



REPORT No.: SZ23120302S02

## Annex D Test Results of Volume Control



## Measurement Protocol

Project	SZ23120302 of TIA 5050 v1
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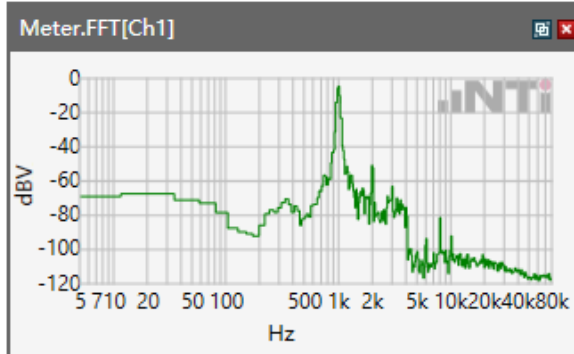
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## 5.1 Receive Volume Control Performance 8N---NB

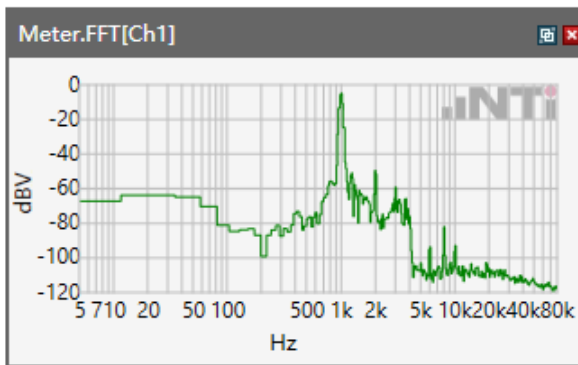
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\GSM 850



Speech Level RCV: 88.18 dB[SPL]

Calculated Value: 18.18 dB Ok

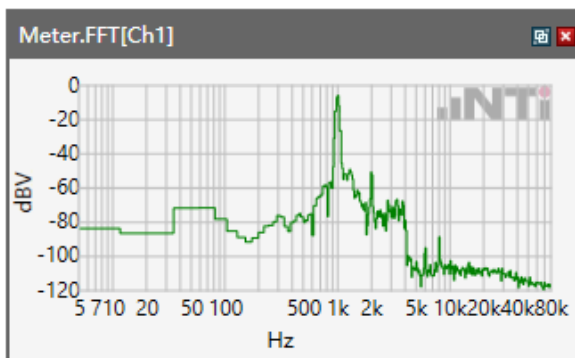
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\GSM 1900



Speech Level RCV: 88.32 dB[SPL]

Calculated Value: 18.32 dB Ok

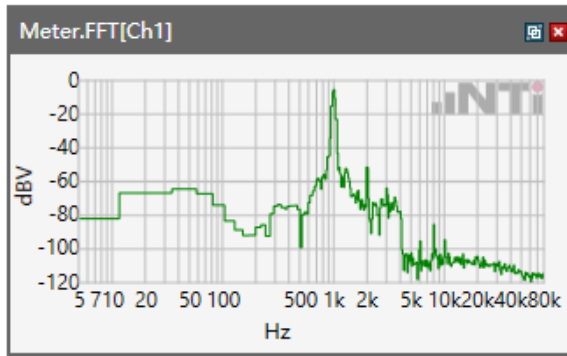
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WCDMA Band II



Speech Level RCV: 90.24 dB[SPL]

Calculated Value: 20.24 dB Ok

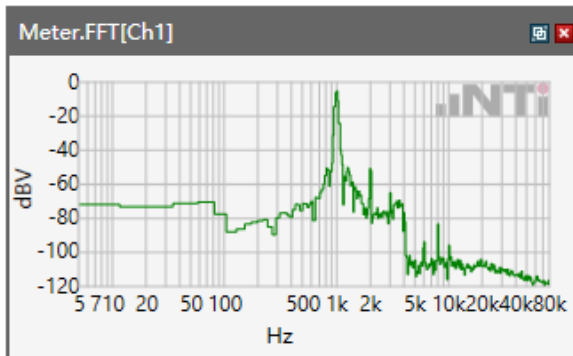
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WCDMA Band IV



Speech Level RCV: 90.26 dB[SPL]

Calculated Value: 20.26 dB Ok

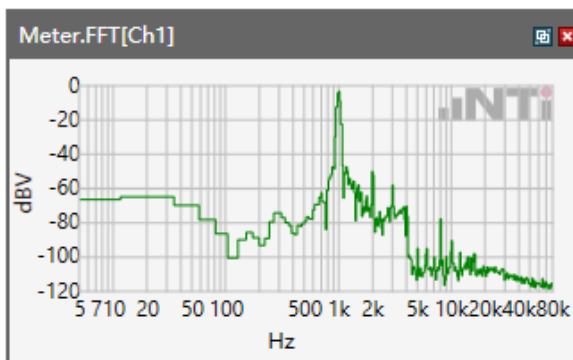
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WCDMA Band V



Speech Level RCV: 90.16 dB[SPL]

Calculated Value: 20.16 dB Ok

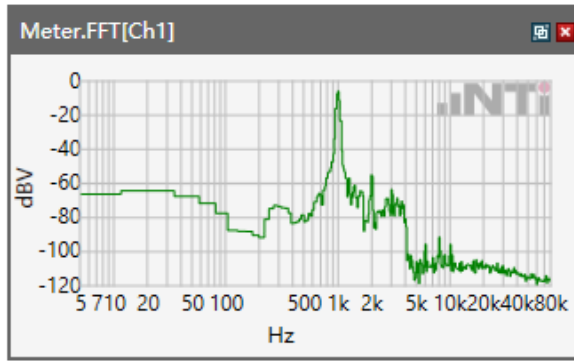
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\LTE Band 2



Speech Level RCV: 89.83 dB[SPL]

Calculated Value: 19.83 dB Ok

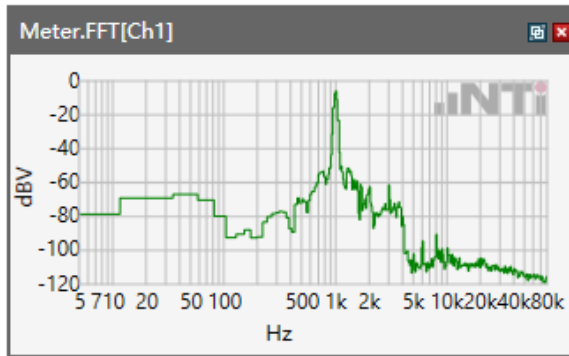
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\LTE Band 4



Speech Level RCV: 89.78 dB[SPL]

Calculated Value: 19.78 dB Ok

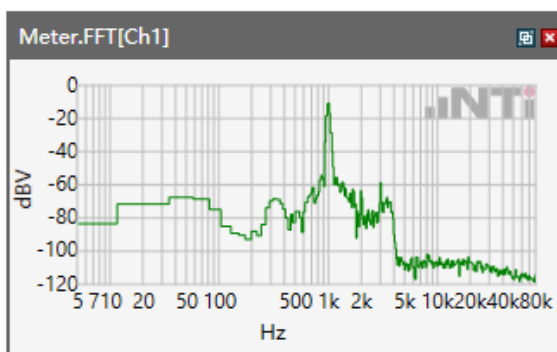
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 5



Speech Level RCV: 89.63 dB[SPL]

Calculated Value: 19.63 dB Ok

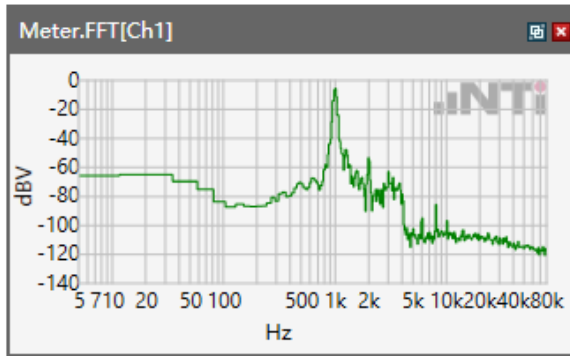
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 7



Speech Level RCV: 89.76 dB[SPL]

Calculated Value: 19.76 dB Ok

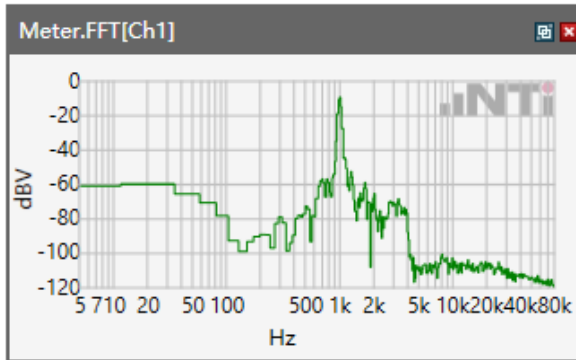
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 12



Speech Level RCV: 89.71 dB[SPL]

Calculated Value: 19.71 dB Ok

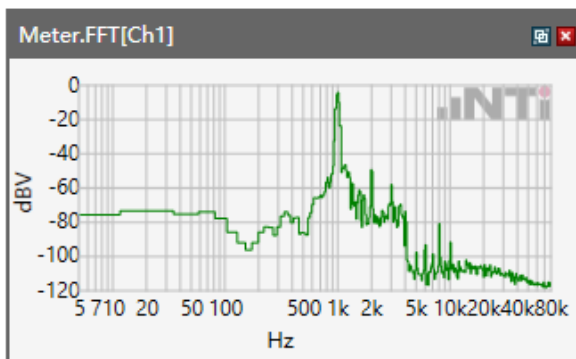
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 13



Speech Level RCV: 89.73 dB[SPL]

Calculated Value: 19.73 dB Ok

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 48

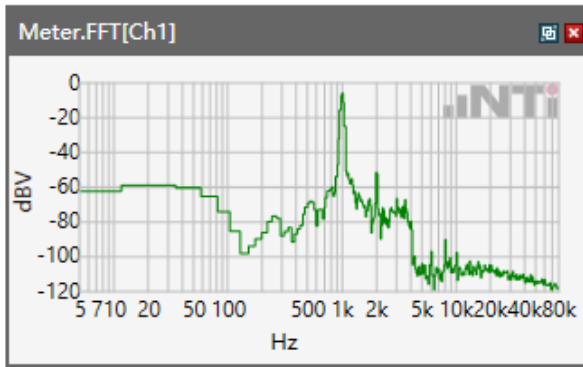


Speech Level RCV: 107.5 dB[SPL]

Calculated Value: 37.5 dB Ok



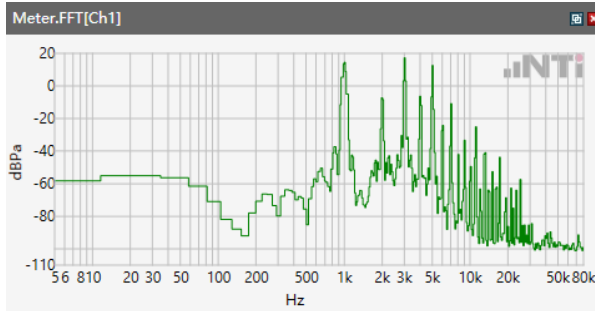
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 66



Speech Level RCV: 89.84 dB[SPL]

Calculated Value: 19.84 dB Ok

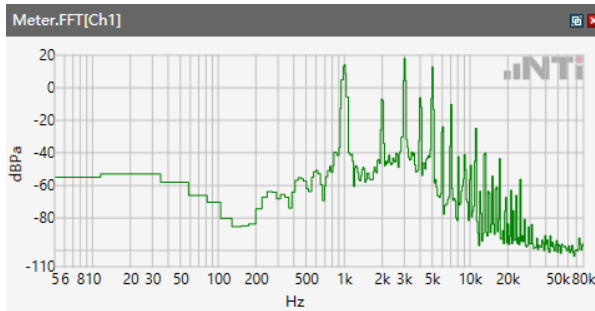
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 2.4GHz



Speech Level RCV: 108.4 dB[SPL]

Calculated Value: 38.4 dB Ok

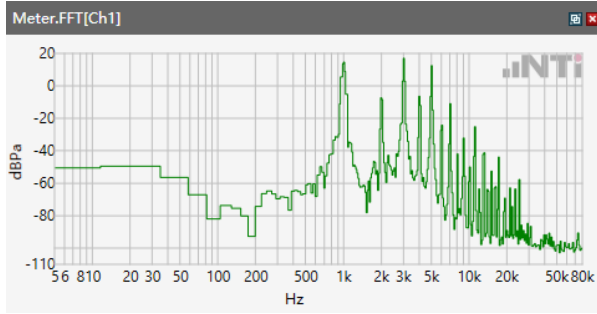
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.2GHz



Speech Level RCV: 105.3 dB[SPL]

Calculated Value: 35.3 dB Ok

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.8GHz

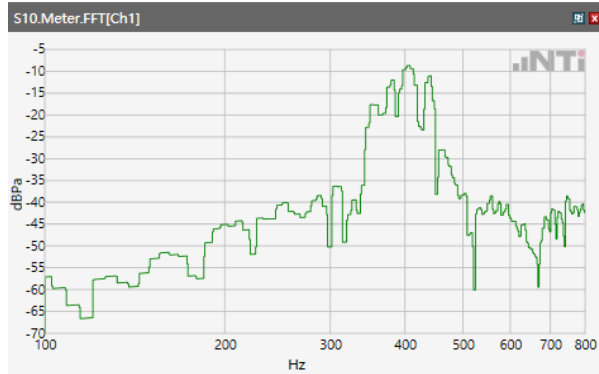


Speech Level RCV: 105.1 dB[SPL]

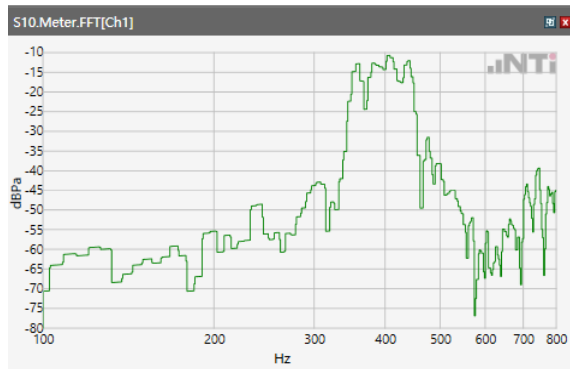
Calculated Value: 35.1 dB Ok

## Receive path - distortion and noise 400Hz WB&NB

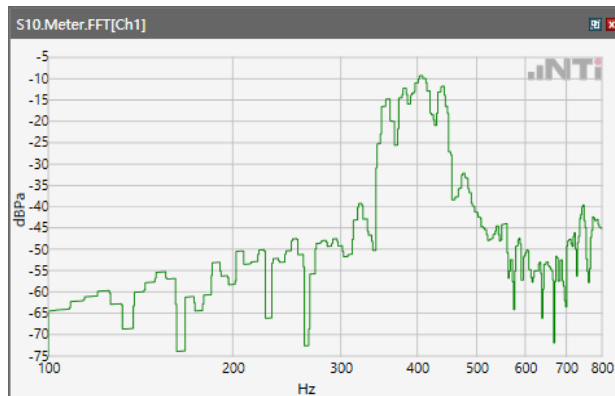
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



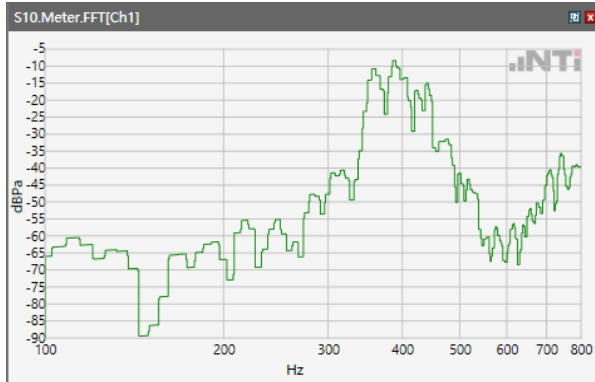
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



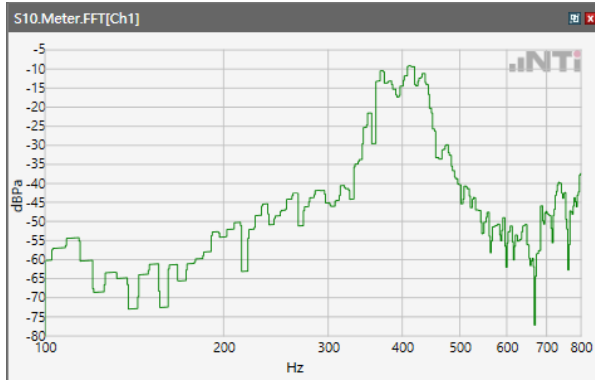
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



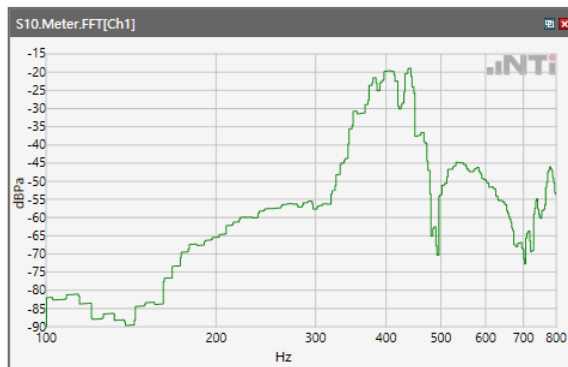
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



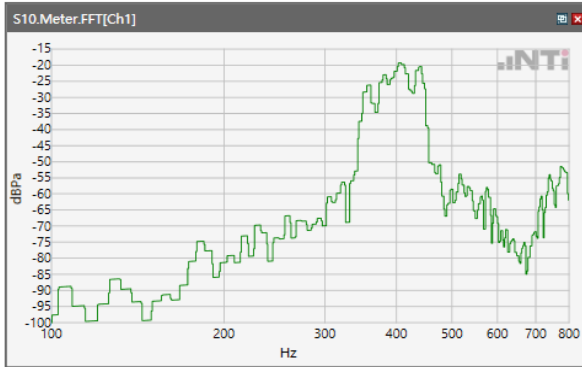
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



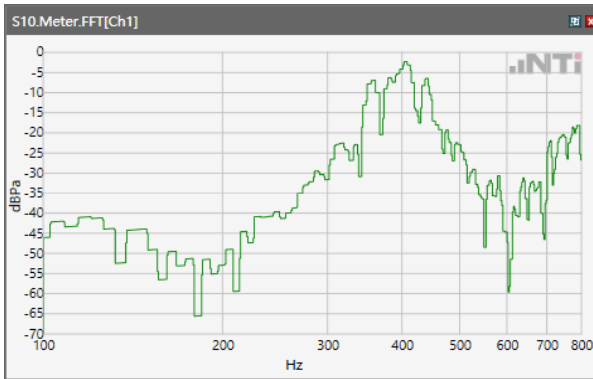
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



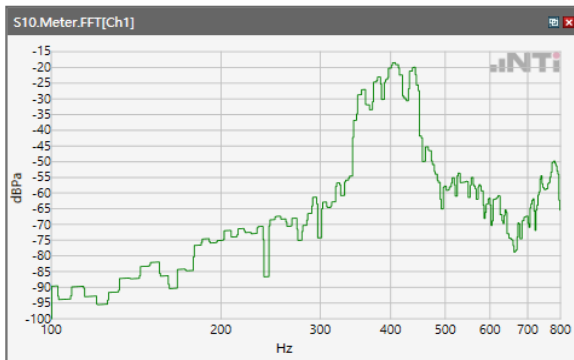
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



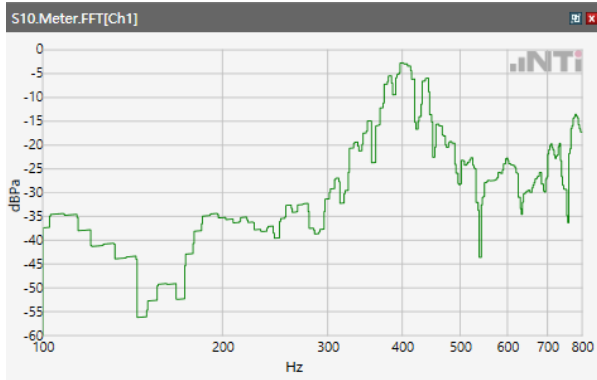
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



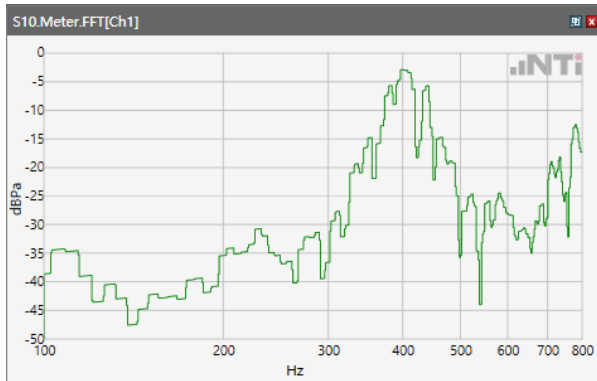
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



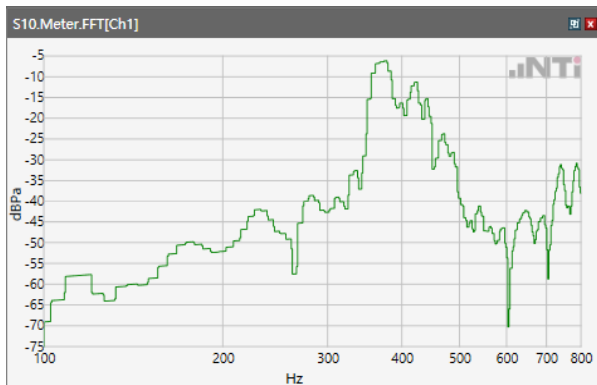
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



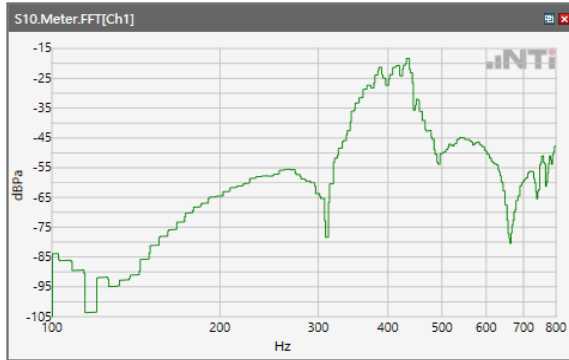
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



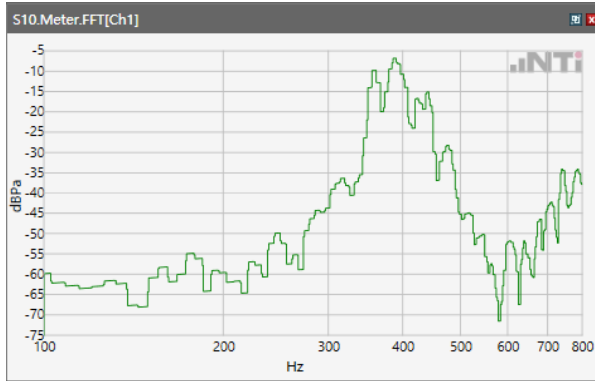
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



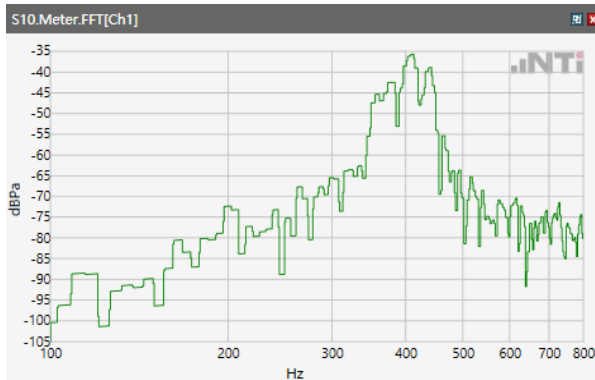
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



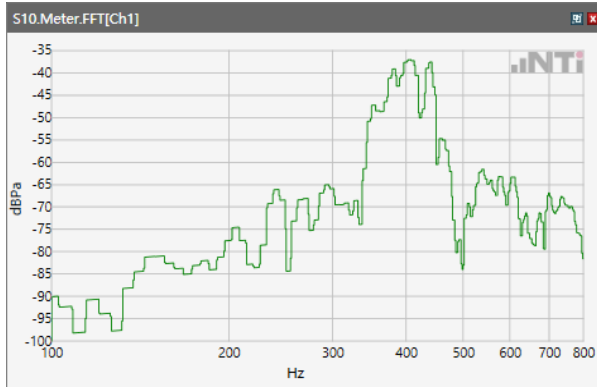
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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



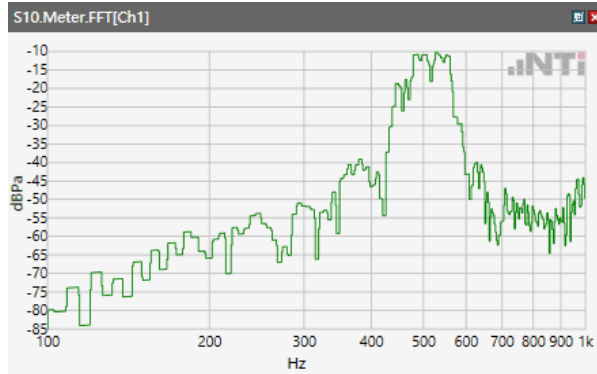
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN  
5.8 GHz



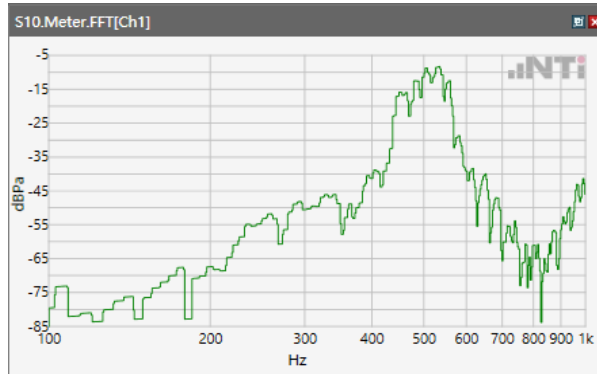


## Receive path - distortion and noise 500Hz WB&NB

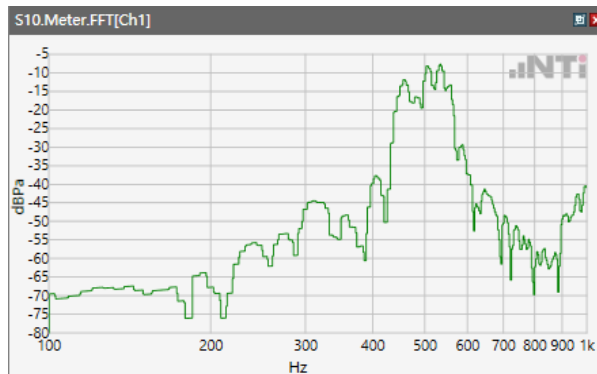
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



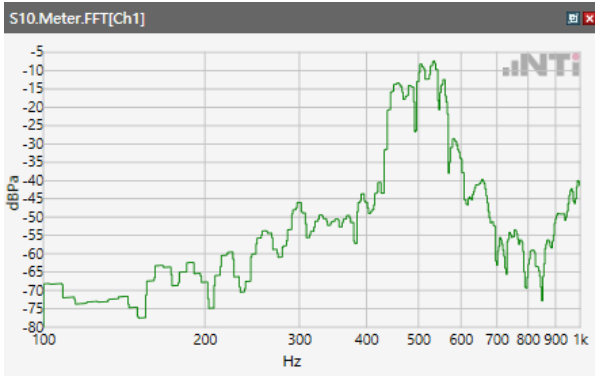
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



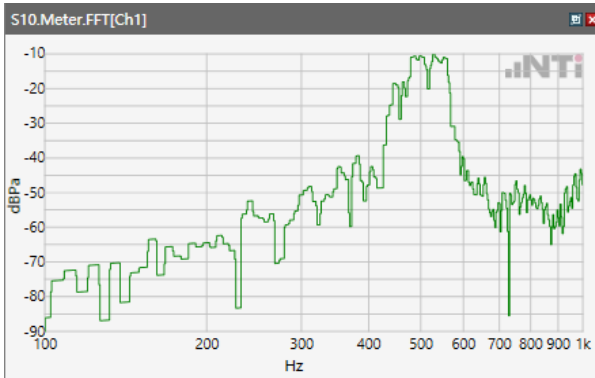
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



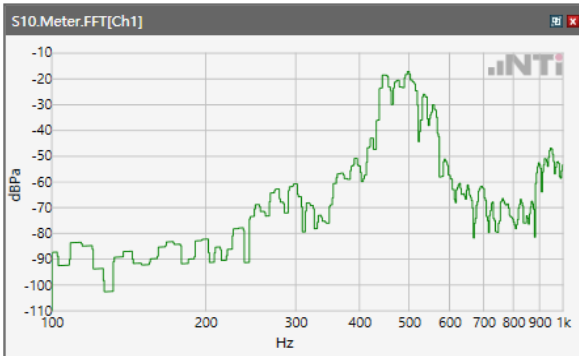
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



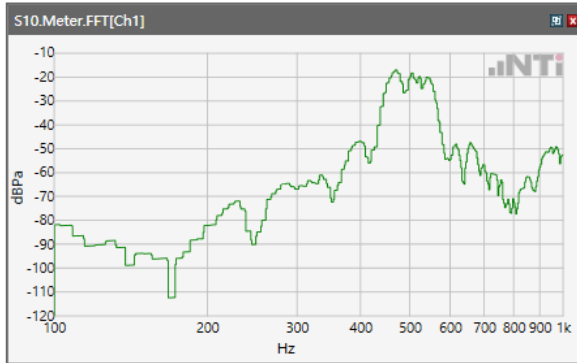
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



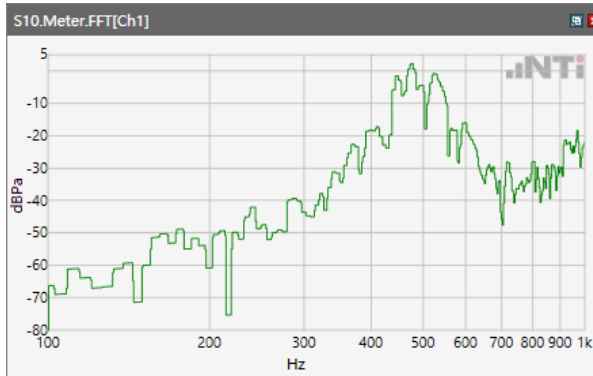
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



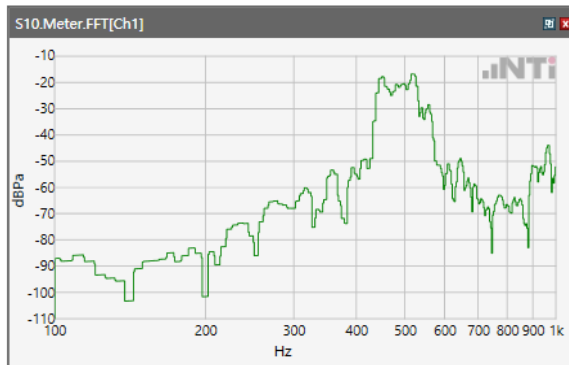
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



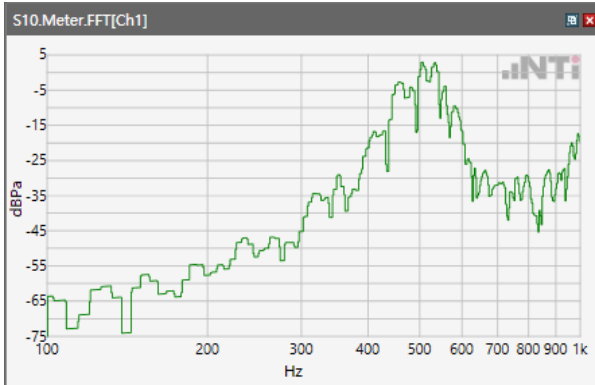
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



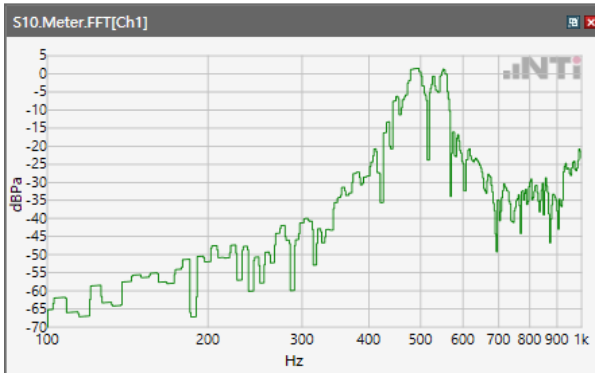
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



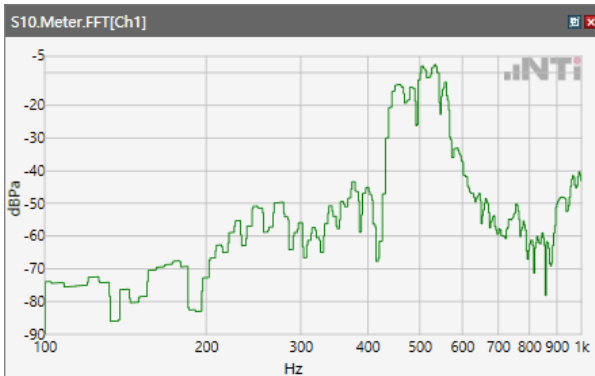
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



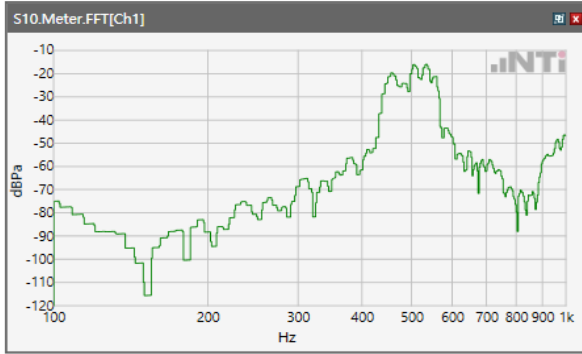
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



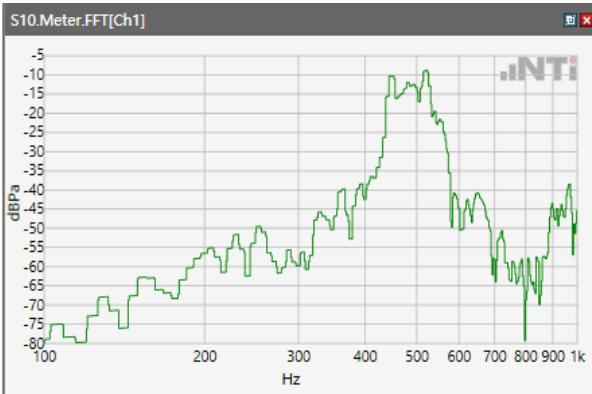
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



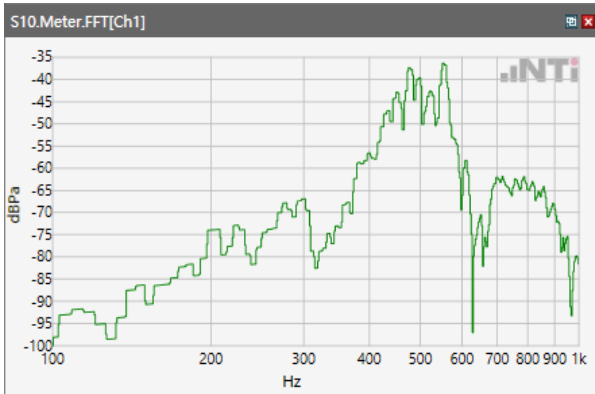
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



