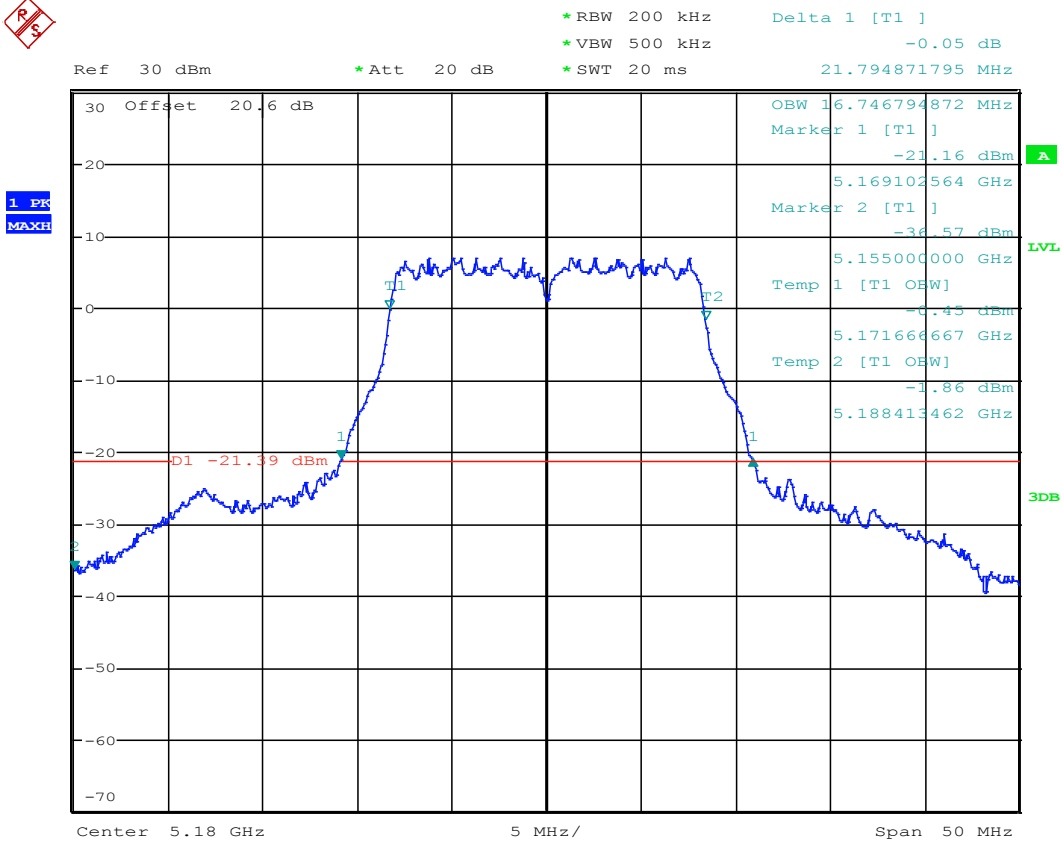


**Annex A to EMC\_Intel-039-14001\_UNII**

Annex A to EMC_Intel-039-14001_UNII0.1. 26 dB Emission bandwidth and occupied bandwidth	2	1
0.1. 26 dB Emission bandwidth and occupied bandwidth		3
0.1.1. UNII-1 Band		3
0.1.2. UNII-2A Band		13
0.1.3. UNII-2C Band		23
0.1.4. UNII-3 Band		35
0.2. Conducted Power		37
0.2.1. UNII-1 Band		37
0.2.2. UNII-2A Band		47
0.2.3. UNII-2C Band		57
0.2.4. UNII-3 Band		67
0.3. Power spectral density		69
0.3.1. UNII-1 Band		69
0.3.2. UNII-2A Band		78
0.3.3. UNII-2C Band		87
0.3.4. UNII-3 Band		98
0.4. Peak Excursion		99
0.4.1. UNII-1 Band		99
0.4.2. UNII-2A Band		109
0.4.3. UNII-2C Band		119
0.4.4. UNII-3 Band		129
Spurious Emissions		131
UNII-1 Band		131
UNII-2 Band		143
UNII-2e Band		151
UNII-3 Band		167
Band Edge		171
UNII-1 Band / UNII-2 Band		171
UNII-2e Band		183
UNII-3 Band		195
Emissions into the AC power line		203
DFS		206

# 0.1. 26 dB Emission bandwidth and occupied bandwidth

## 0.1.1. UNII-1 Band



Date: 4.MAR.2014 20:59:59

Diagram Ch36, a-Mode

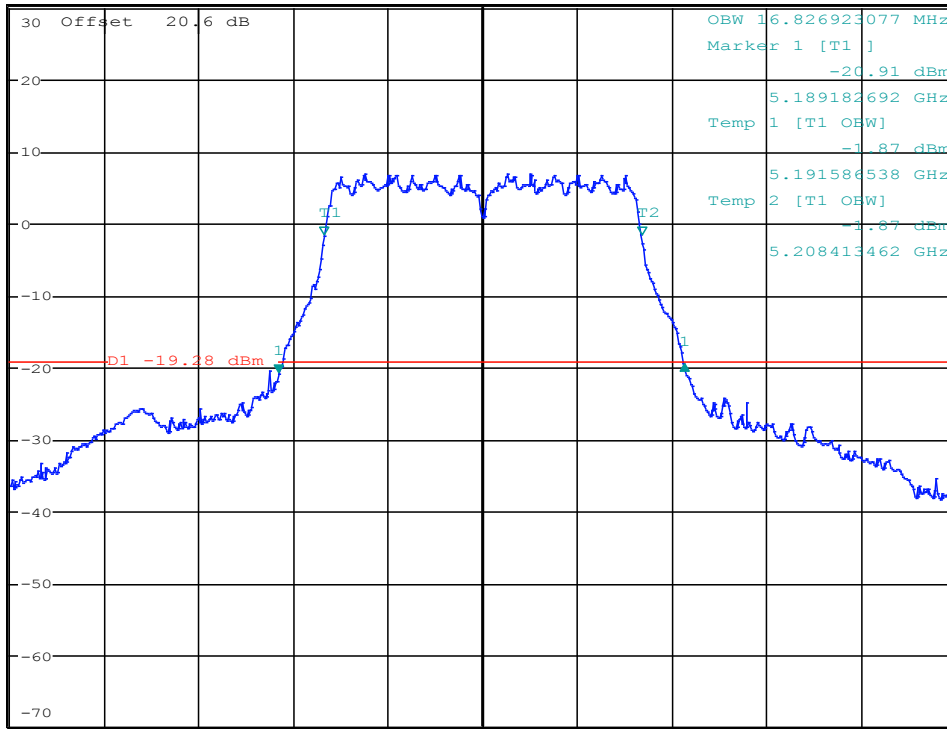


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    1.19 dB  
\*SWT 20 ms    21.474358974 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 21:04:32

### Diagram Ch40, a-Mode

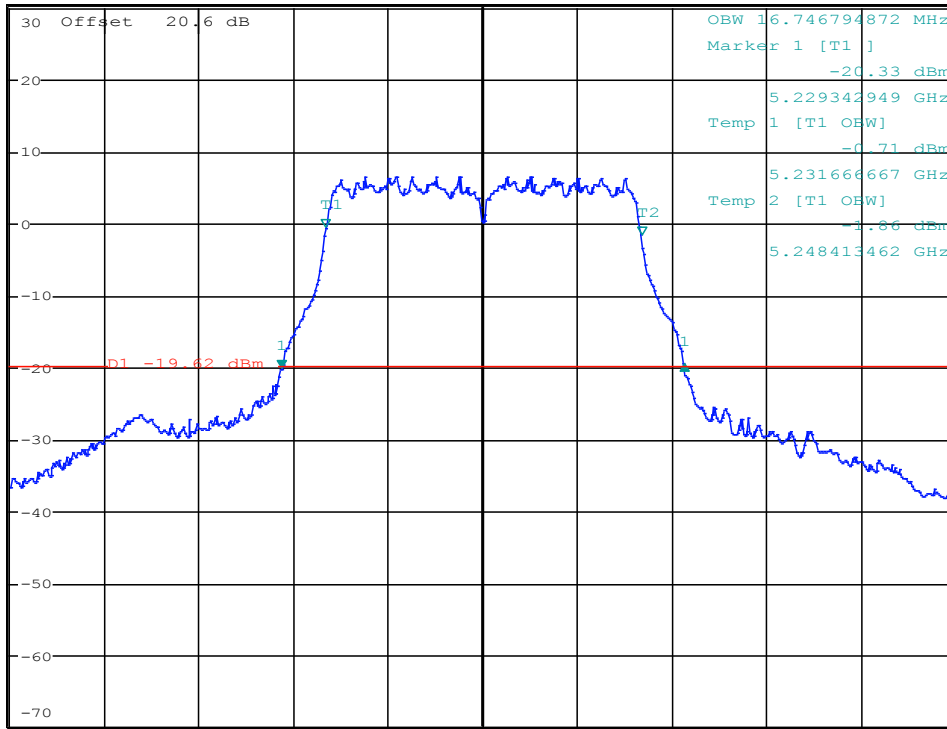


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    0.57 dB  
\*SWT 20 ms    21.314102564 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 21:09:07

### Diagram Ch48, a-Mode

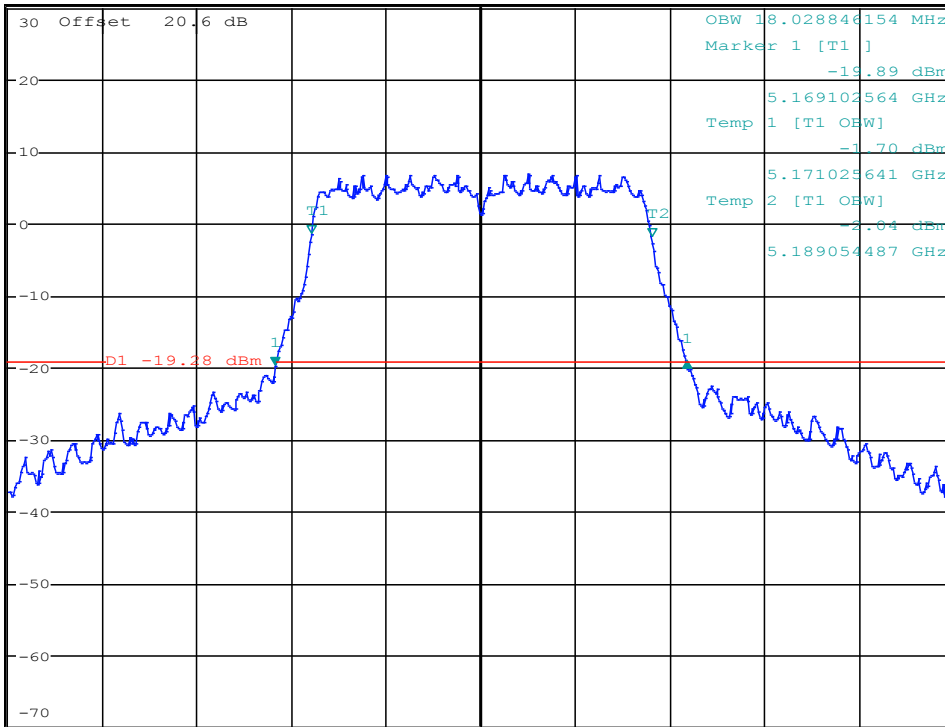


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    0.67 dB  
\*SWT 20 ms    21.794871795 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Center 5.18 GHz

5 MHz/

Span 50 MHz

Date: 4.MAR.2014 21:37:20

### Diagram Ch36, n-Mode

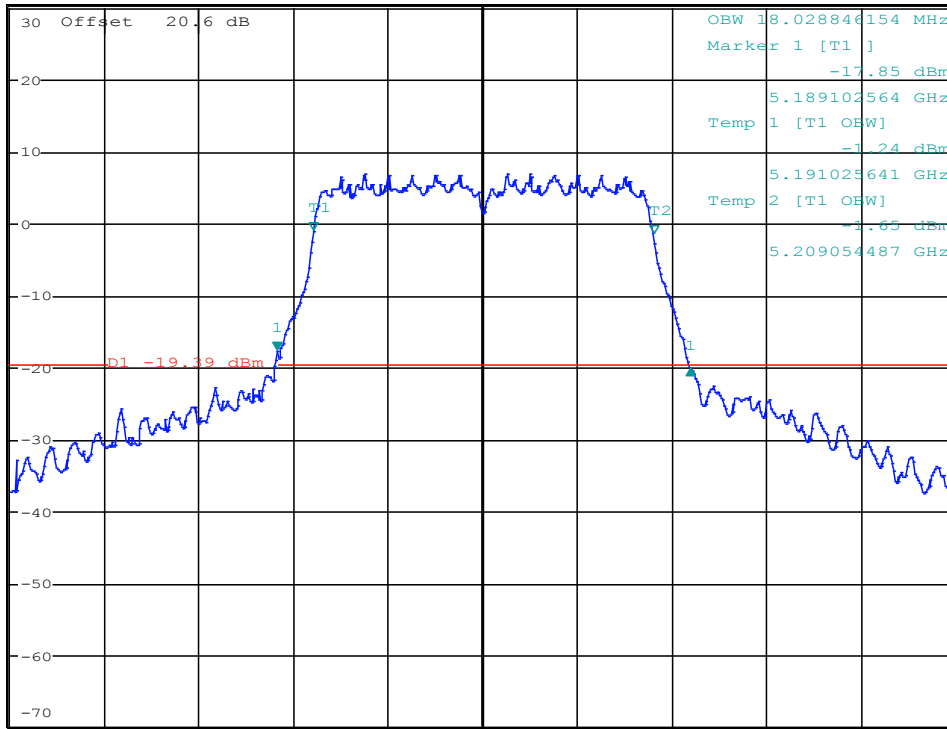


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    -2.46 dB  
\*SWT 20 ms    21.875000000 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 21:41:58

### Diagram Ch40, n-Mode

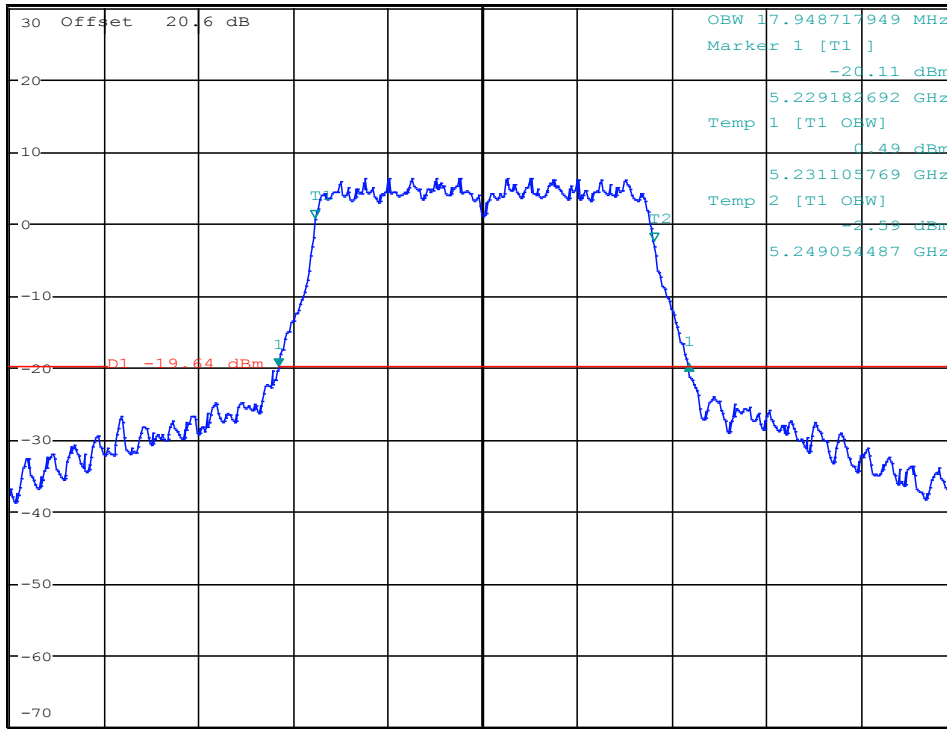


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    0.36 dB  
\*SWT 20 ms    21.714743590 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Center 5.24 GHz

5 MHz/

Span 50 MHz

Date: 4.MAR.2014 21:45:17

### Diagram Ch48, n-Mode





\*RBW 500 kHz    Delta 1 [T1 ]  
\*VBW 2 MHz                    1.63 dB  
\*Att 20 dB                      40.673076923 MHz  
\*SWT 20 ms

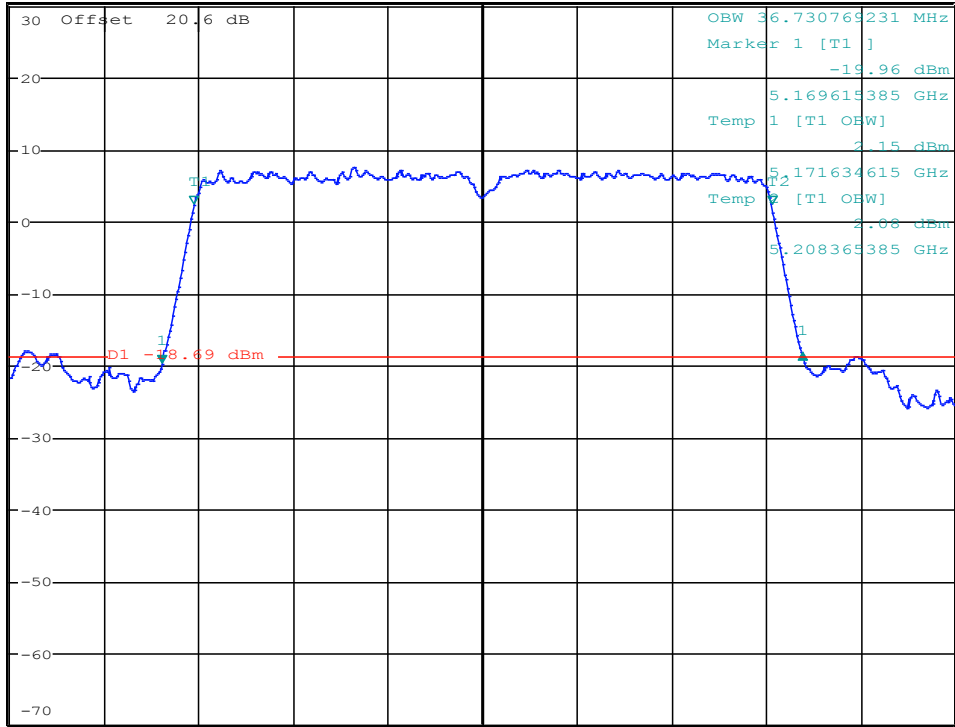
Ref 30 dBm

\*Att 20 dB

\*SWT 20 ms

40.673076923 MHz

1 PK  
MAXH



Date: 4.MAR.2014 22:20:24

### Diagram Ch38, n40-Mode

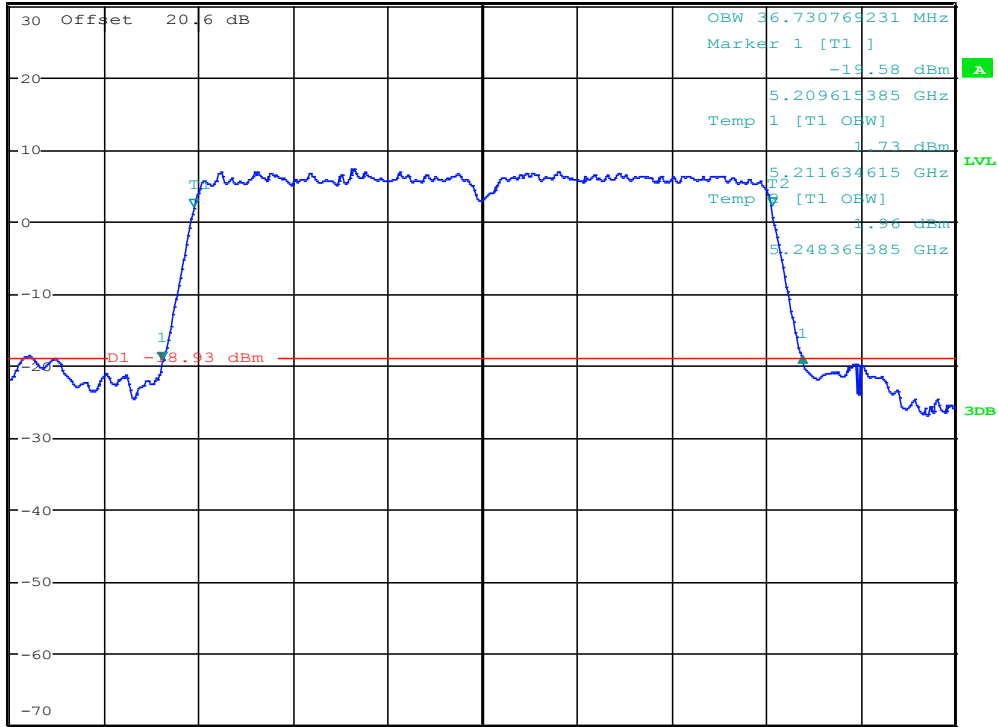


\*RBW 500 kHz    Delta 1 [T1 ]  
\*VBW 2 MHz        0.71 dB  
\*SWT 20 ms        40.673076923 MHz

Ref 30 dBm

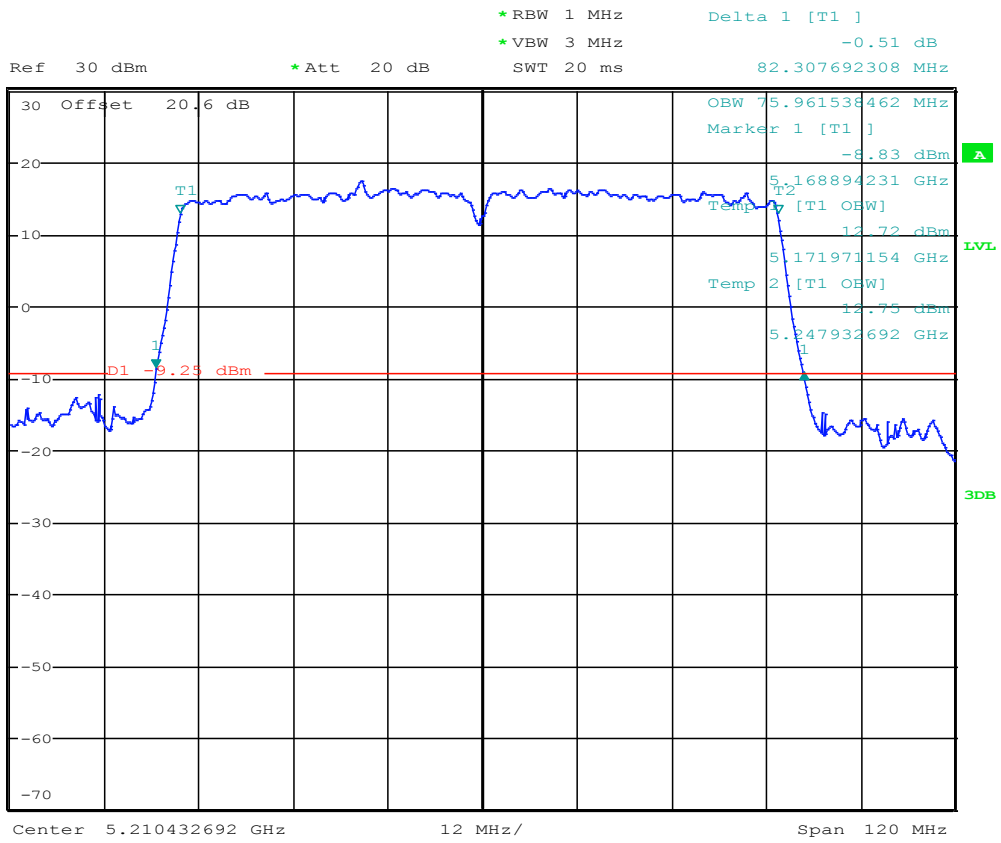
\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 22:22:55

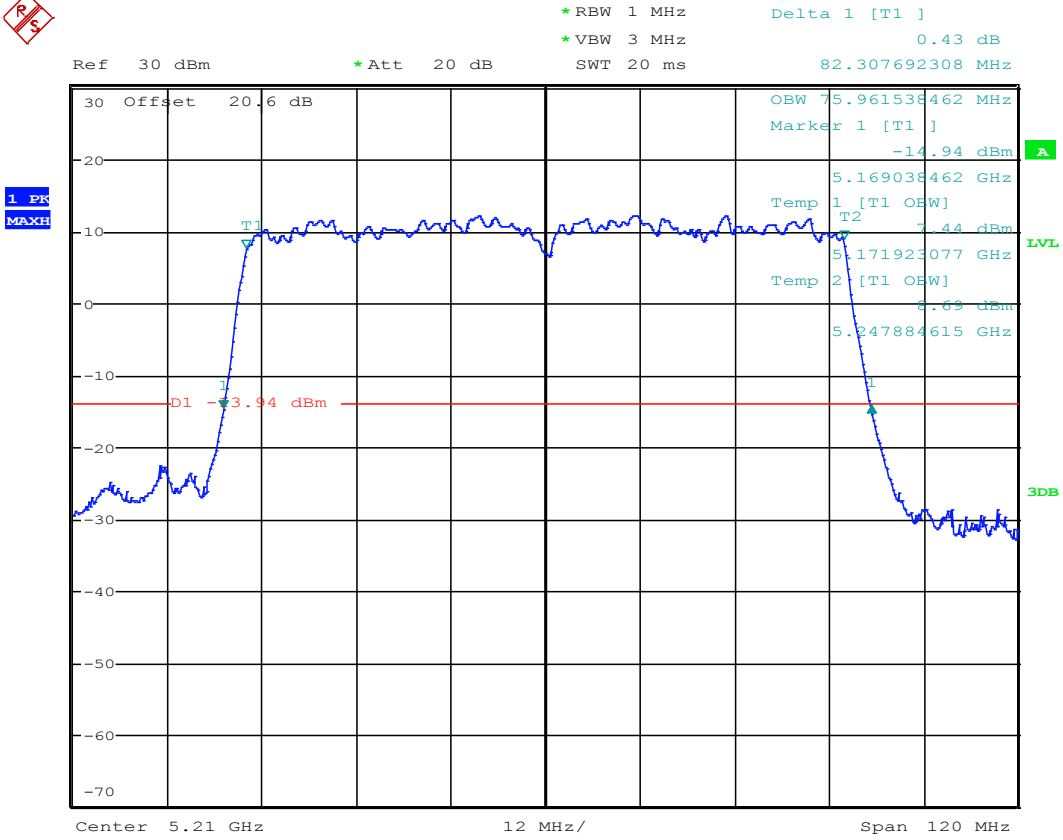
### Diagram Ch46, n40-Mode



low

Date: 7.MAR.2014 21:37:24

### Diagram Ch42, AC80-Mode

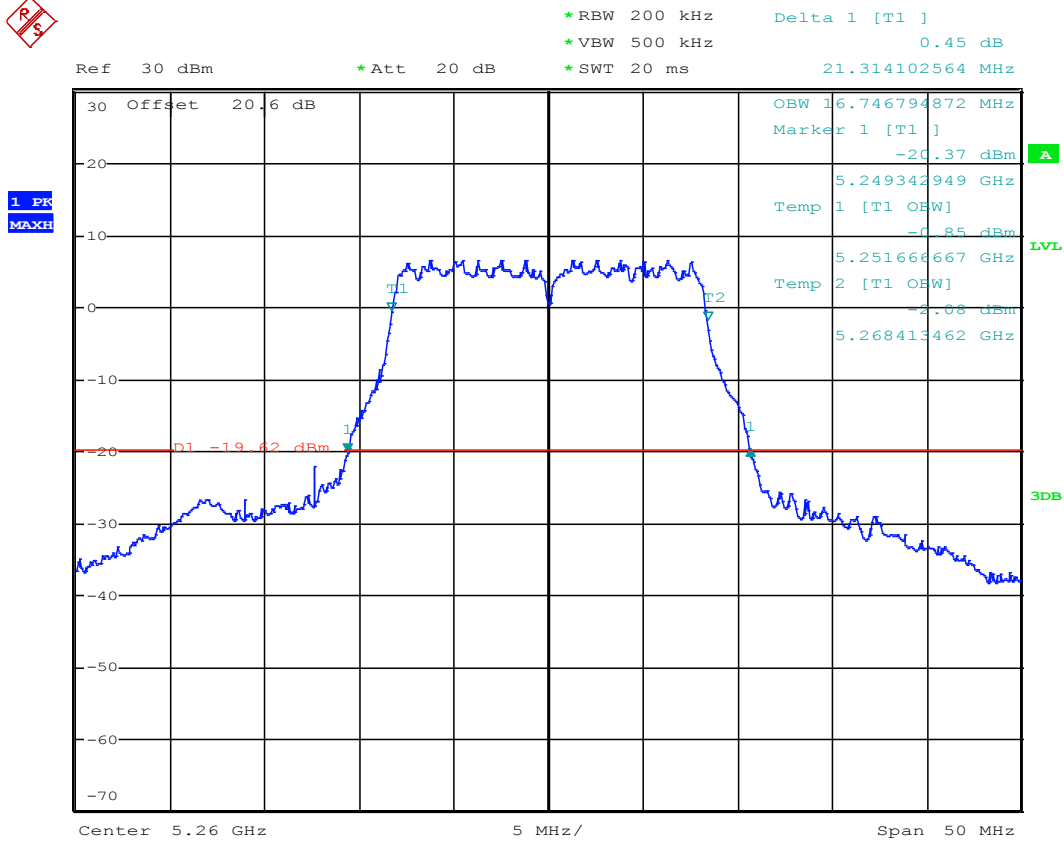


low

Date: 7.MAR.2014 22:16:22

### Diagram Ch42, AC80-Mode

## 0.1.2. UNII-2A Band



Date: 4.MAR.2014 21:12:47

**Diagram Ch52, a-Mode**

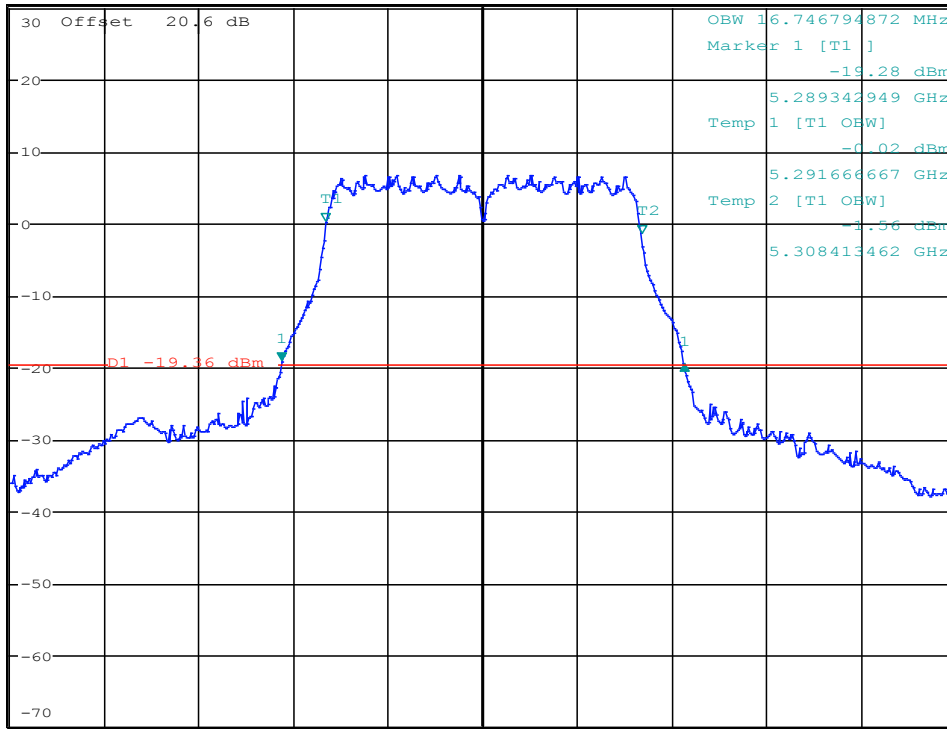


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    -0.34 dB  
\*SWT 20 ms    21.314102564 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Center 5.3 GHz

5 MHz/

Span 50 MHz

Date: 4.MAR.2014 21:15:34

### Diagram Ch60, a-Mode

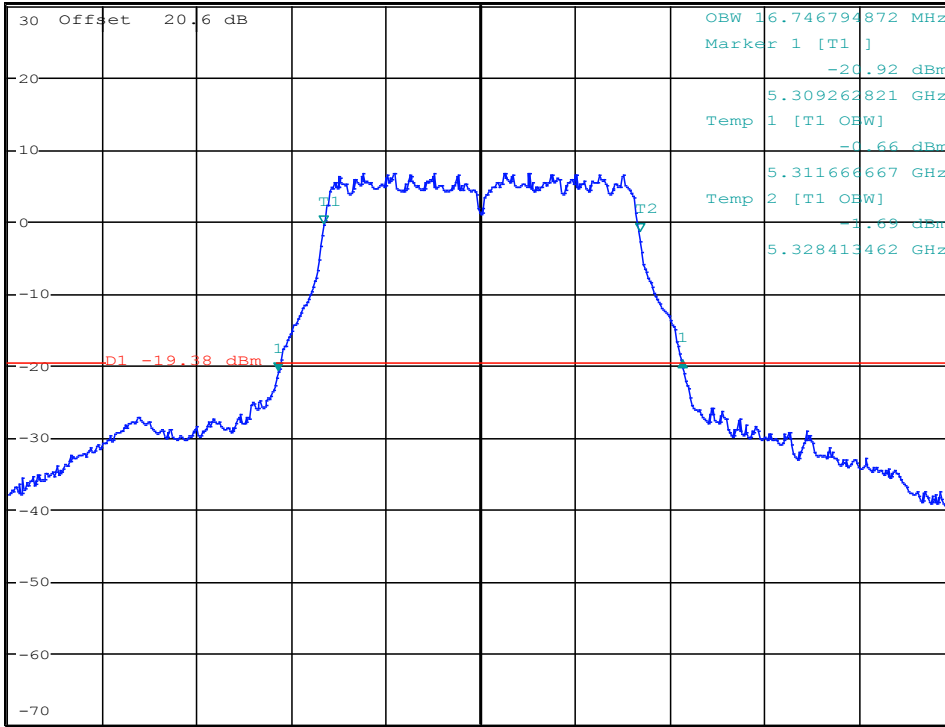


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    1.50 dB  
\*SWT 20 ms    21.394230769 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 21:18:28

### Diagram Ch64, a-Mode

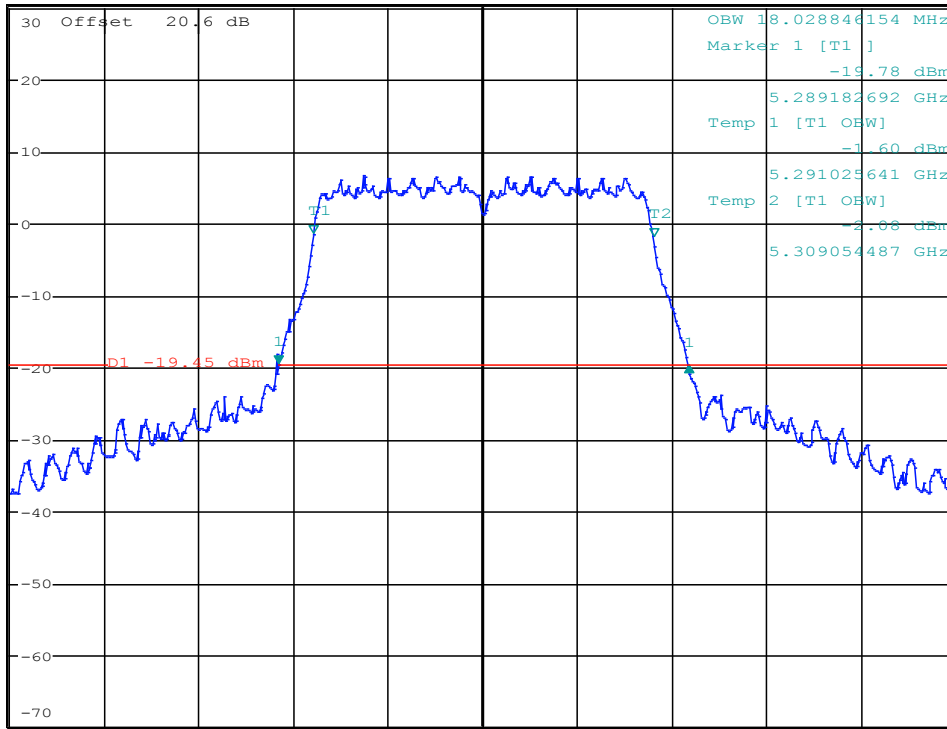


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    -0.03 dB  
\*SWT 20 ms    21.714743590 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 21:55:07

### Diagram Ch52, n-Mode



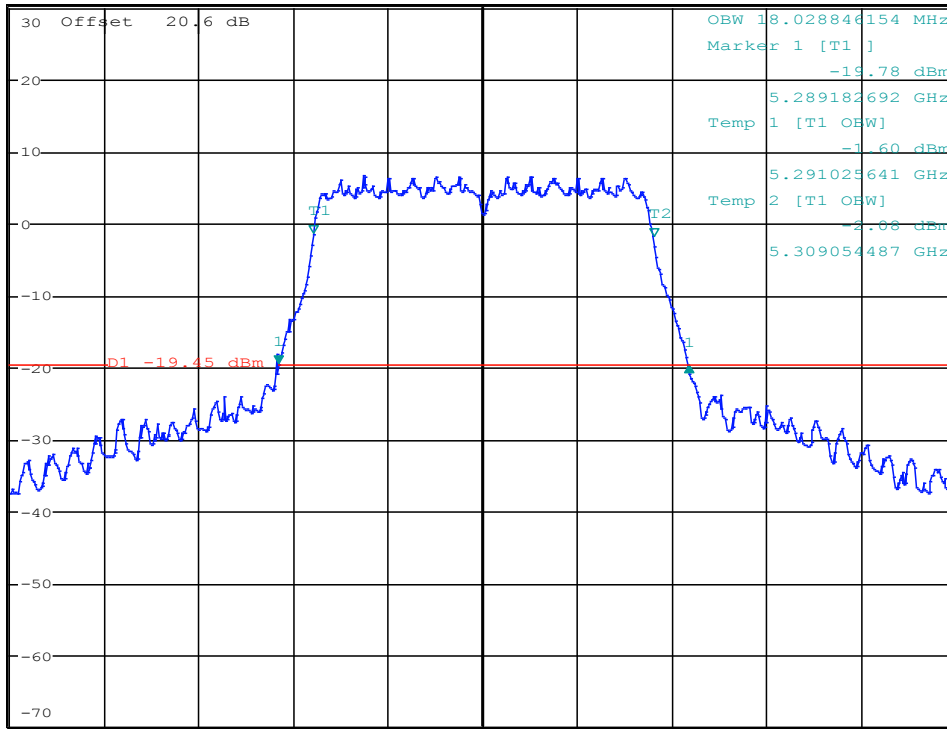


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    -0.03 dB  
\*SWT 20 ms    21.714743590 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 21:55:07

### Diagram Ch60, n-Mode

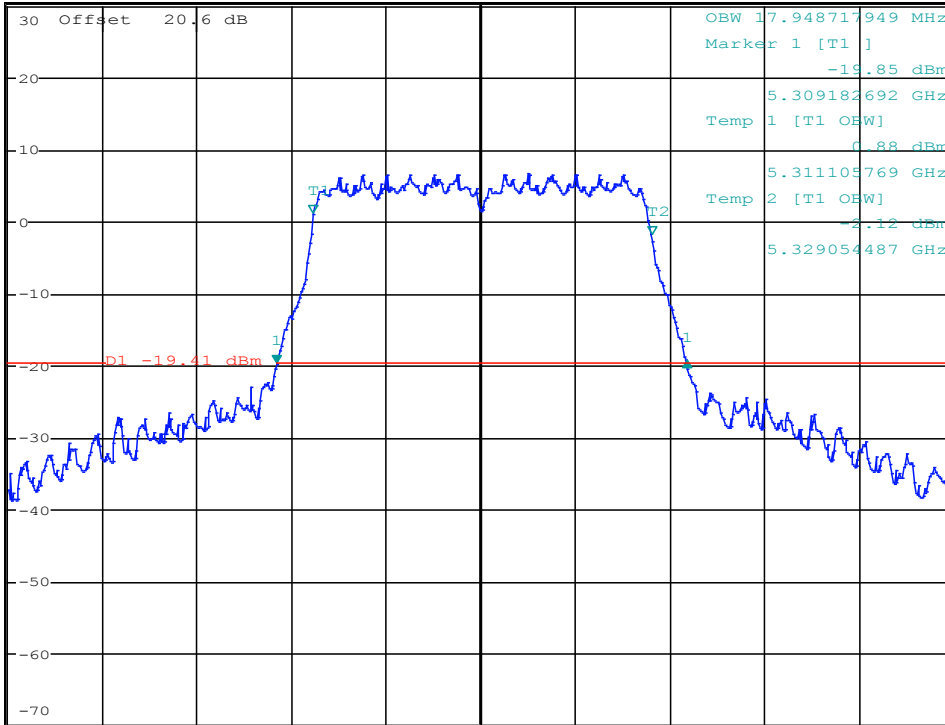


\*RBW 200 kHz Delta 1 [T1 ]  
 \*VBW 500 kHz 0.35 dB  
 \*SWT 20 ms 21.714743590 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Center 5.32 GHz

5 MHz/

Span 50 MHz

Date: 4.MAR.2014 21:58:53

### Diagram Ch64, n-Mode

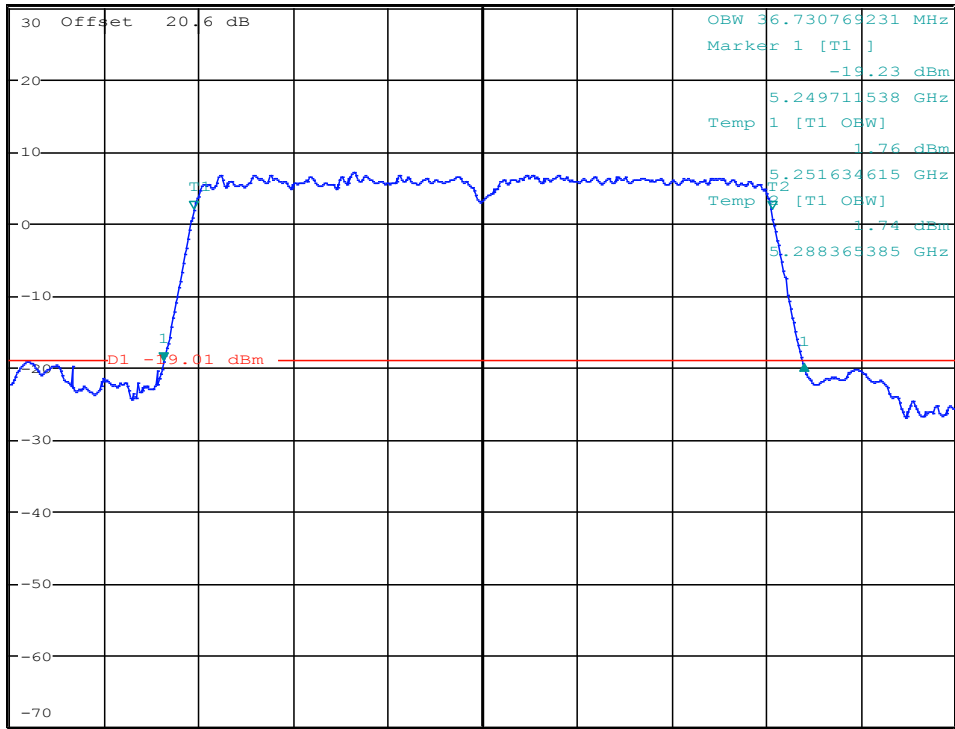


\*RBW 500 kHz Delta 1 [T1 ]  
\*VBW 2 MHz -0.38 dB  
\*SWT 20 ms 40.673076923 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



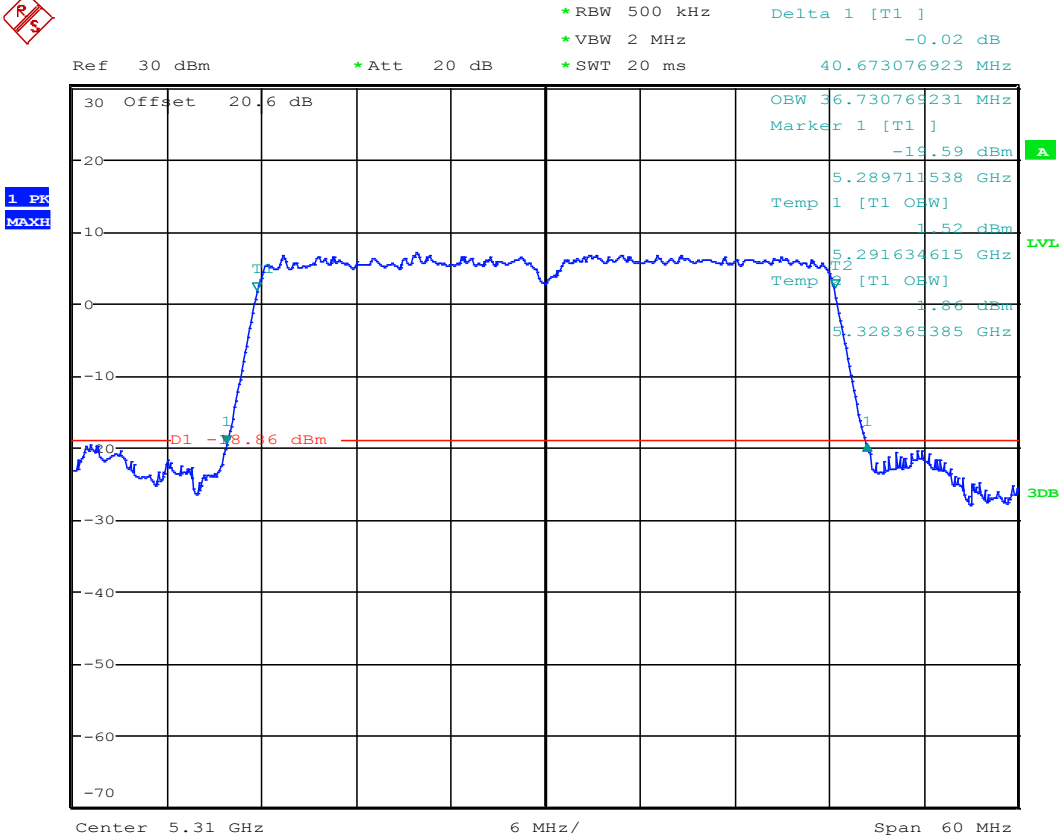
Center 5.27 GHz

6 MHz/

Span 60 MHz

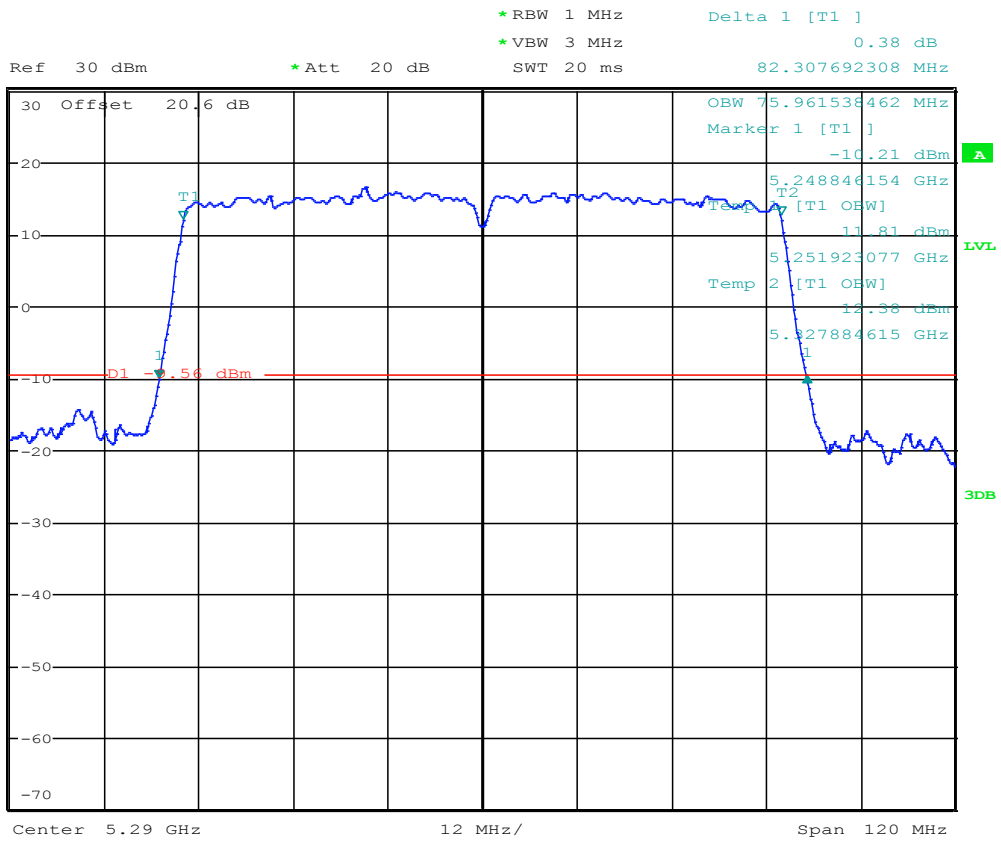
Date: 4.MAR.2014 22:26:45

### Diagram Ch54, n40-Mode



Date: 4.MAR.2014 22:28:56

### Diagram Ch62, n40-Mode



low

Date: 7.MAR.2014 21:43:17

### Diagram Ch58, AC80-Mode

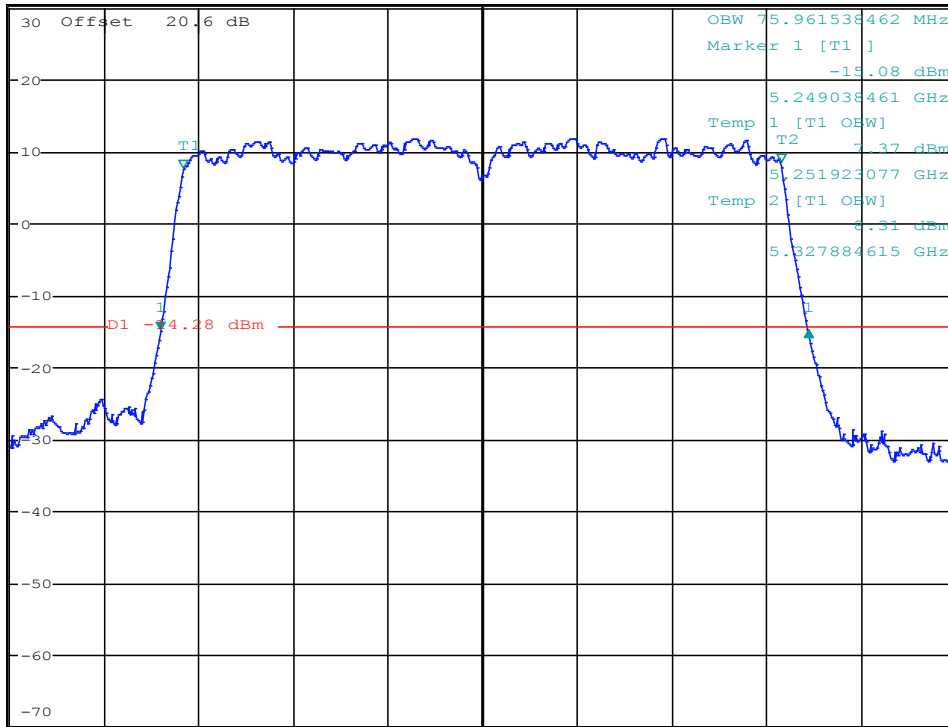


\*RBW 1 MHz      Delta 1 [T1]      0.06 dB  
\*VBW 3 MHz  
SWT 20 ms      82.307692692 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH

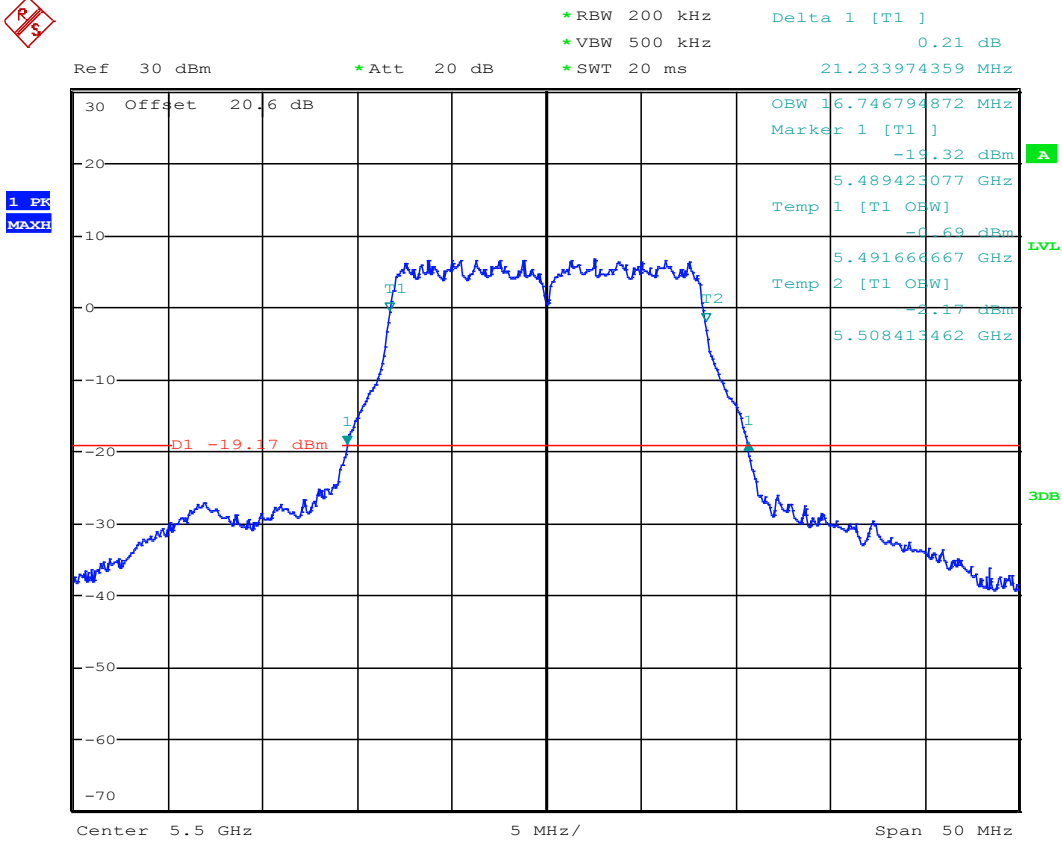


low

Date: 7.MAR.2014 22:25:01

**Diagram Ch58, AC80-Mode**

### 0.1.3. UNII-2C Band



Date: 4.MAR.2014 21:20:58

**Diagram Ch100, a-Mode**

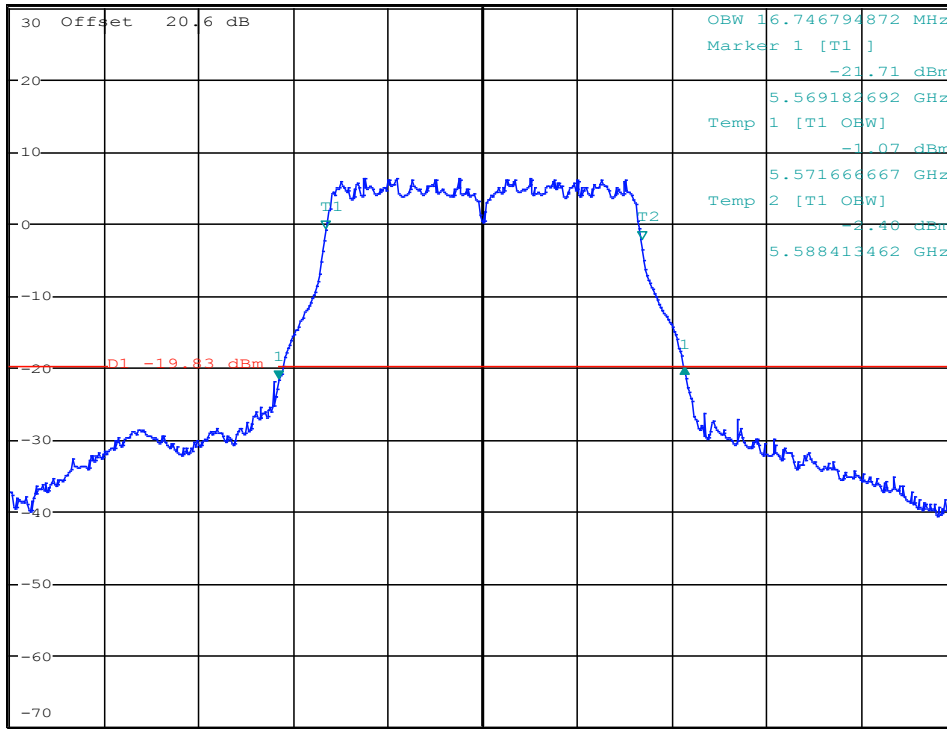


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    1.65 dB  
\*SWT 20 ms    21.474358974 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 21:32:44

### Diagram Ch116, a-Mode



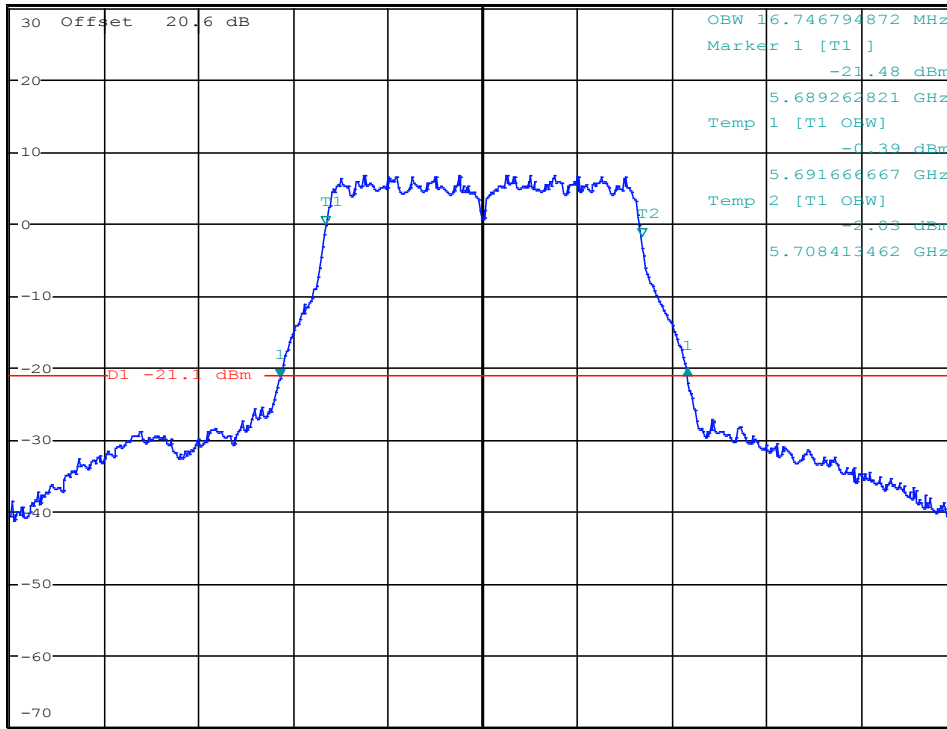


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    1.14 dB  
\*SWT 20 ms    21.554487180 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Center 5.7 GHz

5 MHz/

Span 50 MHz

Date: 4.MAR.2014 21:24:15

### Diagram Ch140, a-Mode

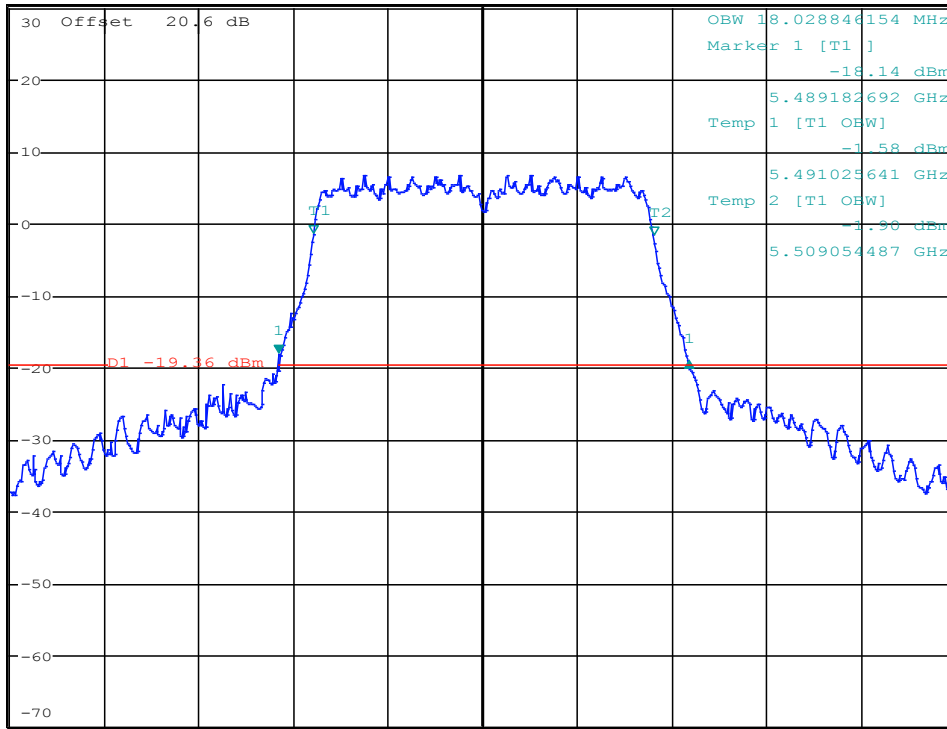


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    -1.13 dB  
\*SWT 20 ms      21.714743590 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 22:07:32

### Diagram Ch100, n-Mode

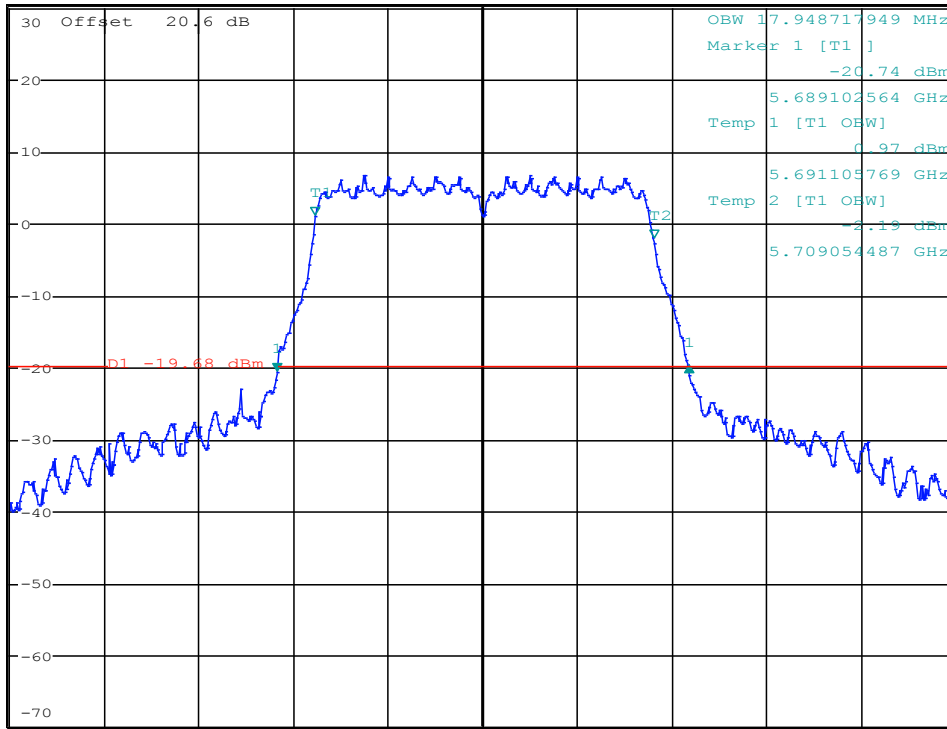


\*RBW 200 kHz    Delta 1 [T1 ]  
\*VBW 500 kHz    0.84 dB  
\*SWT 20 ms    21.794871795 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 22:15:44

### Diagram Ch140, n-Mode

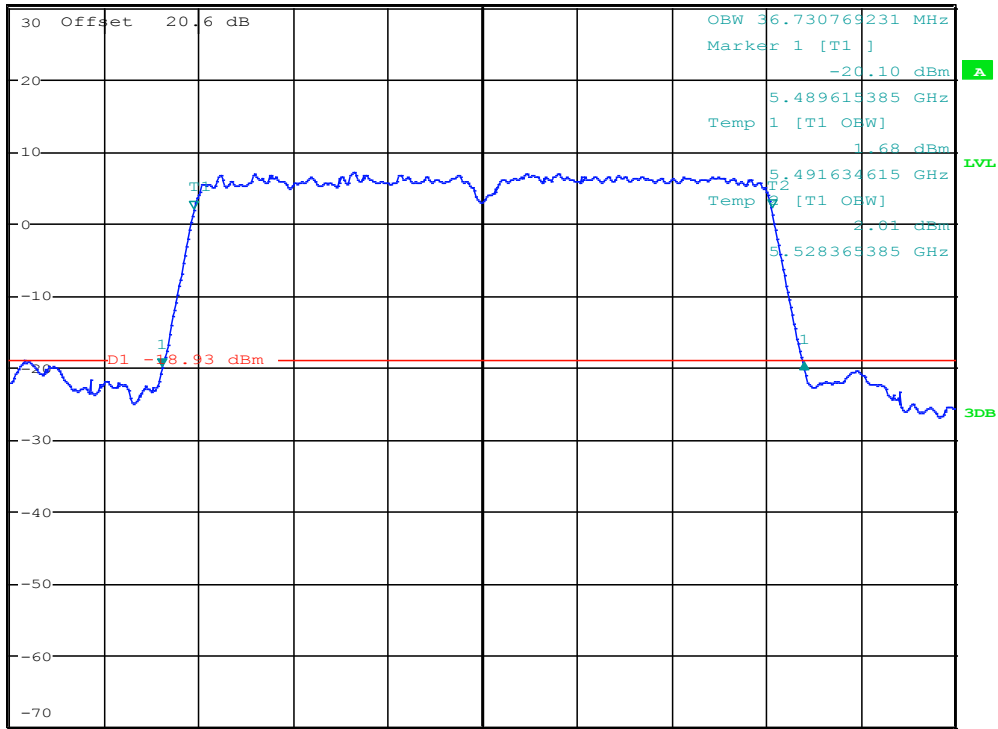


\*RBW 500 kHz    Delta 1 [T1 ]  
\*VBW 2 MHz                    0.53 dB  
\*SWT 20 ms                    40.769230769 MHz

Ref 30 dBm

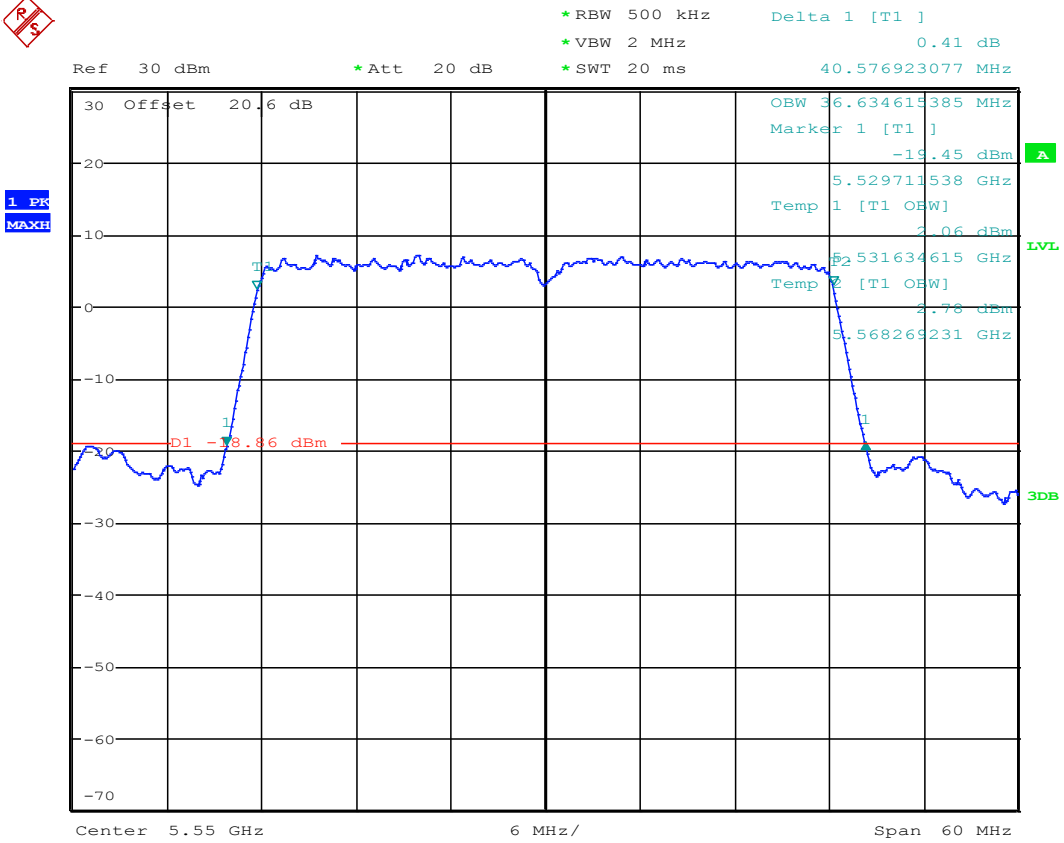
\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2014 22:31:41

### Diagram Ch102, n40-Mode



Date: 4.MAR.2014 22:34:58

### Diagram Ch110, n40-Mode



\*RBW 500 kHz    Delta 1 [T1 ]  
\*VBW 2 MHz                    0.72 dB  
\*Att 20 dB                      40.769230769 MHz  
\*SWT 20 ms

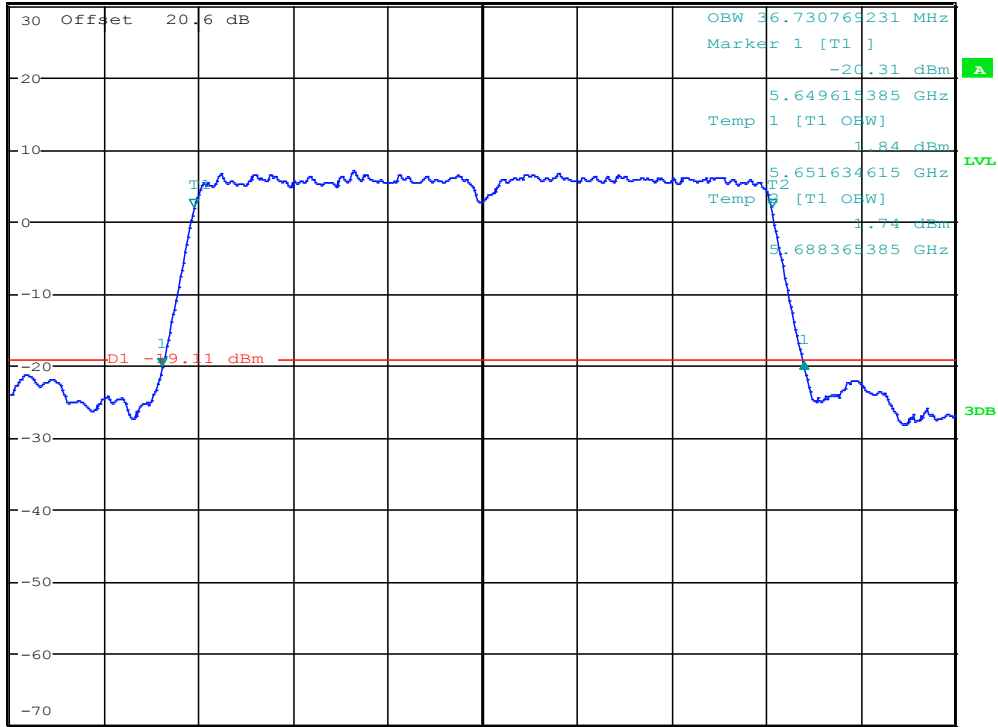
Ref 30 dBm

\*Att 20 dB

\*SWT 20 ms

40.769230769 MHz

1 PK  
MAXH



Date: 4.MAR.2014 22:37:36

### Diagram Ch134, n40-Mode

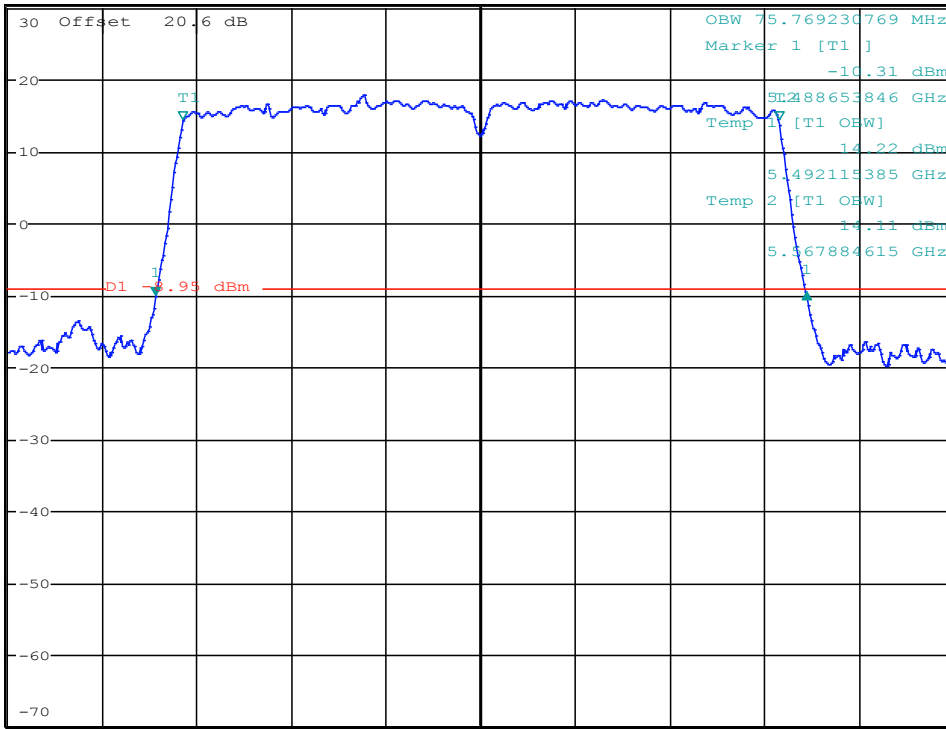


\*RBW 1 MHz      Delta 1 [T1]      0.56 dB  
\*VBW 3 MHz  
SWT 20 ms      82.692307692 MHz

Ref 30 dBm

\*Att 20 dB

1 PK  
MAXH



low

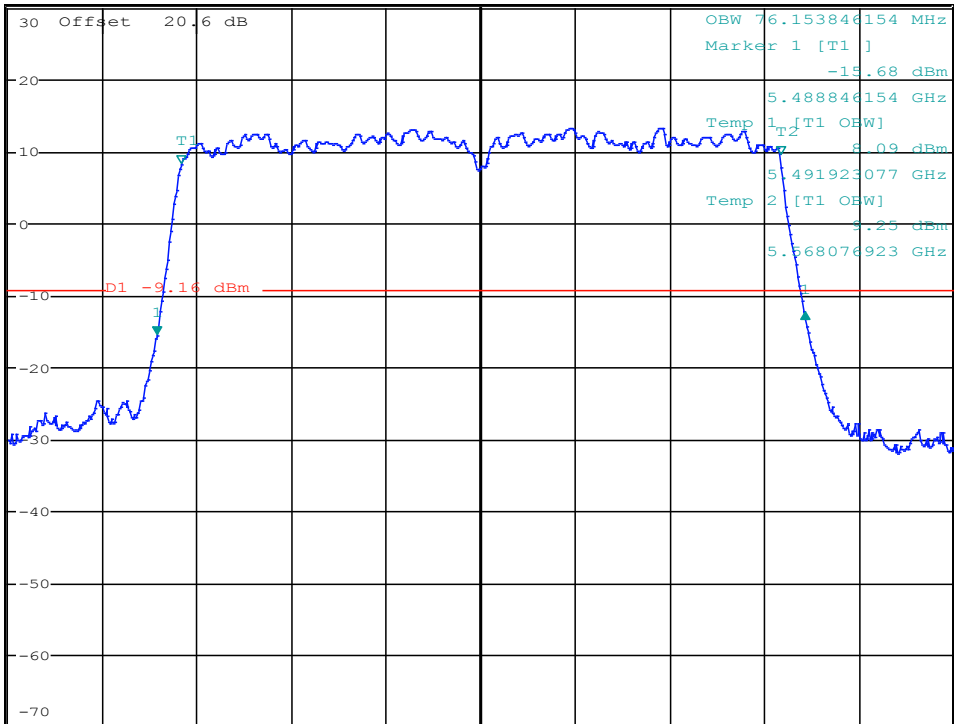
Date: 7.MAR.2014 21:48:04

**Diagram Ch106, AC80-Mode**



\*RBW 1 MHz      Delta 1 [T1]      3.13 dB  
 \*VBW 3 MHz  
 Ref 30 dBm      \*Att 20 dB      SWT 20 ms      82.307692308 MHz

