

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 / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	24.12	-11.18	10.79	<=34.77	Pass
			13	24.30	-11.18	10.97	<=34.77	Pass
			24	23.59	-11.18	10.26	<=34.77	Pass
		12	0	22.40	-11.18	9.07	<=34.77	Pass
			6	22.41	-11.18	9.08	<=34.77	Pass
			13	22.47	-11.18	9.14	<=34.77	Pass
		25	0	22.44	-11.18	9.11	<=34.77	Pass
	710	1	0	23.46	-11.18	10.13	<=34.77	Pass
			13	23.44	-11.18	10.11	<=34.77	Pass
			24	23.63	-11.18	10.30	<=34.77	Pass
		12	0	22.45	-11.18	9.12	<=34.77	Pass
			6	22.47	-11.18	9.14	<=34.77	Pass
			13	22.49	-11.18	9.16	<=34.77	Pass
		25	0	22.43	-11.18	9.10	<=34.77	Pass
	713.5	1	0	23.74	-11.18	10.41	<=34.77	Pass
			13	23.74	-11.18	10.41	<=34.77	Pass
			24	23.88	-11.18	10.55	<=34.77	Pass
		12	0	22.63	-11.18	9.30	<=34.77	Pass
			6	22.55	-11.18	9.22	<=34.77	Pass
			13	22.56	-11.18	9.23	<=34.77	Pass
		25	0	22.60	-11.18	9.27	<=34.77	Pass
16QAM	706.5	1	0	22.48	-11.18	9.15	<=34.77	Pass
			13	22.49	-11.18	9.16	<=34.77	Pass
			24	22.63	-11.18	9.30	<=34.77	Pass
		12	0	21.34	-11.18	8.01	<=34.77	Pass
			6	21.38	-11.18	8.05	<=34.77	Pass
			13	21.41	-11.18	8.08	<=34.77	Pass
		25	0	21.45	-11.18	8.12	<=34.77	Pass
	710	1	0	22.76	-11.18	9.43	<=34.77	Pass
			13	22.72	-11.18	9.39	<=34.77	Pass
			24	22.88	-11.18	9.55	<=34.77	Pass
		12	0	21.49	-11.18	8.16	<=34.77	Pass
			6	21.49	-11.18	8.16	<=34.77	Pass
			13	21.46	-11.18	8.13	<=34.77	Pass
		25	0	21.42	-11.18	8.09	<=34.77	Pass
	713.5	1	0	22.44	-11.18	9.11	<=34.77	Pass
			13	22.40	-11.18	9.07	<=34.77	Pass
			24	22.54	-11.18	9.21	<=34.77	Pass
		12	0	21.62	-11.18	8.29	<=34.77	Pass
			6	21.56	-11.18	8.23	<=34.77	Pass
			13	21.57	-11.18	8.24	<=34.77	Pass
		25	0	21.65	-11.18	8.32	<=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	23.32	-11.18	9.99	<=34.77	Pass
			25	23.54	-11.18	10.21	<=34.77	Pass
			49	23.63	-11.18	10.30	<=34.77	Pass
		25	0	22.40	-11.18	9.07	<=34.77	Pass
			13	22.50	-11.18	9.17	<=34.77	Pass
			25	22.42	-11.18	9.09	<=34.77	Pass
		50	0	22.44	-11.18	9.11	<=34.77	Pass
	710	1	0	23.38	-11.18	10.05	<=34.77	Pass
			25	23.54	-11.18	10.21	<=34.77	Pass
			49	23.58	-11.18	10.25	<=34.77	Pass
		25	0	22.40	-11.18	9.07	<=34.77	Pass
			13	22.49	-11.18	9.16	<=34.77	Pass
			25	22.46	-11.18	9.13	<=34.77	Pass
		50	0	22.43	-11.18	9.10	<=34.77	Pass
	711	1	0	23.47	-11.18	10.14	<=34.77	Pass
			25	23.56	-11.18	10.23	<=34.77	Pass
			49	23.73	-11.18	10.40	<=34.77	Pass
		25	0	22.47	-11.18	9.14	<=34.77	Pass
			13	22.56	-11.18	9.23	<=34.77	Pass
			25	22.53	-11.18	9.20	<=34.77	Pass
		50	0	22.53	-11.18	9.20	<=34.77	Pass
16QAM	709	1	0	22.38	-11.18	9.05	<=34.77	Pass
			25	22.56	-11.18	9.23	<=34.77	Pass
			49	22.64	-11.18	9.31	<=34.77	Pass
		25	0	21.47	-11.18	8.14	<=34.77	Pass
			13	21.58	-11.18	8.25	<=34.77	Pass
			25	21.52	-11.18	8.19	<=34.77	Pass
		50	0	21.41	-11.18	8.08	<=34.77	Pass
	710	1	0	22.60	-11.18	9.27	<=34.77	Pass
			25	22.74	-11.18	9.41	<=34.77	Pass
			49	22.83	-11.18	9.50	<=34.77	Pass
		25	0	21.45	-11.18	8.12	<=34.77	Pass
			13	21.49	-11.18	8.16	<=34.77	Pass
			25	21.44	-11.18	8.11	<=34.77	Pass
		50	0	21.42	-11.18	8.09	<=34.77	Pass
	711	1	0	22.98	-11.18	9.65	<=34.77	Pass
			25	23.04	-11.18	9.71	<=34.77	Pass
			49	23.13	-11.18	9.80	<=34.77	Pass
		25	0	21.52	-11.18	8.19	<=34.77	Pass
			13	21.61	-11.18	8.28	<=34.77	Pass
			25	21.58	-11.18	8.25	<=34.77	Pass
		50	0	21.52	-11.18	8.19	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	LV	-2.289	-0.0032	-2.5 to 2.5	Pass
					NV	-4.120	-0.0058	-2.5 to 2.5	Pass
					HV	-2.890	-0.0041	-2.5 to 2.5	Pass
				-30	NV	-4.935	-0.0070	-2.5 to 2.5	Pass
				-20	NV	-5.836	-0.0083	-2.5 to 2.5	Pass
				-10	NV	-6.738	-0.0095	-2.5 to 2.5	Pass
				0	NV	-4.249	-0.0060	-2.5 to 2.5	Pass
				10	NV	-3.147	-0.0045	-2.5 to 2.5	Pass
				30	NV	-0.887	-0.0013	-2.5 to 2.5	Pass
				40	NV	-1.717	-0.0024	-2.5 to 2.5	Pass
				50	NV	-2.074	-0.0029	-2.5 to 2.5	Pass
	710	25	0	20	LV	-4.406	-0.0062	-2.5 to 2.5	Pass
					NV	-2.904	-0.0041	-2.5 to 2.5	Pass
					HV	-2.446	-0.0034	-2.5 to 2.5	Pass
				-30	NV	-2.561	-0.0036	-2.5 to 2.5	Pass
				-20	NV	-1.988	-0.0028	-2.5 to 2.5	Pass
				-10	NV	-2.503	-0.0035	-2.5 to 2.5	Pass
				0	NV	-2.904	-0.0041	-2.5 to 2.5	Pass
				10	NV	-4.435	-0.0062	-2.5 to 2.5	Pass
				30	NV	-0.501	-0.0007	-2.5 to 2.5	Pass
				40	NV	-4.077	-0.0057	-2.5 to 2.5	Pass
				50	NV	-3.791	-0.0053	-2.5 to 2.5	Pass
	713.5	25	0	20	LV	-3.247	-0.0046	-2.5 to 2.5	Pass
					NV	2.360	0.0033	-2.5 to 2.5	Pass
					HV	-4.077	-0.0057	-2.5 to 2.5	Pass
				-30	NV	-1.173	-0.0016	-2.5 to 2.5	Pass
				-20	NV	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	NV	-2.933	-0.0041	-2.5 to 2.5	Pass
				0	NV	-4.950	-0.0069	-2.5 to 2.5	Pass
				10	NV	-0.658	-0.0009	-2.5 to 2.5	Pass
				30	NV	-7.067	-0.0099	-2.5 to 2.5	Pass
				40	NV	-2.131	-0.0030	-2.5 to 2.5	Pass
				50	NV	-2.217	-0.0031	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	LV	-1.001	-0.0014	-2.5 to 2.5	Pass
					NV	-3.190	-0.0045	-2.5 to 2.5	Pass
					HV	-1.402	-0.0020	-2.5 to 2.5	Pass
				-30	NV	0.987	0.0014	-2.5 to 2.5	Pass
				-20	NV	-2.704	-0.0038	-2.5 to 2.5	Pass
				-10	NV	-2.546	-0.0036	-2.5 to 2.5	Pass
				0	NV	-2.503	-0.0035	-2.5 to 2.5	Pass
				10	NV	-4.692	-0.0066	-2.5 to 2.5	Pass
				30	NV	-3.390	-0.0048	-2.5 to 2.5	Pass
				40	NV	-3.505	-0.0050	-2.5 to 2.5	Pass
				50	NV	-3.605	-0.0051	-2.5 to 2.5	Pass
	710	25	0	20	LV	-1.416	-0.0020	-2.5 to 2.5	Pass
					NV	-2.089	-0.0029	-2.5 to 2.5	Pass
					HV	-4.106	-0.0058	-2.5 to 2.5	Pass
				-30	NV	-5.450	-0.0077	-2.5 to 2.5	Pass
				-20	NV	-2.646	-0.0037	-2.5 to 2.5	Pass
				-10	NV	-2.503	-0.0035	-2.5 to 2.5	Pass

				0	NV	-6.495	-0.0091	-2.5 to 2.5	Pass
				10	NV	-5.507	-0.0078	-2.5 to 2.5	Pass
				30	NV	-3.891	-0.0055	-2.5 to 2.5	Pass
				40	NV	-5.093	-0.0072	-2.5 to 2.5	Pass
				50	NV	-5.150	-0.0073	-2.5 to 2.5	Pass
	713.5	25	0	20	LV	-1.574	-0.0022	-2.5 to 2.5	Pass
					NV	-0.315	-0.0004	-2.5 to 2.5	Pass
					HV	-1.860	-0.0026	-2.5 to 2.5	Pass
				-30	NV	-2.246	-0.0031	-2.5 to 2.5	Pass
				-20	NV	-2.360	-0.0033	-2.5 to 2.5	Pass
				-10	NV	-2.375	-0.0033	-2.5 to 2.5	Pass
				0	NV	-2.718	-0.0038	-2.5 to 2.5	Pass
				10	NV	-5.493	-0.0077	-2.5 to 2.5	Pass
				30	NV	-2.747	-0.0039	-2.5 to 2.5	Pass
				40	NV	-3.805	-0.0053	-2.5 to 2.5	Pass
				50	NV	-6.237	-0.0087	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	LV	-3.791	-0.0053	-2.5 to 2.5	Pass
					NV	-6.452	-0.0091	-2.5 to 2.5	Pass
					HV	-2.704	-0.0038	-2.5 to 2.5	Pass
				-30	NV	-4.821	-0.0068	-2.5 to 2.5	Pass
				-20	NV	-1.802	-0.0025	-2.5 to 2.5	Pass
				-10	NV	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	NV	-3.662	-0.0052	-2.5 to 2.5	Pass
				10	NV	-3.247	-0.0046	-2.5 to 2.5	Pass
				30	NV	-3.390	-0.0048	-2.5 to 2.5	Pass
				40	NV	-4.821	-0.0068	-2.5 to 2.5	Pass
	710	50	0	50	NV	-2.675	-0.0038	-2.5 to 2.5	Pass
				20	LV	-4.921	-0.0069	-2.5 to 2.5	Pass
					NV	-2.375	-0.0033	-2.5 to 2.5	Pass
					HV	-1.688	-0.0024	-2.5 to 2.5	Pass
				-30	NV	-3.362	-0.0047	-2.5 to 2.5	Pass
				-20	NV	-4.077	-0.0057	-2.5 to 2.5	Pass
				-10	NV	-2.489	-0.0035	-2.5 to 2.5	Pass
				0	NV	-3.834	-0.0054	-2.5 to 2.5	Pass
				10	NV	-4.163	-0.0059	-2.5 to 2.5	Pass
				30	NV	-2.875	-0.0040	-2.5 to 2.5	Pass
				40	NV	-2.961	-0.0042	-2.5 to 2.5	Pass
	711	50	0	50	NV	-2.518	-0.0035	-2.5 to 2.5	Pass
				20	LV	0.558	0.0008	-2.5 to 2.5	Pass
					NV	-3.533	-0.0050	-2.5 to 2.5	Pass
					HV	-1.702	-0.0024	-2.5 to 2.5	Pass
				-30	NV	-3.390	-0.0048	-2.5 to 2.5	Pass
				-20	NV	-4.392	-0.0062	-2.5 to 2.5	Pass
				-10	NV	-2.418	-0.0034	-2.5 to 2.5	Pass
				0	NV	-2.232	-0.0031	-2.5 to 2.5	Pass
				10	NV	-2.432	-0.0034	-2.5 to 2.5	Pass
				30	NV	-2.317	-0.0033	-2.5 to 2.5	Pass
				40	NV	-5.264	-0.0074	-2.5 to 2.5	Pass
16QAM	709	50	0	20	NV	-2.789	-0.0039	-2.5 to 2.5	Pass
					LV	-5.651	-0.0080	-2.5 to 2.5	Pass
					HV	-3.562	-0.0050	-2.5 to 2.5	Pass

				-30	NV	-2.103	-0.0030	-2.5 to 2.5	Pass
				-20	NV	-3.133	-0.0044	-2.5 to 2.5	Pass
				-10	NV	-5.007	-0.0071	-2.5 to 2.5	Pass
				0	NV	-5.522	-0.0078	-2.5 to 2.5	Pass
				10	NV	-1.945	-0.0027	-2.5 to 2.5	Pass
				30	NV	-4.578	-0.0065	-2.5 to 2.5	Pass
				40	NV	-1.888	-0.0027	-2.5 to 2.5	Pass
				50	NV	-2.375	-0.0033	-2.5 to 2.5	Pass
	710	50	0	20	LV	-4.005	-0.0056	-2.5 to 2.5	Pass
					NV	-0.873	-0.0012	-2.5 to 2.5	Pass
					HV	-4.048	-0.0057	-2.5 to 2.5	Pass
				-30	NV	-1.760	-0.0025	-2.5 to 2.5	Pass
				-20	NV	-2.832	-0.0040	-2.5 to 2.5	Pass
				-10	NV	-3.862	-0.0054	-2.5 to 2.5	Pass
				0	NV	-2.818	-0.0040	-2.5 to 2.5	Pass
				10	NV	-3.705	-0.0052	-2.5 to 2.5	Pass
				30	NV	-3.705	-0.0052	-2.5 to 2.5	Pass
				40	NV	-3.533	-0.0050	-2.5 to 2.5	Pass
				50	NV	-3.247	-0.0046	-2.5 to 2.5	Pass
	711	50	0	20	LV	-2.975	-0.0042	-2.5 to 2.5	Pass
					NV	-0.887	-0.0012	-2.5 to 2.5	Pass
					HV	-3.691	-0.0052	-2.5 to 2.5	Pass
				-30	NV	-2.160	-0.0030	-2.5 to 2.5	Pass
				-20	NV	-3.161	-0.0044	-2.5 to 2.5	Pass
				-10	NV	-3.448	-0.0048	-2.5 to 2.5	Pass
				0	NV	-1.073	-0.0015	-2.5 to 2.5	Pass
				10	NV	-1.731	-0.0024	-2.5 to 2.5	Pass
				30	NV	-3.662	-0.0052	-2.5 to 2.5	Pass
				40	NV	-1.645	-0.0023	-2.5 to 2.5	Pass
				50	NV	-0.257	-0.0004	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

