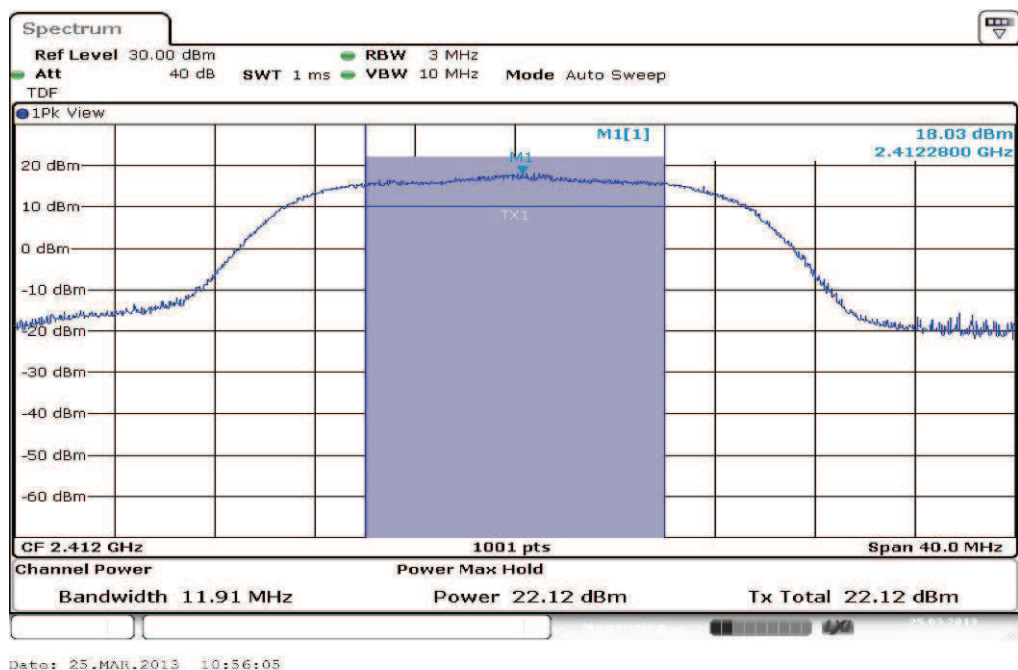
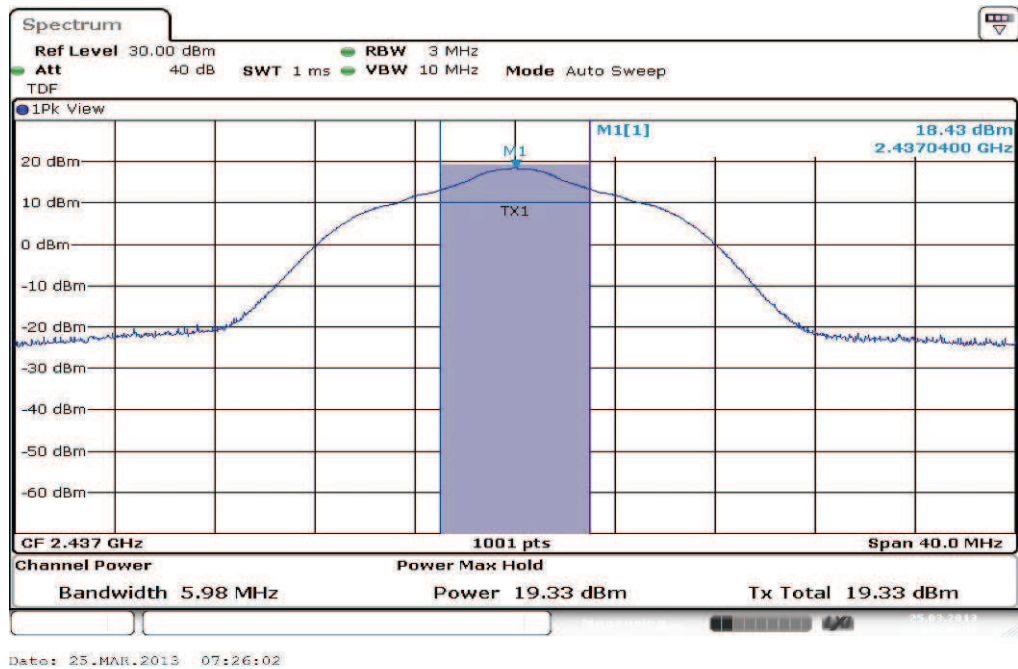
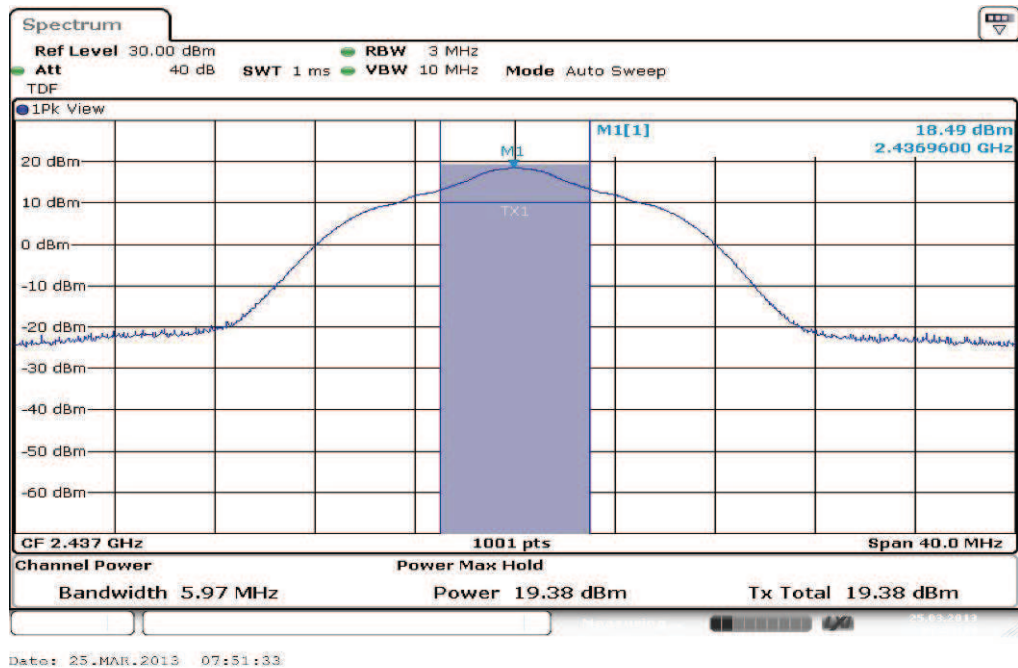
