

3.4 Band Edge

3.4.1 Limit of Band Edge

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

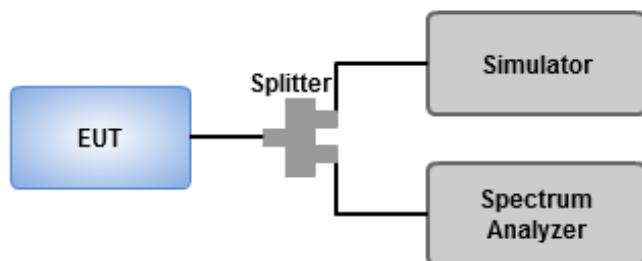
3.4.2 Test Procedures

1. Lowest and highest operating channels are tested for this item.
2. The center frequency of spectrum analyzer will be set to 1850 and 1910 MHz.
3. Set as below setting for LTE mode

Bandwidth (MHz)	RBW (kHz)	VBW (kHz)	Detector	Sweep time
3	33	100	RMS	Auto
5	51	160	RMS	Auto
10	100	300	RMS	Auto
20	200	620	RMS	Auto

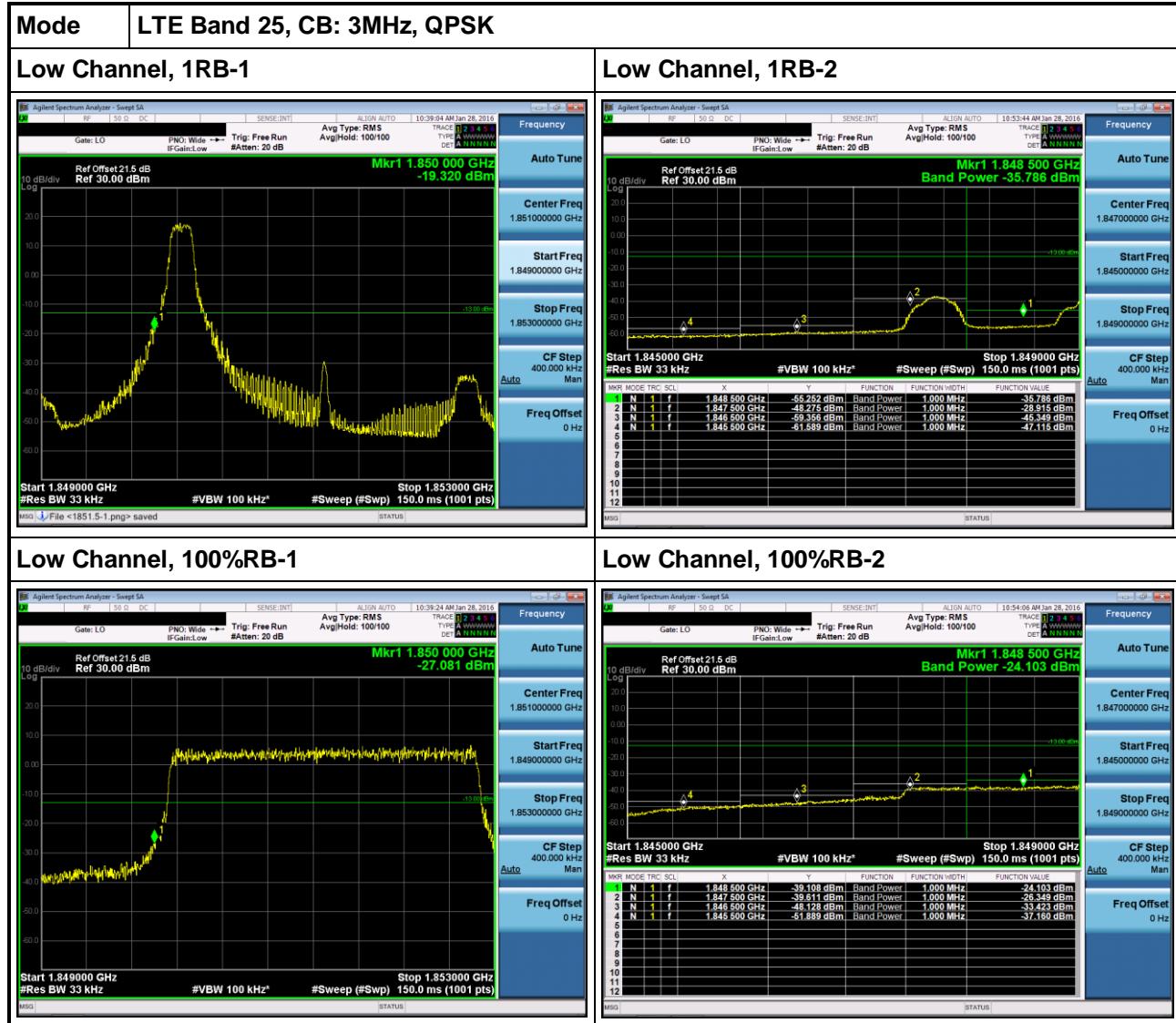
4. Record the max trace value and capture the test plot.