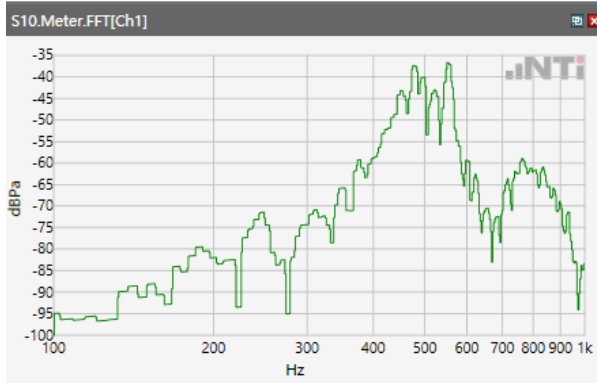
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

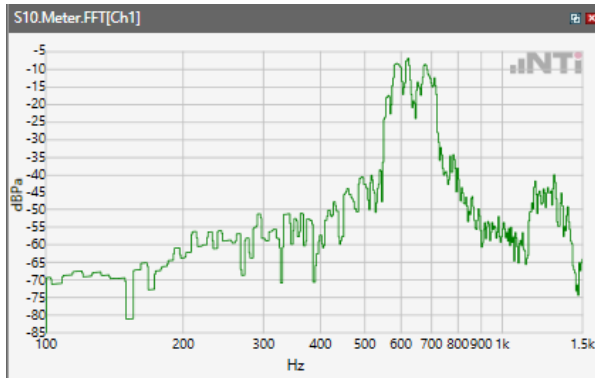


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN  
5.8 GHz

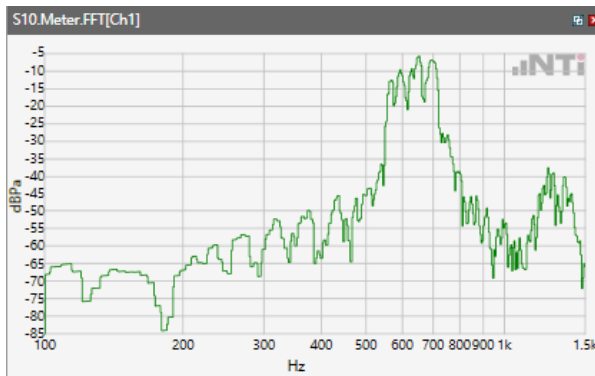


## Receive path - distortion and noise 630Hz WB&NB

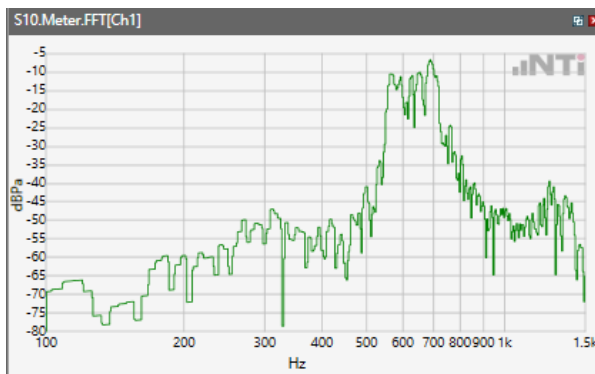
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



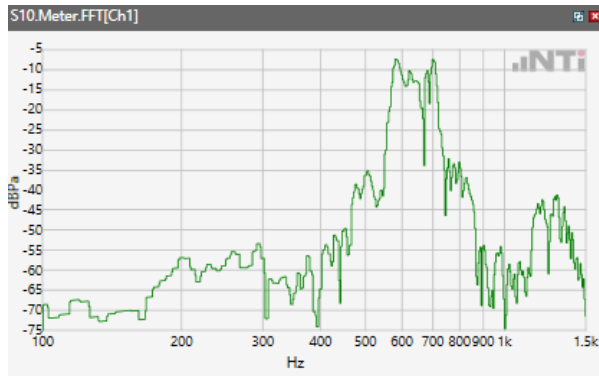
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



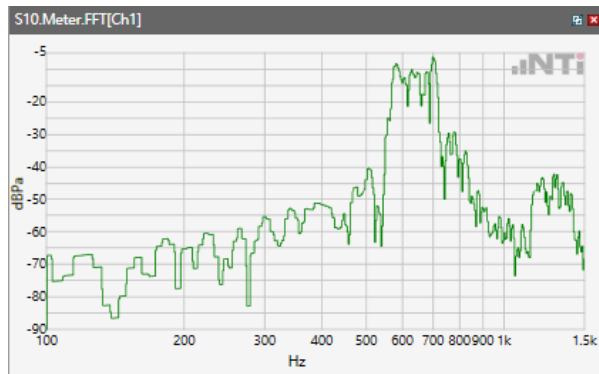
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



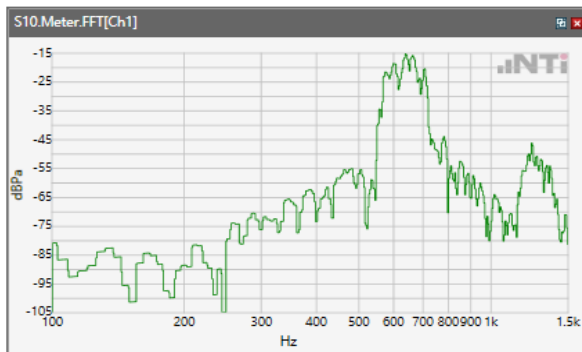
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



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

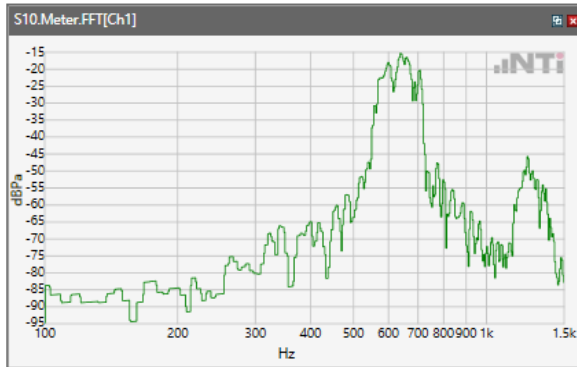


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2

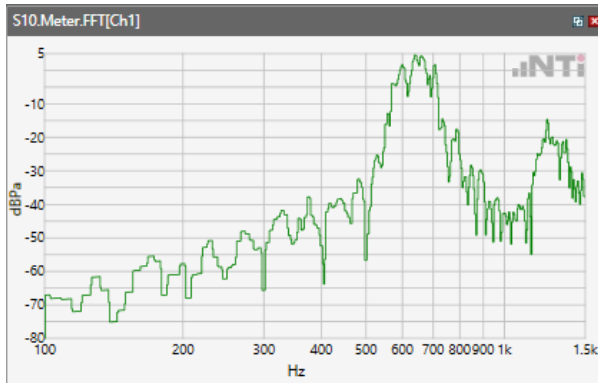




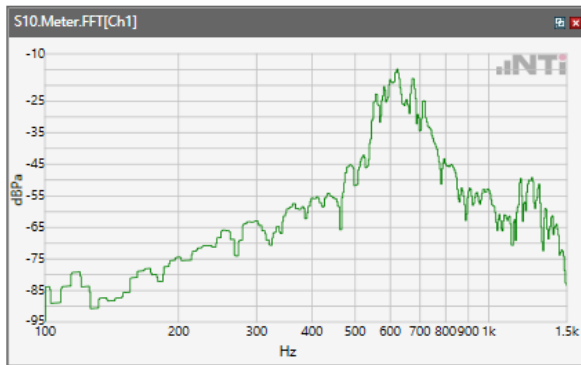
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



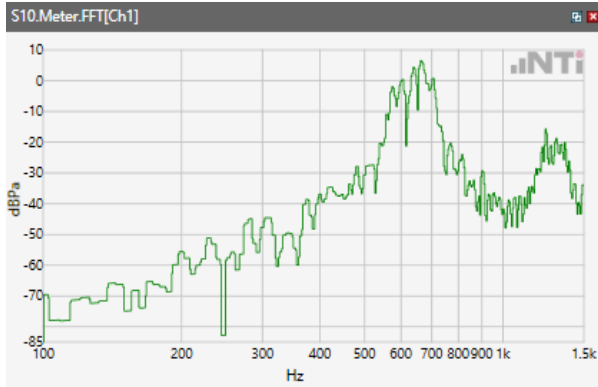
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



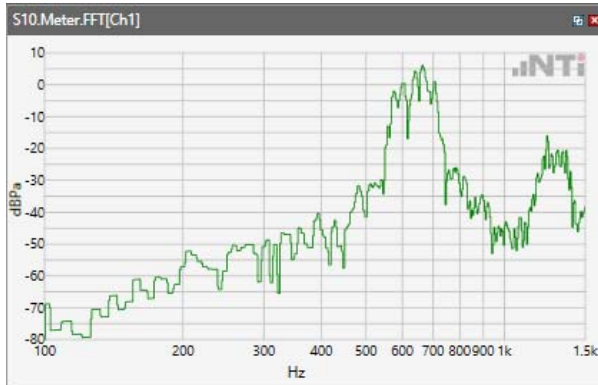
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



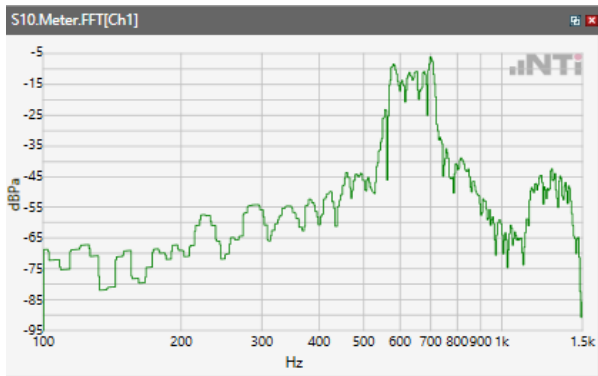
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



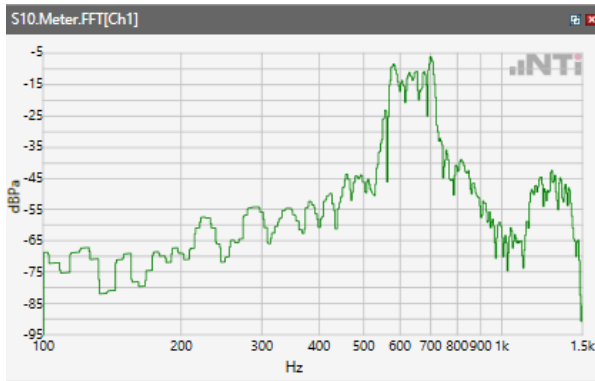
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



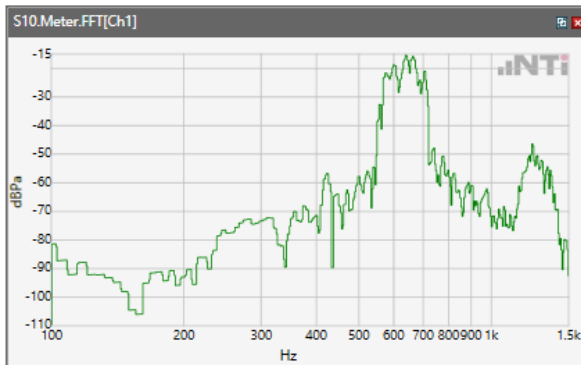
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



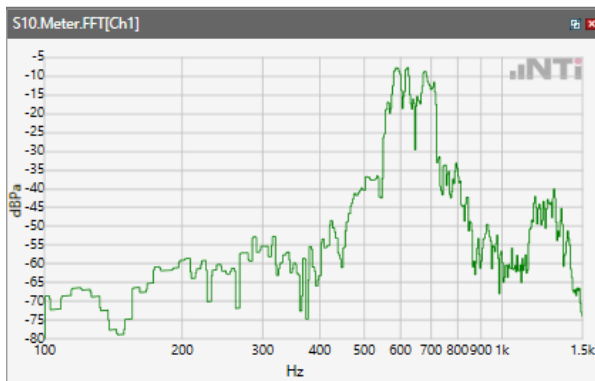
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



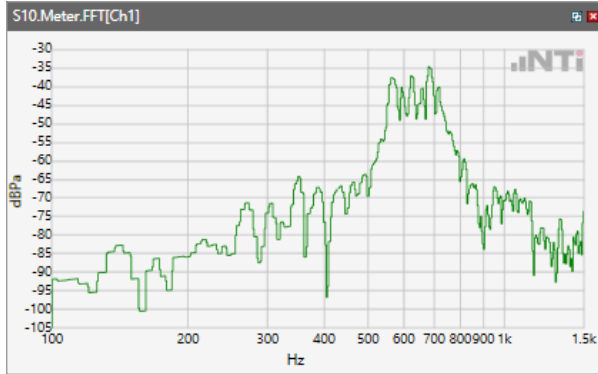
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

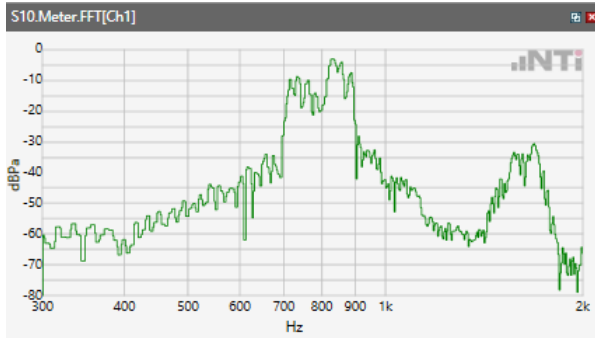


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN  
5.8 GHz

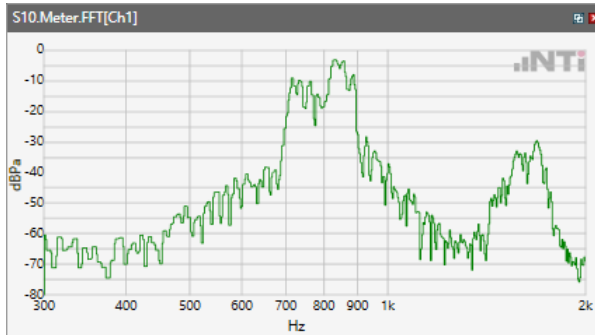


## Receive path - distortion and noise 800Hz WB&NB

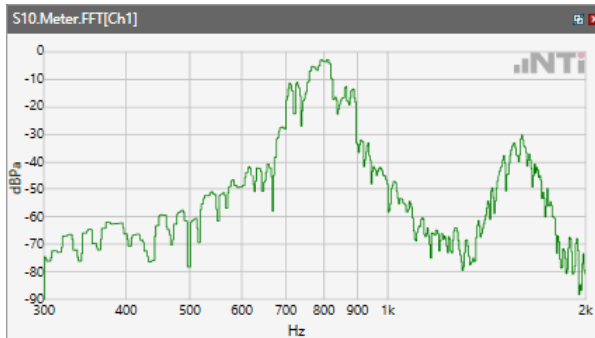
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



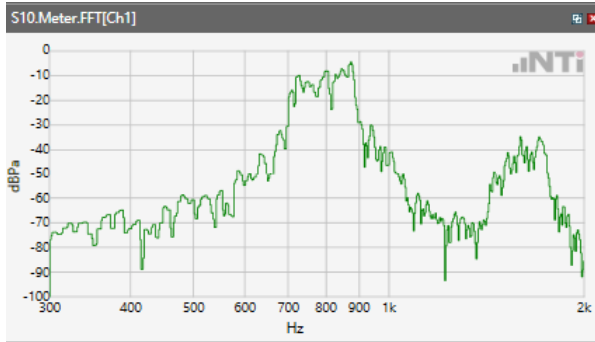
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



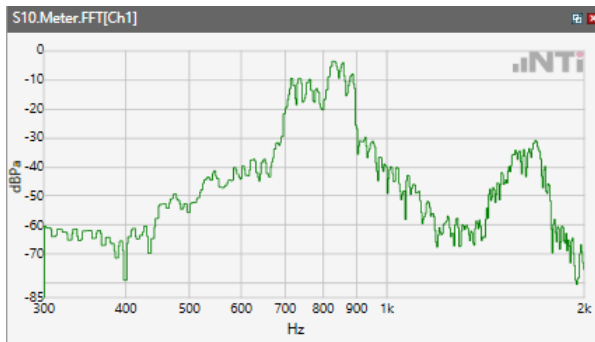
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



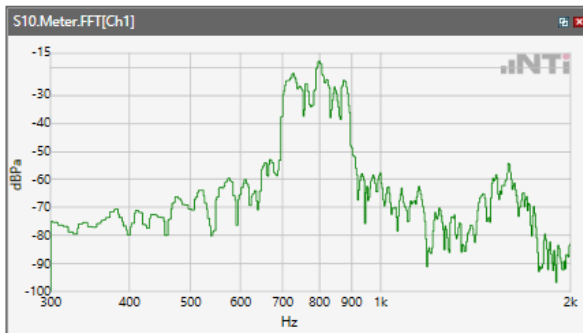
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



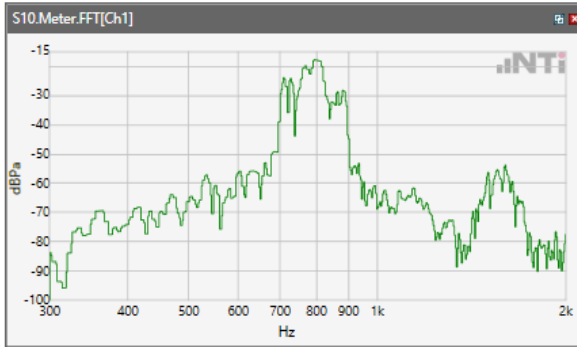
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



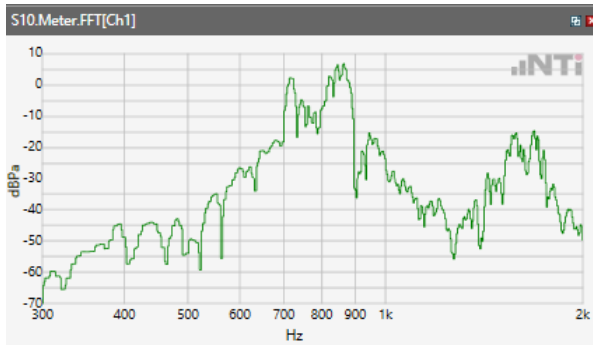
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



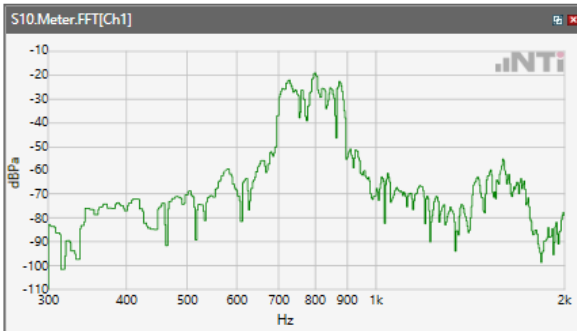
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



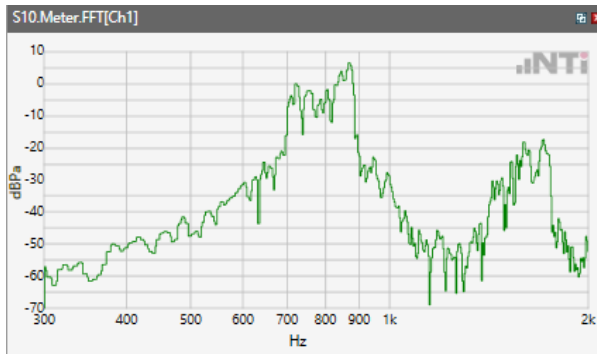
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



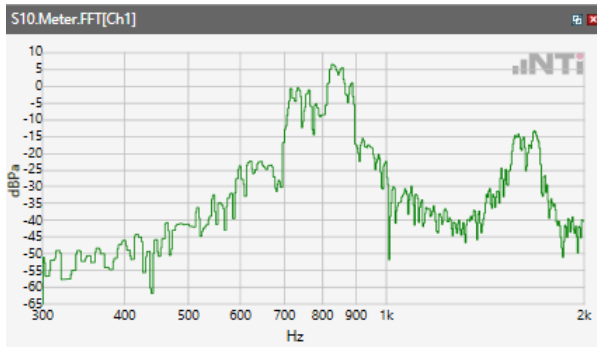
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



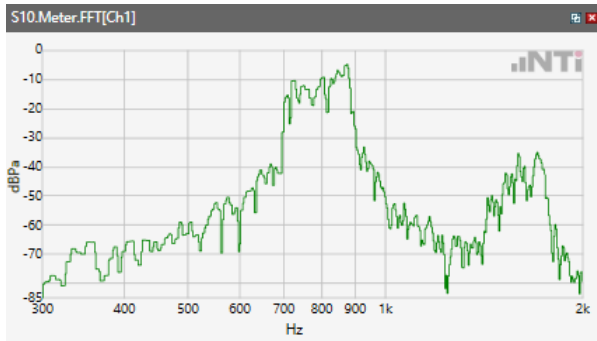
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



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

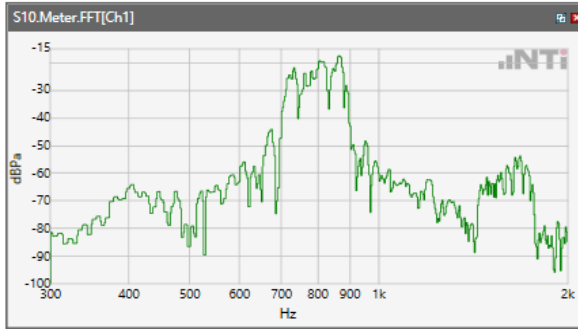


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48

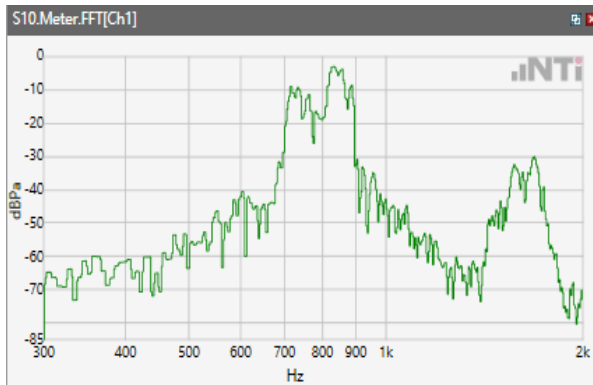




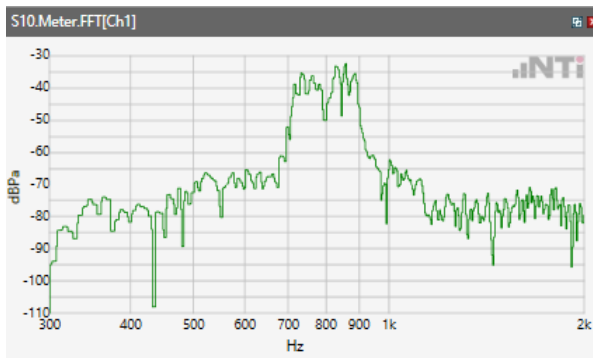
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



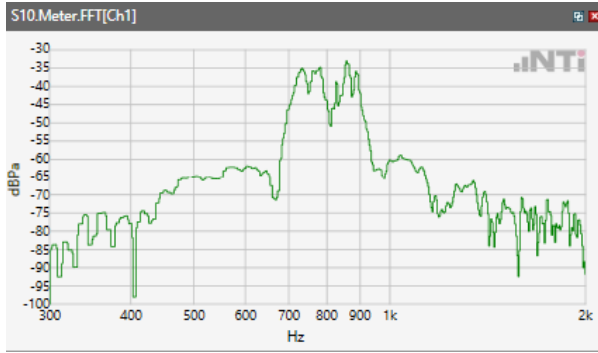
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

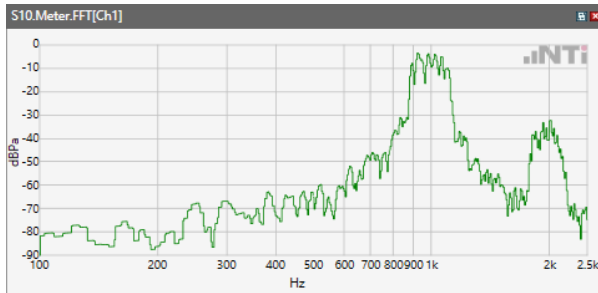


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN  
5.8 GHz

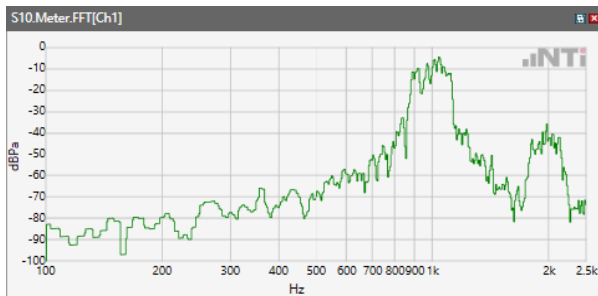


## Receive path - distortion and noise 1000Hz WB&NB

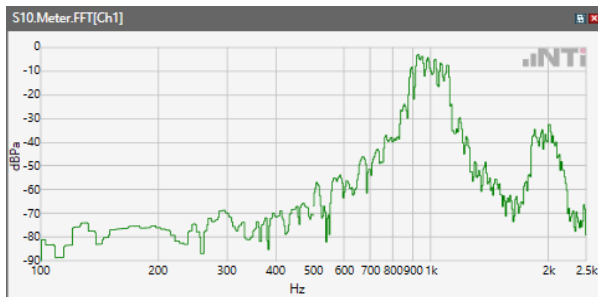
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



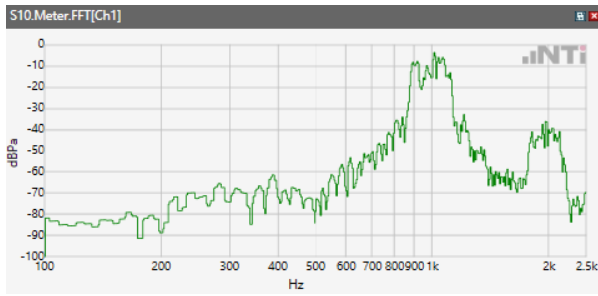
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



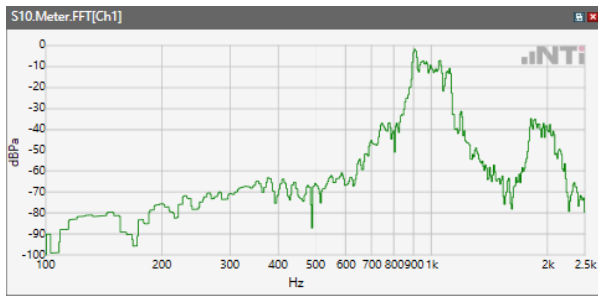
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



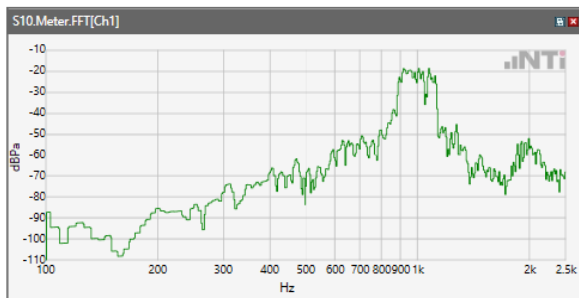
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



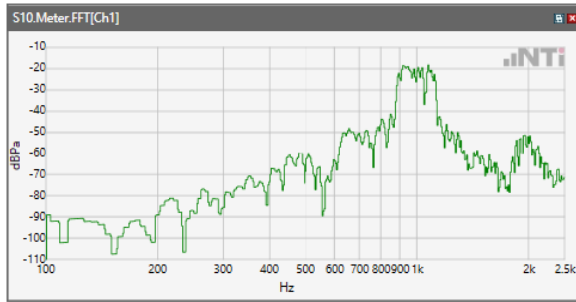
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



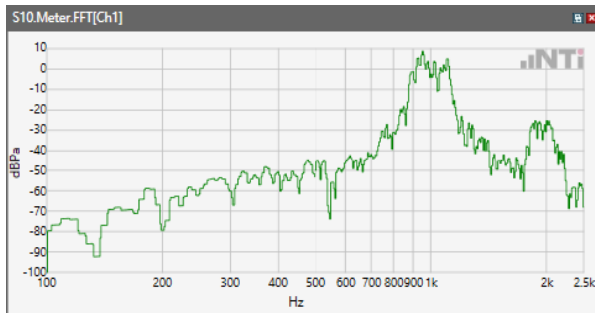
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



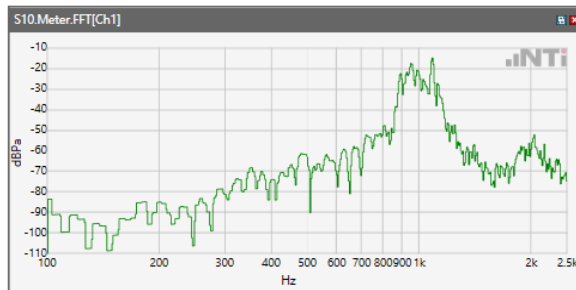
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



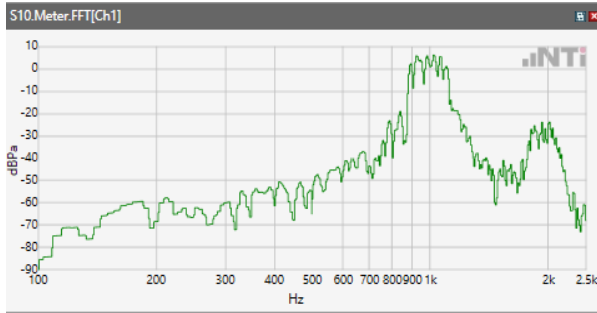
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



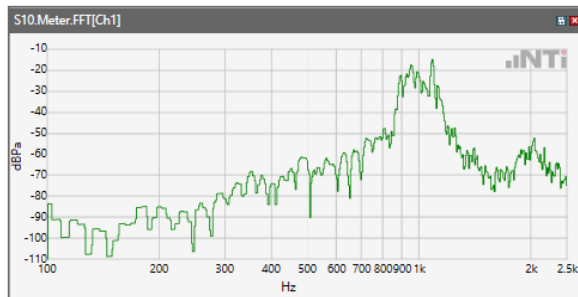
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



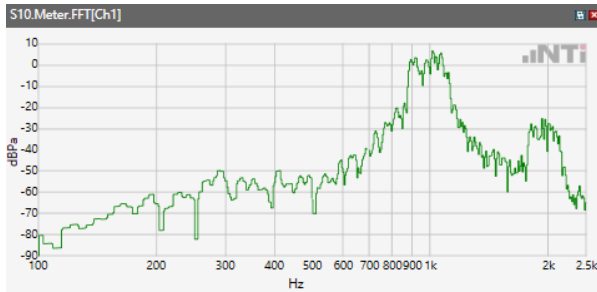
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



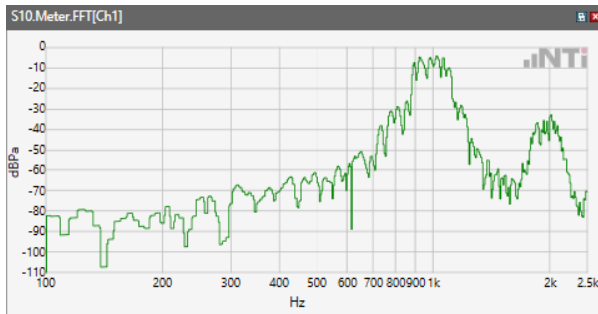
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



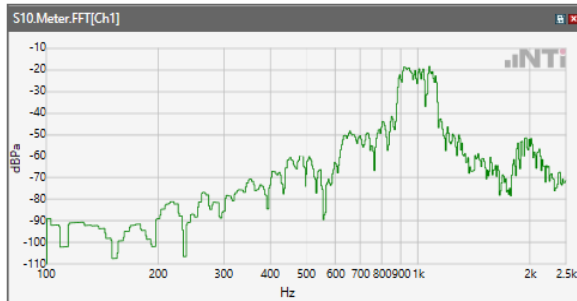
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



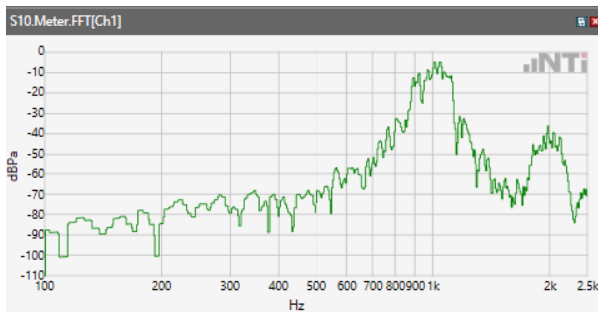
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ LTE Band 66



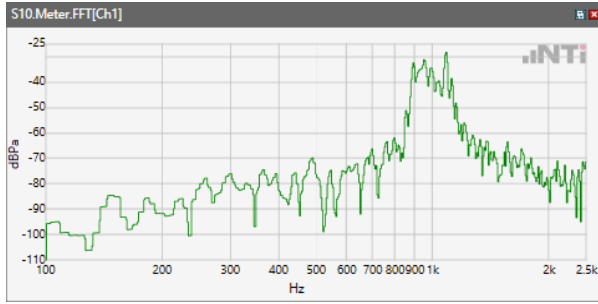
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ WLAN 2.4GHz



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



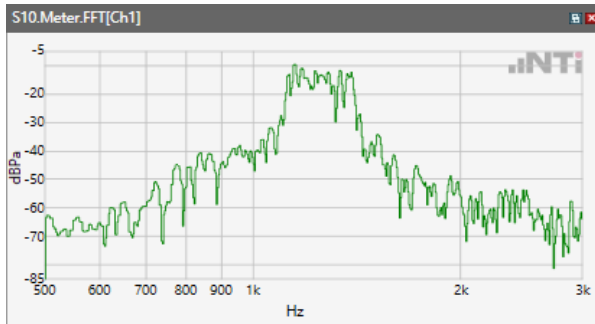
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN  
5.8 GHz



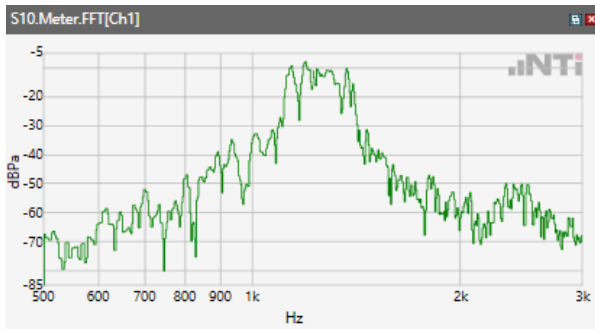


## Receive path - distortion and noise 1250Hz WB&NB

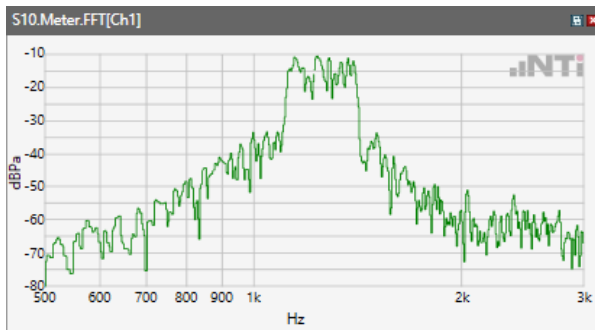
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



