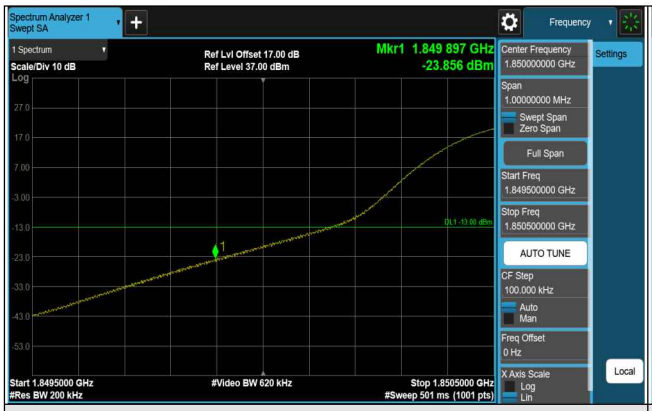
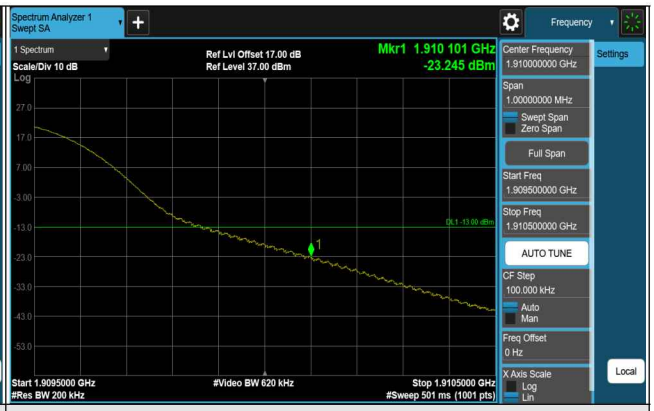
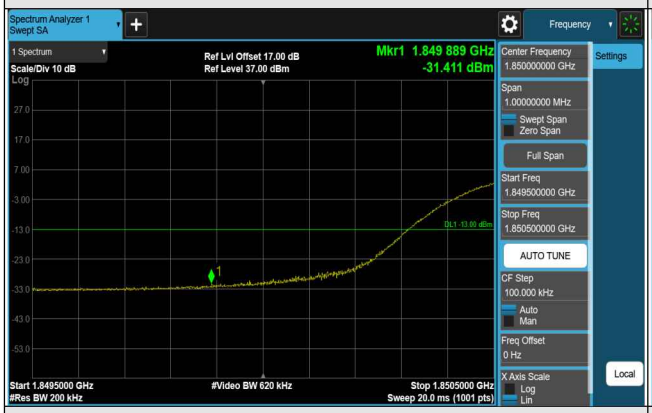
LTE Band 2 (Channel Bandwidth 10MHz)



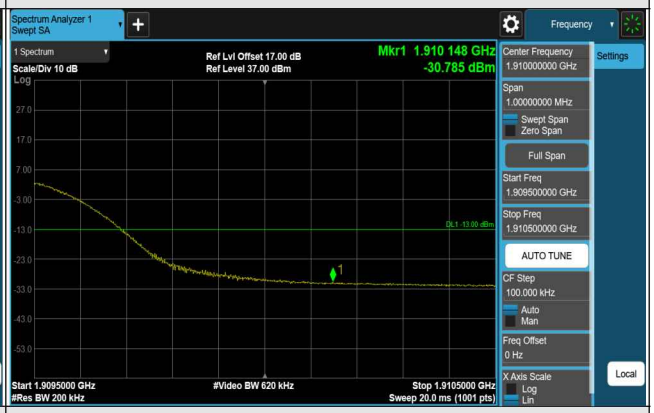
1RB (1855MHz)



1RB (1905MHz)

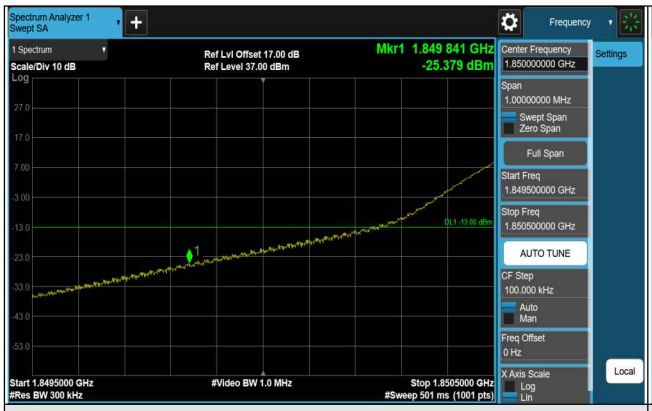


Full (1855MHz)

