Test Data

1. Hopping channel separation
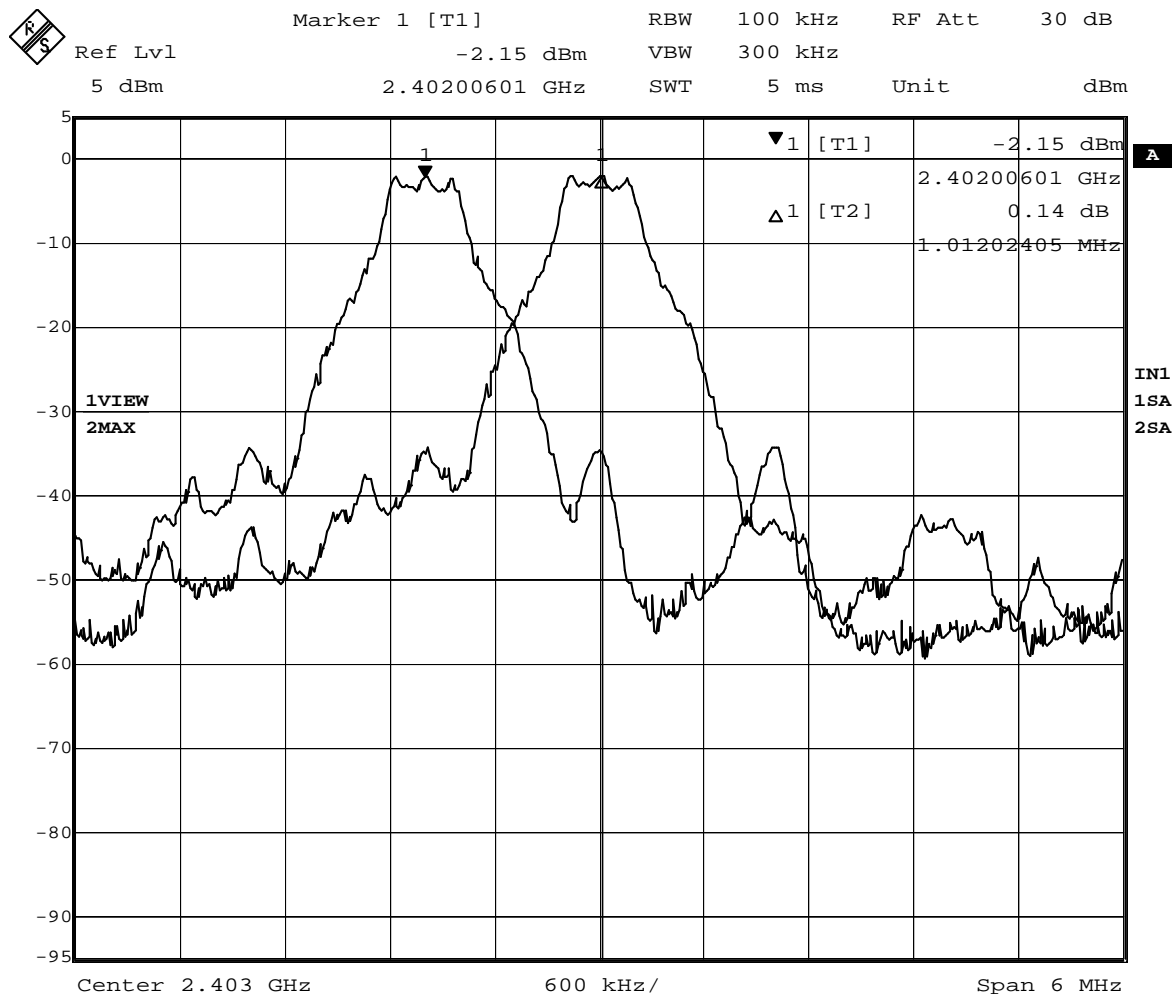
Channel 0

20dB bandwidth

Delta 2 [T1]		RBW	100 kHz	RF Att	30 dB

Ref Lvl

5 dBm   997.99599198 kHz   SWT   5 ms   Unit   dBm

VBW   300 kHz

▼2 [T1]   −21.54 dBm
2.40151303 GHz

▲2 [T1]   0.21 dB
997.99599198 kHz

▽1 [T1]   −1.99 dBm
2.40201804 GHz

D1 −21.9 dBm

1VIEW

IN1
1RM

Center 2.402 GHz   600 kHz/   Span 6 MHz

Date: 20.JUN.2007 18:53:24

Intertek **ETL SEMKO**

Channel Separation with adjacent channel

Marker 1 [T1]		RBW	100 kHz	RF Att	30 dB	
Ref Lvl	−2.15 dBm	VBW	300 kHz			
5 dBm	2.40200601 GHz	SWT	5 ms	Unit	dBm	

```
  5
                                    1                1          ▼1 [T1]        -2.15 dBm      A
  0
                                                                              2.40200601 GHz

 -10                                                            △1 [T2]            0.14 dB
                                                                              1.01202405 MHz

 -20                                                                                         IN1
                                                                                             1SA
 -30   1VIEW                                                                                 2SA
       2MAX
 -40

 -50

 -60

 -70

 -80

 -90
 -95
       Center 2.403 GHz              600 kHz/              Span 6 MHz
```

Date: 20.JUN.2007 18:38:53

Channel 39

20dB bandwidth

	Delta 2 [T1]		RBW	100 kHz	RF Att	30 dB
Ref Lvl		0.40 dB	VBW	300 kHz		
5 dBm		997.99599198 kHz	SWT	5 ms	Unit	dBm

▼2 [T1] −22.22 dBm
2.44052505 GHz

▲2 [T1] 0.40 dB
997.99599198 kHz

▽1 [T1] −2.35 dBm
2.44102004 GHz

A

D1 −22.3 dBm

1VIEW

IN1
1RM

Center 2.441 GHz   600 kHz/   Span 6 MHz
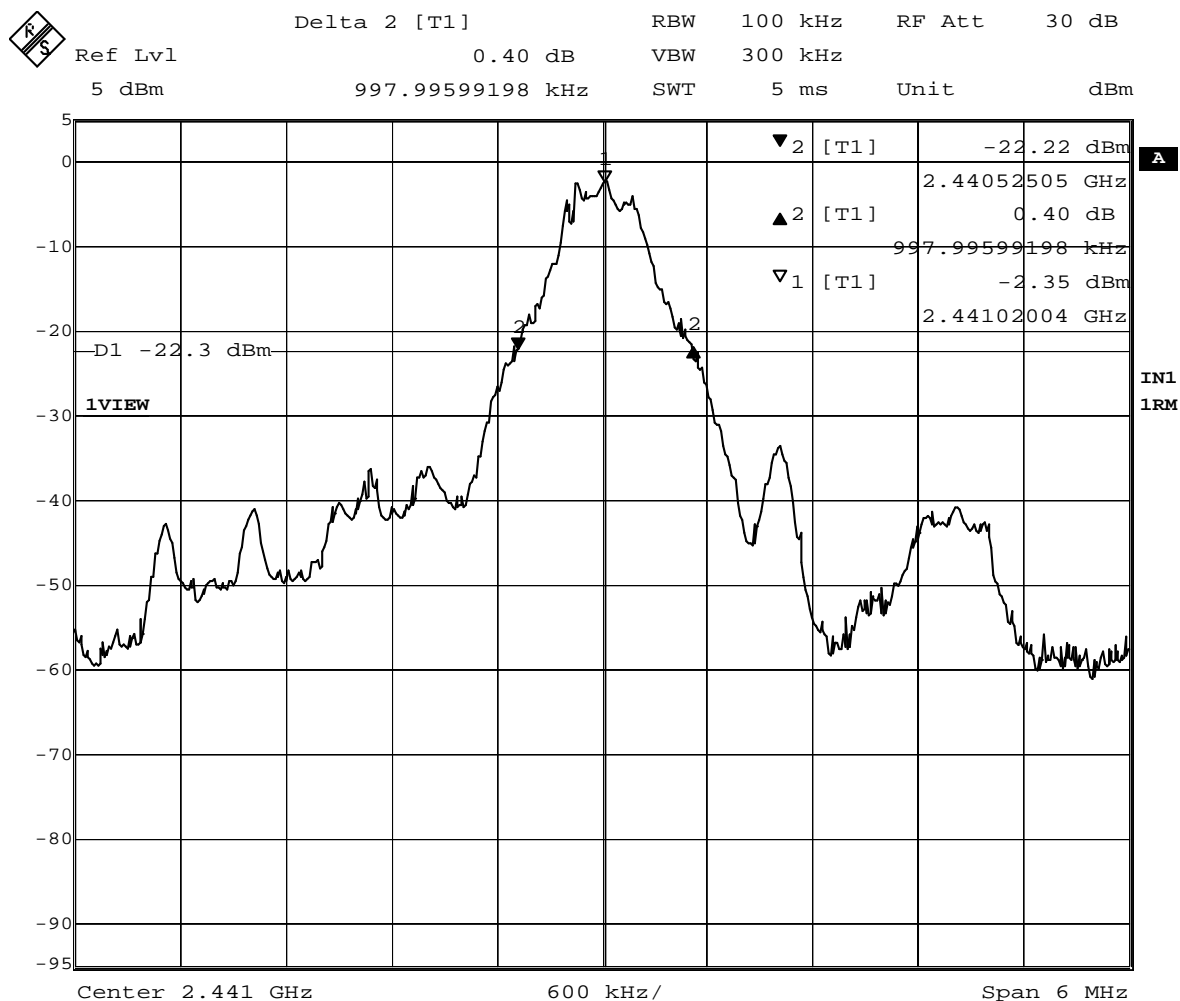
Date: 20.JUN.2007 19:03:19

Channel Separation with adjacent channel

	Delta 1 [T2]		RBW	100 kHz	RF Att	30 dB
Ref Lvl		-0.05 dB	VBW	300 kHz		
5 dBm		1.01002004 MHz	SWT	5 ms	Unit	dBm

