6.02	<=13	Pass
	713.5	25	0	6.11	<=13	Pass

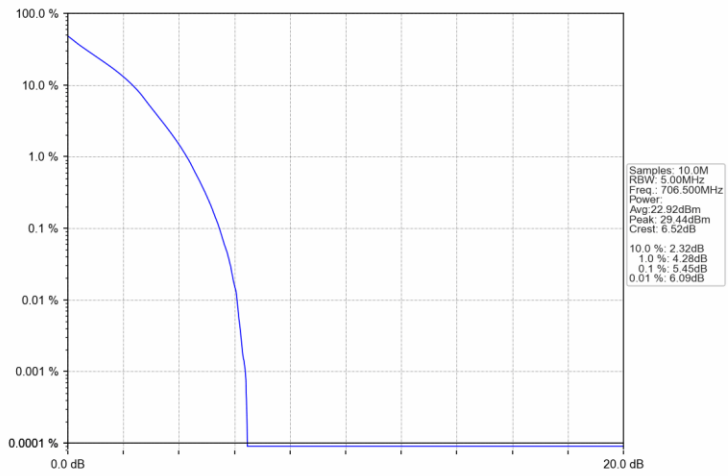
5.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.34	<=13	Pass
	710	50	0	5.27	<=13	Pass
	711	50	0	5.30	<=13	Pass
16QAM	709	50	0	6.07	<=13	Pass
	710	50	0	6.06	<=13	Pass
	711	50	0	5.98	<=13	Pass

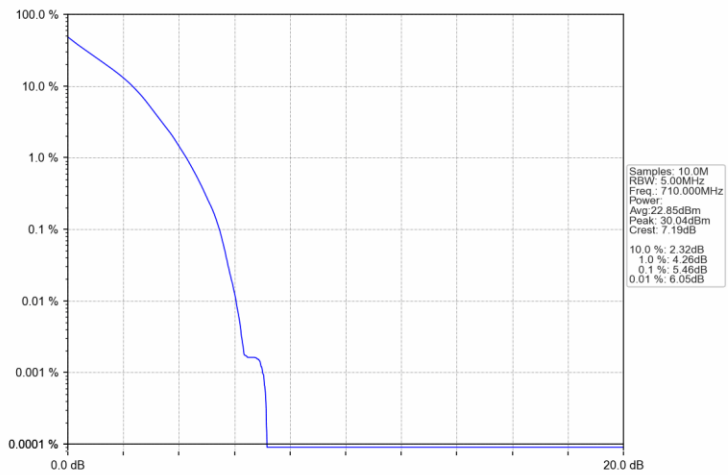
5.2 Test Graph

5.2.1 B17_5MHz

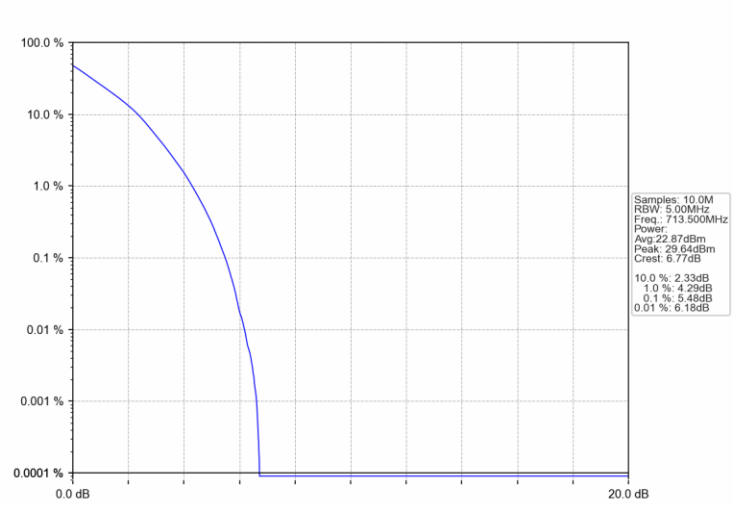
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



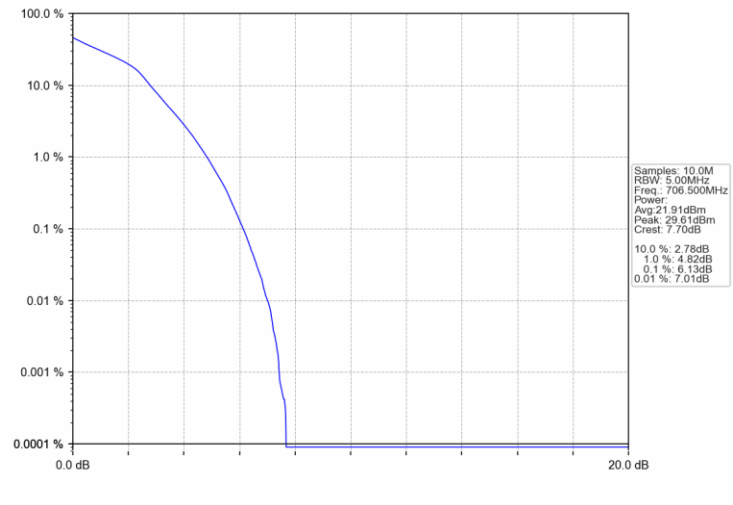
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



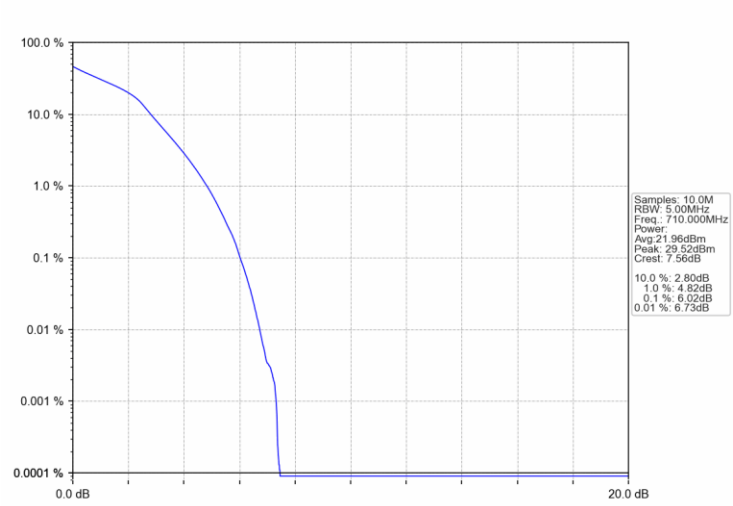
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



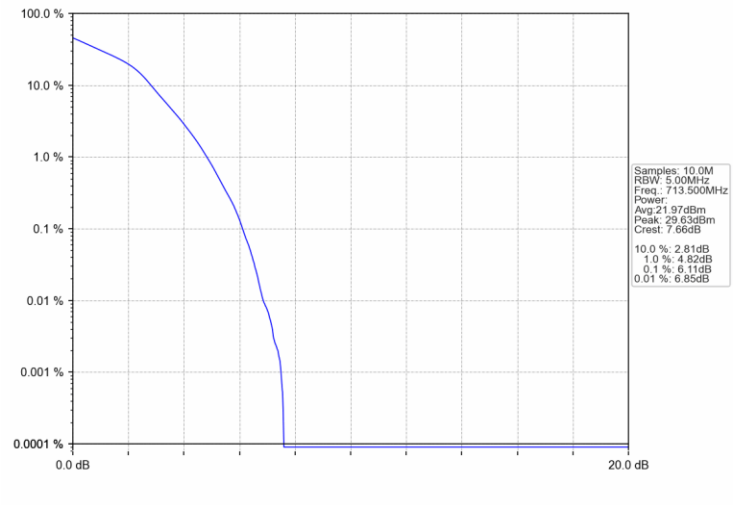
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



