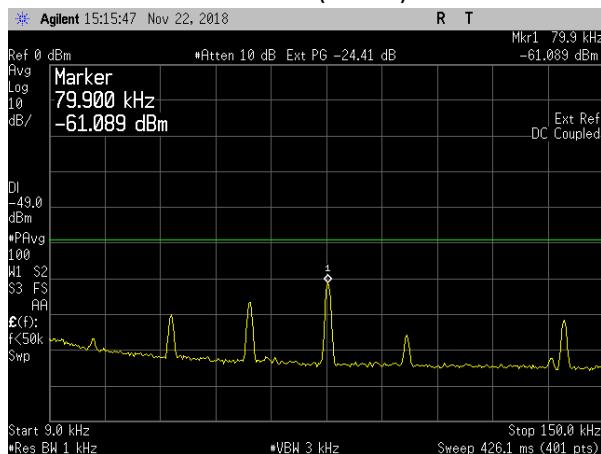
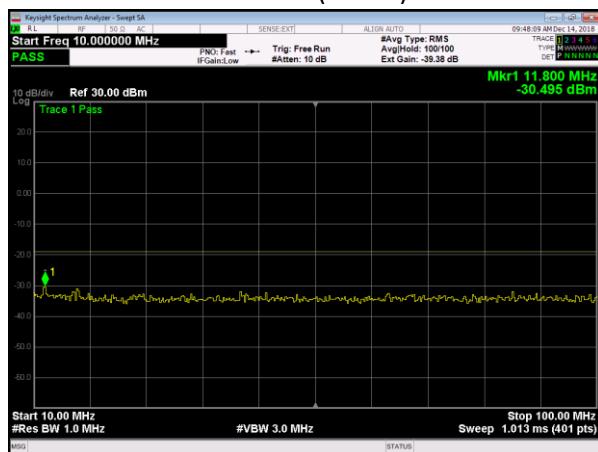
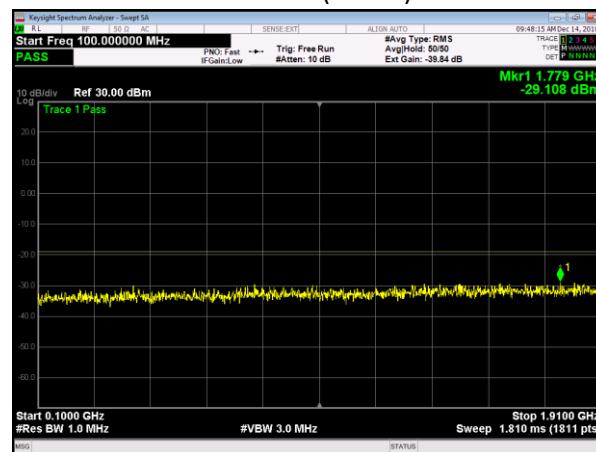
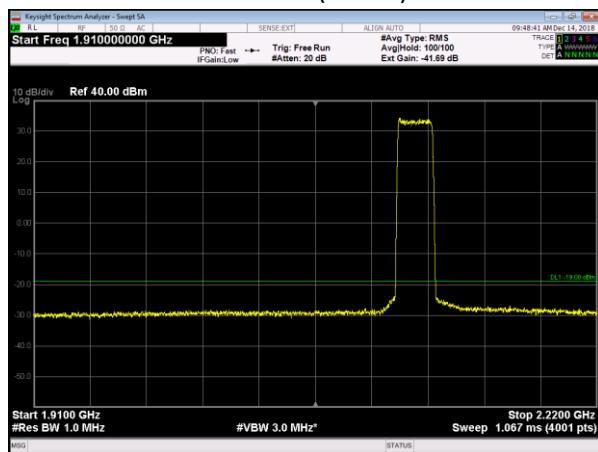
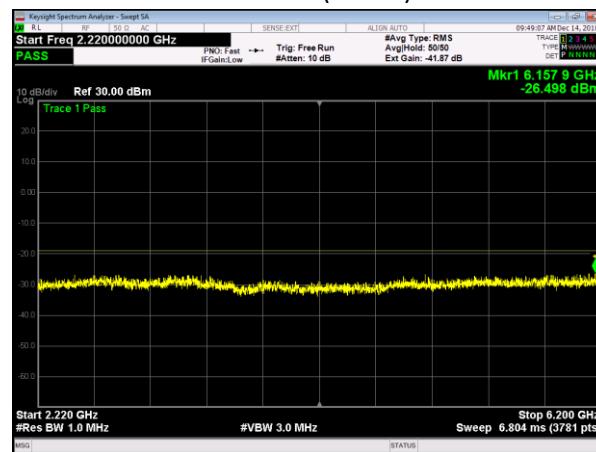
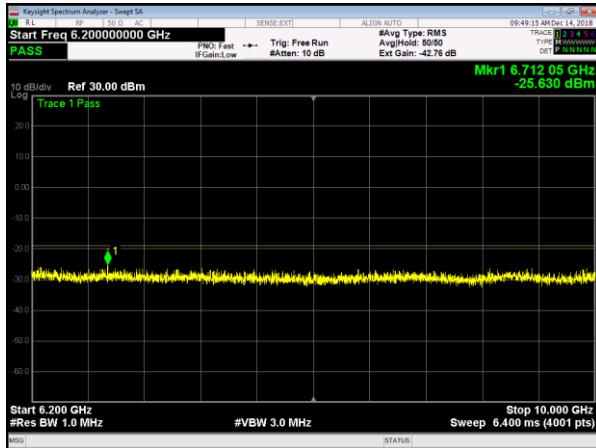


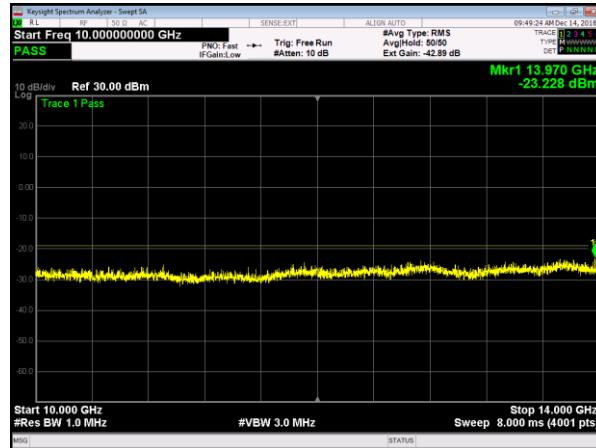
LTE20 Bottom Channel (2120MHz) NB IoT at lower Guard Band:
LTE20 Bottom+NB IoT GB (Lower) 9-150KHz

LTE20 Bottom+NB IoT GB (Lower) 150 KHz-10MHz

LTE20 Bottom+NB IoT GB (Lower) 10MHz-100MHz

LTE20 Bottom+NB IoT GB (Lower) 100MHz-1910MHz

LTE20 Bottom+NB IoT GB (Lower) 1910MHz-2220MHz

LTE20 Bottom+NB IoT GB (Lower) 2220MHz-6.2GHz


LTE20 Bottom+NB IoT GB (Lower) 6.2GHz-10GHz



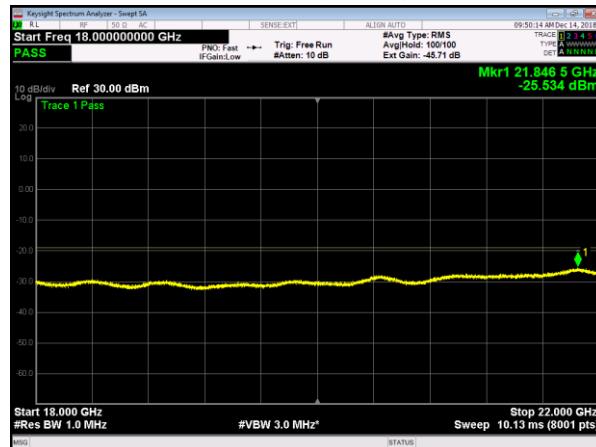
LTE20 Bottom+NB IoT GB (Lower) 10GHz-14GHz

