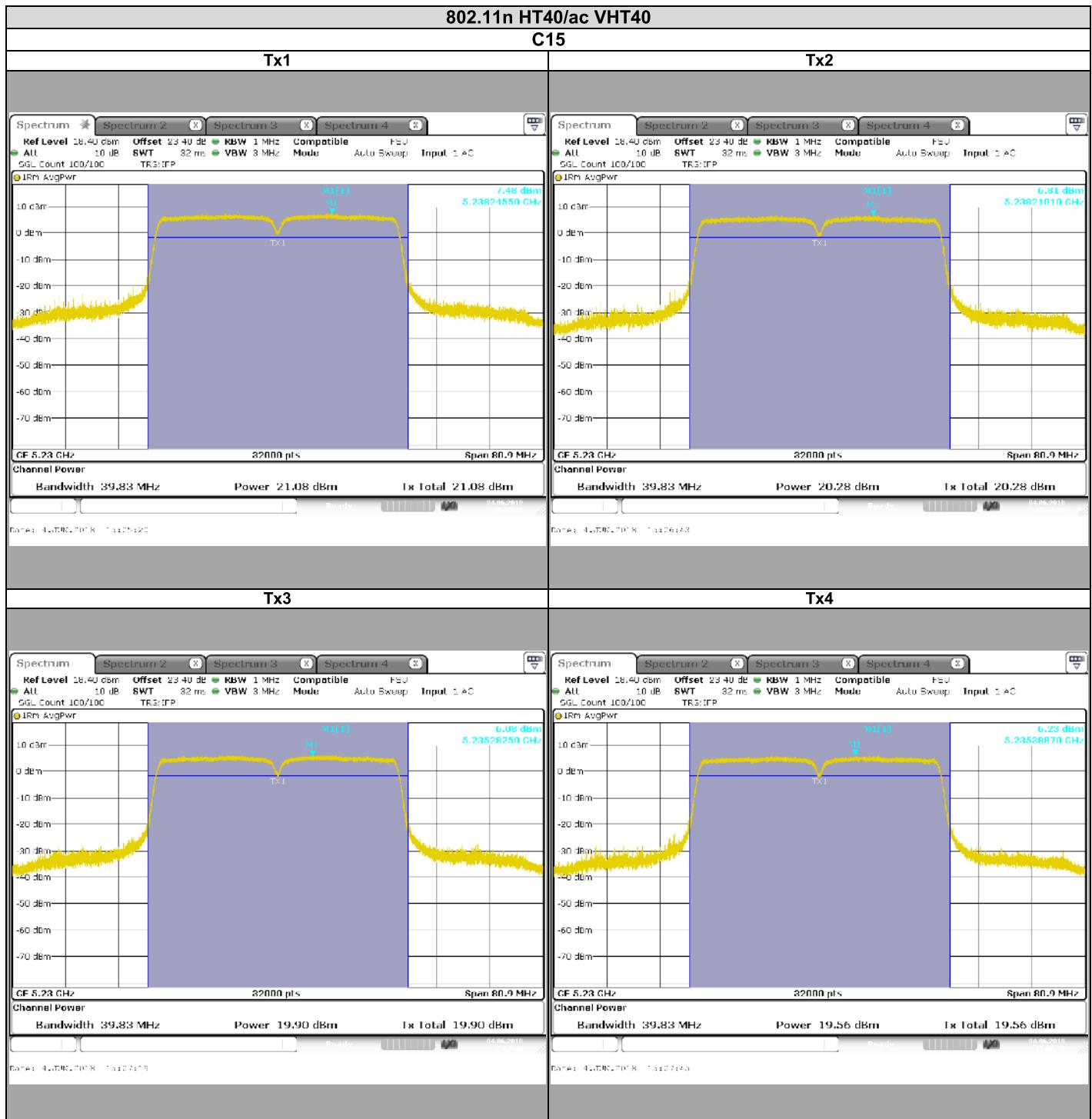




L C I E

## 802.11n HT40/ac VHT40

C15



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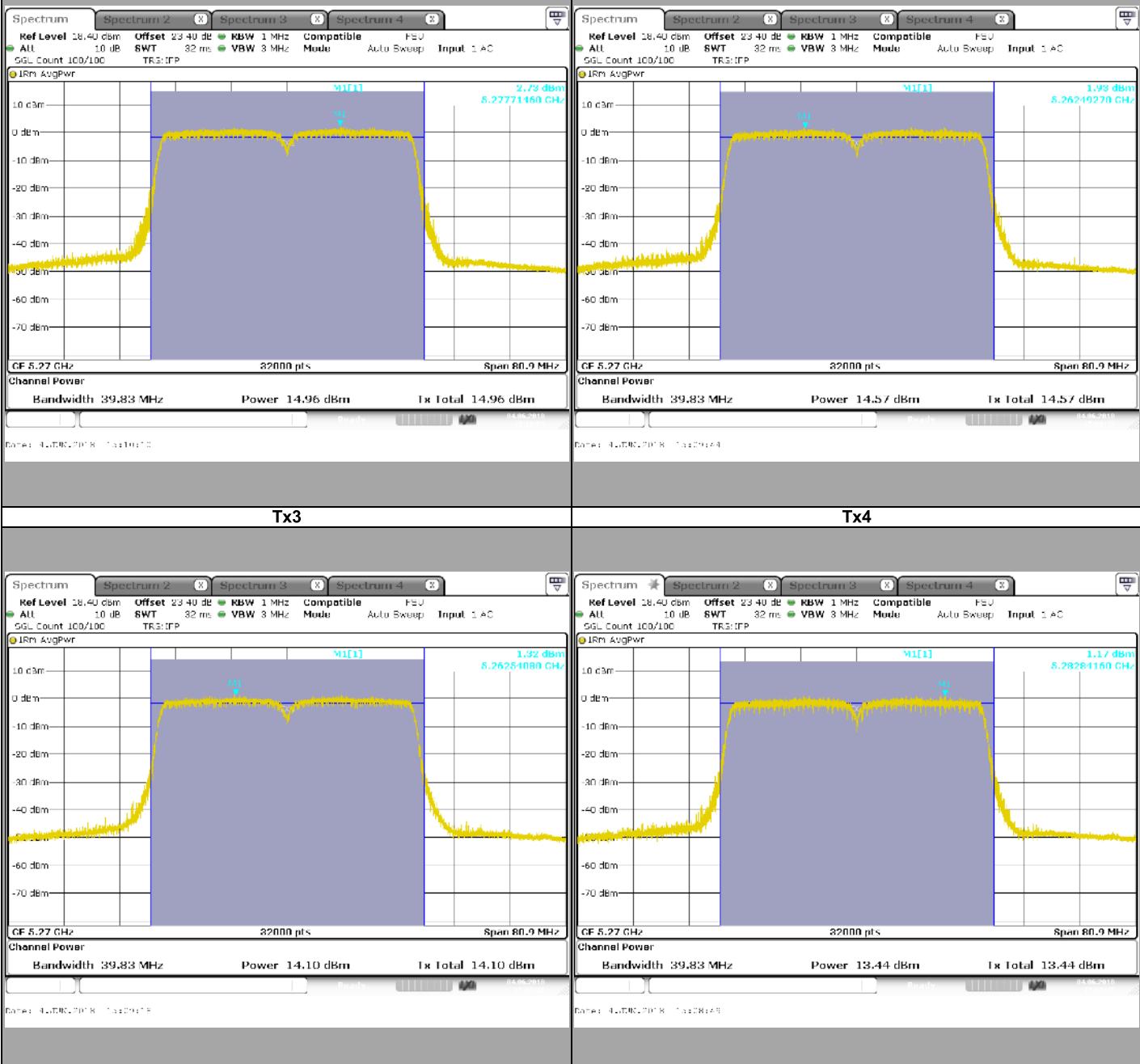
L C I E

## 802.11n HT40/ac VHT40

C16

Tx1

Tx2



## TEST REPORT

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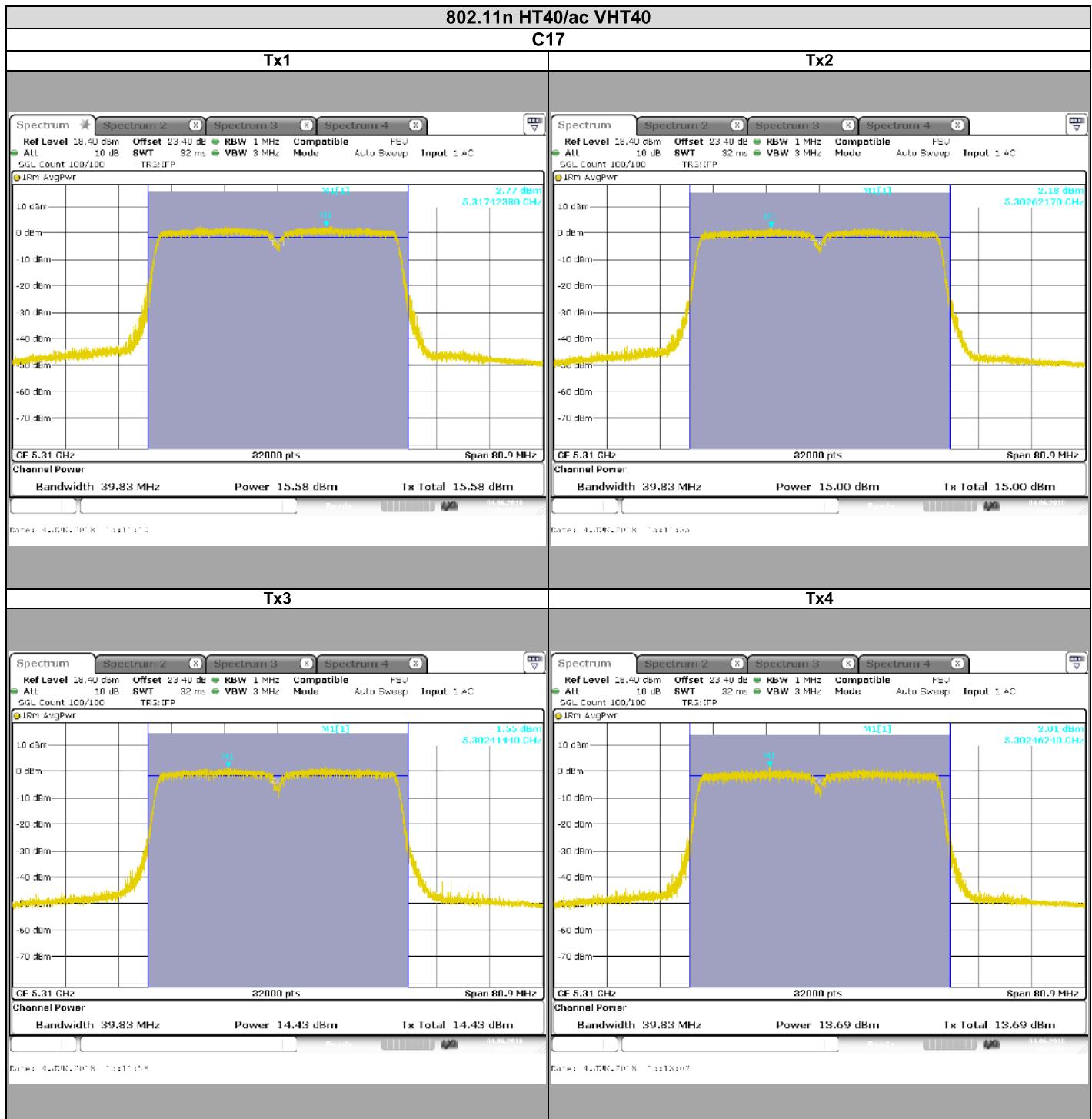
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L C I E

## 802.11n HT40/ac VHT40

C17



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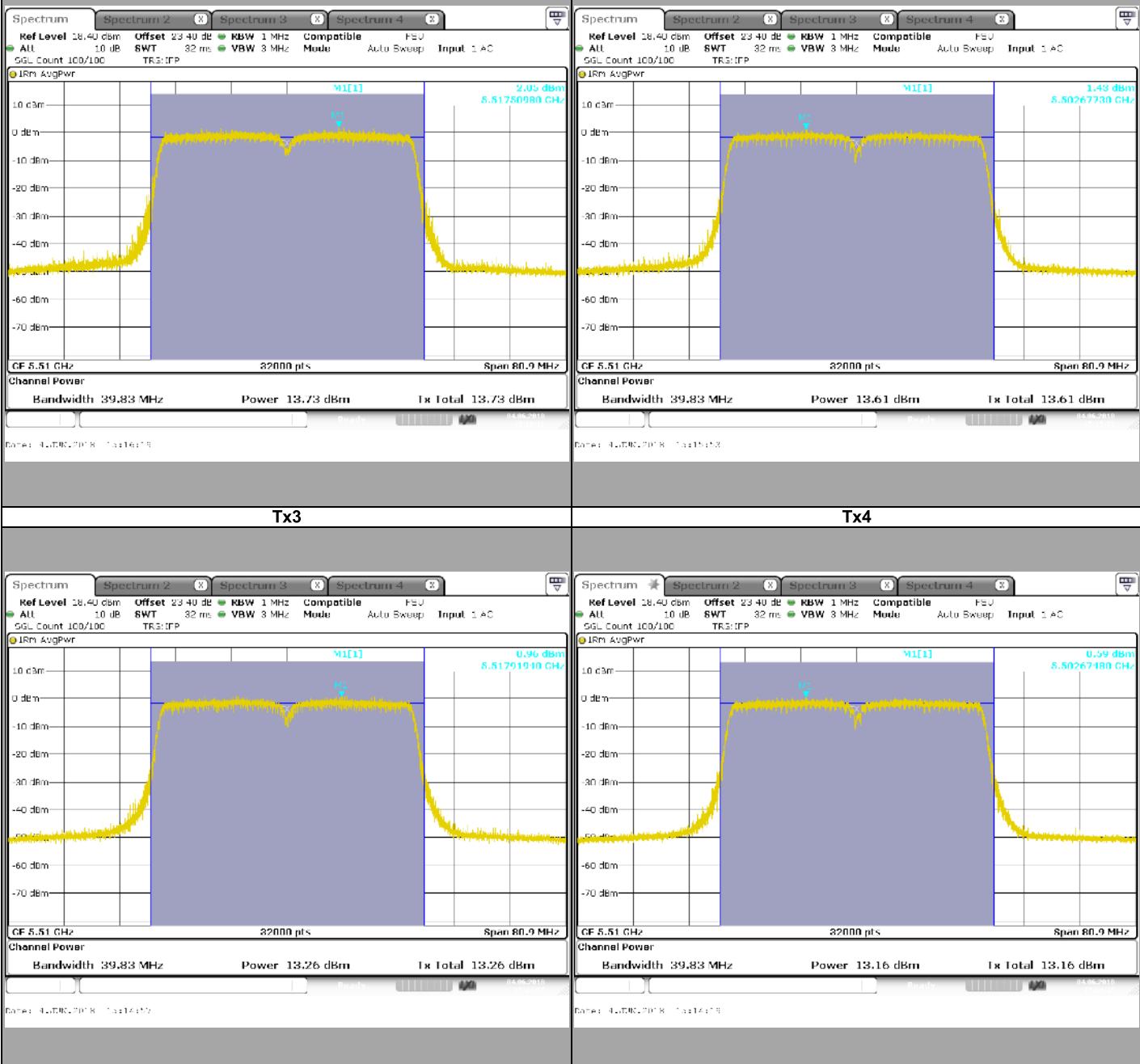
L C I E

## 802.11n HT40/ac VHT40

C18

Tx1

Tx2



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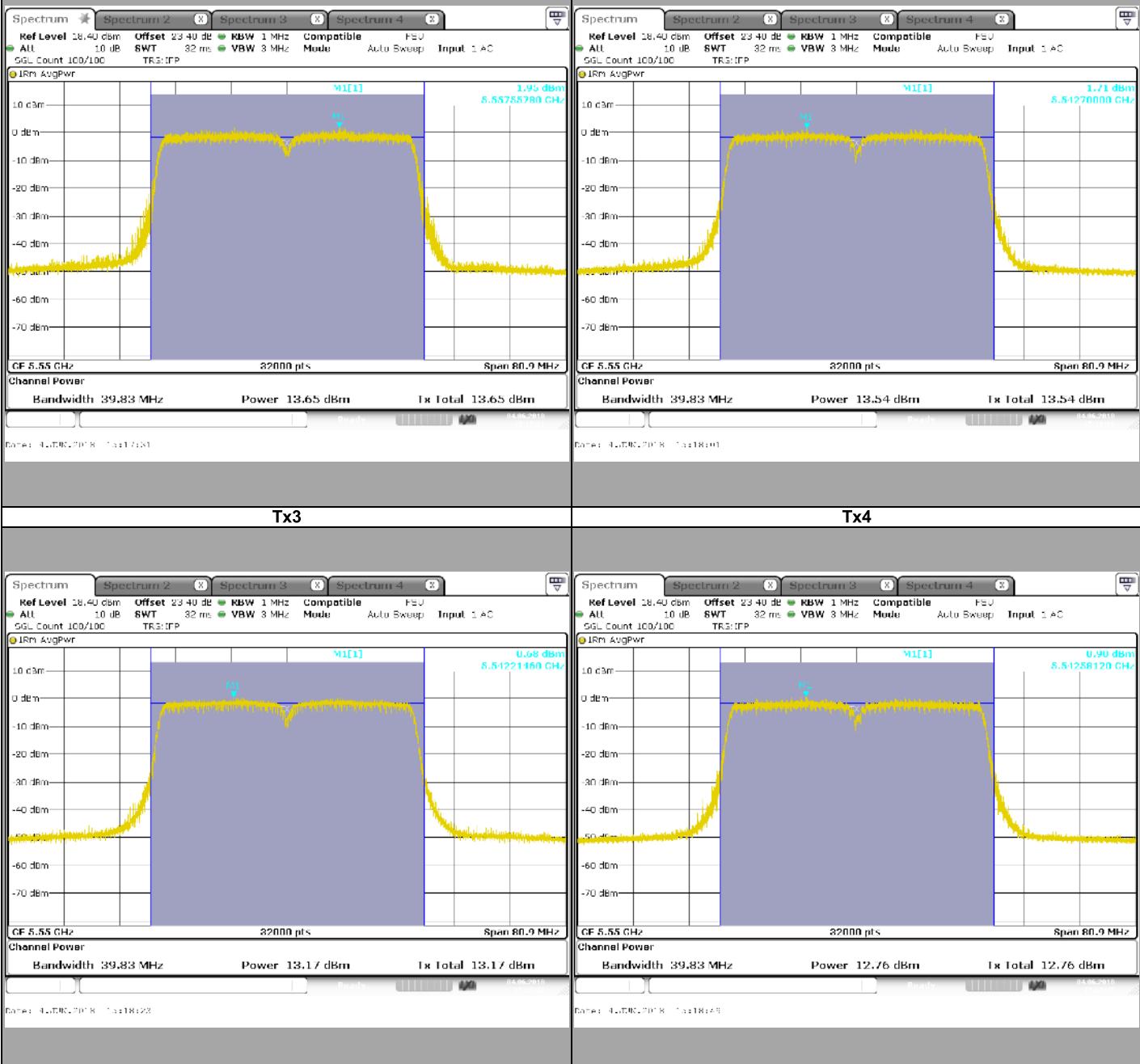
L C I E