▼1 [T1]   -2.34 dBm
2.44102004 GHz
▲1 [T2]   -0.05 dB
1.01002004 MHz

A

IN1
1RM
2RM

1VIEW
2MAX

Center 2.442 GHz   600 kHz/   Span 6 MHz
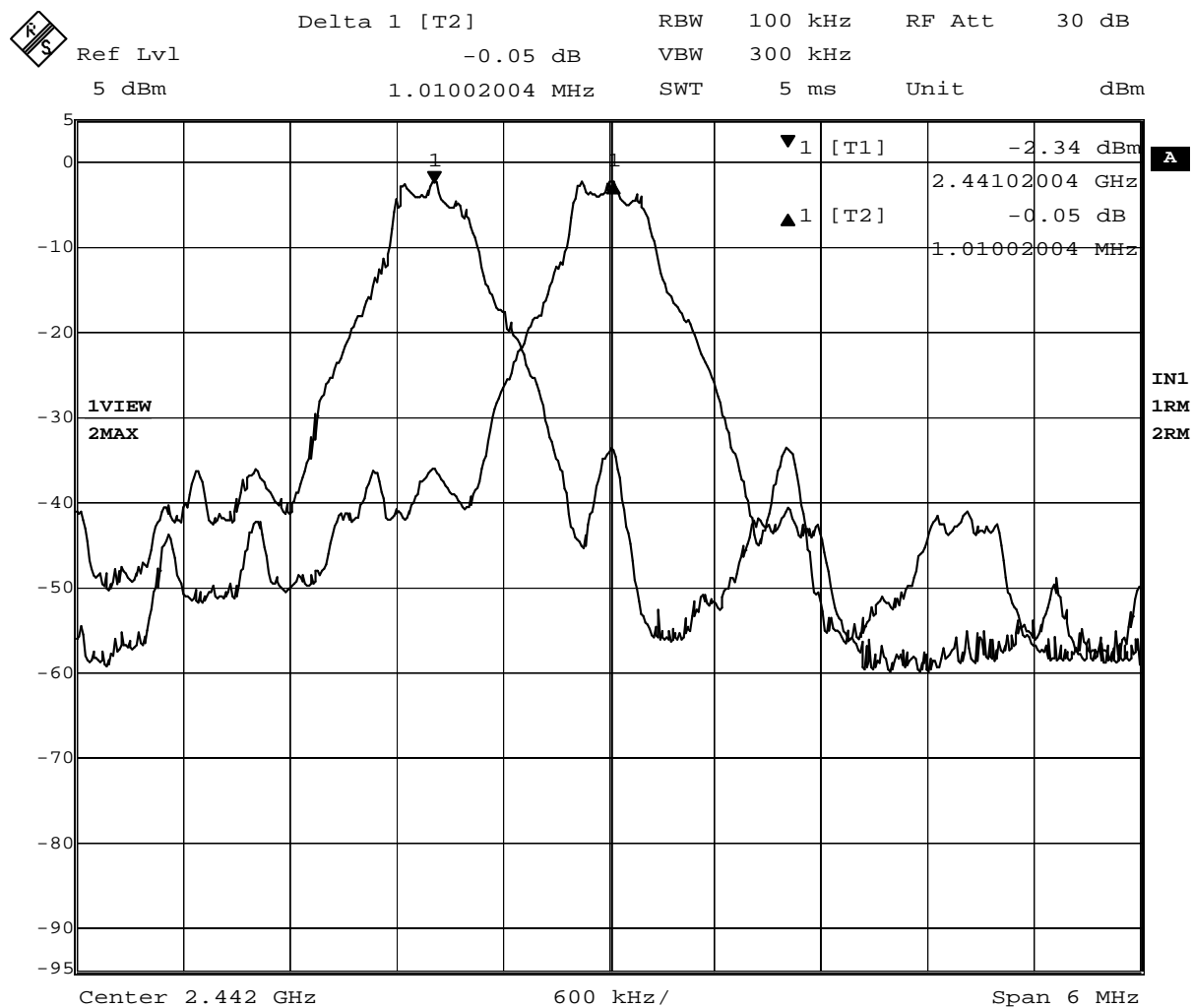
Date: 20.JUN.2007   19:01:30

Channel 78

20dB bandwidth

	Delta 2 [T1]			RBW	100 kHz	RF Att	30 dB	
Ref Lvl		0.53 dB		VBW	300 kHz			
5 dBm		997.99599198 kHz		SWT	5 ms	Unit	dBm	

▼2 [T1]   −22.11 dBm
          2.47951303 GHz
▲2 [T1]   0.53 dB
          997.99599198 kHz
▽1 [T1]   −2.76 dBm
          2.48001804 GHz

A

IN1
1RM

D1 −22.8 dBm

1VIEW

Center 2.48 GHz   600 kHz/   Span 6 MHz
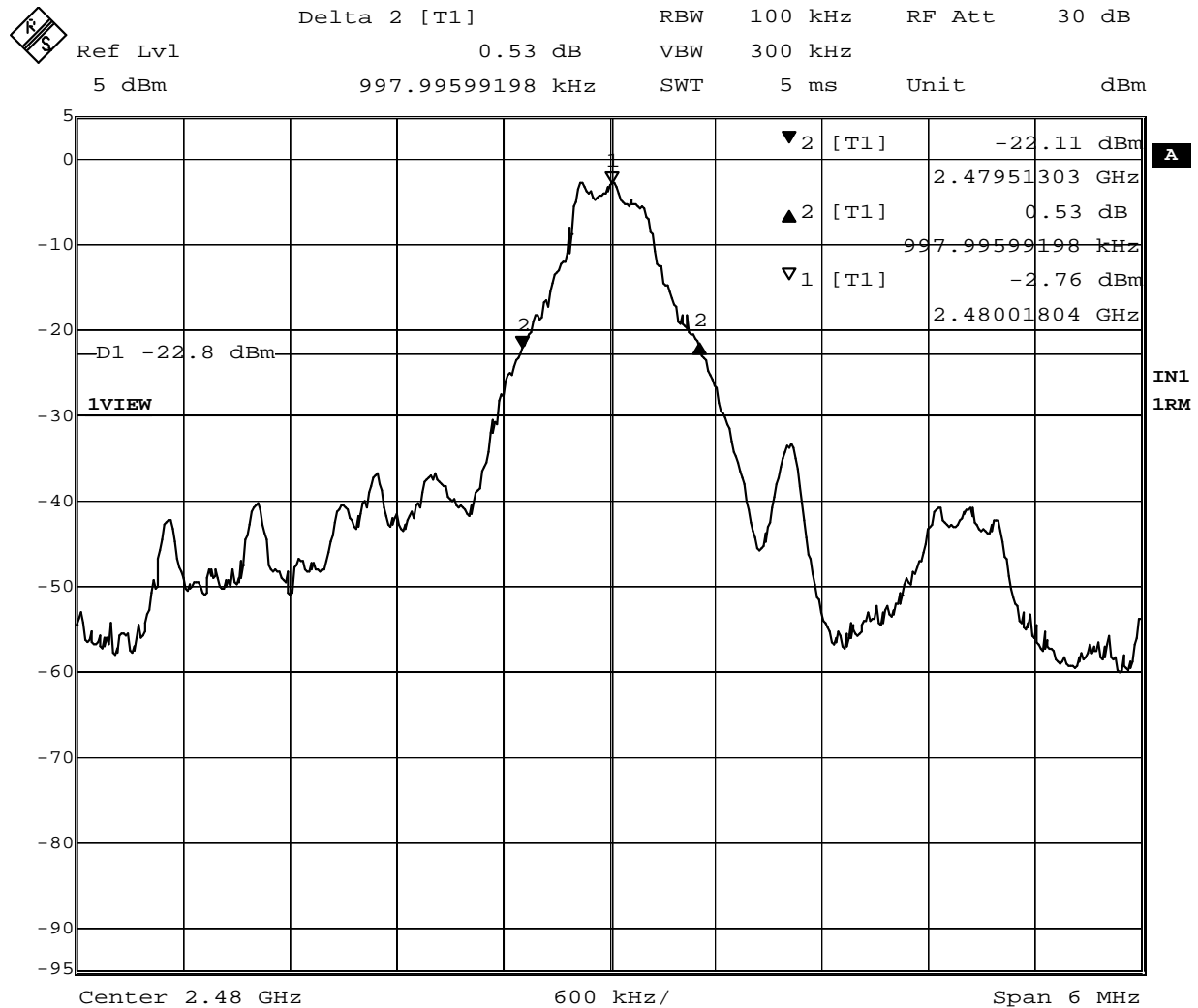
Date: 20.JUN.2007   21:56:28

Channel Separation with adjacent channel

Delta 1 [T2]		RBW	100 kHz	RF Att	30 dB
Ref Lvl		VBW	300 kHz		
5 dBm	−1.01002004 MHz	SWT	5 ms	Unit	dBm

▼1 [T1]   −2.76 dBm
2.48001804 GHz
▲1 [T2]   0.19 dB
−1.01002004 MHz

A

1VIEW
2VIEW

IN1
1RM
2MA

Center 2.48 GHz   600 kHz/   Span 6 MHz
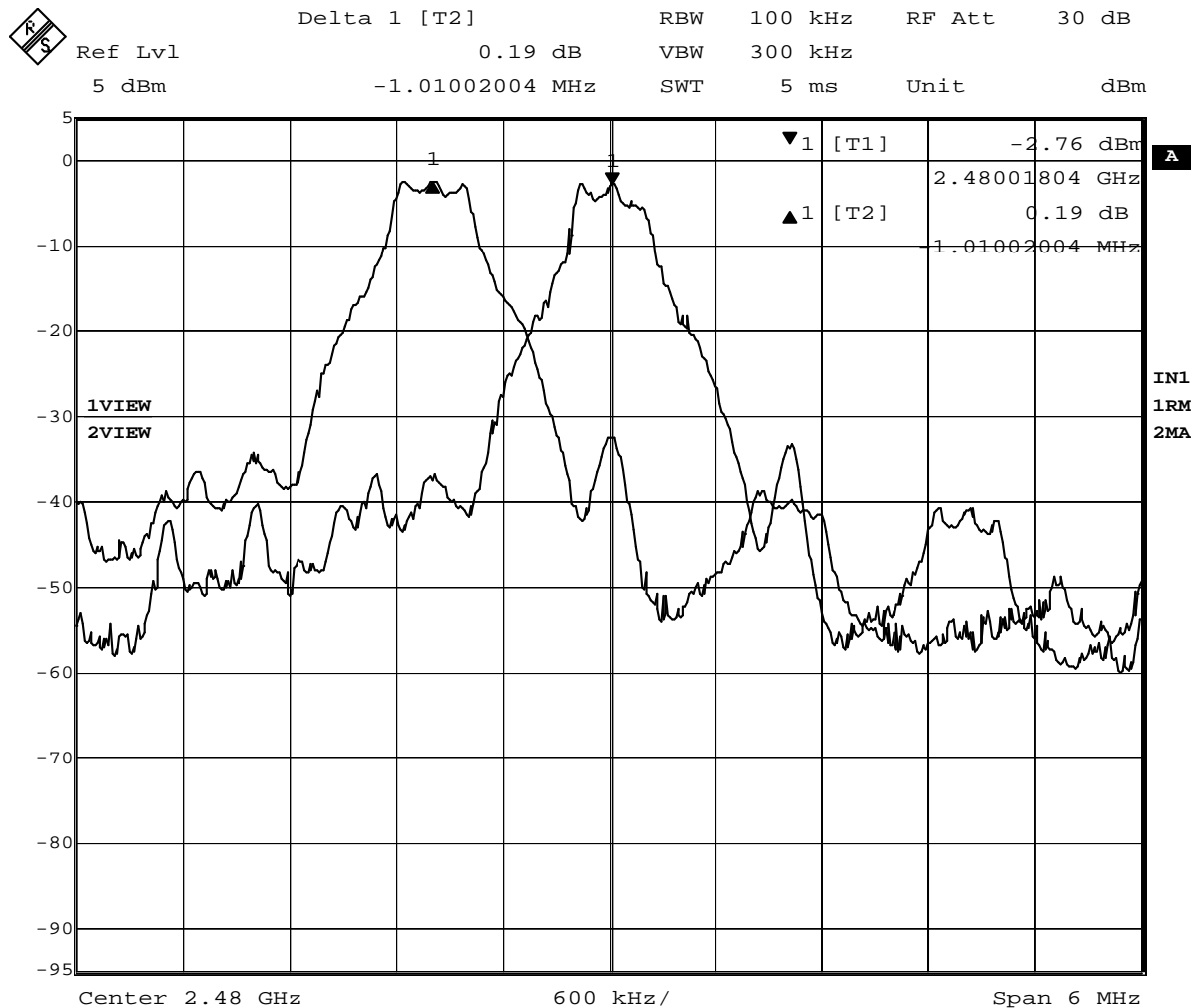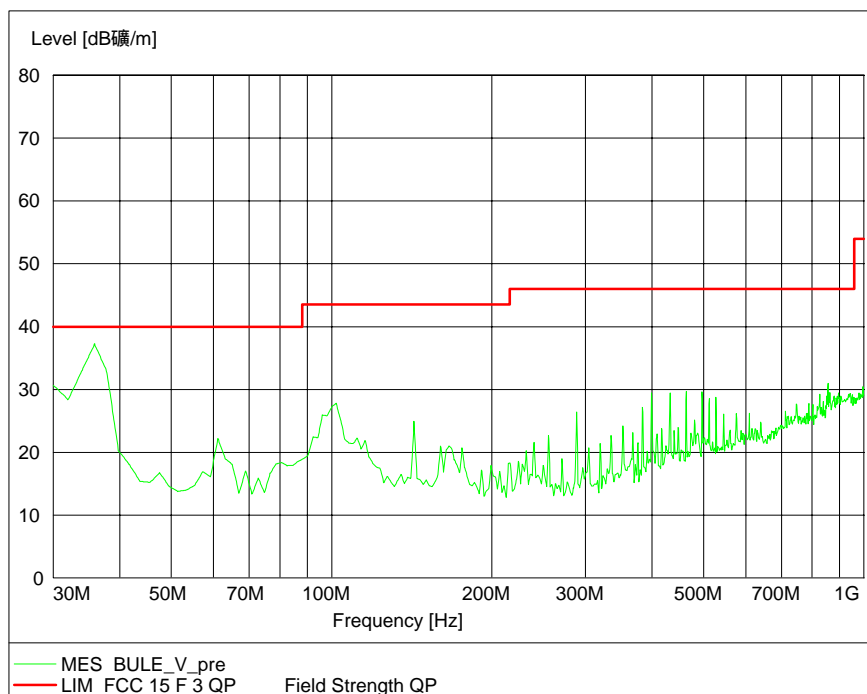
Date: 20.JUN.2007   21:58:16

