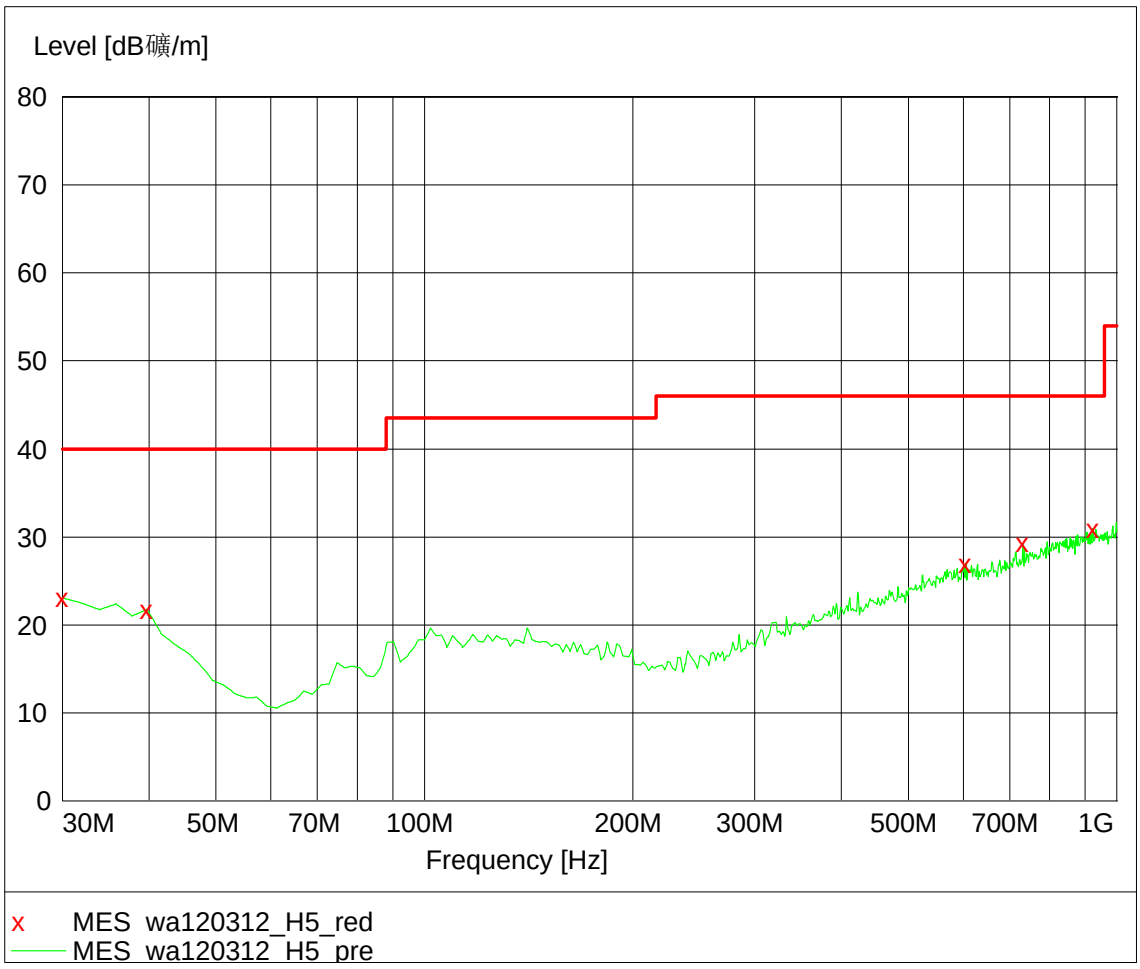
