

# KCTL Inc.

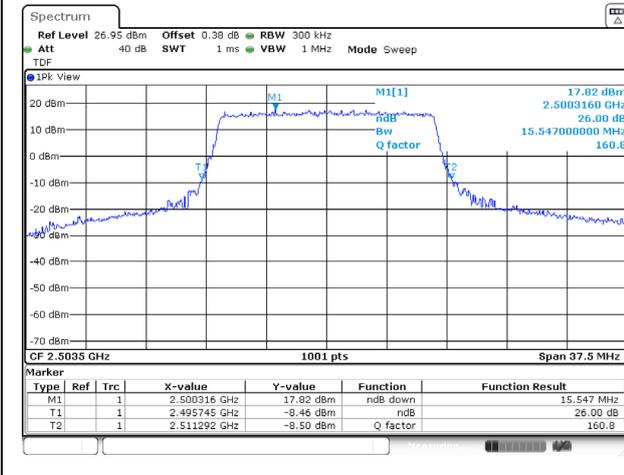
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR20-SRF0024

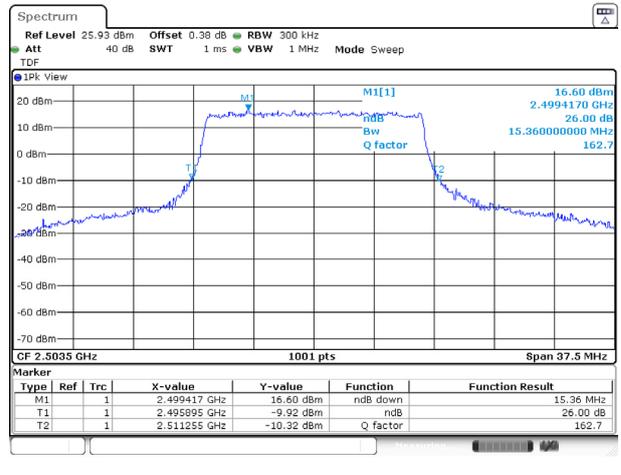
Page (17) of (49)



## 15M BW / QPSK / Low ch.



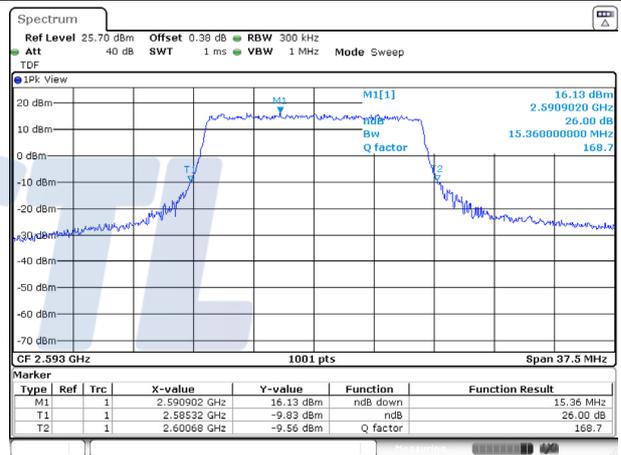
## 15M BW / 16QAM / Low ch.



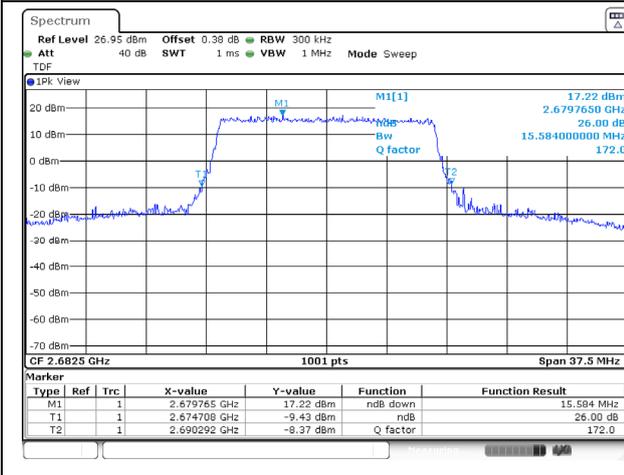
## 15M BW / QPSK / Mid ch.



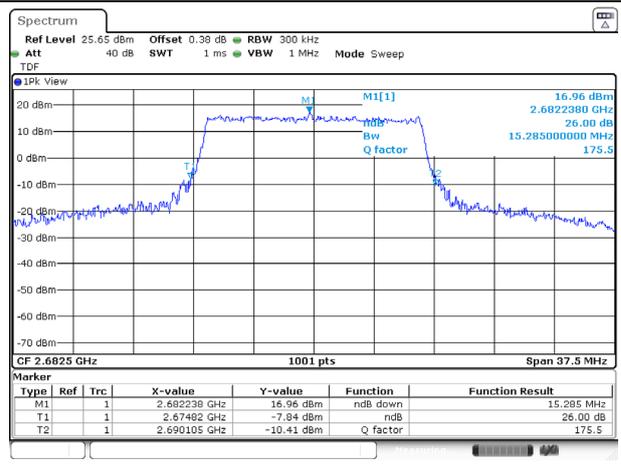
## 15M BW / 16QAM / Mid ch.



