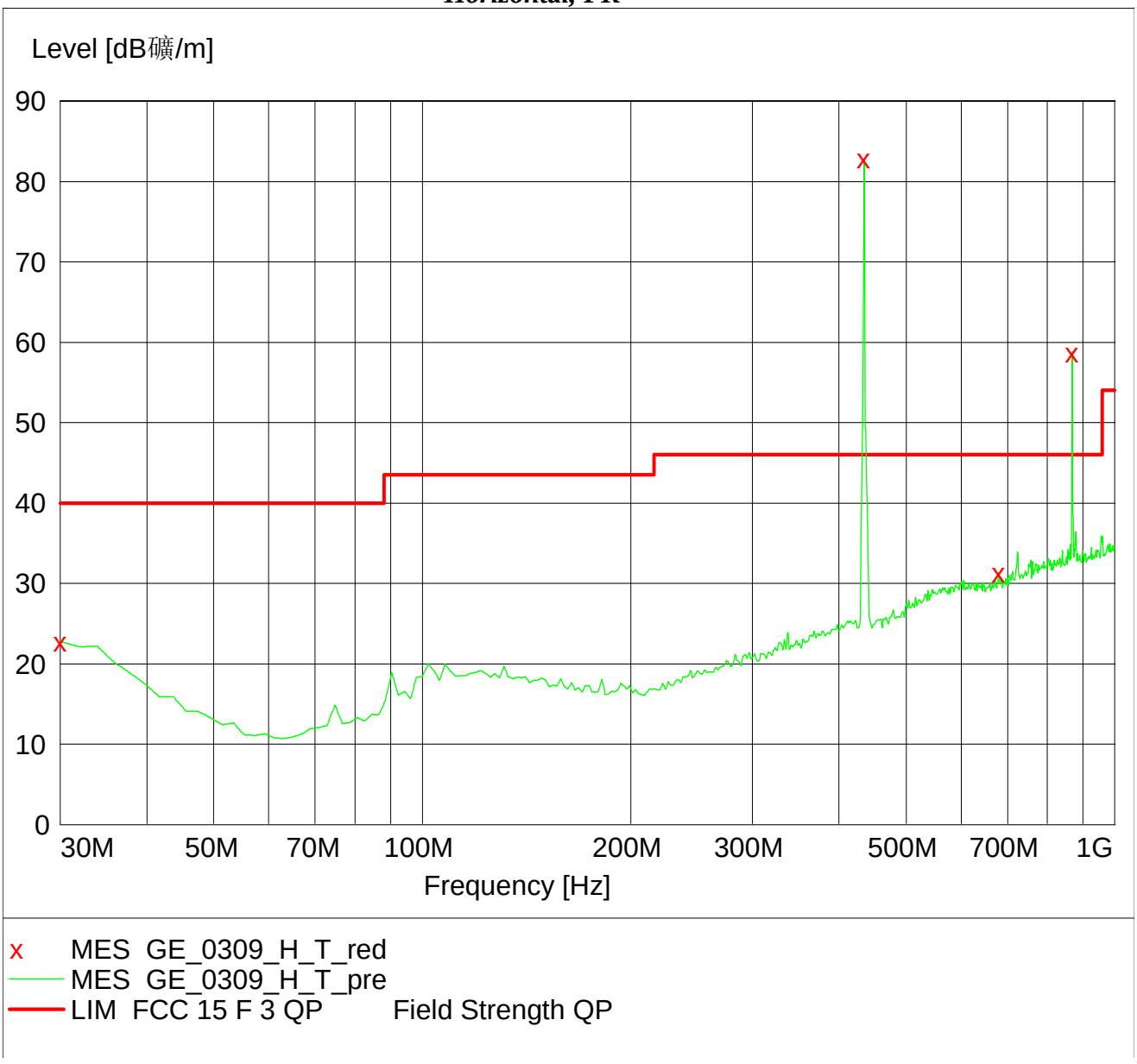
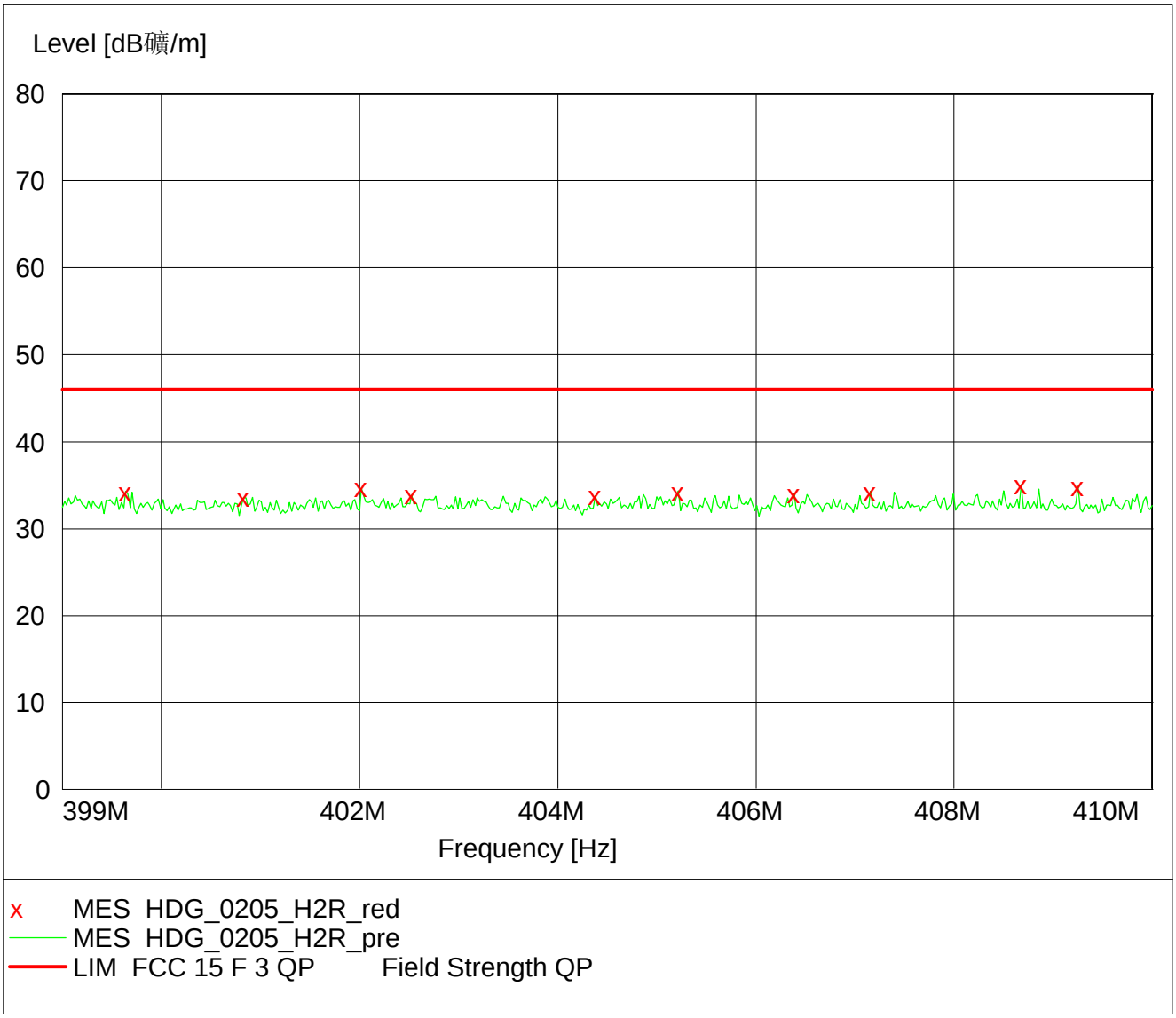
Test Data

