

# KCTL Inc.

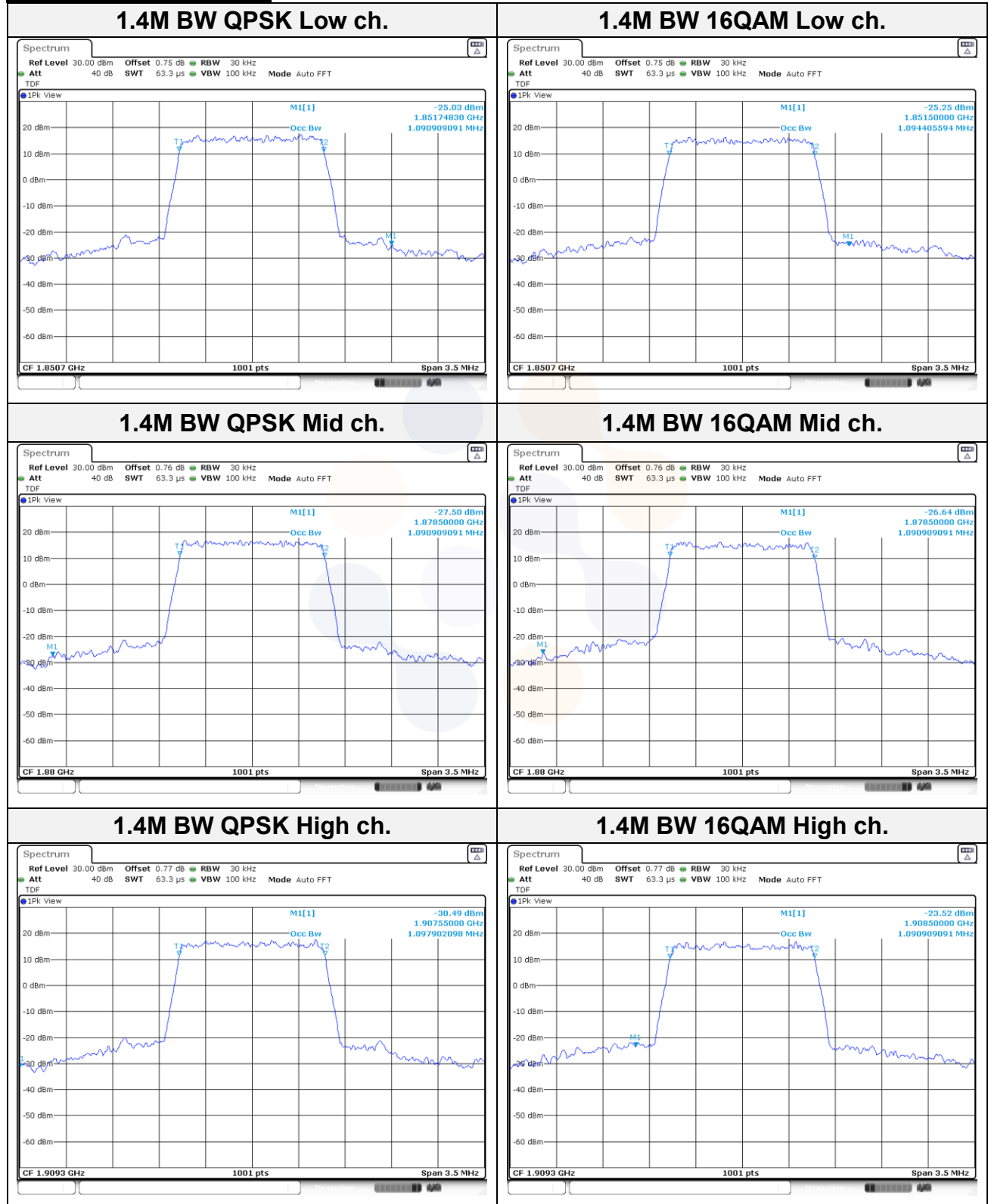
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR22-SRF0053-A  
Page (63) of (195)



## 99% Occupied Bandwidth

### Test mode: LTE Band 2



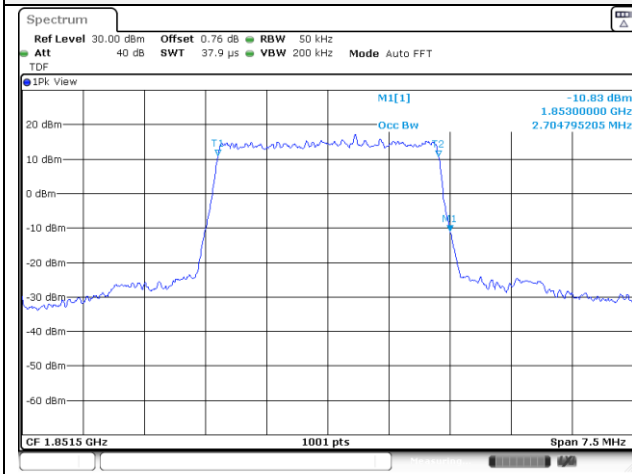
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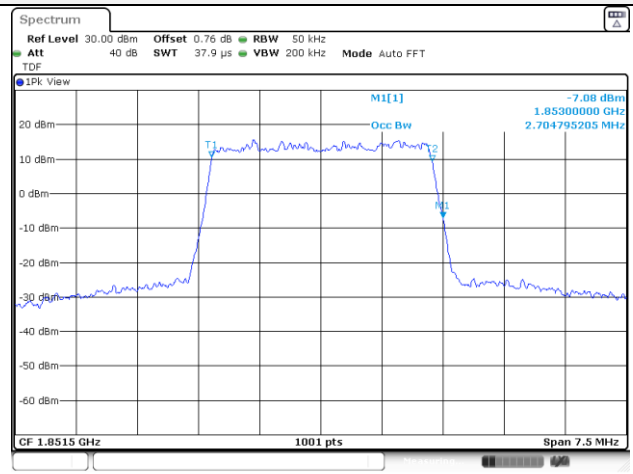
Report No.:  
KR22-SRF0053-A  
Page (64) of (195)



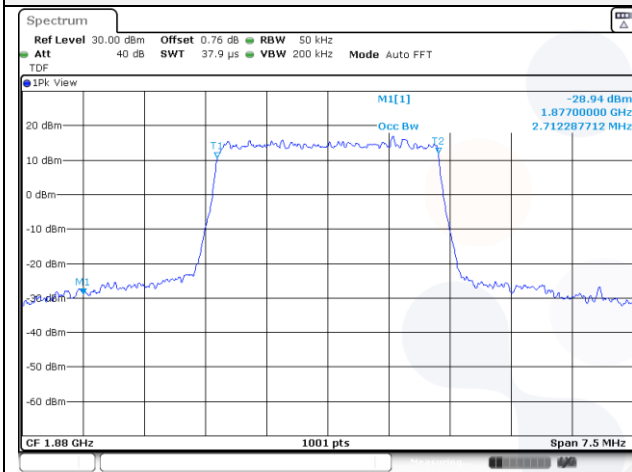
## 3M BW QPSK Low ch.



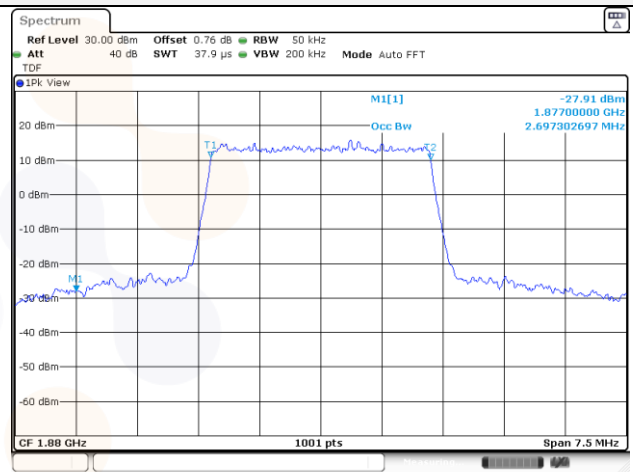
## 3M BW 16QAM Low ch.



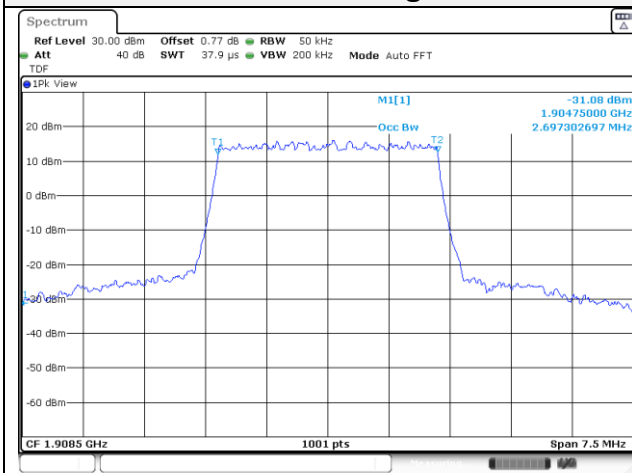
## 3M BW QPSK Mid ch.



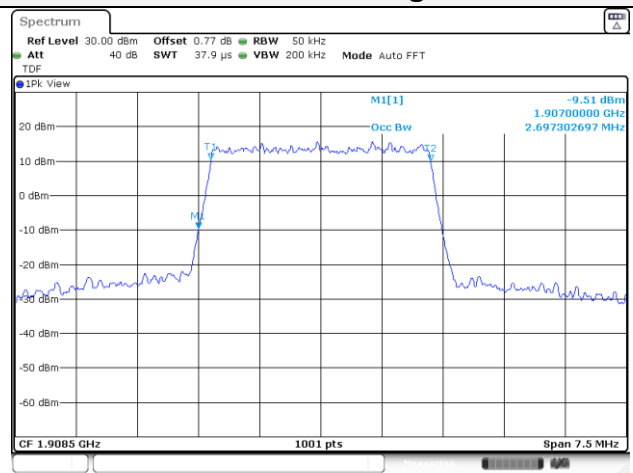
## 3M BW 16QAM Mid ch.



## 3M BW QPSK High ch.



## 3M BW 16QAM High ch.



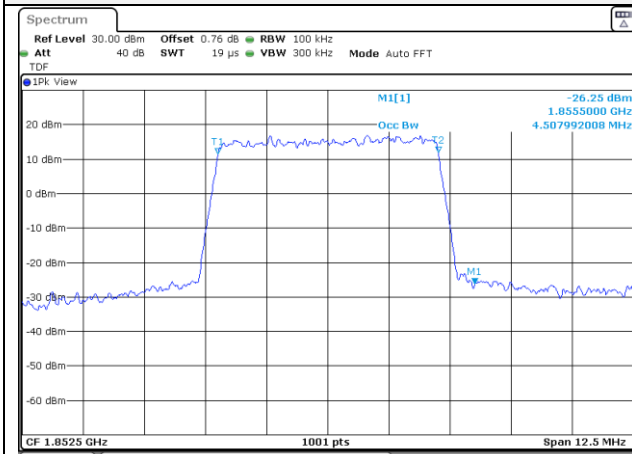
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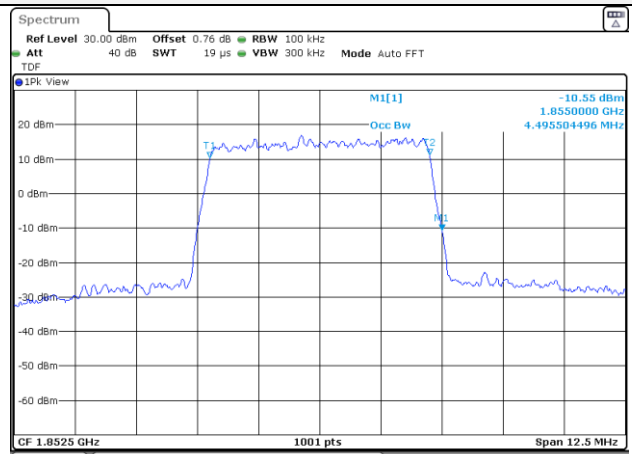
Report No.:  
KR22-SRF0053-A  
Page (65) of (195)



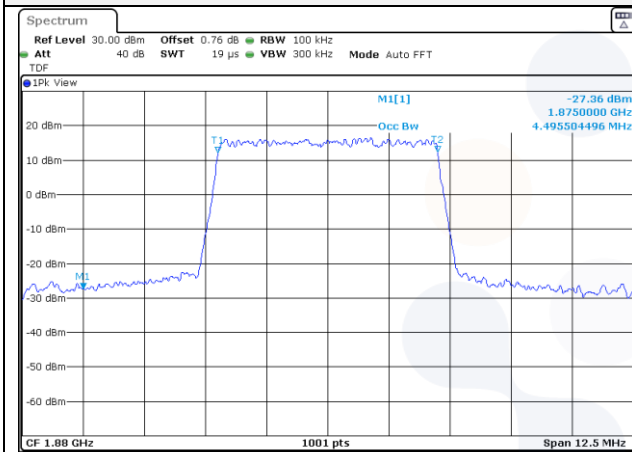
## 5M BW QPSK Low ch.



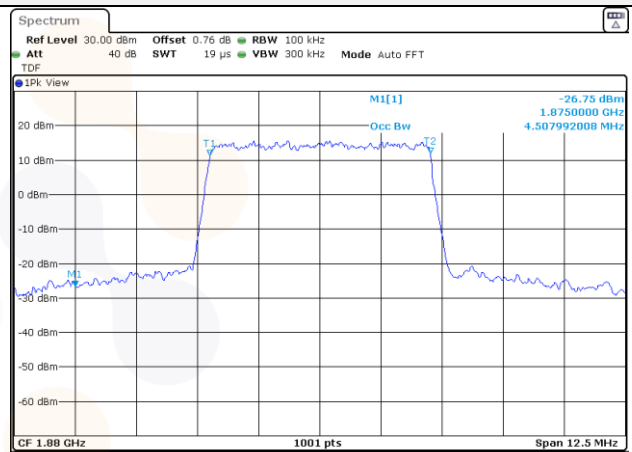
## 5M BW 16QAM Low ch.



