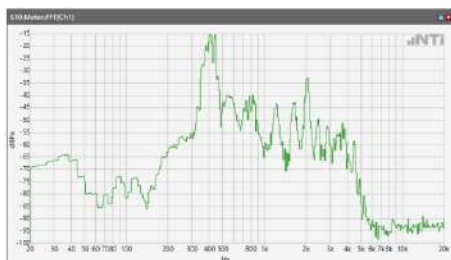
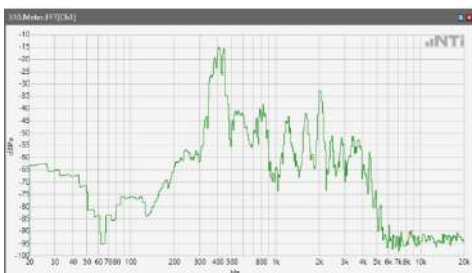


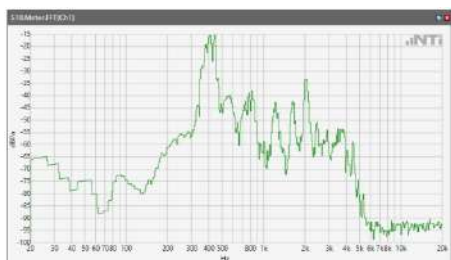
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



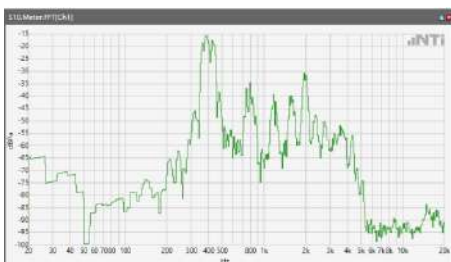
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71

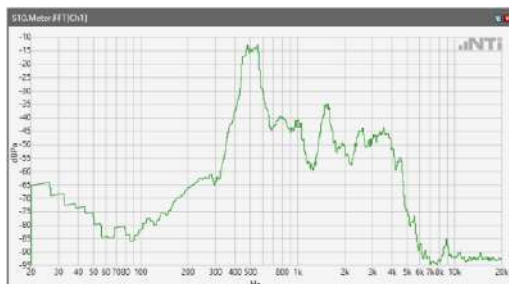


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77

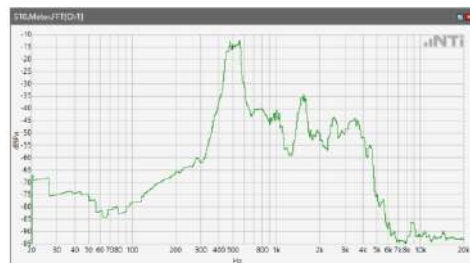


## 5.2 Receive path - distortion and noise 500Hz 8N&2N NB

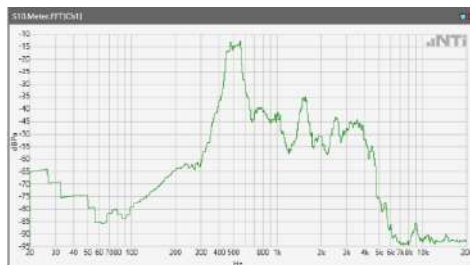
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



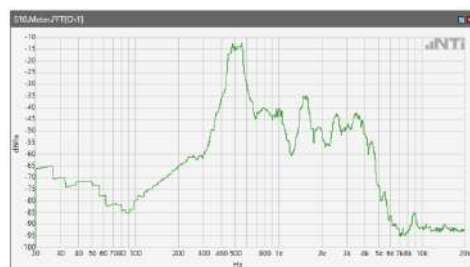
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



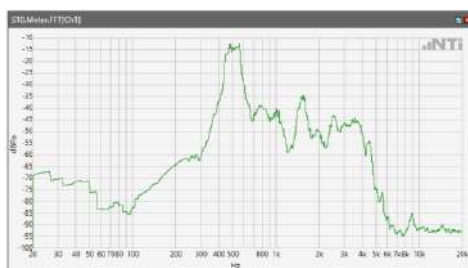
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



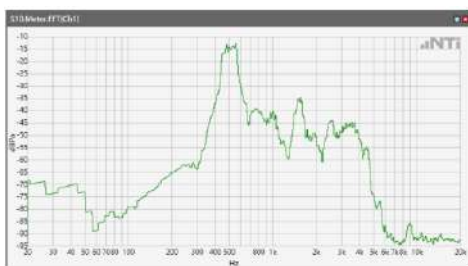
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



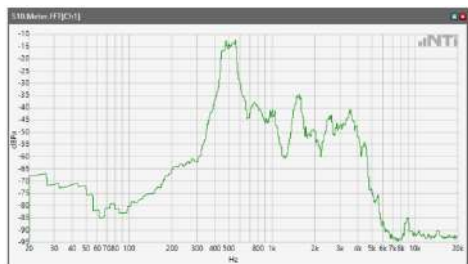
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



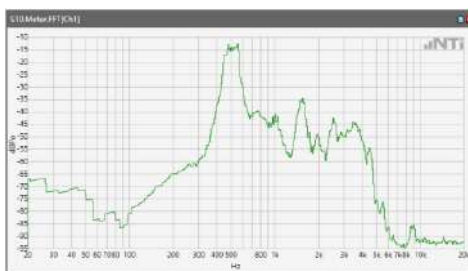
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



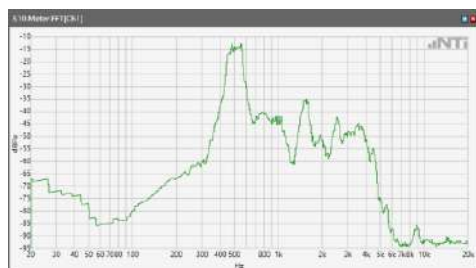
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



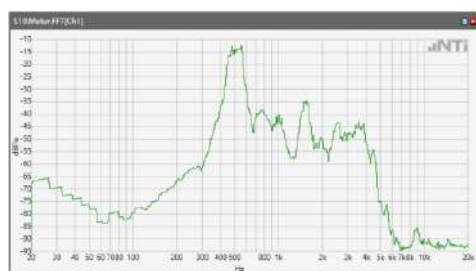
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



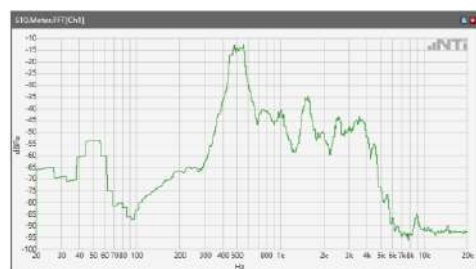
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 26



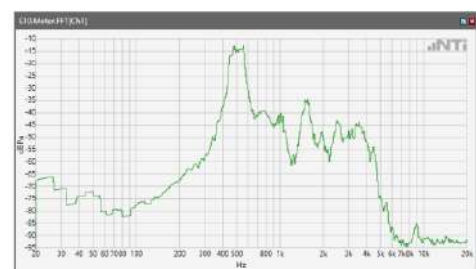
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 30



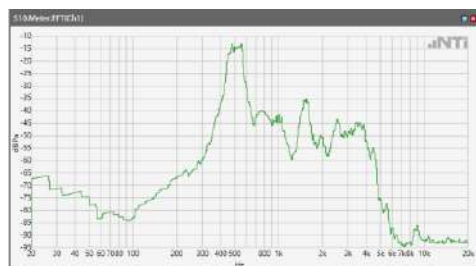
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 41



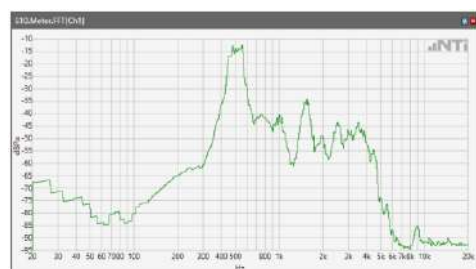
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 48



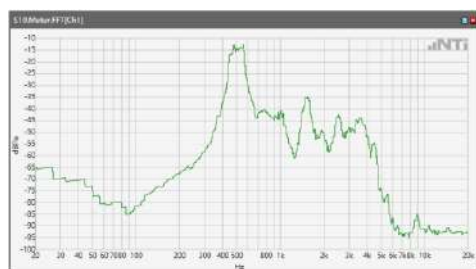
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



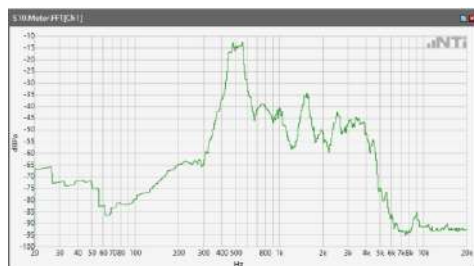
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\5GNR n7



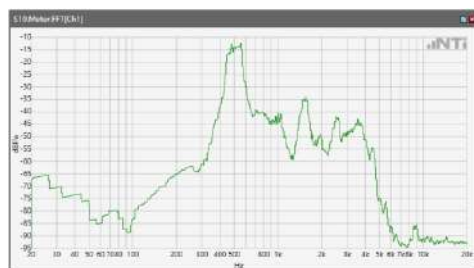
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\5GNR n25



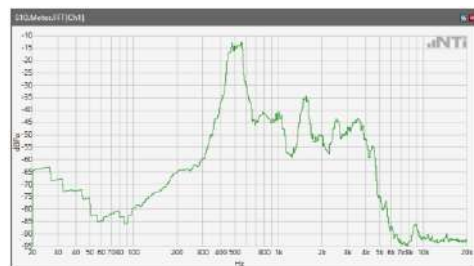
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n26



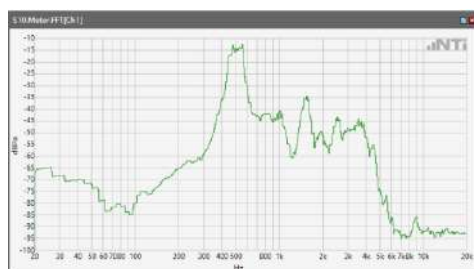
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n30



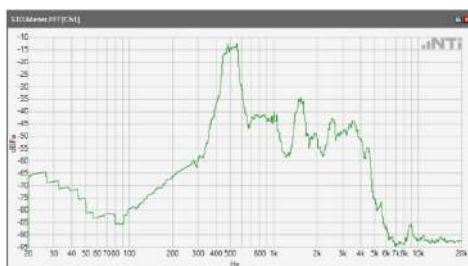
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n41



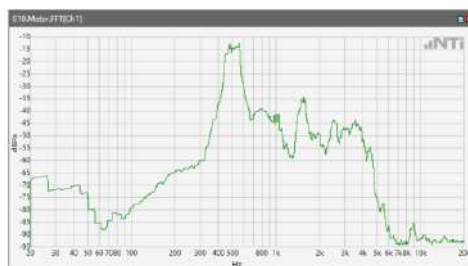
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n48



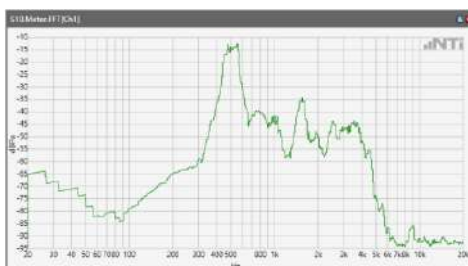
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n66



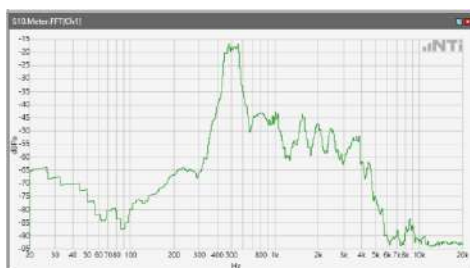
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n71



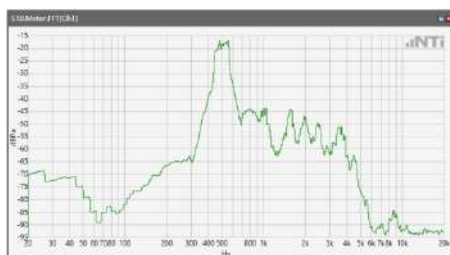
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n77



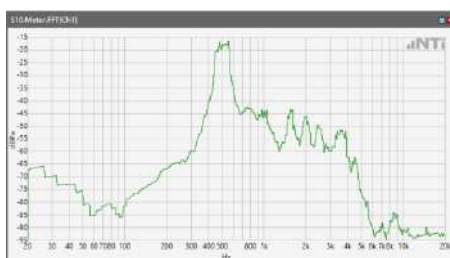
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



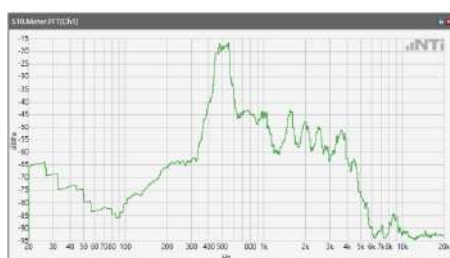
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



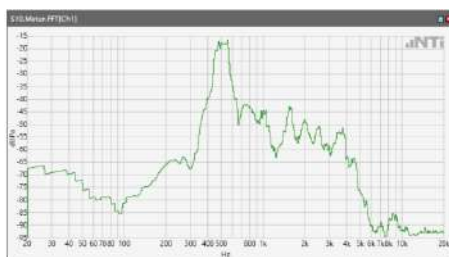
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



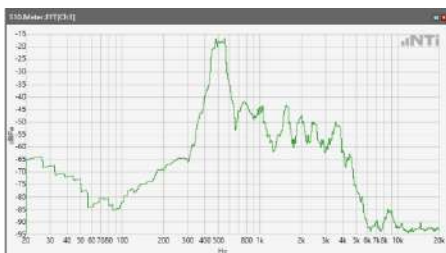
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



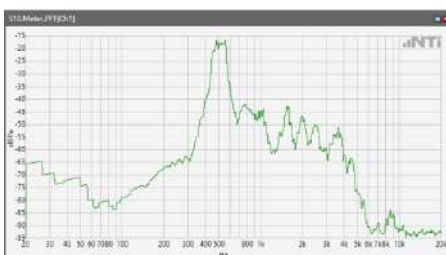
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



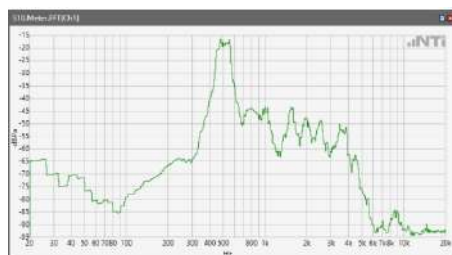
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



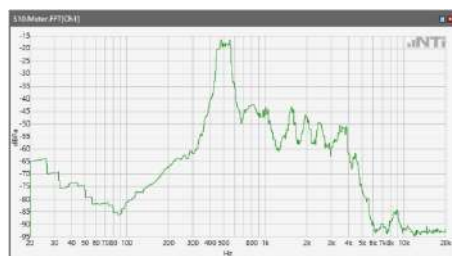
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 26



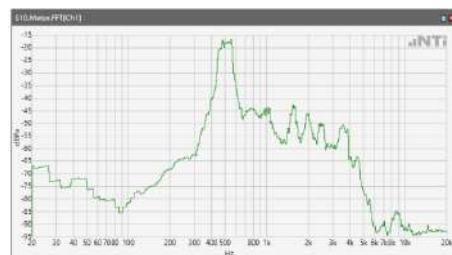
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 30



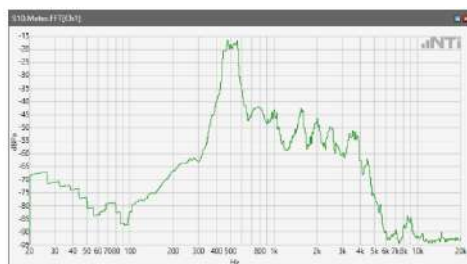
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 41



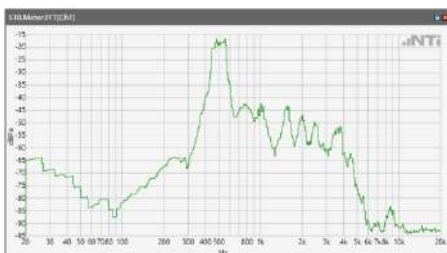
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 48



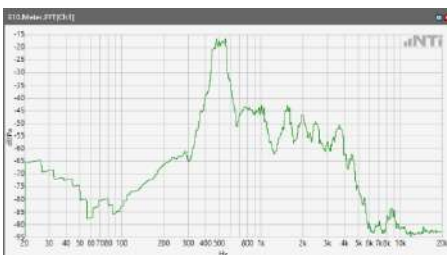
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



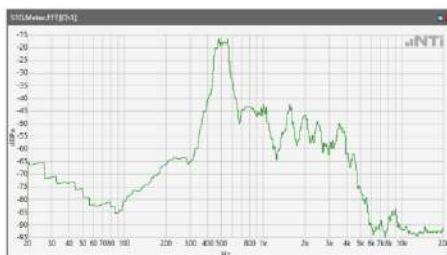
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



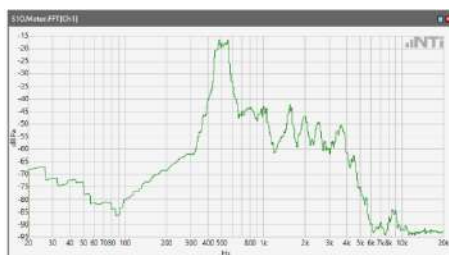
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



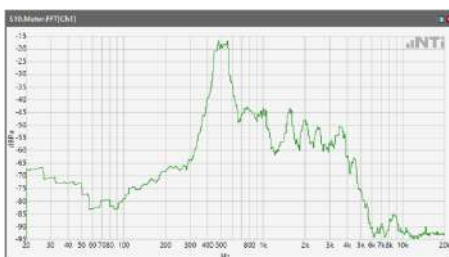
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



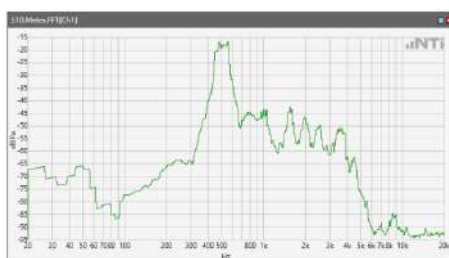
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n26



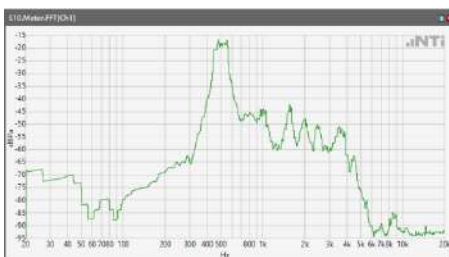
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n30



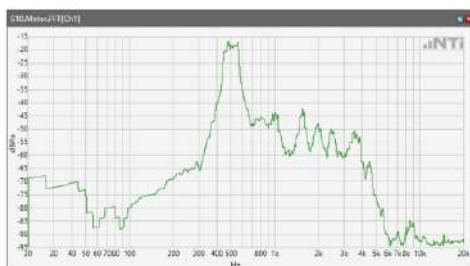
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n41



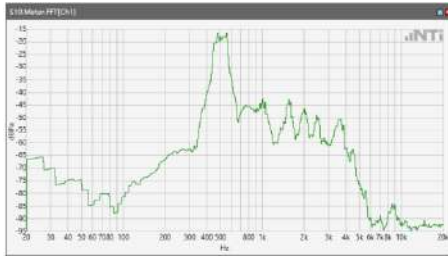
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n48



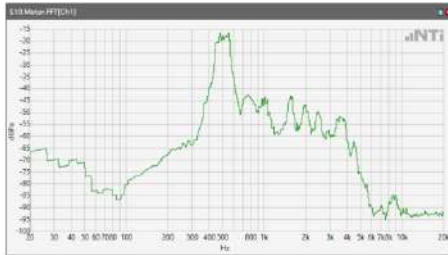
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n71

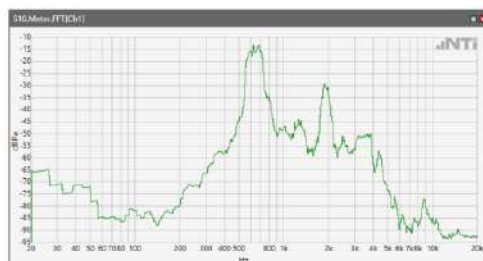


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n77

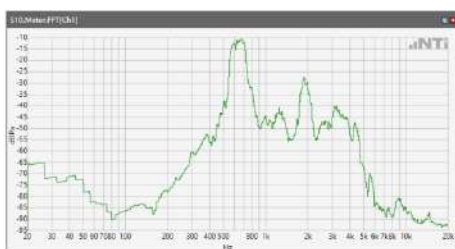


## 5.2 Receive path - distortion and noise 630Hz 8N&2N NB

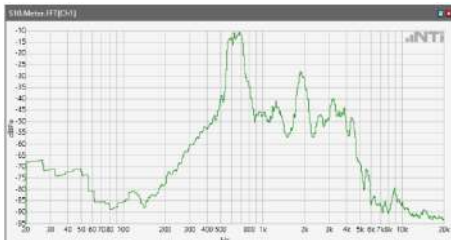
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