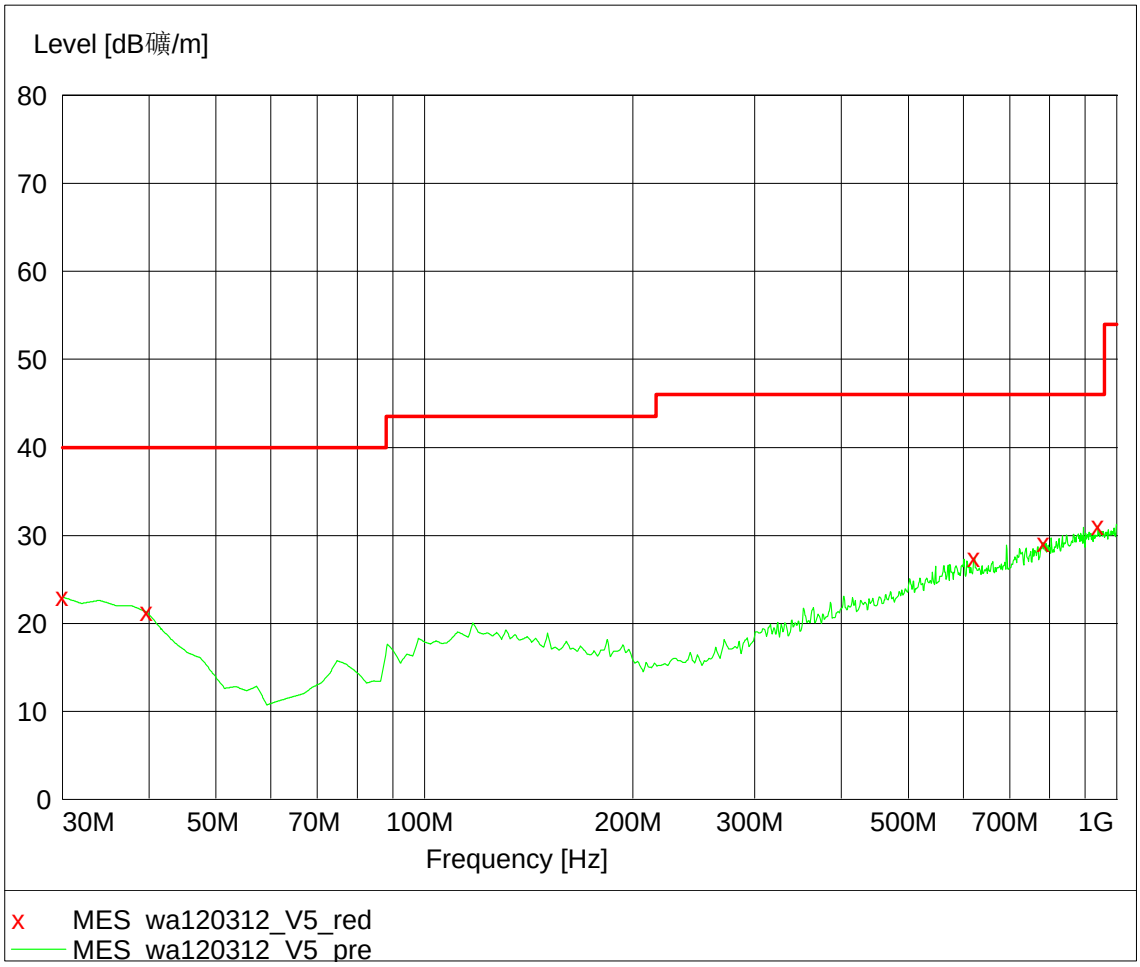
Test Data

