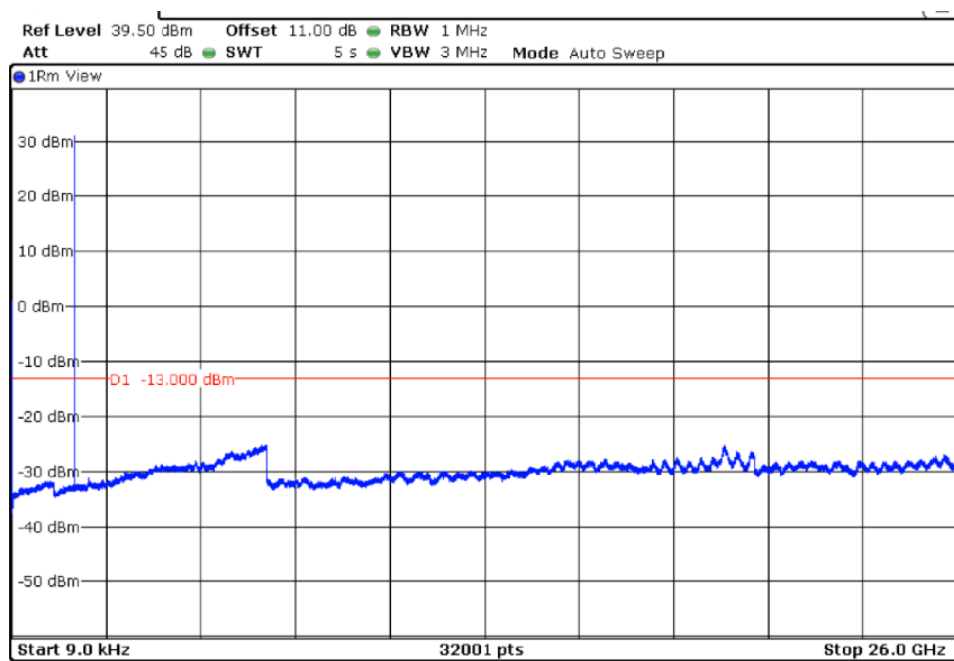


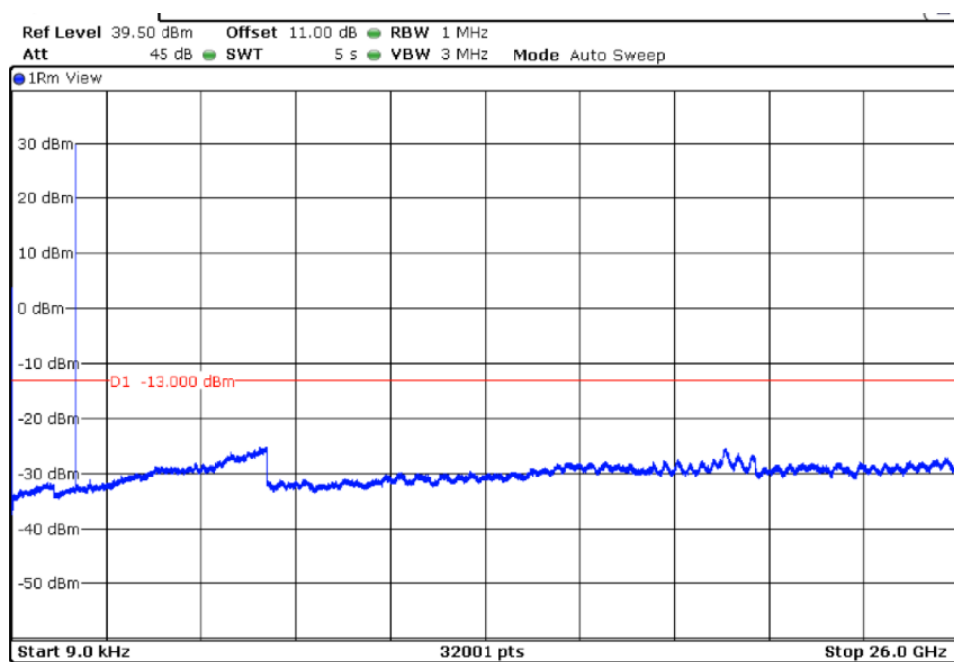
## TEST RESULTS (Cont):

LTE QPSK MODULATION. BW = 1.4MHz

Lowest Channel

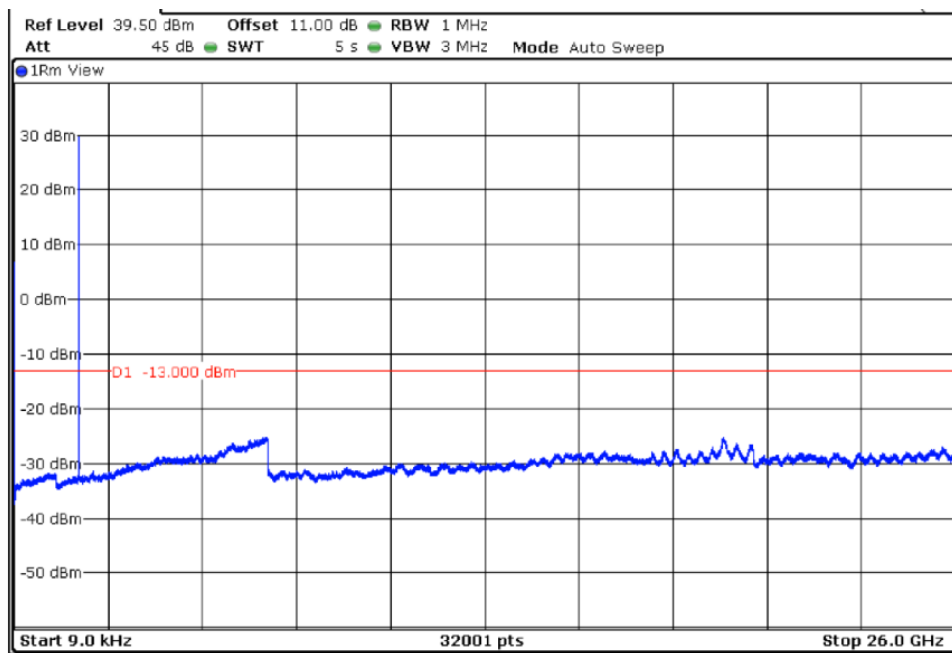


Middle Channel



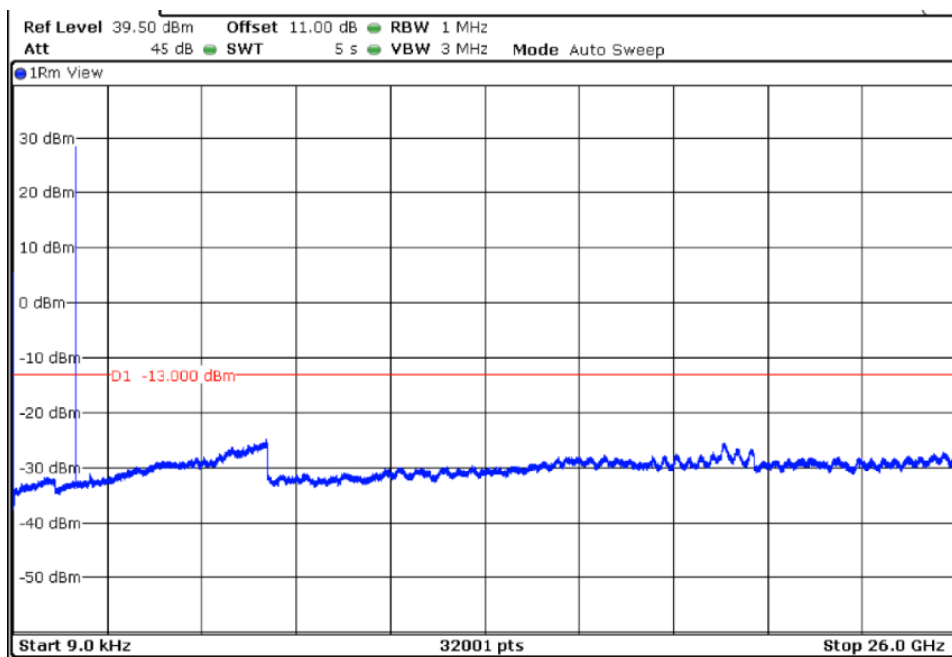
## TEST RESULTS (Cont):

