

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	22.39	-2.56	17.68	<=34.77	Pass		
			13	22.55	-2.56	17.84	<=34.77	Pass		
			24	22.46	-2.56	17.75	<=34.77	Pass		
		12	0	21.50	-2.56	16.79	<=34.77	Pass		
			6	21.53	-2.56	16.82	<=34.77	Pass		
			13	21.69	-2.56	16.98	<=34.77	Pass		
		25	0	21.60	-2.56	16.89	<=34.77	Pass		
		710	1	0	22.47	-2.56	17.76	<=34.77	Pass	
				13	22.56	-2.56	17.85	<=34.77	Pass	
	24			22.54	-2.56	17.83	<=34.77	Pass		
	12		0	21.42	-2.56	16.71	<=34.77	Pass		
			6	21.62	-2.56	16.91	<=34.77	Pass		
			13	21.49	-2.56	16.78	<=34.77	Pass		
	25	0	21.45	-2.56	16.74	<=34.77	Pass			
	713.5	1	0	22.50	-2.56	17.79	<=34.77	Pass		
			13	22.71	-2.56	18.00	<=34.77	Pass		
			24	22.64	-2.56	17.93	<=34.77	Pass		
		12	0	21.81	-2.56	17.10	<=34.77	Pass		
			6	21.74	-2.56	17.03	<=34.77	Pass		
			13	21.61	-2.56	16.90	<=34.77	Pass		
		25	0	21.70	-2.56	16.99	<=34.77	Pass		
		16QAM	706.5	1	0	21.54	-2.56	16.83	<=34.77	Pass
					13	21.67	-2.56	16.96	<=34.77	Pass
	24				21.60	-2.56	16.89	<=34.77	Pass	
12	0			20.48	-2.56	15.77	<=34.77	Pass		
	6			20.53	-2.56	15.82	<=34.77	Pass		
	13			20.68	-2.56	15.97	<=34.77	Pass		
25	0			20.62	-2.56	15.91	<=34.77	Pass		
710	1			0	21.72	-2.56	17.01	<=34.77	Pass	
				13	21.84	-2.56	17.13	<=34.77	Pass	
			24	21.81	-2.56	17.10	<=34.77	Pass		
	12		0	20.47	-2.56	15.76	<=34.77	Pass		
			6	20.67	-2.56	15.96	<=34.77	Pass		
			13	20.53	-2.56	15.82	<=34.77	Pass		
25	0		20.47	-2.56	15.76	<=34.77	Pass			
713.5	1		0	21.36	-2.56	16.65	<=34.77	Pass		
			13	21.56	-2.56	16.85	<=34.77	Pass		
			24	21.53	-2.56	16.82	<=34.77	Pass		
	12		0	20.77	-2.56	16.06	<=34.77	Pass		
		6	20.71	-2.56	16.00	<=34.77	Pass			
		13	20.55	-2.56	15.84	<=34.77	Pass			
	25	0	20.78	-2.56	16.07	<=34.77	Pass			
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

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	22.45	-2.56	17.74	<=34.77	Pass		
			25	22.62	-2.56	17.91	<=34.77	Pass		
			49	22.58	-2.56	17.87	<=34.77	Pass		
		25	0	21.39	-2.56	16.68	<=34.77	Pass		
			13	21.57	-2.56	16.86	<=34.77	Pass		
			25	21.44	-2.56	16.73	<=34.77	Pass		
		50	0	21.44	-2.56	16.73	<=34.77	Pass		
		710	1	0	22.48	-2.56	17.77	<=34.77	Pass	
				25	22.71	-2.56	18.00	<=34.77	Pass	
	49			22.64	-2.56	17.93	<=34.77	Pass		
	25		0	21.31	-2.56	16.60	<=34.77	Pass		
			13	21.56	-2.56	16.85	<=34.77	Pass		
			25	21.32	-2.56	16.61	<=34.77	Pass		
	50		0	21.33	-2.56	16.62	<=34.77	Pass		
	711		1	0	22.46	-2.56	17.75	<=34.77	Pass	
				25	22.69	-2.56	17.98	<=34.77	Pass	
		49		22.68	-2.56	17.97	<=34.77	Pass		
		25	0	21.41	-2.56	16.70	<=34.77	Pass		
			13	21.60	-2.56	16.89	<=34.77	Pass		
			25	21.41	-2.56	16.70	<=34.77	Pass		
		50	0	21.40	-2.56	16.69	<=34.77	Pass		
		16QAM	709	1	0	22.04	-2.56	17.33	<=34.77	Pass
					25	22.27	-2.56	17.56	<=34.77	Pass
	49				22.16	-2.56	17.45	<=34.77	Pass	
25	0			20.44	-2.56	15.73	<=34.77	Pass		
	13			20.67	-2.56	15.96	<=34.77	Pass		
	25			20.53	-2.56	15.82	<=34.77	Pass		
50	0			20.49	-2.56	15.78	<=34.77	Pass		
710	1			0	21.45	-2.56	16.74	<=34.77	Pass	
				25	21.73	-2.56	17.02	<=34.77	Pass	
			49	21.68	-2.56	16.97	<=34.77	Pass		
	25		0	20.43	-2.56	15.72	<=34.77	Pass		
			13	20.67	-2.56	15.96	<=34.77	Pass		
			25	20.39	-2.56	15.68	<=34.77	Pass		
	50		0	20.42	-2.56	15.71	<=34.77	Pass		
	711		1	0	21.66	-2.56	16.95	<=34.77	Pass	
				25	21.89	-2.56	17.18	<=34.77	Pass	
49				21.86	-2.56	17.15	<=34.77	Pass		
25			0	20.47	-2.56	15.76	<=34.77	Pass		
			13	20.63	-2.56	15.92	<=34.77	Pass		
			25	20.42	-2.56	15.71	<=34.77	Pass		
50			0	20.42	-2.56	15.71	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 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	710	50	0	20	3.40	-6.208	-0.0087	-2.5 to 2.5	Pass
					3.70	-4.034	-0.0057	-2.5 to 2.5	Pass
					4.20	-6.695	-0.0094	-2.5 to 2.5	Pass
				-30	3.70	-4.234	-0.0060	-2.5 to 2.5	Pass
				-20	3.70	-5.951	-0.0084	-2.5 to 2.5	Pass
				-10	3.70	-5.436	-0.0077	-2.5 to 2.5	Pass
				0	3.70	-2.718	-0.0038	-2.5 to 2.5	Pass
				10	3.70	-8.941	-0.0126	-2.5 to 2.5	Pass
				30	3.70	-6.881	-0.0097	-2.5 to 2.5	Pass
				40	3.70	-4.821	-0.0068	-2.5 to 2.5	Pass
				50	3.70	-5.965	-0.0084	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band17_OBW

