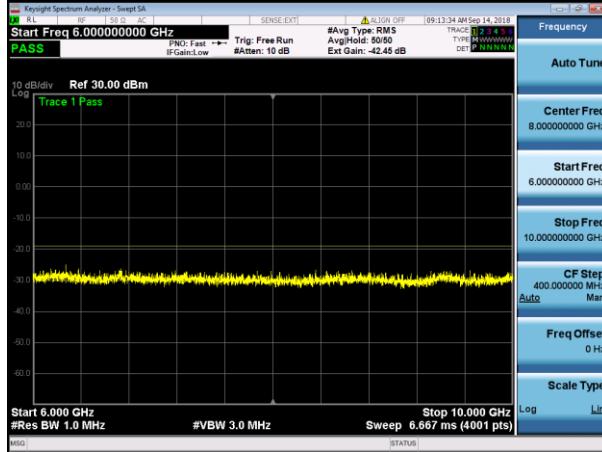
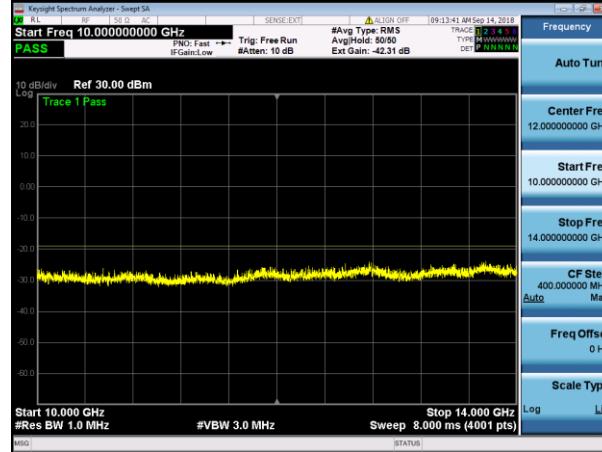


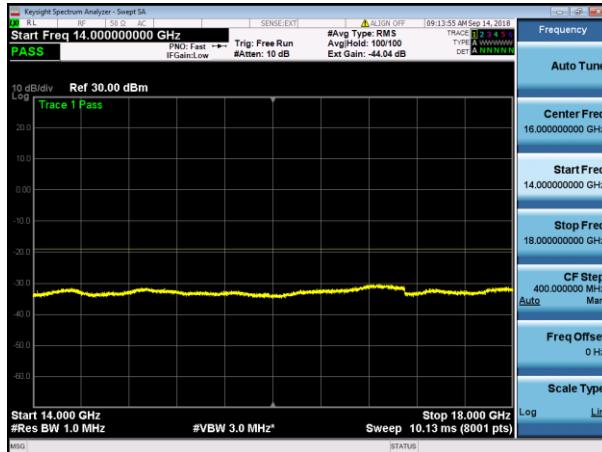
### LTE10 Top+NB IoT GB (Upper) 6000MHz-10000MHz



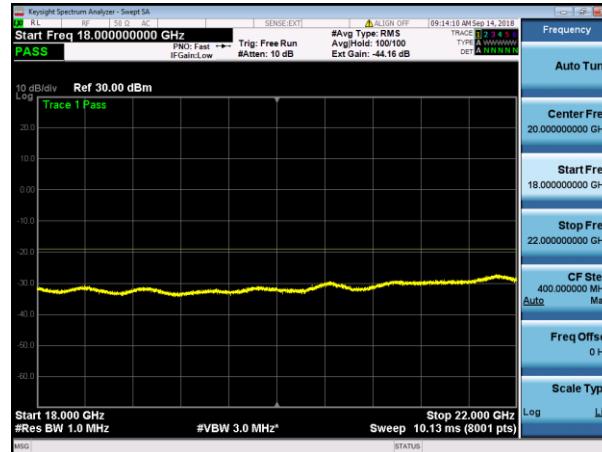
### LTE10 Top+NB IoT GB (Upper) 10000MHz-14000MHz



### LTE10 Top+NB IoT GB (Upper) 14000MHz-18000MHz

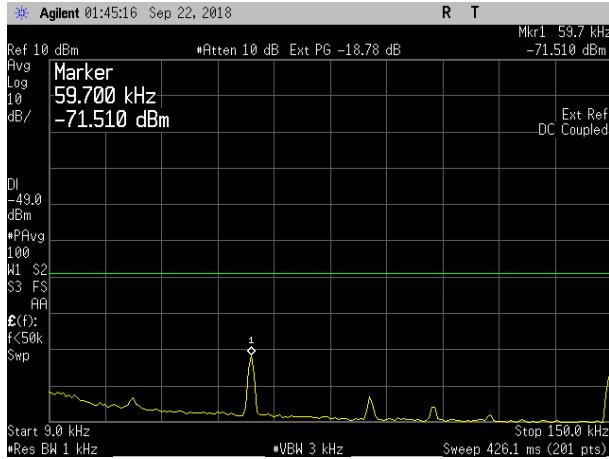


### LTE10 Top+NB IoT GB (Upper) 18000MHz-22000MHz

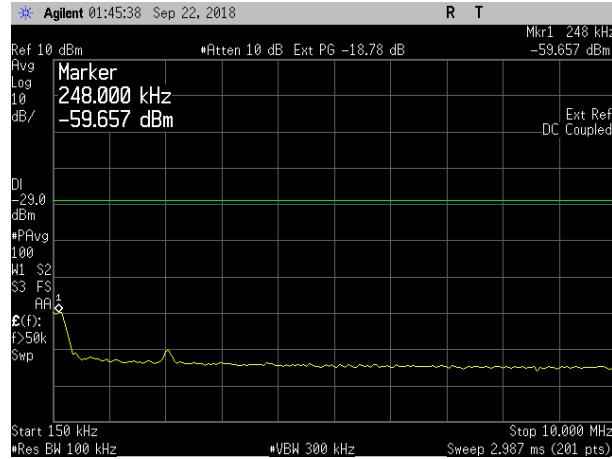


### 15MHz Bottom Channel (2117.5MHz) NB IoT at lower Guard Band

LTE15 Bottom+NB IoT GB (Upper) 0.009-0.15Mhz



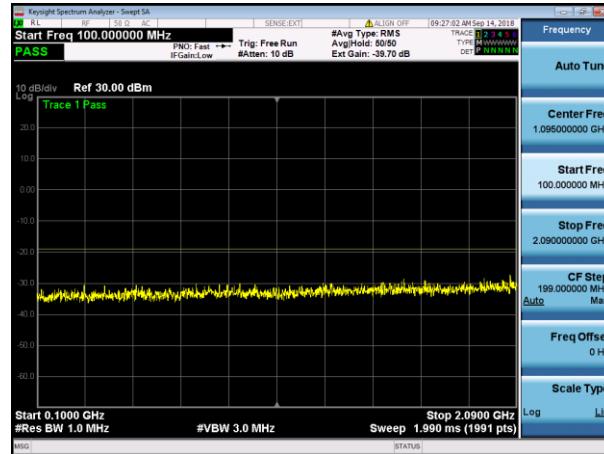
LTE15 Bottom+NB IoT GB (Upper) 0.15MHz – 10MHz



