

Appendix test data for LTE Band 17

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	23.83	-2.60	19.08	<=34.77	Pass
			13	23.48	-2.60	18.73	<=34.77	Pass
			24	23.57	-2.60	18.82	<=34.77	Pass
		12	0	22.87	-2.60	18.12	<=34.77	Pass
			6	22.85	-2.60	18.10	<=34.77	Pass
			13	22.87	-2.60	18.12	<=34.77	Pass
		25	0	22.89	-2.60	18.14	<=34.77	Pass
	710	1	0	23.56	-2.60	18.81	<=34.77	Pass
			13	23.53	-2.60	18.78	<=34.77	Pass
			24	23.63	-2.60	18.88	<=34.77	Pass
		12	0	22.95	-2.60	18.20	<=34.77	Pass
			6	22.92	-2.60	18.17	<=34.77	Pass
			13	22.85	-2.60	18.10	<=34.77	Pass
		25	0	22.90	-2.60	18.15	<=34.77	Pass
	713.5	1	0	23.57	-2.60	18.82	<=34.77	Pass
			13	23.58	-2.60	18.83	<=34.77	Pass
			24	23.65	-2.60	18.90	<=34.77	Pass
		12	0	23.03	-2.60	18.28	<=34.77	Pass
			6	22.97	-2.60	18.22	<=34.77	Pass
			13	23.01	-2.60	18.26	<=34.77	Pass
		25	0	23.05	-2.60	18.30	<=34.77	Pass
16QAM	706.5	1	0	22.46	-2.60	17.71	<=34.77	Pass
			13	22.49	-2.60	17.74	<=34.77	Pass
			24	22.62	-2.60	17.87	<=34.77	Pass
		12	0	21.85	-2.60	17.10	<=34.77	Pass
			6	21.87	-2.60	17.12	<=34.77	Pass
			13	21.85	-2.60	17.10	<=34.77	Pass
		25	0	21.92	-2.60	17.17	<=34.77	Pass
	710	1	0	22.47	-2.60	17.72	<=34.77	Pass
			13	22.42	-2.60	17.67	<=34.77	Pass
			24	22.57	-2.60	17.82	<=34.77	Pass
		12	0	21.96	-2.60	17.21	<=34.77	Pass
			6	21.92	-2.60	17.17	<=34.77	Pass
			13	21.85	-2.60	17.10	<=34.77	Pass
		25	0	21.91	-2.60	17.16	<=34.77	Pass
	713.5	1	0	22.66	-2.60	17.91	<=34.77	Pass
			13	22.61	-2.60	17.86	<=34.77	Pass
			24	22.73	-2.60	17.98	<=34.77	Pass
		12	0	22.06	-2.60	17.31	<=34.77	Pass
			6	22.01	-2.60	17.26	<=34.77	Pass
			13	22.04	-2.60	17.29	<=34.77	Pass
		25	0	22.01	-2.60	17.26	<=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	23.26	-2.60	18.51	<=34.77	Pass
			25	23.43	-2.60	18.68	<=34.77	Pass
			49	23.47	-2.60	18.72	<=34.77	Pass
		25	0	22.90	-2.60	18.15	<=34.77	Pass
			13	22.92	-2.60	18.17	<=34.77	Pass
			25	22.84	-2.60	18.09	<=34.77	Pass
		50	0	22.90	-2.60	18.15	<=34.77	Pass
	710	1	0	23.33	-2.60	18.58	<=34.77	Pass
			25	23.48	-2.60	18.73	<=34.77	Pass
			49	23.46	-2.60	18.71	<=34.77	Pass
		25	0	22.91	-2.60	18.16	<=34.77	Pass
			13	22.93	-2.60	18.18	<=34.77	Pass
			25	22.89	-2.60	18.14	<=34.77	Pass
		50	0	22.92	-2.60	18.17	<=34.77	Pass
	711	1	0	23.44	-2.60	18.69	<=34.77	Pass
			25	23.47	-2.60	18.72	<=34.77	Pass
			49	23.61	-2.60	18.86	<=34.77	Pass
		25	0	23.01	-2.60	18.26	<=34.77	Pass
			13	22.94	-2.60	18.19	<=34.77	Pass
			25	23.04	-2.60	18.29	<=34.77	Pass
		50	0	23.03	-2.60	18.28	<=34.77	Pass
16QAM	709	1	0	22.52	-2.60	17.77	<=34.77	Pass
			25	22.64	-2.60	17.89	<=34.77	Pass
			49	22.68	-2.60	17.93	<=34.77	Pass
		25	0	21.93	-2.60	17.18	<=34.77	Pass
			13	21.95	-2.60	17.20	<=34.77	Pass
			25	21.87	-2.60	17.12	<=34.77	Pass
		50	0	21.87	-2.60	17.12	<=34.77	Pass
	710	1	0	22.25	-2.60	17.50	<=34.77	Pass
			25	22.36	-2.60	17.61	<=34.77	Pass
			49	22.42	-2.60	17.67	<=34.77	Pass
		25	0	21.96	-2.60	17.21	<=34.77	Pass
			13	21.93	-2.60	17.18	<=34.77	Pass
			25	21.94	-2.60	17.19	<=34.77	Pass
		50	0	21.91	-2.60	17.16	<=34.77	Pass
	711	1	0	22.58	-2.60	17.83	<=34.77	Pass
			25	22.61	-2.60	17.86	<=34.77	Pass
			49	22.74	-2.60	17.99	<=34.77	Pass
		25	0	21.99	-2.60	17.24	<=34.77	Pass
			13	21.93	-2.60	17.18	<=34.77	Pass
			25	22.01	-2.60	17.26	<=34.77	Pass
		50	0	21.99	-2.60	17.24	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-3.905	-0.0055	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
					4.43	1.059	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0037	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
	710	25	0	20	3.27	1.101	0.0016	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.43	1.588	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				50	3.85	1.760	0.0025	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.116	0.0016	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0001	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-4.749	-0.0067	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0066	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	0.958	0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.104	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				30	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-1.802	-0.0026	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.85	0.815	0.0011	-2.5 to 2.5	Pass
					4.43	1.502	0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				50	3.85	1.173	0.0017	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.257	-0.0004	-2.5 to 2.5	Pass
					3.85	2.031	0.0028	-2.5 to 2.5	Pass

					4.43	-2.103	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.675	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.605	-0.0051	-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	-1.817	-0.0026	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-2.403	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-1.945	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
				40	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-1.674	-0.0024	-2.5 to 2.5	Pass
					3.85	0.186	0.0003	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.518	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.787	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	0.544	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.830	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.658	0.0009	-2.5 to 2.5	Pass
				10	3.85	3.791	0.0053	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0001	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-0.873	-0.0012	-2.5 to 2.5	Pass
					3.85	1.059	0.0015	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0033	-2.5 to 2.5	Pass
				10	3.85	1.688	0.0024	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.029	0.0000	-2.5 to 2.5	Pass

	710	50	0	50	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				20	3.27	-0.572	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.176	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
	711	50	0	40	3.85	-2.532	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				20	3.27	-0.143	-0.0002	-2.5 to 2.5	Pass
					3.85	1.616	0.0023	-2.5 to 2.5	Pass
					4.43	1.073	0.0015	-2.5 to 2.5	Pass
				-30	3.85	3.362	0.0047	-2.5 to 2.5	Pass
				-20	3.85	1.688	0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0037	-2.5 to 2.5	Pass
				0	3.85	1.674	0.0024	-2.5 to 2.5	Pass
				10	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0023	-2.5 to 2.5	Pass
				50	3.85	0.243	0.0003	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

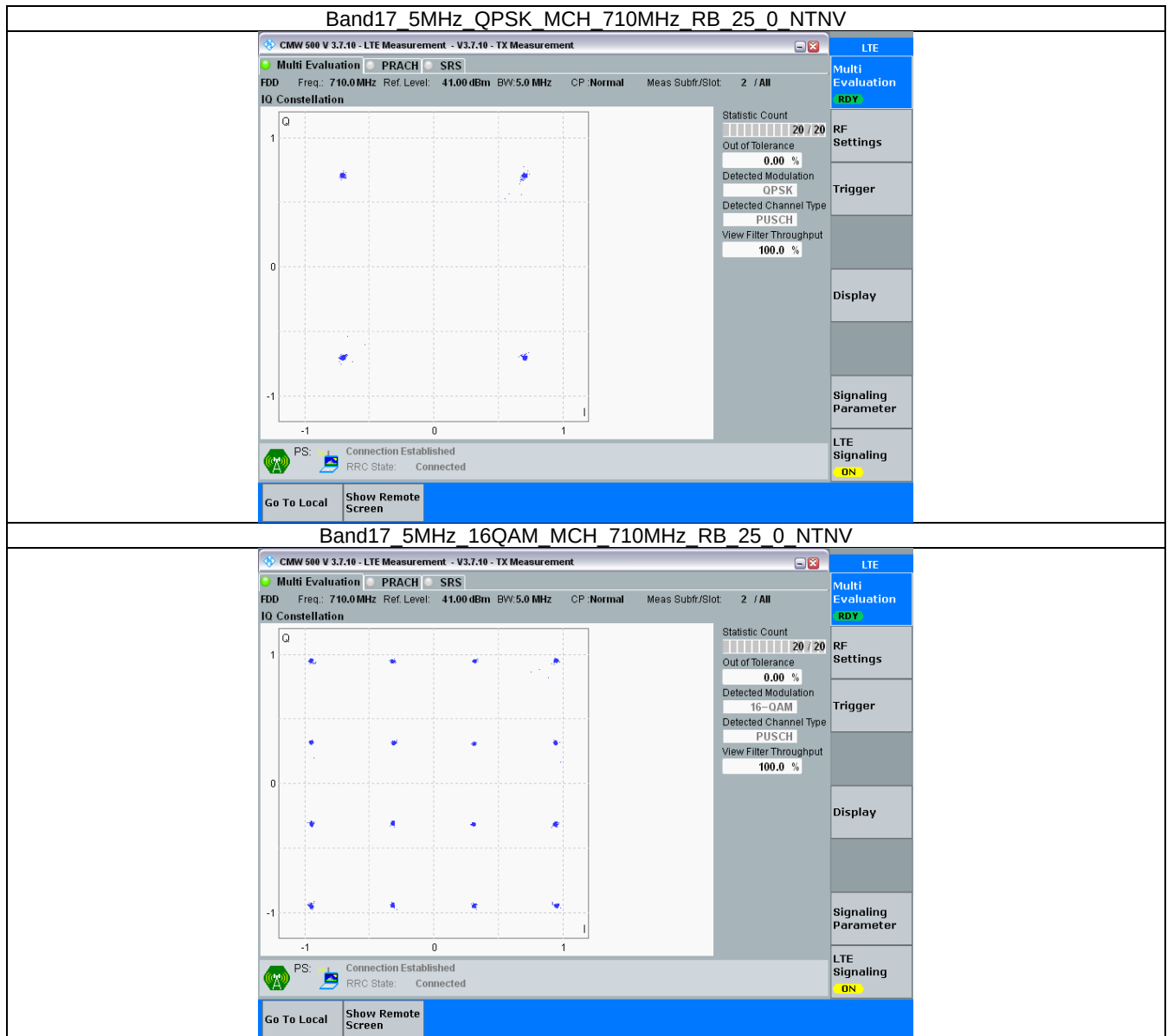
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