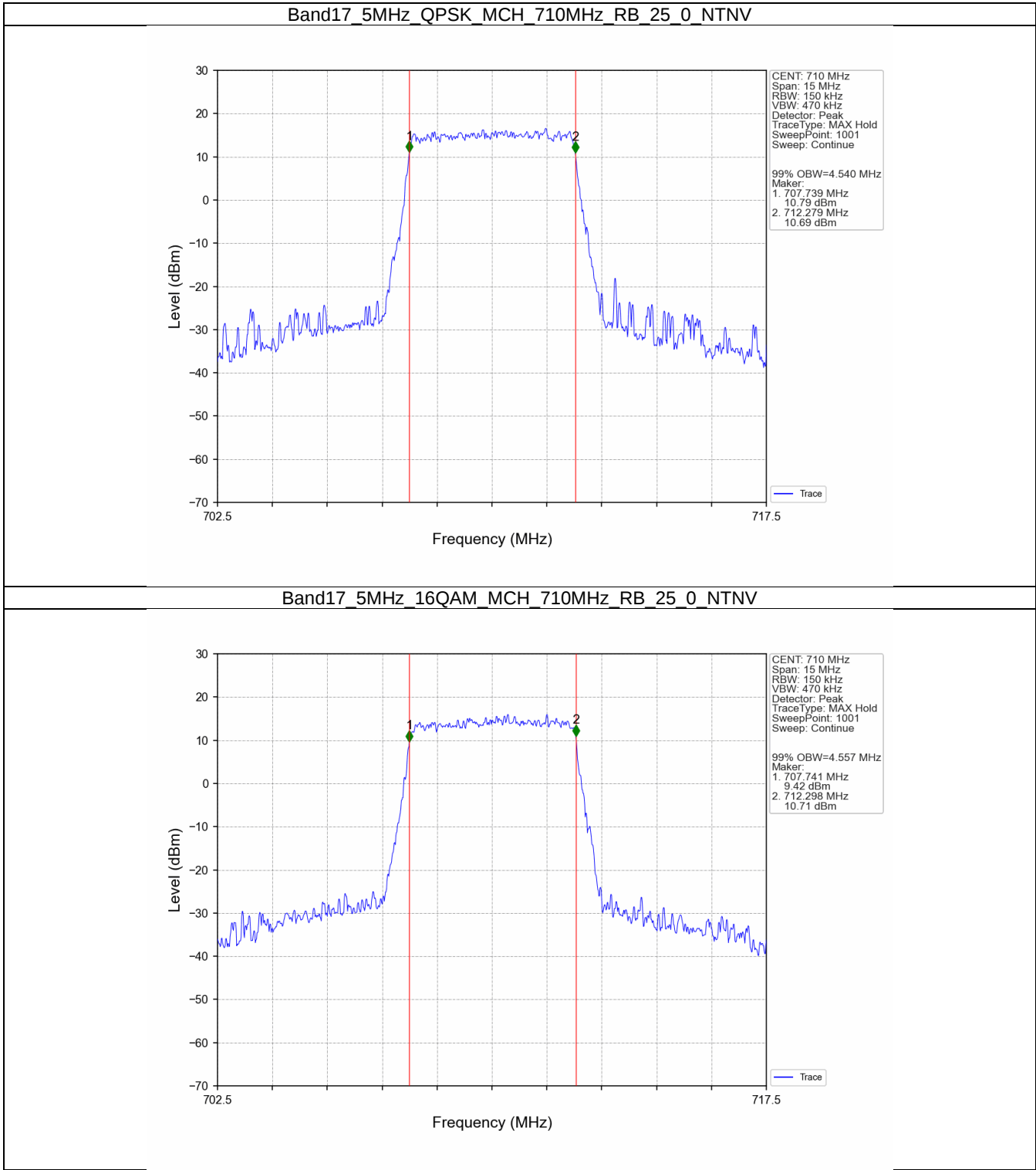
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	710	25	0	4.540	/	Pass
	16QAM	710	25	0	4.557	/	Pass
10	QPSK	710	50	0	9.010	/	Pass
	16QAM	710	50	0	9.016	/	Pass

3.1.2 Band17_XDB

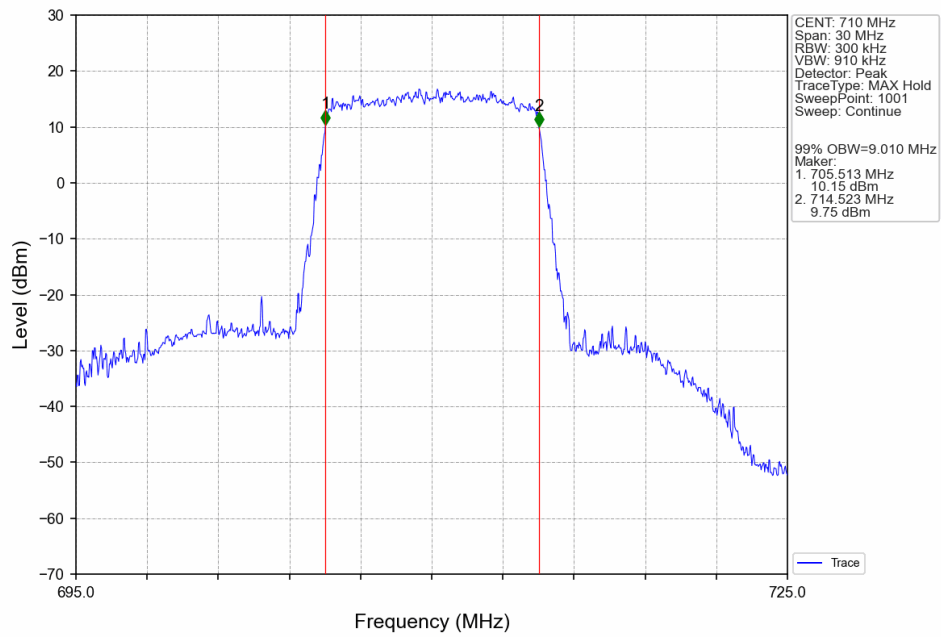
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	710	25	0	5.210	/	Pass
	16QAM	710	25	0	5.262	/	Pass
10	QPSK	710	50	0	10.157	/	Pass
	16QAM	710	50	0	10.067	/	Pass

