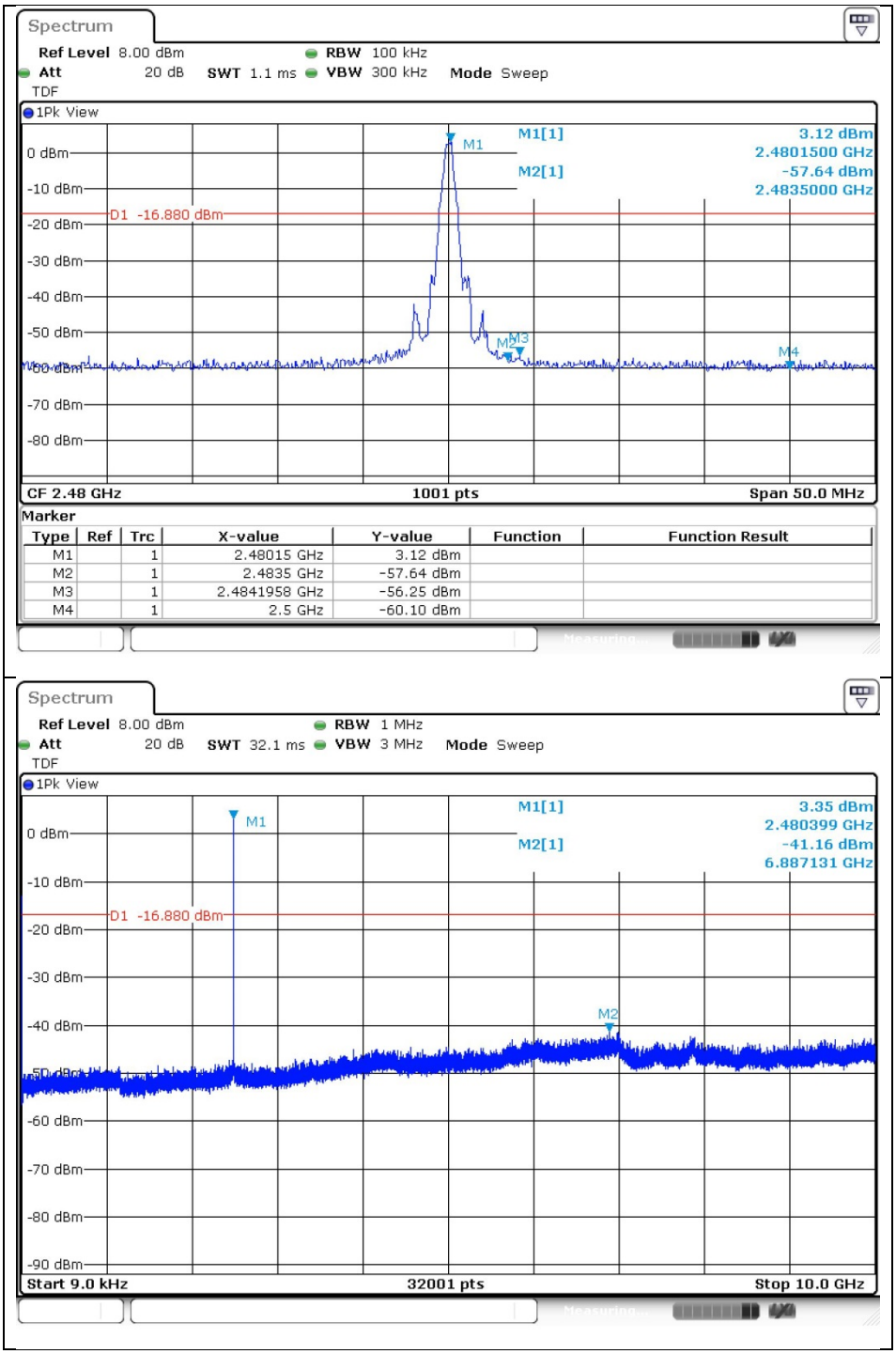
High channel



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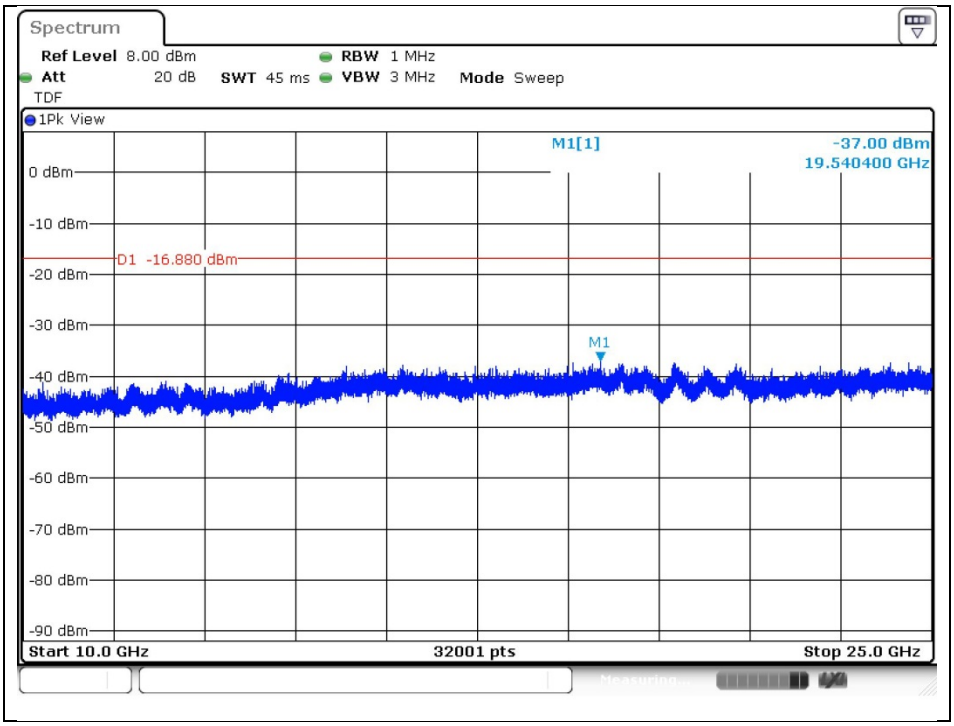

