

# KCTL Inc.

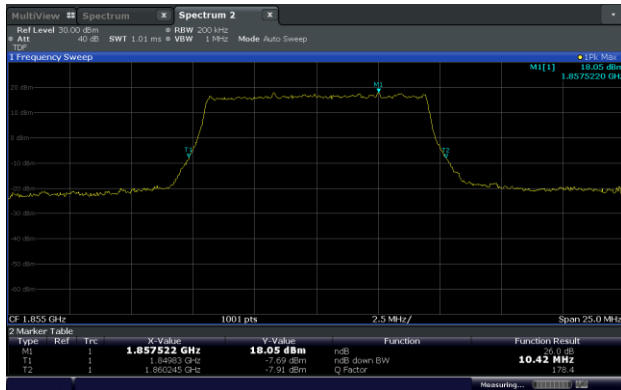
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR19-SRF0016-A

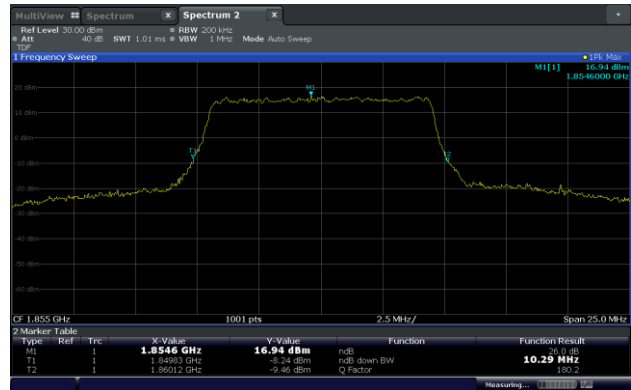
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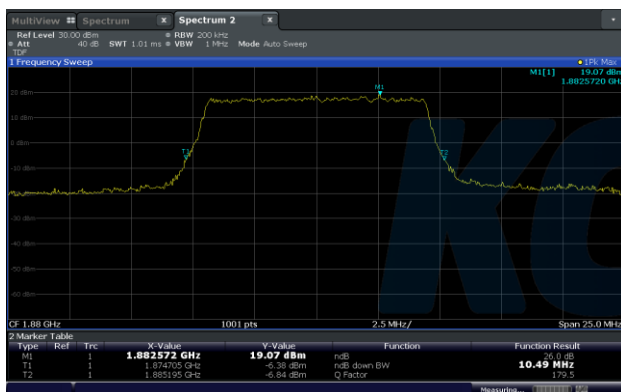
## 10M BW / QPSK / Low ch.



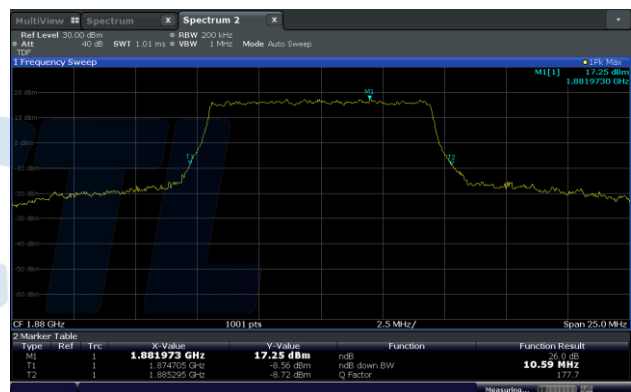
## 10M BW / 16QAM / Low ch.



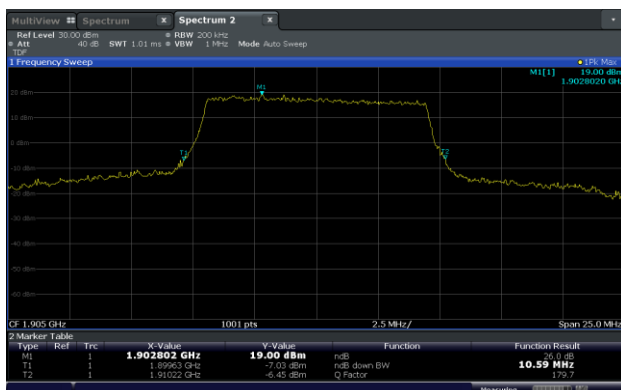
## 10M BW / QPSK / Mid ch.



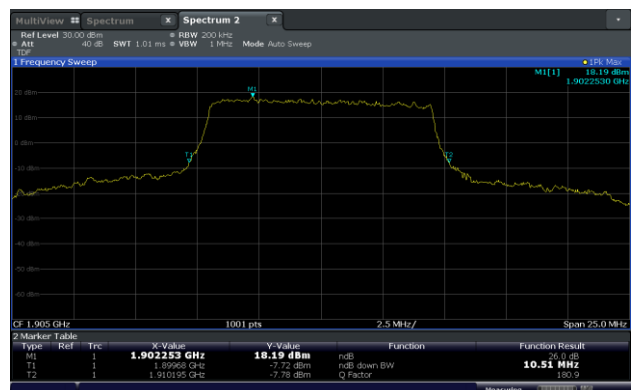
## 10M BW / 16QAM / Mid ch.



## 10M BW / QPSK / High ch.



## 10M BW / 16QAM / High ch.



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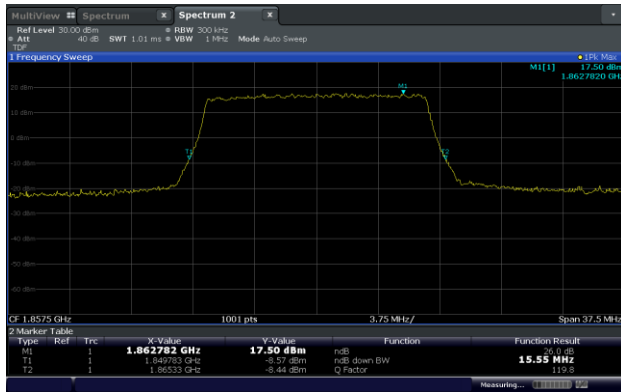
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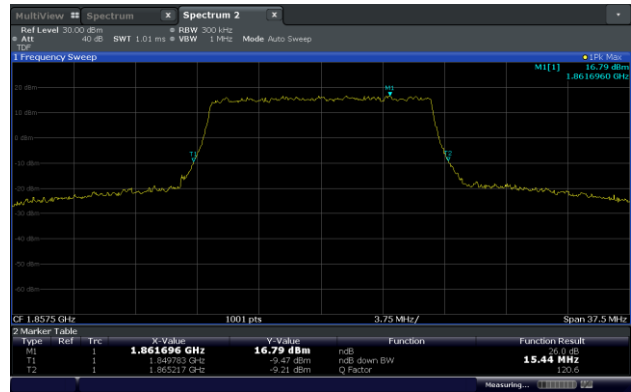
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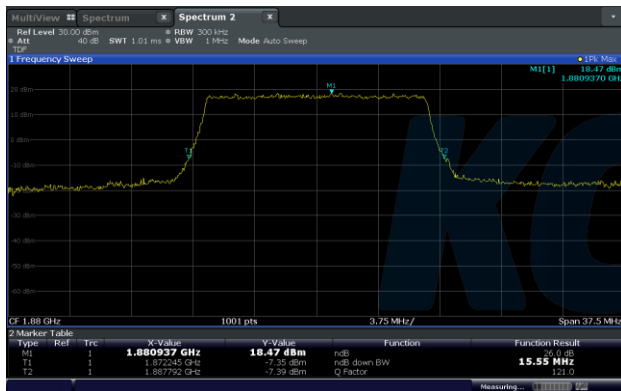
## 15M BW / QPSK / Low ch.



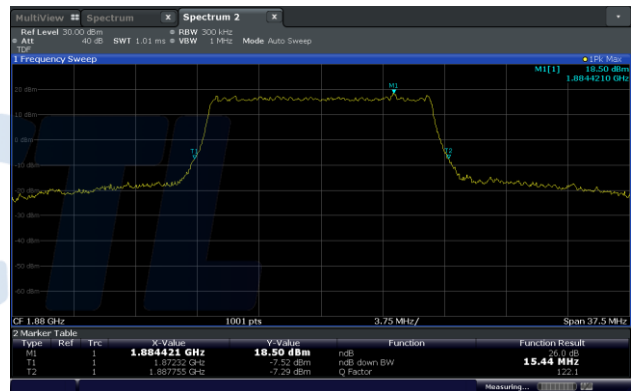
## 15M BW / 16QAM / Low ch.



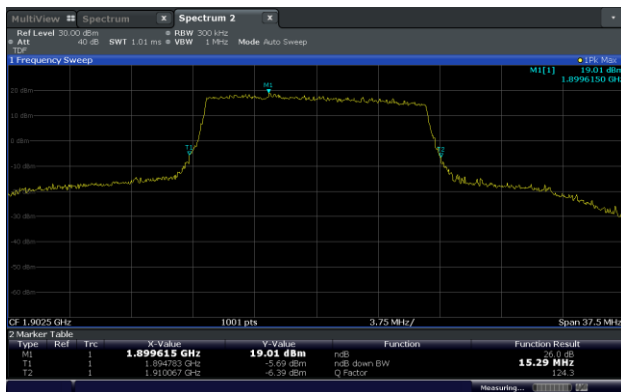
## 15M BW / QPSK / Mid ch.



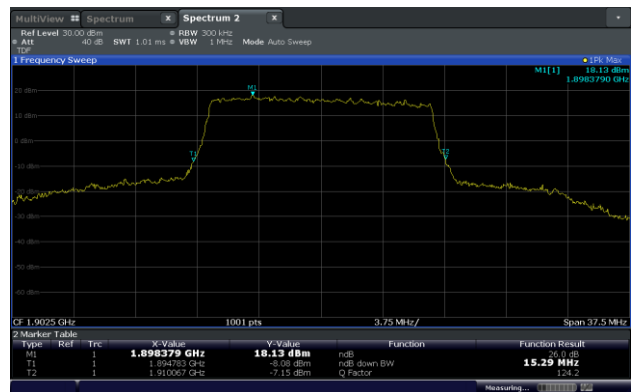
## 15M BW / 16QAM / Mid ch.



## 15M BW / QPSK / High ch.



## 15M BW / 16QAM / High ch.



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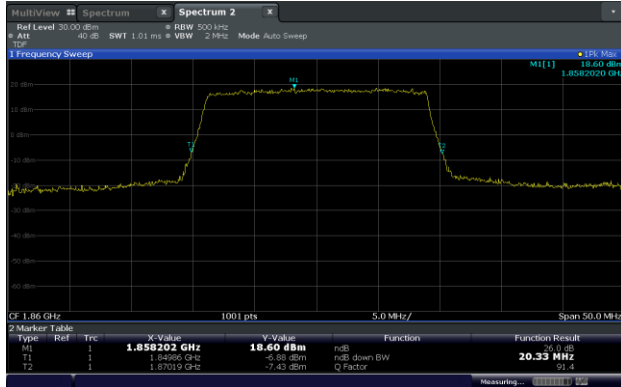
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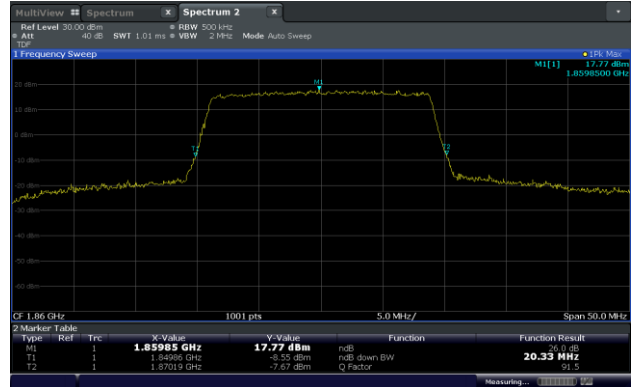
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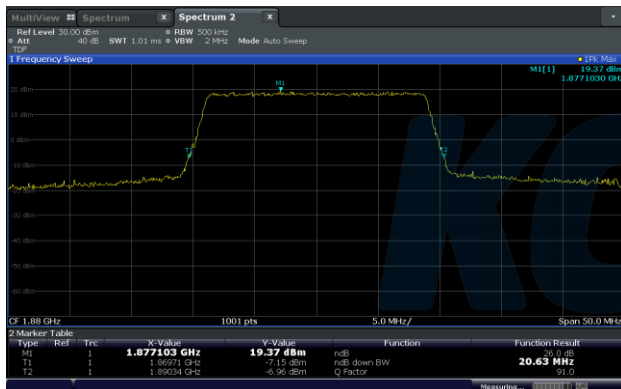
## 20M BW / QPSK / Low ch.