## 15M BW / QPSK / High ch.



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



# KCTL Inc.

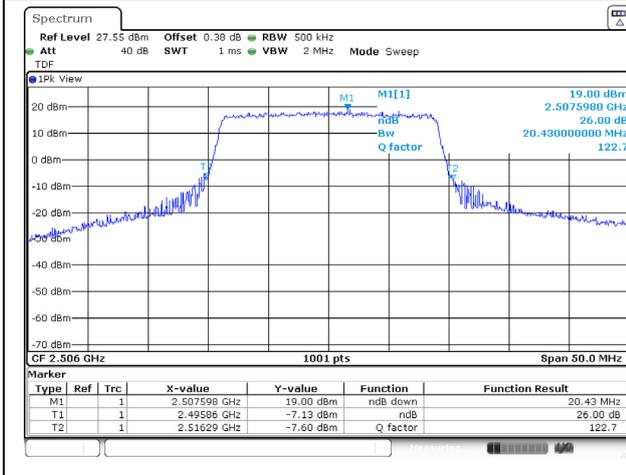
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR20-SRF0024

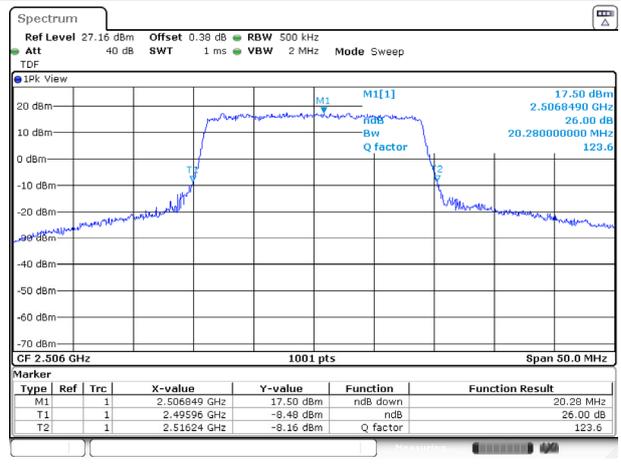
Page (18) of (49)



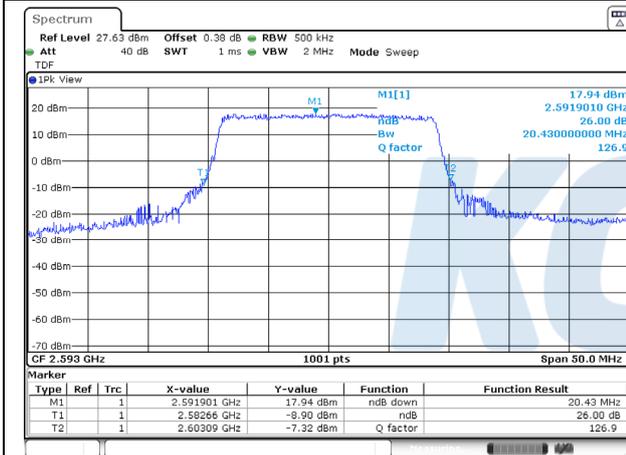
## 20M BW / QPSK / Low ch.



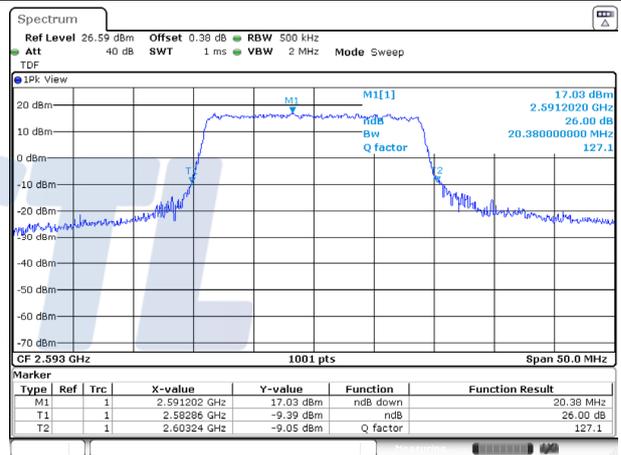
## 20M BW / 16QAM / Low ch.



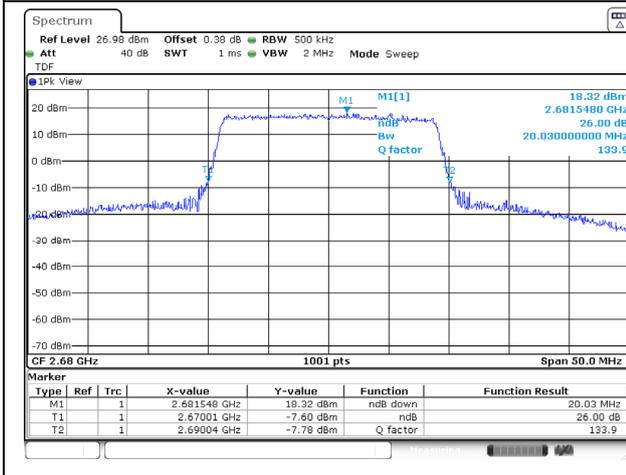
## 20M BW / QPSK / Mid ch.



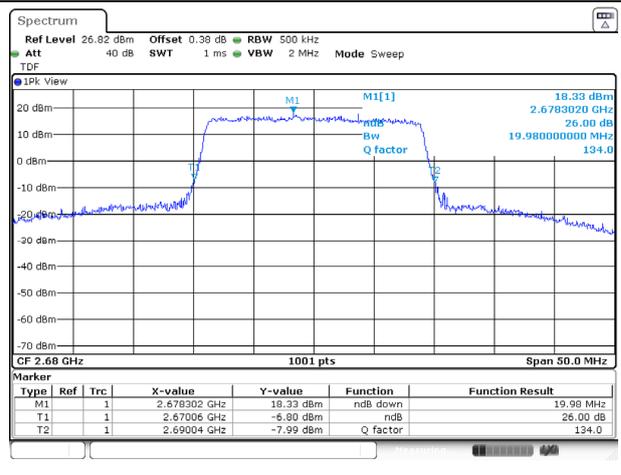
## 20M BW / 16QAM / Mid ch.