1. Radiated emission

Horizontal

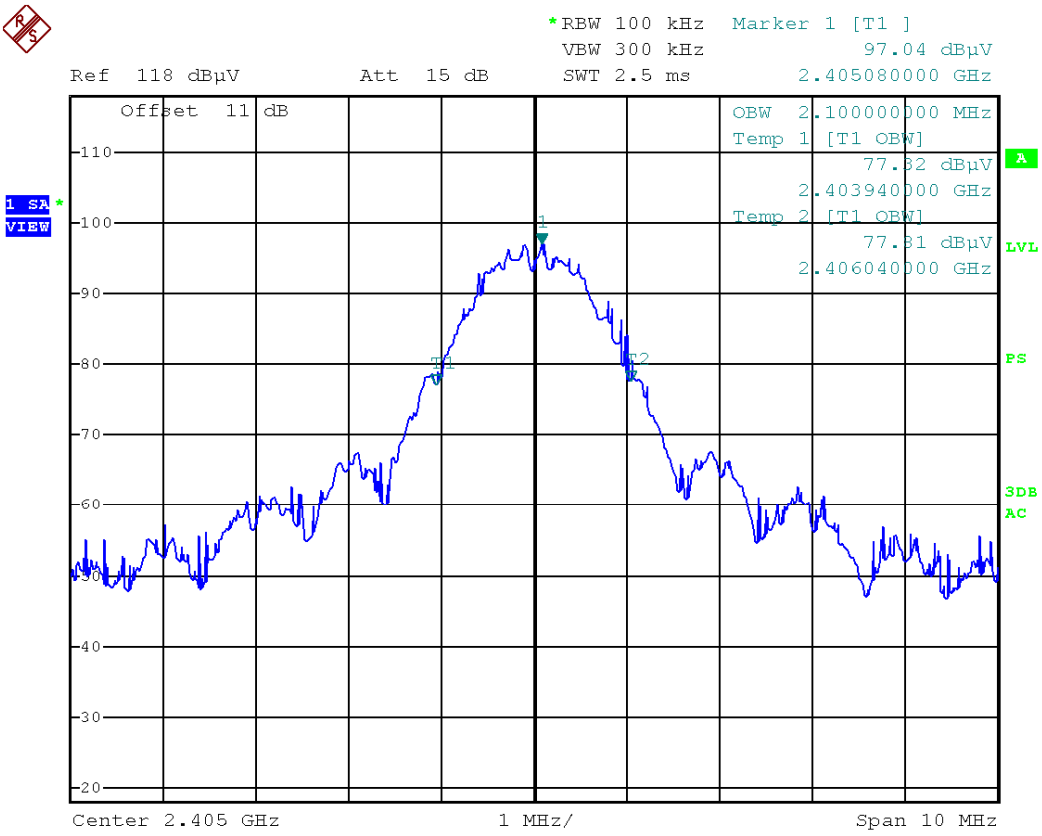


Vertical


Level [dBµV/m]
80
70
60
50
40
30
20
10
0
30M
50M
70M
100M
200M
300M
500M
700M
1G
Frequency [Hz]
MES wa120312_V5_red
MES wa120312_V5_pre

