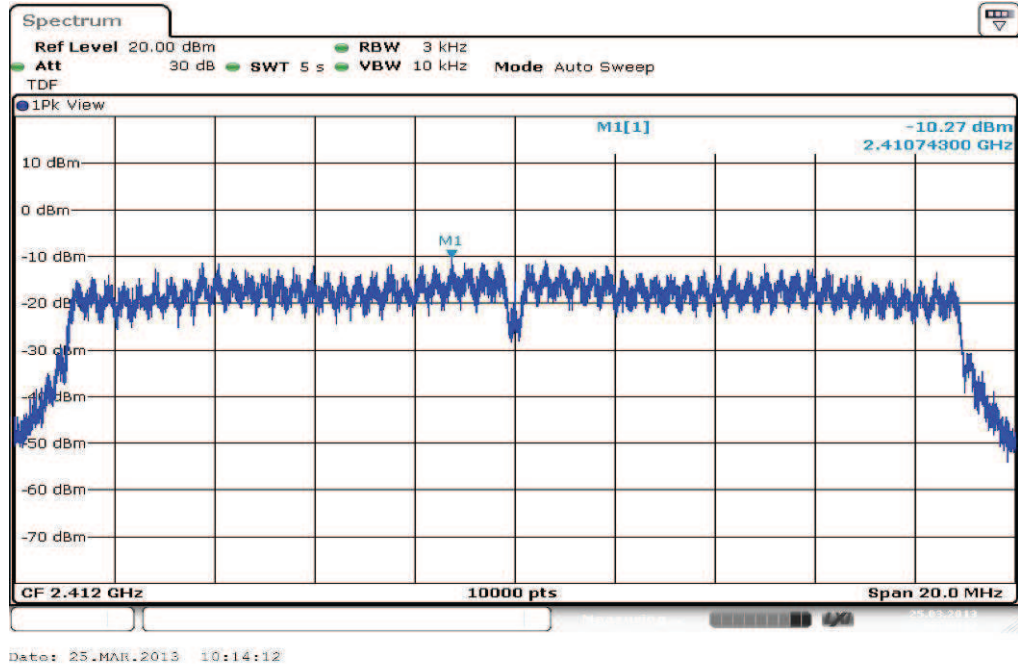
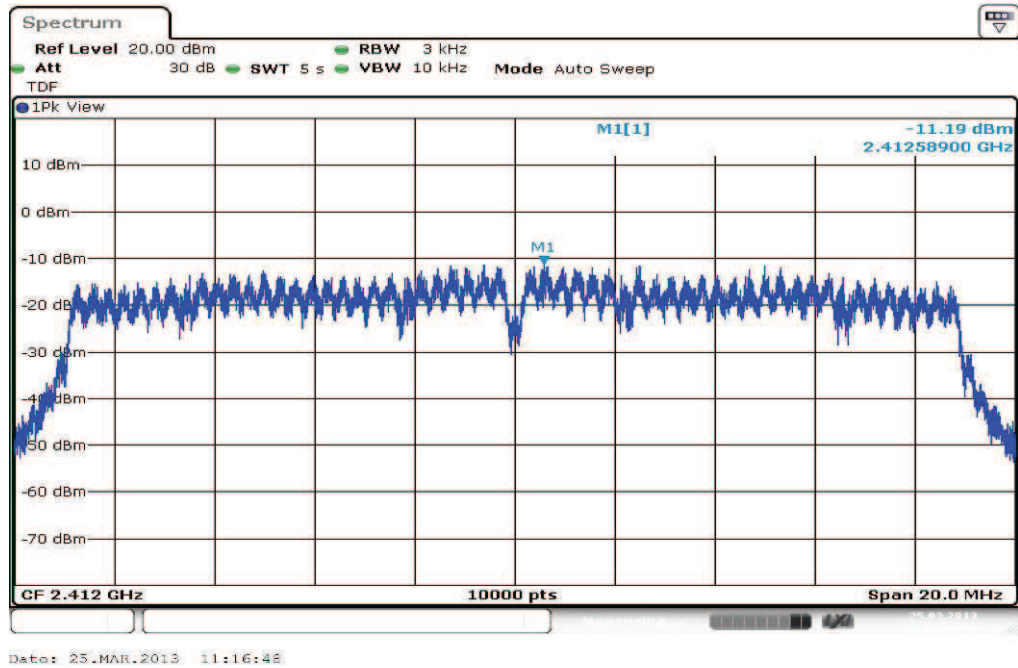