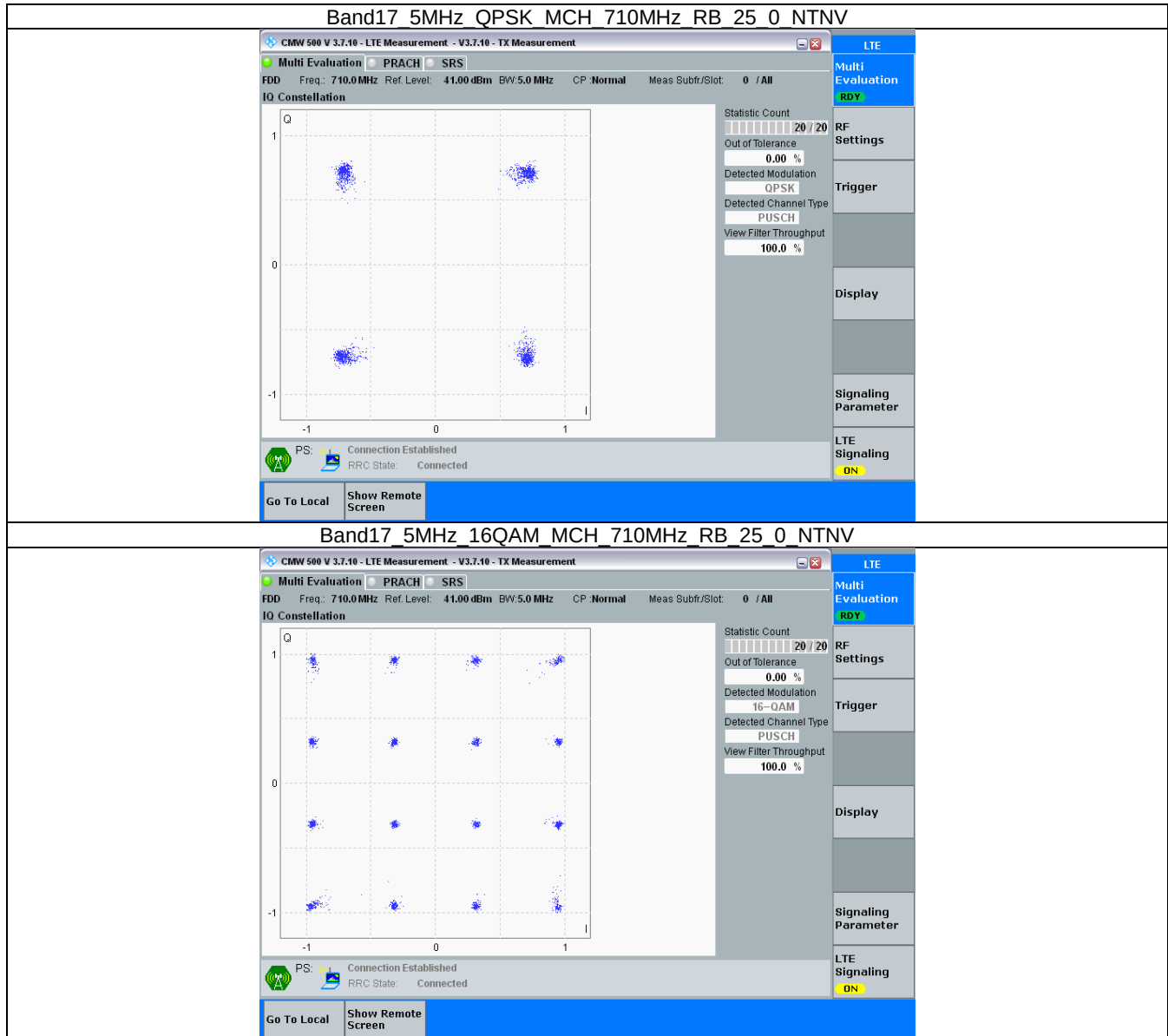
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

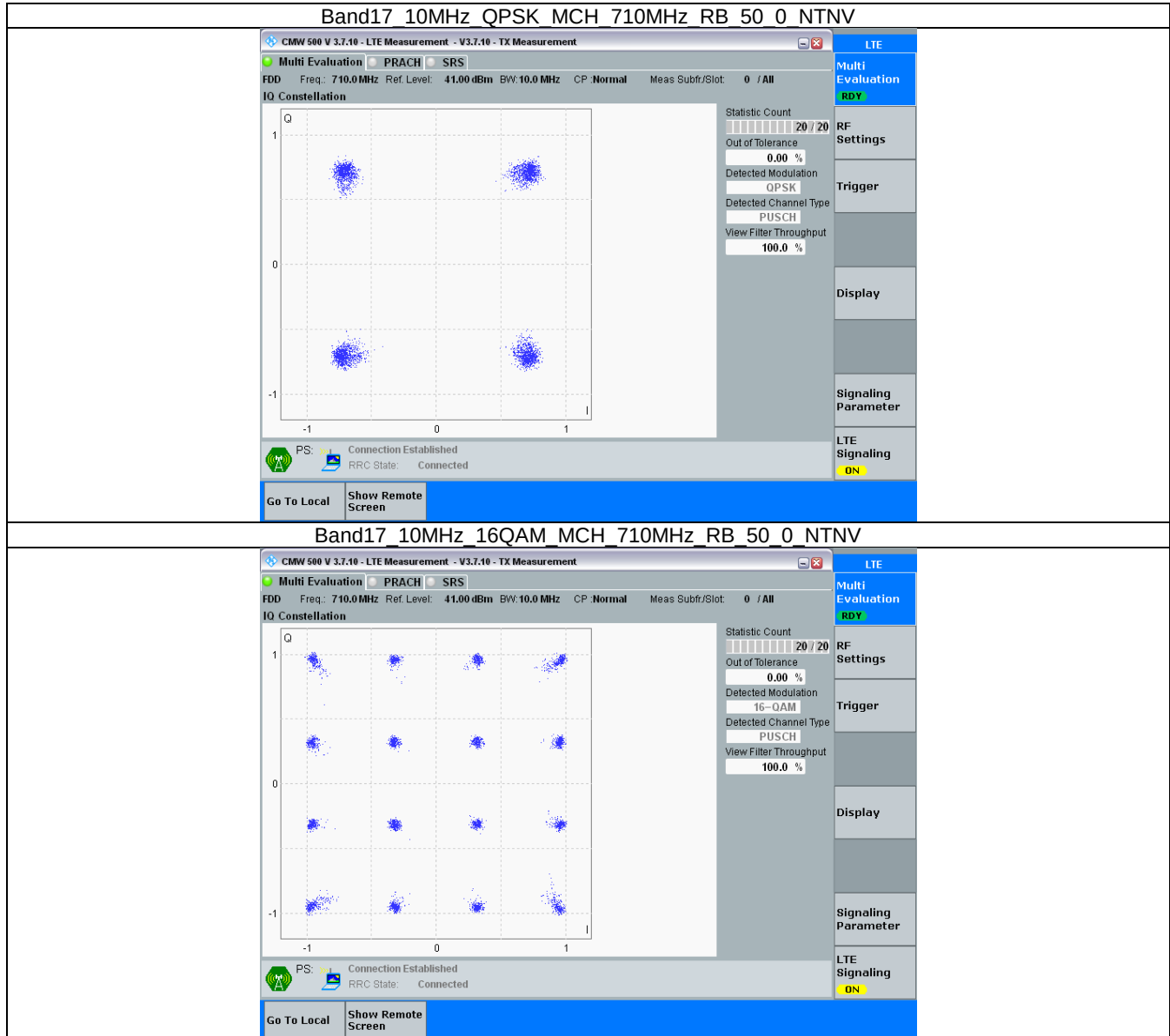
Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

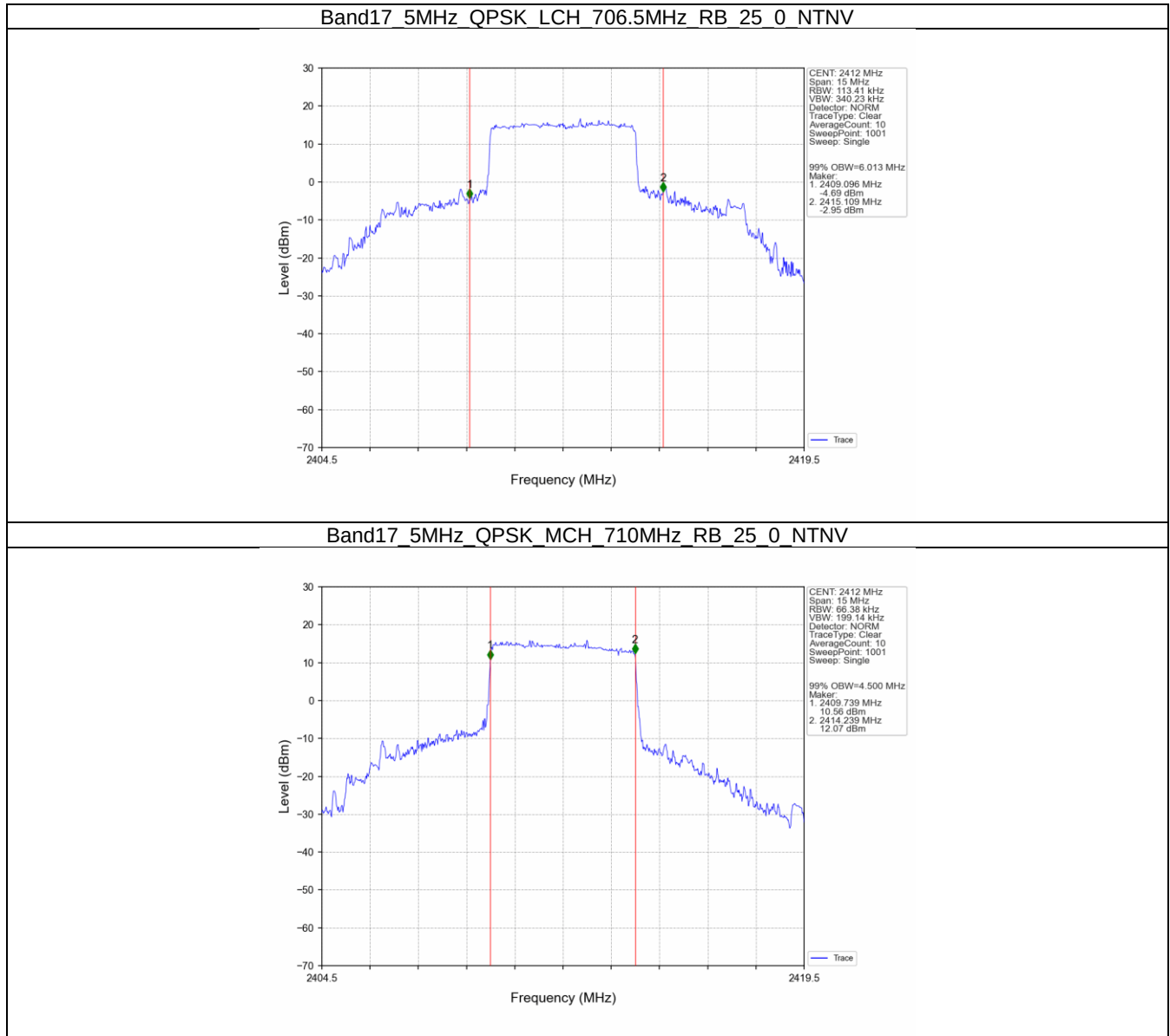
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	6.013	/	Pass
		710	25	0	4.500	/	Pass
		713.5	25	0	4.484	/	Pass
	16QAM	706.5	25	0	4.583	/	Pass
		710	25	0	4.476	/	Pass
		713.5	25	0	4.472	/	Pass
10	QPSK	709	50	0	9.037	/	Pass
		710	50	0	9.058	/	Pass
		711	50	0	9.060	/	Pass
	16QAM	709	50	0	9.011	/	Pass
		710	50	0	8.962	/	Pass
		711	50	0	8.969	/	Pass

4.1.2 Band17_XDB

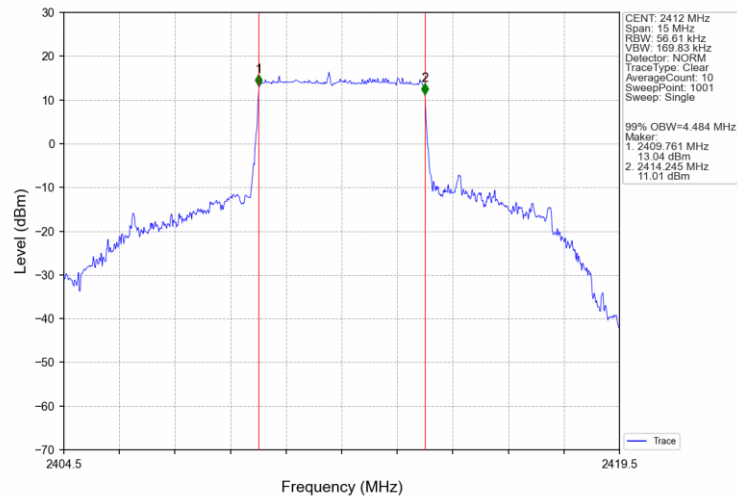
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	11.341	/	Pass
		710	25	0	6.638	/	Pass
		713.5	25	0	5.661	/	Pass
	16QAM	706.5	25	0	10.829	/	Pass
		710	25	0	4.812	/	Pass
		713.5	25	0	4.879	/	Pass
10	QPSK	709	50	0	14.196	/	Pass
		710	50	0	16.002	/	Pass
		711	50	0	17.586	/	Pass
	16QAM	709	50	0	13.340	/	Pass
		710	50	0	9.518	/	Pass
		711	50	0	9.621	/	Pass

4.2 Test Graph

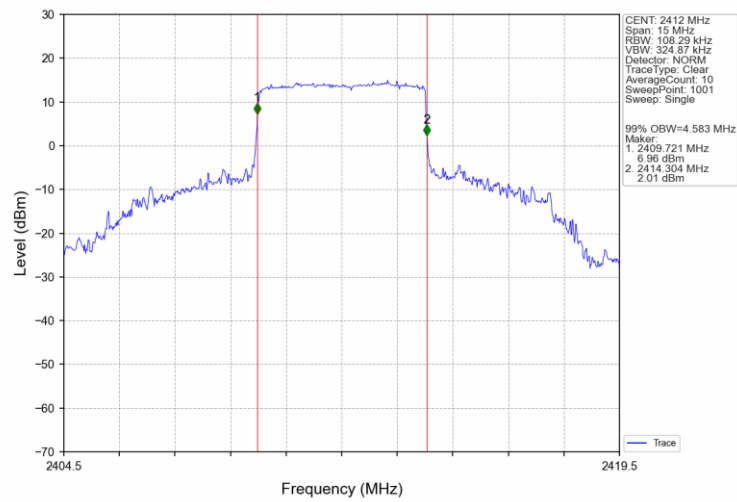
4.2.1 Band17_OBW



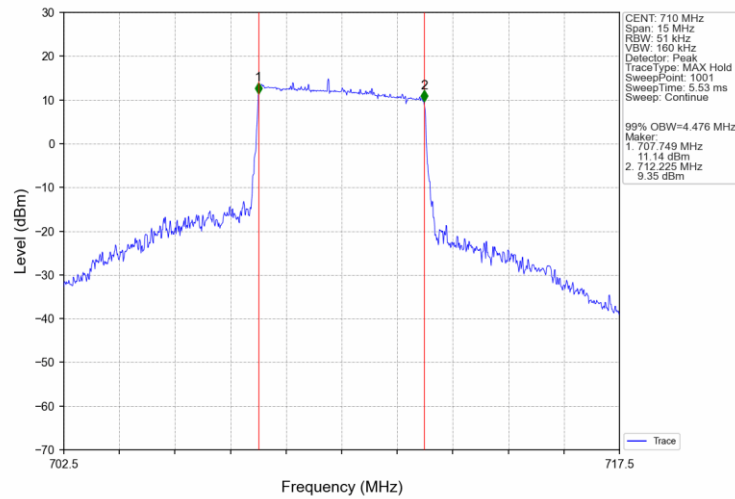
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



