

1GHz ~ 3GHz-2



1GHz ~ 3GHz-3



1GHz ~ 3GHz-4



3GHz ~ 26.5GHz



Band Edge_UMTS Downlink Low



Band Edge_UMTS Downlink High



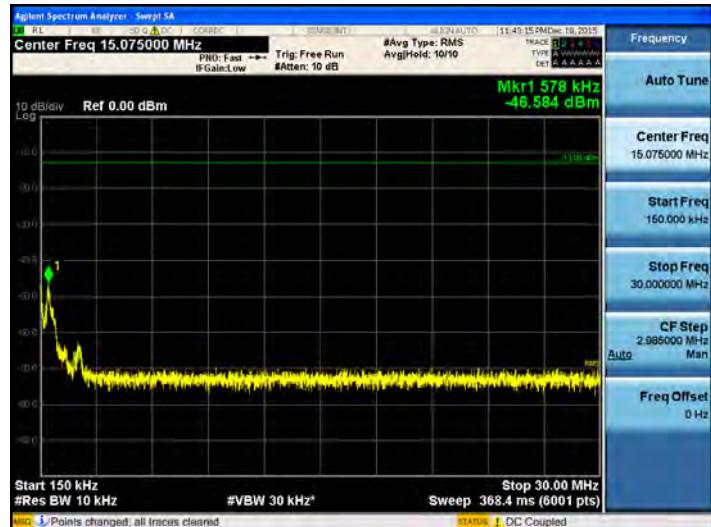
PCS 1900 Band CDMA

[PCS1900 Band CDMA Downlink Low]

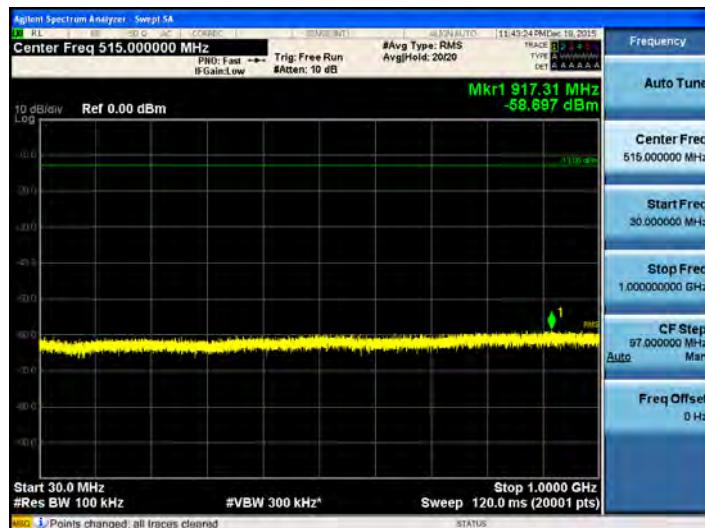
9kHz ~ 150kHz



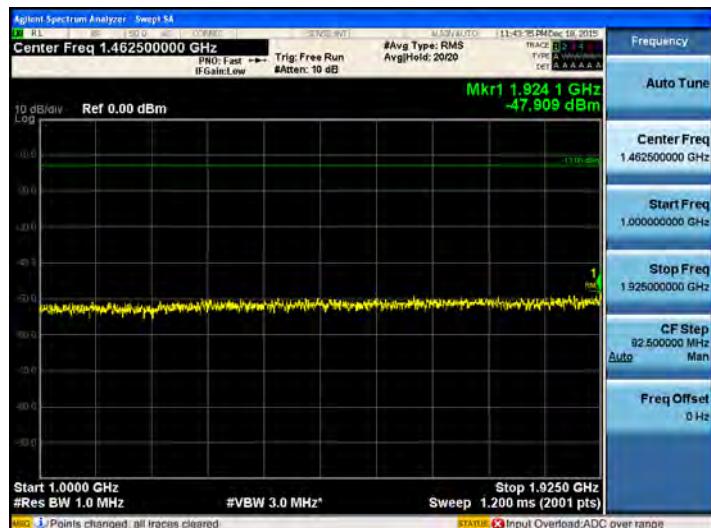
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 3GHz-1



1GHz ~ 3GHz-2

1GHz ~ 3GHz-3

1GHz ~ 3GHz-4

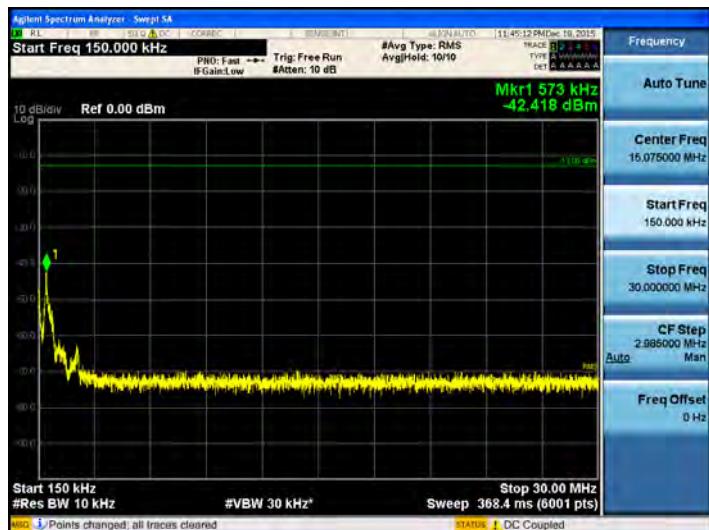
3GHz ~ 26.5GHz


[PCS 1900 Band _ CDMA Downlink Mid]

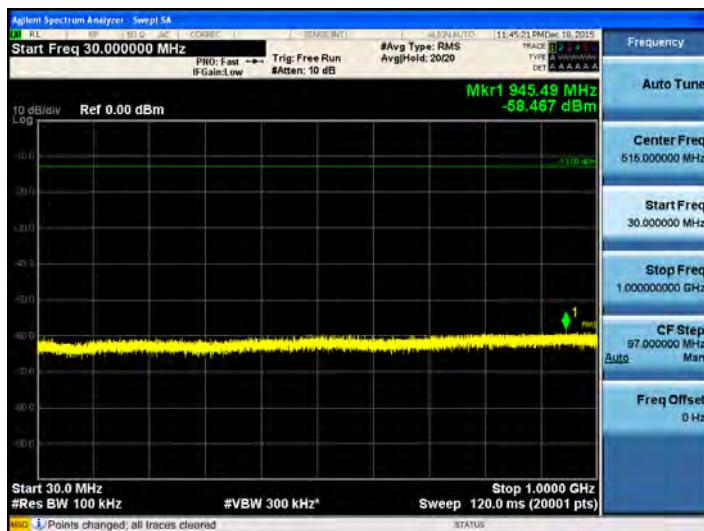
9kHz ~ 150kHz



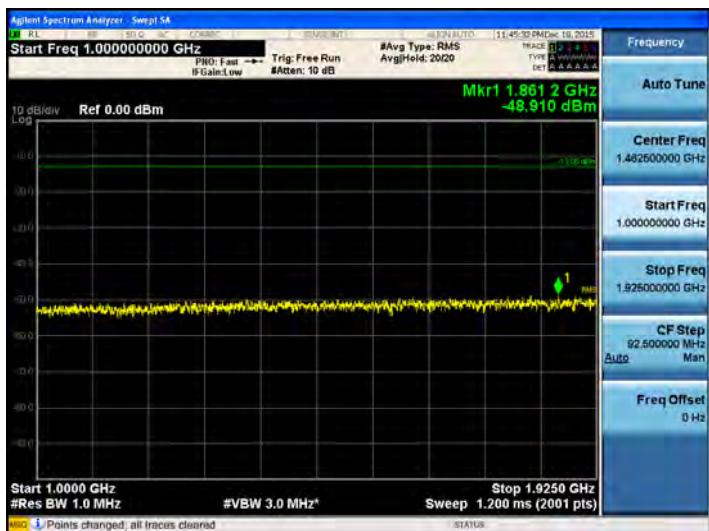
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 3GHz-1



1GHz ~ 3GHz-2



1GHz ~ 3GHz-3



1GHz ~ 3GHz-4



3GHz ~ 26.5GHz

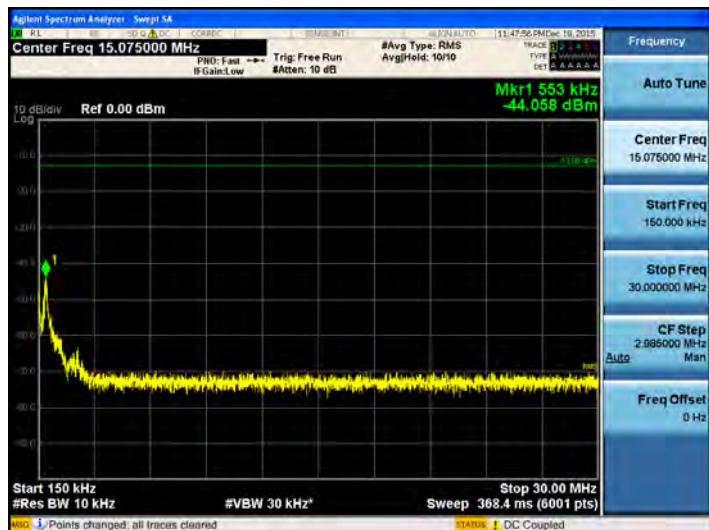


[PCS 1900 Band CDMA Downlink High]

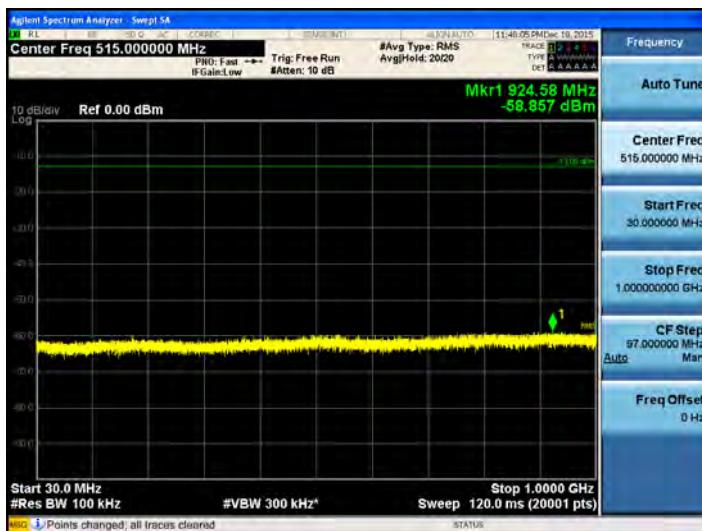
9kHz ~ 150kHz



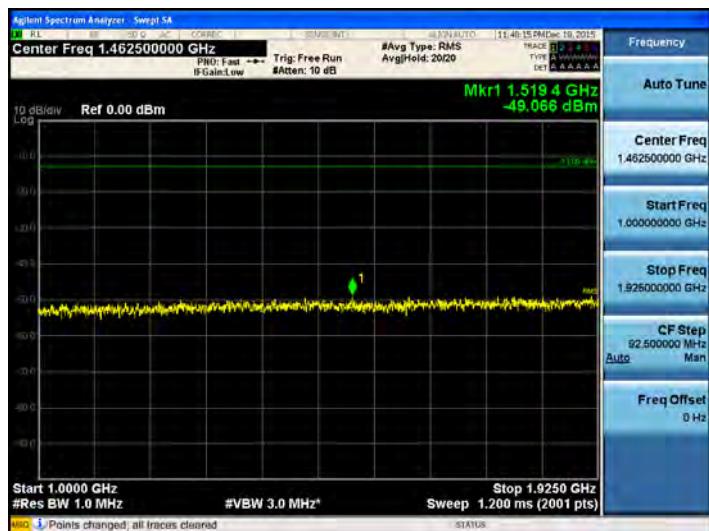
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 3GHz-1



1GHz ~ 3GHz-2

1GHz ~ 3GHz-3

1GHz ~ 3GHz-4

3GHz ~ 26.5GHz


Band Edge_CDMA Downlink Low



Band Edge_CDMA Downlink High

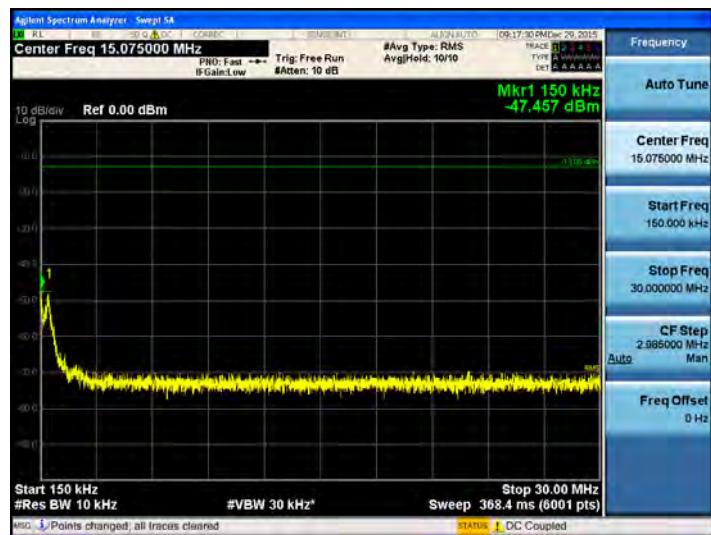
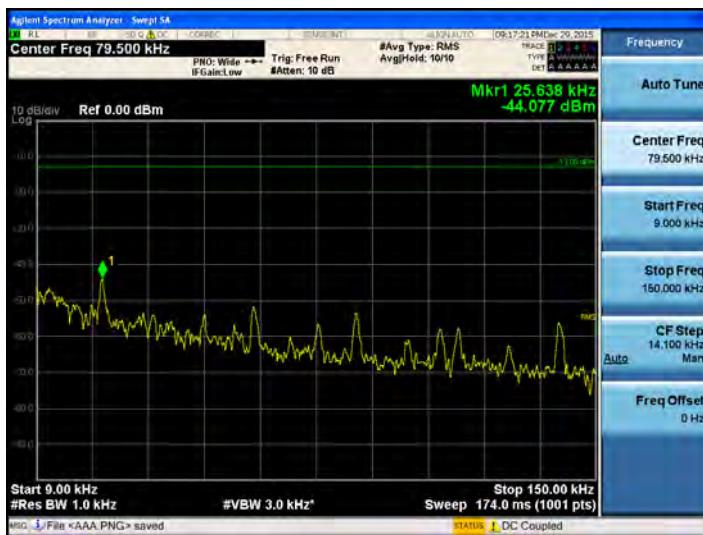


PCS 1900 Band GSM

[PCS1900 Band GSM Downlink Low]

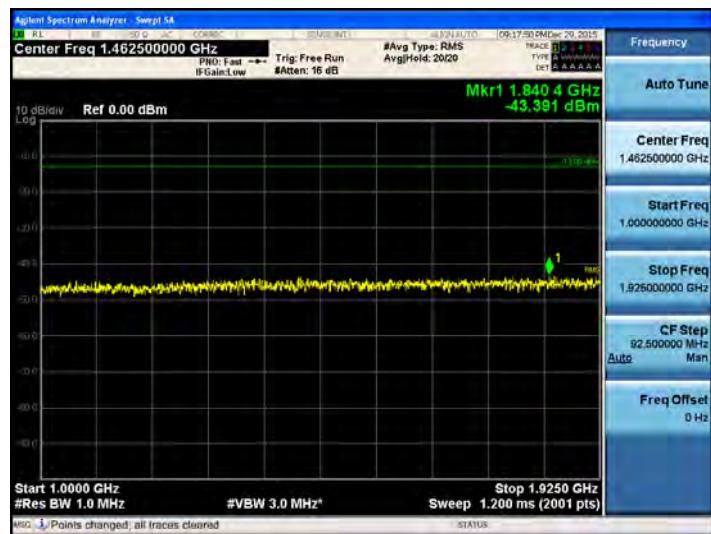
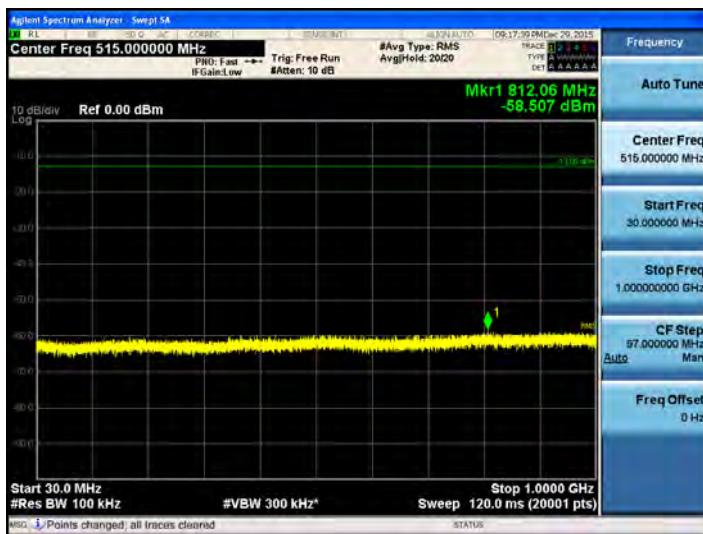
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 3GHz-1



1GHz ~ 3GHz-2

1GHz ~ 3GHz-3

1GHz ~ 3GHz-4

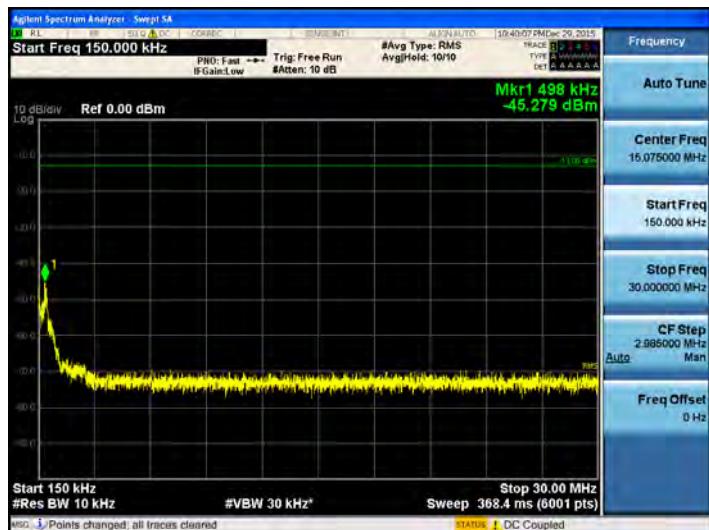
3GHz ~ 26.5GHz


[PCS 1900 Band _GSM Downlink Mid]