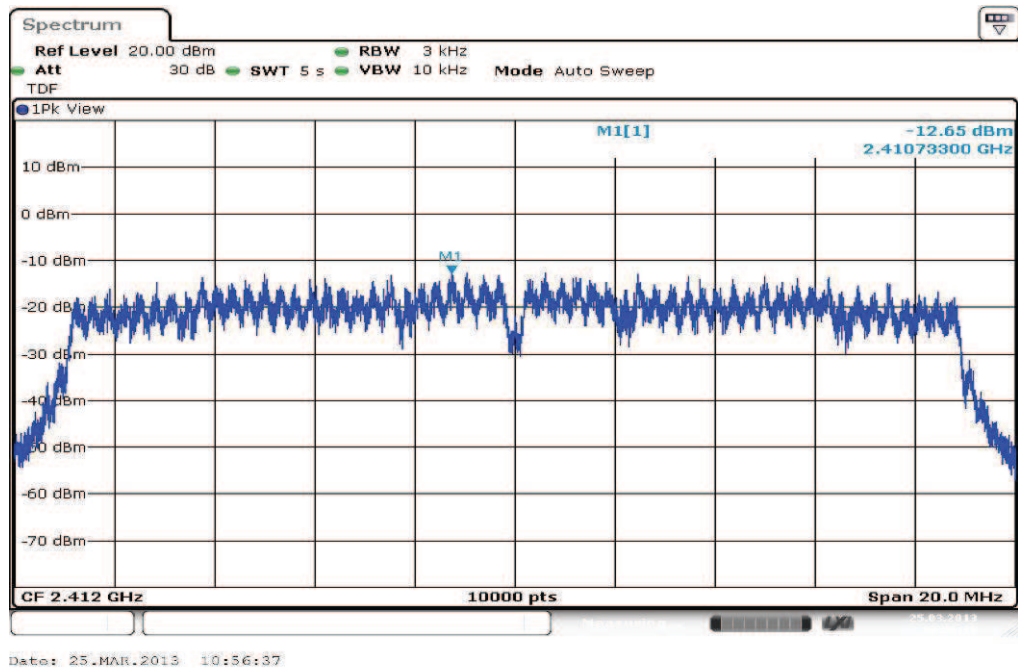
Plot 7: lowest channel, n – mode, MCS 0



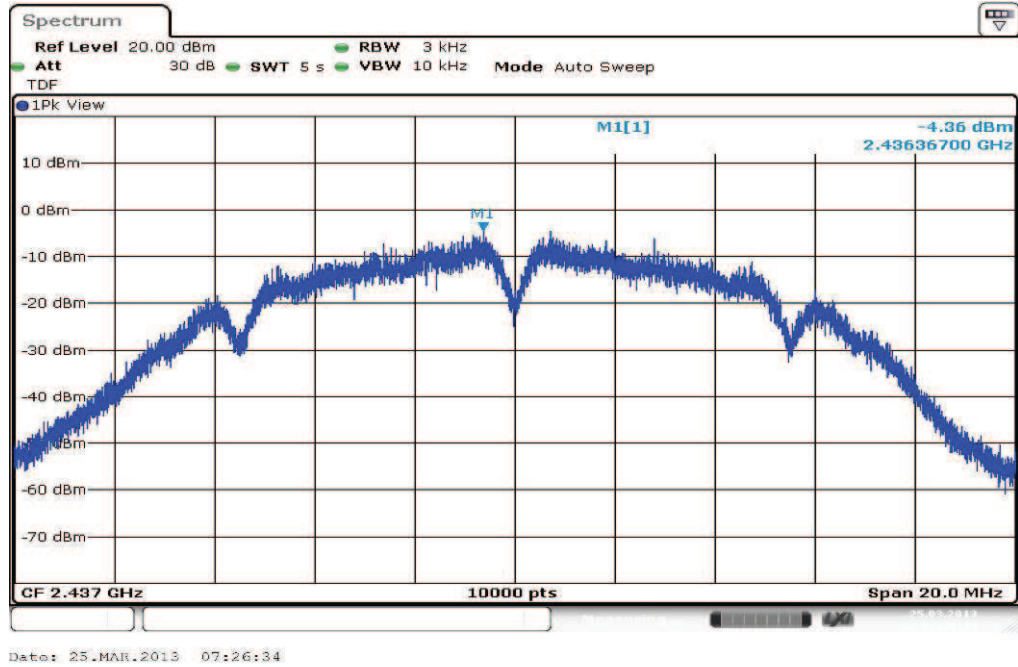
Plot 8: lowest channel, n – mode, MCS 4



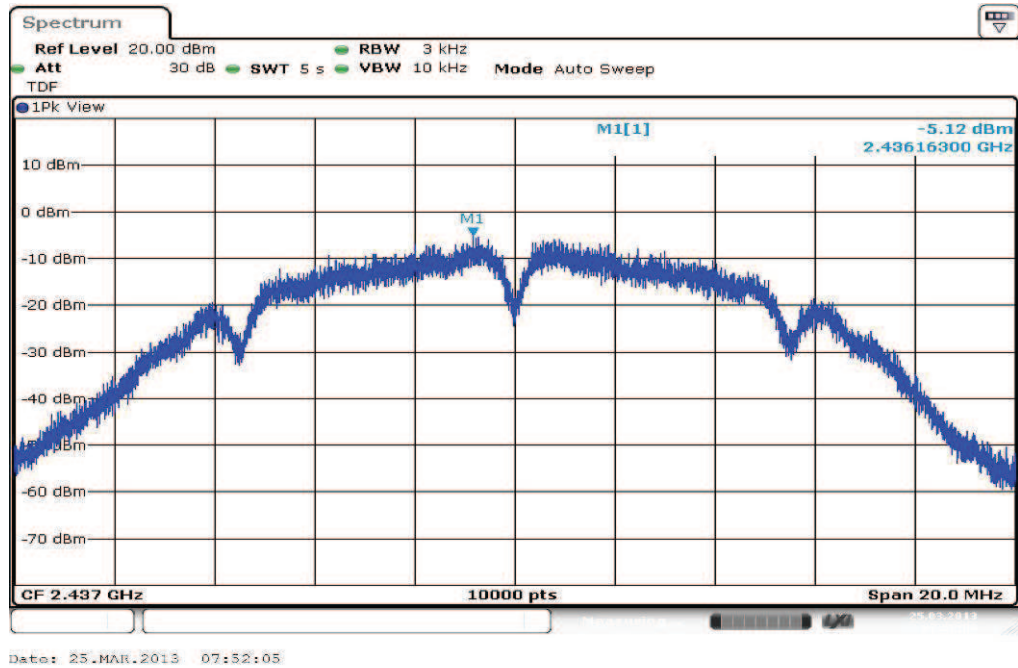
Plot 9: lowest channel, n – mode, MCS 7



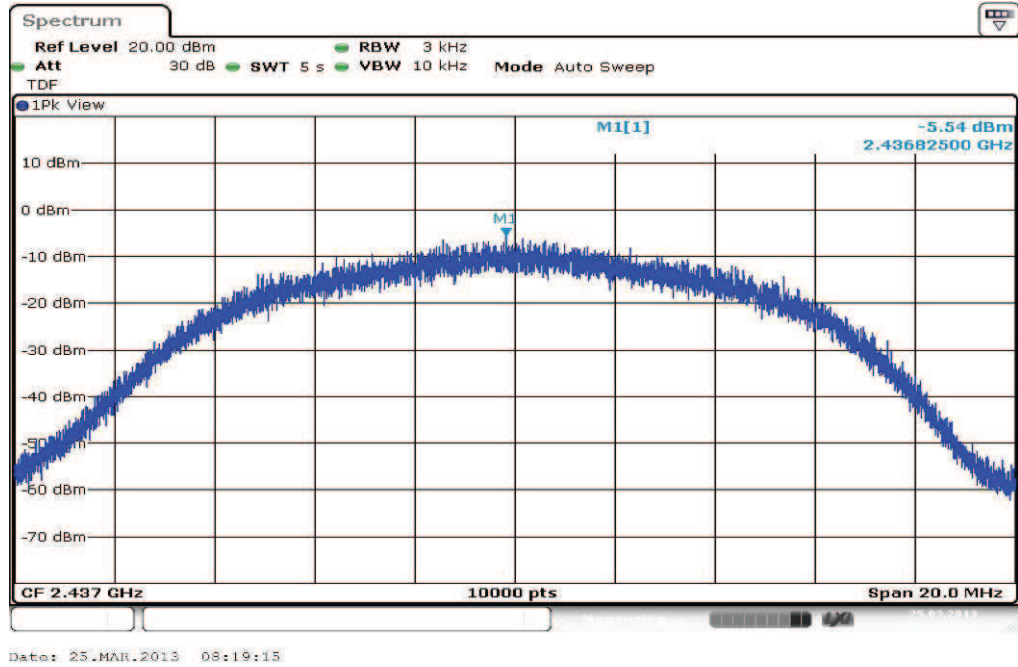
Plot 10: middle channel, b – mode, 1 Mbps



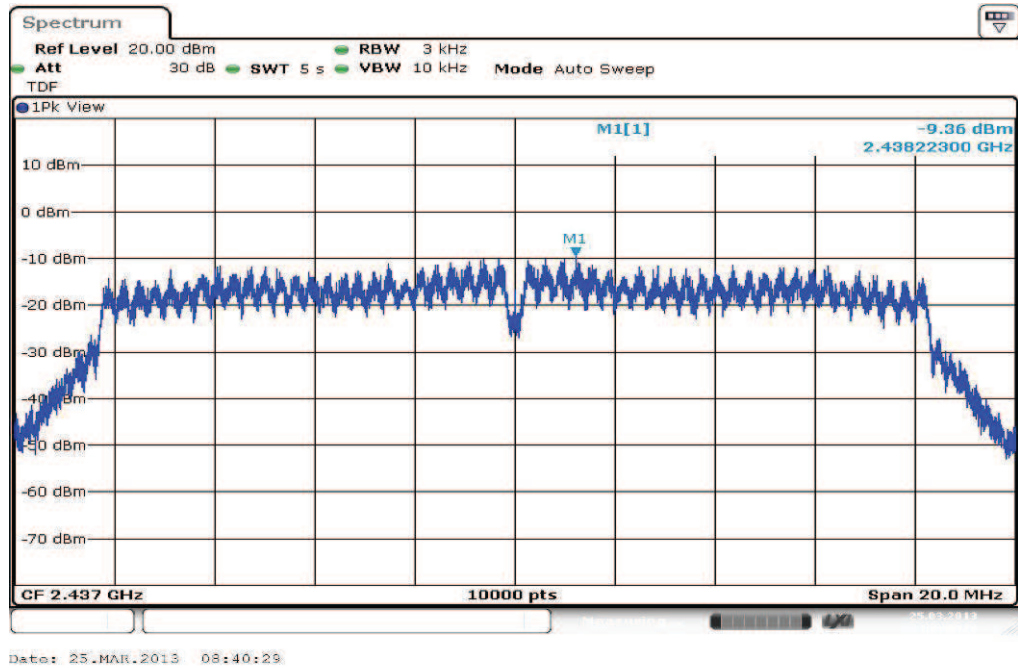
Plot 11: middle channel, b – mode, 5.5 Mbps



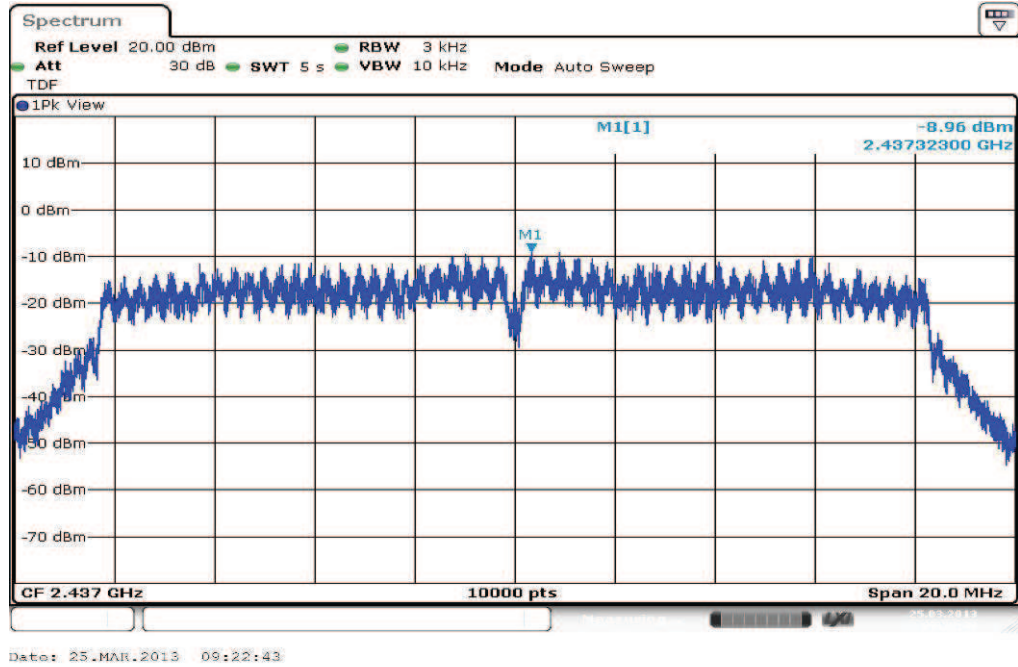
Plot 12: middle channel, b – mode, 11 Mbps



