Annex D Test Results of Volume Control

Measurement Protocol

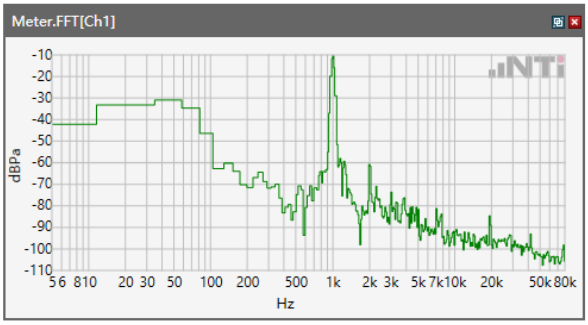
Project	SZ24050074 of TIA 5050 v1

5.1 Receive Volume Control Performance 8N---NB 5
Receive path - distortion and noise 400Hz WB&NB 11
Receive path - distortion and noise 500Hz WB&NB 17
Receive path - distortion and noise 630Hz WB&NB 23
Receive path - distortion and noise 800Hz WB&NB 29
Receive path - distortion and noise 1000Hz WB&NB 35
Receive path - distortion and noise 1250Hz WB&NB 40
Receive path - distortion and noise 1600Hz WB&NB 45
Receive path - distortion and noise 2000Hz WB&NB 51
Receive path - distortion and noise 2500Hz WB&NB 57
Receive path - distortion and noise 3150Hz WB&NB 63
5.2 Receive path – distortion and noise 69
5.3 Receive Acoustic Frequency response Performance 70
5.1 Receive Volume Control Performance 8N---WB 79
Receive path - distortion and noise 250 WB only 84
Receive path - distortion and noise 315Hz WB only 89
Receive path - distortion and noise 400Hz WB&NB 94
Receive path - distortion and noise 500Hz WB&NB 99
Receive path - distortion and noise 630Hz WB&NB 104
Receive path - distortion and noise 800Hz WB&NB 109
Receive path - distortion and noise 1000Hz WB&NB 114
Receive path - distortion and noise 1250Hz WB&NB 118
Receive path - distortion and noise 1600Hz WB&NB 123
Receive path - distortion and noise 2000Hz WB&NB 128
Receive path - distortion and noise 2500Hz WB&NB 133
Receive path - distortion and noise 3150Hz WB&NB 138
Receive path - distortion and noise 4000Hz WB only 143
Receive path - distortion and noise 5000Hz WB only 148
5.2 Receive path – distortion and noise 153
5.3 Receive Acoustic Frequency response Performance 154
5.1 Receive Volume Control Performance 8N---EVS NB 162
5.1 Receive Volume Control Performance 8N---EVS WB 166
5.1 Receive Volume Control Performance 2N---NB 170
Receive path - distortion and noise 400Hz WB&NB 176
Receive path - distortion and noise 500Hz WB&NB 182
Receive path - distortion and noise 630Hz WB&NB 188
Receive path - distortion and noise 800Hz WB&NB 194
Receive path - distortion and noise 1000Hz WB&NB 200
Receive path - distortion and noise 1250Hz WB&NB 206
Receive path - distortion and noise 1600Hz WB&NB 212
Receive path - distortion and noise 2000Hz WB&NB 218
Receive path - distortion and noise 2500Hz WB&NB 224
Receive path - distortion and noise 3150Hz WB&NB 230
5.2 Receive path – distortion and noise 236
5.3 Receive Acoustic Frequency response Performance 237
5.1 Receive Volume Control Performance 2N---WB 246
Receive path - distortion and noise 250 WB only 251
Receive path - distortion and noise 315Hz WB only 256

Receive path - distortion and noise 400Hz WB&NB 261
Receive path - distortion and noise 500Hz WB&NB 266
Receive path - distortion and noise 630Hz WB&NB 271
Receive path - distortion and noise 800Hz WB&NB 276
Receive path - distortion and noise 1000Hz WB&NB 281
Receive path - distortion and noise 1250Hz WB&NB 285
Receive path - distortion and noise 1600Hz WB&NB 289
Receive path - distortion and noise 2000Hz WB&NB 293
Receive path - distortion and noise 2500Hz WB&NB 298
Receive path - distortion and noise 3150Hz WB&NB 303
Receive path - distortion and noise 4000Hz WB only 308
Receive path - distortion and noise 5000Hz WB only 313
5.2 Receive path – distortion and noise 318
5.3 Receive Acoustic Frequency response Performance 319
5.1 Receive Volume Control Performance 2N---EVS NB 327
5.1 Receive Volume Control Performance 2N---EVS WB 331

5.1 Receive Volume Control Performance 8N---NB

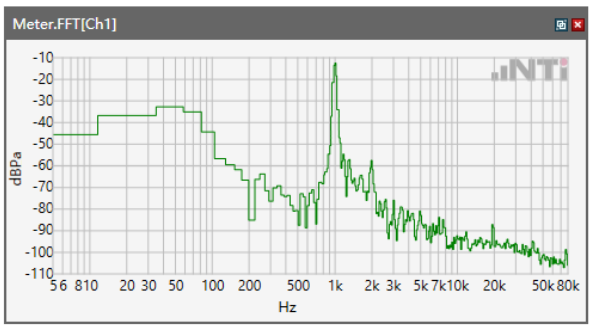
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\GSM 850



Speech Level RCV: 81.86 dB[SPL]

Calculated Value: 11.86 dB Ok

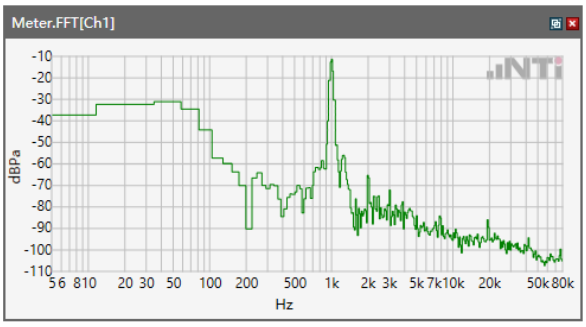
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\GSM 1900



Speech Level RCV: 84.23 dB[SPL]

Calculated Value: 14.23 dB Ok

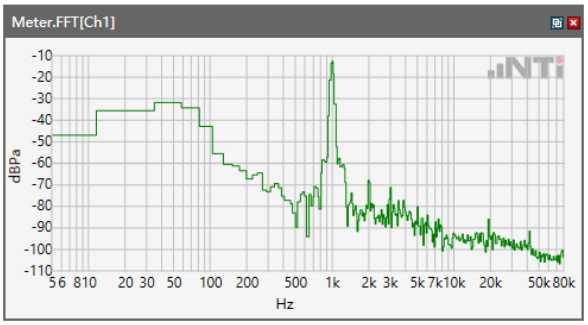
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WCDMA Band II



Speech Level RCV: 85.11 dB[SPL]

Calculated Value: 15.11 dB Ok

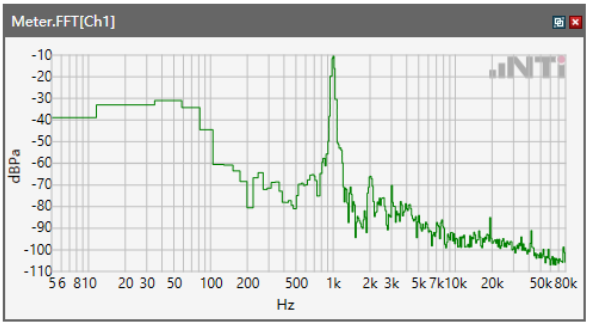
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WCDMA Band IV



Speech Level RCV: 85.23 dB[SPL]

Calculated Value: 15.23 dB Ok

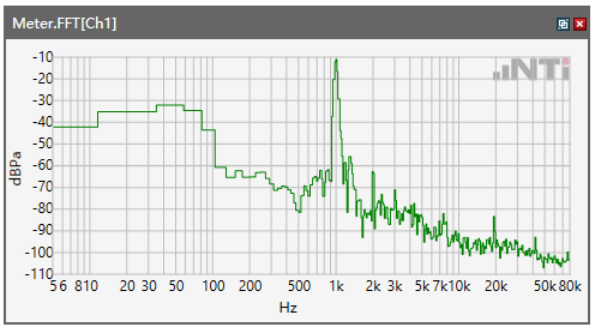
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WCDMA Band V



Speech Level RCV: 85.11 dB[SPL]

Calculated Value: 15.11 dB Ok

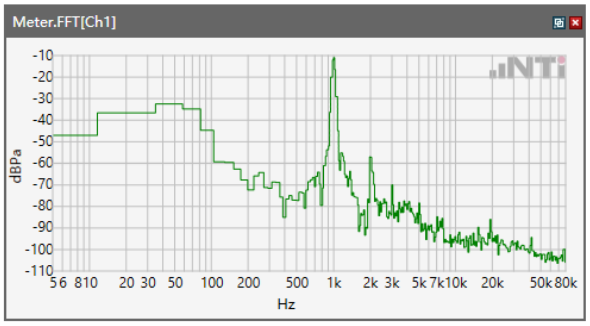
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\LTE Band 12



Speech Level RCV: 84.76 dB[SPL]

Calculated Value: 14.76 dB Ok

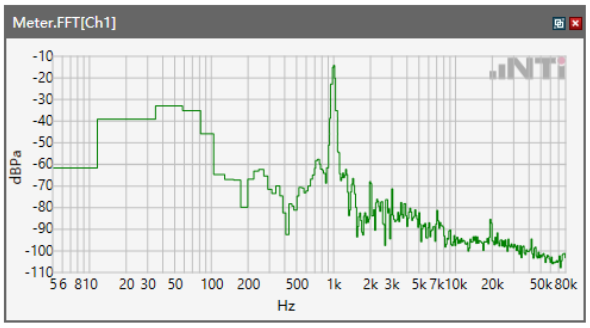
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 13



Speech Level RCV: 82.79 dB[SPL]

Calculated Value: 12.79 dB Ok

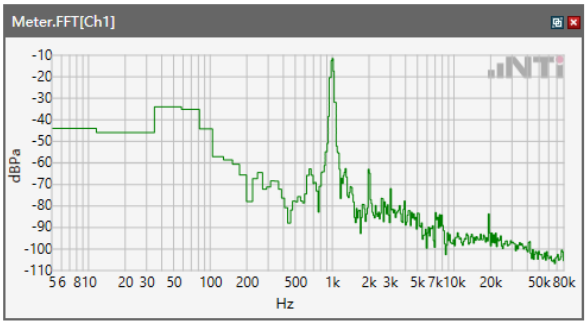
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 25



Speech Level RCV: 88.07 dB[SPL]

Calculated Value: 18.07 dB Ok

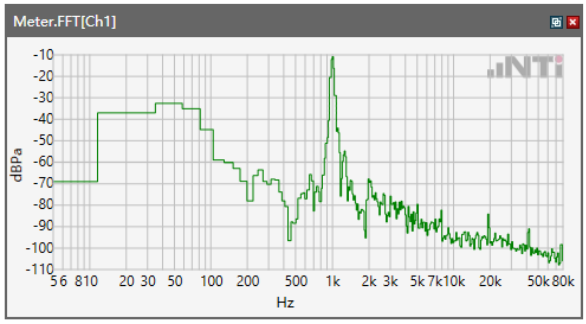
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 26



Speech Level RCV: 85.85 dB[SPL]

Calculated Value: 15.85 dB Ok

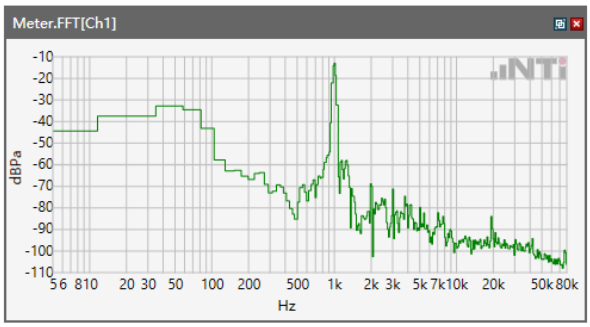
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 41



Speech Level RCV: 88.27 dB[SPL]

Calculated Value: 18.27 dB Ok

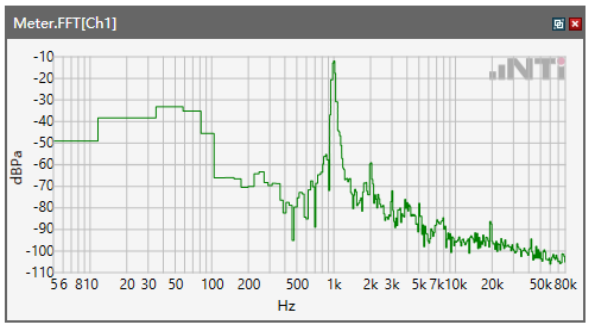
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 66



Speech Level RCV: 87.02 dB[SPL]

Calculated Value: 17.02 dB Ok

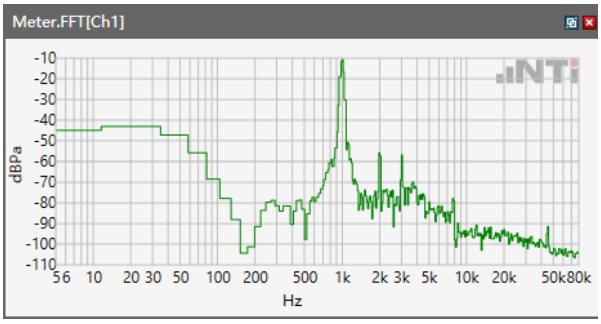
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 71



Speech Level RCV: 84.82 dB[SPL]

Calculated Value: 14.82 dB Ok

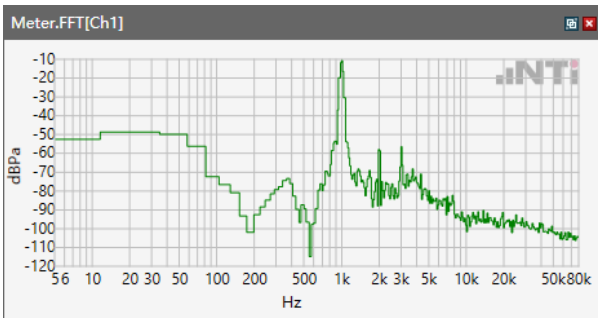
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 2.4GHz



Speech Level RCV: 85.39 dB[SPL]

Calculated Value: 15.39 dB Ok

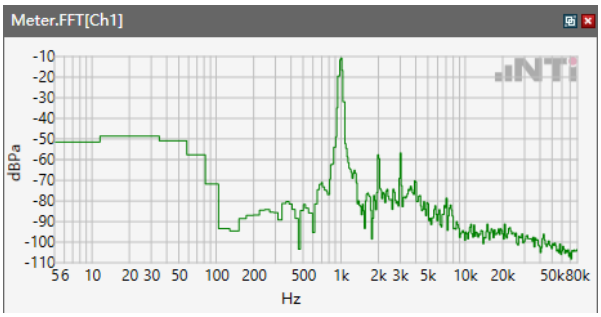
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.2GHz



Speech Level RCV: 83.17 dB[SPL]

Calculated Value: 13.17 dB Ok

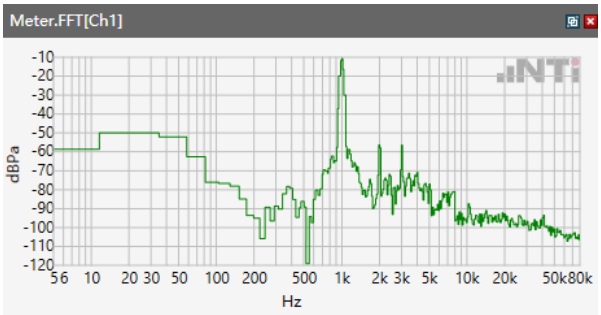
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.3GHz



Speech Level RCV: 85.59 dB[SPL]

Calculated Value: 15.59 dB Ok

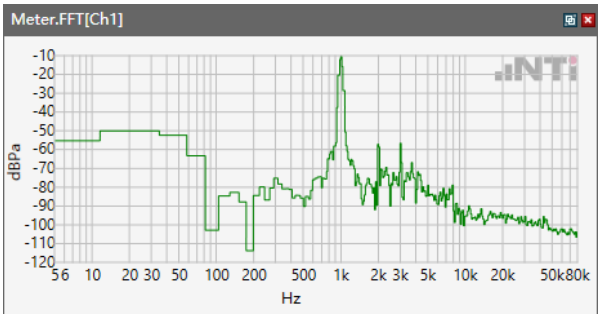
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.5GHz



Speech Level RCV: 84.34 dB[SPL]

Calculated Value: 14.34 dB Ok

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

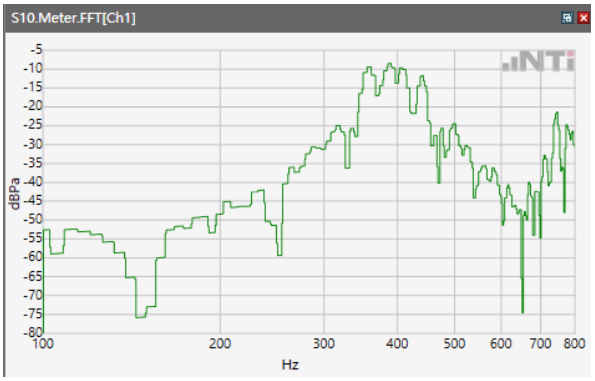


Speech Level RCV: 82.14 dB[SPL]

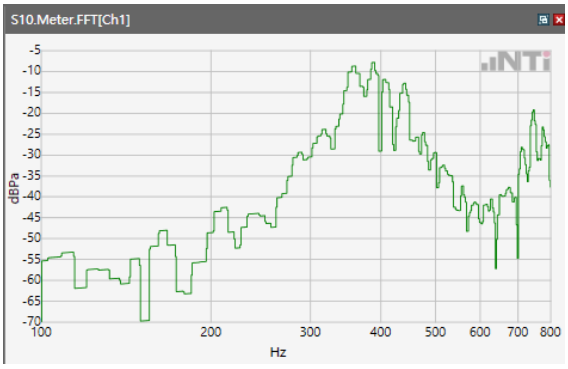
Calculated Value: 12.14 dB Ok

Receive path - distortion and noise 400Hz WB&NB

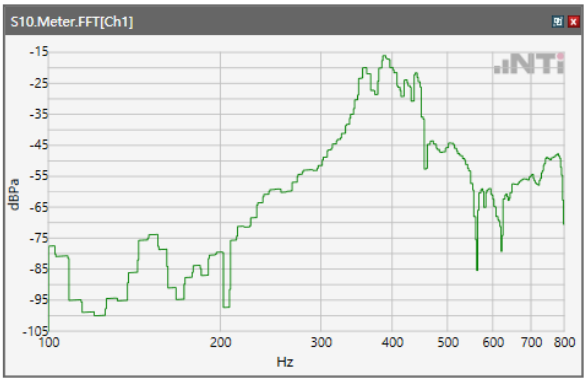
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



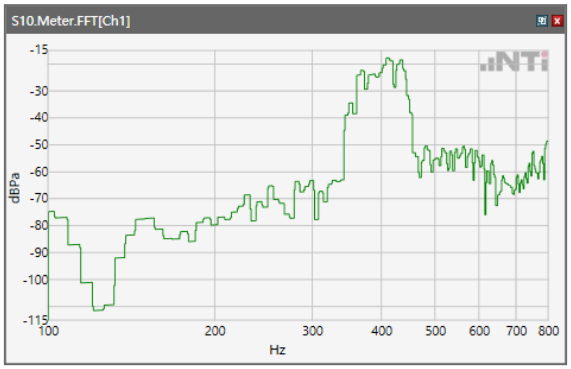
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



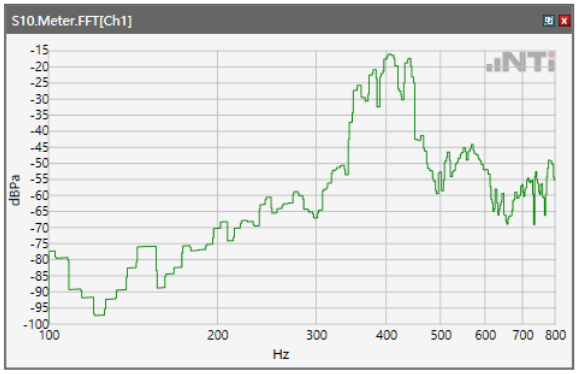
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



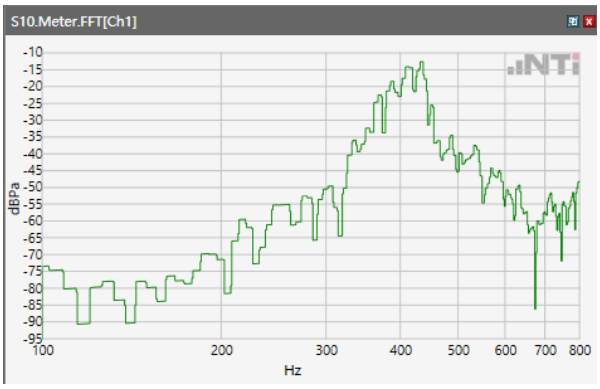
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



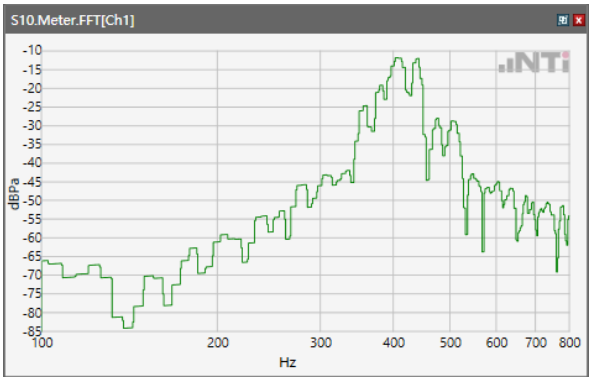
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



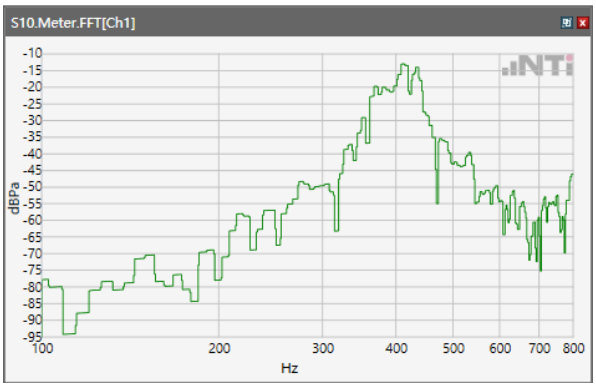
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



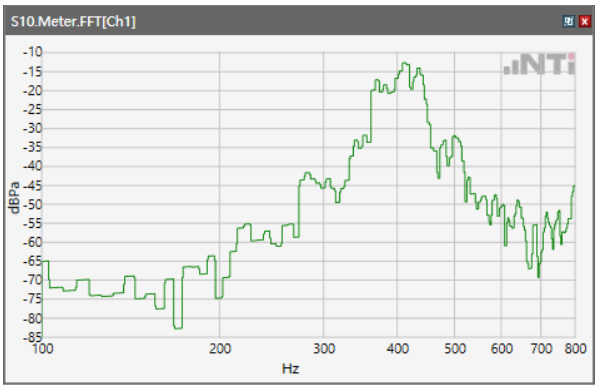
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



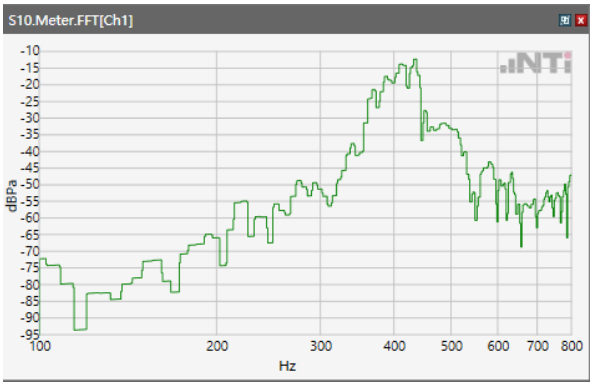
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



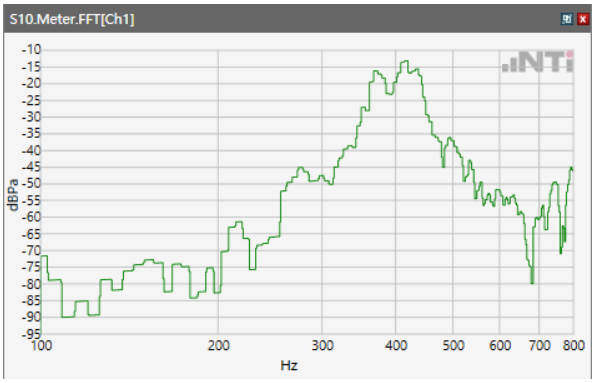
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



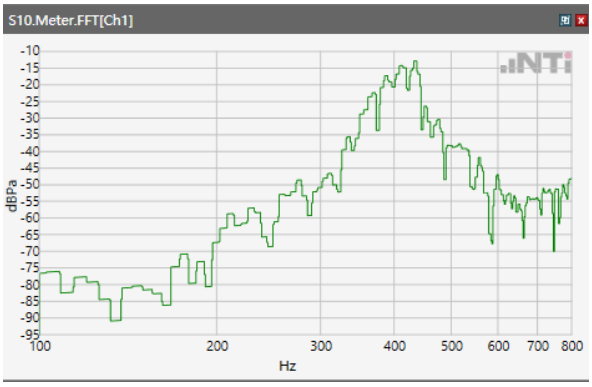
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



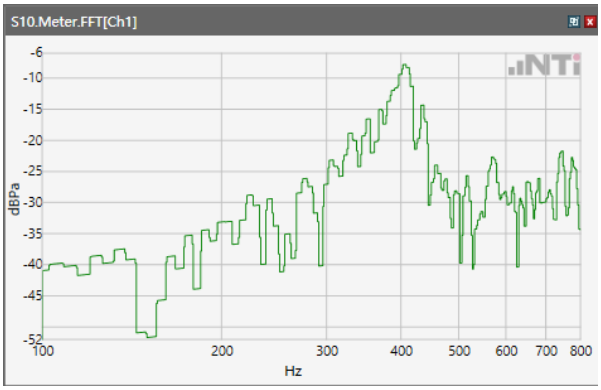
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



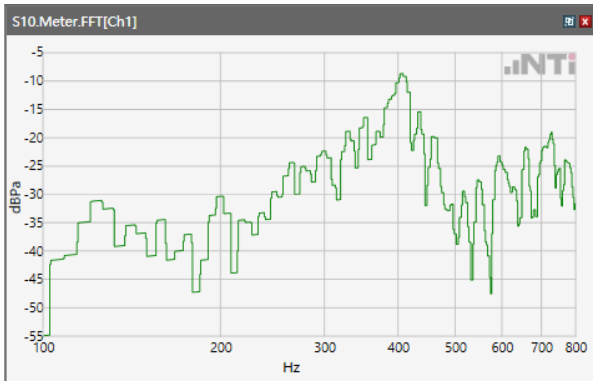
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



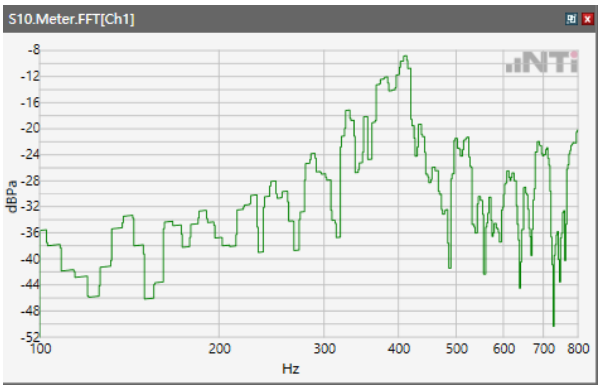
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



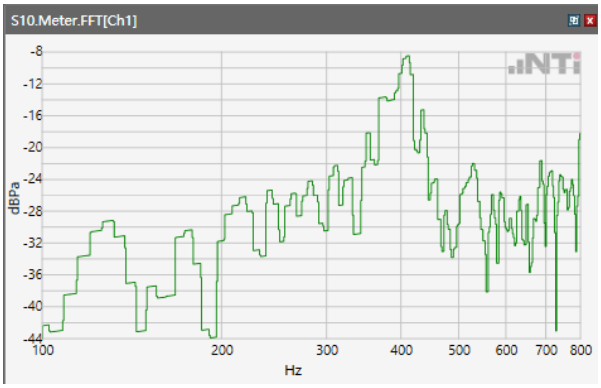
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



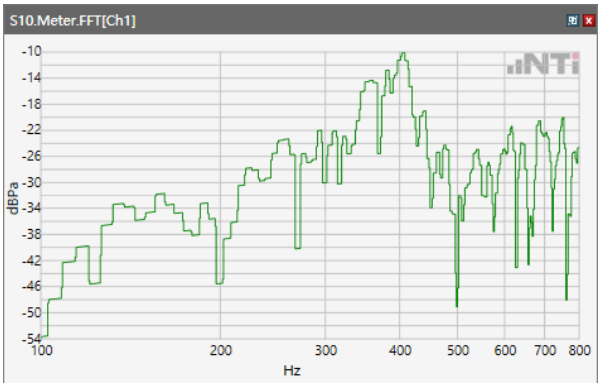
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

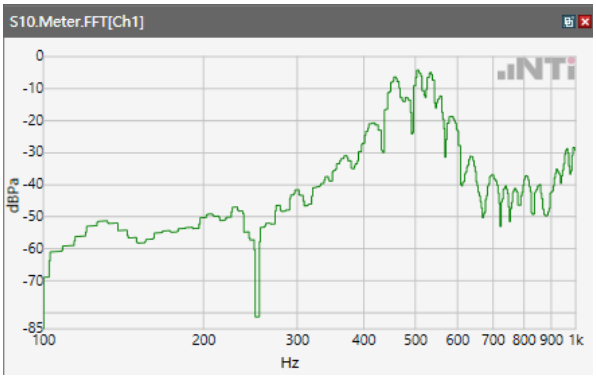


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8 GHz

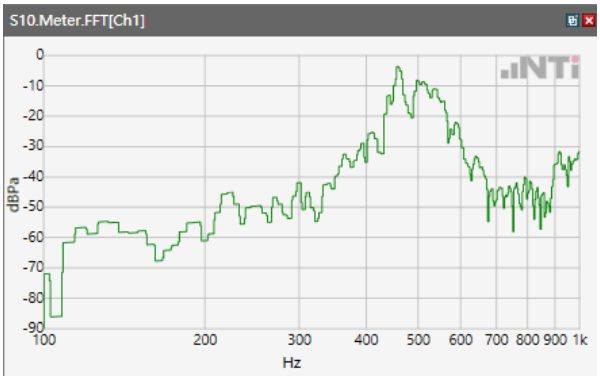


Receive path - distortion and noise 500Hz WB&NB

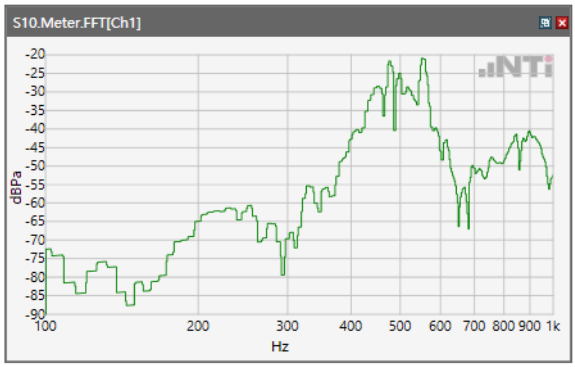
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



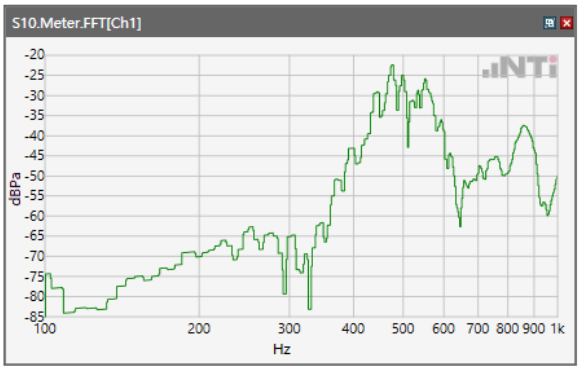
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



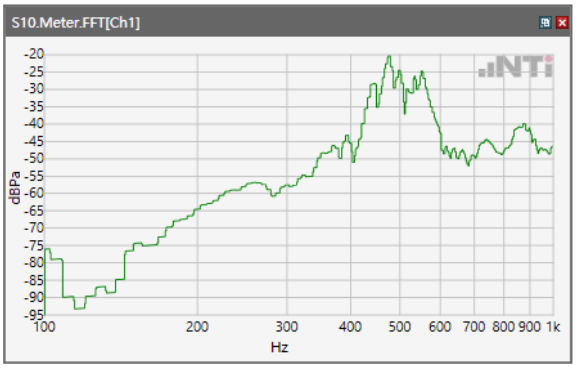
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



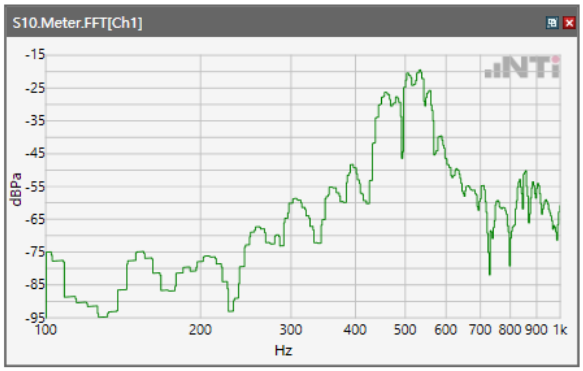
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