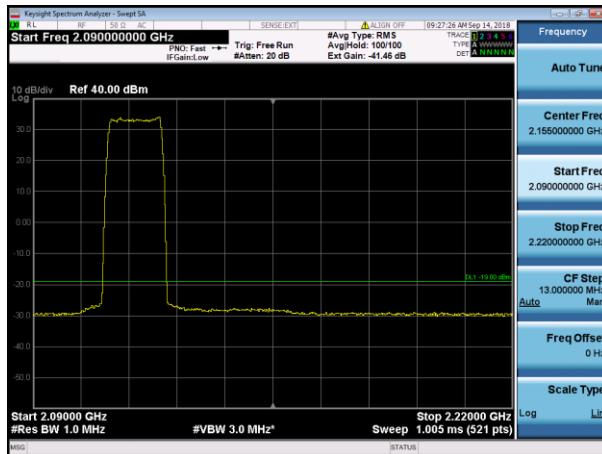
LTE15 Bottom+NB IoT GB (Upper) 10-100Mhz



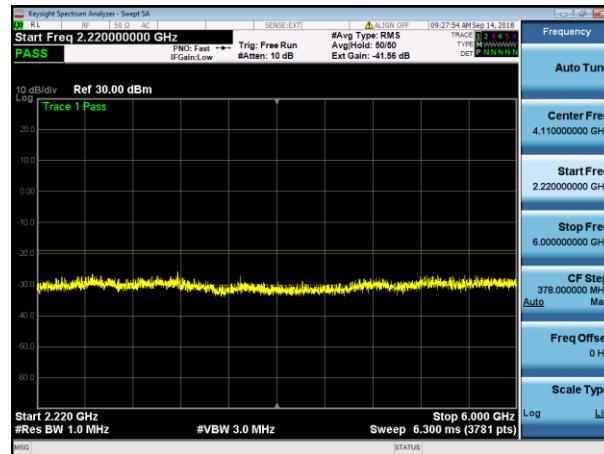
LTE15 Bottom+NB IoT GB (Upper) 100MHz – 2090MHz



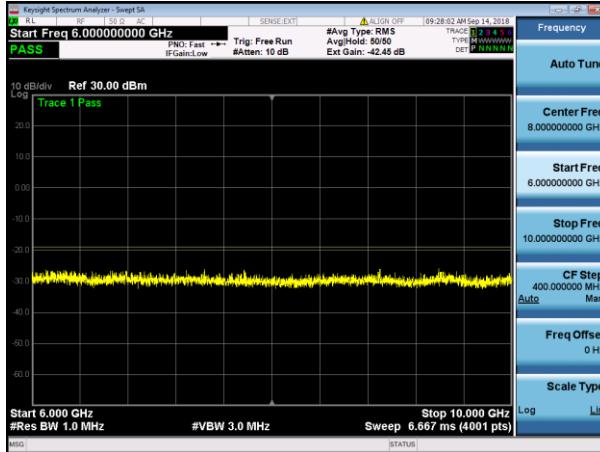
LTE15 BOTTOM+NB IoT GB (Upper) 2090MHz – 2220MHz



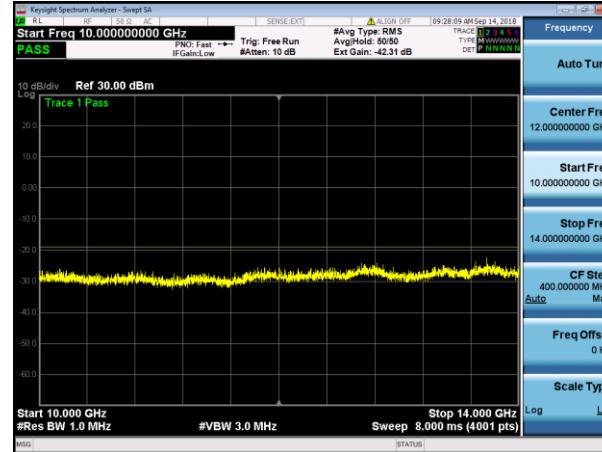
LTE15 BOTTOM+NB IoT GB (Upper) 2220MHz-6000Mhz



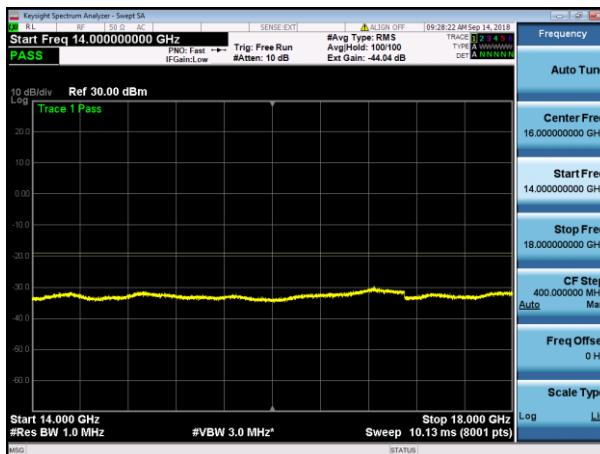
### LTE15 BOTTOM+NB IoT GB (Upper) 6000MHz-10000MHz



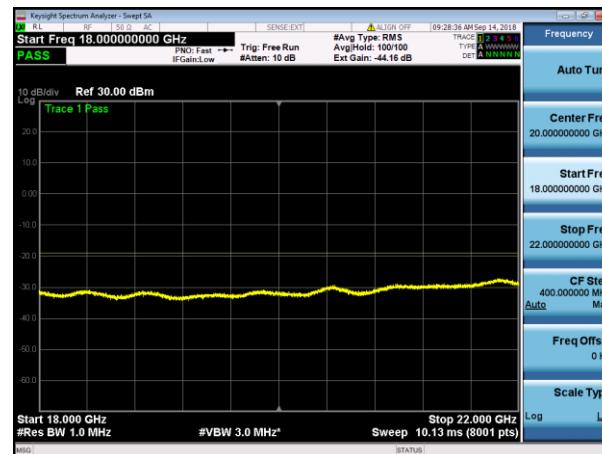
### LTE15 BOTTOM+NB IoT GB (Upper) 10000-14000MHz