2. Spurious Emission

Horizontal
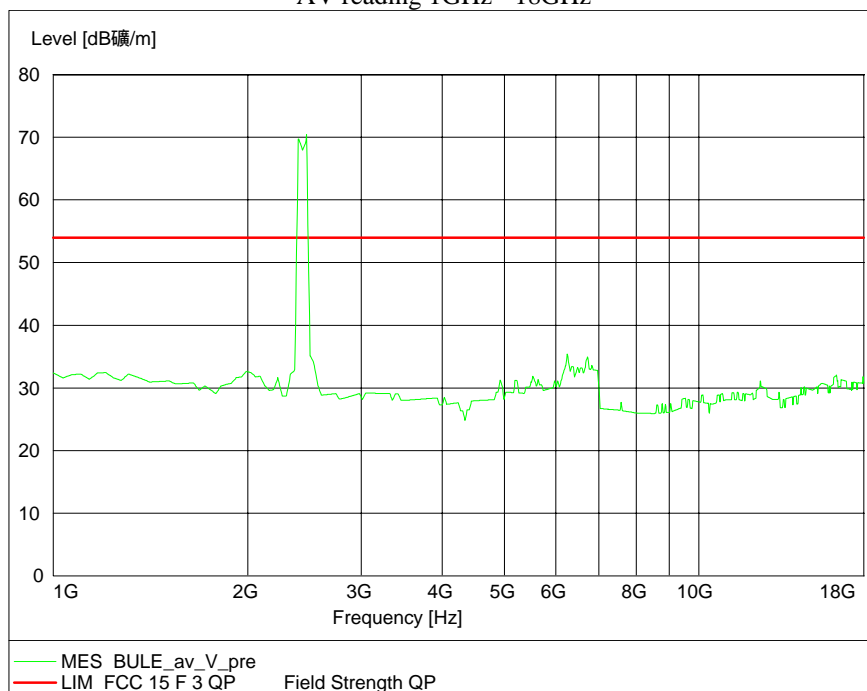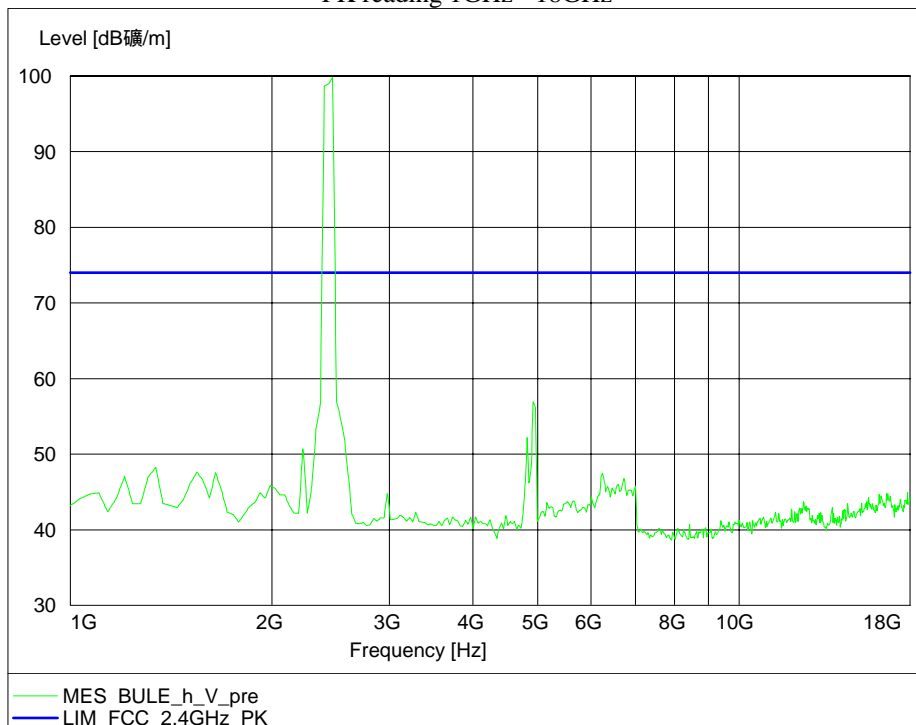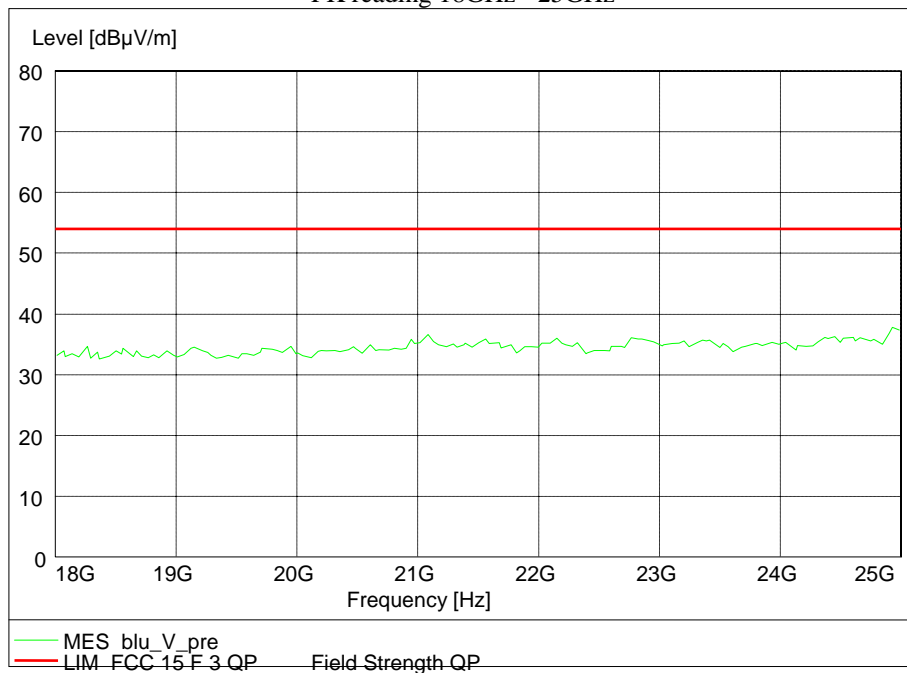
QP reading 30MHz - 1000MHz

AV reading 1GHz - 18GHz

PK reading 1GHz - 18GHz

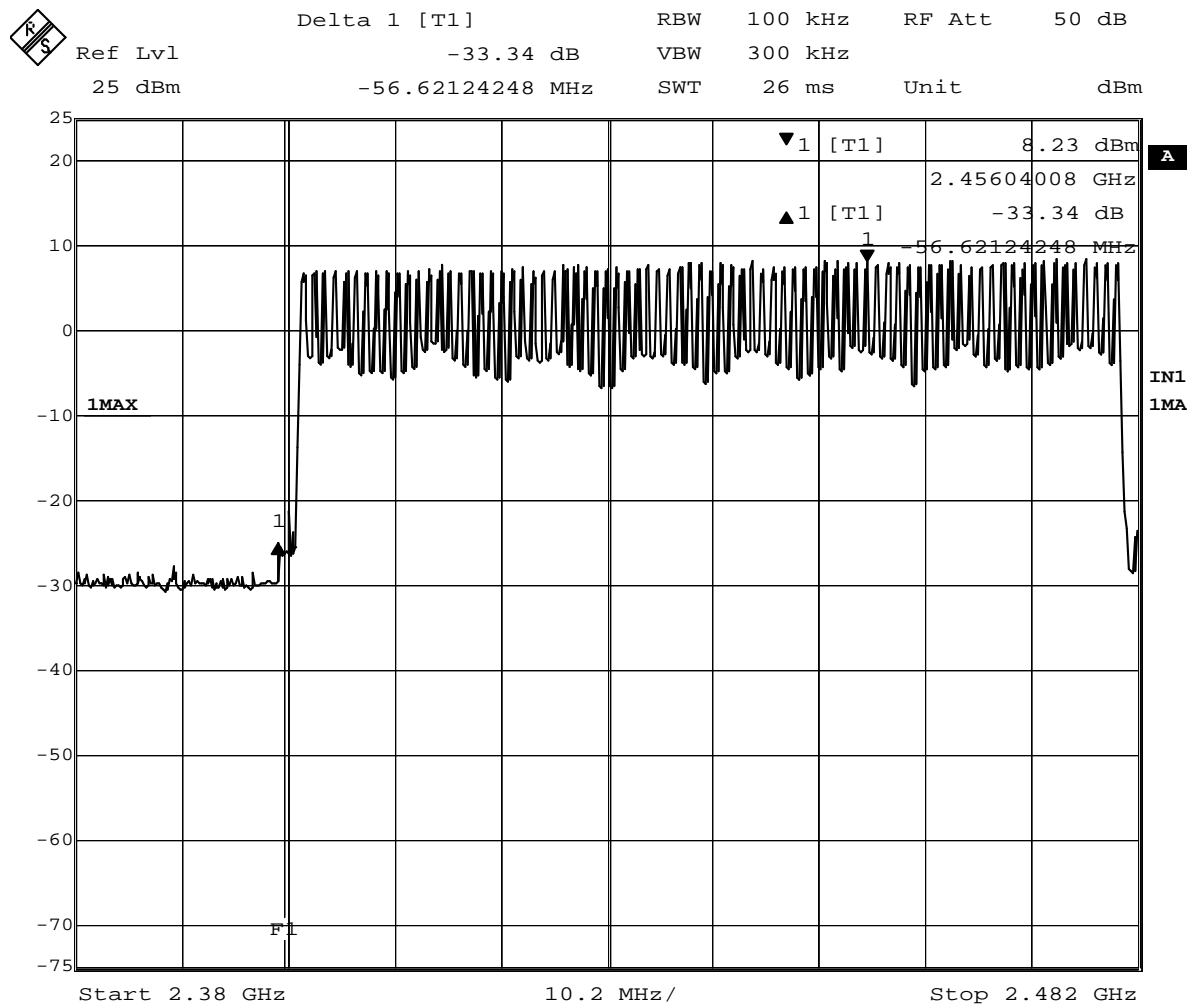Level [dB /m]

