

3.4 Channel Edge

3.4.1 Limit of Channel Edge

For all fixed digital user stations, the attenuation factor shall be not less than $43 + 10 \log (P)$ dB at the channel edge

3.4.2 Test Procedures

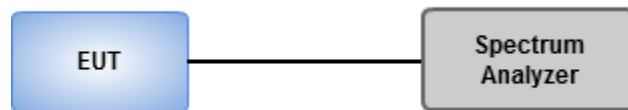
Frequency in 2490.5~2575 MHz

- 1 Set RBW = 51 ~ 160 kHz, VBW = 160 ~ 620 kHz for channel bandwidth 5 ~ 20 MHz, detector = RMS, sweep time = auto
- 2 Use channel power measurement function of spectrum analyzer to integrate power over necessary bandwidth.

Frequency below 2490.5 and above 2575 MHz

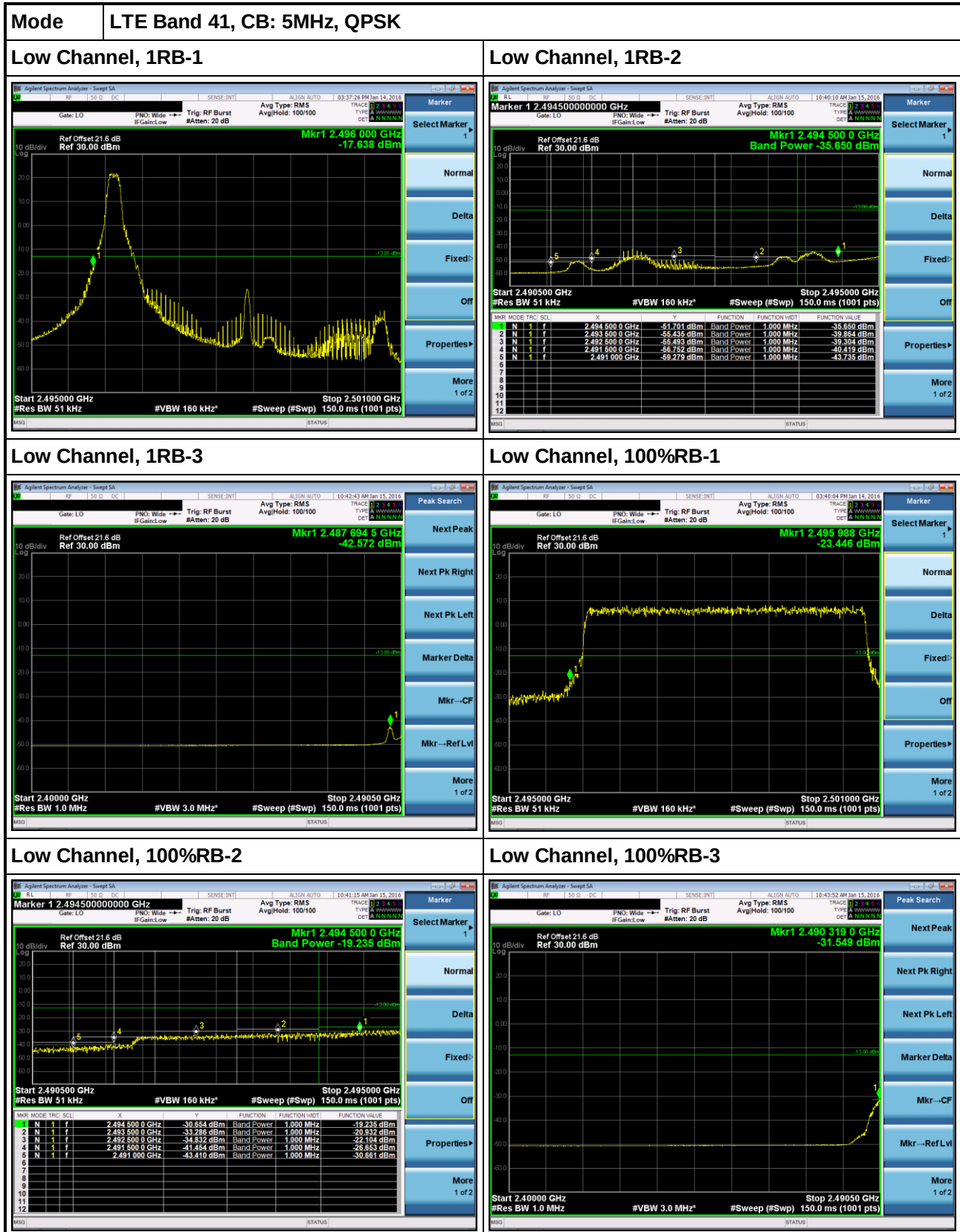
- 1 Set RBW = 1MHz, VBW= 3MHz detector = RMS, sweep time = auto.
- 2 Record the max trace value and capture the test plot.