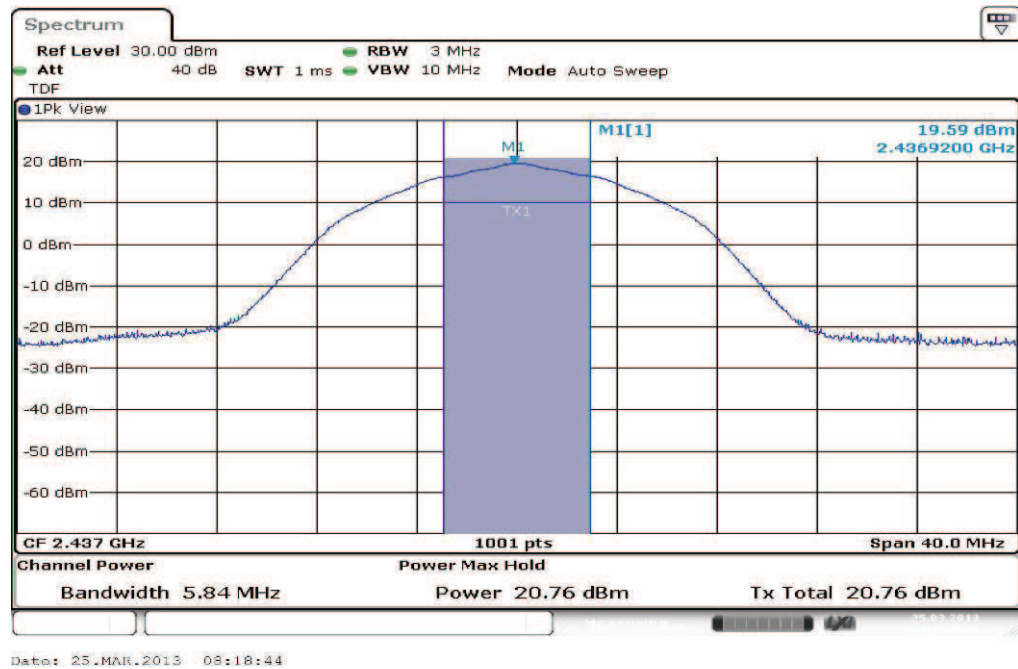
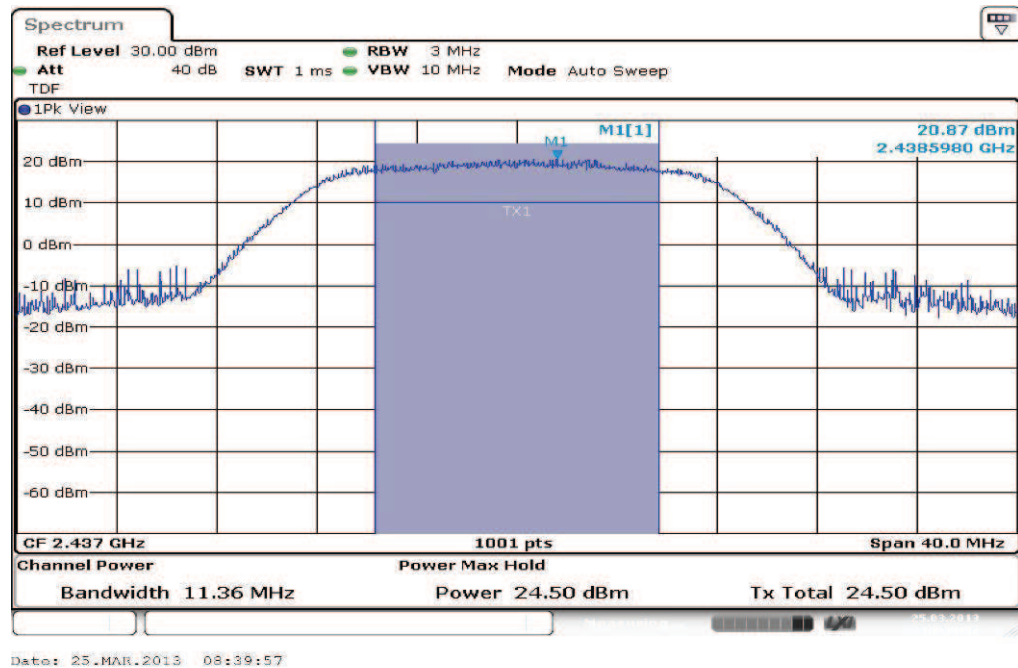
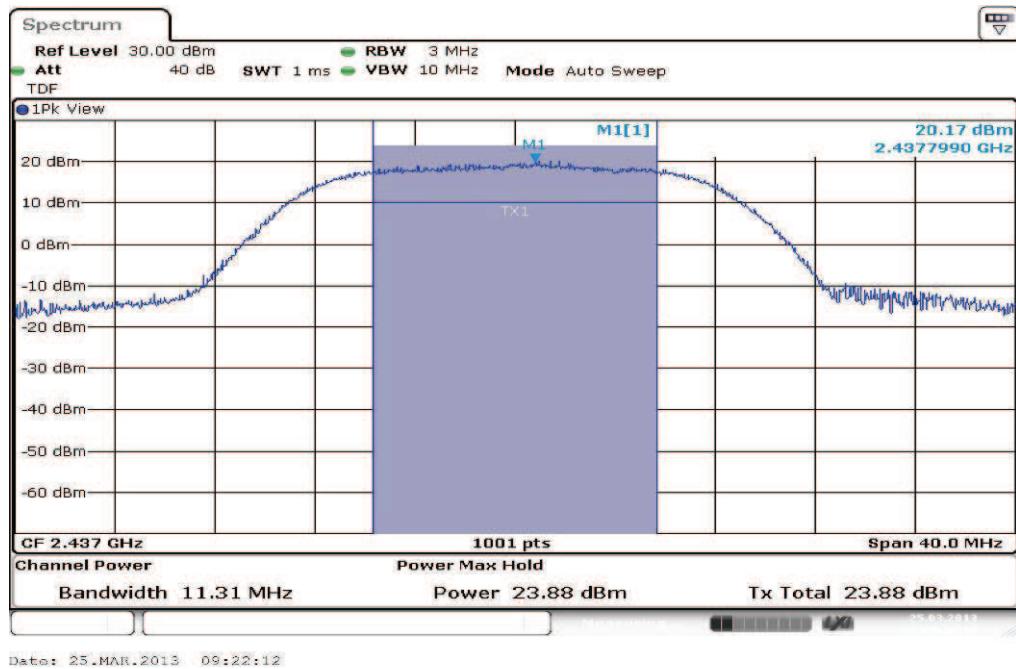
