

Result: OFDM / a – mode 6 Mbps

OFDM / a – mode Channel	Power Spectral density [dBm/MHz]			
	5180 MHz	5240 MHz	5320 MHz	5500 MHz
+0.14 dB duty cycle correction	1.47	1.48	2.38	0.35
Channel	5700 MHz	-/-	-/-	-/-
+0.14 dB duty cycle correction	0.27			
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / a – mode 24 Mbps

OFDM / a – mode Channel	Power Spectral density [dBm/MHz]			
	5180 MHz	5240 MHz	5320 MHz	5500 MHz
+0.14 dB duty cycle correction	1.29	1.11	1.90	0.10
Channel	5700 MHz	-/-	-/-	-/-
+0.14 dB duty cycle correction	-0.10			
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / a – mode 54 Mbps

OFDM / a – mode Channel	Power Spectral density [dBm/MHz]			
	5180 MHz	5240 MHz	5320 MHz	5500 MHz
+0.14 dB duty cycle correction	0.84	0.59	1.53	-0.49
Channel	5700 MHz	-/-	-/-	-/-
+0.14 dB duty cycle correction	-0.55			
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / n – mode HT20 MCS0

OFDM / n – mode HT20 Channel	Power Spectral density [dBm/MHz]			
	Lowest 5180 MHz	Highest 5320 MHz	Lowest 5500 MHz	Highest 5700 MHz
+0.15 dB duty cycle correction	1.25	2.13	0.19	0.09
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / n – mode HT20 MCS4

OFDM / n – mode HT20 Channel	Power Spectral density [dBm/MHz]			
	Lowest 5180 MHz	Highest 5320 MHz	Lowest 5500 MHz	Highest 5700 MHz
+0.15 dB duty cycle correction	0.77	1.51	-0.38	-0.55
Measurement uncertainty	± 1 dB			

Result: Passed

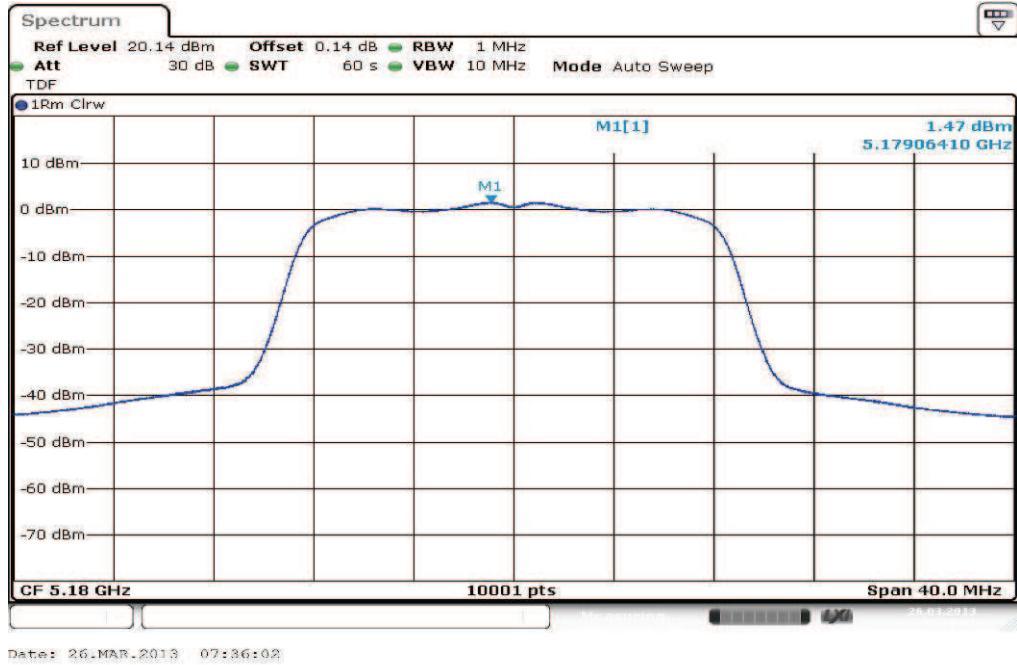
Result: OFDM / n – mode HT20 MCS7

OFDM / n – mode HT20 Channel	Power Spectral density [dBm/MHz]			
	Lowest 5180 MHz	Highest 5320 MHz	Lowest 5500 MHz	Highest 5700 MHz
+0.15 dB duty cycle correction	0.43	1.14	-0.73	-0.88
Measurement uncertainty	± 1 dB			

