

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	24.46	-2.89	19.42	<=34.77	Pass
			13	24.25	-2.89	19.21	<=34.77	Pass
			24	24.36	-2.89	19.32	<=34.77	Pass
		12	0	23.48	-2.89	18.44	<=34.77	Pass
			6	23.41	-2.89	18.37	<=34.77	Pass
			13	23.34	-2.89	18.30	<=34.77	Pass
		25	0	23.44	-2.89	18.40	<=34.77	Pass
	710	1	0	24.45	-2.89	19.41	<=34.77	Pass
			13	24.50	-2.89	19.46	<=34.77	Pass
			24	24.56	-2.89	19.52	<=34.77	Pass
		12	0	23.31	-2.89	18.27	<=34.77	Pass
			6	23.48	-2.89	18.44	<=34.77	Pass
			13	23.50	-2.89	18.46	<=34.77	Pass
		25	0	23.46	-2.89	18.42	<=34.77	Pass
	713.5	1	0	24.42	-2.89	19.38	<=34.77	Pass
			13	24.40	-2.89	19.36	<=34.77	Pass
			24	24.40	-2.89	19.36	<=34.77	Pass
		12	0	23.56	-2.89	18.52	<=34.77	Pass
			6	23.52	-2.89	18.48	<=34.77	Pass
			13	23.60	-2.89	18.56	<=34.77	Pass
		25	0	23.56	-2.89	18.52	<=34.77	Pass
16QAM	706.5	1	0	23.42	-2.89	18.38	<=34.77	Pass
			13	23.33	-2.89	18.29	<=34.77	Pass
			24	23.34	-2.89	18.30	<=34.77	Pass
		12	0	22.31	-2.89	17.27	<=34.77	Pass
			6	22.34	-2.89	17.30	<=34.77	Pass
			13	22.89	-2.89	17.85	<=34.77	Pass
		25	0	22.36	-2.89	17.32	<=34.77	Pass
	710	1	0	23.06	-2.89	18.02	<=34.77	Pass
			13	23.12	-2.89	18.08	<=34.77	Pass
			24	23.24	-2.89	18.20	<=34.77	Pass
		12	0	22.75	-2.89	17.71	<=34.77	Pass
			6	22.87	-2.89	17.83	<=34.77	Pass
			13	22.65	-2.89	17.61	<=34.77	Pass
		25	0	22.83	-2.89	17.79	<=34.77	Pass
	713.5	1	0	22.72	-2.89	17.68	<=34.77	Pass
			13	22.63	-2.89	17.59	<=34.77	Pass
			24	22.71	-2.89	17.67	<=34.77	Pass
		12	0	22.87	-2.89	17.83	<=34.77	Pass
			6	22.50	-2.89	17.46	<=34.77	Pass
			13	22.44	-2.89	17.40	<=34.77	Pass
		25	0	22.63	-2.89	17.59	<=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	24.46	-2.89	19.42	<=34.77	Pass
			25	24.40	-2.89	19.36	<=34.77	Pass
			49	24.46	-2.89	19.42	<=34.77	Pass
		25	0	23.39	-2.89	18.35	<=34.77	Pass
			13	23.49	-2.89	18.45	<=34.77	Pass
			25	23.57	-2.89	18.53	<=34.77	Pass
		50	0	23.32	-2.89	18.28	<=34.77	Pass
	710	1	0	24.33	-2.89	19.29	<=34.77	Pass
			25	24.41	-2.89	19.37	<=34.77	Pass
			49	24.51	-2.89	19.47	<=34.77	Pass
		25	0	23.41	-2.89	18.37	<=34.77	Pass
			13	23.44	-2.89	18.40	<=34.77	Pass
			25	23.42	-2.89	18.38	<=34.77	Pass
		50	0	23.41	-2.89	18.37	<=34.77	Pass
	711	1	0	24.61	-2.89	19.57	<=34.77	Pass
			25	24.56	-2.89	19.52	<=34.77	Pass
			49	24.41	-2.89	19.37	<=34.77	Pass
		25	0	23.42	-2.89	18.38	<=34.77	Pass
			13	23.39	-2.89	18.35	<=34.77	Pass
			25	23.56	-2.89	18.52	<=34.77	Pass
		50	0	23.36	-2.89	18.32	<=34.77	Pass
16QAM	709	1	0	23.75	-2.89	18.71	<=34.77	Pass
			25	23.68	-2.89	18.64	<=34.77	Pass
			49	23.85	-2.89	18.81	<=34.77	Pass
		25	0	22.36	-2.89	17.32	<=34.77	Pass
			13	22.92	-2.89	17.88	<=34.77	Pass
			25	22.99	-2.89	17.95	<=34.77	Pass
		50	0	22.86	-2.89	17.82	<=34.77	Pass
	710	1	0	23.08	-2.89	18.04	<=34.77	Pass
			25	23.10	-2.89	18.06	<=34.77	Pass
			49	23.28	-2.89	18.24	<=34.77	Pass
		25	0	23.13	-2.89	18.09	<=34.77	Pass
			13	23.11	-2.89	18.07	<=34.77	Pass
			25	23.12	-2.89	18.08	<=34.77	Pass
		50	0	22.99	-2.89	17.95	<=34.77	Pass
	711	1	0	24.08	-2.89	19.04	<=34.77	Pass
			25	23.99	-2.89	18.95	<=34.77	Pass
			49	24.08	-2.89	19.04	<=34.77	Pass
		25	0	22.98	-2.89	17.94	<=34.77	Pass
			13	22.96	-2.89	17.92	<=34.77	Pass
			25	22.50	-2.89	17.46	<=34.77	Pass
		50	0	22.92	-2.89	17.88	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.23	4.191	0.0059	-2.5 to 2.5	Pass
					3.80	-28.324	-0.0401	-2.5 to 2.5	Pass
					4.37	-2.146	-0.0030	-2.5 to 2.5	Pass
				-30	3.80	-20.642	-0.0292	-2.5 to 2.5	Pass
				-20	3.80	-35.691	-0.0505	-2.5 to 2.5	Pass
				-10	3.80	-0.787	-0.0011	-2.5 to 2.5	Pass
				0	3.80	-9.327	-0.0132	-2.5 to 2.5	Pass
				10	3.80	-15.364	-0.0217	-2.5 to 2.5	Pass
				30	3.80	-18.511	-0.0262	-2.5 to 2.5	Pass
				40	3.80	-22.902	-0.0324	-2.5 to 2.5	Pass
				50	3.80	-26.050	-0.0369	-2.5 to 2.5	Pass
	710	25	0	20	3.23	35.348	0.0498	-2.5 to 2.5	Pass
					3.80	21.257	0.0299	-2.5 to 2.5	Pass
					4.37	7.024	0.0099	-2.5 to 2.5	Pass
				-30	3.80	-3.090	-0.0044	-2.5 to 2.5	Pass
				-20	3.80	-11.058	-0.0156	-2.5 to 2.5	Pass
				-10	3.80	-17.366	-0.0245	-2.5 to 2.5	Pass
				0	3.80	-20.428	-0.0288	-2.5 to 2.5	Pass
				10	3.80	-24.447	-0.0344	-2.5 to 2.5	Pass
				30	3.80	-27.366	-0.0385	-2.5 to 2.5	Pass
				40	3.80	-29.597	-0.0417	-2.5 to 2.5	Pass
				50	3.80	-32.501	-0.0458	-2.5 to 2.5	Pass
	713.5	25	0	20	3.23	36.592	0.0513	-2.5 to 2.5	Pass
					3.80	35.477	0.0497	-2.5 to 2.5	Pass
					4.37	32.144	0.0451	-2.5 to 2.5	Pass
				-30	3.80	27.351	0.0383	-2.5 to 2.5	Pass
				-20	3.80	23.317	0.0327	-2.5 to 2.5	Pass
				-10	3.80	16.079	0.0225	-2.5 to 2.5	Pass
				0	3.80	9.813	0.0138	-2.5 to 2.5	Pass
				10	3.80	3.376	0.0047	-2.5 to 2.5	Pass
				30	3.80	-1.674	-0.0023	-2.5 to 2.5	Pass
				40	3.80	-2.890	-0.0041	-2.5 to 2.5	Pass
				50	3.80	-5.050	-0.0071	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.23	-27.566	-0.0390	-2.5 to 2.5	Pass
					3.80	-21.586	-0.0306	-2.5 to 2.5	Pass
					4.37	-16.737	-0.0237	-2.5 to 2.5	Pass
				-30	3.80	-13.146	-0.0186	-2.5 to 2.5	Pass
				-20	3.80	-10.414	-0.0147	-2.5 to 2.5	Pass
				-10	3.80	-8.254	-0.0117	-2.5 to 2.5	Pass
				0	3.80	-6.466	-0.0092	-2.5 to 2.5	Pass
				10	3.80	-3.648	-0.0052	-2.5 to 2.5	Pass
				30	3.80	-1.502	-0.0021	-2.5 to 2.5	Pass
				40	3.80	-1.917	-0.0027	-2.5 to 2.5	Pass
				50	3.80	-0.086	-0.0001	-2.5 to 2.5	Pass
	710	25	0	20	3.23	-35.176	-0.0495	-2.5 to 2.5	Pass
					3.80	-29.254	-0.0412	-2.5 to 2.5	Pass
					4.37	-25.120	-0.0354	-2.5 to 2.5	Pass
				-30	3.80	-22.073	-0.0311	-2.5 to 2.5	Pass
				-20	3.80	-19.598	-0.0276	-2.5 to 2.5	Pass

				-10	3.80	-17.123	-0.0241	-2.5 to 2.5	Pass
				0	3.80	-15.063	-0.0212	-2.5 to 2.5	Pass
				10	3.80	-12.889	-0.0182	-2.5 to 2.5	Pass
				30	3.80	-10.285	-0.0145	-2.5 to 2.5	Pass
				40	3.80	-8.311	-0.0117	-2.5 to 2.5	Pass
				50	3.80	-8.640	-0.0122	-2.5 to 2.5	Pass
	713.5	25	0	20	3.23	-4.921	-0.0069	-2.5 to 2.5	Pass
					3.80	-2.360	-0.0033	-2.5 to 2.5	Pass
					4.37	2.260	0.0032	-2.5 to 2.5	Pass
				-30	3.80	4.778	0.0067	-2.5 to 2.5	Pass
				-20	3.80	7.396	0.0104	-2.5 to 2.5	Pass
				-10	3.80	11.244	0.0158	-2.5 to 2.5	Pass
				0	3.80	13.304	0.0186	-2.5 to 2.5	Pass
				10	3.80	13.618	0.0191	-2.5 to 2.5	Pass
				30	3.80	15.421	0.0216	-2.5 to 2.5	Pass
				40	3.80	17.080	0.0239	-2.5 to 2.5	Pass
				50	3.80	19.269	0.0270	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.23	3.433	0.0048	-2.5 to 2.5	Pass
					3.80	-24.304	-0.0343	-2.5 to 2.5	Pass
					4.37	-31.543	-0.0445	-2.5 to 2.5	Pass
				-30	3.80	-39.625	-0.0559	-2.5 to 2.5	Pass
				-20	3.80	-9.685	-0.0137	-2.5 to 2.5	Pass
				-10	3.80	-15.635	-0.0221	-2.5 to 2.5	Pass
				0	3.80	-20.342	-0.0287	-2.5 to 2.5	Pass
				10	3.80	-22.330	-0.0315	-2.5 to 2.5	Pass
				30	3.80	-24.605	-0.0347	-2.5 to 2.5	Pass
				40	3.80	-24.333	-0.0343	-2.5 to 2.5	Pass
				50	3.80	-18.840	-0.0266	-2.5 to 2.5	Pass
	710	50	0	20	3.23	40.011	0.0564	-2.5 to 2.5	Pass
					3.80	19.827	0.0279	-2.5 to 2.5	Pass
					4.37	6.709	0.0094	-2.5 to 2.5	Pass
				-30	3.80	-2.475	-0.0035	-2.5 to 2.5	Pass
				-20	3.80	-8.812	-0.0124	-2.5 to 2.5	Pass
				-10	3.80	-12.889	-0.0182	-2.5 to 2.5	Pass
				0	3.80	-14.277	-0.0201	-2.5 to 2.5	Pass
				10	3.80	-15.192	-0.0214	-2.5 to 2.5	Pass
				30	3.80	-17.524	-0.0247	-2.5 to 2.5	Pass
				40	3.80	-16.751	-0.0236	-2.5 to 2.5	Pass
				50	3.80	-16.494	-0.0232	-2.5 to 2.5	Pass
	711	50	0	20	3.23	31.400	0.0442	-2.5 to 2.5	Pass
					3.80	12.331	0.0173	-2.5 to 2.5	Pass
					4.37	-1.416	-0.0020	-2.5 to 2.5	Pass
				-30	3.80	-9.456	-0.0133	-2.5 to 2.5	Pass
				-20	3.80	-12.231	-0.0172	-2.5 to 2.5	Pass
				-10	3.80	-13.018	-0.0183	-2.5 to 2.5	Pass
				0	3.80	-12.832	-0.0180	-2.5 to 2.5	Pass
				10	3.80	-13.947	-0.0196	-2.5 to 2.5	Pass
				30	3.80	-12.102	-0.0170	-2.5 to 2.5	Pass
				40	3.80	-13.819	-0.0194	-2.5 to 2.5	Pass
				50	3.80	-14.048	-0.0198	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.23	-13.061	-0.0184	-2.5 to 2.5	Pass
					3.80	-7.682	-0.0108	-2.5 to 2.5	Pass

					4.37	-6.824	-0.0096	-2.5 to 2.5	Pass
				-30	3.80	-4.706	-0.0066	-2.5 to 2.5	Pass
				-20	3.80	-4.020	-0.0057	-2.5 to 2.5	Pass
				-10	3.80	-2.532	-0.0036	-2.5 to 2.5	Pass
				0	3.80	-2.189	-0.0031	-2.5 to 2.5	Pass
				10	3.80	0.072	0.0001	-2.5 to 2.5	Pass
				30	3.80	5.379	0.0076	-2.5 to 2.5	Pass
				40	3.80	8.554	0.0121	-2.5 to 2.5	Pass
				50	3.80	8.898	0.0126	-2.5 to 2.5	Pass
	710	50	0	20	3.23	-12.774	-0.0180	-2.5 to 2.5	Pass
					3.80	-4.034	-0.0057	-2.5 to 2.5	Pass
					4.37	2.689	0.0038	-2.5 to 2.5	Pass
				-30	3.80	4.721	0.0066	-2.5 to 2.5	Pass
				-20	3.80	8.640	0.0122	-2.5 to 2.5	Pass
				-10	3.80	11.501	0.0162	-2.5 to 2.5	Pass
				0	3.80	14.935	0.0210	-2.5 to 2.5	Pass
				10	3.80	16.222	0.0228	-2.5 to 2.5	Pass
				30	3.80	19.112	0.0269	-2.5 to 2.5	Pass
				40	3.80	21.572	0.0304	-2.5 to 2.5	Pass
				50	3.80	23.232	0.0327	-2.5 to 2.5	Pass
	711	50	0	20	3.23	-11.716	-0.0165	-2.5 to 2.5	Pass
					3.80	-5.908	-0.0083	-2.5 to 2.5	Pass
					4.37	-2.847	-0.0040	-2.5 to 2.5	Pass
				-30	3.80	2.589	0.0036	-2.5 to 2.5	Pass
				-20	3.80	4.592	0.0065	-2.5 to 2.5	Pass
				-10	3.80	8.626	0.0121	-2.5 to 2.5	Pass
				0	3.80	11.673	0.0164	-2.5 to 2.5	Pass
				10	3.80	14.963	0.0210	-2.5 to 2.5	Pass
				30	3.80	16.637	0.0234	-2.5 to 2.5	Pass
				40	3.80	17.853	0.0251	-2.5 to 2.5	Pass
				50	3.80	18.396	0.0259	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