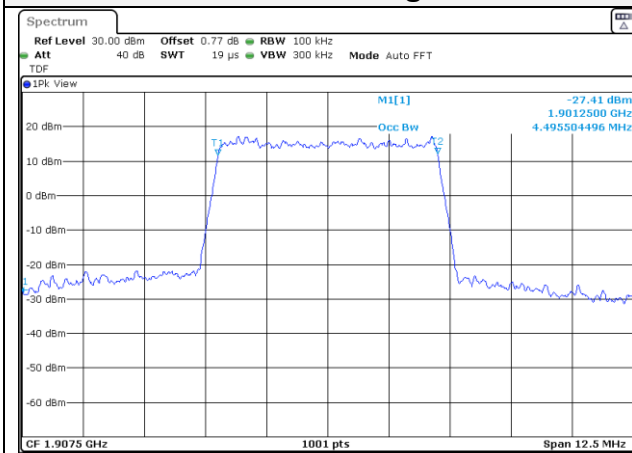
## 5M BW QPSK Mid ch.



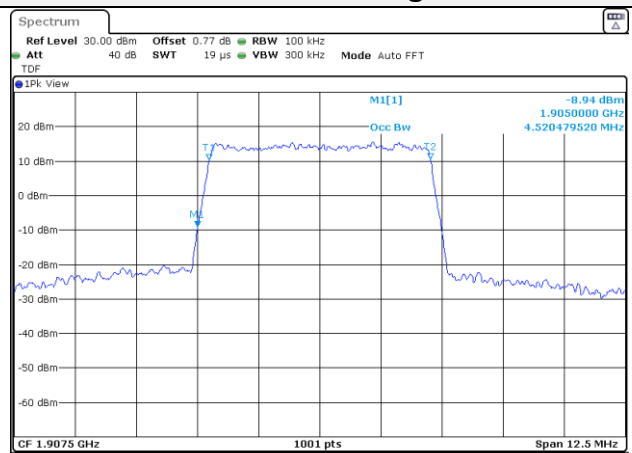
## 5M BW 16QAM Mid ch.



## 5M BW QPSK High ch.



## 5M BW 16QAM High ch.



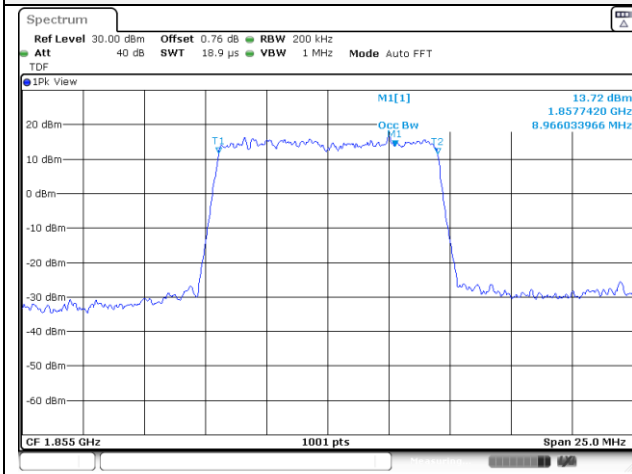
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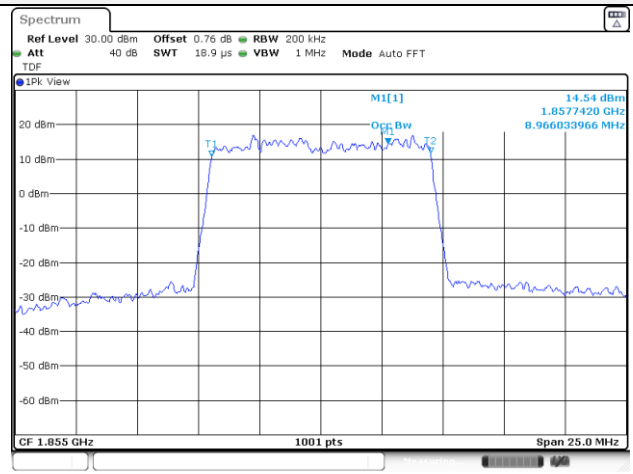
Report No.:  
KR22-SRF0053-A  
Page (66) of (195)



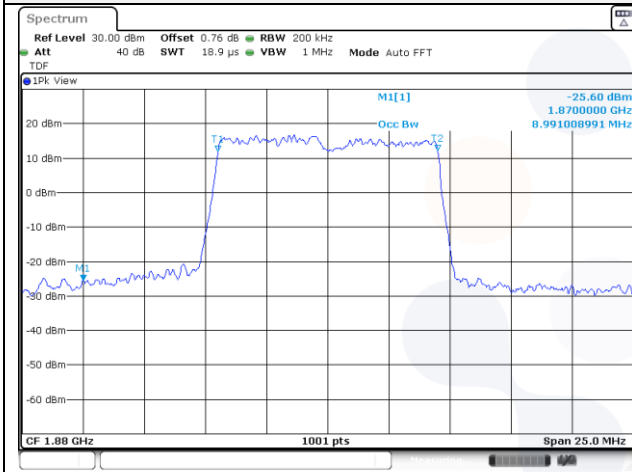
## 10M BW QPSK Low ch.



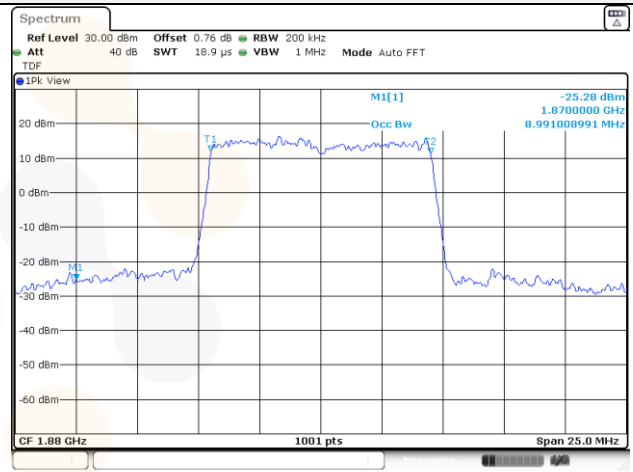
## 10M BW 16QAM Low ch.



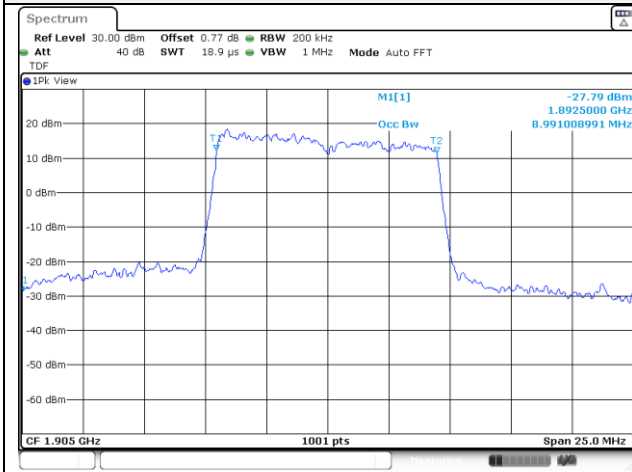
## 10M BW QPSK Mid ch.



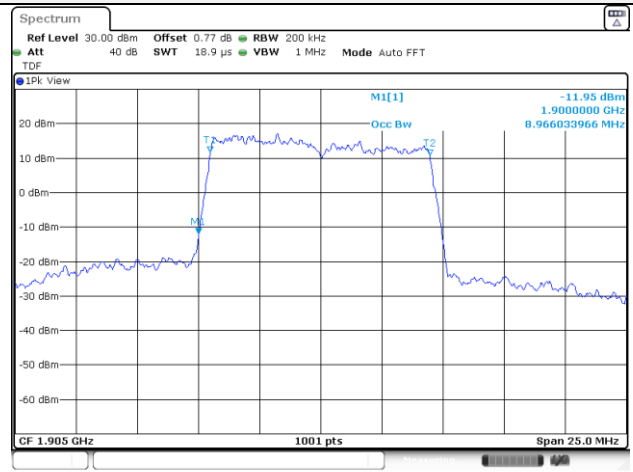
## 10M BW 16QAM Mid ch.



## 10M BW QPSK High ch.



## 10M BW 16QAM High ch.



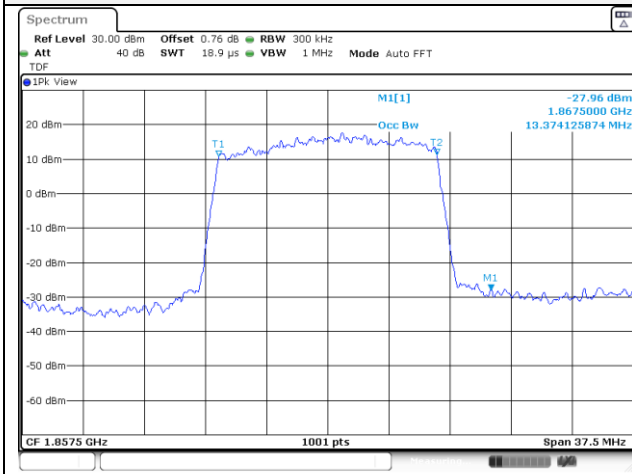
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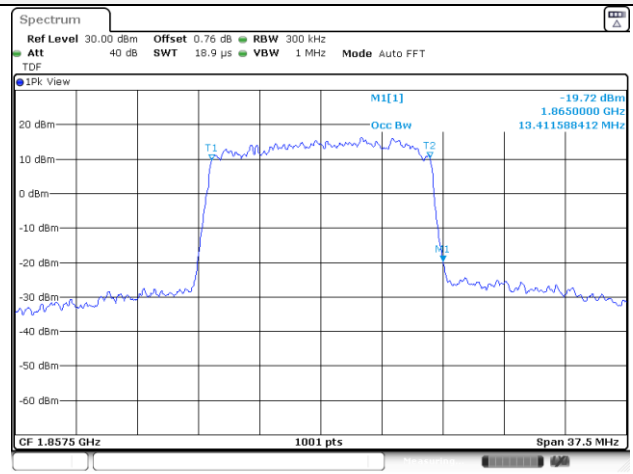
Report No.:  
KR22-SRF0053-A  
Page (67) of (195)



## 15M BW QPSK Low ch.



## 15M BW 16QAM Low ch.



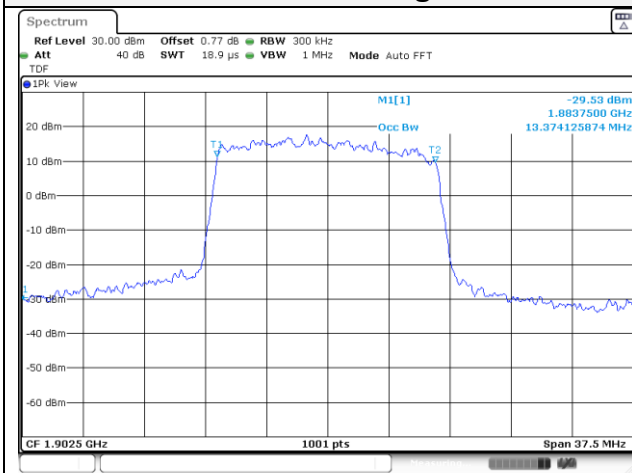
## 15M BW QPSK Mid ch.



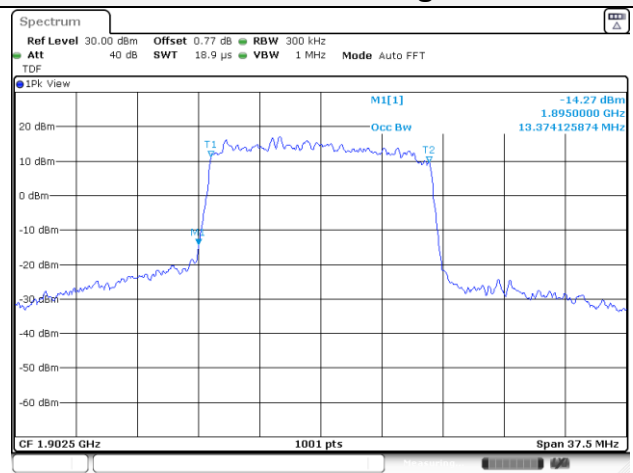
## 15M BW 16QAM Mid ch.



## 15M BW QPSK High ch.



## 15M BW 16QAM High ch.



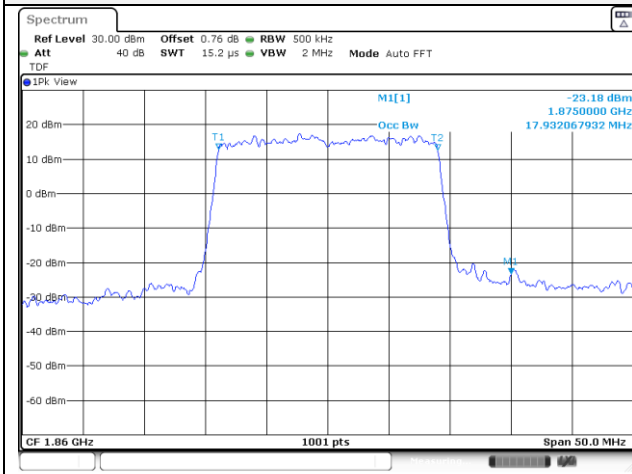
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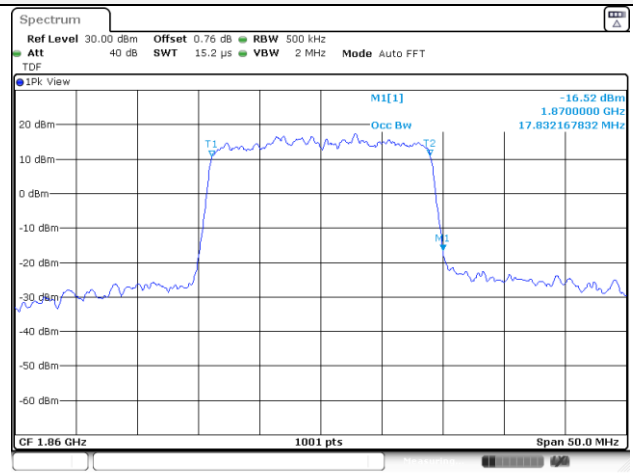
Report No.:  
KR22-SRF0053-A  
Page (68) of (195)



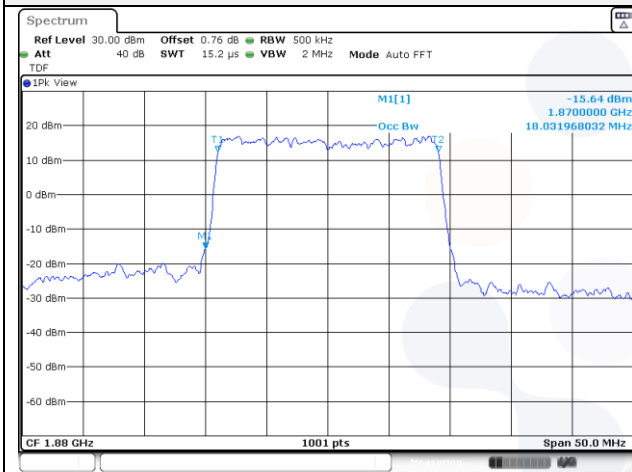
## 20M BW QPSK Low ch.