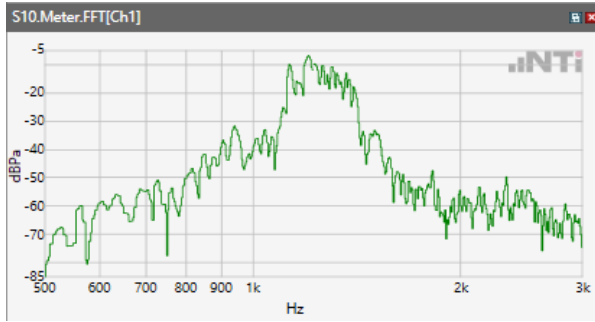
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



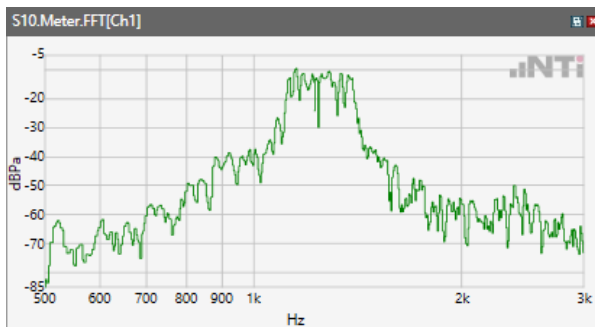
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



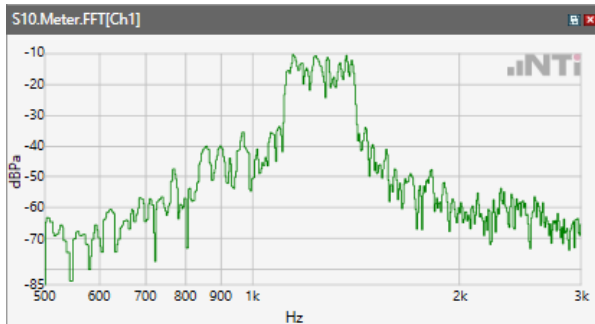
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



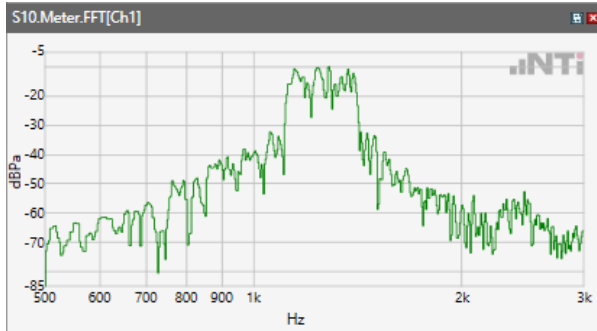
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



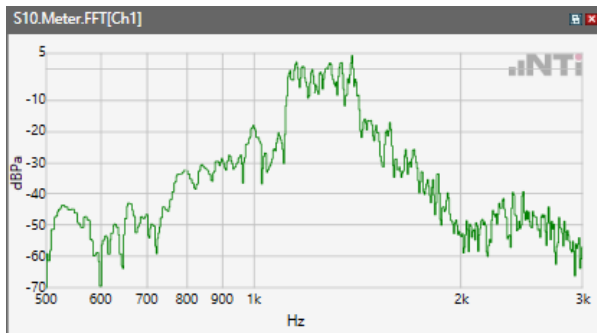
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



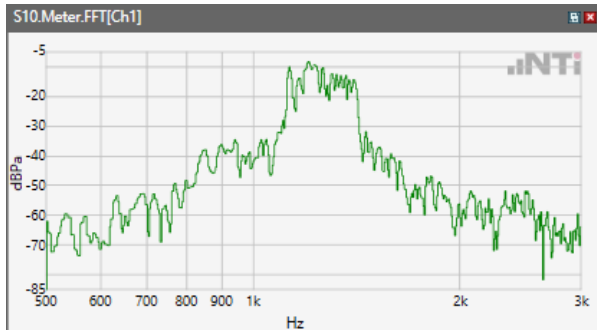
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



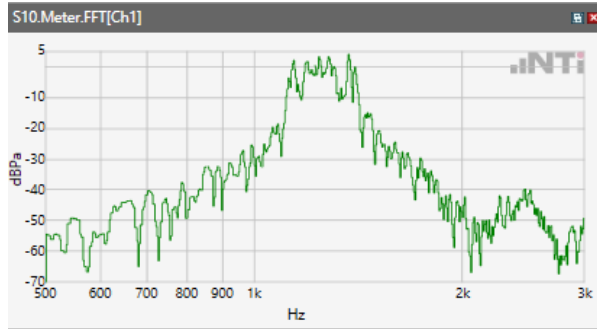
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



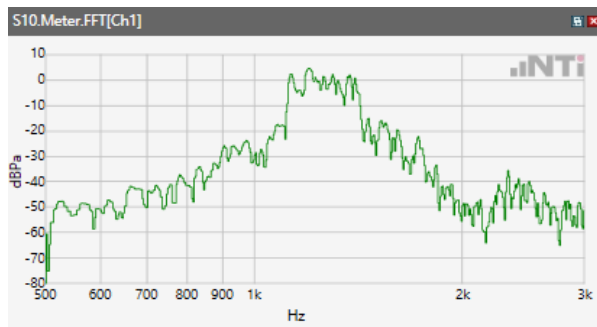
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



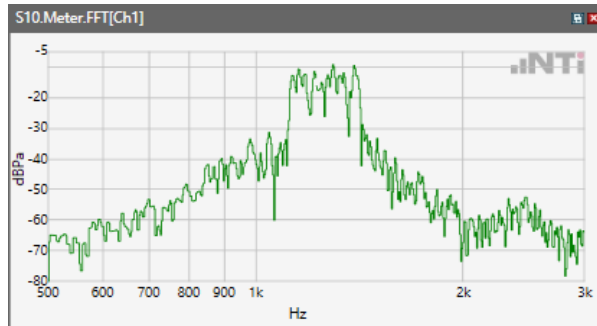
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



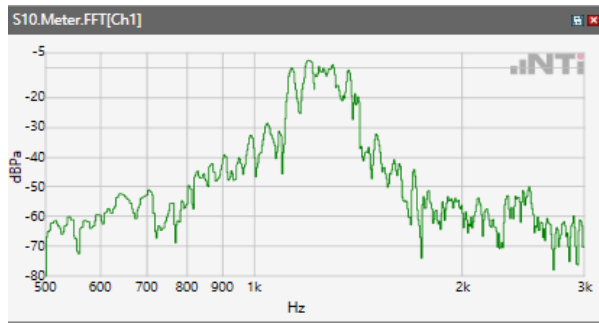
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



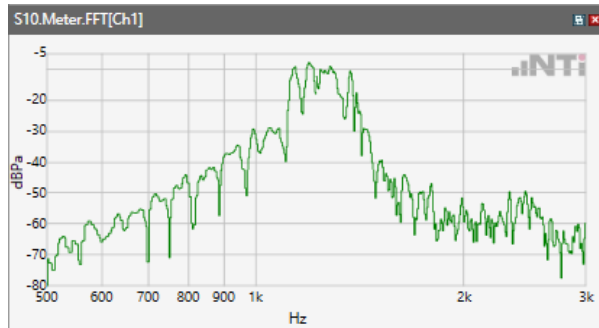
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



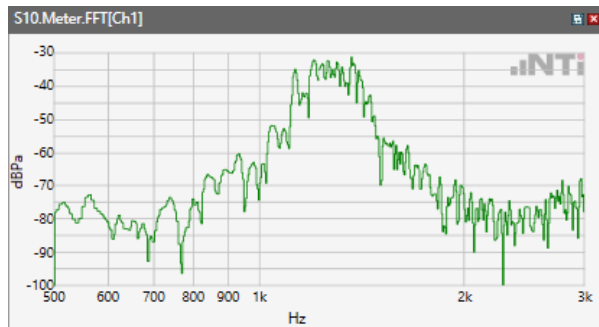
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



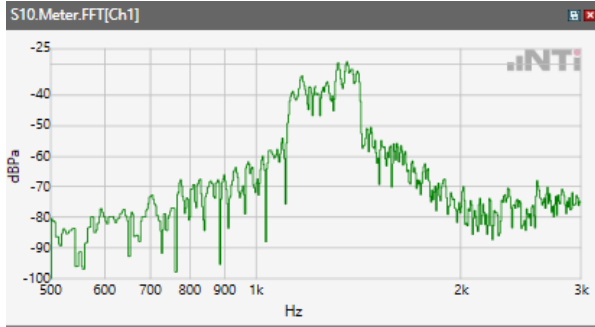
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

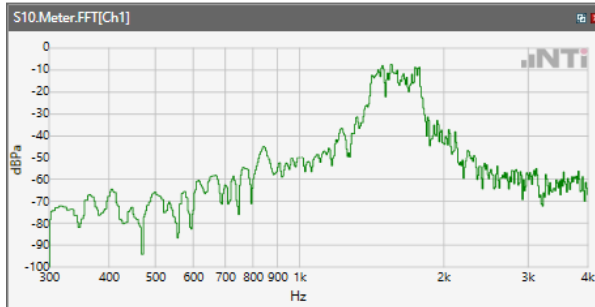


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN  
5.8 GHz

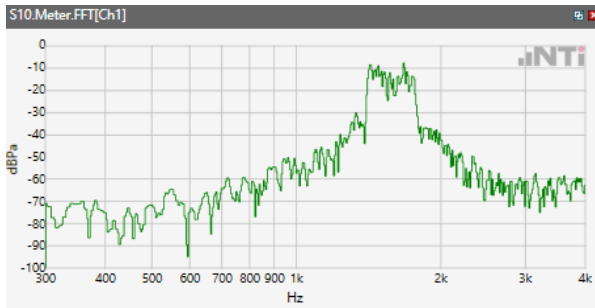


## Receive path - distortion and noise 1600Hz WB&NB

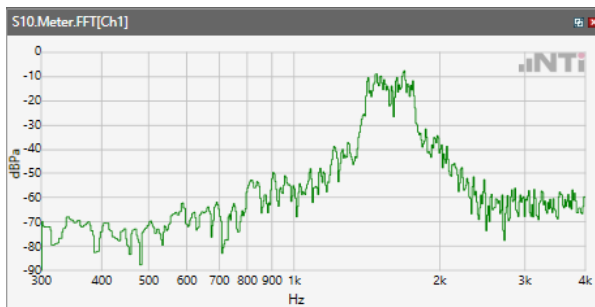
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



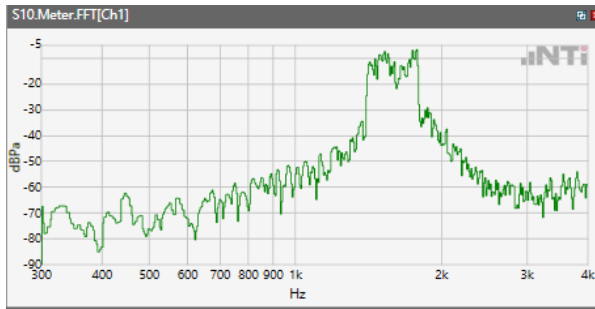
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



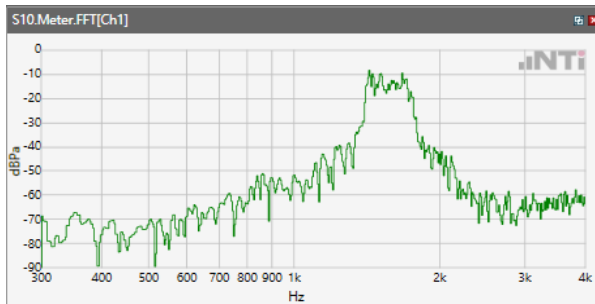
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



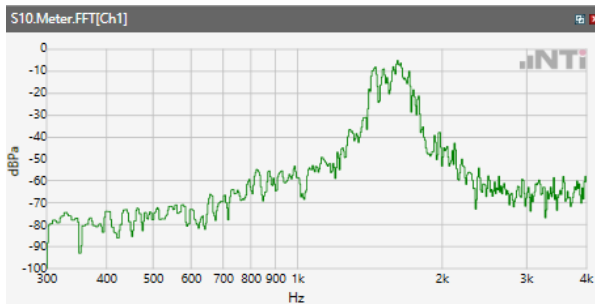
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



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

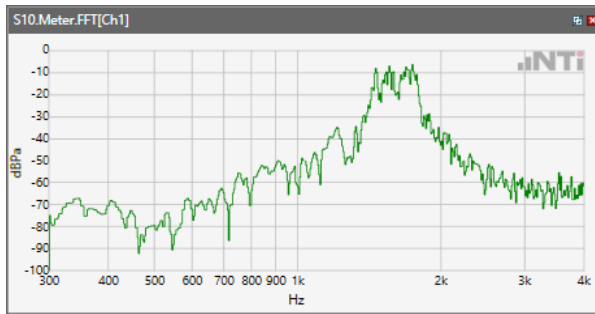


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2

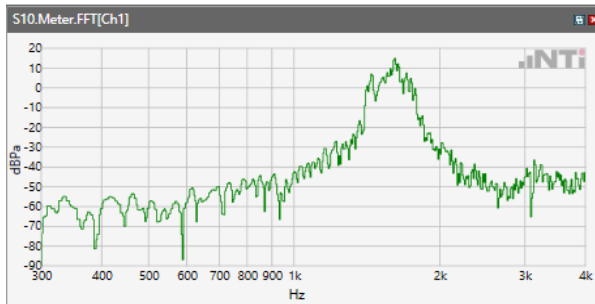




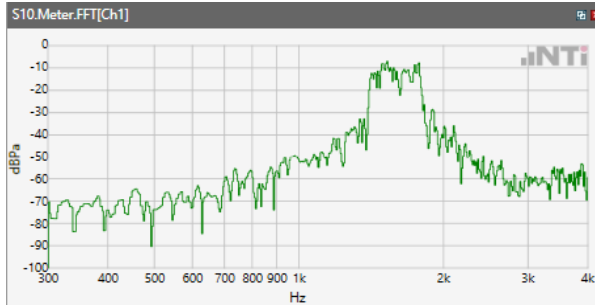
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



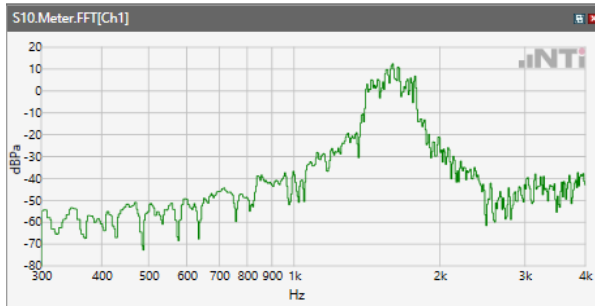
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



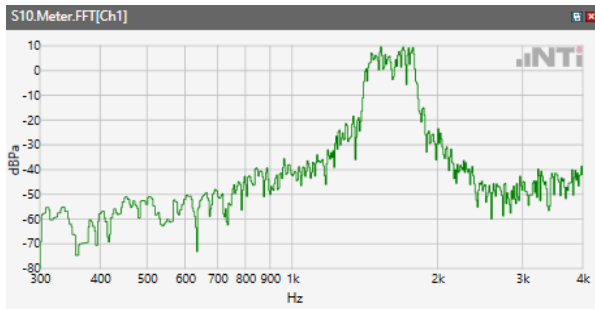
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



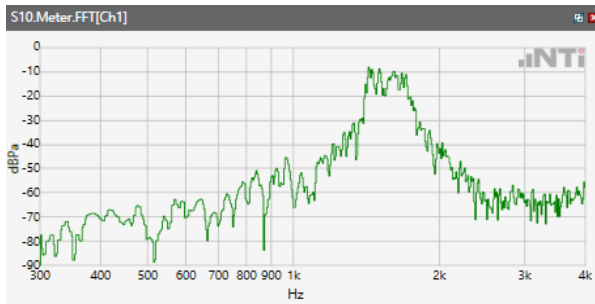
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



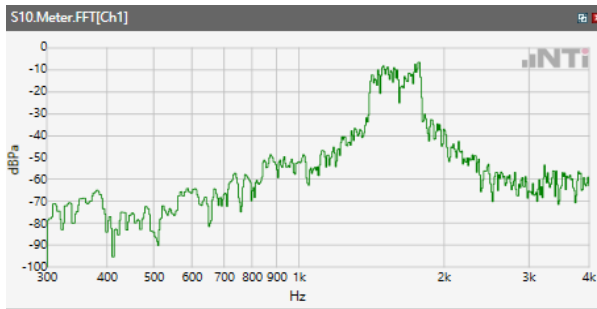
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



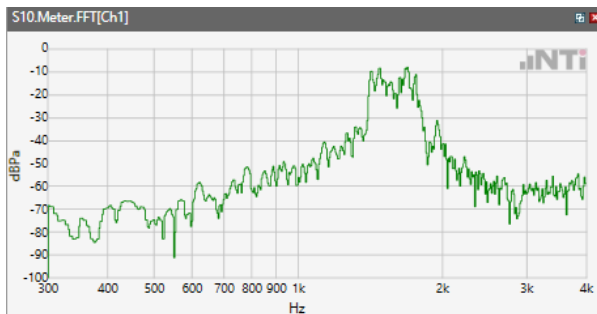
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



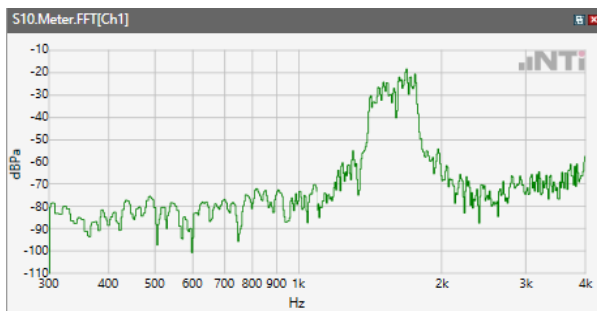
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



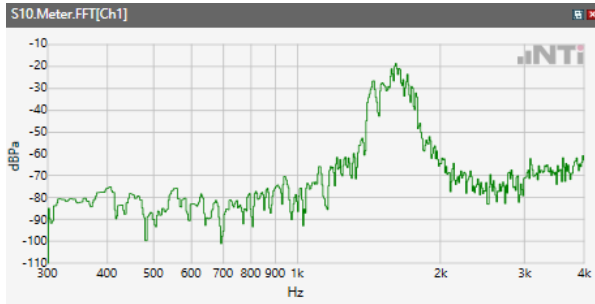
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

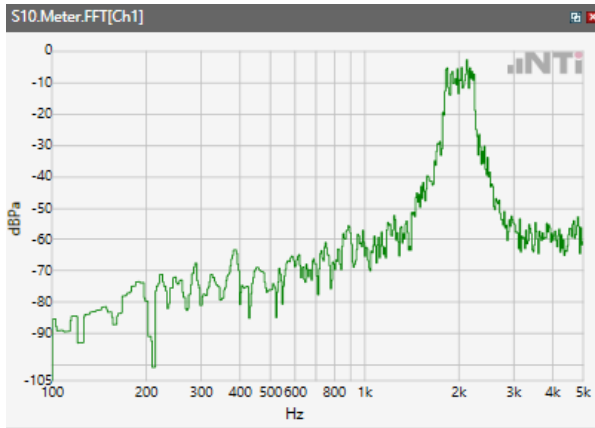


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN  
5.8 GHz

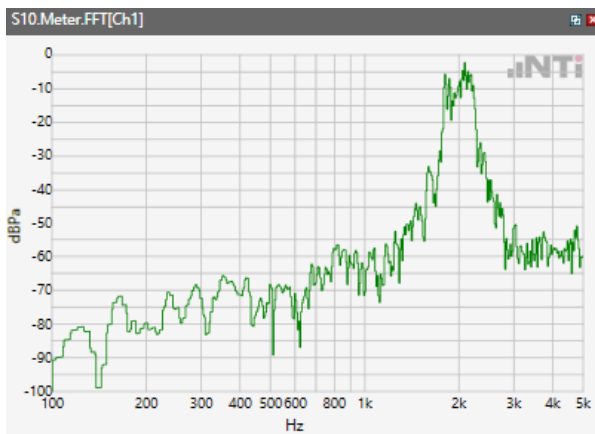


## Receive path - distortion and noise 2000Hz WB&NB

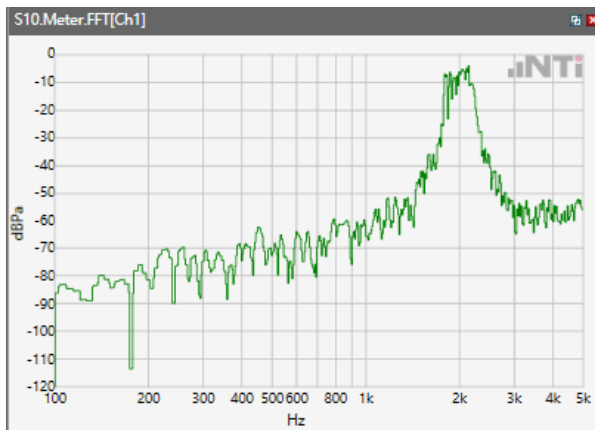
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



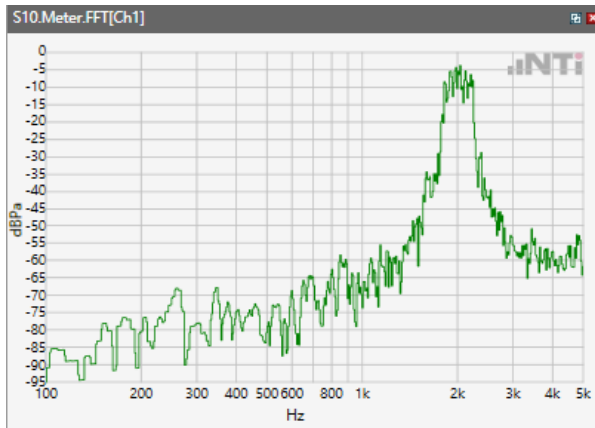
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



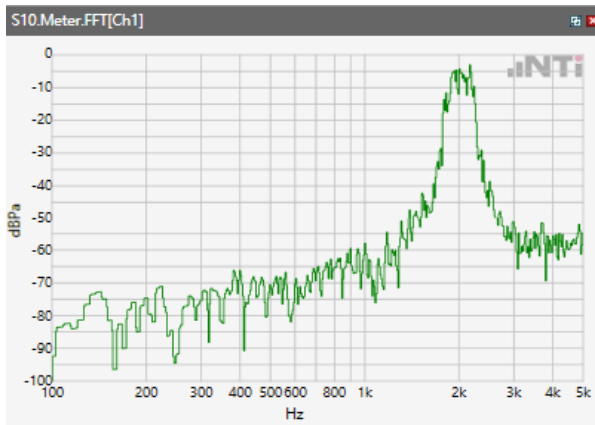
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



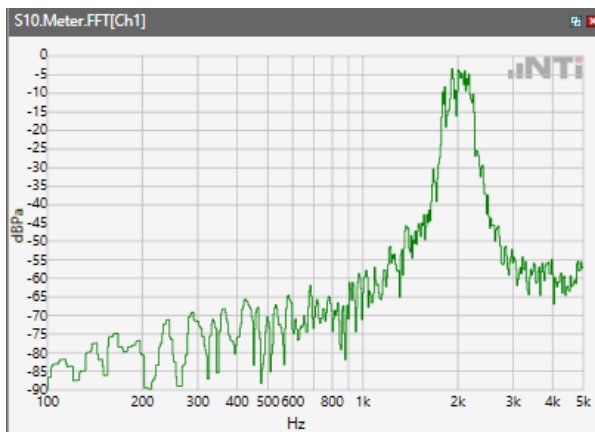
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



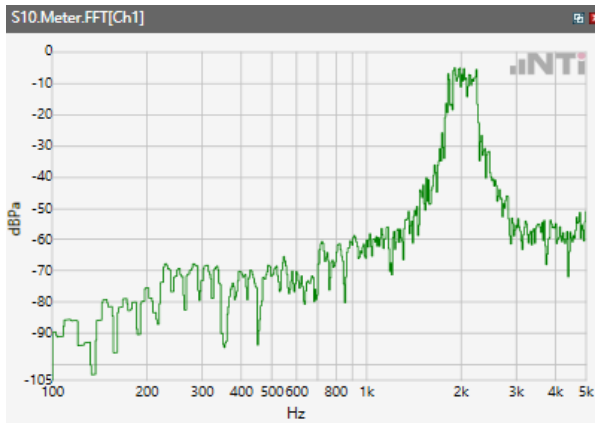
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



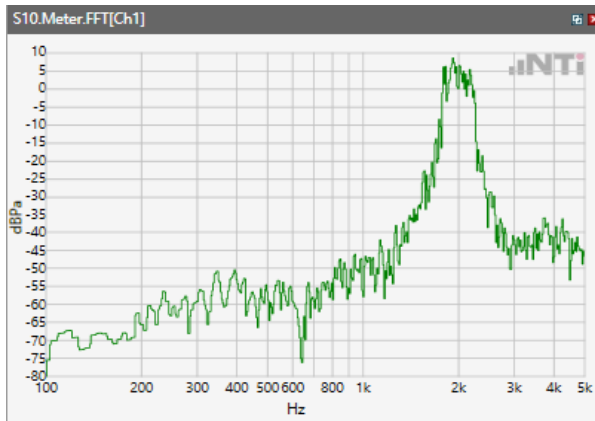
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



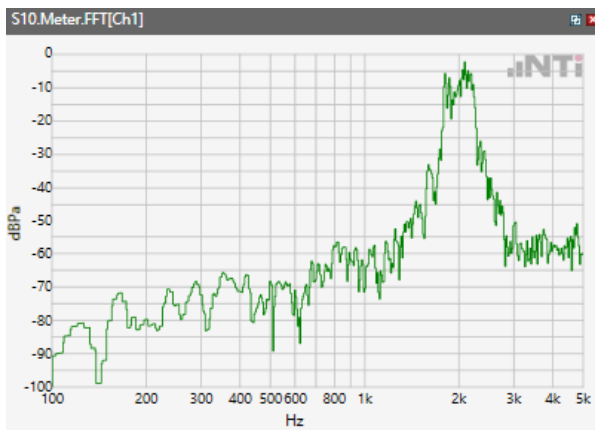
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ LTE Band 4



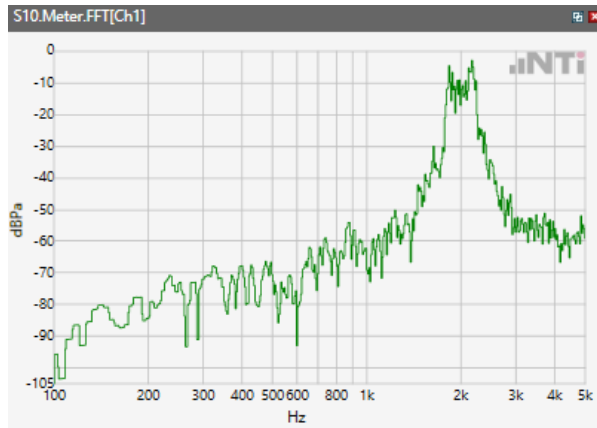
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ LTE Band 5



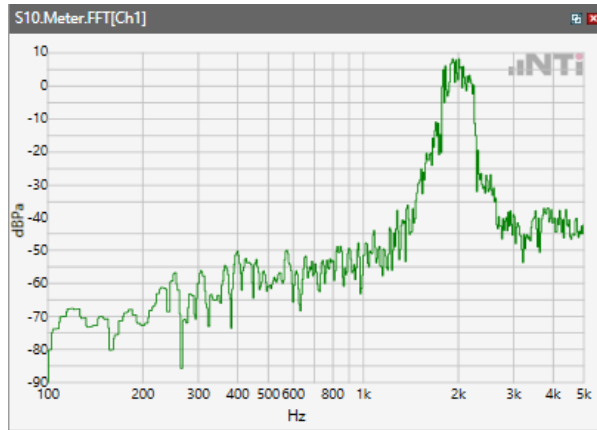
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ LTE Band 7



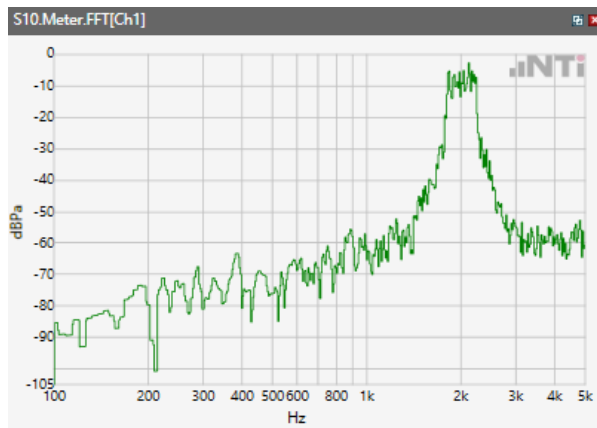
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



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

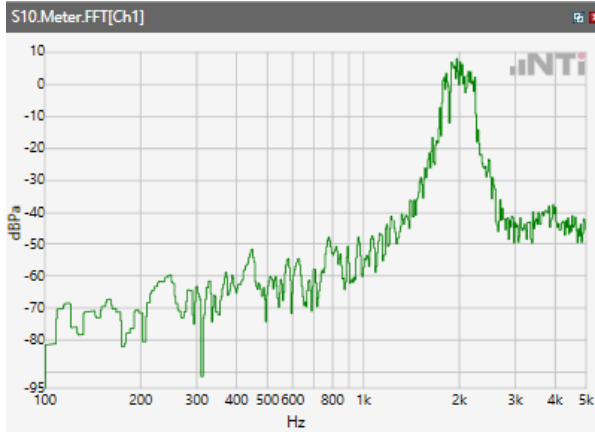


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48

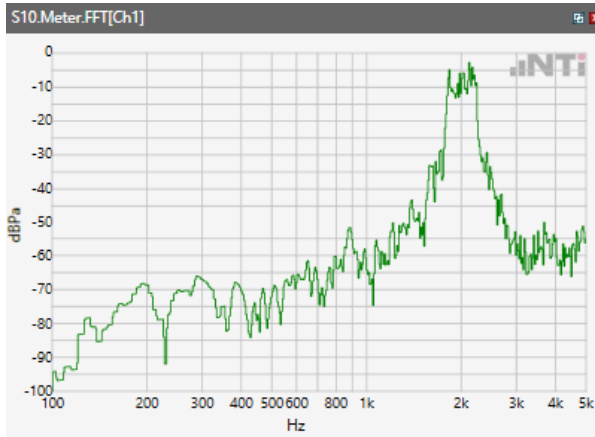




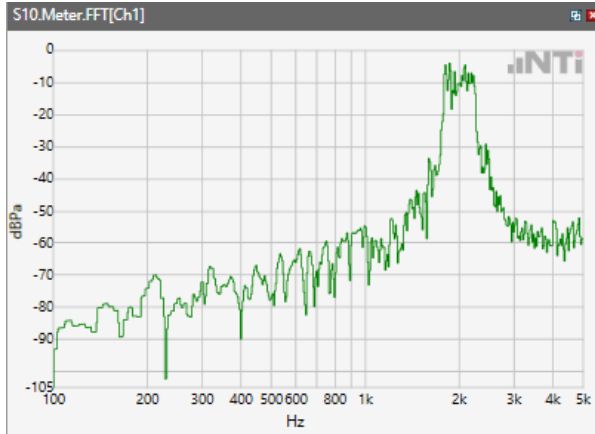
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



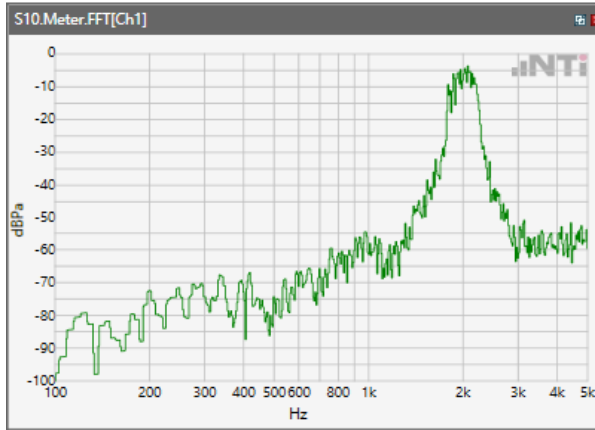
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

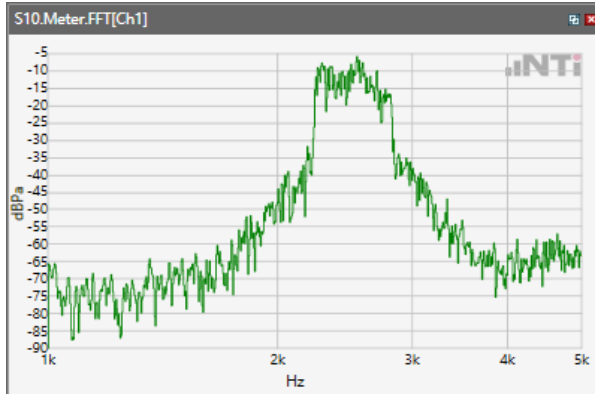


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ WLAN 5.8 GHz

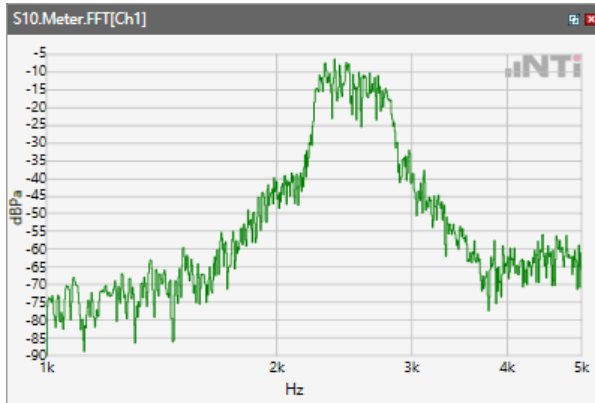


## Receive path - distortion and noise 2500Hz WB&NB

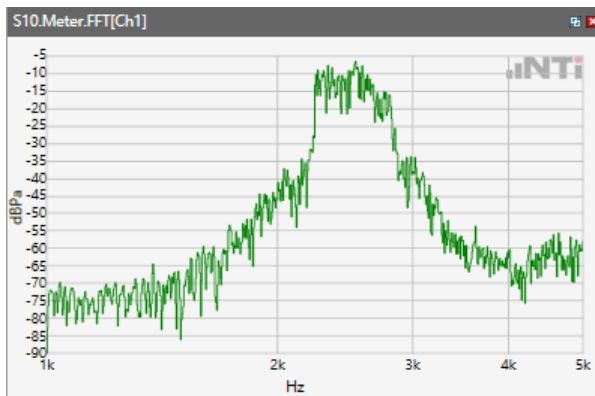
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