### Highest Channel



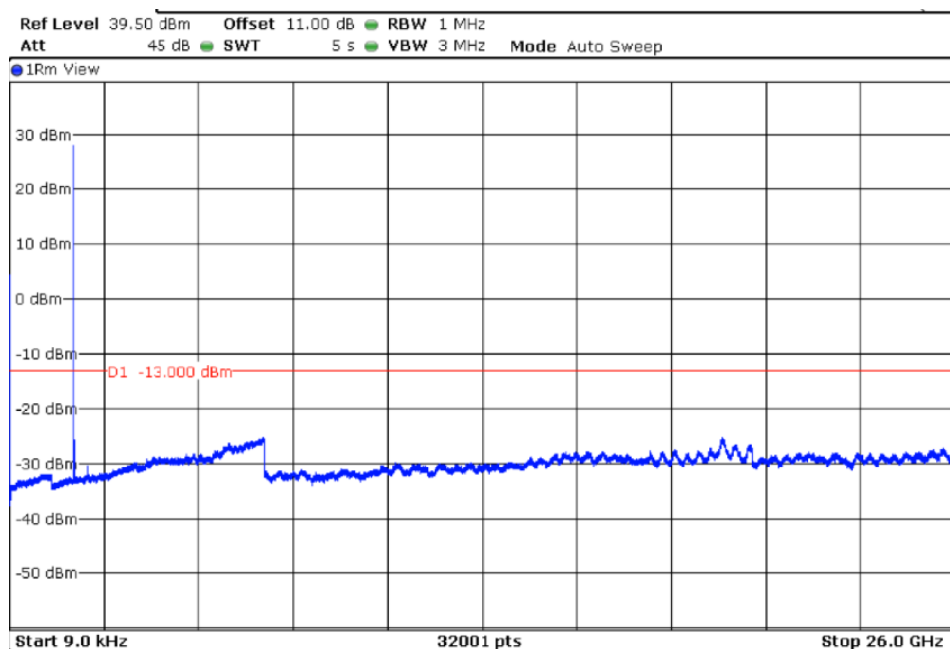
LTE QPSK MODULATION. BW = 3 MHz

### Lowest Channel

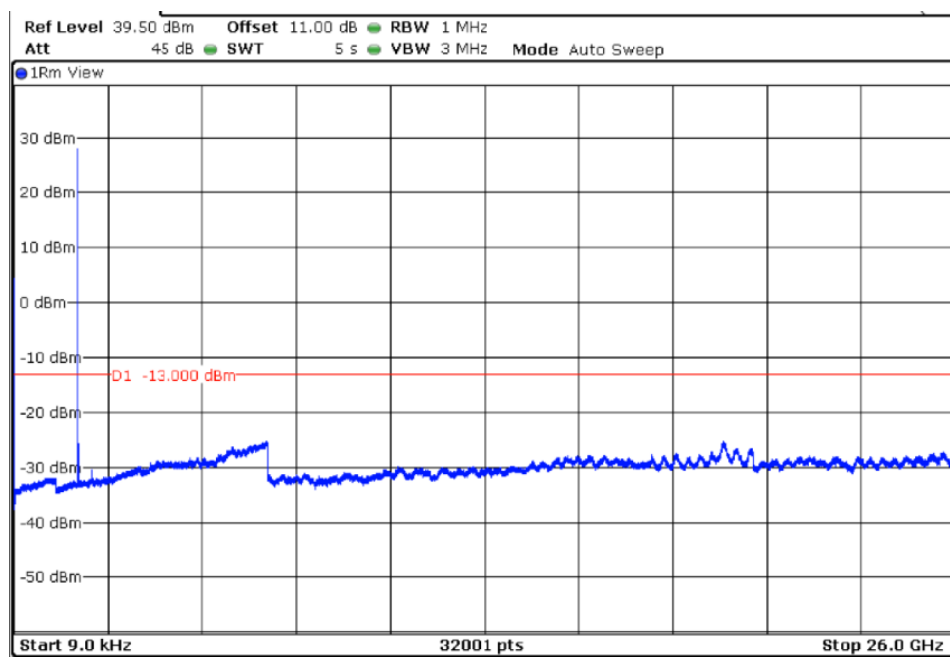


## TEST RESULTS (Cont):

### Middle Channel



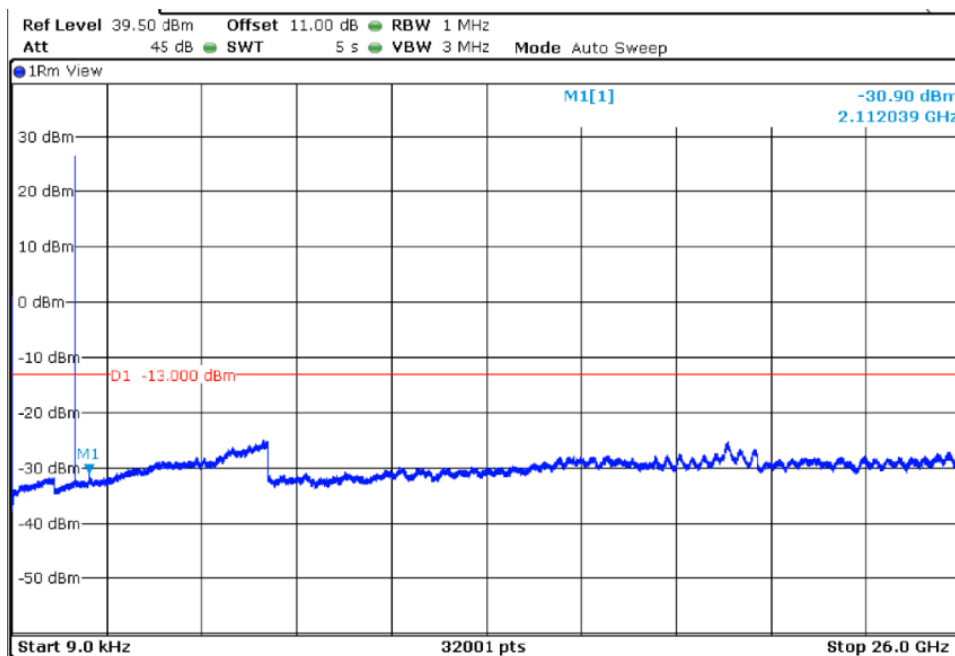
### Highest Channel



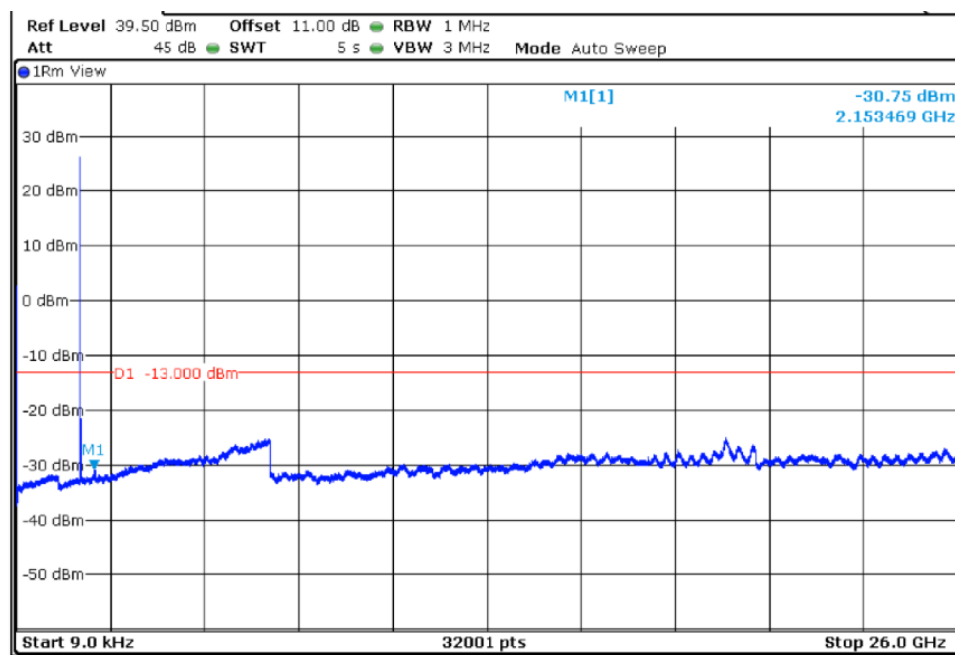
## TEST RESULTS (Cont):

LTE QPSK MODULATION. BW = 5 MHz

Lowest Channel

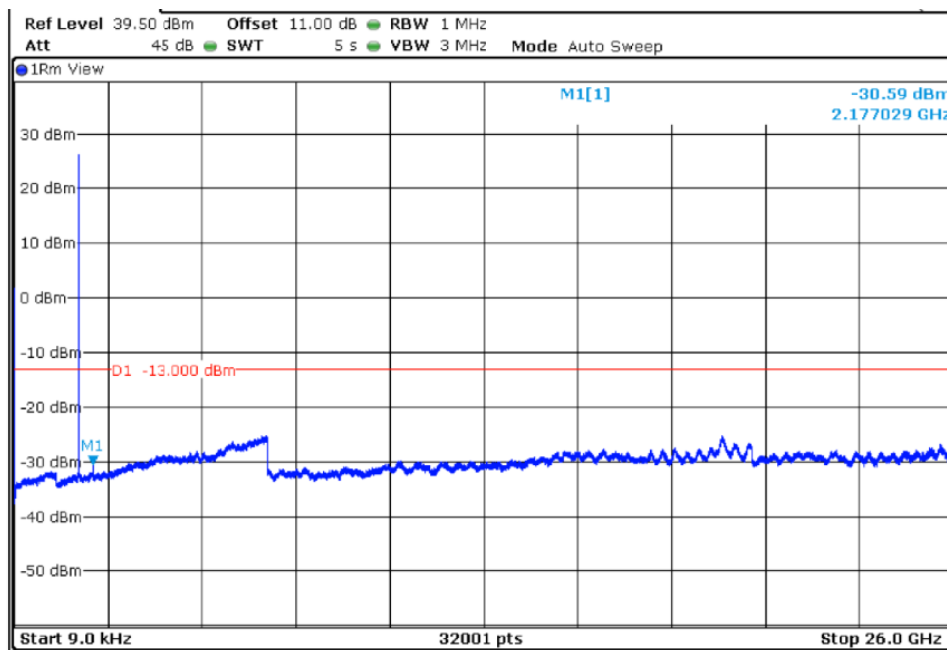


Middle Channel



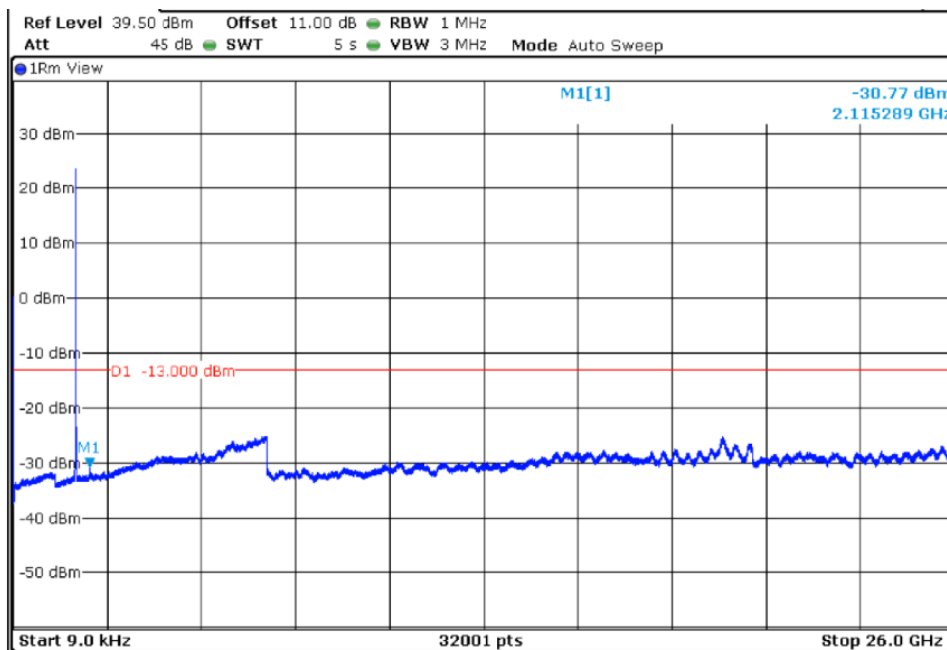
## TEST RESULTS (Cont):