## 20M BW 16QAM Low ch.



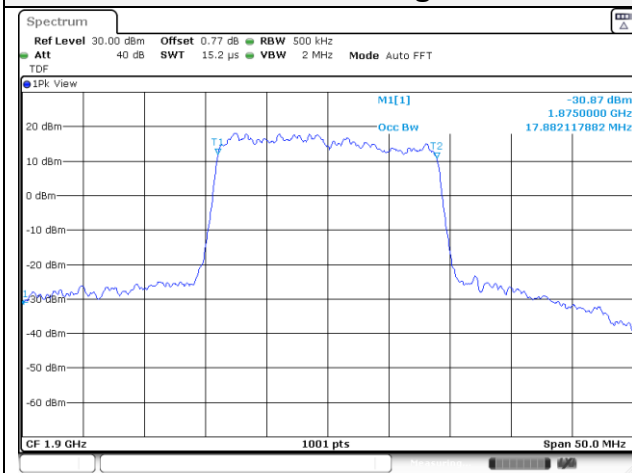
## 20M BW QPSK Mid ch.



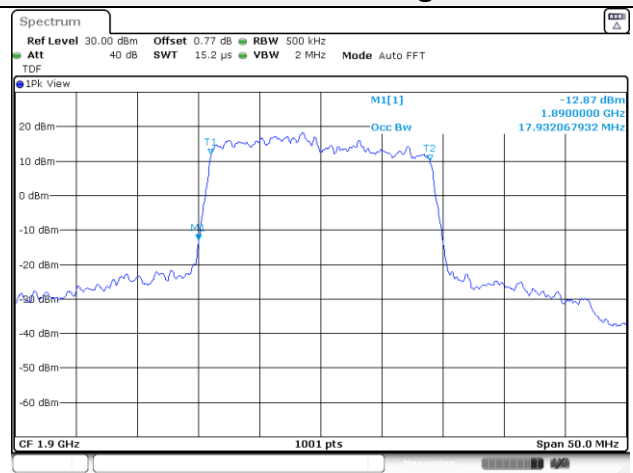
## 20M BW 16QAM Mid ch.



## 20M BW QPSK High ch.



## 20M BW 16QAM High ch.



# KCTL Inc.

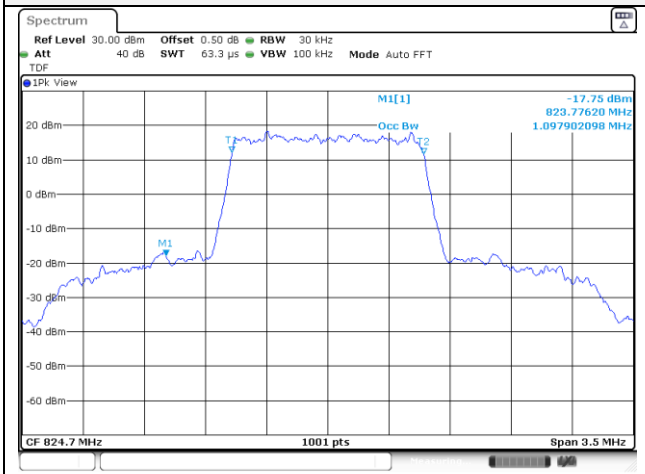
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Report No.:  
KR22-SRF0053-A  
Page (69) of (195)

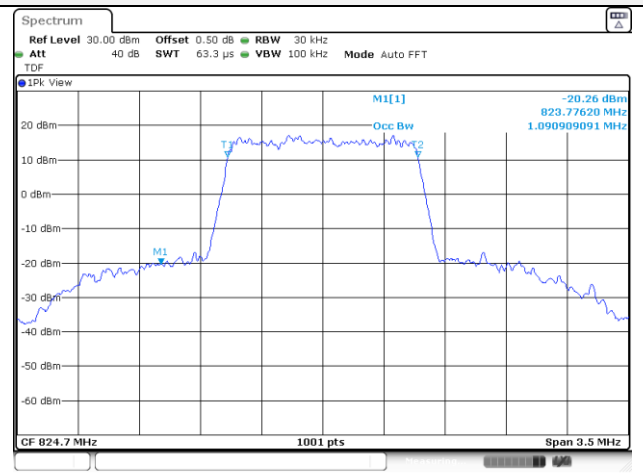


## Test mode: LTE Band 5

### 1.4M BW QPSK Low ch.



### 1.4M BW 16QAM Low ch.



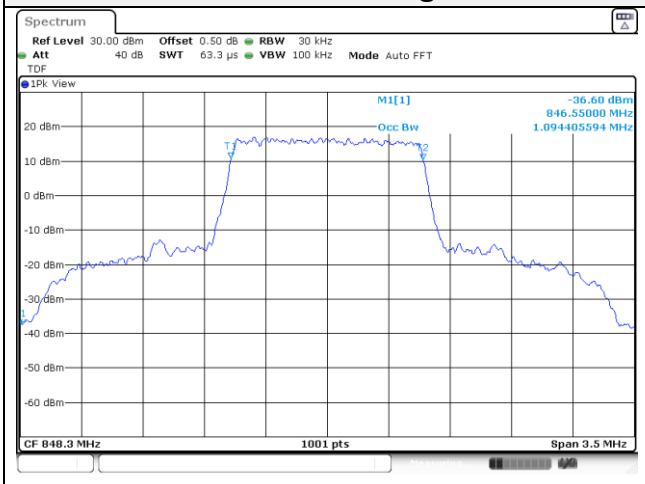
### 1.4M BW QPSK Mid ch.



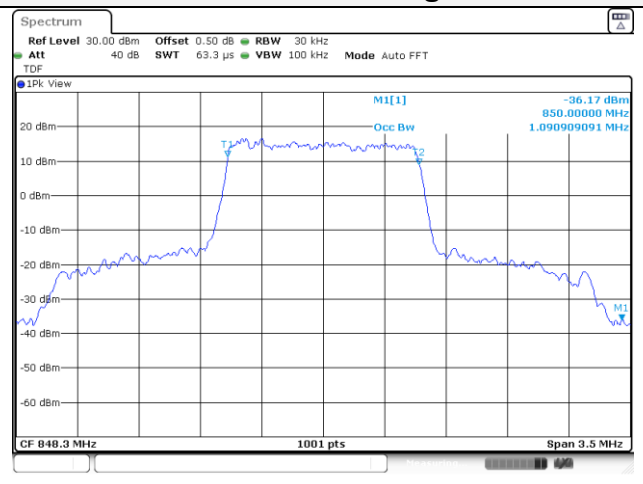
### 1.4M BW 16QAM Mid ch.



### 1.4M BW QPSK High ch.



### 1.4M BW 16QAM High ch.



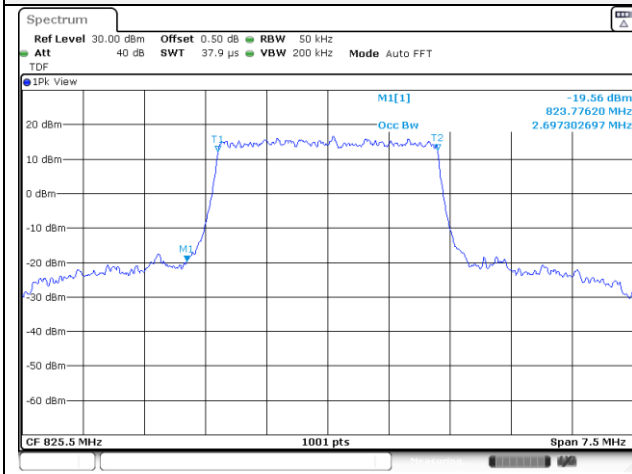
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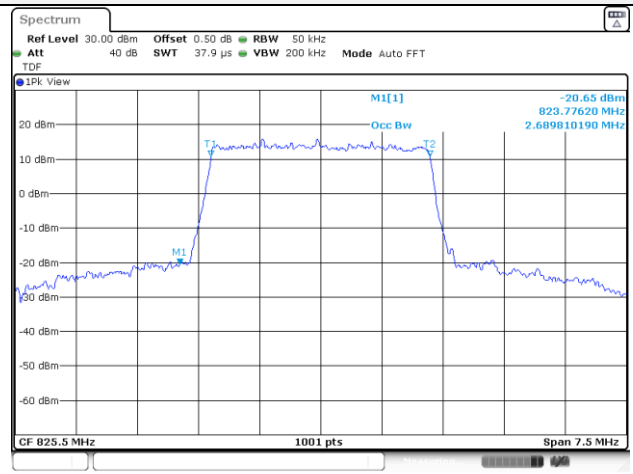
Report No.:  
KR22-SRF0053-A  
Page (70) of (195)



## 3M BW QPSK Low ch.



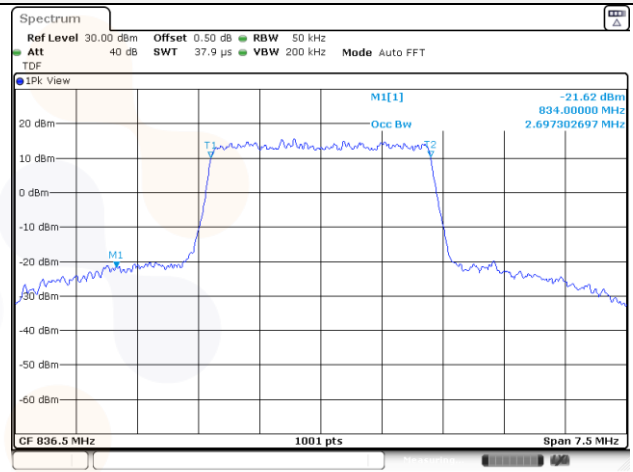
## 3M BW 16QAM Low ch.



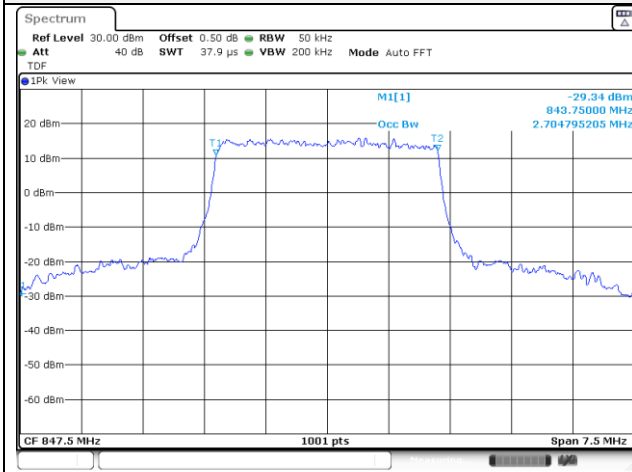
## 3M BW QPSK Mid ch.



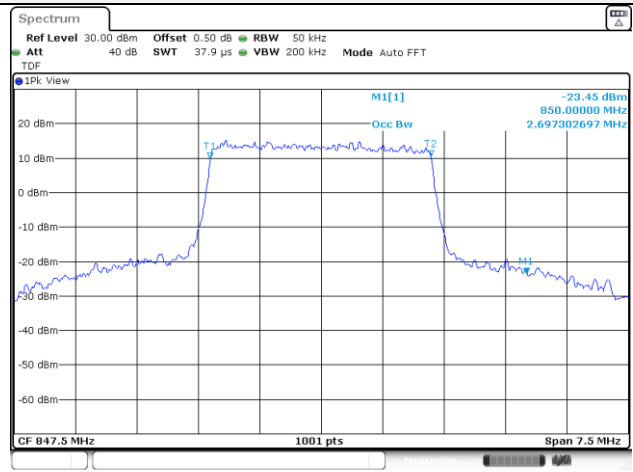
## 3M BW 16QAM Mid ch.