## 802.11n HT40/ac VHT40

C19

Tx1

Tx2



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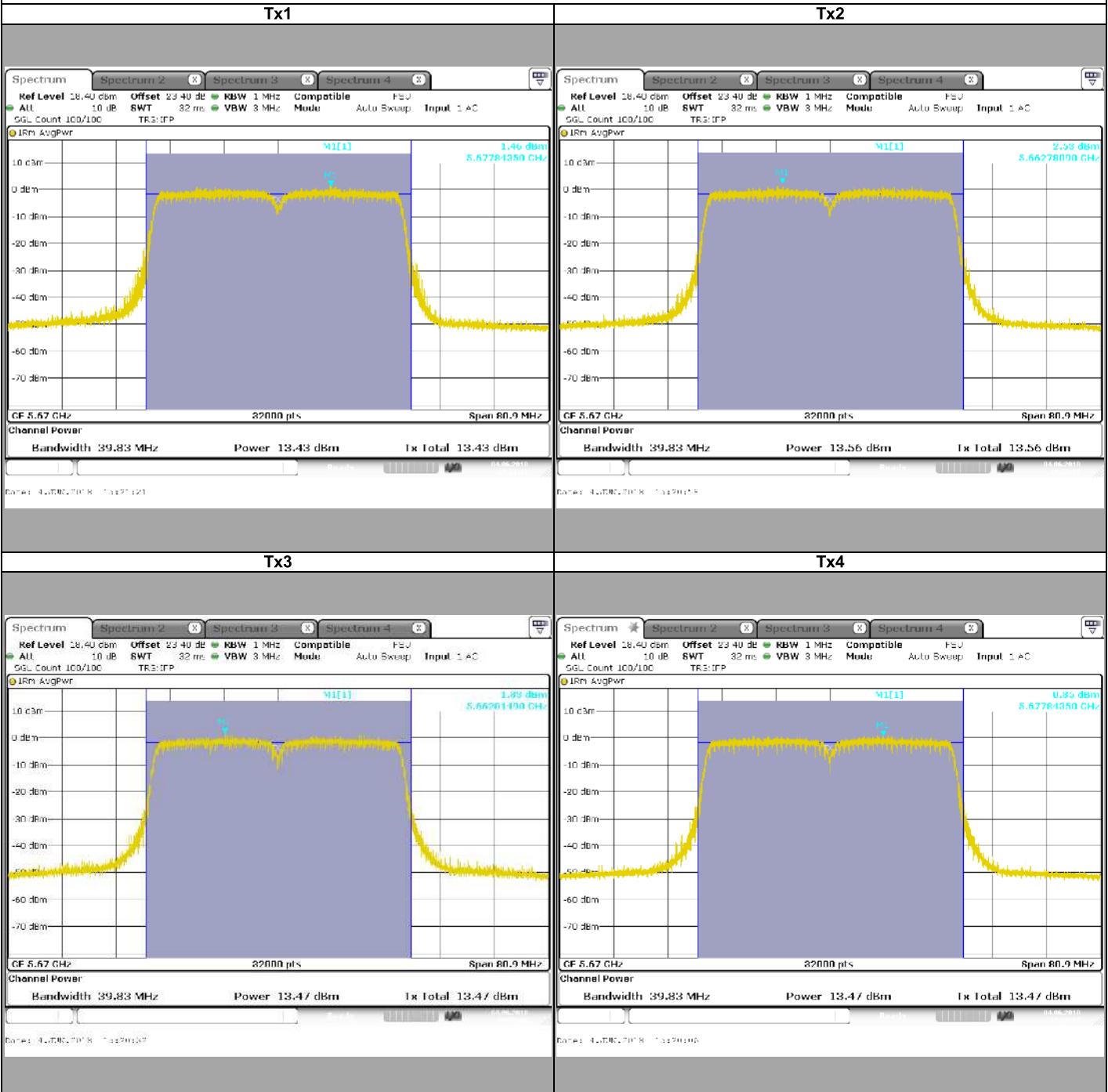


L C I E

## 802.11n HT40/ac VHT40

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C20



## TEST REPORT

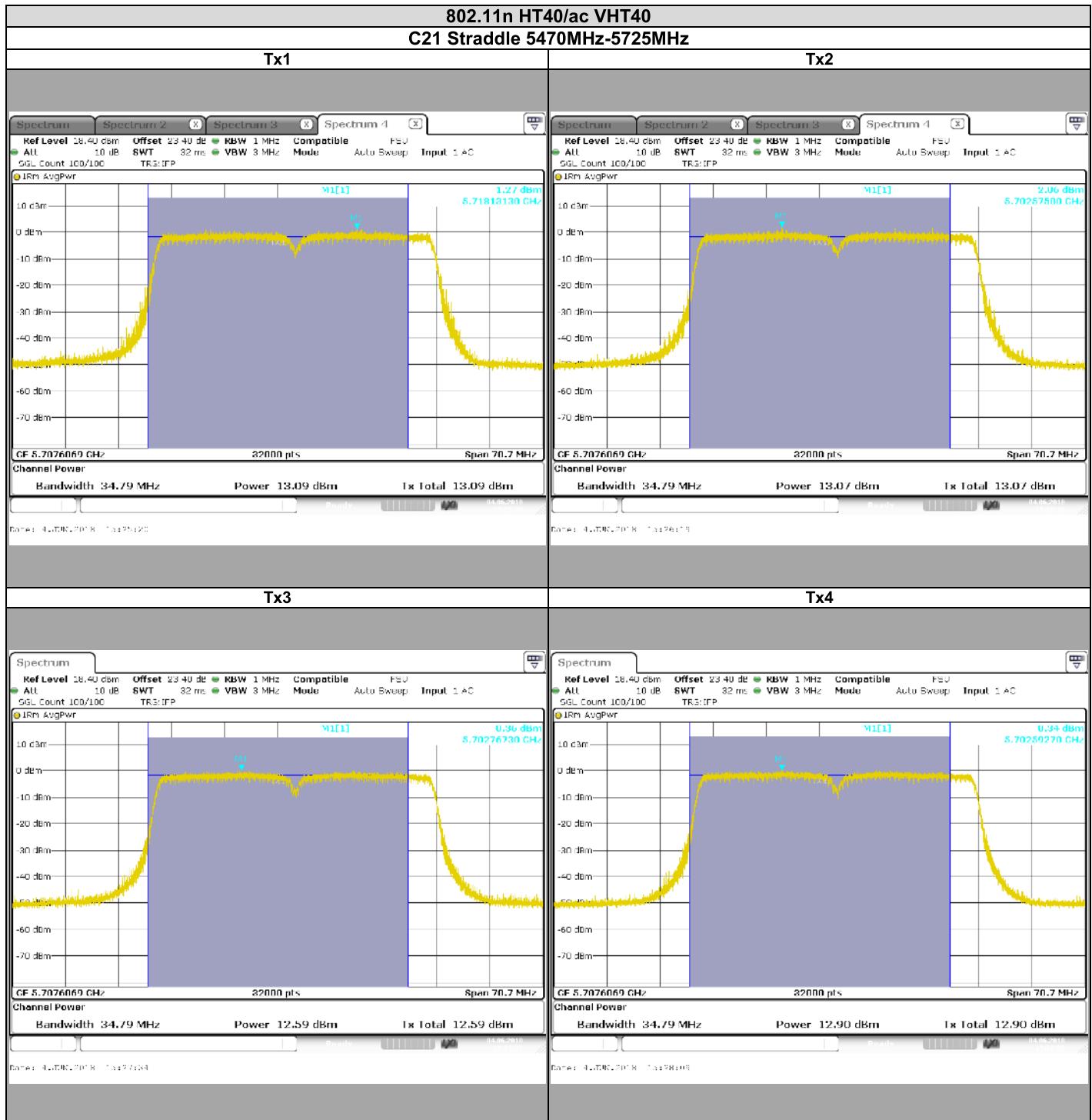
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L C I E



**TEST REPORT**

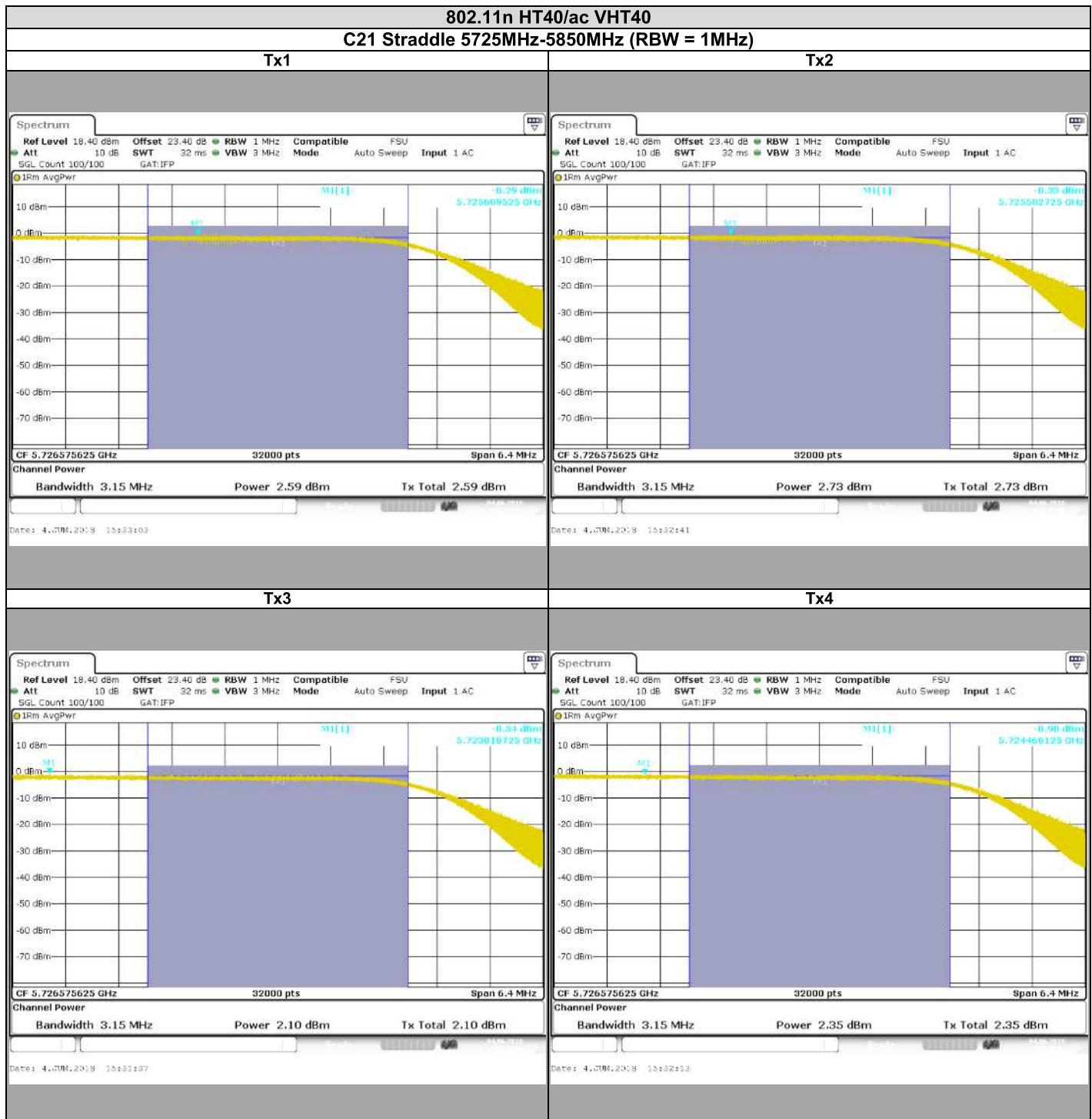
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L C I E



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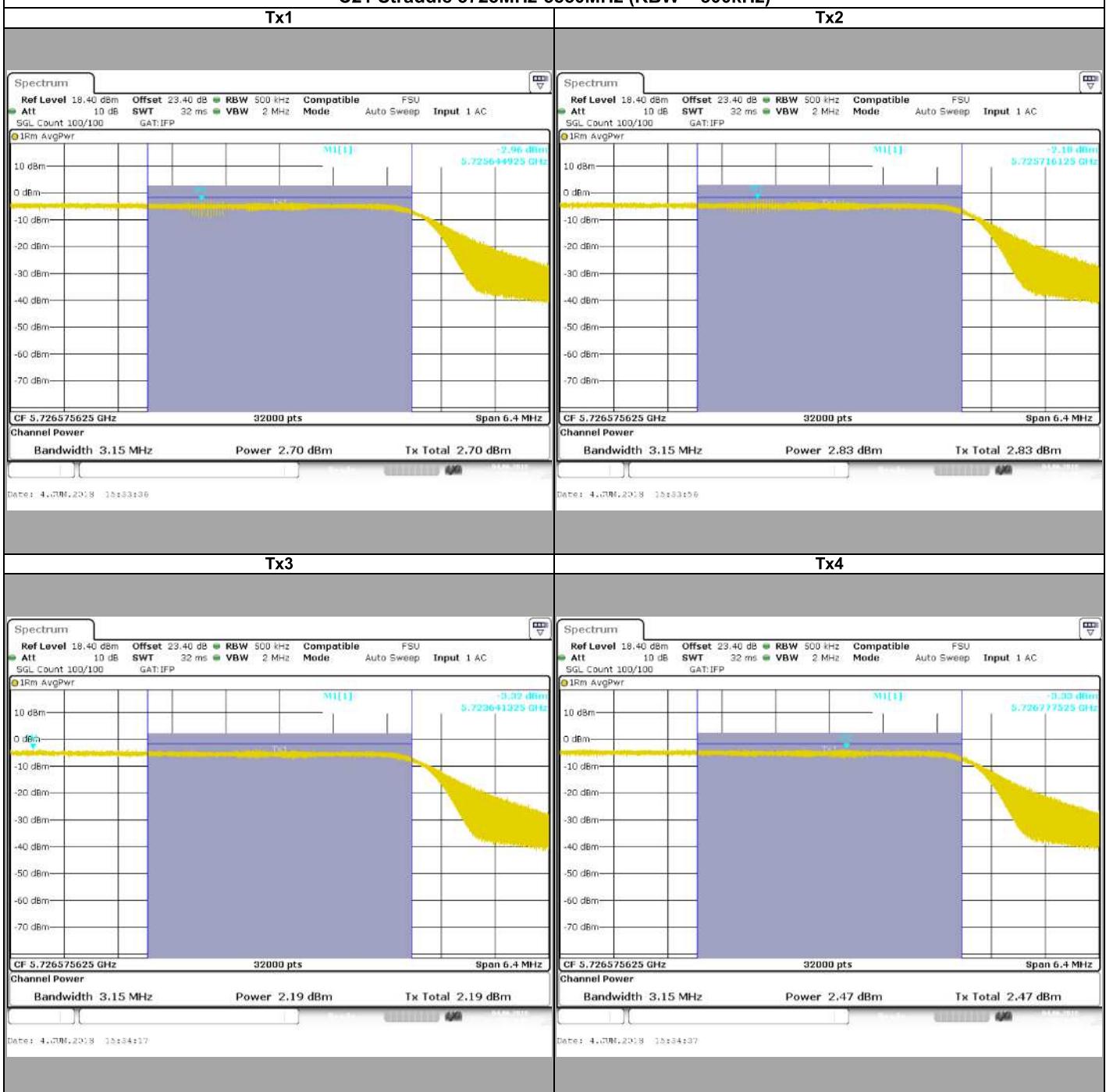
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L C I E

## 802.11n HT40/ac VHT40

**C21 Straddle 5725MHz-5850MHz (RBW = 500kHz)**



## TEST REPORT

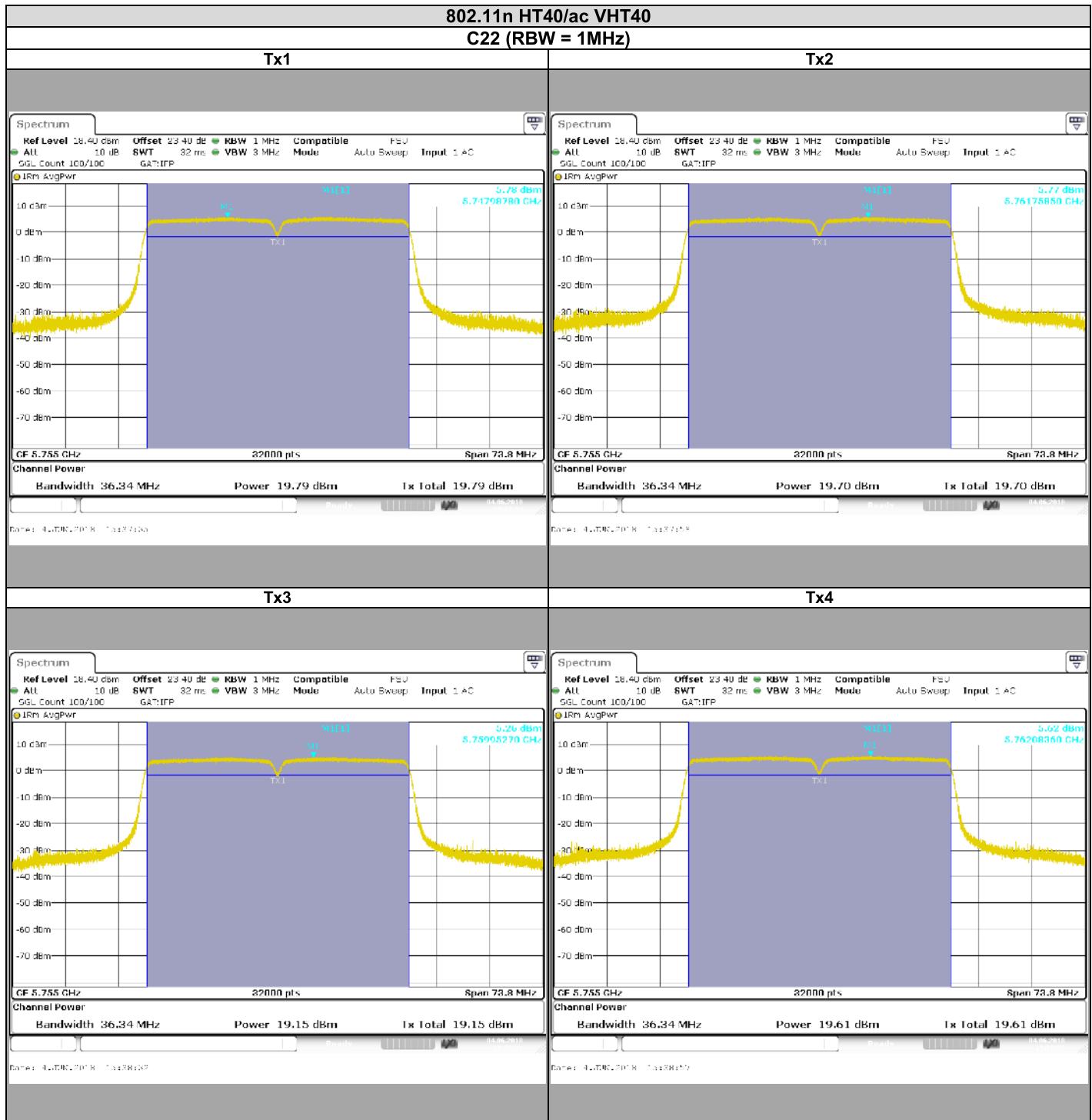
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L C I E