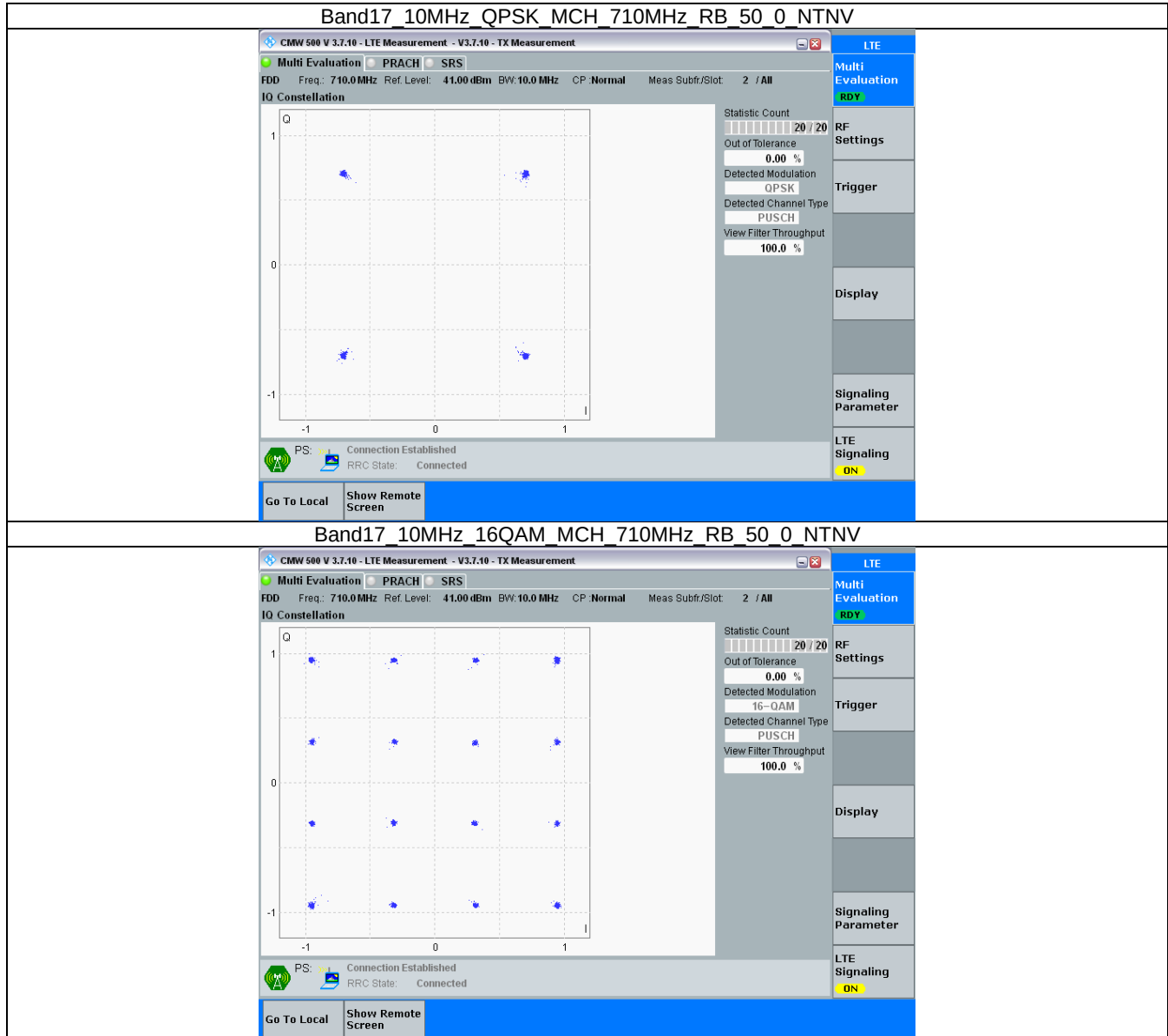
Band: 17 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B17_5MHz



3.2.2 B17_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

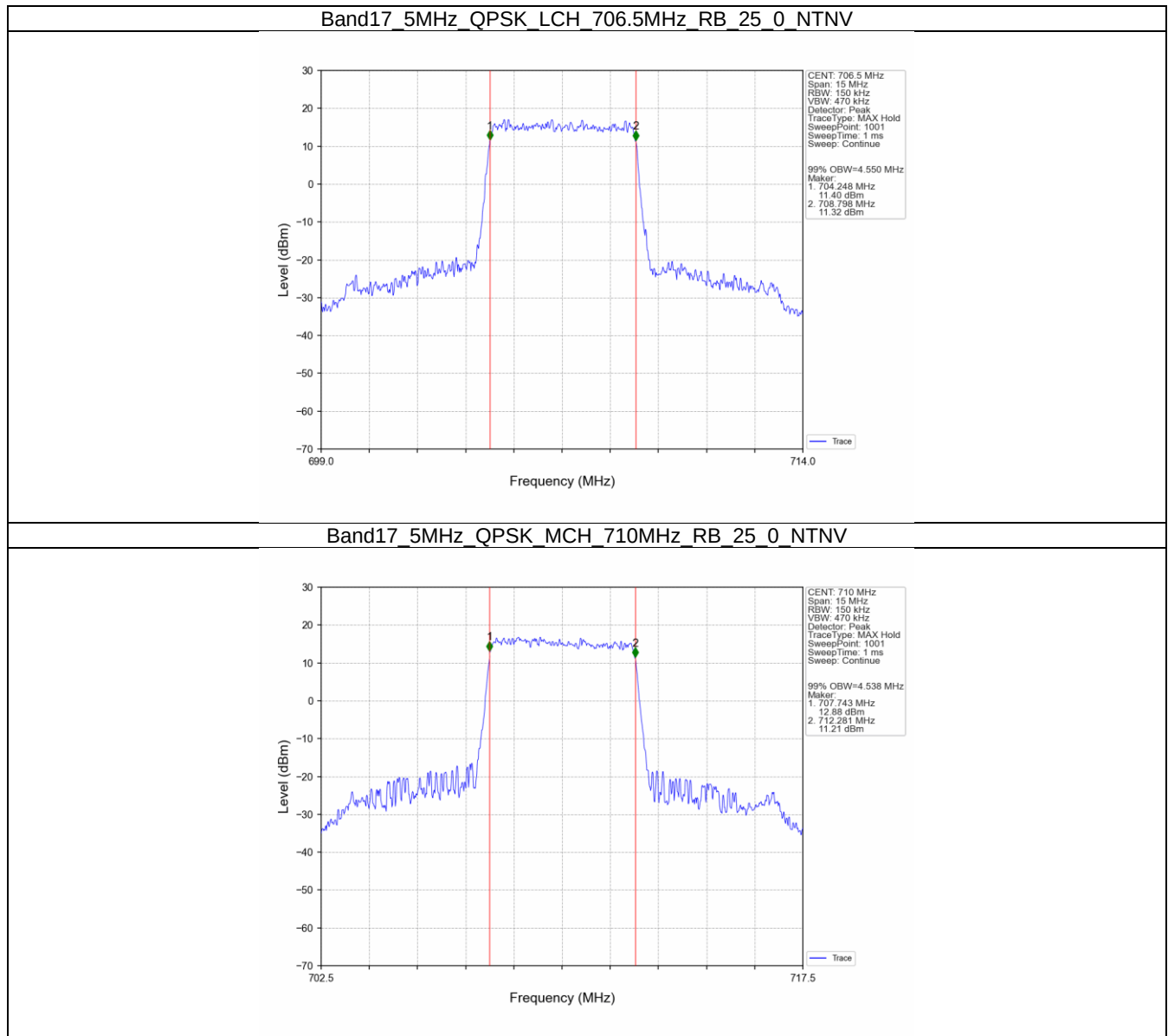
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.550	/	Pass
		710	25	0	4.538	/	Pass
		713.5	25	0	4.556	/	Pass
	16QAM	706.5	25	0	4.540	/	Pass
		710	25	0	4.551	/	Pass
		713.5	25	0	4.547	/	Pass
10	QPSK	709	50	0	9.054	/	Pass
		710	50	0	9.033	/	Pass
		711	50	0	9.060	/	Pass
	16QAM	709	50	0	9.036	/	Pass
		710	50	0	9.036	/	Pass
		711	50	0	9.102	/	Pass

4.1.2 Band17_XDB

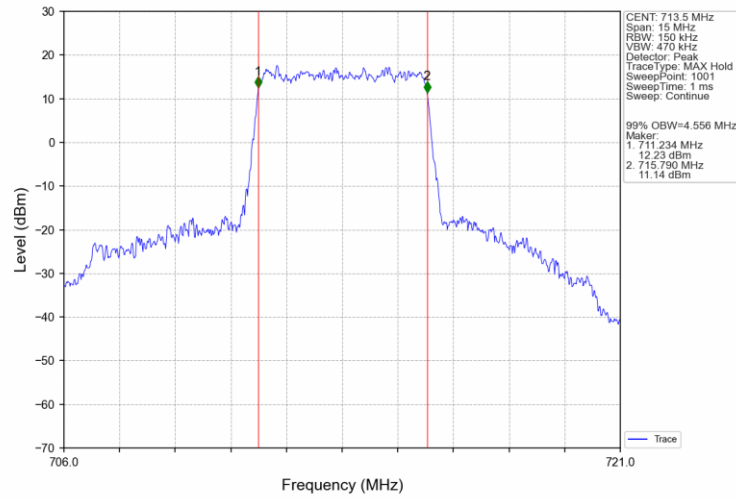
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.000	/	Pass
		710	25	0	5.053	/	Pass
		713.5	25	0	5.072	/	Pass
	16QAM	706.5	25	0	5.053	/	Pass
		710	25	0	5.048	/	Pass
		713.5	25	0	5.017	/	Pass
10	QPSK	709	50	0	9.948	/	Pass
		710	50	0	9.976	/	Pass
		711	50	0	9.950	/	Pass
	16QAM	709	50	0	9.898	/	Pass
		710	50	0	9.825	/	Pass
		711	50	0	9.968	/	Pass

4.2 Test Graph

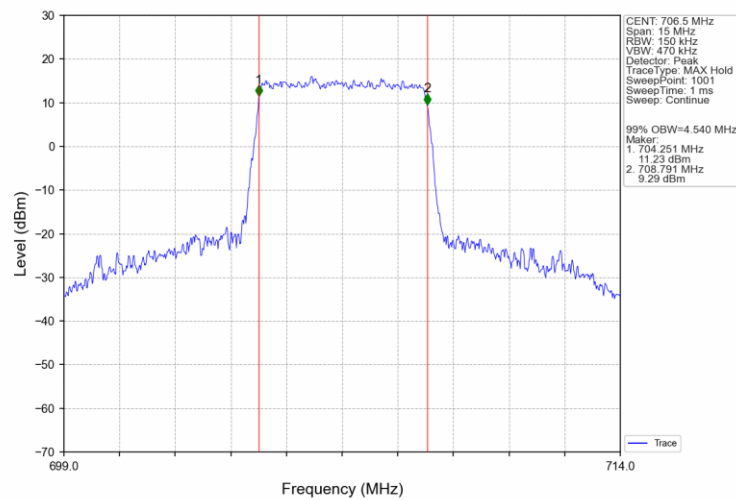
4.2.1 Band17_OBW



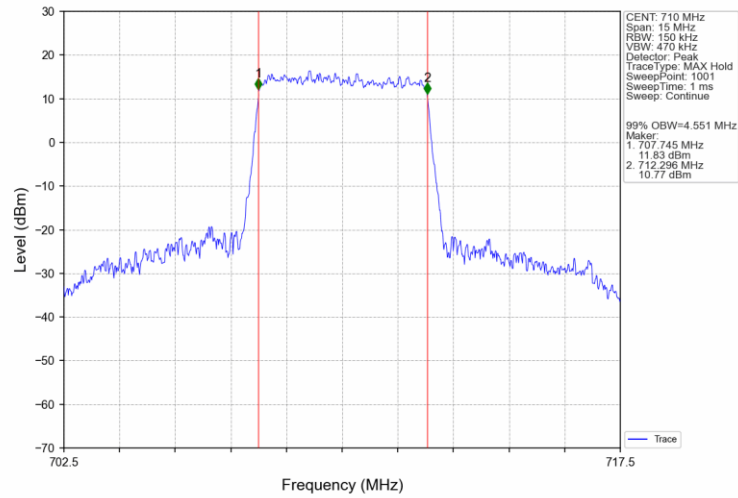
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



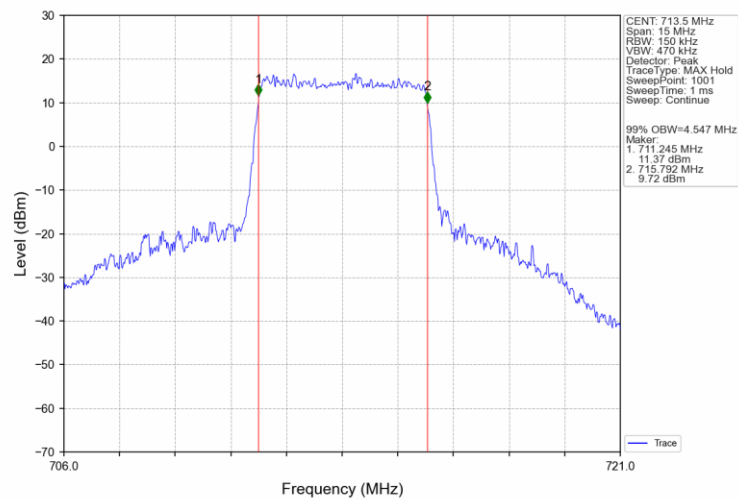
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



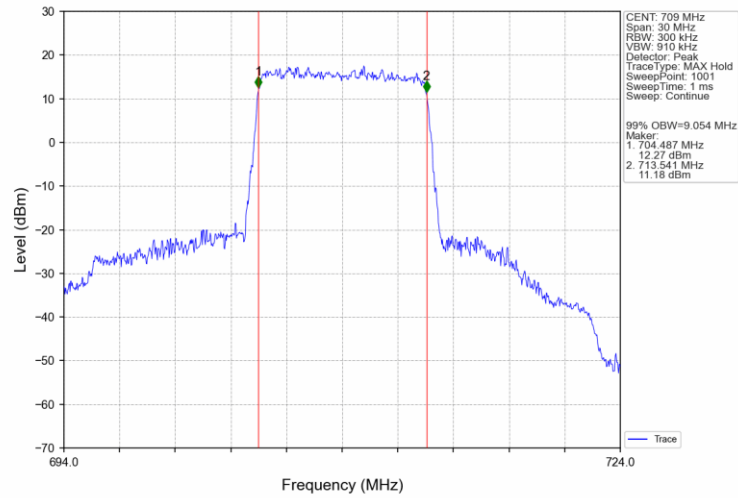
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