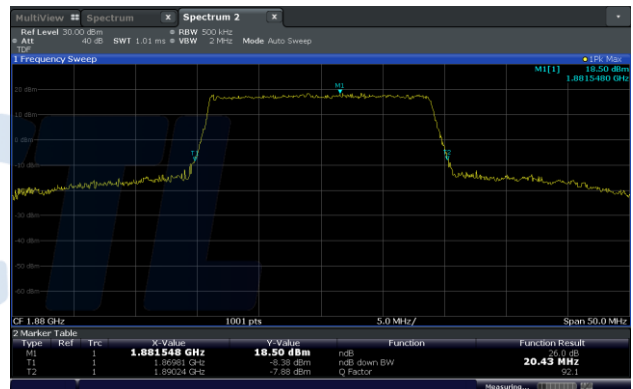
## 20M BW / 16QAM / Low ch.



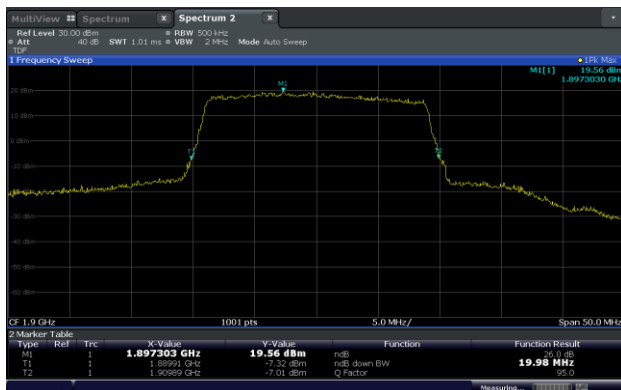
## 20M BW / QPSK / Mid ch.



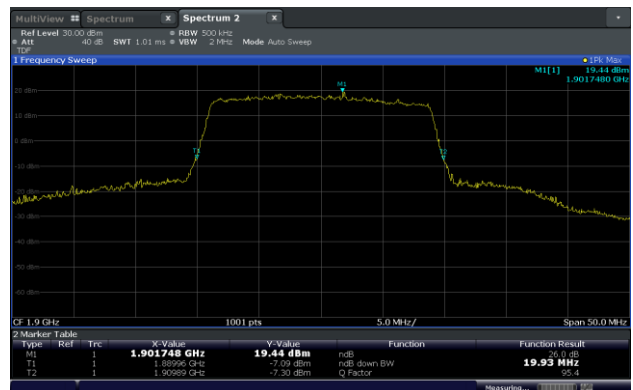
## 20M BW / 16QAM / Mid ch.



## 20M BW / QPSK / High ch.



## 20M BW / 16QAM / High ch.



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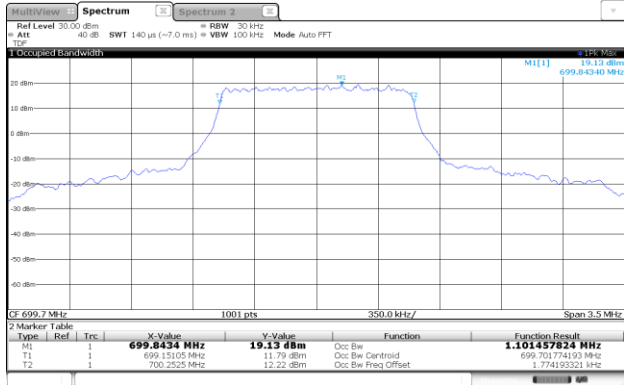
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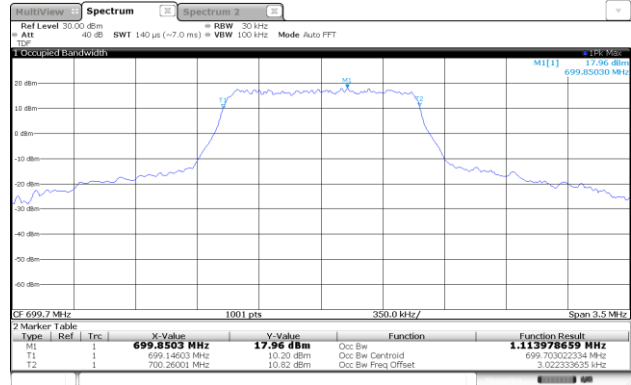
## 99% Occupied Bandwidth

### Test mode: LTE Band12

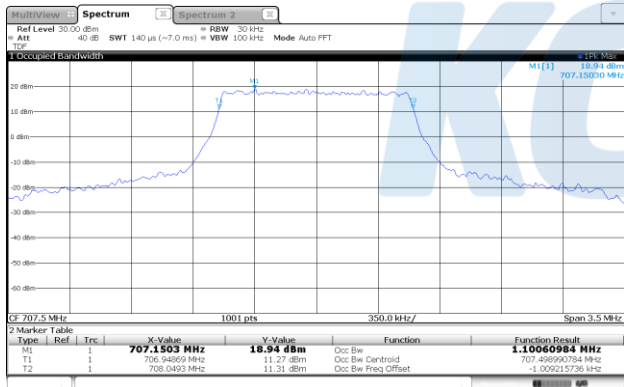
#### 1.4M BW / QPSK / Low ch.



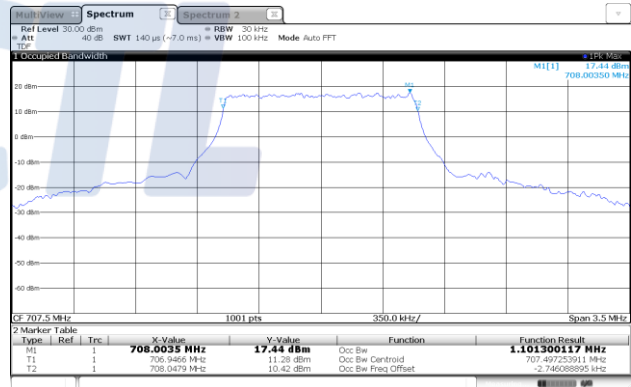
#### 1.4M BW / 16QAM / Low ch.



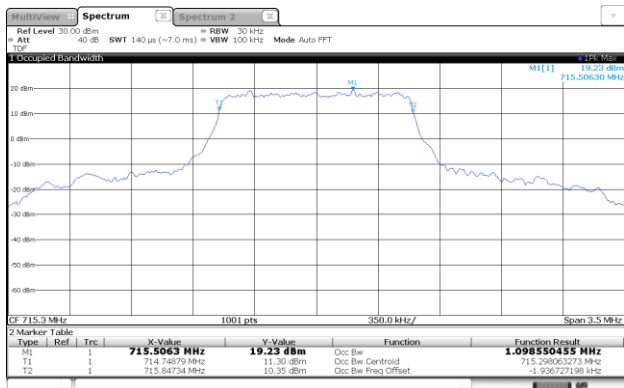
#### 1.4M BW / QPSK / Mid ch.



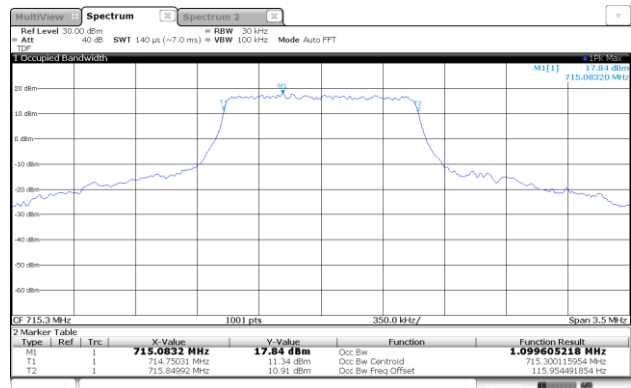
#### 1.4M BW / 16QAM / Mid ch.



#### 1.4M BW / QPSK / High ch.



#### 1.4M BW / 16QAM / High ch.



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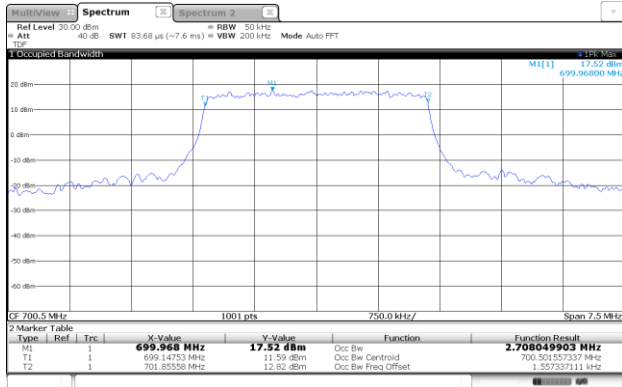
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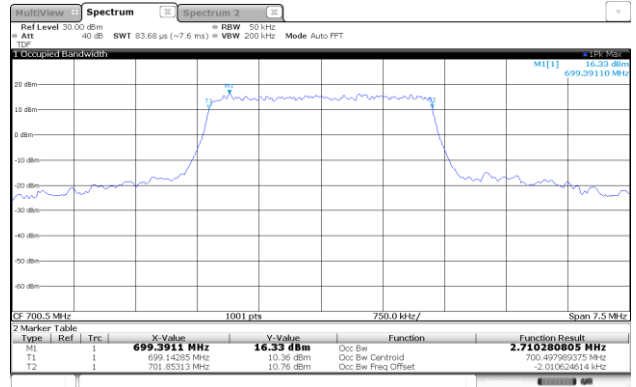
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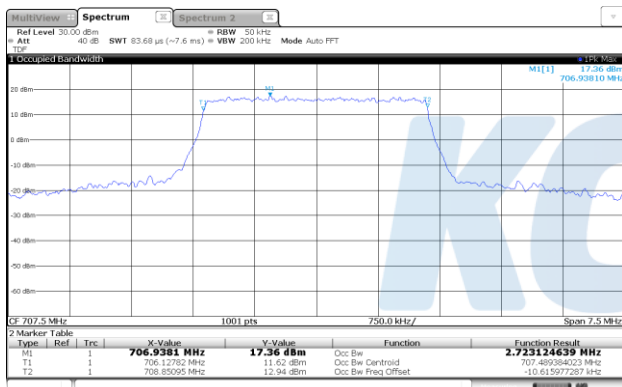
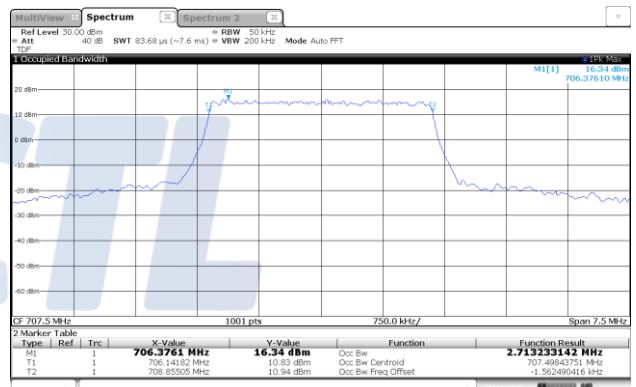
## 3M BW / QPSK / Low ch.



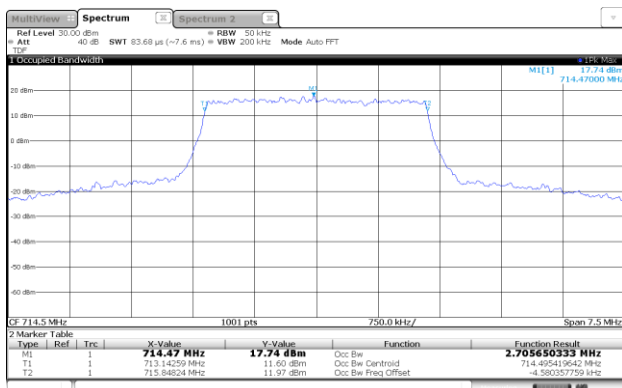
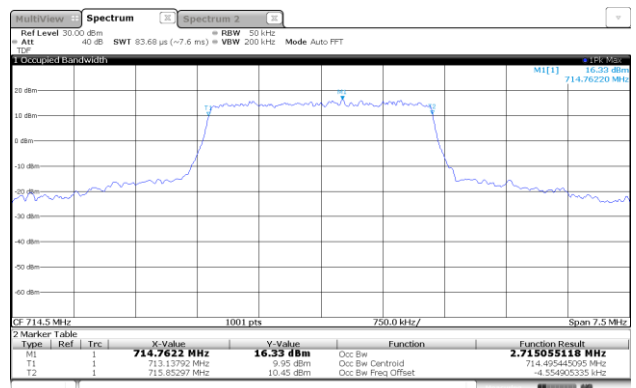
## 3M BW / 16QAM / Low ch.



