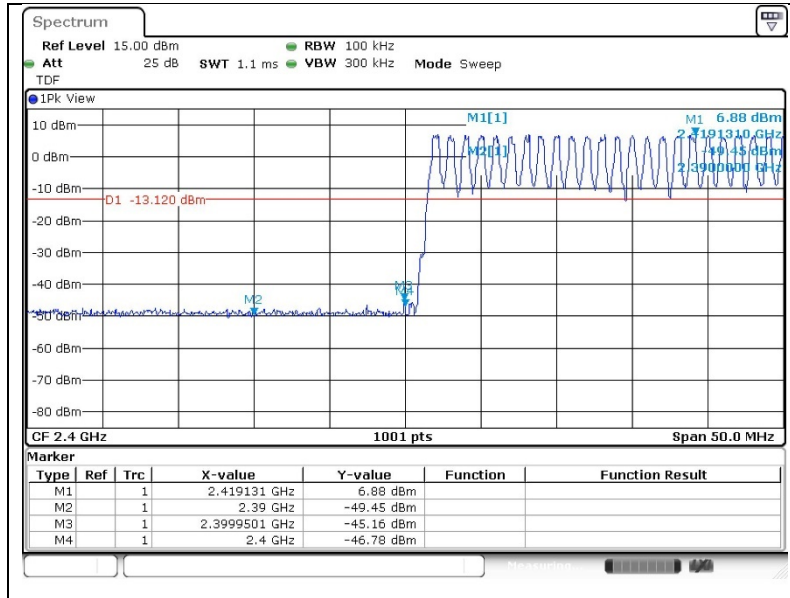
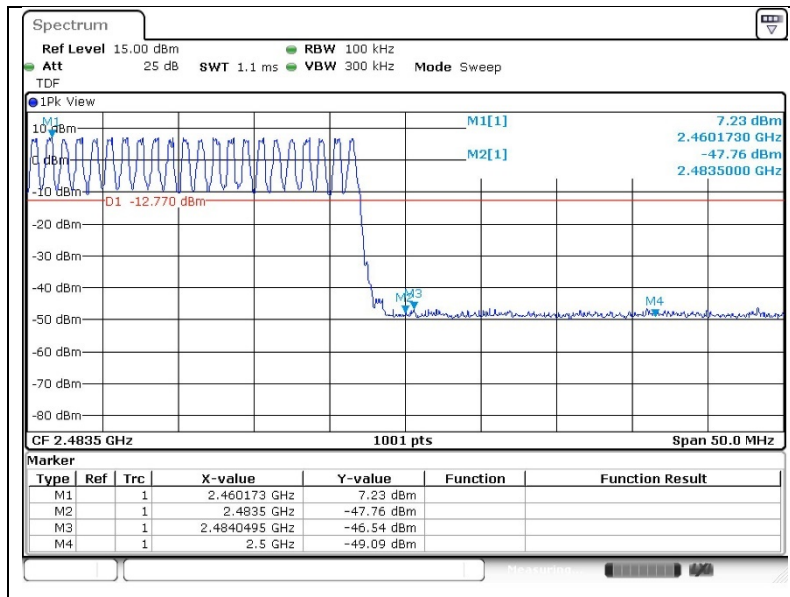