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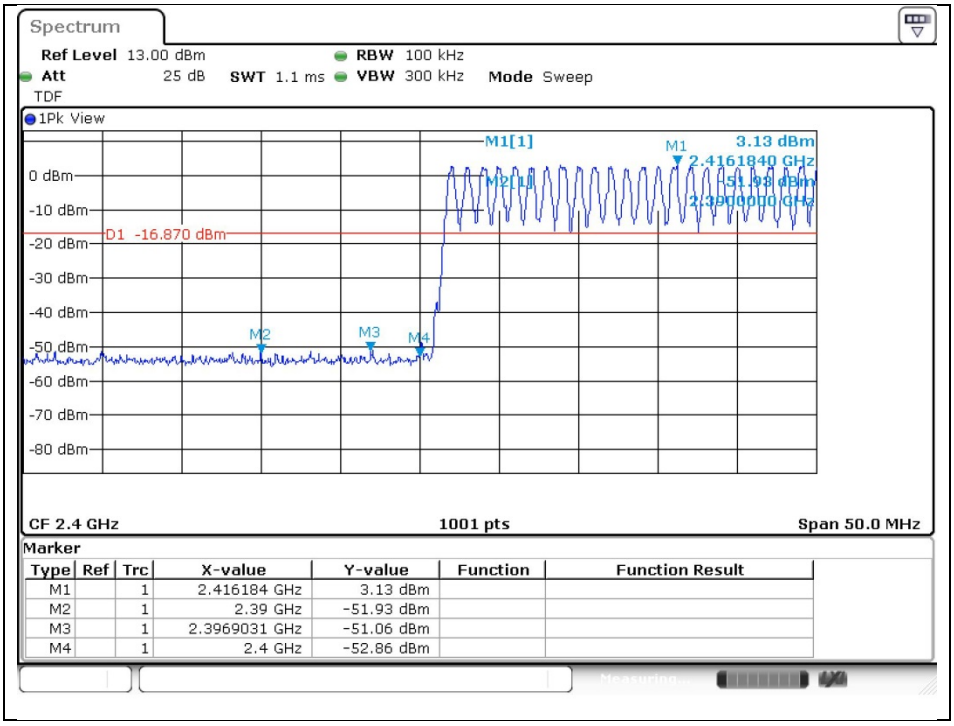
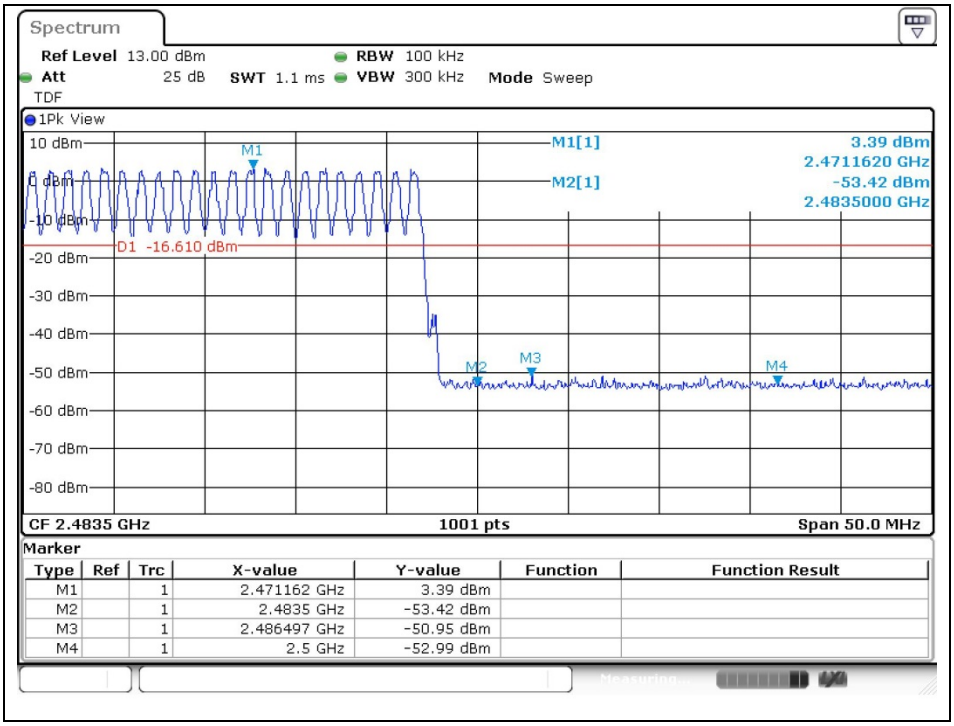
Band edge compliance with hopping enabled

