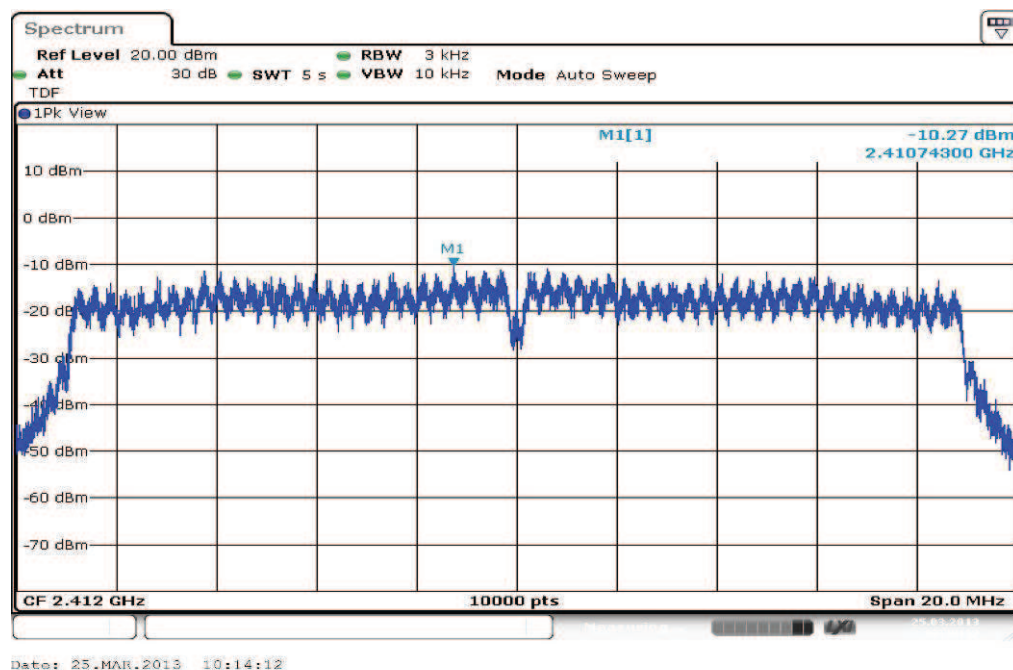
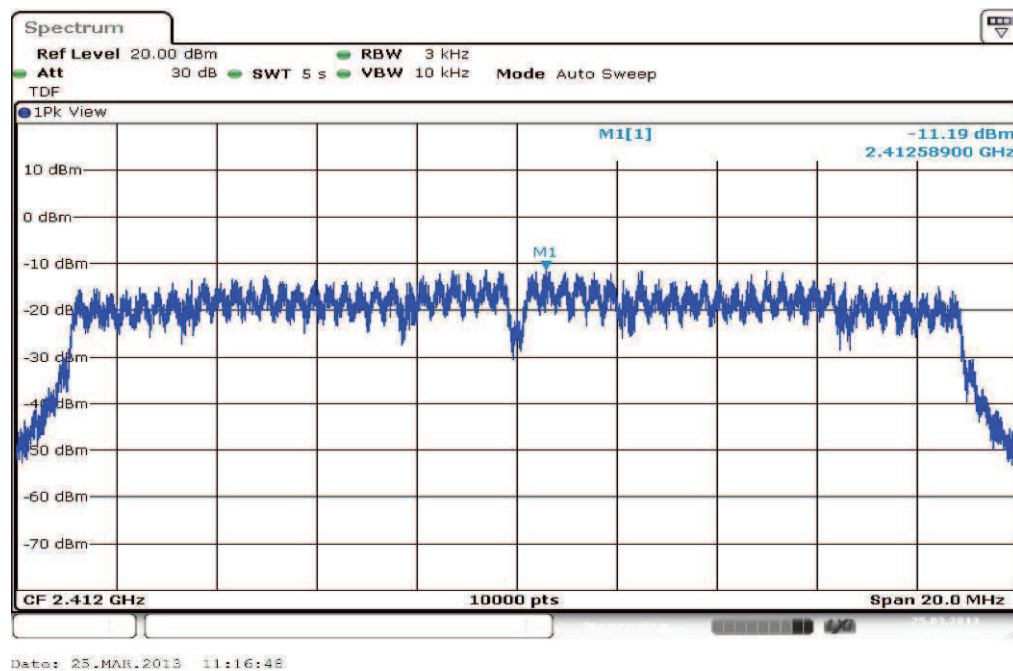
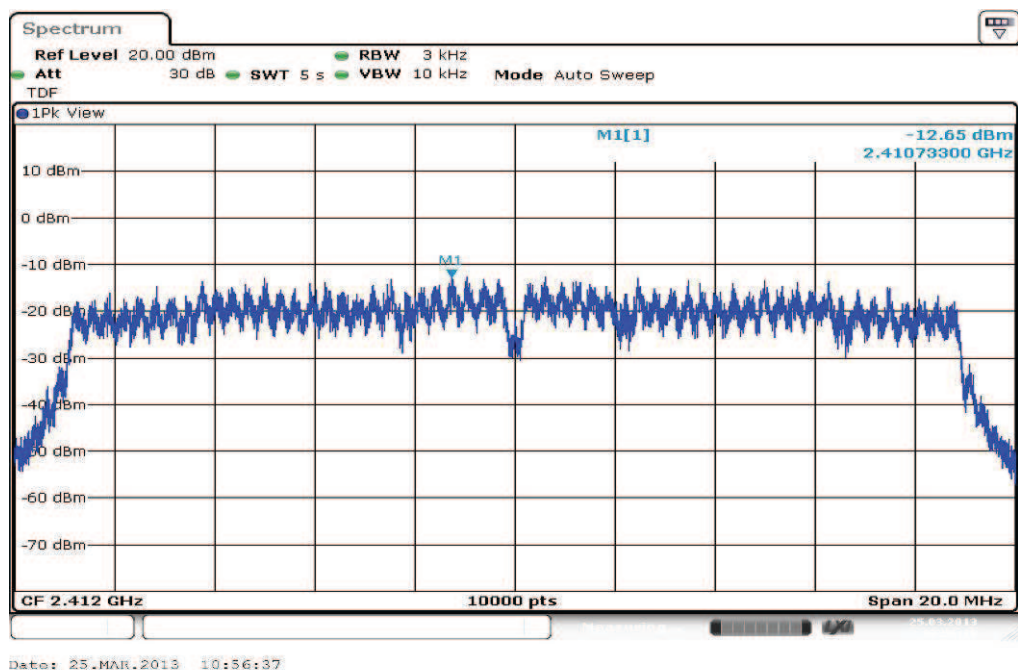


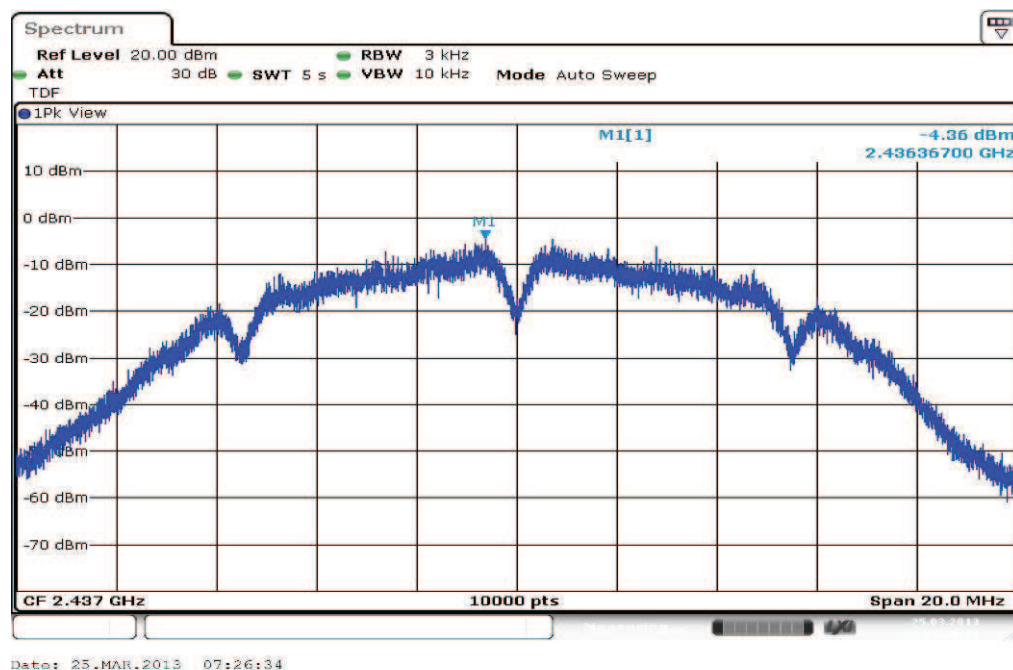
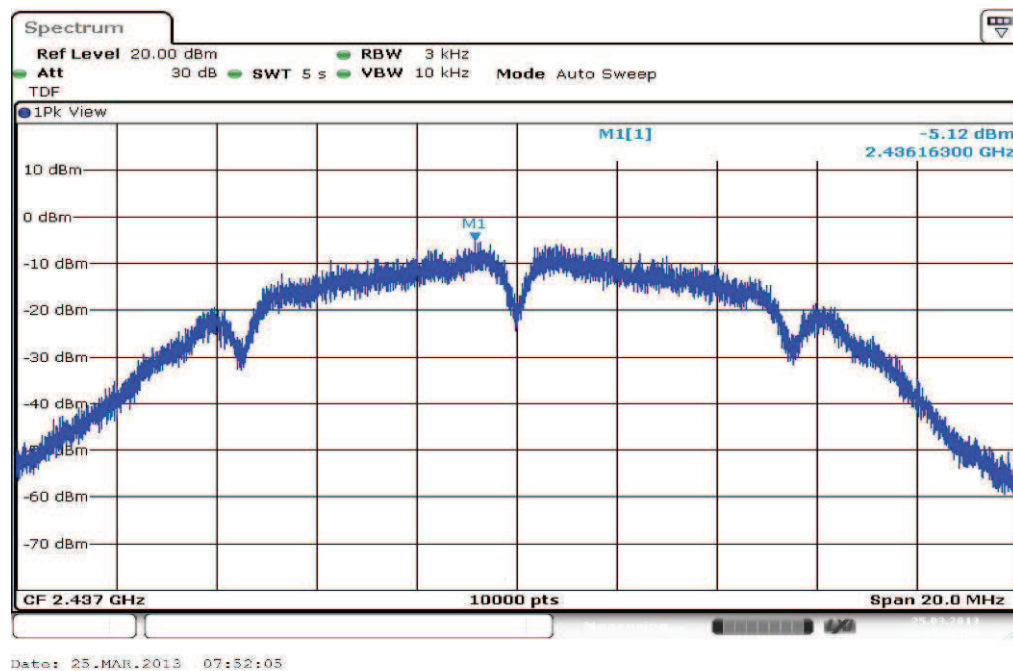
Plot 7: lowest channel, n – mode, MCS 0