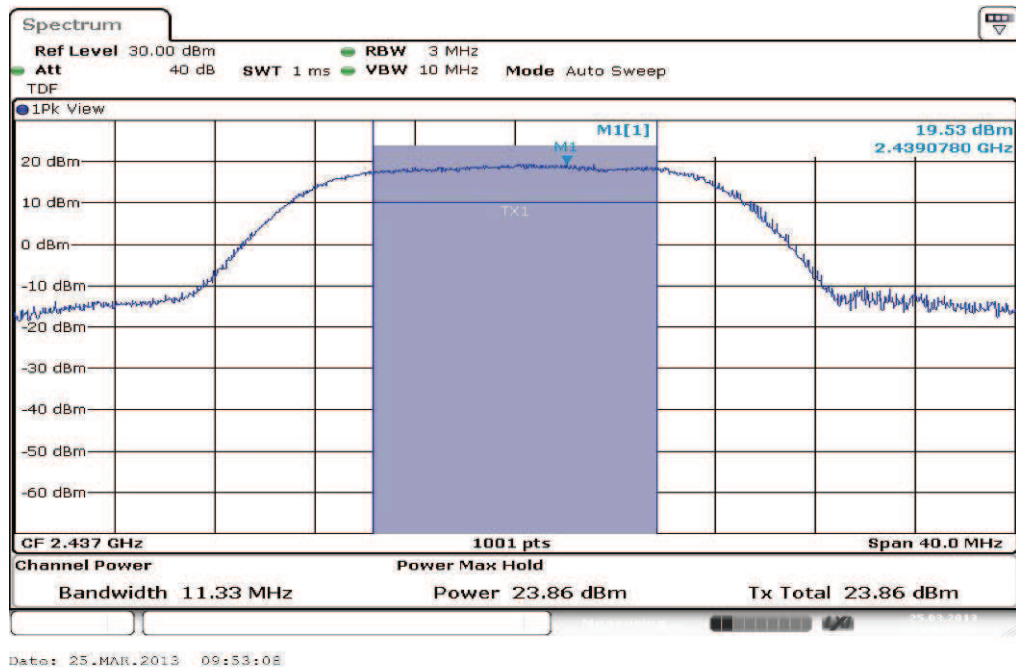
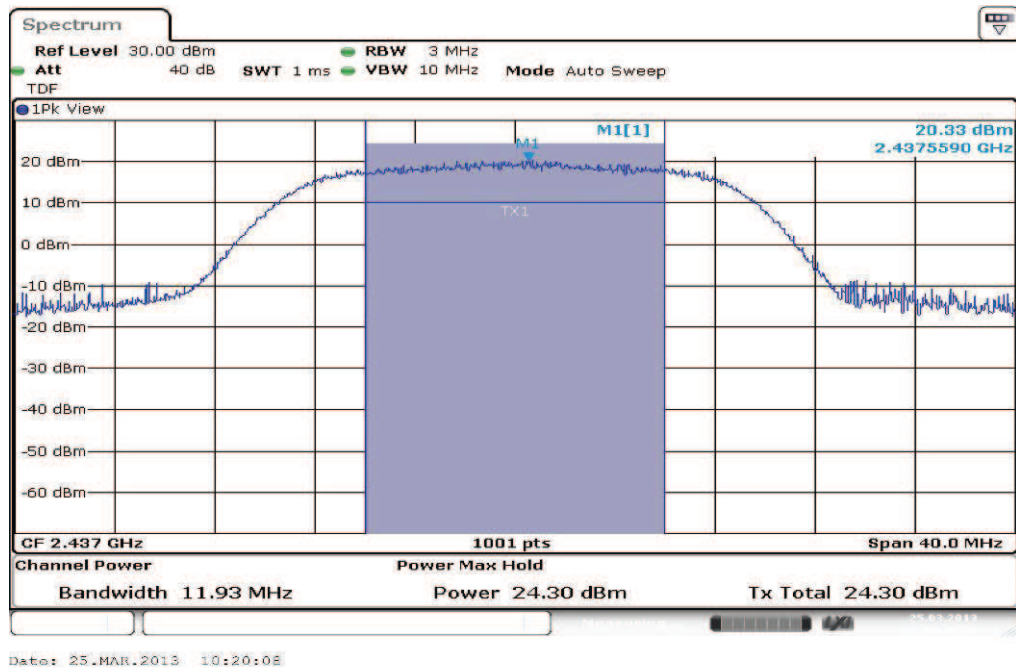
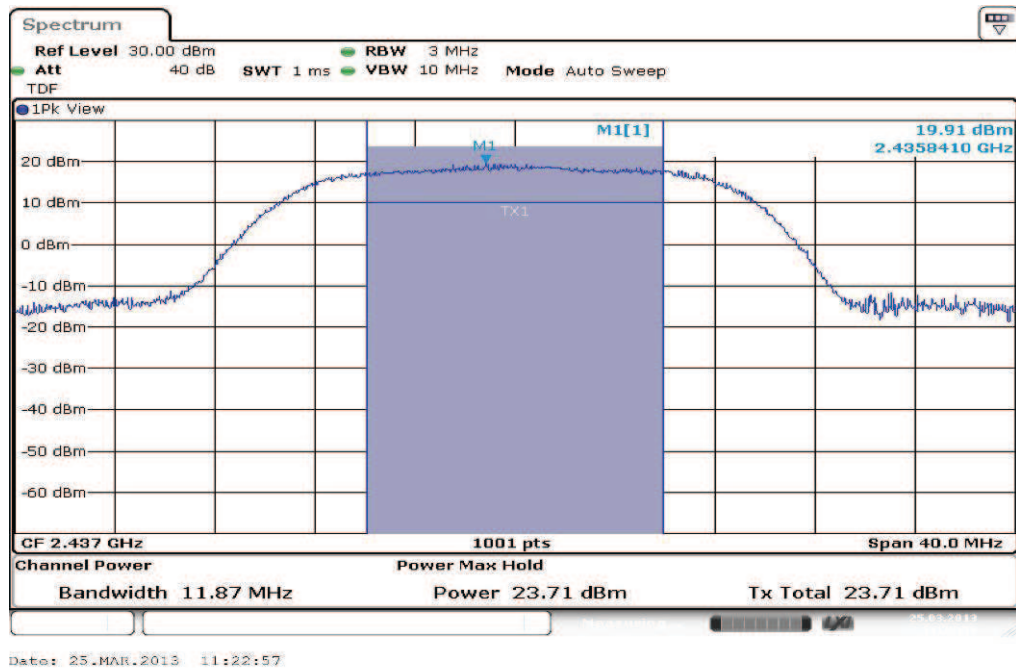