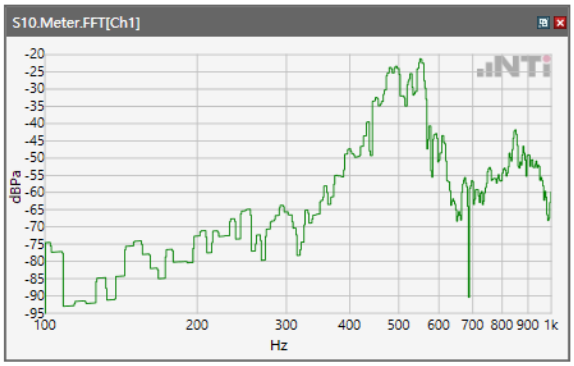
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



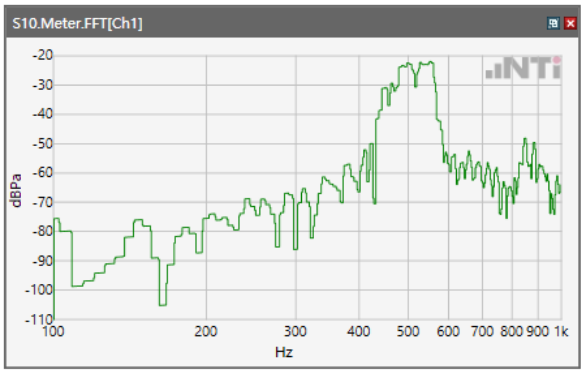
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



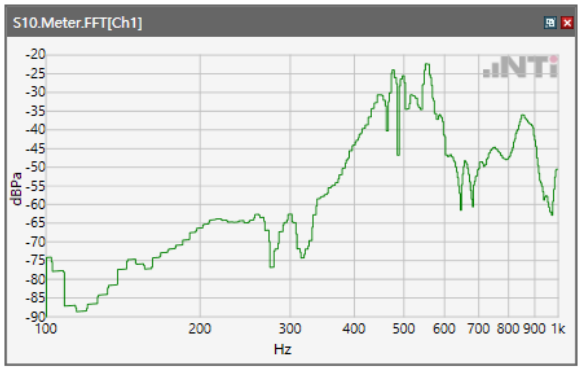
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



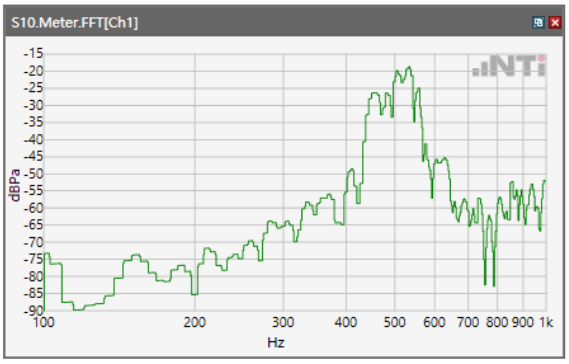
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



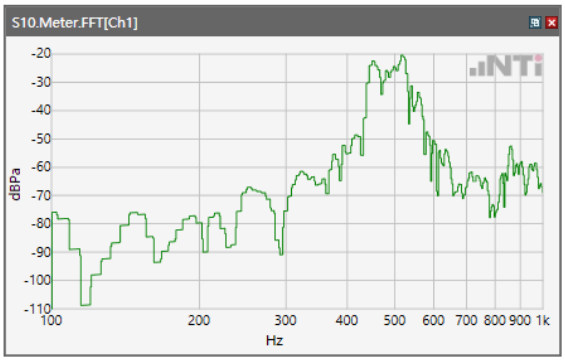
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



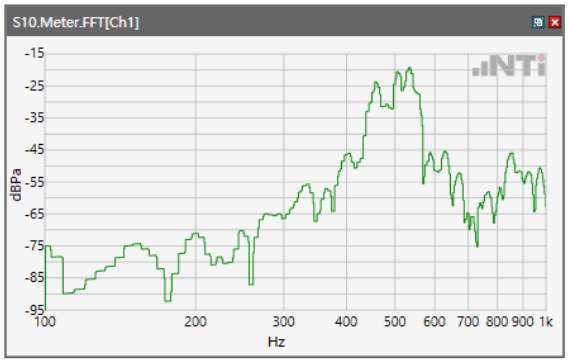
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



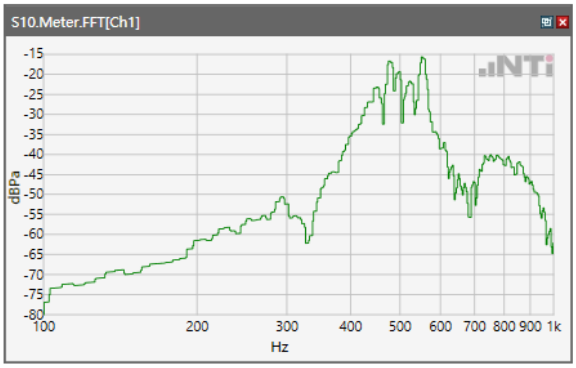
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



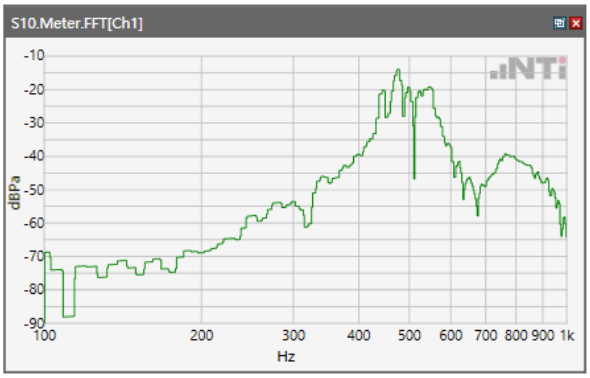
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



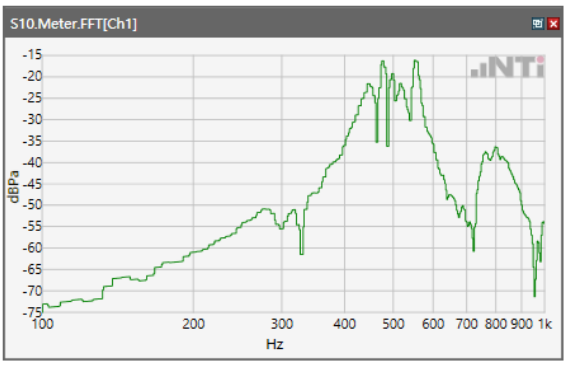
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



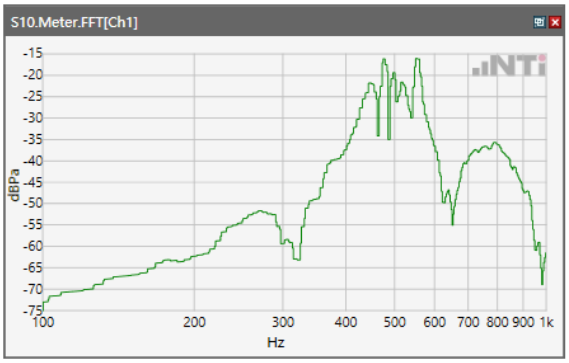
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



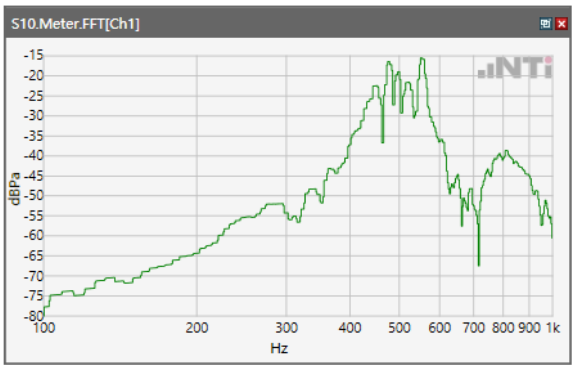
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

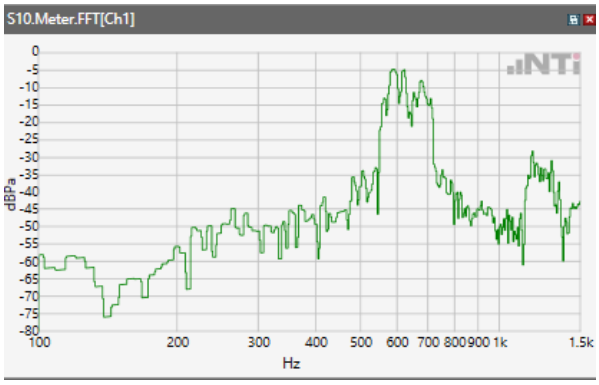


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8 GHz

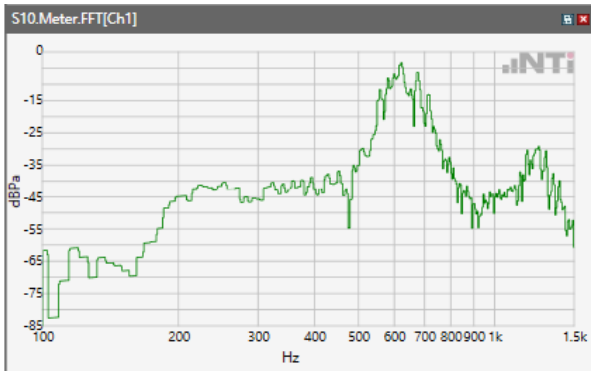


Receive path - distortion and noise 630Hz WB&NB

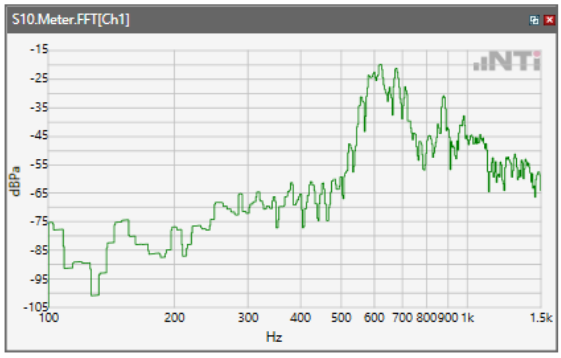
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



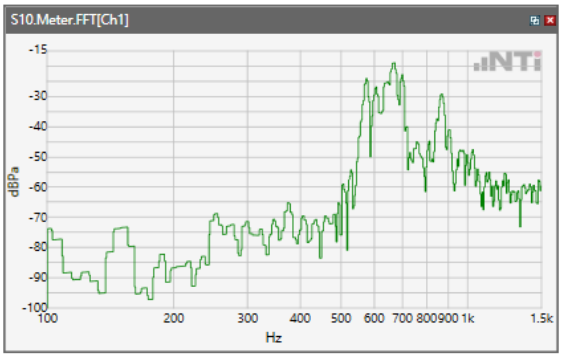
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



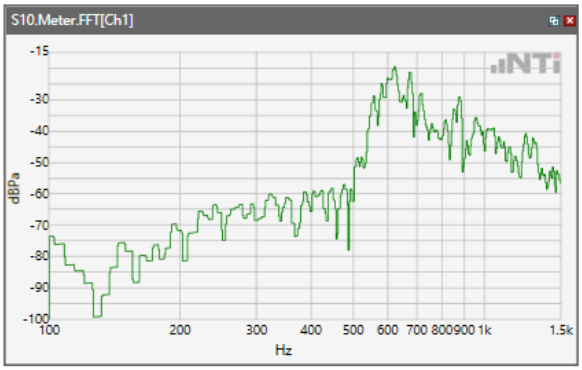
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



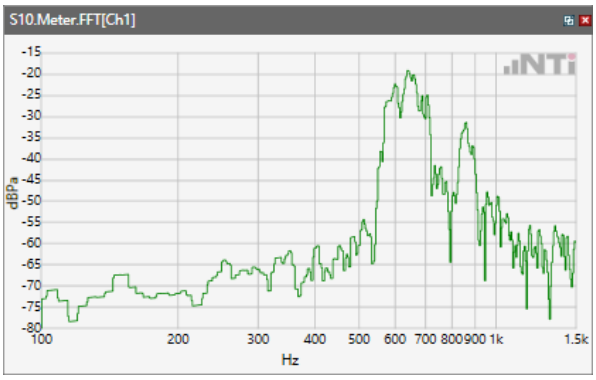
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



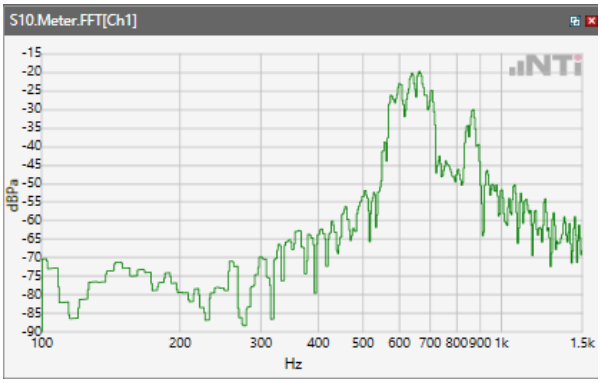
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



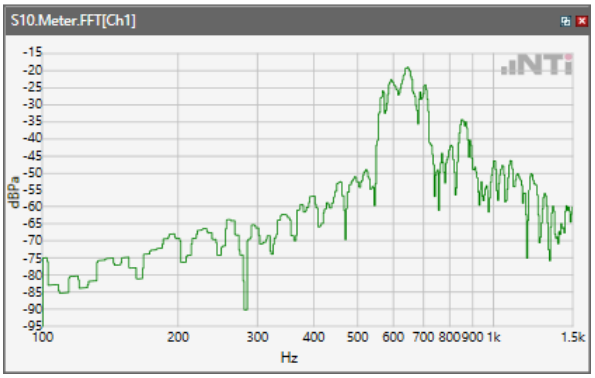
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



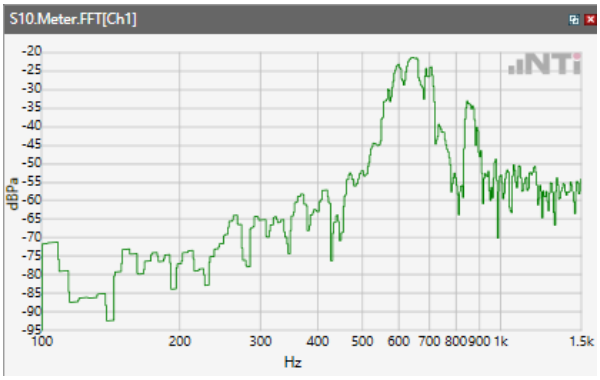
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



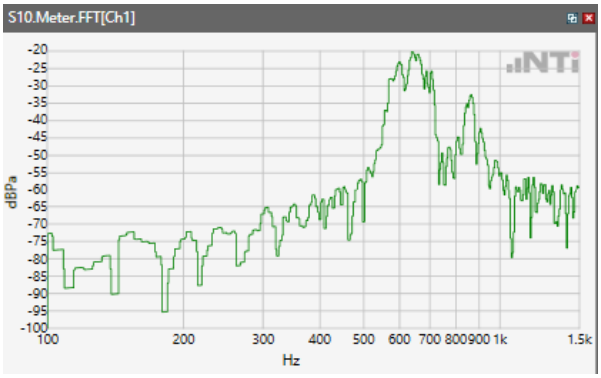
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



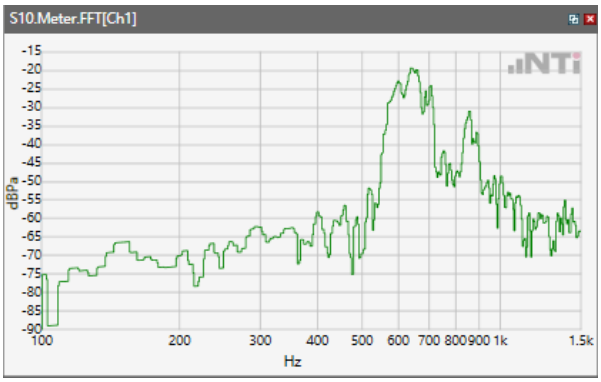
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



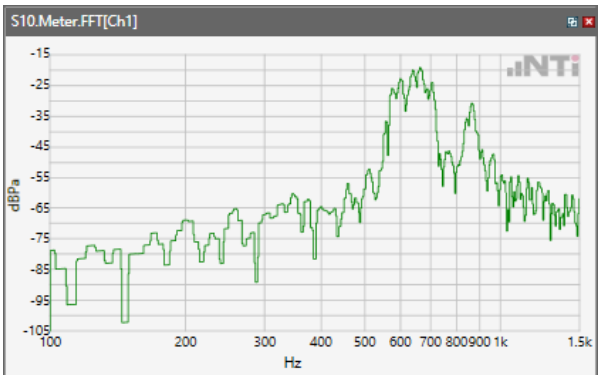
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



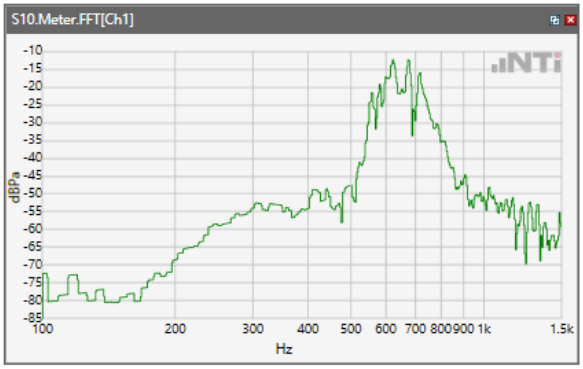
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



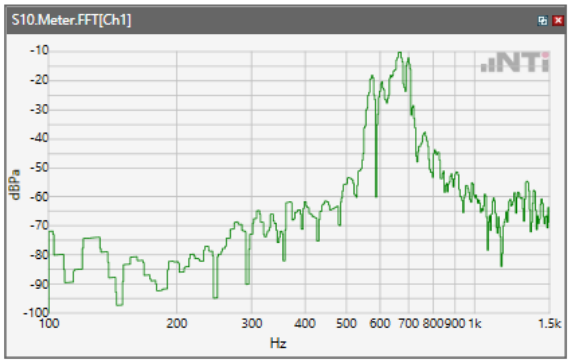
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



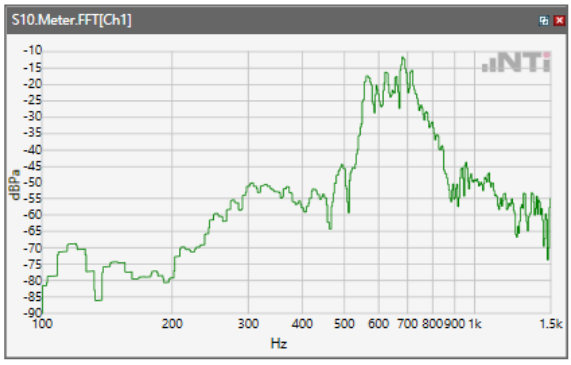
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



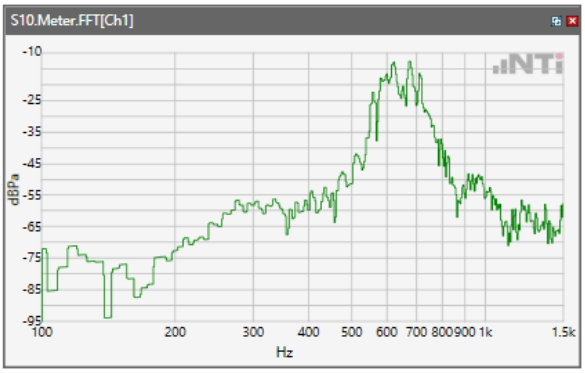
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



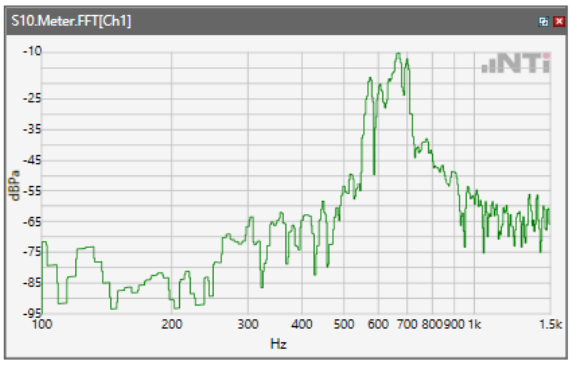
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

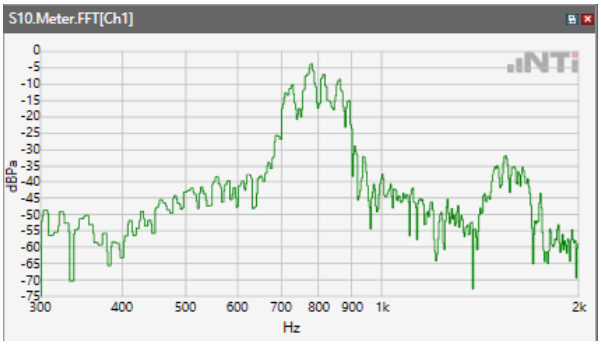


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8 GHz

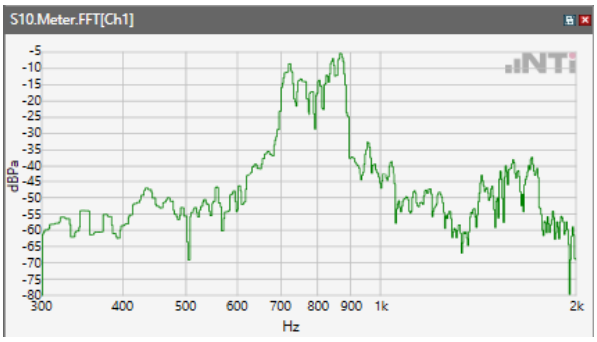


Receive path - distortion and noise 800Hz WB&NB

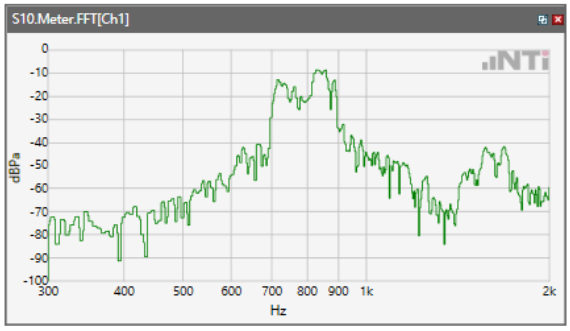
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



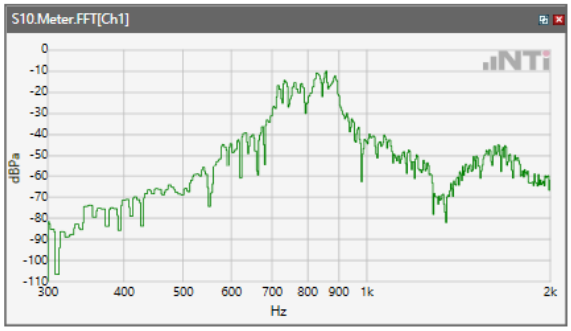
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



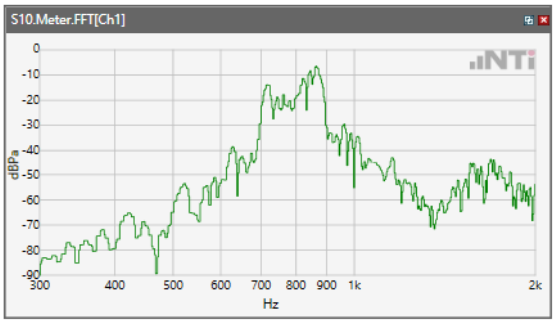
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



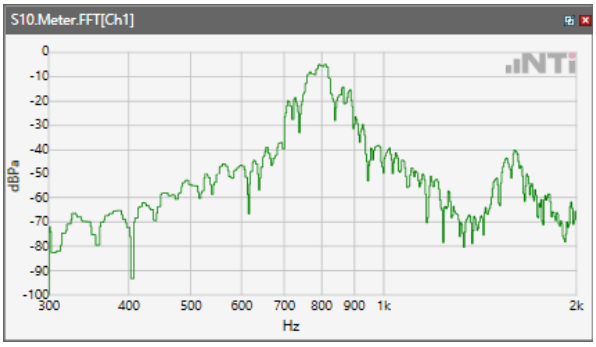
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



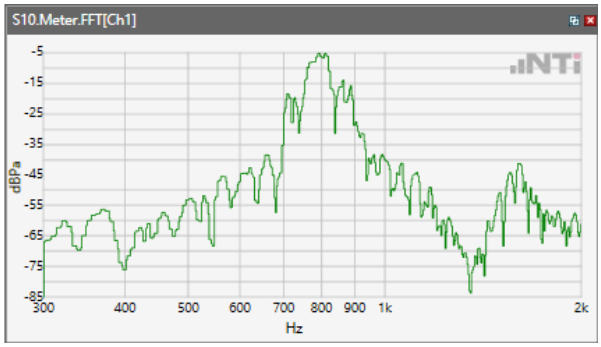
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



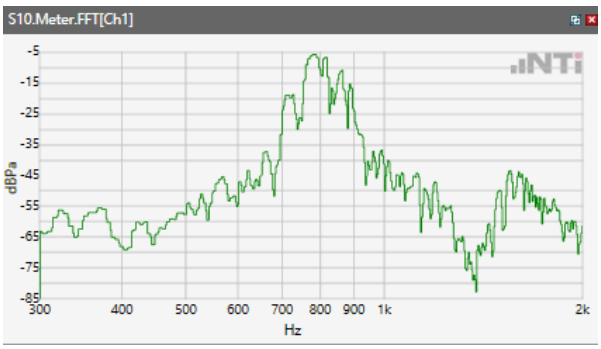
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



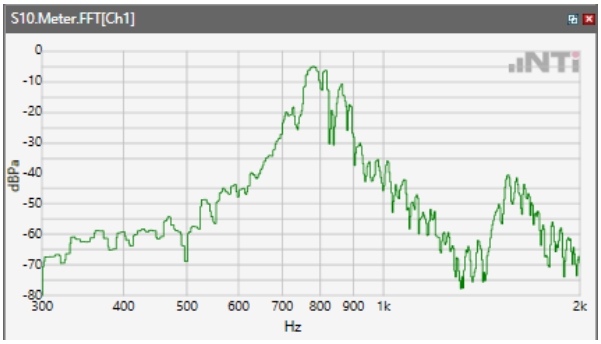
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



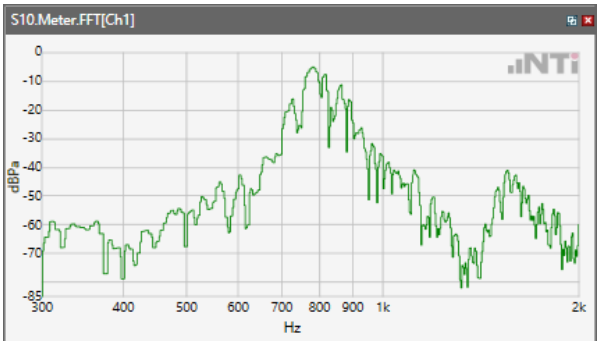
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



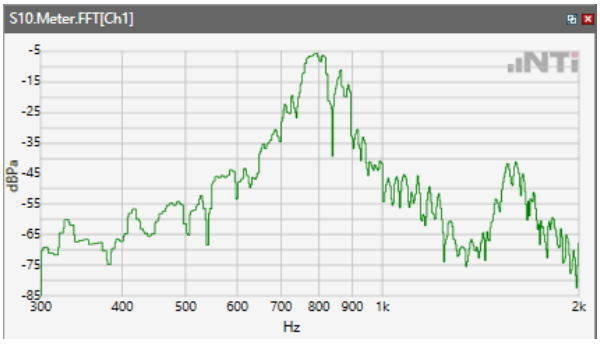
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



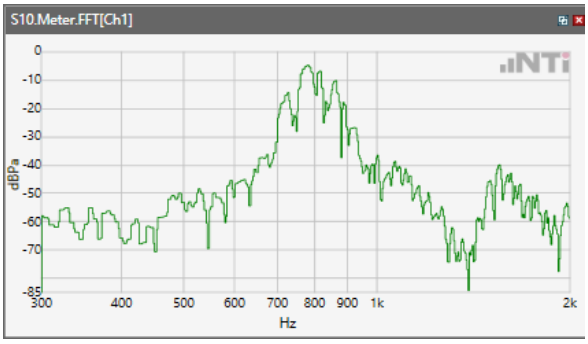
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



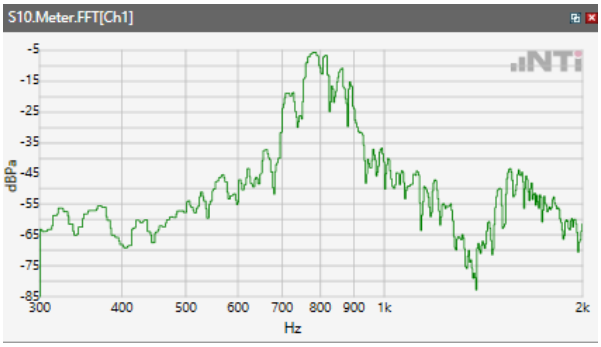
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



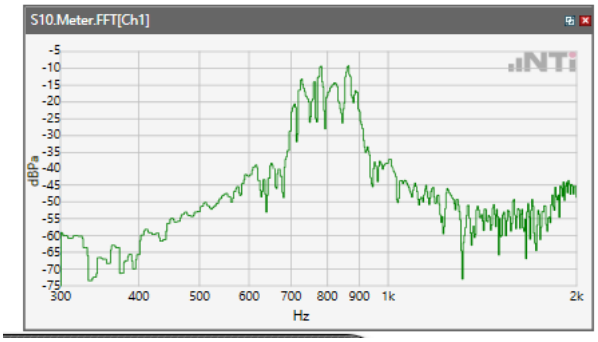
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



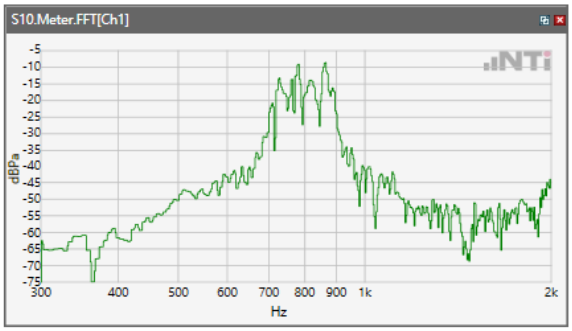
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



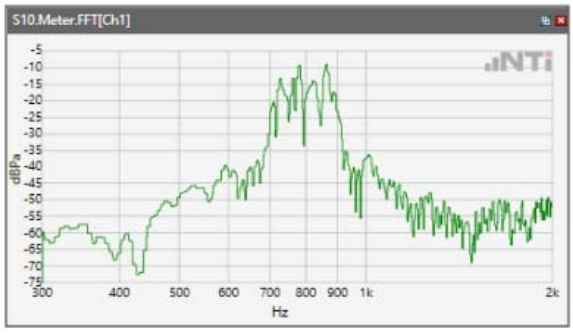
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



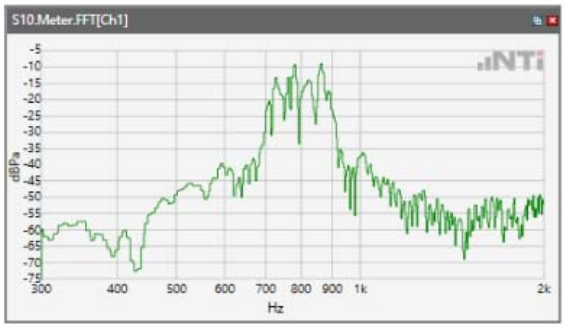
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

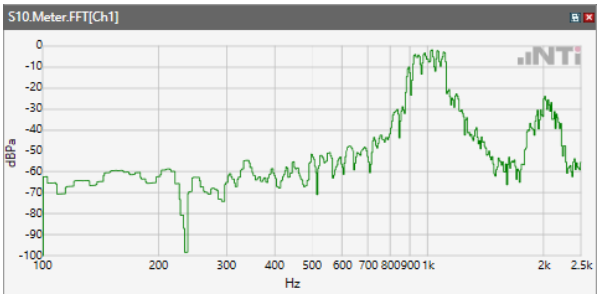


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8 GHz

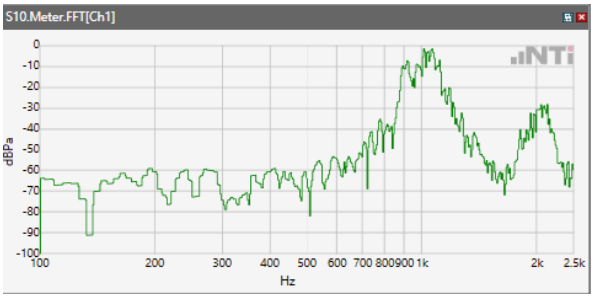


Receive path - distortion and noise 1000Hz WB&NB

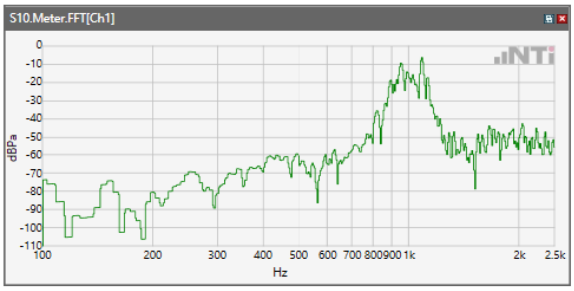
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



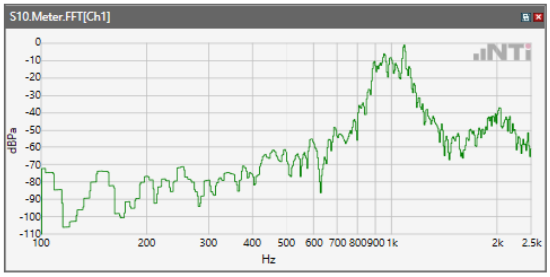
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