MES BULE_h_H_pre
LIM FCC_2.4GHz_PK

PK reading 18GHz - 25GHz

Level [dBµV/m]

MES blu_H_pre
LIM FCC 15 F 3 QP   Field Strength QP
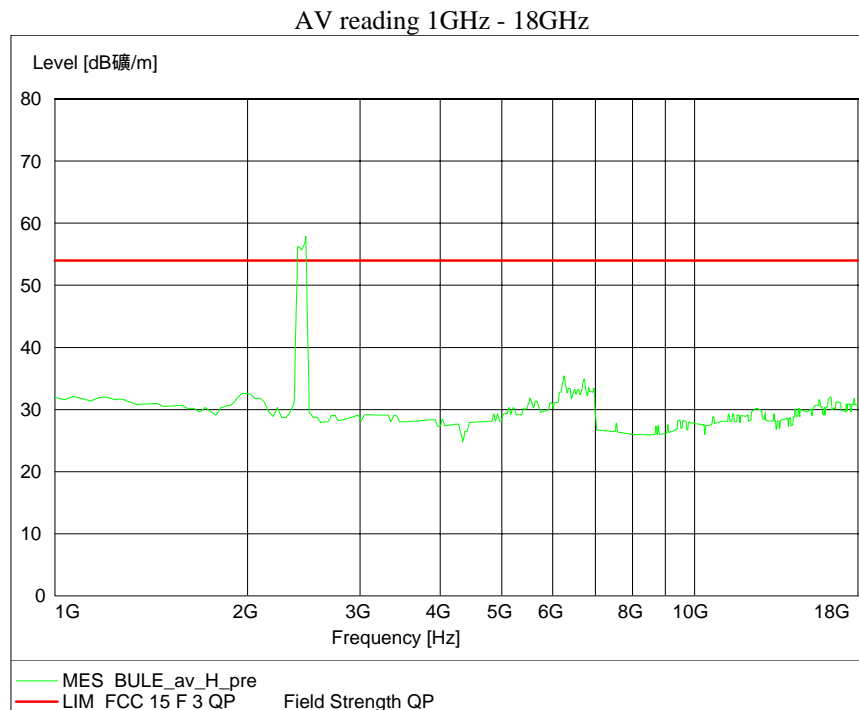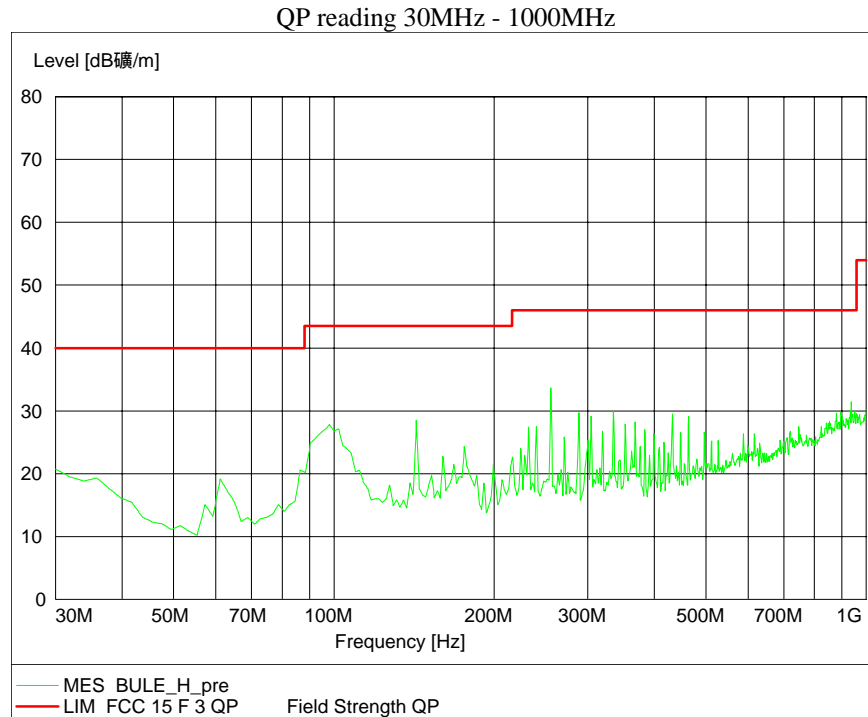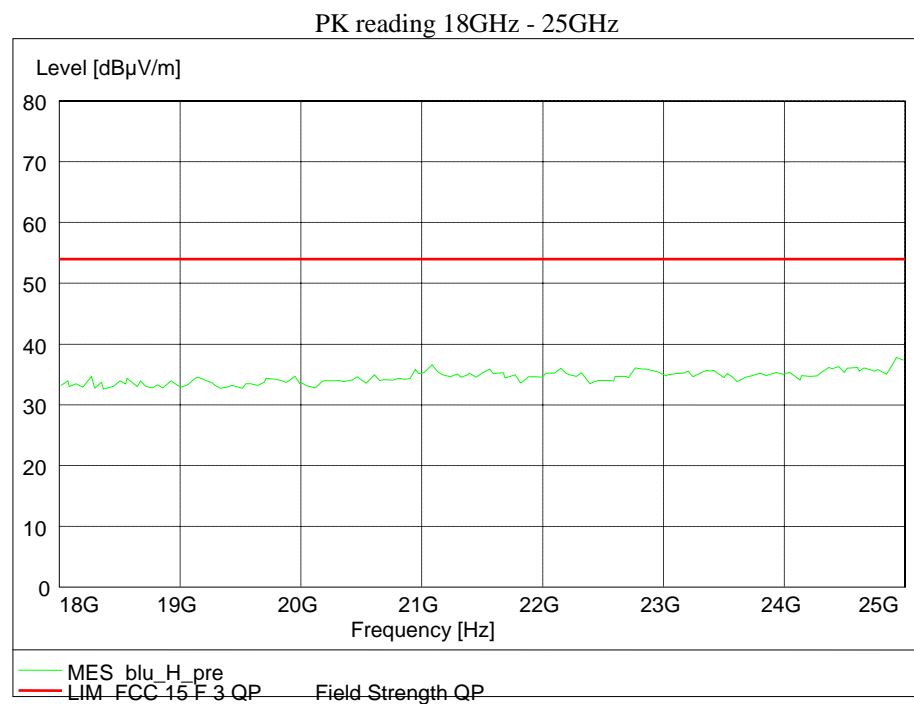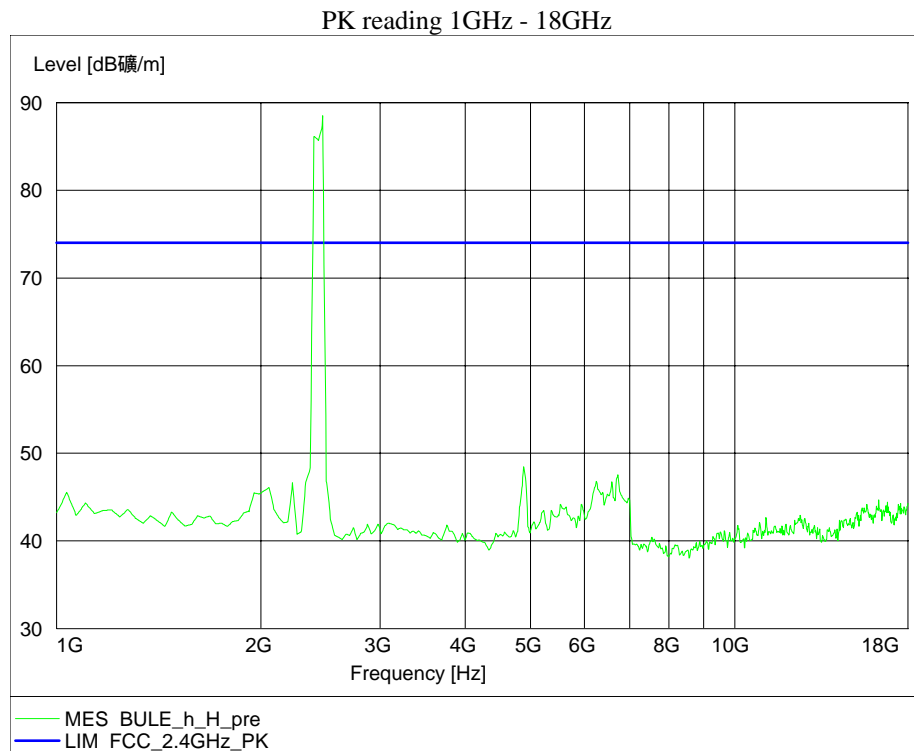
Vertical

QP reading 30MHz - 1000MHz

AV reading 1GHz - 18GHz

Intertek ETL SEMKO

PK reading 1GHz - 18GHz

Level [dB /m]

Frequency [Hz]

MES BULE_h_V_pre
LIM FCC_2.4GHz_PK

PK reading 18GHz - 25GHz

Level [dBµV/m]

Frequency [Hz]

MES blu_V_pre
LIM FCC 15 F 3 QP   Field Strength QP

3. Emission outside the frequency band

Highest emission lower than 2.4GHz

Date: 23.APR.2007   14:31:32

Intertek **ETL SEMKO**

Highest emission higher than 2.4835GHz

	Delta 1 [T1]		RBW	100 kHz	RF Att	50 dB
Ref Lvl		−39.63 dB	VBW	300 kHz		
20 dBm		31.01603206 MHz	SWT	52 ms	Unit	dBm