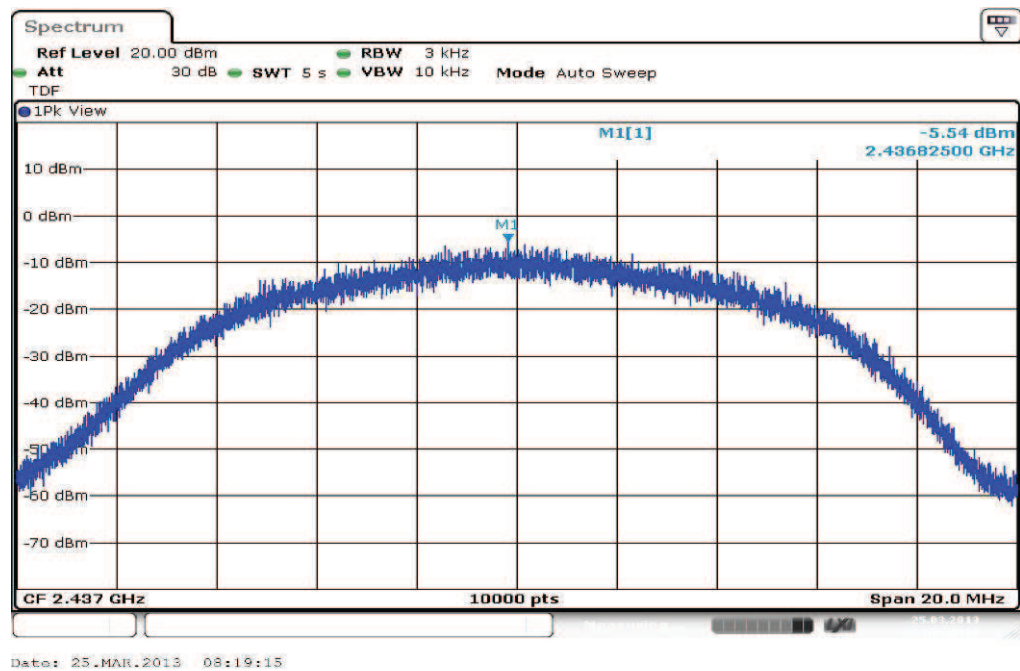
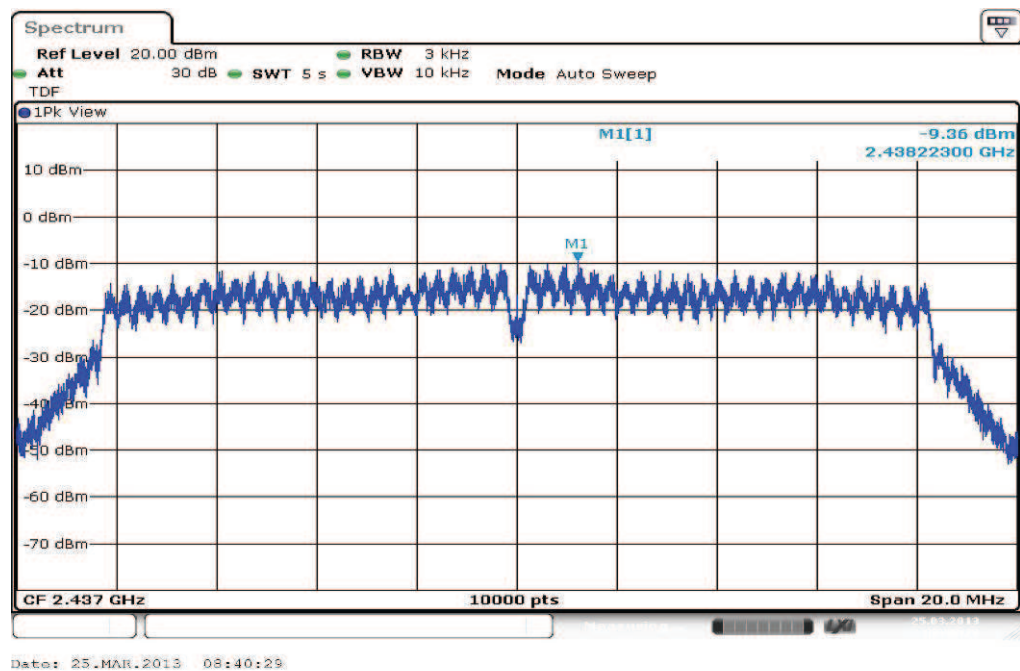


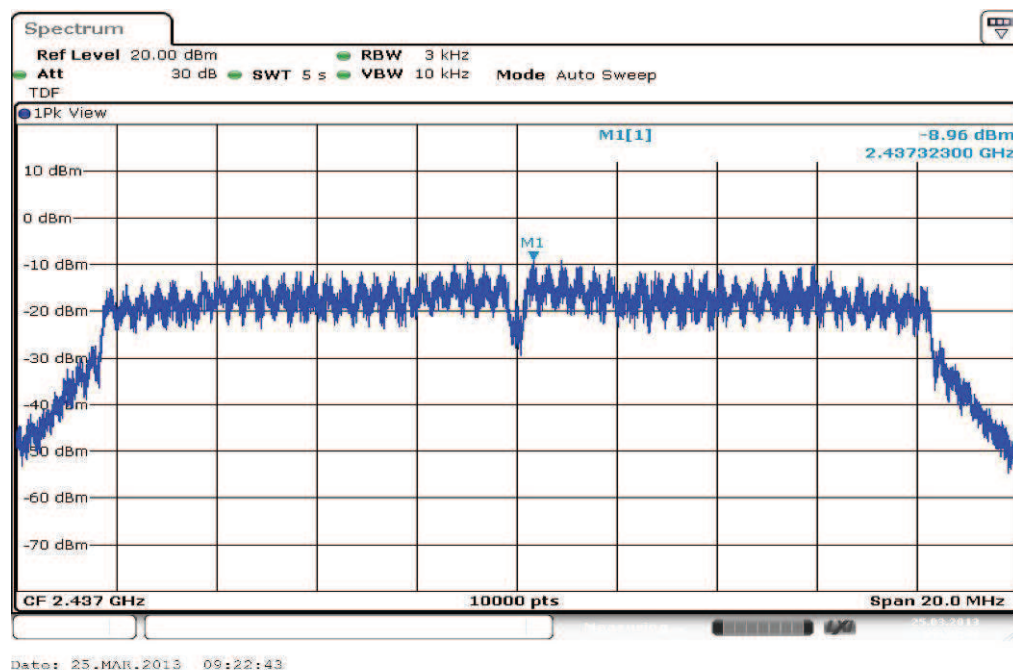
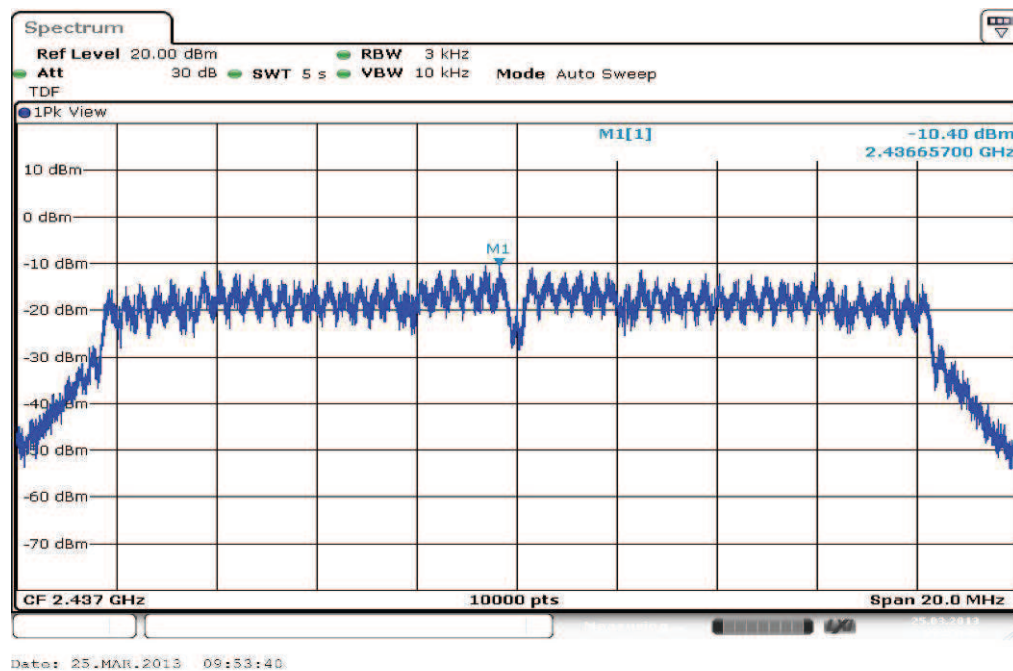
Plot 8: lowest channel, n – mode, MCS 4