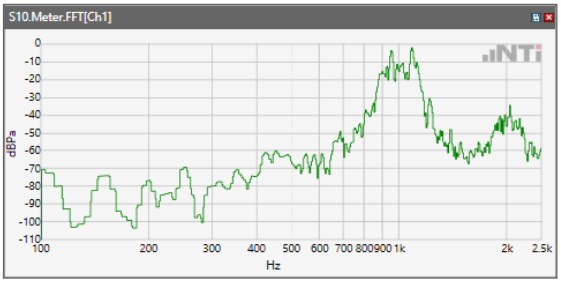
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



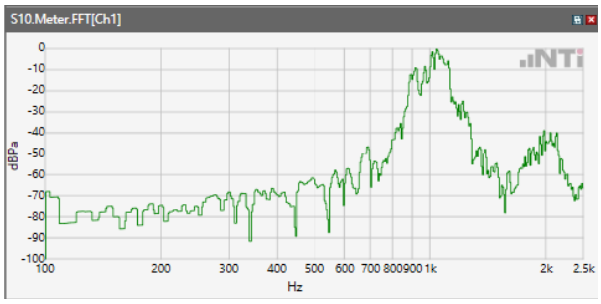
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



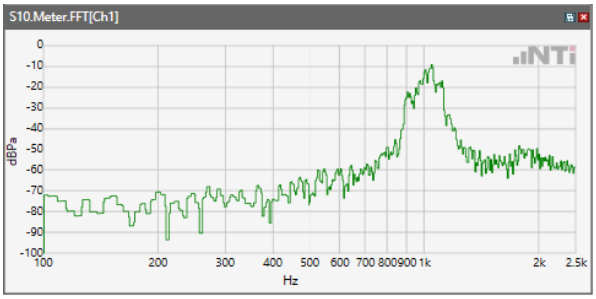
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



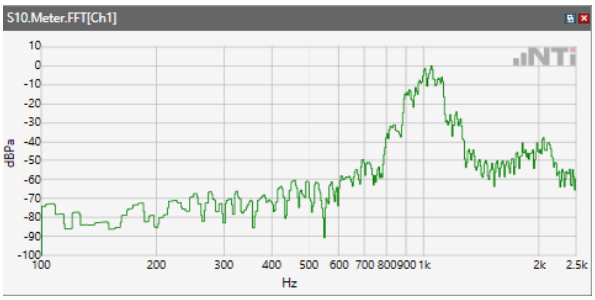
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



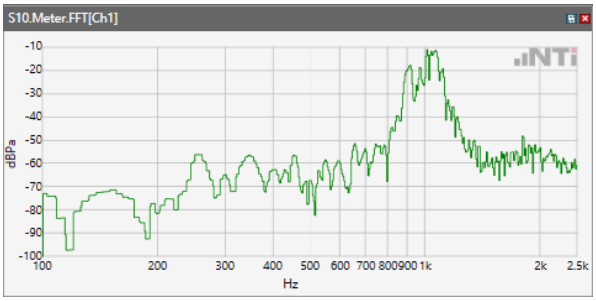
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



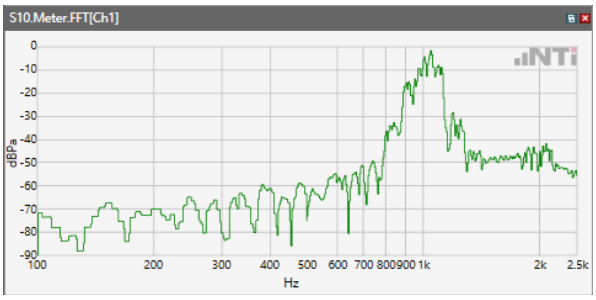
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



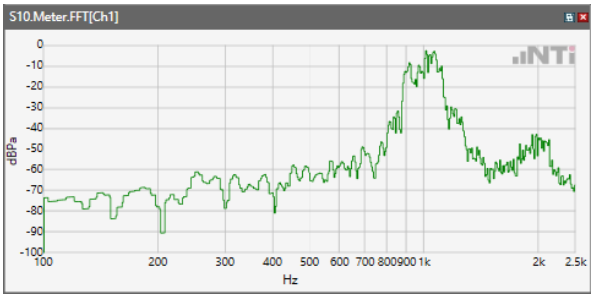
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



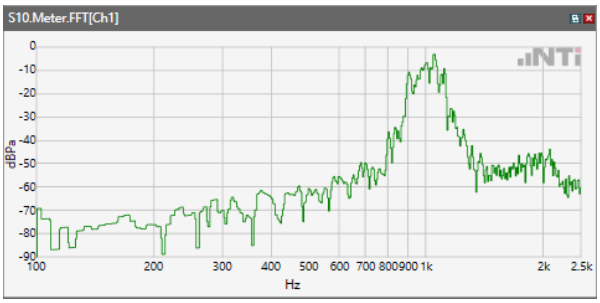
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



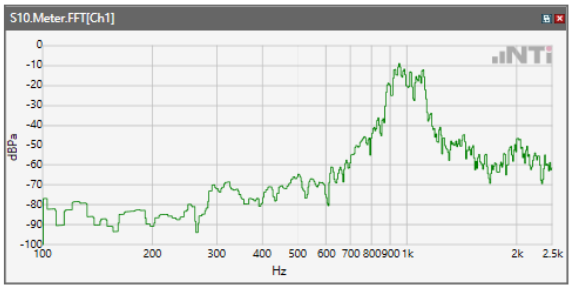
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



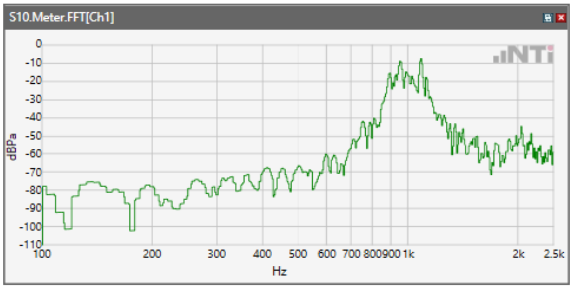
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



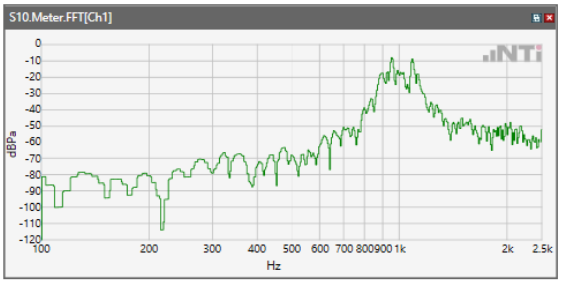
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



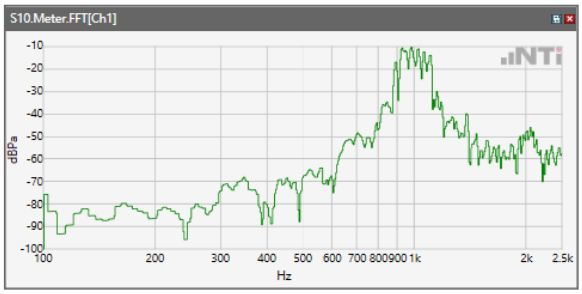
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



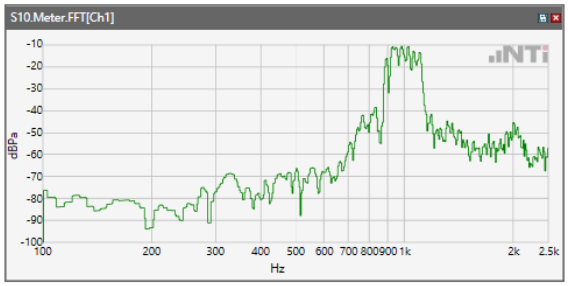
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

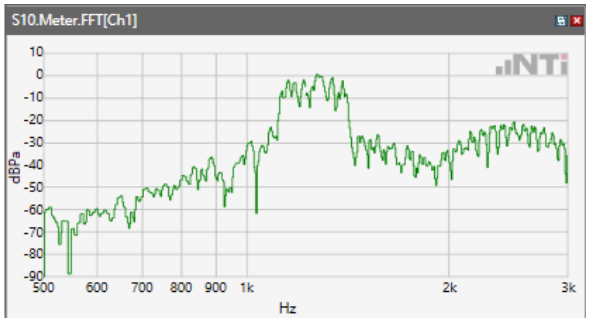


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8 GHz

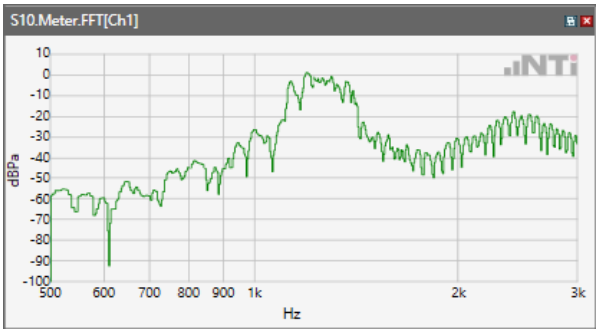


Receive path - distortion and noise 1250Hz WB&NB

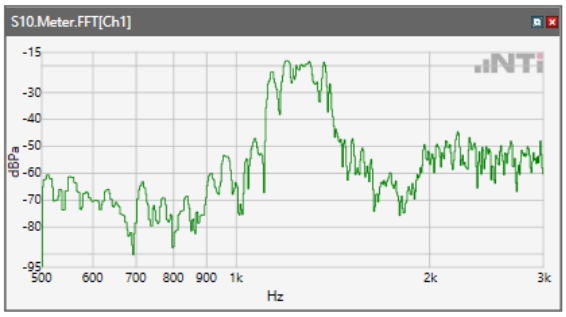
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



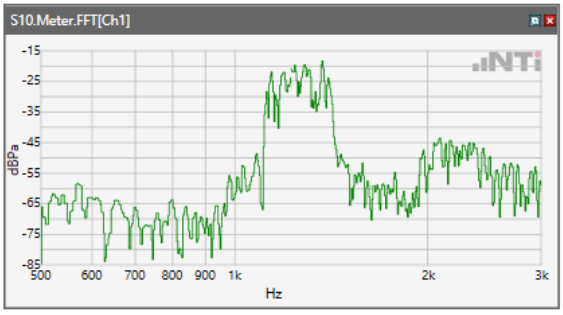
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



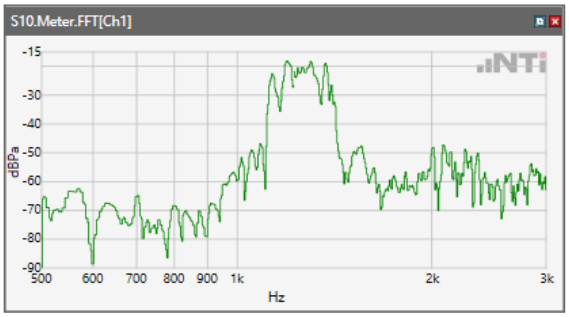
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



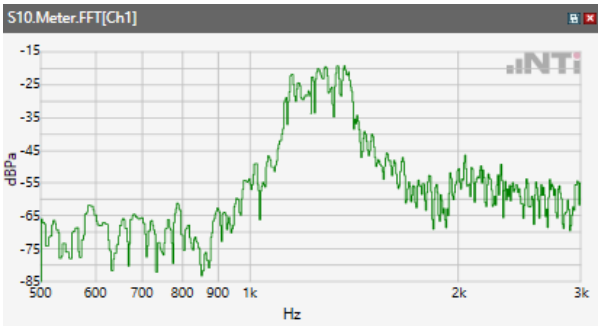
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



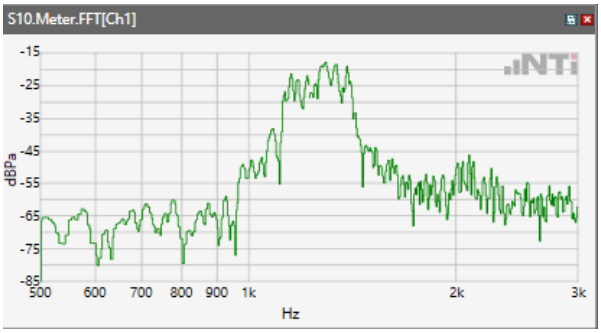
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



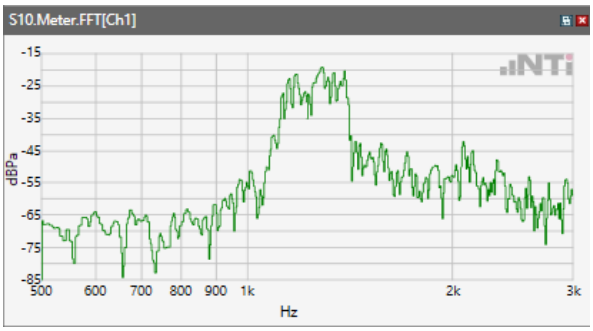
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



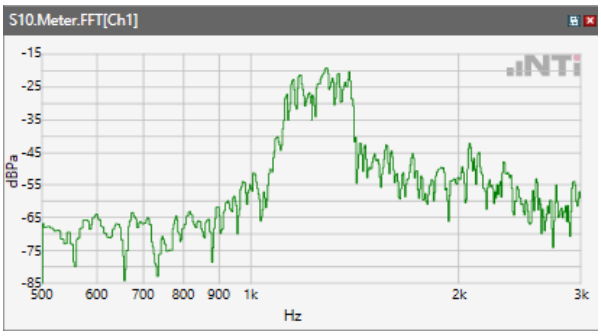
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



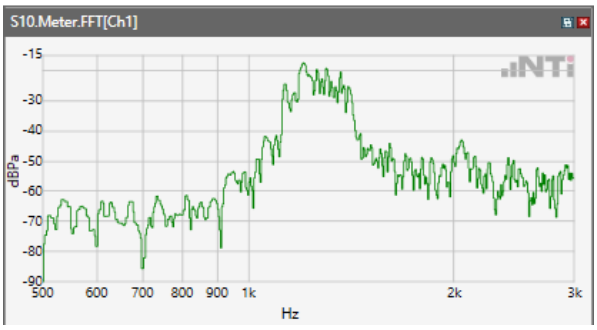
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



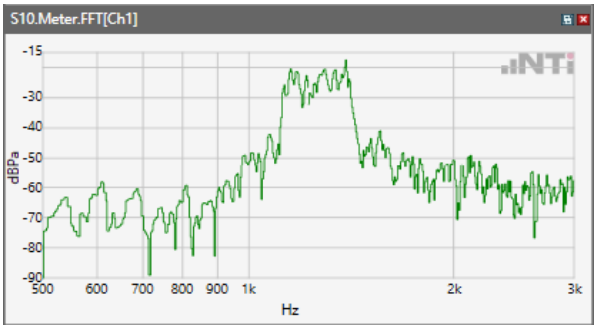
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



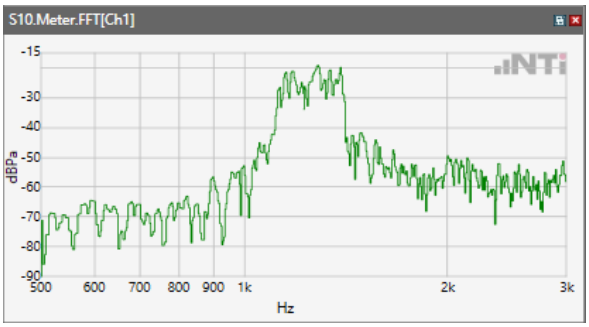
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



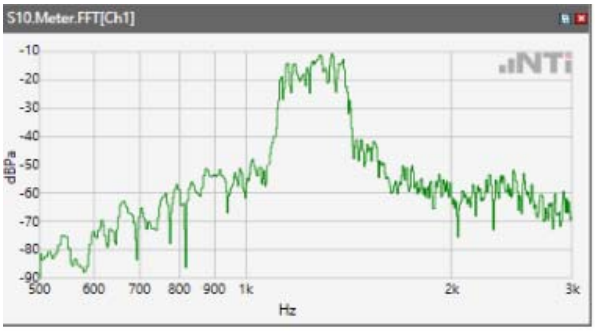
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



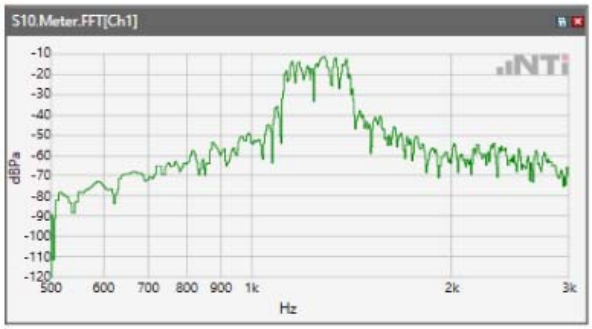
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



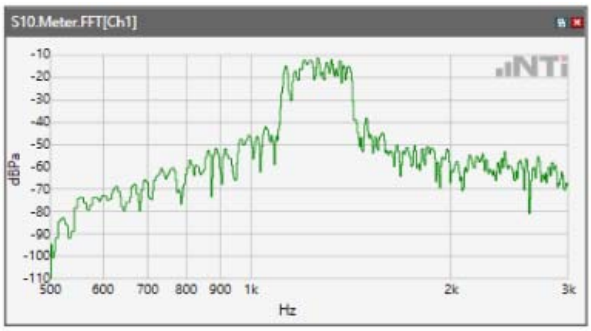
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

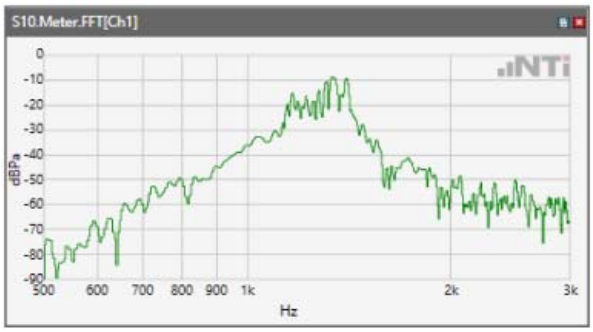


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



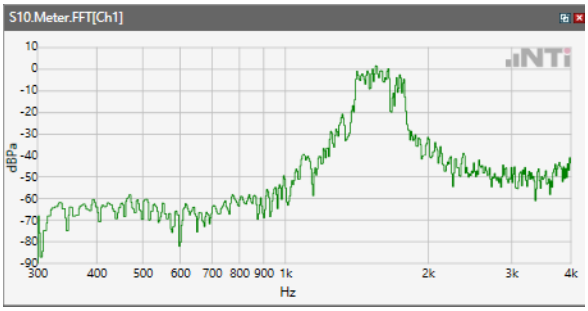
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

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

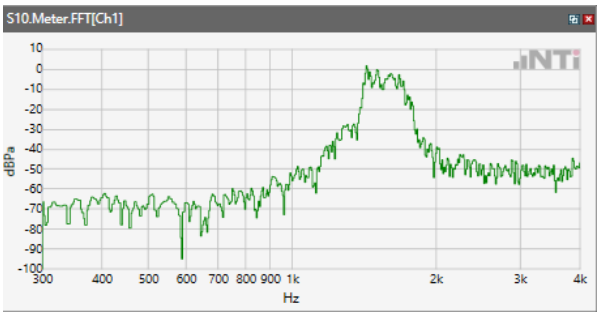


Receive path - distortion and noise 1600Hz WB&NB

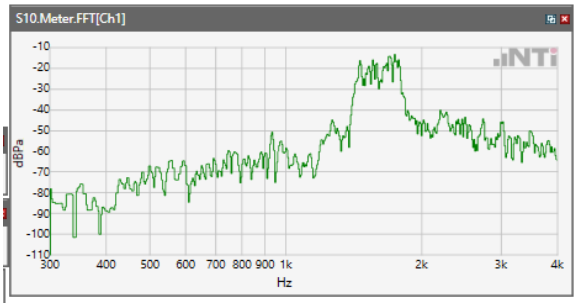
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



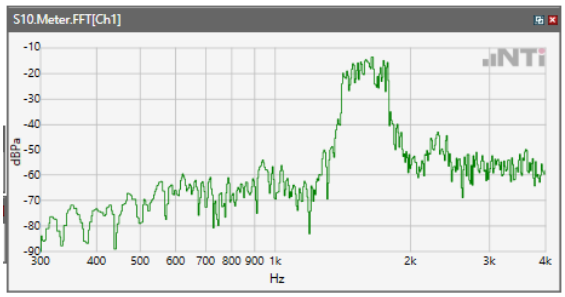
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



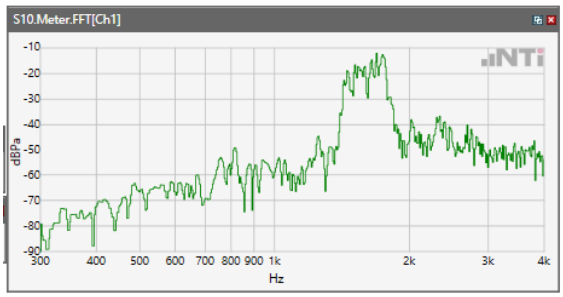
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



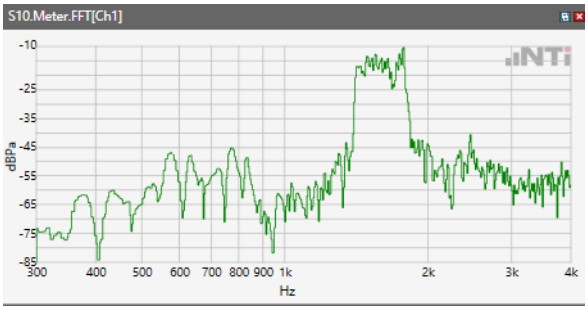
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



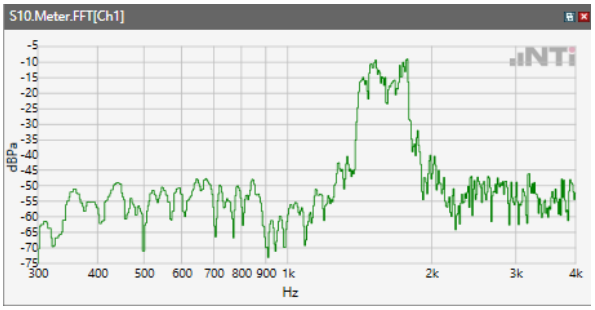
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



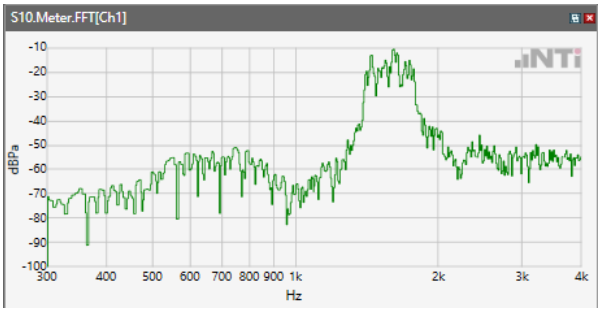
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



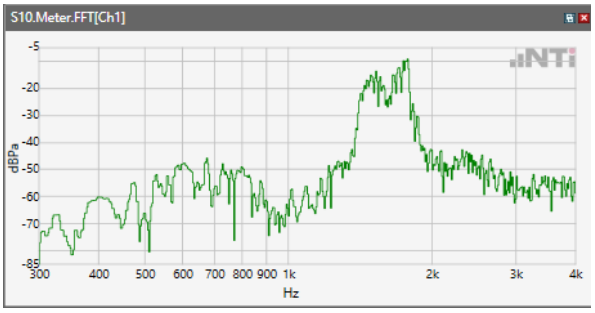
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



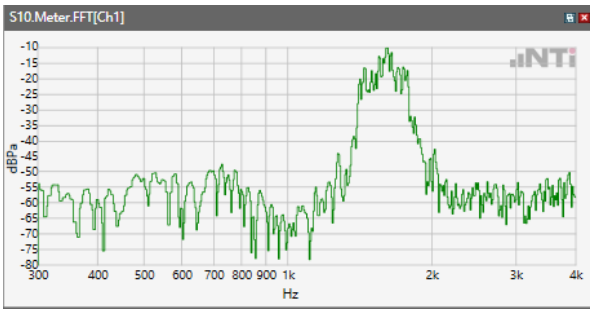
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



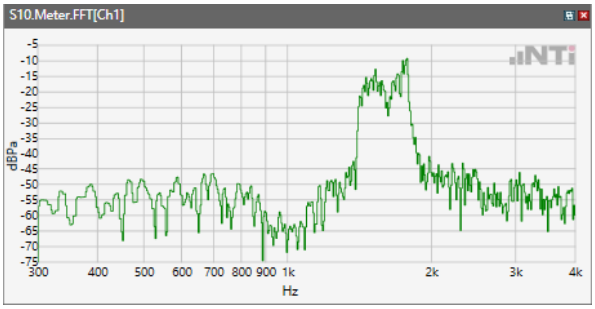
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



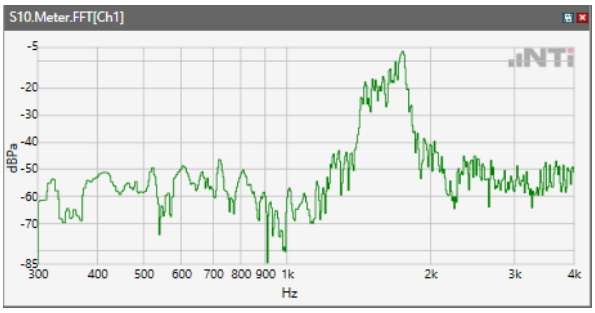
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



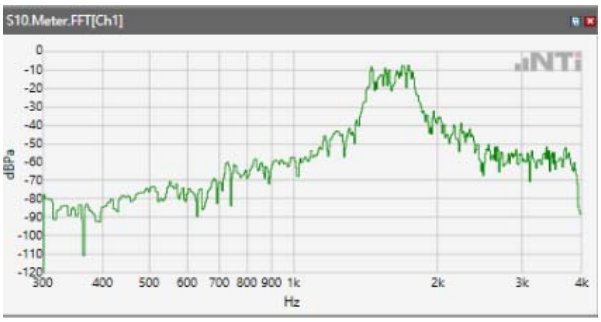
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



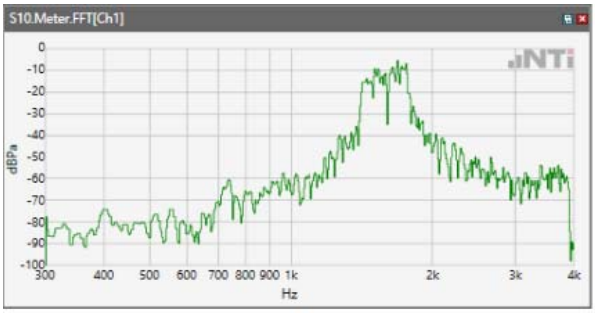
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



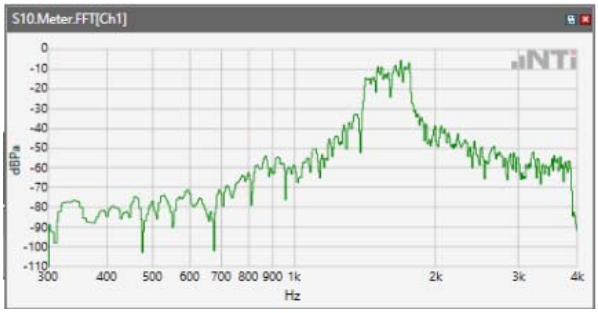
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



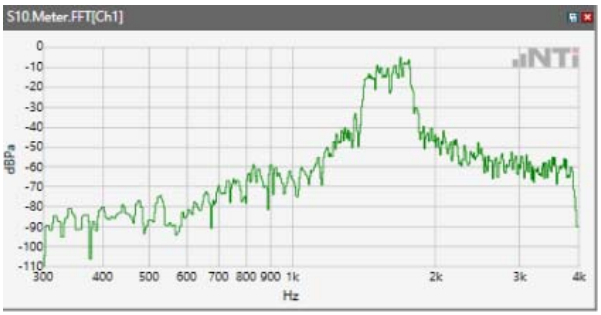
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



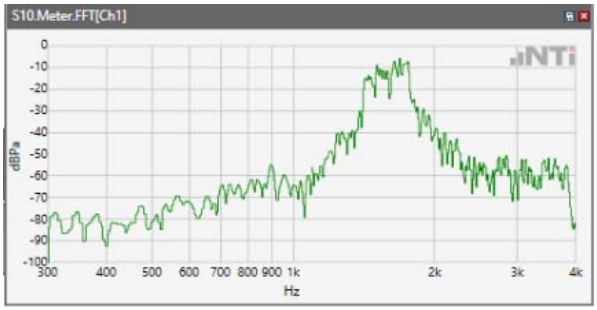
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

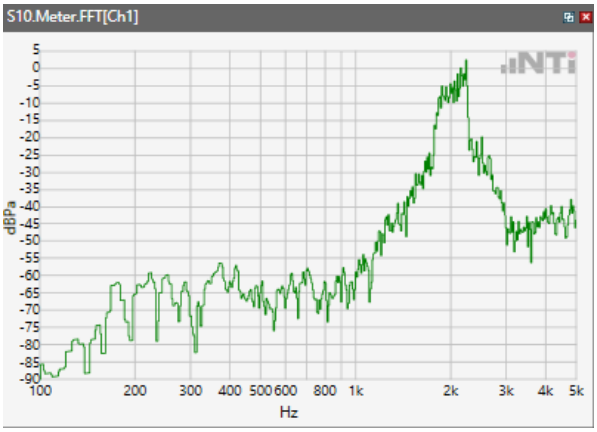


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8 GHz

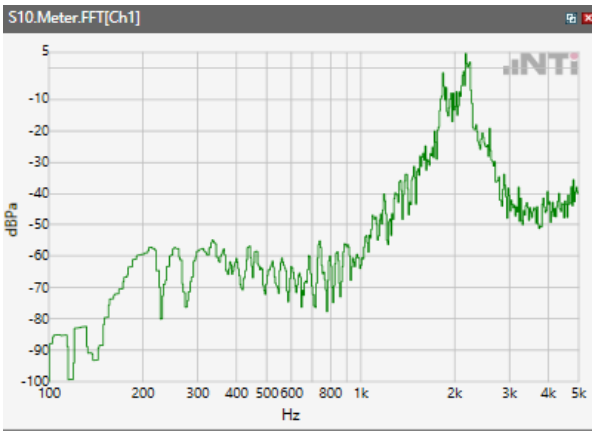


Receive path - distortion and noise 2000Hz WB&NB

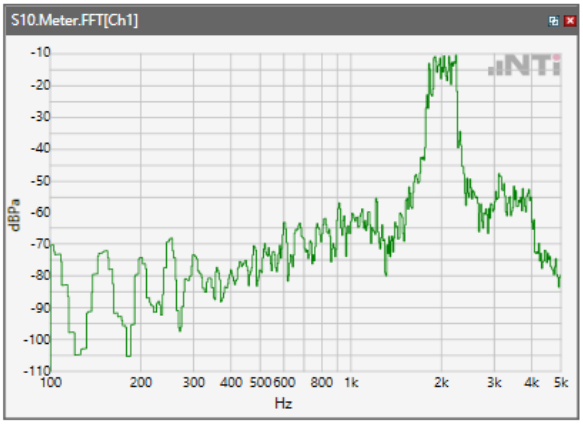
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



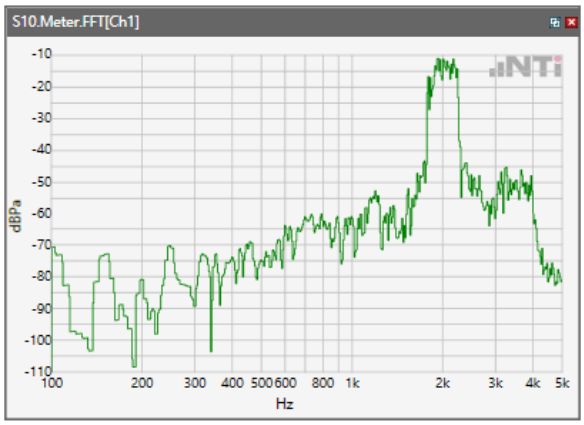
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



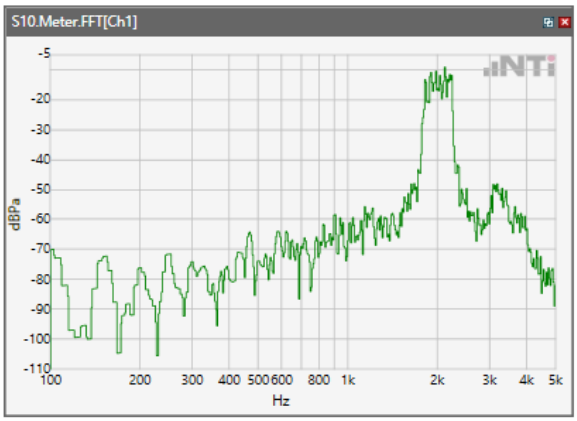
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



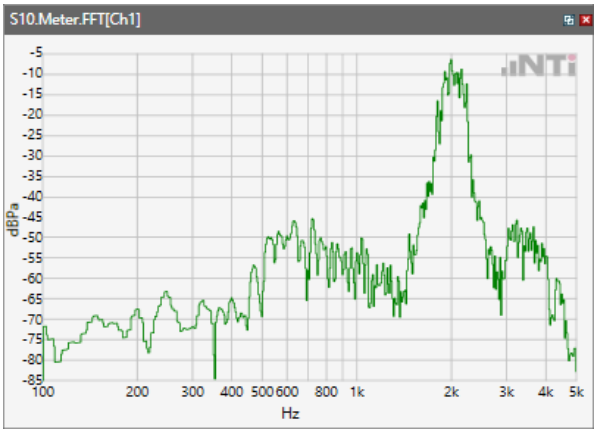
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