3.2 Test Graph

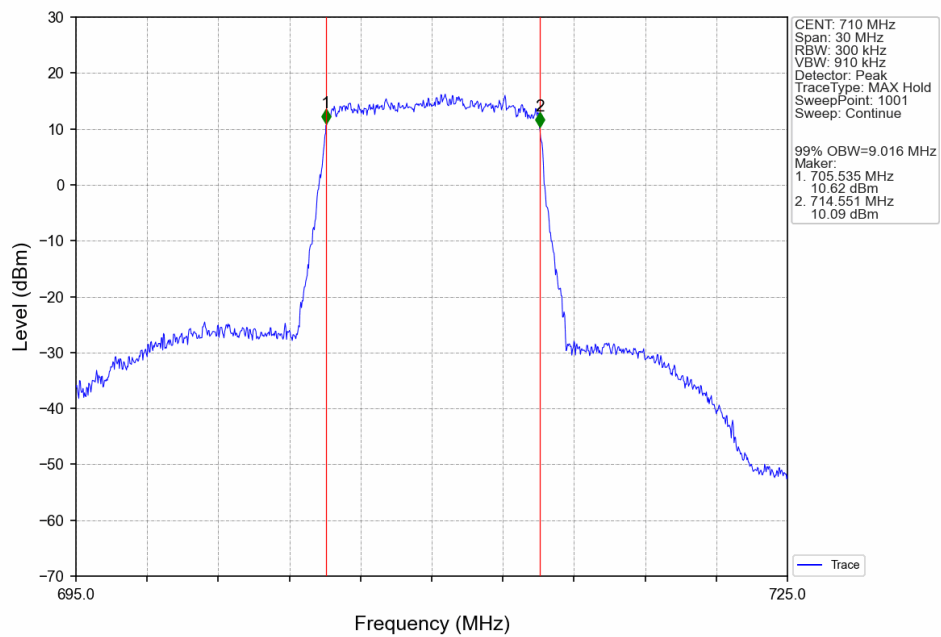
3.2.1 Band17_OBW



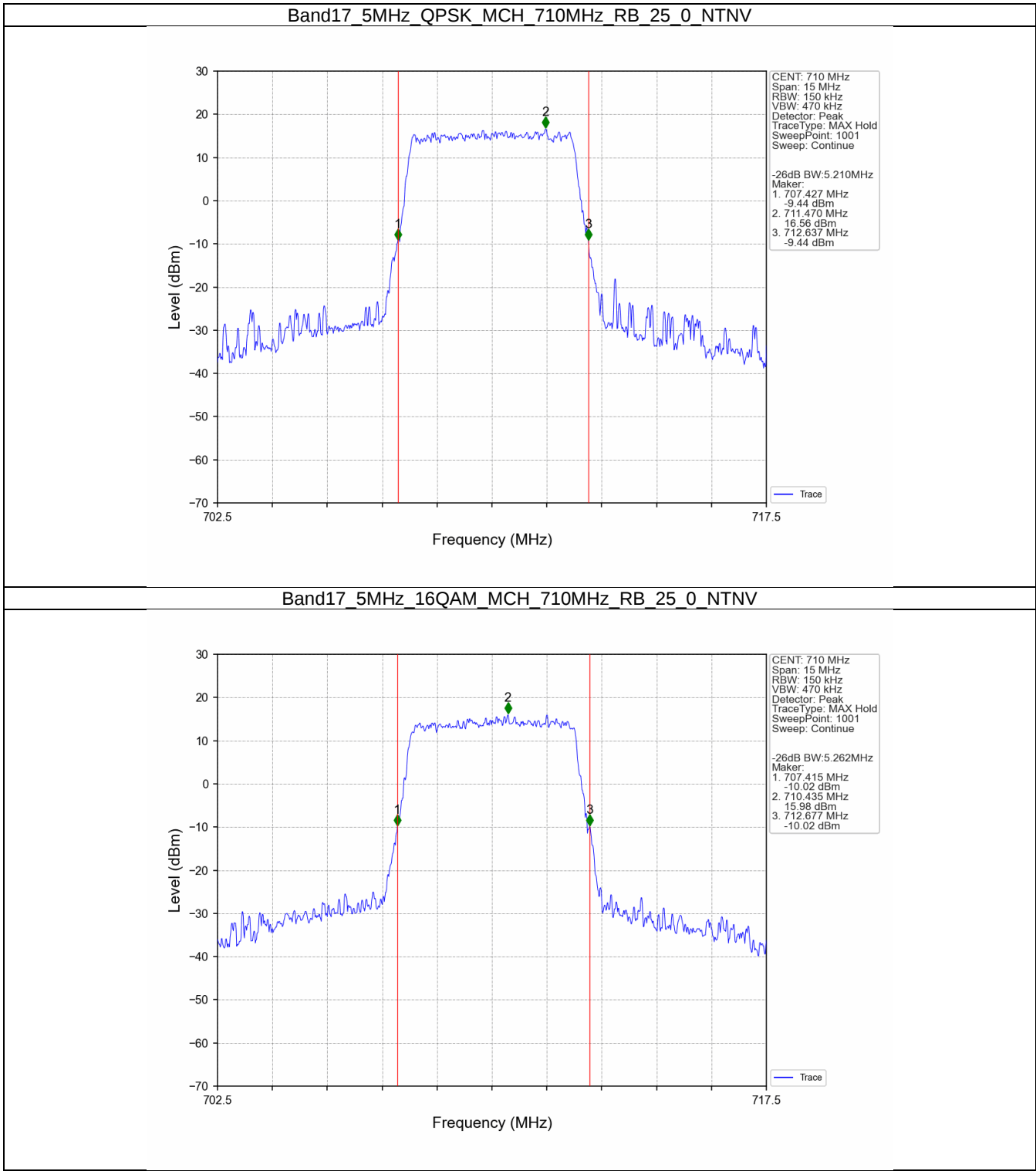
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN



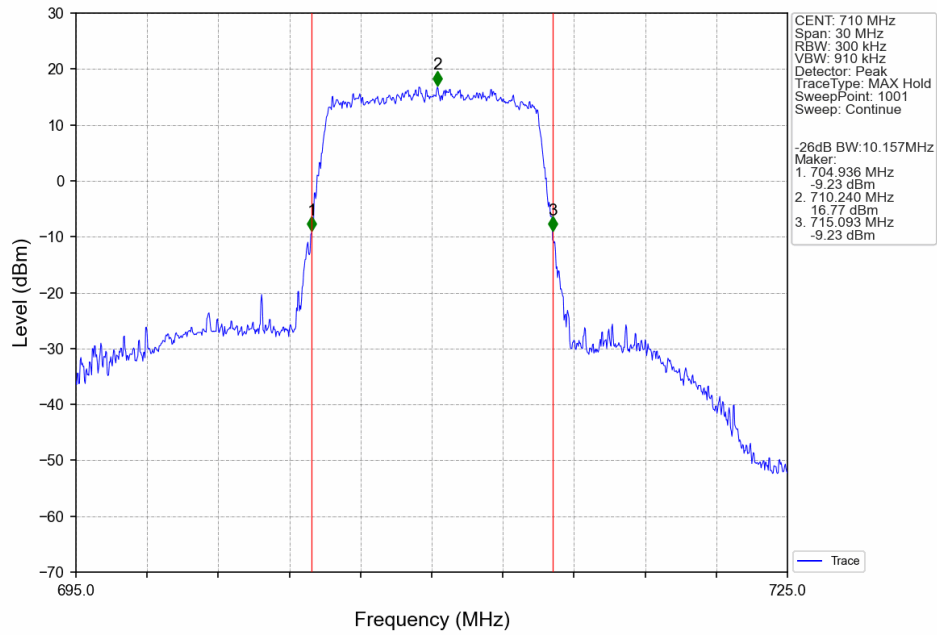
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTN



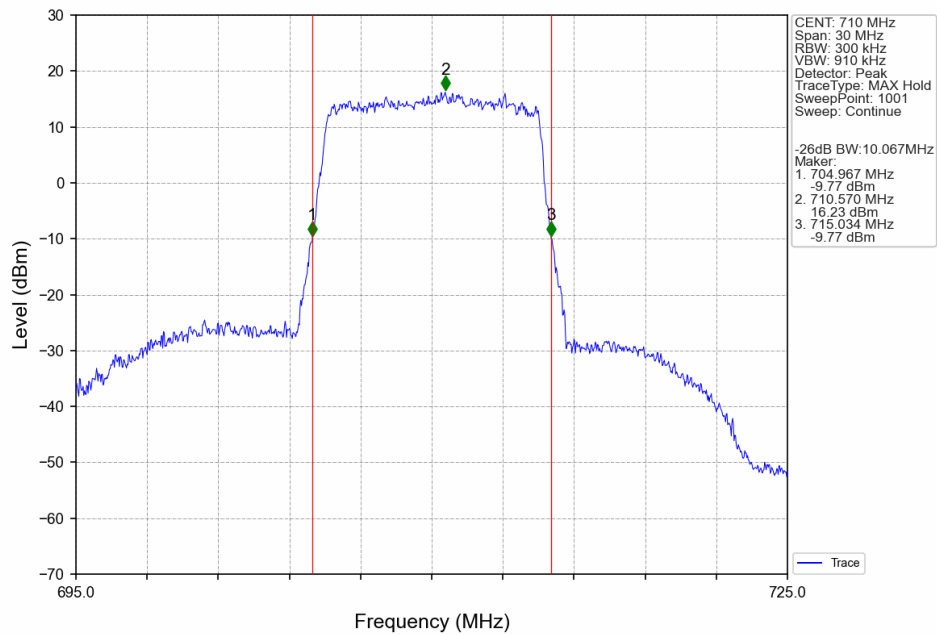
3.2.2 Band17_XDB



Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV



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



4. Peak-Average Ratio

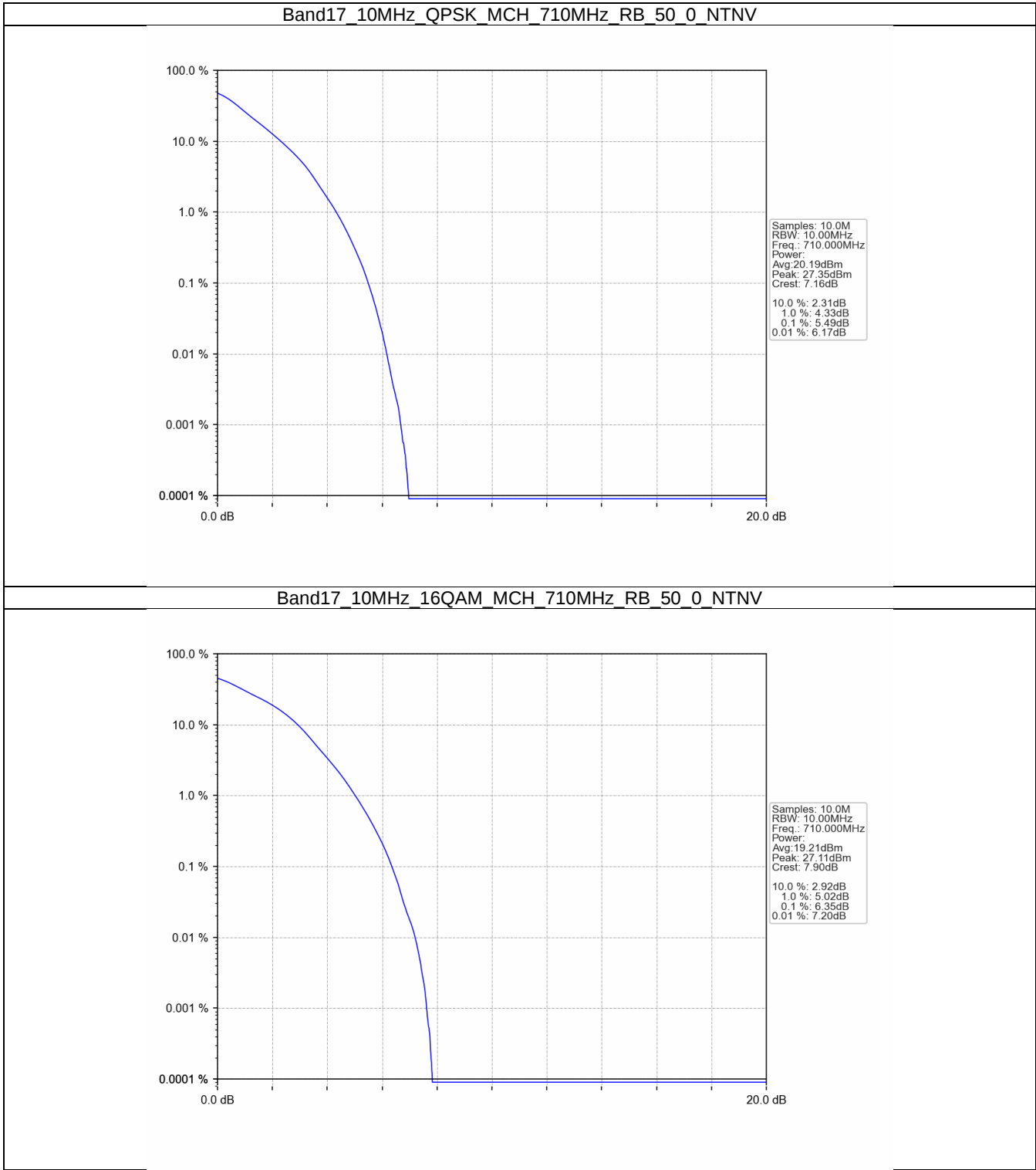
4.1 Test Result

4.1.1 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	5.49	<=13	Pass
16QAM	710	50	0	6.35	<=13	Pass