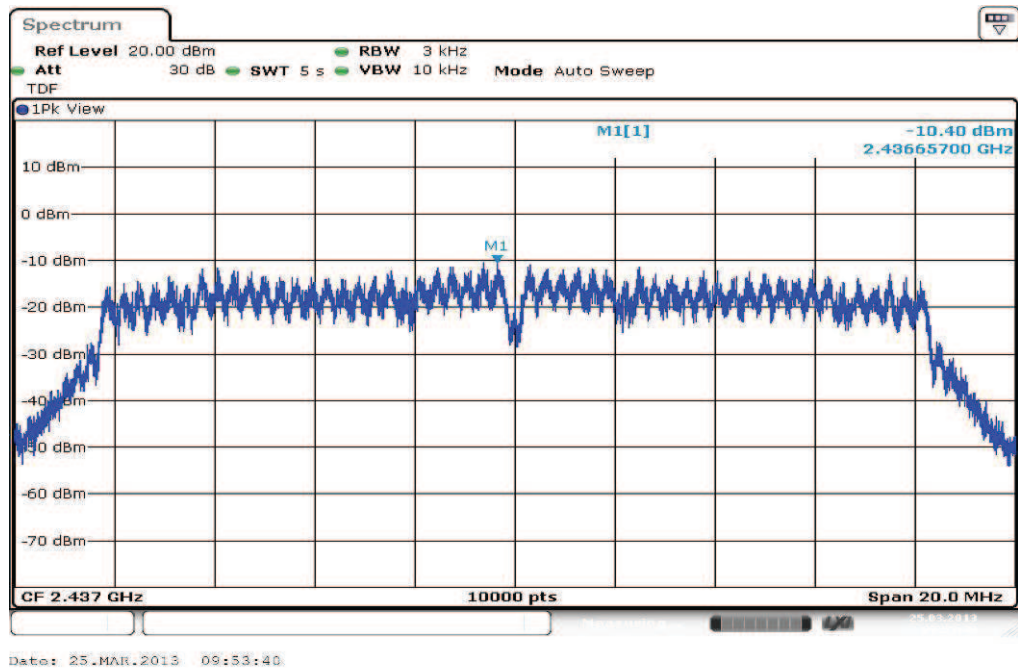
Plot 13: middle channel, g – mode, 6 Mbps



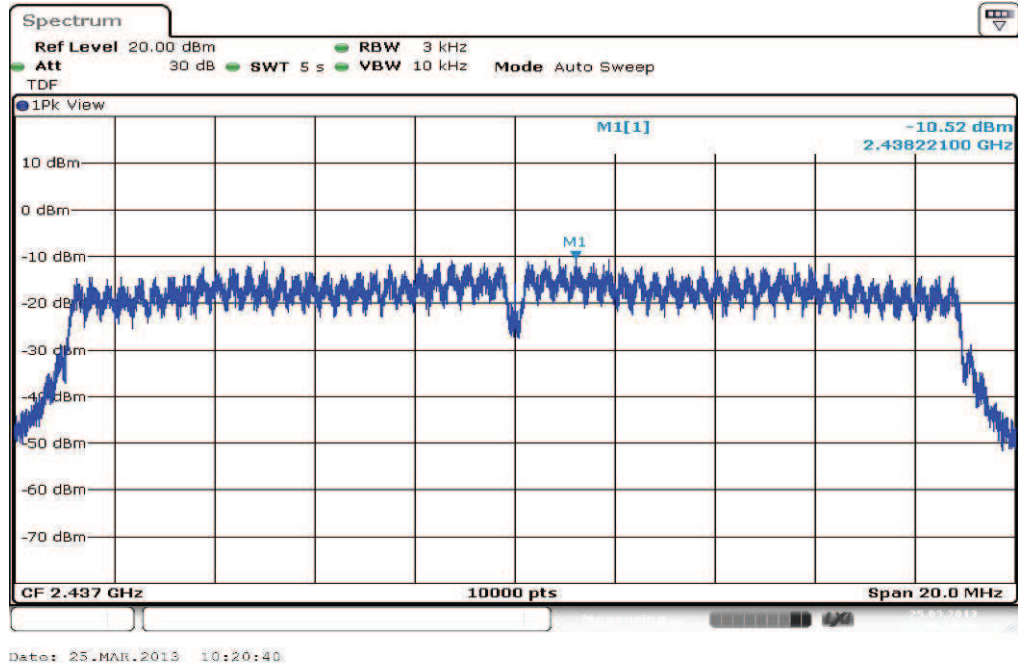
Plot 14: middle channel, g – mode, 24 Mbps



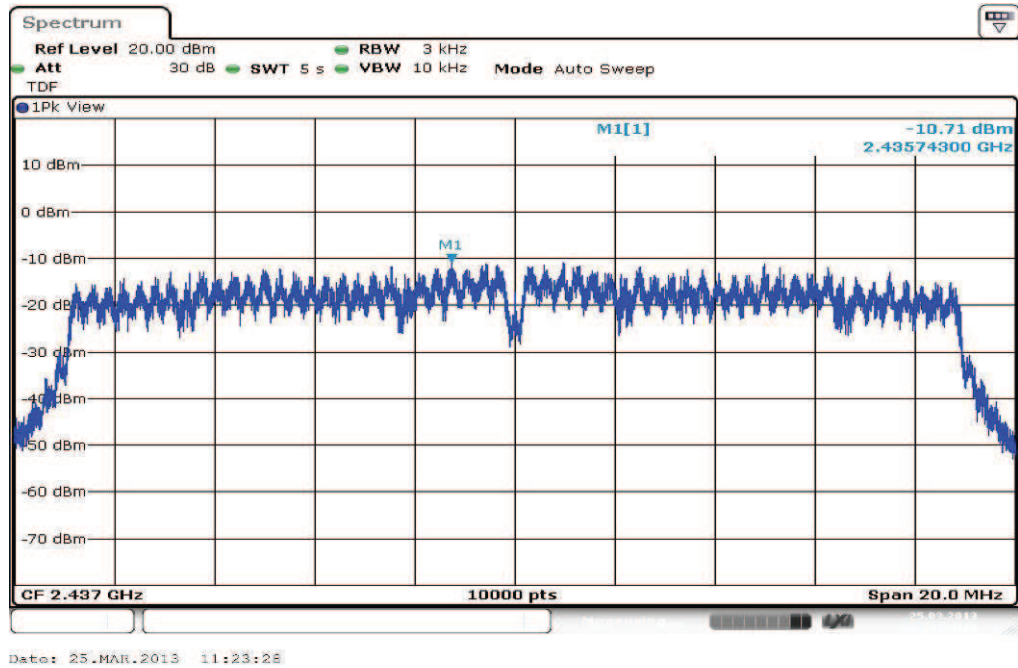
Plot 15: middle channel, g – mode, 54 Mbps



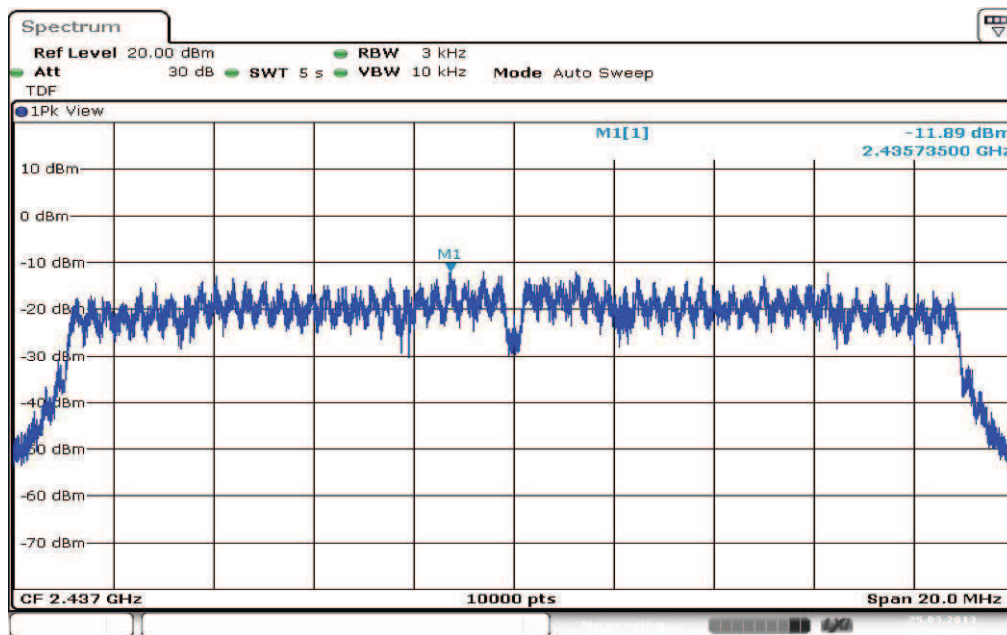
Plot 16: middle channel, n – mode, MCS 0



