



# FCC TEST REPORT (PART 27)

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Product:	Pay Tablet
Brand Name:	PAX
Model Name:	M8
HW version:	M8-XXX-XXX-XXXX
SW version:	V0.0.0.1
FCC ID:	V5PM8
Registration No:	525120
Designation No:	CN1171
Date of tests:	Sep. 19, 2021 ~ Oct. 30, 2021

The tests have been carried out according to the requirements of the following standard:

- FCC Part 27, Subpart C, M     ANSI/TIA/EIA-603-D
- FCC Part 2                     ANSI/TIA/EIA-603-E     ANSI C63.26-2015

CONCLUSION: The submitted sample was found to comply with the test requirement

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Date: Nov. 01, 2021	Date: Nov. 01, 2021

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# 1. Frequency Stability

## 1.1. WCDMA\_Band4

### 1.1.1. Test Result

Band: 4								
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
					Result	Limit		
RMC	1712.4	20	3.27	-12.33	-0.01	-2.5 to 2.5	Pass	
			3.85	-11.99	-0.01	-2.5 to 2.5	Pass	
			4.43	-11.07	-0.01	-2.5 to 2.5	Pass	
		-10	3.85	-12.63	-0.01	-2.5 to 2.5	Pass	
			0	3.85	-13.78	-0.01	-2.5 to 2.5	Pass
			10	3.85	-13.33	-0.01	-2.5 to 2.5	Pass
			30	3.85	-13.11	-0.01	-2.5 to 2.5	Pass
			40	3.85	-16.12	-0.01	-2.5 to 2.5	Pass
			50	3.85	-14.21	-0.01	-2.5 to 2.5	Pass
	1732.6		20	3.27	-9.33	-0.01	-2.5 to 2.5	Pass
		3.85		-16.11	-0.01	-2.5 to 2.5	Pass	
		4.43		-9.08	-0.01	-2.5 to 2.5	Pass	
		-10	3.85	-10.13	-0.01	-2.5 to 2.5	Pass	
			0	3.85	-10.93	-0.01	-2.5 to 2.5	Pass
			10	3.85	-7.05	-0.00	-2.5 to 2.5	Pass
	1752.6	20	3.85	-8.23	-0.00	-2.5 to 2.5	Pass	
			40	3.85	-11.12	-0.01	-2.5 to 2.5	Pass
			50	3.85	-11.37	-0.01	-2.5 to 2.5	Pass
		-10	3.27	-8.94	-0.01	-2.5 to 2.5	Pass	
			3.85	-5.99	-0.00	-2.5 to 2.5	Pass	
			4.43	-10.00	-0.01	-2.5 to 2.5	Pass	
			0	3.85	-6.59	-0.00	-2.5 to 2.5	Pass
			3.85	-8.93	-0.01	-2.5 to 2.5	Pass	
	10	3.85	-5.03	-0.00	-2.5 to 2.5	Pass		
30	3.85	-4.77	-0.00	-2.5 to 2.5	Pass			
40	3.85	-9.01	-0.01	-2.5 to 2.5	Pass			
50	3.85	-11.51	-0.01	-2.5 to 2.5	Pass			



## 1.2. LTE\_B4\_1.4MHz

### 1.2.1. Test Result

Band: 4 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1710.7	6	0	20	3.27	-0.53	-0.00	-2.5 to 2.5	Pass	
					3.85	-2.88	-0.00	-2.5 to 2.5	Pass	
					4.43	-4.48	-0.00	-2.5 to 2.5	Pass	
				-10	3.85	-4.63	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-5.79	-0.00	-2.5 to 2.5	Pass
					10	3.85	-7.60	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.78	-0.00	-2.5 to 2.5	Pass	
					40	3.85	-5.18	-0.00	-2.5 to 2.5	Pass
	50	3.85	-2.47		-0.00	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	-6.59	-0.00	-2.5 to 2.5	Pass	
					3.85	-3.42	-0.00	-2.5 to 2.5	Pass	
					4.43	-8.83	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-6.51	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-1.80	-0.00	-2.5 to 2.5	Pass
					10	3.85	0.57	0.00	-2.5 to 2.5	Pass
				30	3.85	-5.48	-0.00	-2.5 to 2.5	Pass	
					40	3.85	-4.95	-0.00	-2.5 to 2.5	Pass
	50	3.85	-6.09		-0.00	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-10.01	-0.01	-2.5 to 2.5	Pass	
					3.85	-13.30	-0.01	-2.5 to 2.5	Pass	
					4.43	-5.81	-0.00	-2.5 to 2.5	Pass	
				-10	3.85	-5.81	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-2.99	-0.00	-2.5 to 2.5	Pass
					10	3.85	-10.80	-0.01	-2.5 to 2.5	Pass
30				3.85	-5.54	-0.00	-2.5 to 2.5	Pass		
				40	3.85	-4.91	-0.00	-2.5 to 2.5	Pass	
	50	3.85	-4.45	-0.00	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-10.36	-0.01	-2.5 to 2.5	Pass	
					3.85	-3.32	-0.00	-2.5 to 2.5	Pass	
					4.43	2.42	0.00	-2.5 to 2.5	Pass	
				-10	3.85	-3.05	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-6.95	-0.00	-2.5 to 2.5	Pass
					10	3.85	-5.11	-0.00	-2.5 to 2.5	Pass
				30	3.85	-8.43	-0.00	-2.5 to 2.5	Pass	
					40	3.85	0.10	0.00	-2.5 to 2.5	Pass
	50	3.85	-2.88		-0.00	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	-5.42	-0.00	-2.5 to 2.5	Pass	
					3.85	-11.40	-0.01	-2.5 to 2.5	Pass	
					4.43	-11.97	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-6.19	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-5.39	-0.00	-2.5 to 2.5	Pass
					10	3.85	-6.18	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.66	-0.00	-2.5 to 2.5	Pass	
40					3.85	-3.96	-0.00	-2.5 to 2.5	Pass	



	1754.3	6	0	50	3.85	-10.49	-0.01	-2.5 to 2.5	Pass
				20	3.27	-6.28	-0.00	-2.5 to 2.5	Pass
					3.85	-7.05	-0.00	-2.5 to 2.5	Pass
					4.43	-8.87	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.68	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.64	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.34	-0.00	-2.5 to 2.5	Pass
				30	3.85	-6.28	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.51	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.82	-0.00	-2.5 to 2.5	Pass

### 1.3. LTE\_B4\_3MHz

#### 1.3.1. Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-4.66	-0.00	-2.5 to 2.5	Pass
					3.85	-8.63	-0.01	-2.5 to 2.5	Pass
					4.43	-2.56	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.62	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
				10	3.85	-10.34	-0.01	-2.5 to 2.5	Pass
				30	3.85	-3.19	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.81	-0.00	-2.5 to 2.5	Pass
	50	3.85	-7.97	-0.00	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	-4.98	-0.00	-2.5 to 2.5	Pass
					3.85	-4.11	-0.00	-2.5 to 2.5	Pass
					4.43	-11.13	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.86	-0.00	-2.5 to 2.5	Pass
				0	3.85	-9.57	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.37	-0.00	-2.5 to 2.5	Pass
				30	3.85	-10.99	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.47	-0.00	-2.5 to 2.5	Pass
	50	3.85	-4.21	-0.00	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	-4.29	-0.00	-2.5 to 2.5	Pass
					3.85	-5.88	-0.00	-2.5 to 2.5	Pass
					4.43	-4.63	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.55	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.72	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.12	-0.00	-2.5 to 2.5	Pass
30				3.85	-10.29	-0.01	-2.5 to 2.5	Pass	
40				3.85	-3.35	-0.00	-2.5 to 2.5	Pass	
50	3.85	-7.68	-0.00	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.27	-4.19	-0.00	-2.5 to 2.5	Pass
					3.85	-9.54	-0.01	-2.5 to 2.5	Pass
					4.43	-3.78	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-8.07	-0.00	-2.5 to 2.5	Pass
				0	3.85	-11.22	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.30	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.06	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.80	-0.00	-2.5 to 2.5	Pass
50	3.85	-6.38	-0.00	-2.5 to 2.5	Pass				

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	1732.5	15	0	20	3.27	-0.49	-0.00	-2.5 to 2.5	Pass
					3.85	-3.38	-0.00	-2.5 to 2.5	Pass
					4.43	-11.64	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.52	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.31	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.95	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.02	-0.00	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.85	-3.79	-0.00	-2.5 to 2.5	Pass
					4.43	-0.80	-0.00	-2.5 to 2.5	Pass
					3.85	-6.94	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-8.15	-0.00	-2.5 to 2.5	Pass
				0	3.85	-9.38	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.36	-0.01	-2.5 to 2.5	Pass
				30	3.85	-9.41	-0.01	-2.5 to 2.5	Pass
				20	3.85	-4.99	-0.00	-2.5 to 2.5	Pass
					3.85	-3.35	-0.00	-2.5 to 2.5	Pass
					3.85	-3.35	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-6.19	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.02	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.02	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.02	-0.00	-2.5 to 2.5	Pass

### 1.4. LTE\_B4\_5MHz

#### 1.4.1. Test Result

Band: 4 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1712.5	25	0	20	3.27	-7.85	-0.00	-2.5 to 2.5	Pass	
					3.85	-7.30	-0.00	-2.5 to 2.5	Pass	
					4.43	-7.97	-0.00	-2.5 to 2.5	Pass	
				-10	3.85	-7.30	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-6.39	-0.00	-2.5 to 2.5	Pass	
				10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass	
				30	3.85	-4.09	-0.00	-2.5 to 2.5	Pass	
	1732.5	25	0	20	3.85	-4.72	-0.00	-2.5 to 2.5	Pass	
					4.43	-4.28	-0.00	-2.5 to 2.5	Pass	
					3.27	-1.47	-0.00	-2.5 to 2.5	Pass	
				-10	3.85	-3.05	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-7.67	-0.00	-2.5 to 2.5	Pass	
				10	3.85	0.17	0.00	-2.5 to 2.5	Pass	
				30	3.85	-4.53	-0.00	-2.5 to 2.5	Pass	
	1752.5	25	0	20	3.85	-9.38	-0.01	-2.5 to 2.5	Pass	
					4.43	-5.55	-0.00	-2.5 to 2.5	Pass	
					3.27	-6.64	-0.00	-2.5 to 2.5	Pass	
				-10	3.85	-6.17	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-7.93	-0.00	-2.5 to 2.5	Pass	
				10	3.85	-5.68	-0.00	-2.5 to 2.5	Pass	
				30	3.85	-10.20	-0.01	-2.5 to 2.5	Pass	
	16QAM	1712.5	25	0	20	3.85	-8.91	-0.01	-2.5 to 2.5	Pass
					20	3.27	-4.71	-0.00	-2.5 to 2.5	Pass

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					3.85	-5.18	-0.00	-2.5 to 2.5	Pass	
					4.43	-8.37	-0.00	-2.5 to 2.5	Pass	
				-10	3.85	-0.60	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-6.11	-0.00	-2.5 to 2.5	Pass	
				10	3.85	-0.74	-0.00	-2.5 to 2.5	Pass	
				30	3.85	-2.92	-0.00	-2.5 to 2.5	Pass	
				40	3.85	-5.91	-0.00	-2.5 to 2.5	Pass	
				50	3.85	-8.51	-0.01	-2.5 to 2.5	Pass	
				1732.5	25	0			3.27	-0.54
		3.85	-2.30					-0.00	-2.5 to 2.5	Pass
		4.43	-5.68					-0.00	-2.5 to 2.5	Pass
	-10	3.85	-0.23					-0.00	-2.5 to 2.5	Pass
	0	3.85	-3.73					-0.00	-2.5 to 2.5	Pass
	10	3.85	-3.25					-0.00	-2.5 to 2.5	Pass
	30	3.85	-0.09					-0.00	-2.5 to 2.5	Pass
	40	3.85	0.82					0.00	-2.5 to 2.5	Pass
	50	3.85	-6.85					-0.00	-2.5 to 2.5	Pass
	1752.5	25	0			3.27	-7.18	-0.00	-2.5 to 2.5	Pass
						3.85	-0.76	-0.00	-2.5 to 2.5	Pass
						4.43	-5.36	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-0.63	-0.00	-2.5 to 2.5	Pass
0					3.85	-1.54	-0.00	-2.5 to 2.5	Pass	
10					3.85	-6.74	-0.00	-2.5 to 2.5	Pass	
30					3.85	-7.17	-0.00	-2.5 to 2.5	Pass	
40					3.85	-5.55	-0.00	-2.5 to 2.5	Pass	
50					3.85	-6.14	-0.00	-2.5 to 2.5	Pass	

## 1.5. LTE\_B4\_10MHz

### 1.5.1. Test Result

Band: 4 / Bandwidth: 10MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	1715	50	0	20		3.27	-8.00	-0.00	-2.5 to 2.5	Pass	
						3.85	-4.66	-0.00	-2.5 to 2.5	Pass	
						4.43	-5.98	-0.00	-2.5 to 2.5	Pass	
					-10	3.85	-9.70	-0.01	-2.5 to 2.5	Pass	
					0	3.85	-4.85	-0.00	-2.5 to 2.5	Pass	
					10	3.85	-12.15	-0.01	-2.5 to 2.5	Pass	
					30	3.85	-9.40	-0.01	-2.5 to 2.5	Pass	
					40	3.85	-4.78	-0.00	-2.5 to 2.5	Pass	
					50	3.85	-7.07	-0.00	-2.5 to 2.5	Pass	
	1732.5	50	0			3.27	-4.85	-0.00	-2.5 to 2.5	Pass	
						3.85	-4.61	-0.00	-2.5 to 2.5	Pass	
						4.43	-5.58	-0.00	-2.5 to 2.5	Pass	
					-10	3.85	-1.99	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-4.71	-0.00	-2.5 to 2.5	Pass	
					10	3.85	-5.58	-0.00	-2.5 to 2.5	Pass	
					30	3.85	-3.86	-0.00	-2.5 to 2.5	Pass	
					40	3.85	-4.88	-0.00	-2.5 to 2.5	Pass	
					50	3.85	-8.43	-0.00	-2.5 to 2.5	Pass	
	1750	50	0		20		3.27	-5.61	-0.00	-2.5 to 2.5	Pass
							3.85	-7.12	-0.00	-2.5 to 2.5	Pass