## 3M BW / QPSK / Mid ch.



## 3M BW / QPSK / High ch.



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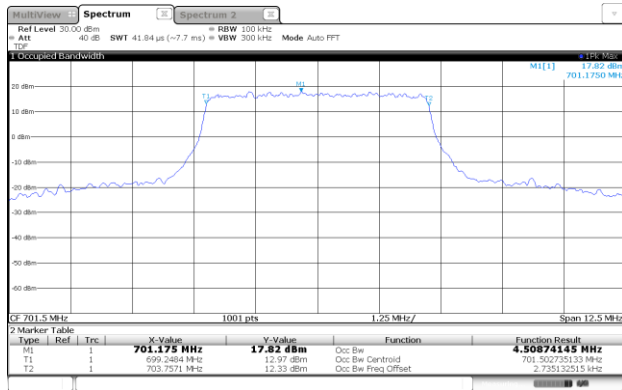
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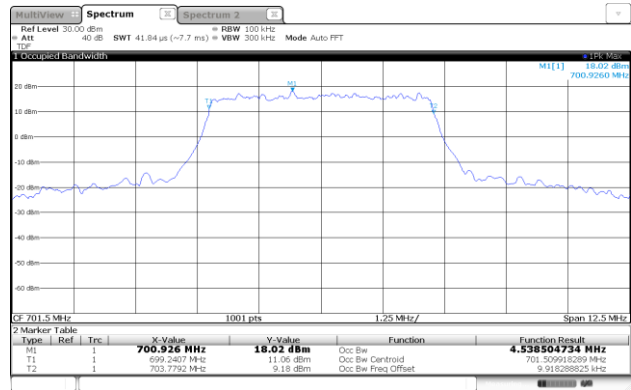


## Test mode: LTE Band12/17

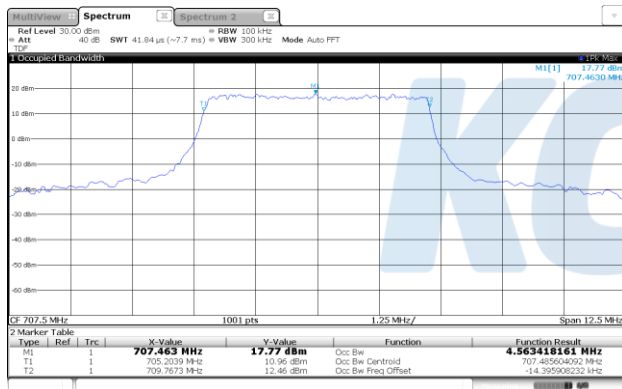
### 5M BW / QPSK / Low ch.



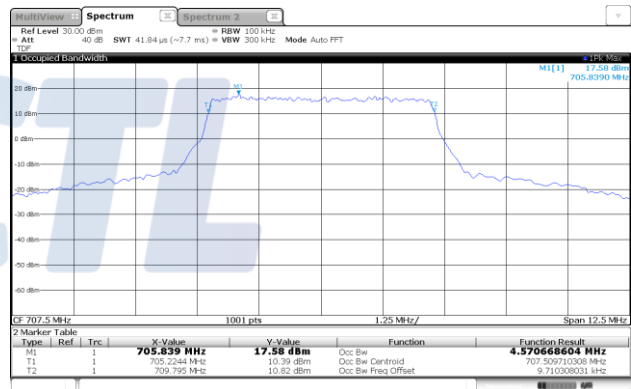
### 5M BW / 16QAM / Low ch.



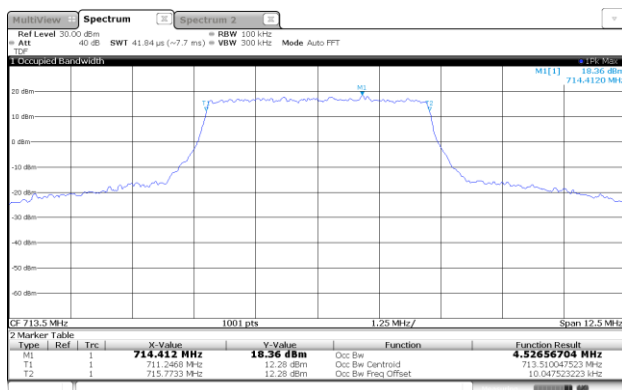
### 5M BW / QPSK / Mid ch.



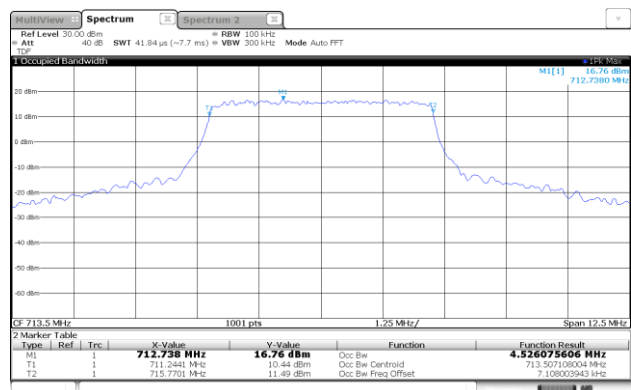
### 5M BW / 16QAM / Mid ch.



### 5M BW / QPSK / High ch.



### 5M BW / 16QAM / High ch.



# KCTL Inc.

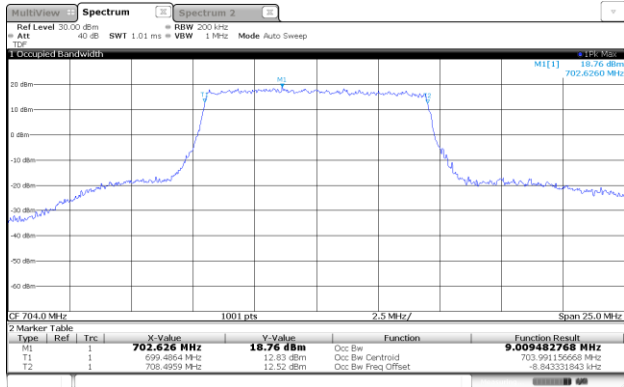
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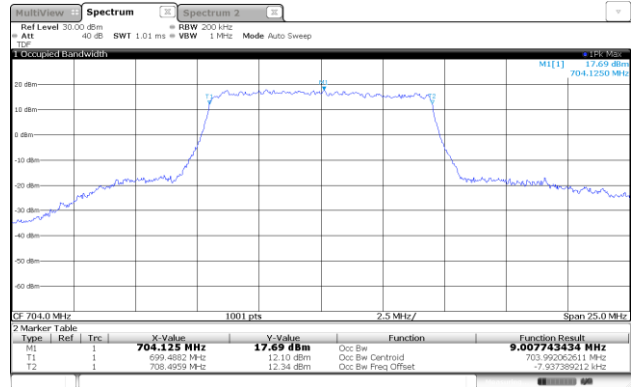
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# KCTL

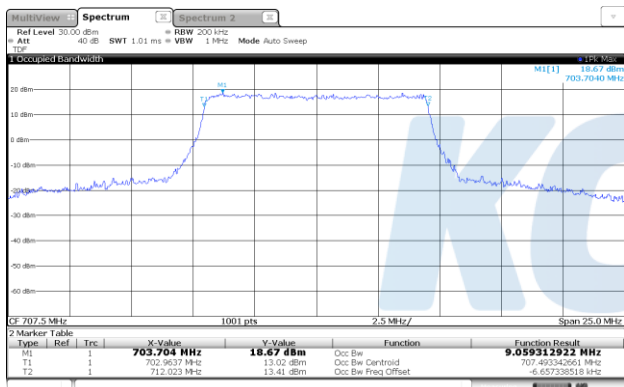
## 10M BW / QPSK / Low ch.



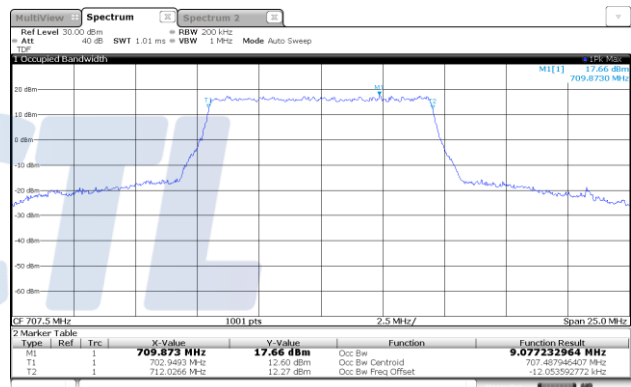
## 10M BW / 16QAM / Low ch.



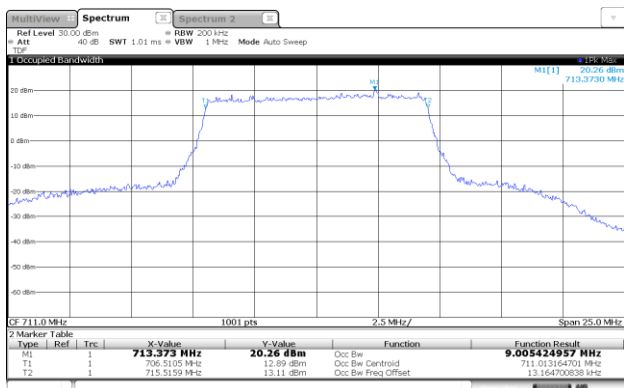
## 10M BW / QPSK / Mid ch.



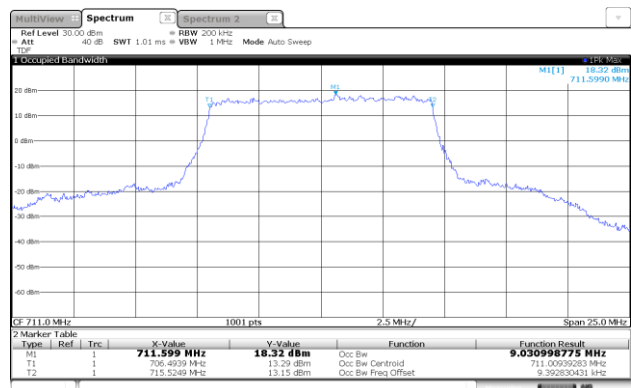
## 10M BW / 16QAM / Mid ch.



## 10M BW / QPSK / High ch.



## 10M BW / 16QAM / High ch.



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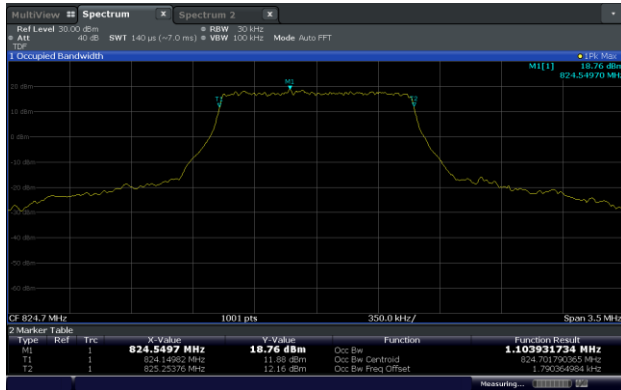
Report No.:  
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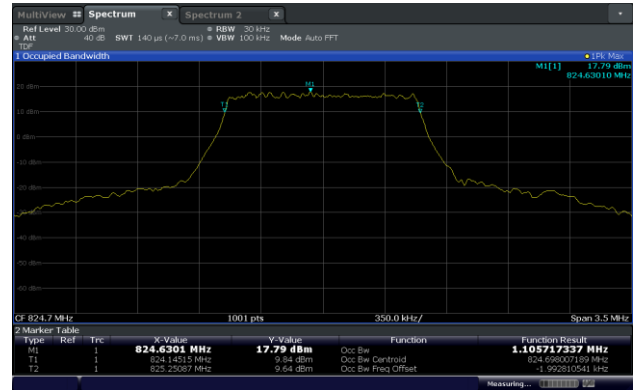


## Test mode: LTE Band5

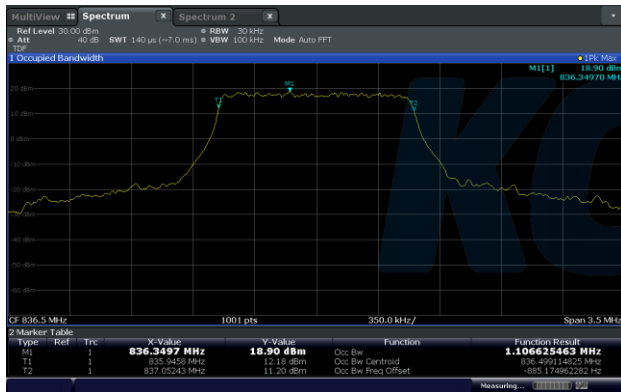
### 1.4M BW / QPSK / Low ch.