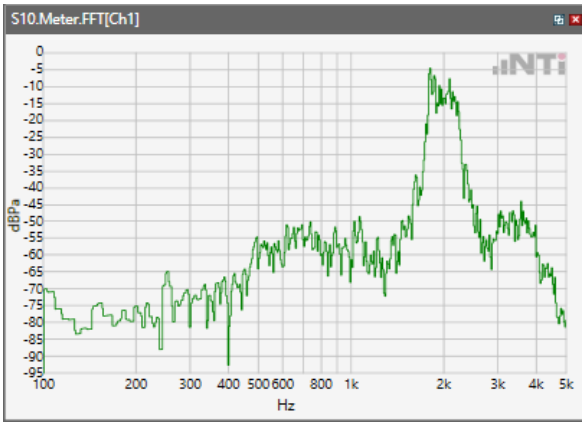
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



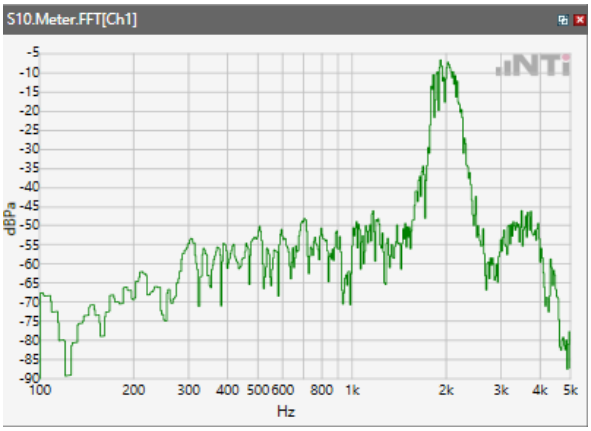
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



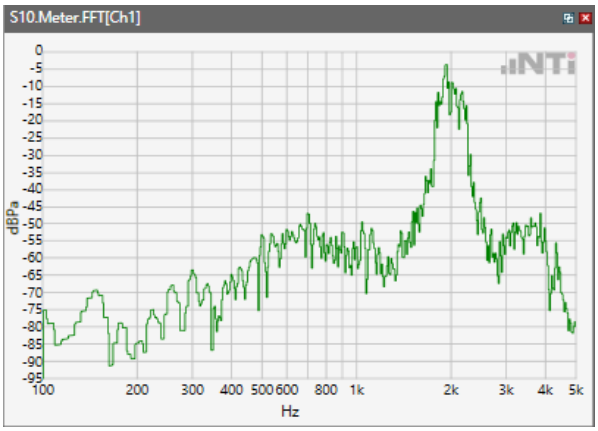
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



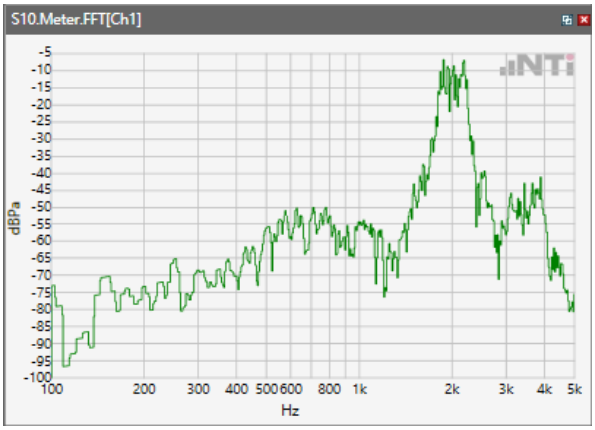
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



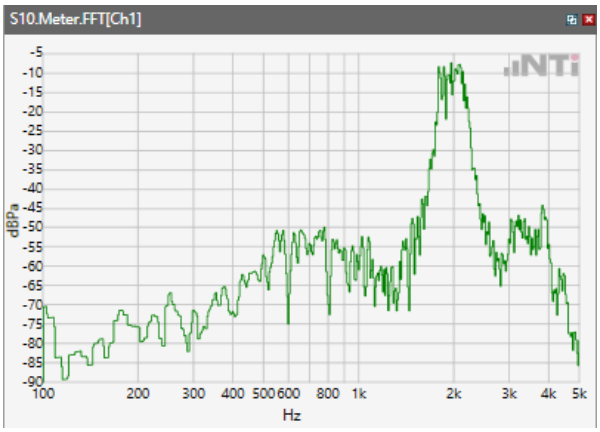
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



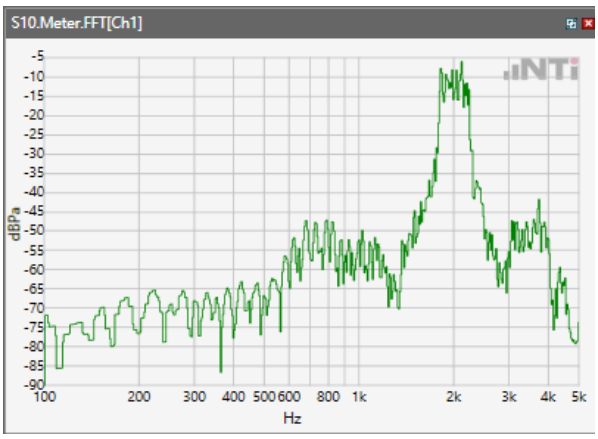
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



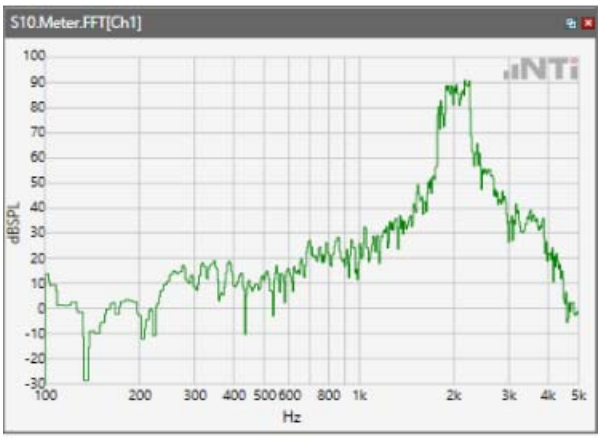
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



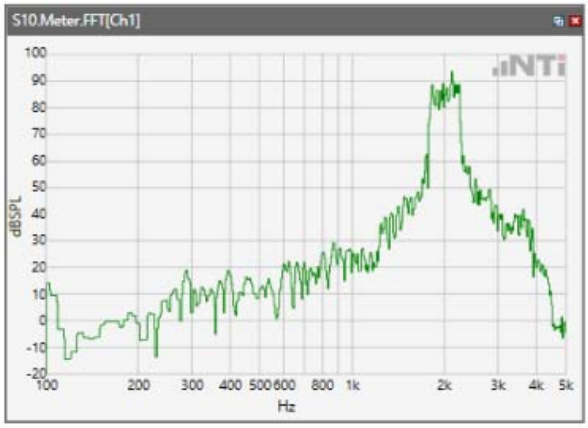
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



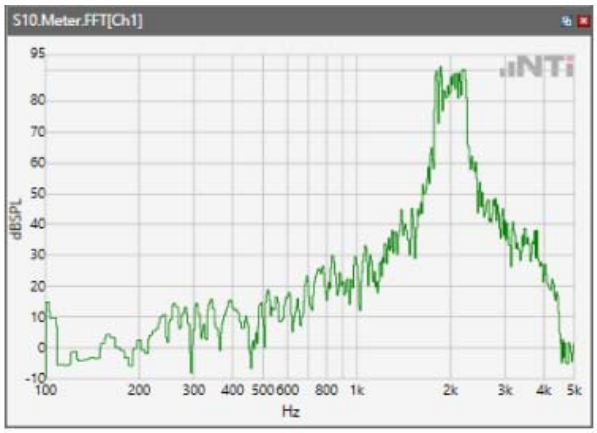
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



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

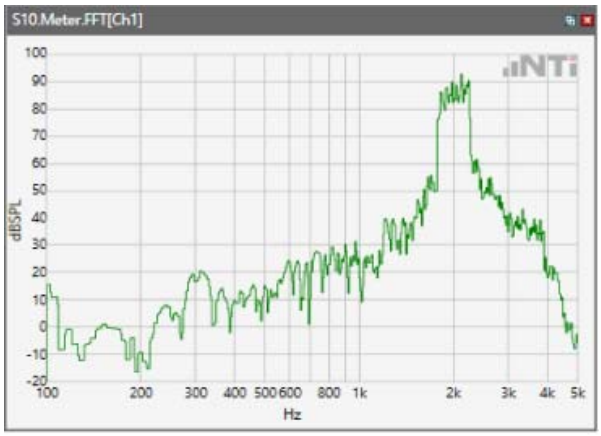


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



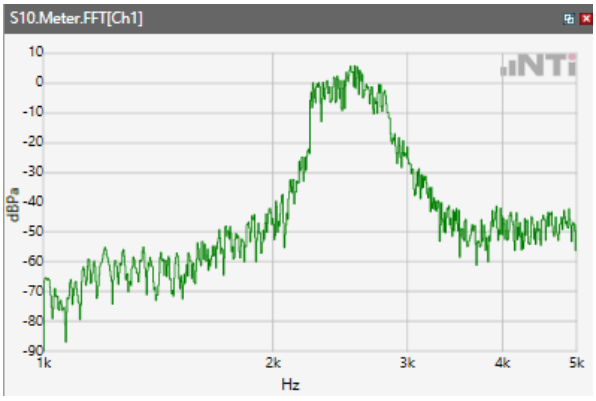
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

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

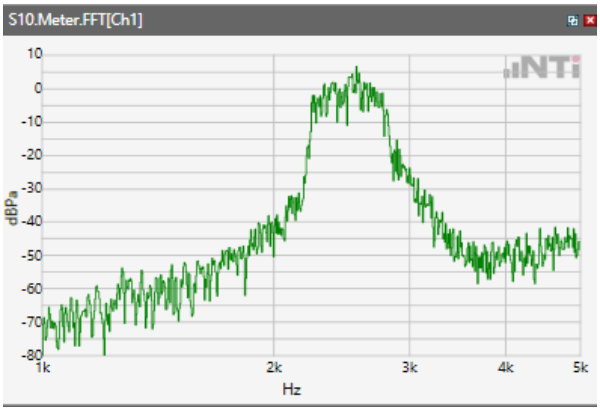


Receive path - distortion and noise 2500Hz WB&NB

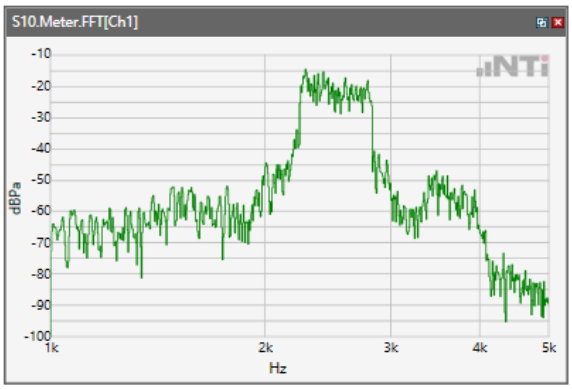
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



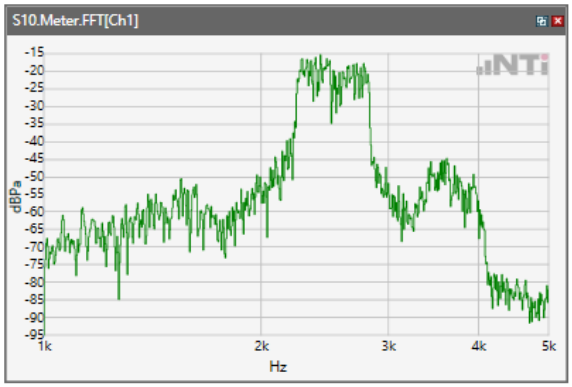
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



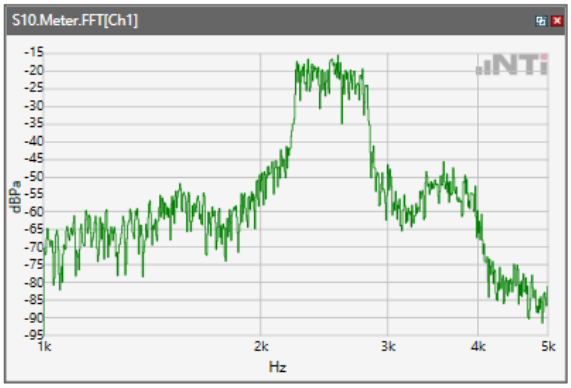
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



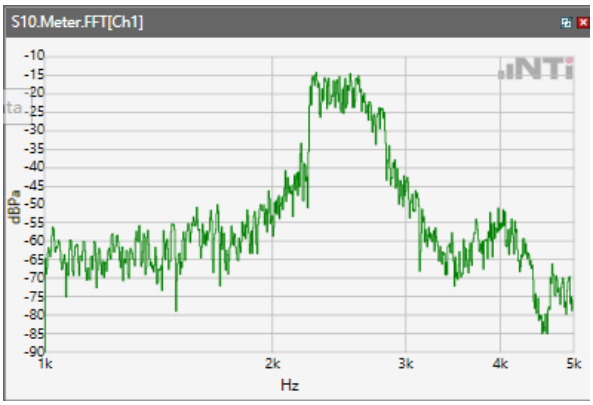
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



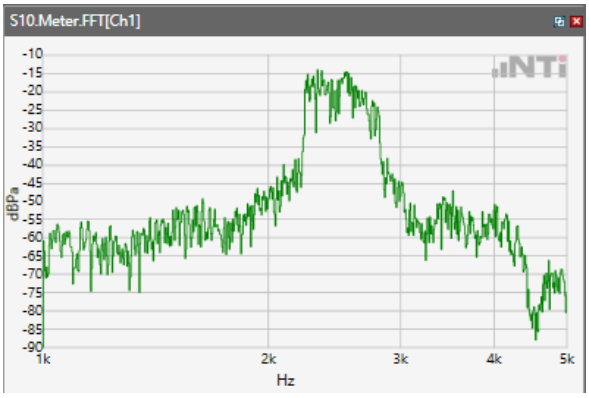
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



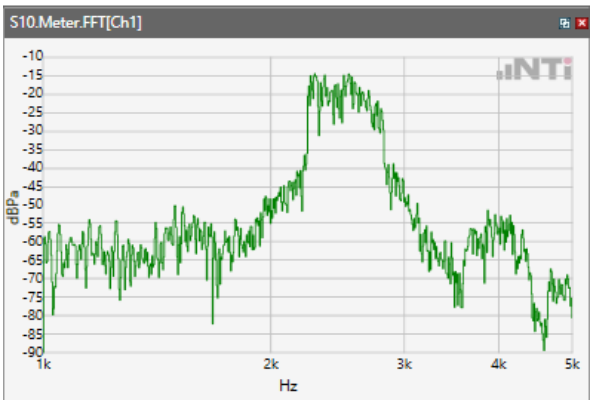
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



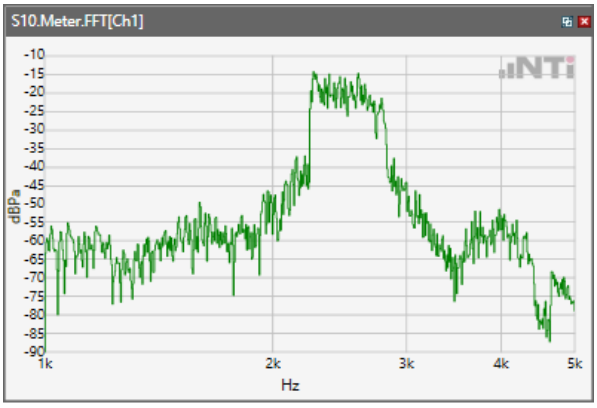
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



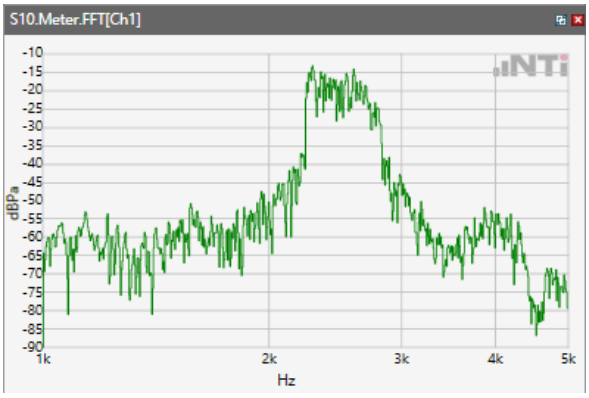
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



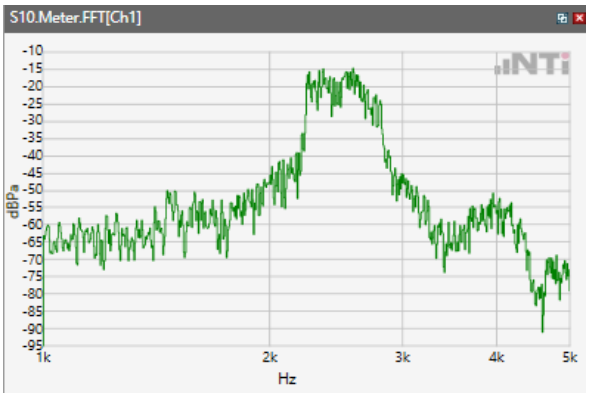
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



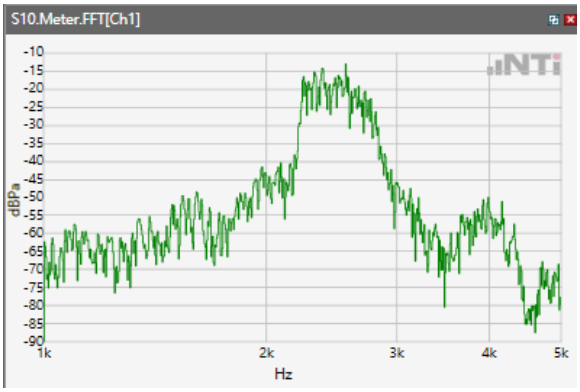
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



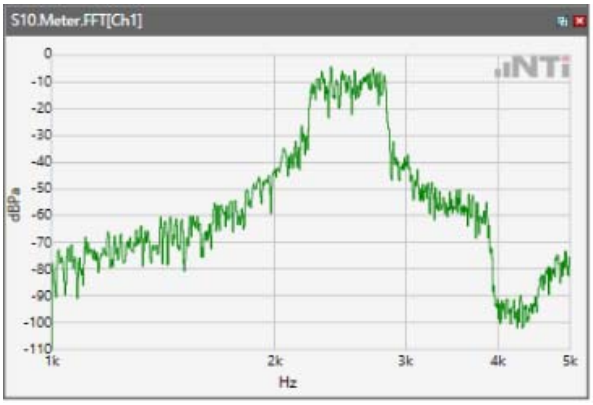
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



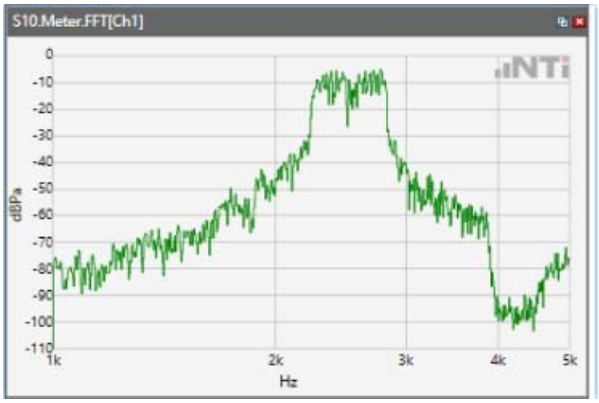
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



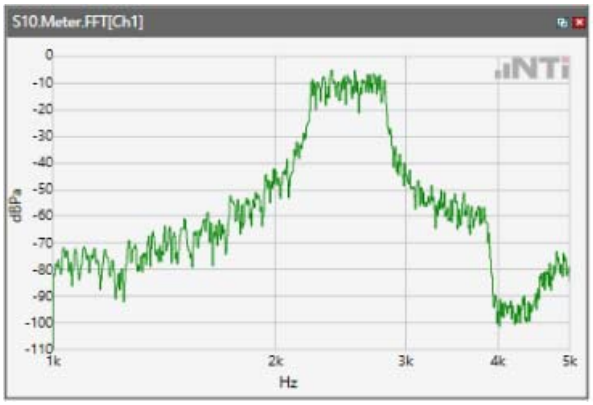
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



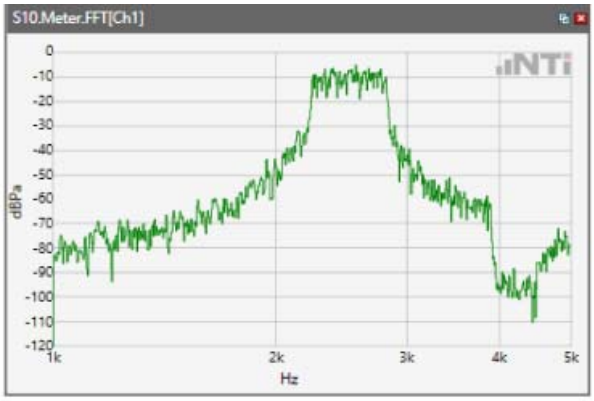
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



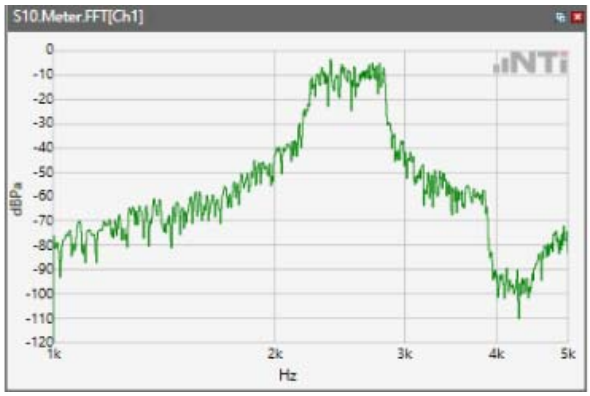
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz

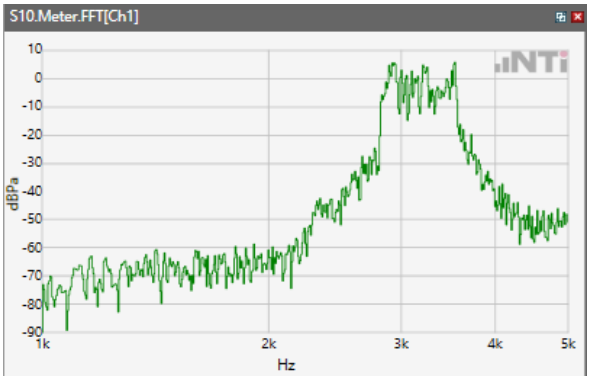


ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8 GHz

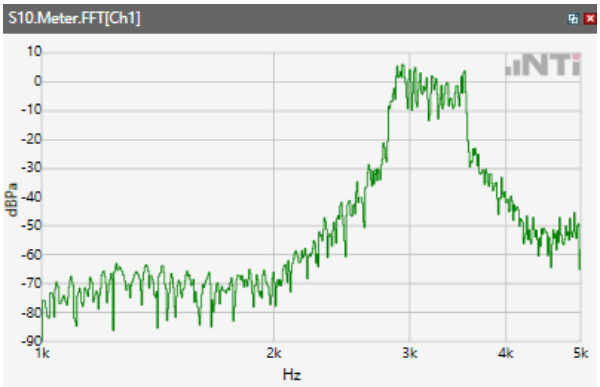


Receive path - distortion and noise 3150Hz WB&NB

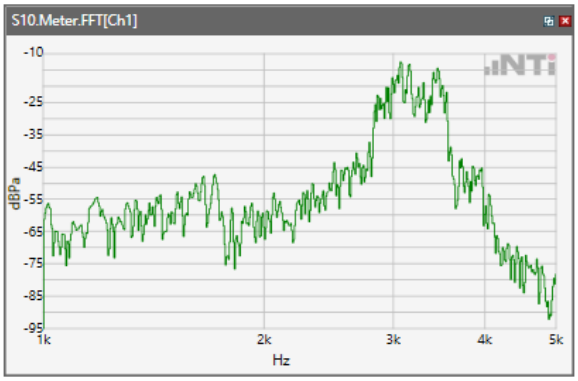
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



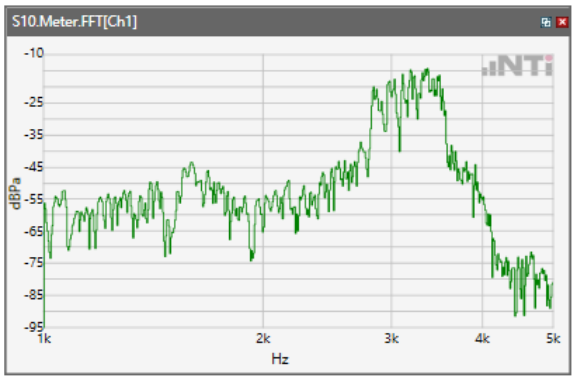
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



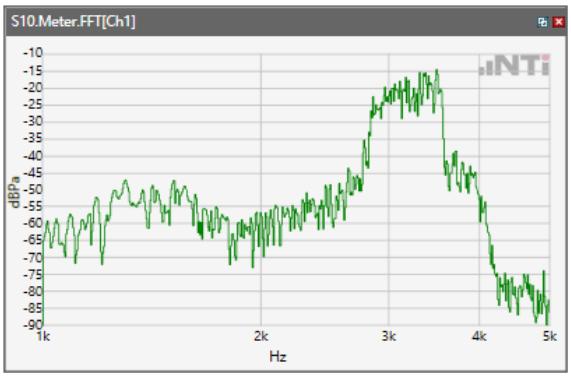
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



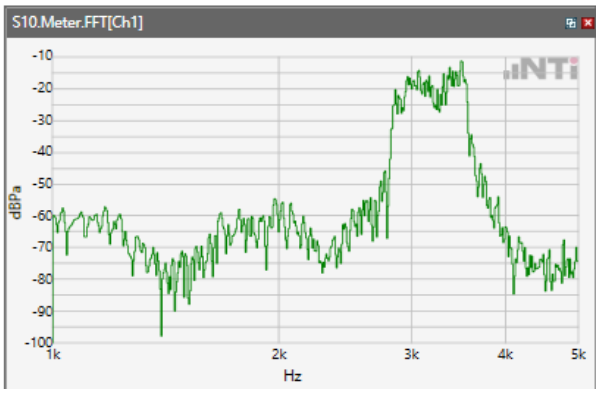
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



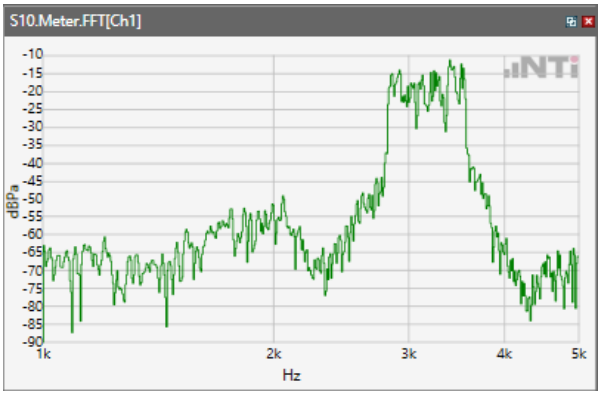
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



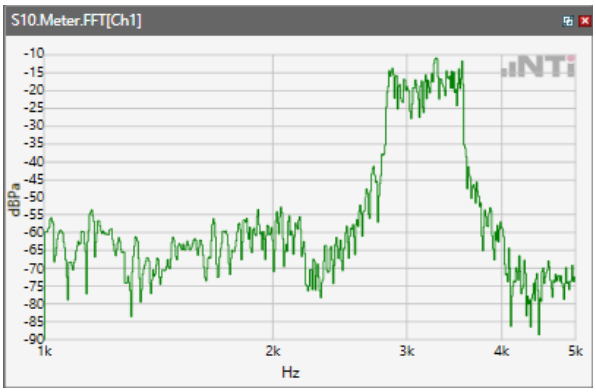
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



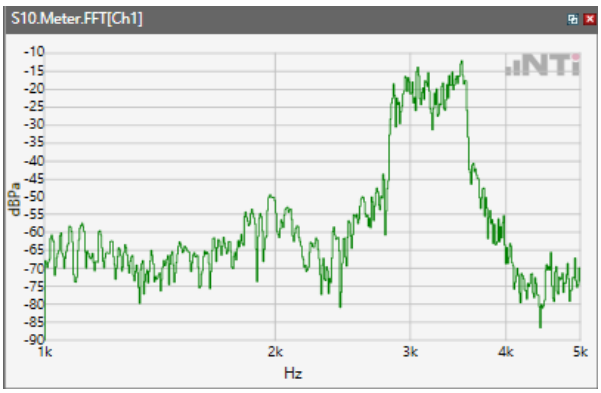
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



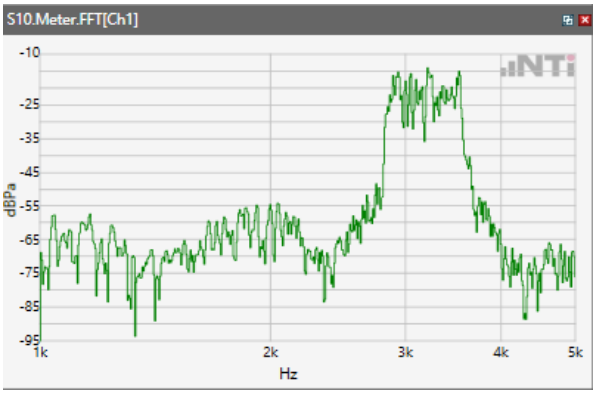
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



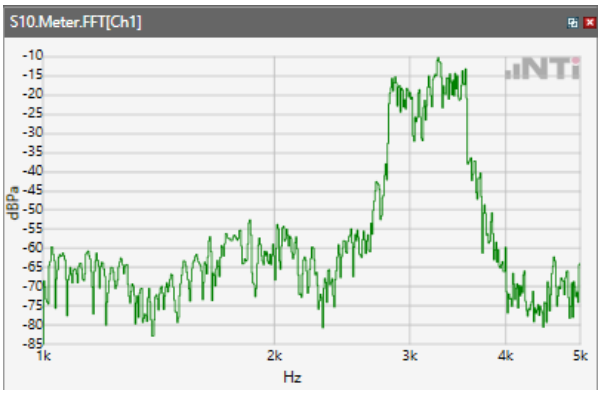
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band26



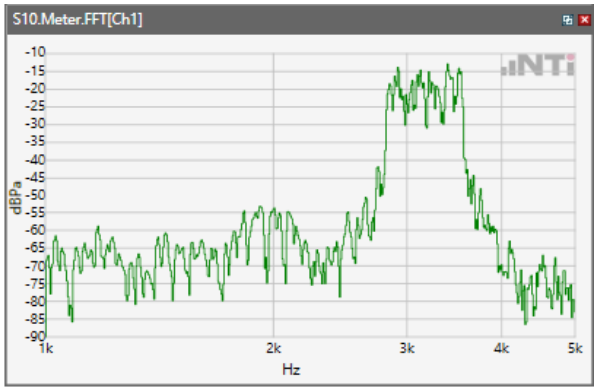
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



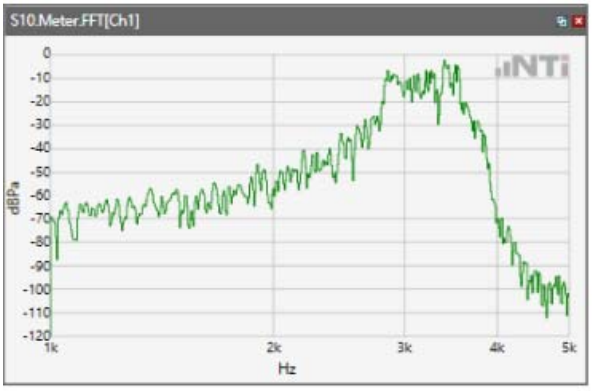
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



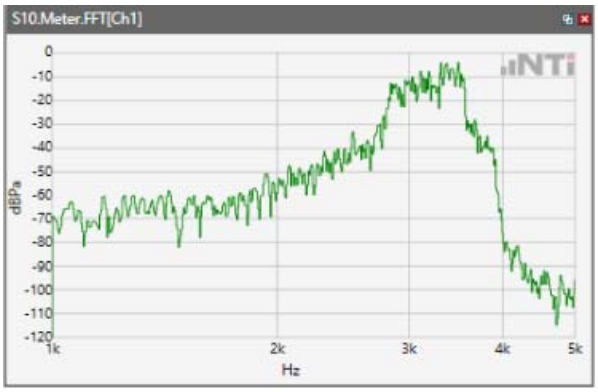
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



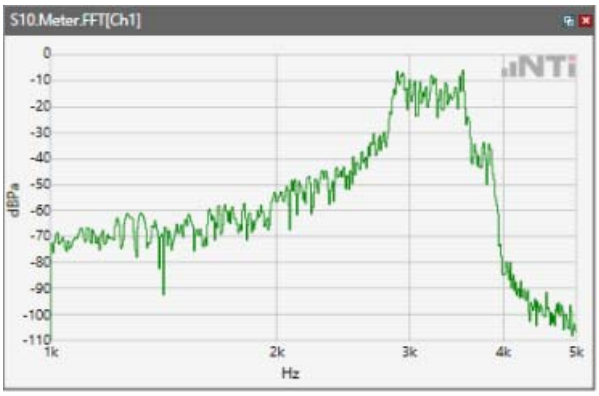
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