Plot 9: lowest channel, n – mode, MCS 7

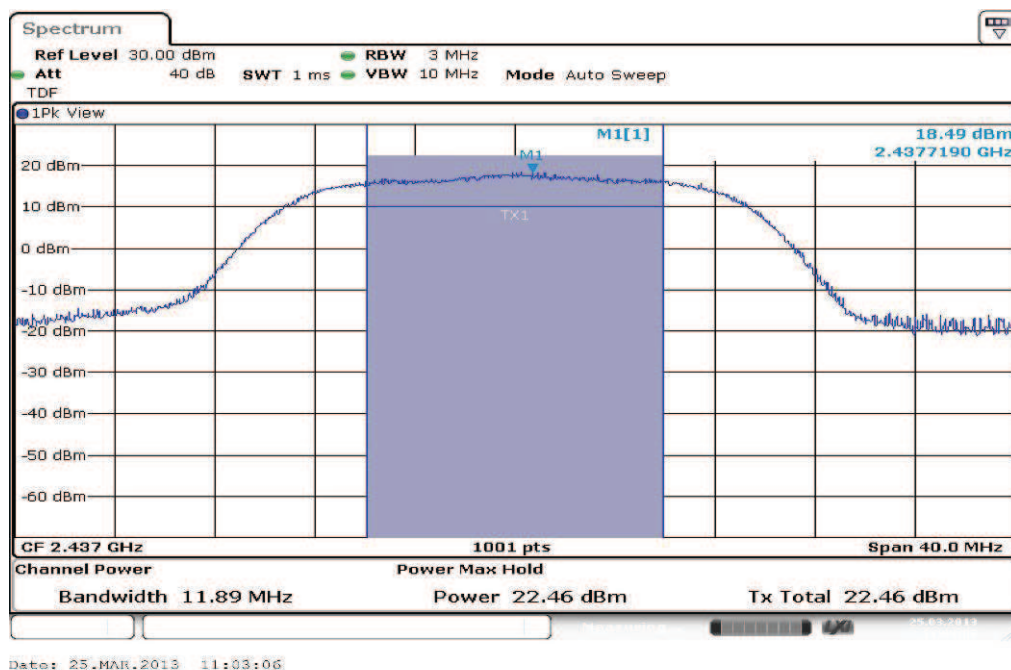
Plot 10: middle channel, b – mode, 1 Mbps**Plot 11:** middle channel, b – mode, 5.5 Mbps

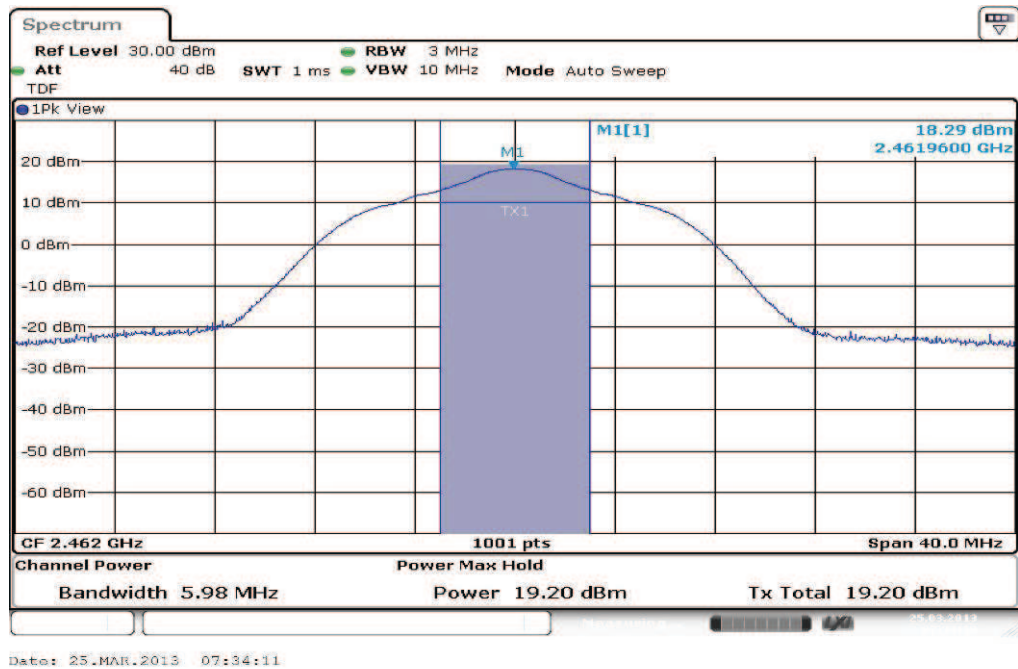
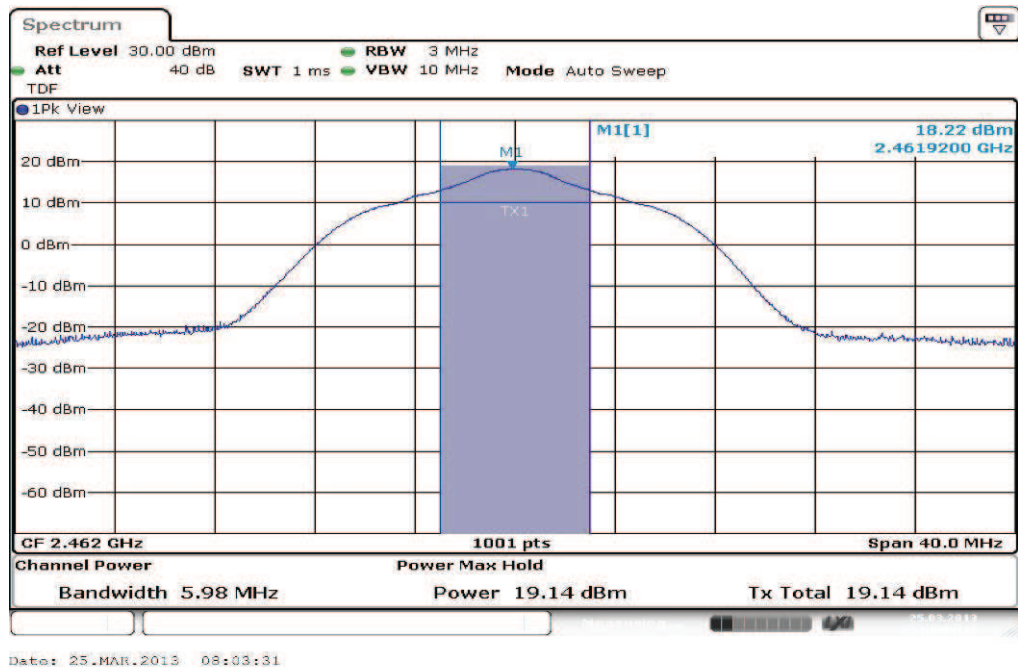
Plot 12: middle channel, b – mode, 11 Mbps**Plot 13:** middle channel, g – mode, 6 Mbps