## 20M BW / QPSK / High ch.

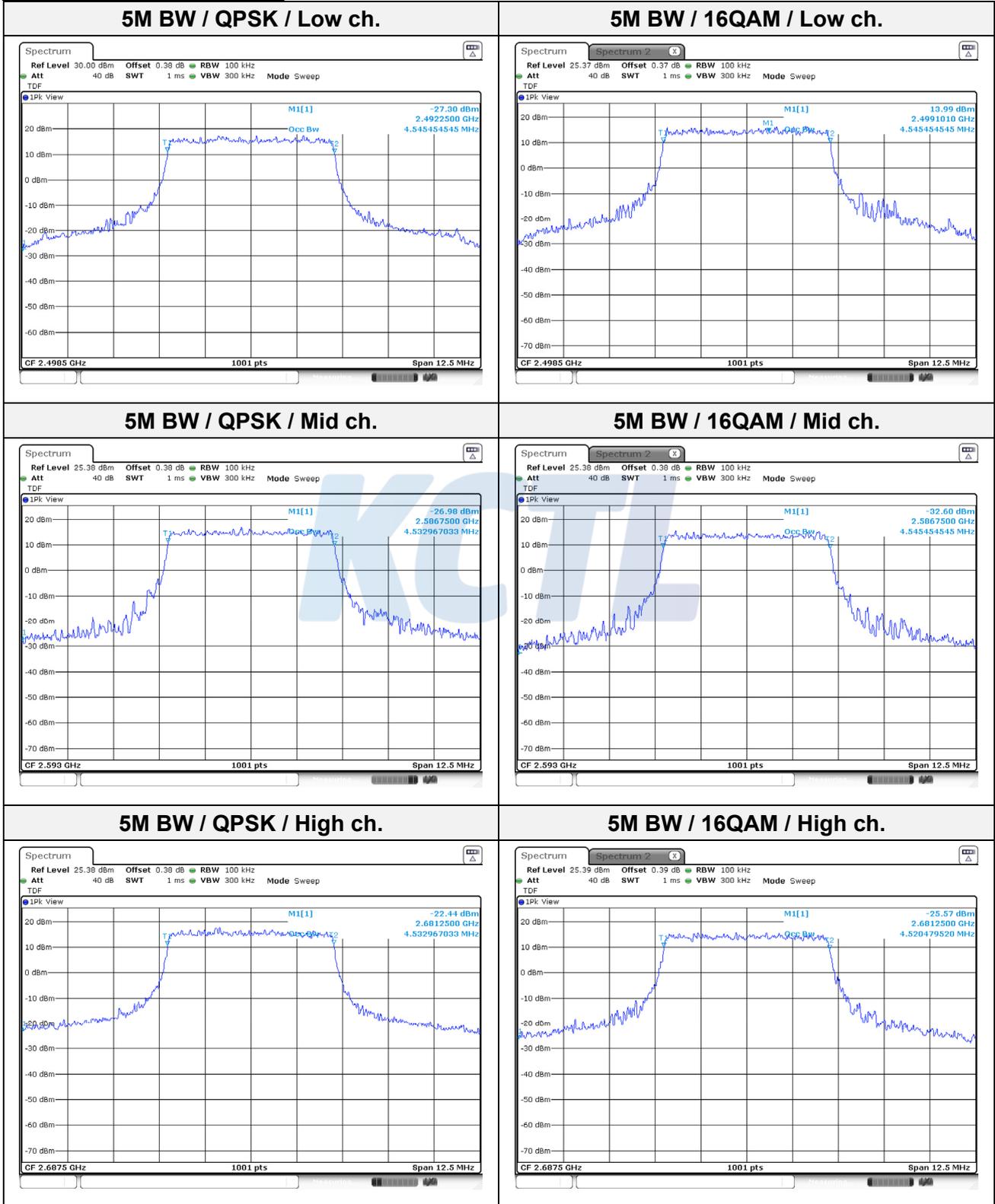


## 20M BW / 16QAM / High ch.



**99% Occupied Bandwidth**

**Test mode: LTE Band 41**



# KCTL Inc.

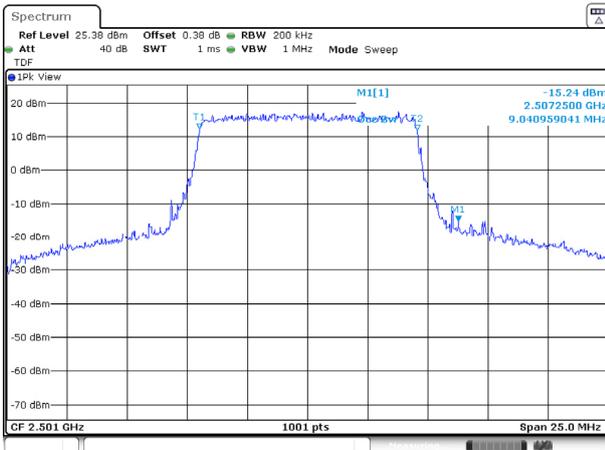
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR20-SRF0024