### Highest Channel



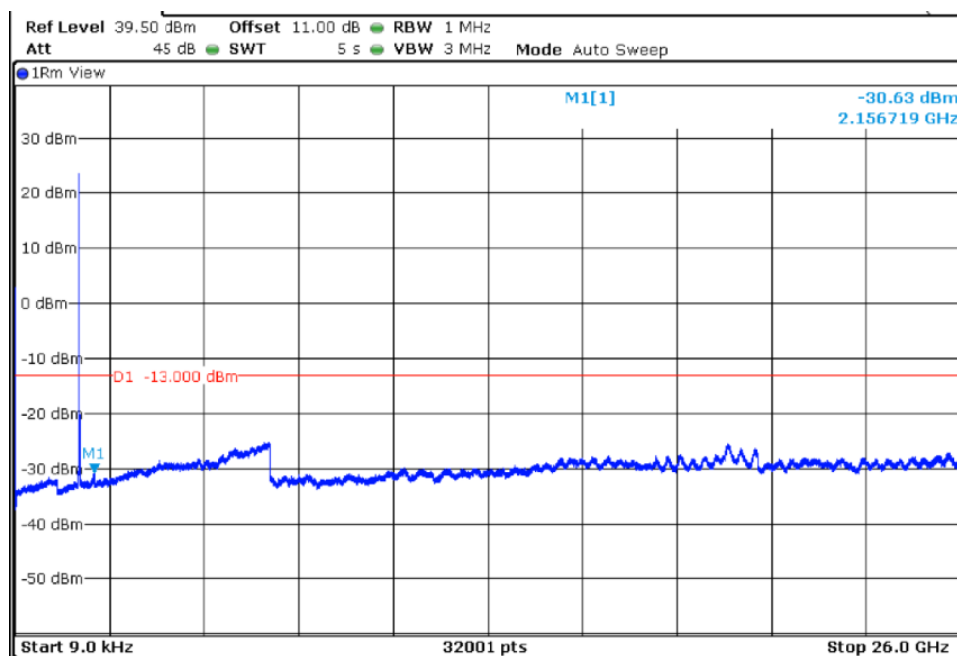
LTE QPSK MODULATION. BW = 10 MHz

### Lowest Channel

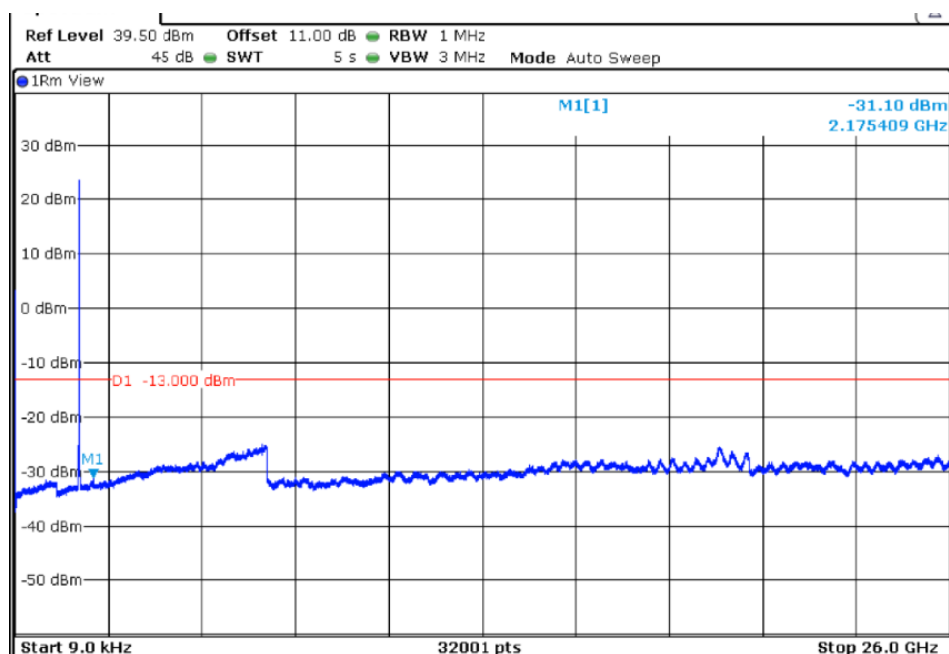


## TEST RESULTS (Cont):

### Middle Channel



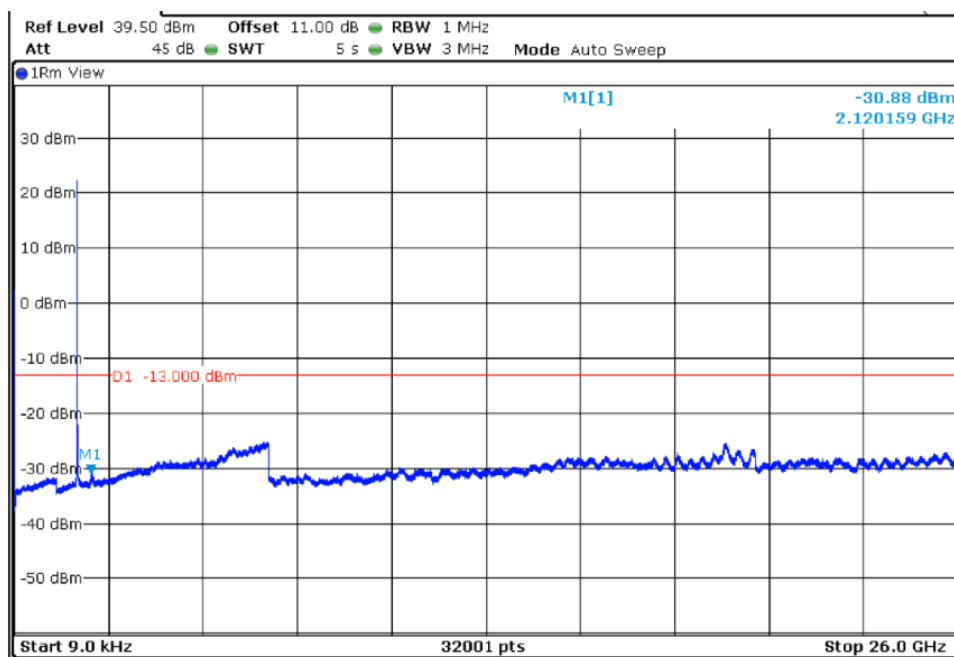
### Highest Channel



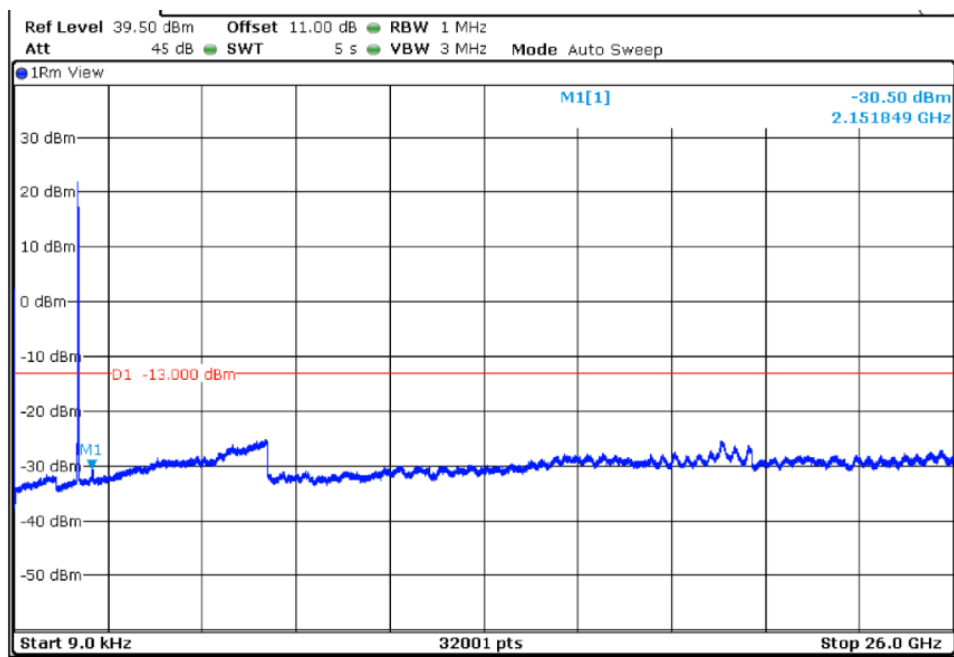
## TEST RESULTS (Cont):

LTE QPSK MODULATION. BW = 15 MHz

Lowest Channel

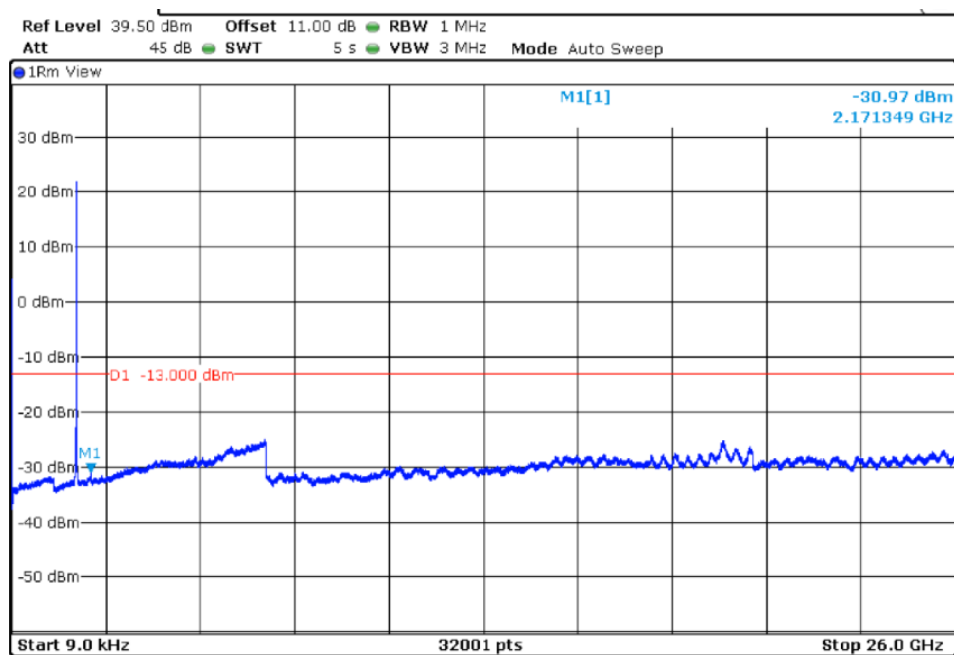


Middle Channel



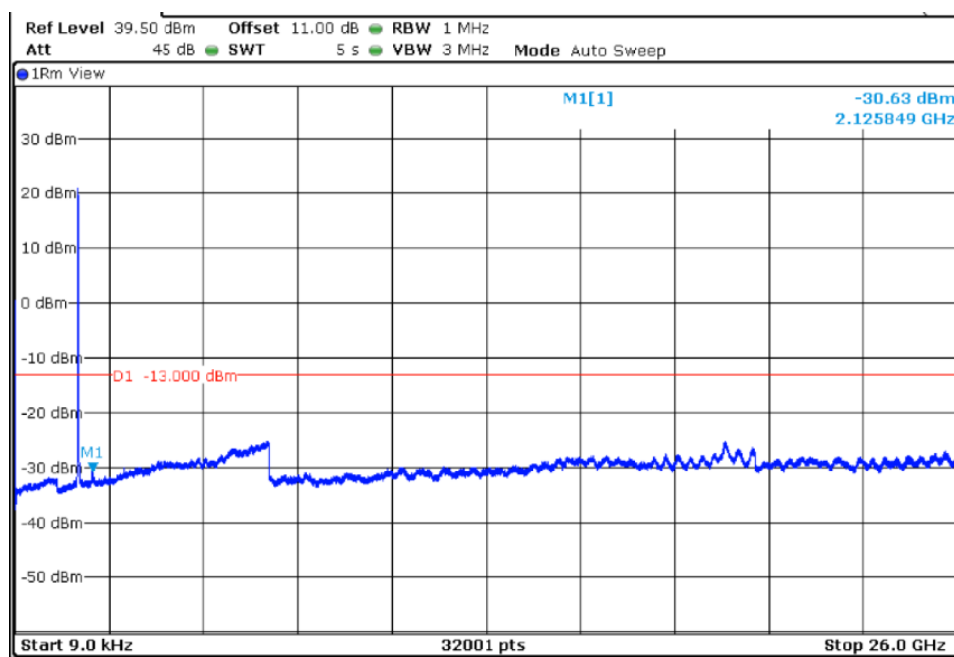
## TEST RESULTS (Cont):