Low channel



High channel



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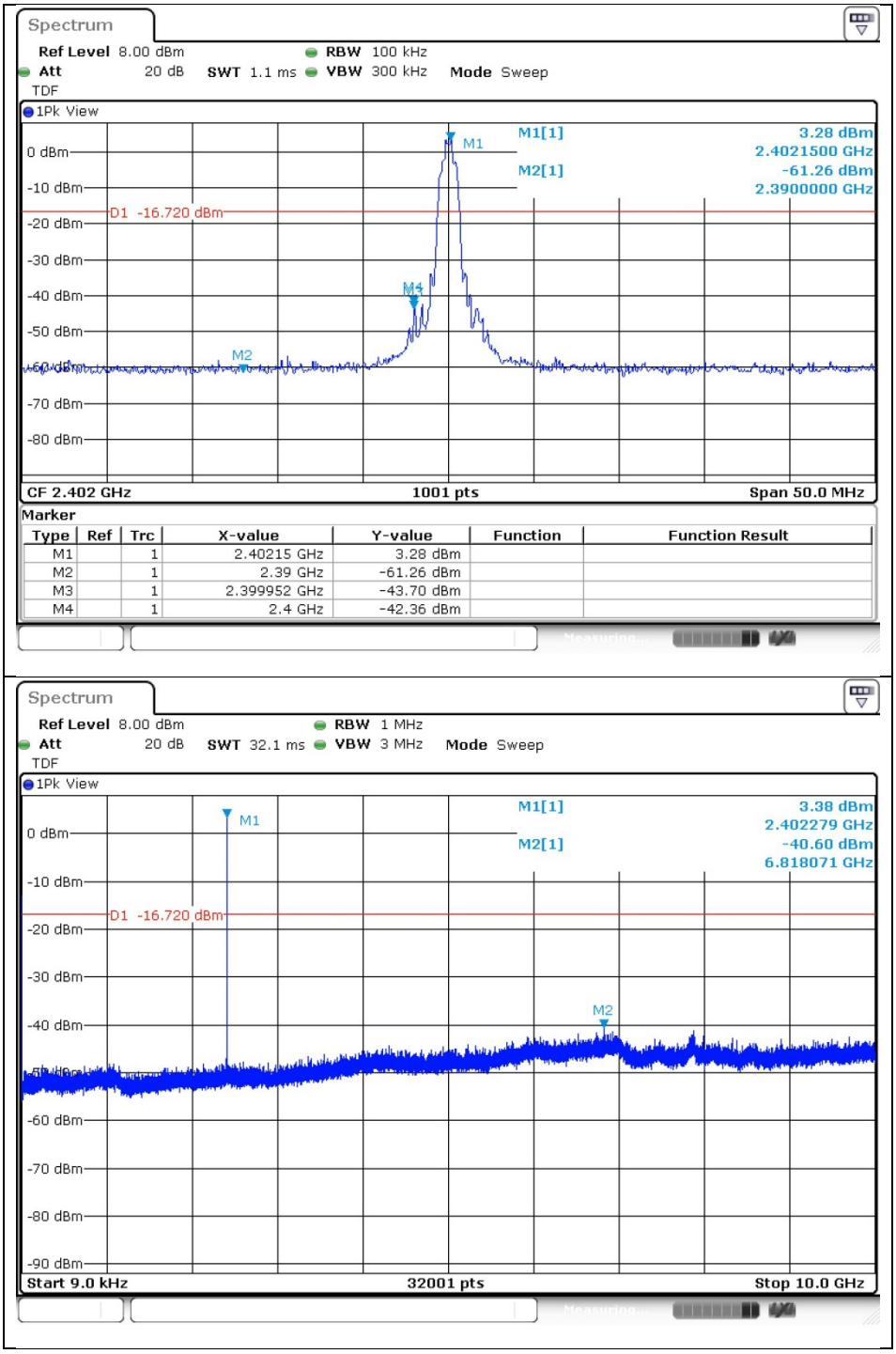
Operating Mode: 8DPSK (3 Mbps)

Low channel



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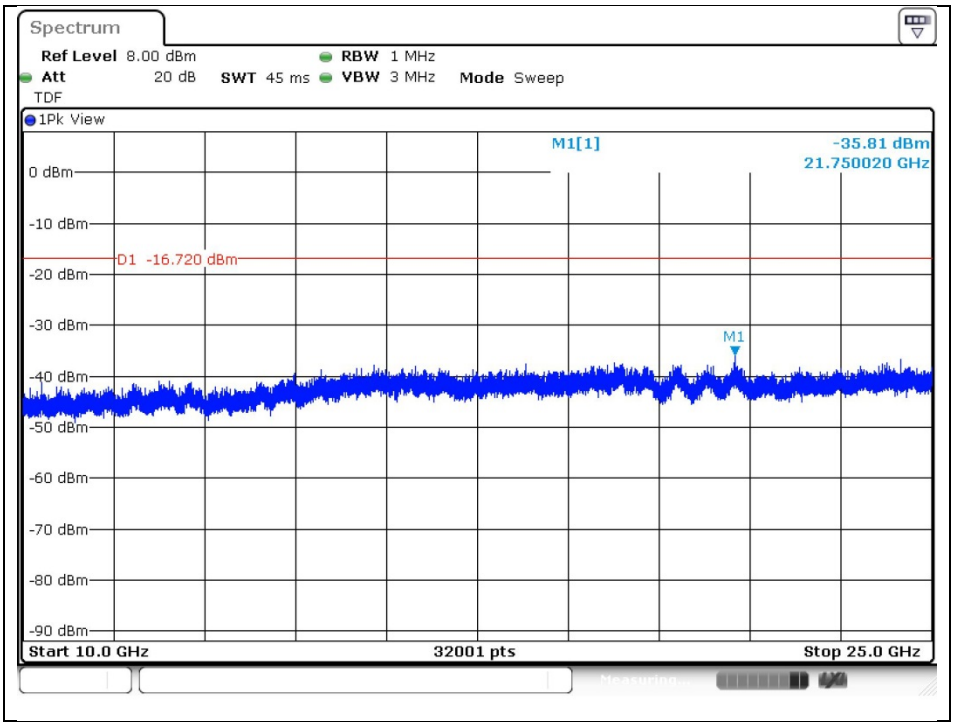