4.2 Test Graph

4.2.1 B17_10MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B17_5MHz

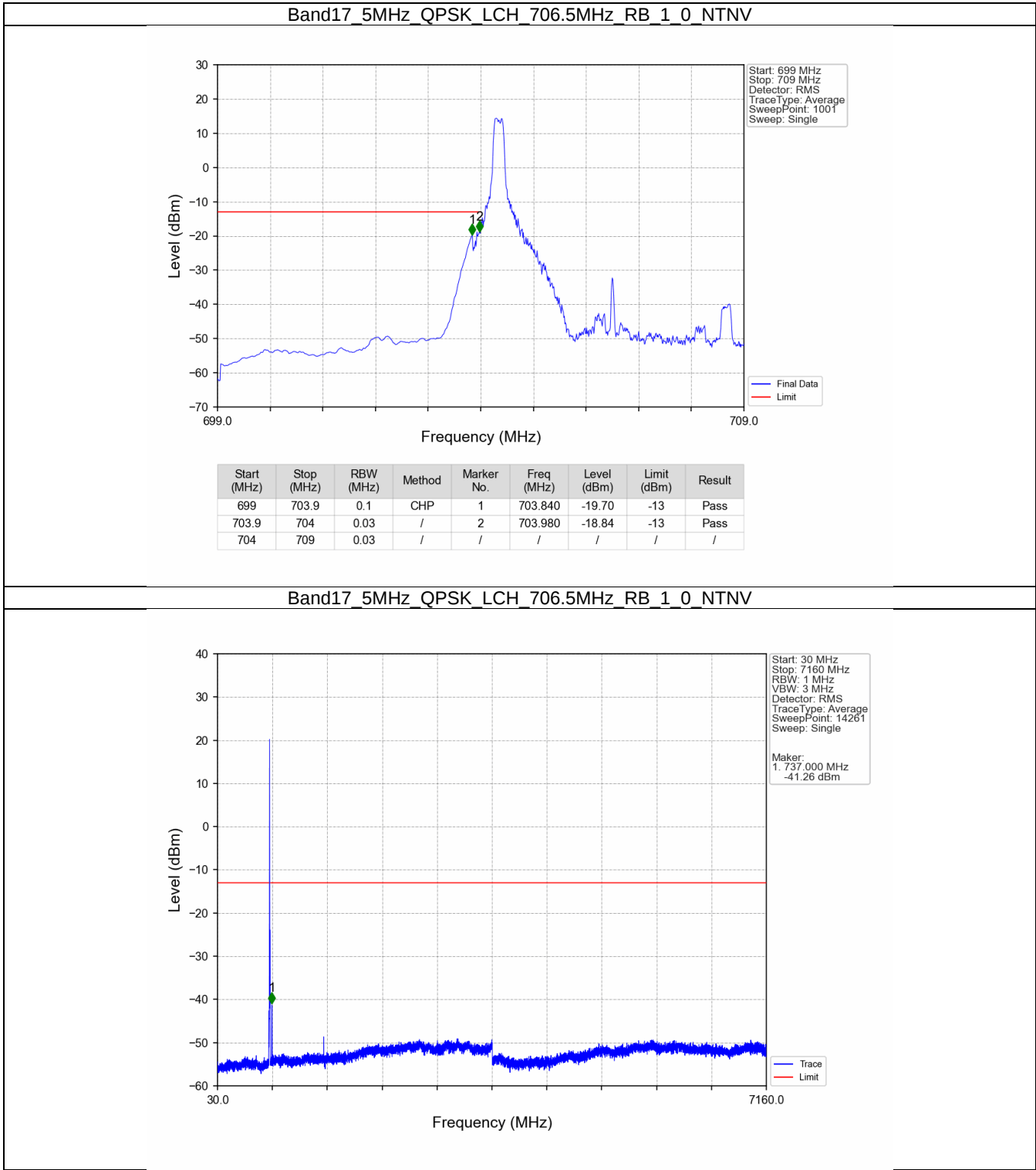
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.2 B17_10MHz

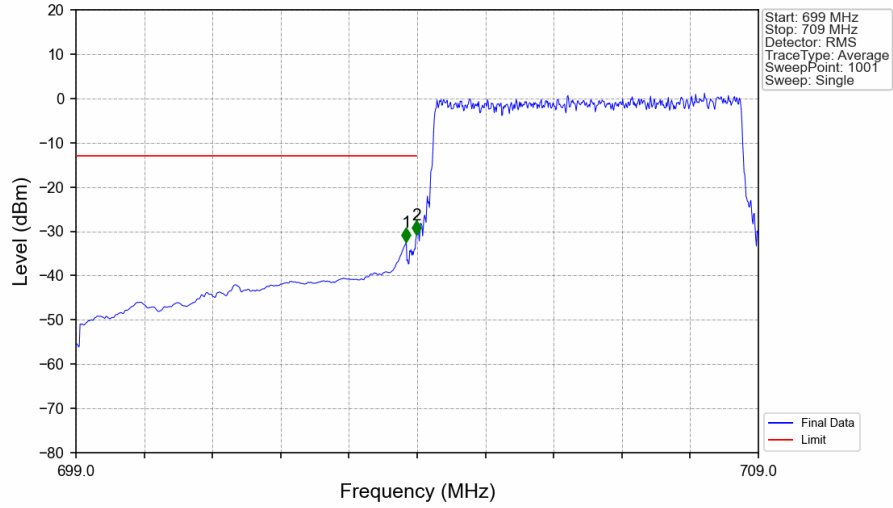
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B17_5MHz

