

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.03	-3.53	17.35	<=34.77	Pass
			2	23.14	-3.53	17.46	<=34.77	Pass
			5	23.09	-3.53	17.41	<=34.77	Pass
		3	0	22.99	-3.53	17.31	<=34.77	Pass
			2	23.08	-3.53	17.40	<=34.77	Pass
			3	23.04	-3.53	17.36	<=34.77	Pass
		6	0	22.08	-3.53	16.40	<=34.77	Pass
	707.5	1	0	23.36	-3.53	17.68	<=34.77	Pass
			2	23.32	-3.53	17.64	<=34.77	Pass
			5	23.42	-3.53	17.74	<=34.77	Pass
		3	0	23.31	-3.53	17.63	<=34.77	Pass
			2	23.25	-3.53	17.57	<=34.77	Pass
			3	23.25	-3.53	17.57	<=34.77	Pass
		6	0	22.25	-3.53	16.57	<=34.77	Pass
	715.3	1	0	23.15	-3.53	17.47	<=34.77	Pass
			2	23.26	-3.53	17.58	<=34.77	Pass
			5	23.32	-3.53	17.64	<=34.77	Pass
		3	0	23.22	-3.53	17.54	<=34.77	Pass
			2	23.18	-3.53	17.50	<=34.77	Pass
			3	23.20	-3.53	17.52	<=34.77	Pass
		6	0	22.09	-3.53	16.41	<=34.77	Pass
16QAM	699.7	1	0	21.87	-3.53	16.19	<=34.77	Pass
			2	21.51	-3.53	15.83	<=34.77	Pass
			5	21.37	-3.53	15.69	<=34.77	Pass
		3	0	21.99	-3.53	16.31	<=34.77	Pass
			2	22.08	-3.53	16.40	<=34.77	Pass
			3	22.05	-3.53	16.37	<=34.77	Pass
		6	0	20.96	-3.53	15.28	<=34.77	Pass
	707.5	1	0	22.18	-3.53	16.50	<=34.77	Pass
			2	22.12	-3.53	16.44	<=34.77	Pass
			5	21.89	-3.53	16.21	<=34.77	Pass
		3	0	22.31	-3.53	16.63	<=34.77	Pass
			2	22.28	-3.53	16.60	<=34.77	Pass
			3	22.23	-3.53	16.55	<=34.77	Pass
		6	0	21.22	-3.53	15.54	<=34.77	Pass
	715.3	1	0	21.86	-3.53	16.18	<=34.77	Pass
			2	21.83	-3.53	16.15	<=34.77	Pass
			5	21.73	-3.53	16.05	<=34.77	Pass
		3	0	22.10	-3.53	16.42	<=34.77	Pass
			2	22.12	-3.53	16.44	<=34.77	Pass
			3	22.00	-3.53	16.32	<=34.77	Pass
		6	0	20.98	-3.53	15.30	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	22.81	-3.53	17.13	<=34.77	Pass	
			7	23.02	-3.53	17.34	<=34.77	Pass	
			14	22.77	-3.53	17.09	<=34.77	Pass	
		8	0	22.12	-3.53	16.44	<=34.77	Pass	
			4	22.16	-3.53	16.48	<=34.77	Pass	
			7	21.98	-3.53	16.30	<=34.77	Pass	
		15	0	22.05	-3.53	16.37	<=34.77	Pass	
		707.5	1	0	23.33	-3.53	17.65	<=34.77	Pass
				7	23.52	-3.53	17.84	<=34.77	Pass
	14			23.26	-3.53	17.58	<=34.77	Pass	
	8		0	22.39	-3.53	16.71	<=34.77	Pass	
			4	22.33	-3.53	16.65	<=34.77	Pass	
			7	22.19	-3.53	16.51	<=34.77	Pass	
	15	0	22.15	-3.53	16.47	<=34.77	Pass		
	714.5	1	0	23.31	-3.53	17.63	<=34.77	Pass	
			7	23.43	-3.53	17.75	<=34.77	Pass	
			14	23.13	-3.53	17.45	<=34.77	Pass	
		8	0	22.42	-3.53	16.74	<=34.77	Pass	
			4	22.30	-3.53	16.62	<=34.77	Pass	
			7	22.17	-3.53	16.49	<=34.77	Pass	
15		0	22.22	-3.53	16.54	<=34.77	Pass		
16QAM		700.5	1	0	22.18	-3.53	16.50	<=34.77	Pass
				7	22.06	-3.53	16.38	<=34.77	Pass
	14			21.54	-3.53	15.86	<=34.77	Pass	
	8		0	20.93	-3.53	15.25	<=34.77	Pass	
			4	21.07	-3.53	15.39	<=34.77	Pass	
			7	20.91	-3.53	15.23	<=34.77	Pass	
	15	0	20.92	-3.53	15.24	<=34.77	Pass		
	707.5	1	0	22.21	-3.53	16.53	<=34.77	Pass	
			7	22.03	-3.53	16.35	<=34.77	Pass	
			14	21.84	-3.53	16.16	<=34.77	Pass	
		8	0	21.44	-3.53	15.76	<=34.77	Pass	
			4	21.22	-3.53	15.54	<=34.77	Pass	
			7	21.38	-3.53	15.70	<=34.77	Pass	
	15	0	21.43	-3.53	15.75	<=34.77	Pass		
	714.5	1	0	22.15	-3.53	16.47	<=34.77	Pass	
			7	22.07	-3.53	16.39	<=34.77	Pass	
			14	21.51	-3.53	15.83	<=34.77	Pass	
		8	0	21.12	-3.53	15.44	<=34.77	Pass	
			4	21.11	-3.53	15.43	<=34.77	Pass	
			7	20.89	-3.53	15.21	<=34.77	Pass	
15	0	21.16	-3.53	15.48	<=34.77	Pass			
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	22.95	-3.53	17.27	<=34.77	Pass
			13	23.03	-3.53	17.35	<=34.77	Pass
			24	22.78	-3.53	17.10	<=34.77	Pass
		12	0	22.18	-3.53	16.50	<=34.77	Pass
			6	22.26	-3.53	16.58	<=34.77	Pass
			13	21.98	-3.53	16.30	<=34.77	Pass

	707.5	25	0	22.12	-3.53	16.44	<=34.77	Pass
		1	0	23.22	-3.53	17.54	<=34.77	Pass
			13	23.42	-3.53	17.74	<=34.77	Pass
			24	22.94	-3.53	17.26	<=34.77	Pass
			0	22.22	-3.53	16.54	<=34.77	Pass
		12	6	22.32	-3.53	16.64	<=34.77	Pass
			13	22.00	-3.53	16.32	<=34.77	Pass
			25	0	22.18	-3.53	16.50	<=34.77
		713.5	1	0	23.01	-3.53	17.33	<=34.77
	13			23.40	-3.53	17.72	<=34.77	Pass
	24			23.07	-3.53	17.39	<=34.77	Pass
	12		0	22.08	-3.53	16.40	<=34.77	Pass
			6	22.20	-3.53	16.52	<=34.77	Pass
			13	22.06	-3.53	16.38	<=34.77	Pass
	25		0	22.14	-3.53	16.46	<=34.77	Pass
16QAM	701.5	1	0	21.70	-3.53	16.02	<=34.77	Pass
			13	21.96	-3.53	16.28	<=34.77	Pass
			24	21.52	-3.53	15.84	<=34.77	Pass
		12	0	20.96	-3.53	15.28	<=34.77	Pass
			6	20.96	-3.53	15.28	<=34.77	Pass
			13	21.09	-3.53	15.41	<=34.77	Pass
		25	0	21.30	-3.53	15.62	<=34.77	Pass
	707.5	1	0	22.10	-3.53	16.42	<=34.77	Pass
			13	21.75	-3.53	16.07	<=34.77	Pass
			24	21.62	-3.53	15.94	<=34.77	Pass
		12	0	21.04	-3.53	15.36	<=34.77	Pass
			6	21.14	-3.53	15.46	<=34.77	Pass
			13	20.91	-3.53	15.23	<=34.77	Pass
		25	0	21.08	-3.53	15.40	<=34.77	Pass
	713.5	1	0	21.52	-3.53	15.84	<=34.77	Pass
			13	22.06	-3.53	16.38	<=34.77	Pass
			24	21.40	-3.53	15.72	<=34.77	Pass
		12	0	20.90	-3.53	15.22	<=34.77	Pass
			6	21.02	-3.53	15.34	<=34.77	Pass
			13	21.09	-3.53	15.41	<=34.77	Pass
		25	0	21.25	-3.53	15.57	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.80	-3.53	17.12	<=34.77	Pass
			25	23.13	-3.53	17.45	<=34.77	Pass
			49	22.94	-3.53	17.26	<=34.77	Pass
		25	0	22.11	-3.53	16.43	<=34.77	Pass
			13	22.08	-3.53	16.40	<=34.77	Pass
			25	22.10	-3.53	16.42	<=34.77	Pass
		50	0	22.15	-3.53	16.47	<=34.77	Pass
	707.5	1	0	23.06	-3.53	17.38	<=34.77	Pass
			25	23.59	-3.53	17.91	<=34.77	Pass
			49	23.03	-3.53	17.35	<=34.77	Pass
		25	0	22.20	-3.53	16.52	<=34.77	Pass
			13	22.17	-3.53	16.49	<=34.77	Pass
			25	22.14	-3.53	16.46	<=34.77	Pass
		50	0	22.18	-3.53	16.50	<=34.77	Pass

	711	1	0	23.22	-3.53	17.54	<=34.77	Pass		
			25	23.45	-3.53	17.77	<=34.77	Pass		
			49	23.14	-3.53	17.46	<=34.77	Pass		
		25	0	22.20	-3.53	16.52	<=34.77	Pass		
			13	22.21	-3.53	16.53	<=34.77	Pass		
			25	22.20	-3.53	16.52	<=34.77	Pass		
		50	0	22.21	-3.53	16.53	<=34.77	Pass		
		16QAM	704	1	0	21.74	-3.53	16.06	<=34.77	Pass
					25	22.30	-3.53	16.62	<=34.77	Pass
49	21.71				-3.53	16.03	<=34.77	Pass		
25	0			21.21	-3.53	15.53	<=34.77	Pass		
	13			21.13	-3.53	15.45	<=34.77	Pass		
	25			21.19	-3.53	15.51	<=34.77	Pass		
50	0			21.32	-3.53	15.64	<=34.77	Pass		
707.5	1			0	21.54	-3.53	15.86	<=34.77	Pass	
				25	21.68	-3.53	16.00	<=34.77	Pass	
			49	21.16	-3.53	15.48	<=34.77	Pass		
	25		0	21.30	-3.53	15.62	<=34.77	Pass		
			13	21.17	-3.53	15.49	<=34.77	Pass		
			25	21.15	-3.53	15.47	<=34.77	Pass		
	50		0	21.28	-3.53	15.60	<=34.77	Pass		
	711		1	0	22.05	-3.53	16.37	<=34.77	Pass	
				25	22.15	-3.53	16.47	<=34.77	Pass	
49				21.60	-3.53	15.92	<=34.77	Pass		
25			0	21.18	-3.53	15.50	<=34.77	Pass		
			13	21.48	-3.53	15.80	<=34.77	Pass		
			25	21.22	-3.53	15.54	<=34.77	Pass		
50			0	21.31	-3.53	15.63	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	707.5	50	0	20	3.5	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.87	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.4	-1.800	-0.0025	-2.5 to 2.5	Pass
				-30	3.87	1.200	0.0017	-2.5 to 2.5	Pass
				-20	3.87	1.100	0.0016	-2.5 to 2.5	Pass
				-10	3.87	1.400	0.0020	-2.5 to 2.5	Pass
				0	3.87	0.200	0.0003	-2.5 to 2.5	Pass
				10	3.87	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.87	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	3.87	-0.500	-0.0007	-2.5 to 2.5	Pass
				50	3.87	-2.400	-0.0034	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