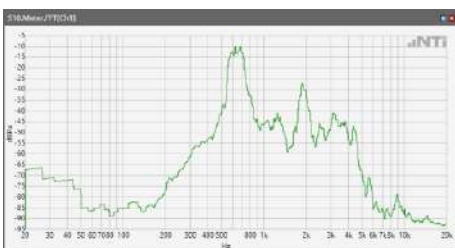
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



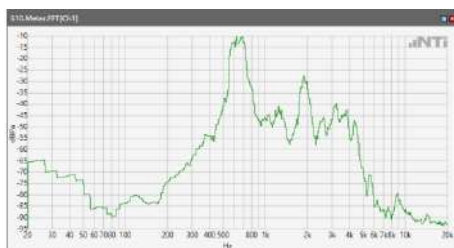
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



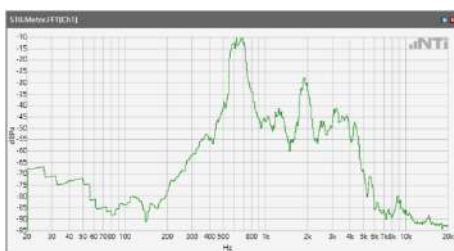
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



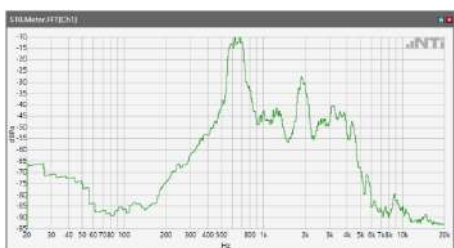
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



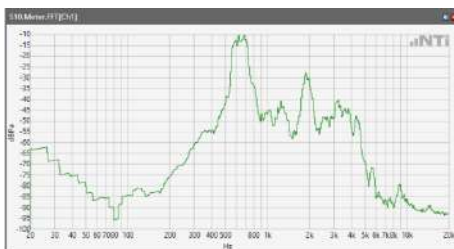
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



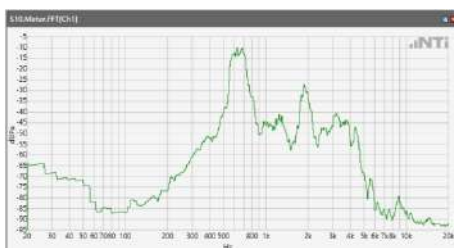
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



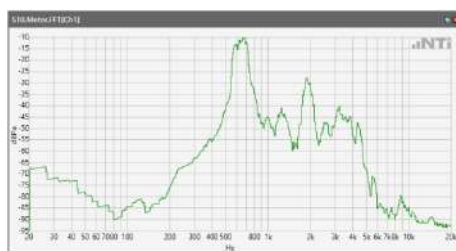
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



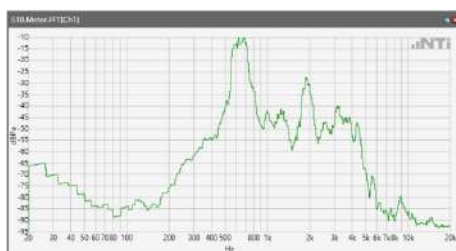
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



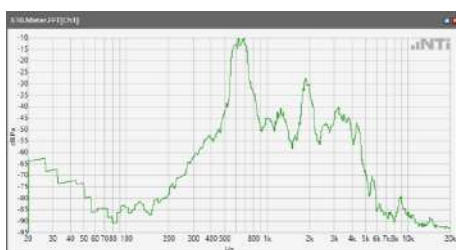
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



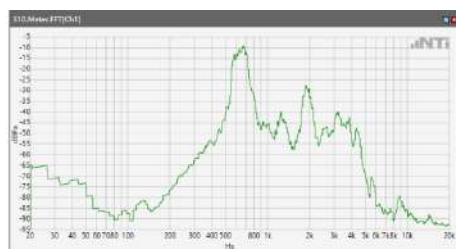
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



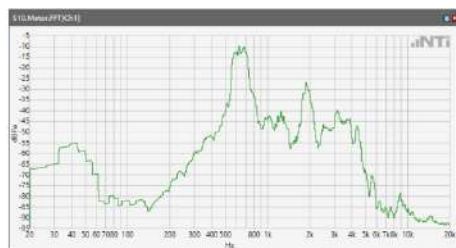
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



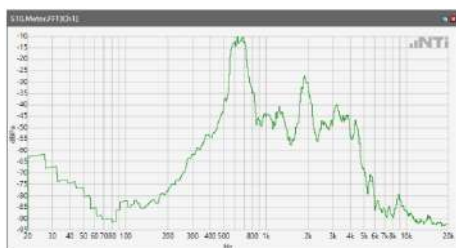
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



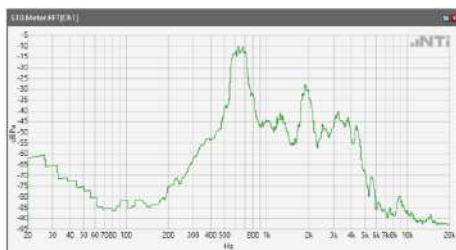
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



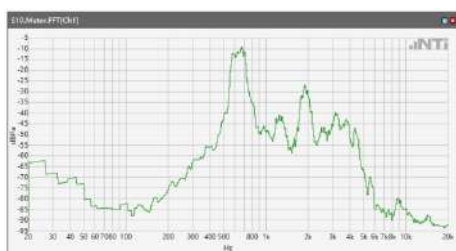
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n7



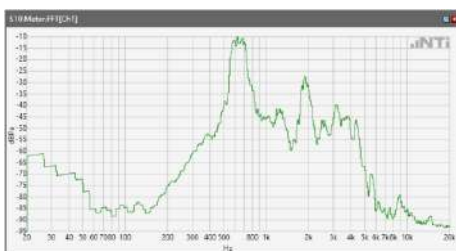
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n25



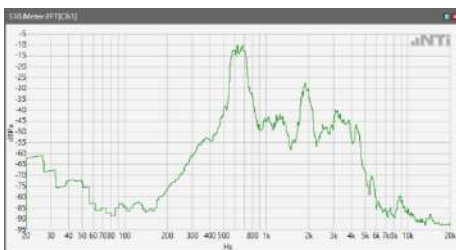
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



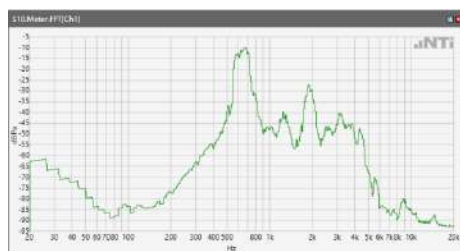
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



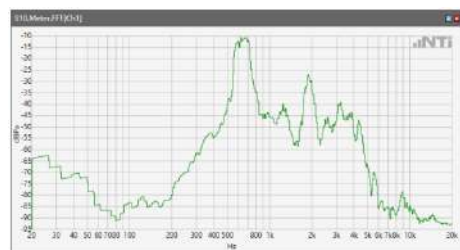
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



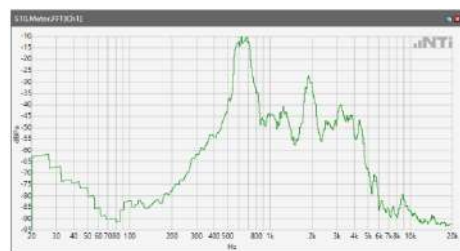
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



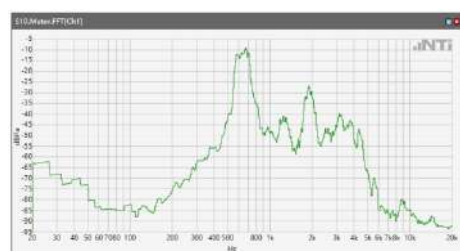
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



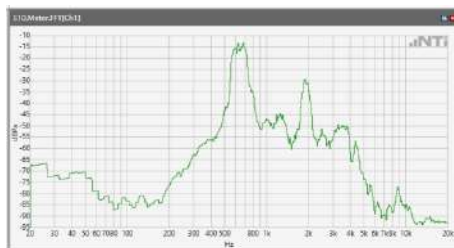
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71



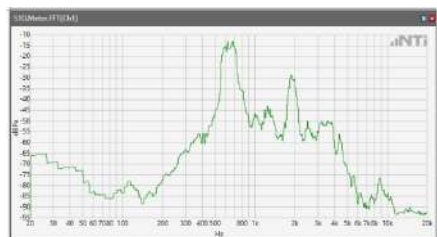
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77



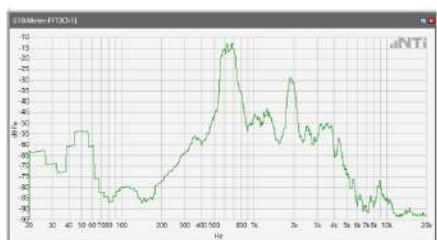
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



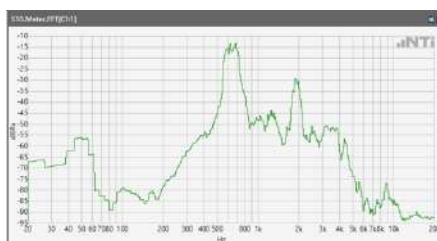
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



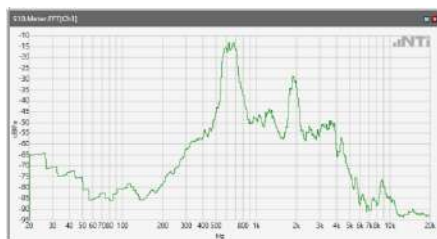
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



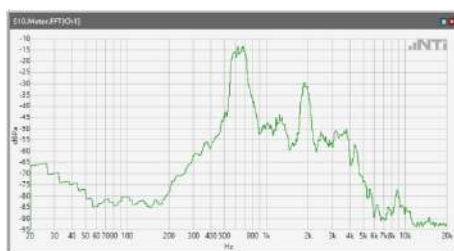
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



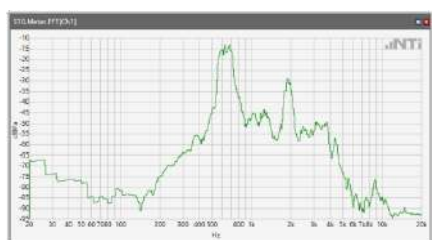
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



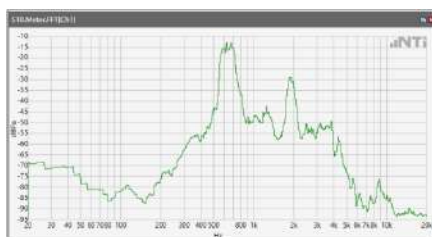
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



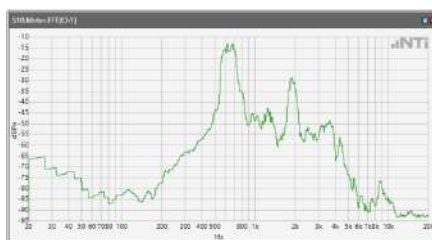
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



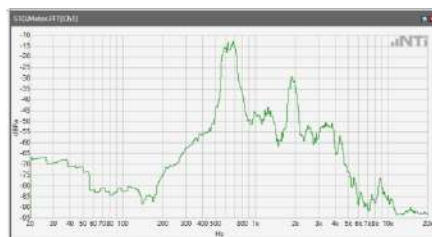
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



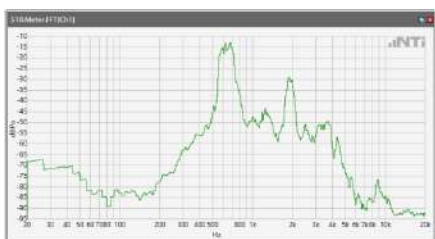
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 26



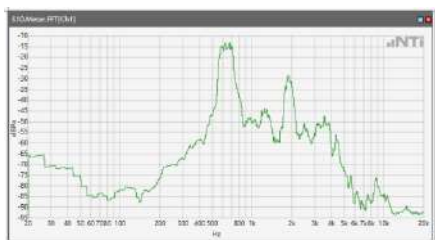
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



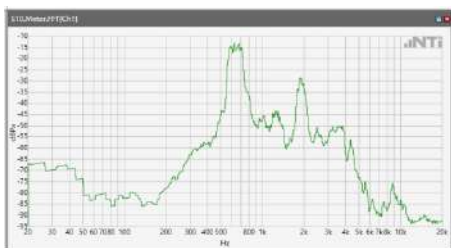
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



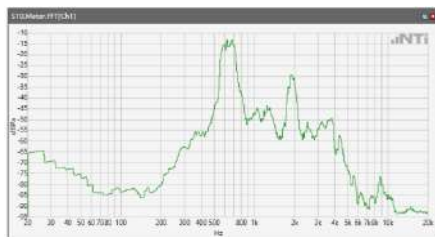
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



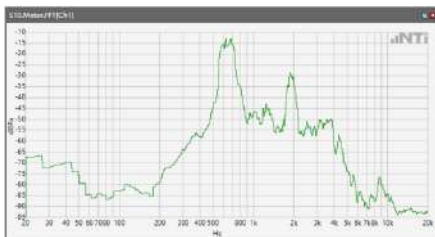
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



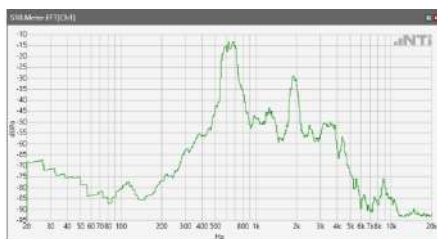
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR n7



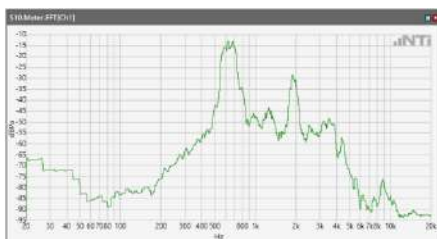
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n25



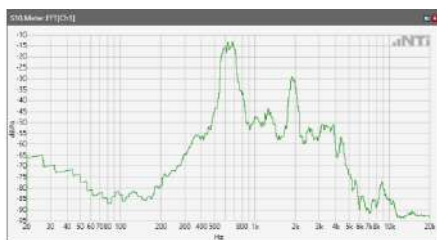
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



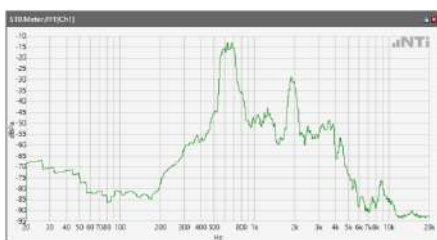
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



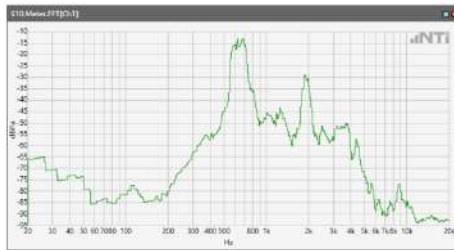
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



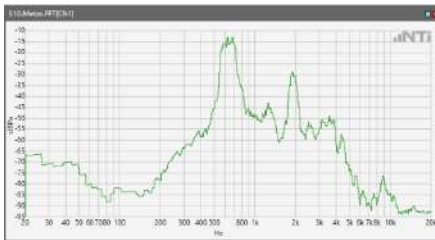
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



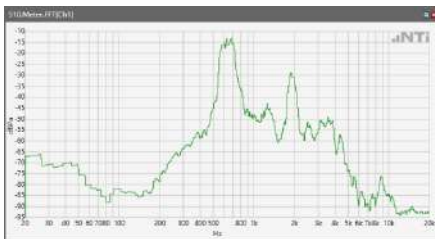
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71

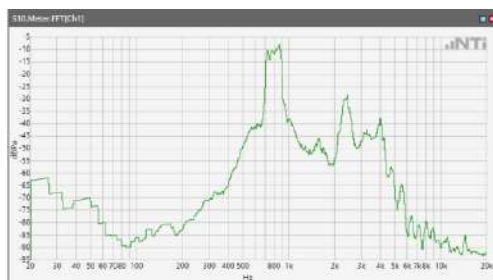


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77

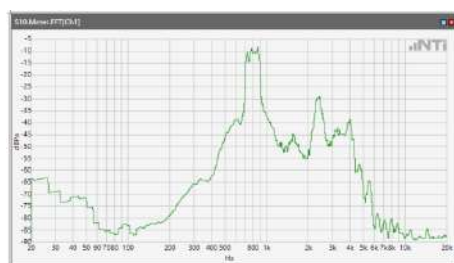


## 5.2 Receive path - distortion and noise 800Hz 8N&2N NB

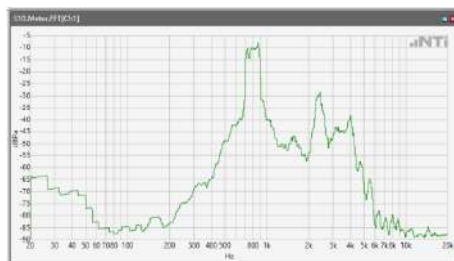
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



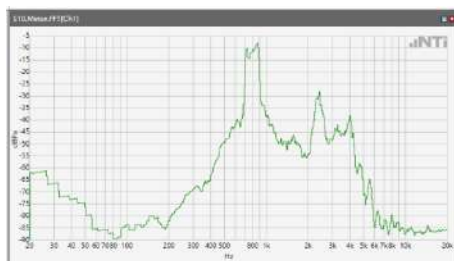
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



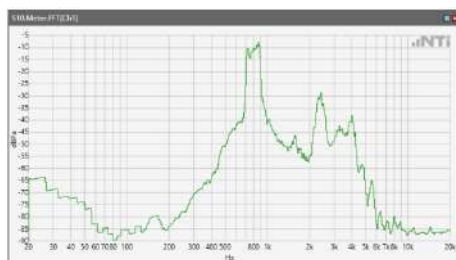
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



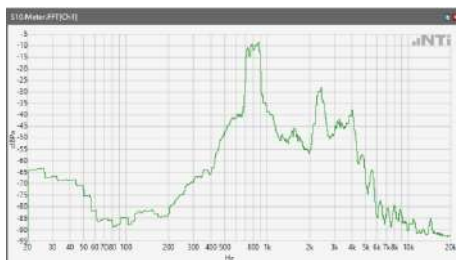
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



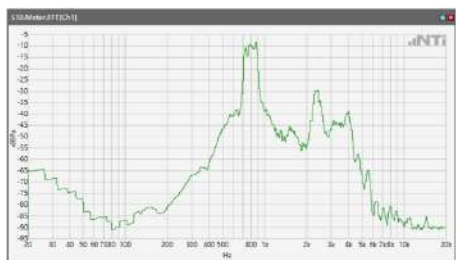
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



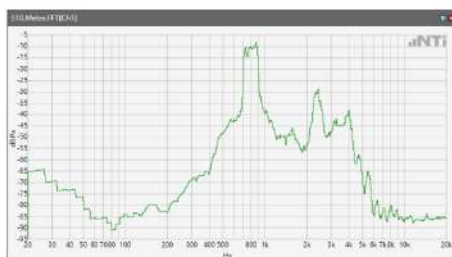
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



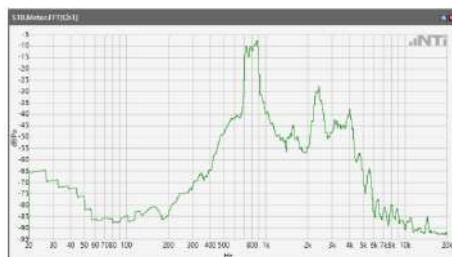
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



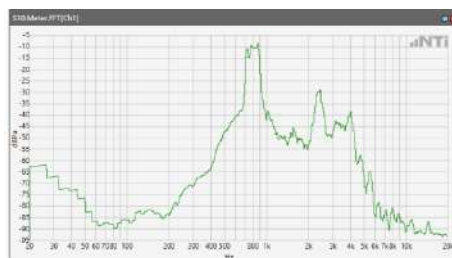
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



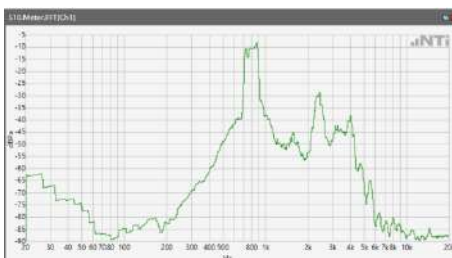
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



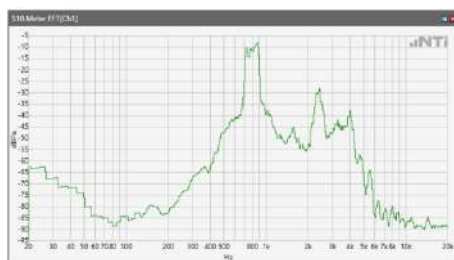
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