### LTE15 BOTTOM+NB IoT GB (Upper) 14000MHz – 18000MHz

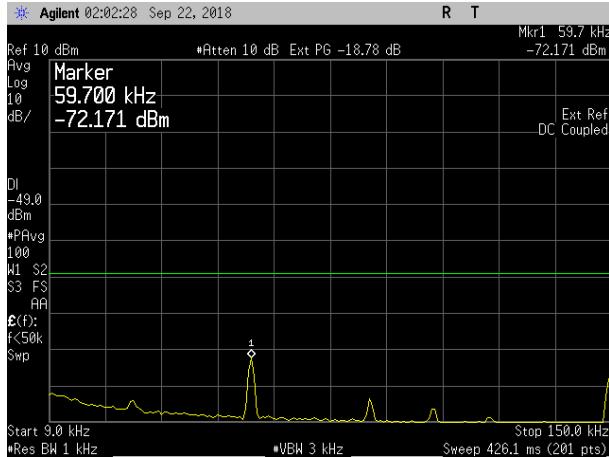


### LTE15 BOTTOM+NB IoT GB (Upper) 18000MHz – 22000MHz

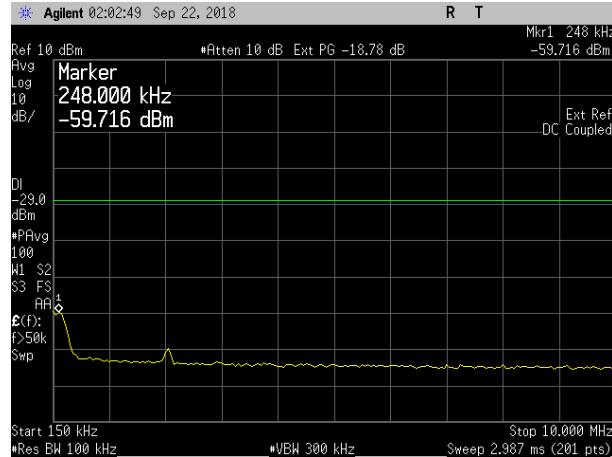


### 15MHz Middle Channel (2132.5MHz) NB IoT at lower Guard Band

LTE15 Mid+NB IoT GB (Upper) 0.009-0.15Mhz



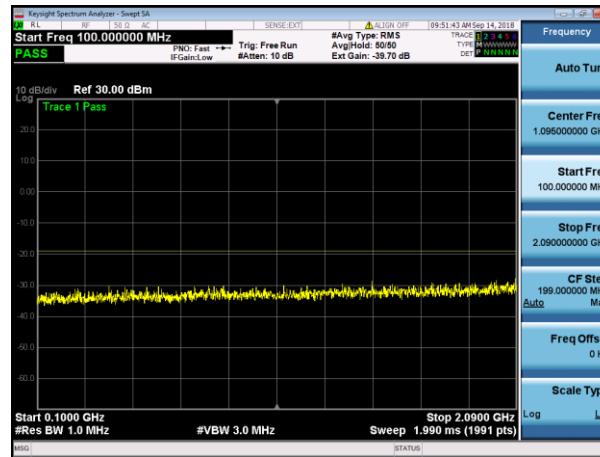
LTE10 Mid+NB IoT GB (Upper) 0.15MHz – 10MHz



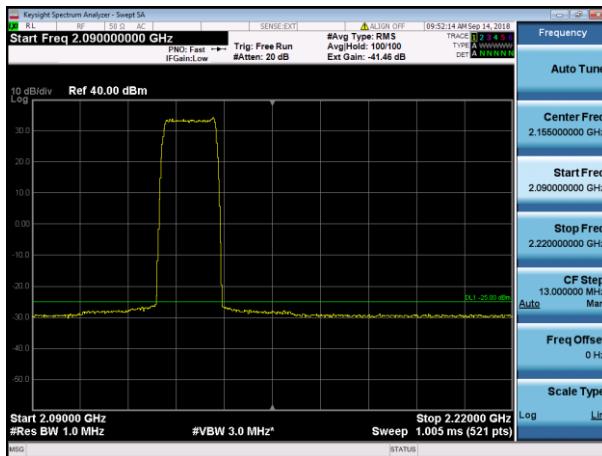
LTE15 Mid+NB IoT GB (Upper) 10MHz-100MHz



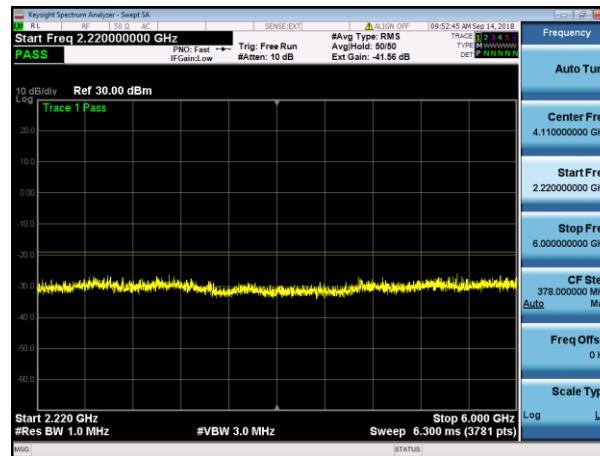
LTE15 Mid+NB IoT GB (Upper) 100MHz-2090MHz

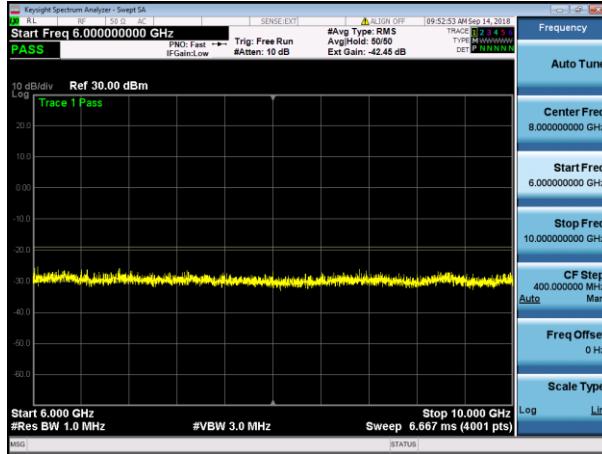
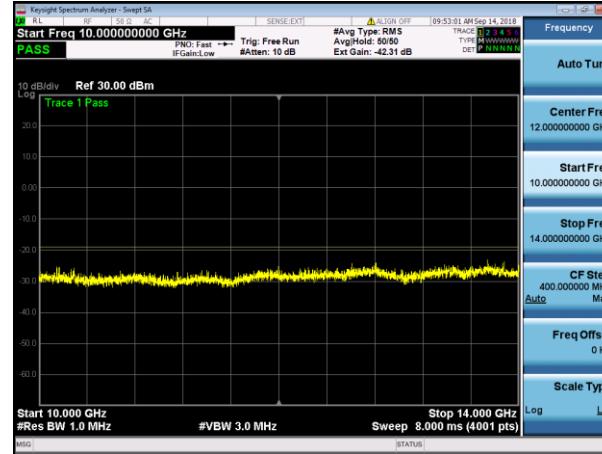
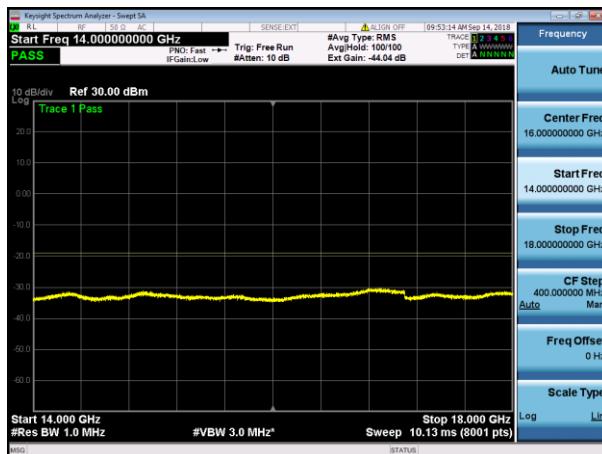
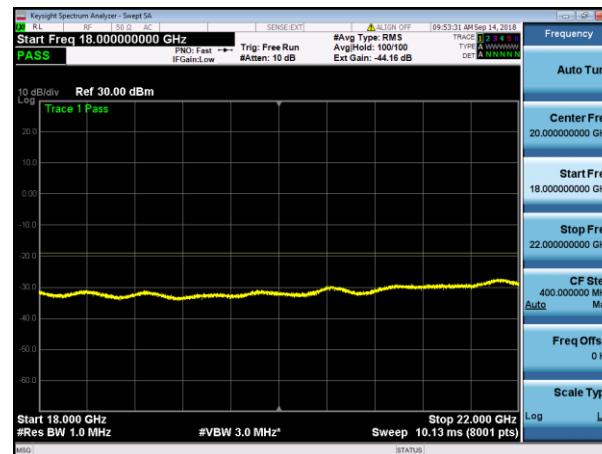