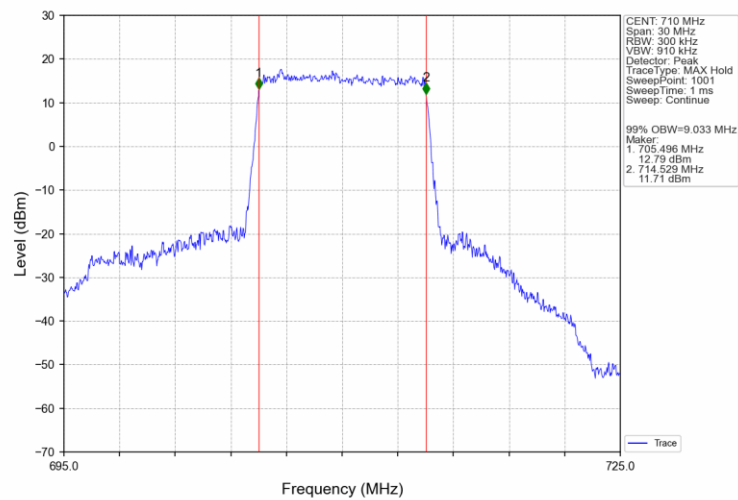
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



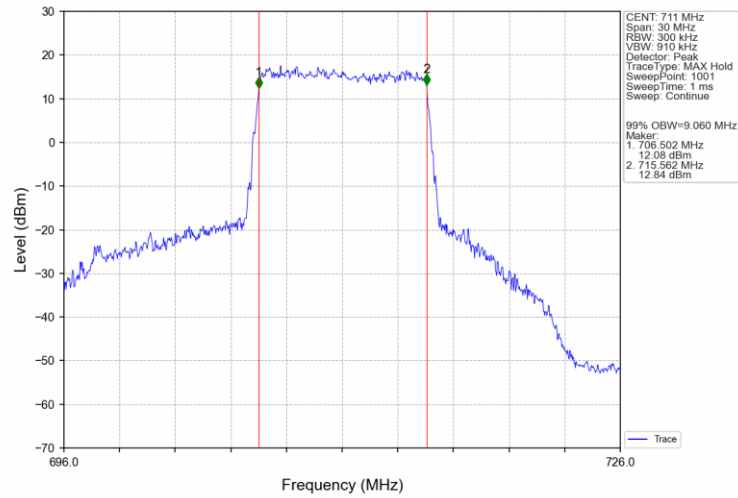
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN



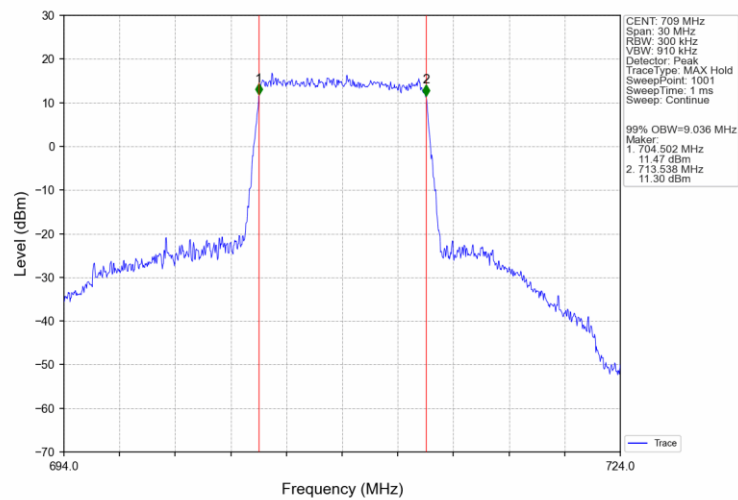
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN



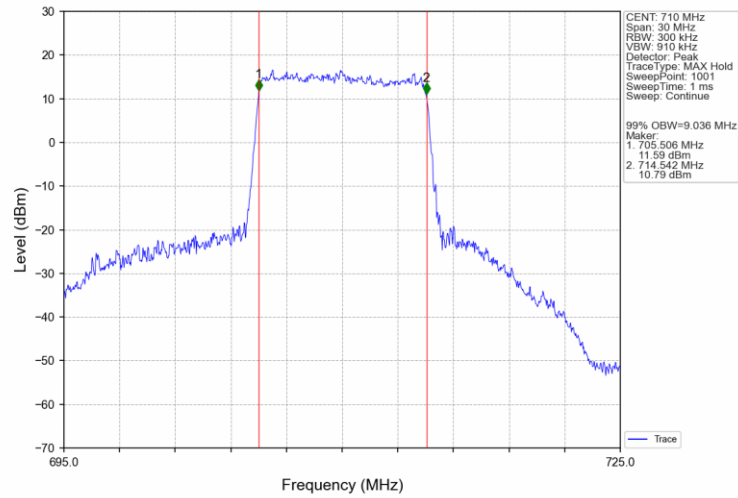
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



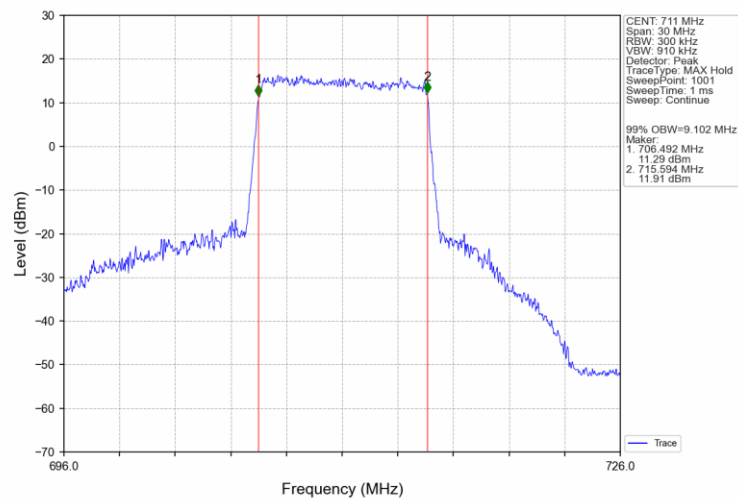
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

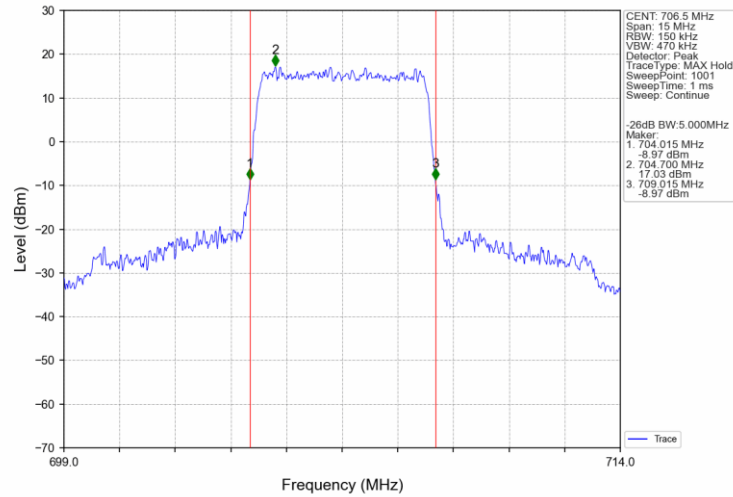


Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV

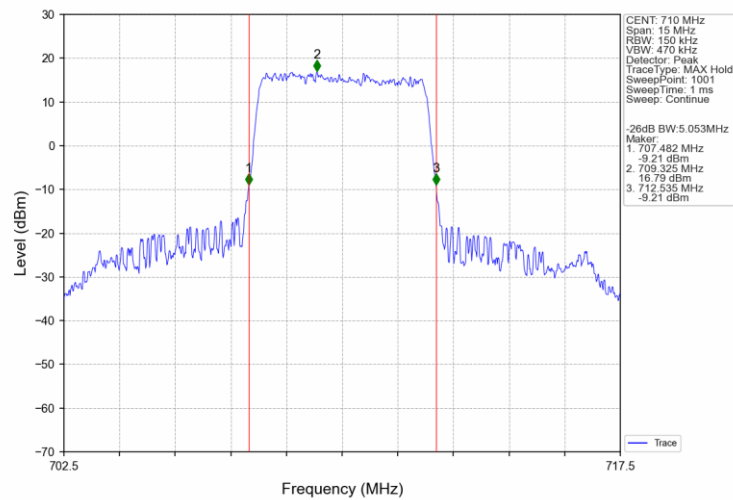


4.2.2 Band17_XDB

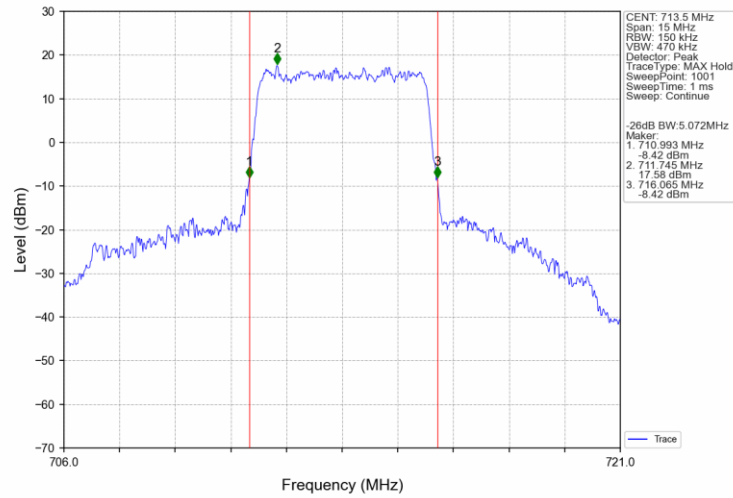
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



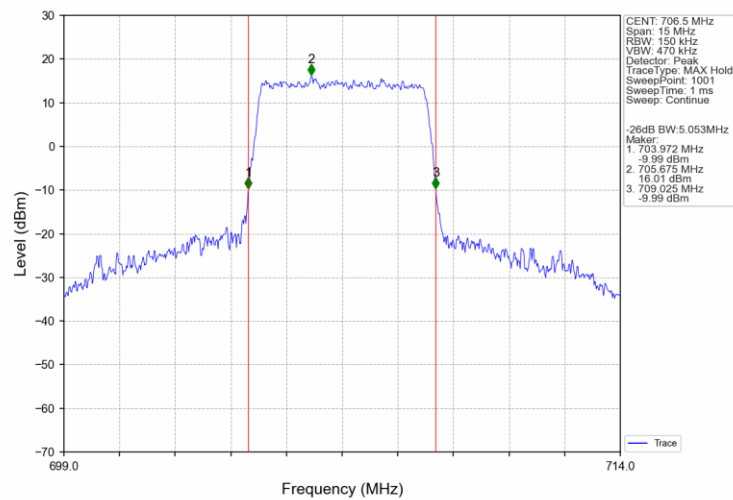
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



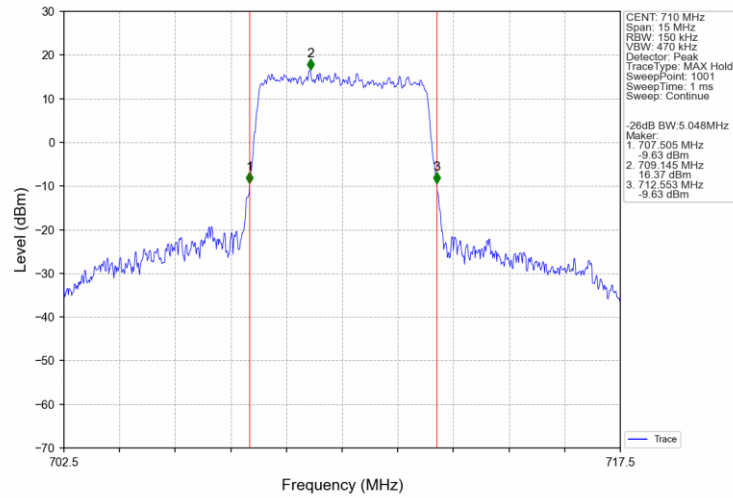
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