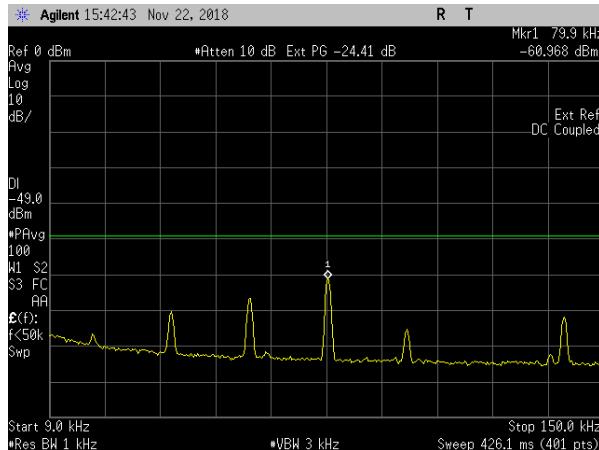
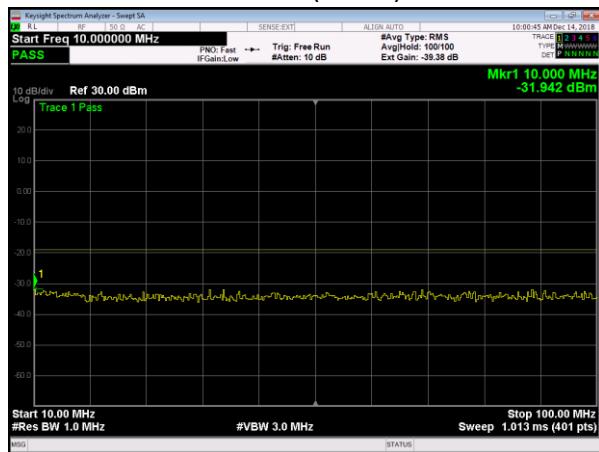
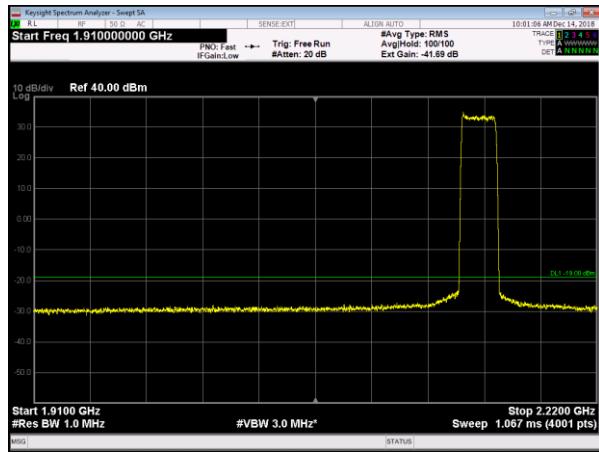
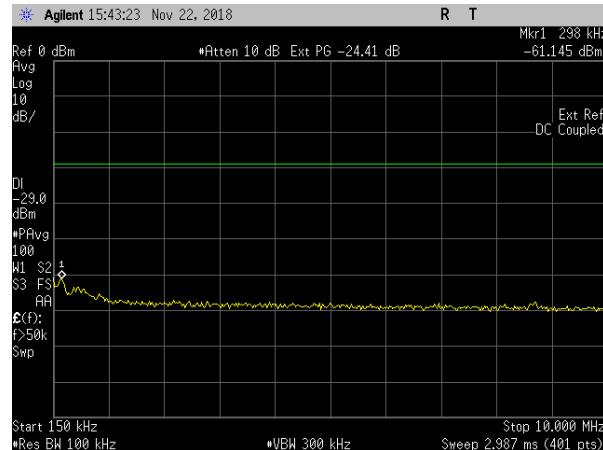
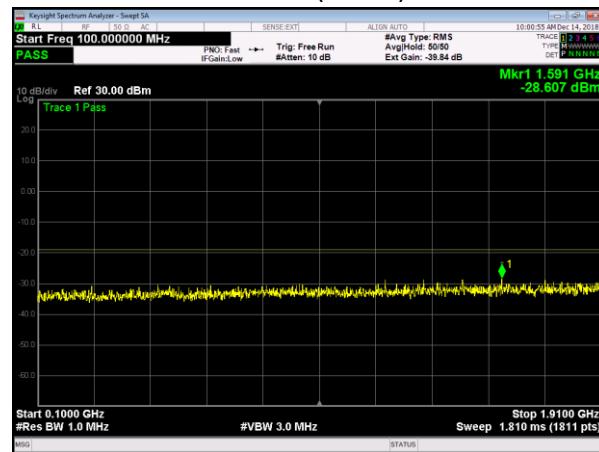
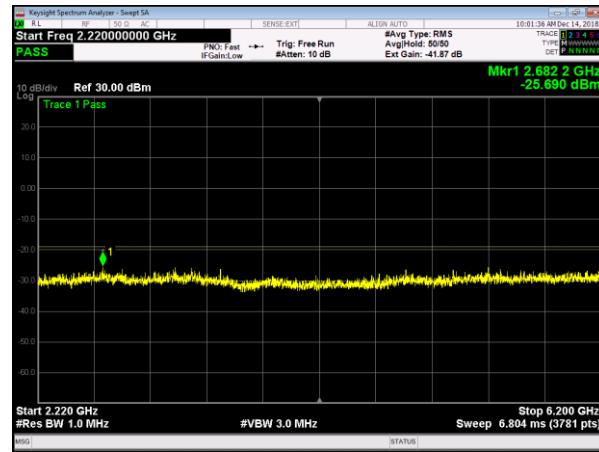


LTE20 Bottom+NB IoT GB (Lower) 14GHz-18GHz

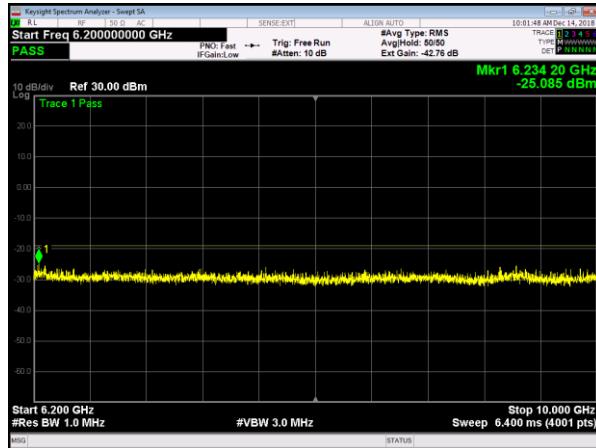


LTE20 Bottom+NB IoT GB (Lower) 18GHz-22GHz

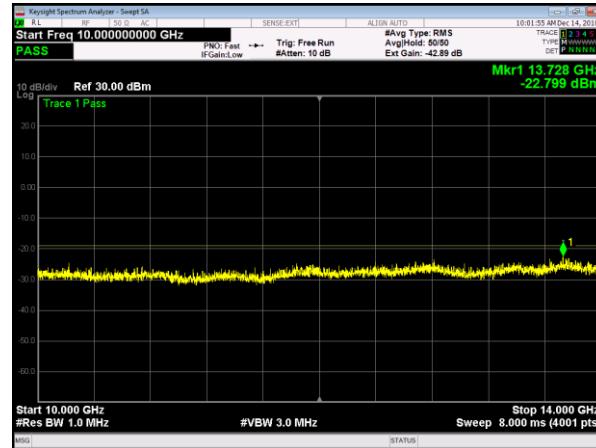


LTE20 Middle Channel (2155MHz) NB IoT at lower Guard Band:
LTE20 Middle+NB IoT GB (Lower) 9-150KHz

LTE20 Middle+NB IoT GB (Lower) 10MHz-100MHz

LTE20 Middle+NB IoT GB (Lower) 1910MHz-2220MHz

LTE20 Middle+NB IoT GB (Lower) 150 KHz-10MHz

LTE20 Middle+NB IoT GB (Lower) 100MHz-1910MHz

LTE20 Middle+NB IoT GB (Lower) 2220MHz-6.2GHz


LTE20 Middle+NB IoT GB (Lower) 6.2GHz-10GHz



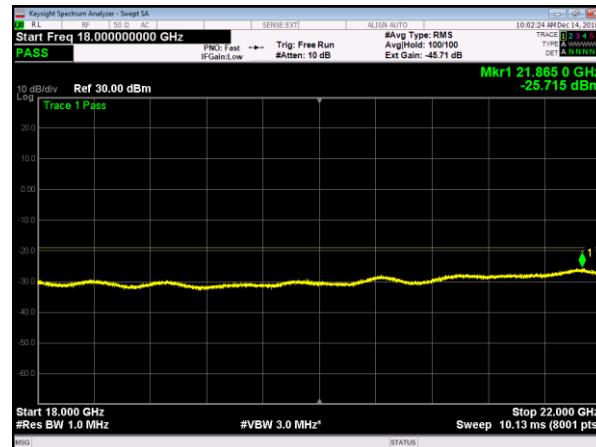
LTE20 Middle+NB IoT GB (Lower) 10GHz-14GHz

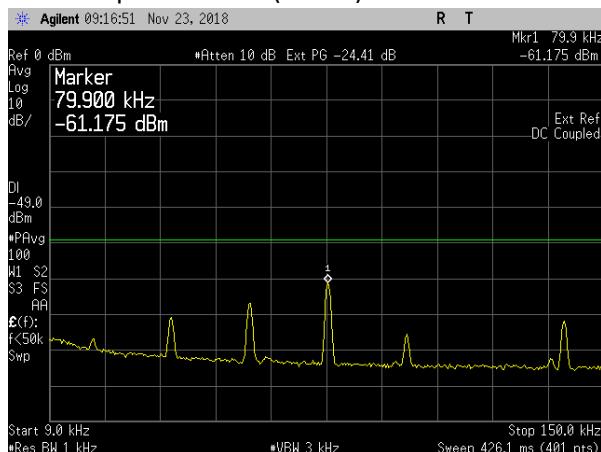
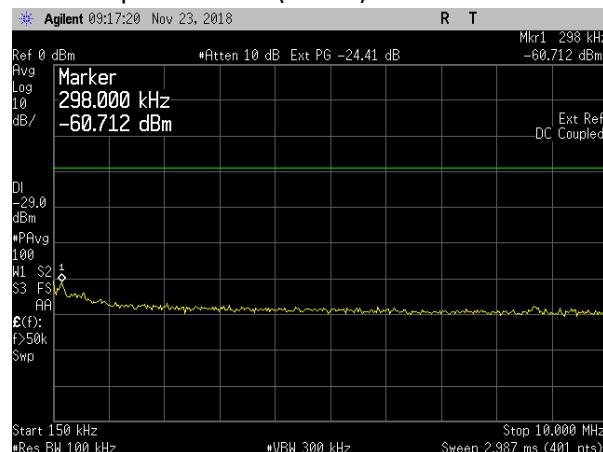
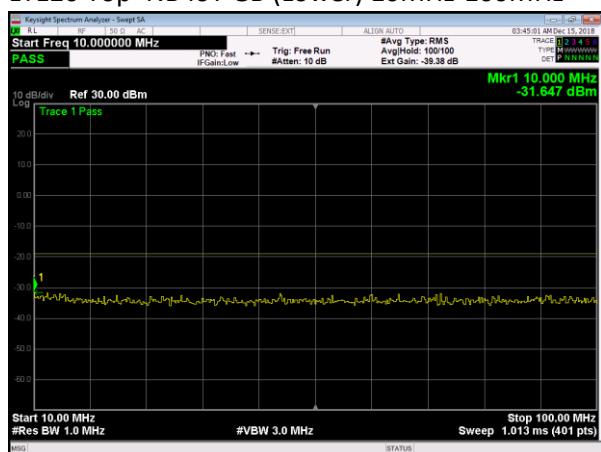
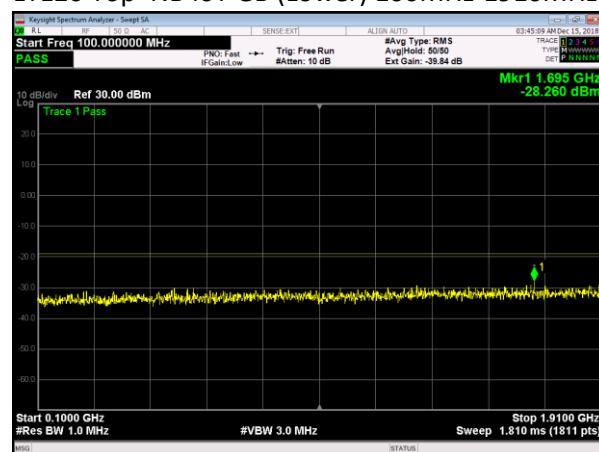
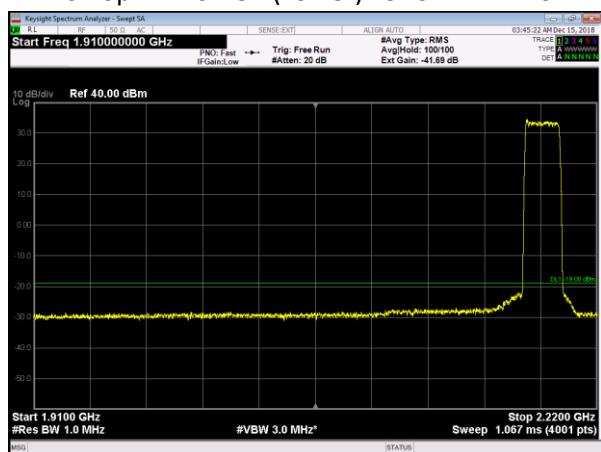
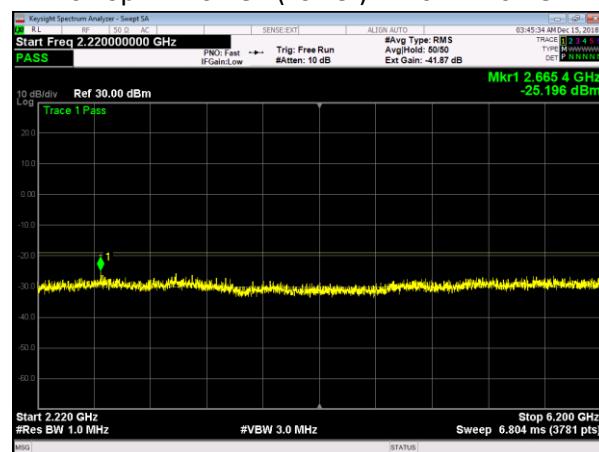