3.4.3 Test Setup



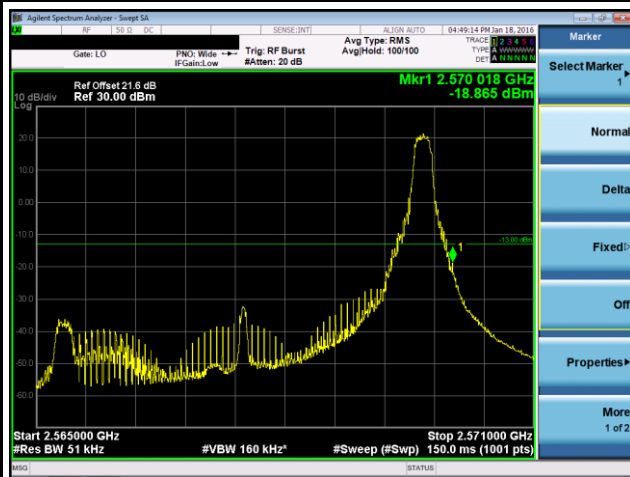
3.4.4 Test Result of Band Edge

LTE Band 41, CB: 5MHz

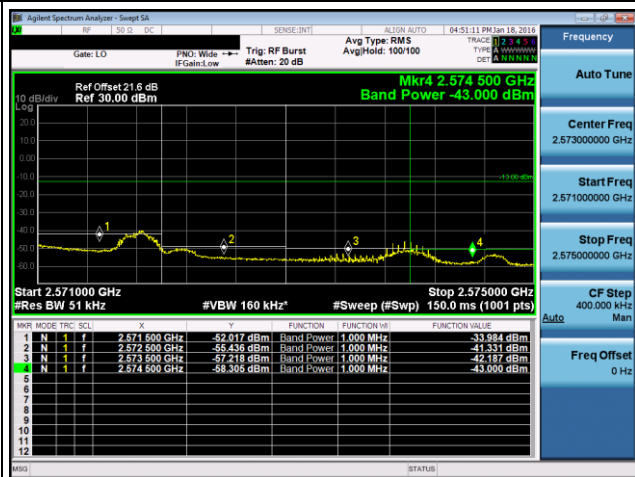


Mode LTE Band 41, CB: 5MHz, QPSK

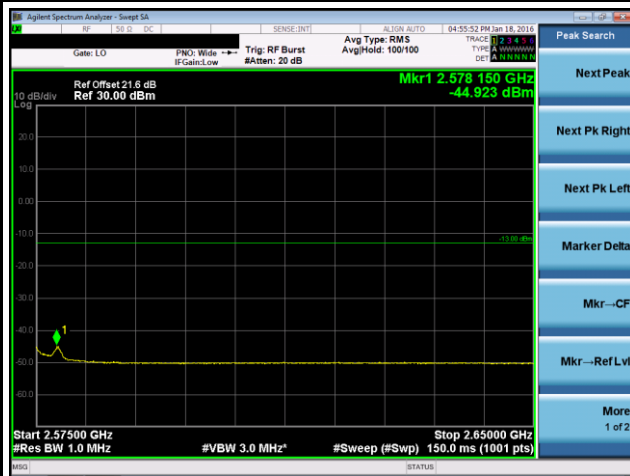
