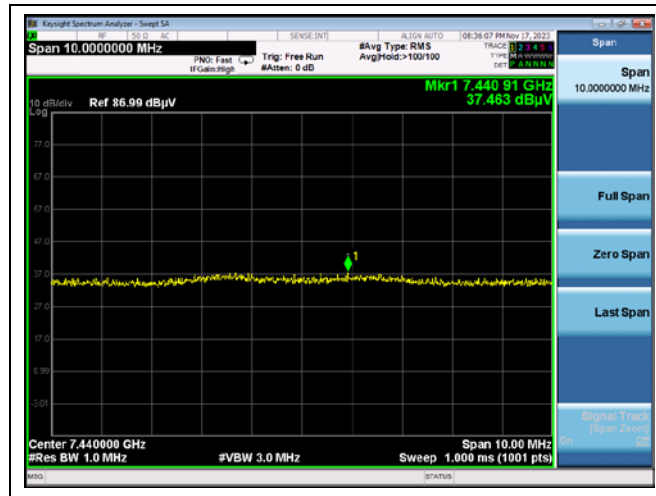


High channel 3rd Harmonic (Peak)

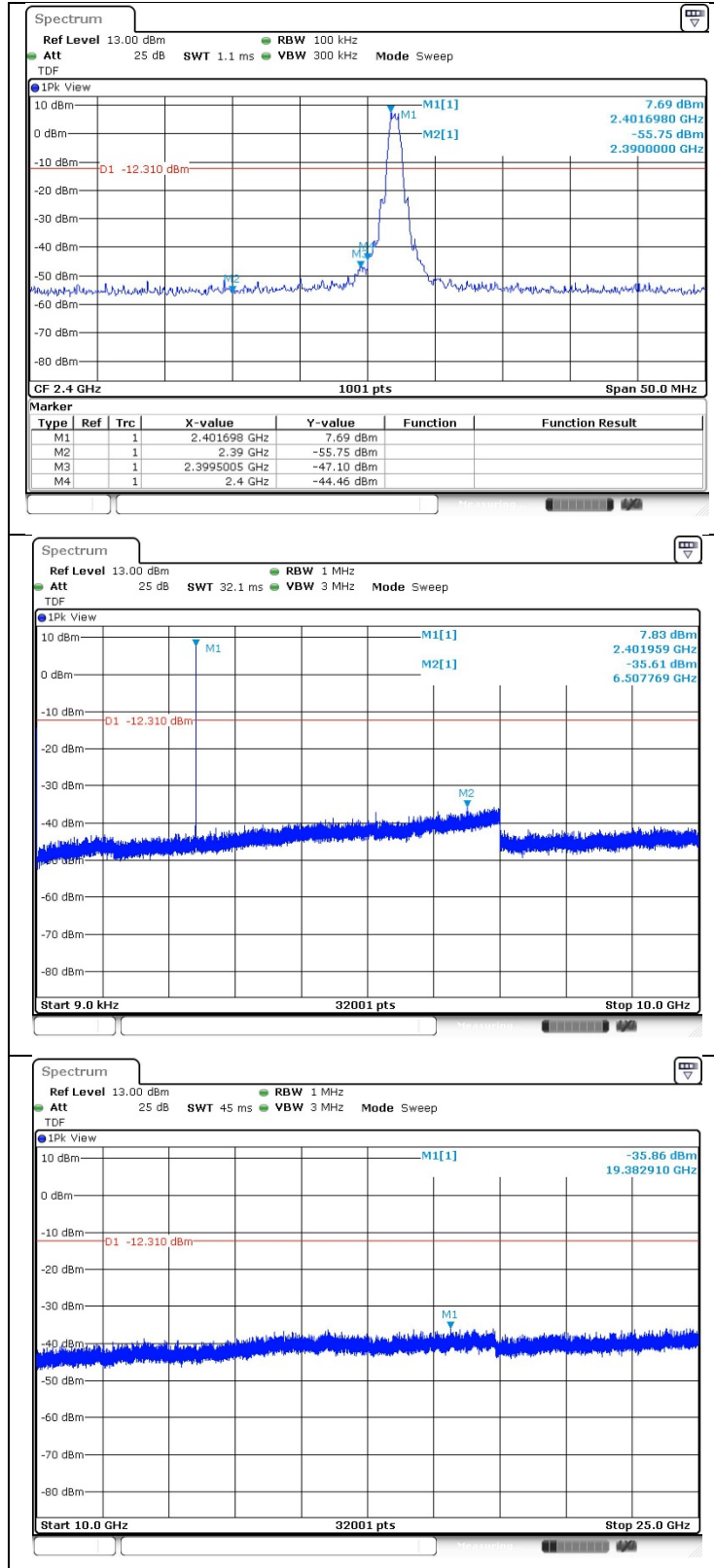


2.4.3. Plot of Conducted Spurious Emissions

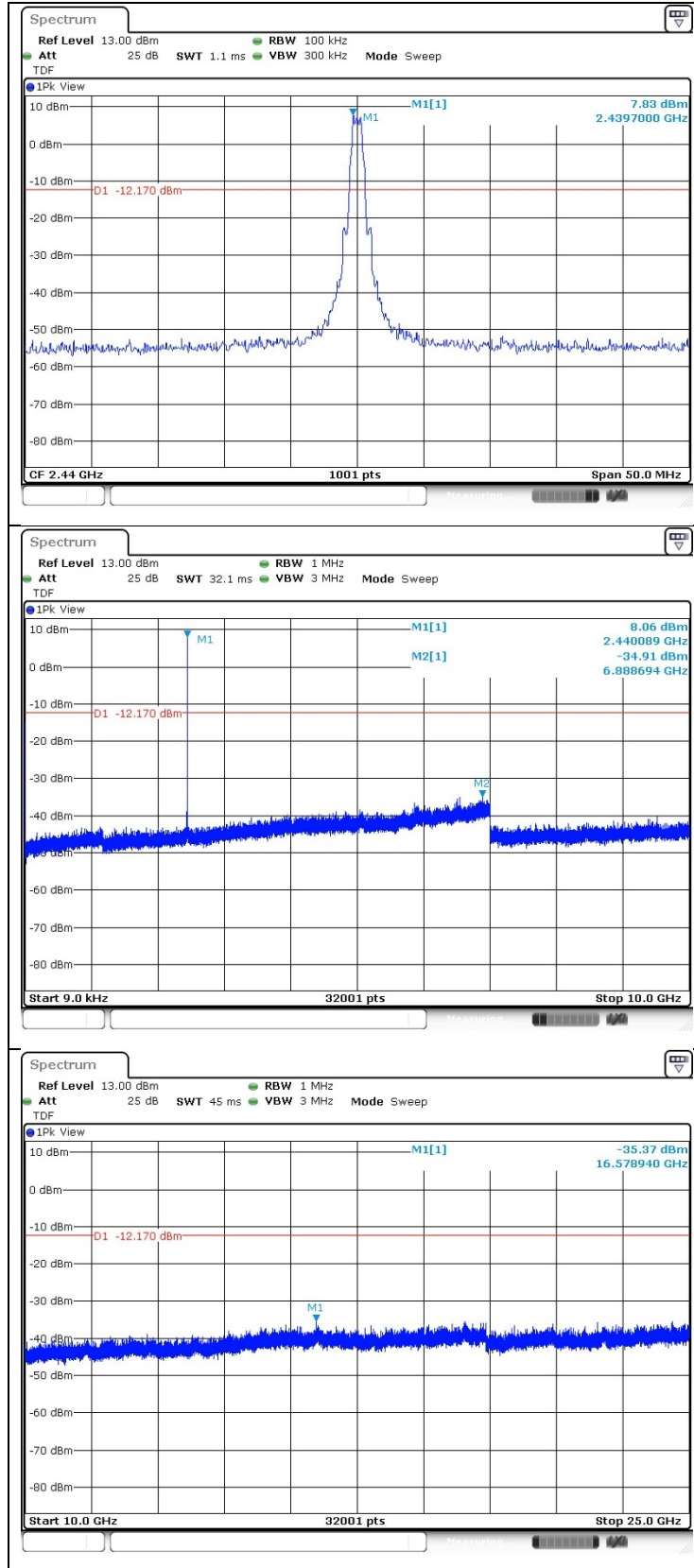
Right