Operating Mode: GFSK_hopping function turned on
Band edge compliance
Low channel

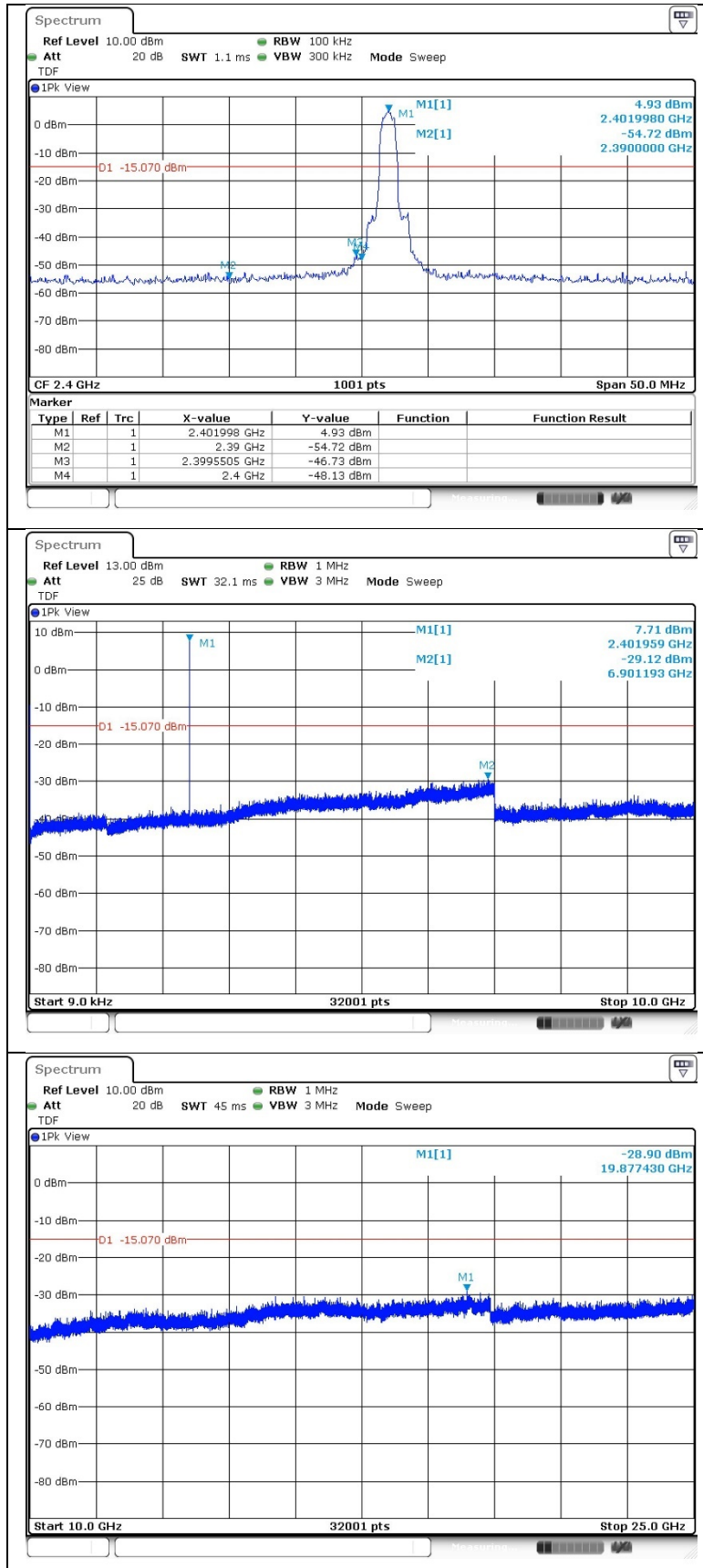


High channel

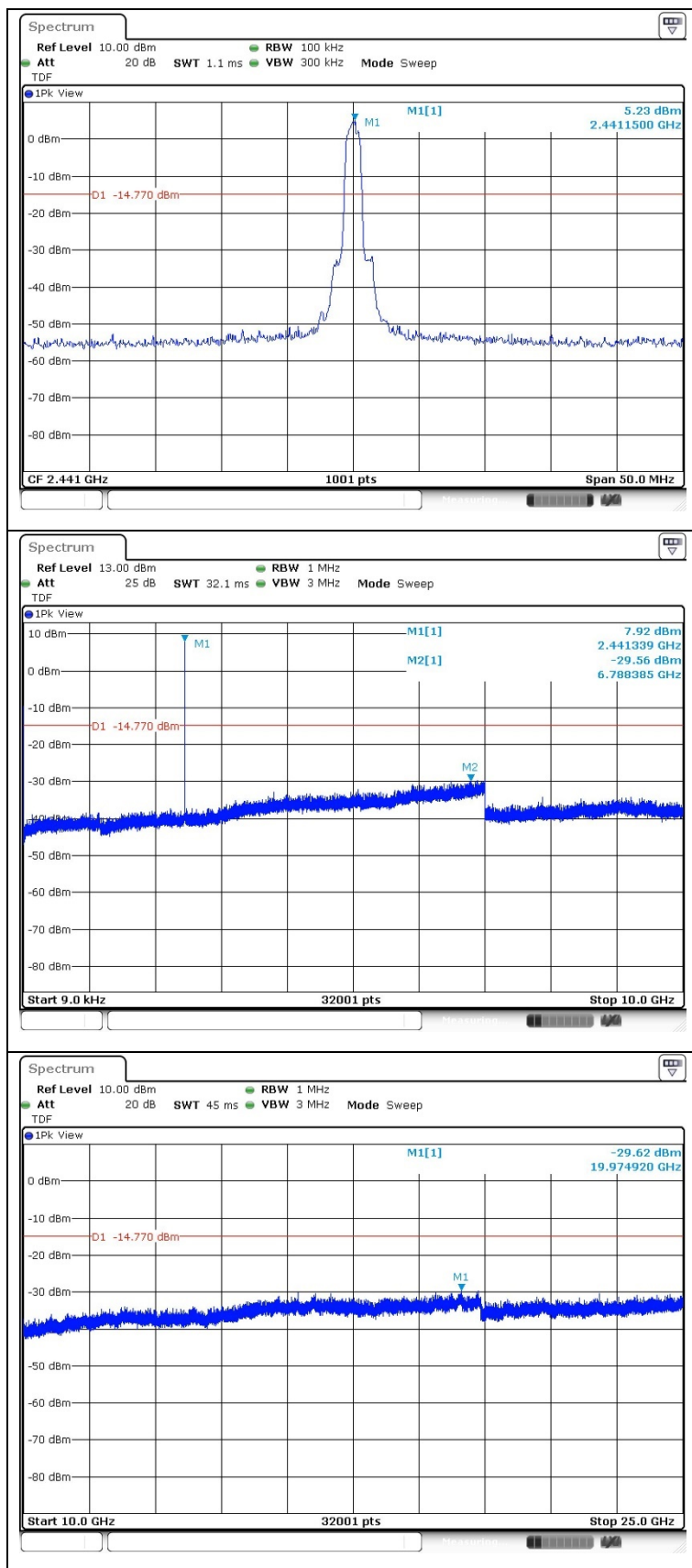


Operating Mode: 8DPSK_hopping function turned off