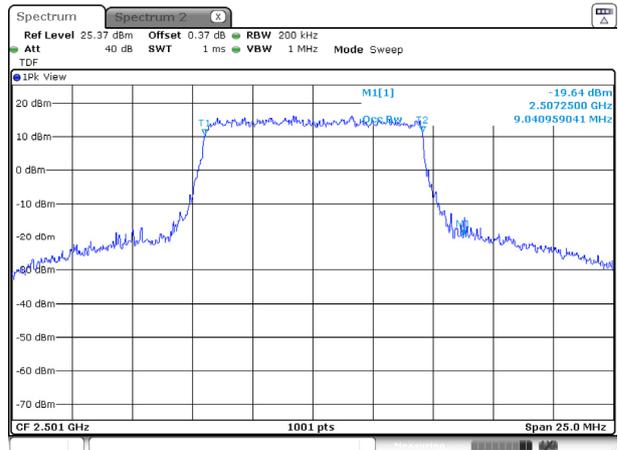
Page (20) of (49)



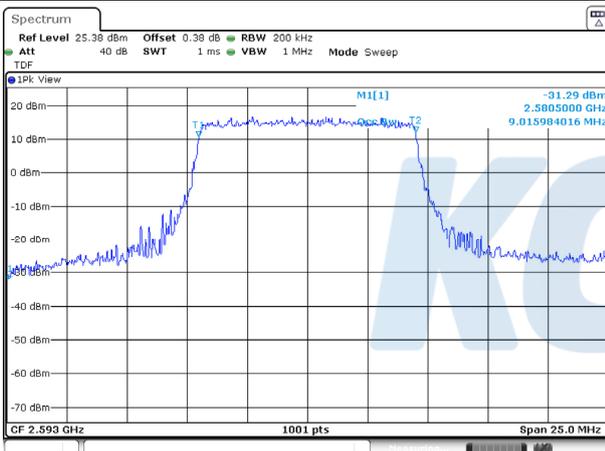
## 10M BW / QPSK / Low ch.



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



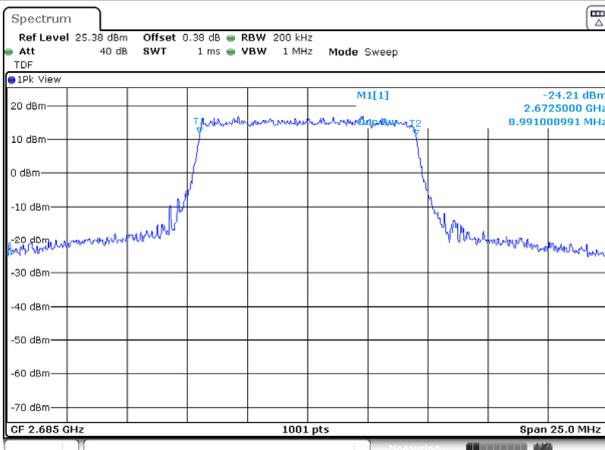
## 10M BW / QPSK / Mid ch.



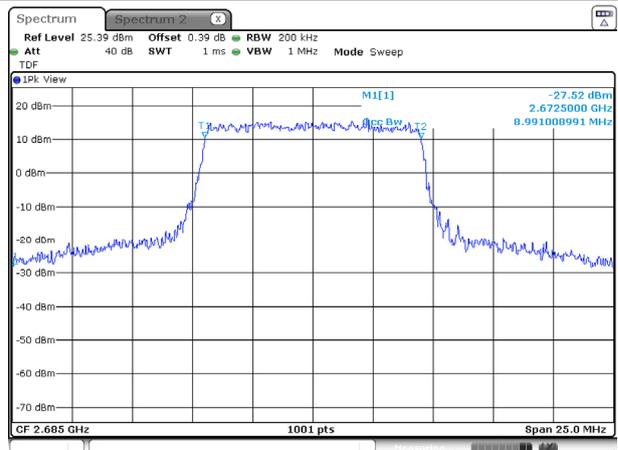
## 10M BW / 16QAM / Mid ch.



## 10M BW / QPSK / High ch.



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



# KCTL Inc.

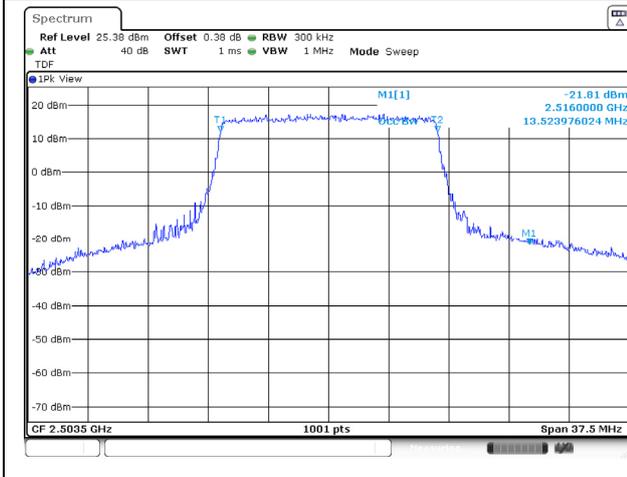
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR20-SRF0024