1 PK  
 MAXH



Center 5.53 GHz      12 MHz/      Span 120 MHz

low

Date: 7.MAR.2014 22:29:39

**Diagram Ch106, AC80-Mode**



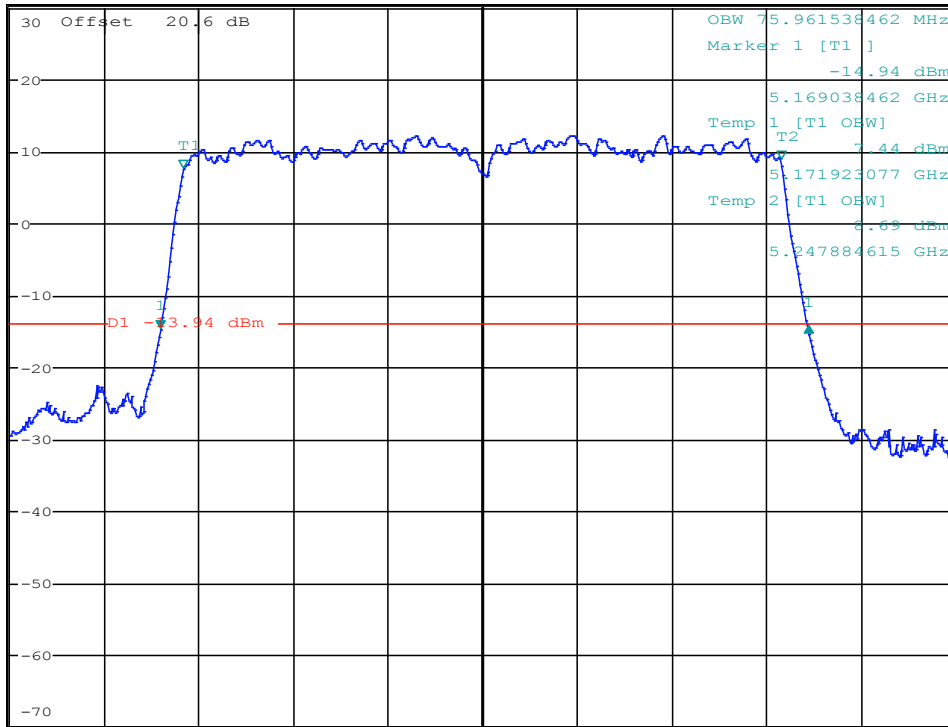


\*RBW 1 MHz      Delta 1 [T1 ]      0.43 dB  
\*VBW 3 MHz  
SWT 20 ms      82.307692308 MHz

Ref 30 dBm

\*Att 20 dB

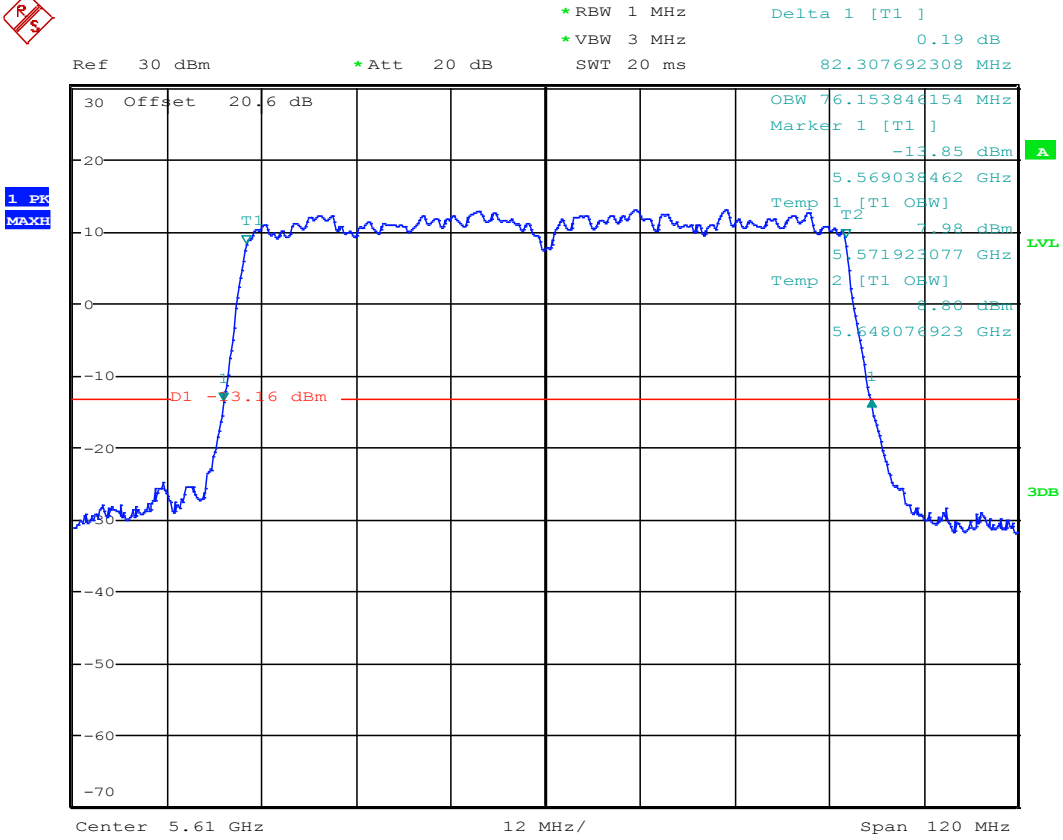
1 PK  
MAXH



low

Date: 7.MAR.2014 22:16:22

**Diagram Ch122, AC80-Mode**

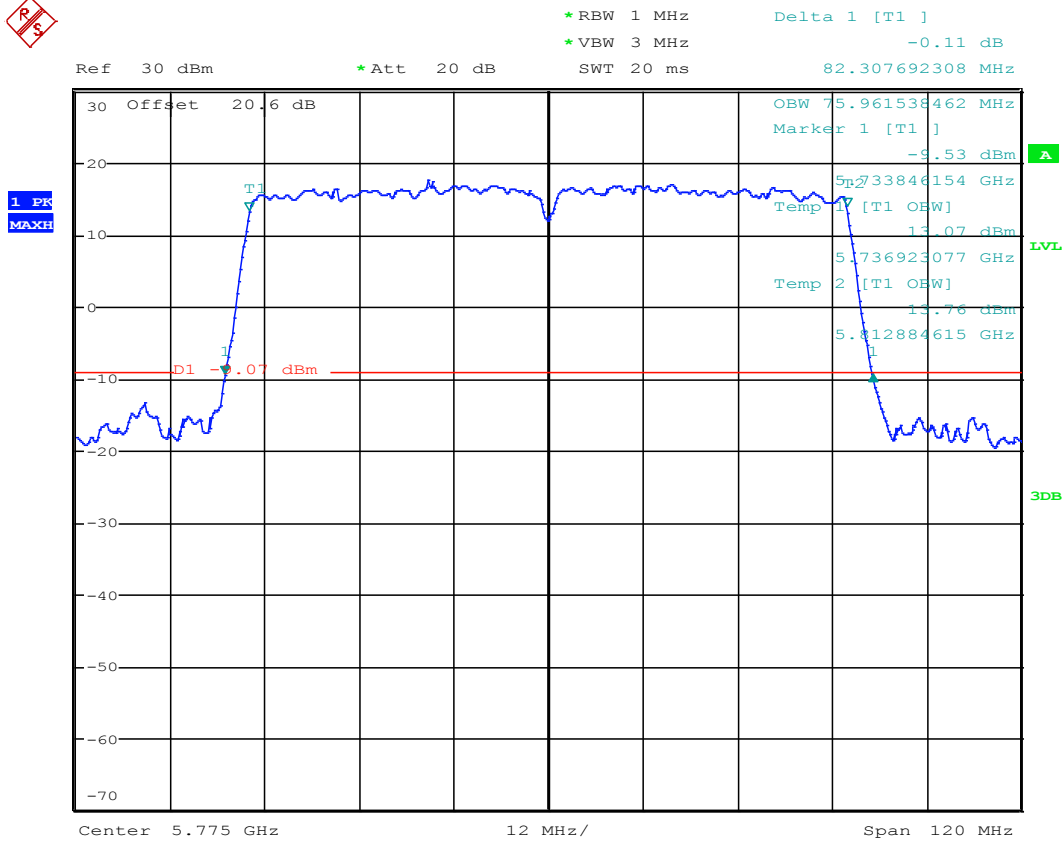


low

Date: 7.MAR.2014 22:35:21

### Diagram Ch122, AC80-Mode

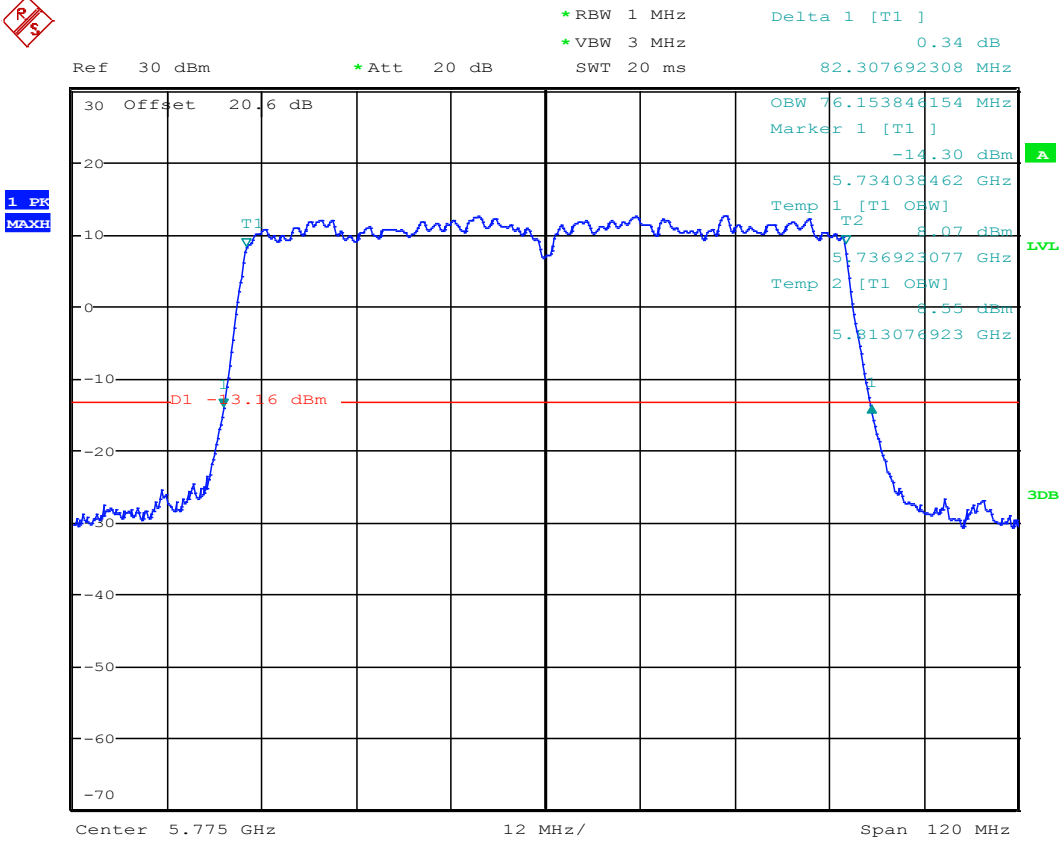
### 0.1.4. UNII-3 Band



low

Date: 7.MAR.2014 21:54:09

**Diagram Ch155, AC80-Mode**



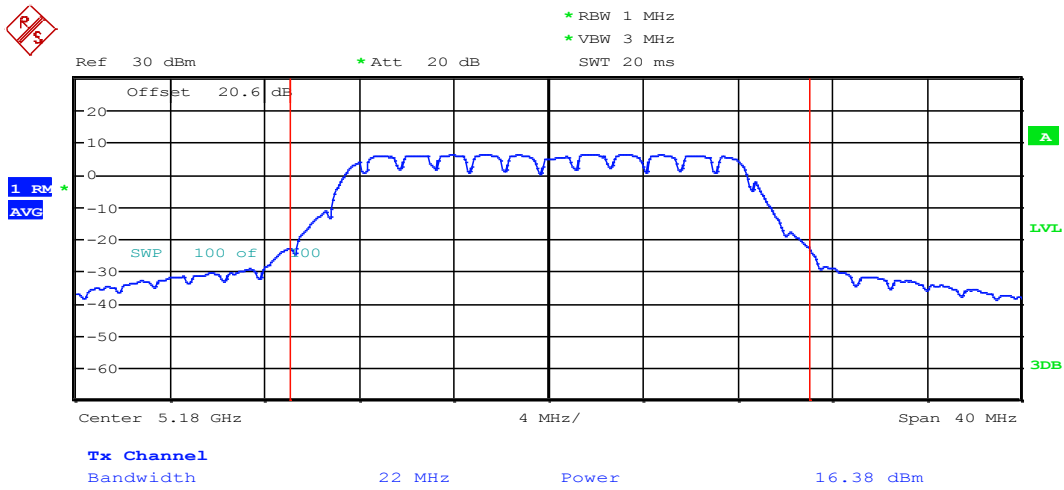
low

Date: 7.MAR.2014 22:37:51

### Diagram Ch155, AC80-Mode

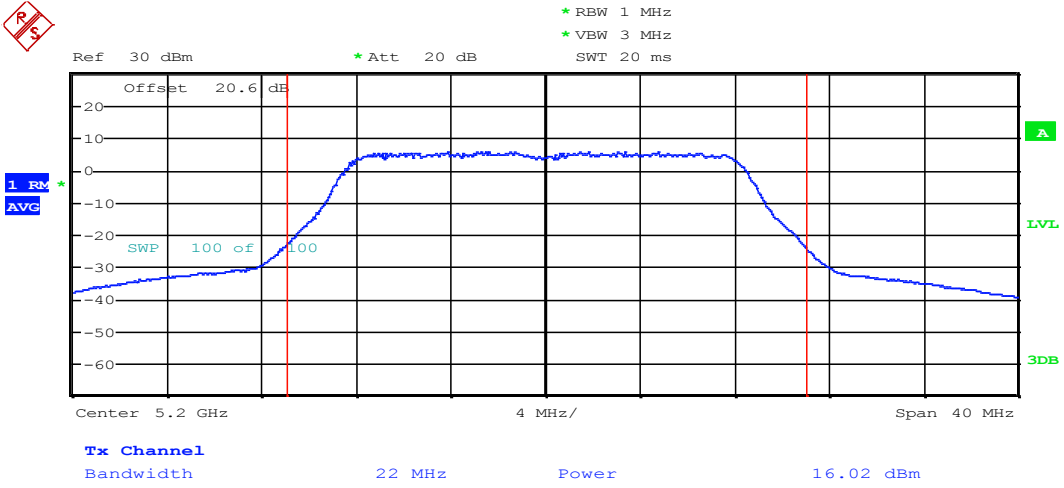
## 0.2. Conducted Power

### 0.2.1. UNII-1 Band



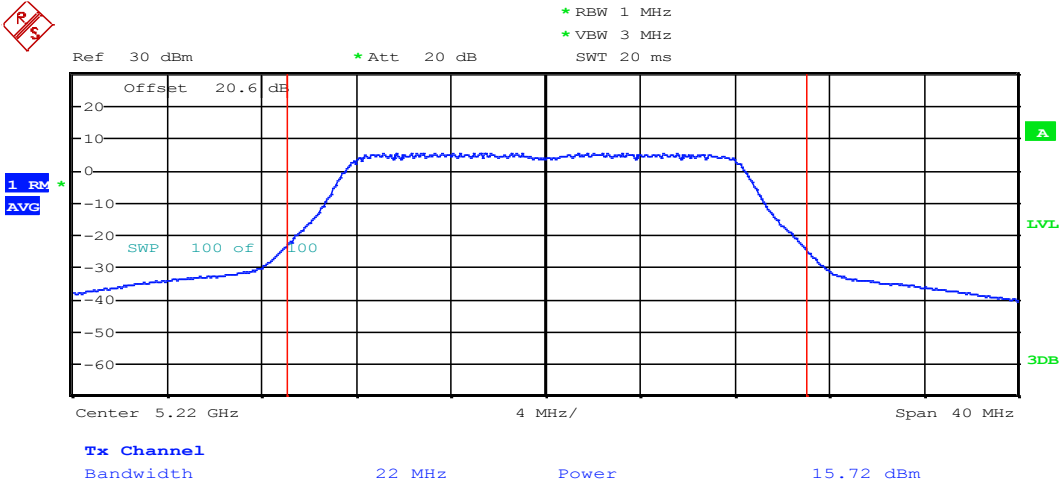
Date: 5.MAR.2014 20:39:21

Diagram Ch36, a-Mode



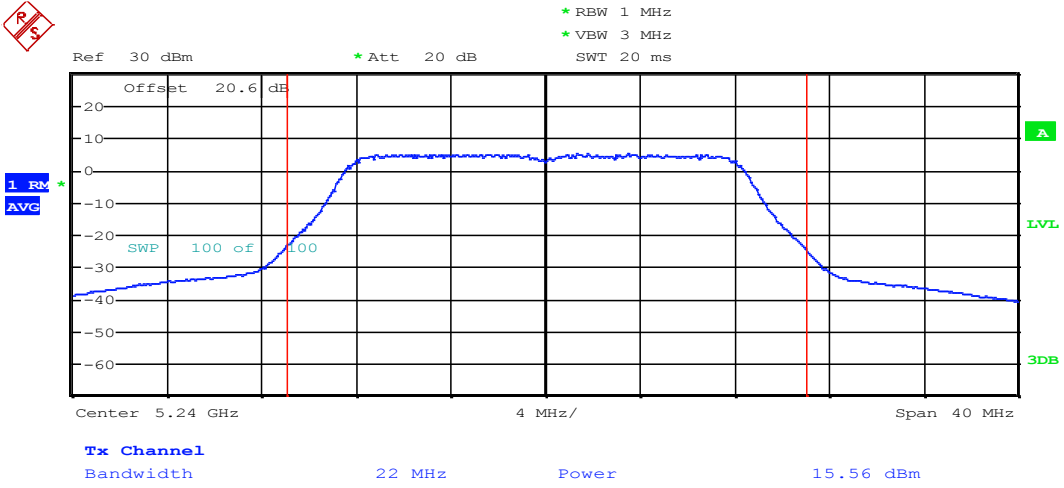
Date: 5.MAR.2014 20:37:13

**Diagram Ch40, a-Mode**



Date: 5.MAR.2014 20:42:42

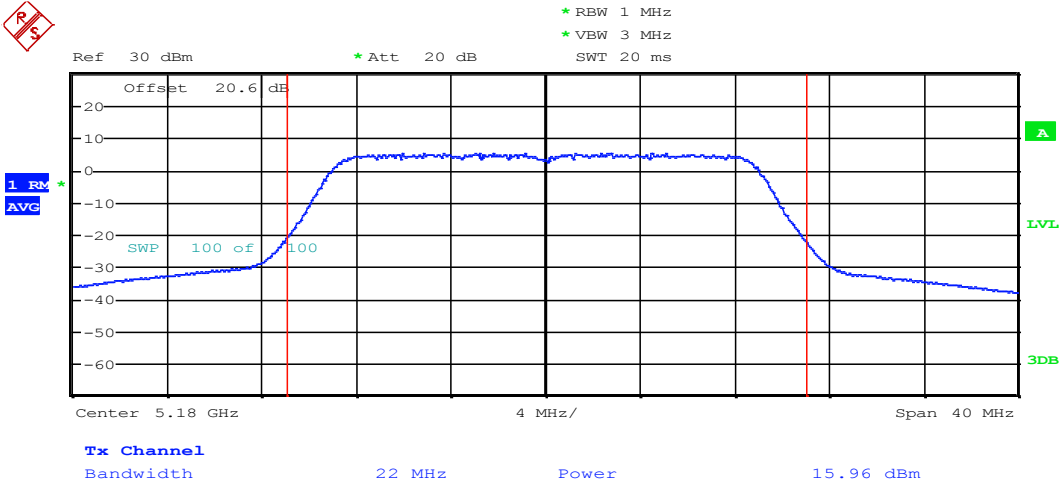
### Diagram Ch44, a-Mode



Date: 5.MAR.2014 20:43:55

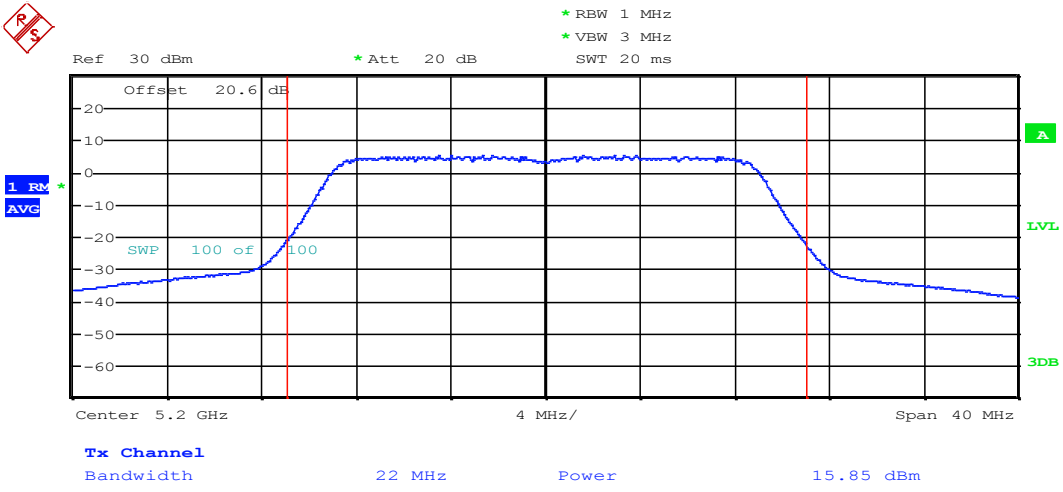
**Diagram Ch48, a-Mode**





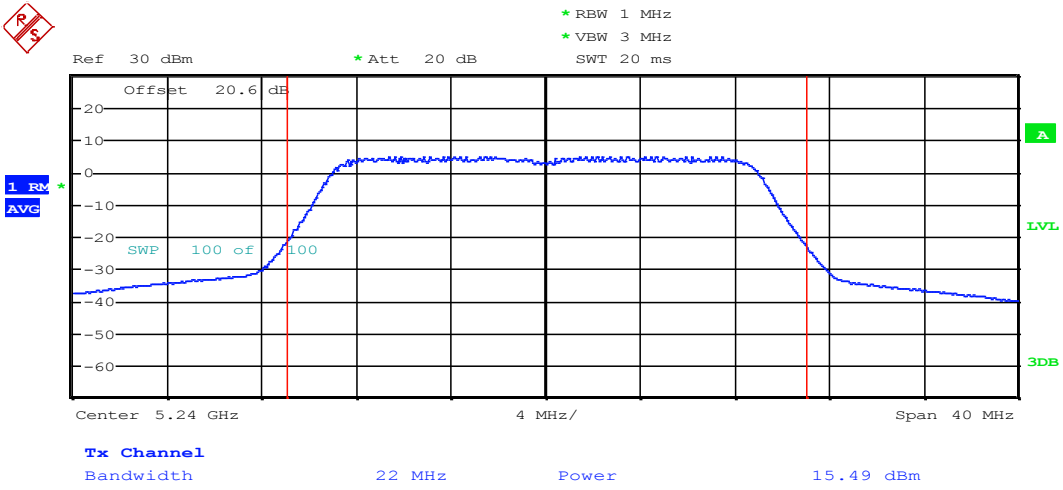
Date: 5.MAR.2014 21:56:02

**Diagram Ch36, n-Mode**



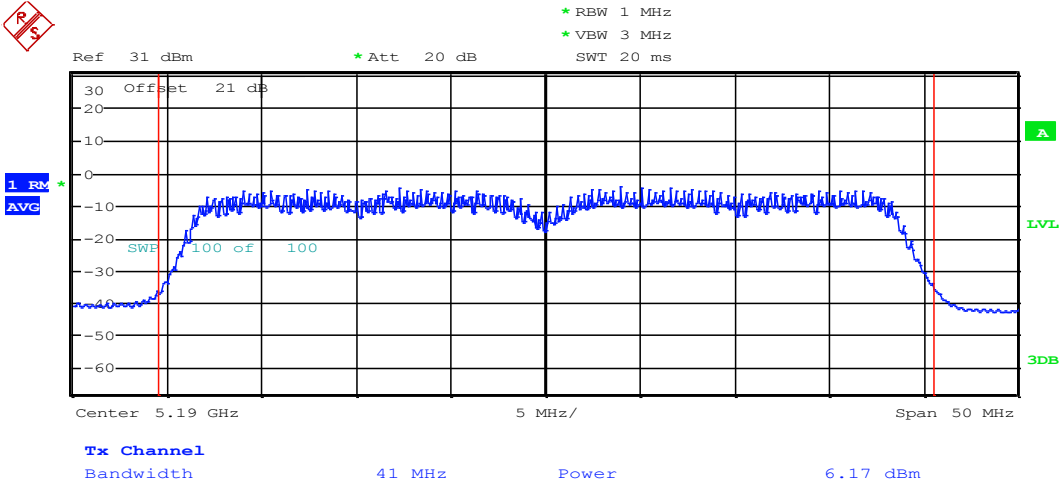
Date: 5.MAR.2014 21:58:09

### Diagram Ch40, n-Mode



Date: 5.MAR.2014 22:00:04

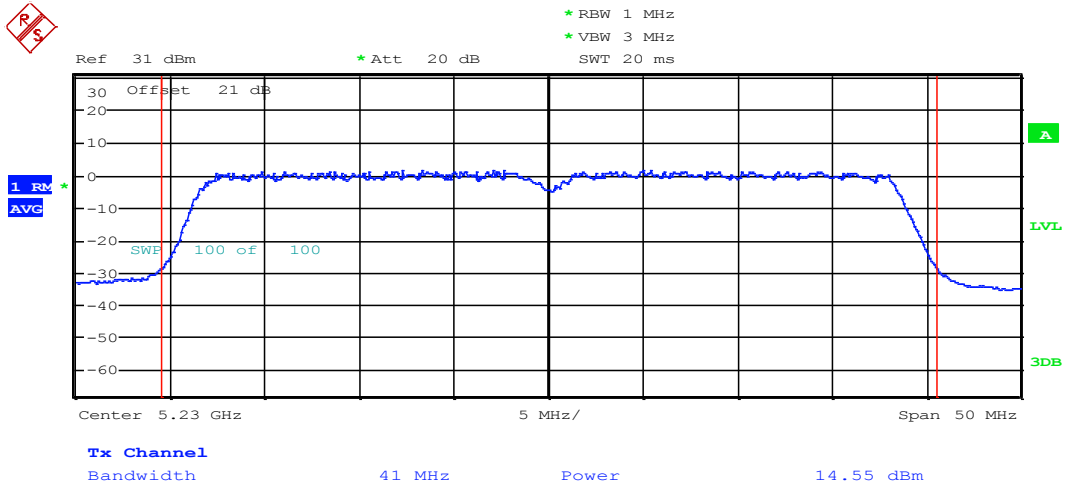
### Diagram Ch48, n-Mode



low

Date: 15.APR.2014 21:33:31

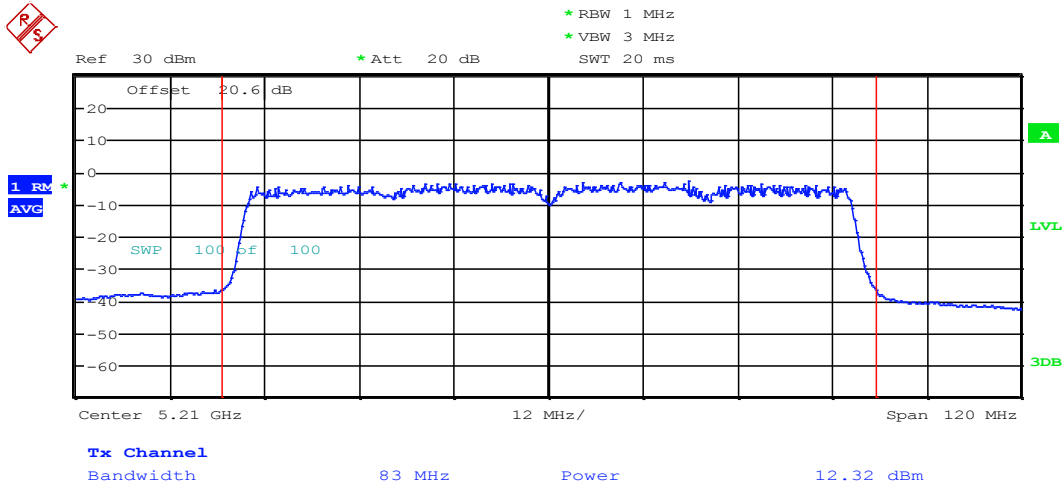
### Diagram Ch38, n40-Mode



low

Date: 15.APR.2014 21:48:06

**Diagram Ch46, n40-Mode**

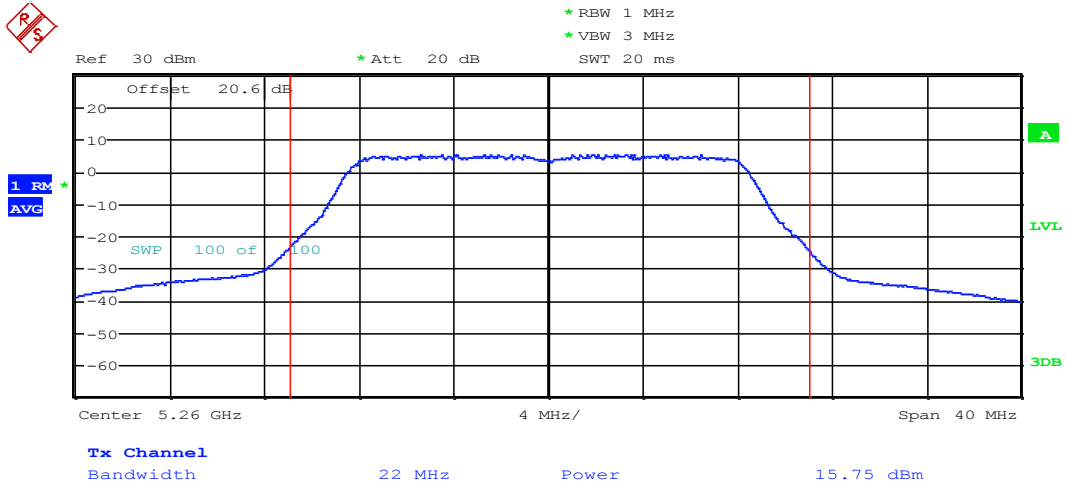


low

Date: 10.MAR.2014 20:48:16

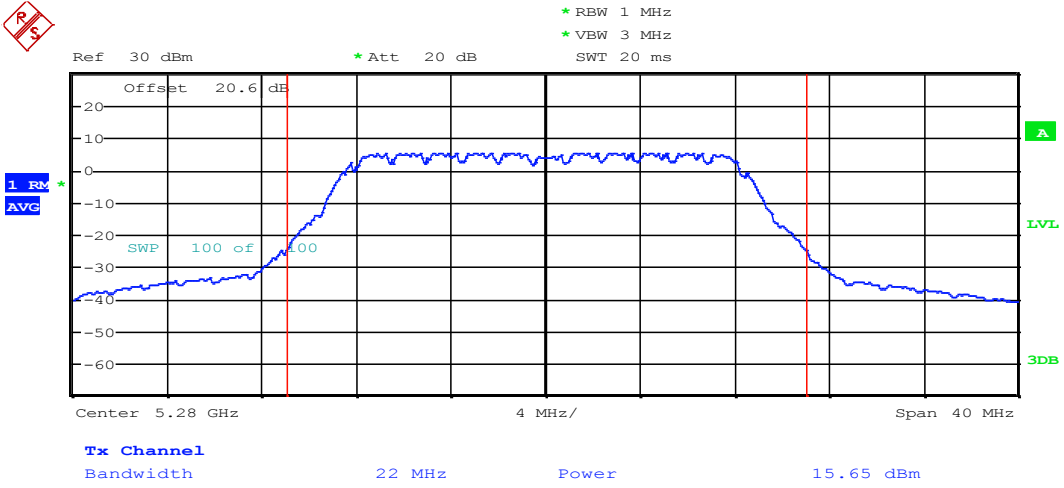
**Diagram Ch42, AC80-Mode**

## 0.2.2. UNII-2A Band



Date: 5.MAR.2014 20:45:20

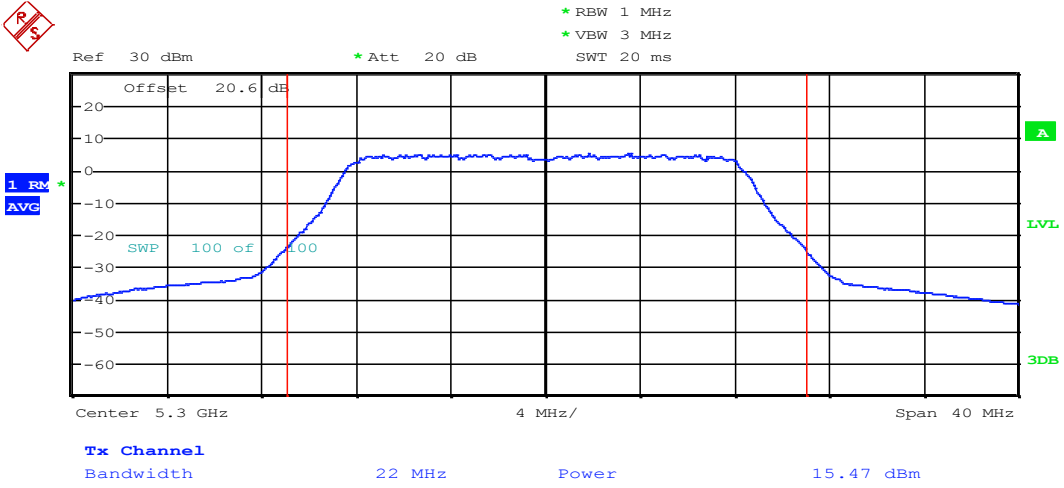
**Diagram Ch52, a-Mode**



Date: 5.MAR.2014 21:15:24

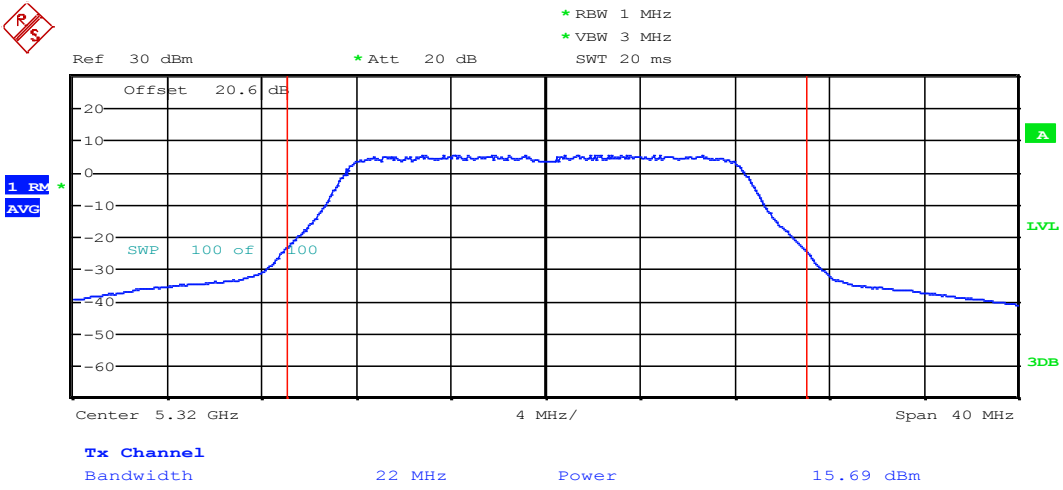
**Diagram Ch56, a-Mode**





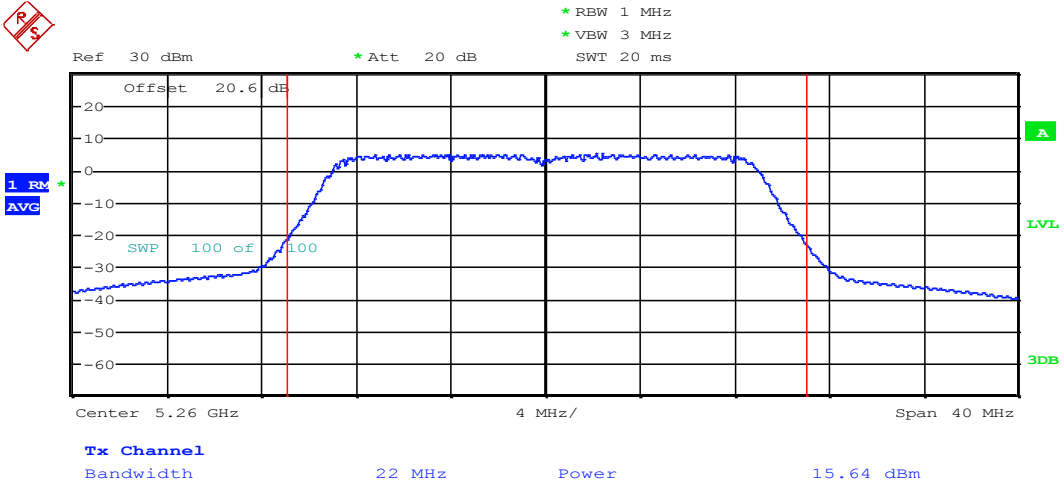
Date: 5.MAR.2014 21:14:03

**Diagram Ch60, a-Mode**



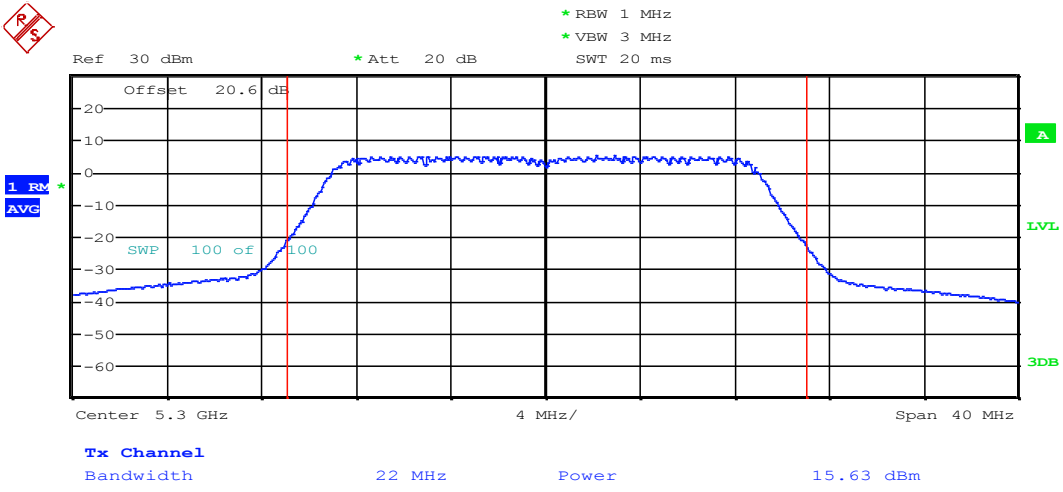
Date: 5.MAR.2014 21:17:42

### Diagram Ch64, a-Mode



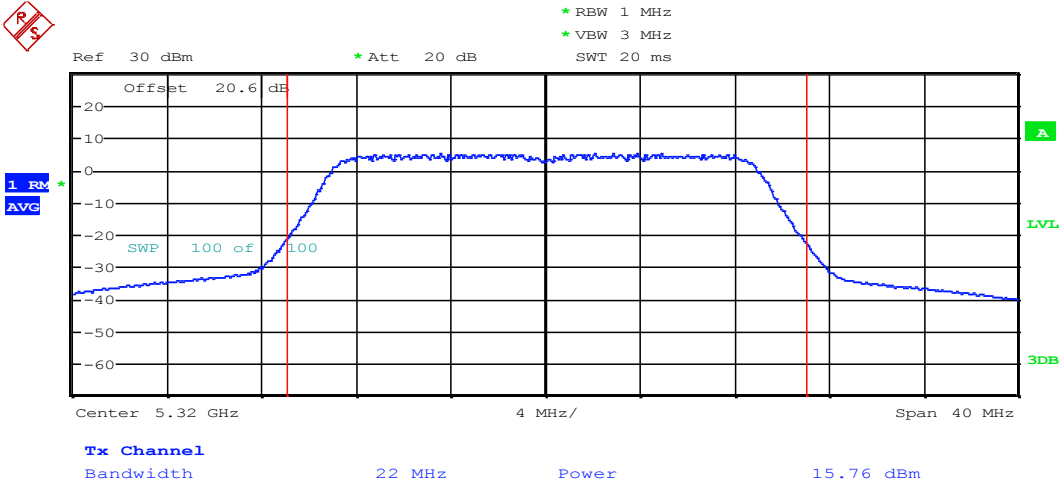
Date: 5.MAR.2014 22:01:04

### Diagram Ch52, n-Mode



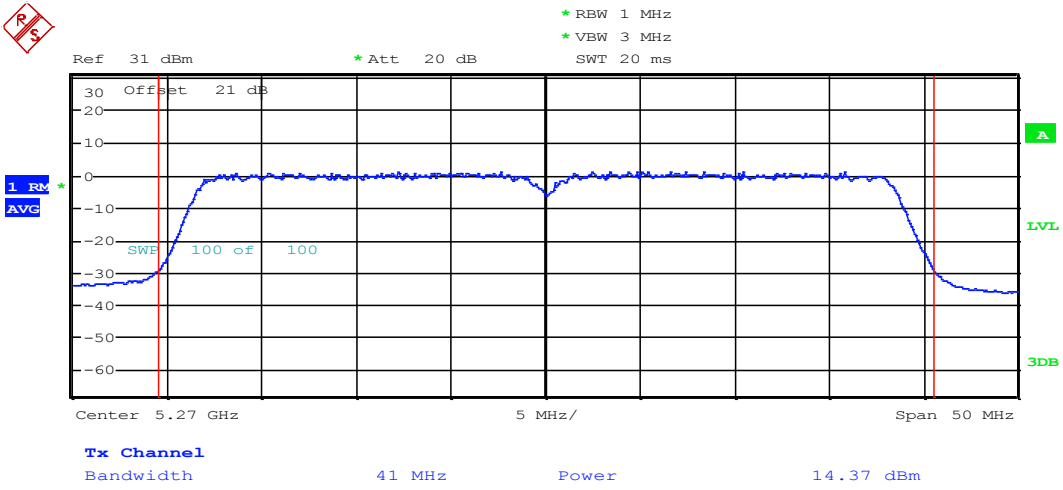
Date: 5.MAR.2014 22:02:02

### Diagram Ch60, n-Mode



Date: 5.MAR.2014 22:03:02

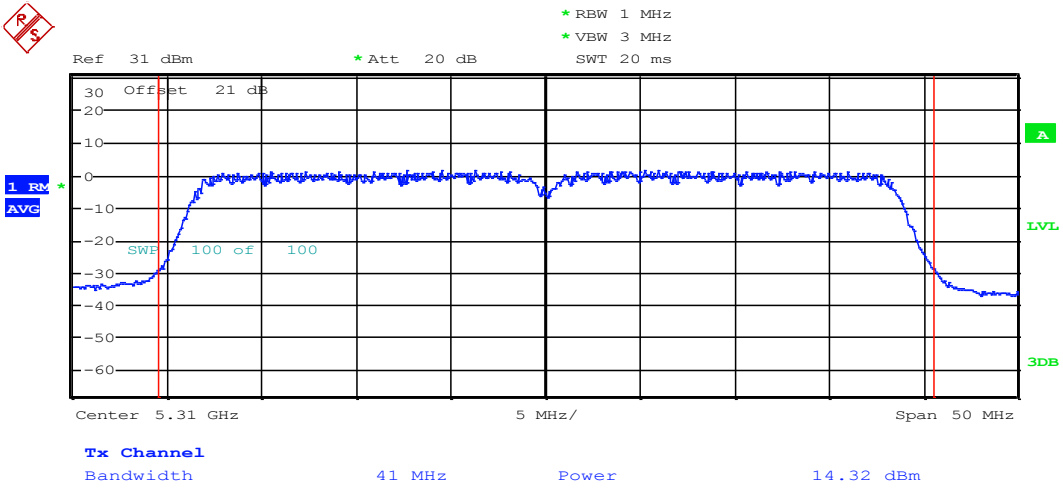
### Diagram Ch64, n-Mode



low

Date: 15.APR.2014 21:56:04

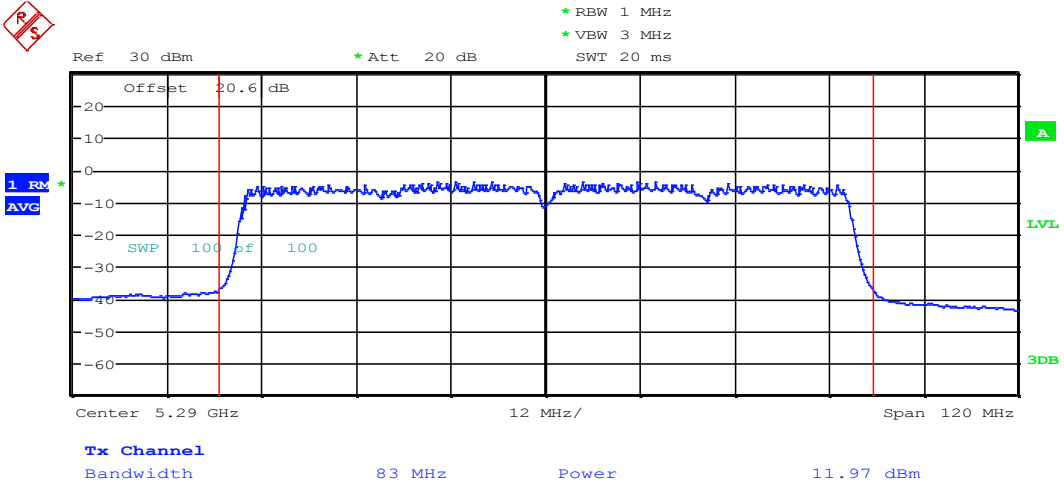
**Diagram Ch54, n40-Mode**



low

Date: 15.APR.2014 21:59:08

**Diagram Ch62, n40-Mode**



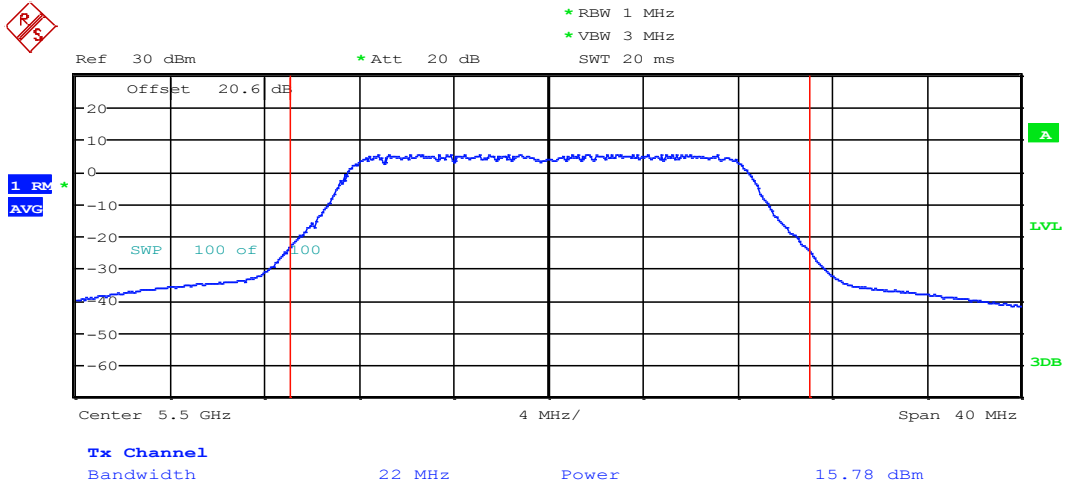
low

Date: 10.MAR.2014 20:58:12

**Diagram Ch58, AC80-Mode**

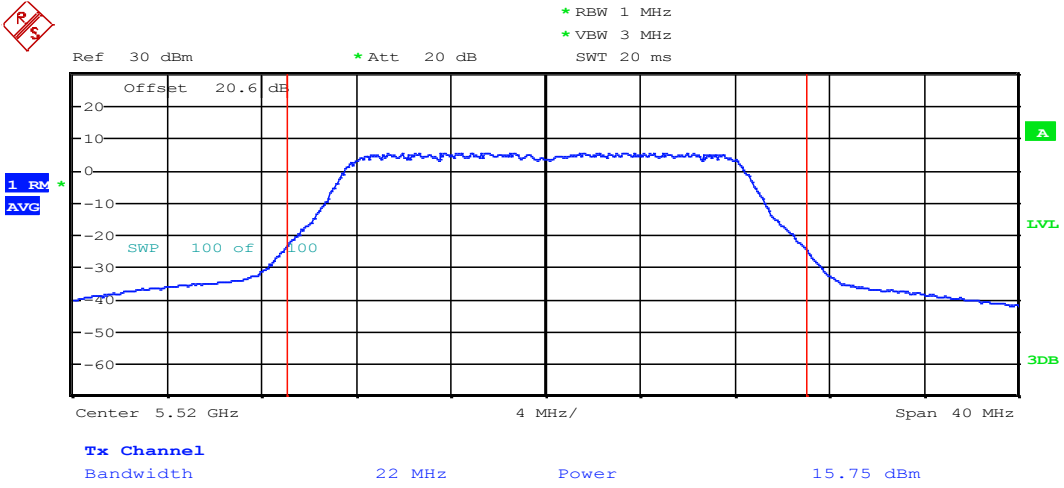


### 0.2.3. UNII-2C Band



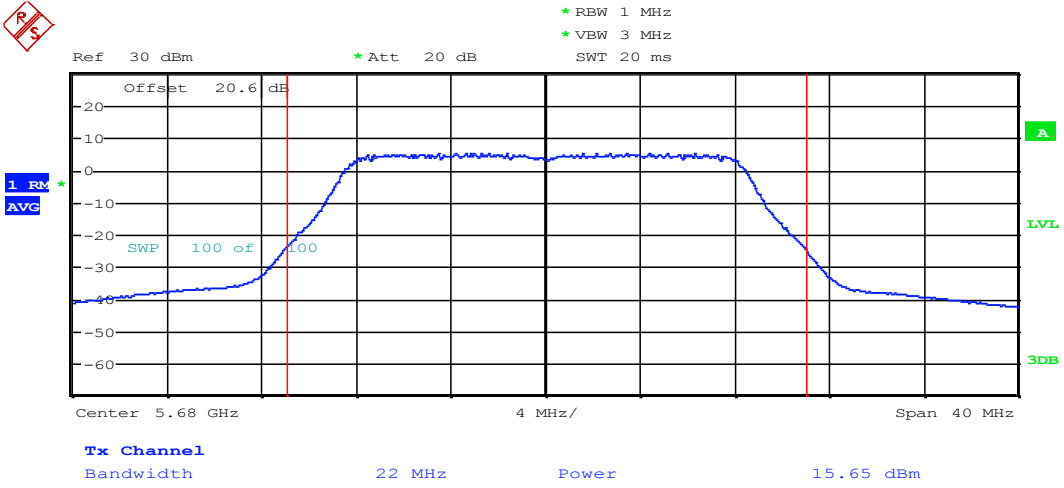
Date: 5.MAR.2014 21:19:22

Diagram Ch100, a-Mode



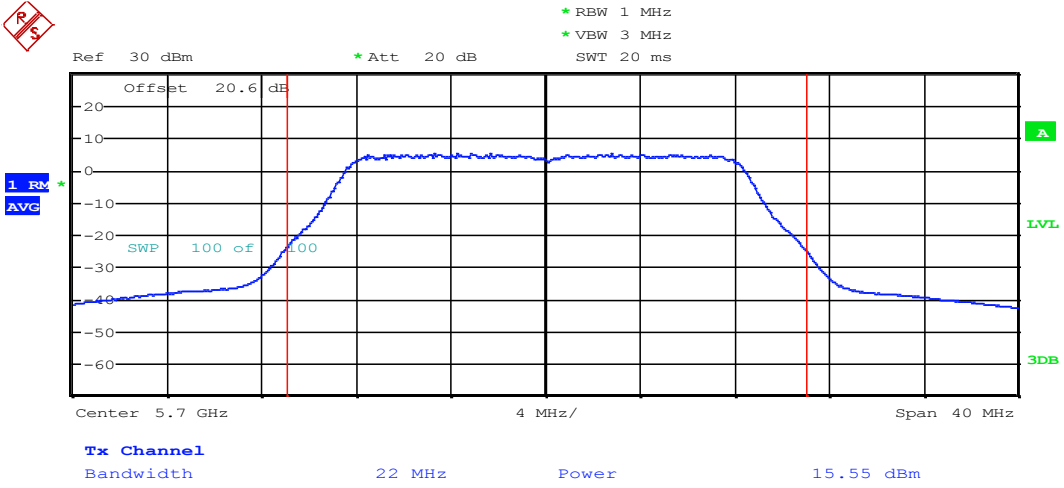
Date: 5.MAR.2014 21:21:28

**Diagram Ch104, a-Mode**



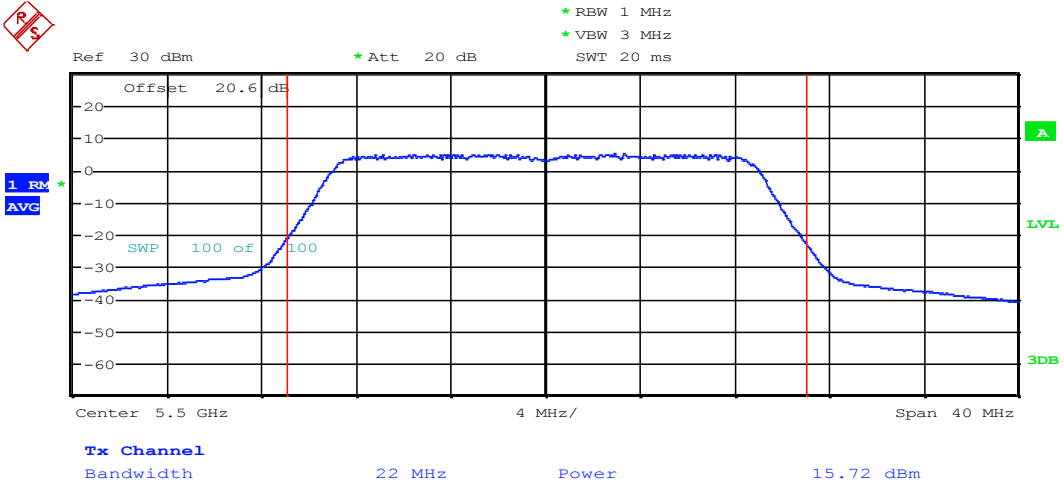
Date: 5.MAR.2014 21:30:02

**Diagram Ch136, a-Mode**



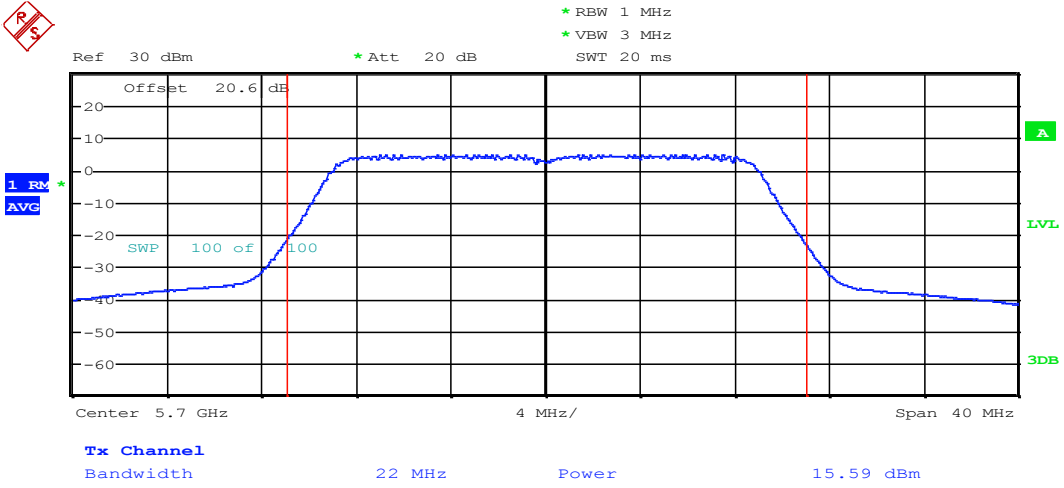
Date: 5.MAR.2014 21:31:16

**Diagram Ch140, a-Mode**



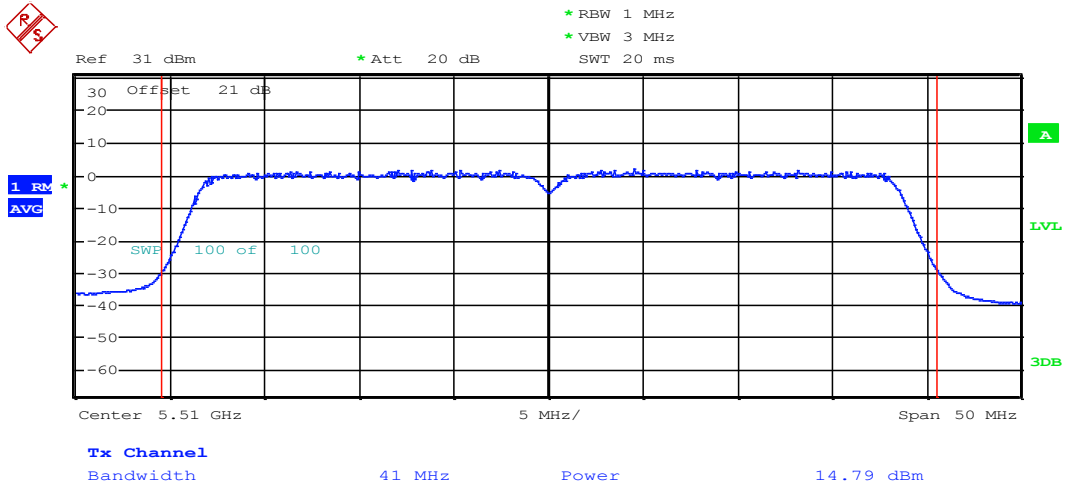
Date: 5.MAR.2014 22:03:51

**Diagram Ch100, n-Mode**



Date: 5.MAR.2014 22:05:22

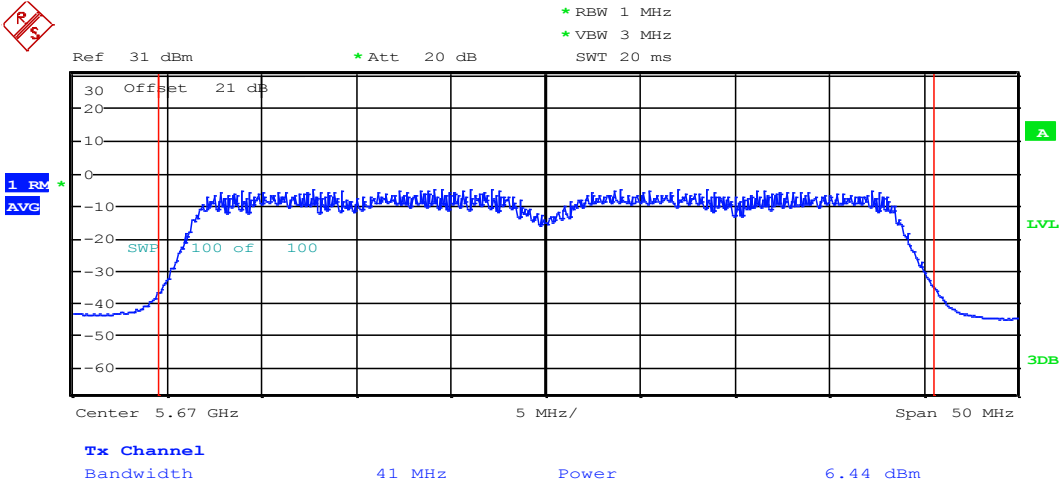
**Diagram Ch140, n-Mode**



low

Date: 15.APR.2014 22:03:49

**Diagram Ch102, n40-Mode**

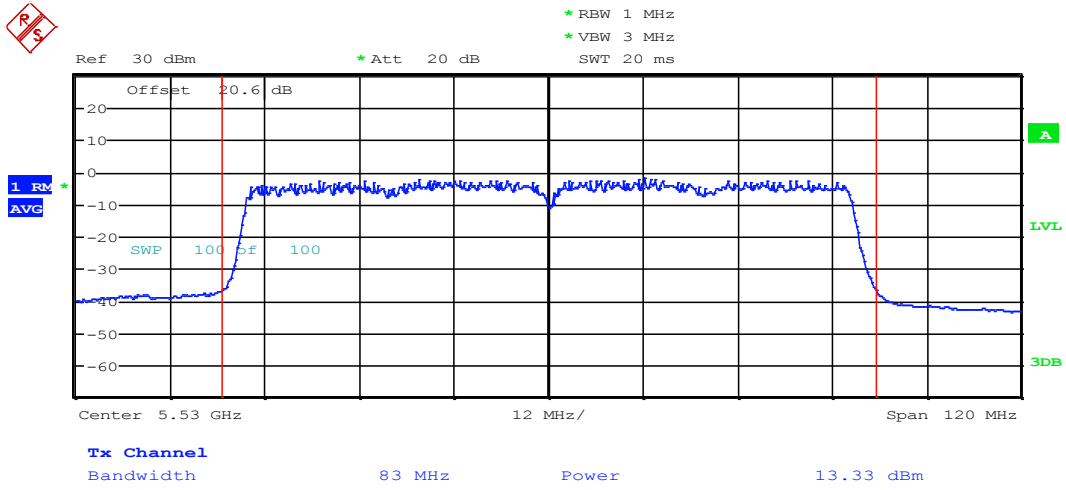


low

Date: 15.APR.2014 22:12:45

### Diagram Ch134, n40-Mode

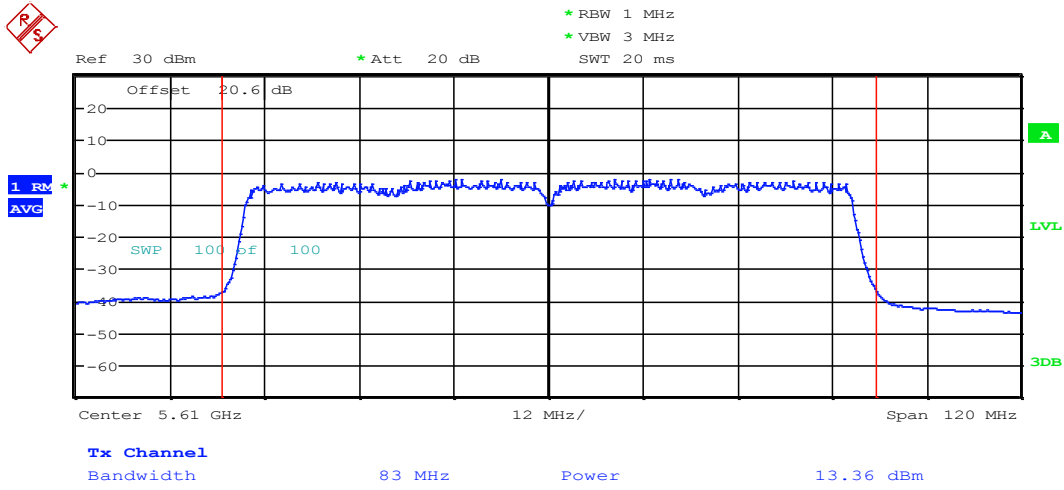




low

Date: 10.MAR.2014 21:00:29

**Diagram Ch106, AC80-Mode**

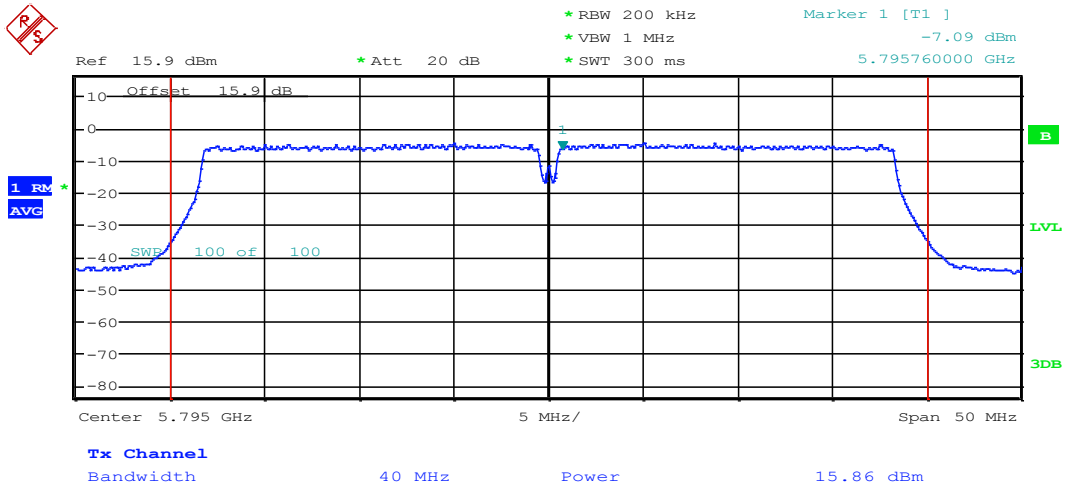


low

Date: 10.MAR.2014 21:03:52

**Diagram Ch122, AC80-Mode**

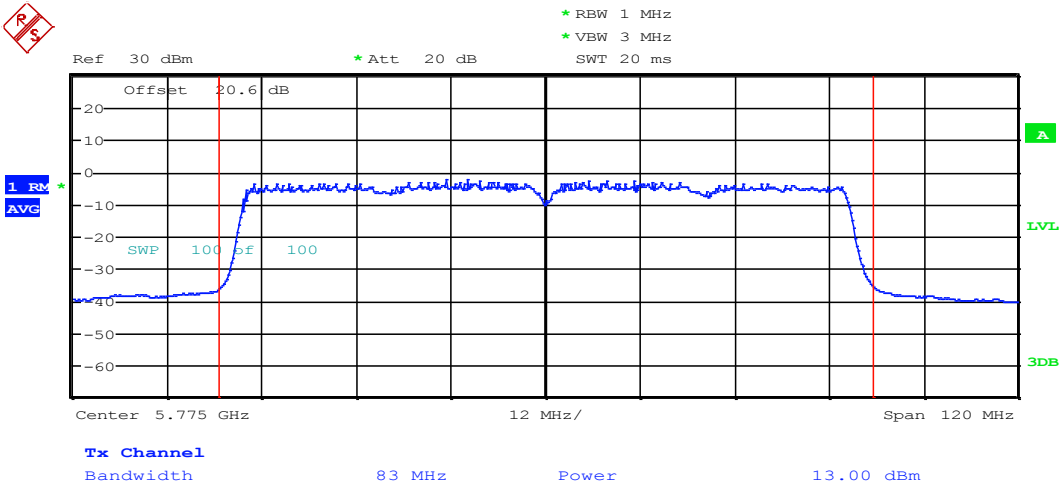
## 0.2.4. UNII-3 Band



low

Date: 23.MAY.2014 18:32:15

**Diagram Ch159, N40-Mode**



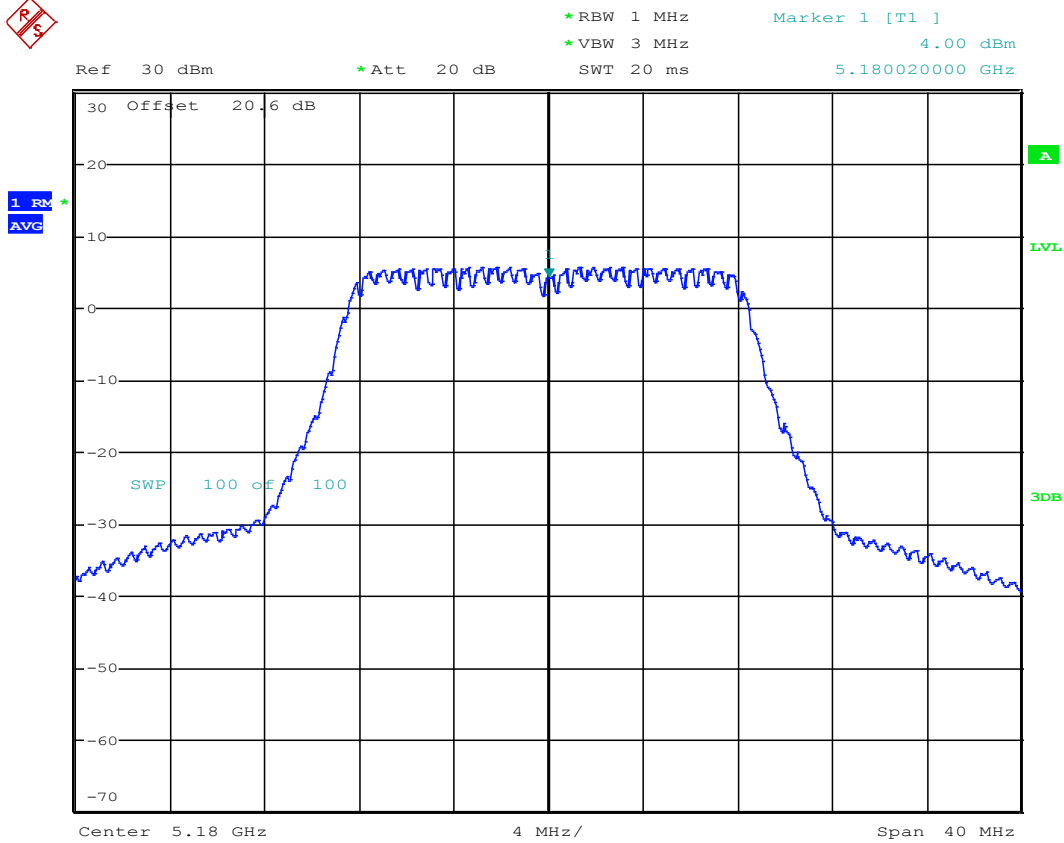
low

Date: 10.MAR.2014 21:09:39

**Diagram Ch155, AC80-Mode**

### 0.3. Power spectral density

#### 0.3.1. UNII-1 Band

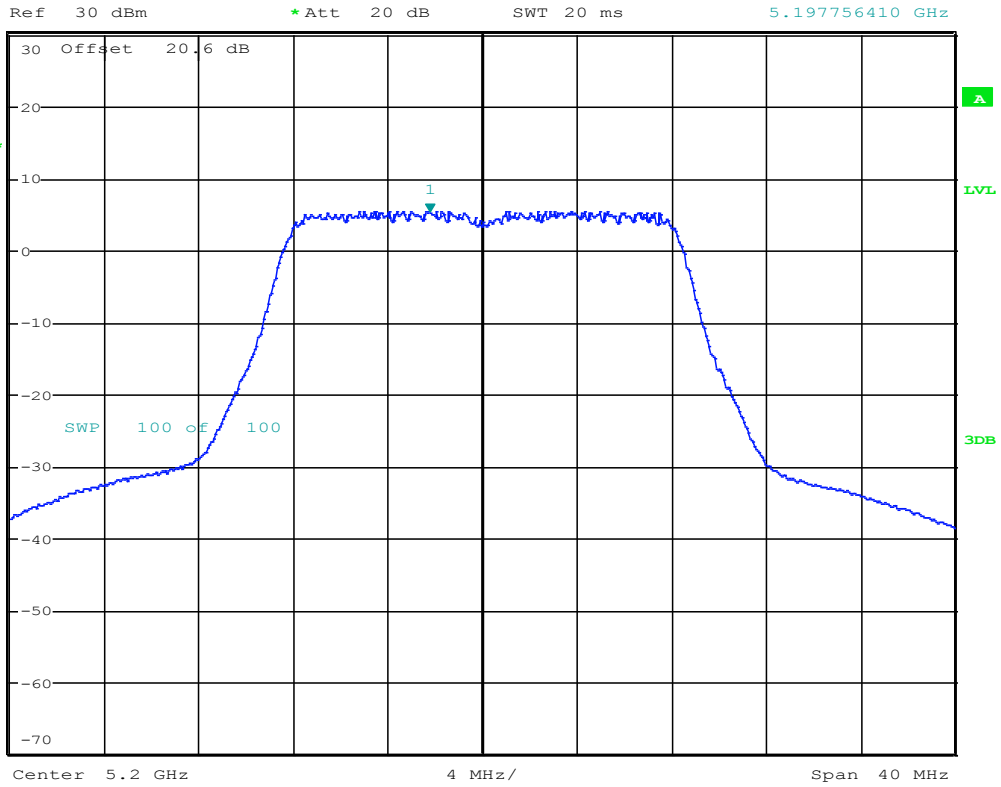


Date: 6.MAR.2014 00:04:55

Diagram Ch36, a-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.13 dBm  
SWT 20 ms      5.197756410 GHz

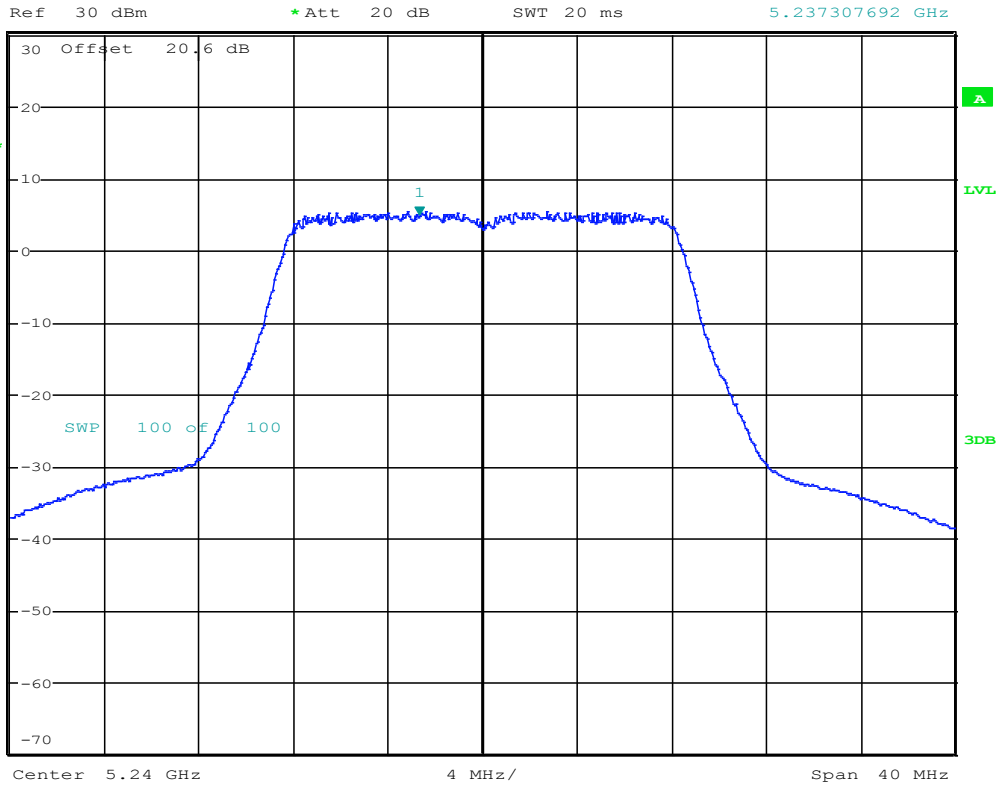


Date: 6.MAR.2014 18:31:54

### Diagram Ch40, a-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.72 dBm  
SWT 20 ms      5.237307692 GHz



Date: 6.MAR.2014 18:39:46

### Diagram Ch48, a-Mode

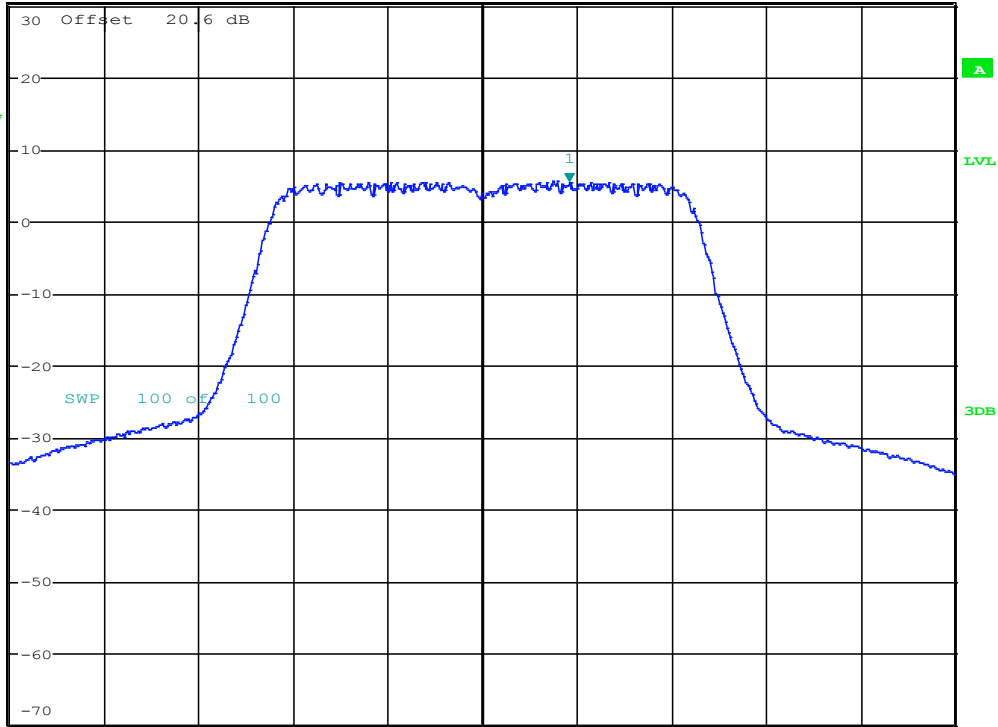


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.22 dBm  
SWT 20 ms      5.183653846 GHz