**TEST REPORT**

N° 155636-721608-D

Version : 01

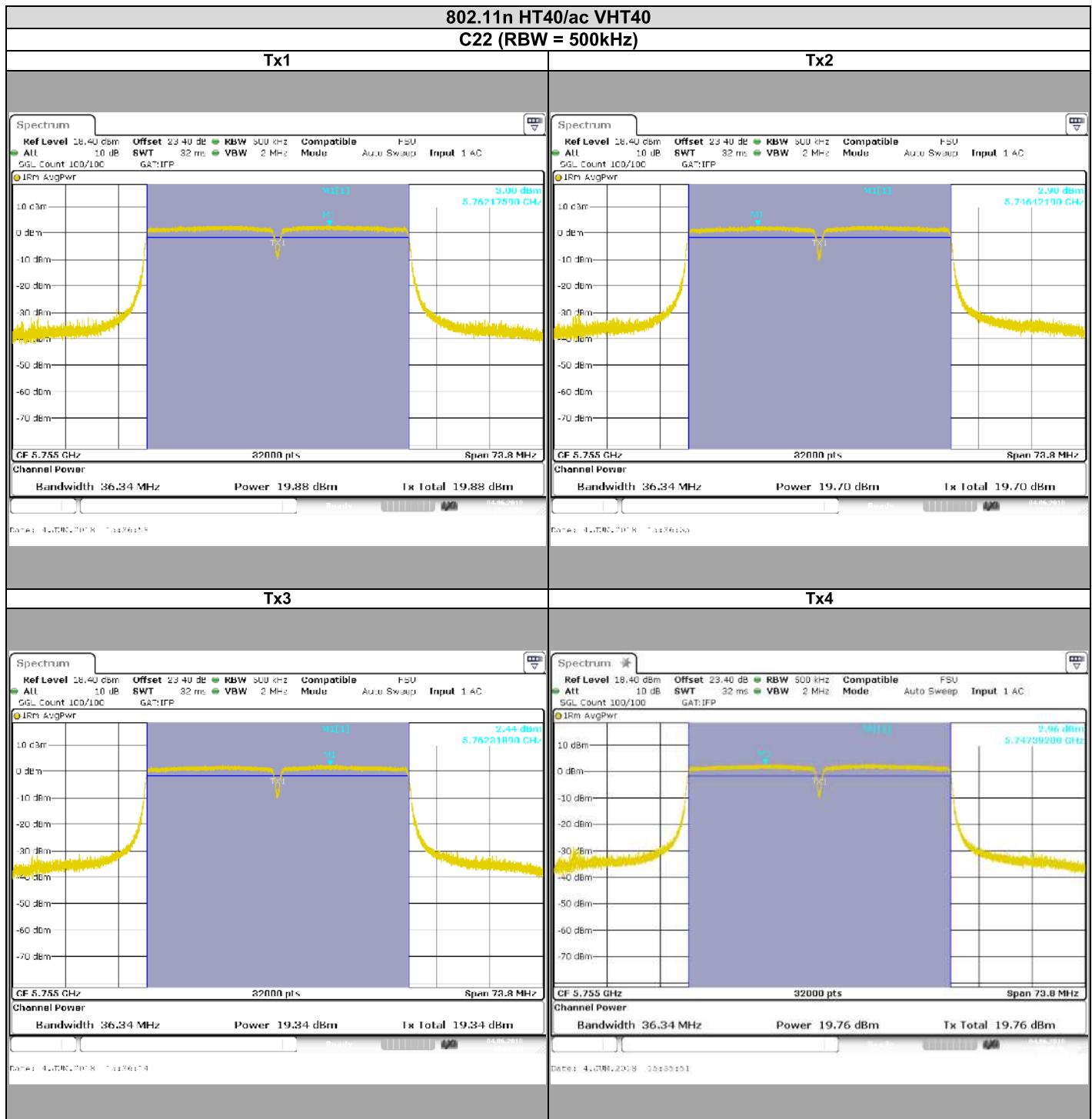
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L C I E

### 802.11n HT40/ac VHT40

C22 (RBW = 500kHz)



### TEST REPORT

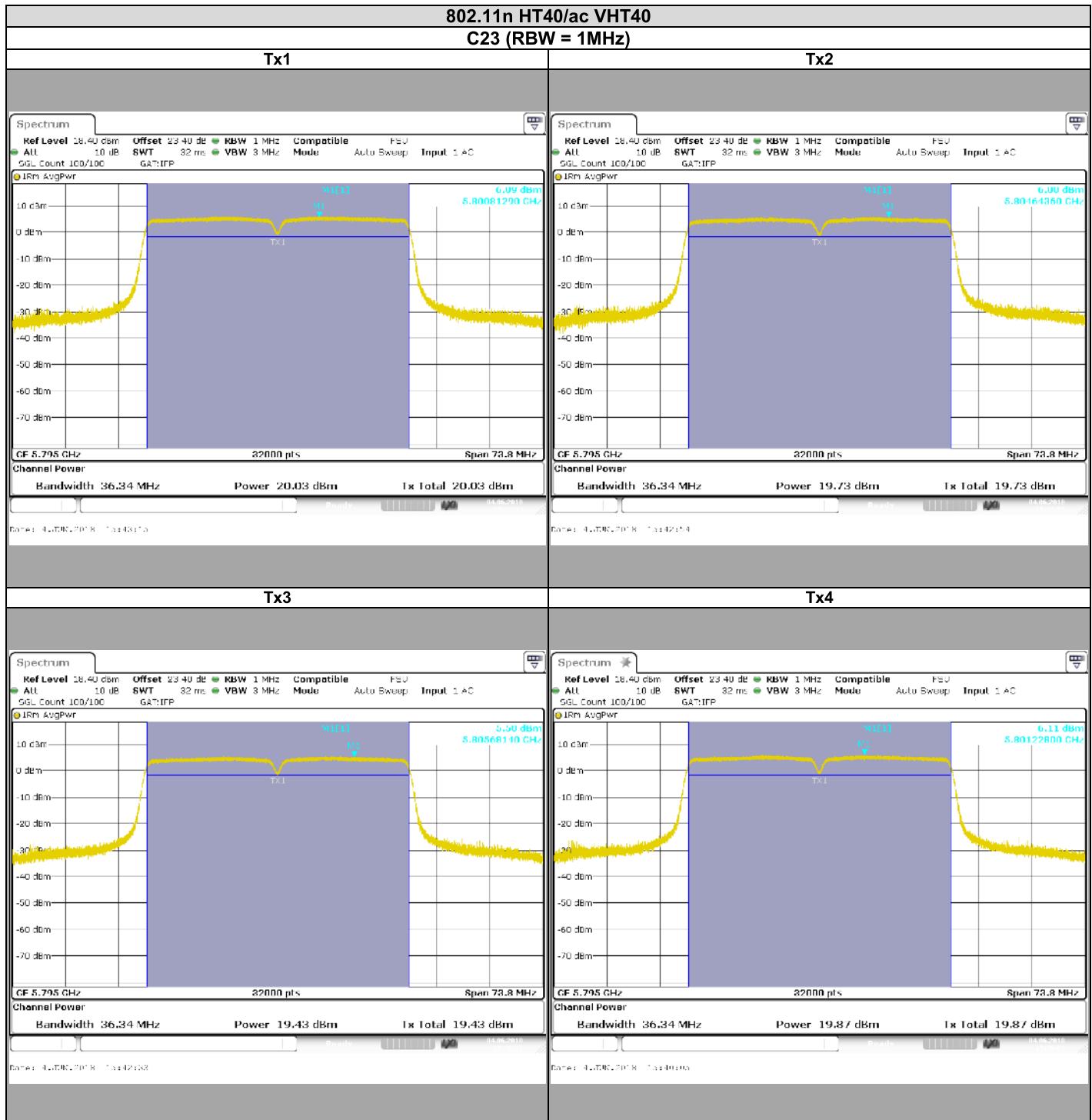
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L C I E



**TEST REPORT**

N° 155636-721608-D

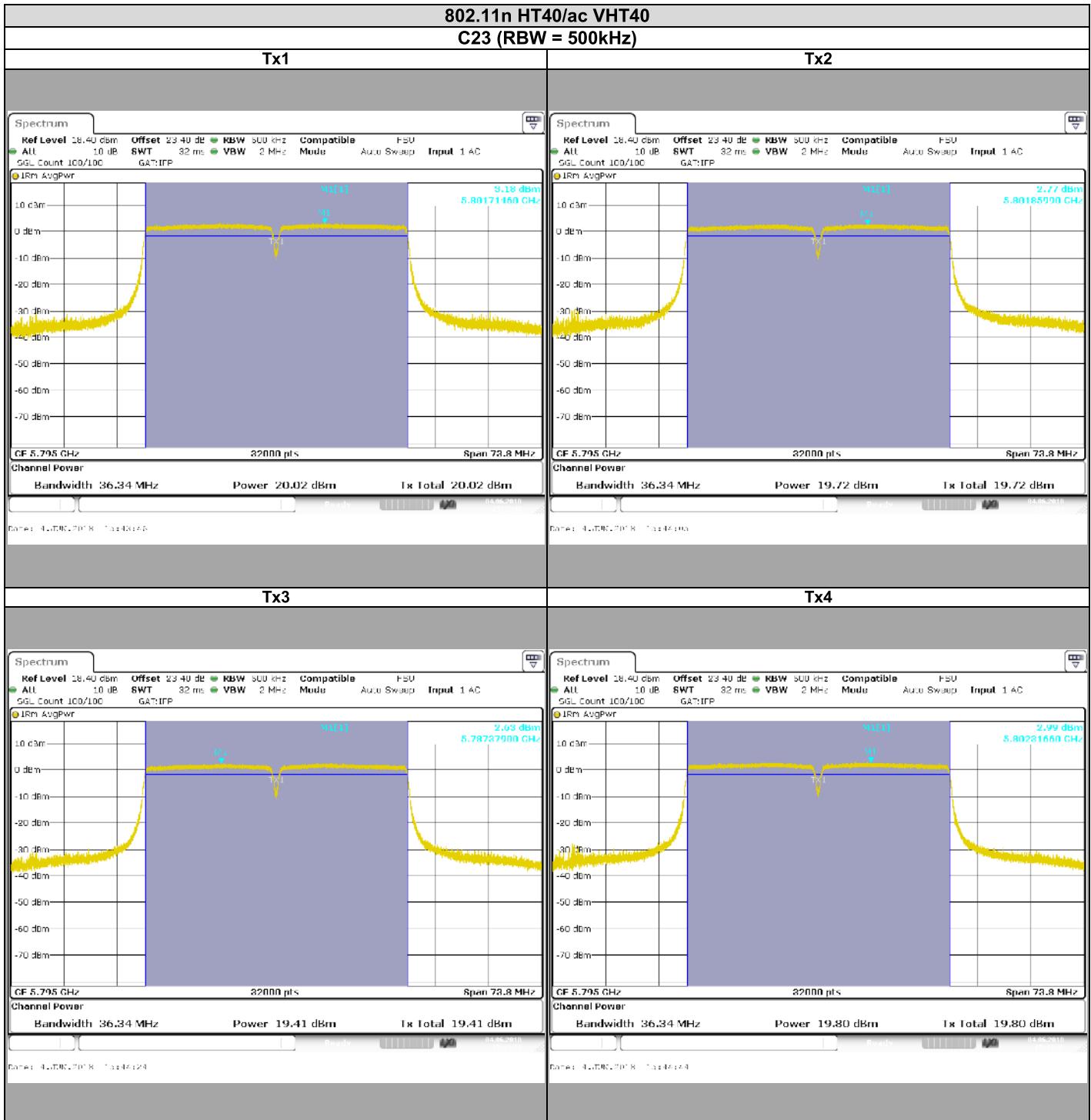
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L C I E

802.11n HT40/ac VHT40  
C23 (RBW = 500kHz)



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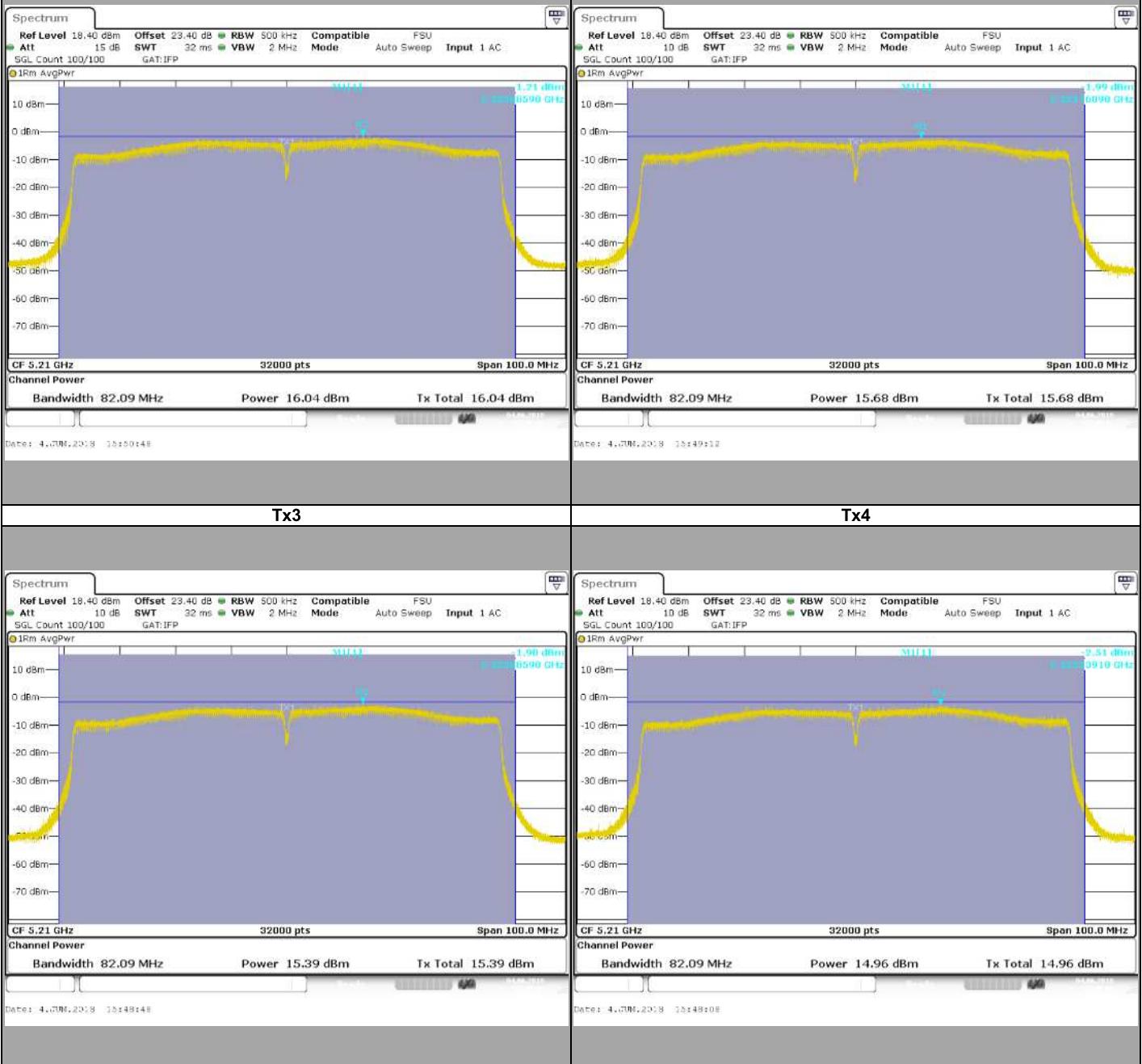
L C I E

## 802.11ac VHT80

C24

Tx1

Tx2



## TEST REPORT

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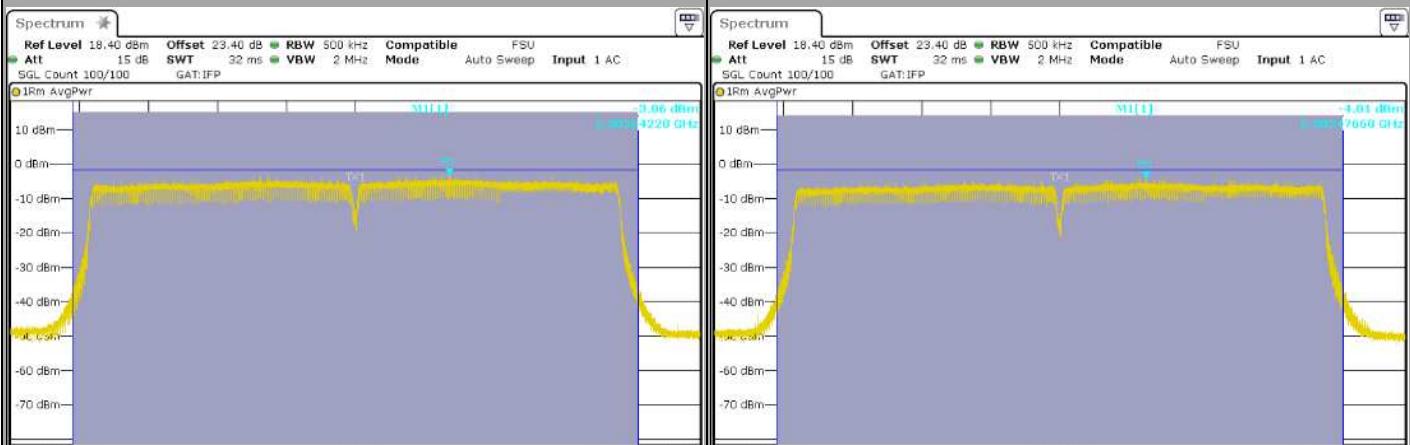
L C I E