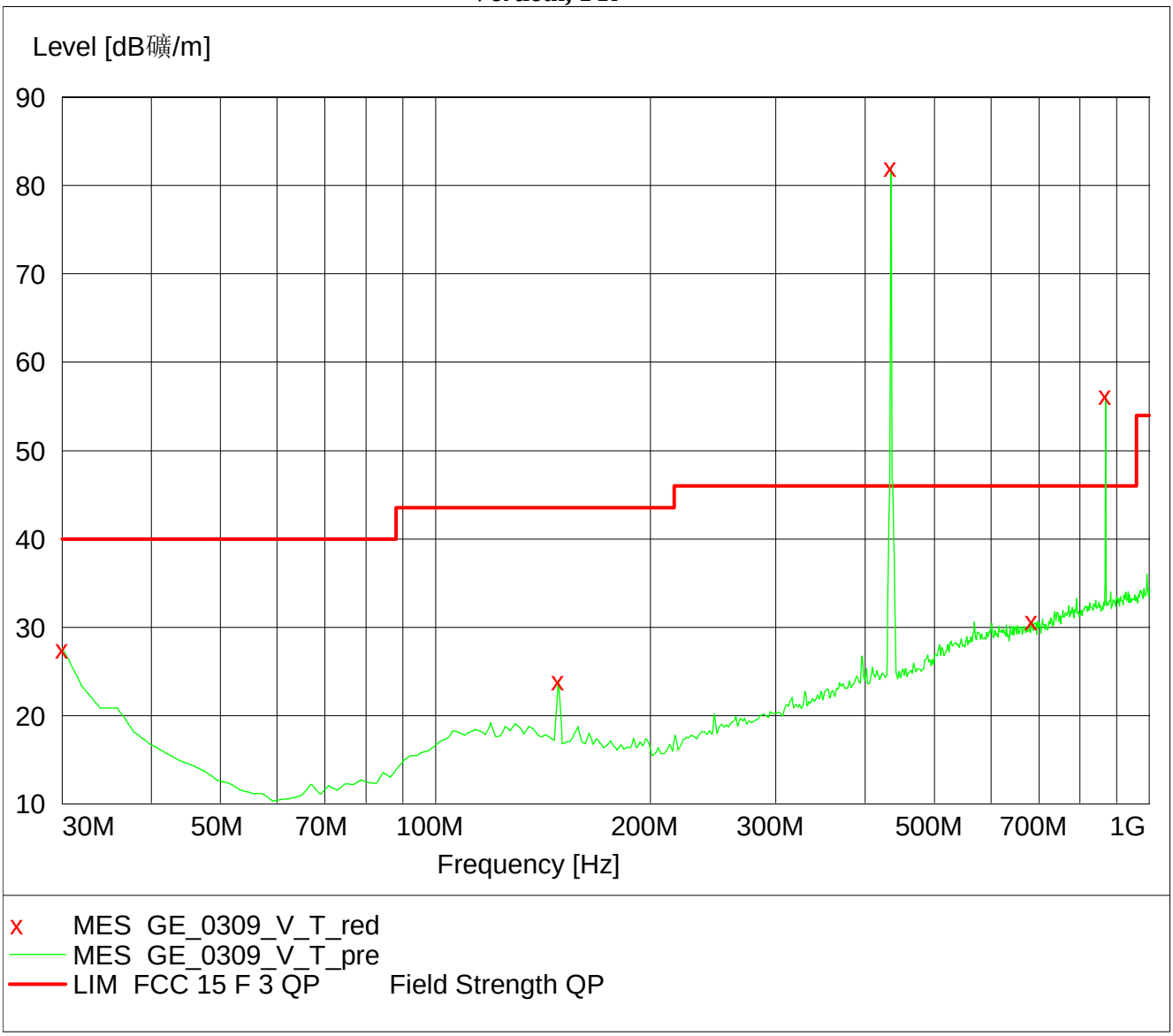
1. Fundamental & Spurious Emission & Restrict band radiated emission