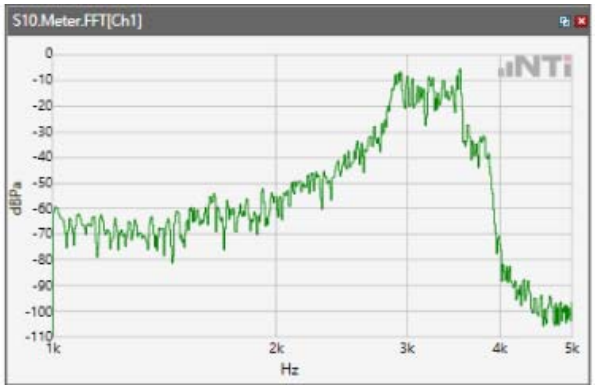
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2 GHz



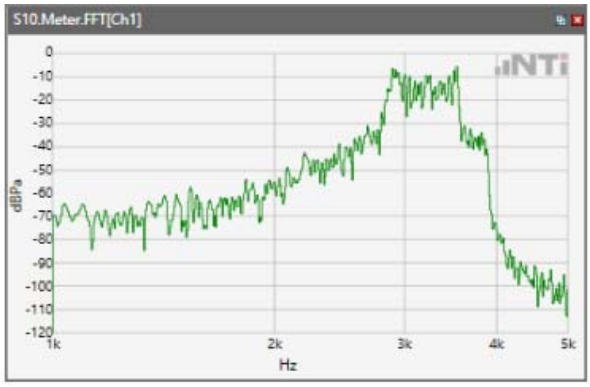
ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3 GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5 GHz



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

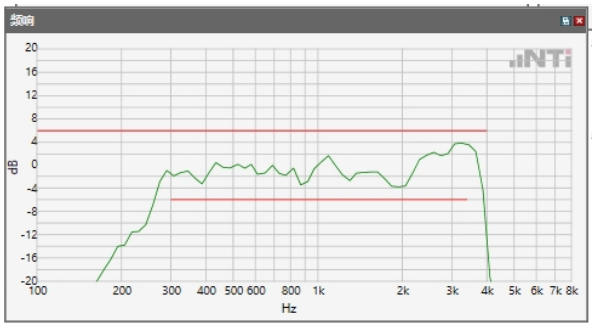


5.2 Receive path – distortion and noise

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

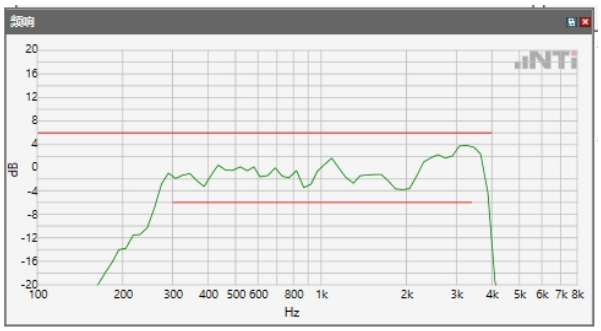
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

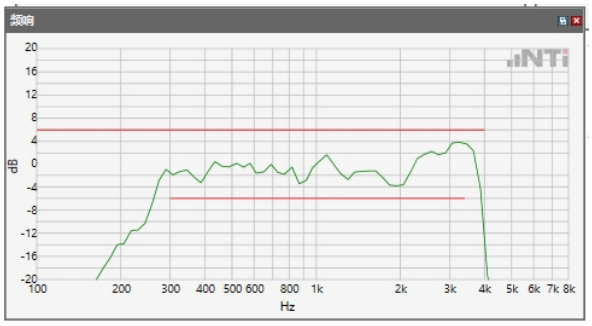
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

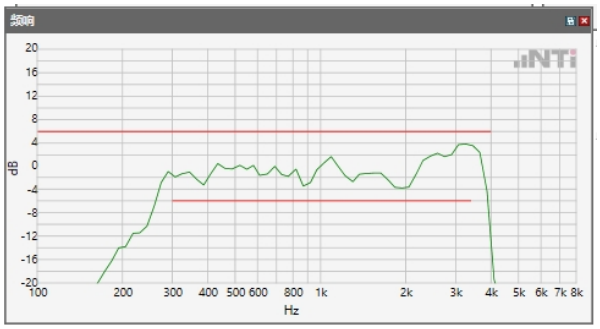
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

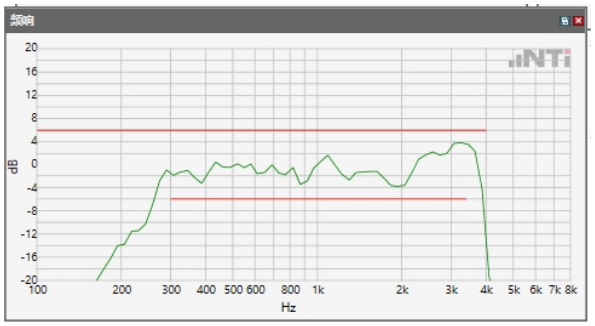
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

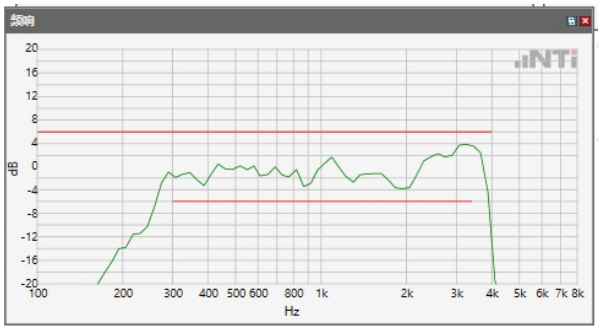
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

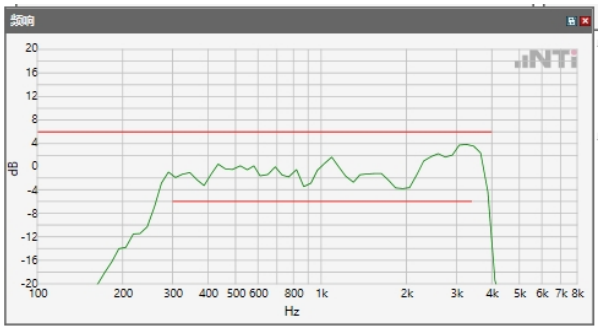
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

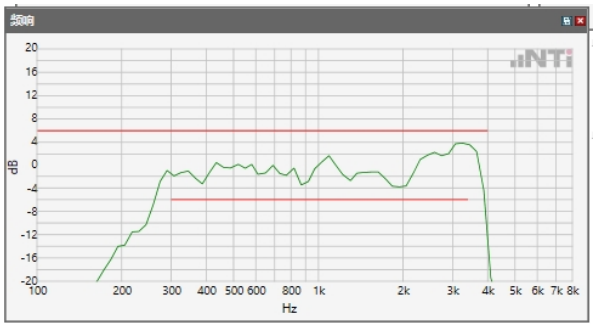
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 25



Absolute minimal distance

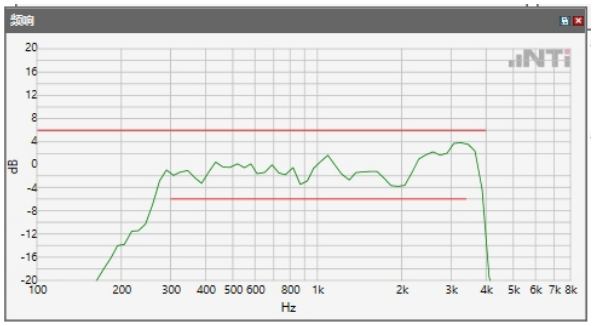
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 26



Absolute minimal distance

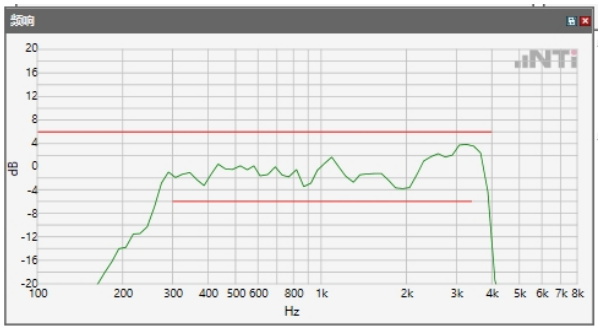
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 41



Absolute minimal distance

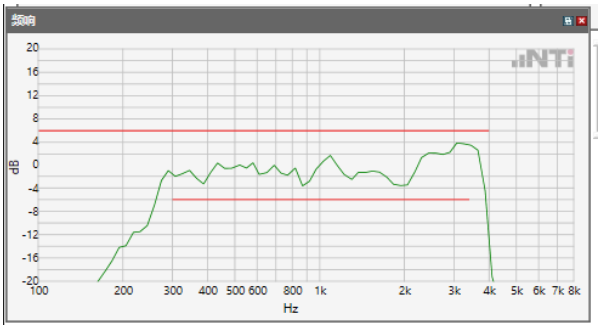
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

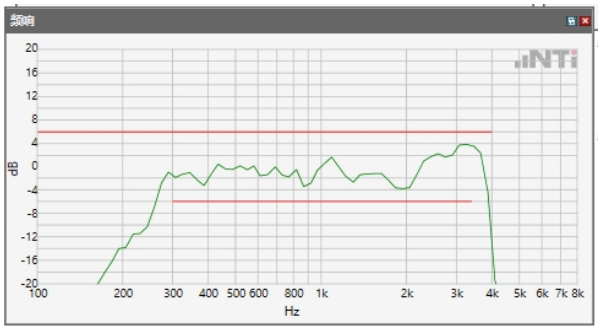
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\ LTE Band 71



Absolute minimal distance

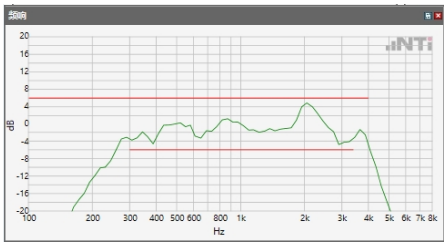
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

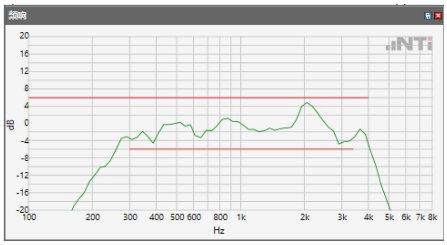
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

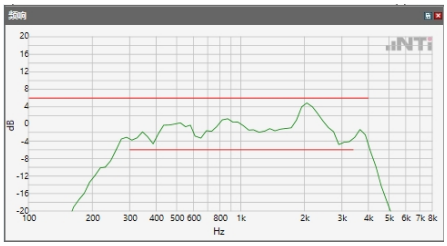
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.3GHz



Absolute minimal distance

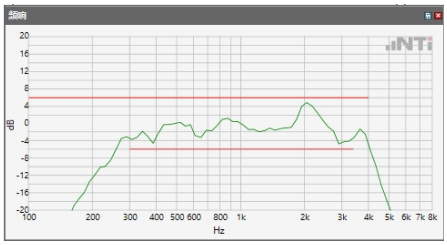
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 8N HAC OFF \ NB 12.2kbps\WLAN 5.5GHz



Absolute minimal distance

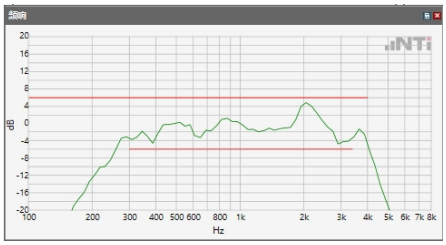
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

OK

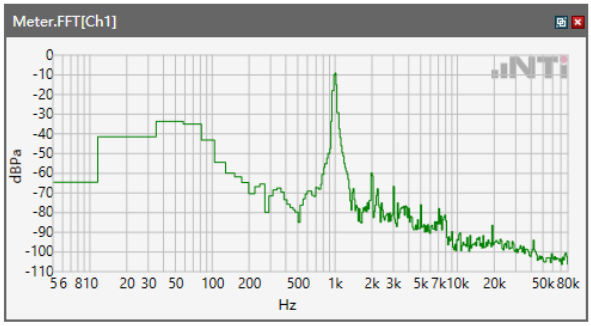
OK

Limits

	lower
Run 1	Fit into tolerance

5.1 Receive Volume Control Performance 8N---WB

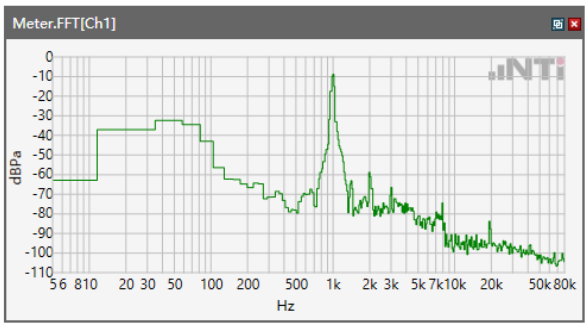
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \WCDMA Band II



Speech Level RCV: 86.03 dB[SPL]

Calculated Value: 16.03 dB Ok

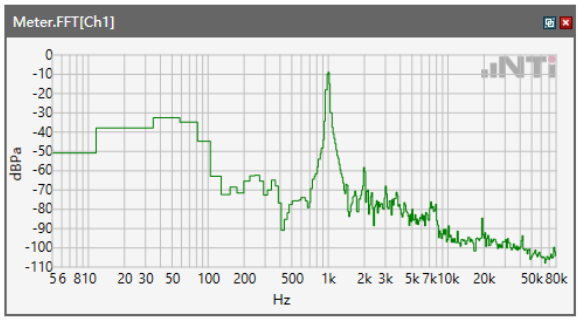
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \WCDMA Band IV



Speech Level RCV: 85.69 dB[SPL]

Calculated Value: 15.69 dB Ok

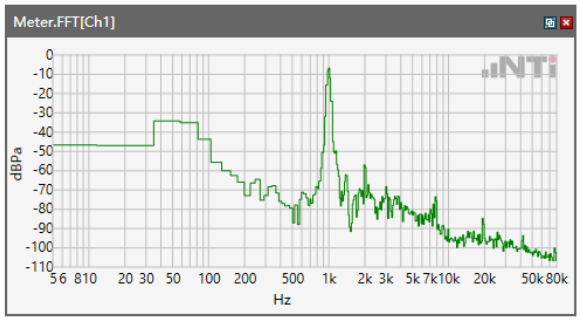
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \WCDMA Band V



Speech Level RCV: 86.04 dB[SPL]

Calculated Value: 16.04 dB Ok

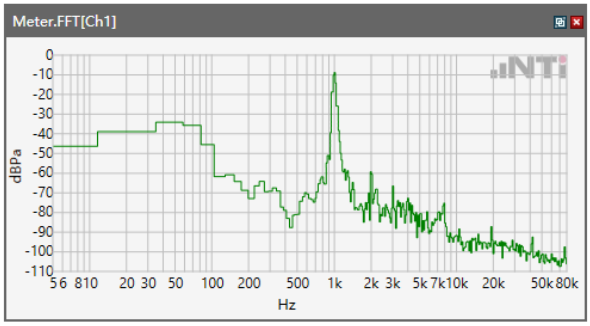
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \LTE Band 12



Speech Level RCV: 83.07 dB[SPL]

Calculated Value: 13.07 dB Ok

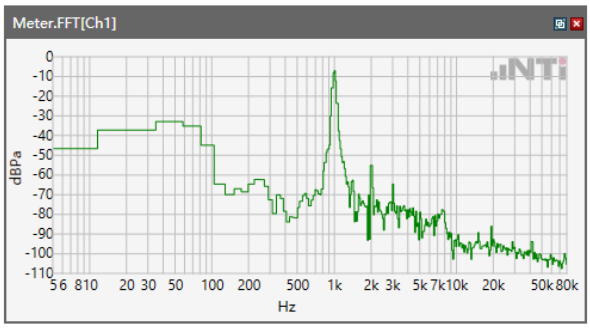
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 13



Speech Level RCV: 82.86 dB[SPL]

Calculated Value: 12.86 dB Ok

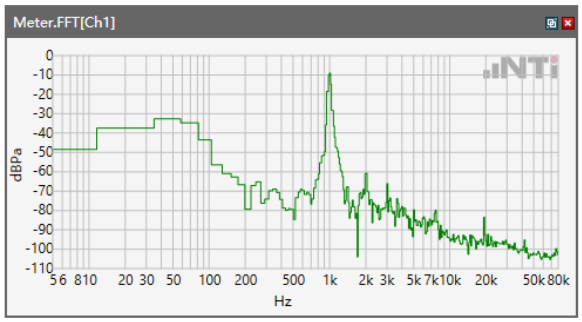
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 25



Speech Level RCV: 87.81 dB[SPL]

Calculated Value: 17.81 dB Ok

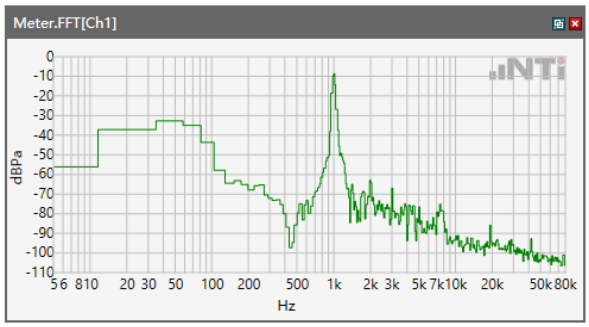
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 26



Speech Level RCV: 84.81 dB[SPL]

Calculated Value: 14.81 dB Ok

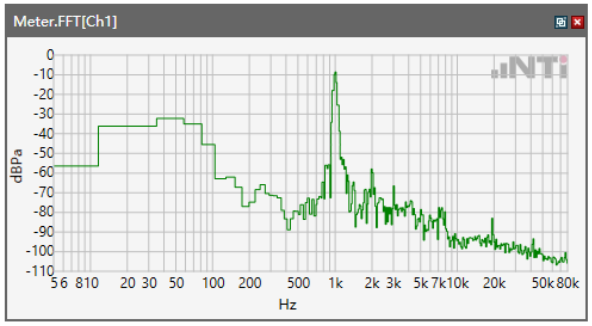
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 41



Speech Level RCV: 87.92 dB[SPL]

Calculated Value: 17.92 dB Ok

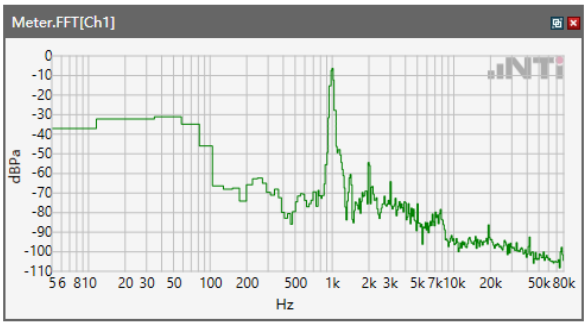
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 66



Speech Level RCV: 87.56 dB[SPL]

Calculated Value: 17.56 dB Ok

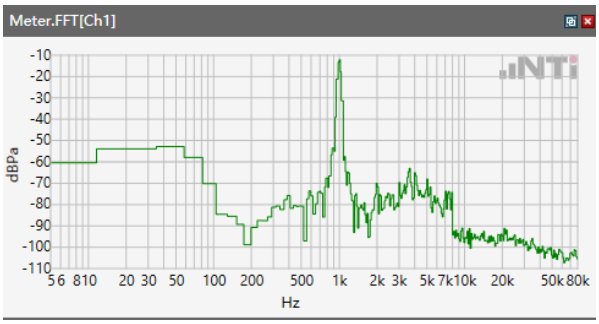
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \ LTE Band 71



Speech Level RCV: 82.75 dB[SPL]

Calculated Value: 12.75 dB Ok

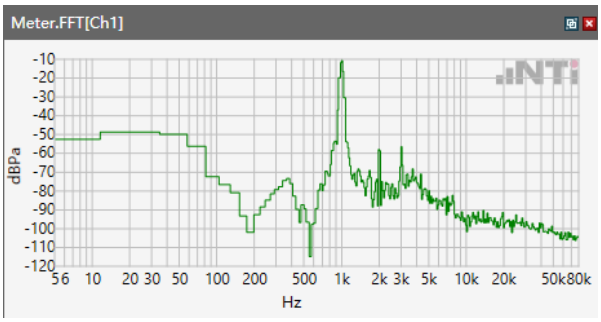
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \WLAN 2.4GHz



Speech Level RCV: 85.13 dB[SPL]

Calculated Value: 15.13 dB Ok

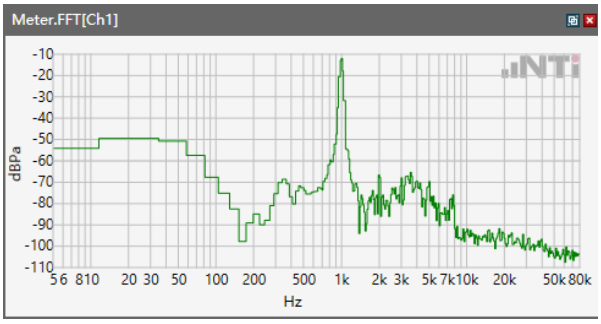
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \WLAN 5.2GHz



Speech Level RCV: 82.13 dB[SPL]

Calculated Value: 12.13 dB Ok

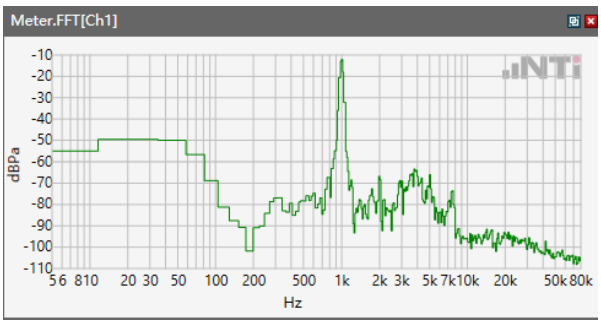
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \WLAN 5.3GHz



Speech Level RCV: 85.24dB[SPL]

Calculated Value: 15.24dB Ok

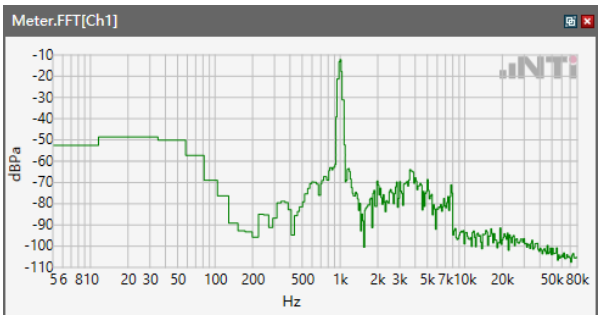
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85kbps \WLAN 5.5GHz



Speech Level RCV: 84.88 dB[SPL]

Calculated Value: 14.88 dB Ok

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

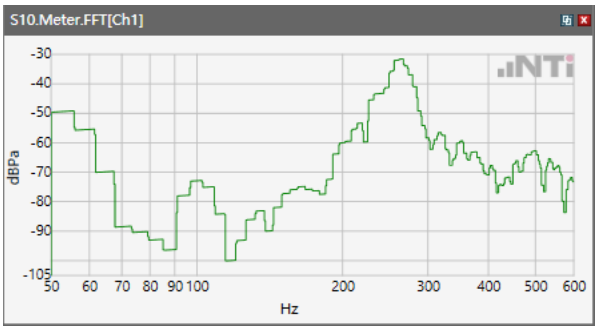


Speech Level RCV: 80.07 dB[SPL]

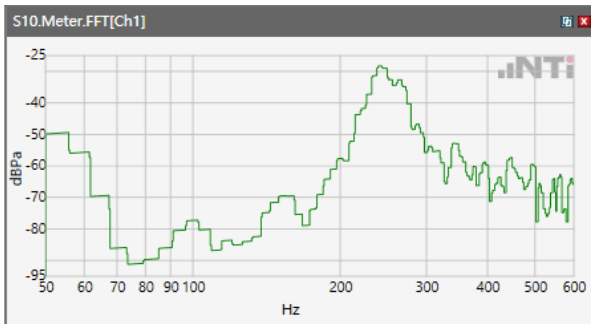
Calculated Value: 10.07 dB Ok

Receive path - distortion and noise 250 WB only

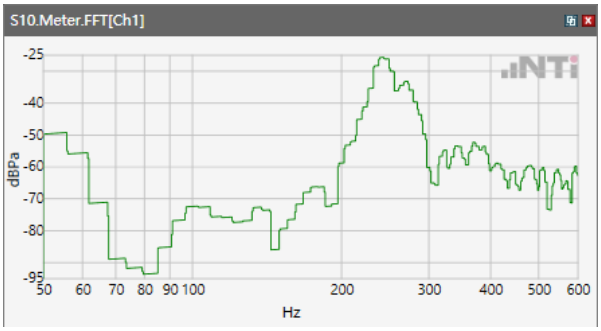
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



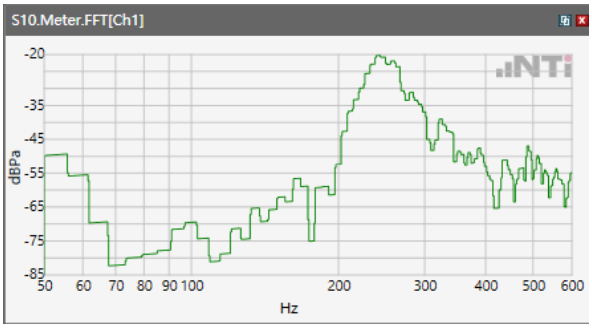
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



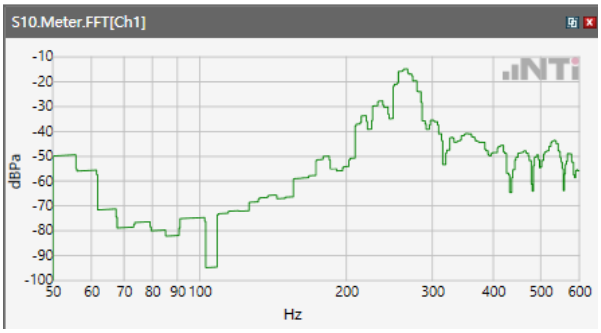
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



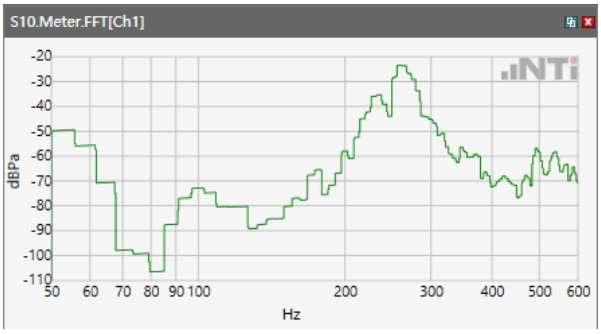
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



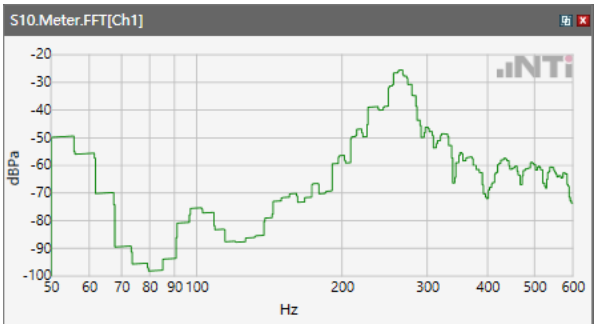
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



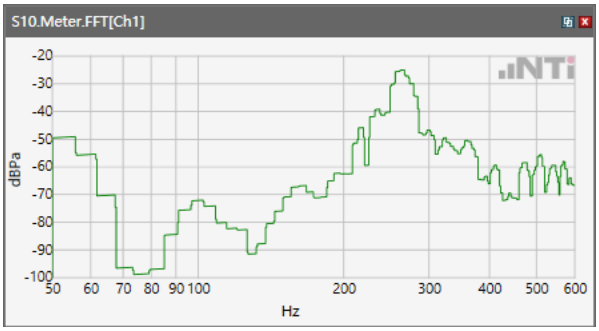
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



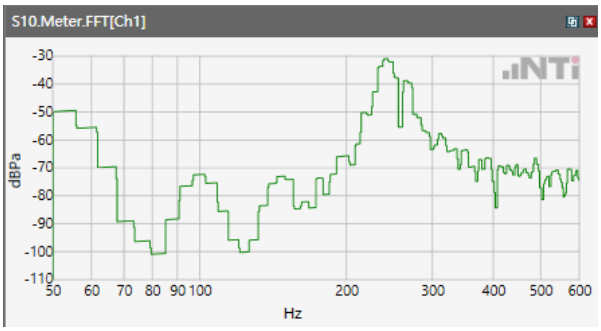
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



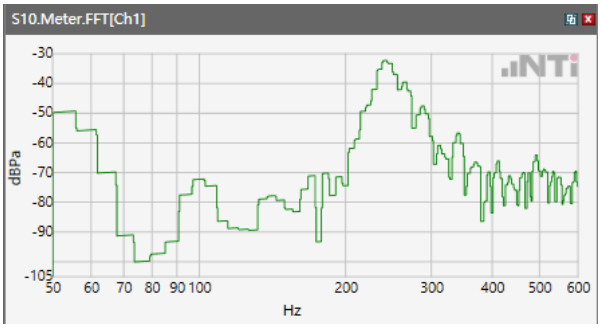
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



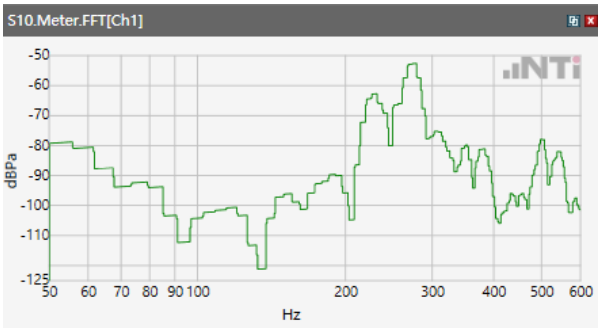
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



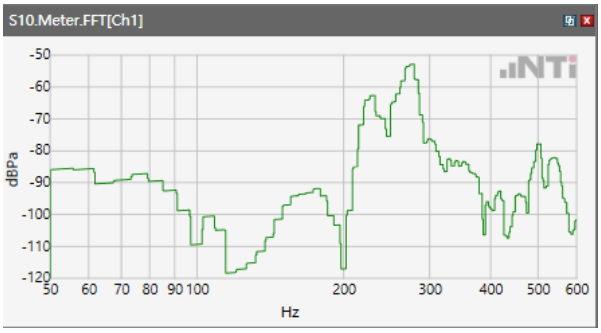
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



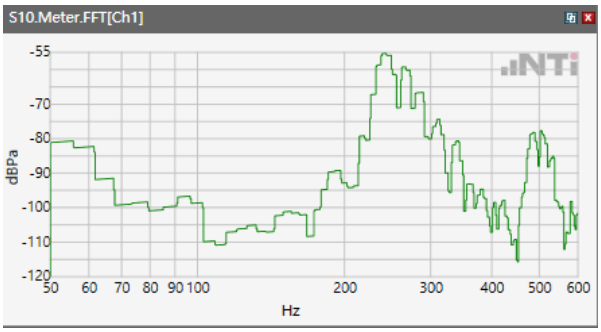
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



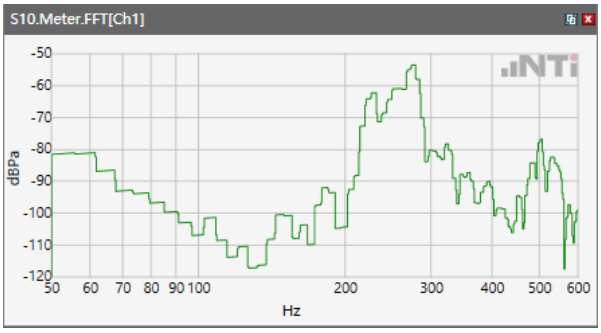
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



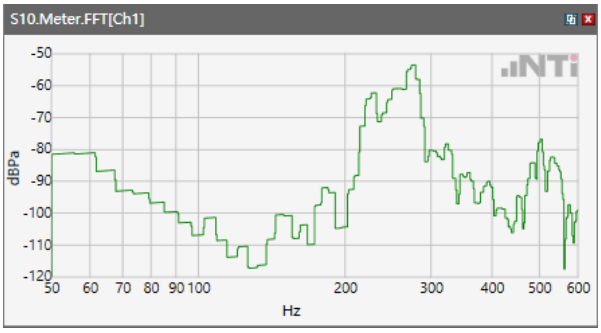
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

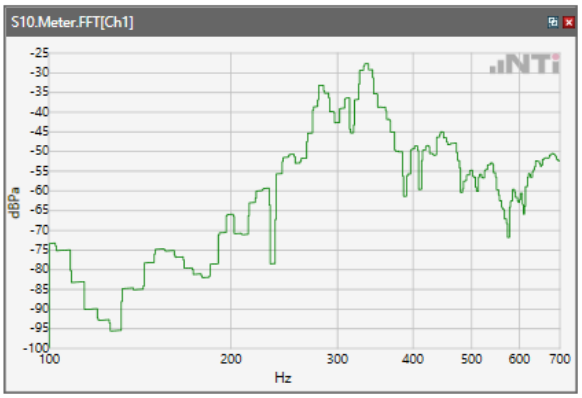


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

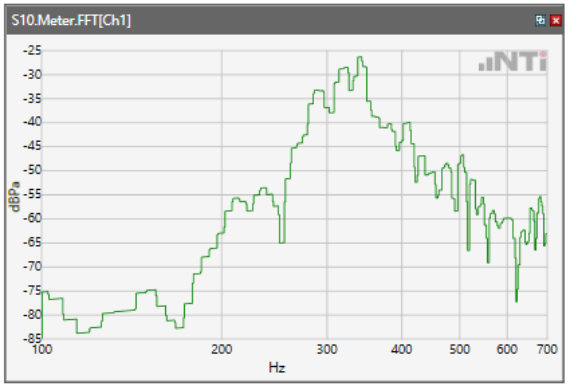


Receive path - distortion and noise 315Hz WB only

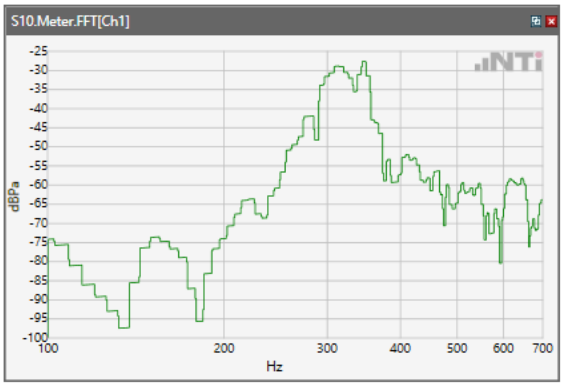
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