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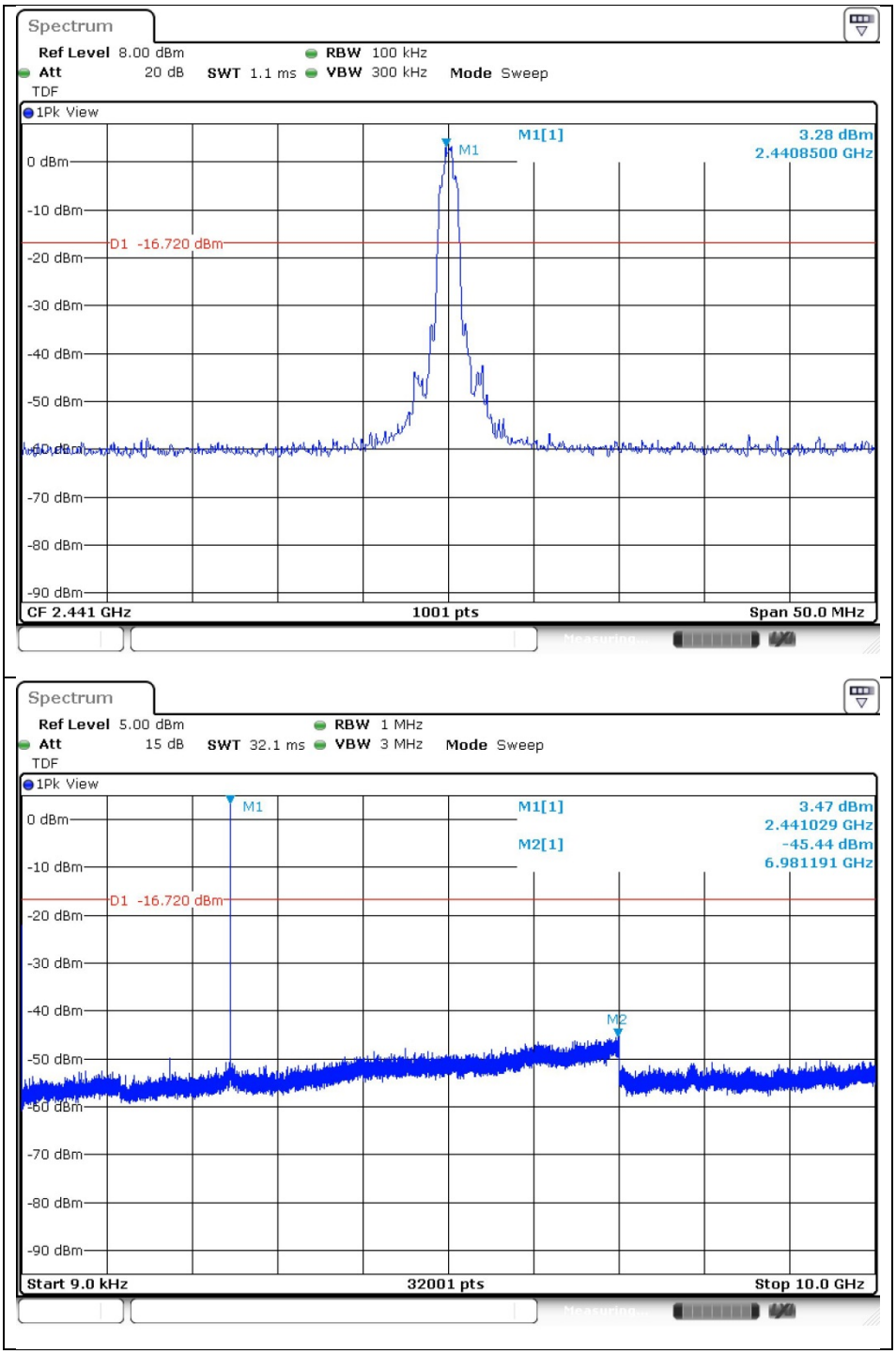
Middle channel



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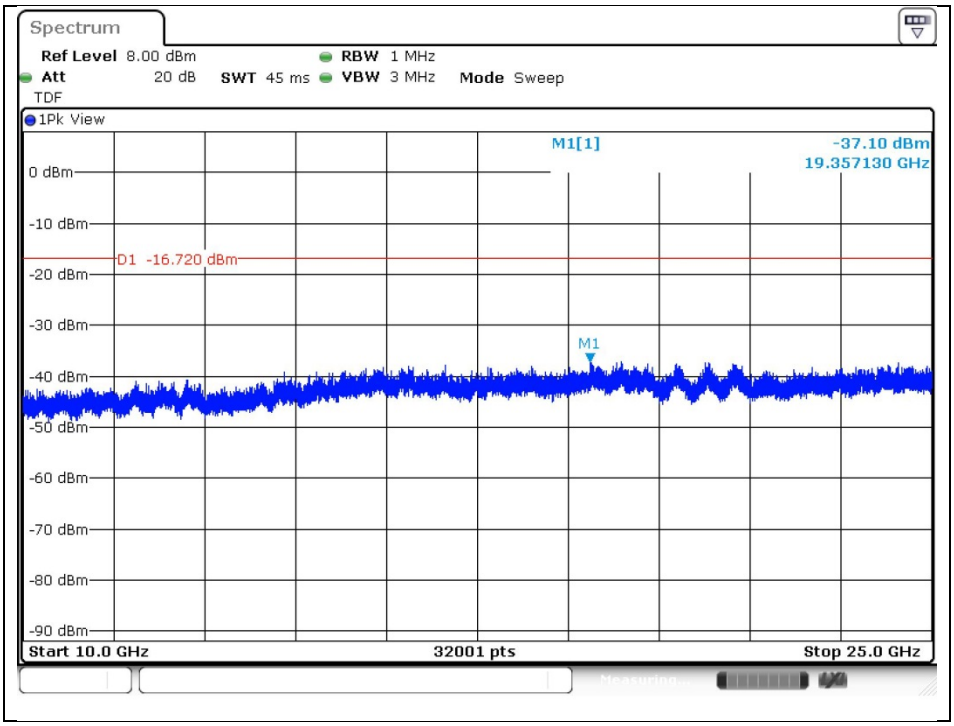