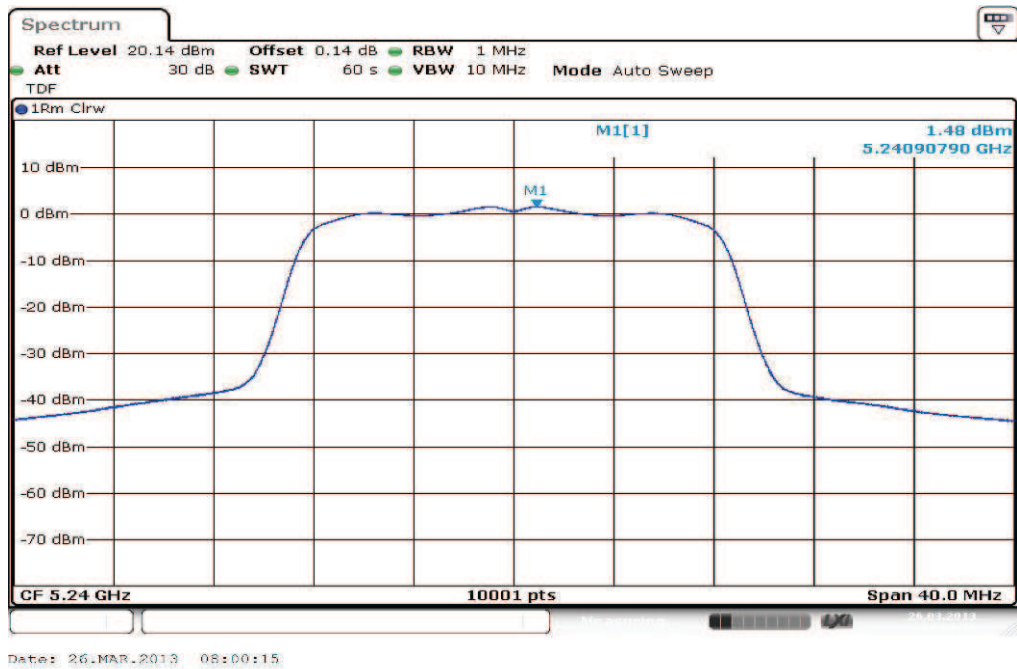
Result: Passed

Plots: OFDM / a – mode 6 Mbps

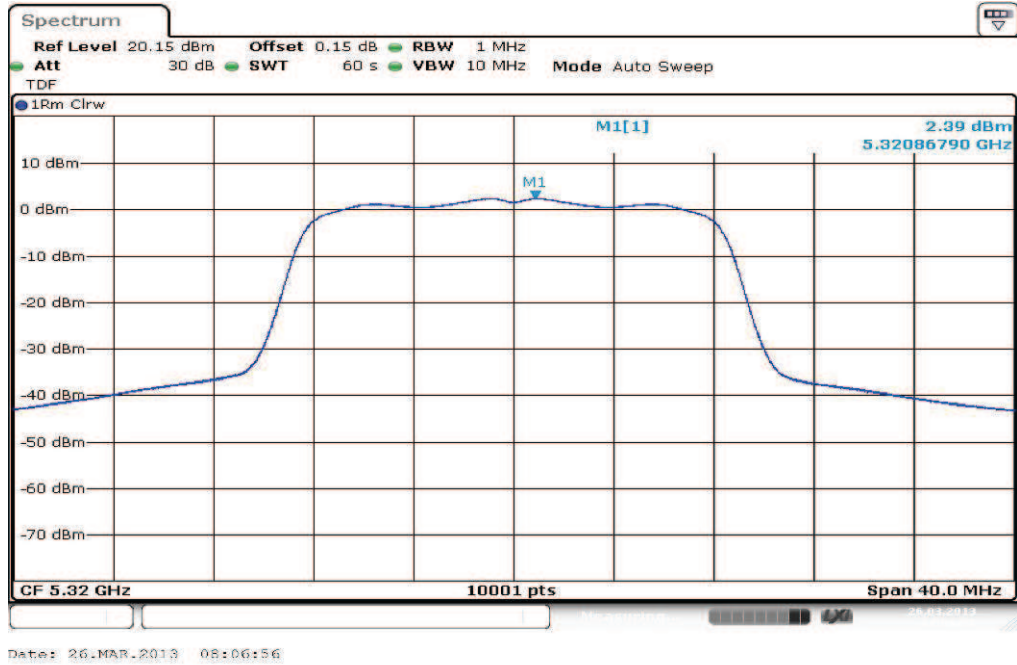
Plot 1: 5180 MHz



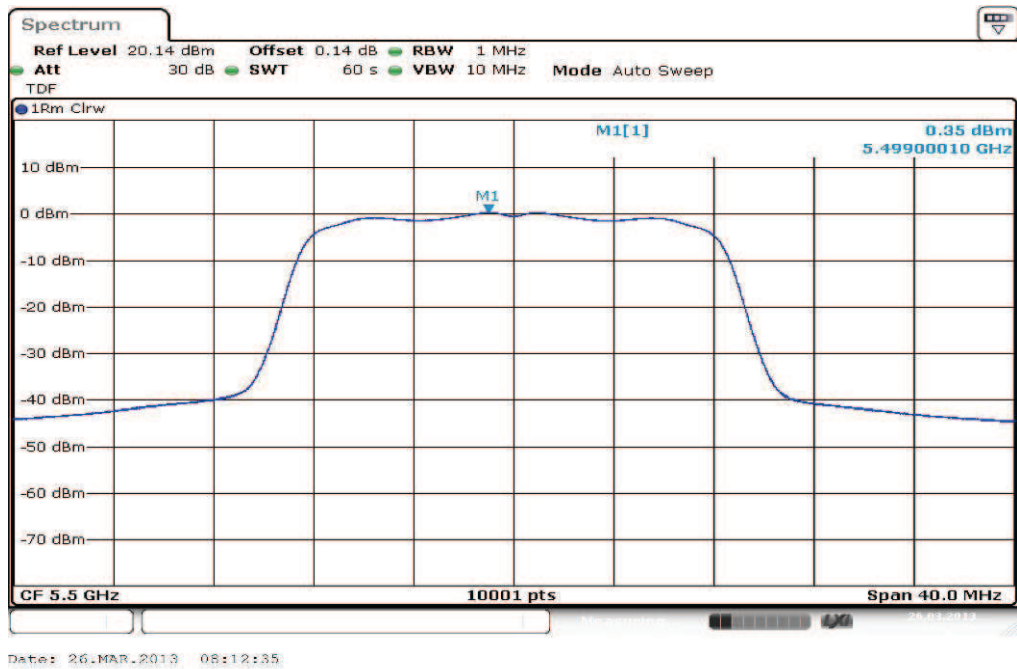
Plot 2: 5240 MHz



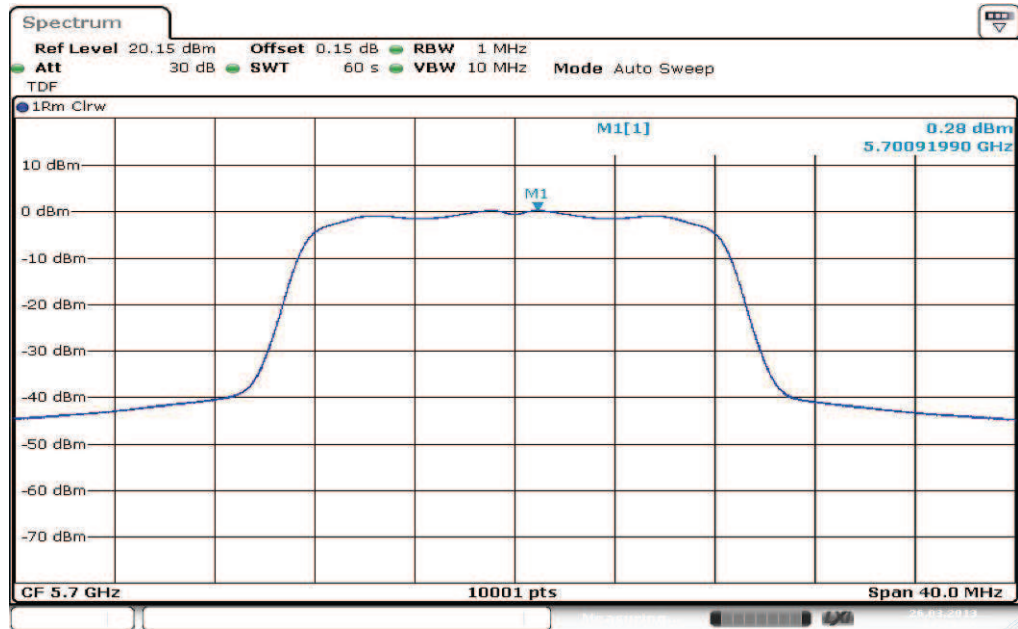
Plot 3: 5320 MHz



Plot 4: 5500 MHz



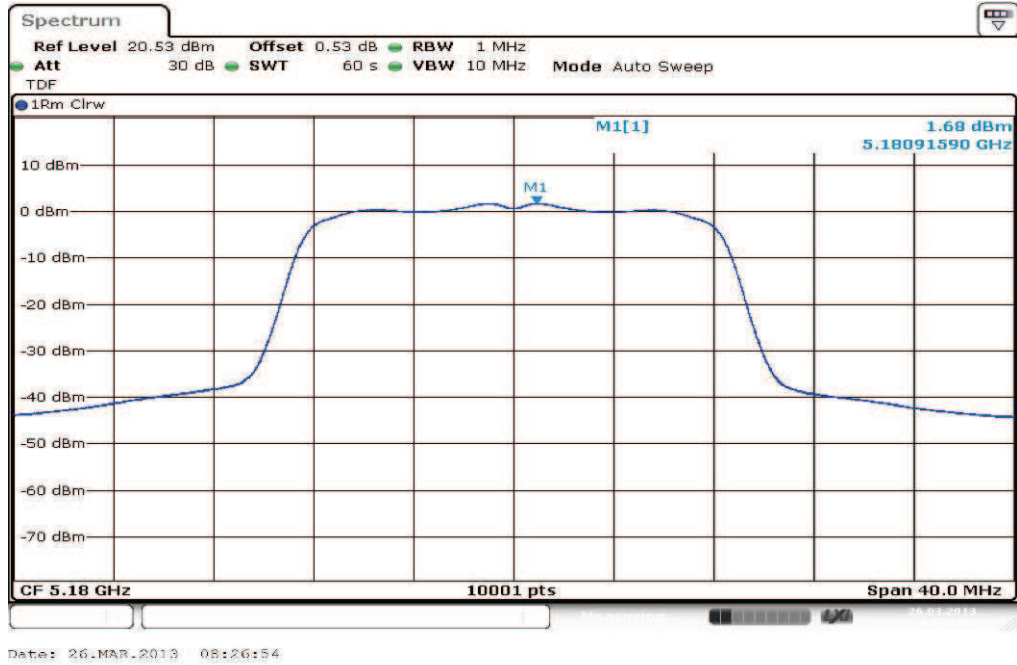
Plot 5: 5700 MHz



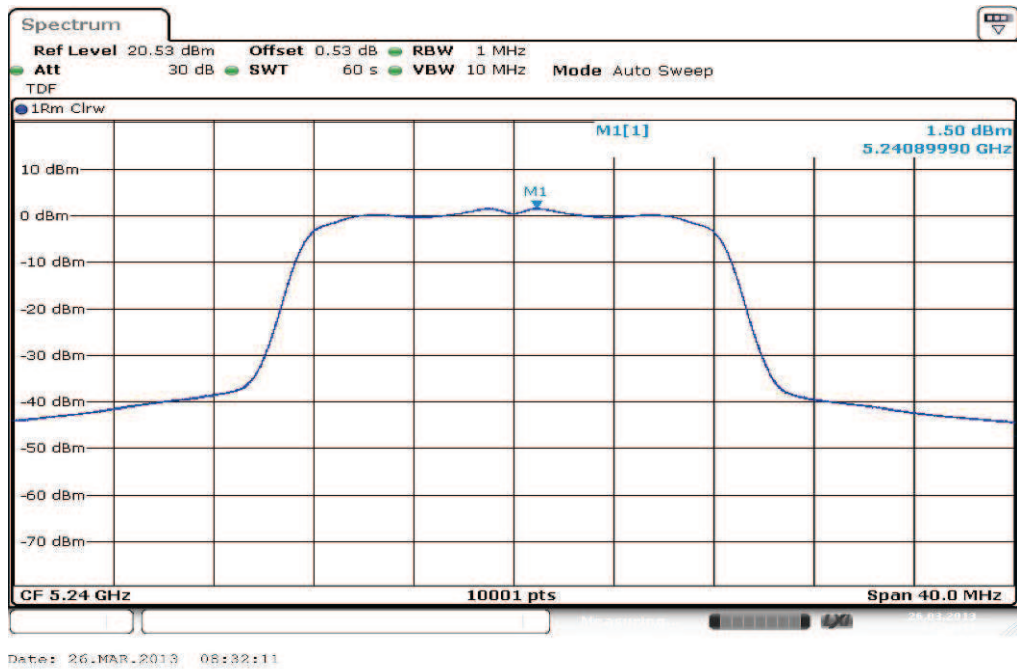
Date: 26.MAR.2013 08:19:55

Plots: OFDM / a – mode 24 Mbps

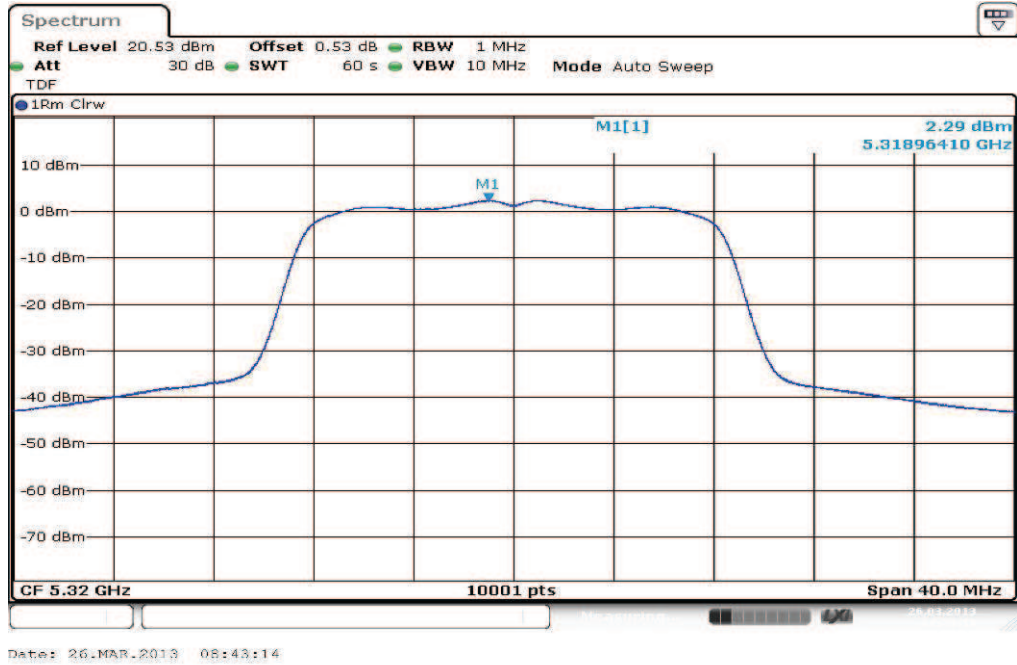
Plot 1: 5180 MHz



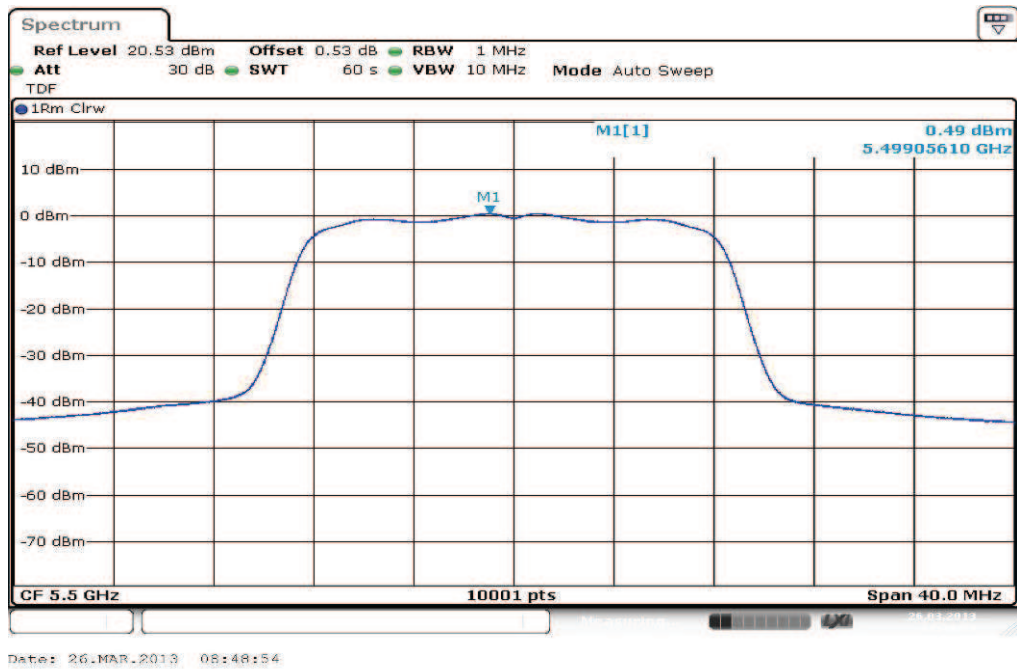