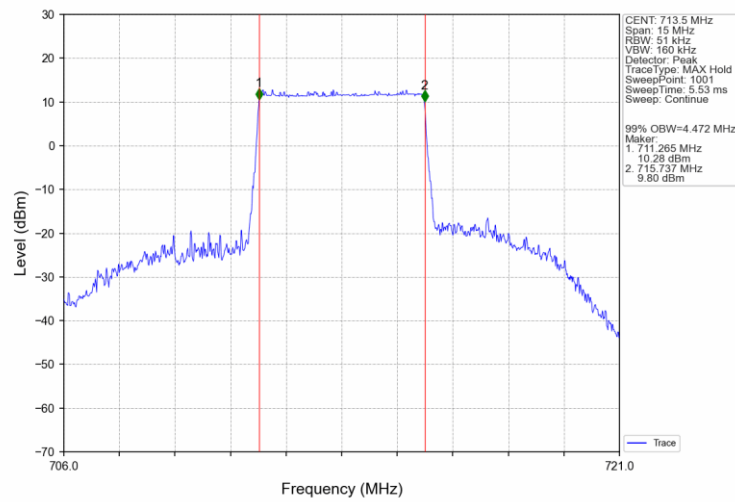
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



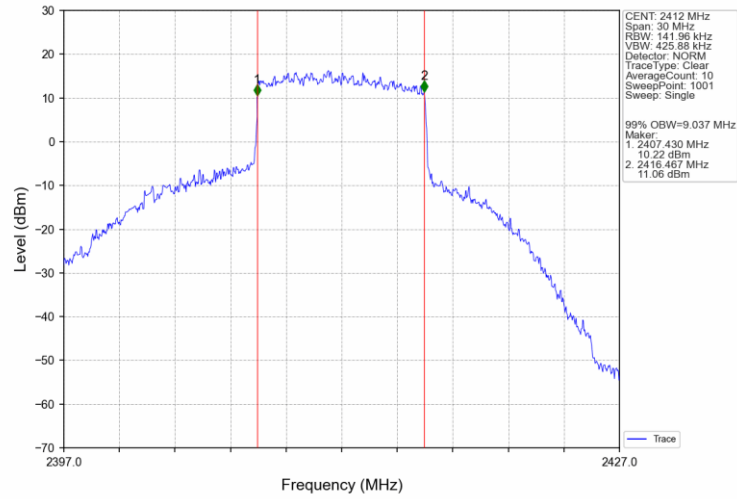
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



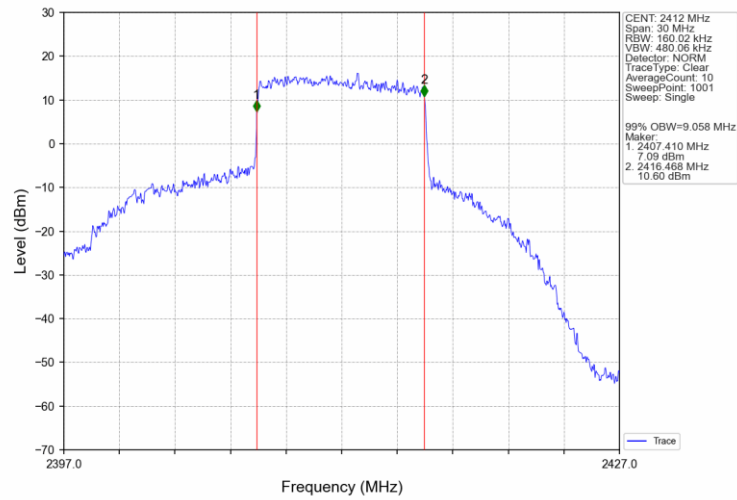
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



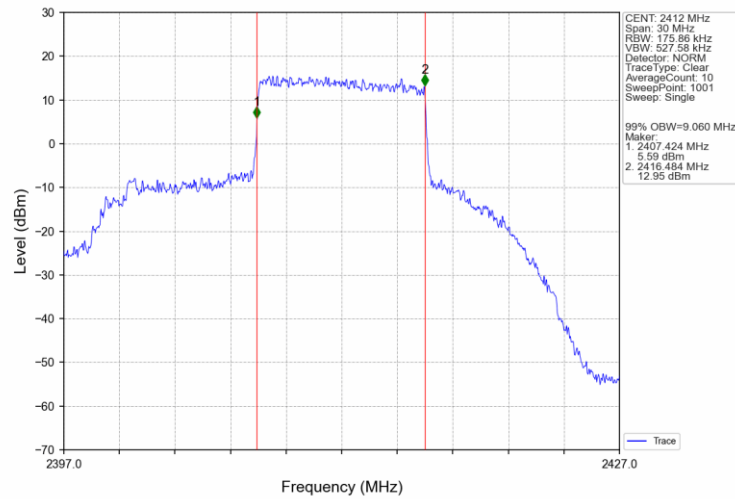
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN



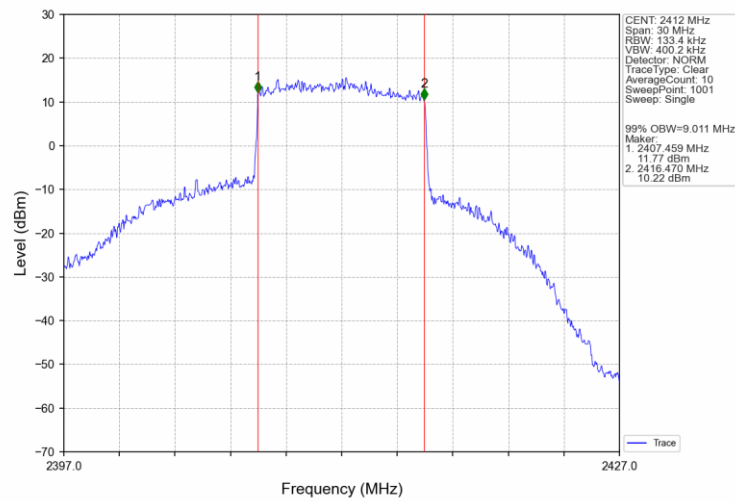
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN



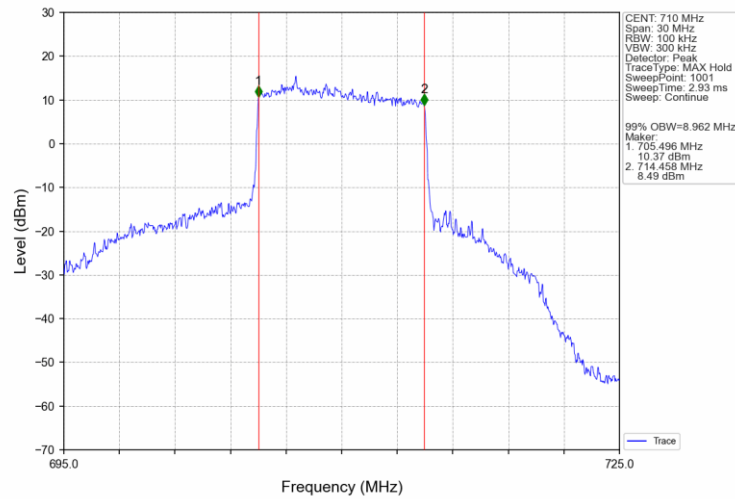
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



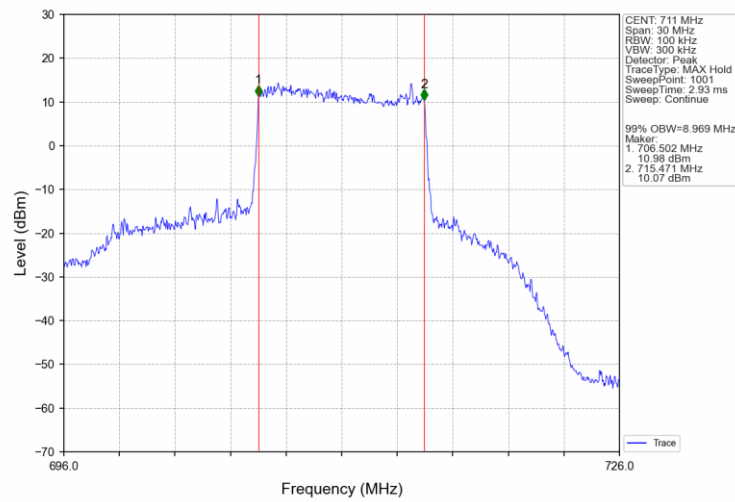
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV

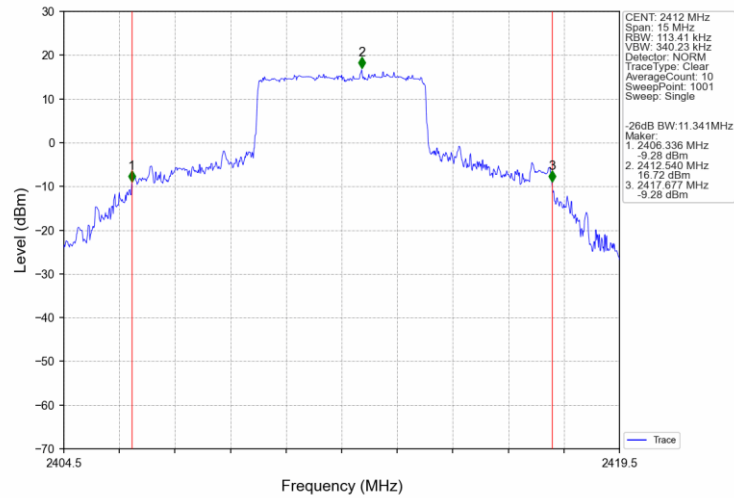


Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV

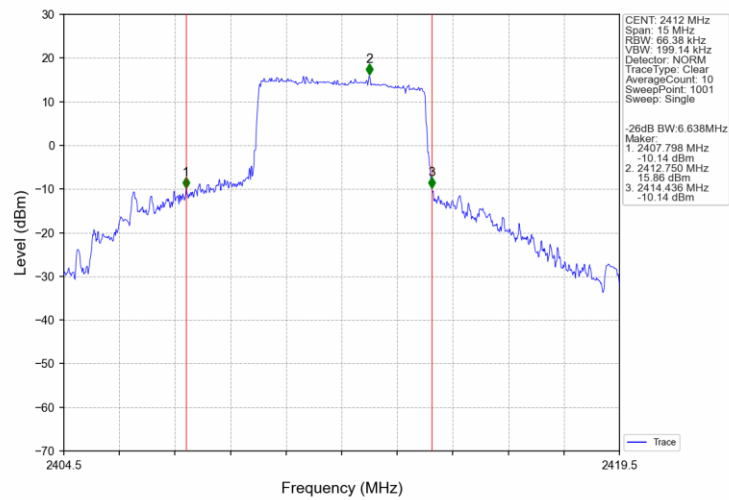


4.2.2 Band17_XDB

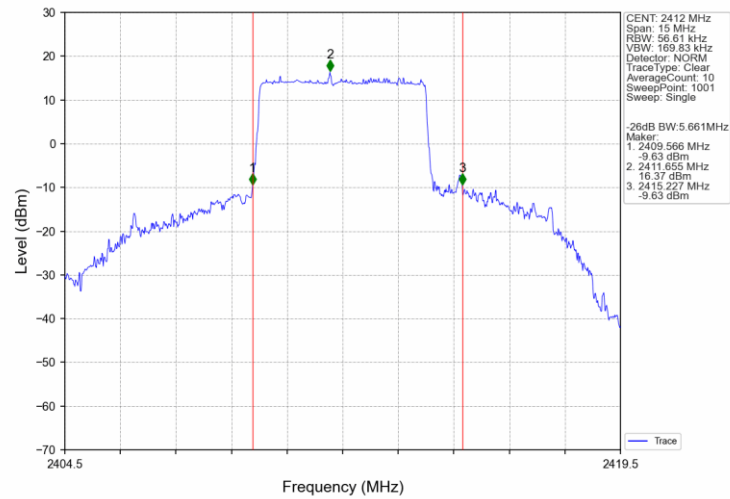
Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV



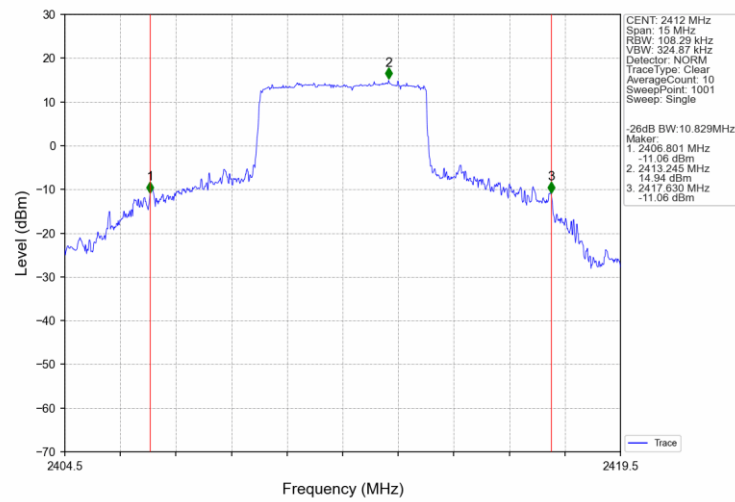
Band17 5MHz QPSK MCH 710MHz RB 25 0 NTNV



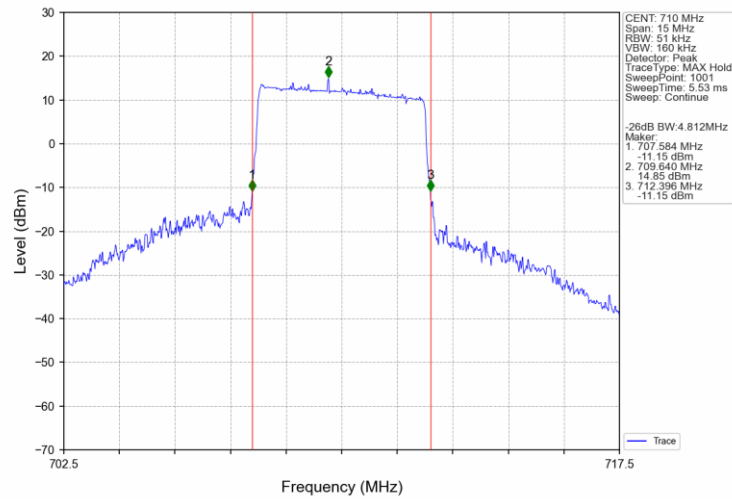
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



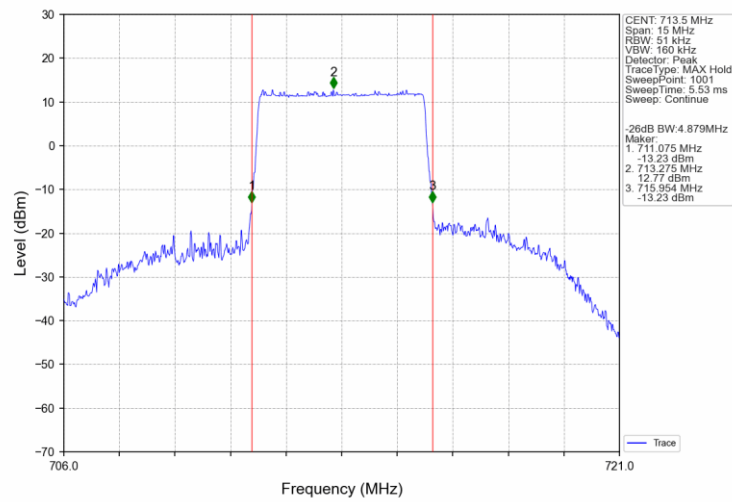
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