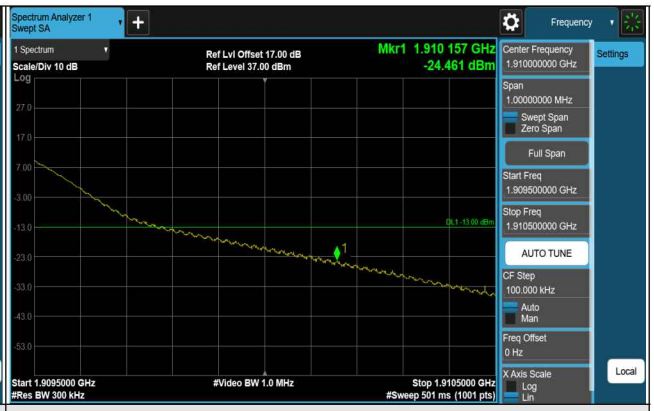


Full (1905MHz)

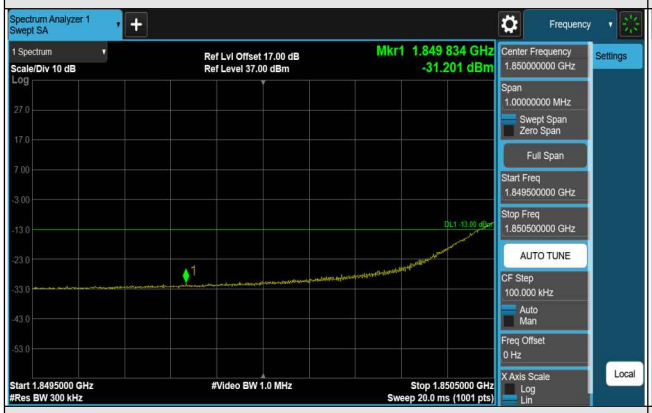
LTE Band 2 (Channel Bandwidth 15MHz)



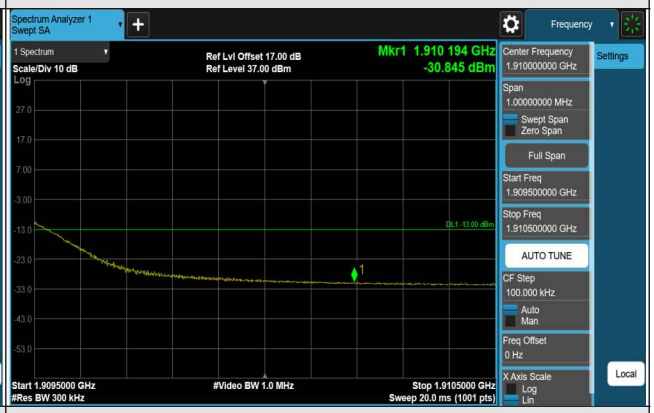
1RB (1857.5MHz)



1RB (1902.5MHz)

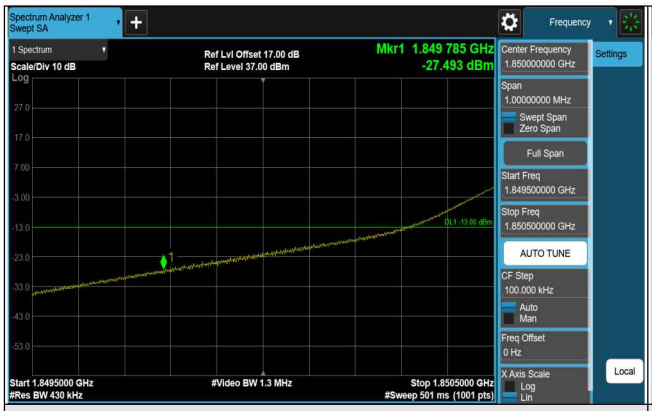


Full (1857.5MHz)

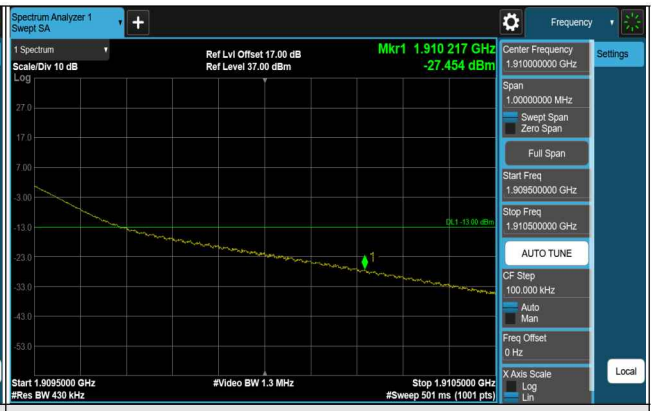


Full (1902.5MHz)