Plot 2: 5240 MHz



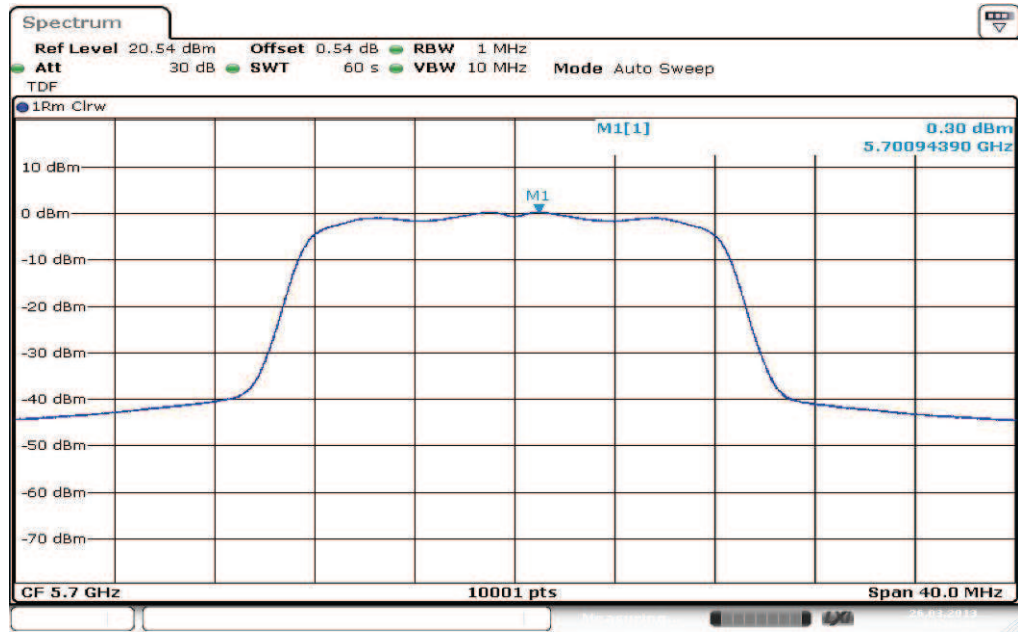
Plot 3: 5320 MHz



Plot 4: 5500 MHz

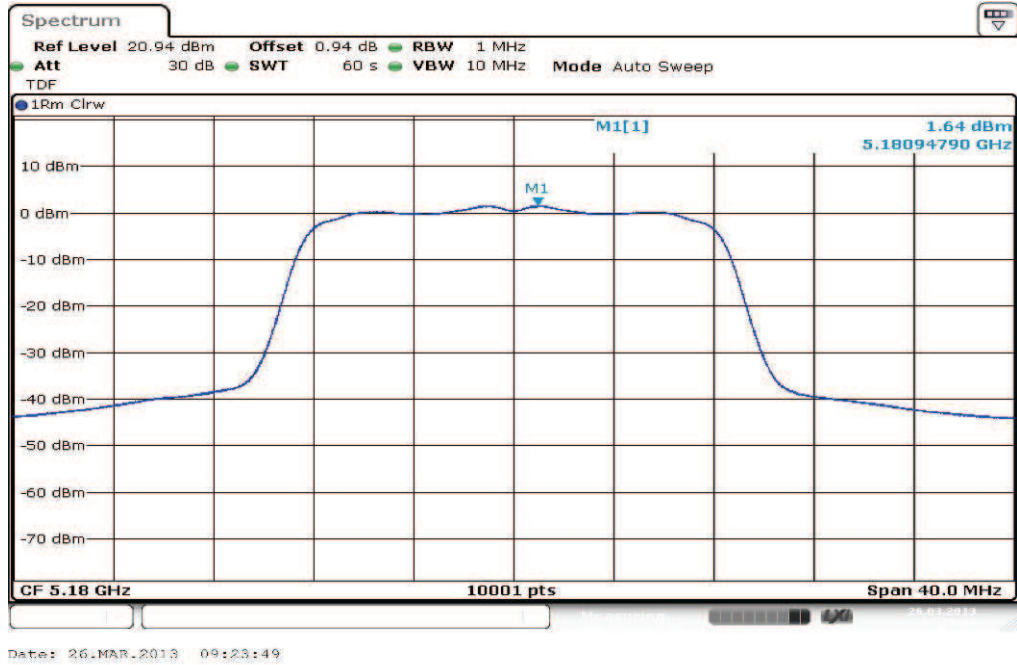


Plot 5: 5700 MHz

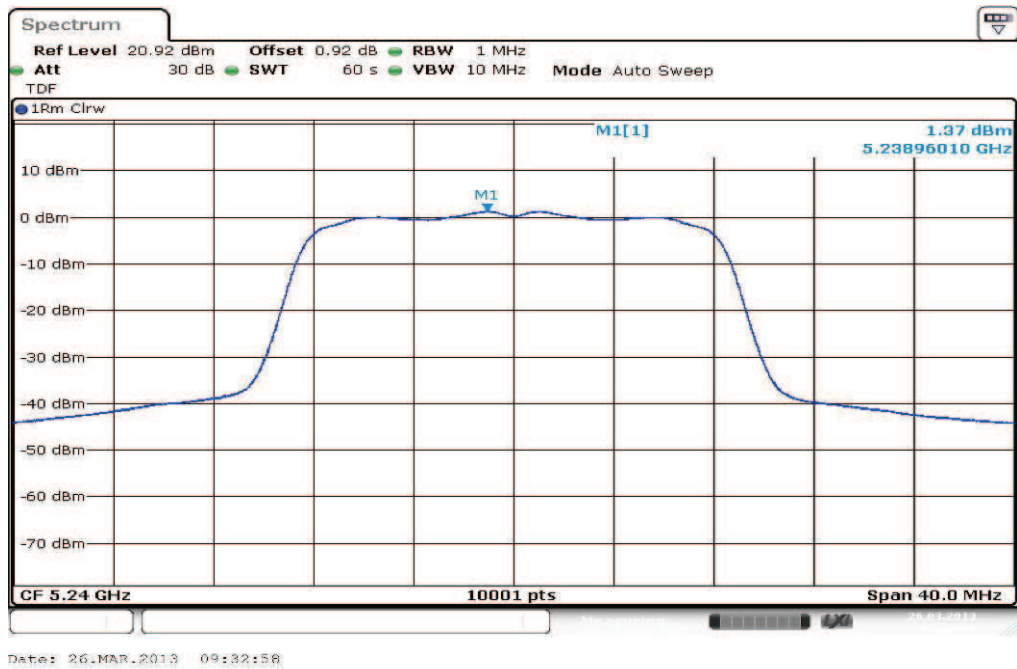


Plots: OFDM / a – mode 54 Mbps

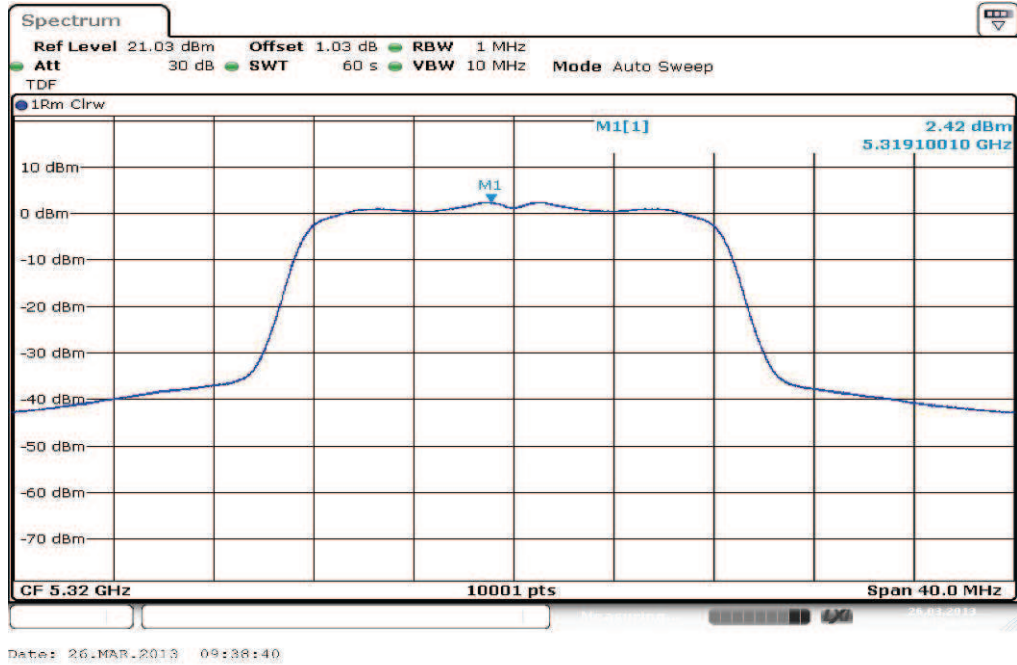
Plot 1: 5180 MHz



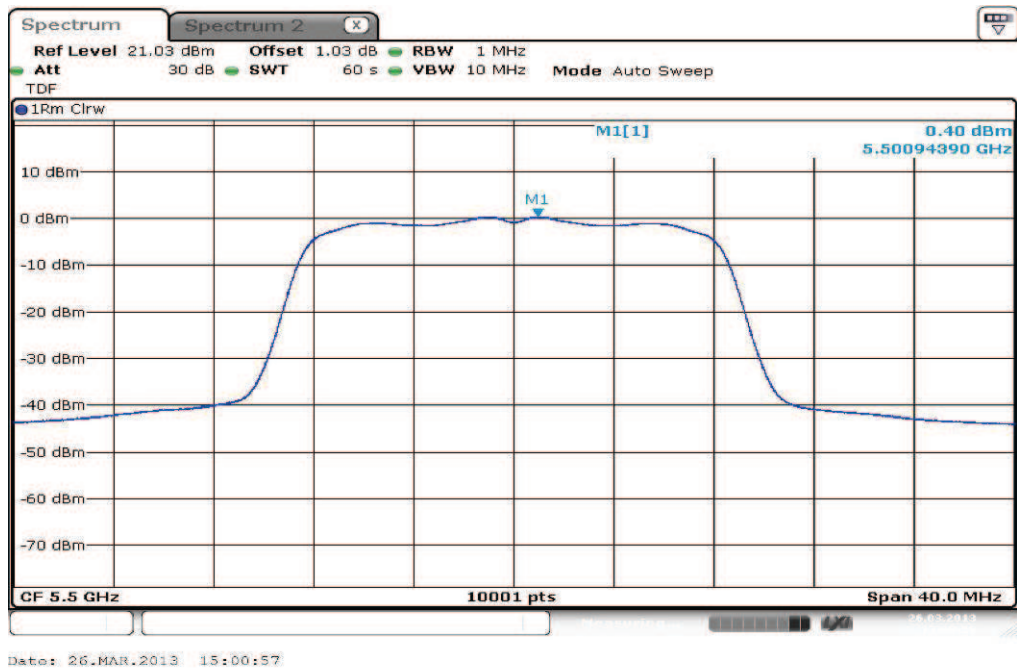
Plot 2: 5240 MHz



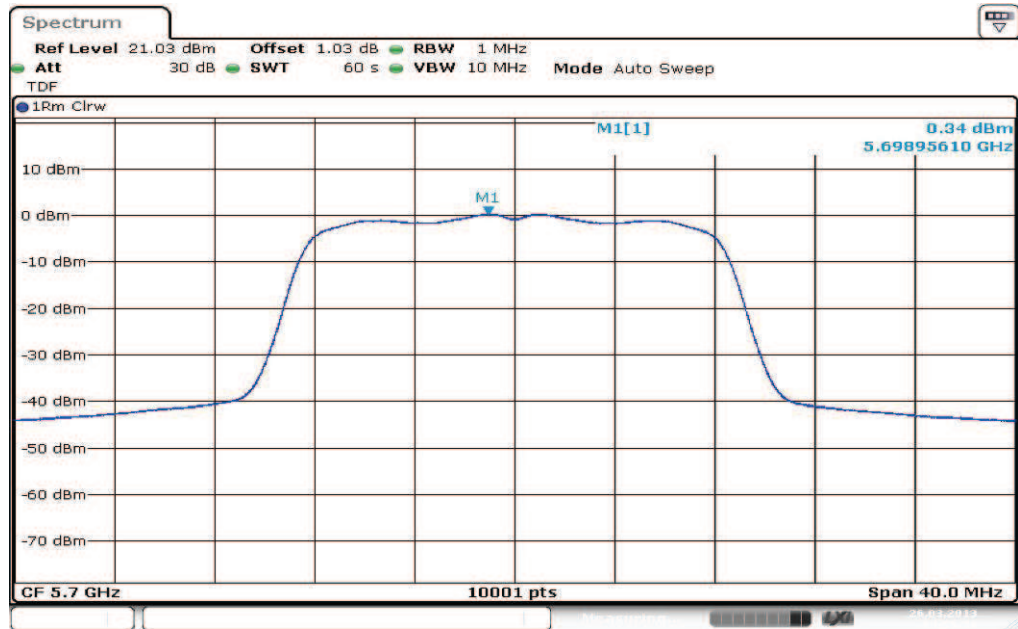
Plot 3: 5320 MHz



Plot 4: 5500 MHz



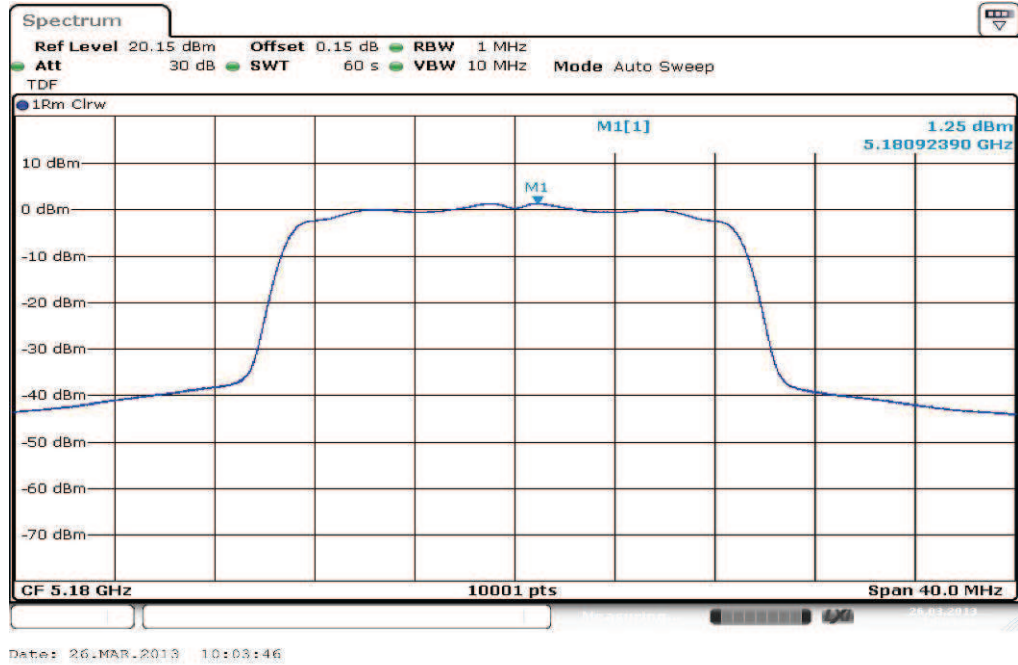
Plot 5: 5700 MHz



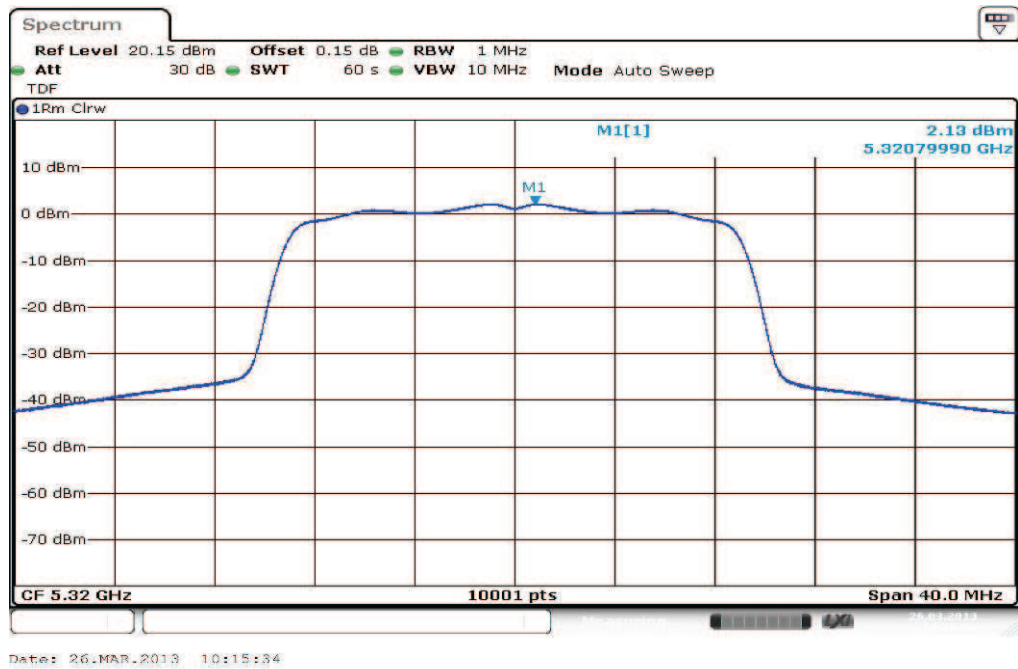