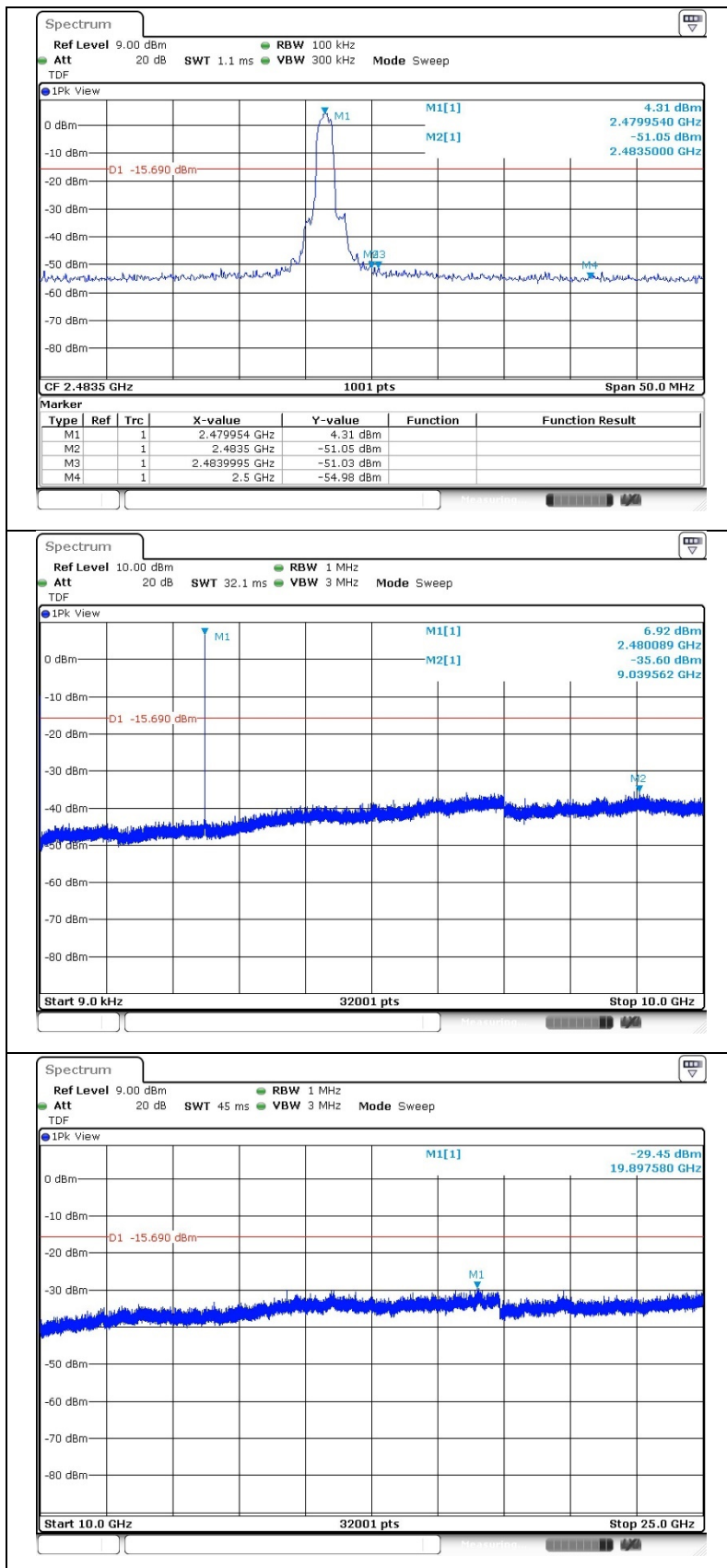
Low channel



Middle channel



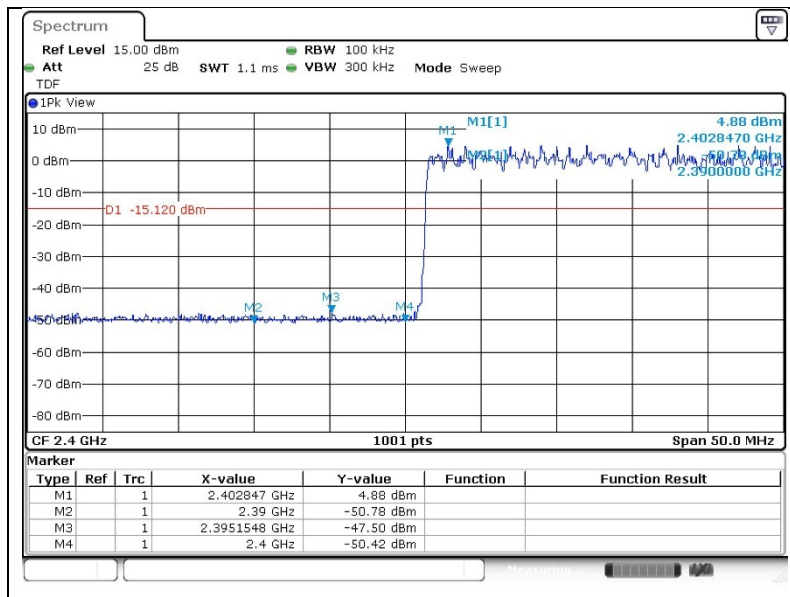
High channel



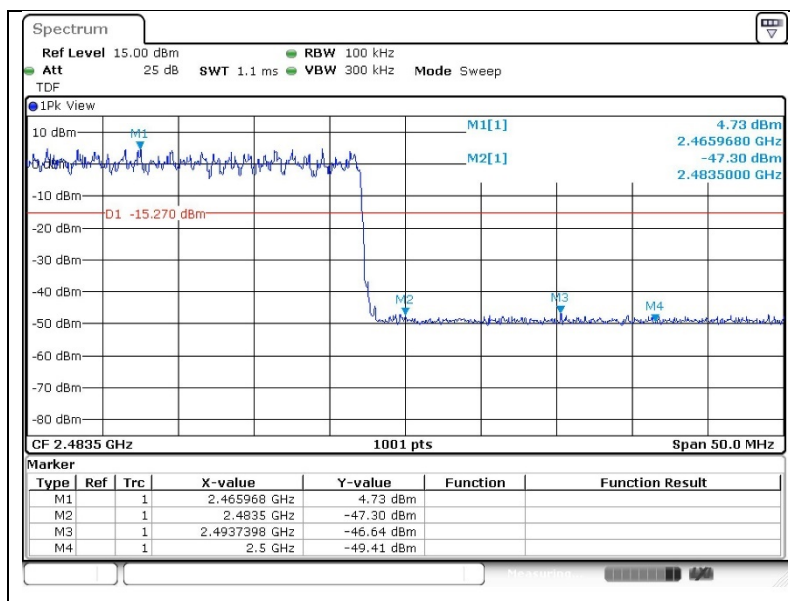
Operating Mode: 8DPSK_hopping function turned on