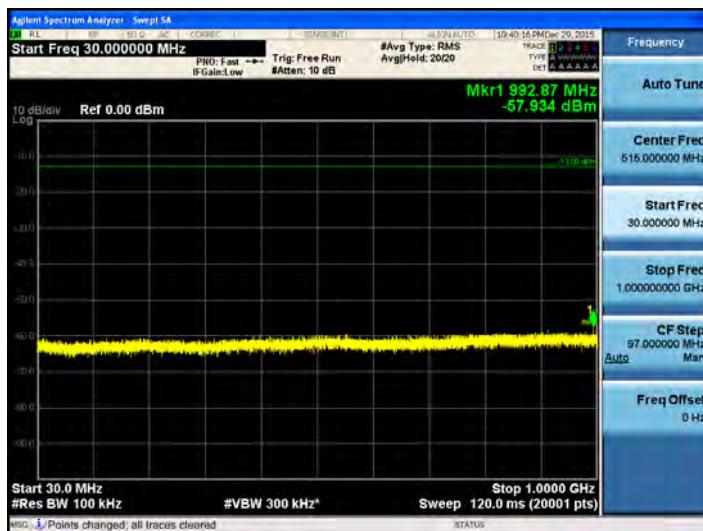
9kHz ~ 150kHz



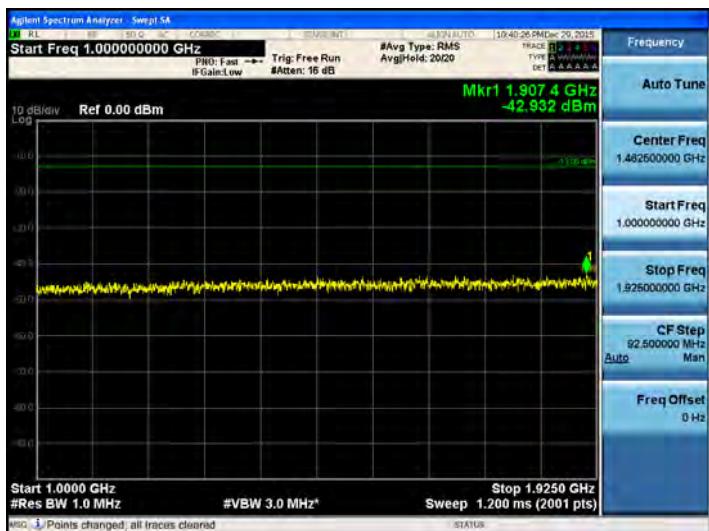
150kHz ~ 30MHz



30MHz ~ 1GHz

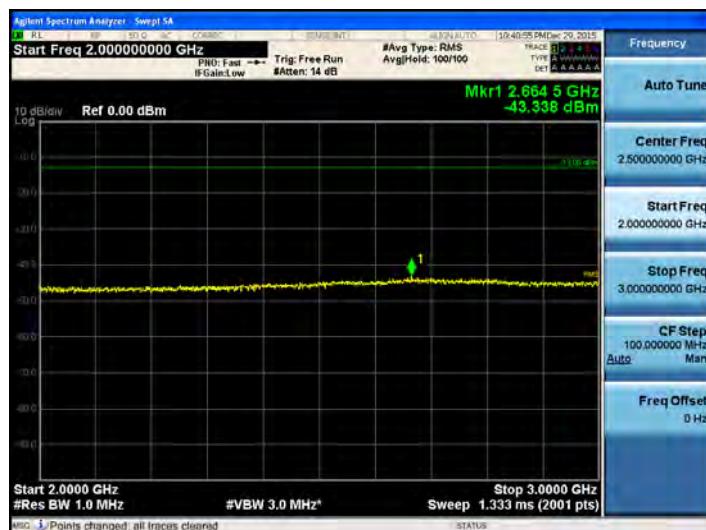


1GHz ~ 3GHz-1



1GHz ~ 3GHz-2

1GHz ~ 3GHz-3

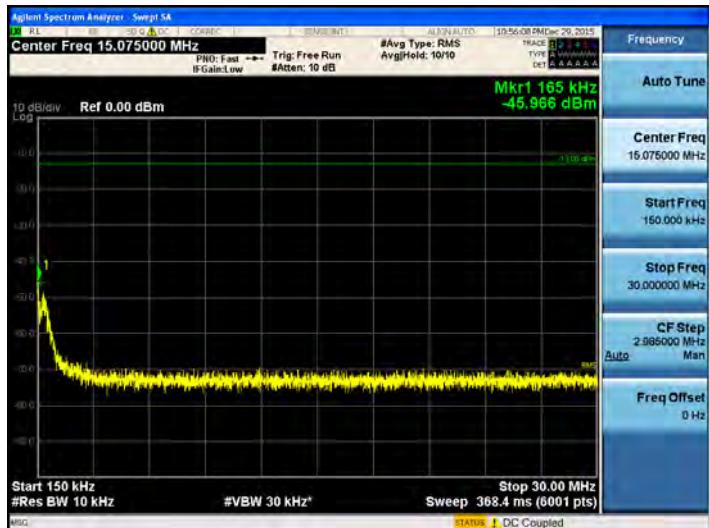
1GHz ~ 3GHz-4

3GHz ~ 26.5GHz


[PCS 1900 Band CDMA Downlink High]

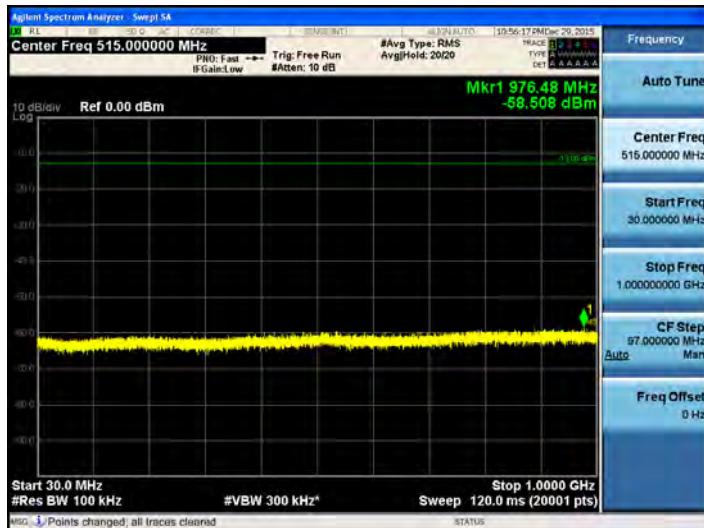
9kHz ~ 150kHz



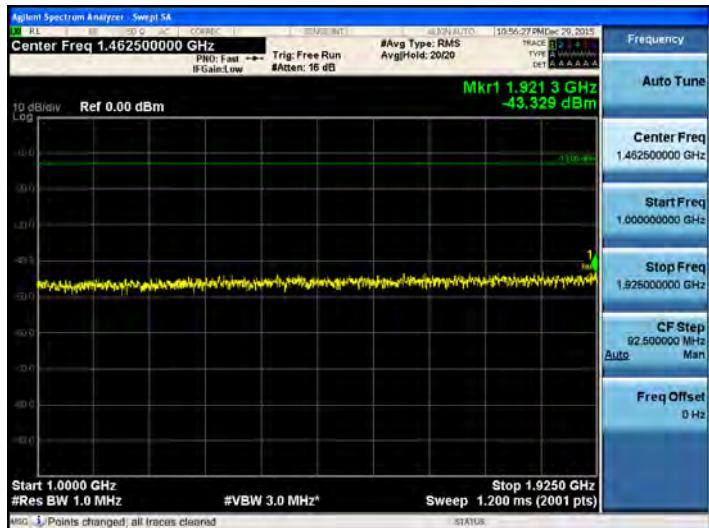
150kHz ~ 30MHz



30MHz ~ 1GHz

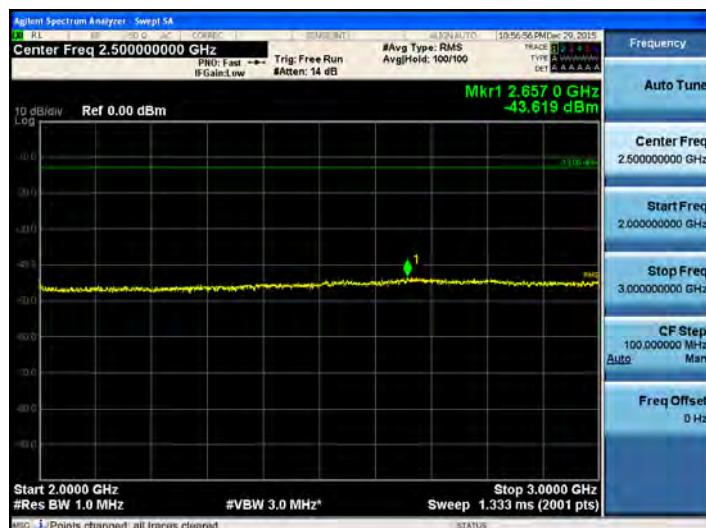


1GHz ~ 3GHz-1



1GHz ~ 3GHz-2

1GHz ~ 3GHz-3

1GHz ~ 3GHz-4

3GHz ~ 26.5GHz


Band Edge_GSM Downlink Low



Band Edge_GSM Downlink High

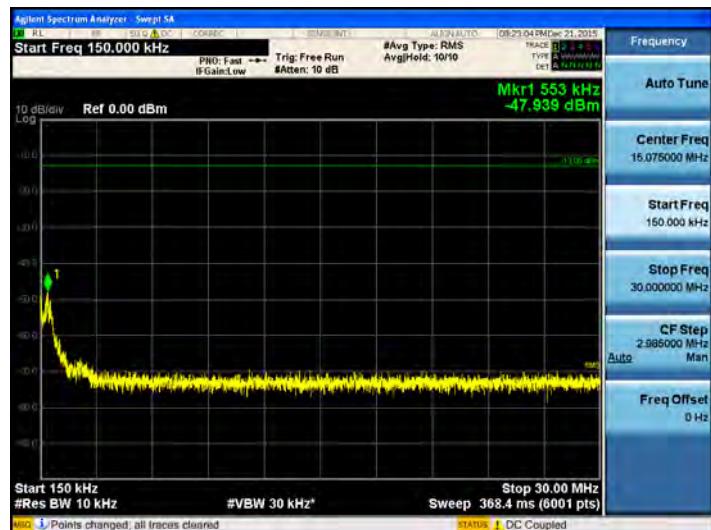


WCS Band LTE 10MHz

[WCS Band LTE10MHz Downlink Mid]

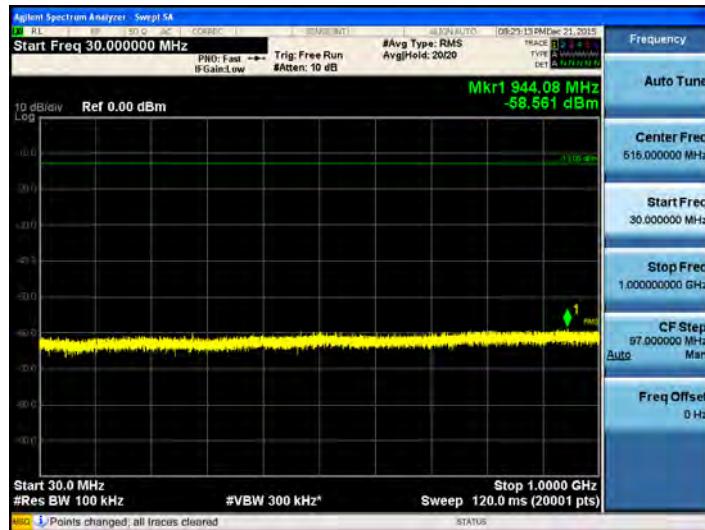
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz~ 2200 MHz



2200 MHz ~ 2285 MHz



2285 MHz ~ 2287.5 MHz



2287.5 MHz ~ 2300 MHz



2300 MHz ~ 2305 MHz



2305 MHz ~ 2320 MHz

2320 MHz ~ 2345 MHz

2345 MHz ~ 2350 MHz

2360 MHz ~ 2362.5 MHz


2362.5 MHz ~ 2365 MHz



2365 MHz ~ 2367.5 MHz



2367.5 MHz ~ 2370 MHz



2370 MHz ~ 2395 MHz



2395 MHz ~ 3 GHz



3 GHz ~ 26.5 GHz

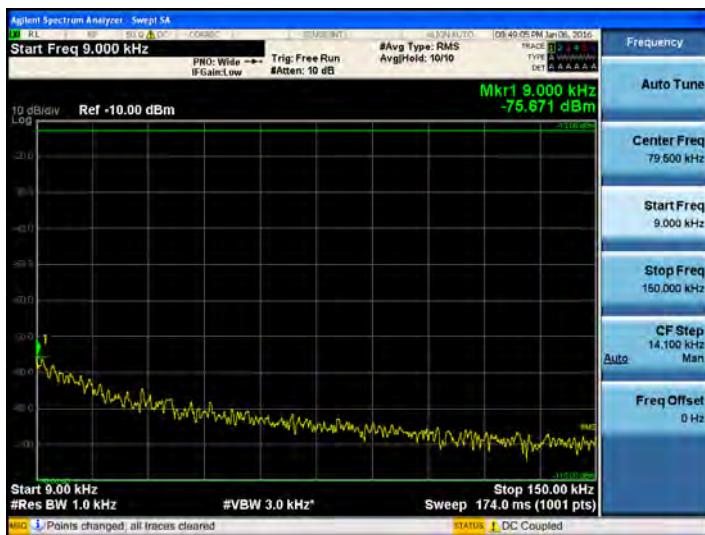


Uplink

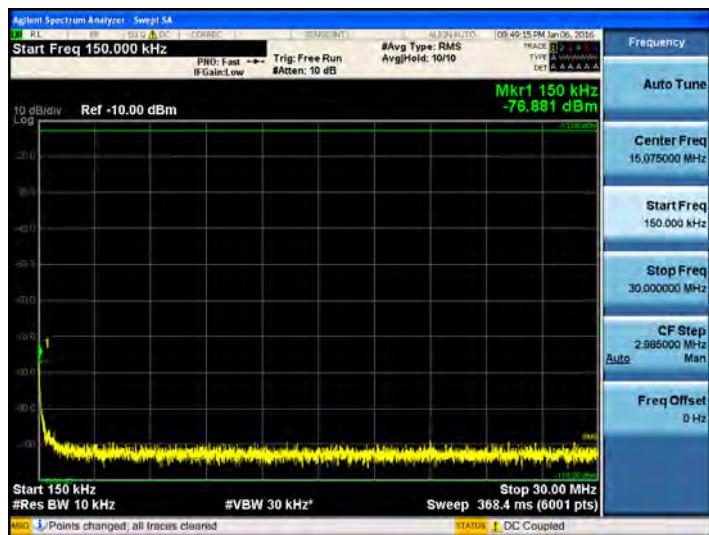
700 MHz Band LTE

[700MHz _LTE 5 MHz Uplink Low]

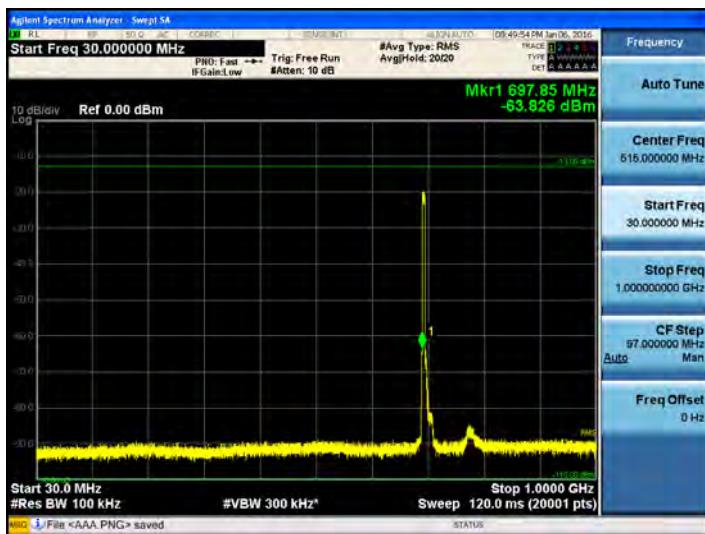
9kHz ~ 150kHz



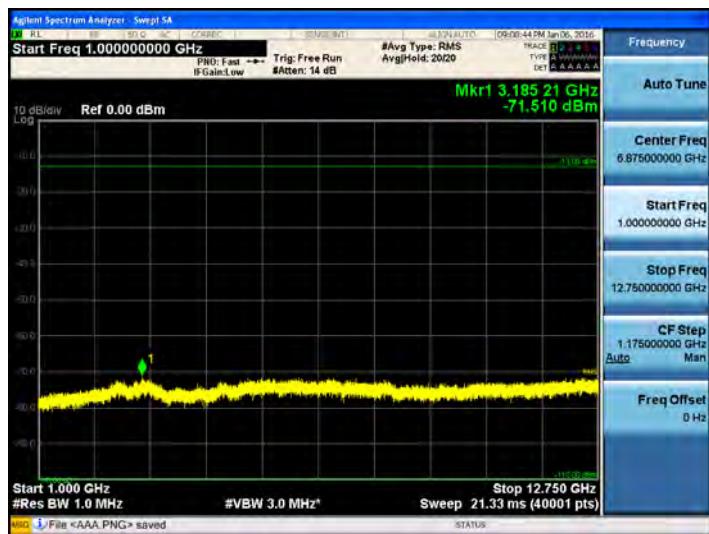
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz

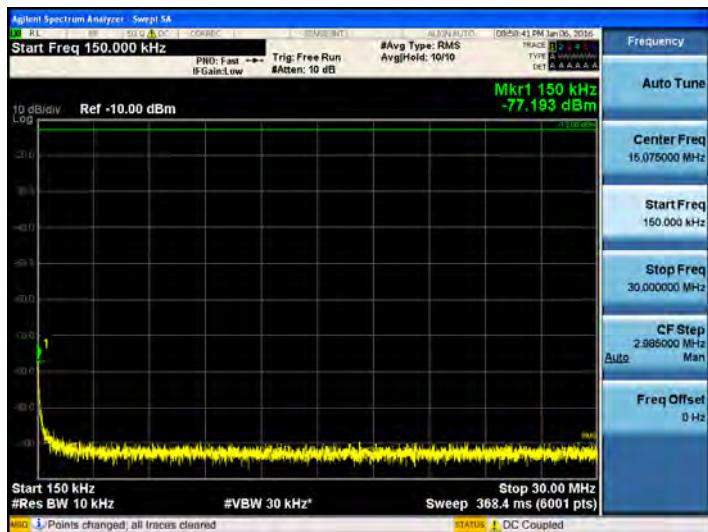


[700MHz _LTE 5 MHz Uplink Mid]

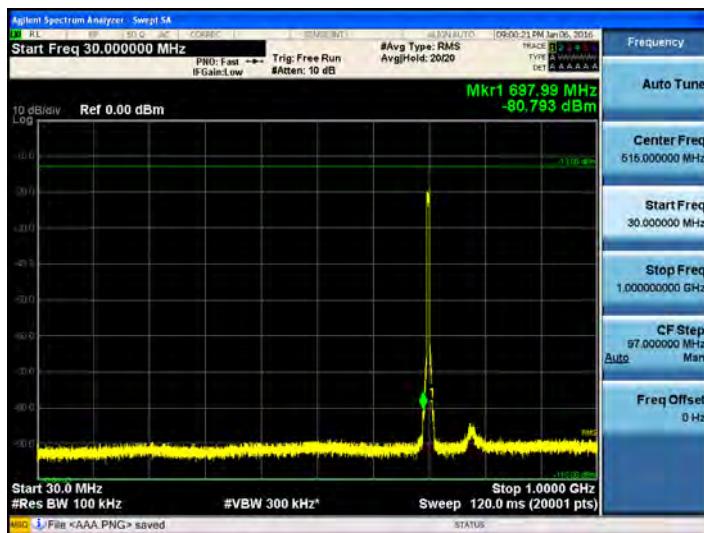
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz

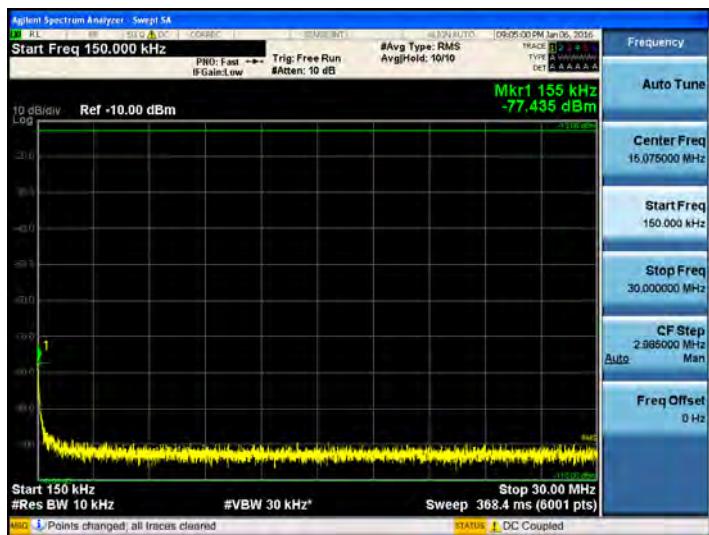


[700MHz _LTE 5 MHz Uplink High]