Ref 30 dBm

\*Att 20 dB

1 RM  
AVG



Center 5.18 GHz

4 MHz/

Span 40 MHz

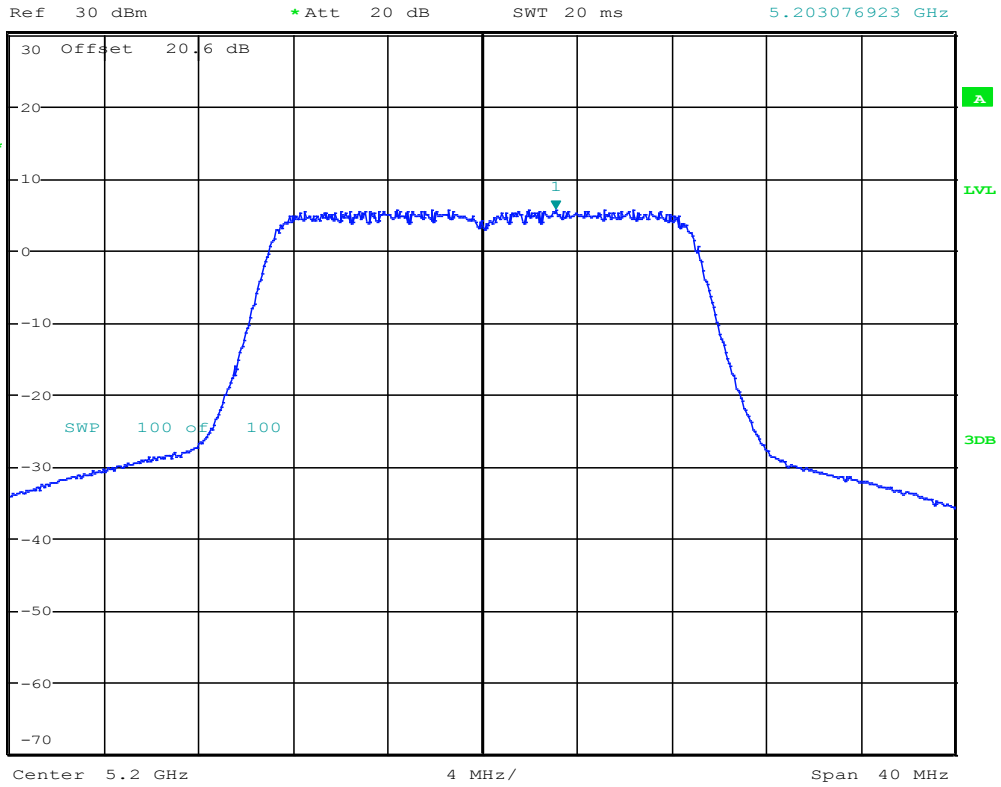
Date: 6.MAR.2014 19:01:51

### Diagram Ch36, n-Mode





\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.48 dBm  
SWT 20 ms      5.203076923 GHz

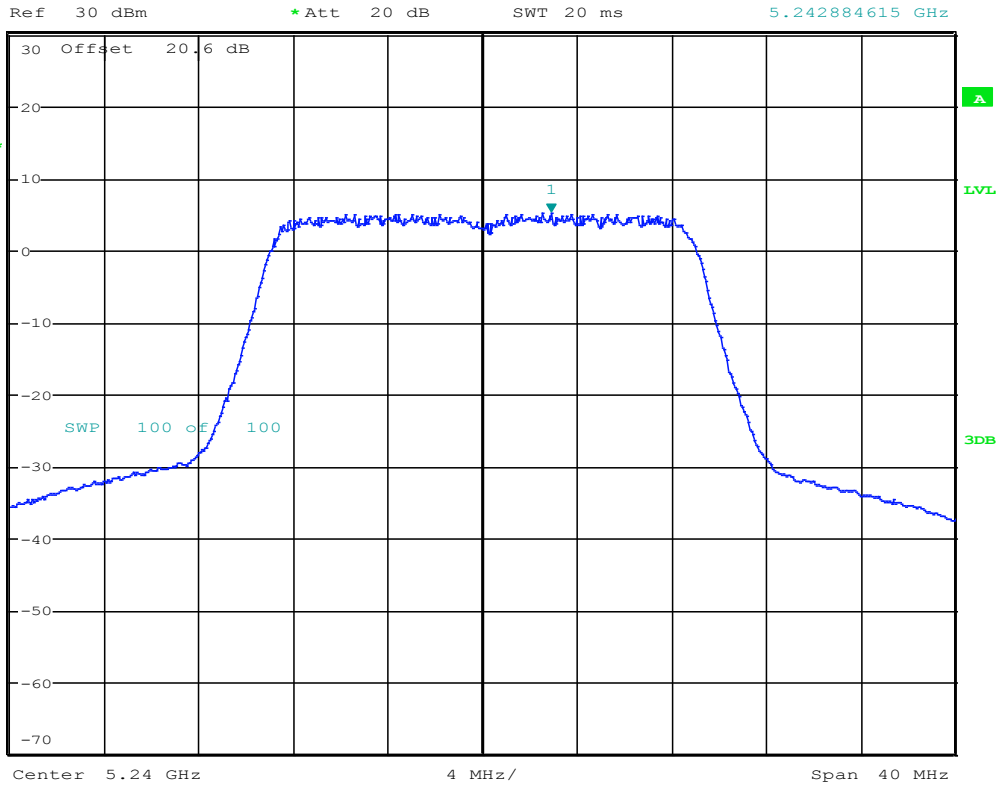


Date: 6.MAR.2014 19:05:34

### Diagram Ch40, n-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.07 dBm  
SWT 20 ms      5.242884615 GHz

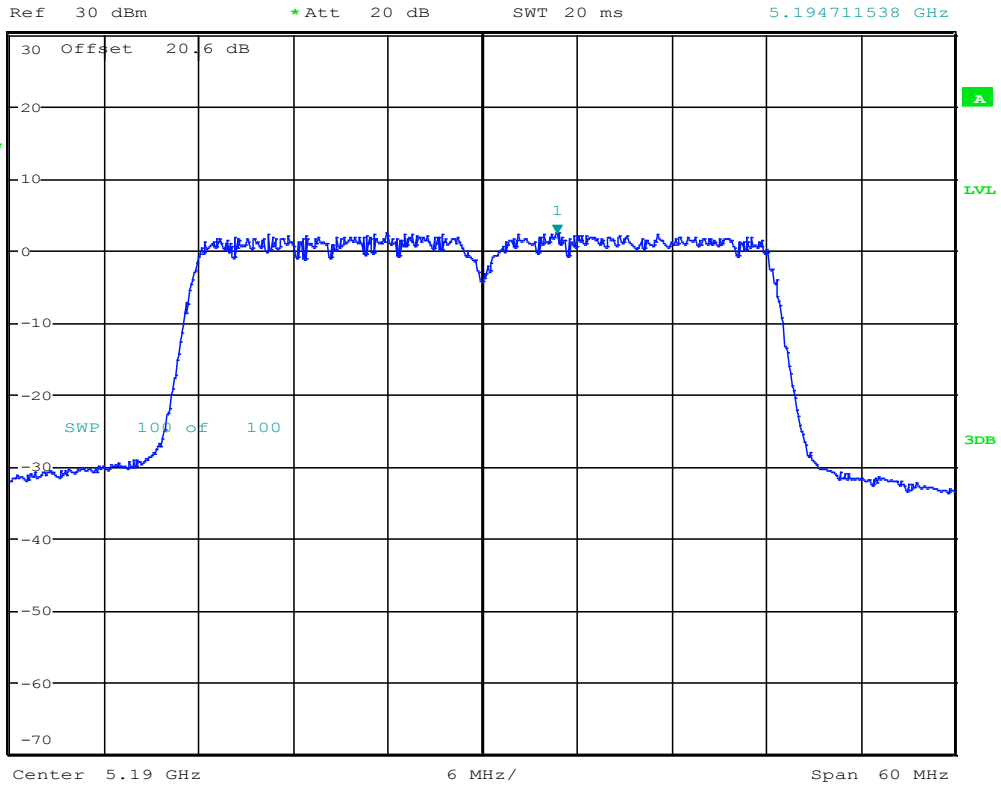


Date: 6.MAR.2014 19:13:54

### Diagram Ch48, n-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.11 dBm  
SWT 20 ms      5.194711538 GHz

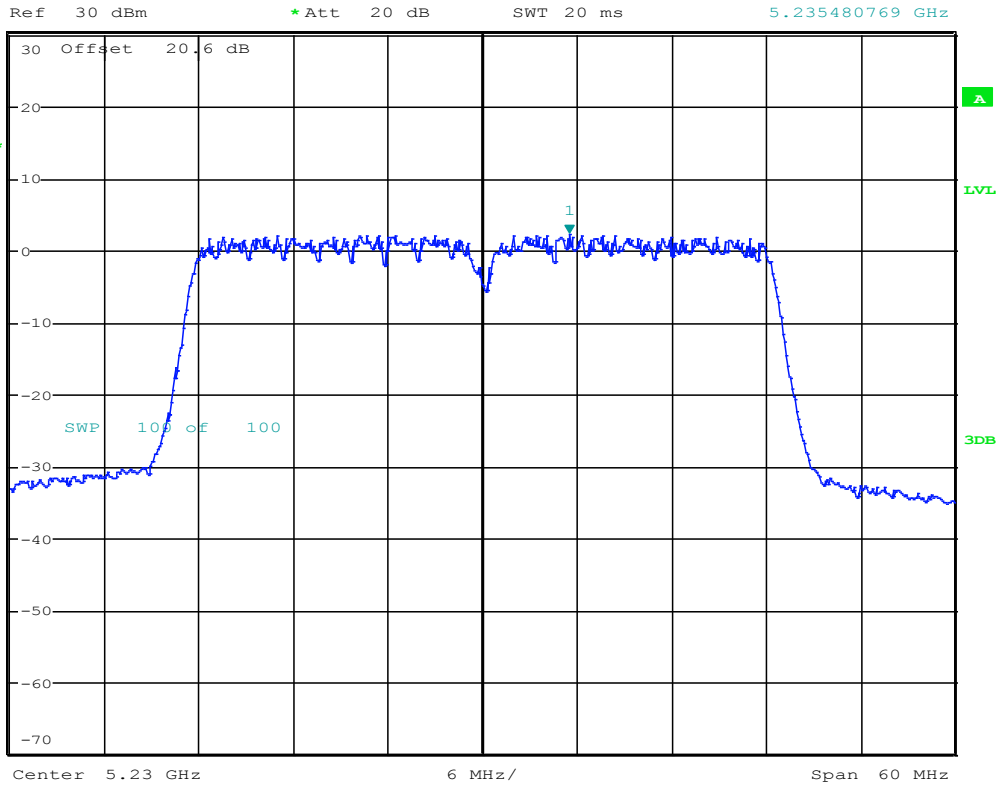


Date: 6.MAR.2014 19:22:26

### Diagram Ch38, n40-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.18 dBm  
SWT 20 ms      5.235480769 GHz



Date: 6.MAR.2014 19:23:52

### Diagram Ch46, n40-Mode

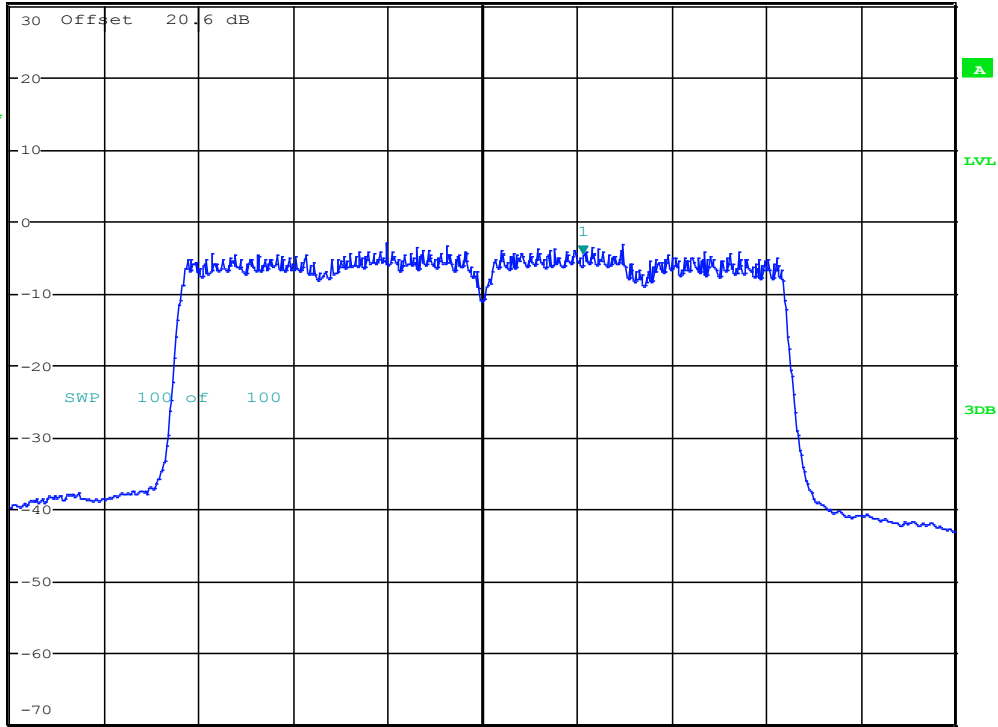


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -4.75 dBm  
SWT 20 ms      5.222692308 GHz

Ref 30 dBm

\*Att 20 dB

1 RM  
AVG

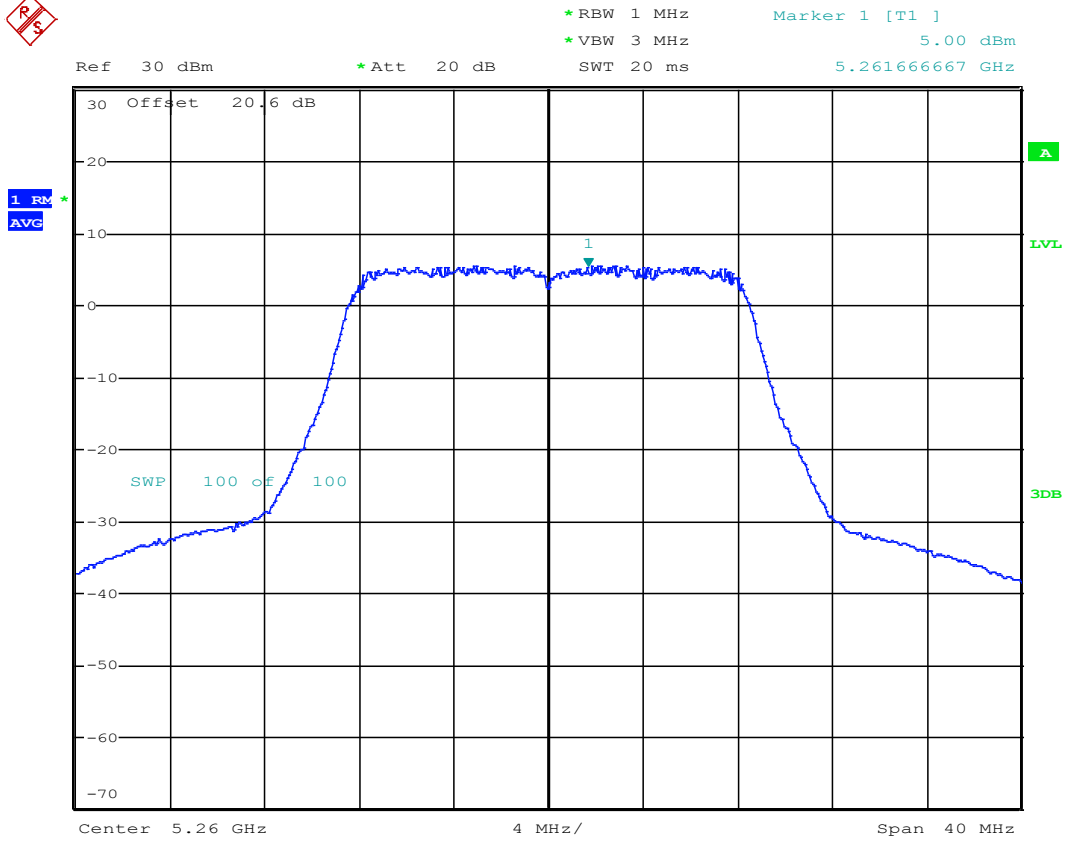


low

Date: 7.MAR.2014 23:30:32

### Diagram Ch42, AC80-Mode

### 0.3.2. UNII-2A Band

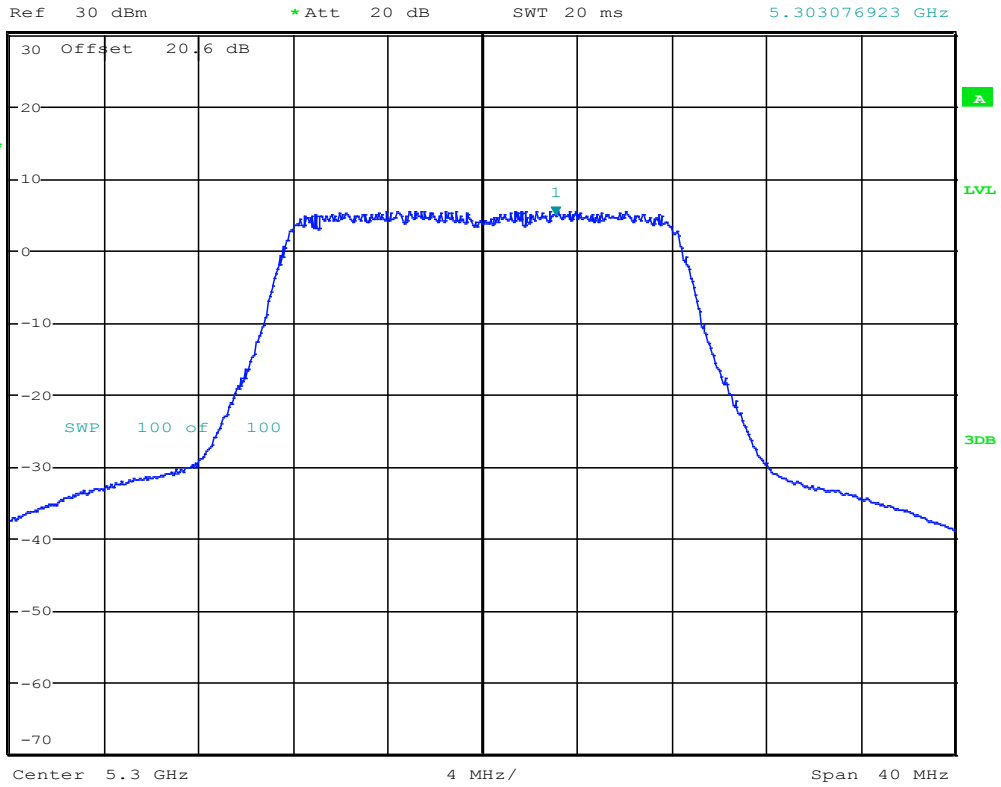


Date: 6.MAR.2014 18:41:37

Diagram Ch52, a-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.76 dBm  
SWT 20 ms      5.303076923 GHz



Date: 6.MAR.2014 18:46:56

### Diagram Ch60, a-Mode

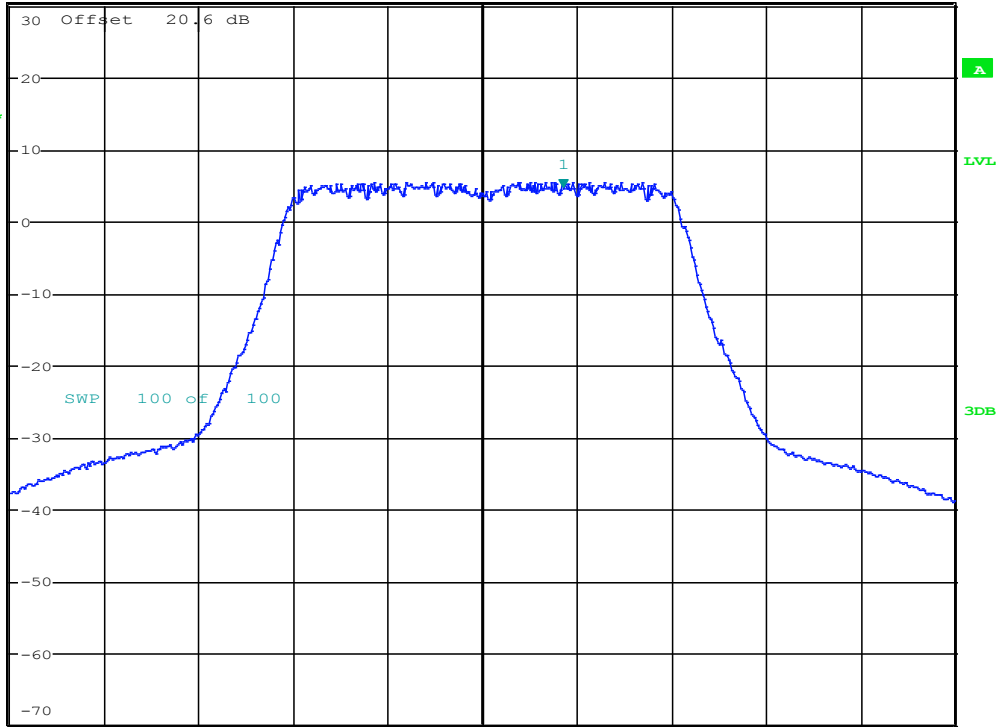


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.51 dBm  
SWT 20 ms      5.323397436 GHz

Ref 30 dBm

\*Att 20 dB

1 RM  
AVG



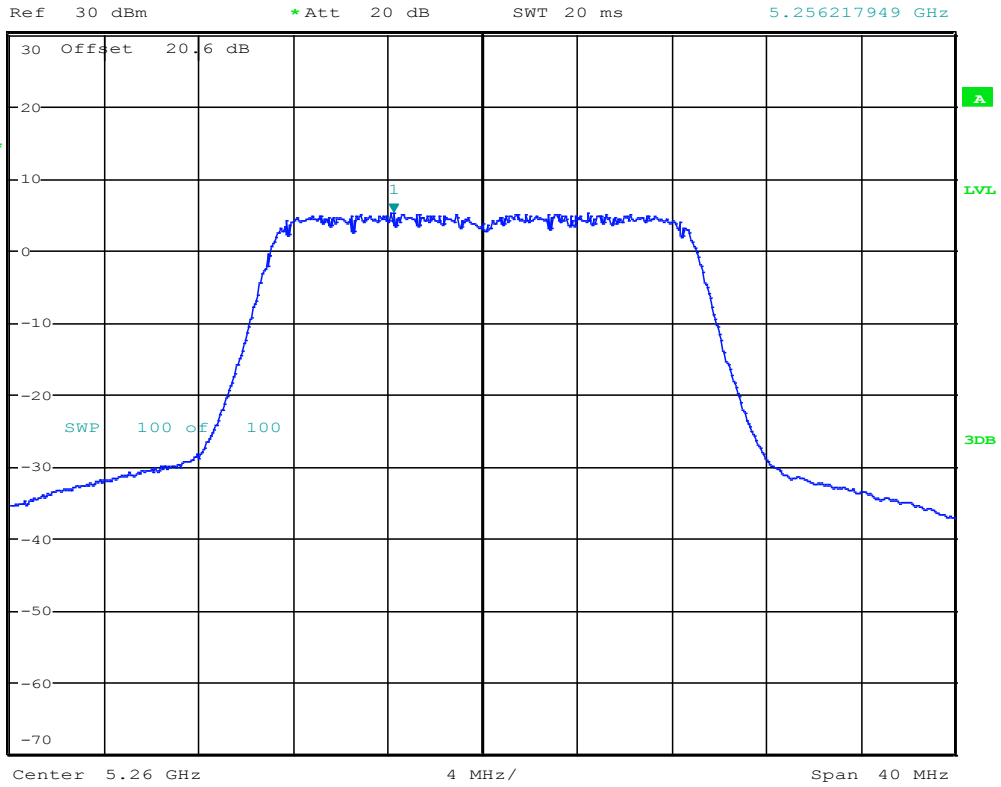
Date: 6.MAR.2014 18:48:28

### Diagram Ch64, a-Mode





\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.10 dBm  
SWT 20 ms      5.256217949 GHz

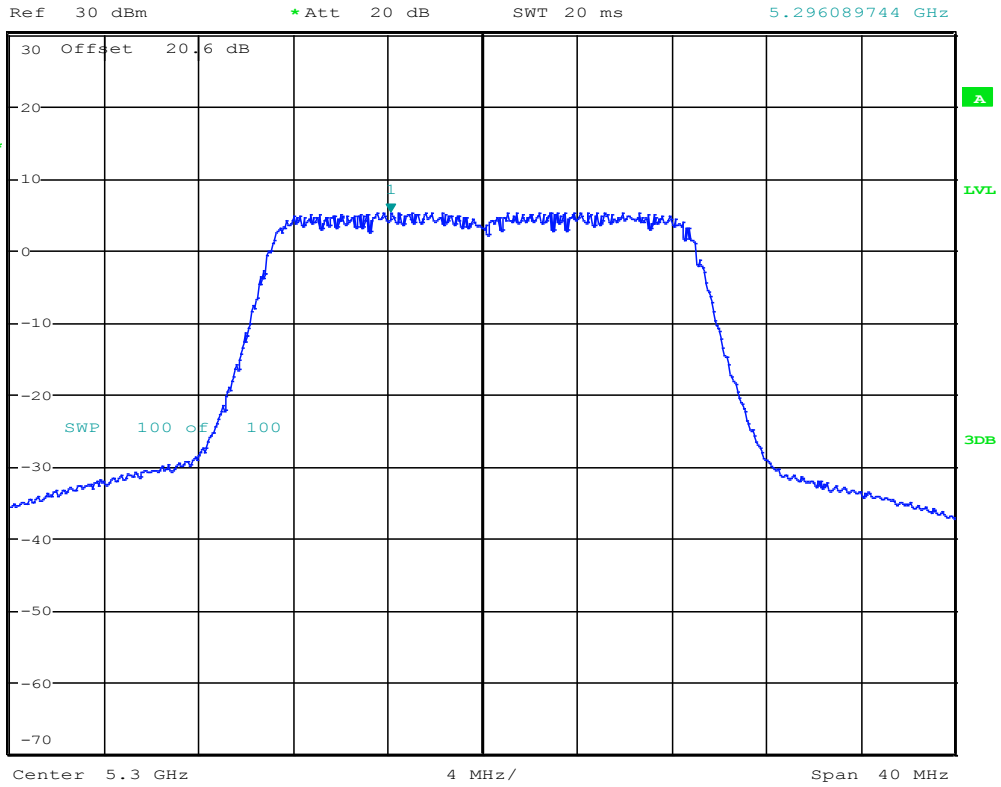


Date: 6.MAR.2014 19:16:05

### Diagram Ch52, n-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.14 dBm  
SWT 20 ms      5.296089744 GHz

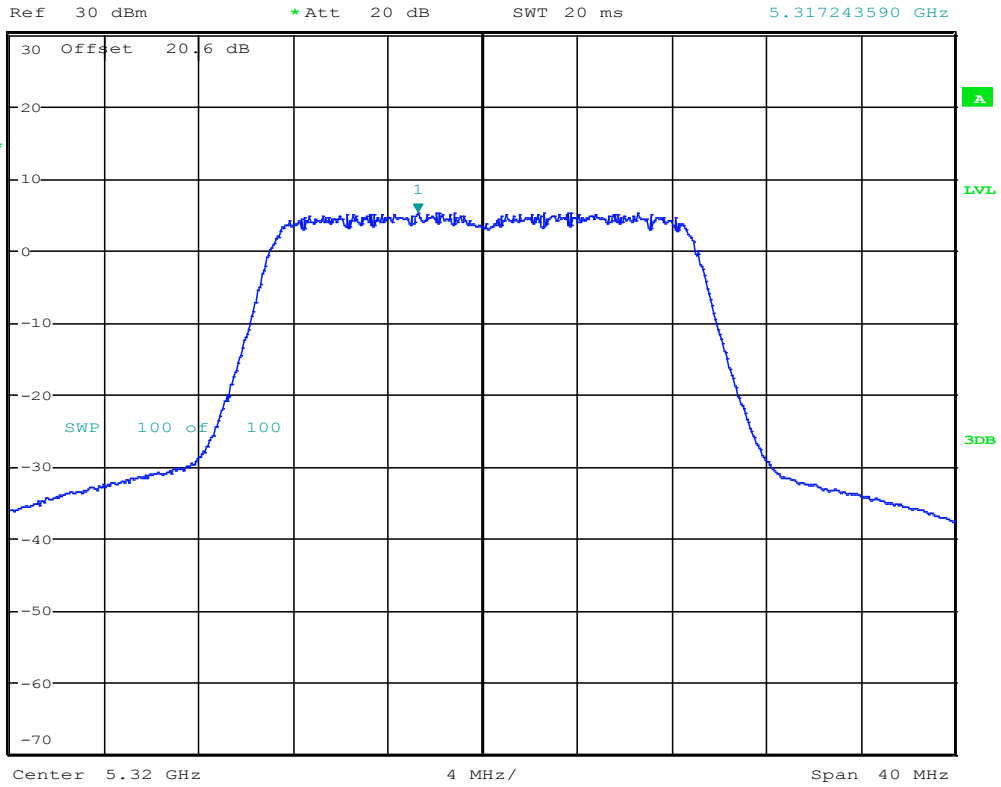


Date: 6.MAR.2014 19:17:25

### Diagram Ch60, n-Mode

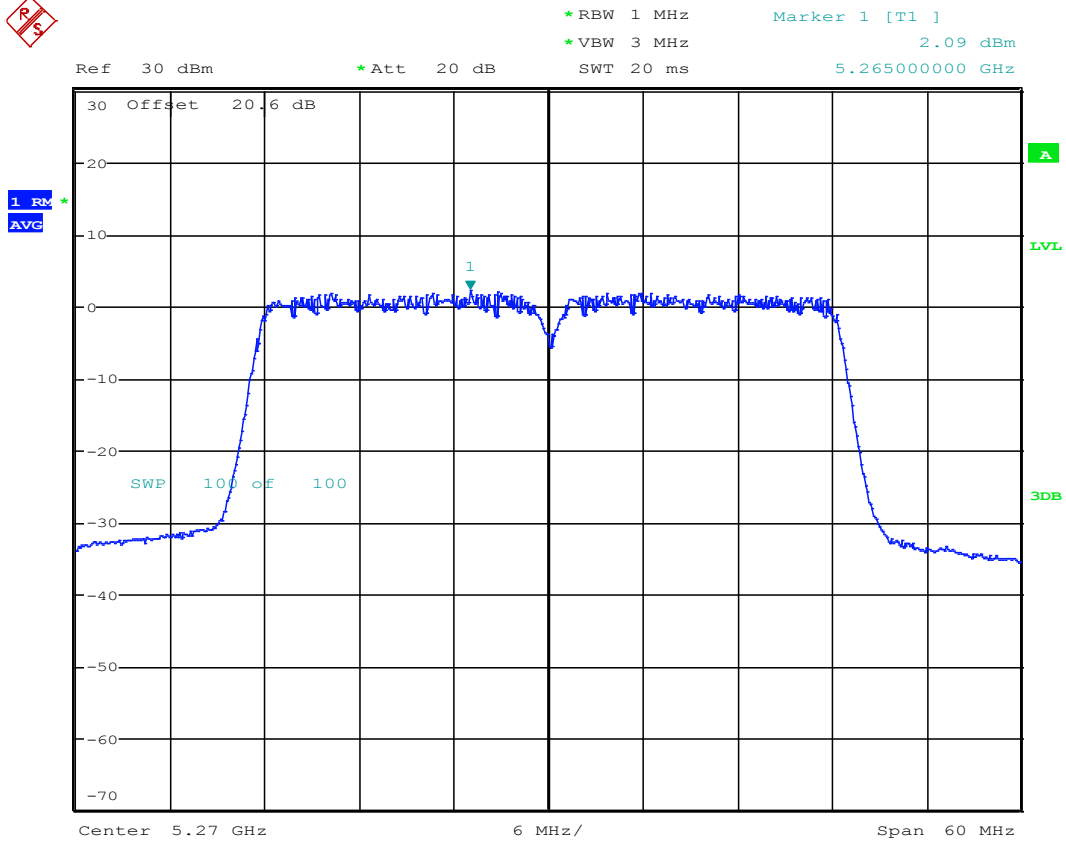


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.06 dBm  
SWT 20 ms      5.317243590 GHz



Date: 6.MAR.2014 19:18:30

### Diagram Ch64, n-Mode

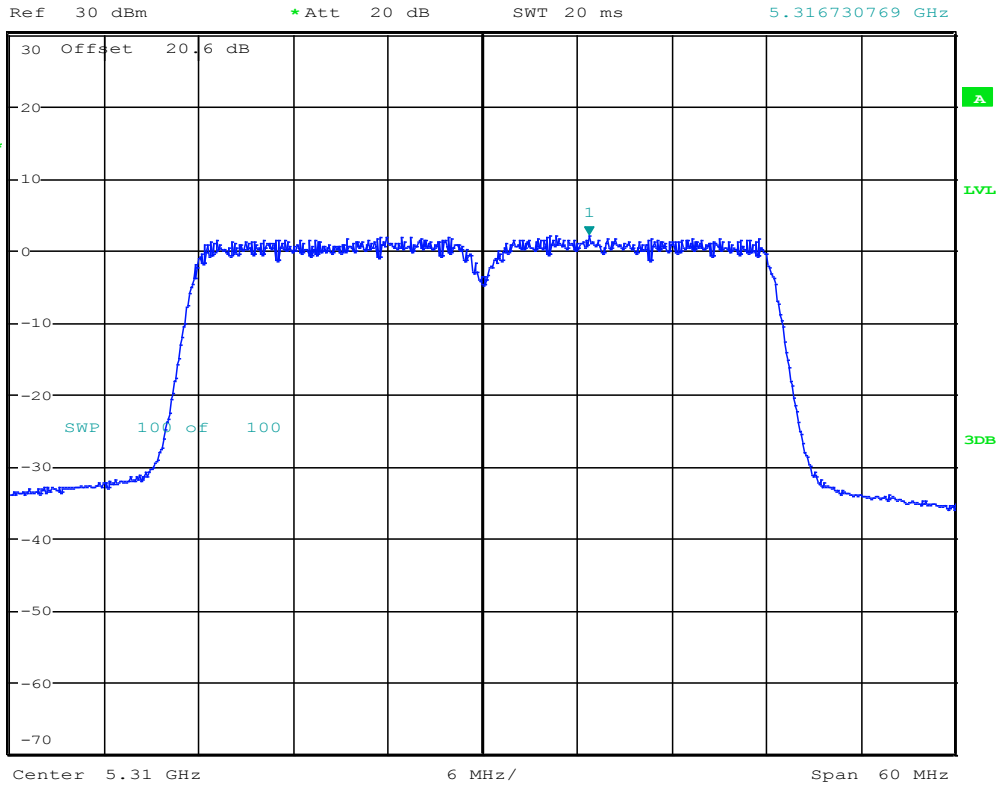


Date: 6.MAR.2014 19:27:33

### Diagram Ch54, n40-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.01 dBm  
SWT 20 ms      5.316730769 GHz

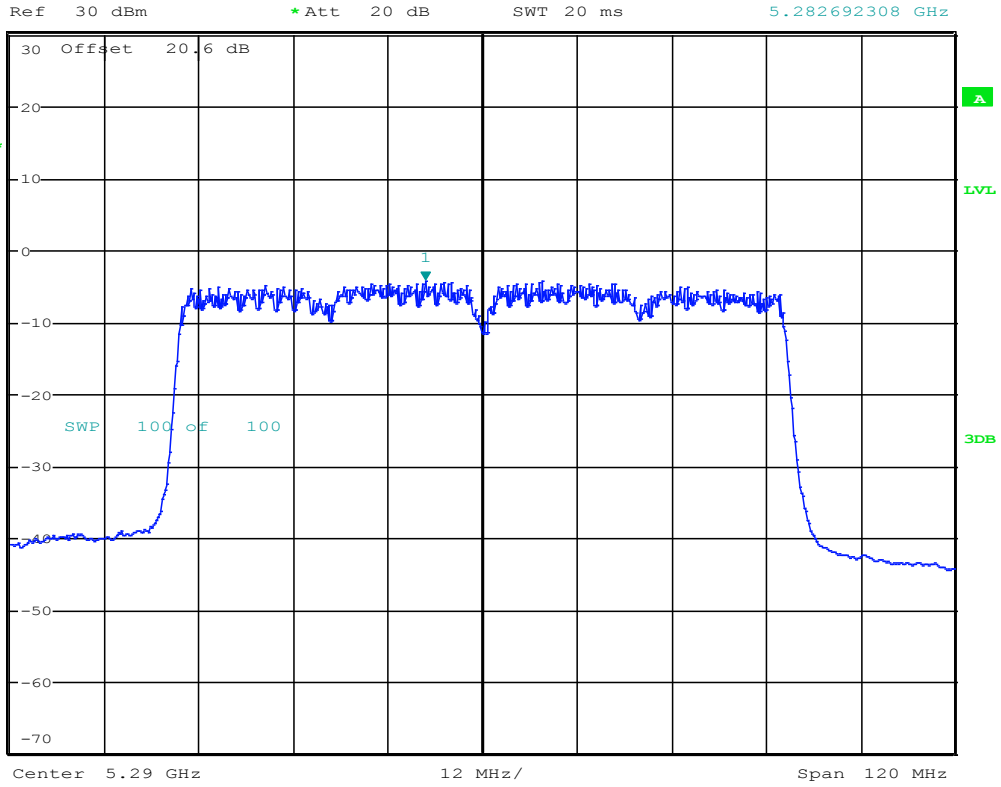


Date: 6.MAR.2014 19:29:02

### Diagram Ch62, n40-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -4.28 dBm  
SWT 20 ms      5.282692308 GHz

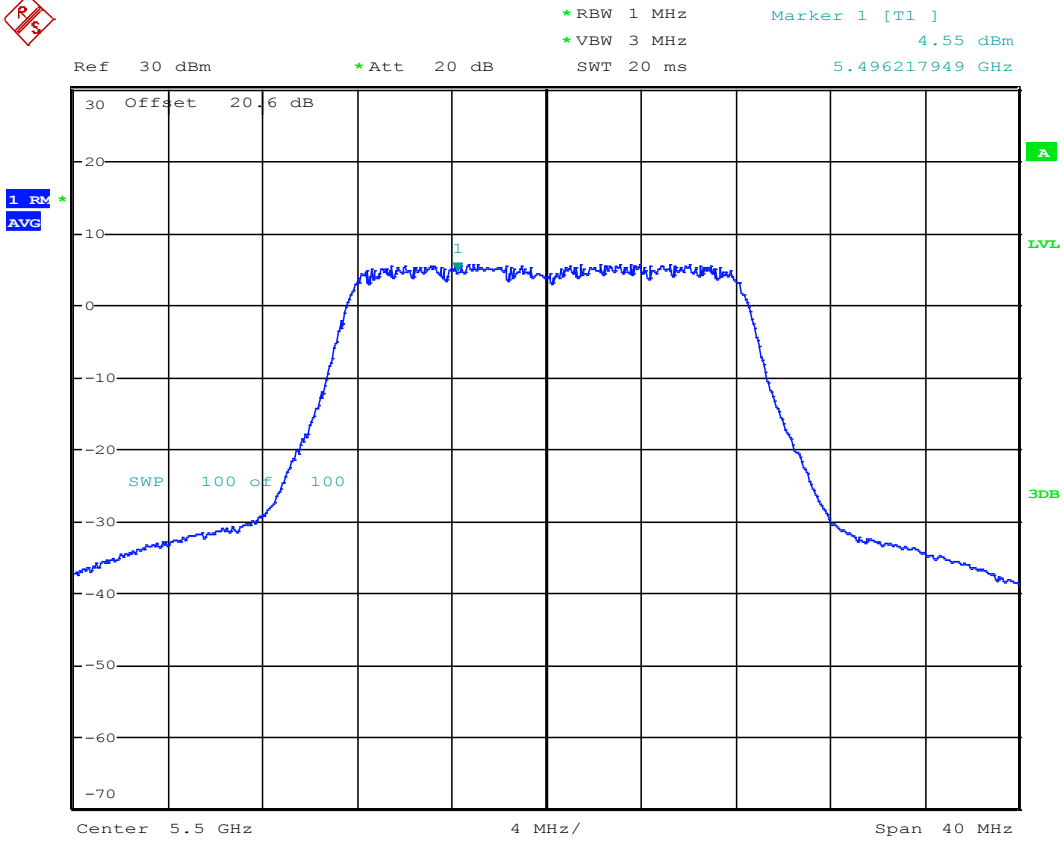


low

Date: 7.MAR.2014 23:31:40

### Diagram Ch58, AC80-Mode

### 0.3.3. UNII-2C Band

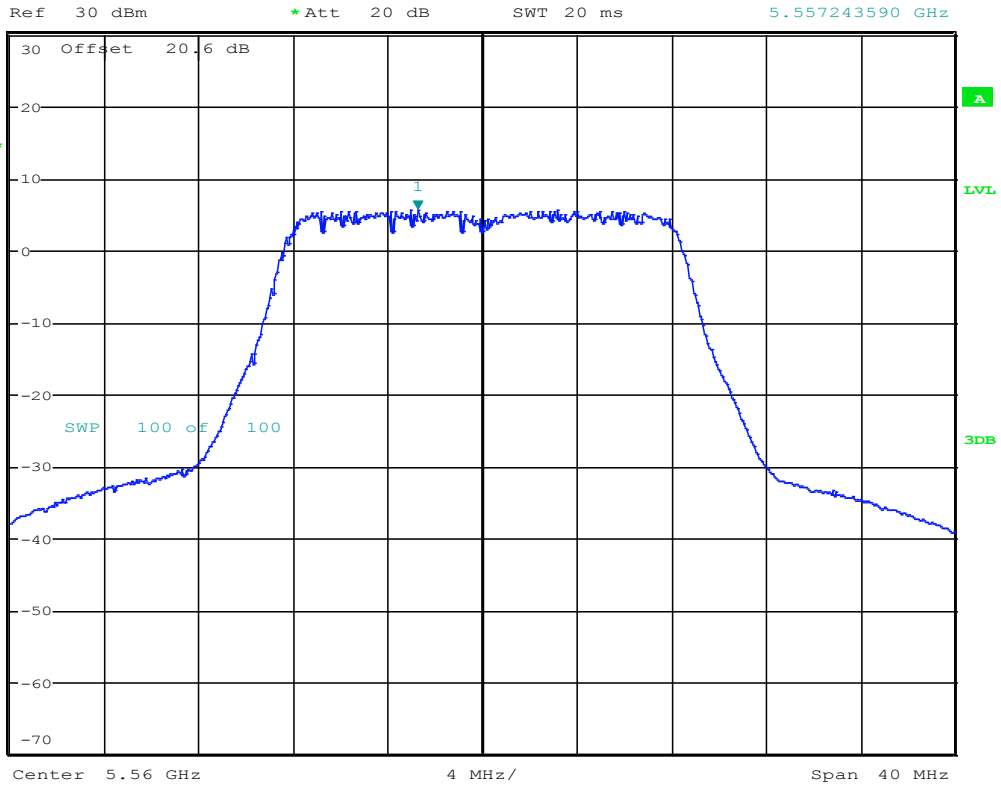


Date: 6.MAR.2014 18:57:04

Diagram Ch100, a-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.51 dBm  
SWT 20 ms      5.557243590 GHz



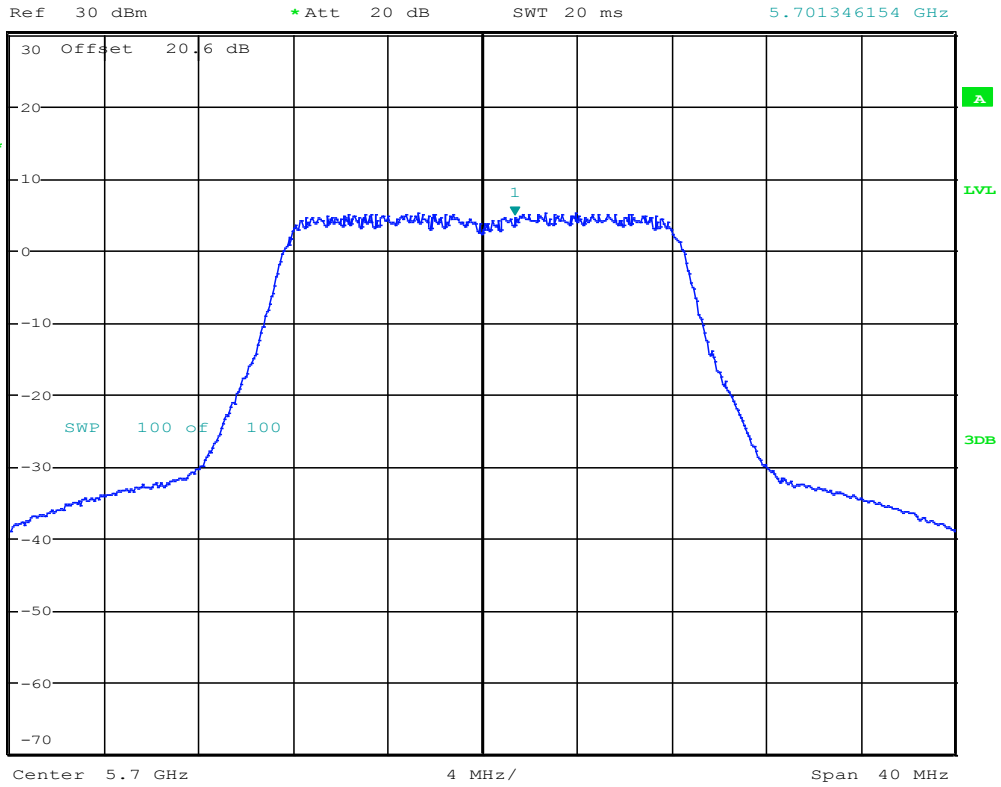
Date: 6.MAR.2014 19:40:29

### Diagram Ch112, a-Mode





\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.58 dBm  
SWT 20 ms      5.701346154 GHz

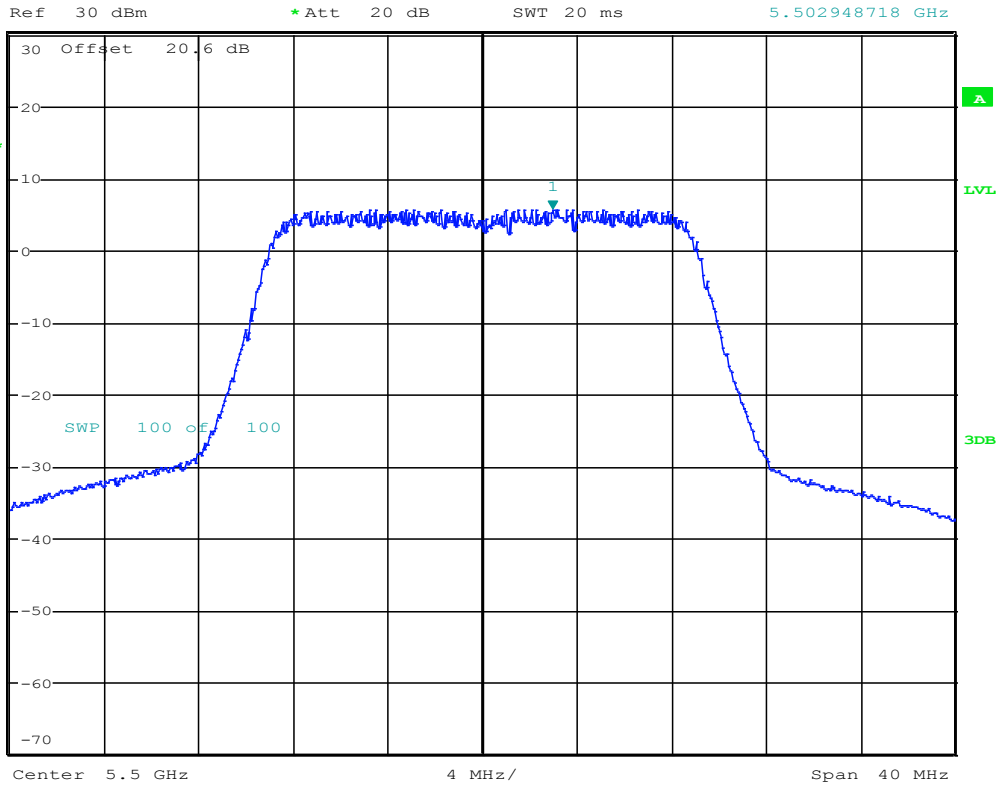


Date: 6.MAR.2014 18:57:57

### Diagram Ch140, a-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.46 dBm  
SWT 20 ms      5.502948718 GHz



Date: 6.MAR.2014 19:19:07

### Diagram Ch100, n-Mode

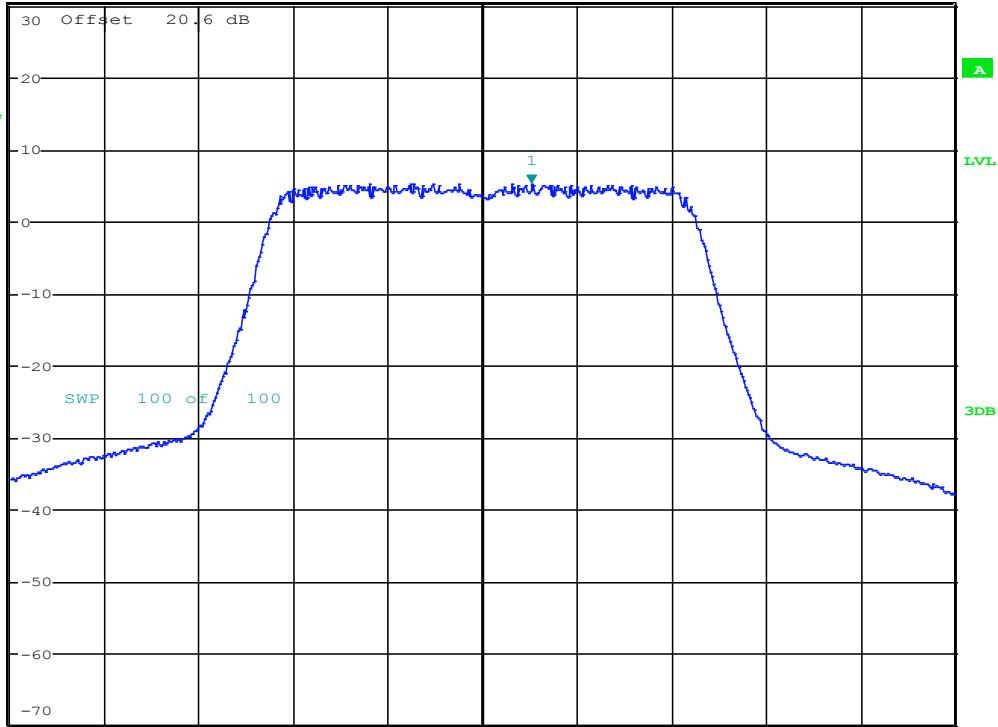


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      5.08 dBm  
SWT 20 ms      5.562051282 GHz

Ref 30 dBm

\*Att 20 dB

1 RM  
AVG

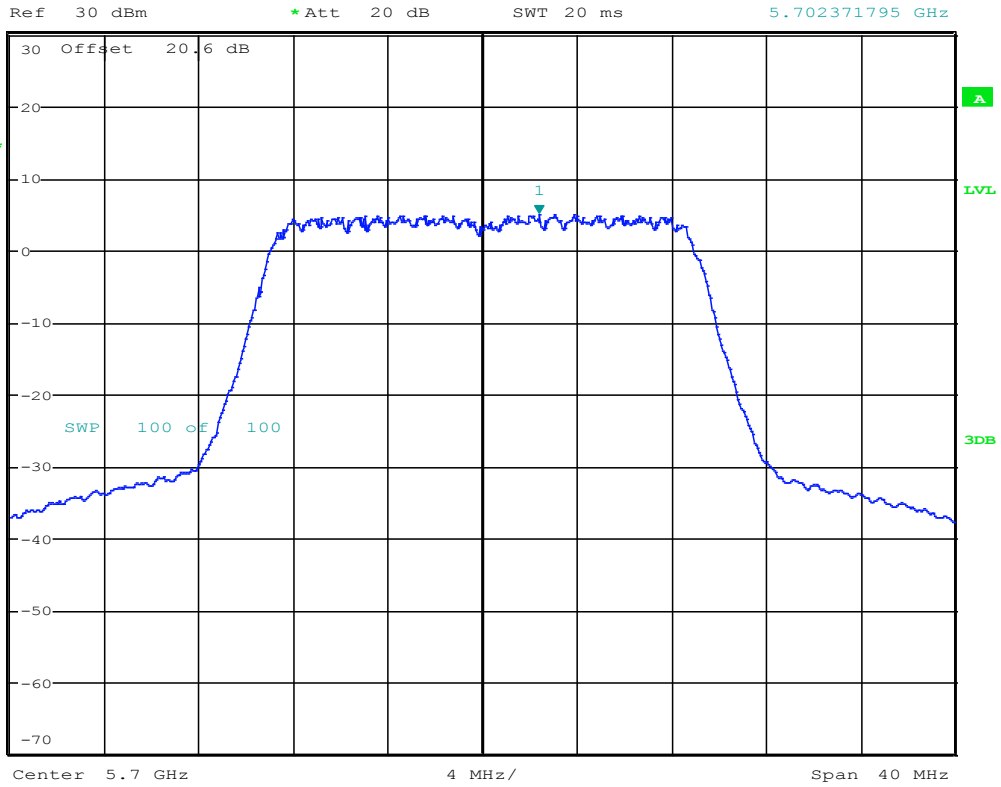


Date: 6.MAR.2014 19:39:22

### Diagram Ch112, n-Mode

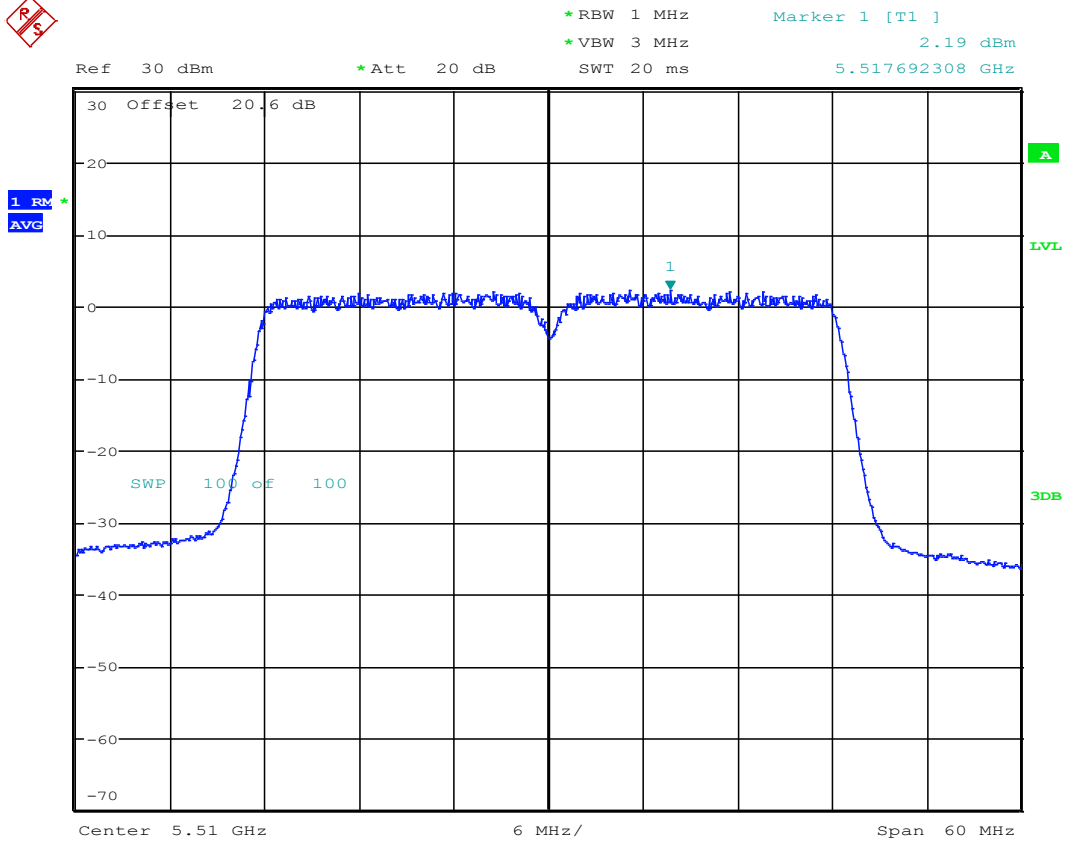


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.82 dBm  
SWT 20 ms      5.702371795 GHz



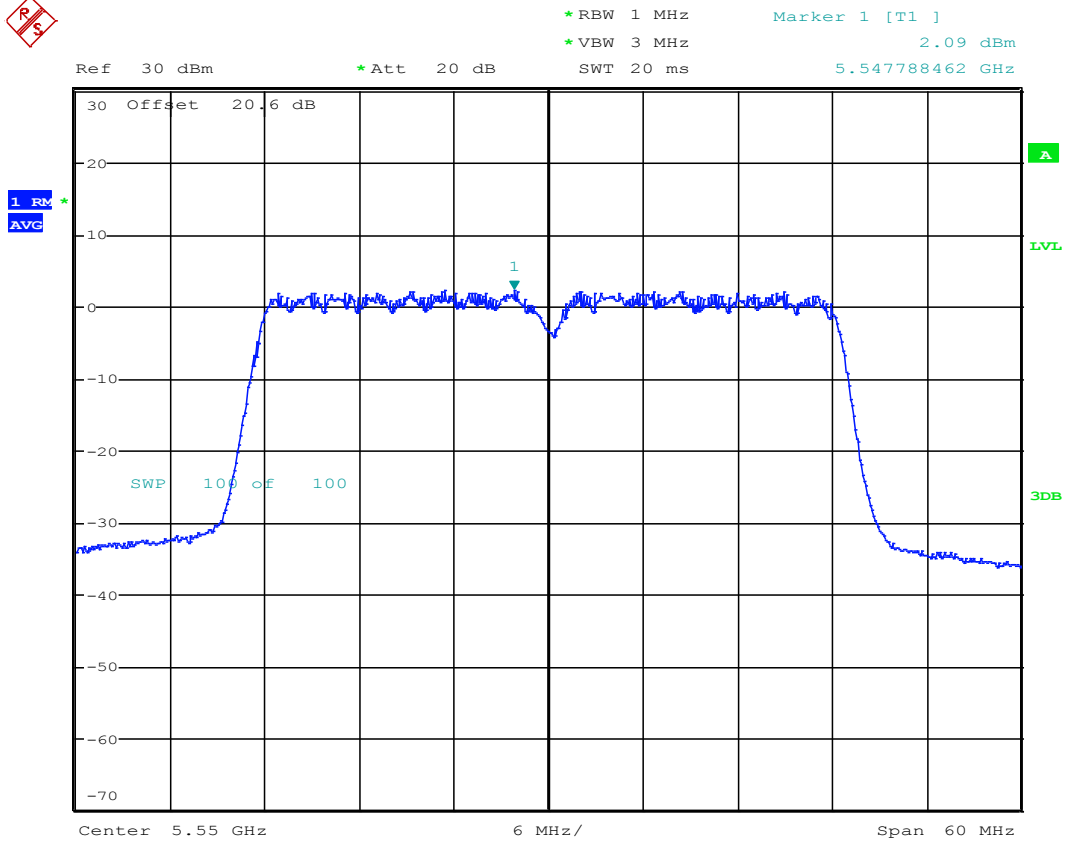
Date: 6.MAR.2014 19:20:05

### Diagram Ch140, n-Mode



Date: 6.MAR.2014 19:30:21

### Diagram Ch102, n40-Mode



Date: 6.MAR.2014 19:37:38

### Diagram Ch110, n40-Mode

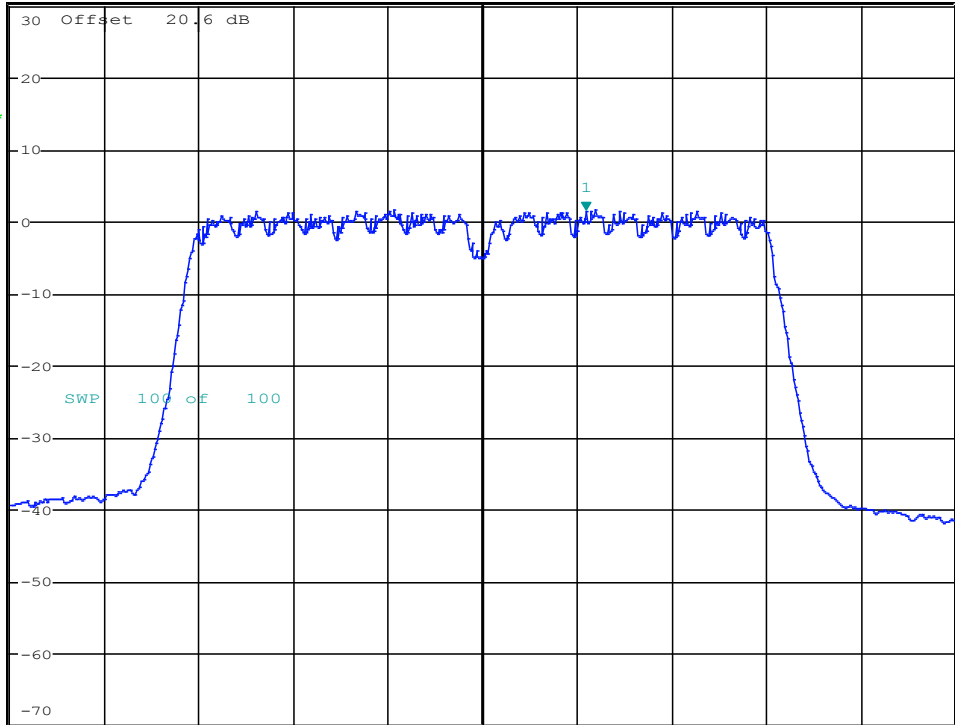


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.24 dBm  
SWT 20 ms      5.676538462 GHz

Ref 30 dBm

\*Att 20 dB

1 RM  
AVG

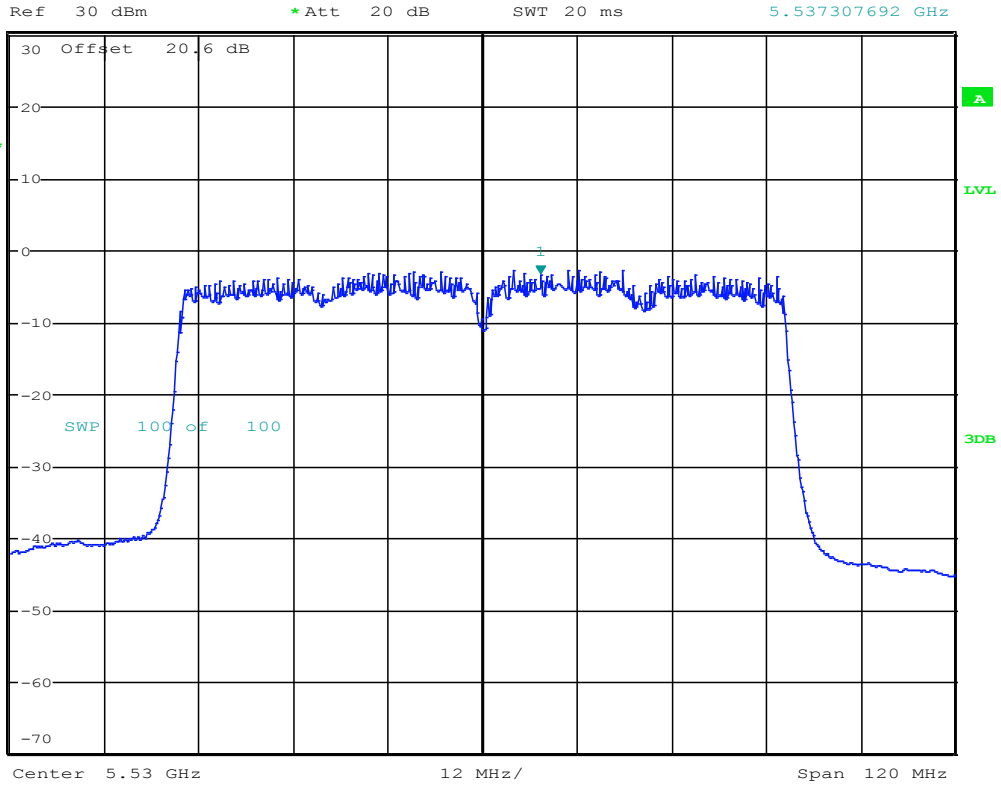


Date: 6.MAR.2014 00:03:14

### Diagram Ch134, n40-Mode



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -3.50 dBm  
SWT 20 ms      5.537307692 GHz



low

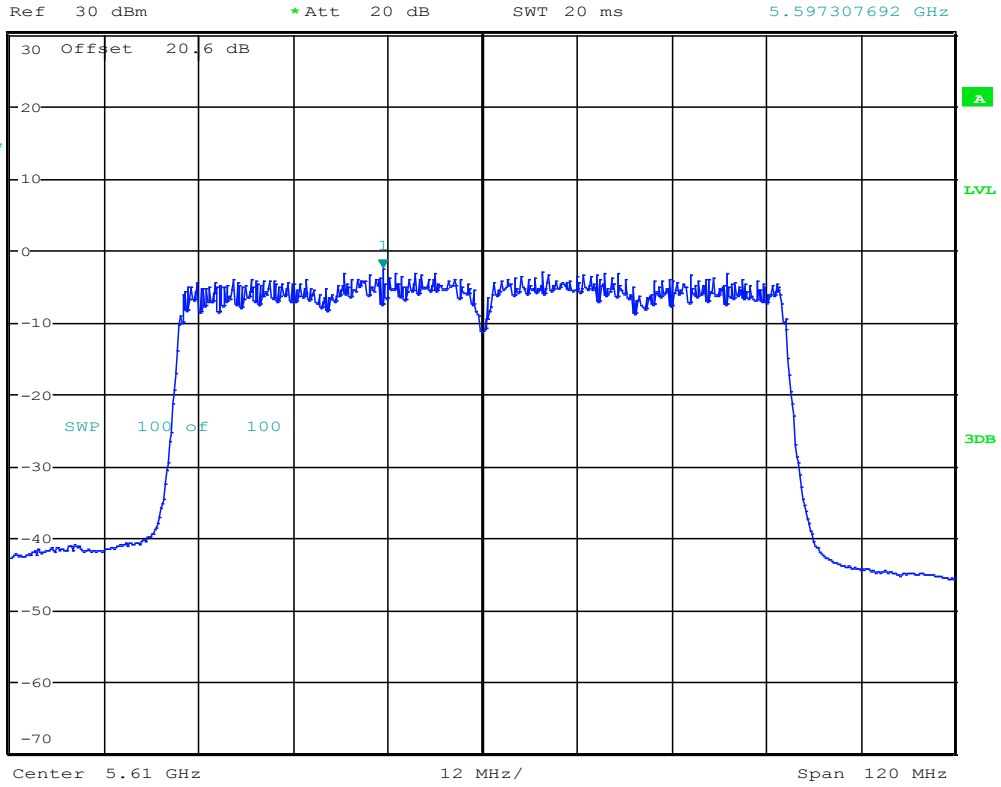
Date: 7.MAR.2014 23:33:24

### Diagram Ch106, AC80-Mode





\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -2.70 dBm  
SWT 20 ms      5.597307692 GHz

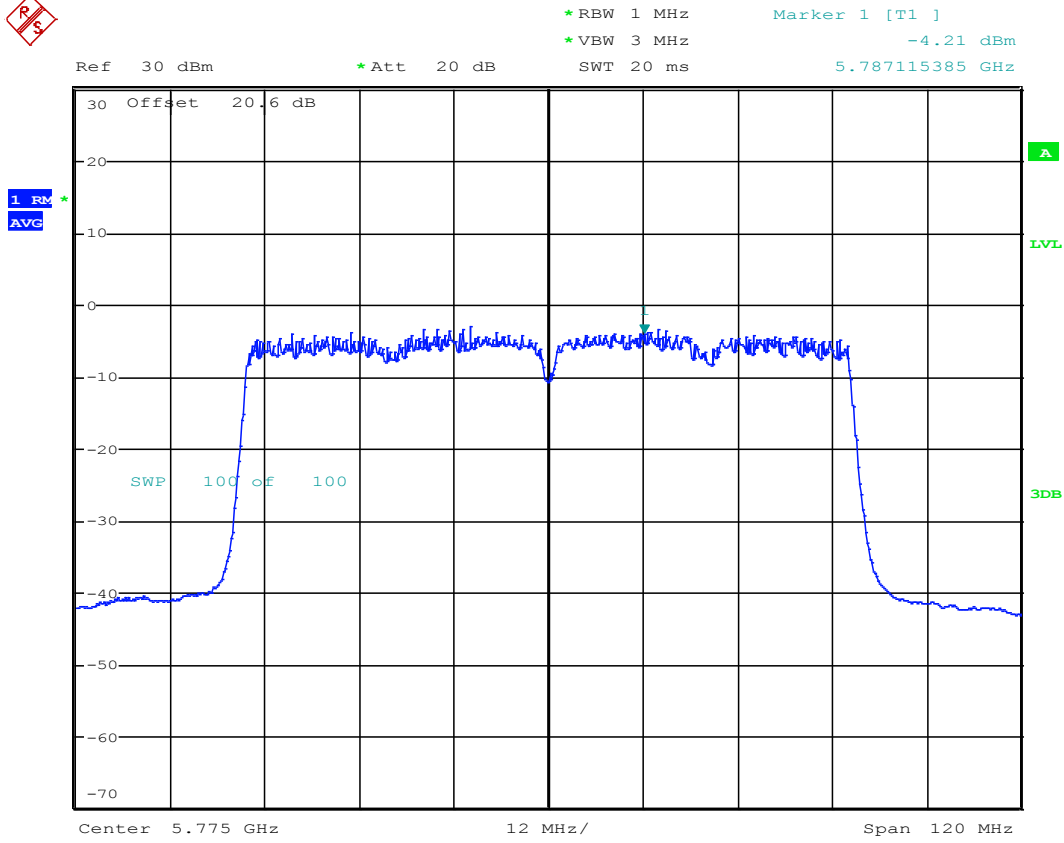


low

Date: 7.MAR.2014 23:35:44

### Diagram Ch122, AC80-Mode

### 0.3.4. UNII-3 Band



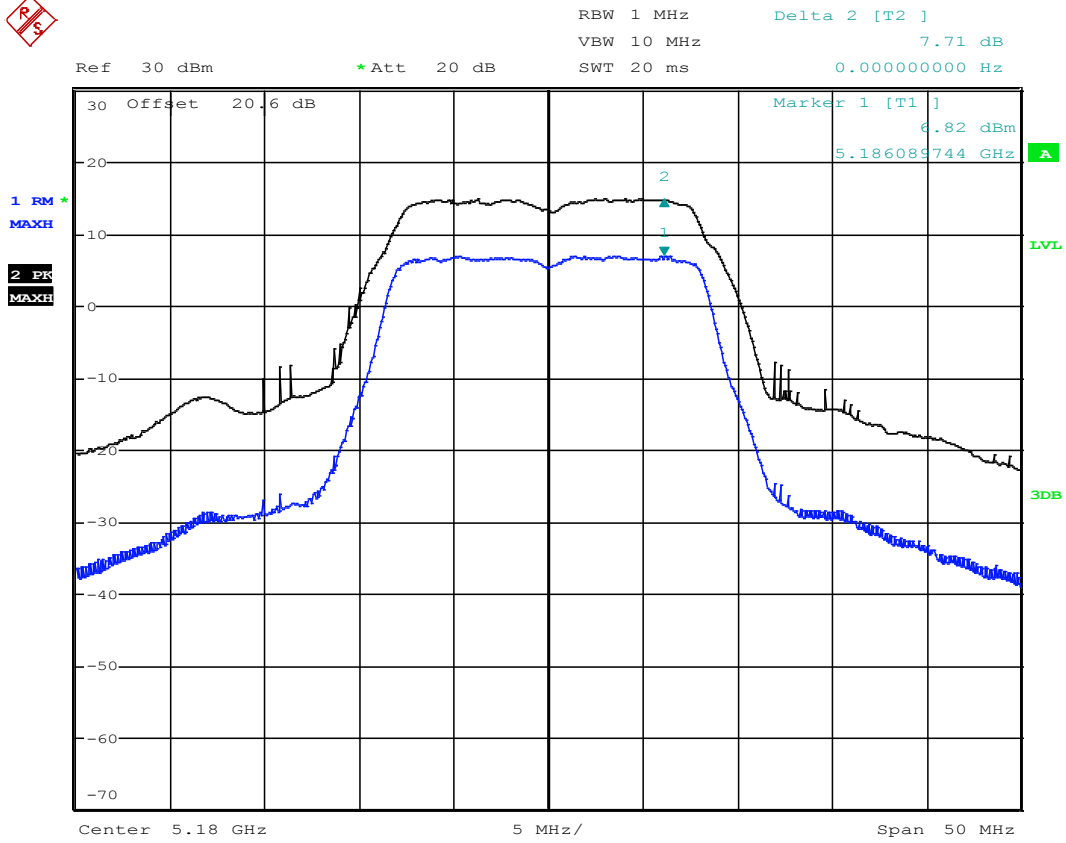
low

Date: 7.MAR.2014 23:41:57

**Diagram Ch155, AC80-Mode**

# 0.4. Peak Excursion

## 0.4.1. UNII-1 Band

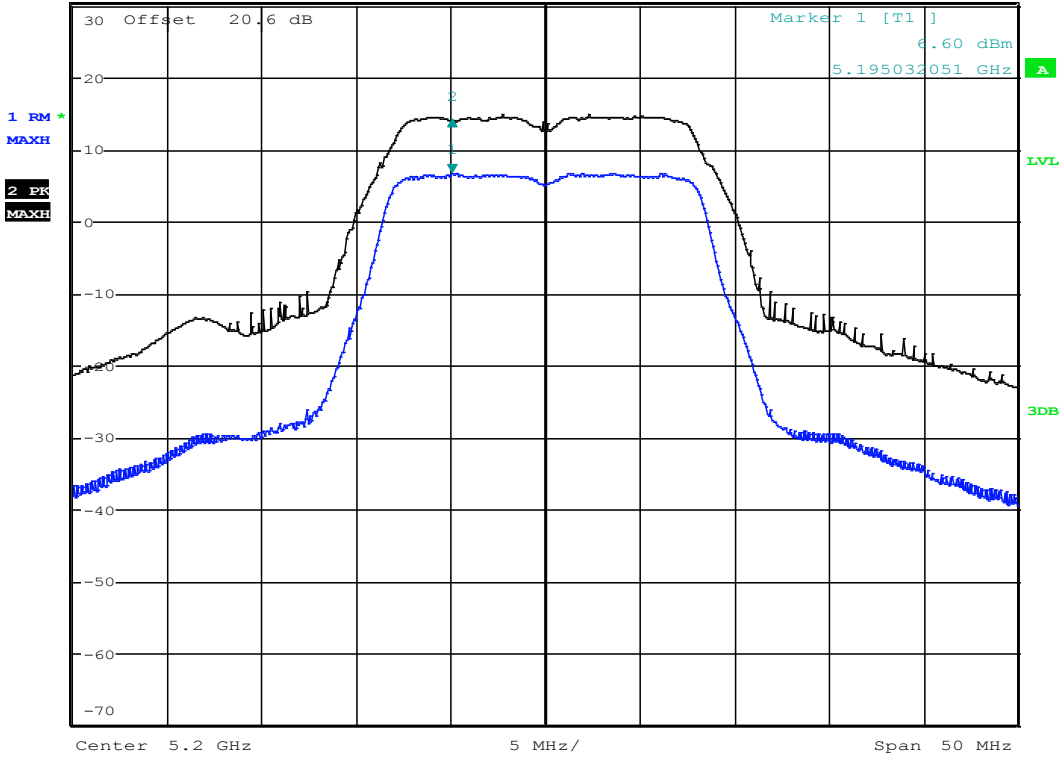


Date: 5.MAR.2014 22:38:29

Diagram Ch36, a-Mode

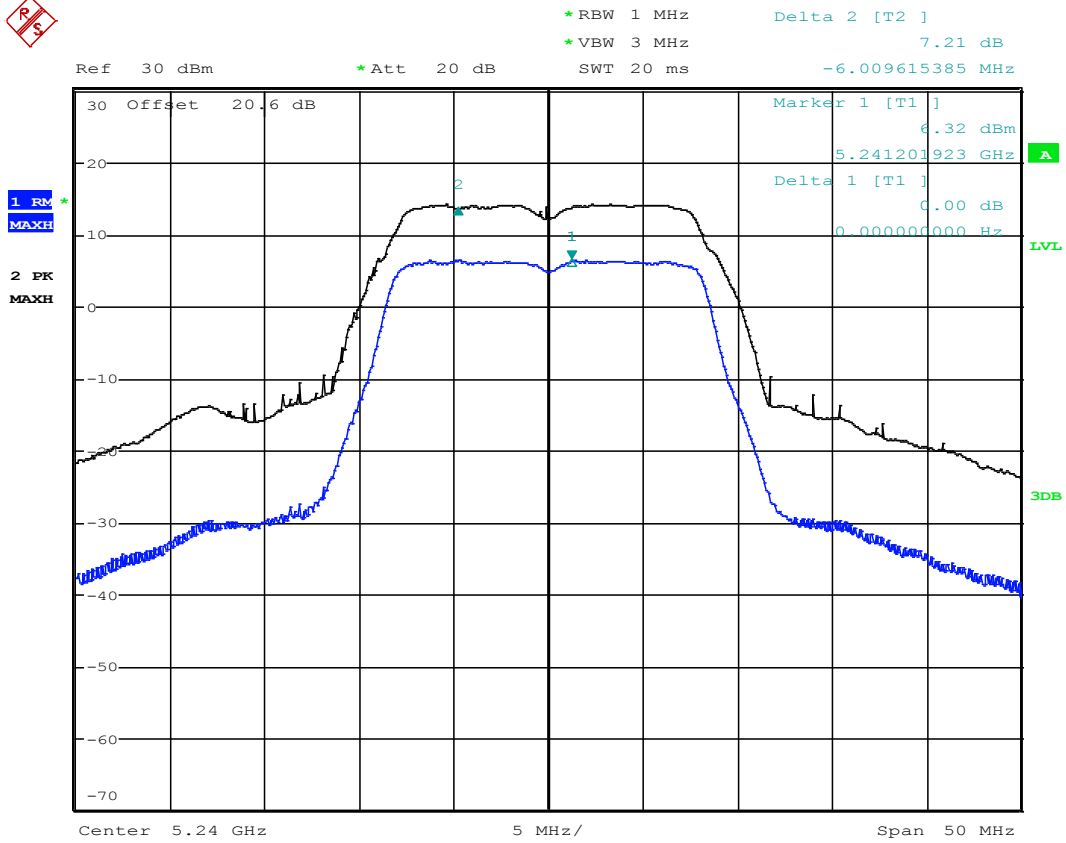


RBW 1 MHz      Delta 2 [T2 ]  
VBW 10 MHz      7.22 dB  
Ref 30 dBm      \*Att 20 dB      SWT 20 ms      0.000000000 Hz