Test mode: PHY 1M

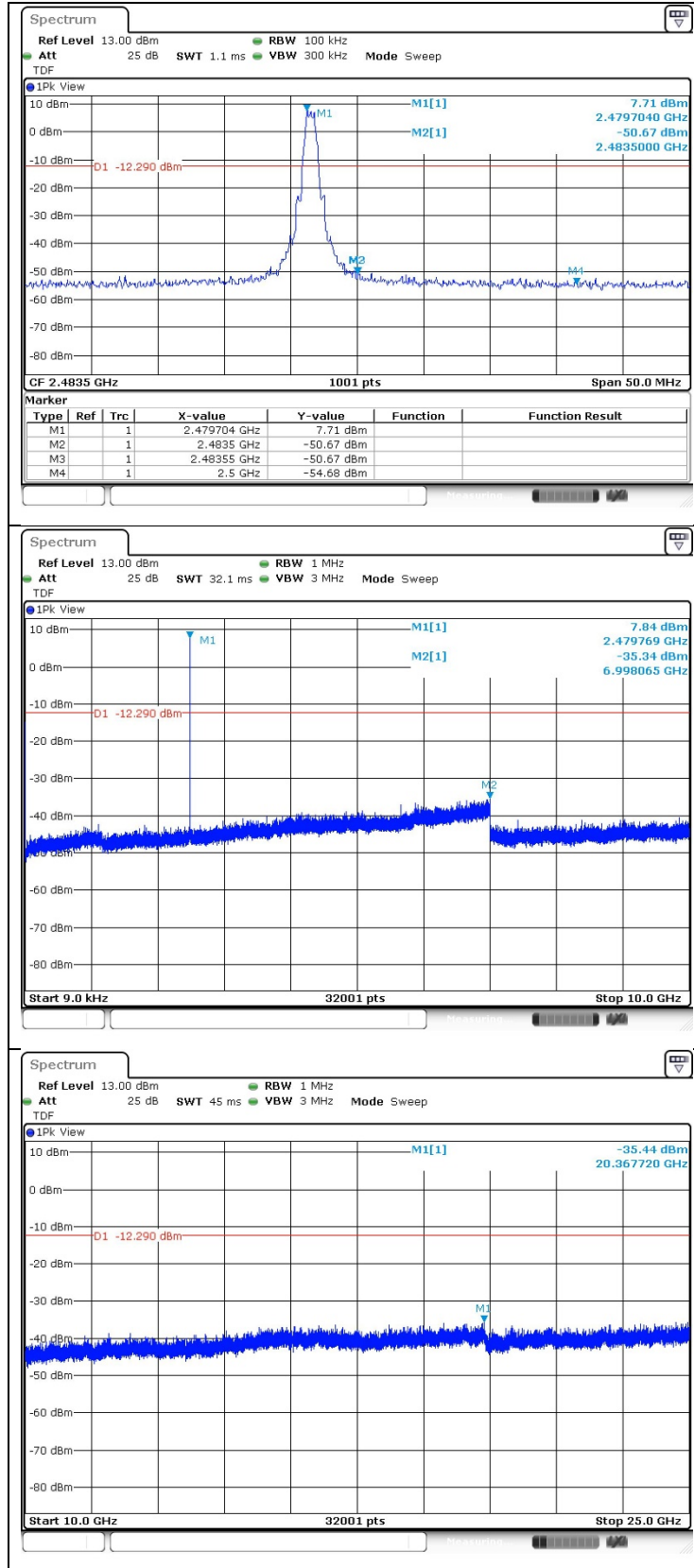
Low Channel



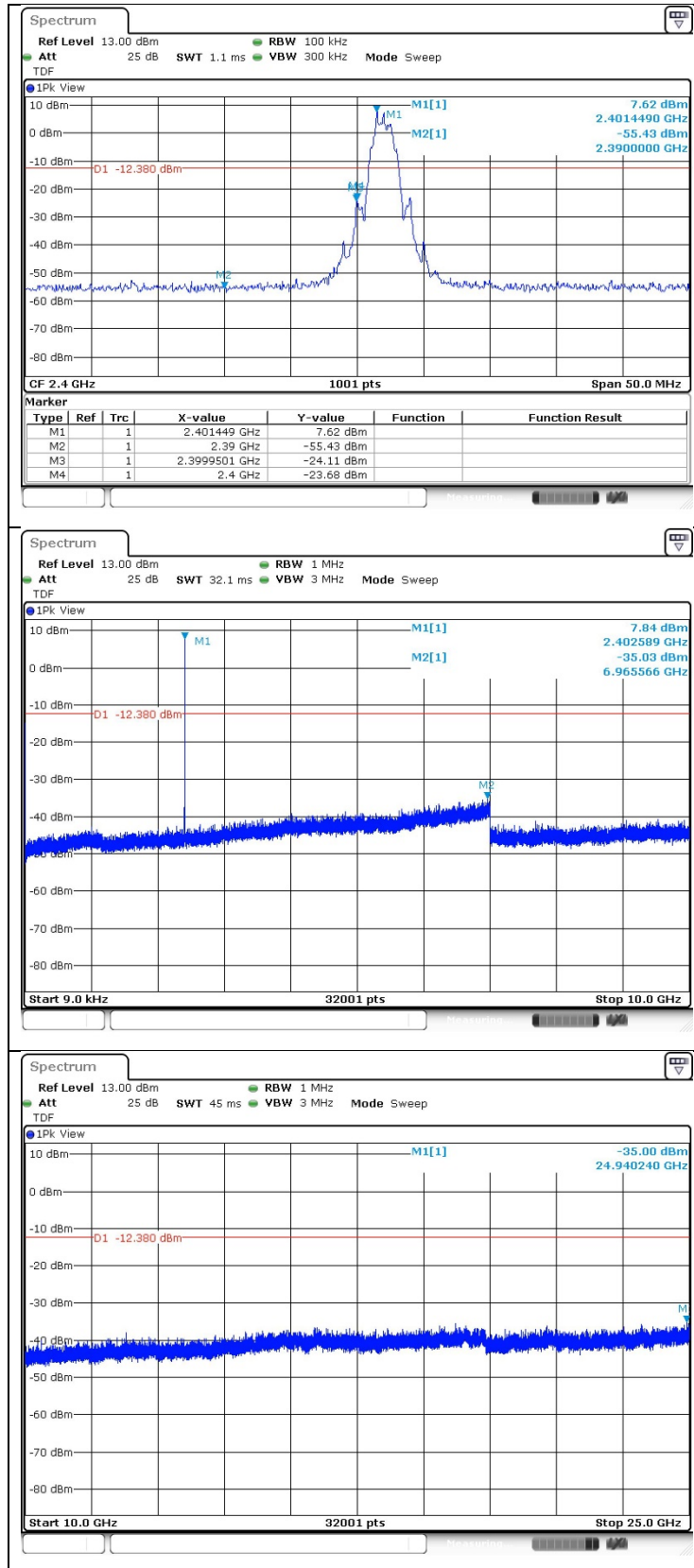
Middle Channel



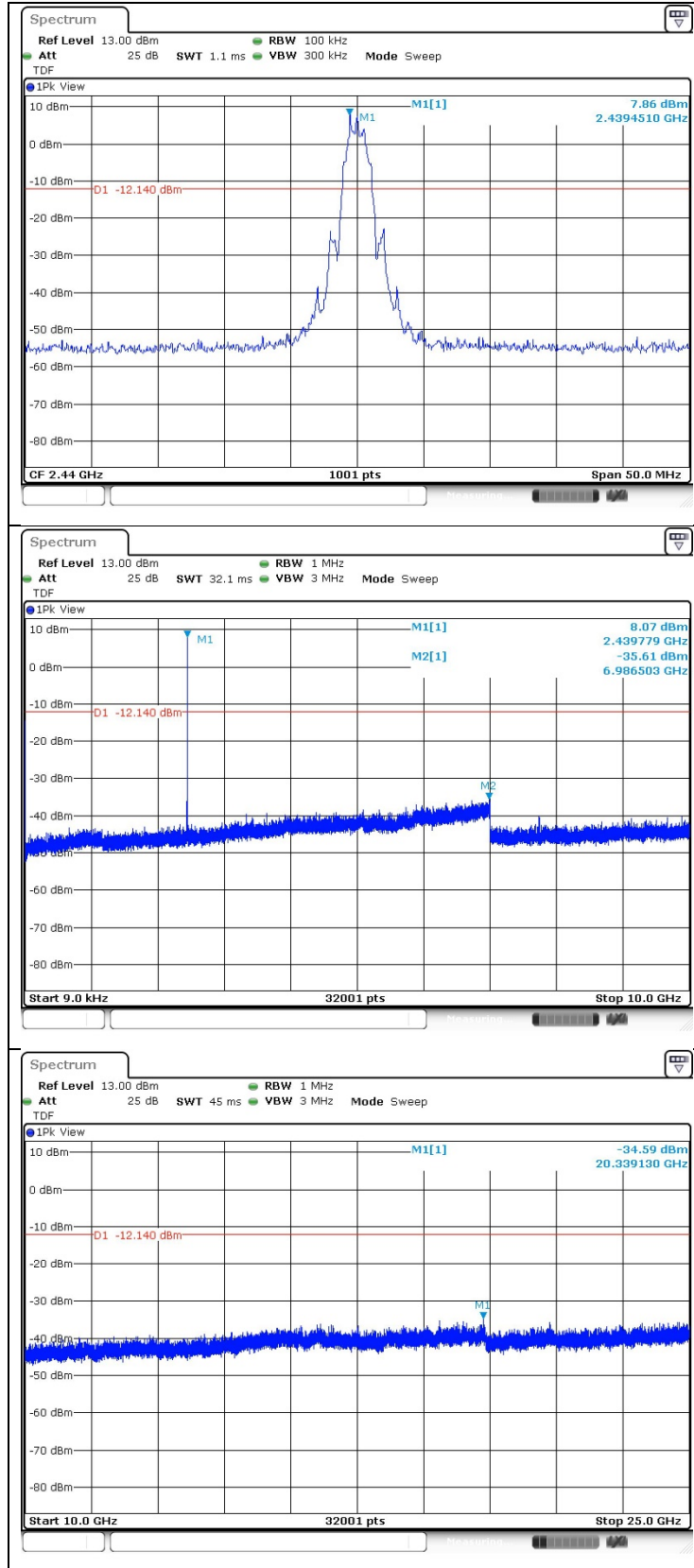
High Channel



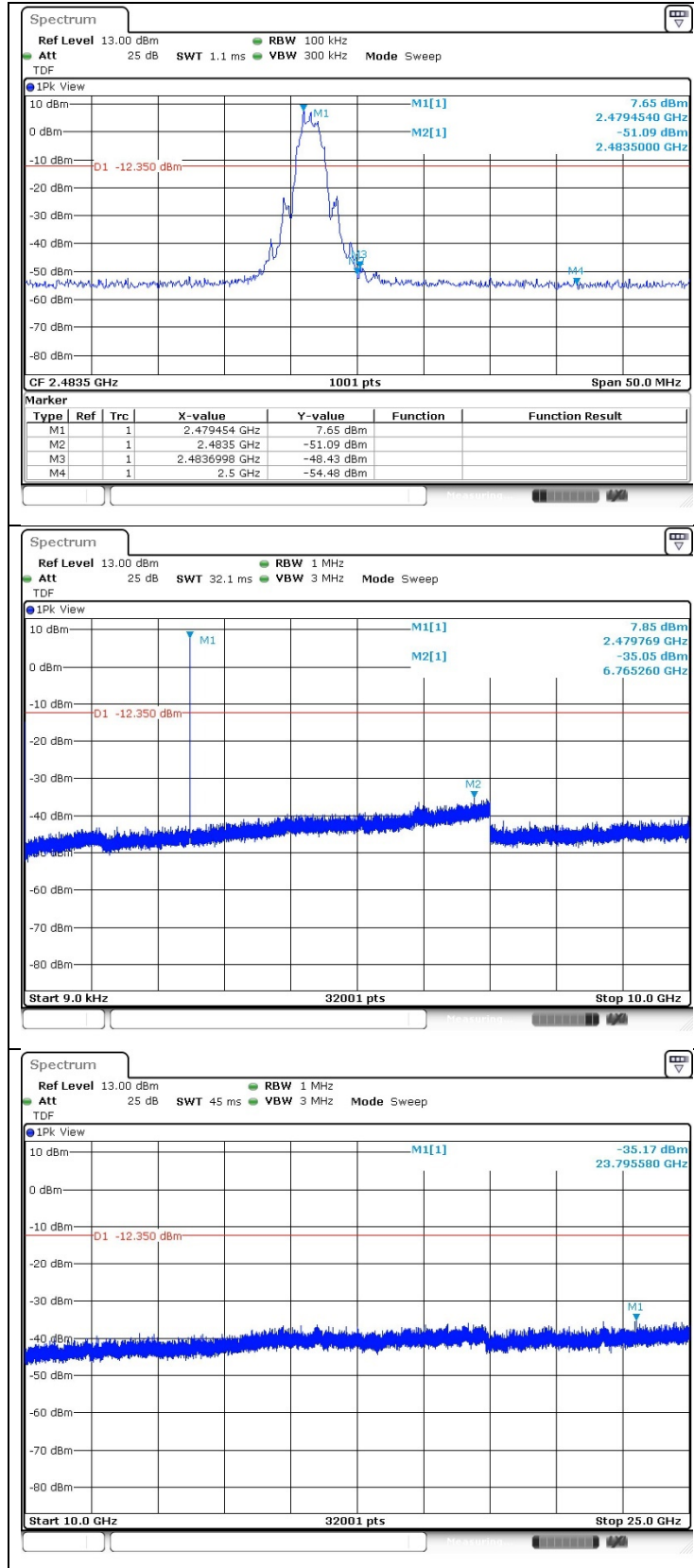