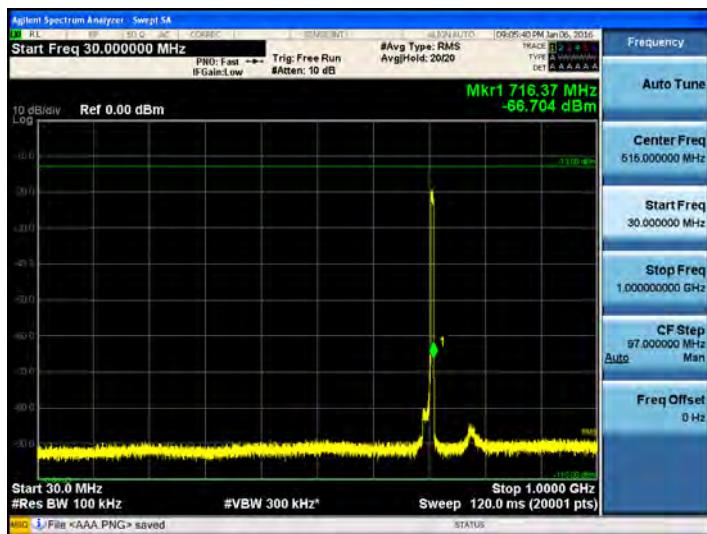
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



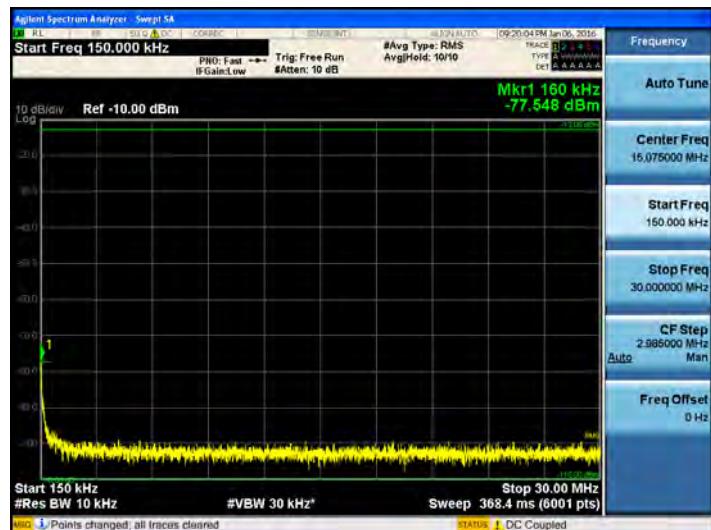
Band Edge_LTE 5MHz UplinkLow**Band Edge_LTE 5MHz Uplink High**

700 MHz Band LTE_10 MHz

[700MHz _LTE 10 MHz Uplink Low]

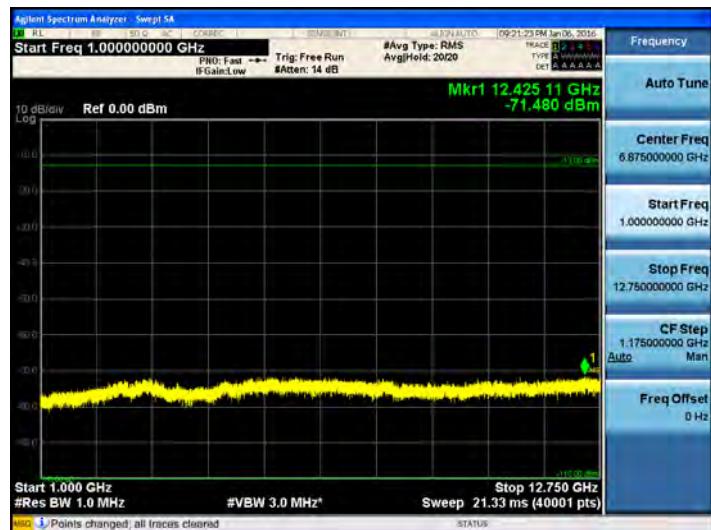
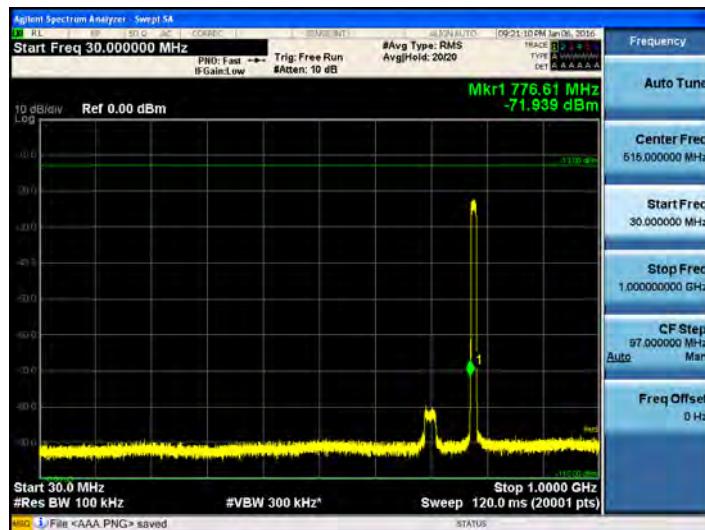
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 12.75GHz



763MHz ~ 775MHz



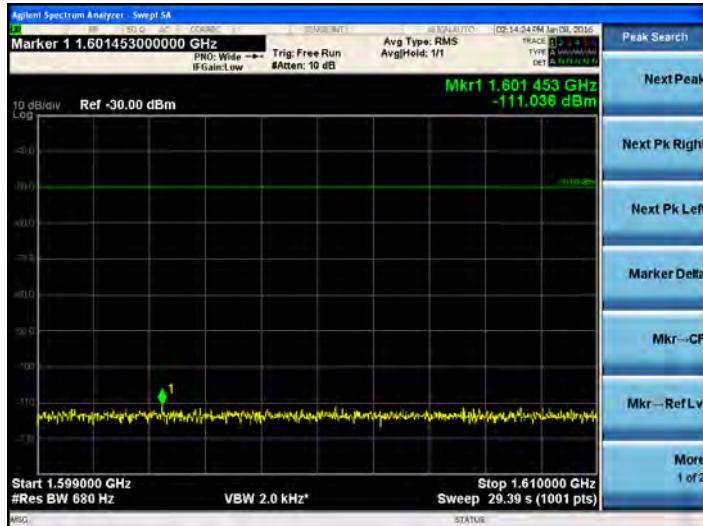
793MHz ~ 805MHz



1559MHz ~ 1610MHz



1559MHz ~ 1610MHz



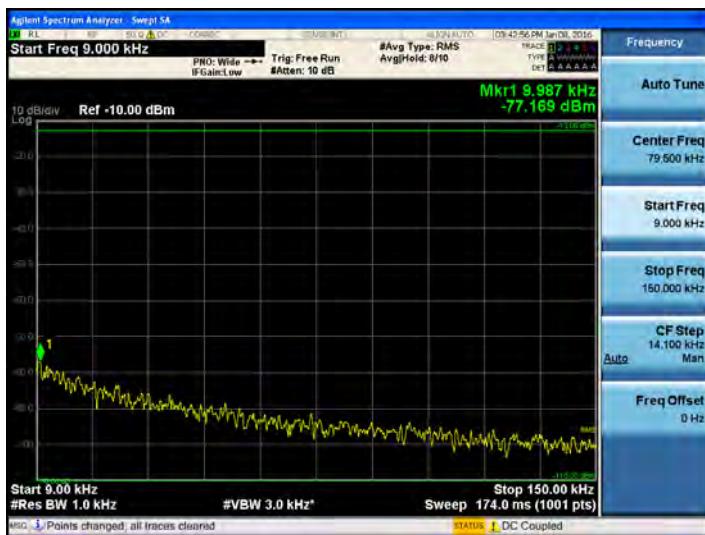
Band Edge_LTE 10MHz Uplink Low

Band Edge_LTE 10MHz Uplink High

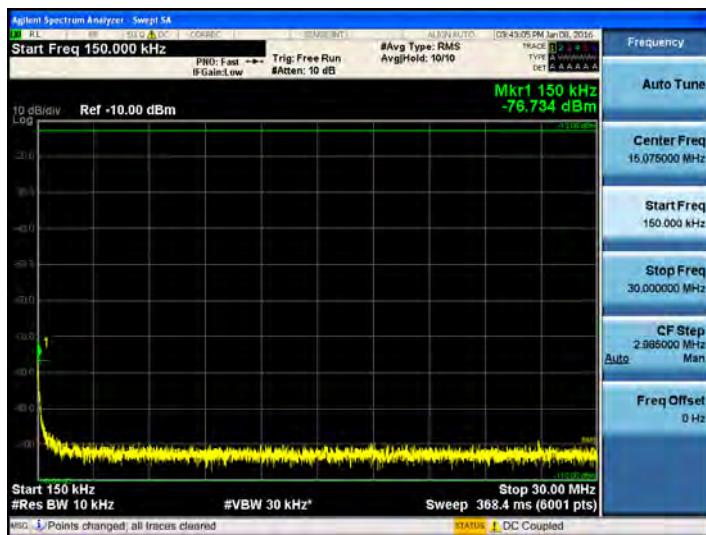

SMR800, 850Cellular Band LTE

[SMR800, 850Cellular Band LTE 5 MHz Uplink Low]

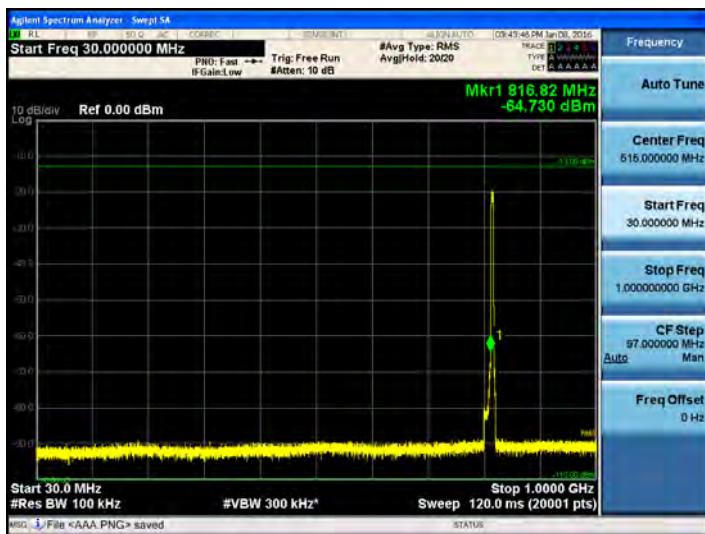
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



[SMR800, 850Cellular Band _LTE 5 MHz Uplink Mid]

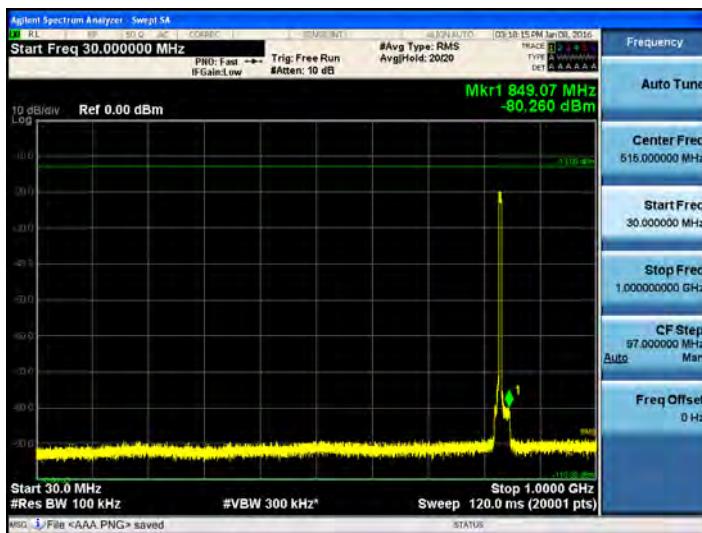
9kHz ~ 150kHz



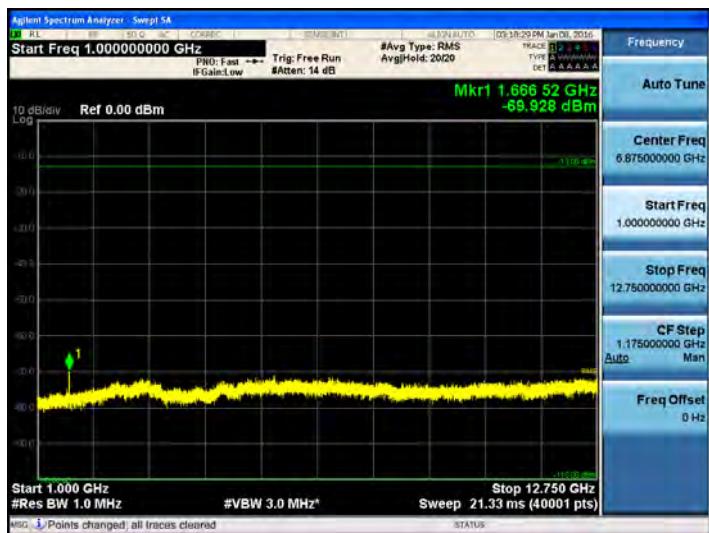
150kHz ~ 30MHz



30MHz ~ 1GHz



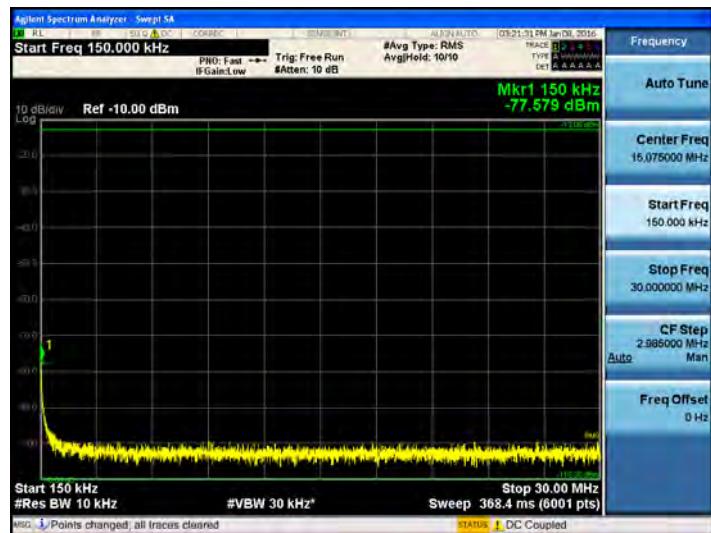
1GHz ~ 12.75GHz



[SMR800, 850Cellular Band _LTE 5 MHz Uplink High]

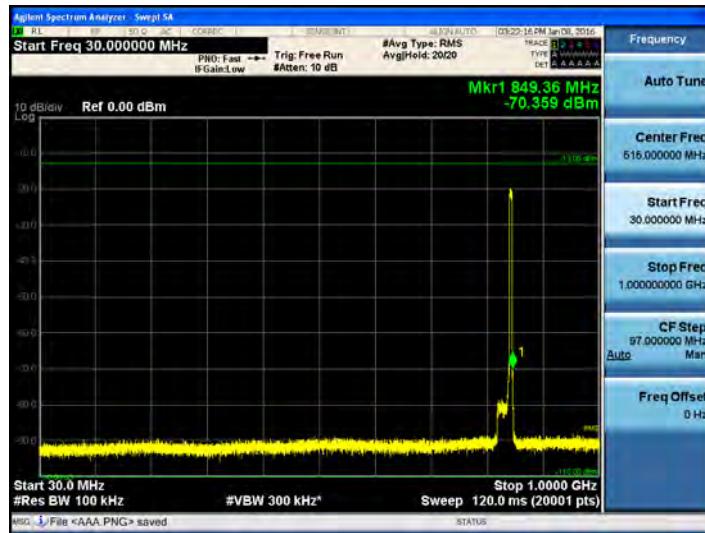
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 12.75GHz

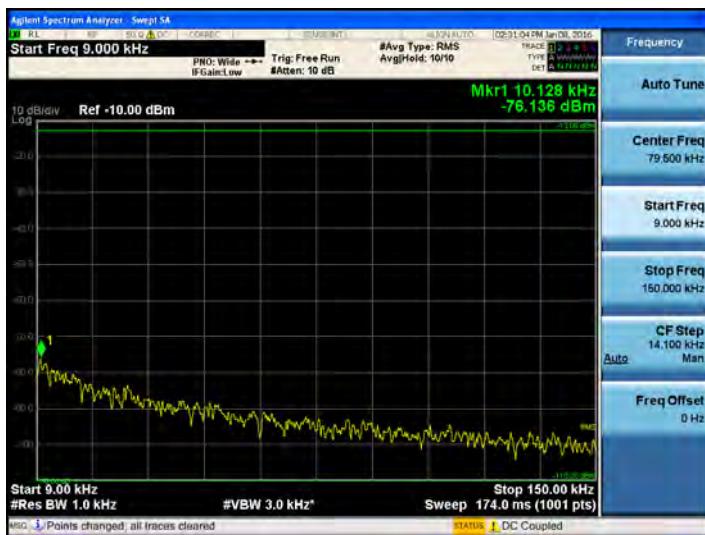
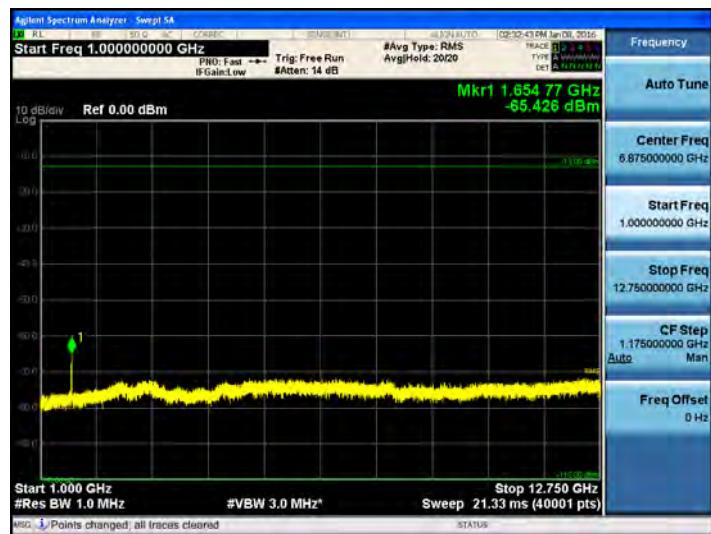
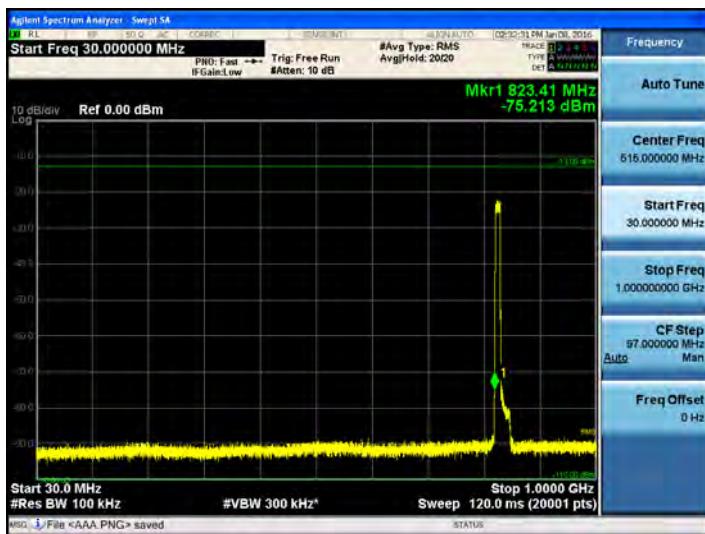