LTE15 Mid+NB IoT GB (Upper) 2090MHz-2220MHz



LTE15 Mid+NB IoT GB (Upper) 2220MHz-6000MHz



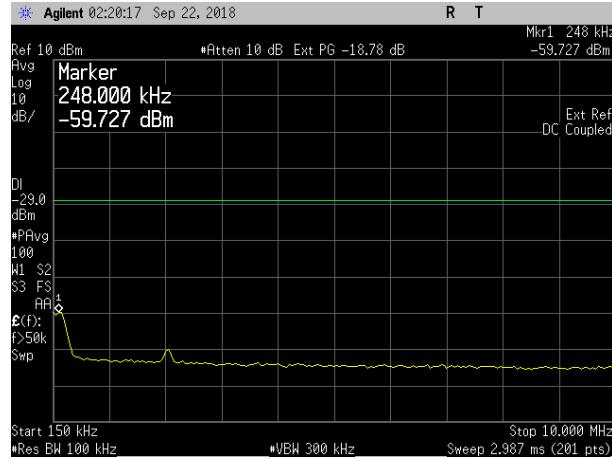
**LTE15 Mid+NB IoT GB (Upper) 6000MHz-10000MHz**

**LTE15 Mid+NB IoT GB (Upper) 10000MHz-14000MHz**

**LTE15 Mid+NB IoT GB (Upper) 14000MHz-18000MHz**

**LTE15 Mid+NB IoT GB (Upper) 18000MHz-22000MHz**


### 15MHz Top Channel (2147.5Hz) NB IoT at lower Guard Band

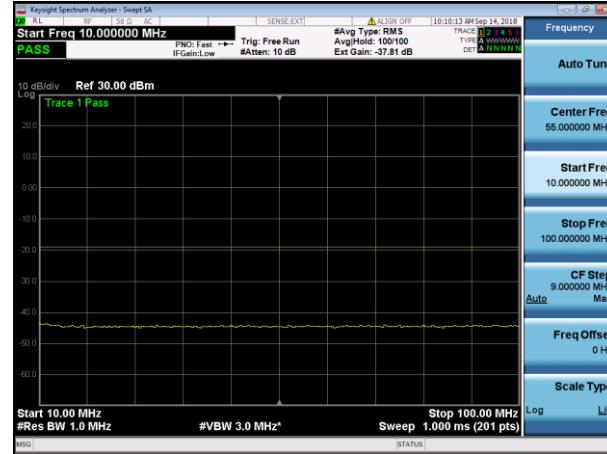
LTE15 Bottom+NB IoT GB (Upper) 0.009-0.15Mhz



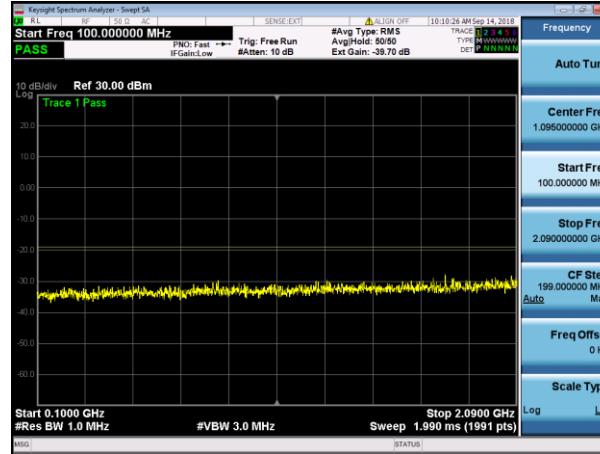
LTE15 Bottom+NB IoT GB (Upper) 0.15MHz – 10MHz



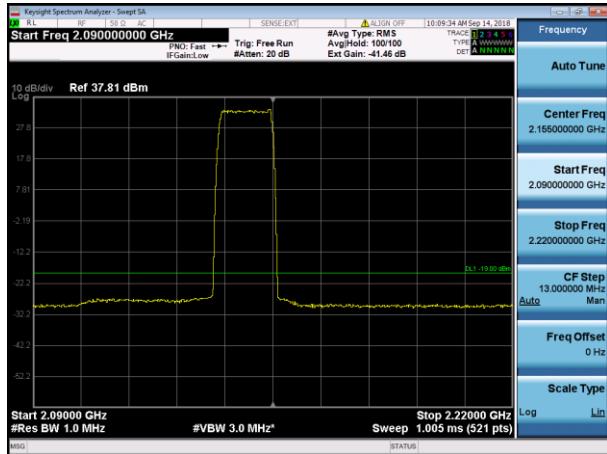
LTE15 Top+NB IoT GB (Upper) 10MHz-100MHz



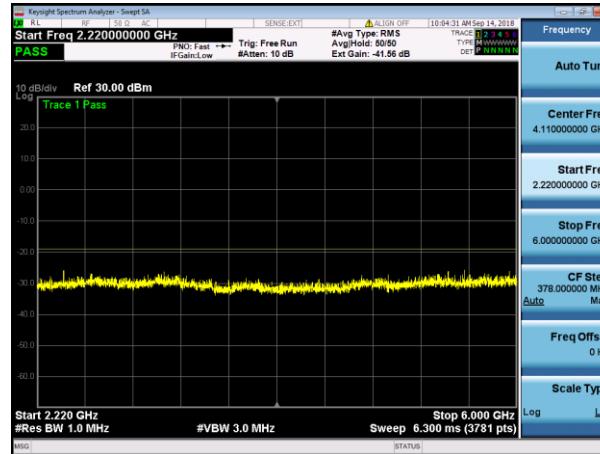
LTE15 Top+NB IoT GB (Upper) 100MHz-2090MHz

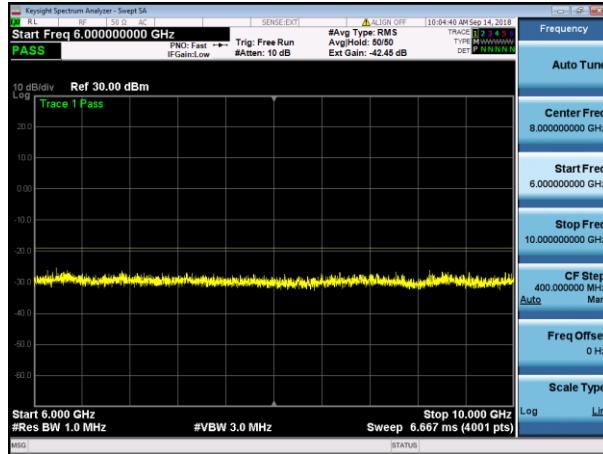
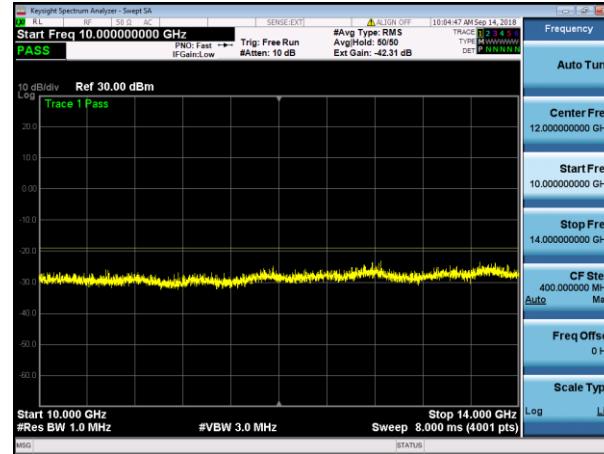
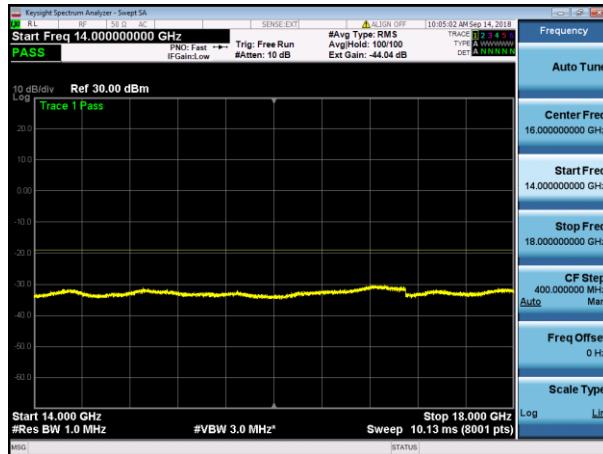
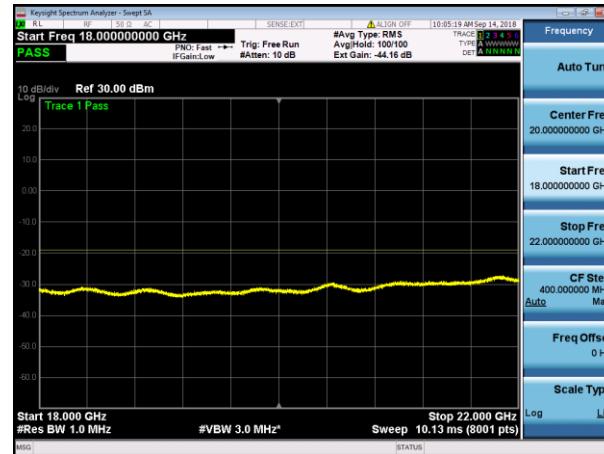