### Highest Channel



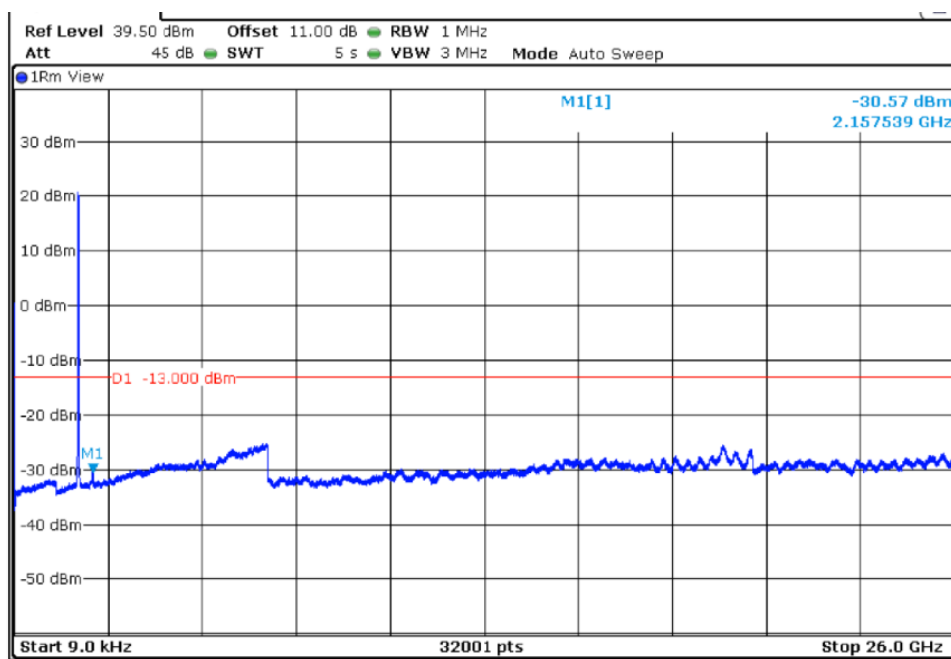
LTE QPSK MODULATION. BW = 20 MHz

### Lowest Channel

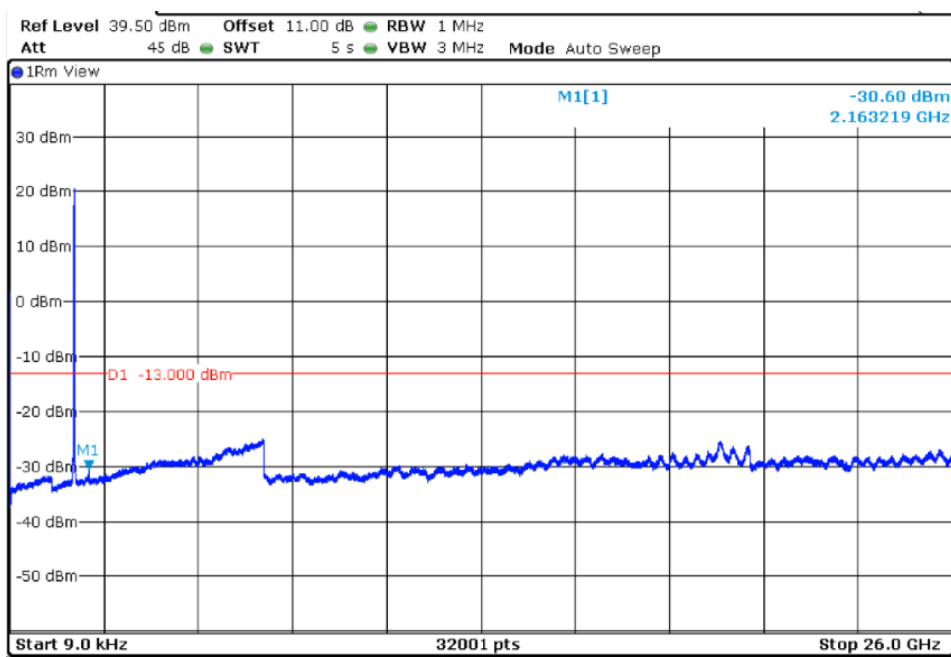


## TEST RESULTS (Cont):

### Middle Channel



### Highest Channel



## TEST A6: SPURIOUS EMISSIONS AT ANTENNA TERMINALS AT BLOCK EDGES

|                |                   |                                                                        |
|----------------|-------------------|------------------------------------------------------------------------|
| <b>LIMITS:</b> | Product standard: | FCC Part 27 / IC RSS-199 / RSS-130/RSS-139                             |
|                | Test standard:    | FCC § 27.53 / RSS- Clause 4.5 / RSS-Clause 130 4.7/ RSS-139 Clause 6.6 |

### LIMITS

According to specification, the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log(P)$  dB. P in watts.

At  $P_o$  transmitting power of 2 watts (33 dBm), the specified minimum attenuation becomes  $43 + 10 \log(P_o)$ , and the level in dBm relative to  $P_o$  becomes:

$$P_o \text{ (dBm)} - [43 + 10 \log(P_o \text{ in watts})] = -13 \text{ dBm}$$

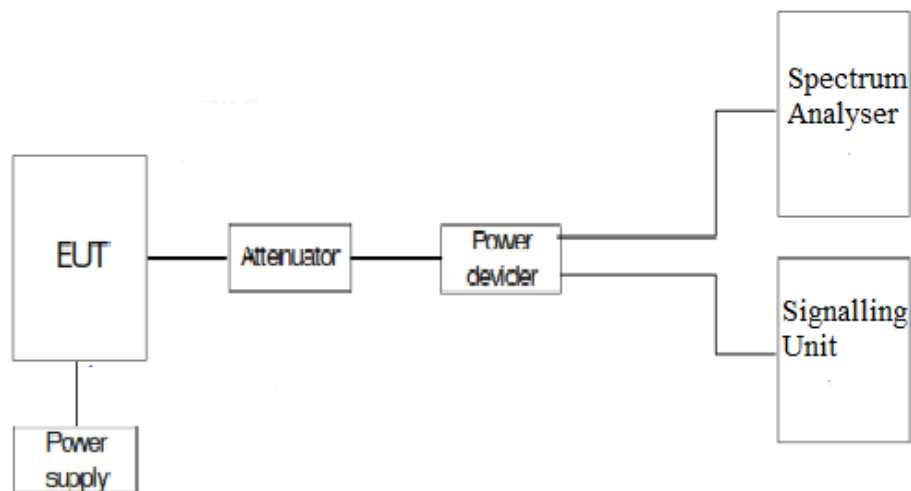
### TEST SETUP

The EUT RF output connector was connected to a spectrum analyzer and to the Universal Radio Communication Tester R&S CMW500 (selecting maximum transmission power of the EUT and different modes of modulation) using a 50-ohm attenuator and a power splitter.

The reading of the spectrum analyzer is corrected with the attenuation loss of connection between output terminal of EUT and input of the spectrum analyzer.

For LTE mode the configuration of modulation which is the worst case for conducted power was used.

As indicated in FCC part 27.53 (h) (3), in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block or band, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