Band Edge LTE 5MHz Uplink Low



Band Edge LTE 5MHz Uplink High



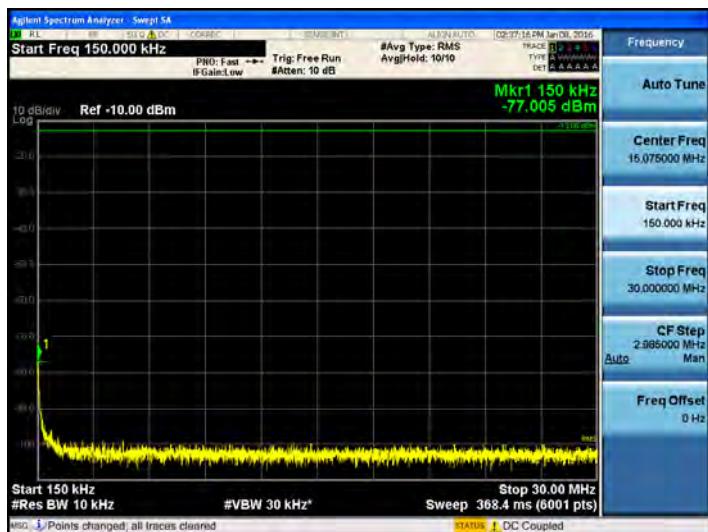
SMR800, 850Cellular Band LTE_10 MHz
[850Cellular_LTE 10 MHz Uplink Low]
9kHz ~ 150kHz**150kHz ~ 30MHz****30MHz ~ 1GHz****1GHz ~ 12.75GHz**

[Band _LTE 10 MHz Downlink High]

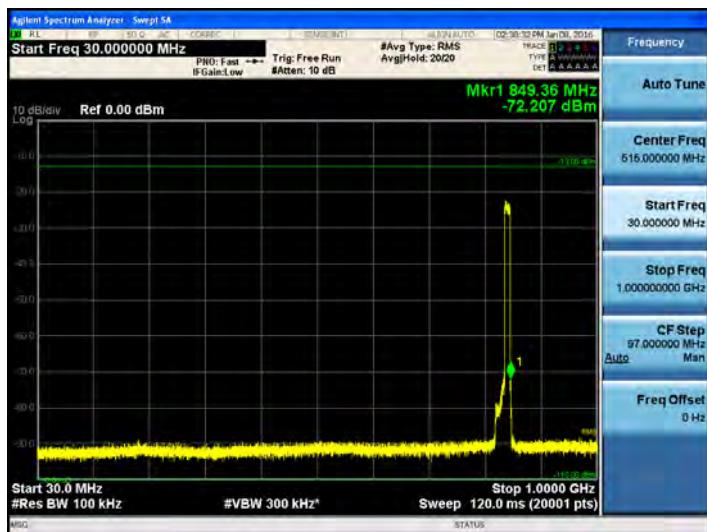
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



Band Edge_LTE 10MHz Uplink Low**Band Edge_LTE 10MHz Uplink High**

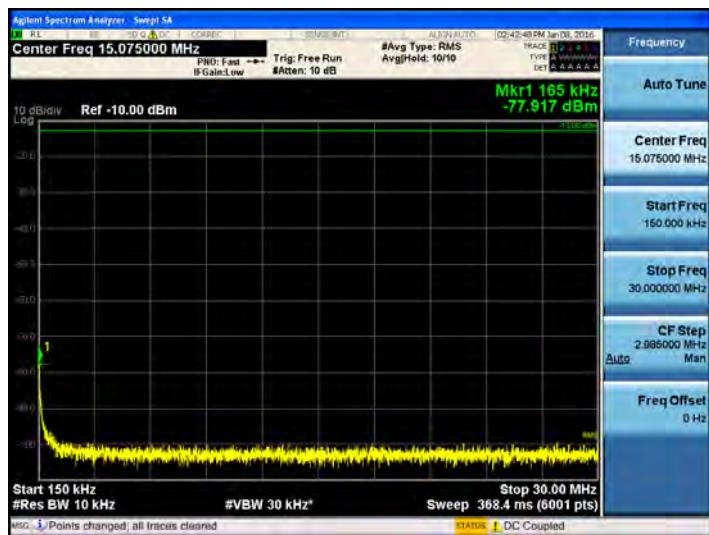
850Cellular Band UMTS

[850Cellular Band UMTS Uplink Low]

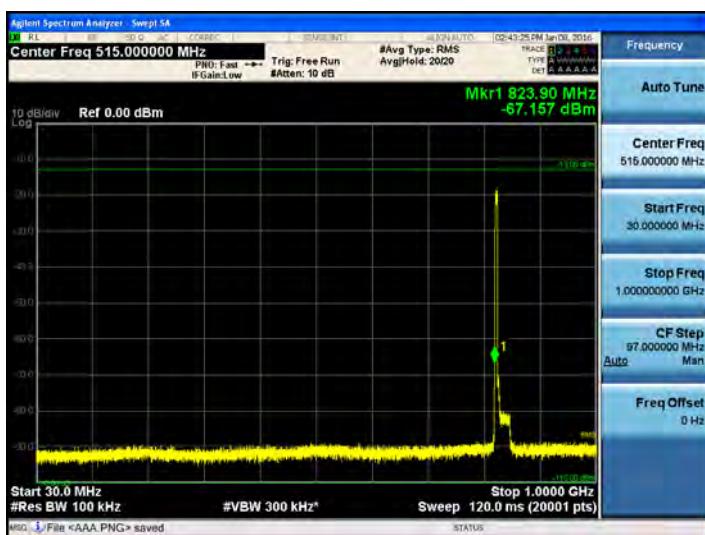
9kHz ~ 150kHz



150kHz ~ 30MHz

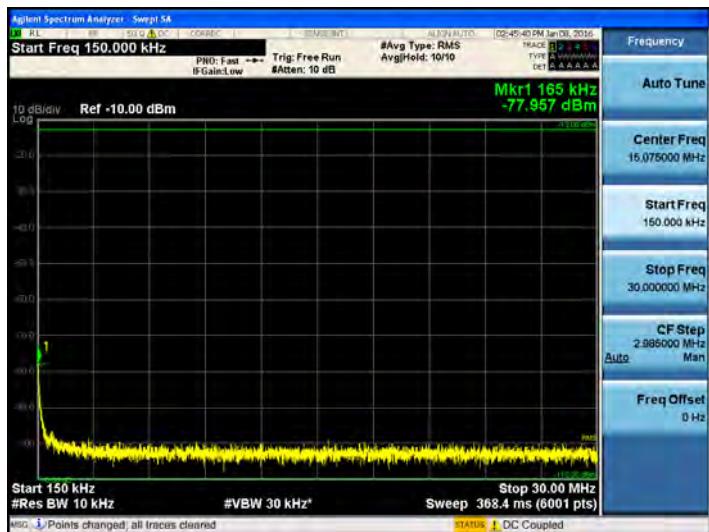
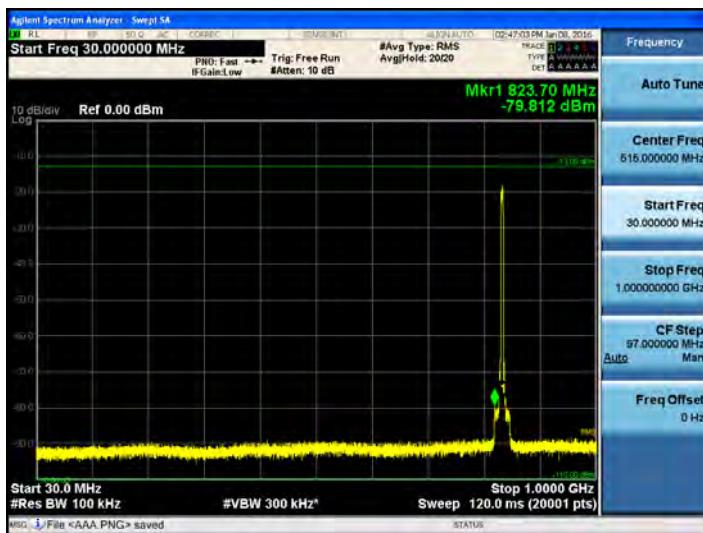


30MHz ~ 1GHz



1GHz ~ 12.75GHz



[850Cellular Band _UMTS Uplink Mid]
9kHz ~ 150kHz**150kHz ~ 30MHz****30MHz ~ 1GHz****1GHz ~ 12.75GHz**

[850Cellular Band UMTS Uplink High]

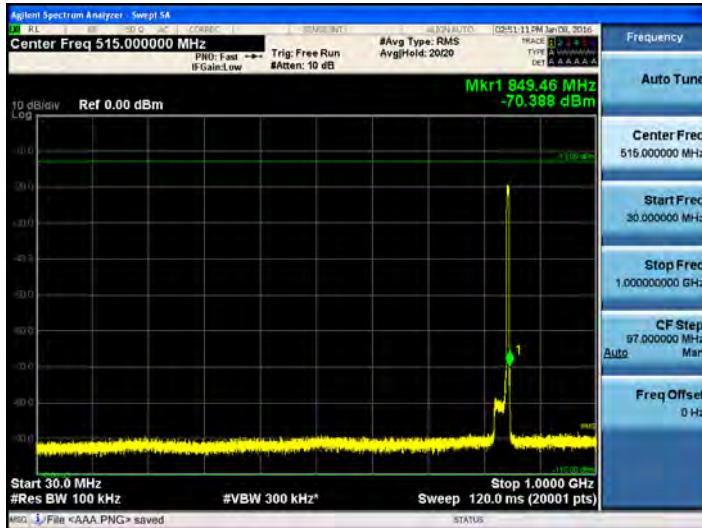
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 12.75GHz



Band Edge_UMTS Uplink Low



Band Edge_UMTS Uplink High



SMR800, 850Cellular Band CDMA

[SMR800, 850Cellular Band CDMA Uplink Low]

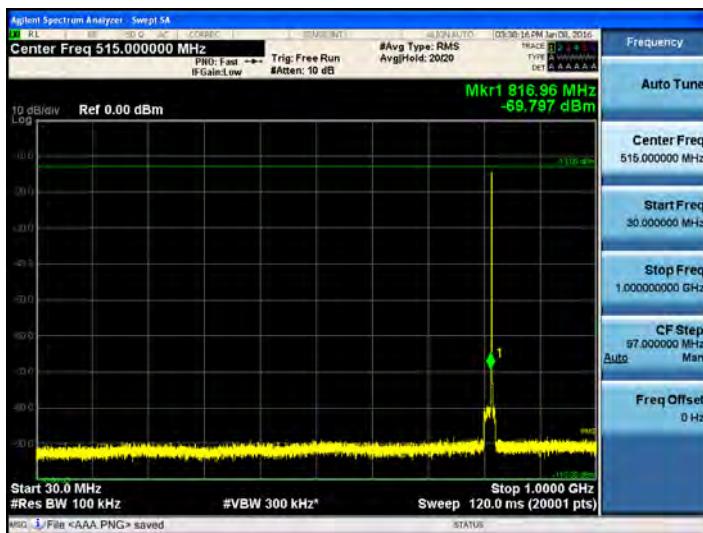
9kHz ~ 150kHz



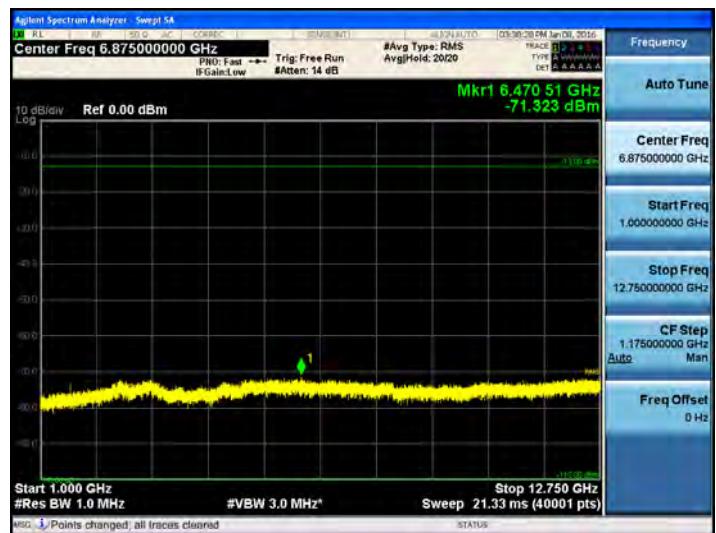
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



[SMR800, 850Cellular Band _ CDMA Uplink Mid]

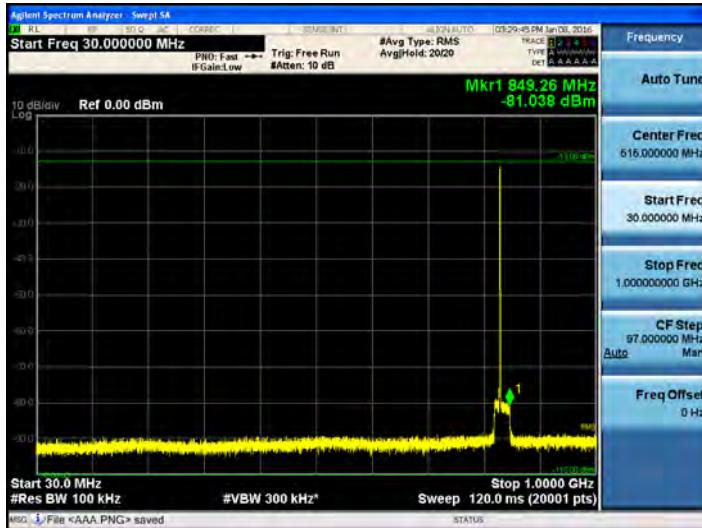
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



[SMR800, 850Cellular Band CDMA Uplink High]

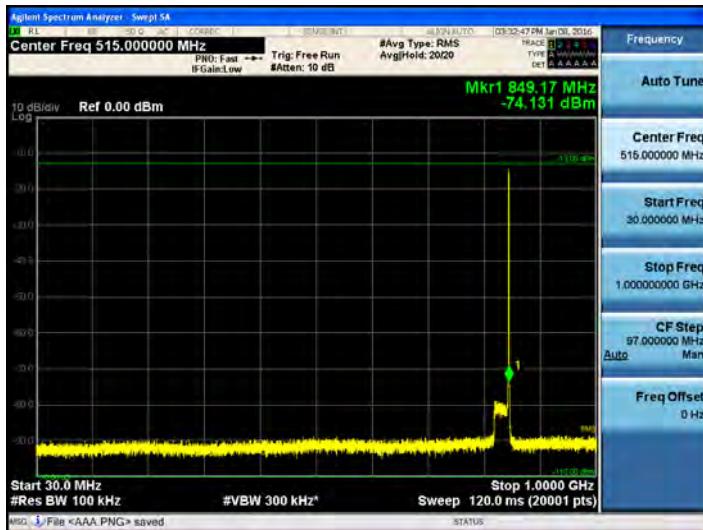
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



Band Edge_CDMA Uplink Low



Band Edge_CDMA Uplink High



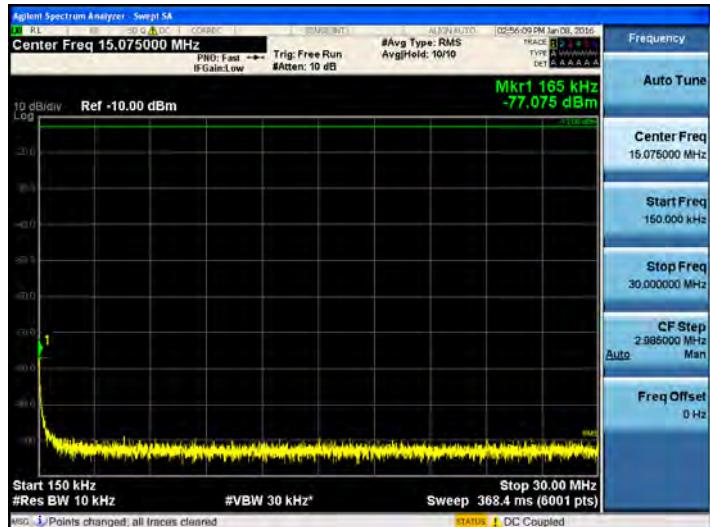
850Celluar Band GSM

[850Celluar Band GSM Uplink Low]

9kHz ~ 150kHz



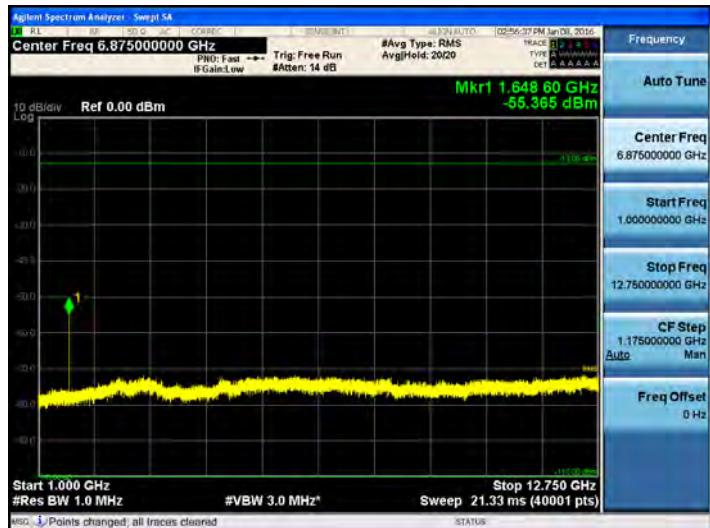
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



[850Cellular Band _ GSM Uplink Mid]

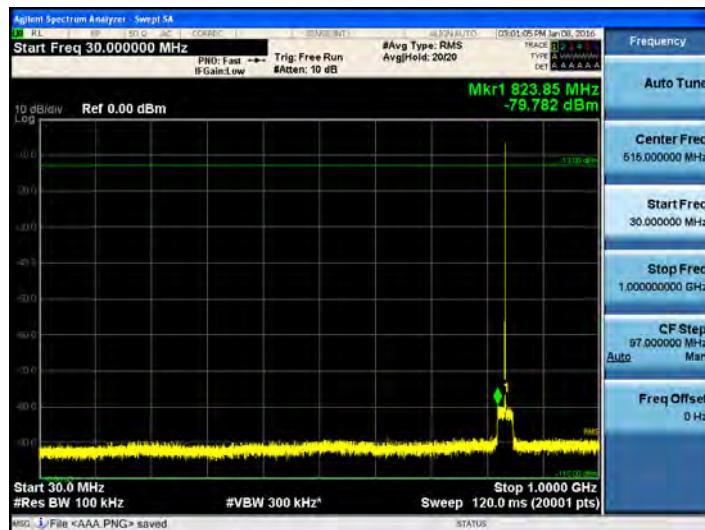
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz

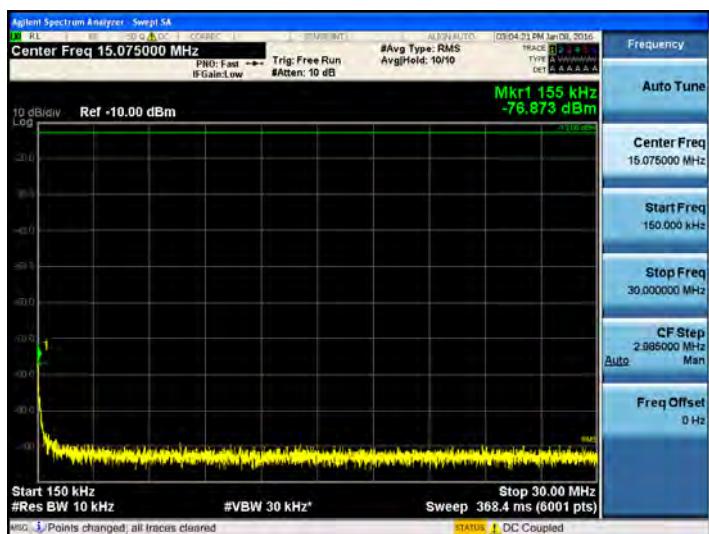


[850Cellular Band GSM Uplink High]

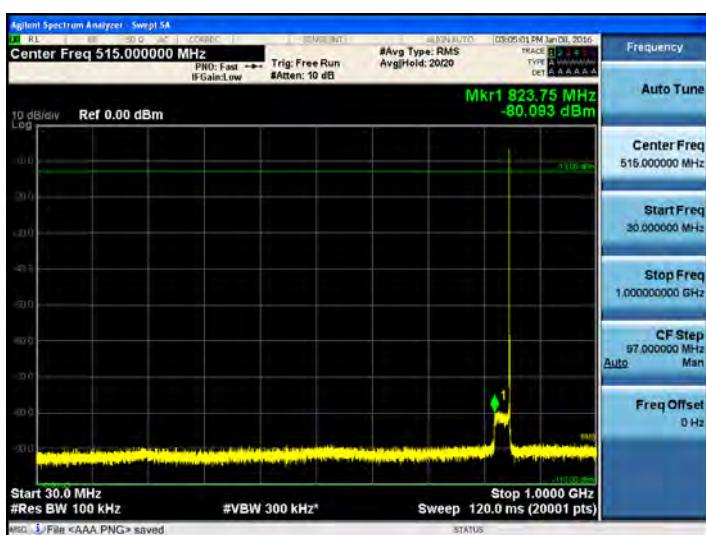
9kHz ~ 150kHz



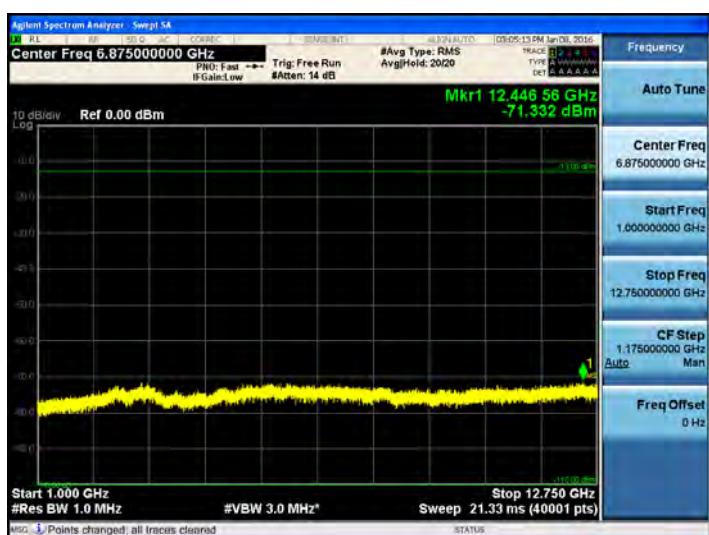
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 12.75GHz



Band Edge_GSM Downlink Low

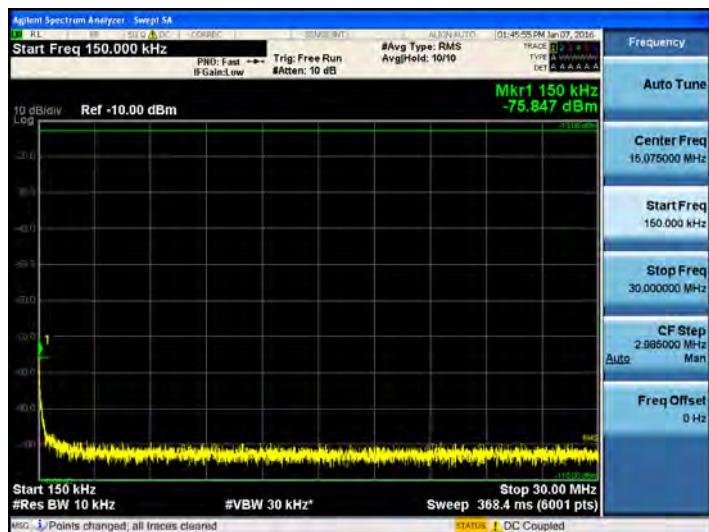
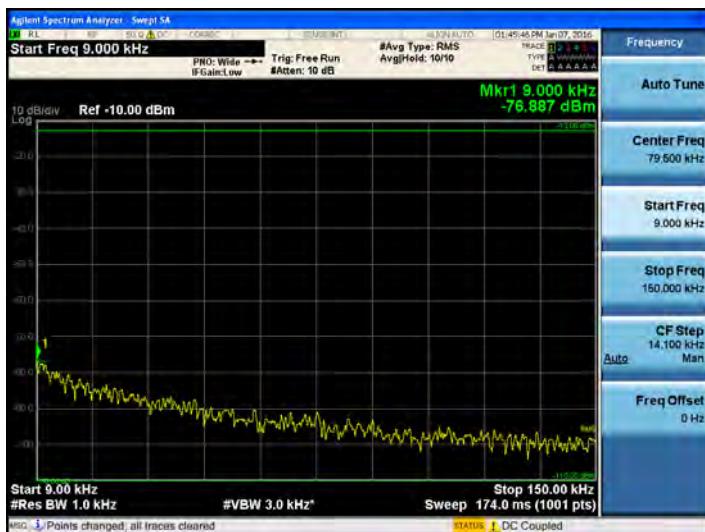
Band Edge_GSM Downlink High


AWS2100 Band LTE 5MHz

[AWS2100 Band LTE 5MHz Uplink Low]

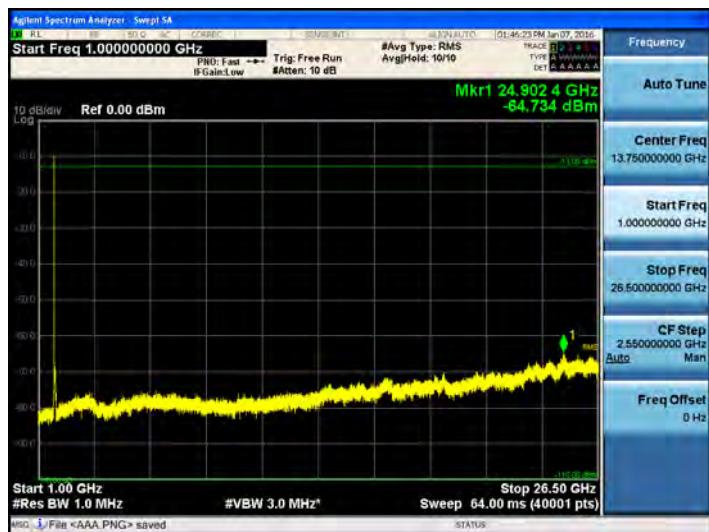
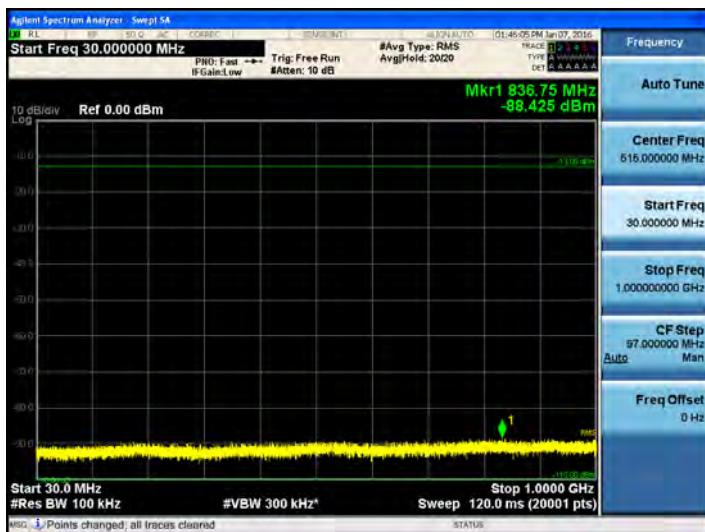
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 26.5GHz



[AWS2100 Band _LTE 5MHz Uplink Mid]

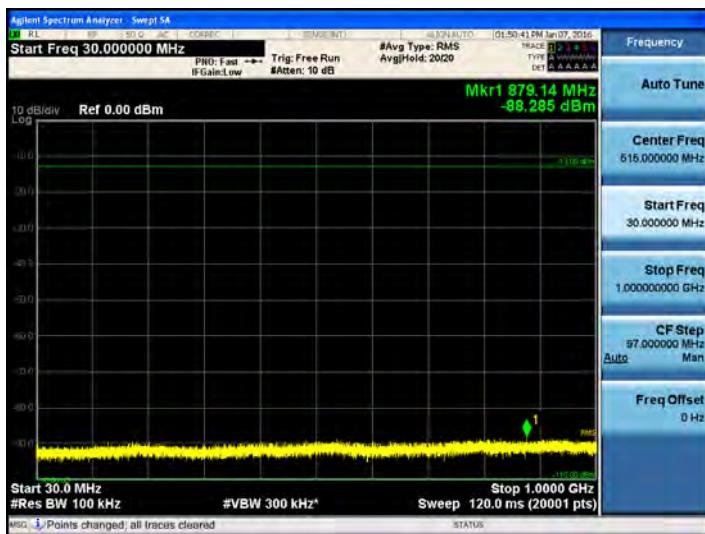
9kHz ~ 150kHz



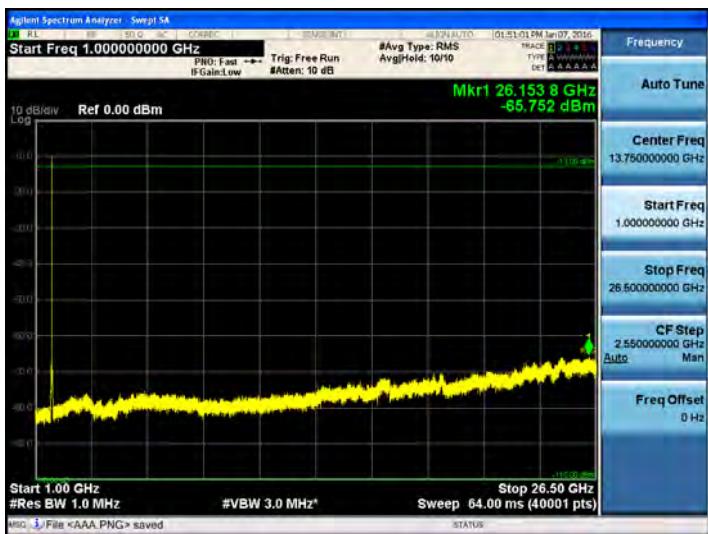
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz



[AWS2100 Band LTE 5MHz Uplink High]

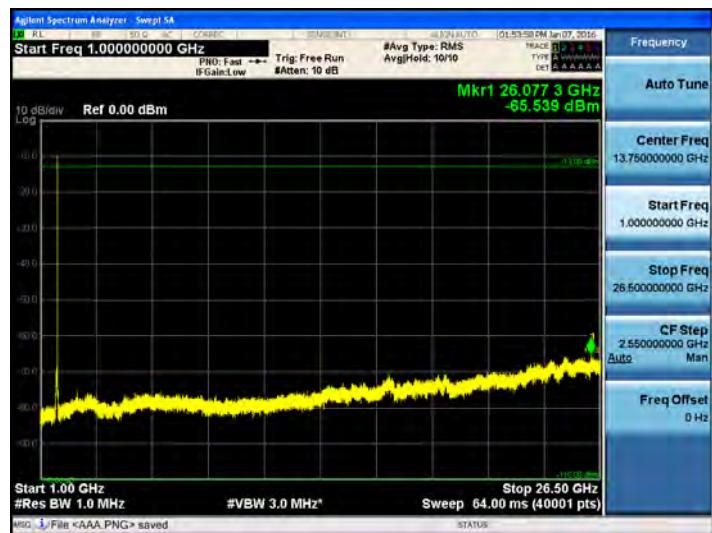
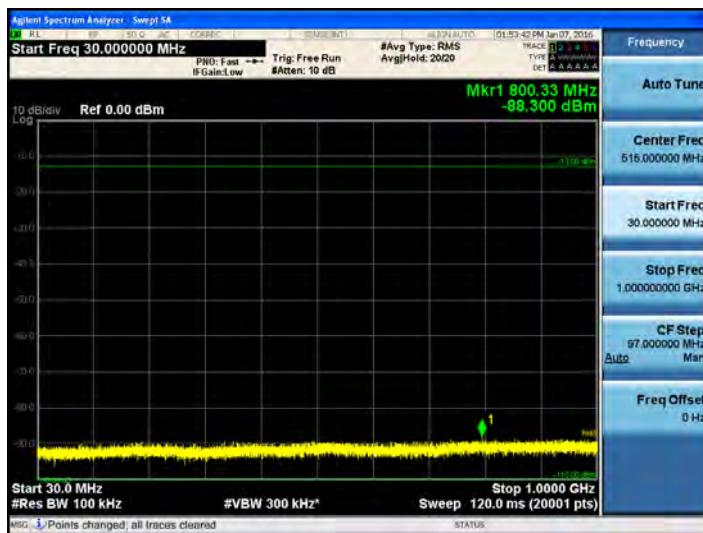
9kHz ~ 150kHz

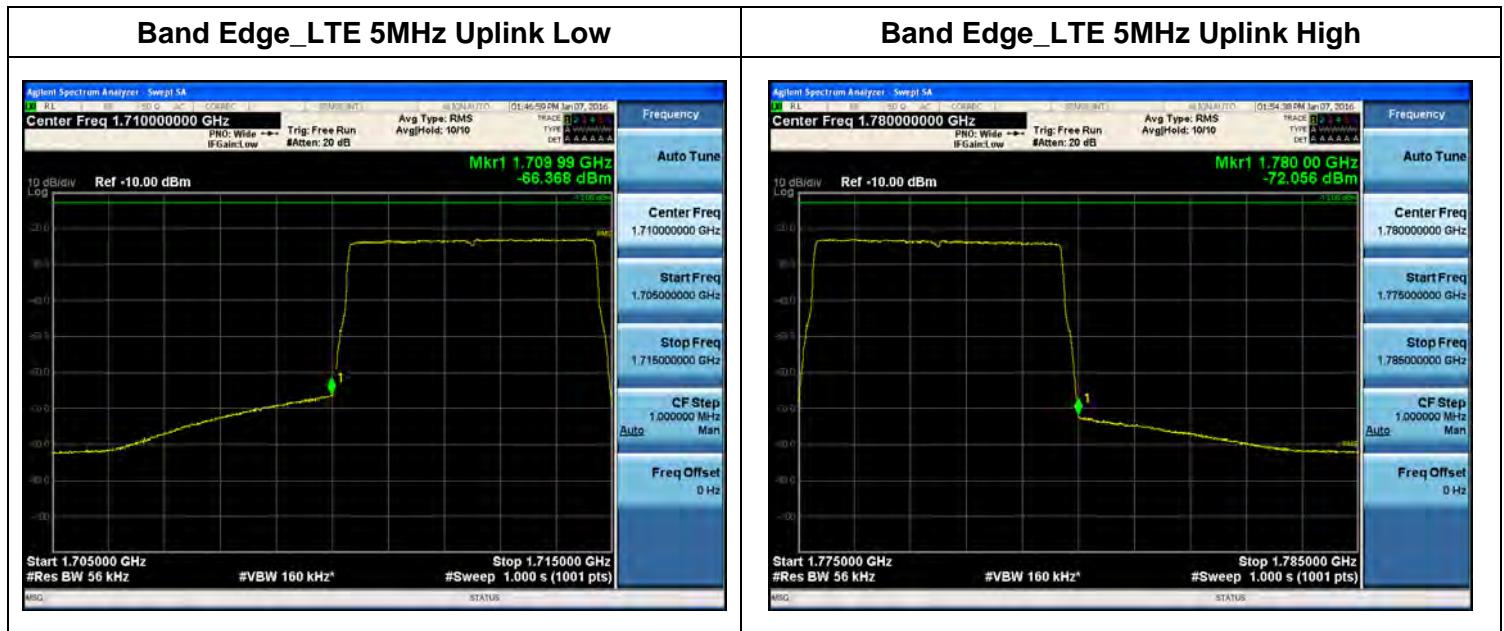
150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 26.5GHz



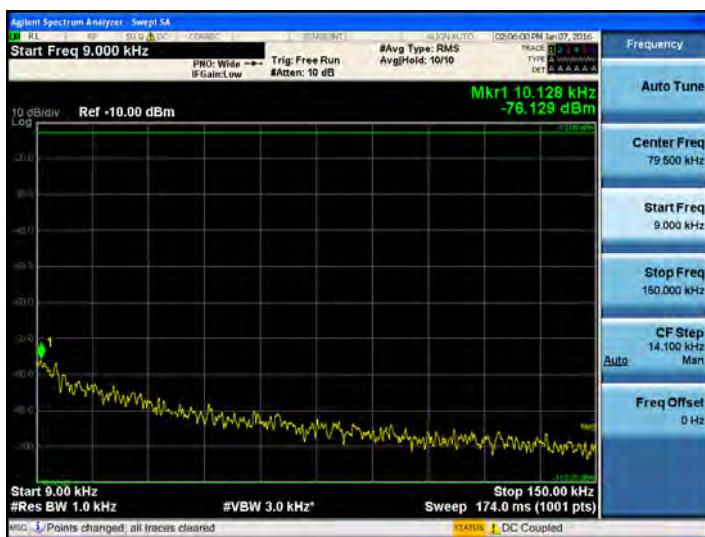


AWS2100 Band LTE 10MHz

[AWS2100 Band LTE 10MHz Uplink Low]

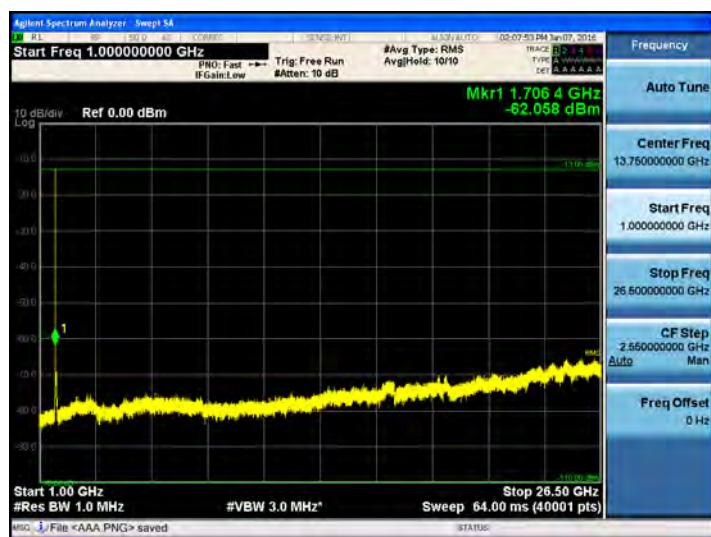
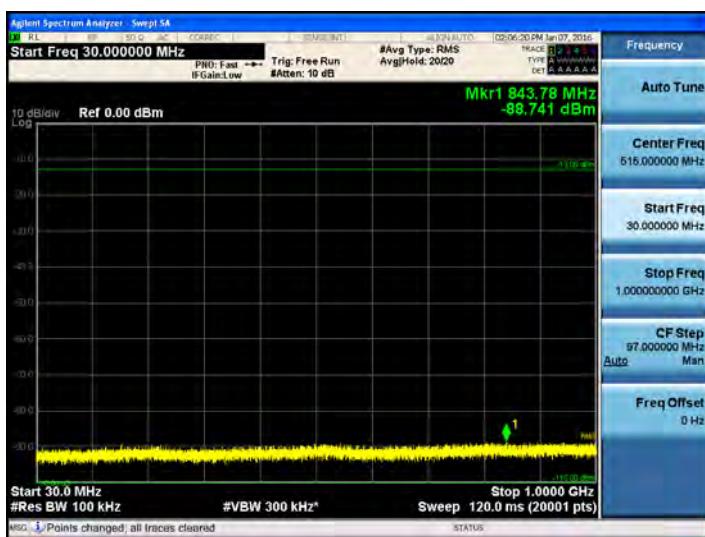
9kHz ~ 150kHz