Test mode: PHY 2M
 Low Channel



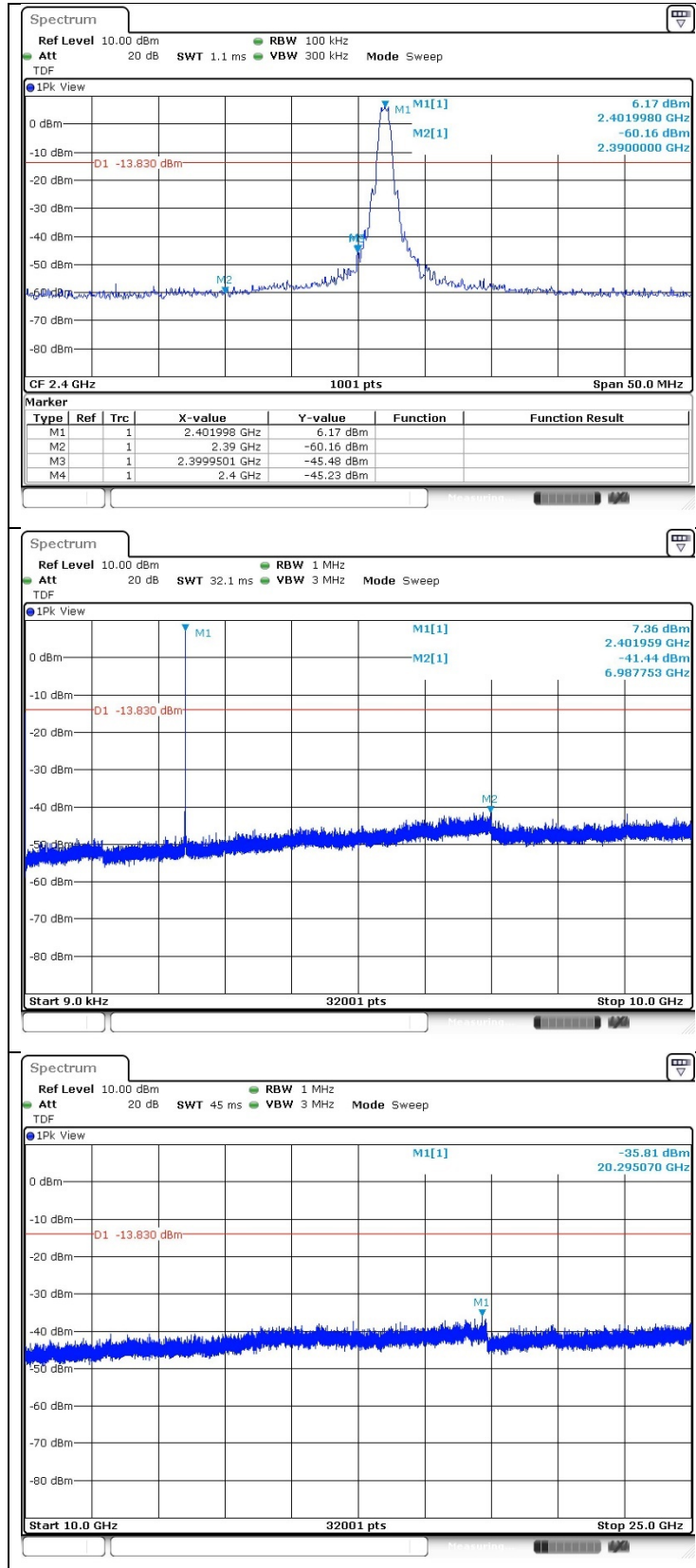
Middle Channel



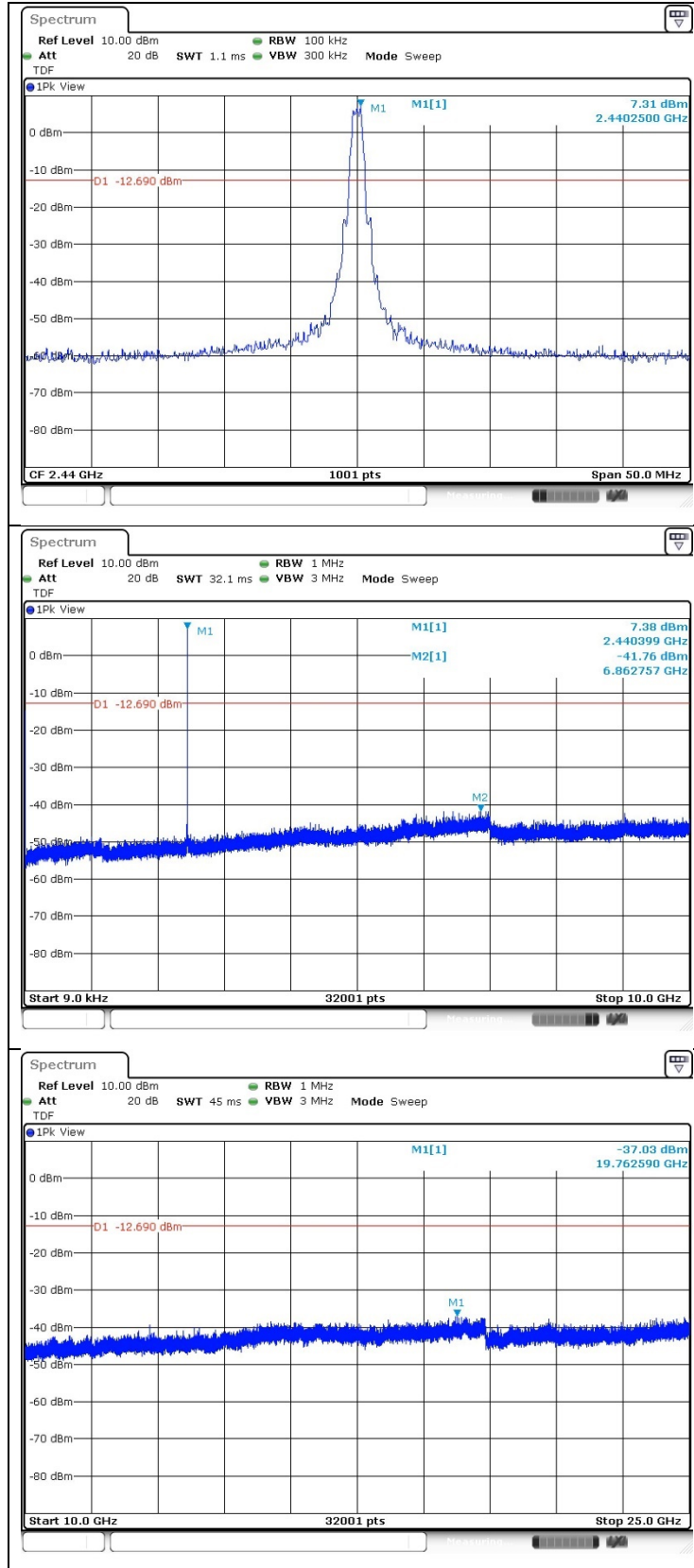
High Channel



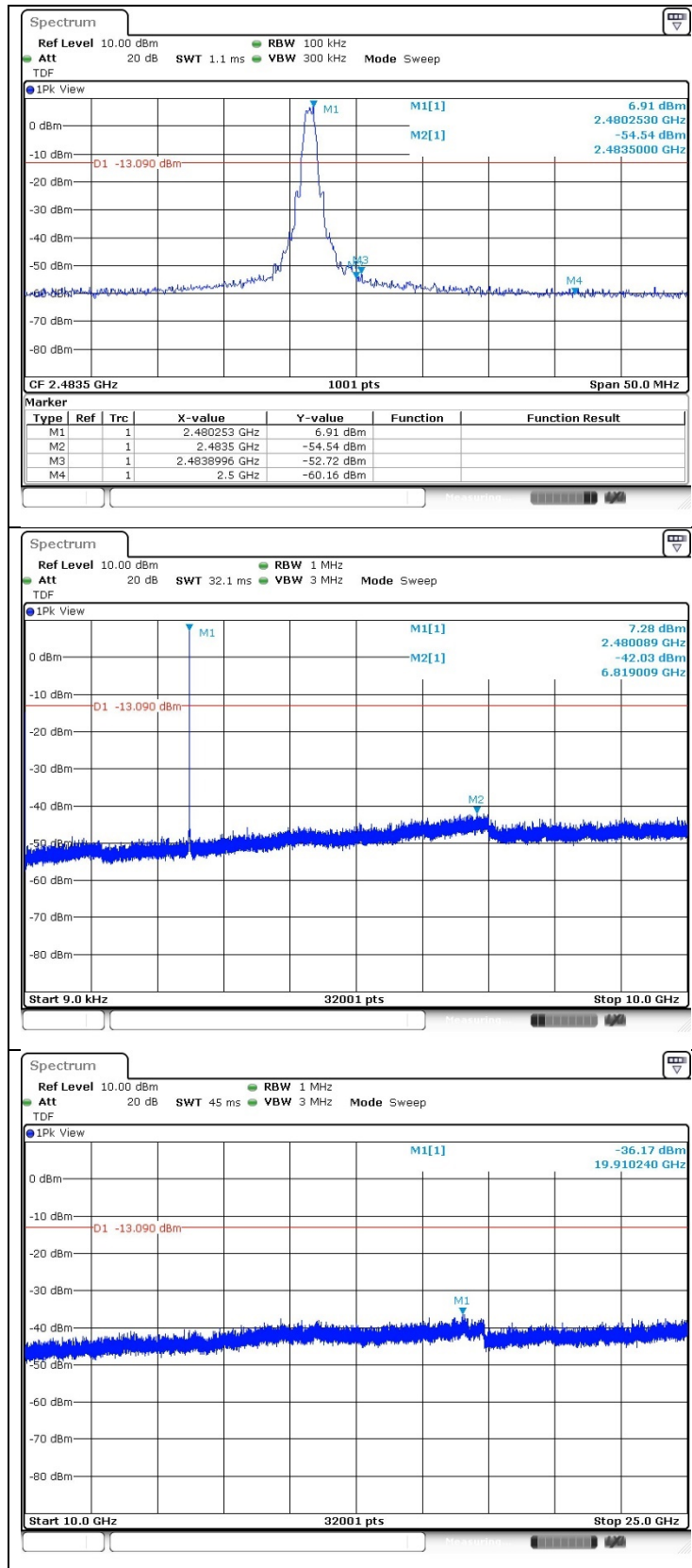
Left