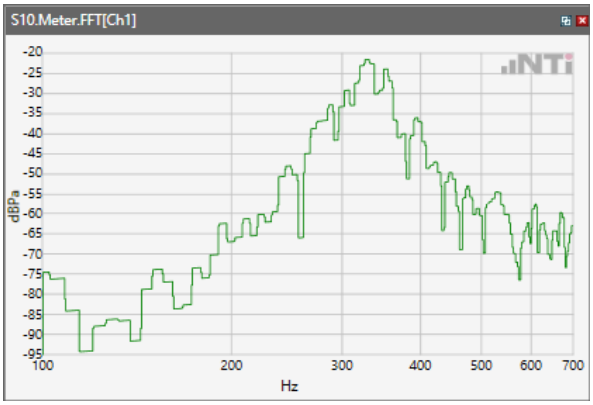
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



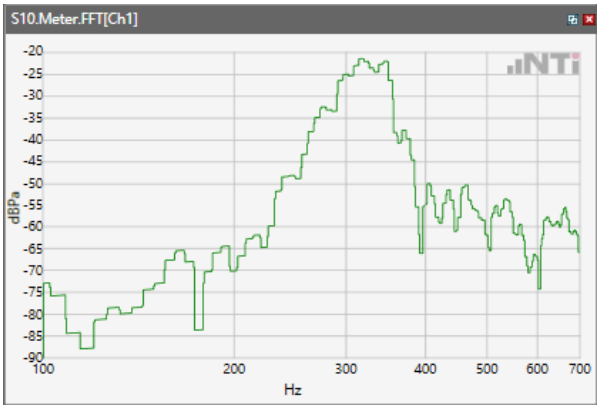
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



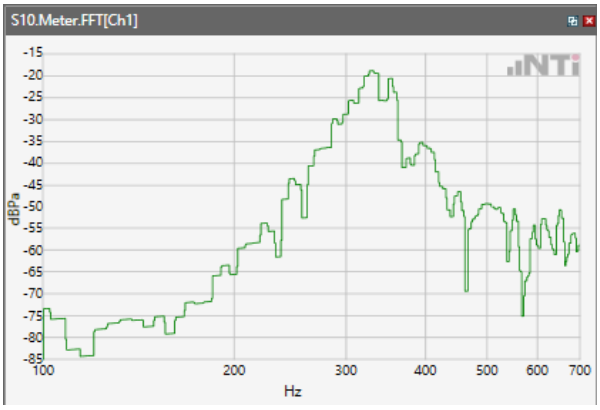
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



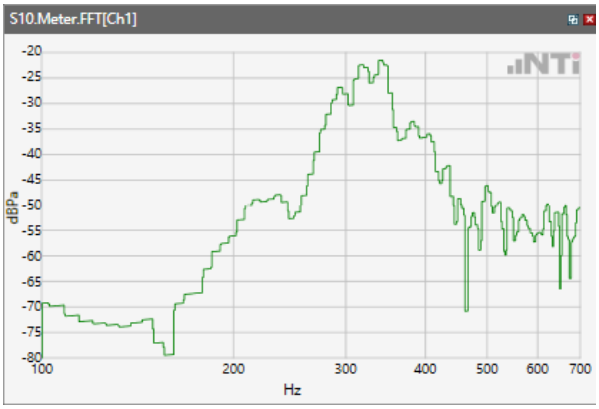
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



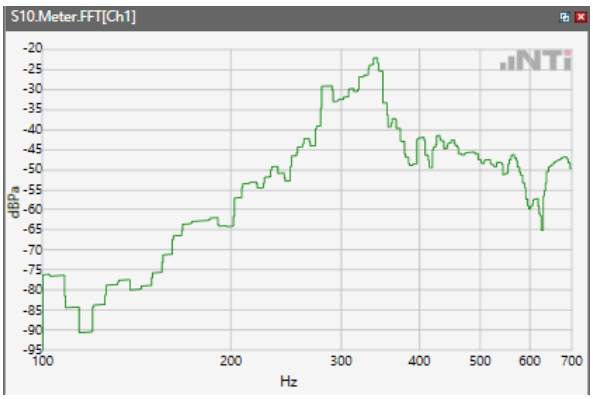
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



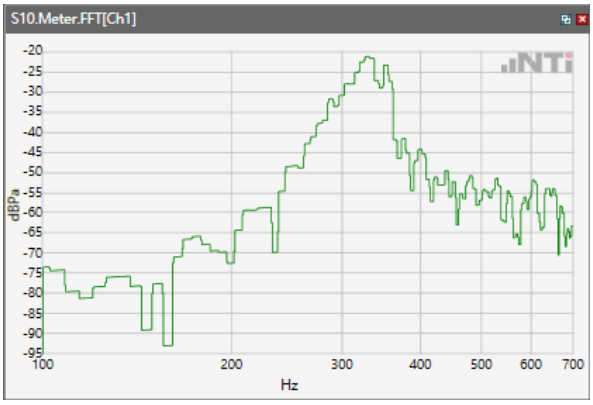
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



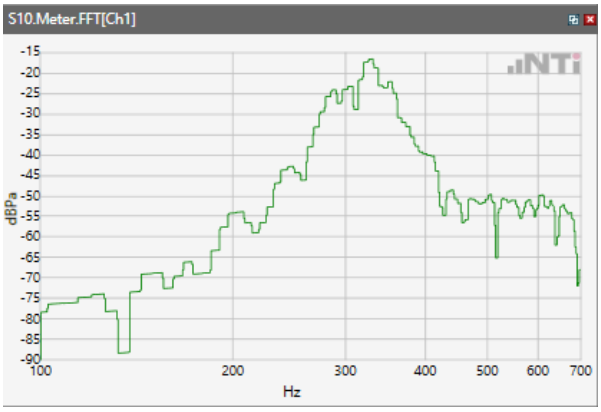
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



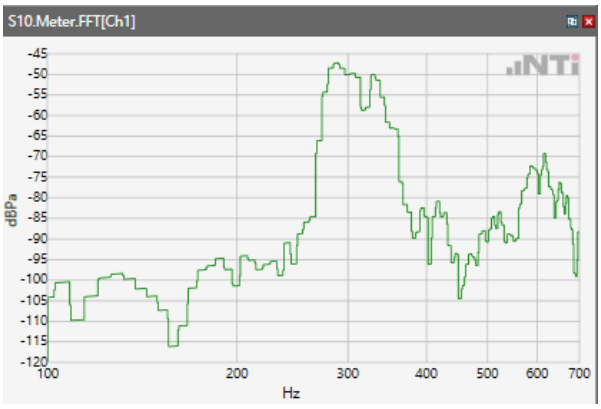
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



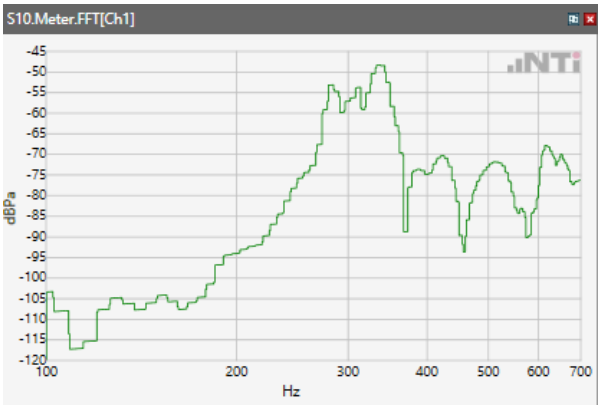
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



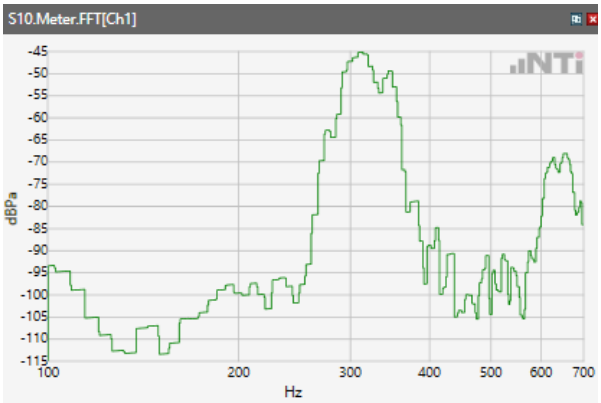
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



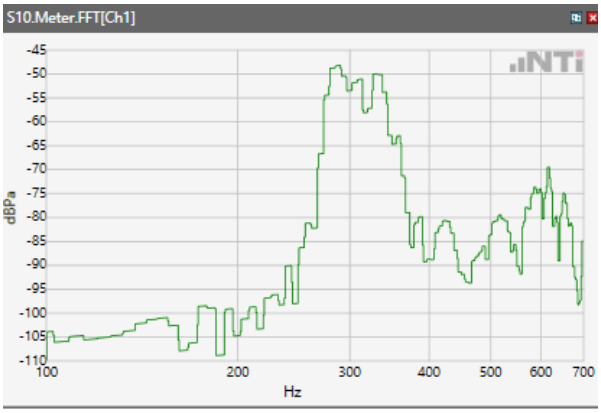
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



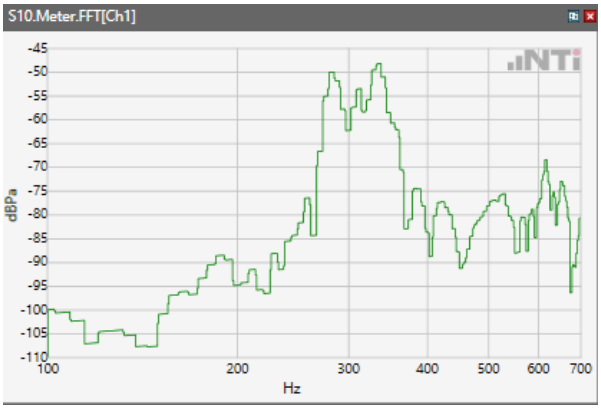
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

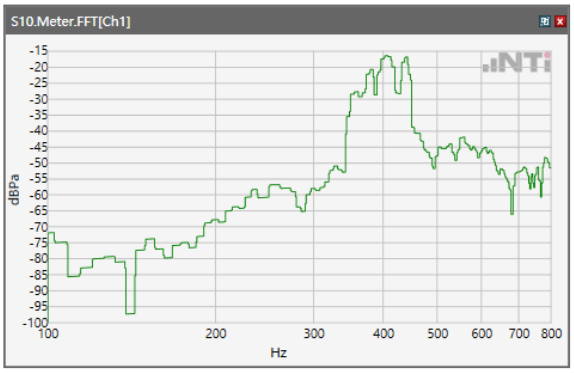


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

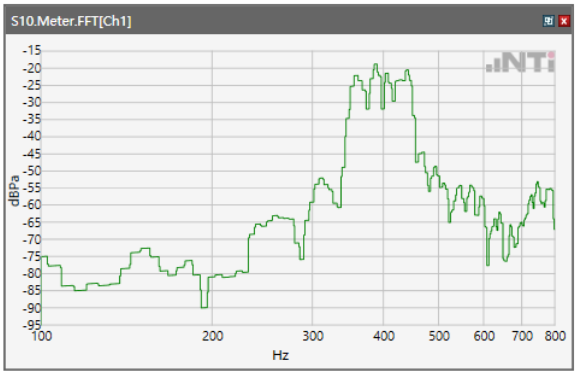


Receive path - distortion and noise 400Hz WB&NB

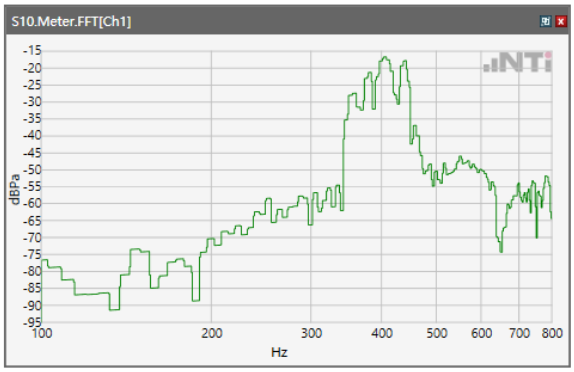
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



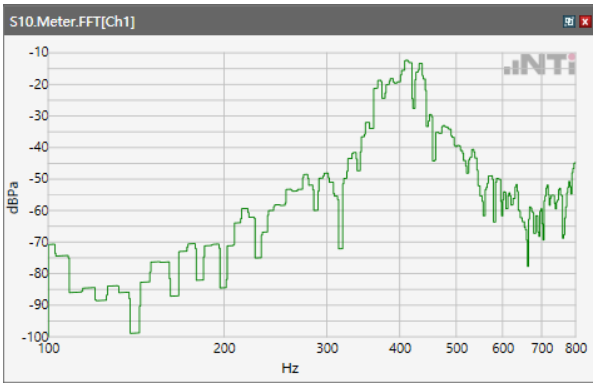
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



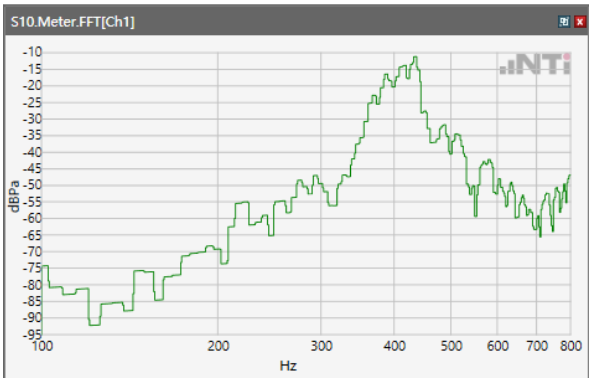
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



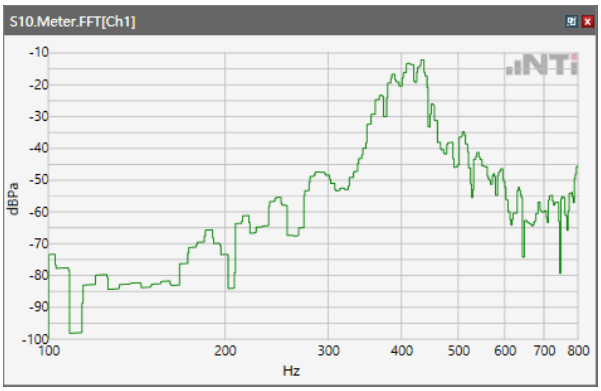
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



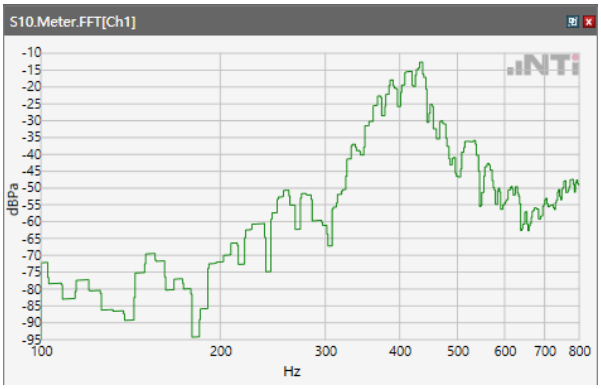
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



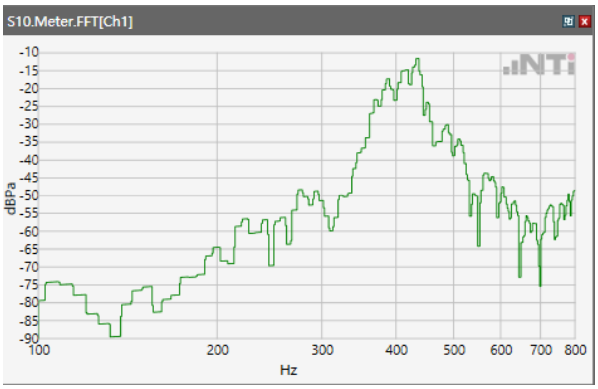
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



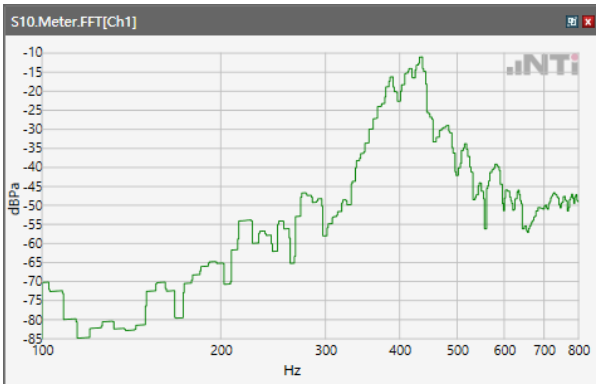
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



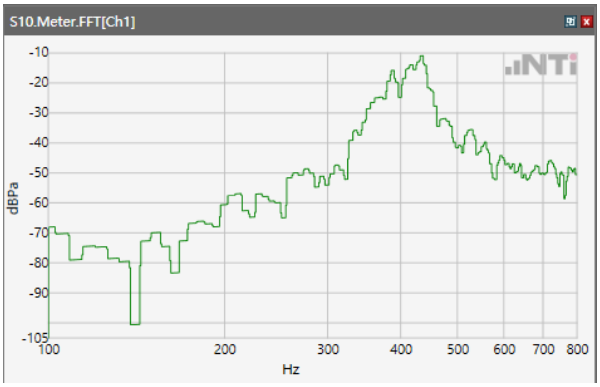
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



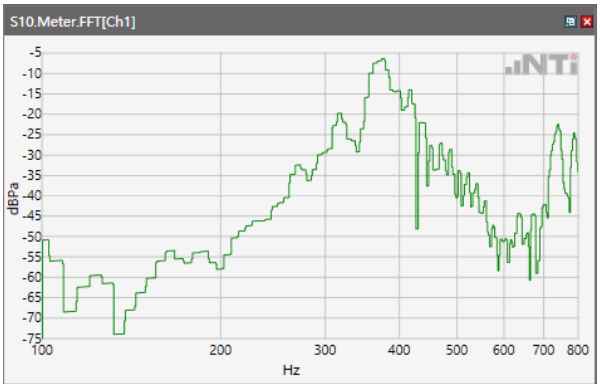
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



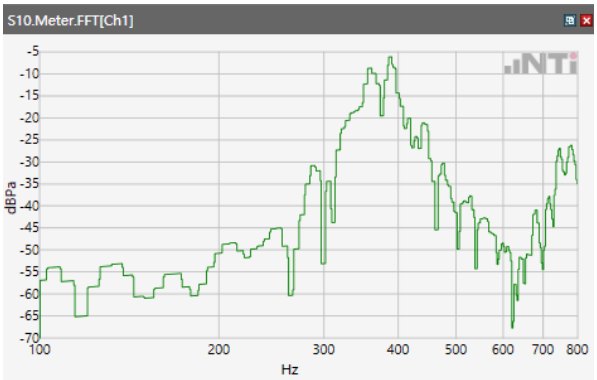
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



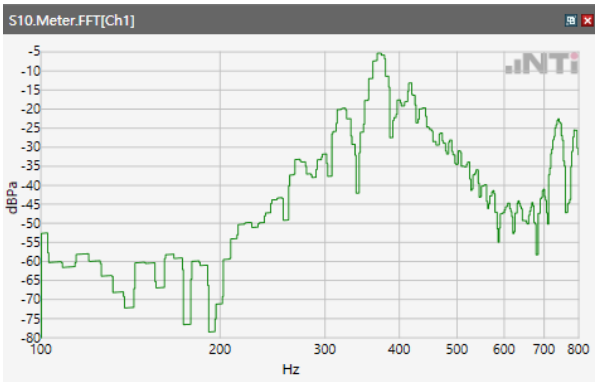
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



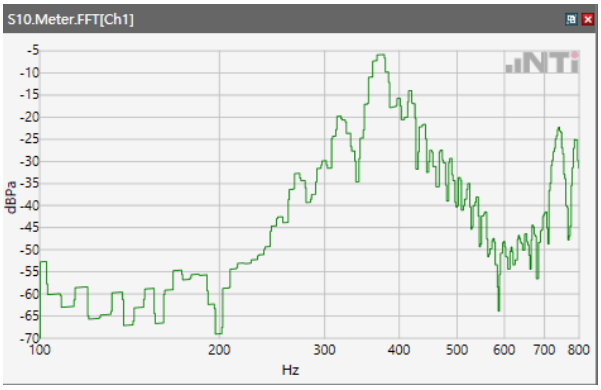
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



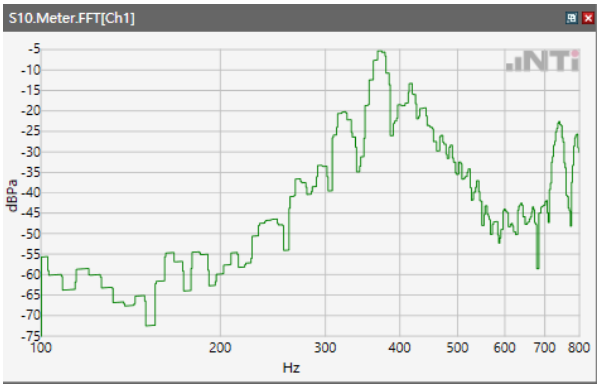
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

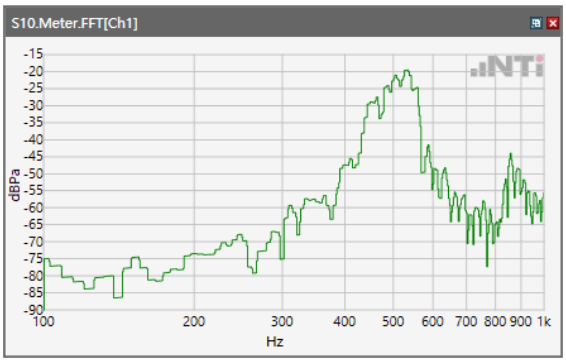


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

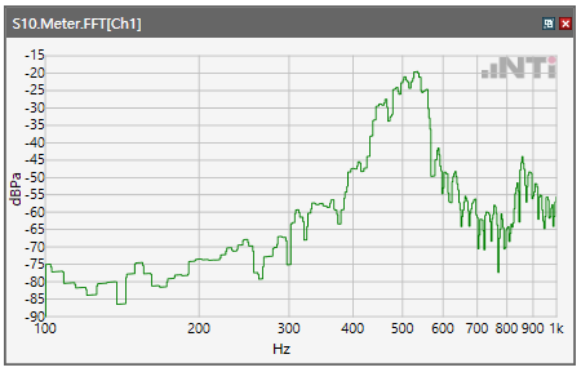


Receive path - distortion and noise 500Hz WB&NB

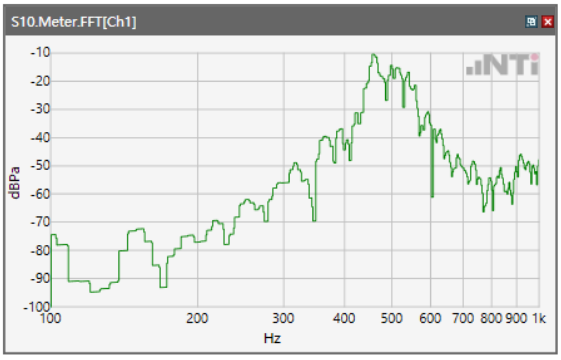
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



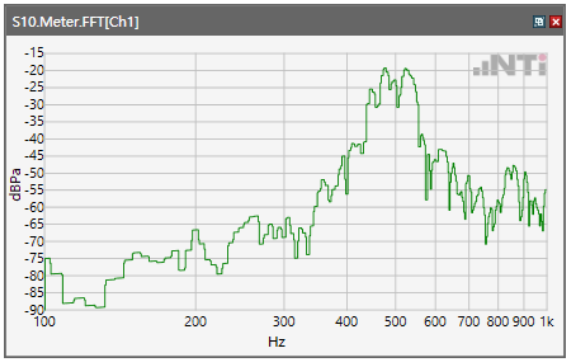
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



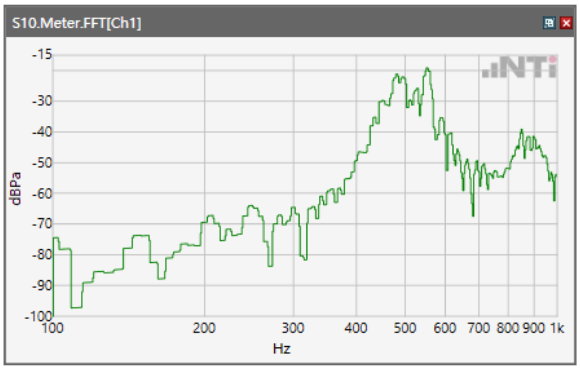
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



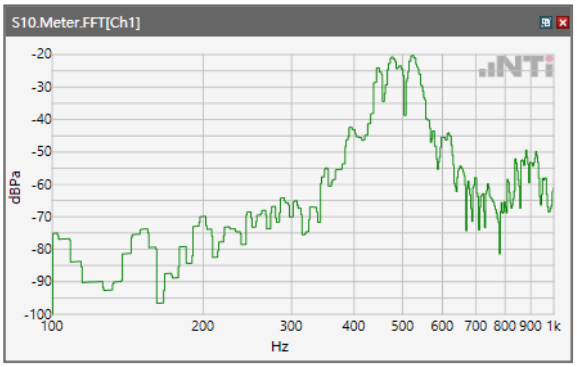
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



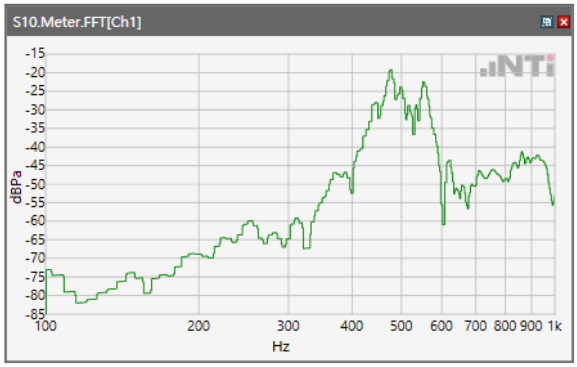
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



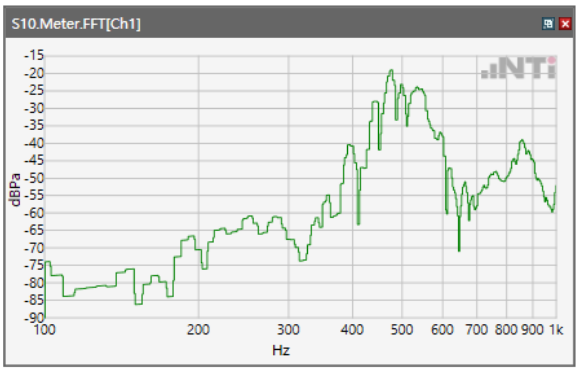
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



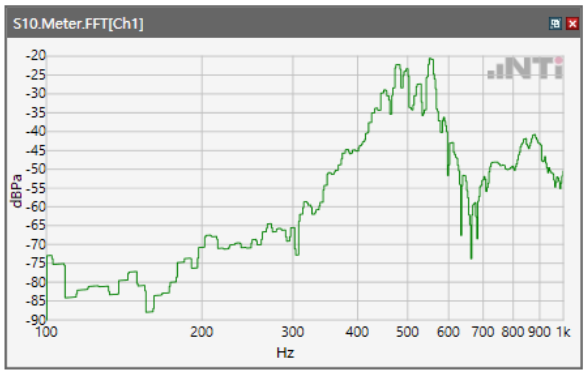
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



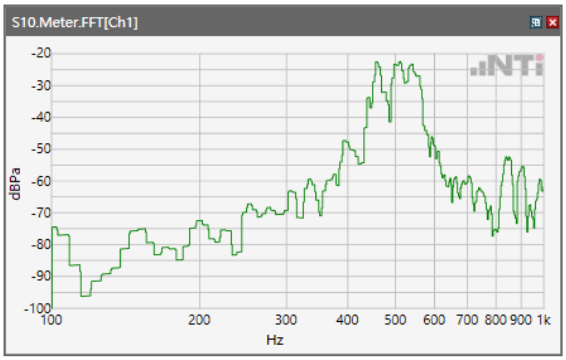
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



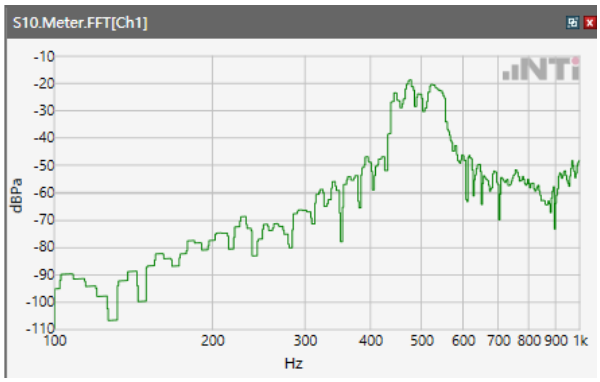
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



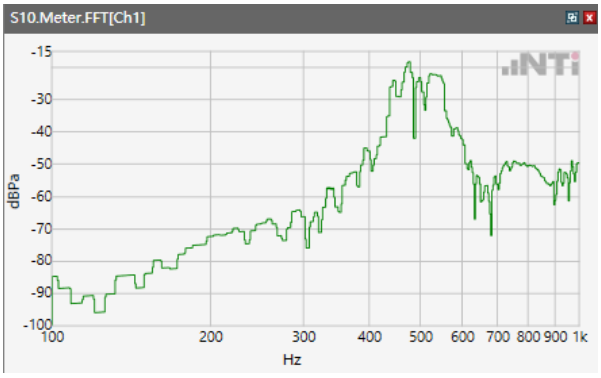
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



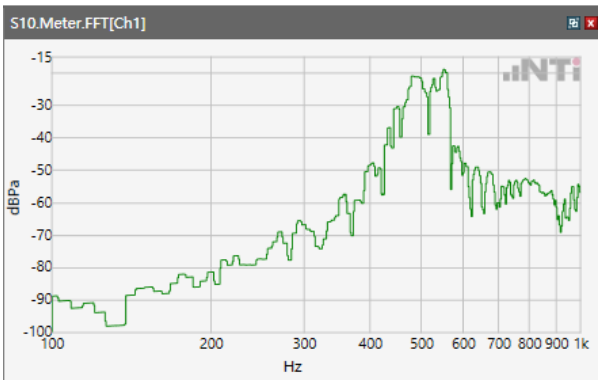
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



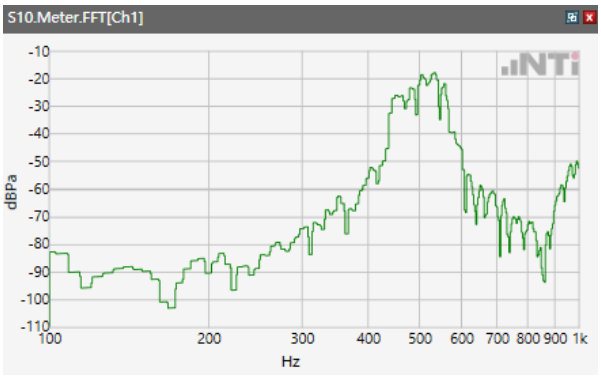
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



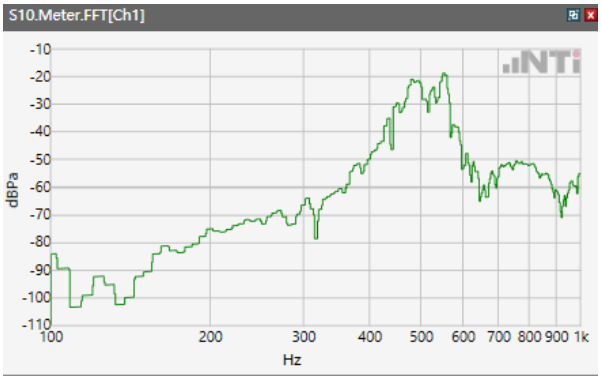
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

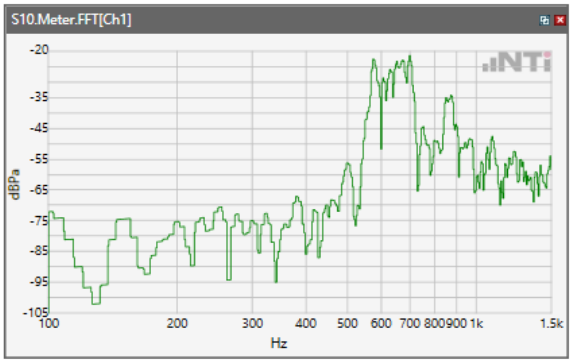


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

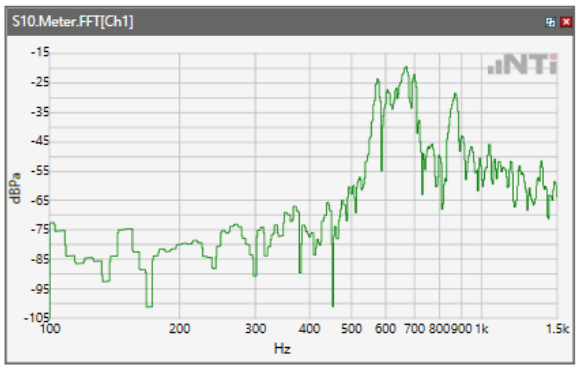


Receive path - distortion and noise 630Hz WB&NB

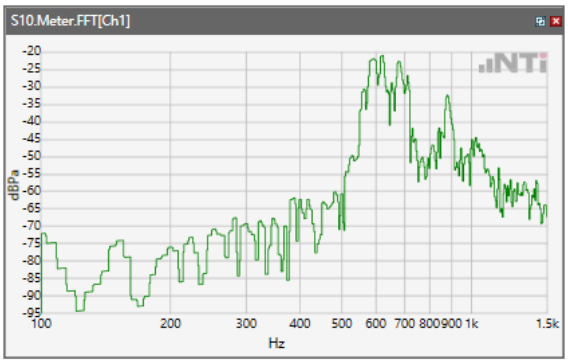
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