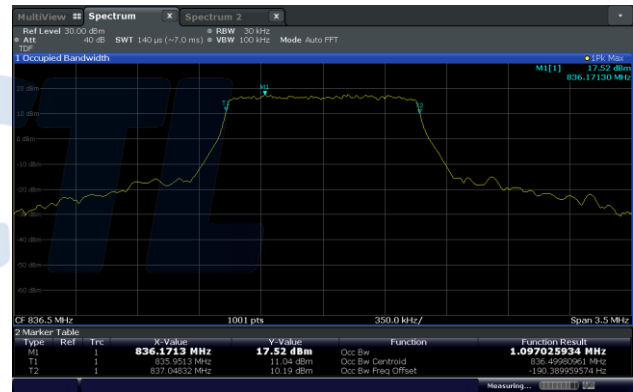
### 1.4M BW / 16QAM / Low ch.



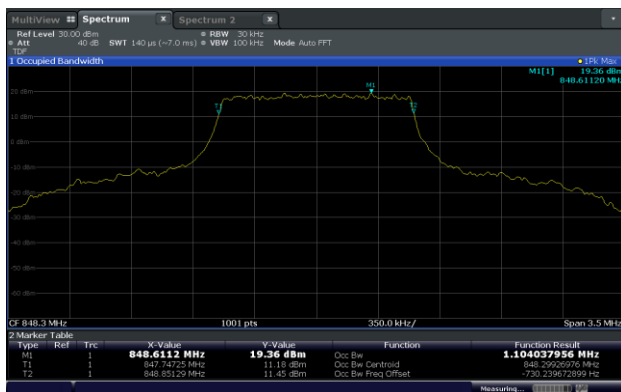
### 1.4M BW / QPSK / Mid ch.



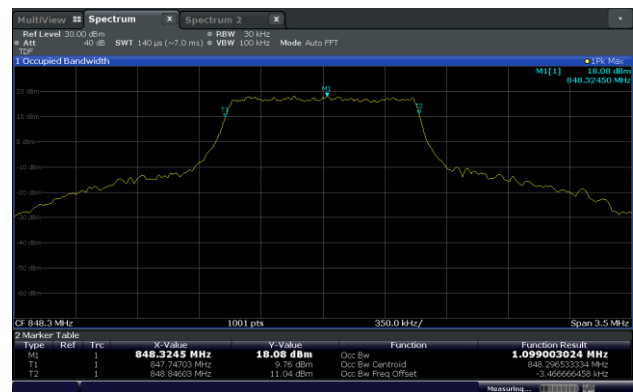
### 1.4M BW / 16QAM / Mid ch.



### 1.4M BW / QPSK / High ch.



### 1.4M BW / 16QAM / High ch.



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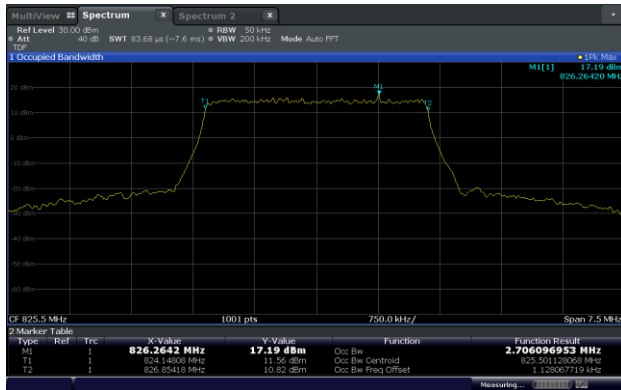
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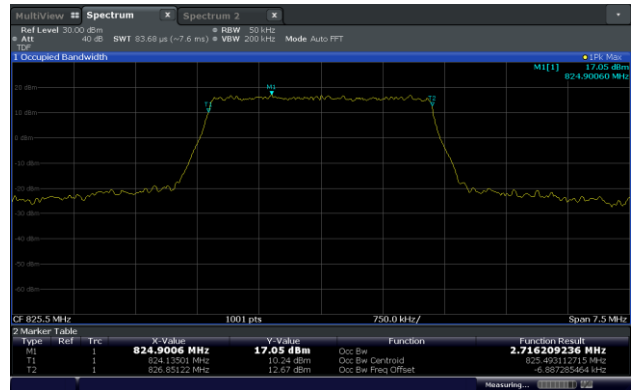
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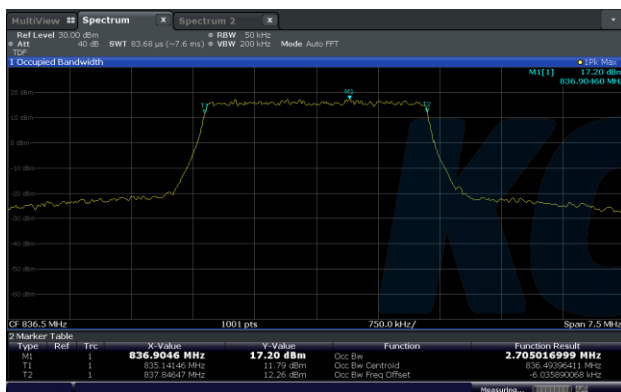
## 3M BW / QPSK / Low ch.



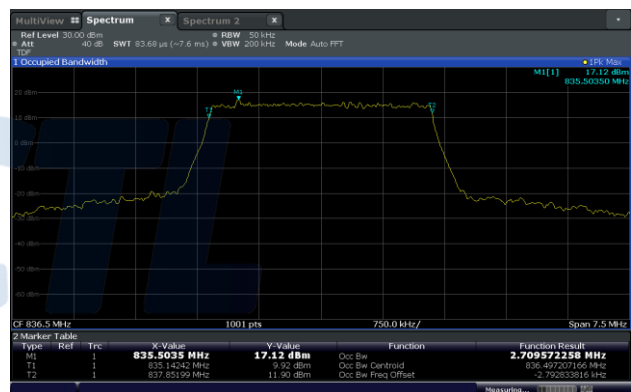
## 3M BW / 16QAM / Low ch.



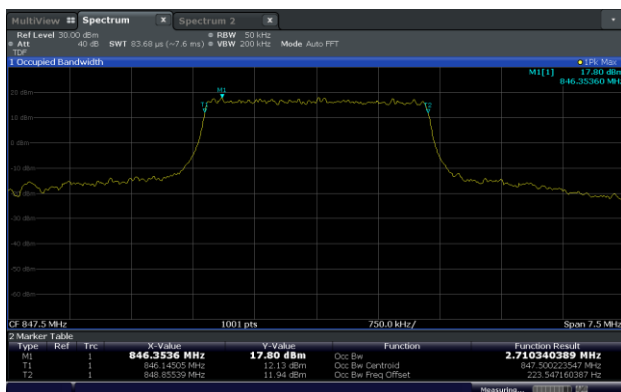
## 3M BW / QPSK / Mid ch.



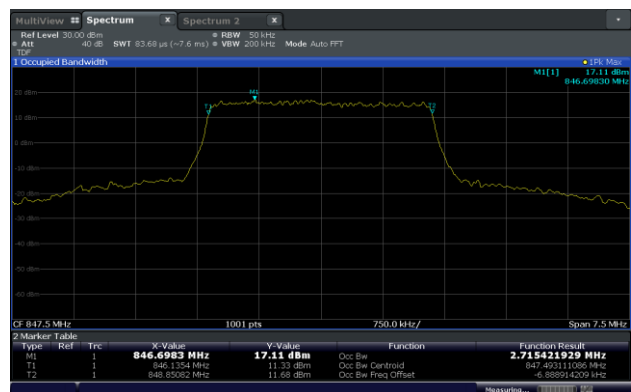
## 3M BW / 16QAM / Mid ch.



## 3M BW / QPSK / High ch.



## 3M BW / 16QAM / High ch.



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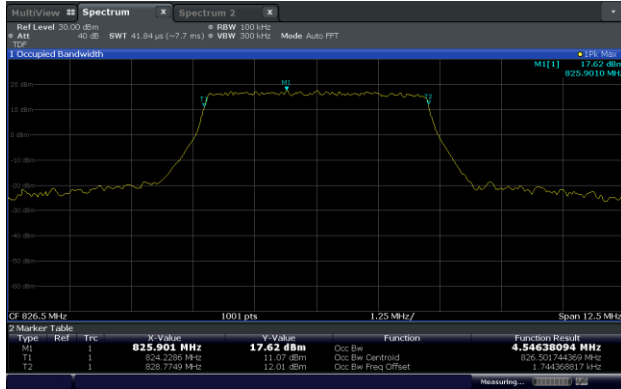
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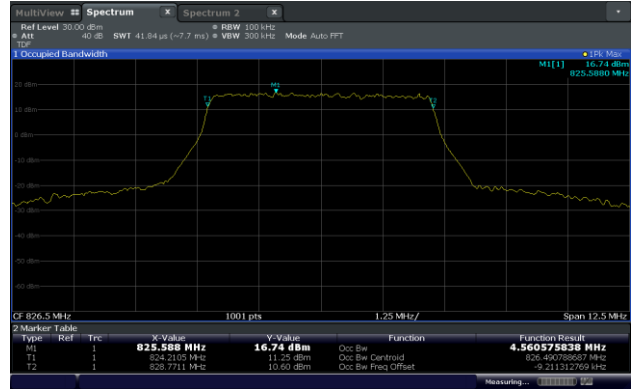
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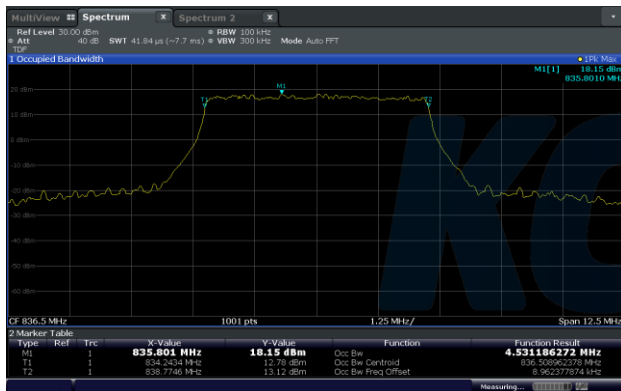
## 5M BW / QPSK / Low ch.



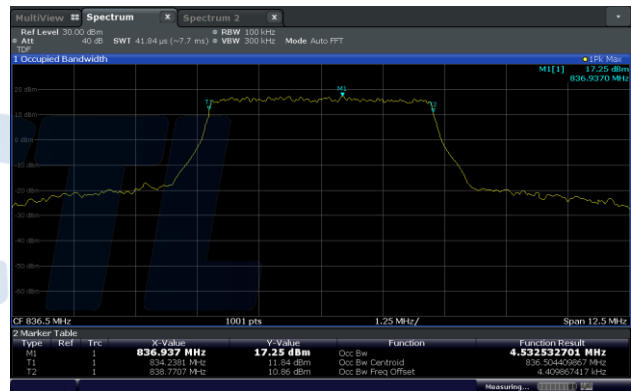
## 5M BW / 16QAM / Low ch.



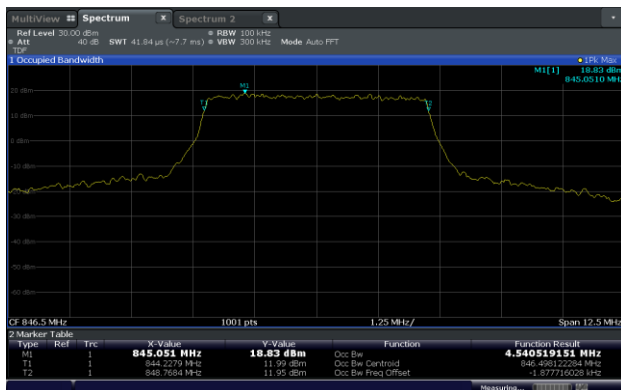
## 5M BW / QPSK / Mid ch.



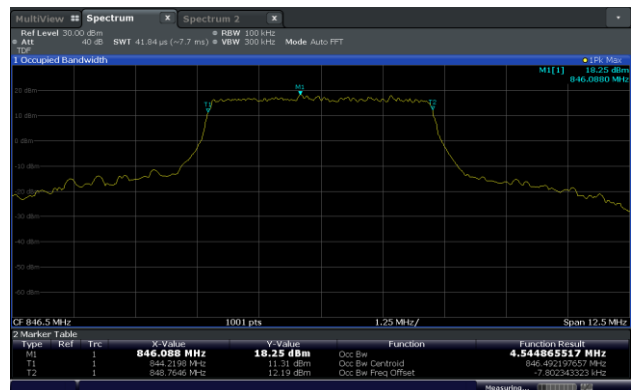
## 5M BW / 16QAM / Mid ch.