 Test mode: PHY 1M
 Low Channel



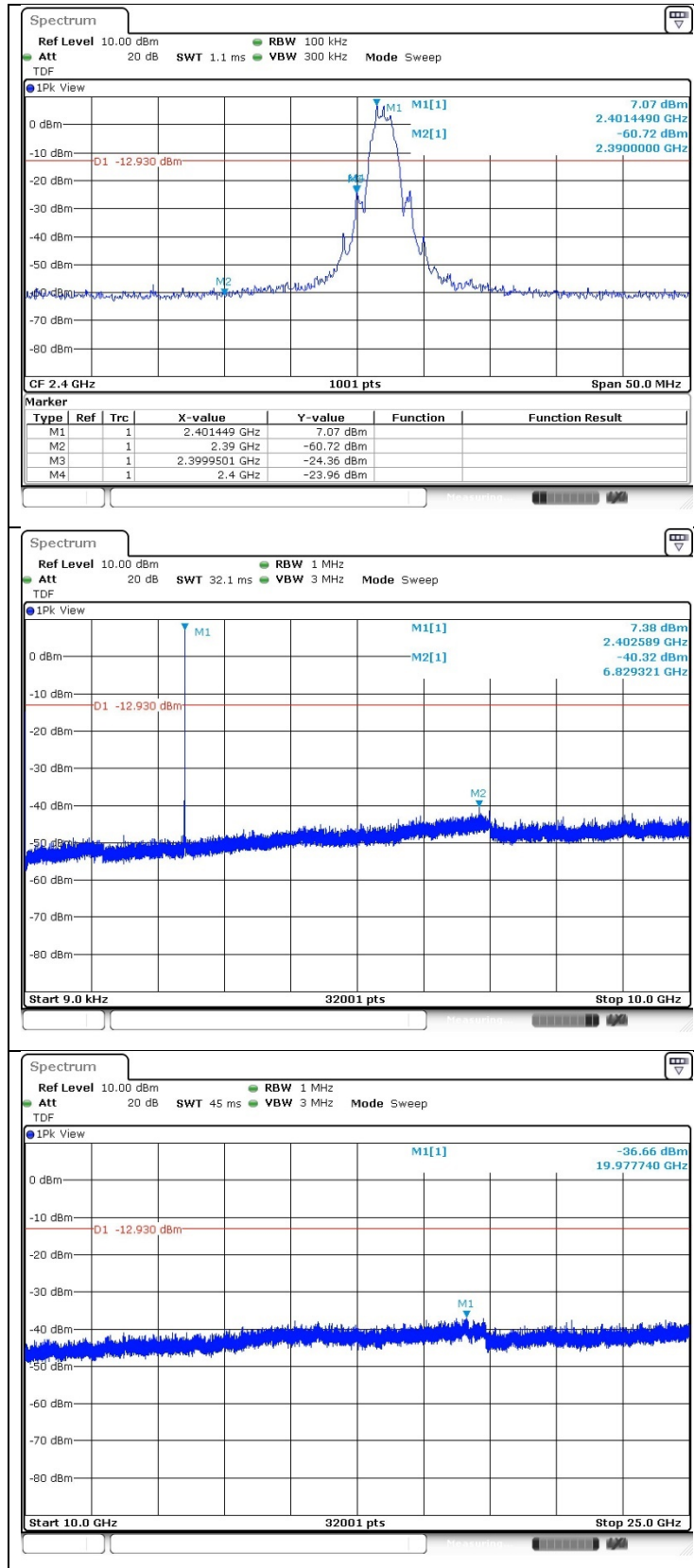
Middle Channel



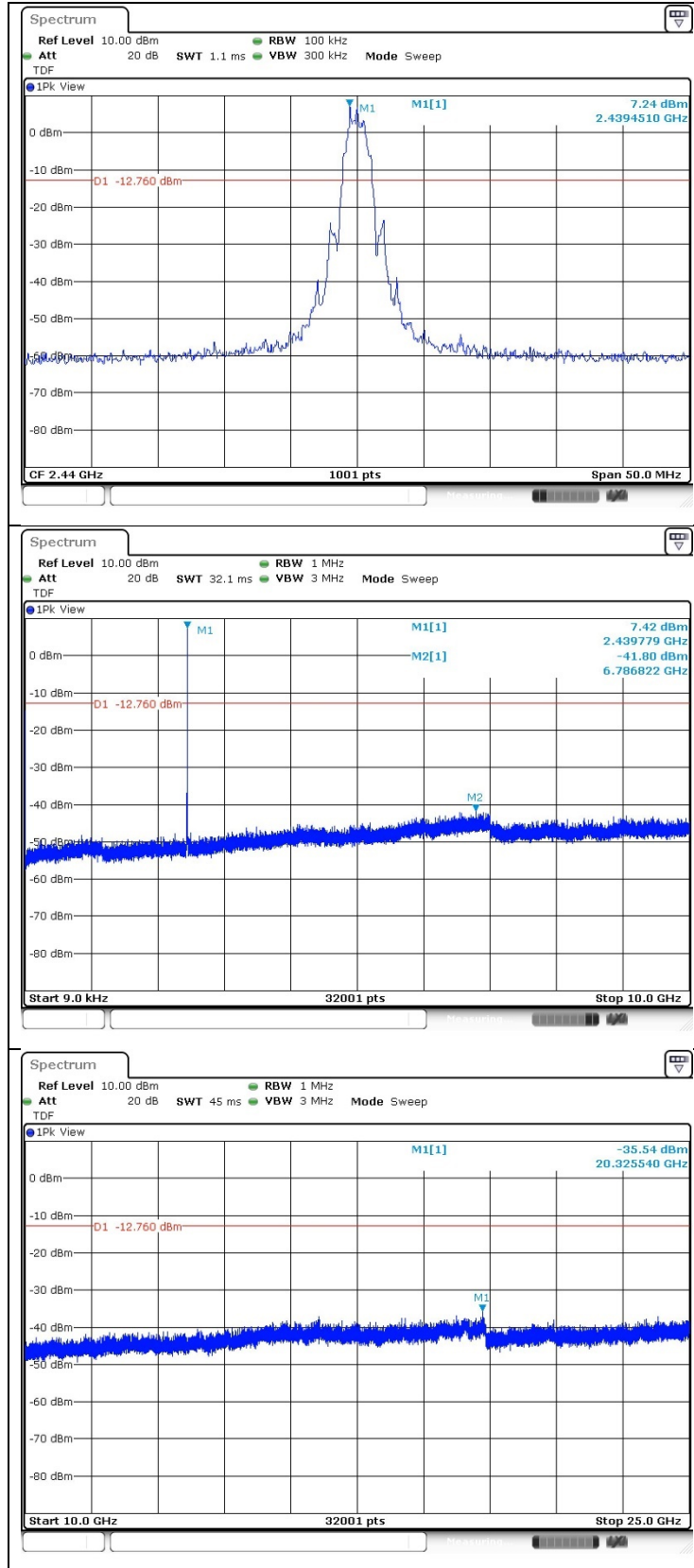
High Channel



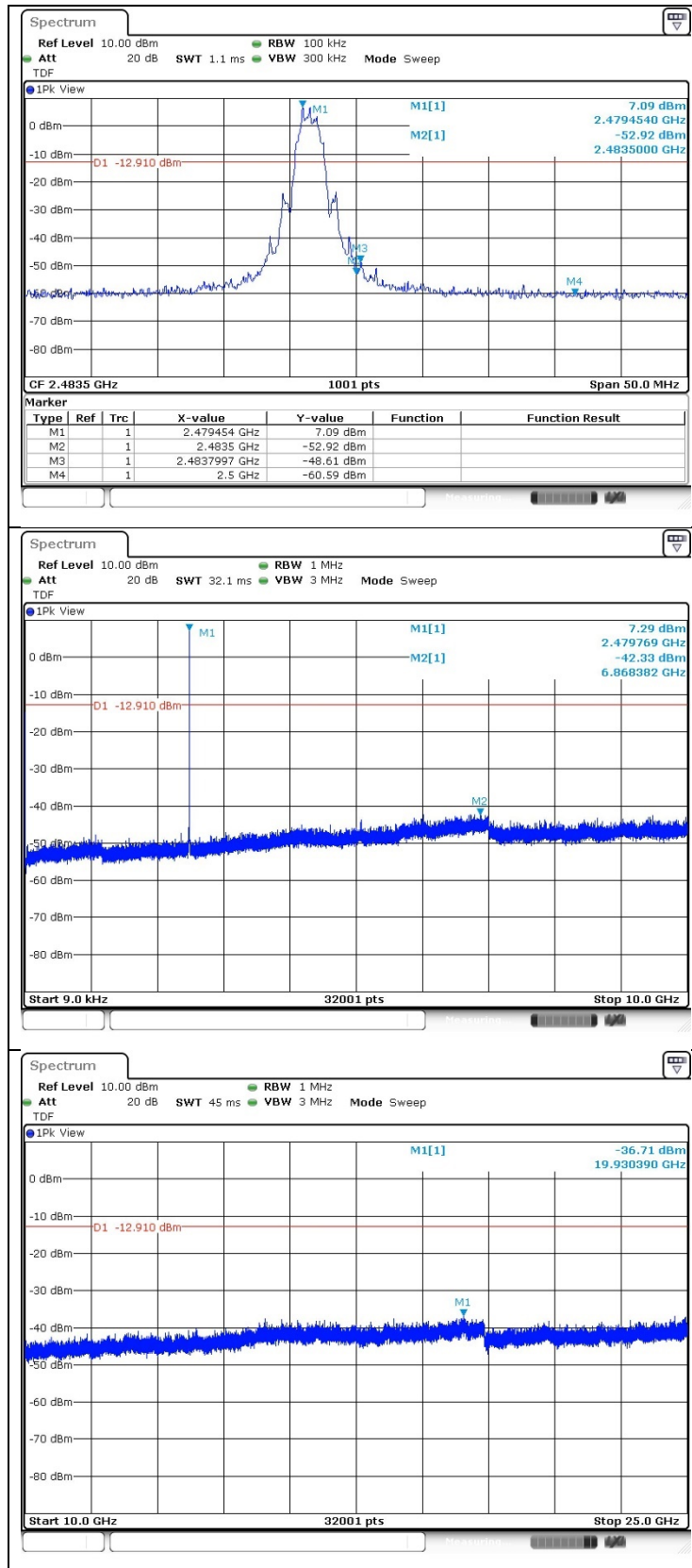
Test mode: PHY 2M
 Low Channel



Middle Channel



High Channel



3. 6 dB Bandwidth

3.1. Test Setup



3.2. Limit

According to §15.247(a)(2), systems using digital modulation techniques may operate in the 902-928 MHz, 2 400-2 483.5 MHz, and 5 725-5 850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

3.3. Test Procedure

The test follows section 11.8 DTS bandwidth of ANSI C63.10-2013.

Tests performed using section 11.8.1 Option 1.

- Option 1:

1. Set RBW to = 100 kHz.
2. Set the VBW \geq [3 x RBW].
3. Detector = peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.4. Test Results

Ambient temperature : (23 ± 1) °C
 Relative humidity : 47 % R.H.