Date: 26.MAR.2013 09:55:39

Plots: OFDM / n – mode HT20 MCS0

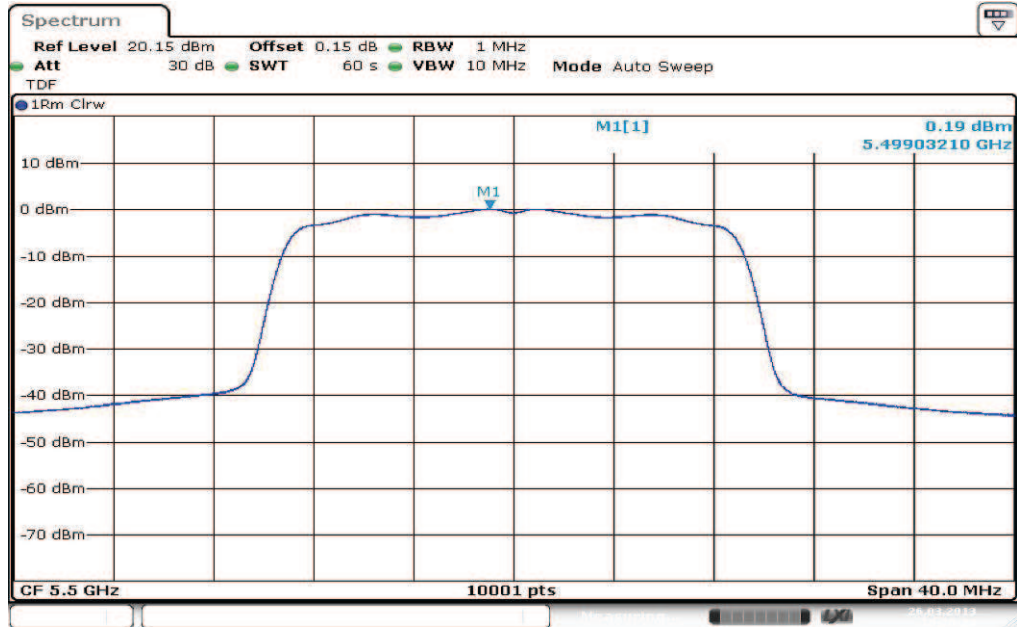
Plot 1: 5180 MHz



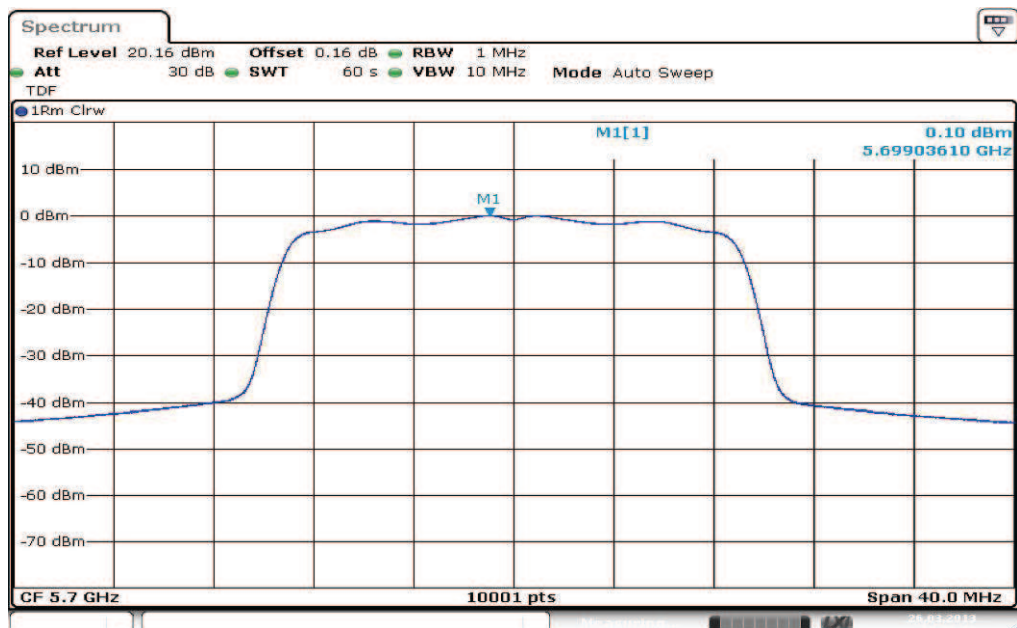
Plot 2: 5320 MHz



Plot 3: 5500 MHz

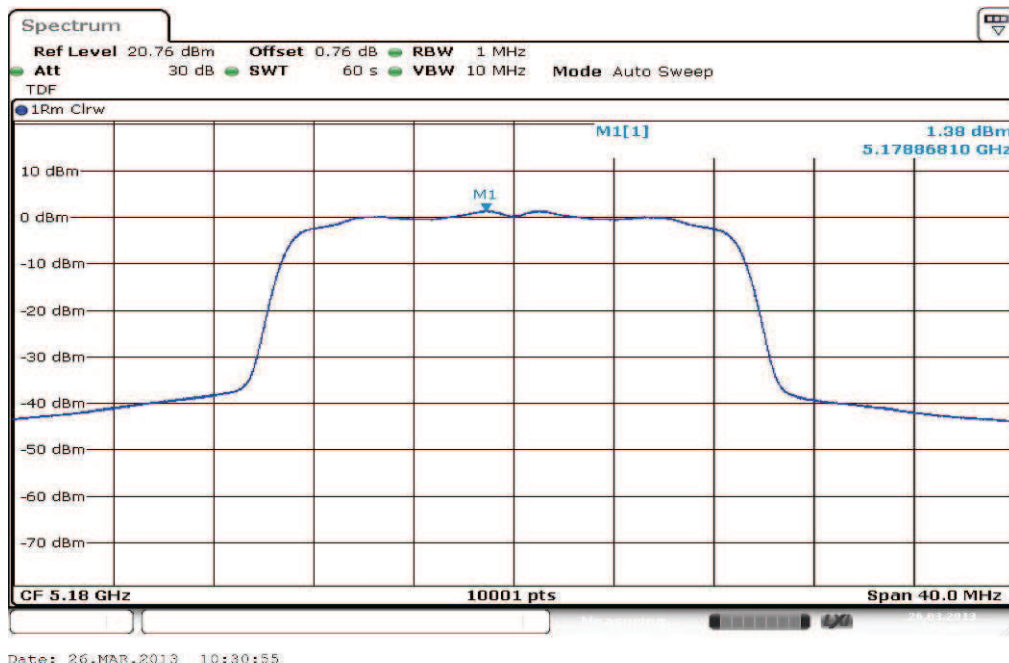


Plot 4: 5700 MHz

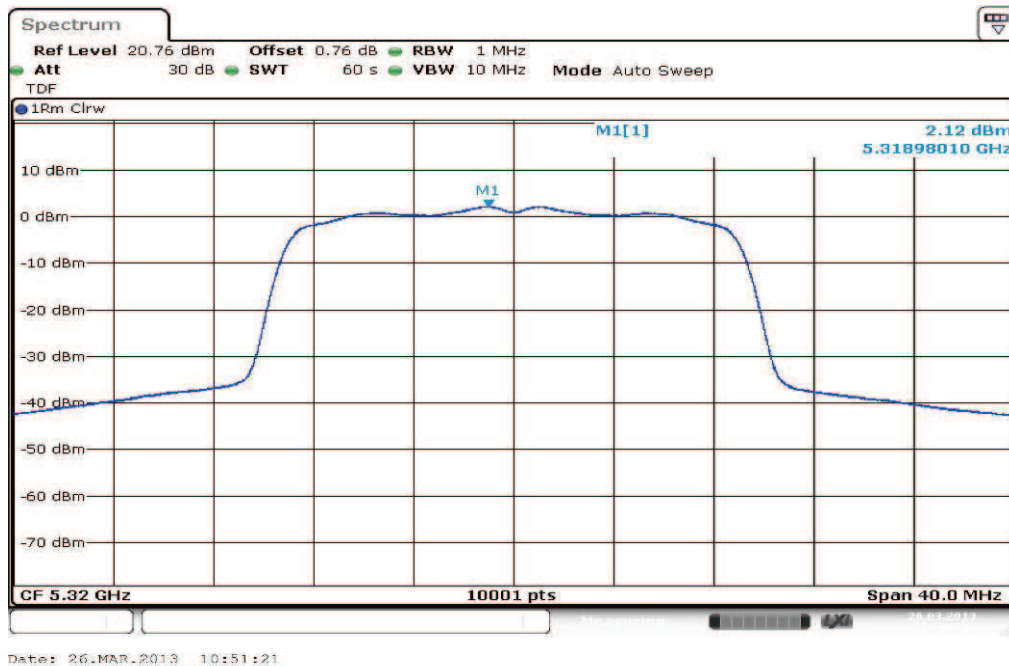


Plots: OFDM / n – mode HT20 MCS4

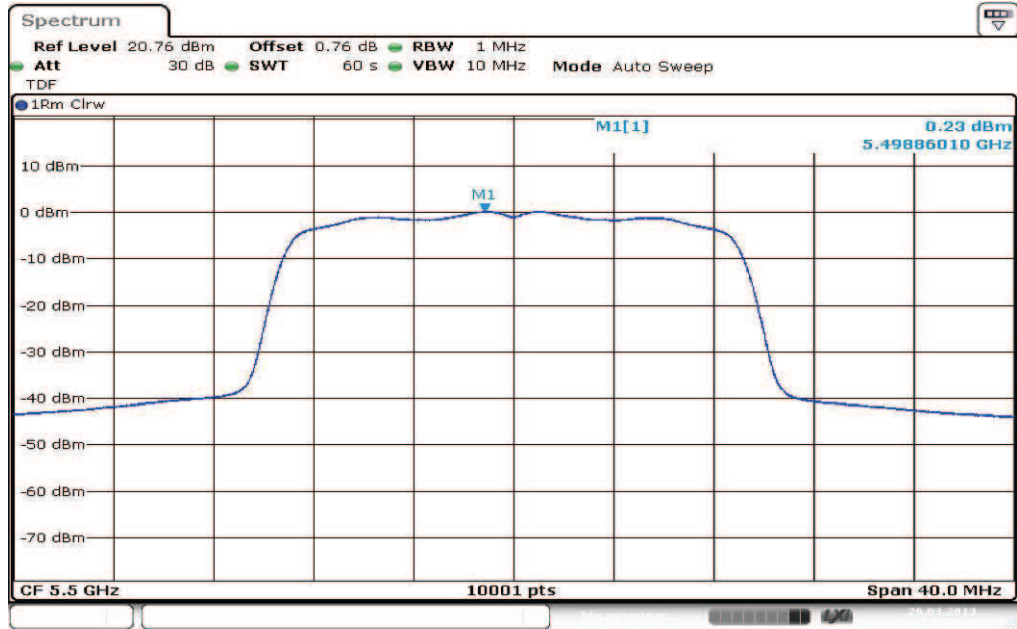
Plot 1: 5180 MHz



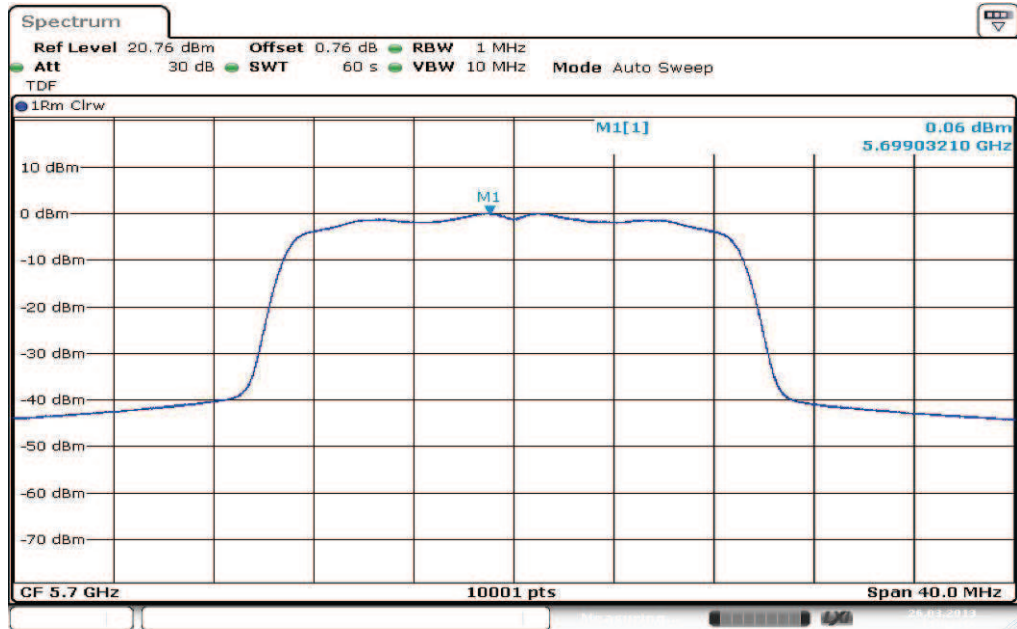
Plot 2: 5320 MHz



Plot 3: 5500 MHz

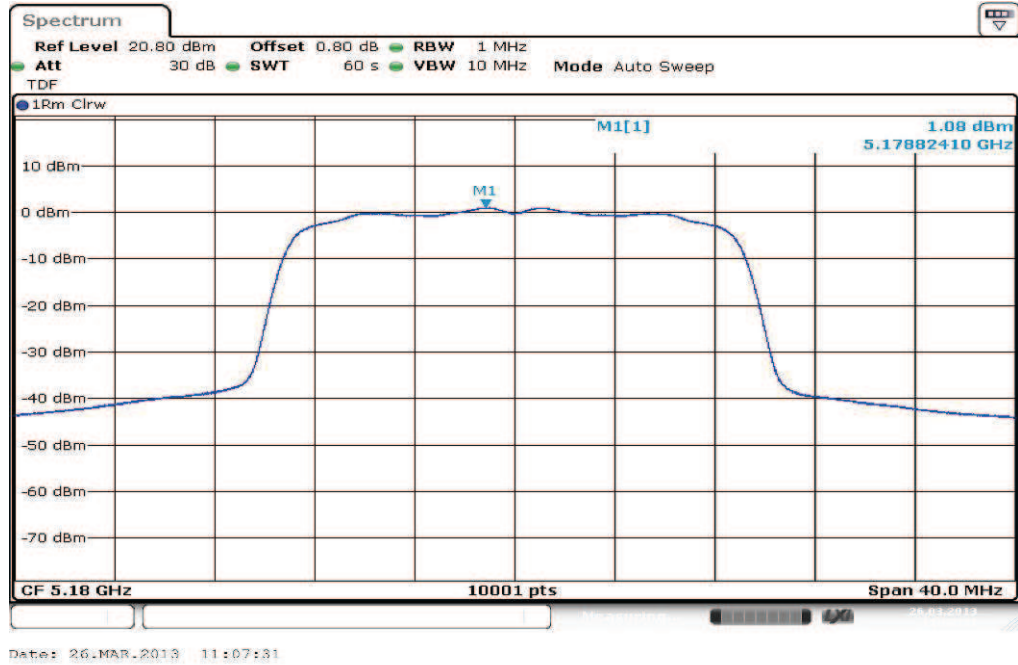