LTE20 Middle+NB IoT GB (Lower) 14GHz-18GHz

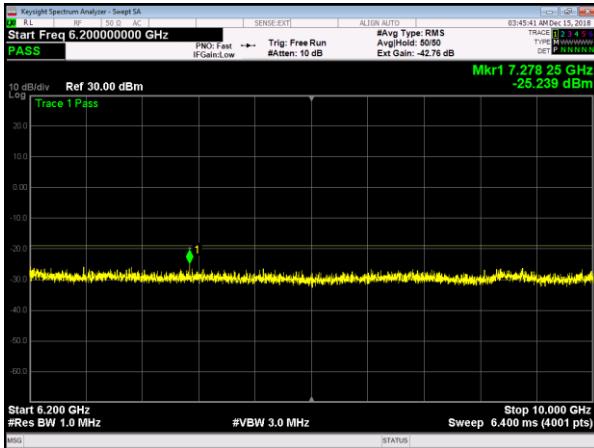


LTE20 Middle+NB IoT GB (Lower) 18GHz-22GHz

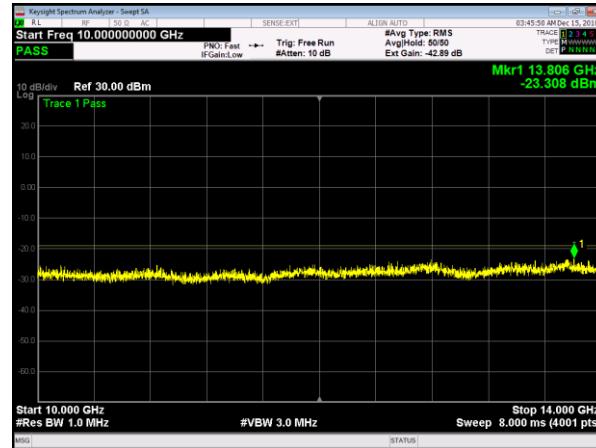


LTE20 Top Channel (2190MHz) NB IoT at lower Guard Band:
LTE20 Top+NB IoT GB (Lower) 9-150KHz

LTE20 Top+NB IoT GB (Lower) 150 KHz-10MHz

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

LTE20 Top+NB IoT GB (Lower) 100MHz-1910MHz

LTE20 Top+NB IoT GB (Lower) 1910MHz-2220MHz

LTE20 Top+NB IoT GB (Lower) 2220MHz-6.2GHz


LTE20 Top+NB IoT GB (Lower) 6.2GHz-10GHz



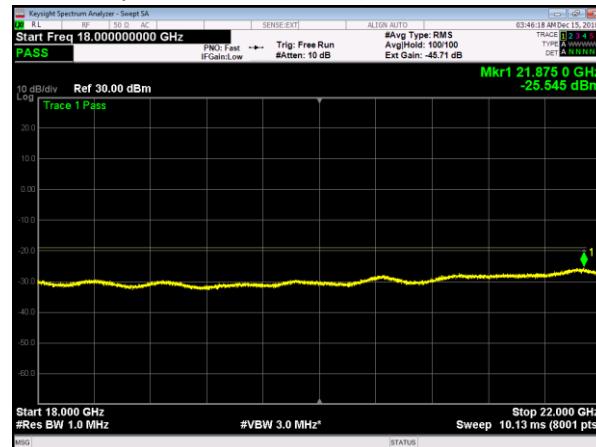
LTE20 Top+NB IoT GB (Lower) 10GHz-14GHz



LTE20 Top+NB IoT GB (Lower) 14GHz-18GHz

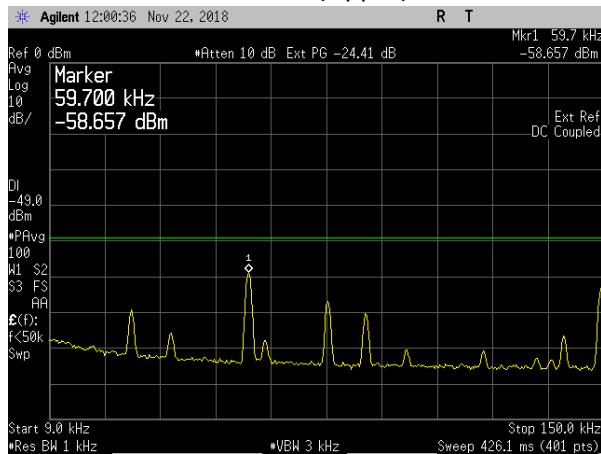


LTE20 Top+NB IoT GB (Lower) 18GHz-22GHz

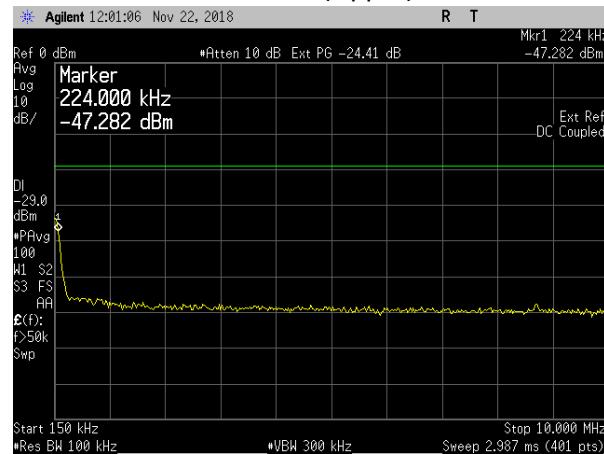


LTE15 Bottom Channel (2117.5) NB IoT at Upper Guard Band:

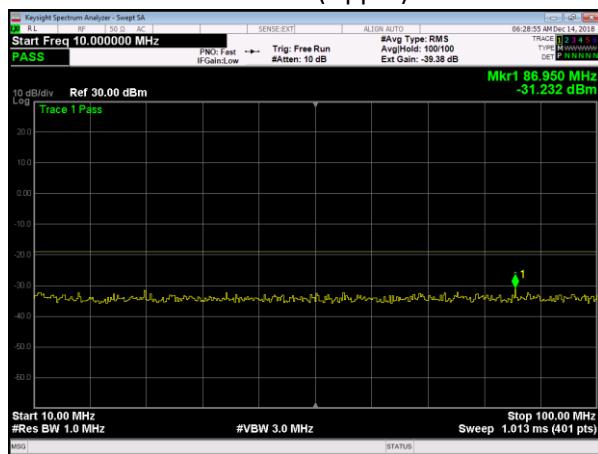
LTE15 Bottom+NB IoT GB (Upper) 9-150KHz



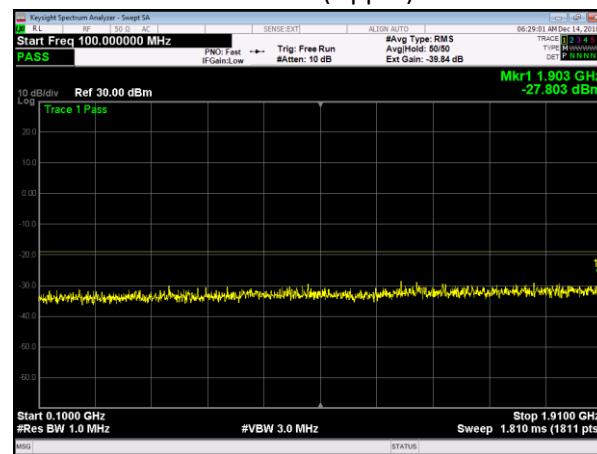
LTE15 Bottom+NB IoT GB (Upper) 150KHz-10MHz