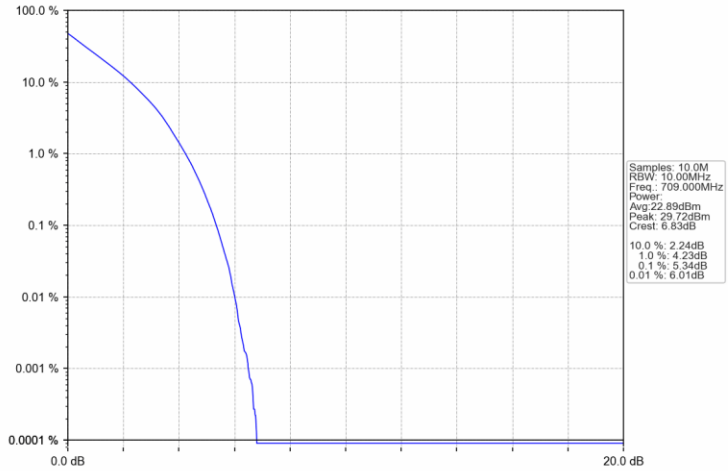
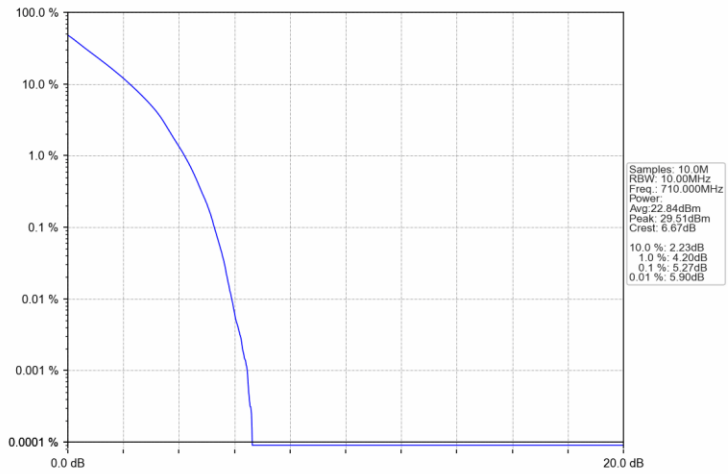
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



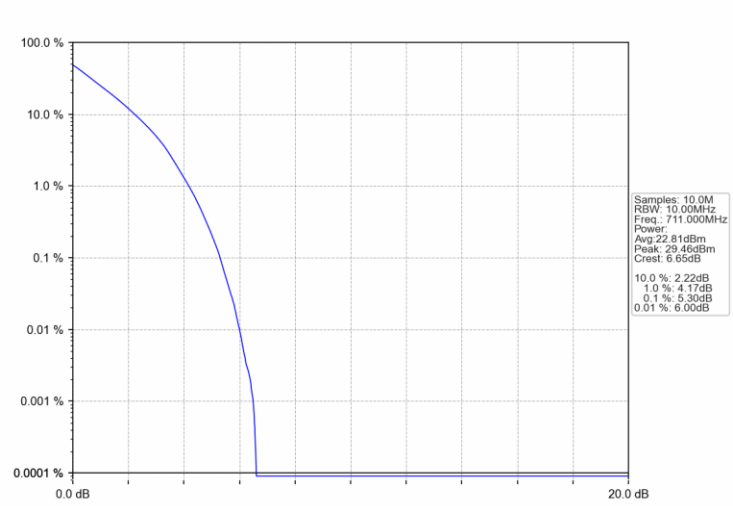
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



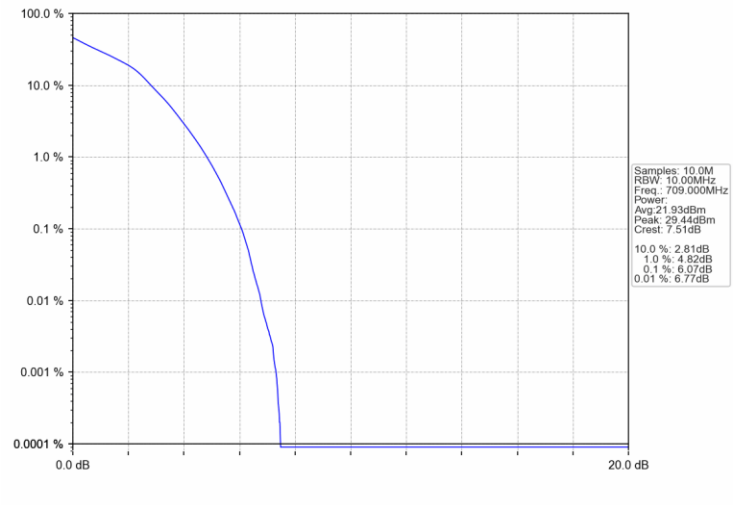
5.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV


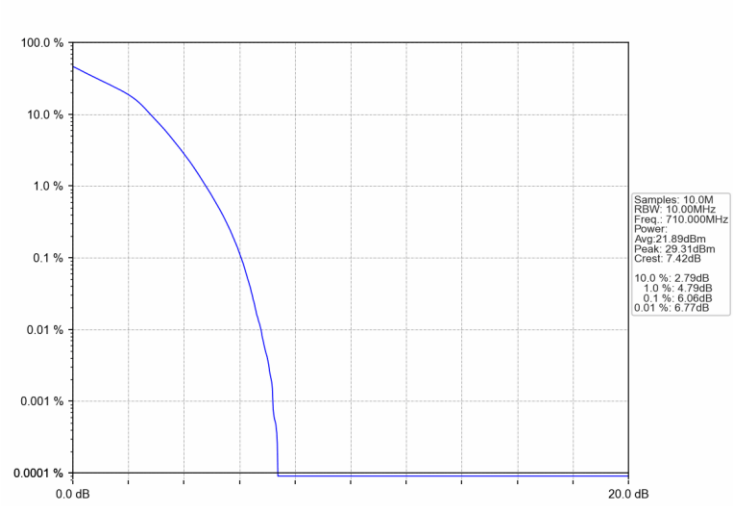
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



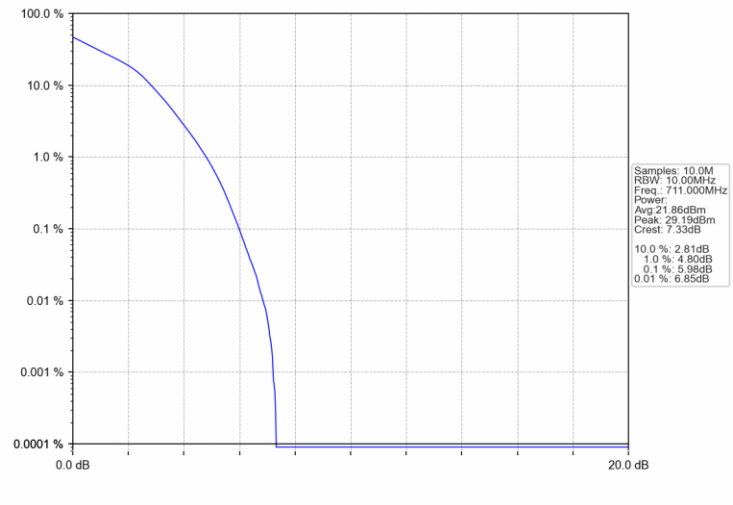
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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 / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

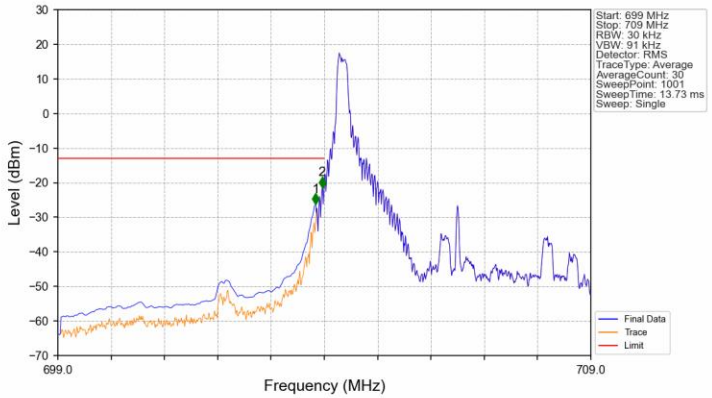
6.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