## 5M BW / QPSK / High ch.



## 5M BW / 16QAM / High ch.



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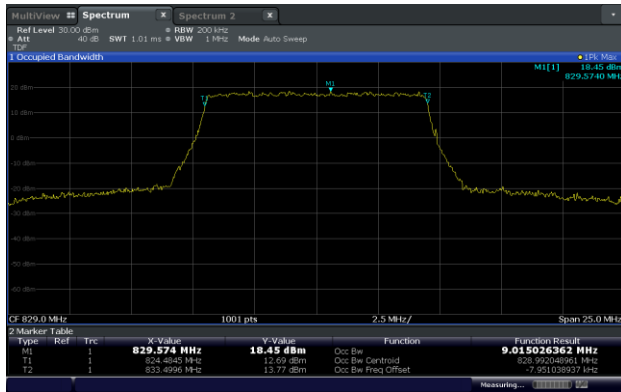
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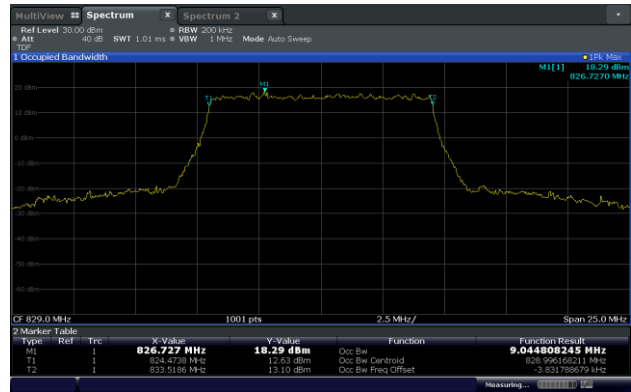
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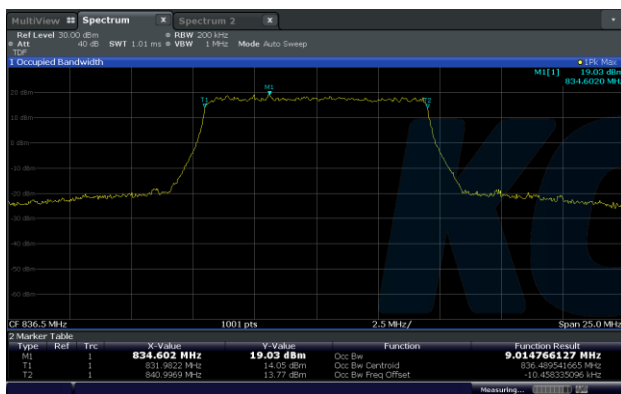
## 10M BW / QPSK / Low ch.



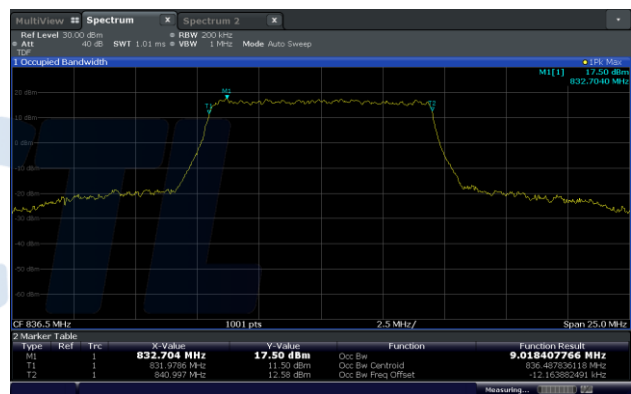
## 10M BW / 16QAM / Low ch.



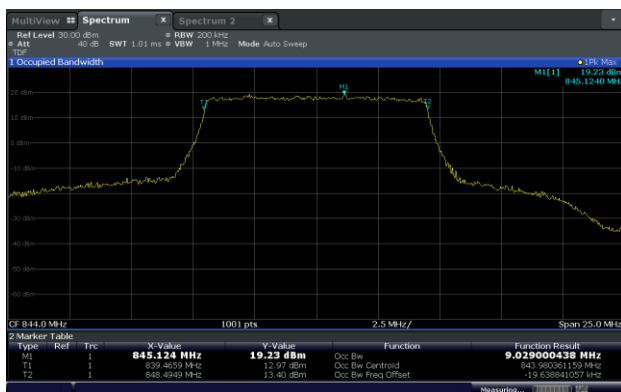
## 10M BW / QPSK / Mid ch.



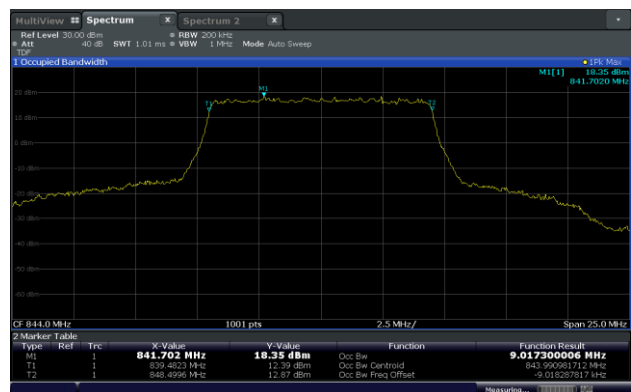
## 10M BW / 16QAM / Mid ch.

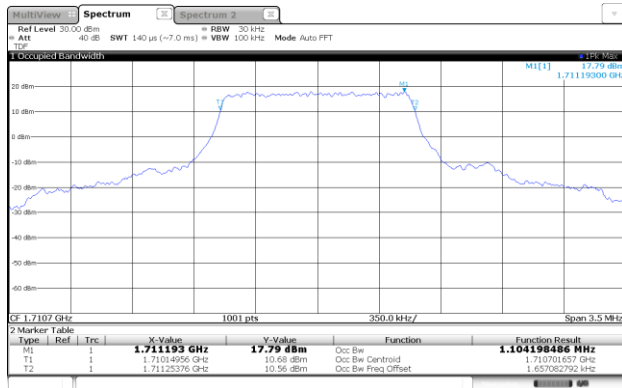
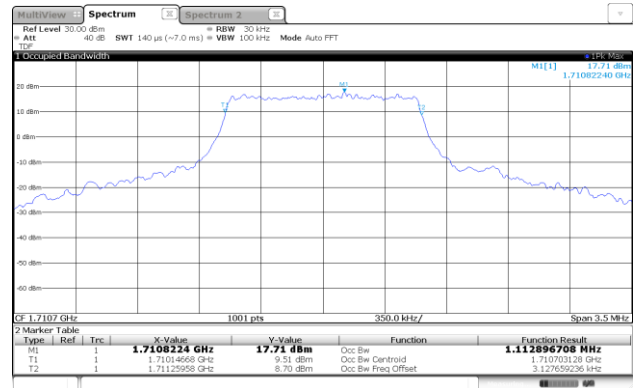
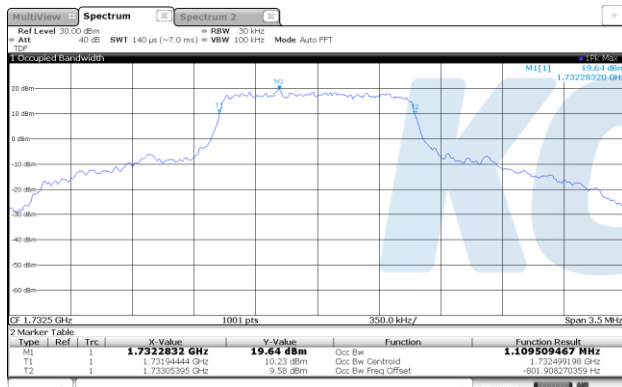
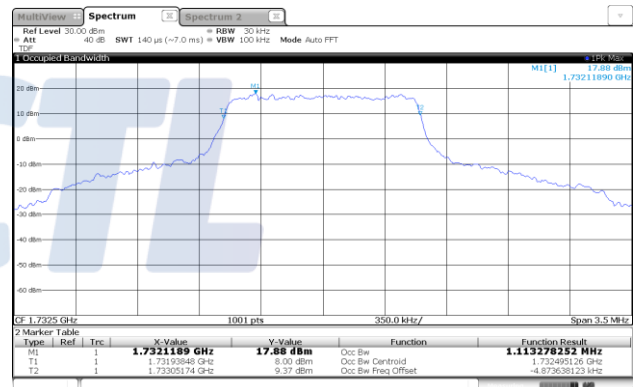
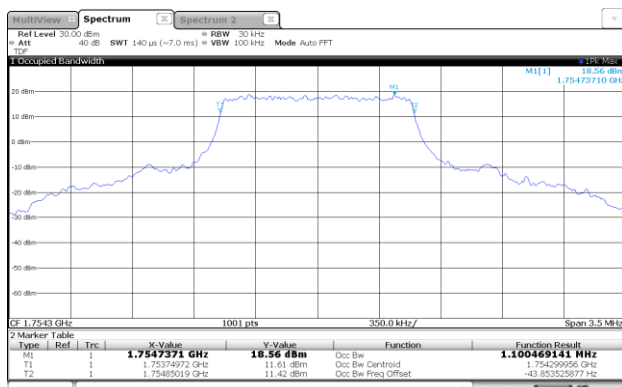
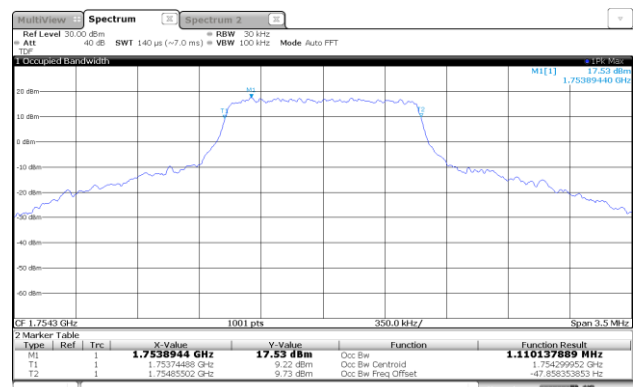


## 10M BW / QPSK / High ch.



## 10M BW / 16QAM / High ch.



**Test mode: LTE Band4****1.4M BW / QPSK / Low ch.****1.4M BW / 16QAM / Low ch.****1.4M BW / QPSK / Mid ch.****1.4M BW / 16QAM / Mid ch.****1.4M BW / QPSK / High ch.****1.4M BW / 16QAM / High ch.**

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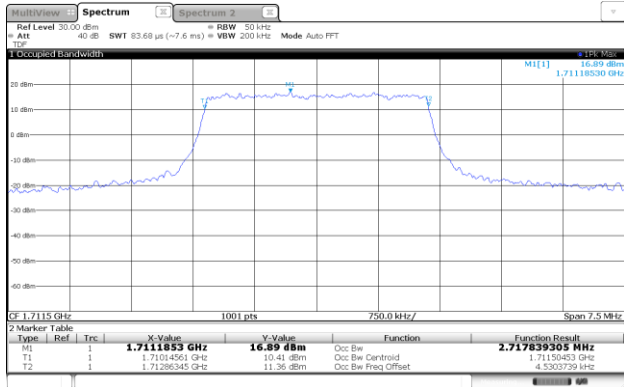
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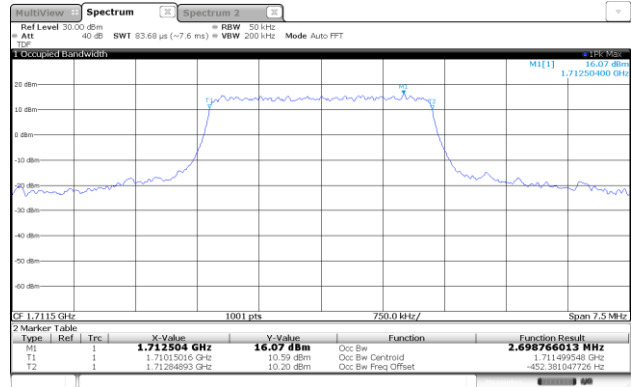
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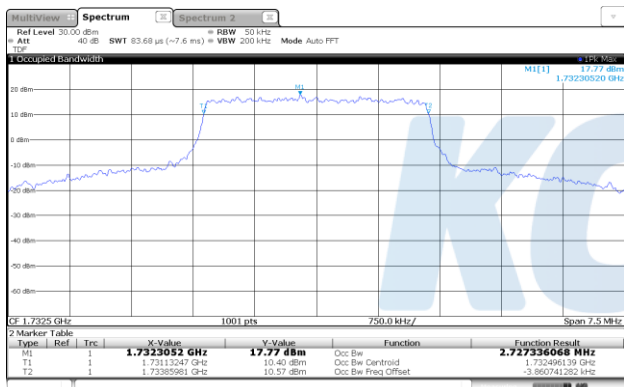
## 3M BW / QPSK / Low ch.