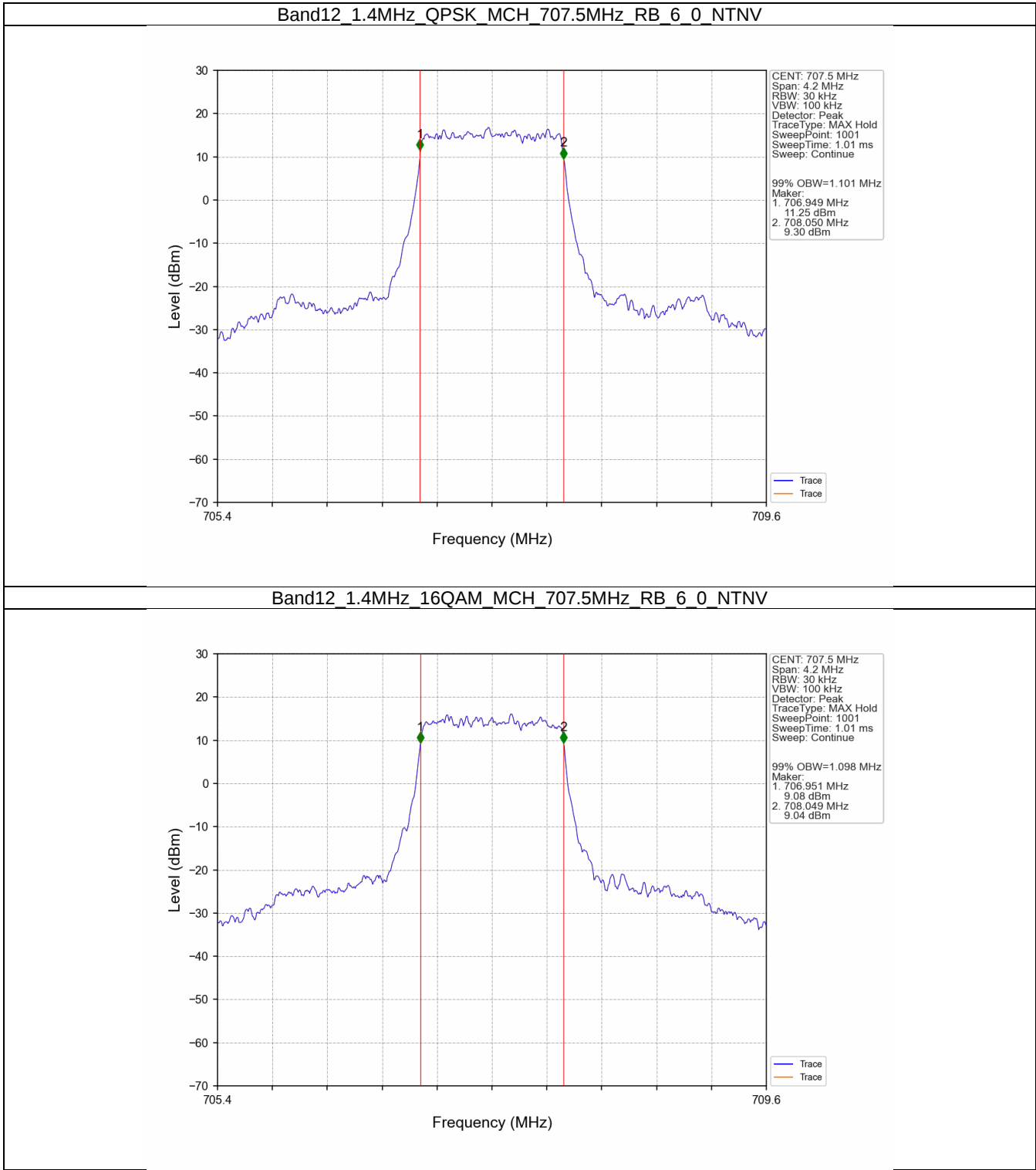
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.101	/	Pass
	16QAM	707.5	6	0	1.098	/	Pass
3	QPSK	707.5	15	0	2.729	/	Pass
	16QAM	707.5	15	0	2.722	/	Pass
5	QPSK	707.5	25	0	4.505	/	Pass
	16QAM	707.5	25	0	4.492	/	Pass
10	QPSK	707.5	50	0	8.972	/	Pass
	16QAM	707.5	50	0	8.950	/	Pass

3.1.2 Band12_XDB

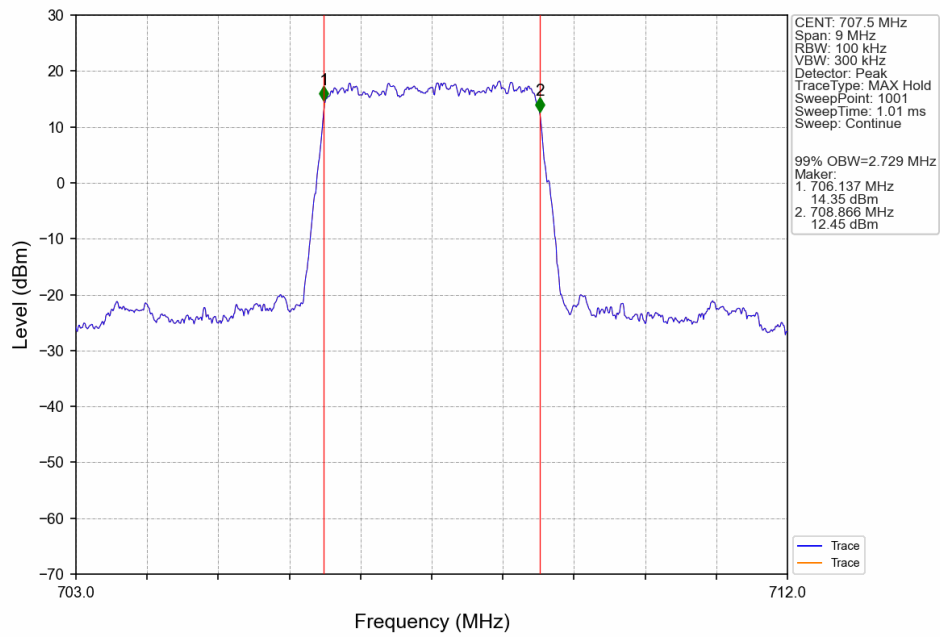
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.309	/	Pass
	16QAM	707.5	6	0	1.287	/	Pass
3	QPSK	707.5	15	0	3.069	/	Pass
	16QAM	707.5	15	0	3.061	/	Pass
5	QPSK	707.5	25	0	4.973	/	Pass
	16QAM	707.5	25	0	4.959	/	Pass
10	QPSK	707.5	50	0	9.778	/	Pass
	16QAM	707.5	50	0	9.730	/	Pass

3.2 Test Graph

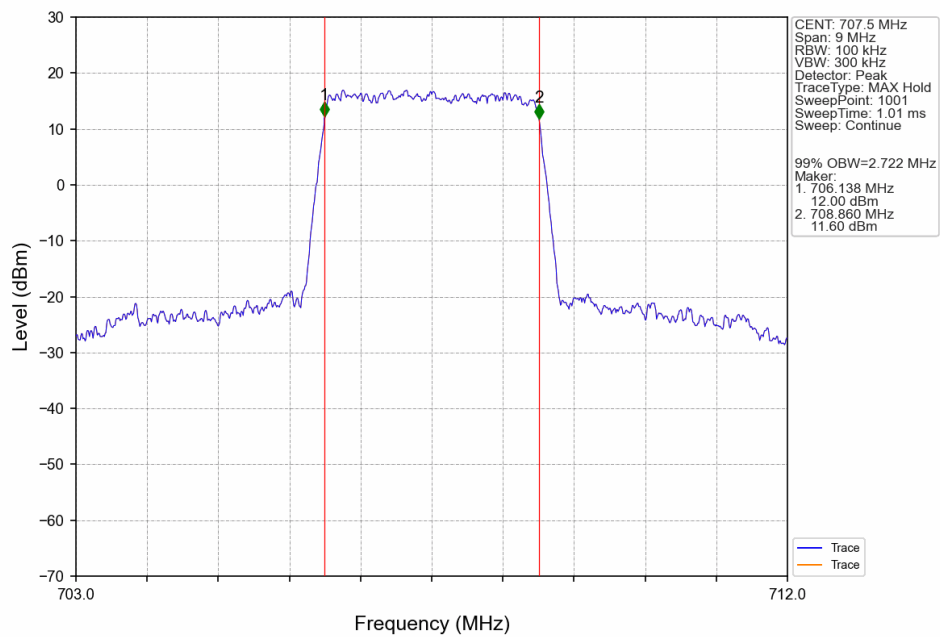
3.2.1 Band12_OBW



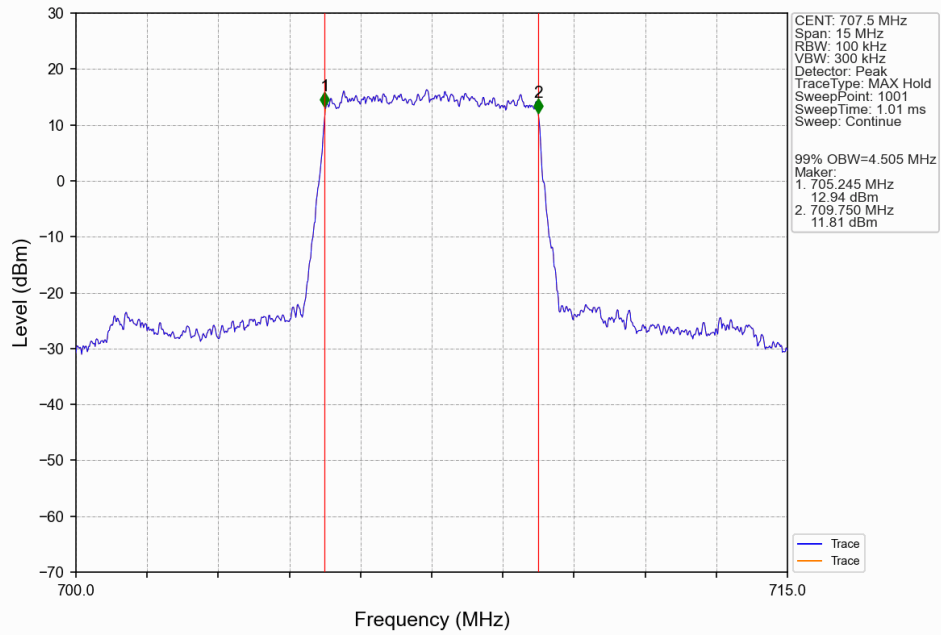
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



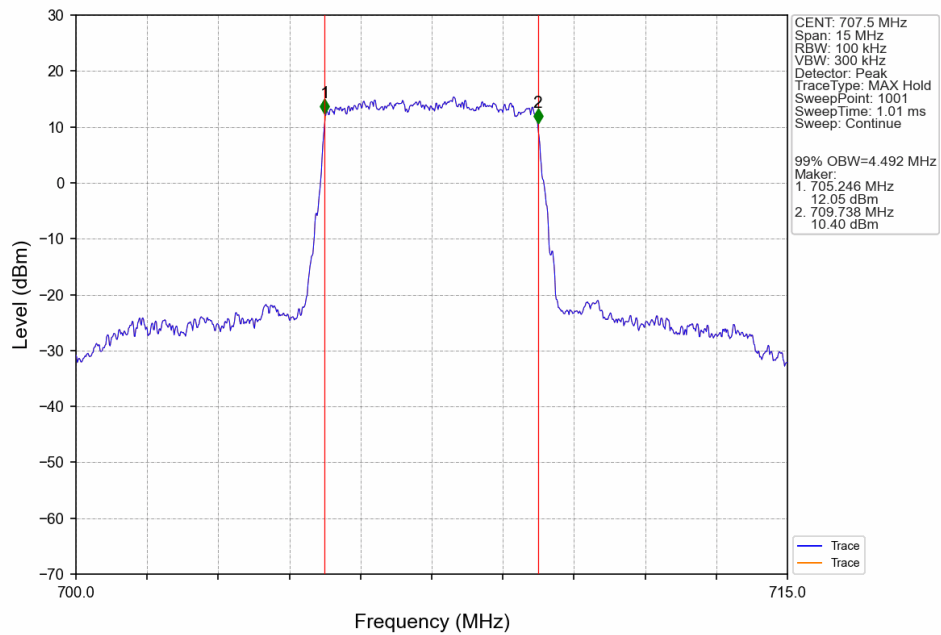
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