## 3M BW QPSK High ch.



## 3M BW 16QAM High ch.





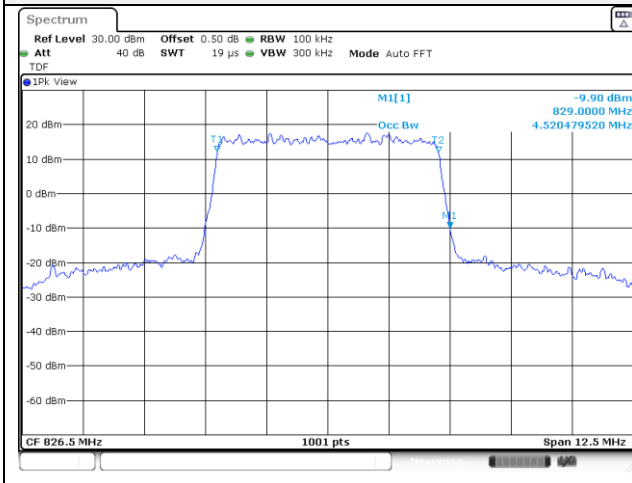
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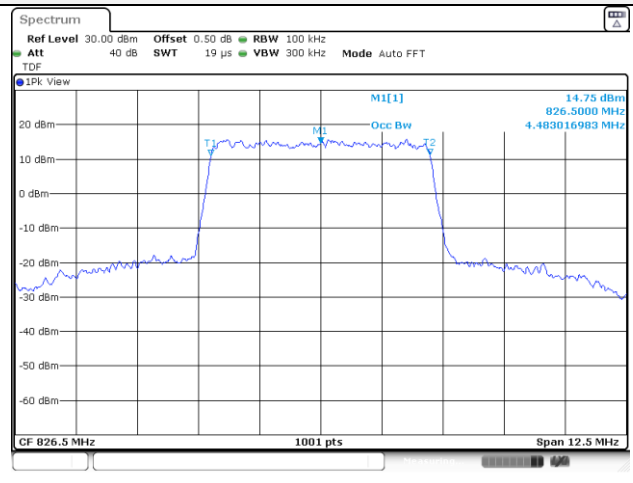
Report No.:  
KR22-SRF0053-A  
Page (71) of (195)



## 5M BW QPSK Low ch.



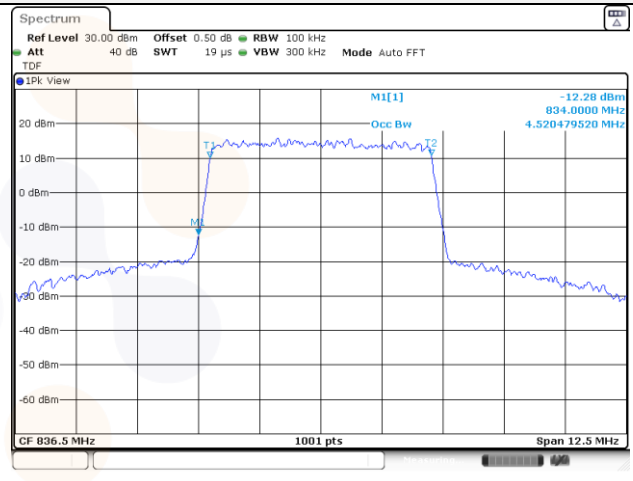
## 5M BW 16QAM Low ch.



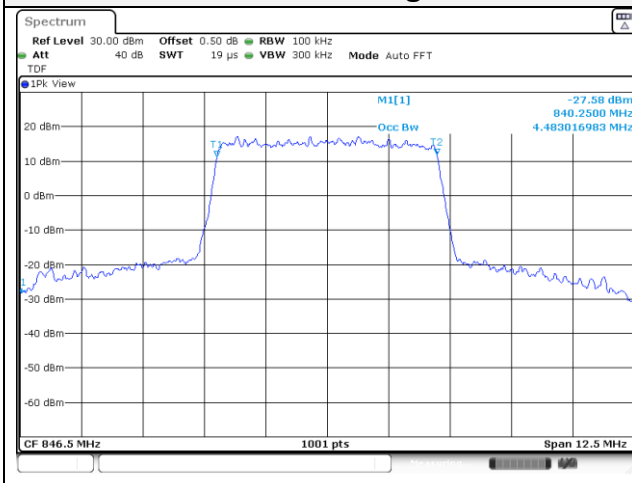
## 5M BW QPSK Mid ch.



## 5M BW 16QAM Mid ch.



## 5M BW QPSK High ch.



## 5M BW 16QAM High ch.



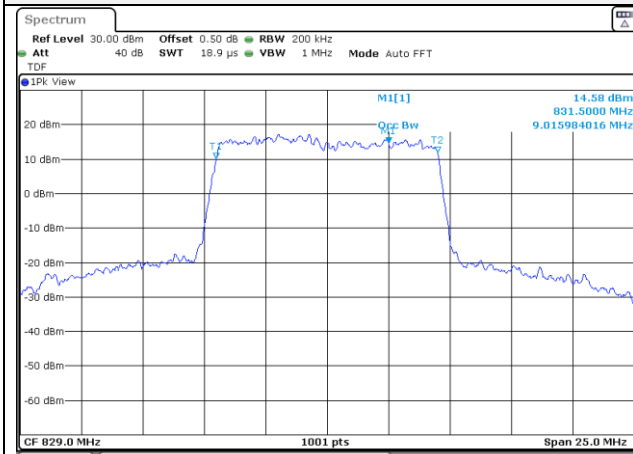
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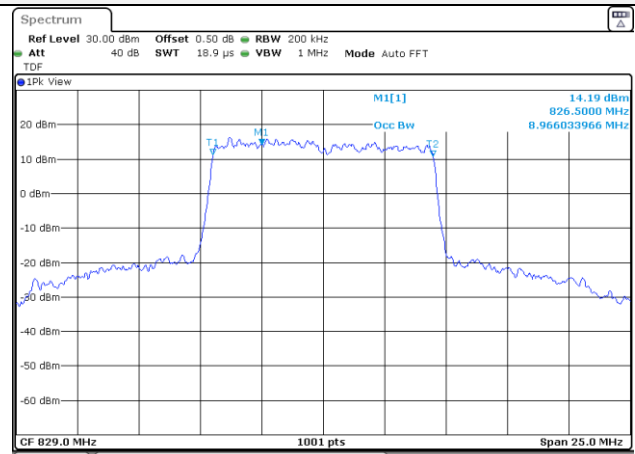
Report No.:  
KR22-SRF0053-A  
Page (72) of (195)



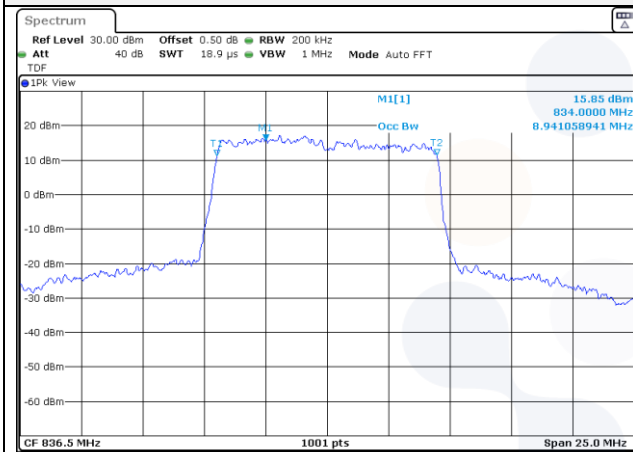
## 10M BW QPSK Low ch.



## 10M BW 16QAM Low ch.



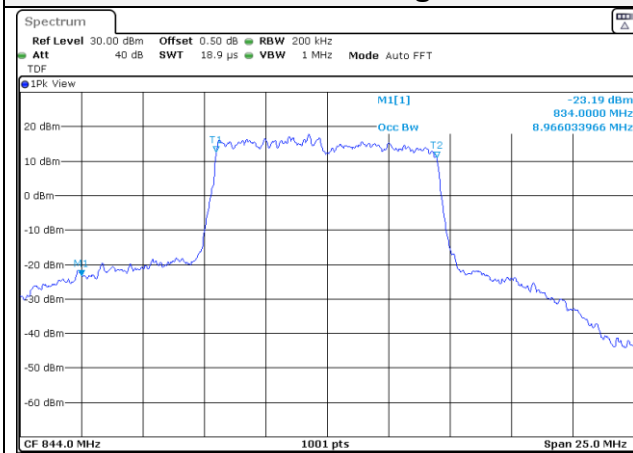
## 10M BW QPSK Mid ch.



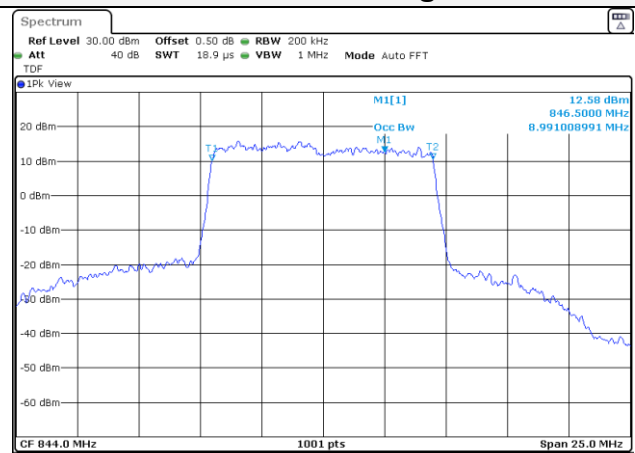
## 10M BW 16QAM Mid ch.



## 10M BW QPSK High ch.



## 10M BW 16QAM High ch.



# KCTL Inc.

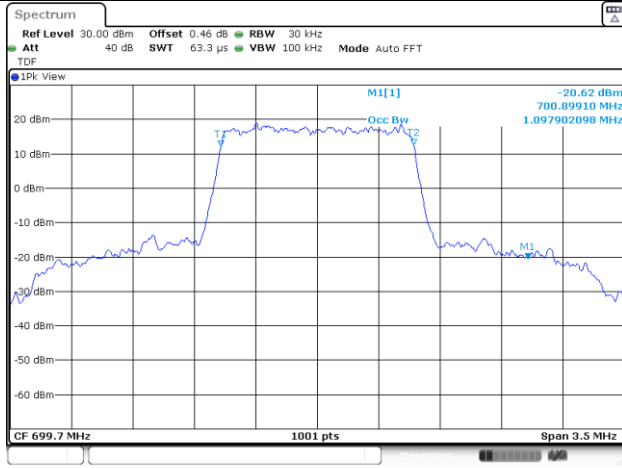
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Report No.:  
KR22-SRF0053-A  
Page (73) of (195)

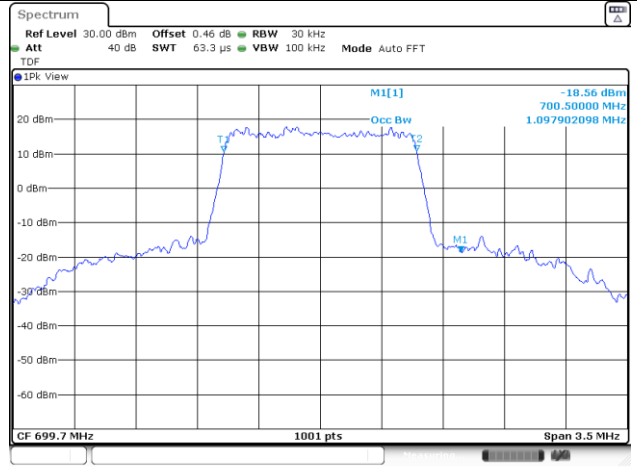


## Test mode: LTE Band 12

### 1.4M BW QPSK Low ch.



### 1.4M BW 16QAM Low ch.



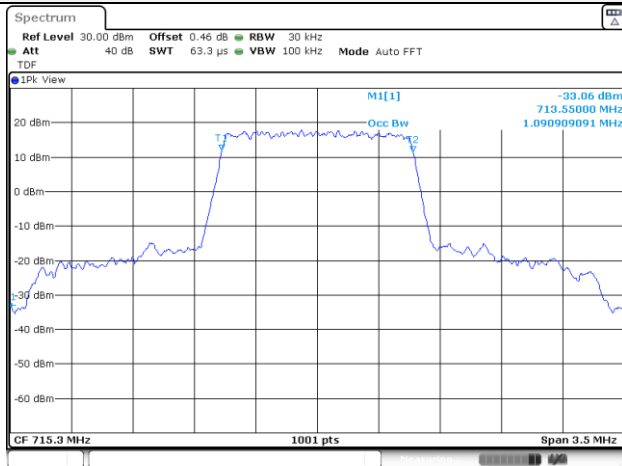
### 1.4M BW QPSK Mid ch.



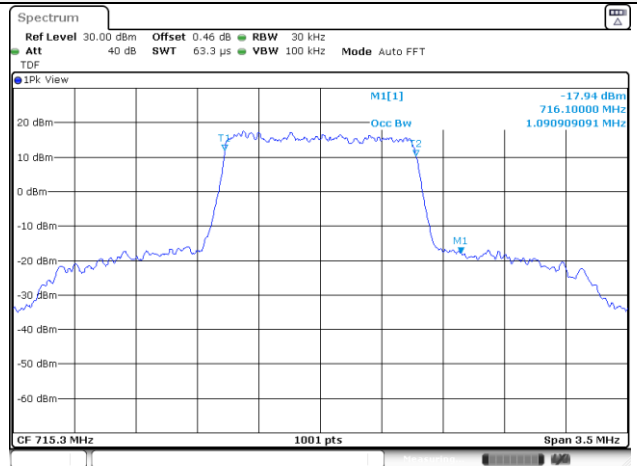
### 1.4M BW 16QAM Mid ch.