Band edge compliance

Low channel



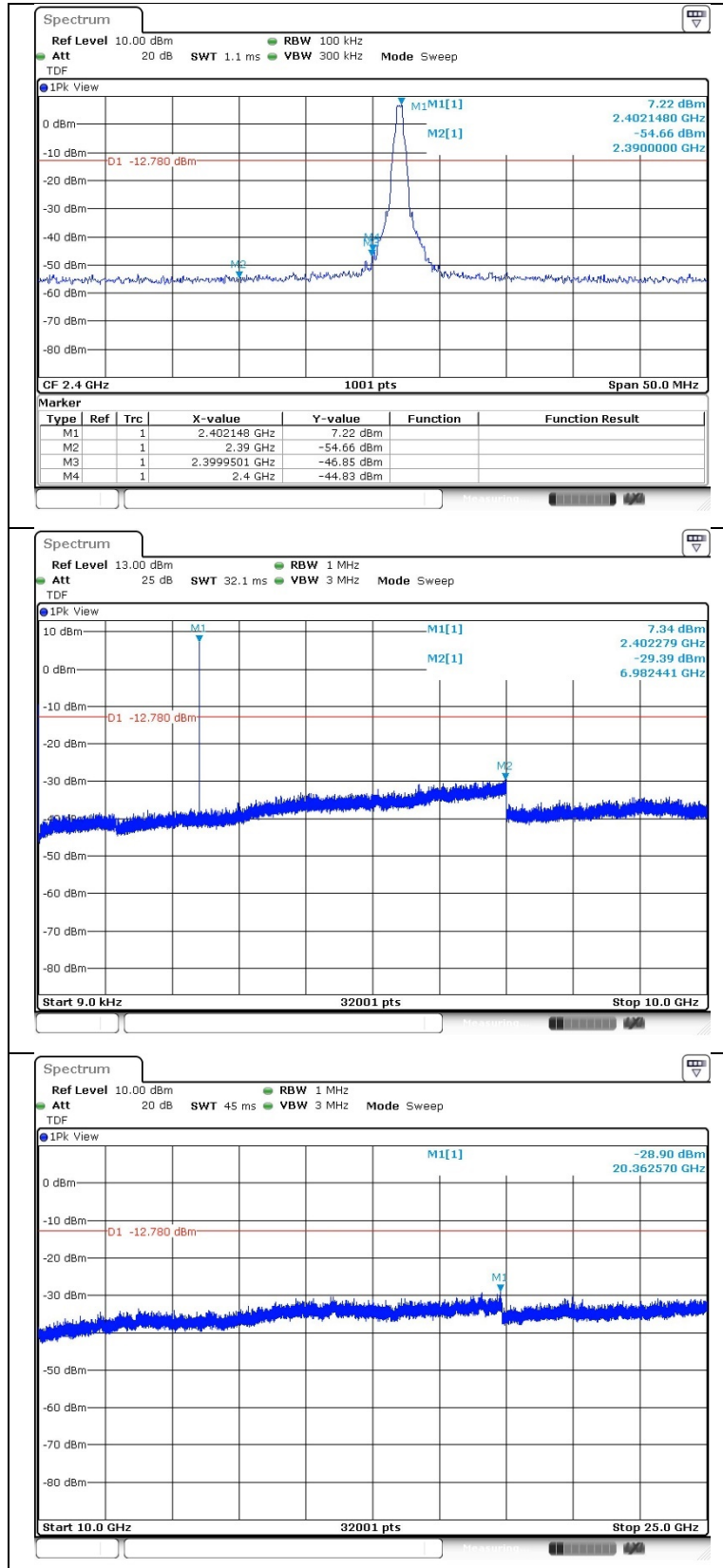
High channel



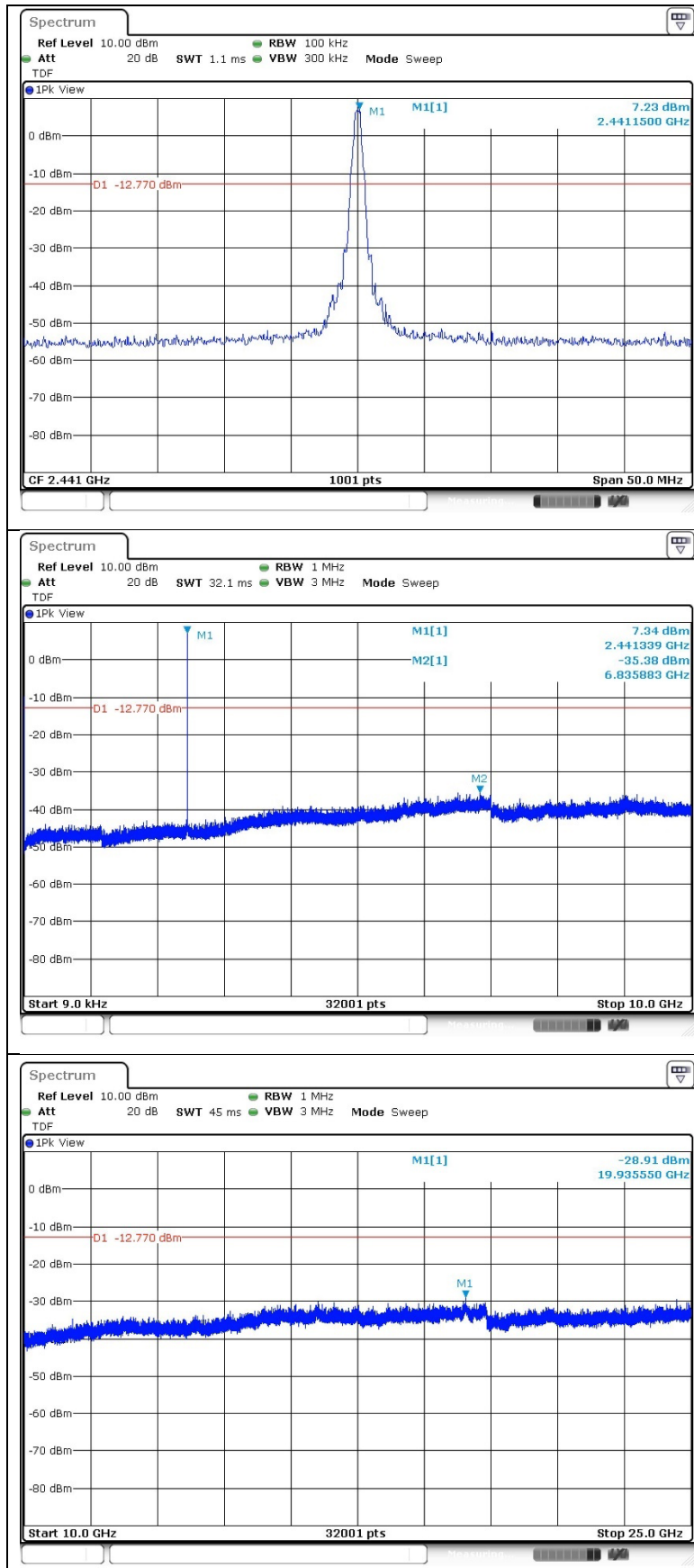
Left

Operating Mode: GFSK_hopping function turned off

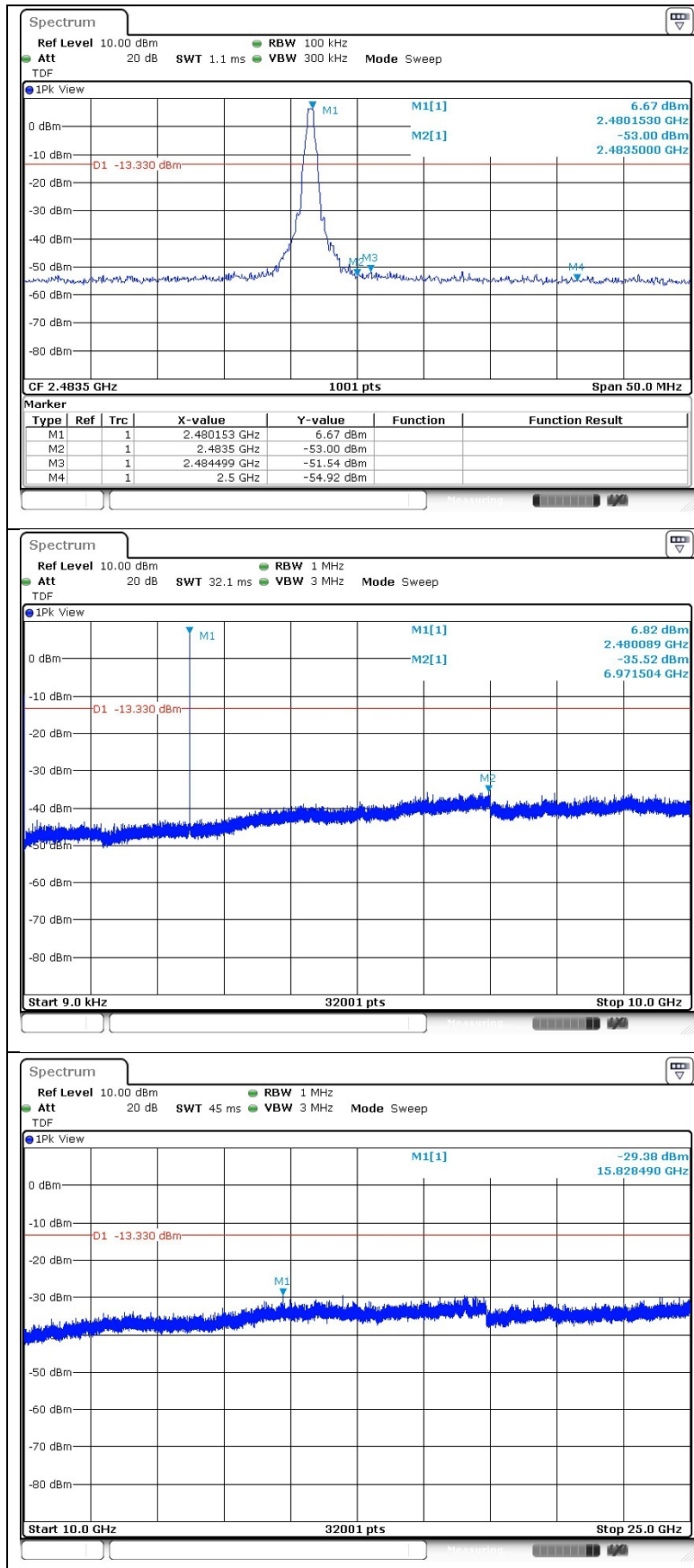
Low channel



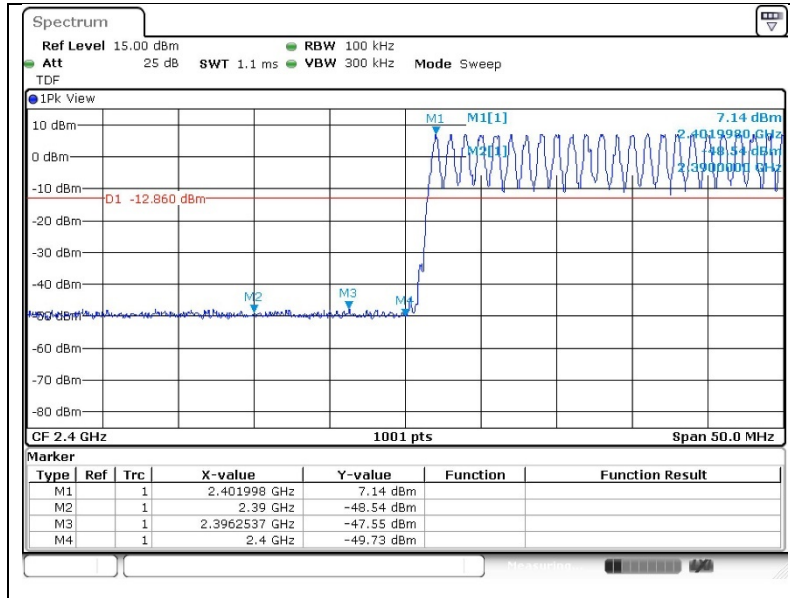
Middle channel



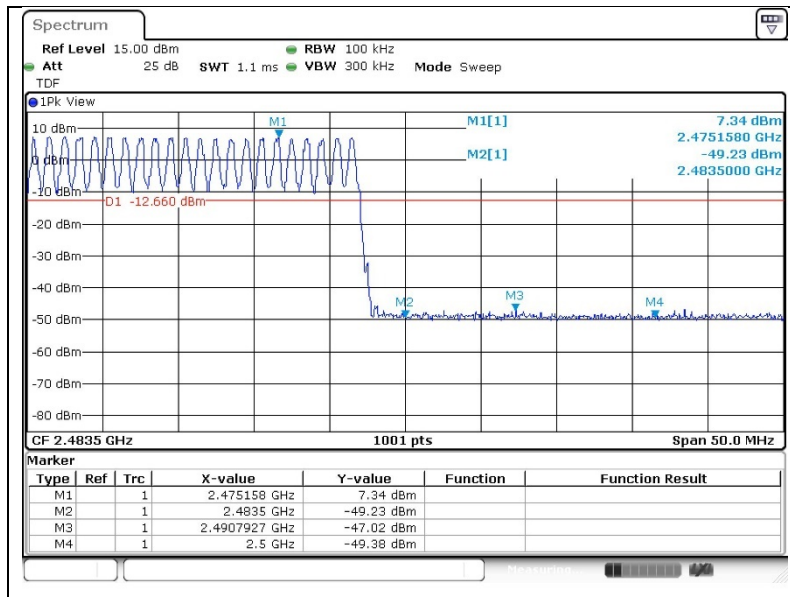
High channel