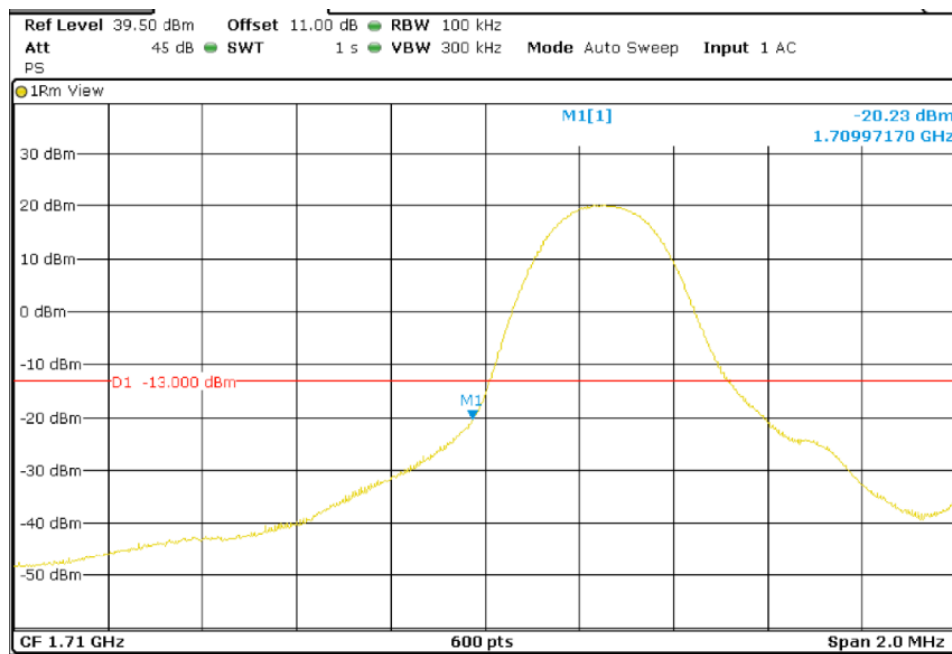


| TESTED SAMPLES:                                                    |                                             | S/01                                         |                                              |                                               |                                               |                                               |
|--------------------------------------------------------------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| TESTED CONDITIONS MODES:                                           |                                             | TC#01 (Band 4)                               |                                              |                                               |                                               |                                               |
| TEST RESULTS:                                                      |                                             | PASS                                         |                                              |                                               |                                               |                                               |
| LTE QPSK MODULATION                                                | RB=1.<br><br>Offset=0.<br><br>BW=1.4 MHz    | RB=1.<br><br>Offset =0.<br><br>BW = 3 MHz    | RB=1.<br><br>Offset =0.<br><br>BW = 5 MHz    | RB=1.<br><br>Offset =0.<br><br>BW = 10 MHz    | RB=1.<br><br>Offset =0.<br><br>BW = 15 MHz    | RB=1.<br><br>Offset =0.<br><br>BW = 20 MHz    |
| Maximum measured level at lowest Block Edge at antenna port (dBm)  | -20.23                                      | -17.3                                        | -18.82                                       | -21.01                                        | -19.35                                        | -17.45                                        |
| LTE QPSK MODULATION:                                               | RB= All.<br><br>Offset=0.<br><br>BW=1.4 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 3 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 5 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 10 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 15 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 20 MHz |
| Maximum measured level at lowest Block Edge at antenna port (dBm)  | -23.16                                      | -24.68                                       | -26.2                                        | -16.61                                        | -21.07                                        | -16.51                                        |
| LTE QPSK MODULATION:                                               | RB= 1.<br><br>Offset=Max.<br><br>BW=1.4 MHz | RB= 1.<br><br>Offset=Max.<br><br>BW = 3 MHz  | RB= 1.<br><br>Offset=Max.<br><br>BW = 5 MHz  | RB= 1.<br><br>Offset=Max.<br><br>BW = 10 MHz  | RB= 1.<br><br>Offset=Max.<br><br>BW = 15 MHz  | RB= 1.<br><br>Offset=Max.<br><br>BW = 20 MHz  |
| Maximum measured level at highest Block Edge at antenna port (dBm) | -22.92                                      | -22.93                                       | -24.95                                       | -34.58                                        | -29.12                                        | -32.81                                        |
| LTE QPSK MODULATION:                                               | RB= All.<br><br>Offset=0.<br><br>BW=1.4 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 3 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 5 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 10 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 15 MHz | RB= All.<br><br>Offset =0.<br><br>BW = 20 MHz |
| Maximum measured level at highest Block Edge at antenna port (dBm) | -25.95                                      | -29.21                                       | -27.03                                       | -34.05                                        | -33.28                                        | -35.04                                        |

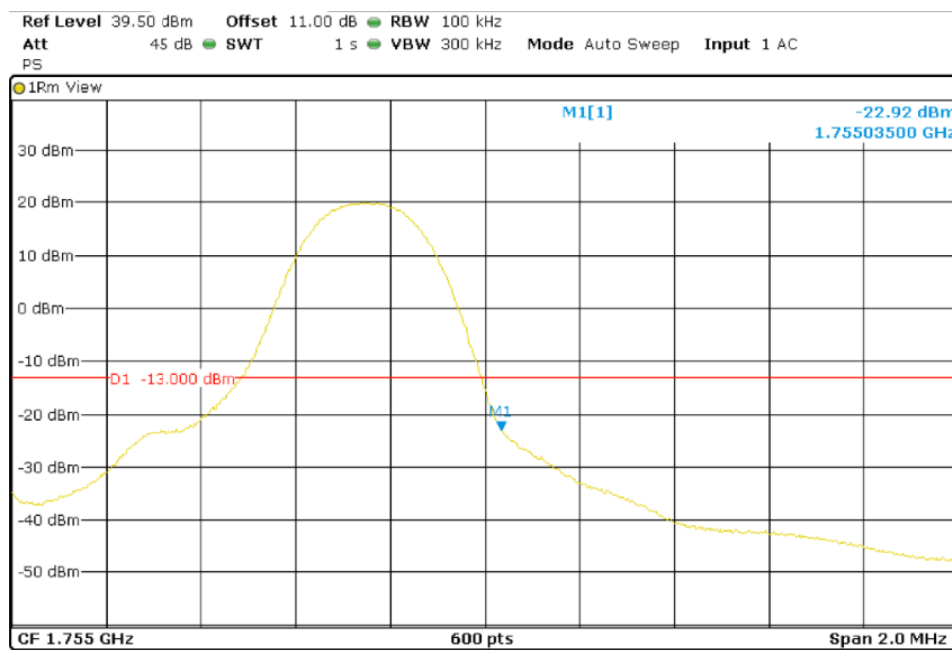
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 1.4 MHz

Lowest Channel



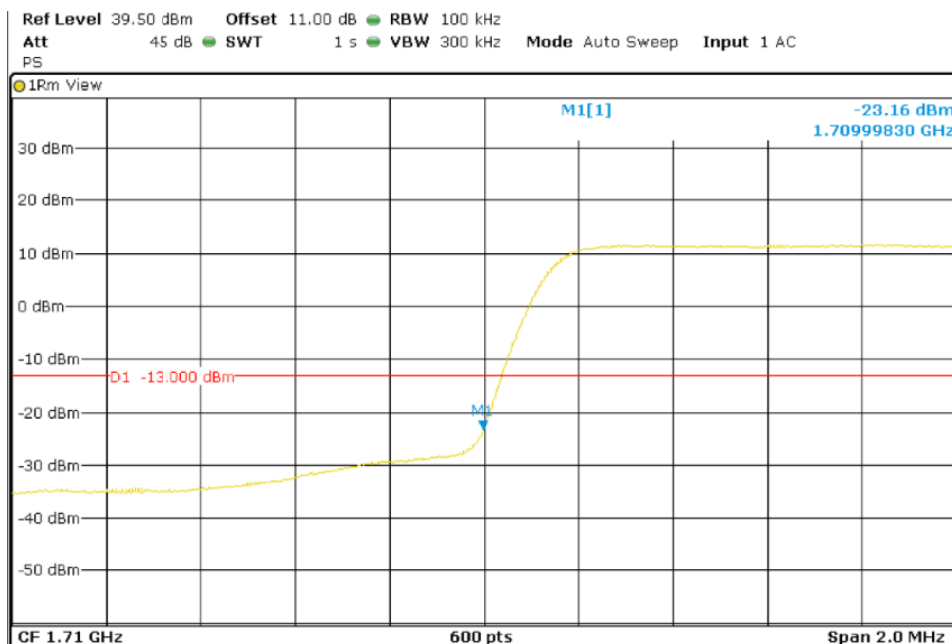
Highest Channel



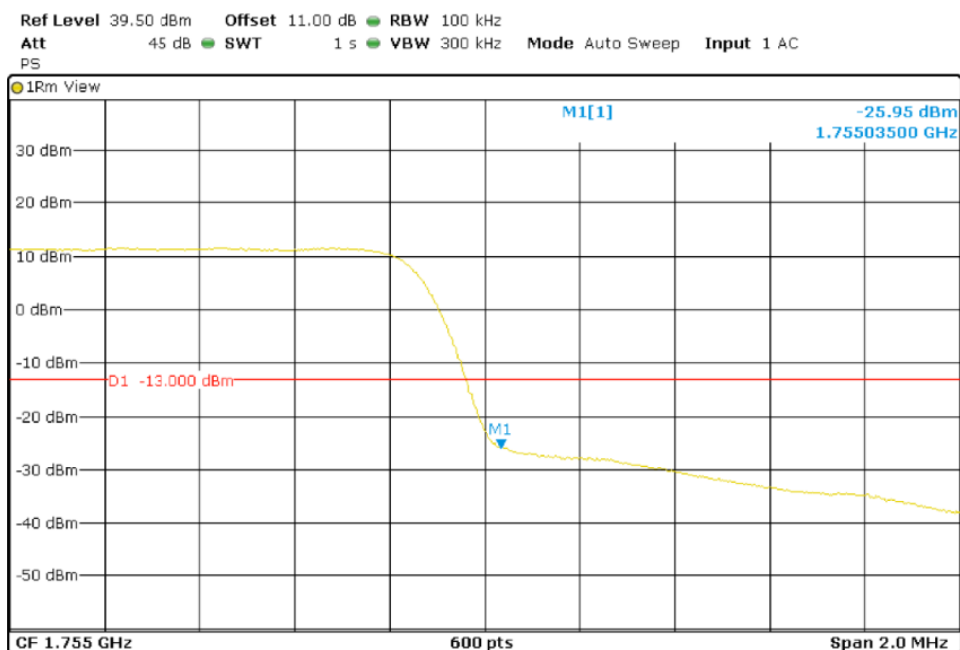
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 6. Offset = 0. BW = 1.4 MHz

Lowest Channel



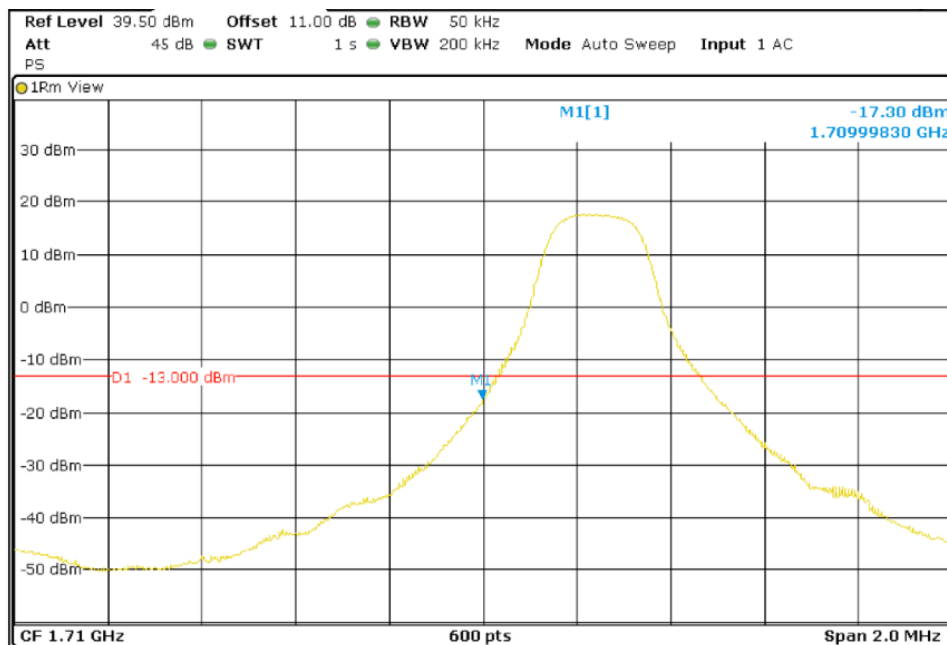
Highest Channel



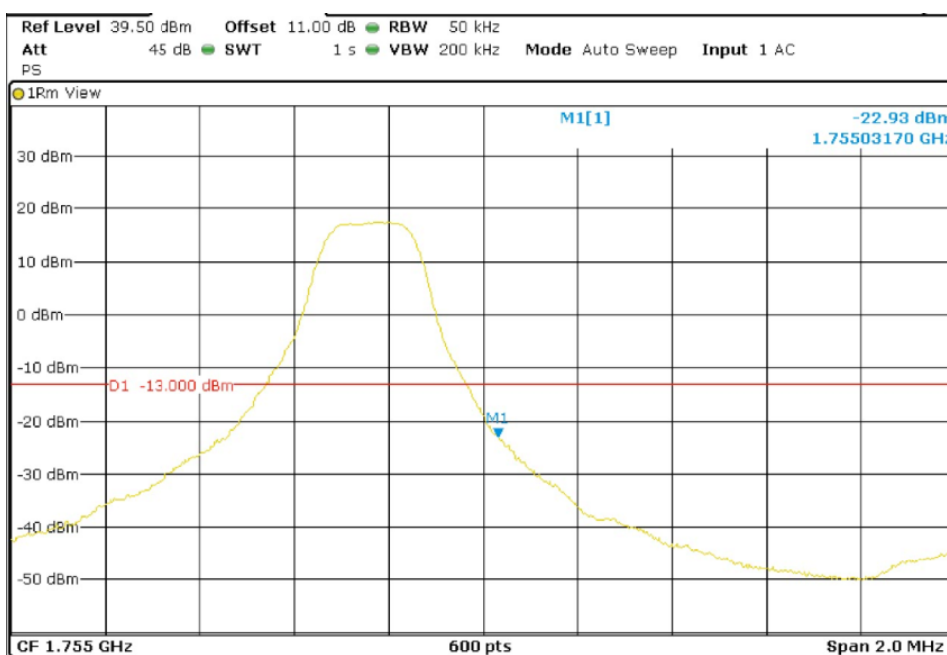
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 3 MHz