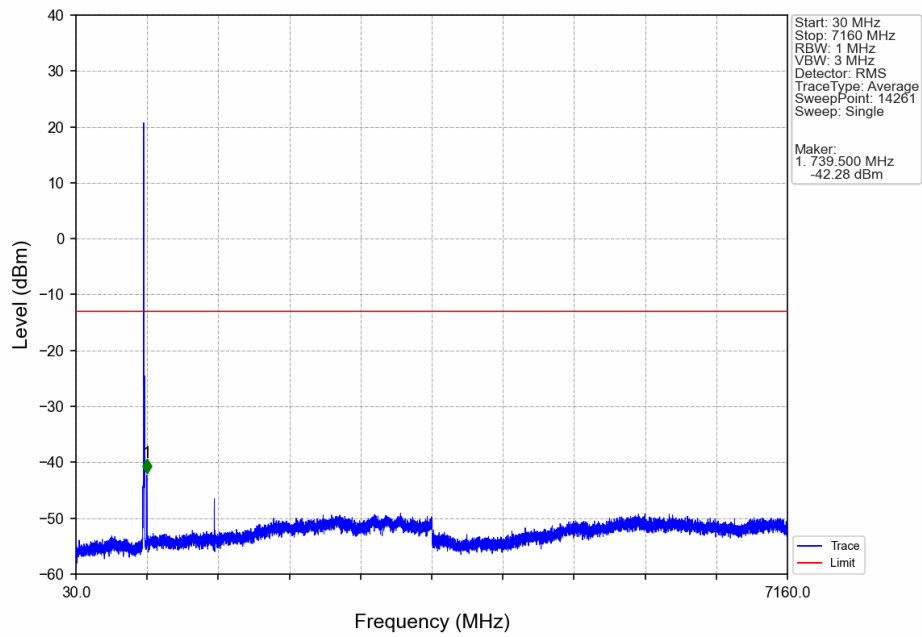


Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV

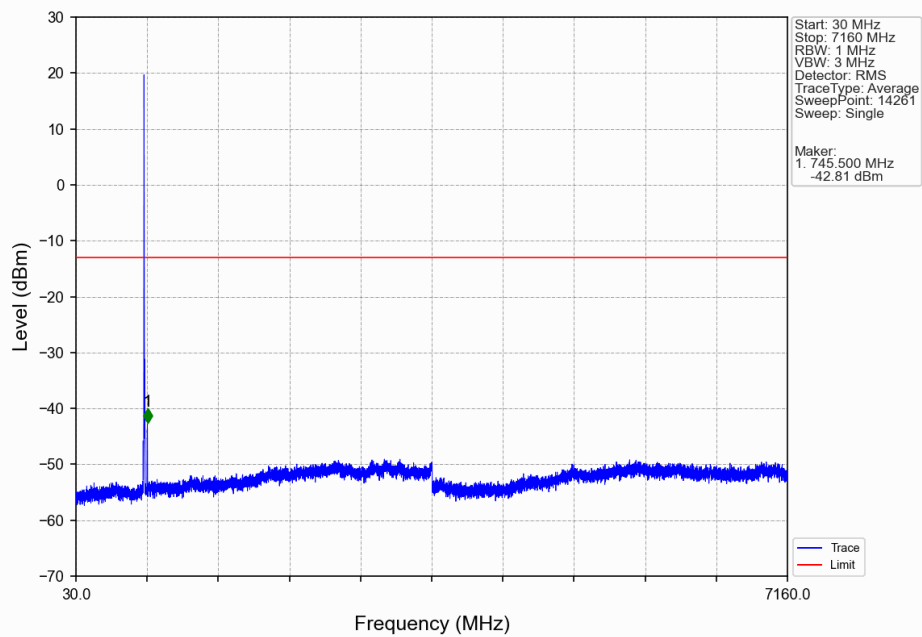


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-32.39	-13	Pass
703.9	704	0.03	/	2	703.990	-30.69	-13	Pass
704	709	0.03	/	/	/	/	/	/