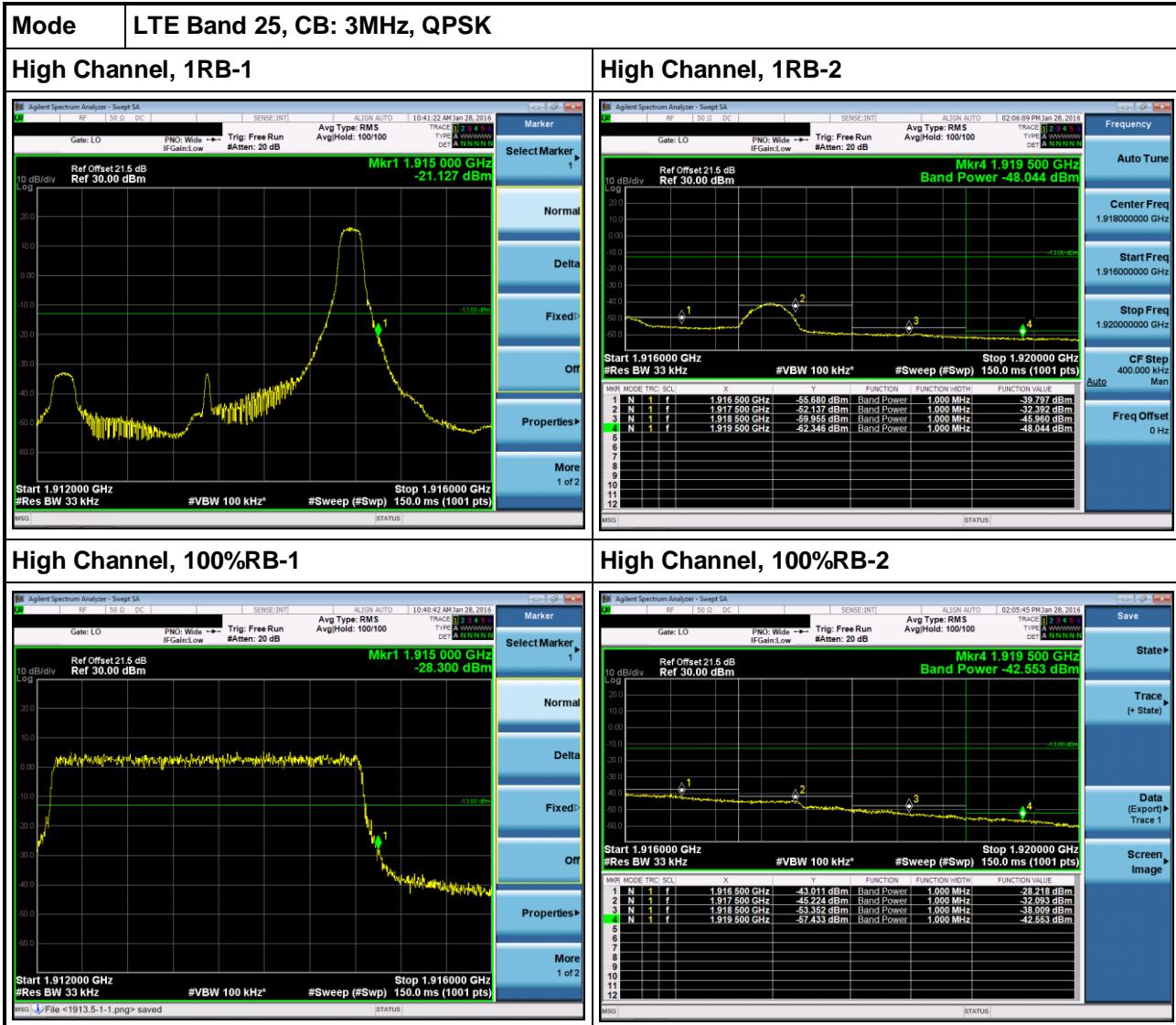
3.4.3 Test Setup

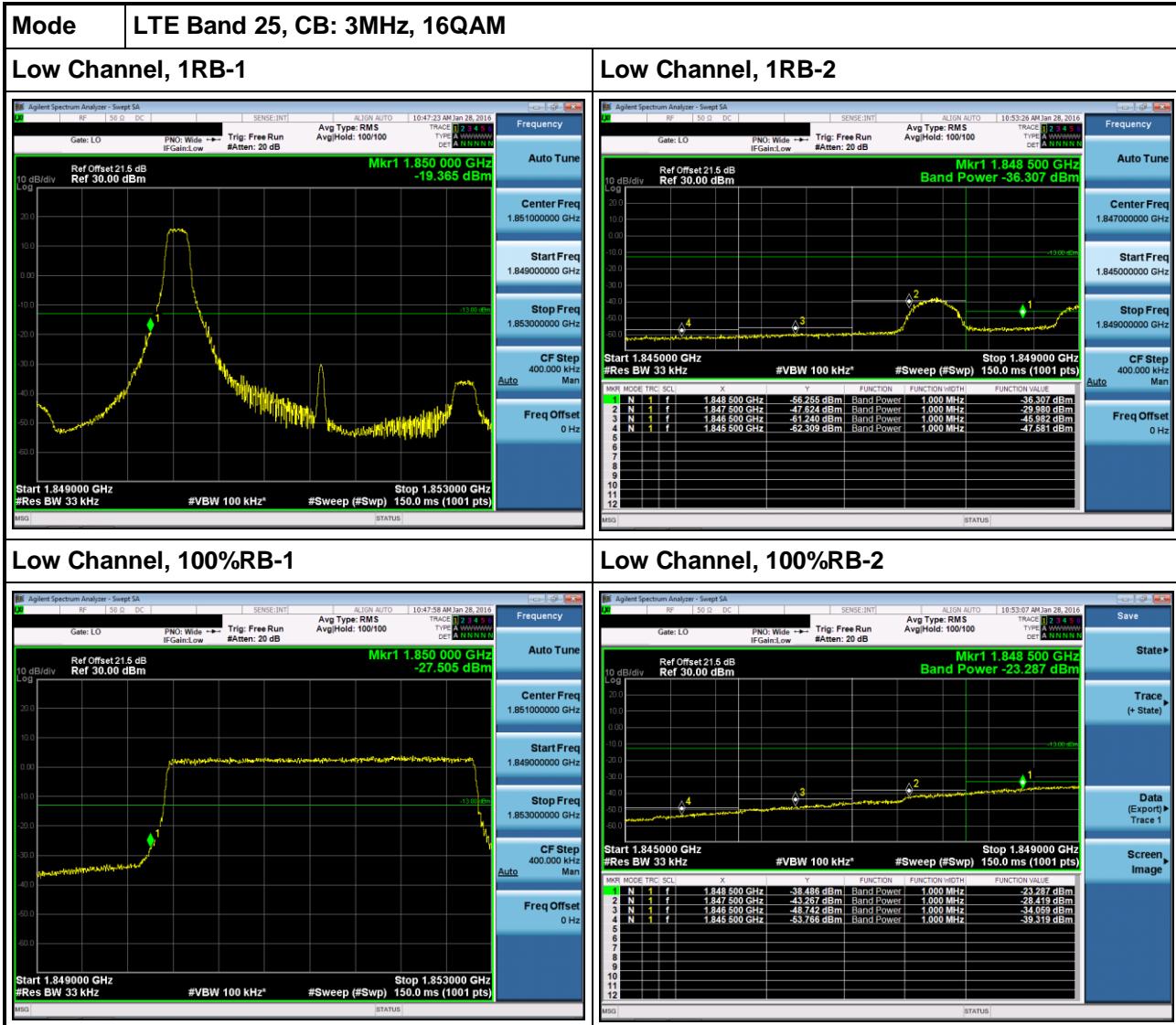


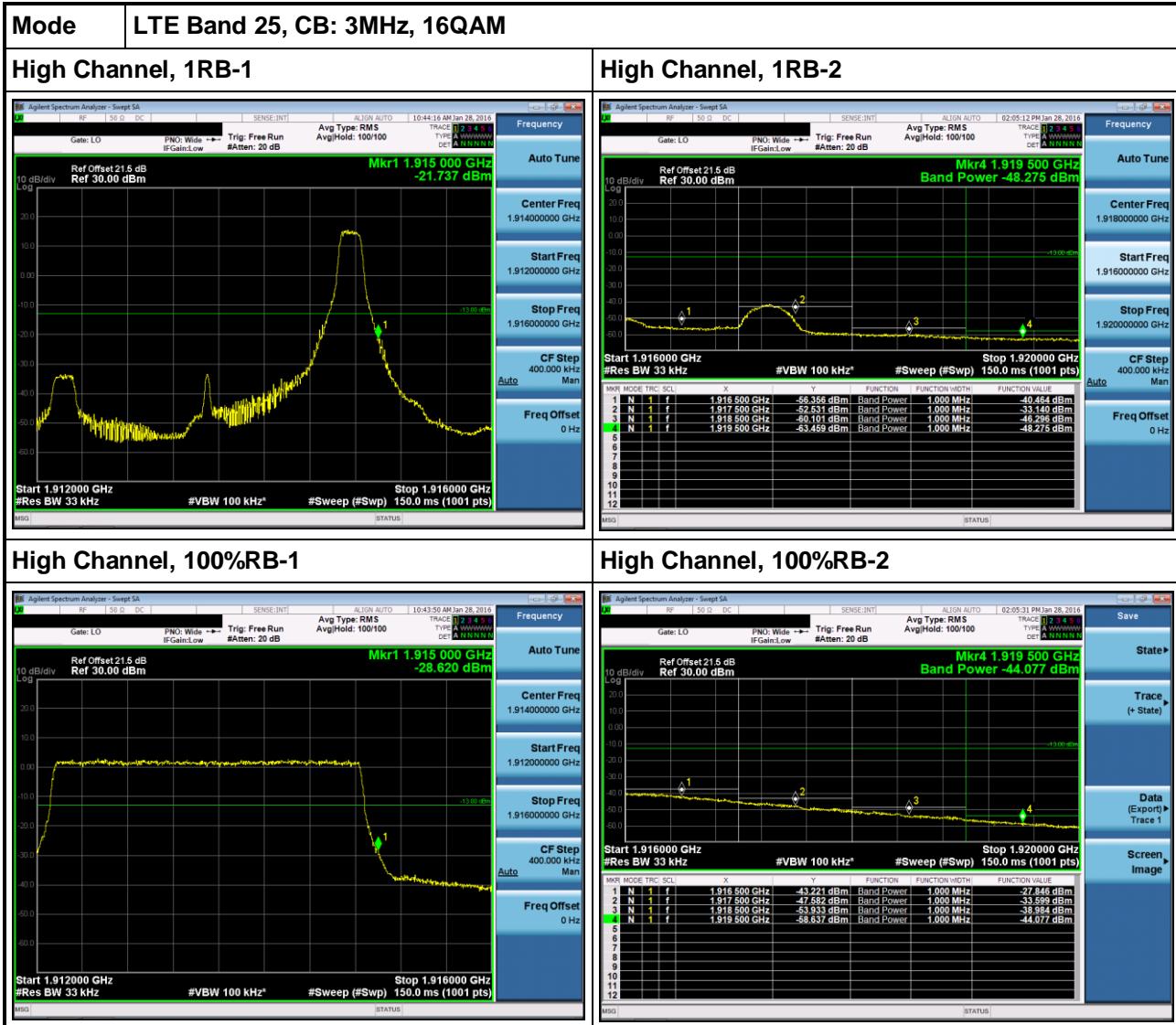