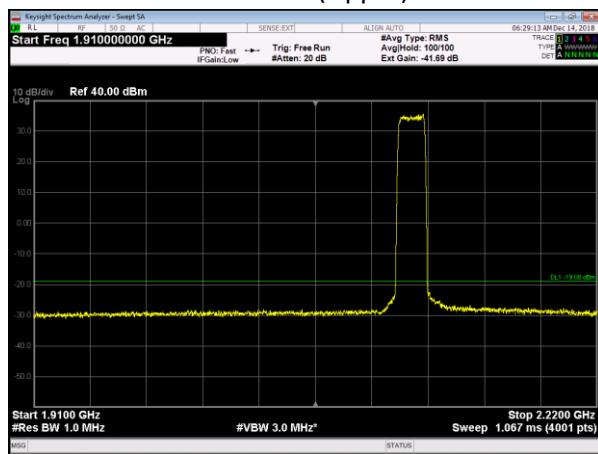
LTE15 Bottom+NB IoT GB (Upper) 10MHz-100MHz



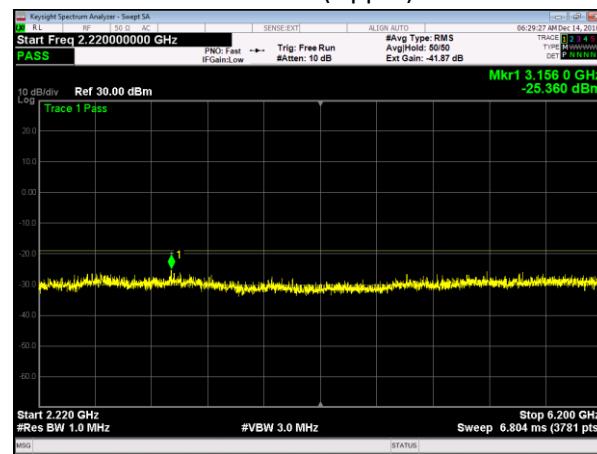
LTE15 Bottom+NB IoT GB (Upper) 100MHz-1910MHz



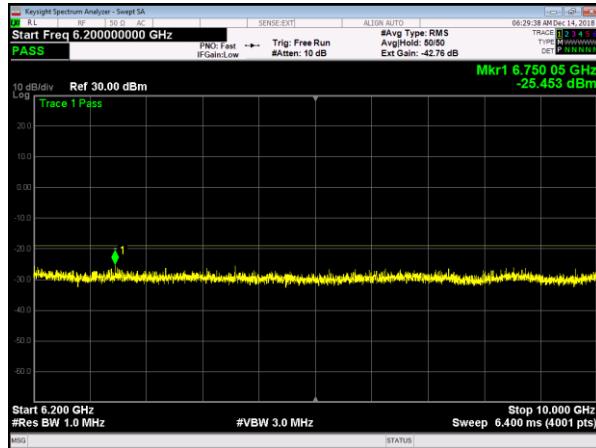
LTE15 Bottom+NB IoT GB (Upper) 1910MHz-2220MHz



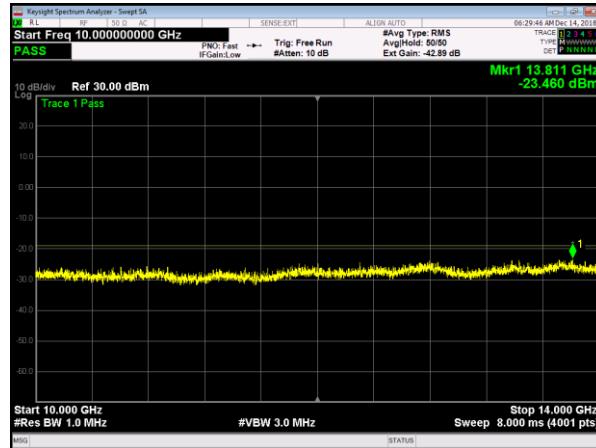
LTE15 Bottom+NB IoT GB (Upper) 2220MHz-6.2GHz



LTE15 Bottom+NB IoT GB (Lower) 6.2GHz-10GHz



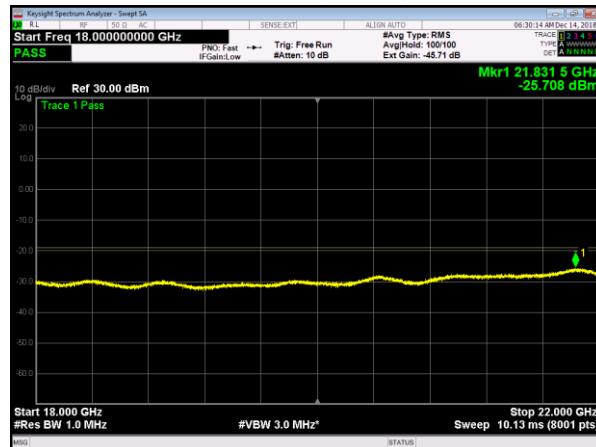
LTE15 Bottom+NB IoT GB (Lower) 10GHz-14GHz



LTE15 Bottom+NB IoT GB (Lower) 14GHz-18GHz

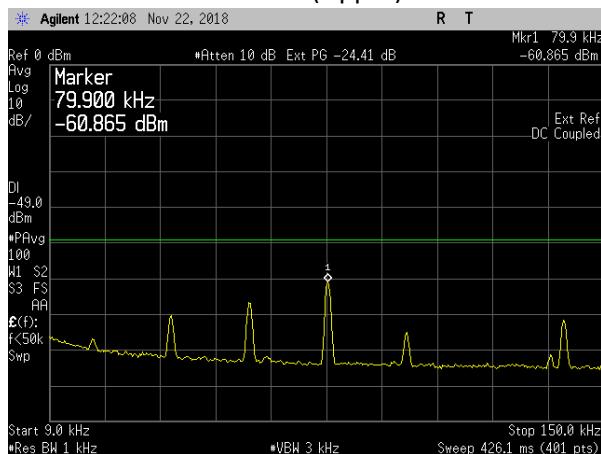


LTE15 Bottom+NB IoT GB (Lower) 18GHz-22GHz

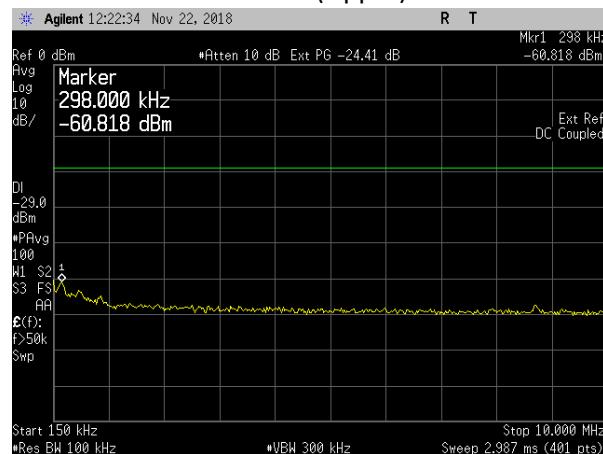


LTE15 Middle Channel (2155MHz) NB IoT at Upper Guard Band:

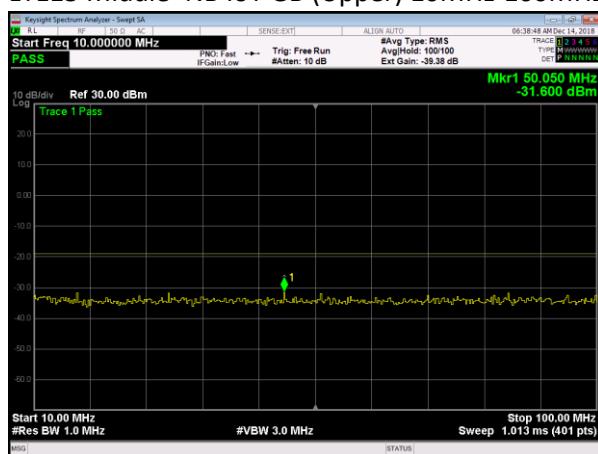
LTE15 Middle+NB IoT GB (Upper) 9-150KHz



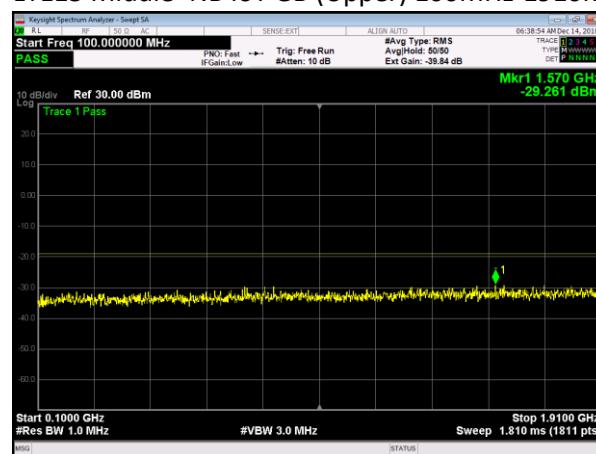
LTE15 Middle+NB IoT GB (Upper) 150 KHz-10MHz



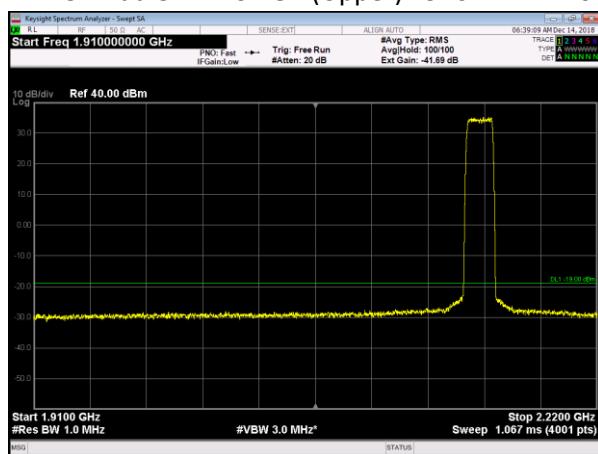
LTE15 Middle+NB IoT GB (Upper) 10MHz-100MHz