Plot 4: 5700 MHz

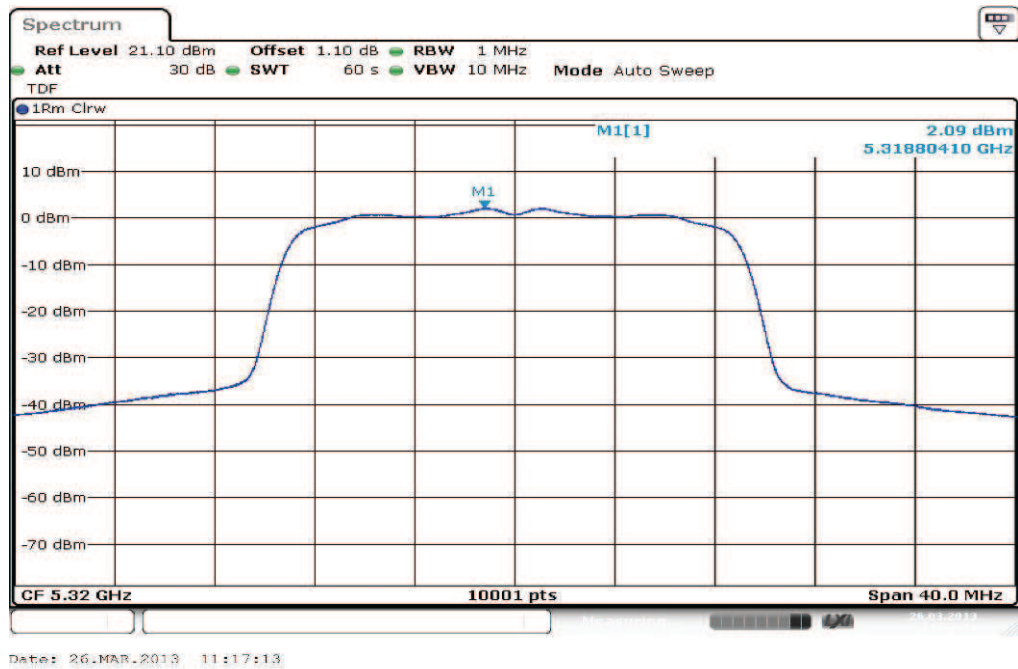


Plots: OFDM / n – mode HT20 MCS7

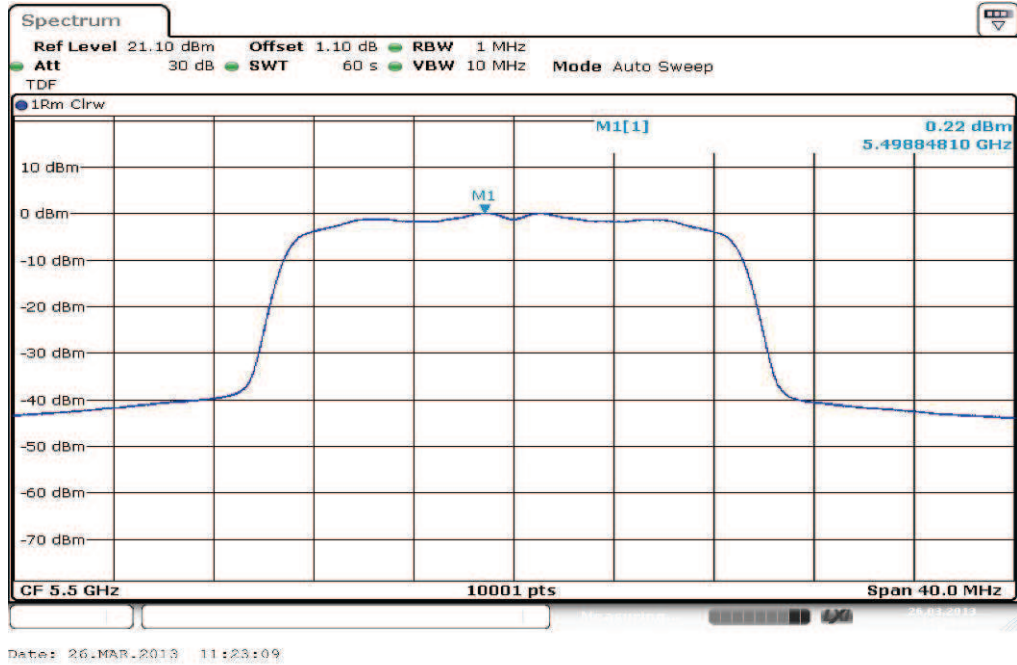
Plot 1: 5180 MHz



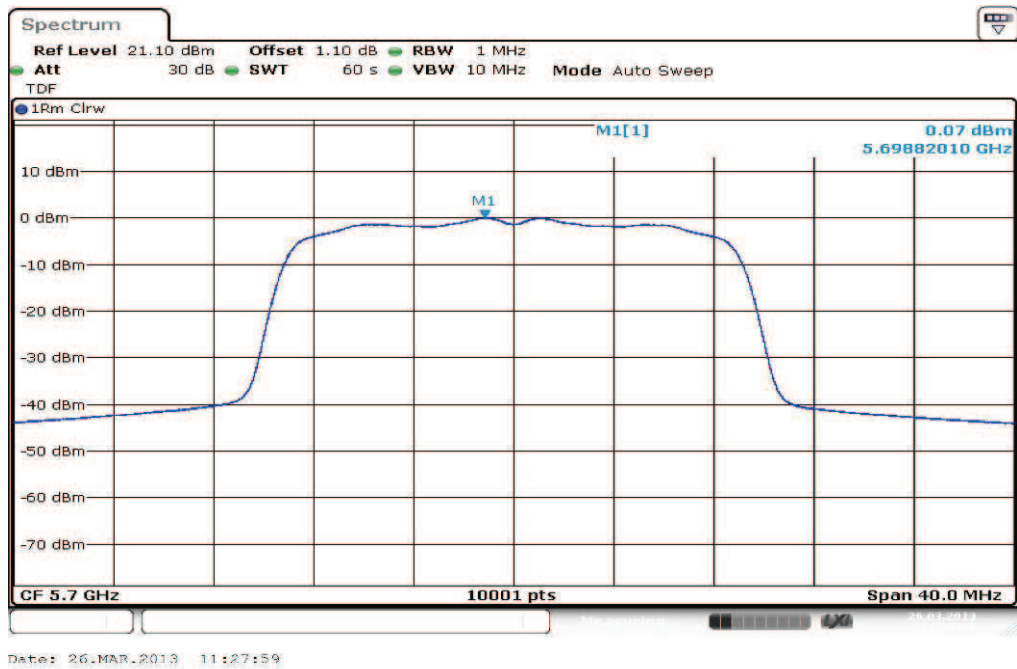
Plot 2: 5320 MHz



Plot 3: 5500 MHz



Plot 4: 5700 MHz



9.7 Spectrum bandwidth – 26 dB bandwidth

Description:

Measurement of the 26 dB bandwidth of the modulated signal.

Measurement:

Measurement parameter	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	1% EBW
Video bandwidth:	≥ RBW
Span:	> complete signal!
Trace-Mode:	Max hold