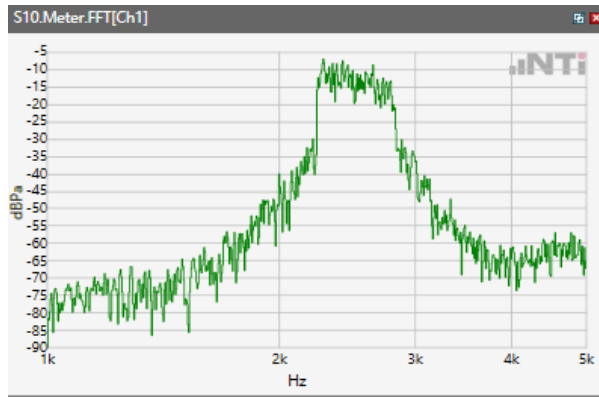
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



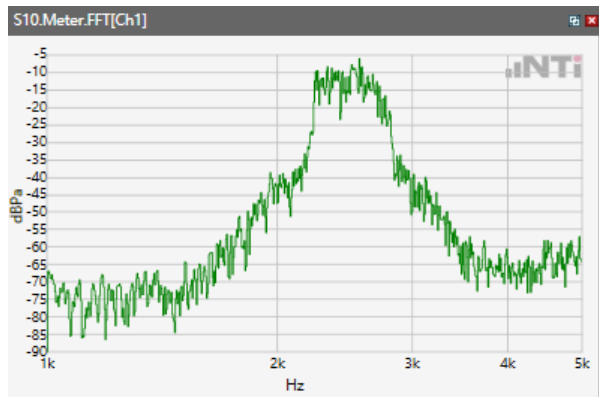
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



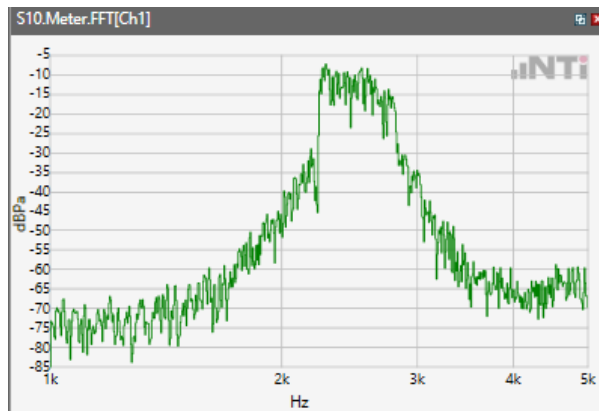
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



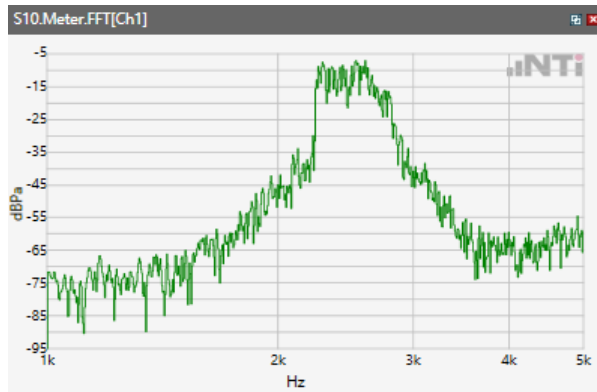
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



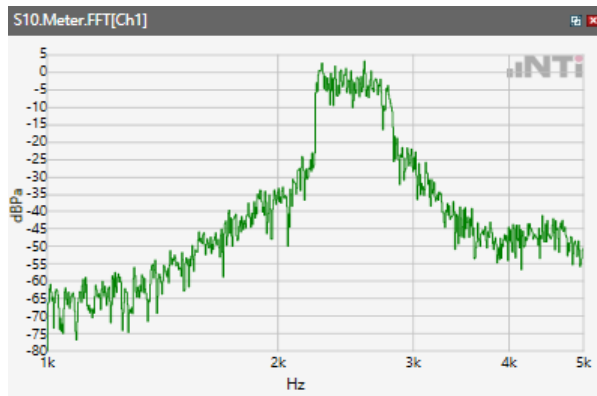
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



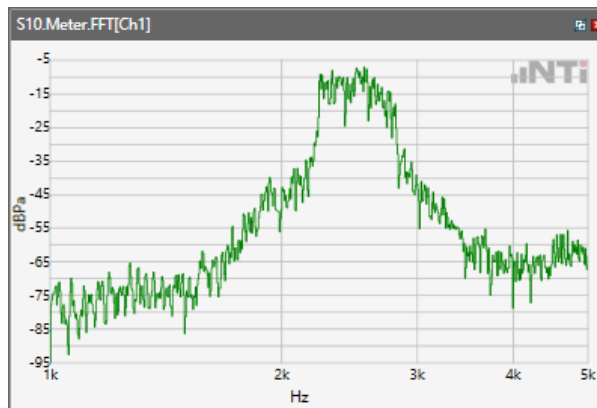
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



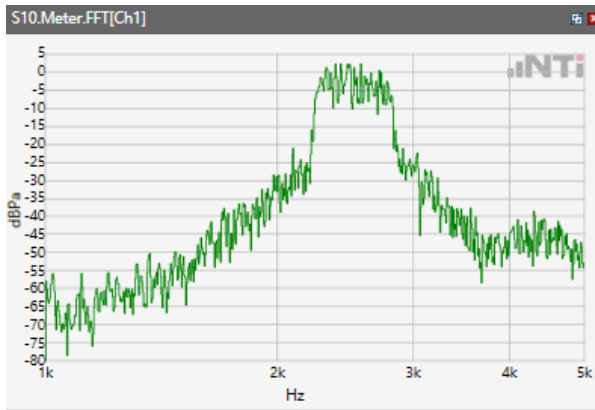
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



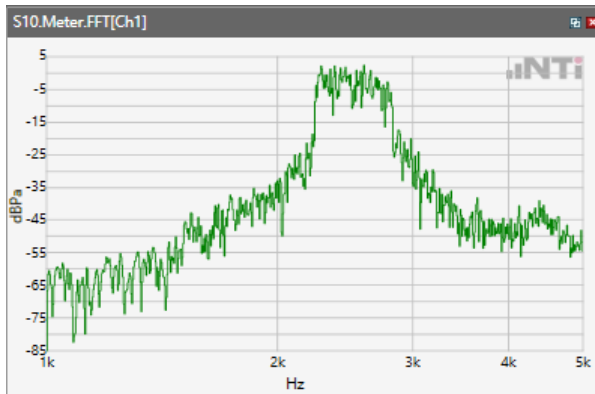
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



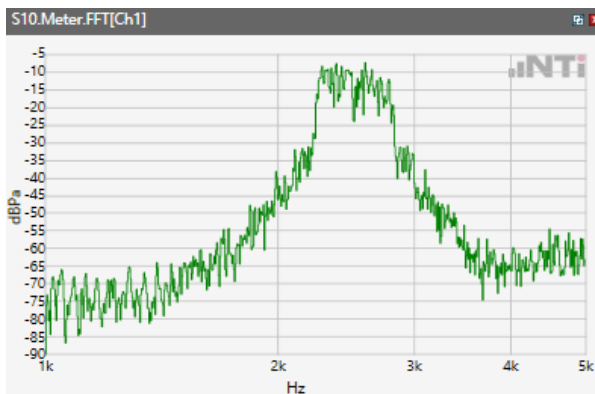
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



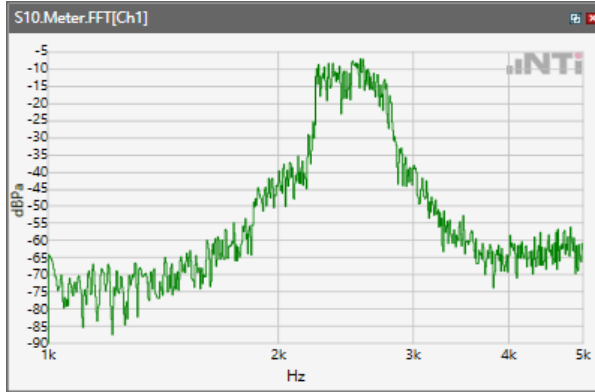
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



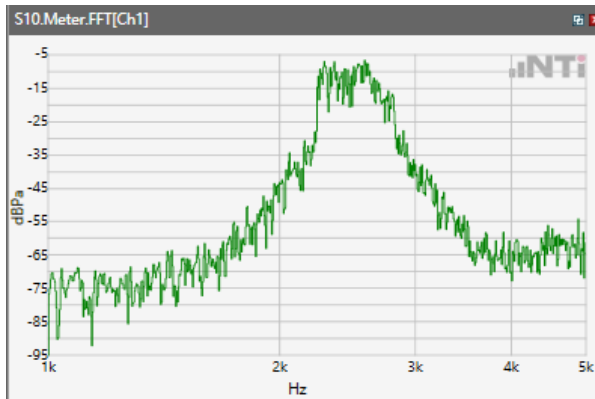
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



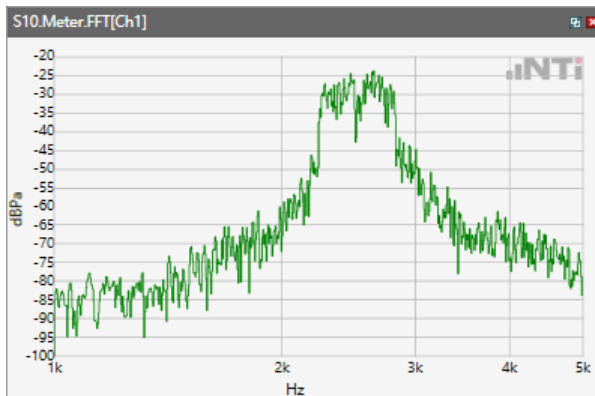
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



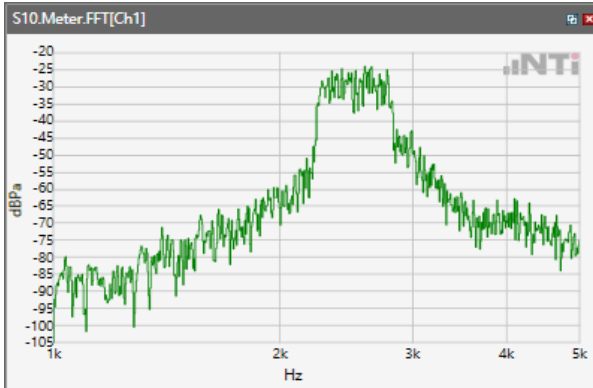
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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



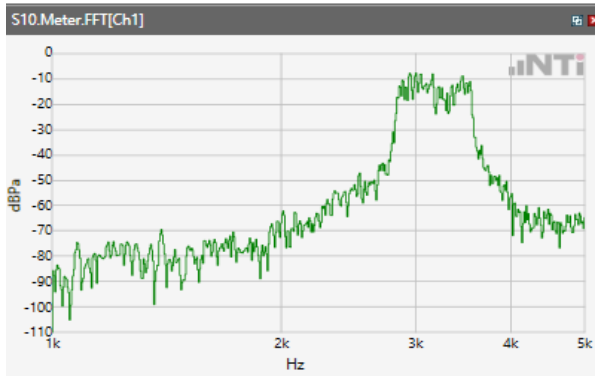
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ WLAN  
5.8 GHz



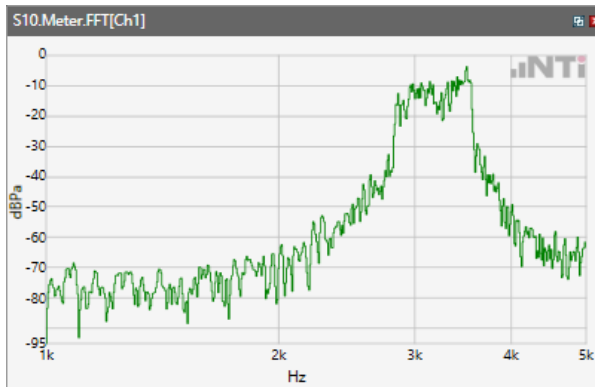


## Receive path - distortion and noise 3150Hz WB&NB

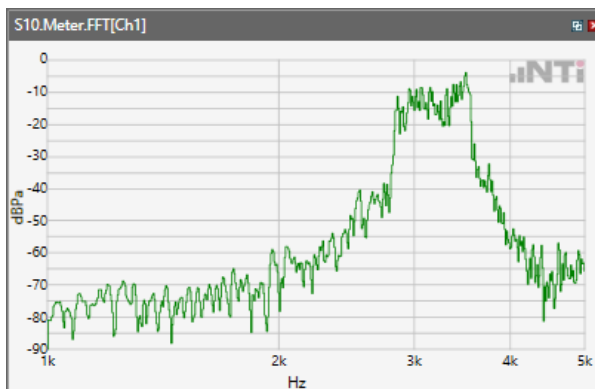
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



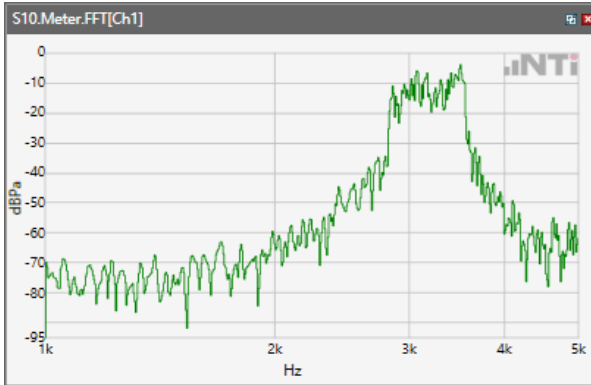
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



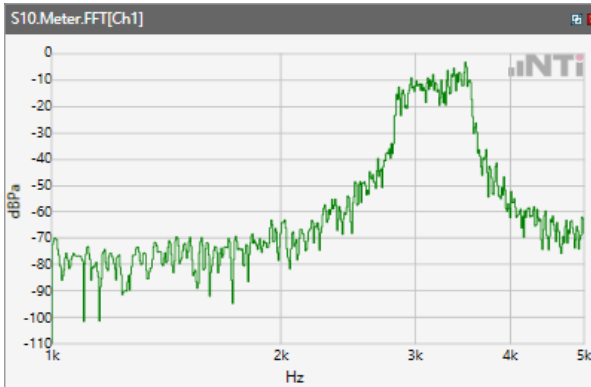
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



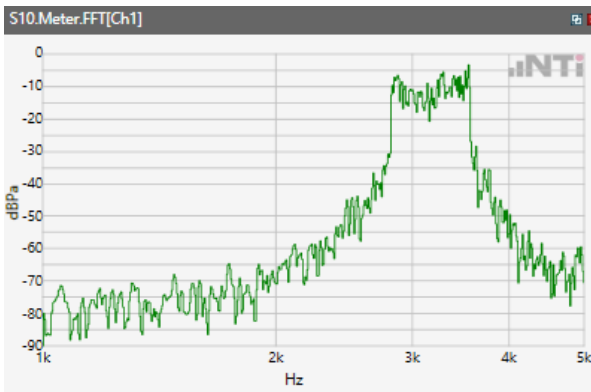
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



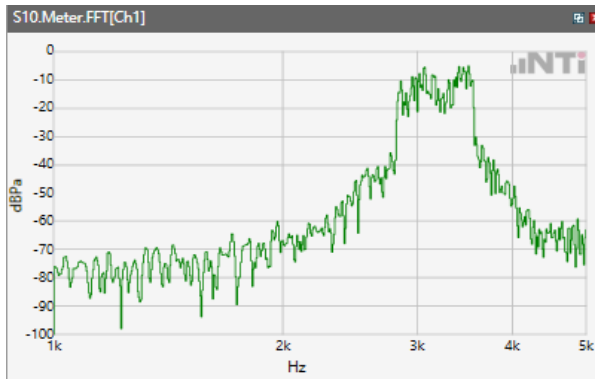
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



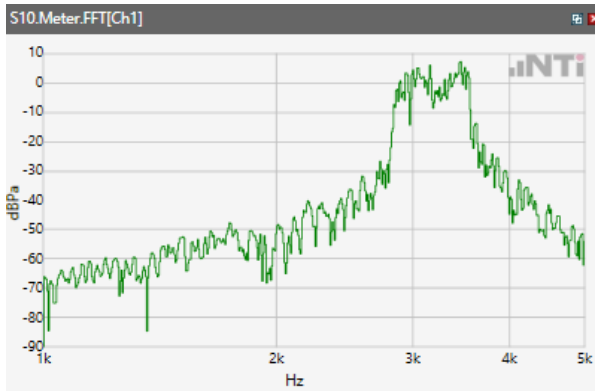
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



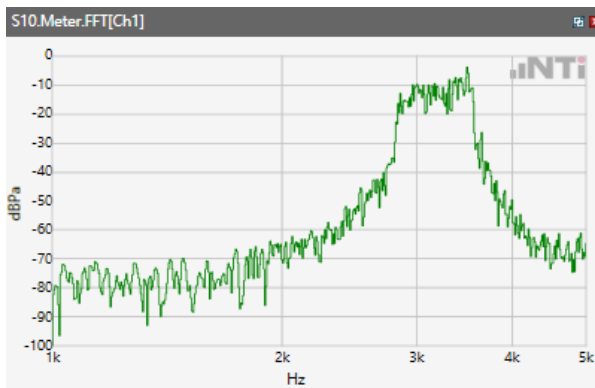
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



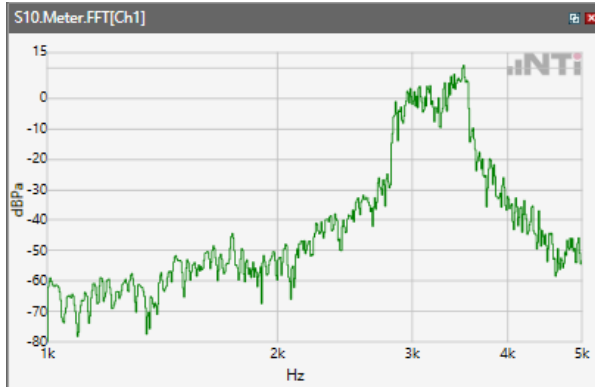
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



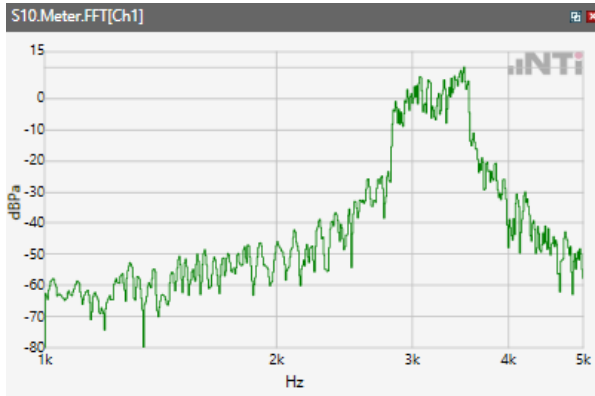
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



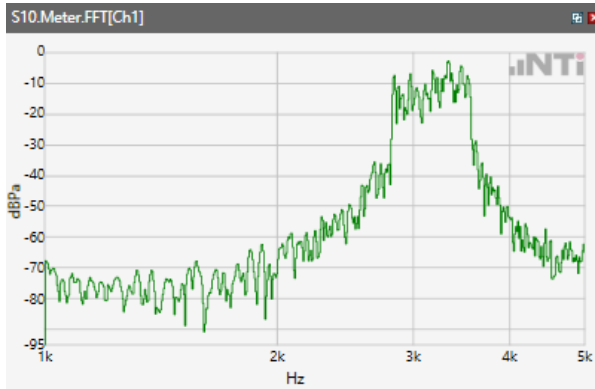
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



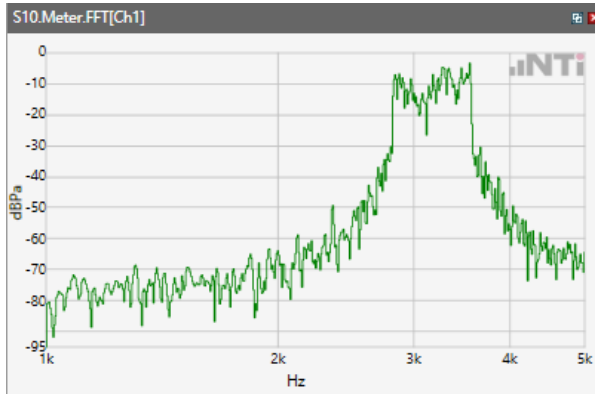
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\ LTE Band 13



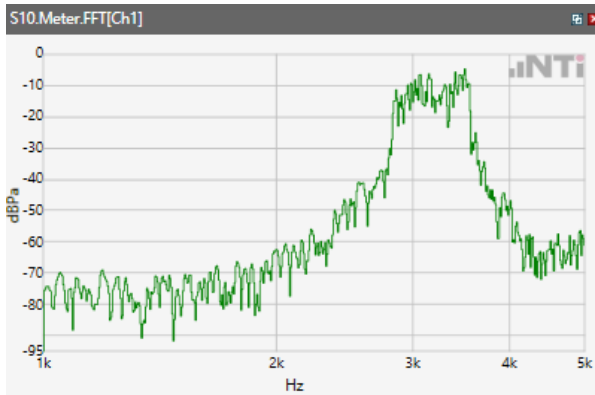
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



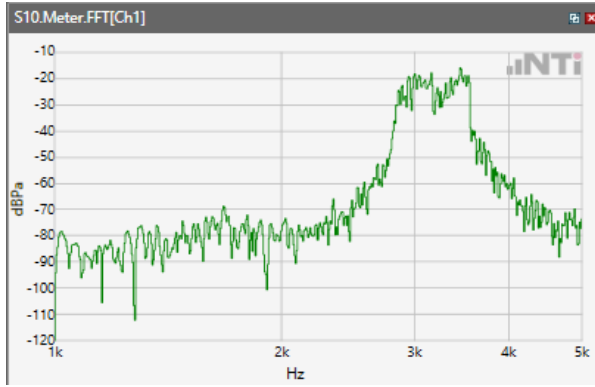
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



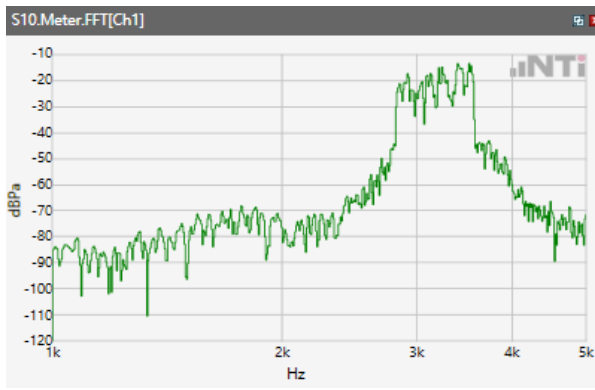
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps \ 5.2 Receive path – distortion and noise \ WLAN 5.8 GHz

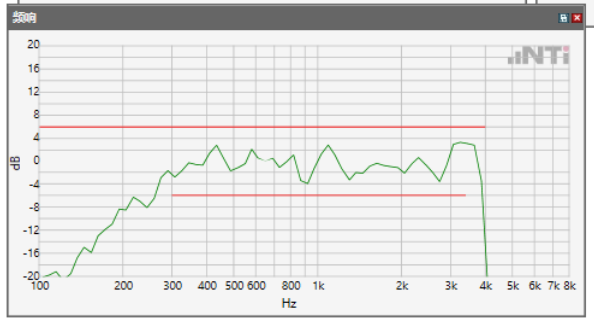


## **5.2 Receive path – distortion and noise**

The distortion and noise test results data are referred to Annex C.

### 5.3 Receive Acoustic Frequency response Performance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\GSM 850



Absolute minimal distance

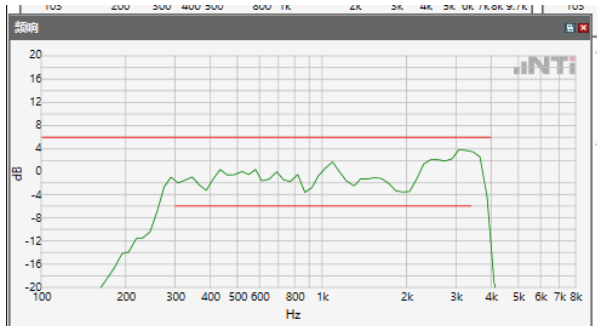
OK

OK

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\GSM 1900



Absolute minimal distance

OK

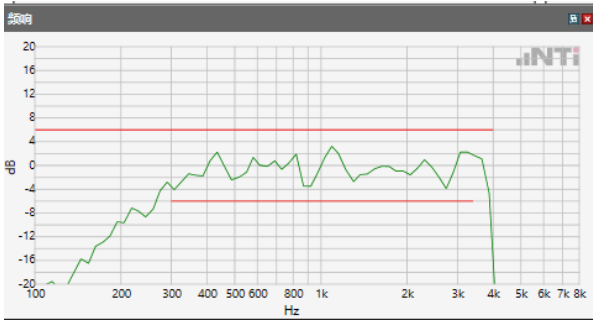
OK

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WCDMA Band II



Absolute minimal distance

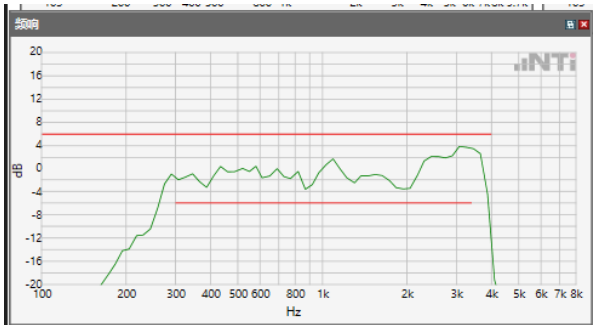
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ WCDMA Band IV



Absolute minimal distance

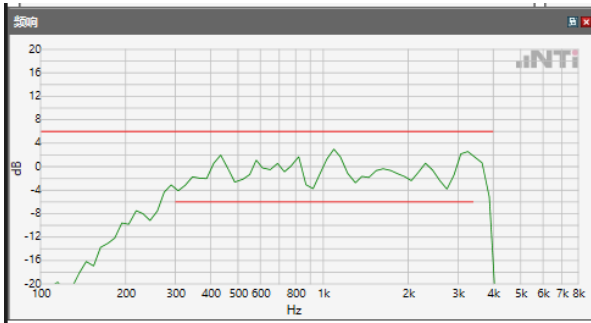
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ WCDMA Band V



Absolute minimal distance

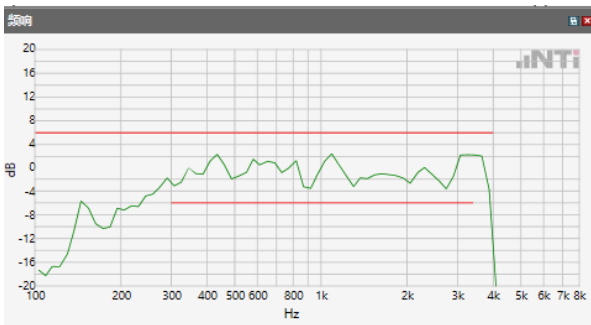
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\LTE Band 2



Absolute minimal distance

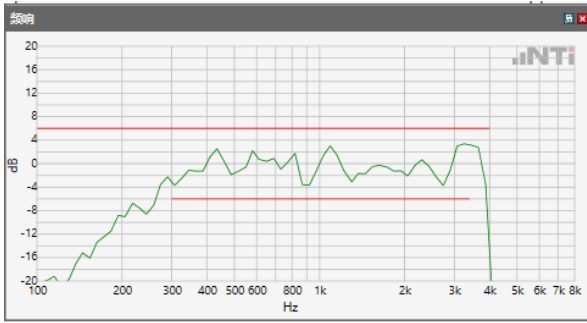
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 4



Absolute minimal distance

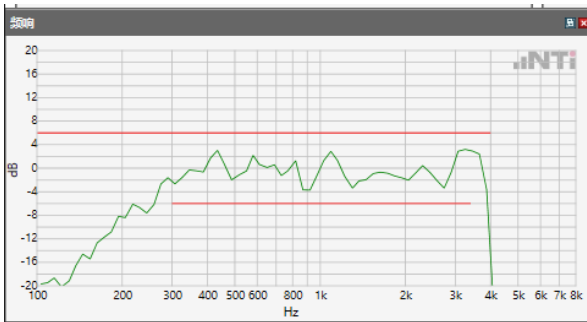
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 5



Absolute minimal distance

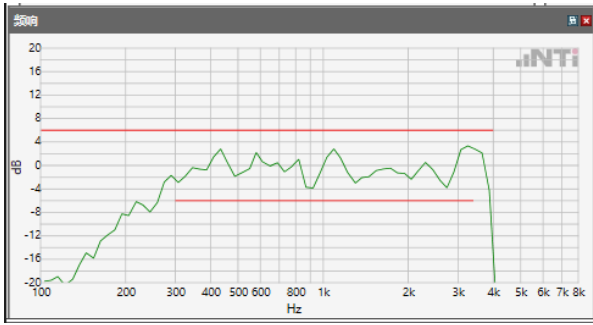
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 7



Absolute minimal distance

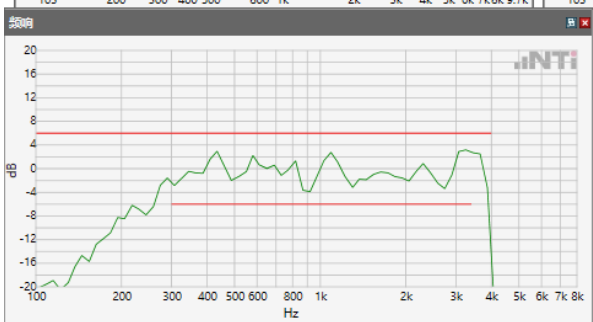
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 12



Absolute minimal distance

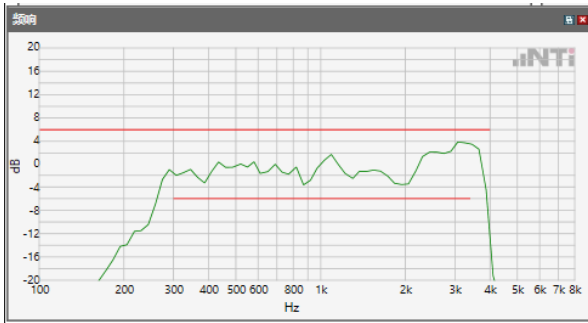
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 13



Absolute minimal distance

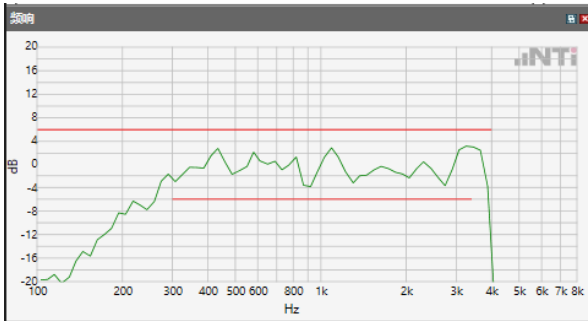
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 48



Absolute minimal distance

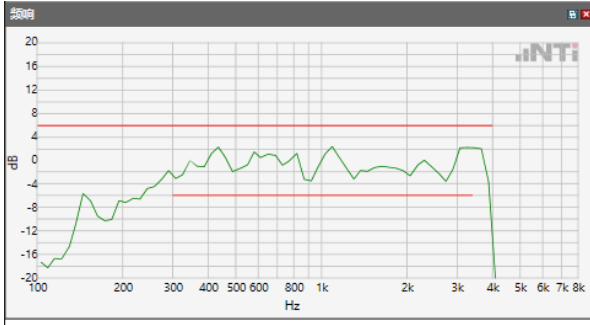
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 66



Absolute minimal distance

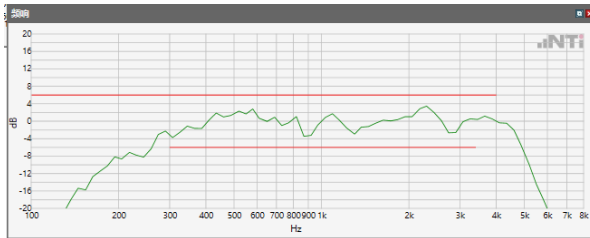
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 2.4GHz



Absolute minimal distance

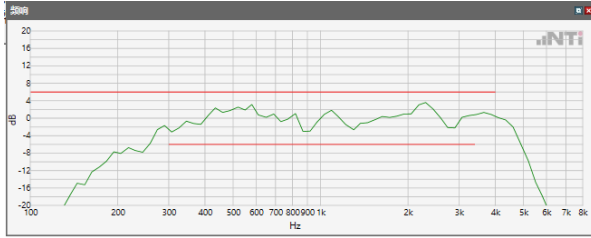
OK

OK

Limits

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.2GHz



Absolute minimal distance

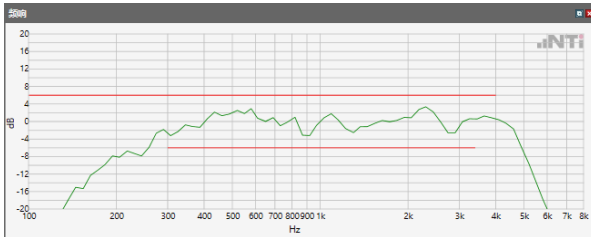
OK

OK

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.8GHz



Absolute minimal distance

OK

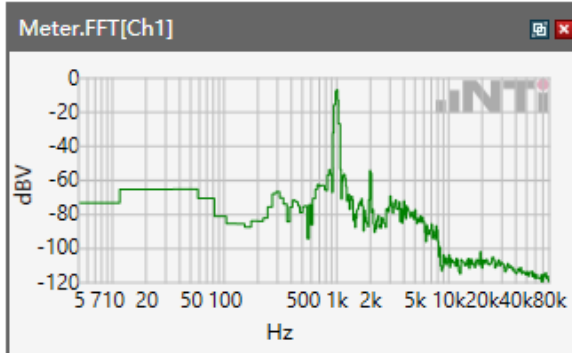
OK

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

## 5.1 Receive Volume Control Performance 8N---WB

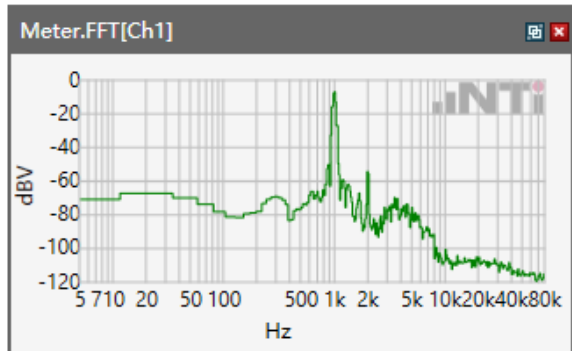
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ WCDMA Band II



Speech Level RCV: 83.42 dB[SPL]

Calculated Value: 13.42 dB Ok

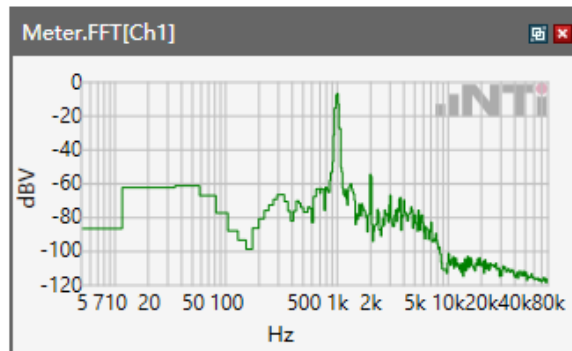
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ WCDMA Band IV