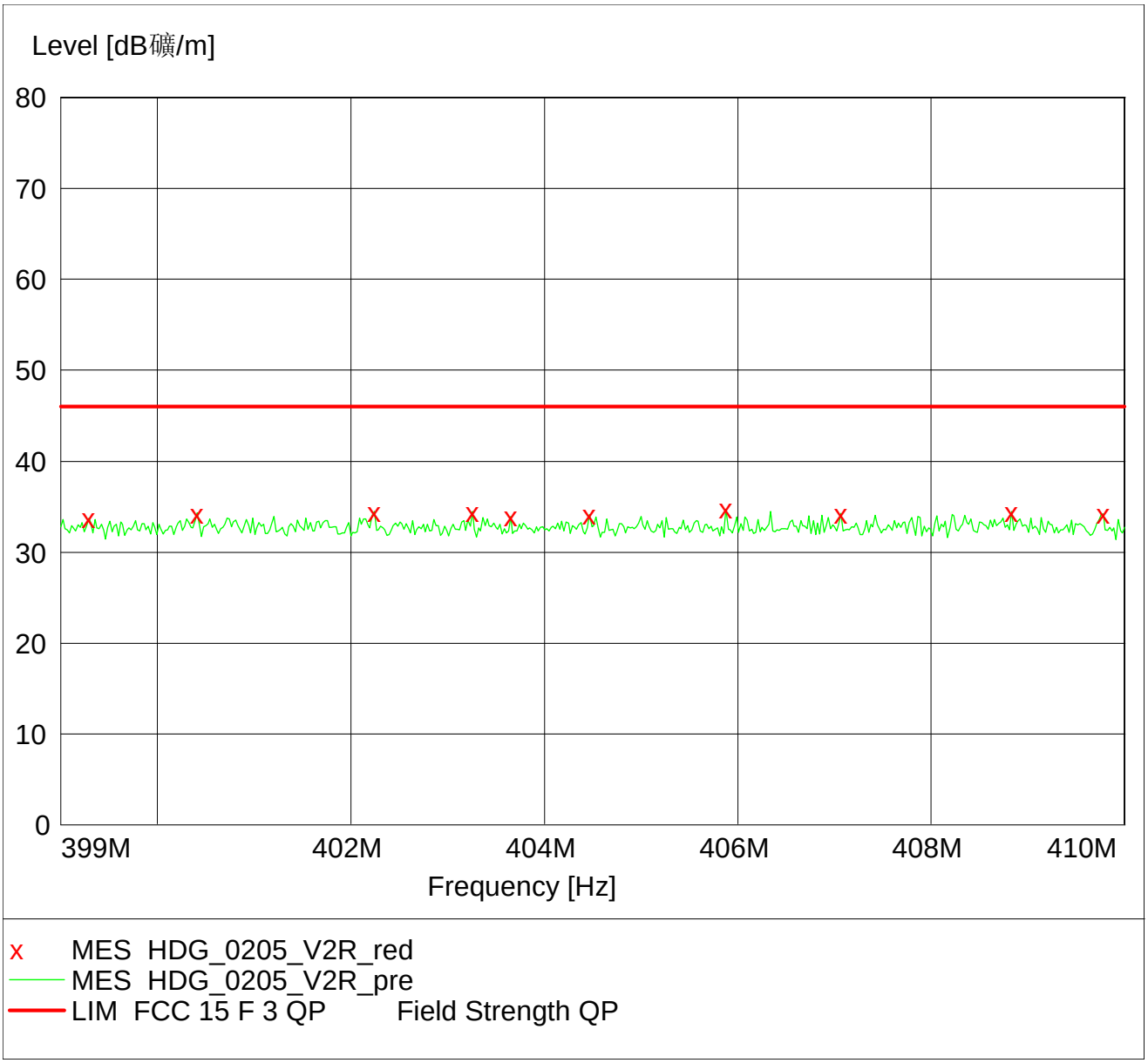
Horizontal, PK



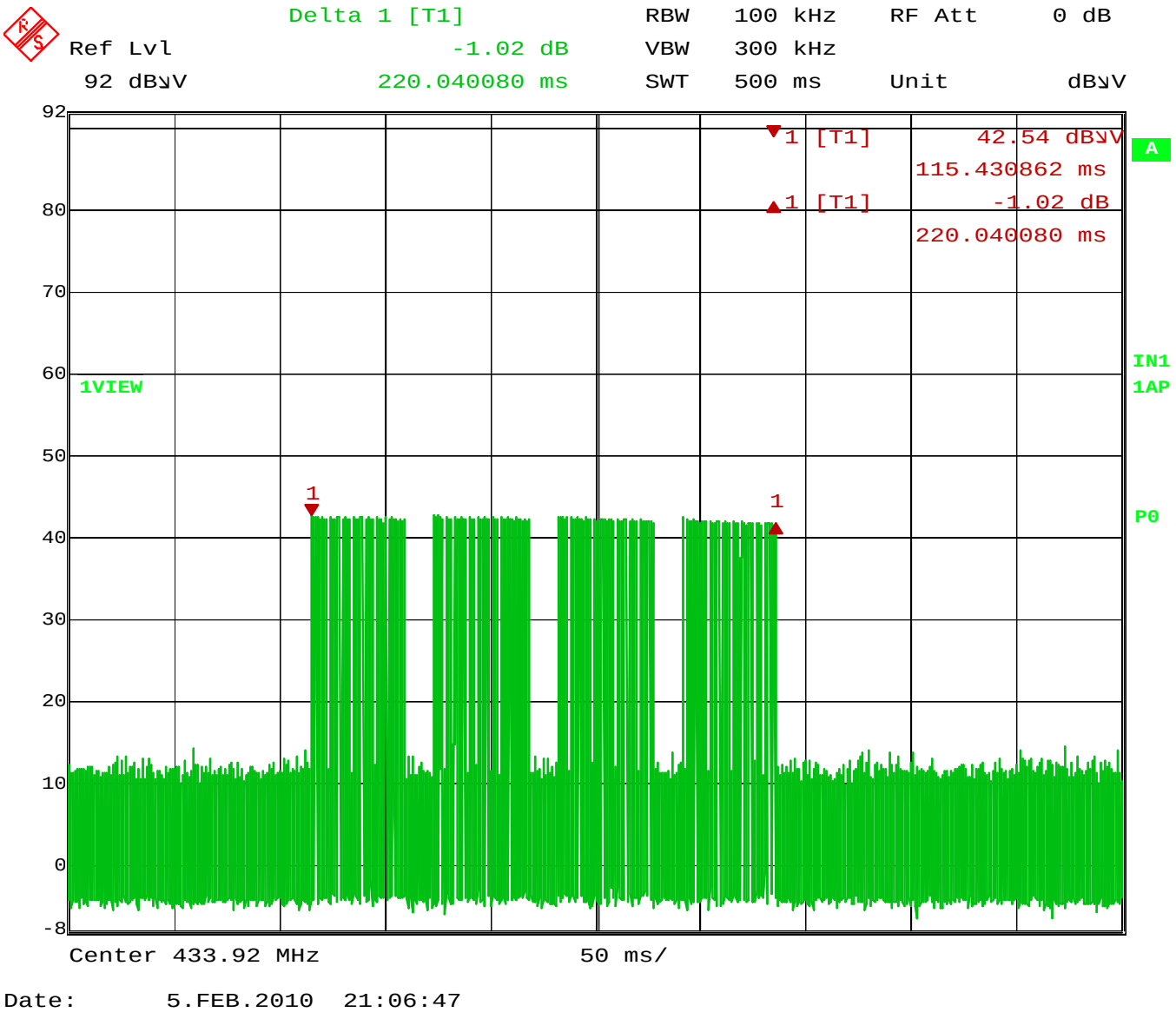

Level [dBµV/m]
80
70
60
50
40
30
20
10
0
399M
402M
404M
406M
408M
410M
Frequency [Hz]
x MES HDG_0205_H2R_red
MES HDG_0205_H2R_pre
LIM FCC 15 F 3 QP Field Strength QP