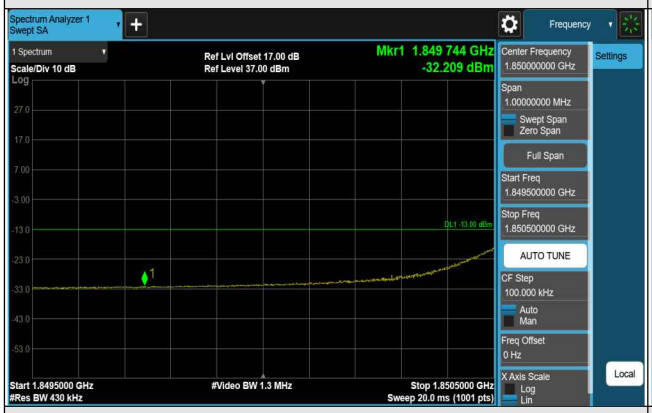
LTE Band 2 (Channel Bandwidth 20MHz)



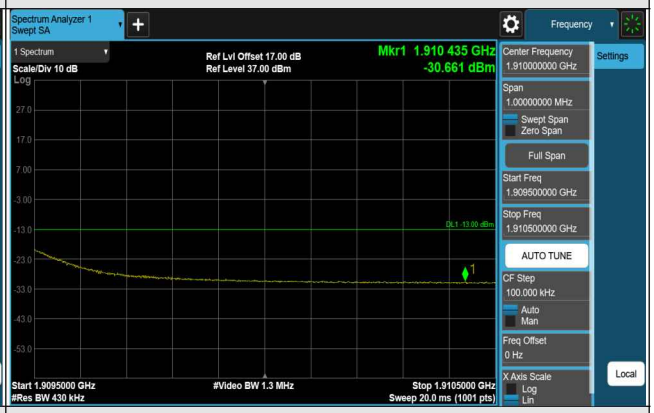
1RB (1860MHz)



1RB (1900MHz)

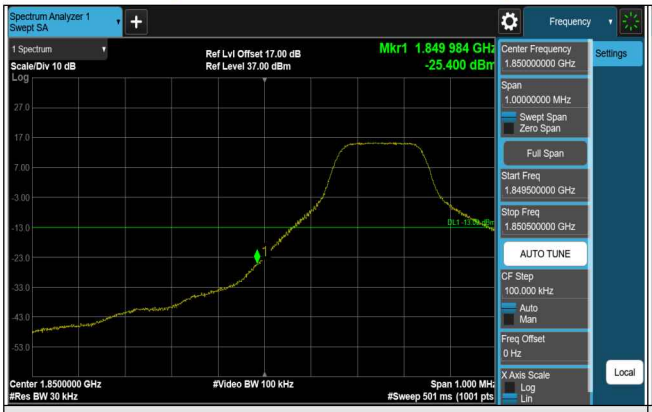


Full (1860MHz)

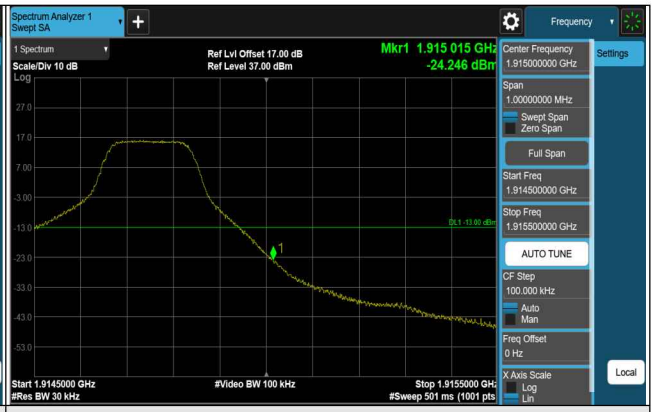


Full (1900MHz)

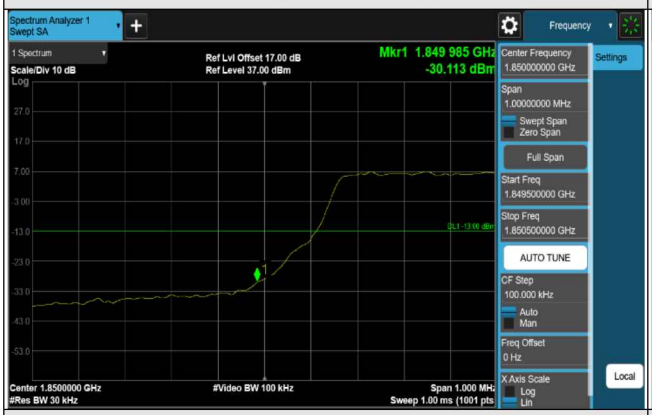
LTE Band 25 (Channel Bandwidth 1.4MHz)