3.4.4 Test Result of Band Edge

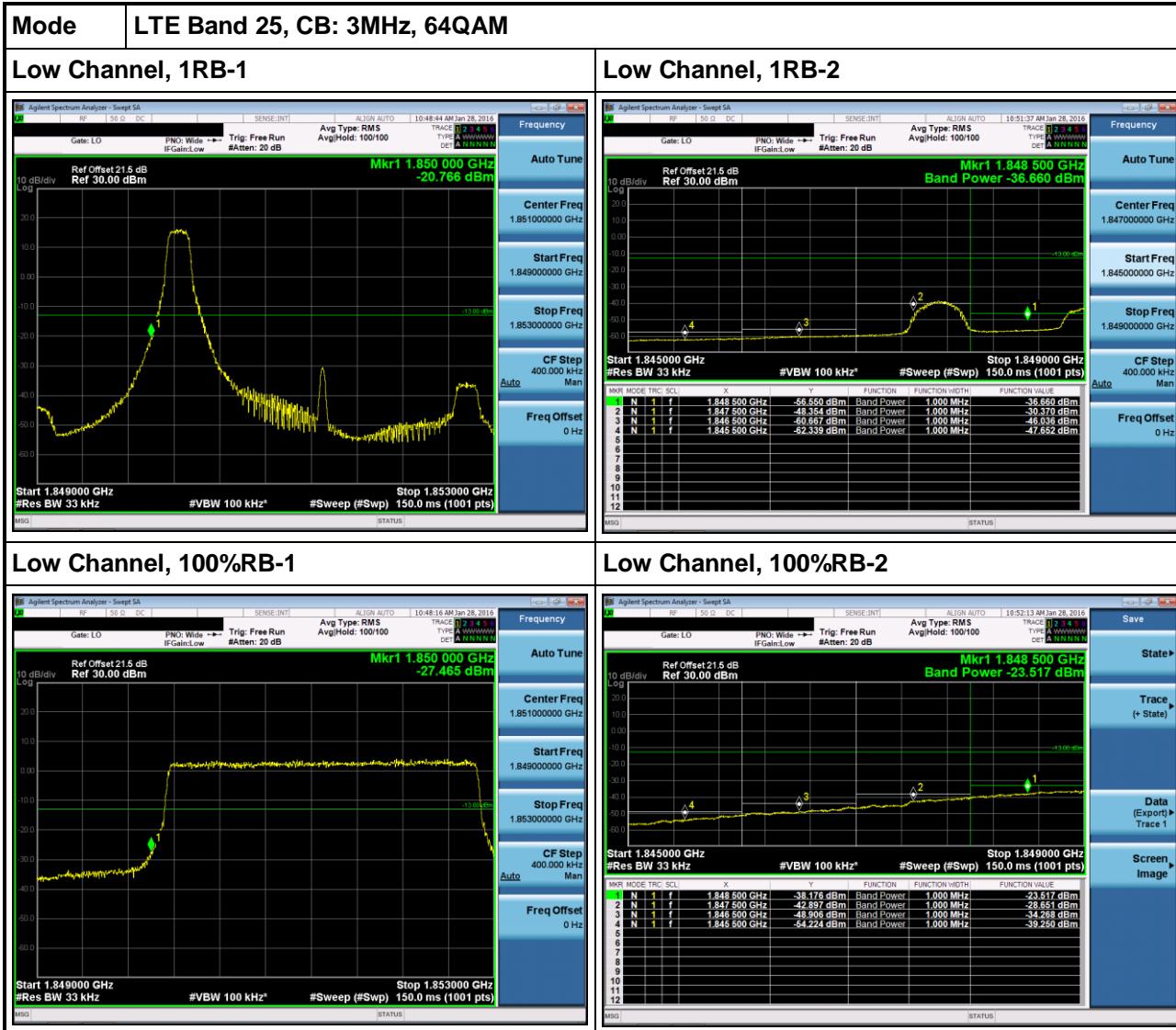
LTE Band 25, CB: 3MHz

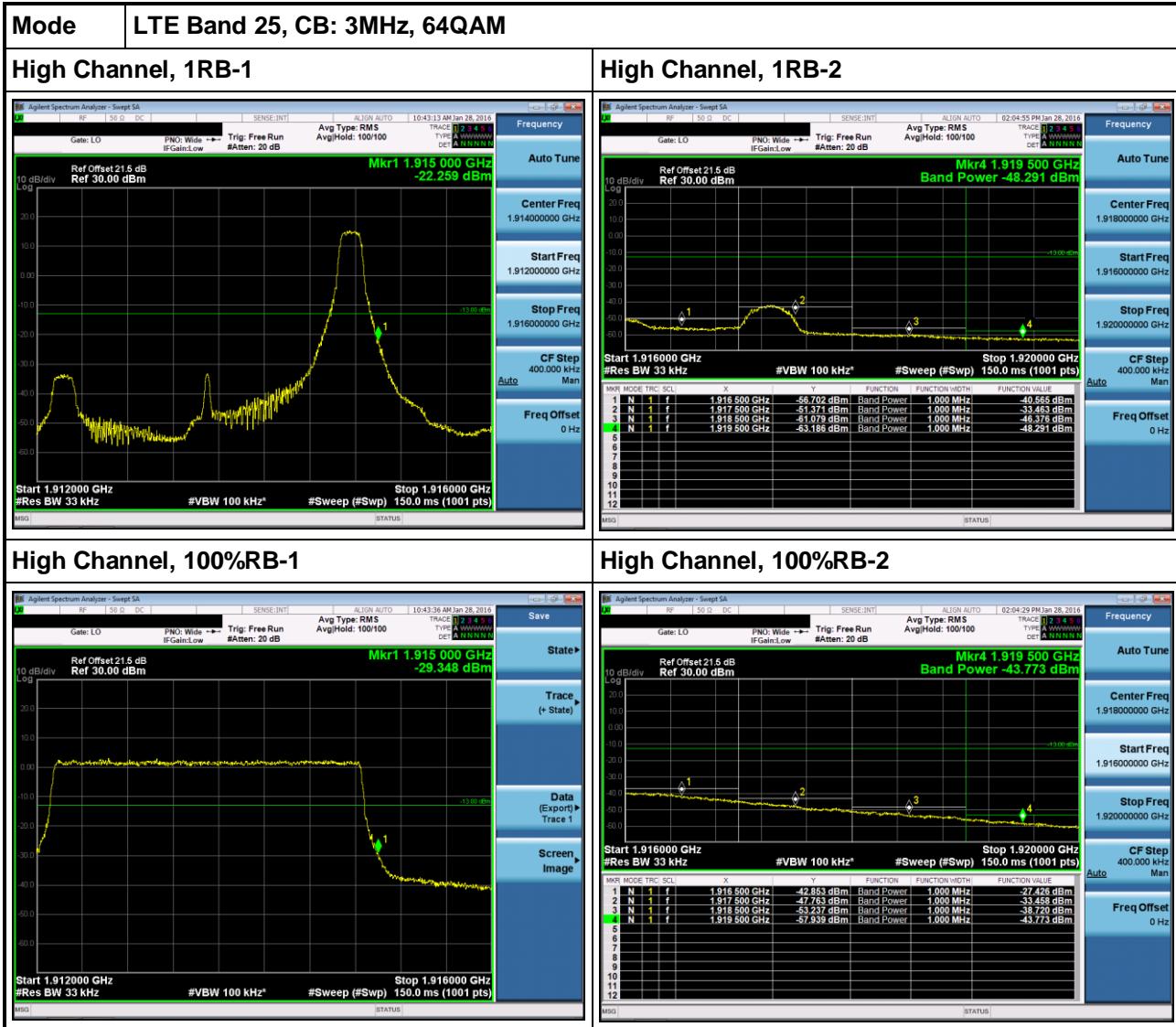








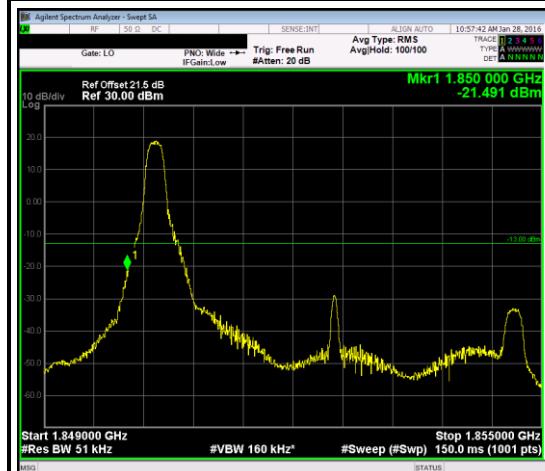