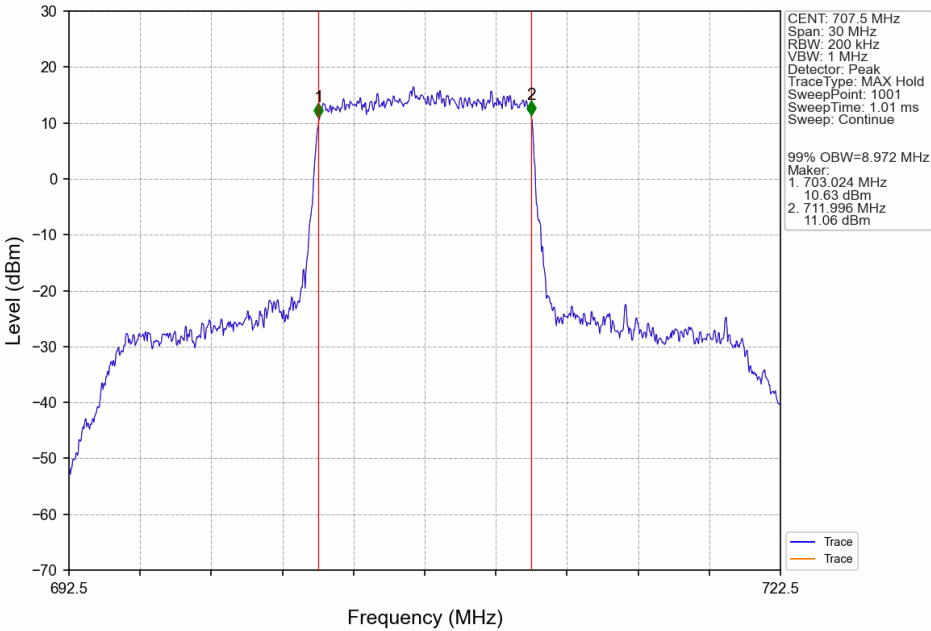
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



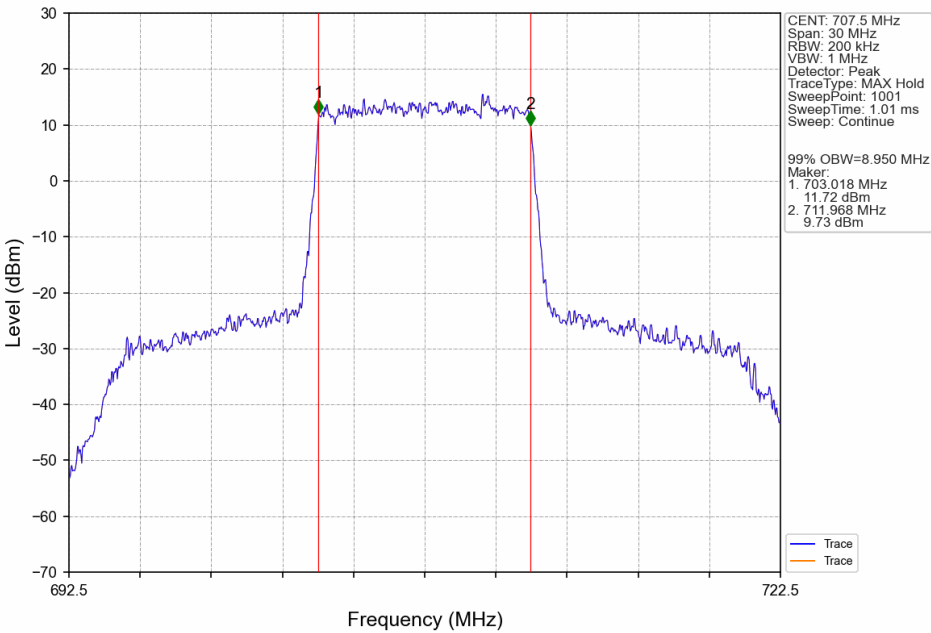
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



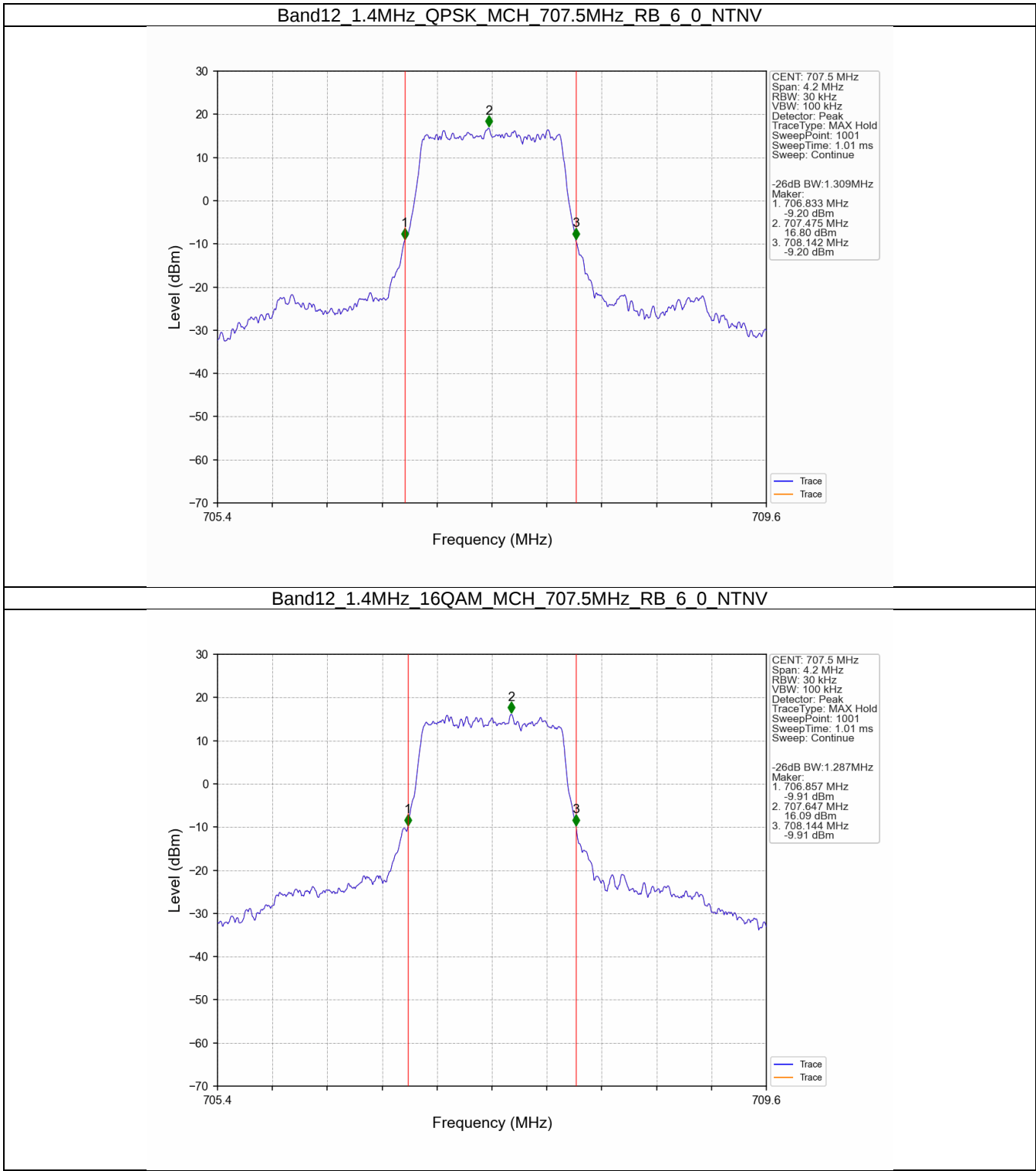
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



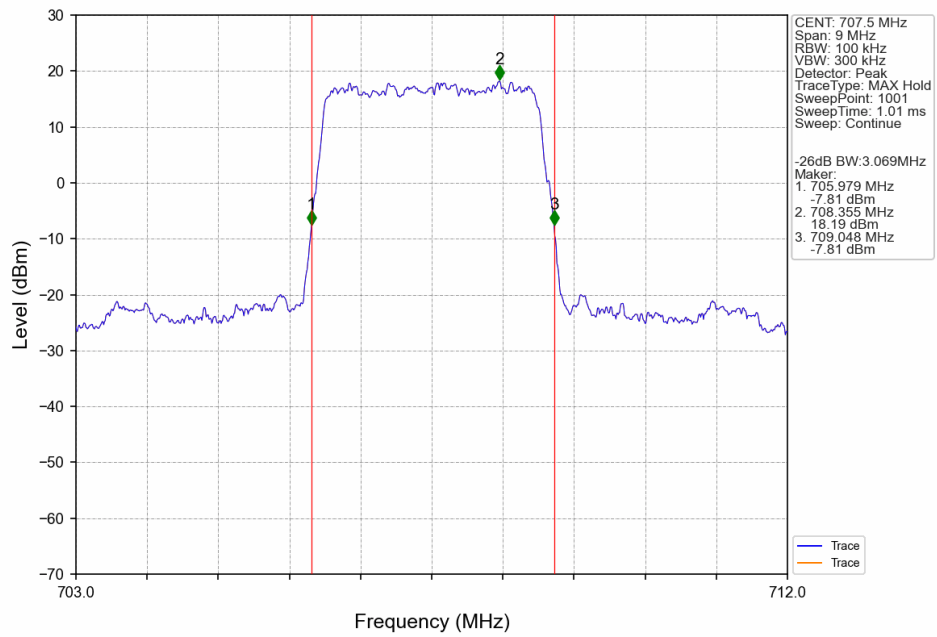
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



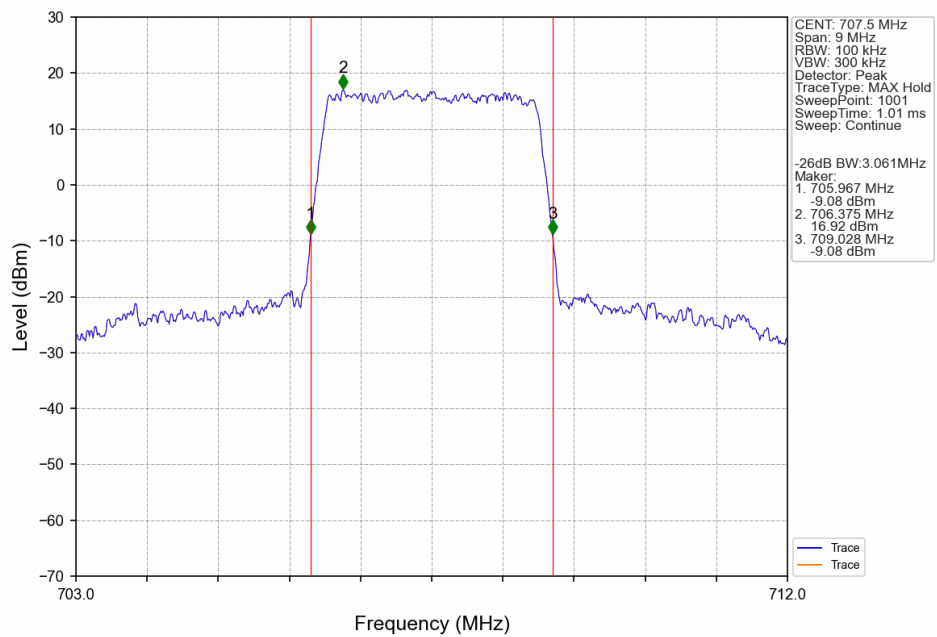
3.2.2 Band12_XDB



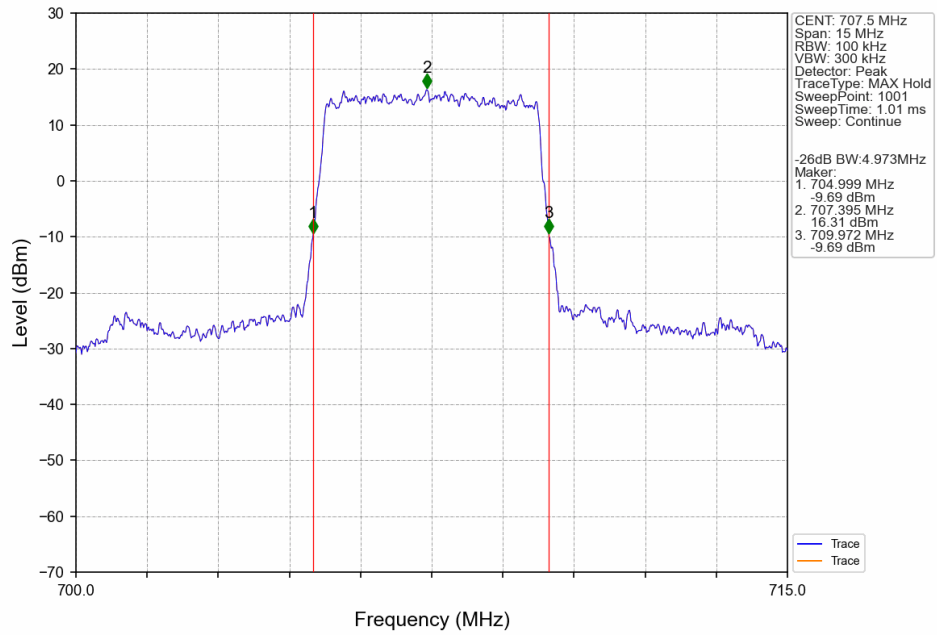
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