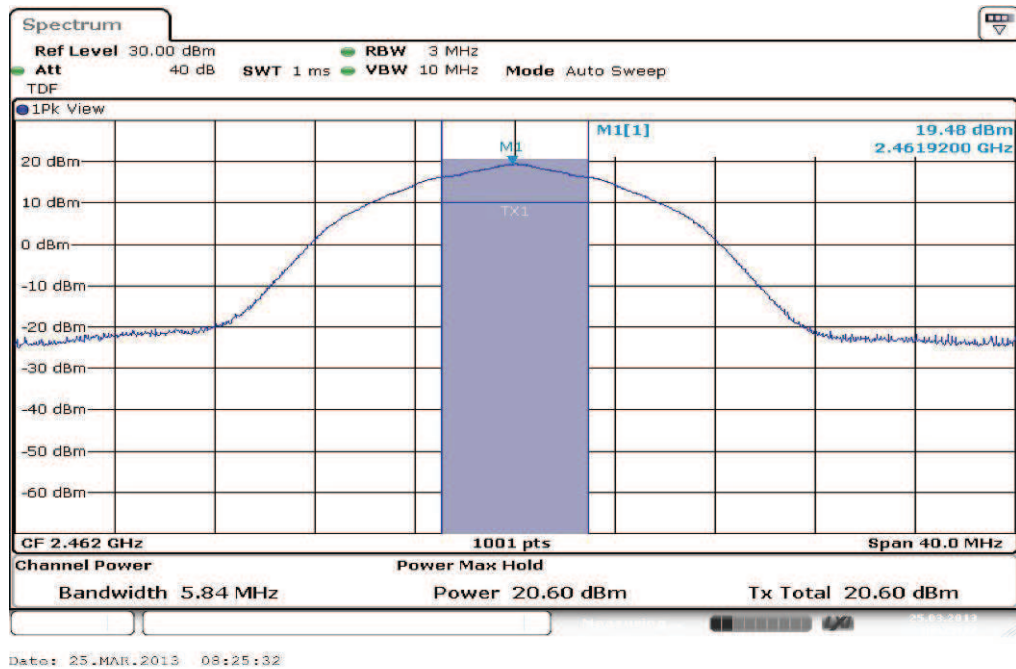
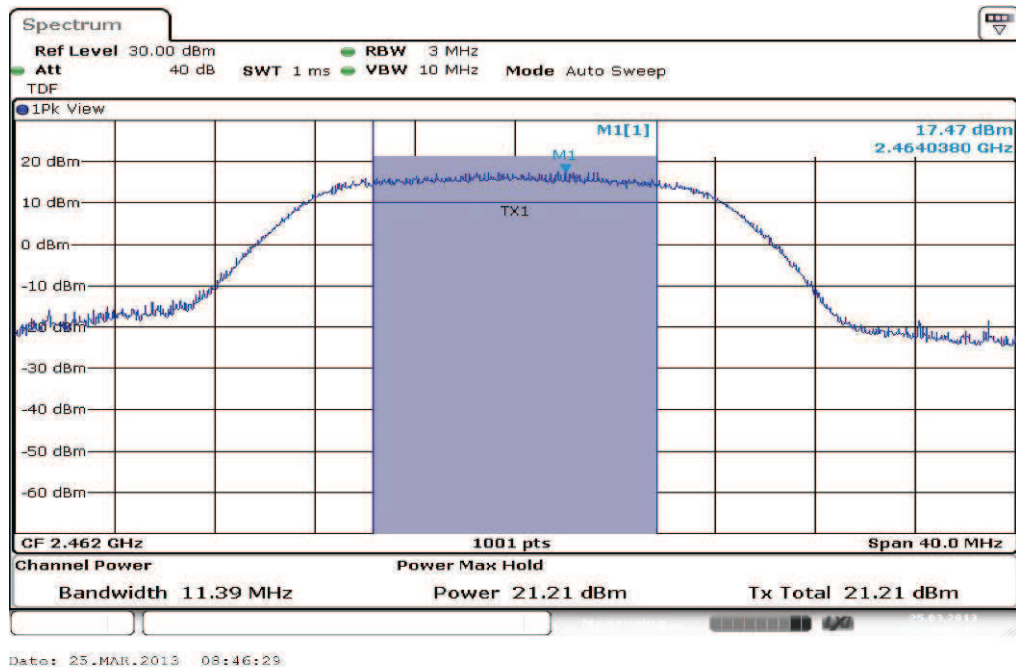
Plot 14: middle channel, g – mode, 24 Mbps**Plot 15:** middle channel, g – mode, 54 Mbps

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

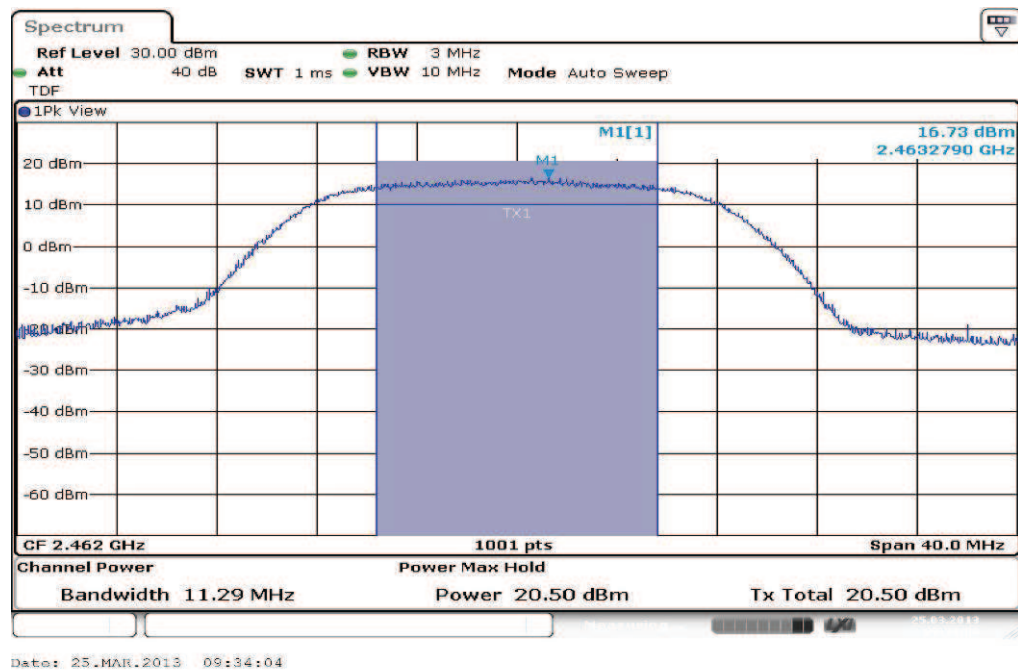
Plot 18: middle channel, n – mode, MCS 7