High Channel, 1RB-1



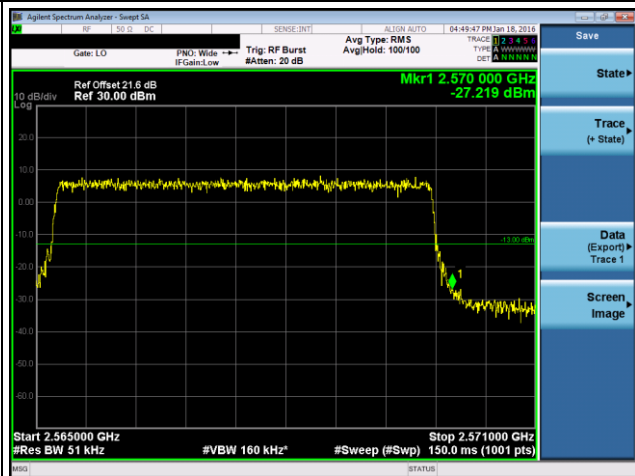
High Channel, 1RB-2



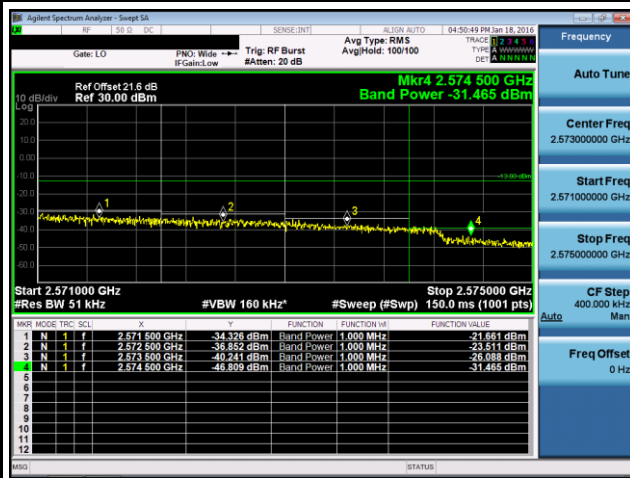
High Channel, 1RB-3



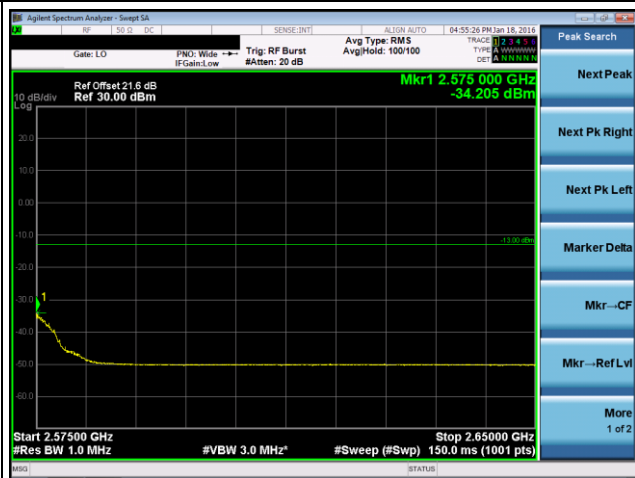
High Channel, 100%RB-1