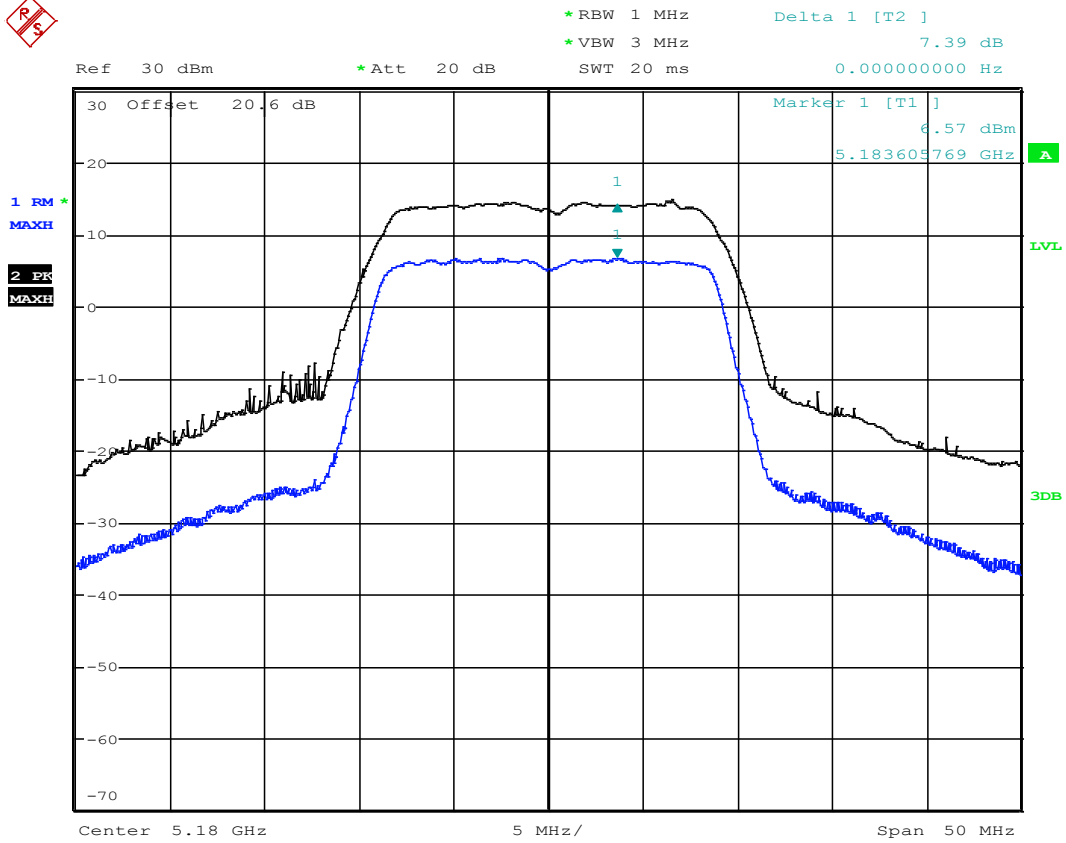
Date: 5.MAR.2014 22:47:40

### Diagram Ch40, a-Mode



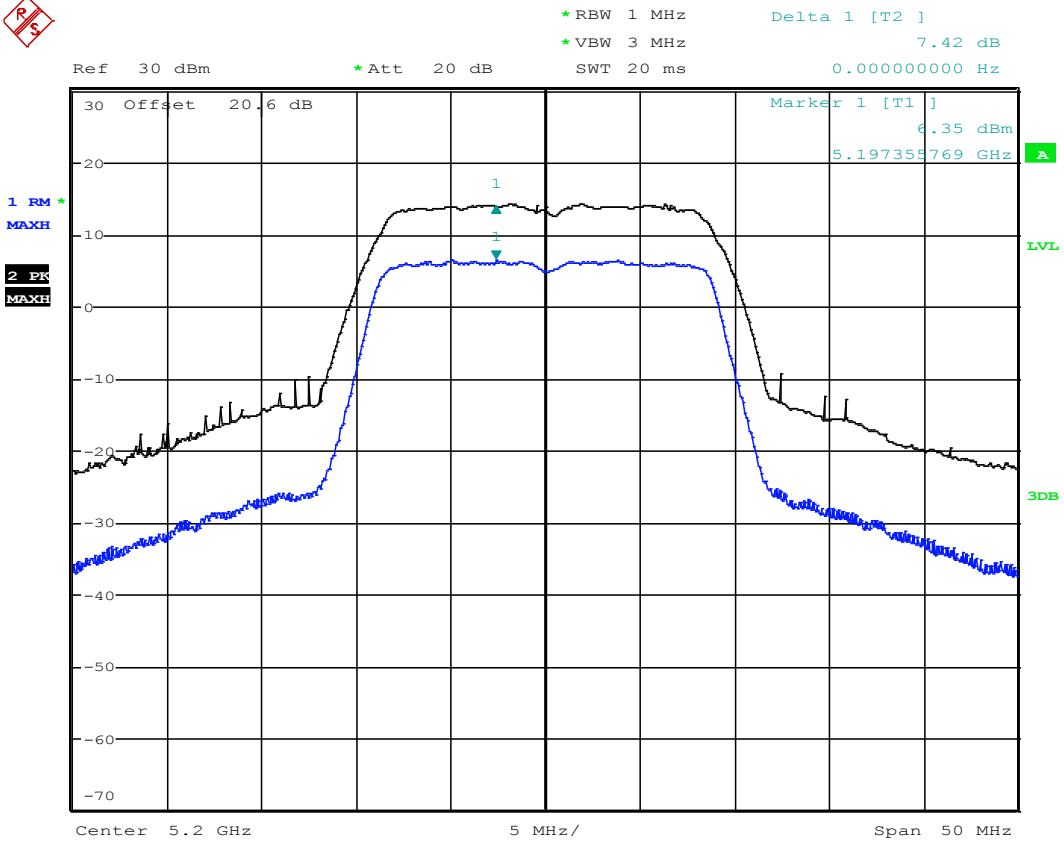
Date: 5.MAR.2014 23:08:17

### Diagram Ch48, a-Mode



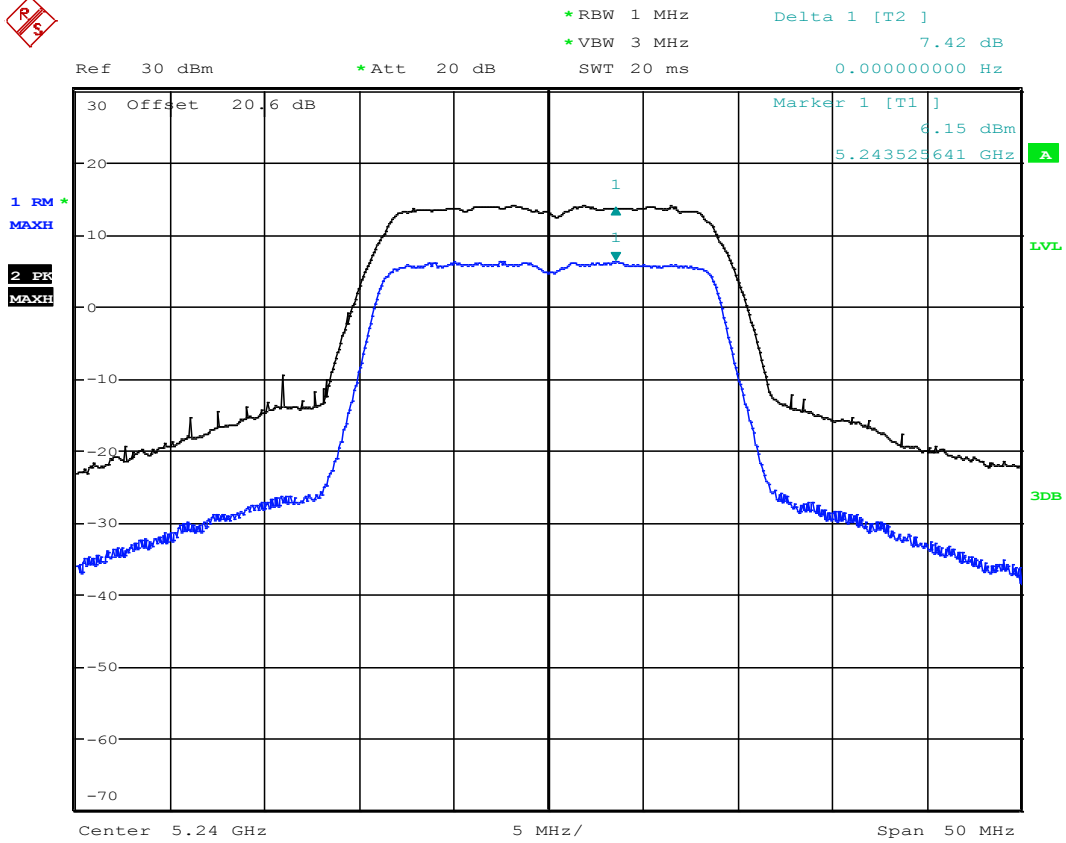
Date: 5.MAR.2014 23:27:24

### Diagram Ch36, n-Mode



Date: 5.MAR.2014 23:31:21

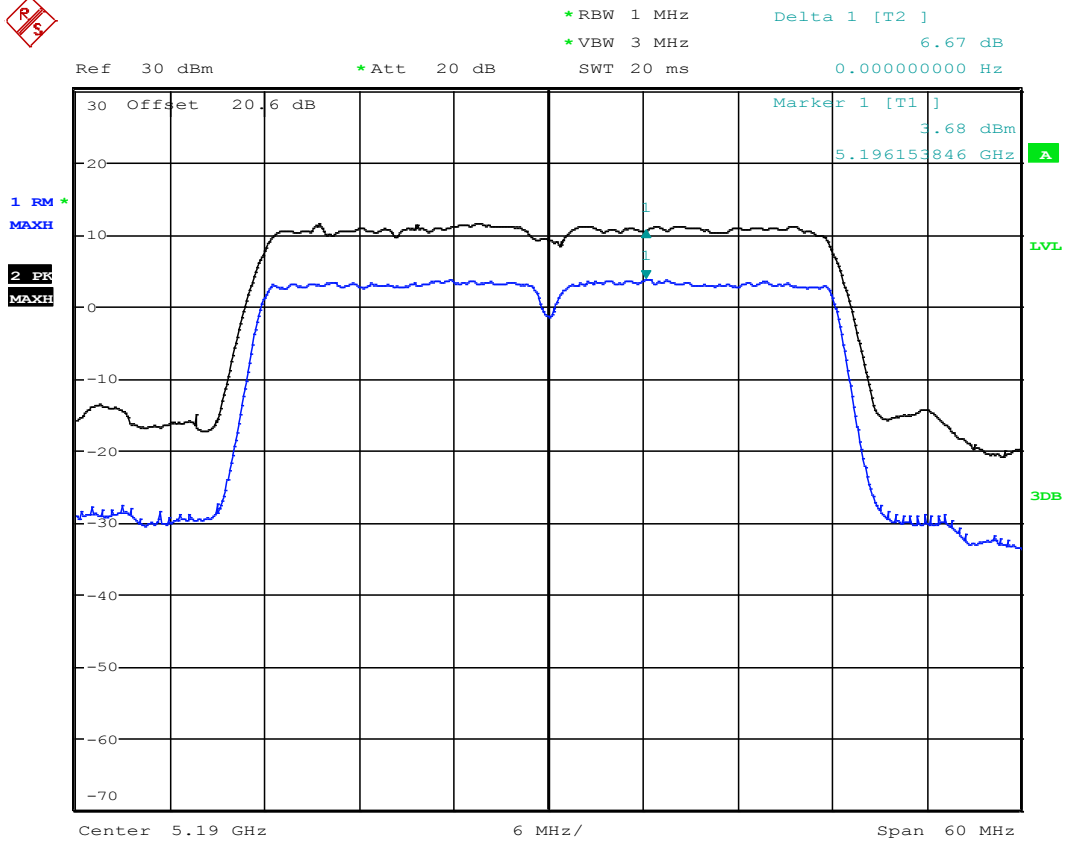
### Diagram Ch40, n-Mode



Date: 5.MAR.2014 23:33:01

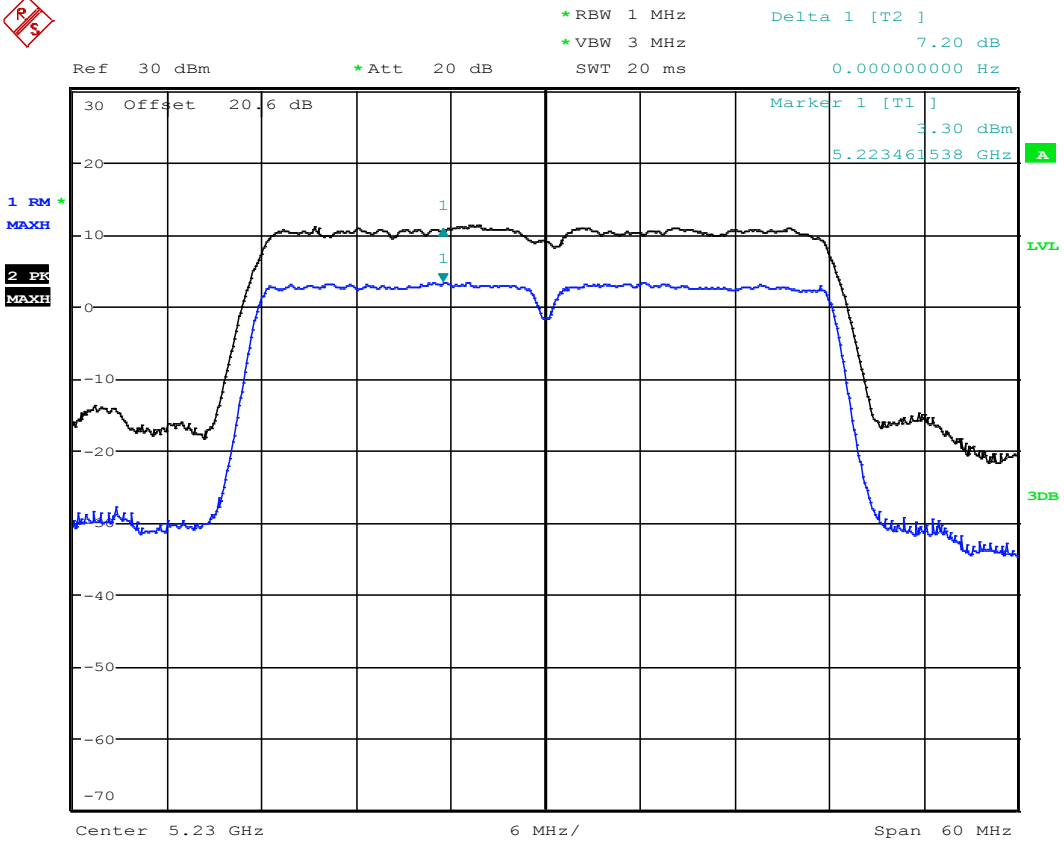
### Diagram Ch48, n-Mode





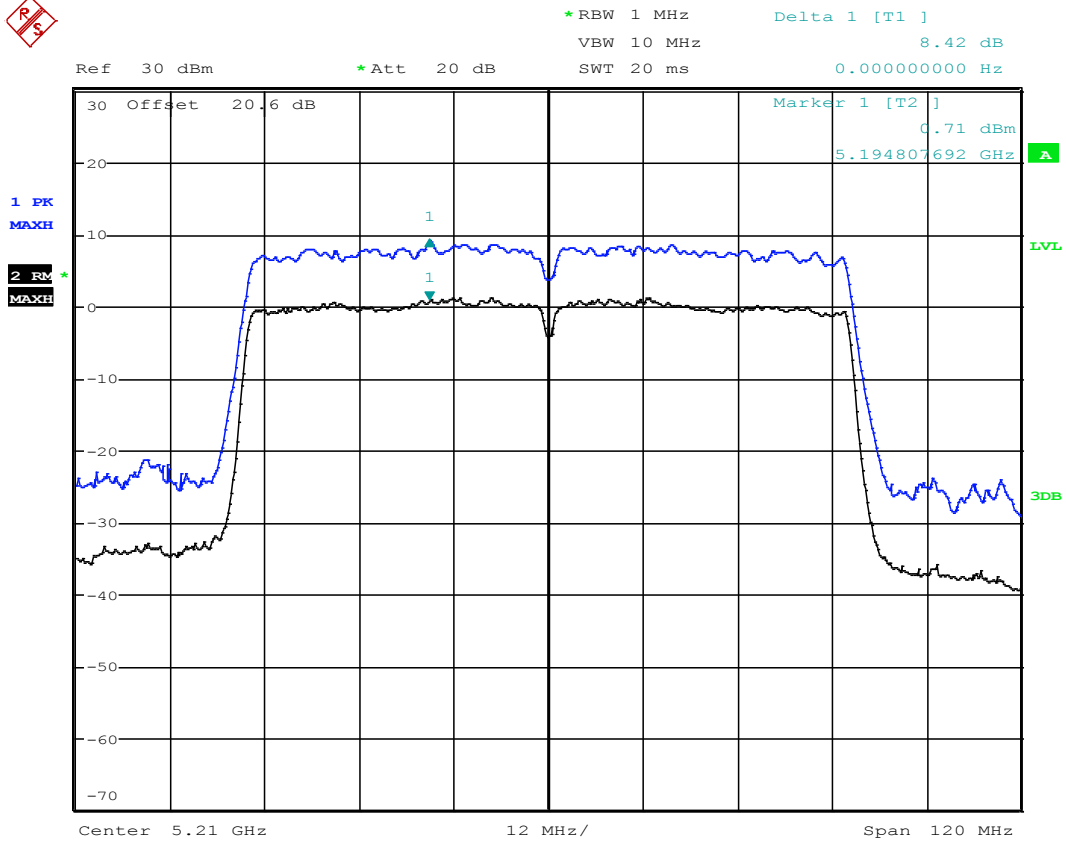
Date: 5.MAR.2014 23:48:48

### Diagram Ch38, n40-Mode



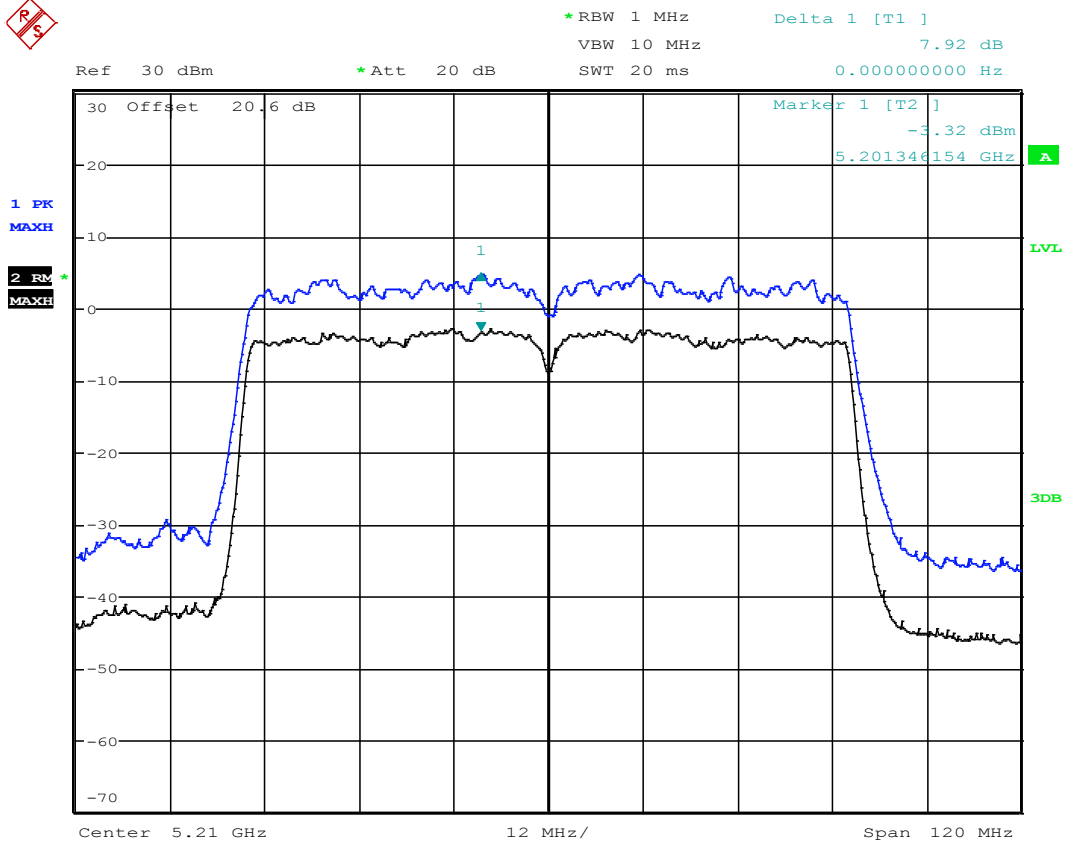
Date: 5.MAR.2014 23:50:26

### Diagram Ch46, n40-Mode



Date: 10.MAR.2014 21:25:42

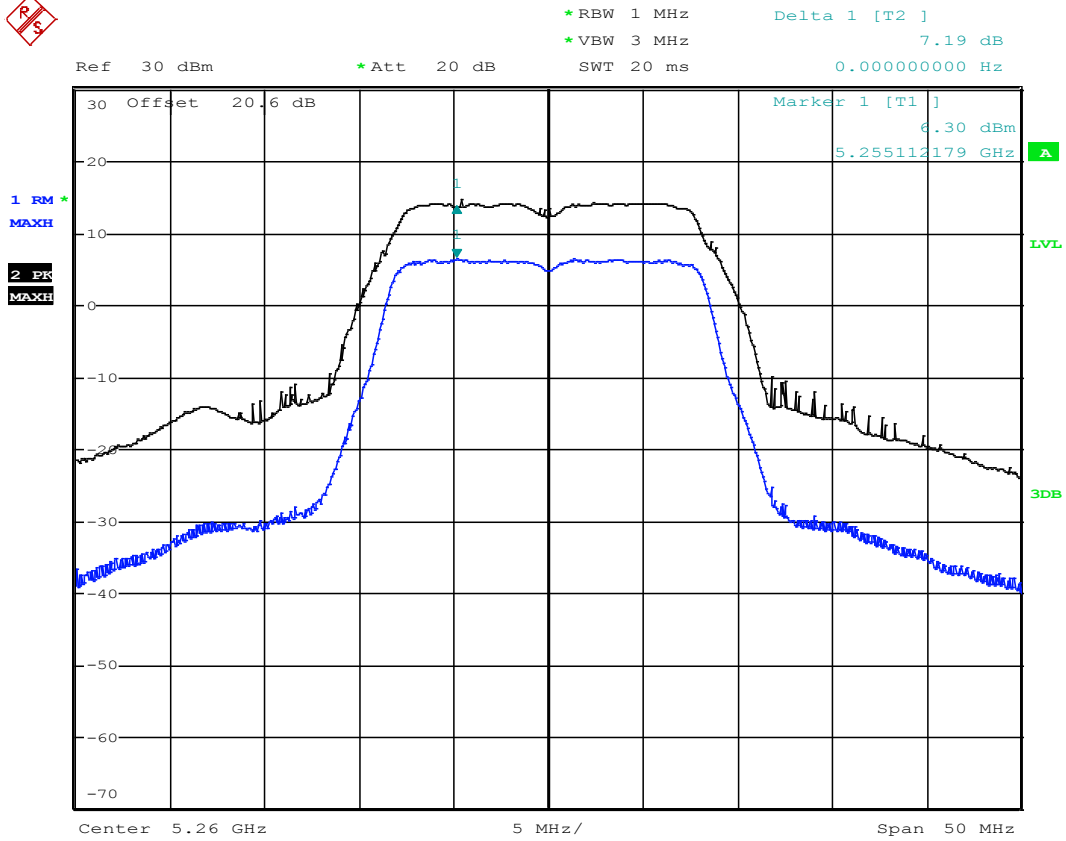
### Diagram Ch42, AC80-Mode



Date: 10.MAR.2014 21:43:05

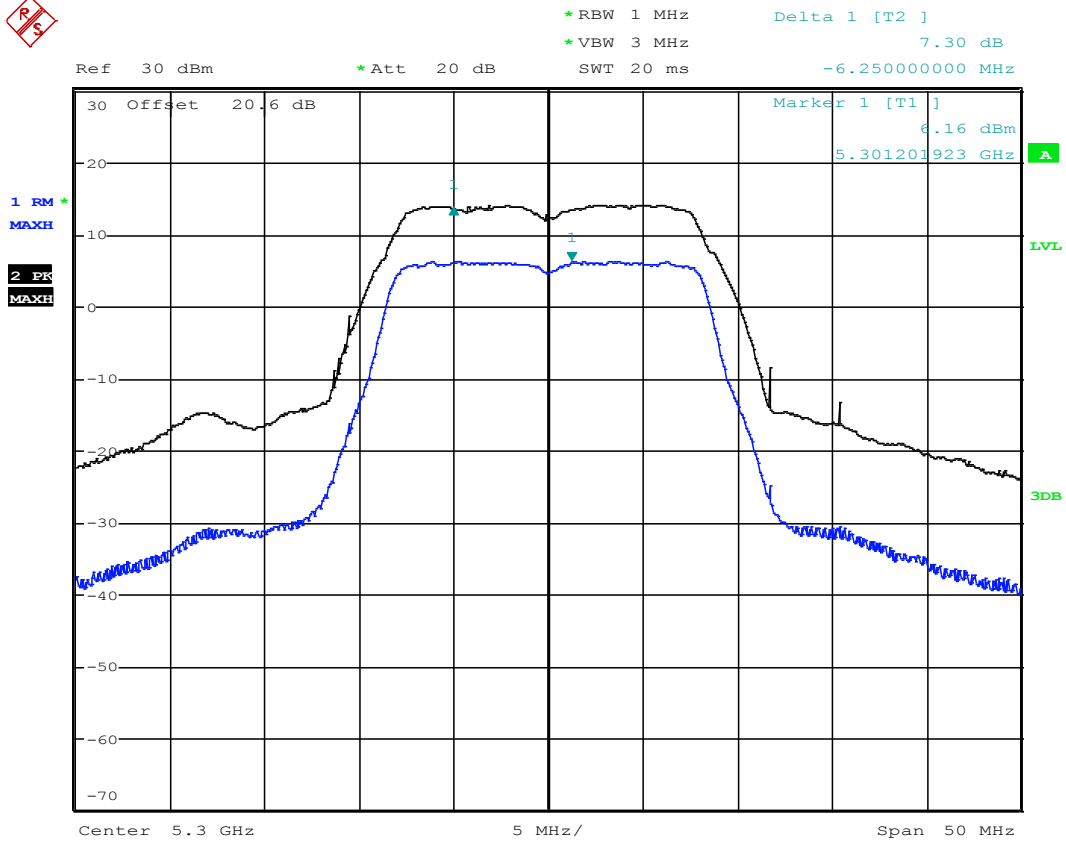
### Diagram Ch42, AC80-Mode

## 0.4.2. UNII-2A Band



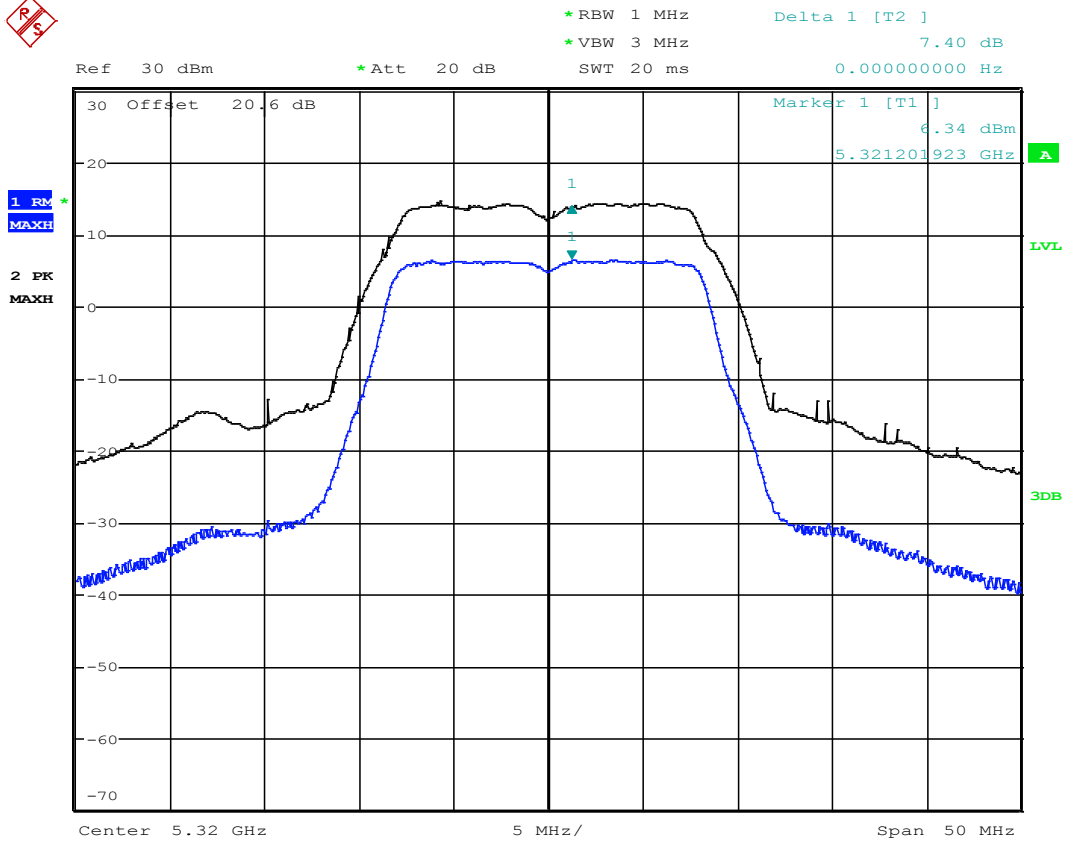
Date: 5.MAR.2014 23:14:32

Diagram Ch52, a-Mode



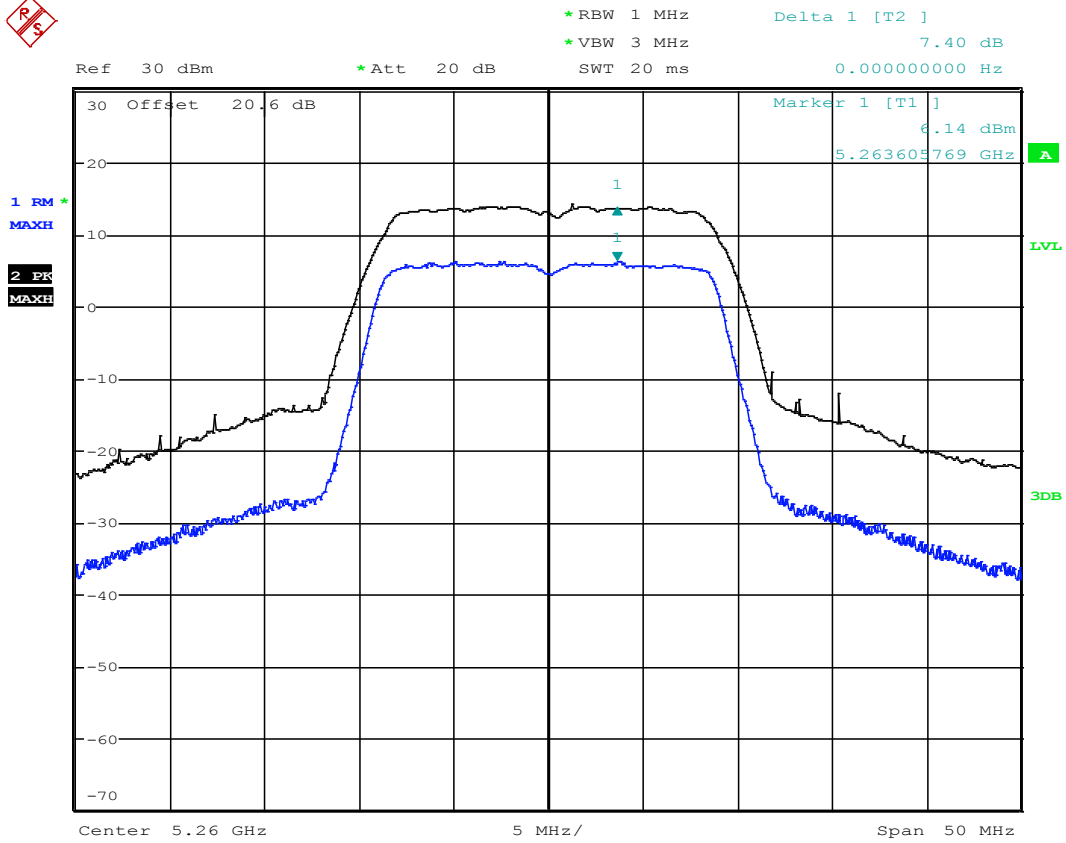
Date: 5.MAR.2014 23:16:15

### Diagram Ch60, a-Mode



Date: 5.MAR.2014 23:20:25

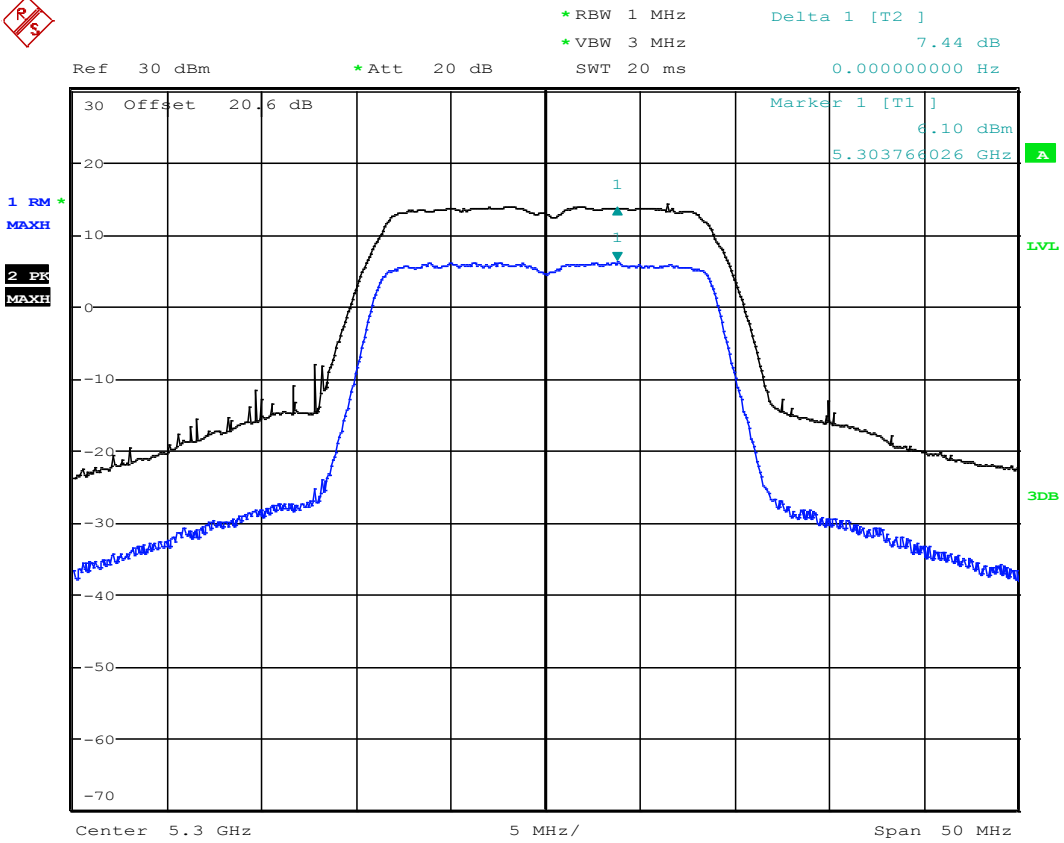
### Diagram Ch64, a-Mode



Date: 5.MAR.2014 23:36:26

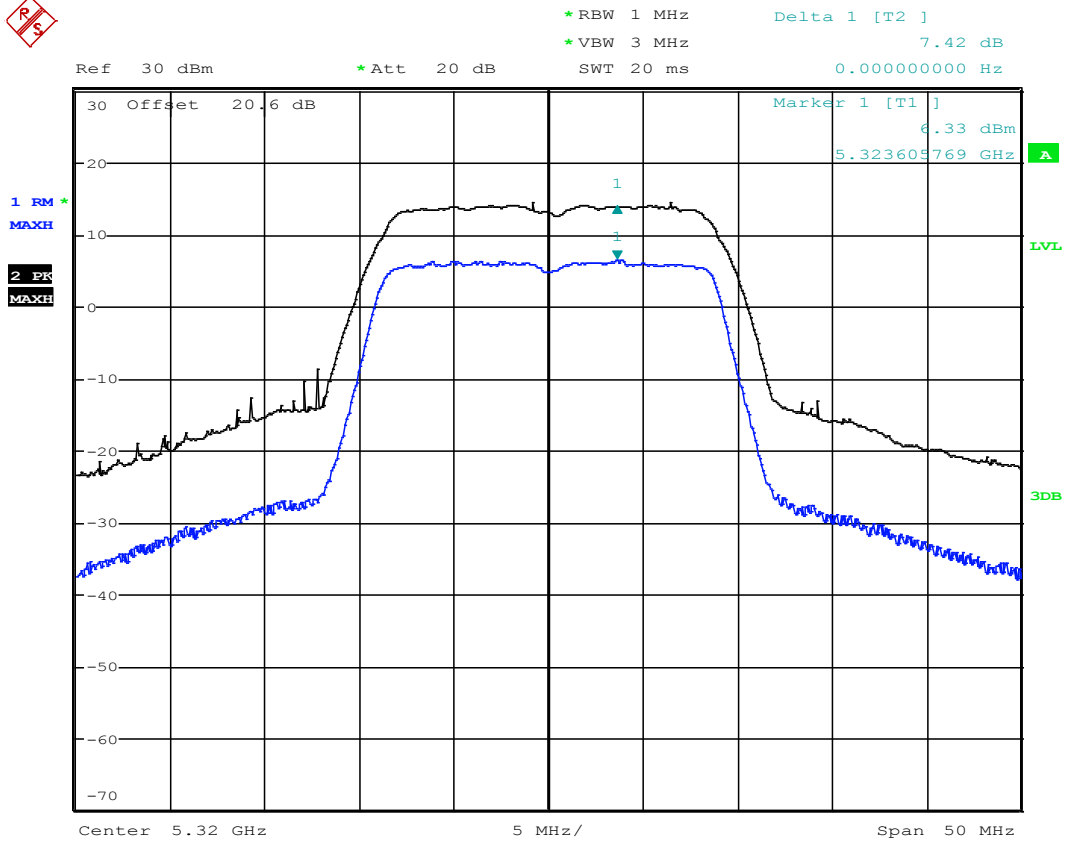
### Diagram Ch52, n-Mode





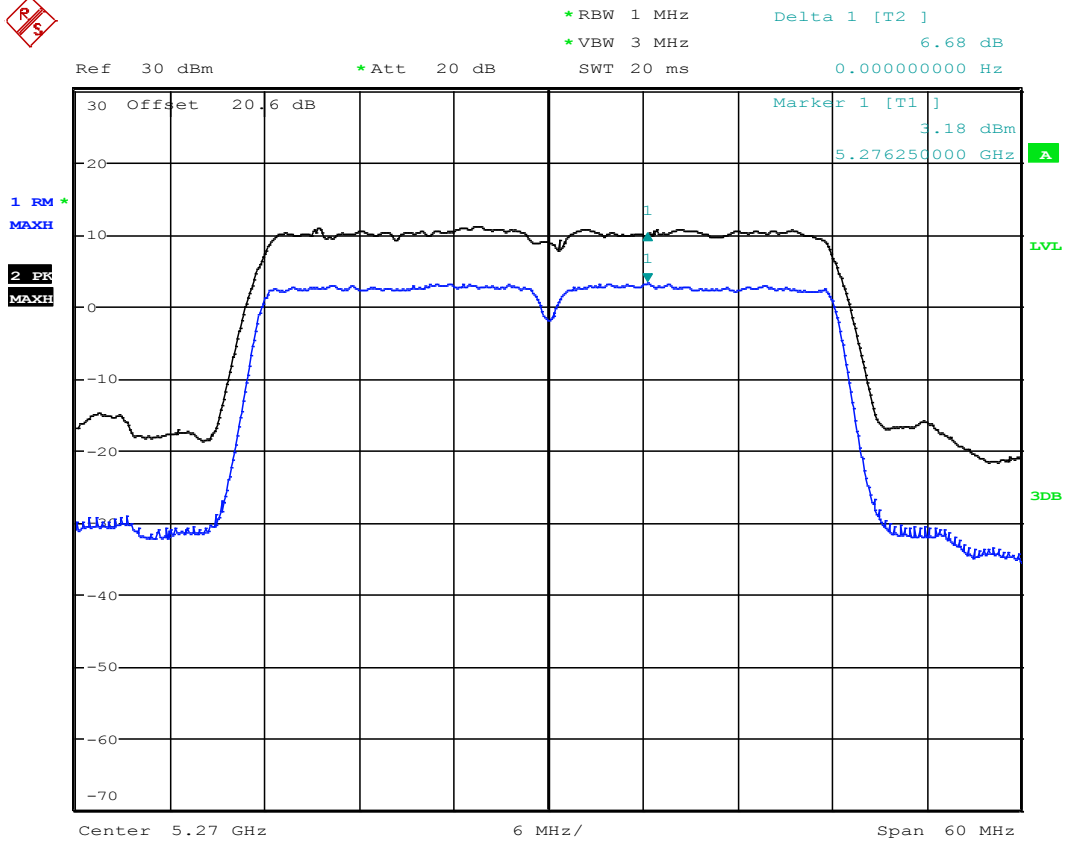
Date: 5.MAR.2014 23:38:25

### Diagram Ch60, n-Mode



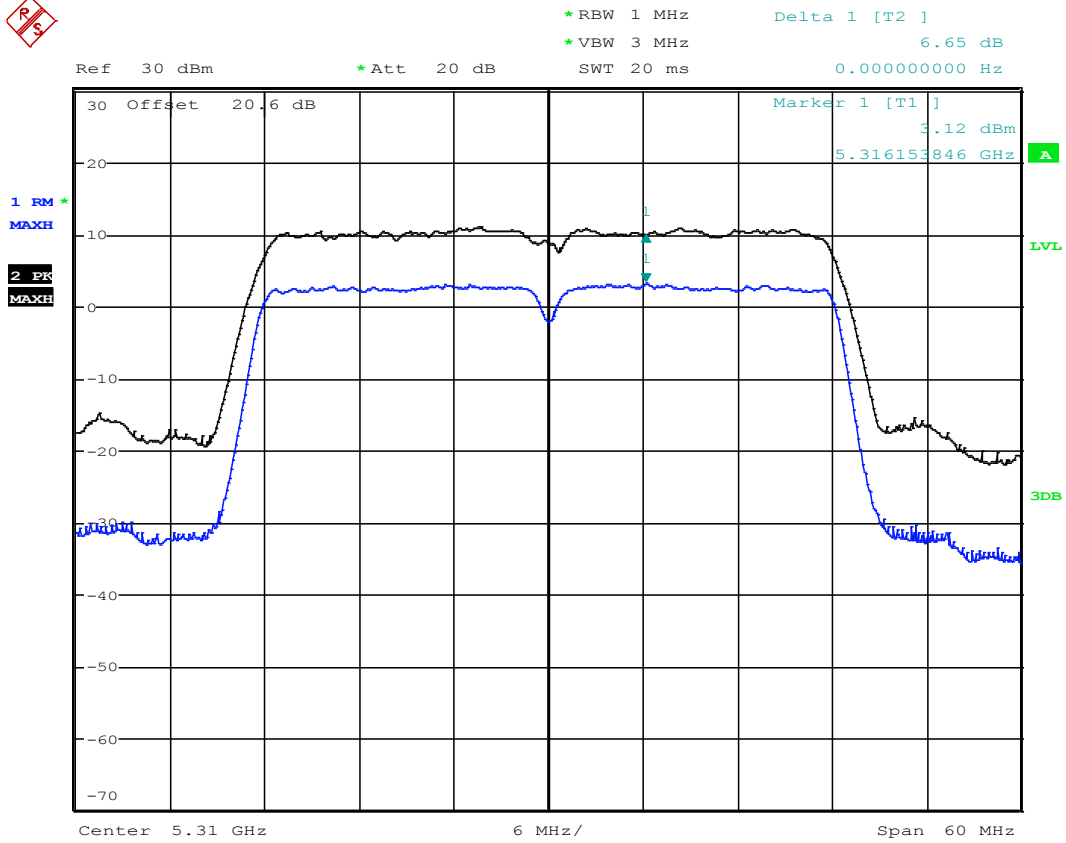
Date: 5.MAR.2014 23:40:01

### Diagram Ch64, n-Mode



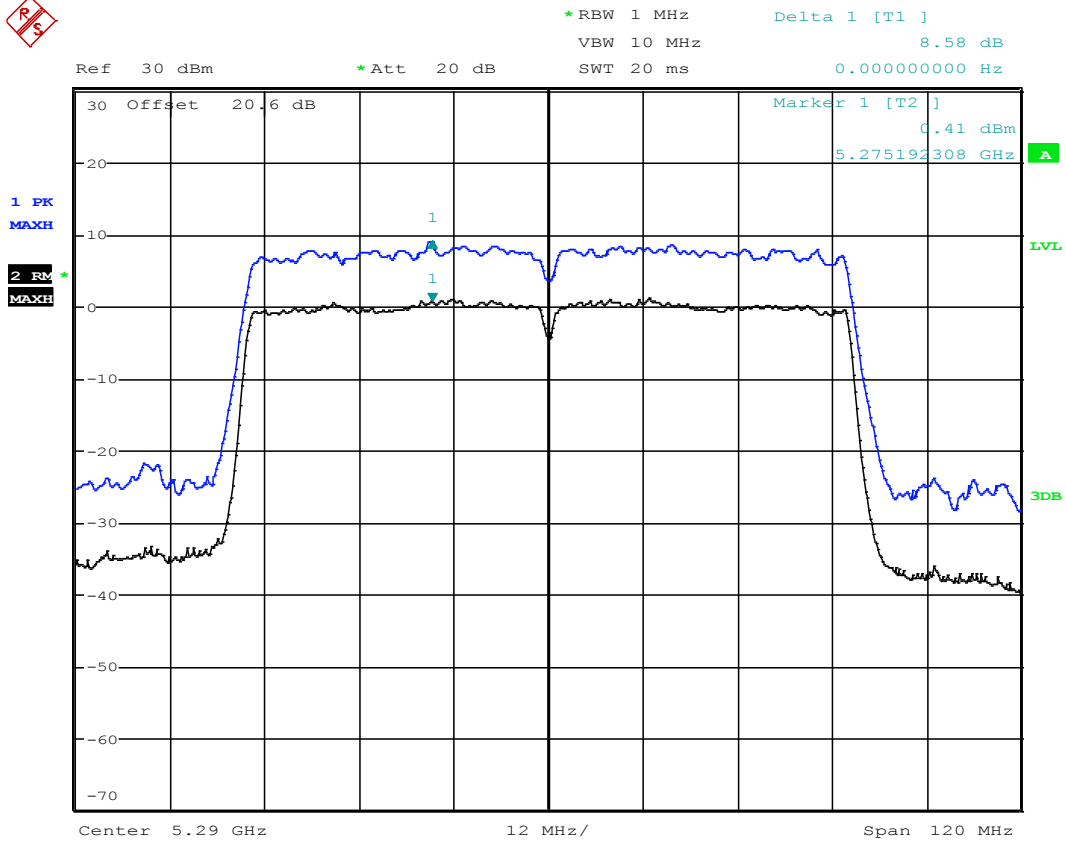
Date: 5.MAR.2014 23:51:55

### Diagram Ch54, n40-Mode



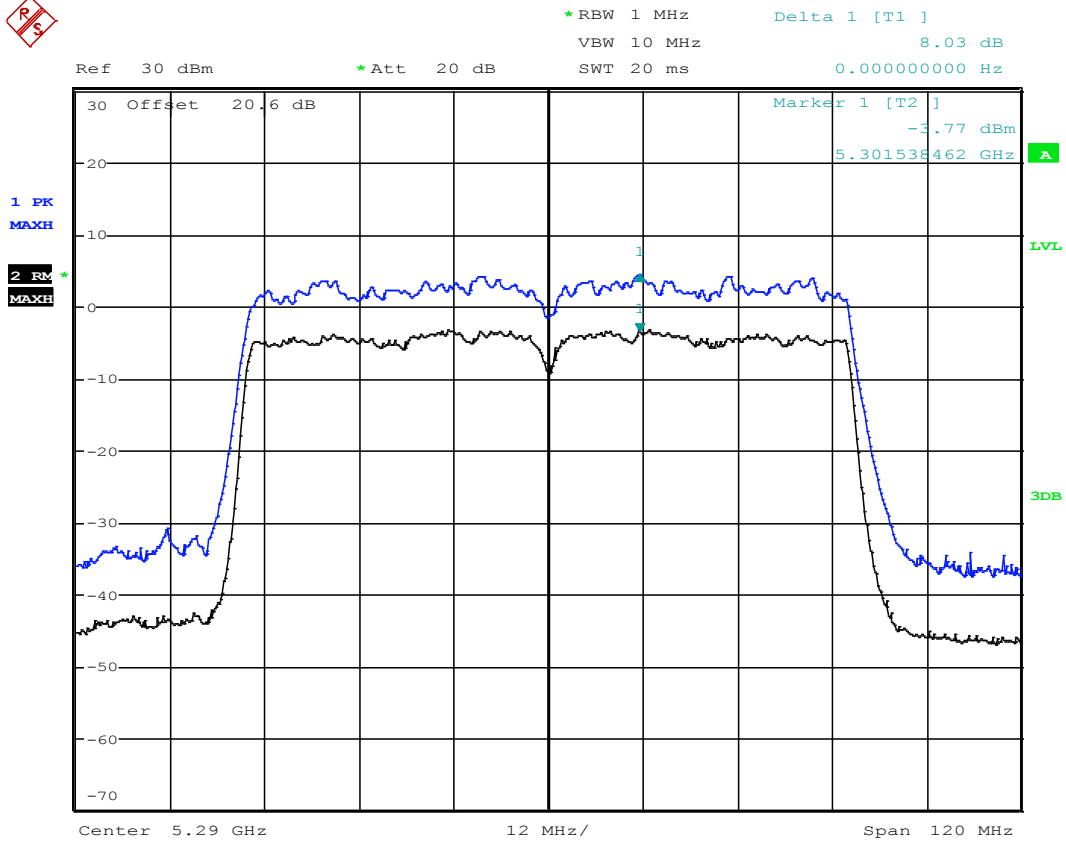
Date: 5.MAR.2014 23:53:23

### Diagram Ch62, n40-Mode



Date: 10.MAR.2014 21:30:29

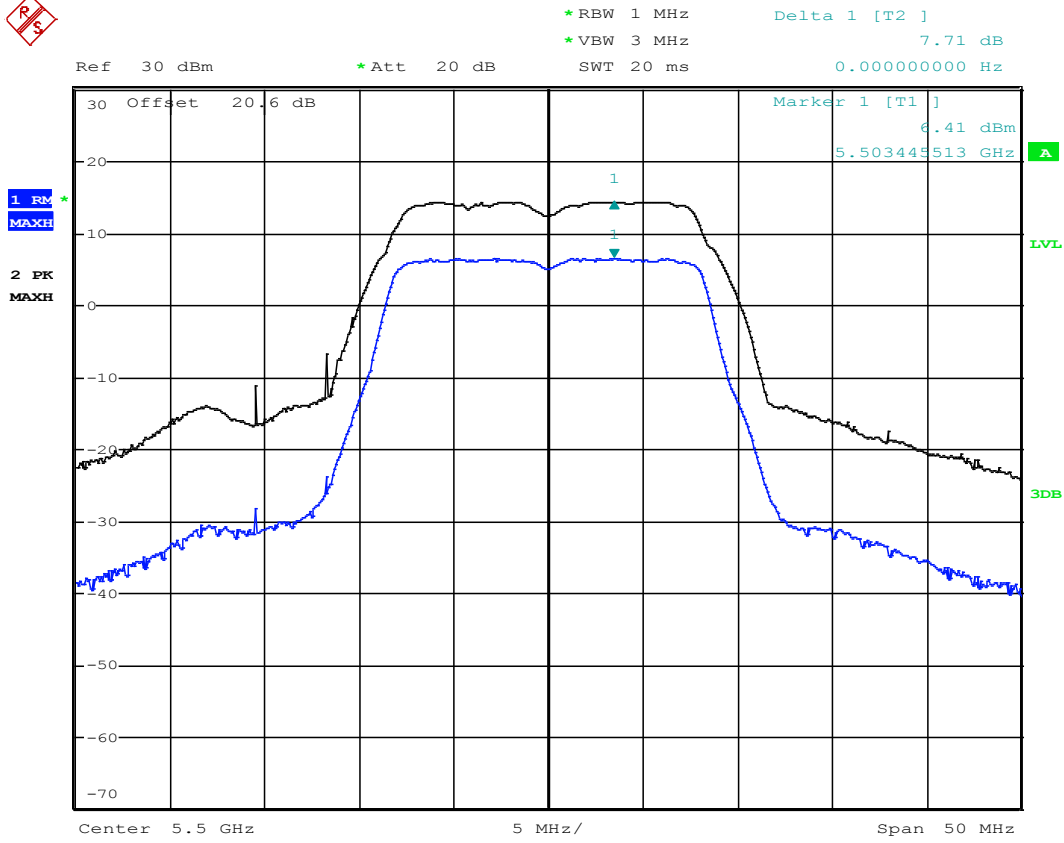
### Diagram Ch58, AC80-Mode



Date: 10.MAR.2014 21:44:34

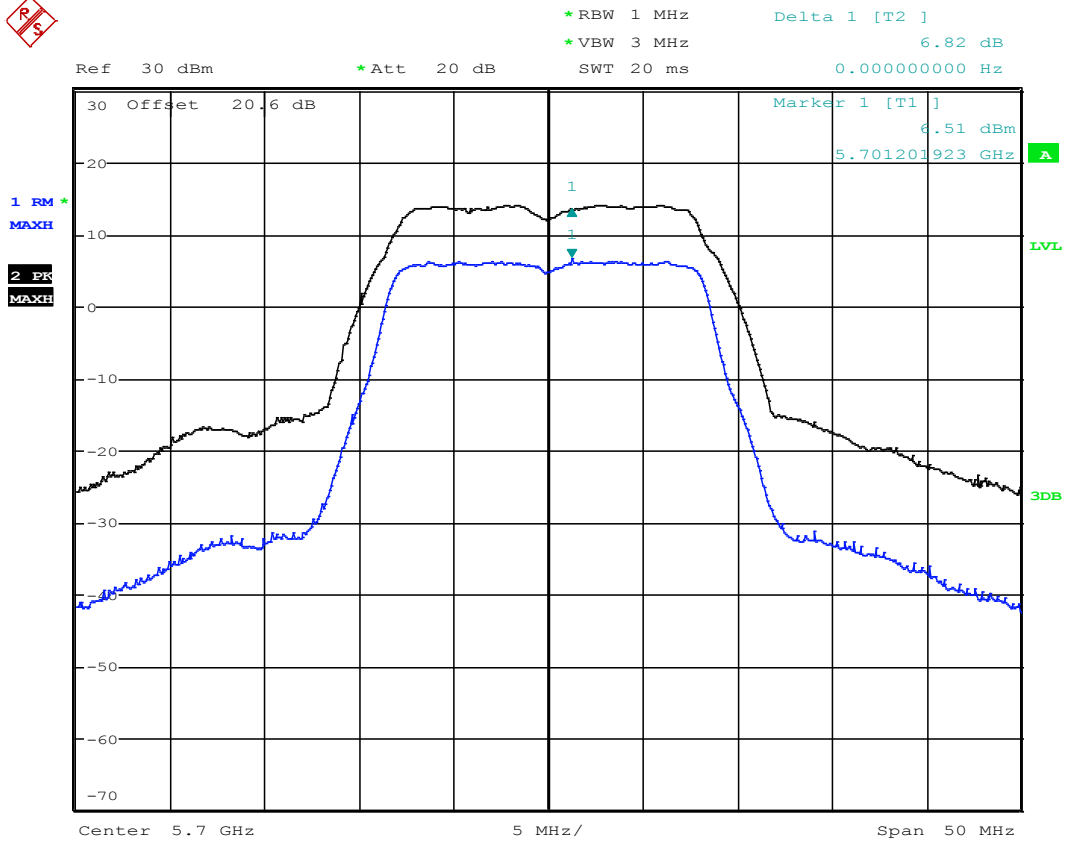
### Diagram Ch58, AC80-Mode

### 0.4.3. UNII-2C Band



Date: 5.MAR.2014 23:21:51

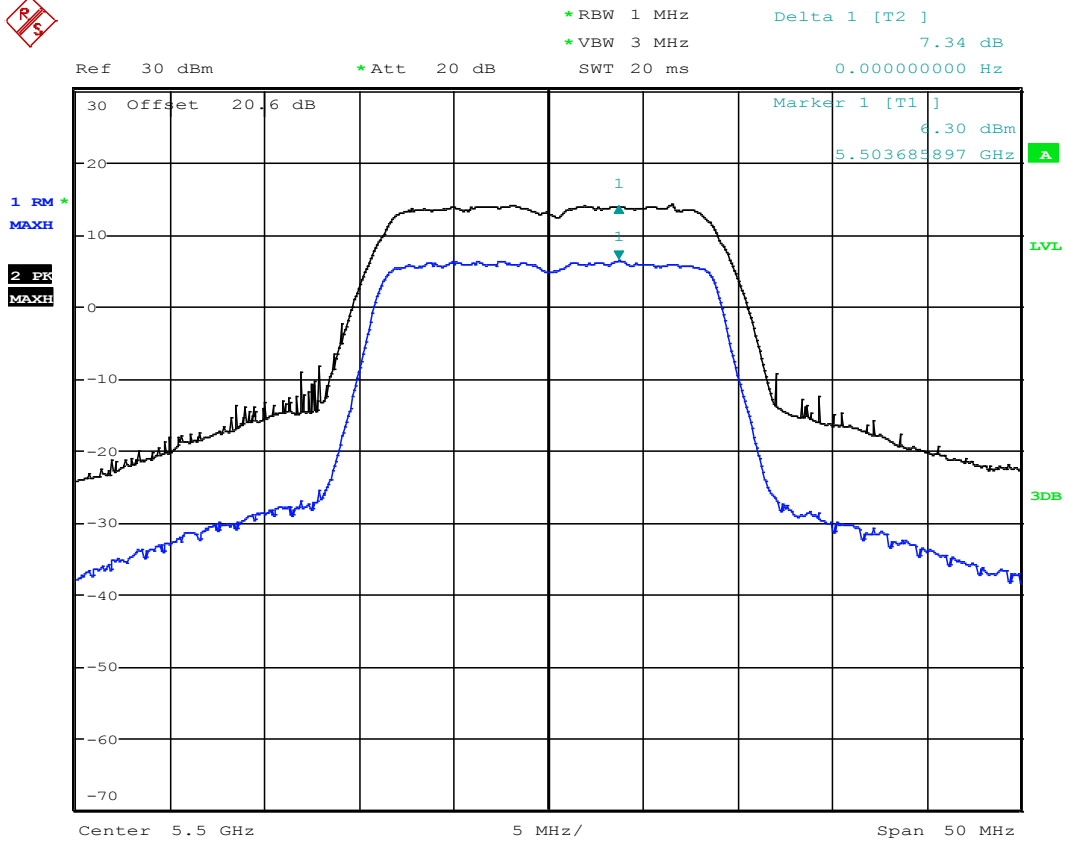
Diagram Ch100, a-Mode



Date: 5.MAR.2014 23:24:04

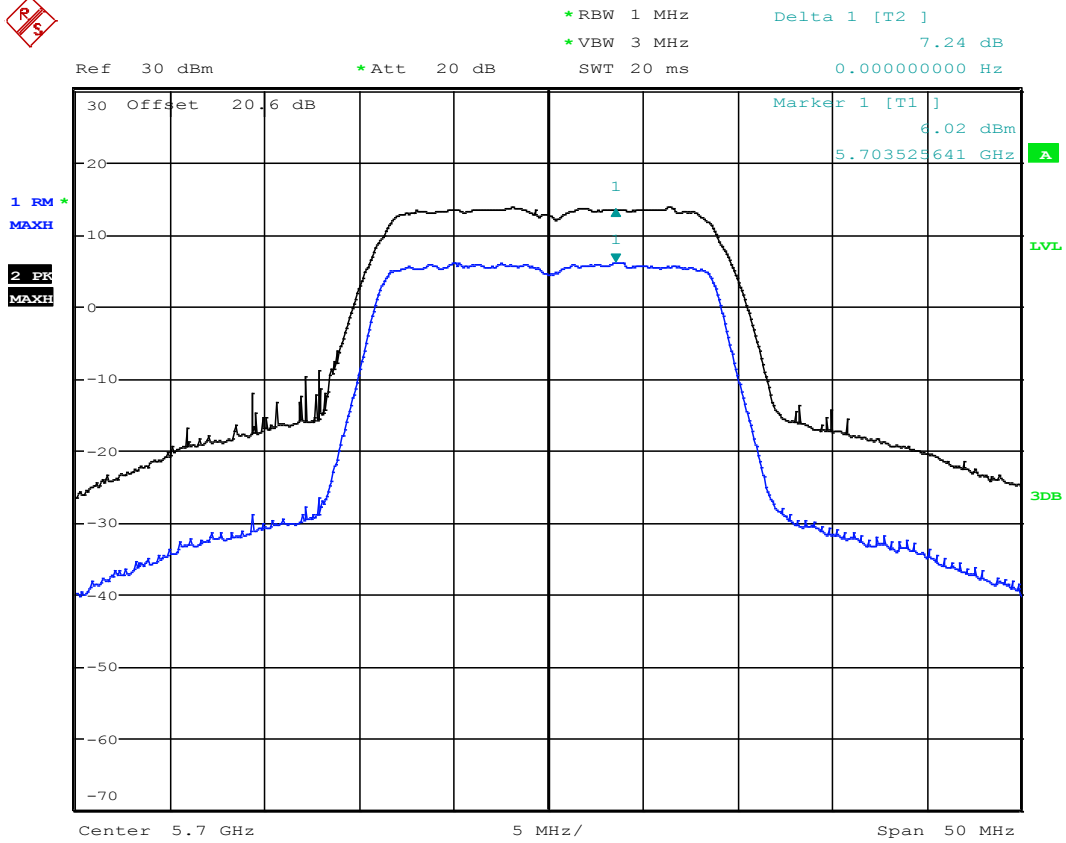
### Diagram Ch140, a-Mode





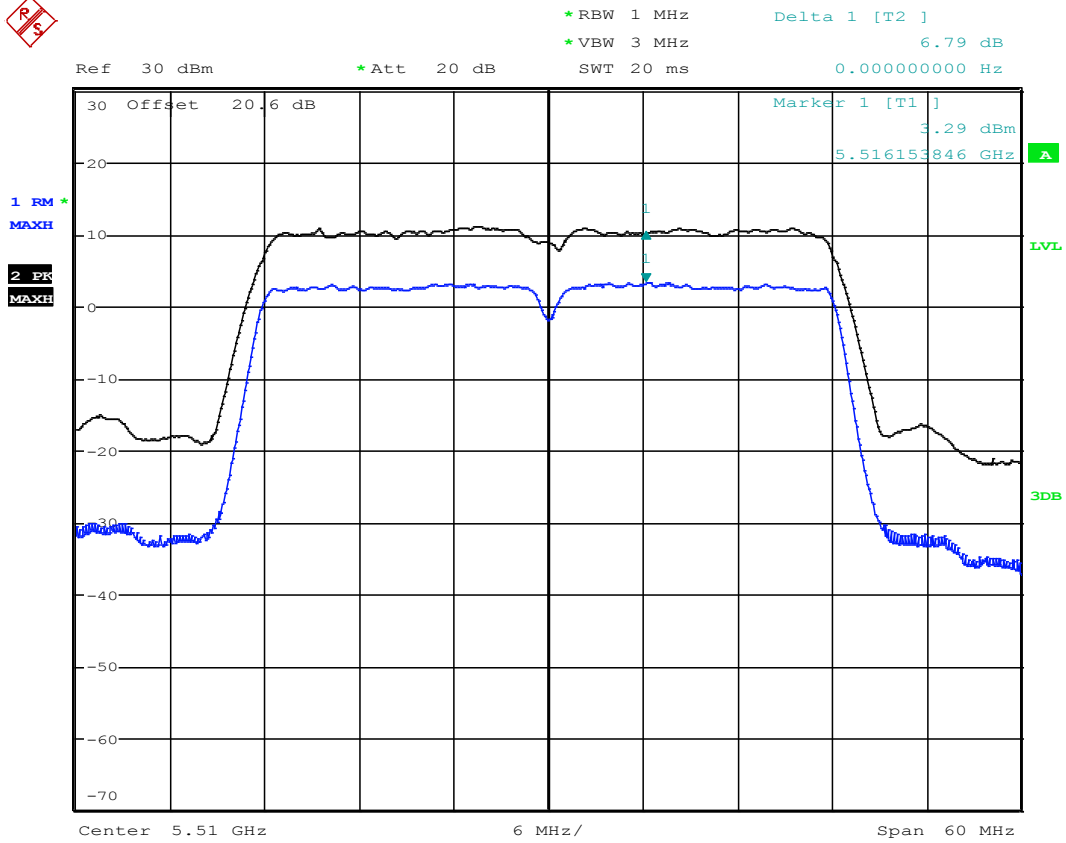
Date: 5.MAR.2014 23:42:03

### Diagram Ch100, n-Mode



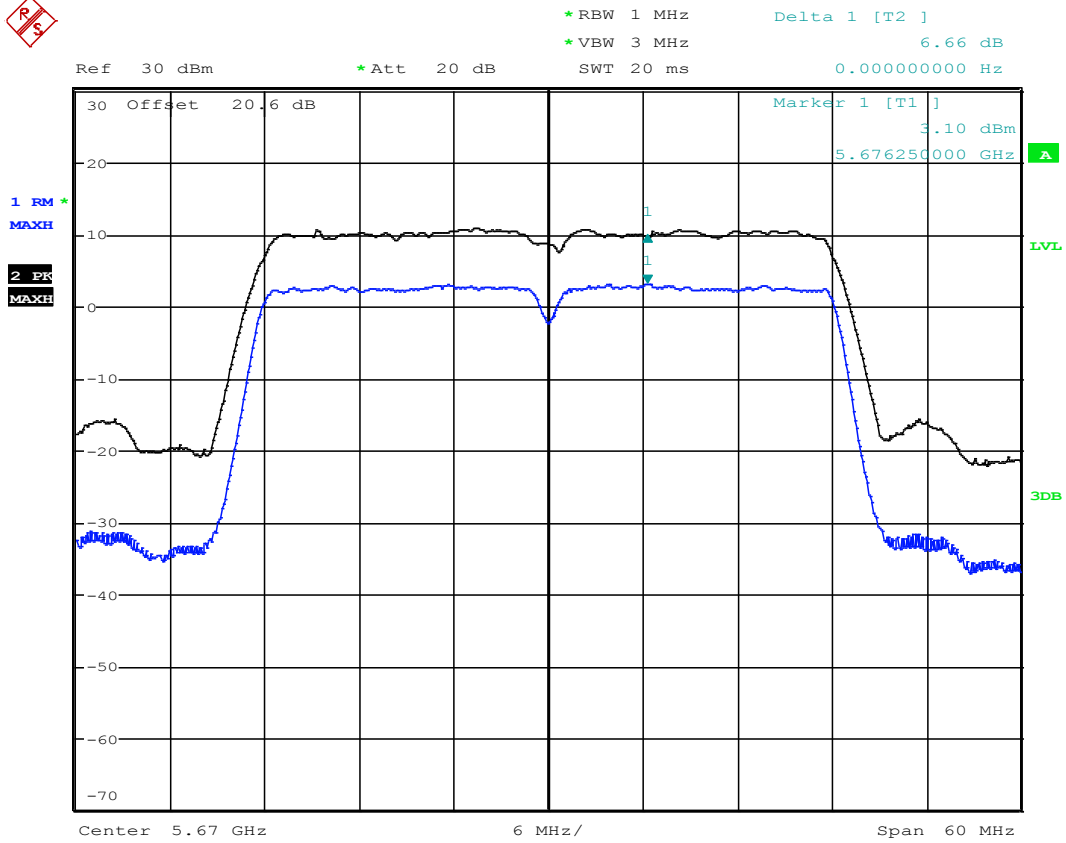
Date: 5.MAR.2014 23:43:38

### Diagram Ch140, n-Mode



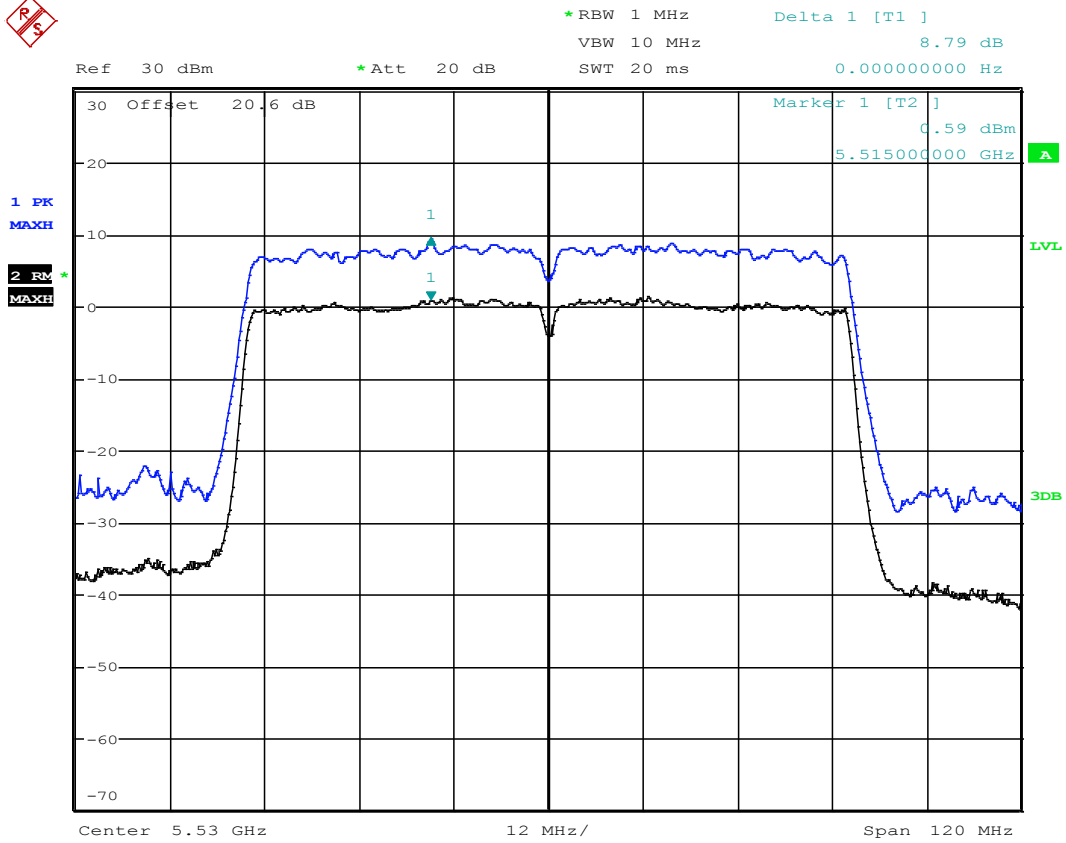
Date: 5.MAR.2014 23:55:31

### Diagram Ch102, n40-Mode



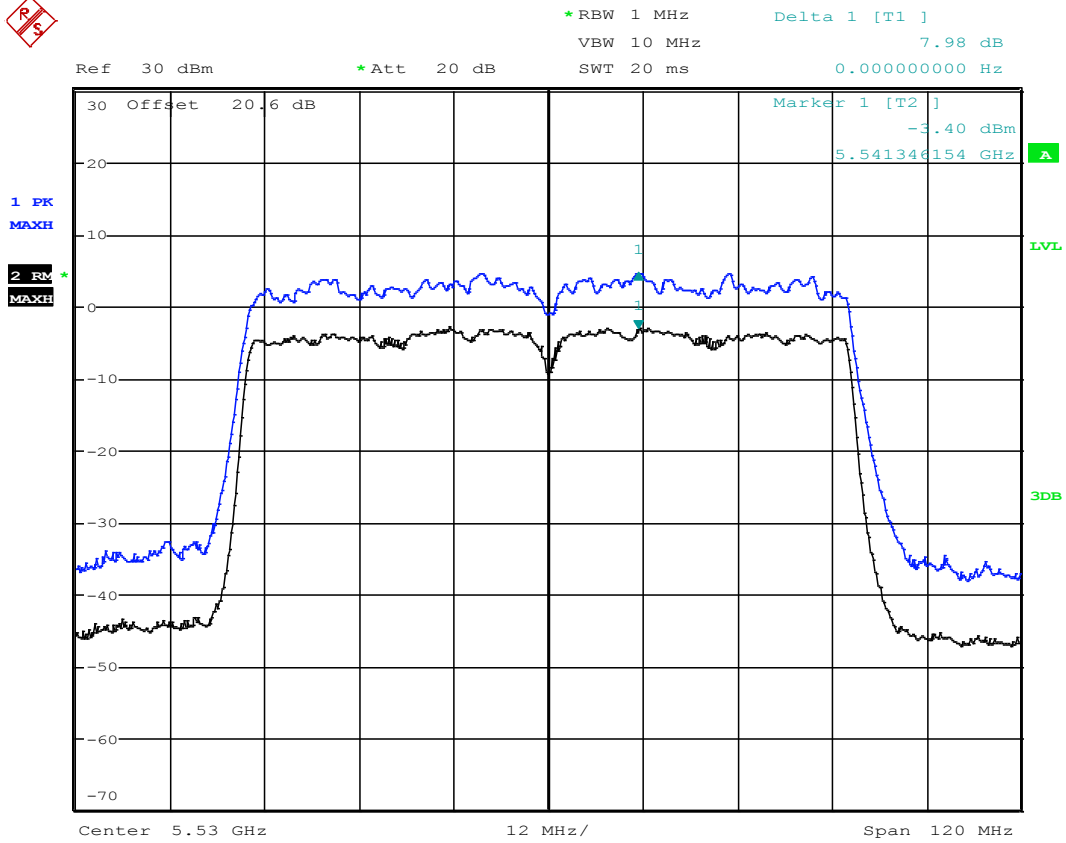
Date: 5.MAR.2014 23:57:15

### Diagram Ch134, n40-Mode



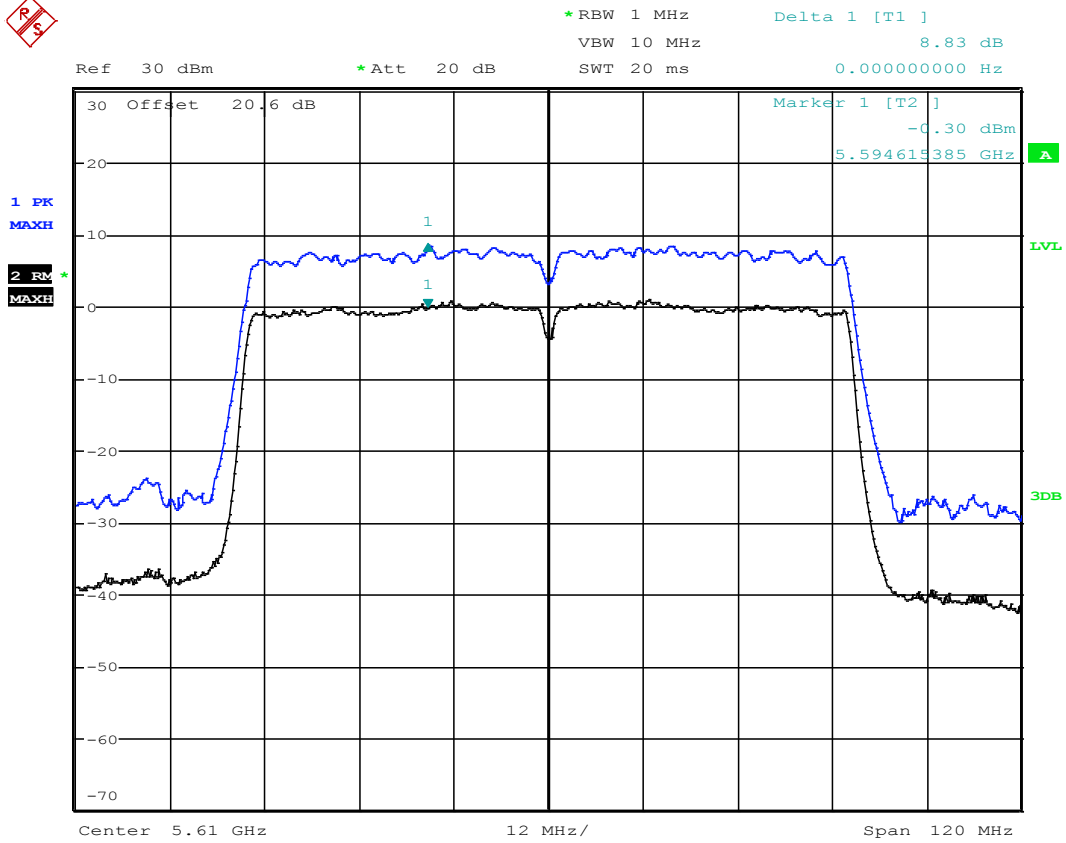
Date: 10.MAR.2014 21:32:19

### Diagram Ch106, AC80-Mode



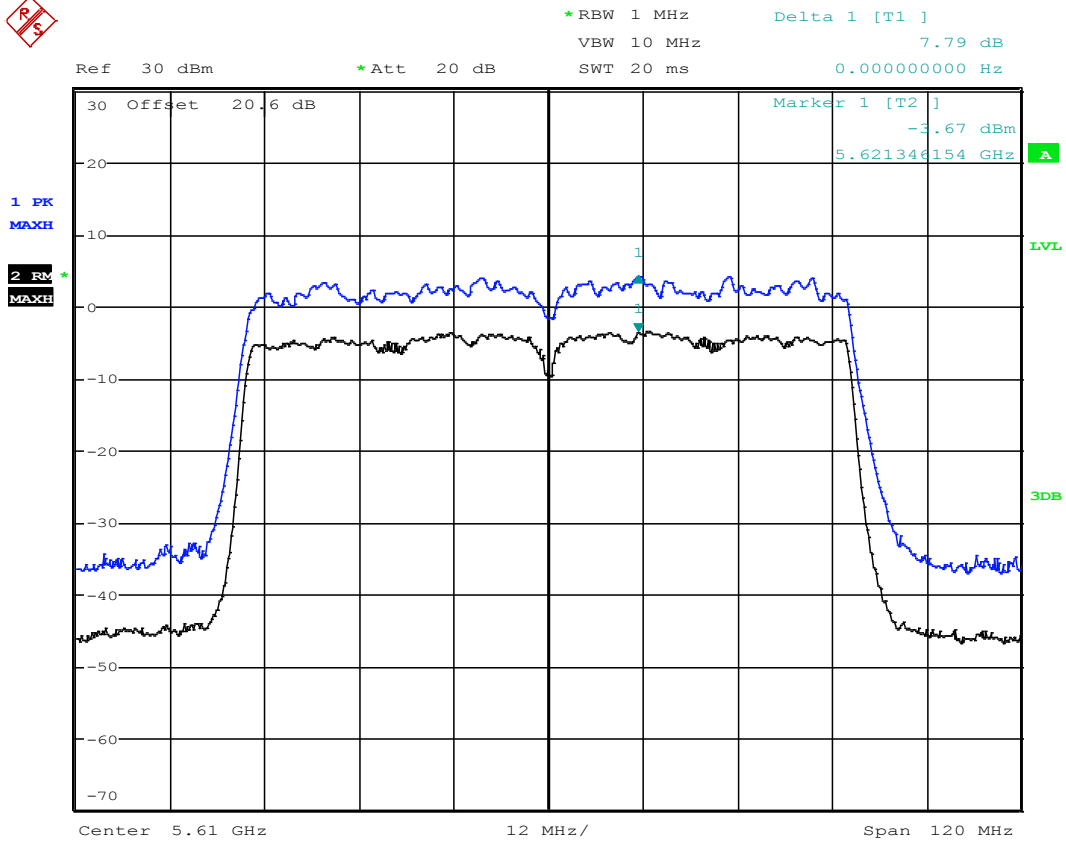
Date: 10.MAR.2014 21:46:41

### Diagram Ch106, AC80-Mode



Date: 10.MAR.2014 21:34:33

### Diagram Ch122, AC80-Mode

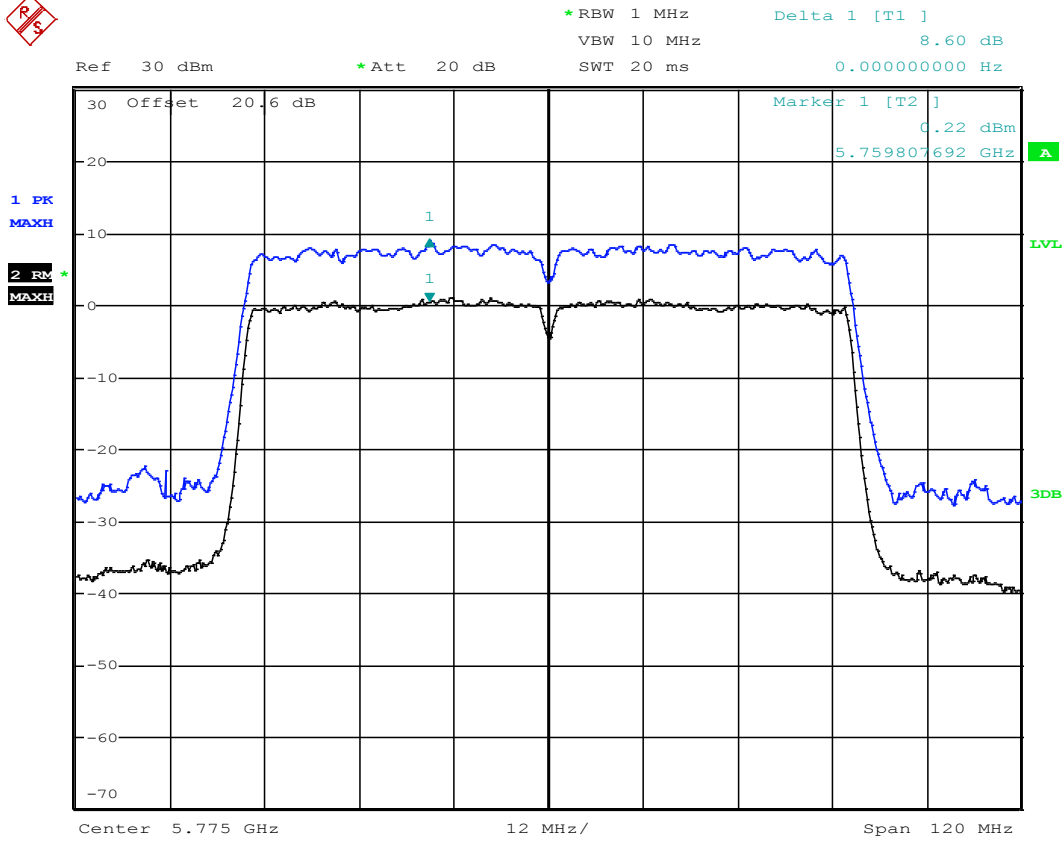


Date: 10.MAR.2014 21:53:12