Speech Level RCV: 83.36 dB[SPL]

Calculated Value: 13.36 dB Ok

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

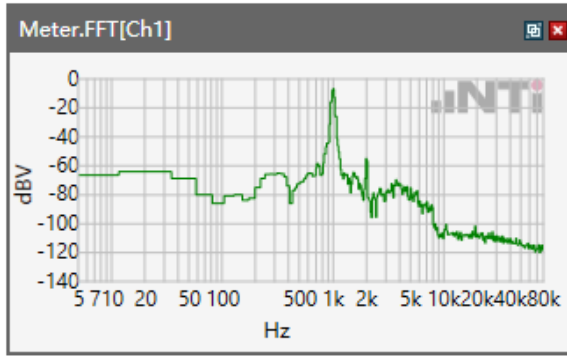


Speech Level RCV: 83.33 dB[SPL]

Calculated Value: 13.33 dB Ok



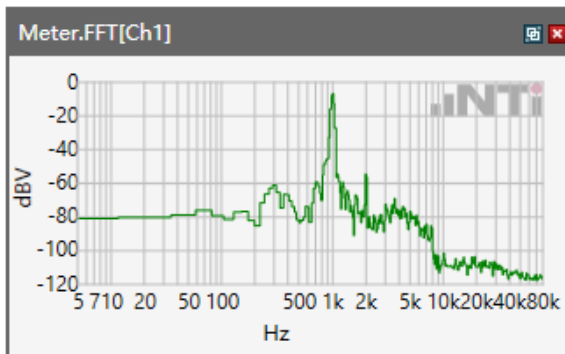
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 2



Speech Level RCV: 83.37 dB[SPL]

Calculated Value: 13.37 dB Ok

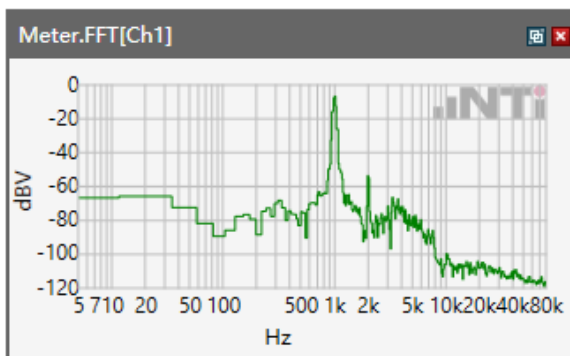
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 4



Speech Level RCV: 83.32 dB[SPL]

Calculated Value: 13.32 dB Ok

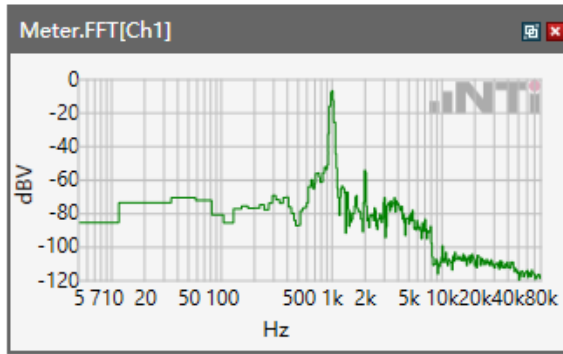
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 5



Speech Level RCV: 83.28 dB[SPL]

Calculated Value: 13.28 dB Ok

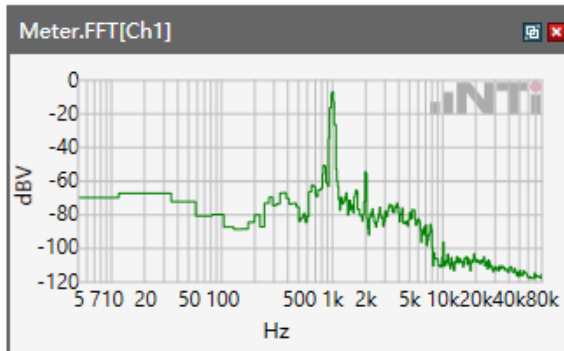
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 7



Speech Level RCV: 83.44 dB[SPL]

Calculated Value: 13.44 dB Ok

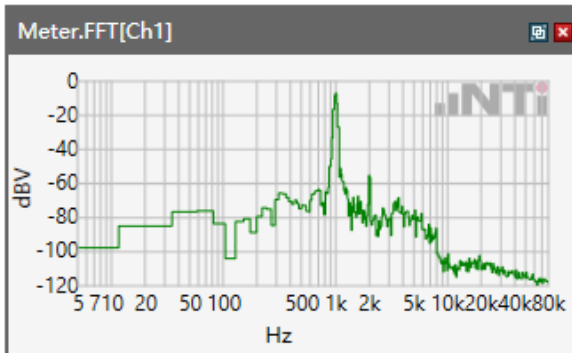
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 12



Speech Level RCV: 83.31 dB[SPL]

Calculated Value: 13.31 dB Ok

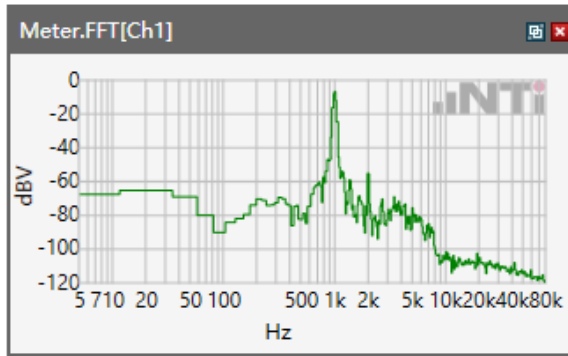
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 13



Speech Level RCV: 83.17 dB[SPL]

Calculated Value: 13.17 dB Ok

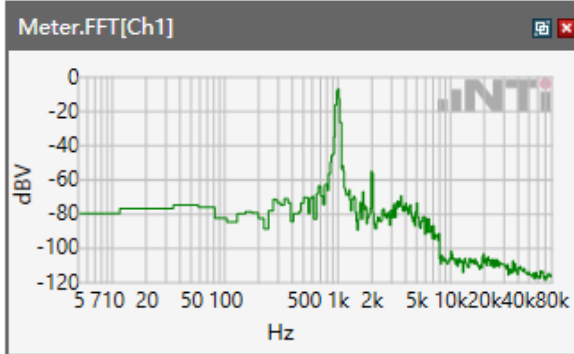
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 48



Speech Level RCV: 105.2 dB[SPL]

Calculated Value: 35.2 dB Ok

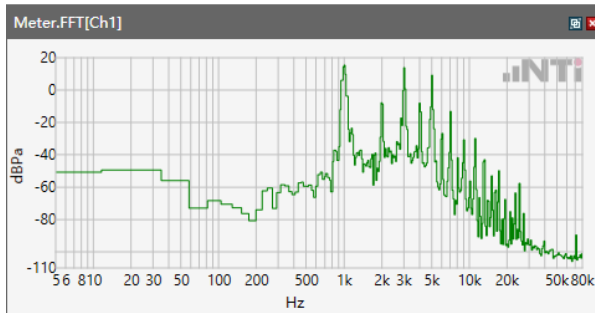
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 66



Speech Level RCV: 83.37 dB[SPL]

Calculated Value: 13.37 dB Ok

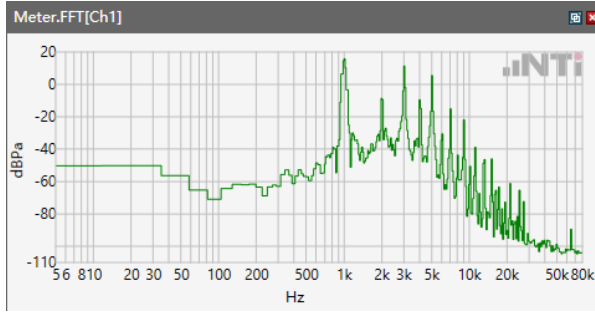
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ WLAN 2.4GHz



Speech Level RCV: 105.9 dB[SPL]

Calculated Value: 35.9 dB Ok

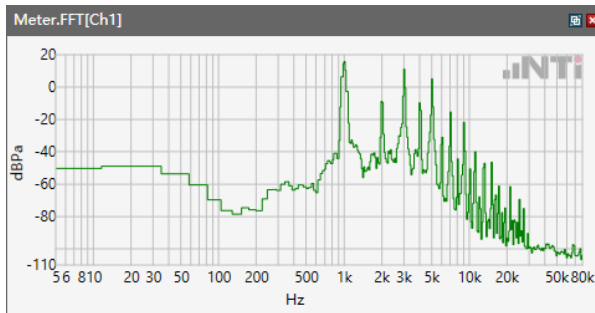
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ WLAN 5.2GHz



Speech Level RCV: 103.9 dB[SPL]

Calculated Value: 33.9 dB Ok

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ WLAN 5.8GHz

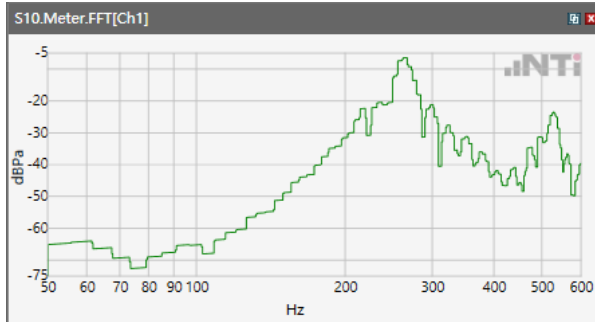


Speech Level RCV: 103.2 dB[SPL]

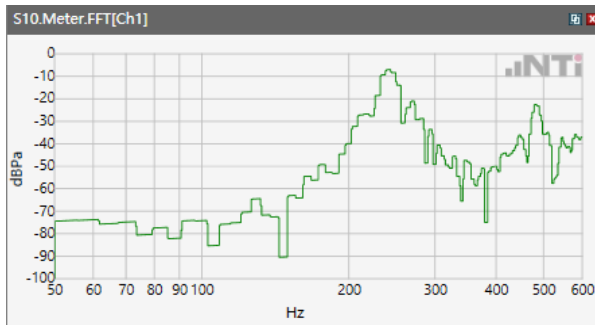
Calculated Value: 33.2 dB Ok

## Receive path - distortion and noise 250 WB only

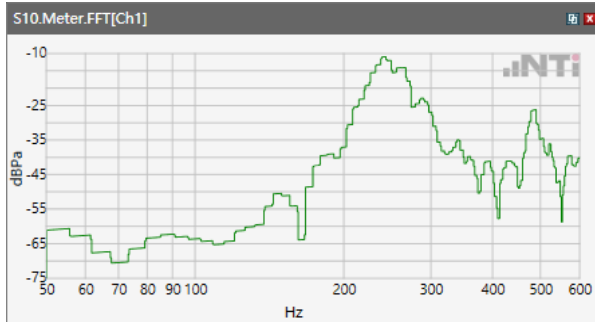
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



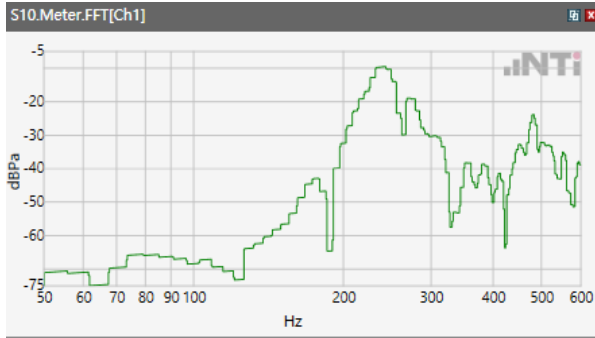
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



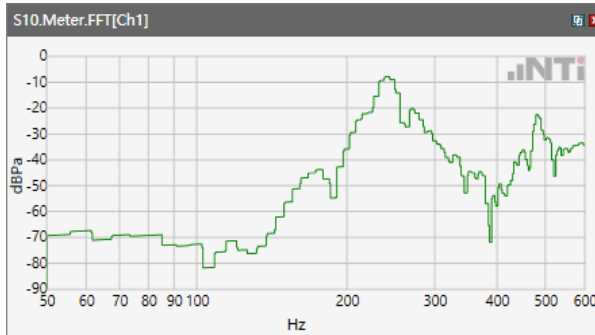
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



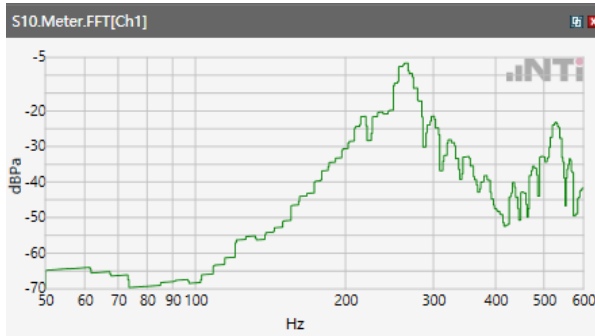
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



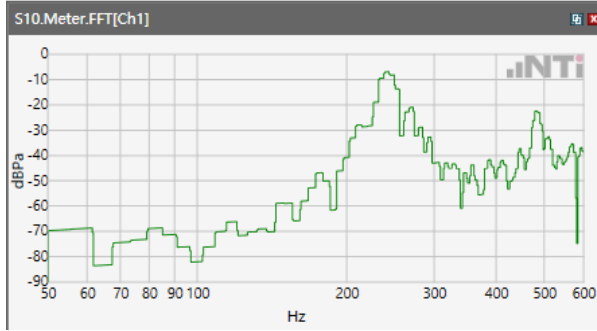
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



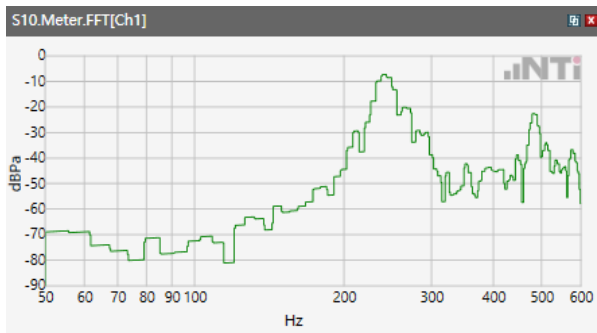
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



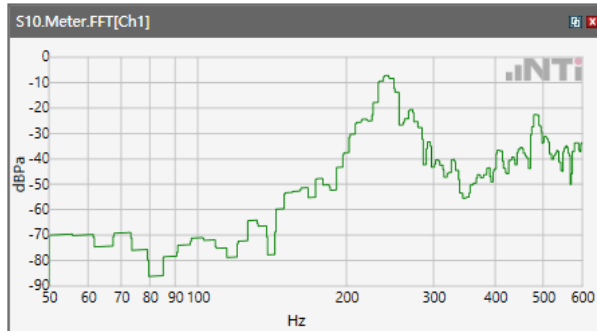
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



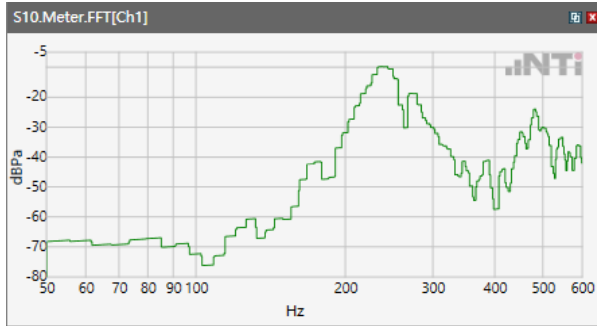
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



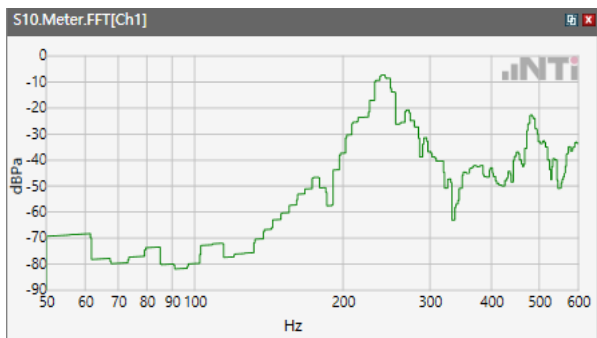
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



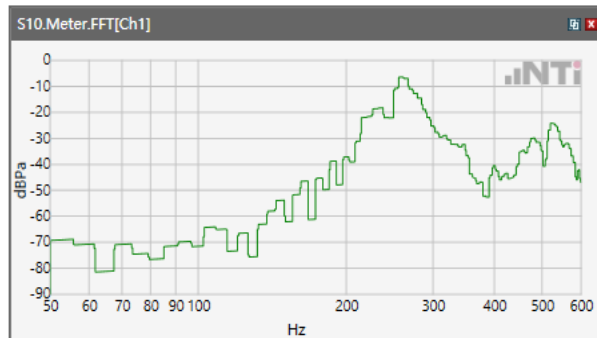
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66

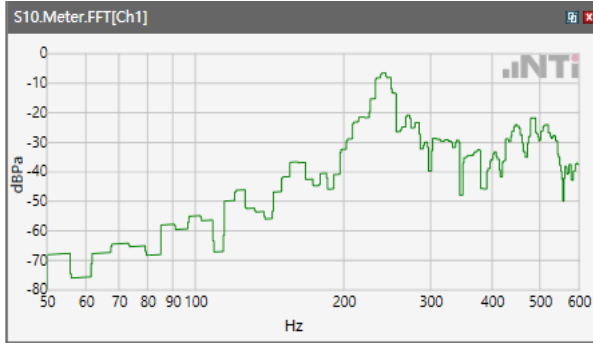


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz

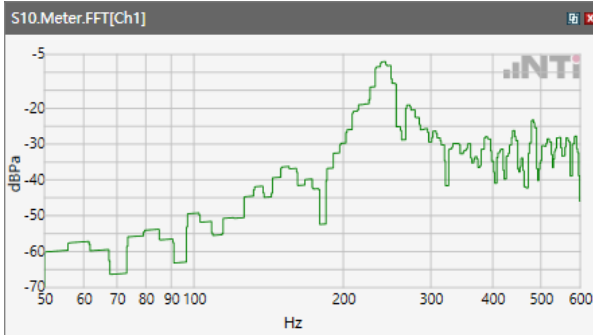




ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

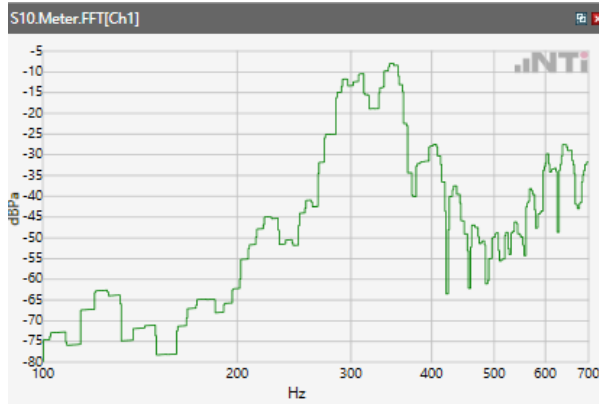


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

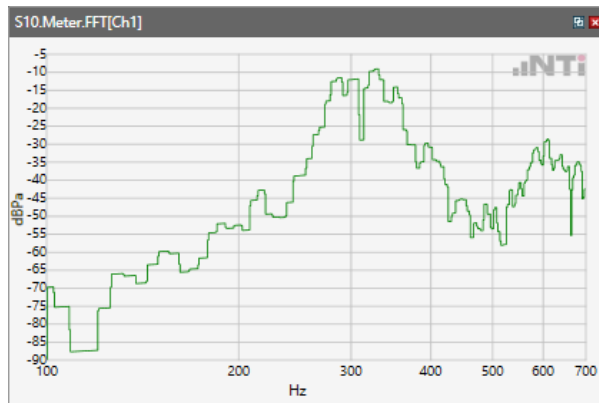


## Receive path - distortion and noise 315Hz WB only

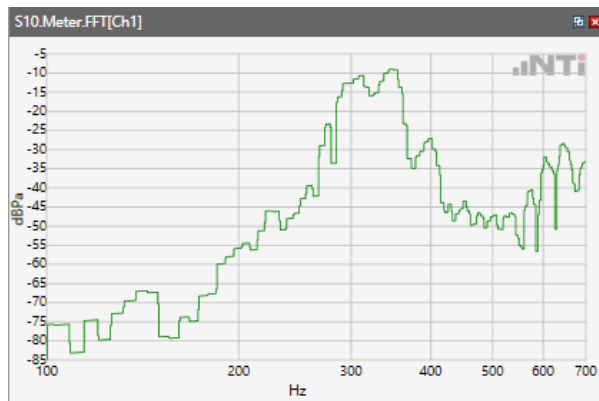
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



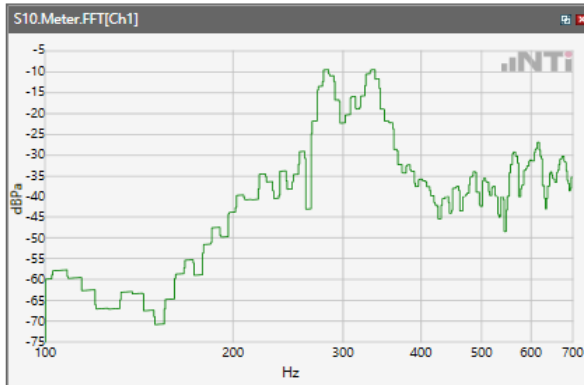
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



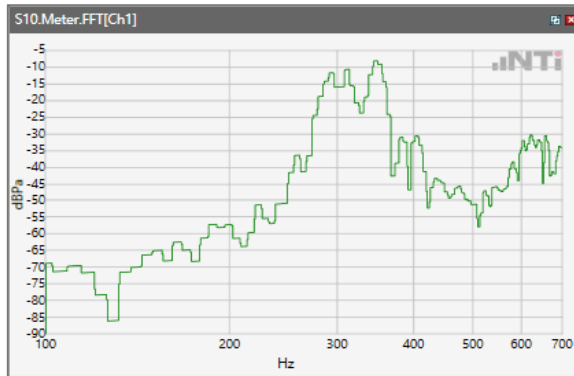
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



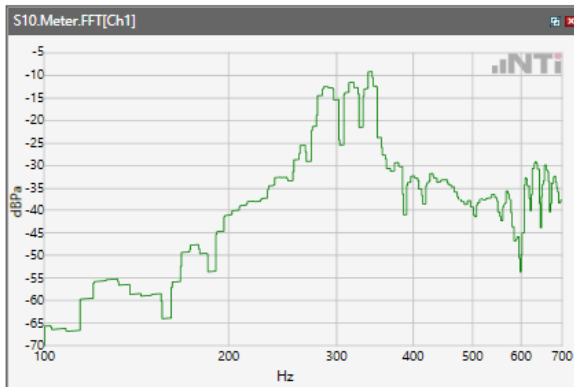
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



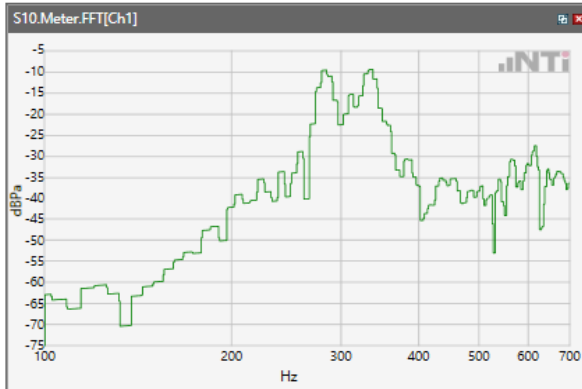
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



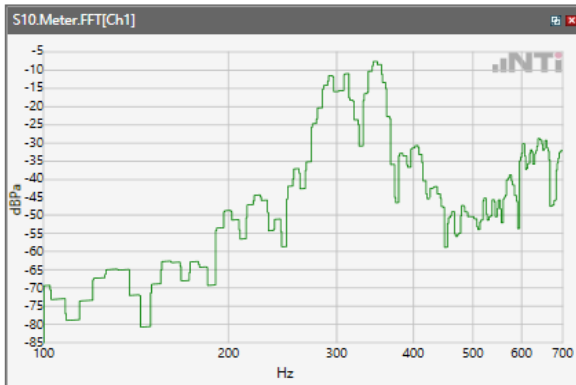
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



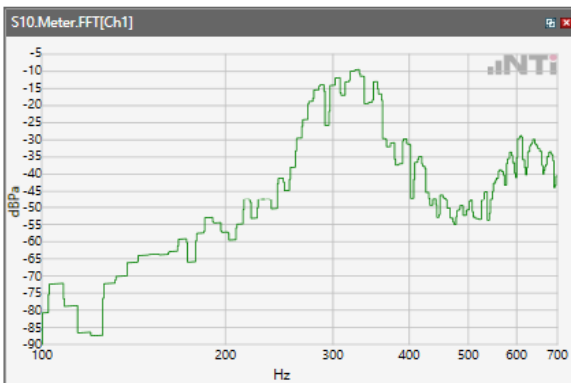
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



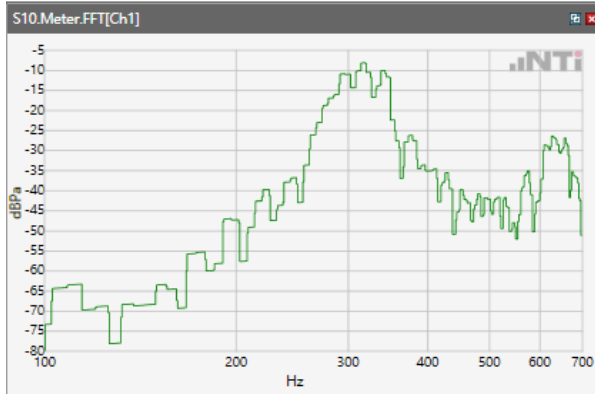
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



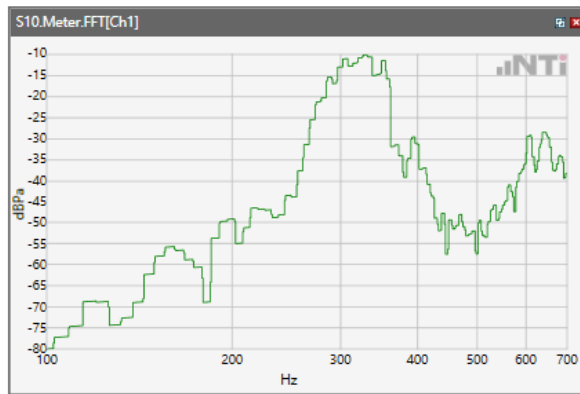
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



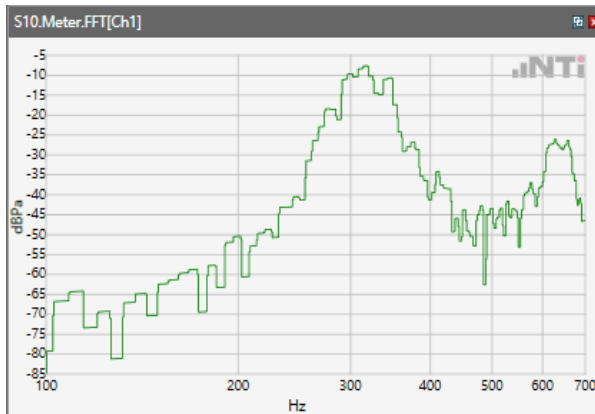
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



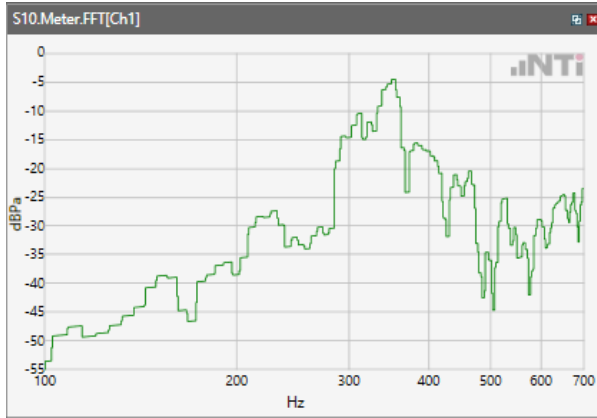
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



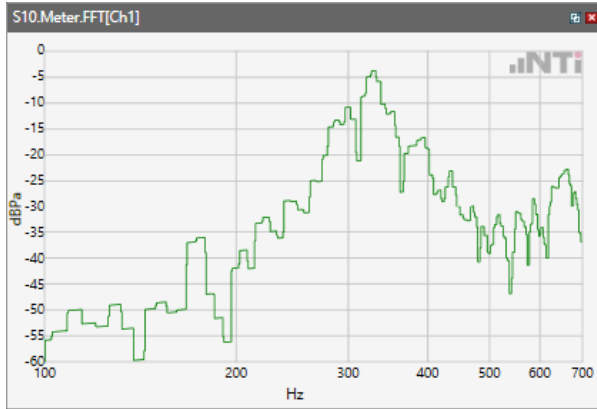
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

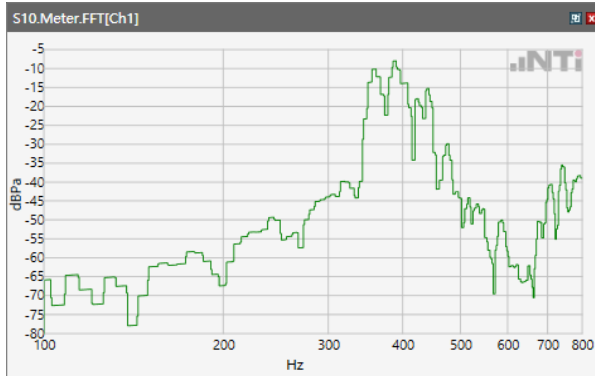


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

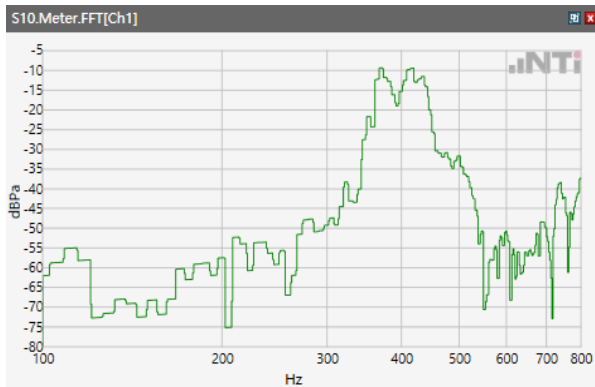


## Receive path - distortion and noise 400Hz WB&NB

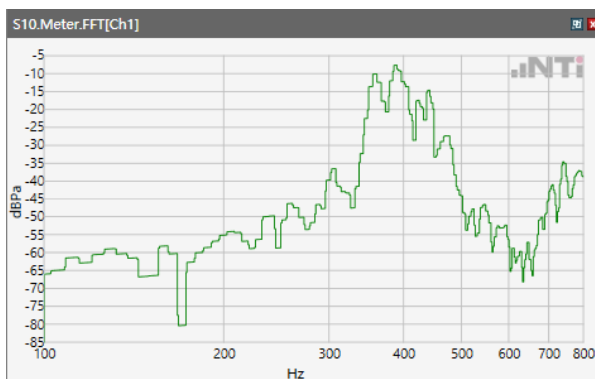
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



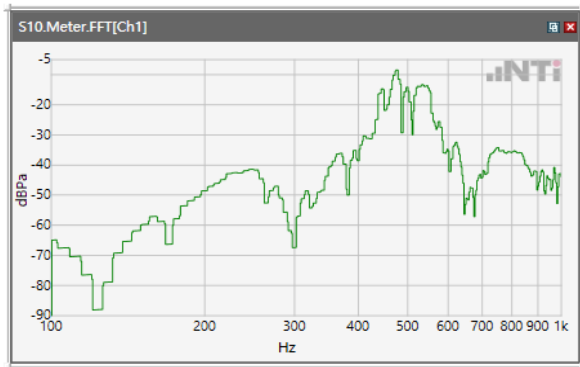
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



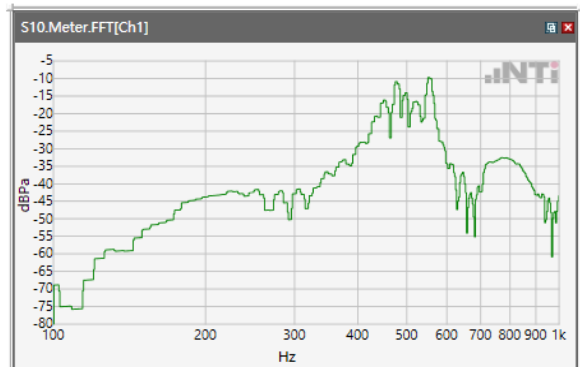
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



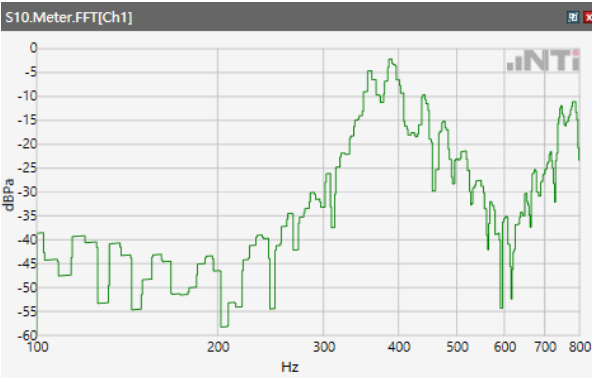
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4

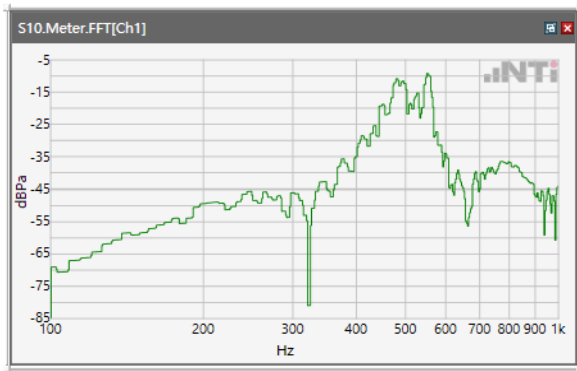


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5

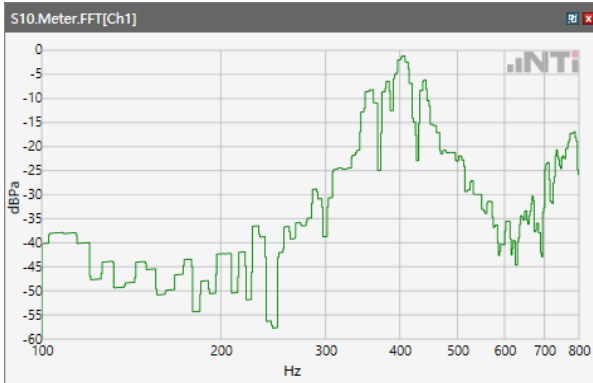




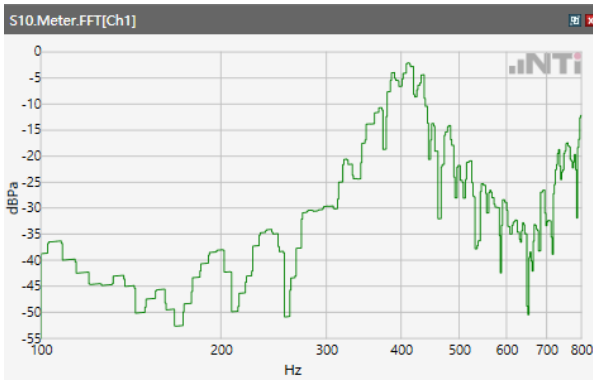
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