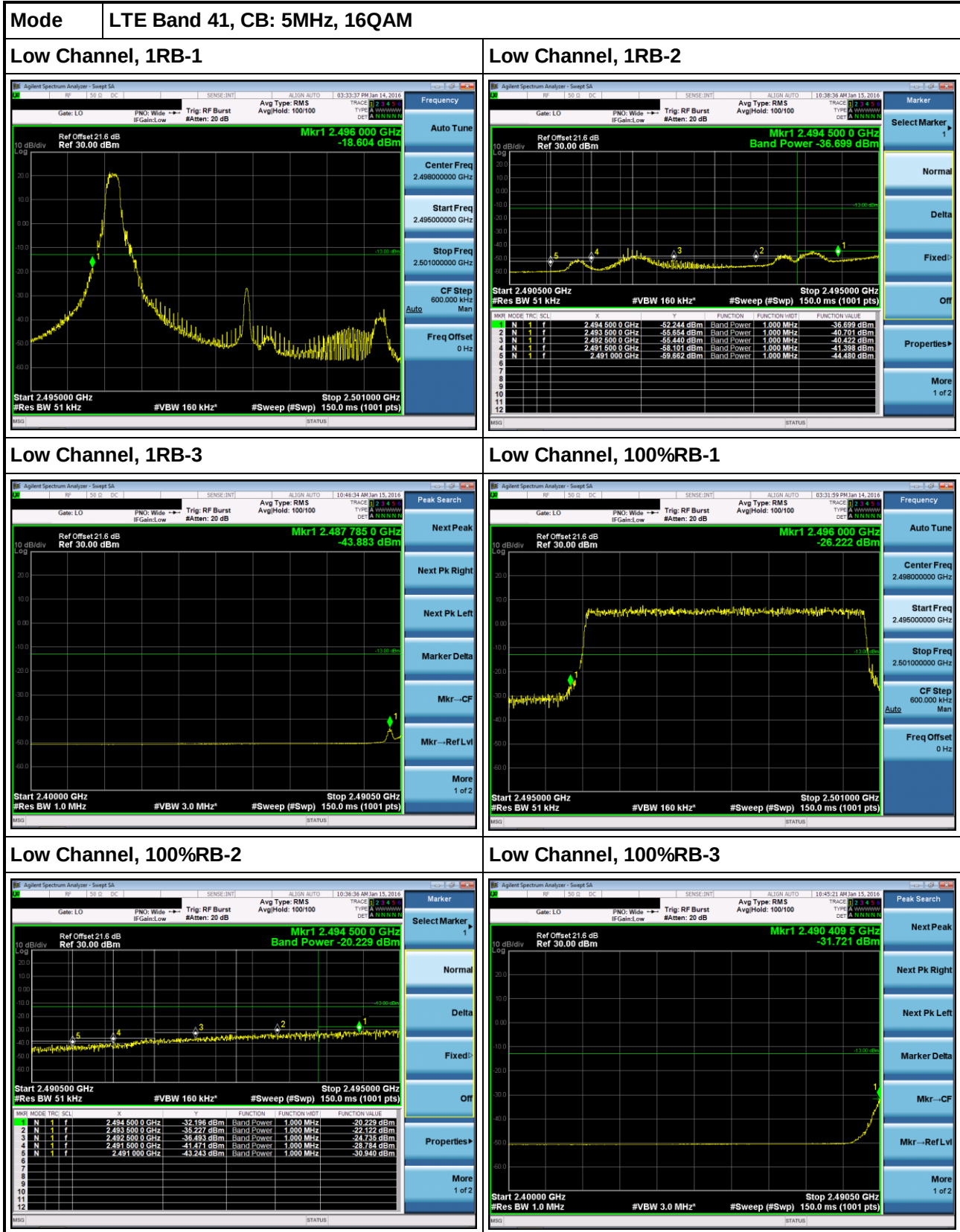


High Channel, 100%RB-2



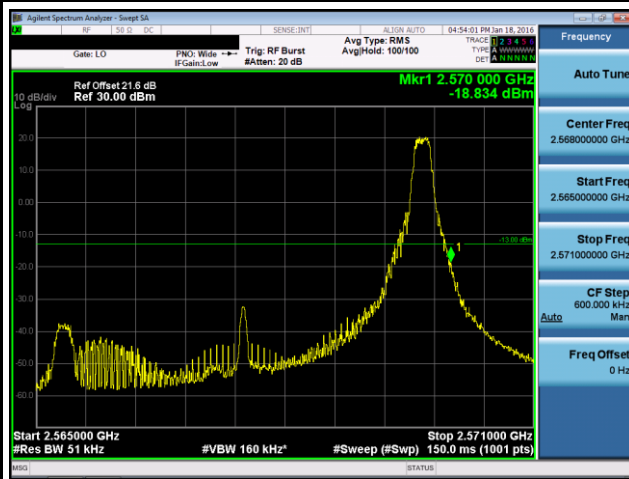
High Channel, 100%RB-3



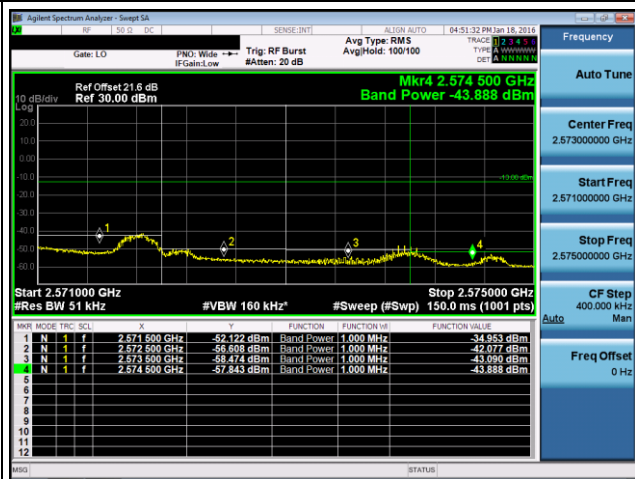


Mode LTE Band 41, CB: 5MHz, 16QAM