Vertical, PK

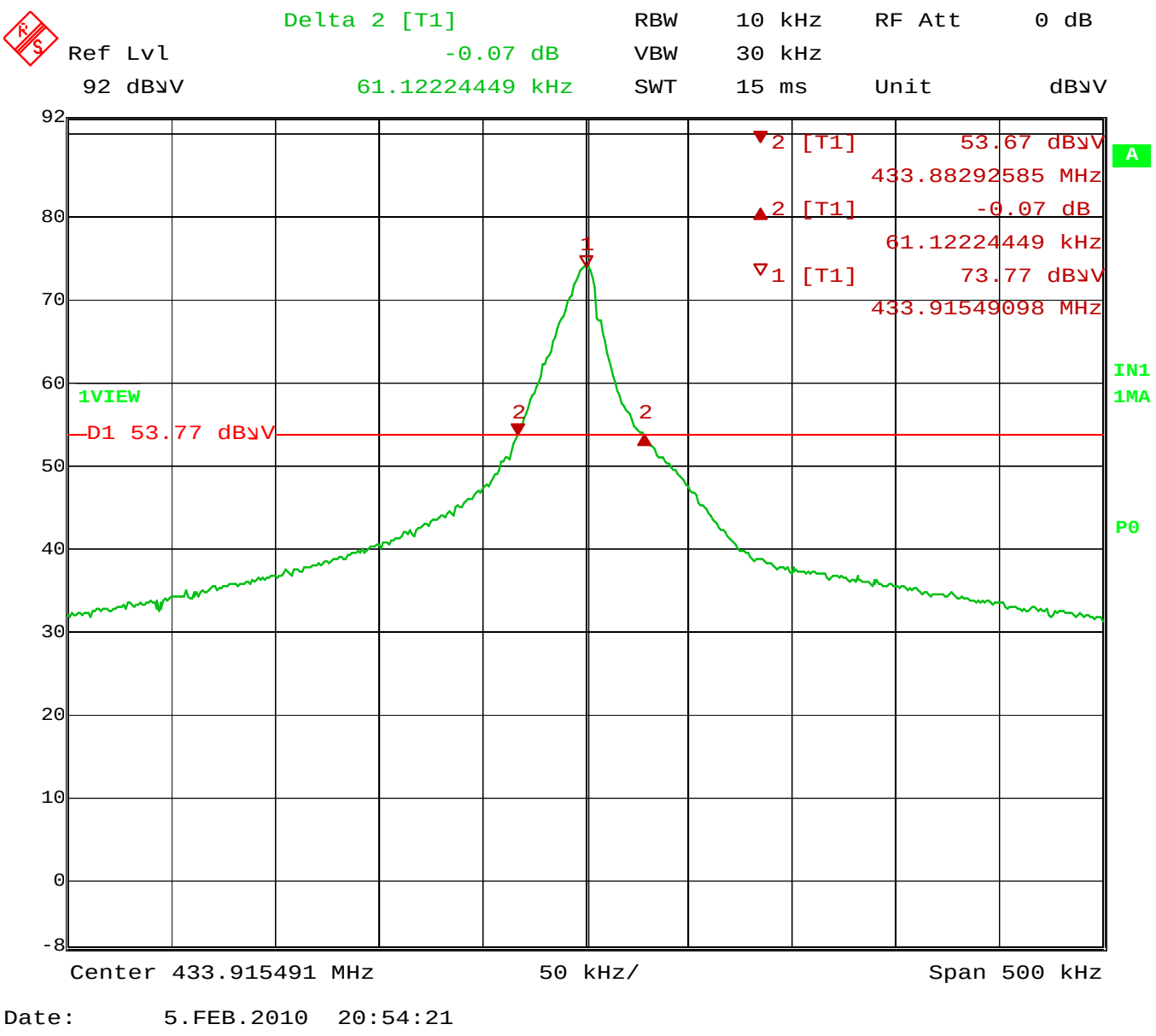

Level [dBµV/m]
90
80
70
60
50
40
30
20
10
30M
50M
70M
100M
200M
300M
500M
700M
1G
Frequency [Hz]
x MES GE_0309_V_T_red
MES GE_0309_V_T_pre
LIM FCC 15 F 3 QP Field Strength QP


Level [dB礦/m]
80
70
60
50
40
30
20
10
0
399M
402M
404M
406M
408M
410M
Frequency [Hz]
x MES HDG_0205_V2R_red
MES HDG_0205_V2R_pre
LIM FCC 15 F 3 QP Field Strength QP