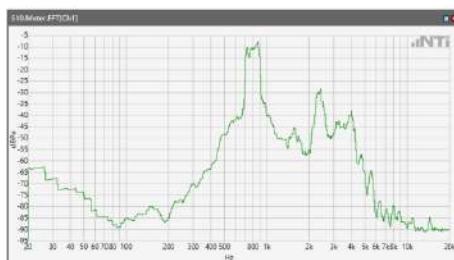
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



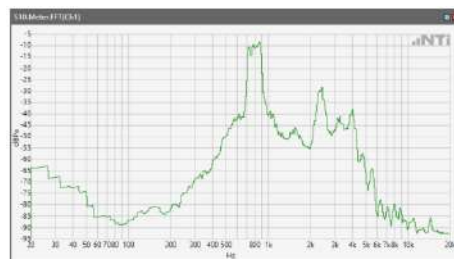
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



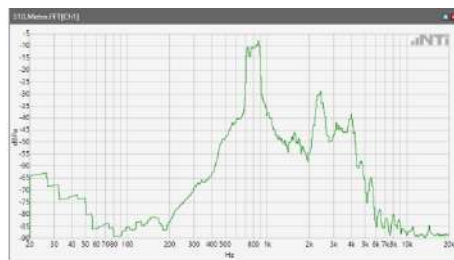
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



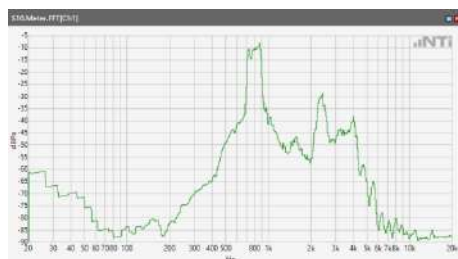
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



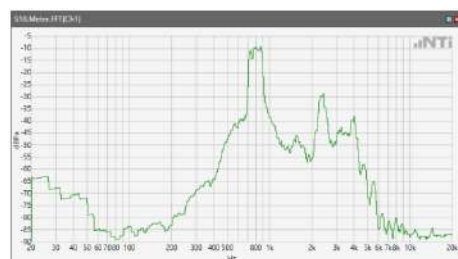
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n26



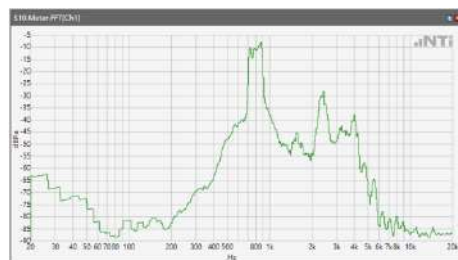
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n30



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n41



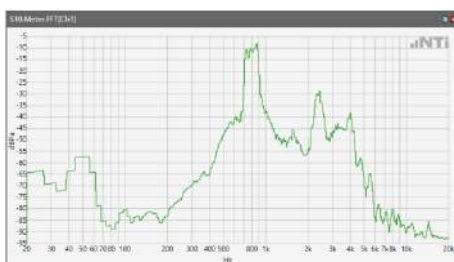
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n48



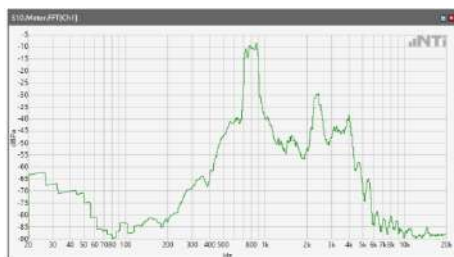
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



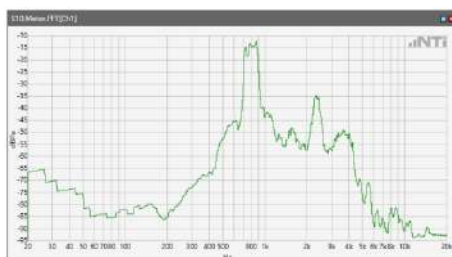
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71



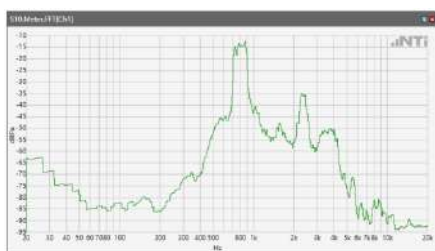
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77



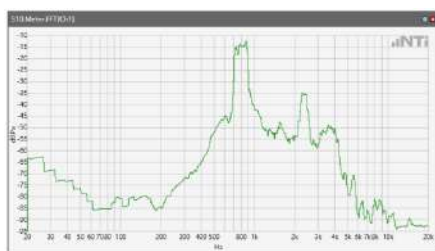
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



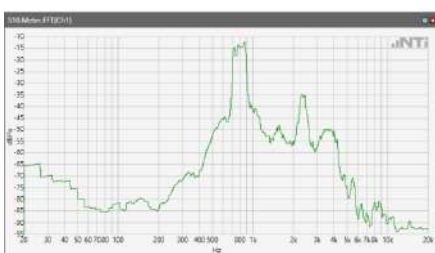
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



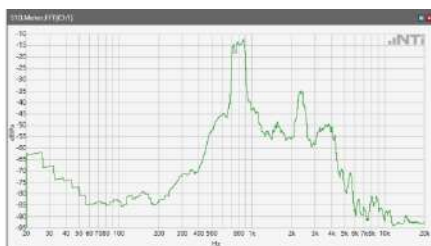
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



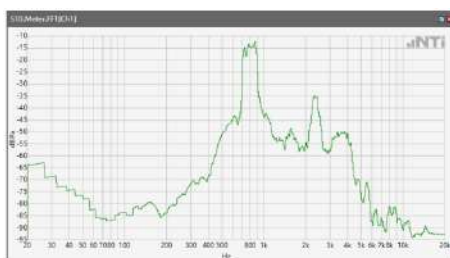
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



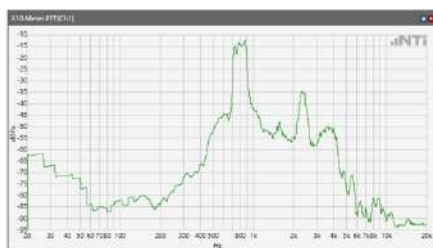
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



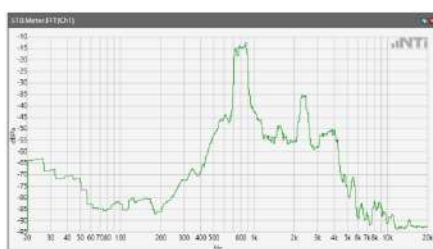
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



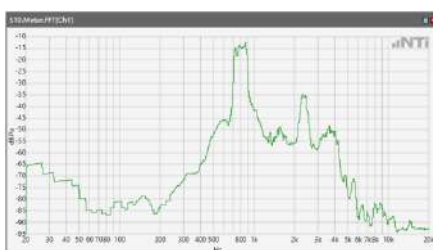
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



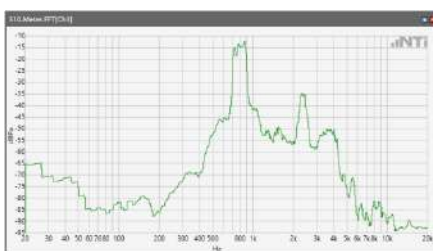
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



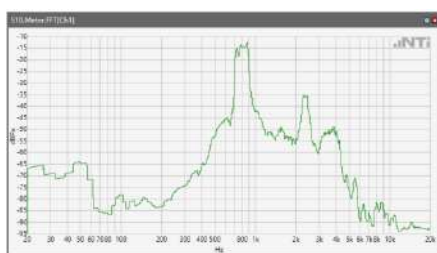
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



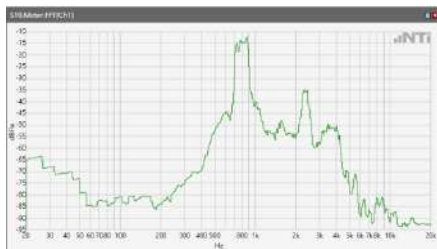
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



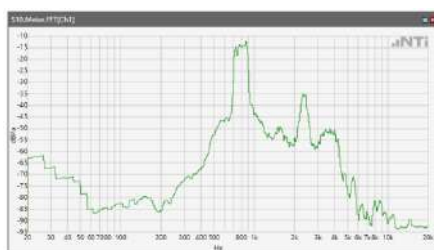
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



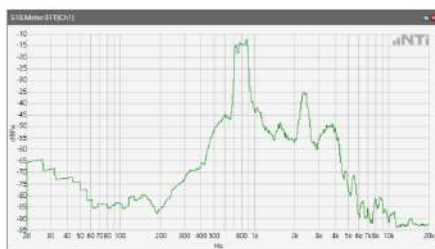
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



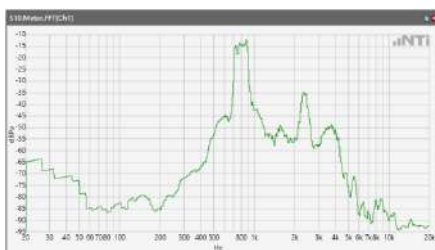
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



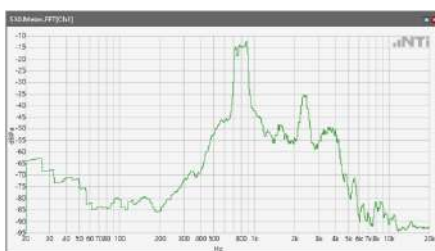
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



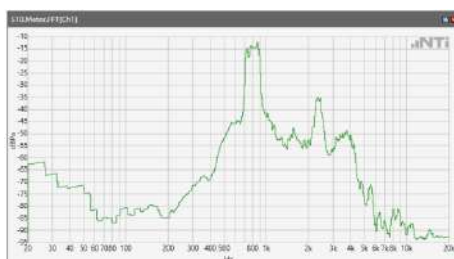
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



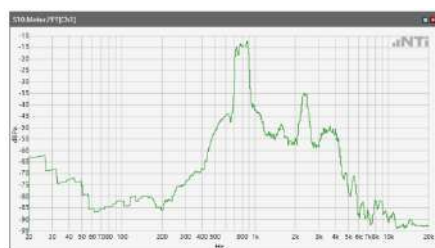
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR n71

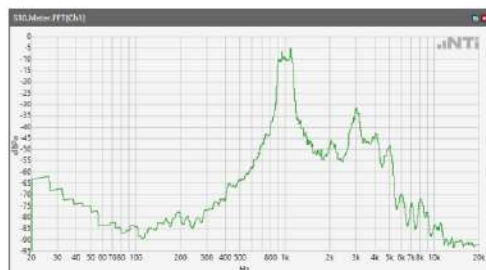


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR n77

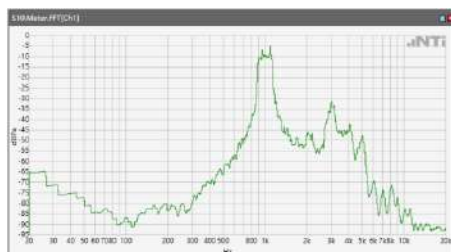


## 5.2Receive path - distortion and noise 1000Hz 8N&2N NB

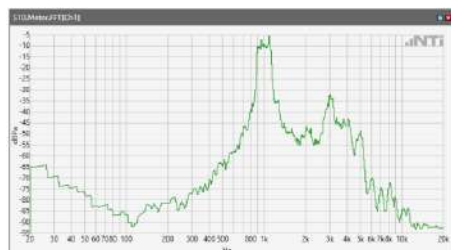
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



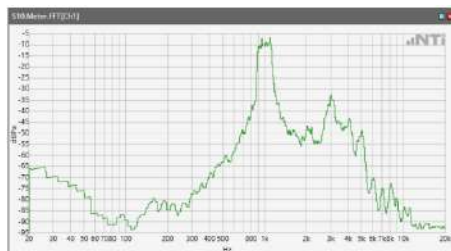
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



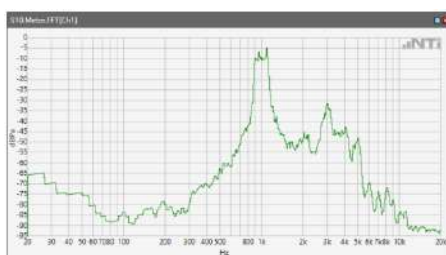
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



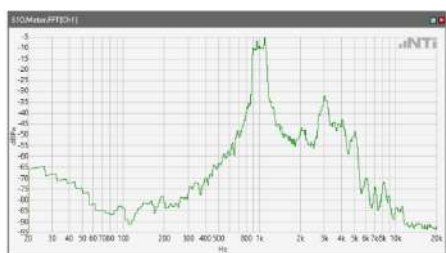
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



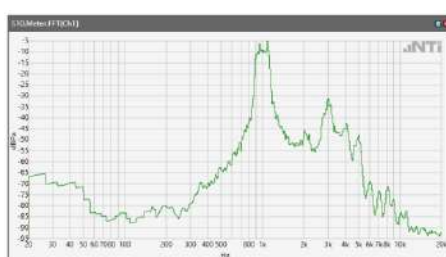
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



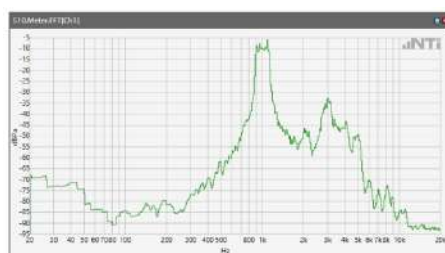
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



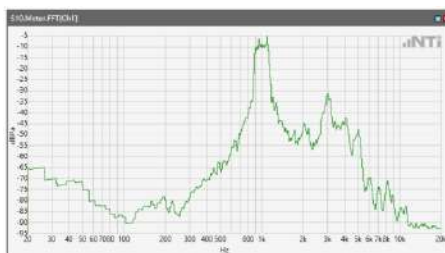
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



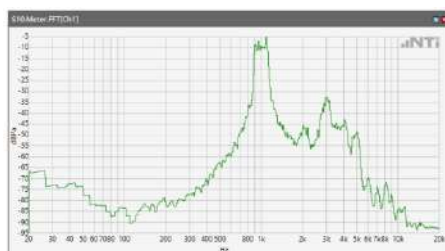
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



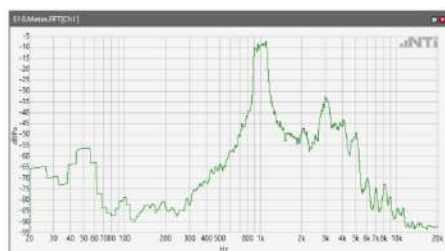
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



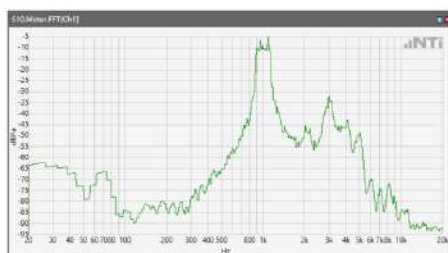
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



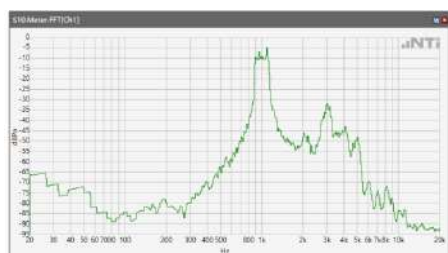
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



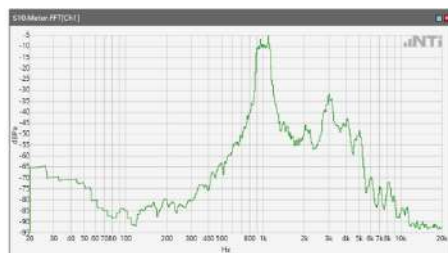
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



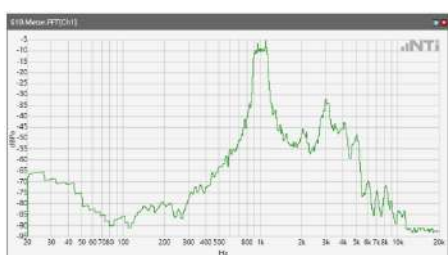
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



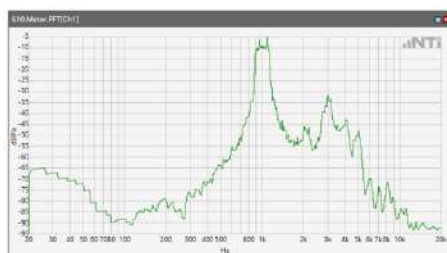
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



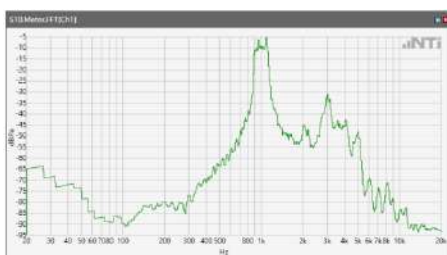
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



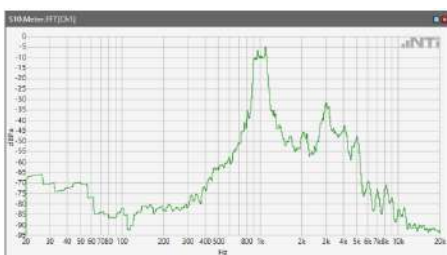
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



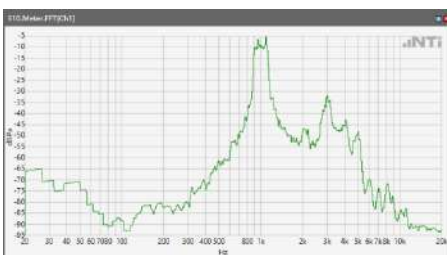
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



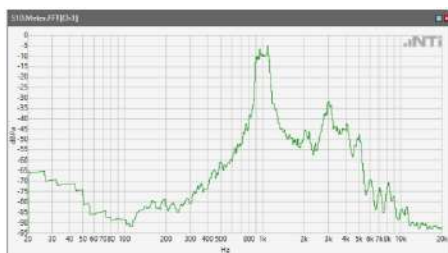
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



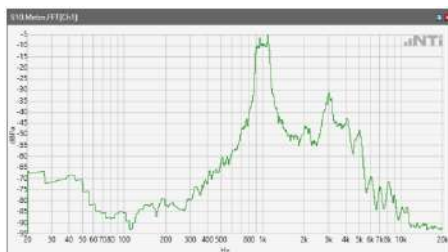
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



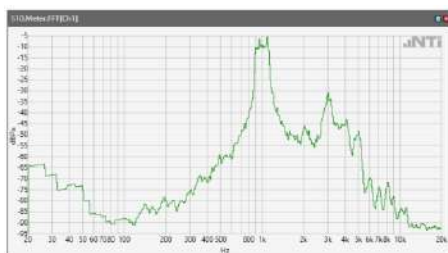
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



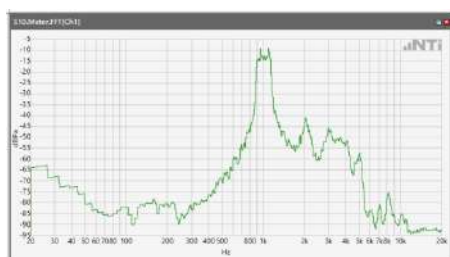
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71



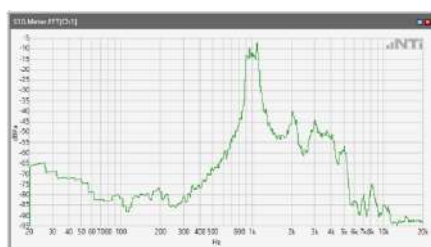
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77



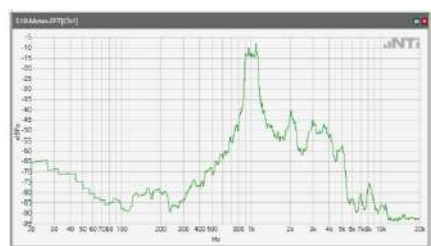
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



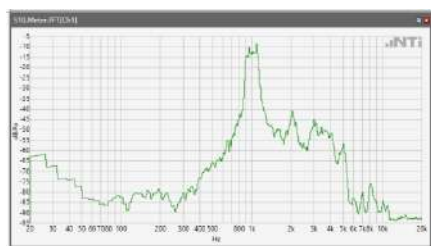
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



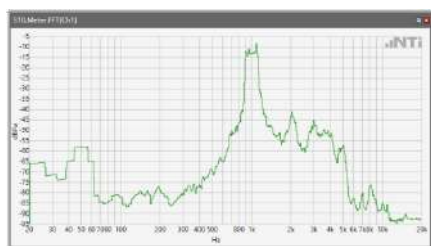
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



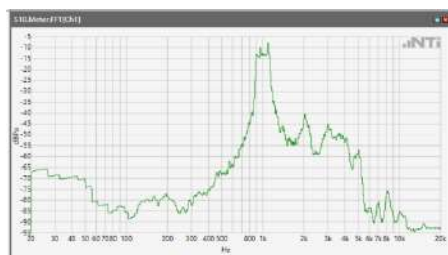
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