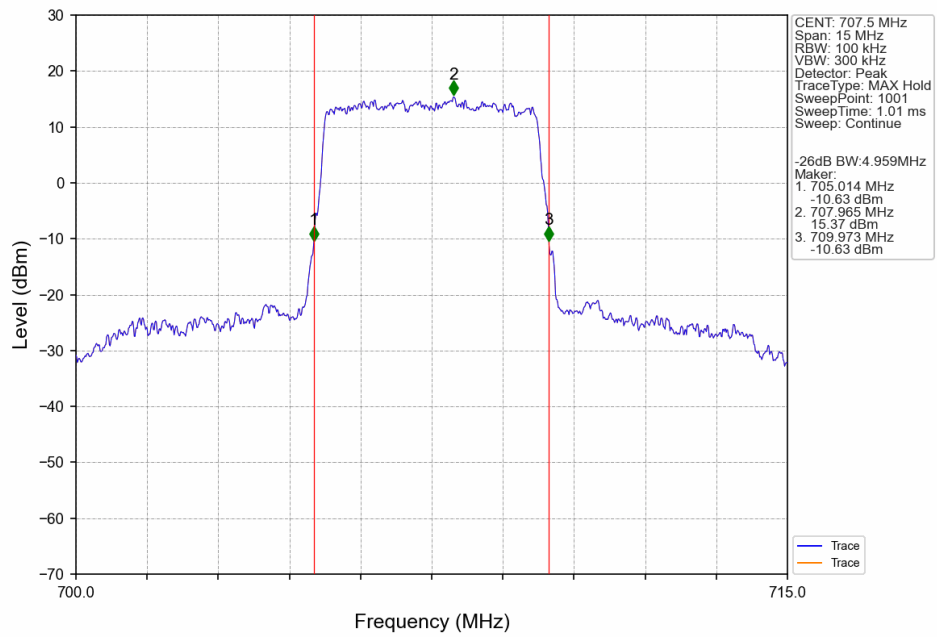
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



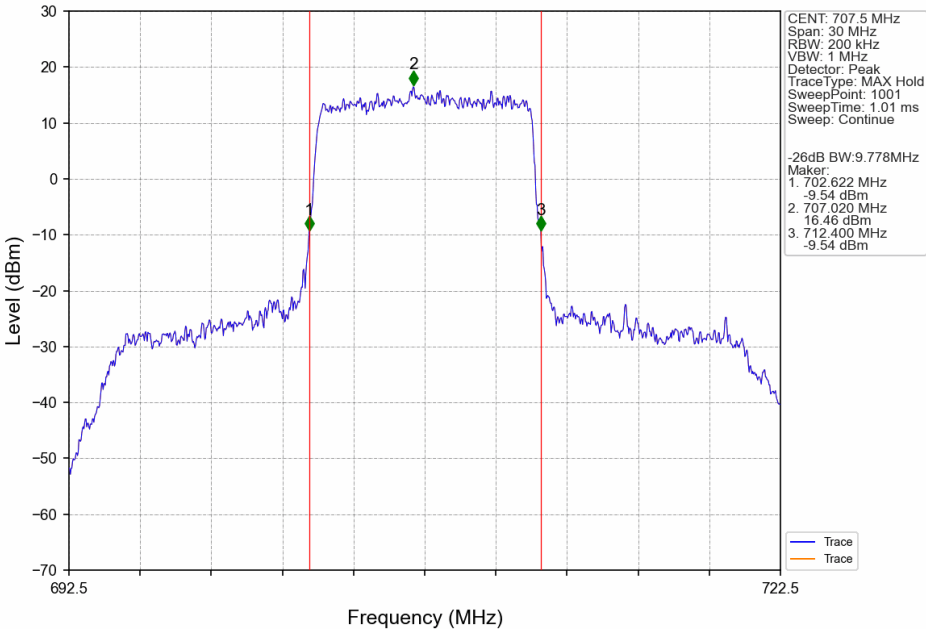
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



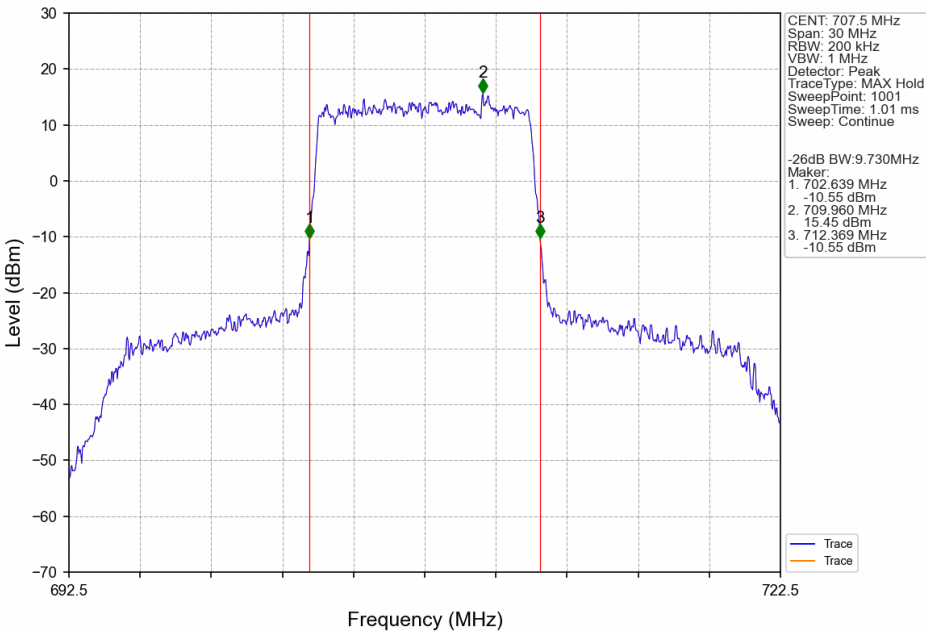
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

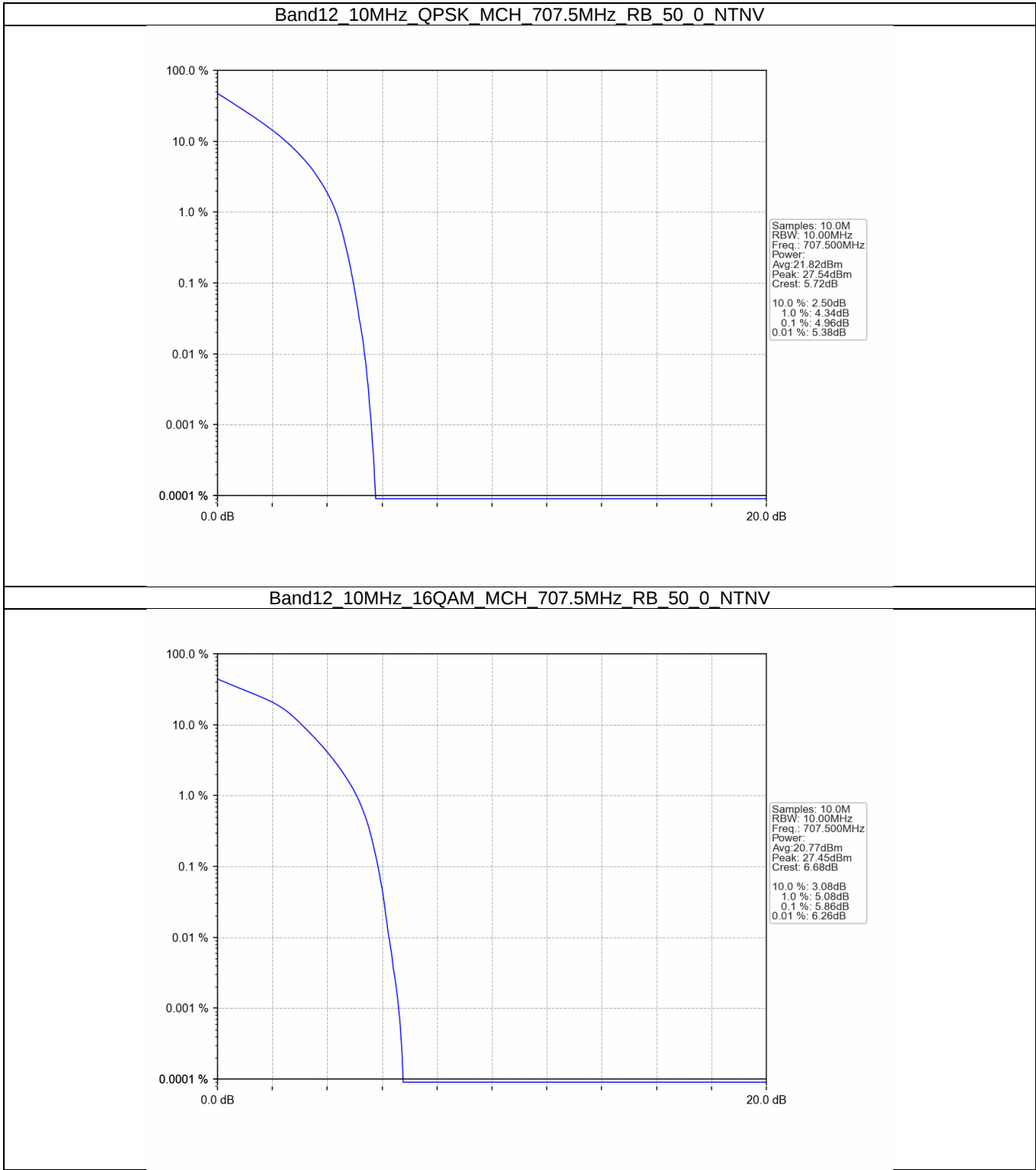
4.1 Test Result

4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	4.96	<=13	Pass
16QAM	707.5	50	0	5.86	<=13	Pass

4.2 Test Graph

4.2.1 B12_10MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B12_5MHz

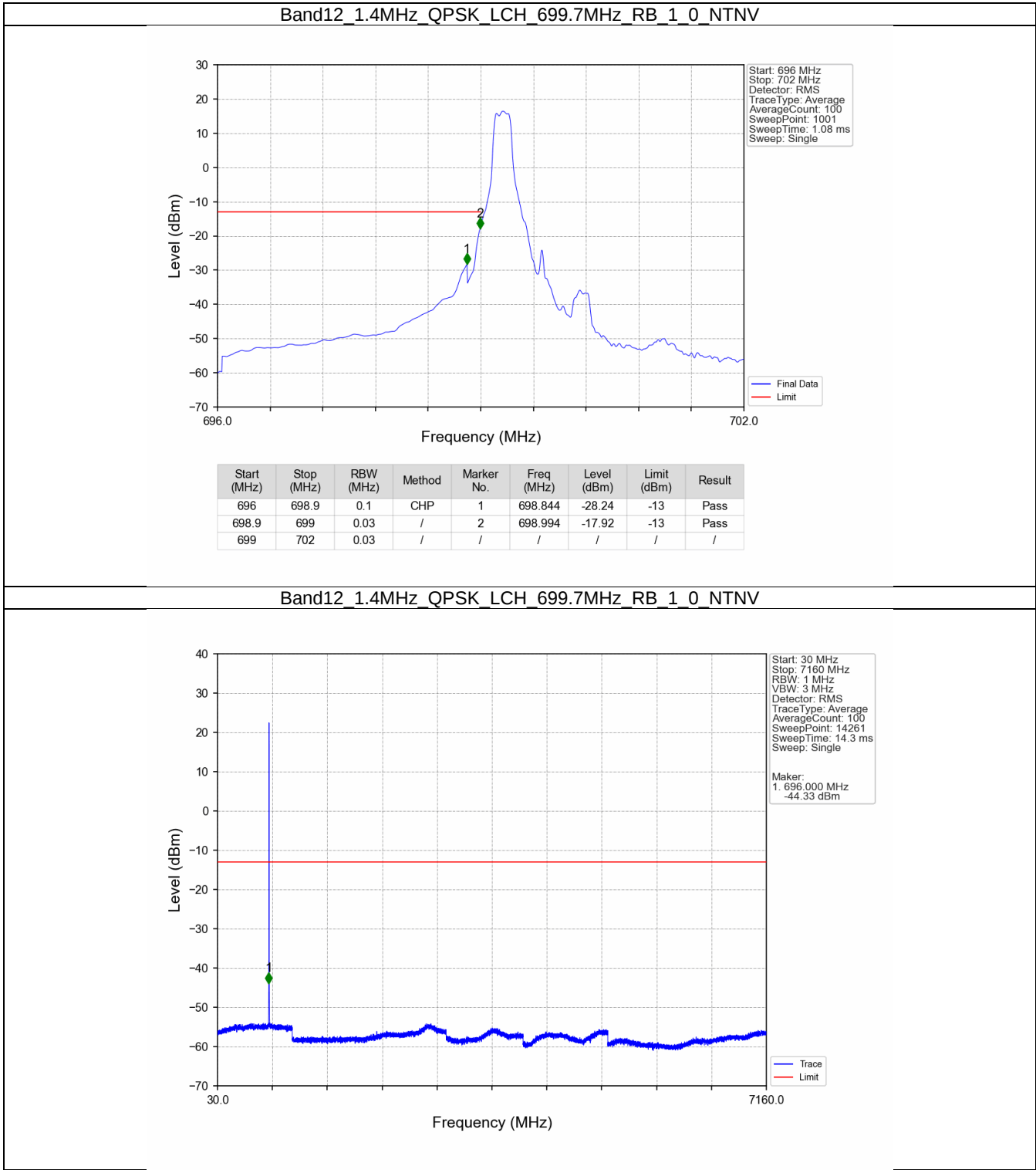
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B12_10MHz