## 802.11ac VHT80

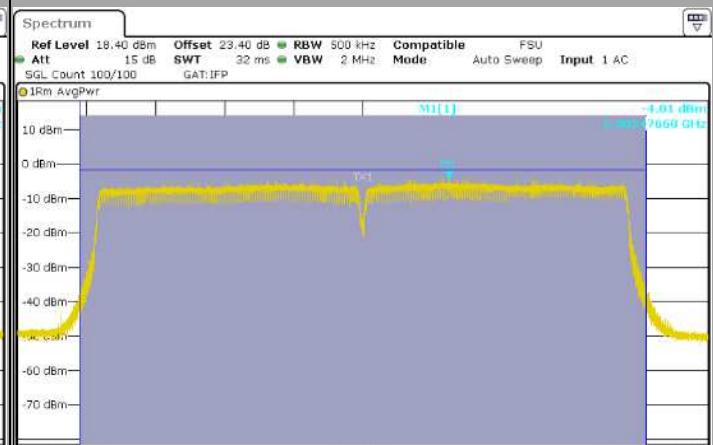
C25

Tx1

Tx2



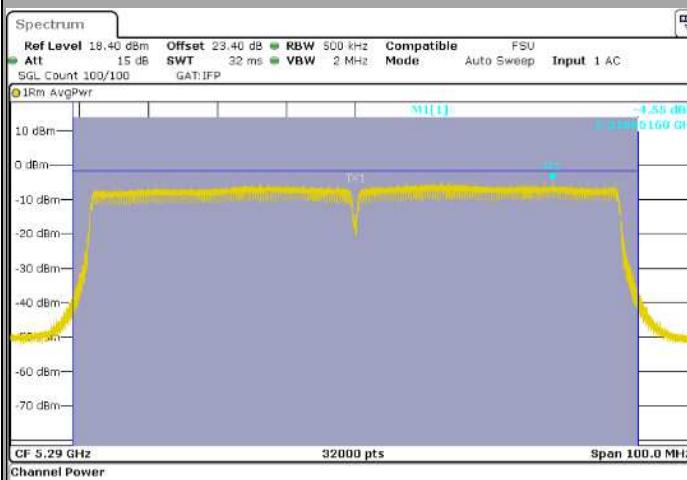
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Channel Power  
Bandwidth 82.09 MHz Power 15.00 dBm Tx Total 15.00 dBm



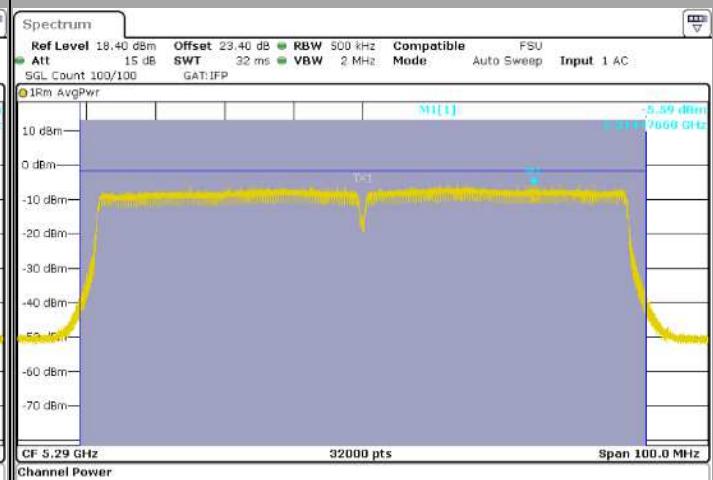
CF 5.29 GHz 32000 pts Span 100.0 MHz  
Channel Power  
Bandwidth 82.09 MHz Power 14.10 dBm Tx Total 14.10 dBm

Tx3

Tx4



CF 5.29 GHz 32000 pts Span 100.0 MHz  
Channel Power  
Bandwidth 82.09 MHz Power 13.89 dBm Tx Total 13.89 dBm



CF 5.29 GHz 32000 pts Span 100.0 MHz  
Channel Power  
Bandwidth 82.09 MHz Power 13.04 dBm Tx Total 13.04 dBm

## TEST REPORT

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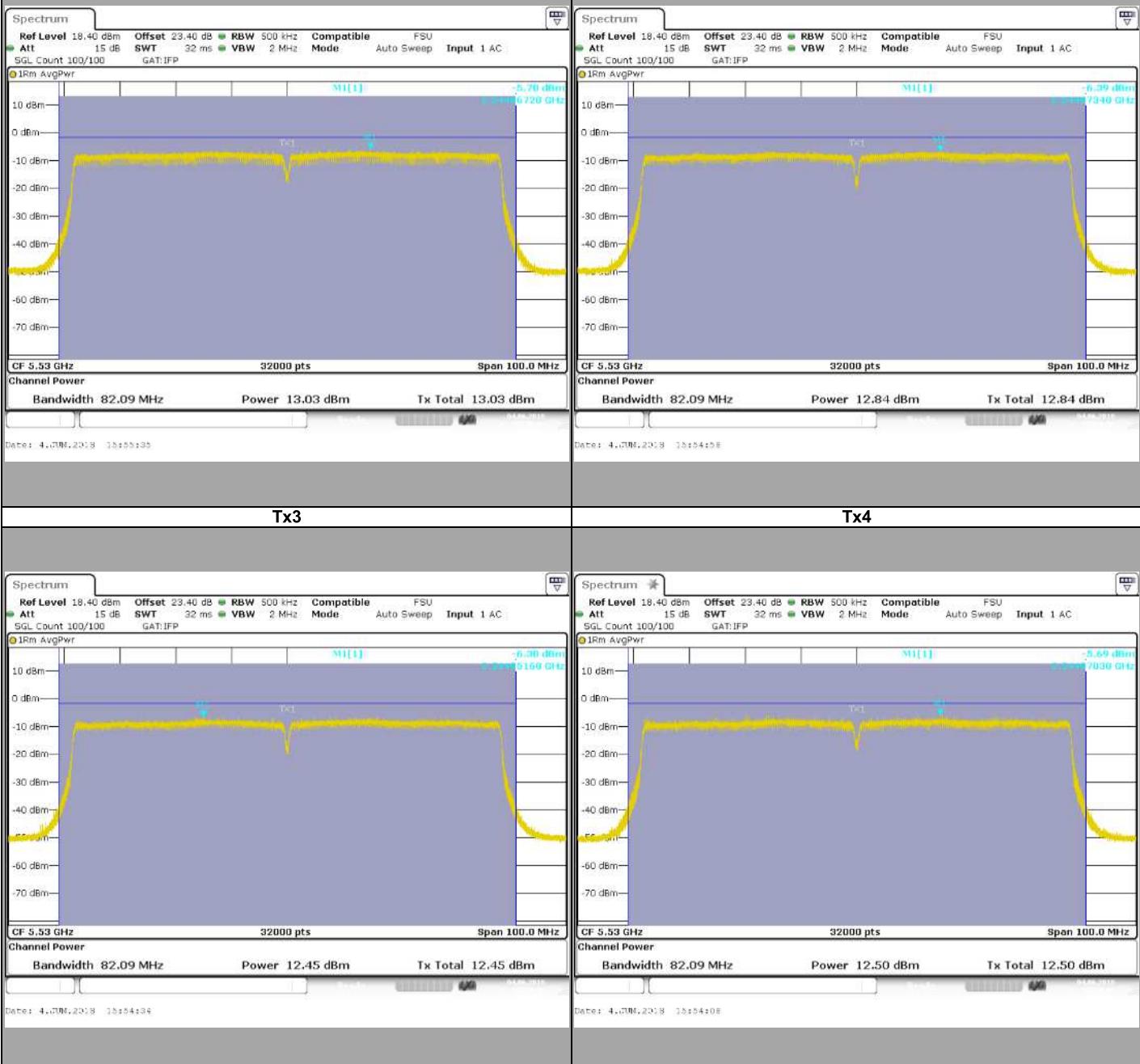
L C I E

## 802.11ac VHT80

C26

Tx1

Tx2



## TEST REPORT

N° 155636-721608-D

Version : 01

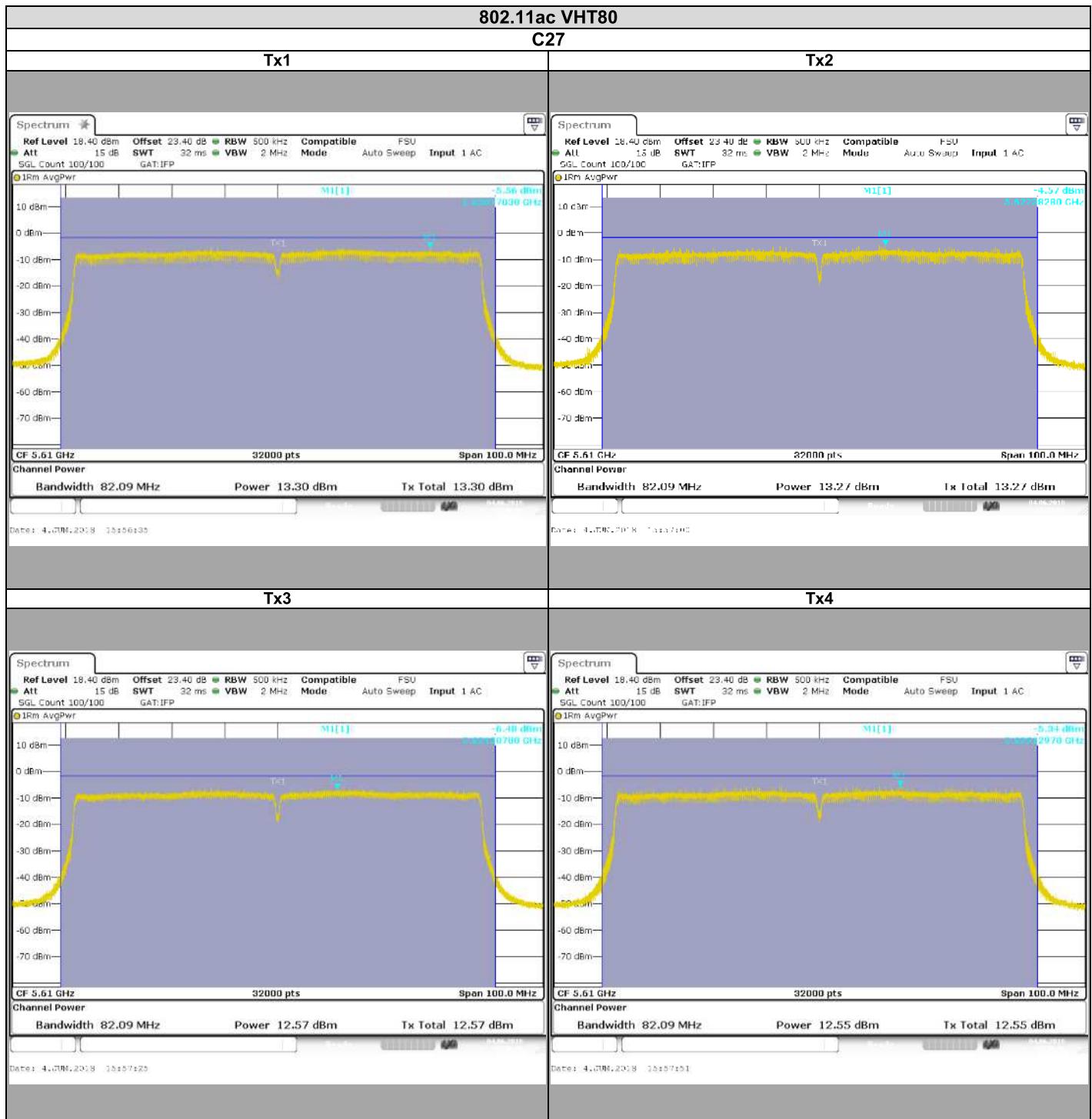
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L C I E

## 802.11ac VHT80

C27



## TEST REPORT

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Version : 01

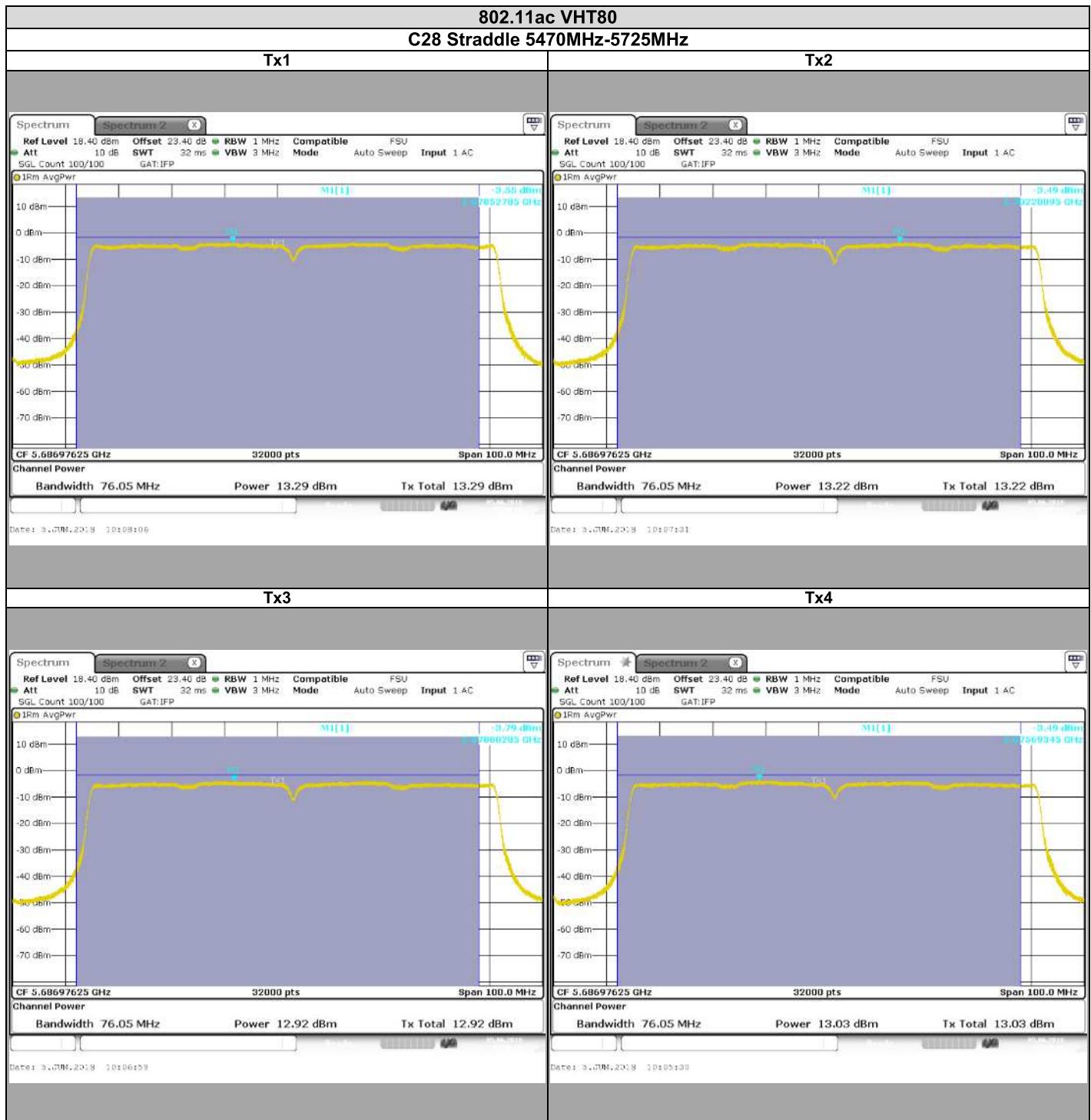
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L C I E

802.11ac VHT80

C28 Straddle 5470MHz-5725MHz



TEST REPORT

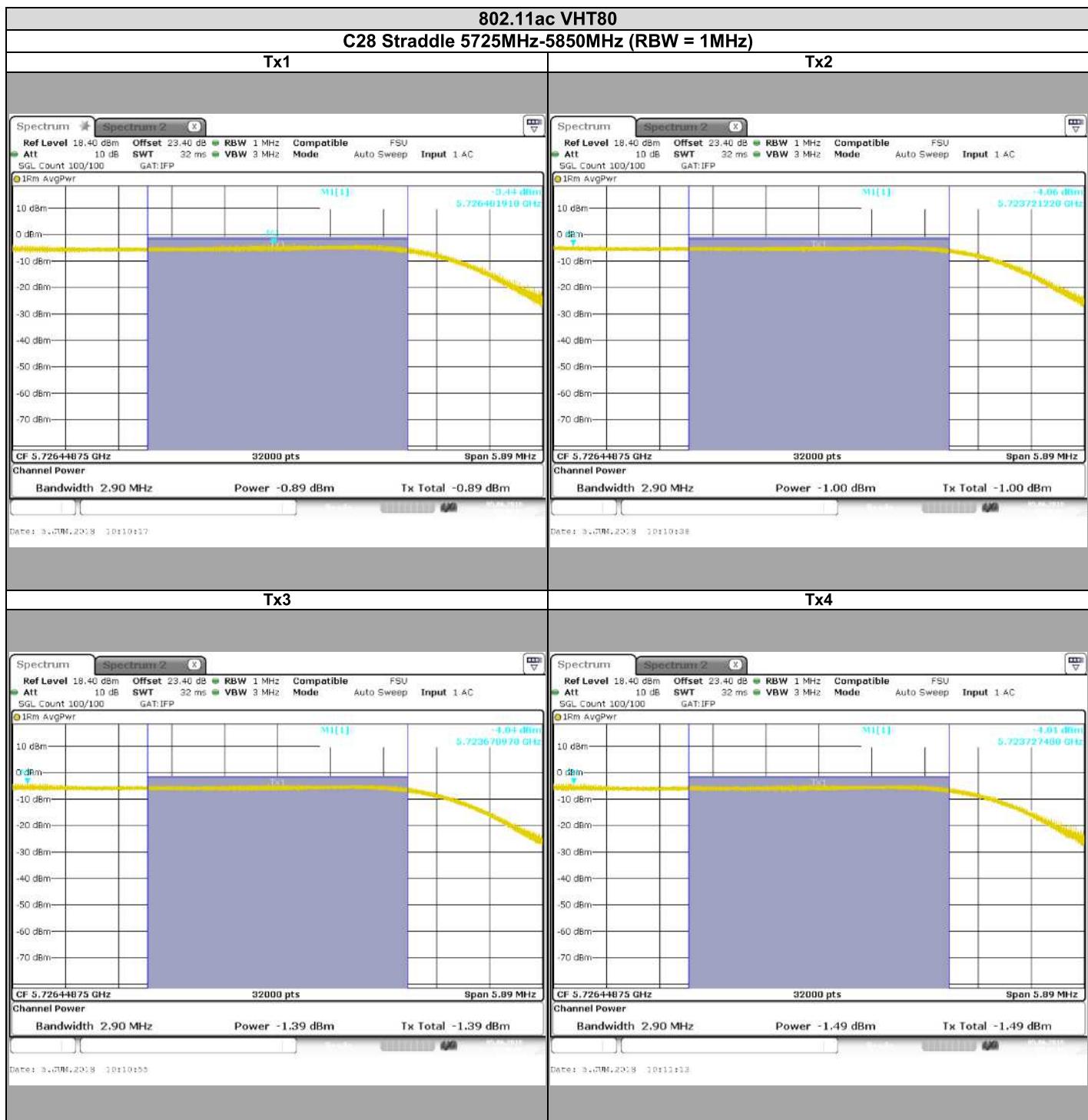
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L C I E