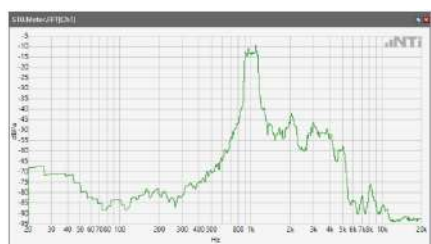
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



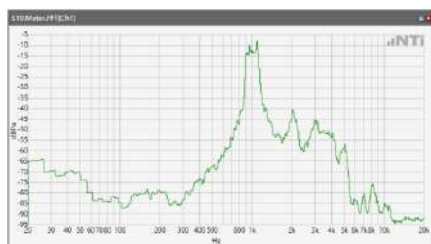
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



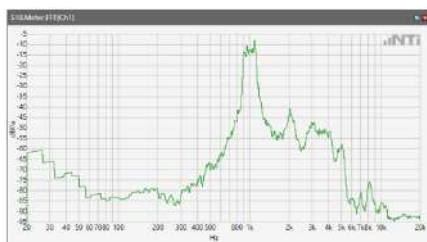
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



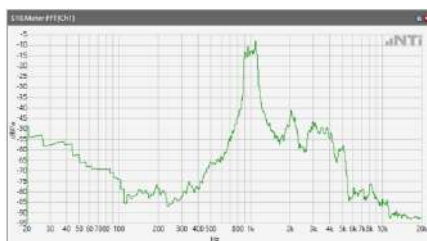
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



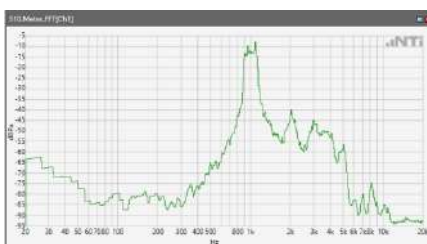
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



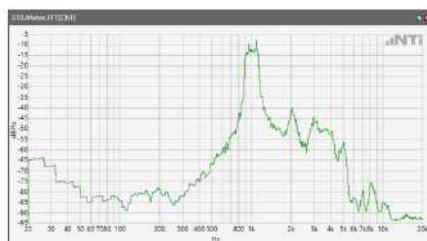
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



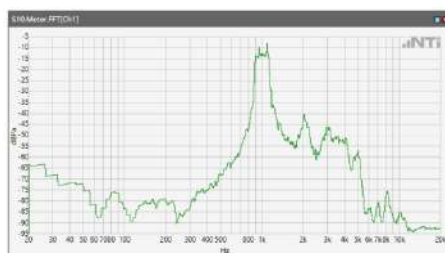
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



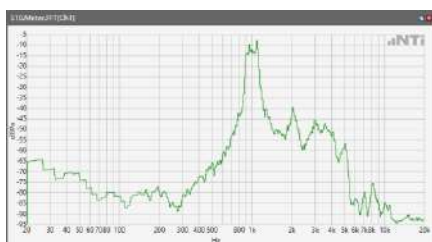
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



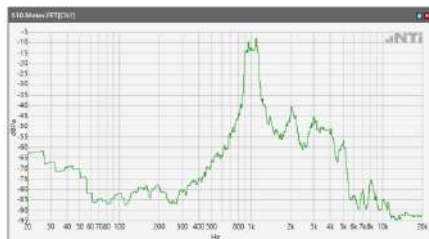
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



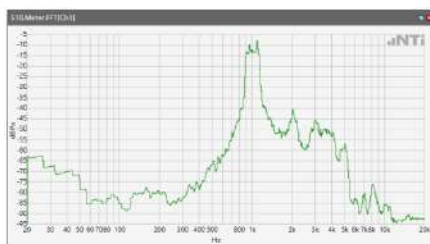
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



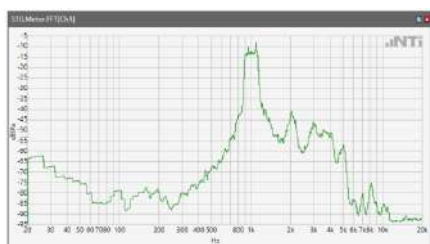
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



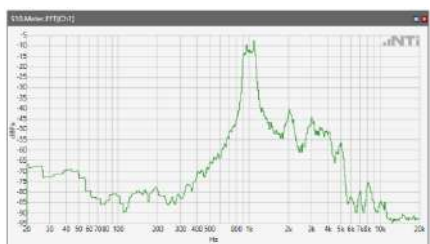
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



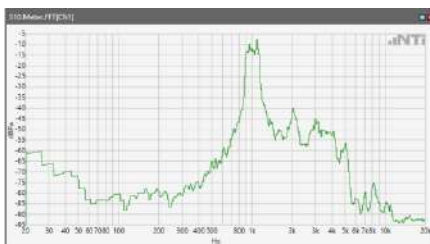
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



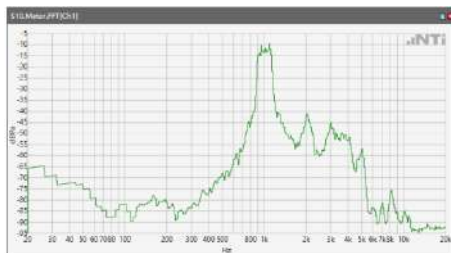
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



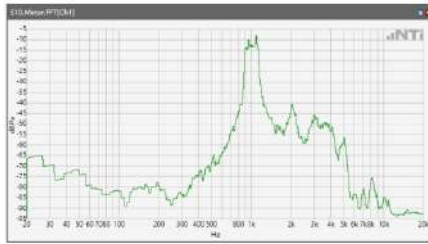
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



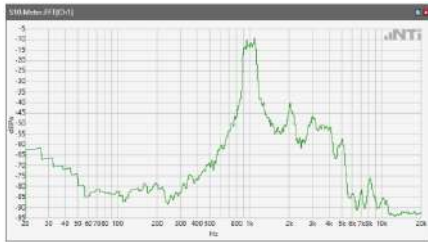
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n71

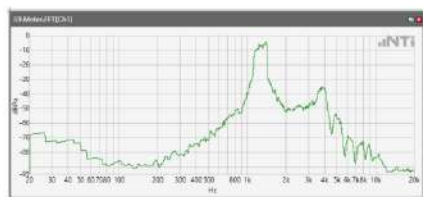


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n77

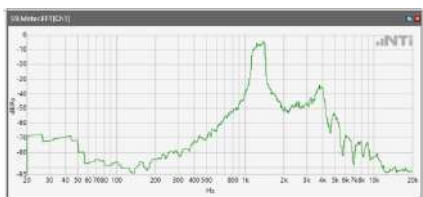


## 5.2 Receive path - distortion and noise 1250Hz 8N&2N NB

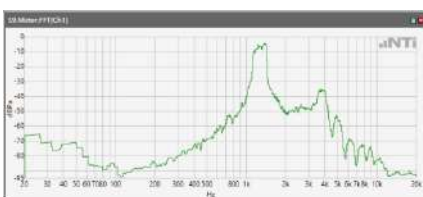
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



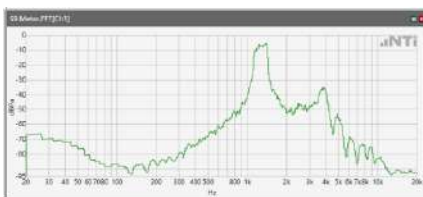
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



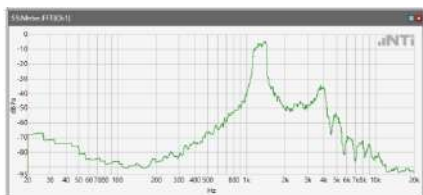
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



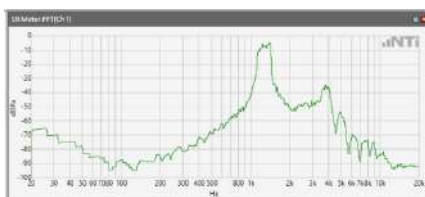
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



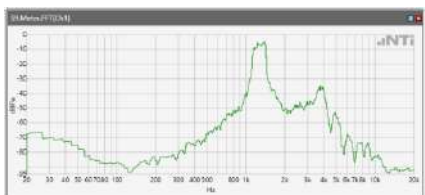
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



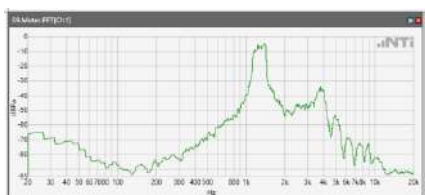
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



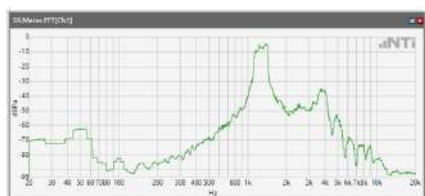
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



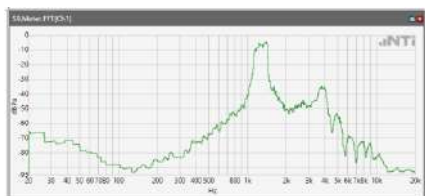
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



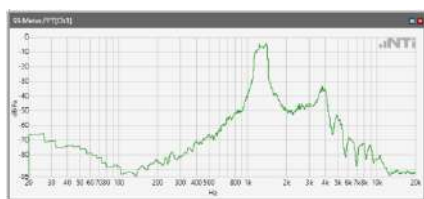
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



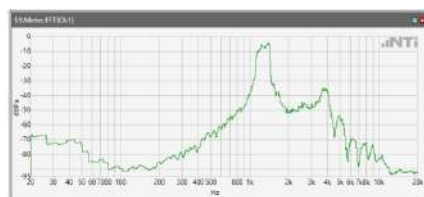
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



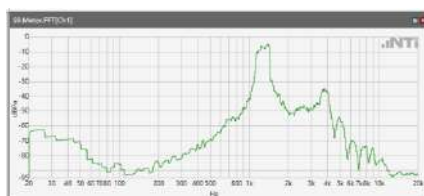
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



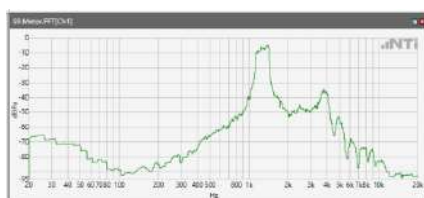
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



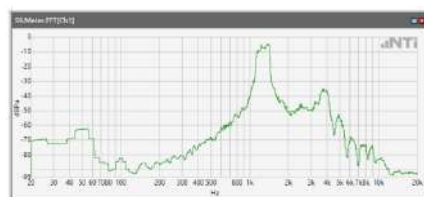
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



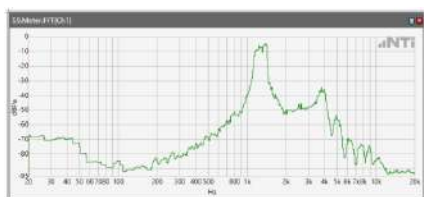
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



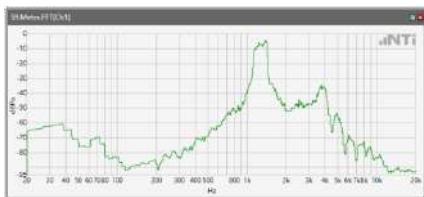
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



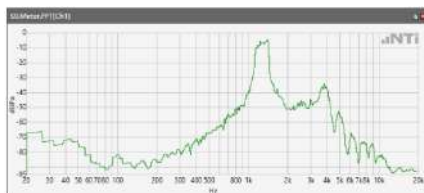
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n25



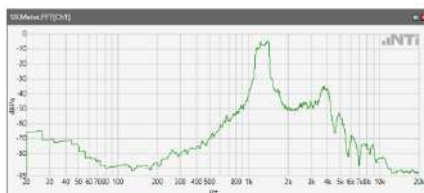
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



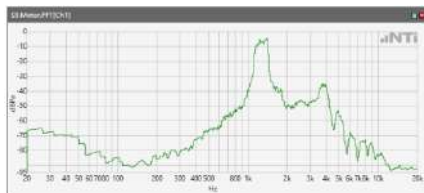
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



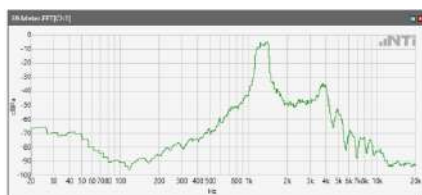
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



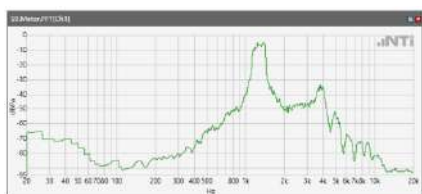
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



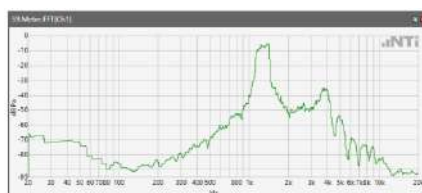
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n66



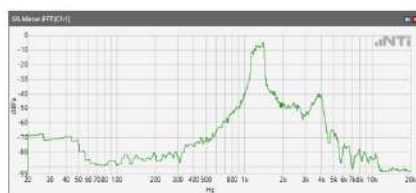
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n71



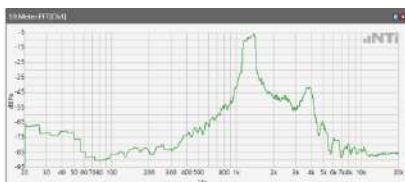
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n77



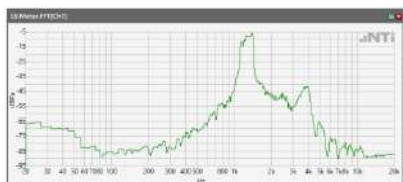
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



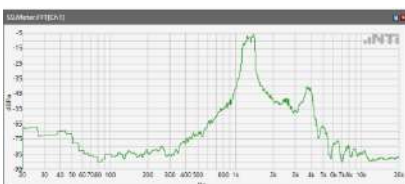
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



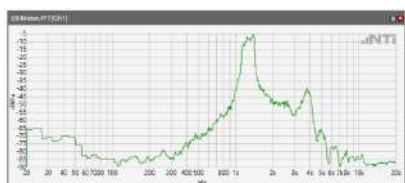
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



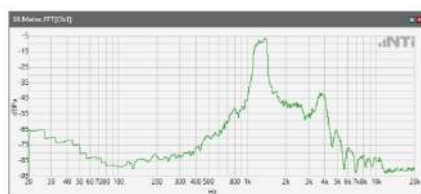
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



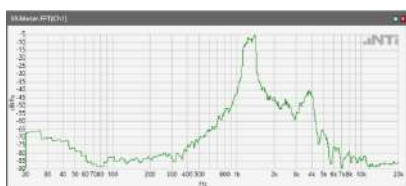
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



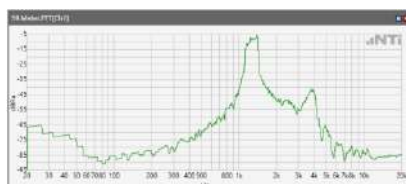
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



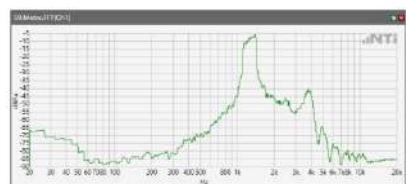
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



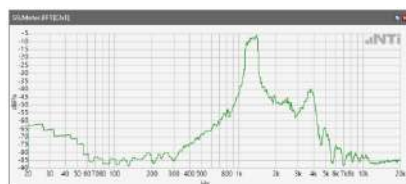
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



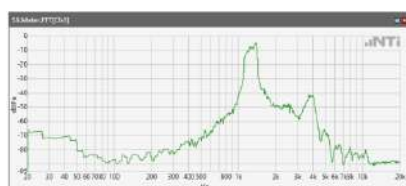
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



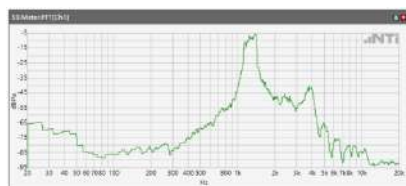
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



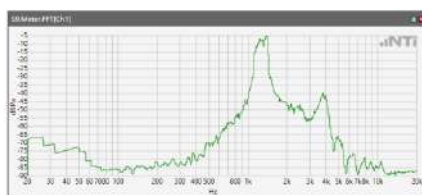
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



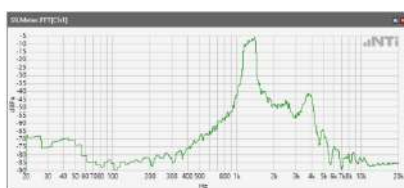
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



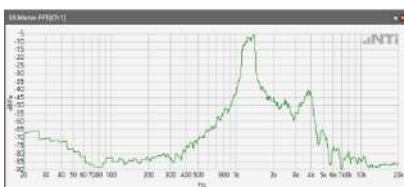
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



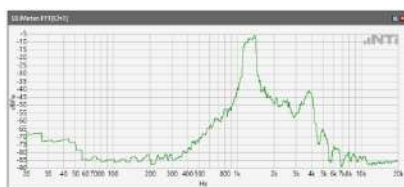
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



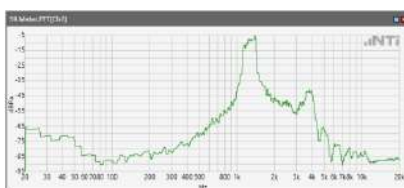
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



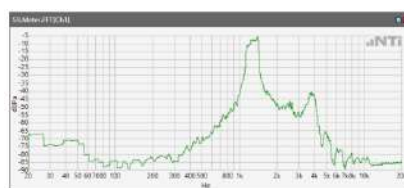
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



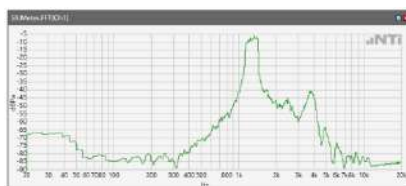
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n26



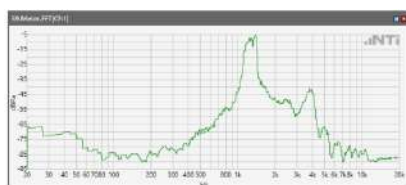
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n30



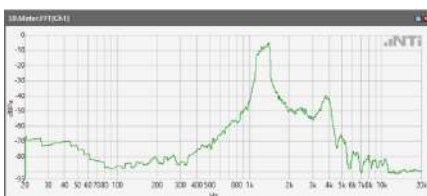
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



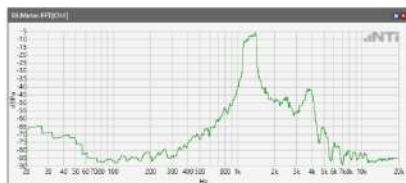
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



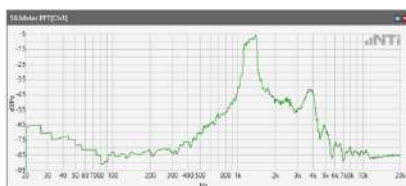
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71

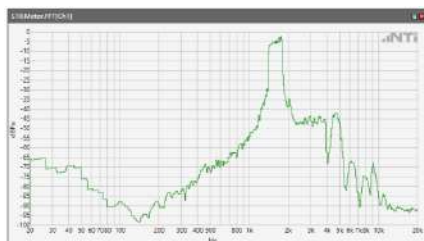


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77

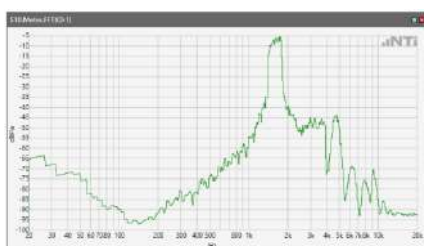


## 5.2 Receive path - distortion and noise 1600Hz 8N&2N NB

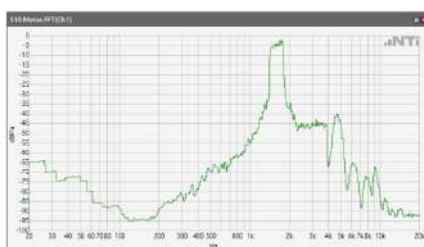
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



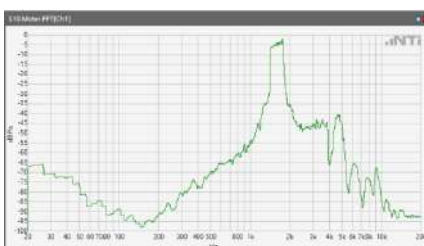
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



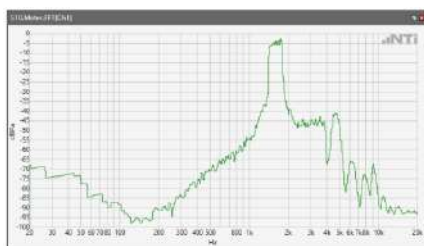
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