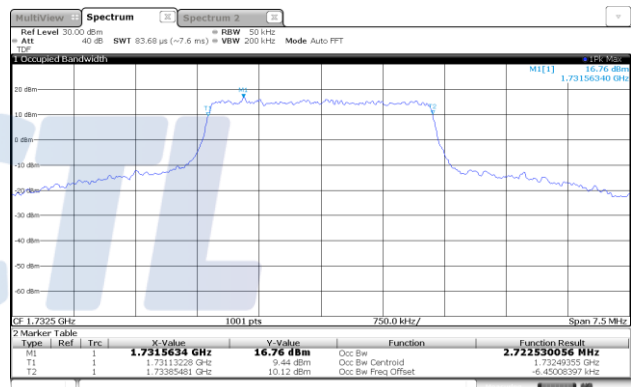
## 3M BW / 16QAM / Low ch.



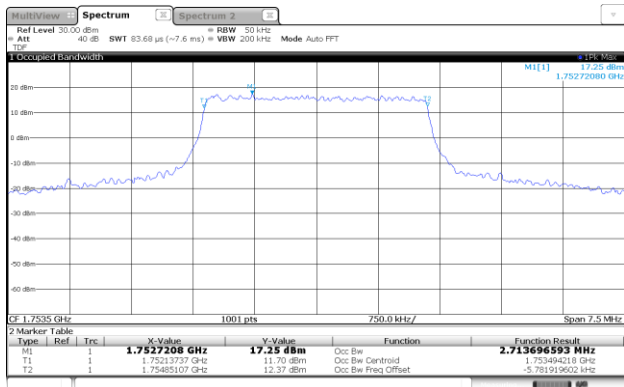
## 3M BW / QPSK / Mid ch.



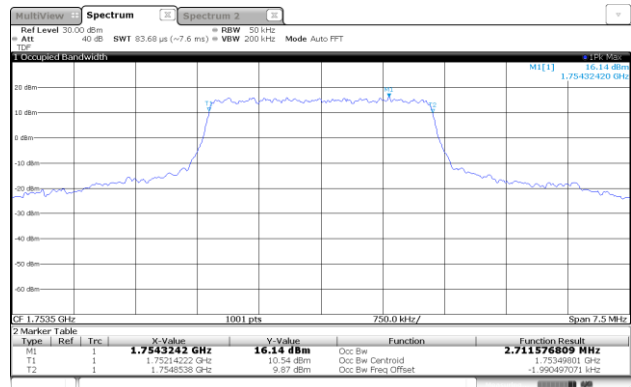
## 3M BW / 16QAM / Mid ch.



## 3M BW / QPSK / High ch.



## 3M BW / 16QAM / High ch.



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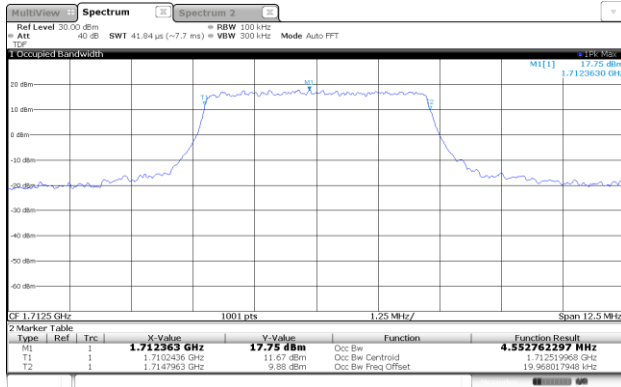
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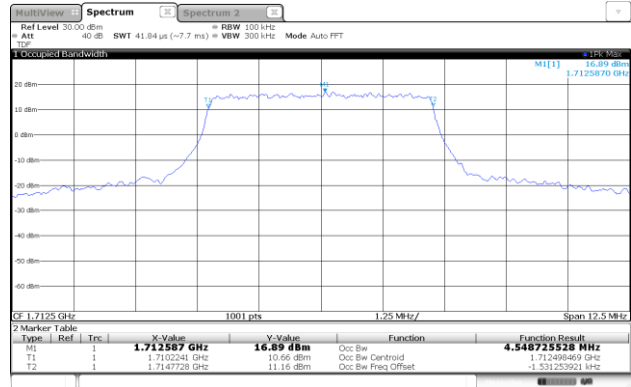
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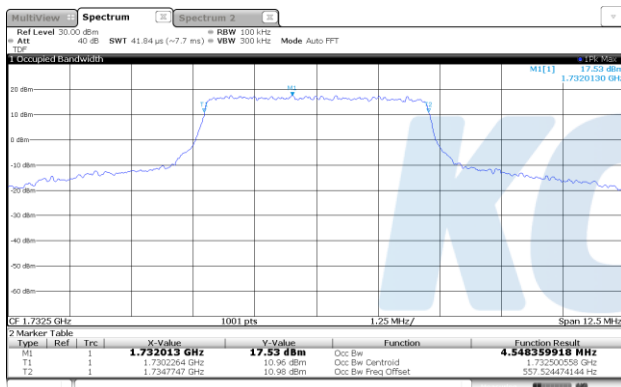
## 5M BW / QPSK / Low ch.



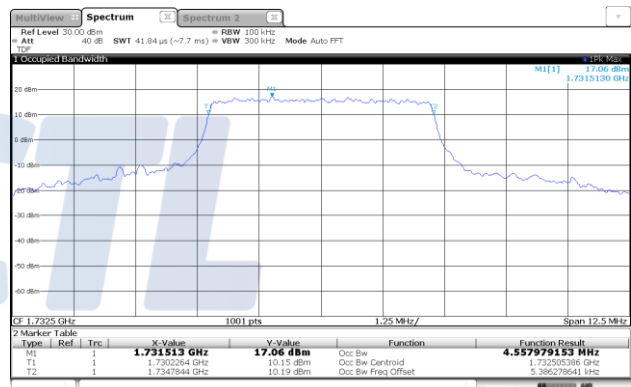
## 5M BW / 16QAM / Low ch.



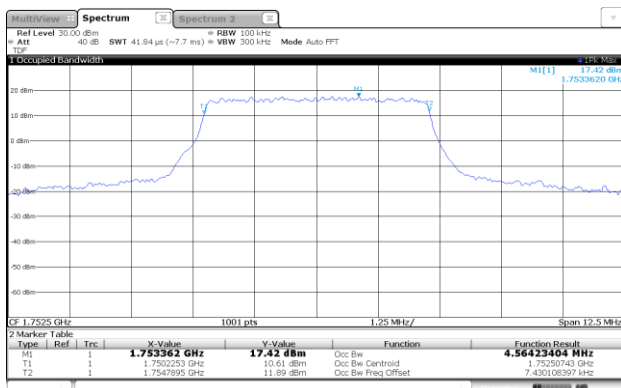
## 5M BW / QPSK / Mid ch.



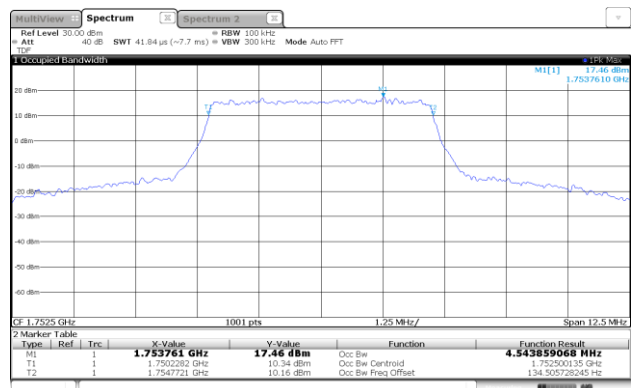
## 5M BW / 16QAM / Mid ch.



## 5M BW / QPSK / High ch.



## 5M BW / 16QAM / High ch.



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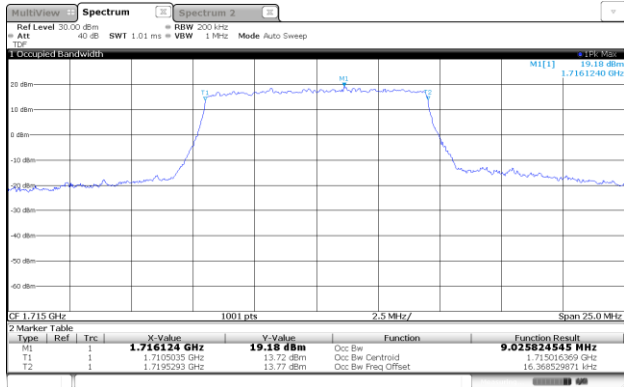
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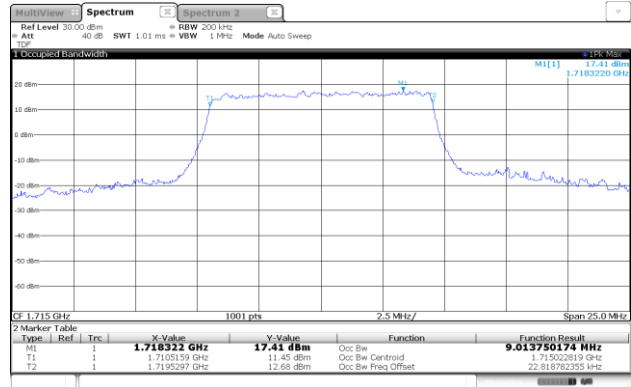
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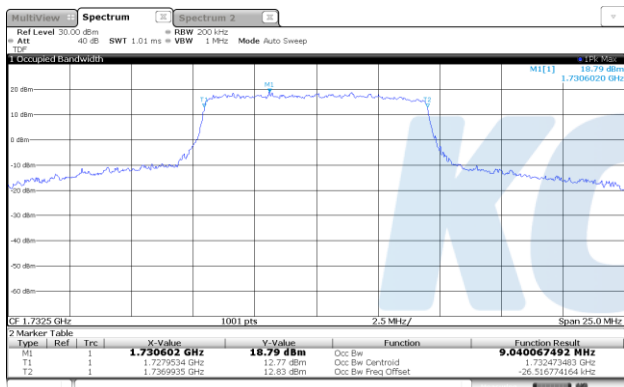
## 10M BW / QPSK / Low ch.



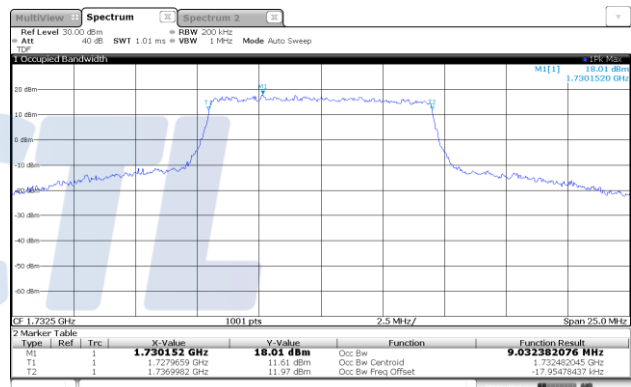
## 10M BW / 16QAM / Low ch.



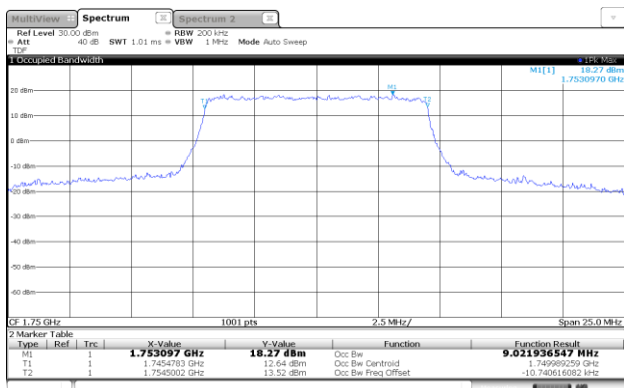
## 10M BW / QPSK / Mid ch.



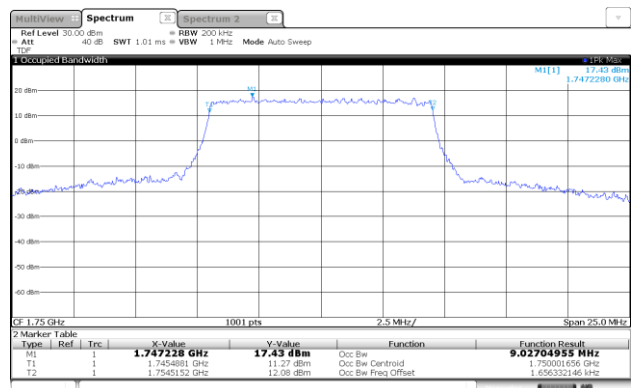
## 10M BW / 16QAM / Mid ch.