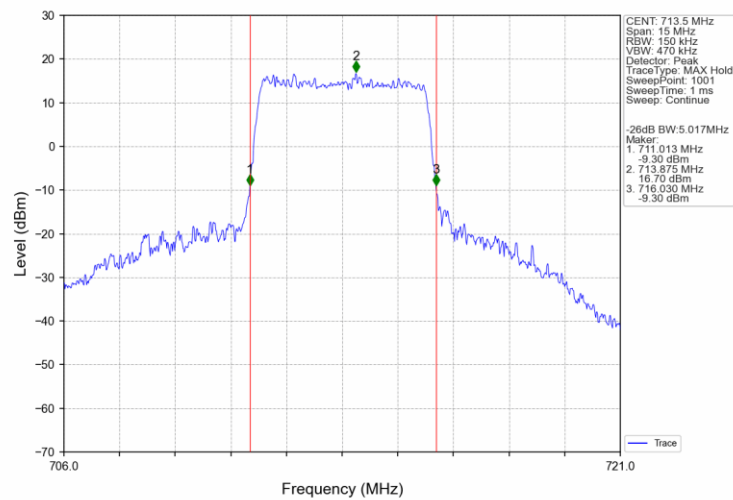
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



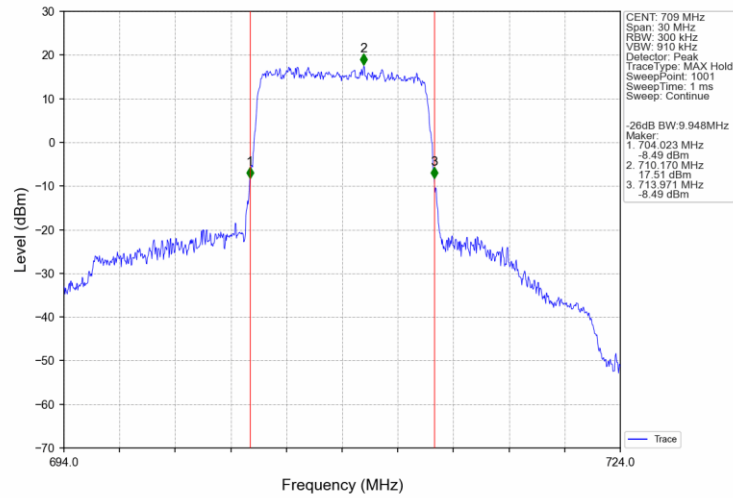
Band17 5MHz 16QAM MCH 710MHz RB 25 0 NTNV



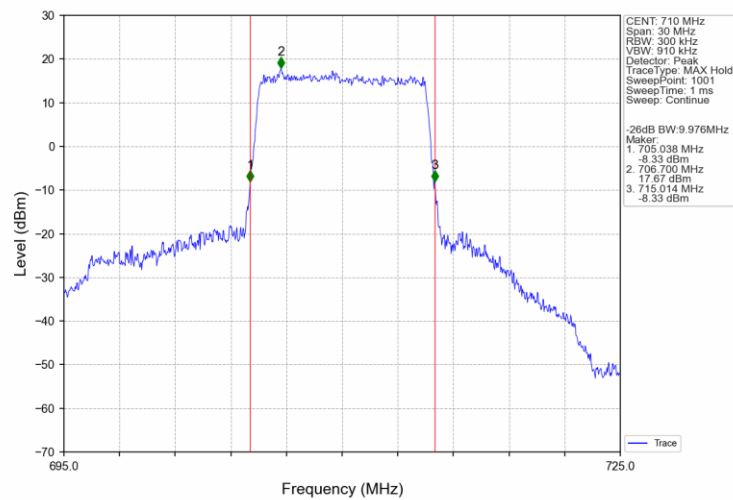
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



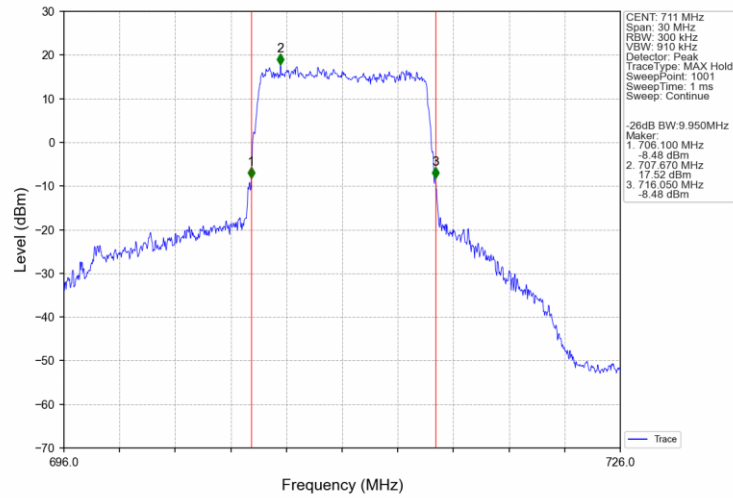
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTV



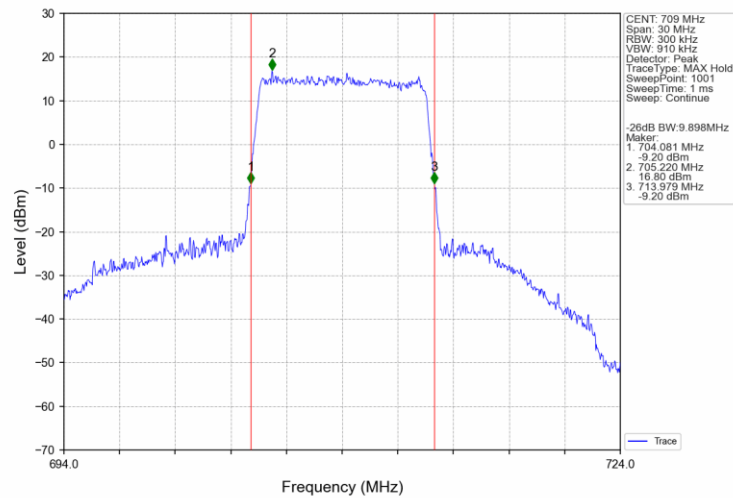
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTV



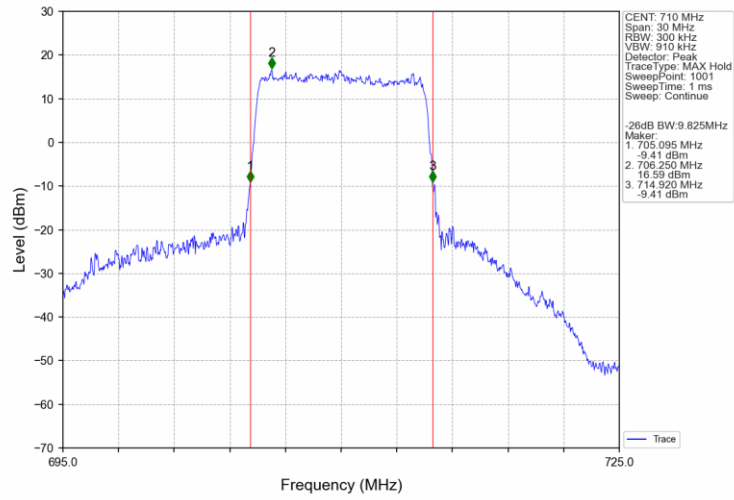
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



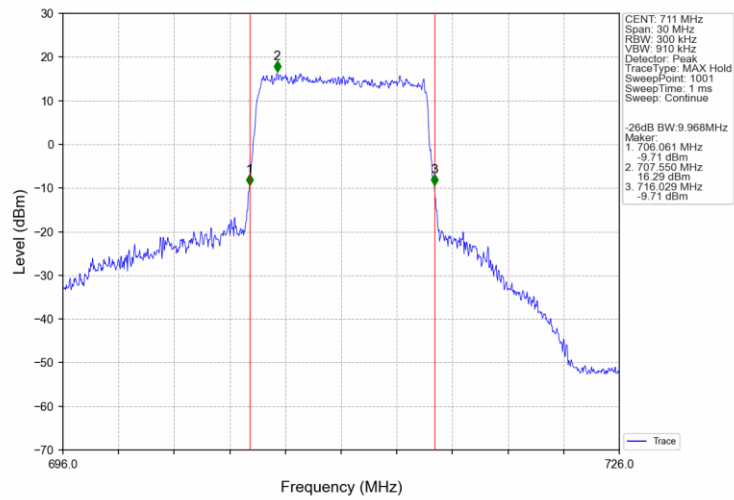
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

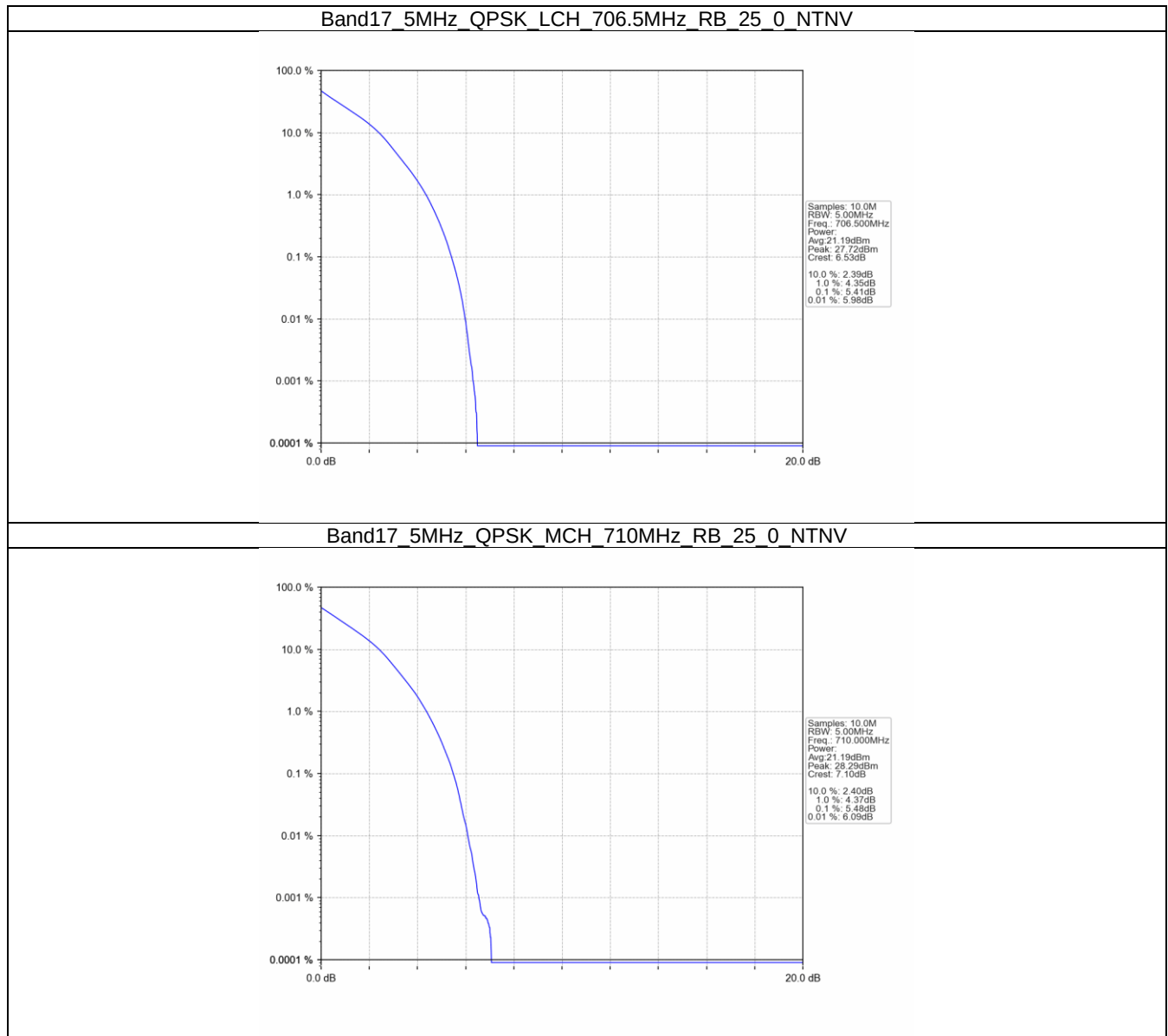
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.41	<=13	Pass
	710	25	0	5.48	<=13	Pass
	713.5	25	0	5.18	<=13	Pass
16QAM	706.5	25	0	6.16	<=13	Pass
	710	25	0	6.20	<=13	Pass
	713.5	25	0	5.87	<=13	Pass