### Diagram Ch122, AC80-Mode

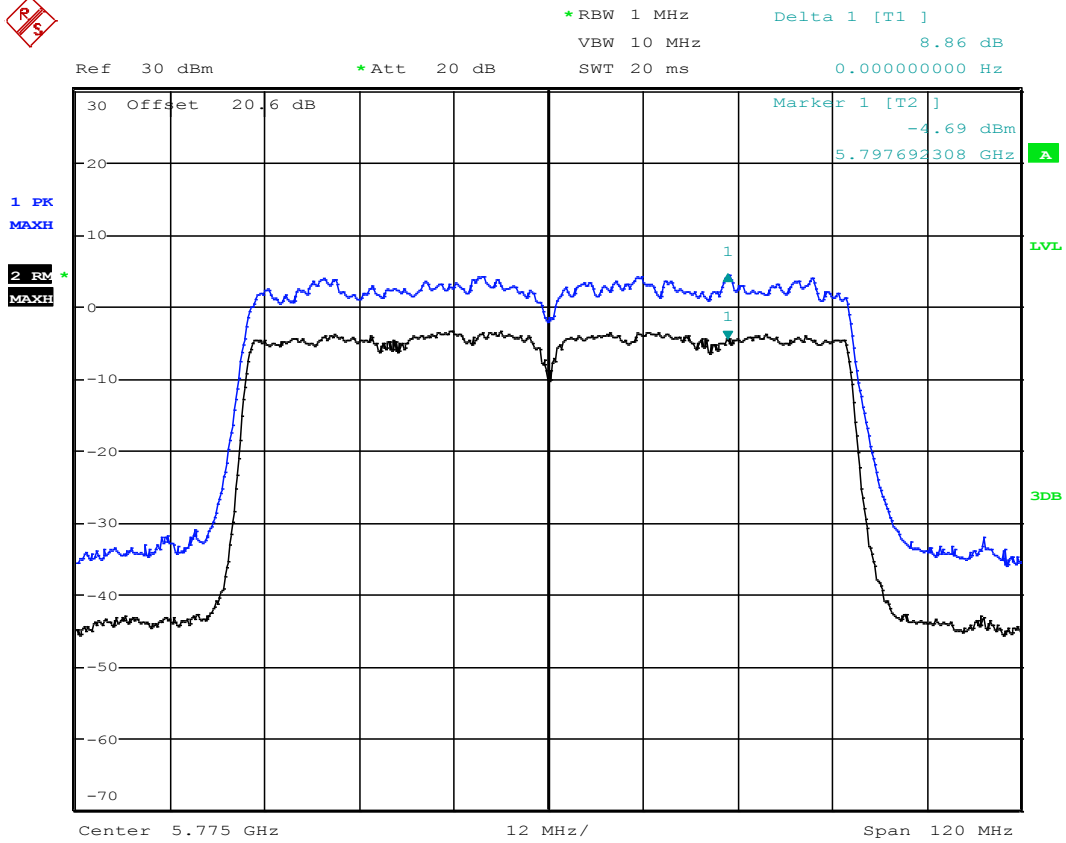


### 0.4.4. UNII-3 Band



Date: 10.MAR.2014 21:36:18

**Diagram Ch155, AC80-Mode**

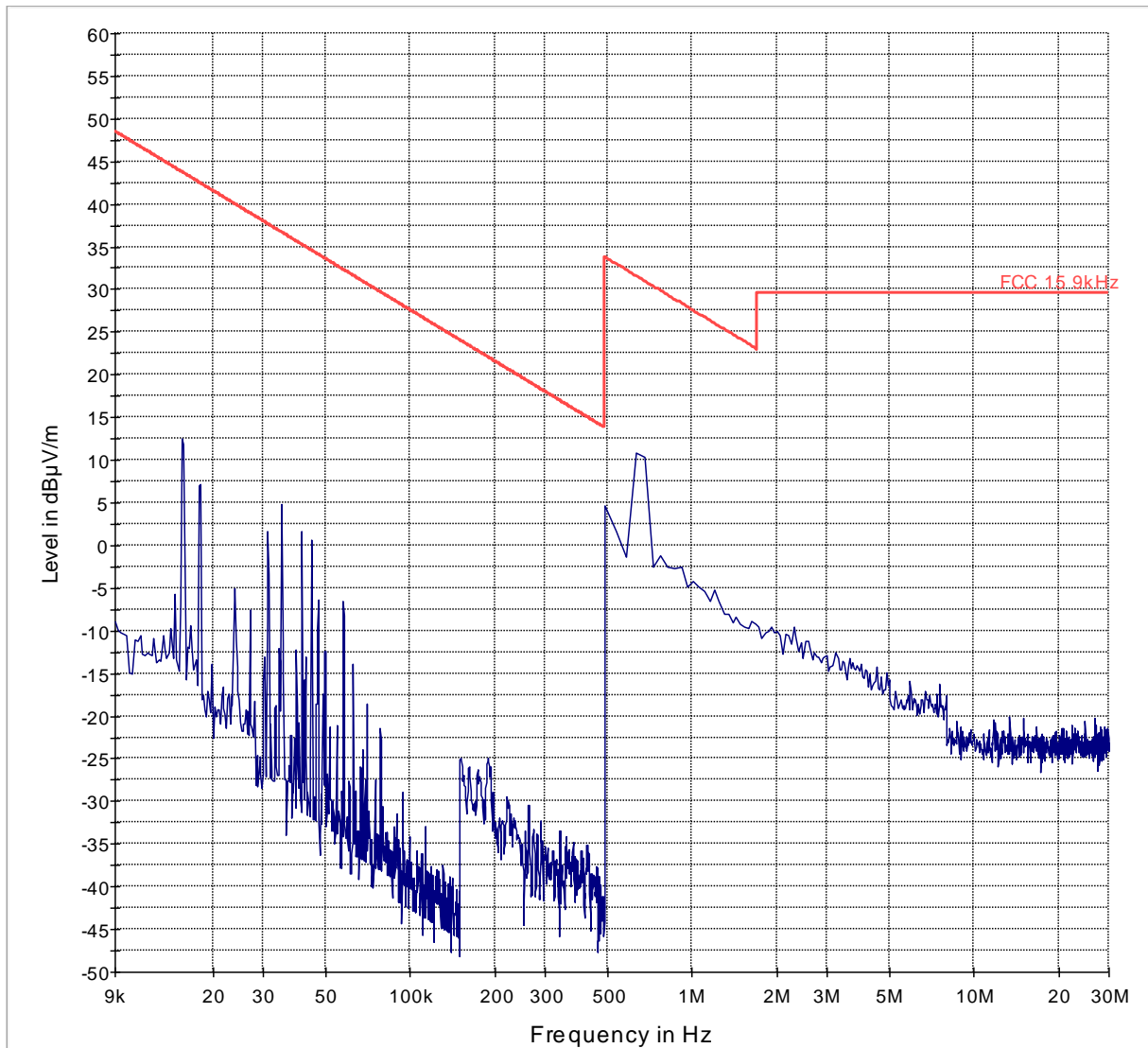


Date: 10.MAR.2014 21:59:28

### Diagram Ch155, AC80-Mode

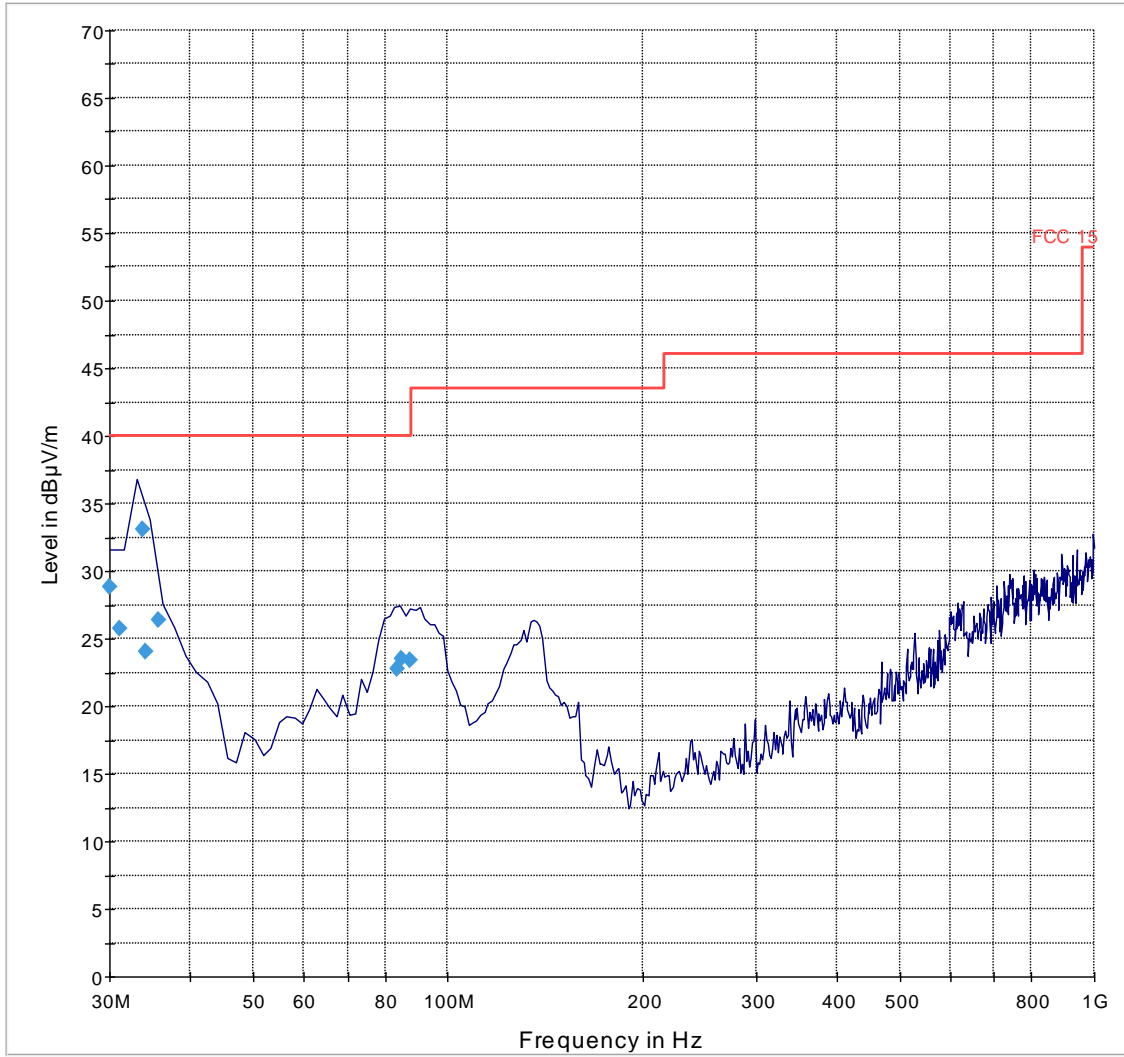
# Spurious Emissions

## UNII-1 Band

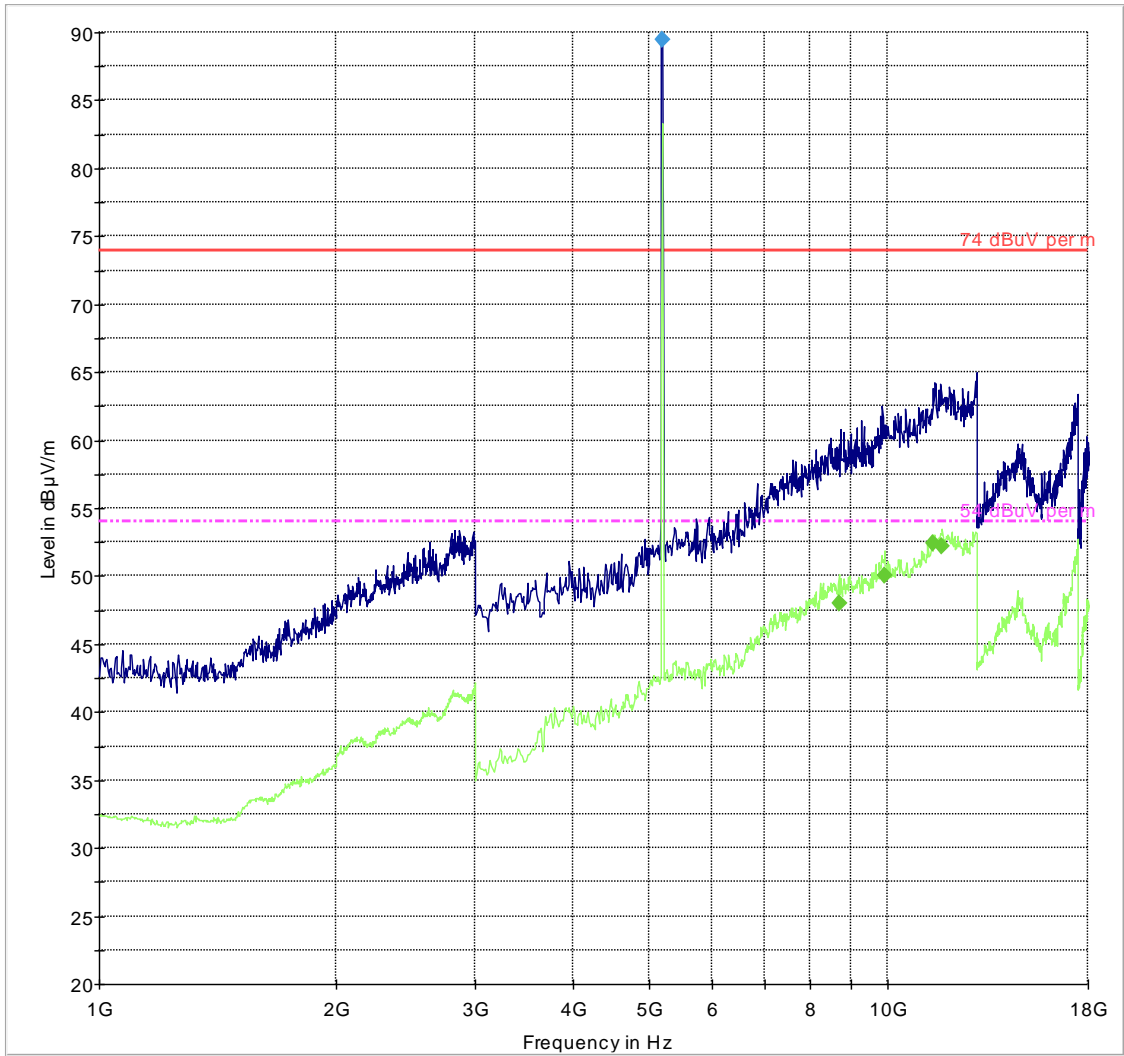


— FCC 15.9kHz — Preview Result 1-PK+

## 802.11a Ch36 9kHz–30MHz

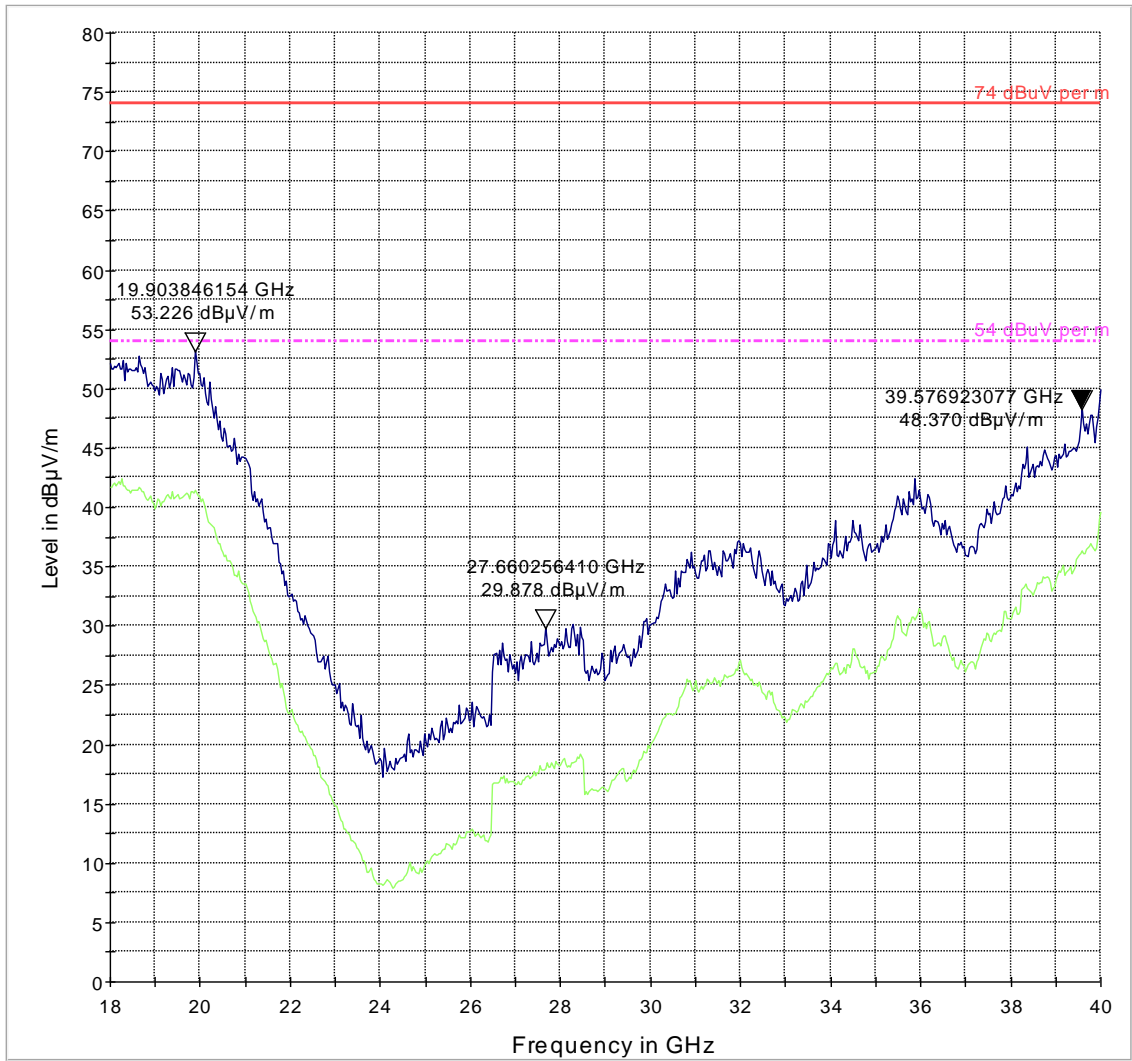


802.11a Ch36 30MHz-1GHz



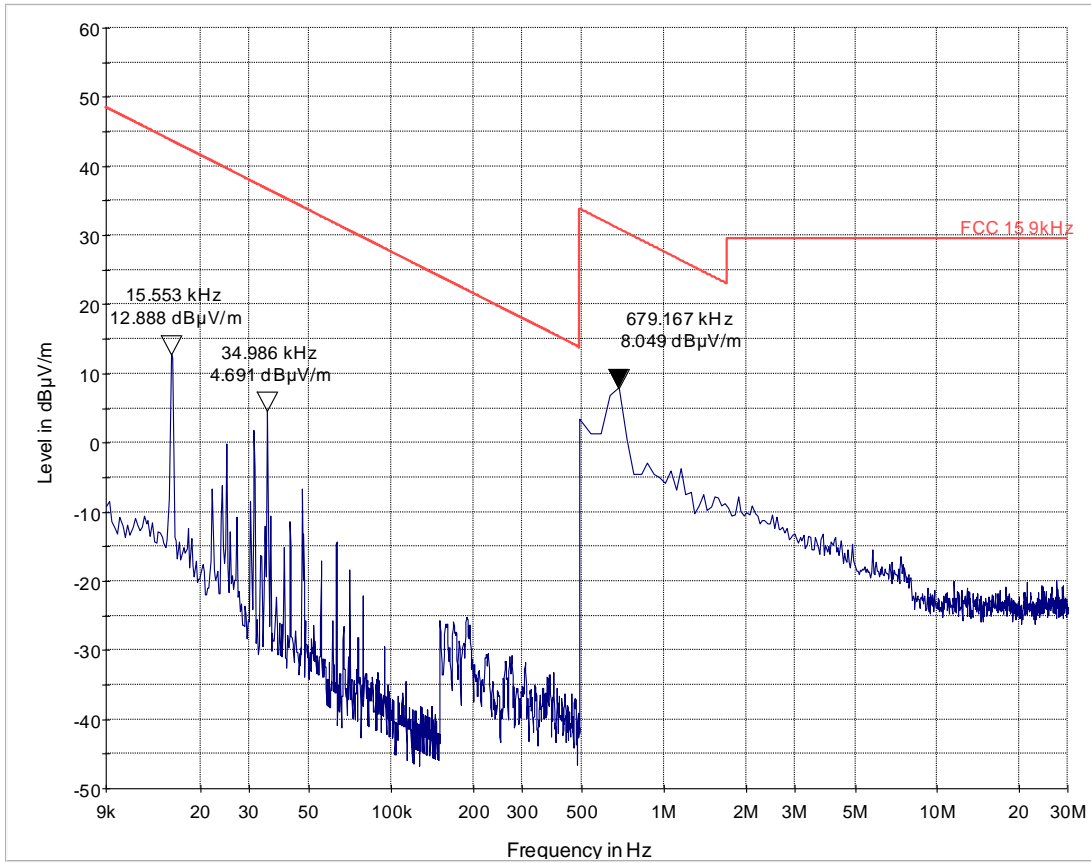
— 74 dBuV per m      - - - 54 dBuV per m      — Preview Result 1-PK+  
— Preview Result 2-AVG      ◆ Final Result 1-PK+      ◆ Final Result 2-AVG

## 802.11n Ch36 1GHz–18GHz



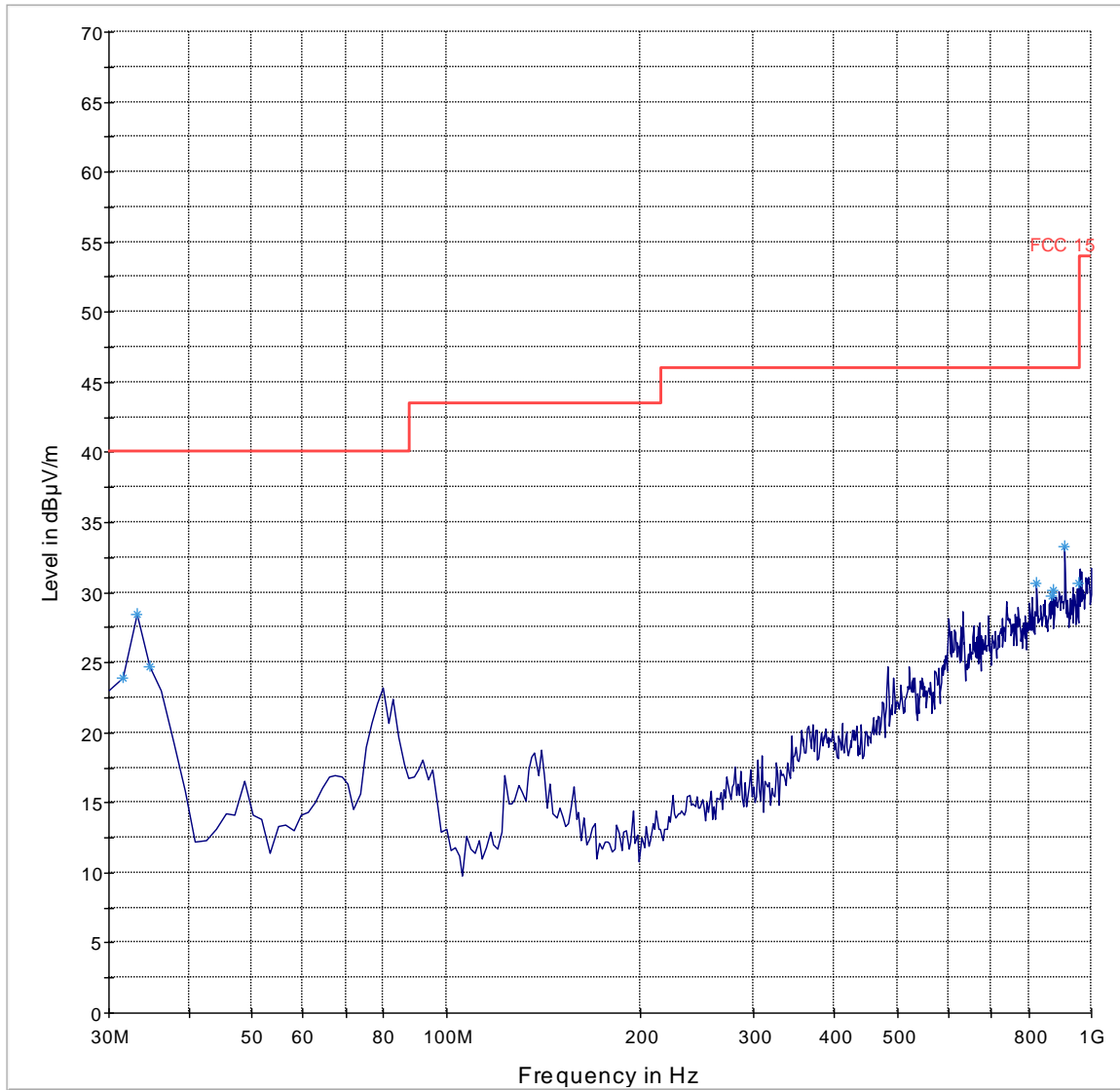
— 74 dBuV per m   
 - - - 54 dBuV per m   
 — Preview Result 1-PK+   
 — Preview Result 2-AVG

## 802.11a Ch36 18GHz-40GHz



— FCC 15.9kHz — Preview Result 1-PK+

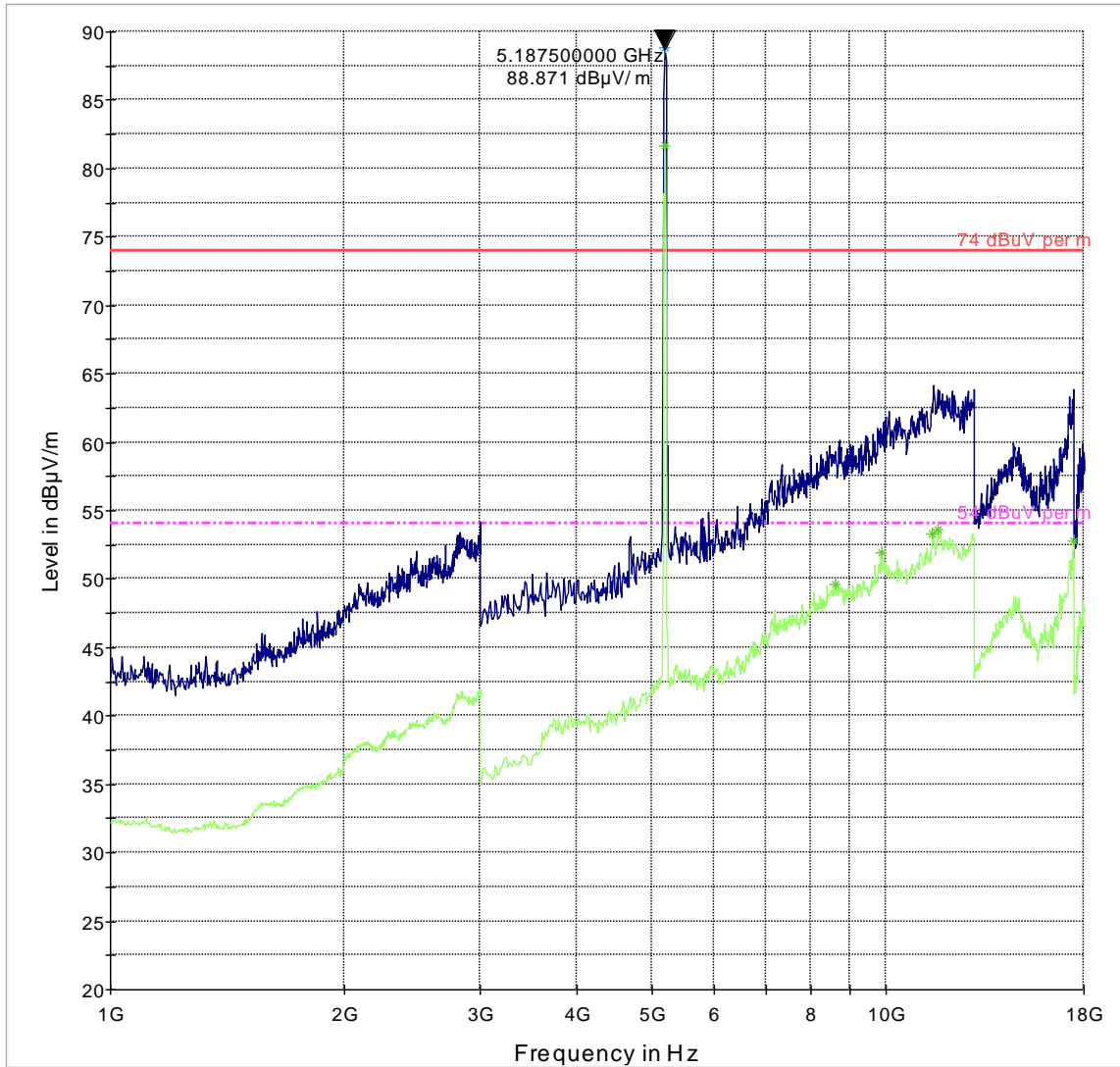
# 802.11n Ch38 9kHz-30MHz



— FCC 15    — Preview Result 1-PK+    \* Data Reduction Result 1 [3]-PK+

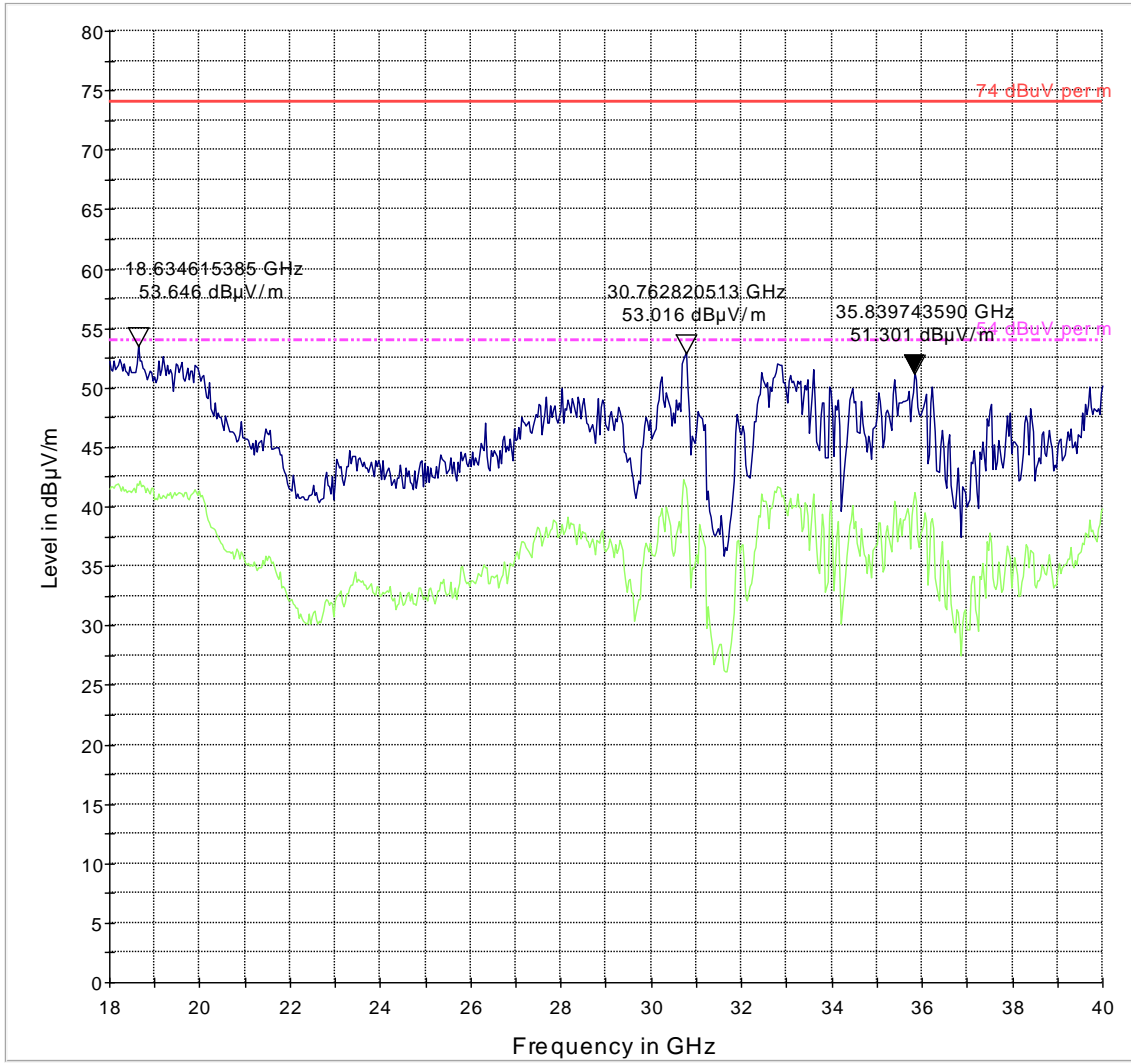
## 802.11n Ch38 30MHz-1GHz





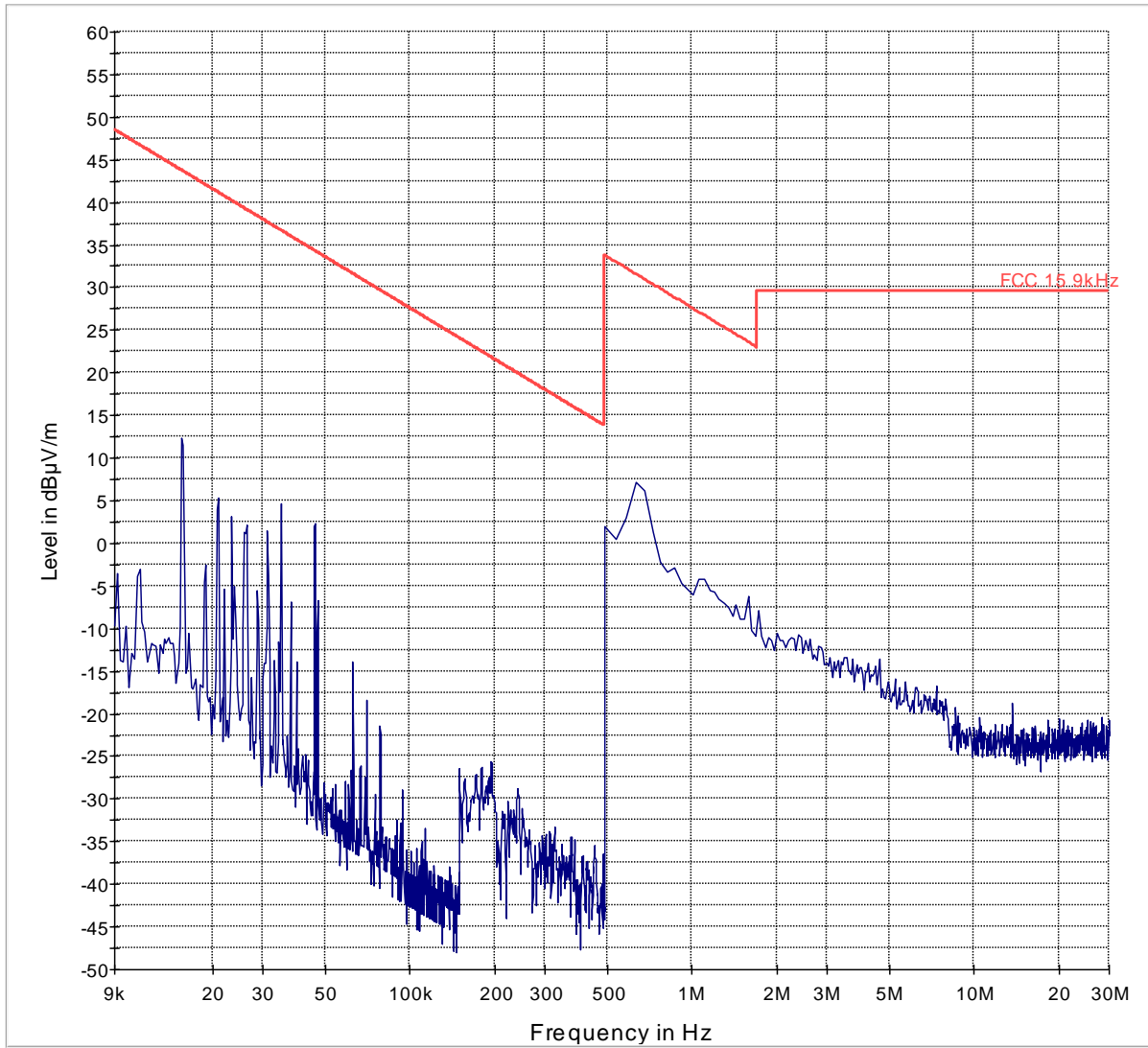
- 74 dBµV per m
- Preview Result 1-PK+
- \* Data Reduction Result 1 [4]-PK+
- - - 54 dBµV per m
- Preview Result 2-AVG
- \* Data Reduction Result 2 [4]-AVG

802.11n Ch38 1GHz-18GHz



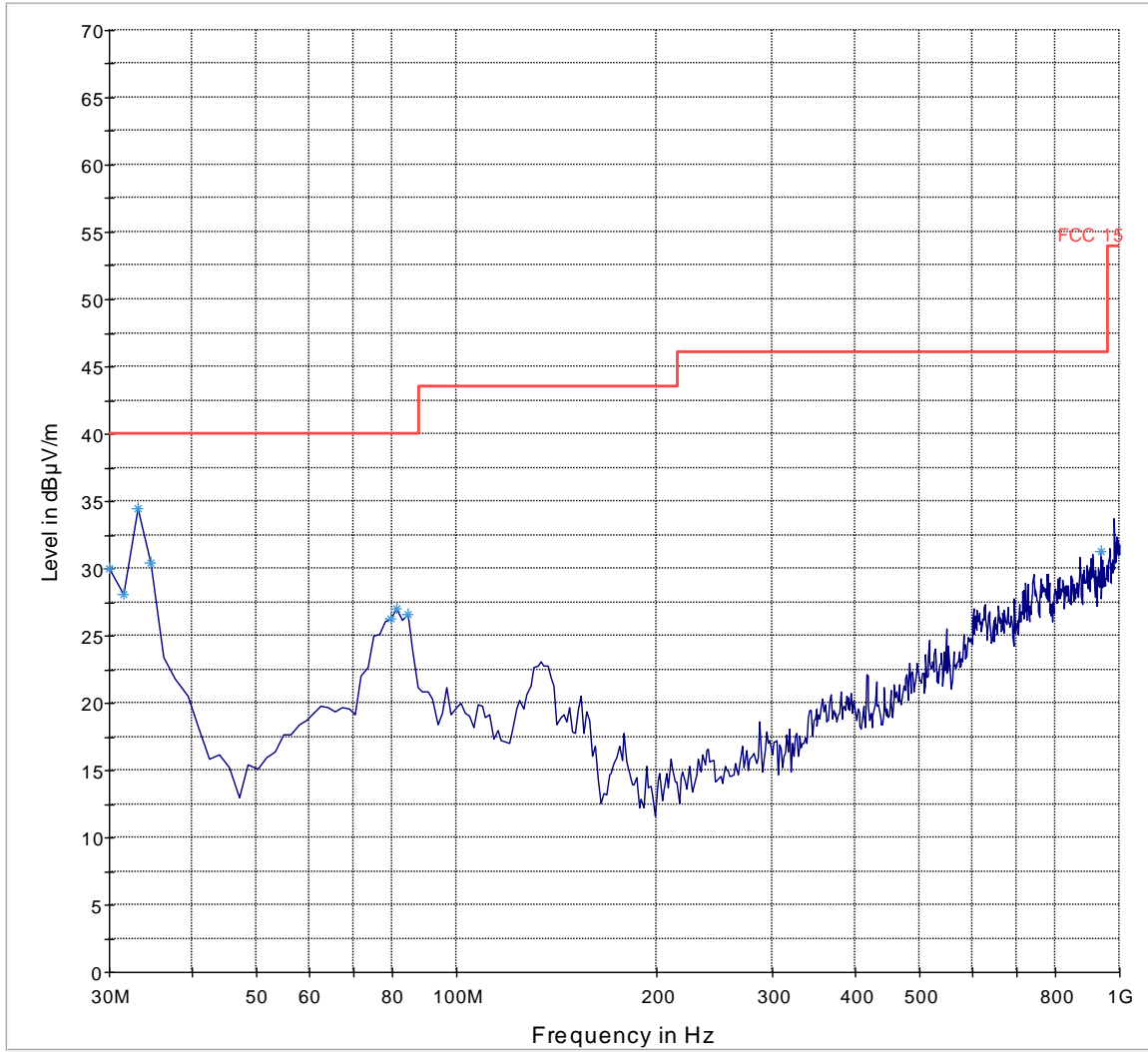
— 74 dBµV per m    - - - 54 dBµV per m    — Preview Result 1-PK+    — Preview Result 2-AVG

## 802.11n Ch38 18GHz-40GHz



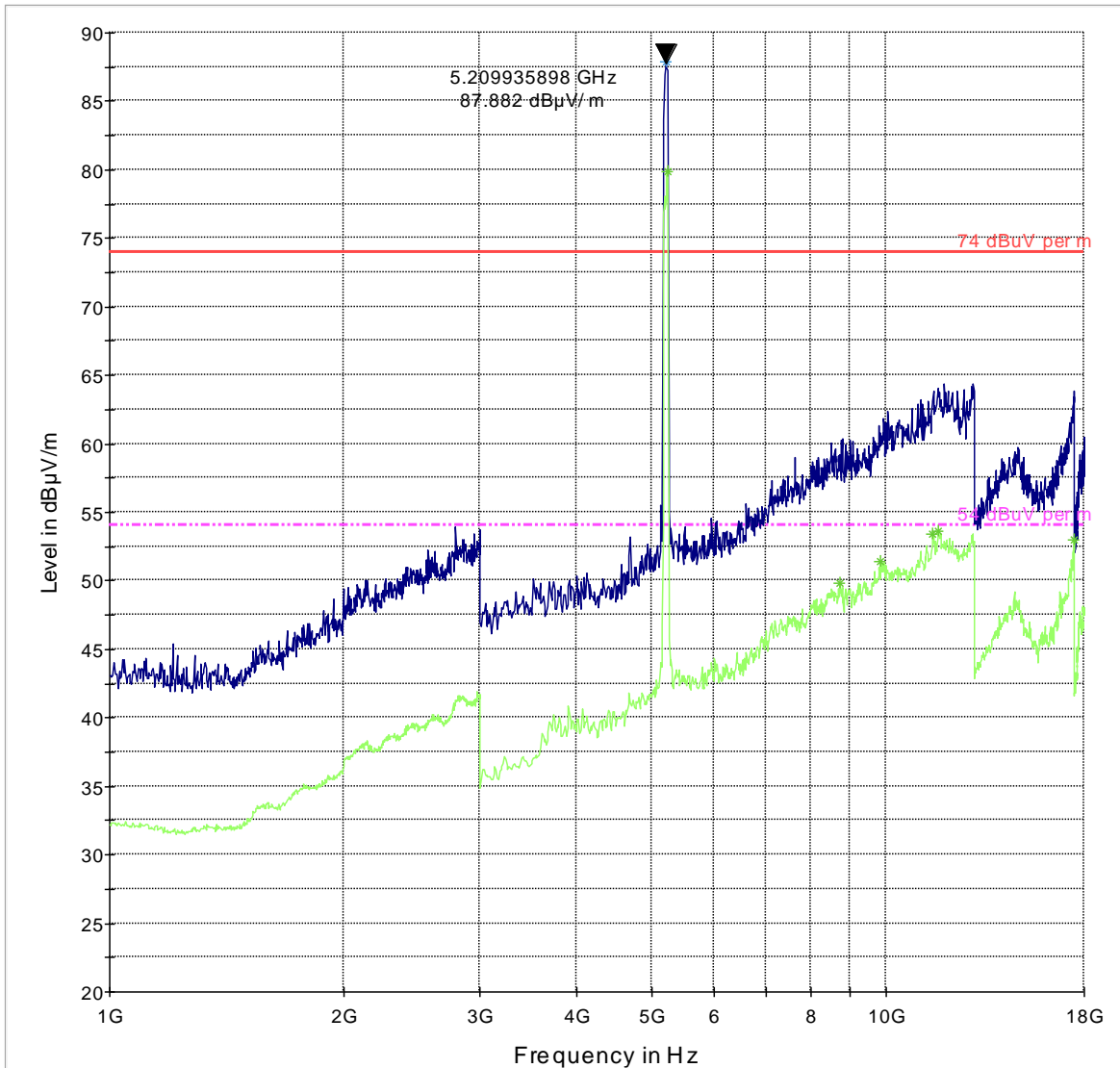
— FCC 15.9kHz — Preview Result 1-PK+

## 802.11ac Ch42 9kHz-30MHz



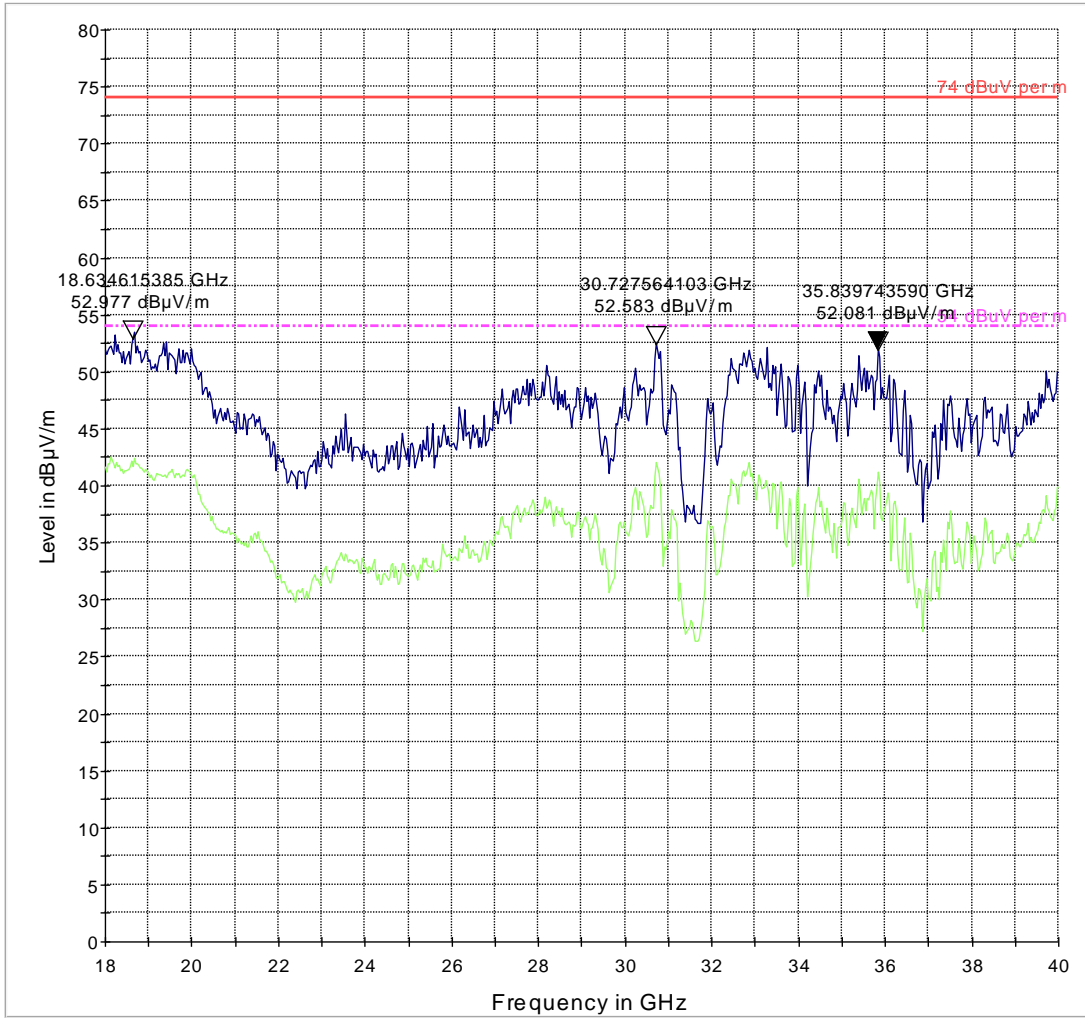
— FCC 15    — Preview Result 1-PK+    \* Data Reduction Result 1 [3]-PK+

## 802.11ac Ch42 30MHz-1GHz



- 74 dBµV per m
- Preview Result 1-PK+
- \* Data Reduction Result 1 [4]-PK+
- - - 54 dBµV per m
- Preview Result 2-AVG
- \* Data Reduction Result 2 [4]-AVG

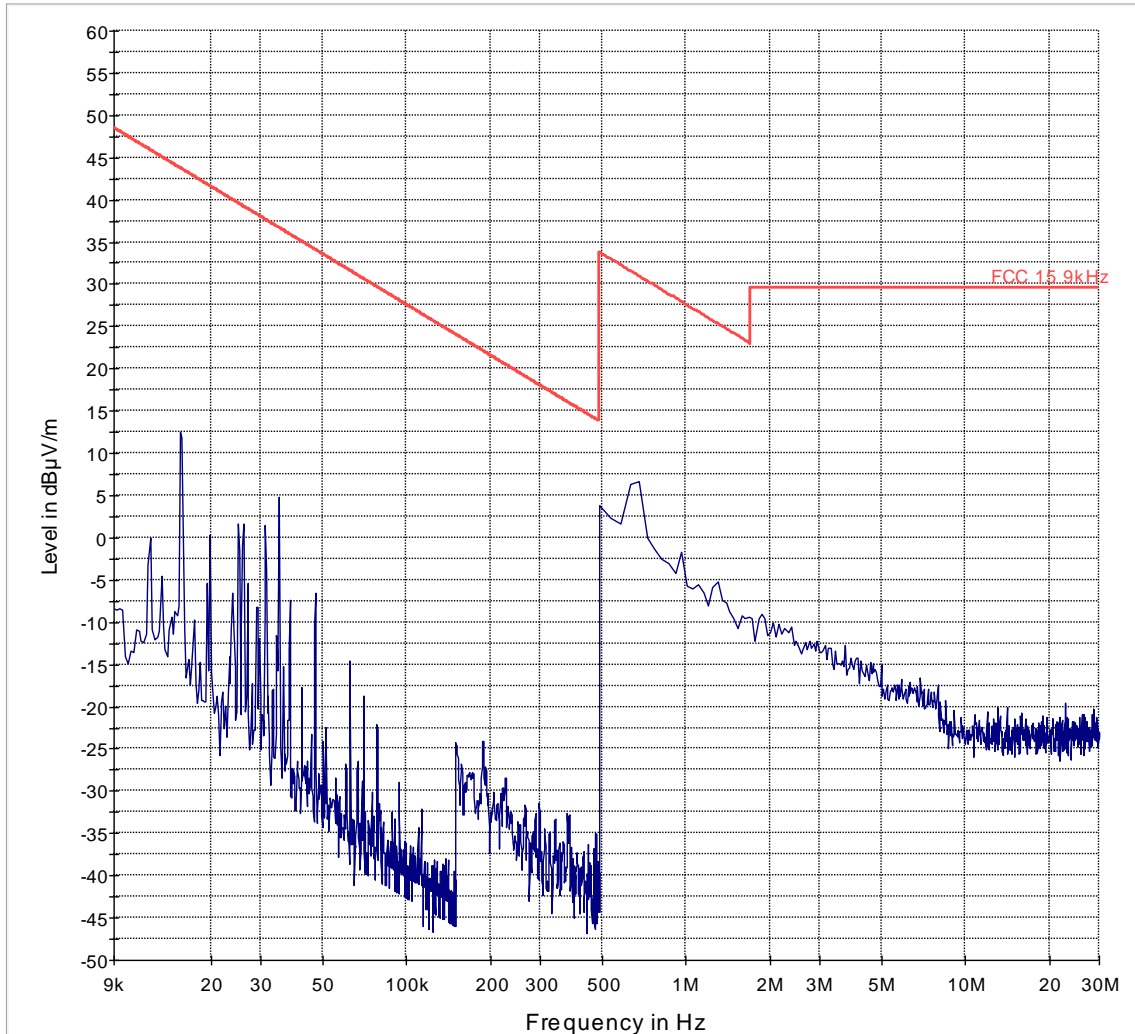
## 802.11ac Ch42 1GHz-18GHz



— 74 dBuV per m    - - - 54 dBuV per m    — Preview Result 1-PK+    — Preview Result 2-AVG

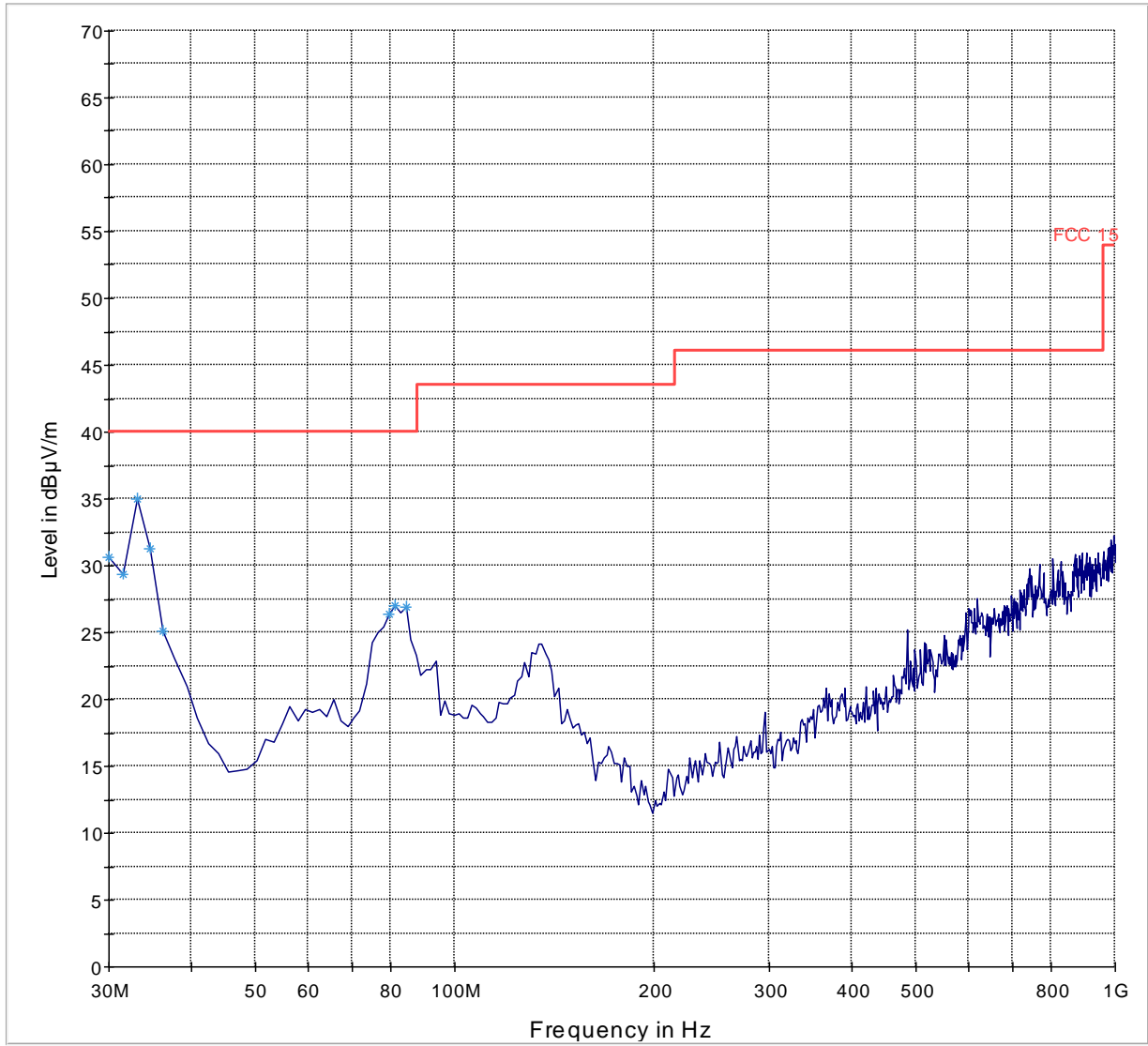
## 802.11ac Ch42 18GHz-40GHz

## UNII-2 Band



— FCC 15.9kHz — Preview Result 1-PK+

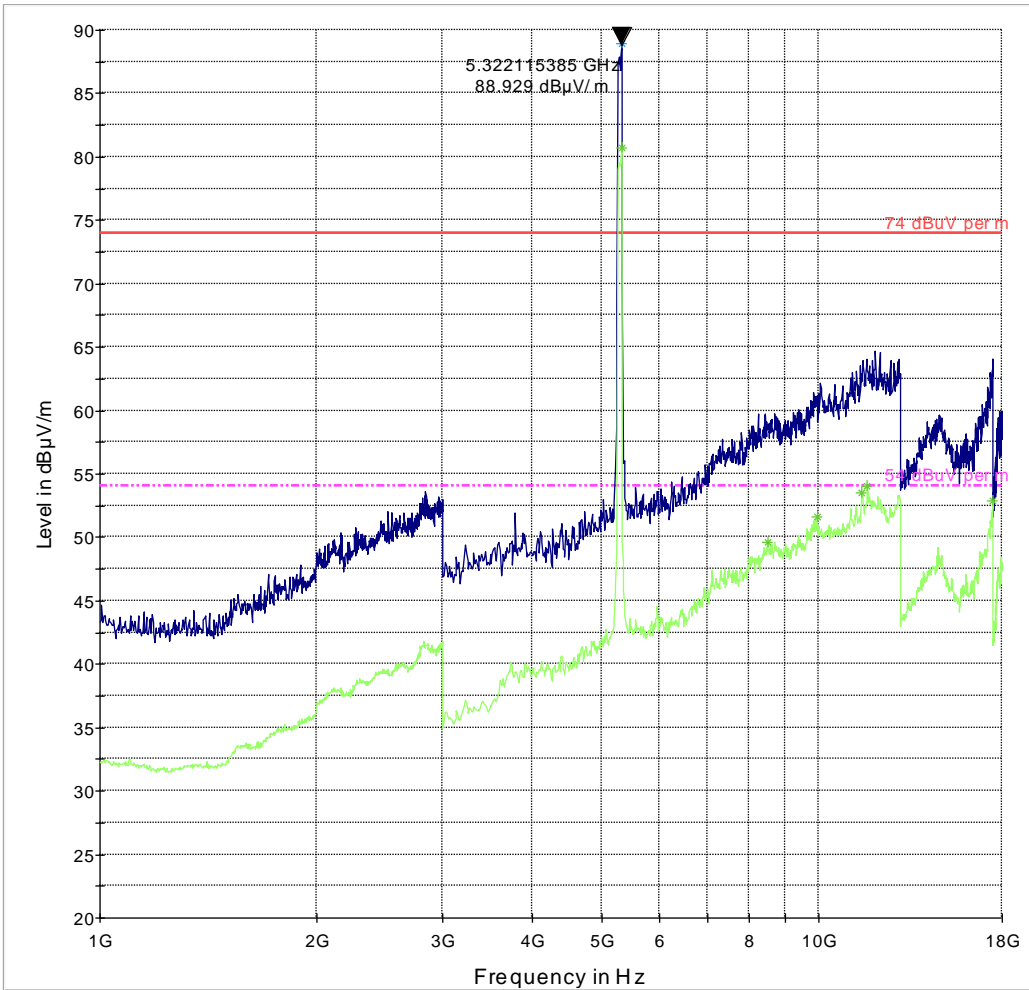
## 802.11ac Ch58 9kHz-30MHz



— FCC 15   
 — Preview Result 1-PK+   
 \* Data Reduction Result 1 [3]-PK+

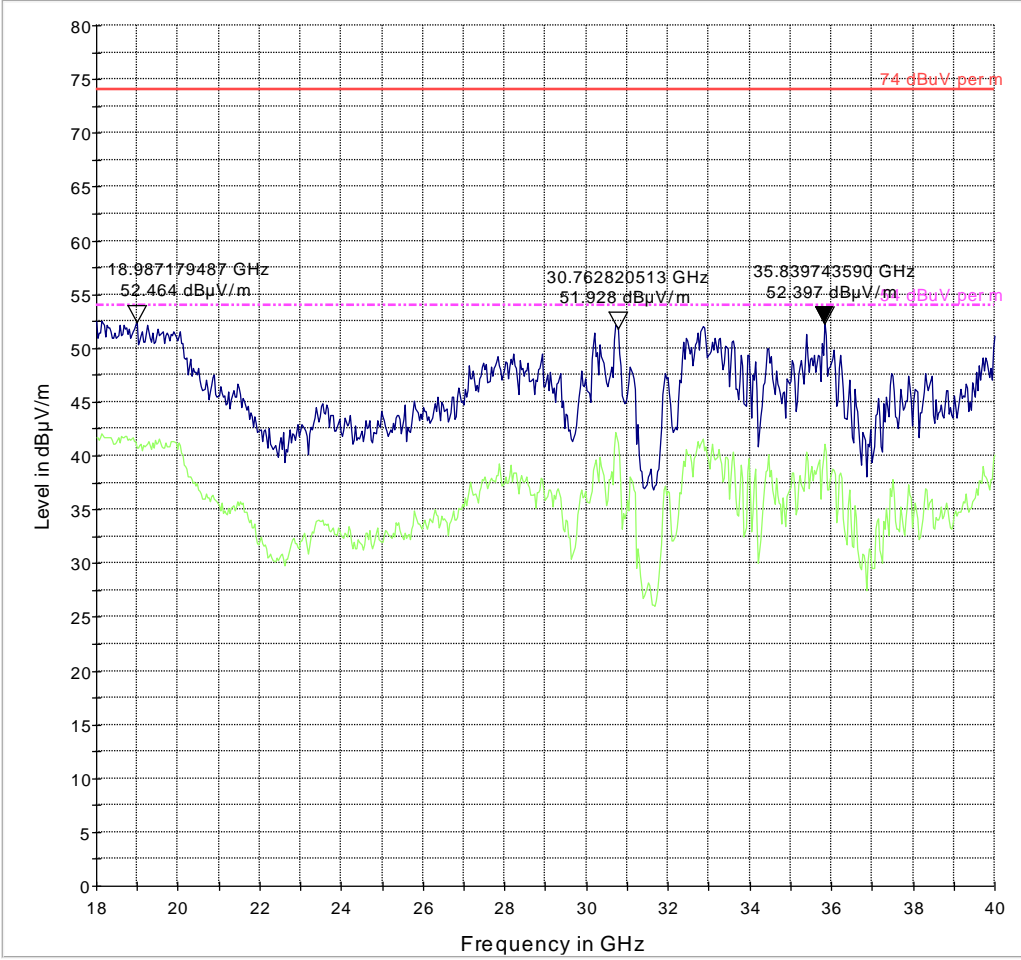
## 802.11ac Ch58 30MHz-1GHz





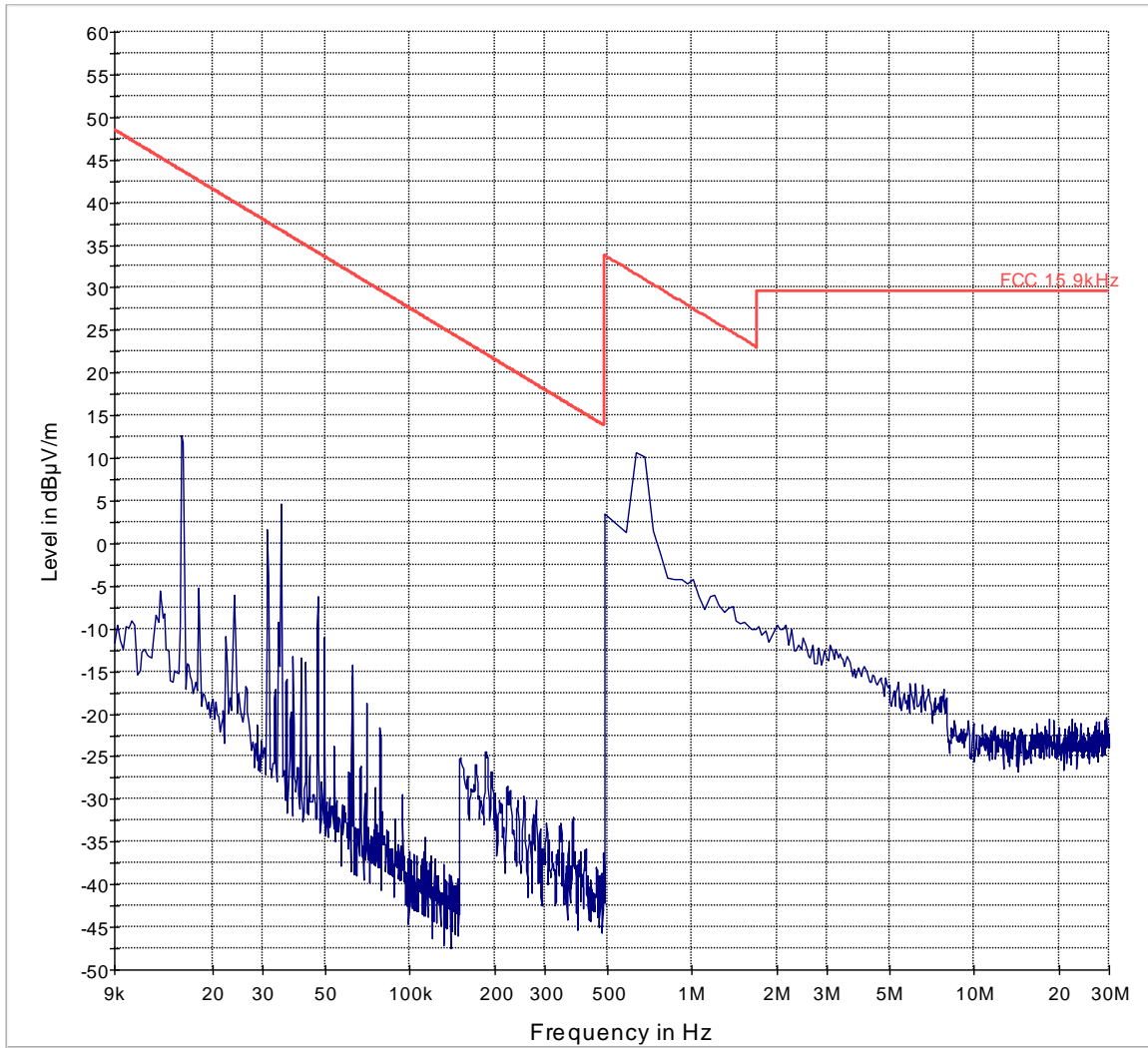
- 74 dBµV per m
- Preview Result 1-PK+
- \* Data Reduction Result 1 [4]-PK+
- - - 54 dBµV per m
- Preview Result 2-AVG
- \* Data Reduction Result 2 [4]-AVG

## 802.11ac Ch58 1GHz-18GHz



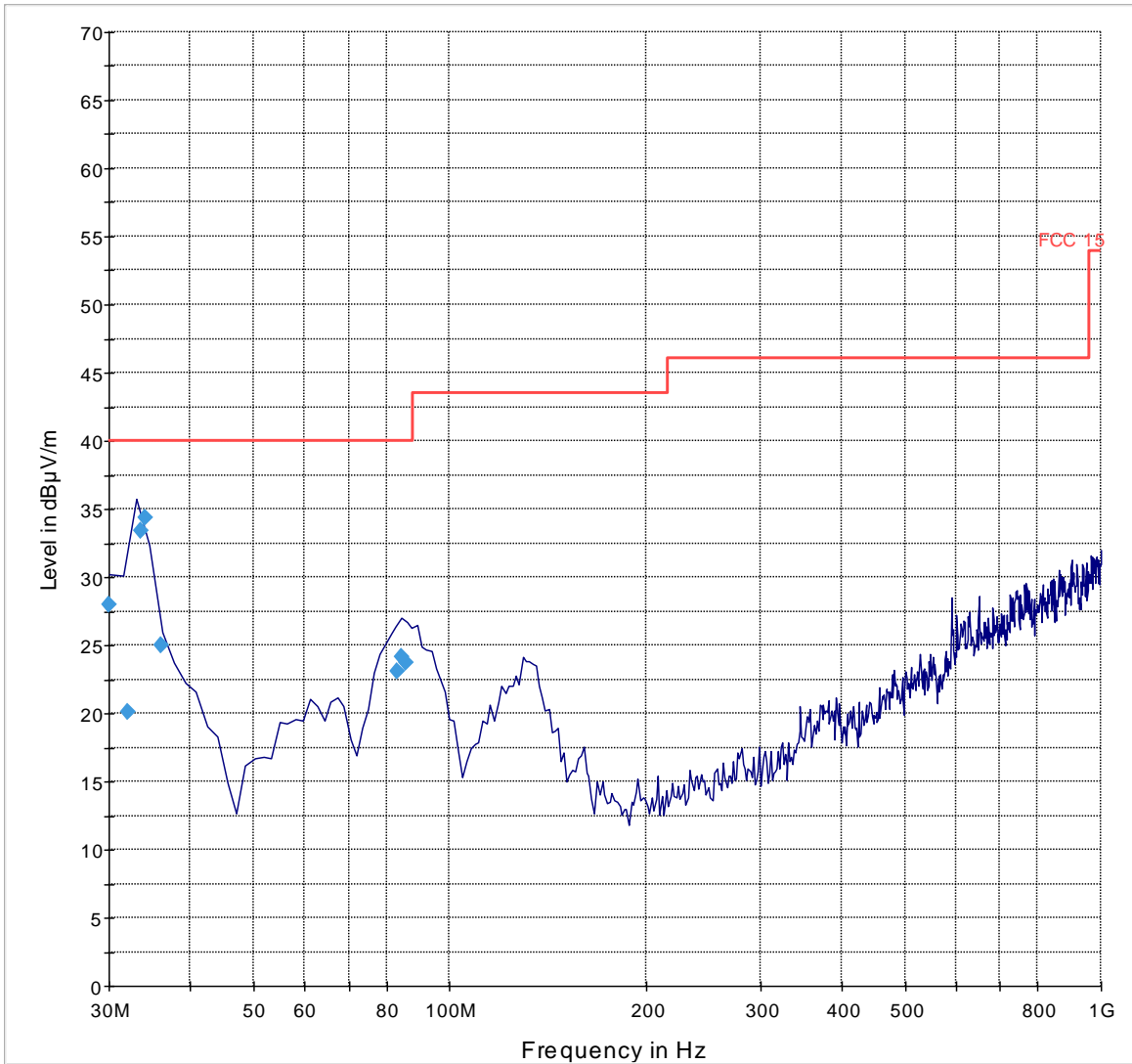
— 74 dBuV per m   
 - - - 54 dBuV per m   
 — Preview Result 1-PK+   
 — Preview Result 2-AVG