Lowest Channel



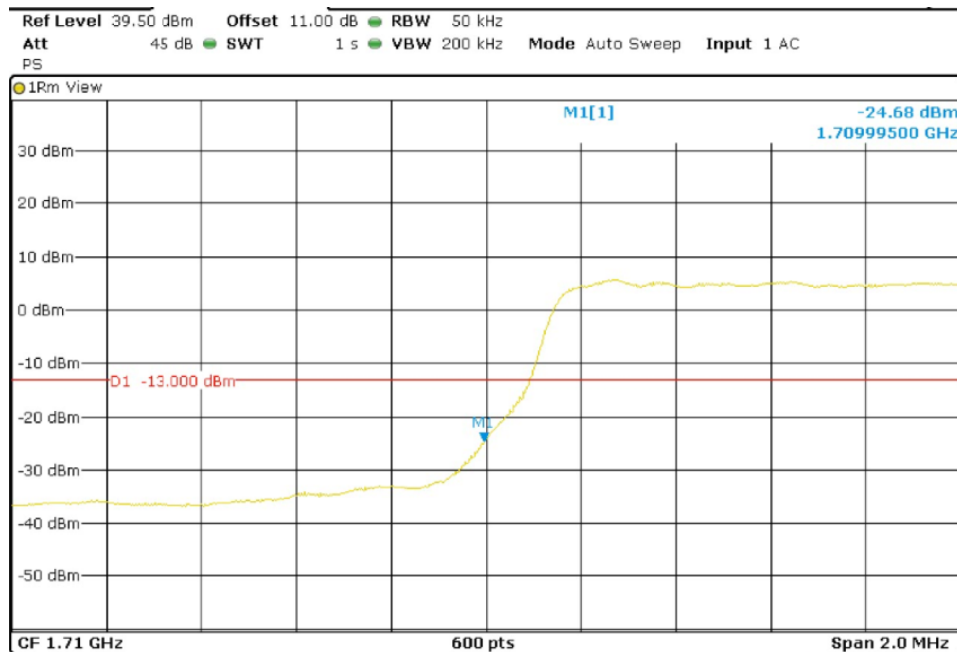
Highest Channel



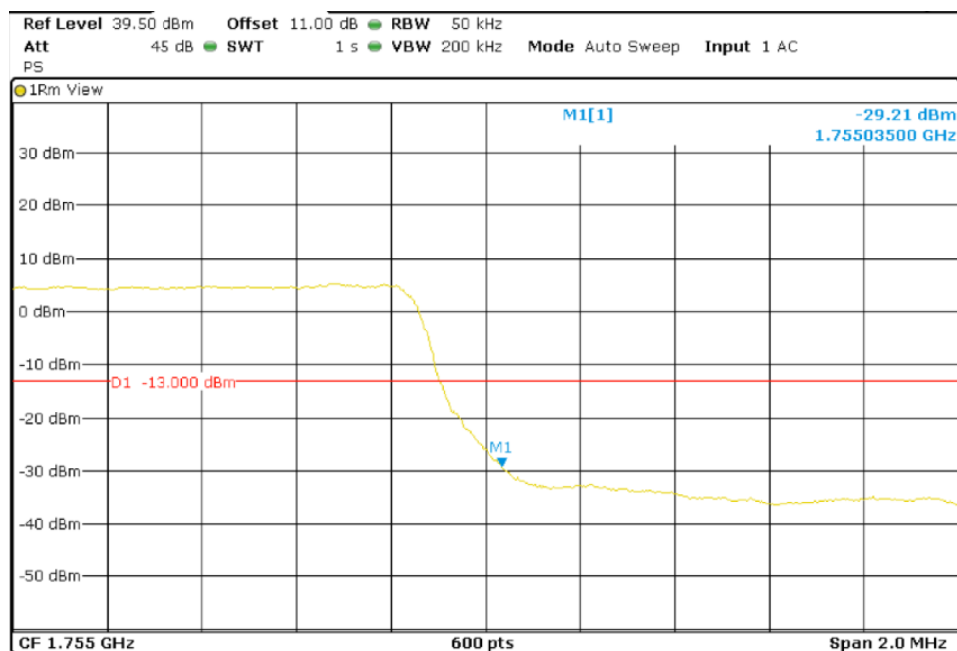
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 15. Offset = 0. BW = 3 MHz

Lowest Channel



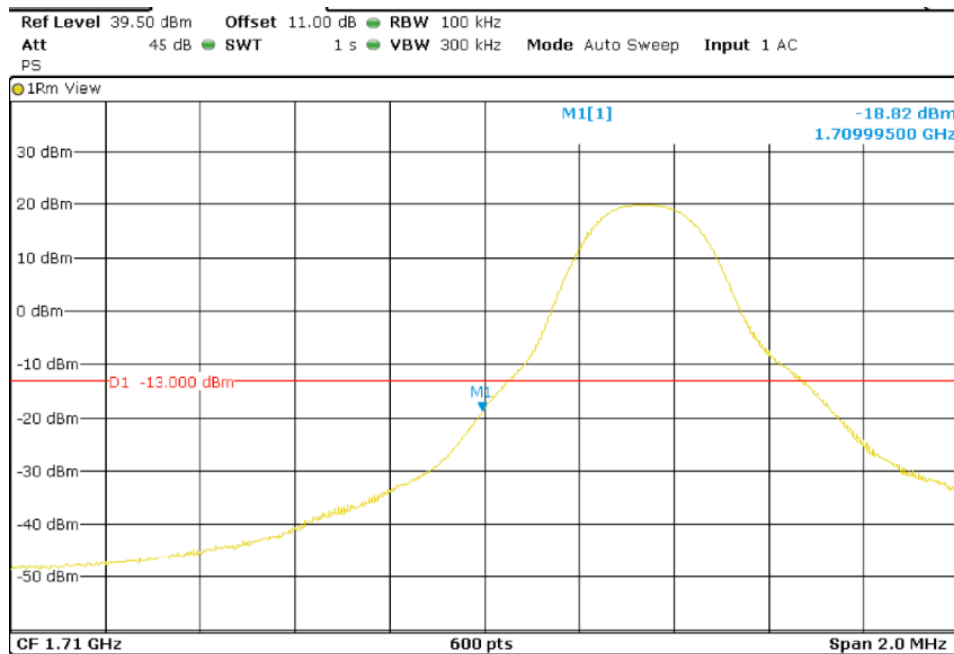
Highest Channel



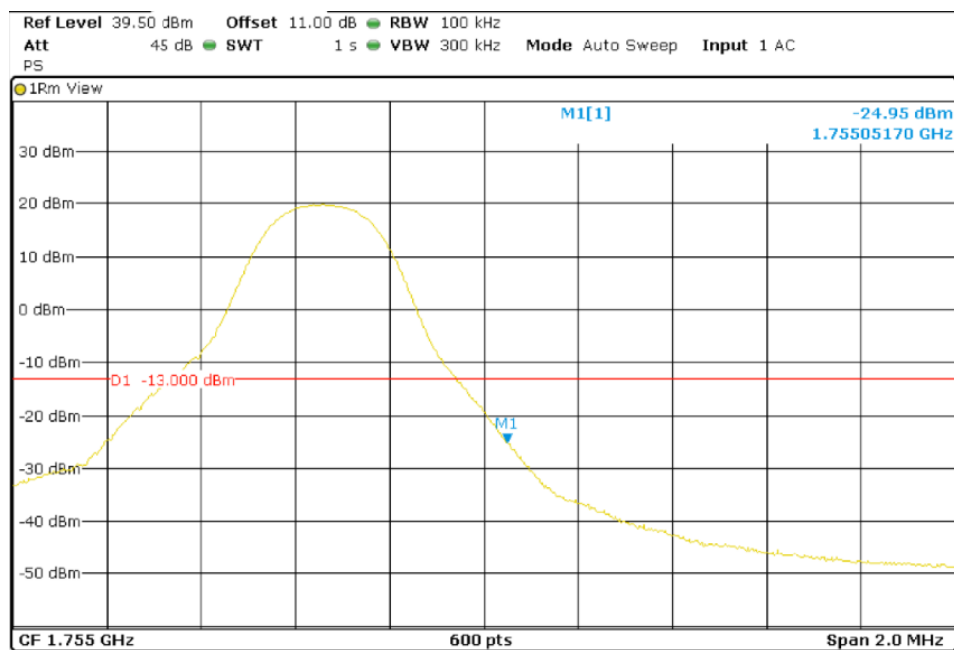
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 5 MHz