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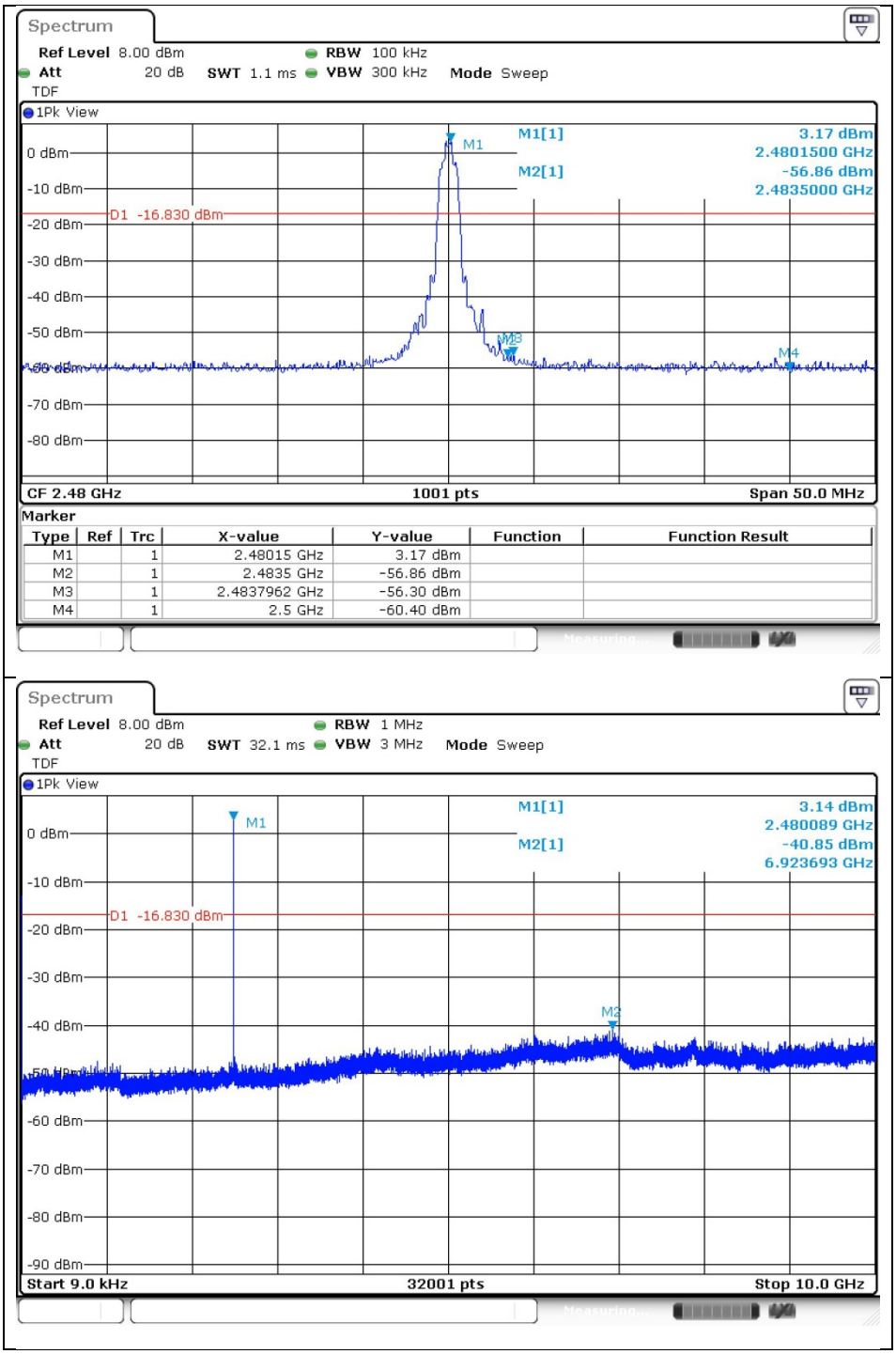
High channel



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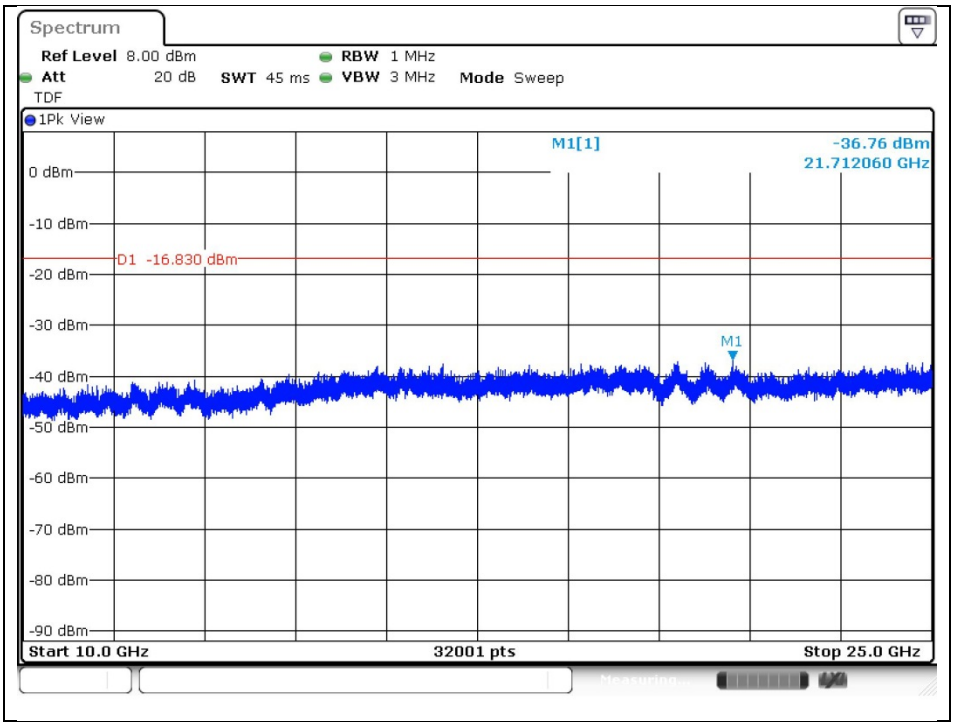