TEST REPORT

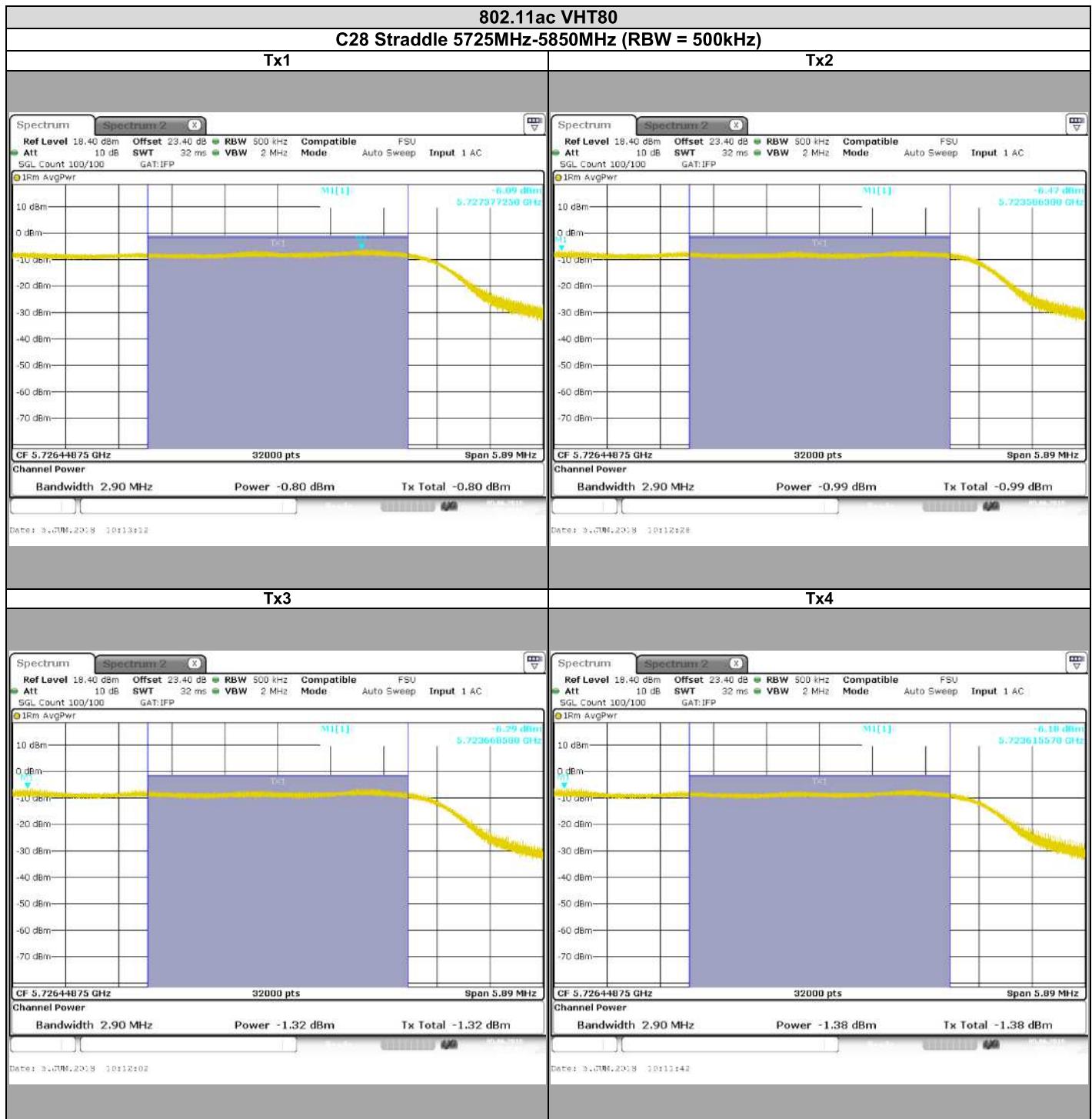
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L C I E



TEST REPORT

N° 155636-721608-D

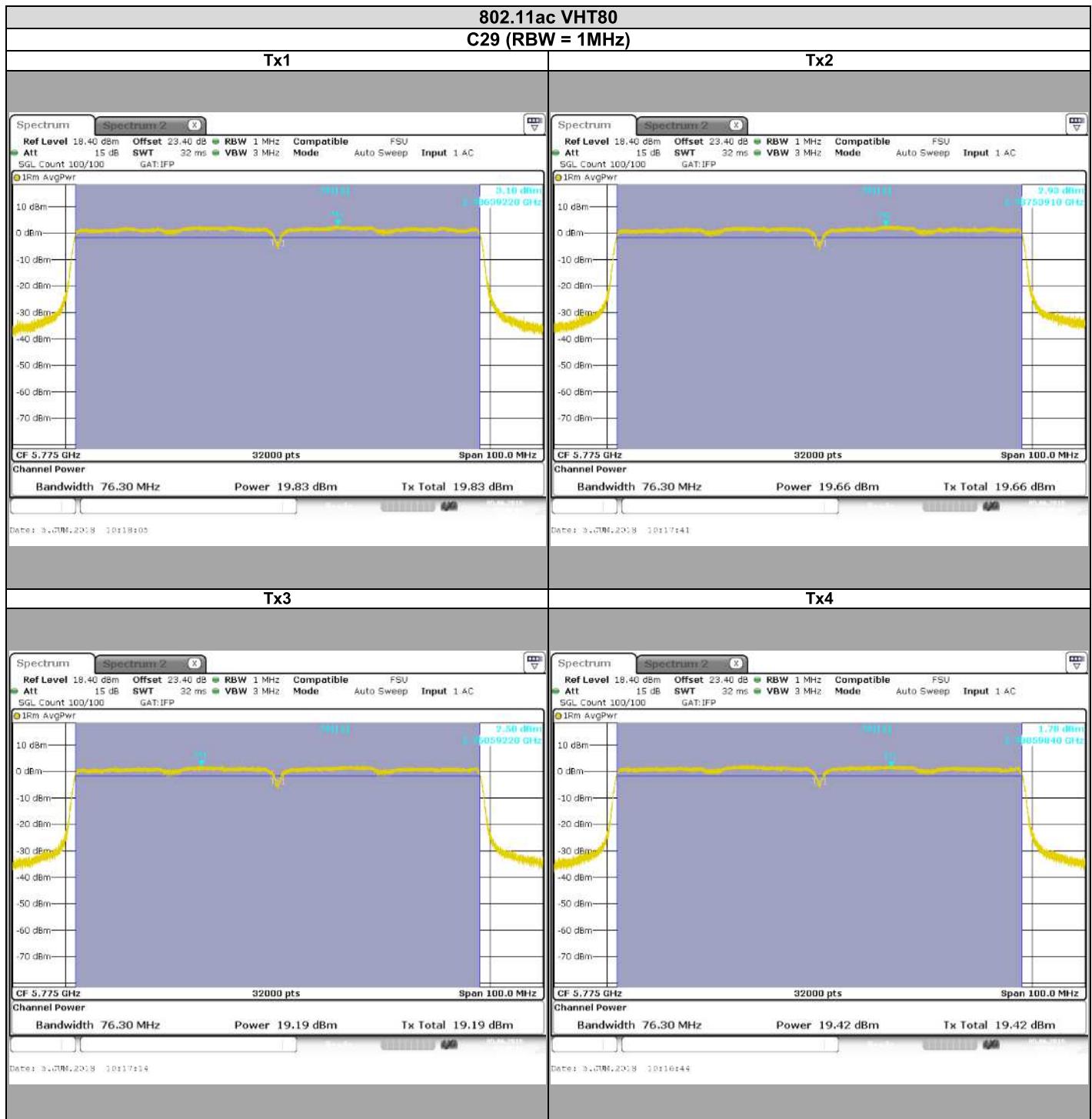
Version : 01

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L C I E

**802.11ac VHT80  
C29 (RBW = 1MHz)**



**TEST REPORT**

N° 155636-721608-D

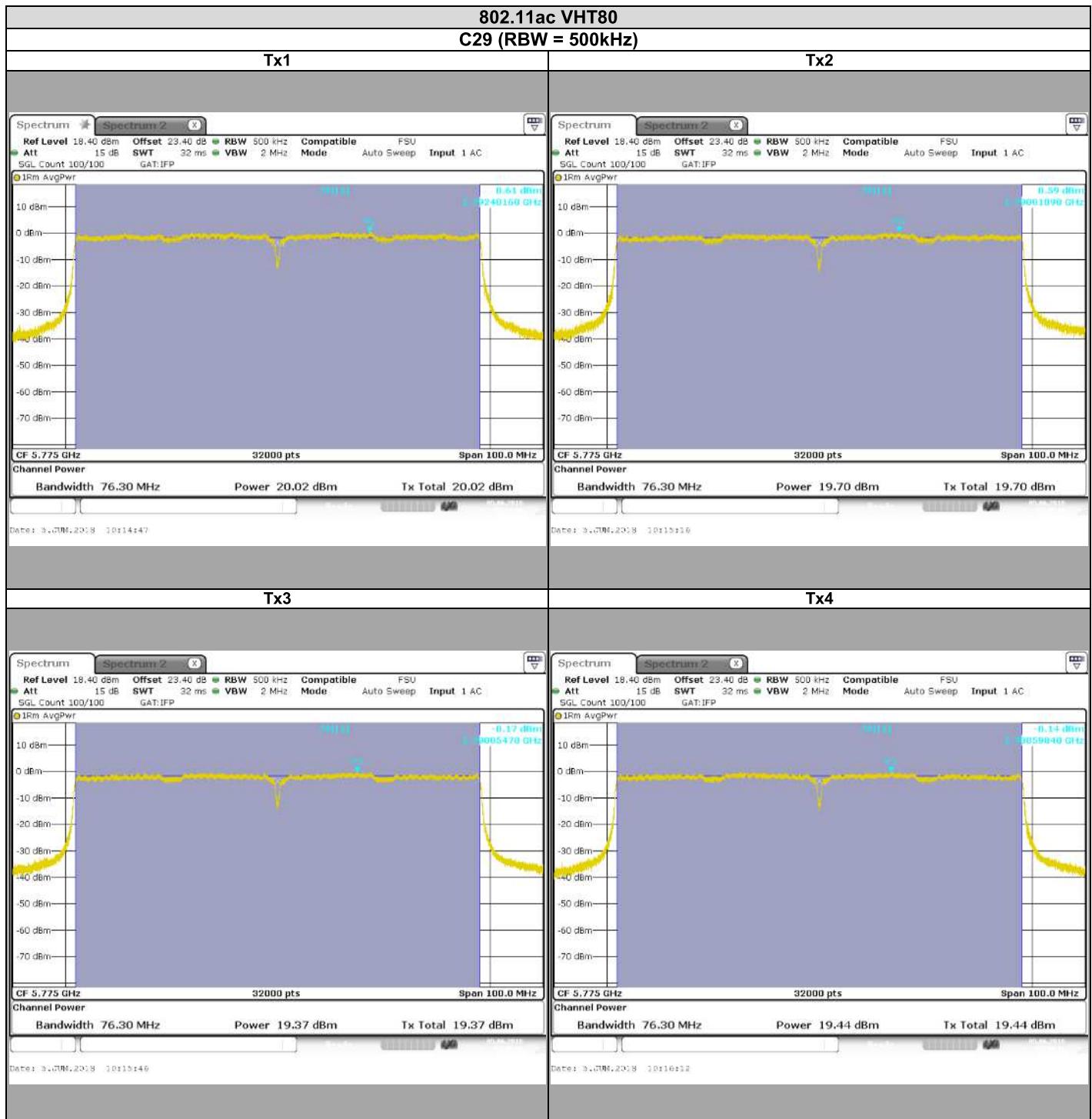
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L C I E

**802.11ac VHT80  
C29 (RBW = 500kHz)**



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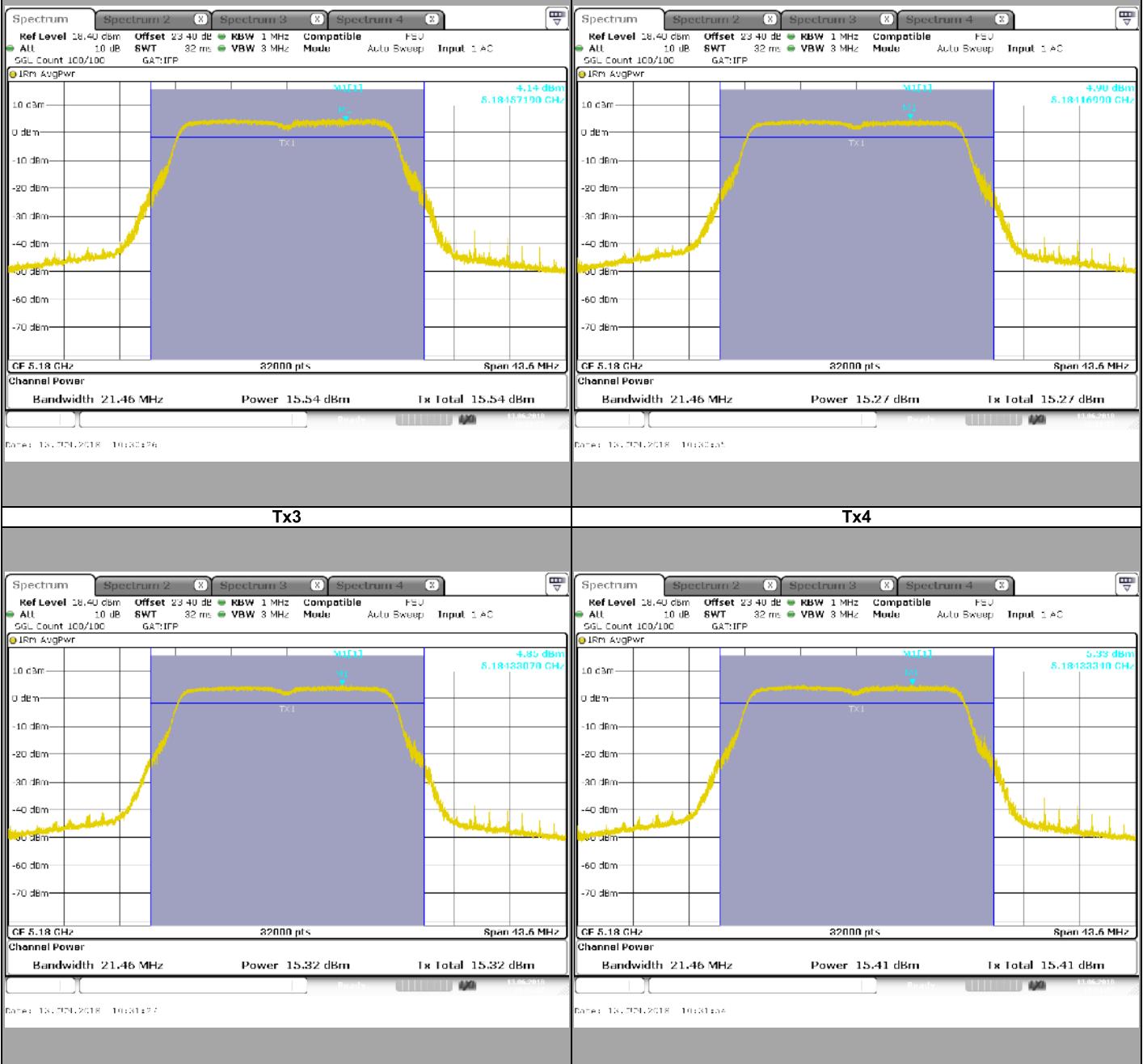
L C I E