Lowest Channel



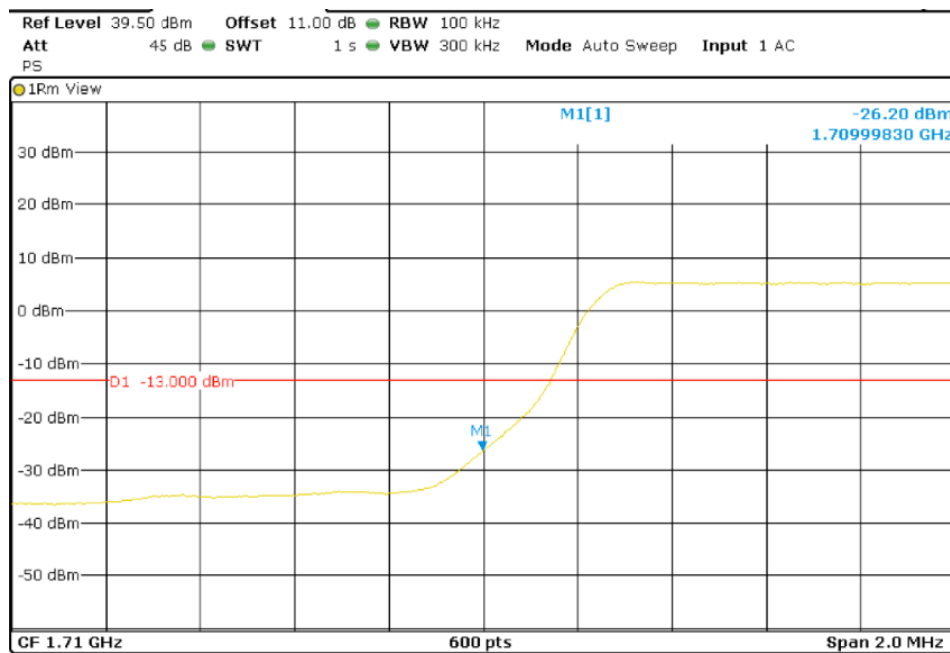
Highest Channel



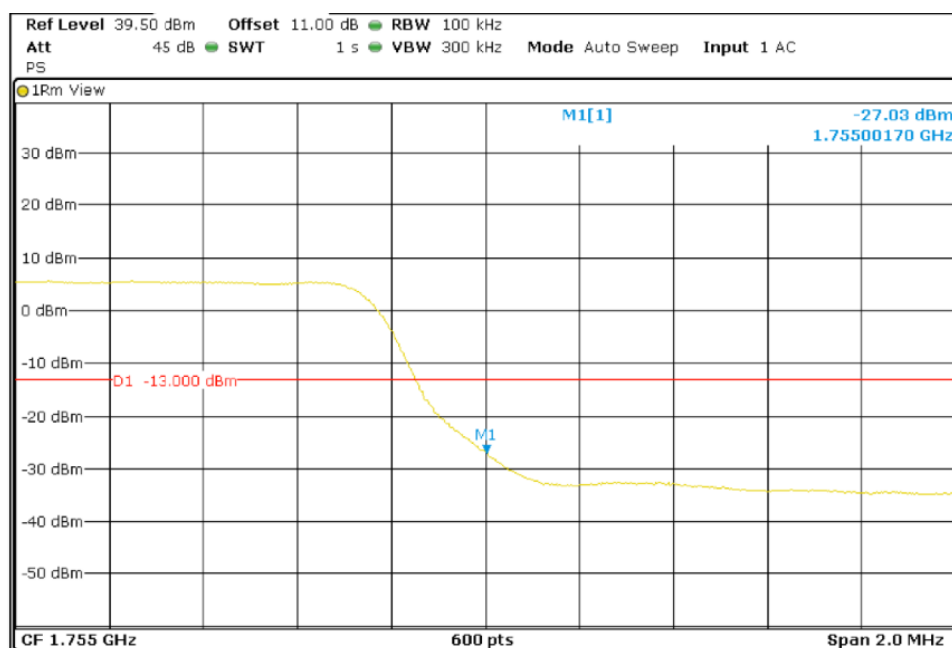
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 25. Offset = 0. BW = 5 MHz

Lowest Channel



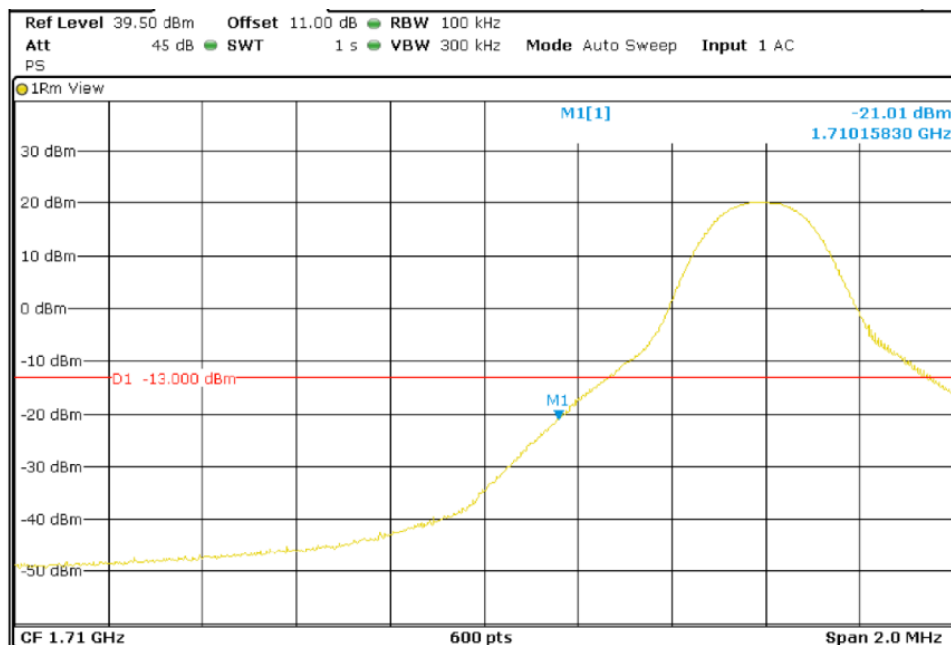
Highest Channel



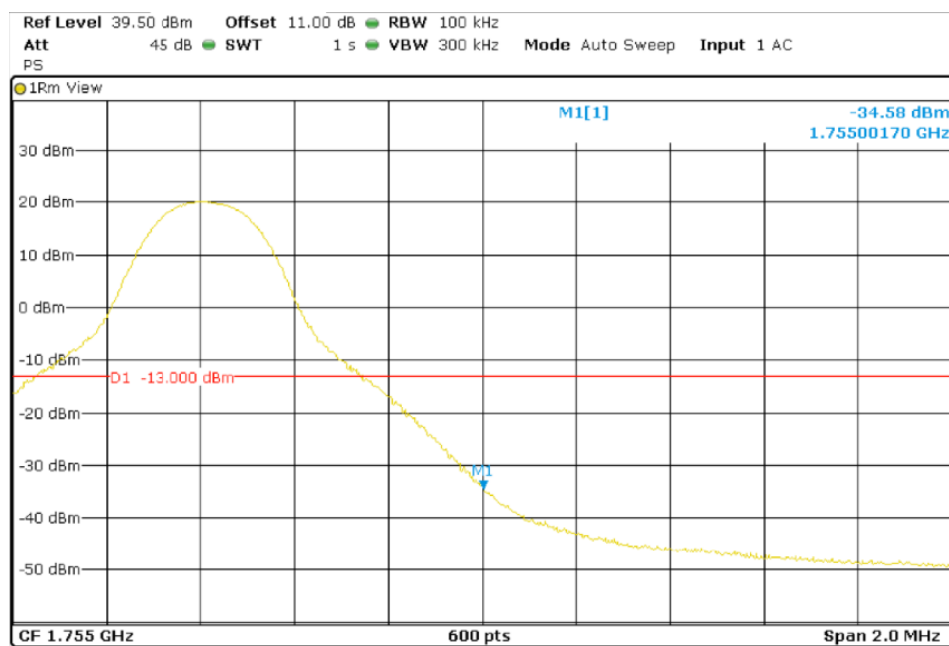
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 10 MHz

Lowest Channel



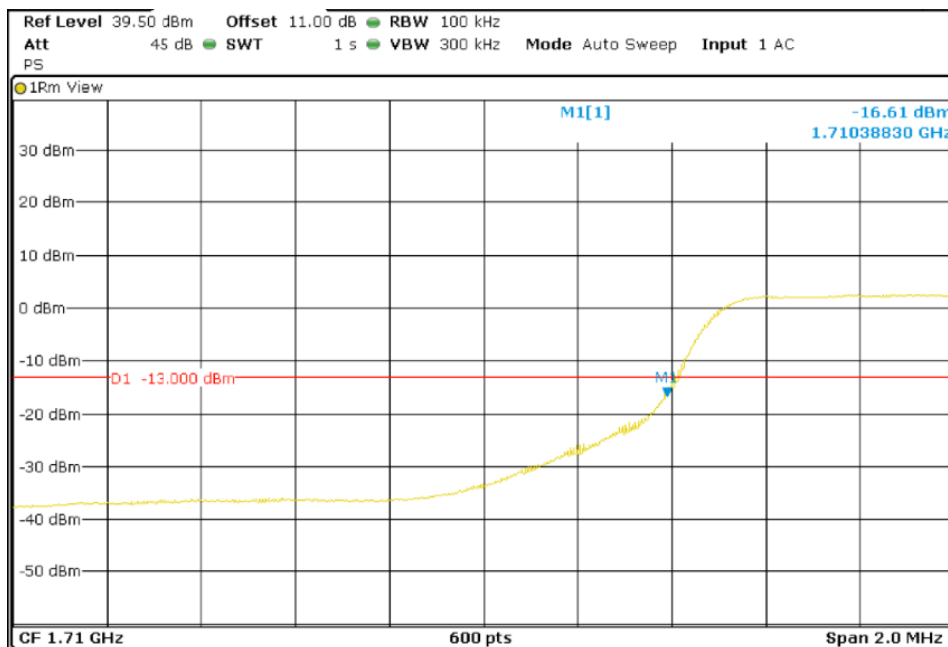
Highest Channel



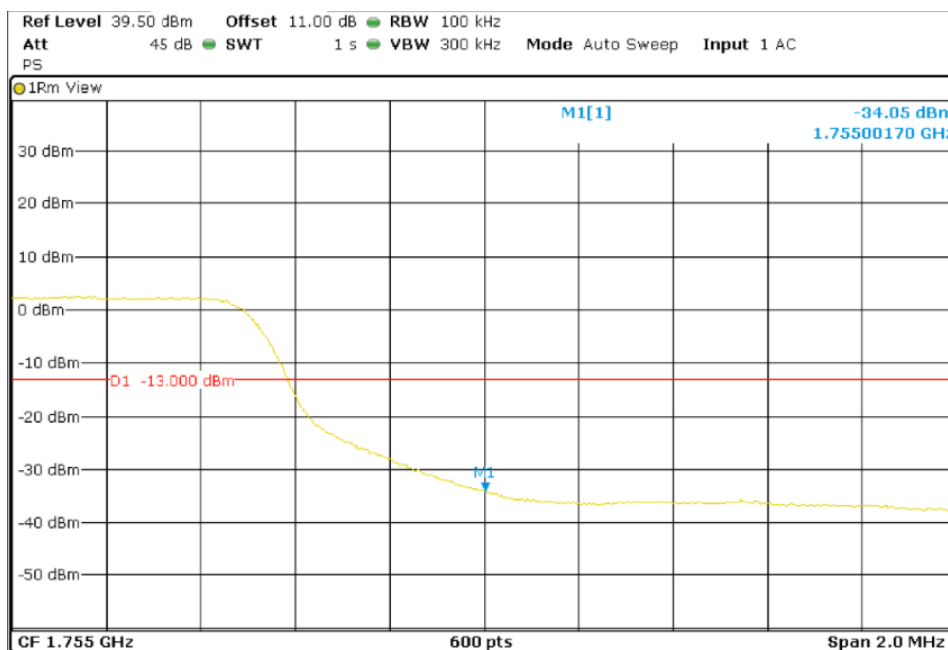
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 50. Offset = 0. BW = 10 MHz