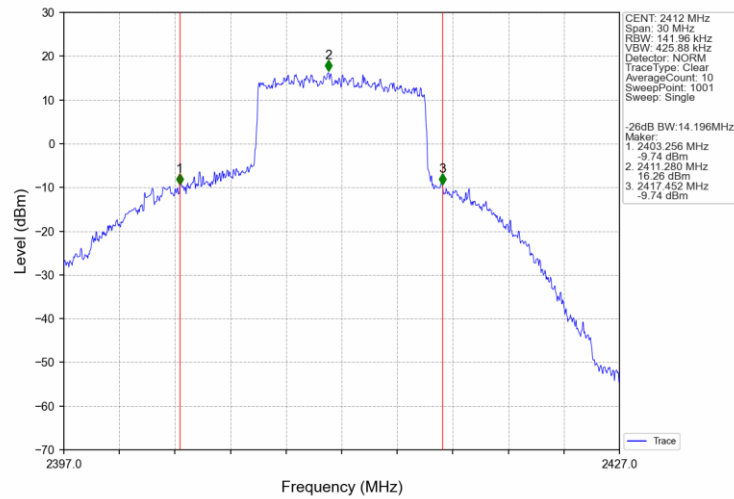
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



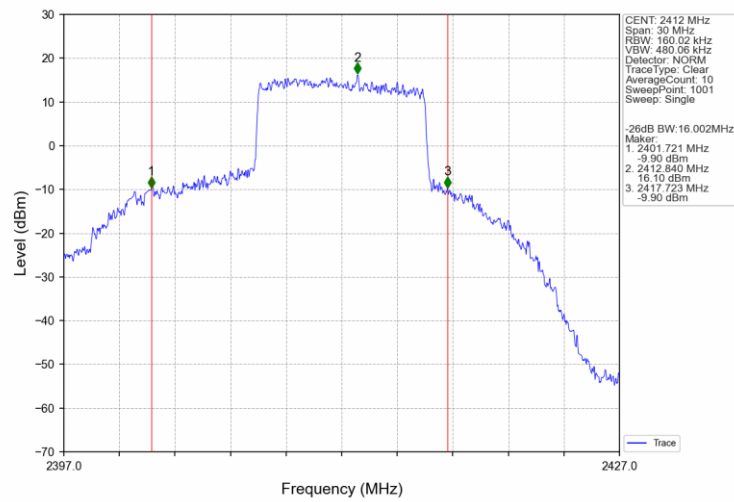
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



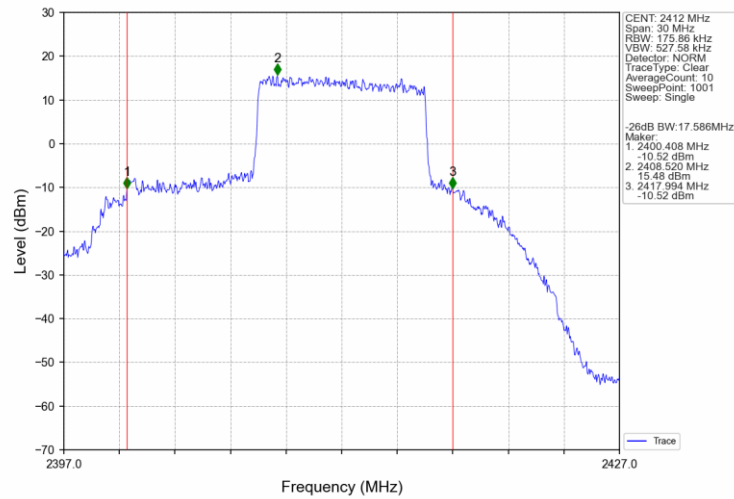
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN



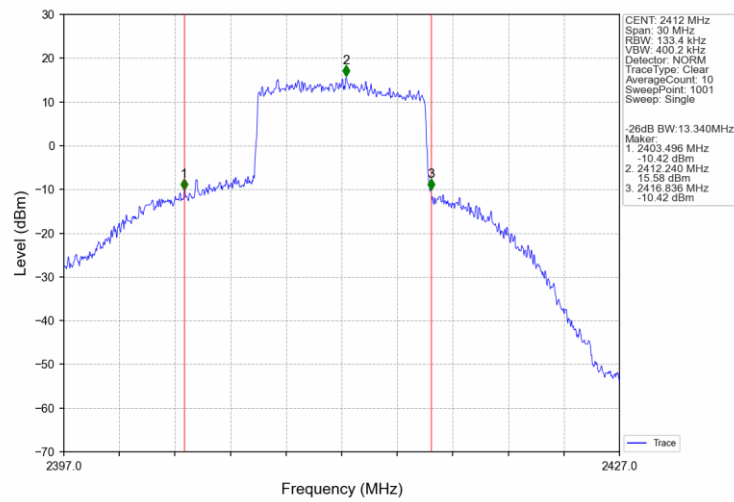
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN



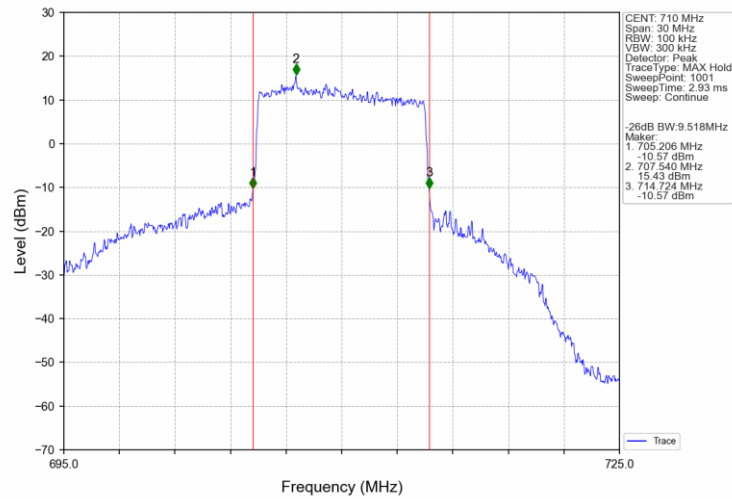
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



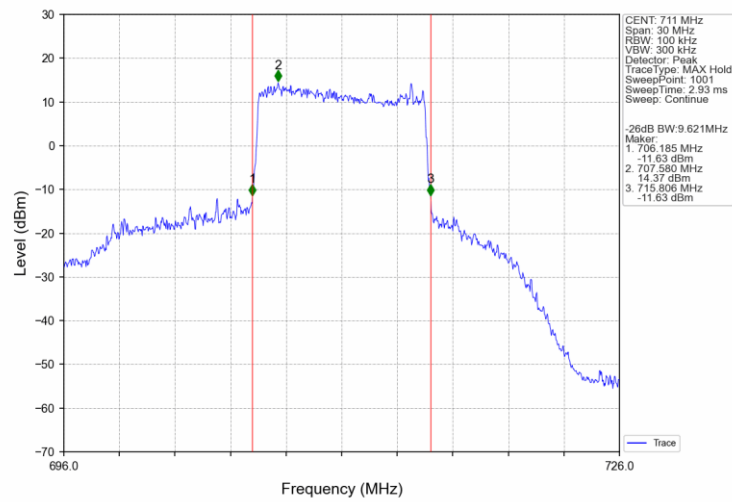
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTV



Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B17_5MHz

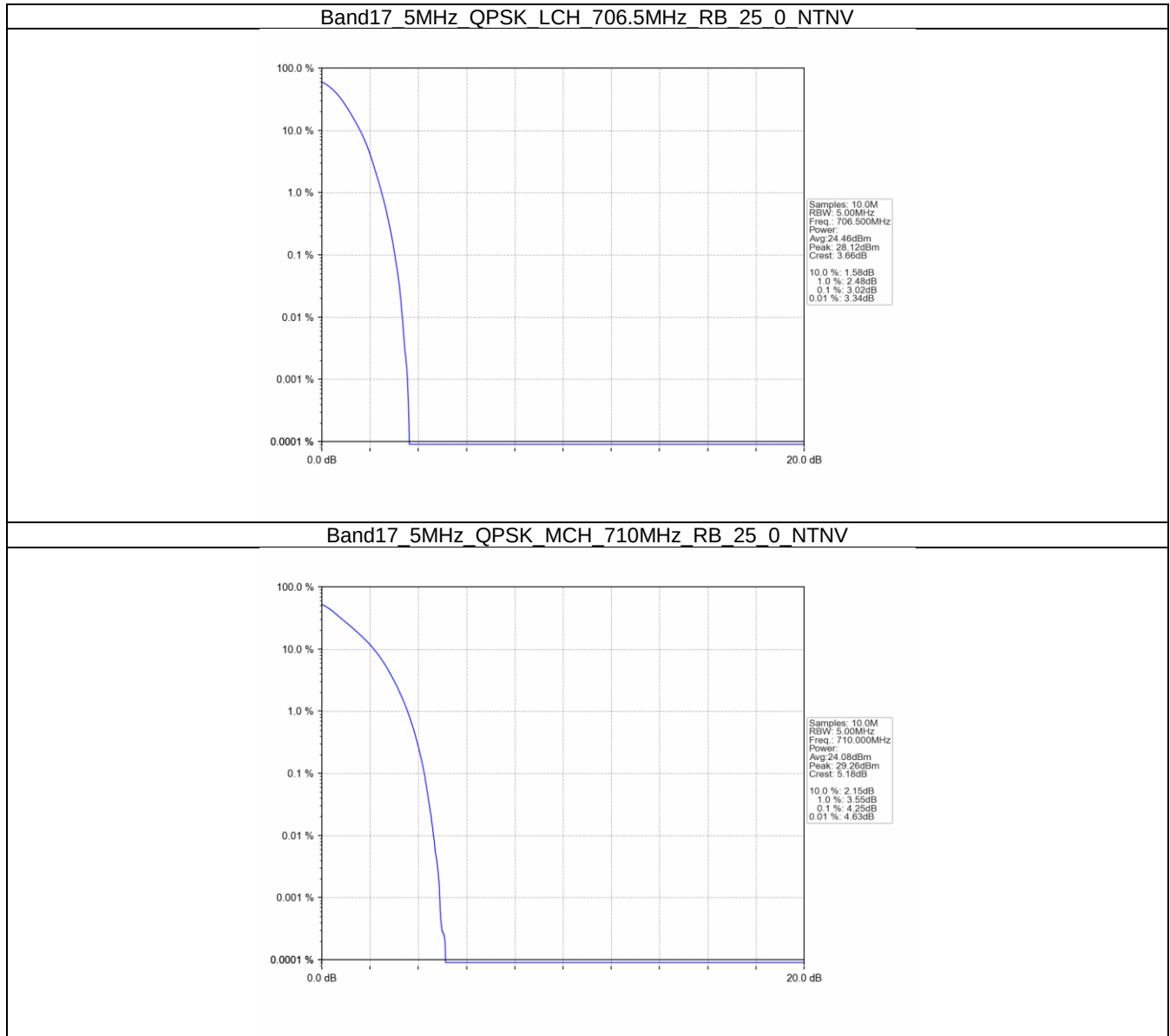
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	3.02	<=13	Pass
	710	25	0	4.25	<=13	Pass
	713.5	25	0	4.24	<=13	Pass
16QAM	706.5	25	0	3.69	<=13	Pass
	710	25	0	5.49	<=13	Pass
	713.5	25	0	5.74	<=13	Pass

5.1.2 B17_10MHz

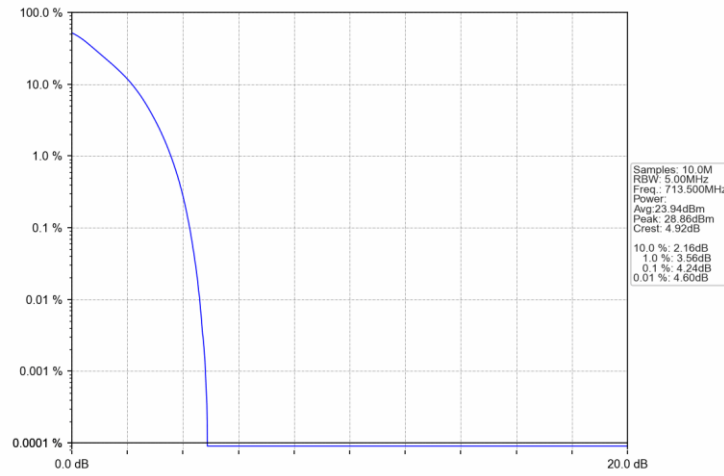
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.23	<=13	Pass
	710	50	0	4.20	<=13	Pass
	711	50	0	4.08	<=13	Pass
16QAM	709	50	0	4.85	<=13	Pass
	710	50	0	5.43	<=13	Pass
	711	50	0	5.39	<=13	Pass

5.2 Test Graph

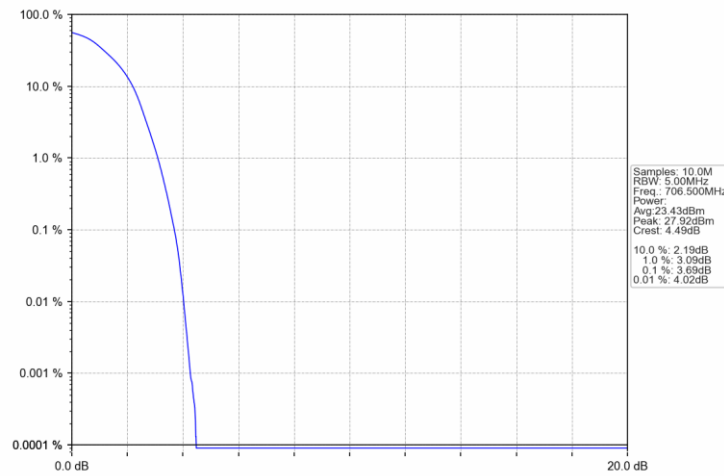
5.2.1 B17_5MHz



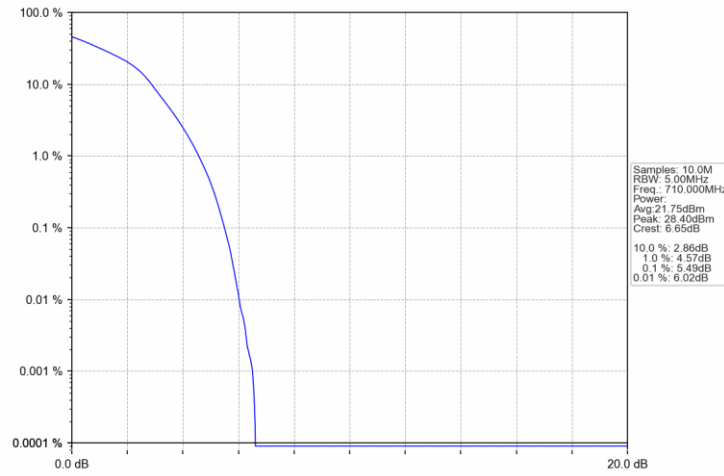
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



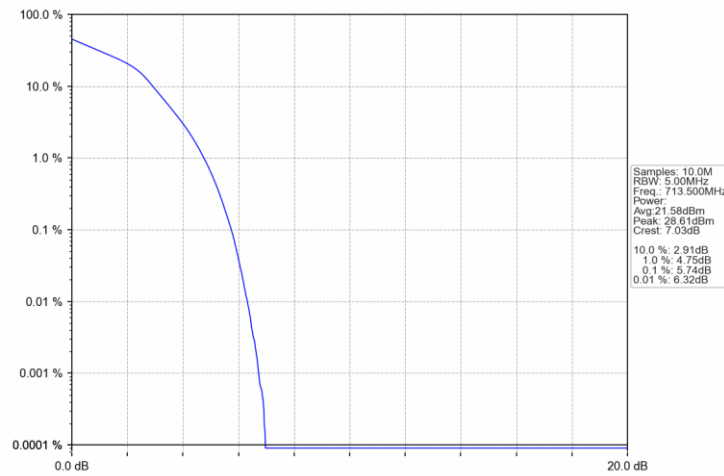
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