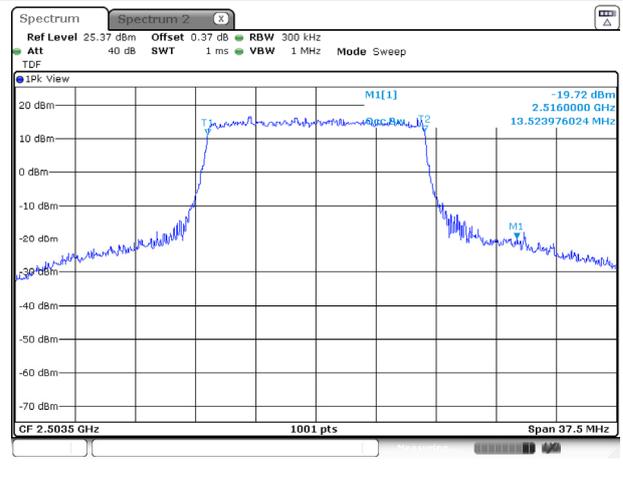
Page (21) of (49)



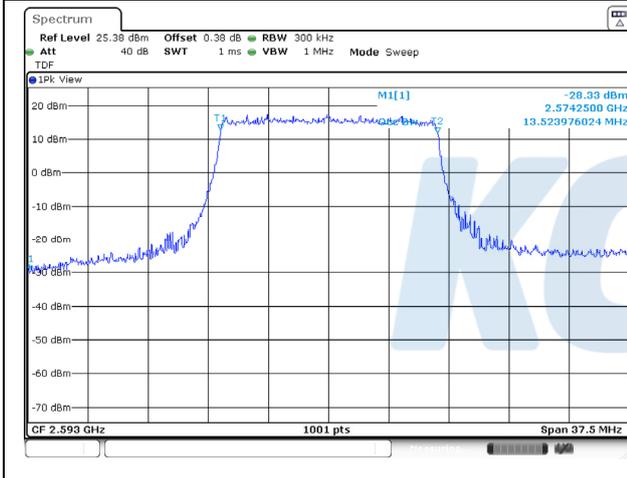
## 15M BW / QPSK / Low ch.



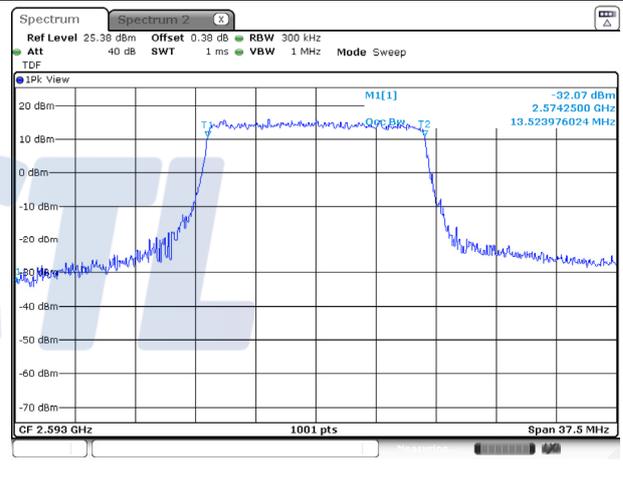
## 15M BW / 16QAM / Low ch.



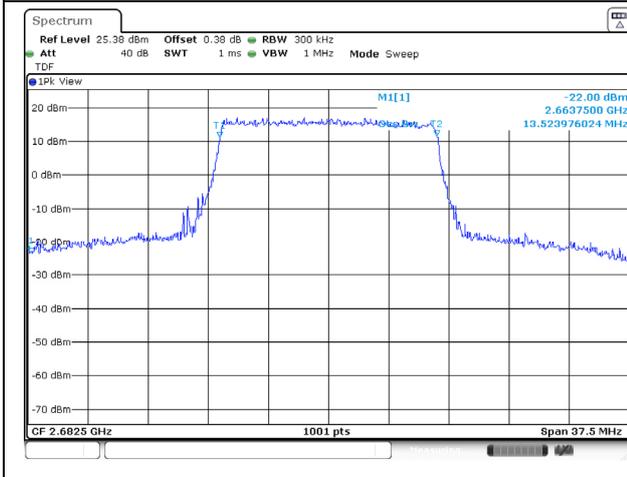
## 15M BW / QPSK / Mid ch.



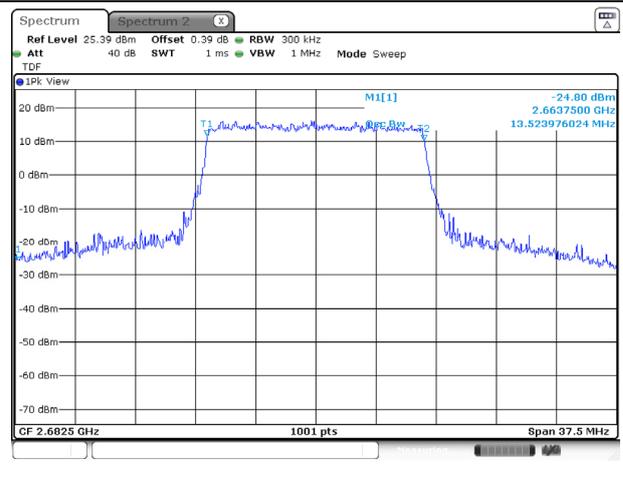
## 15M BW / 16QAM / Mid ch.