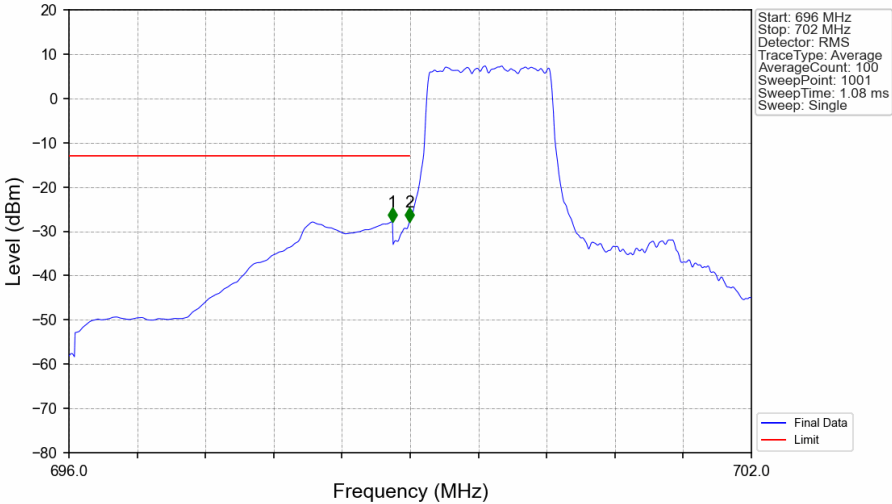
Band: 12 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B12_1.4MHz

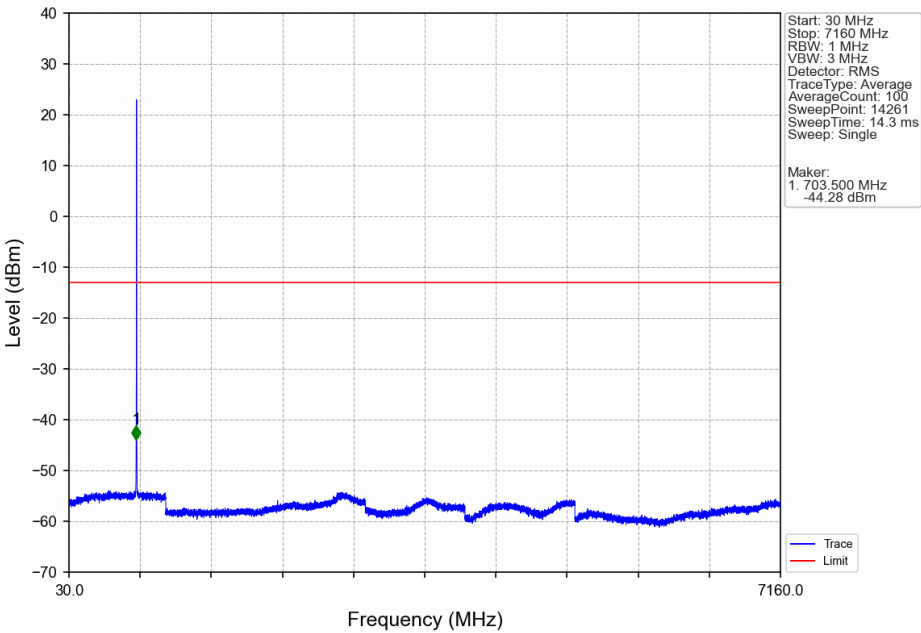


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

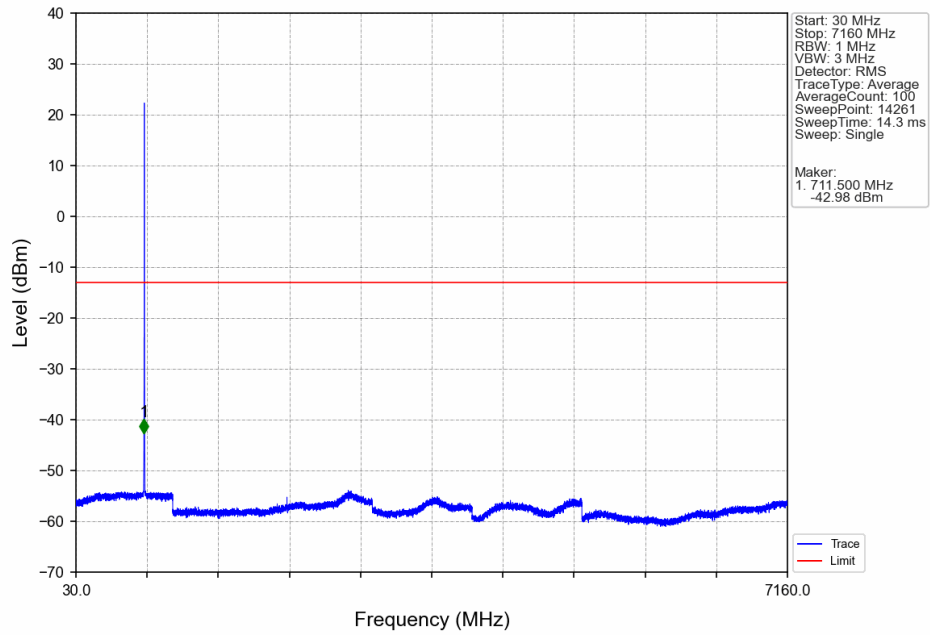


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-27.82	-13	Pass
698.9	699	0.03	/	2	698.994	-27.89	-13	Pass
699	702	0.03	/	/	/	/	/	/

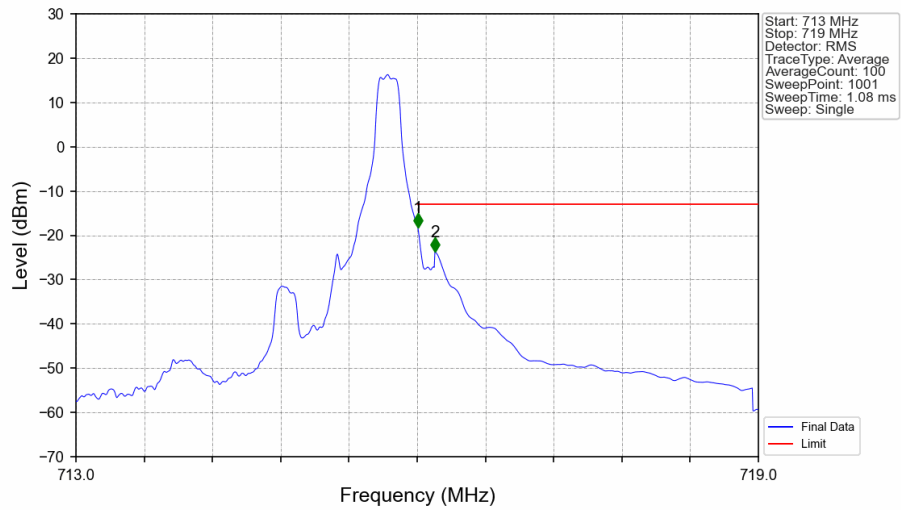
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

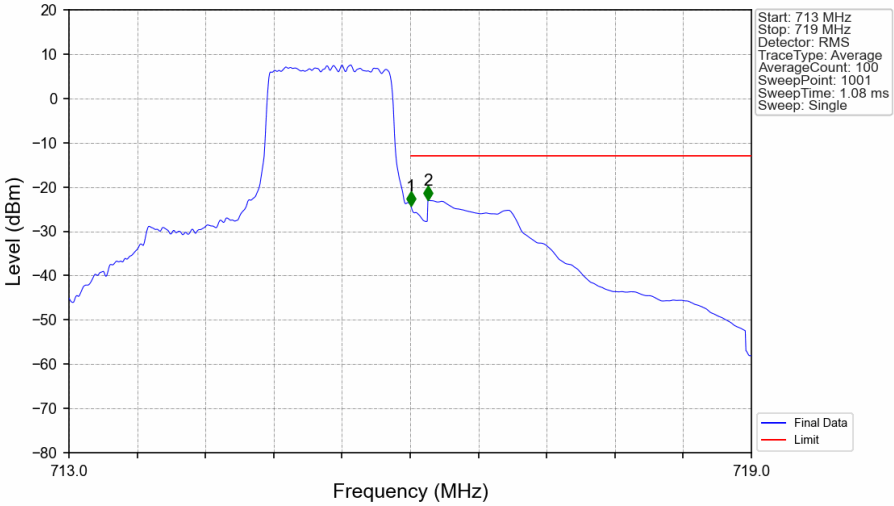


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



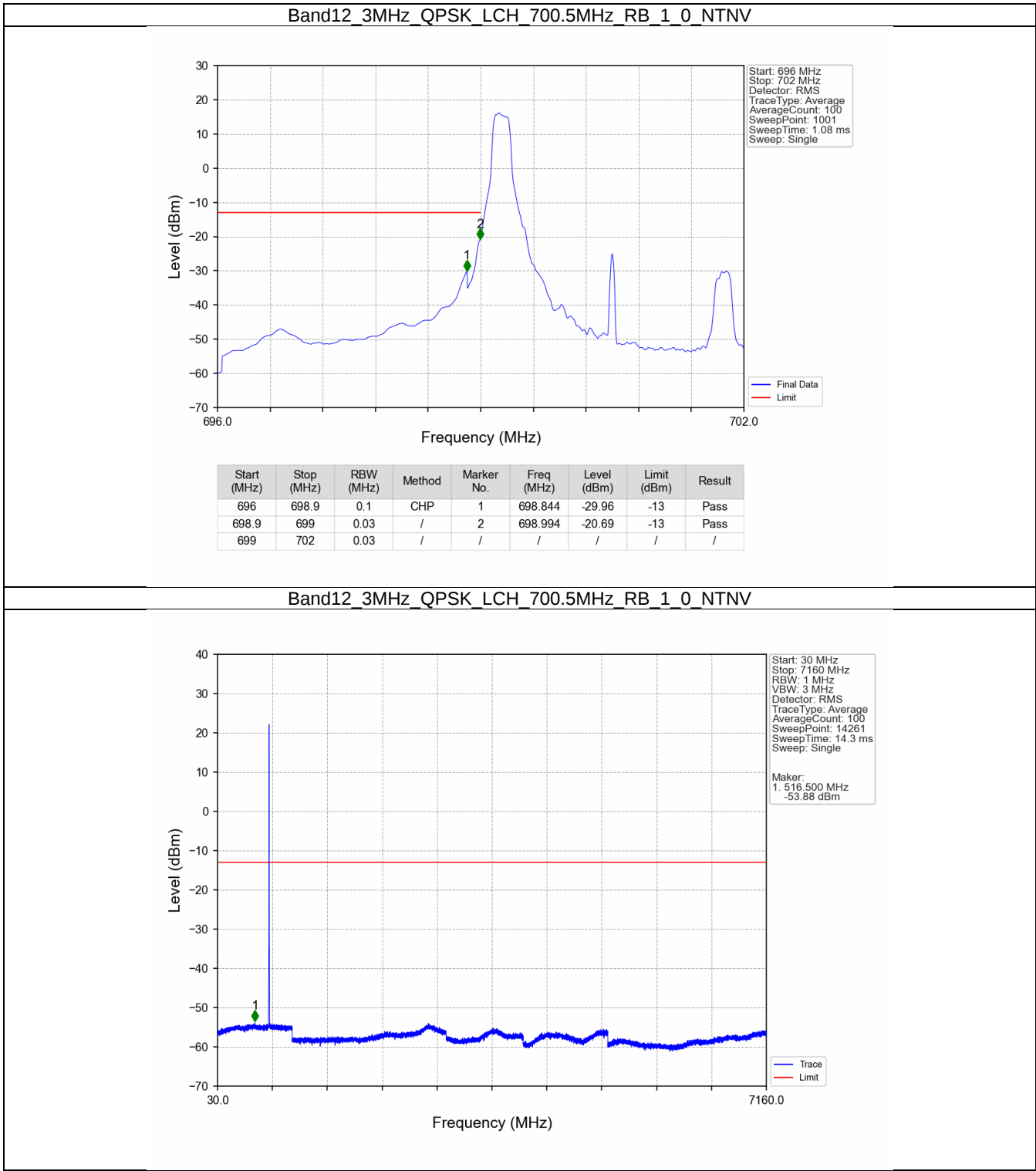
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-18.25	-13	Pass
716.1	719	0.1	CHP	2	716.156	-23.61	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