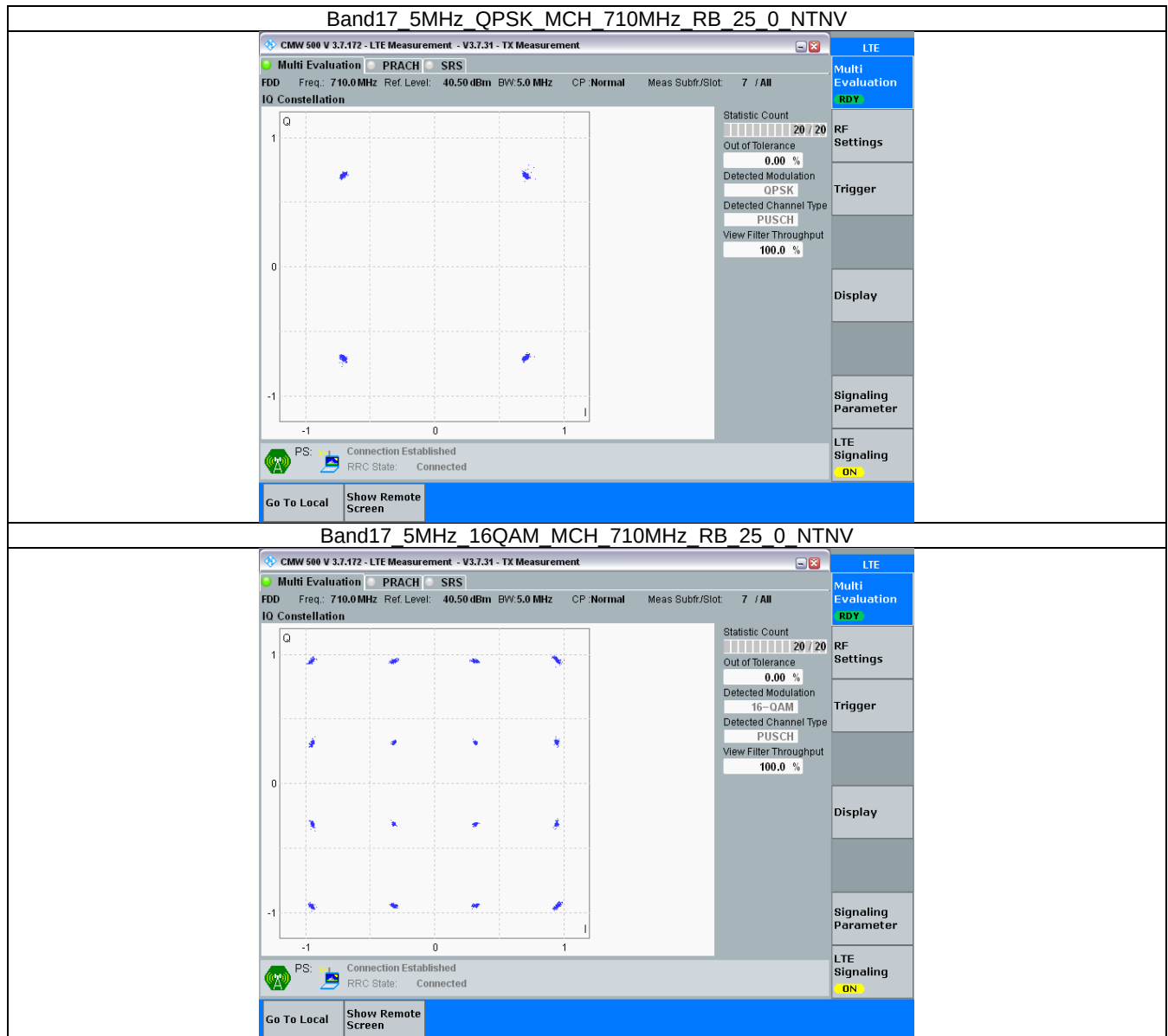
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

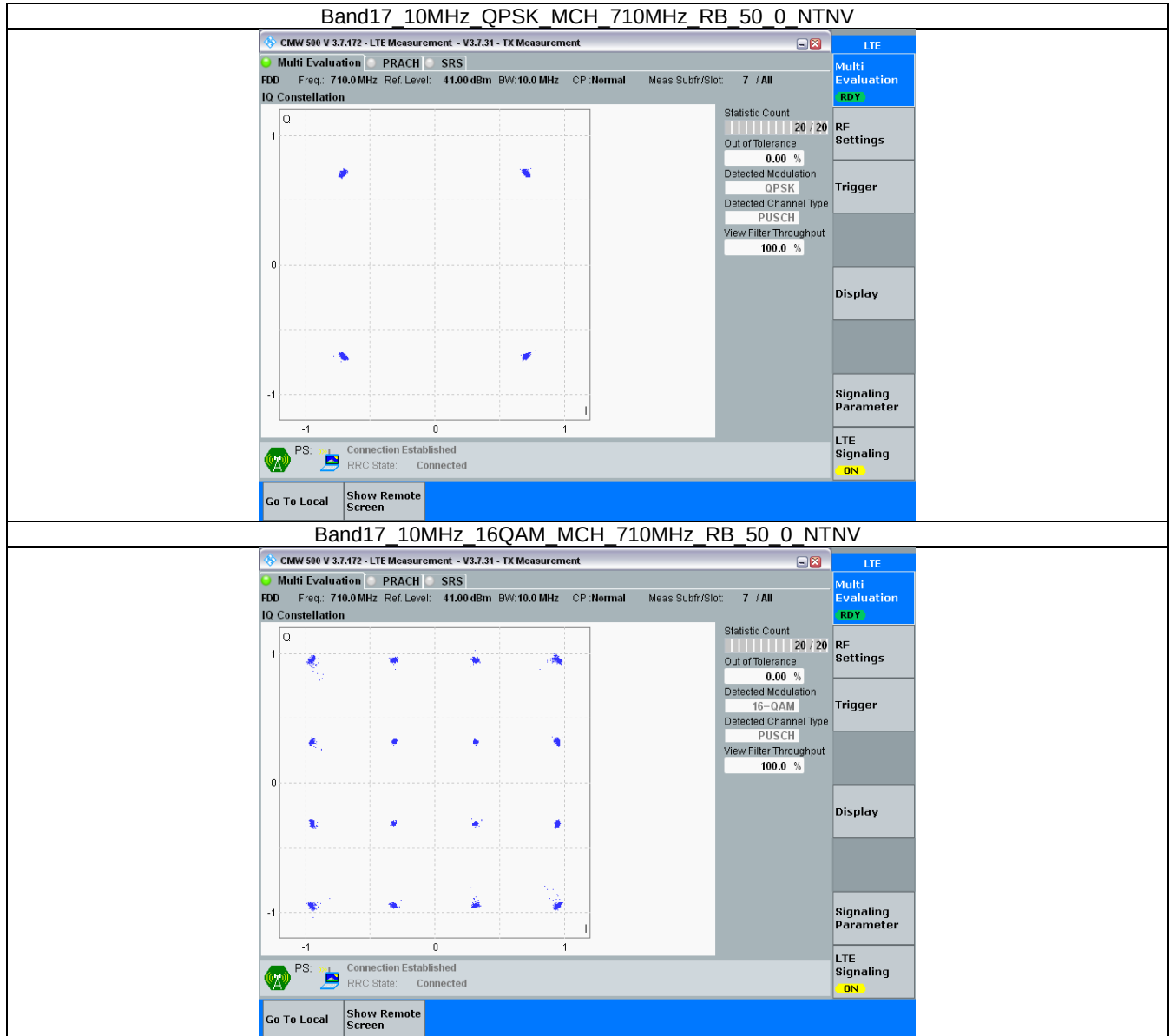
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B17_5MHz



3.2.2 B17_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

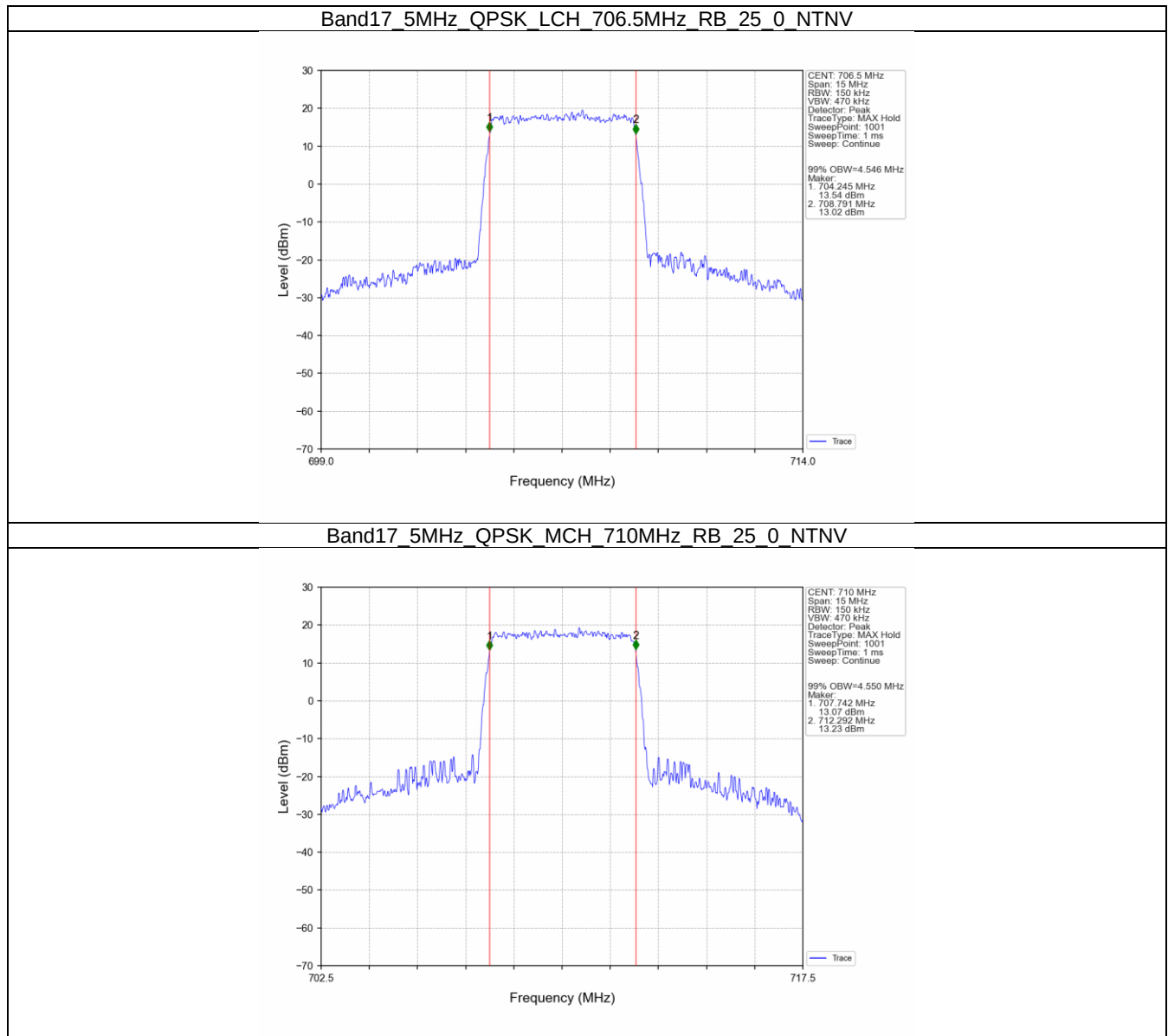
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.546	/	Pass
		710	25	0	4.550	/	Pass
		713.5	25	0	4.583	/	Pass
	16QAM	706.5	25	0	4.547	/	Pass
		710	25	0	4.570	/	Pass
		713.5	25	0	4.556	/	Pass
10	QPSK	709	50	0	9.071	/	Pass
		710	50	0	9.083	/	Pass
		711	50	0	9.053	/	Pass
	16QAM	709	50	0	9.058	/	Pass
		710	50	0	9.067	/	Pass
		711	50	0	9.076	/	Pass

4.1.2 Band17_XDB

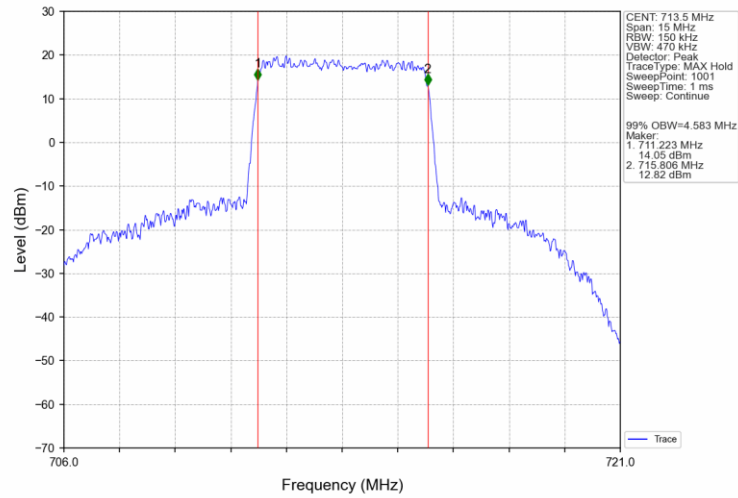
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.061	/	Pass
		710	25	0	5.055	/	Pass
		713.5	25	0	5.044	/	Pass
	16QAM	706.5	25	0	5.058	/	Pass
		710	25	0	5.051	/	Pass
		713.5	25	0	5.063	/	Pass
10	QPSK	709	50	0	9.970	/	Pass
		710	50	0	10.024	/	Pass
		711	50	0	10.064	/	Pass
	16QAM	709	50	0	10.046	/	Pass
		710	50	0	10.001	/	Pass
		711	50	0	10.035	/	Pass

4.2 Test Graph

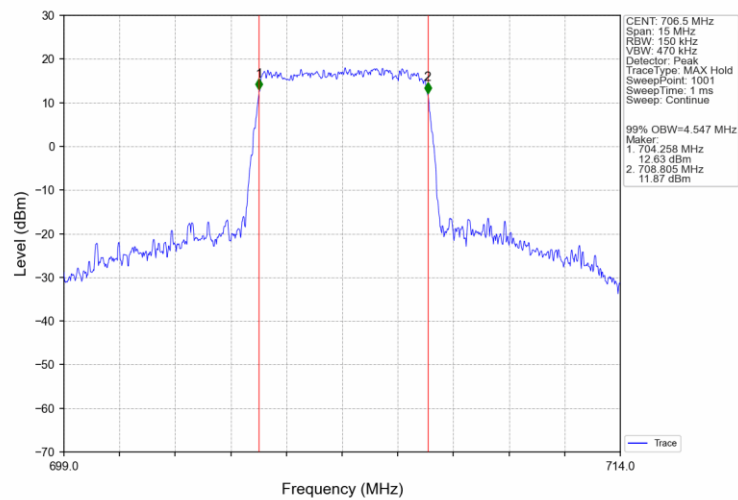
4.2.1 Band17_OBW



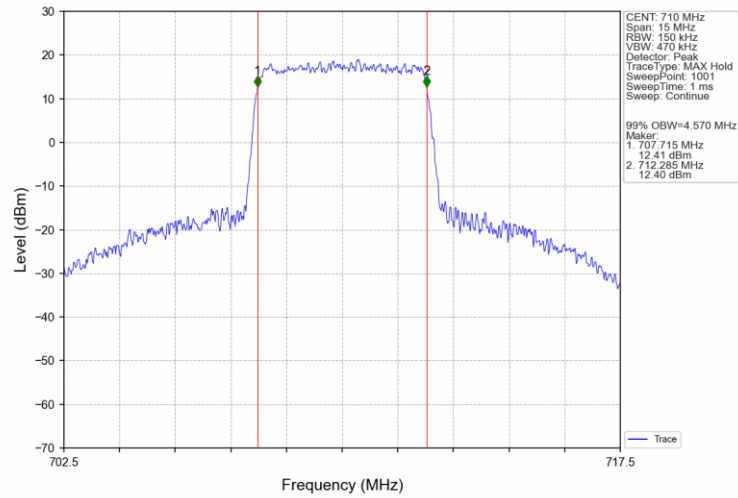
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