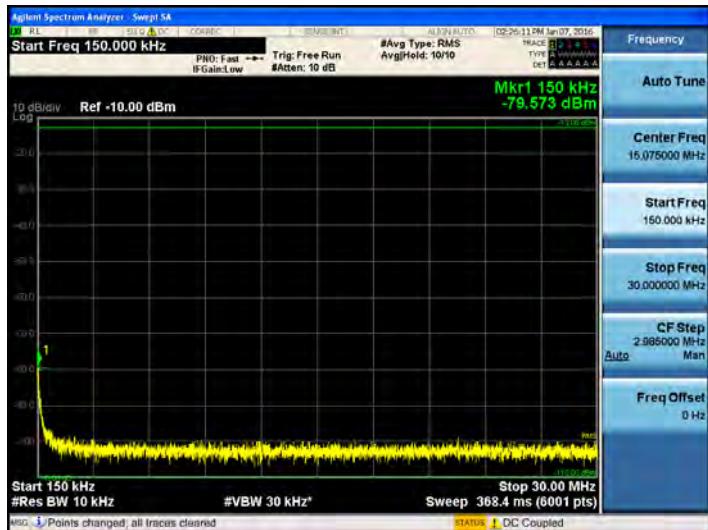
150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 26.5GHz



[AWS2100 Band _LTE 10MHz Uplink Mid]
9kHz ~ 150kHz**150kHz ~ 30MHz****30MHz ~ 1GHz****1GHz ~ 26.5GHz**

[AWS2100 Band LTE 10MHz Uplink High]

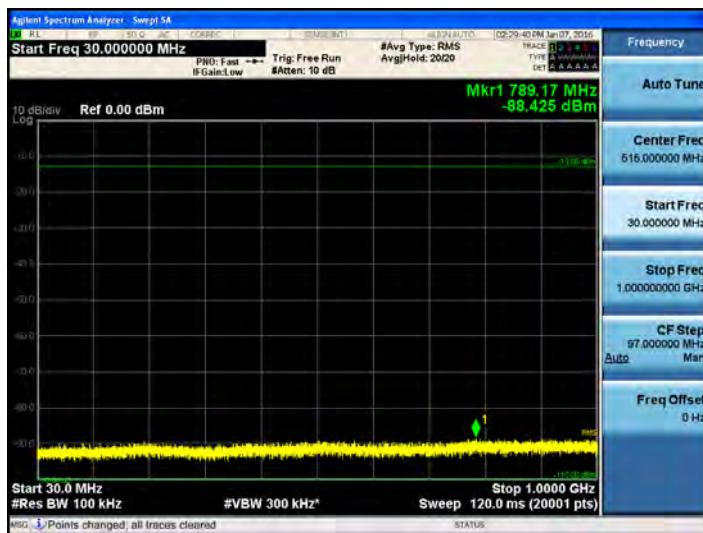
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz



Band Edge_LTE 10MHz Uplink Low



Band Edge_LTE 10MHz Uplink High

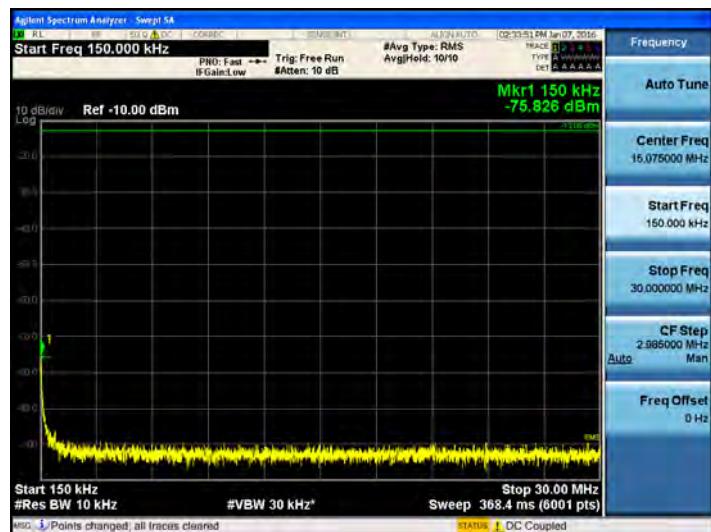


AWS2100 Band LTE 15MHz

[AWS2100 Band LTE 15MHz Uplink Low]

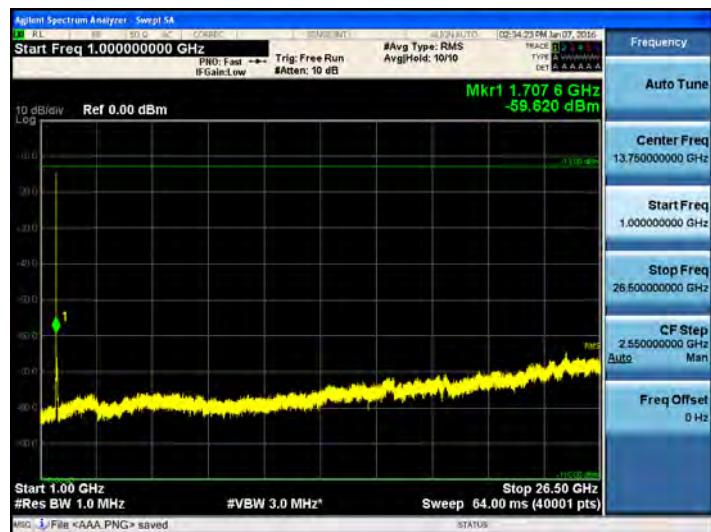
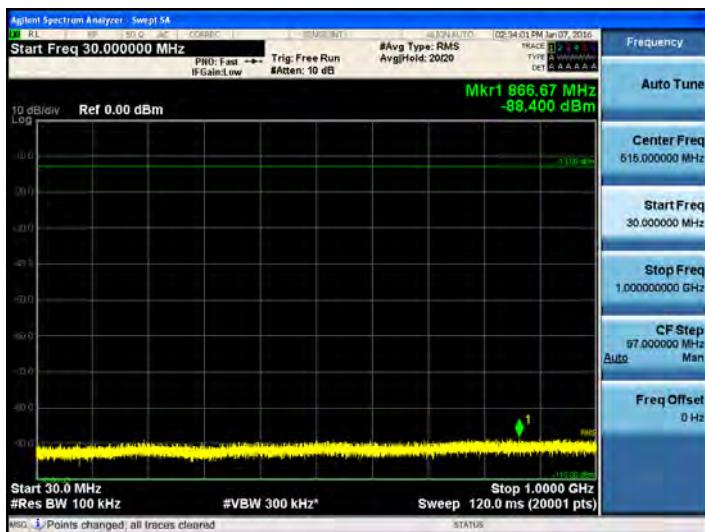
9kHz ~ 150kHz

150kHz ~ 30MHz



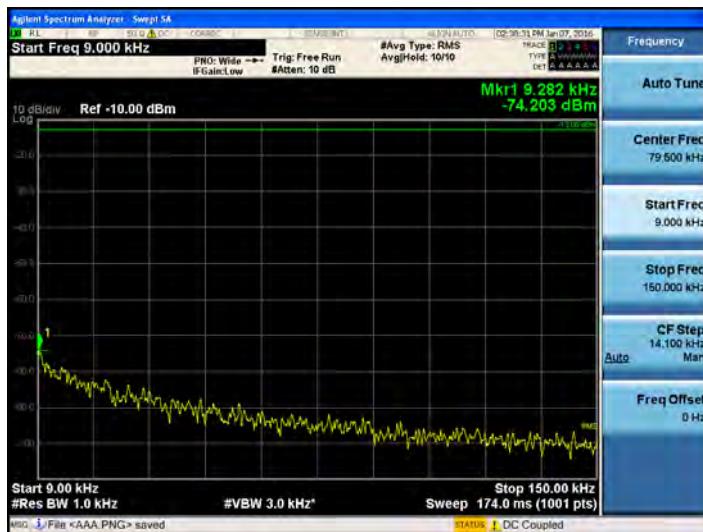
30MHz ~ 1GHz

1GHz ~ 26.5GHz



[AWS2100 Band _LTE 15MHz Uplink Mid]

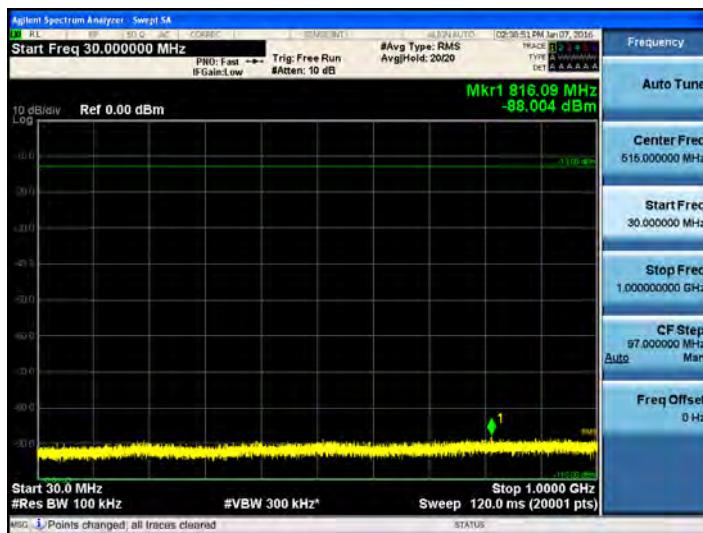
9kHz ~ 150kHz



150kHz ~ 30MHz



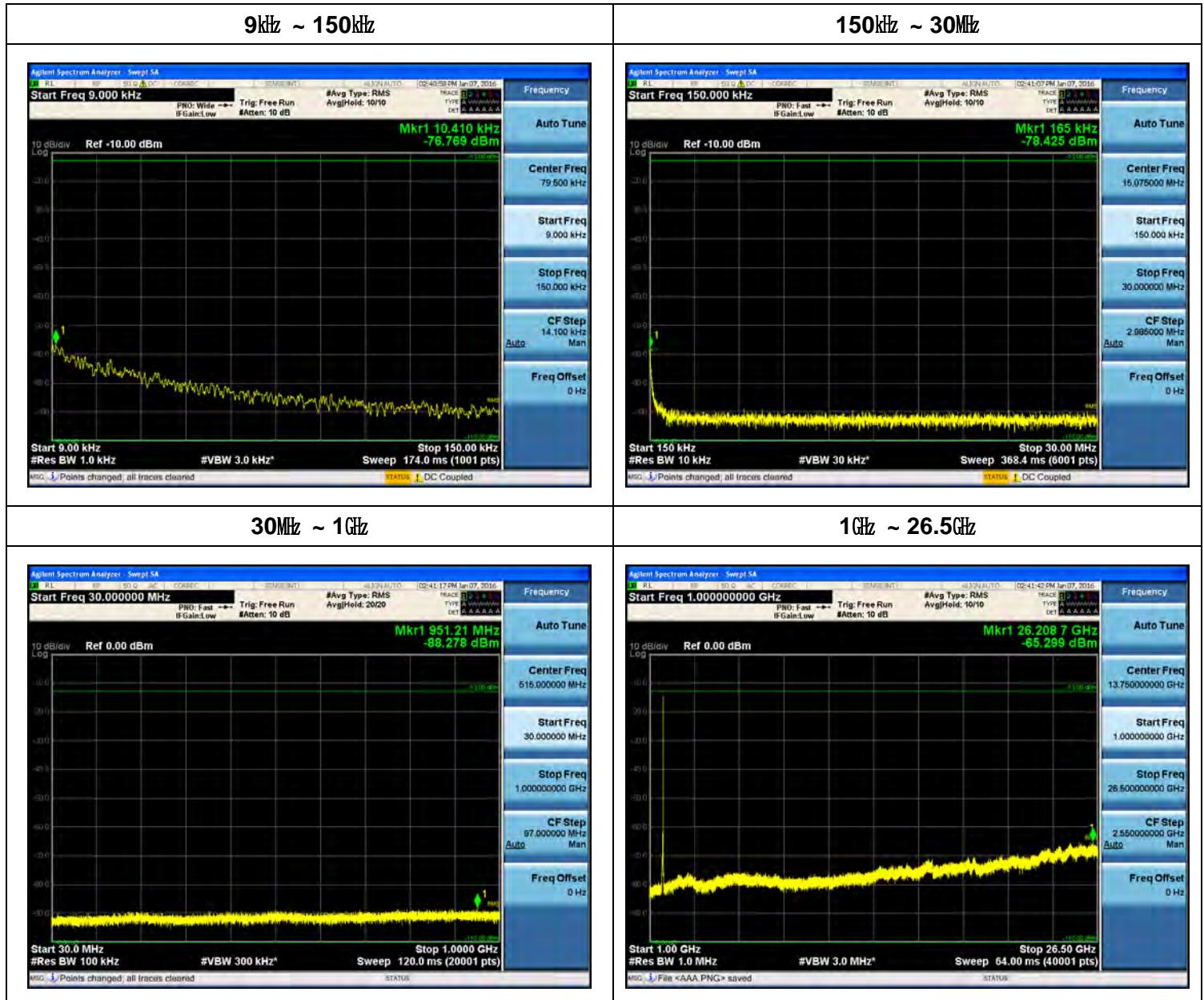
30MHz ~ 1GHz



1GHz ~ 26.5GHz



[AWS2100 Band LTE 15MHz Uplink High]



Band Edge LTE 15MHz Uplink Low



Band Edge LTE 15MHz Uplink High

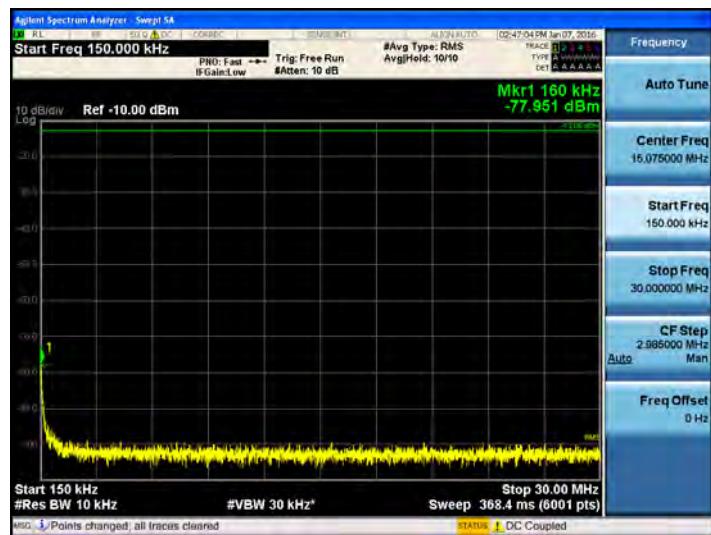
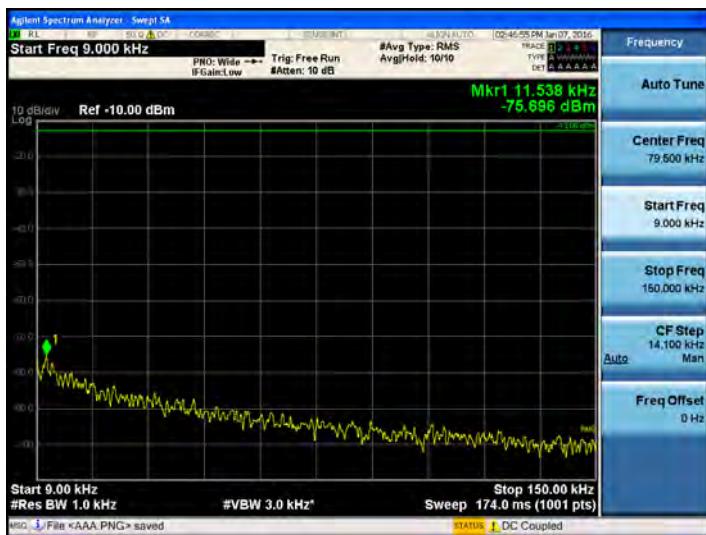


AWS2100 Band LTE 20MHz

[AWS2100 Band LTE 20MHz Uplink Low]

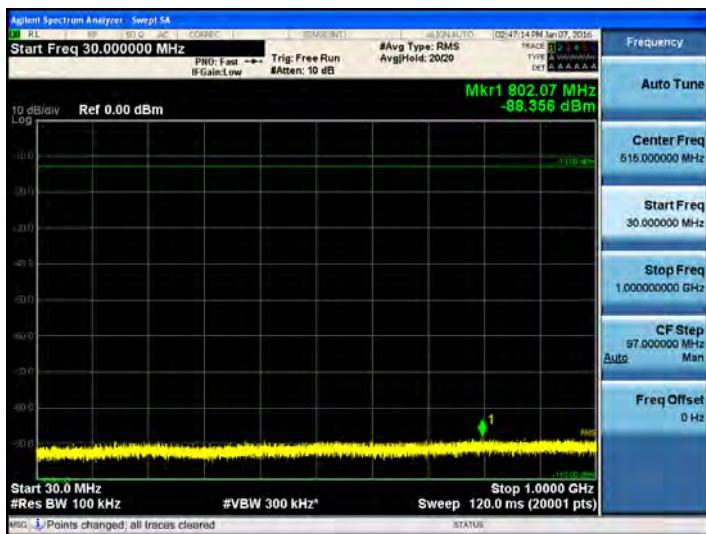
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

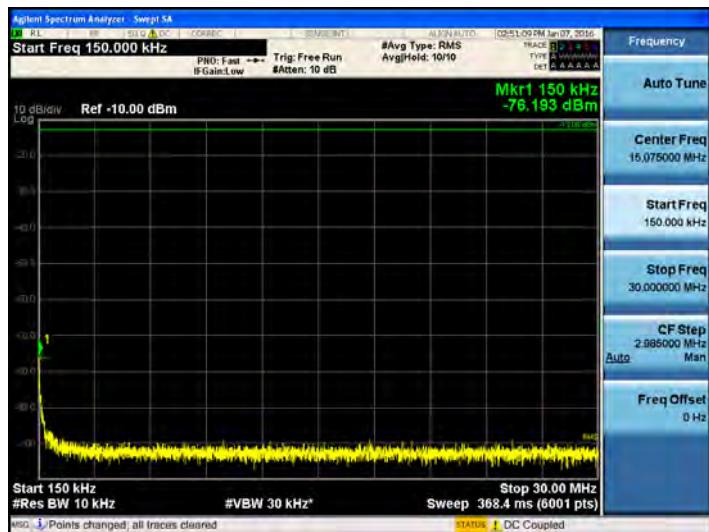
1GHz ~ 26.5GHz



[AWS2100 Band _LTE 20MHz Uplink Mid]