# 802.11ac Ch58 18GHz-40GHz



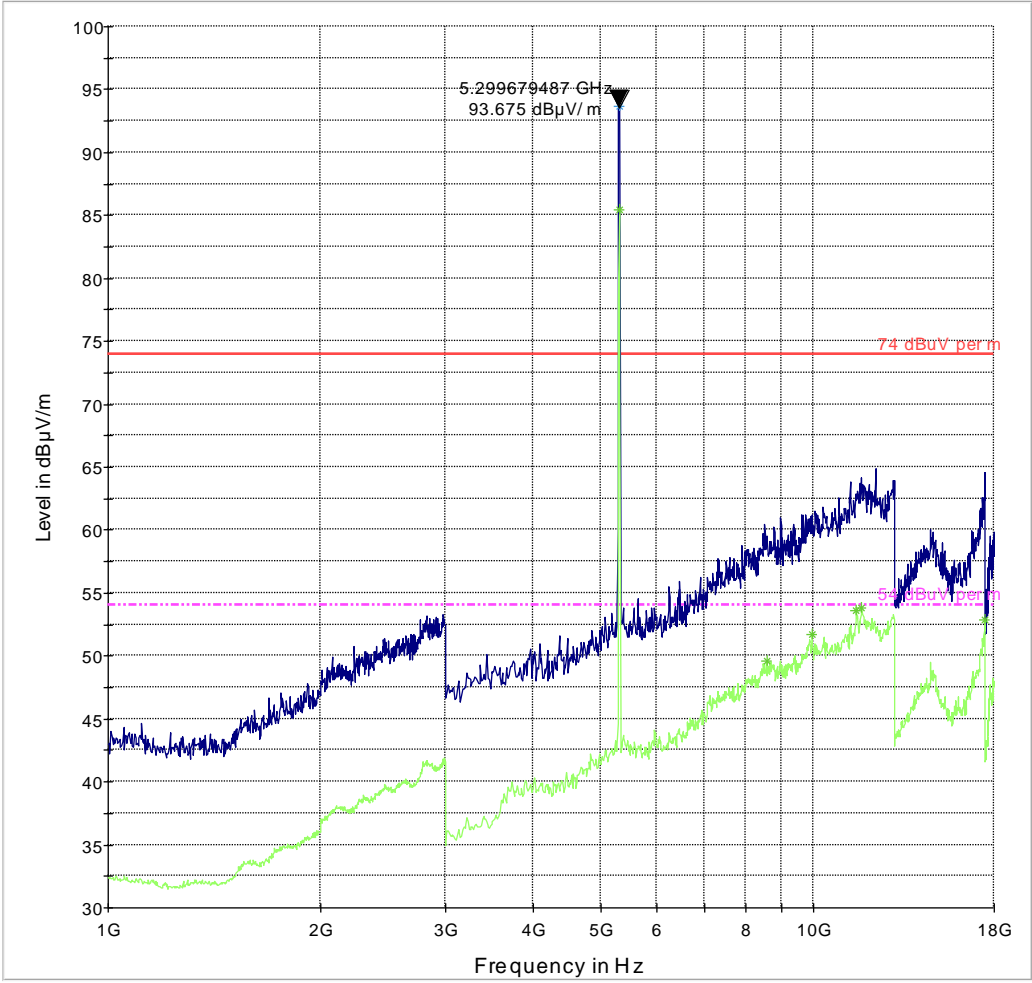
— FCC 15.9kHz — Preview Result 1-PK+

## 802.11a Ch60 9kHz-30MHz



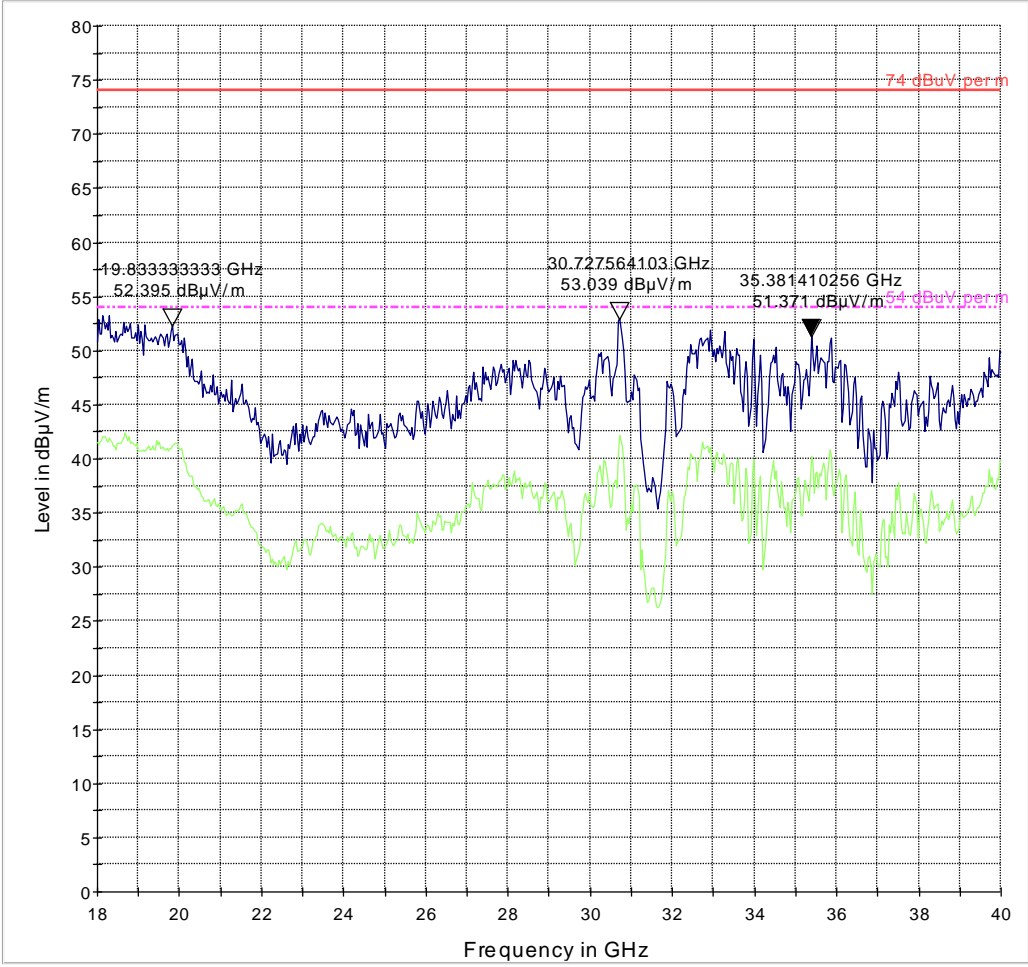
— FCC 15    — Preview Result 1-PK+    ◆ Final Result 1-QPK

## 802.11a Ch60 30MHz-1GHz



- 74 dBµV per m
- Preview Result 1-PK+
- - - 54 dBµV per m
- Preview Result 2-AVG
- \* Data Reduction Result 1 [4]-PK+
- \* Data Reduction Result 2 [4]-AVG

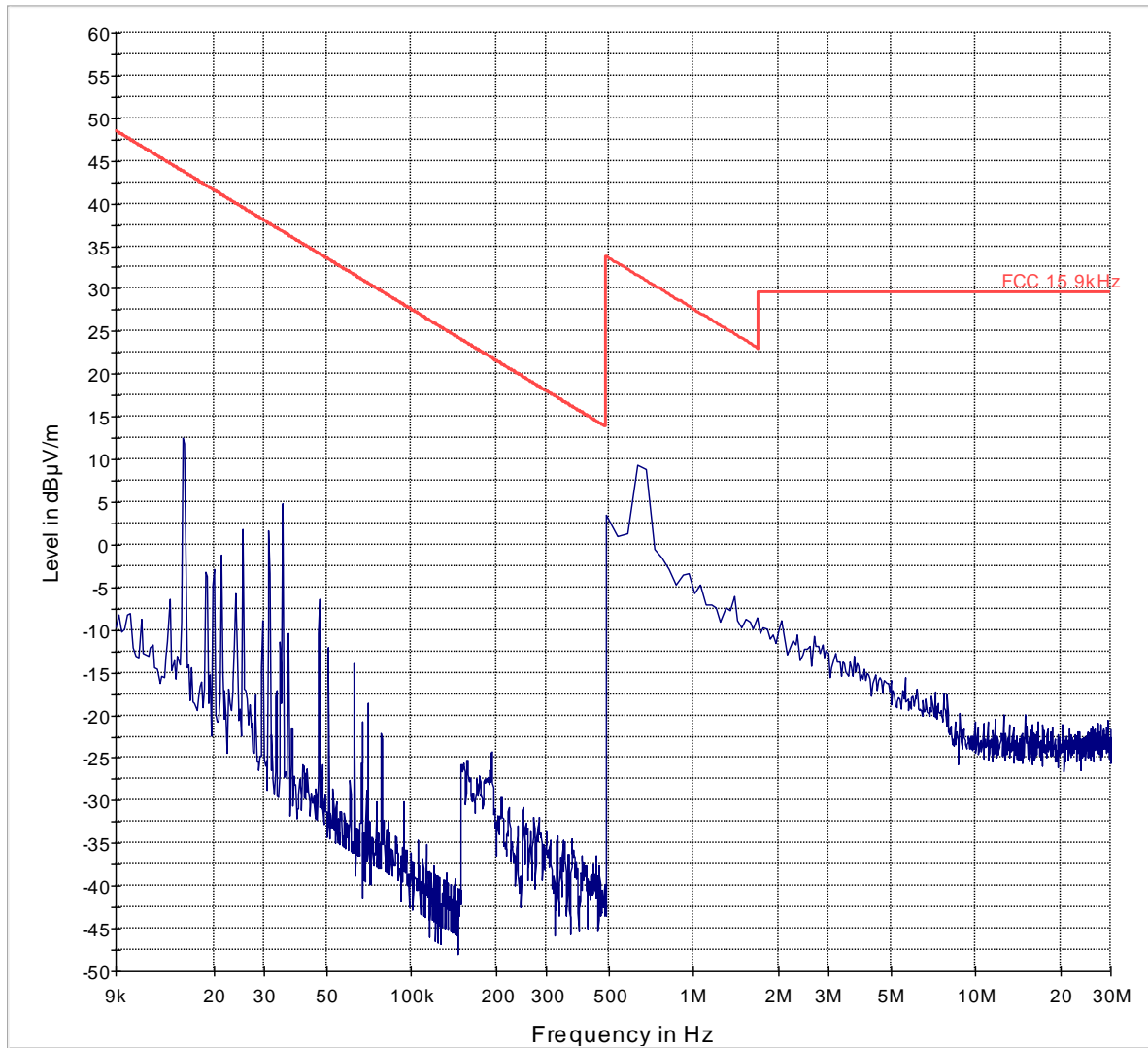
# 802.11a Ch60 1GHz-18GHz



— 74 dBuV per m    
 - - - 54 dBuV per m    
 — Preview Result 1-PK+    
 — Preview Result 2-AVG

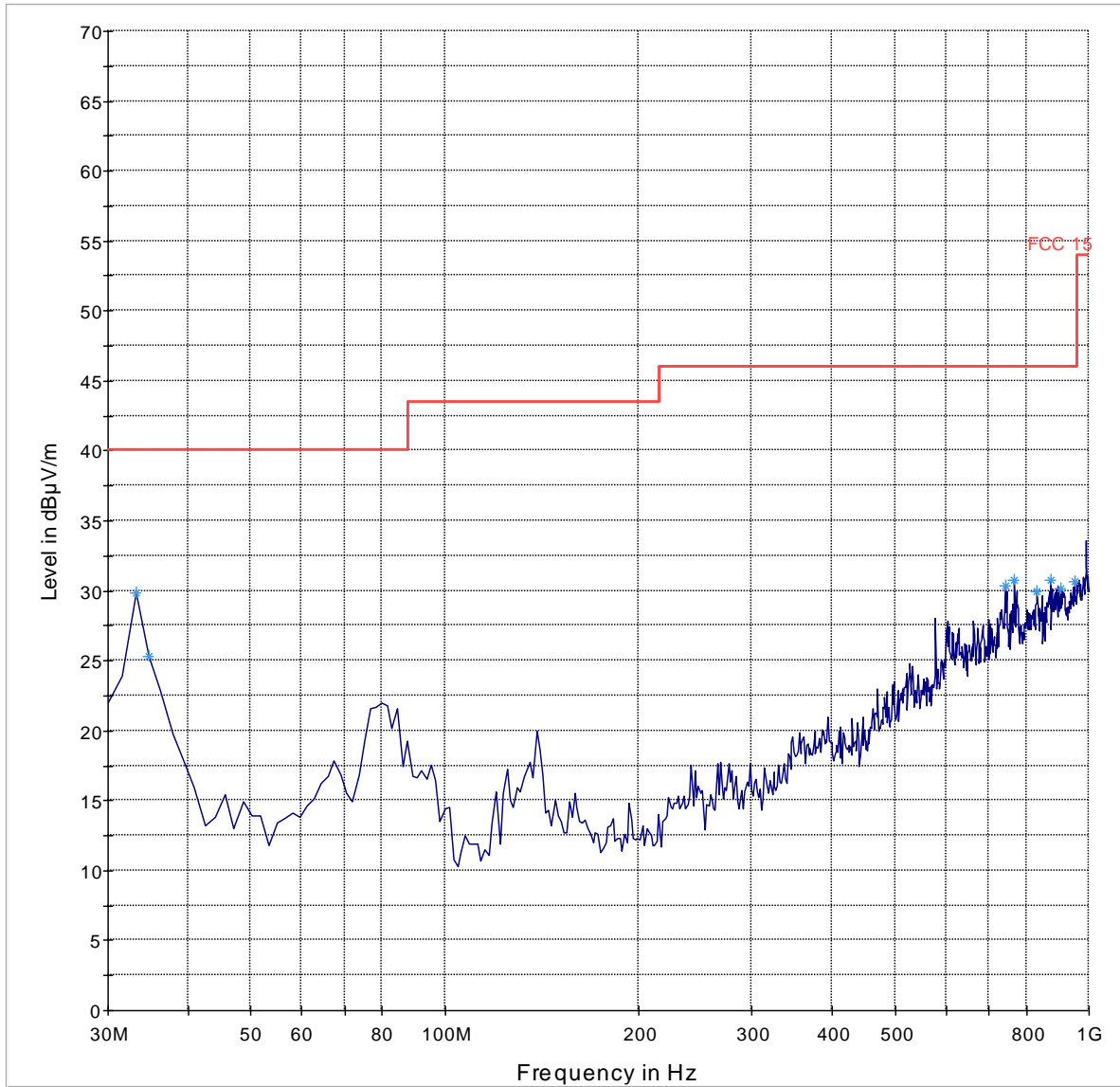
# 802.11a Ch60 18GHz-40GHz

# UNII-2e Band



— FCC 15.9kHz — Preview Result 1-PK+

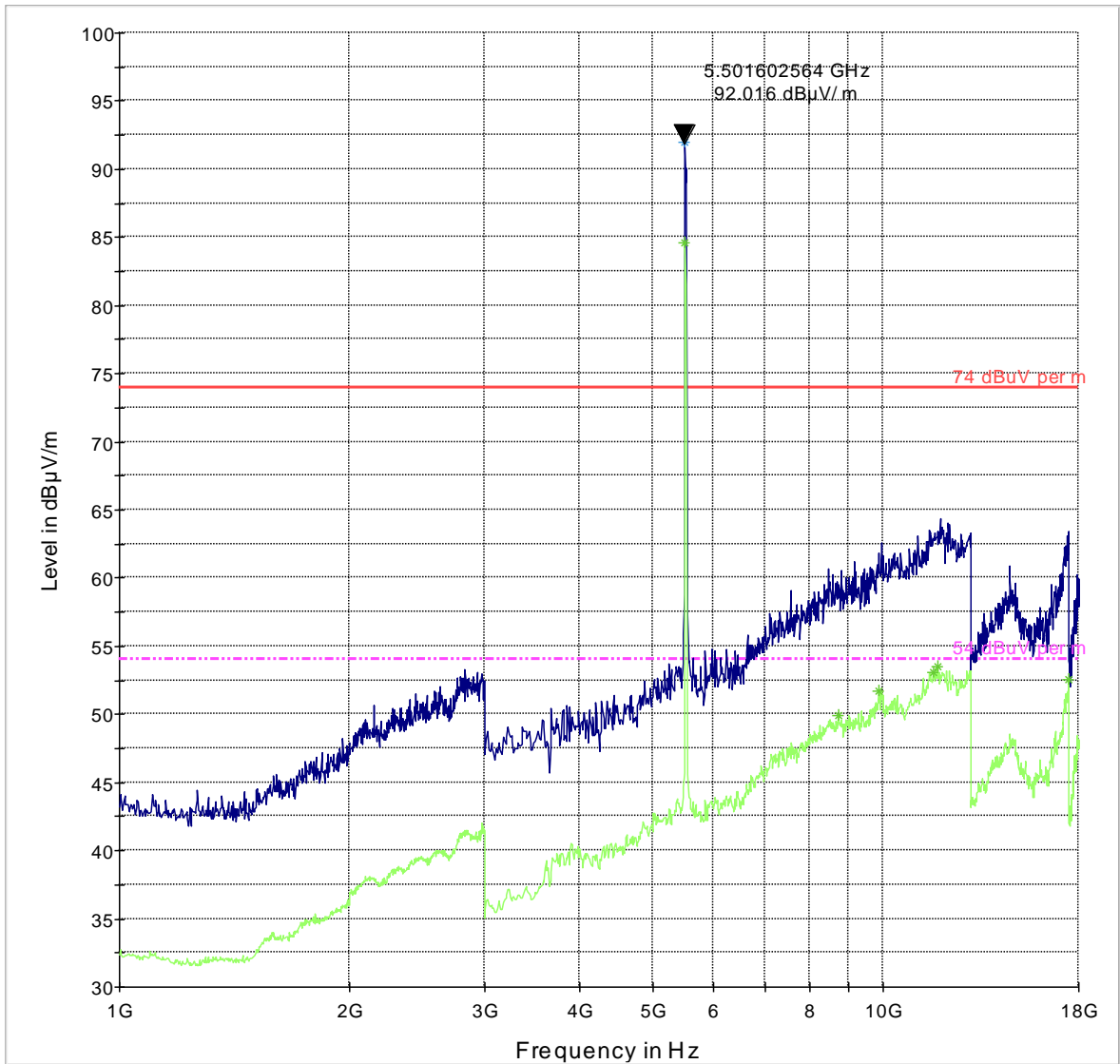
## 802.11n Ch102 9kHz-30MHz



— FCC 15    — Preview Result 1-PK+    \* Data Reduction Result 1 [3]-PK+

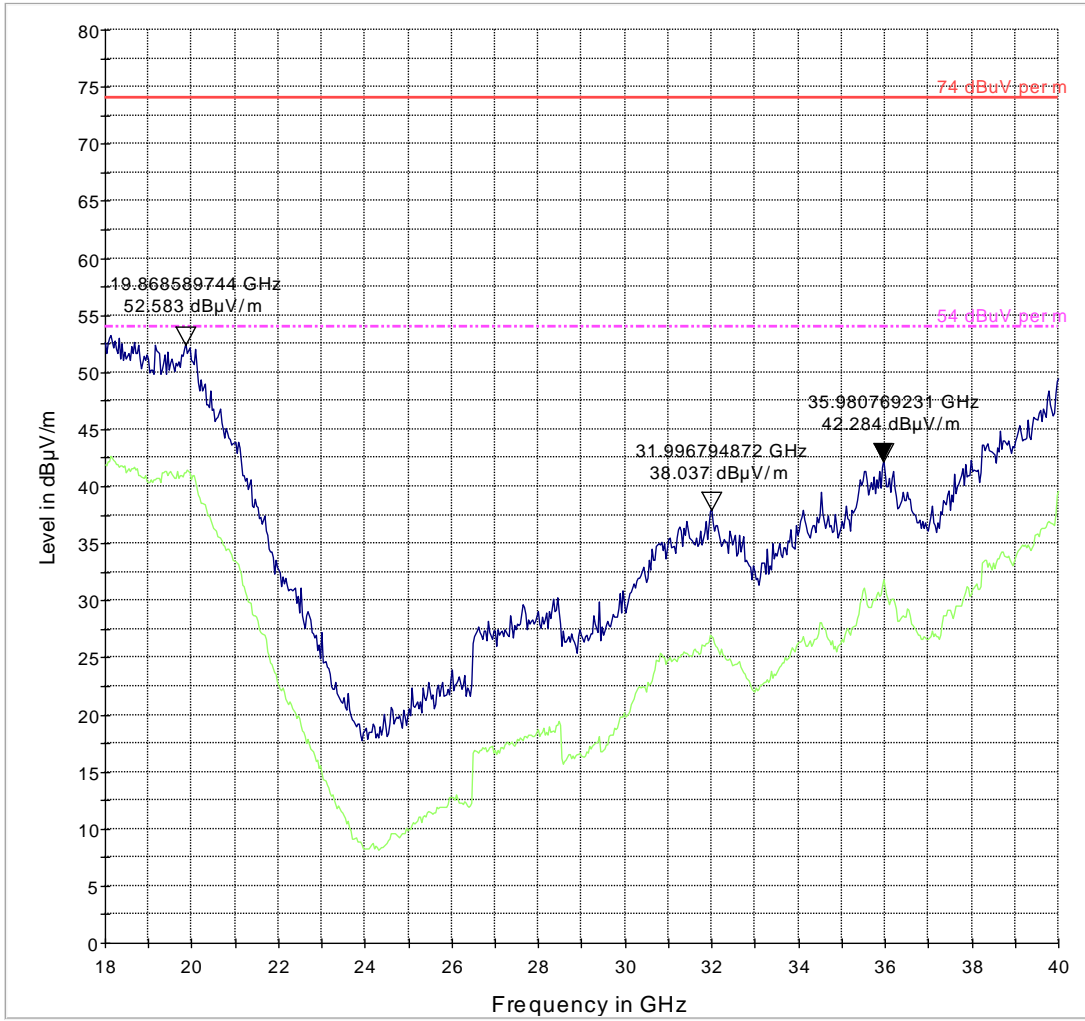
## 802.11n Ch102 30MHz-1GHz





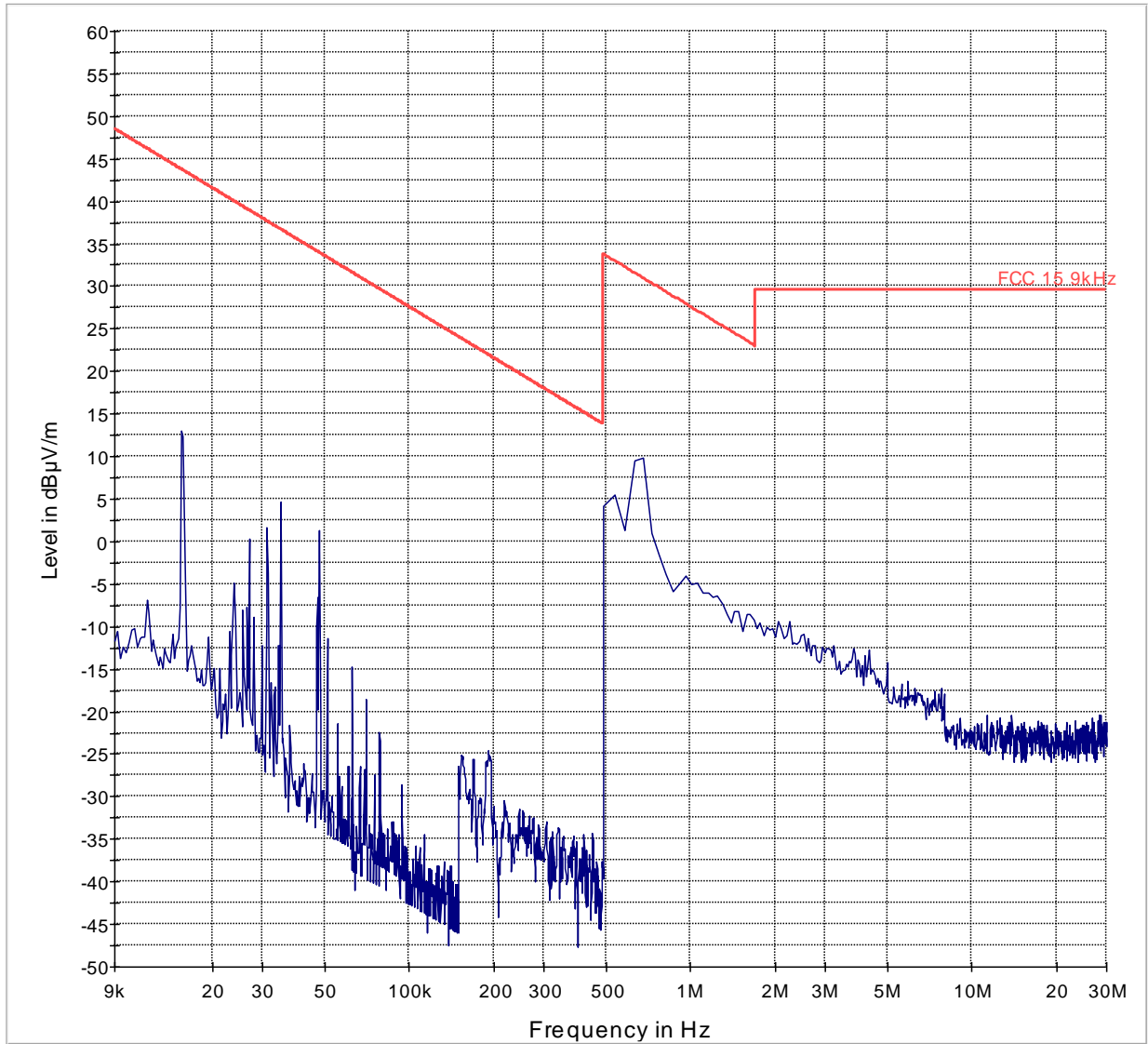
- 74 dBµV per m
- Preview Result 1-PK+
- - - 54 dBµV per m
- Preview Result 2-AVG
- \* Data Reduction Result 1 [4]-PK+
- \* Data Reduction Result 2 [4]-AVG

## 802.11n Ch102 1GHz-18GHz



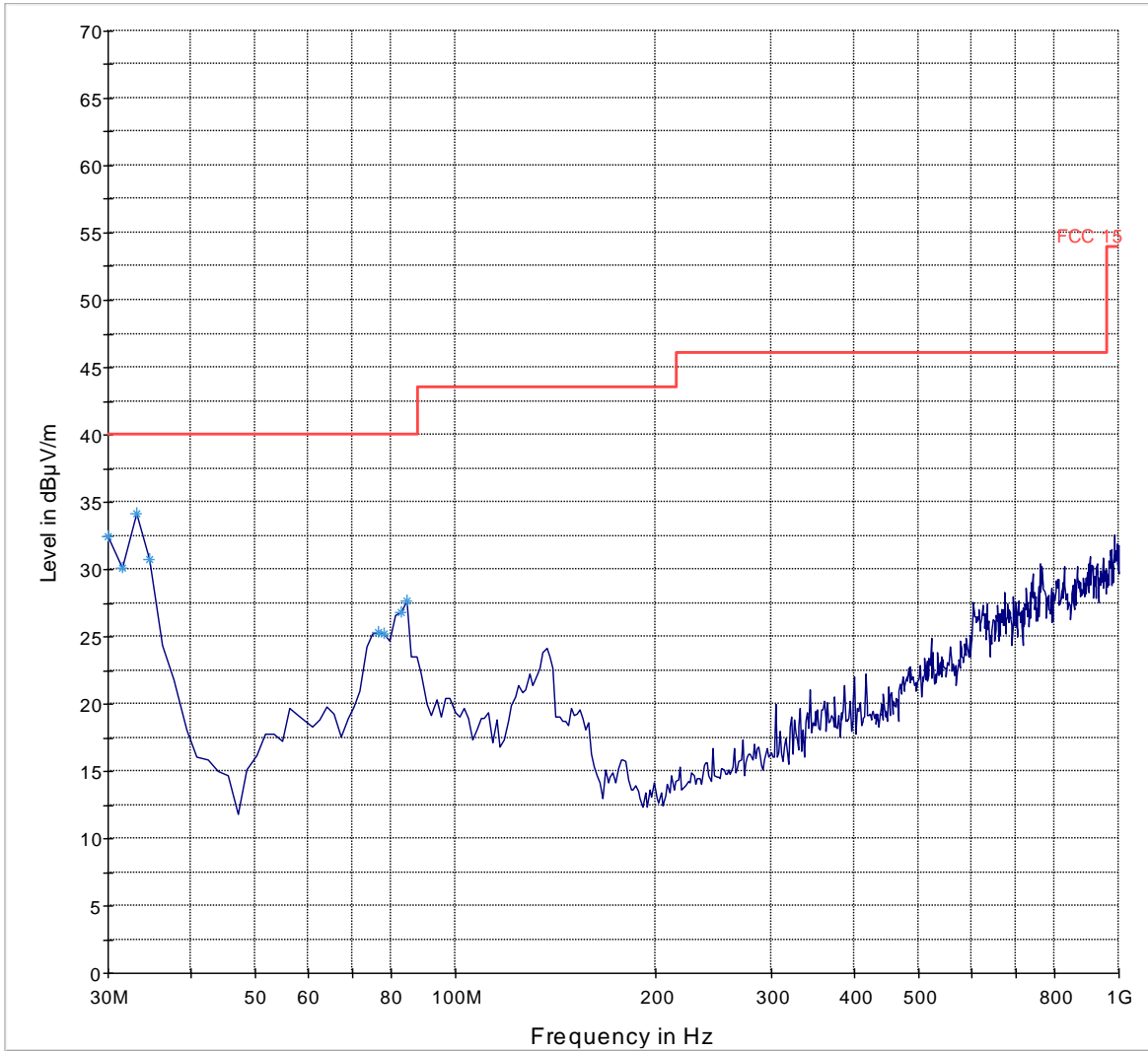
— 74 dBµV per m   
 - - - 54 dBµV per m   
 — Preview Result 1-PK+   
 — Preview Result 2-AVG

## 802.11n Ch102 18GHz-40GHz



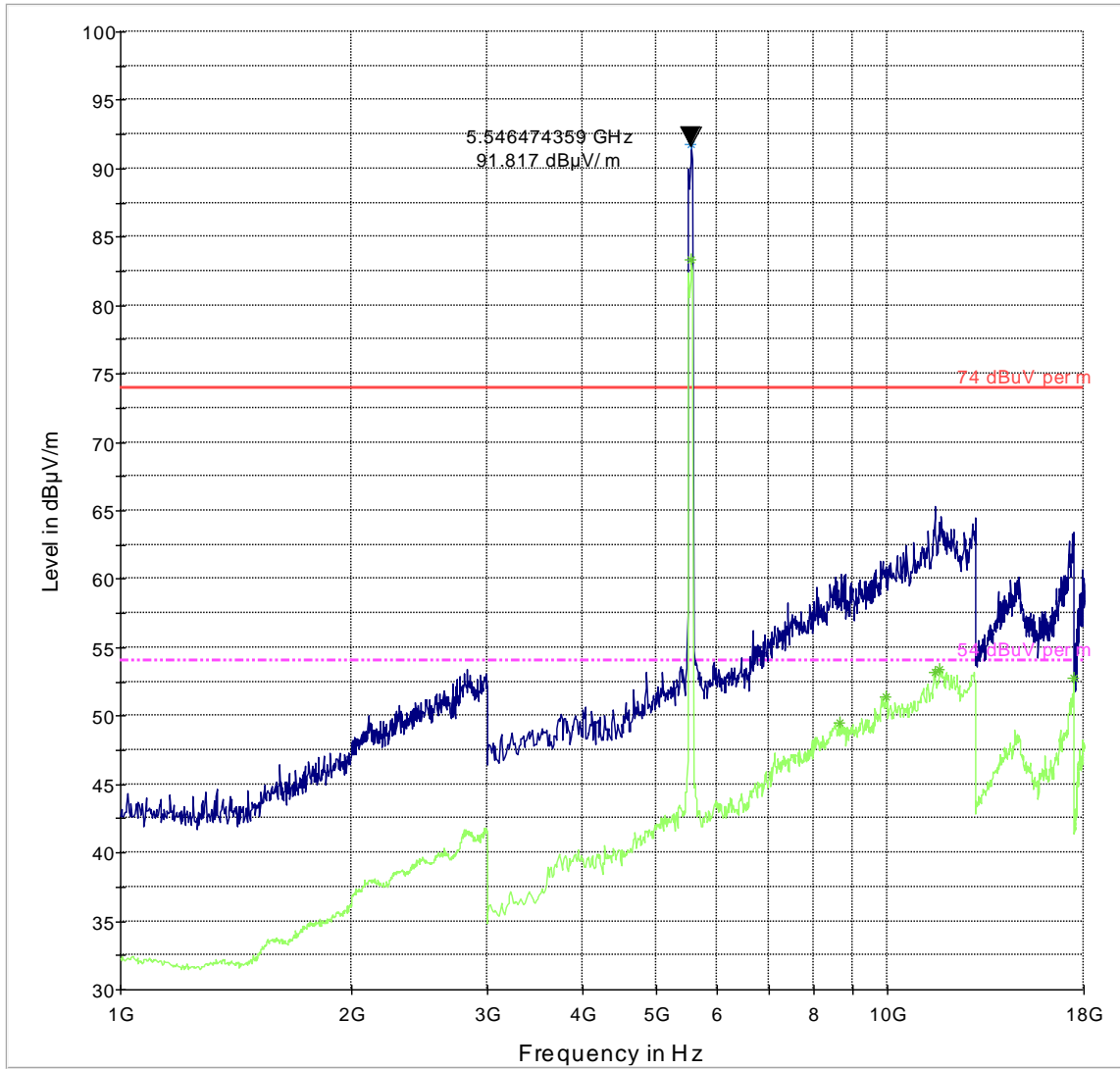
— FCC 15.9kHz — Preview Result 1-PK+

## 802.11ac Ch106 9kHz-30MHz



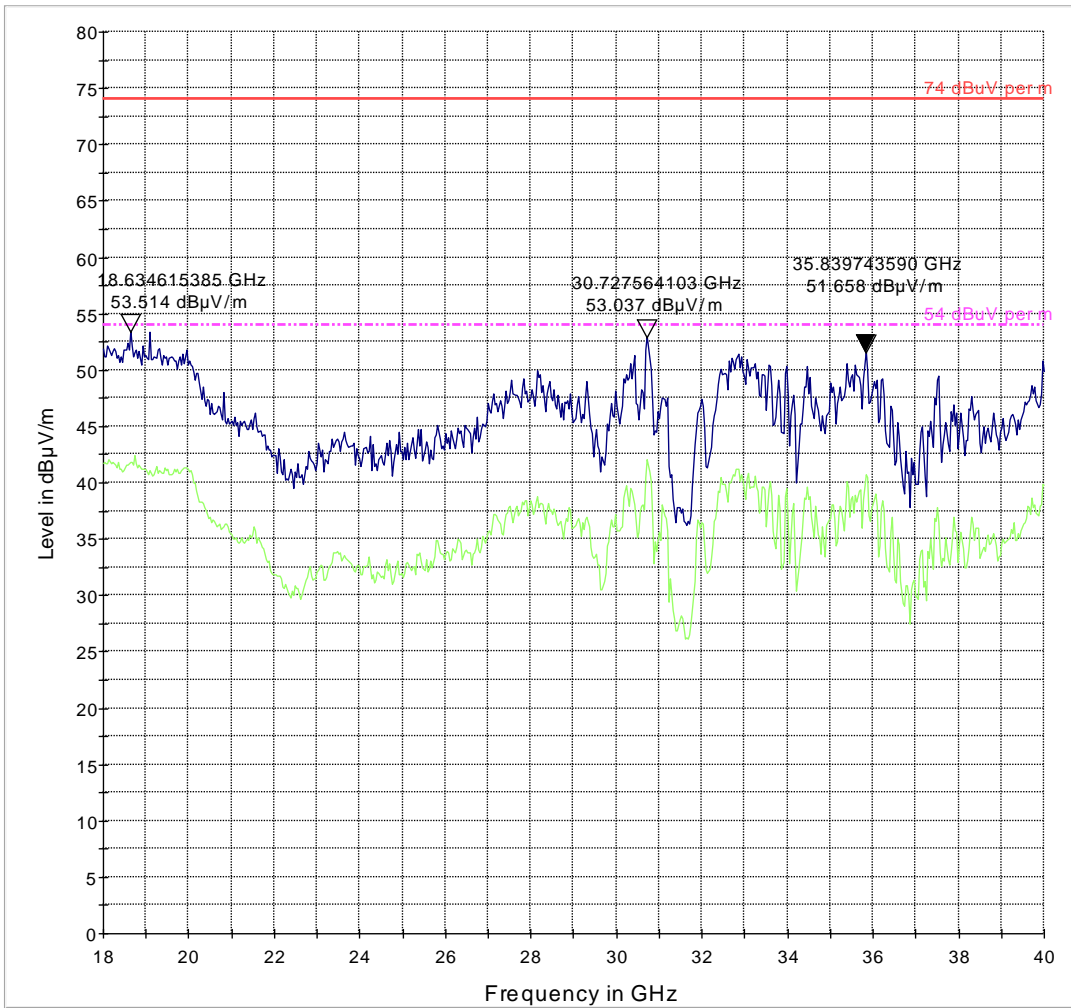
— FCC 15   
 — Preview Result 1-PK+   
 \* Data Reduction Result 1 [3]-PK+

## 802.11ac Ch106 30MHz-1GHz



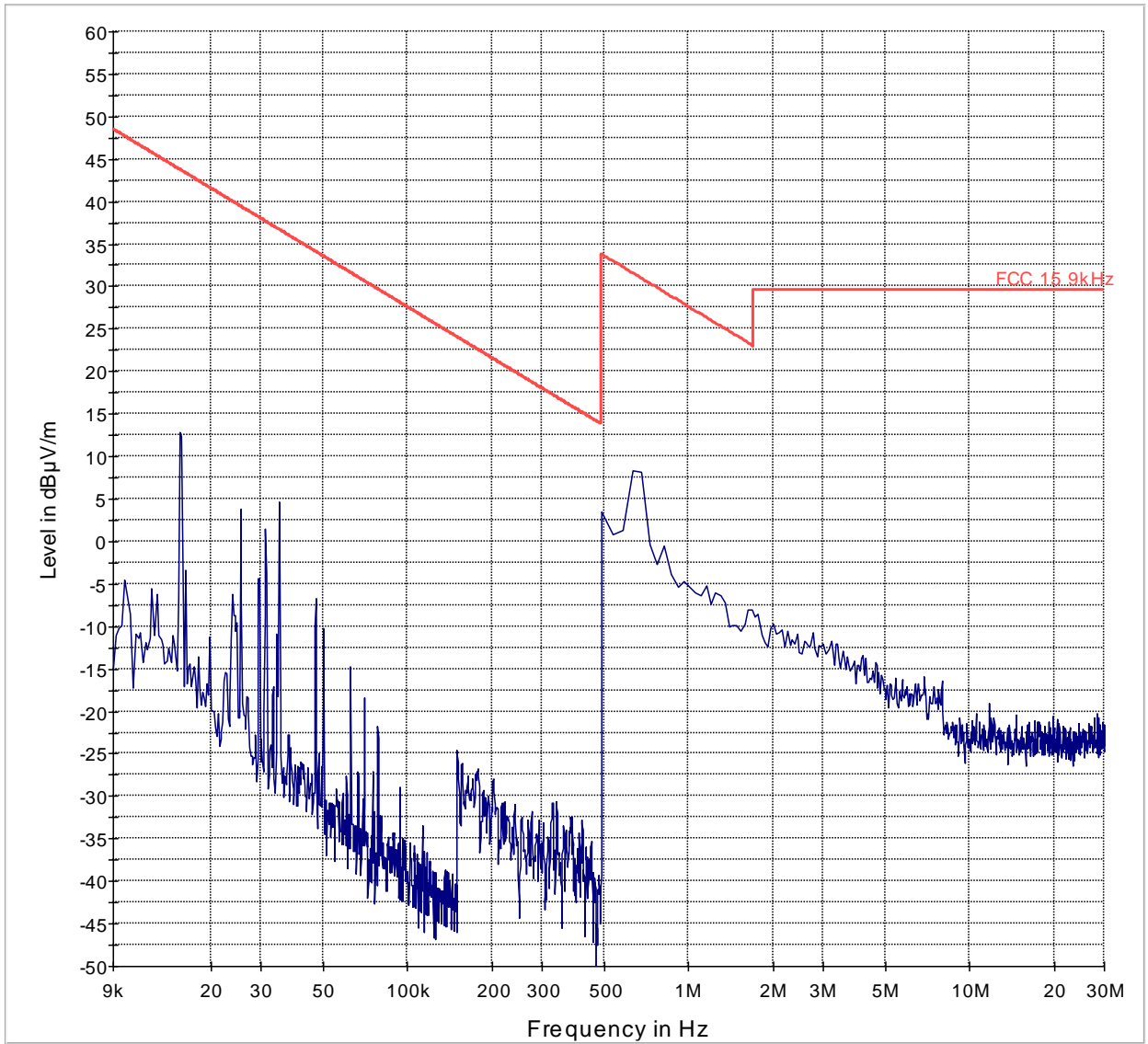
- 74 dBuV per m
- Preview Result 1-PK+
- \* Data Reduction Result 1 [4]-PK+
- - - 54 dBuV per m
- Preview Result 2-AVG
- \* Data Reduction Result 2 [4]-AVG

## 802.11ac Ch106 1GHz-18GHz



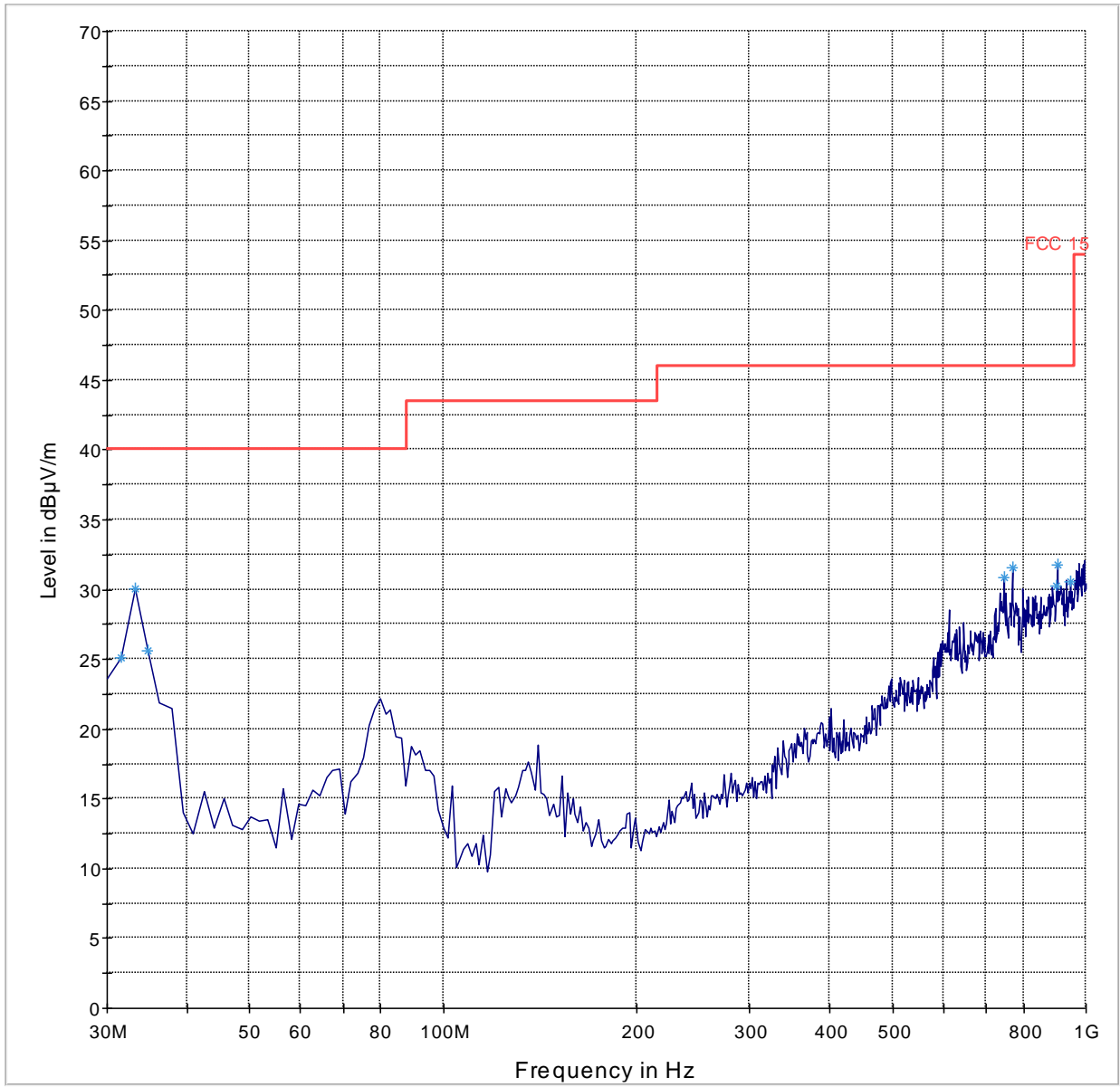
— 74 dBuV per m    - - - - 54 dBuV per m    — Preview Result 1-PK+    — Preview Result 2-AVG

# 802.11ac Ch106 18GHz-40GHz



— FCC 15.9kHz    — Preview Result 1-PK+

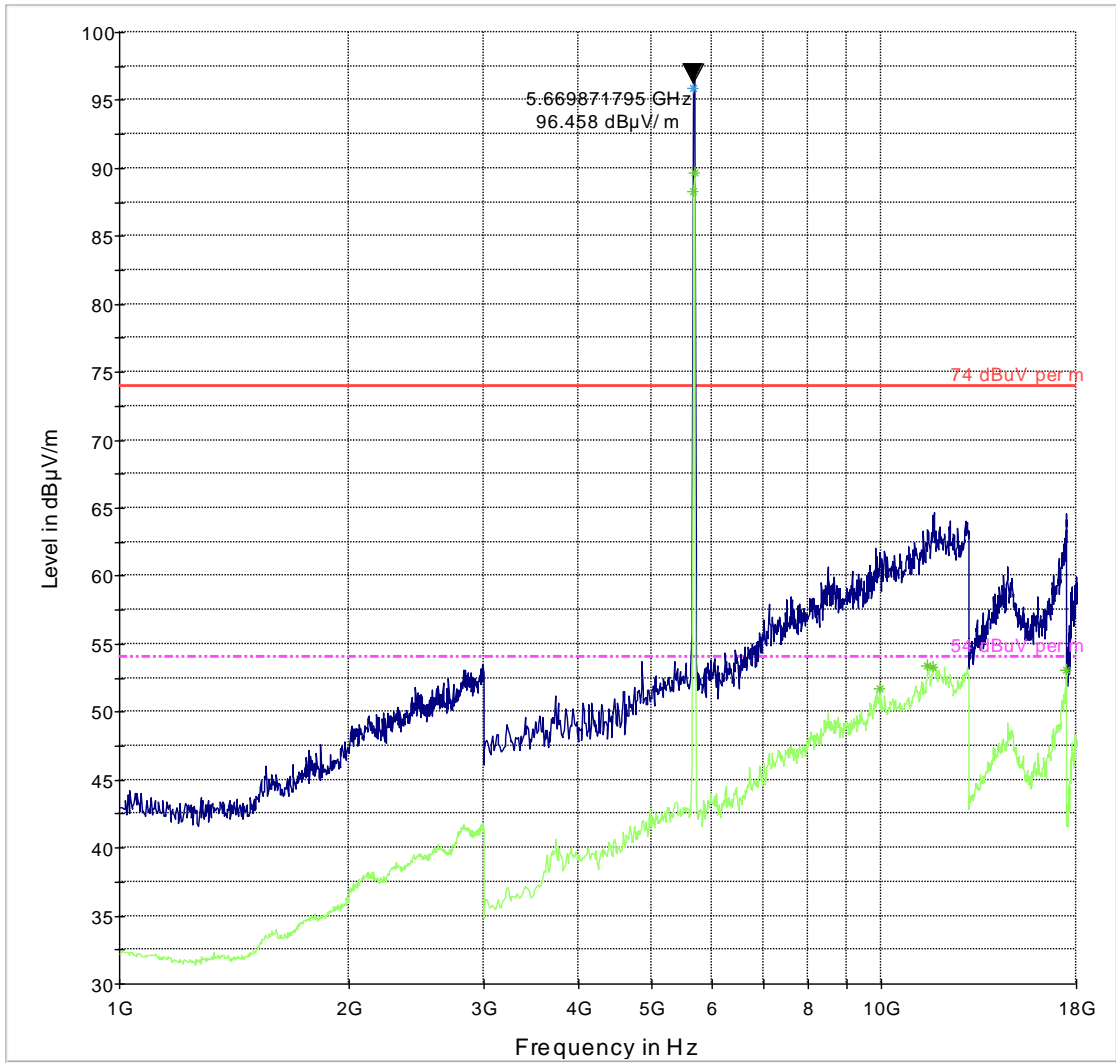
# 802.11n Ch134 9kHz-30MHz



— FCC 15    — Preview Result 1-PK+    \* Data Reduction Result 1 [3]-PK+

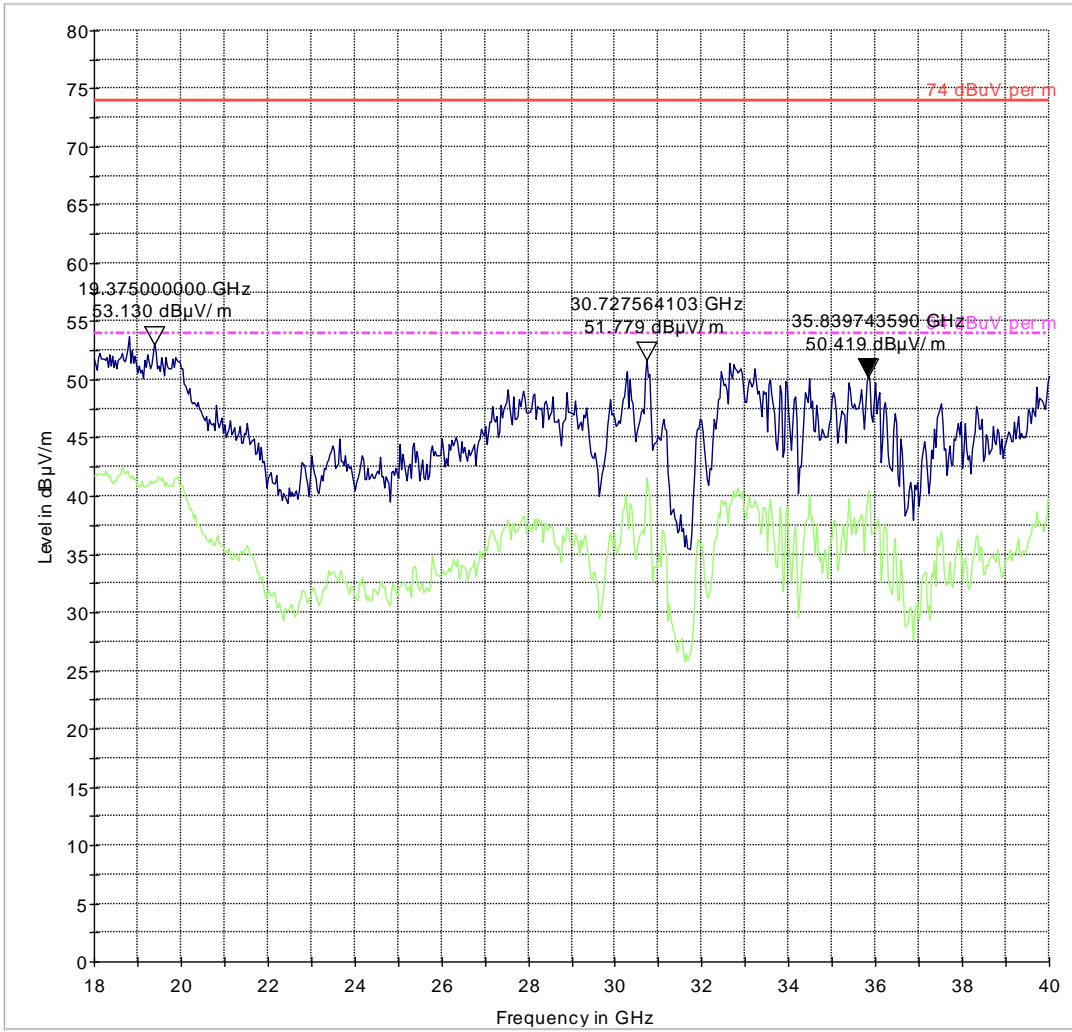
## 802.11n Ch134 30MHz-1GHz





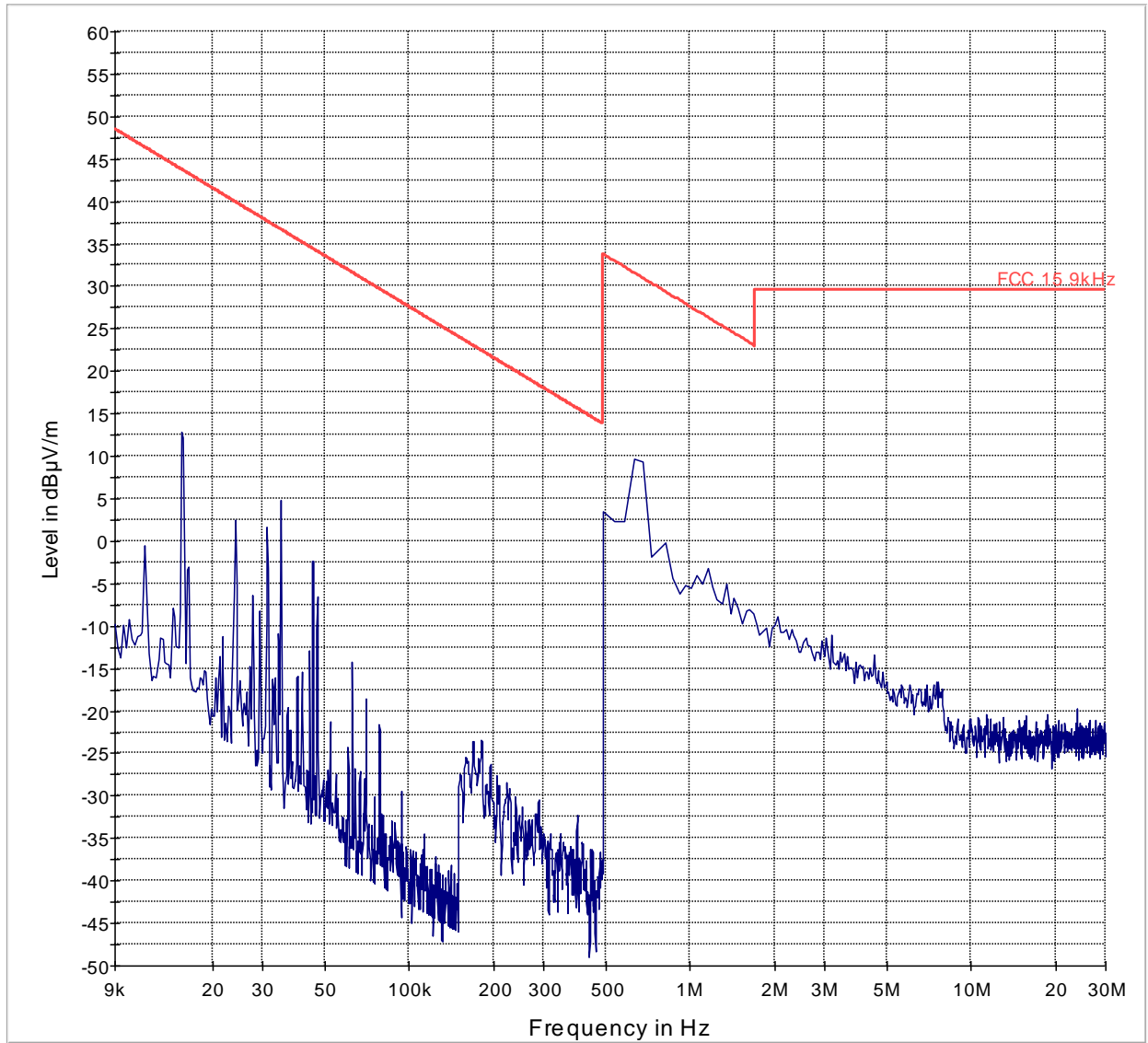
- 74 dBuV per m
- Preview Result 1-PK+
- \* Data Reduction Result 1 [4]-PK+
- - - 54 dBuV per m
- Preview Result 2-AVG
- \* Data Reduction Result 2 [4]-AVG

## 802.11n Ch134 1GHz-18GHz



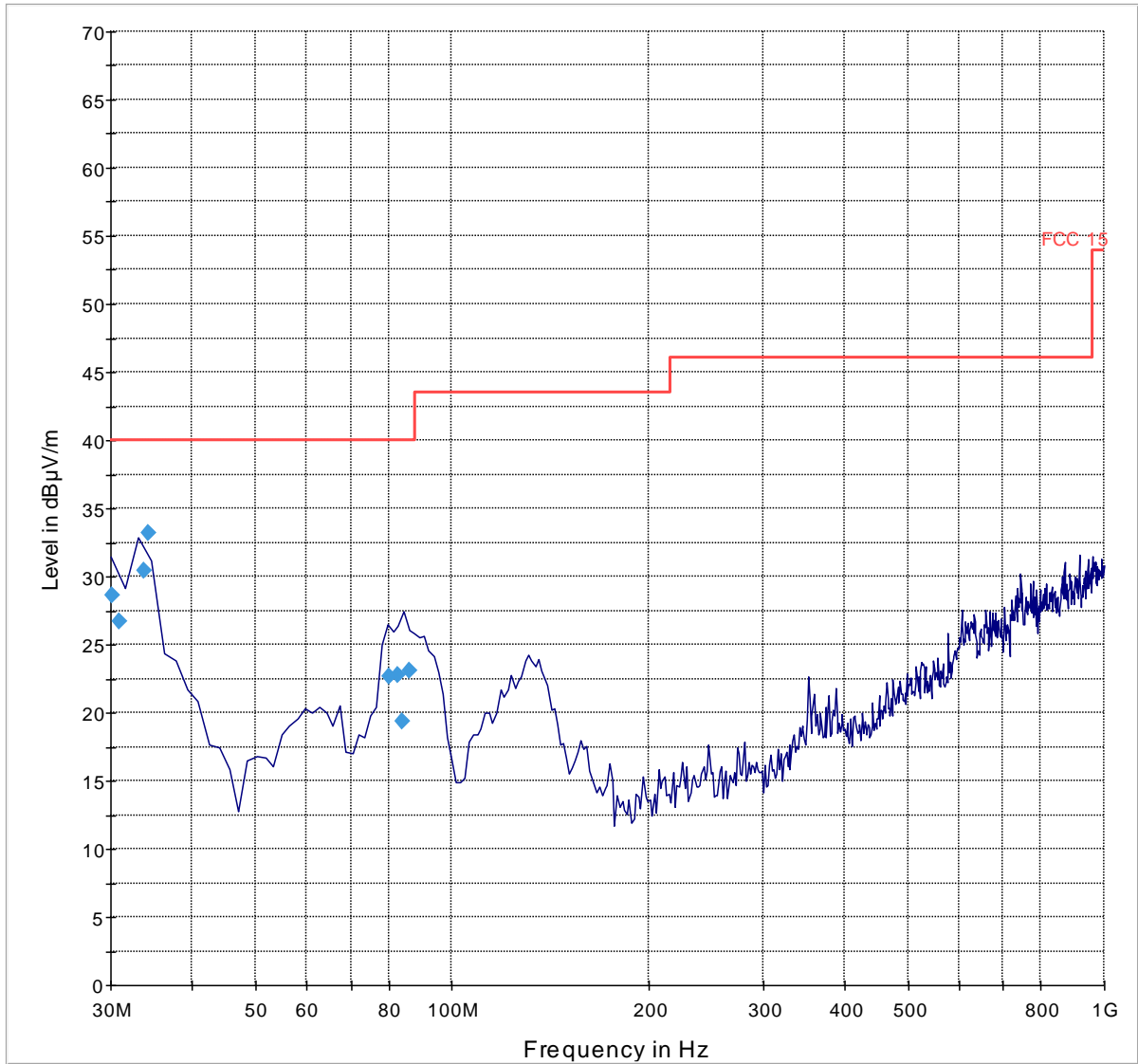
— 74 dBuV per m   
 - - - 54 dBuV per m   
 — Preview Result 1-PK+   
 — Preview Result 2-AVG

802.11n Ch134 18GHz-40GHz



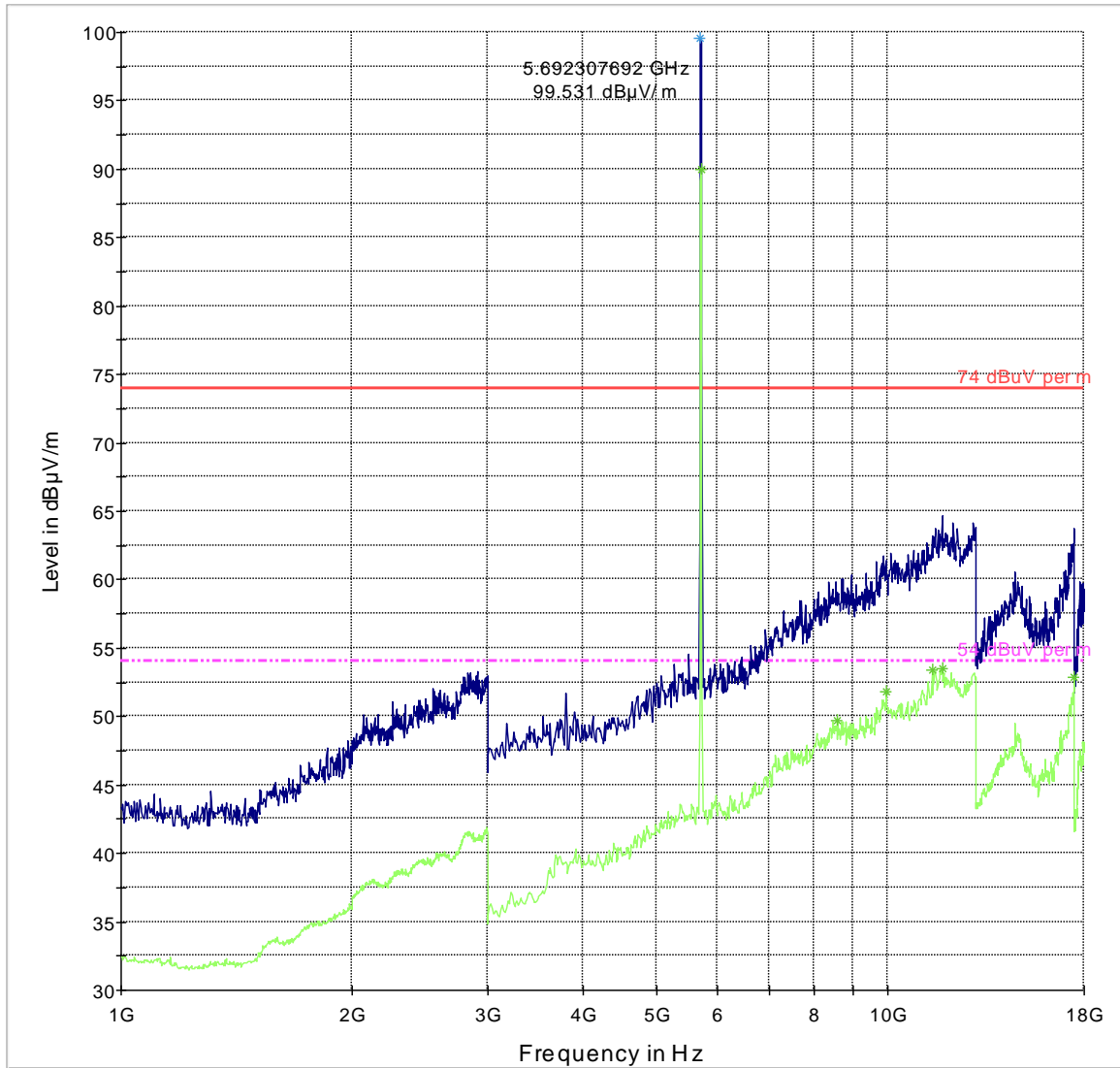
— FCC 15.9kHz    — Preview Result 1-PK+

## 802.11a Ch140 9kHz-30MHz



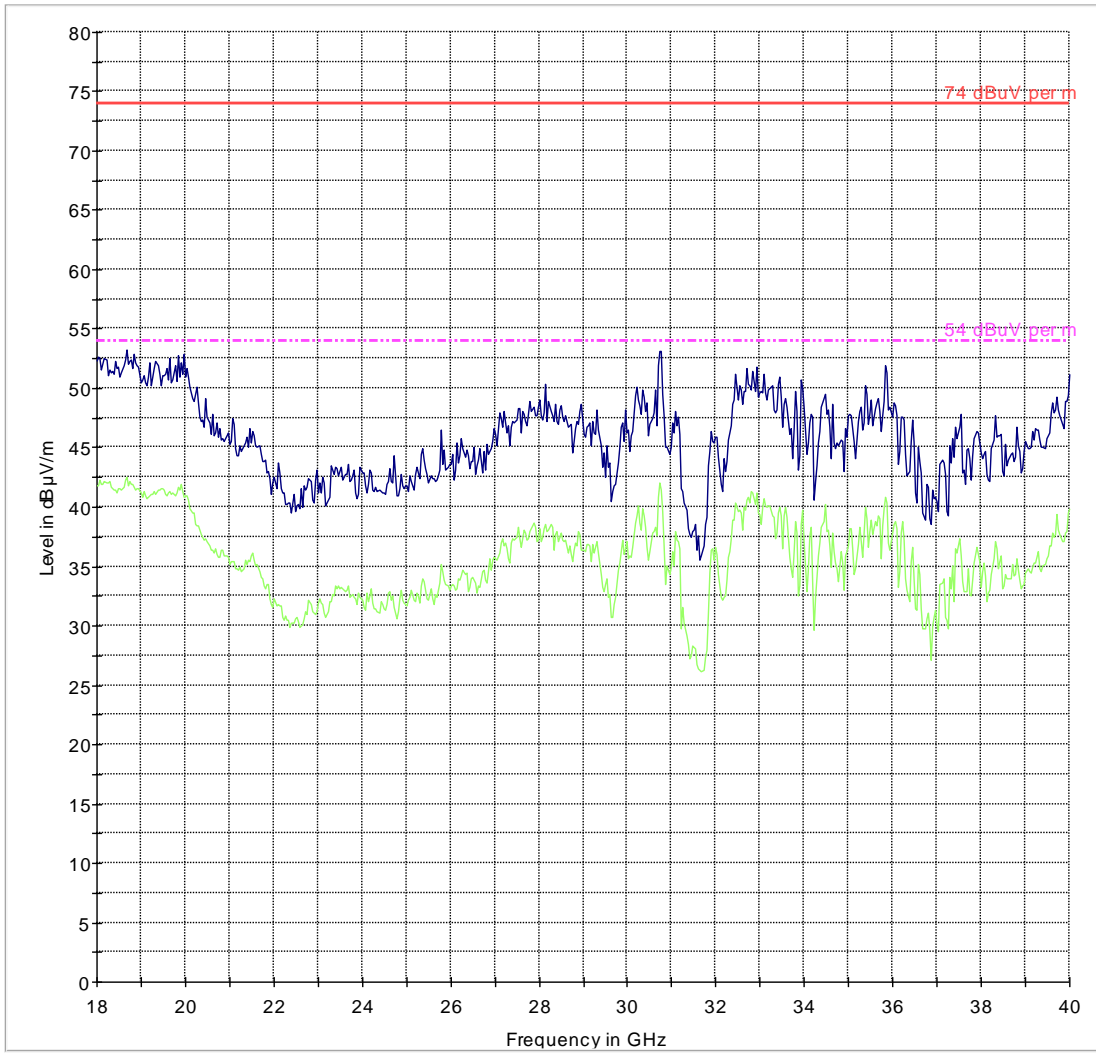
— FCC 15    
 — Preview Result 1-PK+    
 ◆ Final Result 1-QPK

## 802.11a Ch140 30MHz-1GHz



- 74 dBuV per m
- Preview Result 1-PK+
- \* Data Reduction Result 1 [4]-PK+
- - - 54 dBuV per m
- Preview Result 2-AVG
- \* Data Reduction Result 2 [4]-AVG

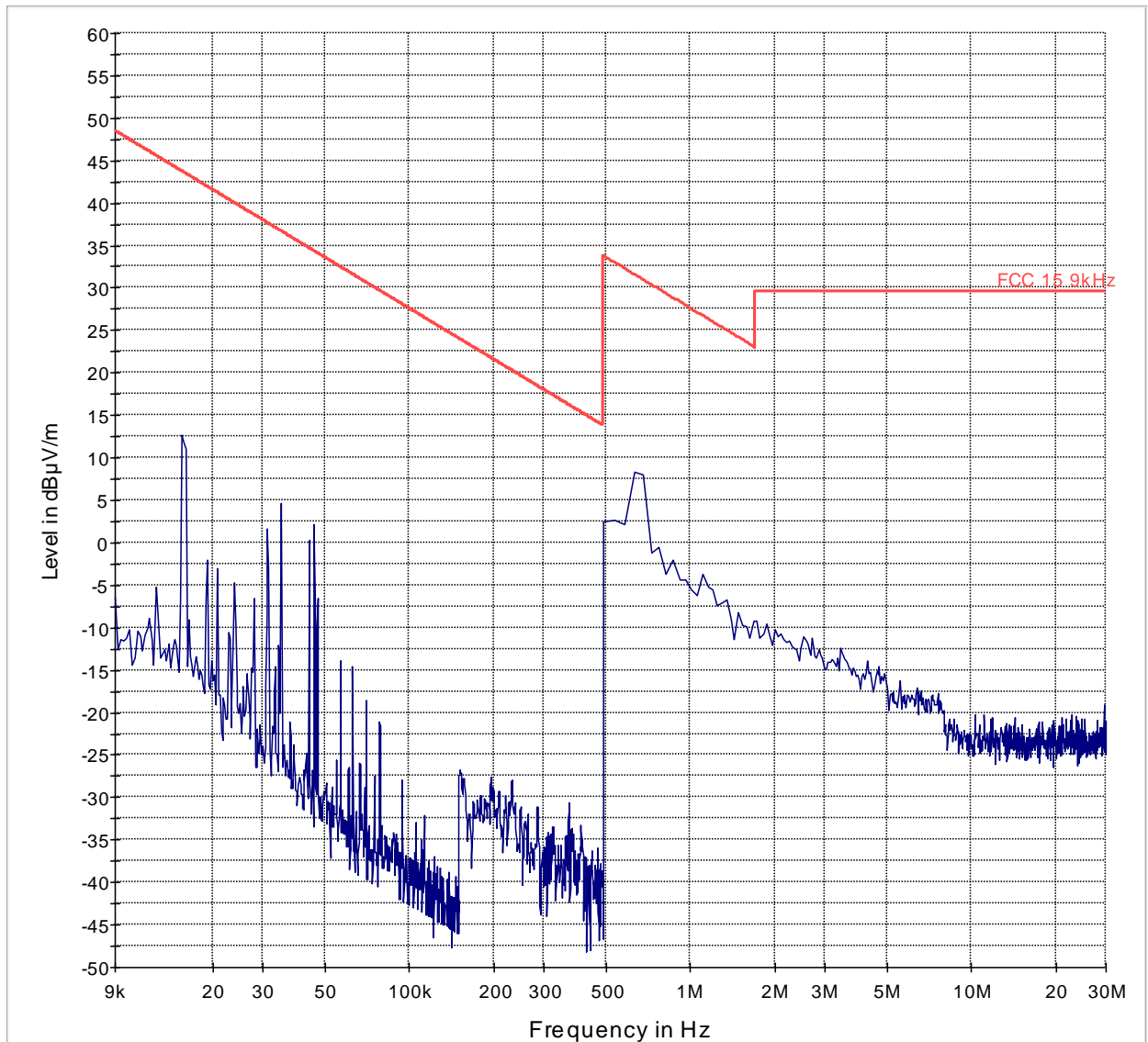
## 802.11a Ch140 1GHz-18GHz



— 74 dBuV per m   
 - - - 54 dBuV per m   
 — Preview Result 1-PK+   
 — Preview Result 2-AVG

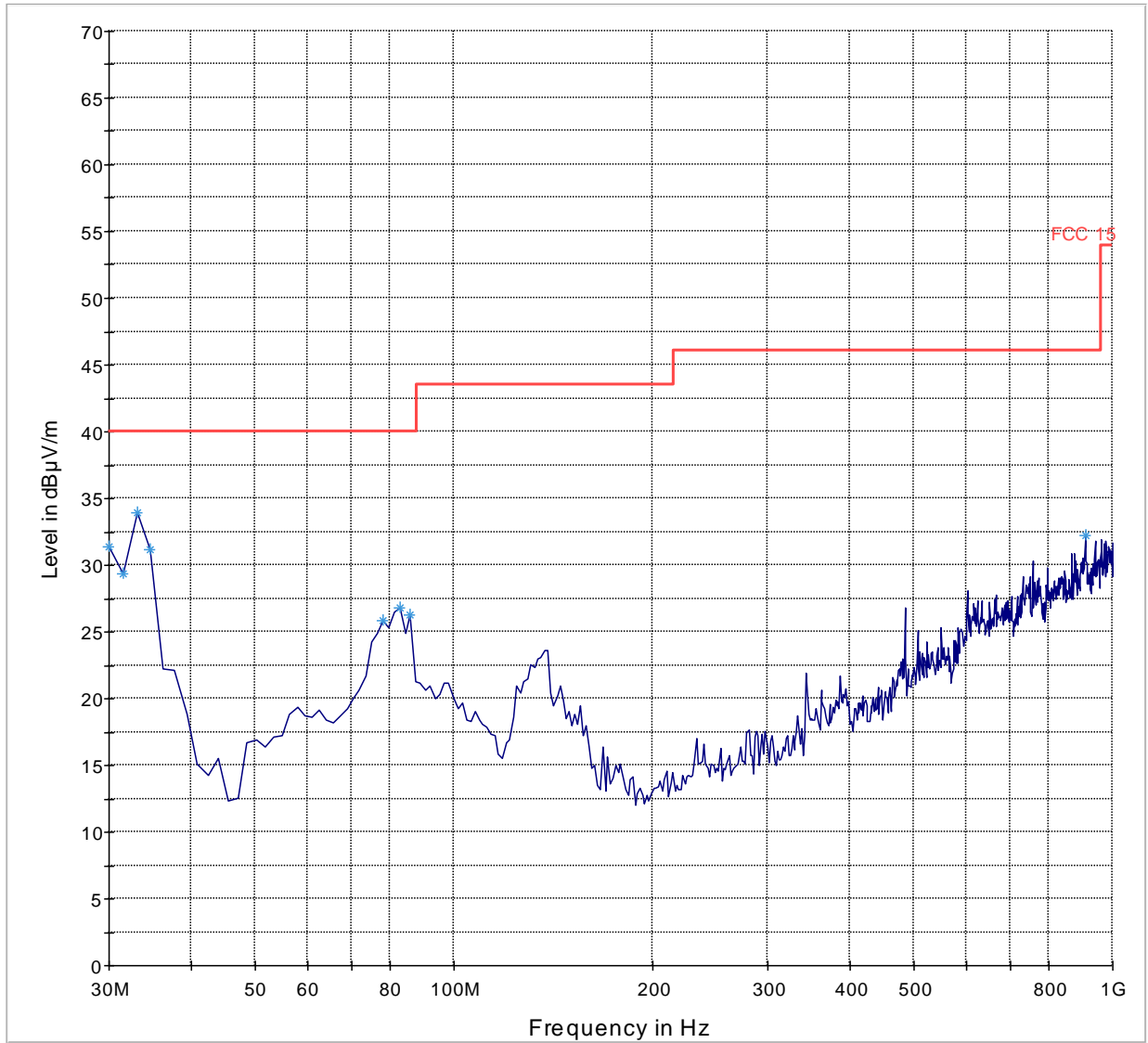
## 802.11a Ch140 18GHz-40GHz

# UNII-3 Band



— FCC 15.9kHz — Preview Result 1-PK+

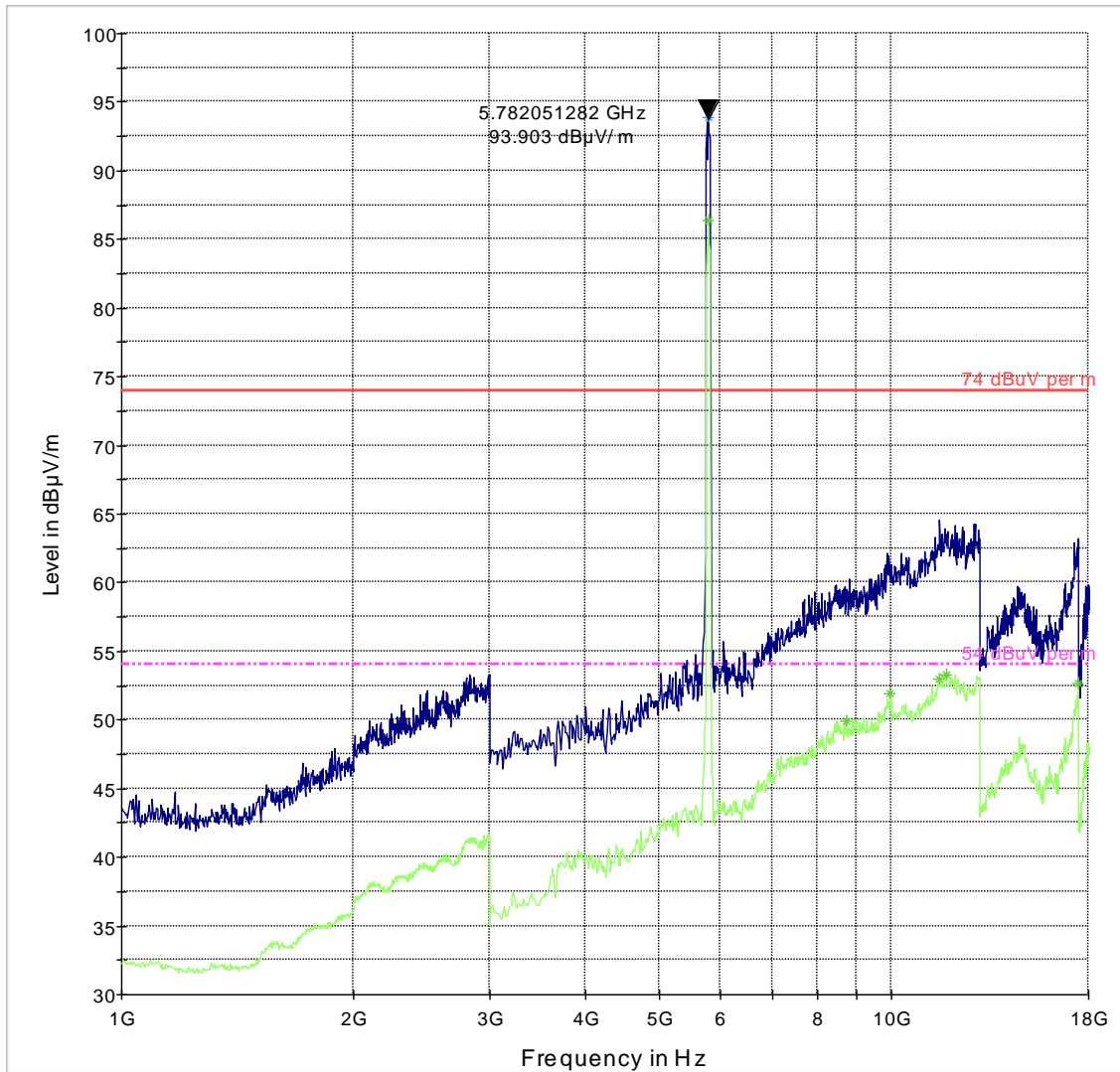
## 802.11ac Ch155 9kHz-30MHz



— FCC 15    — Preview Result 1-PK+    \* Data Reduction Result 1 [3]-PK+

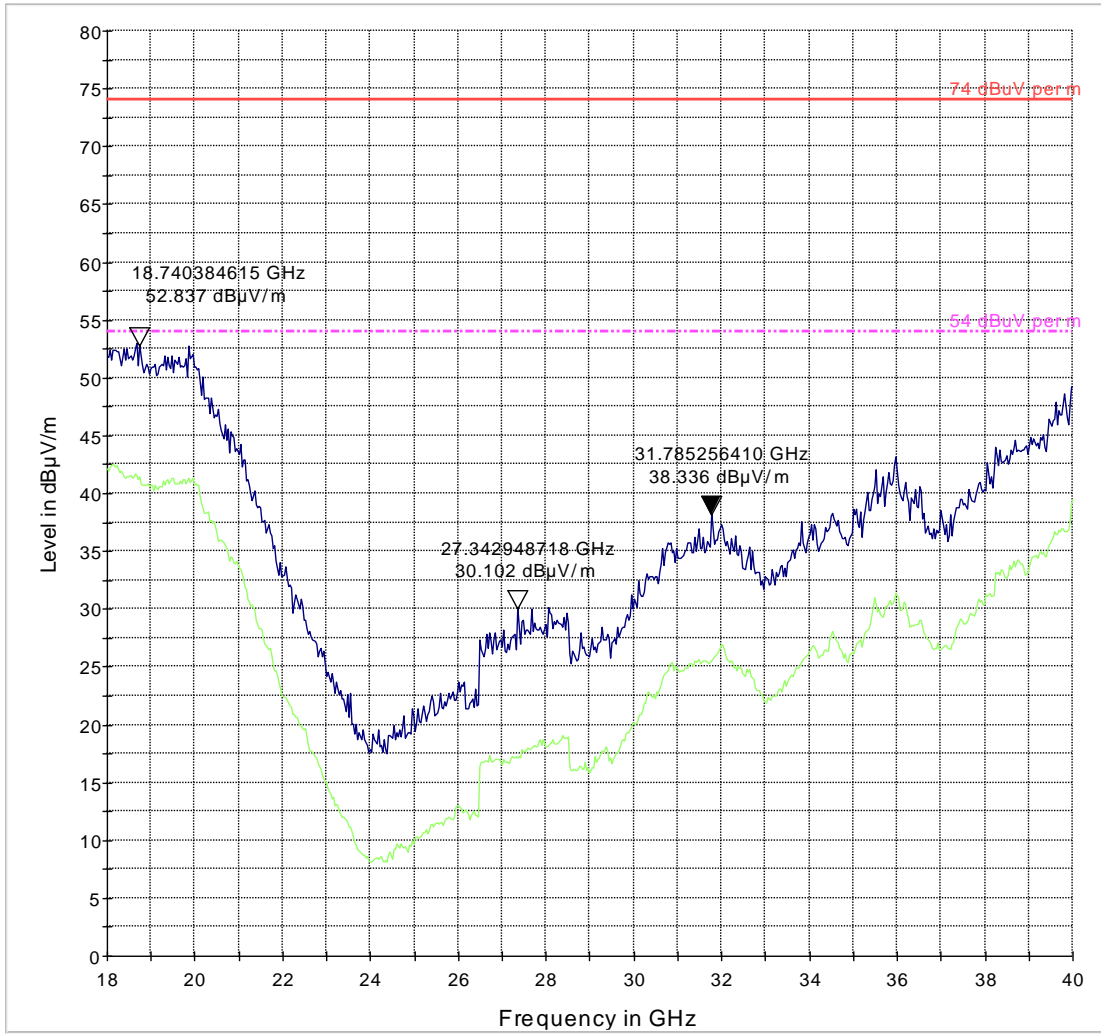
## 802.11ac Ch155 30MHz-1GHz





- 74 dBµV per m
- Preview Result 1-PK+
- \* Data Reduction Result 1 [4]-PK+
- - - 54 dBµV per m
- Preview Result 2-AVG
- \* Data Reduction Result 2 [4]-AVG