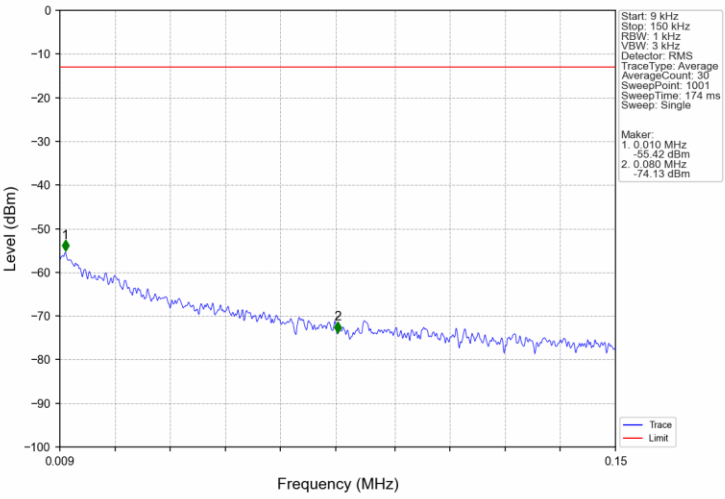
6.2.1 B17_5MHz

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

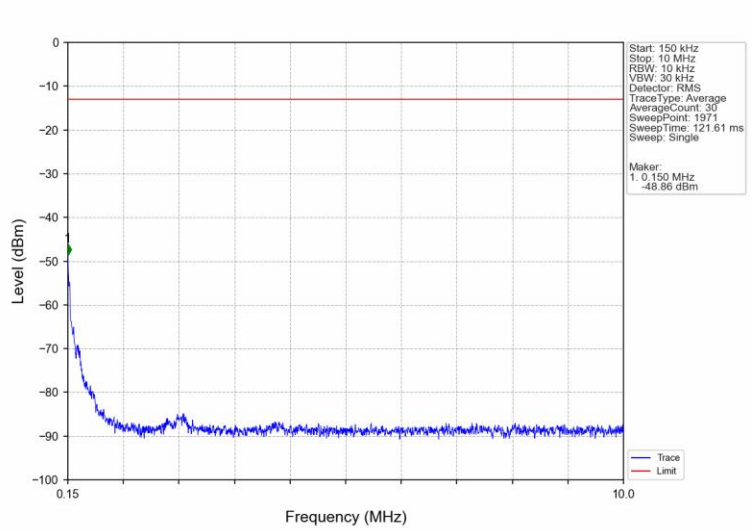


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-26.20	-13	Pass
703.9	704	0.03	/	2	703.960	-21.41	-13	Pass
704	709	0.03	/	/	/	/	/	/

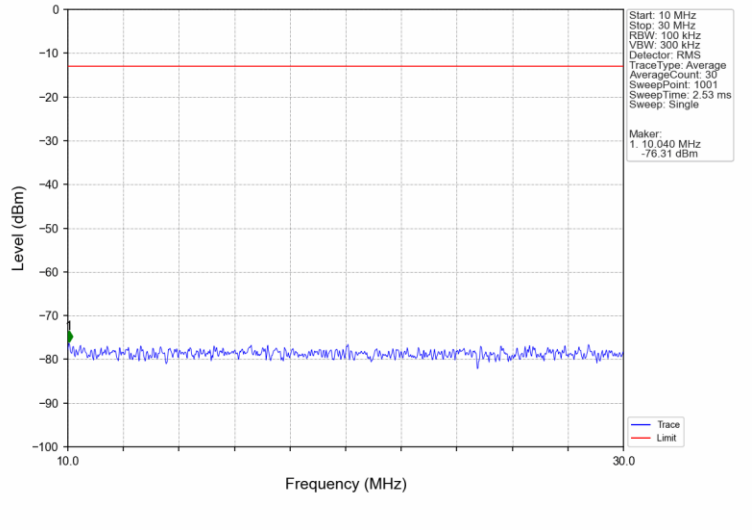
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



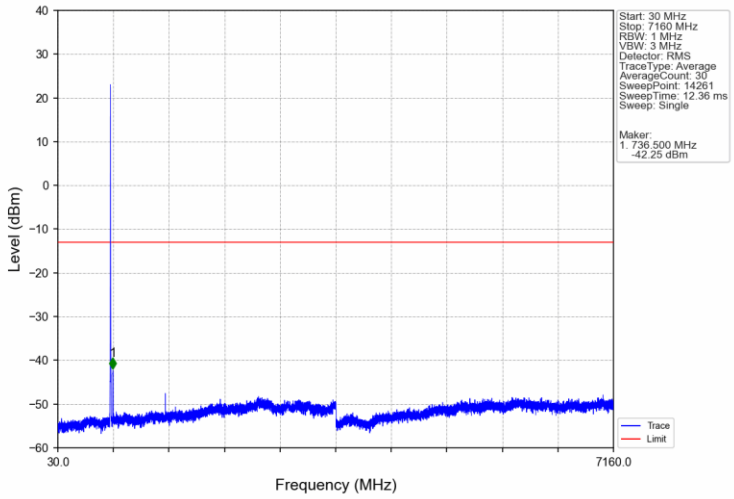
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



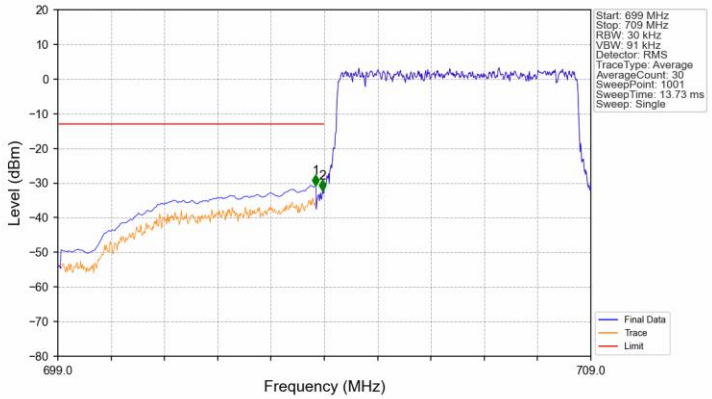
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

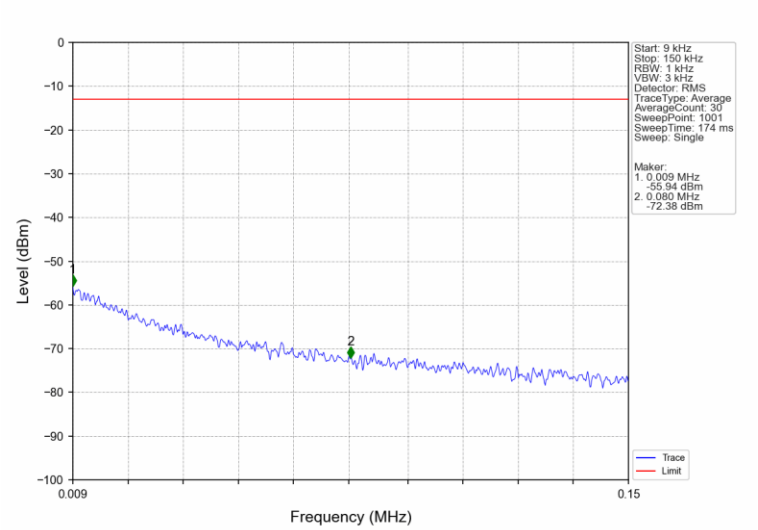


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

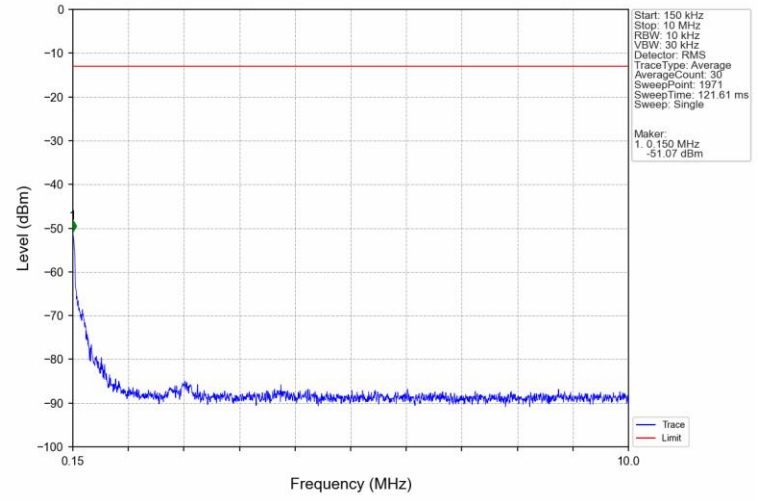


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.70	-13	Pass
703.9	704	0.03	/	2	703.970	-32.30	-13	Pass
704	709	0.03	/	/	/	/	/	/

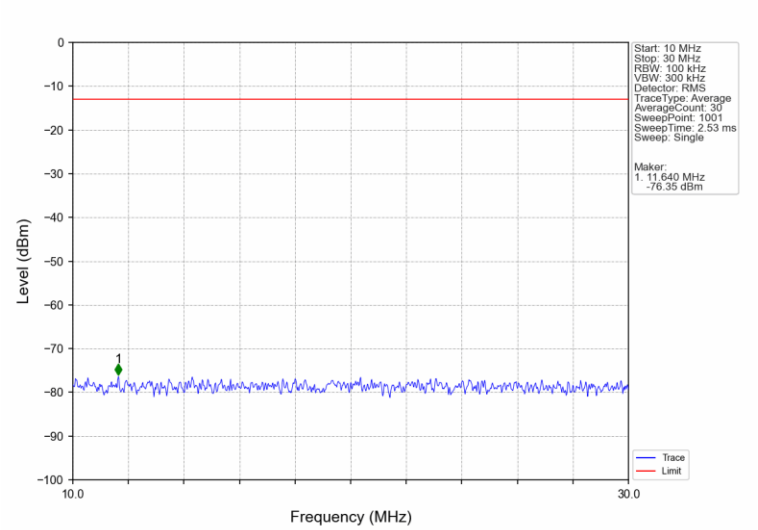
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