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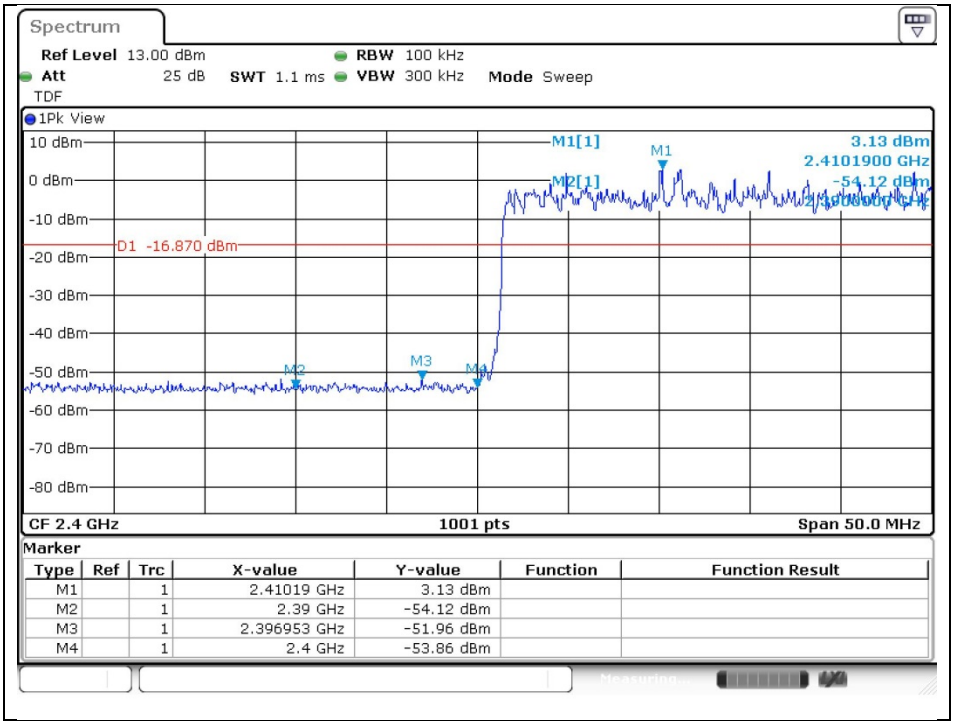
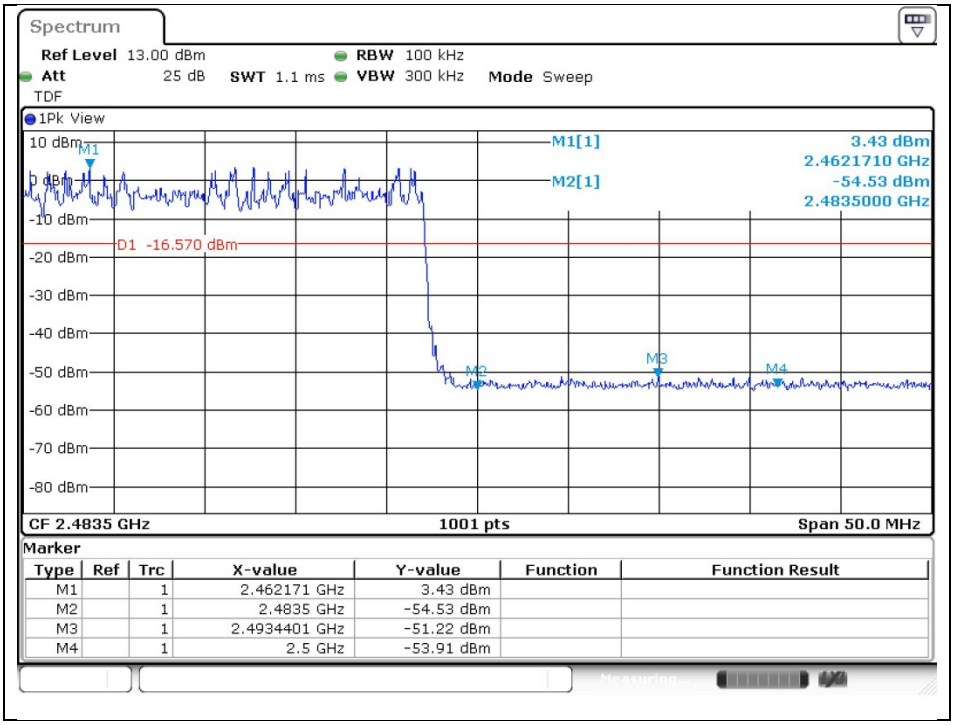
Band edge compliance with hopping enabled

Low channel



High channel



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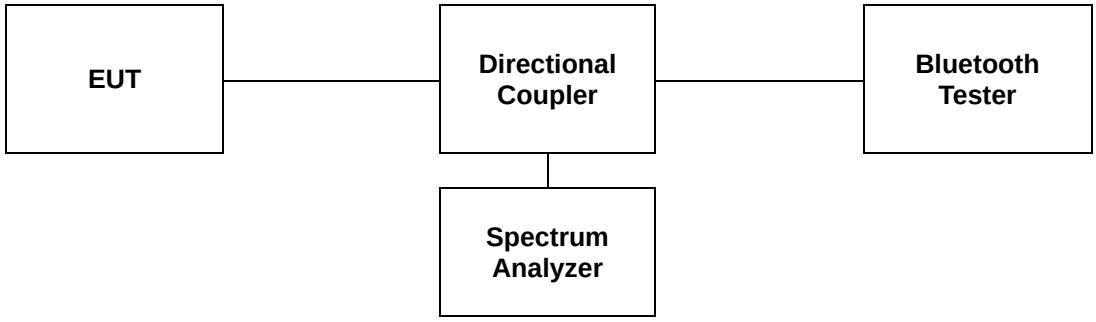
3. 20 dB Bandwidth

3.1. Test Setup



3.2. Limit

Limit: Not Applicable

3.3. Test Procedure

The test follows ANSI C63.10-2013.

The 20 dB bandwidth was measured with a spectrum analyzer connected to RF antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

Use the following spectrum analyzer setting:

1. Span = approximately 2 to 5 times the 20 dB bandwidth.
2. RBW ≥ 1 % to 5 % of the 20 dB bandwidth.
3. VBW ≥ 3 x RBW
4. Sweep = auto
5. Detector = peak
6. Trace = max hold

The marker-to-peak function to set the mark to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is 20 dB bandwidth of the emission.

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3.4. Test Results

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

3.4.1. Left

Operation Mode	Data Rate (Mbps)	Channel	Frequency (㎒)	20 ㏈ Bandwidth (㎒)
GFSK	1	Low	2 402	0.947
		Middle	2 441	0.965
		High	2 480	0.965
π/4DQPSK	2	Low	2 402	1.223
		Middle	2 441	1.277
		High	2 480	1.226
8DPSK	3	Low	2 402	1.202
		Middle	2 441	1.199
		High	2 480	1.208