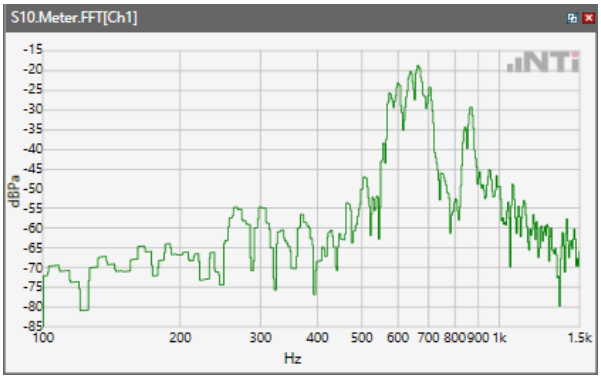
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



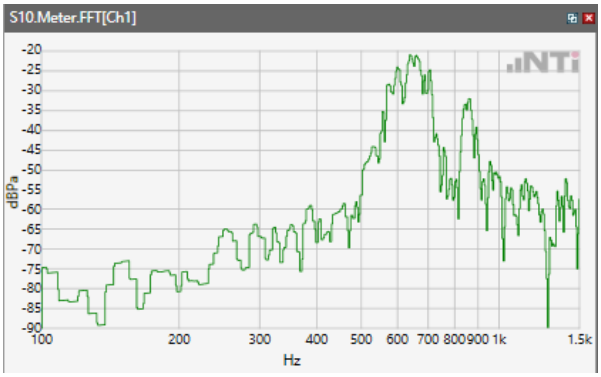
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



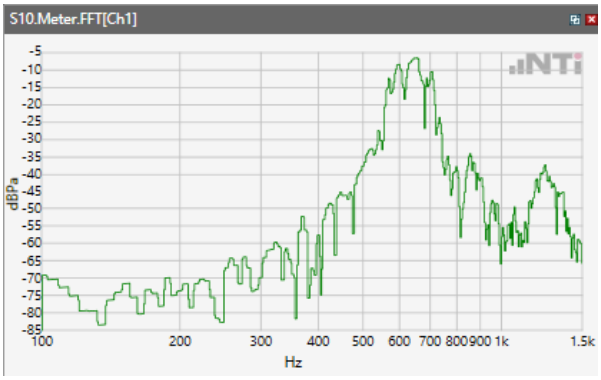
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



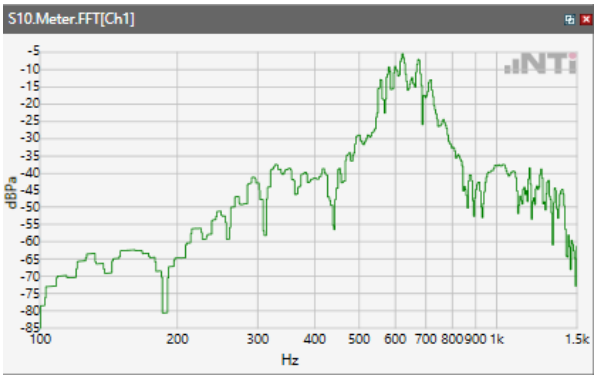
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



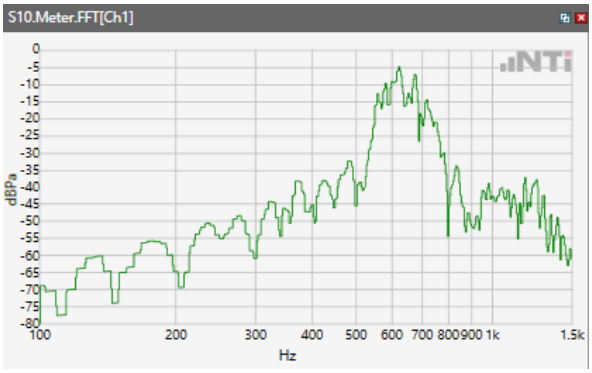
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



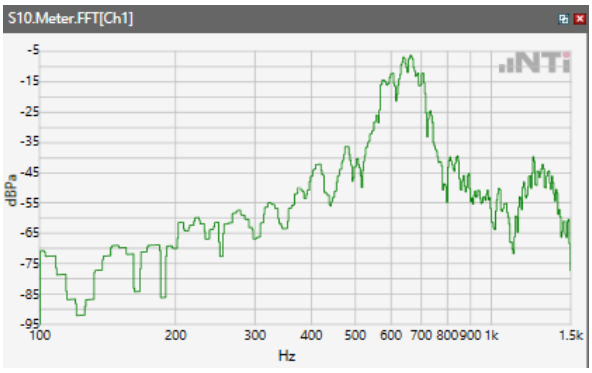
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



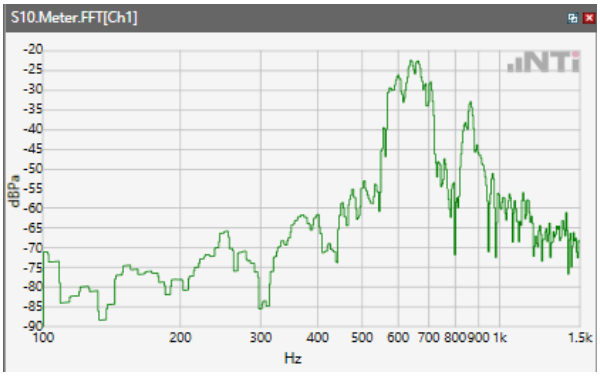
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



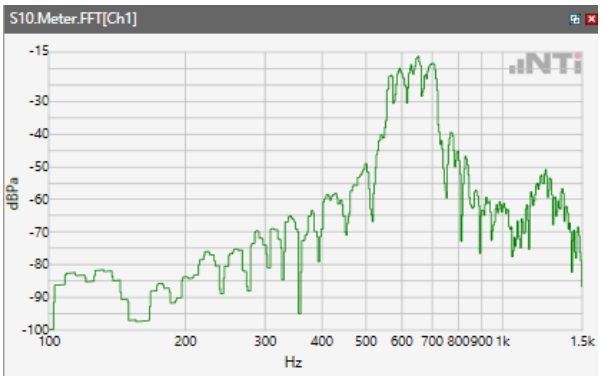
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



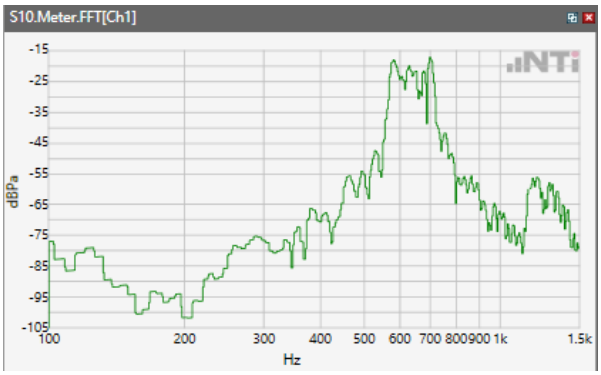
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



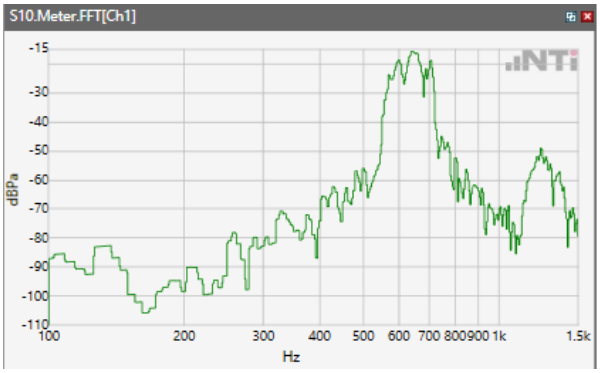
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



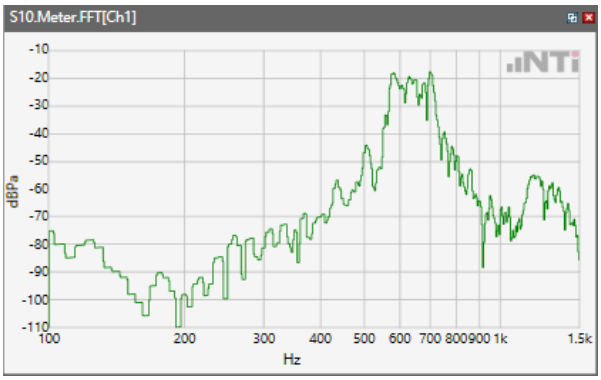
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



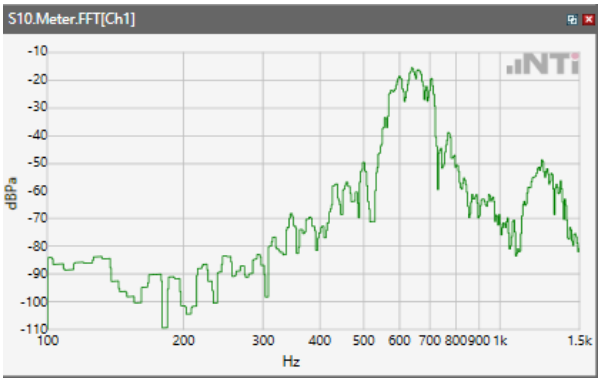
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

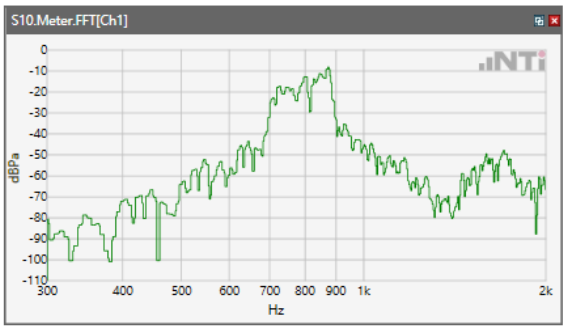


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

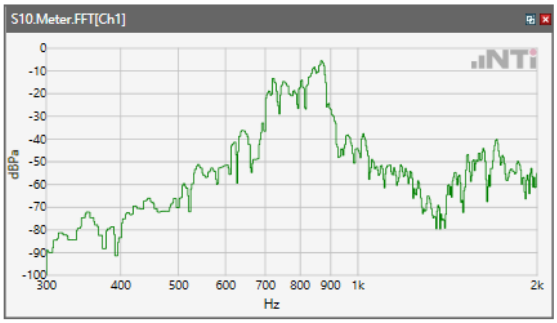


Receive path - distortion and noise 800Hz WB&NB

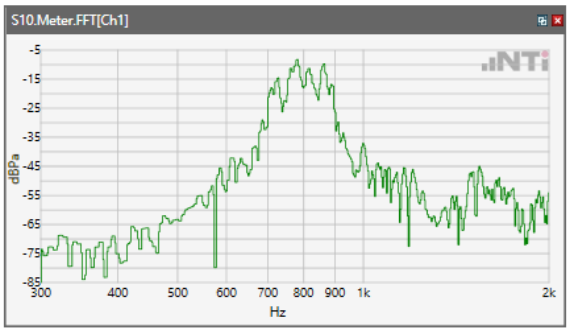
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



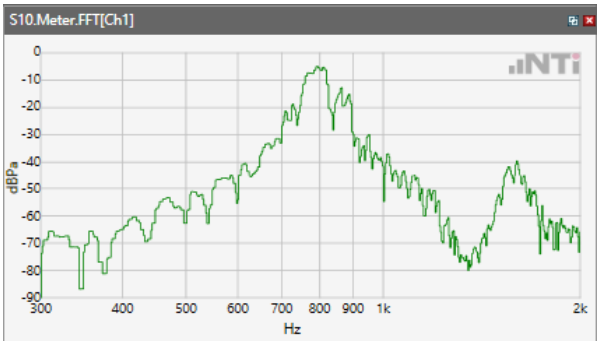
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



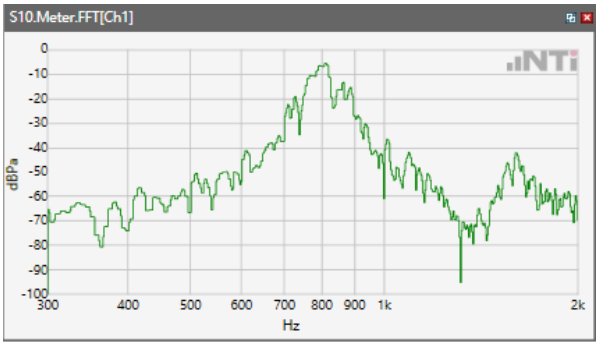
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



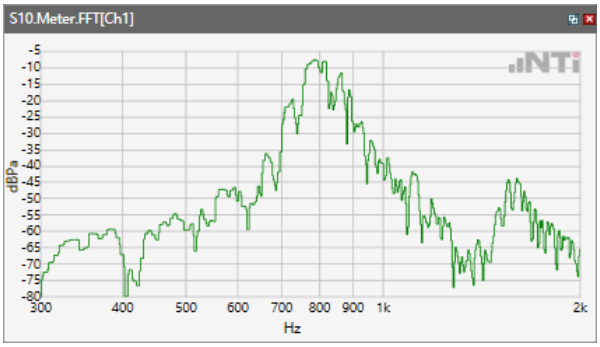
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



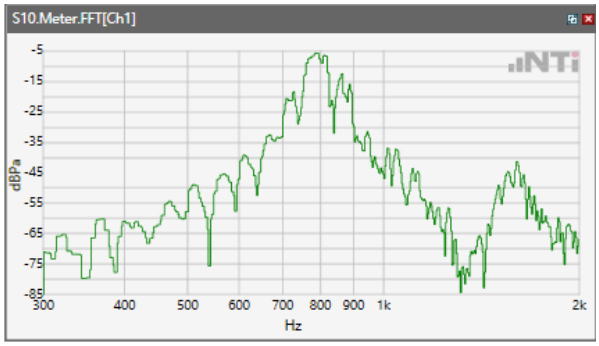
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



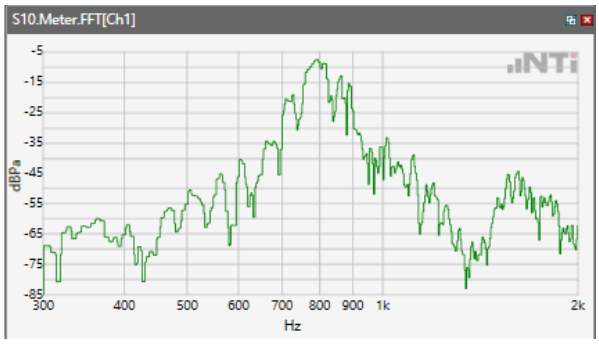
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



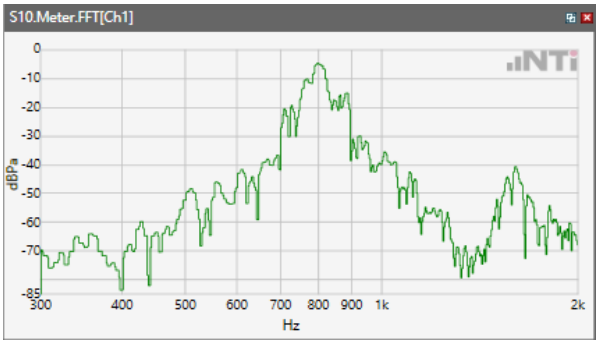
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



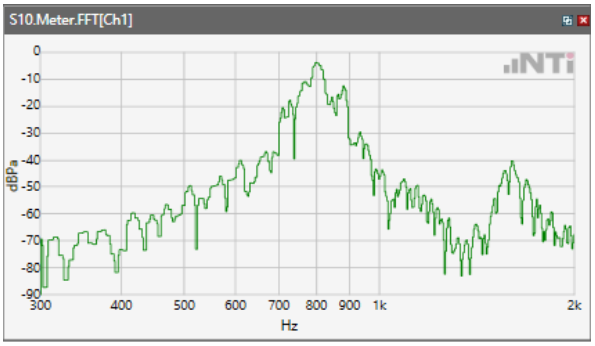
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



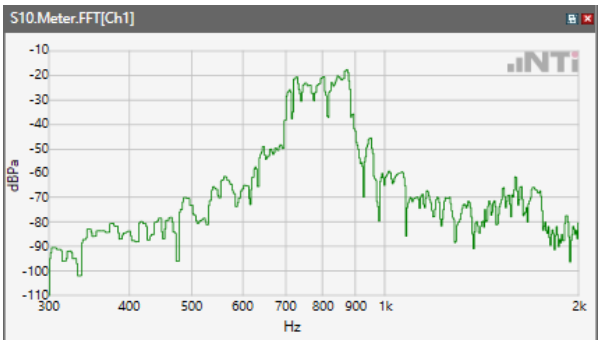
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



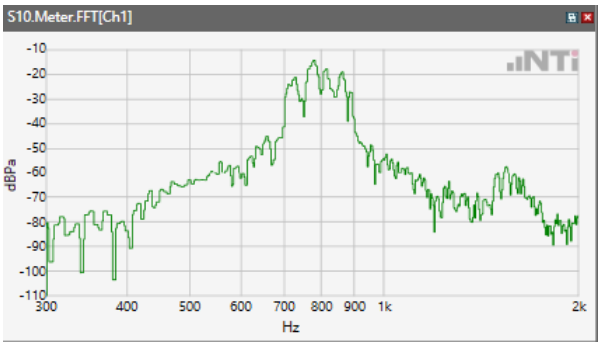
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



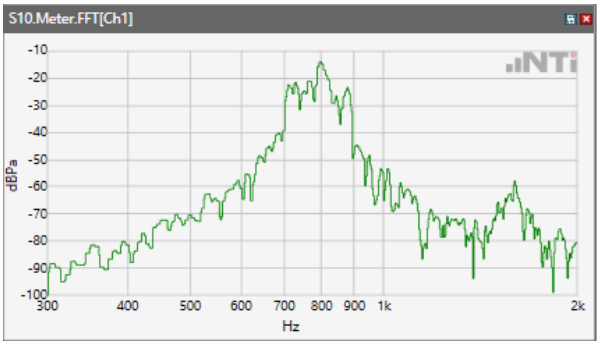
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



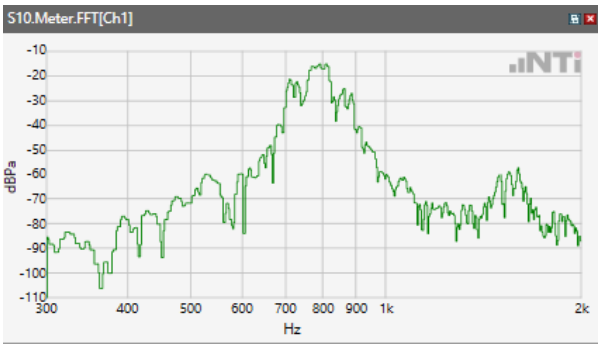
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



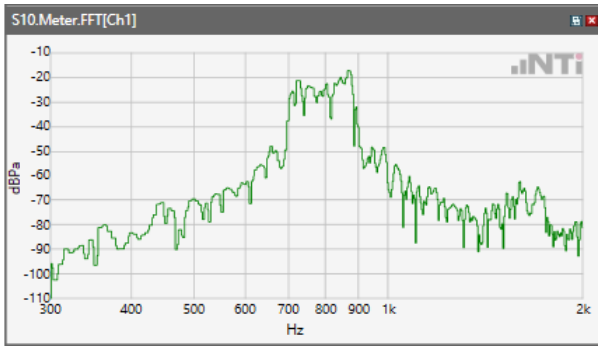
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

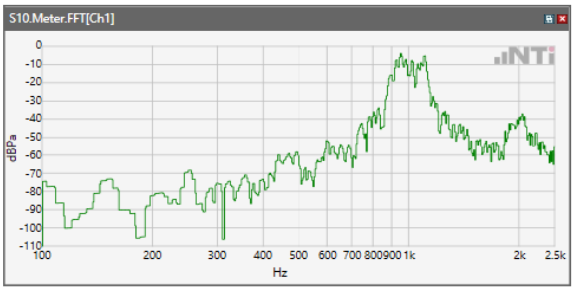


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

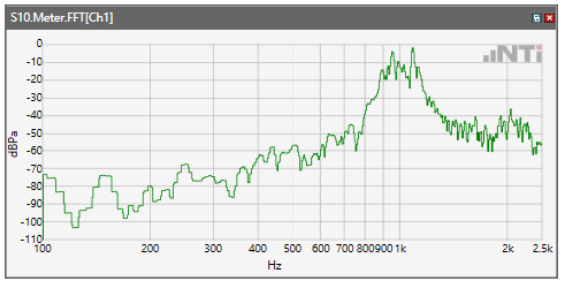


Receive path - distortion and noise 1000Hz WB&NB

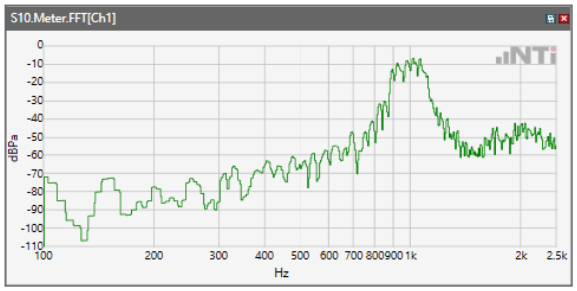
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



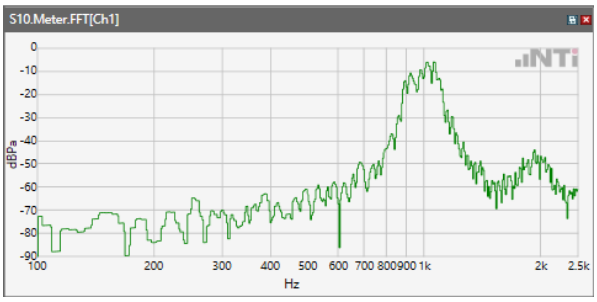
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



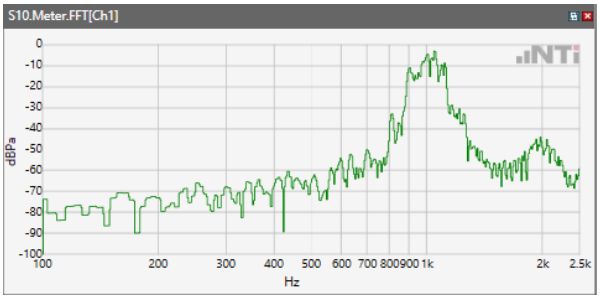
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



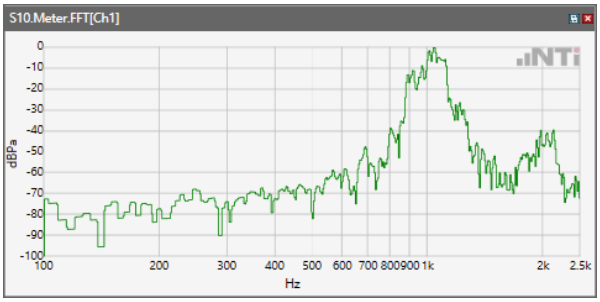
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



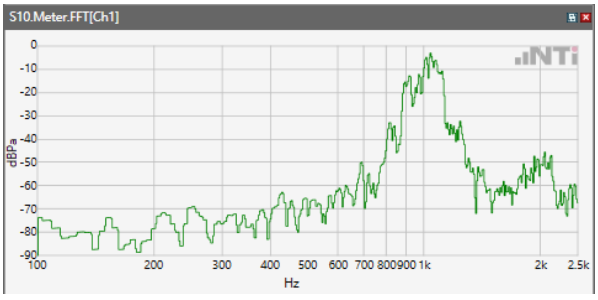
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



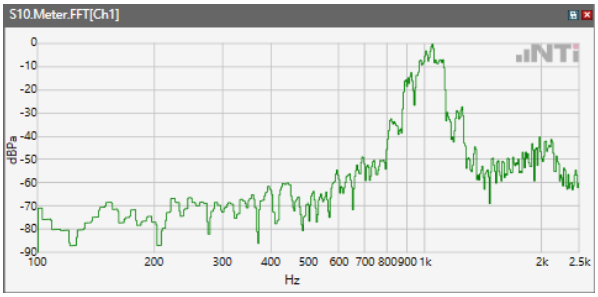
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



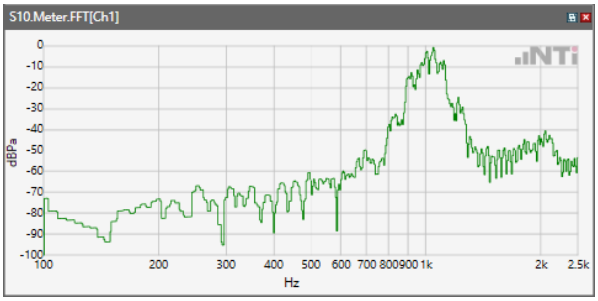
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



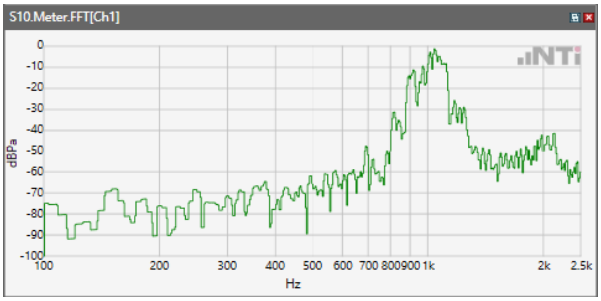
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



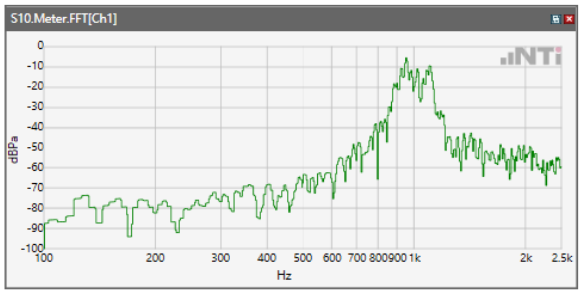
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



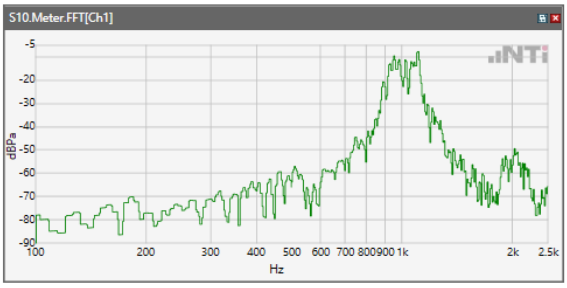
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



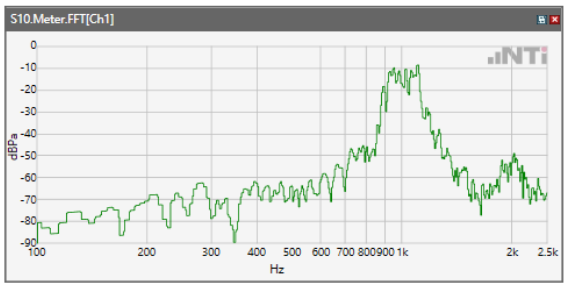
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



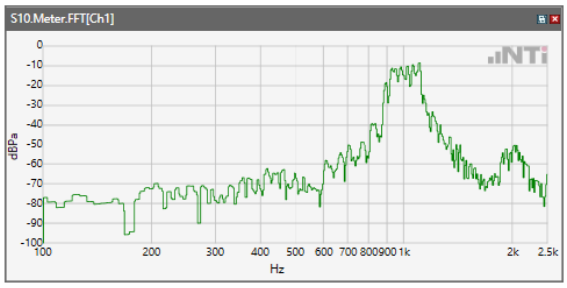
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



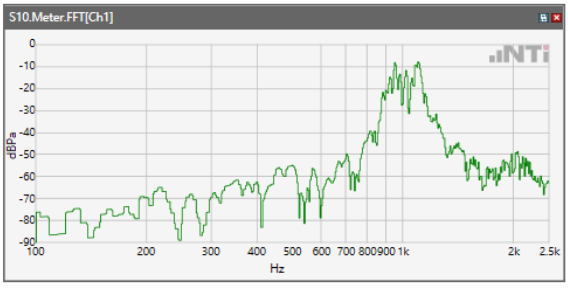
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

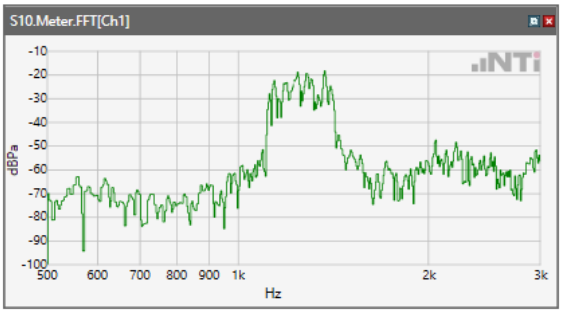


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

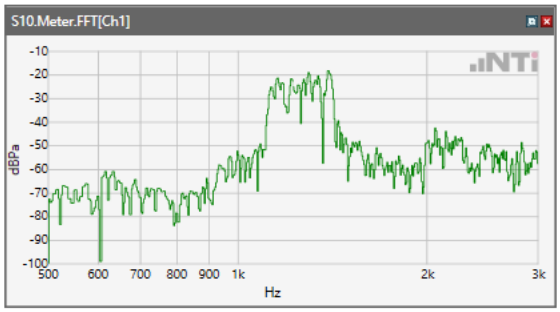


Receive path - distortion and noise 1250Hz WB&NB

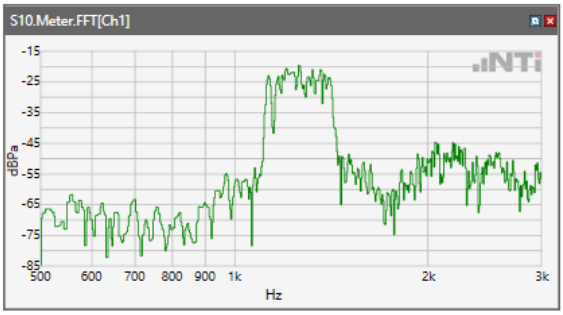
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



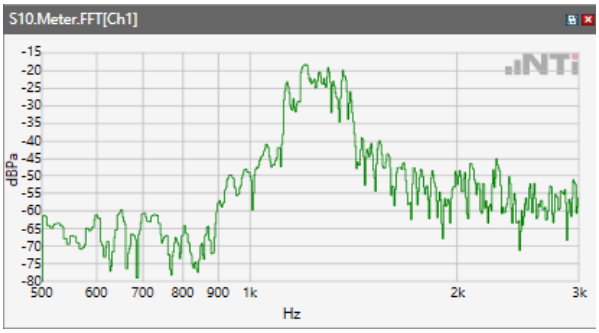
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



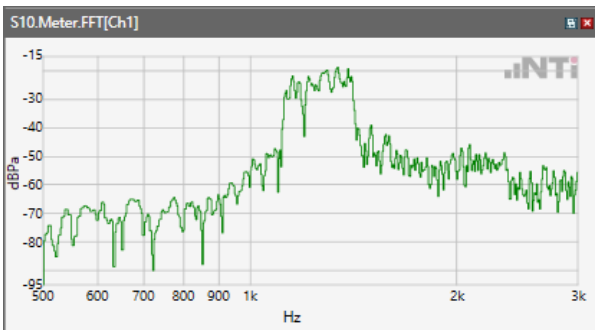
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



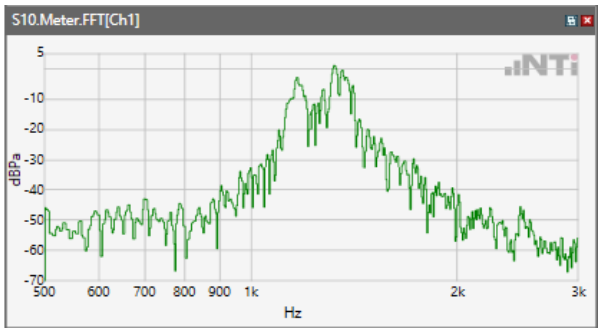
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



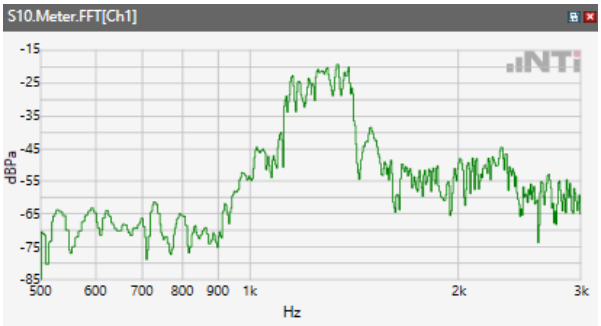
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



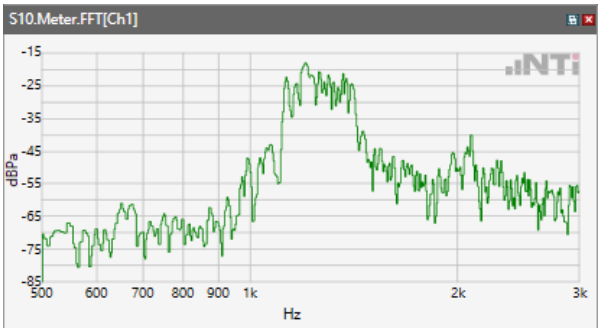
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