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					4.43	-6.39	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.30	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-12.75	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.34	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-5.58	-0.00	-2.5 to 2.5	Pass
					3.85	-2.35	-0.00	-2.5 to 2.5	Pass
					4.43	-7.60	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.67	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.82	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.38	-0.00	-2.5 to 2.5	Pass
				30	3.85	-6.25	-0.00	-2.5 to 2.5	Pass
				40	3.85	-6.35	-0.00	-2.5 to 2.5	Pass
				50	3.85	-9.50	-0.01	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.39	-0.00	-2.5 to 2.5	Pass
					3.85	-3.66	-0.00	-2.5 to 2.5	Pass
					4.43	-5.66	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.83	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.48	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.10	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.66	-0.00	-2.5 to 2.5	Pass
				40	3.85	-9.18	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.11	-0.00	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-6.87	-0.00	-2.5 to 2.5	Pass
					3.85	-9.37	-0.01	-2.5 to 2.5	Pass
					4.43	-8.07	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.39	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.30	-0.00	-2.5 to 2.5	Pass
				10	3.85	-9.00	-0.01	-2.5 to 2.5	Pass
30				3.85	-6.91	-0.00	-2.5 to 2.5	Pass	
40				3.85	-6.48	-0.00	-2.5 to 2.5	Pass	
50				3.85	-2.19	-0.00	-2.5 to 2.5	Pass	

## 1.6. LTE\_B4\_15MHz

### 1.6.1. Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-2.06	-0.00	-2.5 to 2.5	Pass
					3.85	-6.05	-0.00	-2.5 to 2.5	Pass
					4.43	-1.83	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.08	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.82	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.65	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.46	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.34	-0.00	-2.5 to 2.5	Pass
				50	3.85	-8.20	-0.00	-2.5 to 2.5	Pass
					1732.5	75	0	20	3.27

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					3.85	-4.25	-0.00	-2.5 to 2.5	Pass		
					4.43	-1.47	-0.00	-2.5 to 2.5	Pass		
				-10	3.85	0.59	0.00	-2.5 to 2.5	Pass		
				0	3.85	-4.48	-0.00	-2.5 to 2.5	Pass		
				10	3.85	-2.83	-0.00	-2.5 to 2.5	Pass		
				30	3.85	-4.49	-0.00	-2.5 to 2.5	Pass		
				40	3.85	-5.69	-0.00	-2.5 to 2.5	Pass		
	1747.5	75	0			3.27	-6.71	-0.00	-2.5 to 2.5	Pass	
					20	3.85	-5.74	-0.00	-2.5 to 2.5	Pass	
						4.43	-5.32	-0.00	-2.5 to 2.5	Pass	
					-10	3.85	-7.97	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-5.12	-0.00	-2.5 to 2.5	Pass	
					10	3.85	-9.04	-0.01	-2.5 to 2.5	Pass	
					30	3.85	-7.82	-0.00	-2.5 to 2.5	Pass	
16QAM	1717.5	75	0			3.27	-3.53	-0.00	-2.5 to 2.5	Pass	
					20	3.85	-9.97	-0.01	-2.5 to 2.5	Pass	
						4.43	1.24	0.00	-2.5 to 2.5	Pass	
					-10	3.85	-4.49	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-9.03	-0.01	-2.5 to 2.5	Pass	
					10	3.85	0.43	0.00	-2.5 to 2.5	Pass	
					30	3.85	-7.37	-0.00	-2.5 to 2.5	Pass	
	1732.5	75	0				3.85	-4.72	-0.00	-2.5 to 2.5	Pass
						40	3.85	-4.72	-0.00	-2.5 to 2.5	Pass
						50	3.85	-3.58	-0.00	-2.5 to 2.5	Pass
						20	3.27	-6.11	-0.00	-2.5 to 2.5	Pass
							3.85	-5.49	-0.00	-2.5 to 2.5	Pass
							4.43	-8.34	-0.00	-2.5 to 2.5	Pass
						-10	3.85	-4.96	-0.00	-2.5 to 2.5	Pass
1747.5	75	0				3.85	-3.39	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-3.39	-0.00	-2.5 to 2.5	Pass	
					10	3.85	-5.48	-0.00	-2.5 to 2.5	Pass	
					30	3.85	-5.14	-0.00	-2.5 to 2.5	Pass	
					40	3.85	-4.23	-0.00	-2.5 to 2.5	Pass	
					50	3.85	-4.51	-0.00	-2.5 to 2.5	Pass	
						3.27	-2.13	-0.00	-2.5 to 2.5	Pass	
						3.85	-5.44	-0.00	-2.5 to 2.5	Pass	
					20	3.85	-5.44	-0.00	-2.5 to 2.5	Pass	
						4.43	-9.23	-0.01	-2.5 to 2.5	Pass	
					-10	3.85	-6.39	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-4.86	-0.00	-2.5 to 2.5	Pass	
					10	3.85	-6.52	-0.00	-2.5 to 2.5	Pass	
					30	3.85	-8.53	-0.00	-2.5 to 2.5	Pass	
						3.85	-8.18	-0.00	-2.5 to 2.5	Pass	
					50	3.85	-7.98	-0.00	-2.5 to 2.5	Pass	

## 1.7. LTE\_B4\_20MHz

### 1.7.1. Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

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QPSK	1720	100	0	20	3.27	-7.24	-0.00	-2.5 to 2.5	Pass	
					3.85	-3.12	-0.00	-2.5 to 2.5	Pass	
					4.43	-8.65	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-6.39	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-7.45	-0.00	-2.5 to 2.5	Pass
					10	3.85	-7.42	-0.00	-2.5 to 2.5	Pass
				30	3.85	-8.65	-0.01	-2.5 to 2.5	Pass	
	40	3.85	-3.98		-0.00	-2.5 to 2.5	Pass			
	50	3.85	-8.35		-0.00	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-5.15	-0.00	-2.5 to 2.5	Pass	
					3.85	-4.35	-0.00	-2.5 to 2.5	Pass	
					4.43	-10.89	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-3.35	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-5.39	-0.00	-2.5 to 2.5	Pass
					10	3.85	-3.76	-0.00	-2.5 to 2.5	Pass
				30	3.85	-9.16	-0.01	-2.5 to 2.5	Pass	
	40	3.85	-12.29		-0.01	-2.5 to 2.5	Pass			
	50	3.85	-3.58		-0.00	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-2.76	-0.00	-2.5 to 2.5	Pass	
					3.85	-4.11	-0.00	-2.5 to 2.5	Pass	
					4.43	-3.29	-0.00	-2.5 to 2.5	Pass	
-10				3.85	-3.75	-0.00	-2.5 to 2.5	Pass		
				0	3.85	-2.95	-0.00	-2.5 to 2.5	Pass	
				10	3.85	-6.34	-0.00	-2.5 to 2.5	Pass	
30				3.85	-3.36	-0.00	-2.5 to 2.5	Pass		
	40	3.85	-3.65	-0.00	-2.5 to 2.5	Pass				
	50	3.85	-8.65	-0.01	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-6.27	-0.00	-2.5 to 2.5	Pass	
					3.85	-10.47	-0.01	-2.5 to 2.5	Pass	
					4.43	-12.55	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-8.23	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
					10	3.85	-7.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.18	-0.00	-2.5 to 2.5	Pass	
	40	3.85	-8.27		-0.00	-2.5 to 2.5	Pass			
	50	3.85	-8.03		-0.00	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-8.20	-0.00	-2.5 to 2.5	Pass	
					3.85	-5.61	-0.00	-2.5 to 2.5	Pass	
					4.43	-7.44	-0.00	-2.5 to 2.5	Pass	
				-10	3.85	-6.88	-0.00	-2.5 to 2.5	Pass	
					0	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
					10	3.85	-3.58	-0.00	-2.5 to 2.5	Pass
				30	3.85	-9.58	-0.01	-2.5 to 2.5	Pass	
	40	3.85	-1.60		-0.00	-2.5 to 2.5	Pass			
	50	3.85	-5.88		-0.00	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-3.71	-0.00	-2.5 to 2.5	Pass	
					3.85	-6.68	-0.00	-2.5 to 2.5	Pass	
					4.43	-3.00	-0.00	-2.5 to 2.5	Pass	
-10				3.85	-2.52	-0.00	-2.5 to 2.5	Pass		
				0	3.85	-7.38	-0.00	-2.5 to 2.5	Pass	
				10	3.85	-3.43	-0.00	-2.5 to 2.5	Pass	
30				3.85	-5.42	-0.00	-2.5 to 2.5	Pass		
	40	3.85	-3.33	-0.00	-2.5 to 2.5	Pass				
	50	3.85	-1.76	-0.00	-2.5 to 2.5	Pass				





## 1.8. LTE\_B12\_1.4MHz

### 1.8.1. Test Result

Band: 12 / Bandwidth: 1.4MHz															
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict						
		Size	Offset				Result	Limit							
QPSK	699.7	6	0	20	3.27	-6.81	-0.01	-2.5 to 2.5	Pass						
					3.85	-7.98	-0.01	-2.5 to 2.5	Pass						
					4.43	-8.14	-0.01	-2.5 to 2.5	Pass						
				707.5	6	0	-10	3.85	-7.18	-0.01	-2.5 to 2.5	Pass			
								0	3.85	-6.29	-0.01	-2.5 to 2.5	Pass		
								10	3.85	-4.05	-0.01	-2.5 to 2.5	Pass		
							715.3	6	0	30	3.85	-7.68	-0.01	-2.5 to 2.5	Pass
										40	3.85	-6.22	-0.01	-2.5 to 2.5	Pass
	50	3.85	-4.59							-0.01	-2.5 to 2.5	Pass			
	20	3.27	-3.93							-0.01	-2.5 to 2.5	Pass			
	16QAM	699.7	6	0	20	3.85	-6.29	-0.01	-2.5 to 2.5	Pass					
						4.43	-2.45	-0.00	-2.5 to 2.5	Pass					
						-10	3.85	-5.24	-0.01	-2.5 to 2.5	Pass				
					707.5	6	0	0	3.85	-3.36	-0.00	-2.5 to 2.5	Pass		
								10	3.85	-4.69	-0.01	-2.5 to 2.5	Pass		
								30	3.85	-5.72	-0.01	-2.5 to 2.5	Pass		
								40	3.85	-1.14	-0.00	-2.5 to 2.5	Pass		
								50	3.85	-3.38	-0.00	-2.5 to 2.5	Pass		
		20	3.27	-5.97				-0.01	-2.5 to 2.5	Pass					
		3.85	-5.91	-0.01				-2.5 to 2.5	Pass						
		4.43	-4.29	-0.01	-2.5 to 2.5	Pass									
		699.7	6	0	-10	3.85	-3.62	-0.01	-2.5 to 2.5	Pass					
						0	3.85	-2.65	-0.00	-2.5 to 2.5	Pass				
						10	3.85	-4.66	-0.01	-2.5 to 2.5	Pass				
707.5					6	0	30	3.85	-2.96	-0.00	-2.5 to 2.5	Pass			
	40						3.85	-4.63	-0.01	-2.5 to 2.5	Pass				
	50						3.85	-2.32	-0.00	-2.5 to 2.5	Pass				
	20						3.27	-6.72	-0.01	-2.5 to 2.5	Pass				
	3.85						-5.42	-0.01	-2.5 to 2.5	Pass					
4.43	-5.39	-0.01	-2.5 to 2.5	Pass											
707.5	6	0	-10	3.85	-8.51	-0.01	-2.5 to 2.5	Pass							
				0	3.85	-4.23	-0.01	-2.5 to 2.5	Pass						
				10	3.85	-5.97	-0.01	-2.5 to 2.5	Pass						
			707.5	6	0	30	3.85	-6.07	-0.01	-2.5 to 2.5	Pass				
						40	3.85	-6.98	-0.01	-2.5 to 2.5	Pass				
						50	3.85	-6.19	-0.01	-2.5 to 2.5	Pass				
						20	3.27	-6.22	-0.01	-2.5 to 2.5	Pass				
						3.85	-6.87	-0.01	-2.5 to 2.5	Pass					
4.43	-7.48	-0.01	-2.5 to 2.5	Pass											
707.5	6	0	-10	3.85	-10.33	-0.01	-2.5 to 2.5	Pass							
			0	3.85	-5.55	-0.01	-2.5 to 2.5	Pass							
			10	3.85	-6.59	-0.01	-2.5 to 2.5	Pass							
			30	3.85	-4.18	-0.01	-2.5 to 2.5	Pass							
			40	3.85	-3.66	-0.01	-2.5 to 2.5	Pass							



	715.3	6	0	50	3.85	-3.81	-0.01	-2.5 to 2.5	Pass
				20	3.27	-5.89	-0.01	-2.5 to 2.5	Pass
					3.85	-3.92	-0.01	-2.5 to 2.5	Pass
					4.43	-3.38	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.51	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.62	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.33	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.06	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.88	-0.01	-2.5 to 2.5	Pass
				50	3.85	-4.02	-0.01	-2.5 to 2.5	Pass

## 1.9. LTE\_B12\_3MHz

### 1.9.1. Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-9.07	-0.01	-2.5 to 2.5	Pass
					3.85	-7.50	-0.01	-2.5 to 2.5	Pass
					4.43	-6.41	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.72	-0.01	-2.5 to 2.5	Pass
				0	3.85	-8.35	-0.01	-2.5 to 2.5	Pass
				10	3.85	-3.19	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.80	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.29	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.39	-0.01	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-4.03	-0.01	-2.5 to 2.5	Pass
					3.85	-3.75	-0.01	-2.5 to 2.5	Pass
					4.43	-4.11	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-1.06	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.90	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.38	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.33	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.60	0.00	-2.5 to 2.5	Pass
				50	3.85	-3.26	-0.00	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-3.45	-0.00	-2.5 to 2.5	Pass
					3.85	-5.26	-0.01	-2.5 to 2.5	Pass
					4.43	-3.16	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.32	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.56	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.76	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.02	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.47	-0.01	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-7.07	-0.01	-2.5 to 2.5	Pass
					3.85	-2.19	-0.00	-2.5 to 2.5	Pass
					4.43	-4.96	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.86	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.84	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.61	-0.01	-2.5 to 2.5	Pass
30	3.85	-8.65	-0.01	-2.5 to 2.5	Pass				