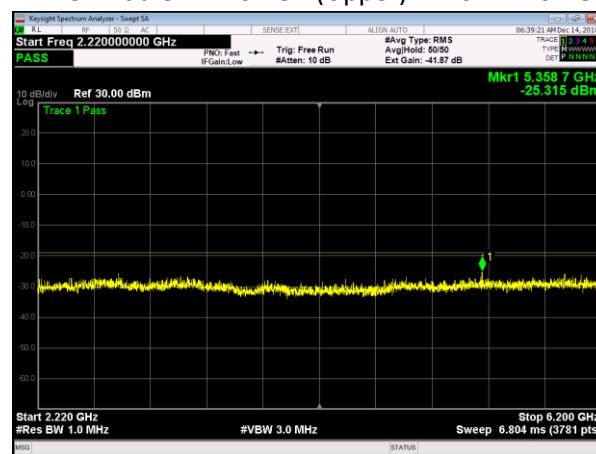
LTE15 Middle+NB IoT GB (Upper) 100MHz-1910MHz



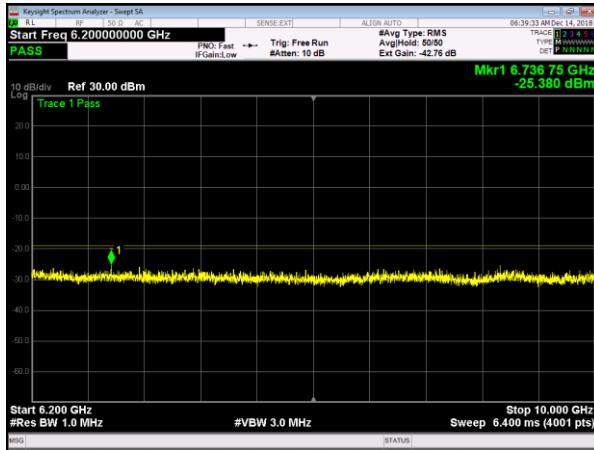
LTE15 Middle+NB IoT GB (Upper) 1910MHz-2220MHz



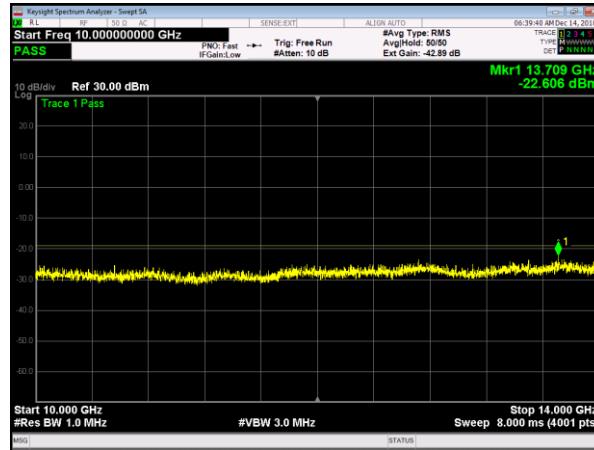
LTE15 Middle+NB IoT GB (Upper) 2220MHz-6.2GHz



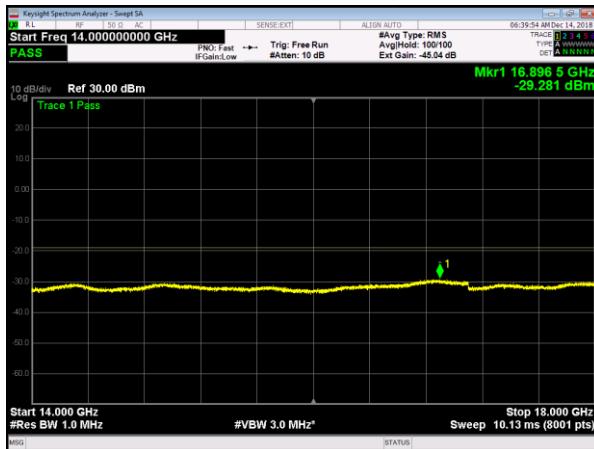
LTE15 Middle+NB IoT GB (Lower) 6.2GHz-10GHz



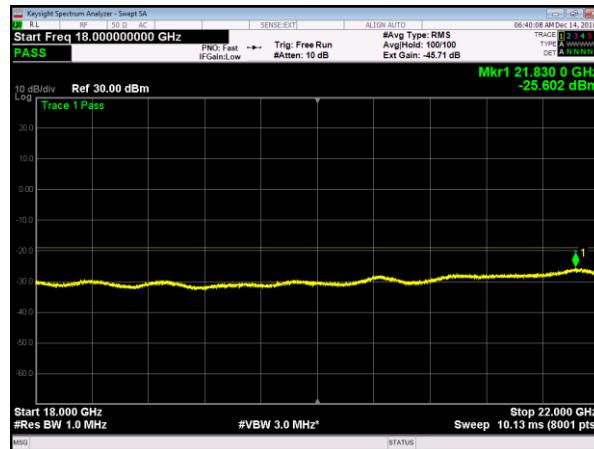
LTE15 Middle+NB IoT GB (Lower) 10GHz-14GHz



LTE15 Middle+NB IoT GB (Lower) 14GHz-18GHz

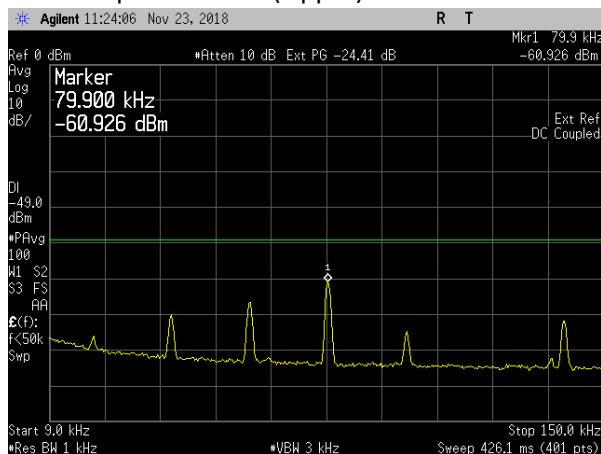


LTE15 Middle+NB IoT GB (Lower) 18GHz-22GHz

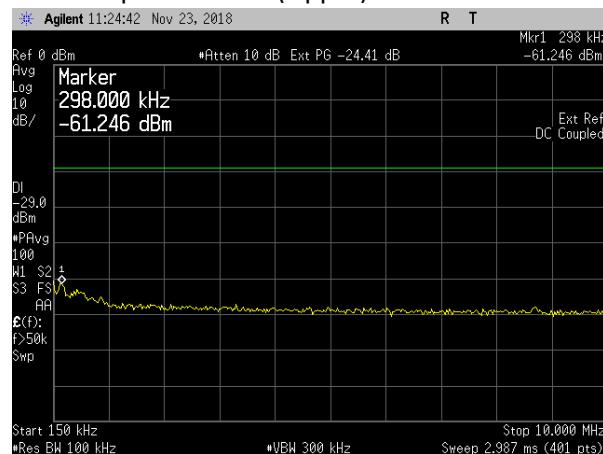


LTE15 Top Channel (2192.5MHz) NB IoT at Upper Guard Band:

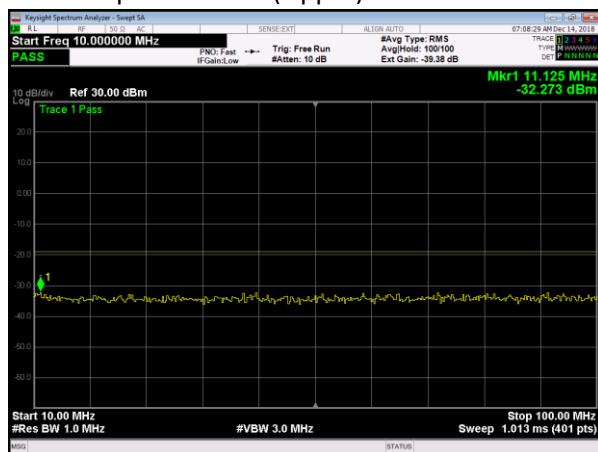
LTE15 Top+NB IoT GB (Upper) 9-150KHz



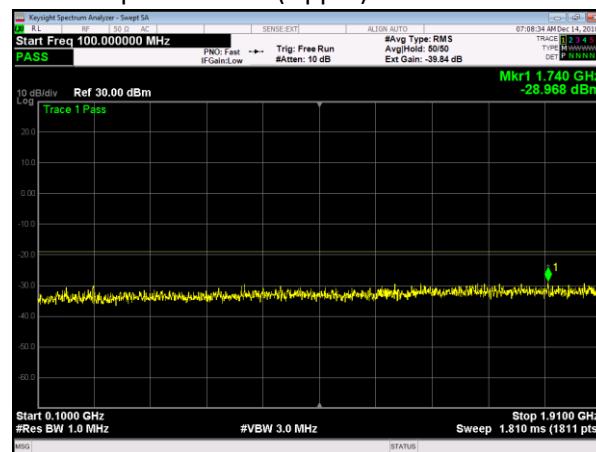
LTE15 Top+NB IoT GB (Upper) 150 KHz-10MHz



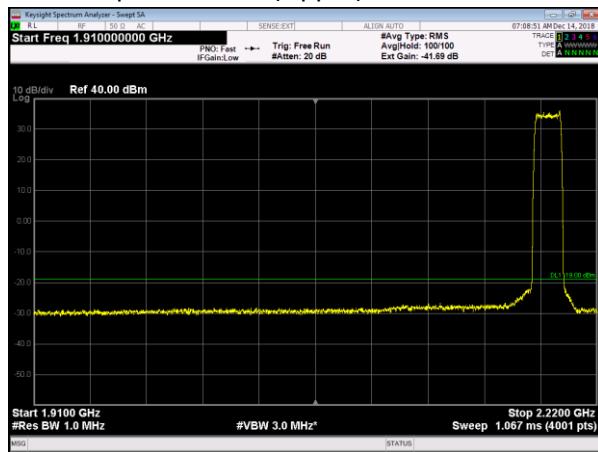
LTE15 Top+NB IoT GB (Upper) 10MHz-100MHz