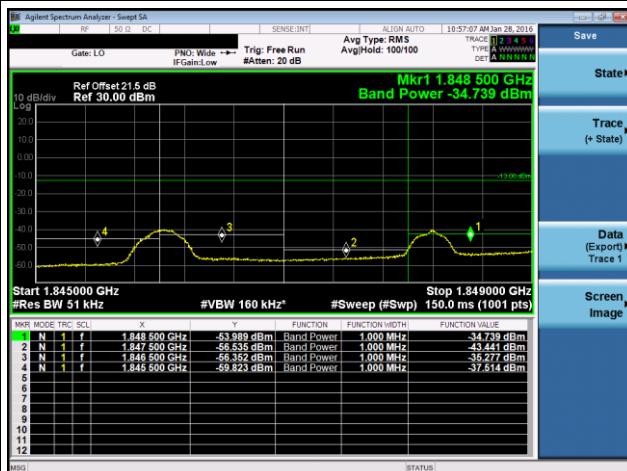
LTE Band 25, CB: 5MHz

Mode **LTE Band 25, CB: 5MHz, QPSK**

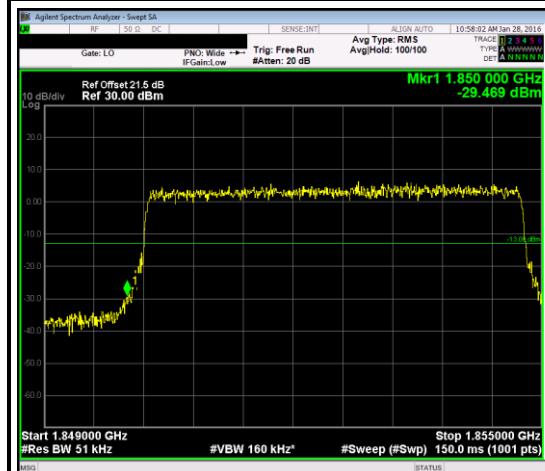