	707.5	15	0	40	3.85	-5.58	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.57	-0.02	-2.5 to 2.5	Pass
				20	3.27	-7.18	-0.01	-2.5 to 2.5	Pass
					3.85	-2.32	-0.00	-2.5 to 2.5	Pass
					4.43	-3.23	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.15	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.01	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.31	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.29	-0.01	-2.5 to 2.5	Pass
	40	3.85	-3.55	-0.01	-2.5 to 2.5	Pass			
	50	3.85	-5.24	-0.01	-2.5 to 2.5	Pass			
	714.5	15	0	20	3.27	-4.33	-0.01	-2.5 to 2.5	Pass
					3.85	-5.45	-0.01	-2.5 to 2.5	Pass
					4.43	-5.01	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.92	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.88	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.91	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.18	-0.01	-2.5 to 2.5	Pass
40				3.85	-6.37	-0.01	-2.5 to 2.5	Pass	
50				3.85	-5.74	-0.01	-2.5 to 2.5	Pass	

## 1.10. LTE\_B12\_5MHz

### 1.10.1. Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-5.89	-0.01	-2.5 to 2.5	Pass
					3.85	-4.72	-0.01	-2.5 to 2.5	Pass
					4.43	-9.28	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.44	-0.01	-2.5 to 2.5	Pass
				0	3.85	-8.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.90	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.27	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.91	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.90	-0.01	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-7.61	-0.01	-2.5 to 2.5	Pass
					3.85	-2.56	-0.00	-2.5 to 2.5	Pass
					4.43	-7.91	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.63	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.01	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.08	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.67	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.55	-0.01	-2.5 to 2.5	Pass
				50	3.85	-8.67	-0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.81	-0.01	-2.5 to 2.5	Pass
					3.85	-6.61	-0.01	-2.5 to 2.5	Pass
					4.43	-2.73	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.02	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.42	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.18	-0.01	-2.5 to 2.5	Pass



16QAM	701.5	25	0	30	3.85	-7.67	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.61	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.00	-0.01	-2.5 to 2.5	Pass
				20	3.27	-9.57	-0.01	-2.5 to 2.5	Pass
					3.85	-7.65	-0.01	-2.5 to 2.5	Pass
					4.43	-7.12	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.15	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.48	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.76	-0.01	-2.5 to 2.5	Pass
	30	3.85	-4.96	-0.01	-2.5 to 2.5	Pass			
	40	3.85	-9.33	-0.01	-2.5 to 2.5	Pass			
	50	3.85	-7.91	-0.01	-2.5 to 2.5	Pass			
	707.5	25	0	20	3.27	-6.54	-0.01	-2.5 to 2.5	Pass
					3.85	-5.38	-0.01	-2.5 to 2.5	Pass
					4.43	-5.64	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.25	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.32	-0.01	-2.5 to 2.5	Pass
				30	3.85	-3.49	-0.00	-2.5 to 2.5	Pass
				40	3.85	-6.47	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.55	-0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.81	-0.01	-2.5 to 2.5	Pass
					3.85	-3.88	-0.01	-2.5 to 2.5	Pass
					4.43	-4.98	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.08	-0.01	-2.5 to 2.5	Pass
				0	3.85	-10.50	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.18	-0.01	-2.5 to 2.5	Pass
30				3.85	-3.63	-0.01	-2.5 to 2.5	Pass	
40				3.85	-6.21	-0.01	-2.5 to 2.5	Pass	
50				3.85	-3.88	-0.01	-2.5 to 2.5	Pass	

### 1.11. LTE\_B12\_10MHz

#### 1.11.1. Test Result

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	704	50	0	20	3.27	-4.65	-0.01	-2.5 to 2.5	Pass
					3.85	-2.39	-0.00	-2.5 to 2.5	Pass
					4.43	-2.47	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.30	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.49	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.43	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.61	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.32	-0.01	-2.5 to 2.5	Pass
	50	3.85	-4.45	-0.01	-2.5 to 2.5	Pass			
	707.5	50	0	20	3.27	-3.62	-0.01	-2.5 to 2.5	Pass
					3.85	-5.06	-0.01	-2.5 to 2.5	Pass
					4.43	-6.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.93	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.94	-0.01	-2.5 to 2.5	Pass



				10	3.85	-8.75	-0.01	-2.5 to 2.5	Pass
				30	3.85	-11.56	-0.02	-2.5 to 2.5	Pass
				40	3.85	-7.84	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.73	-0.02	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.84	-0.01	-2.5 to 2.5	Pass
					3.85	-4.95	-0.01	-2.5 to 2.5	Pass
					4.43	-5.02	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.90	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.29	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.95	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.62	-0.01	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-3.79	-0.01	-2.5 to 2.5	Pass
					3.85	-6.39	-0.01	-2.5 to 2.5	Pass
					4.43	-6.29	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.99	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.49	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.77	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.87	-0.01	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-3.46	-0.00	-2.5 to 2.5	Pass
					3.85	-7.25	-0.01	-2.5 to 2.5	Pass
					4.43	-6.44	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.35	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.98	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.79	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.01	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.72	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.55	-0.01	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.39	-0.00	-2.5 to 2.5	Pass
					3.85	-6.71	-0.01	-2.5 to 2.5	Pass
					4.43	-6.69	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.79	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.61	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.95	-0.01	-2.5 to 2.5	Pass
30				3.85	-2.92	-0.00	-2.5 to 2.5	Pass	
40				3.85	-4.03	-0.01	-2.5 to 2.5	Pass	
50				3.85	0.51	0.00	-2.5 to 2.5	Pass	



### 1.12. LTE\_B13\_5MHz

#### 1.12.1. Test Result

Band: 13 / Bandwidth: 5MHz															
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict						
		Size	Offset				Result	Limit							
QPSK	779.5	25	0	20	3.27	-0.96	-0.00	-2.5 to 2.5	Pass						
					3.85	-5.14	-0.01	-2.5 to 2.5	Pass						
					4.43	-5.14	-0.01	-2.5 to 2.5	Pass						
				782	25	0	-10	3.85	-4.66	-0.01	-2.5 to 2.5	Pass			
								0	3.85	-7.98	-0.01	-2.5 to 2.5	Pass		
								10	3.85	-8.21	-0.01	-2.5 to 2.5	Pass		
							784.5	25	0	30	3.85	-6.74	-0.01	-2.5 to 2.5	Pass
											40	3.85	-9.23	-0.01	-2.5 to 2.5
	50	3.85	-10.33								-0.01	-2.5 to 2.5	Pass		
	779.5	25	0							20	3.27	-4.08	-0.01	-2.5 to 2.5	Pass
				3.85	-4.41	-0.01	-2.5 to 2.5	Pass							
				4.43	-6.78	-0.01	-2.5 to 2.5	Pass							
				782	25	0	-10	3.85	-4.68	-0.01	-2.5 to 2.5	Pass			
								0	3.85	-4.08	-0.01	-2.5 to 2.5	Pass		
								10	3.85	-7.18	-0.01	-2.5 to 2.5	Pass		
							784.5	25	0	30	3.85	-9.04	-0.01	-2.5 to 2.5	Pass
	40	3.85	-11.20								-0.01	-2.5 to 2.5	Pass		
	50	3.85	-12.02								-0.02	-2.5 to 2.5	Pass		
	16QAM	779.5	25	0	20	3.27	-7.38	-0.01	-2.5 to 2.5	Pass					
						3.85	-5.75	-0.01	-2.5 to 2.5	Pass					
						4.43	-7.62	-0.01	-2.5 to 2.5	Pass					
					782	25	0	-10	3.85	-7.44	-0.01	-2.5 to 2.5	Pass		
									0	3.85	-5.34	-0.01	-2.5 to 2.5	Pass	
									10	3.85	-5.18	-0.01	-2.5 to 2.5	Pass	
779.5								25	0	30	3.85	-5.38	-0.01	-2.5 to 2.5	Pass
		40	3.85	-6.84	-0.01	-2.5 to 2.5	Pass								
		50	3.85	-7.25	-0.01	-2.5 to 2.5	Pass								
		782	25	0	20	3.27	-10.24			-0.01	-2.5 to 2.5	Pass			
						3.85	-5.85			-0.01	-2.5 to 2.5	Pass			
						4.43	-3.81			-0.00	-2.5 to 2.5	Pass			
					779.5	25	0			-10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass
0								3.85	-6.49		-0.01	-2.5 to 2.5	Pass		
10	3.85							-2.62	-0.00		-2.5 to 2.5	Pass			
782	25							0	30	3.85	-4.19	-0.01	-2.5 to 2.5	Pass	
		40	3.85	-7.47	-0.01	-2.5 to 2.5	Pass								
		50	3.85	-6.24	-0.01	-2.5 to 2.5	Pass								
		779.5	25	0	20	3.27	-0.63		-0.00	-2.5 to 2.5	Pass				
						3.85	-3.93		-0.01	-2.5 to 2.5	Pass				
						4.43	-4.96		-0.01	-2.5 to 2.5	Pass				
					782	25	0		-10	3.85	-8.23	-0.01	-2.5 to 2.5	Pass	
0	3.85	-7.61	-0.01	-2.5 to 2.5				Pass							
10	3.85	-4.66	-0.01	-2.5 to 2.5				Pass							
30	3.85	-3.85	-0.00	-2.5 to 2.5				Pass							
40	3.85	-5.29	-0.01	-2.5 to 2.5	Pass										



	784.5	25	0	50	3.85	-3.50	-0.00	-2.5 to 2.5	Pass
				20	3.27	-6.47	-0.01	-2.5 to 2.5	Pass
					3.85	-9.46	-0.01	-2.5 to 2.5	Pass
					4.43	-9.73	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.44	-0.01	-2.5 to 2.5	Pass
				0	3.85	-8.71	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.42	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.64	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.59	-0.01	-2.5 to 2.5	Pass
				50	3.85	-3.76	-0.00	-2.5 to 2.5	Pass

### 1.13. LTE\_B13\_10MHz

#### 1.13.1. Test Result

Band: 13 / Bandwidth: 10MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	782	50	0	20	3.27	-4.79	-0.01	-2.5 to 2.5	Pass			
					3.85	-4.98	-0.01	-2.5 to 2.5	Pass			
					4.43	-3.08	-0.00	-2.5 to 2.5	Pass			
				-10	3.85	-3.03	-0.00	-2.5 to 2.5	Pass			
				0	3.85	-2.32	-0.00	-2.5 to 2.5	Pass			
				10	3.85	-3.50	-0.00	-2.5 to 2.5	Pass			
				30	3.85	-3.72	-0.00	-2.5 to 2.5	Pass			
				40	3.85	-4.08	-0.01	-2.5 to 2.5	Pass			
				50	3.85	-3.53	-0.00	-2.5 to 2.5	Pass			
				782	50	0	20	3.27	-3.15	-0.00	-2.5 to 2.5	Pass
								3.85	-3.29	-0.00	-2.5 to 2.5	Pass
								4.43	-3.46	-0.00	-2.5 to 2.5	Pass
	-10	3.85	-0.93				-0.00	-2.5 to 2.5	Pass			
	0	3.85	-2.02				-0.00	-2.5 to 2.5	Pass			
	10	3.85	-1.69				-0.00	-2.5 to 2.5	Pass			
	782	50	0	20	3.85	-0.99	-0.00	-2.5 to 2.5	Pass			
					3.85	-3.33	-0.00	-2.5 to 2.5	Pass			
					3.85	-3.53	-0.00	-2.5 to 2.5	Pass			
				-10	3.85	-3.98	-0.01	-2.5 to 2.5	Pass			
				0	3.85	-4.28	-0.01	-2.5 to 2.5	Pass			
				4.43	-8.38	-0.01	-2.5 to 2.5	Pass				
	16QAM	782	50	0	20	3.27	-3.98	-0.01	-2.5 to 2.5	Pass		
						3.85	-4.28	-0.01	-2.5 to 2.5	Pass		
						4.43	-8.38	-0.01	-2.5 to 2.5	Pass		
-10					3.85	-7.28	-0.01	-2.5 to 2.5	Pass			
0					3.85	-7.91	-0.01	-2.5 to 2.5	Pass			
10					3.85	-6.81	-0.01	-2.5 to 2.5	Pass			
30					3.85	-5.49	-0.01	-2.5 to 2.5	Pass			
40					3.85	-7.08	-0.01	-2.5 to 2.5	Pass			
16QAM	782	50	0	20	3.85	-5.66	-0.01	-2.5 to 2.5	Pass			
					3.27	-4.56	-0.01	-2.5 to 2.5	Pass			
					3.85	-6.47	-0.01	-2.5 to 2.5	Pass			
				-10	3.85	-6.90	-0.01	-2.5 to 2.5	Pass			
				0	3.85	-5.78	-0.01	-2.5 to 2.5	Pass			
				10	3.85	-4.98	-0.01	-2.5 to 2.5	Pass			
30	3.85	-2.27	-0.00	-2.5 to 2.5	Pass							



	782	50	0	40	3.85	-5.69	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.88	-0.01	-2.5 to 2.5	Pass
				20	3.27	-6.09	-0.01	-2.5 to 2.5	Pass
					3.85	-4.99	-0.01	-2.5 to 2.5	Pass
					4.43	-3.83	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.92	-0.01	-2.5 to 2.5	Pass
	10	3.85	-7.04	-0.01	-2.5 to 2.5	Pass			
	30	3.85	-4.81	-0.01	-2.5 to 2.5	Pass			
	40	3.85	-3.71	-0.00	-2.5 to 2.5	Pass			
	50	3.85	-5.04	-0.01	-2.5 to 2.5	Pass			
	782	50	0	20	3.27	-6.77	-0.01	-2.5 to 2.5	Pass
					3.85	-4.72	-0.01	-2.5 to 2.5	Pass
					4.43	-7.51	-0.01	-2.5 to 2.5	Pass
-10				3.85	-6.95	-0.01	-2.5 to 2.5	Pass	
0				3.85	-5.38	-0.01	-2.5 to 2.5	Pass	
10				3.85	-4.51	-0.01	-2.5 to 2.5	Pass	
30				3.85	-0.82	-0.00	-2.5 to 2.5	Pass	
40	3.85	-9.13	-0.01	-2.5 to 2.5	Pass				
50	3.85	-8.77	-0.01	-2.5 to 2.5	Pass				