### 1.4M BW QPSK High ch.



### 1.4M BW 16QAM High ch.



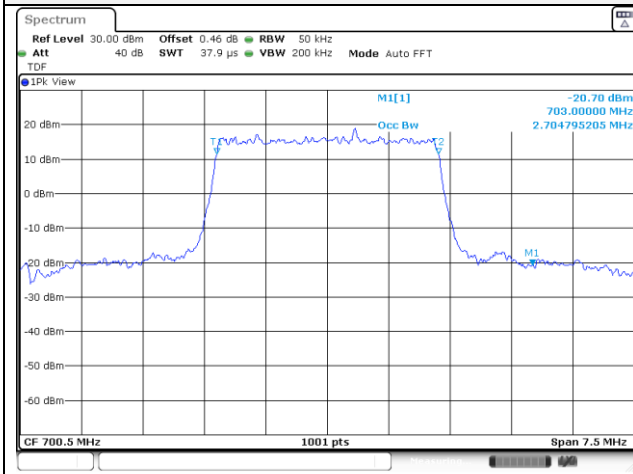
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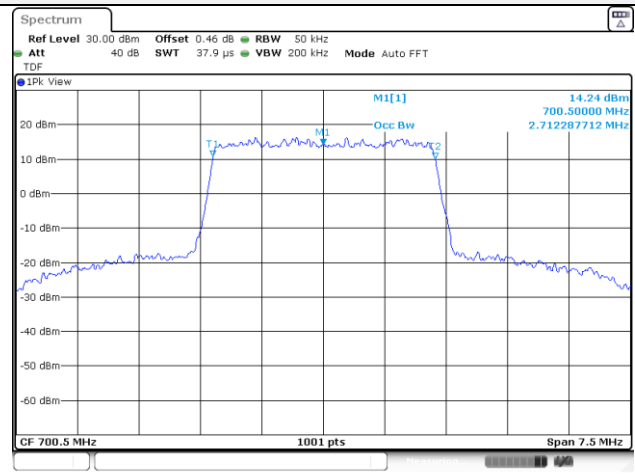
Report No.:  
KR22-SRF0053-A  
Page (74) of (195)



## 3M BW QPSK Low ch.



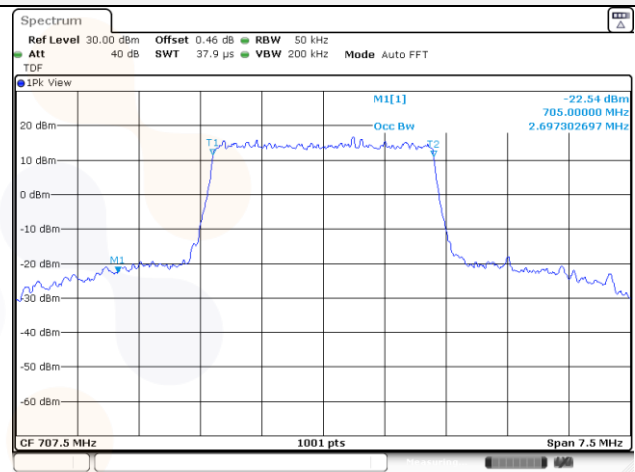
## 3M BW 16QAM Low ch.



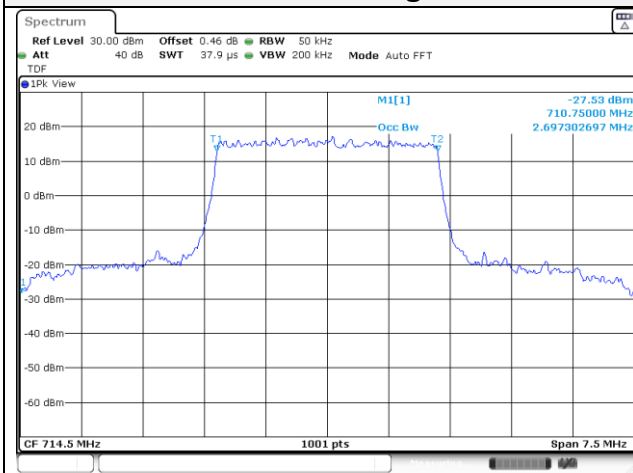
## 3M BW QPSK Mid ch.



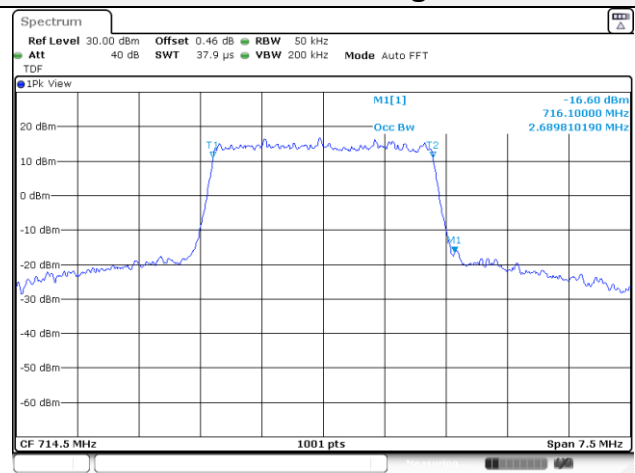
## 3M BW 16QAM Mid ch.



## 3M BW QPSK High ch.



## 3M BW 16QAM High ch.



# KCTL Inc.

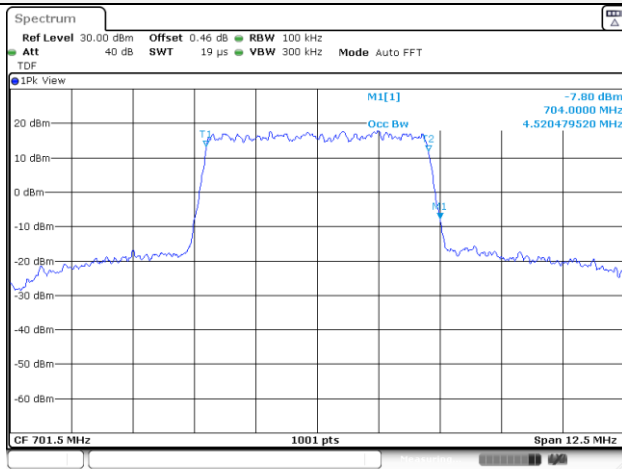
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Report No.:  
KR22-SRF0053-A  
Page (75) of (195)

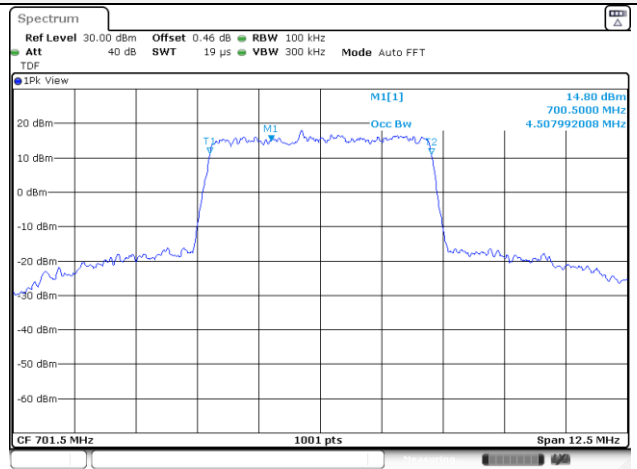


## Test mode: LTE Band 12/17

### 5M BW QPSK Low ch.



### 5M BW 16QAM Low ch.



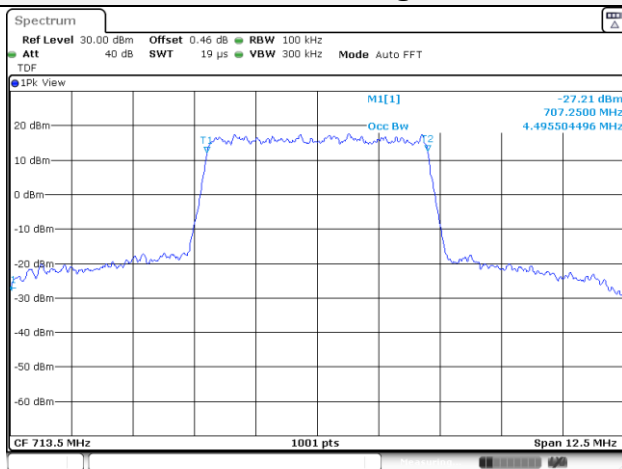
### 5M BW QPSK Mid ch.



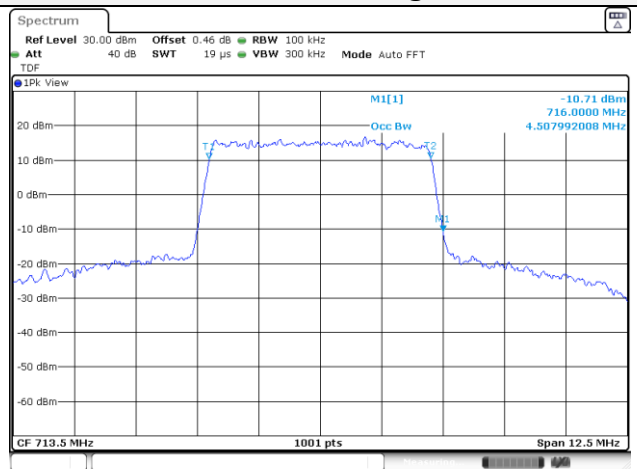
### 5M BW 16QAM Mid ch.



### 5M BW QPSK High ch.



### 5M BW 16QAM High ch.



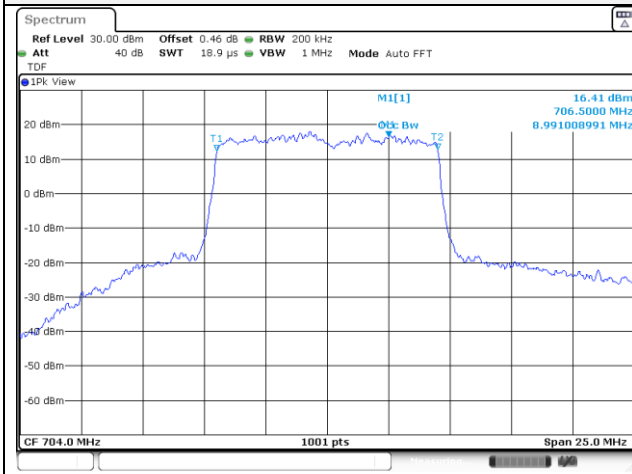
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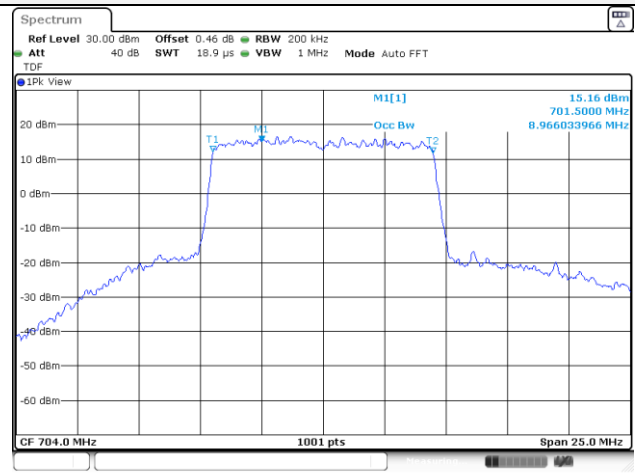
Report No.:  
KR22-SRF0053-A  
Page (76) of (195)



## 10M BW QPSK Low ch.



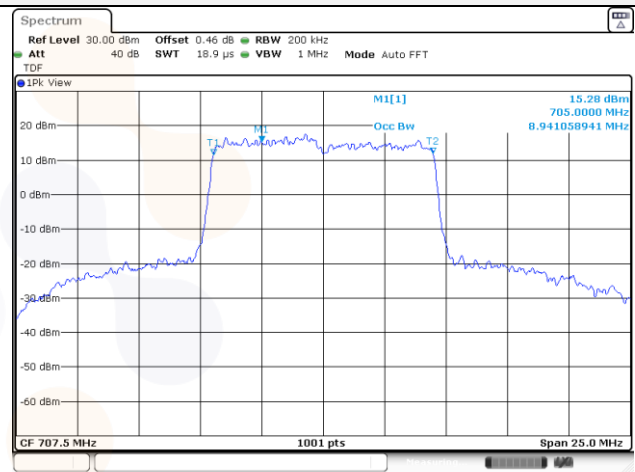
## 10M BW 16QAM Low ch.



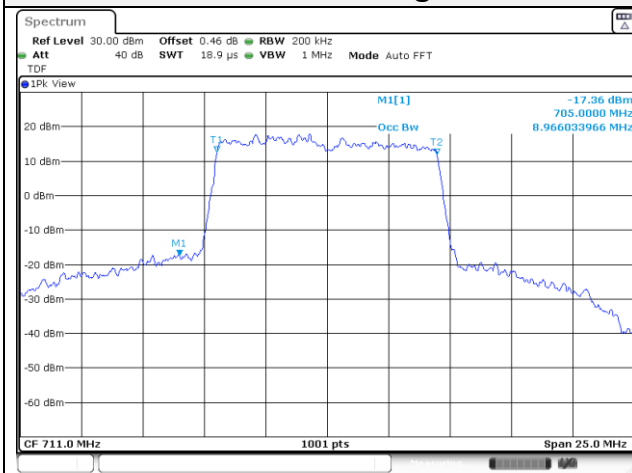
## 10M BW QPSK Mid ch.



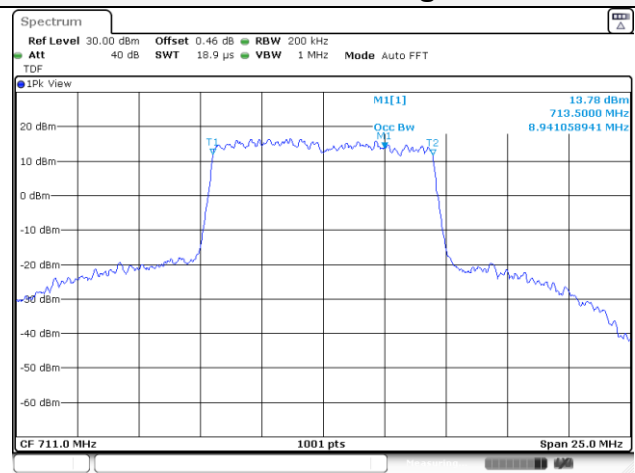
## 10M BW 16QAM Mid ch.