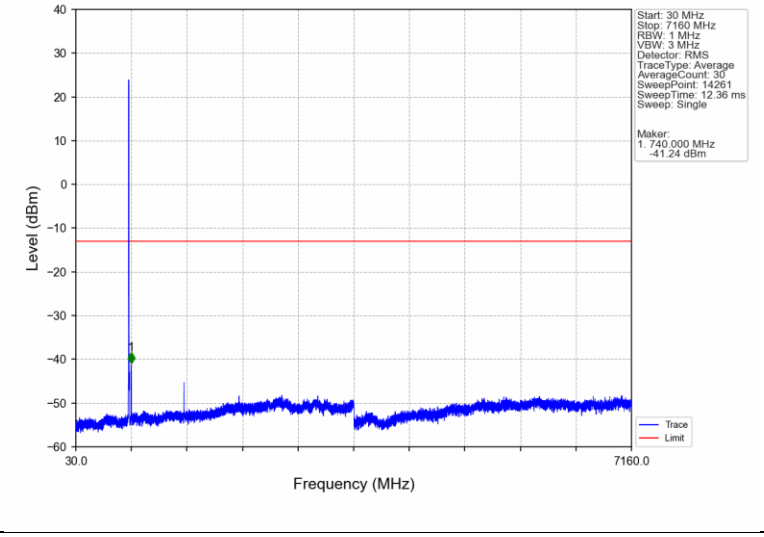
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



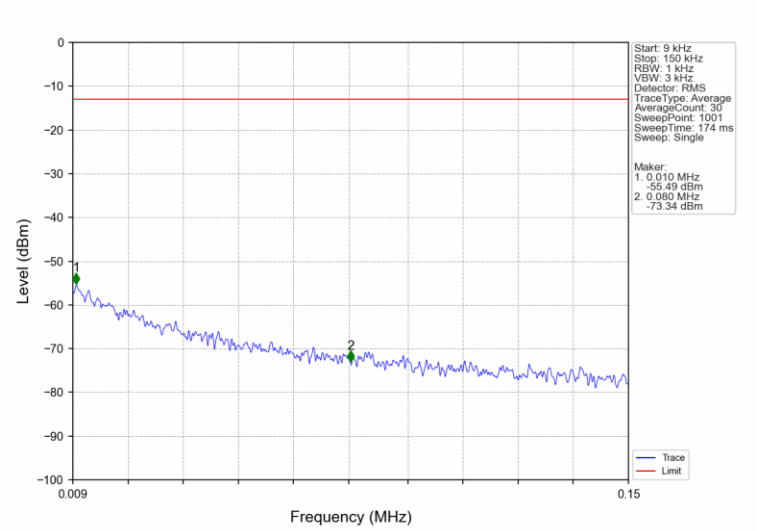
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



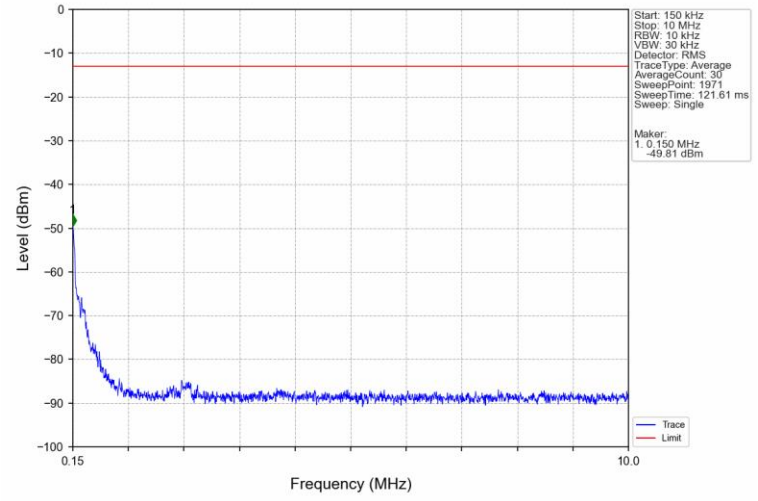
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



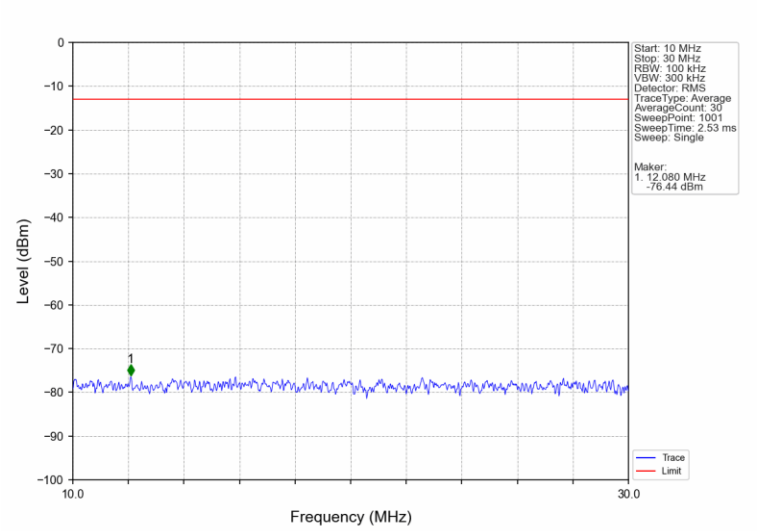
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



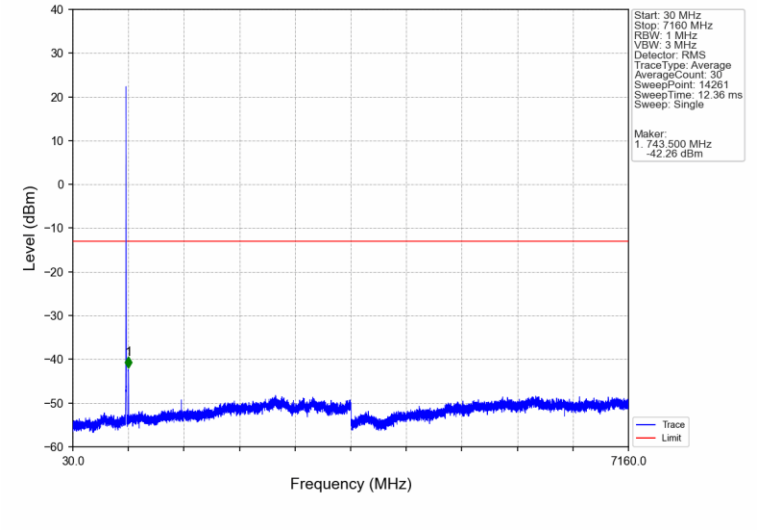
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



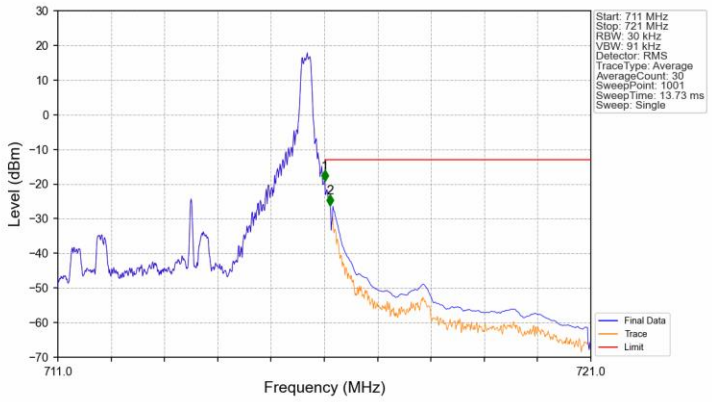
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