## 10M BW / QPSK / High ch.



## 10M BW / 16QAM / High ch.



# KCTL Inc.

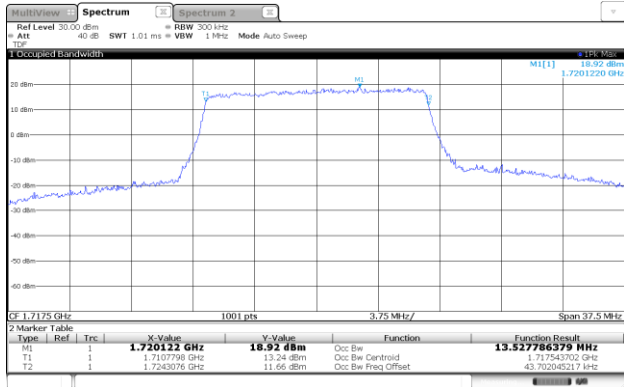
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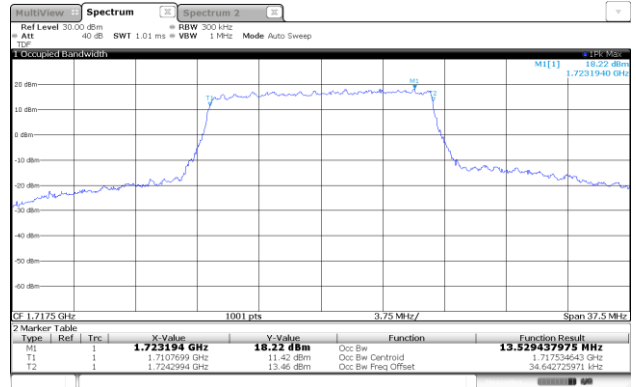
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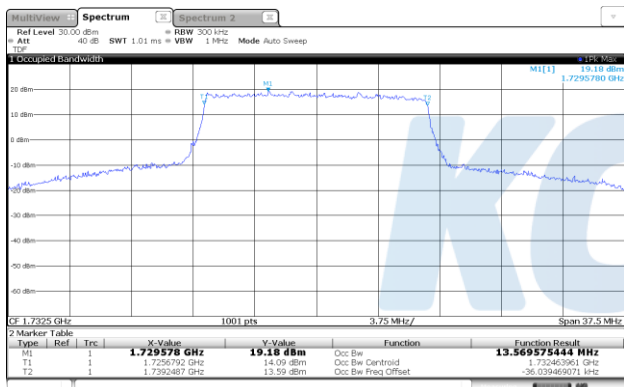
## 15M BW / QPSK / Low ch.



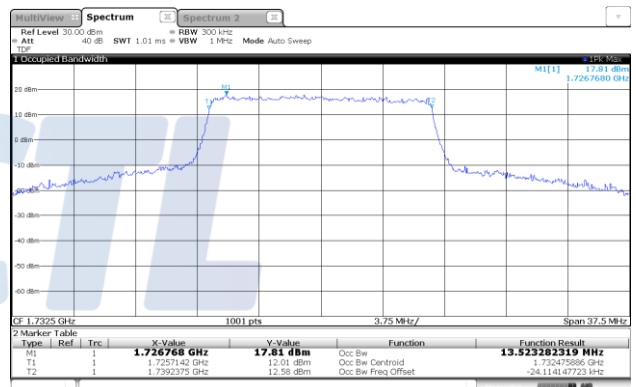
## 15M BW / 16QAM / Low ch.



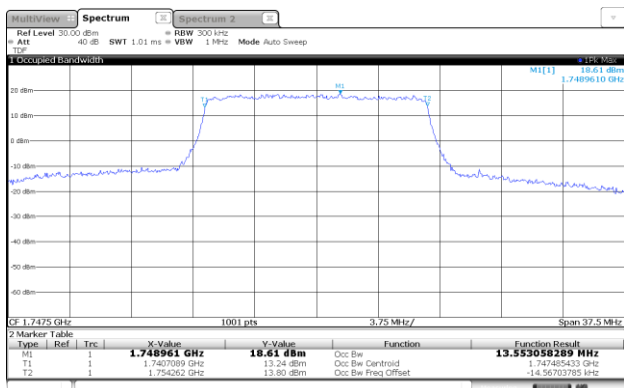
## 15M BW / QPSK / Mid ch.



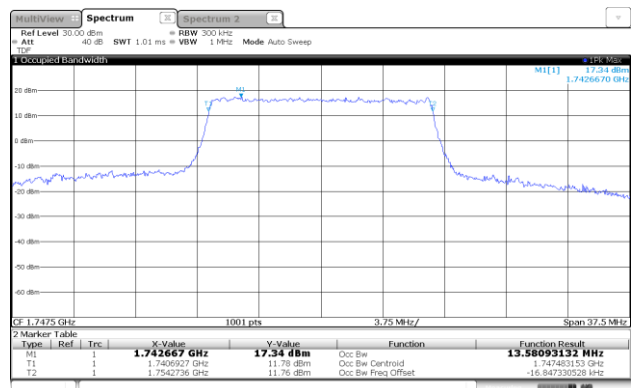
## 15M BW / 16QAM / Mid ch.



## 15M BW / QPSK / High ch.



## 15M BW / 16QAM / High ch.



# KCTL Inc.

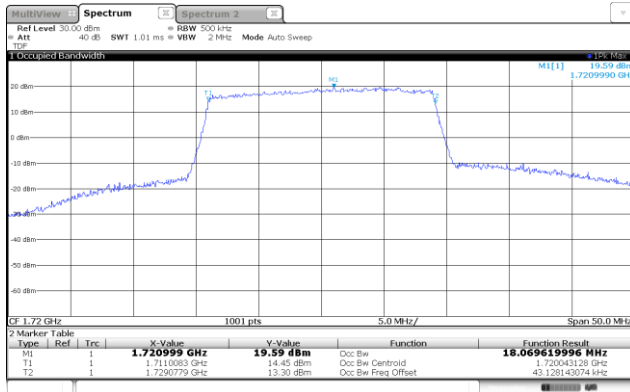
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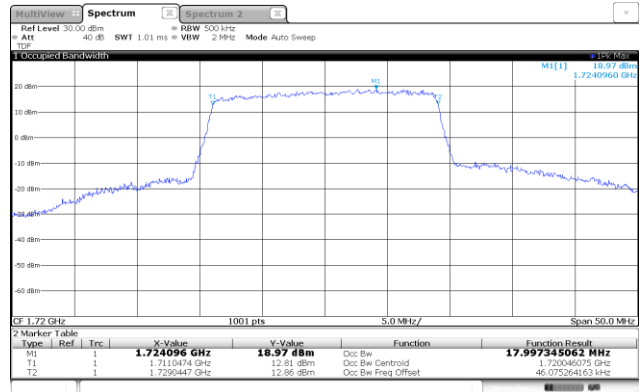
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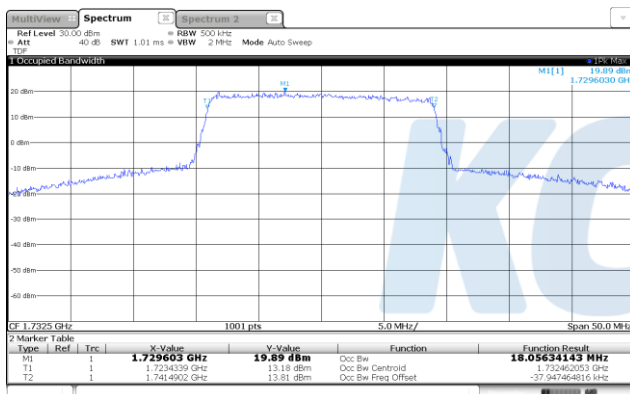
## 20M BW / QPSK / Low ch.



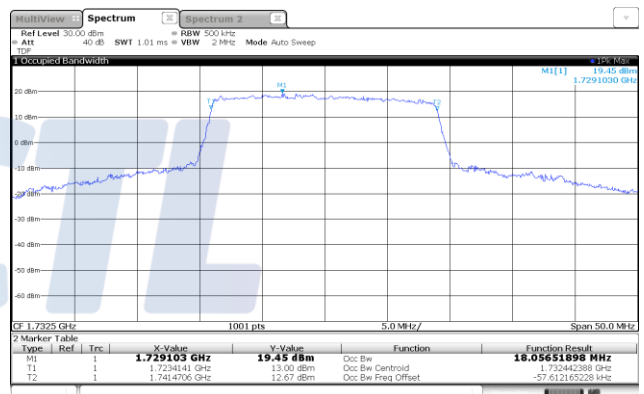
## 20M BW / 16QAM / Low ch.



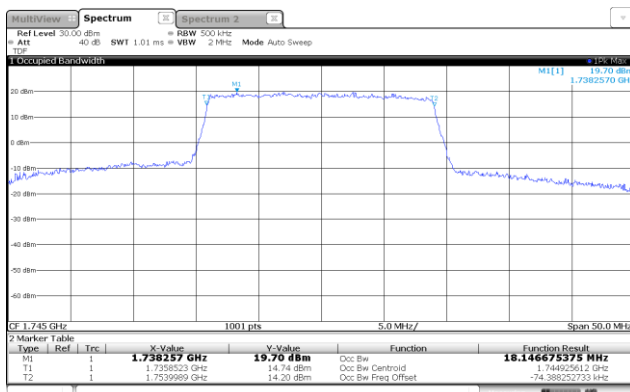
## 20M BW / QPSK / Mid ch.



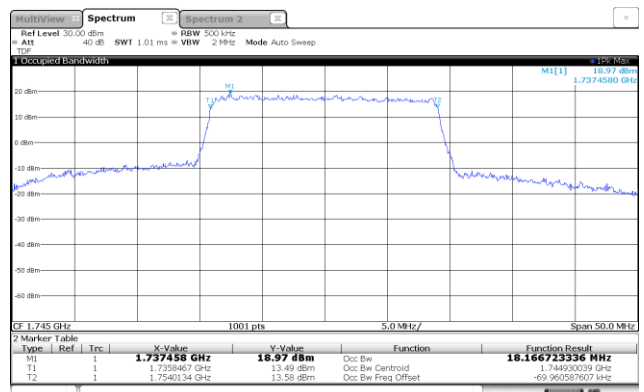
## 20M BW / 16QAM / Mid ch.



## 20M BW / QPSK / High ch.



## 20M BW / 16QAM / High ch.



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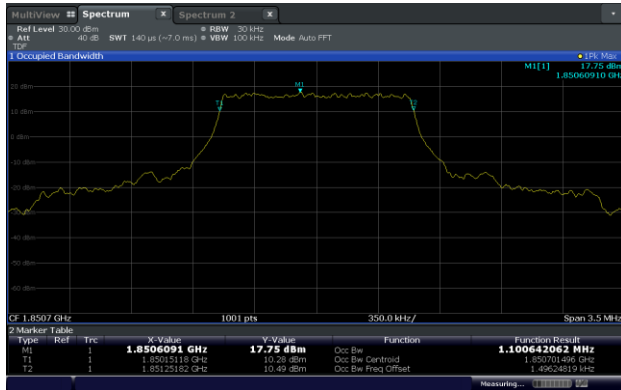
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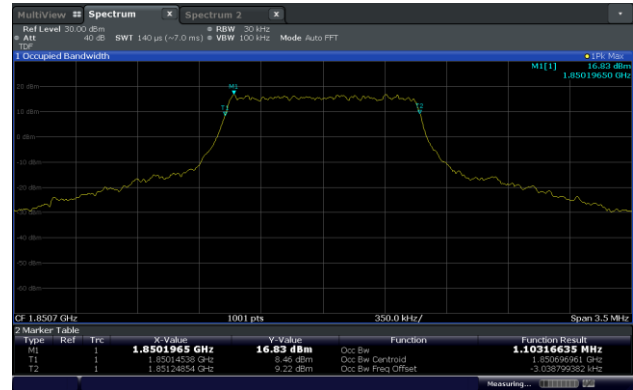


## Test mode: LTE Band2

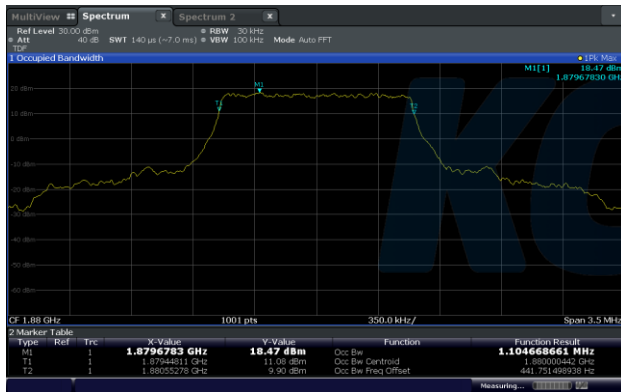
### 1.4M BW / QPSK / Low ch.