LTE15 Top+NB IoT GB (Upper) 2090MHz-2220MHz



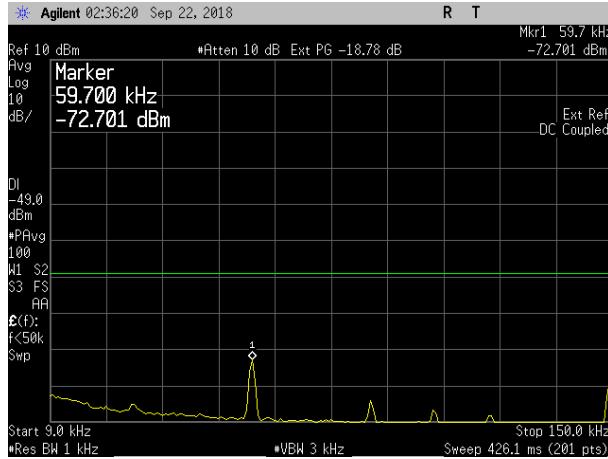
LTE15 Top+NB IoT GB (Upper) 2220MHz-6000MHz



**LTE15 Top+NB IoT GB (Upper) 6000MHz-10000MHz**

**LTE15 Top+NB IoT GB (Upper) 10000MHz-14000MHz**

**LTE15 Top+NB IoT GB (Upper) 14000MHz-18000MHz**

**LTE15 Top+NB IoT GB (Upper) 18000MHz-22000MHz**


## 20MHz Bottom Channel (2120MHz) NB IoT at lower Guard Band

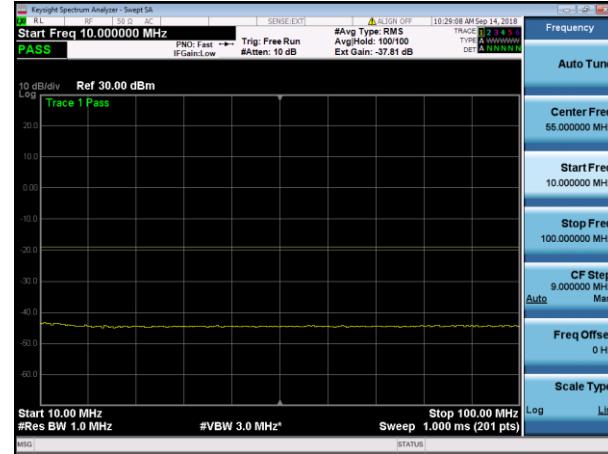
LTE20 Bottom+NB IoT GB (Upper) 0.009-0.15Mhz



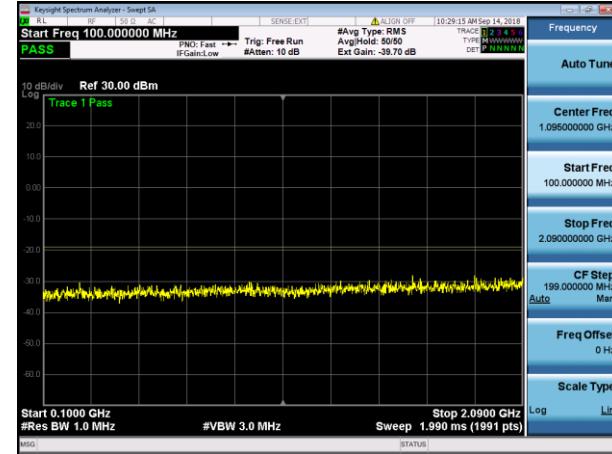
LTE20 Bottom+NB IoT GB (Upper) 0.15MHz – 10MHz



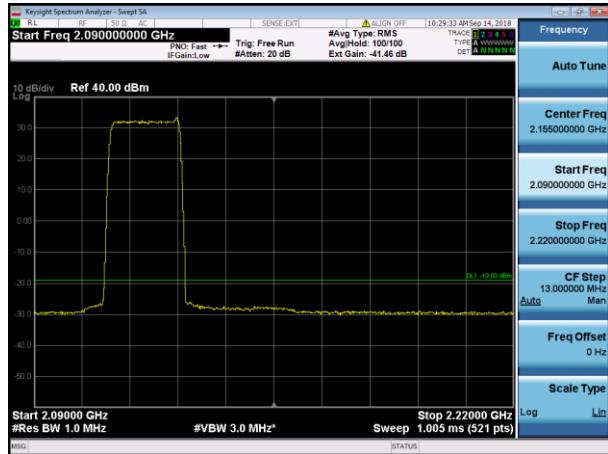
LTE20 Bottom+NB IoT GB (Upper) 10-100Mhz



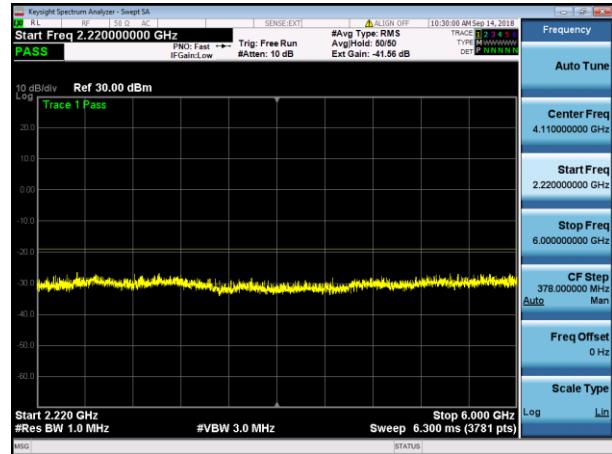
LTE20 Bottom+NB IoT GB (Upper) 100MHz – 2090MHz