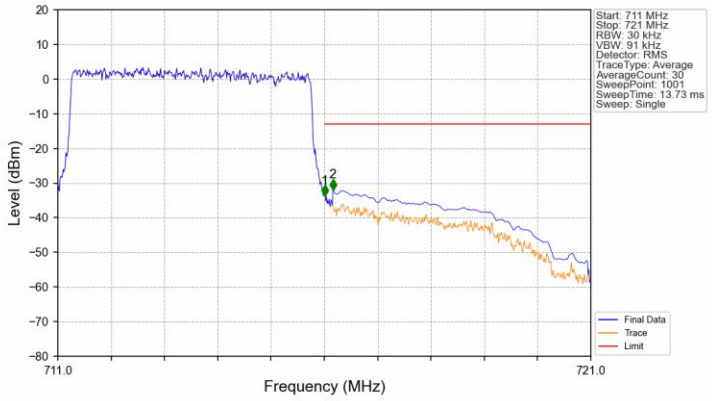


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



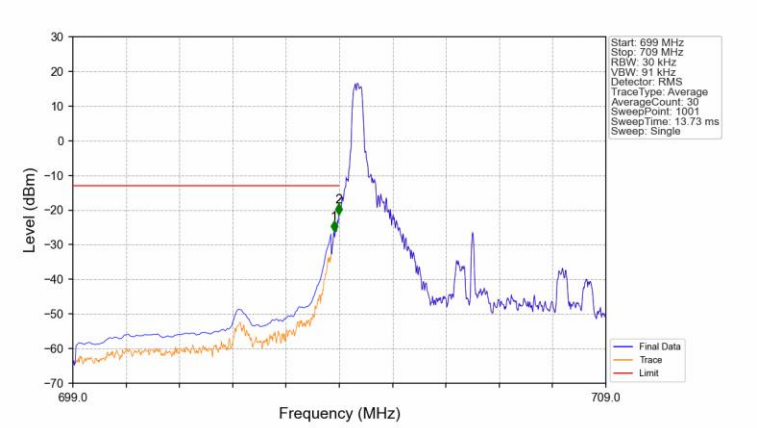
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-19.20	-13	Pass
716.1	721	0.1	CHP	2	716.110	-26.24	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



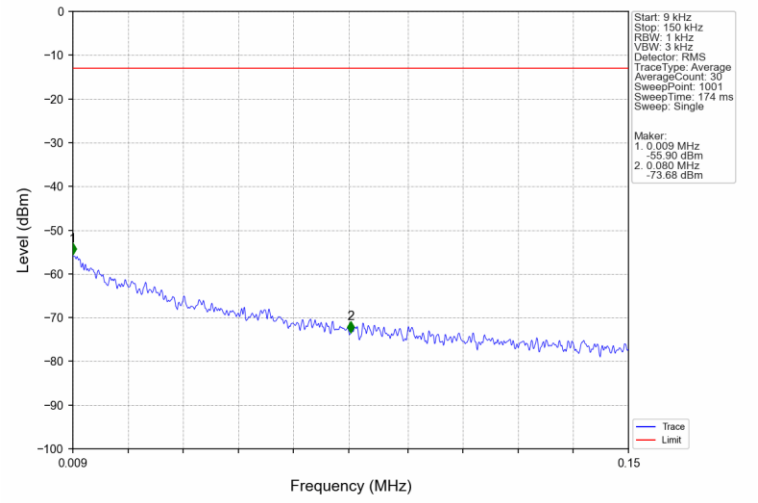
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-33.60	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.95	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

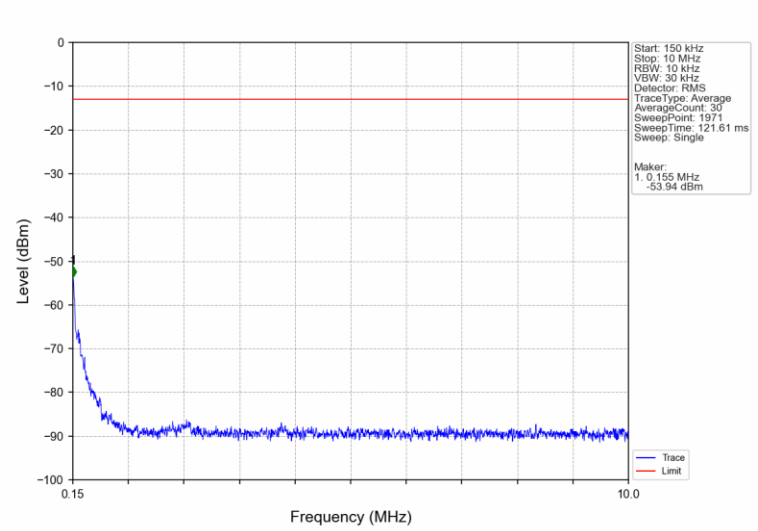


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.900	-26.16	-13	Pass
703.9	704	0.03	/	2	703.990	-21.39	-13	Pass
704	709	0.03	/	/	/	/	/	/

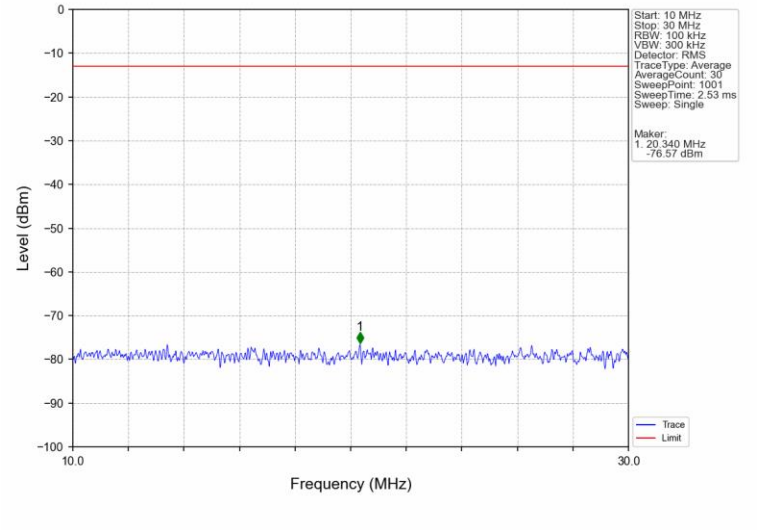
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



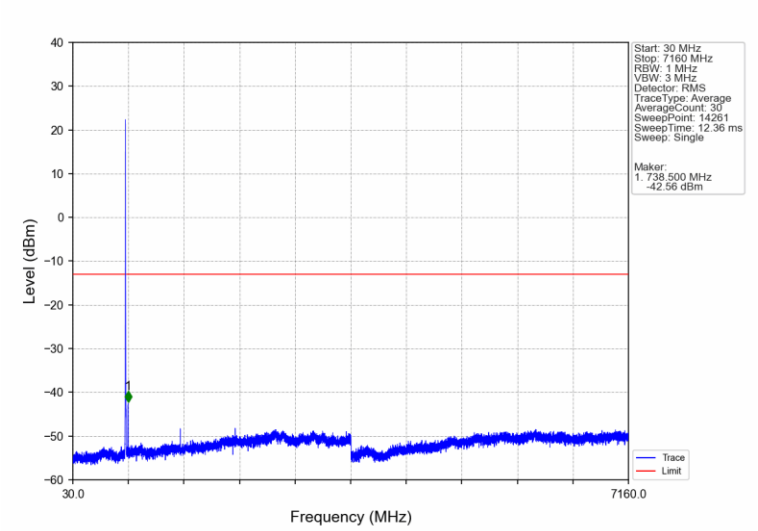
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



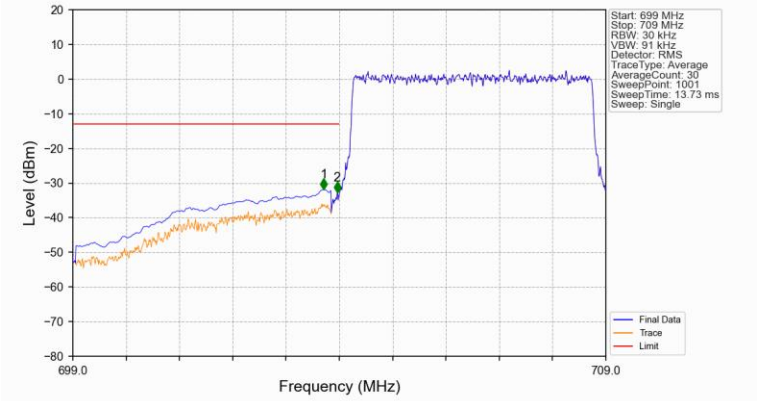
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