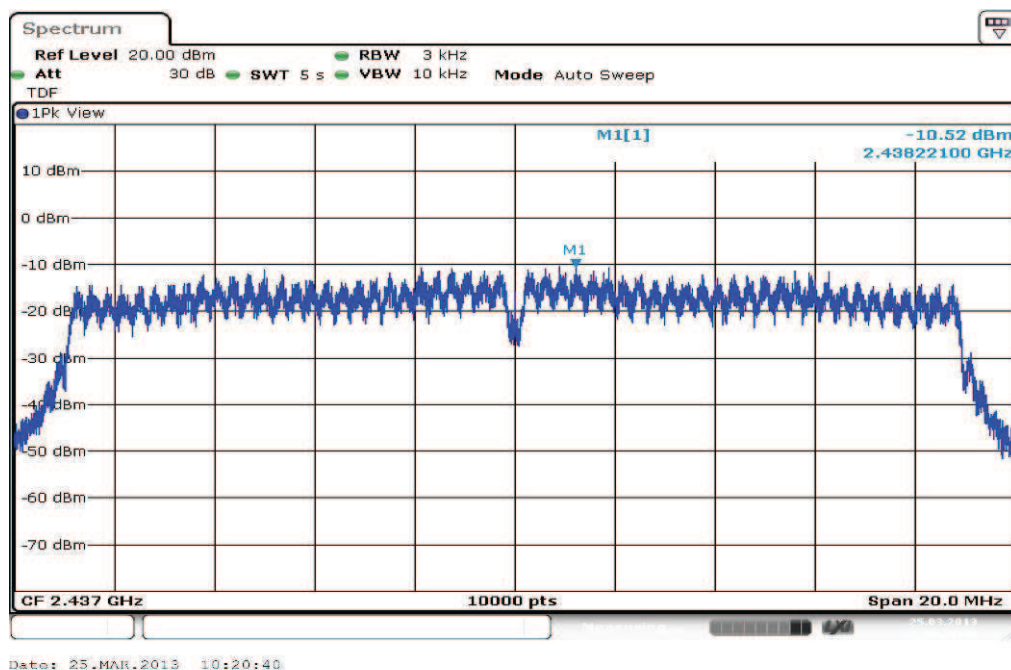
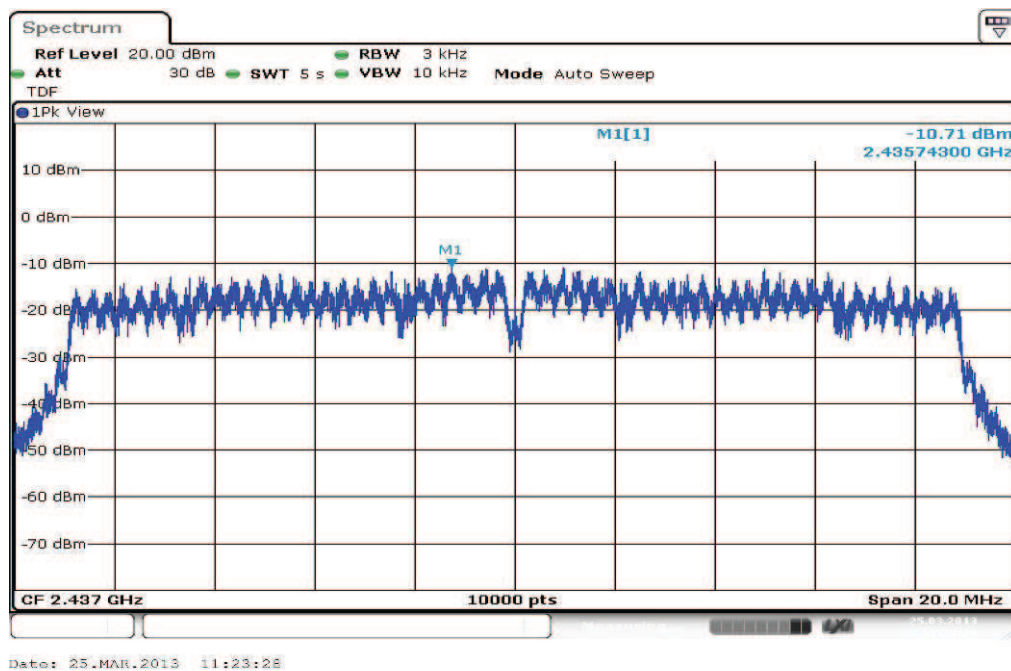


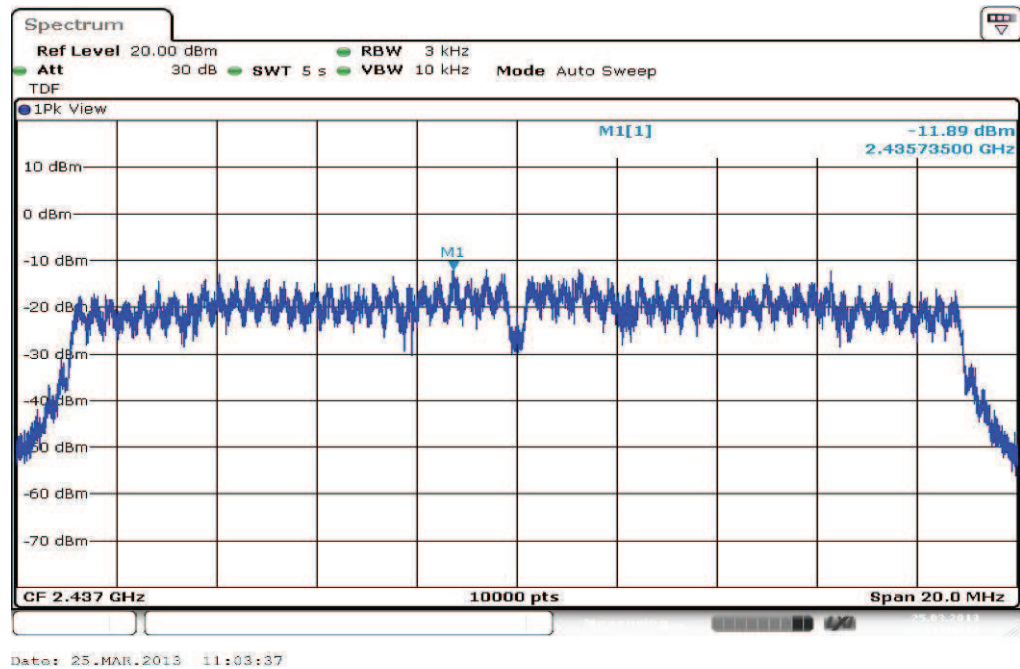
Plot 9: lowest channel, n – mode, MCS 7

Plot 10: middle channel, b – mode, 1 Mbps**Plot 11:** middle channel, b – mode, 5.5 Mbps

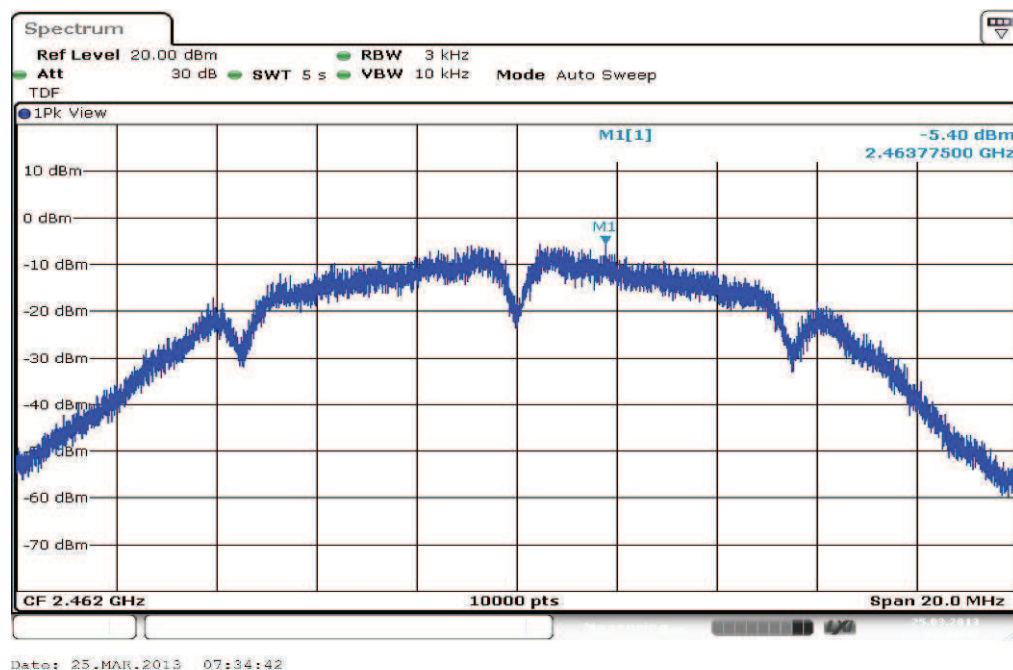
Plot 12: middle channel, b – mode, 11 Mbps**Plot 13:** middle channel, g – mode, 6 Mbps