Plot 17: middle channel, n – mode, MCS 4

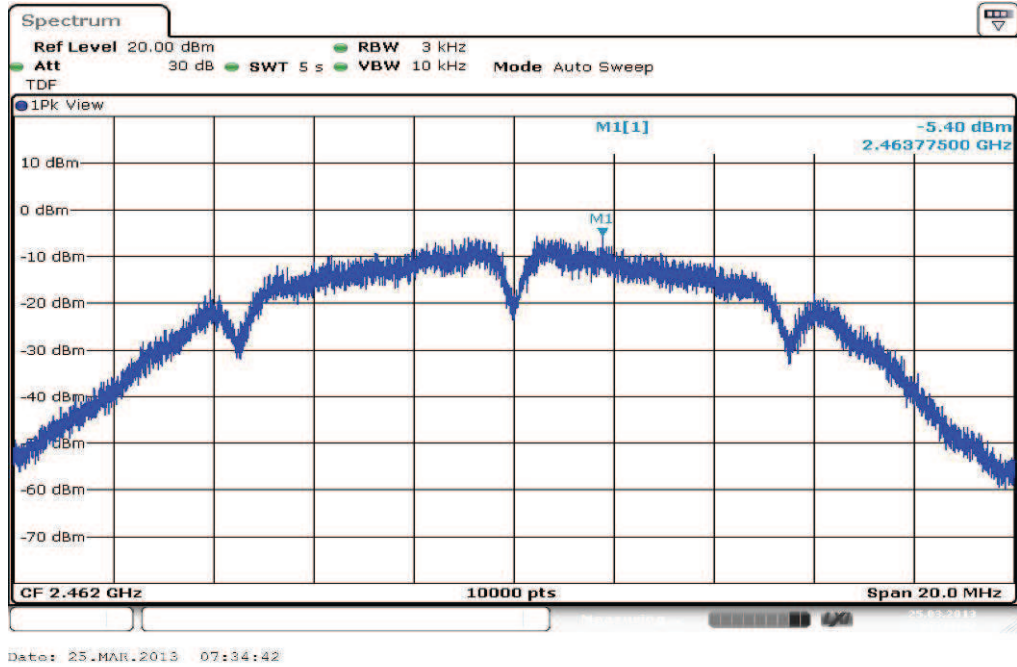


Plot 18: middle channel, n – mode, MCS 7

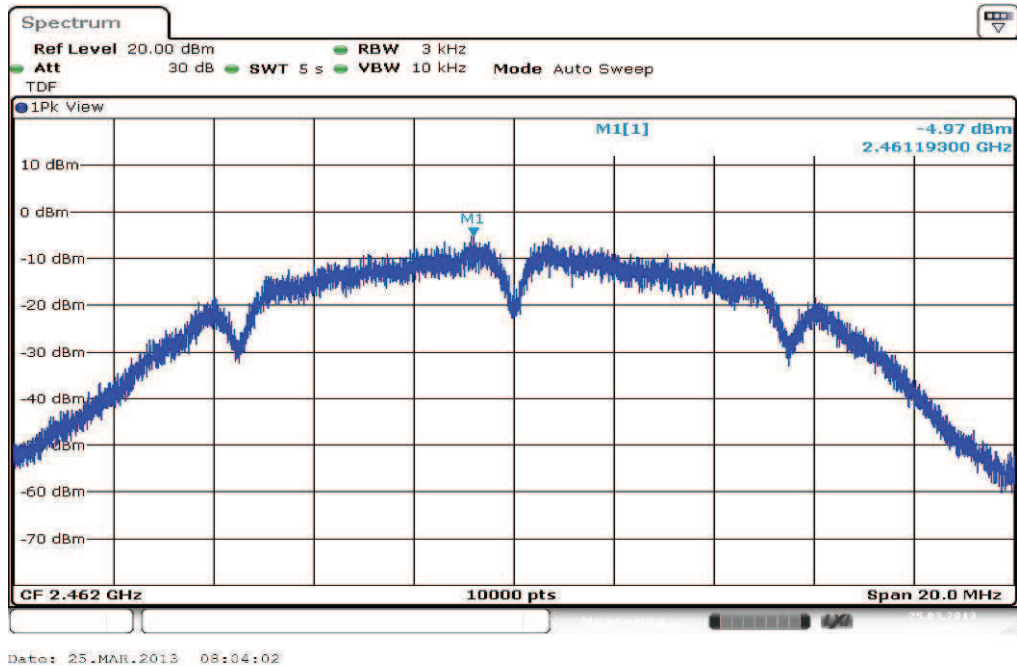


Date: 25.MAR.2013 11:03:37

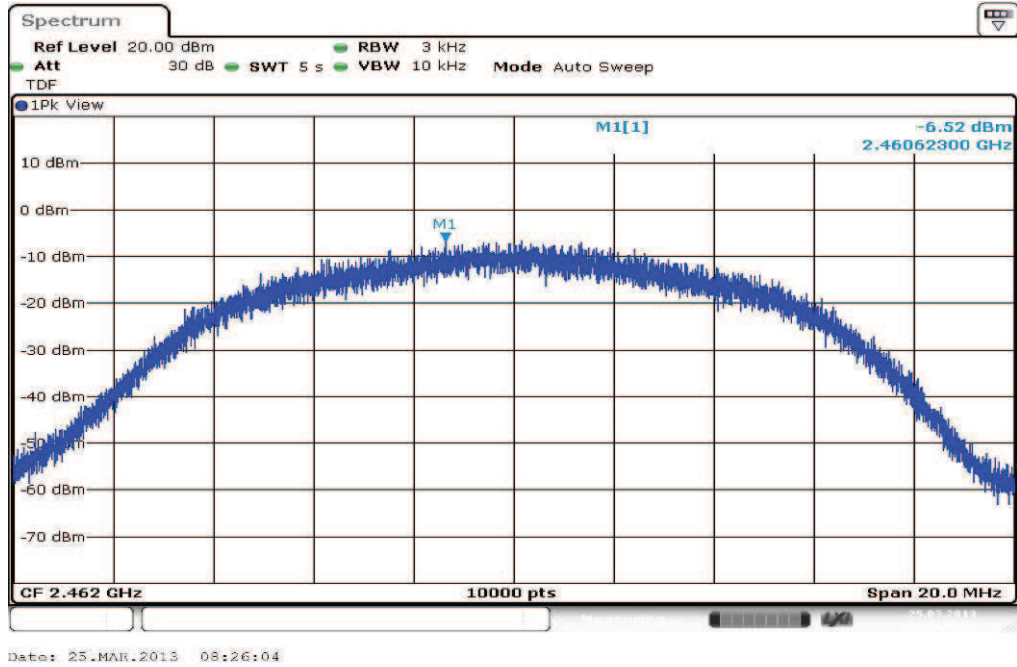
Plot 19: highest channel, b – mode, 1 Mbps



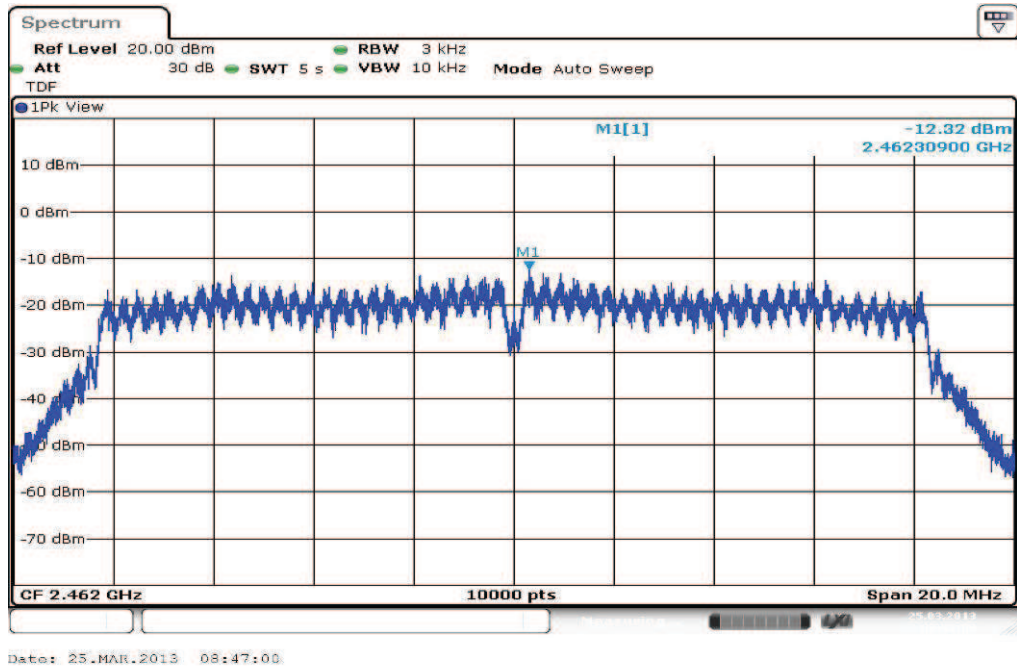
Plot 20: highest channel, b – mode, 5.5 Mbps



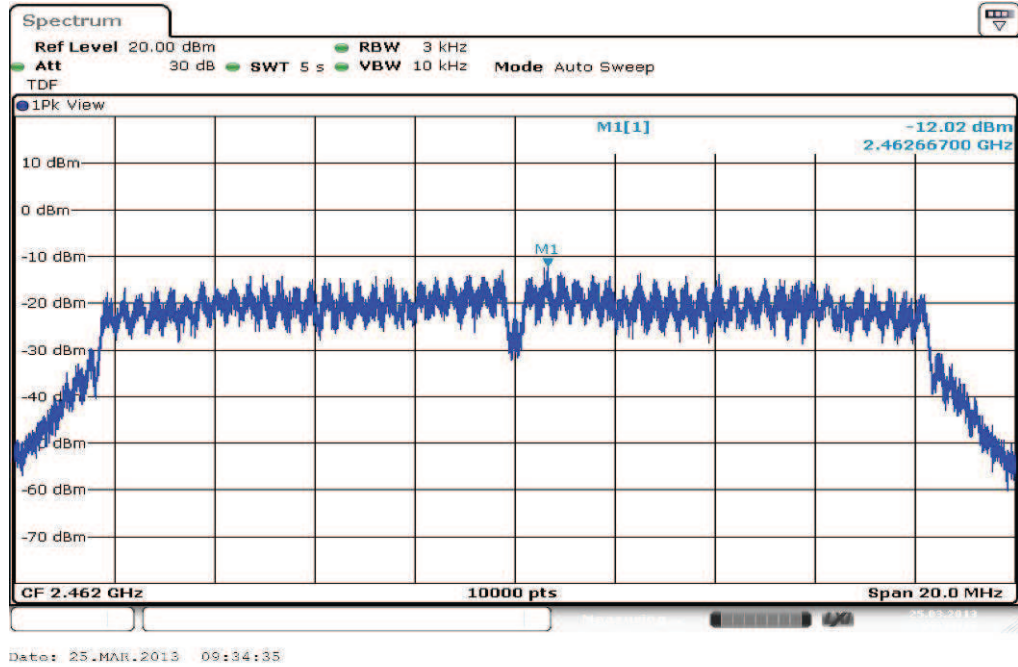
Plot 21: highest channel, b – mode, 11 Mbps