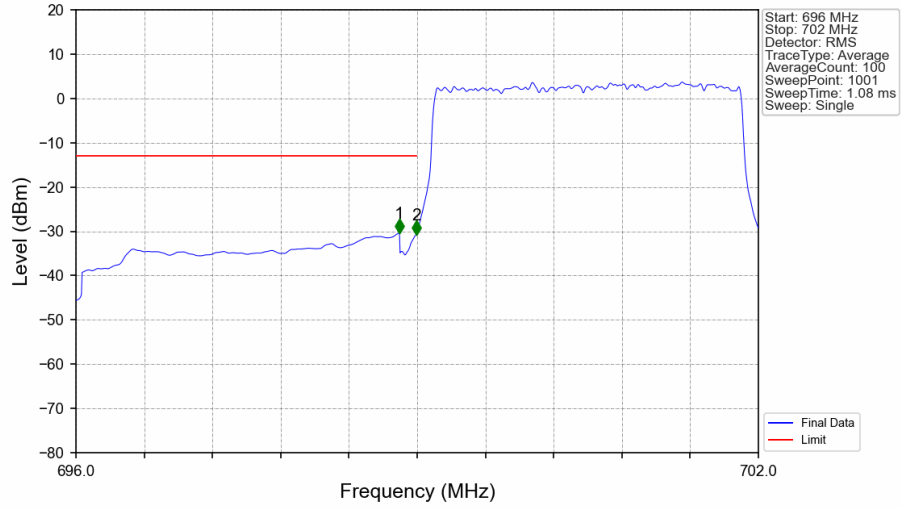


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-24.19	-13	Pass
716.1	719	0.1	CHP	2	716.156	-22.93	-13	Pass

5.2.2 B12_3MHz

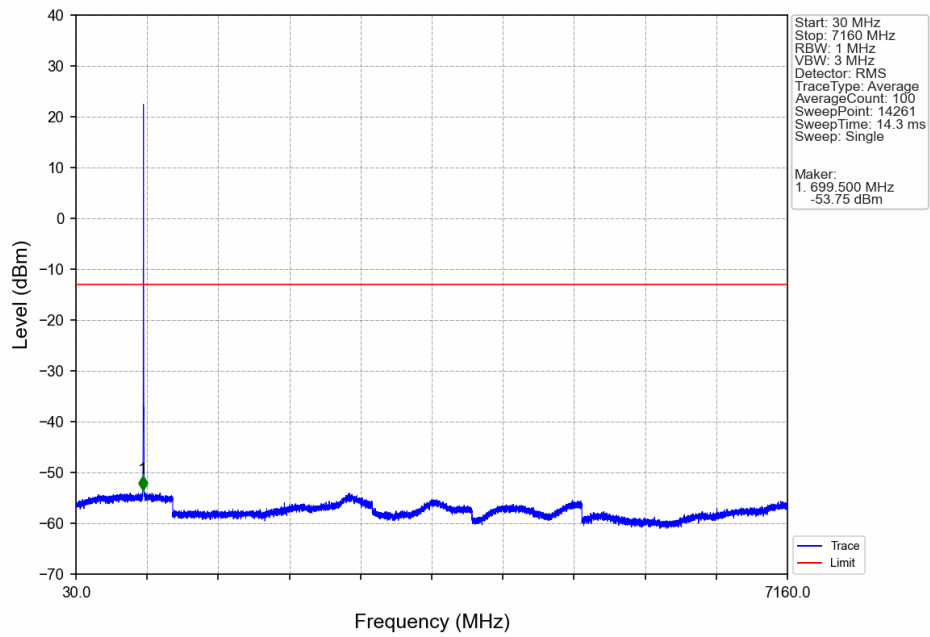


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

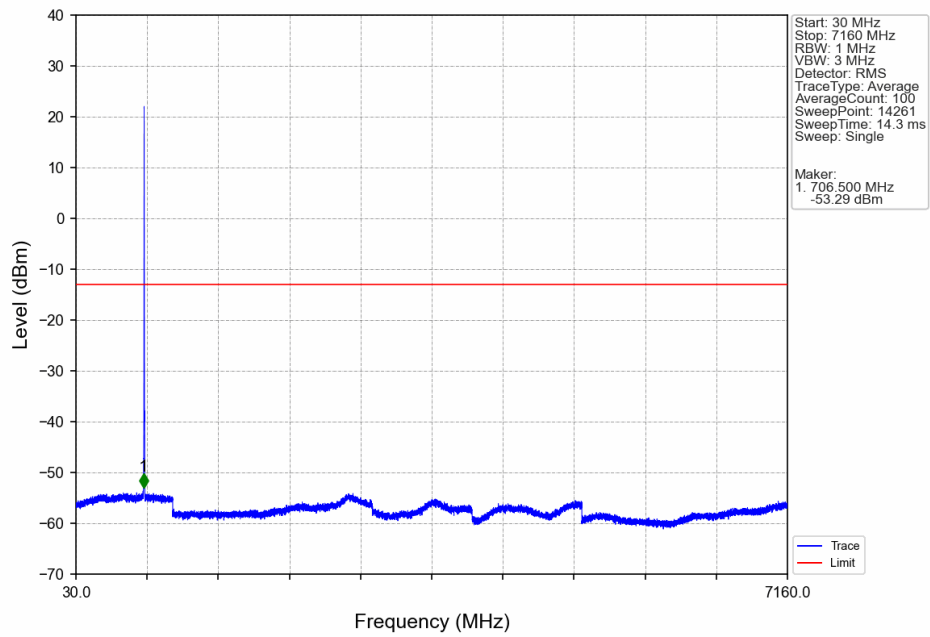


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.43	-13	Pass
698.9	699	0.03	/	2	698.994	-30.82	-13	Pass
699	702	0.03	/	/	/	/	/	/

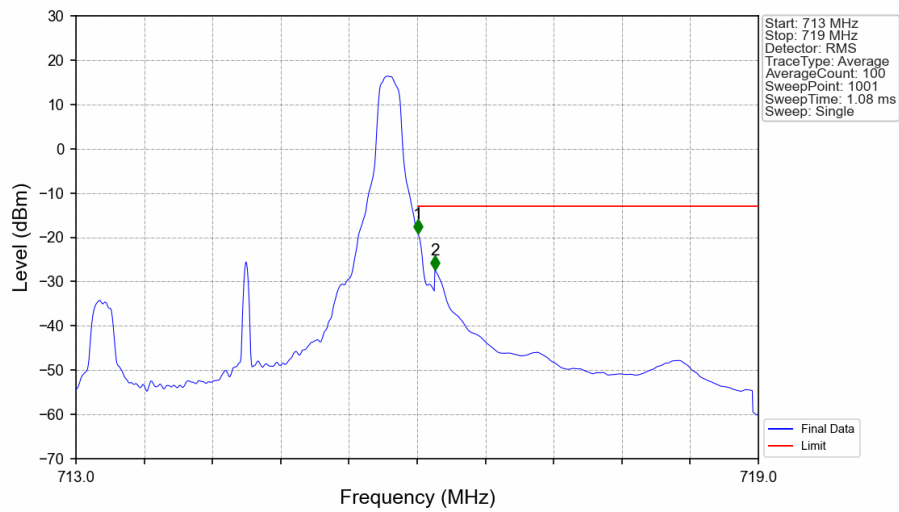
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

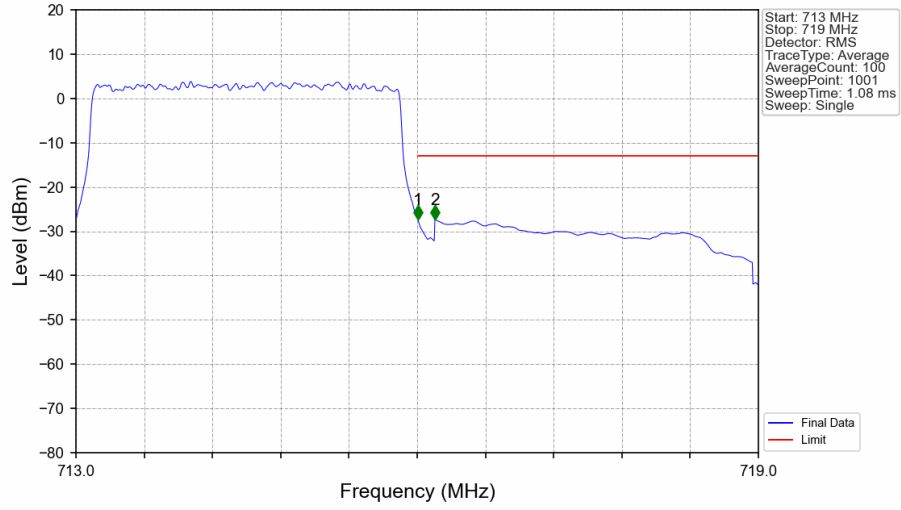


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.10	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.35	-13	Pass

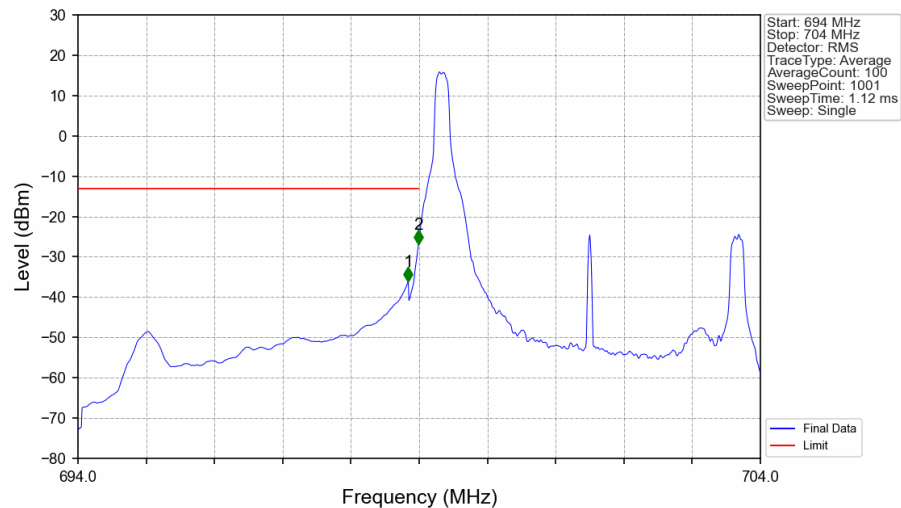
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-27.27	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.29	-13	Pass

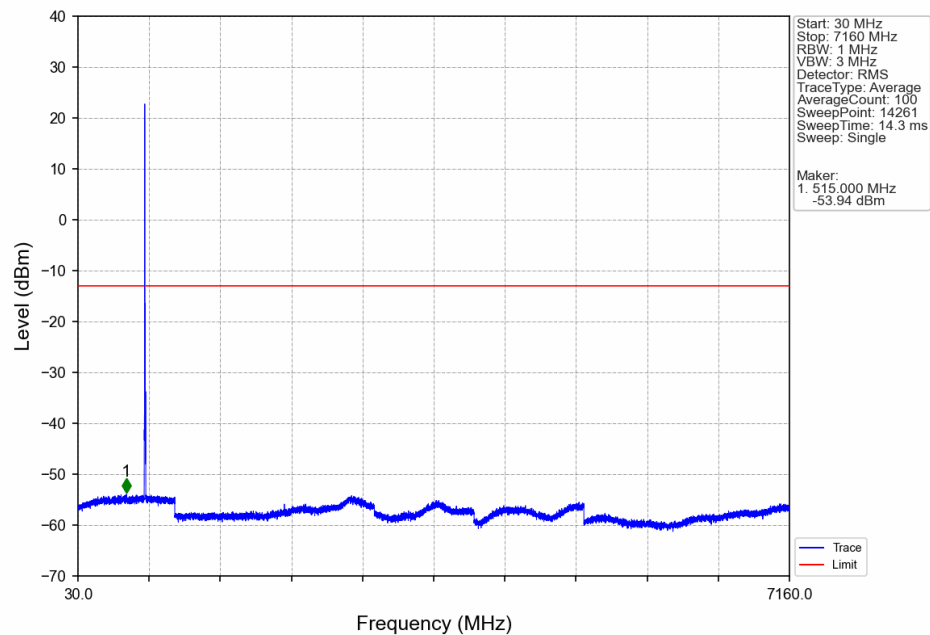
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