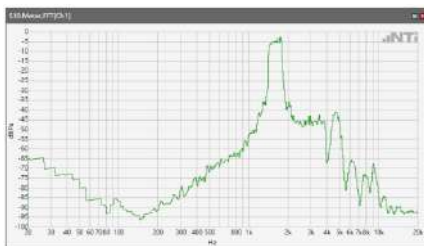
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



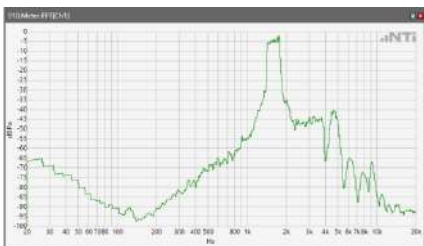
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



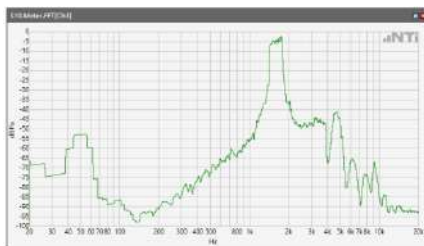
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



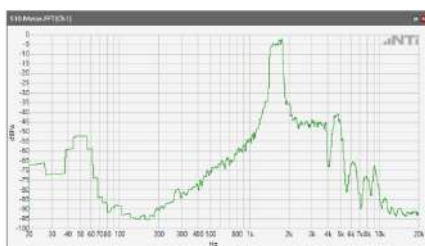
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



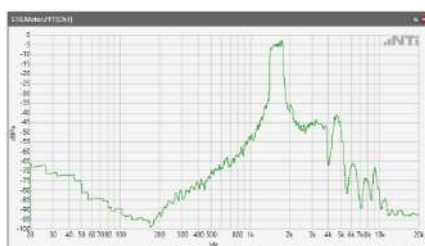
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



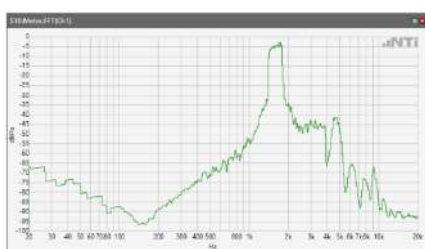
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



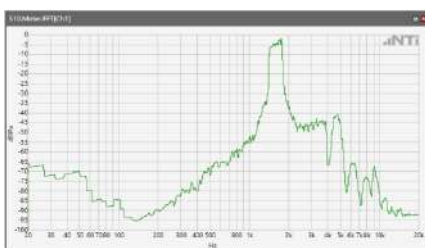
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



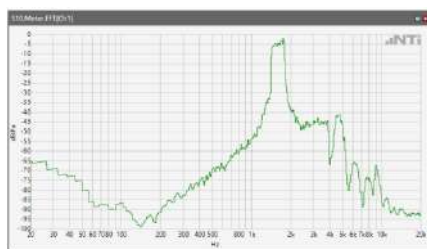
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



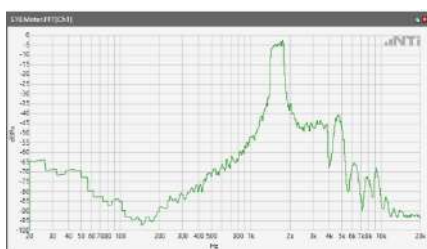
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



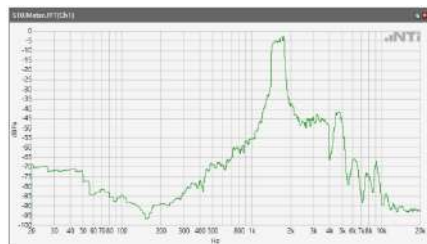
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



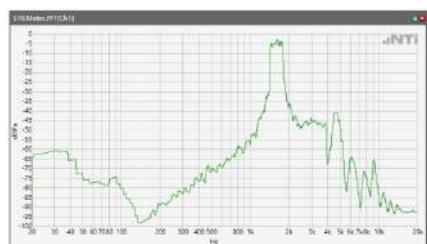
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



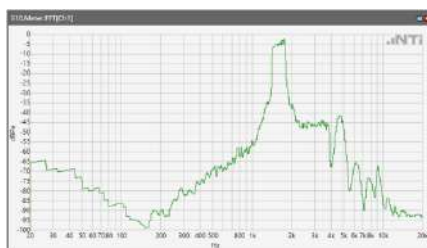
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



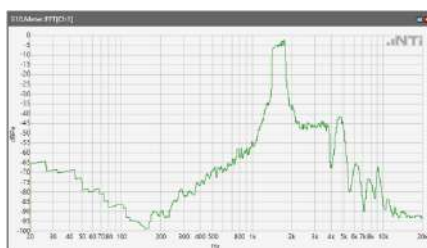
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



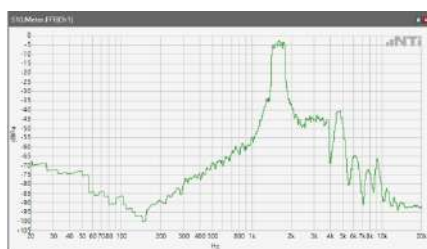
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



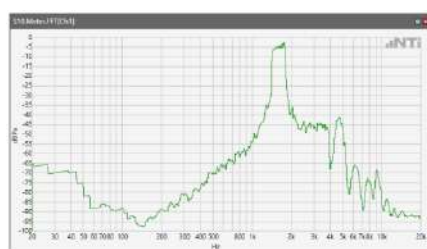
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



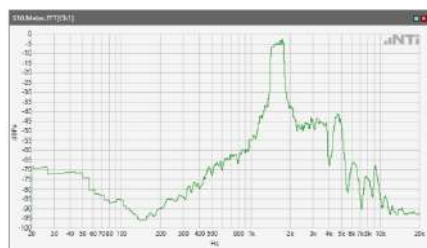
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



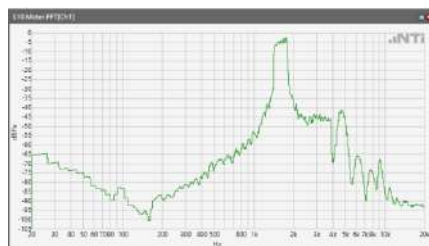
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



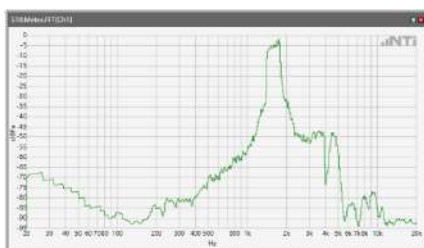
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n71



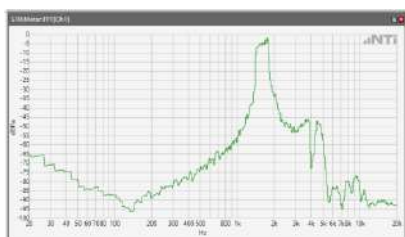
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n77



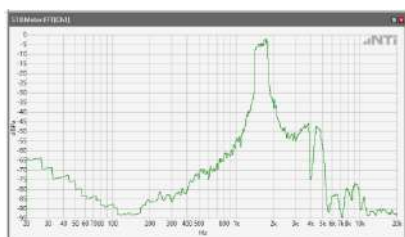
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



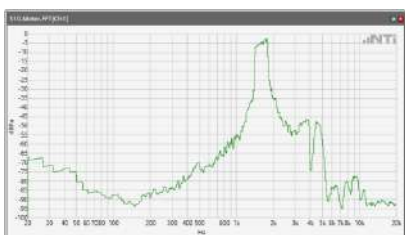
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



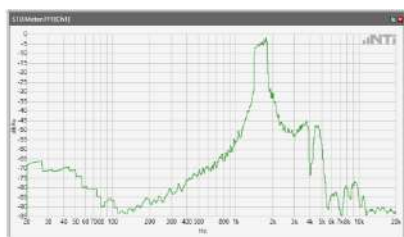
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



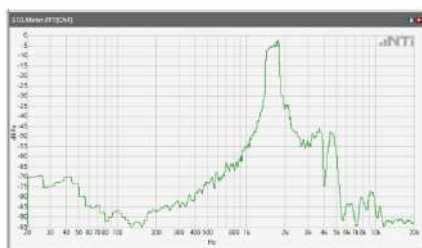
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



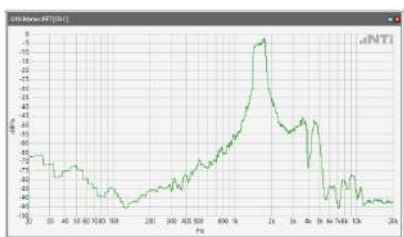
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



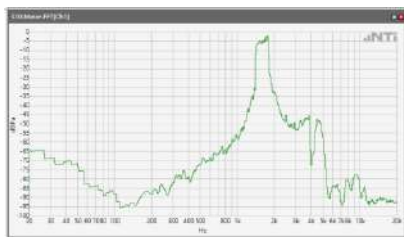
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



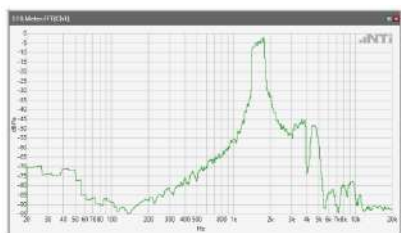
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



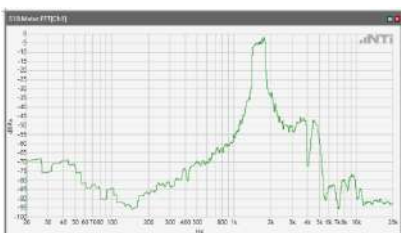
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



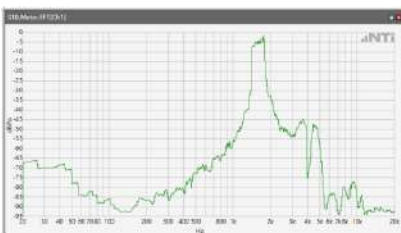
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



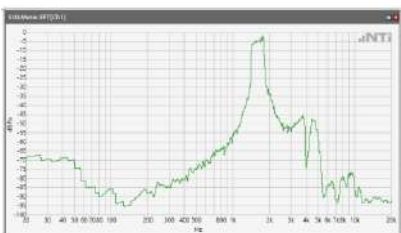
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



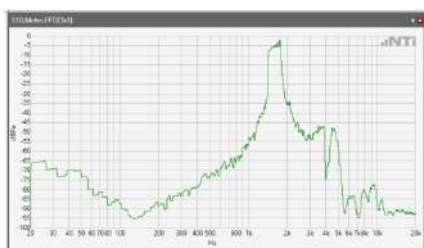
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



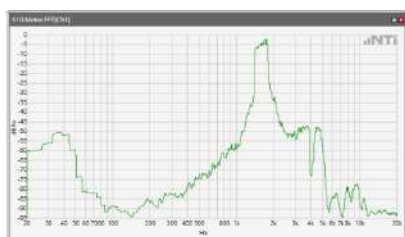
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



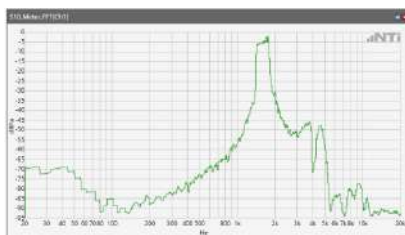
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



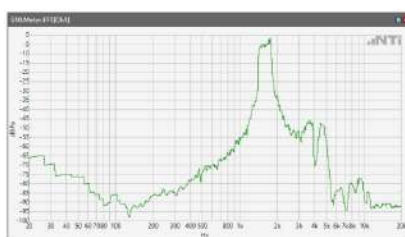
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



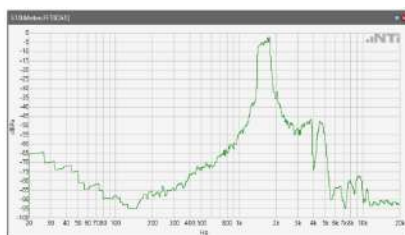
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



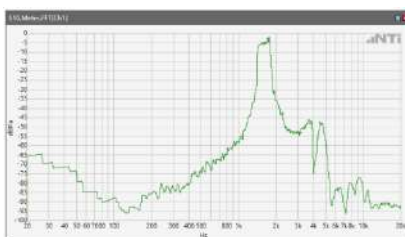
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



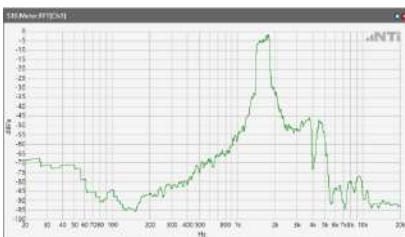
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



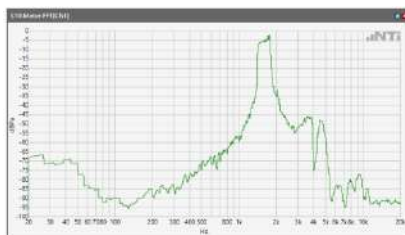
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



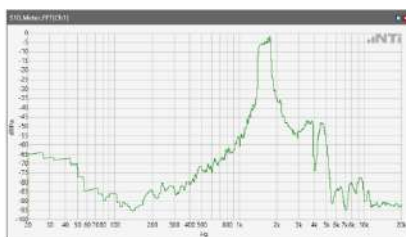
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



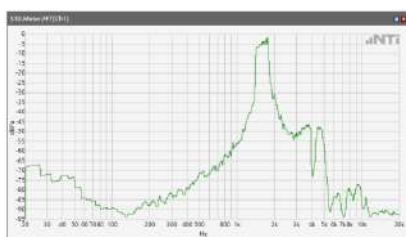
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n71

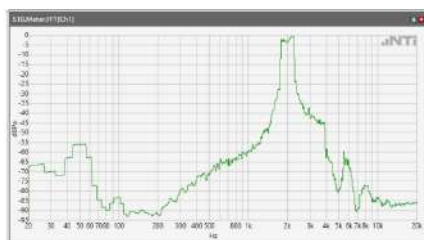


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR  
n77

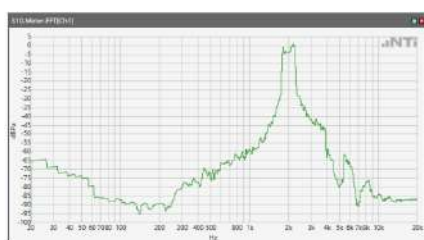


## 5.2 Receive path - distortion and noise 2000Hz 8N&2N NB

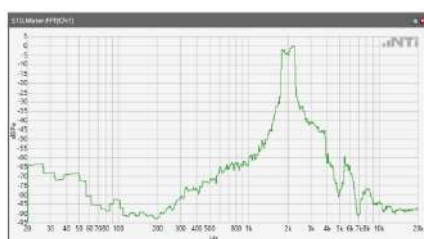
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



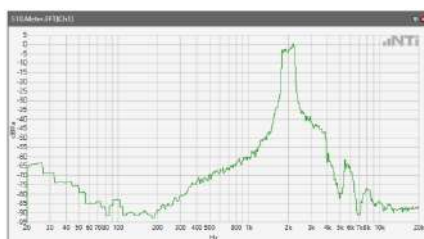
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



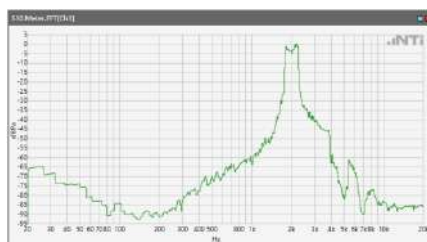
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



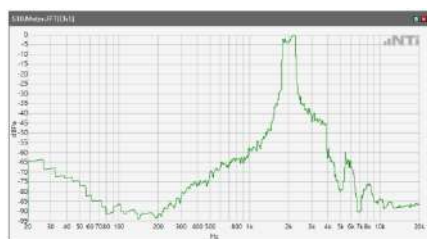
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



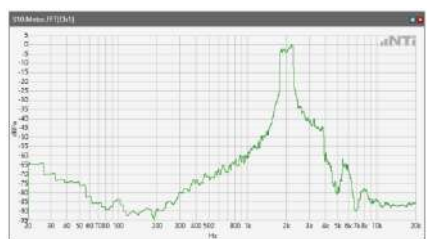
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



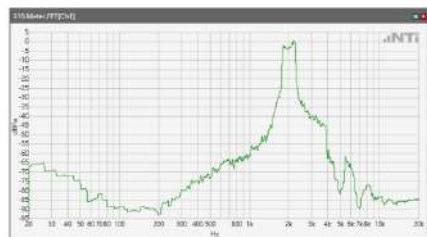
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



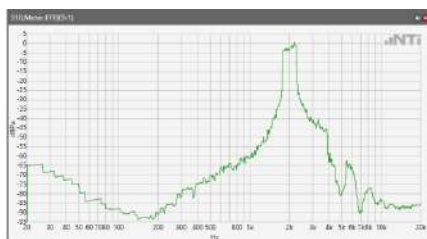
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



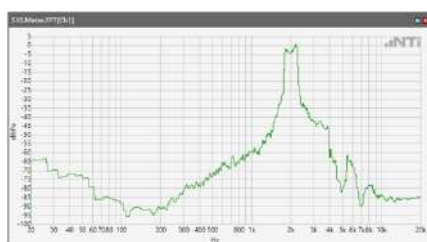
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



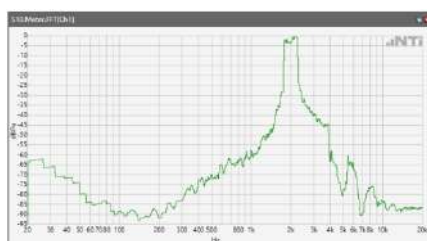
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



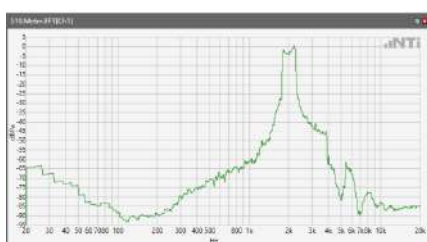
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



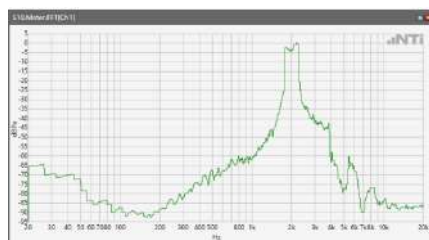
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



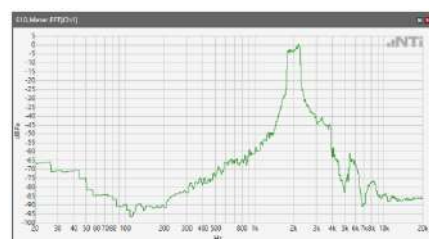
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



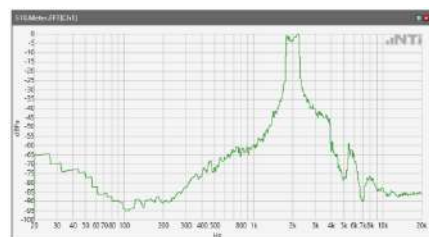
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



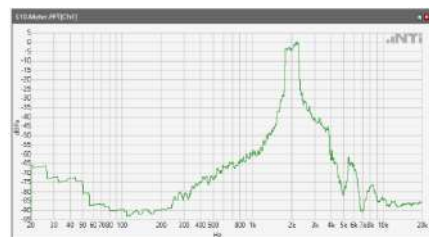
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



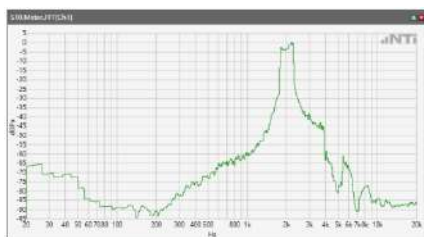
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



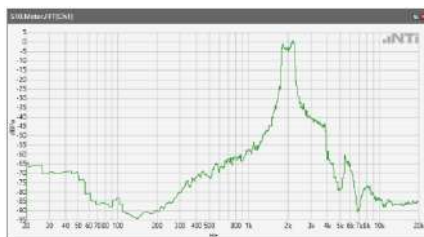
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



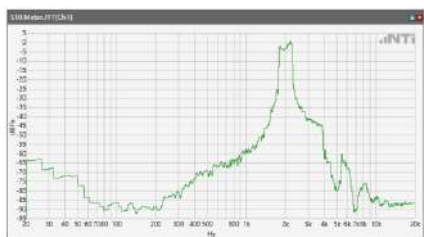
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



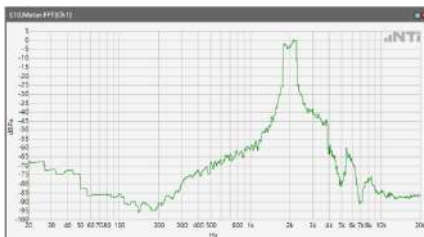
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