## 1.14. LTE\_B17\_5MHz

### 1.14.1. Test Result

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	-4.31	-0.01	-2.5 to 2.5	Pass
					3.85	-4.23	-0.01	-2.5 to 2.5	Pass
					4.43	-2.60	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.12	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.64	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.46	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.72	-0.00	-2.5 to 2.5	Pass
	40	3.85	-7.10	-0.01	-2.5 to 2.5	Pass			
	50	3.85	-6.02	-0.01	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-6.85	-0.01	-2.5 to 2.5	Pass
					3.85	-6.45	-0.01	-2.5 to 2.5	Pass
					4.43	-7.32	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.58	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.50	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.81	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.48	-0.01	-2.5 to 2.5	Pass
	40	3.85	-4.89	-0.01	-2.5 to 2.5	Pass			
	50	3.85	-0.83	-0.00	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-10.39	-0.01	-2.5 to 2.5	Pass
					3.85	-7.10	-0.01	-2.5 to 2.5	Pass
					4.43	-6.47	-0.01	-2.5 to 2.5	Pass
-10				3.85	-4.59	-0.01	-2.5 to 2.5	Pass	





				0	3.85	-5.88	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.51	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.45	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.46	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-6.74	-0.01	-2.5 to 2.5	Pass
					3.85	-0.94	-0.00	-2.5 to 2.5	Pass
					4.43	-4.15	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-2.50	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.53	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.21	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.74	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.96	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.79	-0.00	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-8.48	-0.01	-2.5 to 2.5	Pass
					3.85	-5.71	-0.01	-2.5 to 2.5	Pass
					4.43	-4.89	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-2.17	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.03	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.94	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.58	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.10	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.12	-0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-4.94	-0.01	-2.5 to 2.5	Pass
					3.85	-6.22	-0.01	-2.5 to 2.5	Pass
					4.43	-7.30	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-11.92	-0.02	-2.5 to 2.5	Pass
				10	3.85	-4.42	-0.01	-2.5 to 2.5	Pass
30				3.85	-7.61	-0.01	-2.5 to 2.5	Pass	
40				3.85	-4.32	-0.01	-2.5 to 2.5	Pass	
50				3.85	-3.35	-0.00	-2.5 to 2.5	Pass	

### 1.15. LTE\_B17\_10MHz

#### 1.15.1. Test Result

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	-8.21	-0.01	-2.5 to 2.5	Pass
					3.85	-7.52	-0.01	-2.5 to 2.5	Pass
					4.43	-6.42	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.27	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.17	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.24	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.68	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.90	-0.01	-2.5 to 2.5	Pass
	50	3.85	-8.73	-0.01	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-9.98	-0.01	-2.5 to 2.5	Pass
					3.85	-6.28	-0.01	-2.5 to 2.5	Pass
					4.43	-6.61	-0.01	-2.5 to 2.5	Pass

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				-10	3.85	-4.62	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.38	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.69	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.11	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.28	-0.01	-2.5 to 2.5	Pass
	711	50	0	20	3.85	-2.72	-0.00	-2.5 to 2.5	Pass
					3.27	-2.19	-0.00	-2.5 to 2.5	Pass
					4.43	-9.10	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.95	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.67	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.95	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.09	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.88	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.16	-0.01	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-6.90	-0.01	-2.5 to 2.5	Pass
					3.85	-5.92	-0.01	-2.5 to 2.5	Pass
					4.43	-5.81	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.35	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.79	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.18	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.94	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.71	-0.01	-2.5 to 2.5	Pass
	50	3.85	-5.09	-0.01	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-2.72	-0.00	-2.5 to 2.5	Pass
					3.85	-8.07	-0.01	-2.5 to 2.5	Pass
					4.43	-4.76	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.40	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.33	-0.00	-2.5 to 2.5	Pass
				10	3.85	-6.12	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.68	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.21	-0.01	-2.5 to 2.5	Pass
	50	3.85	-1.75	-0.00	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-3.93	-0.01	-2.5 to 2.5	Pass
					3.85	-0.67	-0.00	-2.5 to 2.5	Pass
					4.43	-7.82	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.49	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.45	-0.01	-2.5 to 2.5	Pass
30				3.85	-4.46	-0.01	-2.5 to 2.5	Pass	
40				3.85	-7.45	-0.01	-2.5 to 2.5	Pass	
50	3.85	-5.82	-0.01	-2.5 to 2.5	Pass				



## 2. 99% & 26dB Bandwidth

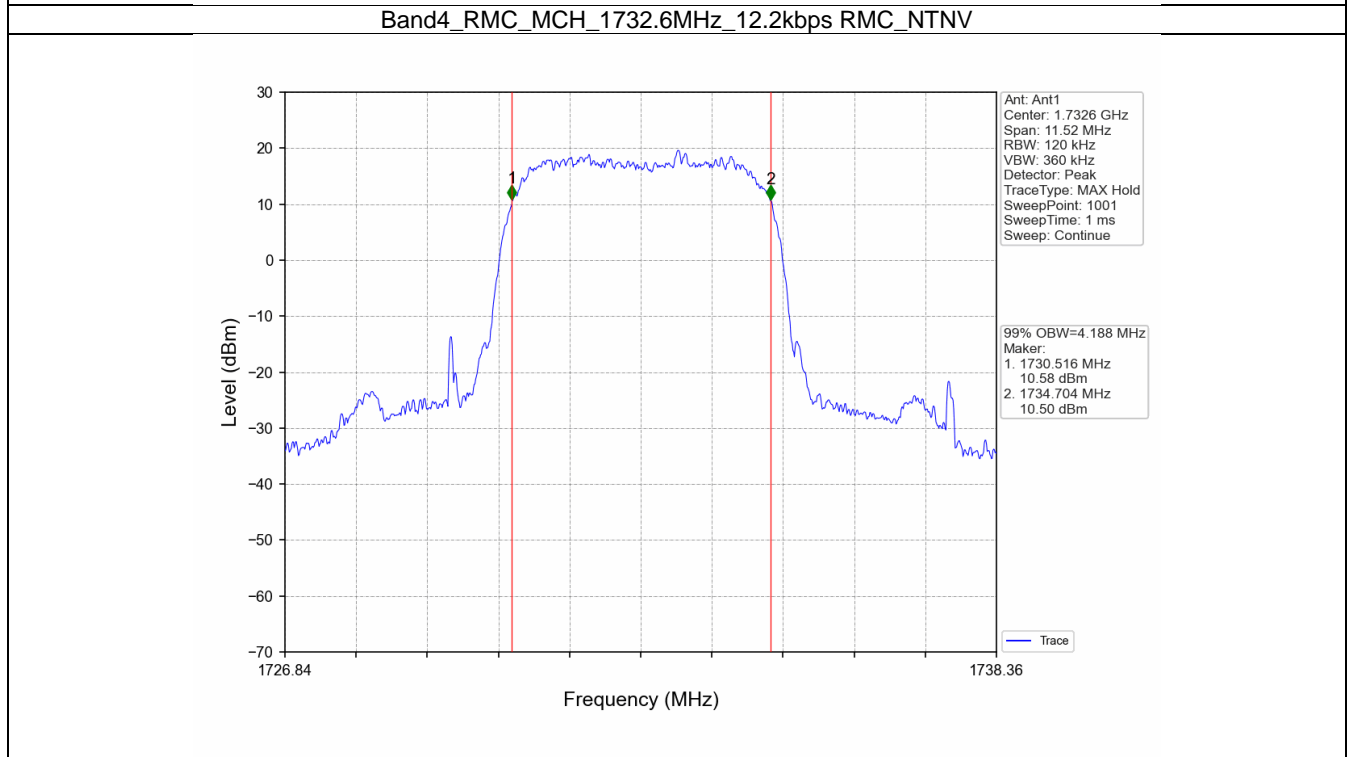
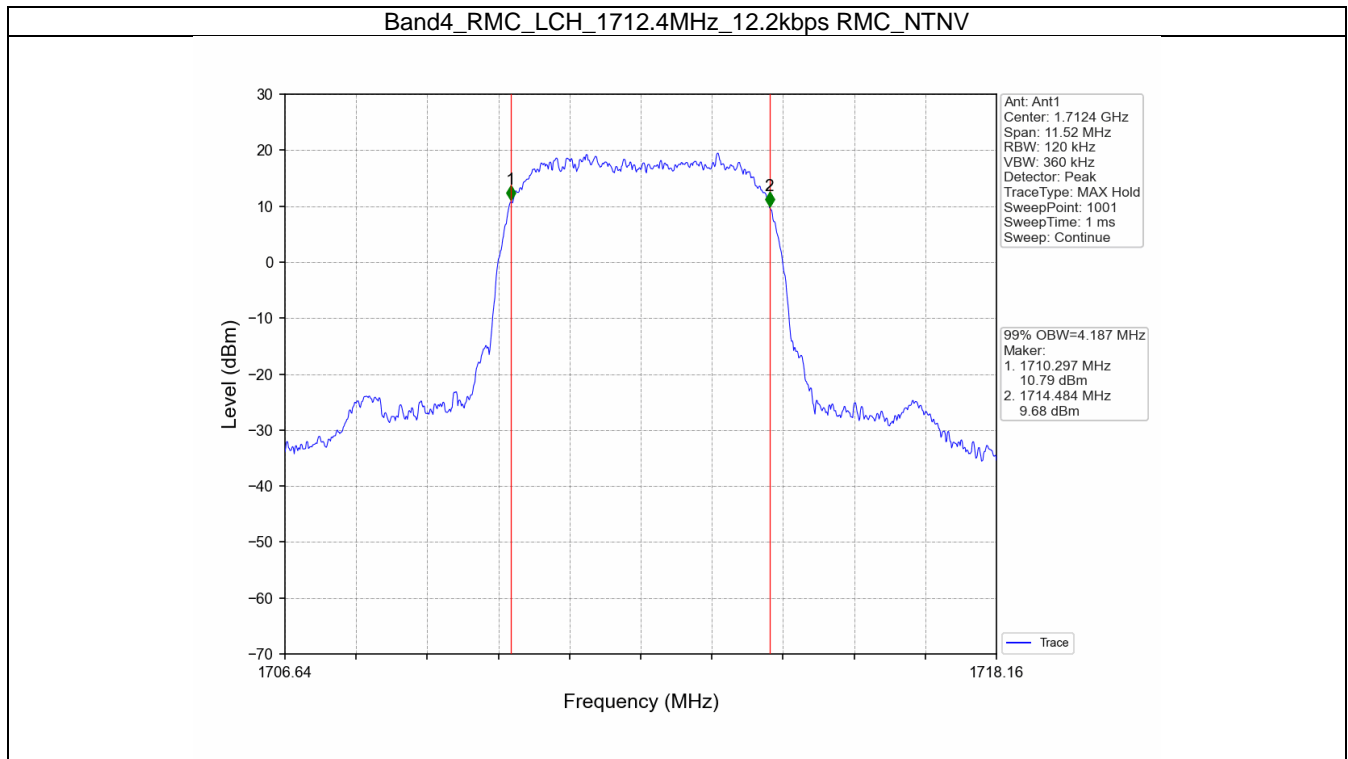
### 2.1. WCDMA\_Band4\_OBW

#### 2.1.1. Test Result

Band: 4					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.187	Pass
			1732.6	4.188	Pass
			1752.6	4.181	Pass