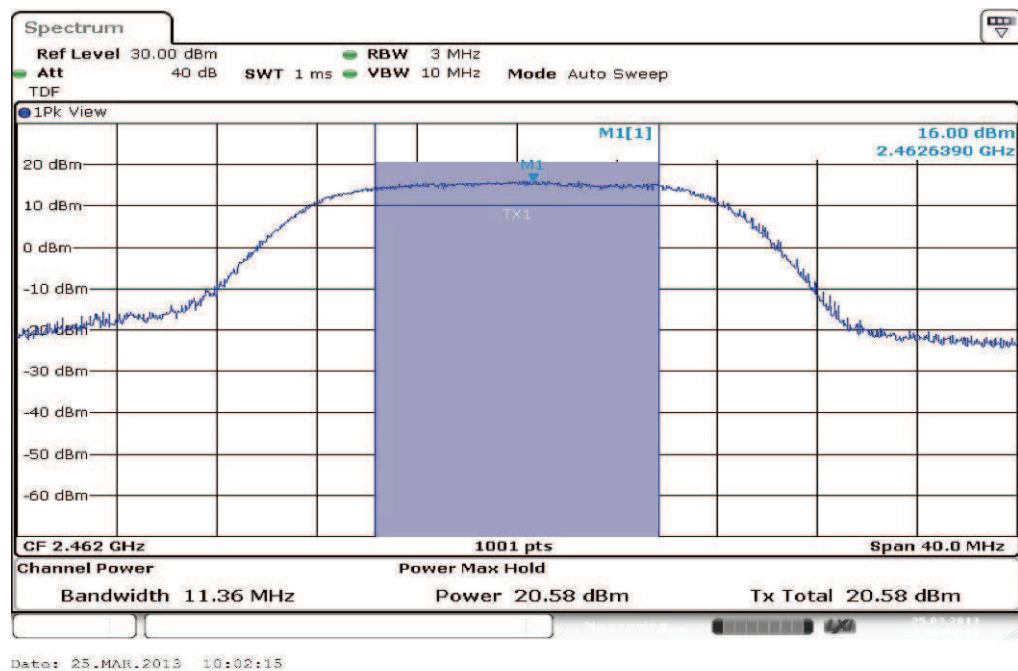
Plot 19: highest channel, b – mode, 1 Mbps**Plot 20:** highest channel, b – mode, 5.5 Mbps

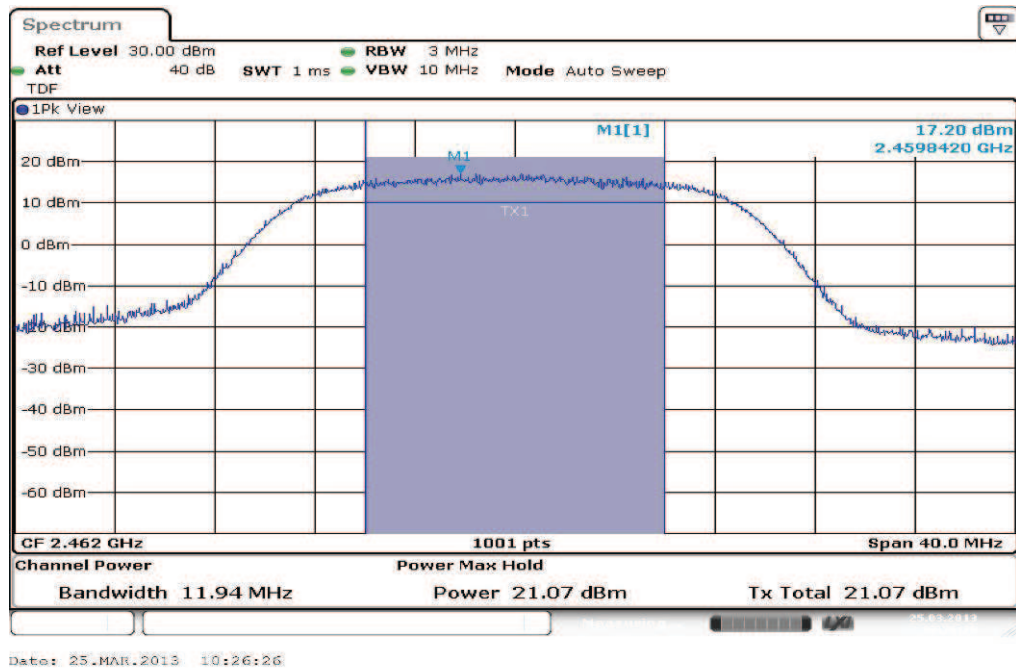
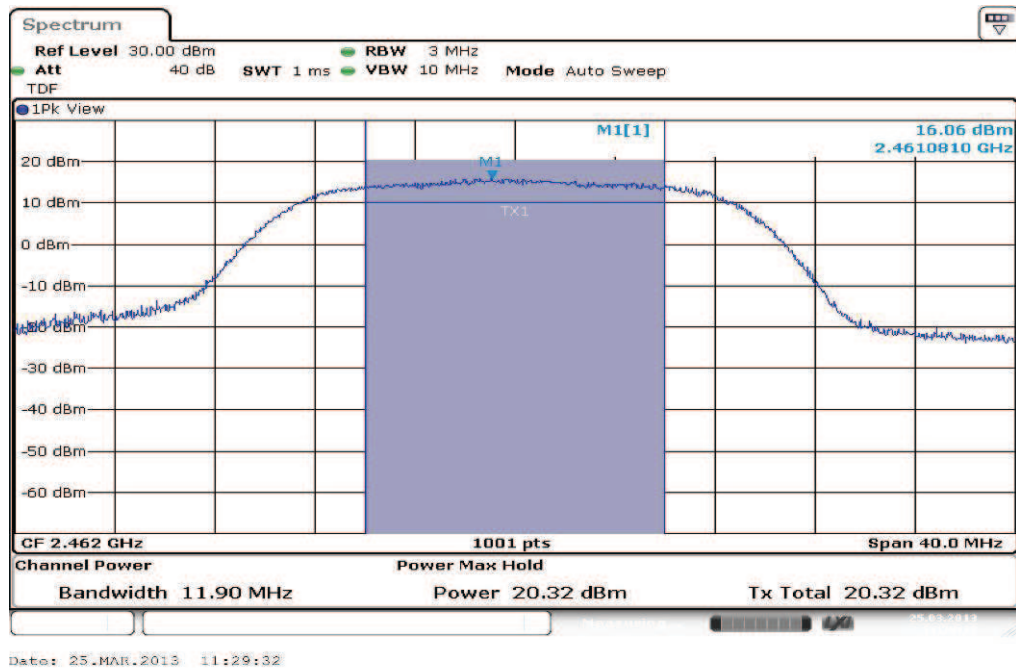
Plot 21: highest channel, b – mode, 11 Mbps**Plot 22:** highest channel, g – mode, 6 Mbps