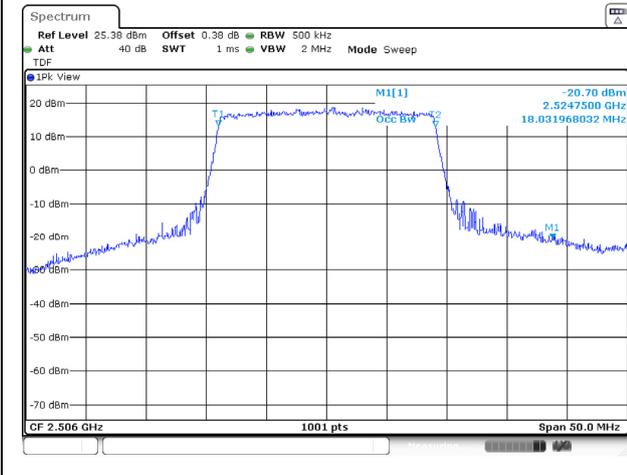
## 15M BW / QPSK / High ch.



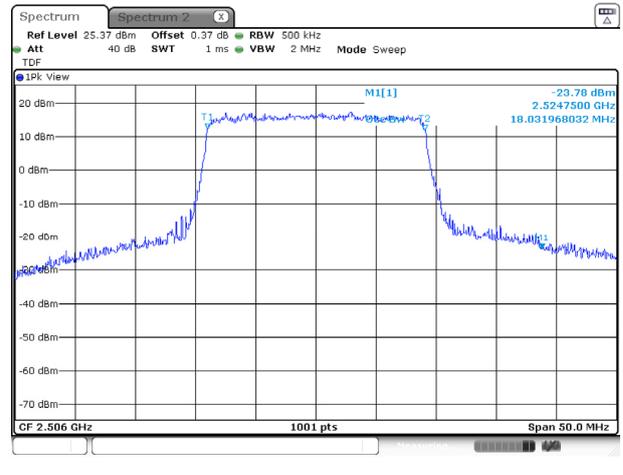
## 15M BW / 16QAM / High ch.