5.1.2 B17_10MHz

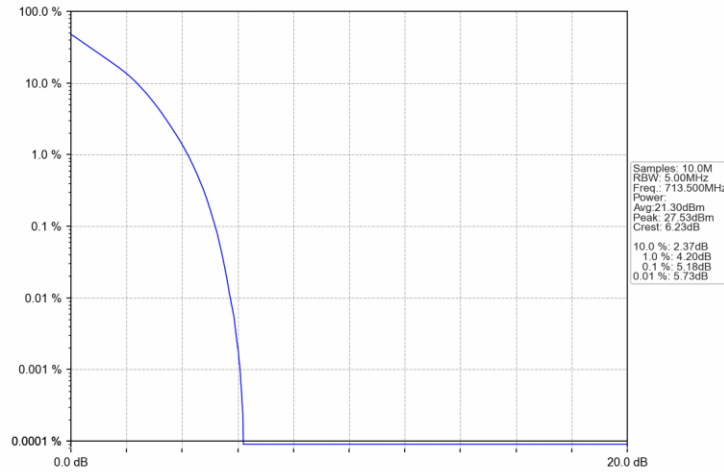
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.34	<=13	Pass
	710	50	0	5.29	<=13	Pass
	711	50	0	5.28	<=13	Pass
16QAM	709	50	0	6.16	<=13	Pass
	710	50	0	6.13	<=13	Pass
	711	50	0	6.06	<=13	Pass

5.2 Test Graph

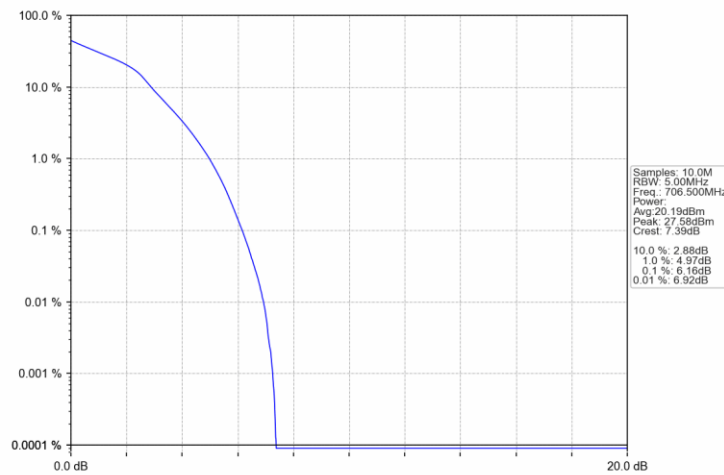
5.2.1 B17_5MHz



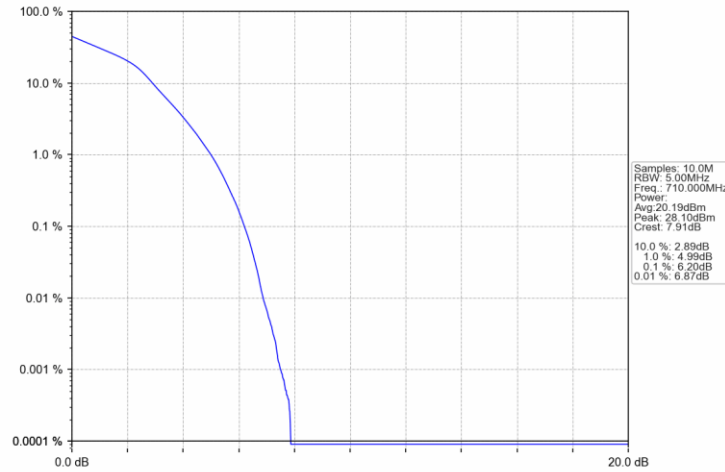
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



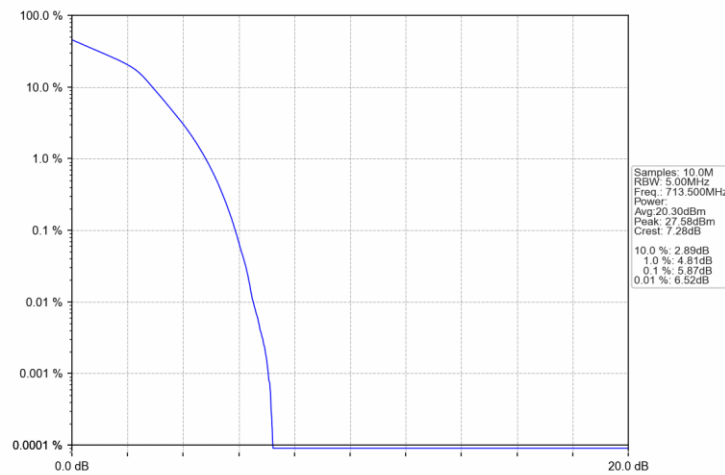
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV



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

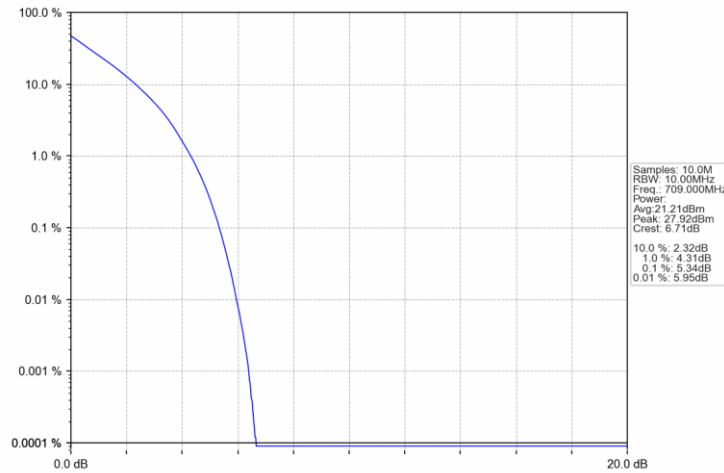


Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV

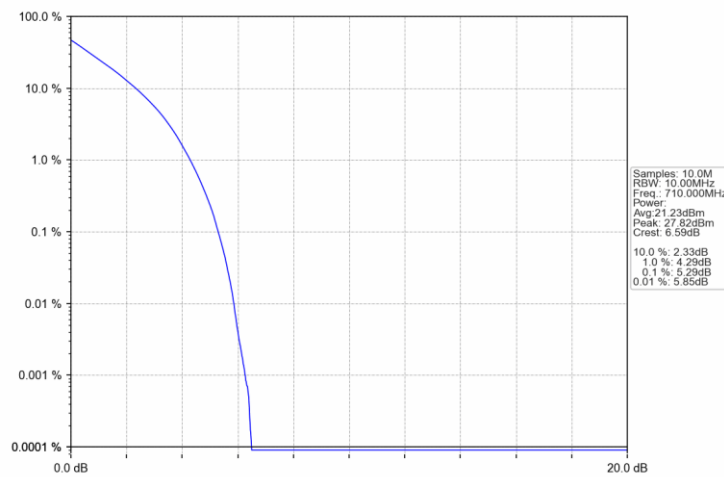


5.2.2 B17_10MHz

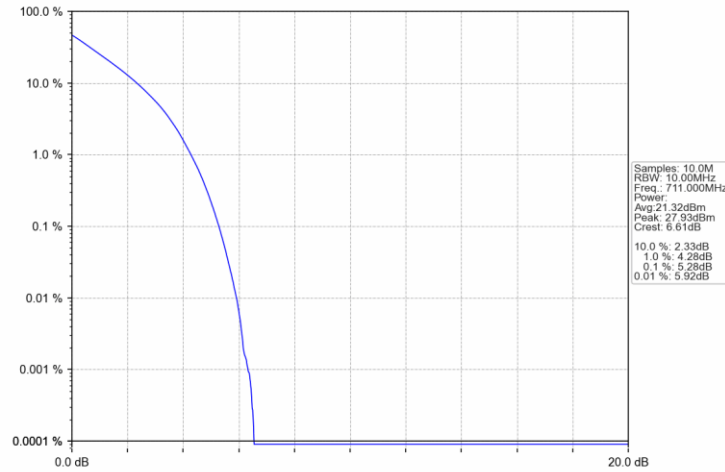
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



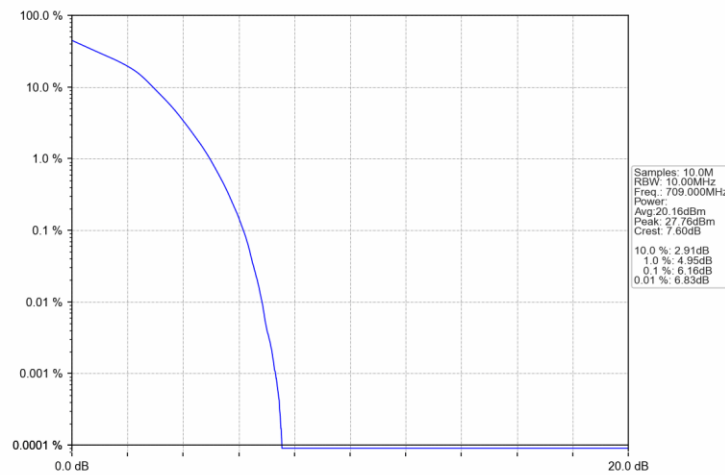
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



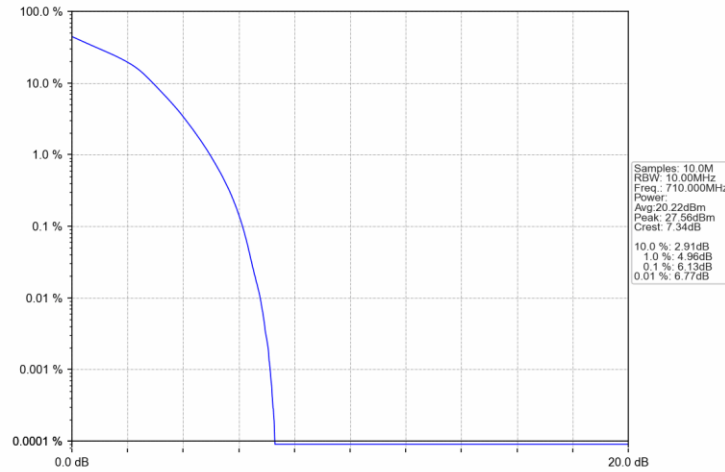
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



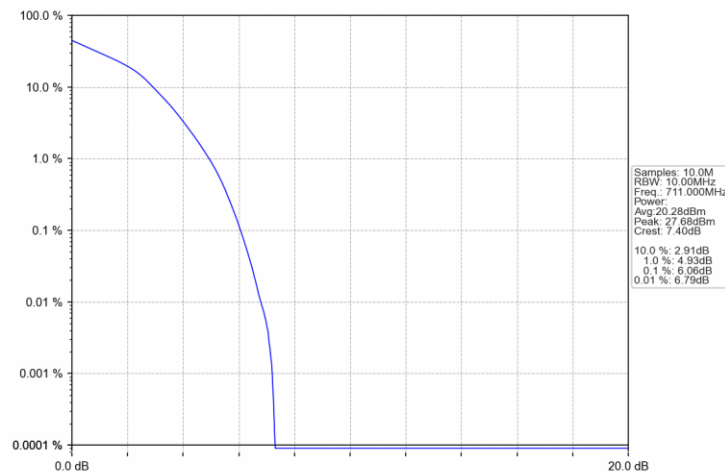
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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

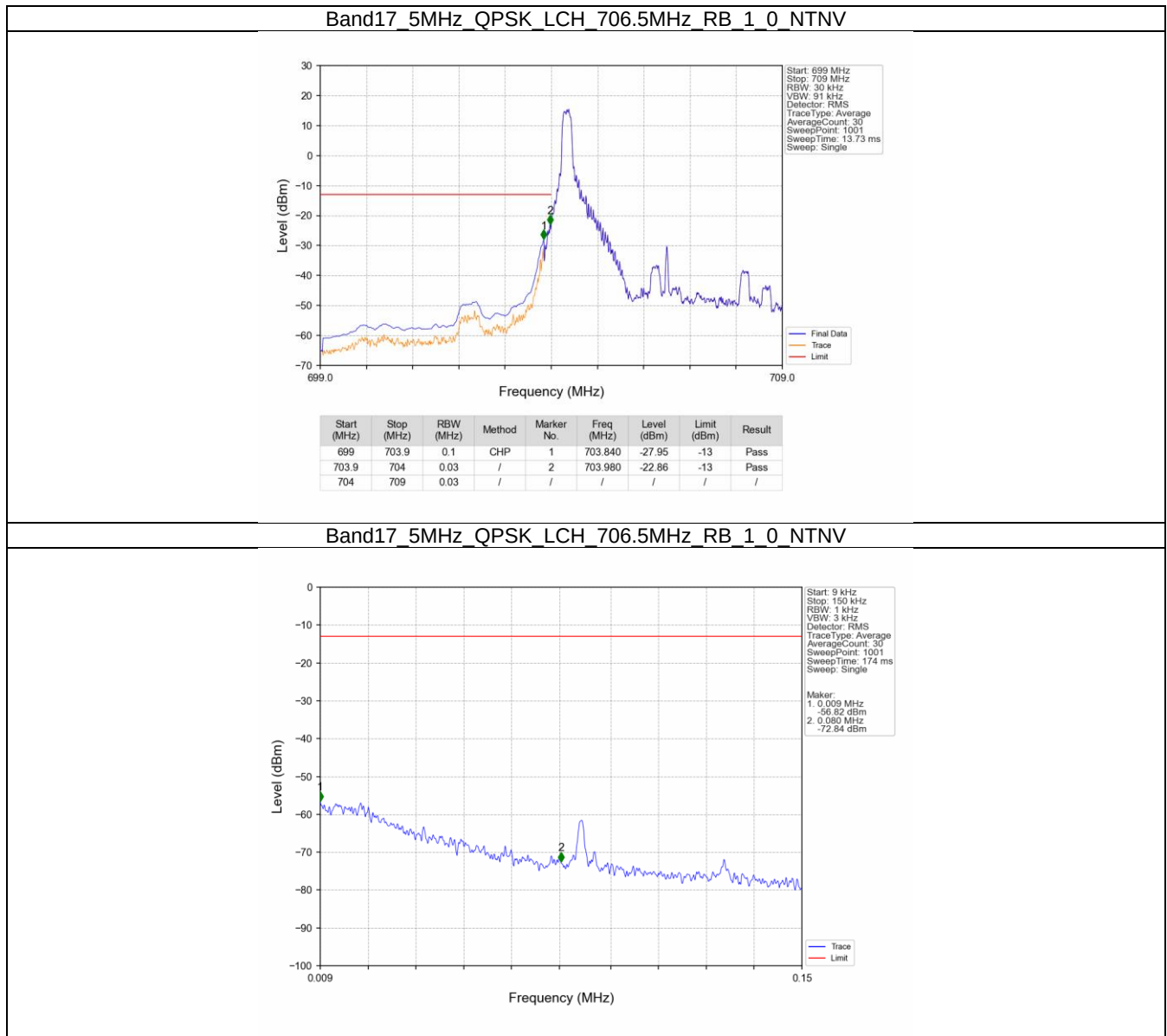
Band: 17 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