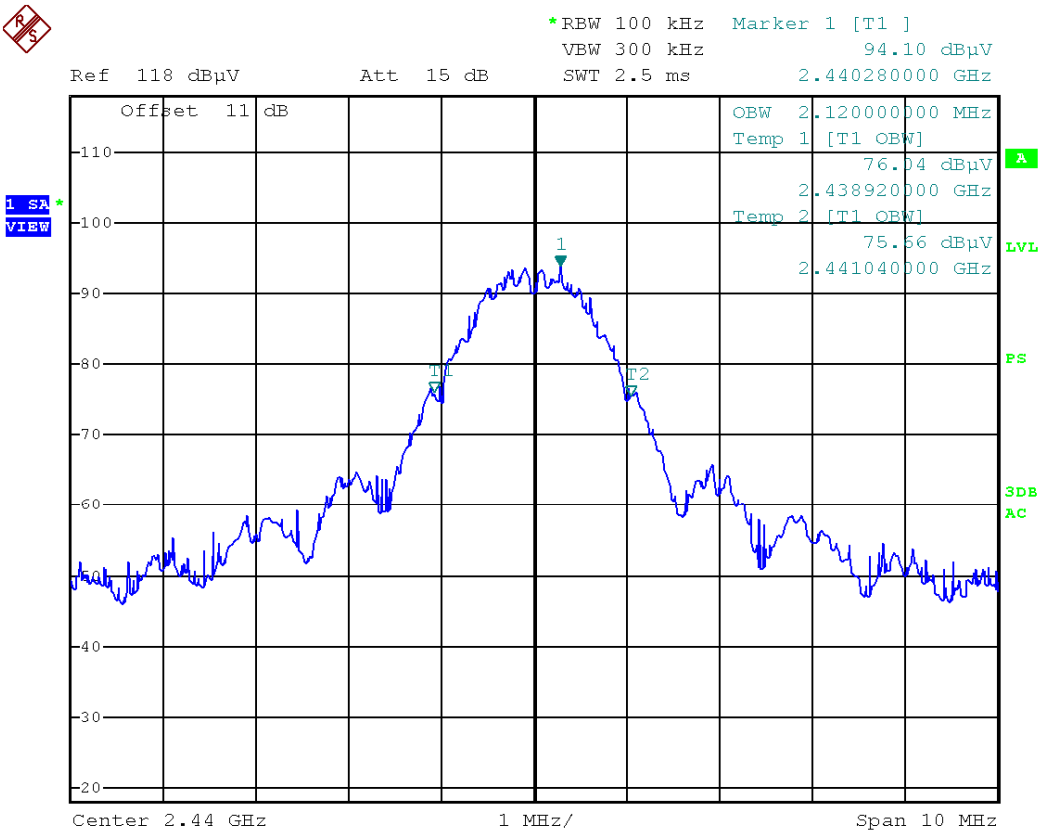
2. Occupied bandwidth

Channel L



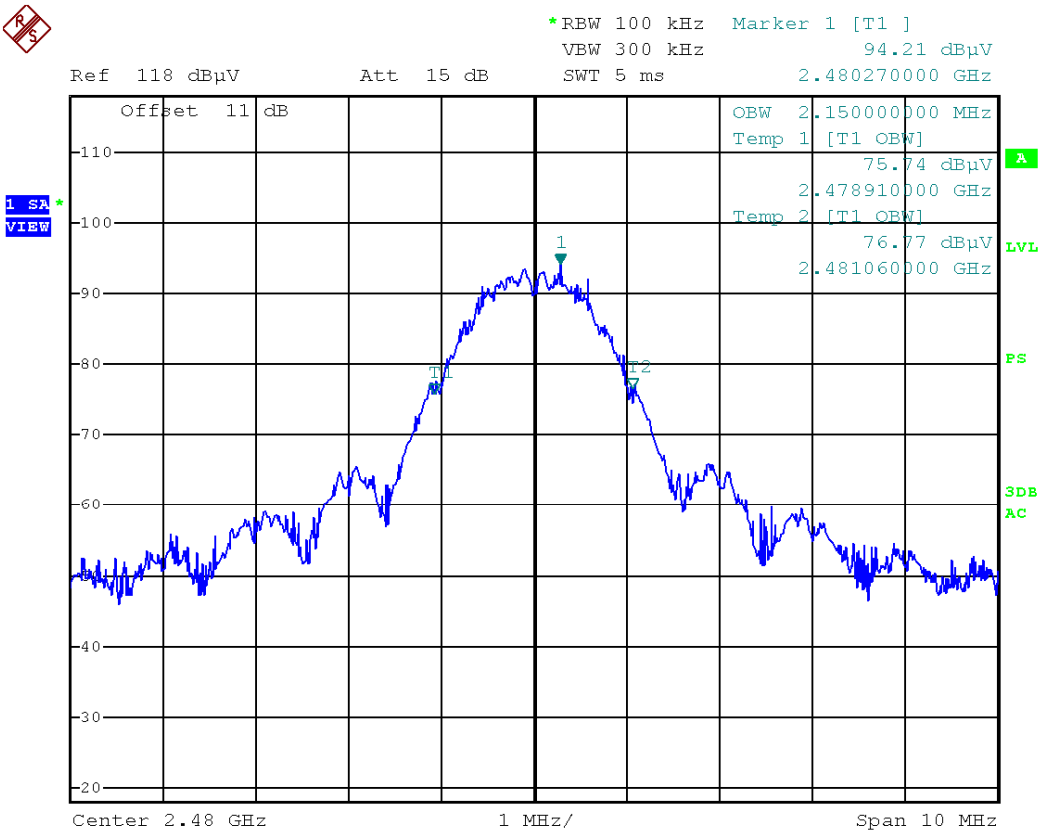