Operating Mode: GFSK_hopping function turned on
Band edge compliance
Low channel

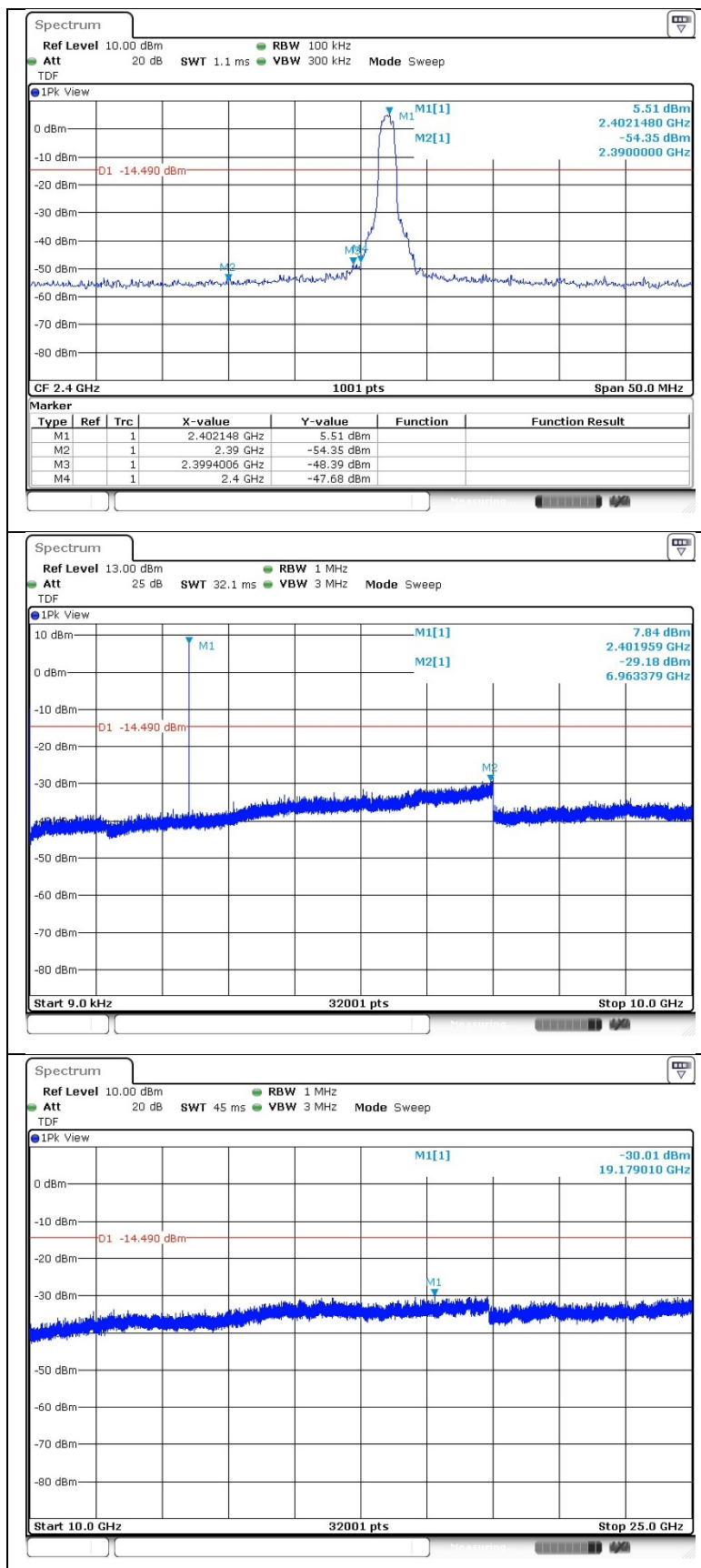


High channel

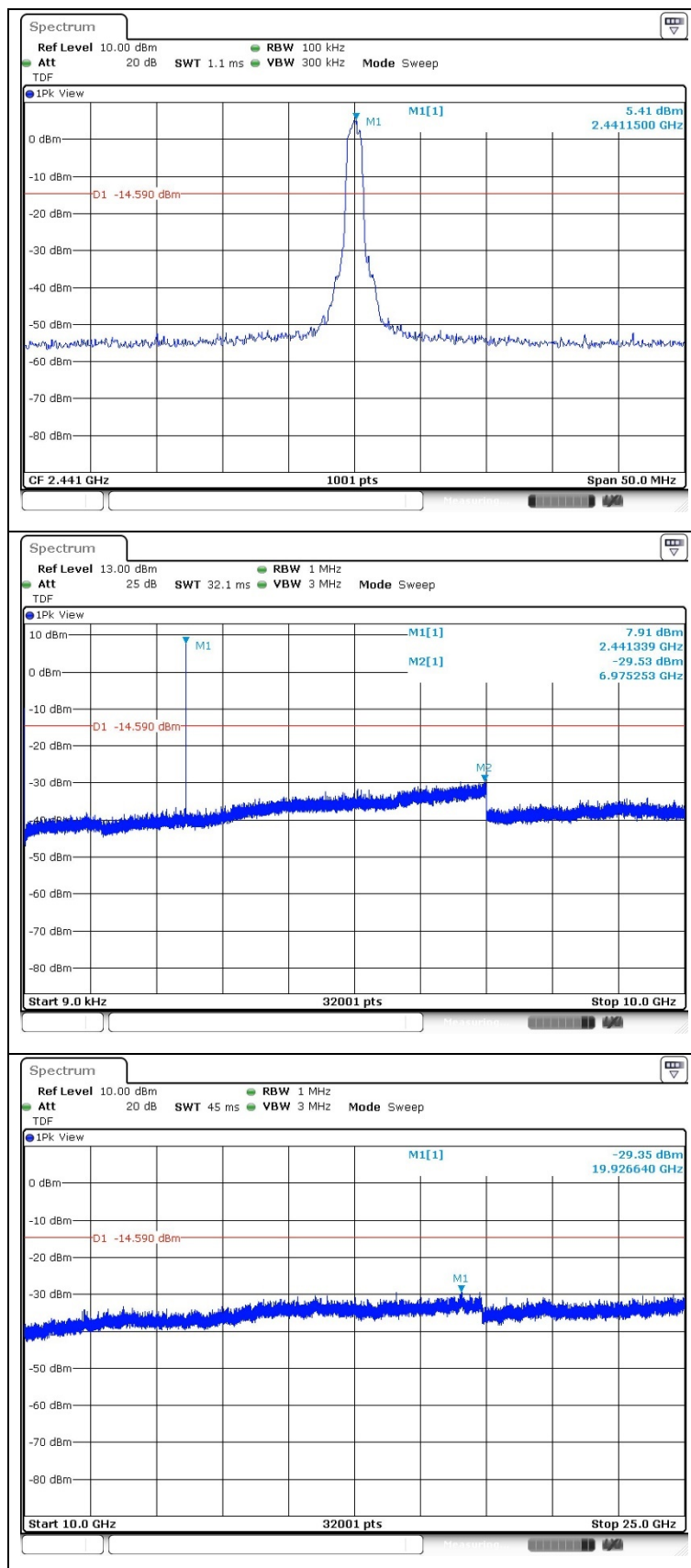


Operating Mode: 8DPSK_hopping function turned off

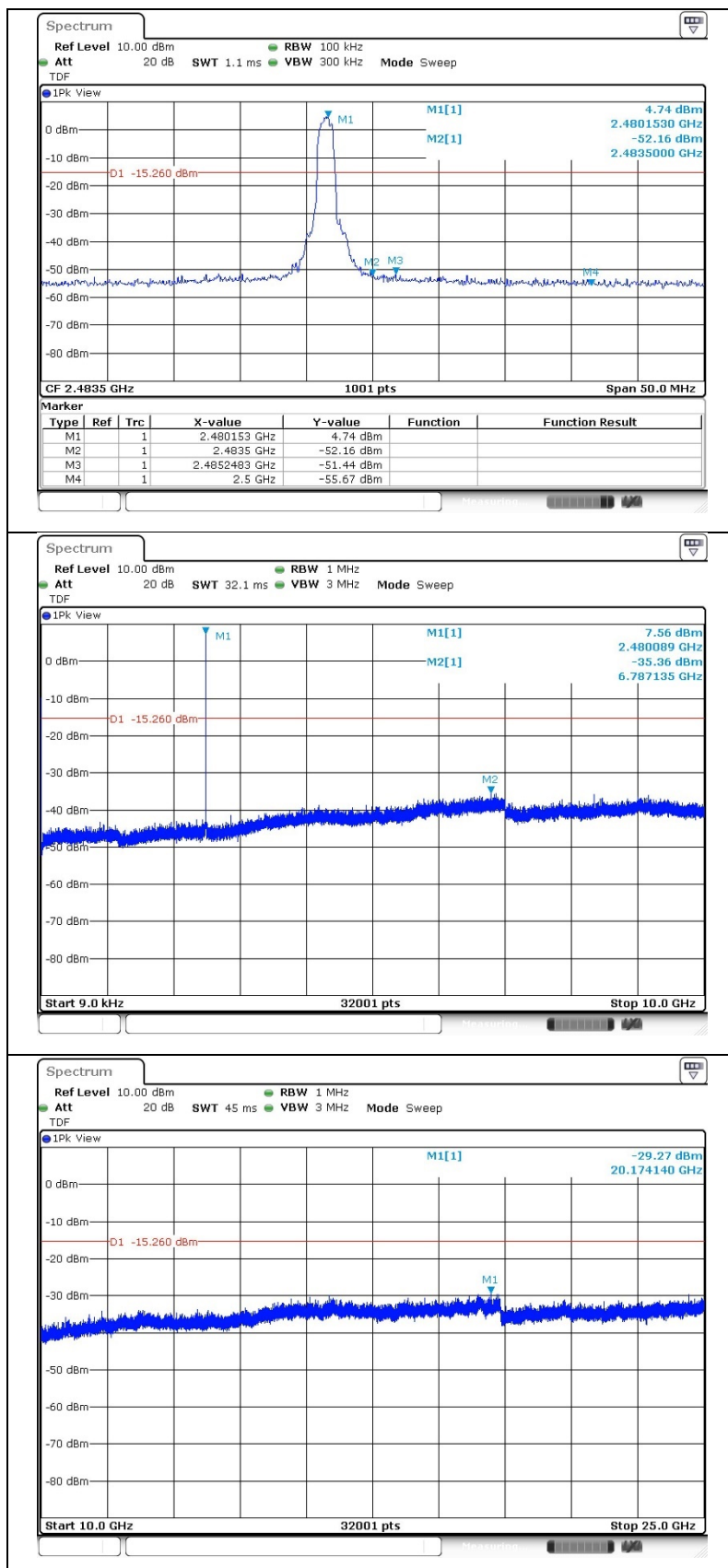
Low channel



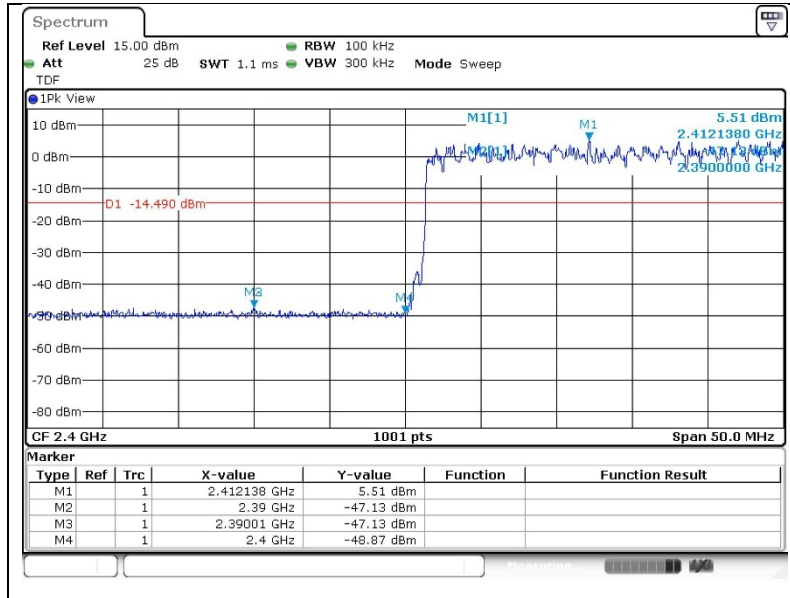
Middle channel



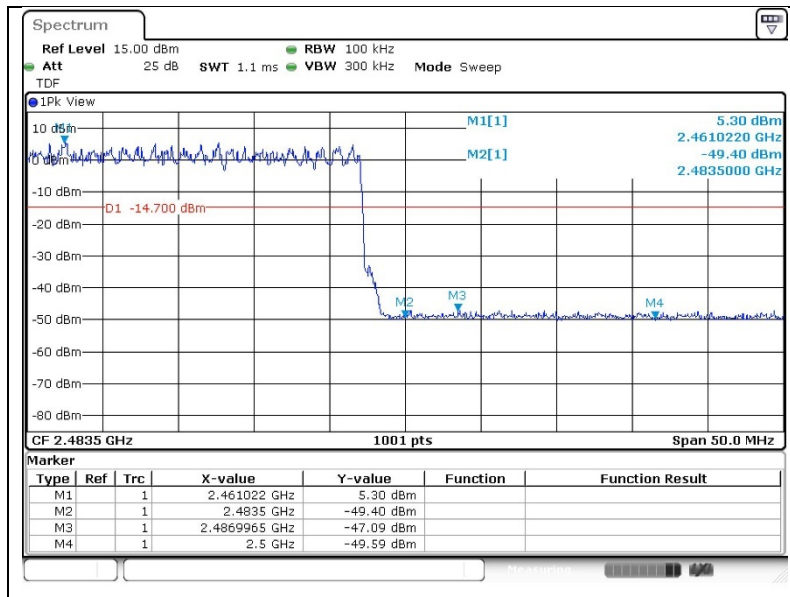