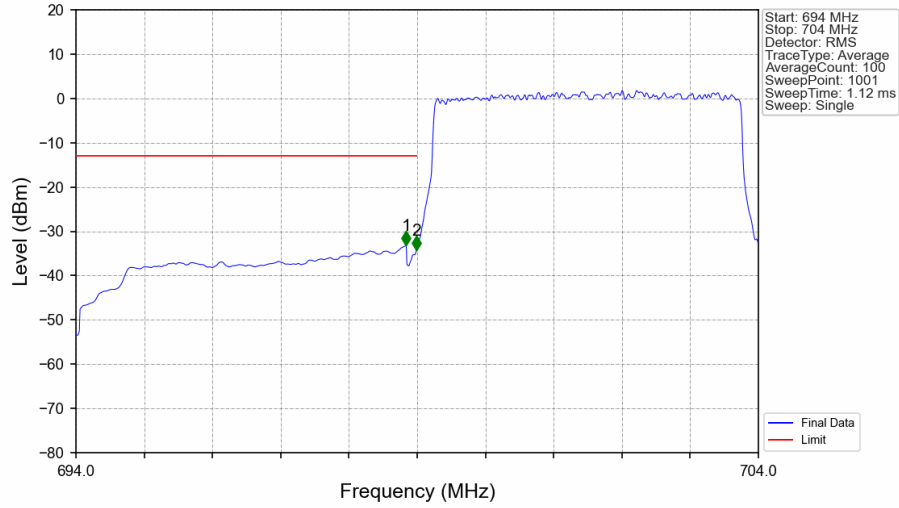


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-36.05	-13	Pass
698.9	699	0.03	/	2	698.990	-26.83	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

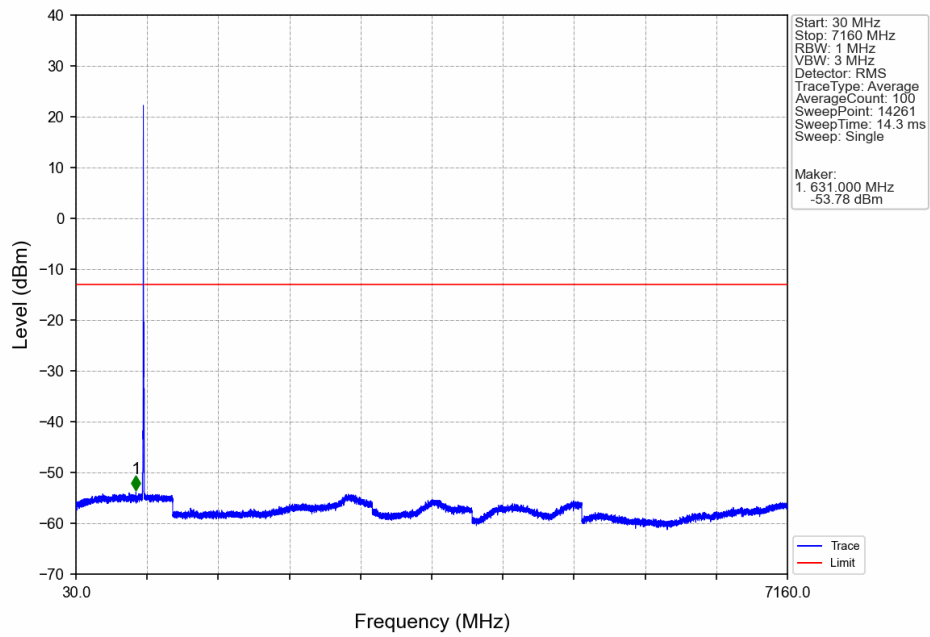


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

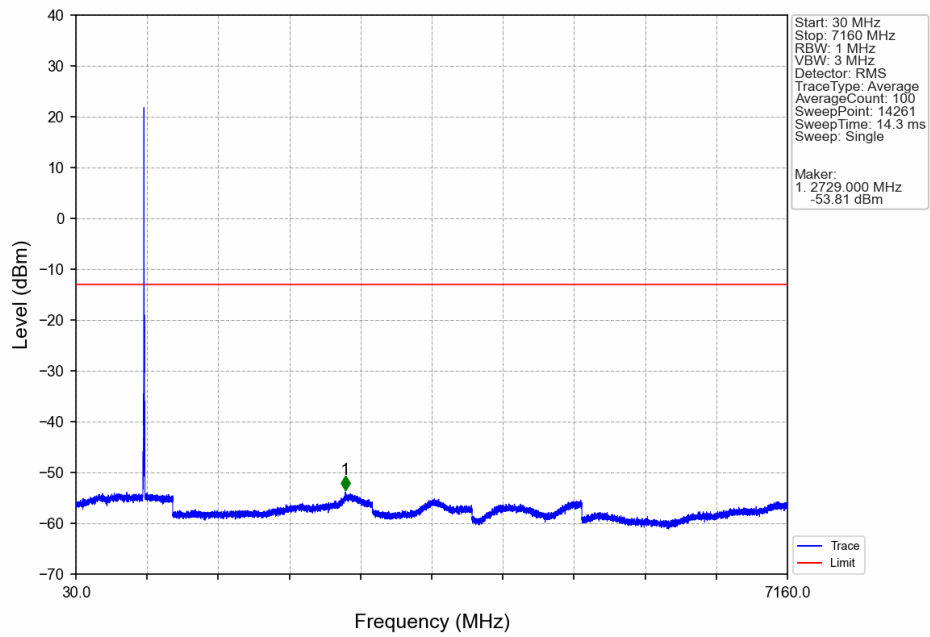


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-33.17	-13	Pass
698.9	699	0.03	/	2	698.990	-34.23	-13	Pass
699	704	0.03	/	/	/	/	/	/

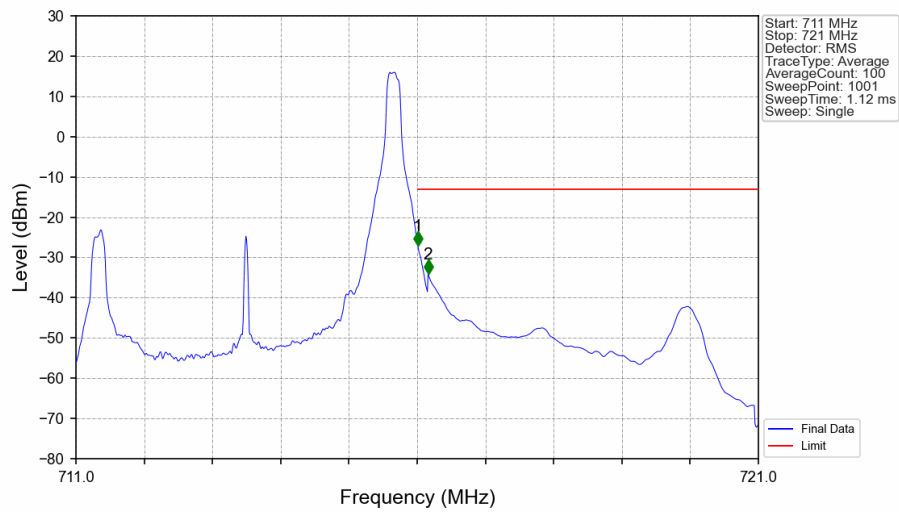
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

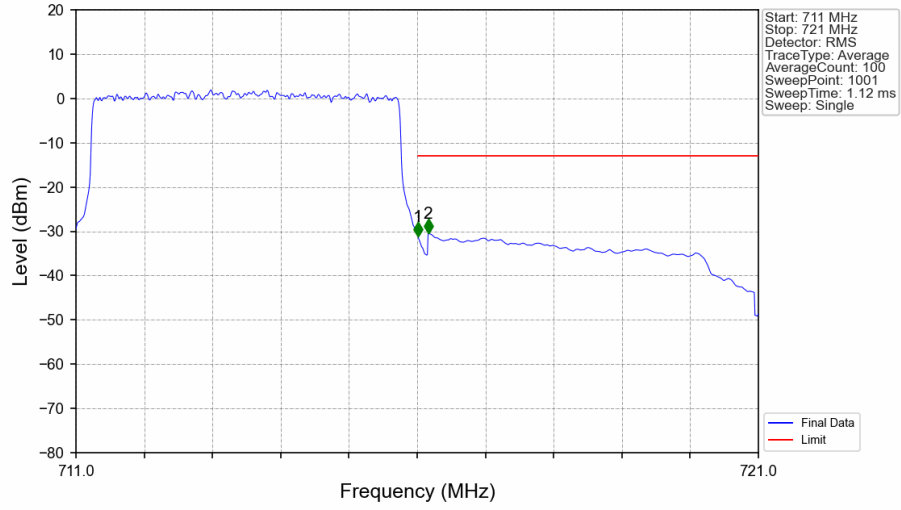


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



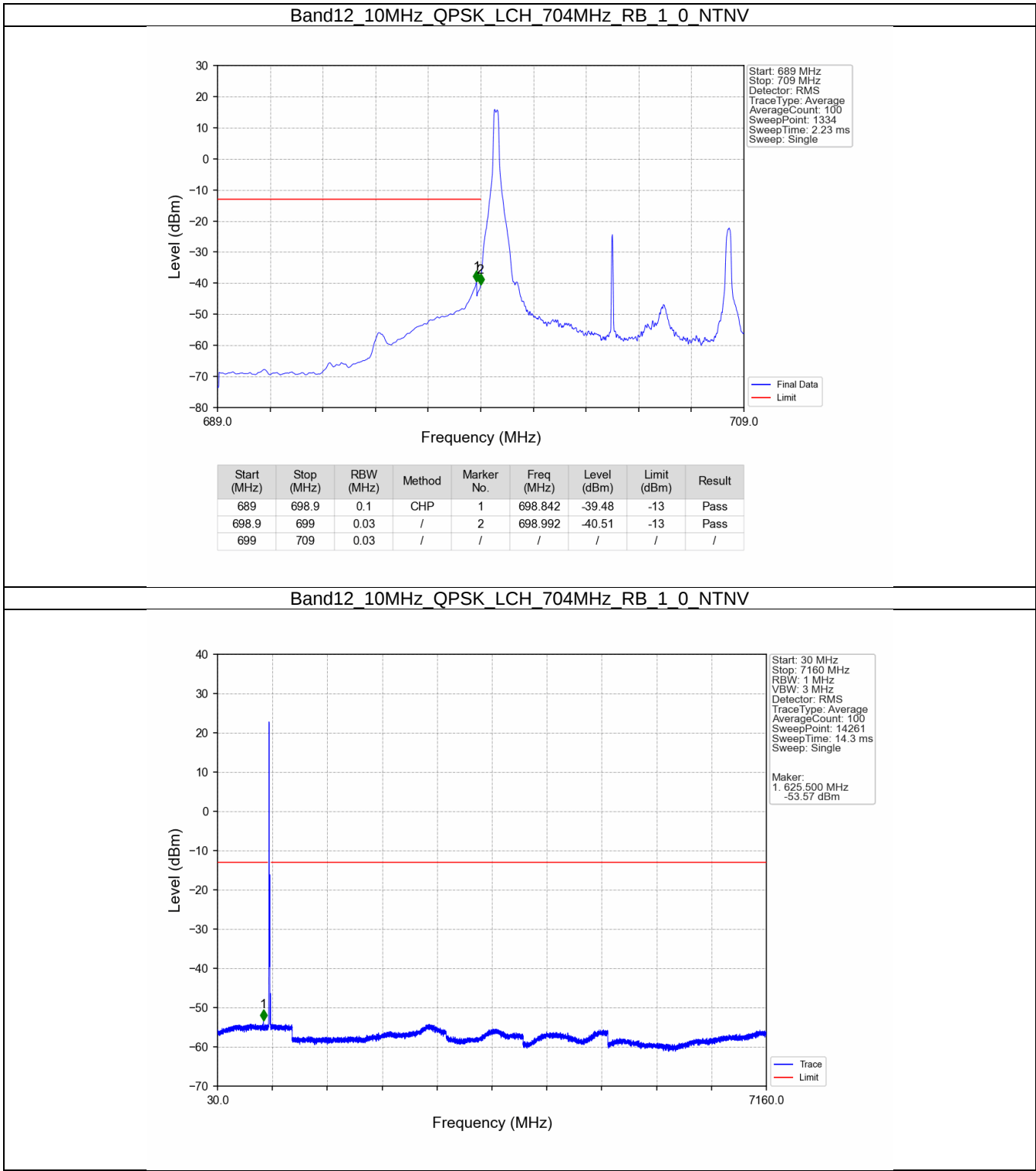
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-27.13	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.98	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