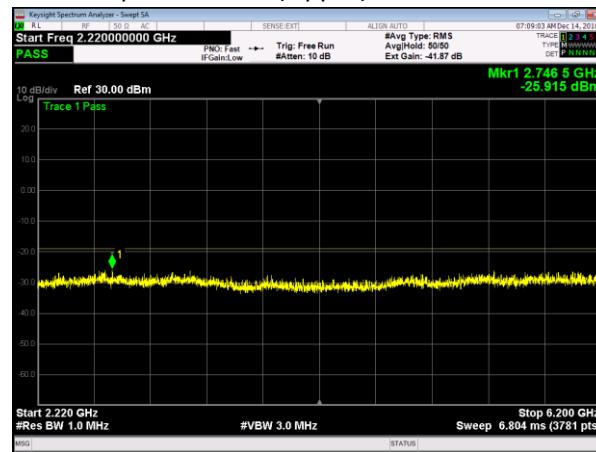
LTE15 Top+NB IoT GB (Upper) 100MHz-1910MHz



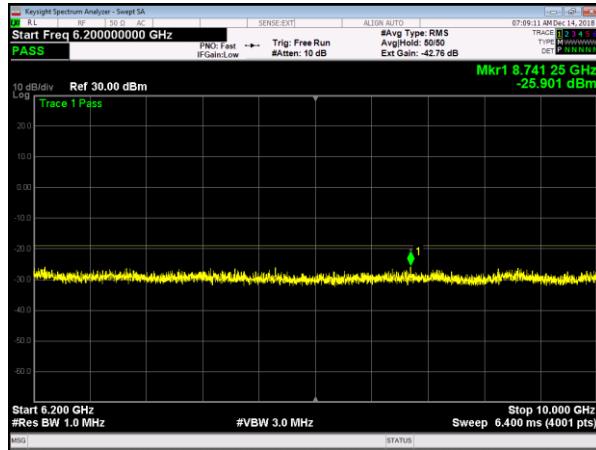
LTE15 Top+NB IoT GB (Upper) 1910MHz-2220MHz



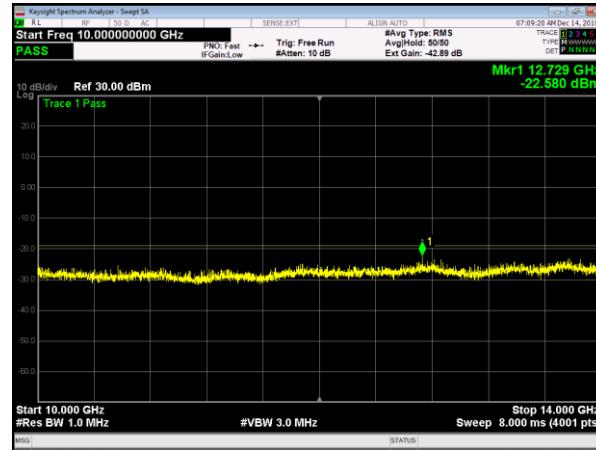
LTE15 Top+NB IoT GB (Upper) 2220MHz-6.2GHz



LTE15 Top+NB IoT GB (Lower) 6.2GHz-10GHz



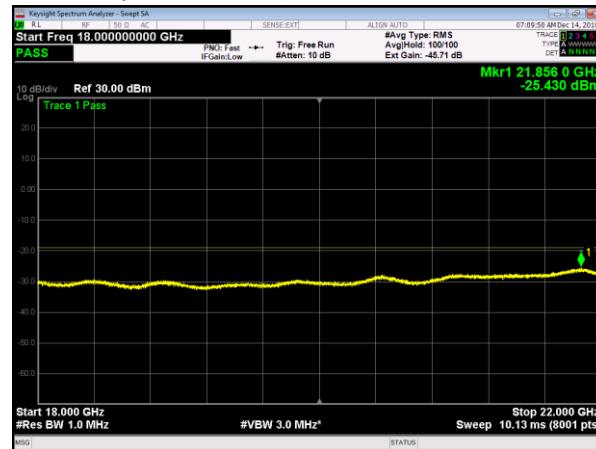
LTE15 Top+NB IoT GB (Lower) 10GHz-14GHz

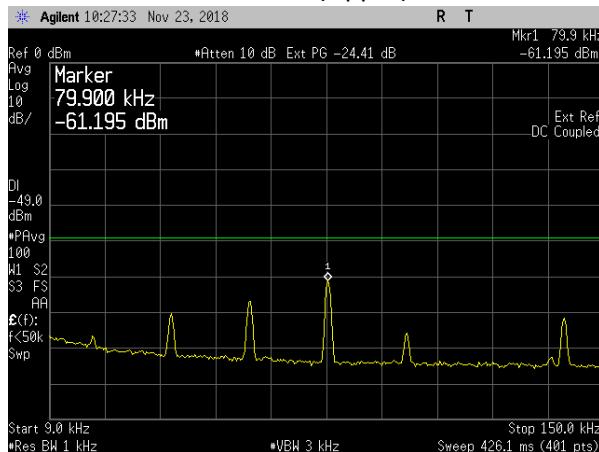
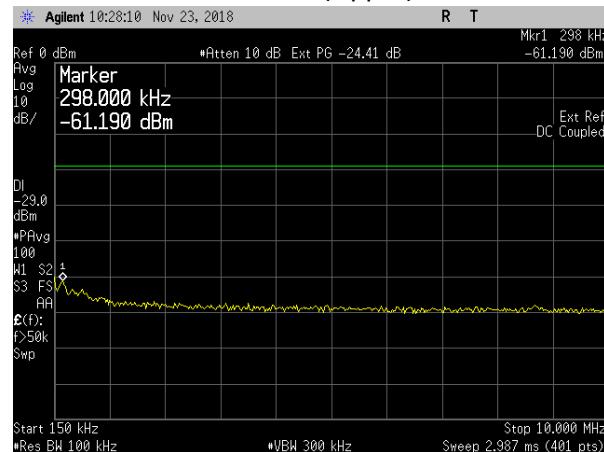
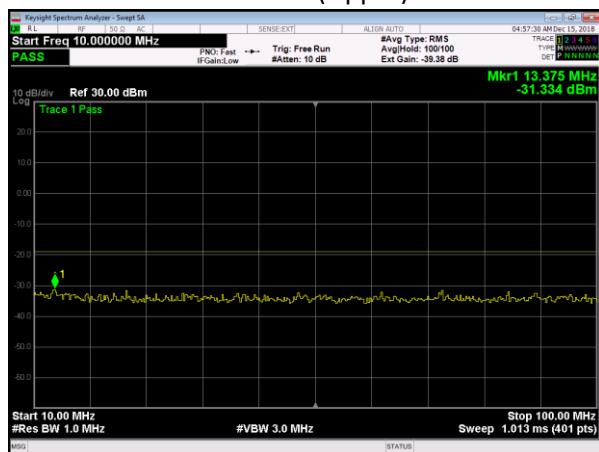
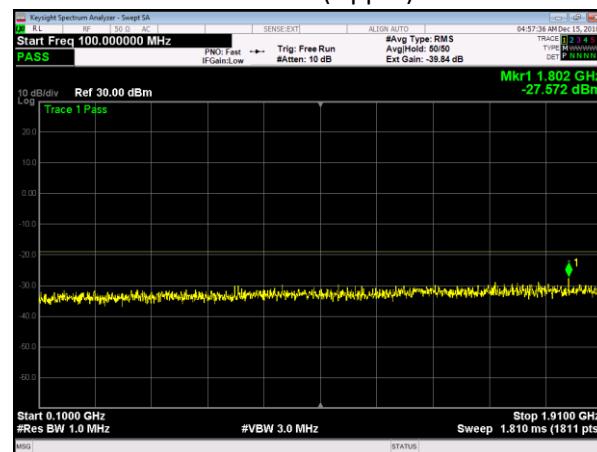
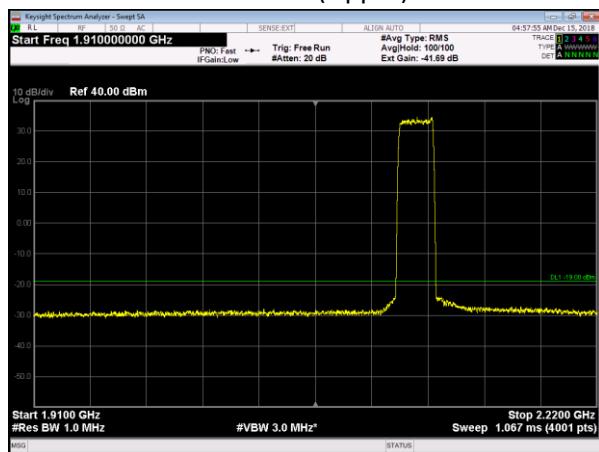
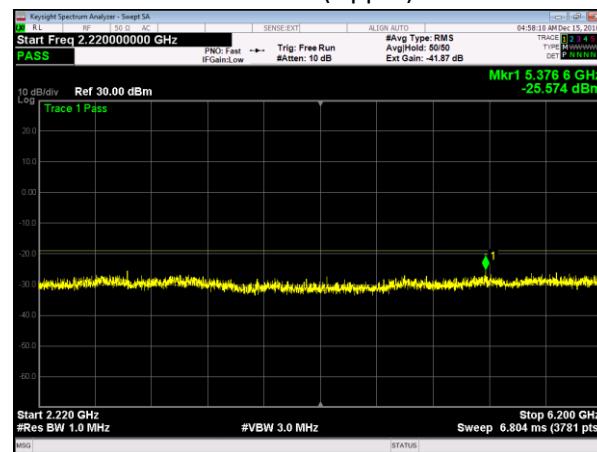