Limits:

Spectrum Bandwidth – 26 dB Bandwidth
-/-

Result: OFDM / a – mode 6 Mbps

OFDM / a – mode Channel	26 dB BANDWIDTH [MHz]			
	Lowest 5180 MHz	Highest 5240 MHz	Highest 5320 MHz	Lowest 5500 MHz
	19.13	19.23	19.08	19.03
Channel	Highest 5700 MHz			
	19.13			
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / a – mode 24 Mbps

OFDM / a – mode Channel	26 dB BANDWIDTH [MHz]			
	Lowest 5180 MHz	Highest 5240 MHz	Highest 5320 MHz	Lowest 5500 MHz
	19.08	18.93	18.93	18.88
Channel	Highest 5700 MHz			
	18.98			
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / a – mode 54 Mbps

OFDM / a – mode Channel	26 dB BANDWIDTH [MHz]			
	Lowest 5180 MHz	Highest 5240 MHz	Highest 5320 MHz	Lowest 5500 MHz
	18.98	19.03	18.93	18.98
Channel	Highest 5700 MHz			
	19.08			
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / n – mode HT20 MCS0

OFDM / n – mode HT20 Channel	26 dB BANDWIDTH [MHz]			
	Lowest 5180 MHz	Highest 5320 MHz	Lowest 5500 MHz	Highest 5700 MHz
	19.63	19.43	19.58	19.48
Measurement uncertainty	± 1 dB			

Result: Passed

Result: OFDM / n – mode HT20 MCS4