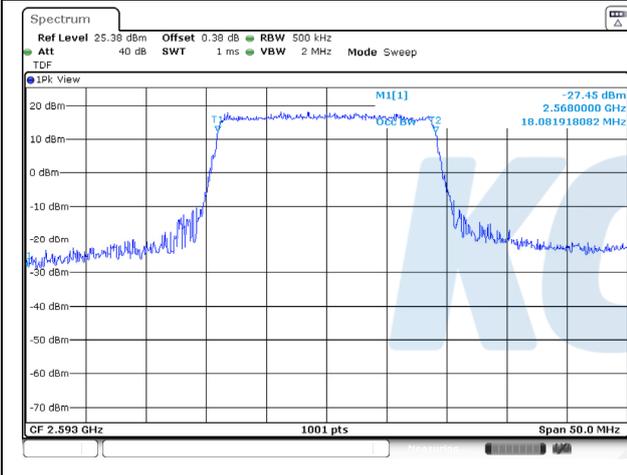
**20M BW / QPSK / Low ch.**



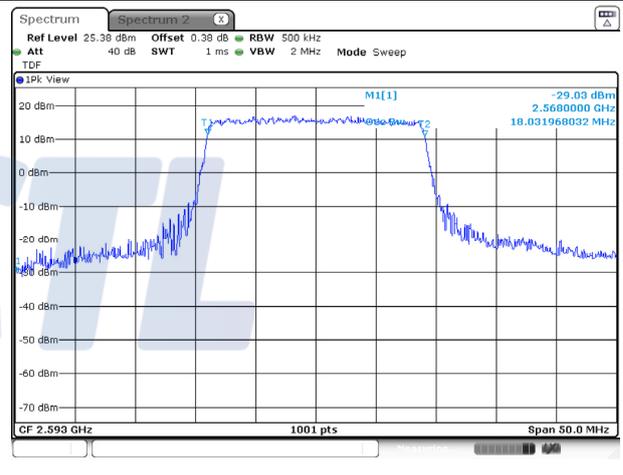
**20M BW / 16QAM / Low ch.**



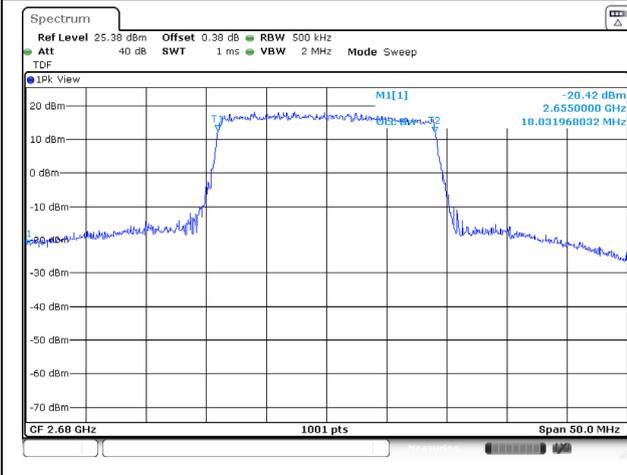
**20M BW / QPSK / Mid ch.**



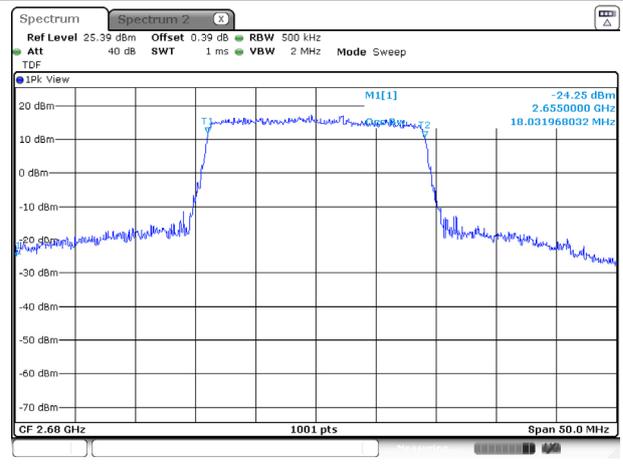
**20M BW / 16QAM / Mid ch.**



**20M BW / QPSK / High ch.**

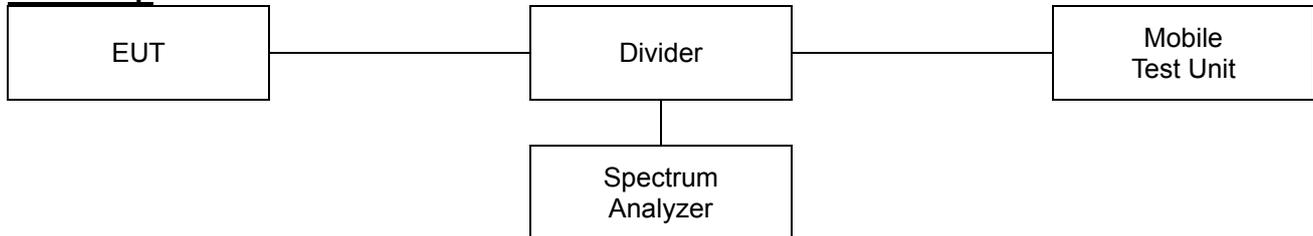


**20M BW / 16QAM / High ch.**



### 7.3. Spurious Emissions at Antenna Terminal

#### Test setup



#### Limit

According to §27.53(m)(4), the minimum permissible attenuation level of any spurious emission is  $55 + 10\log(P_{\text{Watts}})$  dB.

#### Test procedure

971168 D01 v03r01 - Section 6  
ANSI 63.26-2015 – Section 5.7

#### Test settings

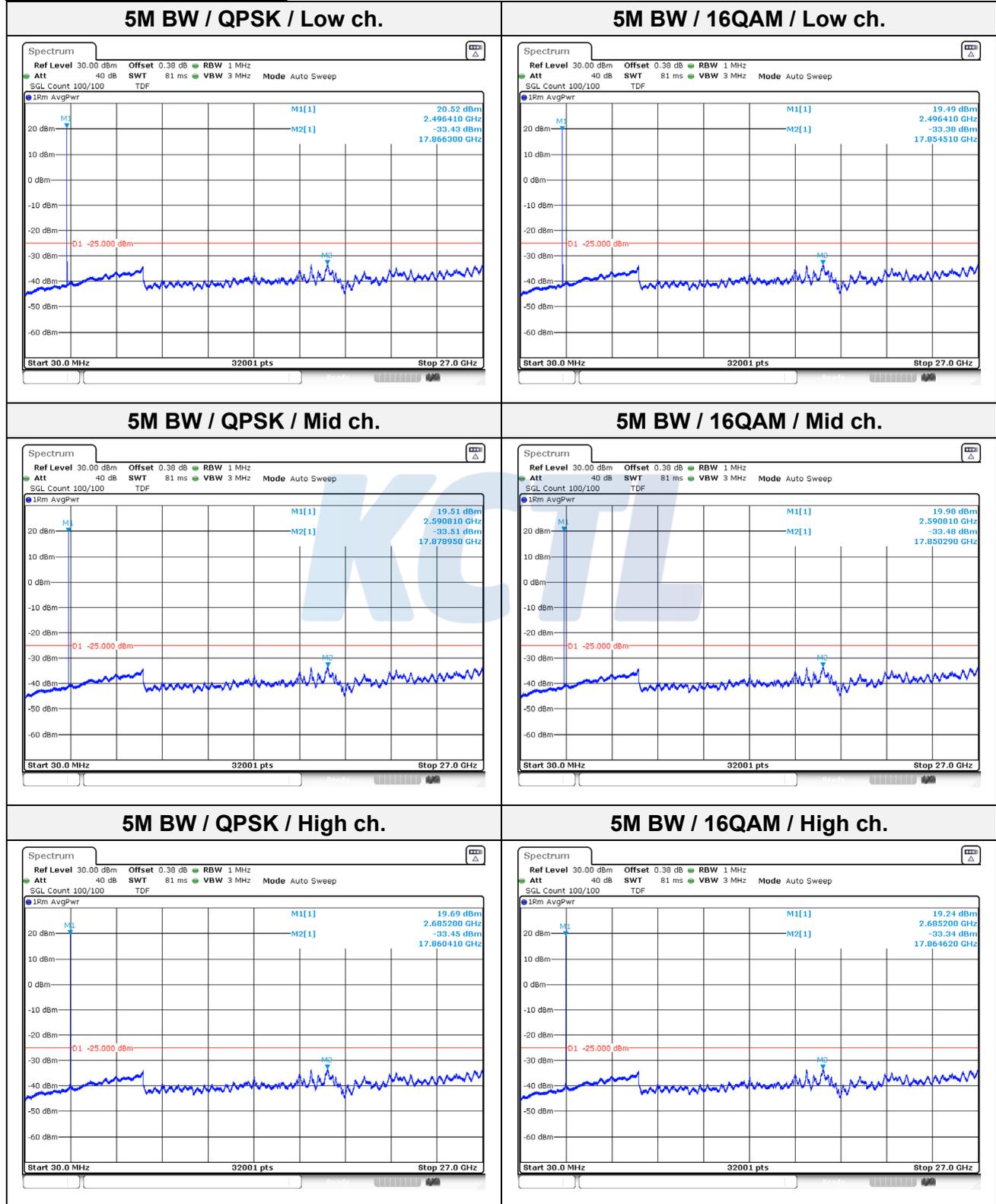
- 1) Start frequency was set to 30 MHz and stop frequency was set to at least 10<sup>th</sup> the fundamental frequency.
- 2) Detector = RMS
- 3) Sweep time = auto couple.
- 4) Trace mode = trace average
- 5) Allow trace to fully stabilize.
- 6) Please see test notes below RBW and VBW settings.