LTE15 Top+NB IoT GB (Lower) 14GHz-18GHz

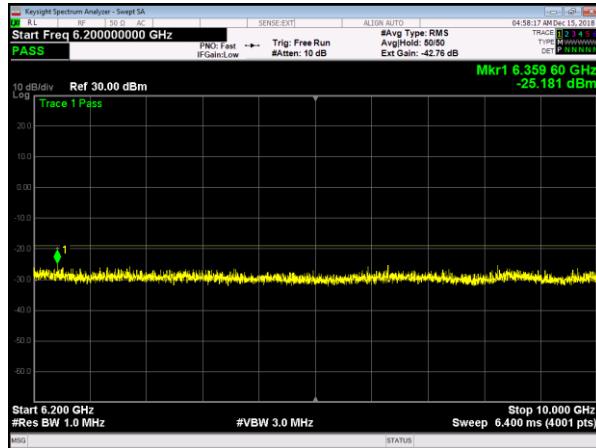


LTE15 Top+NB IoT GB (Lower) 18GHz-22GHz

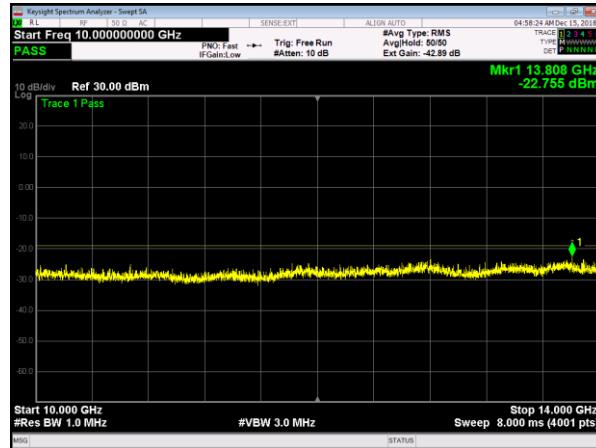


LTE20 Bottom Channel (2120MHz) NB IoT at Upper Guard Band:
LTE20 Bottom+NB IoT GB (Upper) 9-150KHz

LTE20 Bottom+NB IoT GB (Upper) 150KHz-10MHz

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

LTE20 Bottom+NB IoT GB (Upper) 100MHz-1910MHz

LTE20 Bottom+NB IoT GB (Upper) 1910MHz-2220MHz

LTE20 Bottom+NB IoT GB (Upper) 2220MHz-6.2GHz


LTE20 Bottom+NB IoT GB (Lower) 6.2GHz-10GHz



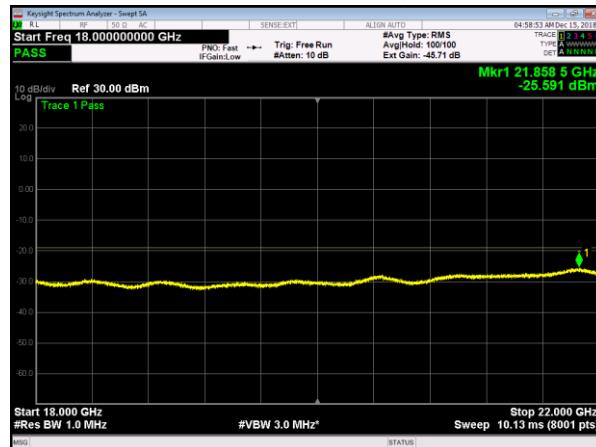
LTE20 Bottom+NB IoT GB (Lower) 10GHz-14GHz

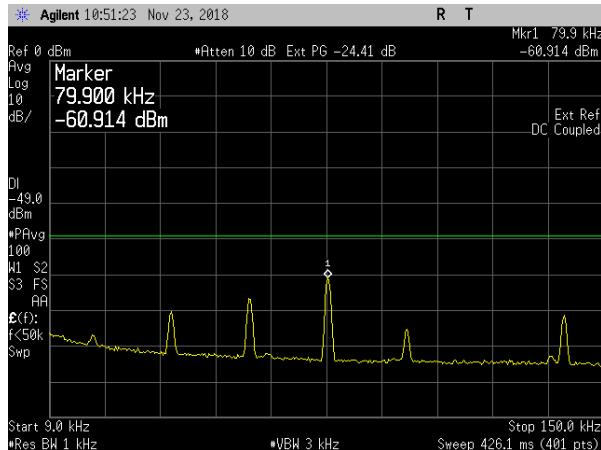
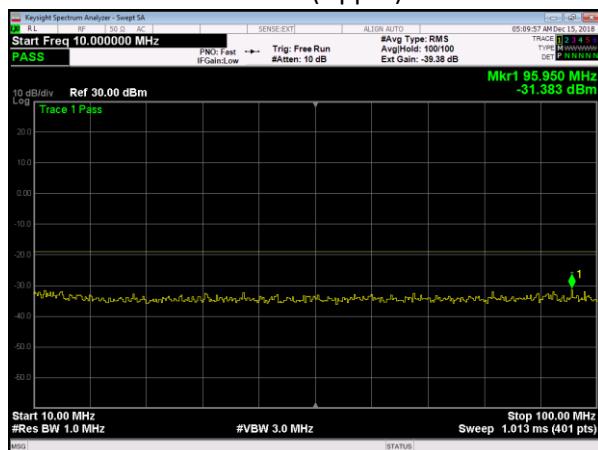
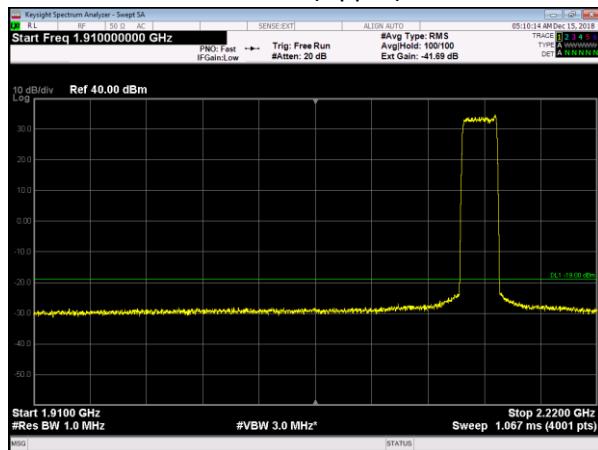


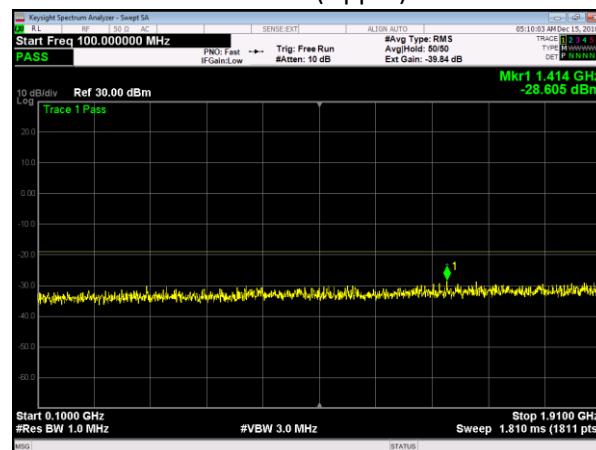
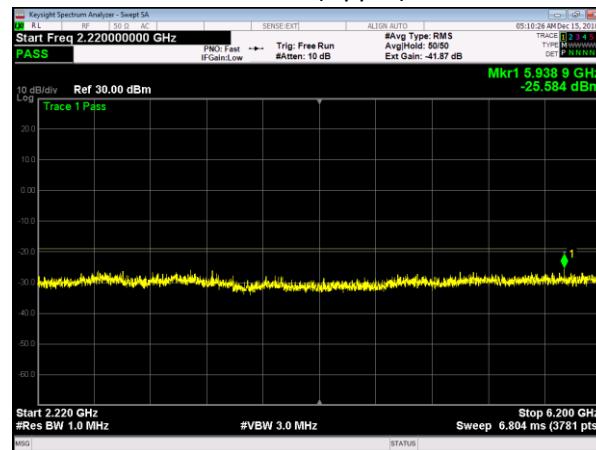
LTE20 Bottom+NB IoT GB (Lower) 14GHz-18GHz



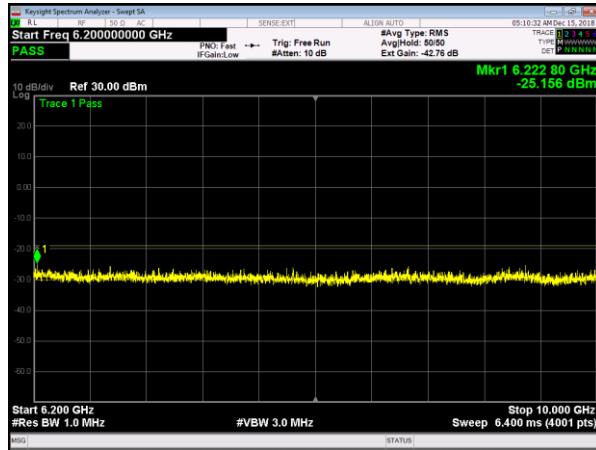
LTE20 Bottom+NB IoT GB (Lower) 18GHz-22GHz



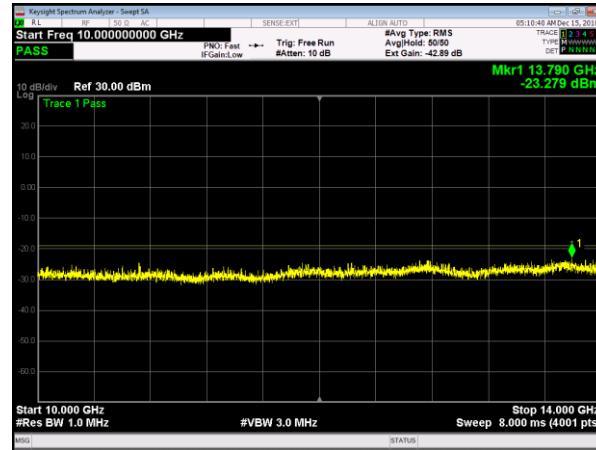
LTE20 Middle Channel (2155MHz) NB IoT at Upper Guard Band:
LTE20 Middle+NB IoT GB (Upper) 9-150KHz