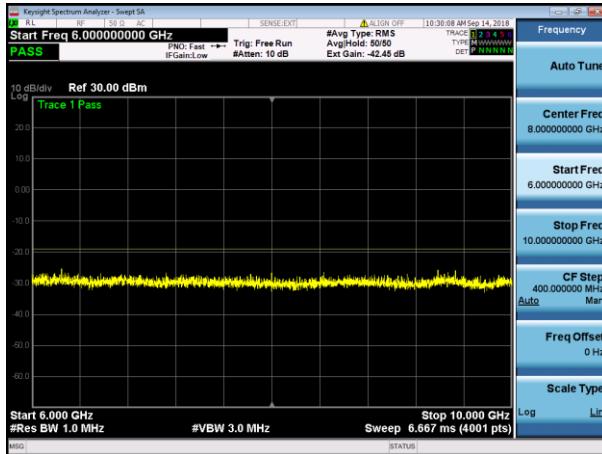
LTE20 BOTTOM+NB IoT GB (Upper) 2090MHz – 2220MHz



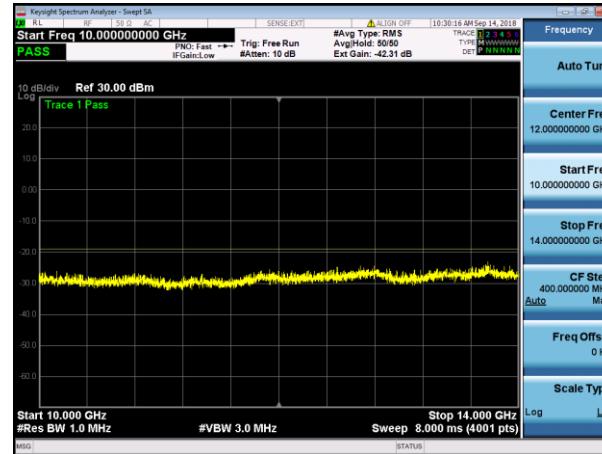
LTE20 BOTTOM+NB IoT GB (Upper) 2220MHz-6000Mhz



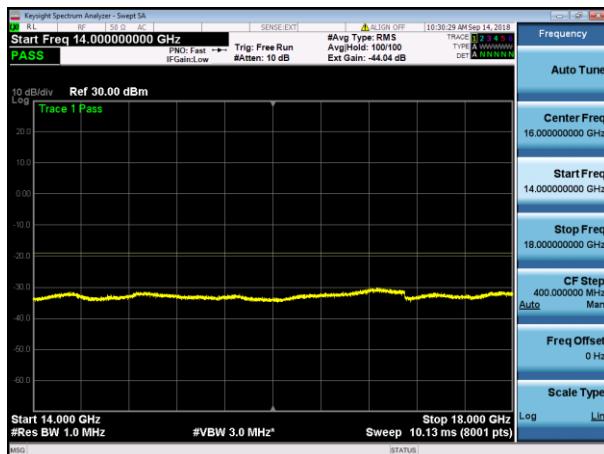
## LTE20 BOTTOM+NB IoT GB (Upper) 6000MHz-10000MHz



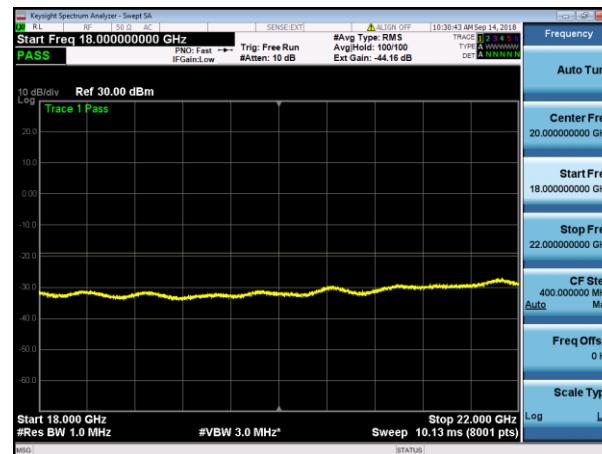
## LTE20 BOTTOM+NB IoT GB (Upper) 10000-14000MHz



## LTE20 BOTTOM+NB IoT GB (Upper) 14000MHz – 18000MHz

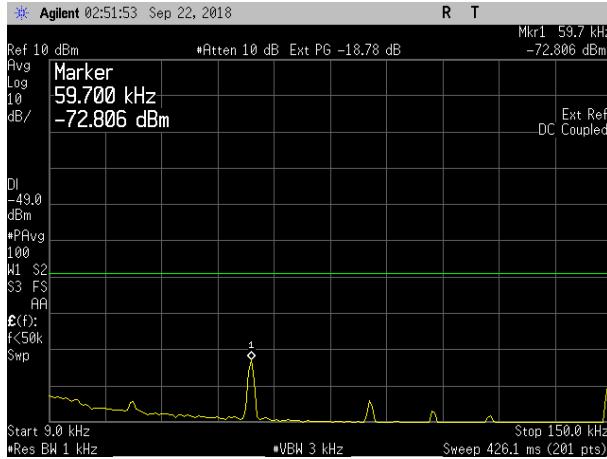


## LTE20 BOTTOM+NB IoT GB (Upper) 18000MHz – 22000MHz

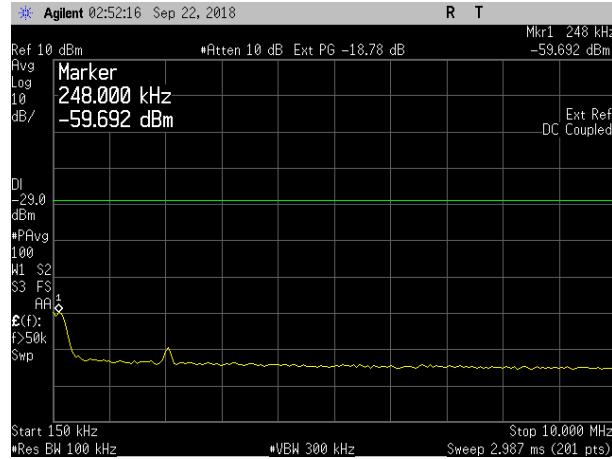


## 20MHz Middle Channel (2132.5MHz) NB IoT at lower Guard Band

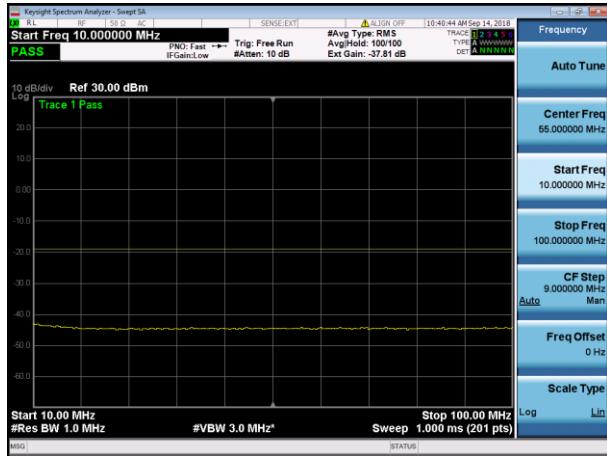
LTE20 Mid+NB IoT GB (Upper) 0.009-0.15Mhz



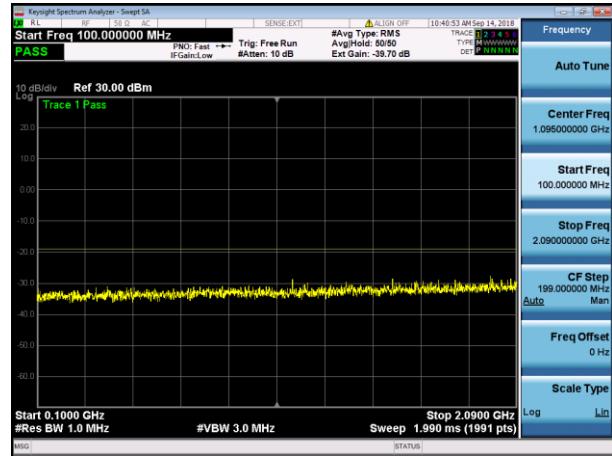
LTE20 Mid+NB IoT GB (Upper) 0.15MHz – 10MHz