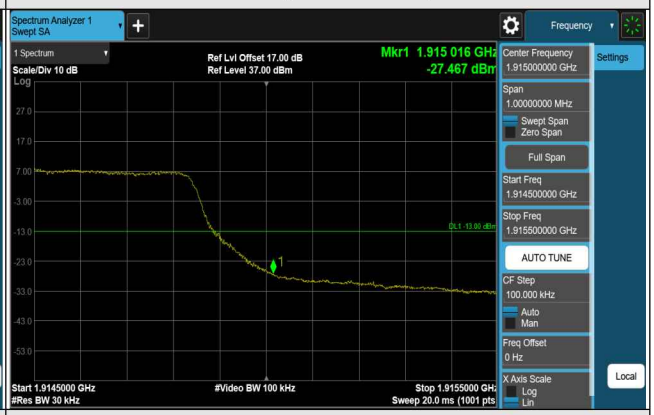
1RB (1850.7MHz)



1RB (1914.3MHz)

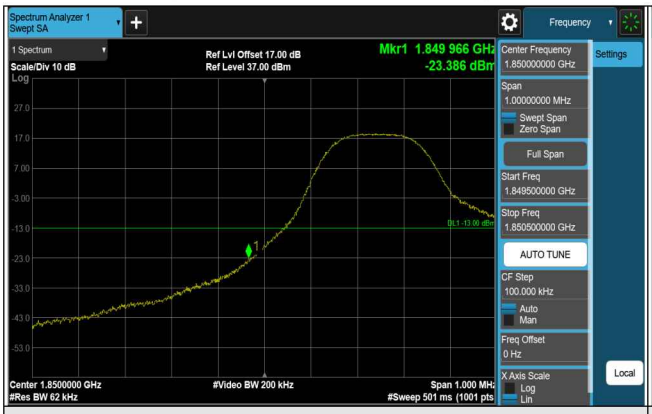


Full (1850.7MHz)



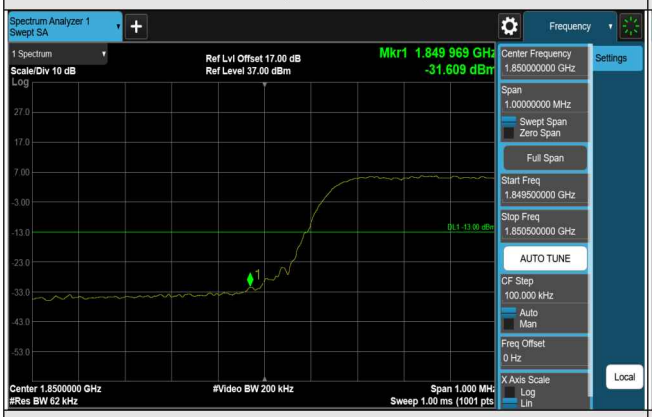
Full (1914.3MHz)

LTE Band 25 (Channel Bandwidth 3MHz)

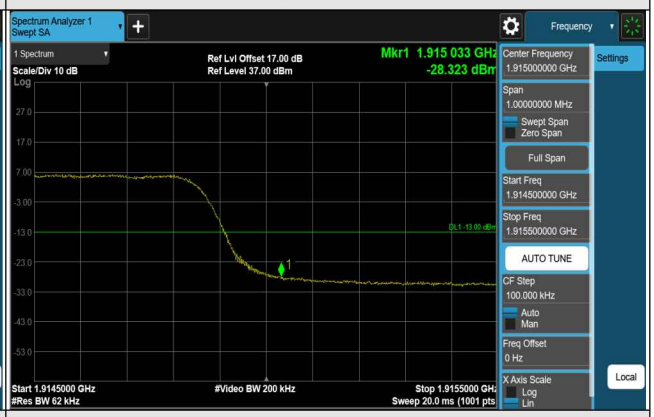


1RB (1851.5MHz)

1RB (1913.5MHz)

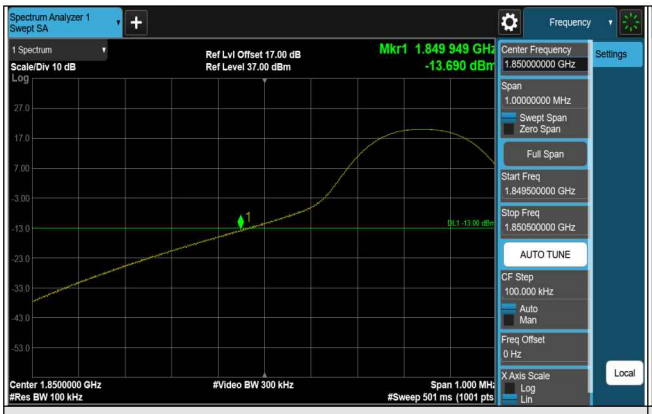


Full (1851.5MHz)