Date: 13.MAR.2012 14:42:18

Channel M



Date: 13.MAR.2012 14:58:42

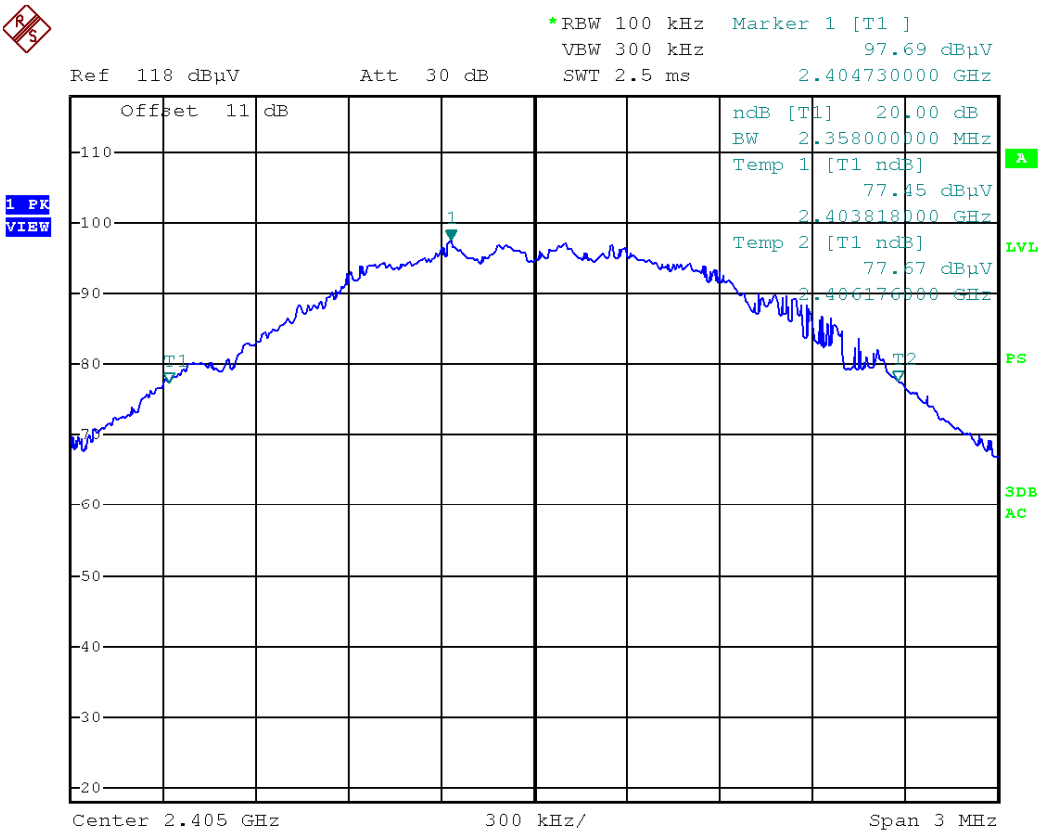