Plot 14: middle channel, g – mode, 24 Mbps**Plot 15:** middle channel, g – mode, 54 Mbps

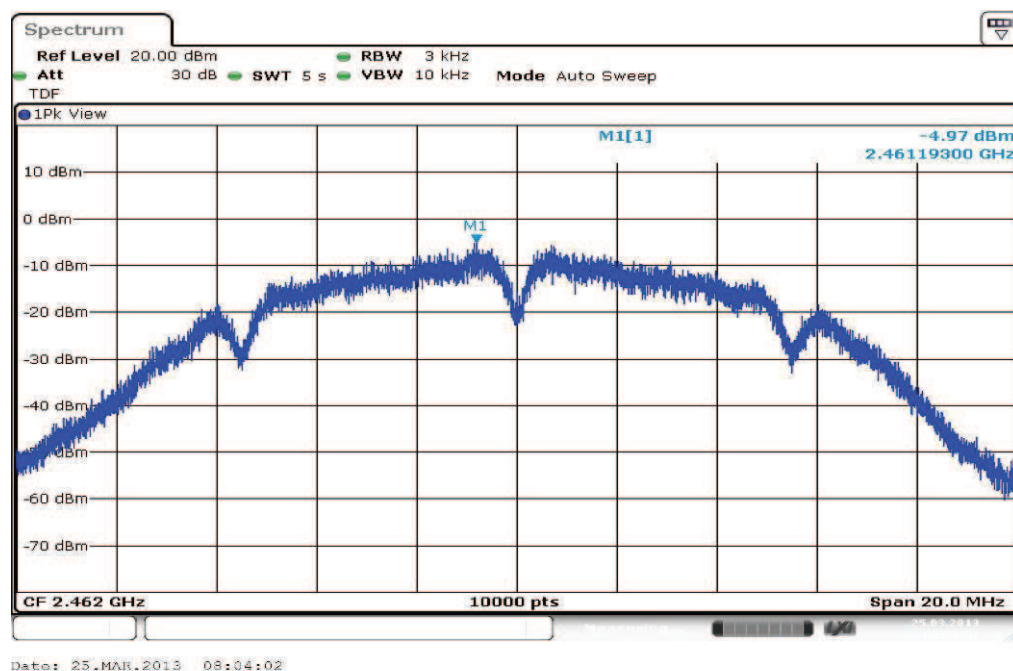
Plot 16: middle channel, n – mode, MCS 0**Plot 17:** middle channel, n – mode, MCS 4

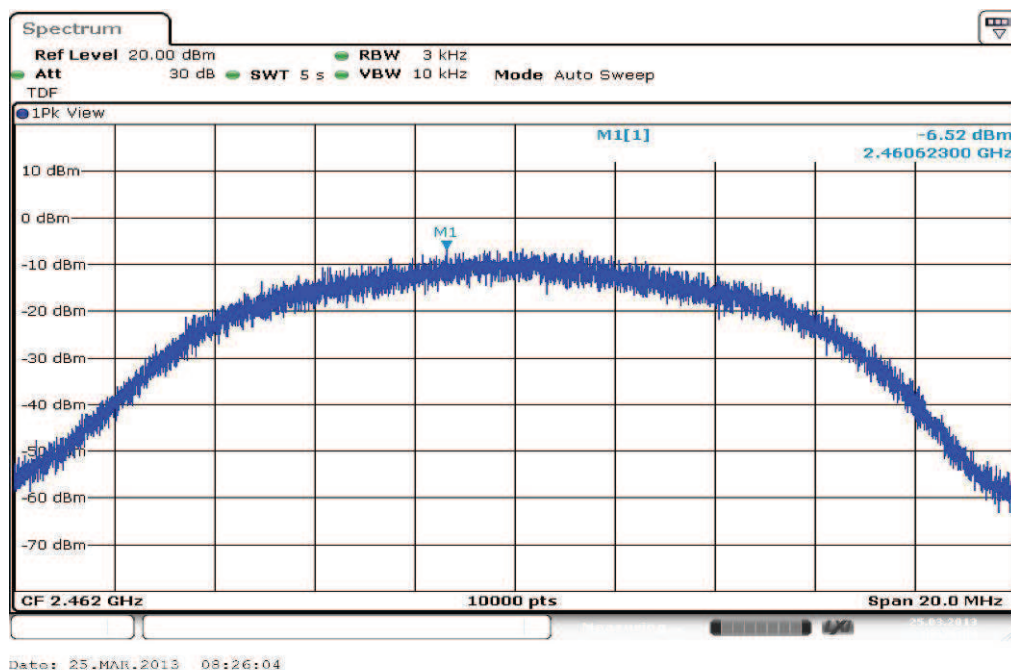
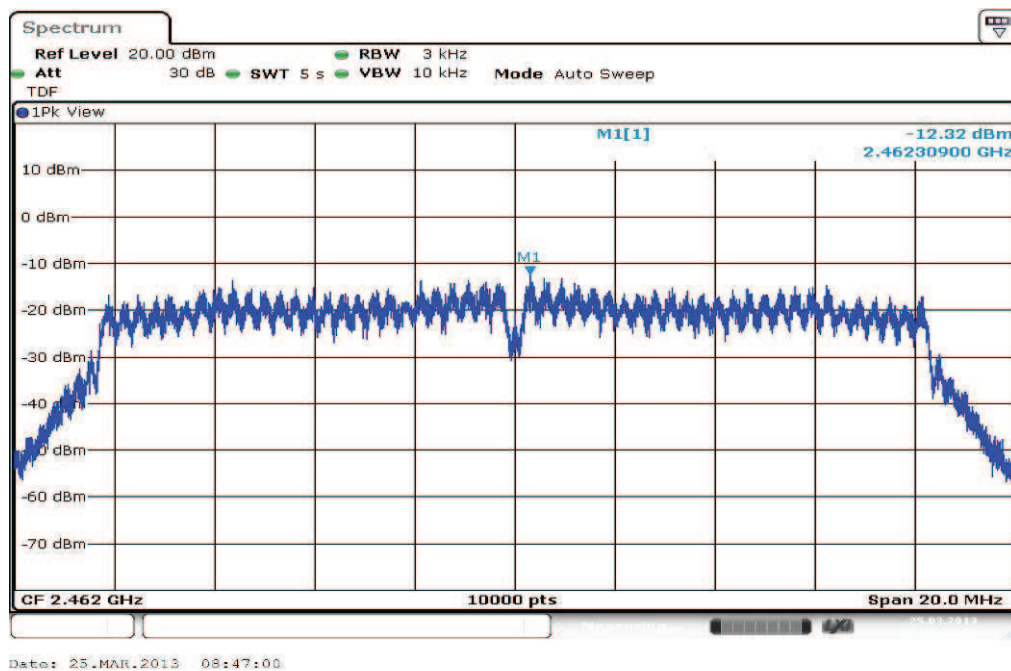
Plot 18: middle channel, n – mode, MCS 7