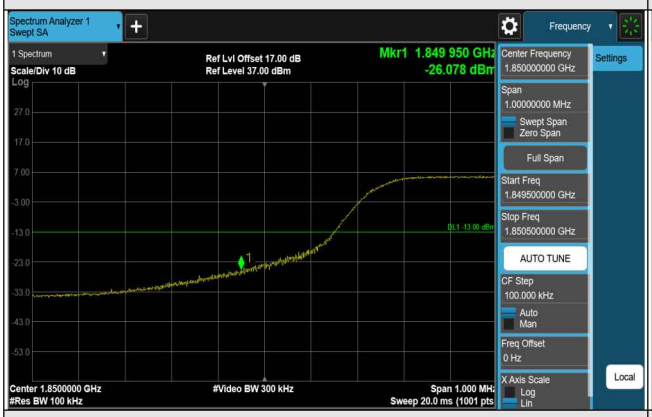
Full (1913.5MHz)

LTE Band 25 (Channel Bandwidth 5MHz)

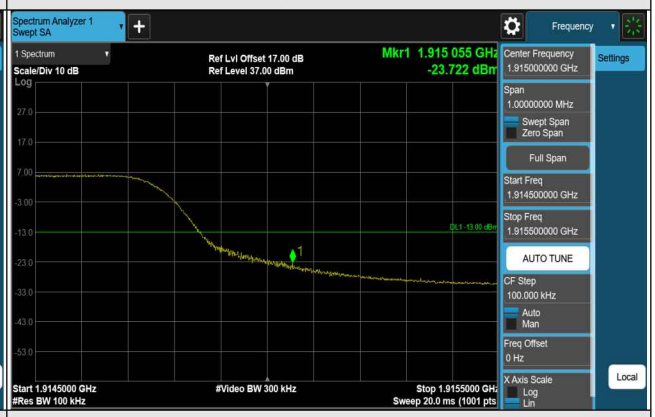


1RB (1852.5MHz)

1RB (1912.5MHz)

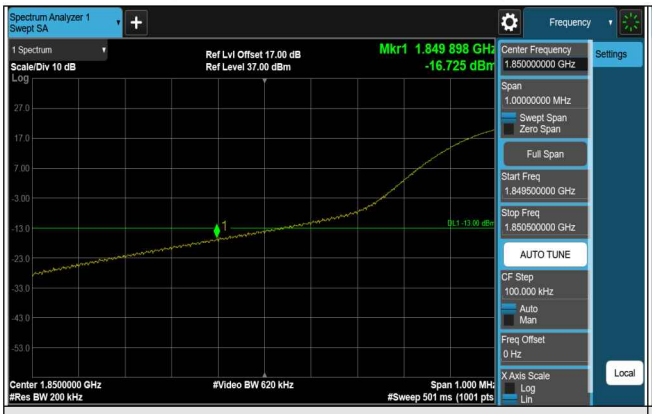


Full (1852.5MHz)



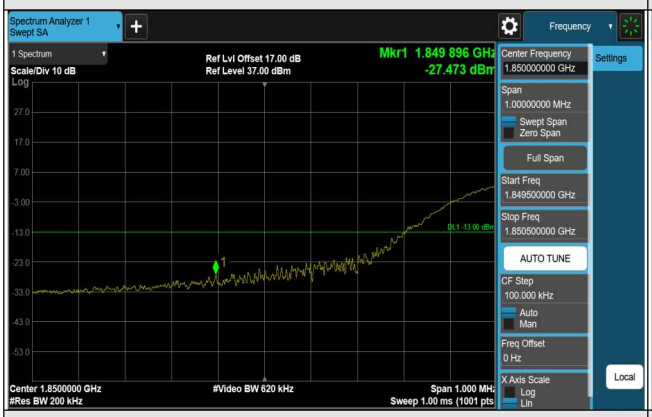
Full (1912.5MHz)

LTE Band 25 (Channel Bandwidth 10MHz)

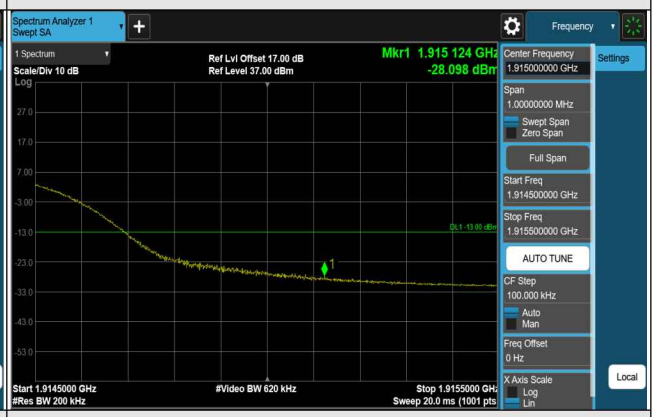


1RB (1855MHz)