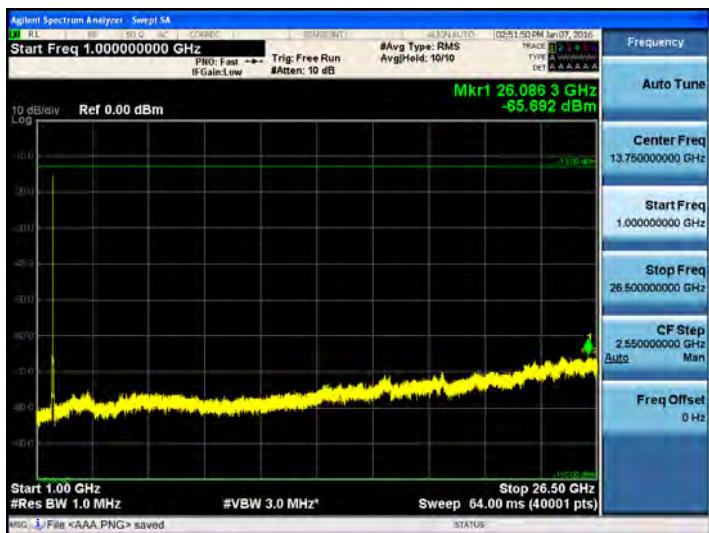
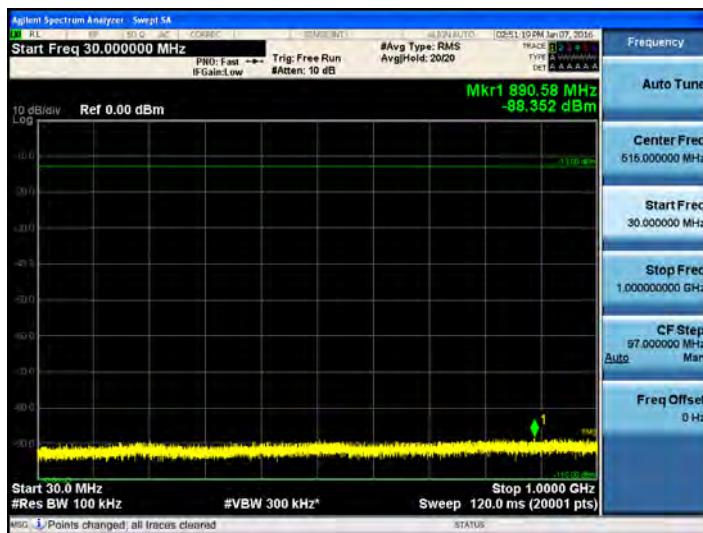
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

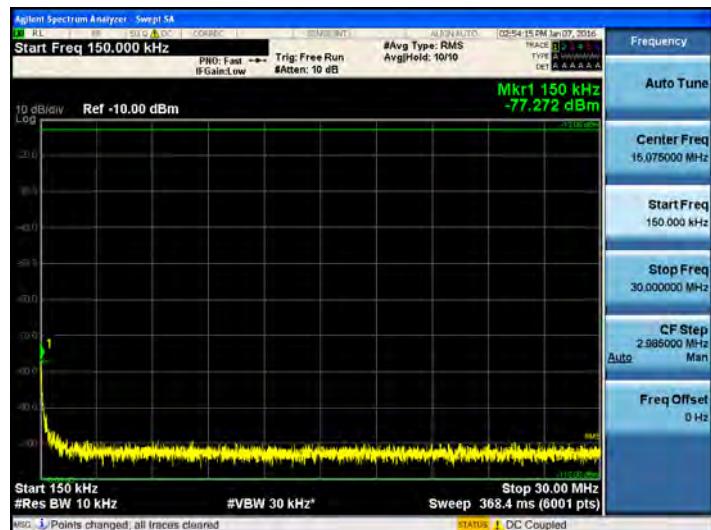
1GHz ~ 26.5GHz



[AWS2100 Band LTE 20MHz Uplink High]

9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 26.5GHz



Band Edge LTE 20MHz Uplink Low



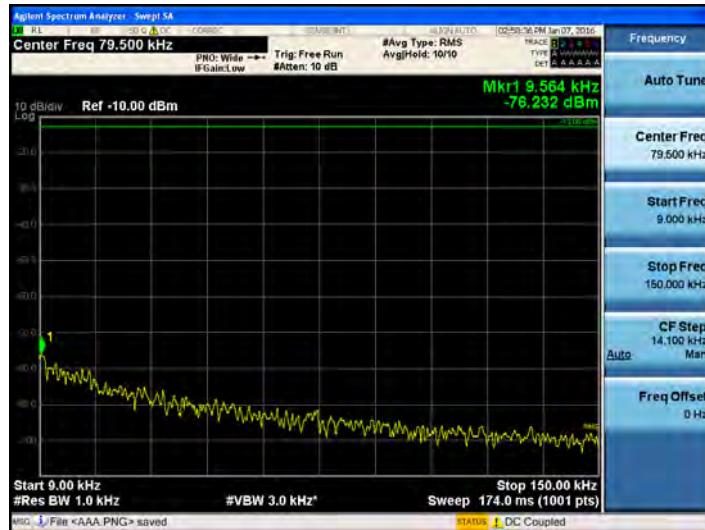
Band Edge LTE 20MHz Uplink High



AWS2100 Band UMTS

[AWS2100 Band UMTS Uplink Low]

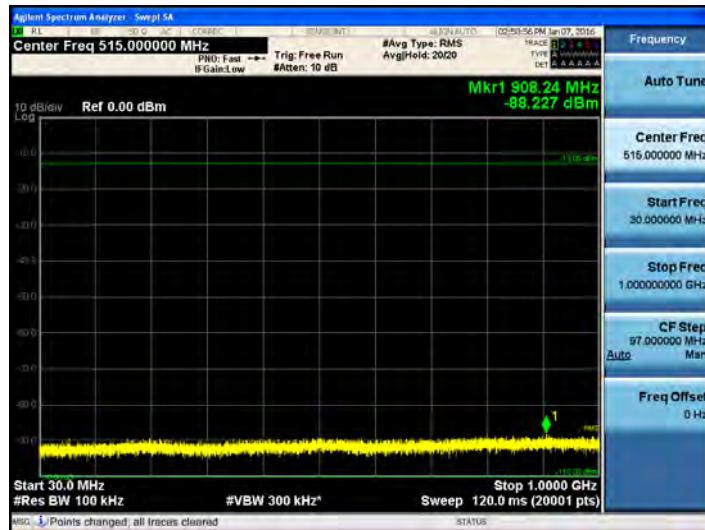
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz

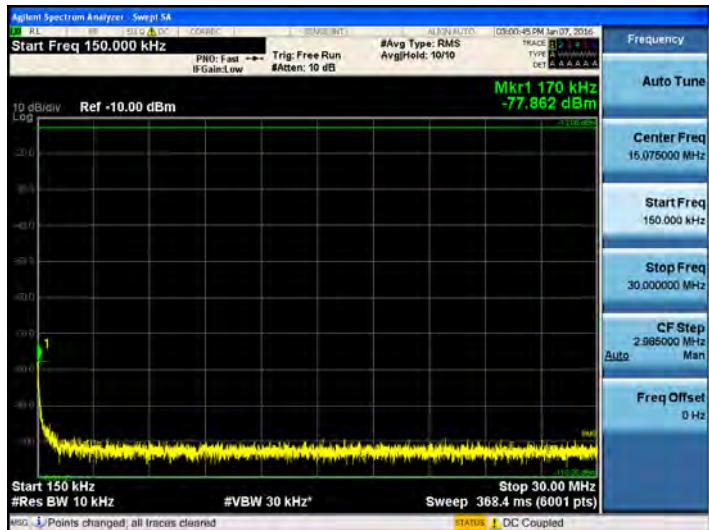


[AWS2100 Band _UMTS Uplink Mid]

9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz

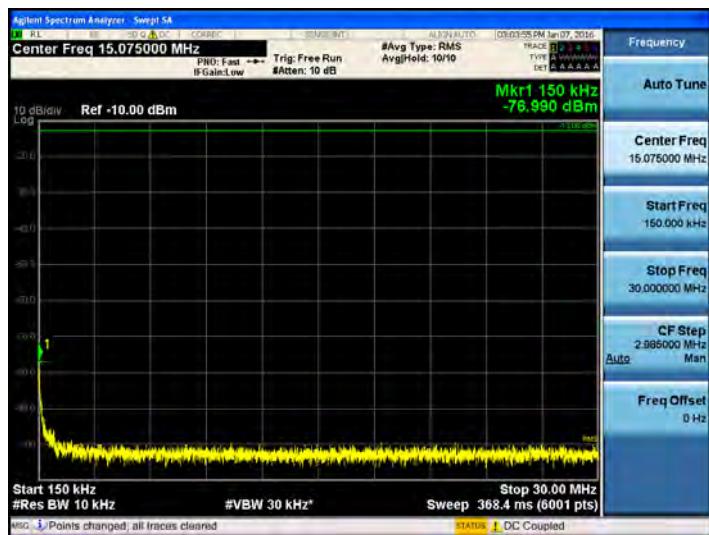


[AWS2100 Band UMTS Uplink High]

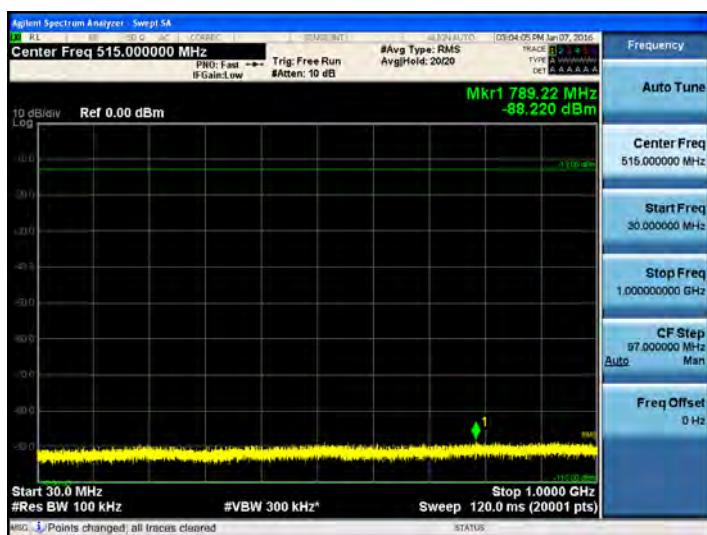
9kHz ~ 150kHz



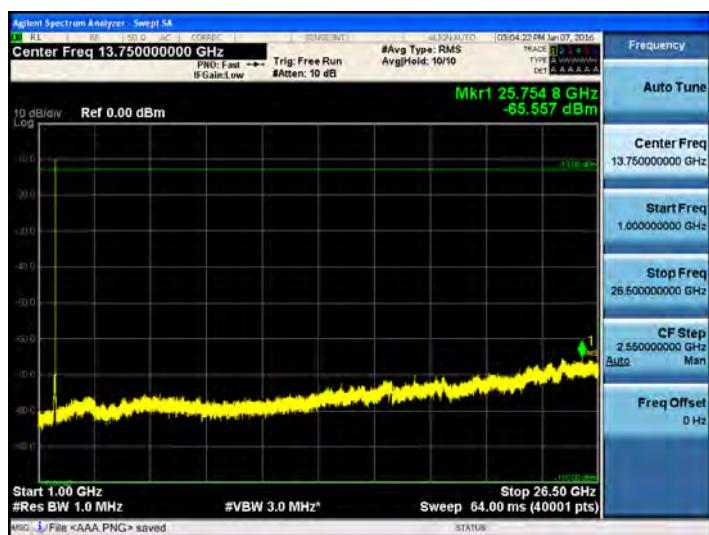
150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz

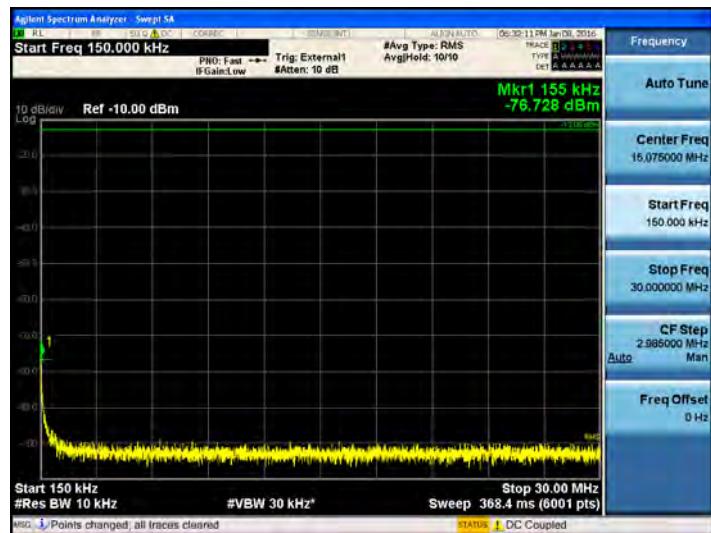
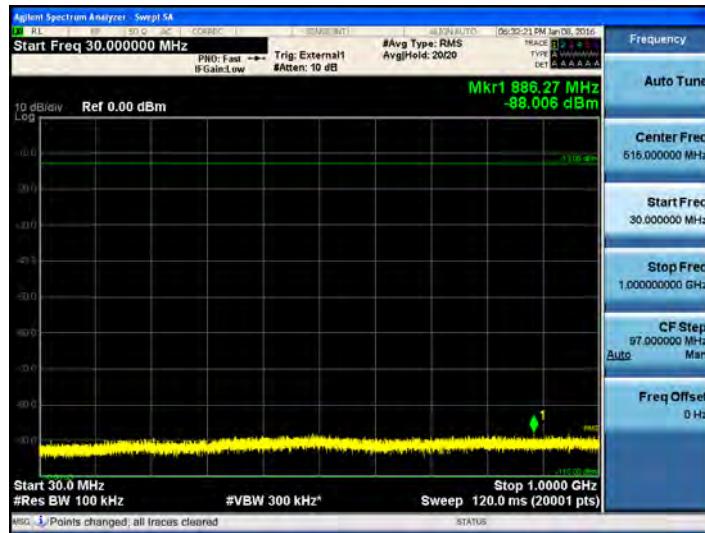


Band Edge_UMTS Uplink Low



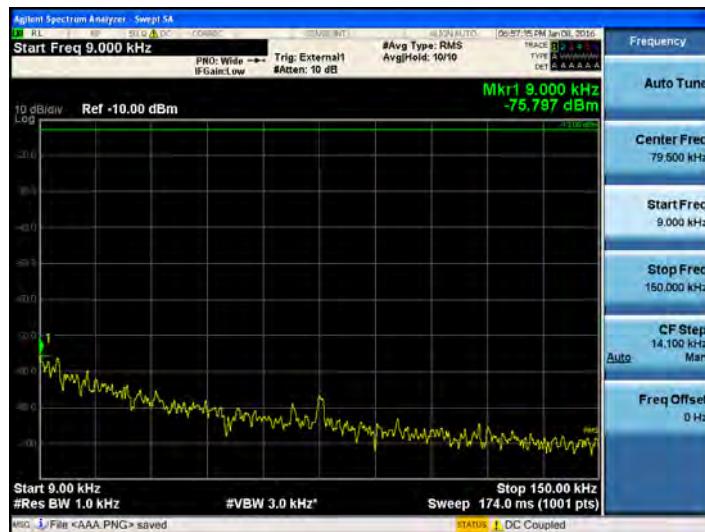
Band Edge_UMTS Uplink High



BRS Band LTE 20MHz**[BRS Band LTE20MHz Uplink Low]****9kHz ~ 150kHz****150kHz ~ 30MHz****30MHz ~ 1GHz****1GHz ~ 26.5GHz**

[BRS Band _LTE 20MHz Uplink Mid]

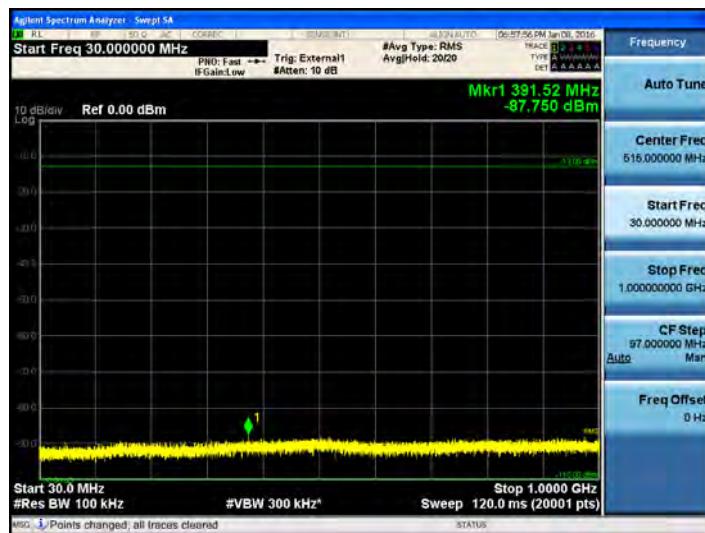
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz

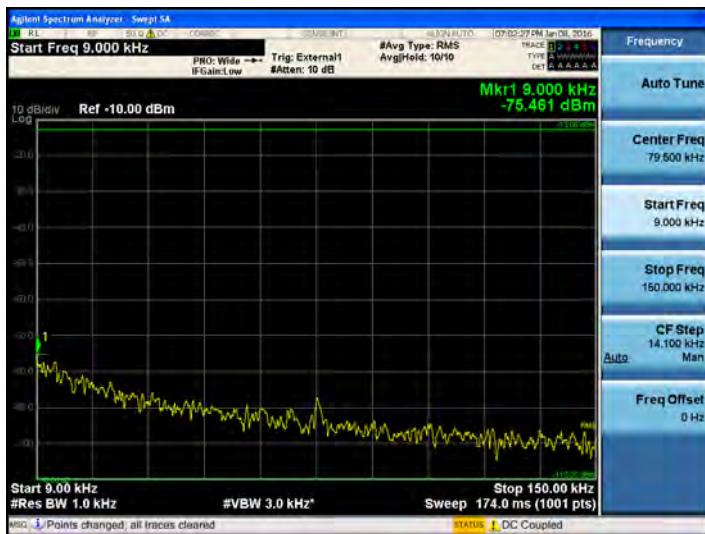


1GHz ~ 26.5GHz

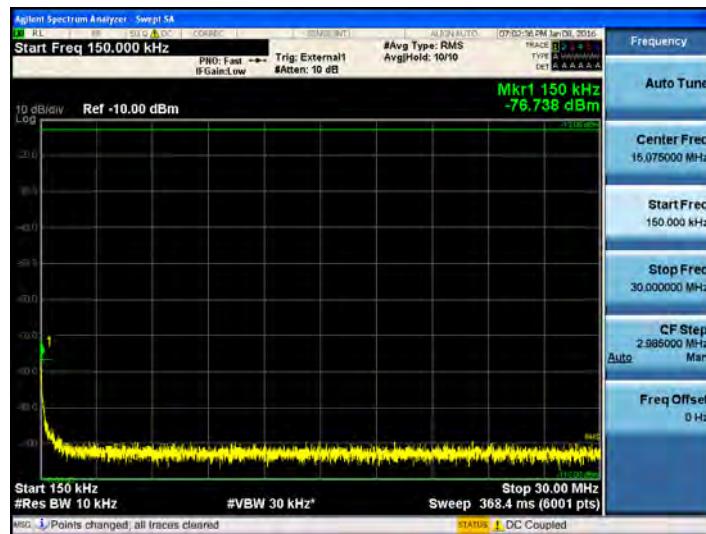


[BRS Band LTE 20MHz Uplink High]