▼1 [T1]   8.21 dBm
2.46103206 GHz

▲1 [T1]   −39.63 dB
31.01603206 MHz

A

IN1
1MA

1MAX

F1

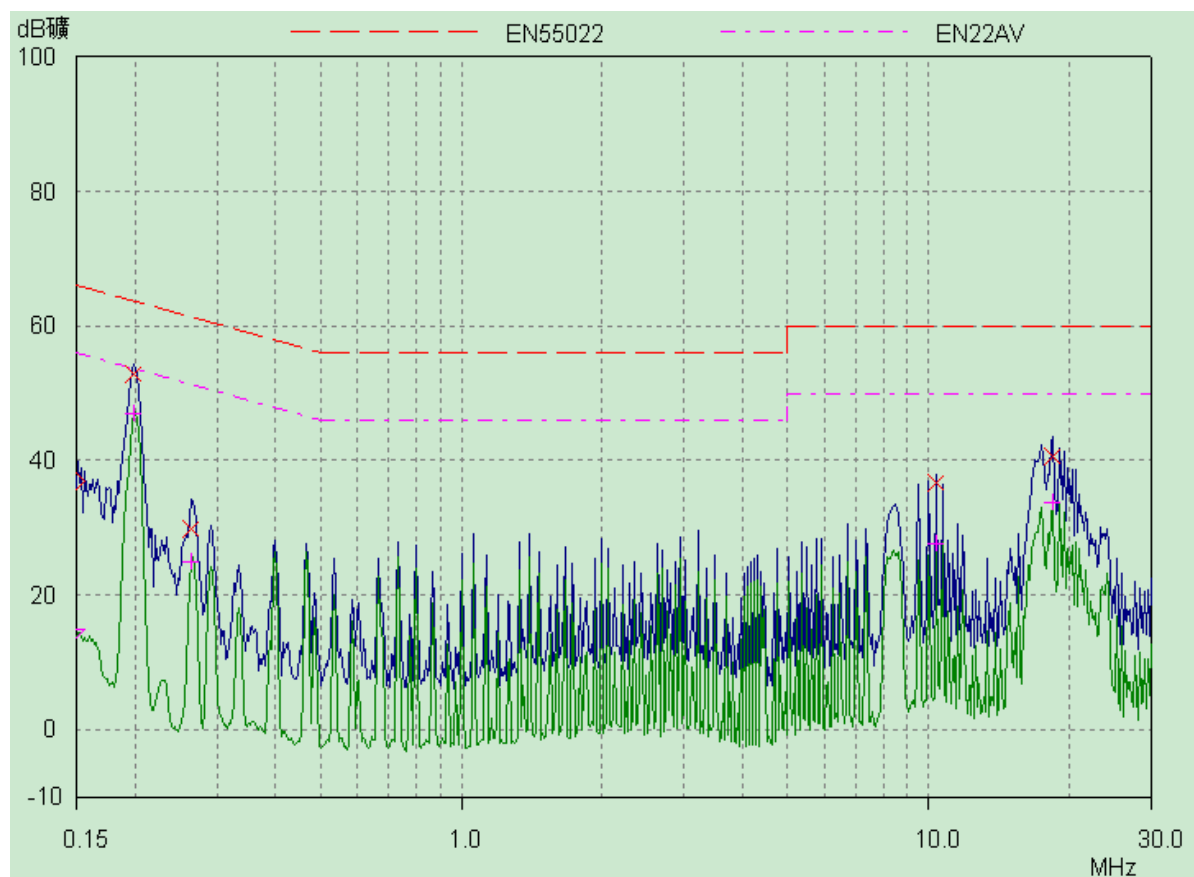Start 2.399 GHz   20.1 MHz/   Stop 2.6 GHz
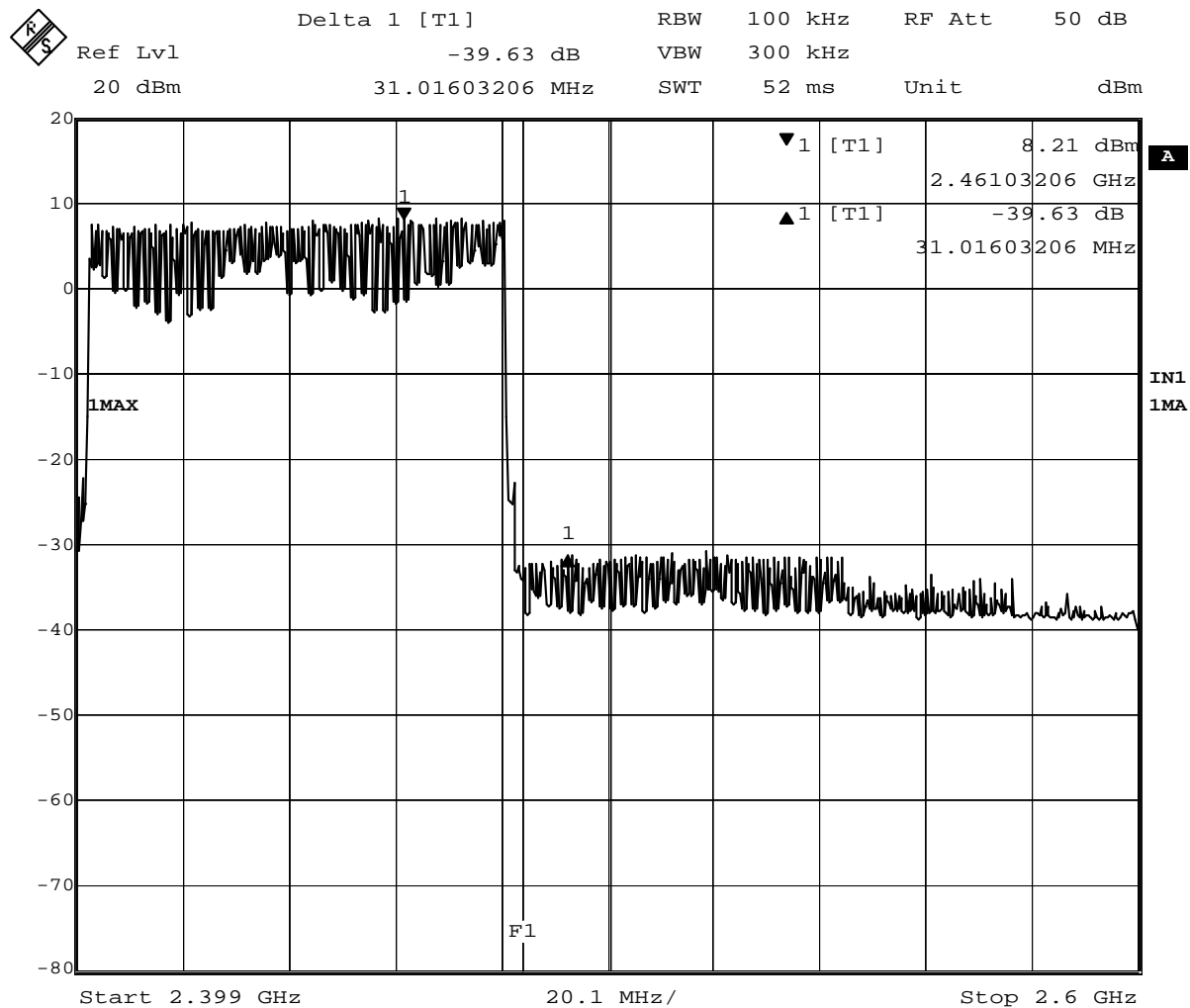
Date: 23.APR.2007 14:34:22