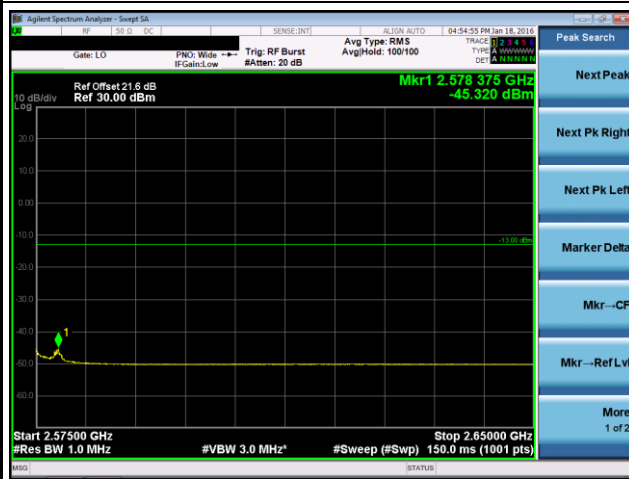
High Channel, 1RB-1



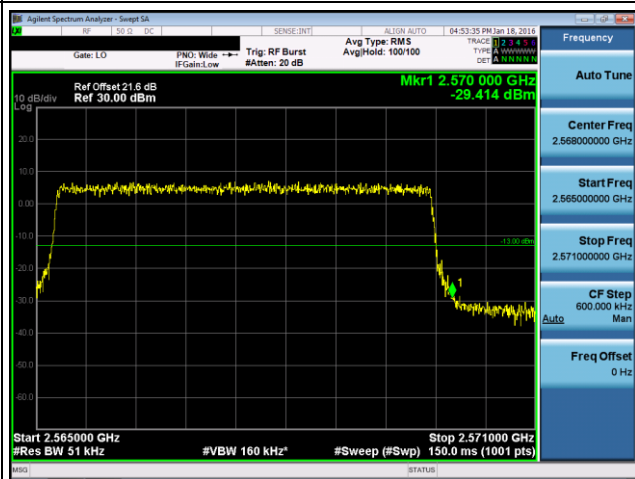
High Channel, 1RB-2



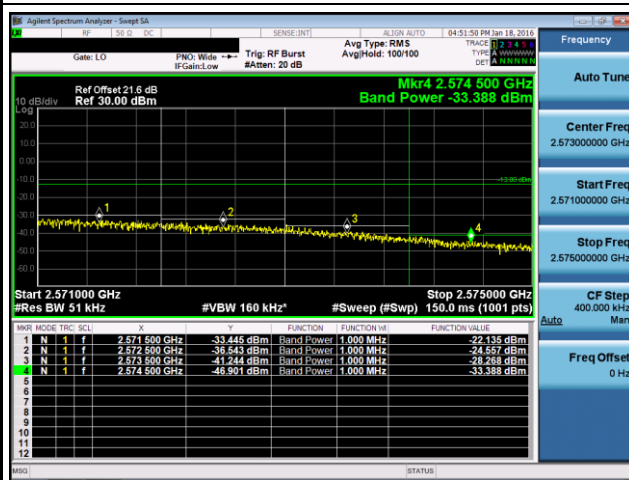
High Channel, 1RB-3



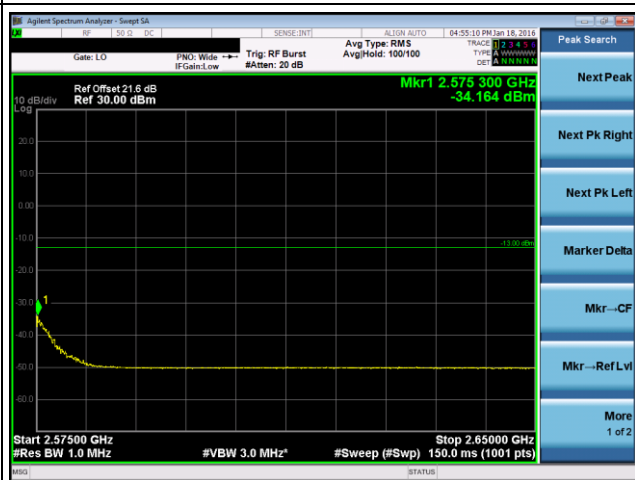