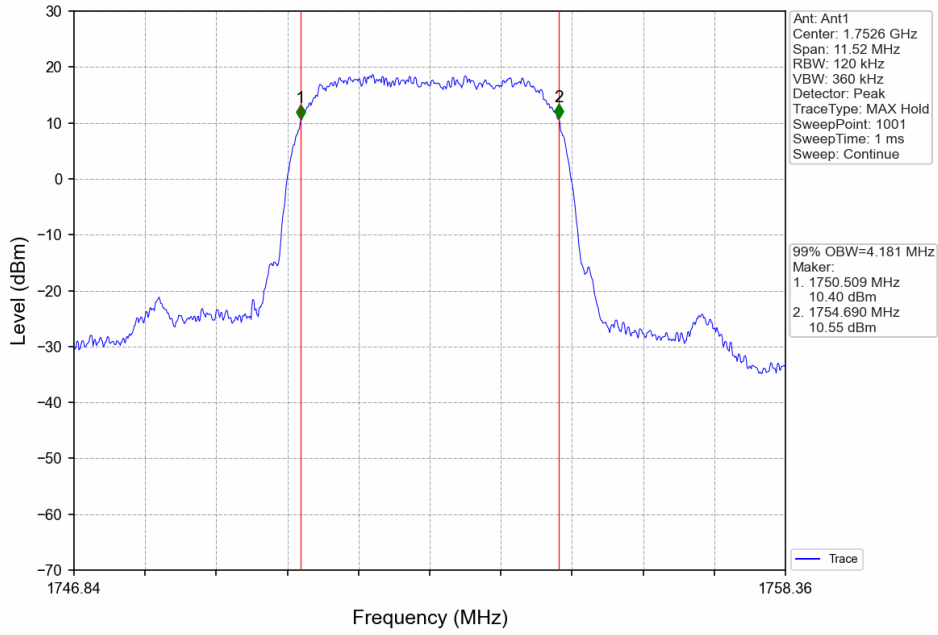


### 2.1.2. Test Graph





Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV





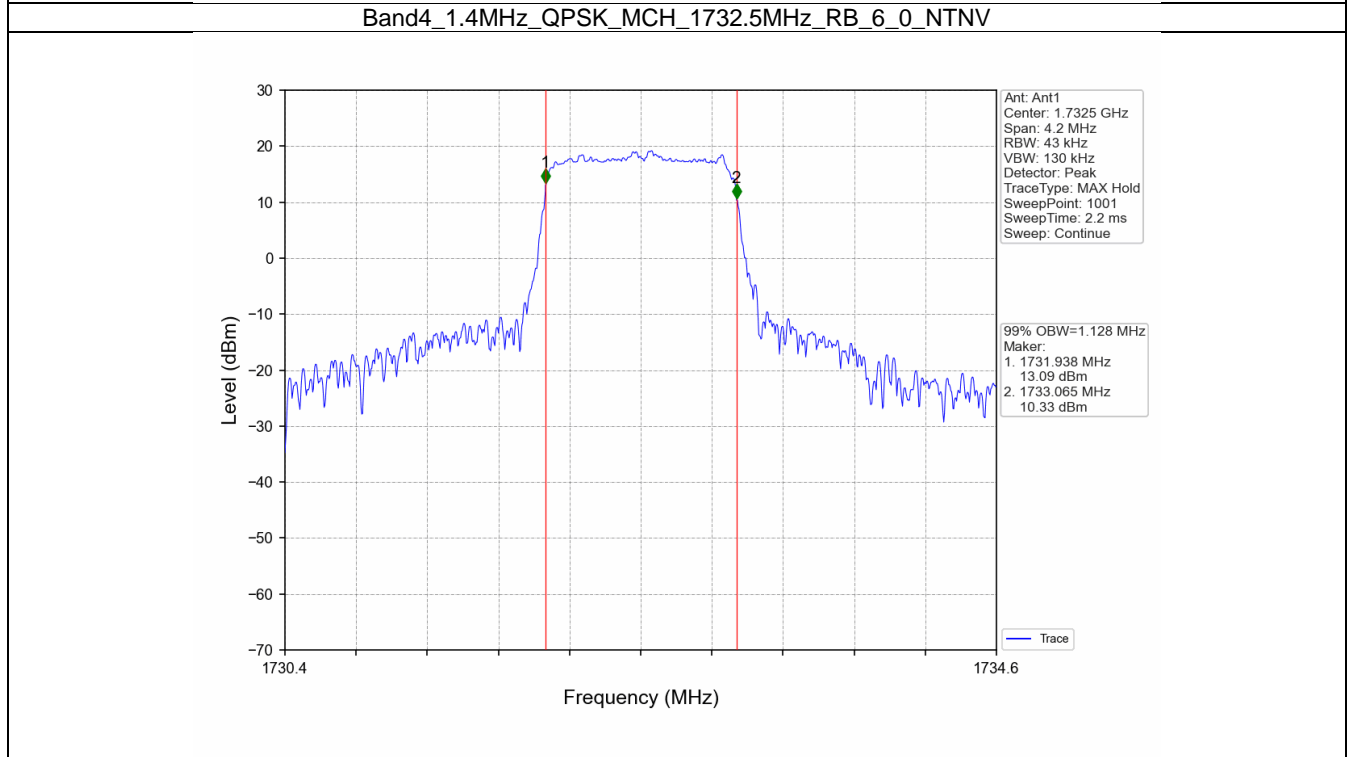
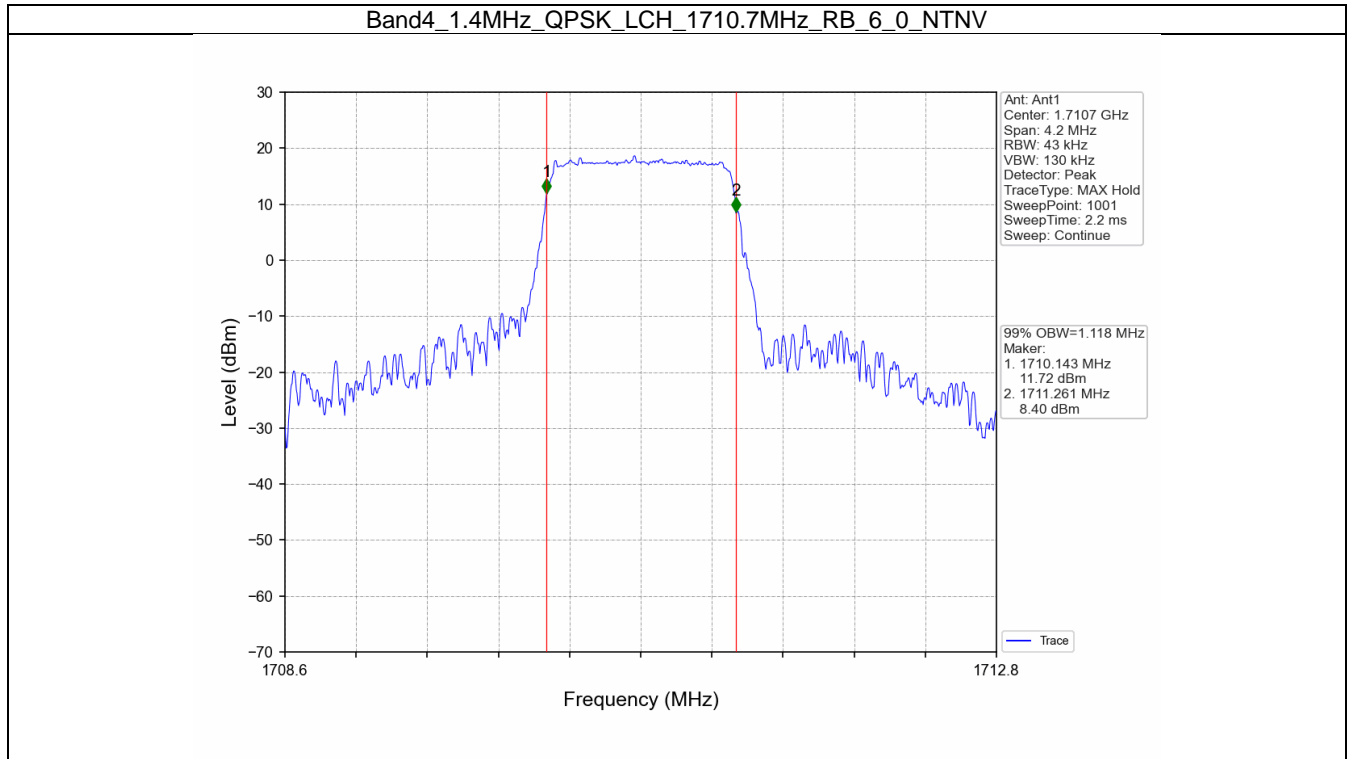
### 2.2. LTE\_B4\_OBW

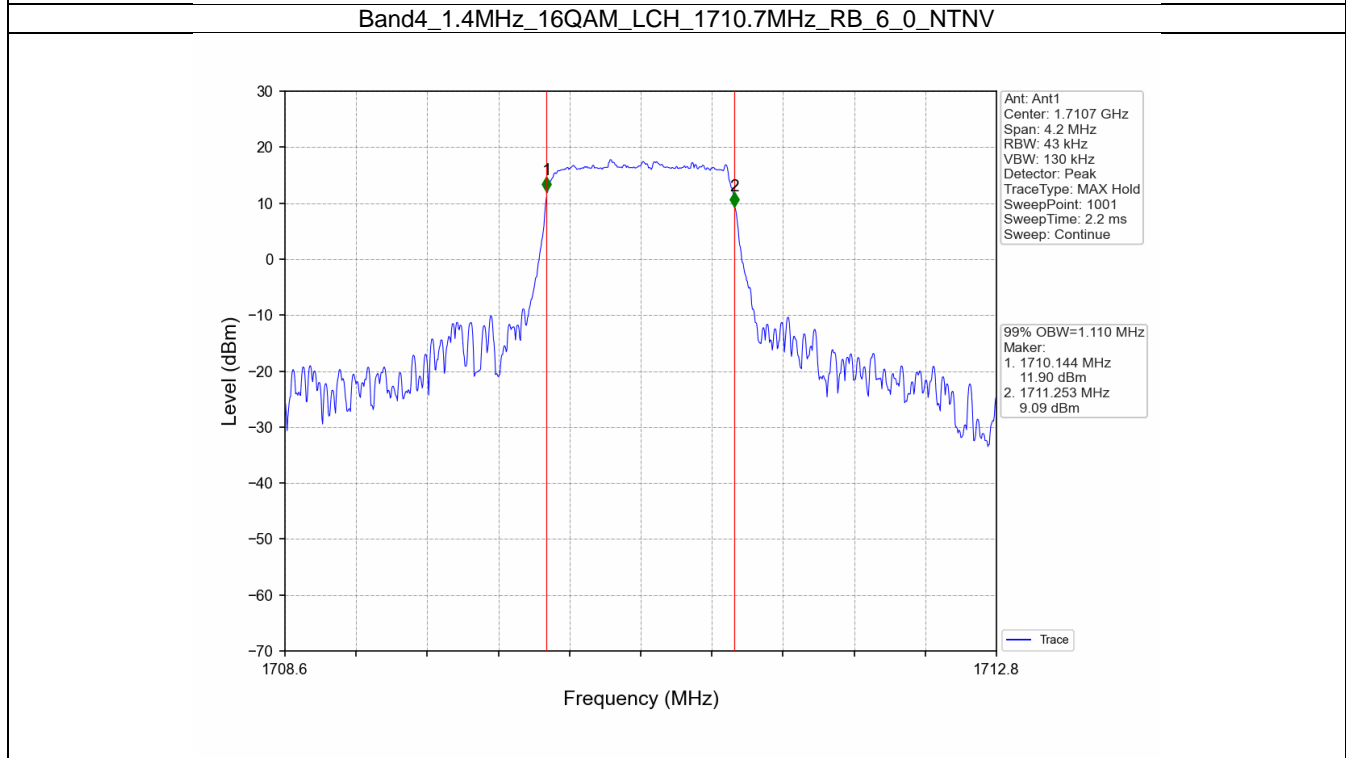
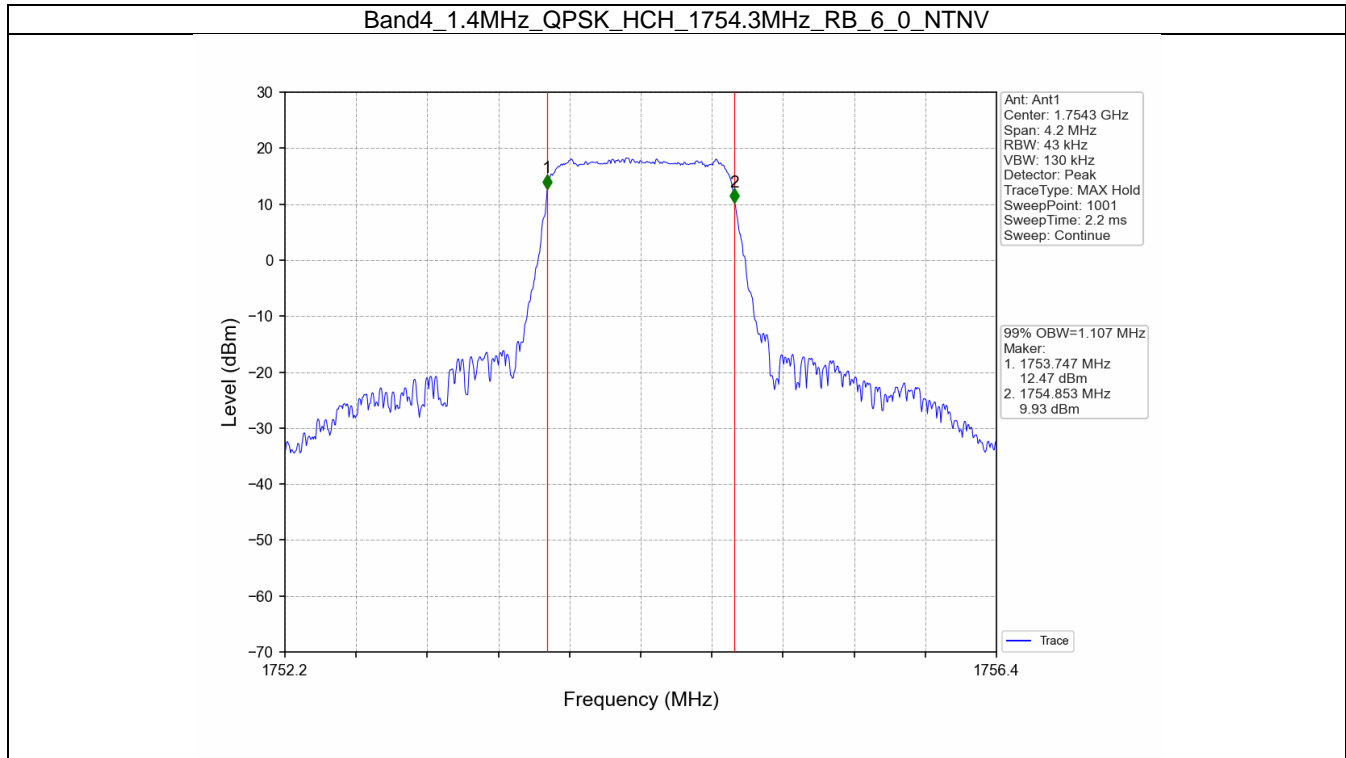
#### 2.2.1. Test Result

Band: 4 / NTVN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.118	Pass
		1732.5	6	0	1.128	Pass
		1754.3	6	0	1.107	Pass
	16QAM	1710.7	6	0	1.110	Pass
		1732.5	6	0	1.118	Pass
		1754.3	6	0	1.114	Pass
3	QPSK	1711.5	15	0	2.733	Pass
		1732.5	15	0	2.726	Pass
		1753.5	15	0	2.726	Pass
	16QAM	1711.5	15	0	2.728	Pass
		1732.5	15	0	2.719	Pass
		1753.5	15	0	2.717	Pass
5	QPSK	1712.5	25	0	4.551	Pass
		1732.5	25	0	4.535	Pass
		1752.5	25	0	4.534	Pass
	16QAM	1712.5	25	0	4.531	Pass
		1732.5	25	0	4.543	Pass
		1752.5	25	0	4.546	Pass
10	QPSK	1715	50	0	9.073	Pass
		1732.5	50	0	9.057	Pass
		1750	50	0	9.072	Pass
	16QAM	1715	50	0	9.052	Pass
		1732.5	50	0	9.069	Pass
		1750	50	0	9.062	Pass
15	QPSK	1717.5	75	0	13.610	Pass
		1732.5	75	0	13.564	Pass
		1747.5	75	0	13.609	Pass
	16QAM	1717.5	75	0	13.602	Pass
		1732.5	75	0	13.601	Pass
		1747.5	75	0	13.588	Pass
20	QPSK	1720	100	0	18.146	Pass
		1732.5	100	0	18.119	Pass
		1745	100	0	18.113	Pass
	16QAM	1720	100	0	18.218	Pass
		1732.5	100	0	18.117	Pass
		1745	100	0	18.075	Pass