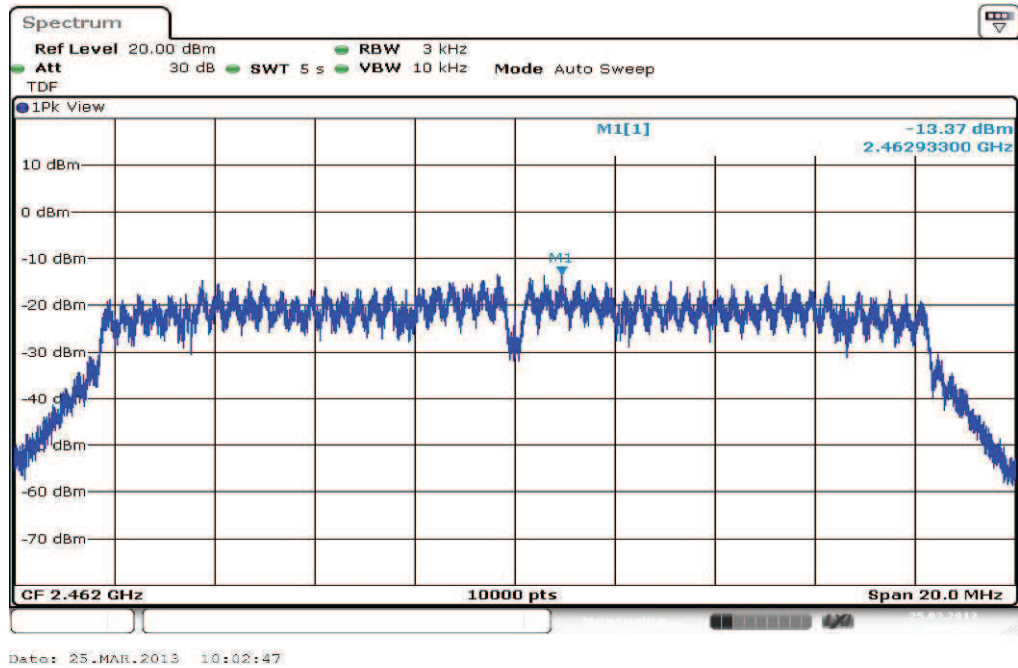
Plot 22: highest channel, g – mode, 6 Mbps



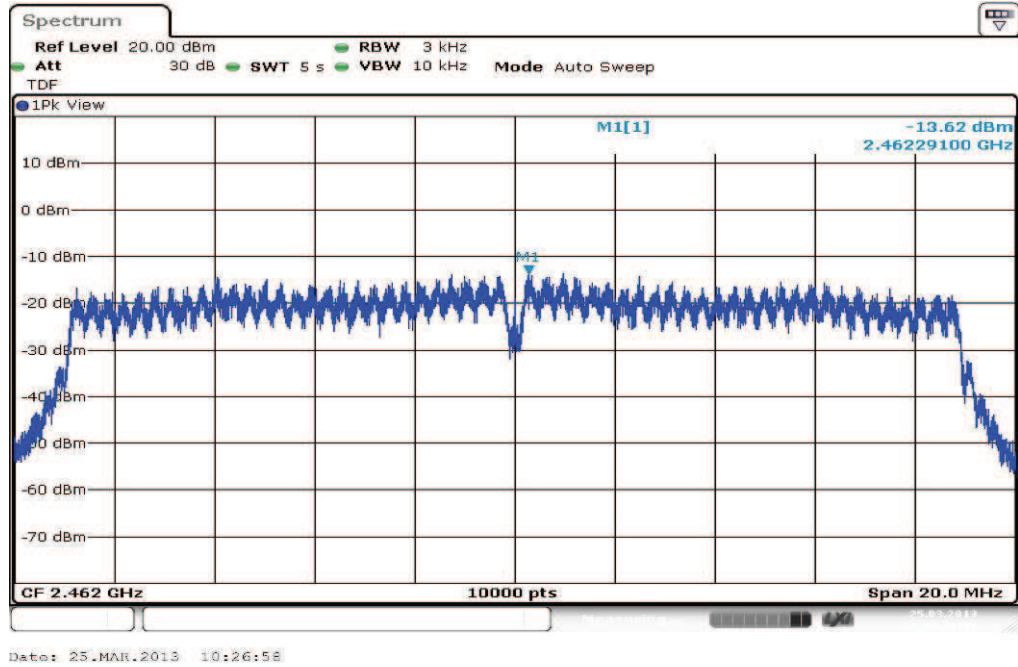
Plot 23: highest channel, g – mode, 24 Mbps



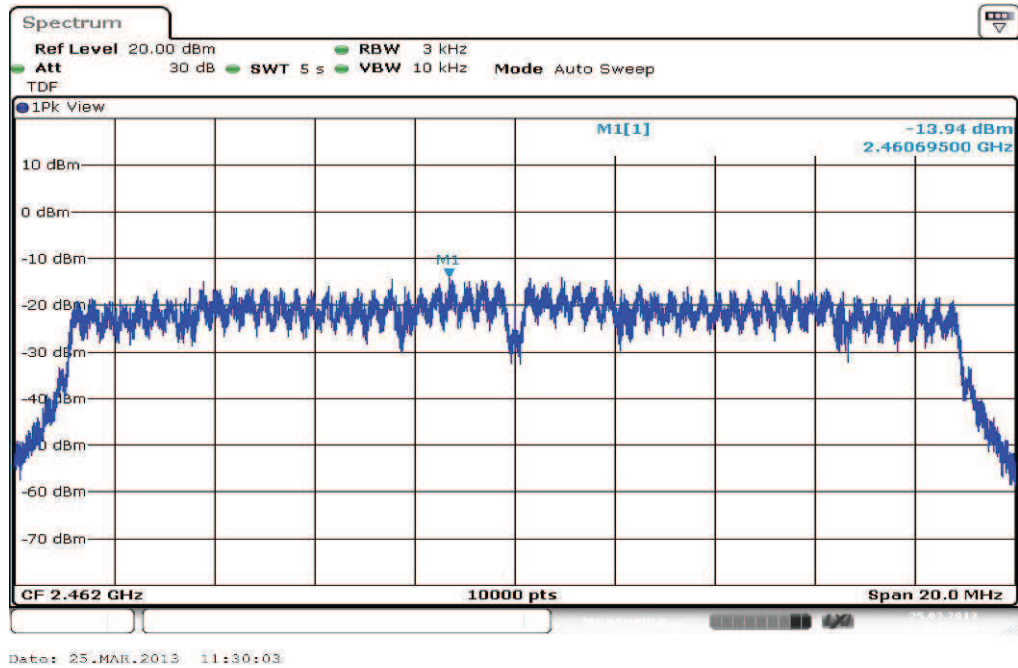
Plot 24: highest channel, g – mode, 54 Mbps



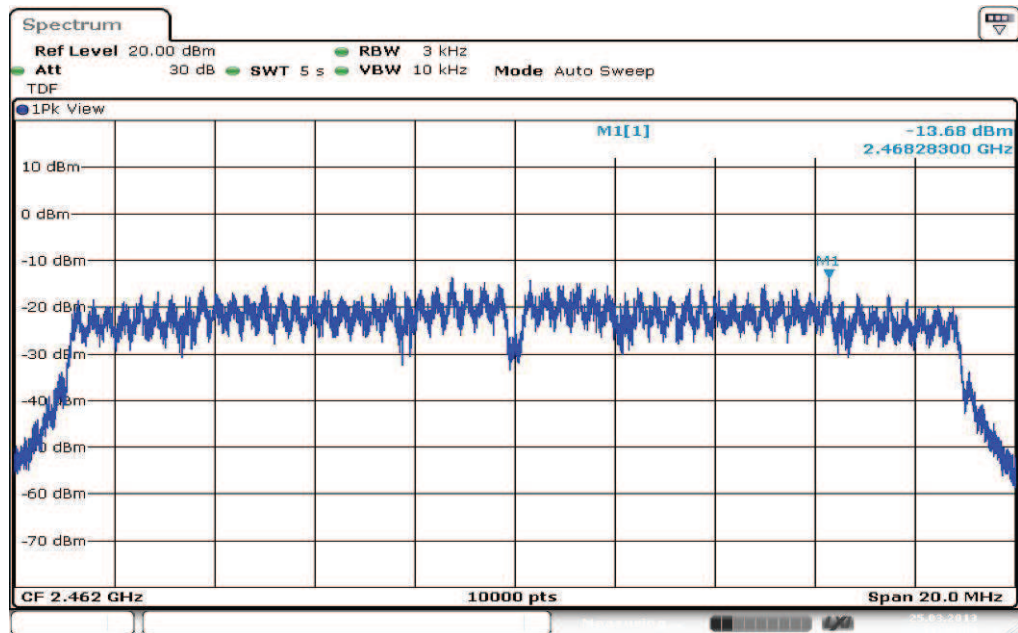
Plot 25: highest channel, n – mode, MCS 0



Plot 26: highest channel, n – mode, MCS 4



Plot 27: highest channel, n – mode, MCS 7



Date: 25.MAR.2013 11:10:03

9.6 Spectrum bandwidth – 6 dB

Description:

Measurement of the 6 dB bandwidth of the modulated signal.