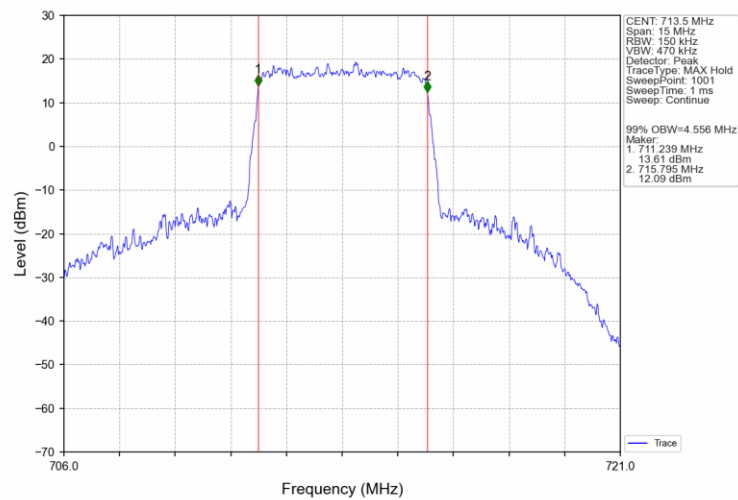
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



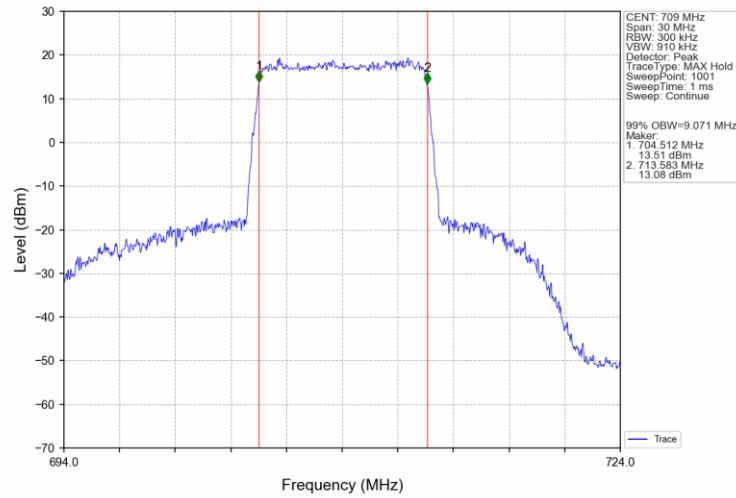
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



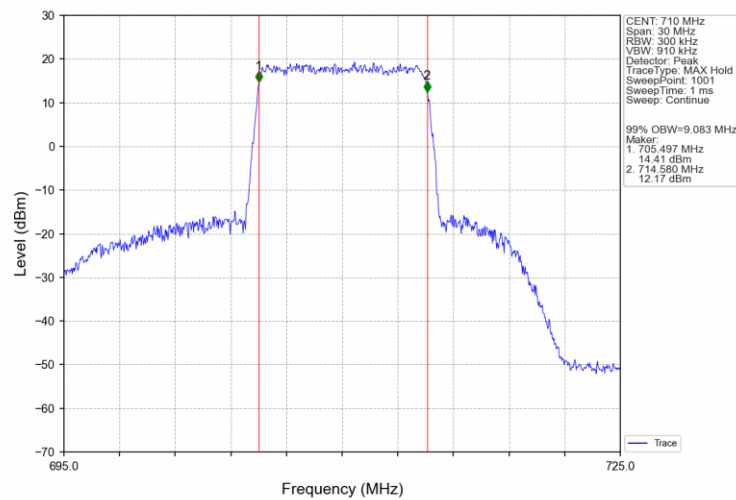
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



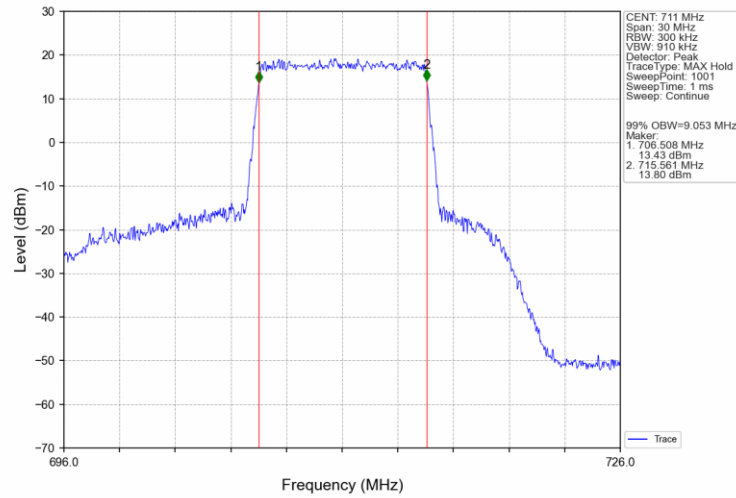
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN



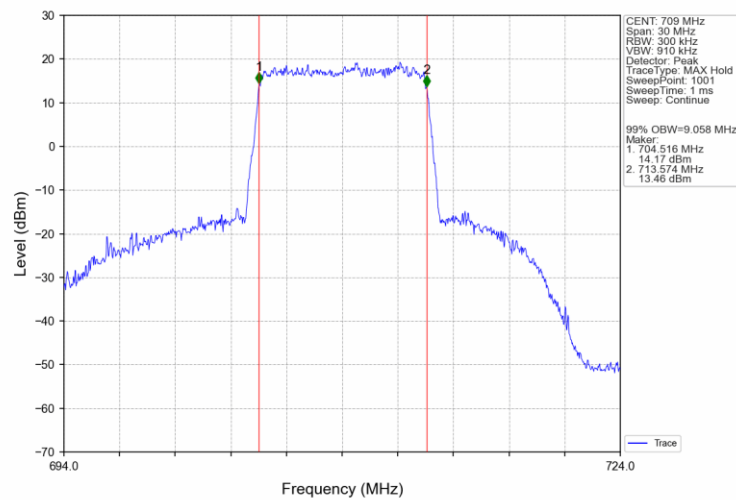
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN



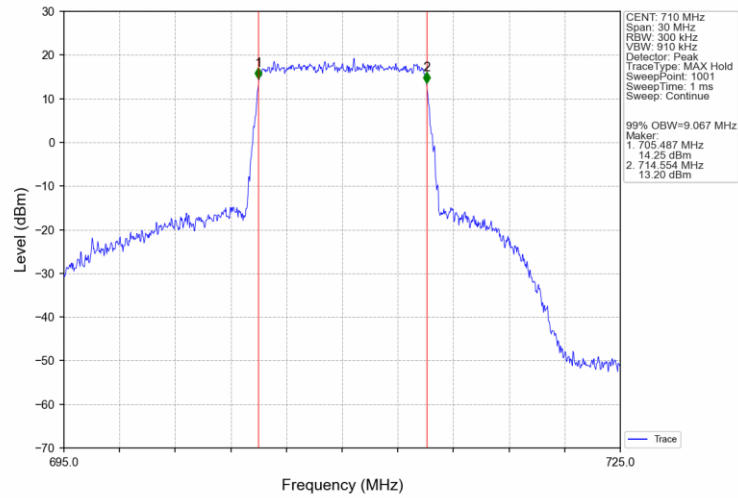
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



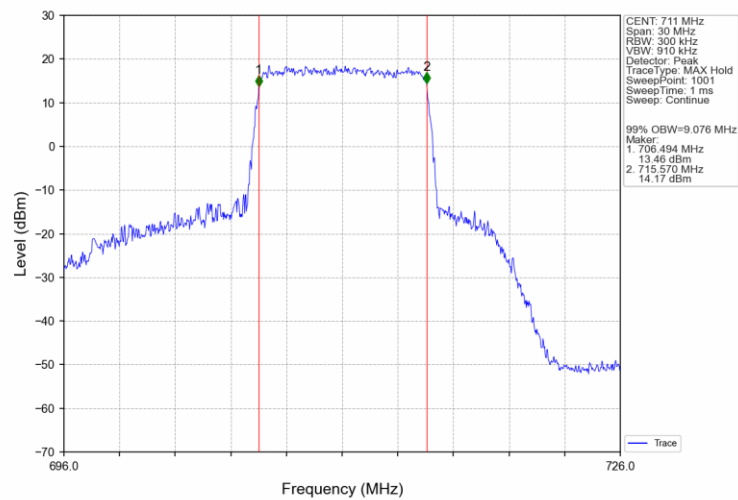
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

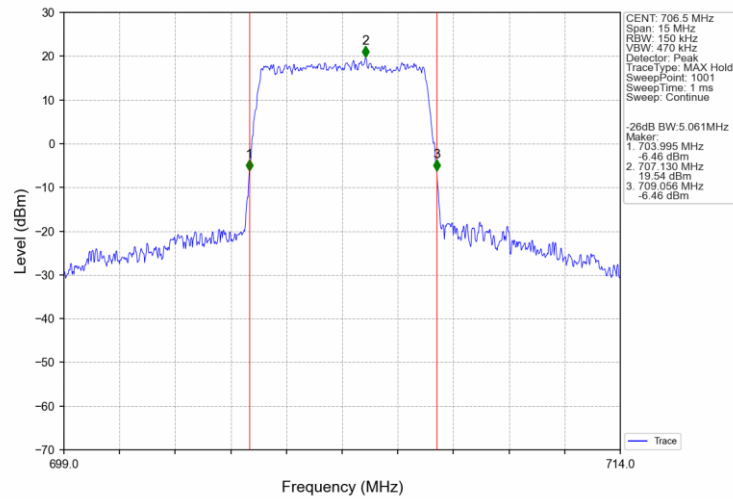


Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV

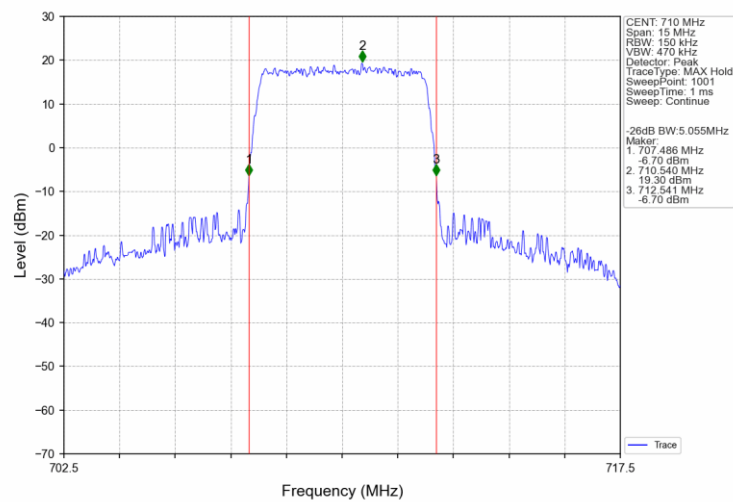


4.2.2 Band17_XDB

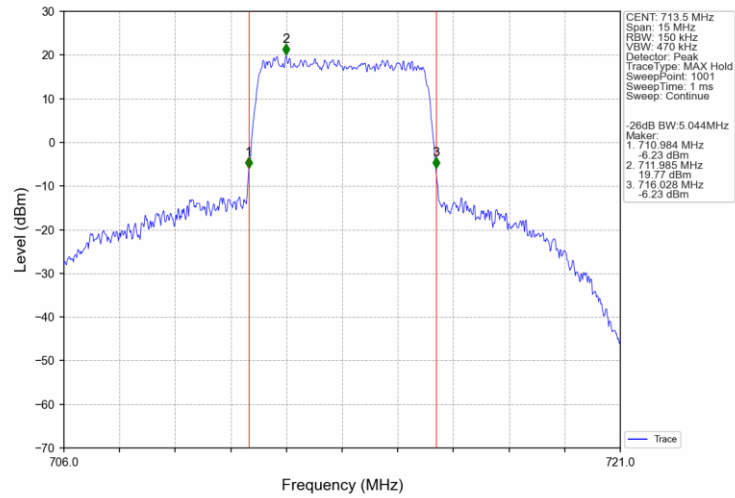
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



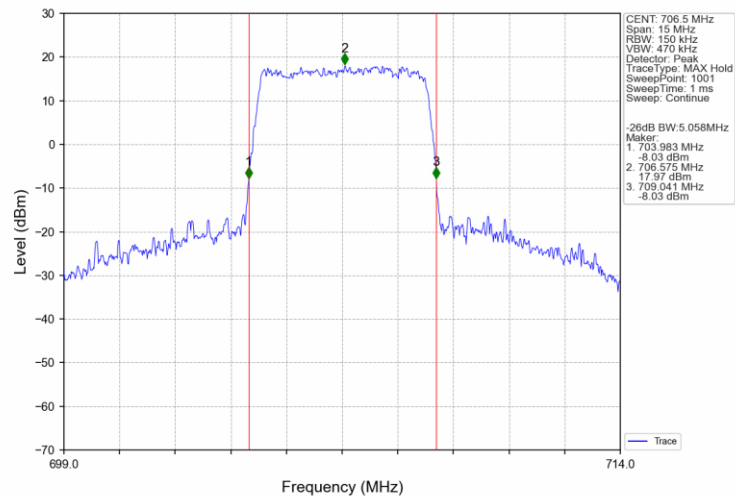
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



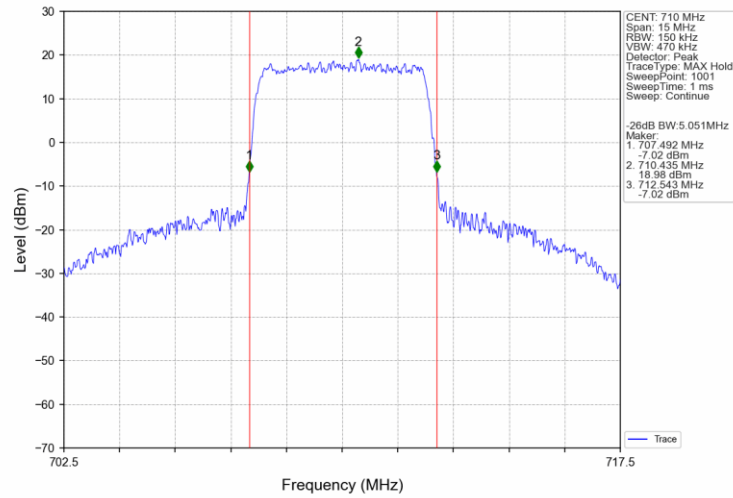
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



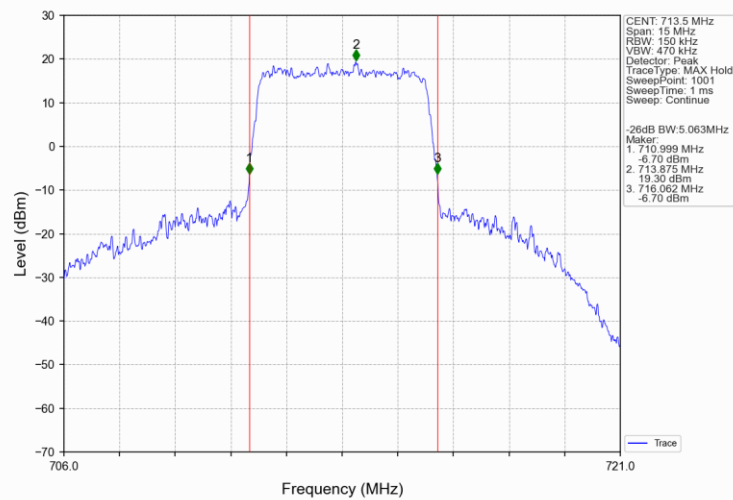
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