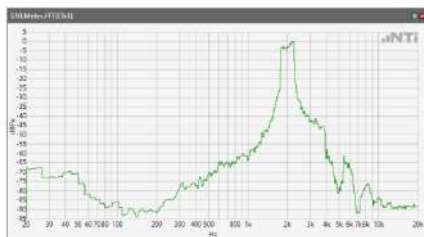
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



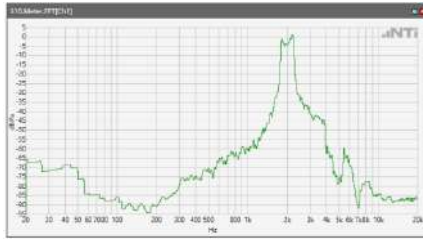
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



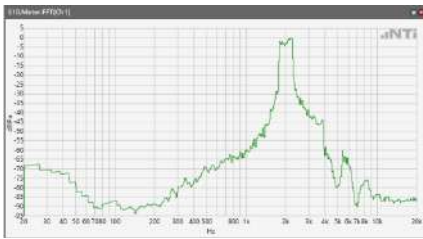
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



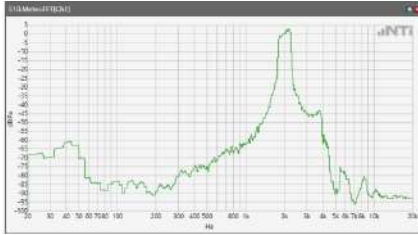
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71



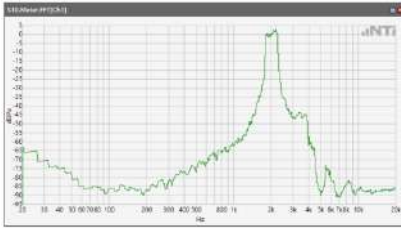
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77



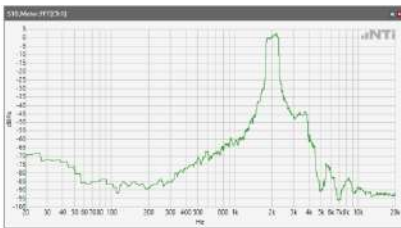
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



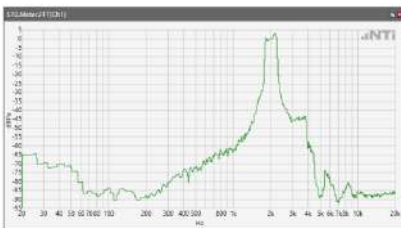
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



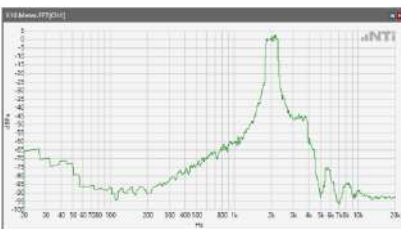
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



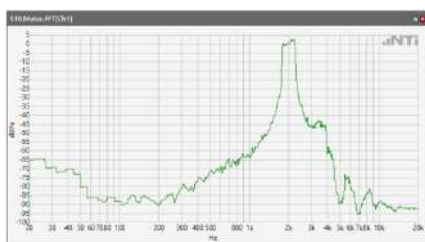
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



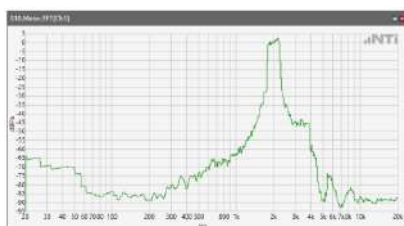
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



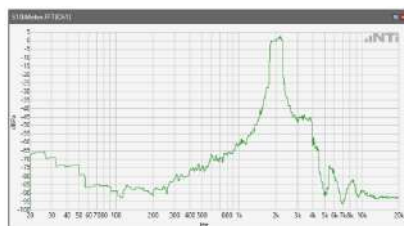
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



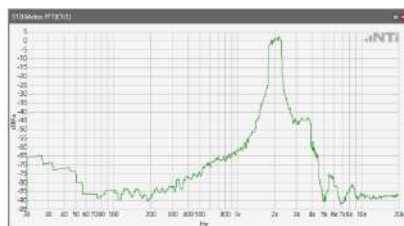
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



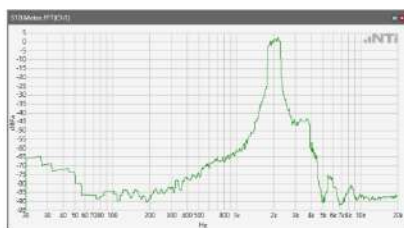
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



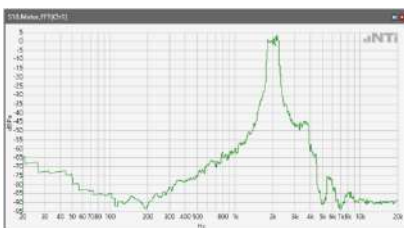
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



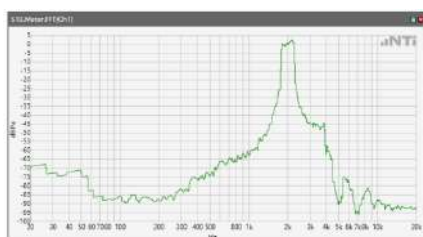
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



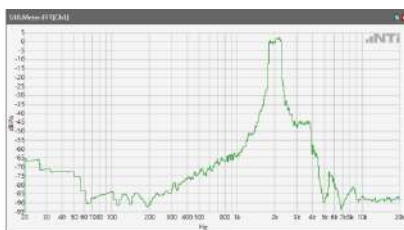
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



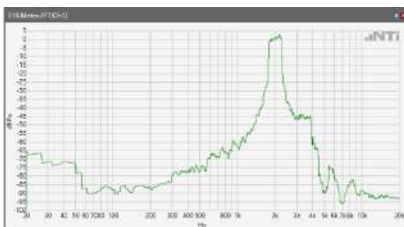
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



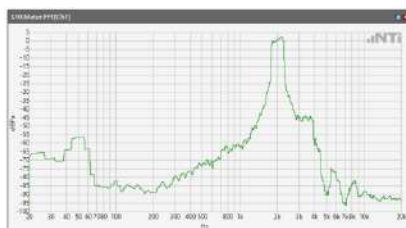
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



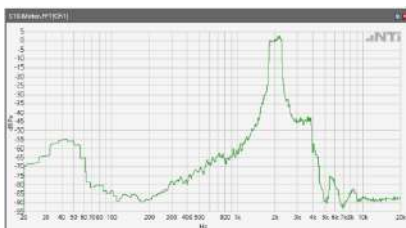
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



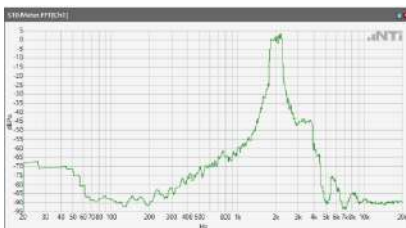
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n25



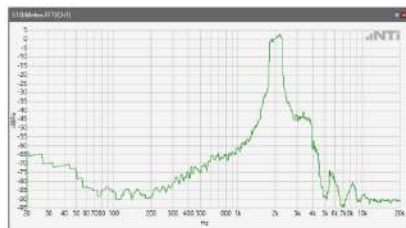
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



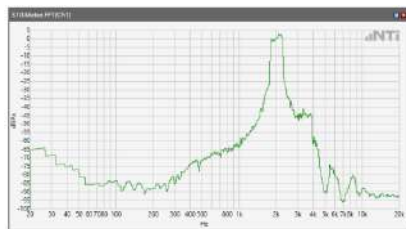
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



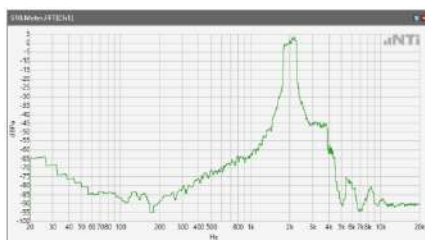
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



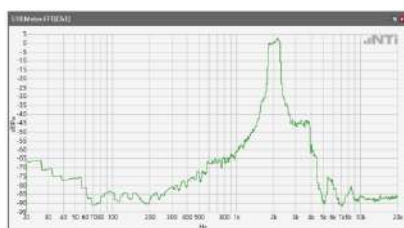
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



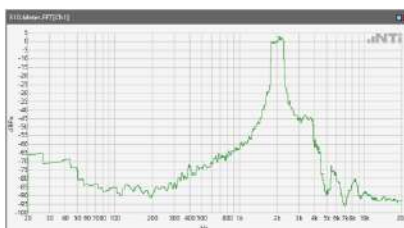
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71

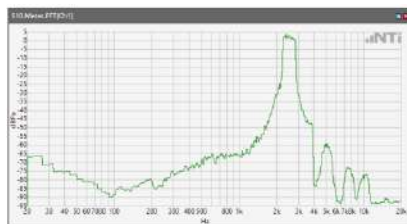


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77

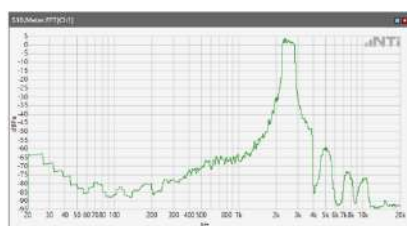


## 5.2 Receive path - distortion and noise 2500Hz 8N&2N NB

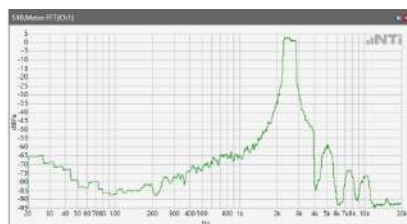
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



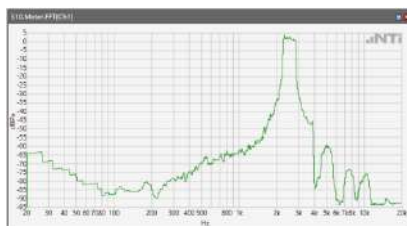
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



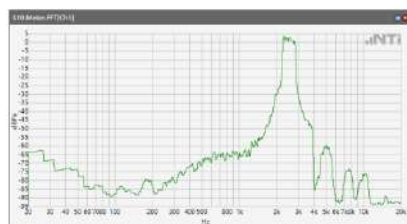
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



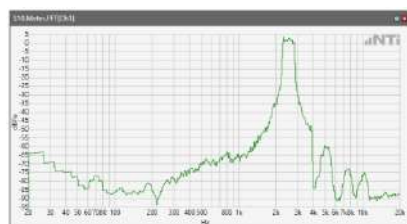
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



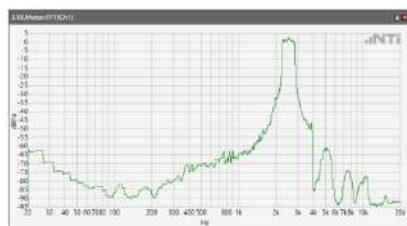
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



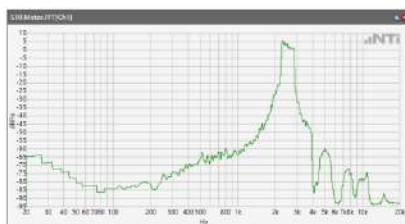
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



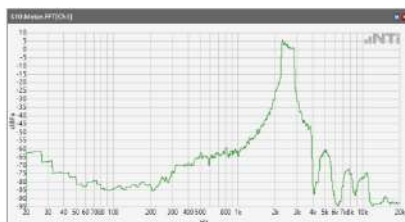
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



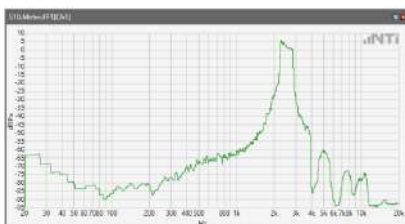
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



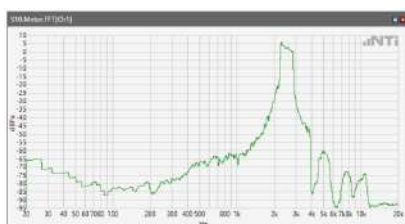
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



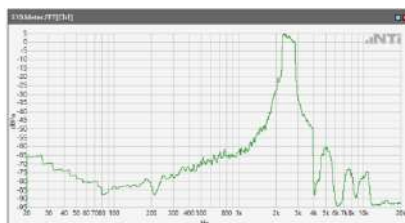
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



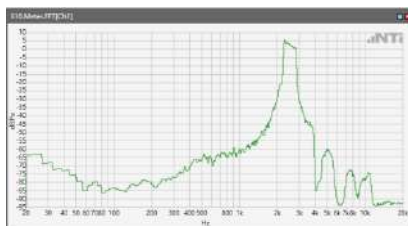
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



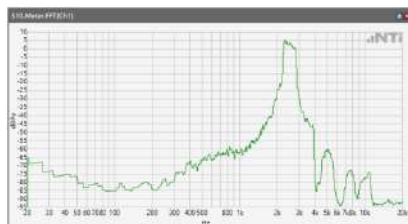
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



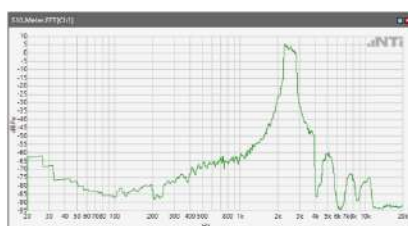
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



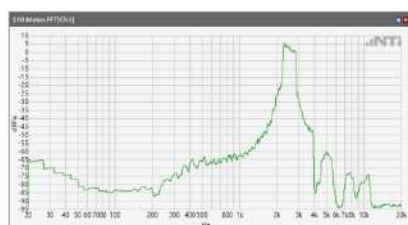
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



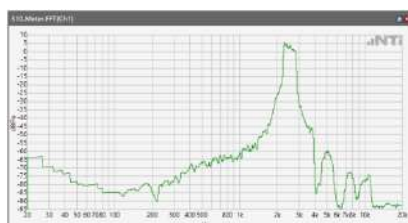
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



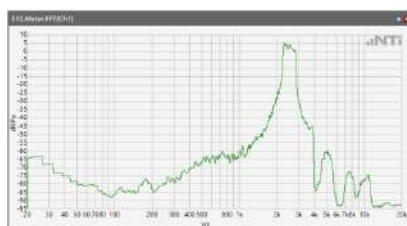
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n26



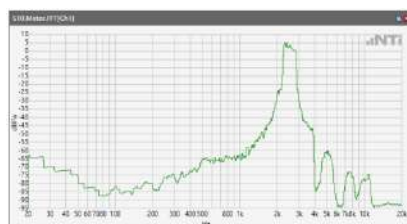
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n30



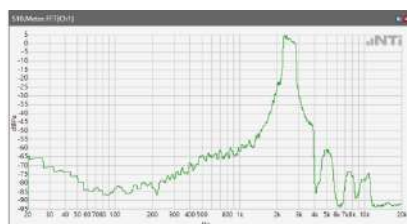
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



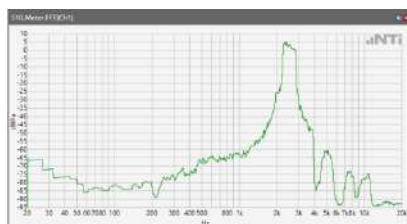
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



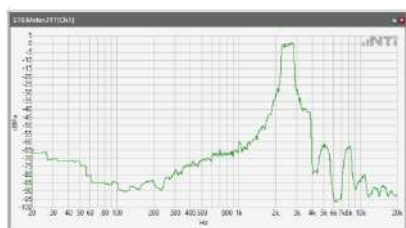
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71



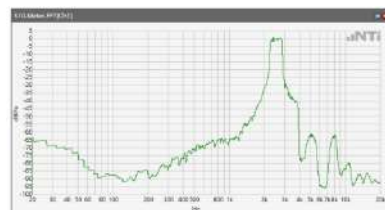
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77



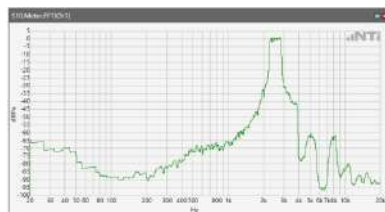
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



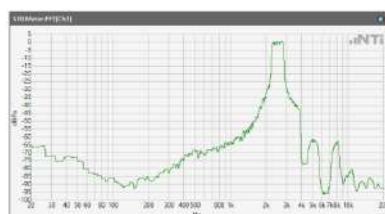
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



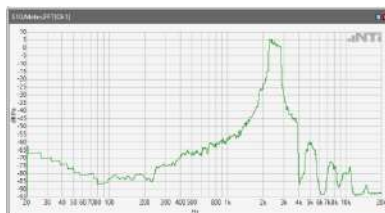
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



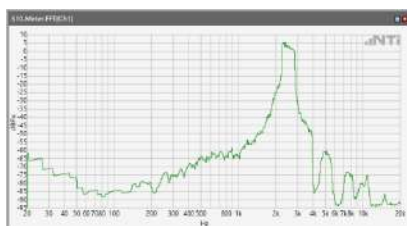
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



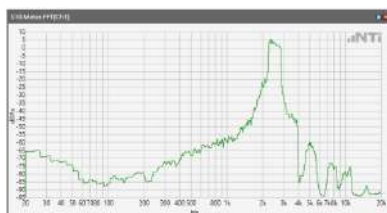
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



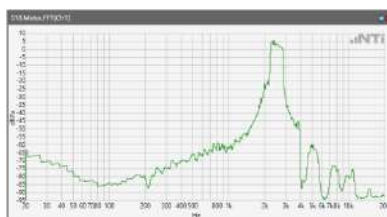
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



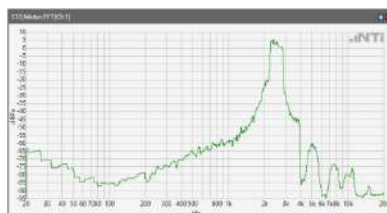
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



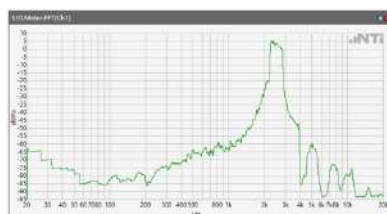
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



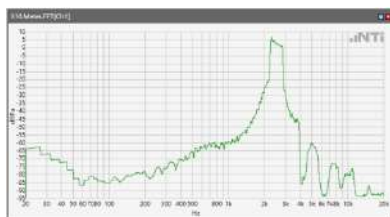
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



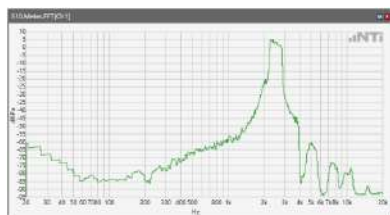
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



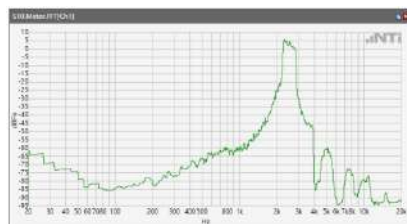
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



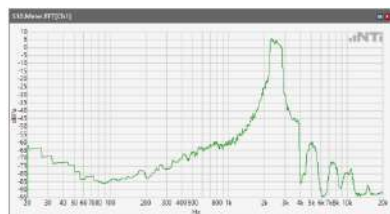
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



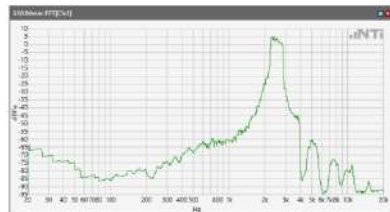
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



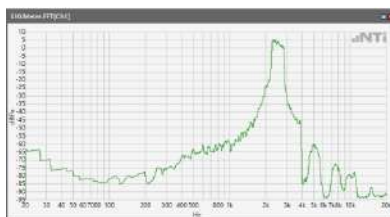
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



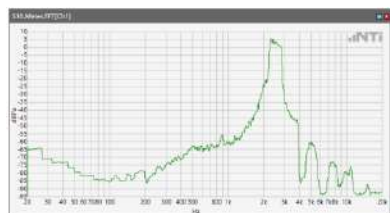
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



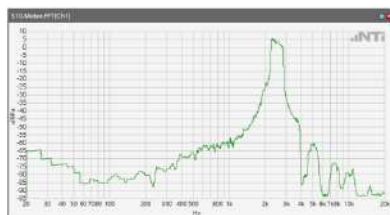
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n25



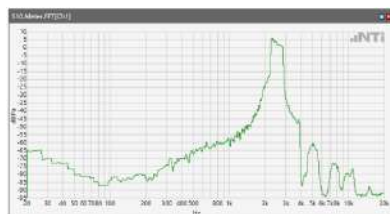
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



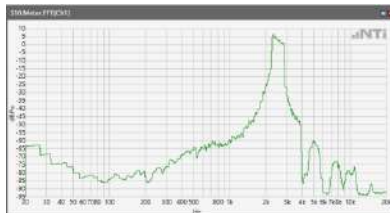
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