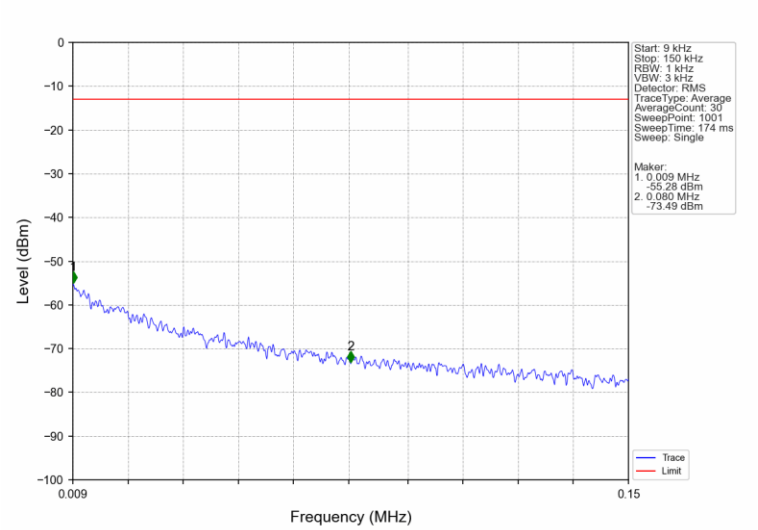


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

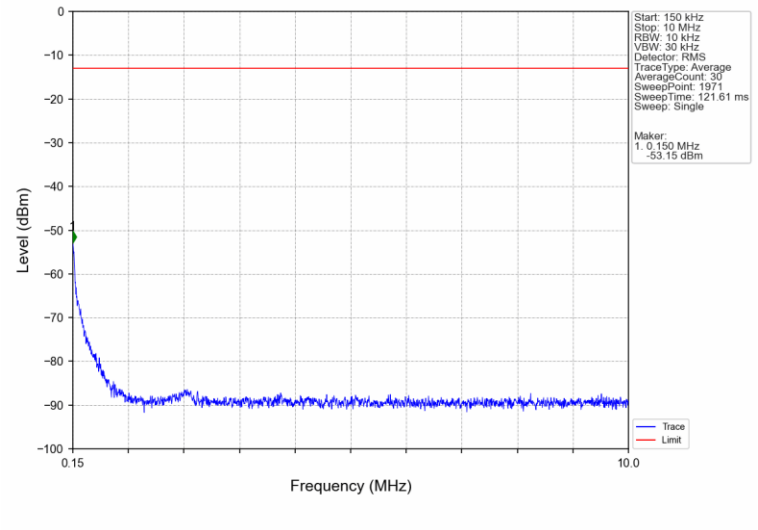


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.710	-31.89	-13	Pass
703.9	704	0.03	/	2	703.960	-32.73	-13	Pass
704	709	0.03	/	/	/	/	/	/

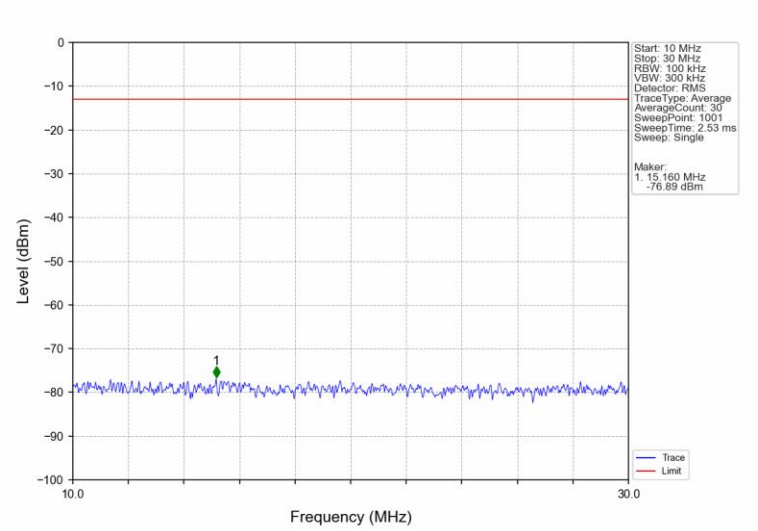
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



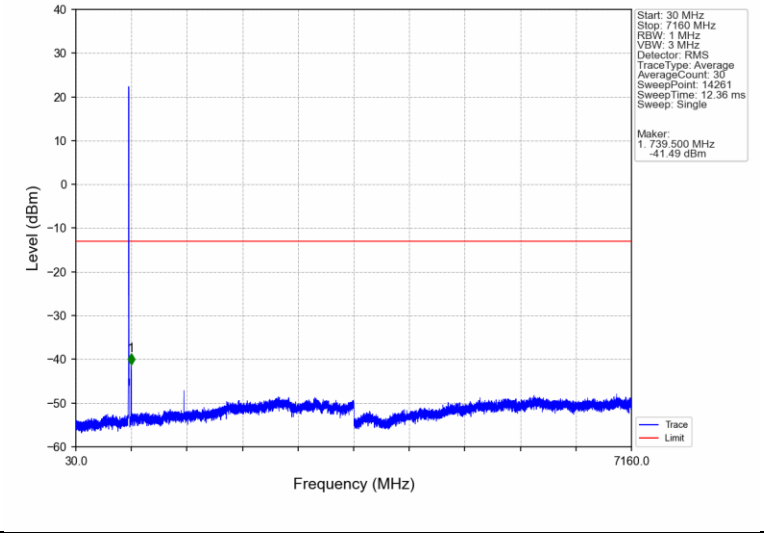
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



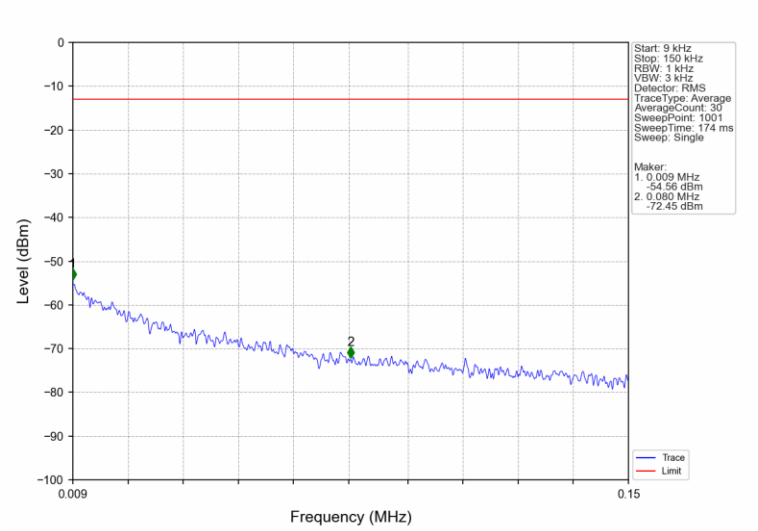
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



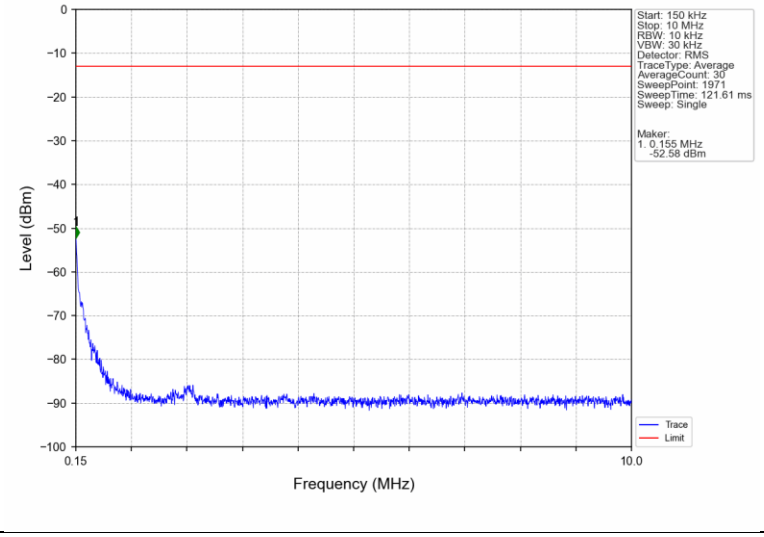
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



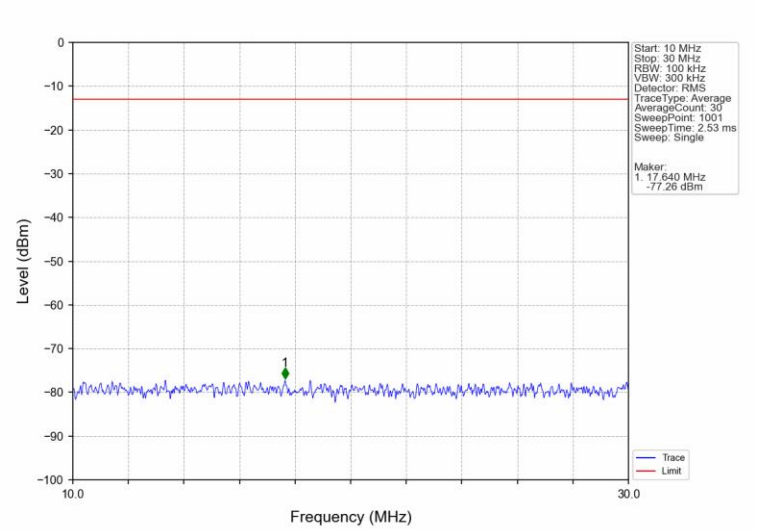
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