High channel



Operating Mode: 8DPSK_hopping function turned on
Band edge compliance
Low channel

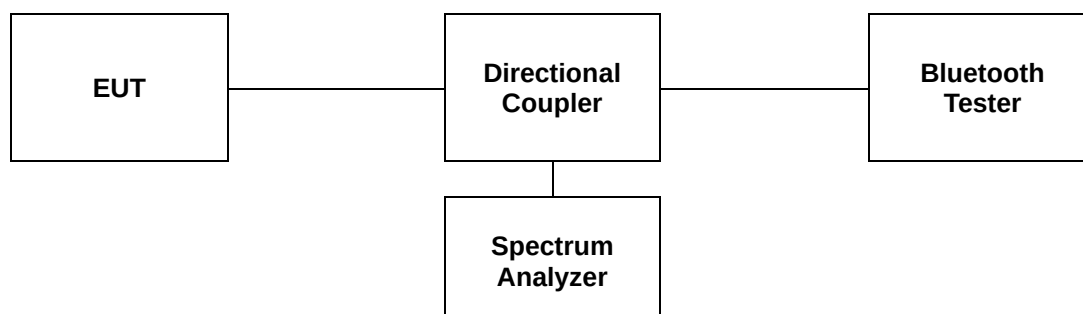


High channel



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 $\geq 1\%$ to 5 % of the 20 dB bandwidth.
3. VBW $\geq 3 \times$ 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.

3.4. Test Results

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