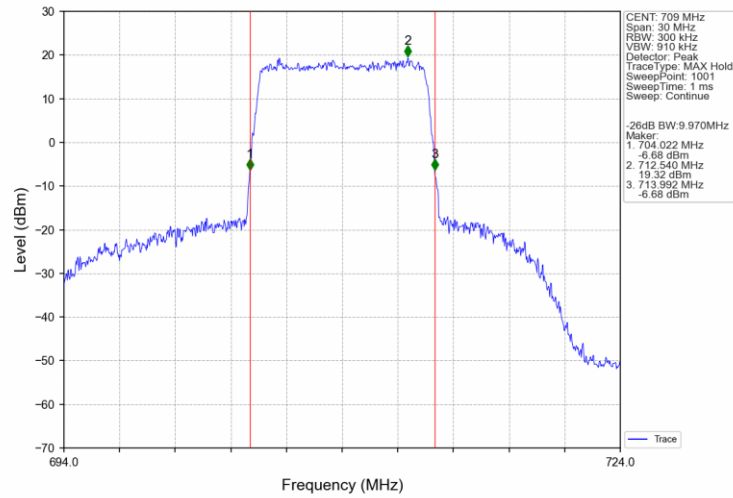
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



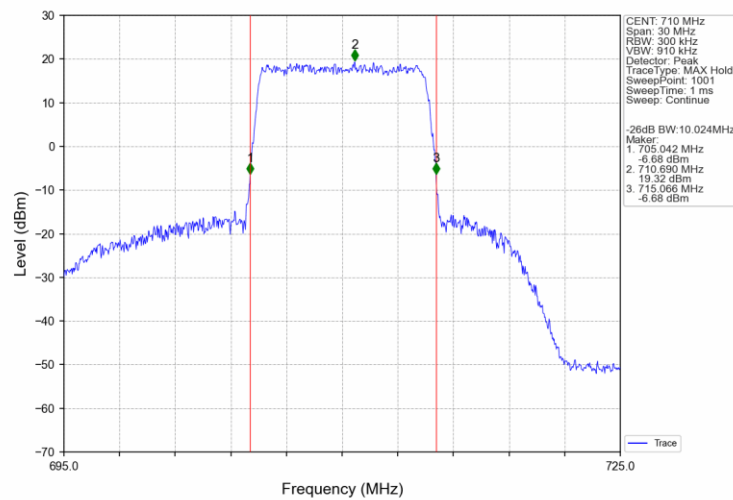
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



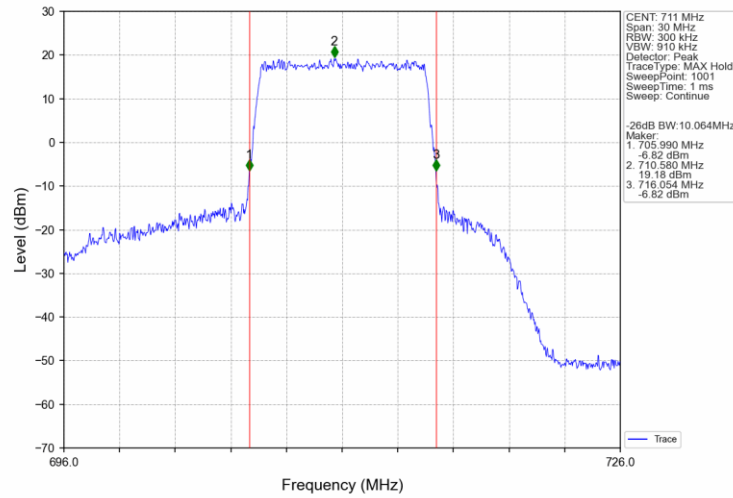
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV



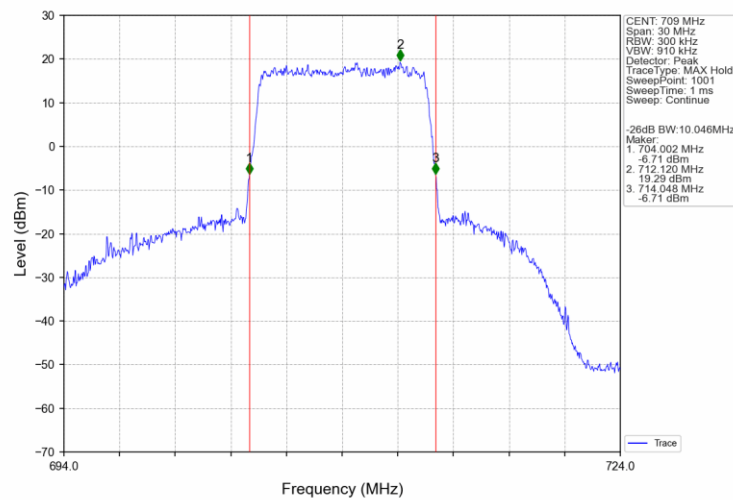
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



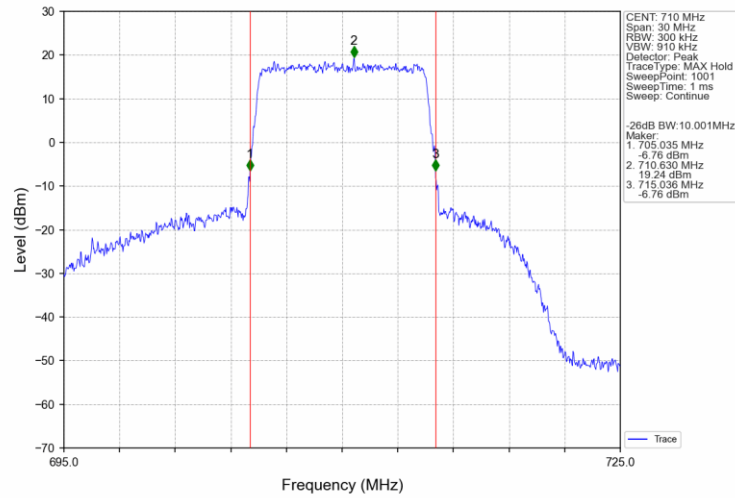
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



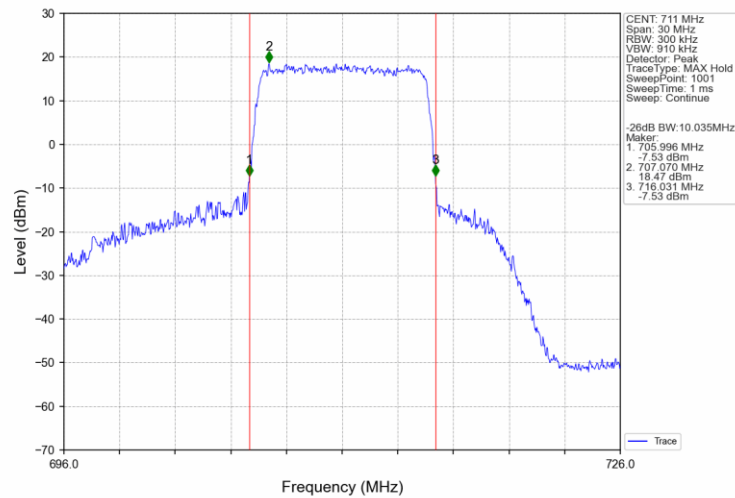
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

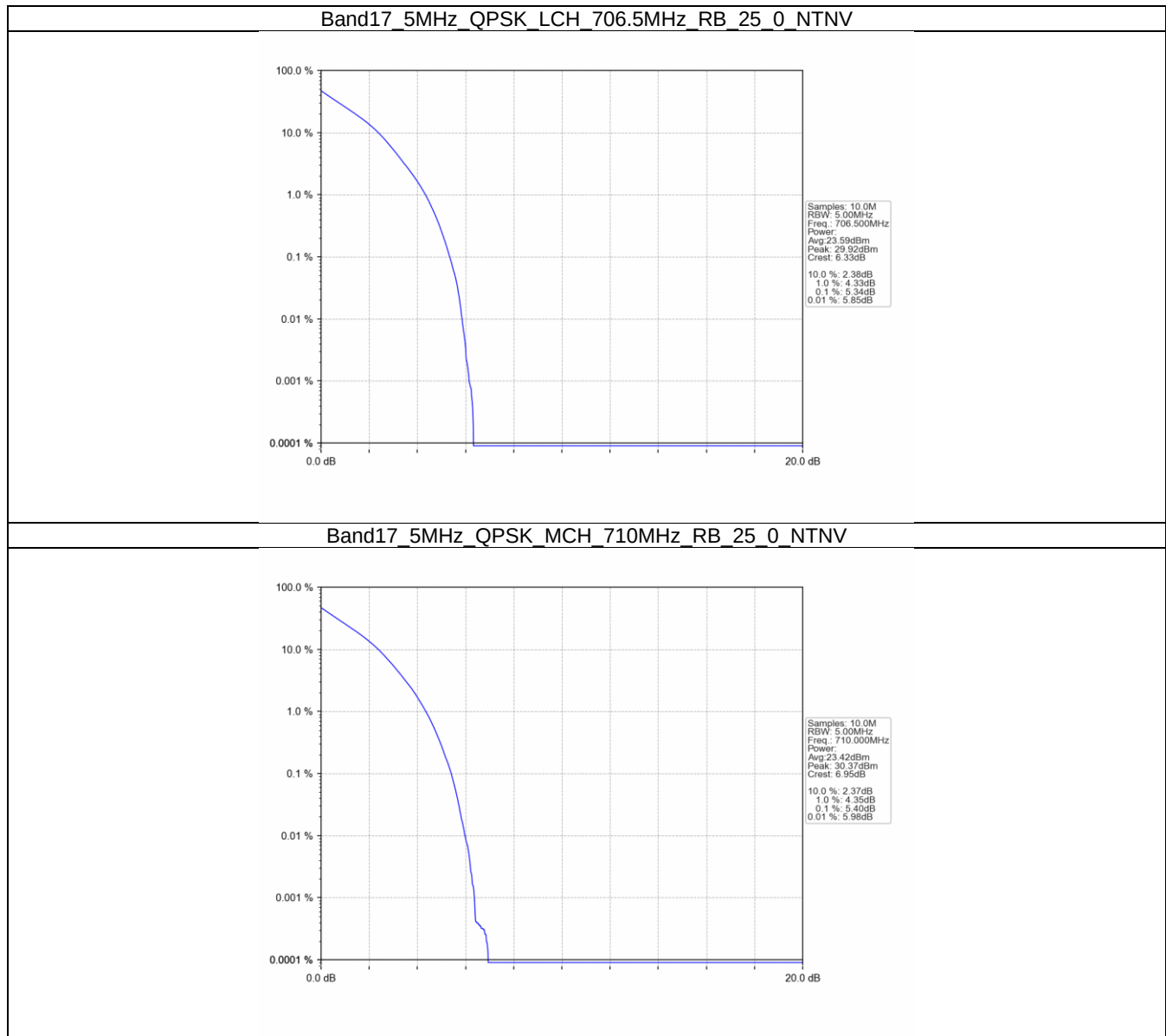
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.34	<=13	Pass
	710	25	0	5.40	<=13	Pass
	713.5	25	0	4.97	<=13	Pass
16QAM	706.5	25	0	6.15	<=13	Pass
	710	25	0	5.99	<=13	Pass
	713.5	25	0	5.79	<=13	Pass

5.1.2 B17_10MHz

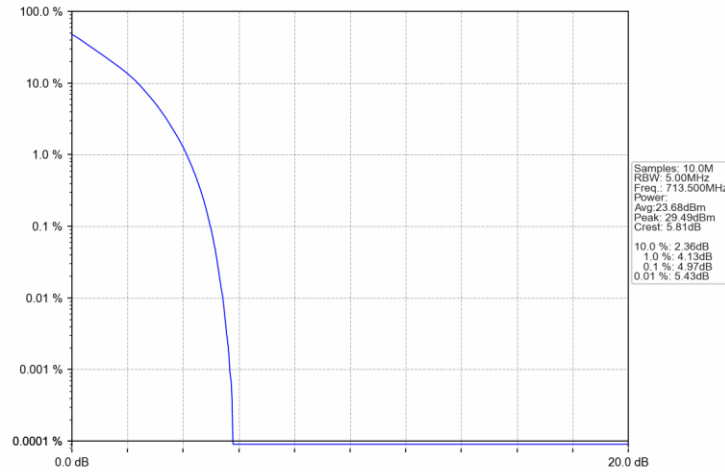
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.44	<=13	Pass
	710	50	0	5.30	<=13	Pass
	711	50	0	5.24	<=13	Pass
16QAM	709	50	0	6.01	<=13	Pass
	710	50	0	5.95	<=13	Pass
	711	50	0	5.88	<=13	Pass

5.2 Test Graph

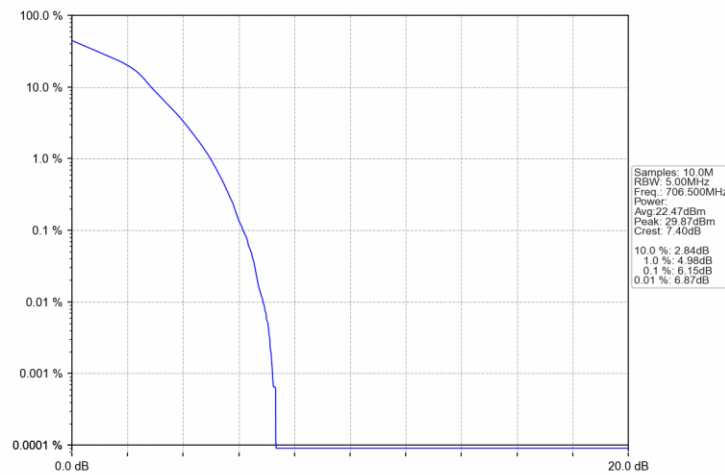
5.2.1 B17_5MHz



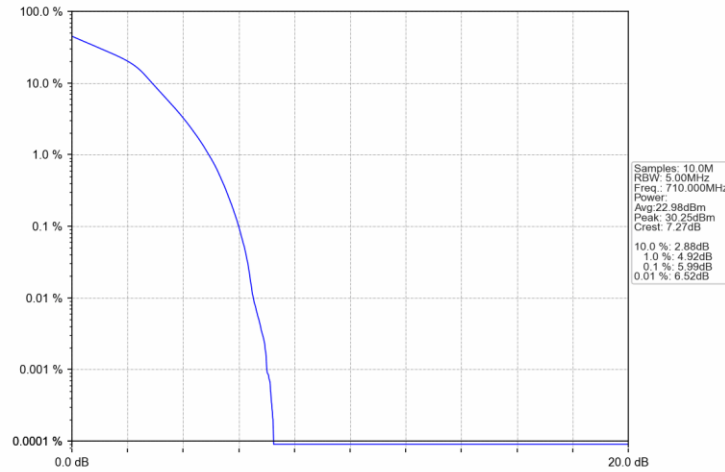
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



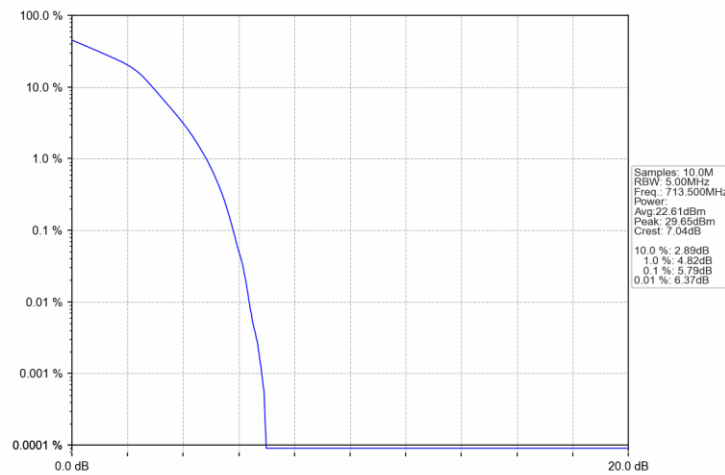
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTV

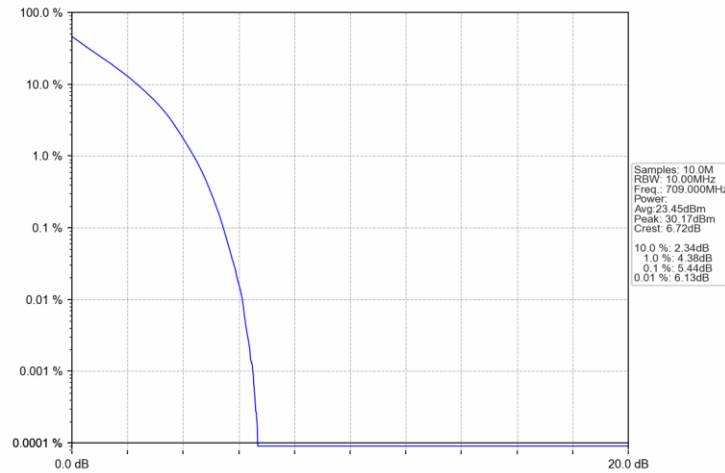


Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV

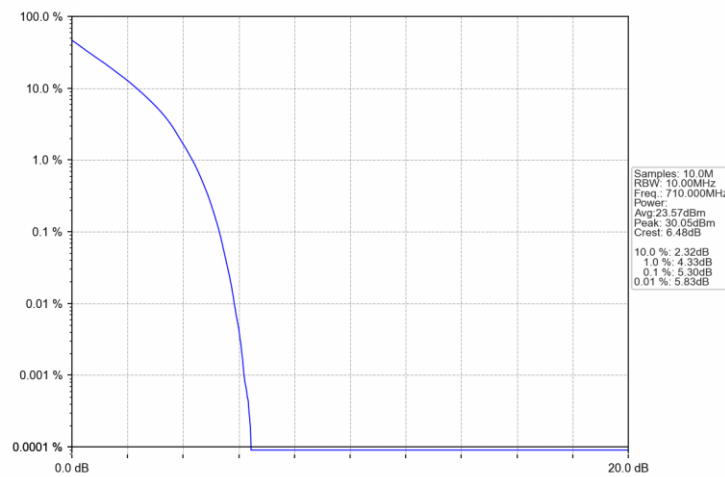


5.2.2 B17_10MHz

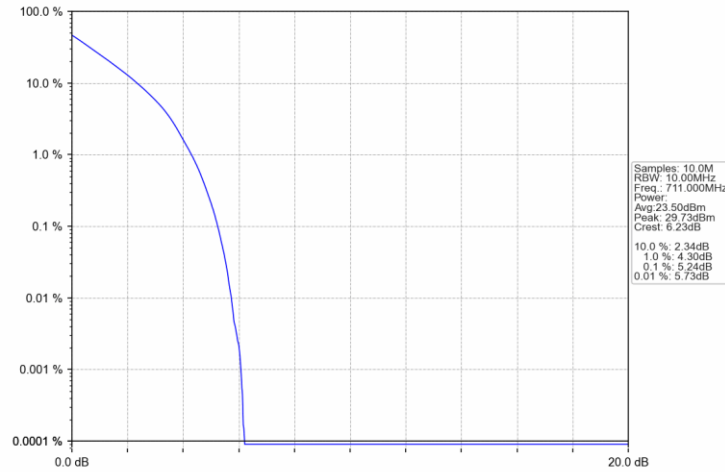
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



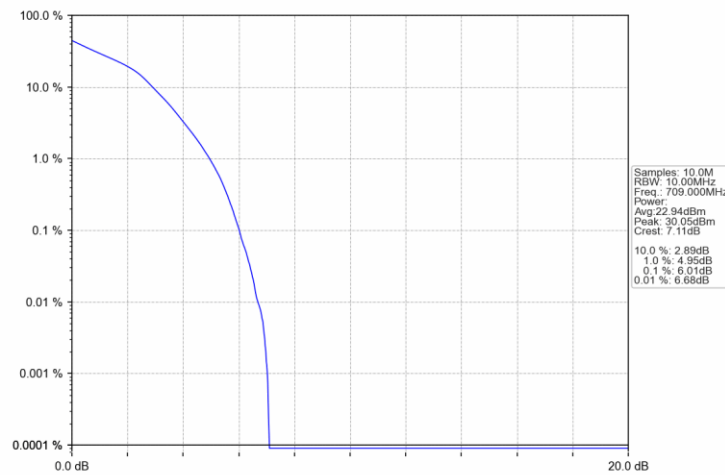
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



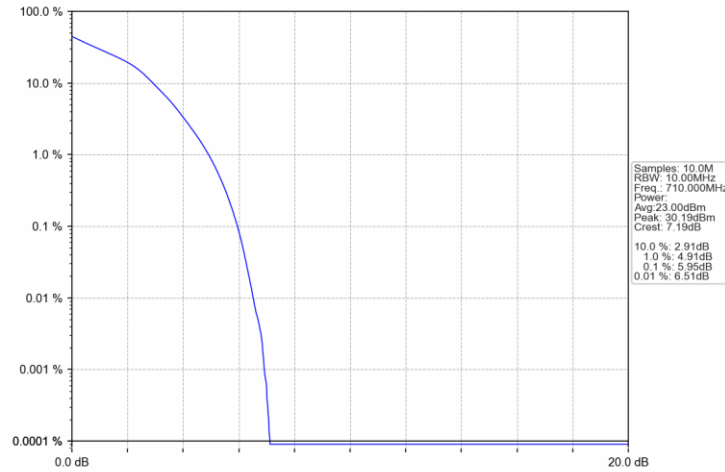
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



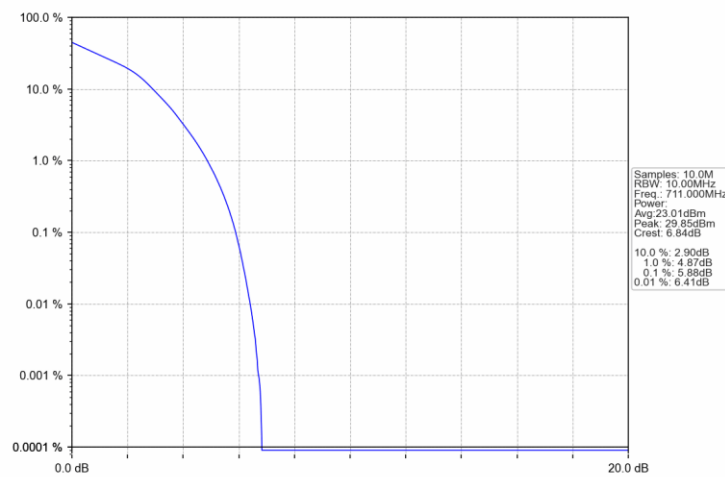
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

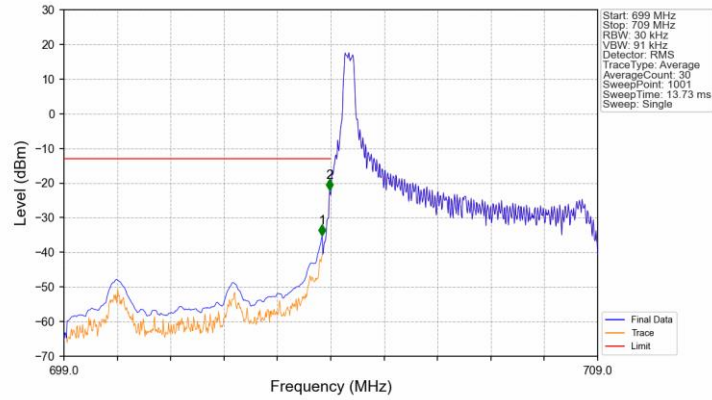
6.1.2 B17_10MHz

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
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

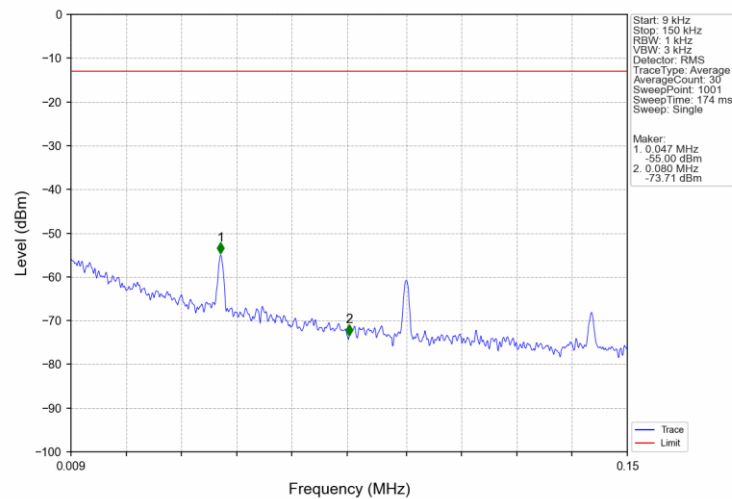
6.2 Test Graph

6.2.1 B17_5MHz

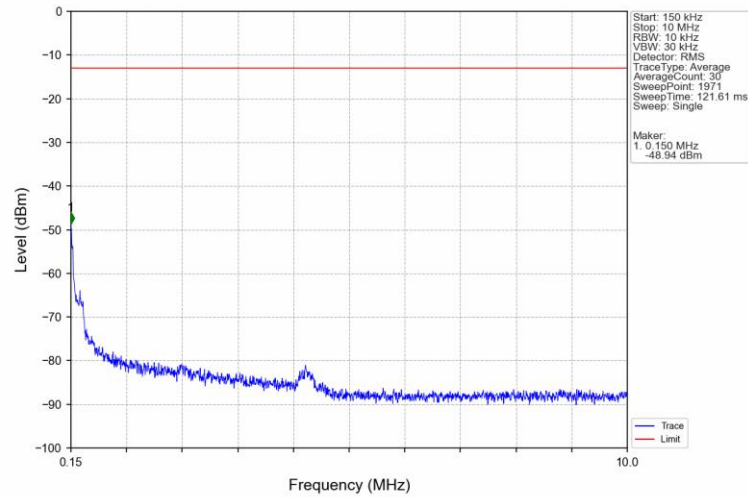
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



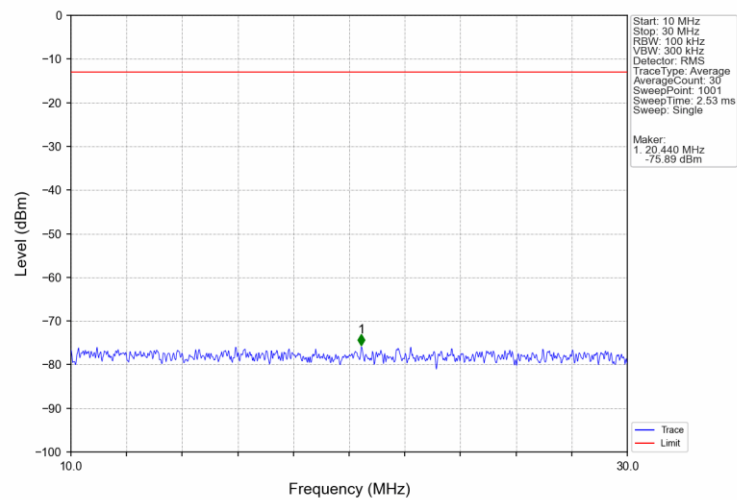
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



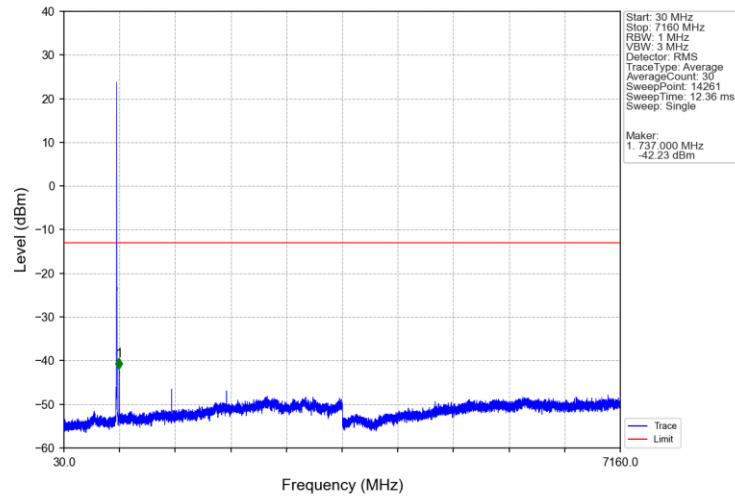
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



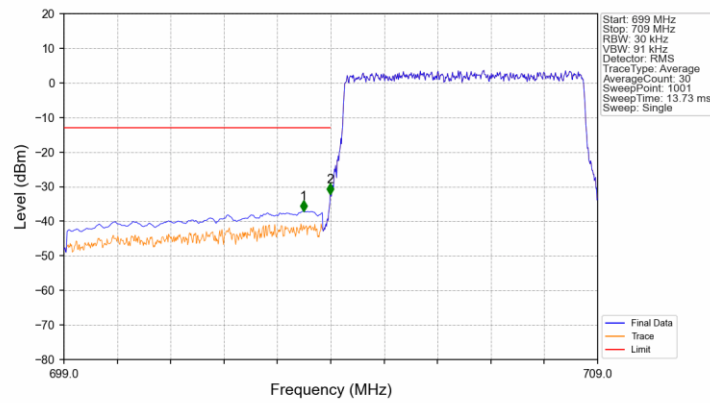
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV

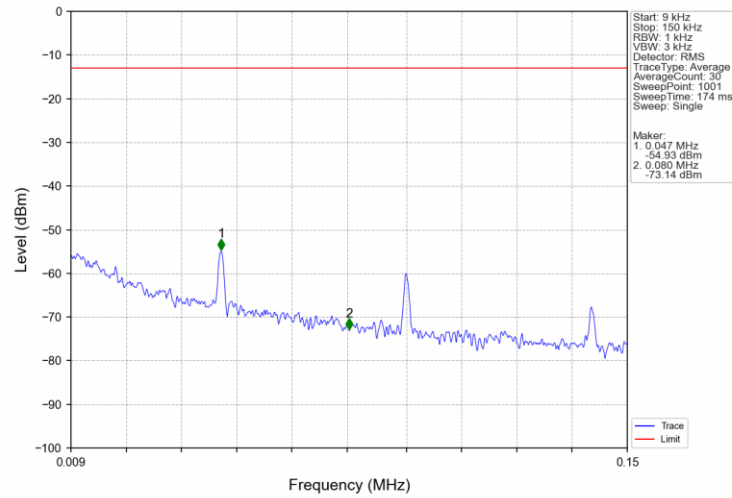


Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV

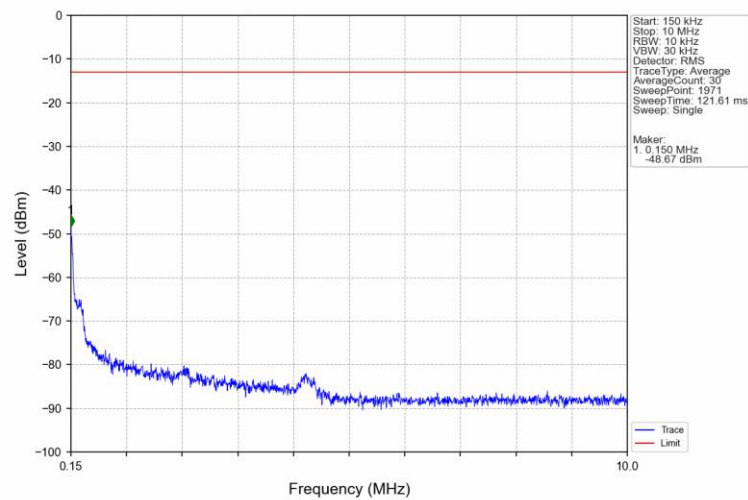


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.490	-37.10	-13	Pass
703.9	704	0.03	/	2	703.990	-32.16	-13	Pass
704	709	0.03	/	/	/	/	/	/