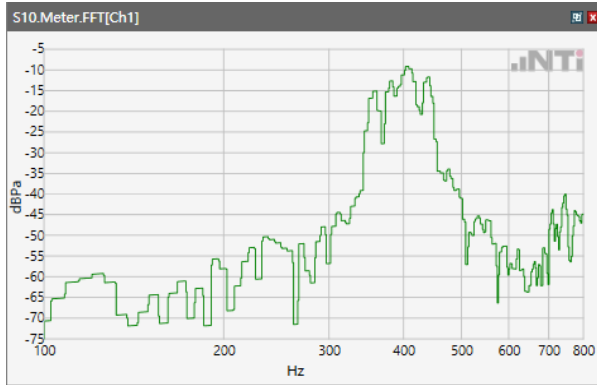
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



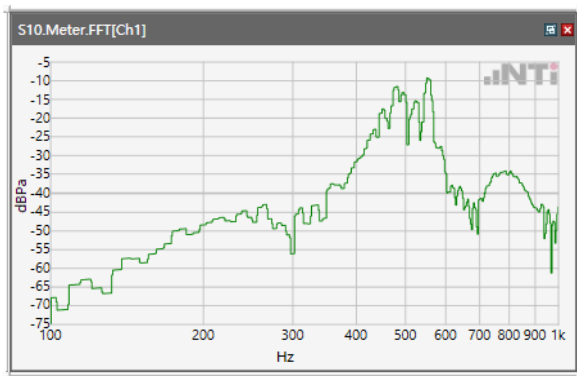
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



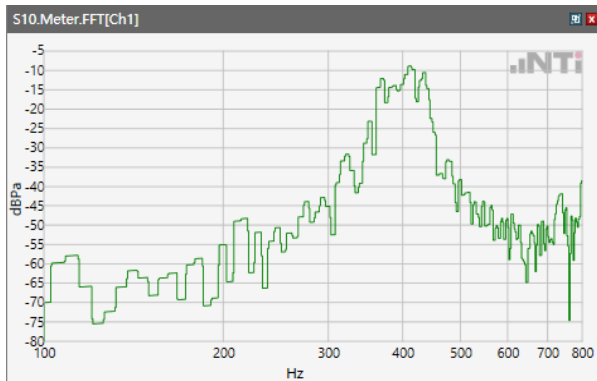
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



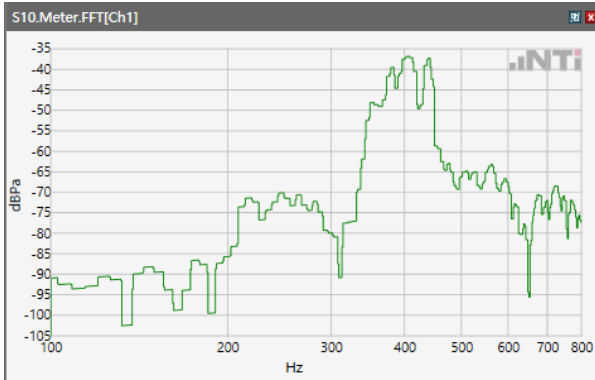
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



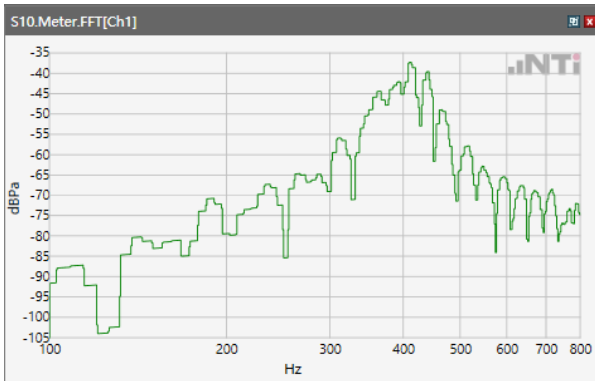
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

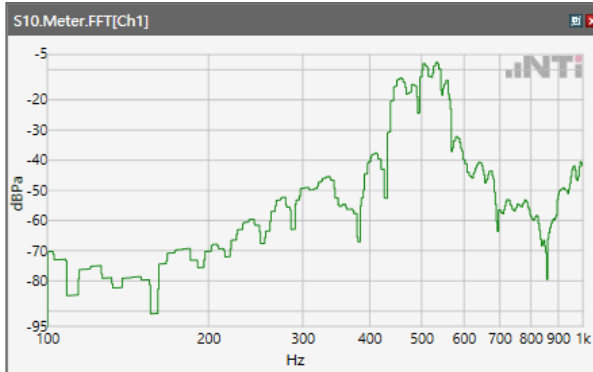


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

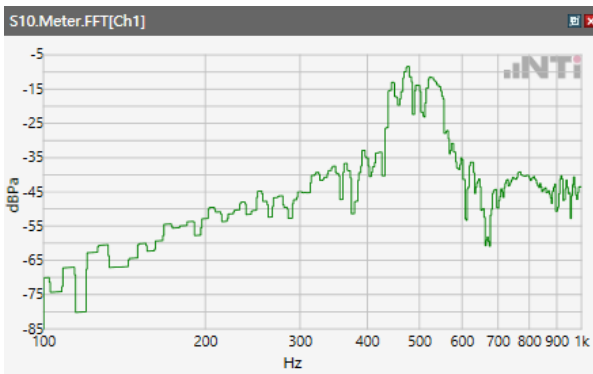


## Receive path - distortion and noise 500Hz WB&NB

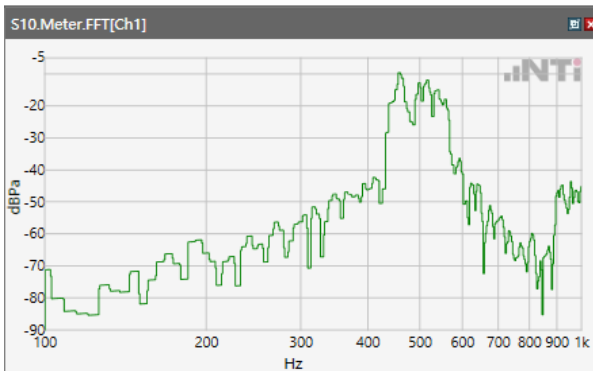
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



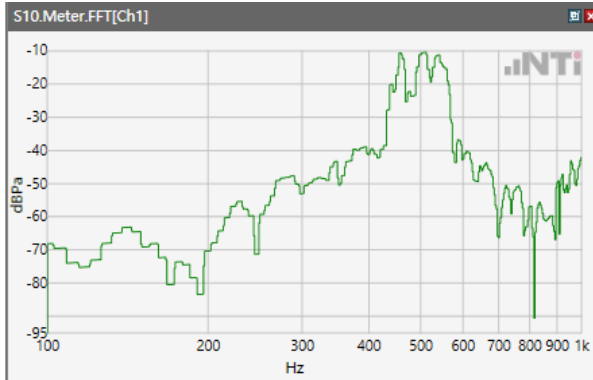
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



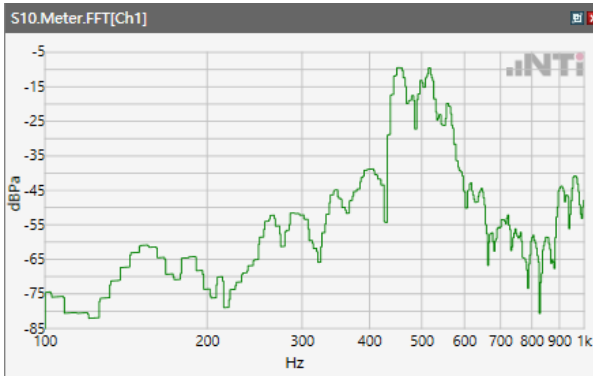
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



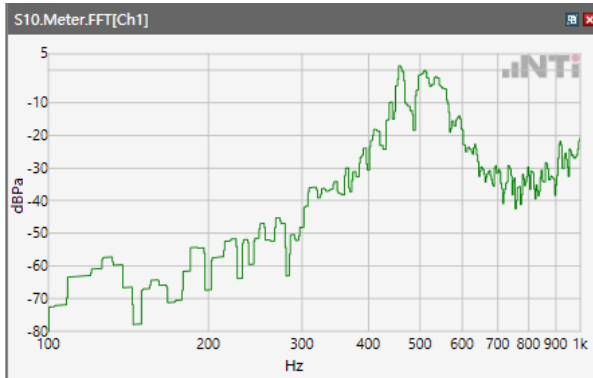
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



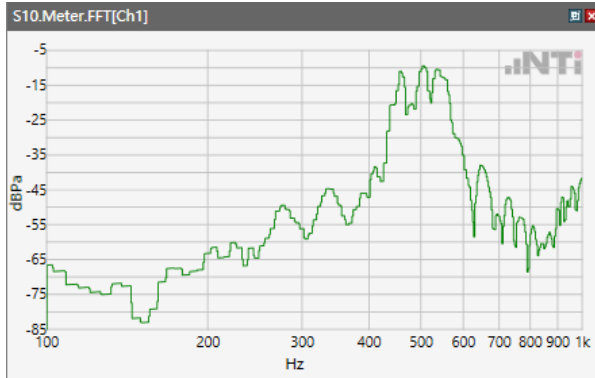
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



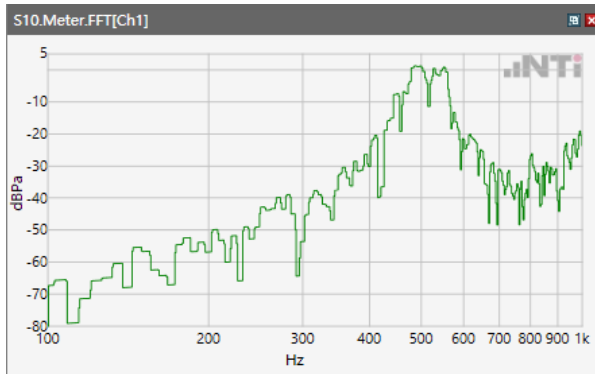
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



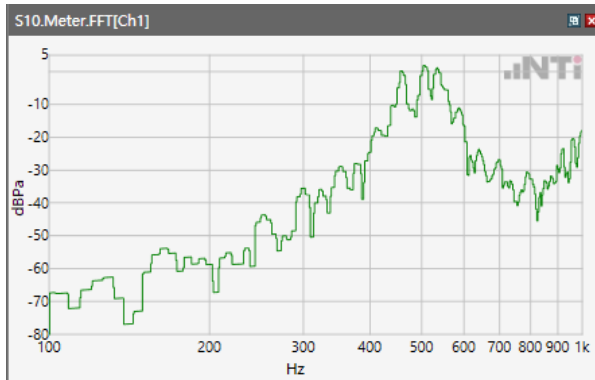
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



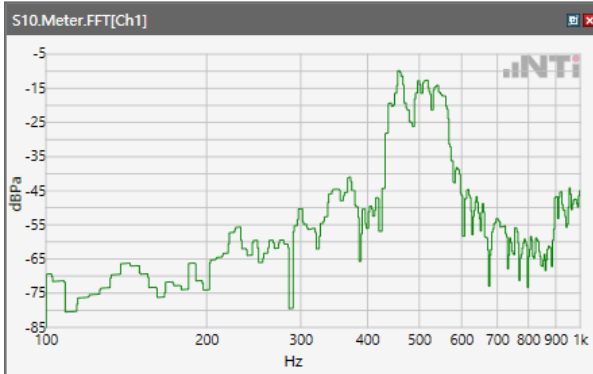
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



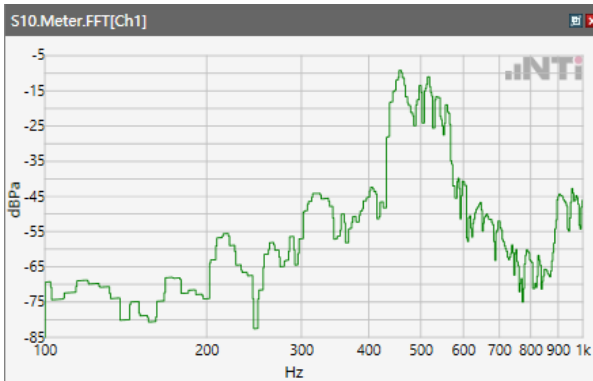
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



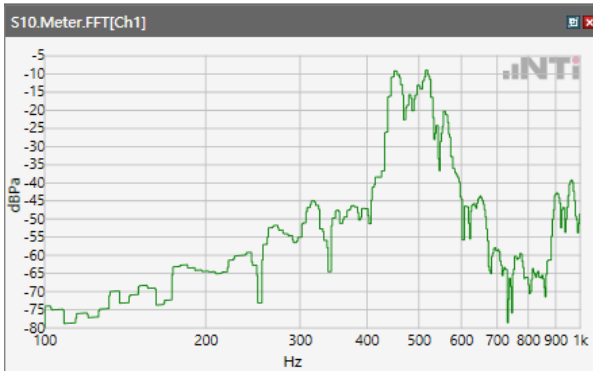
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



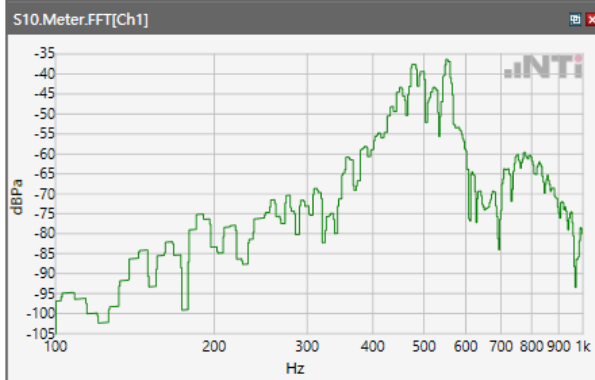
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



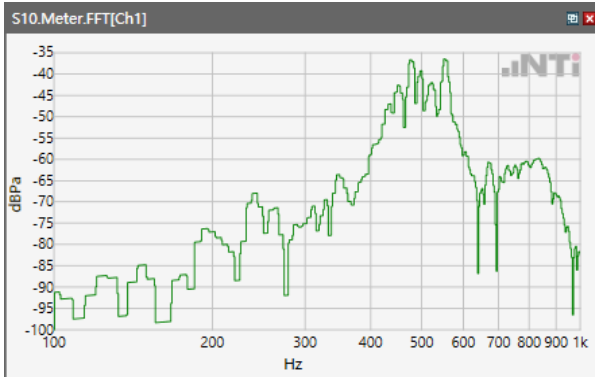
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



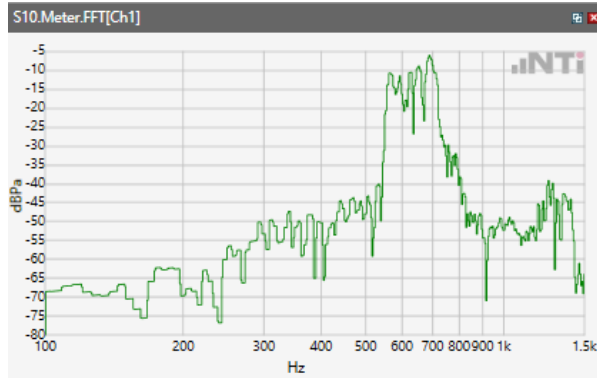
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz



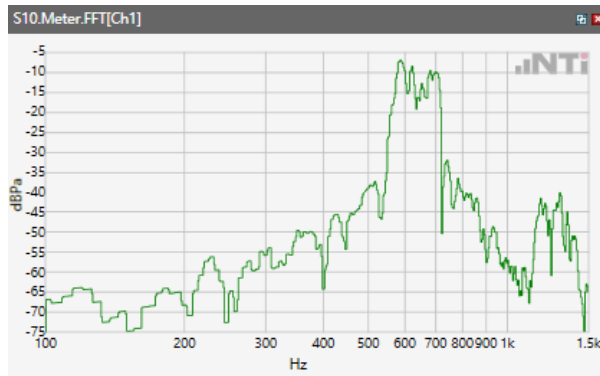


## Receive path - distortion and noise 630Hz WB&NB

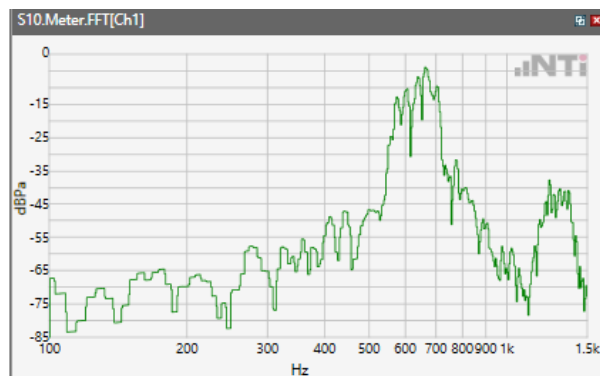
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



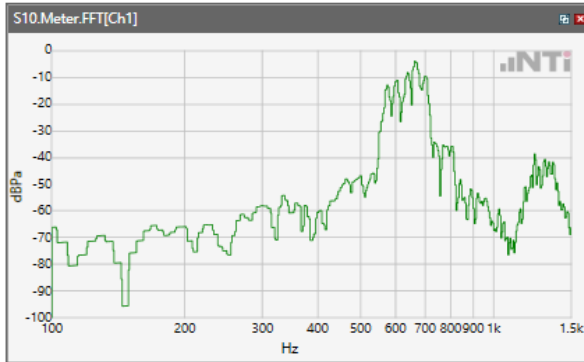
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



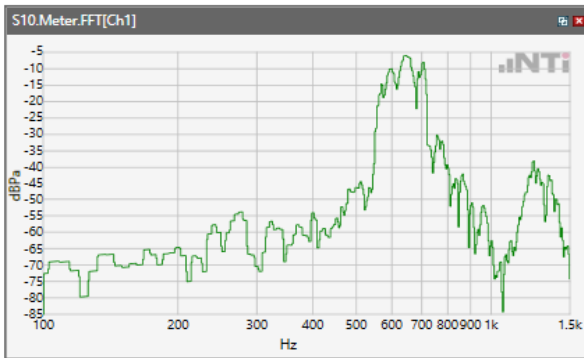
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



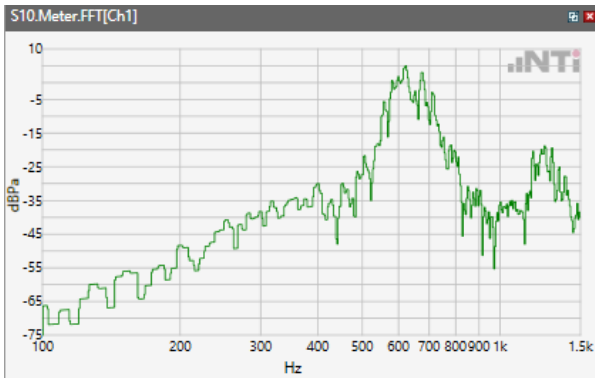
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



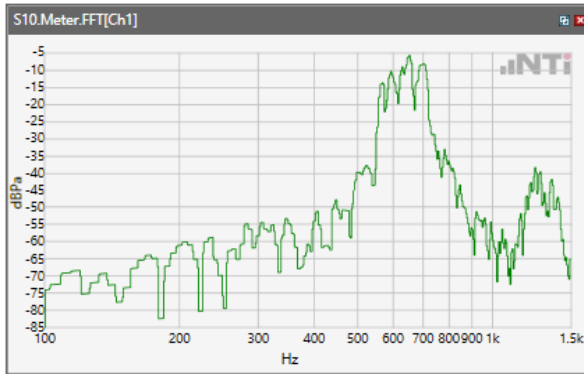
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



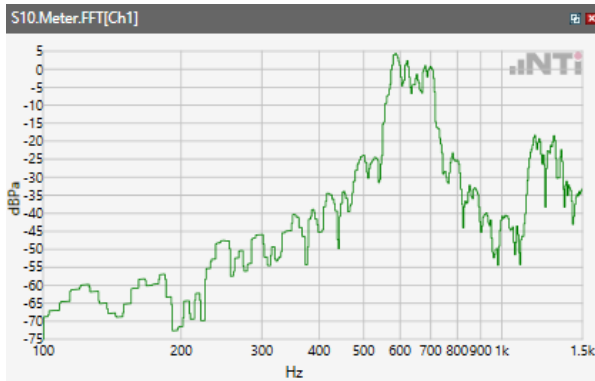
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



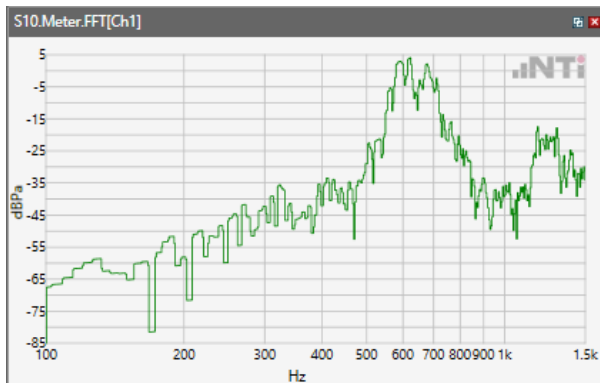
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



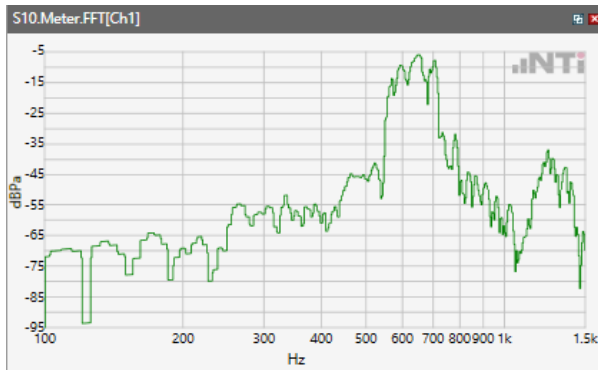
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



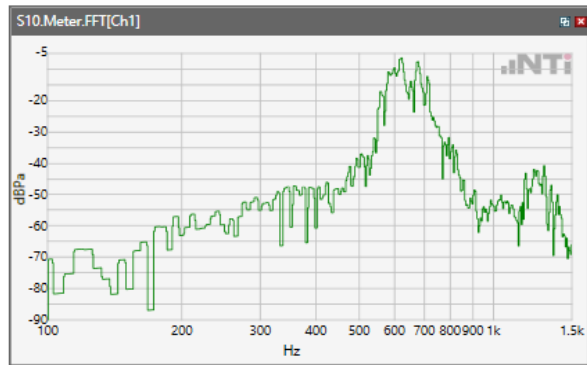
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



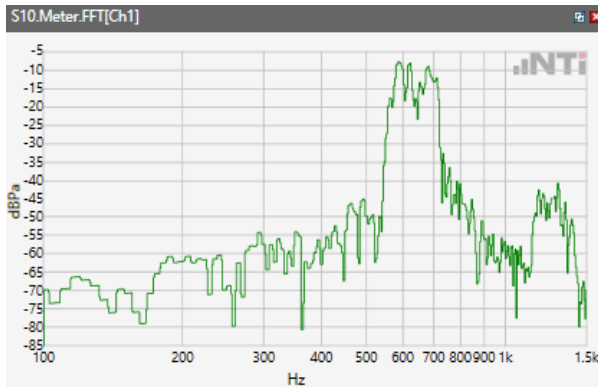
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



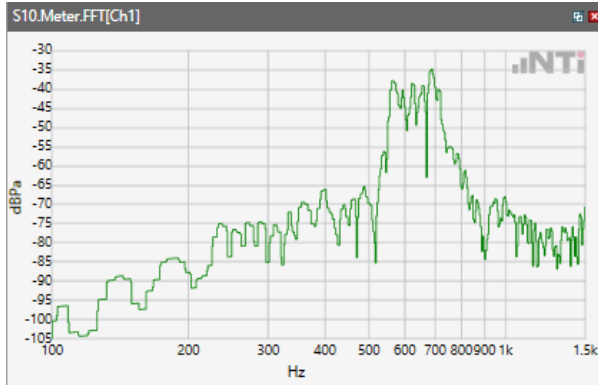
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



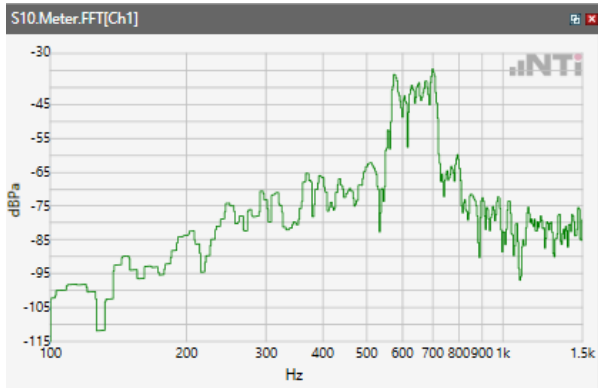
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

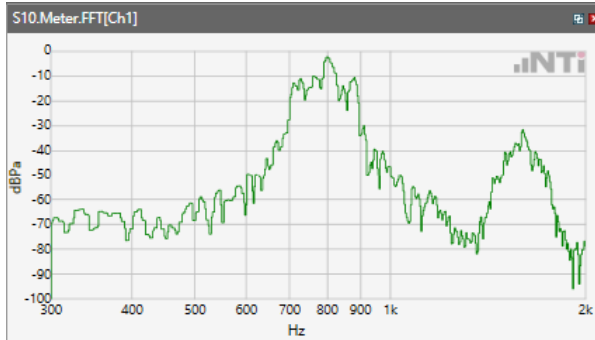


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

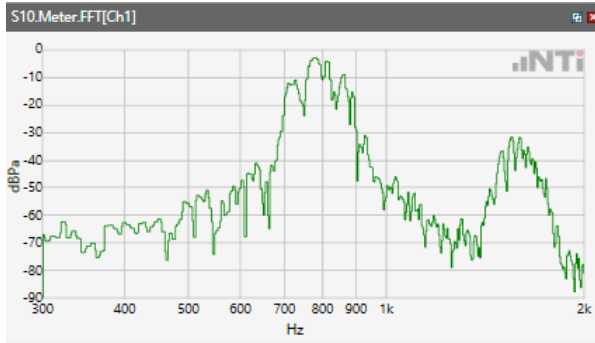


## Receive path - distortion and noise 800Hz WB&NB

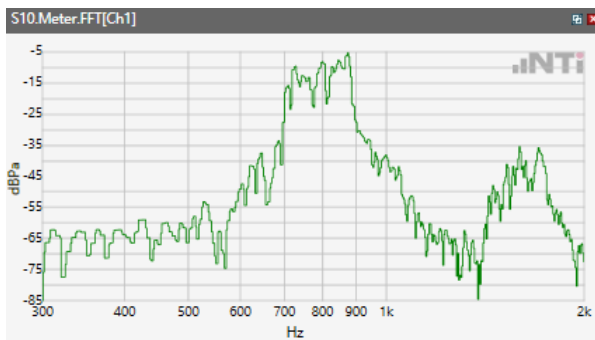
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



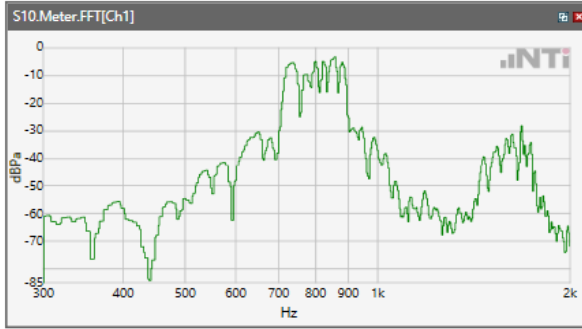
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



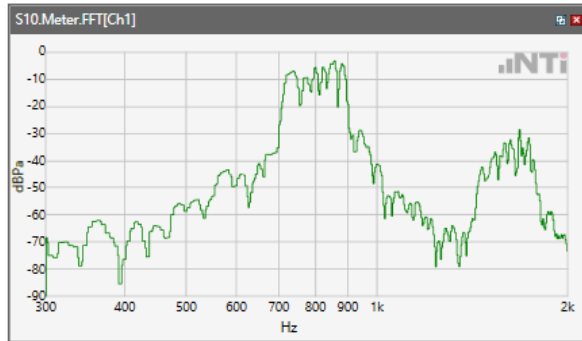
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



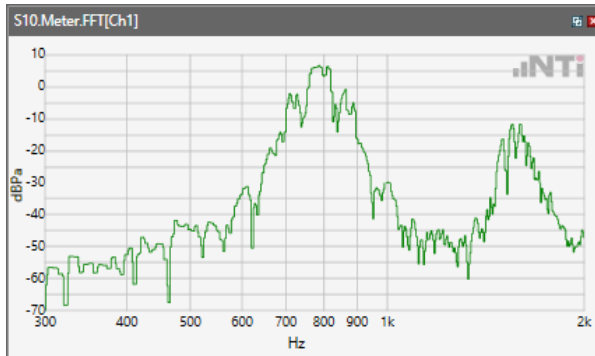
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



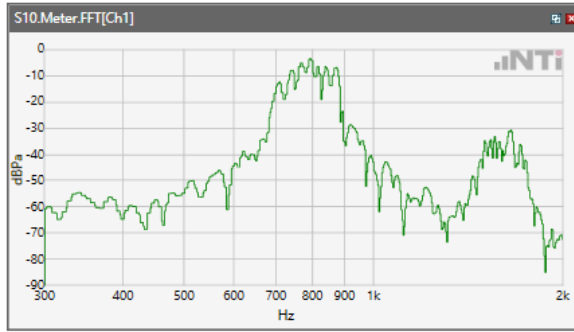
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



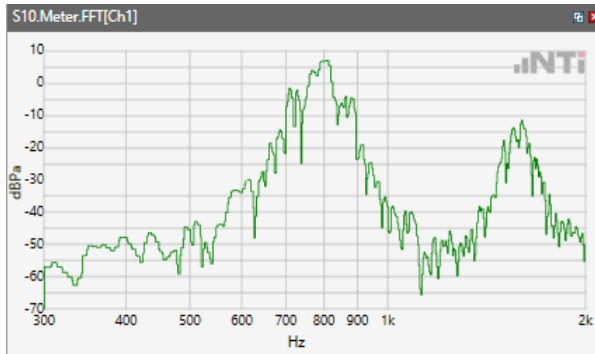
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



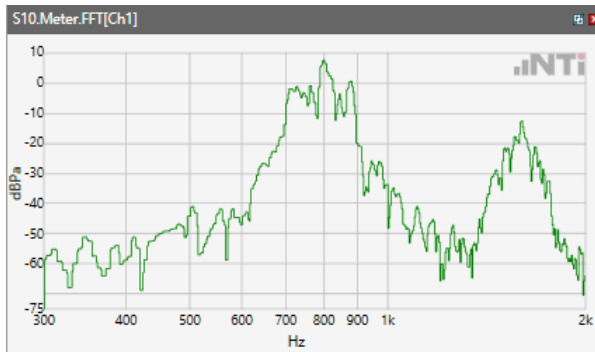
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12

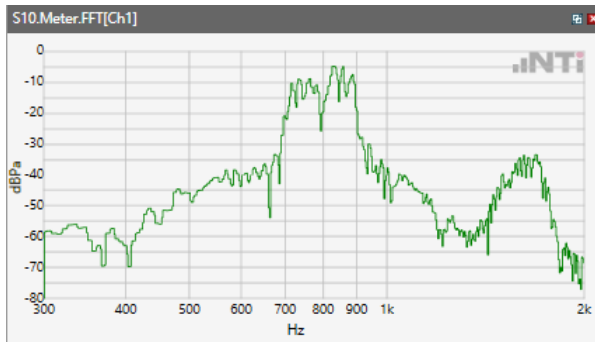


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13

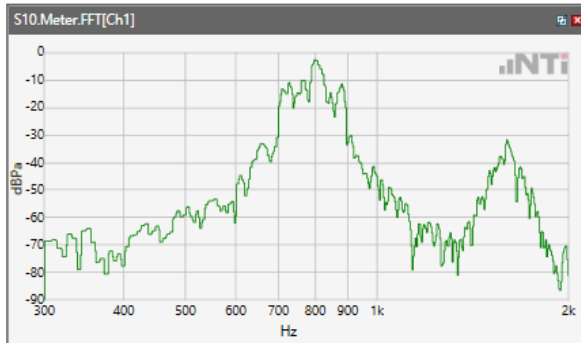




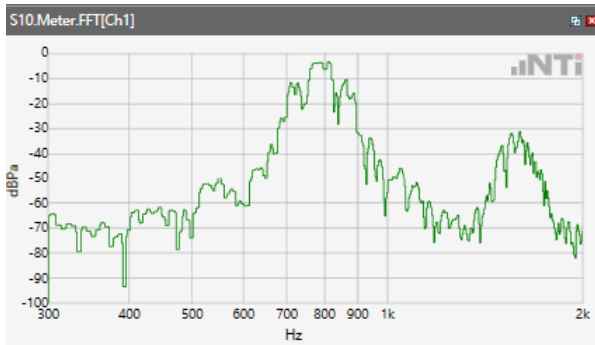
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



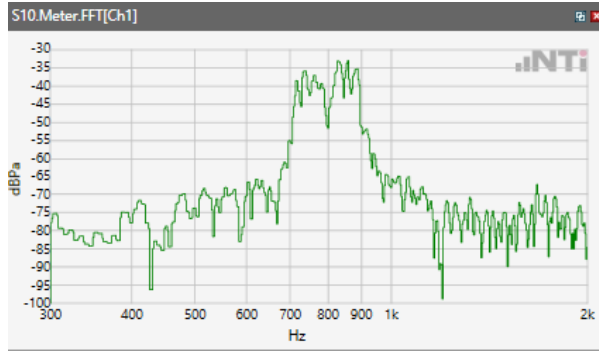
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



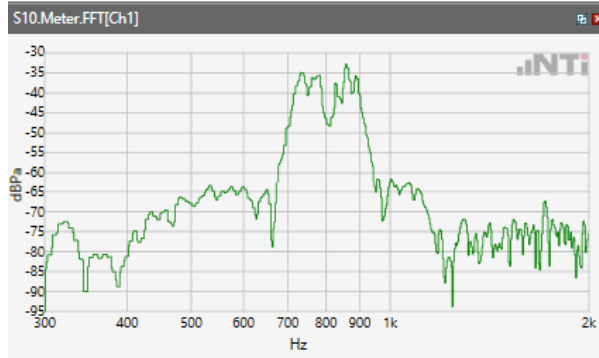
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