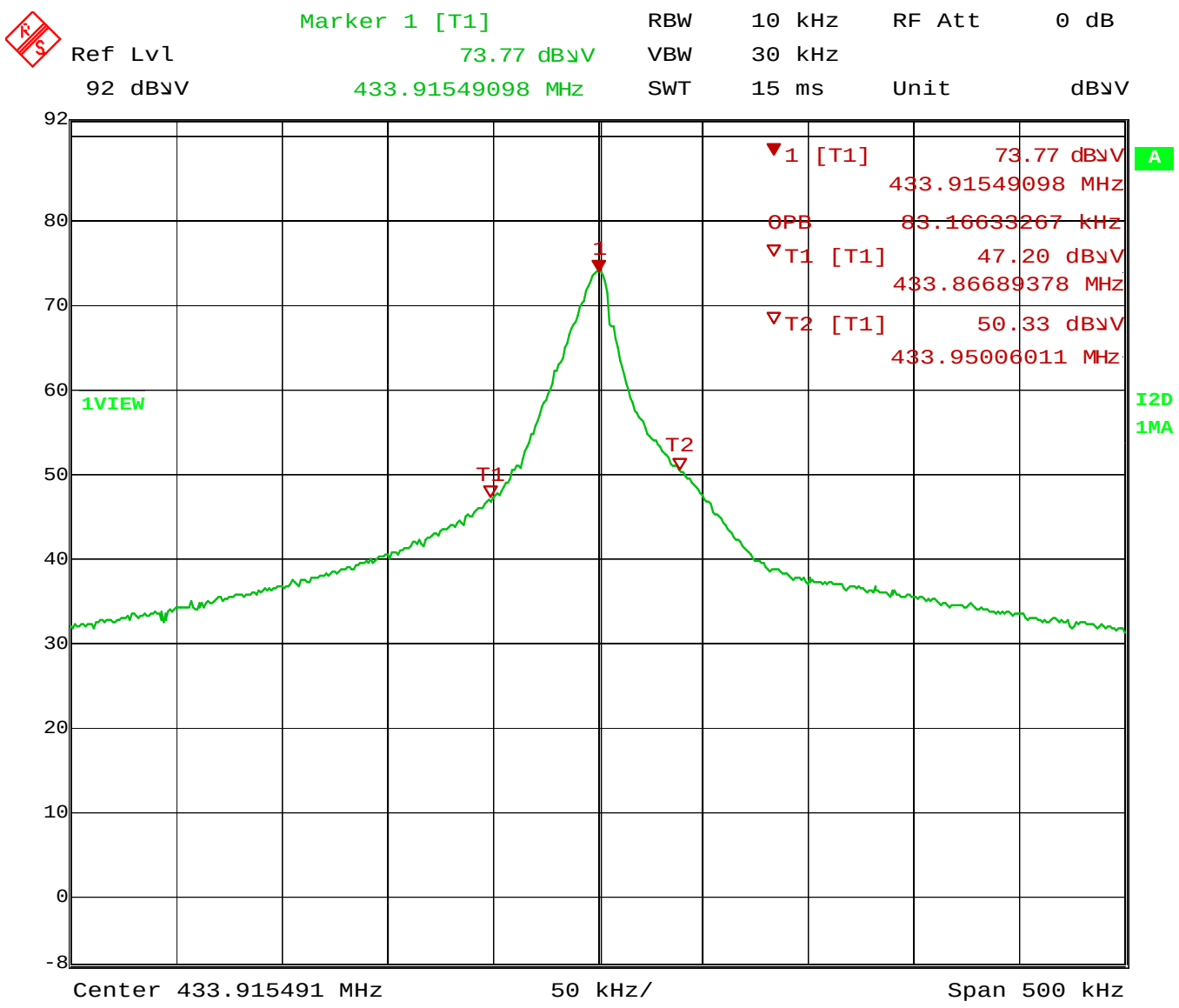
2. Deactivating time



3. Emission Bandwidth

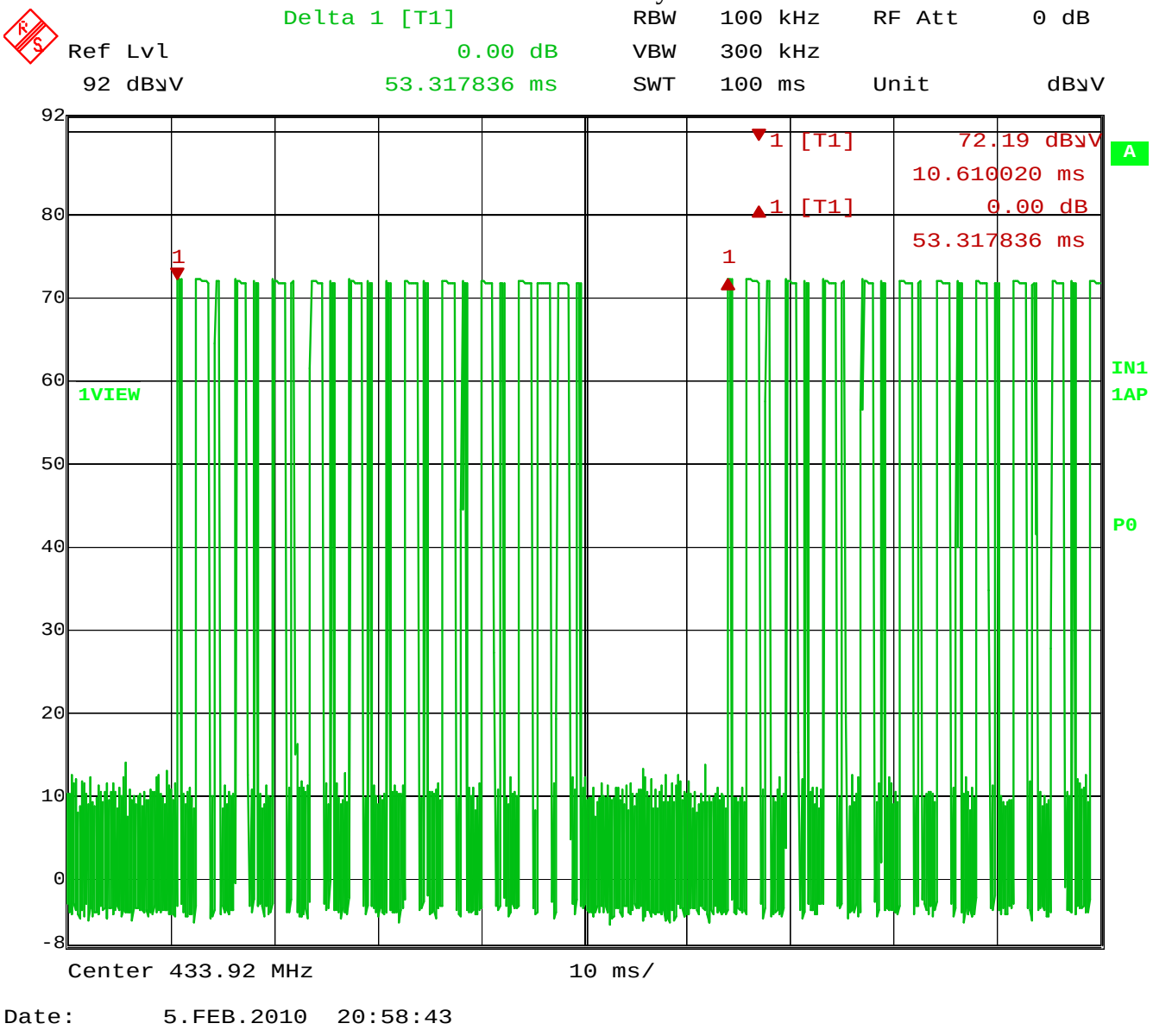


4. Occupied Bandwidth



5. Duty Cycle