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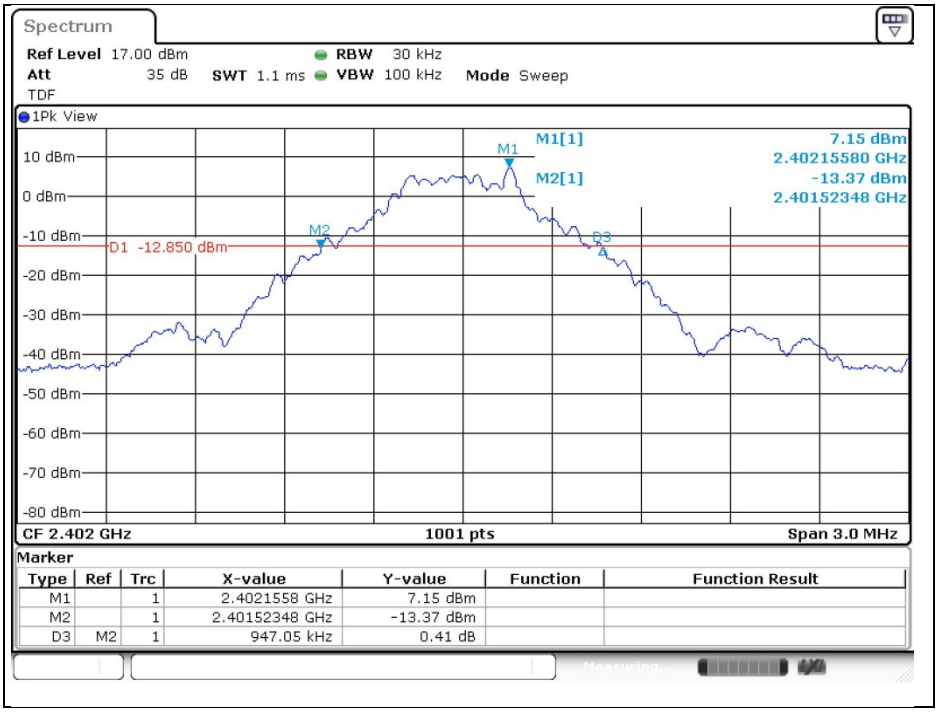
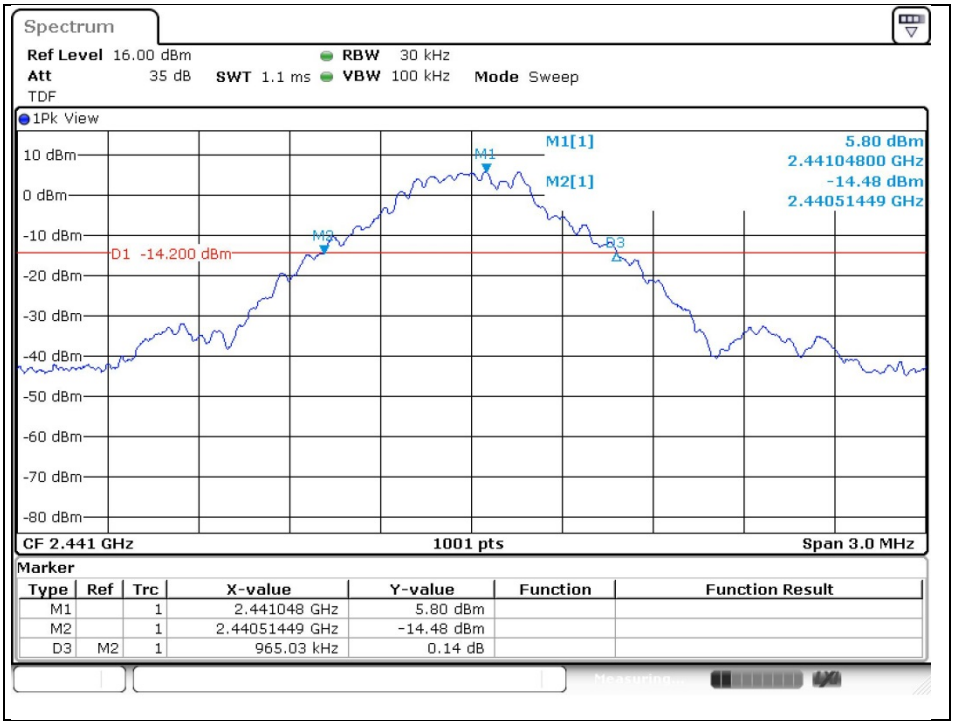
- Test plots

Operating Mode: GFSK

Low Channel



Middle Channel



High Channel

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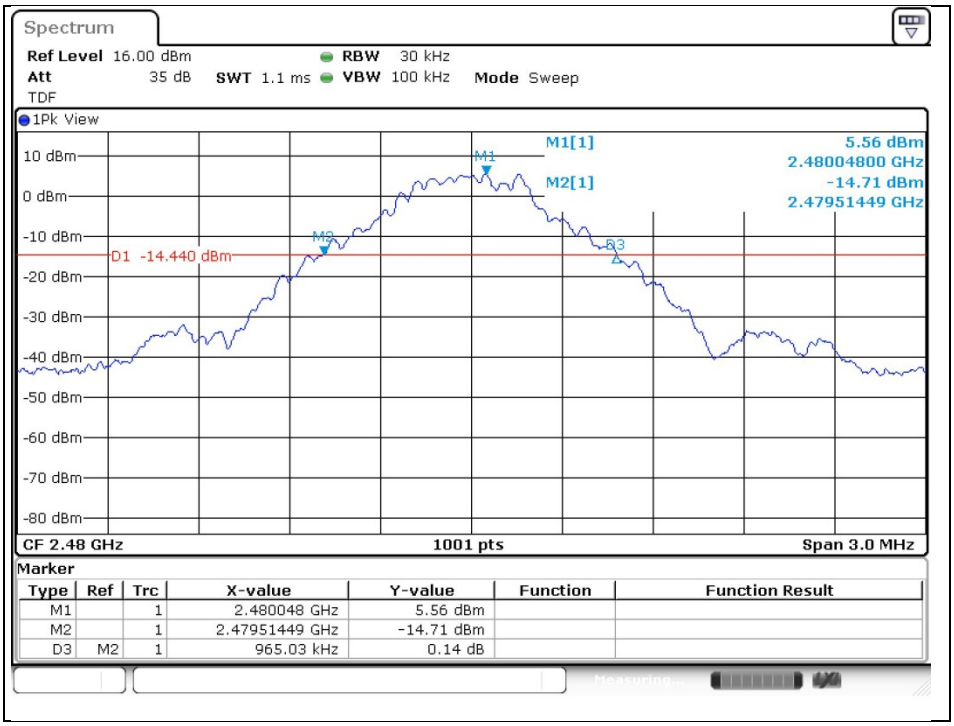
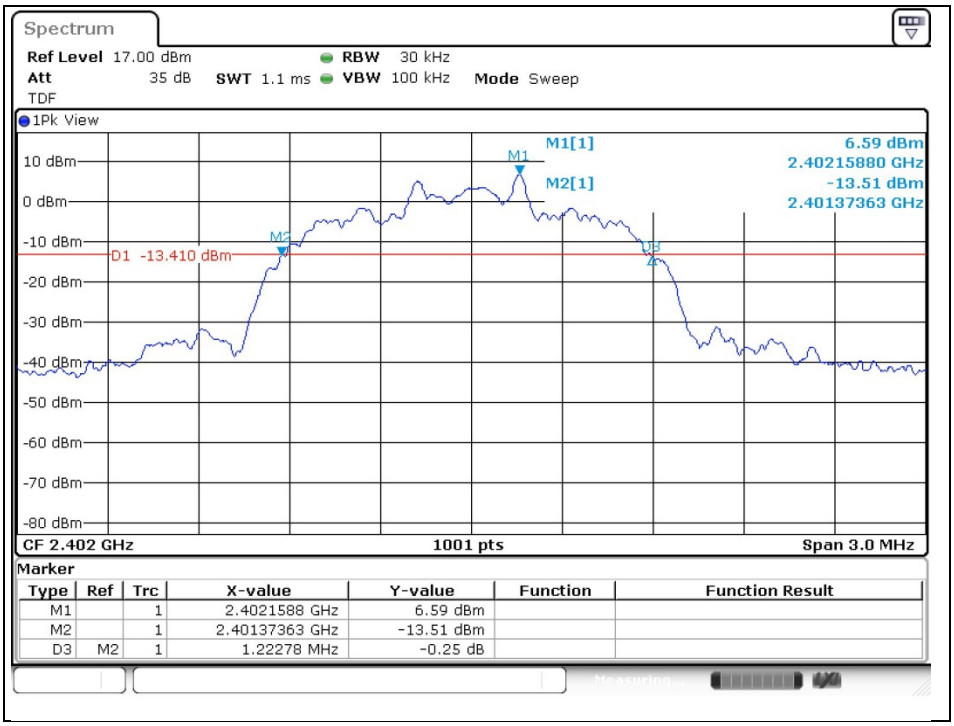