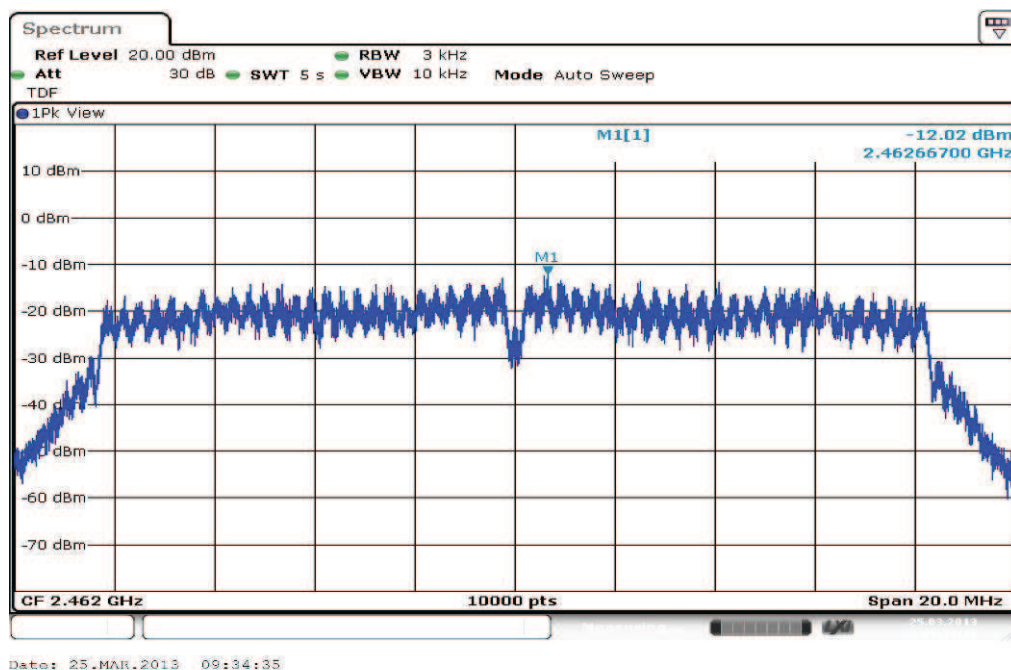
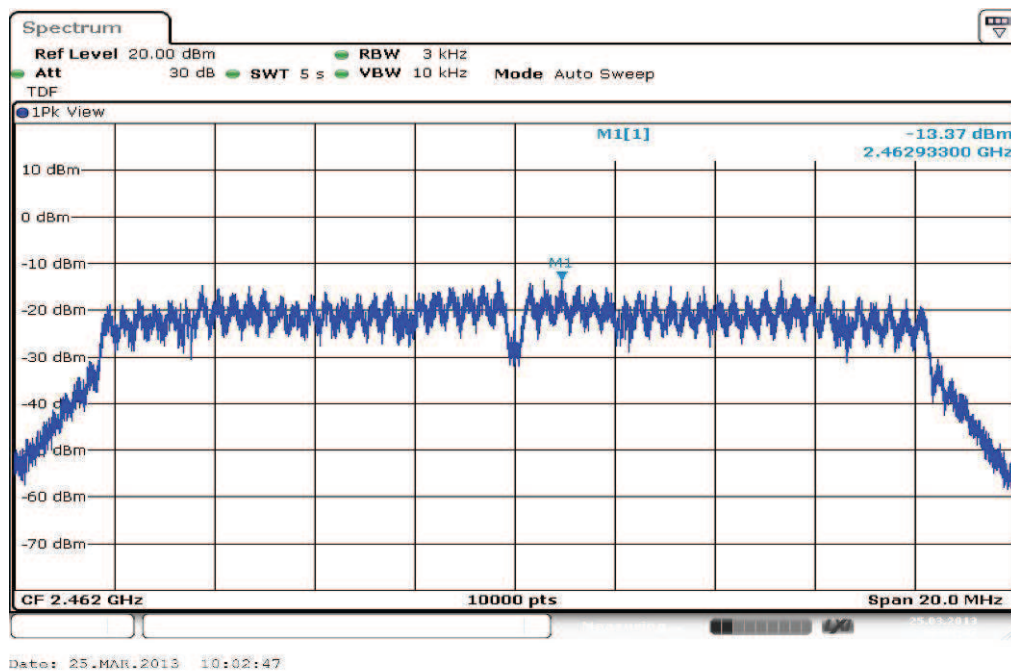
Plot 19: highest channel, b – mode, 1 Mbps

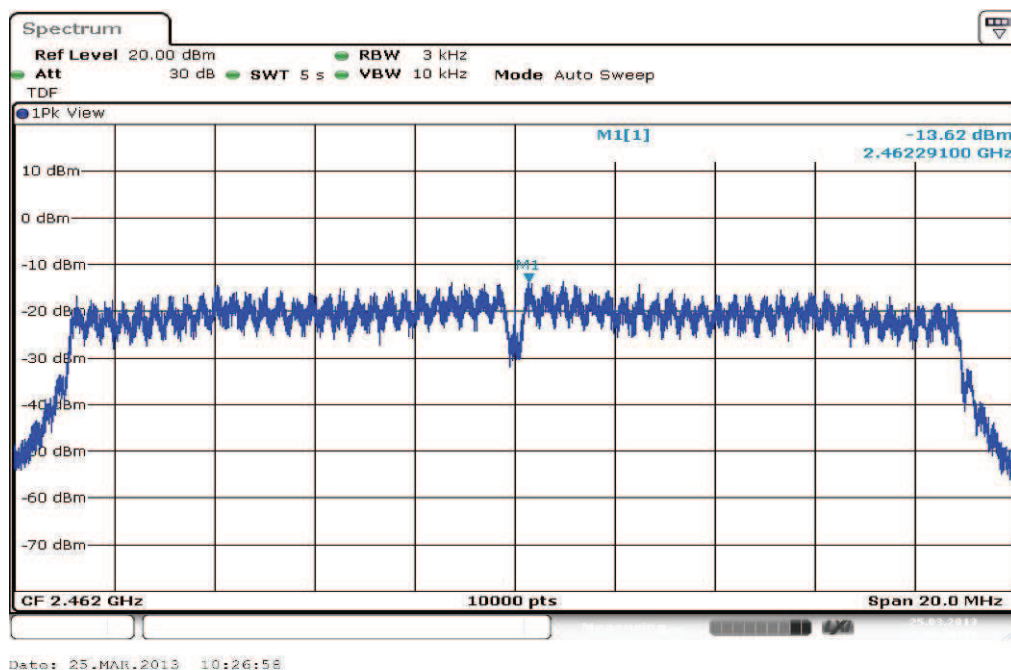
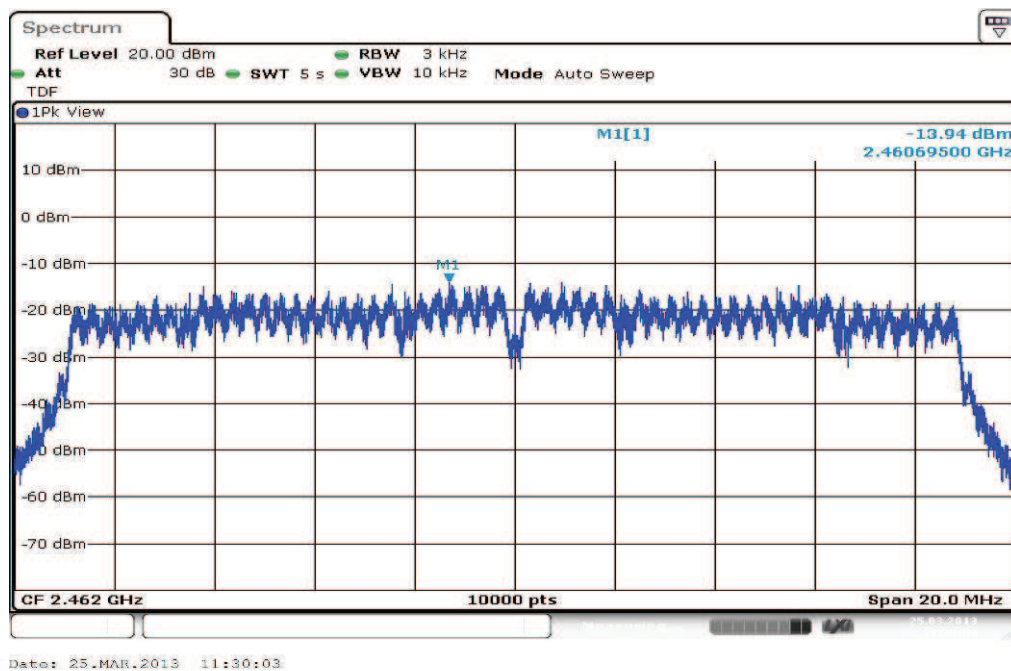


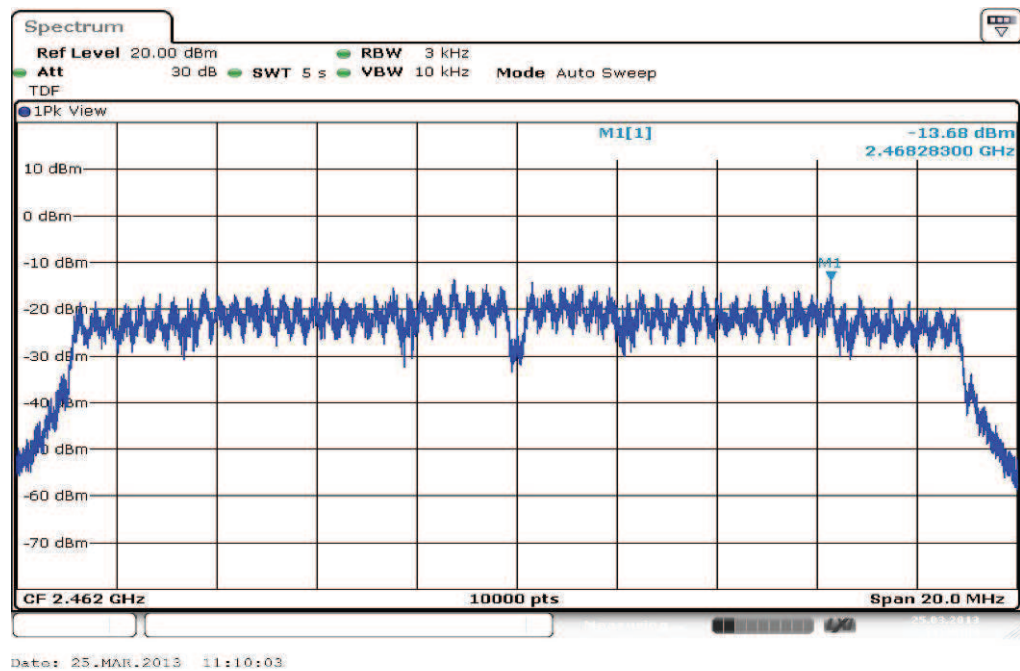
Plot 20: highest channel, b – mode, 5.5 Mbps