Pulse Train of “On” key



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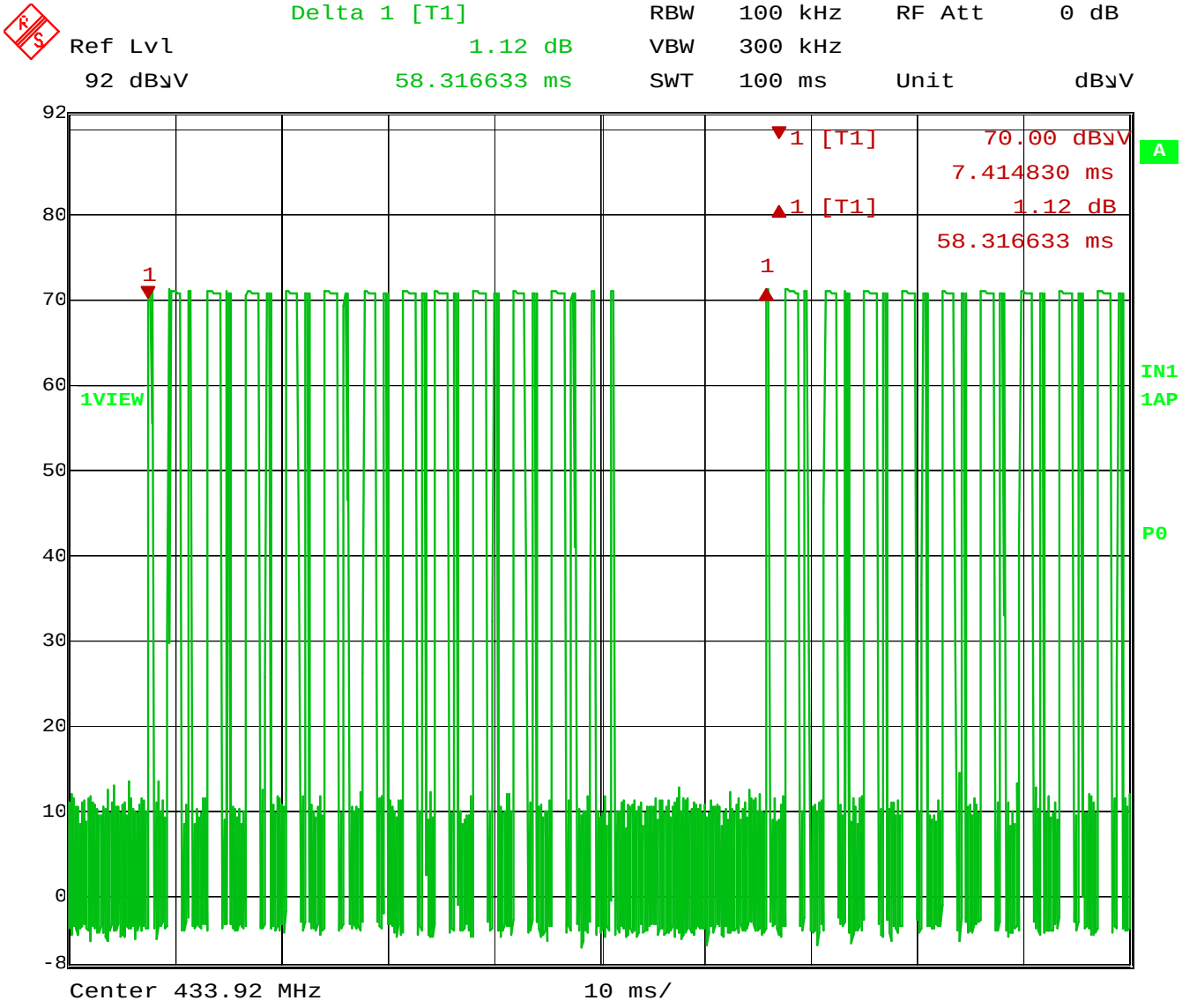
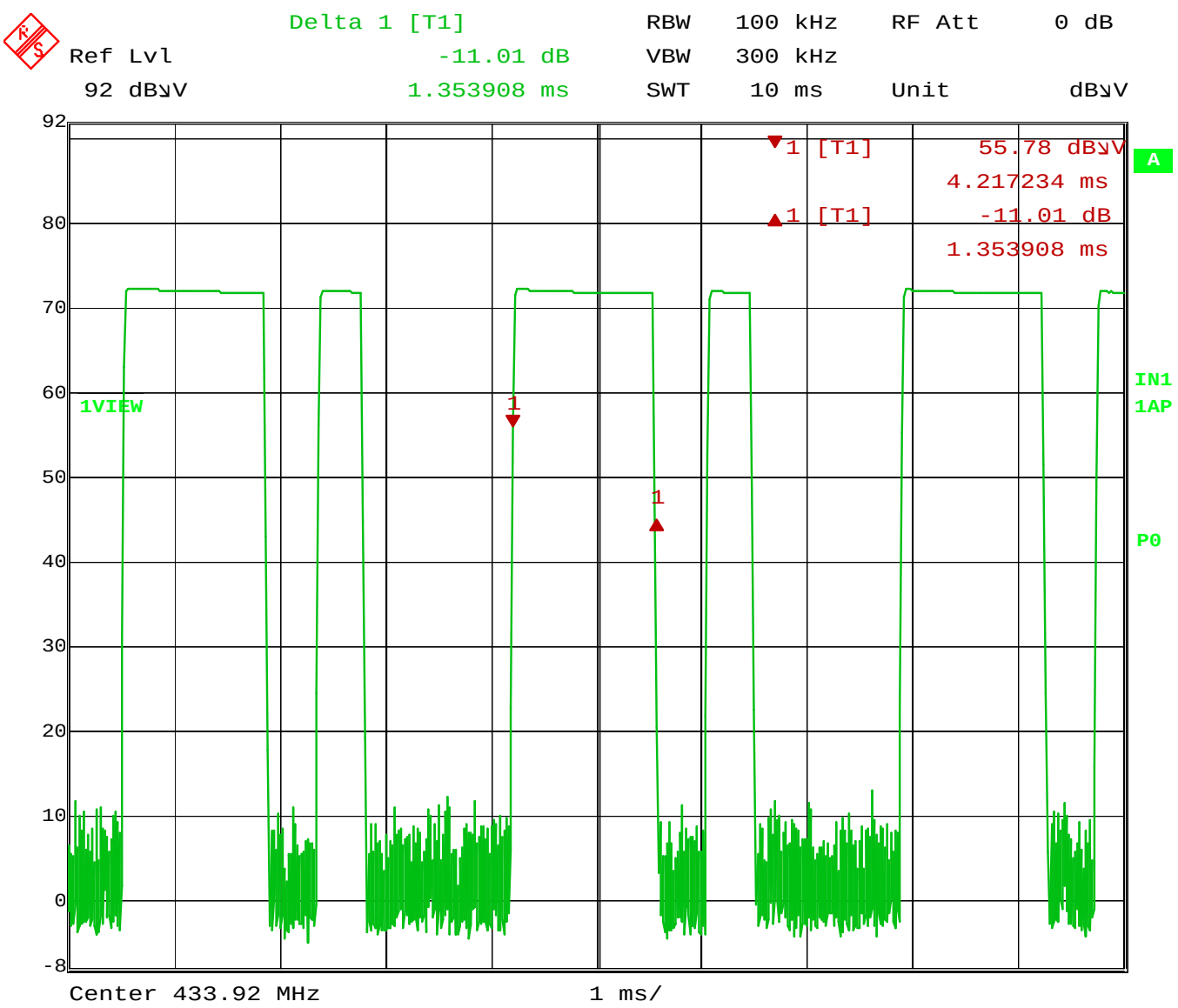