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

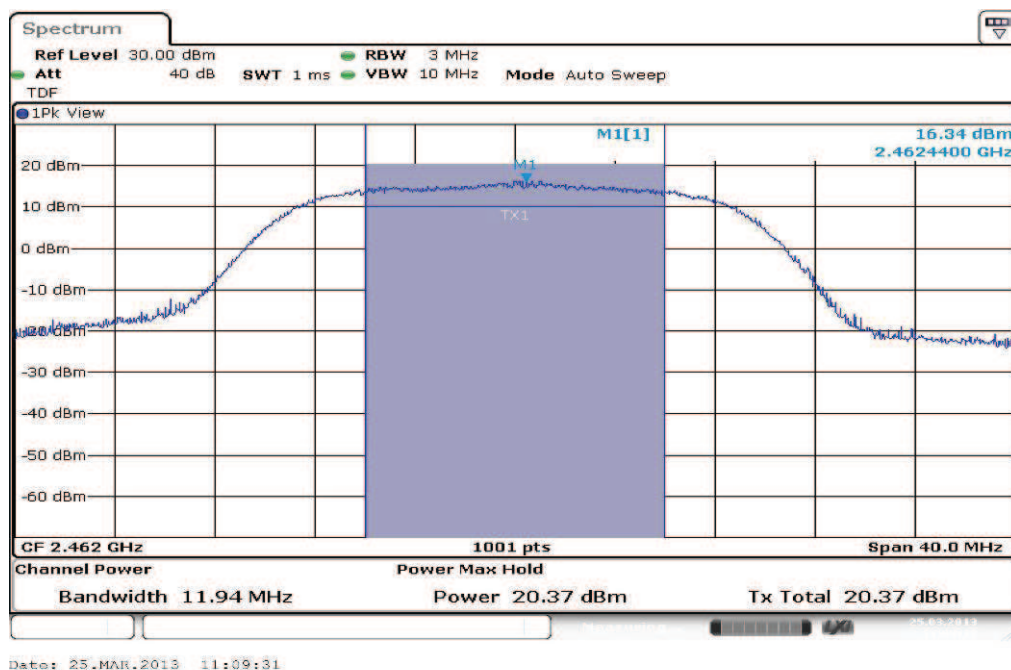


Plot 24: highest channel, g – mode, 54 Mbps



Plot 25: highest channel, n – mode, MCS 0**Plot 26:** highest channel, n – mode, MCS 4

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



9.5 Power spectral density

Description:

Measurement of the power spectral density of a digital modulated system. The measurement is repeated for both modulations at the lowest, middle and highest channel.

Measurement:

Measurement parameter	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	≥ 3 kHz
Video bandwidth:	$\geq 3 \times$ RBW
Span:	1.5 times of the DTS BW
Trace-Mode:	Max hold (allow trace to fully stabilize)

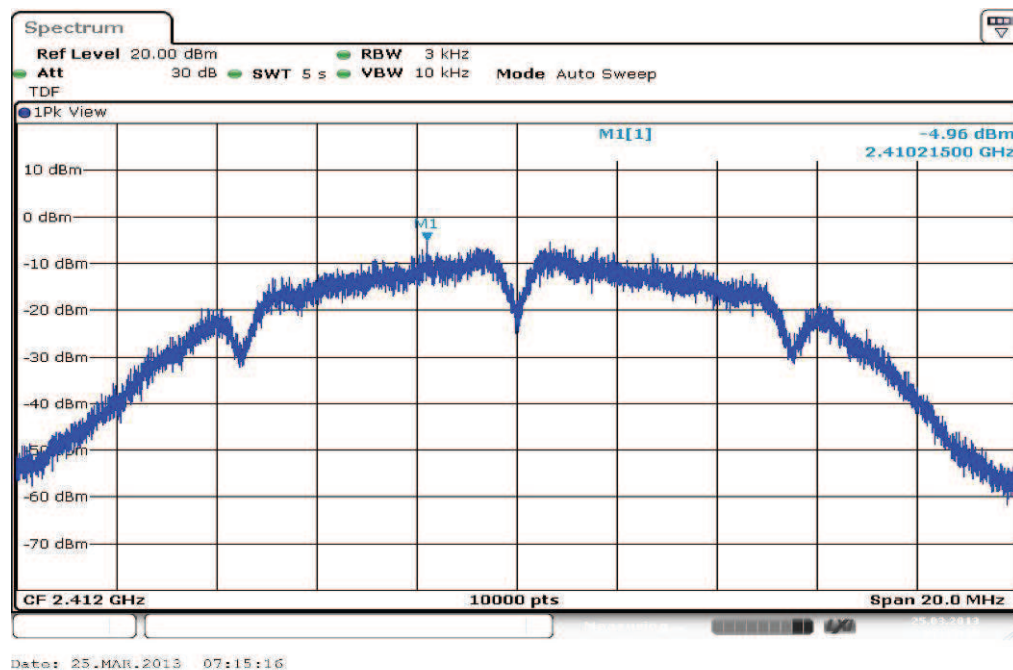
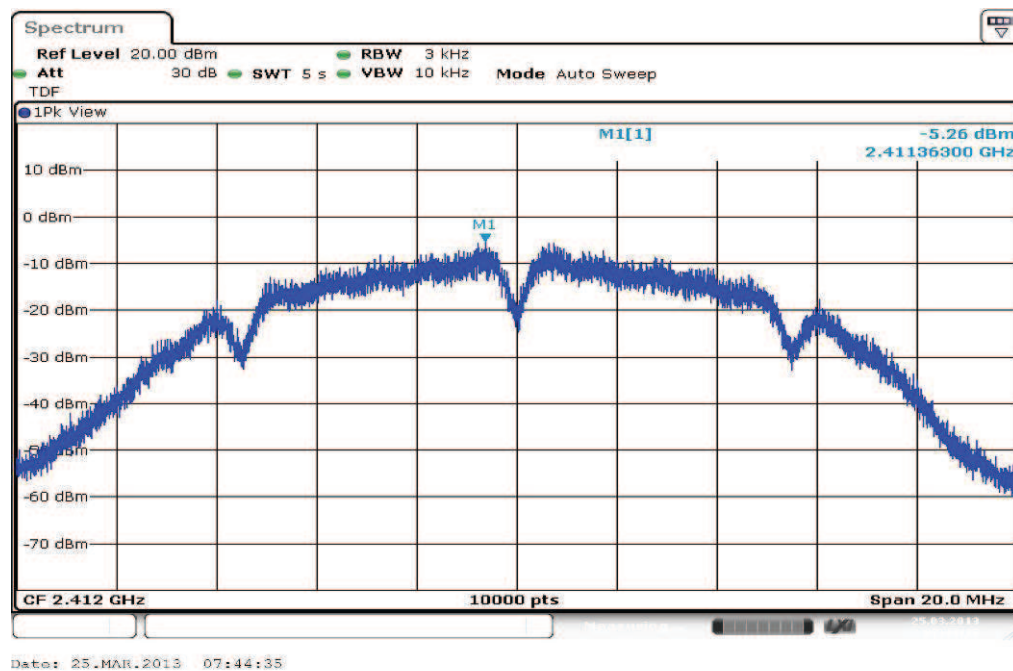
Limits:

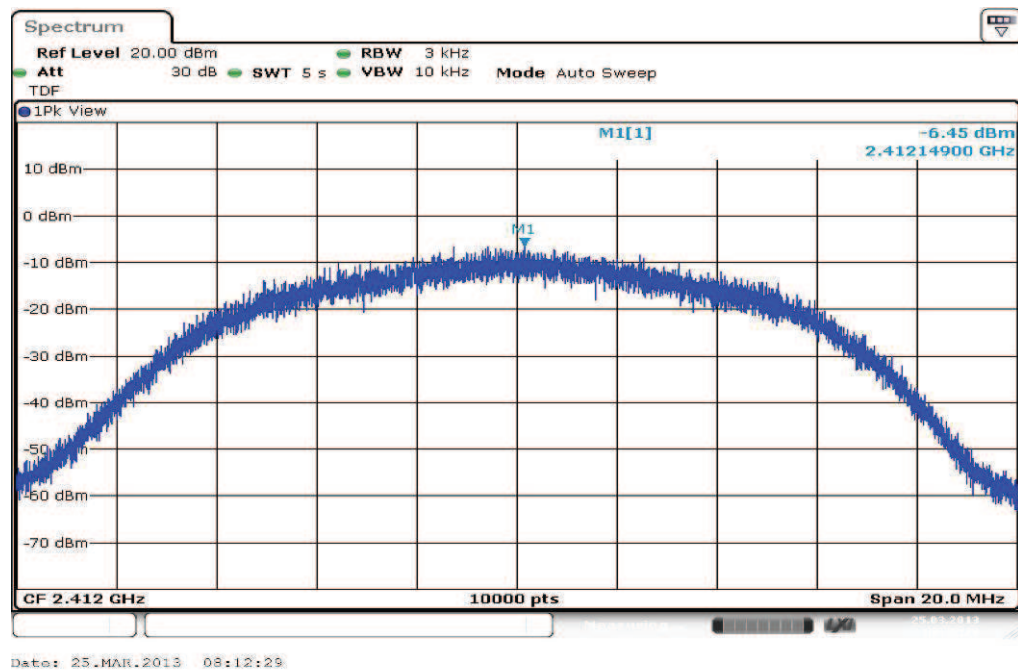
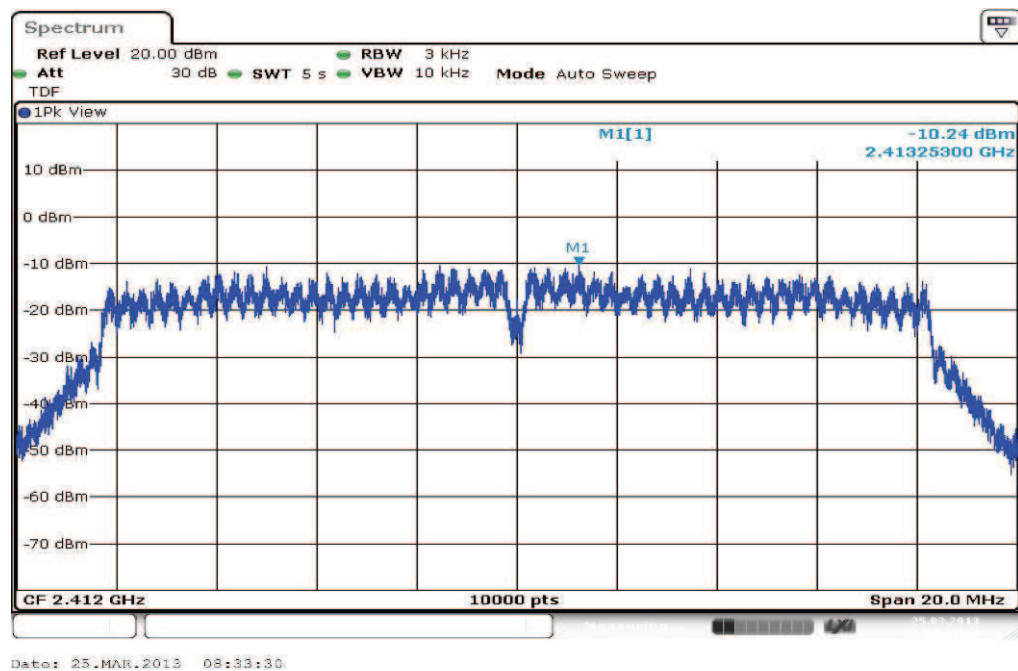
FCC	IC
Power Spectral Density	
8 dBm (conducted)	

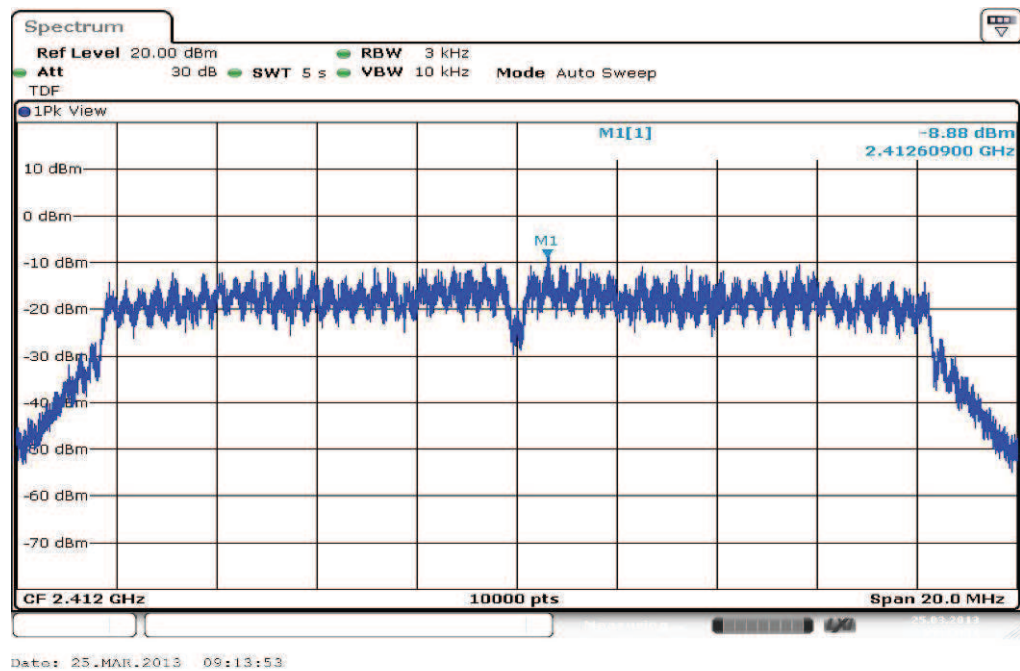
Results:

Technology / data rate Frequency	Power Spectral density [dBm]		
	2412 MHz	2437 MHz	2462 MHz
DSSS / b – mode, 1 Mbps	-4.96	-4.36	-5.40
DSSS / b – mode, 5.5 Mbps	-5.26	-5.12	-4.97
DSSS / b – mode, 11 Mbps	-6.45	-5.54	-6.52
OFDM / g – mode, 6 Mbps	-10.24	-9.36	-12.32
OFDM / g – mode, 24 Mbps	-8.88	-8.96	-12.02
OFDM / g – mode, 54 Mbps	-9.75	-10.40	-13.37
OFDM / n – mode, MCS 0	-10.27	-10.52	-13.62
OFDM / n – mode, MCS 4	-11.19	-10.71	-13.94
OFDM / n – mode, MCS 7	-12.65	-11.89	-13.68
Measurement uncertainty	$\pm$ 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