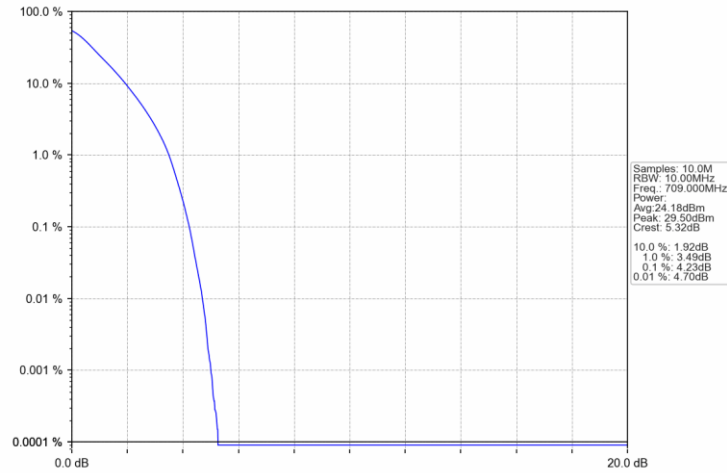


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

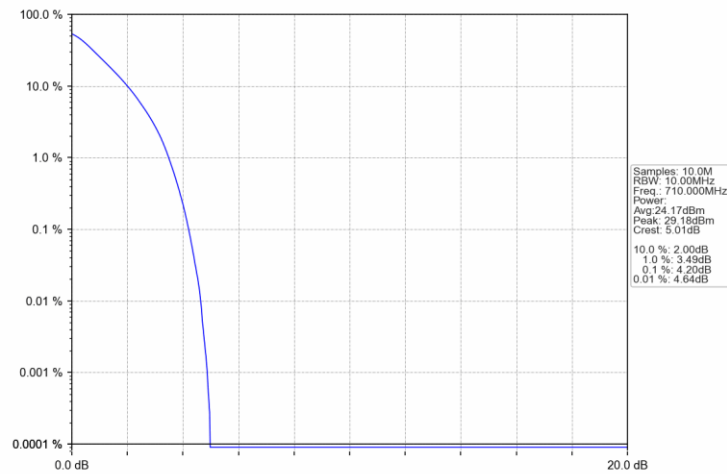


5.2.2 B17_10MHz

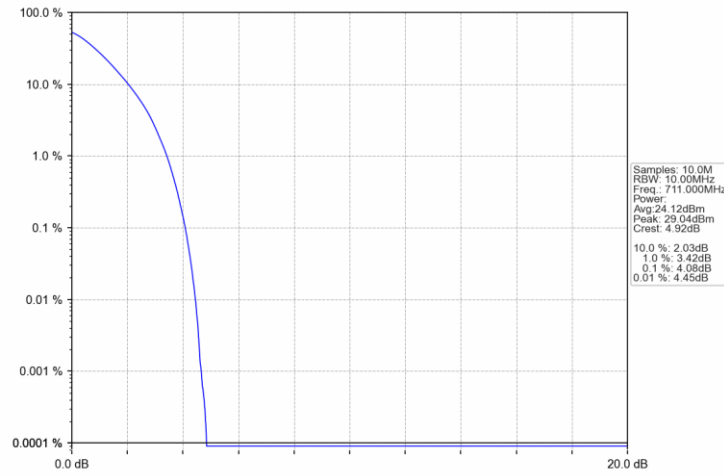
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



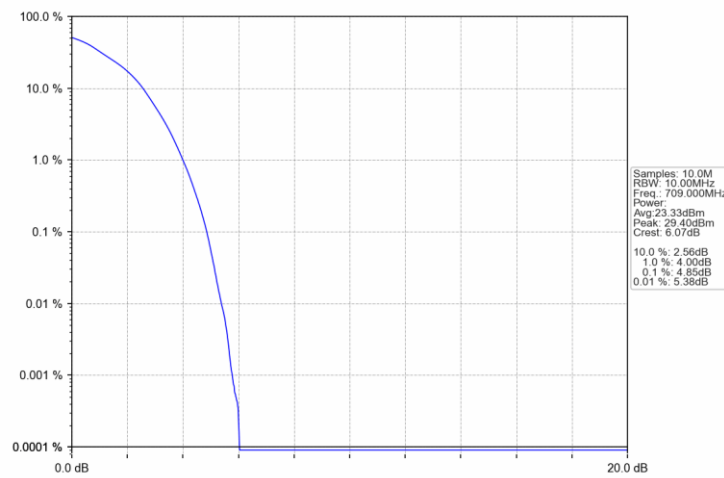
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



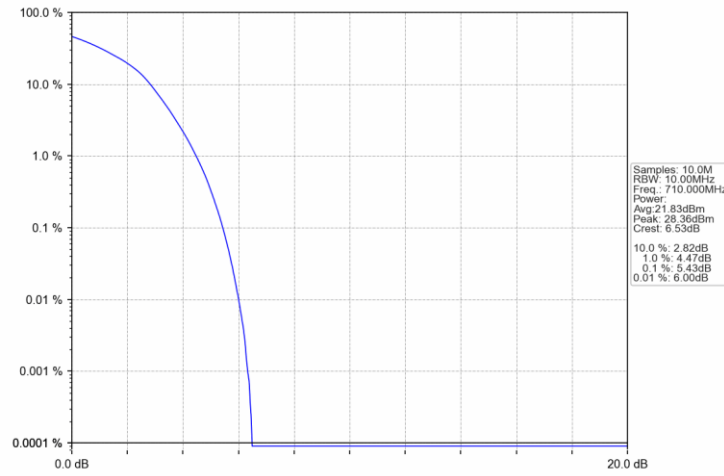
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



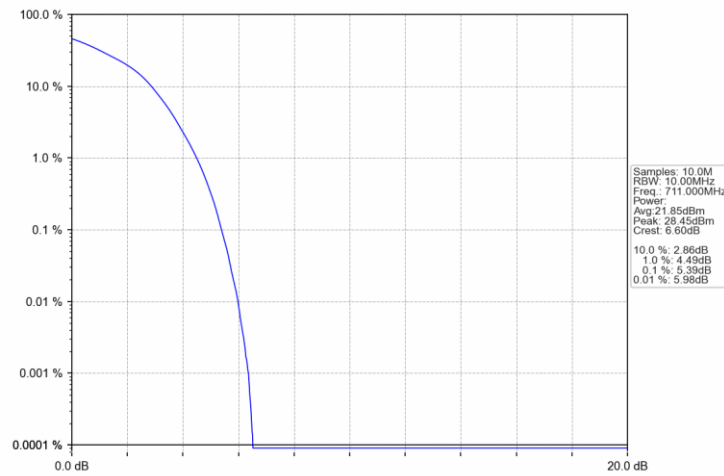
Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN



Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTV



Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTV



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

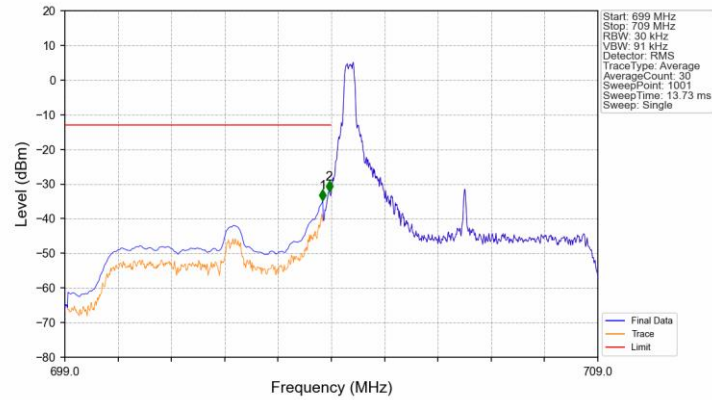
6.1.2 B17_10MHz

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

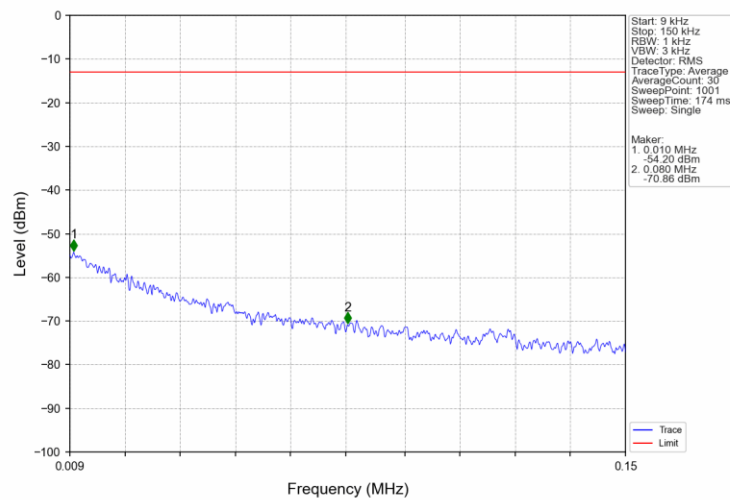
6.2 Test Graph

6.2.1 B17_5MHz

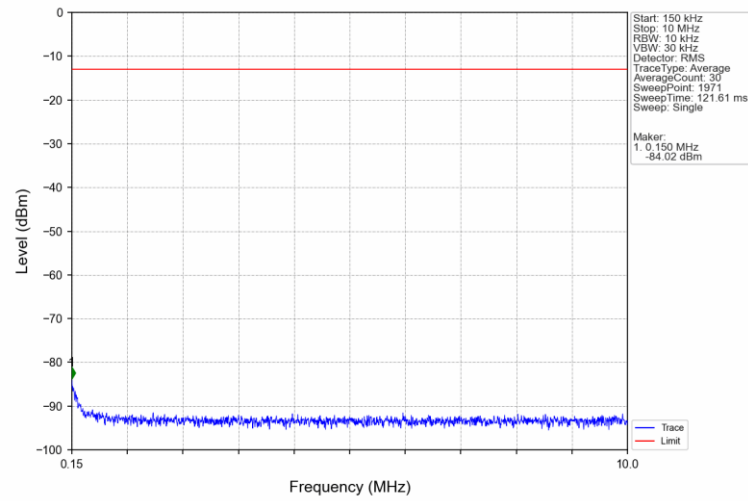
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



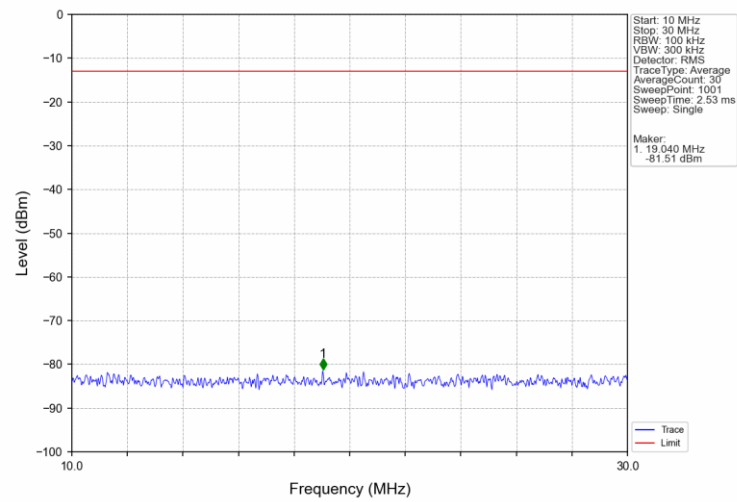
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



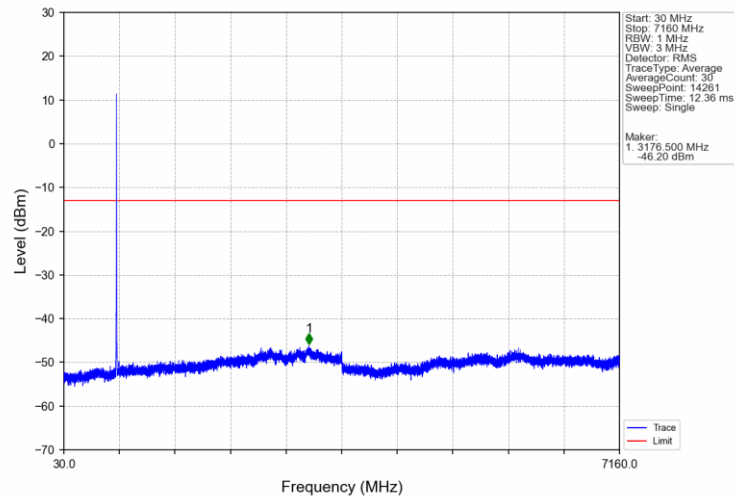
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



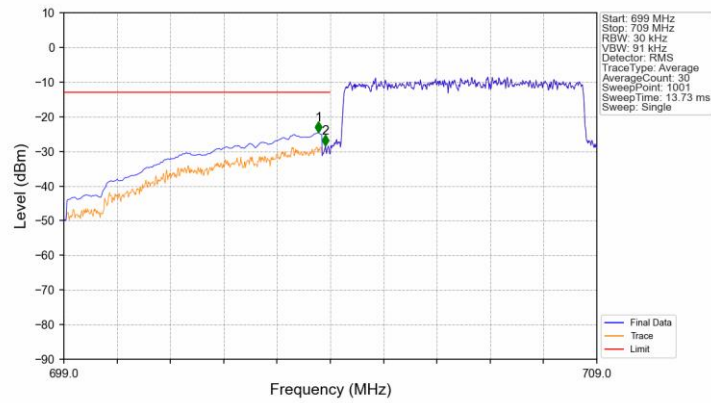
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN

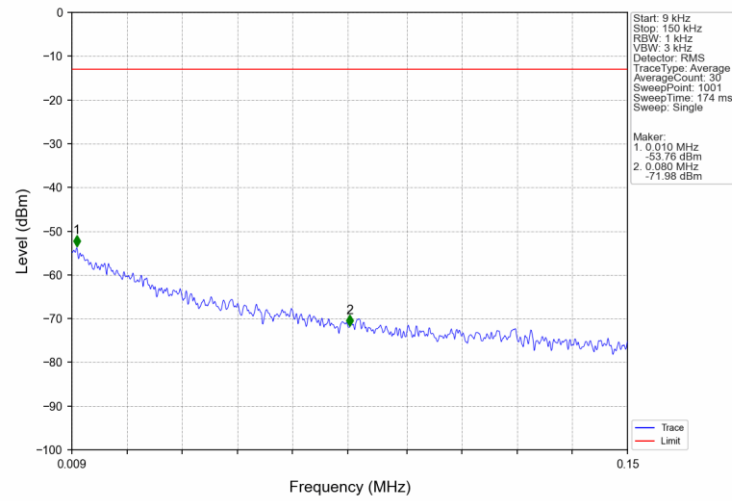


Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTN

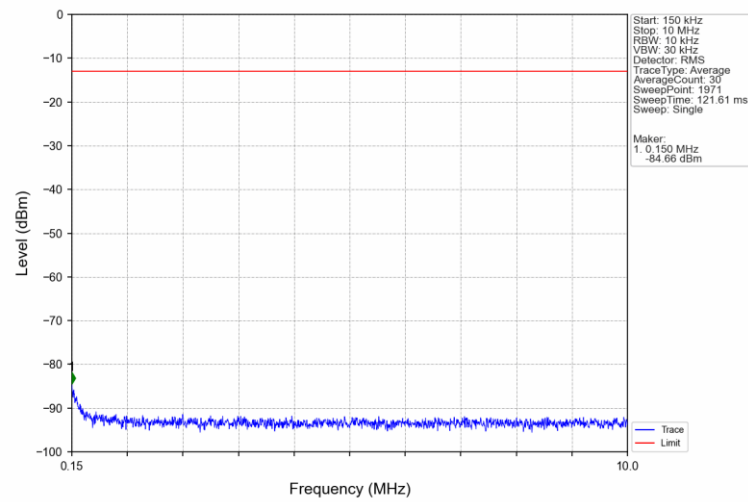


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.780	-24.55	-13	Pass
703.9	704	0.03	/	2	703.910	-28.41	-13	Pass
704	709	0.03	/	/	/	/	/	/