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

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:	$\geq 3 \times \text{RBW}$
Span:	Complete signal
Trace-Mode:	Max hold (allow trace to stabilize)

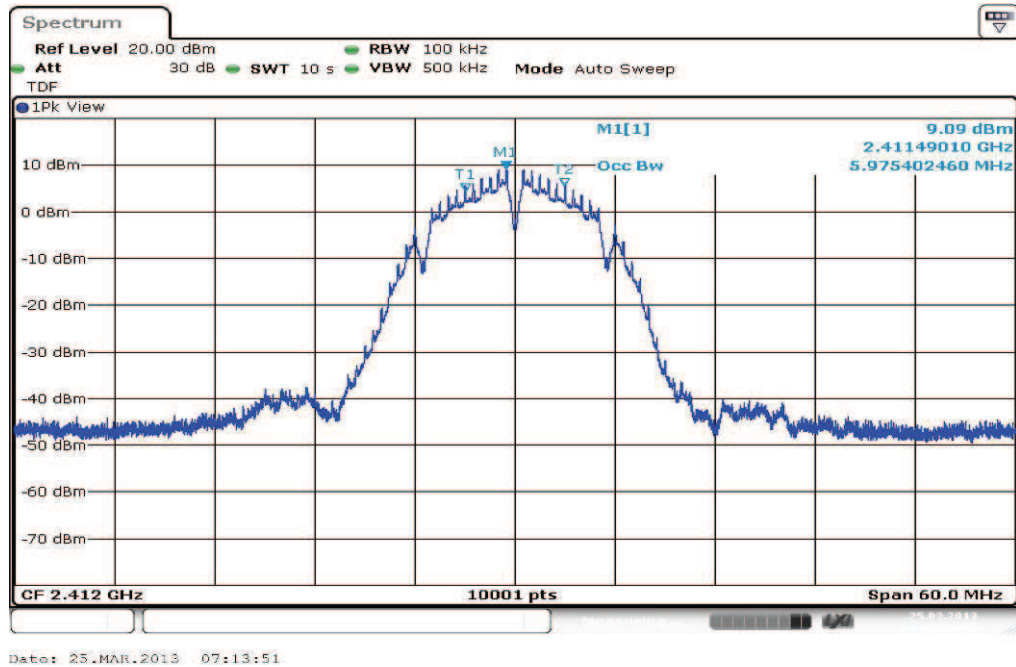
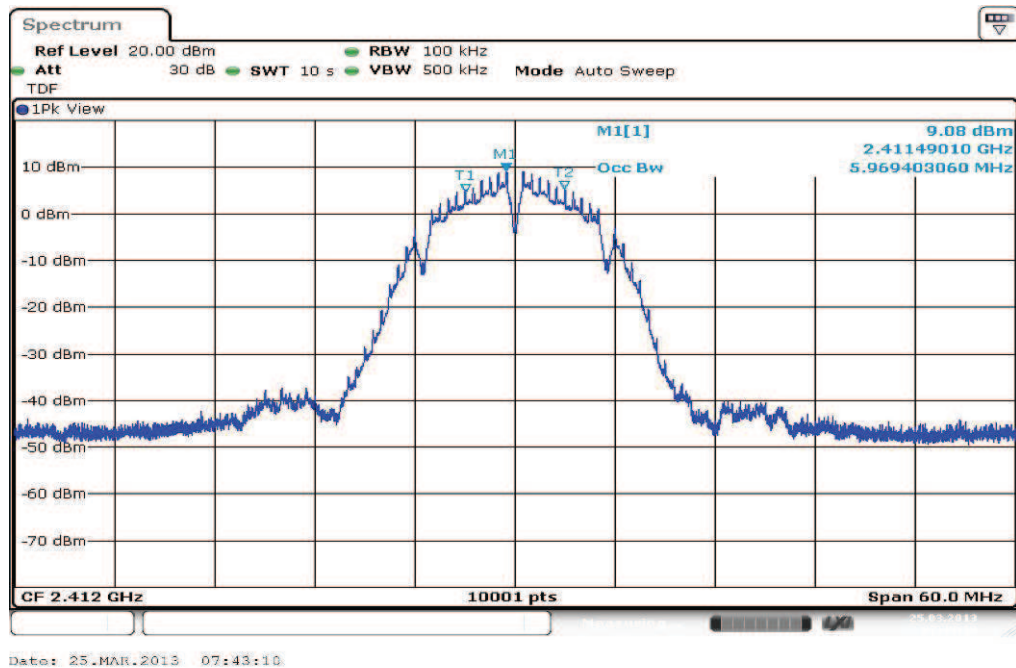
Limits:

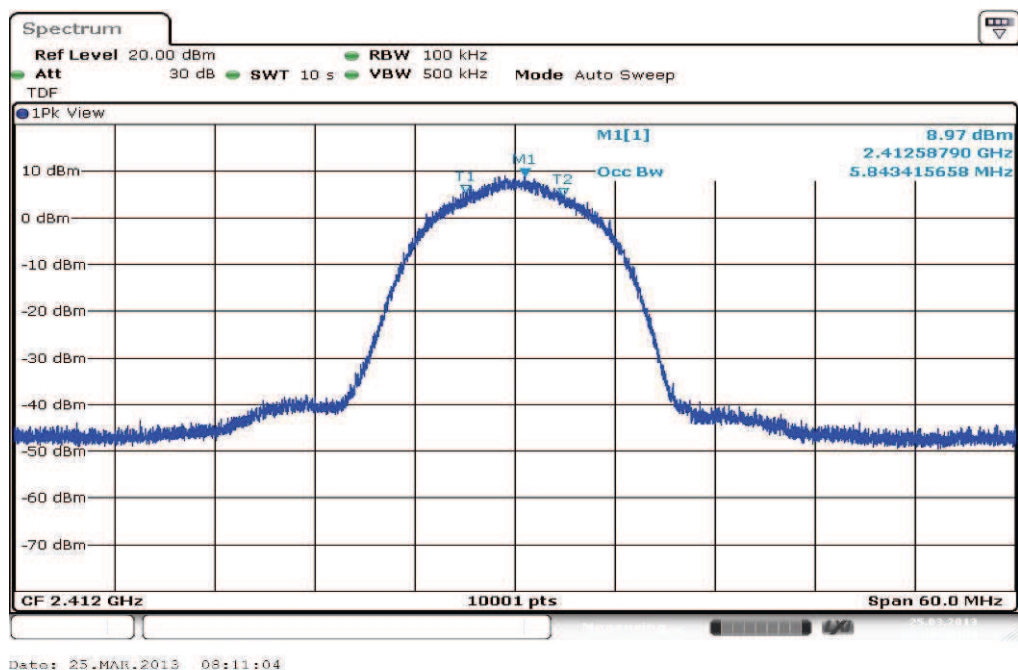
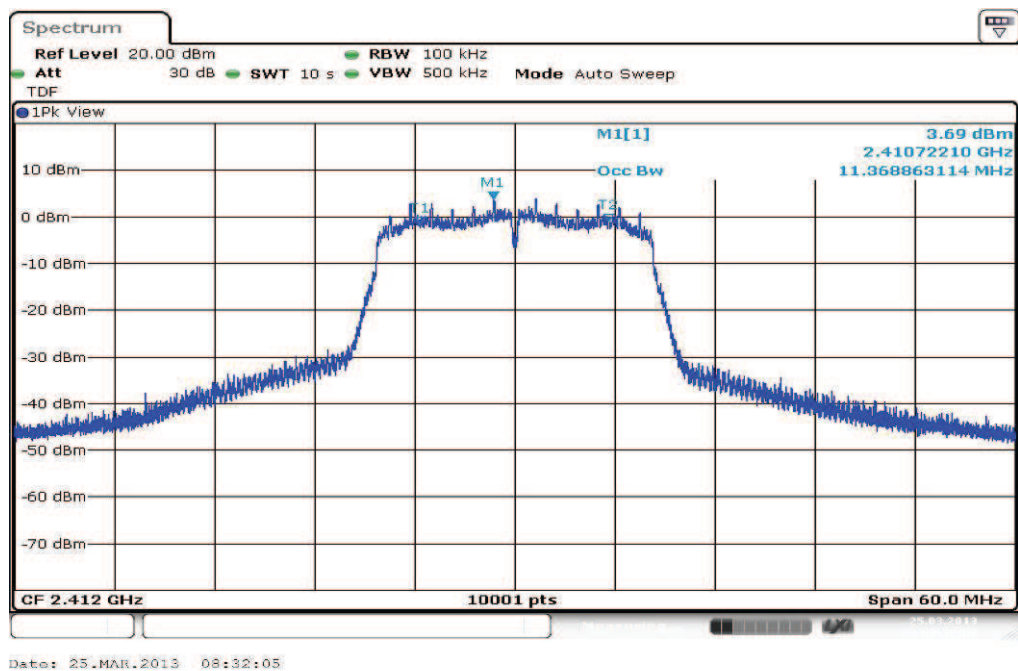
FCC	IC
Spectrum Bandwidth – 6 dB	
Systems using digital modulation techniques may operate in the 2400–2483.5 MHz band. The minimum 6 dB bandwidth shall be at least 500 kHz.	