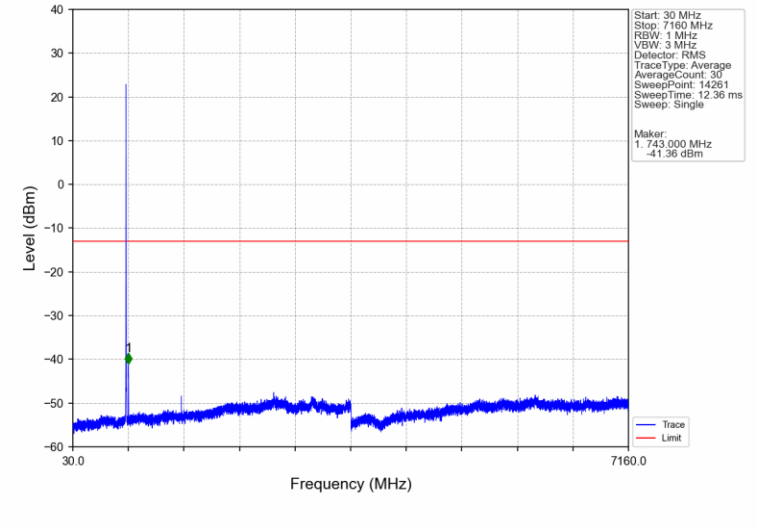
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



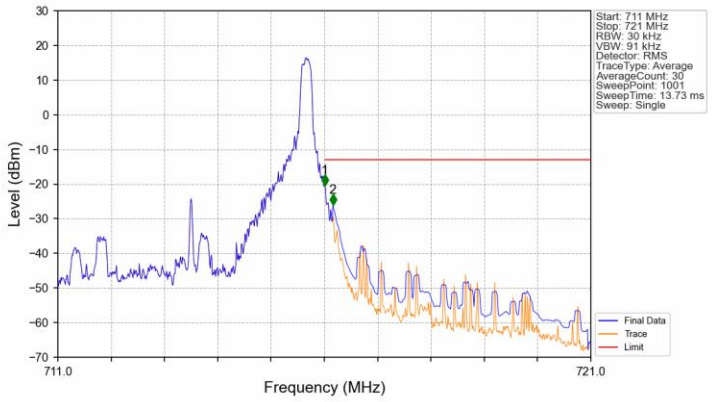
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

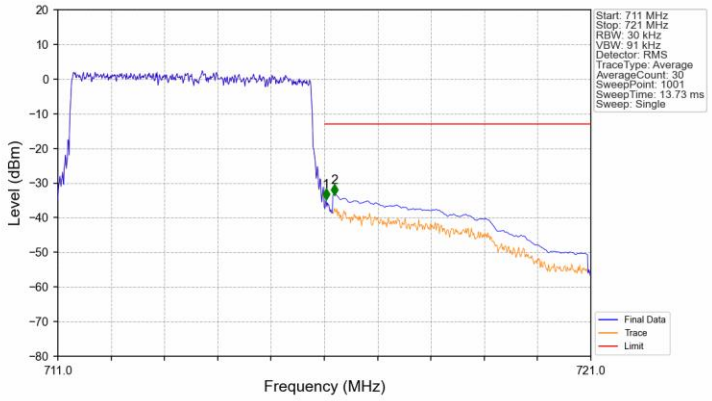


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-20.44	-13	Pass
716.1	721	0.1	CHP	2	716.160	-26.09	-13	Pass

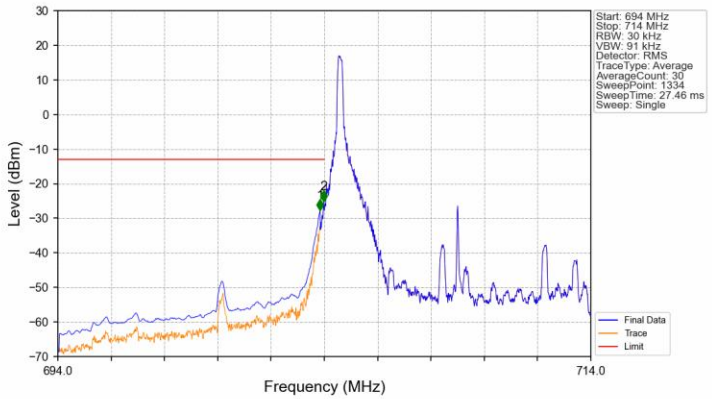
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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	-34.76	-13	Pass
716.1	721	0.1	CHP	2	716.190	-33.46	-13	Pass

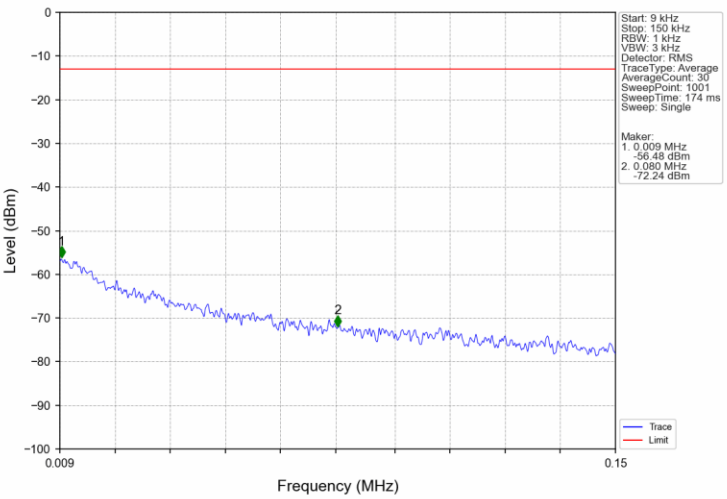
6.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

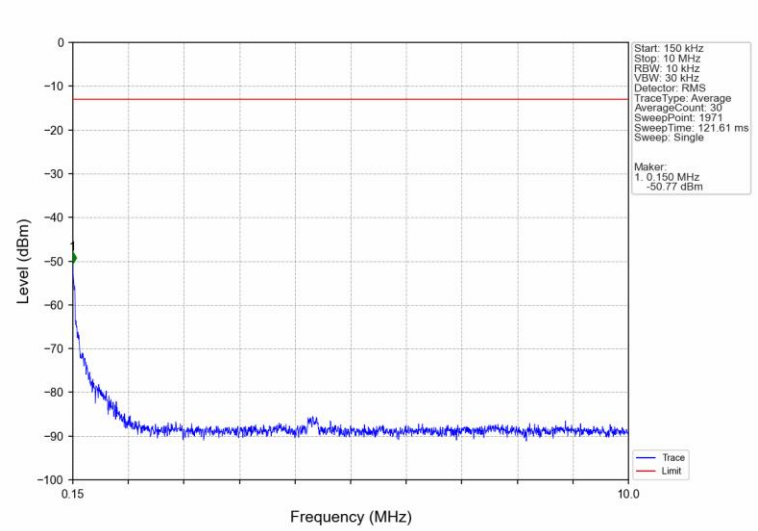


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-27.77	-13	Pass
703.9	704	0.03	/	2	703.977	-25.07	-13	Pass
704	714	0.03	/	/	/	/	/	/

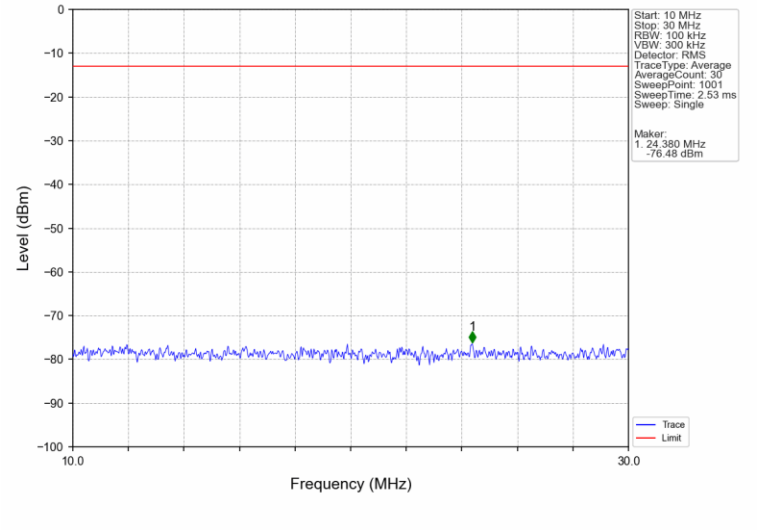
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