1RB (1907.5MHz)

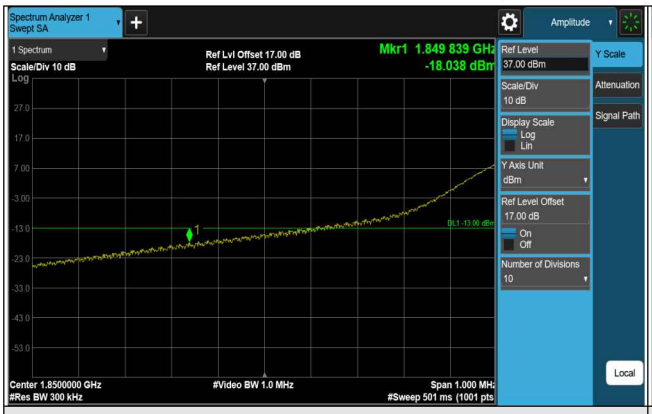


Full (1855MHz)



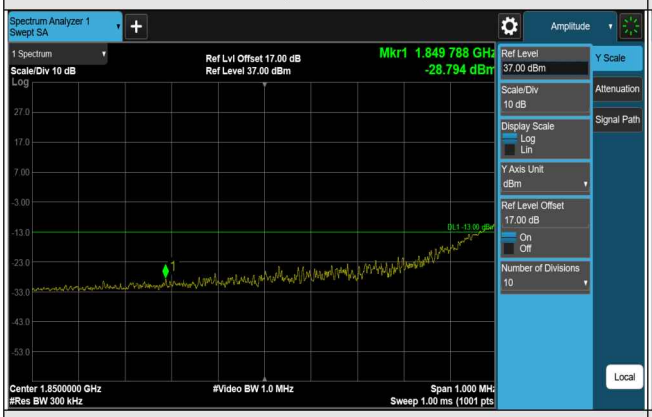
Full (1907.5MHz)

LTE Band 25 (Channel Bandwidth 15MHz)

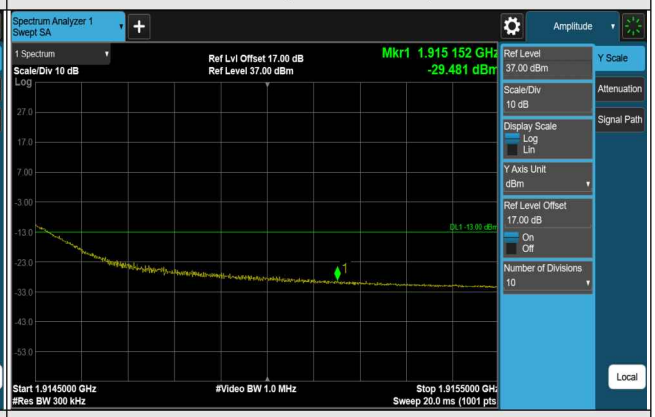


1RB (1857.5MHz)

1RB (1907.5MHz)

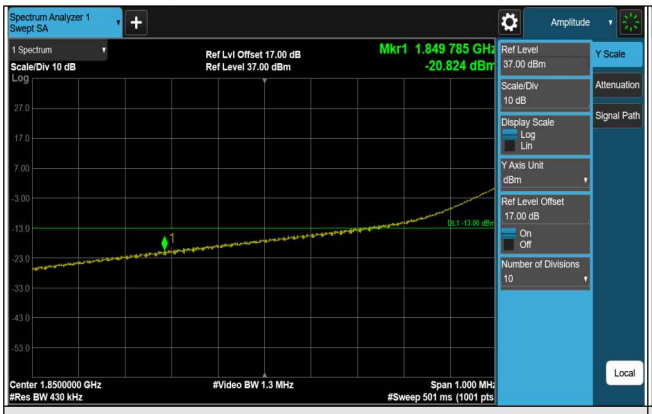


Full (1857.5MHz)



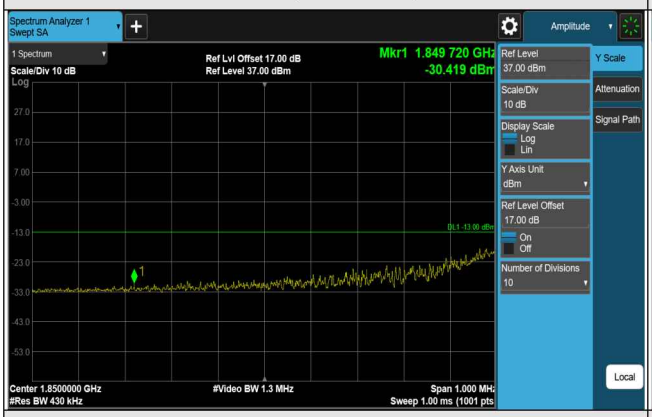
Full (1907.5MHz)