Channel H



Date: 27.MAR.2012 11:17:47

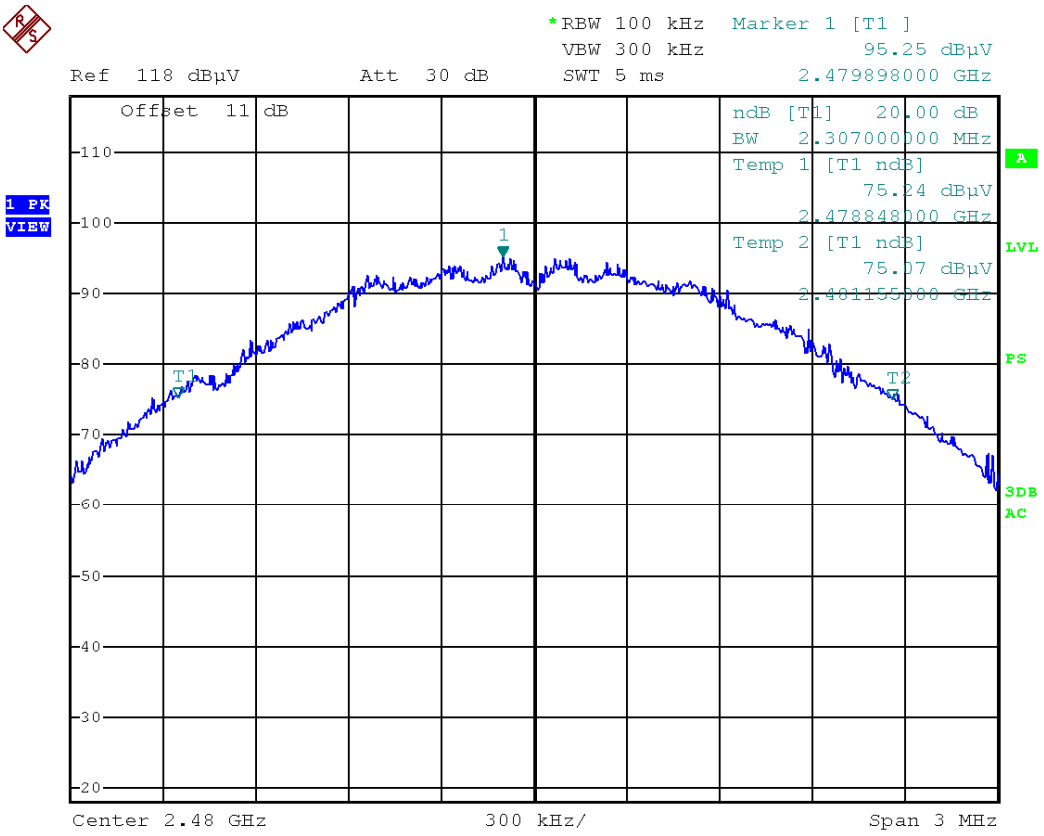
3. Assigned bandwidth (20dB bandwidth)