## 10M BW QPSK High ch.



## 10M BW 16QAM High ch.



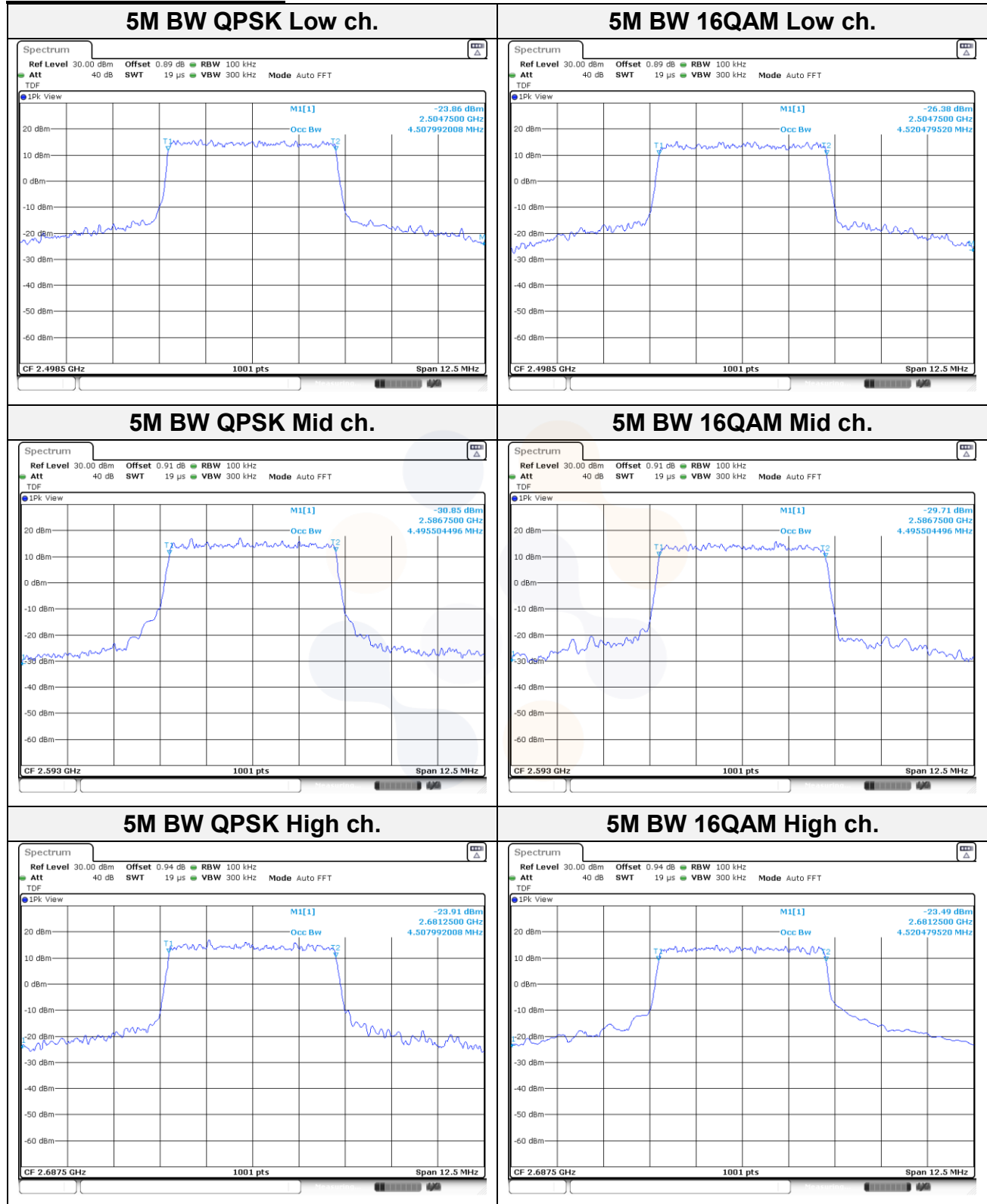
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Report No.:  
KR22-SRF0053-A  
Page (77) of (195)



## Test mode: LTE Band 41



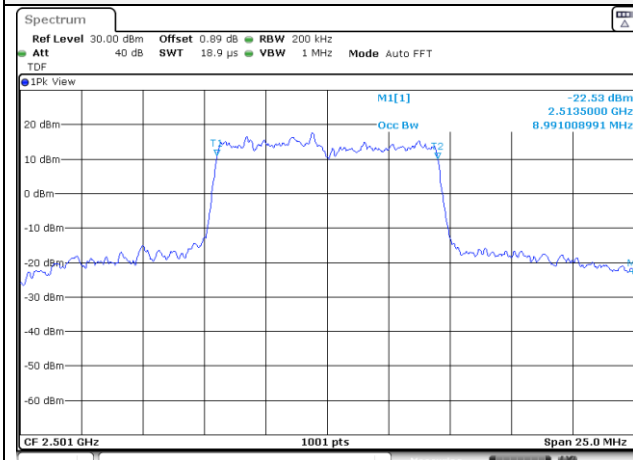
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Suwon-si, Gyeonggi-do, 16677, Korea  
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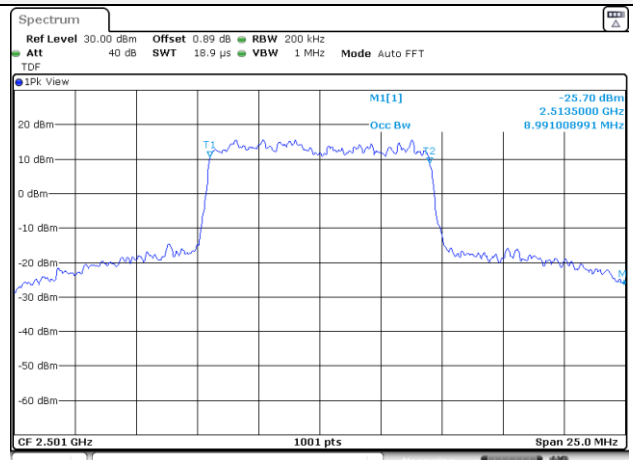
Report No.:  
KR22-SRF0053-A  
Page (78) of (195)



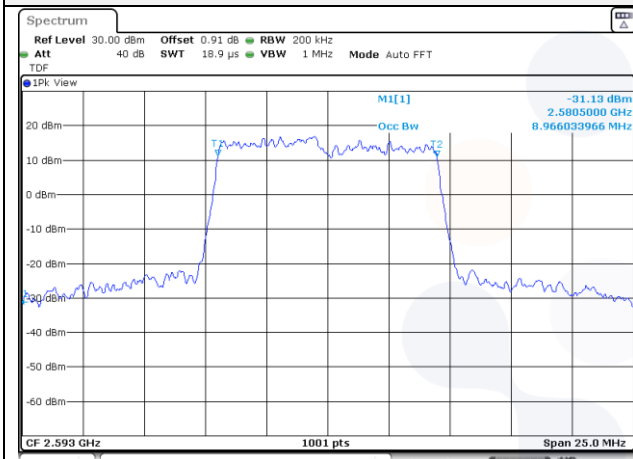
## 10M BW QPSK Low ch.



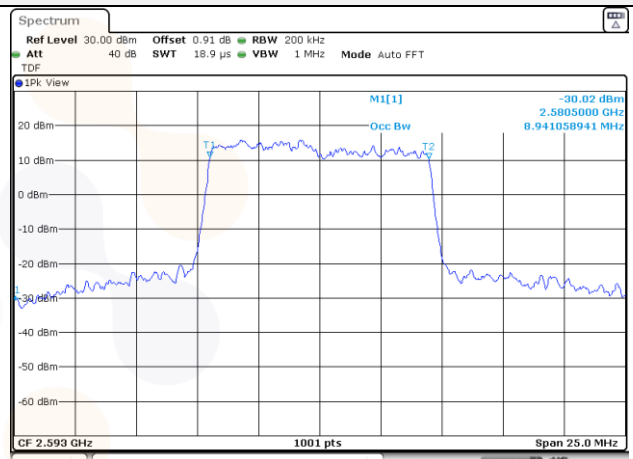
## 10M BW 16QAM Low ch.



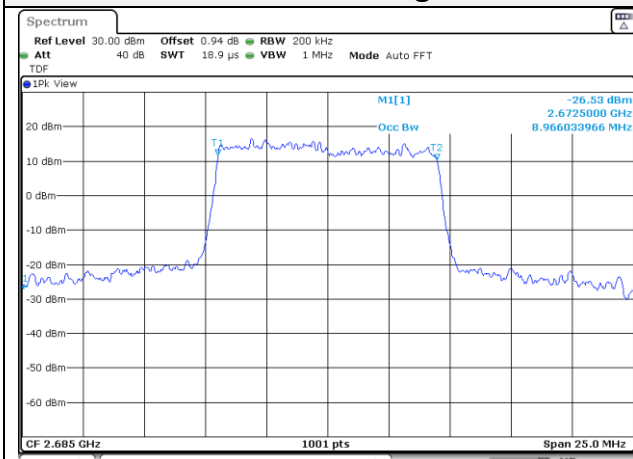
## 10M BW QPSK Mid ch.



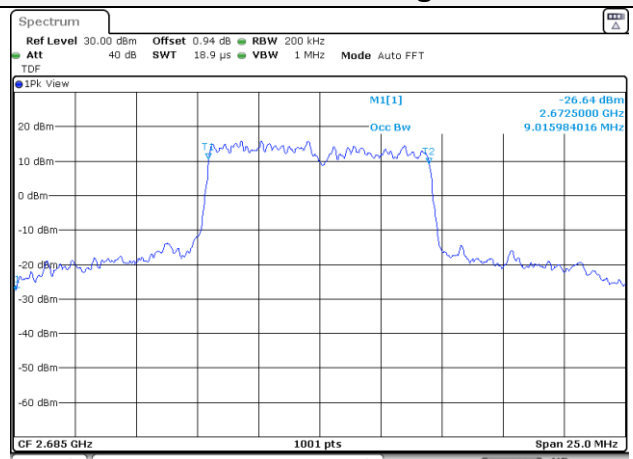
## 10M BW 16QAM Mid ch.



## 10M BW QPSK High ch.



## 10M BW 16QAM High ch.





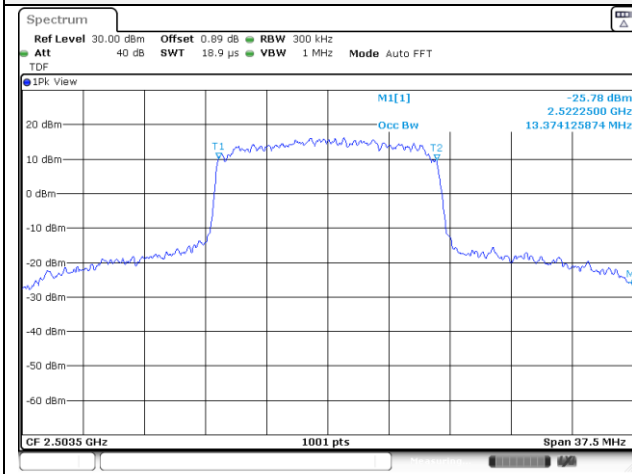
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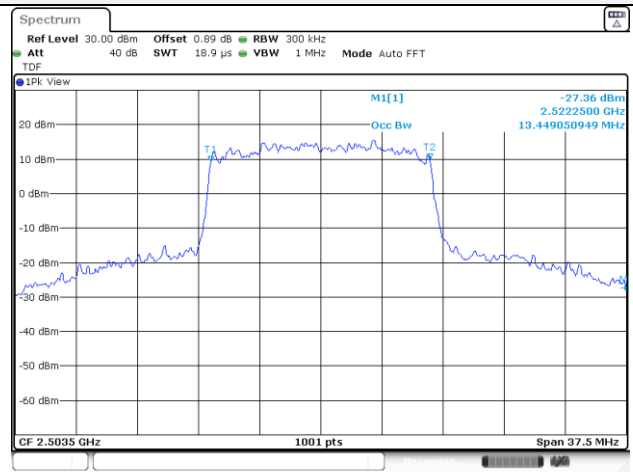
Report No.:  
KR22-SRF0053-A  
Page (79) of (195)



## 15M BW QPSK Low ch.



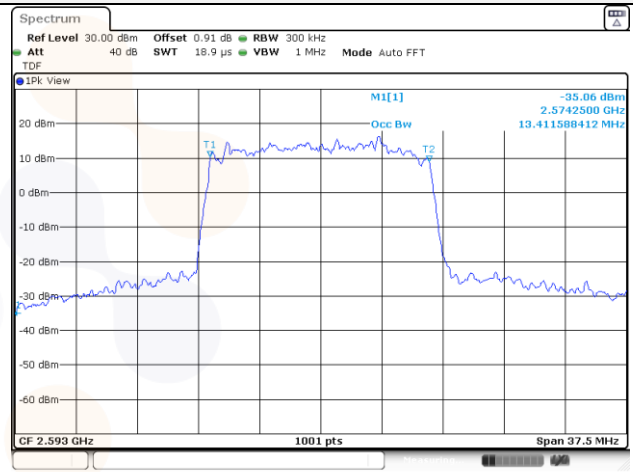
## 15M BW 16QAM Low ch.



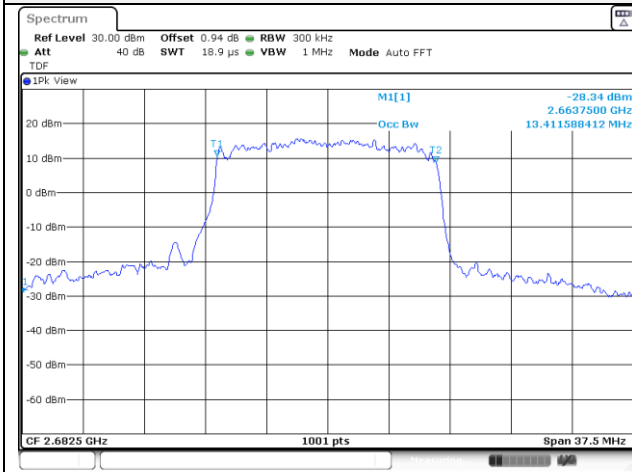
## 15M BW QPSK Mid ch.