LTE Band 25 (Channel Bandwidth 20MHz)

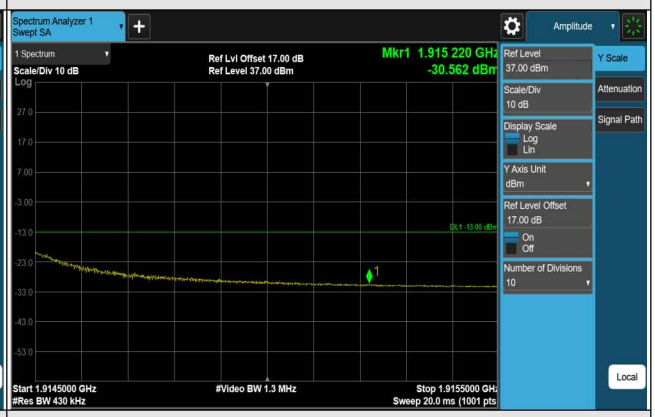


1RB (1860MHz)

1RB (1905MHz)



Full (1860MHz)



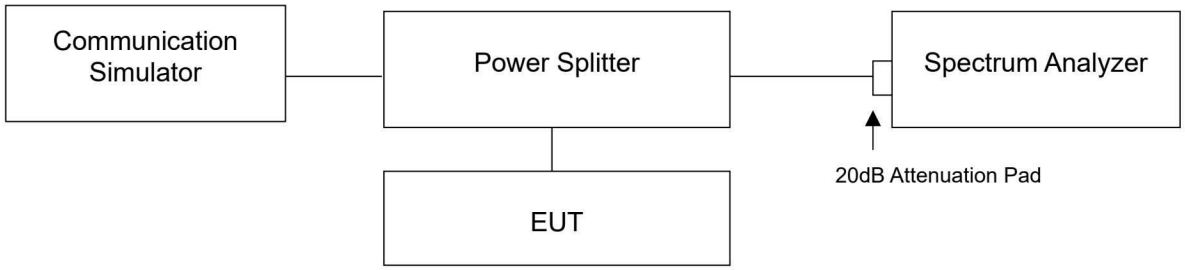
Full (1905MHz)

4.6 Peak to Average Ratio

4.6.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

4.6.2 Test Setup



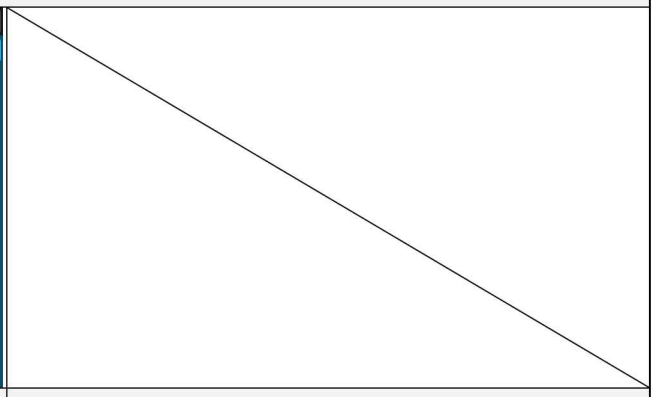
4.6.3 Test Procedures

a. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
b. Set the number of counts to a value that stabilizes the measured CCDF curve;
c. Record the maximum PAPR level associated with a probability of 0.1%.

4.6.4 Test Results

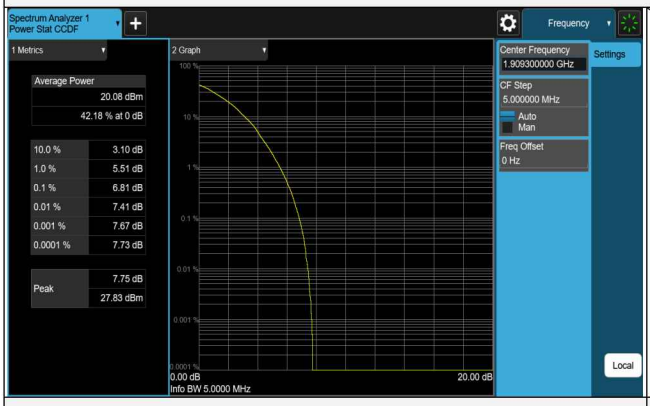
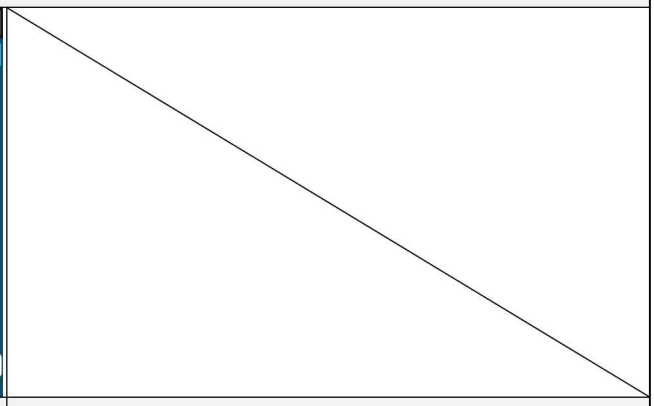
GPRS, EDGE