Right

Operation Mode	Data Rate (Mbps)	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	1	Low	2 402	0.971
		Middle	2 441	0.986
		High	2 480	0.962
π/4DQPSK	2	Low	2 402	1.334
		Middle	2 441	1.337
		High	2 480	1.337
8DPSK	3	Low	2 402	1.316
		Middle	2 441	1.316
		High	2 480	1.316

Left

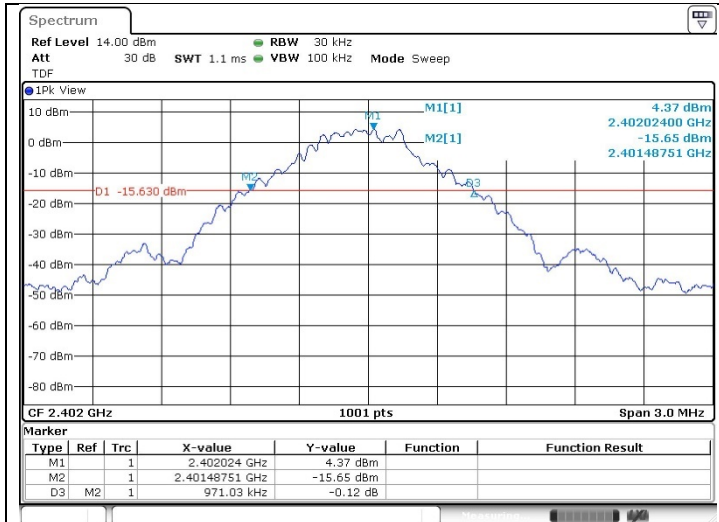