Lowest Channel



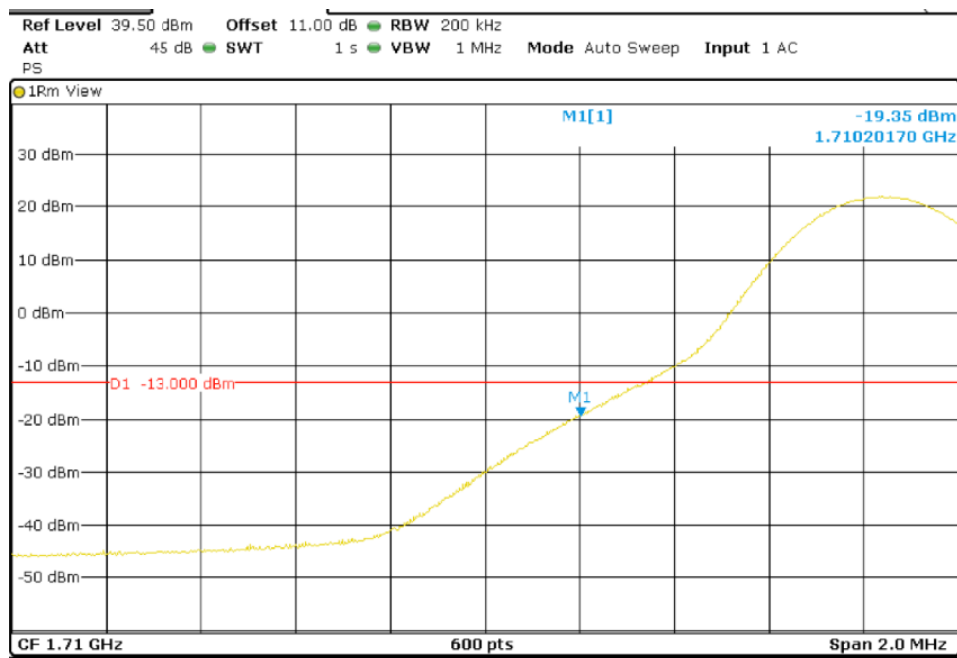
Highest Channel



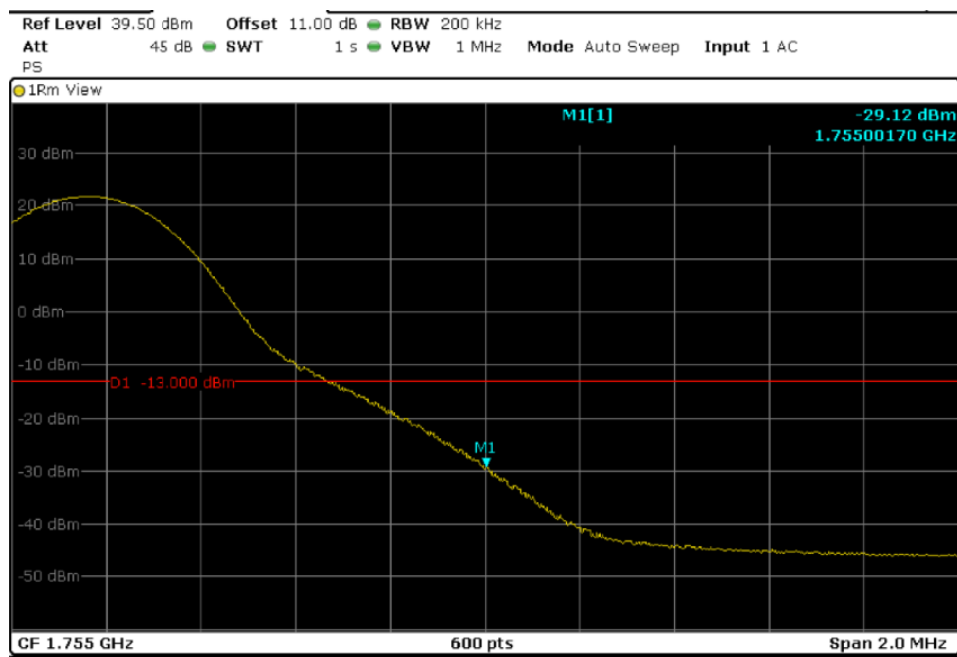
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 15 MHz

Lowest Channel



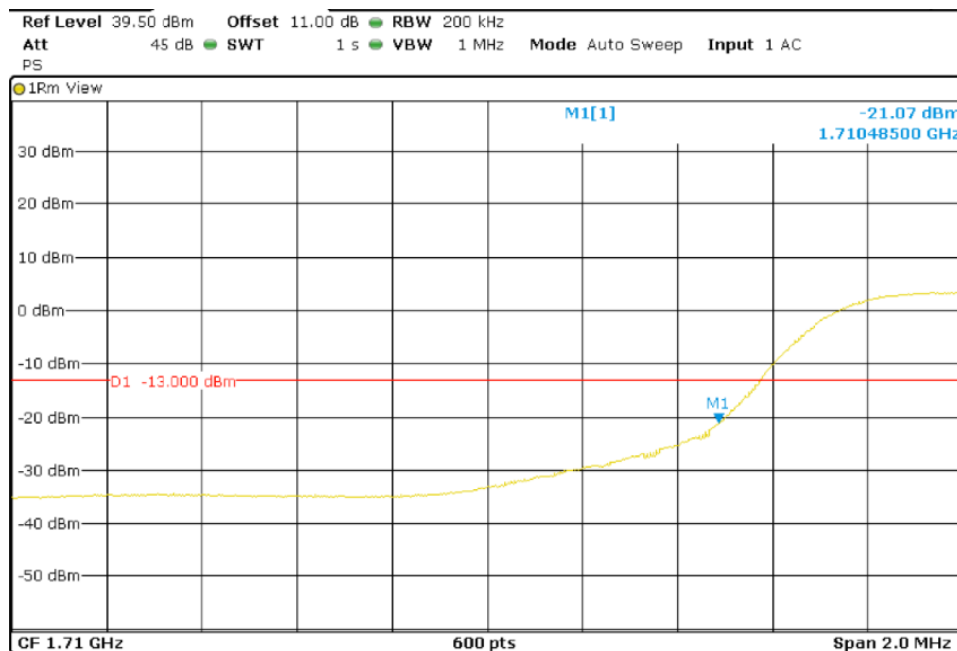
Highest Channel



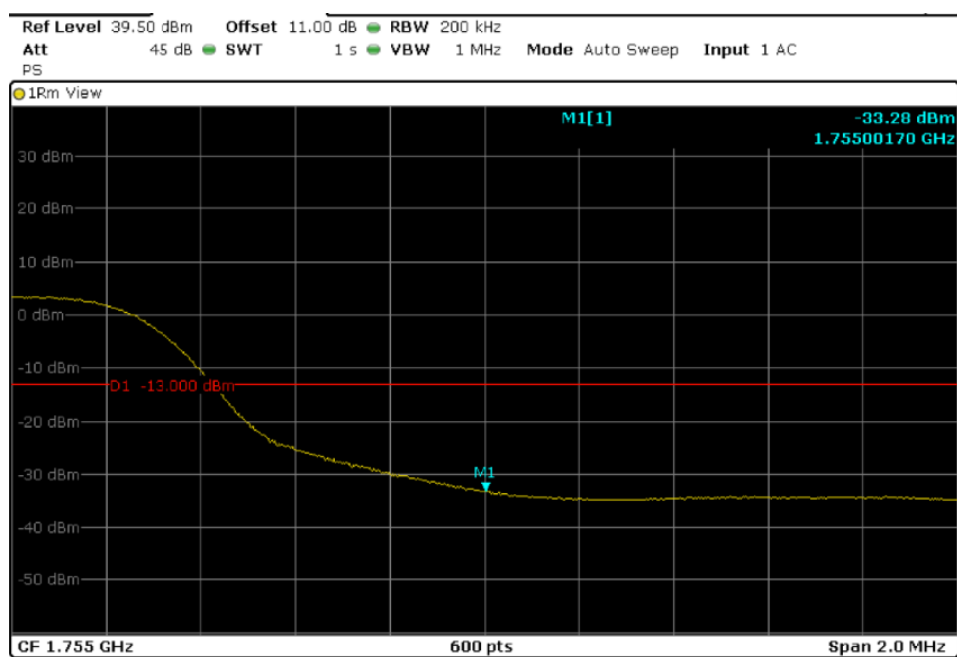
## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 75. Offset = 0. BW = 15 MHz

Lowest Channel



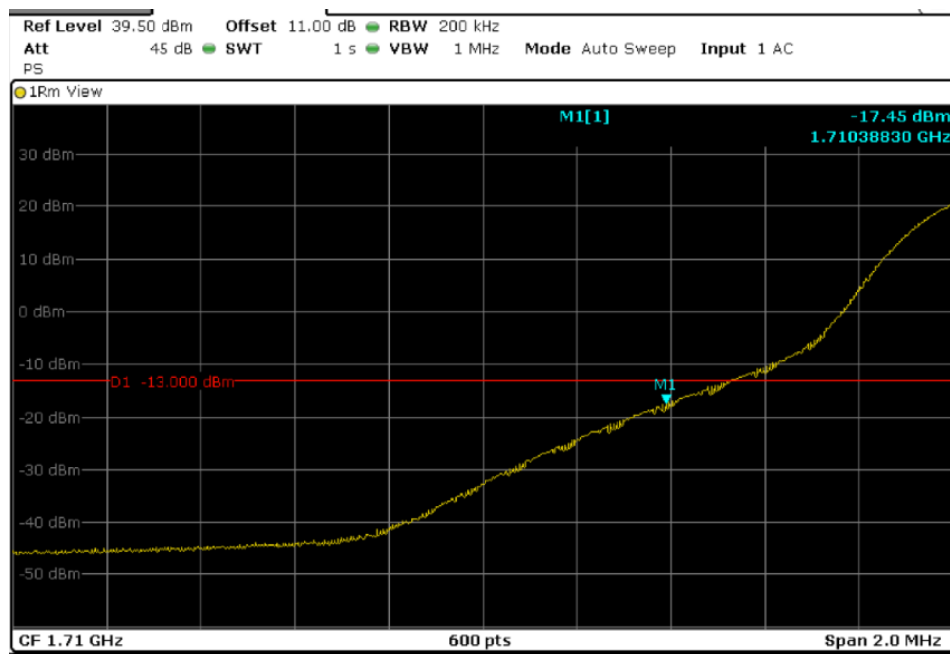
Highest Channel



## TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 20 MHz

Lowest Channel



Highest Channel