Test Condition	Channel	Frequency (MHz)	Measure. Value (dB)	Limit (dB)	Result
GPRS	512	1850.2	2.69	13	Pass
GPRS	661	1880	2.63	13	Pass
GPRS	810	1909.8	2.62	13	Pass
EDGE	512	1850.2	2.69	13	Pass
EDGE	661	1880	2.63	13	Pass
EDGE	810	1909.8	2.62	13	Pass

Spectrum Plot of Worst Value	
	
EDGE CH 512 (1850.2MHz)	

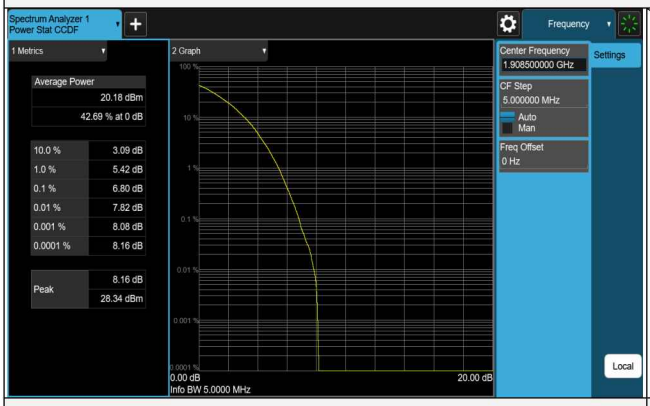
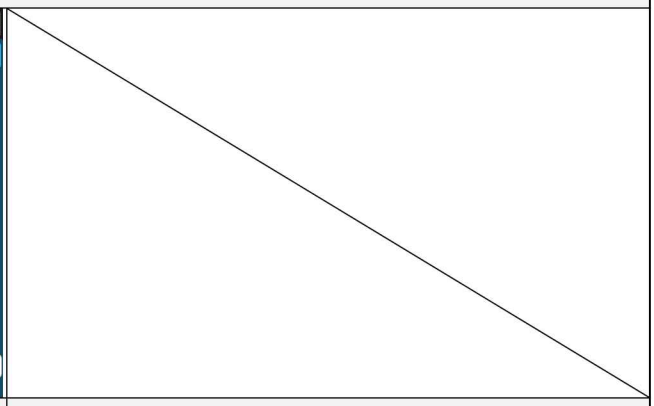
LTE Band 2 (Channel Bandwidth 1.4MHz)

Test Condition	Channel	Frequency (MHz)	Measure. Value (dB)	Limit (dB)	Result
QPSK	18607	1850.7	5.72	13	Pass
QPSK	18900	1880	5.54	13	Pass
QPSK	19193	1909.3	5.88	13	Pass
16QAM	18607	1850.7	6.68	13	Pass
16QAM	18900	1880	6.36	13	Pass
16QAM	19193	1909.3	6.64	13	Pass
64QAM	18607	1850.7	6.75	13	Pass
64QAM	18900	1880	6.57	13	Pass
64QAM	19193	1909.3	6.81	13	Pass

Spectrum Plot of Worst Value	
	
64QAM CH 19193 (1909.3MHz)	

LTE Band 2 (Channel Bandwidth 3MHz)

Test Condition	Channel	Frequency (MHz)	Measure. Value (dB)	Limit (dB)	Result
QPSK	18615	1851.5	5.88	13	Pass
QPSK	18900	1880	5.59	13	Pass
QPSK	19185	1908.5	5.86	13	Pass
16QAM	18615	1851.5	6.72	13	Pass
16QAM	18900	1880	6.46	13	Pass
16QAM	19185	1908.5	6.70	13	Pass
64QAM	18615	1851.5	6.68	13	Pass
64QAM	18900	1880	6.58	13	Pass
64QAM	19185	1908.5	6.80	13	Pass

Spectrum Plot of Worst Value	
	
64QAM CH 19185 (1908.5MHz)	