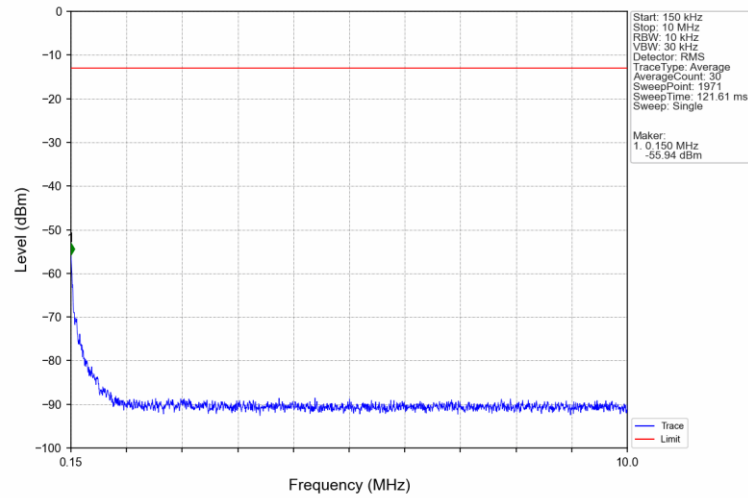
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

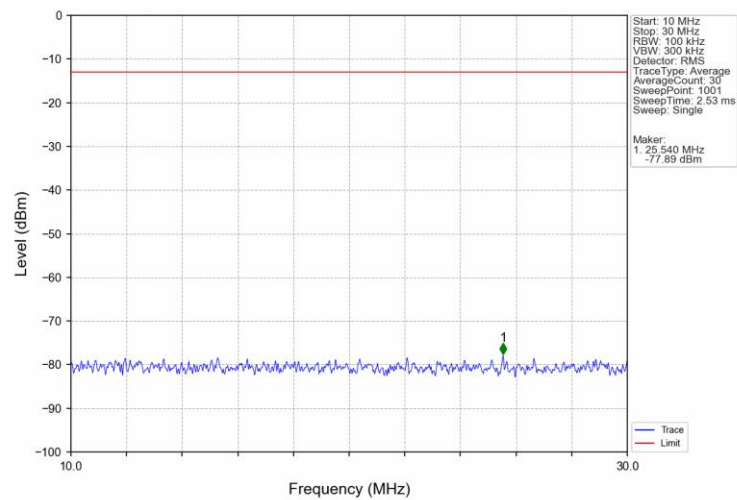
6.2.1 B17_5MHz



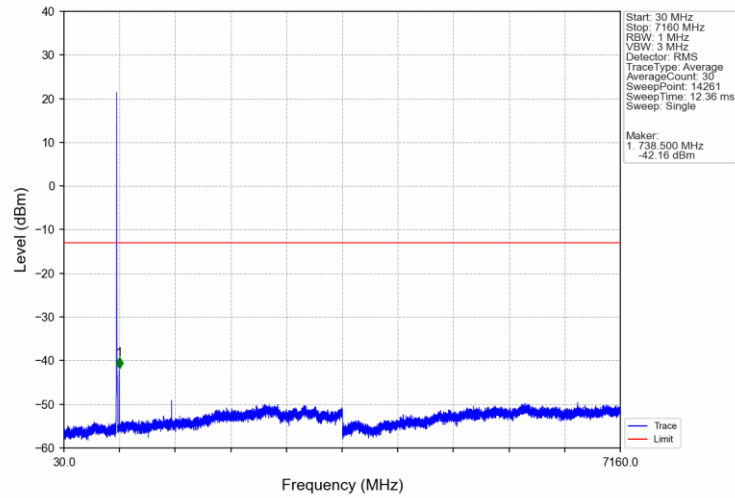
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



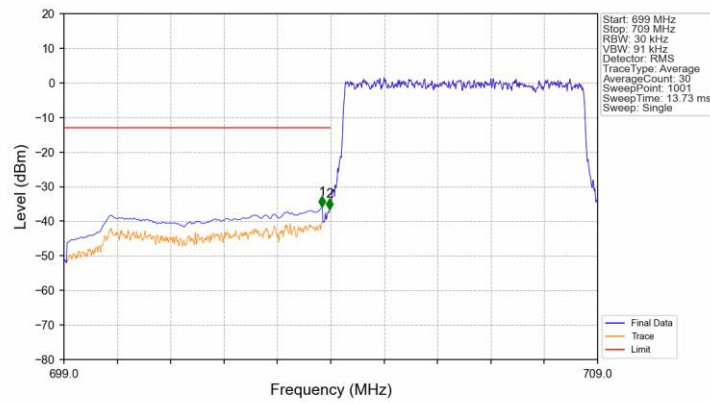
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTN



Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV

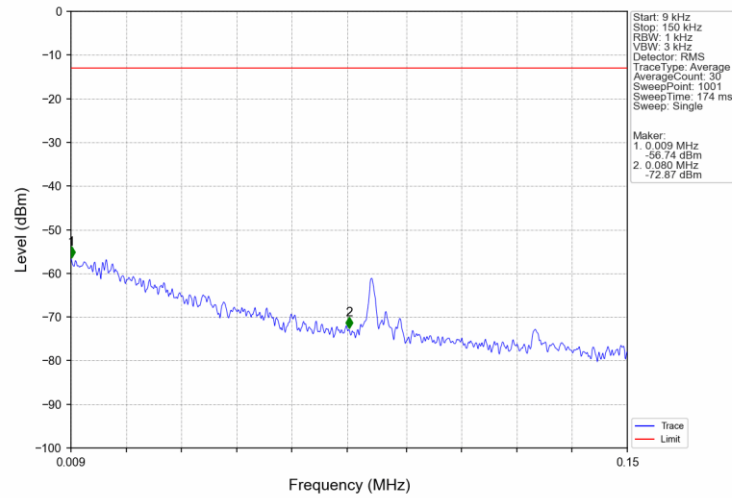


Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV

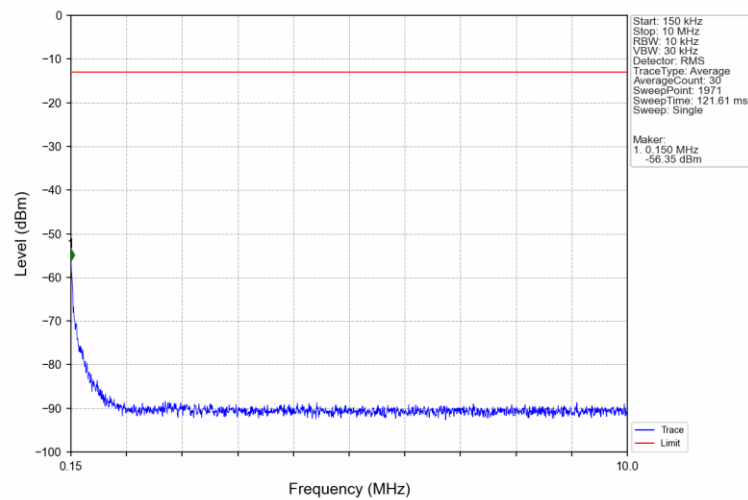


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-35.86	-13	Pass
703.9	704	0.03	/	2	703.980	-36.51	-13	Pass
704	709	0.03	/	/	/	/	/	/

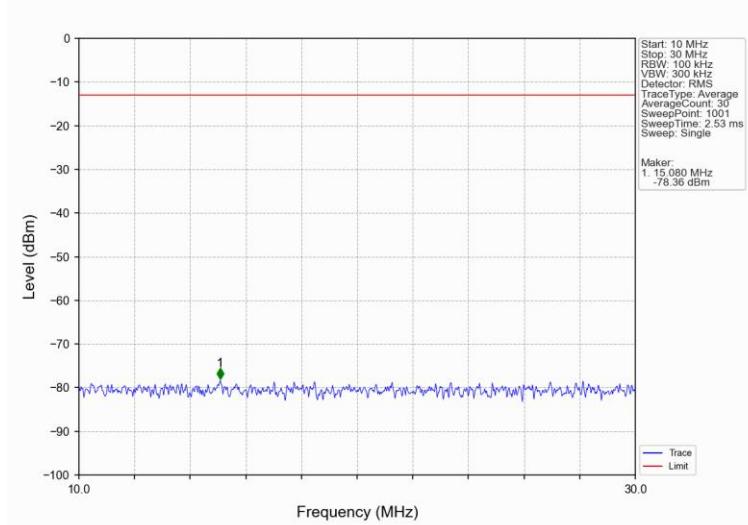
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



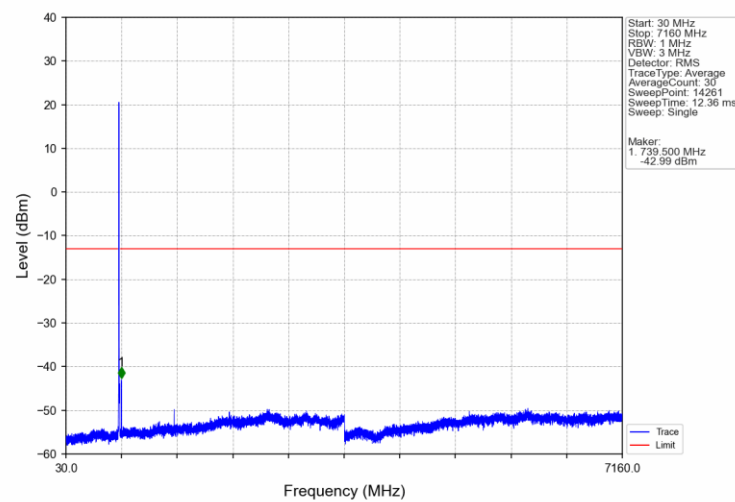
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



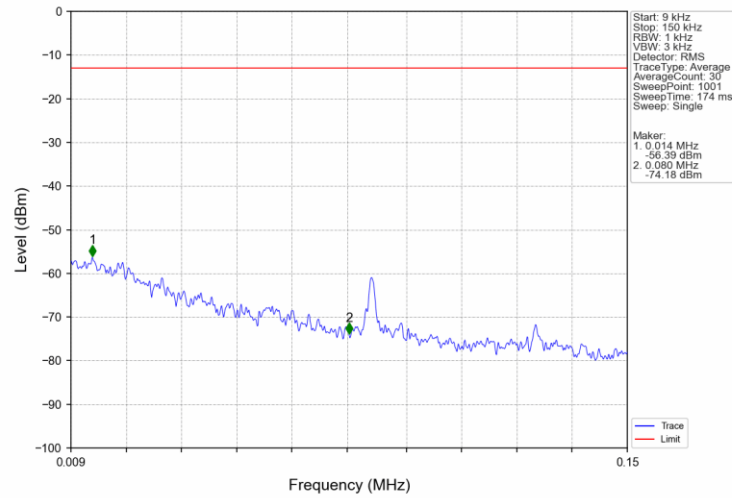
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