Low Channel, 1RB-1



Low Channel, 1RB-2

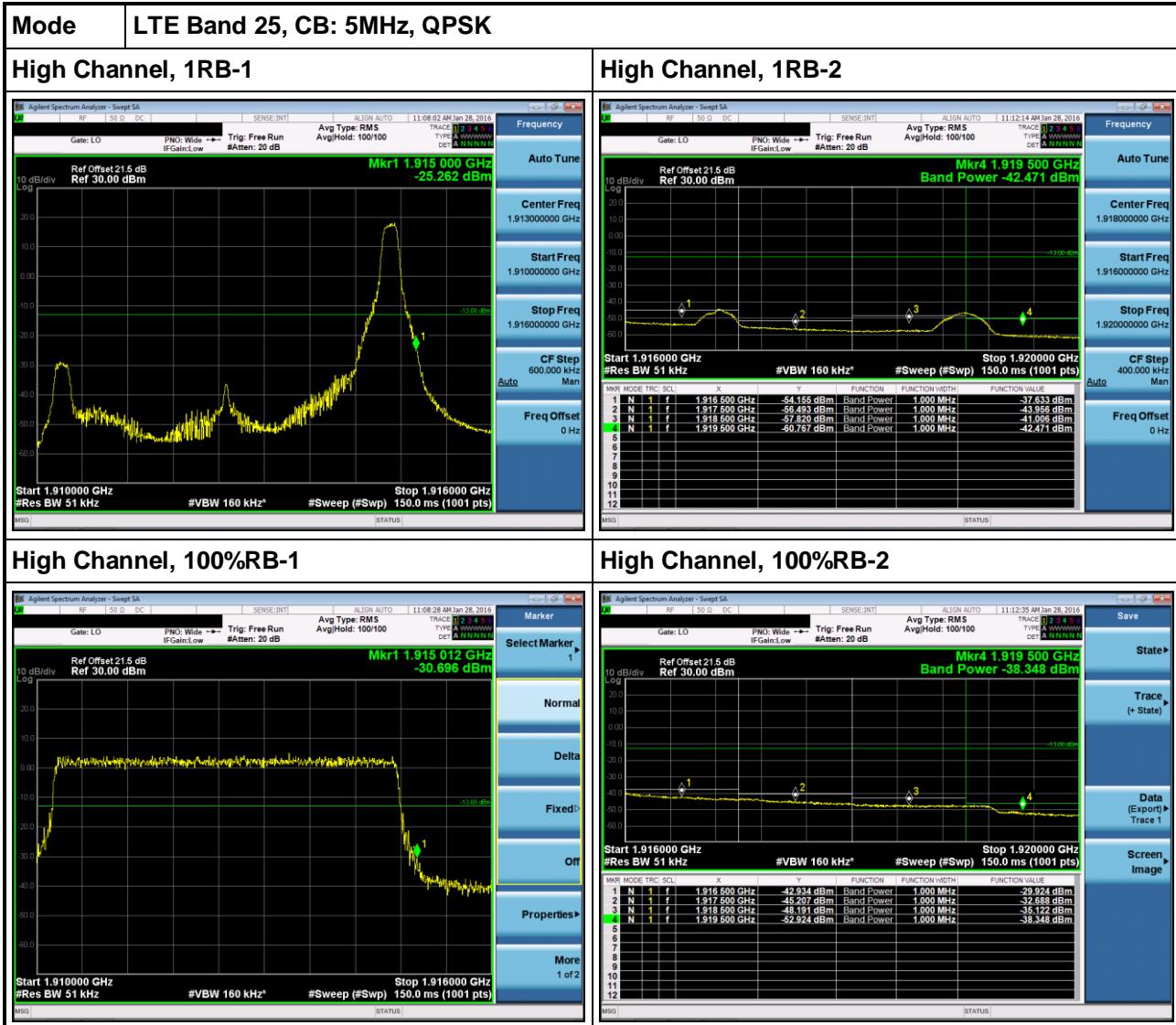


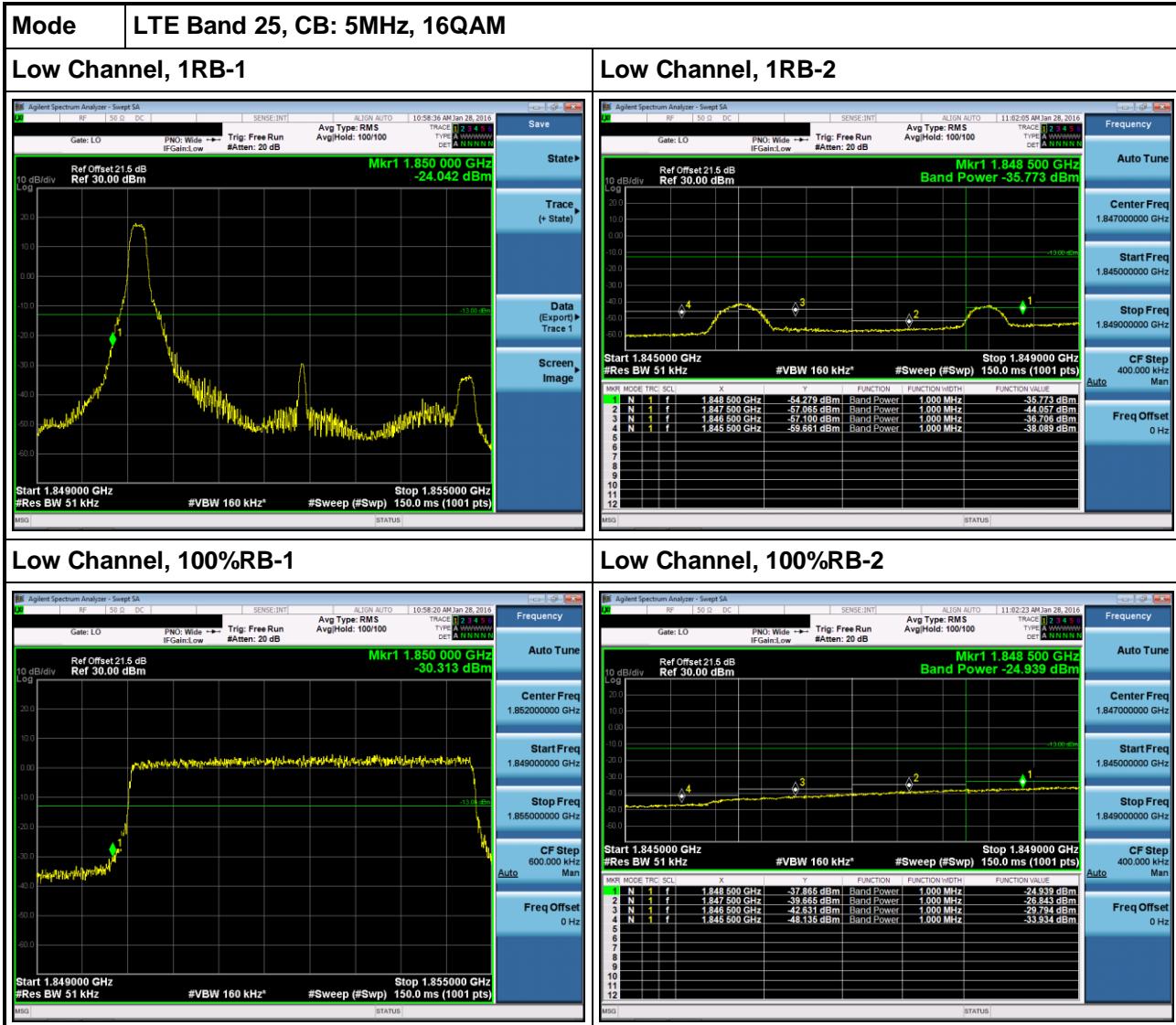
Low Channel, 100%RB-1