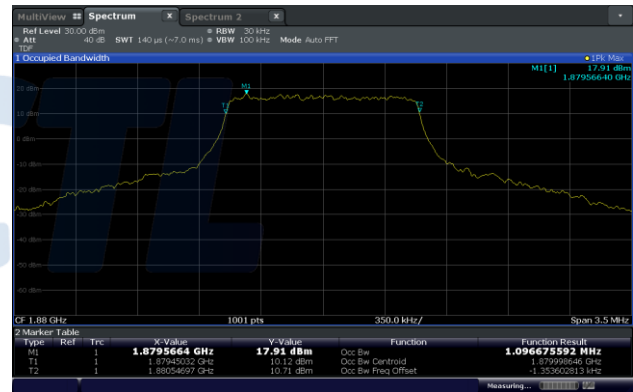
### 1.4M BW / 16QAM / Low ch.



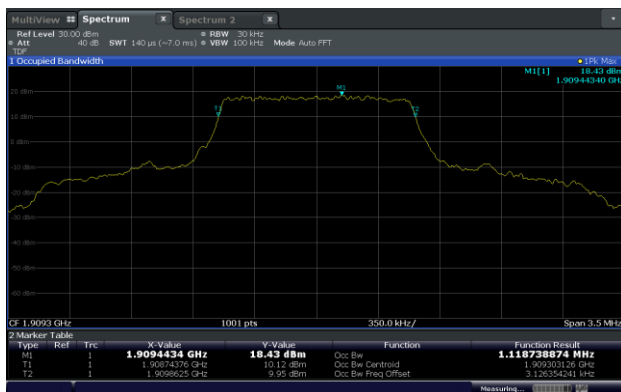
### 1.4M BW / QPSK / Mid ch.



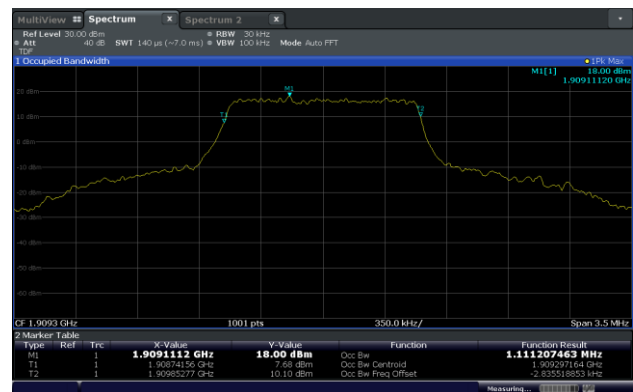
### 1.4M BW / 16QAM / Mid ch.



### 1.4M BW / QPSK / High ch.



### 1.4M BW / 16QAM / High ch.



# KCTL Inc.

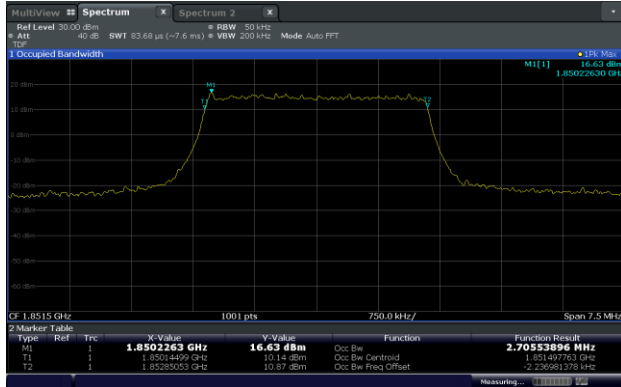
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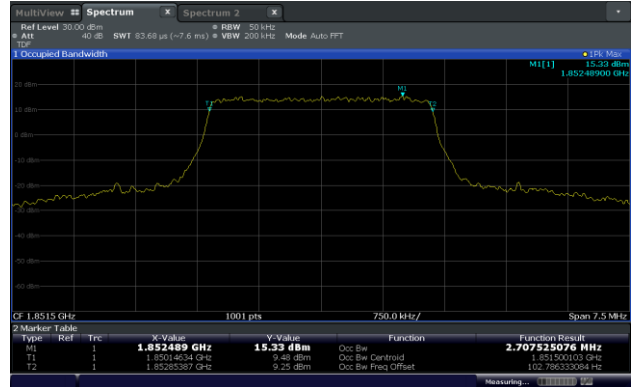
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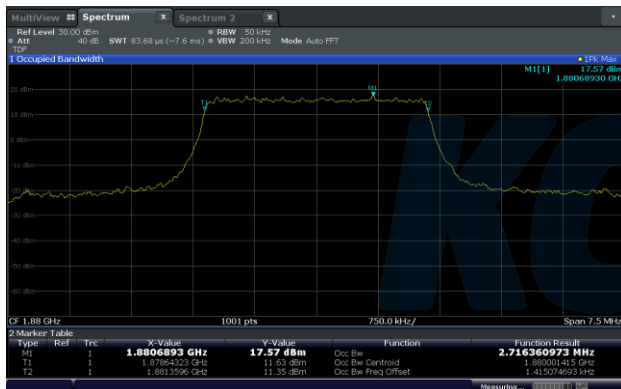
## 3M BW / QPSK / Low ch.



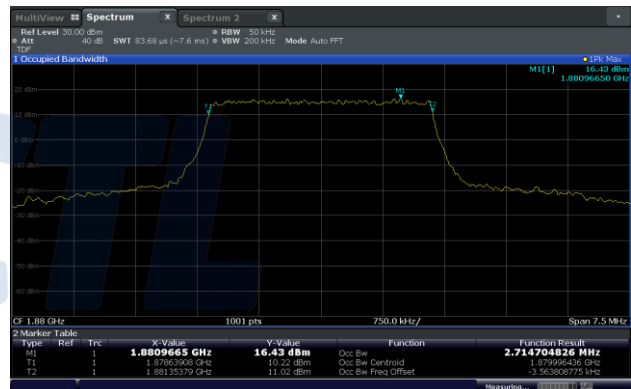
## 3M BW / 16QAM / Low ch.



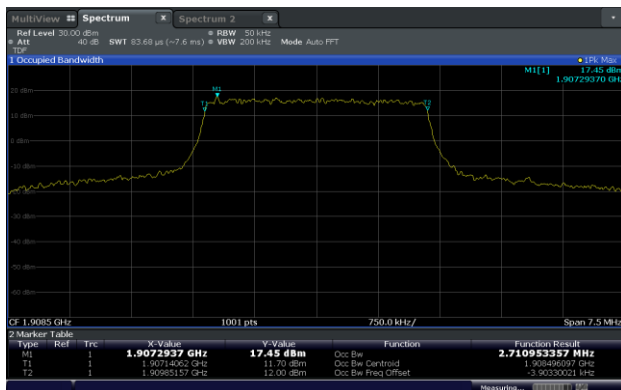
## 3M BW / QPSK / Mid ch.



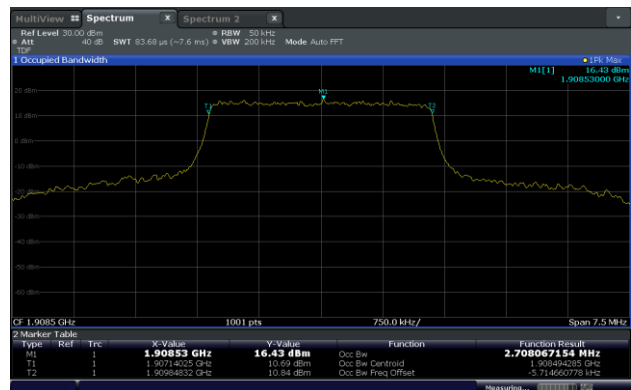
## 3M BW / 16QAM / Mid ch.



## 3M BW / QPSK / High ch.



## 3M BW / 16QAM / High ch.



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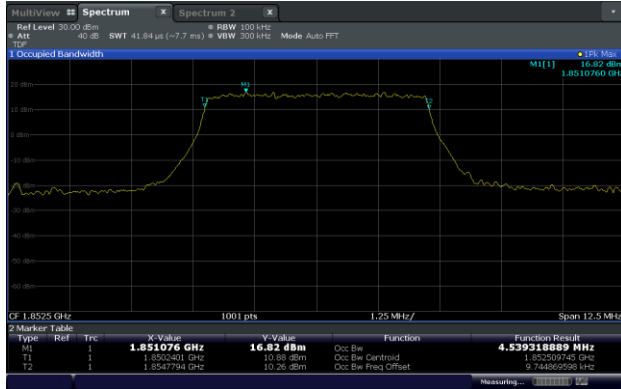
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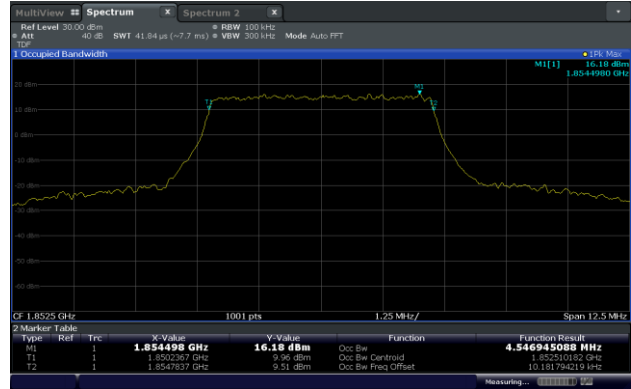
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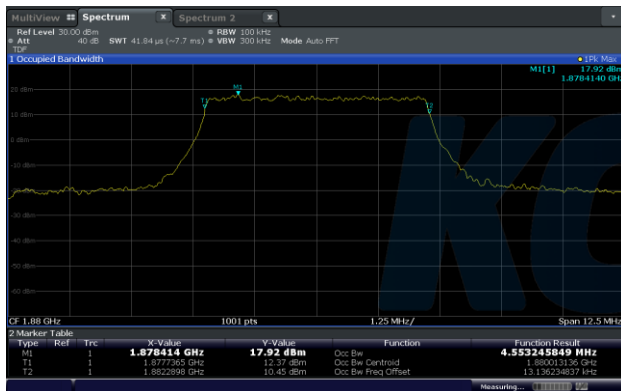
## 5M BW / QPSK / Low ch.



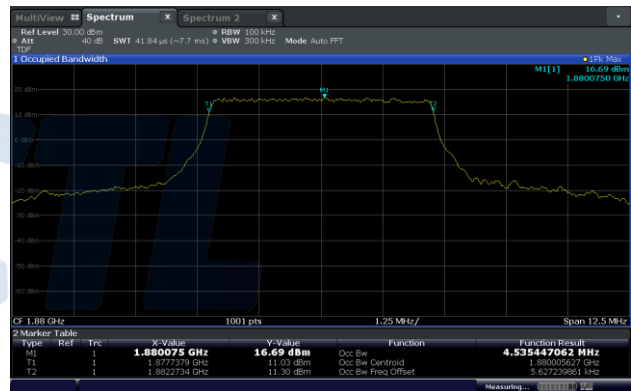
## 5M BW / 16QAM / Low ch.



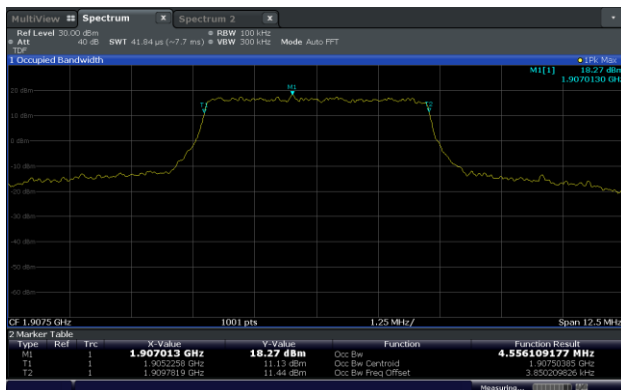
## 5M BW / QPSK / Mid ch.



## 5M BW / 16QAM / Mid ch.



## 5M BW / QPSK / High ch.



## 5M BW / 16QAM / High ch.