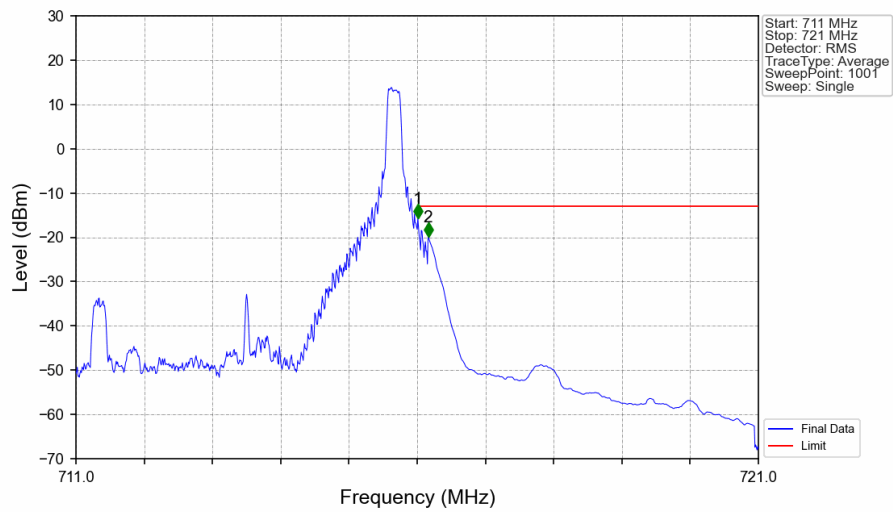
Band17 5MHz QPSK MCH 710MHz RB 1 0 NTNV



Band17 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV

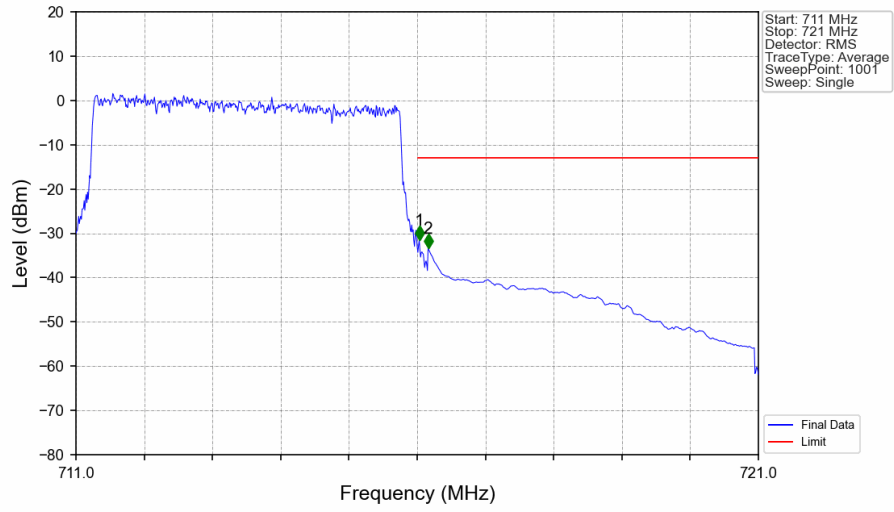


Band17 5MHz QPSK HCH 713.5MHz RB 1 24 NTNV



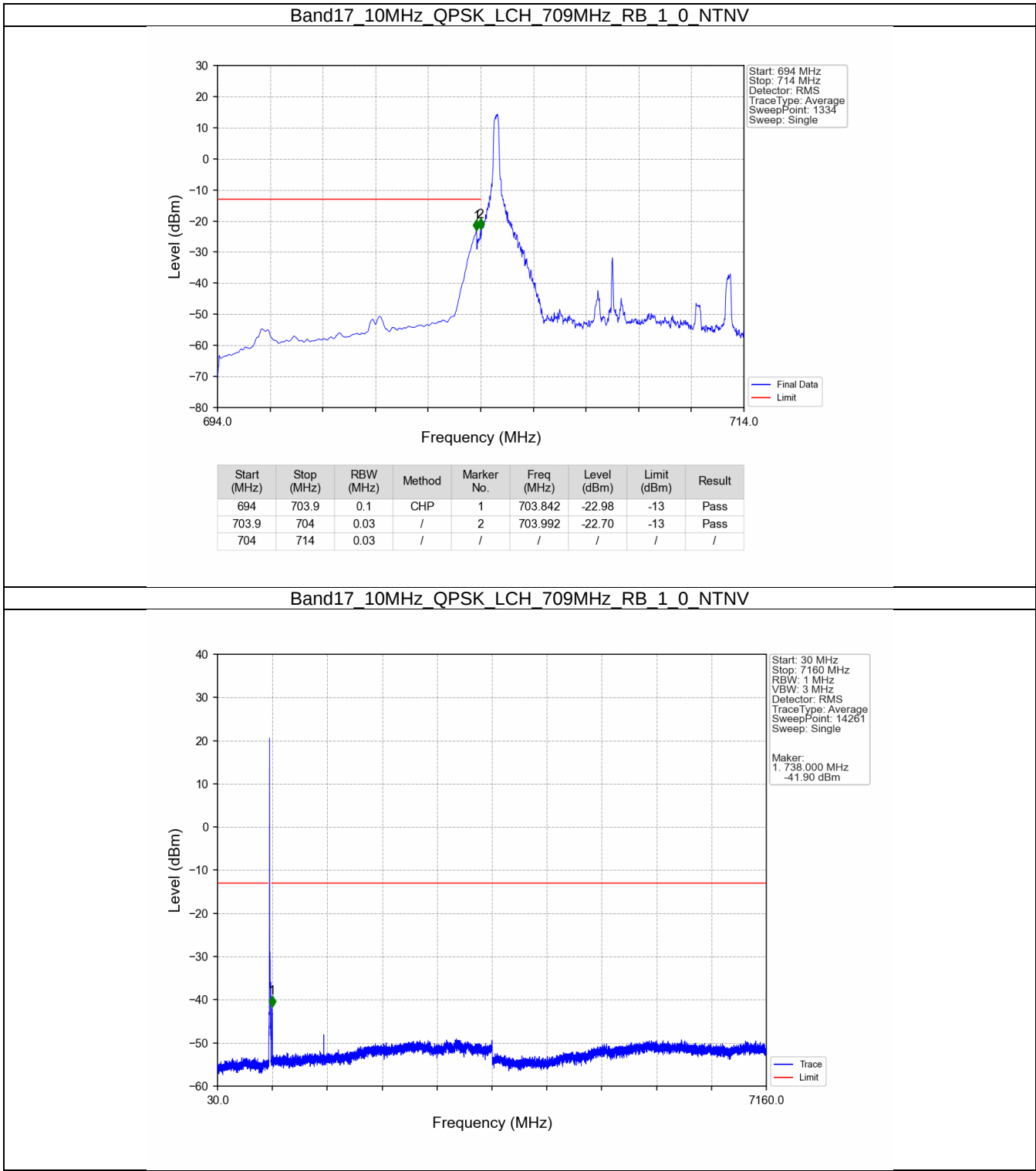
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-15.69	-13	Pass
716.1	721	0.1	CHP	2	716.160	-19.77	-13	Pass

Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTV

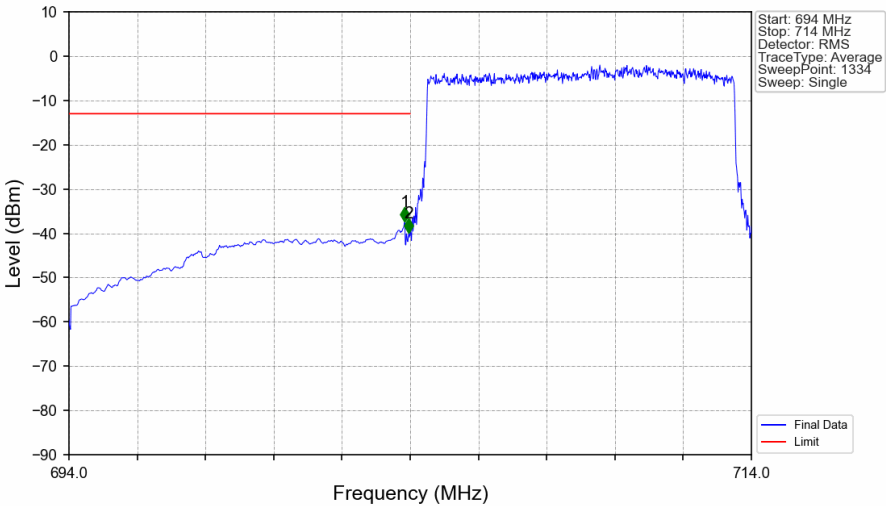


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-31.54	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.35	-13	Pass