Measurement:

| Measurement parameter | |
|-----------------------|---|
| Detector: | Peak |
| Sweep time: | Auto |
| Resolution bandwidth: | 1 - 5% of the DTS BW but not exceed 100 kHz |
| Video bandwidth: | ≥ 3 x RBW |
| Span: | Complete signal |
| Trace-Mode: | Max hold (allow trace to stabilize) |

Limits:

| FCC | IC |
|---|----|
| Spectrum Bandwidth – 6 dB | |
| Systems using digital modulation techniques may operate in the 2400–2483.5 MHz band. The minimum 6 dB bandwidth shall be at least 500 kHz. | |

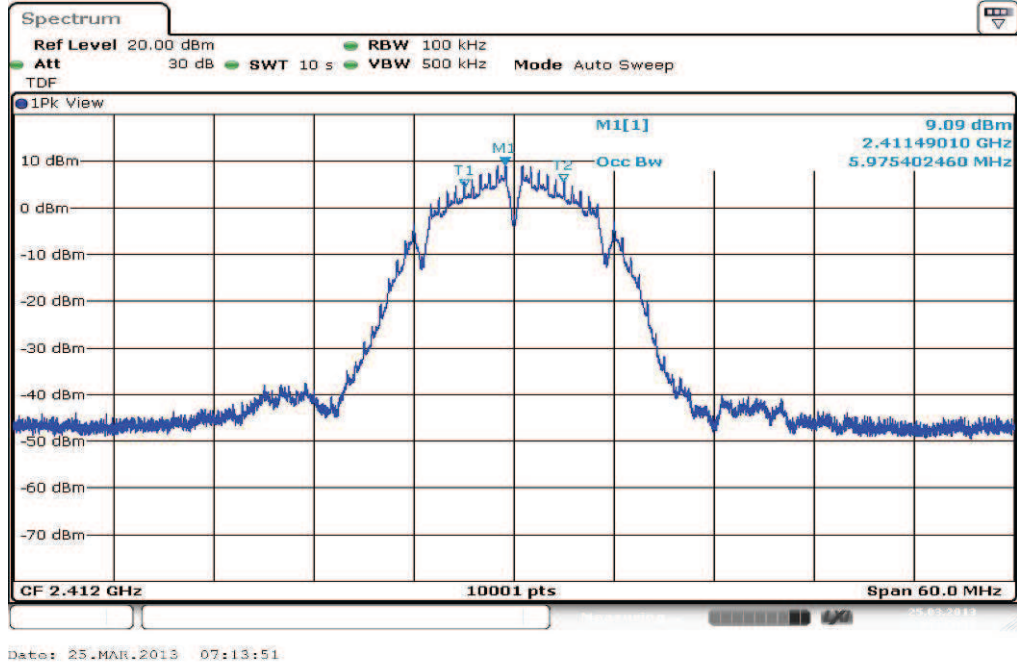
Results:

| Modulation Frequency | 6 dB bandwidth [MHz] | | |
|---------------------------|----------------------|----------|----------|
| | 2412 MHz | 2437 MHz | 2462 MHz |
| DSSS / b – mode, 1 Mbps | 5.98 | 5.98 | 5.98 |
| DSSS / b – mode, 5.5 Mbps | 5.97 | 5.97 | 5.98 |
| DSSS / b – mode, 11 Mbps | 5.84 | 5.84 | 5.84 |
| OFDM / g – mode, 6 Mbps | 11.37 | 11.36 | 11.37 |
| OFDM / g – mode, 24 Mbps | 11.34 | 11.31 | 11.29 |
| OFDM / g – mode, 54 Mbps | 11.34 | 11.33 | 11.36 |
| OFDM / n – mode, MCS 0 | 11.97 | 11.93 | 11.94 |
| OFDM / n – mode, MCS 4 | 11.90 | 11.87 | 11.90 |
| OFDM / n – mode, MCS 7 | 11.91 | 11.89 | 11.94 |
| Measurement uncertainty | ± RBW | | |

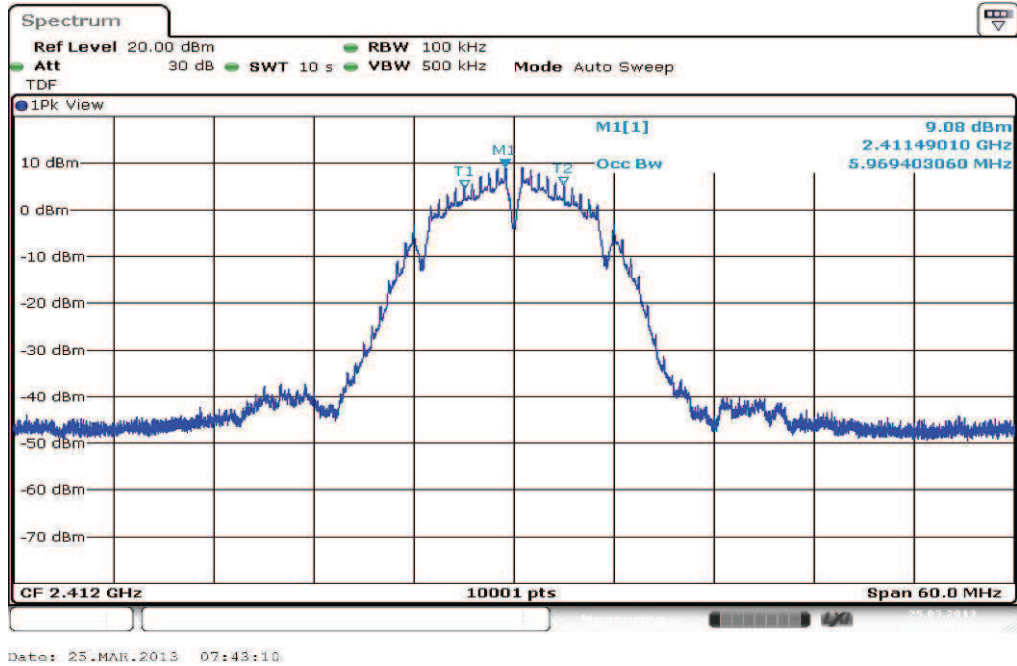
Result: Passed

Plots:

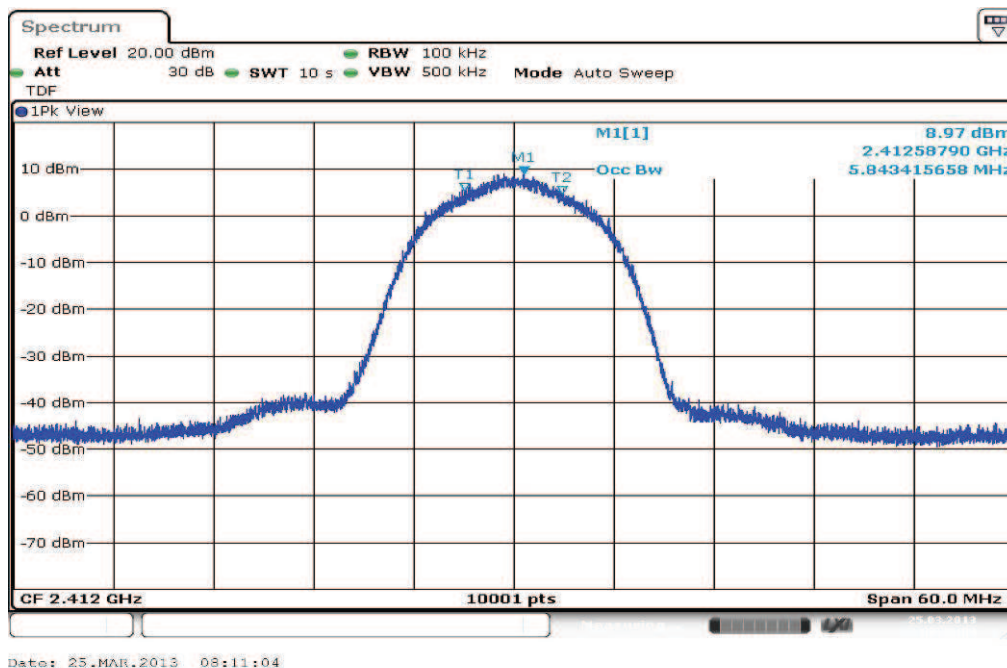
Plot 1: lowest channel, b – mode, 1 Mbps



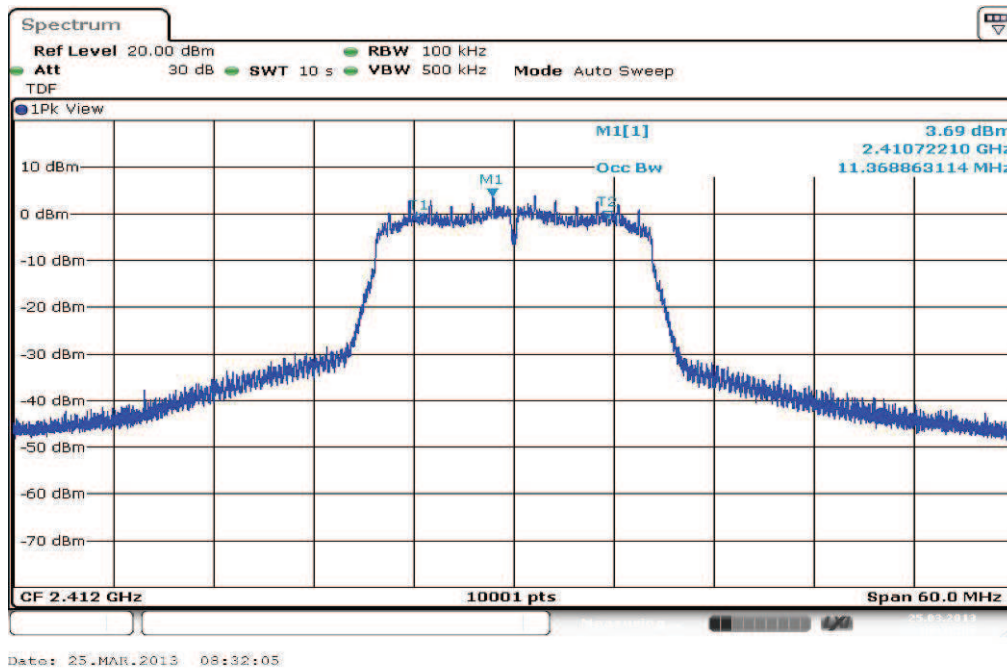
Plot 2: lowest channel, b – mode, 5.5 Mbps