High Channel, 100%RB-1

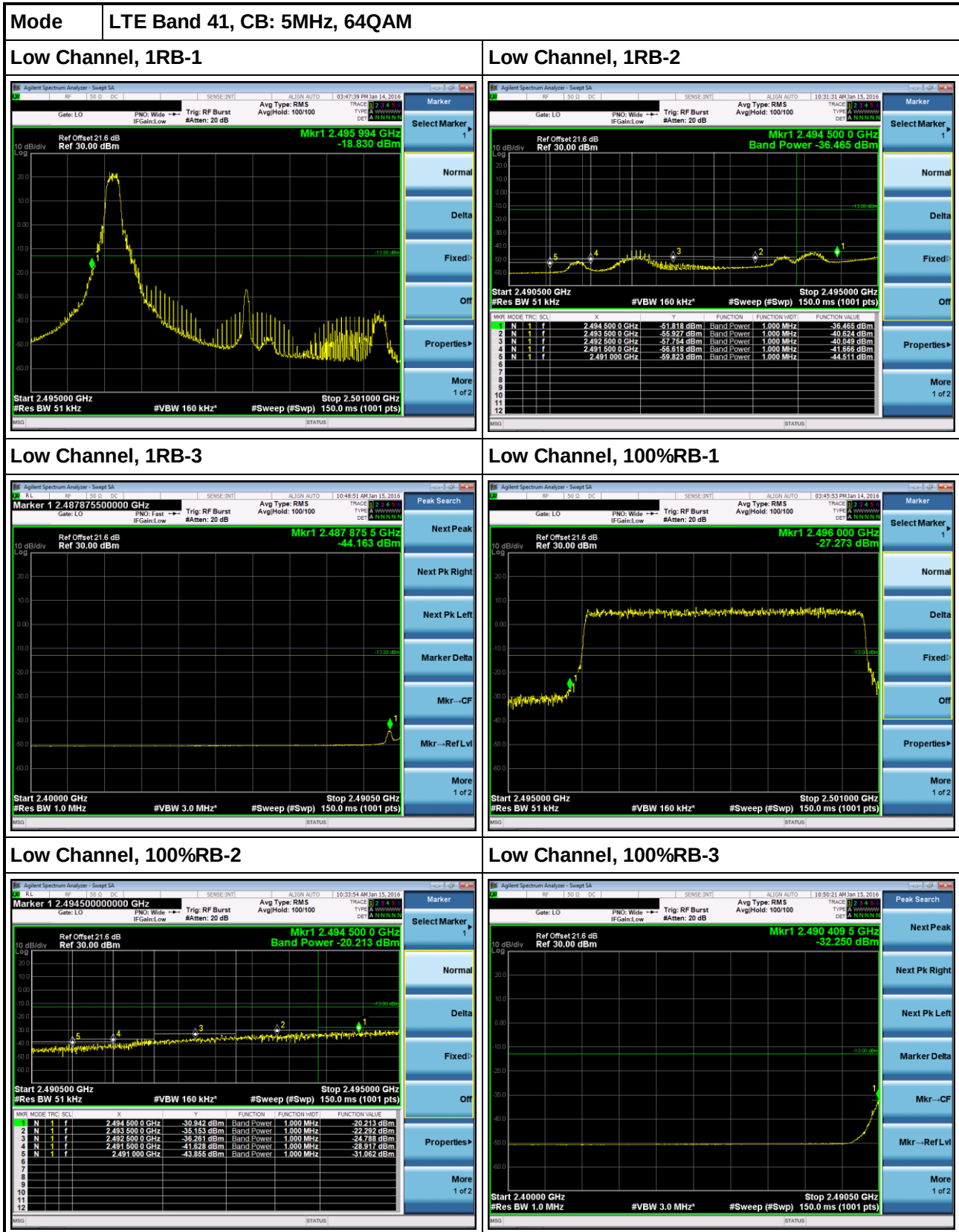


High Channel, 100%RB-2



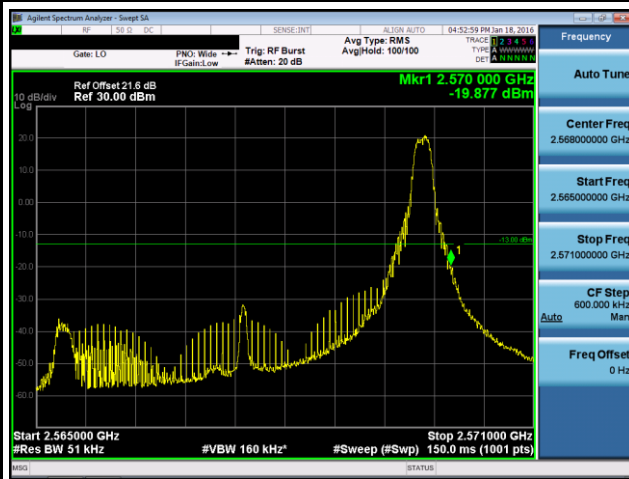
High Channel, 100%RB-3



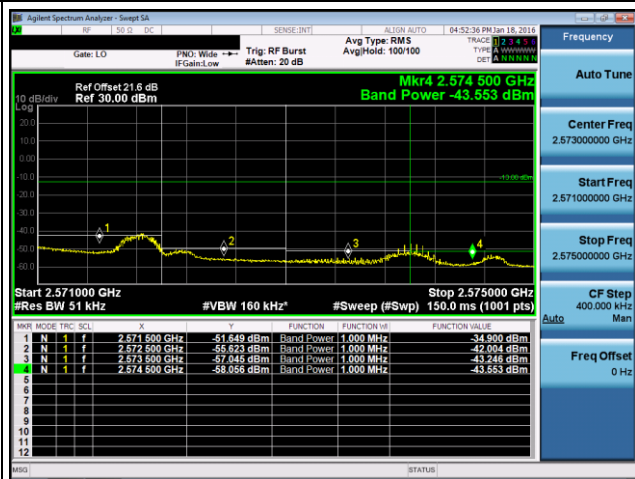


Mode LTE Band 41, CB: 5MHz, 64QAM