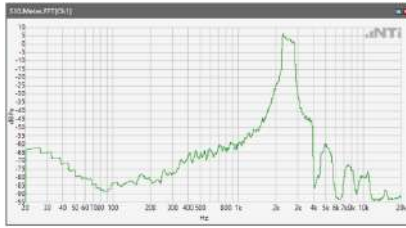
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



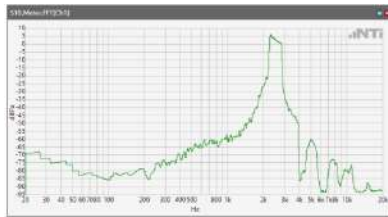
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



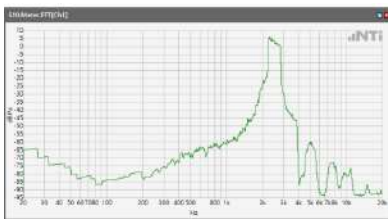
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n71

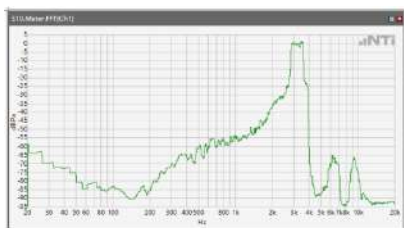


ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n77

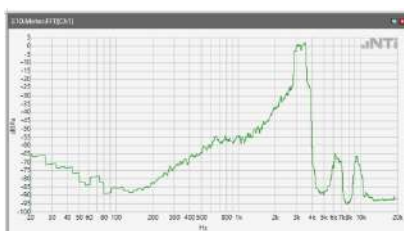


## 5.2Receive path - distortion and noise 3150Hz 8N&2N NB

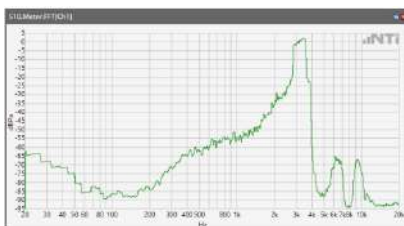
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



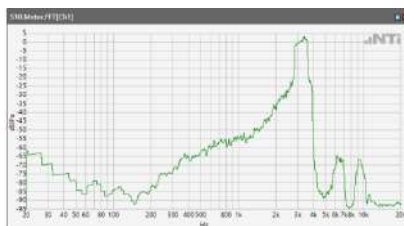
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



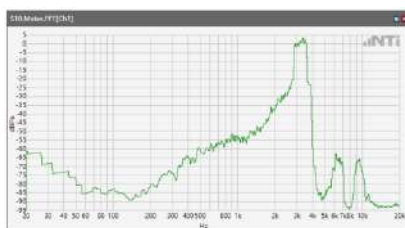
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



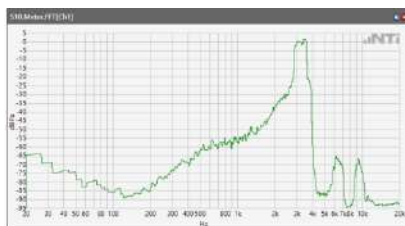
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



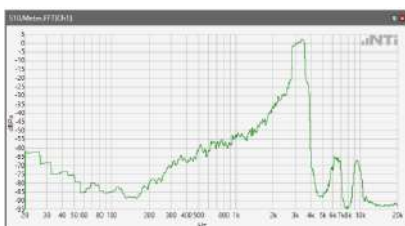
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



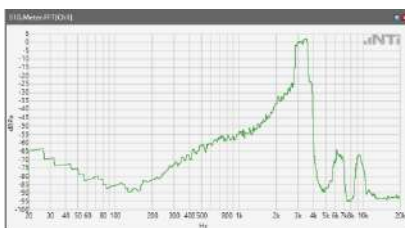
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



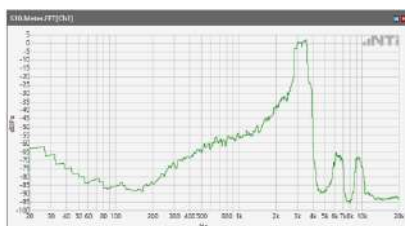
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



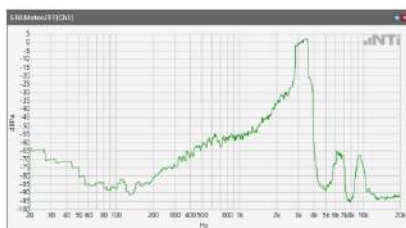
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



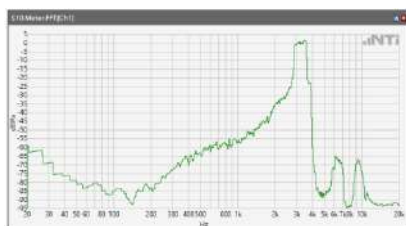
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



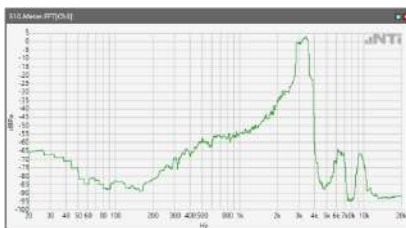
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



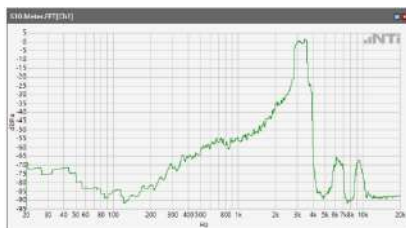
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



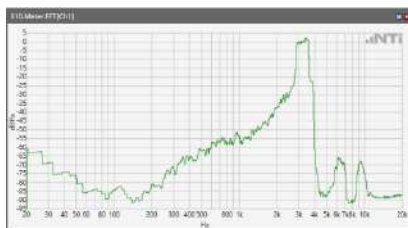
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



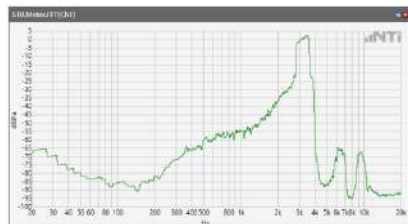
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



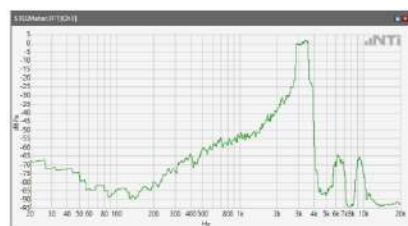
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



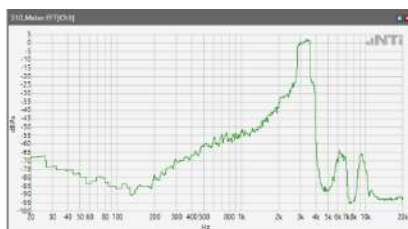
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



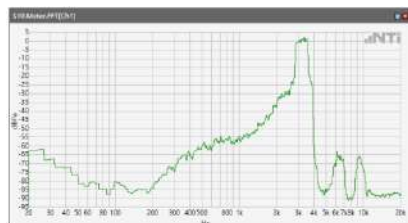
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n25



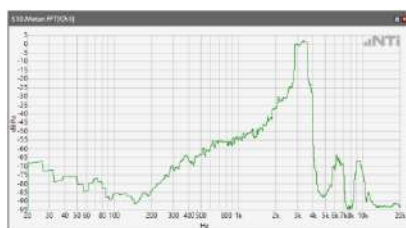
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n26



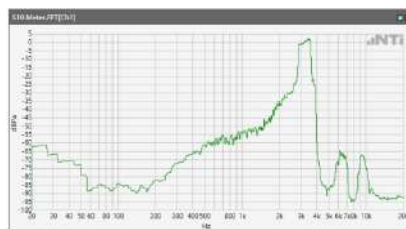
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n30



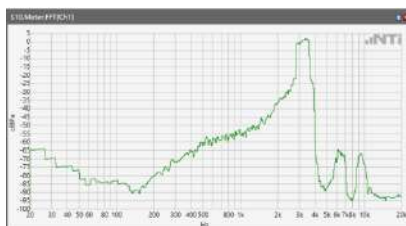
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



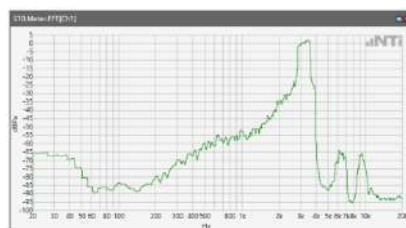
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



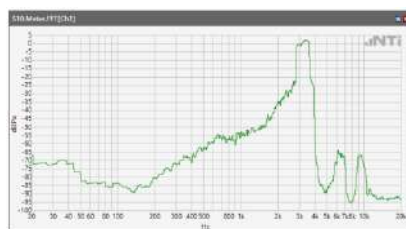
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



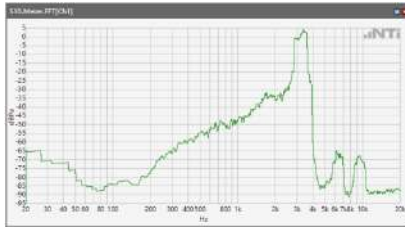
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n66



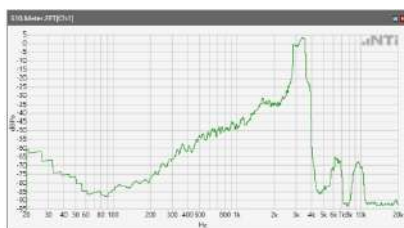
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n71



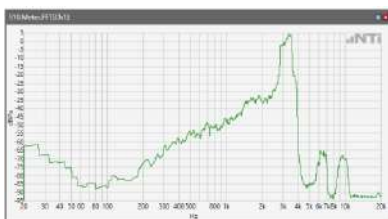
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n77



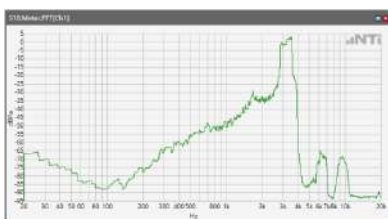
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



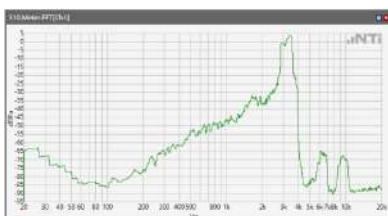
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



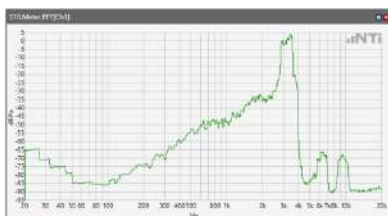
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



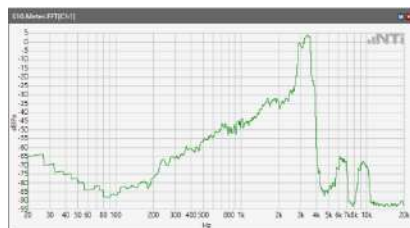
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



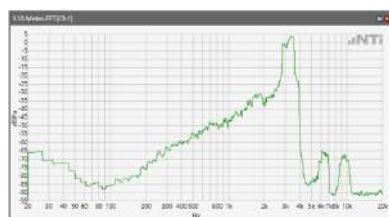
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



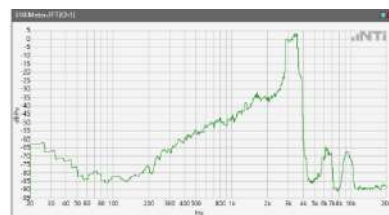
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



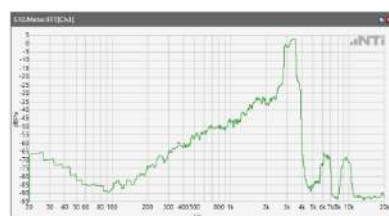
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 14



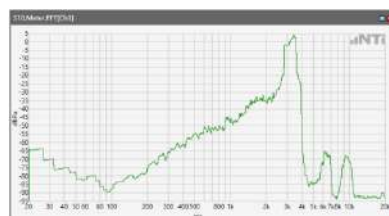
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



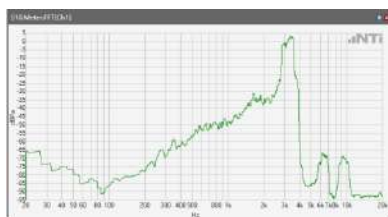
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



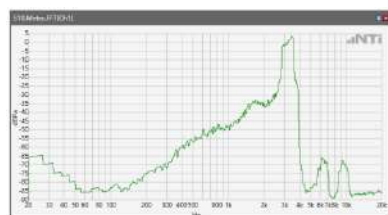
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 30



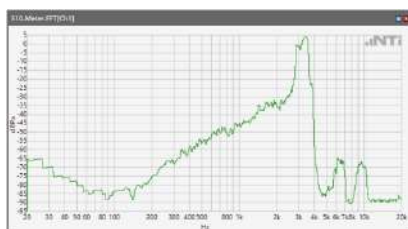
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



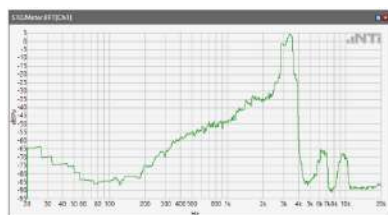
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



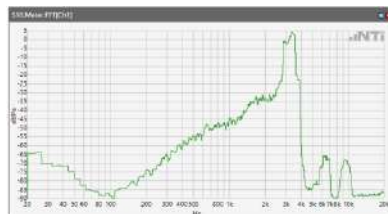
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



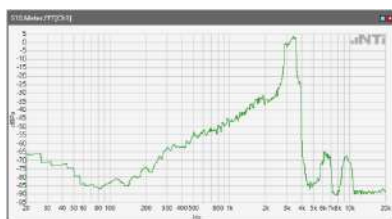
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



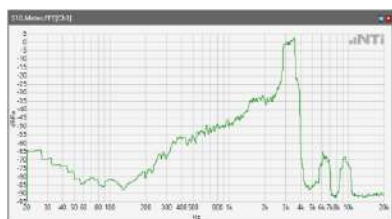
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n7



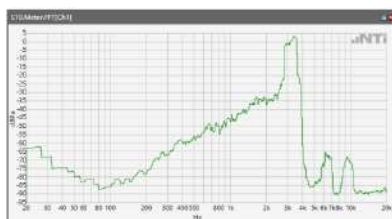
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n25



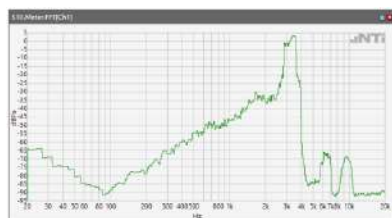
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n26



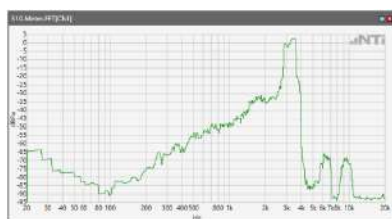
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n30



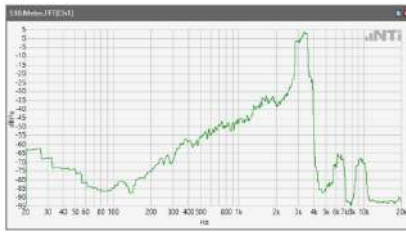
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n41



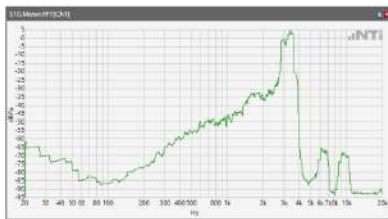
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5GNR  
n48



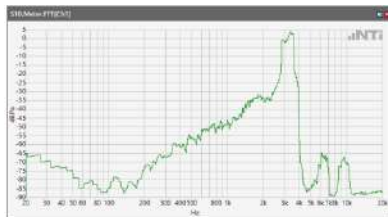
ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n66



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n71



ANSI/TIA 5050-2018 \ 2N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\5G NR n77



### 5.3 Receive Acoustic Frequency response Performance 8N&2N WB

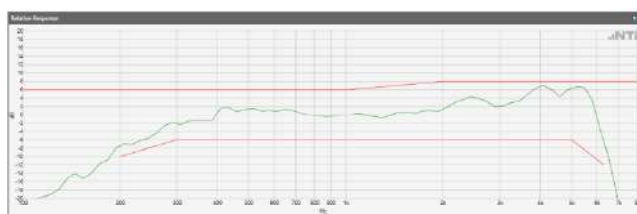
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\WCDMA Band 2



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\WCDMA Band 4



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\WCDMA Band 5



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 7



Absolute minimal distance

OK

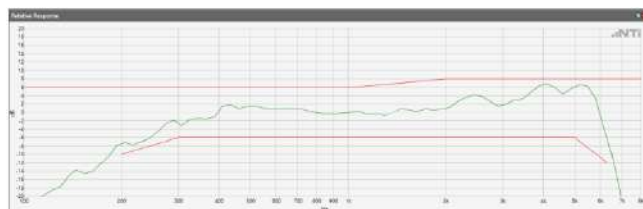
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 12



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 13



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 14



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 25



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 26



Absolute minimal distance

OK

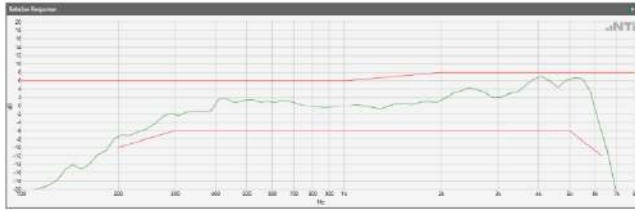
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 30



Absolute minimal distance

OK

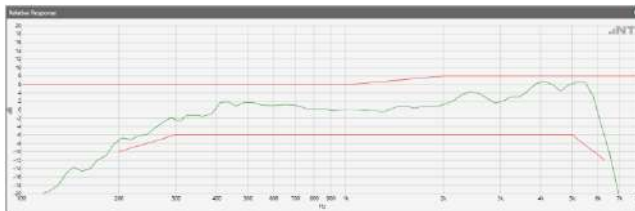
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 41



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 48



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 66



Absolute minimal distance

OK

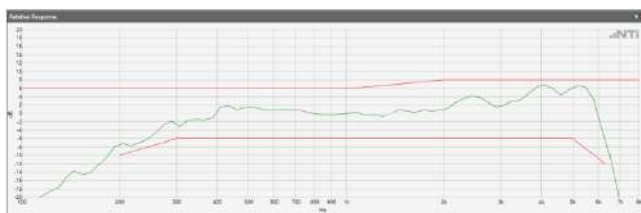
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 71



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n7



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n25



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n26



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n30



Absolute minimal distance

OK

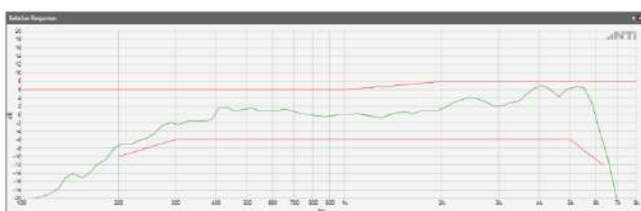
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n41



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n48



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n66



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n71



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n77



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\WCDMA Band 2



Absolute minimal distance

OK

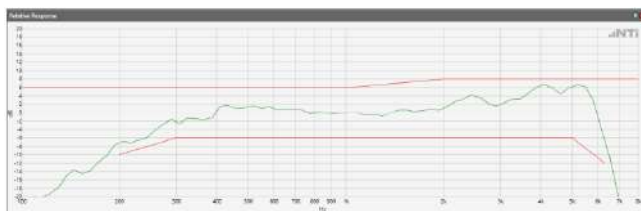
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\WCDMA Band 4



Absolute minimal distance

OK

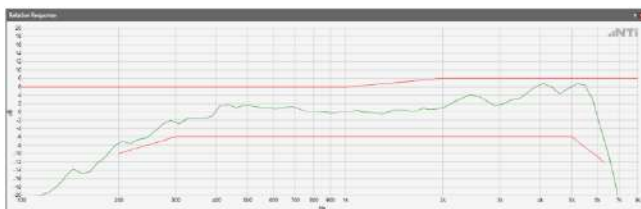
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\WCDMA Band 5



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 7



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 12



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 13



Absolute minimal distance

OK

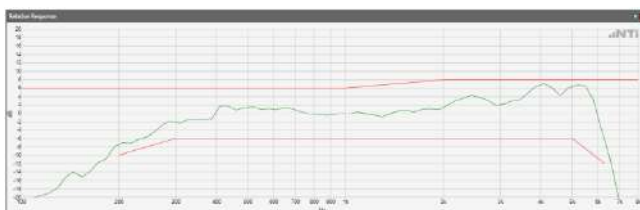
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 14



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 25



Absolute minimal distance

OK

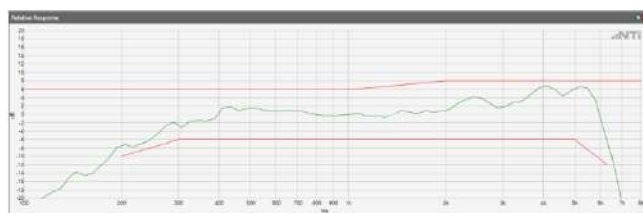
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 26