#### Notes:

1. Per 27.53(m)(6), compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

**Test results**

**Test mode: LTE Band 41**



# KCTL Inc.

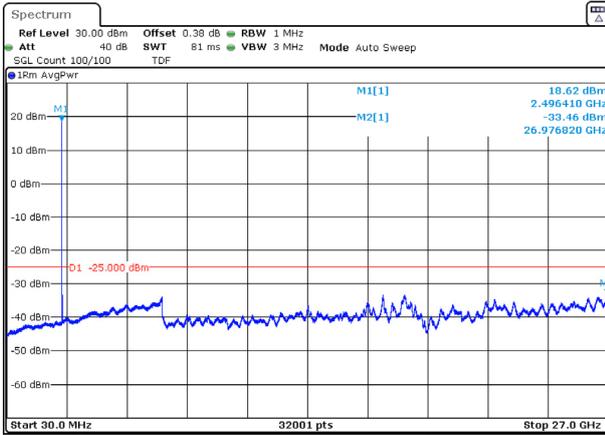
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR20-SRF0024

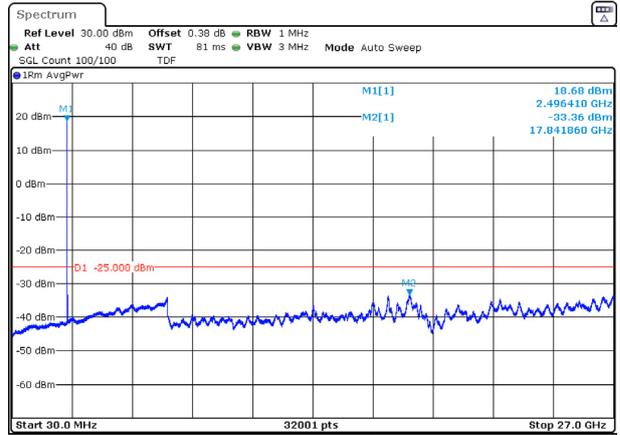
Page (25) of (49)



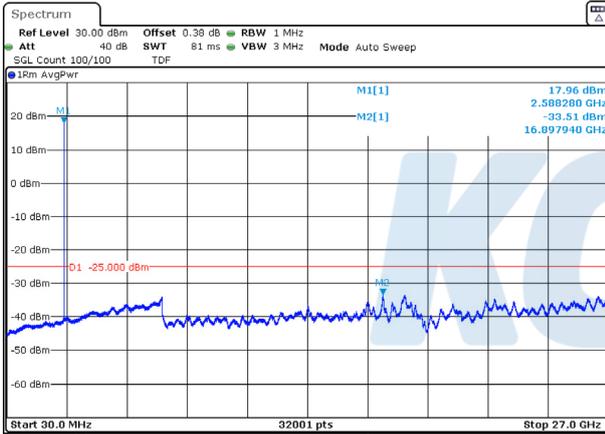
## 10M BW / QPSK / Low ch.



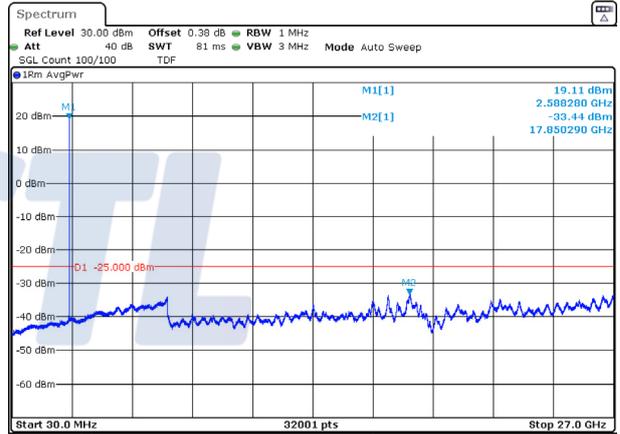
## 10M BW / 16QAM / Low ch.



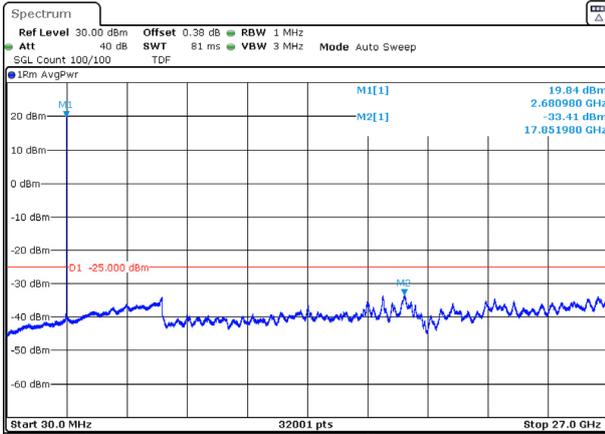
## 10M BW / QPSK / Mid ch.



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



## 10M BW / QPSK / High ch.



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