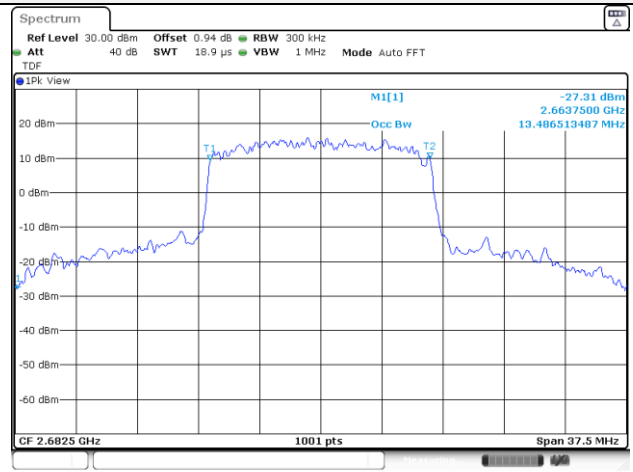
## 15M BW 16QAM Mid ch.



## 15M BW QPSK High ch.



## 15M BW 16QAM High ch.



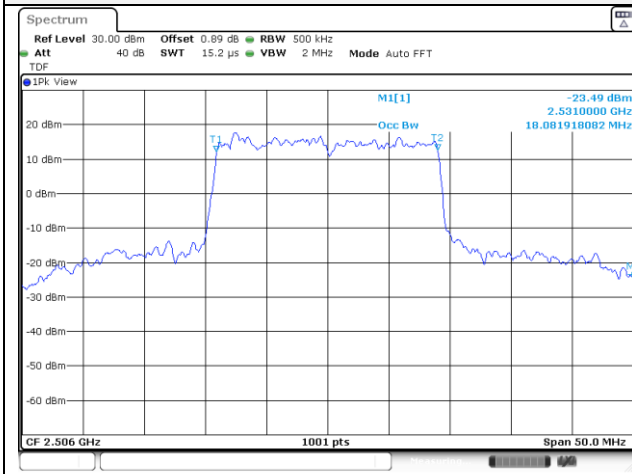
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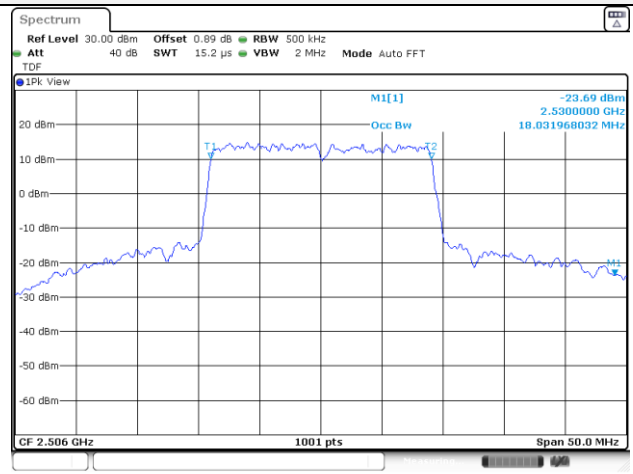
Report No.:  
KR22-SRF0053-A  
Page (80) of (195)



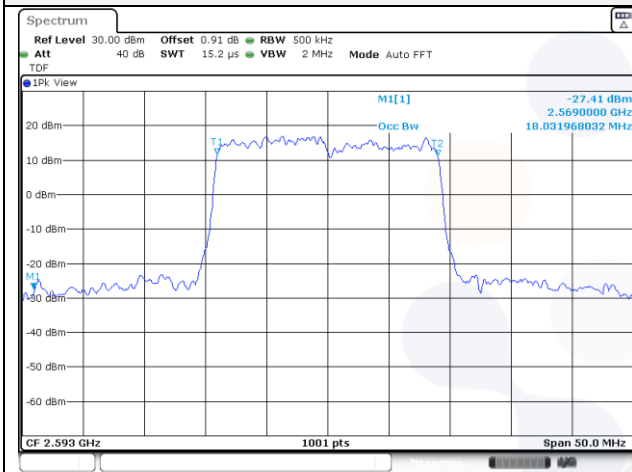
## 20M BW QPSK Low ch.



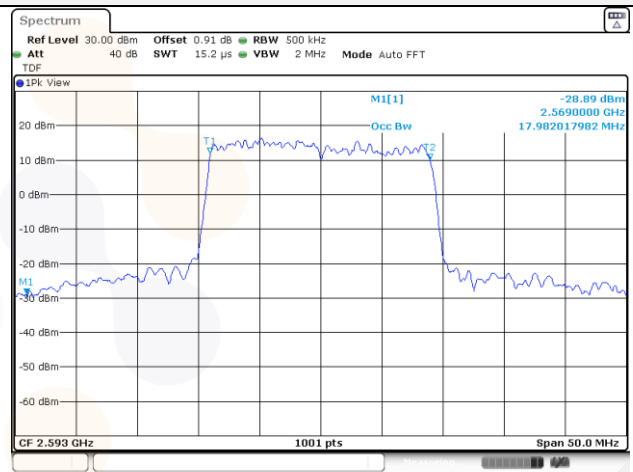
## 20M BW 16QAM Low ch.



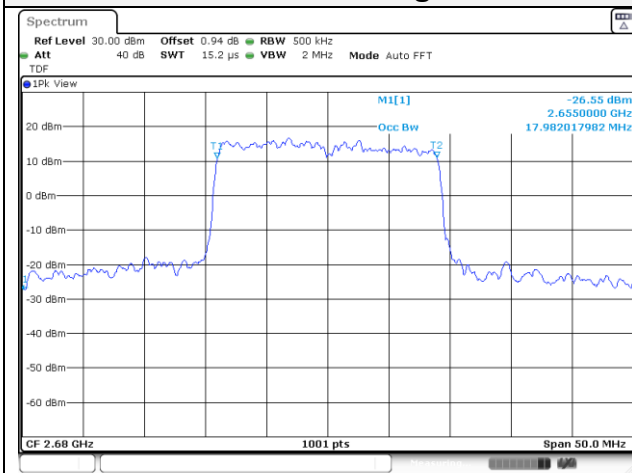
## 20M BW QPSK Mid ch.



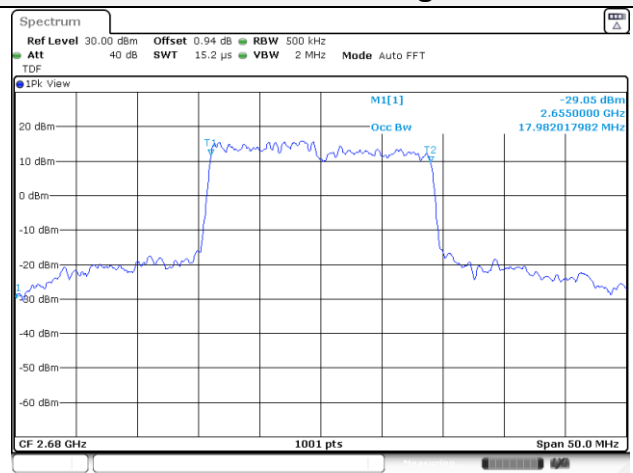
## 20M BW 16QAM Mid ch.



## 20M BW QPSK High ch.



## 20M BW 16QAM High ch.



# KCTL Inc.

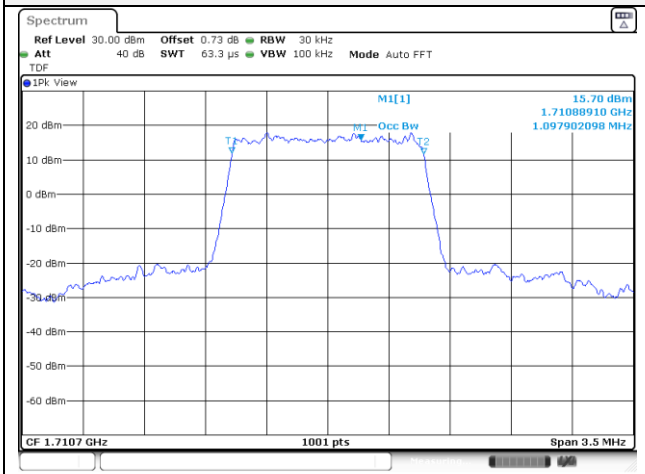
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Report No.:  
KR22-SRF0053-A  
Page (81) of (195)

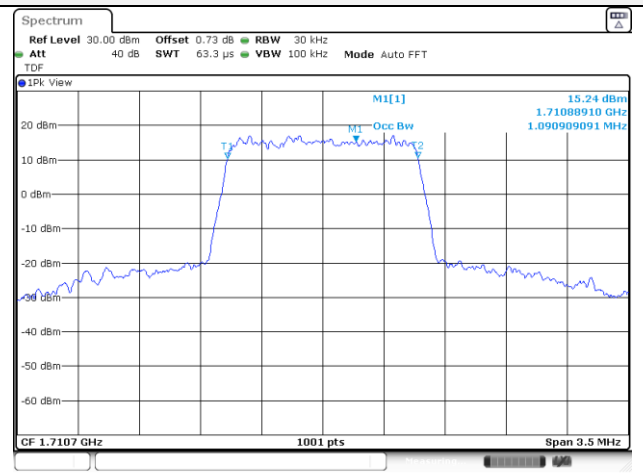


## Test mode: LTE Band 66/4

### 1.4M BW QPSK Low ch.



### 1.4M BW 16QAM Low ch.



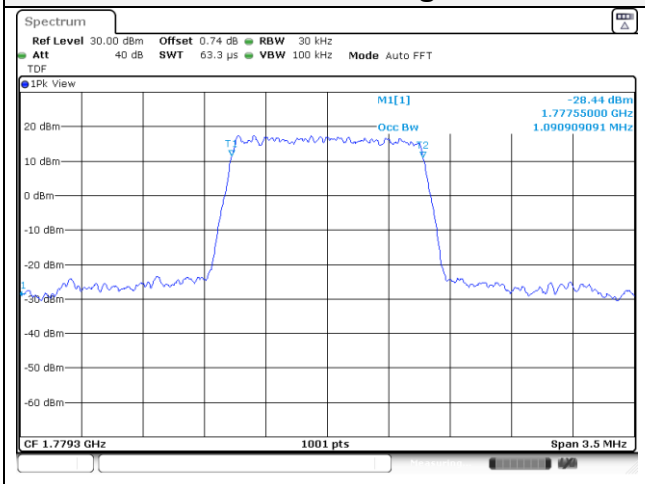
### 1.4M BW QPSK Mid ch.



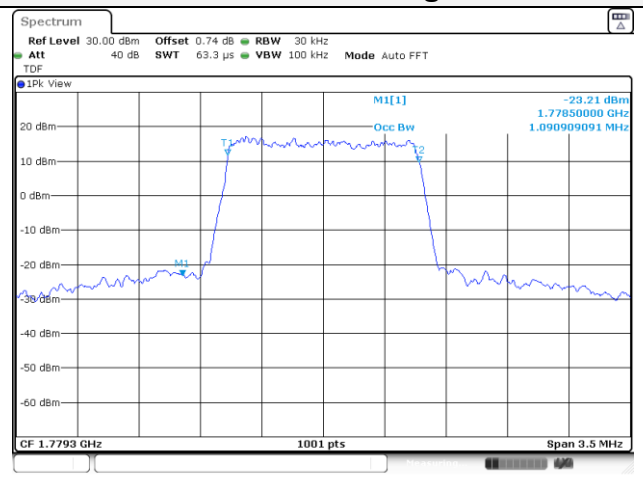
### 1.4M BW 16QAM Mid ch.



### 1.4M BW QPSK High ch.



### 1.4M BW 16QAM High ch.



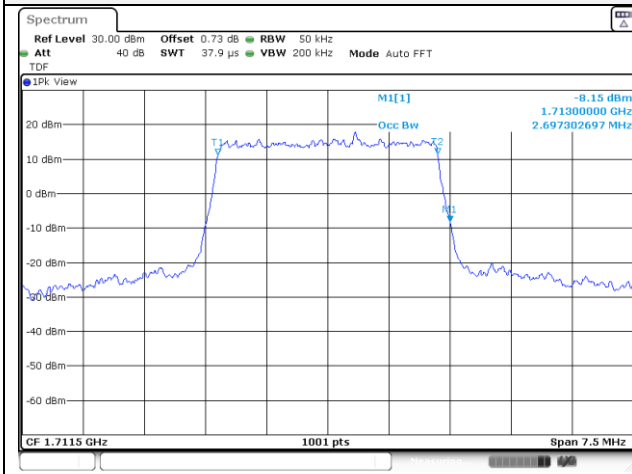
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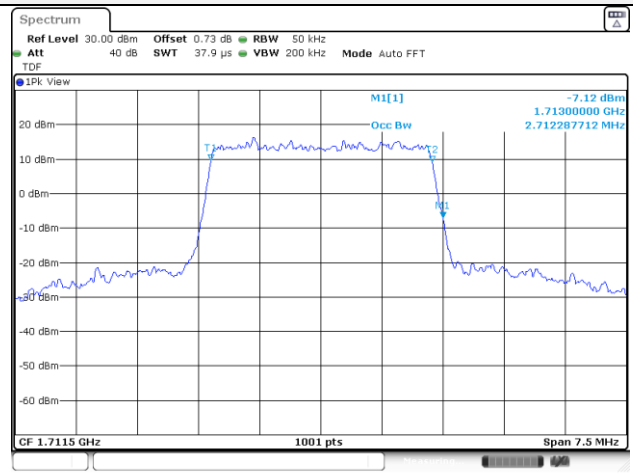
Report No.:  
KR22-SRF0053-A  
Page (82) of (195)



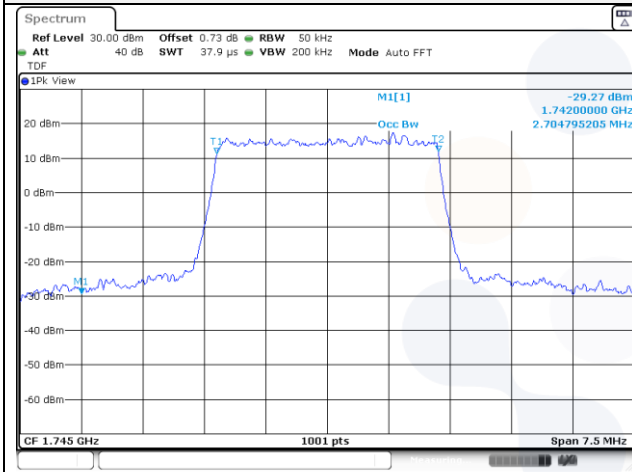
## 3M BW QPSK Low ch.