### 802.11a Client

C1

Tx1

Tx2



### TEST REPORT

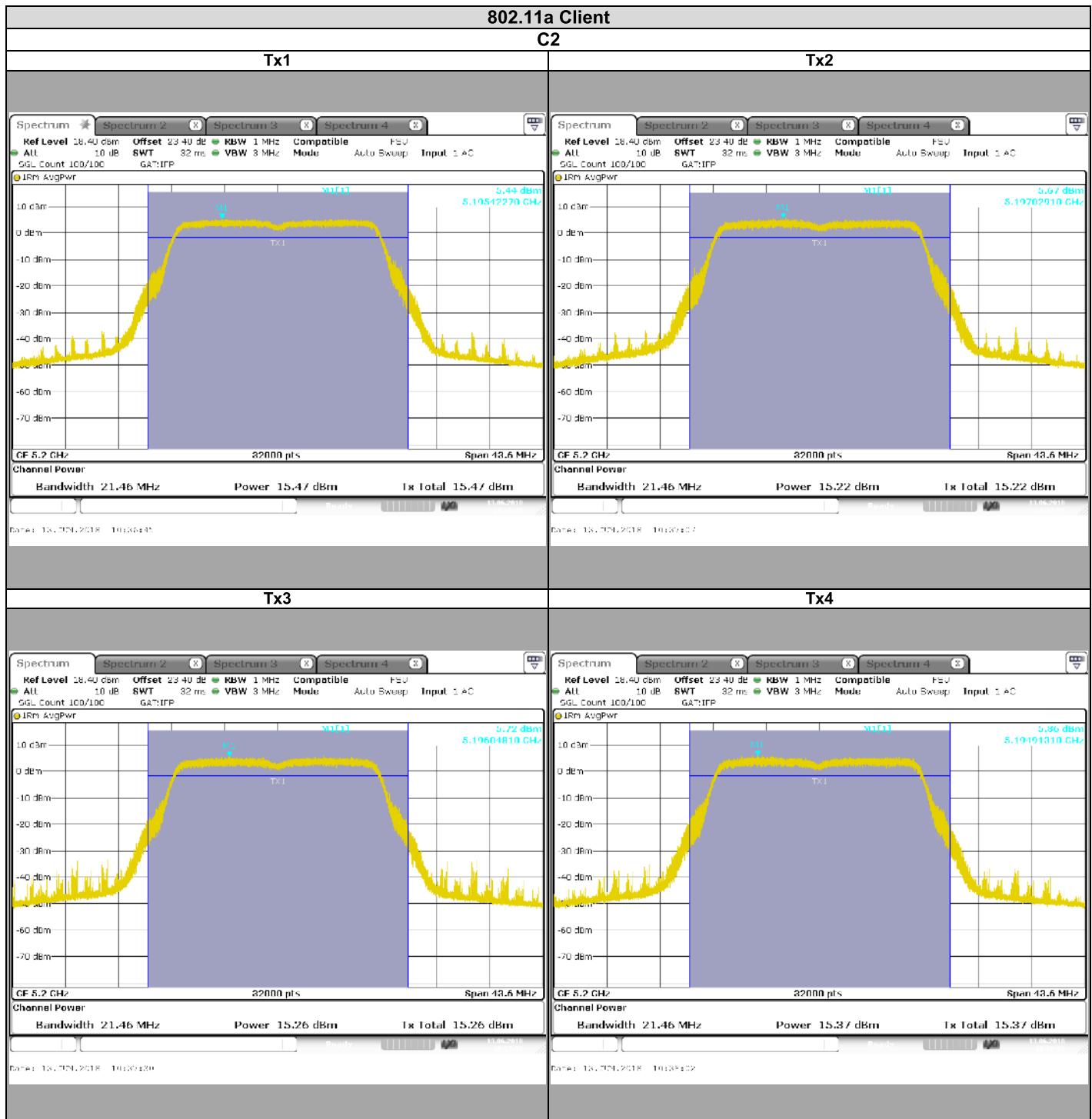
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L C I E



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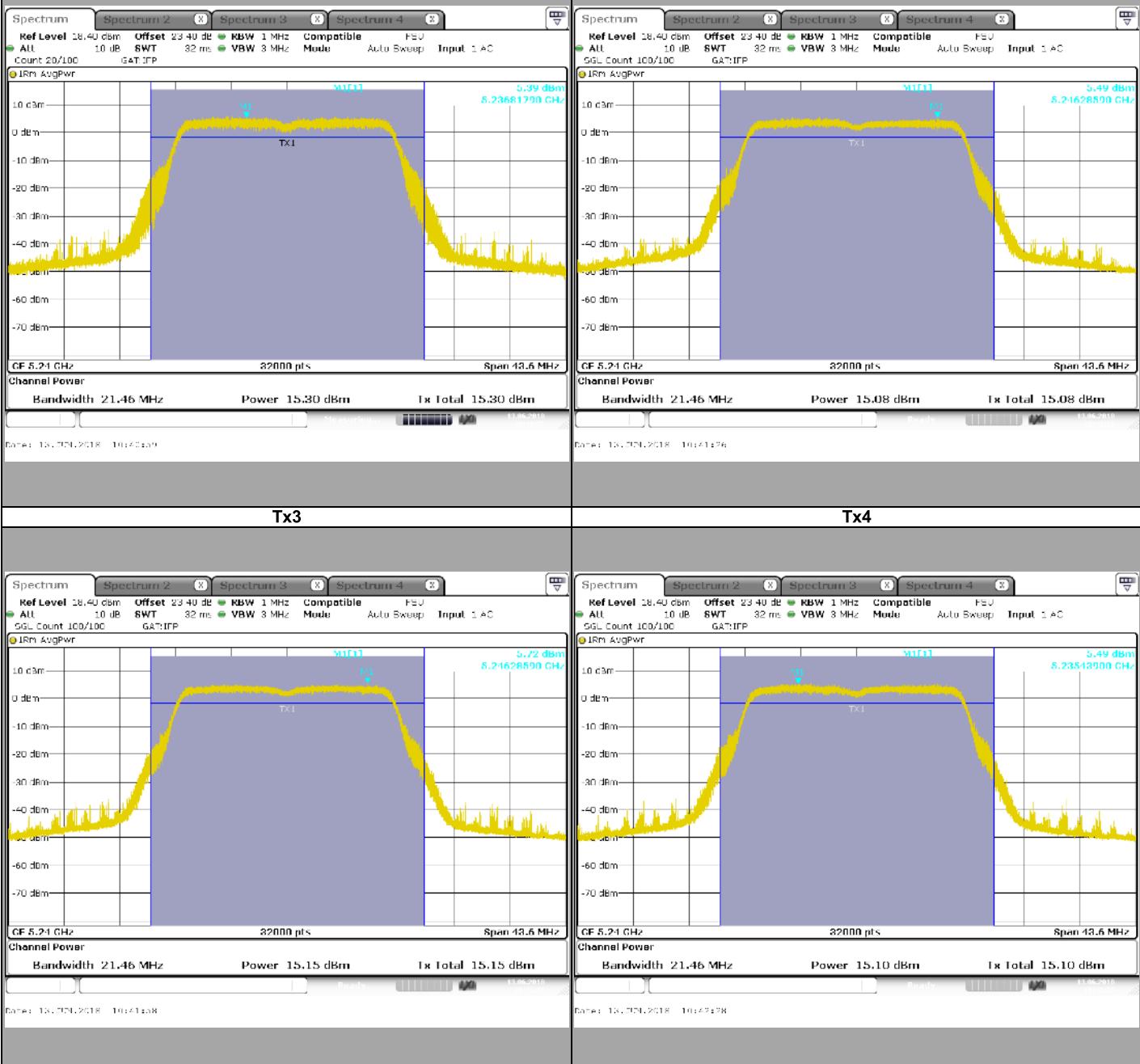
L C I E

**802.11a Client**

**C3**

**Tx1**

**Tx2**



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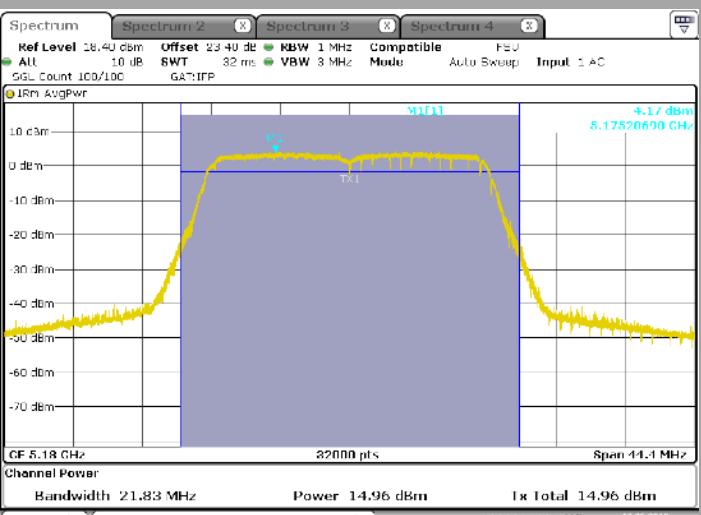
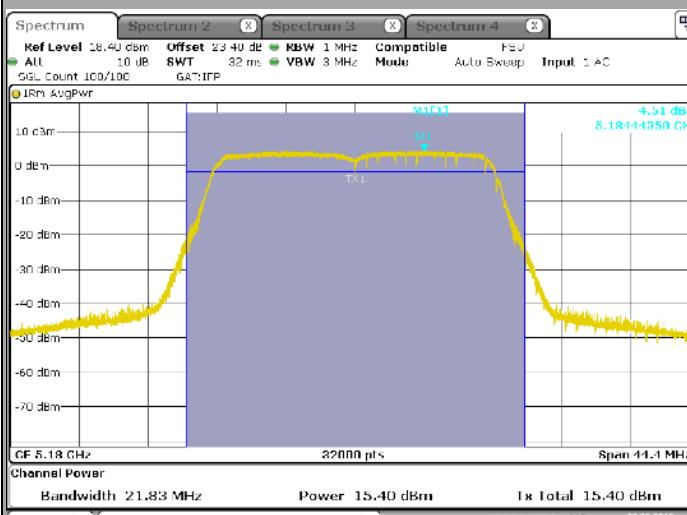
L C I E

## 802.11n HT20/ac VHT20 Client

C1

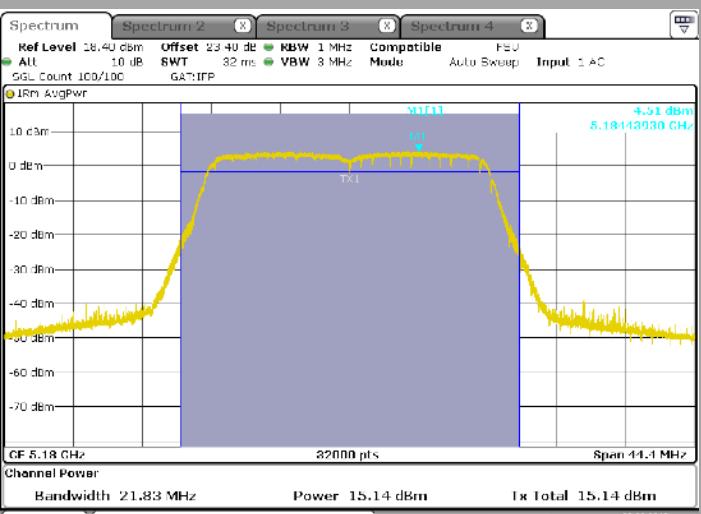
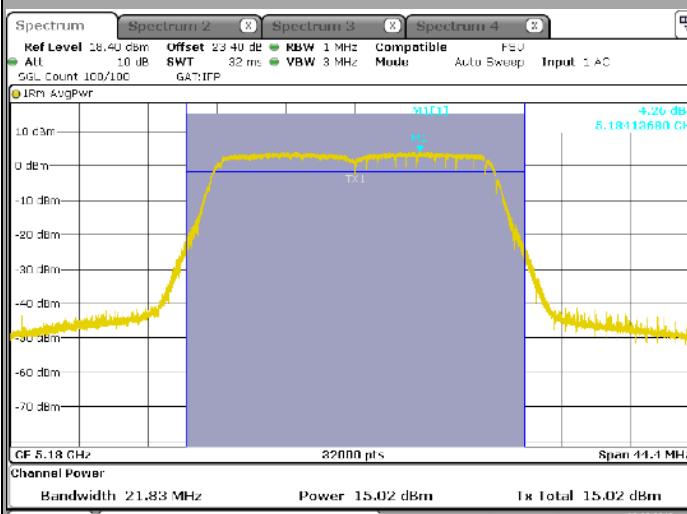
Tx1

Tx2



Tx3

Tx4



## TEST REPORT

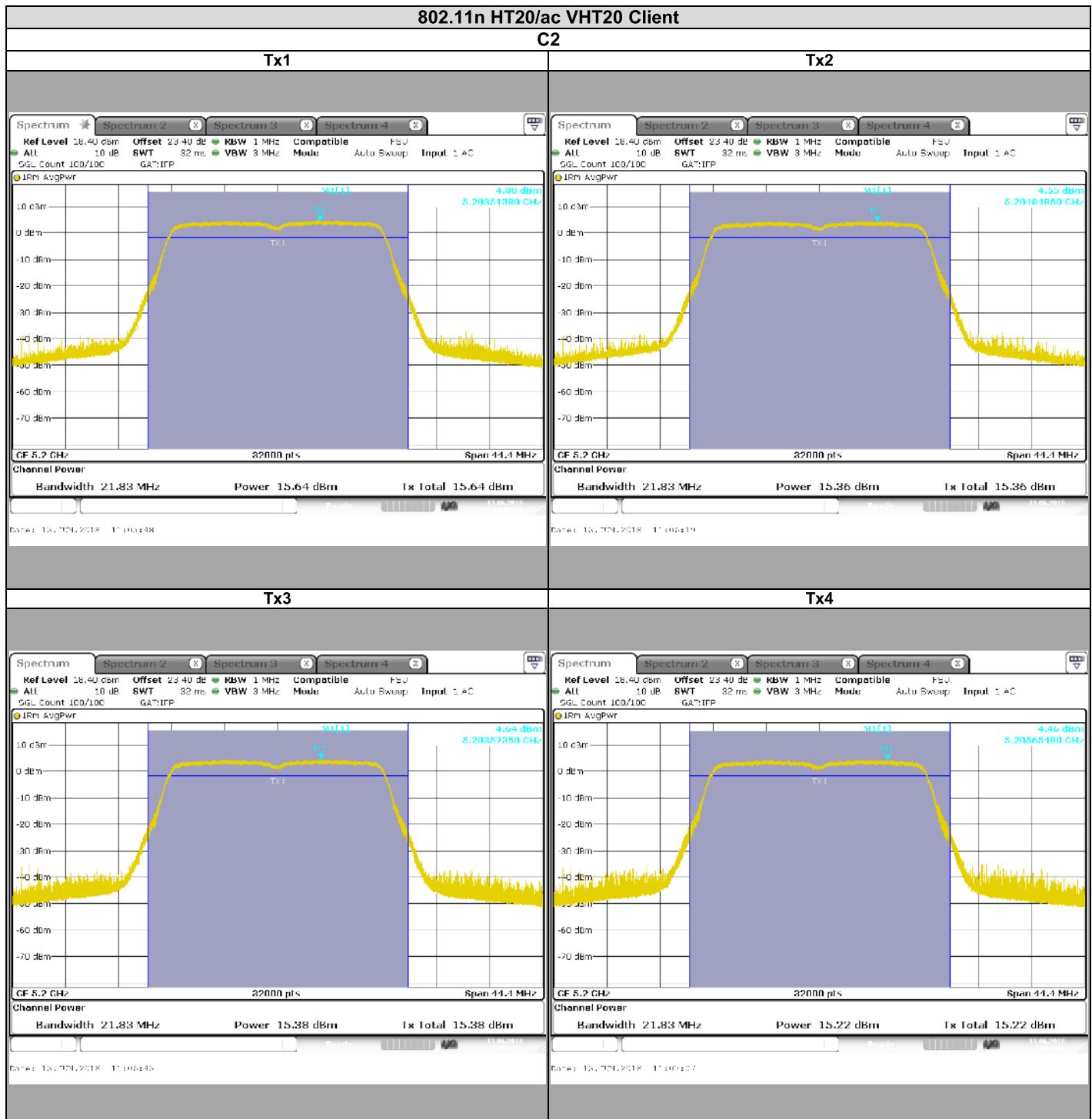
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L C I E



**TEST REPORT**

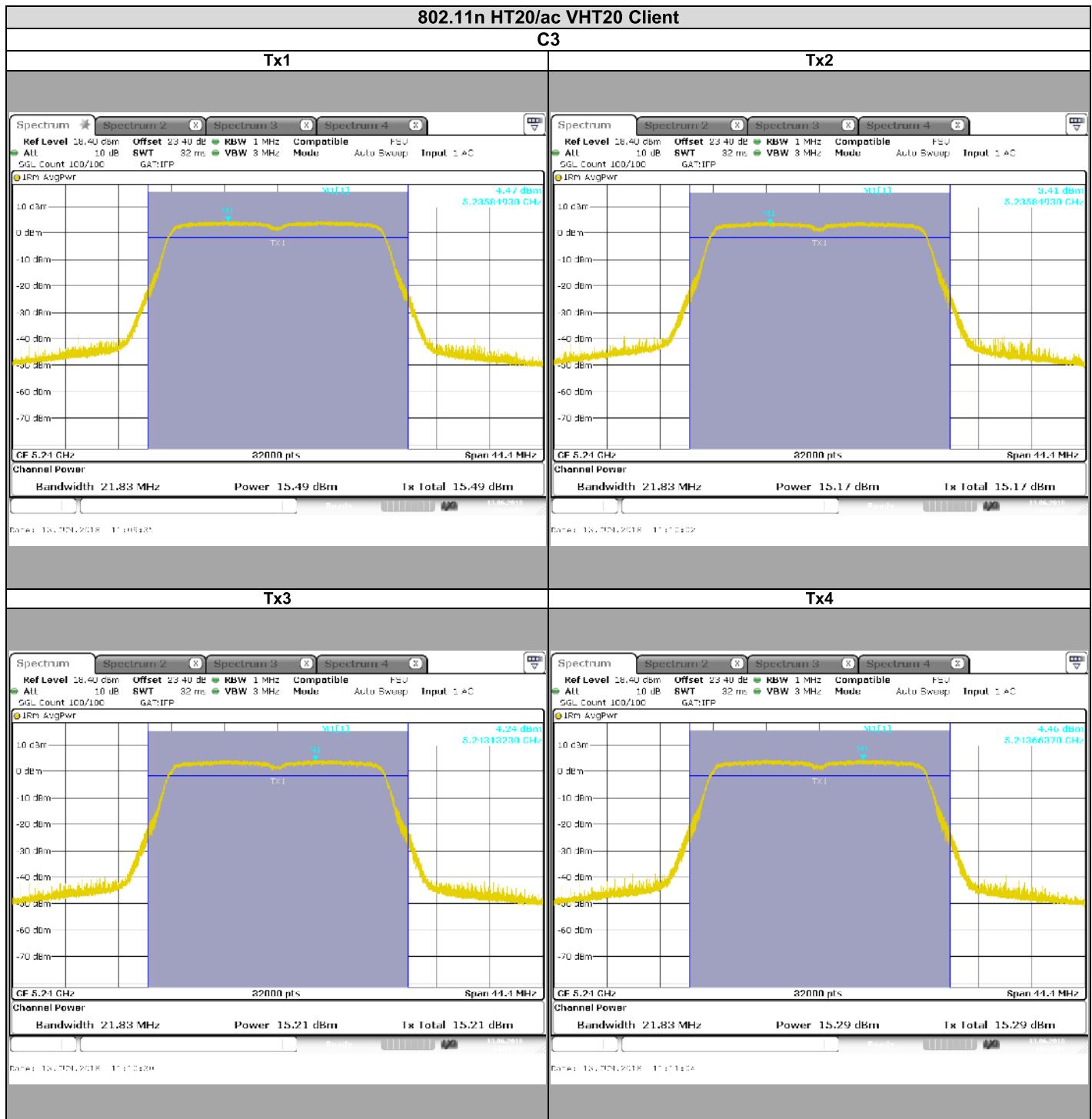
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L C I E