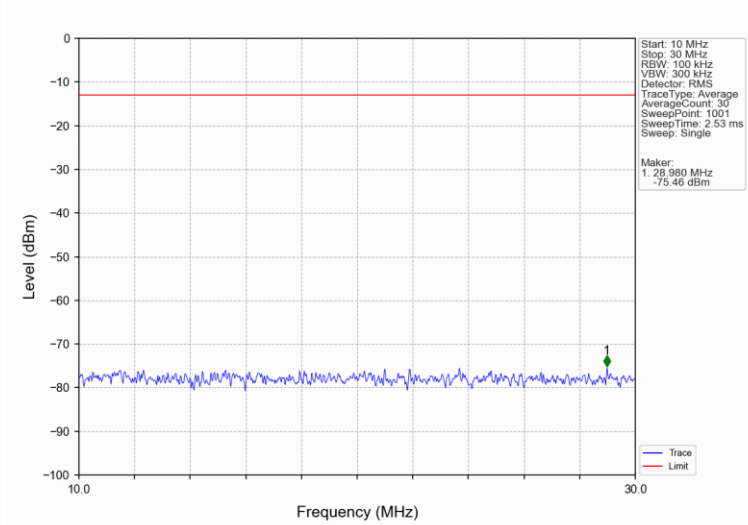
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



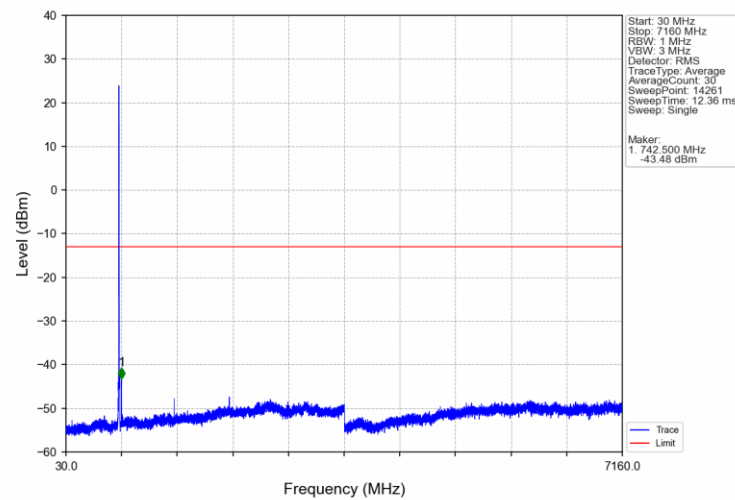
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



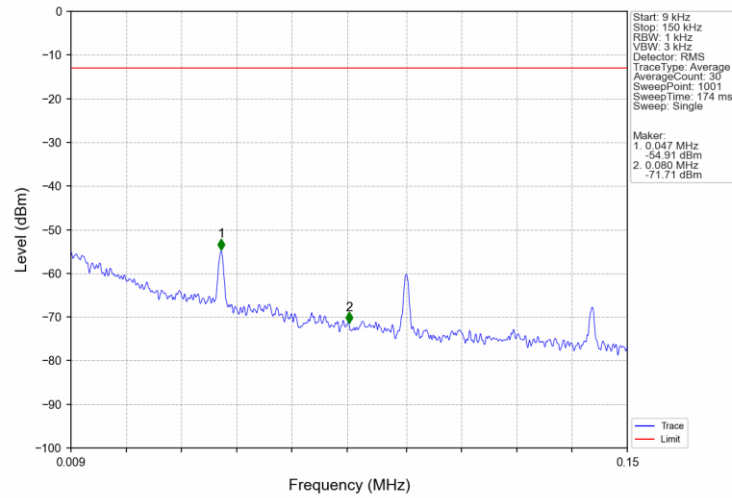
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



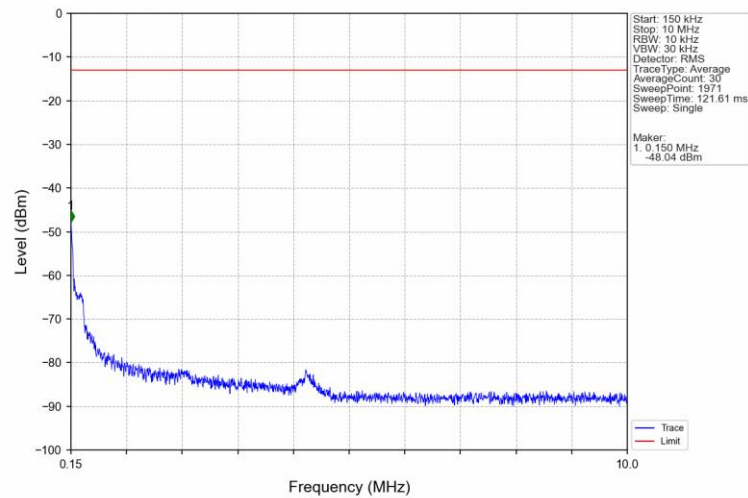
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



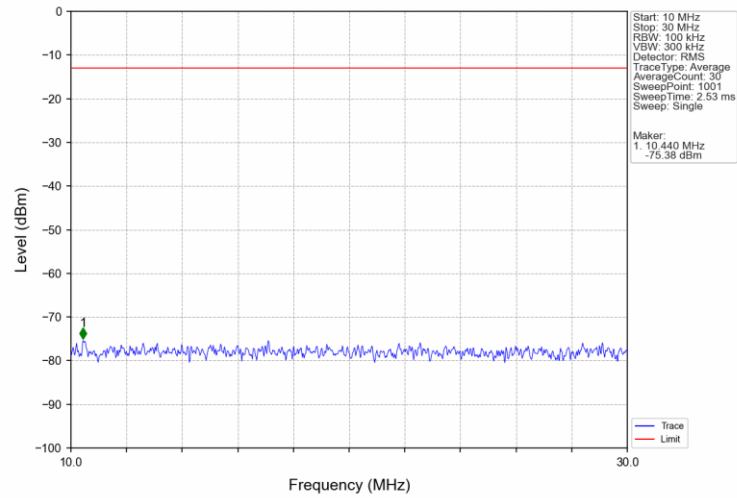
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



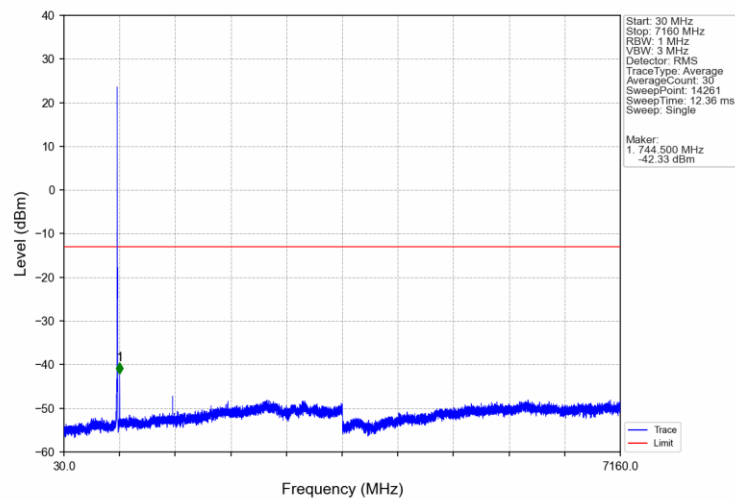
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



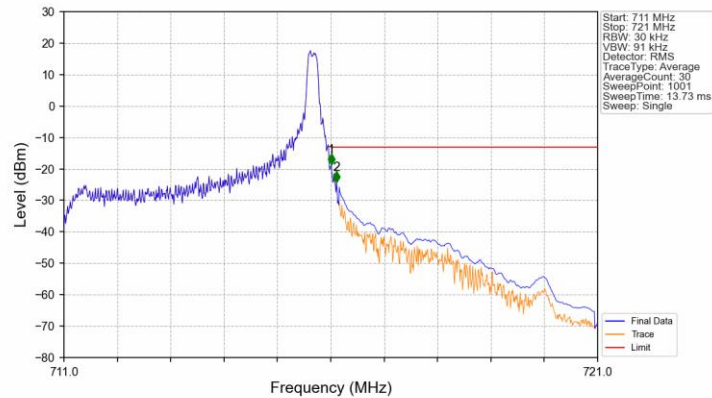
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

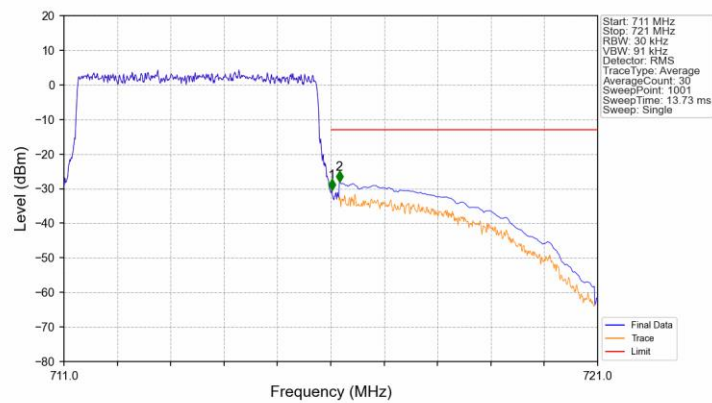


Band17 5MHz QPSK HCH 713.5MHz RB 1 24 NTV



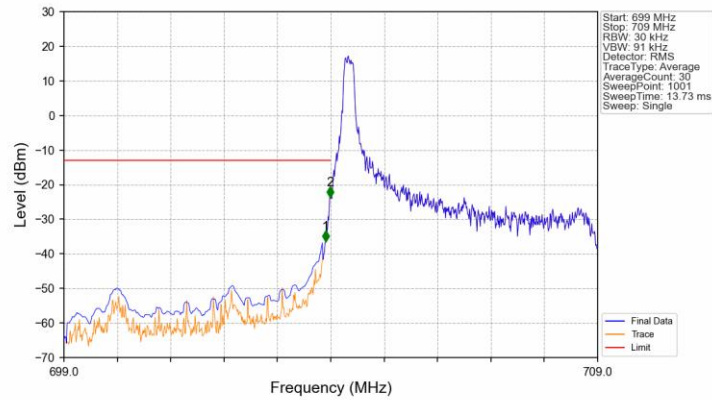
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-18.55	-13	Pass
716.1	721	0.1	CHP	2	716.110	-24.15	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



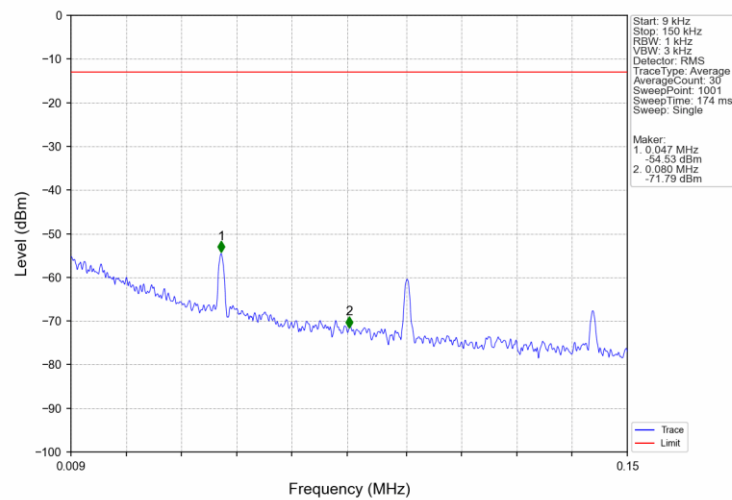
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-30.40	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.07	-13	Pass

Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV

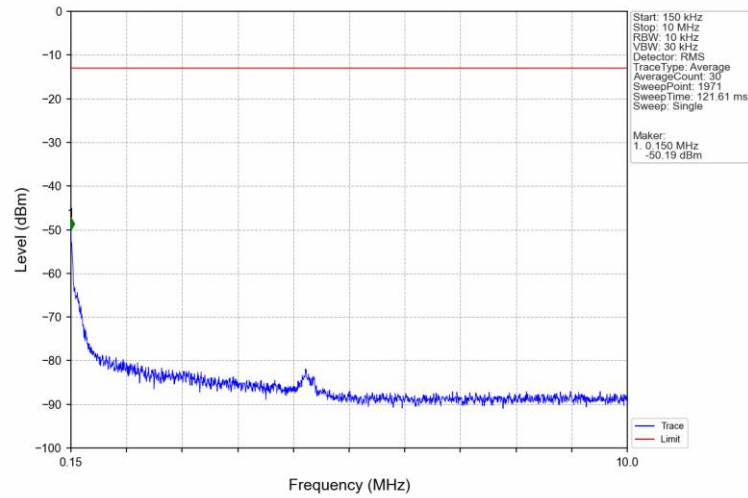


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.900	-36.43	-13	Pass
703.9	704	0.03	/	2	703.990	-23.60	-13	Pass
704	709	0.03	/	/	/	/	/	/

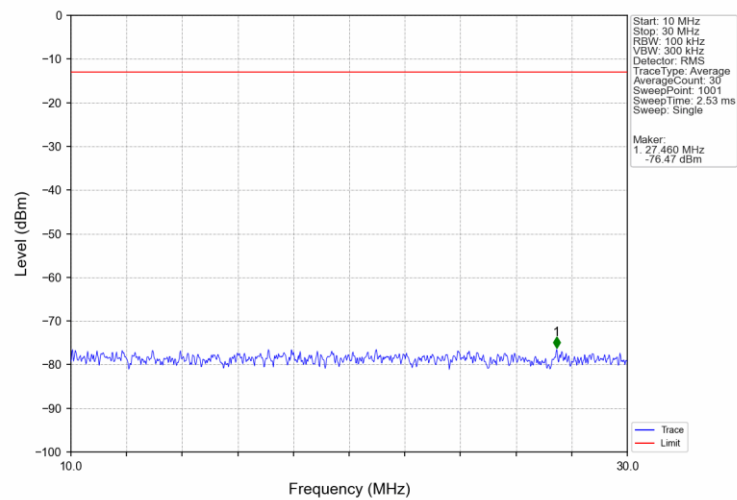
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV



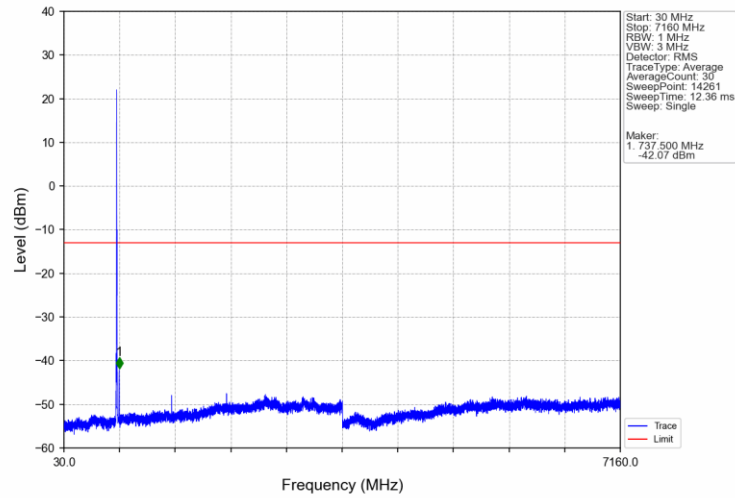
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTV



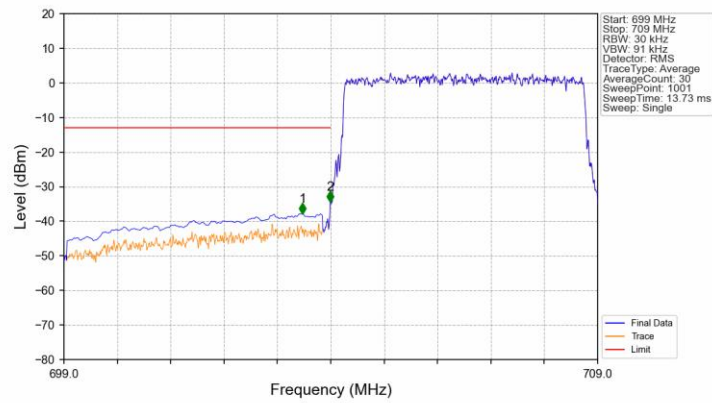
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTV



Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTV

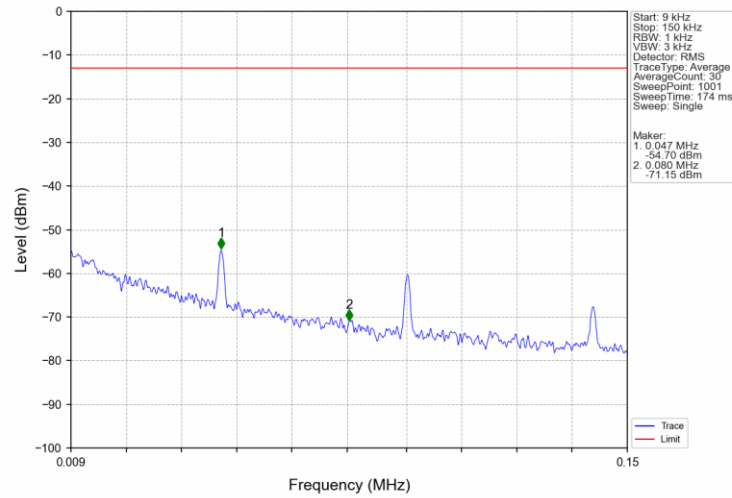


Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV

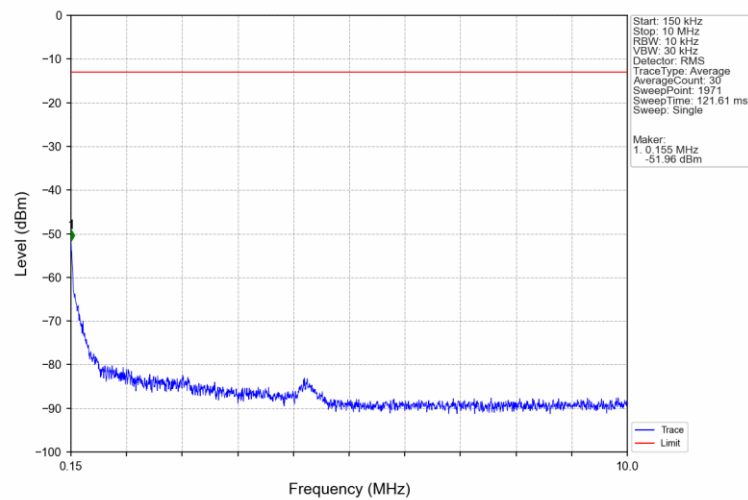


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.470	-37.85	-13	Pass
703.9	704	0.03	/	2	703.990	-34.42	-13	Pass
704	709	0.03	/	/	/	/	/	/

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

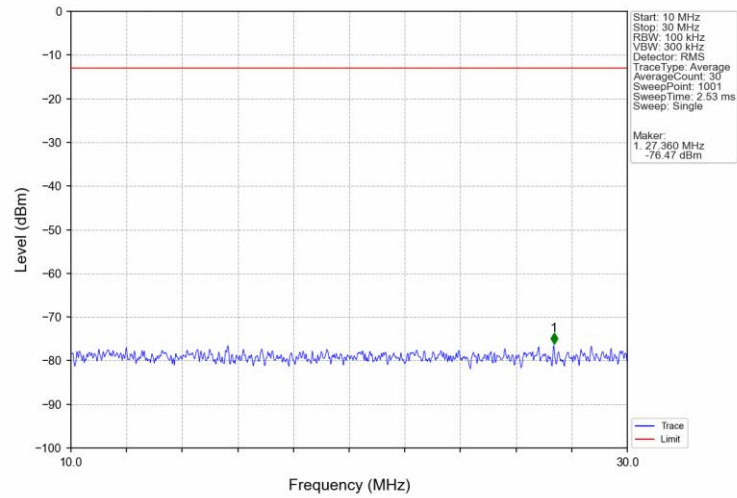


Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN

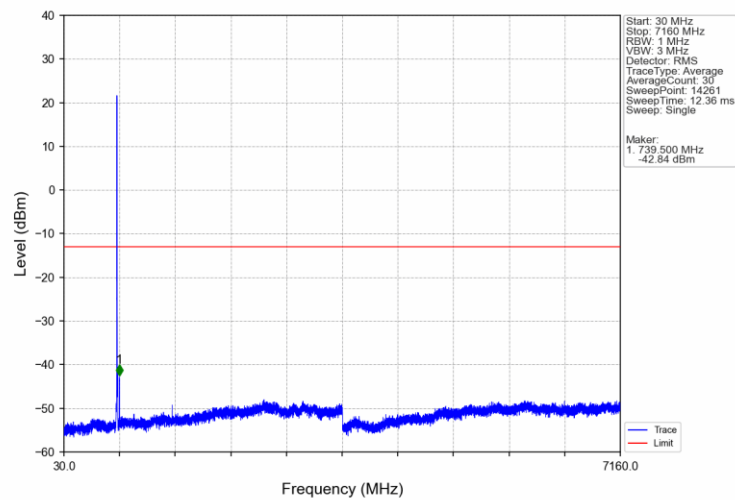




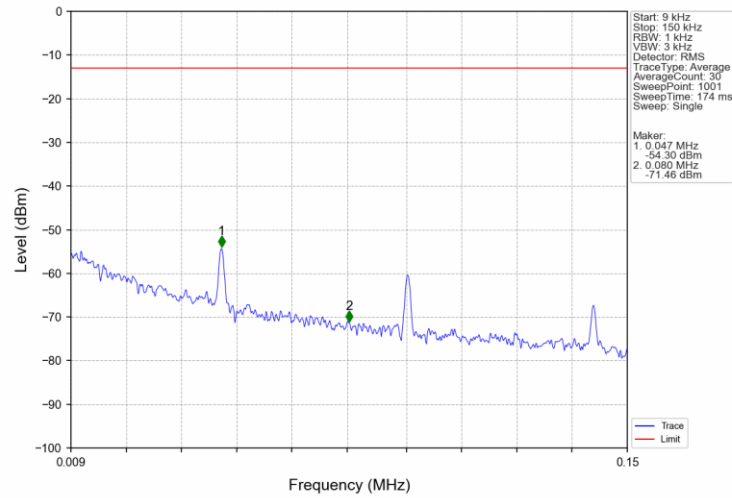
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



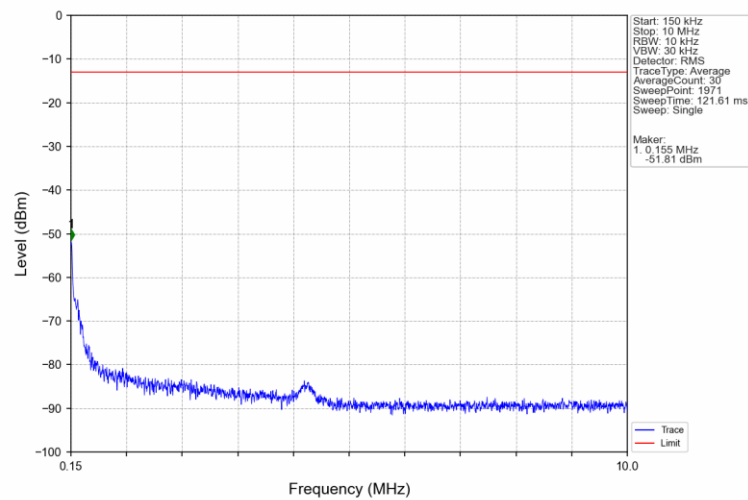
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



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

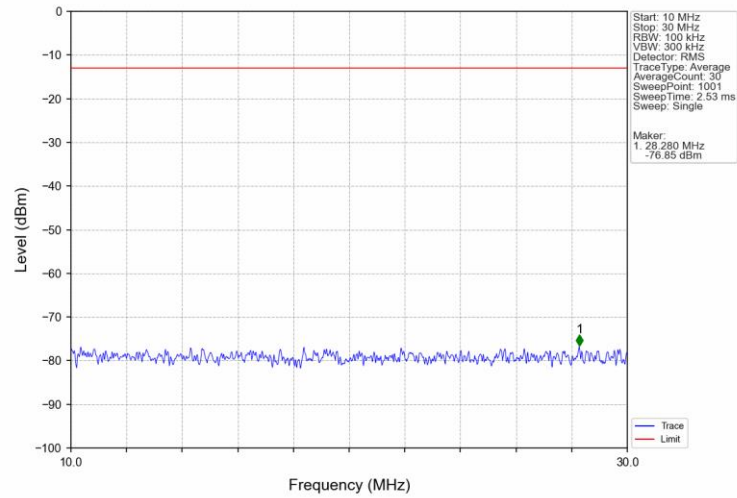


Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV

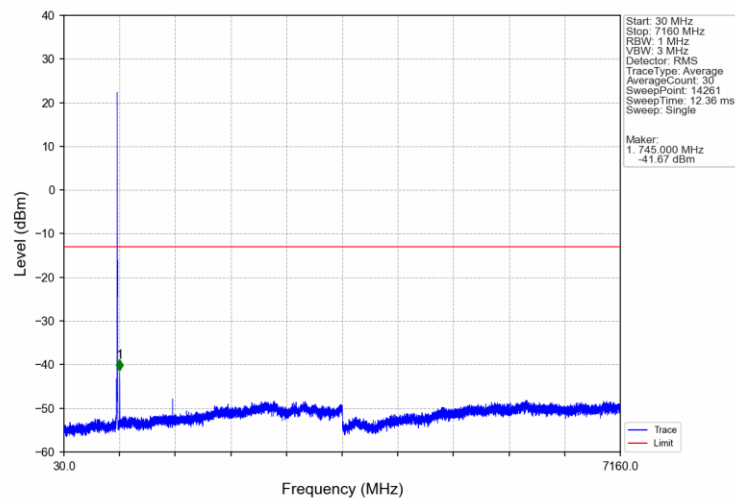




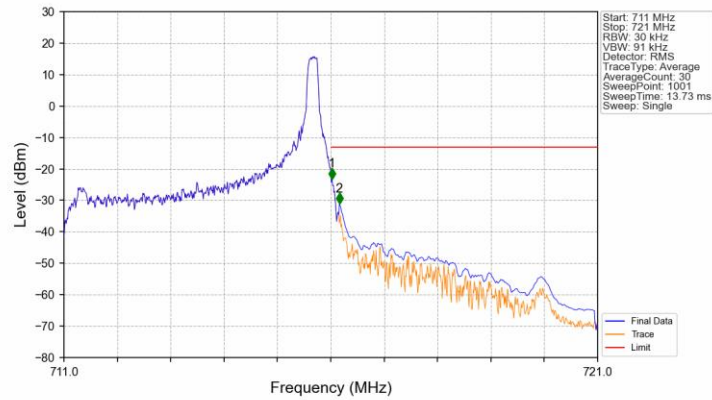
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

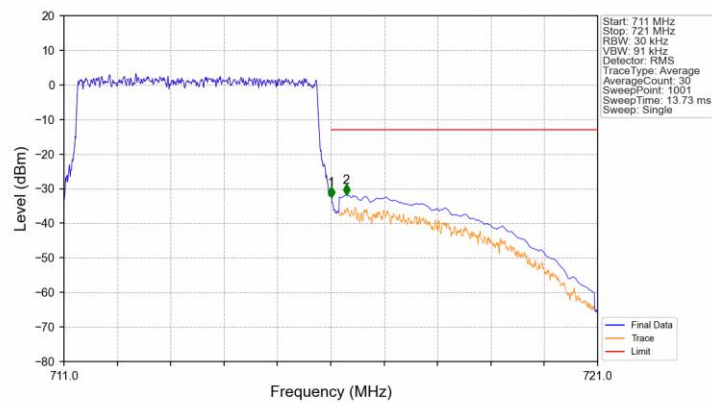


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTV



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	716.020	-23.13	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.11	-13	Pass

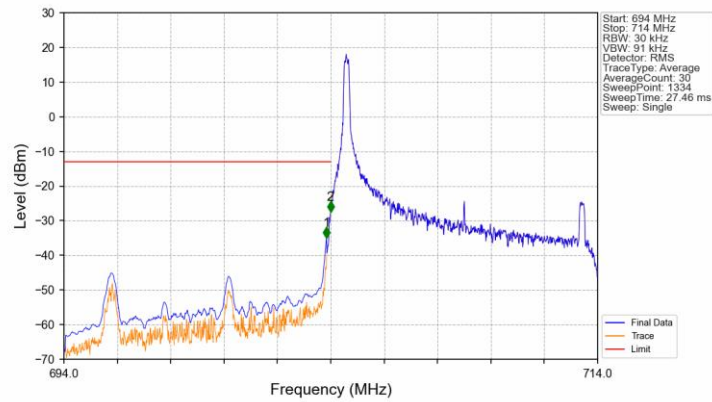
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV



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	716.010	-32.51	-13	Pass
716.1	721	0.1	CHP	2	716.290	-31.79	-13	Pass

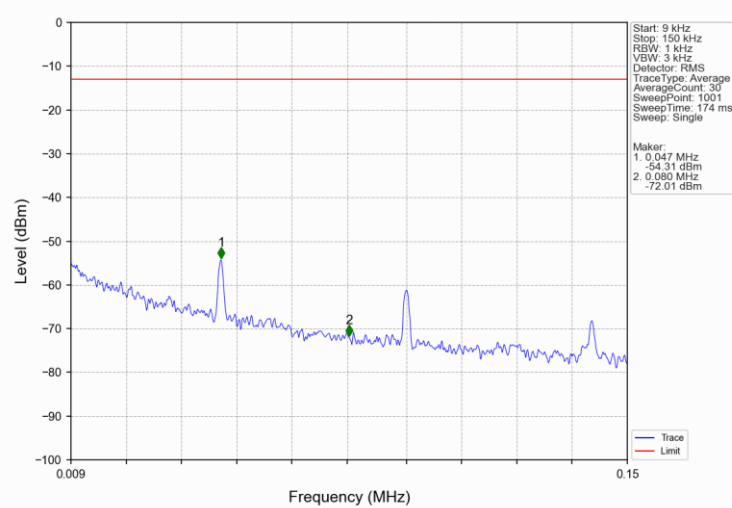
6.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

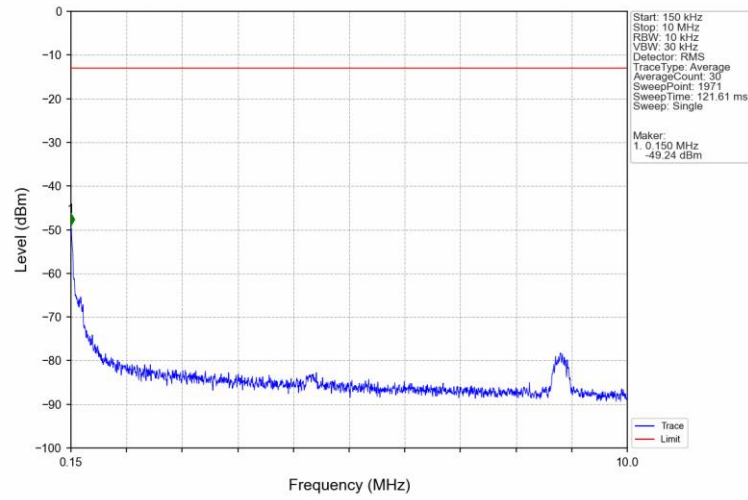


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.89	-13	Pass
703.9	704	0.03	/	2	703.992	-27.56	-13	Pass
704	714	0.03	/	/	/	/	/	/

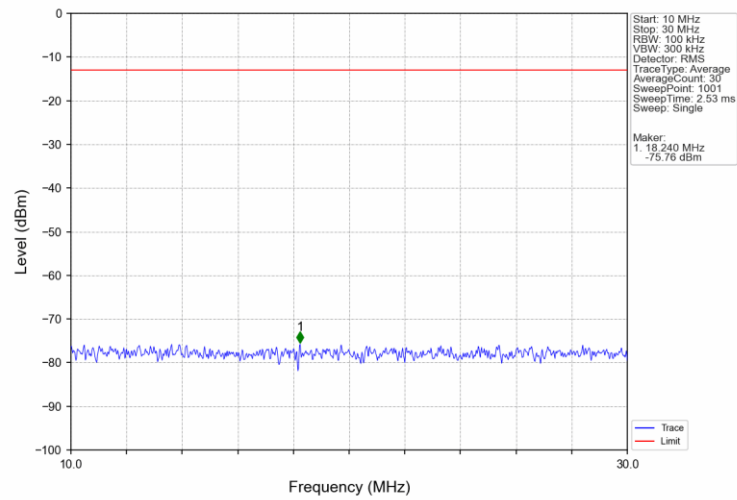
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