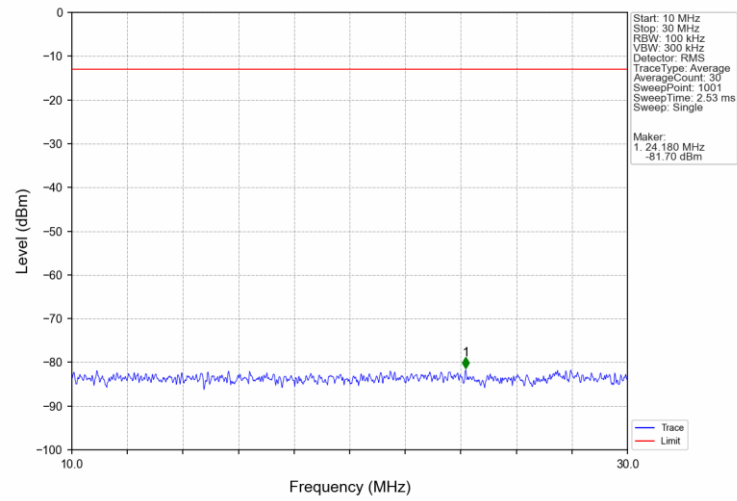
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



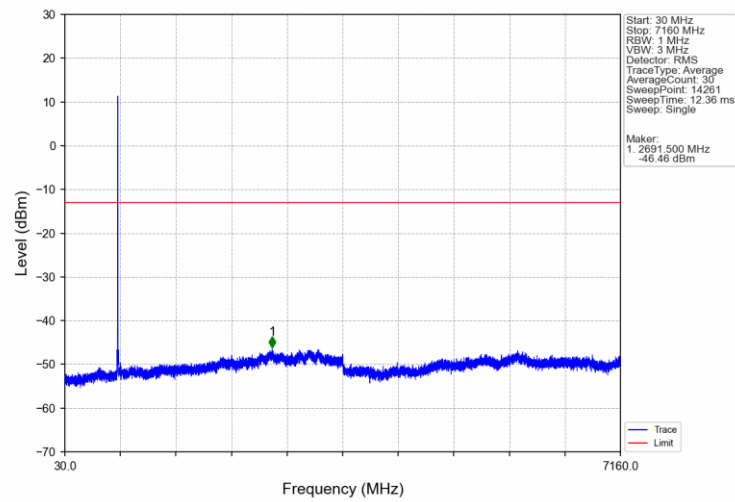
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



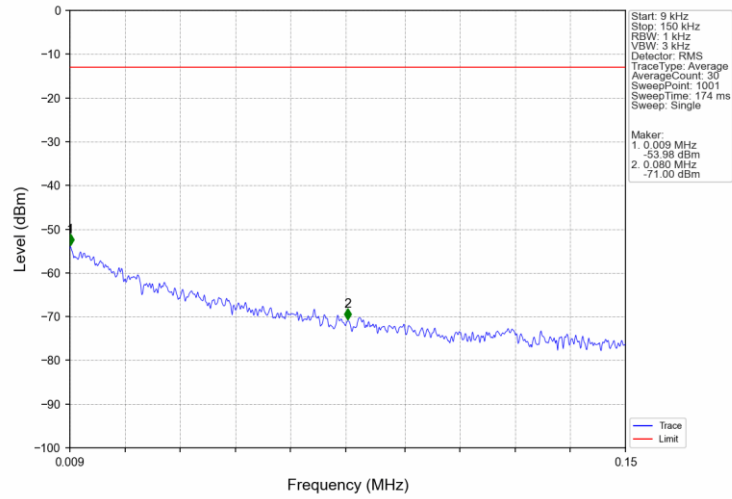
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTN



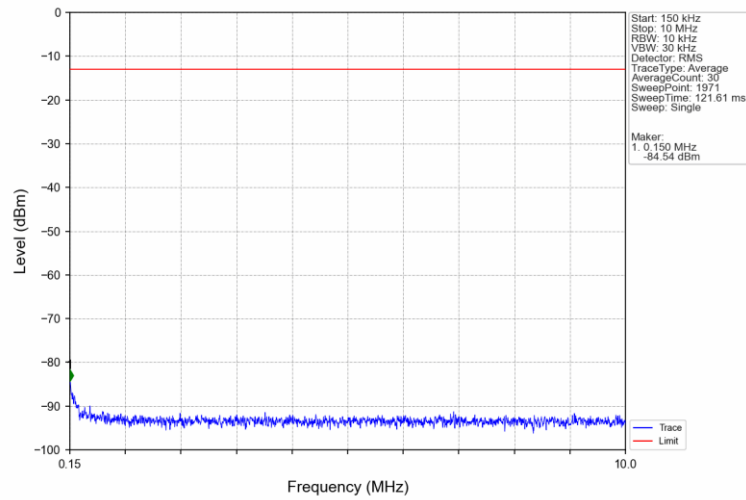
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTN



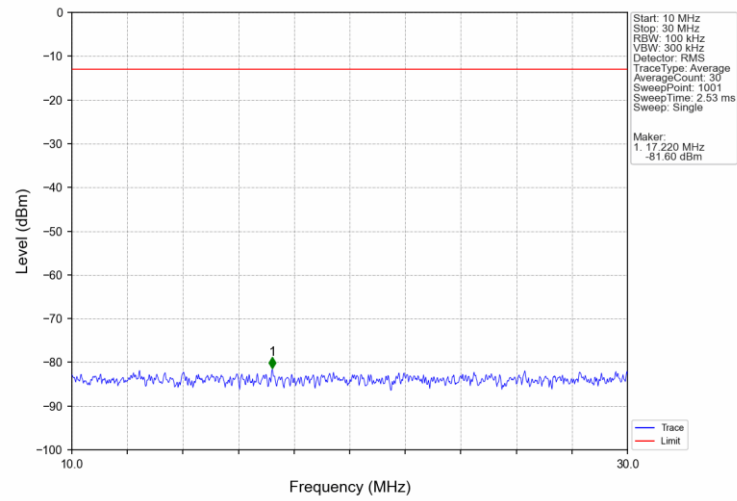
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



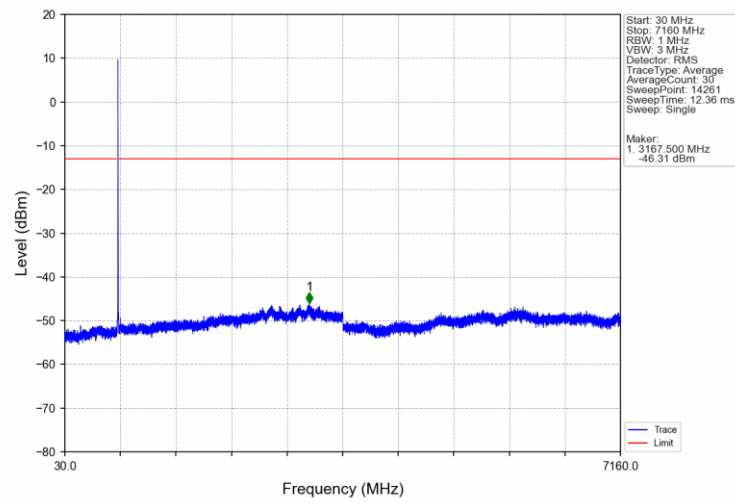
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



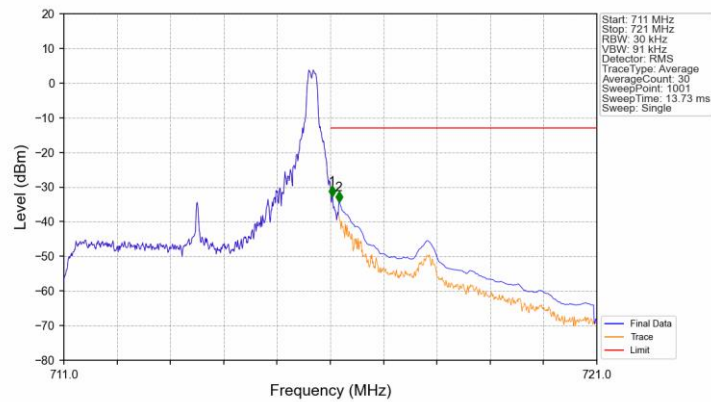
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

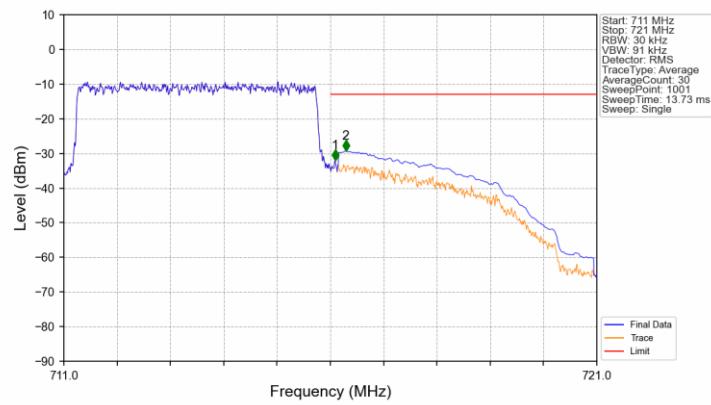


Band17 5MHz QPSK HCH 713.5MHz RB 1 24 NTV



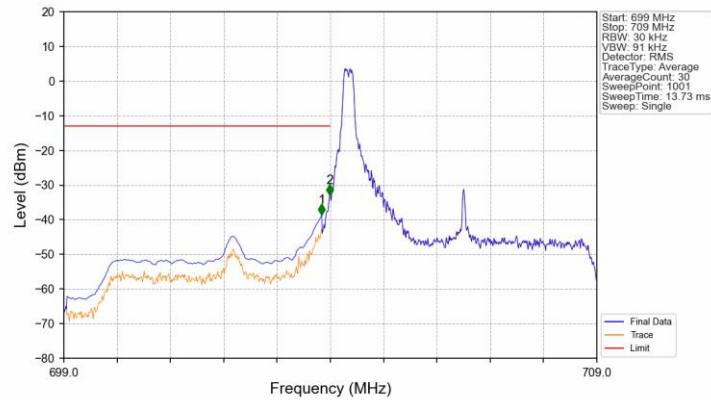
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-32.75	-13	Pass
716.1	721	0.1	CHP	2	716.160	-34.33	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



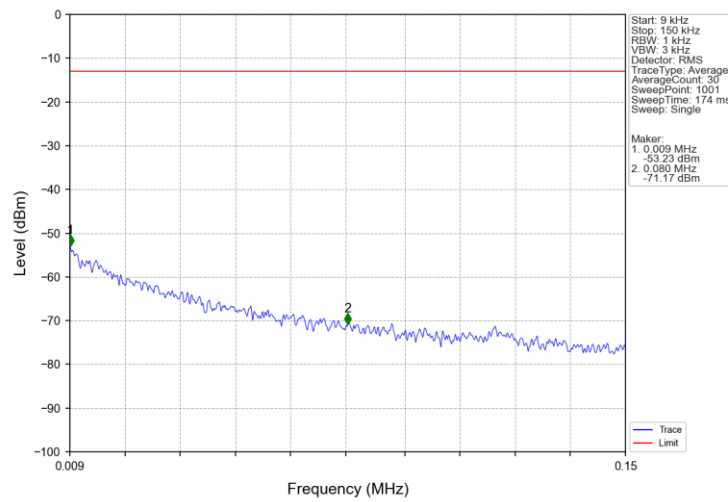
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.090	-31.99	-13	Pass
716.1	721	0.1	CHP	2	716.290	-29.31	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

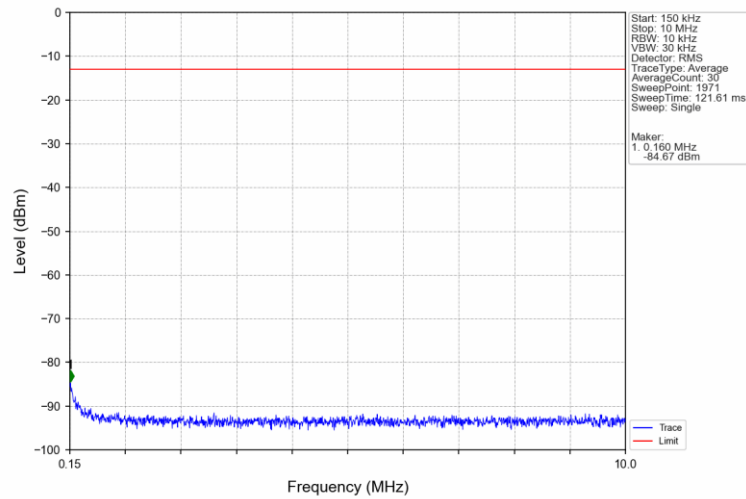


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-38.64	-13	Pass
703.9	704	0.03	/	2	703.990	-32.92	-13	Pass
704	709	0.03	/	/	/	/	/	/

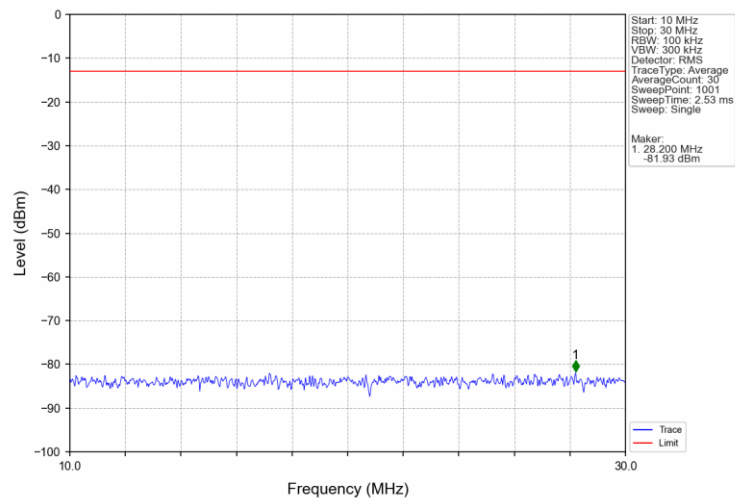
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



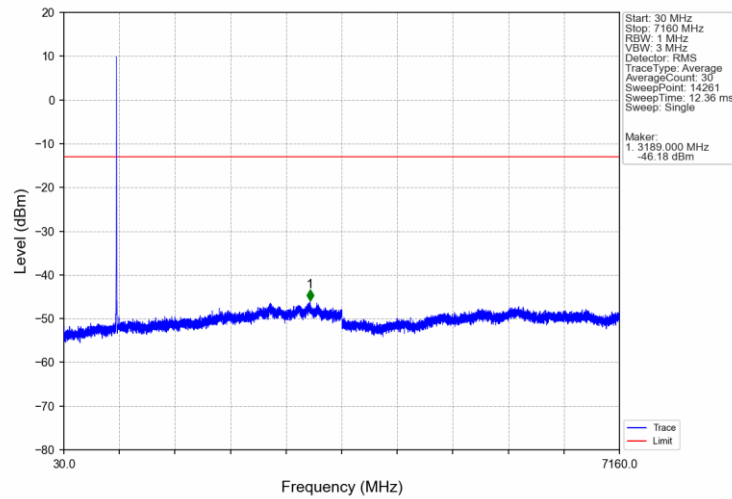
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