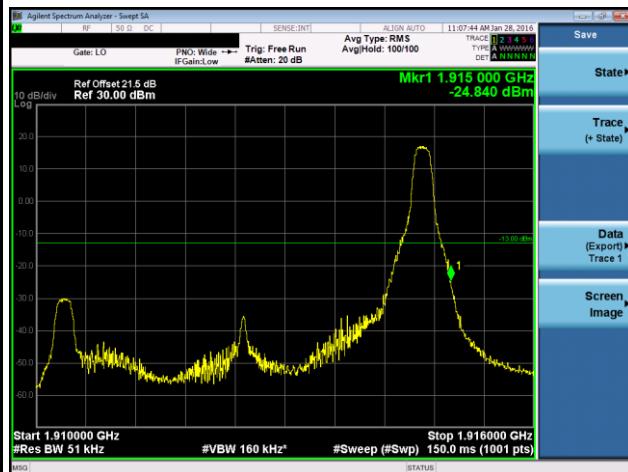
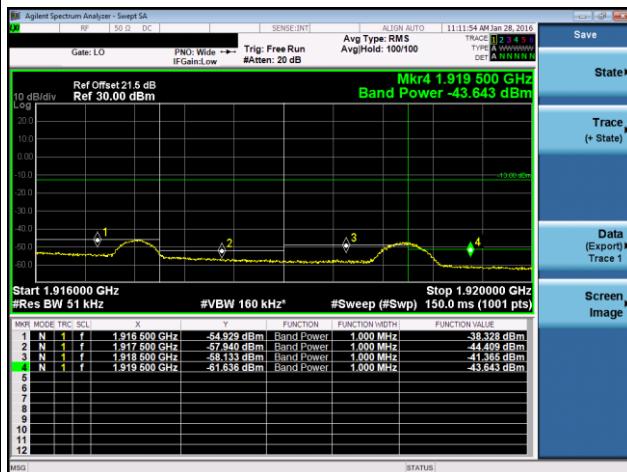


Low Channel, 100%RB-2

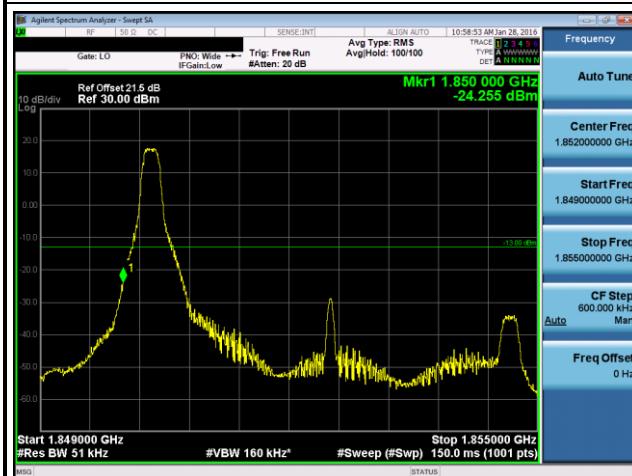