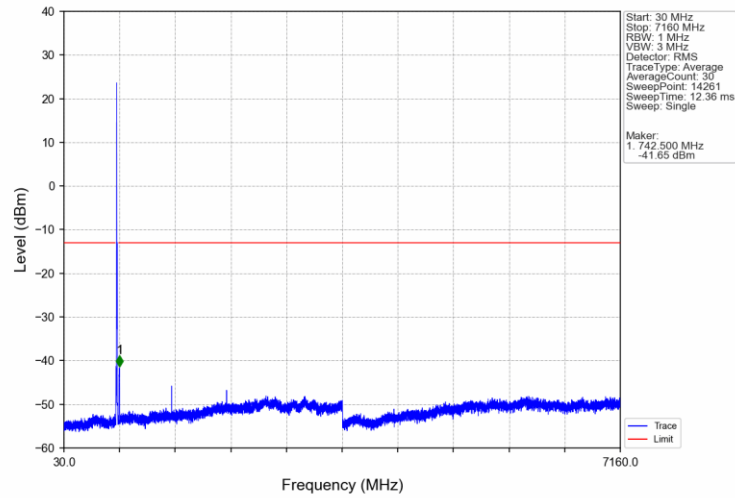
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



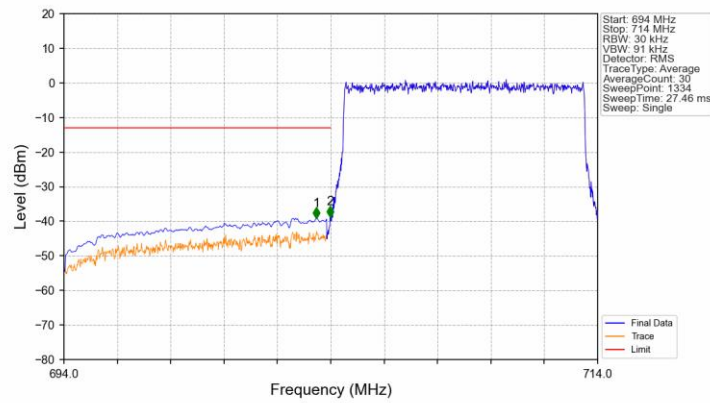
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17 10MHz QPSK LCH 709MHz RB 1 0 NTNV

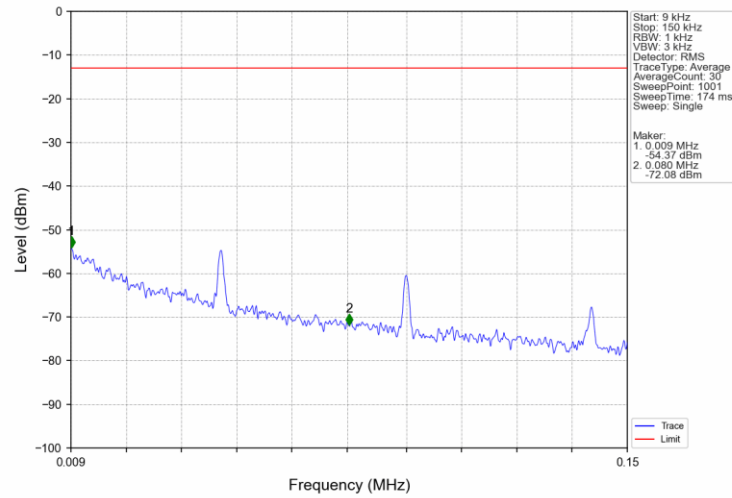


Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV

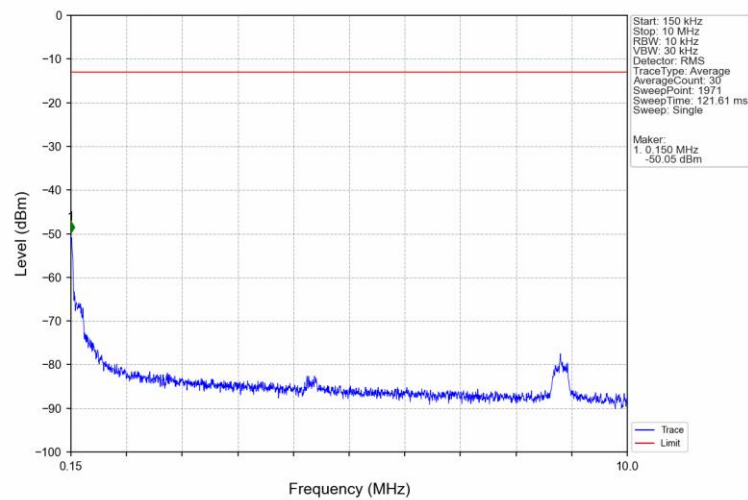


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.467	-39.08	-13	Pass
703.9	704	0.03	/	2	703.977	-38.69	-13	Pass
704	714	0.03	/	/	/	/	/	/

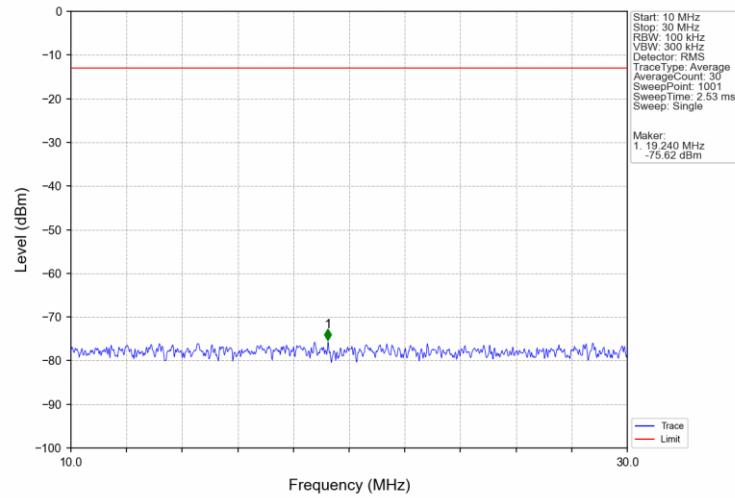
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



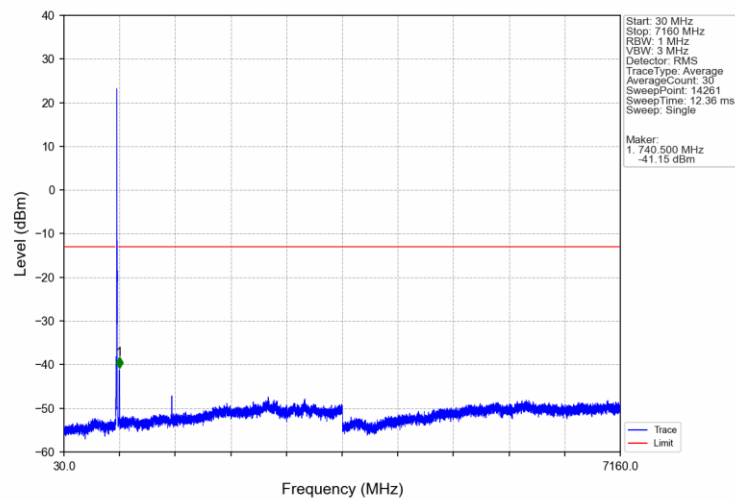
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



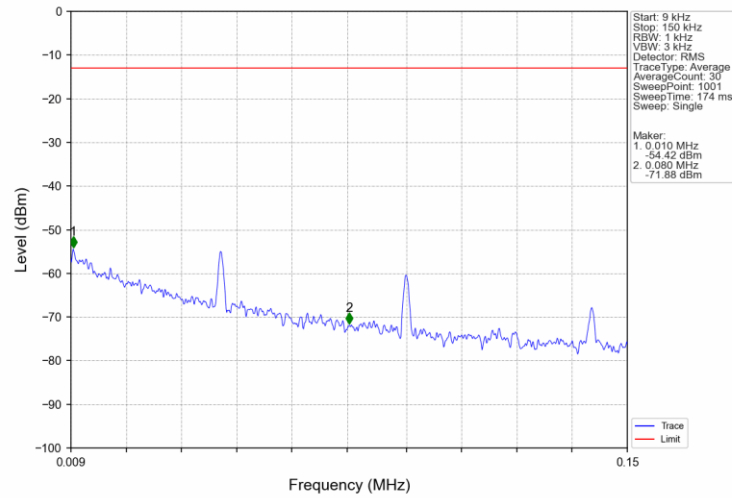
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



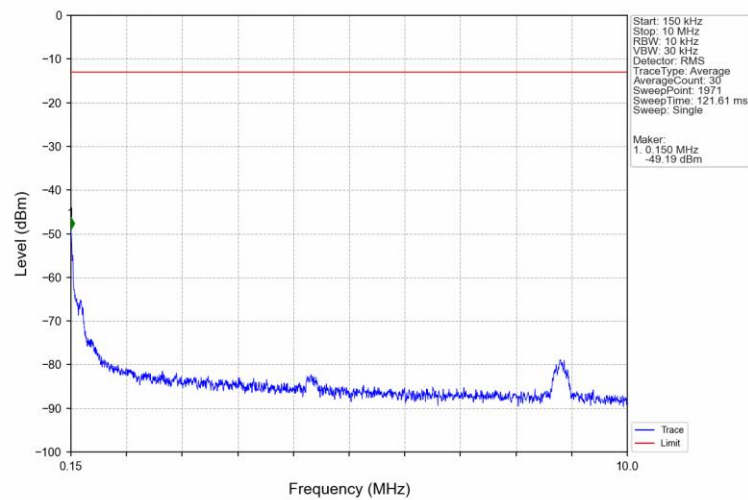
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTNV



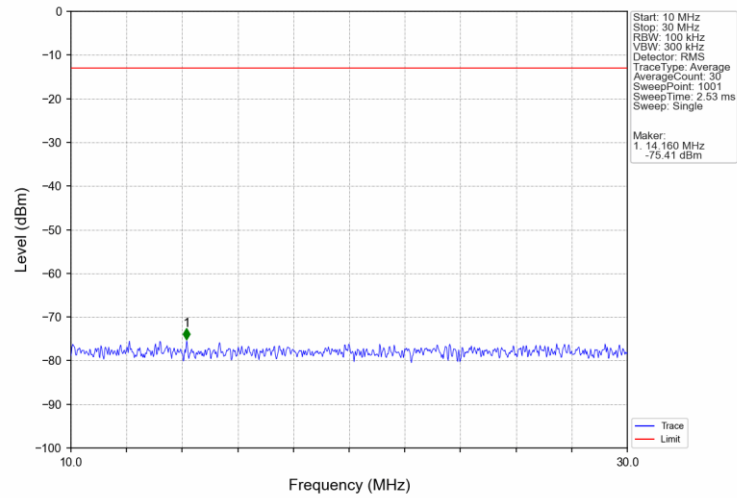
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



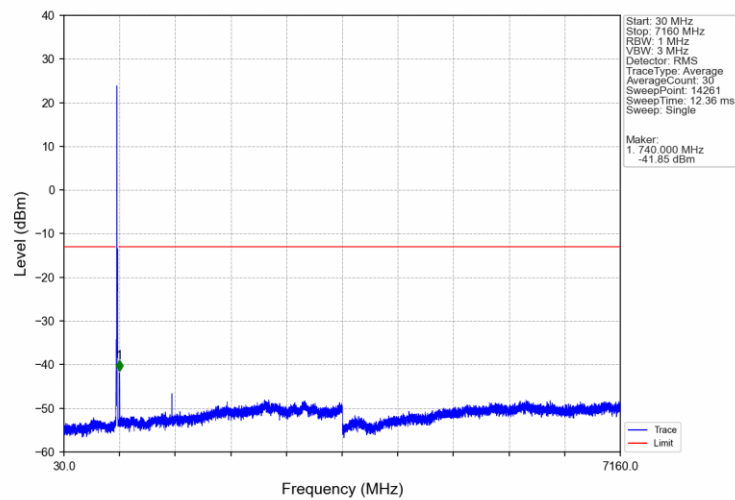
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV



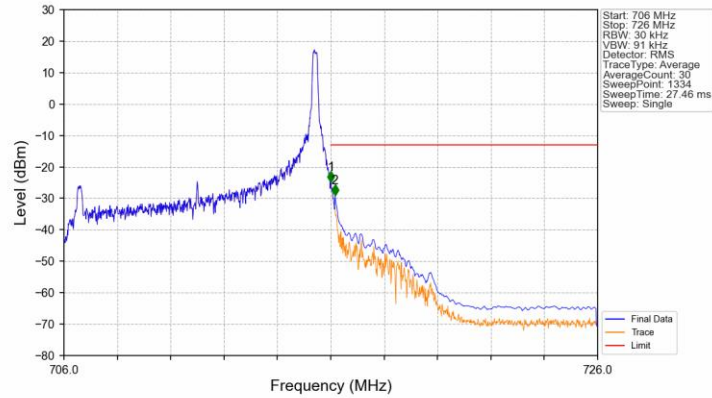
Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN



Band17 10MHz QPSK HCH 711MHz RB 1 0 NTN

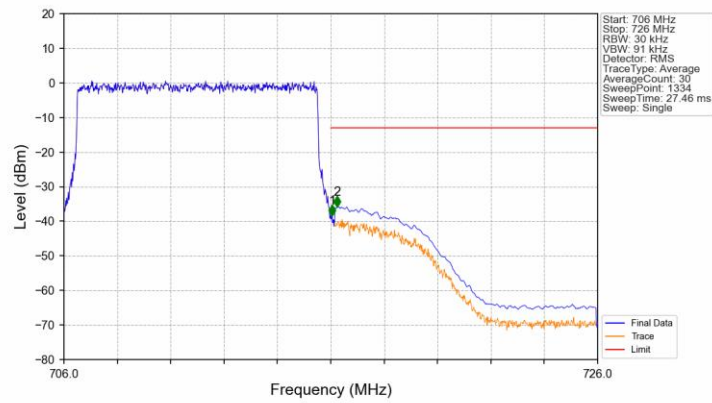


Band17 10MHz QPSK HCH 711MHz RB 1 49 NTNV



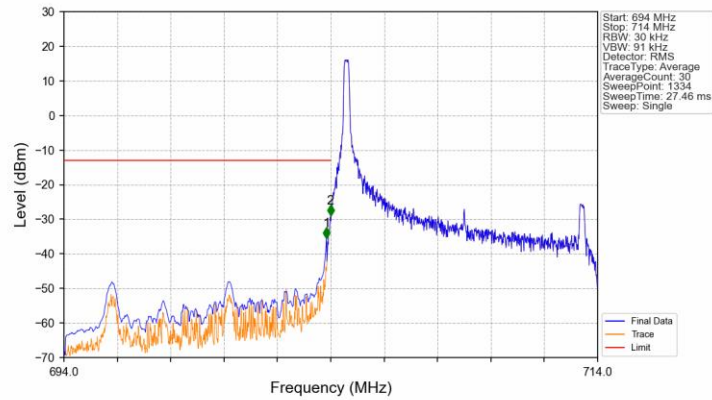
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-24.89	-13	Pass
716.1	726	0.1	CHP	2	716.158	-29.13	-13	Pass

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	716.053	-38.42	-13	Pass
716.1	726	0.1	CHP	2	716.248	-35.83	-13	Pass

Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.57	-13	Pass
703.9	704	0.03	/	2	703.992	-28.97	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17 10MHz 16QAM LCH 709MHz RB 1 0 NTNV