Right

Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Bandwidth (kHz)
PHY 1M	Low	2 402	0.749	500
	Middle	2 440	0.739	
	High	2 480	0.739	
PHY 2M	Low	2 402	1.239	
	Middle	2 440	1.239	
	High	2 480	1.239	

Left

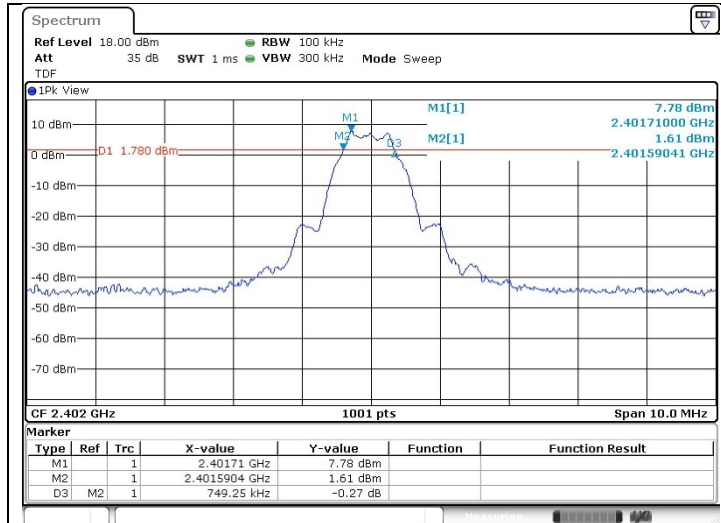
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Bandwidth (kHz)
PHY 1M	Low	2 402	0.769	500
	Middle	2 440	0.749	
	High	2 480	0.769	
PHY 2M	Low	2 402	1.239	
	Middle	2 440	1.229	
	High	2 480	1.249	

- Test plots

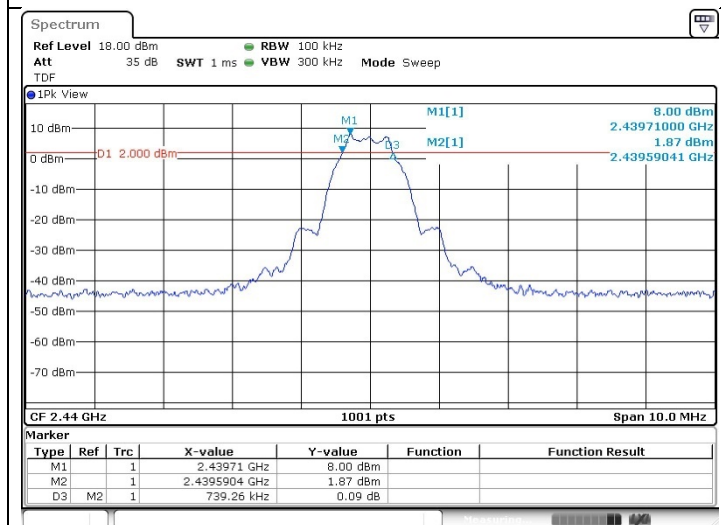
Right

Test mode: PHY 1M

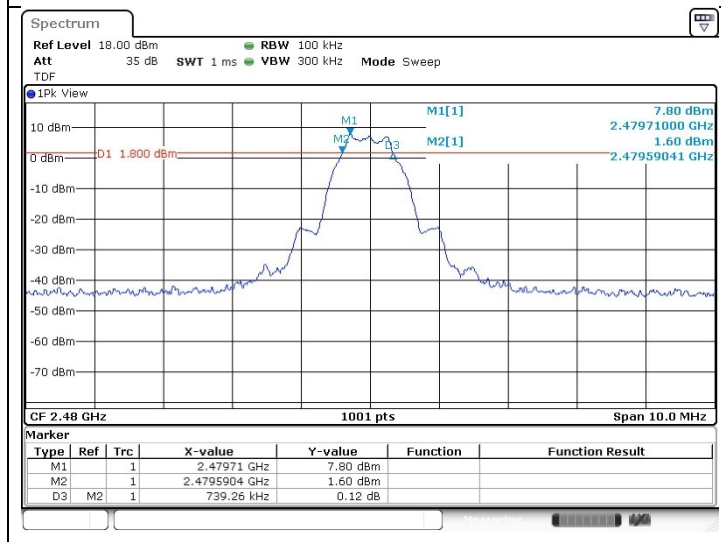
Low Channel



Middle Channel

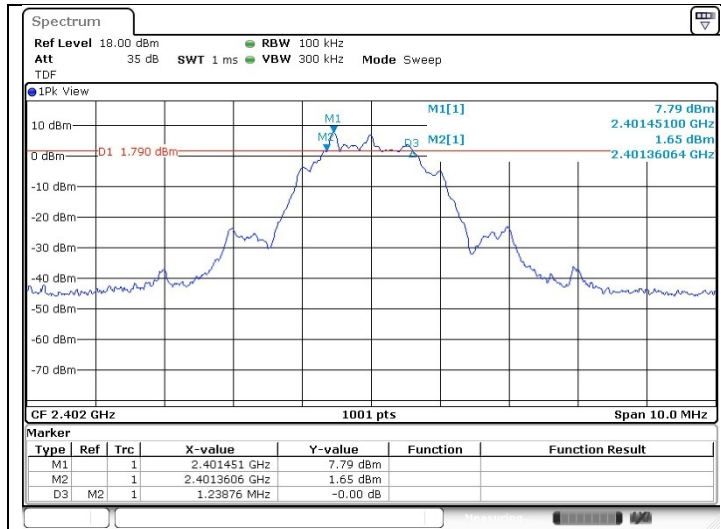


High Channel

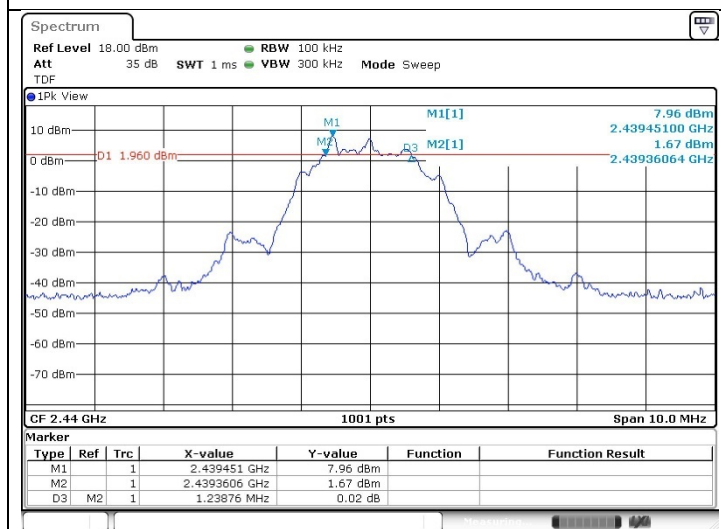


Test mode: PHY 2M

Low Channel



Middle Channel



High Channel