## 802.11ac Ch155 1GHz-18GHz

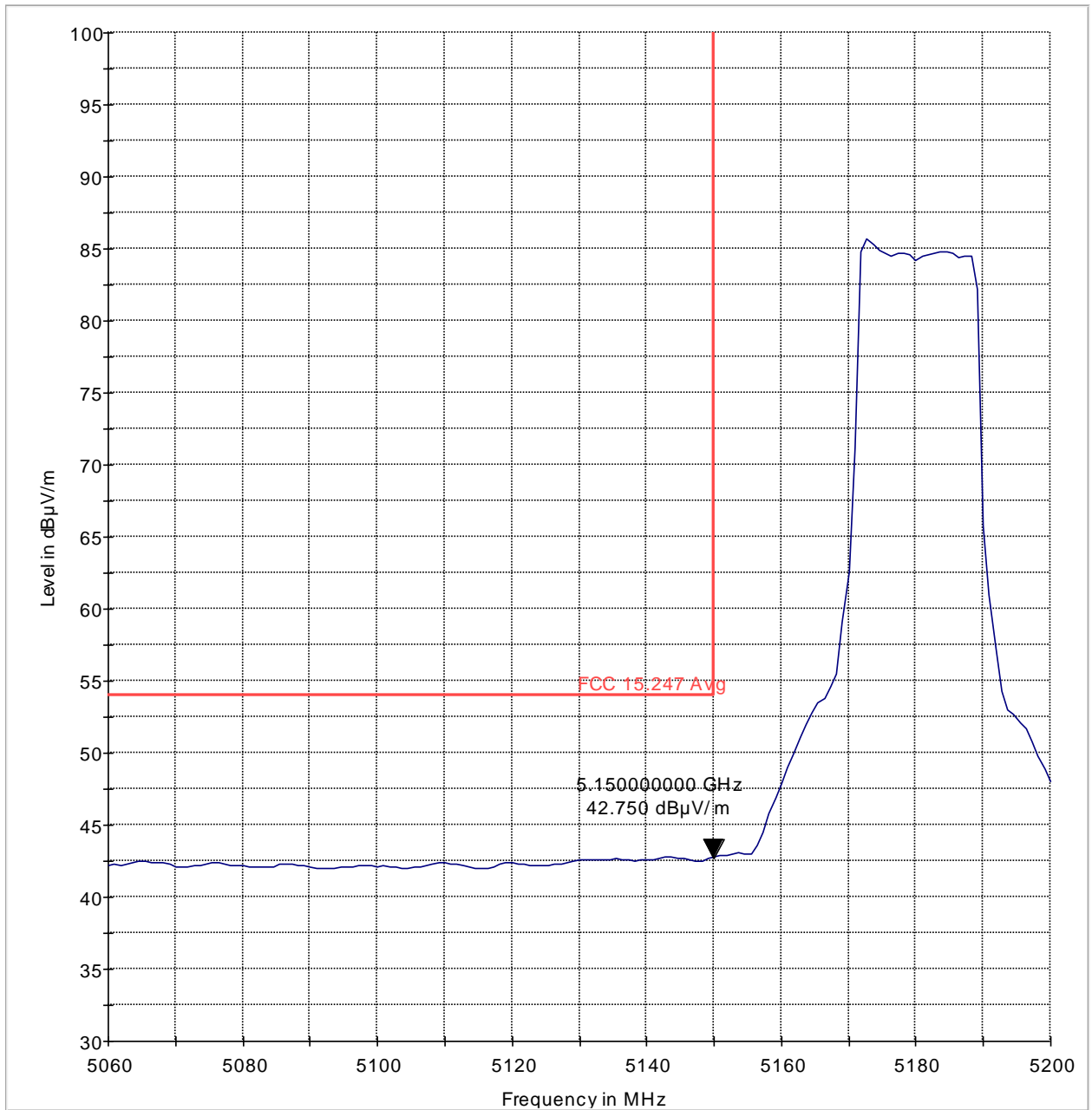


— 74 dBuV per m    - - - 54 dBuV per m    — Preview Result 1-PK+    — Preview Result 2-AVG

# 802.11ac Ch155 18GHz-40GHz

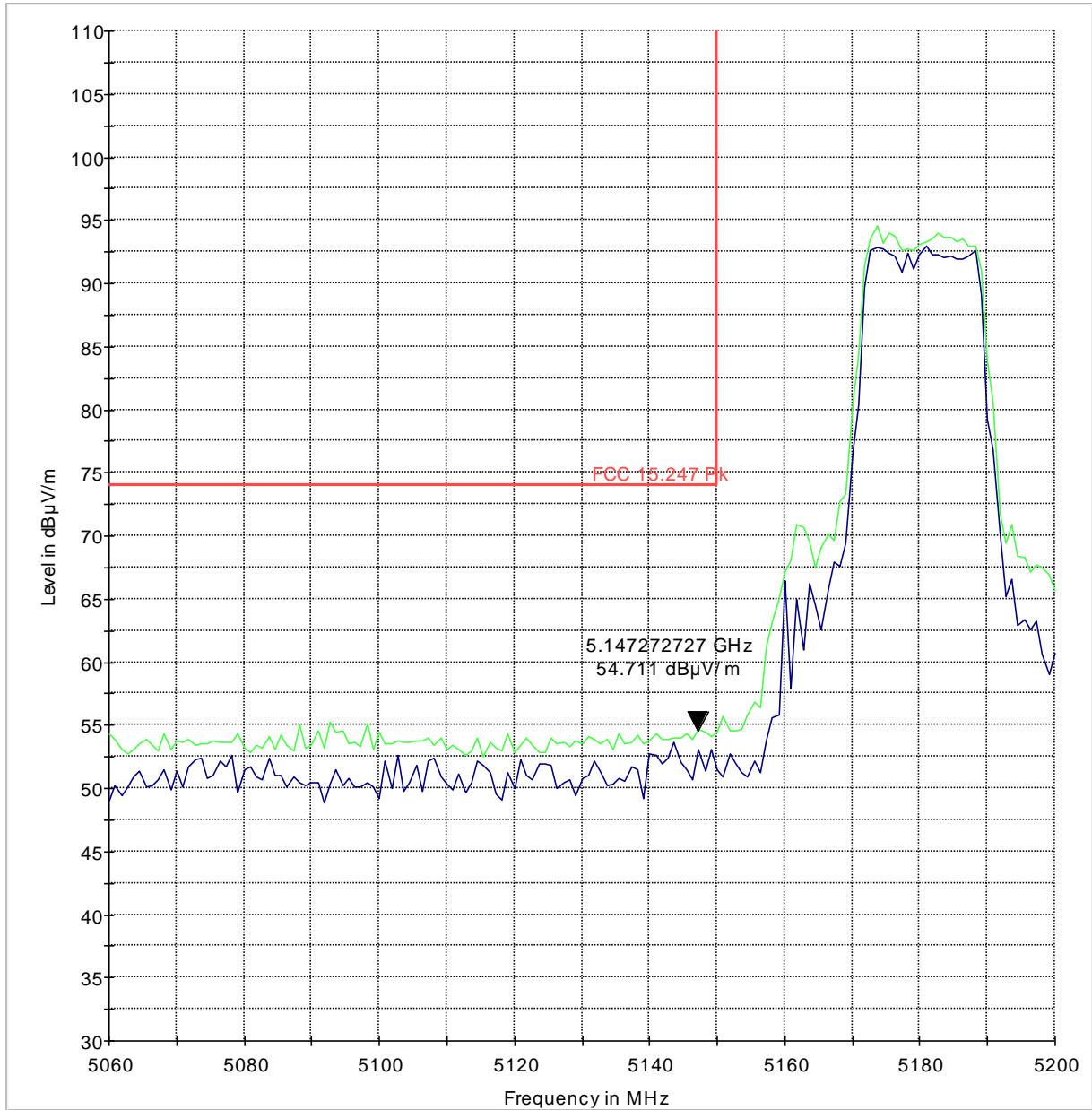
# Band Edge

UNII-1 Band / UNII-2 Band



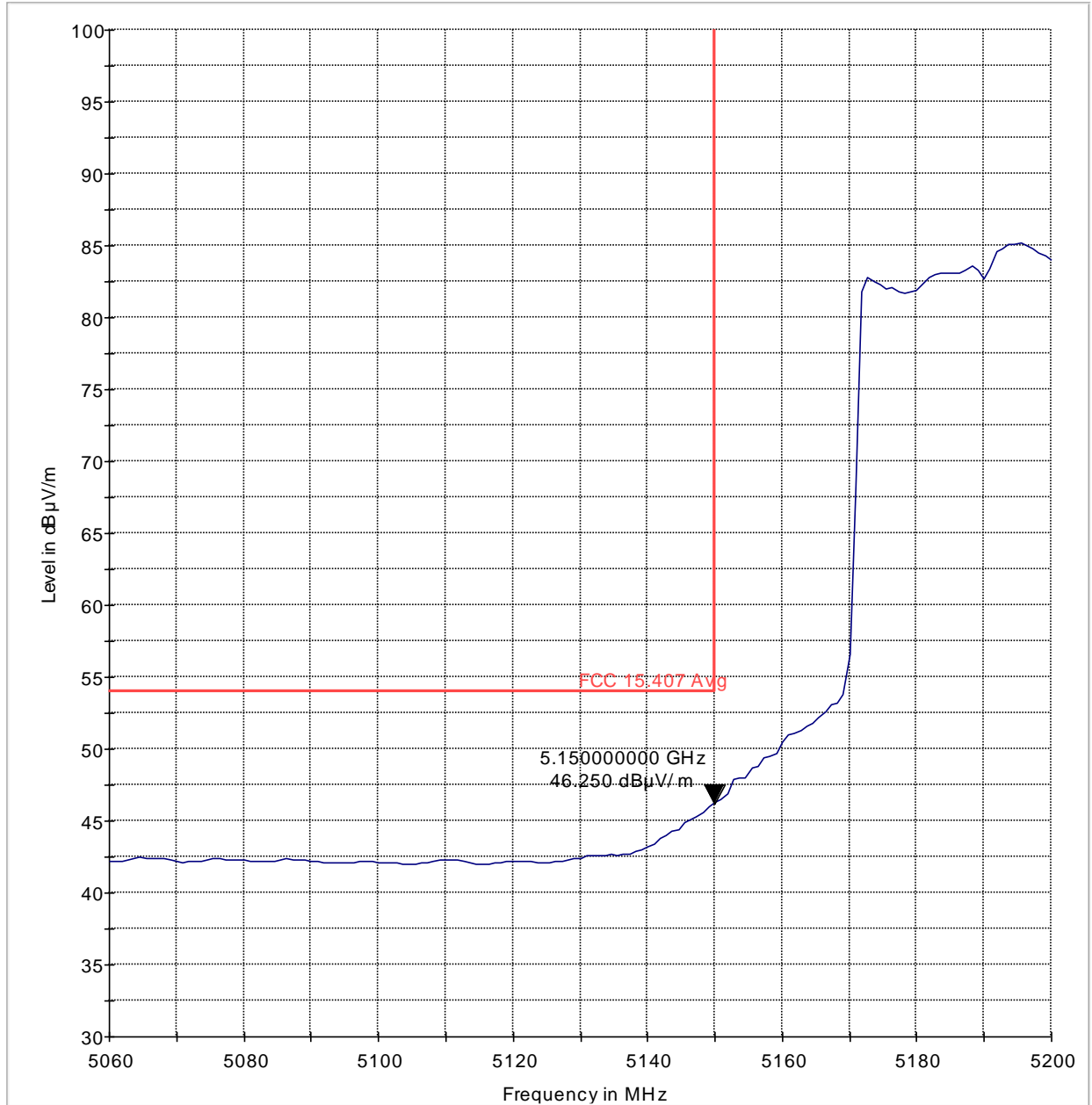
— MaxPeak-MaxHold-PK+    — FCC 15.247 Avg

## 802.11a Ch36 Low Band Edge Average



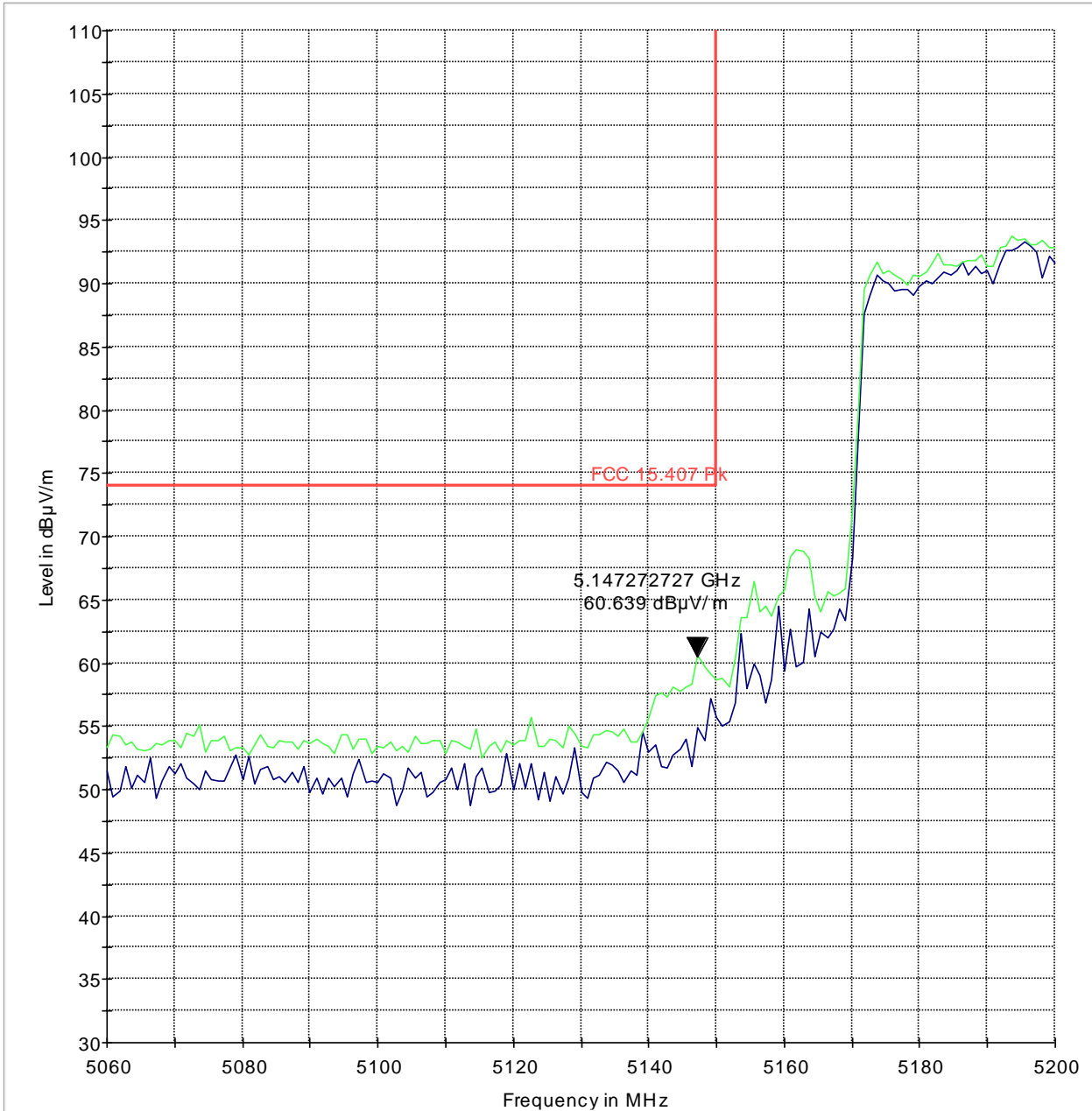
— MaxPeak-ClearWrite-PK+ — MaxPeak-MaxHold-PK+ — FCC 15.247 Pk

## 802.11a Ch36 Low Band Edge Peak



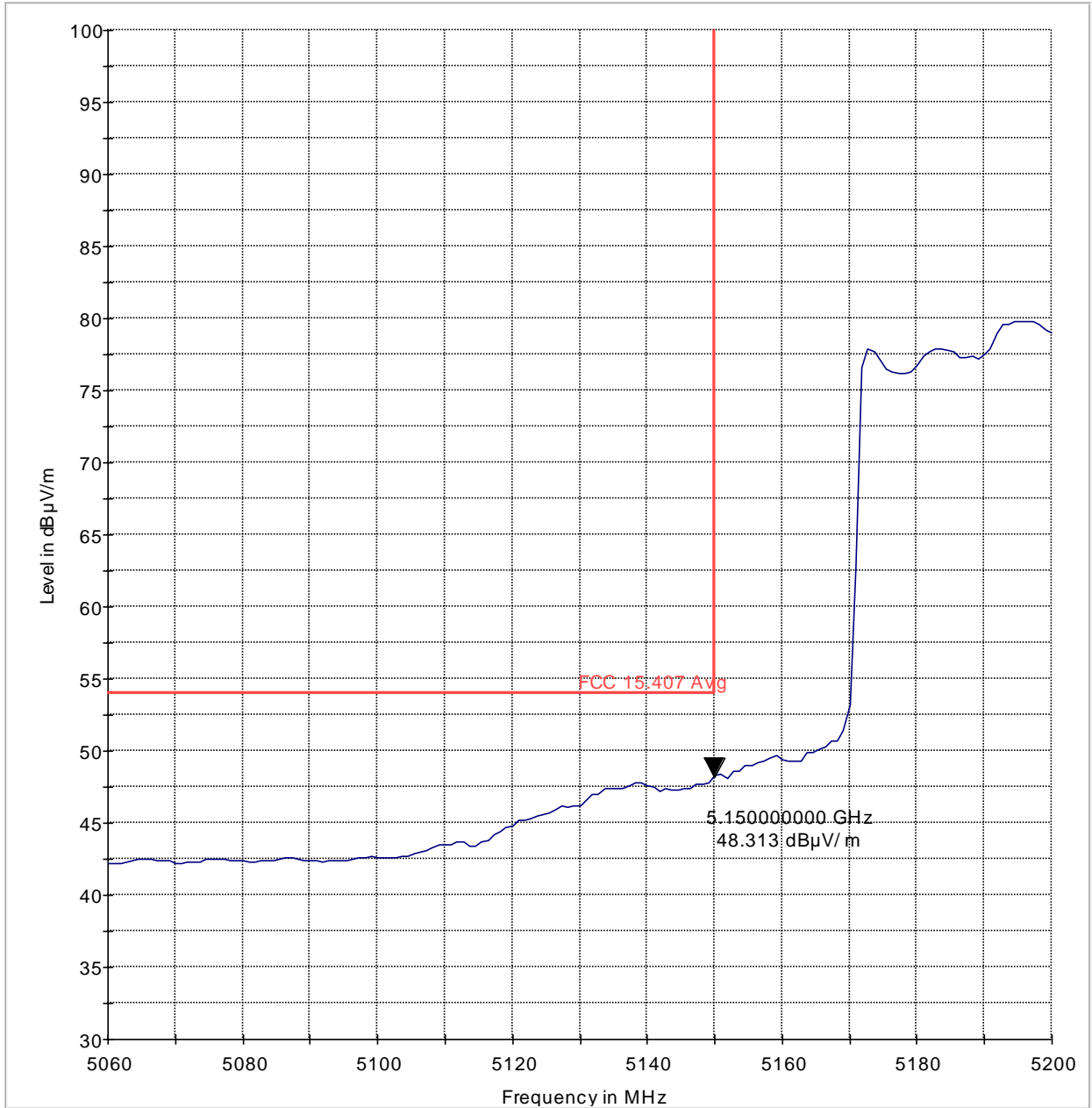
— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg

## 802.11n Ch38 Low Band Edge Average



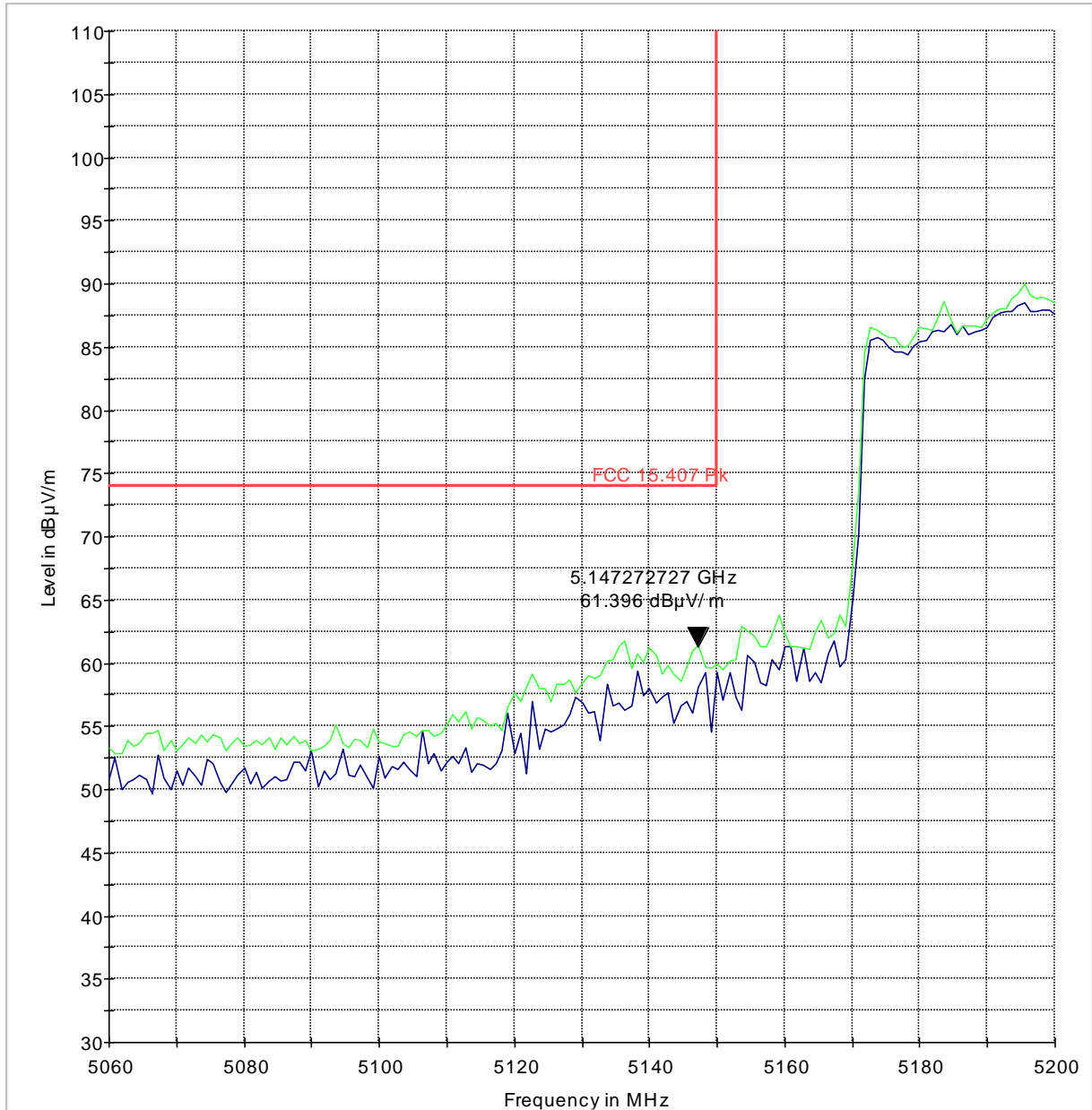
— MaxPeak-ClearWrite-PK+ — MaxPeak-MaxHold-PK+ — FCC 15.407 Pk

## 802.11n Ch38 Low Band Edge Peak



— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg

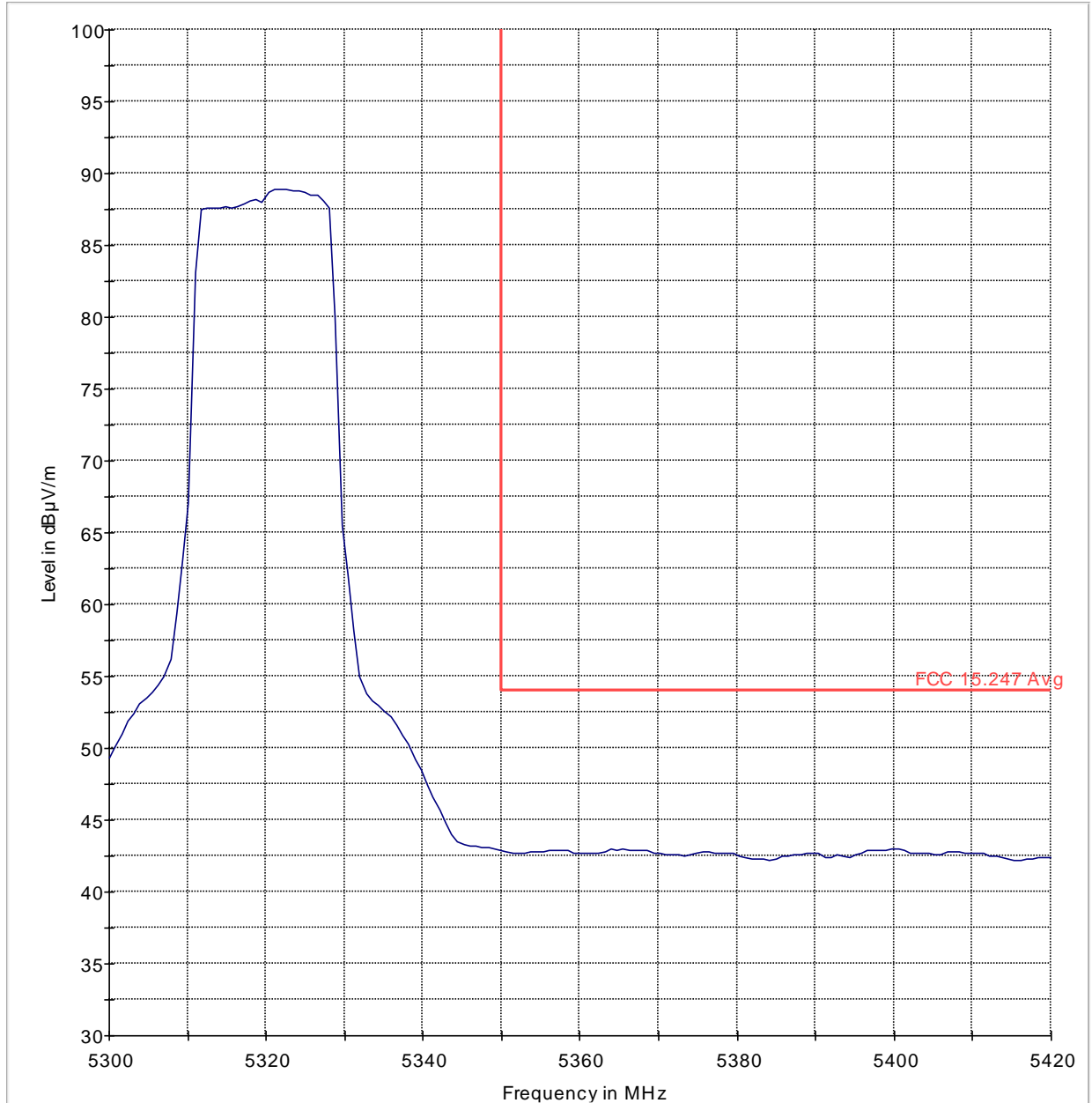
## 802.11ac Ch42 Low Band Edge Average



— MaxPeak-ClearWrite-PK+    — MaxPeak-MaxHold-PK+    — FCC 15.407 Pk

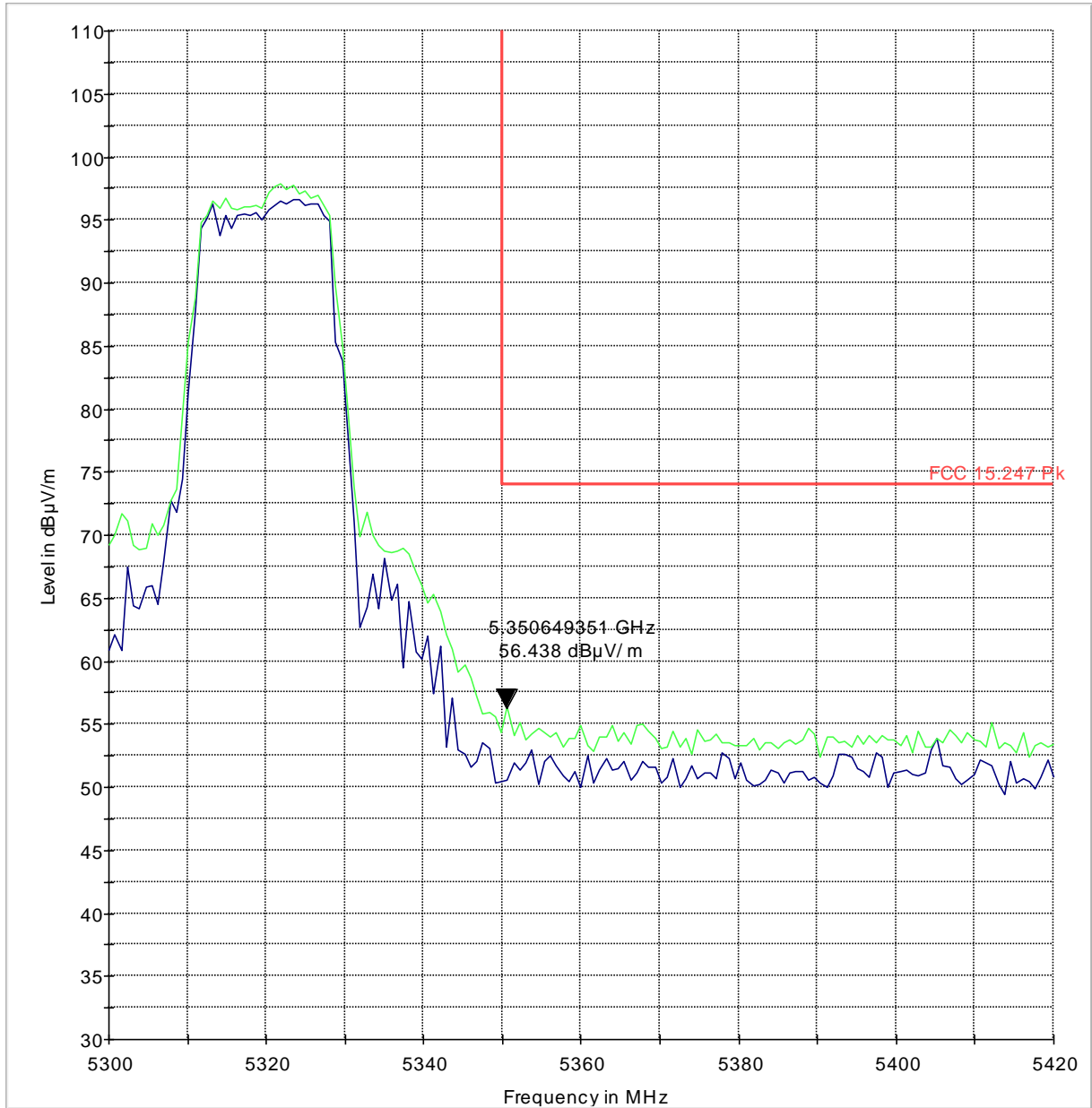
## 802.11ac Ch42 Low Band Edge Peak



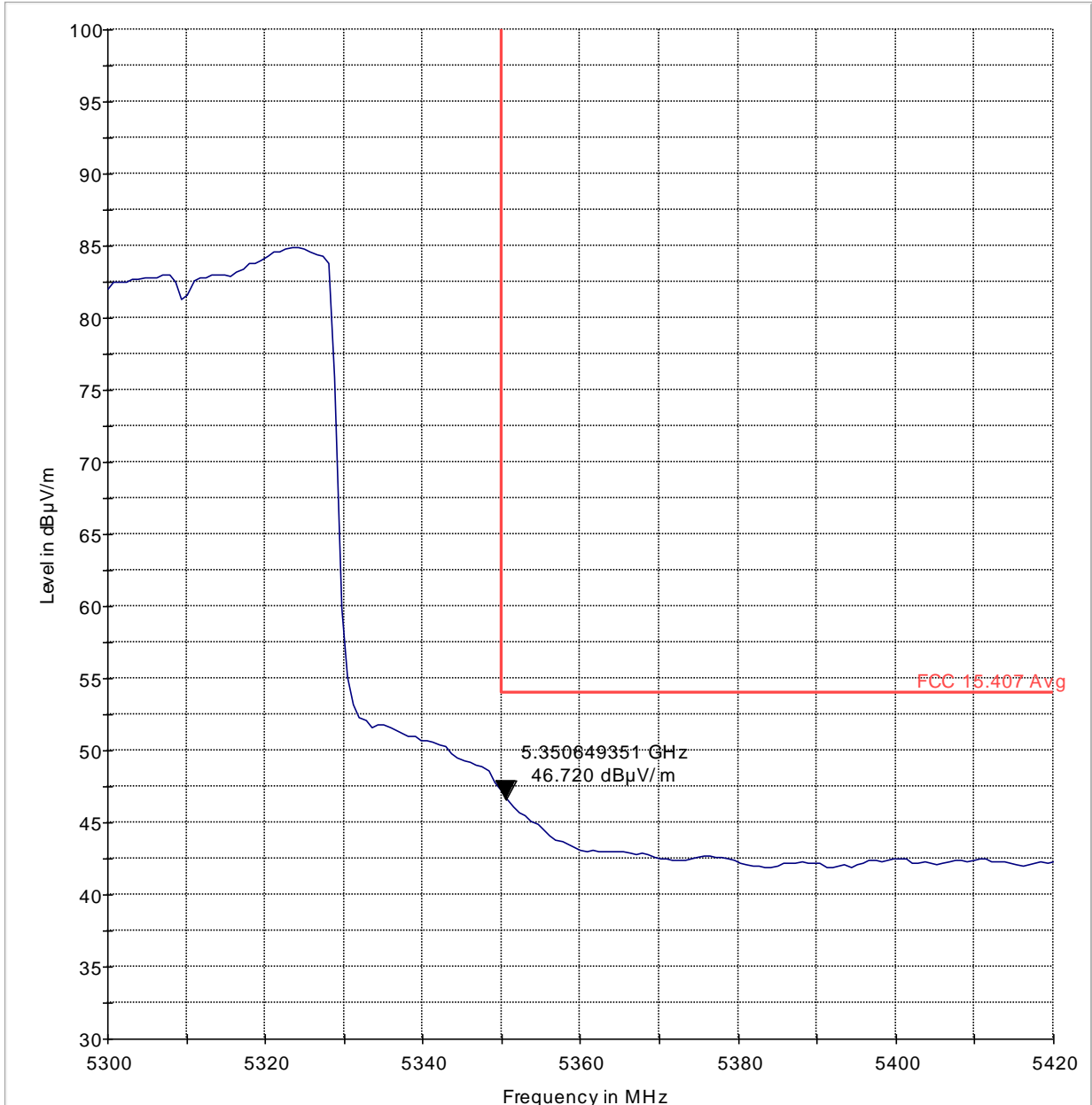


— MaxPeak-MaxHold-PK+    — FCC 15.247 Avg

## 802.11a Ch64 High Band Edge Average

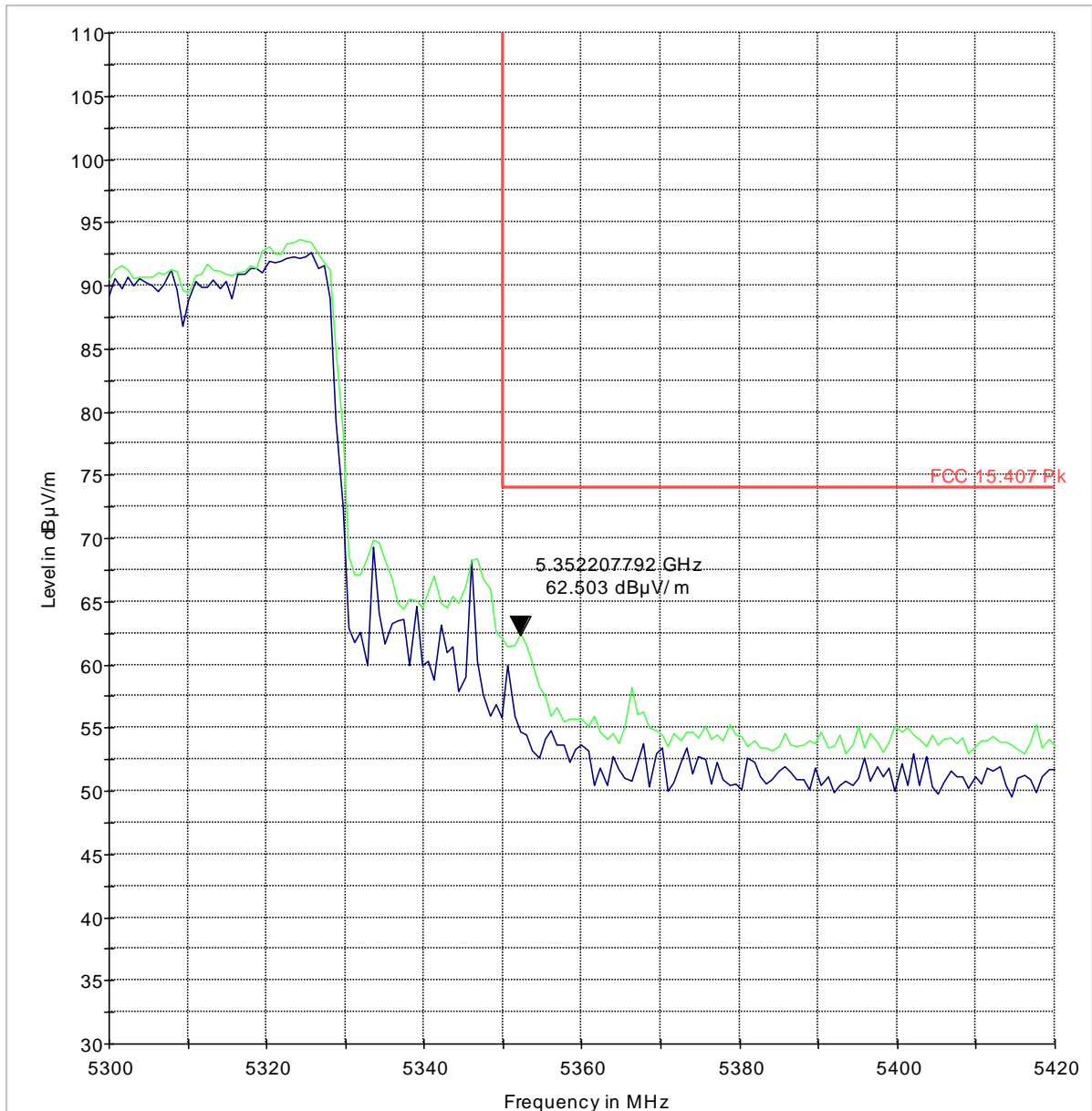


## 802.11a Ch64 High Band Edge Peak



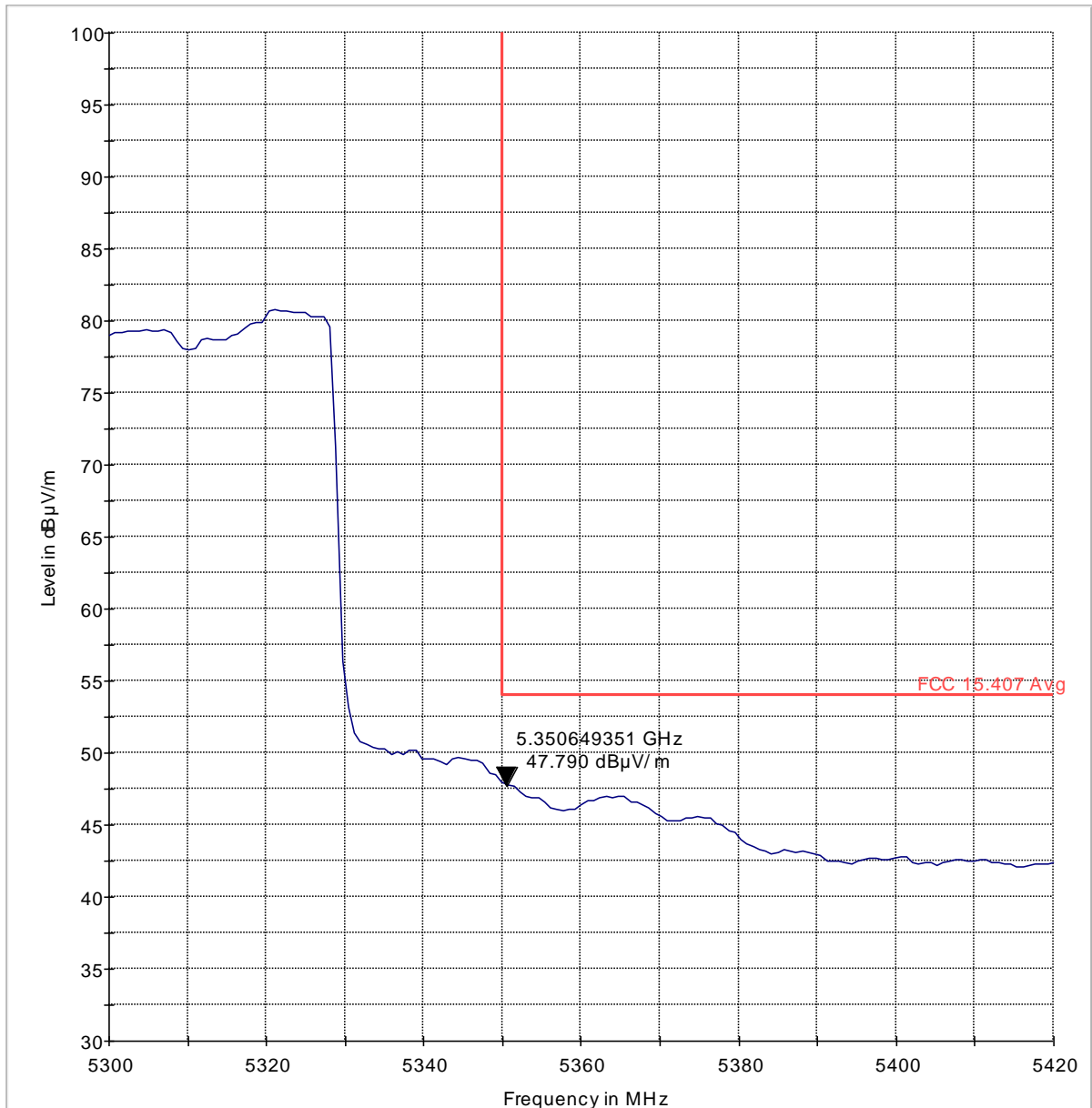
— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg

## 802.11n Ch62 High Band Edge Average



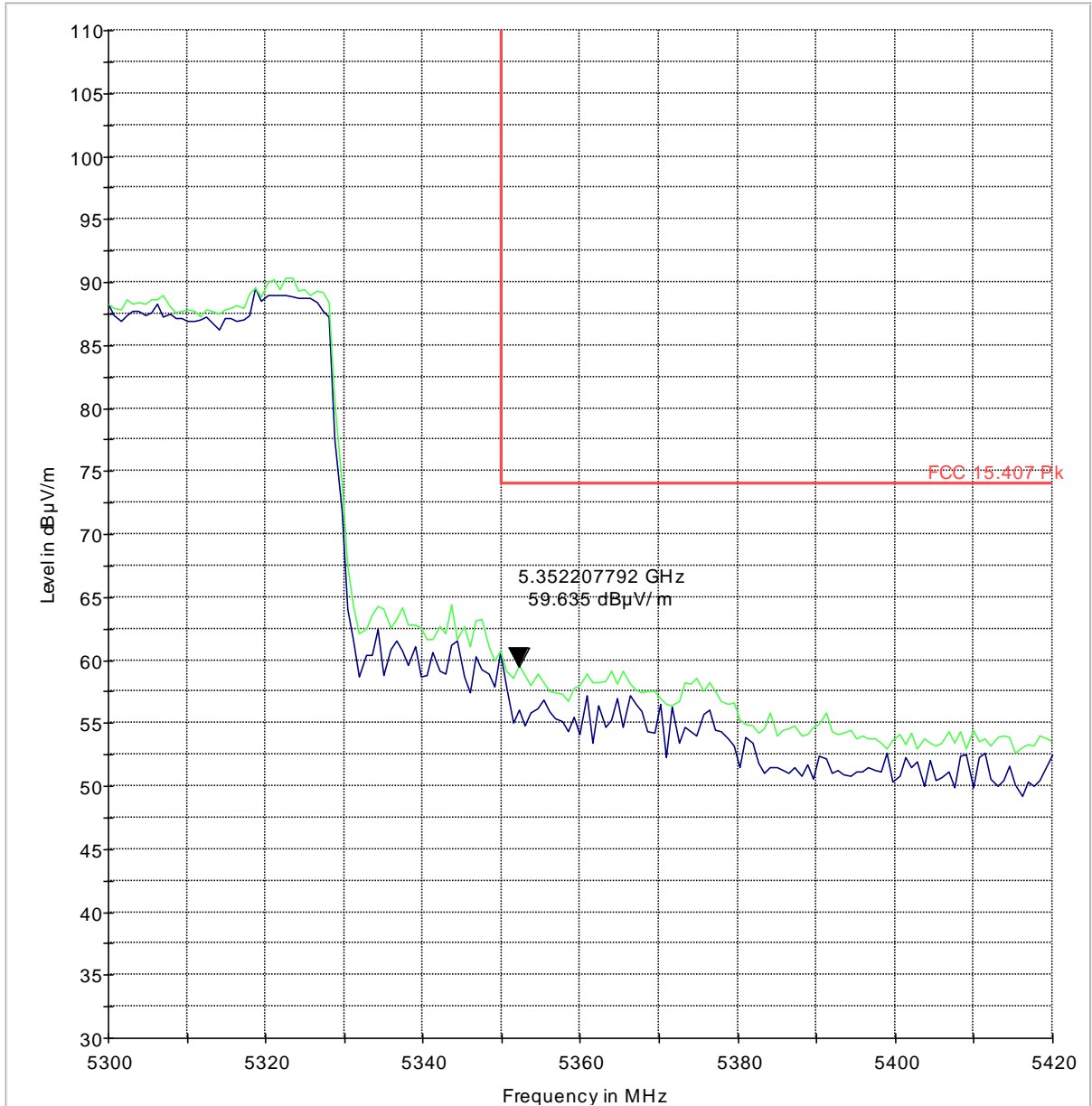
— MaxPeak-ClearWrite-PK+ — MaxPeak-MaxHold-PK+ — FCC 15.407 Pk

## 802.11n Ch62 High Band Edge Peak



— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg

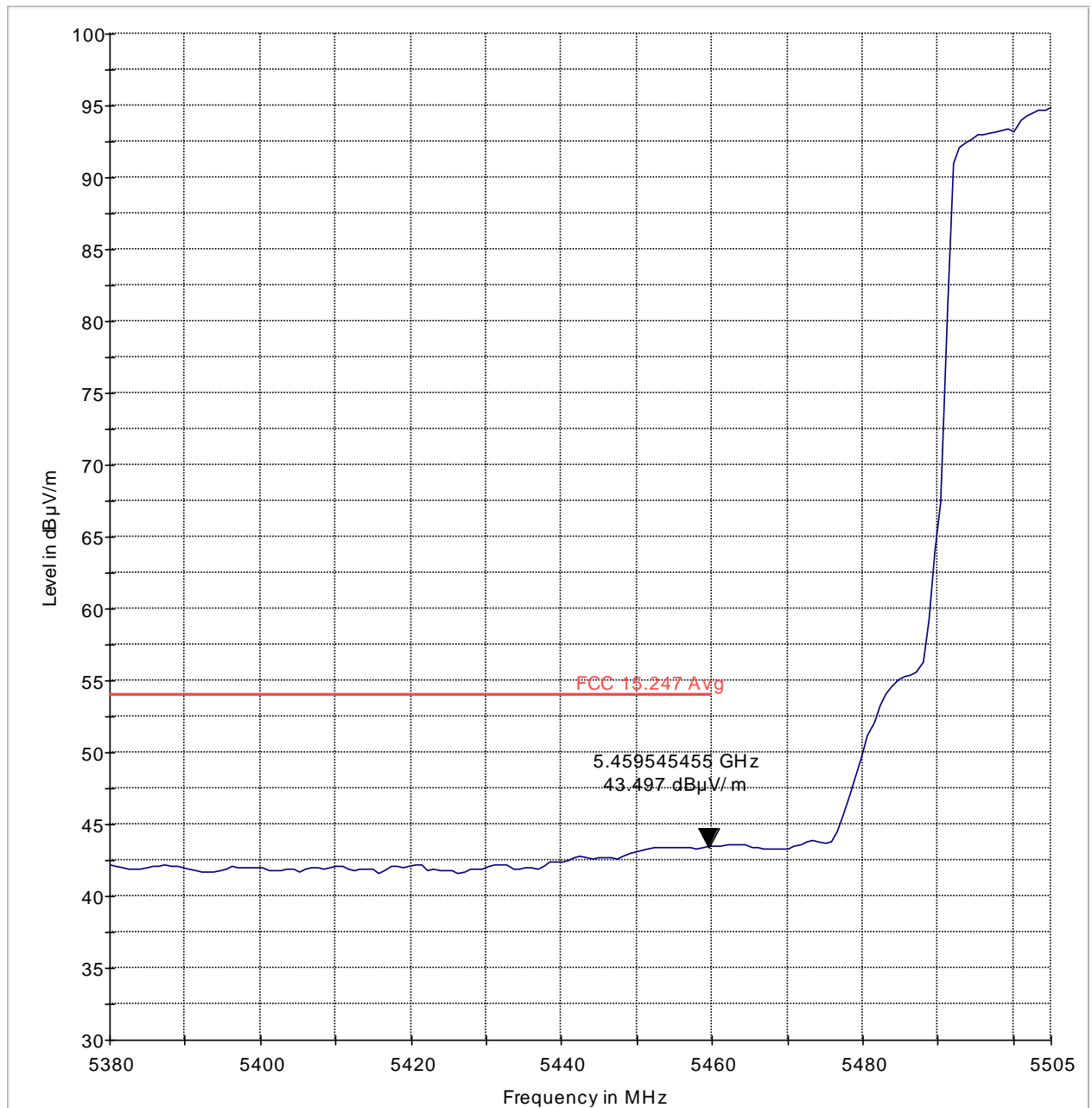
## 802.11ac Ch58 High Band Edge Average



— MaxPeak-ClearWrite-PK+    — MaxPeak-MaxHold-PK+    — FCC 15.407 Pk

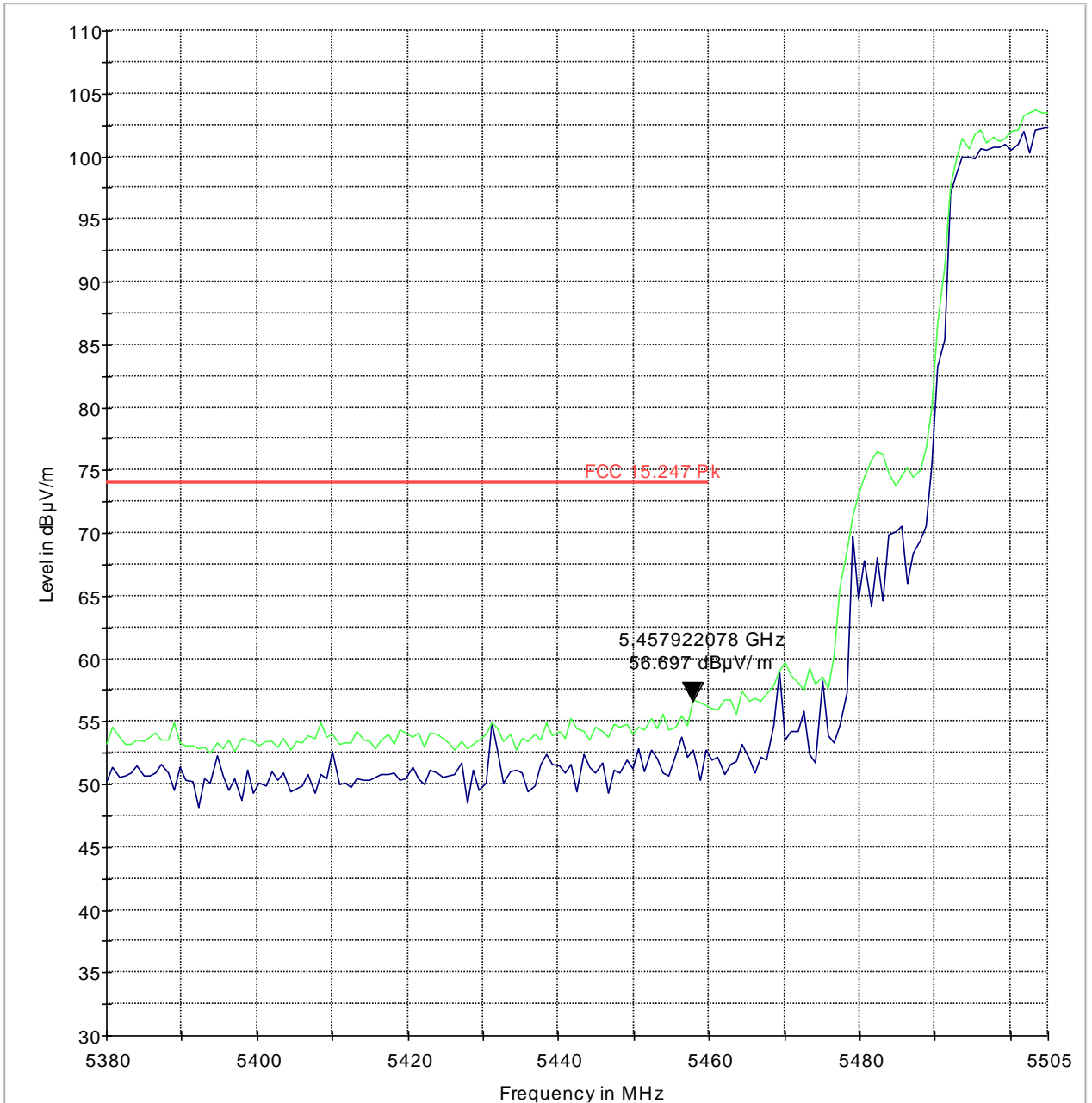
## 802.11ac Ch58 High Band Edge Peak

## UNII-2e Band



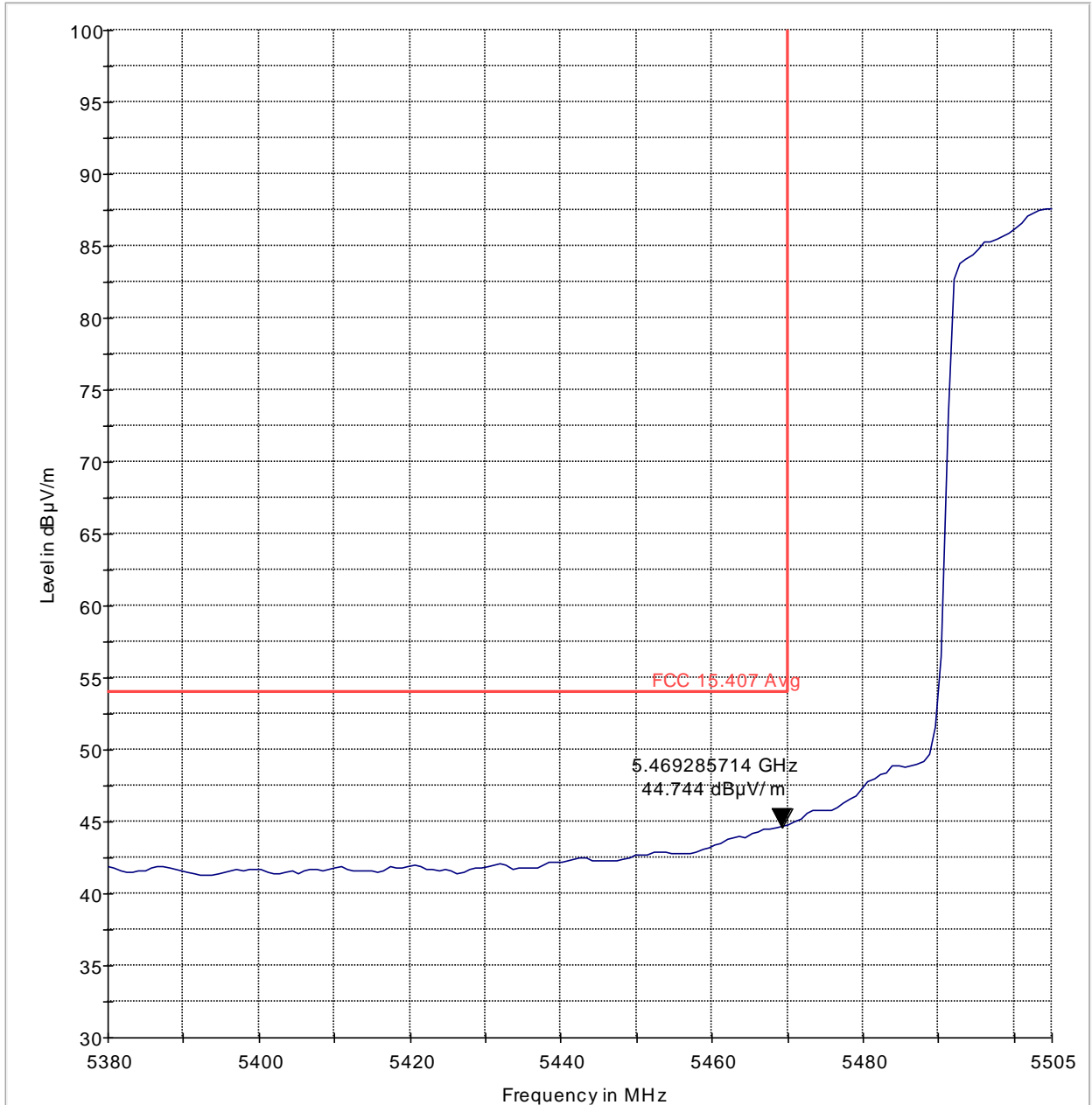
— MaxPeak-MaxHold-PK+ — FCC 15.247 Avg

## 802.11a Ch100 Low Band Edge Average



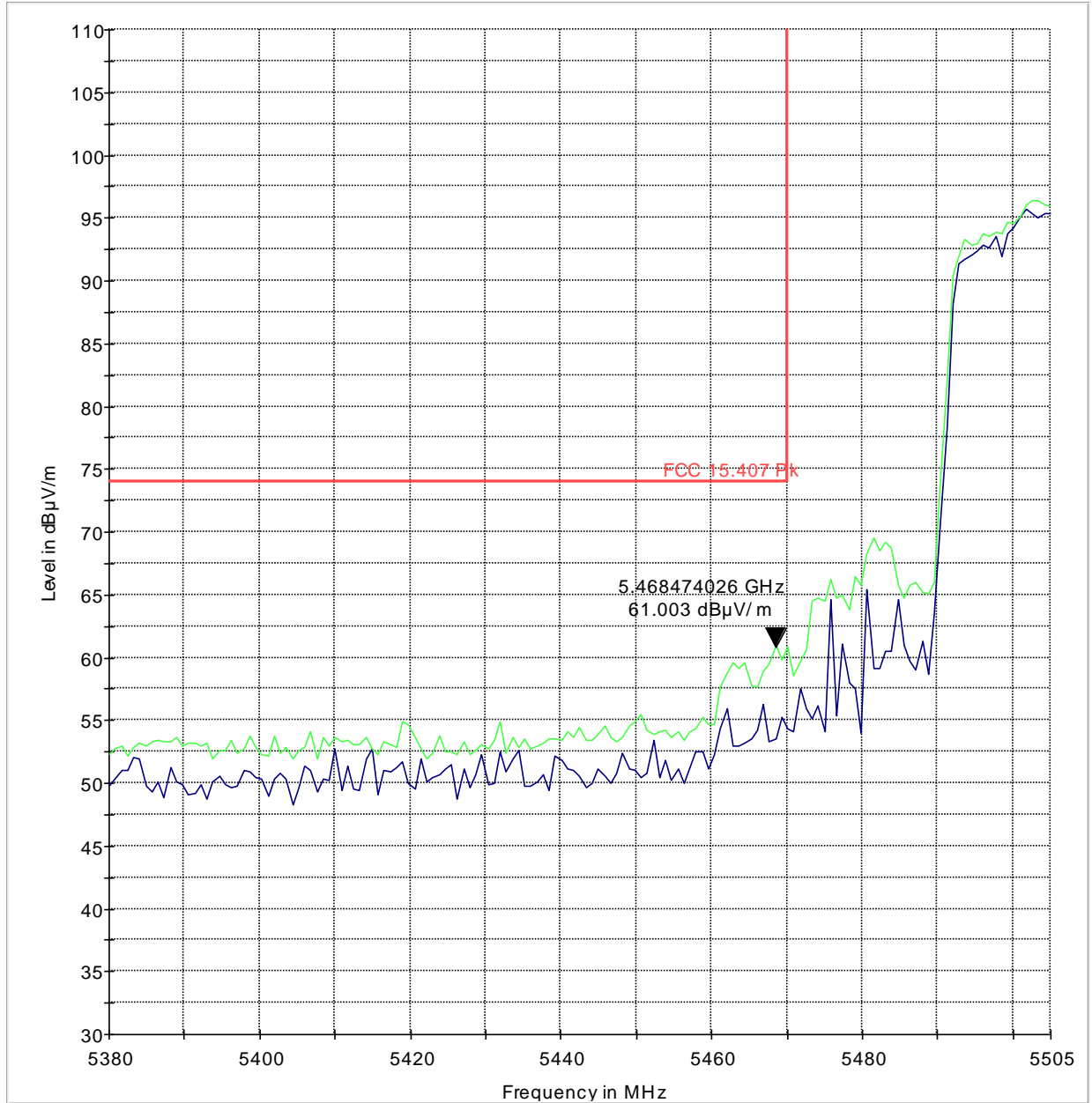
## 802.11a Ch100 Low Band Edge Peak





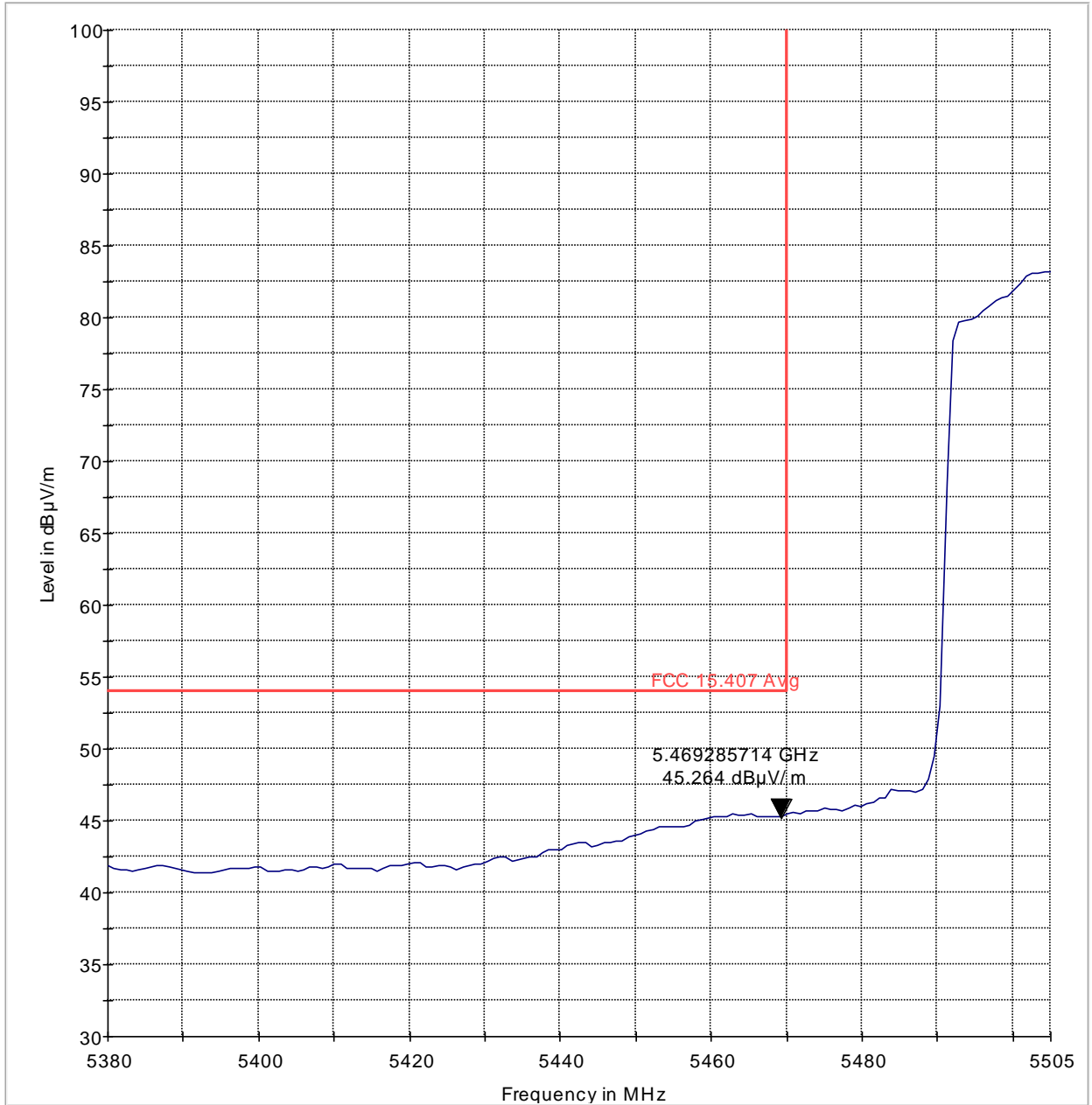
— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg

## 802.11n Ch102 Low Band Edge Average



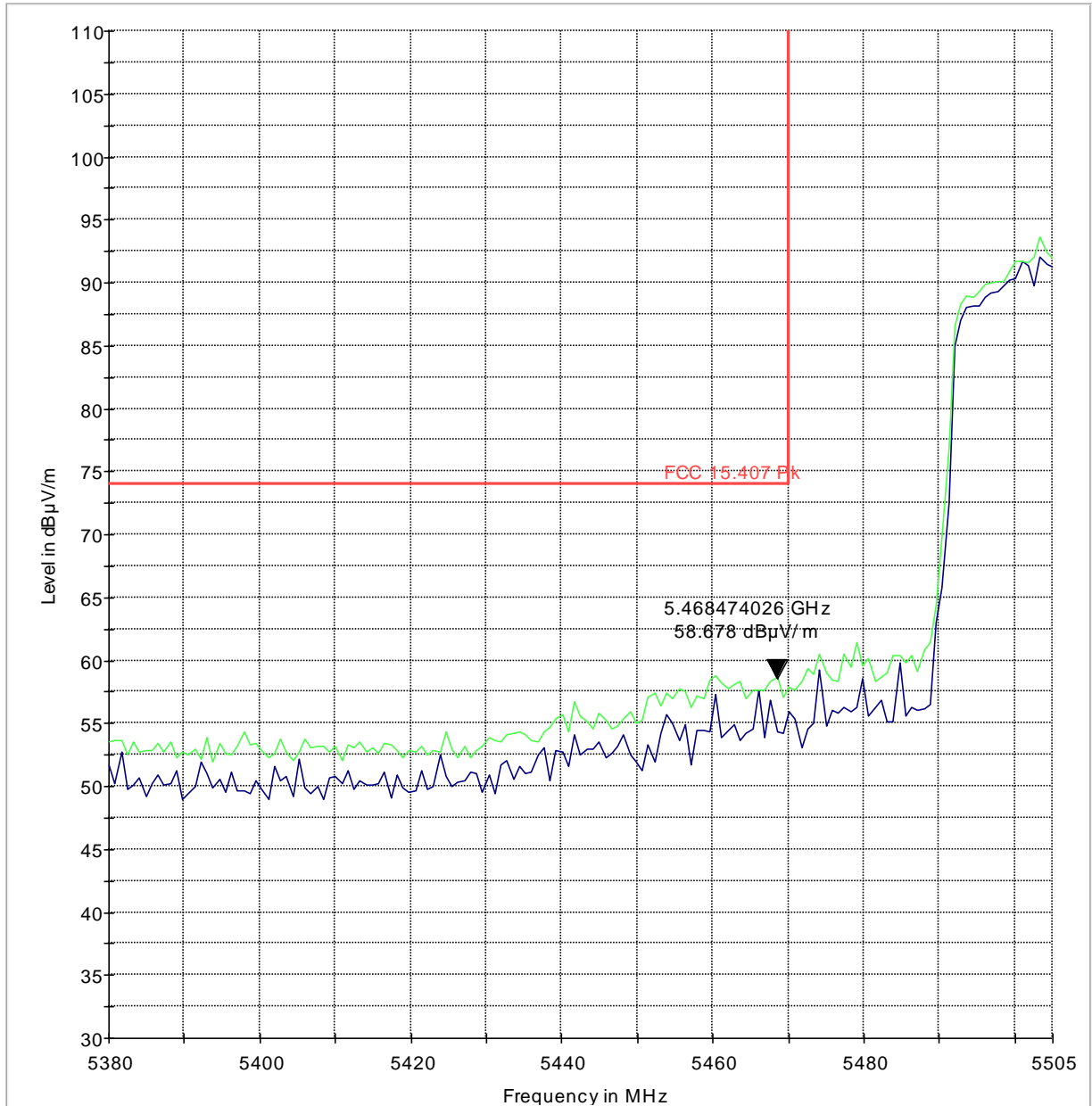
— MaxPeak-ClearWrite-PK+ — MaxPeak-MaxHold-PK+ — FCC 15.407 Pk

## 802.11n Ch102 Low Band Edge Peak



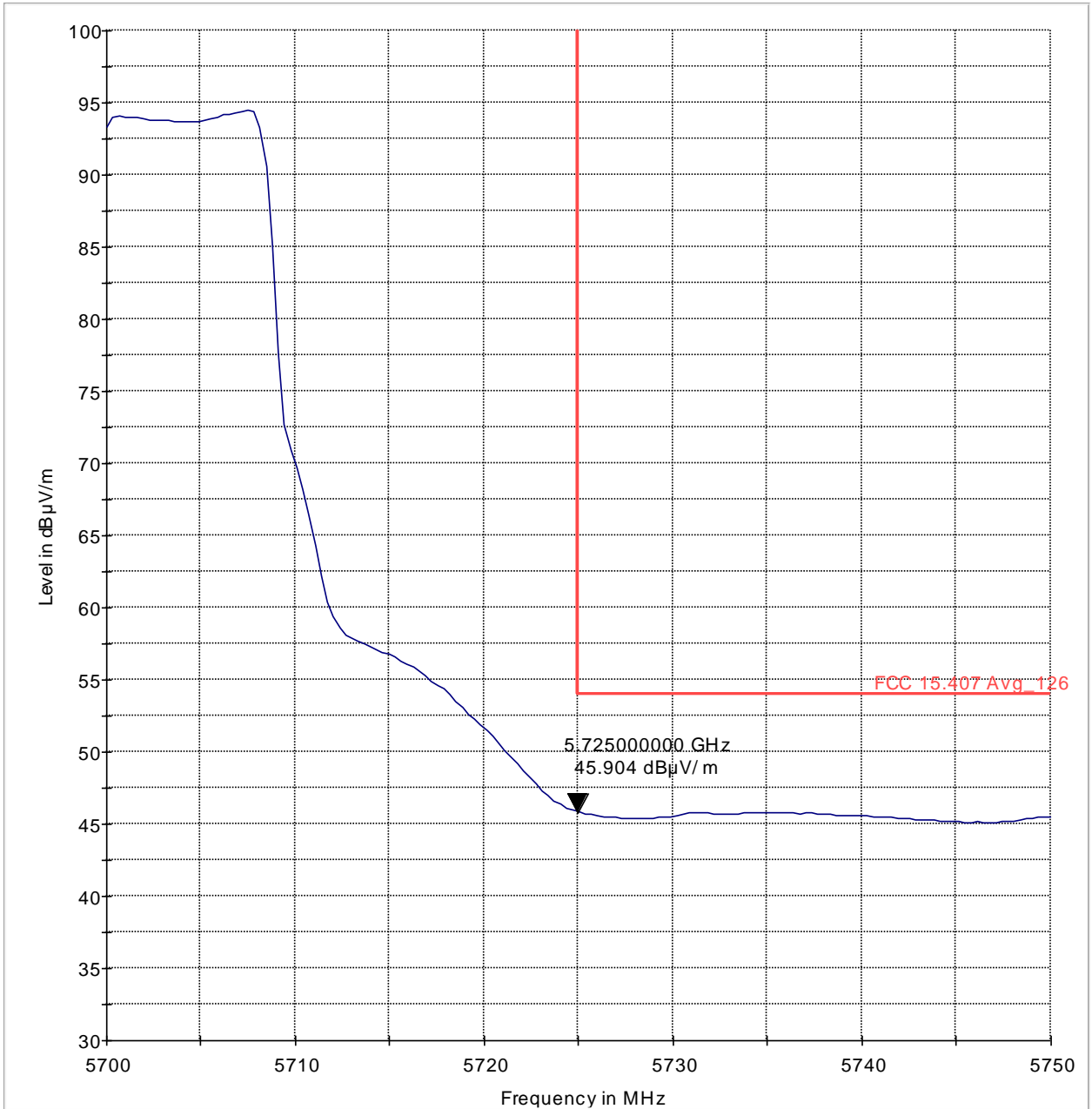
— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg

## 802.11ac Ch106 Low Band Edge Average



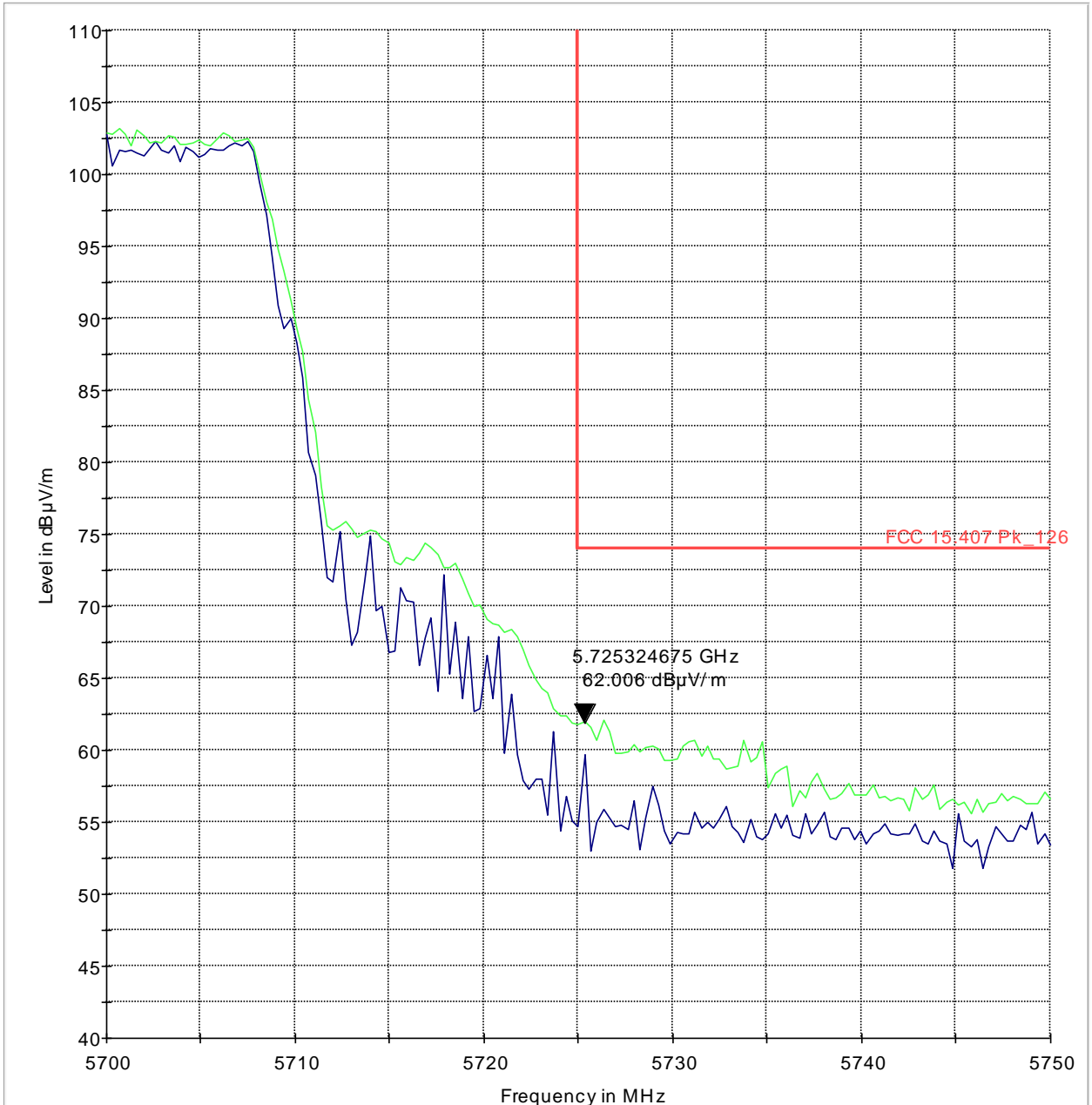
— MaxPeak-ClearWrite-PK+    — MaxPeak-MaxHold-PK+    — FCC 15.407 Pk

## 802.11ac Ch106 Low Band Edge Peak



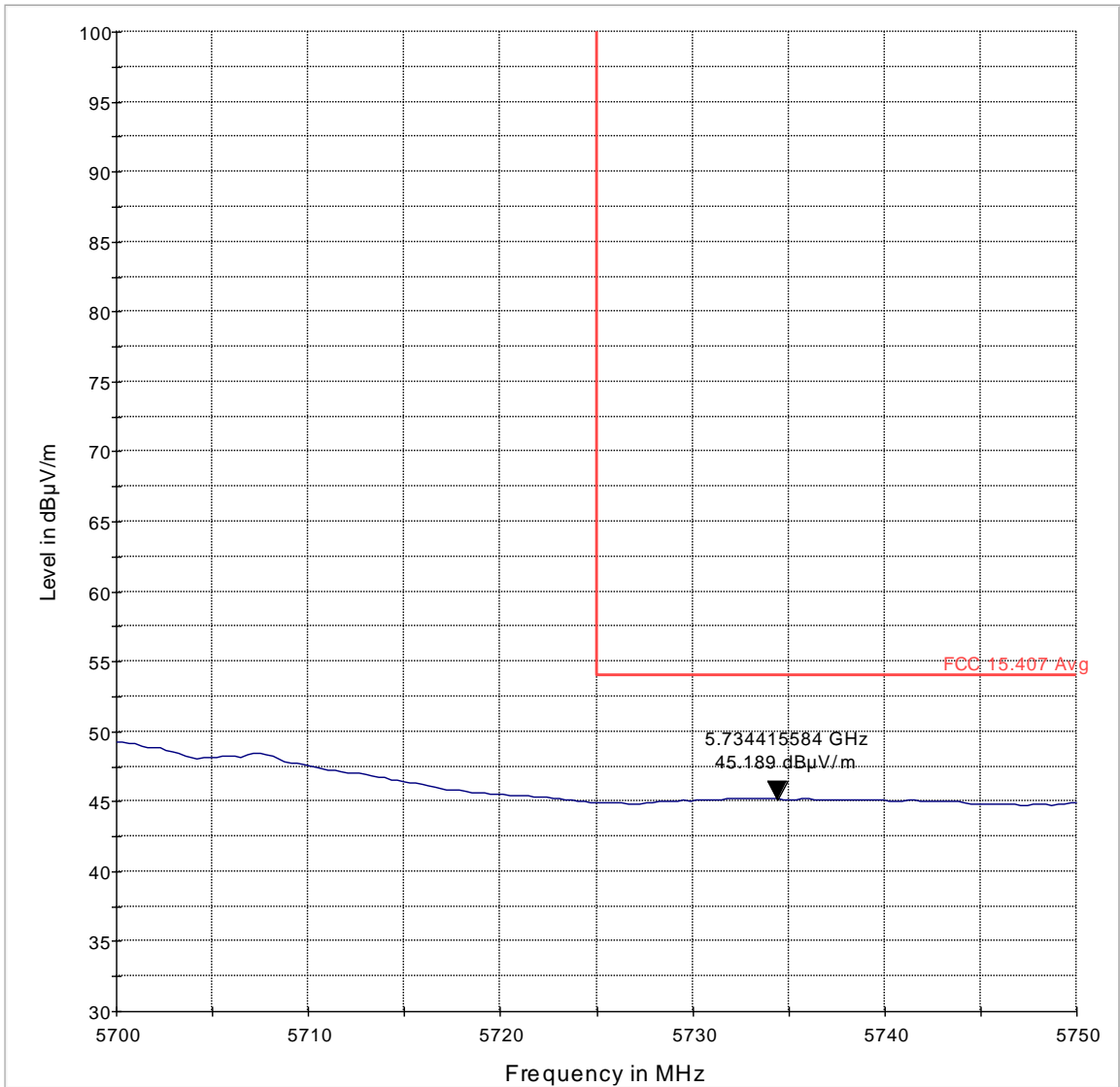
— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg\_126

## 802.11a Ch140 High Band Edge Average



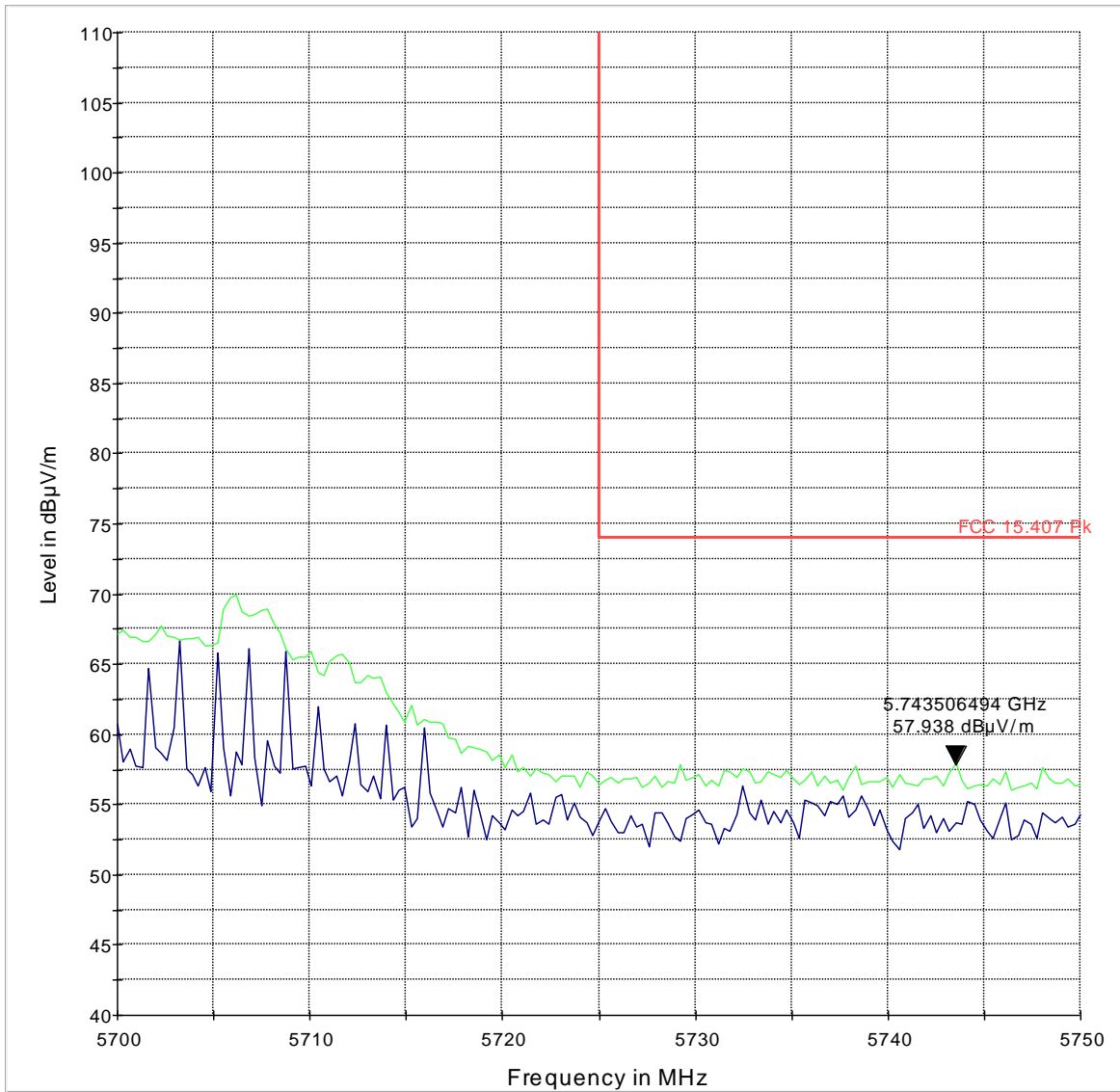
— MaxPeak-ClearWrite-PK+    — MaxPeak-MaxHold-PK+    — FCC 15.407 Pk\_126

## 802.11a Ch140 High Band Edge Peak



— MaxPeak-MaxHold-PK+ — FCC 15.407 Avg

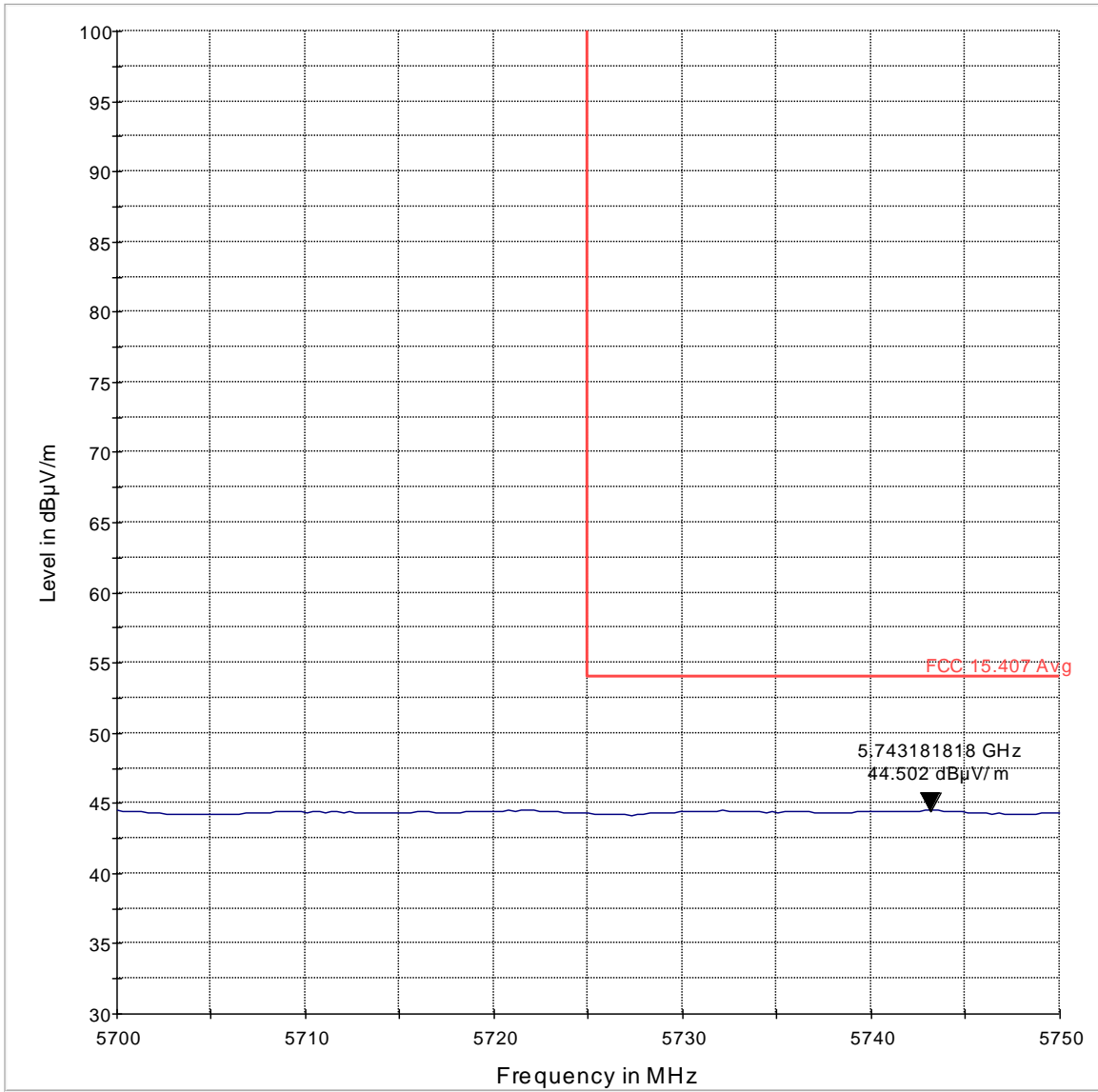
## 802.11n Ch134 High Band Edge Average



— MaxPeak-ClearWrite-PK+    — MaxPeak-MaxHold-PK+    — FCC 15.407 Pk

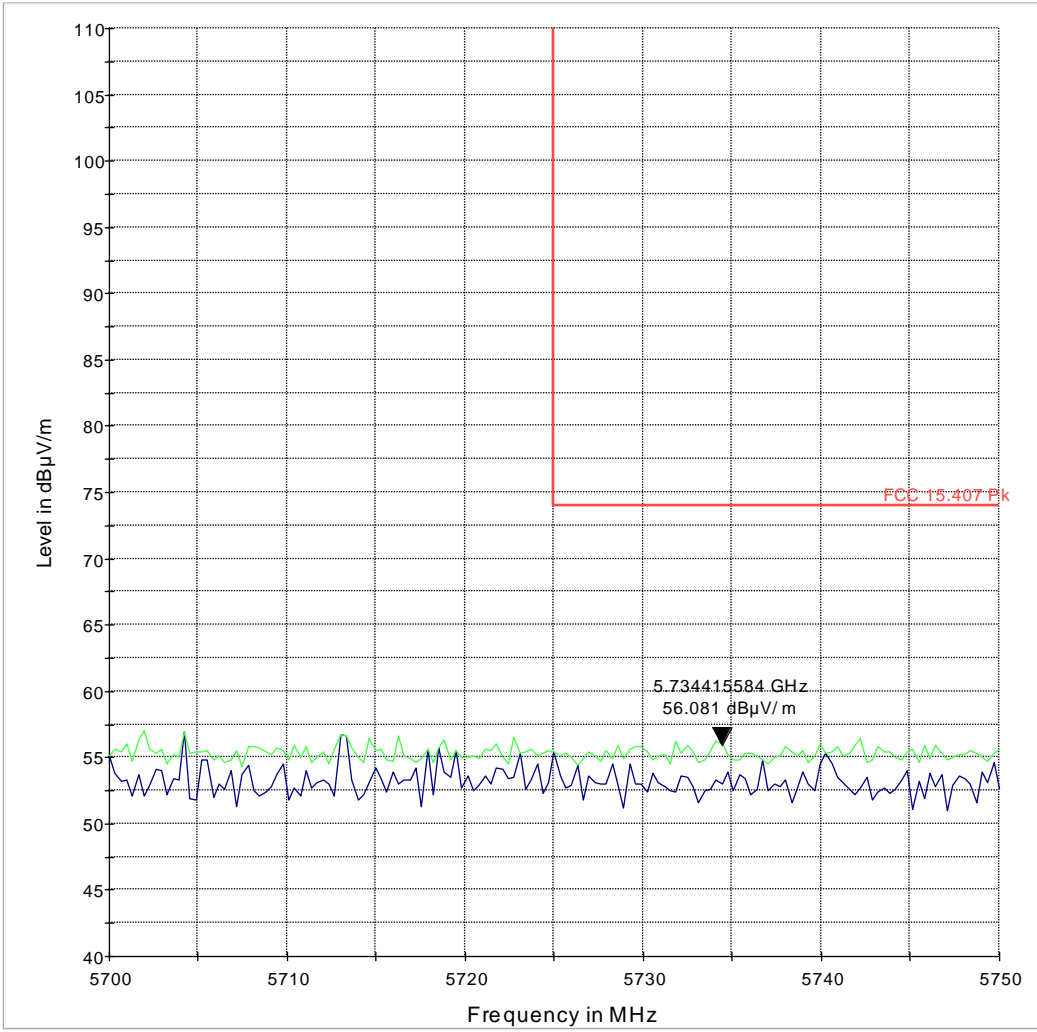
## 802.11n Ch134 High Band Edge Peak





— MaxPeak-MaxHold-PK+    — FCC 15.407 Avg

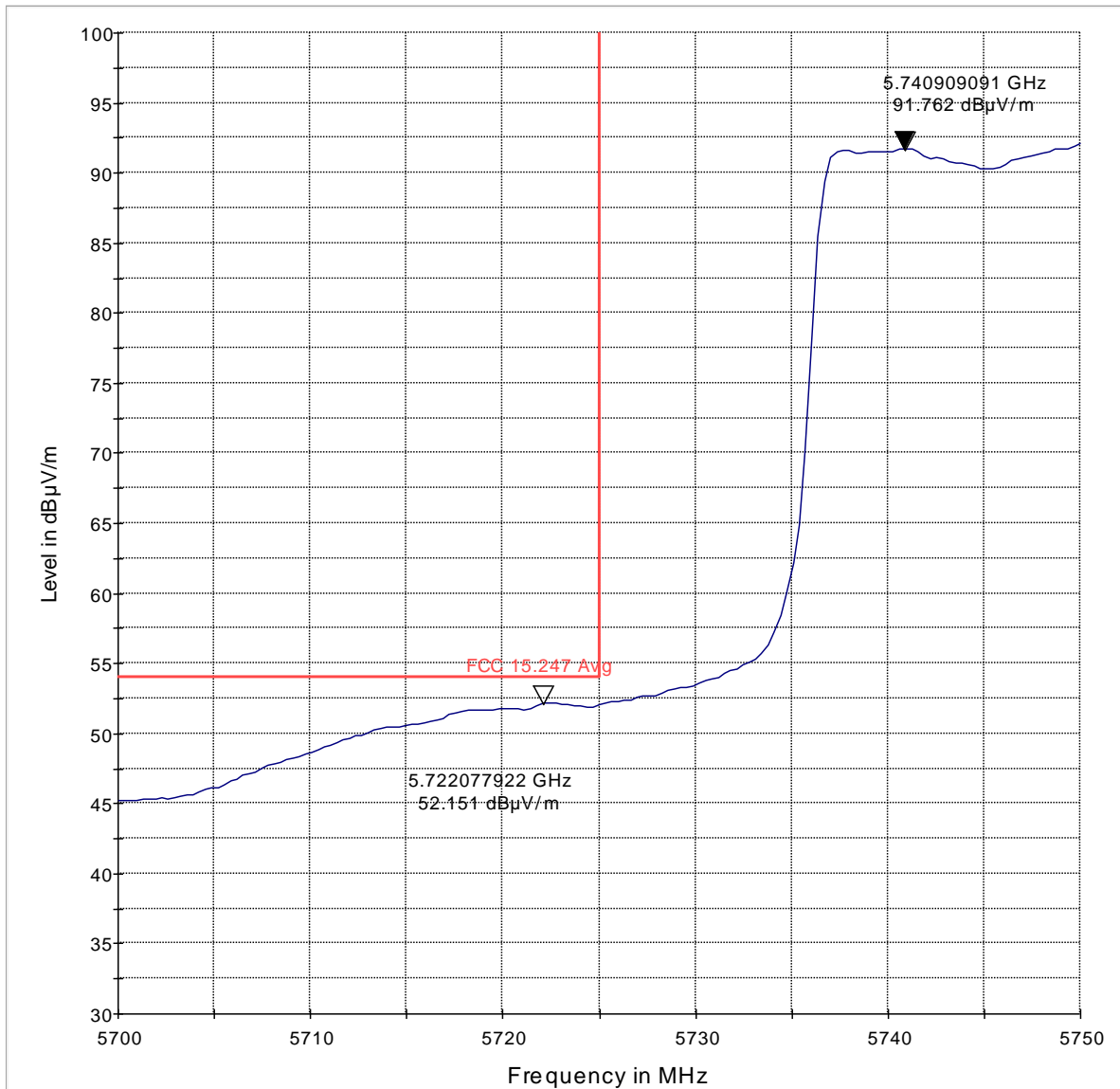
## 802.11ac Ch122 High Band Edge Average



MaxPeak-ClearWrite-PK+    MaxPeak-MaxHold-PK+    FCC 15.407 PK

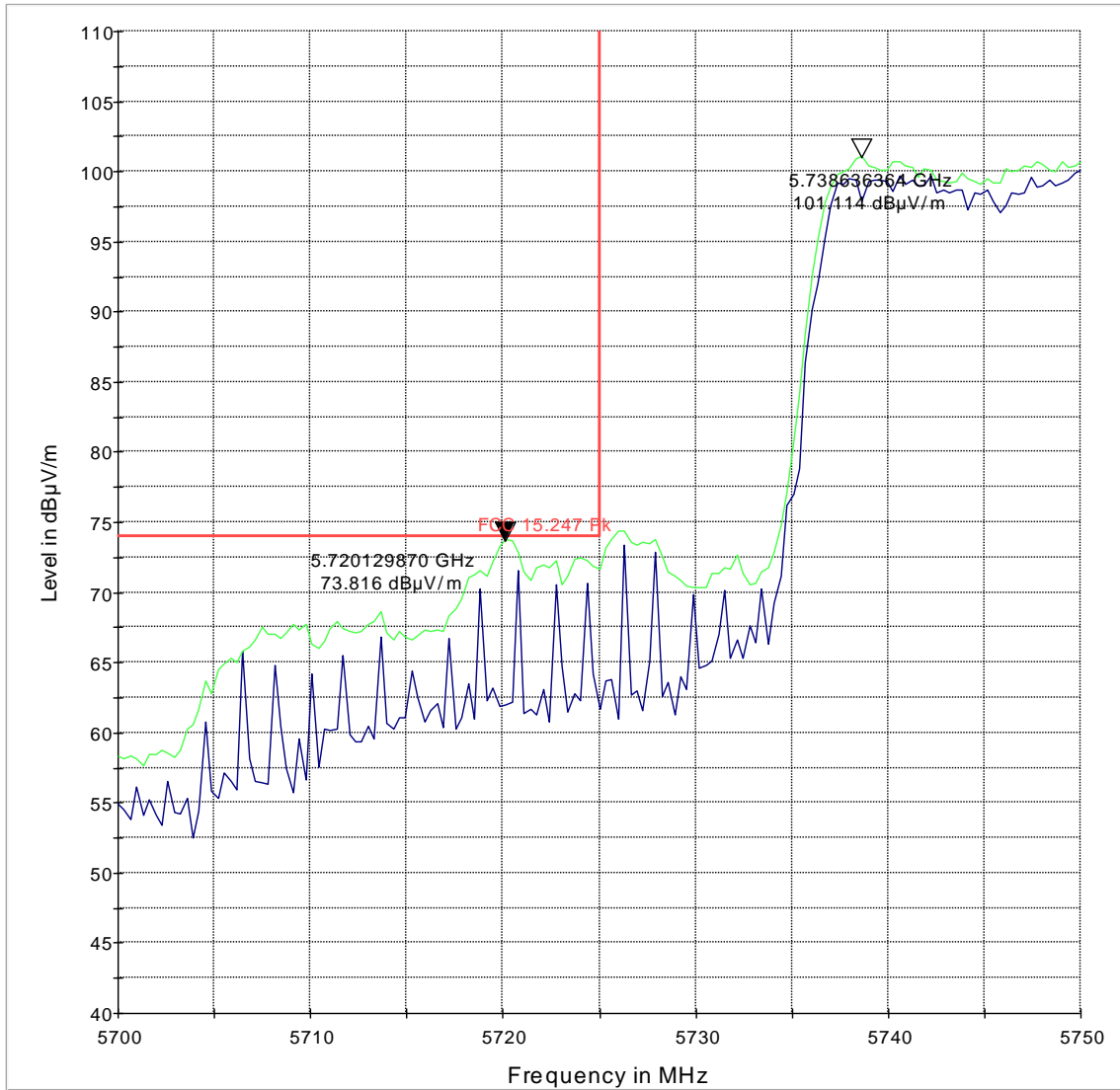
## 802.11ac Ch122 High Band Edge Peak

# UNII-3 Band



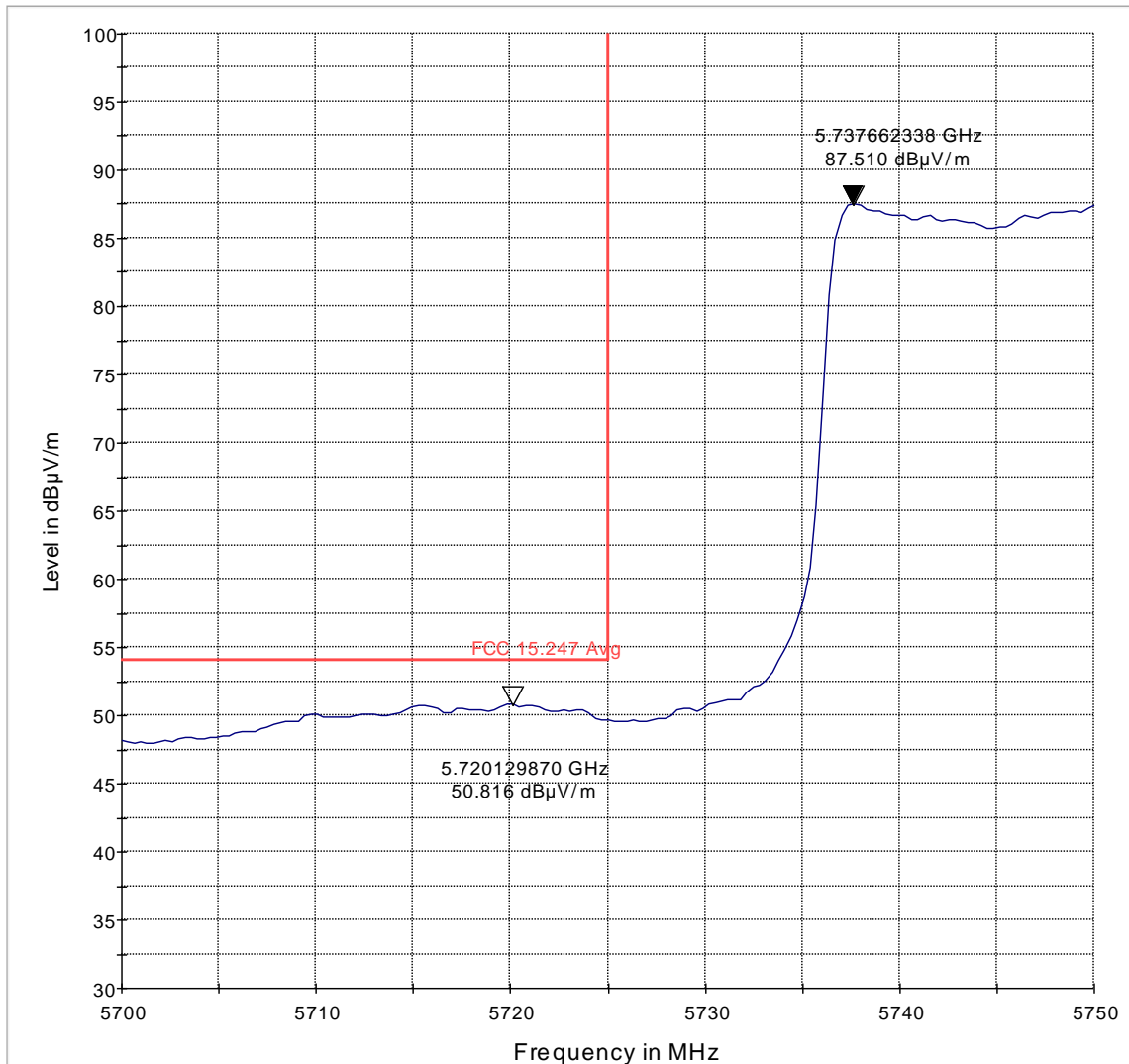
— MaxPeak-MaxHold-PK+    — FCC 15.247 Avg

## 802.11n Ch151 Low Band Edge Average



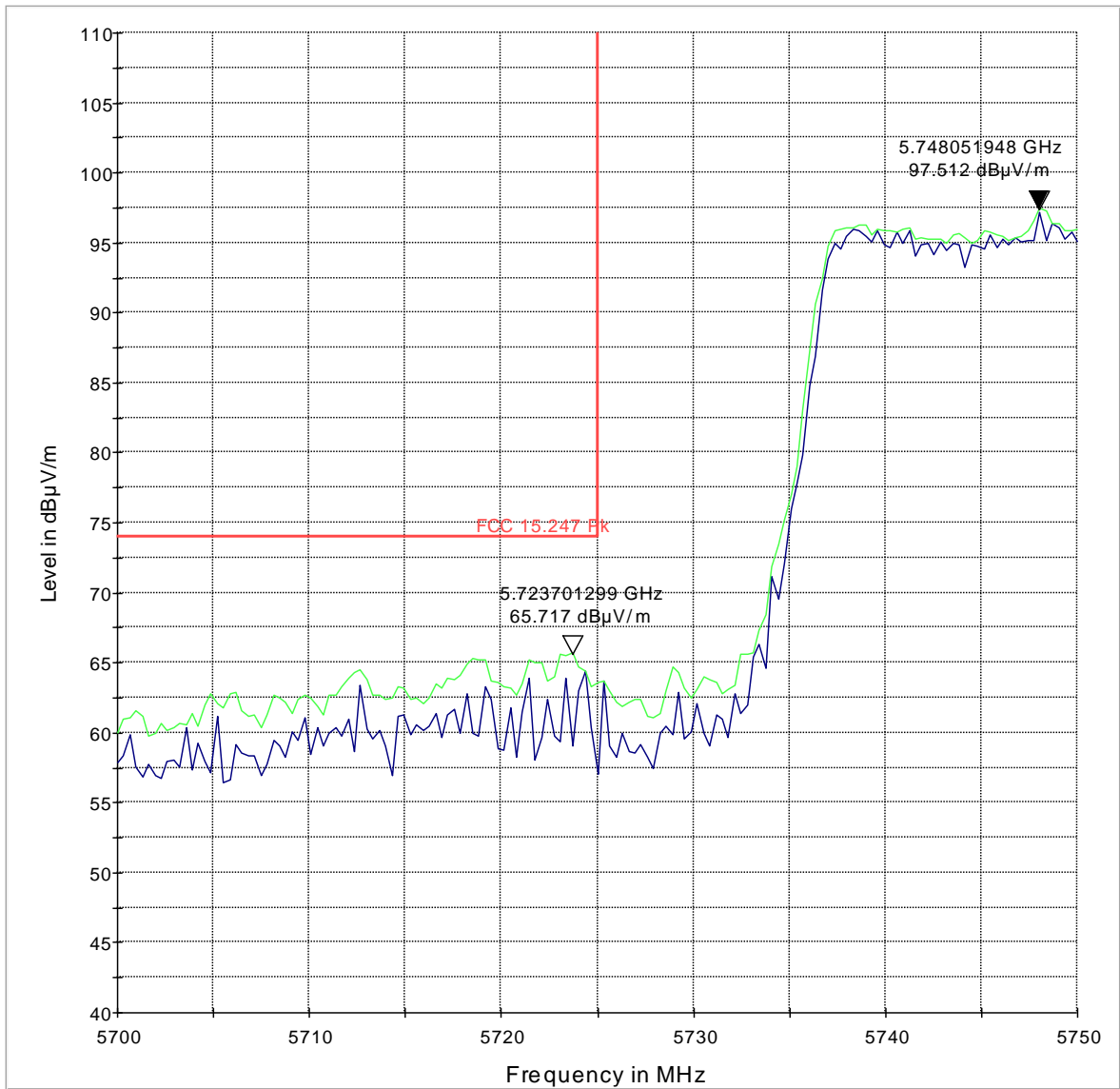
— MaxPeak-ClearWrite-PK+    — MaxPeak-MaxHold-PK+    — FCC 15.247 Pk

## 802.11n Ch151 Low Band Edge Peak



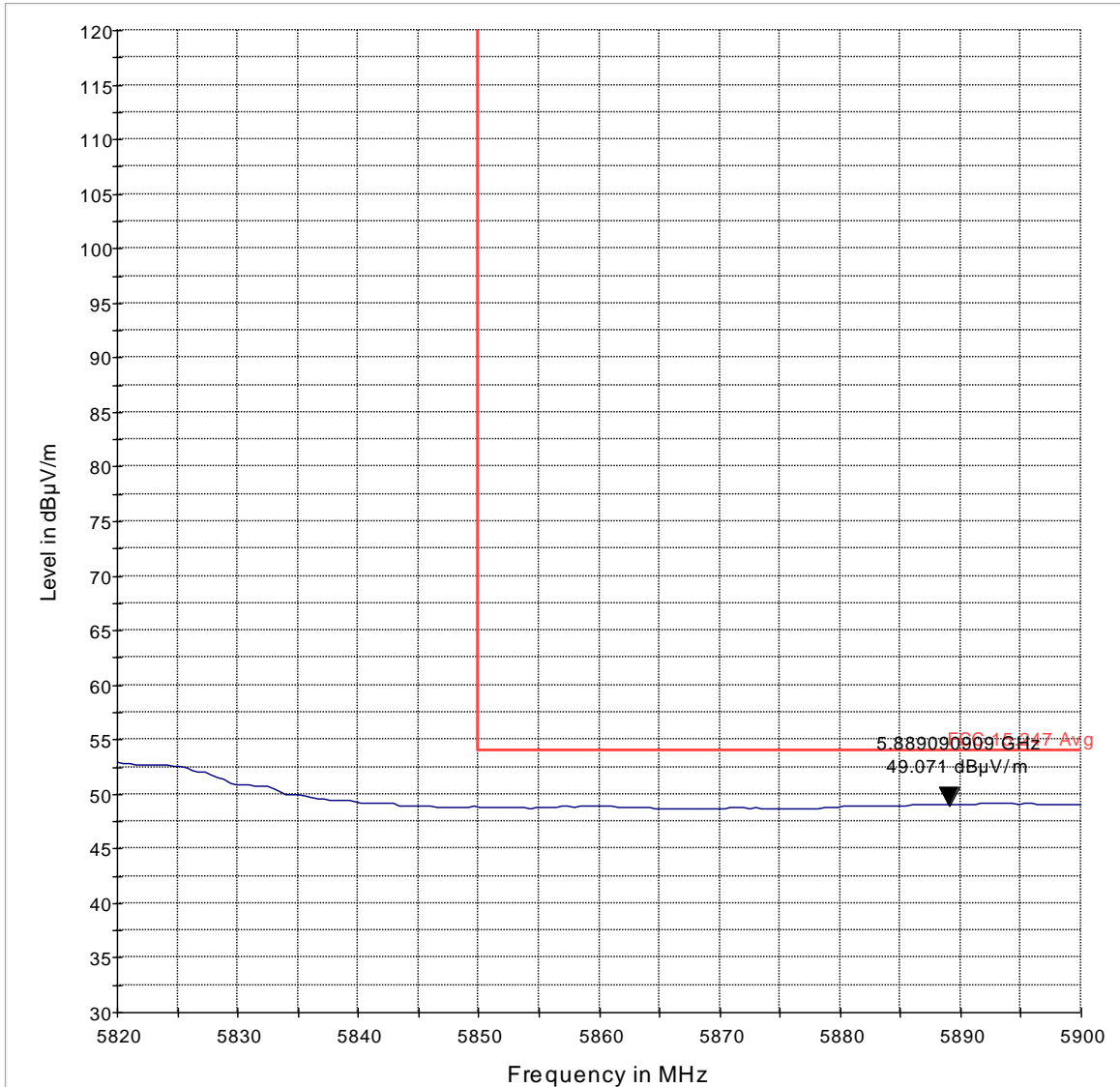
— MaxPeak-MaxHold-PK+    — FCC 15.247 Avg

## 802.11ac Ch155 Low Band Edge Average



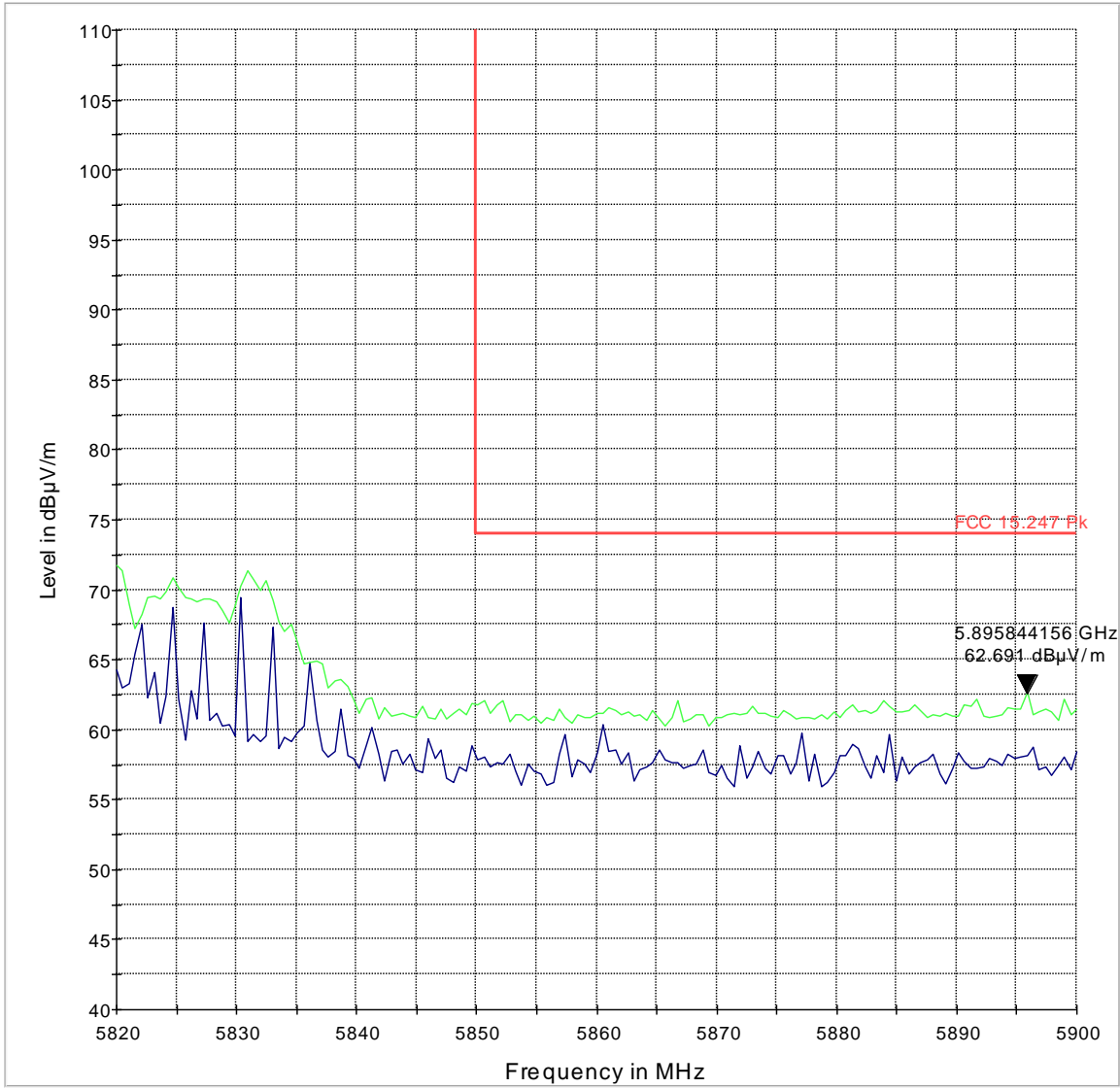
— MaxPeak-ClearWrite-PK+   
 — MaxPeak-MaxHold-PK+   
 — FCC 15.247 Pk

## 802.11ac Ch155 Low Band Edge Peak



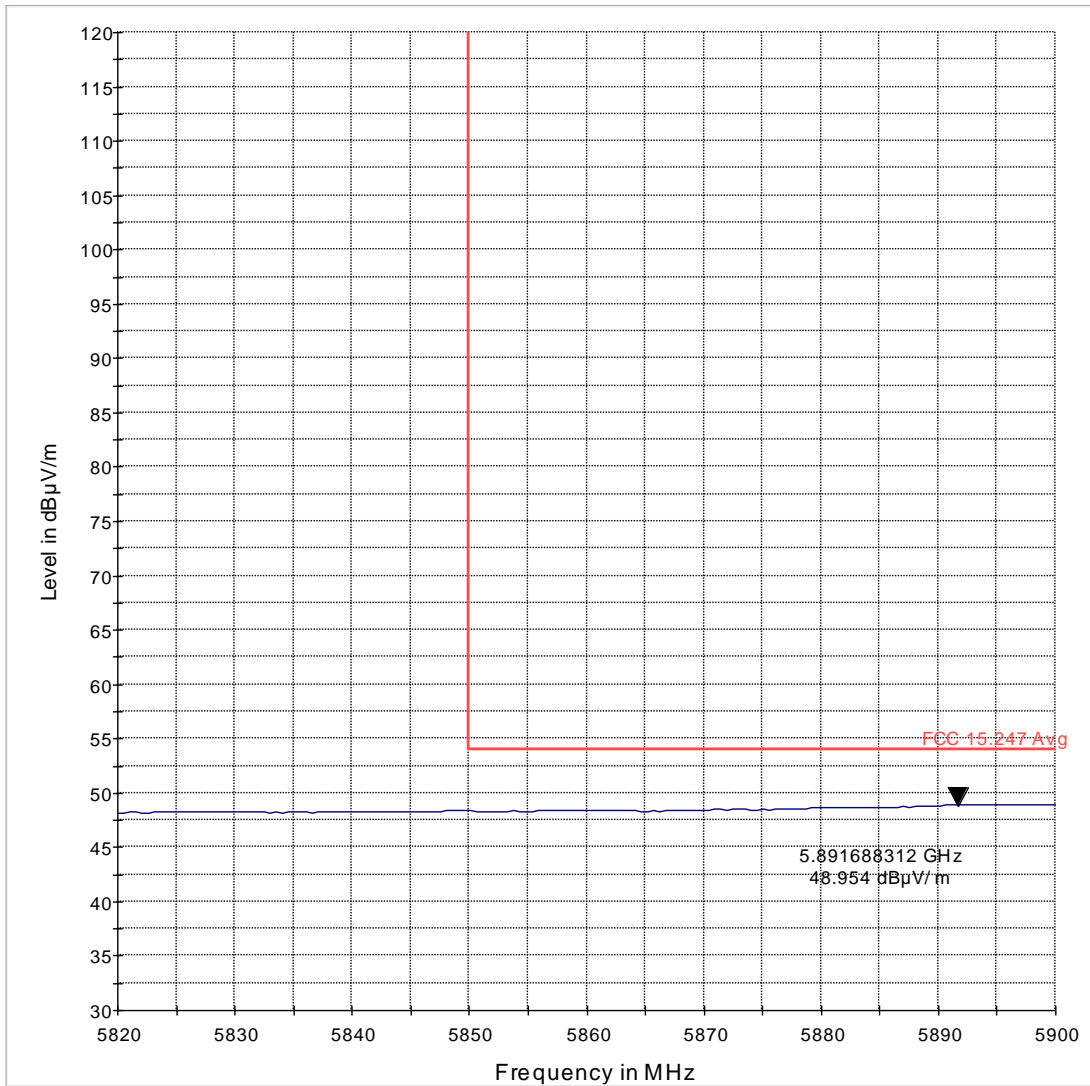
— MaxPeak-MaxHold-PK+ — FCC 15.247 Avg

## 802.11n Ch159 High Band Edge Average



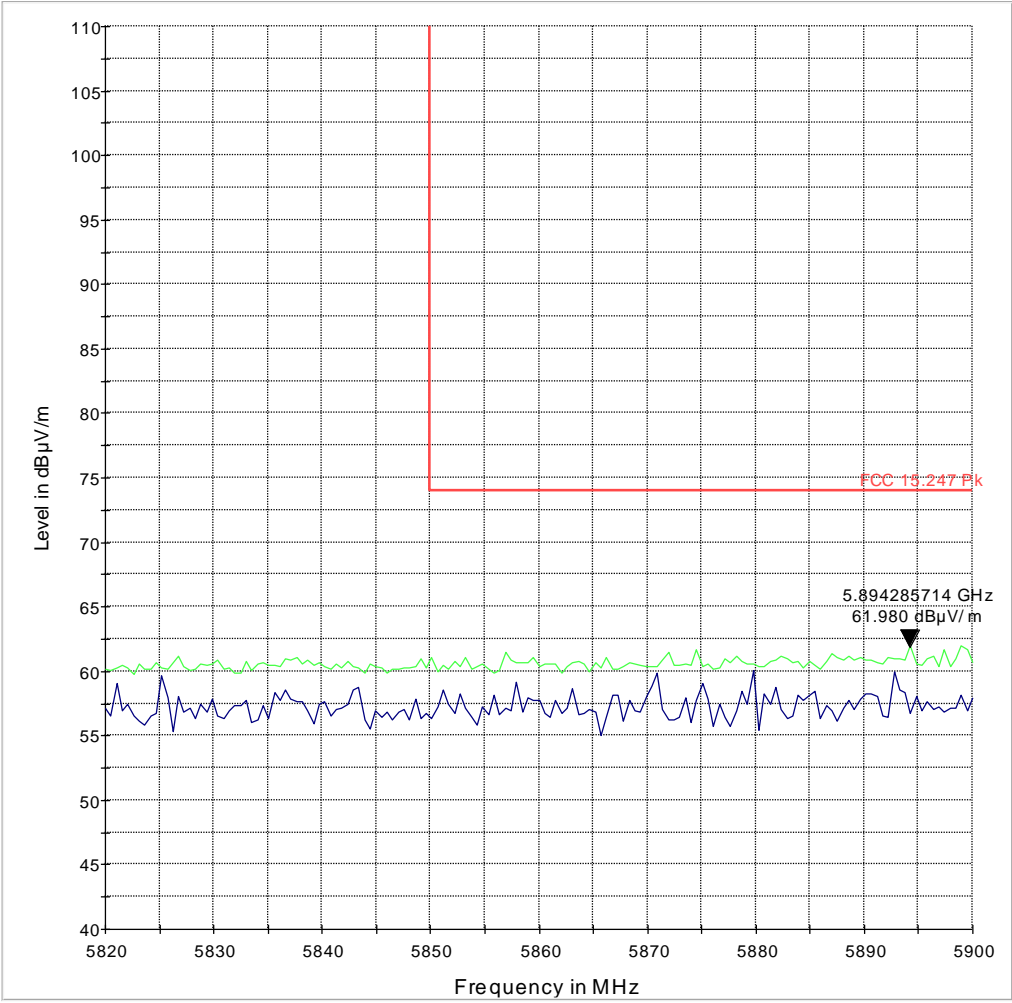
## 802.11n Ch159 High Band Edge Peak





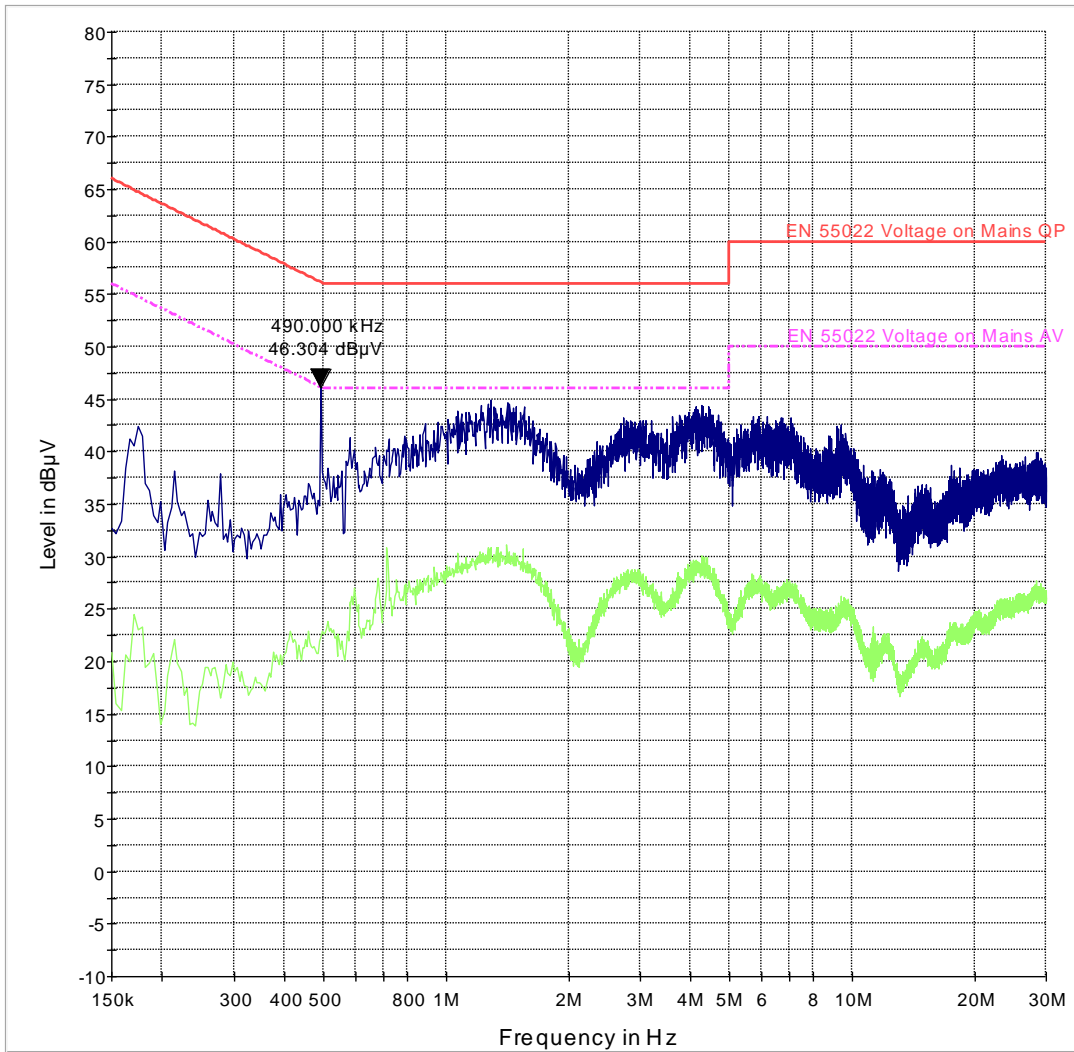
— MaxPeak-MaxHold-PK+    — FCC 15.247 Avg

## 802.11ac Ch155 High Band Edge Average



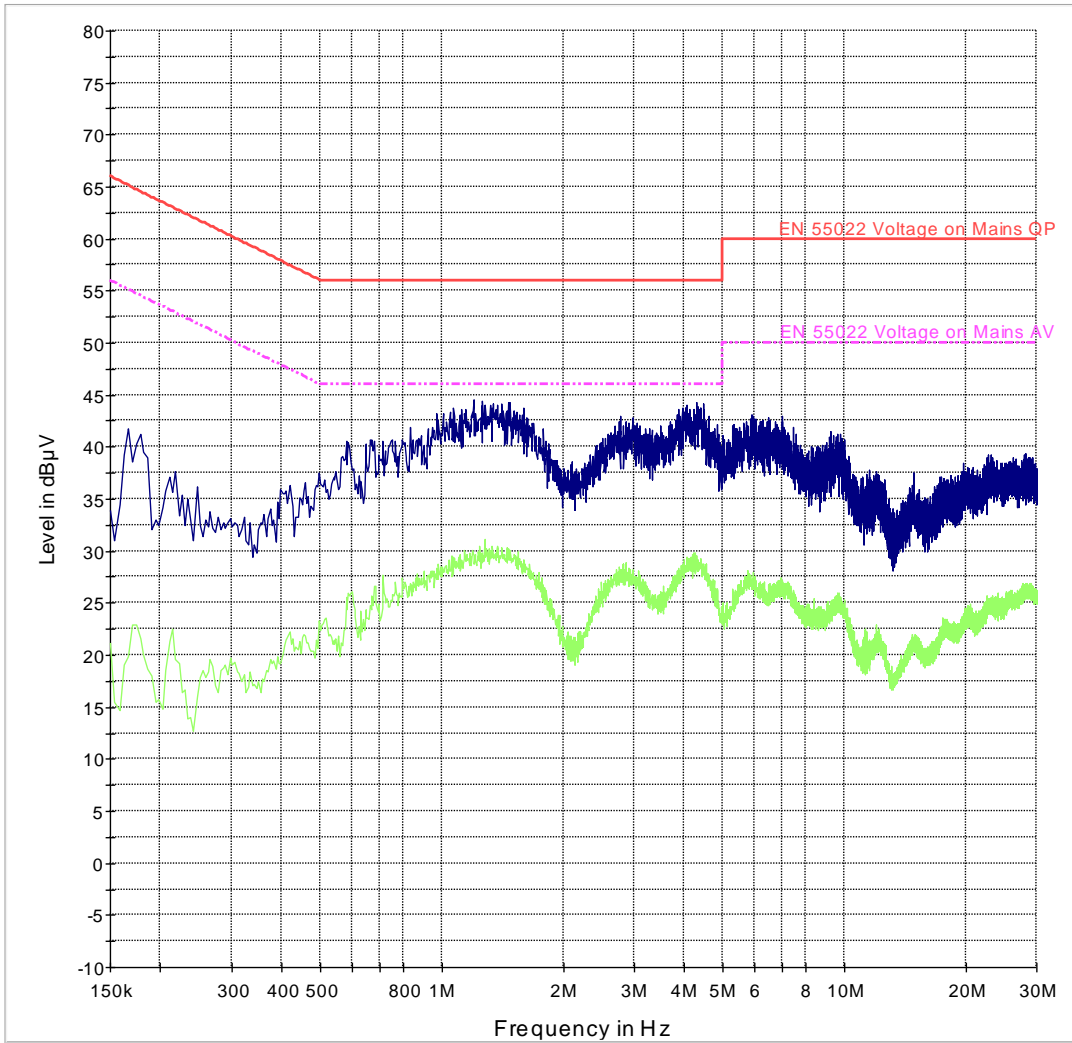
# 802.11ac Ch155 High Band Edge Peak

# Emissions into the AC power line



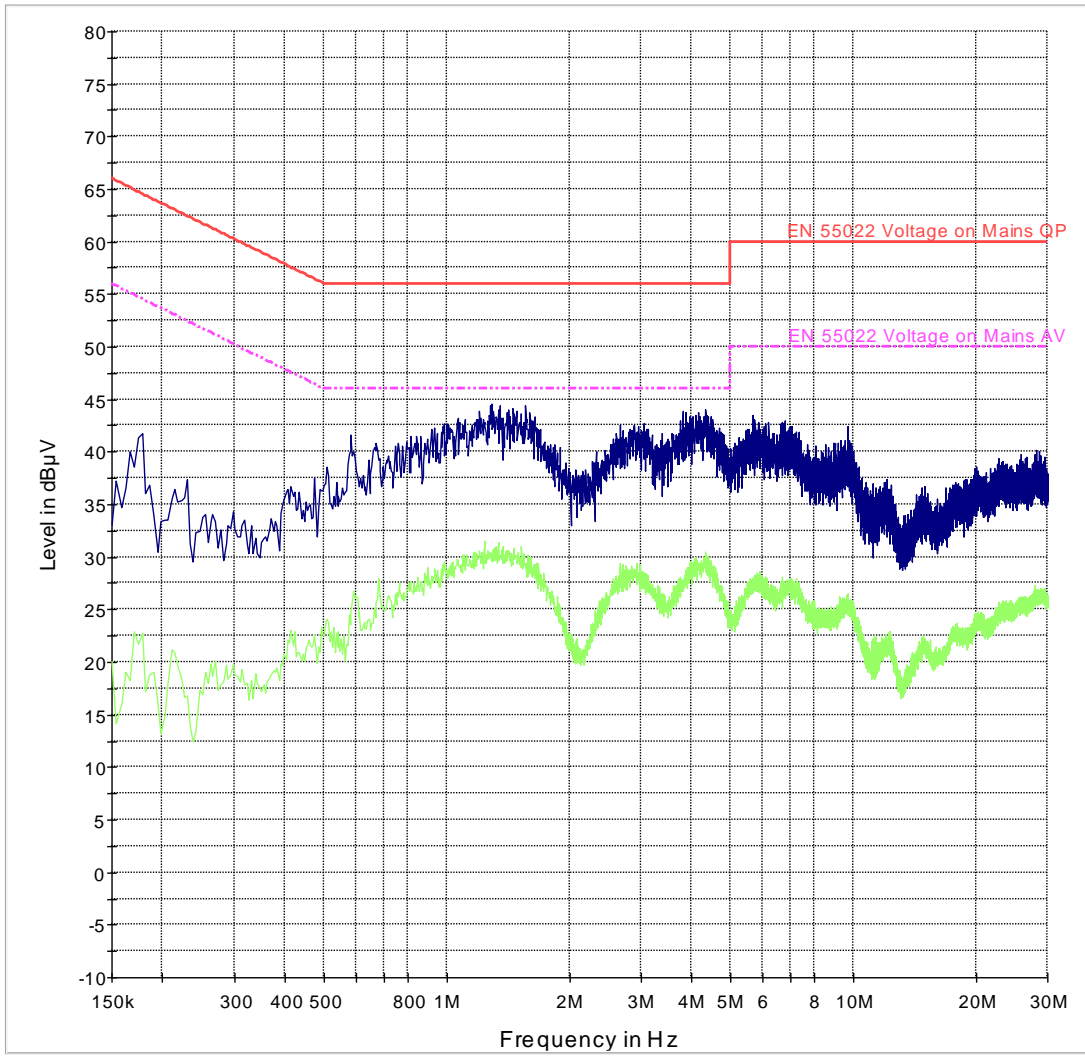
— EN 55022 Voltage on Mains QP      - - - EN 55022 Voltage on Mains AV  
— Preview Result 1-PK+                - - - Preview Result 2-AVG

# Cond Emi\_N[20] MODE\_CH 36



— EN 55022 Voltage on Mains QP    - - - EN 55022 Voltage on Mains AV  
— Preview Result 1-PK+            — Preview Result 2-AVG

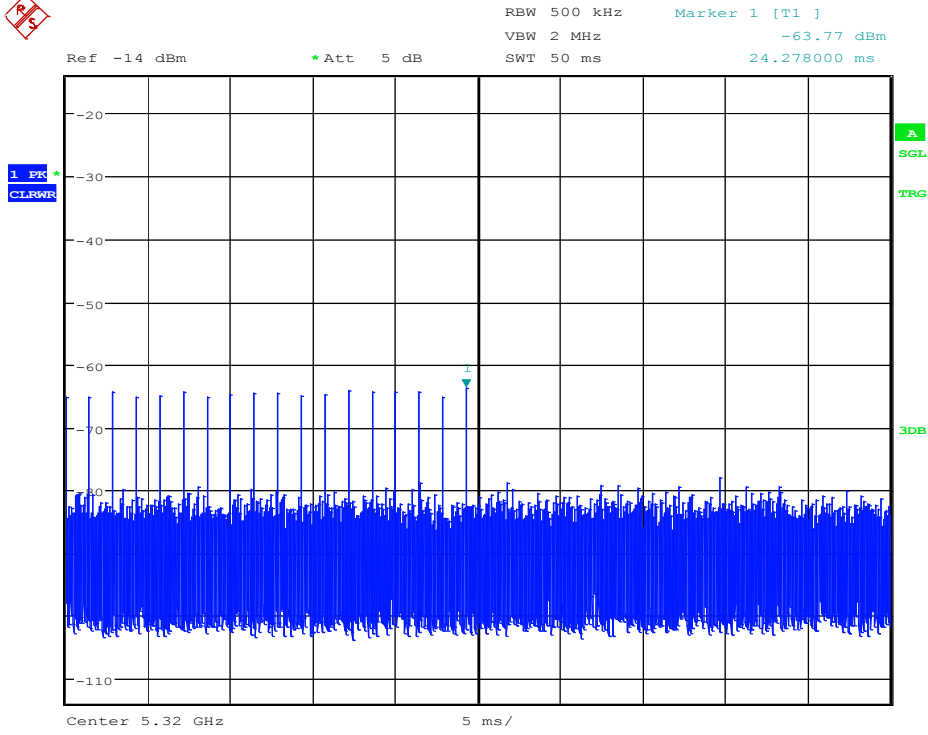
## Cond Emi\_N[40] MODE\_CH 102



— EN 55022 Voltage on Mains QP     - - - EN 55022 Voltage on Mains AV  
— Preview Result 1-PK+            — Preview Result 2-AVG

## Cond Emi\_AC[80] MODE\_CH 155

# DFS



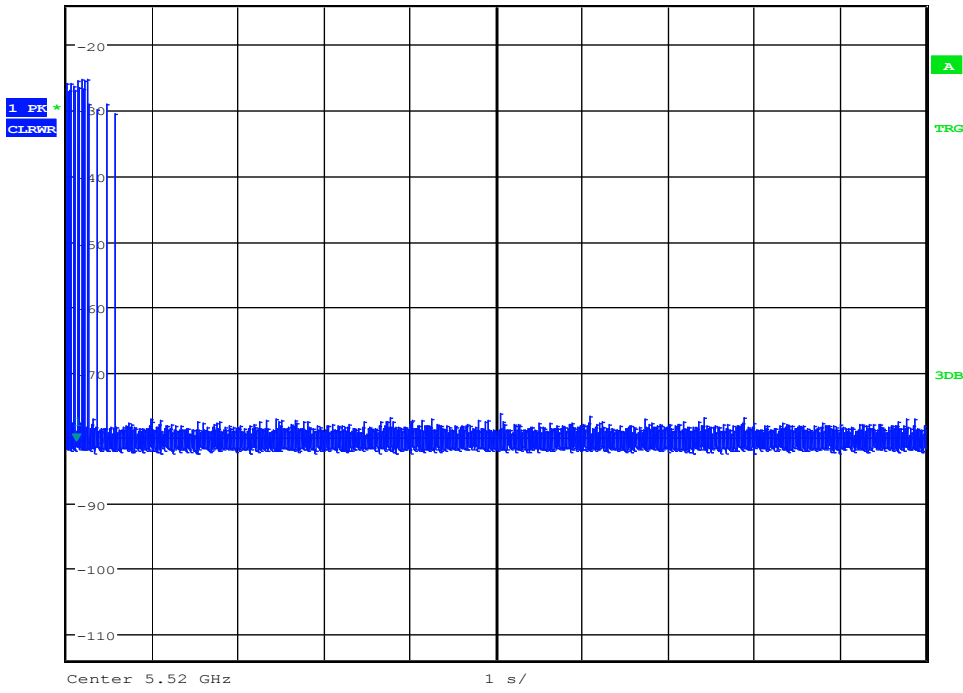
Date: 8.APR.2014 12:04:10

## Radar signal calibration



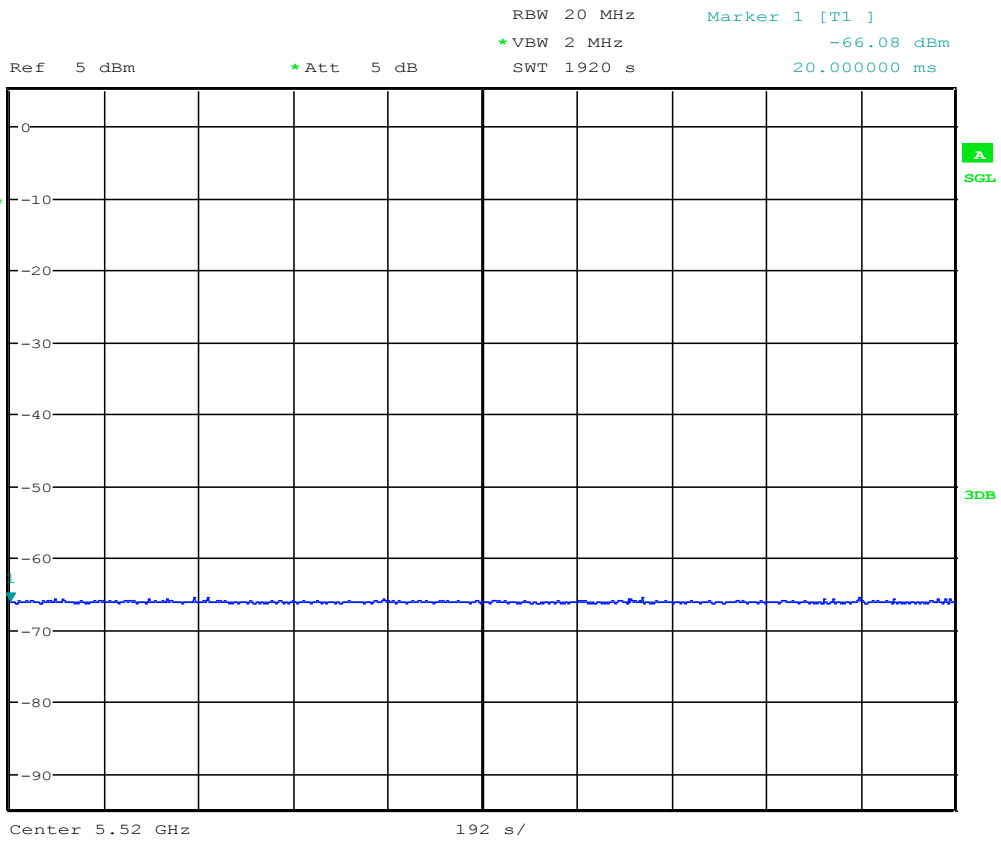
RBW 500 kHz    Marker 1 [T1 ]  
VBW 2 MHz    -80.77 dBm  
SWT 10 s    105.000000 ms

Ref -14 dBm    \*Att 5 dB



Date: 8.APR.2014 14:35:37

## FCC Type 1 Reaction Traffic 5520MHz



low

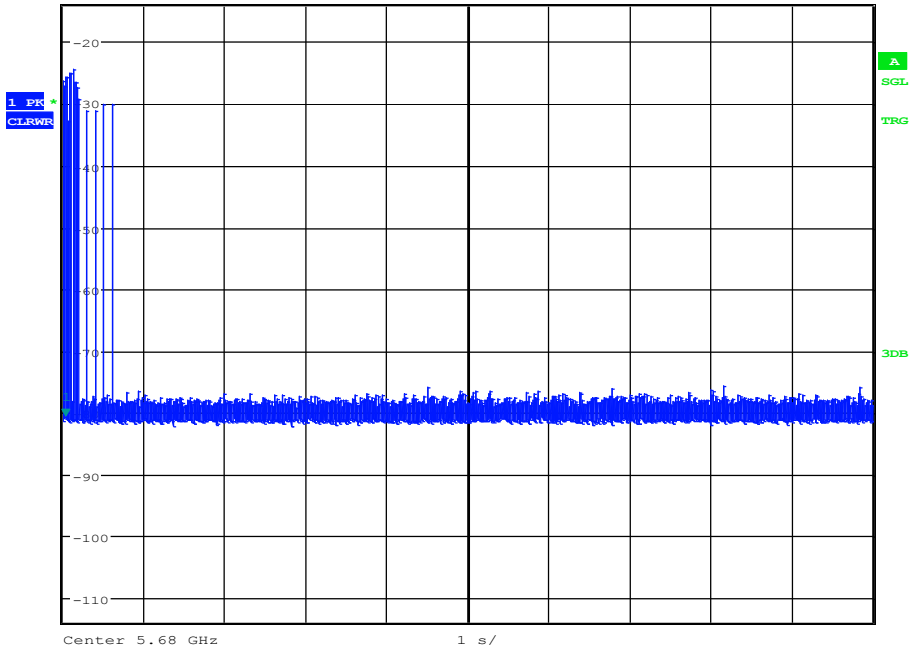
Date: 11.JUN.2014 16:19:05

# FCC Type 1 Non-Occupancy period 5520MHz



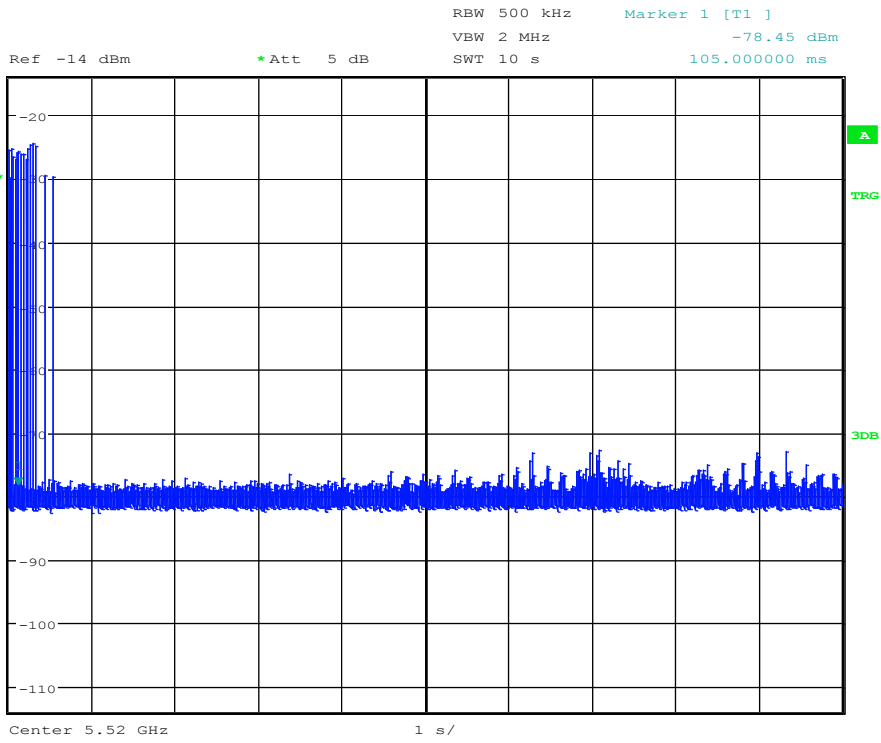


Ref -14 dBm      \*Att 5 dB      RBW 500 kHz      Marker 1 [T1 ]  
VBW 2 MHz      -80.67 dBm  
SWT 10 s      24.278000 ms



Date: 8.APR.2014 12:37:35

# FCC Type 1 Reaction Traffic 5680MHz

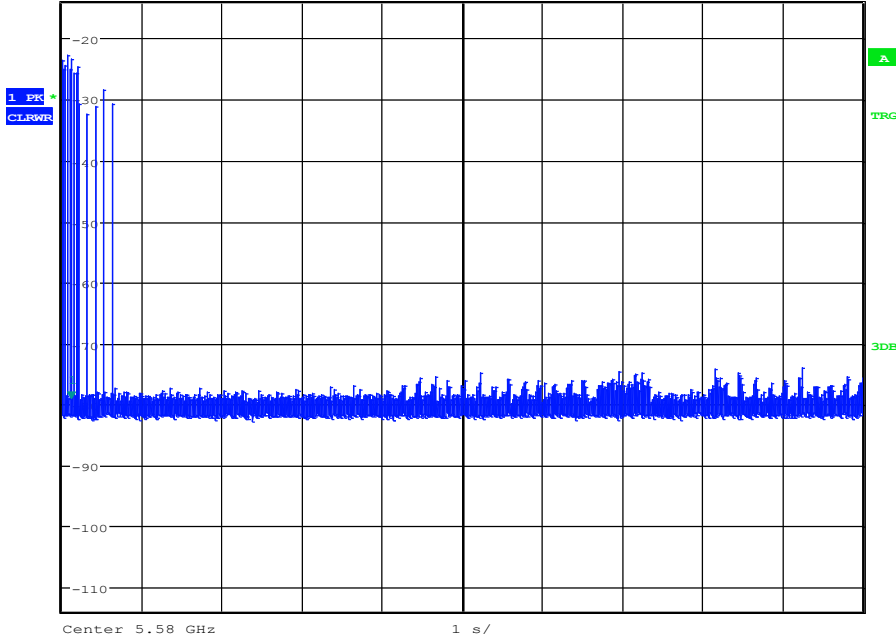


Date: 8.APR.2014 15:10:11

# FCC Type 2 Reaction Traffic 5520MHz

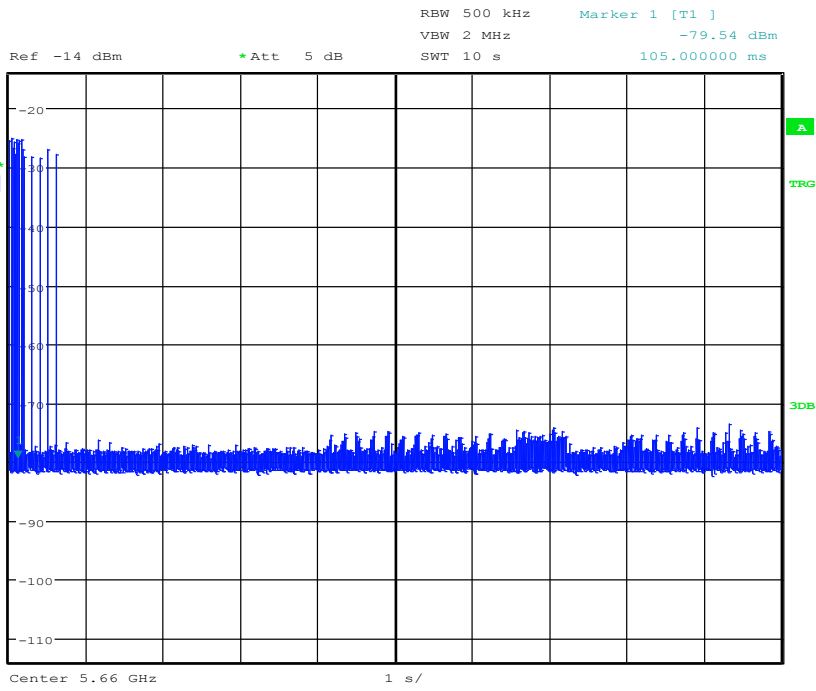


Ref -14 dBm      \*Att 5 dB      REW 500 kHz      Marker 1 [T1]      -79.23 dBm  
VBW 2 MHz      SWT 10 s      105.000000 ms



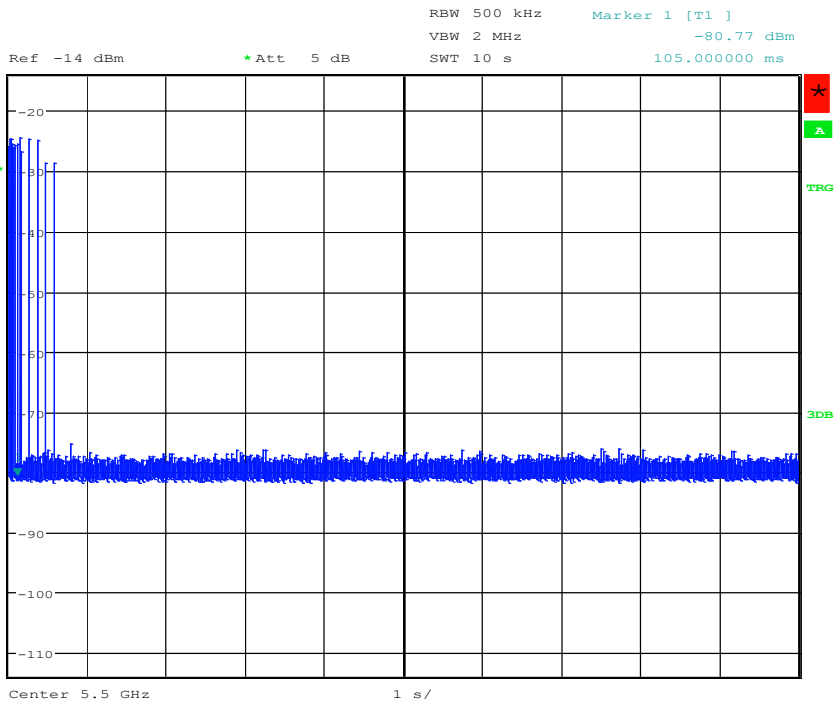
Date: 8.APR.2014 15:07:38

# FCC Type 2 Reaction Traffic 5580MHz



Date: 8.APR.2014 15:03:54

# FCC Type 2 Reaction Traffic 5660MHz



Date: 8.APR.2014 14:58:59

# FCC Type 3 Reaction Traffic 5500MHz