**TEST REPORT**

N° 155636-721608-D

Version : 01

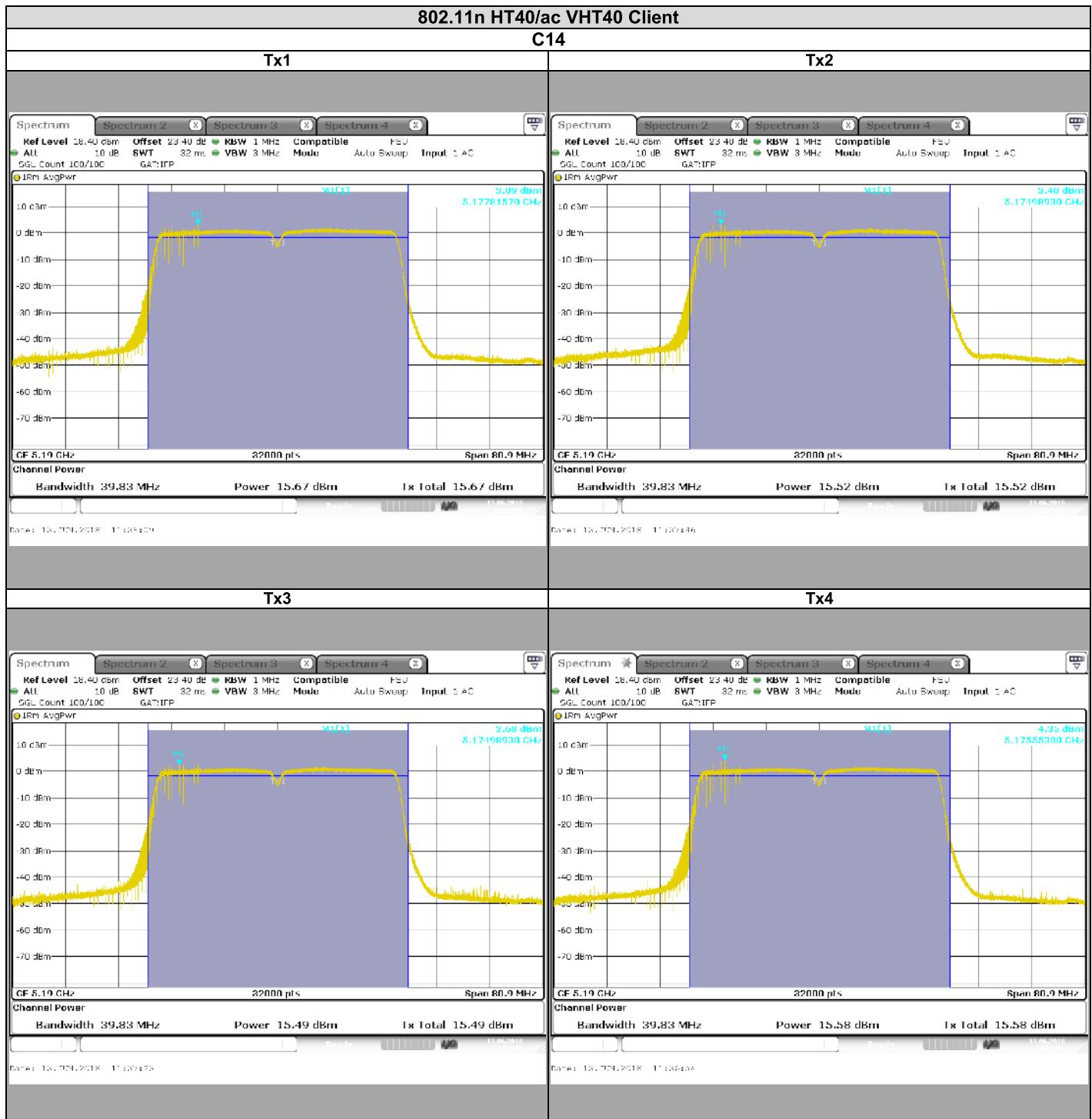
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L C I E

### 802.11n HT40/ac VHT40 Client

C14



### TEST REPORT

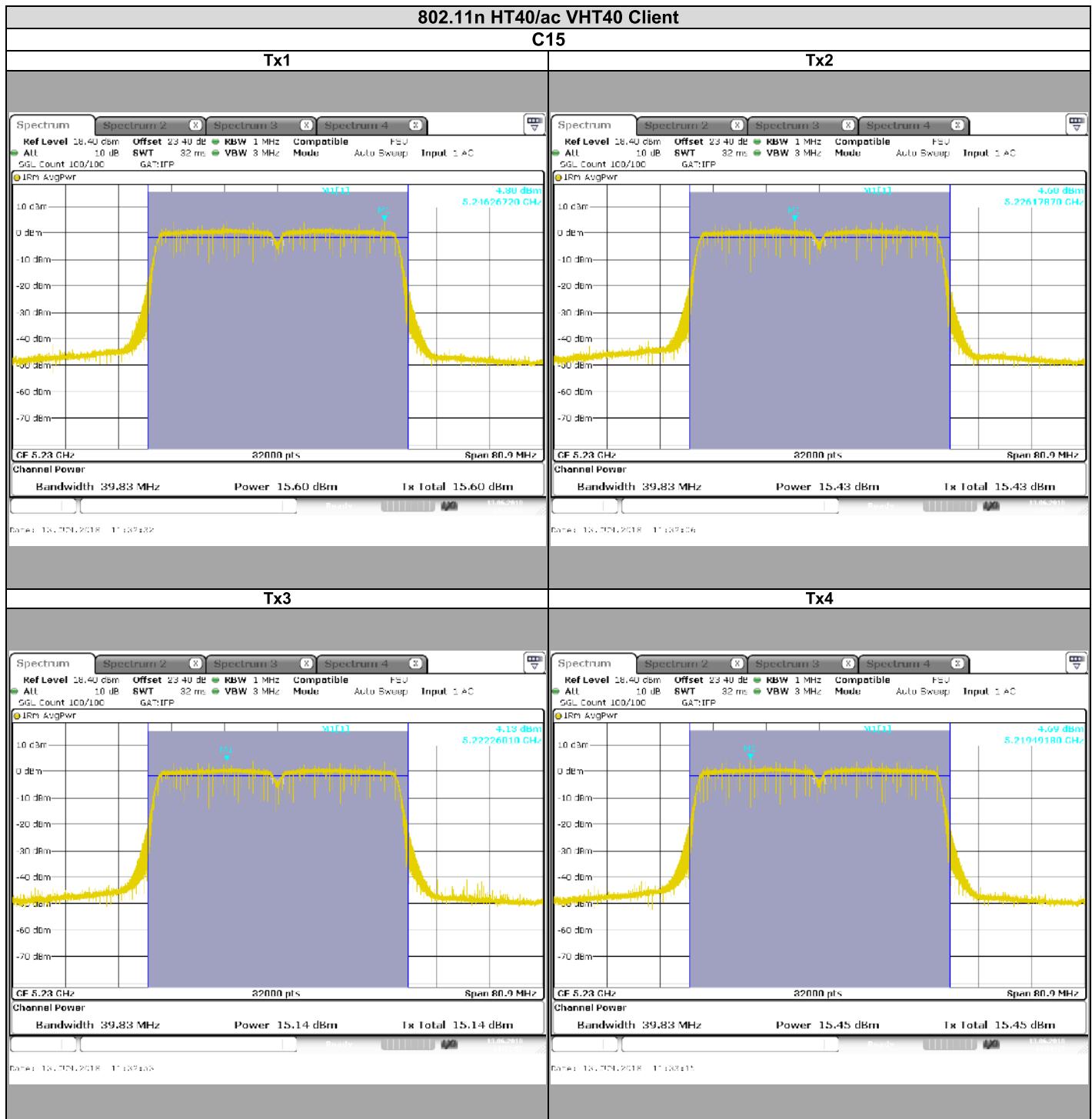
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L C I E



**TEST REPORT**

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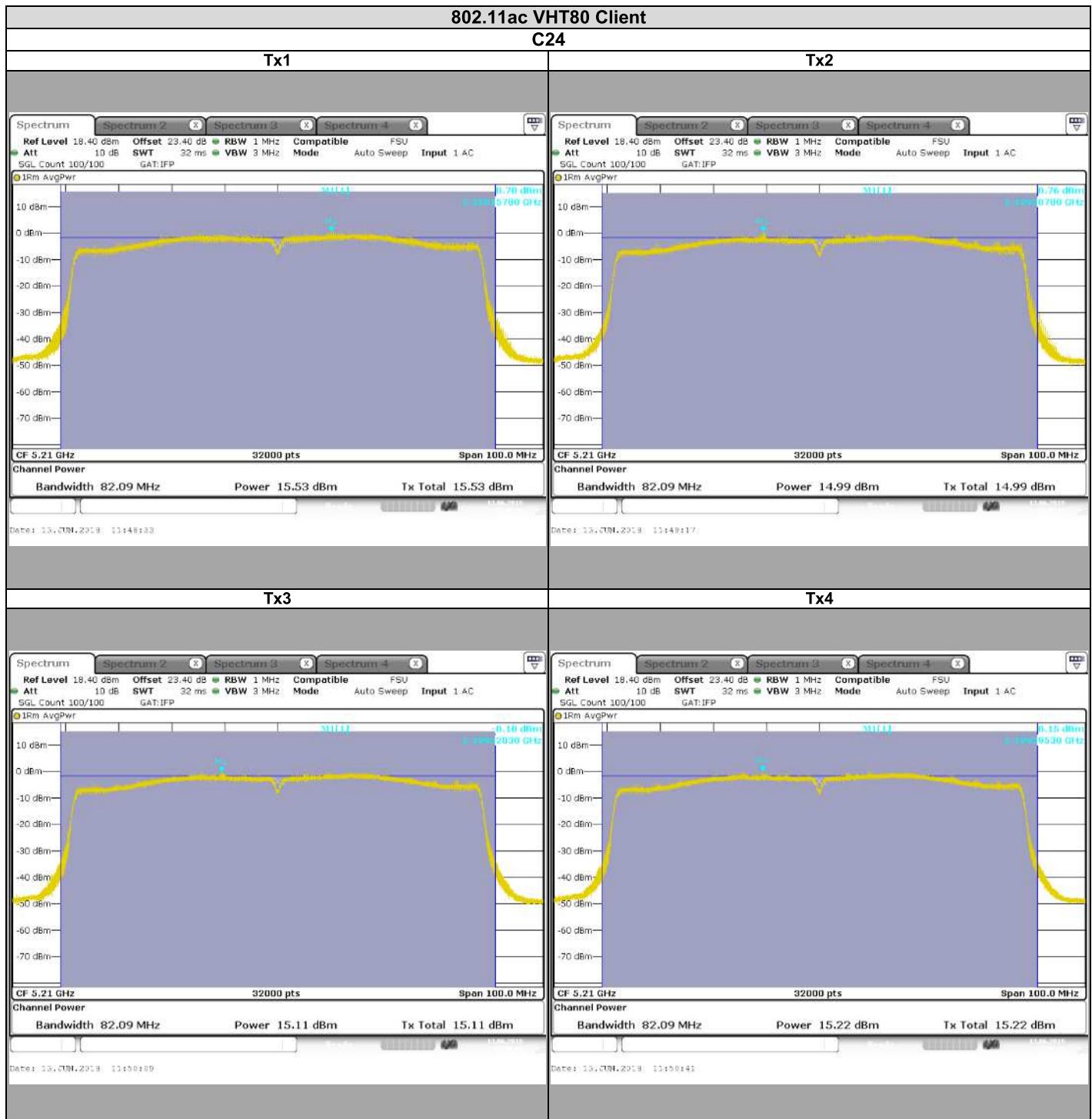
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L C I E

## 802.11ac VHT80 Client

C24



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L C I E

## Results for Master Maximum conducted power output :

802.11a

| Channel                      | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) | Tx EIRP (dBm) | TPC requirement   |
|------------------------------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|---------------|-------------------|
| C1                           | 19,72     | 19,27     | 18,83     | 18,39     | 25,1        | 7,6      | 28,4 AP            | 32,7          |                   |
| C2                           | 20,25     | 19,78     | 19,6      | 19,28     | 25,8        | 7,6      | 28,4 AP            | 33,4          |                   |
| C3                           | 20,51     | 20,04     | 19,42     | 19,12     | 25,8        | 7,6      | 28,4 AP            | 33,4          |                   |
| C4                           | 14,29     | 14,06     | 13,73     | 13,22     | 19,9        | 7,6      | 22,4               | 27,5          | TPC si EIRP>27dBm |
| C5                           | 14,8      | 14,22     | 13,9      | 13,19     | 20,1        | 7,6      | 22,4               | 27,7          | TPC si EIRP>27dBm |
| C6                           | 14,45     | 14,1      | 13,77     | 13,05     | 19,9        | 7,6      | 22,4               | 27,5          | TPC si EIRP>27dBm |
| C7                           | 13,05     | 13,21     | 13,01     | 12,36     | 18,9        | 8,65     | 21,35              | 27,6          | TPC si EIRP>27dBm |
| C8                           | 12,9      | 12,8      | 12,75     | 12,11     | 18,7        | 8,65     | 21,35              | 27,3          | TPC si EIRP>27dBm |
| C9                           | 12,56     | 12,46     | 12,07     | 11,99     | 18,3        | 8,65     | 21,35              | 26,9          | TPC si EIRP>27dBm |
| C10 Straddle 5470MHz-5725MHz | 12,11     | 12,09     | 11,81     | 11,58     | 17,9        | 8,65     | 21,35              | 26,6          | TPC si EIRP>27dBm |
| C10 Straddle 5725MHz-5850MHz | 4,86      | 4,52      | 4,63      | 5,12      | 10,8        | 8,65     | 27,35              | 19,5          | TPC si EIRP>27dBm |
| C11                          | 19,81     | 19,71     | 19,07     | 19,35     | 25,5        | 8,65     | 27,35              |               |                   |
| C12                          | 19,81     | 19,61     | 19,09     | 19,52     | 25,5        | 8,65     | 27,35              |               |                   |
| C13                          | 19,88     | 19,64     | 19,4      | 19,8      | 25,7        | 8,65     | 27,35              |               |                   |

802.11n HT20/ac VHT20

| Channel                      | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) | Tx EIRP (dBm) | EIRP Limit FCC (dBm) |
|------------------------------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|---------------|----------------------|
| C1                           | 19,74     | 19,02     | 18,42     | 17,93     | 24,9        | 7,6      | 28,4 AP            | 32,5          |                      |
| C2                           | 20,82     | 20,25     | 19,78     | 19,74     | 26,2        | 7,6      | 28,4 AP            | 33,8          |                      |
| C3                           | 20,7      | 20,28     | 19,83     | 19,57     | 26,1        | 7,6      | 28,4 AP            | 33,7          |                      |
| C4                           | 14,48     | 14,3      | 13,8      | 13,32     | 20,0        | 7,6      | 22,4               | 27,6          | TPC si EIRP>27dBm    |
| C5                           | 14,64     | 14,4      | 14,03     | 13,13     | 20,1        | 7,6      | 22,4               | 27,7          | TPC si EIRP>27dBm    |
| C6                           | 14,51     | 14,16     | 13,87     | 13,31     | 20,0        | 7,6      | 22,4               | 27,6          | TPC si EIRP>27dBm    |
| C7                           | 13,31     | 13,49     | 13,02     | 12,67     | 19,2        | 8,65     | 21,35              | 27,8          | TPC si EIRP>27dBm    |
| C8                           | 13,44     | 13,26     | 13,09     | 12,59     | 19,1        | 8,65     | 21,35              | 27,8          | TPC si EIRP>27dBm    |
| C9                           | 13,18     | 13,13     | 13,04     | 12,89     | 19,1        | 8,65     | 21,35              | 27,7          | TPC si EIRP>27dBm    |
| C10 Straddle 5470MHz-5725MHz | 12,33     | 11,95     | 11,63     | 11,61     | 17,9        | 8,65     | 21,35              | 26,6          | TPC si EIRP>27dBm    |
| C10 Straddle 5725MHz-5850MHz | 6,18      | 5,96      | 5,75      | 5,65      | 11,9        | 8,65     | 27,35              | 20,6          | TPC si EIRP>27dBm    |
| C11                          | 19,9      | 19,36     | 19,02     | 19,27     | 25,4        | 8,65     | 27,35              |               |                      |
| C12                          | 19,99     | 19,41     | 19,05     | 19,68     | 25,6        | 8,65     | 27,35              |               |                      |
| C13                          | 19,76     | 19,39     | 19,04     | 19,77     | 25,5        | 8,65     | 27,35              |               |                      |



L C I E

802.11n HT40/ac VHT40

| Channel                      | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) | Tx EIRP (dBm) | EIRP Limit FCC (dBm) |
|------------------------------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|---------------|----------------------|
| C14                          | 16,72     | 16,15     | 15,56     | 15,22     | 22,0        | 7,6      | 28,4 AP            | 29,6          |                      |
| C15                          | 21,08     | 20,28     | 19,9      | 19,56     | 26,3        | 7,6      | 28,4 AP            | 33,9          |                      |
| C16                          | 14,96     | 14,57     | 14,1      | 13,44     | 20,3        | 7,6      | 22,4               | 27,9          | TPC si EIRP>27dBm    |
| C17                          | 15,58     | 15        | 14,43     | 13,69     | 20,8        | 7,6      | 22,4               | 28,4          | TPC si EIRP>27dBm    |
| C18                          | 13,73     | 13,61     | 13,26     | 13,16     | 19,5        | 8,65     | 21,35              | 28,1          | TPC si EIRP>27dBm    |
| C19                          | 13,65     | 13,54     | 13,17     | 12,76     | 19,3        | 8,65     | 21,35              | 28,0          | TPC si EIRP>27dBm    |
| C20                          | 13,47     | 13,47     | 13,56     | 13,43     | 19,5        | 8,65     | 21,35              | 28,2          | TPC si EIRP>27dBm    |
| C21 Straddle 5470MHz-5725MHz | 13,09     | 13,07     | 12,59     | 12,9      | 18,9        | 8,65     | 21,35              | 27,6          | TPC si EIRP>27dBm    |
| C21 Straddle 5725MHz-5850MHz | 2,59      | 2,73      | 2,1       | 2,35      | 8,5         | 8,65     | 27,35              | 17,1          | TPC si EIRP>27dBm    |
| C22                          | 19,79     | 19,7      | 19,15     | 19,61     | 25,6        | 8,65     | 27,35              |               |                      |
| C23                          | 20,03     | 19,73     | 19,43     | 19,87     | 25,8        | 8,65     | 27,35              |               |                      |