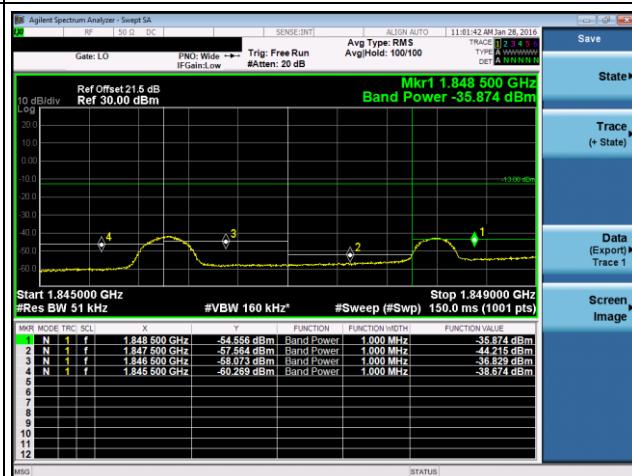
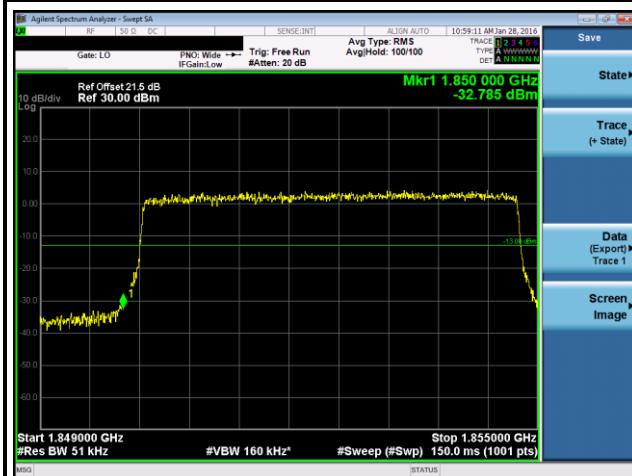






Mode LTE Band 25, CB: 5MHz, 16QAM
High Channel, 1RB-1

High Channel, 1RB-2

High Channel, 100%RB-1

High Channel, 100%RB-2


Mode | LTE Band 25, CB: 5MHz, 64QAM
Low Channel, 1RB-1

Low Channel, 1RB-2

Low Channel, 100%RB-1

Low Channel, 100%RB-2