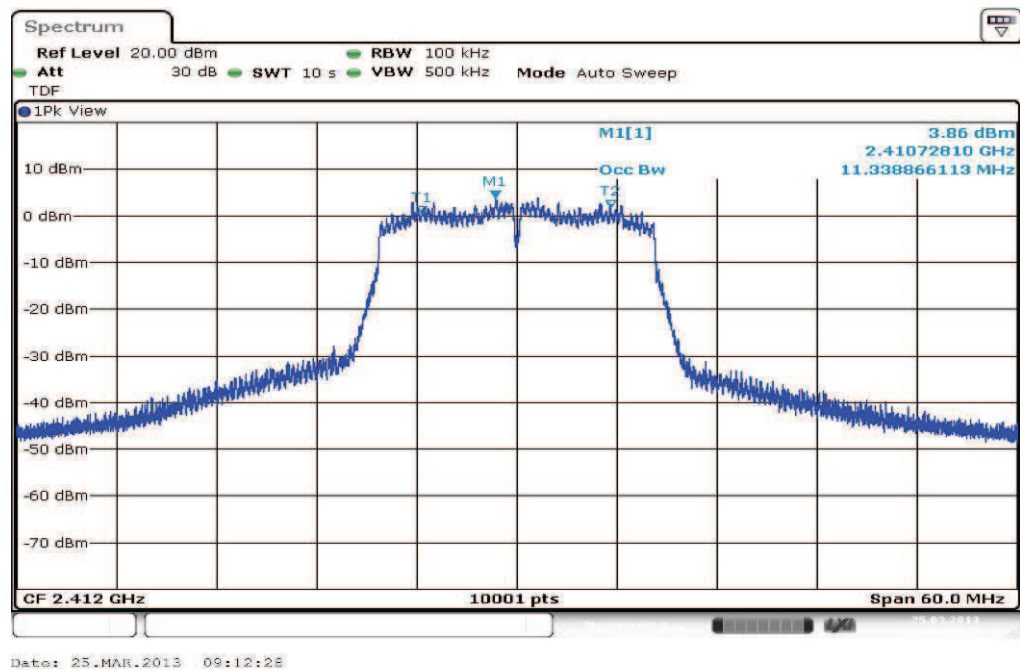
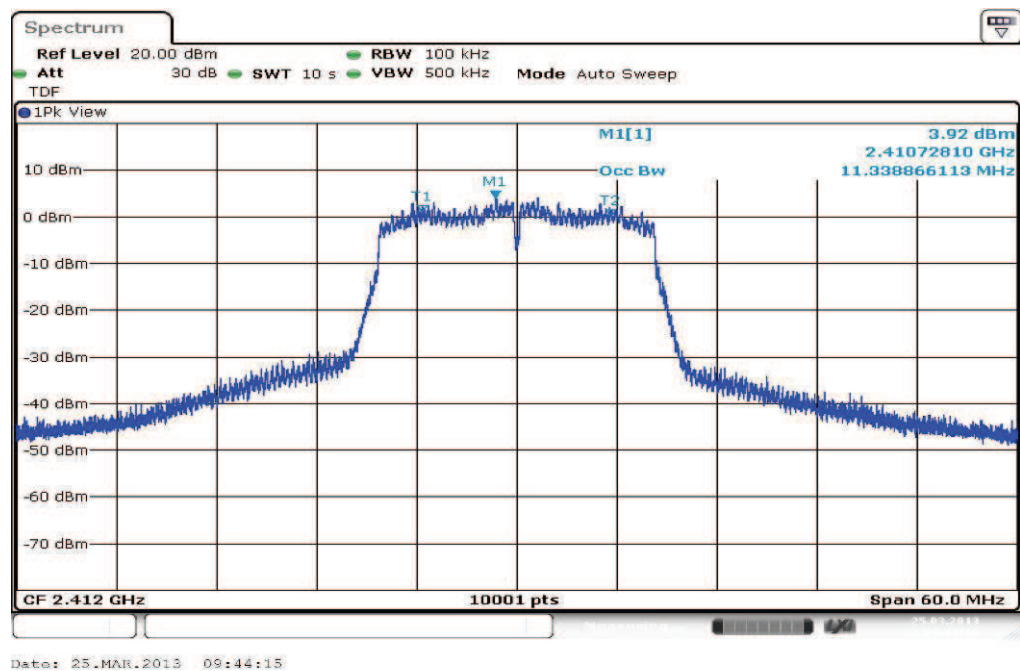
Results:

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	$\pm \text{RBW}$		

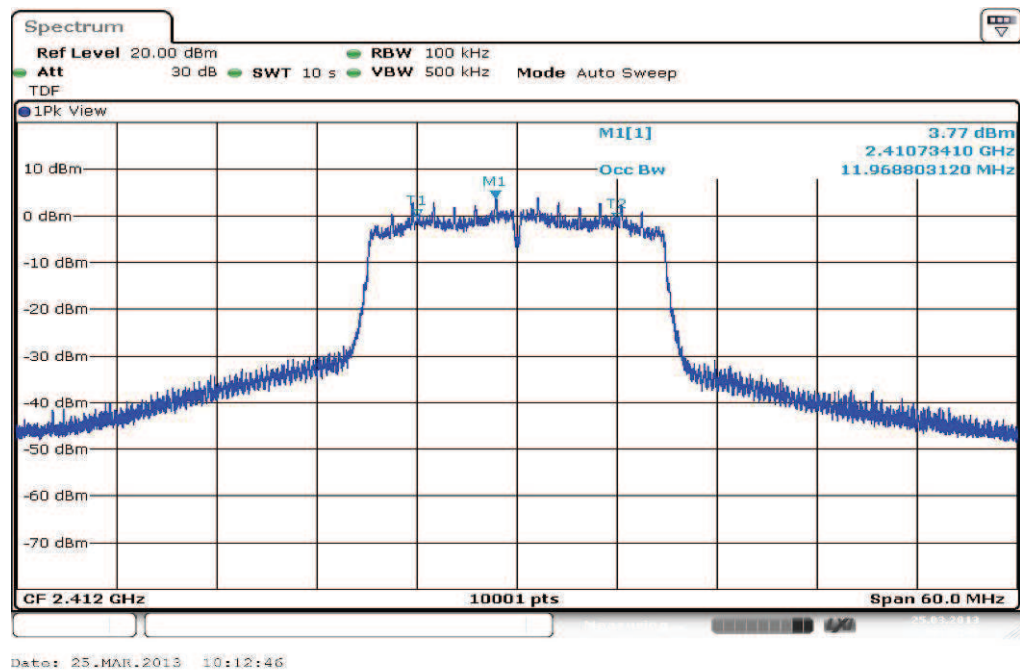
Result: Passed

Plots:**Plot 1:** lowest channel, b – mode, 1 Mbps**Plot 2:** lowest channel, b – mode, 5.5 Mbps

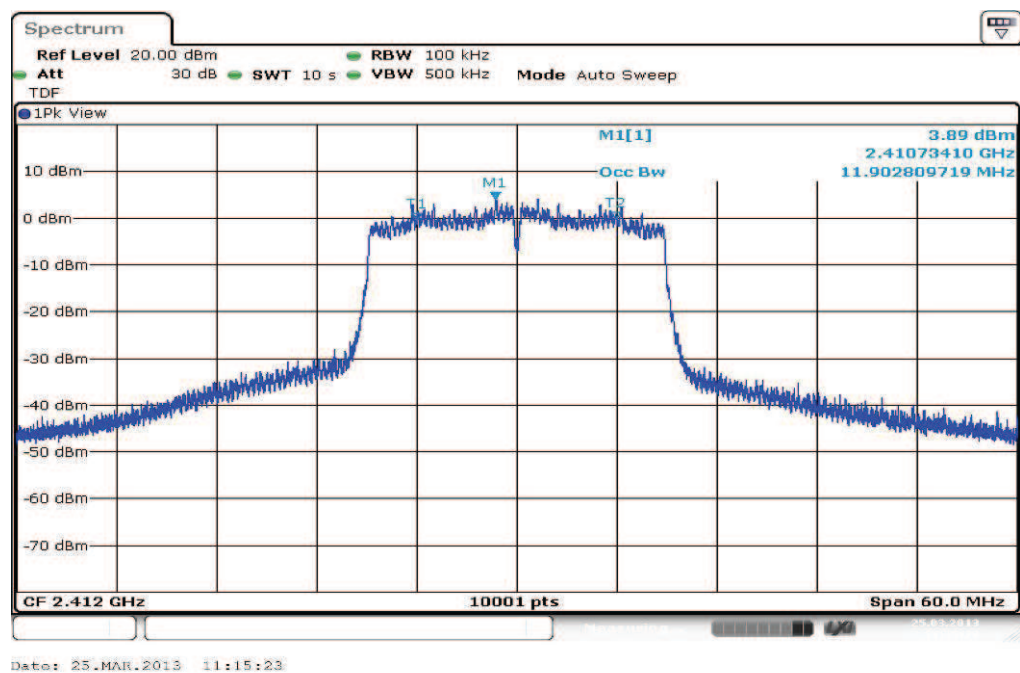
Plot 3: lowest channel, b – mode, 11 Mbps**Plot 4:** lowest channel, g – mode, 6 Mbps