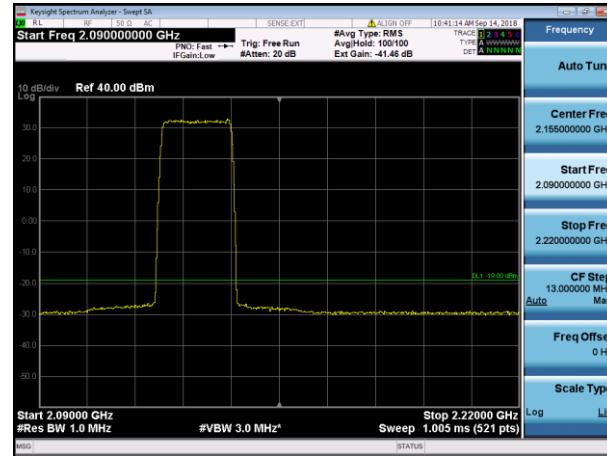
LTE20 Mid+NB IoT GB (Upper) 10MHz-100MHz



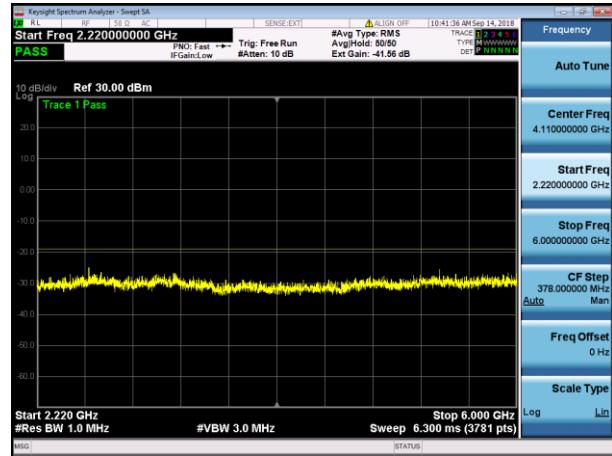
LTE20 Mid+NB IoT GB (Upper) 100MHz-2090MHz



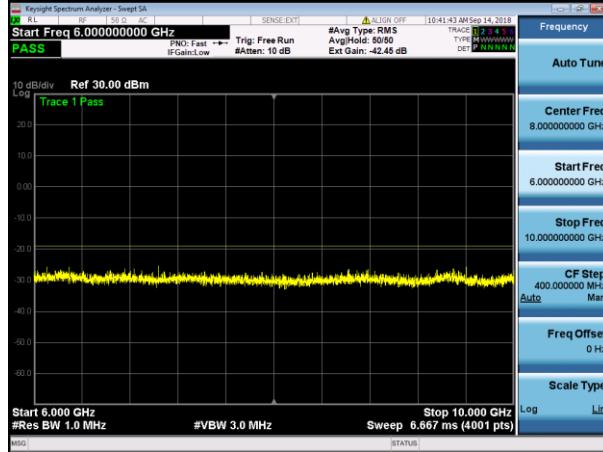
LTE20 Mid+NB IoT GB (Upper) 2090MHz-2220MHz



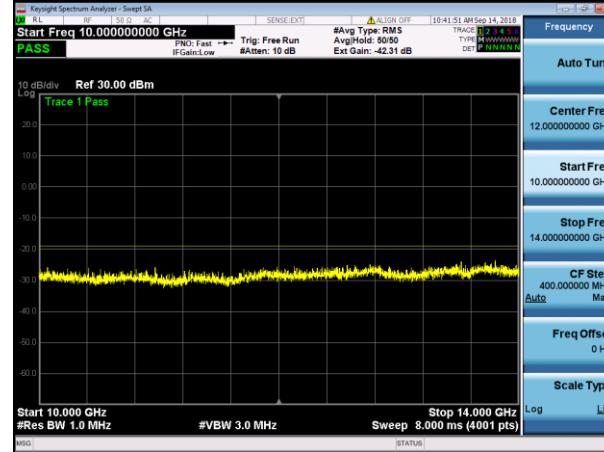
LTE20 Mid+NB IoT GB (Upper) 2220MHz-6000MHz



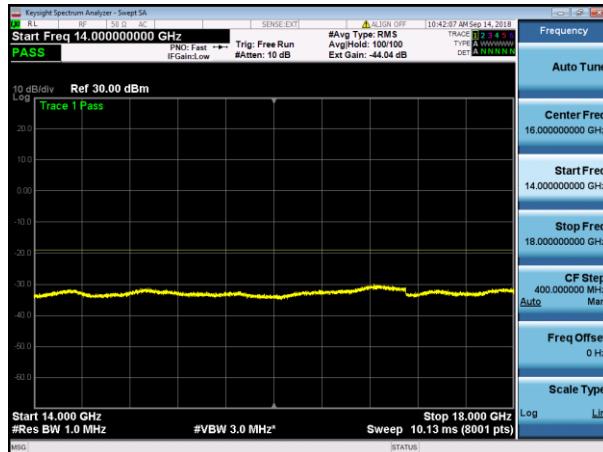
#### LTE20 Mid+NB IoT GB (Upper) 6000MHz-10000MHz



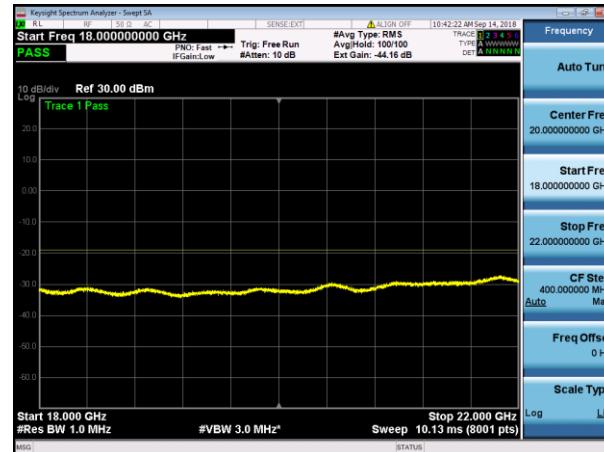
#### LTE20 Mid+NB IoT GB (Upper) 10000MHz-14000MHz



#### LTE20 Mid+NB IoT GB (Upper) 14000MHz-18000MHz



#### LTE20 Mid+NB IoT GB (Upper) 18000MHz-22000MHz



## 20MHz Top Channel (2145MHz) NB IoT at lower Guard Band

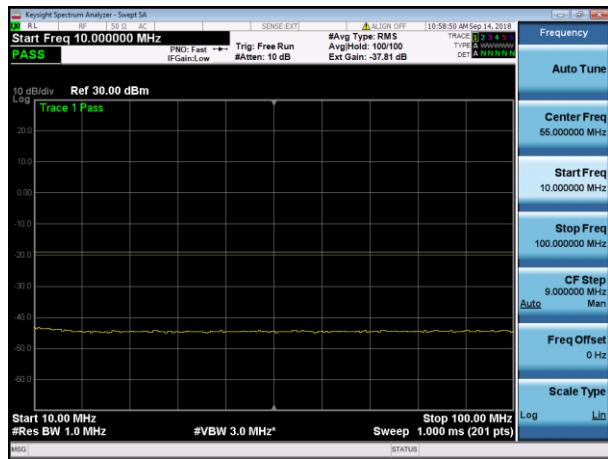
LTE20 Top+NB IoT GB (Upper) 0.009-0.15Mhz