4. Conducted Emission

Power line: L
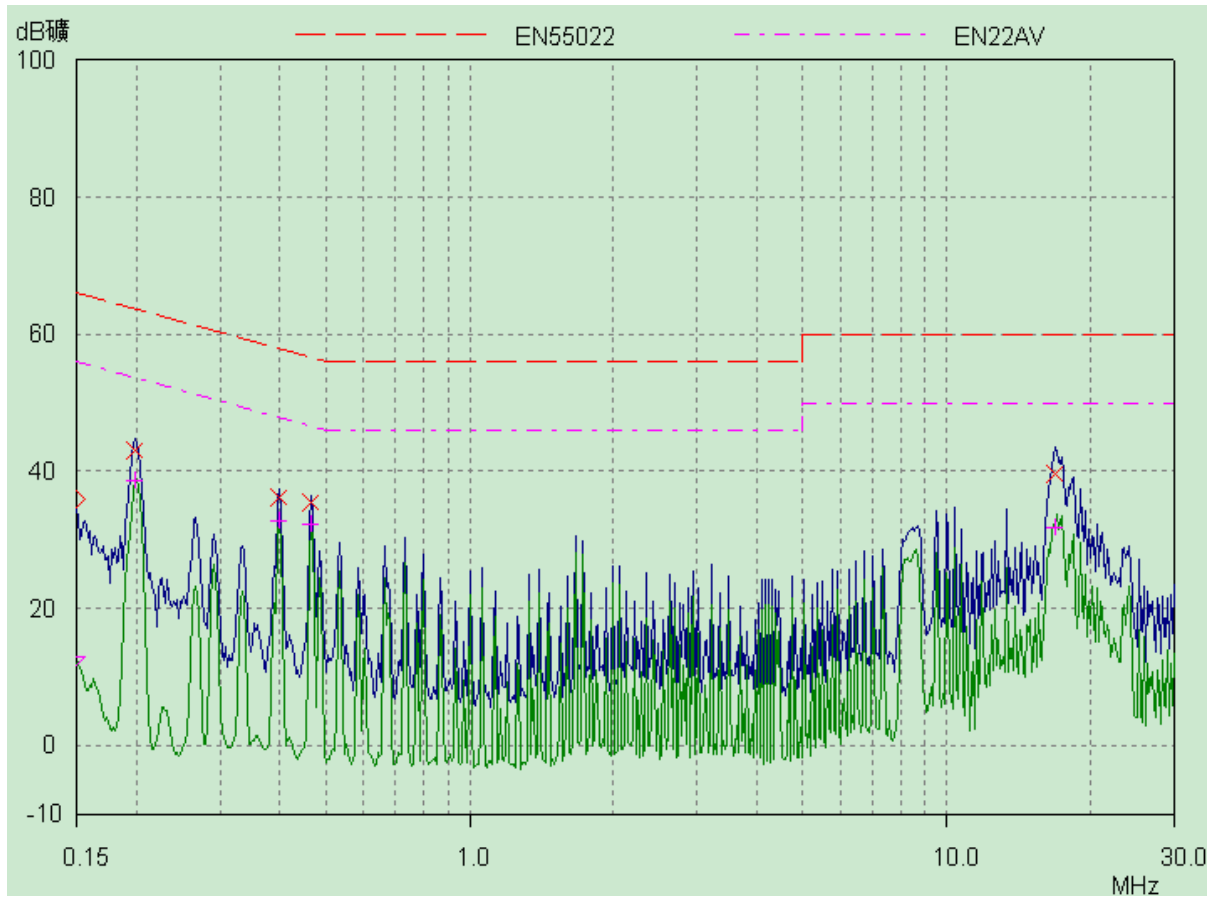
Power line: N

5. Channel Number of hopping system

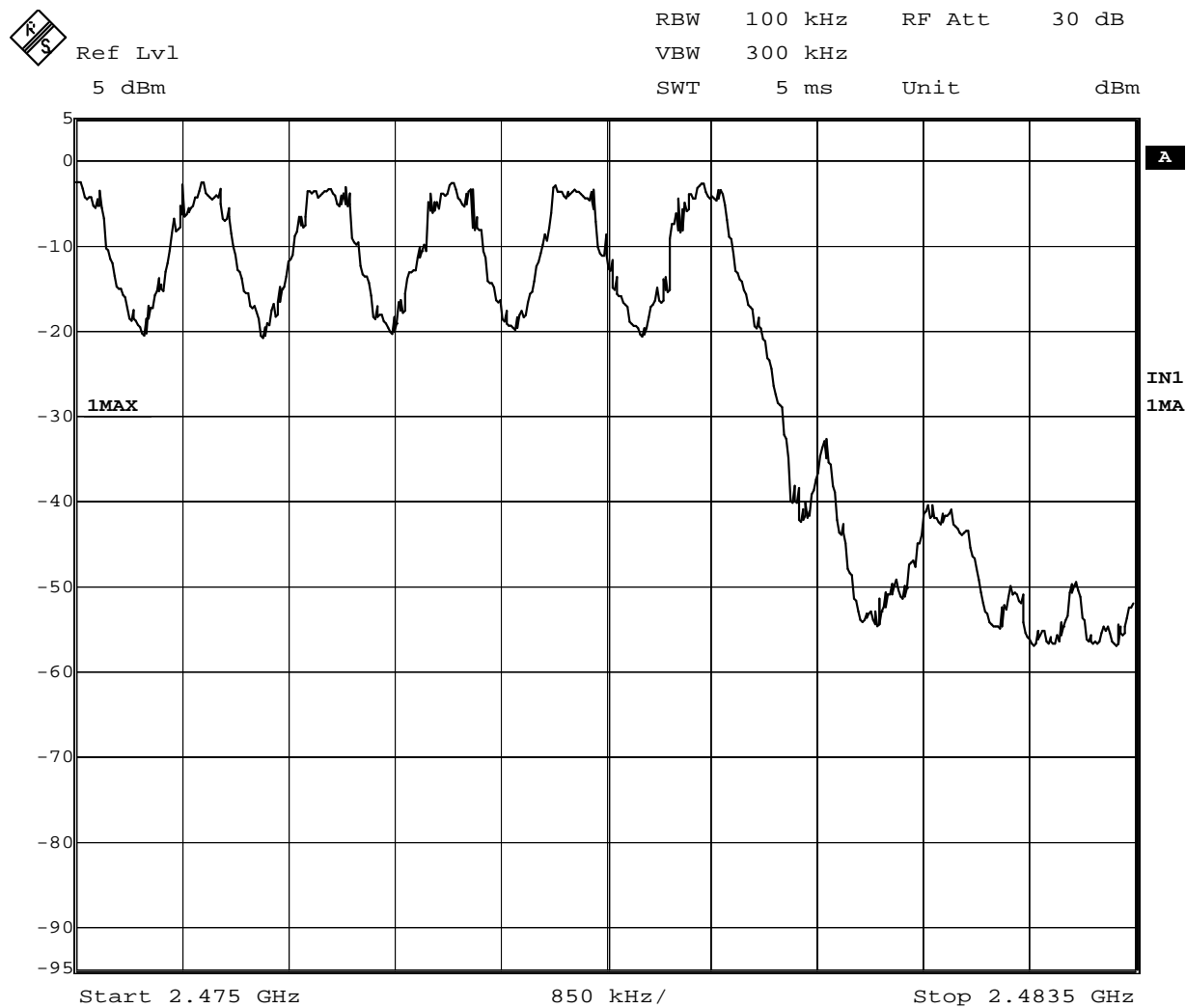|			
RBW	100 kHz	RF Att	30 dB
VBW	300 kHz		
SWT	9 ms	Unit	dBm

Ref Lvl
5 dBm

Start 2.4 GHz   3.5 MHz/   Stop 2.435 GHz

Date: 20.JUN.2007 19:11:23

Intertek **ETL SEMKO**

	Ref Lvl	RBW	100 kHz	RF Att	30 dB
		VBW	300 kHz		
	5 dBm	SWT	10 ms	Unit	dBm

A

IN1
1AP

MAX

Start 2.435 GHz   4 MHz/   Stop 2.475 GHz

Date: 20.JUN.2007 19:17:06

Ref Lvl

5 dBm

RBW	100 kHz	RF Att	30 dB
VBW	300 kHz		
SWT	5 ms	Unit	dBm

A

IN1
1MA

1MAX

Start 2.475 GHz   850 kHz/   Stop 2.4835 GHz
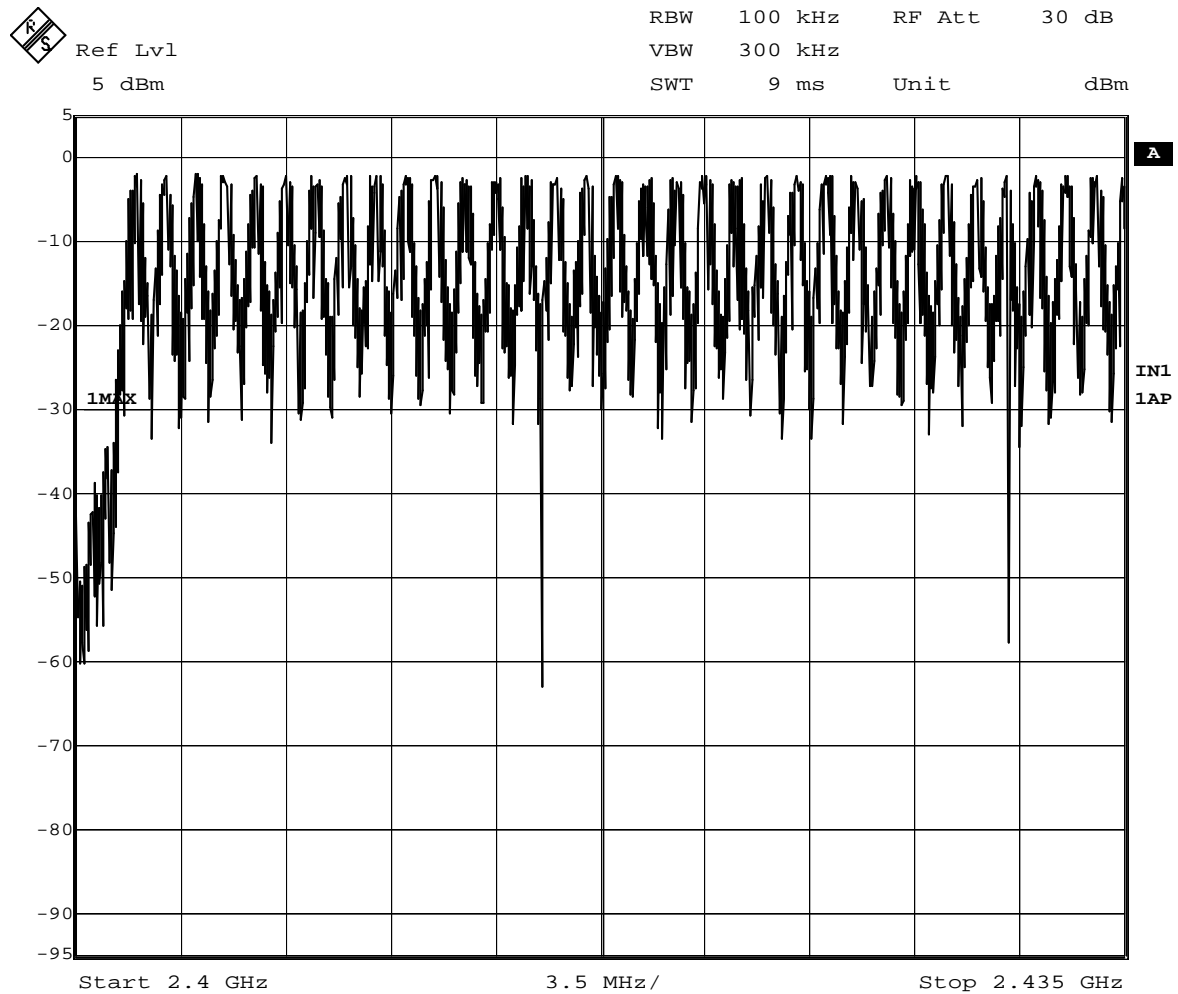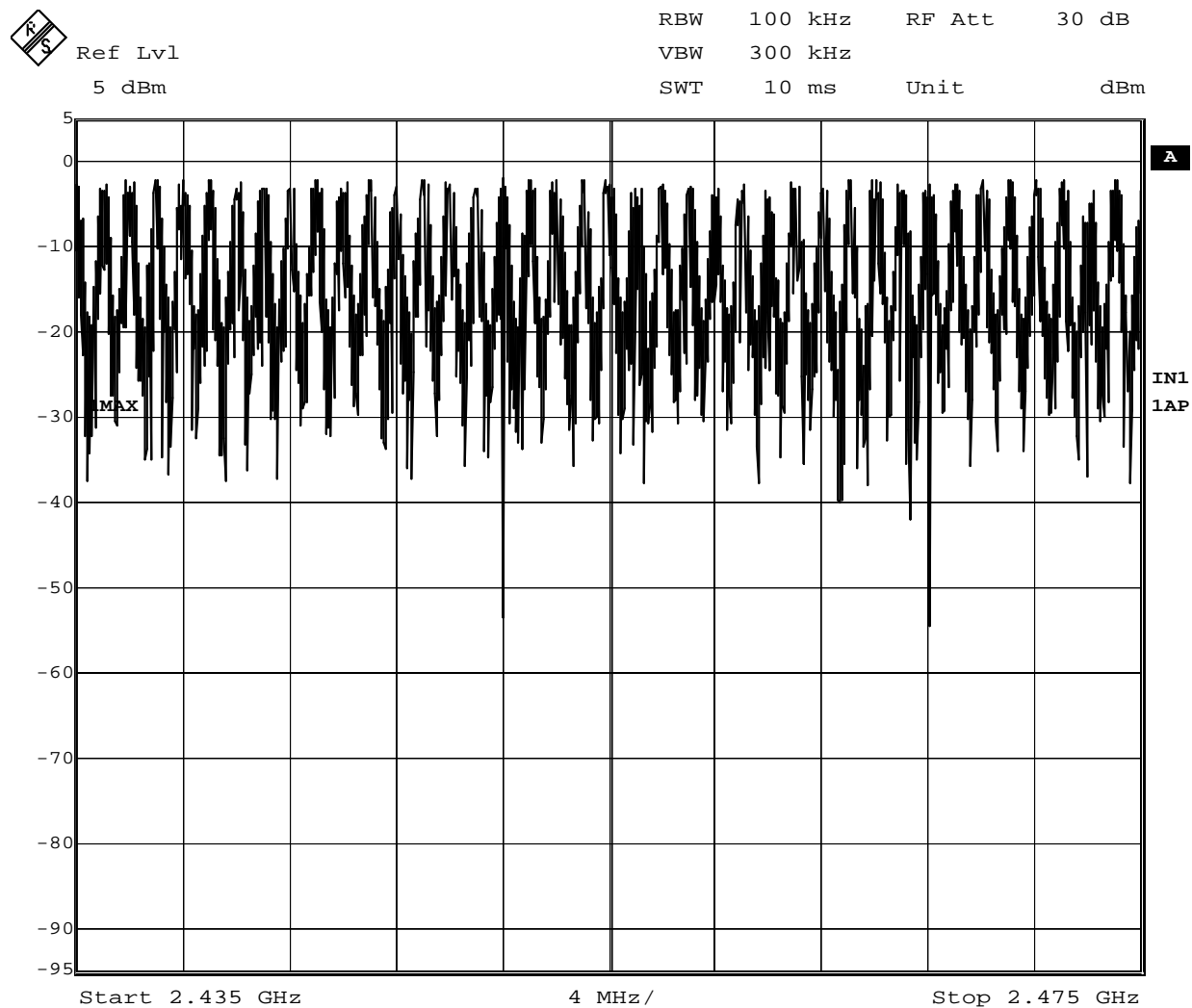
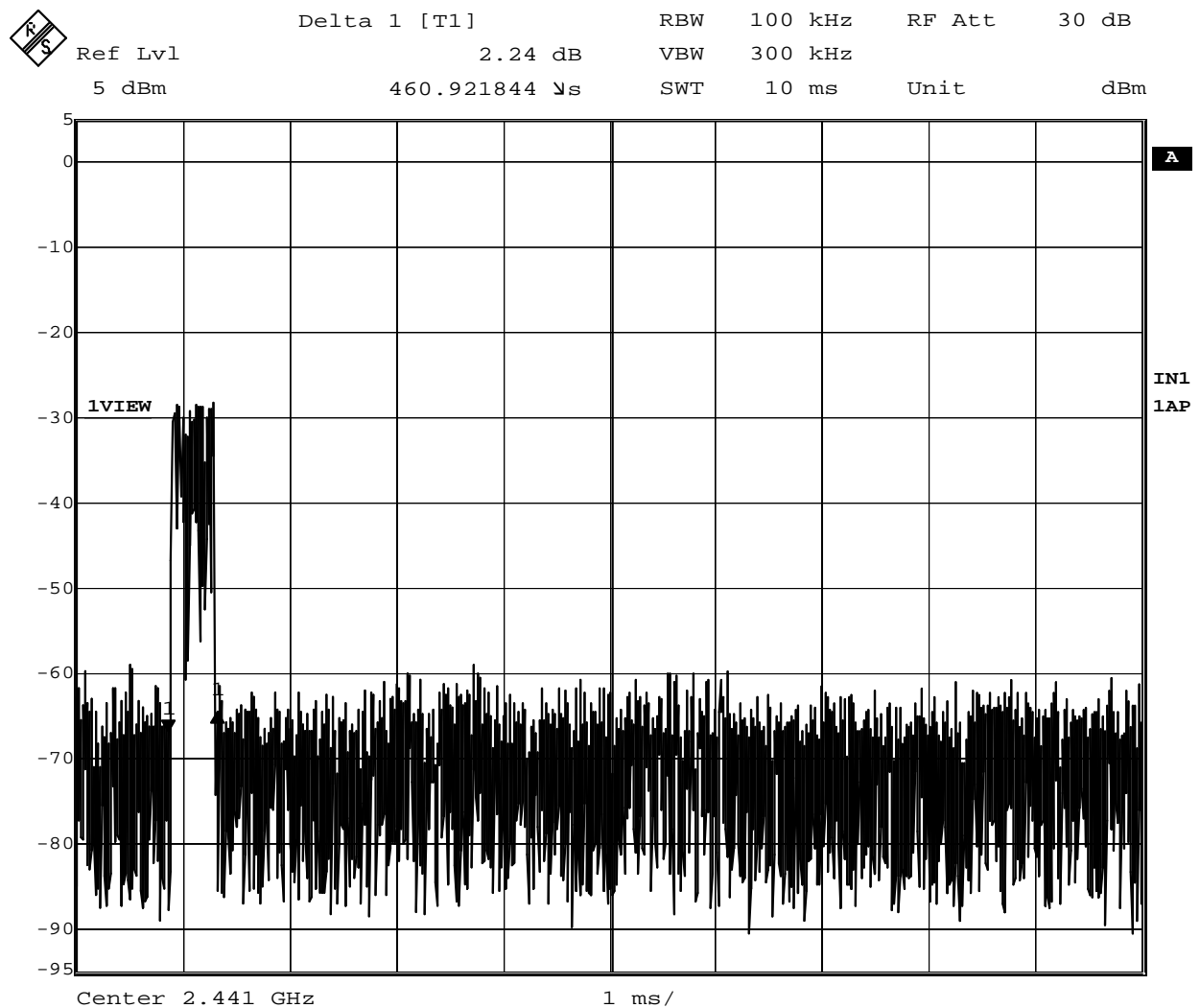Date: 20.JUN.2007 22:03:49