OFDM / n – mode HT20 Channel	26 dB BANDWIDTH [MHz]			
	Lowest 5180 MHz	Highest 5320 MHz	Lowest 5500 MHz	Highest 5700 MHz
	19.33	19.43	19.28	19.38
Measurement uncertainty	± 1 dB			

Result: Passed

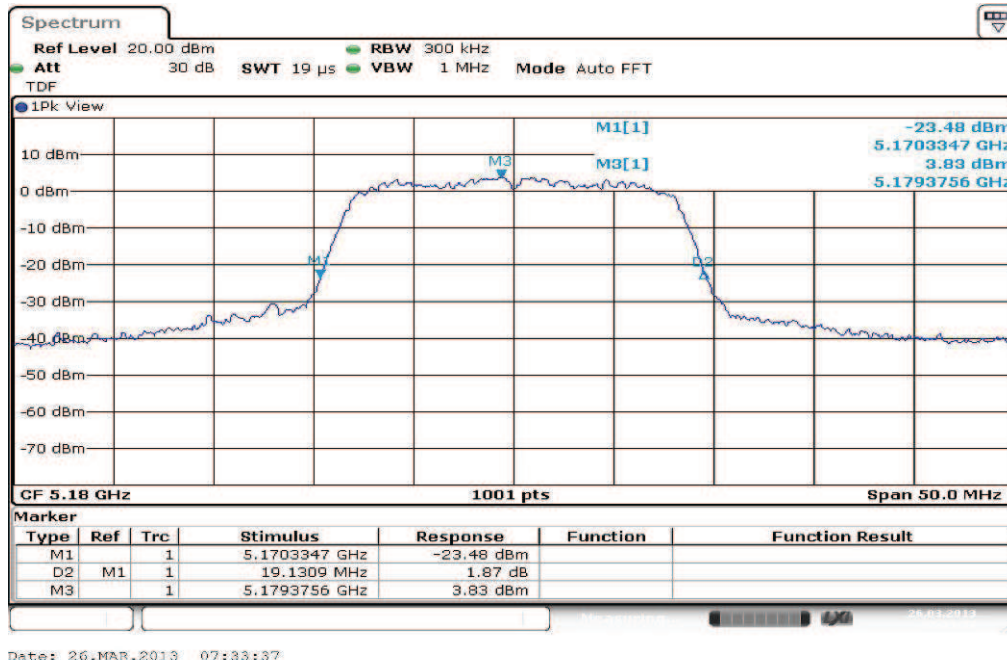
Result: OFDM / n – mode HT20 MCS7

OFDM / n – mode HT20 Channel	26 dB BANDWIDTH [MHz]			
	Lowest 5180 MHz	Highest 5320 MHz	Lowest 5500 MHz	Highest 5700 MHz
	19.33	19.28	19.33	19.33
Measurement uncertainty	± 1 dB			

Result: Passed

Plots: OFDM / a – mode 6 Mbps

Plot 1: 5180 MHz



Plot 2: 5240 MHz