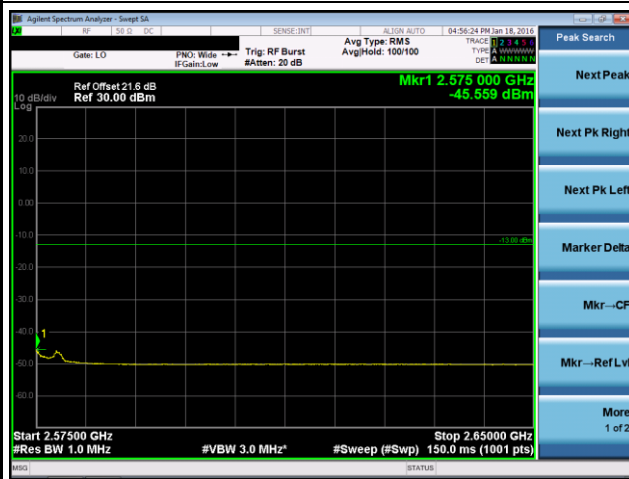
High Channel, 1RB-1



High Channel, 1RB-2



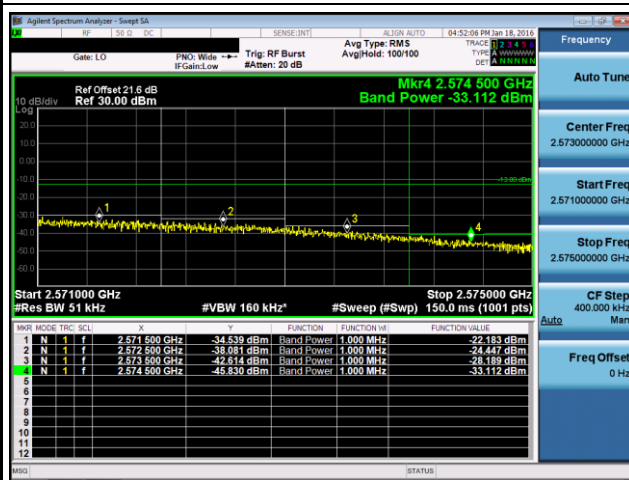
High Channel, 1RB-3



High Channel, 100%RB-1



High Channel, 100%RB-2



High Channel, 100%RB-3