5.2.2 B17_10MHz

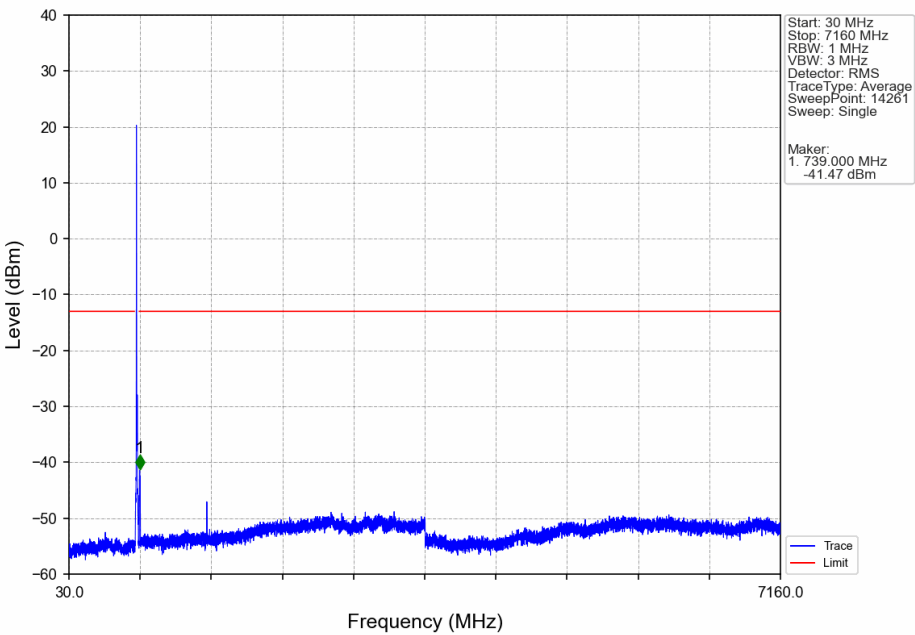


Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN

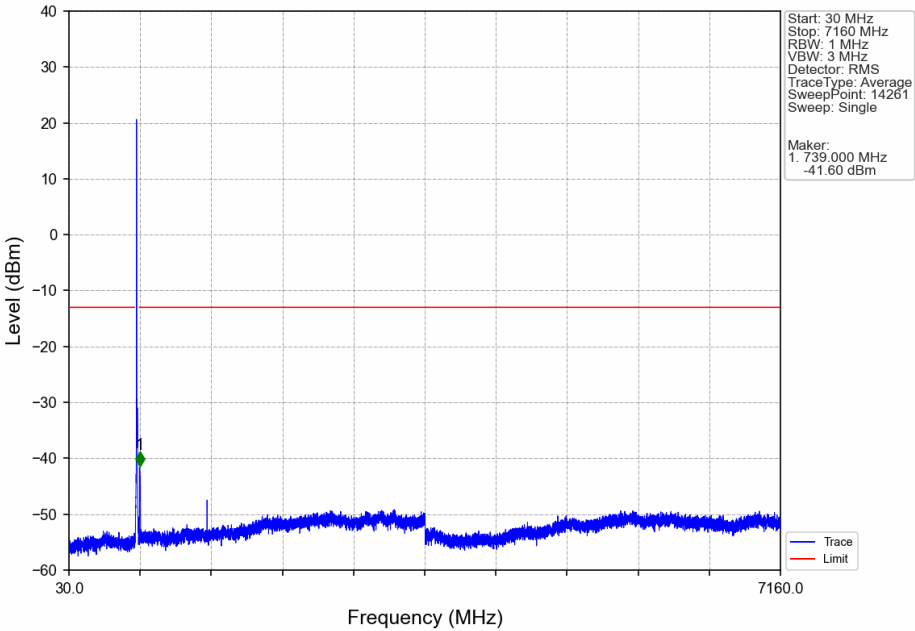


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-37.39	-13	Pass
703.9	704	0.03	/	2	703.962	-39.91	-13	Pass
704	714	0.03	/	/	/	/	/	/

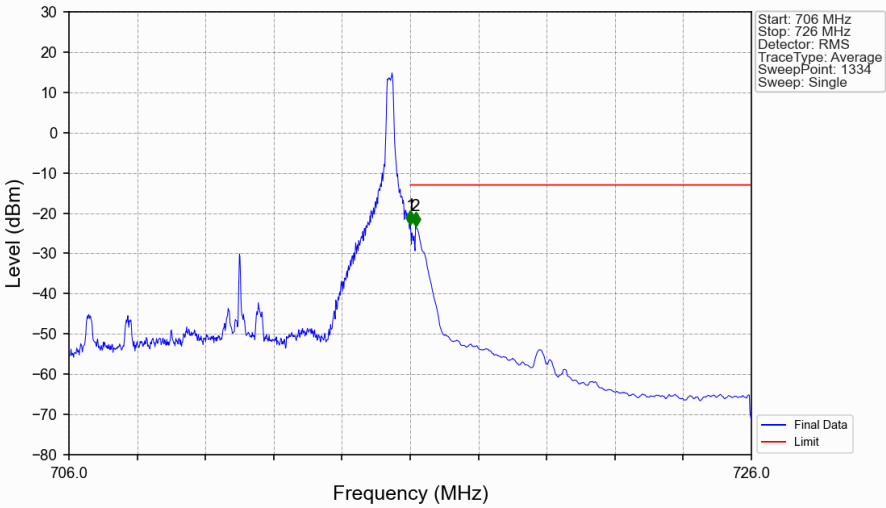
Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



Band17 10MHz QPSK HCH 711MHz RB 1 0 NTNV

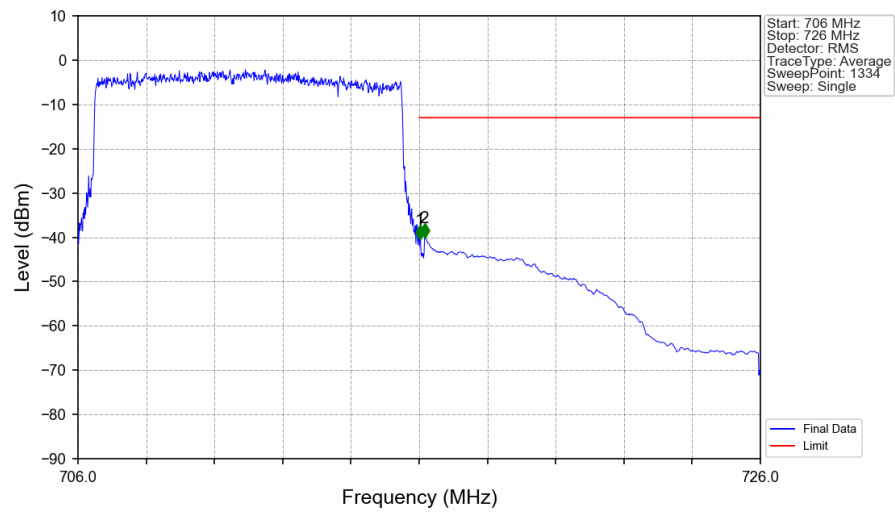


Band17 10MHz QPSK HCH 711MHz RB 1 49 NTNV



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	-22.87	-13	Pass
716.1	726	0.1	CHP	2	716.158	-23.14	-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	716.023	-40.38	-13	Pass
716.1	726	0.1	CHP	2	716.158	-39.97	-13	Pass

-The End-