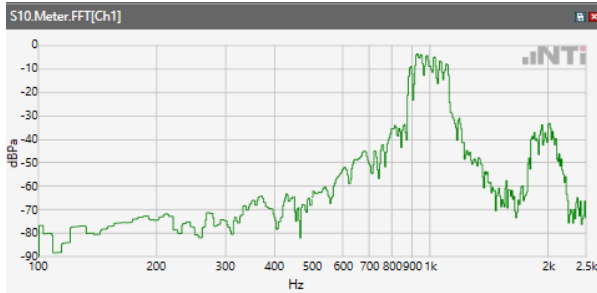


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

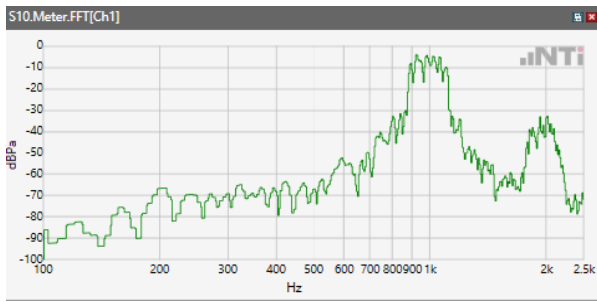


## Receive path - distortion and noise 1000Hz WB&NB

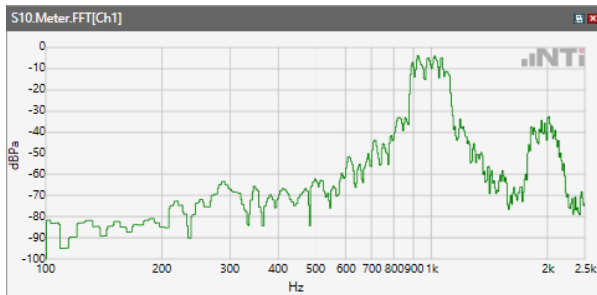
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



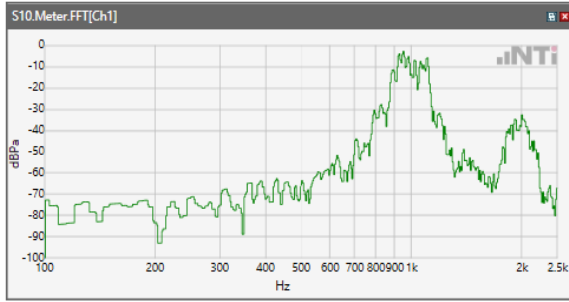
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



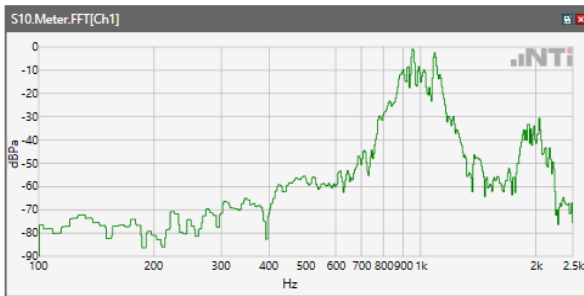
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



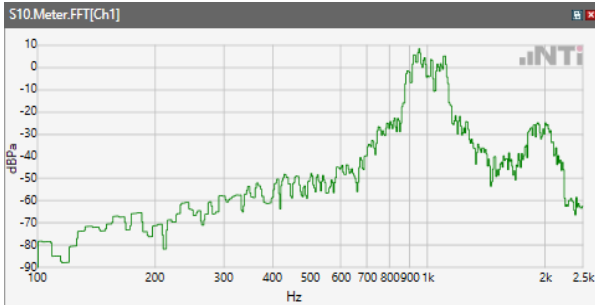
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



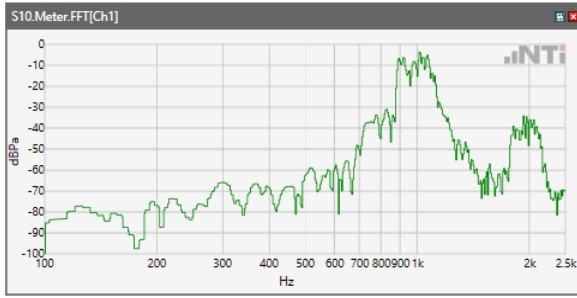
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



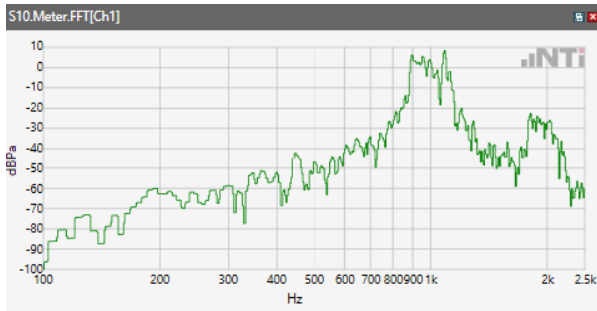
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



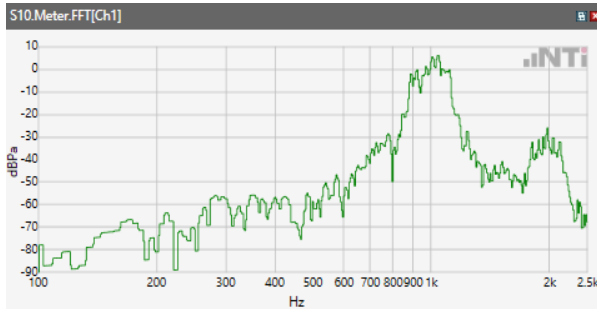
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



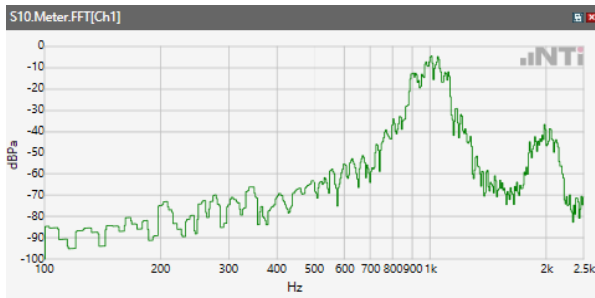
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



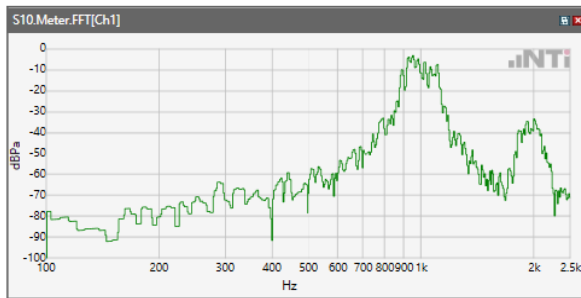
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



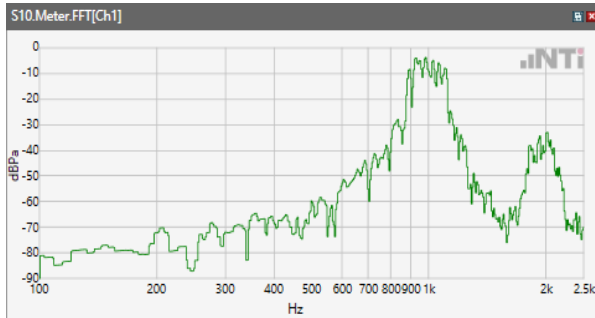
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



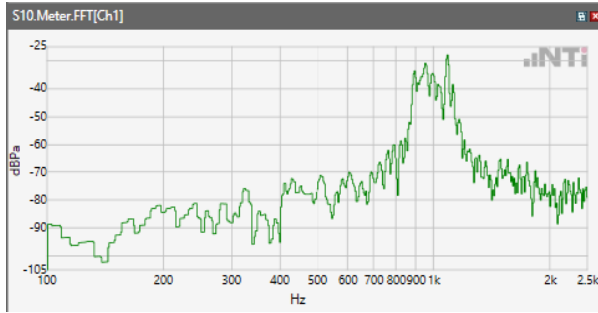
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



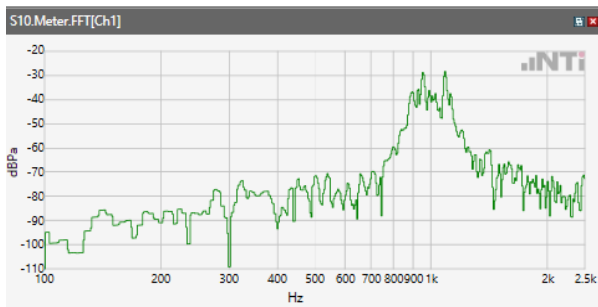
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

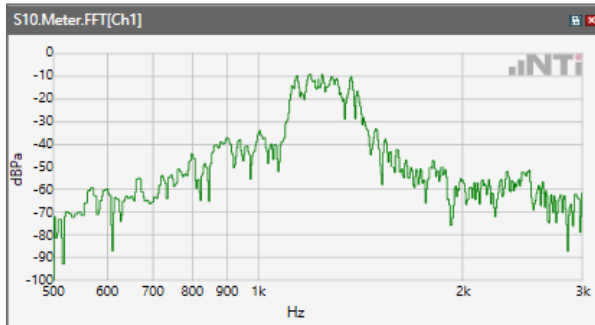


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

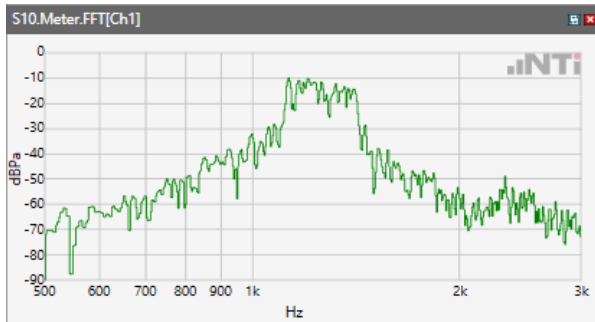


## Receive path - distortion and noise 1250Hz WB&NB

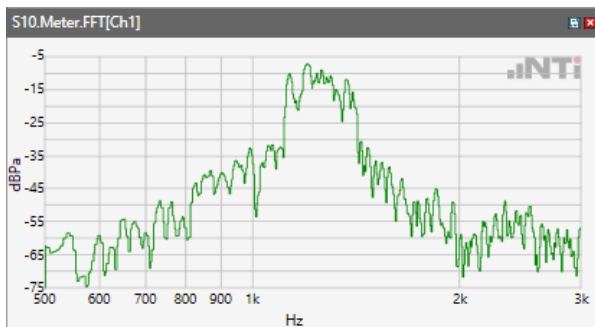
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV

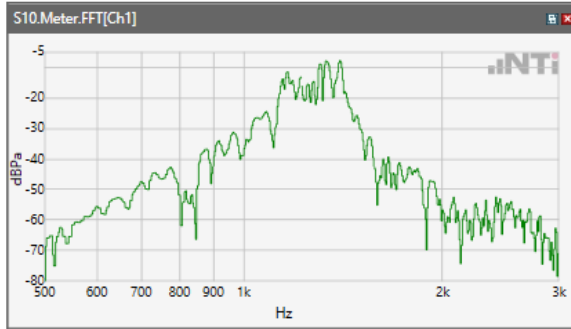


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V

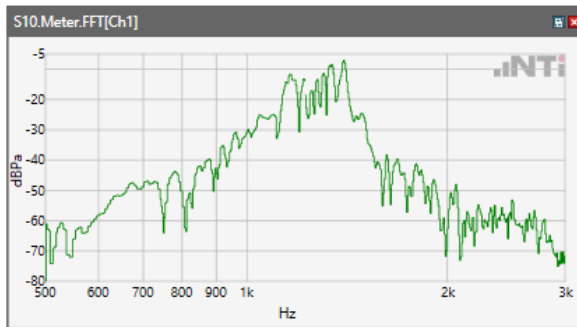




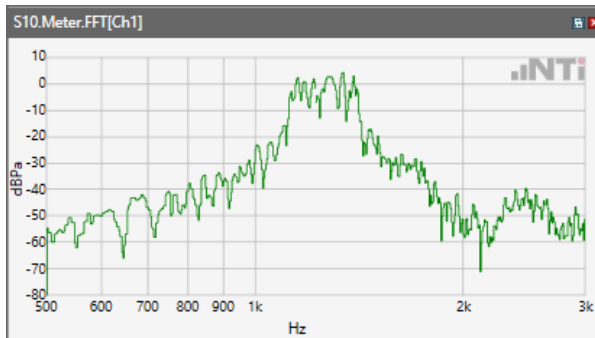
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



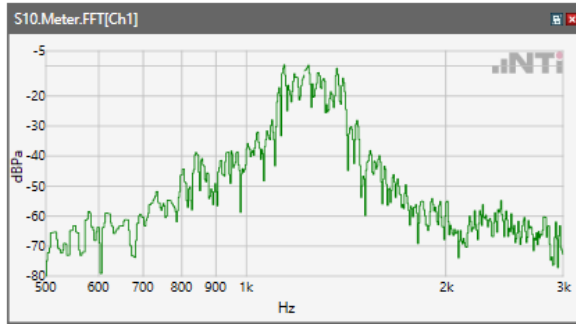
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



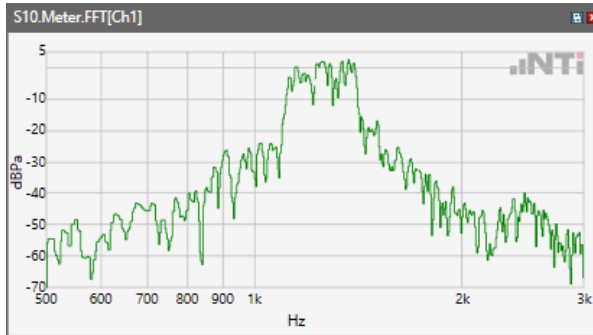
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



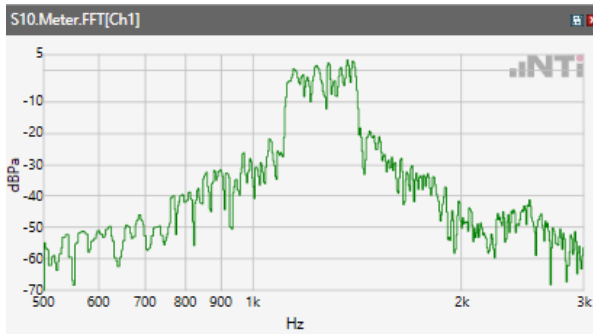
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



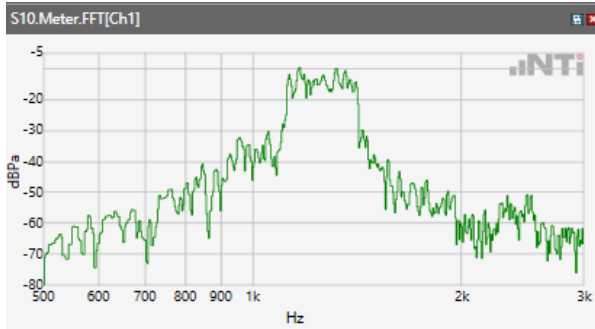
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



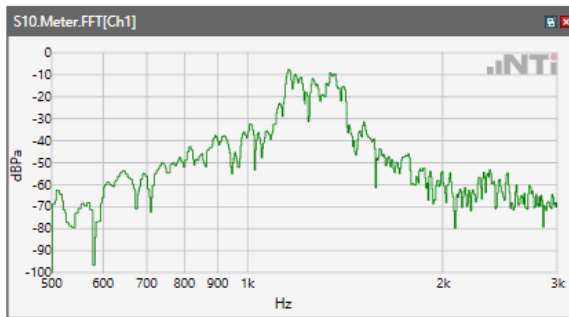
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



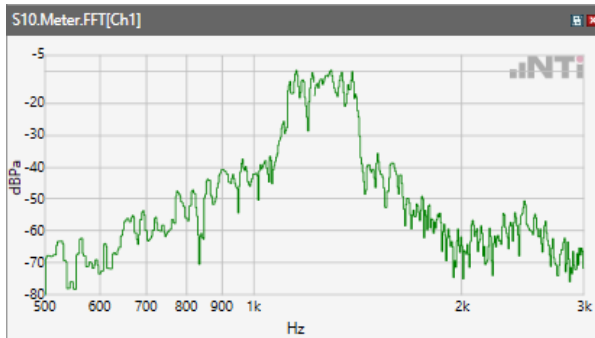
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



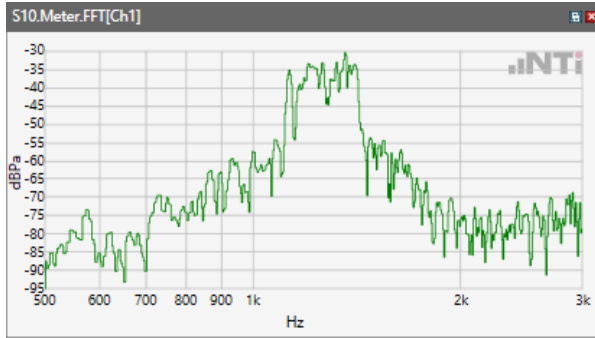
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



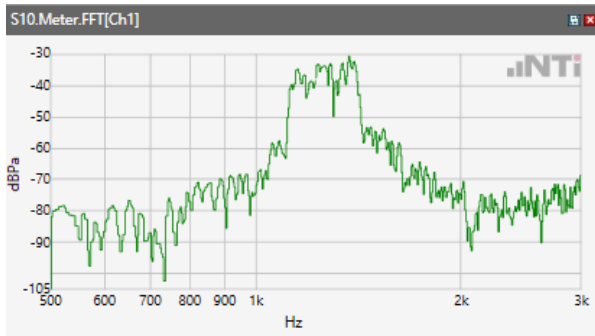
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

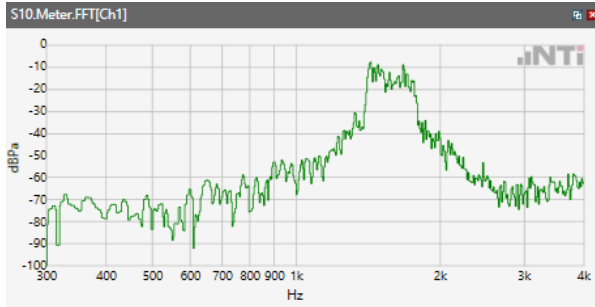


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

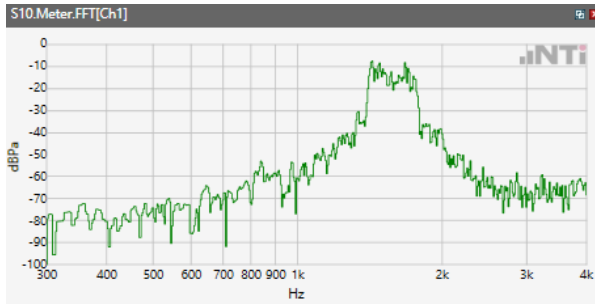


## Receive path - distortion and noise 1600Hz WB&NB

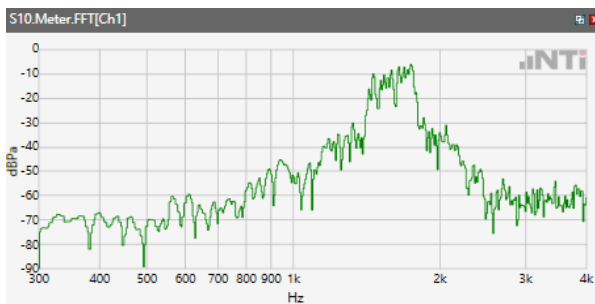
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



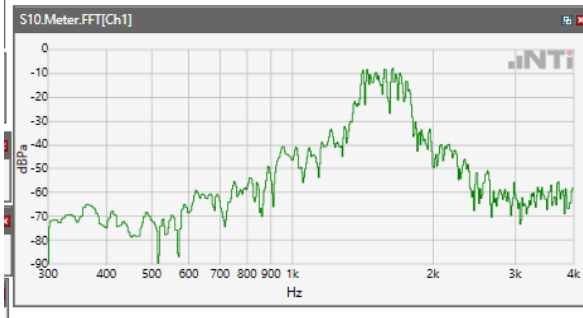
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



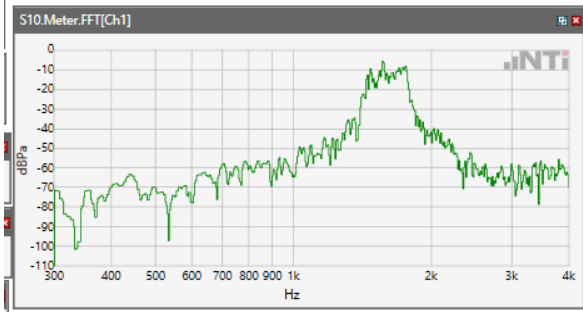
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



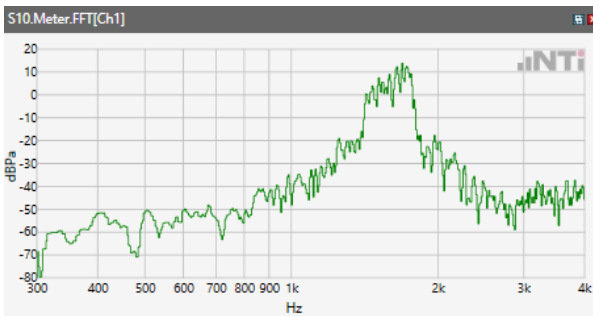
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



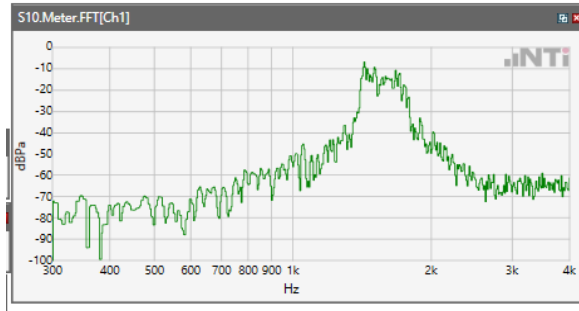
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



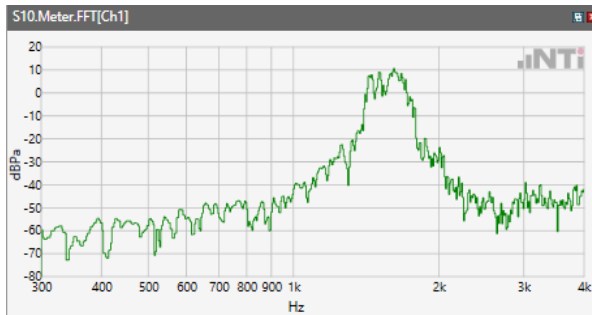
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



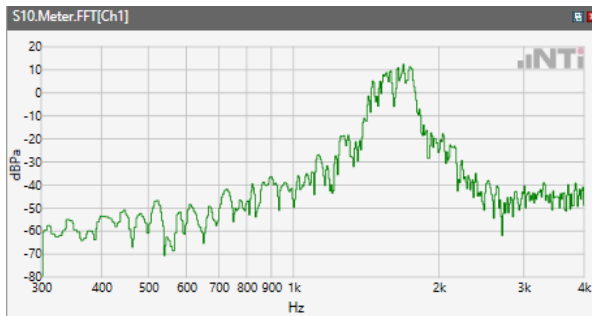
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



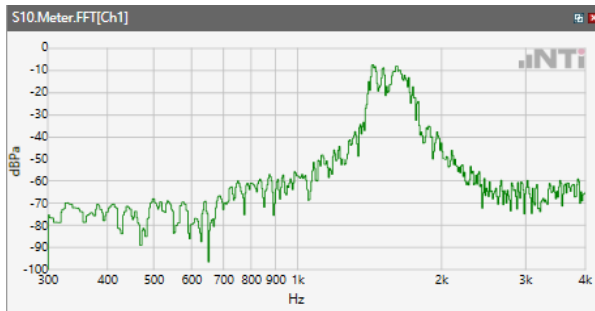
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



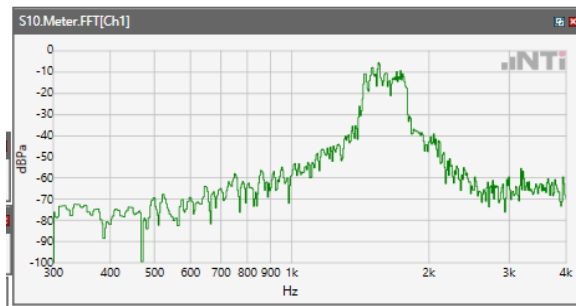
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



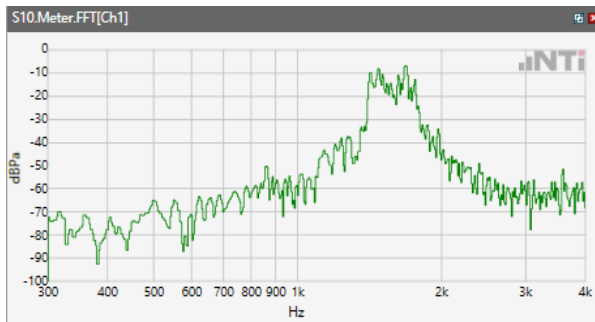
## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66

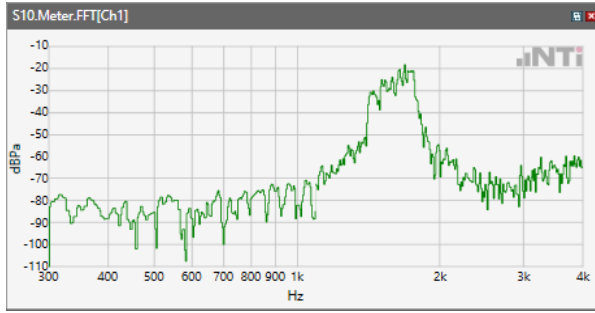


## ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz

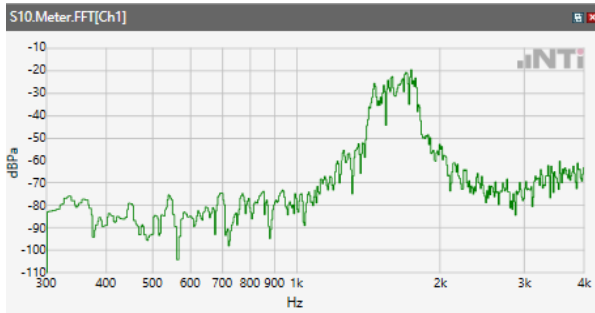




ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

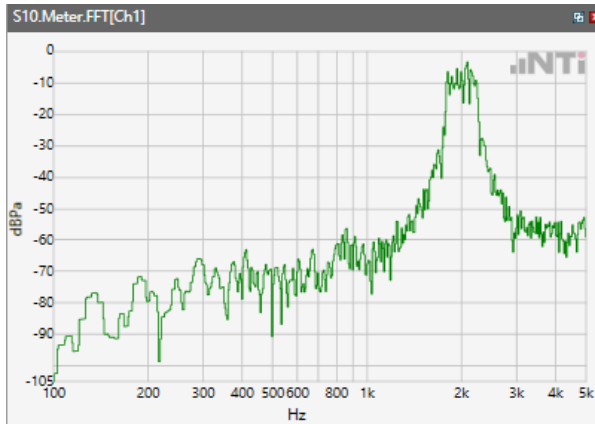


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

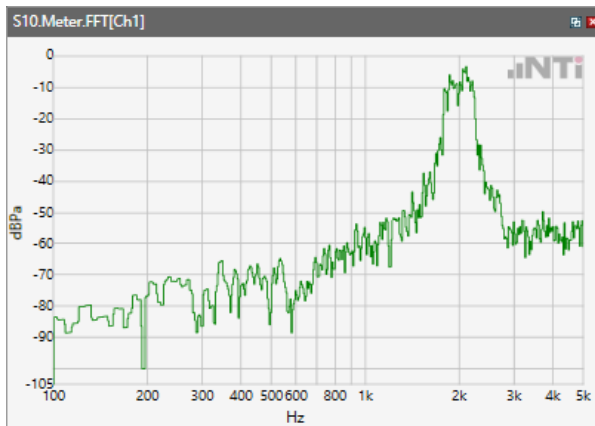


## Receive path - distortion and noise 2000Hz WB&NB

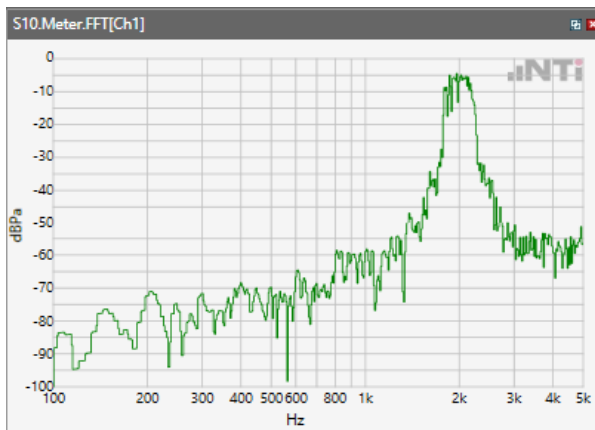
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



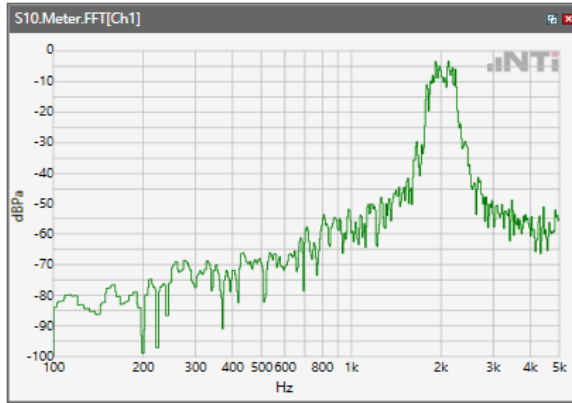
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



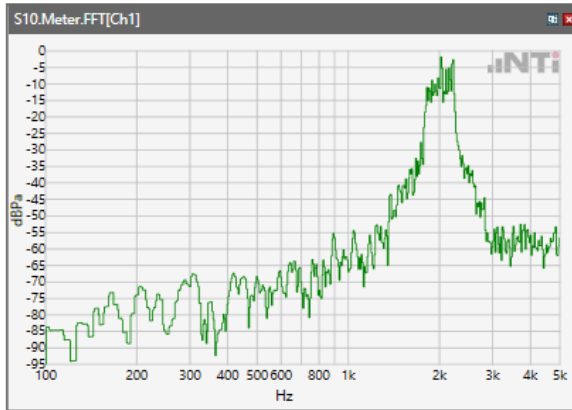
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



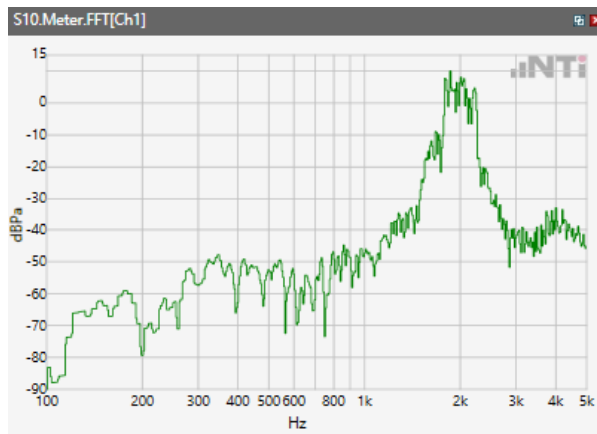
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



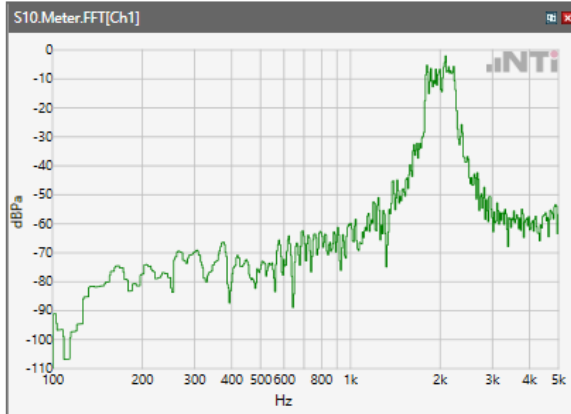
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



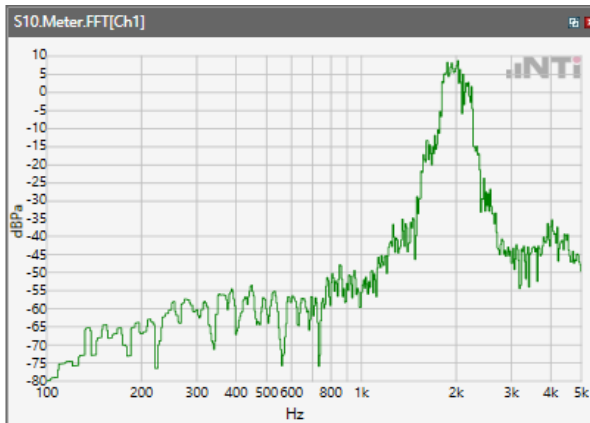
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



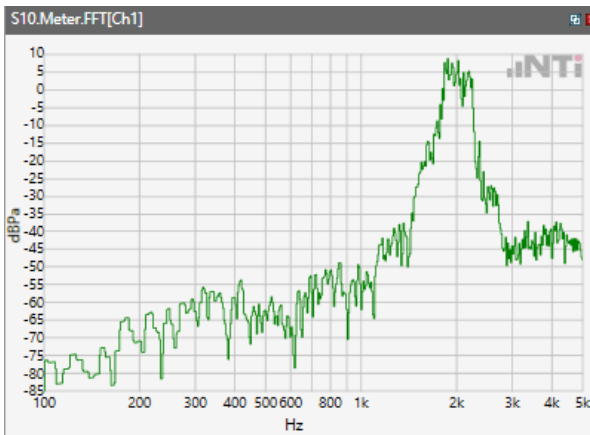
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



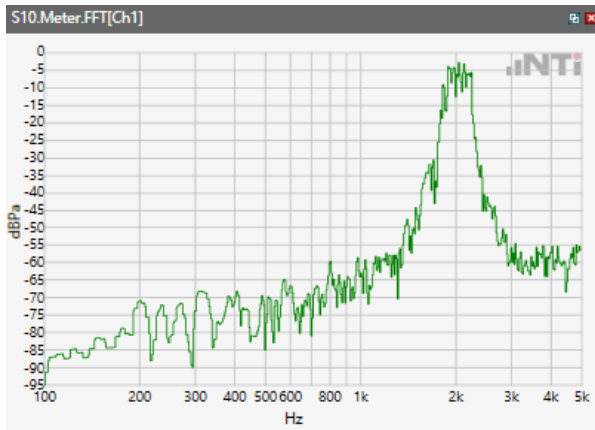
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



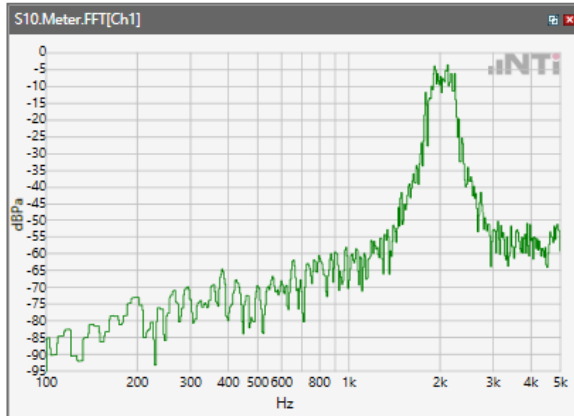
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



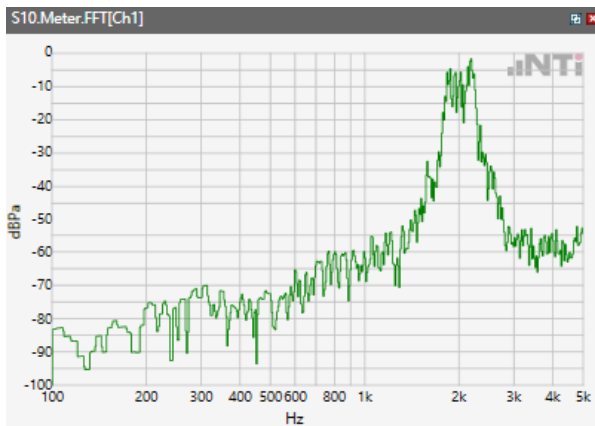
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