Operating Mode: π/4DQPSK

Low Channel



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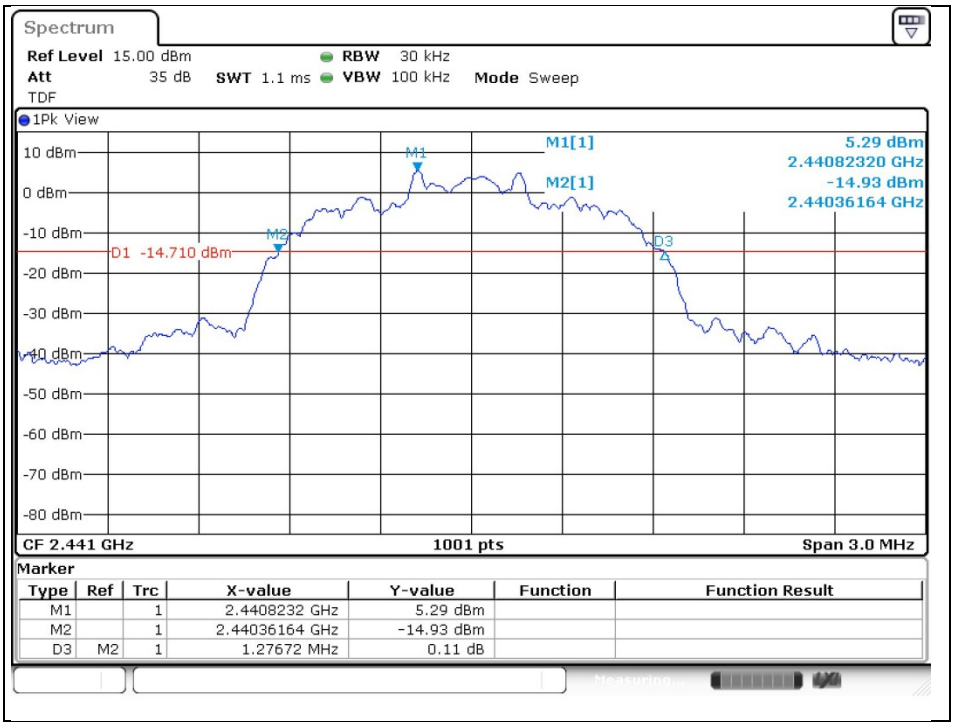
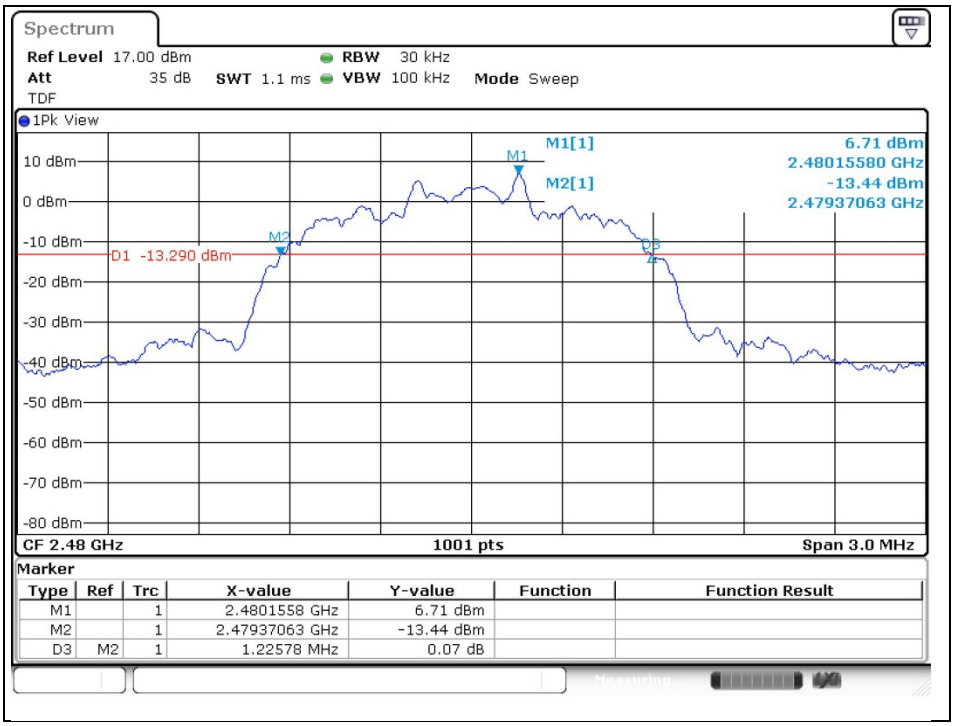
Middle Channel



High Channel



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