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

LTE20 Middle+NB IoT GB (Upper) 1910MHz-2220MHz

LTE20 Middle+NB IoT GB (Upper) 150 KHz-10MHz

LTE20 Middle+NB IoT GB (Upper) 100MHz-1910MHz

LTE20 Middle+NB IoT GB (Upper) 2220MHz-6.2GHz


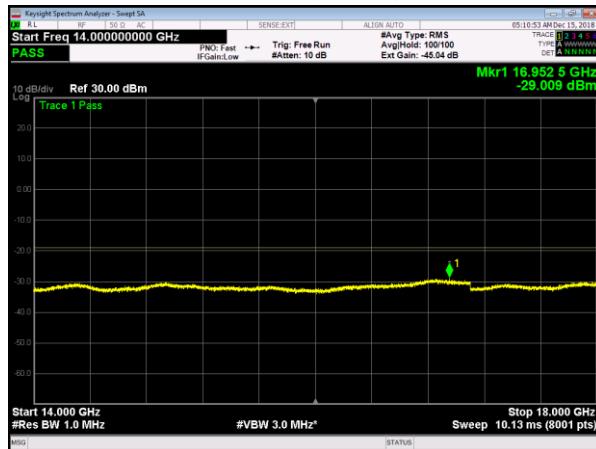
LTE20 Middle+NB IoT GB (Lower) 6.2GHz-10GHz



LTE20 Middle+NB IoT GB (Lower) 10GHz-14GHz



LTE20 Middle+NB IoT GB (Lower) 14GHz-18GHz

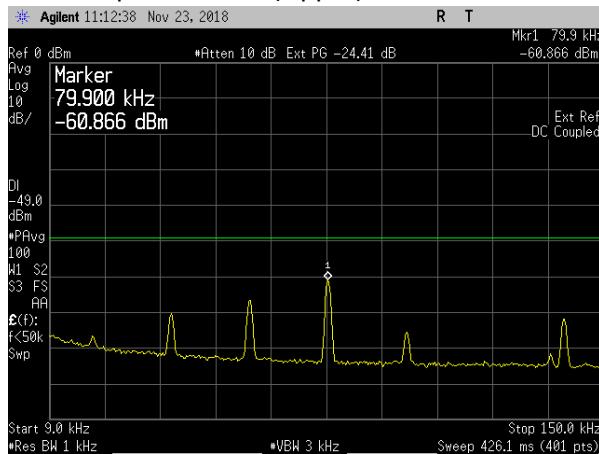


LTE20 Middle+NB IoT GB (Lower) 18GHz-22GHz



LTE20 Top Channel (2190MHz) NB IoT at Upper Guard Band:

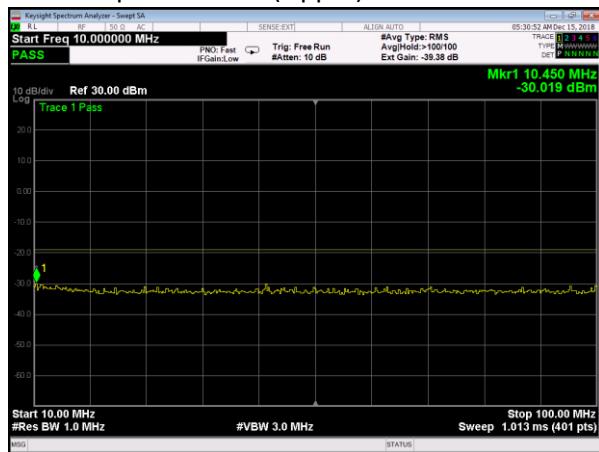
LTE20 Top+NB IoT GB (Upper) 9-150KHz



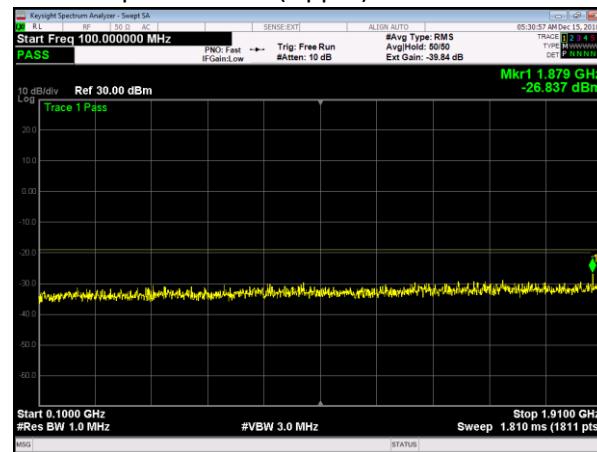
LTE20 Top+NB IoT GB (Upper) 150 KHz-10MHz



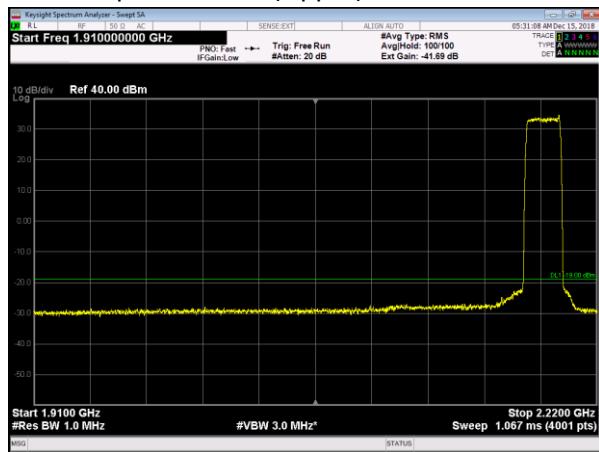
LTE20 Top+NB IoT GB (Upper) 10MHz-100MHz



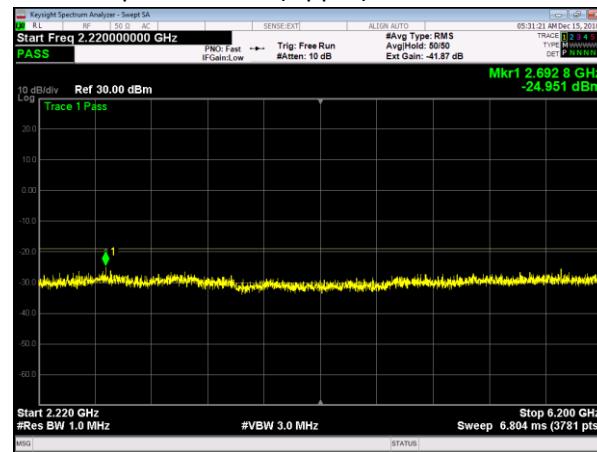
LTE20 Top+NB IoT GB (Upper) 100MHz-1910MHz



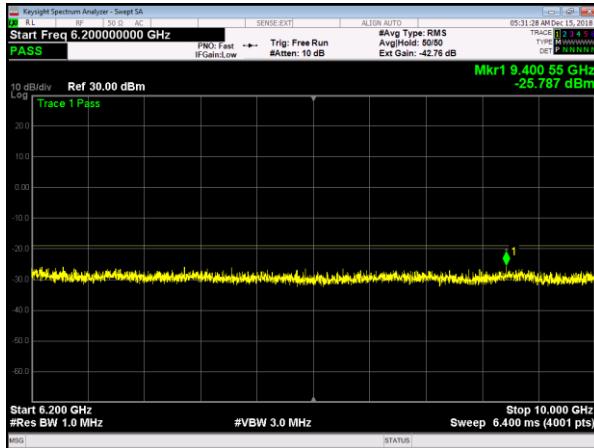
LTE20 Top+NB IoT GB (Upper) 1910MHz-2220MHz



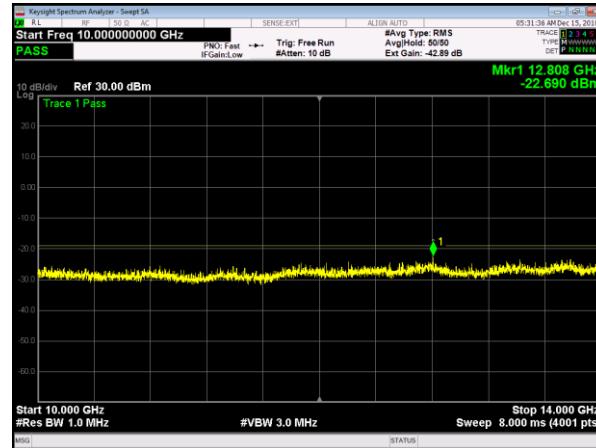
LTE20 Top+NB IoT GB (Upper) 2220MHz-6.2GHz



LTE20 Top+NB IoT GB (Lower) 6.2GHz-10GHz



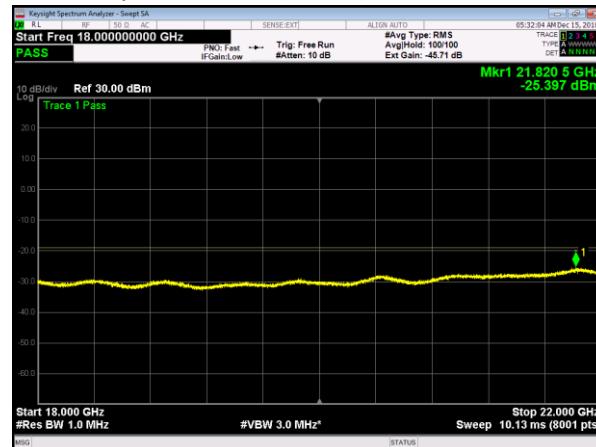
LTE20 Top+NB IoT GB (Lower) 10GHz-14GHz



LTE20 Top+NB IoT GB (Lower) 14GHz-18GHz



LTE20 Top+NB IoT GB (Lower) 18GHz-22GHz



End of Report