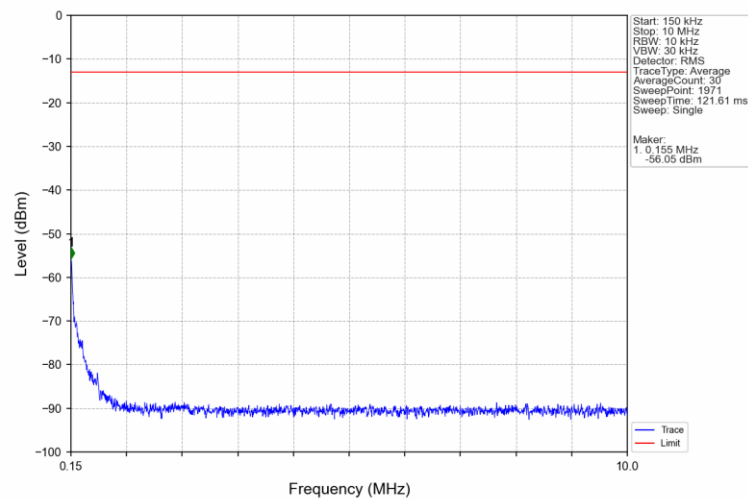
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



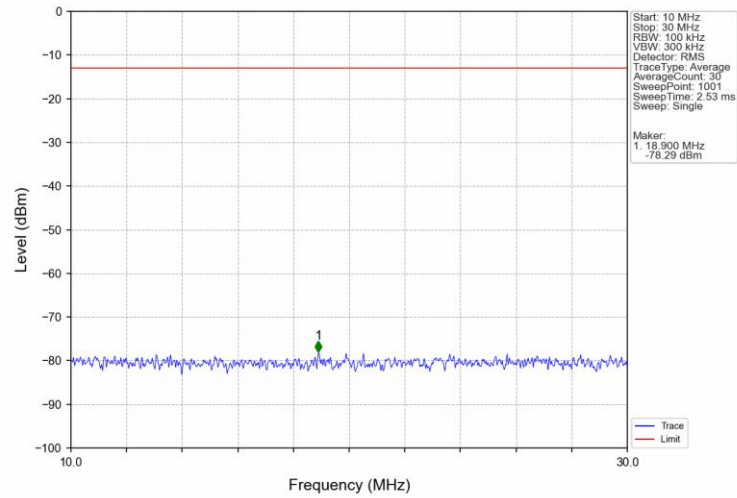
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



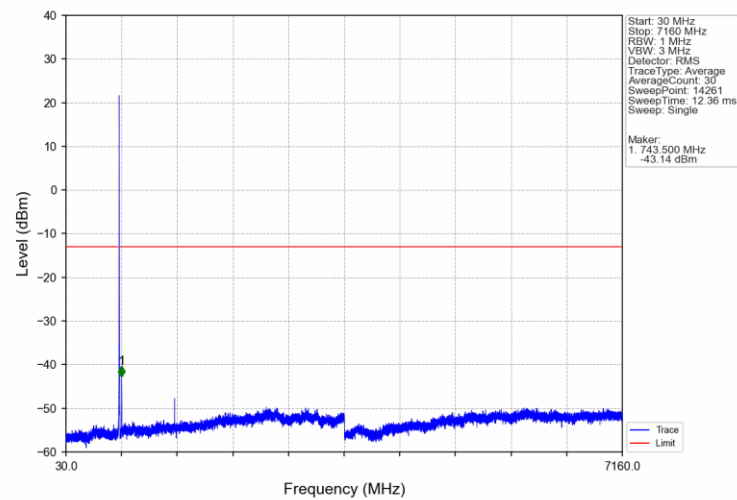
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



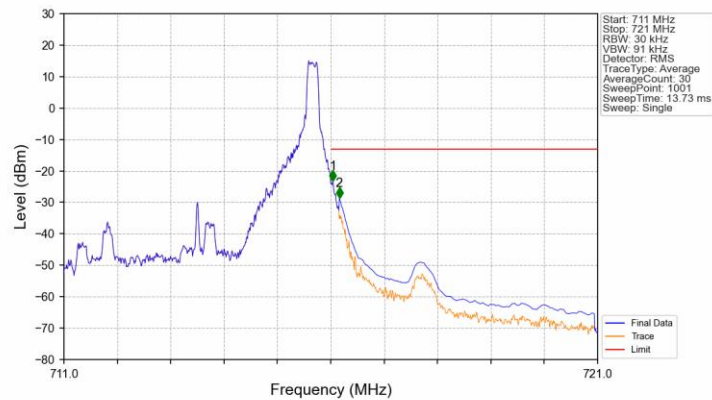
Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

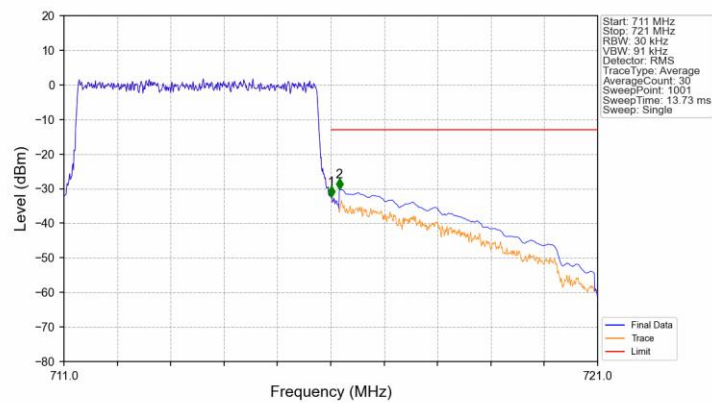


Band17 5MHz QPSK HCH 713.5MHz RB 1 24 NTV



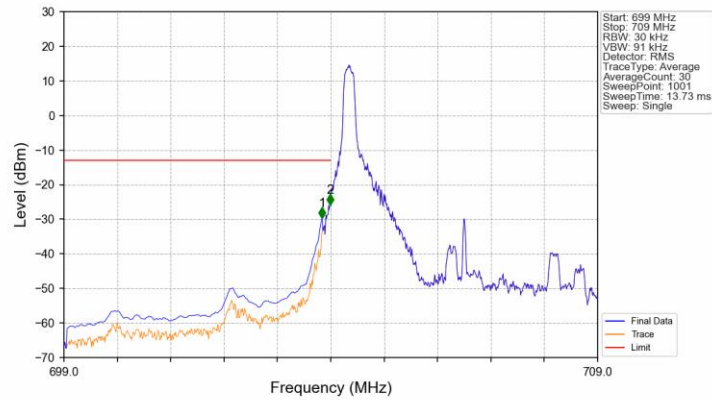
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.040	-23.30	-13	Pass
716.1	721	0.1	CHP	2	716.160	-28.62	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



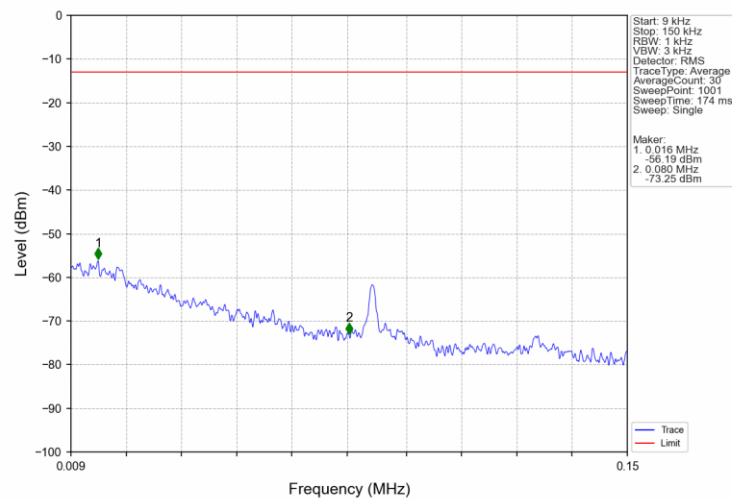
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-32.33	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.14	-13	Pass

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

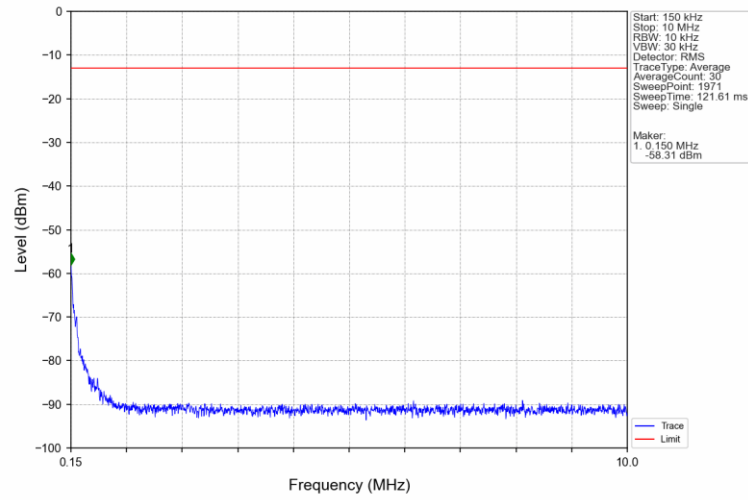


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-29.71	-13	Pass
703.9	704	0.03	/	2	703.990	-25.90	-13	Pass
704	709	0.03	/	/	/	/	/	/

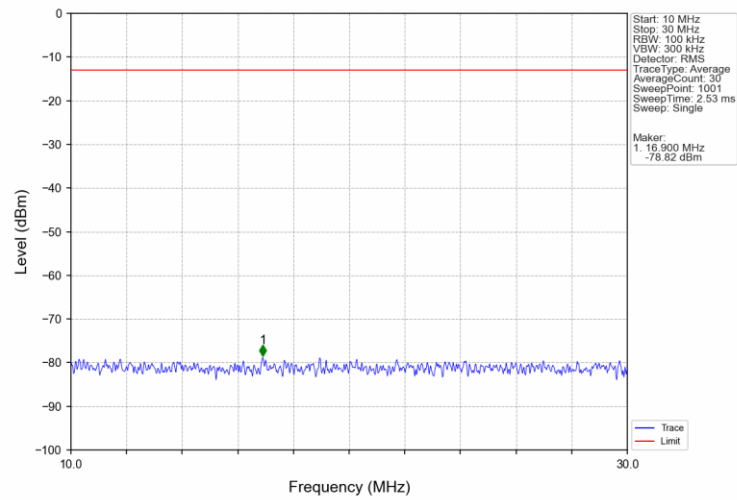
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTNV



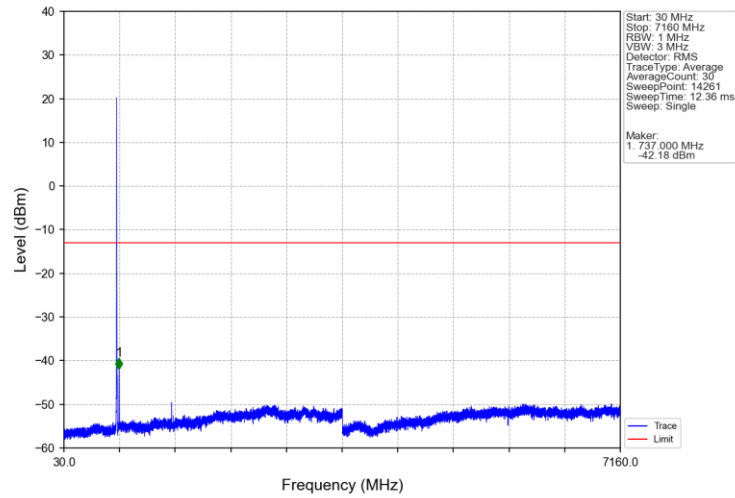
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTV



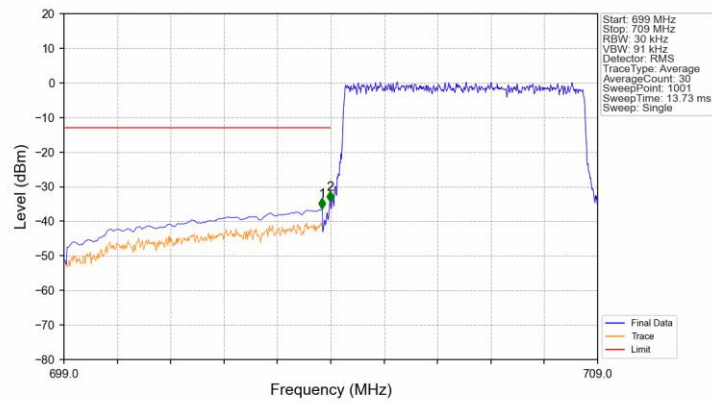
Band17 5MHz 16QAM LCH 706.5MHz RB 1 0 NTV