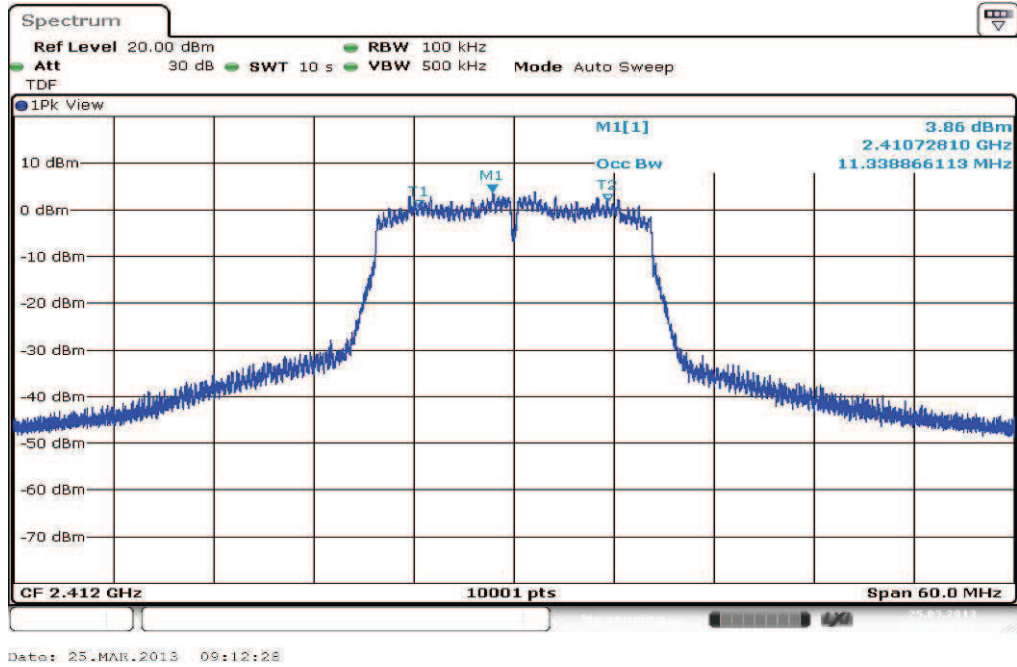
Plot 3: lowest channel, b – mode, 11 Mbps



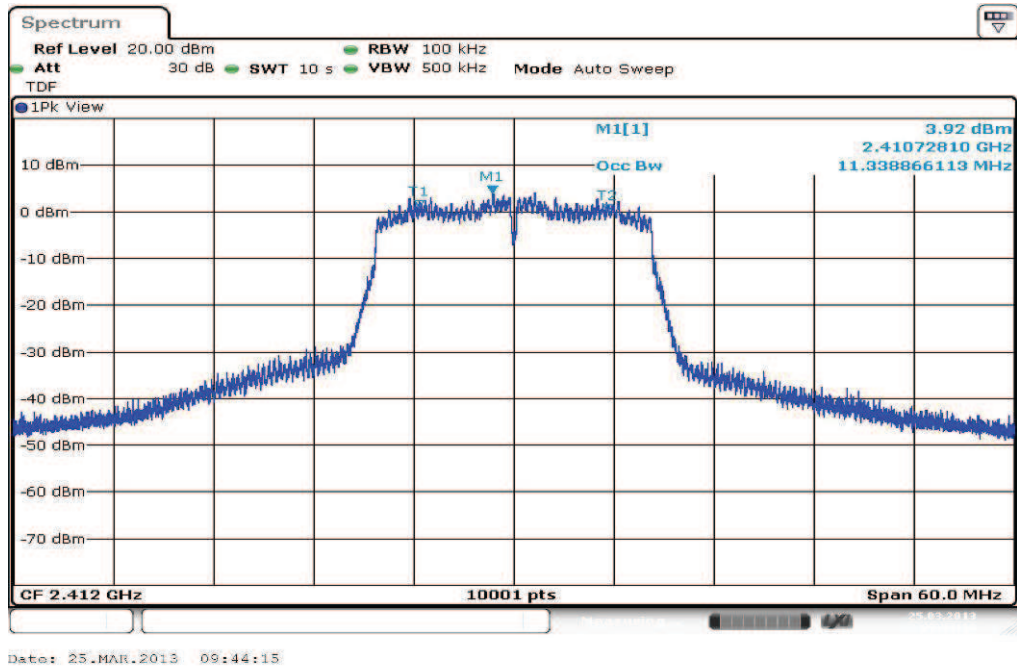
Plot 4: lowest channel, g – mode, 6 Mbps



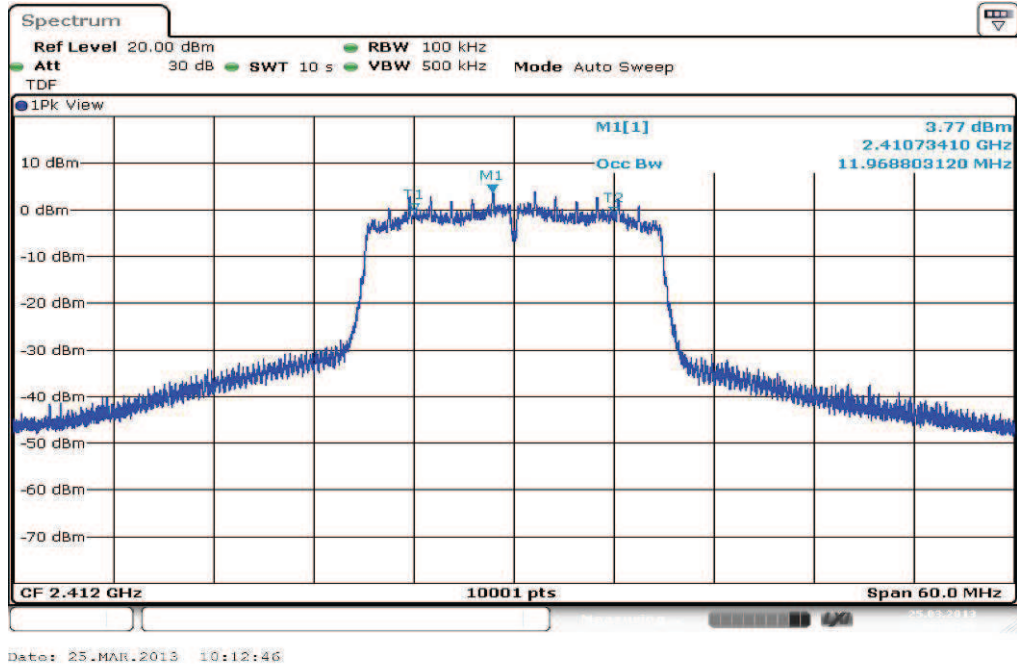
Plot 5: lowest channel, g – mode, 24 Mbps



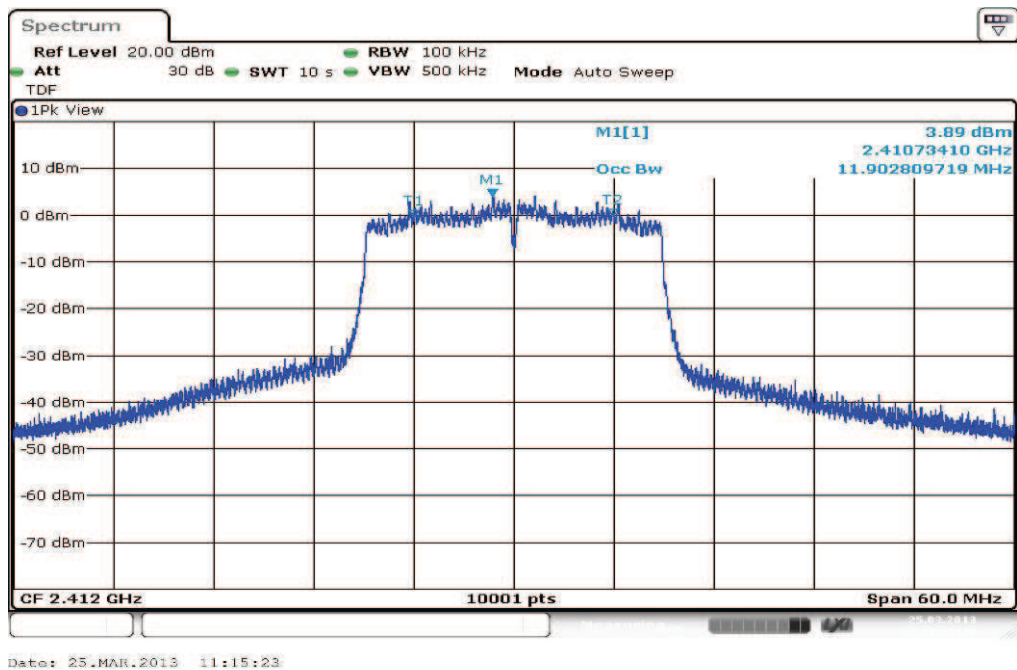
Plot 6: lowest channel, g – mode, 54 Mbps