6. Average time of occupancy in any channel

Packet Type 4, Packet Size 27

Time of occupancy for single hopping

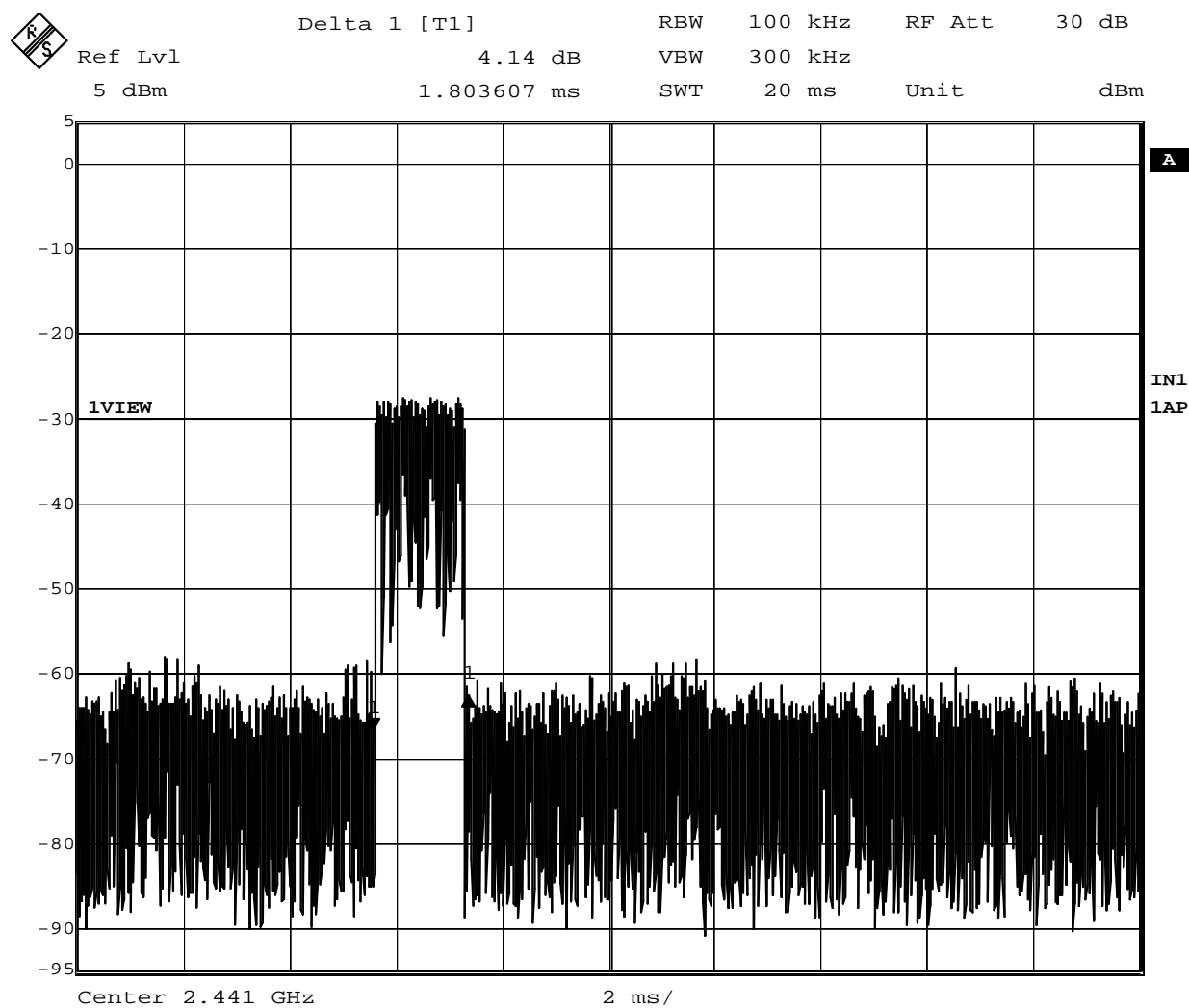|	Delta 1 [T1]		RBW	100 kHz	RF Att	30 dB
Ref Lvl		2.24 dB	VBW	300 kHz		
5 dBm		460.921844 ↘s	SWT	10 ms	Unit	dBm

Center 2.441 GHz   1 ms/

Date: 15.JUN.2007 21:39:25

Interval between two hopping

	Delta 1 [T1]		RBW	100 kHz	RF Att	30 dB
Ref Lvl		0.11 dB	VBW	300 kHz		
5 dBm		100.200401 ms	SWT	1 s	Unit	dBm