Operation Mode	Data Rate (Mbps)	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	1	Low	2 402	0.971
		Middle	2 441	0.971
		High	2 480	0.974
π/4DQPSK	2	Low	2 402	1.334
		Middle	2 441	1.337
		High	2 480	1.334
8DPSK	3	Low	2 402	1.313
		Middle	2 441	1.328
		High	2 480	1.316

- Test plots

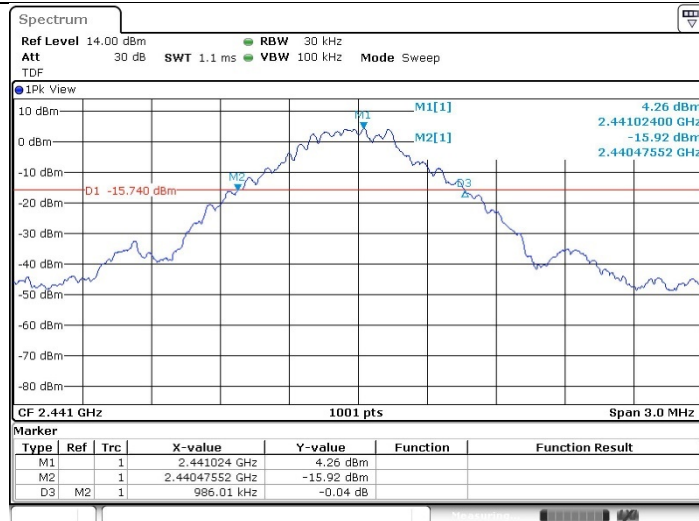
Right

Operating Mode: GFSK

Low Channel



Middle Channel



High Channel