Plot 5: lowest channel, g – mode, 24 Mbps**Plot 6:** lowest channel, g – mode, 54 Mbps

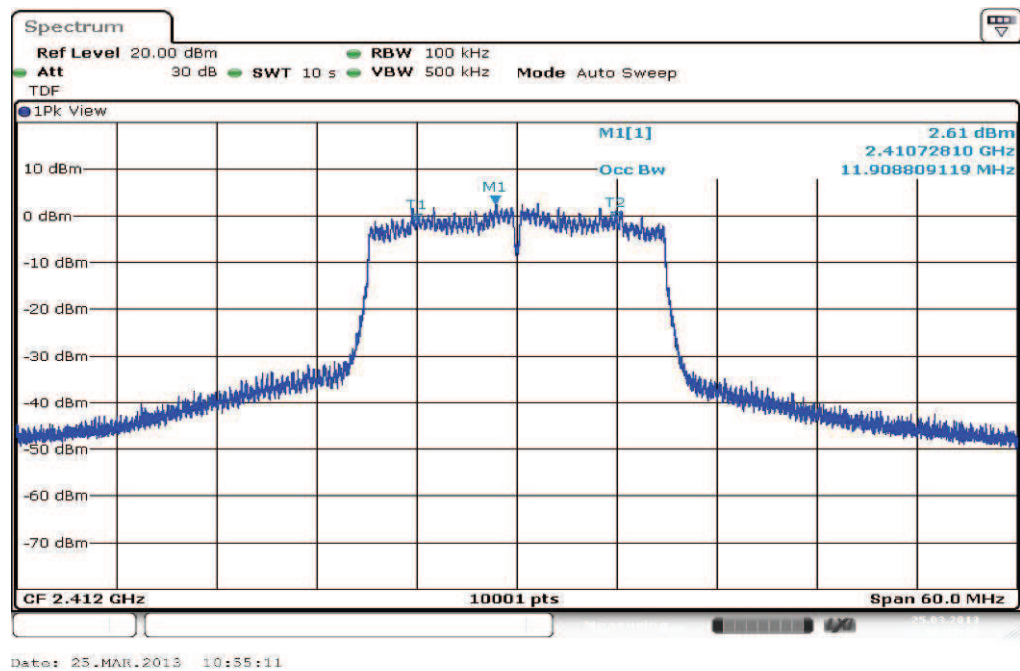
Plot 7: lowest channel, n – mode, MCS 0



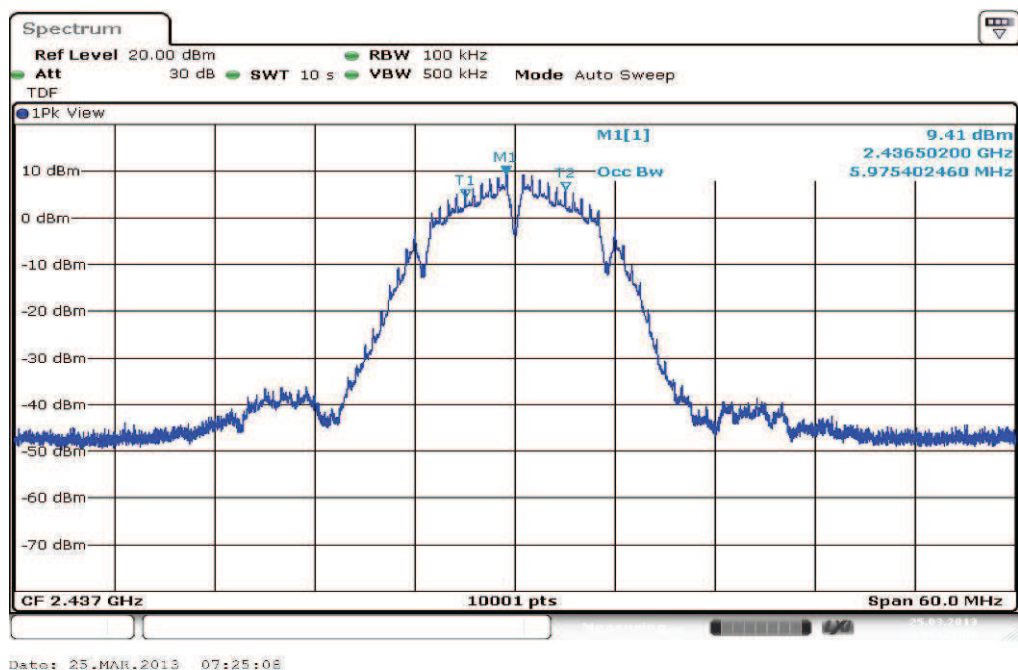
Plot 8: lowest channel, n – mode, MCS 4



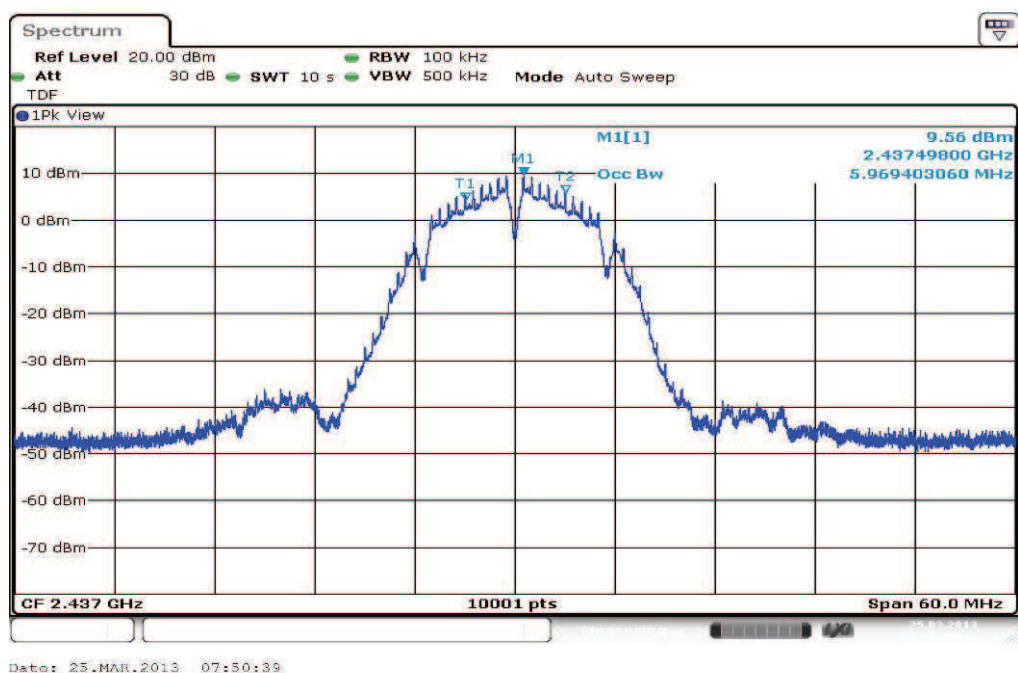
Plot 9: lowest channel, n – mode, MCS 7

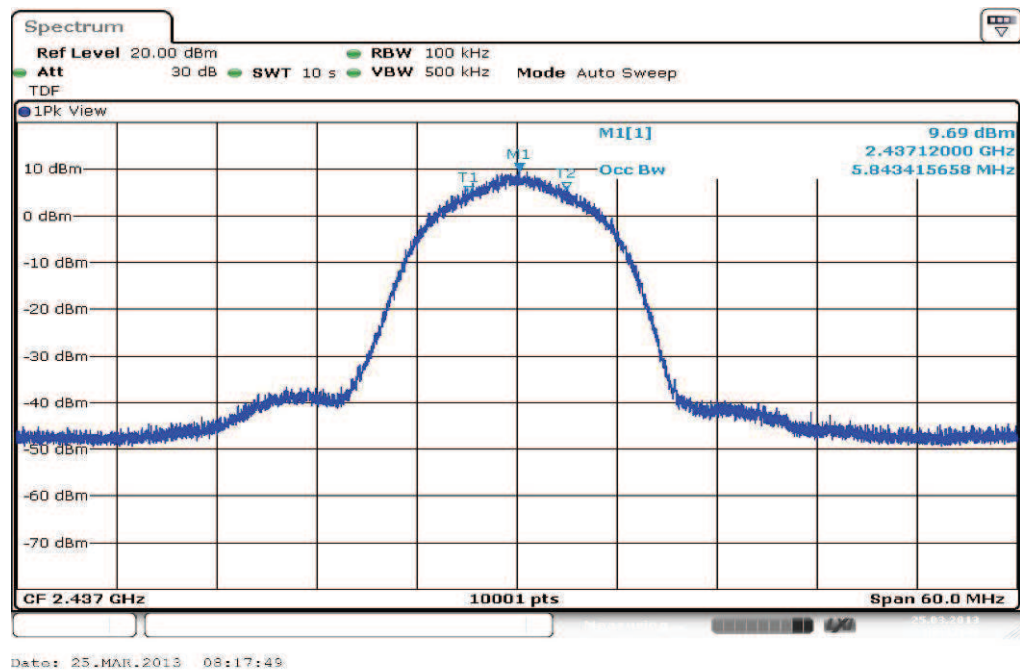


Plot 10: middle channel, b – mode, 1 Mbps



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