Channel L



Date: 13.MAR.2012 14:43:38

Channel H

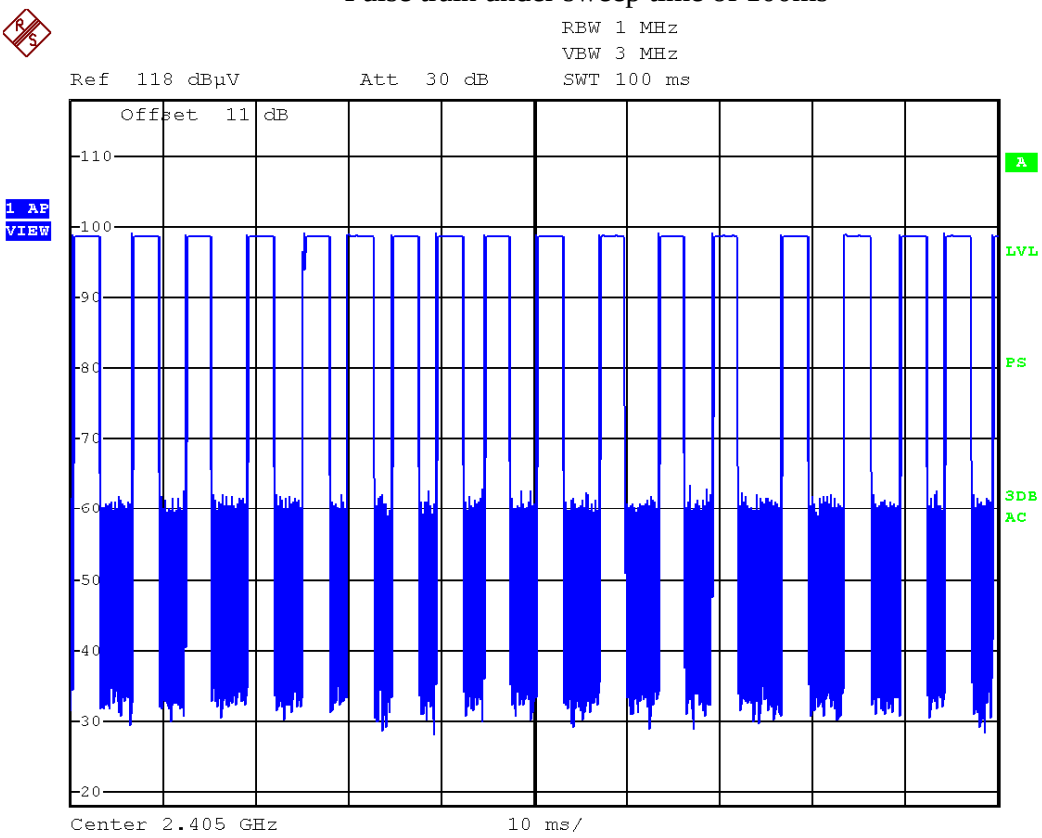


Date: 27.MAR.2012 11:19:05

From the data above, it was found the Assigned bandwidth is 2403.82MHz – 2481.16MHz.