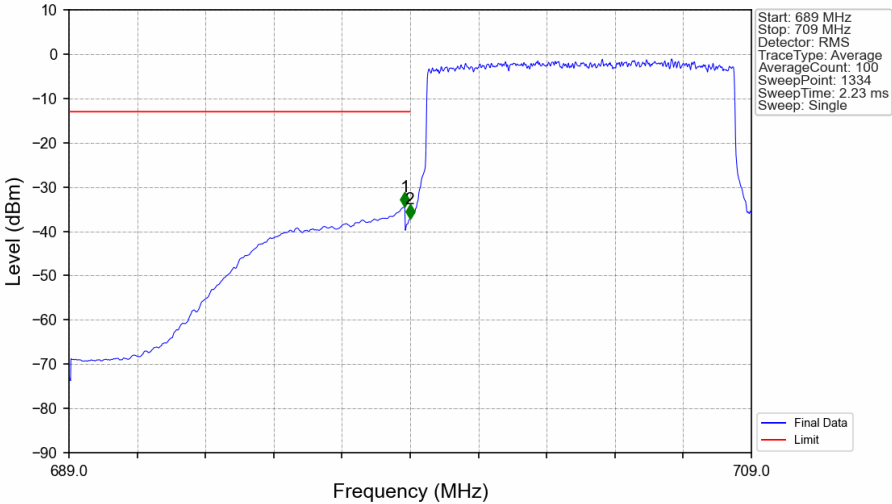


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-31.06	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.44	-13	Pass

5.2.4 B12_10MHz

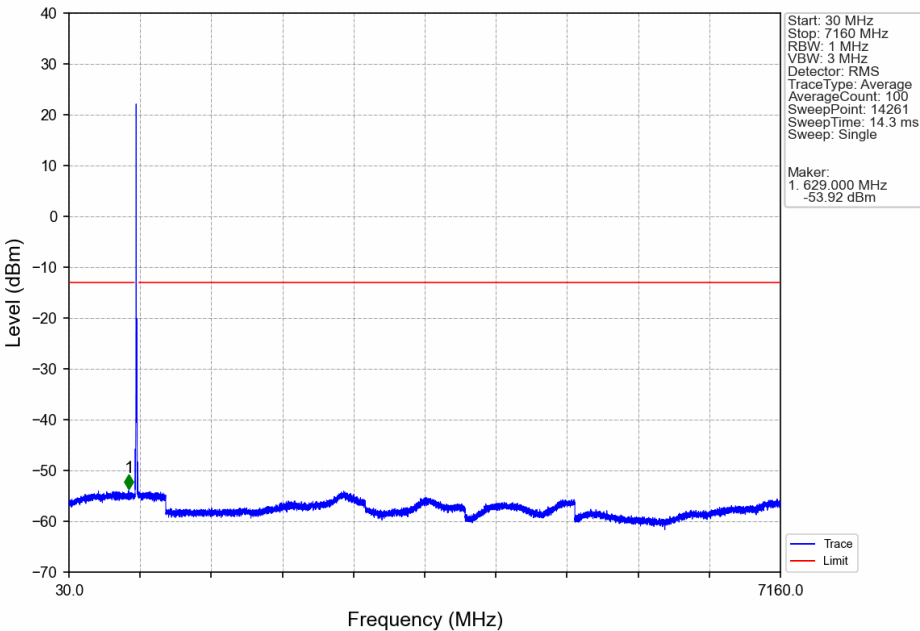


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

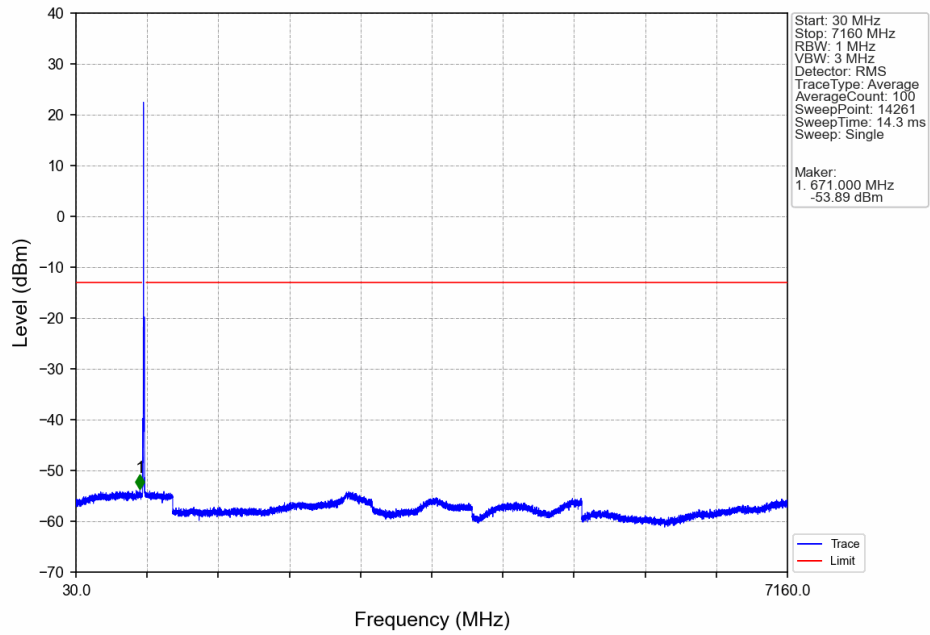


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-34.45	-13	Pass
698.9	699	0.03	/	2	698.992	-37.12	-13	Pass
699	709	0.03	/	/	/	/	/	/

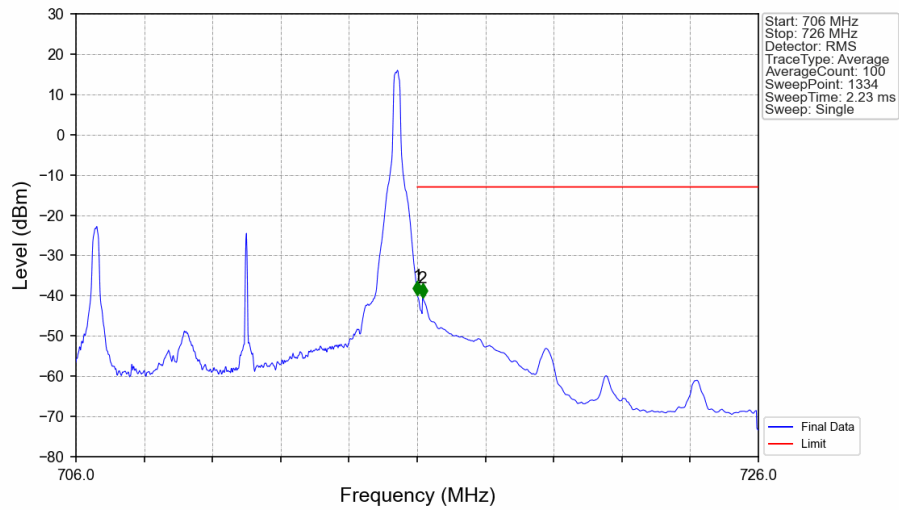
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

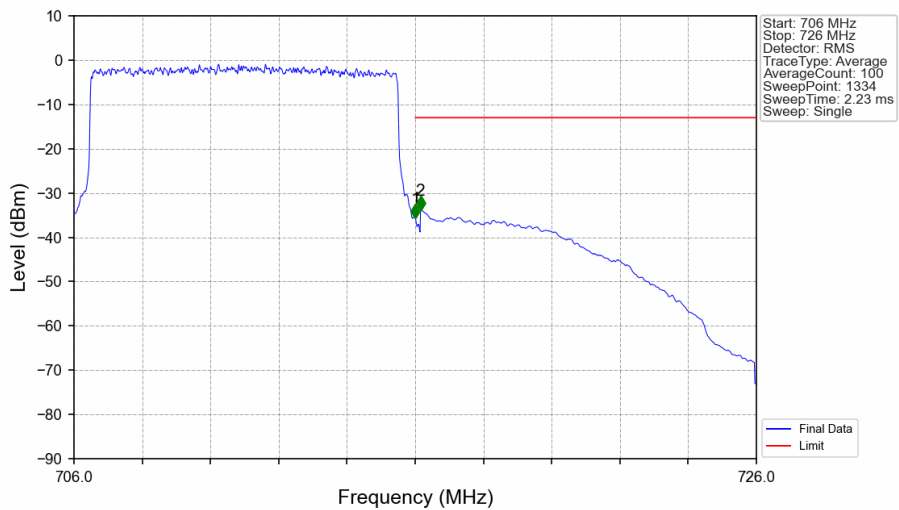


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-39.93	-13	Pass
716.1	726	0.1	CHP	2	716.158	-40.41	-13	Pass

Band12_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	716.008	-35.68	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.76	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 12_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	51.12	-50.01	24.10	-70.05	-13.00	57.05	Horizontal
2	2098.77	56.78	-49.46	26.48	-61.46	-13.00	48.46	Horizontal
3	2798.36	55.62	-48.68	27.74	-60.59	-13.00	47.59	Horizontal
4	3497.95	50.55	-48.44	28.50	-64.65	-13.00	51.65	Horizontal
5	4197.54	49.56	-48.36	29.62	-64.44	-13.00	51.44	Horizontal
6	4897.13	48.99	-48.17	30.97	-63.46	-13.00	50.46	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	48.98	-50.01	24.10	-72.19	-13.00	59.19	Vertical
2	2098.77	57.06	-49.46	26.48	-61.18	-13.00	48.18	Vertical
3	2798.36	59.23	-48.68	27.74	-56.98	-13.00	43.98	Vertical
4	3497.95	50.86	-48.44	28.50	-64.34	-13.00	51.34	Vertical
5	4197.54	49.07	-48.36	29.62	-64.93	-13.00	51.93	Vertical
6	4897.13	49.60	-48.17	30.97	-62.85	-13.00	49.85	Vertical

Test Band = LTE Band 12_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	48.67	-50.00	24.15	-72.44	-13.00	59.44	Horizontal
2	2109.27	57.40	-49.46	26.50	-60.83	-13.00	47.83	Horizontal
3	2812.36	58.36	-48.69	27.76	-57.83	-13.00	44.83	Horizontal
4	3515.45	51.66	-48.44	28.52	-63.51	-13.00	50.51	Horizontal
5	4218.54	48.86	-48.30	29.65	-65.05	-13.00	52.05	Horizontal
6	4921.63	49.68	-48.12	31.03	-62.68	-13.00	49.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.18	48.68	-50.00	24.15	-72.43	-13.00	59.43	Vertical
2	2109.27	59.73	-49.46	26.50	-58.50	-13.00	45.50	Vertical
3	2812.36	62.54	-48.69	27.76	-53.65	-13.00	40.65	Vertical
4	3515.45	50.80	-48.44	28.52	-64.37	-13.00	51.37	Vertical
5	4218.54	50.20	-48.30	29.65	-63.71	-13.00	50.71	Vertical
6	4921.63	49.22	-48.12	31.03	-63.14	-13.00	50.14	Vertical

Test Band = LTE Band 12_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413	53.24	-49.99	24.19	-67.82	-13.00	54.82	Horizontal
2	2119.77	60.12	-49.47	26.52	-58.09	-13.00	45.09	Horizontal
3	2826.36	59.69	-48.71	27.79	-56.49	-13.00	43.49	Horizontal
4	3532.95	51.30	-48.45	28.55	-63.85	-13.00	50.85	Horizontal
5	4239.54	48.61	-48.23	29.68	-65.19	-13.00	52.19	Horizontal
6	4946.13	48.90	-48.07	31.08	-63.35	-13.00	50.35	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1000	49.45	-48.73	24.90	-69.64	-13.00	56.64	Vertical
2	2119.5	61.31	-49.47	26.52	-56.90	-13.00	43.90	Vertical
3	1413.18	48.89	-49.99	24.19	-72.16	-13.00	59.16	Vertical
4	2826.36	61.95	-48.71	27.79	-54.23	-13.00	41.23	Vertical
5	3532.95	50.25	-48.45	28.55	-64.90	-13.00	51.90	Vertical
6	4239.54	49.00	-48.23	29.68	-64.80	-13.00	51.80	Vertical
7	4946.13	49.80	-48.07	31.08	-62.45	-13.00	49.45	Vertical