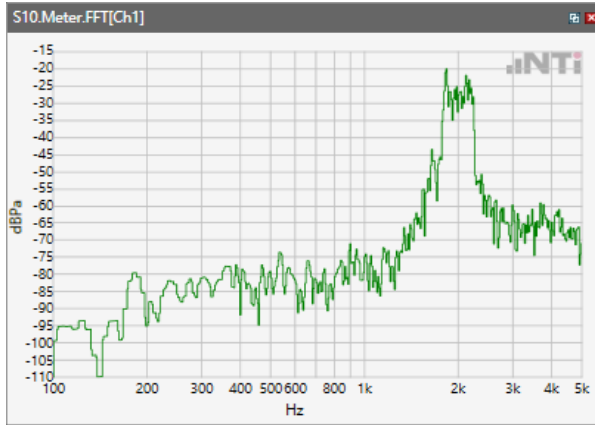
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



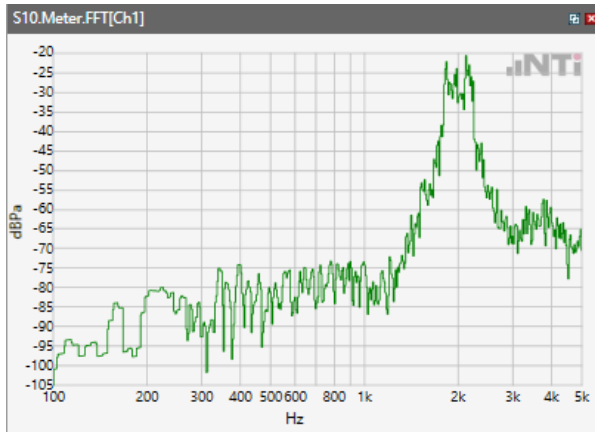
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

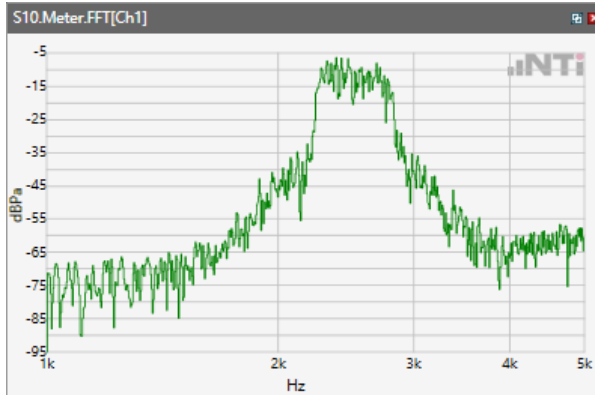


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

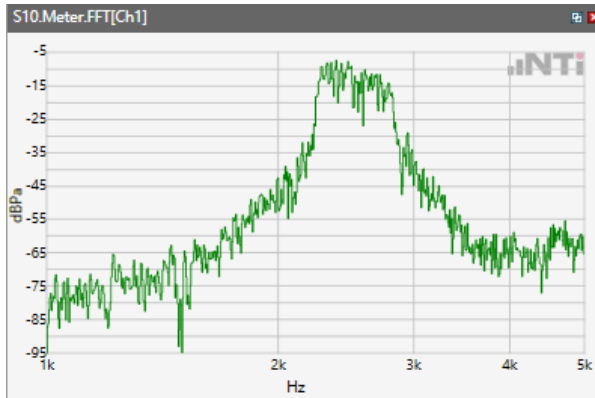


## Receive path - distortion and noise 2500Hz WB&NB

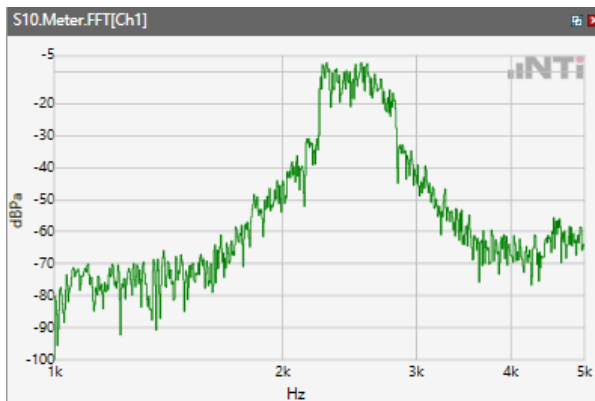
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



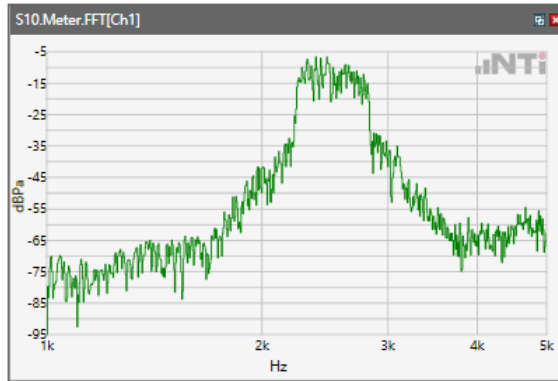
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



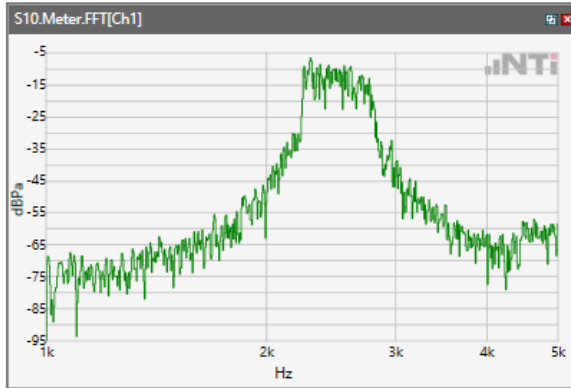
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



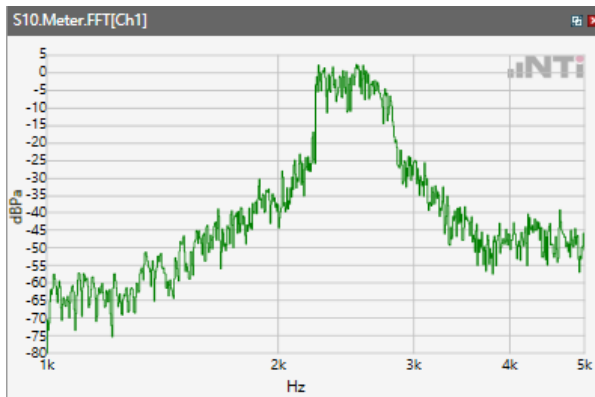
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4

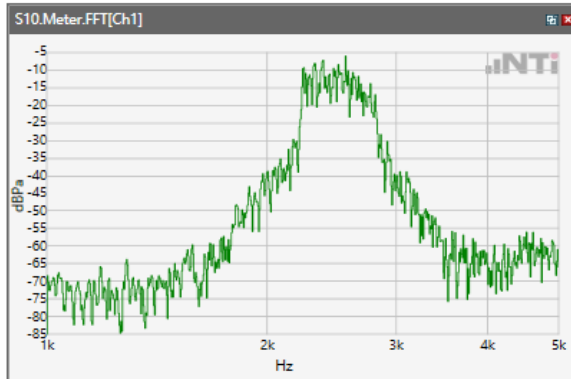


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5

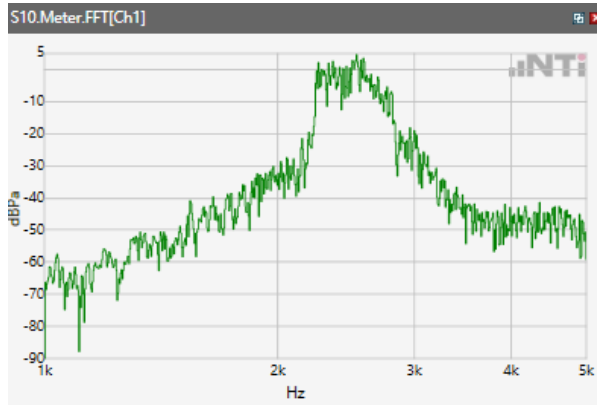




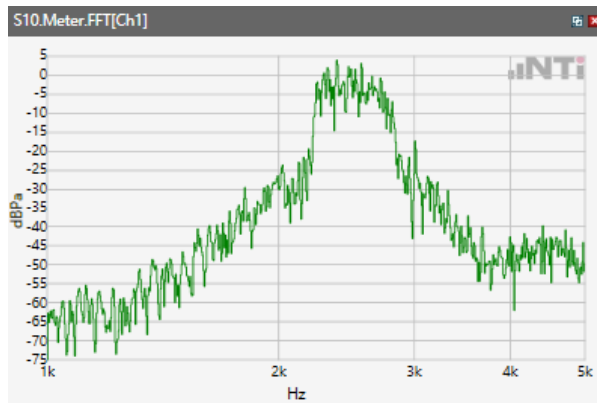
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



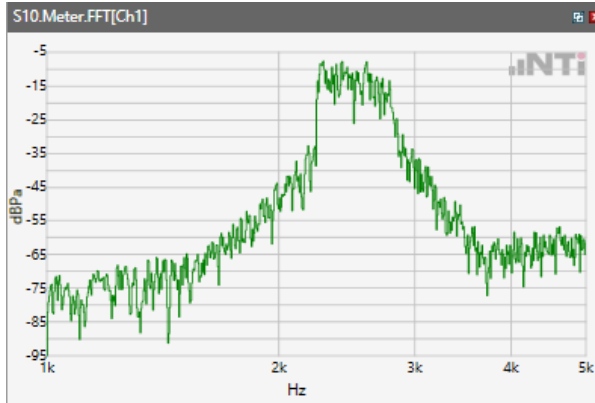
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



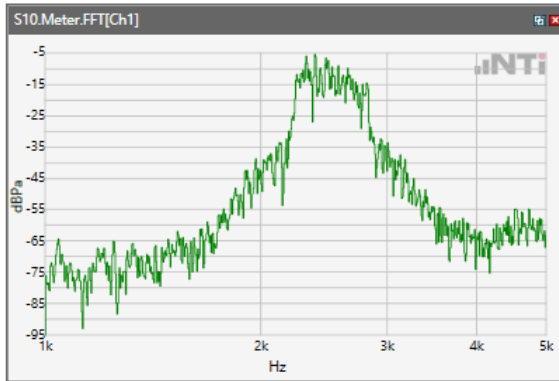
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



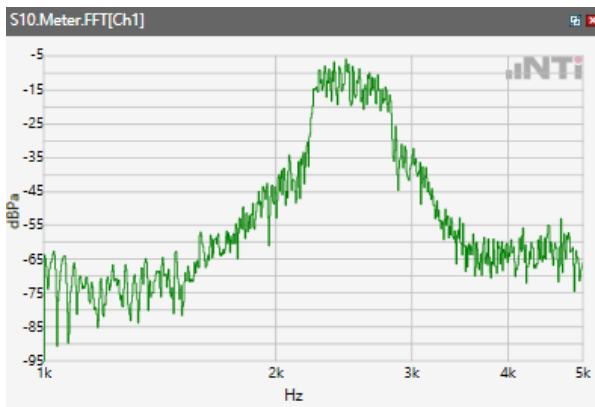
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



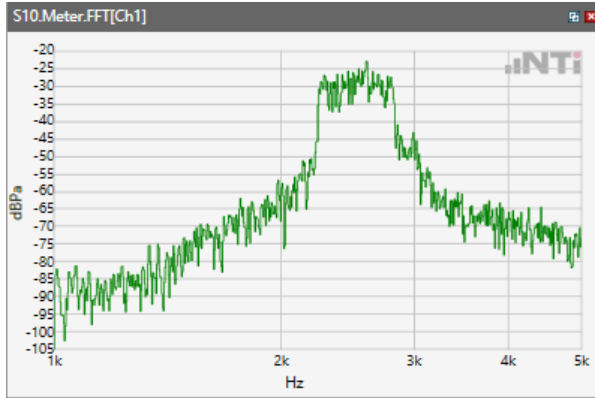
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



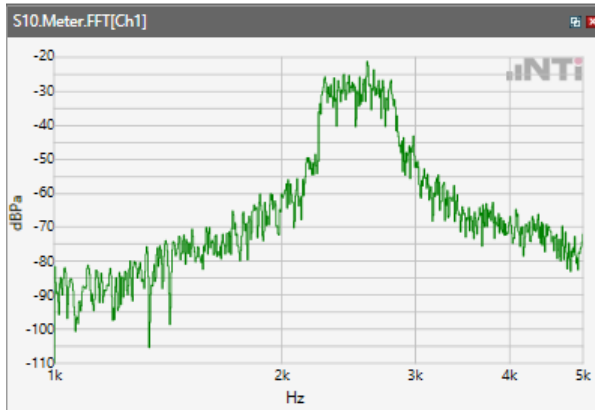
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

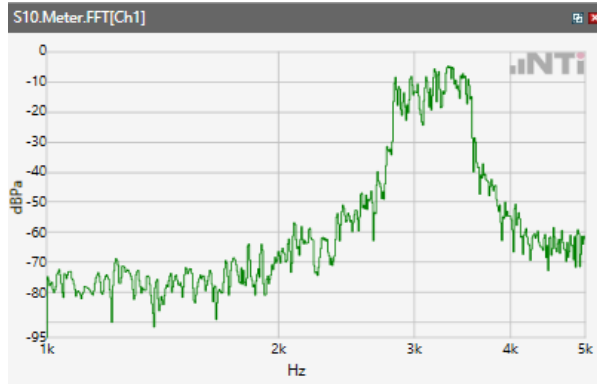


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

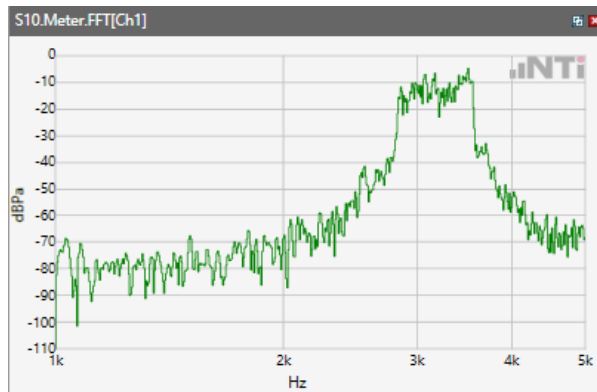


## Receive path - distortion and noise 3150Hz WB&NB

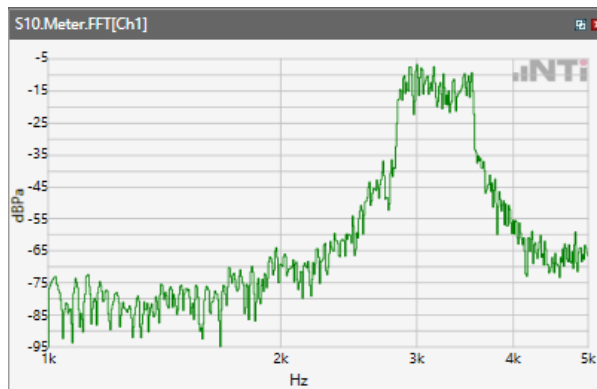
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



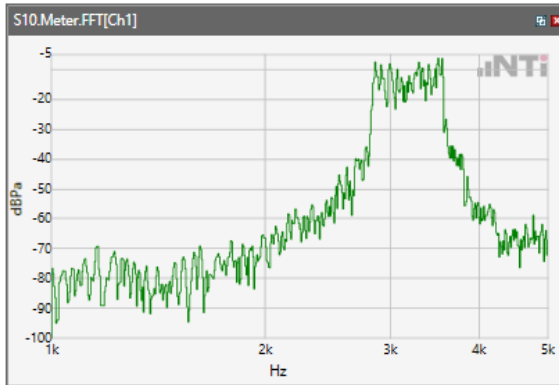
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



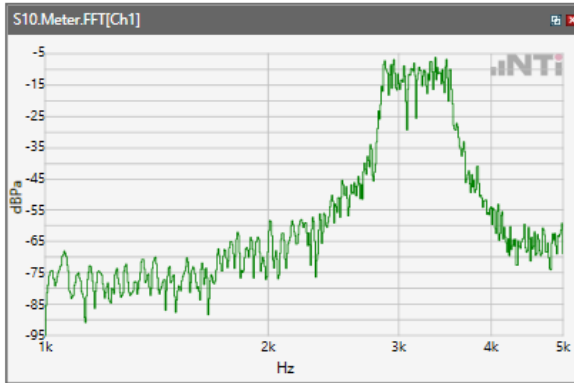
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



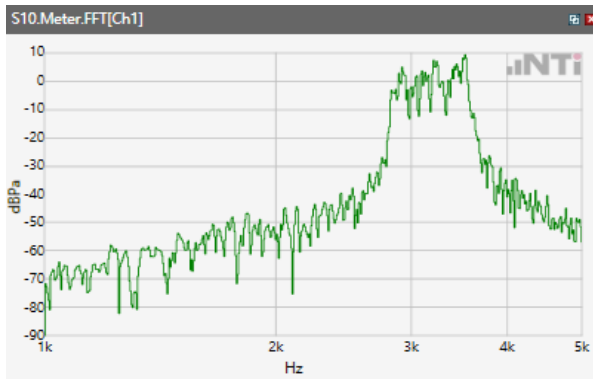
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



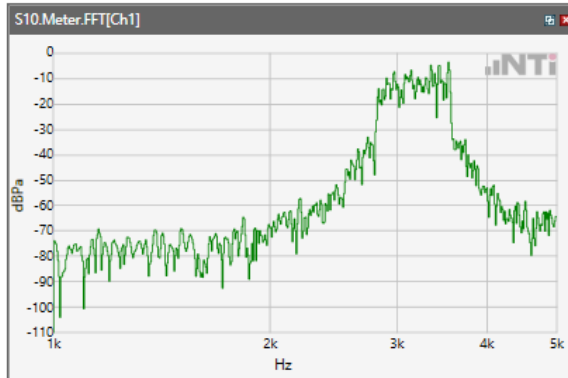
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



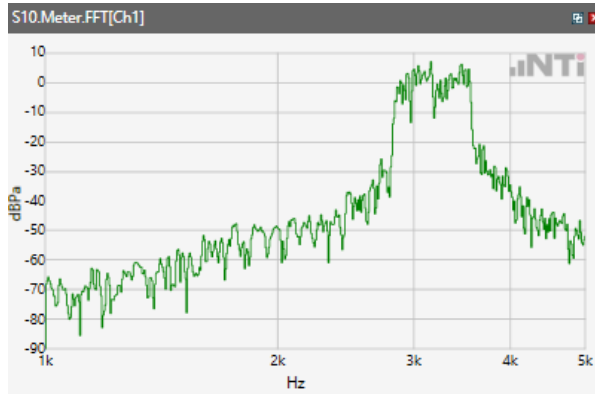
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



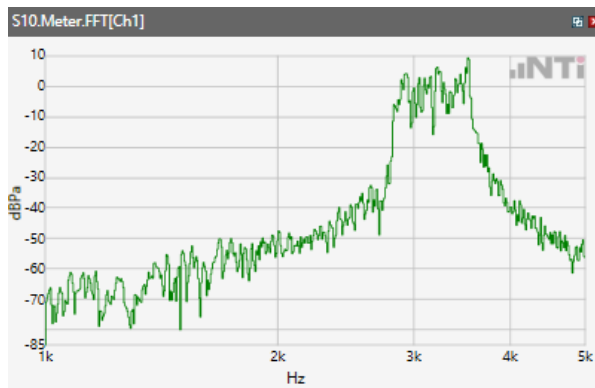
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



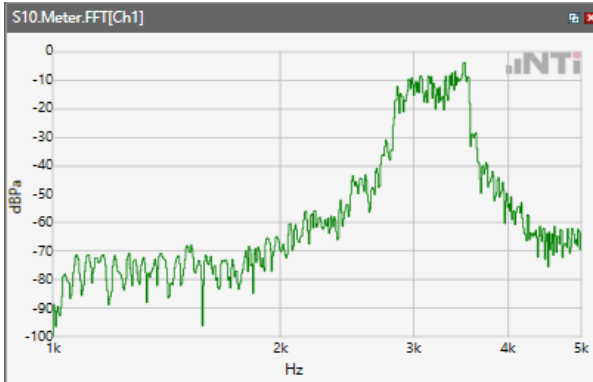
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



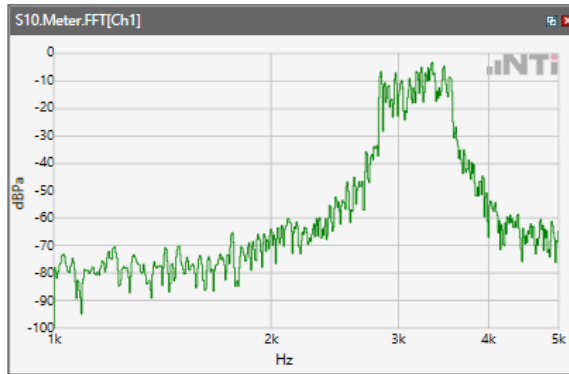
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



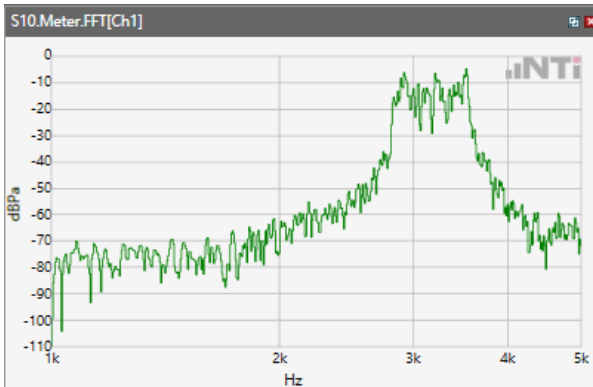
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



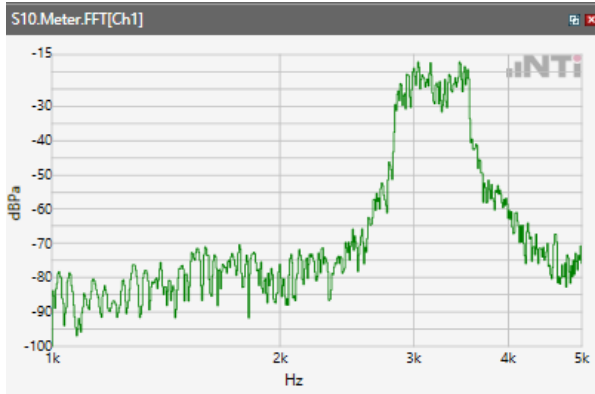
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



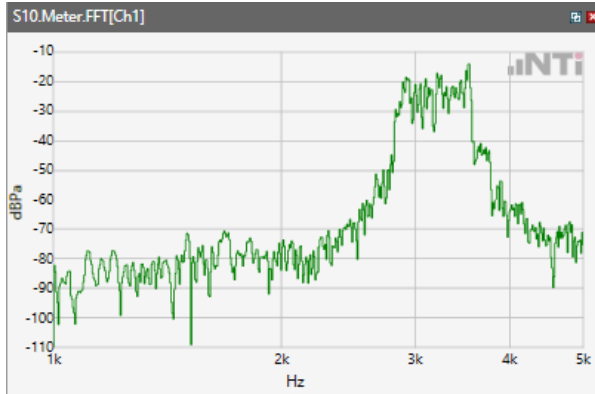
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



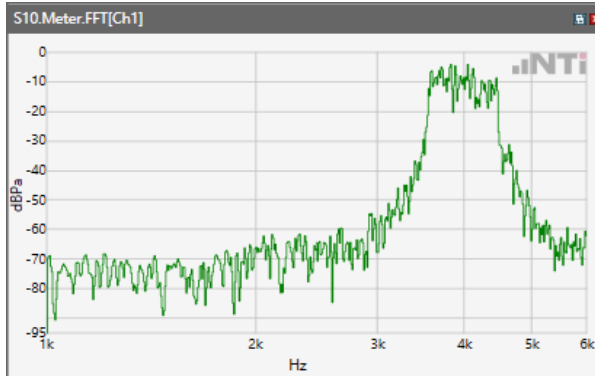
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz



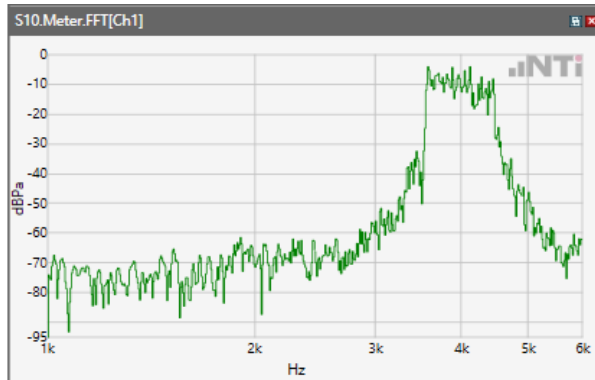


## Receive path - distortion and noise 4000Hz WB only

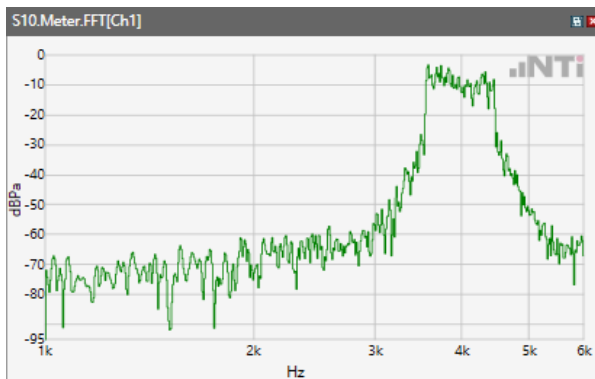
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



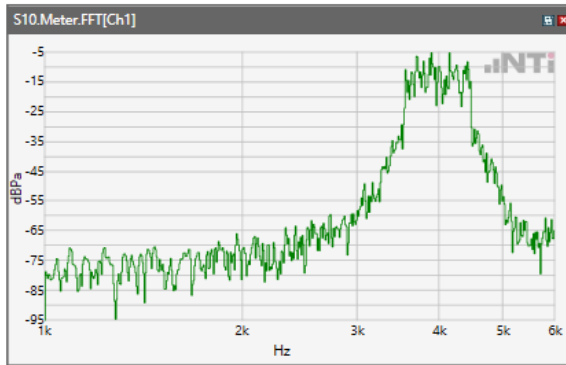
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



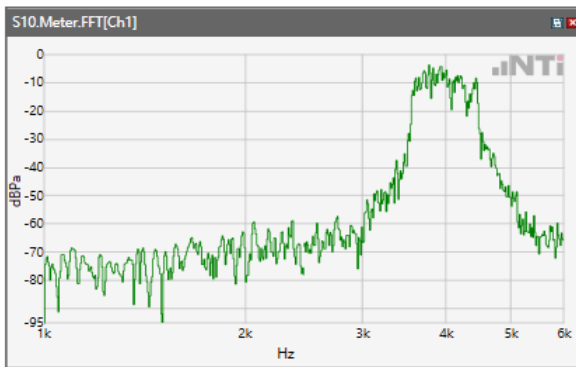
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V



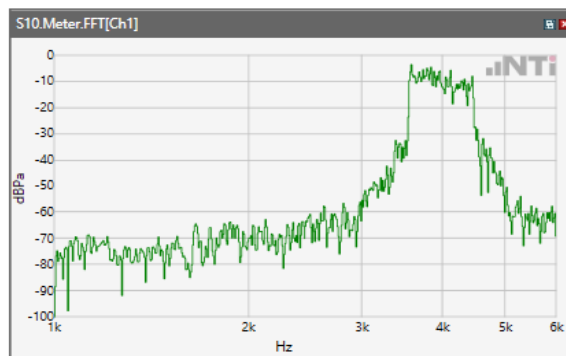
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



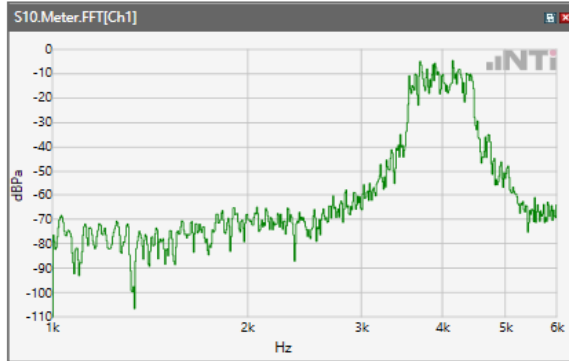
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 4



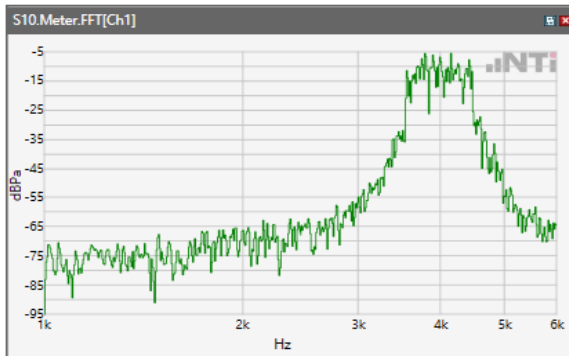
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



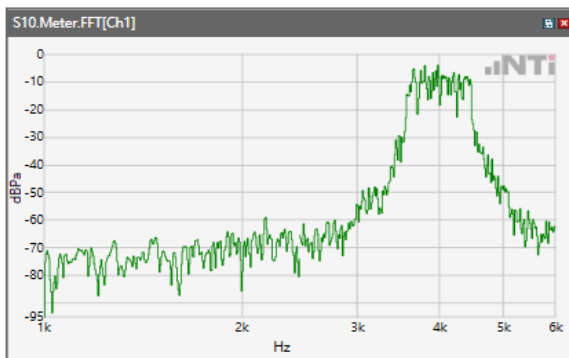
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 7



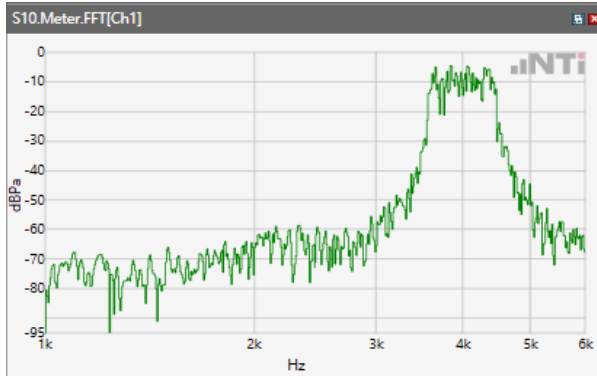
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



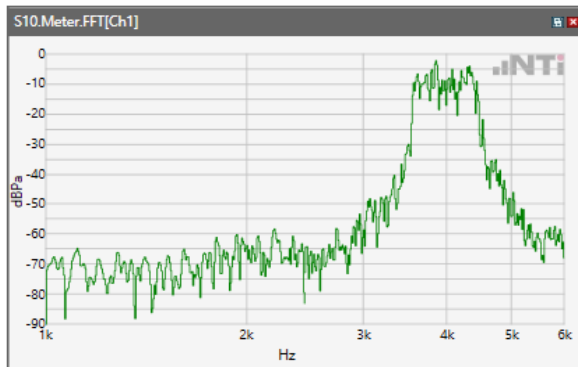
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



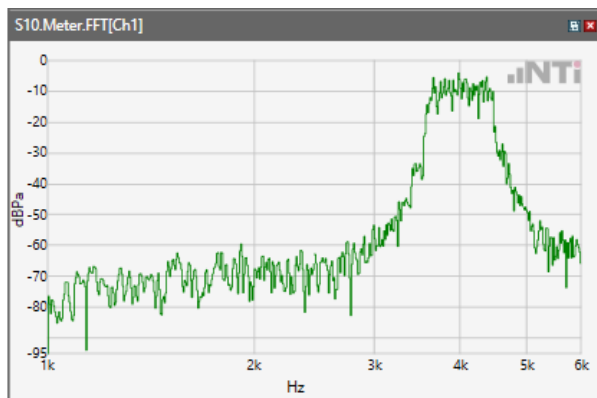
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 48



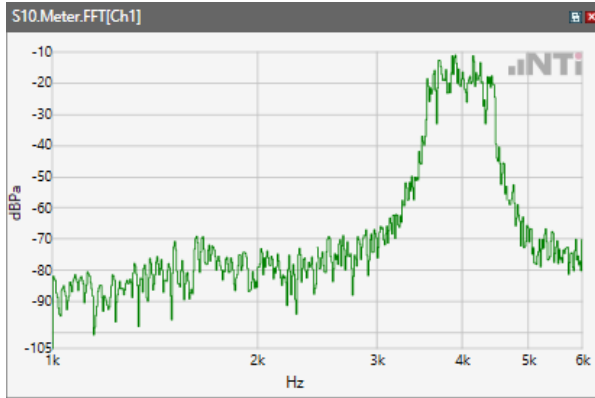
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



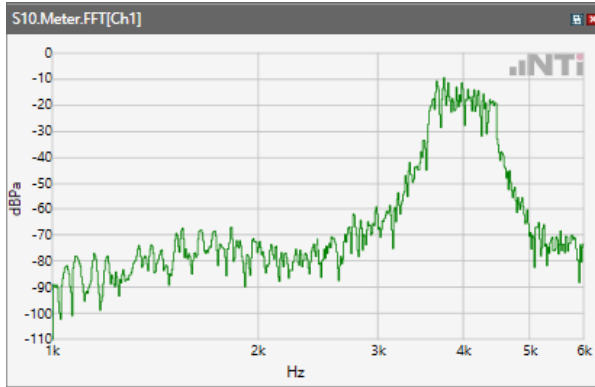
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz

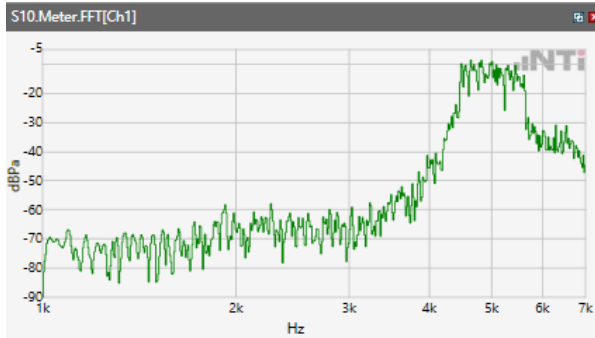


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

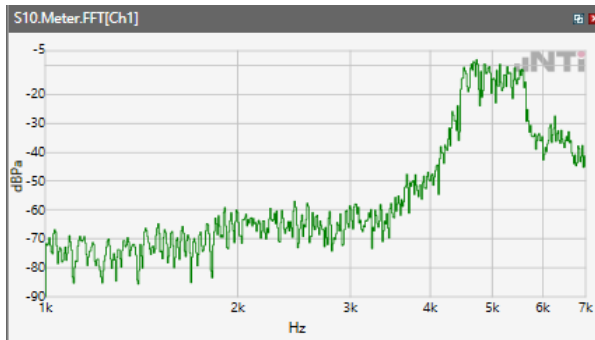


## Receive path - distortion and noise 5000Hz WB only

ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band II



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band IV



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps\ 5.2 Receive path – distortion and noise\WCDMAA Band V