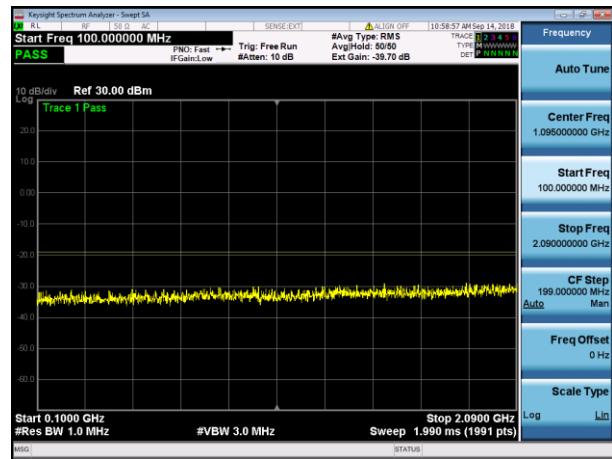
LTE20 Top+NB IoT GB (Upper) 0.15MHz – 10MHz



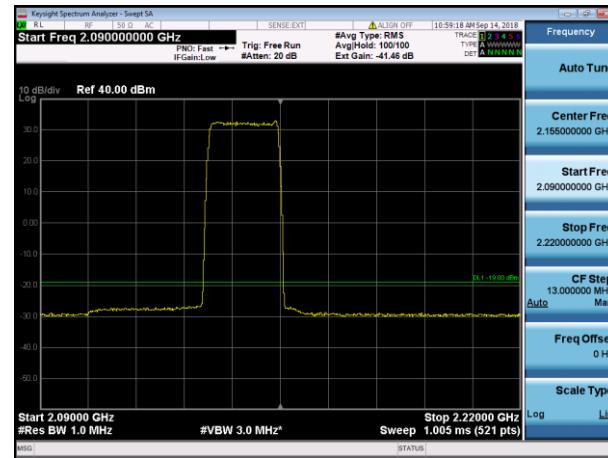
LTE20 Top+NB IoT GB (Upper) 10MHz-100MHz



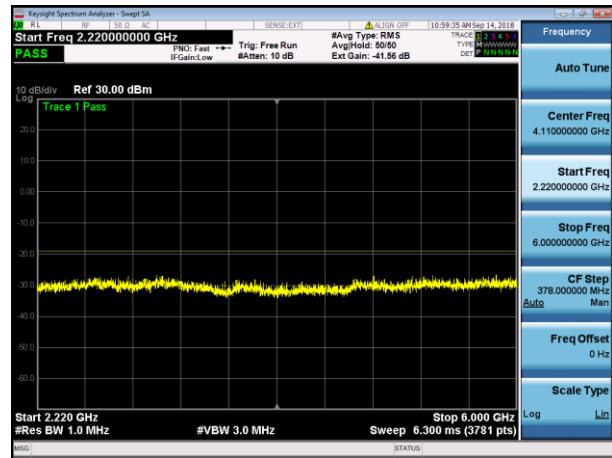
LTE20 Top+NB IoT GB (Upper) 100MHz-2090MHz



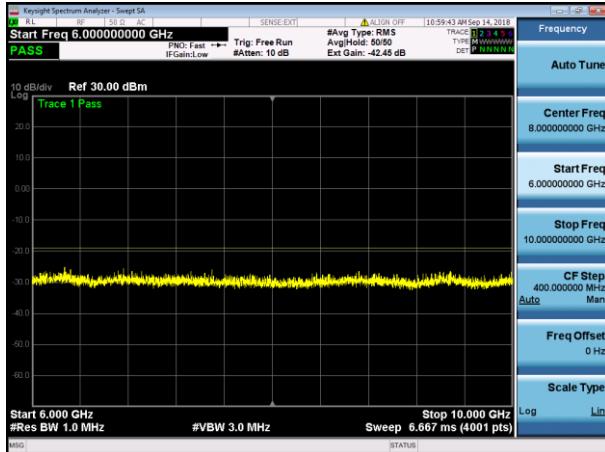
LTE20 Top+NB IoT GB (Upper) 2090MHz-2220MHz



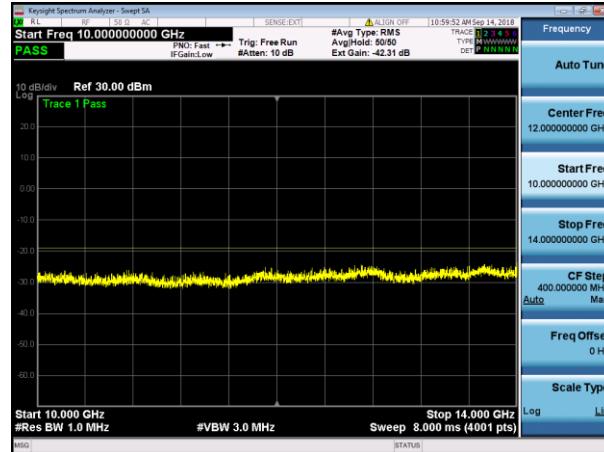
LTE20 Top+NB IoT GB (Upper) 2220MHz-6000MHz



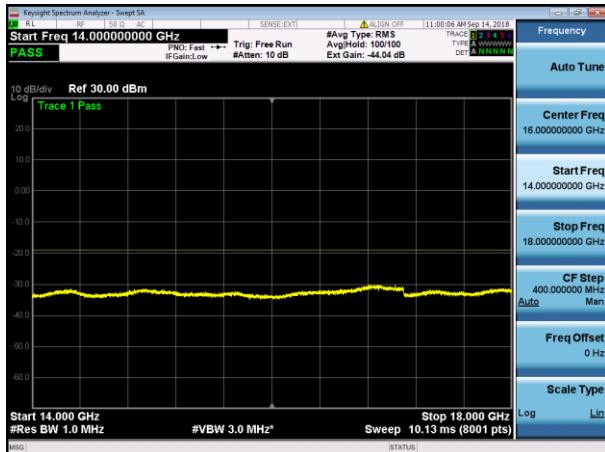
### LTE20 Top+NB IoT GB (Upper) 6000MHz-10000MHz



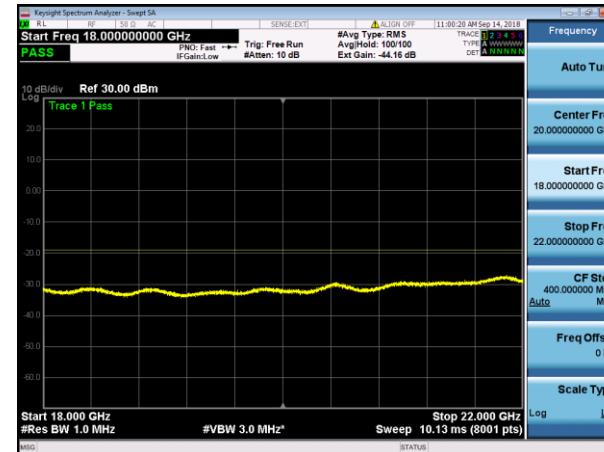
### LTE20 Top+NB IoT GB (Upper) 10000MHz-14000MHz



### LTE20 Top+NB IoT GB (Upper) 14000MHz-18000MHz



### LTE20 Top+NB IoT GB (Upper) 18000MHz-22000MHz



**End of Report**