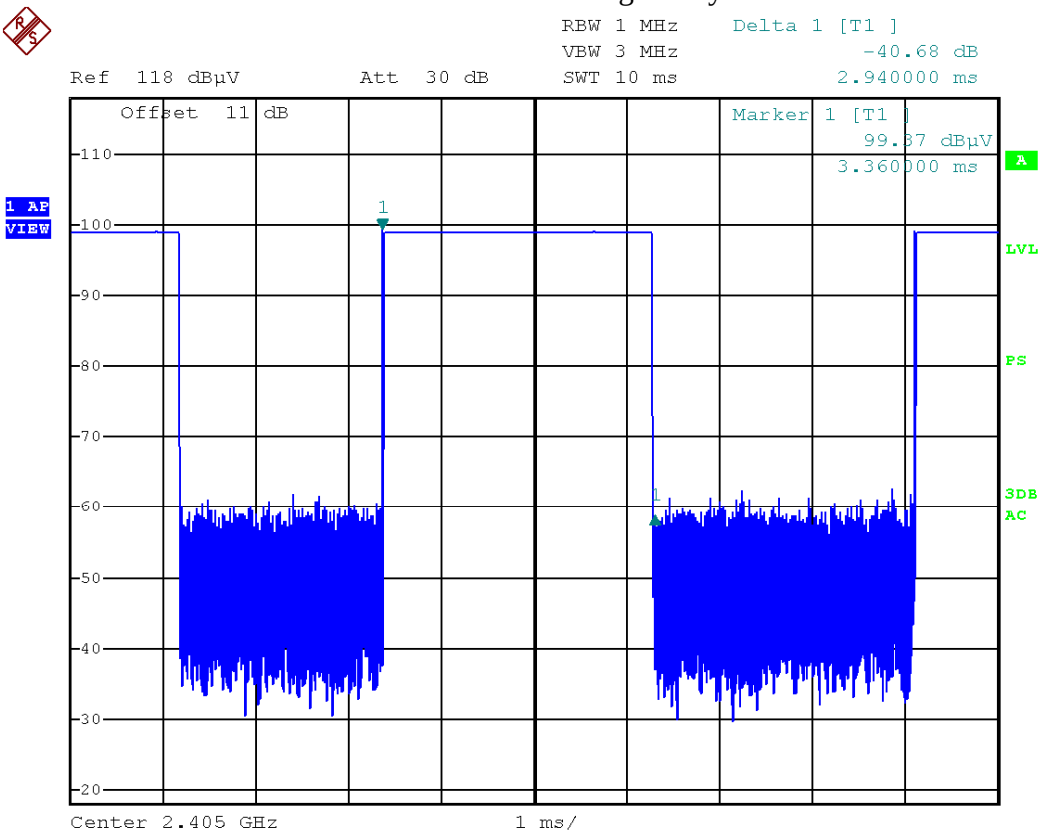
4. Duty Cycle

Pulse train under sweep time of 100ms



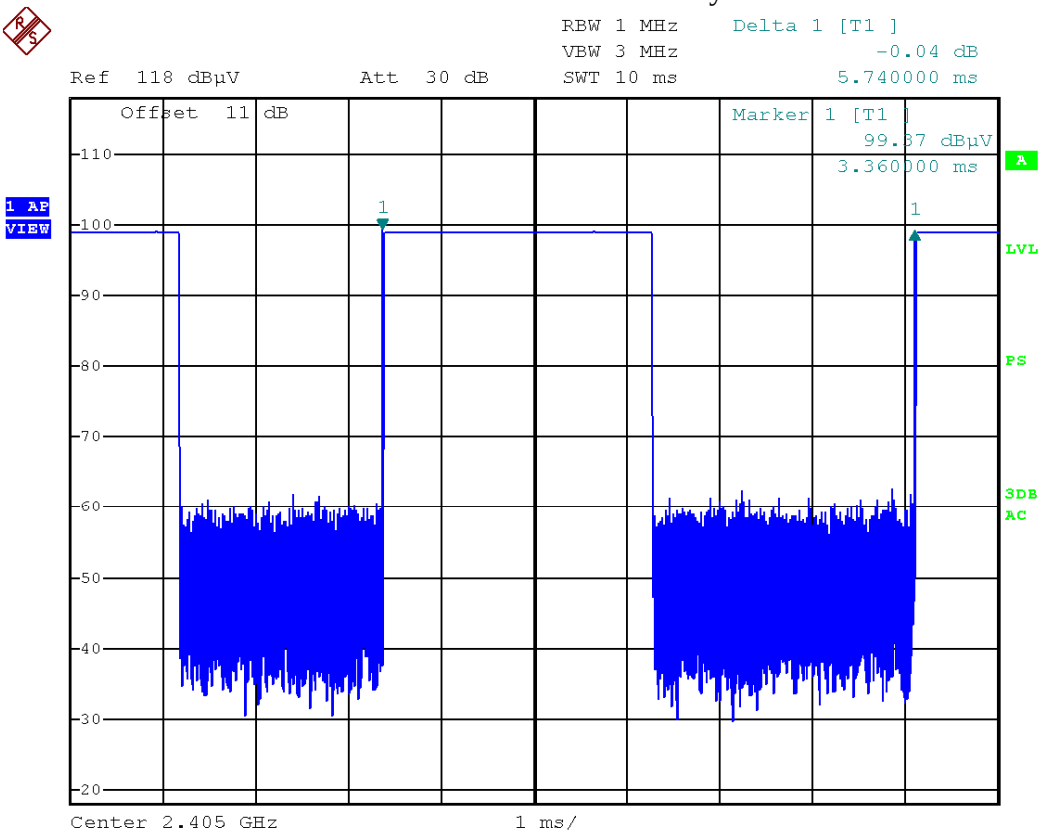
Date: 13.MAR.2012 14:37:57

“On” time among one cycle



Date: 13.MAR.2012 14:39:40

The dwell time of one cycle



Date: 13.MAR.2012 14:39:17

The duty cycle = 2.94ms /5.74ms = 0.512