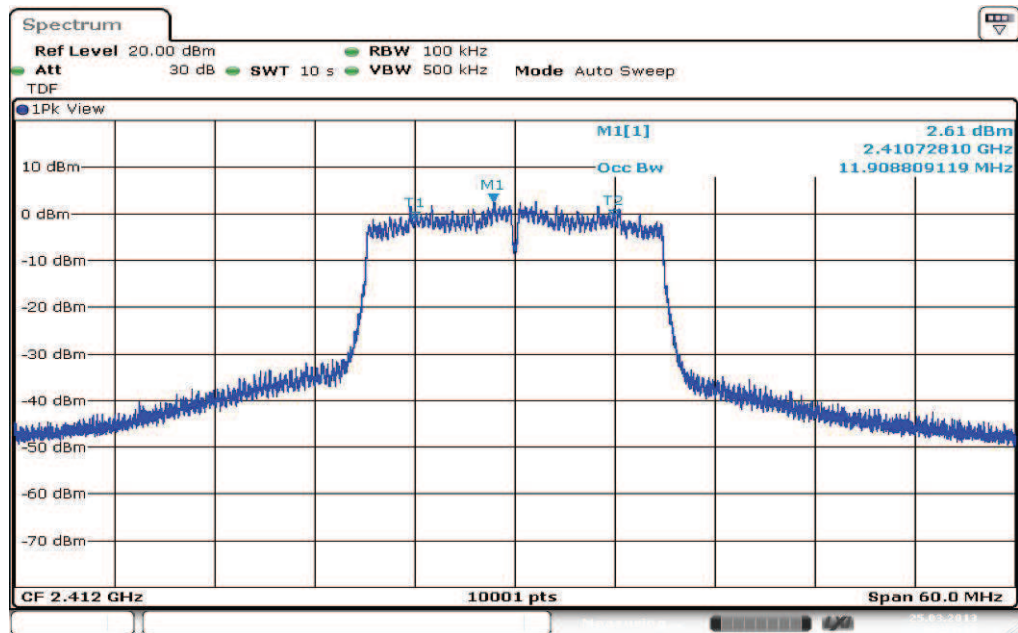
Plot 7: lowest channel, n – mode, MCS 0



Plot 8: lowest channel, n – mode, MCS 4

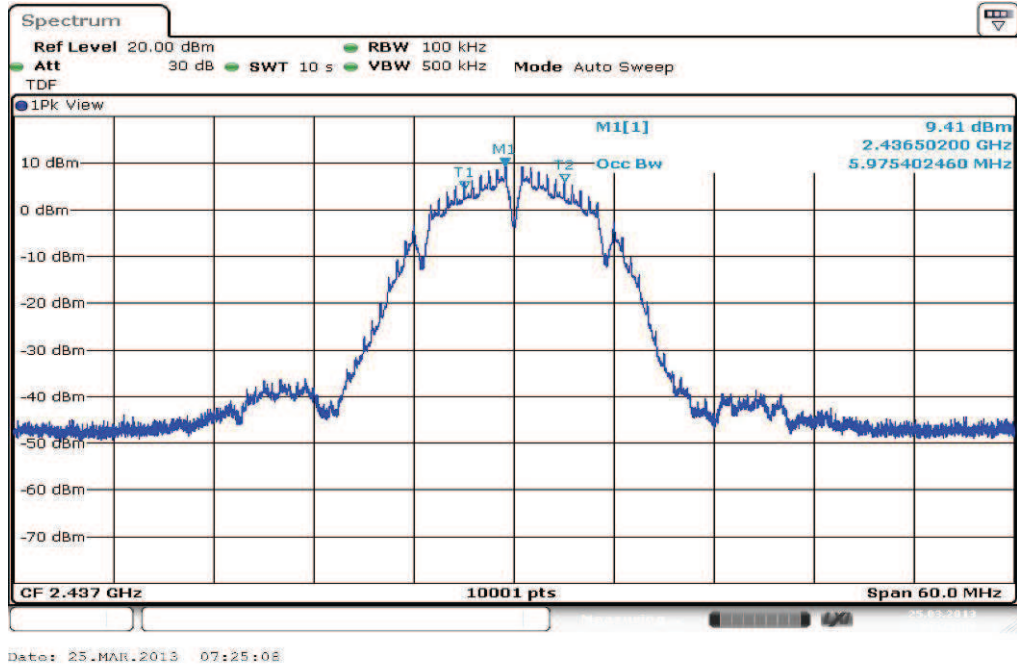


Plot 9: lowest channel, n – mode, MCS 7

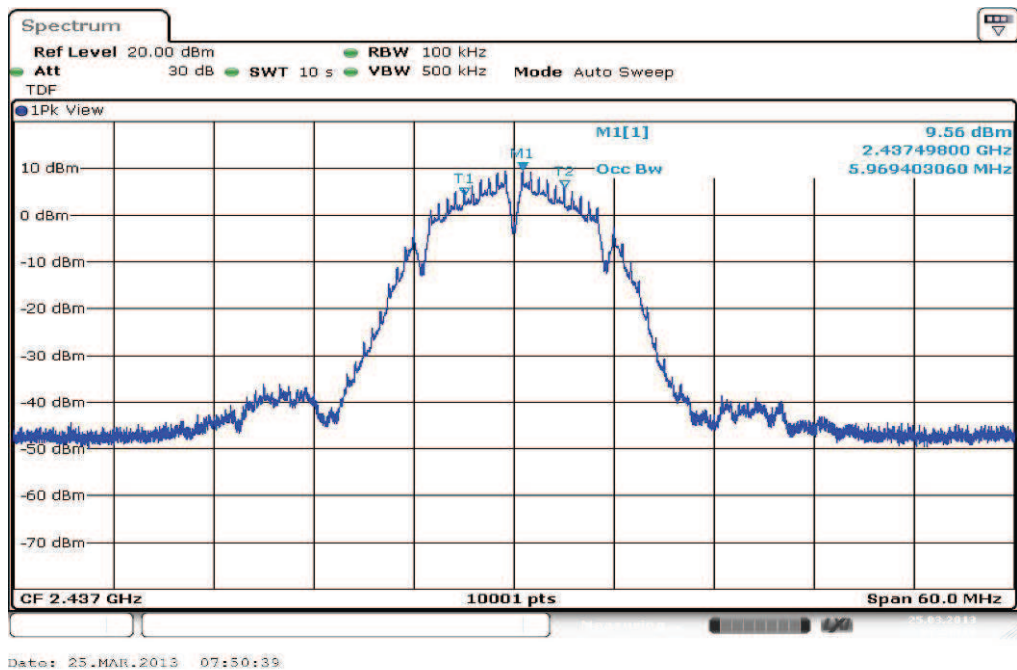


Date: 25.MAR.2013 10:55:11

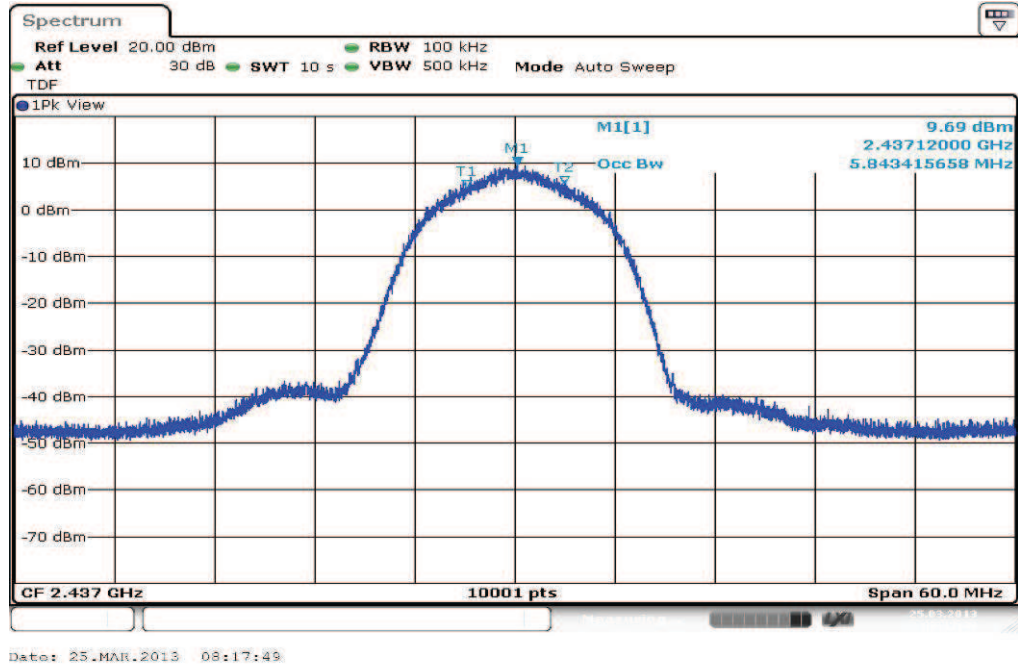
Plot 10: middle channel, b – mode, 1 Mbps



Plot 11: middle channel, b – mode, 5.5 Mbps



Plot 12: middle channel, b – mode, 11 Mbps



Plot 13: middle channel, g – mode, 6 Mbps