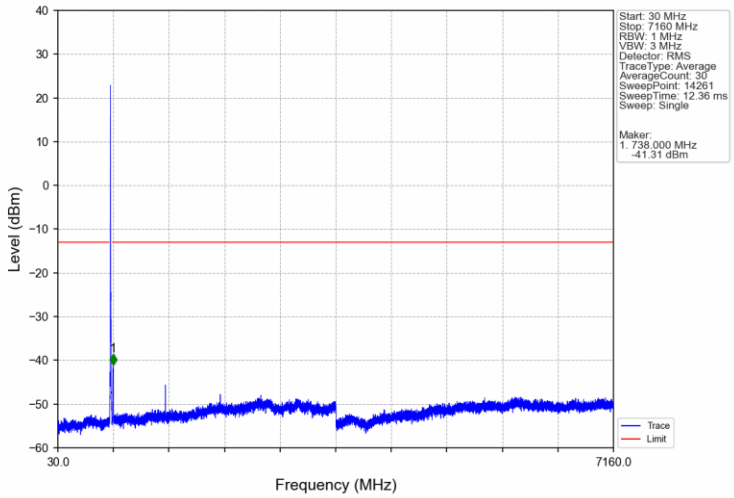
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



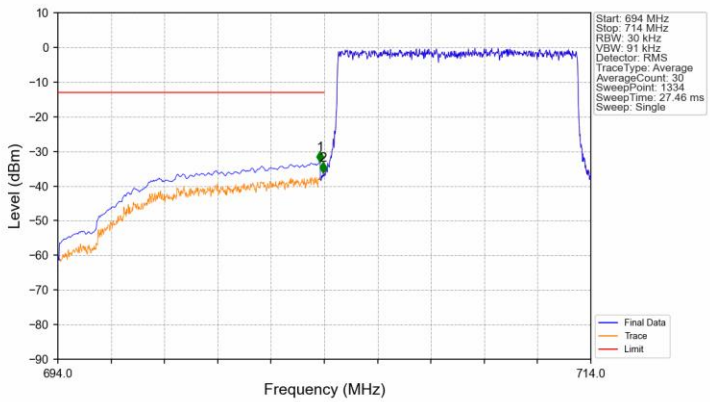
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

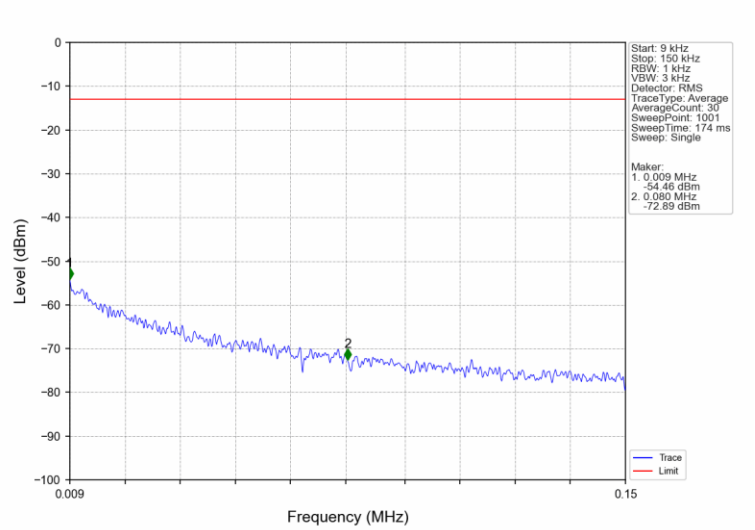


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

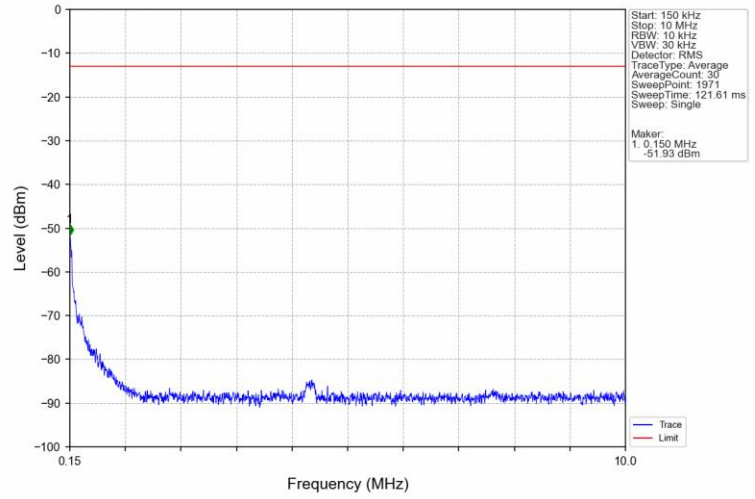


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-33.09	-13	Pass
703.9	704	0.03	/	2	703.962	-36.14	-13	Pass
704	714	0.03	/	/	/	/	/	/

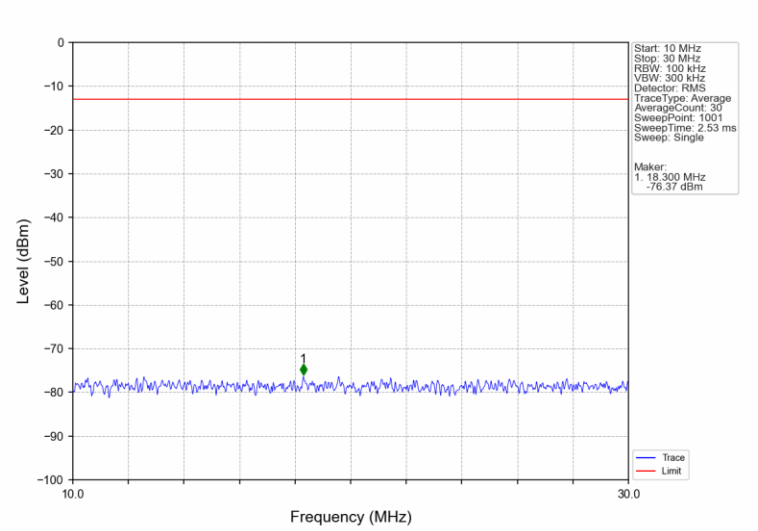
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



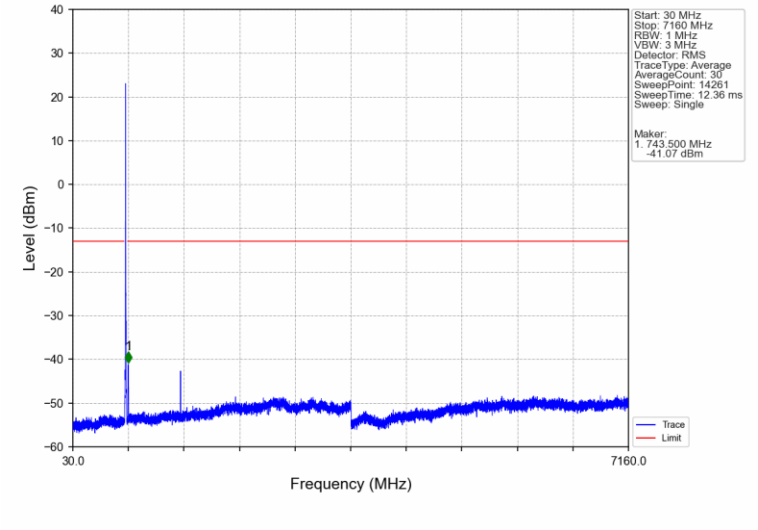
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



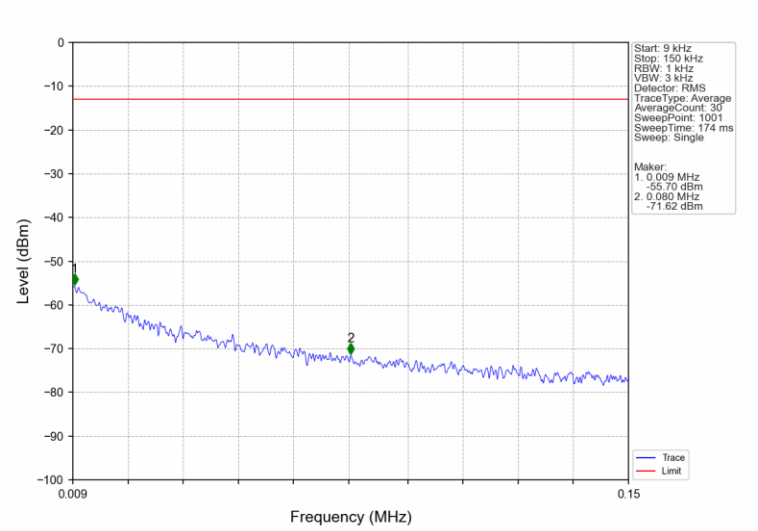
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



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