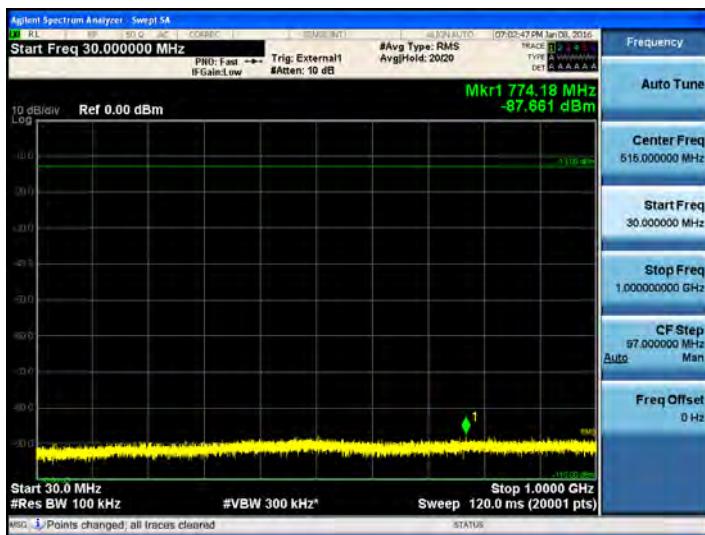
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz



Band Edge_LTE20MHz Uplink Low



Band Edge_LTE 20MHz Uplink High

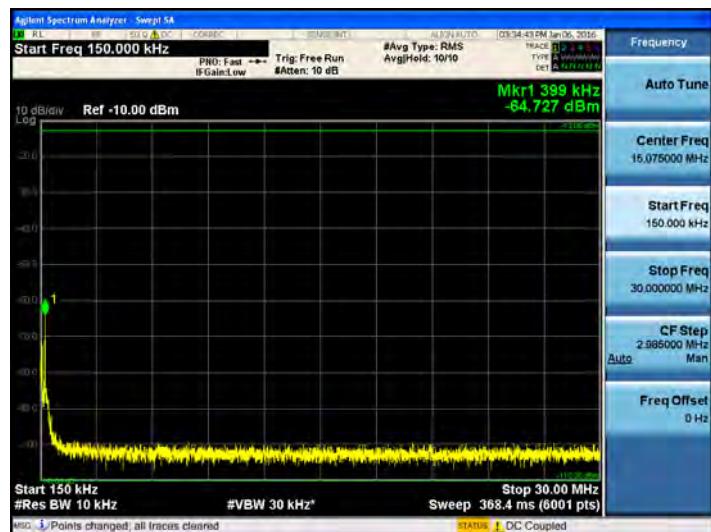


PCS 1900 Band LTE 5 MHz

[PCS 1900 Band LTE 5MHz Uplink Low]

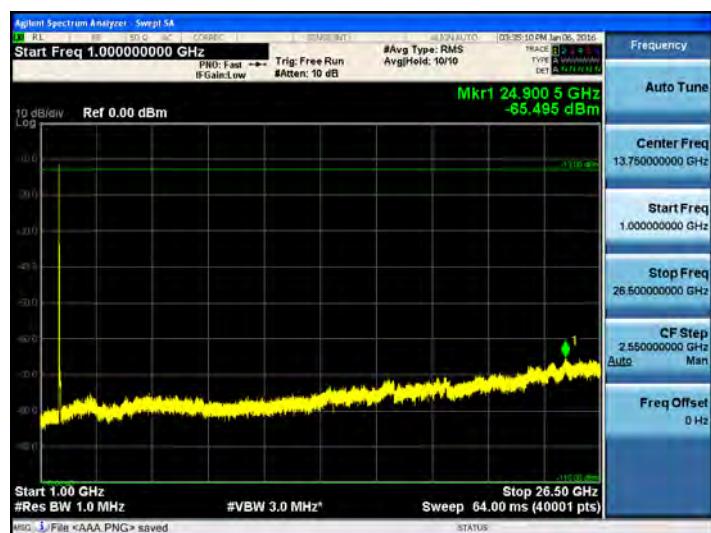
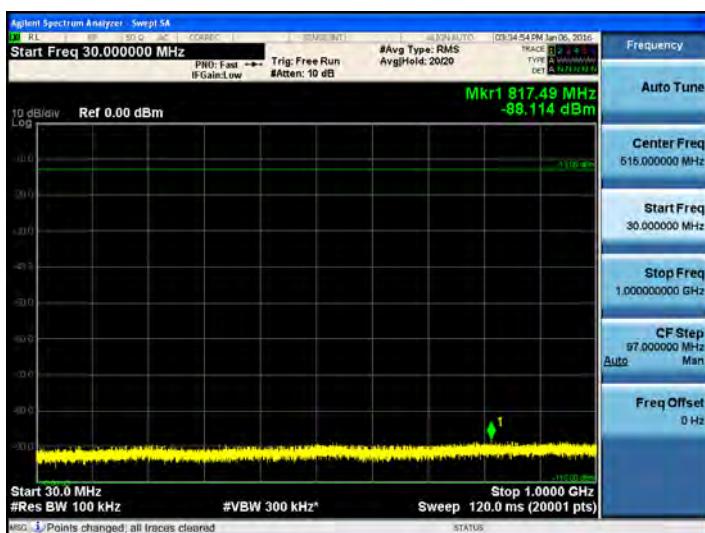
9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 26.5GHz

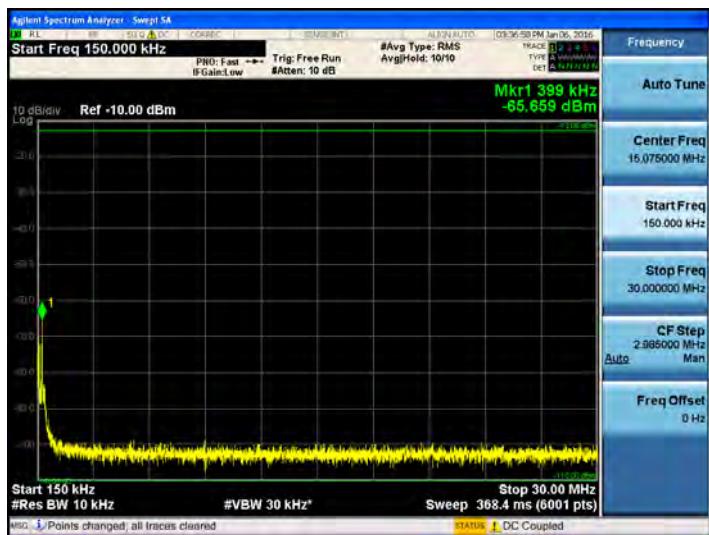


[PCS 1900 Band _LTE 5MHz Uplink Mid]

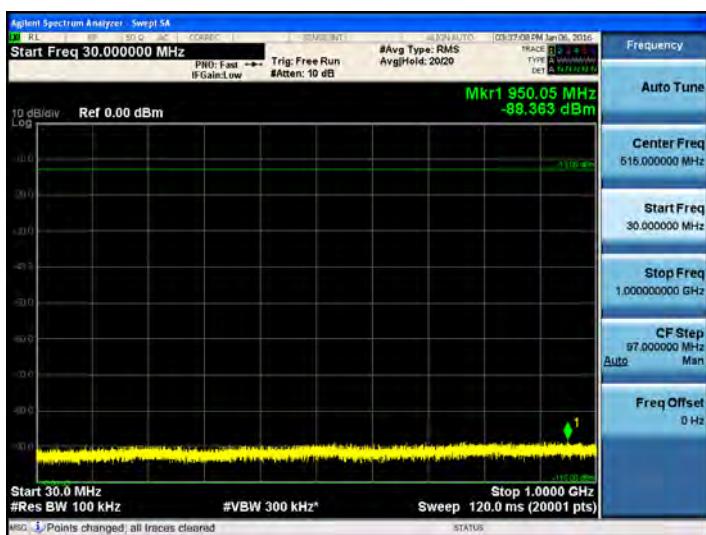
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz

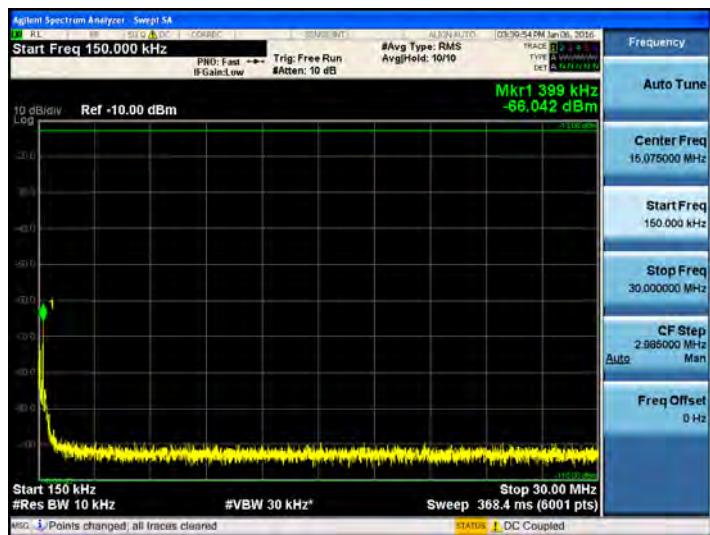


[PCS 1900 Band LTE 5MHz Uplink High]

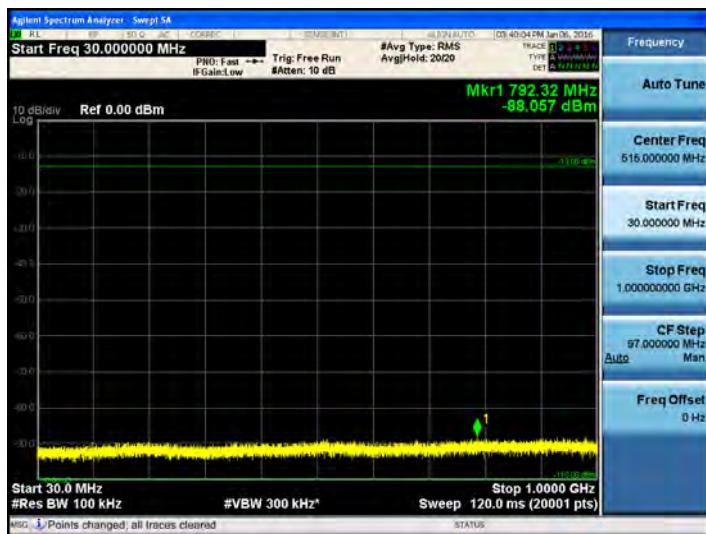
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz



Band Edge_LTE5MHz Uplink Low



Band Edge_LTE 5MHz Uplink High



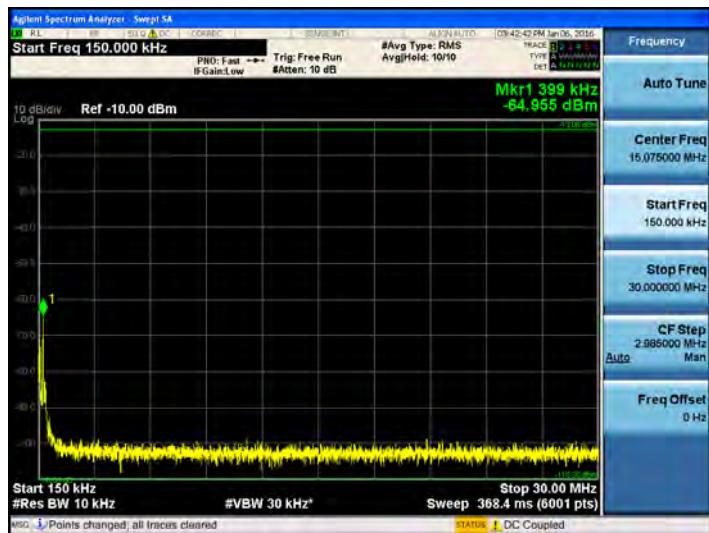
PCS 1900 Band LTE 10 MHz

[PCS1900 Band LTE 10MHz Uplink Low]

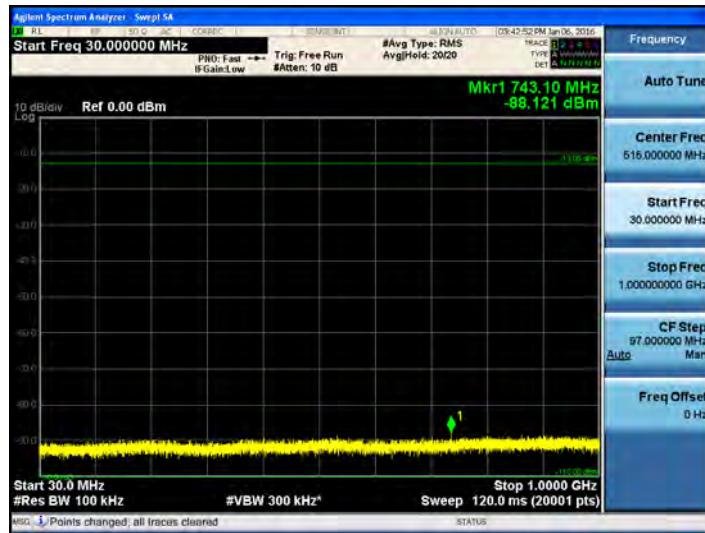
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz

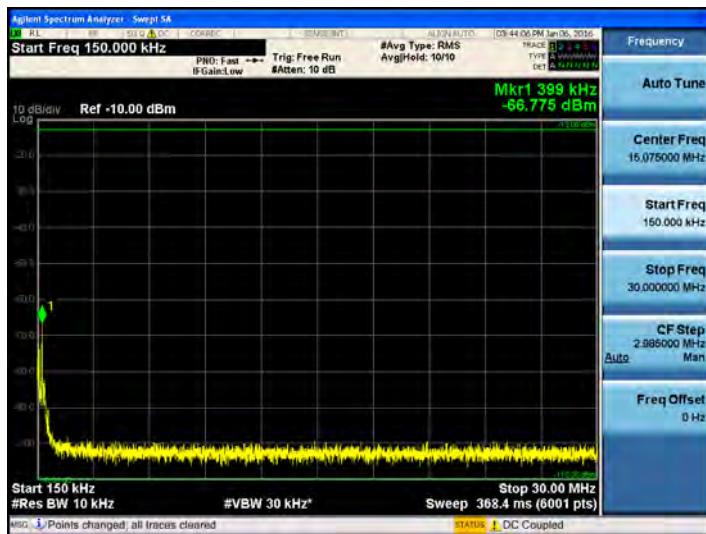


[PCS 1900 Band _LTE 10MHz Downlink Mid]

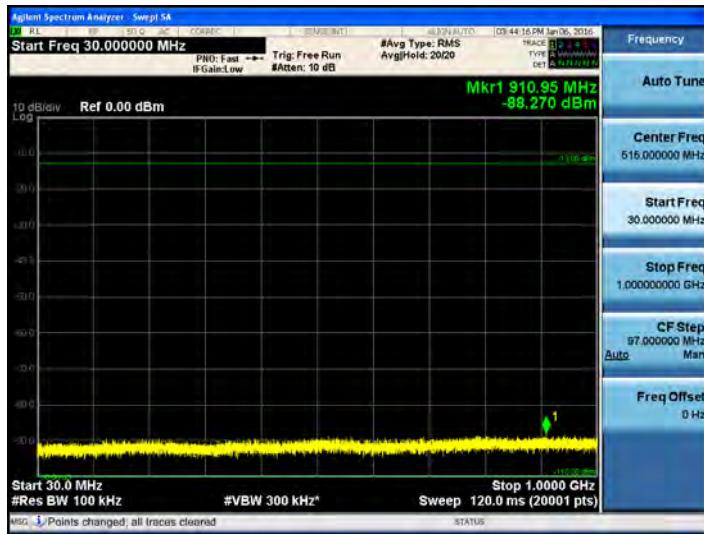
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz

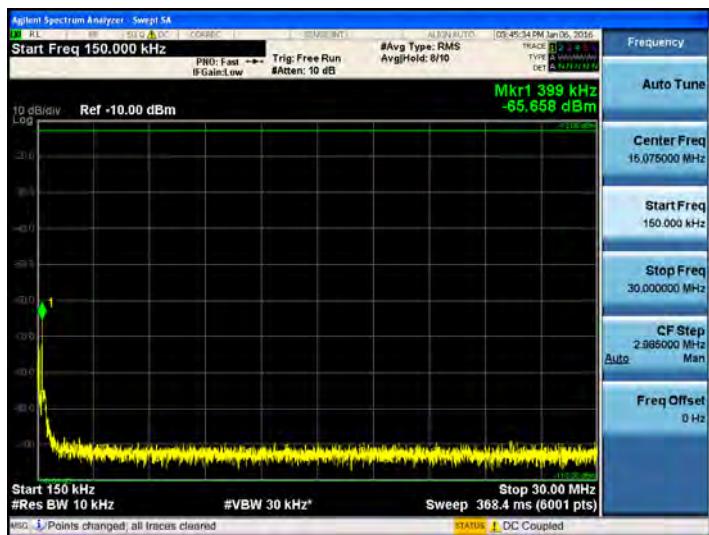


[PCS 1900 Band LTE 10MHz Uplink High]

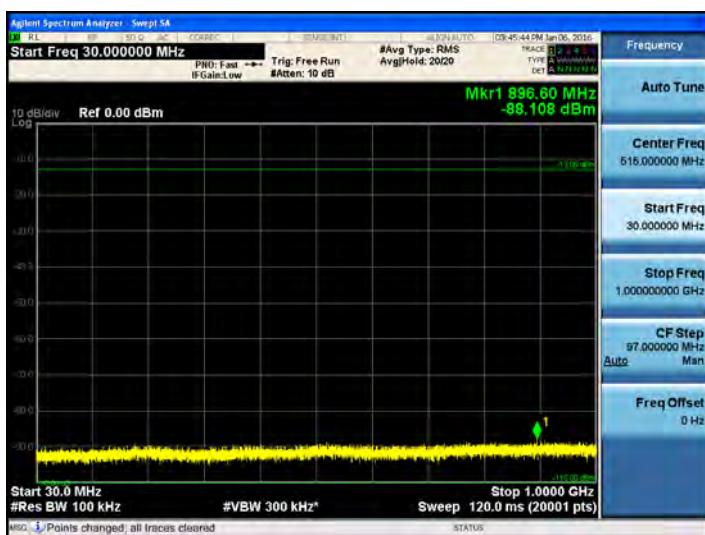
9kHz ~ 150kHz



150kHz ~ 30MHz



30MHz ~ 1GHz



1GHz ~ 26.5GHz



Band Edge_LTE10MHz Uplink Low



Band Edge_LTE 10MHz Uplink High

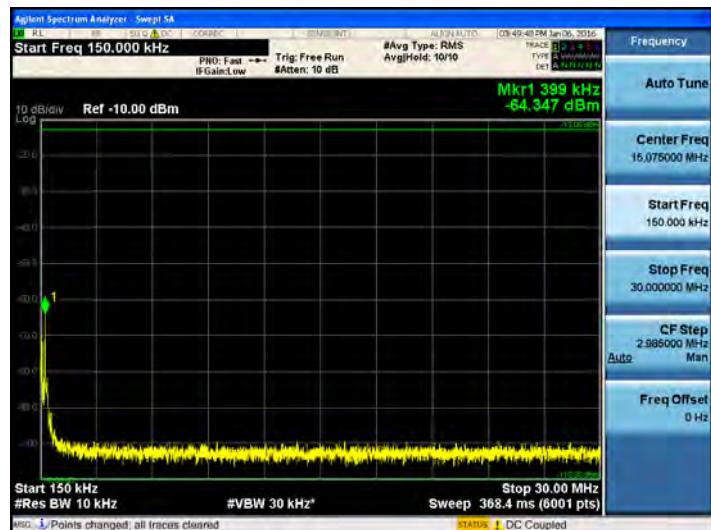


PCS 1900 Band UMTS

[PCS1900 Band UMTS Uplink Low]

9kHz ~ 150kHz

150kHz ~ 30MHz



30MHz ~ 1GHz

1GHz ~ 26.5GHz