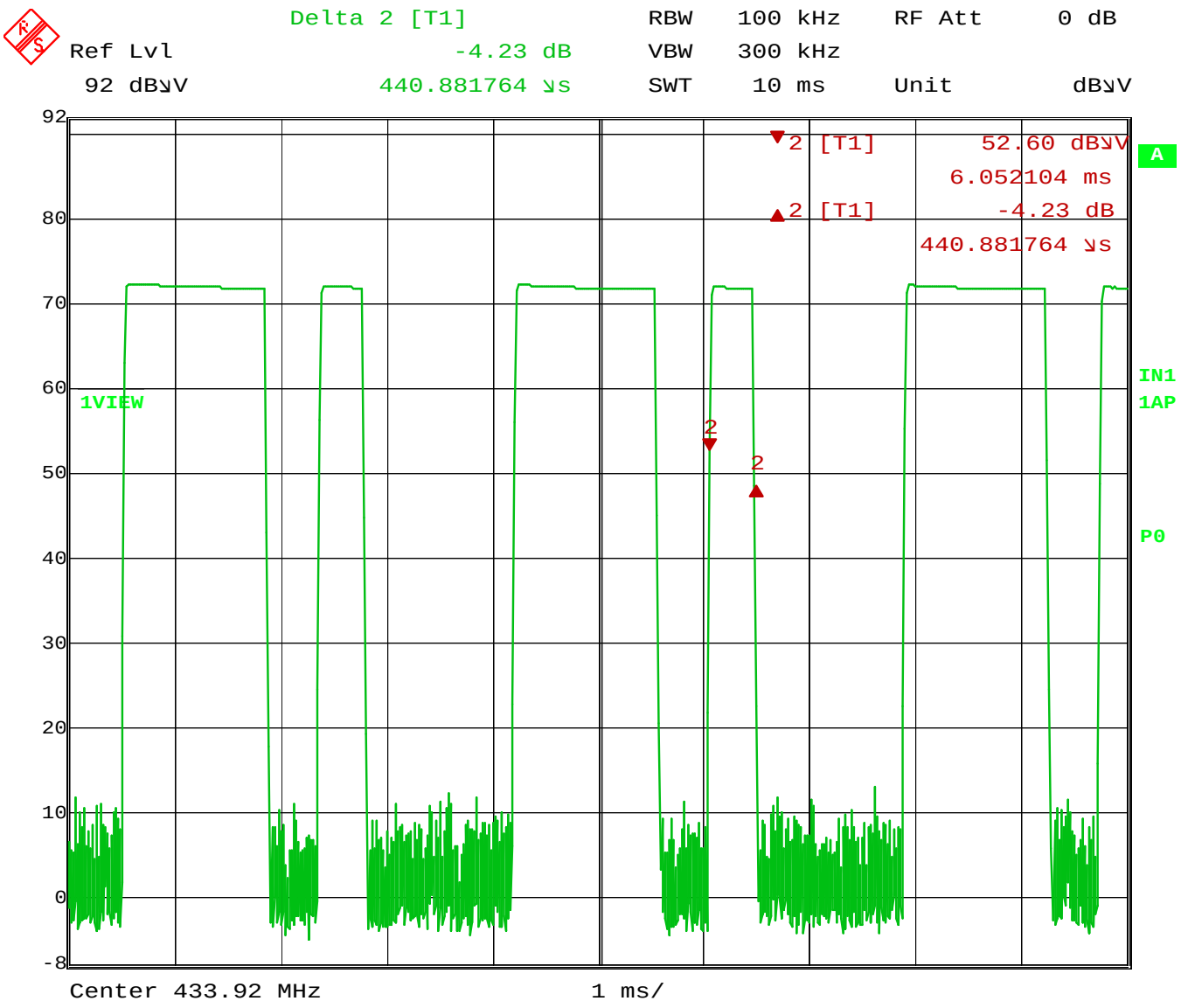
Pulse Train of “Off” key





Date: 5.FEB.2010 21:00:32



Date: 5.FEB.2010 21:01:13

The Duty cycle of “on” key = (11 * 1.35 + 11 * 0.44) / 53.32 = 0.37
The Duty cycle of “on” key = (11 * 1.35 + 14 * 0.44) / 58.32 = 0.36

As a result, the duty cycle of 0.37 is taken into calculation.