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

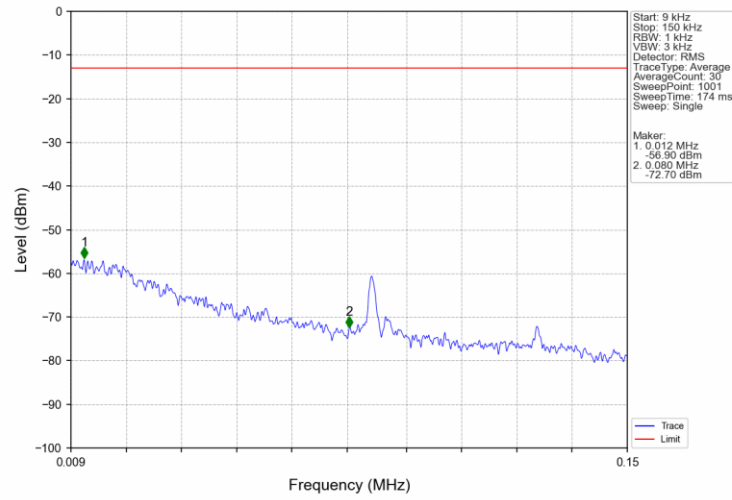


Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTV

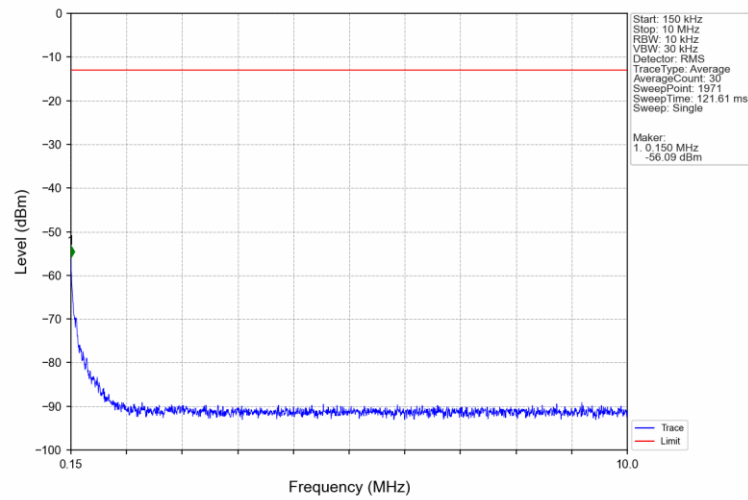


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-36.39	-13	Pass
703.9	704	0.03	/	2	703.990	-34.42	-13	Pass
704	709	0.03	/	/	/	/	/	/

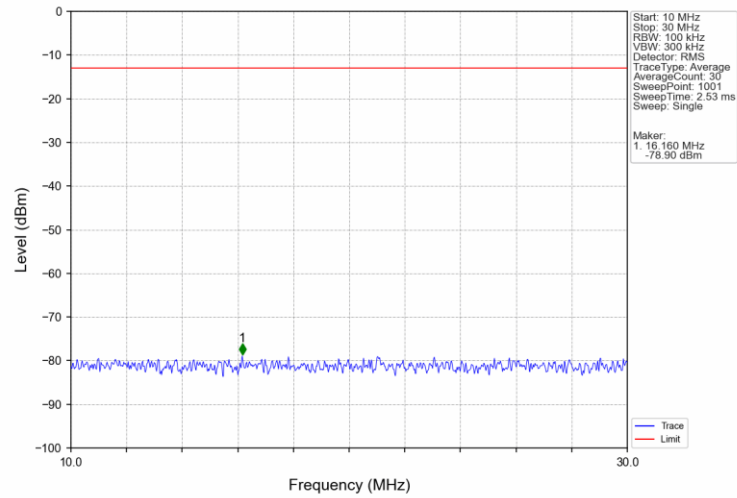
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



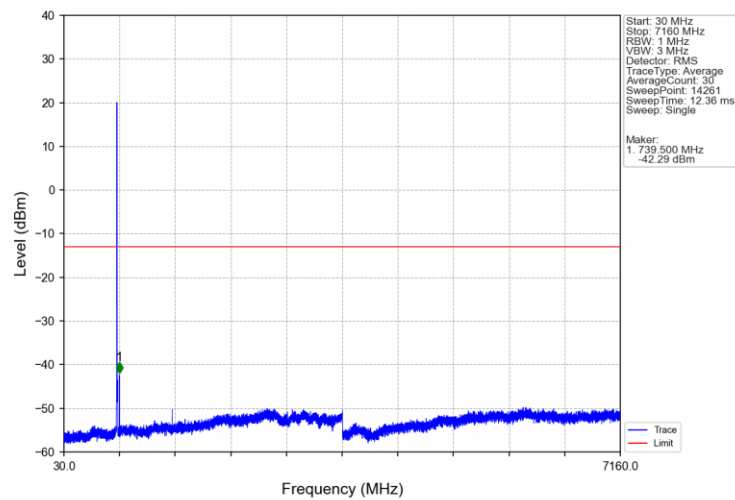
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



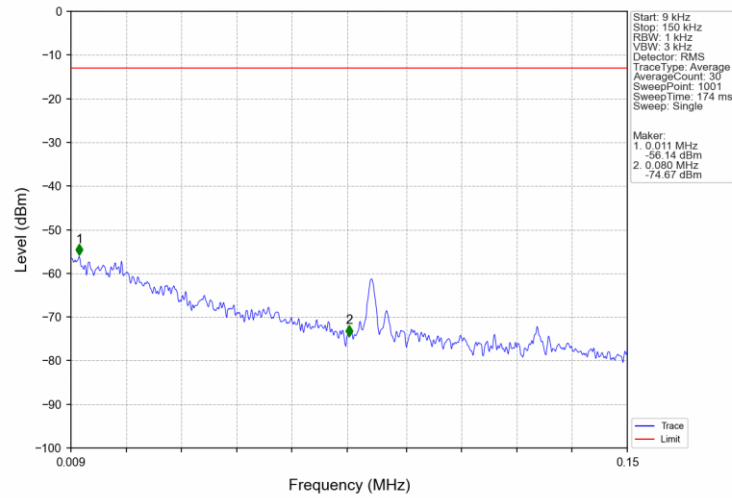
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



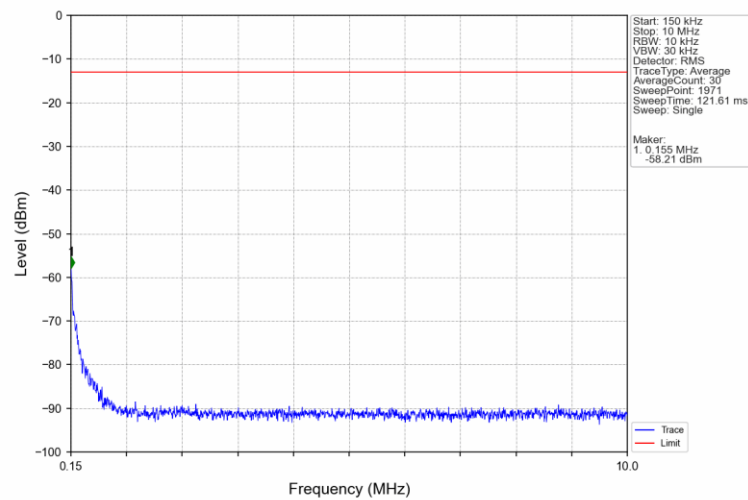
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



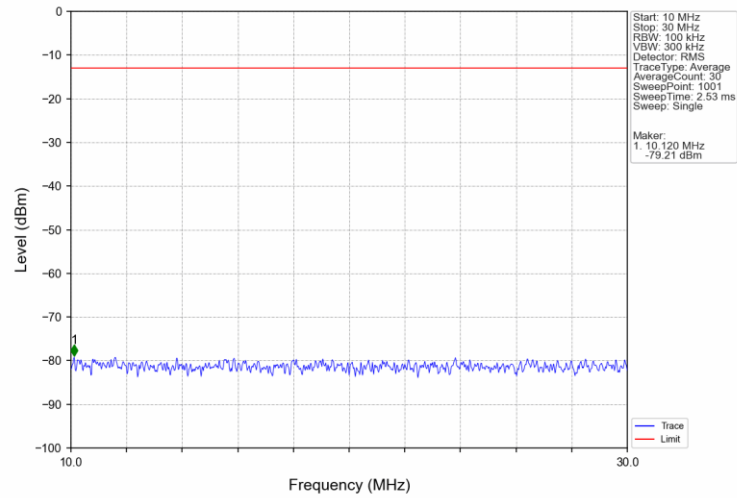
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



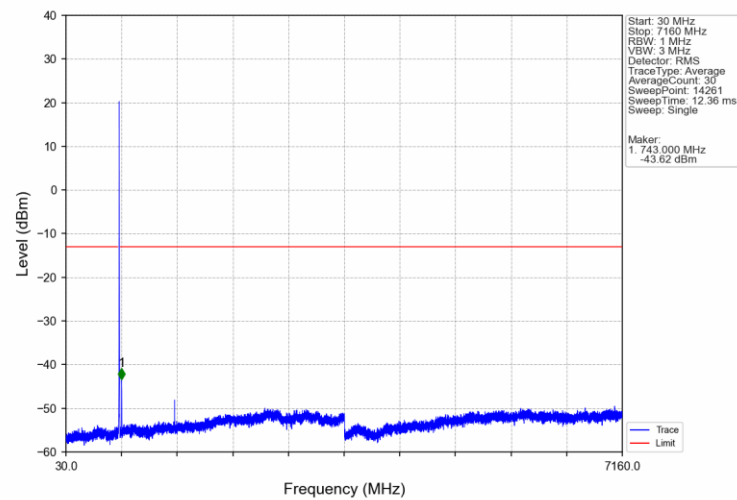
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



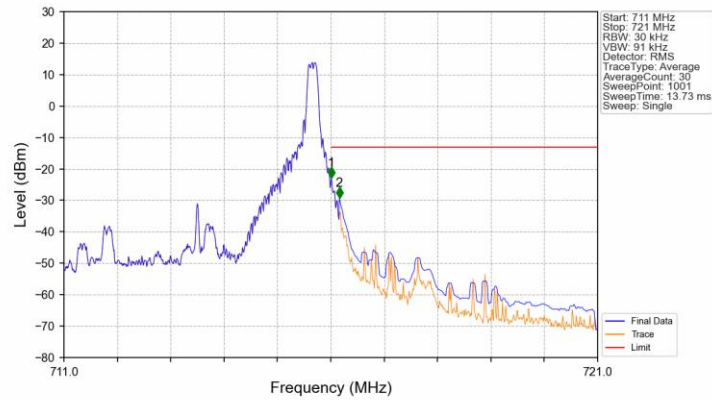
Band17 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



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

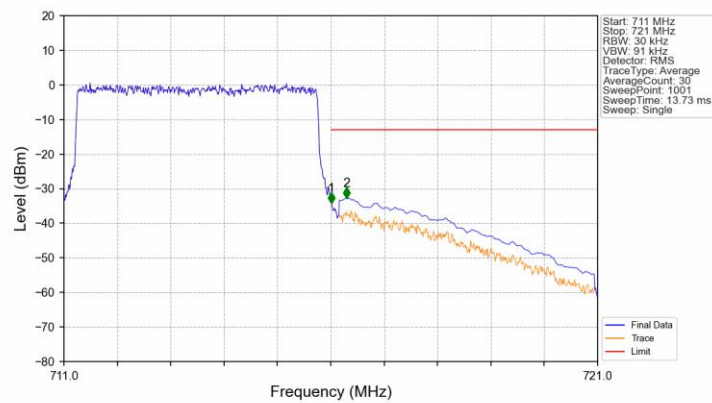


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTVN



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	-22.88	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.17	-13	Pass

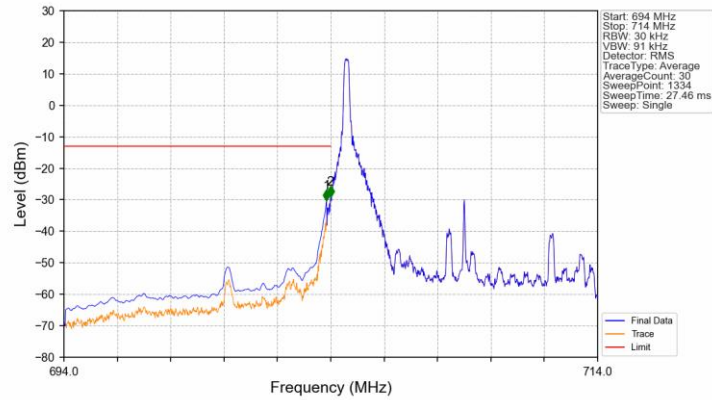
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTVN



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	-34.27	-13	Pass
716.1	721	0.1	CHP	2	716.300	-32.78	-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	-30.32	-13	Pass
703.9	704	0.03	/	2	703.992	-29.05	-13	Pass
704	714	0.03	/	/	/	/	/	/

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