Center 2.441 GHz   100 ms/
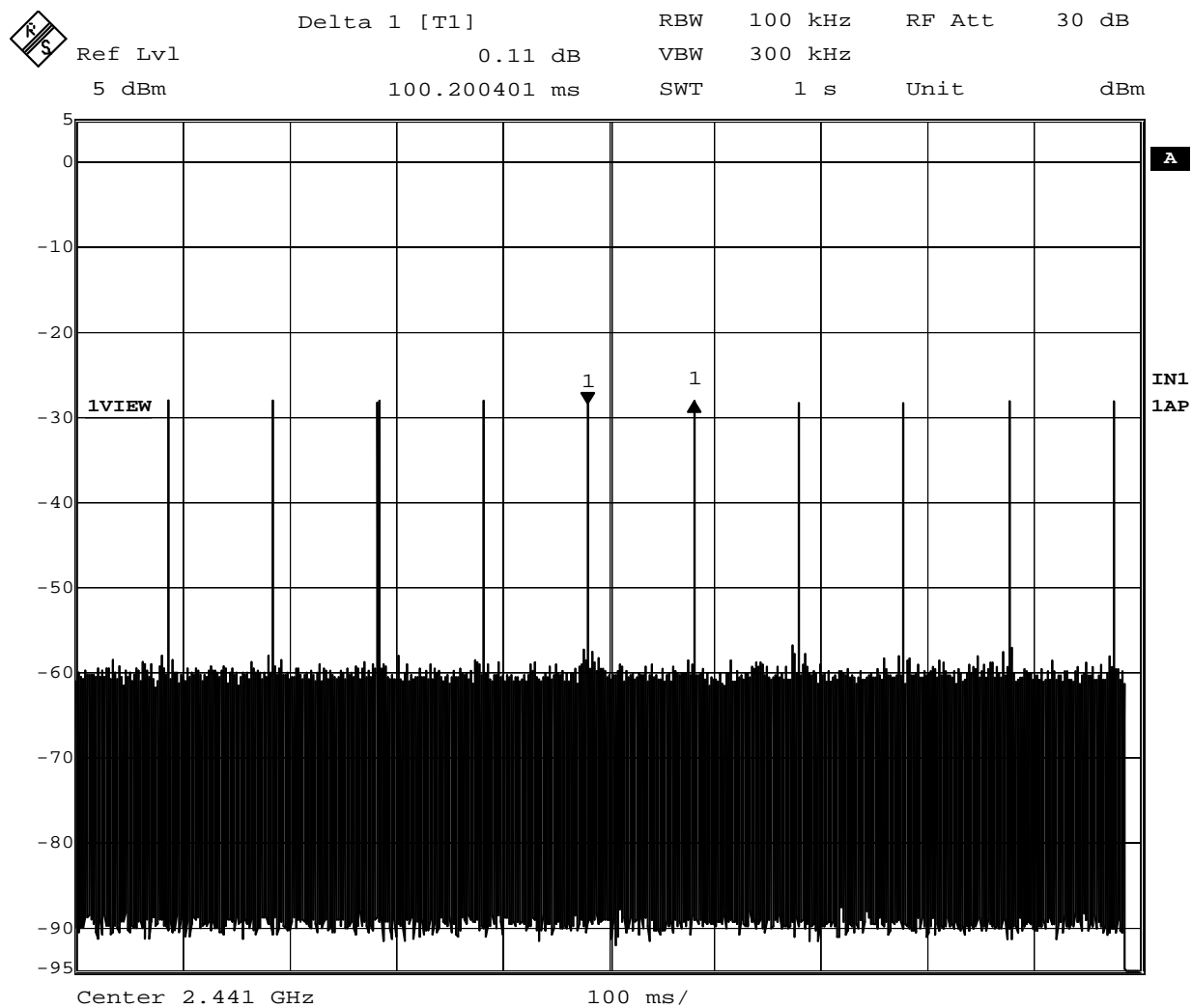
Date: 15.JUN.2007   21:34:50

Packet Type 11 Packet Size 183

Time of occupancy for single hopping

	Delta 1 [T1]	RBW	100 kHz	RF Att	30 dB
Ref Lvl	4.14 dB	VBW	300 kHz		
5 dBm	1.803607 ms	SWT	20 ms	Unit	dBm

Center 2.441 GHz   2 ms/

Date: 15.JUN.2007 21:32:51

Interval between two hopping
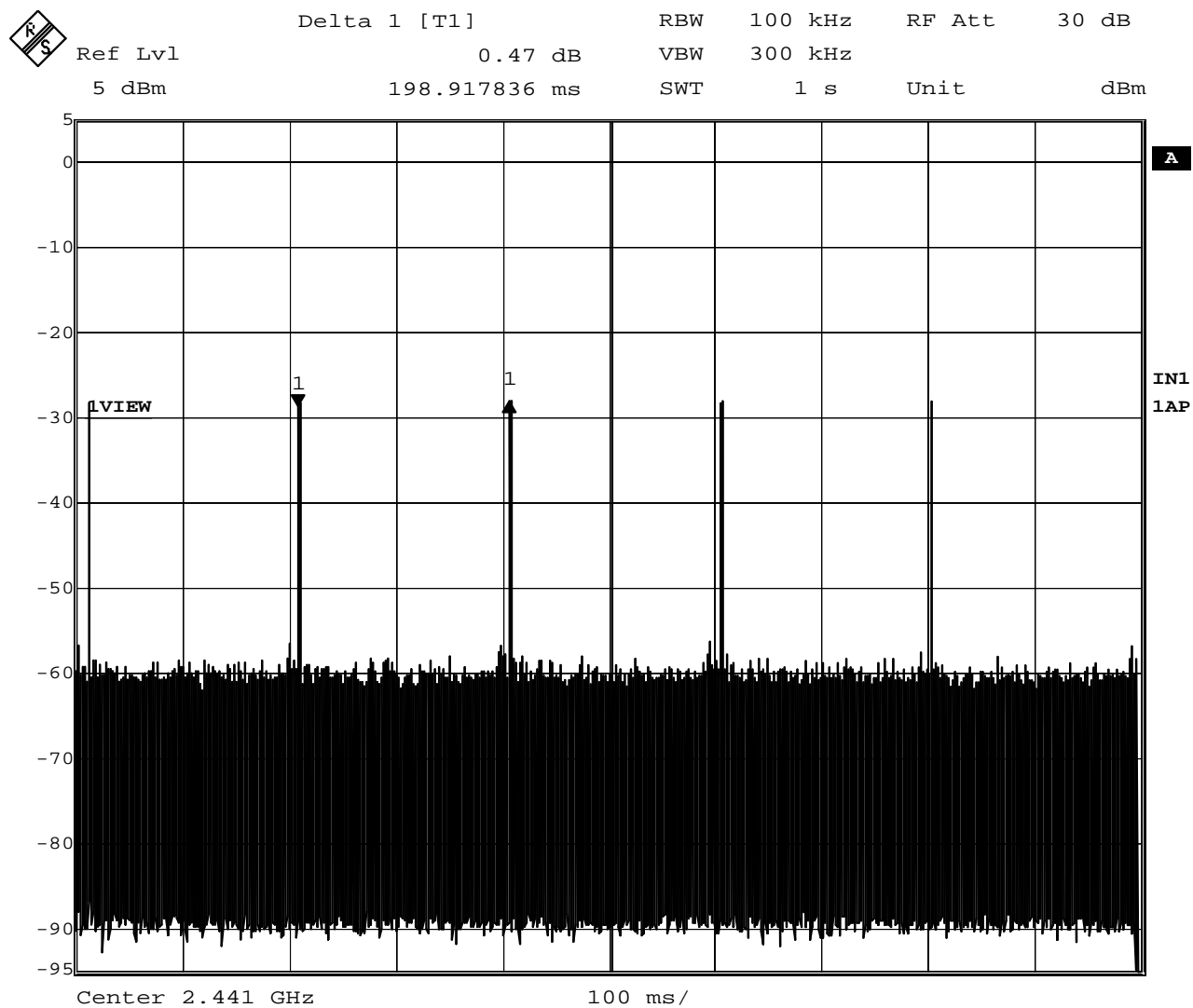
Packet Type 15, Packet Size 339

Time of occupancy for single hopping

		RBW	100 kHz	RF Att	30 dB
Ref Lvl	Delta 1 [T1]	VBW	300 kHz		
	2.20 dB				
5 dBm	3.046092 ms	SWT	20 ms	Unit	dBm

Center 2.441 GHz   2 ms/
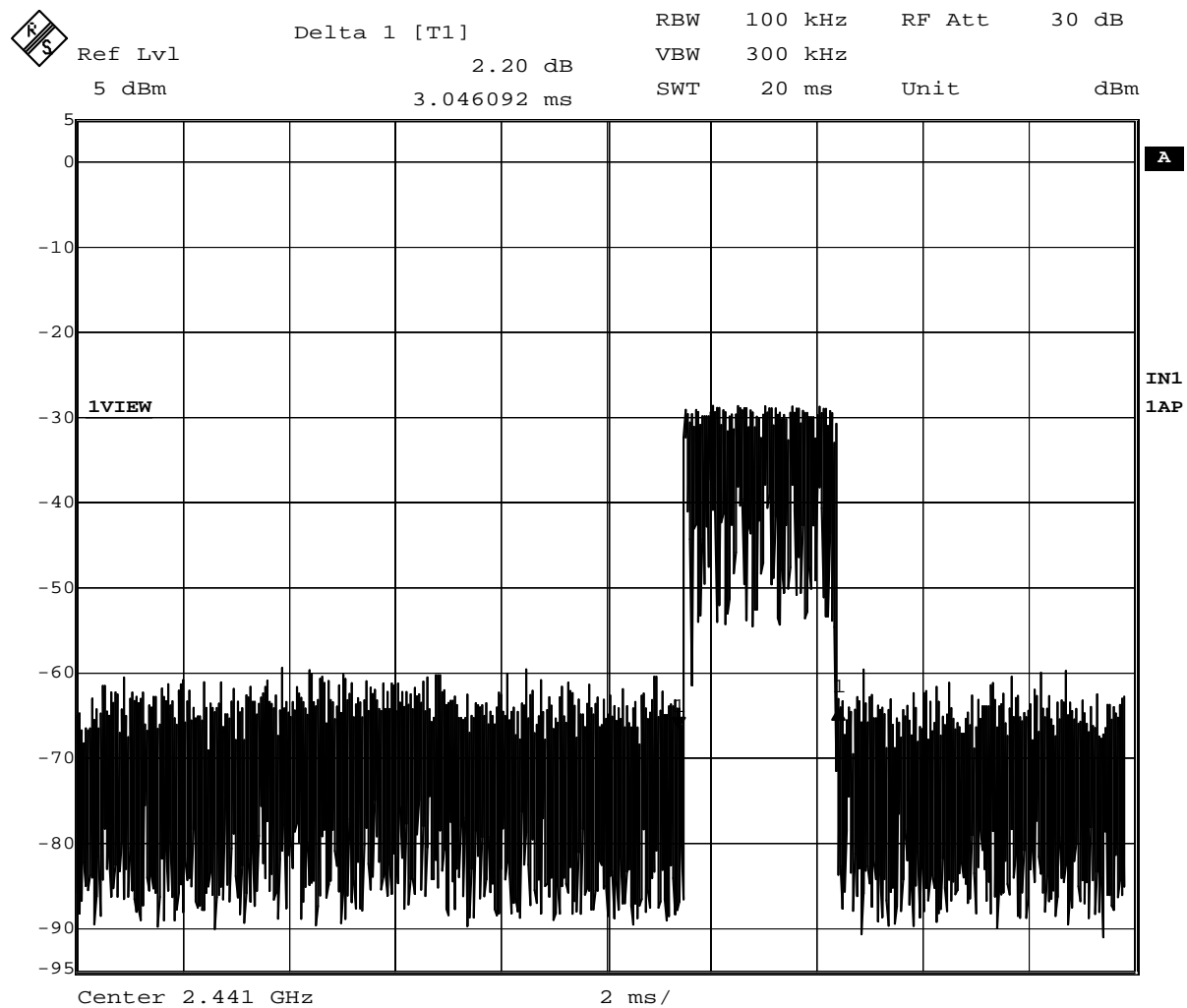
Date: 15.JUN.2007   21:29:01

Interval between two hopping

	Delta 1 [T1]		RBW	100 kHz	RF Att	30 dB
Ref Lvl		0.06 dB	VBW	300 kHz		
5 dBm		294.589178 ms	SWT	1 s	Unit	dBm

Center 2.441 GHz   100 ms/

Date: 15.JUN.2007 21:26:02