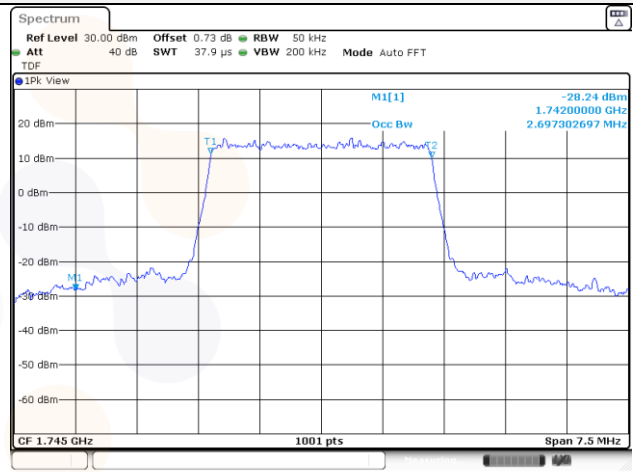
## 3M BW 16QAM Low ch.



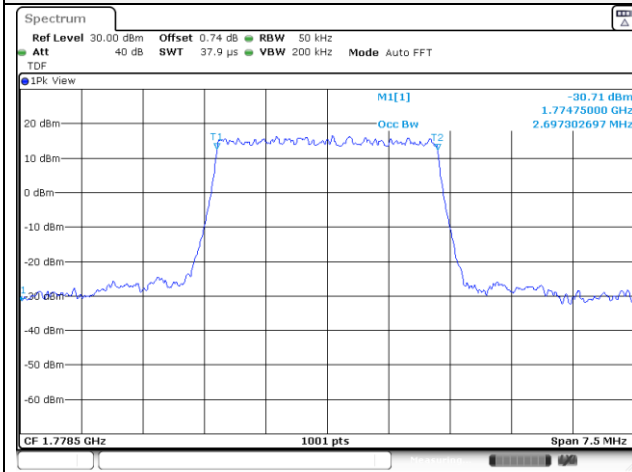
## 3M BW QPSK Mid ch.



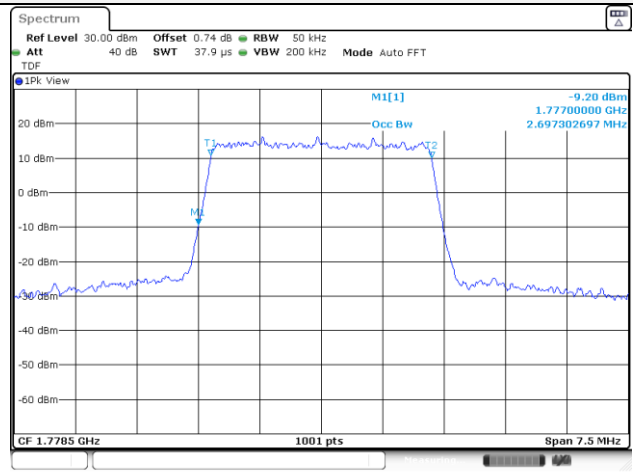
## 3M BW 16QAM Mid ch.



## 3M BW QPSK High ch.



## 3M BW 16QAM High ch.



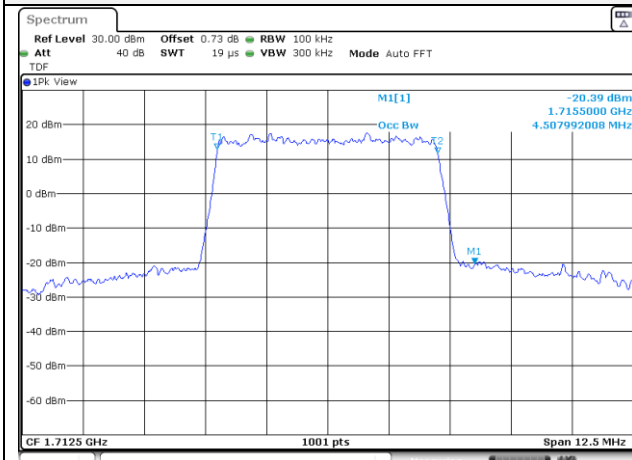
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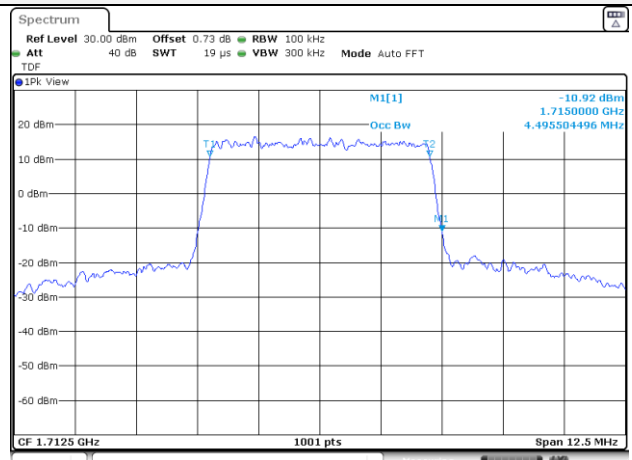
Report No.:  
KR22-SRF0053-A  
Page (83) of (195)



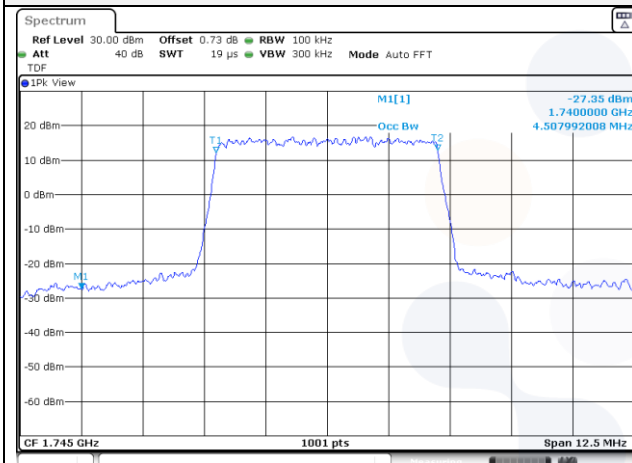
## 5M BW QPSK Low ch.



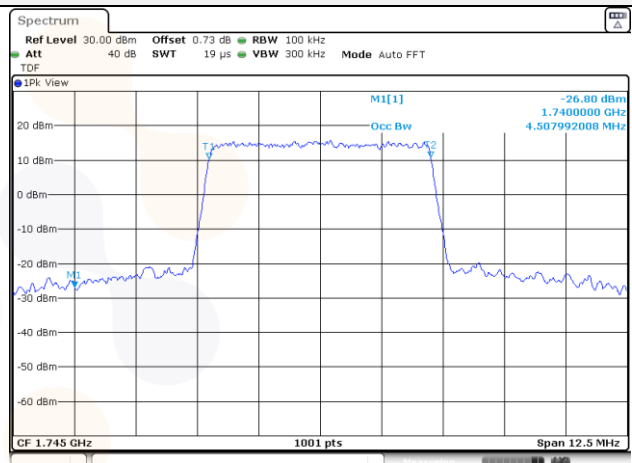
## 5M BW 16QAM Low ch.



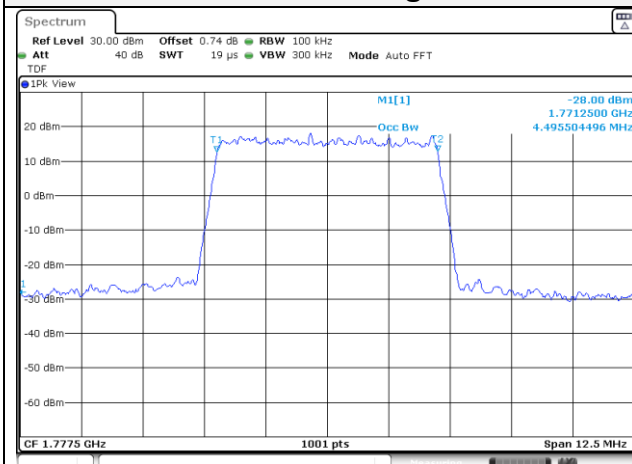
## 5M BW QPSK Mid ch.



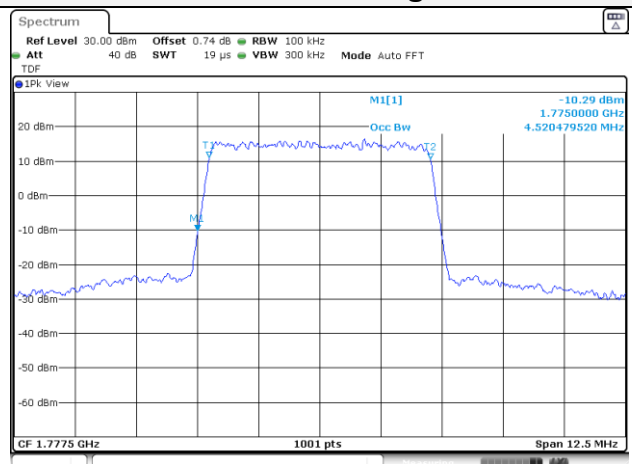
## 5M BW 16QAM Mid ch.



## 5M BW QPSK High ch.



## 5M BW 16QAM High ch.



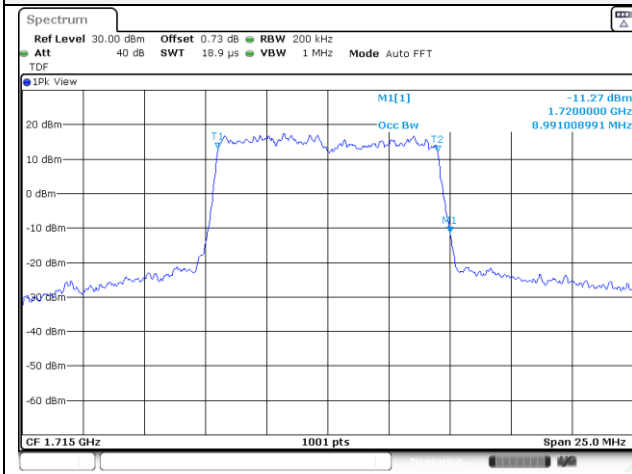
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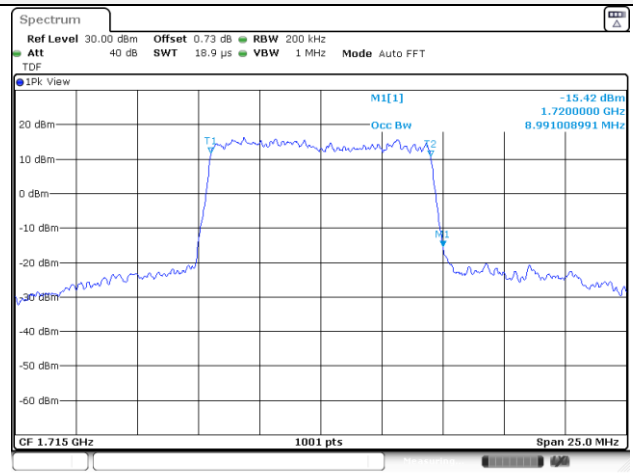
Report No.:  
KR22-SRF0053-A  
Page (84) of (195)



## 10M BW QPSK Low ch.



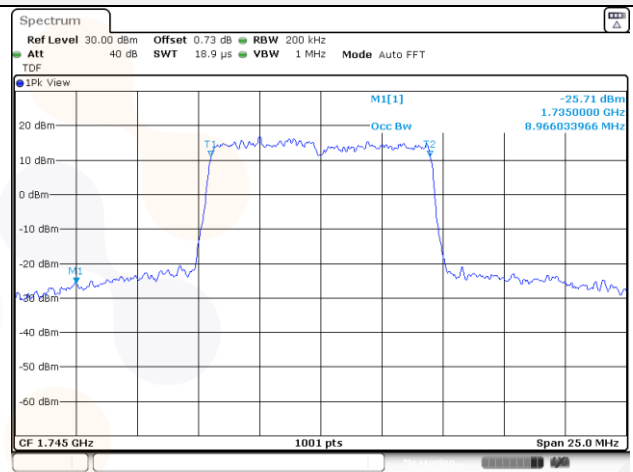
## 10M BW 16QAM Low ch.



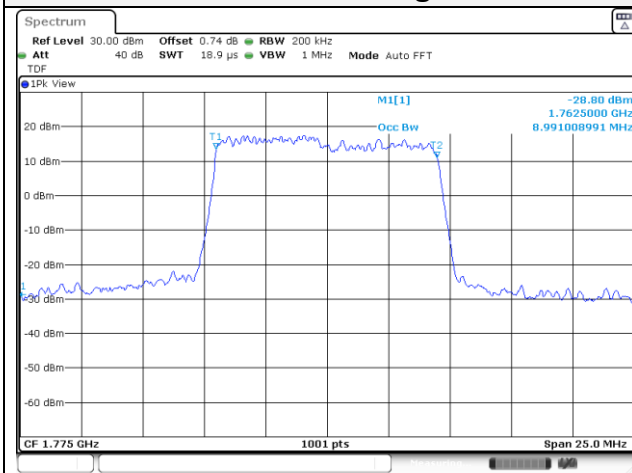
## 10M BW QPSK Mid ch.



## 10M BW 16QAM Mid ch.



## 10M BW QPSK High ch.



## 10M BW 16QAM High ch.