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 30



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 41



Absolute minimal distance

OK

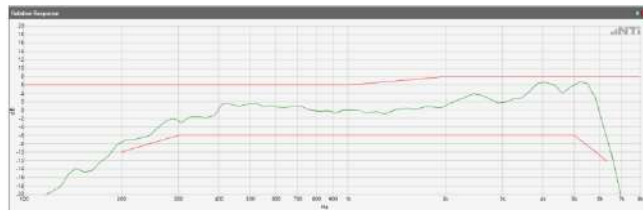
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 48



Absolute minimal distance

OK

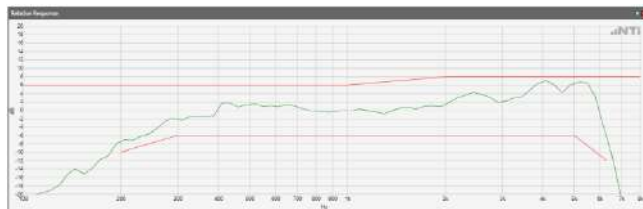
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 66



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 71



Absolute minimal distance

OK

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ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n7



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n25



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n26



Absolute minimal distance

OK

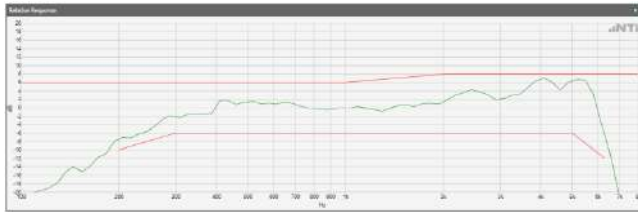
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n30



Absolute minimal distance

OK

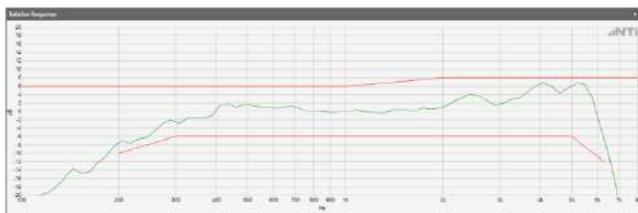
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n41



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n48



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n66



Absolute minimal distance

OK

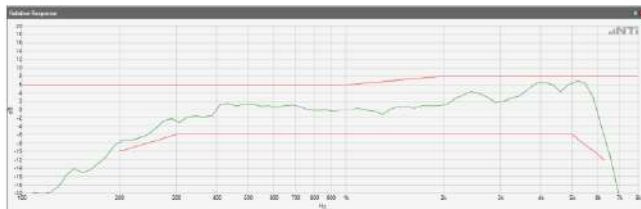
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n71



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n77

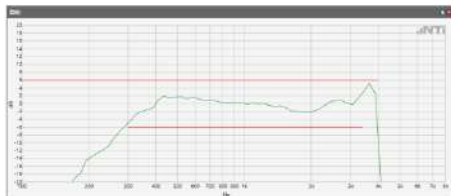


Absolute minimal distance

OK

### 5.3 Receive Acoustic Frequency response Performance 8N&2N NB

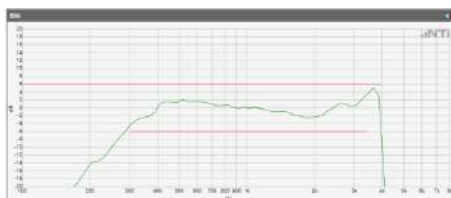
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\WCDMA Band 2



Absolute minimal distance

OK

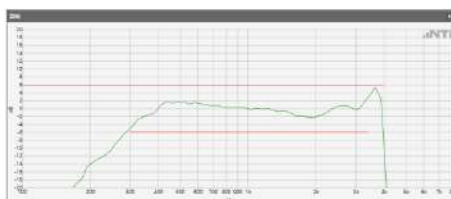
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\WCDMA Band 4



Absolute minimal distance

OK

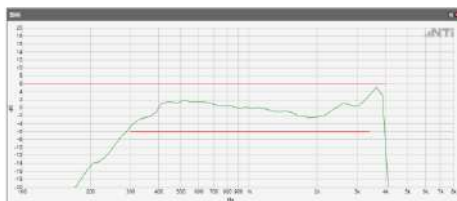
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\WCDMA Band 5



Absolute minimal distance

OK

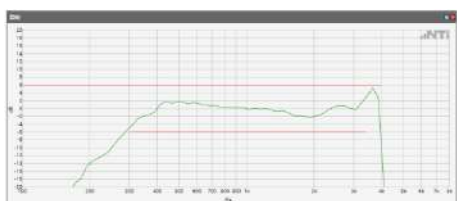
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 7



Absolute minimal distance

OK

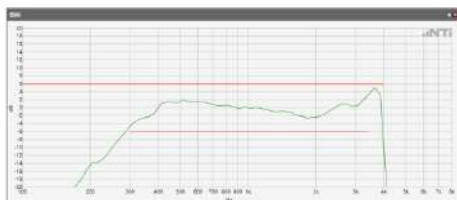
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 12



Absolute minimal distance

OK

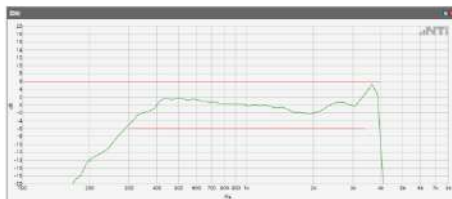
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 13



Absolute minimal distance

OK

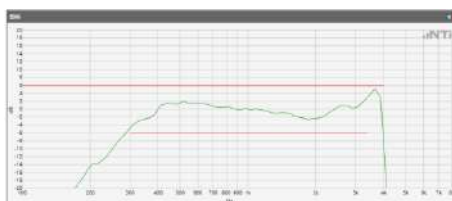
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 14



Absolute minimal distance

OK

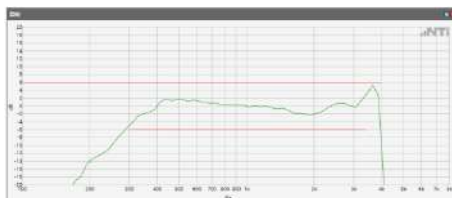
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 25



Absolute minimal distance

OK

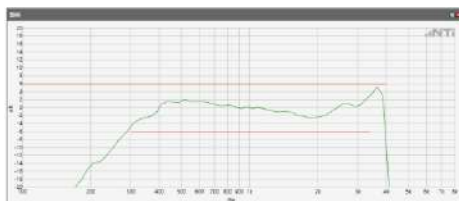
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 26



Absolute minimal distance

OK

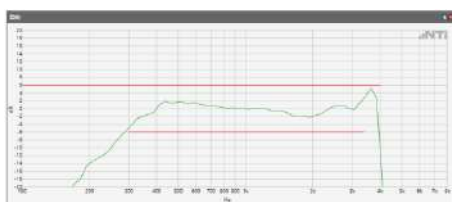
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 30



Absolute minimal distance

OK

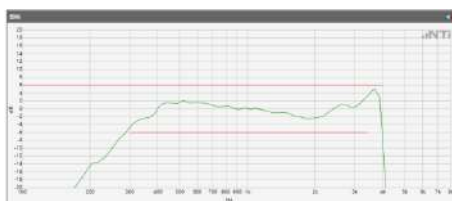
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 41



Absolute minimal distance

OK

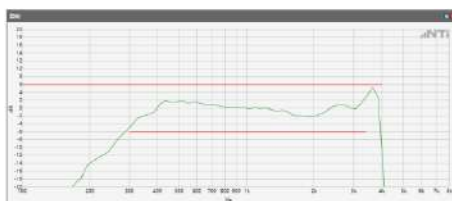
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 48



Absolute minimal distance

OK

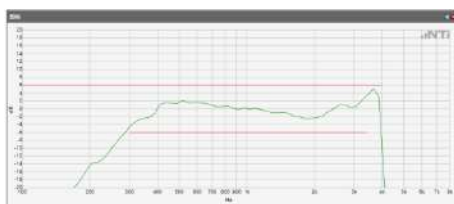
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 66



Absolute minimal distance

OK

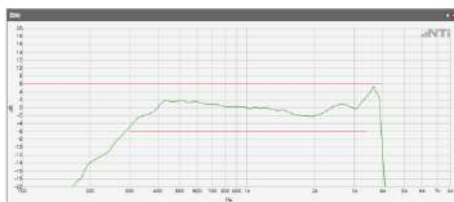
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\LTE Band 71



Absolute minimal distance

OK

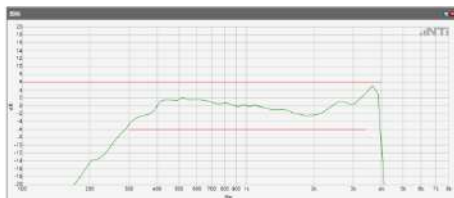
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n7



Absolute minimal distance

OK

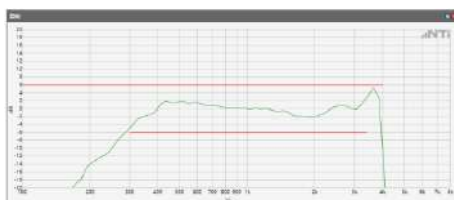
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n25



Absolute minimal distance

OK

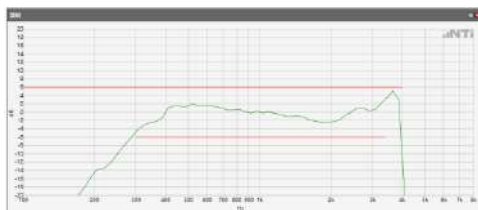
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n26



Absolute minimal distance

OK

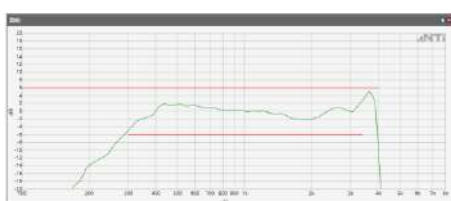
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n30



Absolute minimal distance

OK

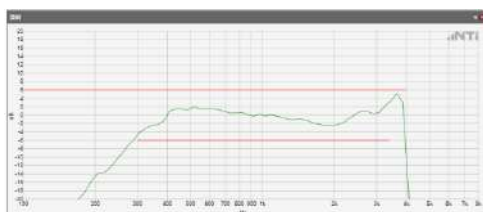
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n41



Absolute minimal distance

OK

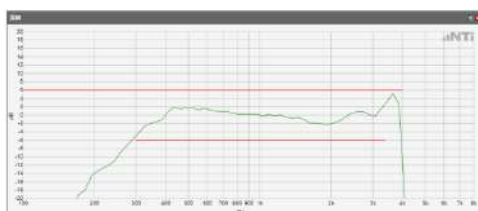
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n48



Absolute minimal distance

OK

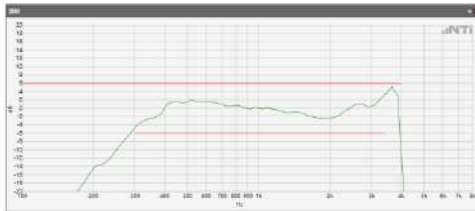
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n66



Absolute minimal distance

OK

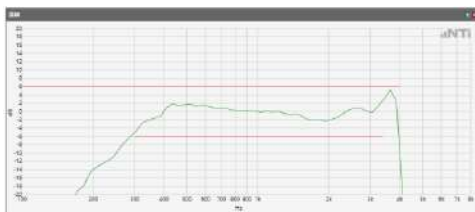
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n71



Absolute minimal distance

OK

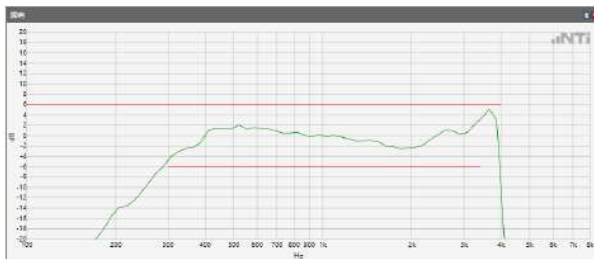
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\5GNR n77



Absolute minimal distance

OK

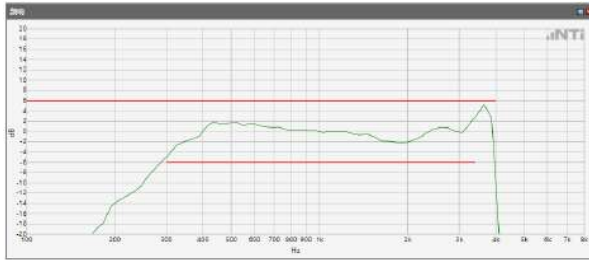
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\WCDMA Band 2



Absolute minimal distance

OK

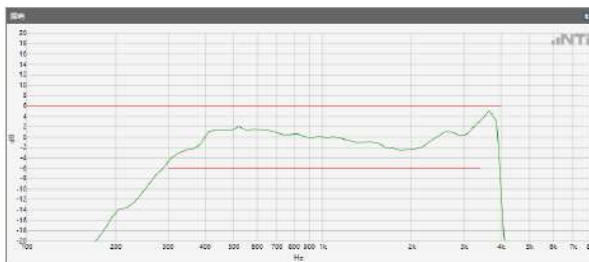
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\WCDMA Band 4



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\WCDMA Band 5



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 7



Absolute minimal distance

OK

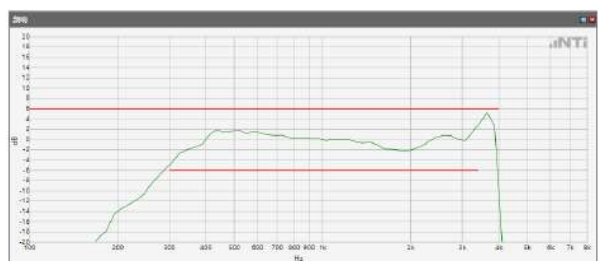
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 12



Absolute minimal distance

OK

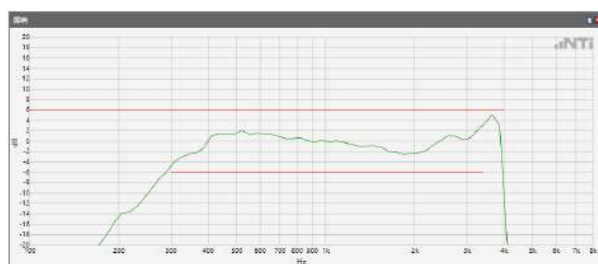
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 13



Absolute minimal distance

OK

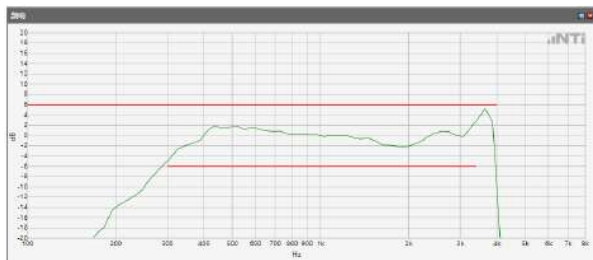
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 14



Absolute minimal distance

OK

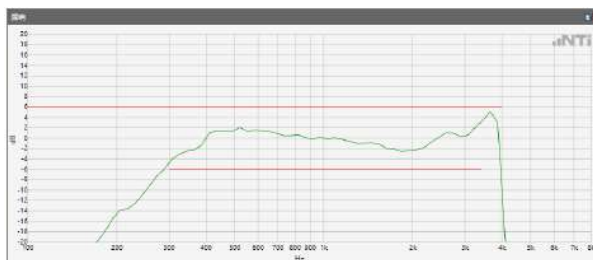
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 25



Absolute minimal distance

OK

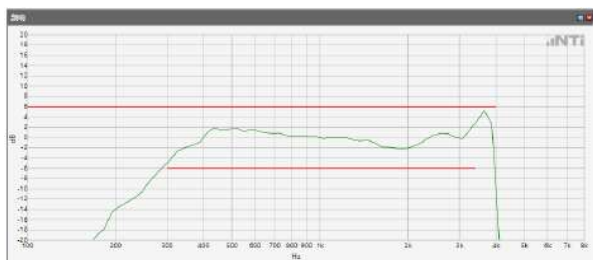
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 26



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 30



Absolute minimal distance

OK

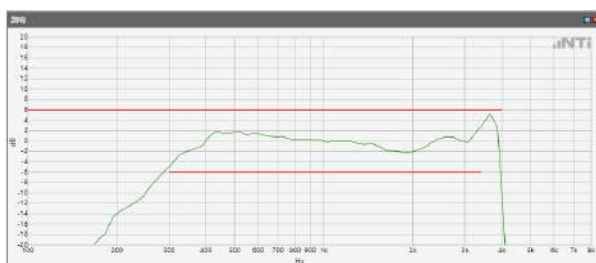
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 41



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 48



Absolute minimal distance

OK

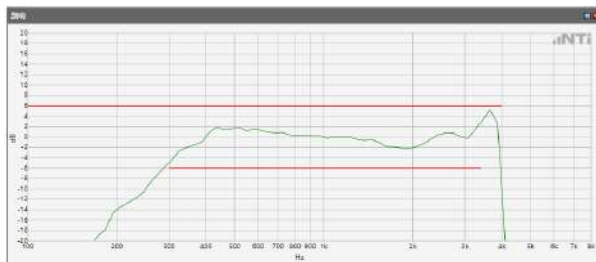
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 66



Absolute minimal distance

OK

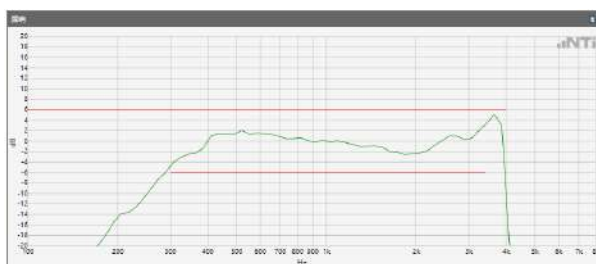
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\LTE Band 71



Absolute minimal distance

OK

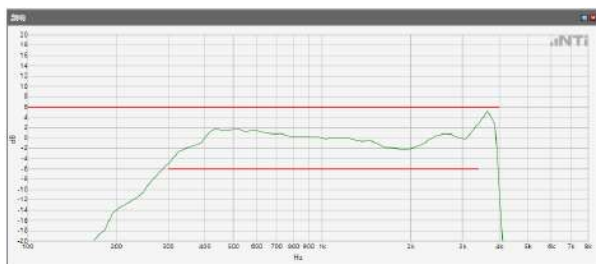
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5G NR n7



Absolute minimal distance

OK

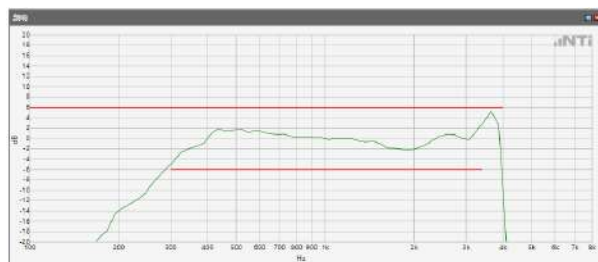
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5G NR n25



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n26



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n30



Absolute minimal distance

OK

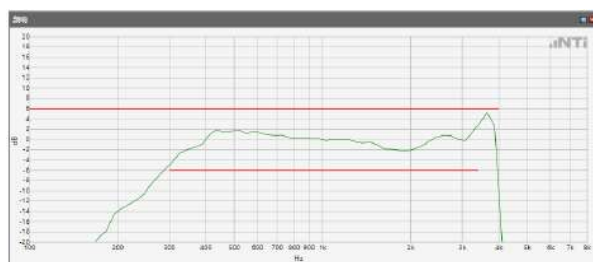
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n41



Absolute minimal distance

OK

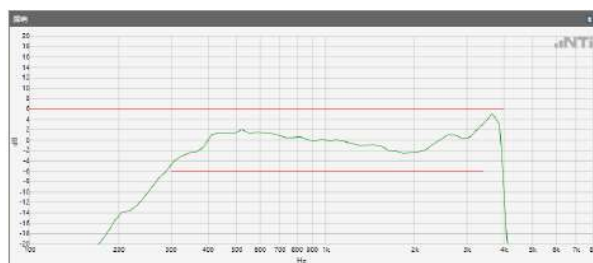
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n48



Absolute minimal distance

OK

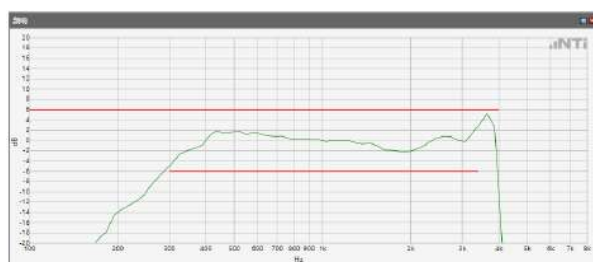
ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n66



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n71



Absolute minimal distance

OK

ANSI/TIA 5050-2018 \ 2N HAC OFF \ WB 23.85kbps\5GNR n77



Absolute minimal distance

OK