802.11ac VHT80

| Channel                      | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) | Tx EIRP (dBm) | EIRP Limit FCC (dBm) |
|------------------------------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|---------------|----------------------|
| C24                          | 16,04     | 15,68     | 15,39     | 14,96     | 21,6        | 7,6      | 28,4 AP            | 29,2          |                      |
| C25                          | 15        | 14,1      | 13,89     | 13,04     | 20,1        | 7,6      | 22,4               | 27,7          | TPC si EIRP>27dBm    |
| C26                          | 13,03     | 12,84     | 12,45     | 12,5      | 18,7        | 8,65     | 21,35              | 27,4          | TPC si EIRP>27dBm    |
| C27                          | 13,3      | 13,27     | 12,57     | 12,55     | 19,0        | 8,65     | 21,35              | 27,6          | TPC si EIRP>27dBm    |
| C28 Straddle 5470MHz-5725MHz | 13,29     | 13,22     | 12,92     | 13,03     | 19,1        | 8,65     | 21,35              | 27,8          | TPC si EIRP>27dBm    |
| C28 Straddle 5725MHz-5850MHz | -0,89     | -1        | -1,39     | -1,49     | 4,8         | 8,65     | 27,35              | 13,5          |                      |
| C29                          | 19,83     | 19,66     | 19,19     | 19,42     | 25,6        | 8,65     | 27,35              | 34,2          |                      |

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## Results for Master Power spectral density :

802.11a

| Channel                      | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBmMHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
|------------------------------|---------------|---------------|---------------|---------------|----------------|----------|------------------------|
| C1                           | 8,95          | 8,82          | 8,08          | 7,89          | 14,5           | 7,6      | 15,4 AP                |
| C2                           | 9,54          | 9,14          | 8,78          | 8,54          | 15,0           | 7,6      | 15,4 AP                |
| C3                           | 9,67          | 9,55          | 8,63          | 8,62          | 15,2           | 7,6      | 15,4 AP                |
| C4                           | 3,49          | 3,7           | 2,93          | 3,08          | 9,3            | 7,6      | 9,4                    |
| C5                           | 3,93          | 3,66          | 3,09          | 2,68          | 9,39           | 7,6      | 9,4                    |
| C6                           | 3,62          | 3,69          | 3,04          | 2,51          | 9,3            | 7,6      | 9,4                    |
| C7                           | 2,24          | 2,47          | 2,56          | 1,68          | 8,27           | 8,65     | 8,35                   |
| C8                           | 2,55          | 2,15          | 2,47          | 1,53          | 8,2            | 8,65     | 8,35                   |
| C9                           | 2,5           | 2,08          | 1,67          | 1,57          | 8,0            | 8,65     | 8,35                   |
| C10 Straddle 5470MHz-5725MHz | 2,35          | 2,37          | 2             | 1,92          | 8,2            | 8,65     | 8,35                   |
| C10 Straddle 5725MHz-5850MHz | -0,28         | -0,56         | -1,6          | -0,94         | 5,2            | 8,65     | 27,35 (/500kHz)        |
| C11                          | 7,09          | 6,31          | 6,27          | 5,9           | 12,4           | 8,65     | 27,35 (/500kHz)        |
| C12                          | 7,1           | 6,82          | 6,1           | 6,65          | 12,7           | 8,65     | 27,35 (/500kHz)        |
| C13                          | 7,15          | 7,21          | 6,31          | 7,07          | 13,0           | 8,65     | 27,35 (/500kHz)        |

802.11n HT20/ac VHT20

| Channel                      | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBmMHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
|------------------------------|---------------|---------------|---------------|---------------|----------------|----------|------------------------|
| C1                           | 8,84          | 8,08          | 7,45          | 7,04          | 13,9           | 7,6      | 15,4 AP                |
| C2                           | 9,81          | 9,29          | 8,75          | 8,93          | 15,2           | 7,6      | 15,4 AP                |
| C3                           | 9,72          | 9,28          | 8,8           | 8,55          | 15,1           | 7,6      | 15,4 AP                |
| C4                           | 3,49          | 3,42          | 2,95          | 2,32          | 9,1            | 7,6      | 9,4                    |
| C5                           | 3,66          | 3,45          | 3,02          | 2,16          | 9,1            | 7,6      | 9,4                    |
| C6                           | 3,45          | 3,2           | 2,98          | 2,23          | 9,0            | 7,6      | 9,4                    |
| C7                           | 2,42          | 2,47          | 2,3           | 1,84          | 8,29           | 8,65     | 8,35                   |
| C8                           | 2,59          | 2,36          | 2,15          | 1,53          | 8,2            | 8,65     | 8,35                   |
| C9                           | 2,21          | 2,12          | 2,07          | 1,99          | 8,1            | 8,65     | 8,35                   |
| C10 Straddle 5470MHz-5725MHz | 2,43          | 2,03          | 1,79          | 1,68          | 8,0            | 8,65     | 8,35                   |
| C10 Straddle 5725MHz-5850MHz | -0,49         | -0,69         | -1            | -1,02         | 5,2            | 8,65     | 27,35 (/500kHz)        |
| C11                          | 6,31          | 5,29          | 5,43          | 5,78          | 11,7           | 8,65     | 27,35 (/500kHz)        |
| C12                          | 6,26          | 5,62          | 5,41          | 5,82          | 11,8           | 8,65     | 27,35 (/500kHz)        |
| C13                          | 6,03          | 5,58          | 5,45          | 6,33          | 11,9           | 8,65     | 27,35 (/500kHz)        |

802.11n HT40/ac VHT40

| Channel                      | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBmMHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
|------------------------------|---------------|---------------|---------------|---------------|----------------|----------|------------------------|
| C14                          | 6,16          | 2,34          | 2,3           | 1,36          | 9,5            | 7,6      | 15,4 AP                |
| C15                          | 7,48          | 6,81          | 6,08          | 6,23          | 12,7           | 7,6      | 15,4 AP                |
| C16                          | 2,73          | 1,93          | 1,32          | 1,17          | 7,9            | 7,6      | 9,4                    |
| C17                          | 2,77          | 2,18          | 1,55          | 2,01          | 8,2            | 7,6      | 9,4                    |
| C18                          | 2,05          | 1,43          | 0,96          | 0,59          | 7,3            | 8,65     | 8,35                   |
| C19                          | 1,95          | 1,71          | 0,68          | 0,9           | 7,4            | 8,65     | 8,35                   |
| C20                          | 0,85          | 1,83          | 2,53          | 1,46          | 7,7            | 8,65     | 8,35                   |
| C21 Straddle 5470MHz-5725MHz | 1,27          | 2,06          | 0,36          | 0,34          | 7,1            | 8,65     | 8,35                   |
| C21 Straddle 5725MHz-5850MHz | -2,96         | -2,18         | -3,32         | -3,33         | 3,1            | 8,65     | 27,35 (/500kHz)        |
| C22                          | 3             | 2,9           | 2,44          | 2,96          | 8,9            | 8,65     | 27,35 (/500kHz)        |
| C23                          | 3,18          | 2,77          | 2,63          | 2,99          | 8,9            | 8,65     | 27,35 (/500kHz)        |

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802.11ac VHT80

| Channel                      | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBm/MHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
|------------------------------|---------------|---------------|---------------|---------------|-----------------|----------|------------------------|
| C24                          | -1,21         | -1,99         | -1,9          | -2,51         | 4,1             | 7,6      | 15,4 AP                |
| C25                          | -3,06         | -4,01         | -4,55         | -5,59         | 1,8             | 7,6      | 9,4                    |
| C26                          | -5,7          | -6,39         | -6,3          | -5,69         | 0,0             | 8,65     | 8,35                   |
| C27                          | -5,56         | -4,57         | -6,48         | -5,34         | 0,6             | 8,65     | 8,35                   |
| C28 Straddle 5470MHz-5725MHz | -3,55         | -3,49         | -3,79         | -3,49         | 2,4             | 8,65     | 8,35                   |
| C28 Straddle 5725MHz-5850MHz | -6,09         | -6,47         | -6,29         | -6,18         | -0,2            | 8,65     | 27,35 (/500kHz)        |
| C29                          | 0,61          | 0,59          | -0,17         | -0,14         | 6,3             | 8,65     | 27,35 (/500kHz)        |

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Results for Slave Maximum conducted output power :

| 802.11a |           |           |           |           |             |          |                    |
|---------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|
| Channel | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) |
| C1      | 12,46     | 12,77     | 12,5      | 13,39     | 18,8        | 7,6      | 21,4               |
| C2      | 13,05     | 12,91     | 12,24     | 12,52     | 18,7        | 7,6      | 21,4               |
| C3      | 11,78     | 12,9      | 12,72     | 12,59     | 18,5        | 7,6      | 21,4               |

| 802.11n HT20/ac VHT20 |           |           |           |           |             |          |                    |
|-----------------------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|
| Channel               | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) |
| C1                    | 13,26     | 13,52     | 12,68     | 13,12     | 19,18       | 7,6      | 21,4               |
| C2                    | 13,04     | 12,37     | 12,87     | 12,75     | 18,8        | 7,6      | 21,4               |
| C3                    | 13,01     | 12,86     | 12,84     | 12,81     | 18,9        | 7,6      | 21,4               |

| 802.11n HT40/ac VHT40 |           |           |           |           |             |          |                    |
|-----------------------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|
| Channel               | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) |
| C14                   | 14,09     | 14,12     | 14,01     | 13,86     | 20,0        | 7,6      | 21,4               |
| C15                   | 14,73     | 14,55     | 14,47     | 14,2      | 20,5        | 7,6      | 21,4               |

| 802.11ac VHT80 |           |           |           |           |             |          |                    |
|----------------|-----------|-----------|-----------|-----------|-------------|----------|--------------------|
| Channel        | Tx1 (dBm) | Tx2 (dBm) | Tx3 (dBm) | Tx4 (dBm) | TxAll (dBm) | AG (dBi) | Tx Limit FCC (dBm) |
| C24            | 12,93     | 13,1      | 12,65     | 12,33     | 18,8        | 7,6      | 21,4               |



Results for Master Power spectral density :

| 802.11a |               |               |               |               |                |          |                        |
|---------|---------------|---------------|---------------|---------------|----------------|----------|------------------------|
| Channel | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBmMHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
| C1      | 1,72          | 2,16          | 1,89          | 2,99          | 8,2            | 7,6      | 8,4                    |
| C2      | 2,43          | 2,28          | 1,53          | 2,04          | 8,1            | 7,6      | 8,4                    |
| C3      | 1,1           | 2,32          | 2,05          | 2,27          | 8,0            | 7,6      | 8,4                    |

| 802.11n<br>HT20/ac<br>VHT20 |               |               |               |               |                |          |                        |
|-----------------------------|---------------|---------------|---------------|---------------|----------------|----------|------------------------|
| Channel                     | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBmMHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
| C1                          | 2,27          | 2,59          | 1,98          | 2,13          | 8,3            | 7,6      | 8,4                    |
| C2                          | 1,93          | 1,44          | 1,83          | 1,79          | 7,8            | 7,6      | 8,4                    |
| C3                          | 2,15          | 1,9           | 1,97          | 1,83          | 8,0            | 7,6      | 8,4                    |

| 802.11n<br>HT40/ac<br>VHT40 |               |               |               |               |                |          |                        |
|-----------------------------|---------------|---------------|---------------|---------------|----------------|----------|------------------------|
| Channel                     | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBmMHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
| C14                         | 0,21          | 0,62          | 1,54          | -0,05         | 6,6            | 7,6      | 8,4                    |
| C15                         | 0,88          | 0,77          | 0,53          | 0,2           | 6,6            | 7,6      | 8,4                    |

| 802.11ac<br>VHT80 |               |               |               |               |                |          |                        |
|-------------------|---------------|---------------|---------------|---------------|----------------|----------|------------------------|
| Channel           | Tx1 (dBm/MHz) | Tx2 (dBm/MHz) | Tx3 (dBm/MHz) | Tx4 (dBm/MHz) | TxAll (dBmMHz) | AG (dBi) | Tx Limit FCC (dBm/MHz) |
| C24               | -3            | -2,89         | -3,14         | -3,61         | 2,9            | 7,6      | 8,4                    |

## 8.6. CONCLUSION

Maximum Conducted Output Power, Maximum Power Spectral Density, Maximum EIRP, Maximum EIRP Power Spectral Density measurement performed on the sample of the product **SAGEMCOM DCIWA384 UHD Alt US V2, SN: 253764997**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407** limits.

## 9. TRANSMIT POWER CONTROL

### 9.1. TEST CONDITIONS

Test performed by : Mathieu CERISIER  
Date of test : June 5, 2018  
Ambient temperature : 23 °C  
Relative humidity : 41 %

### 9.2. TEST SETUP

- The Equipment Under Test is installed:

- On a table
- In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:

- Conducted Method
- Radiated Method

- Test Procedure:

- KDB 789033 D02 General UNII Test Procedures New Rules v02r01 § E2 b (Method SA-1)
- KDB 789033 D02 General UNII Test Procedures New Rules v02r01 § E2 c (Method SA-2)
- KDB 662911 D01 Multiple Transmitter Output v02r01



Photograph for Transmit Power Control



### 9.3. LIMIT

FCC Part 15.407 & RSS-247

TPC Min (EIRP):

5250MHz-5350MHz: Shall not exceed 24dBm

5470MHz-5725MHz: Shall not exceed 24dBm

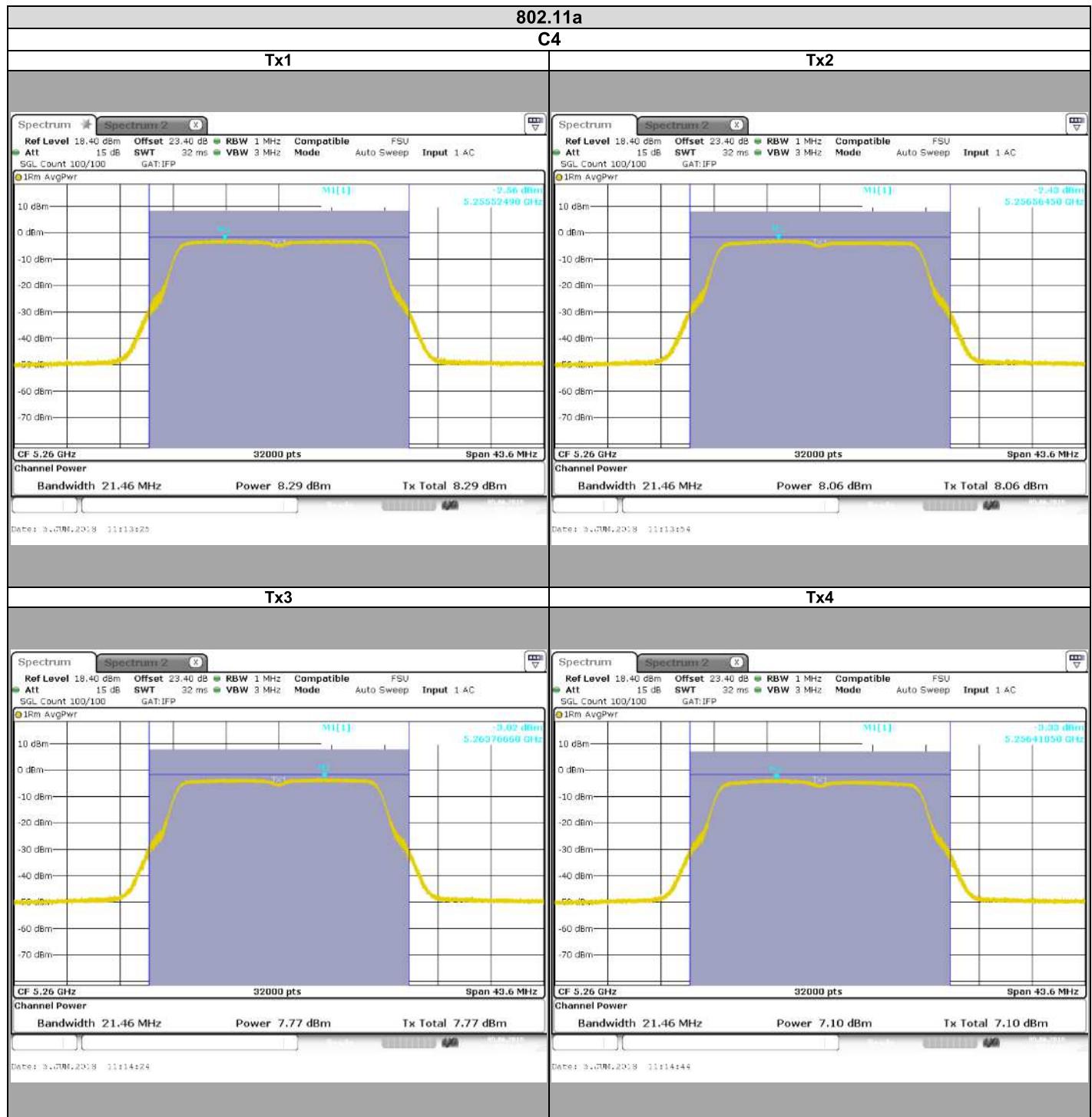
### 9.4. TEST EQUIPMENT LIST

| DESCRIPTION                     | MANUFACTURER    | MODEL        | N° LCIE  | Cal_Date | Cal_Due |
|---------------------------------|-----------------|--------------|----------|----------|---------|
| EMI receiver                    | ROHDE & SCHWARZ | ESR 7        | A2642023 | 2017/09  | 2018/09 |
| Multi-meter                     | KEITHLEY        | 2000         | A1242090 | 2017/05  | 2019/05 |
| Programmable AC/DC power supply | KIKUSUI         | PCR500M      | A7040079 | 2017/05  | 2019/05 |
| RF cable & 20 dB attenuator     | Télédynne       | 920-0202-048 | A5329676 | 2017/09  | 2018/09 |



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## 9.5. RESULTS



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