### 2.2.2. Test Graph

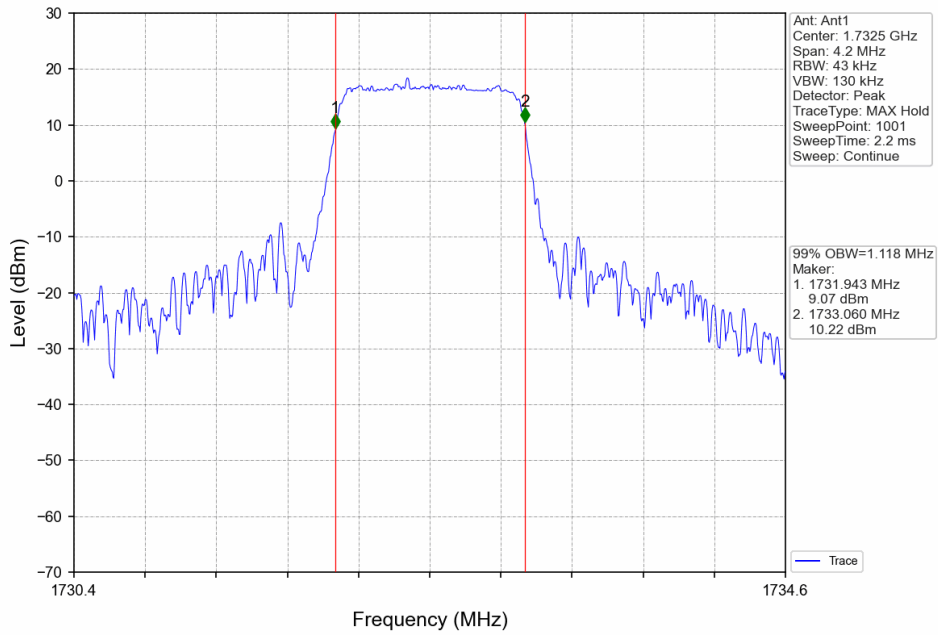




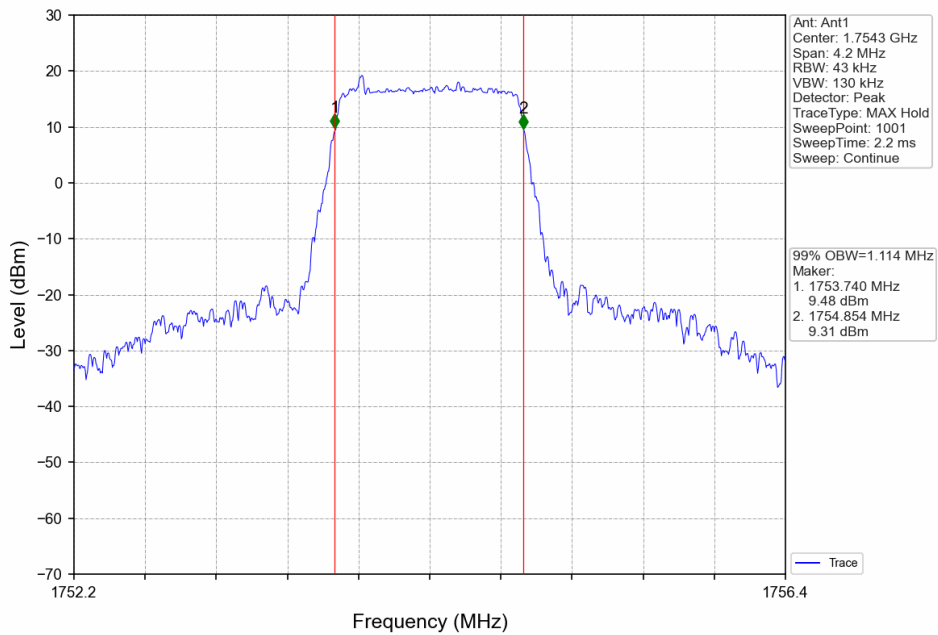




Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV

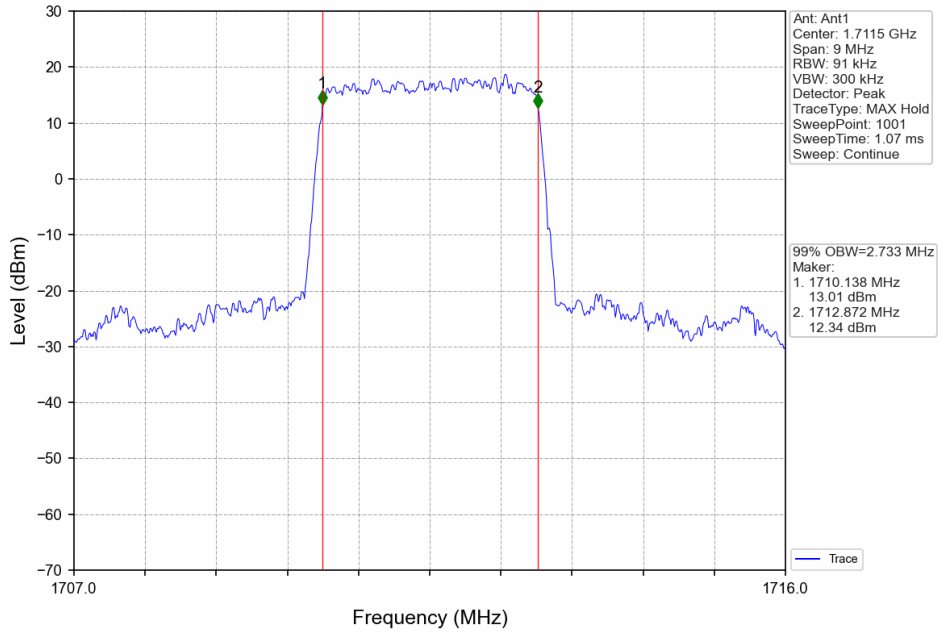


Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV

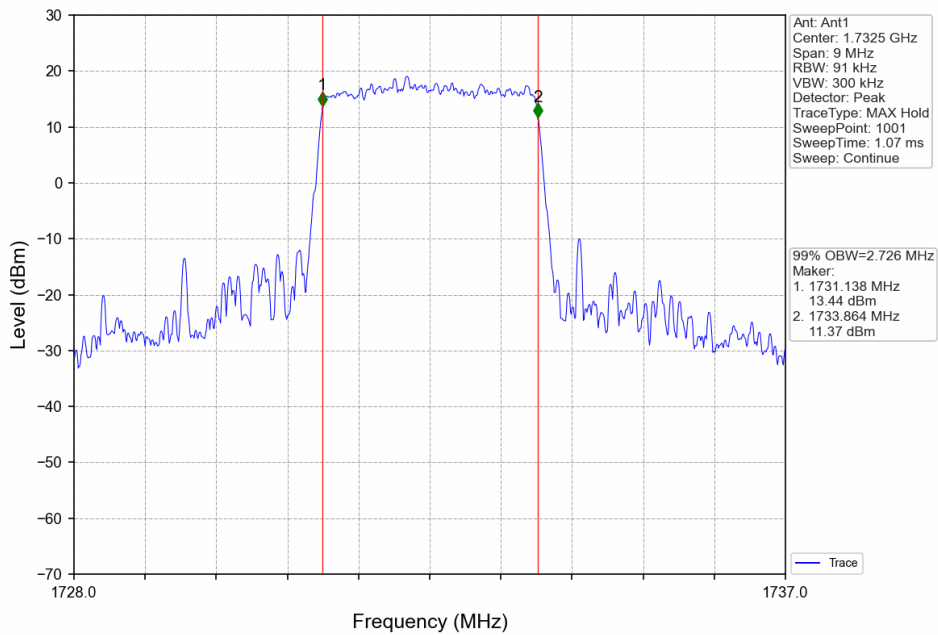




Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

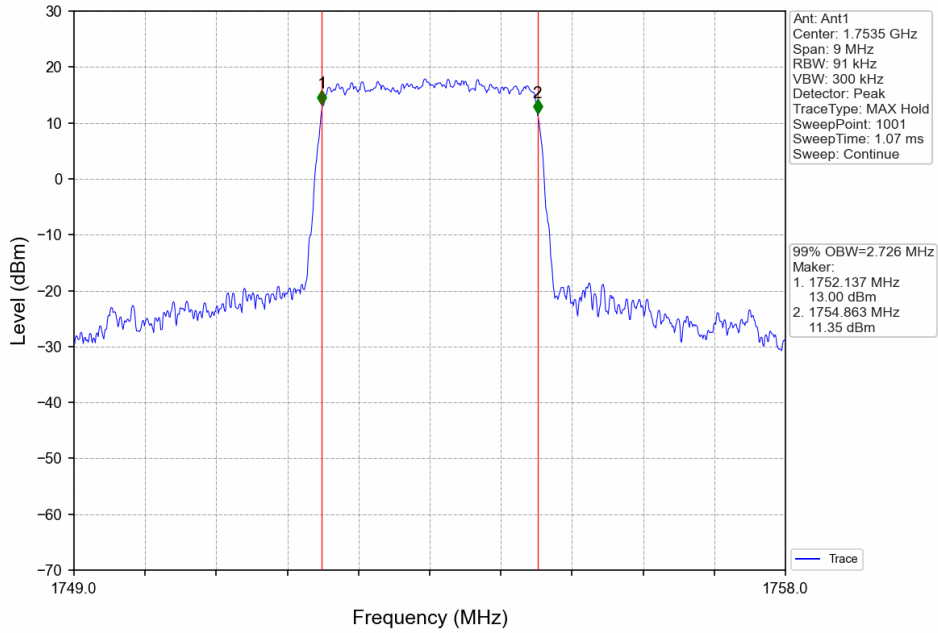


Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV

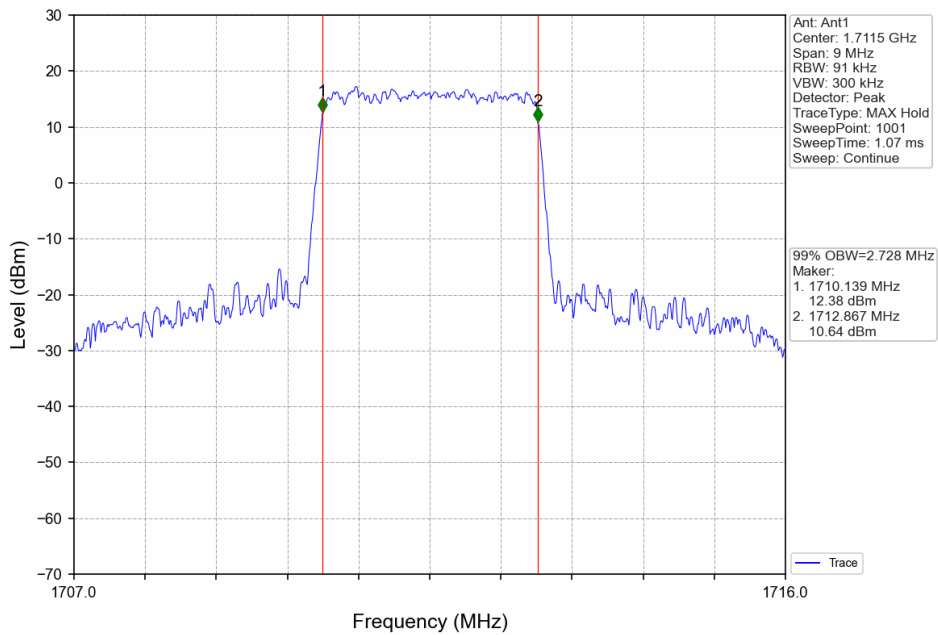




Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

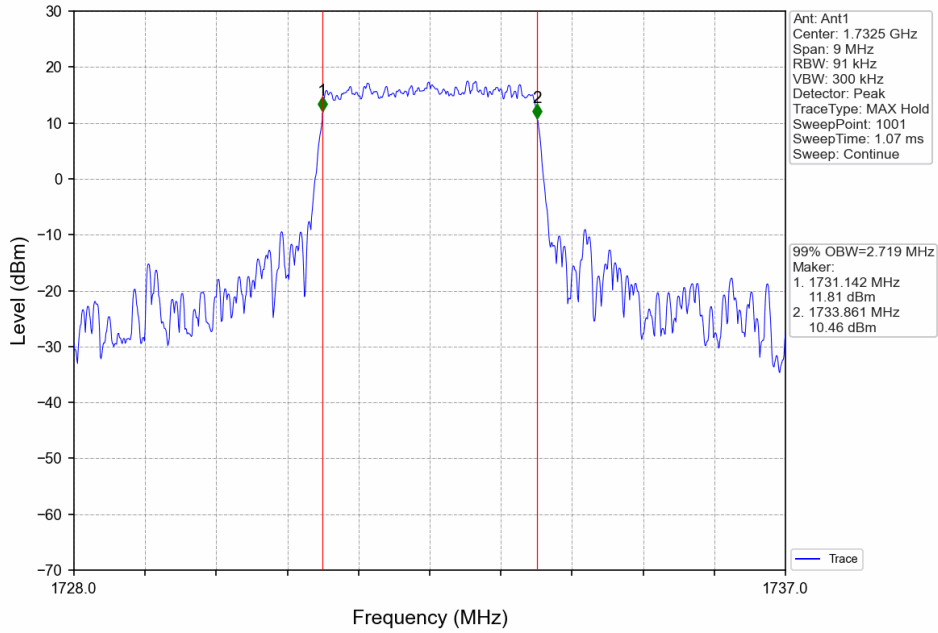


Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

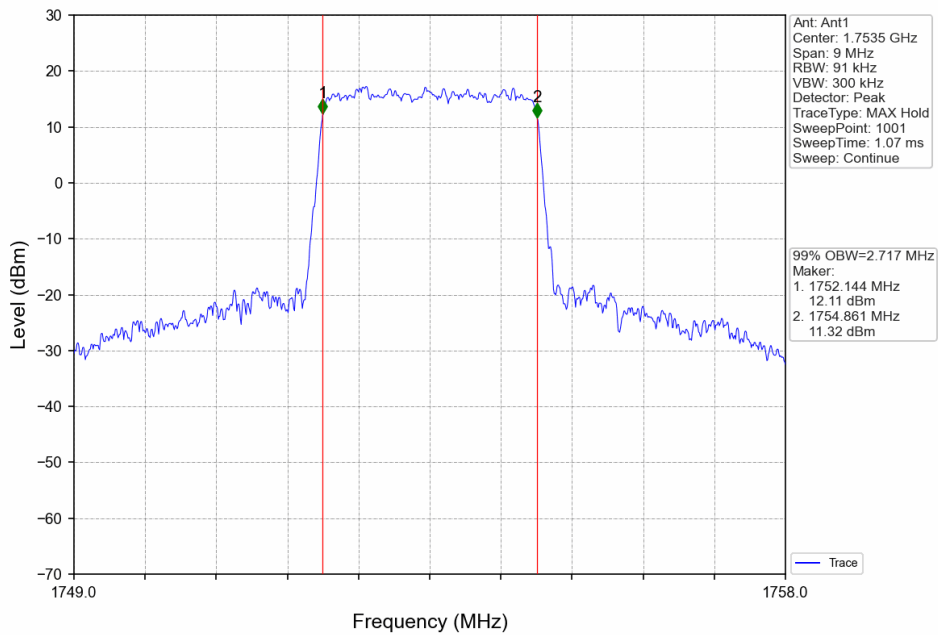




Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV