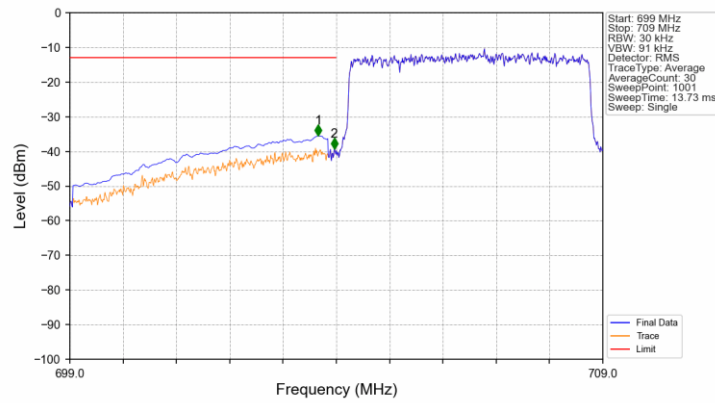
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

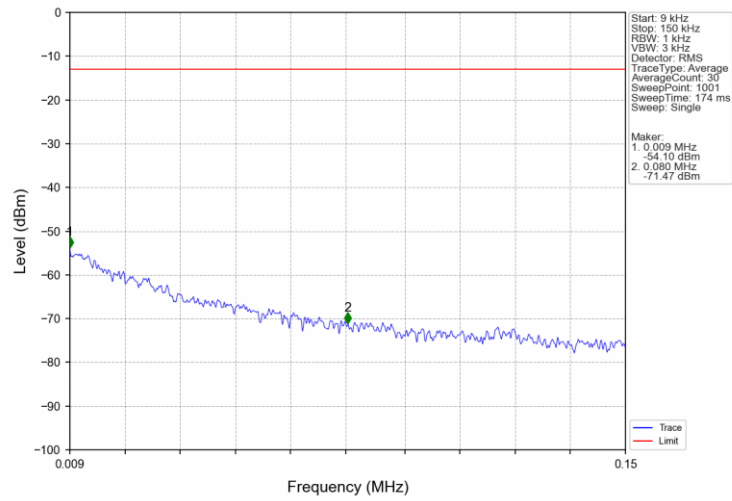


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

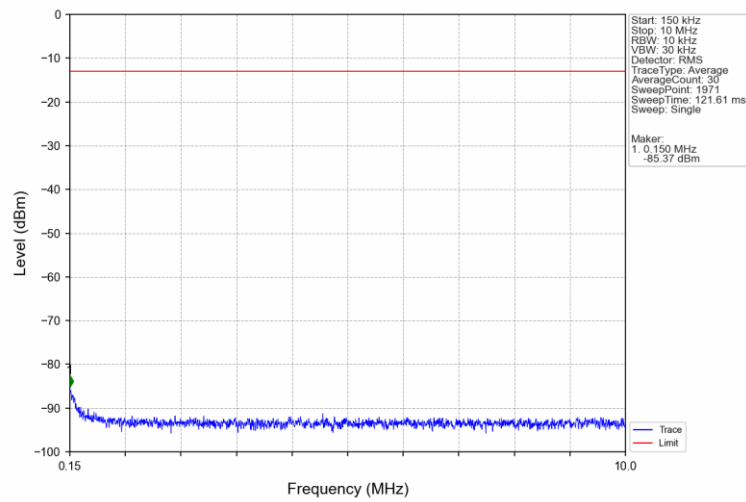


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.660	-35.47	-13	Pass
703.9	704	0.03	/	2	703.960	-39.30	-13	Pass
704	709	0.03	/	/	/	/	/	/

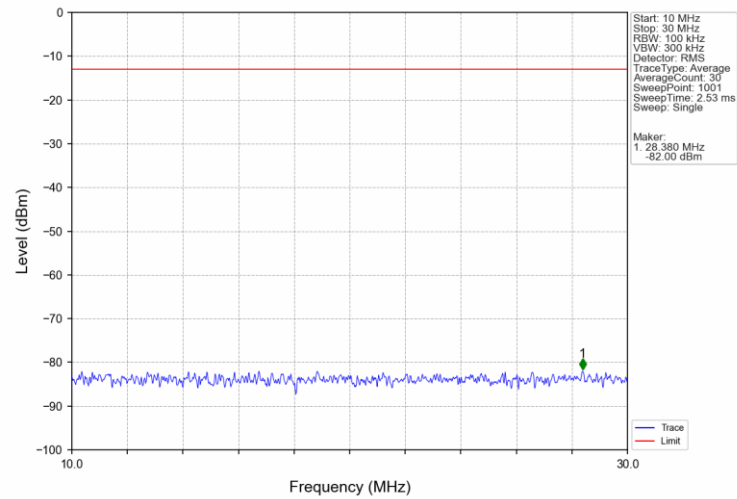
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



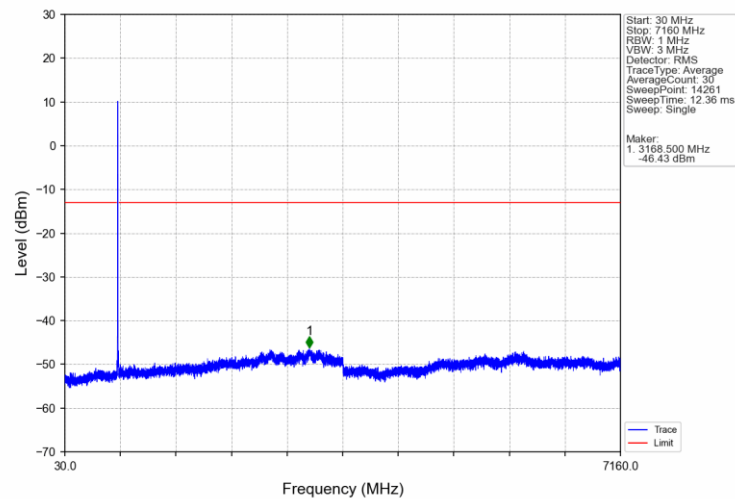
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



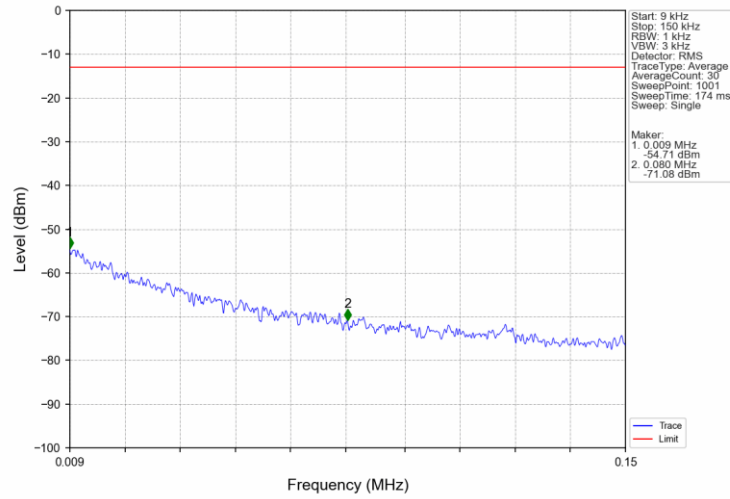
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



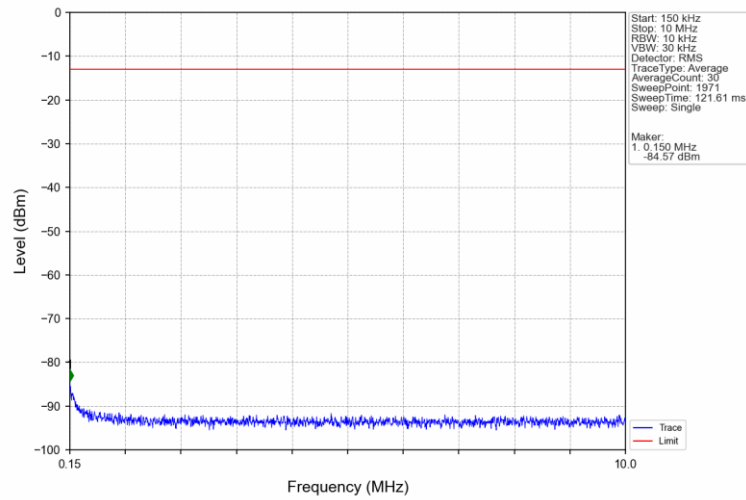
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



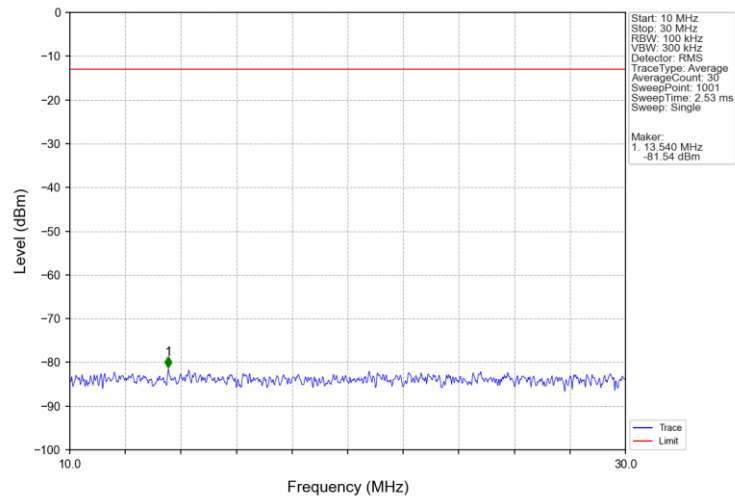
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



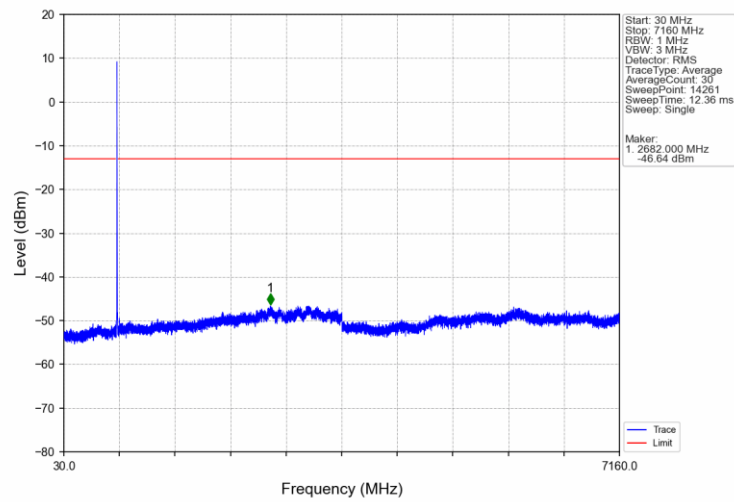
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



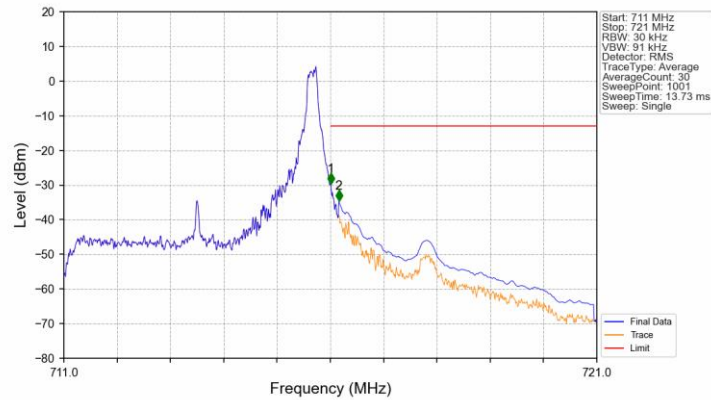
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

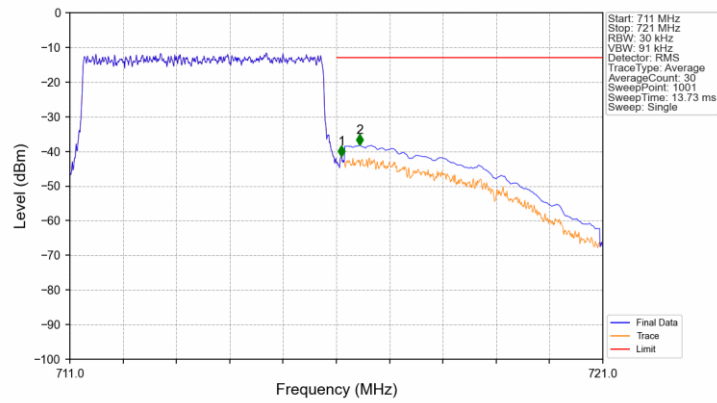


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



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	-29.74	-13	Pass
716.1	721	0.1	CHP	2	716.160	-34.65	-13	Pass

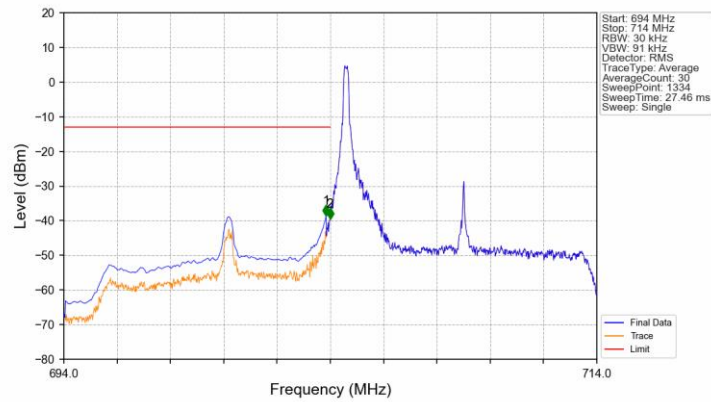
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



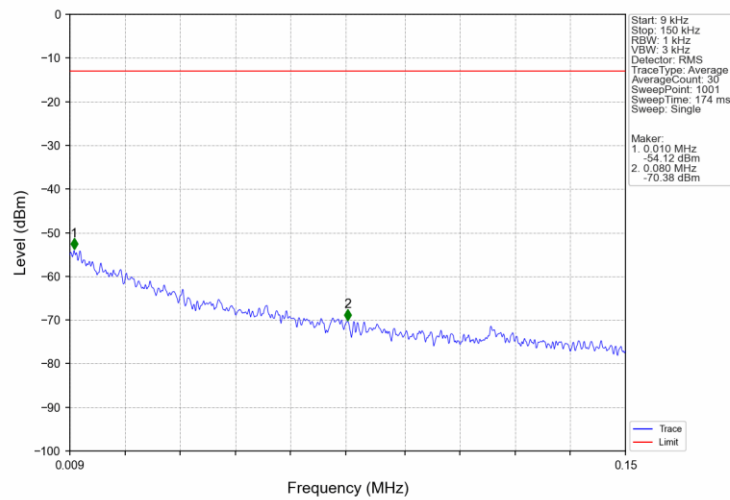
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.100	-41.40	-13	Pass
716.1	721	0.1	CHP	2	716.440	-38.19	-13	Pass

6.2.2 B17_10MHz

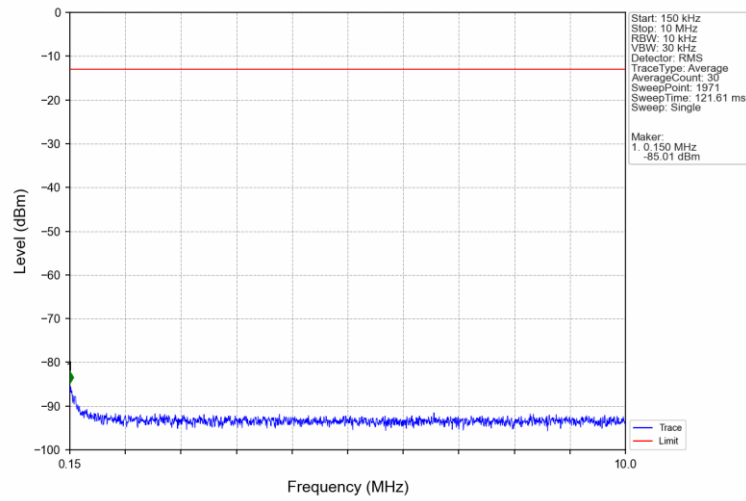
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN



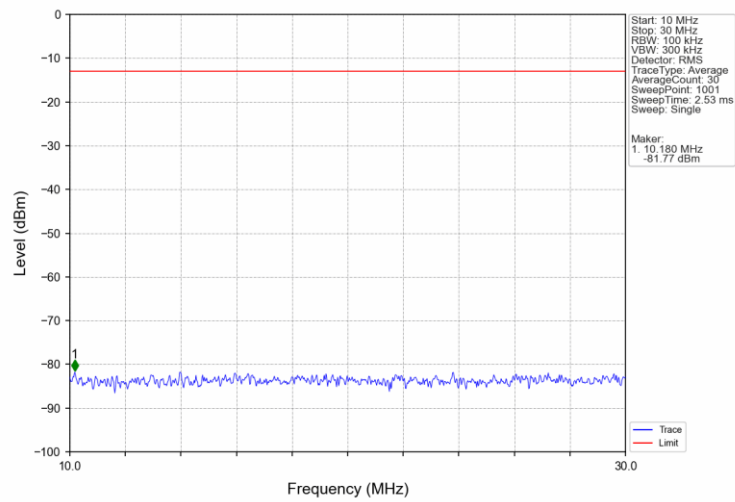
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN



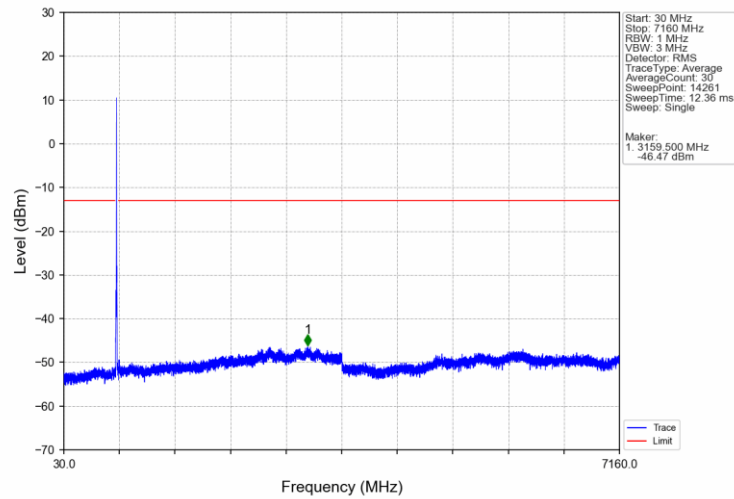
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



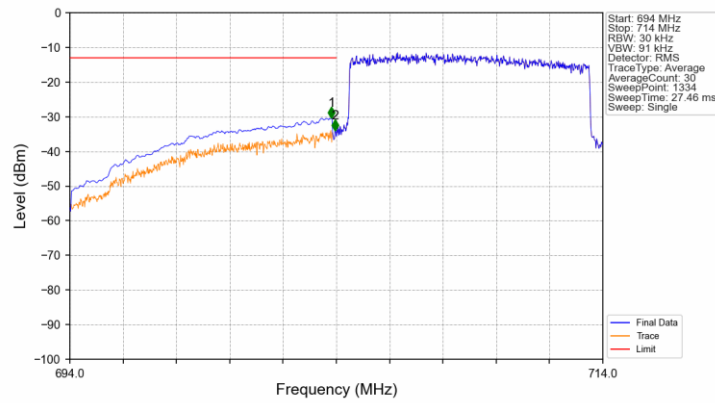
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

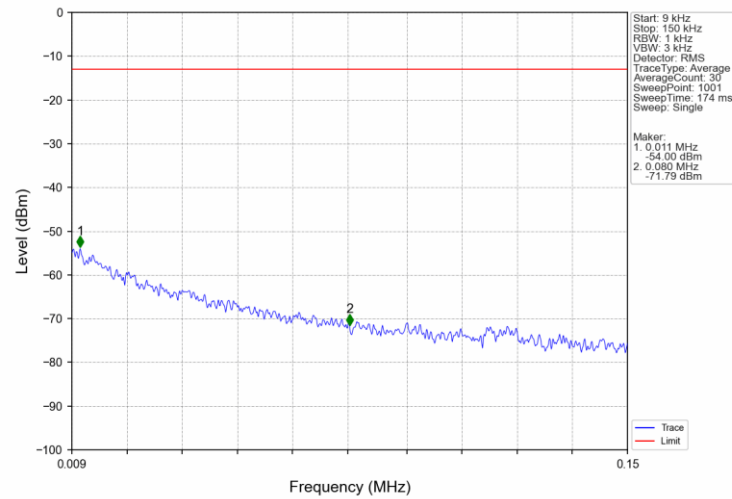


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

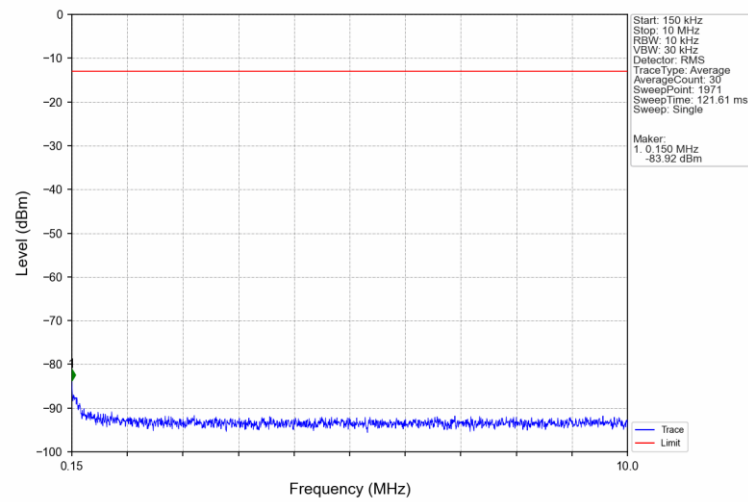


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.812	-30.39	-13	Pass
703.9	704	0.03	/	2	703.947	-33.93	-13	Pass
704	714	0.03	/	/	/	/	/	/

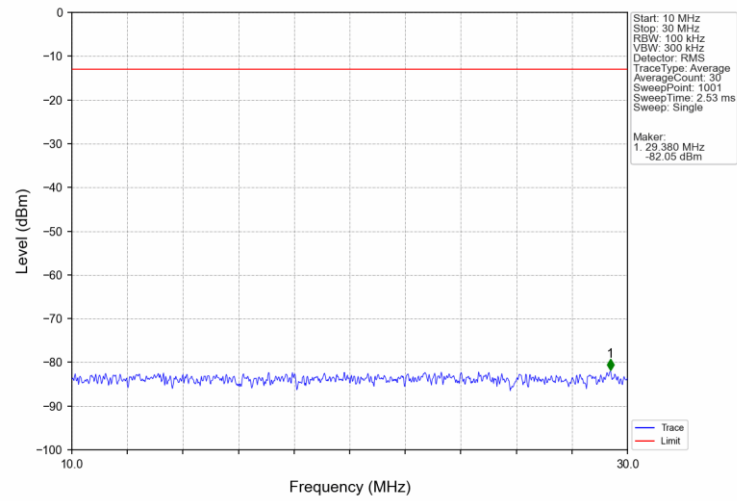
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



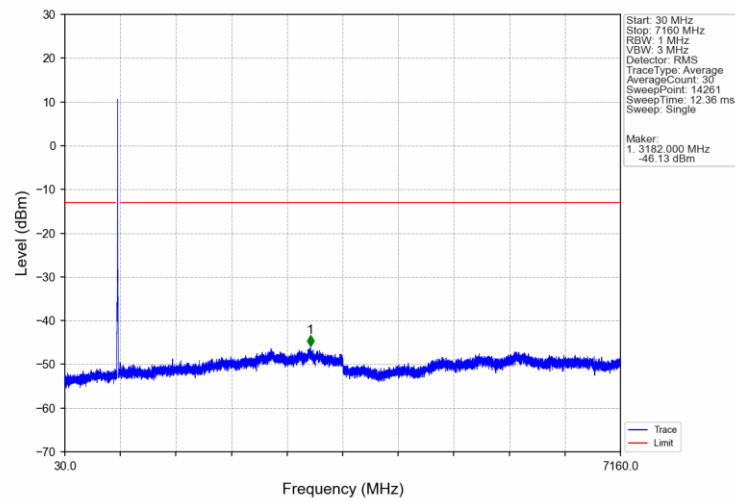
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



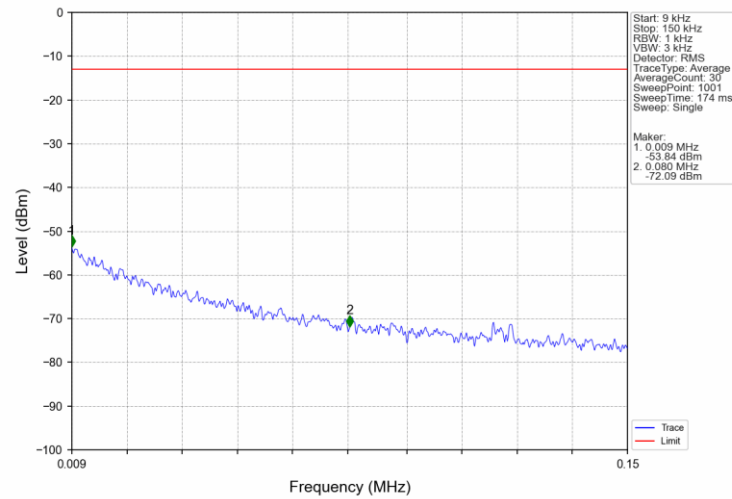
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



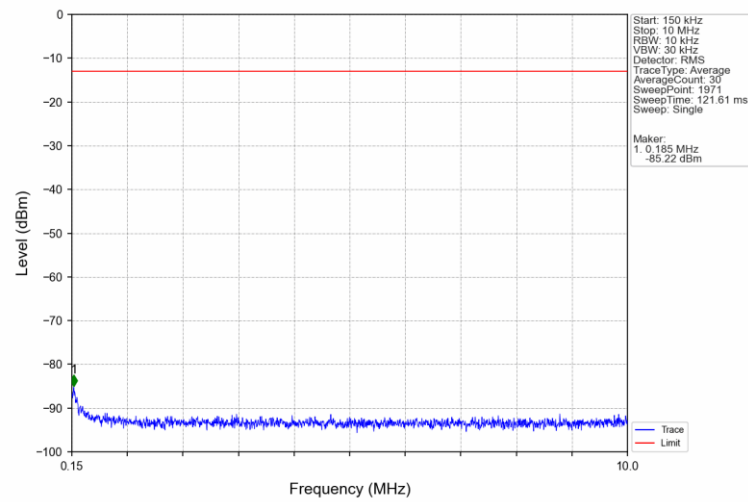
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



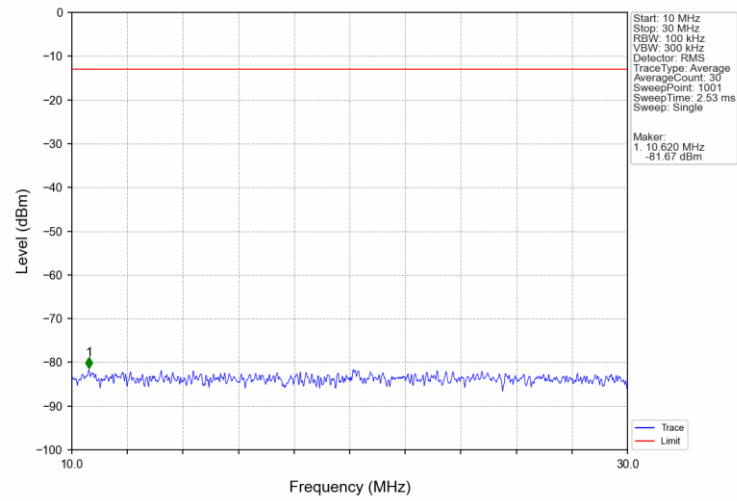
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN



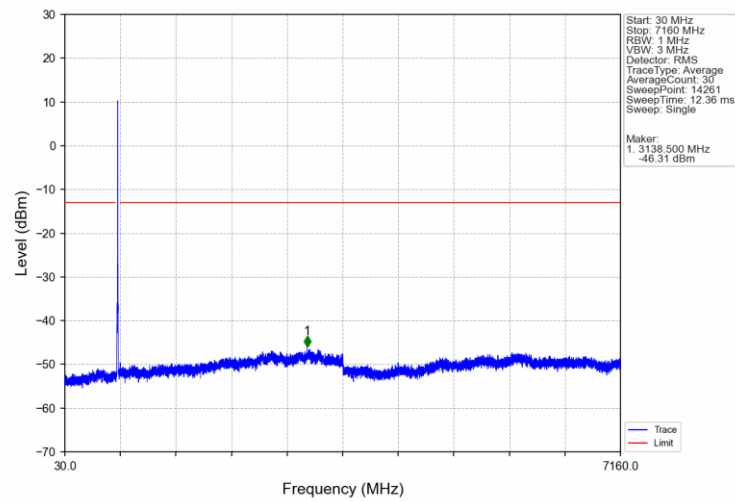
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN



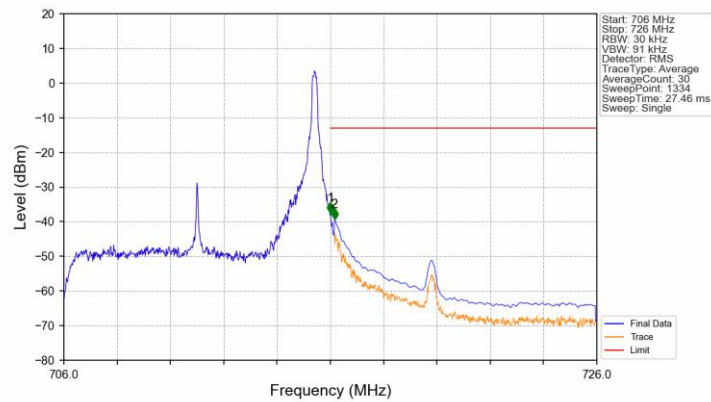
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN



Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN

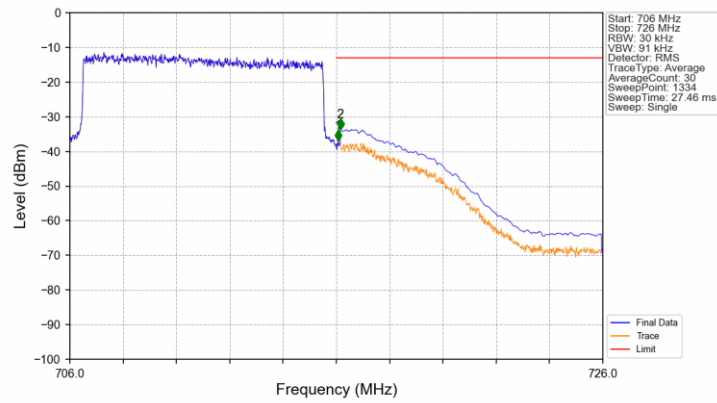


Band17 10MHz QPSK HCH 711MHz RB 1 49 NTNV



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	-37.48	-13	Pass
716.1	726	0.1	CHP	2	716.158	-39.38	-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	716.068	-37.00	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.59	-13	Pass