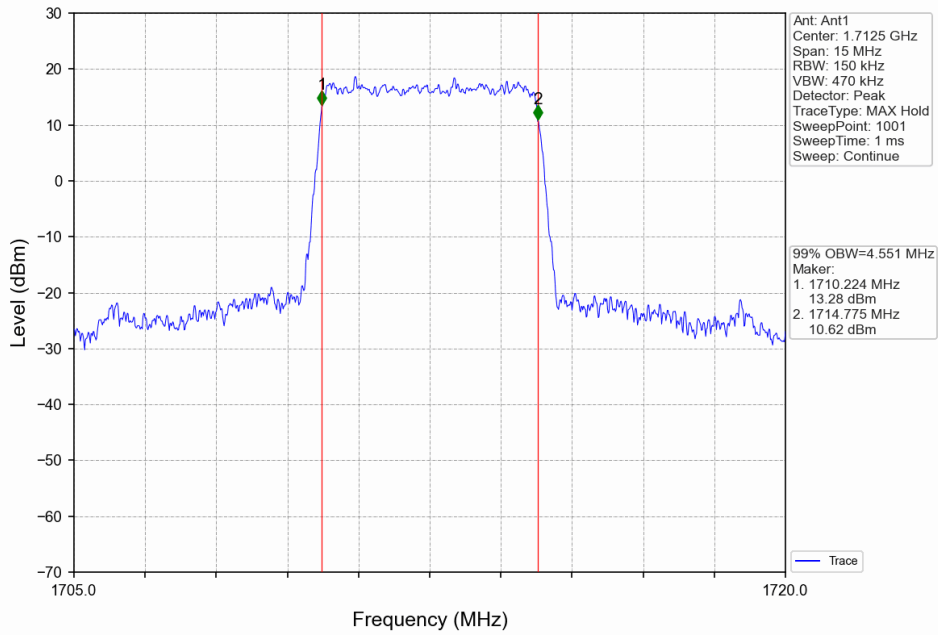


Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

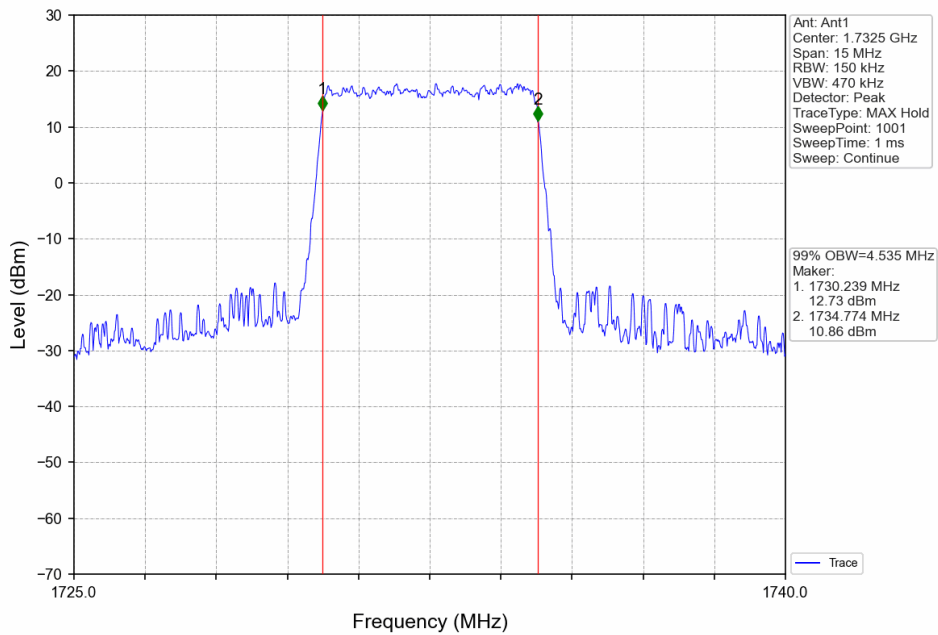




Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

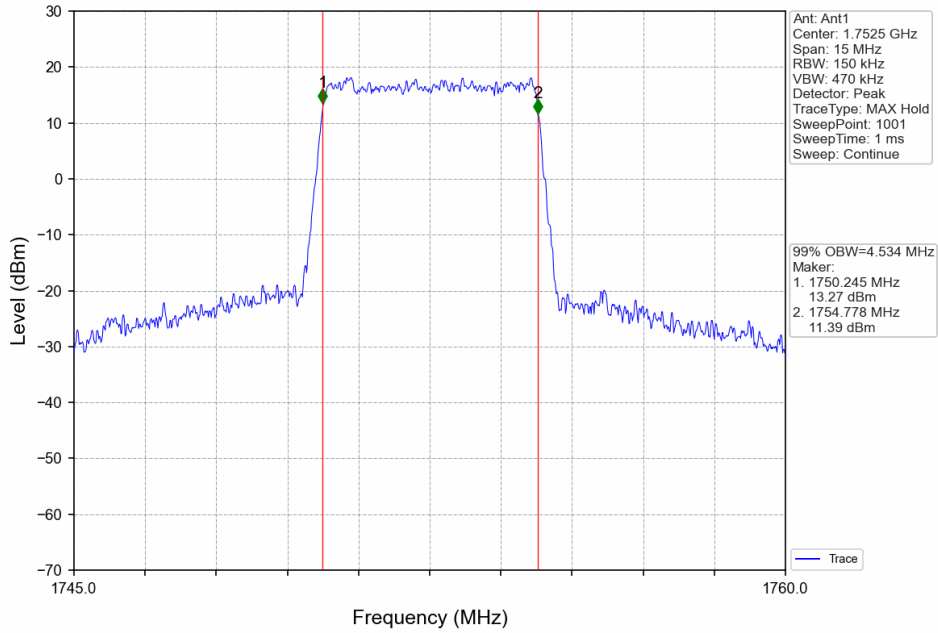


Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV

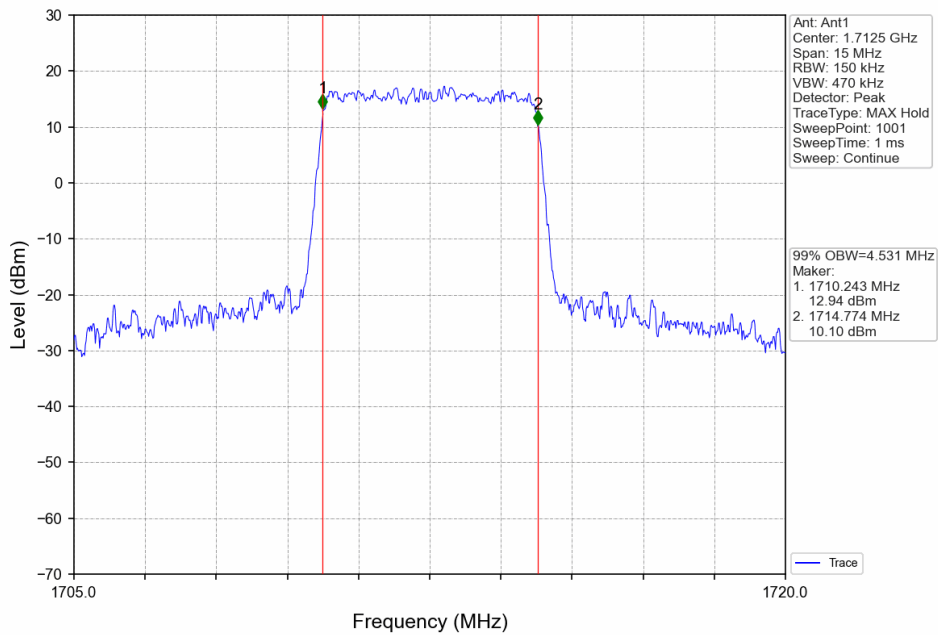




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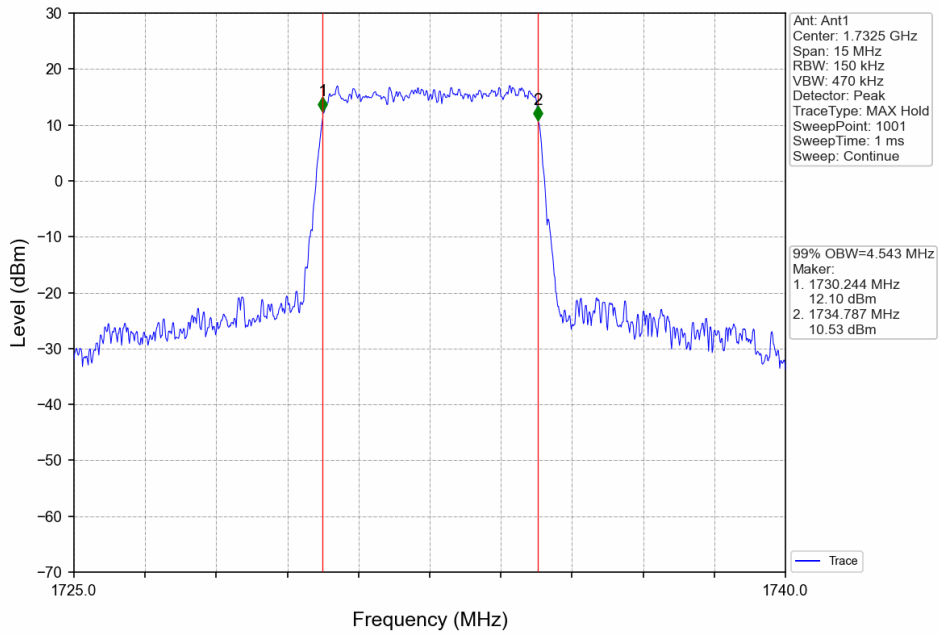


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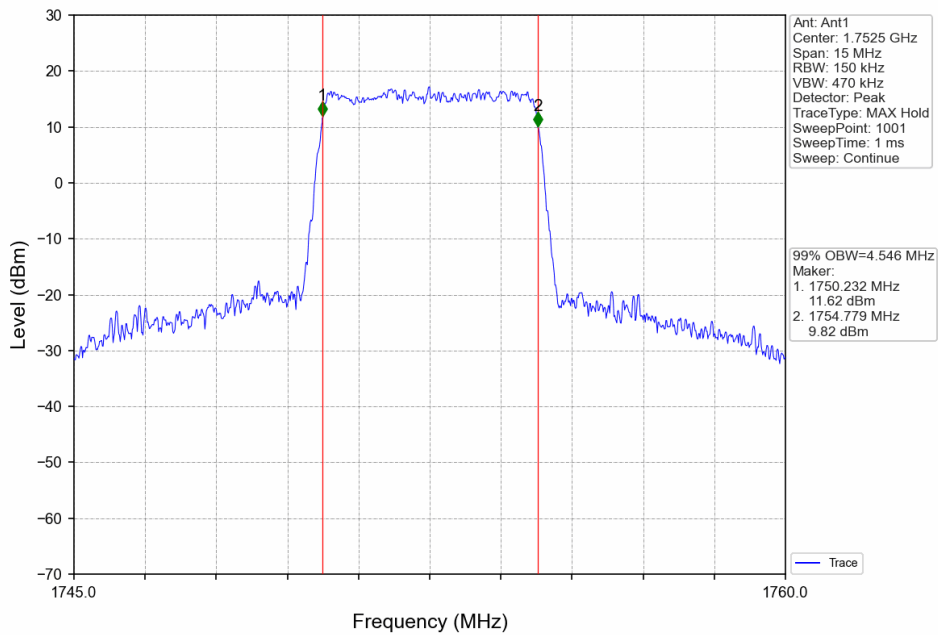




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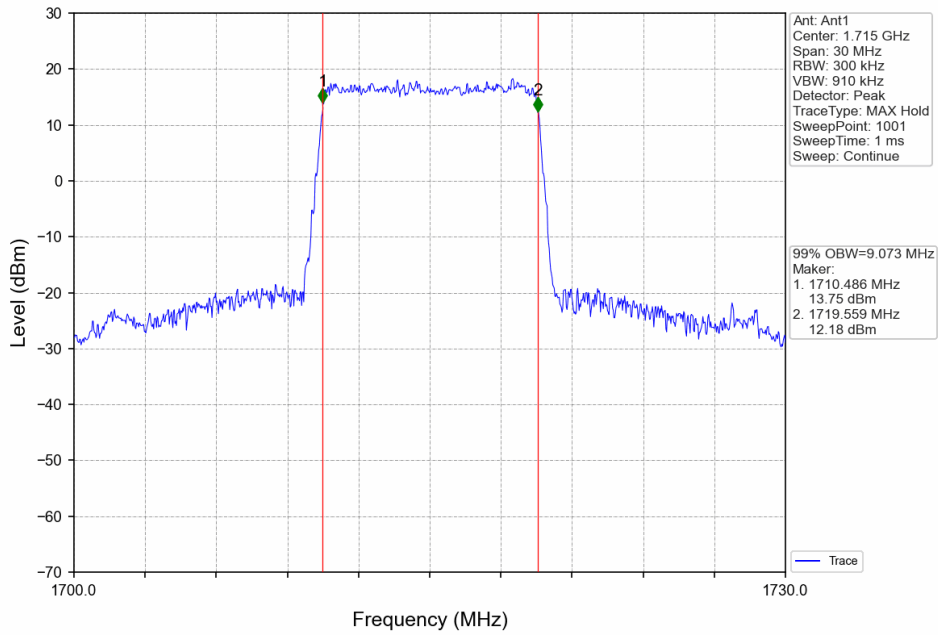


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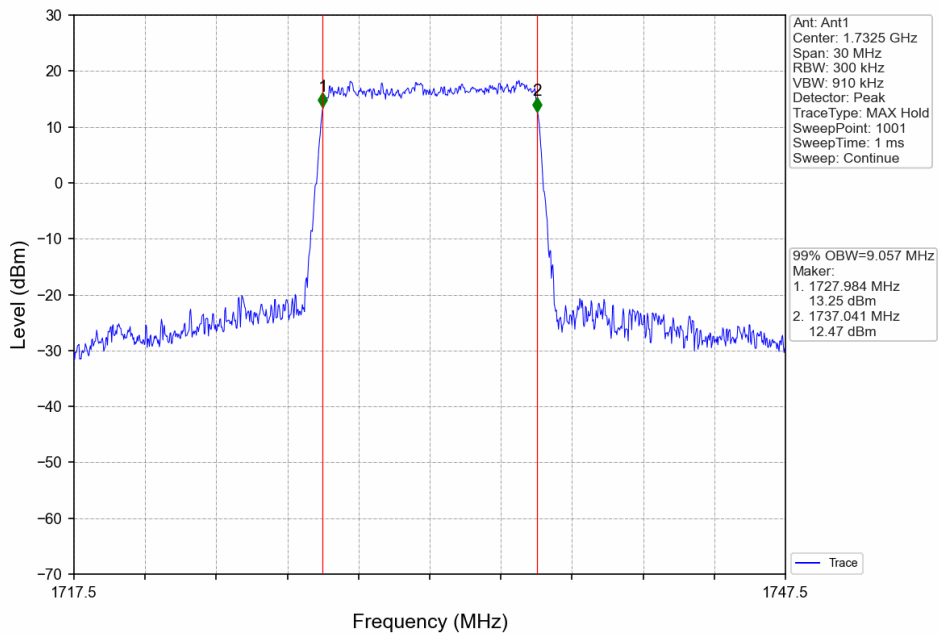




Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



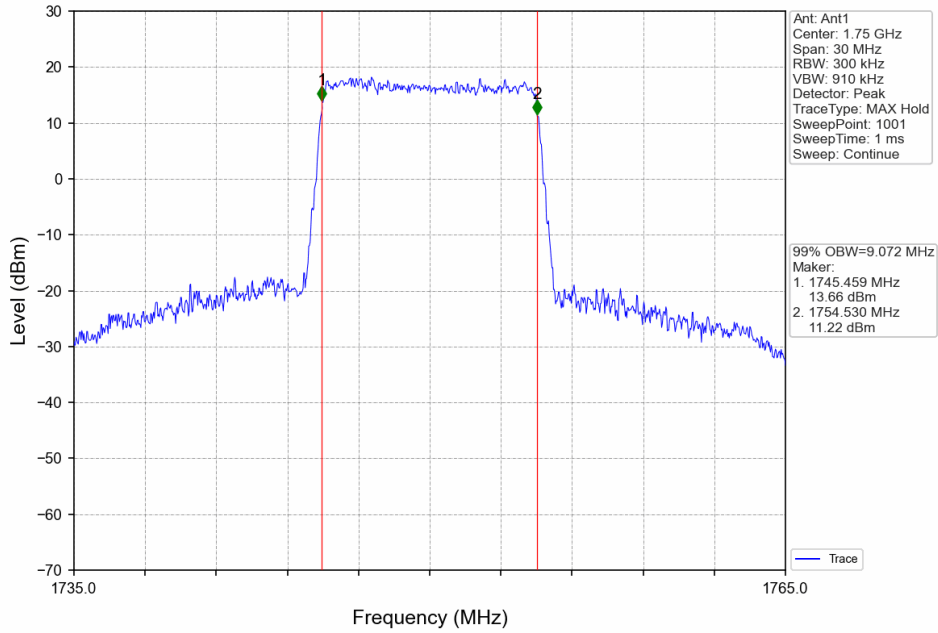
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



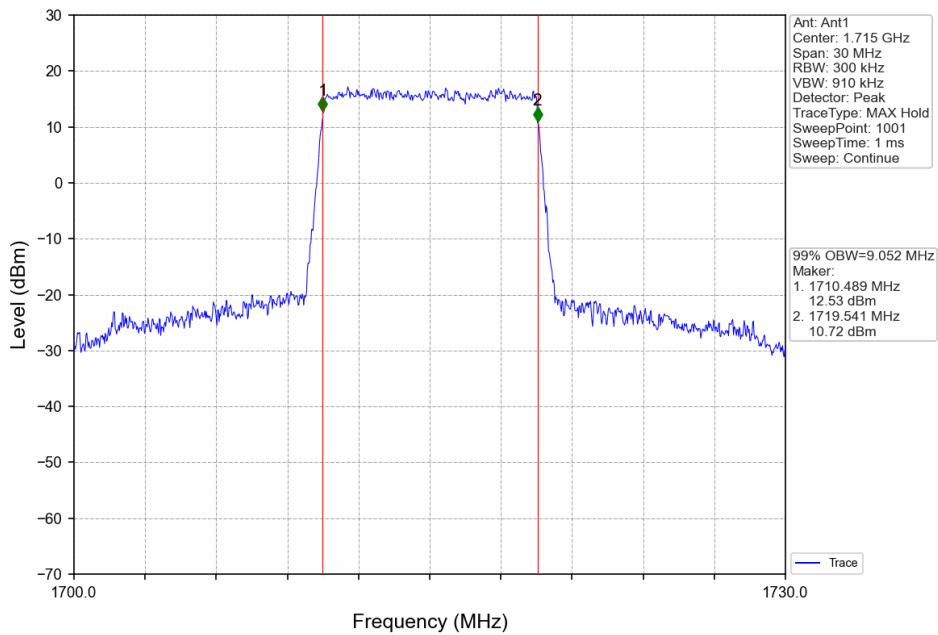




Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV

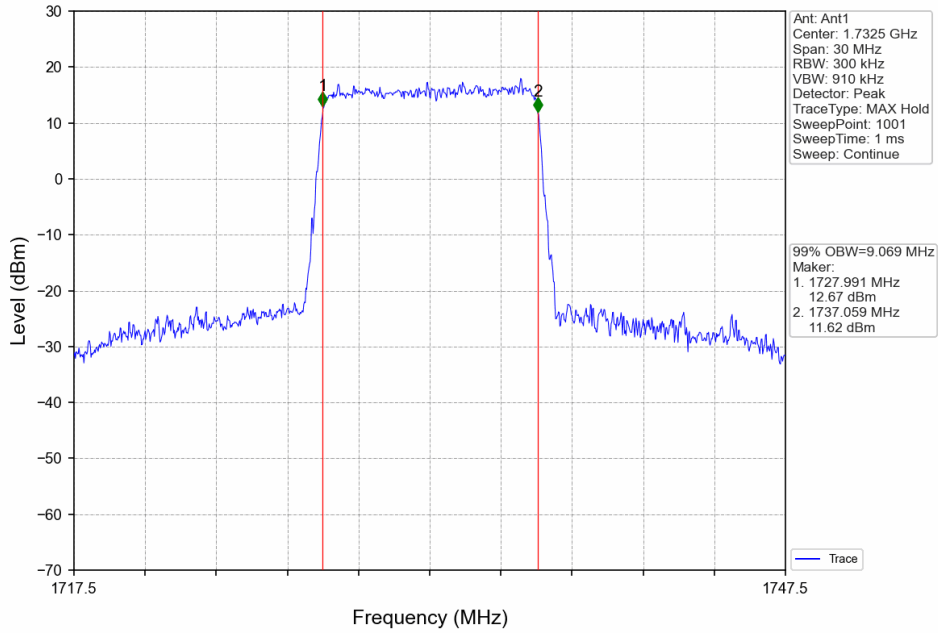


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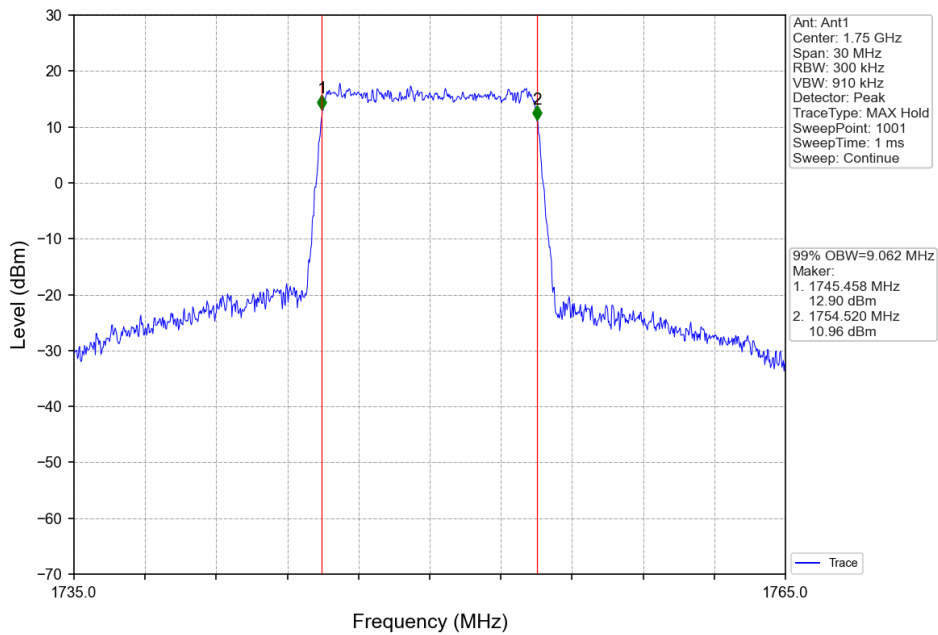




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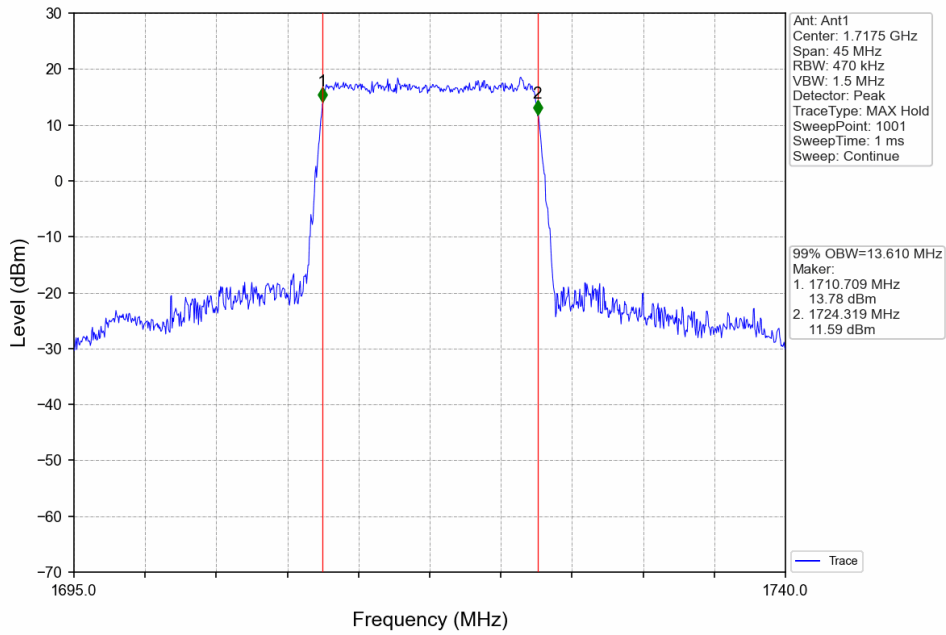


Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV

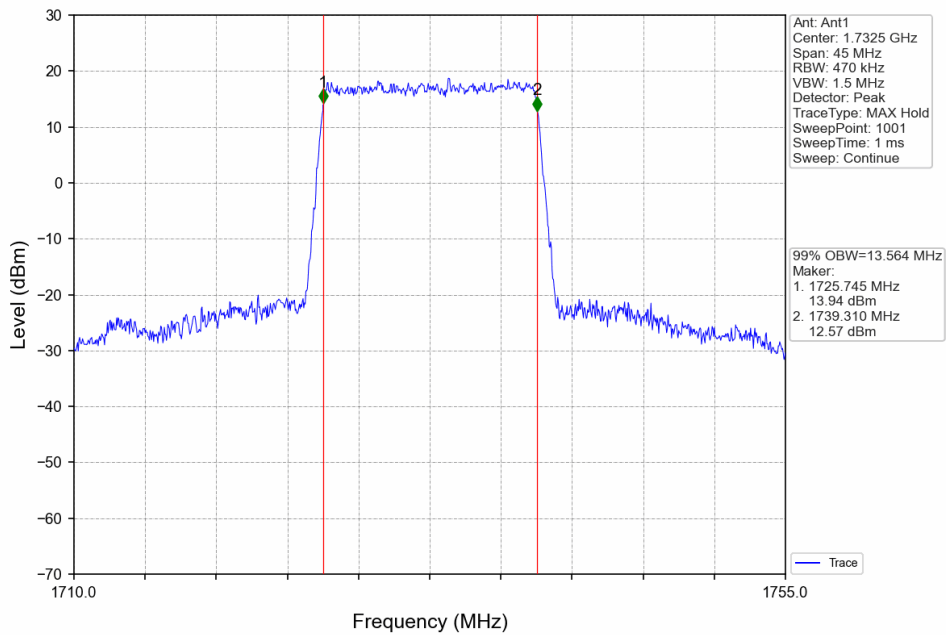




Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

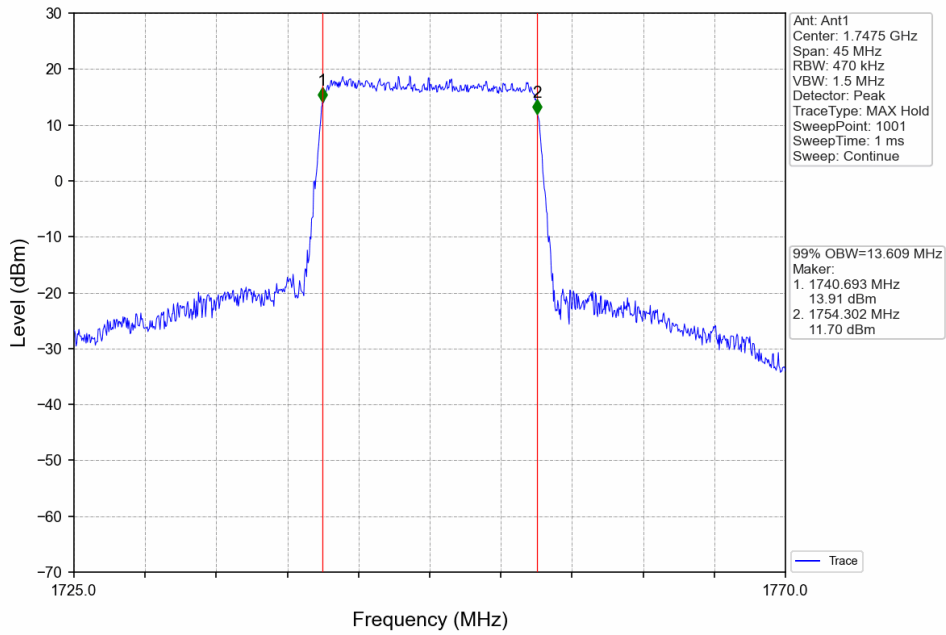


Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV





Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