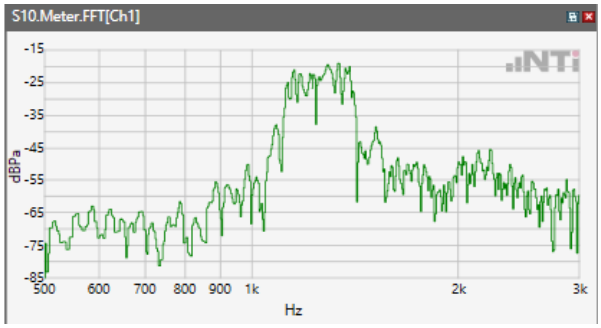
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



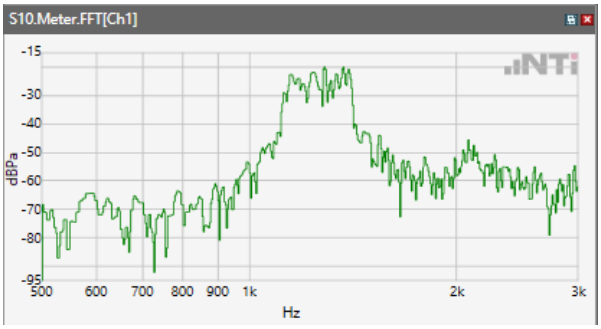
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



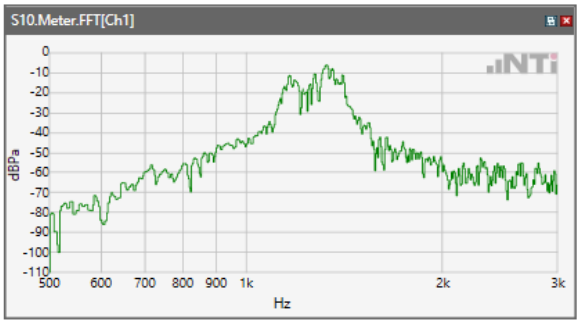
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



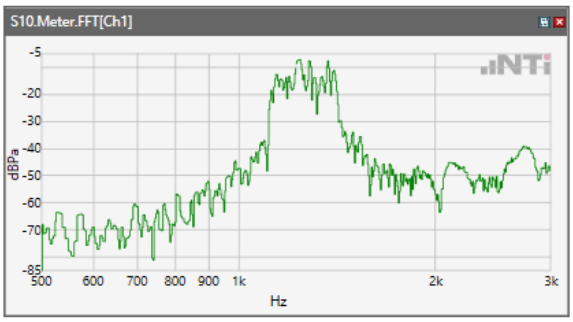
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



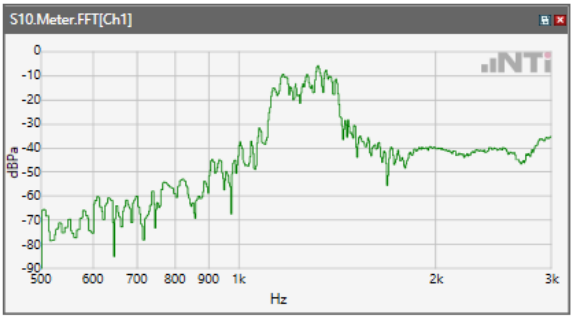
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



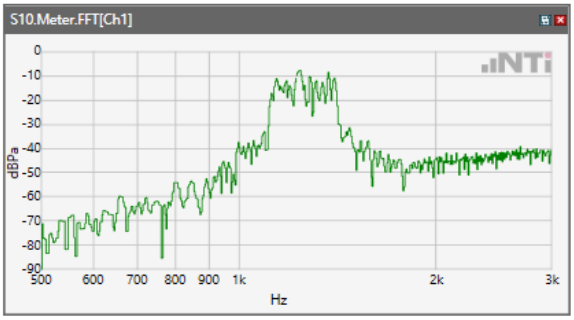
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



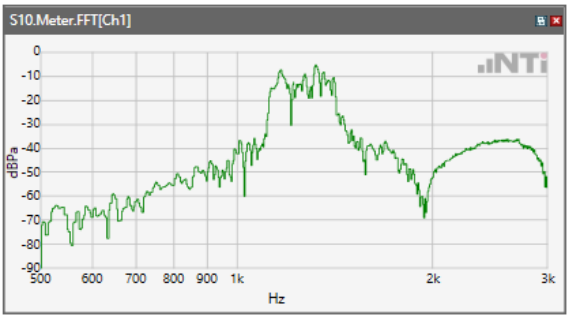
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

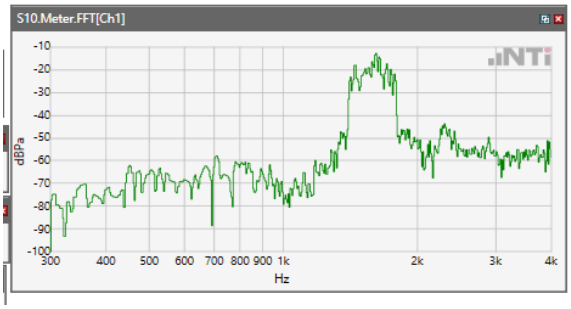


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

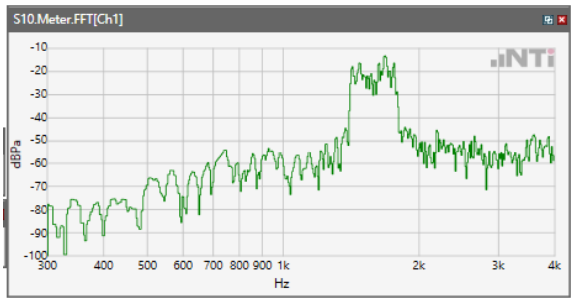


Receive path - distortion and noise 1600Hz WB&NB

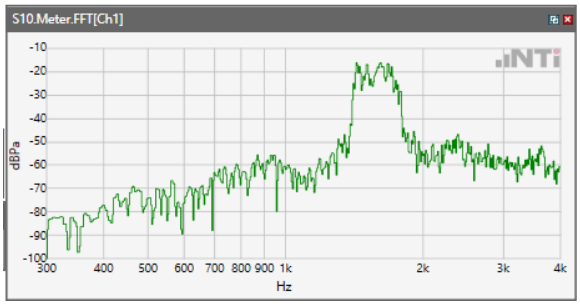
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



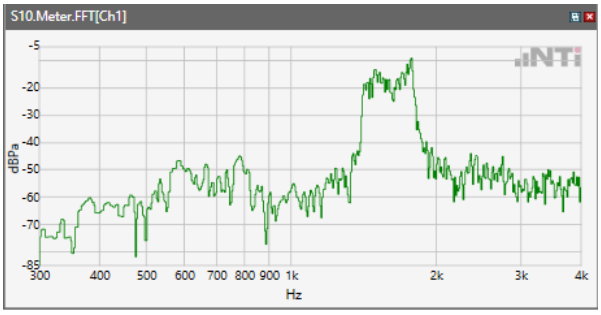
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



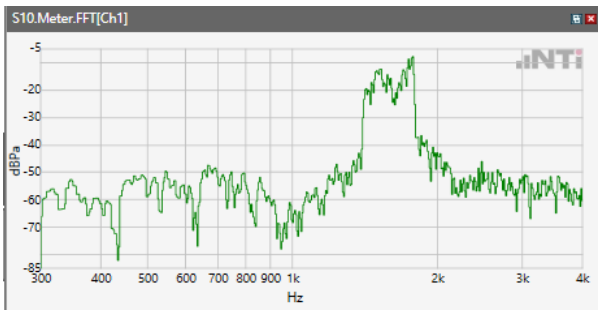
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



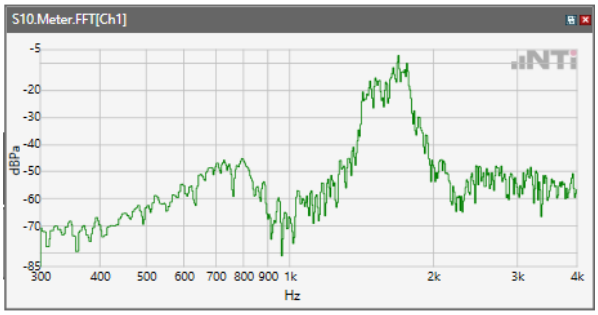
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



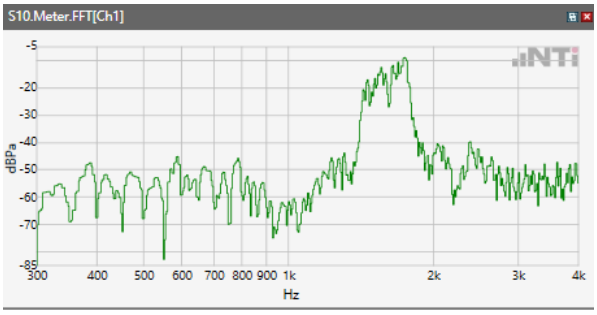
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



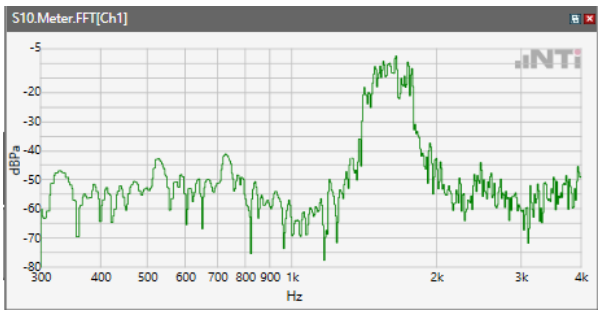
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



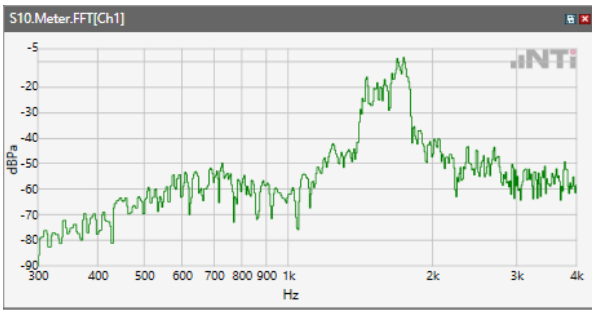
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



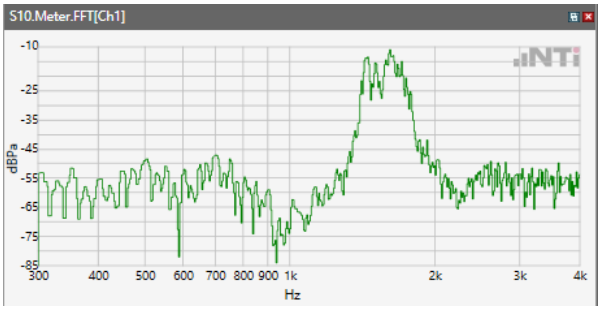
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



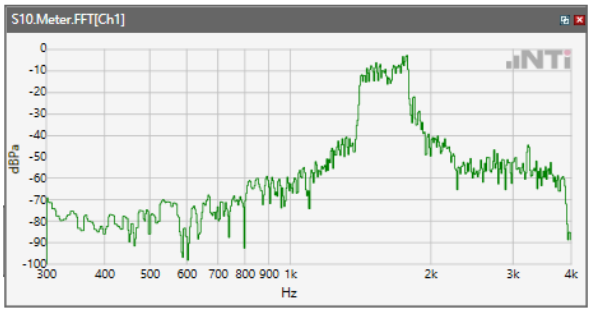
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



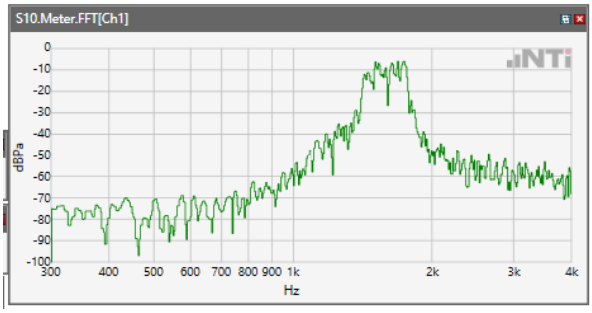
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



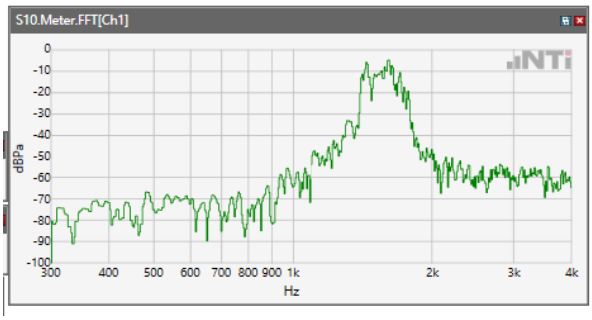
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



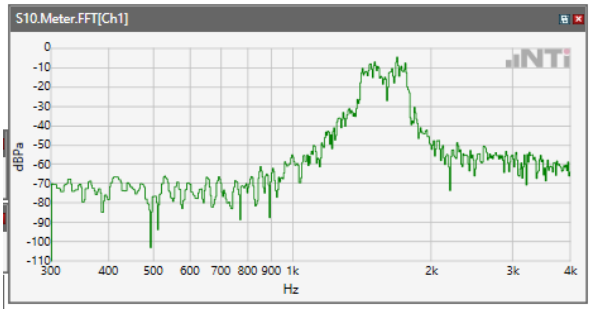
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



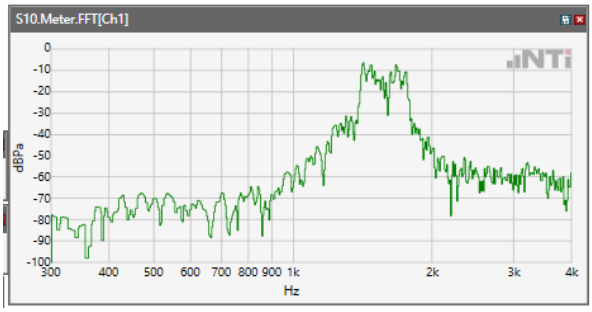
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

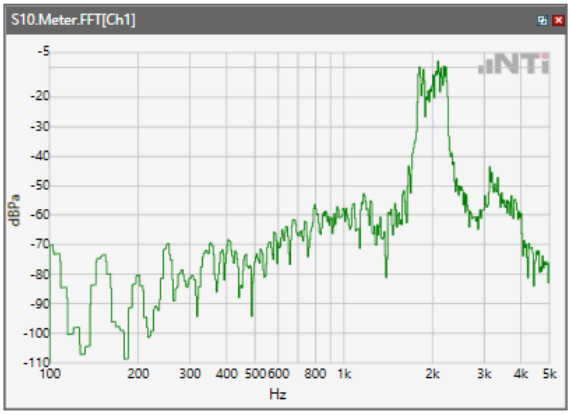


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

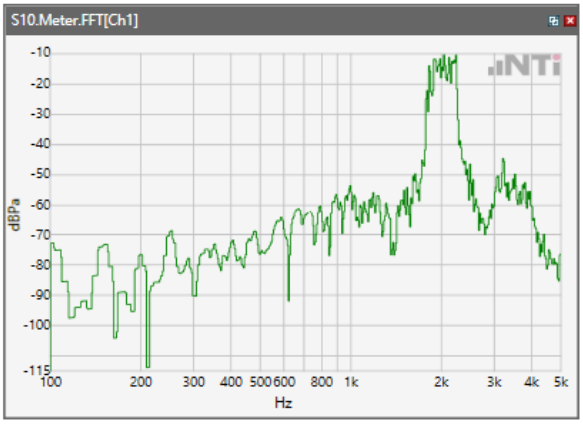


Receive path - distortion and noise 2000Hz WB&NB

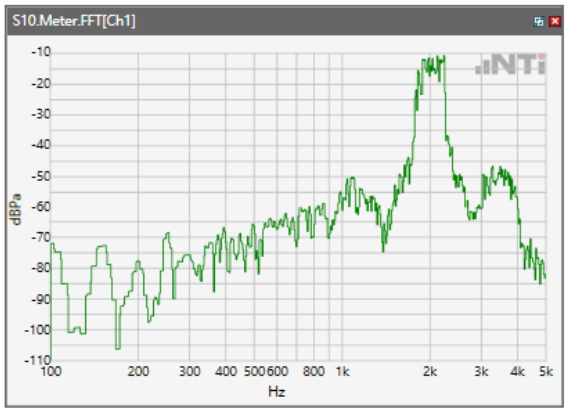
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



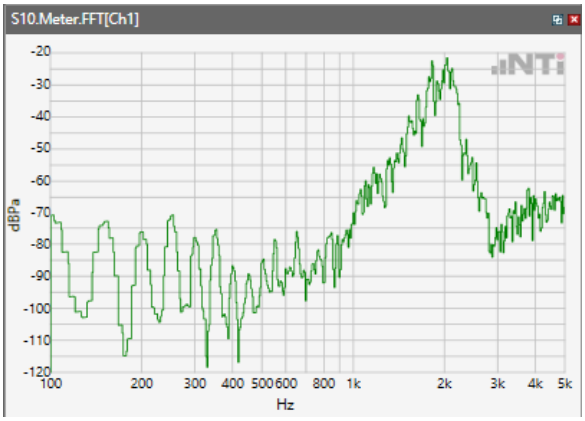
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



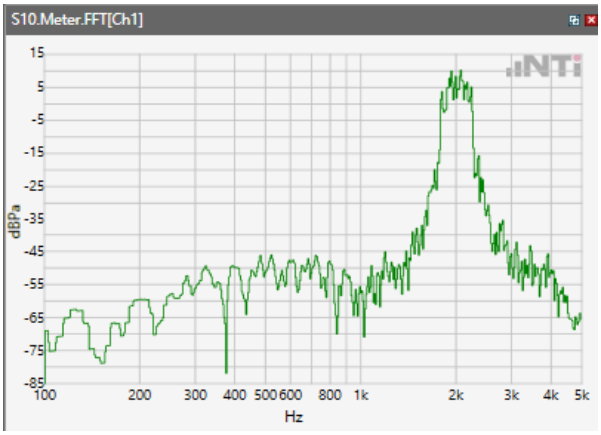
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



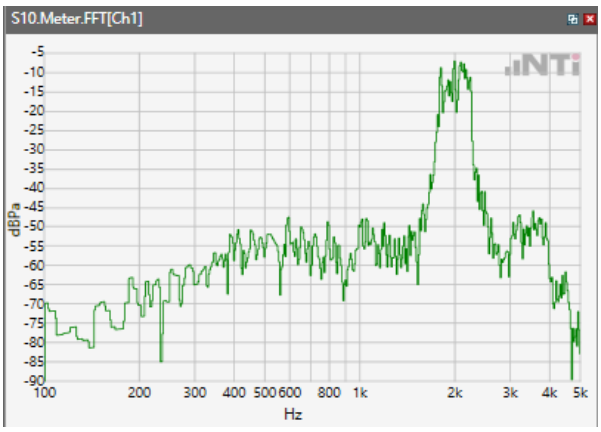
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



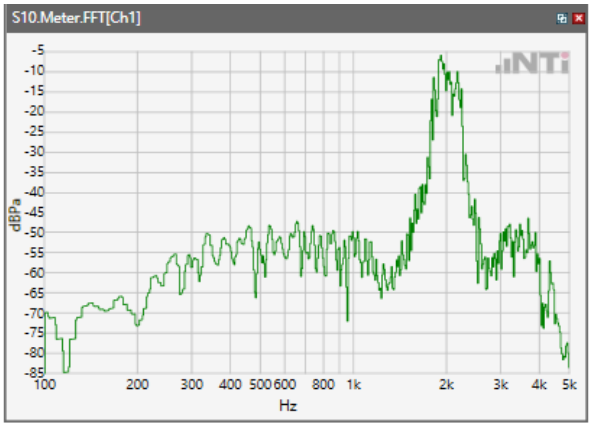
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



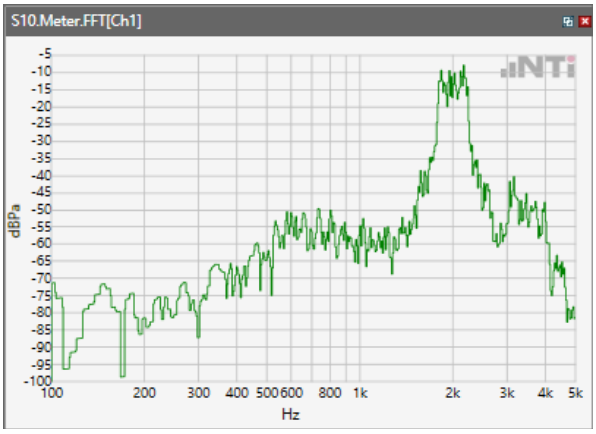
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



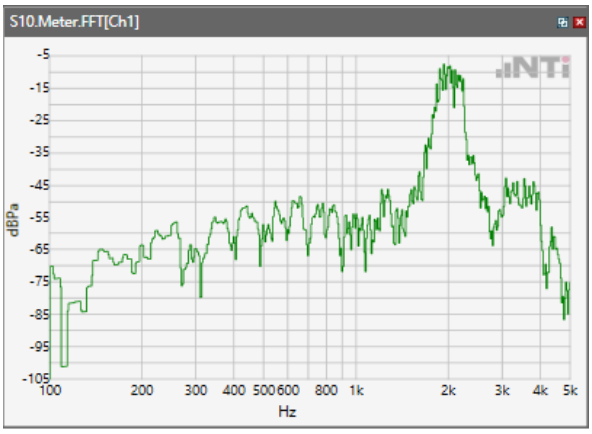
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



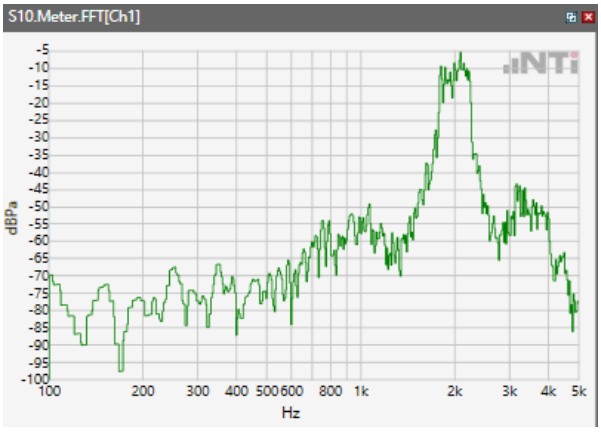
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



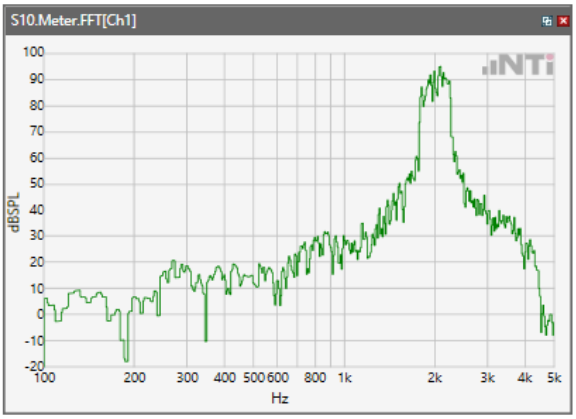
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



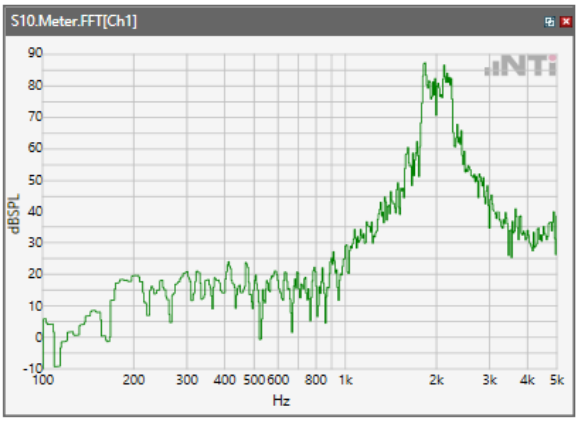
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



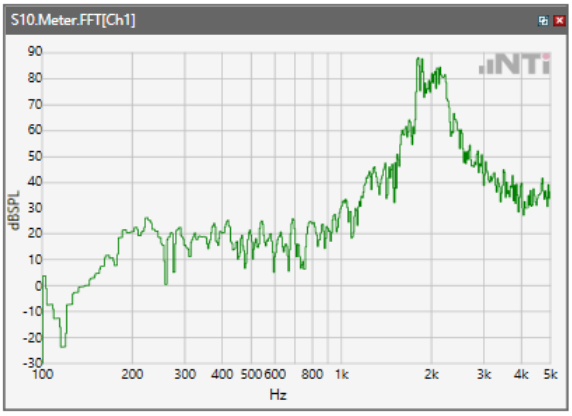
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 2.4GHz



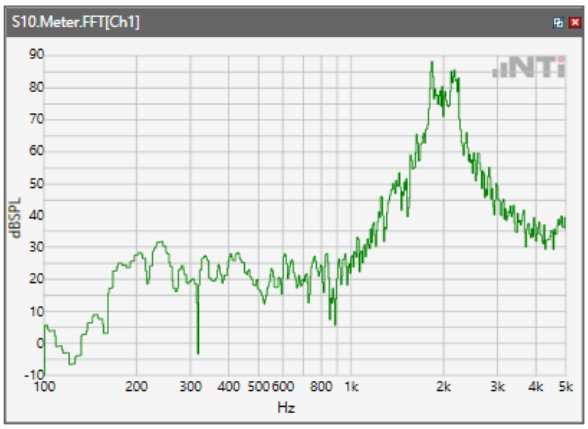
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.2GHz



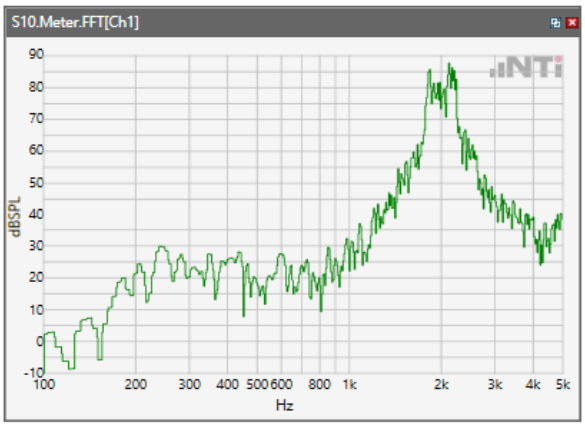
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.3GHz



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.5GHz

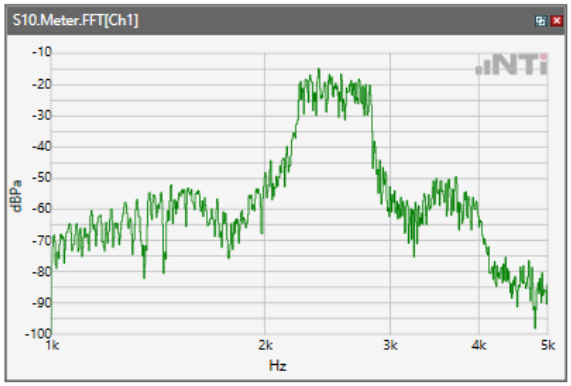


ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WLAN 5.8GHz

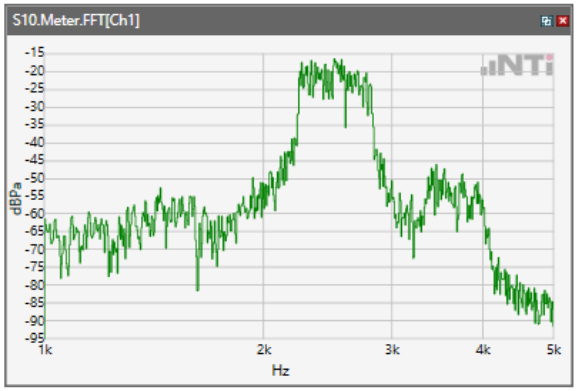


Receive path - distortion and noise 2500Hz WB&NB

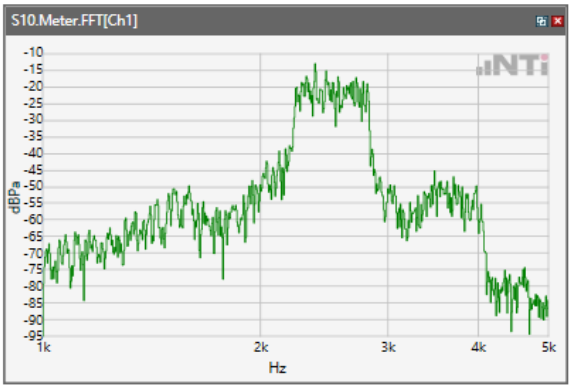
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



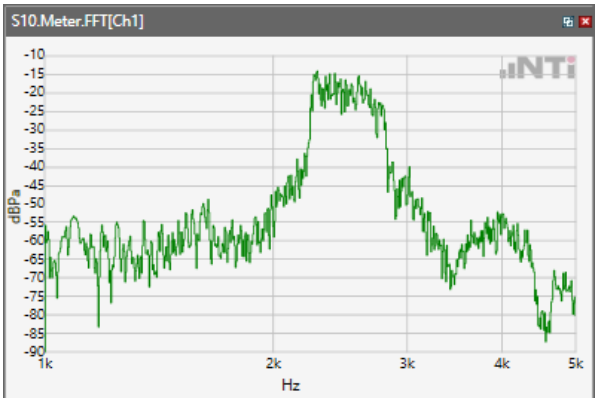
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band IV



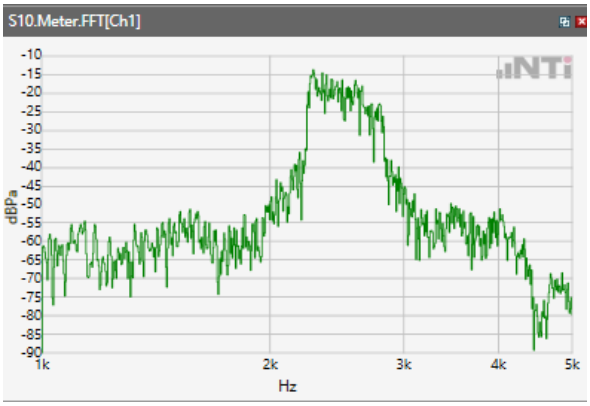
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



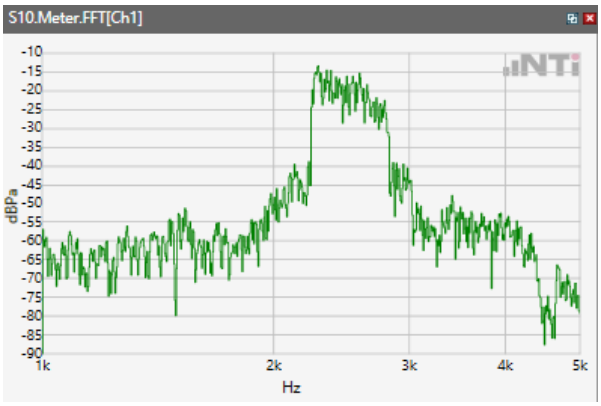
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



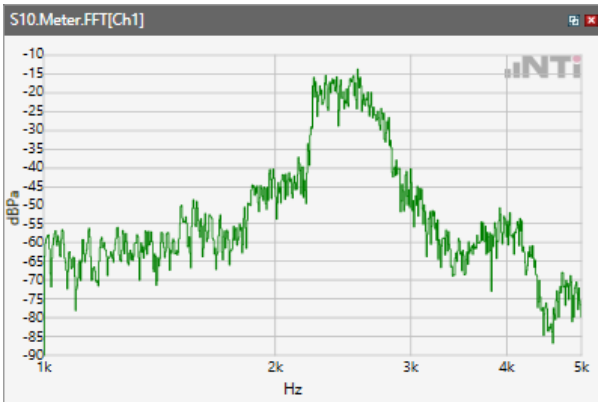
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 13



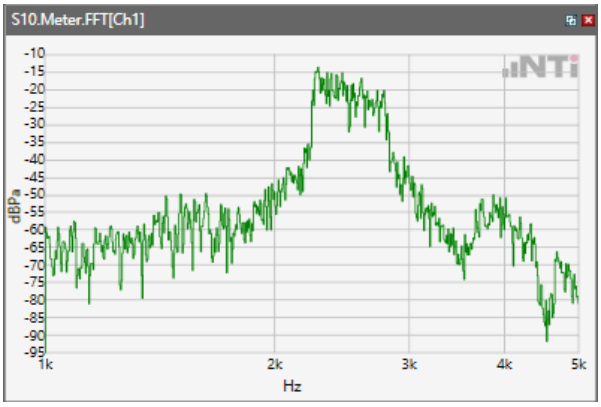
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 25



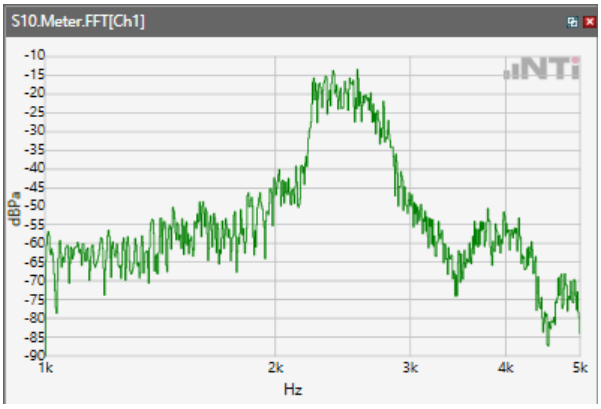
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 26



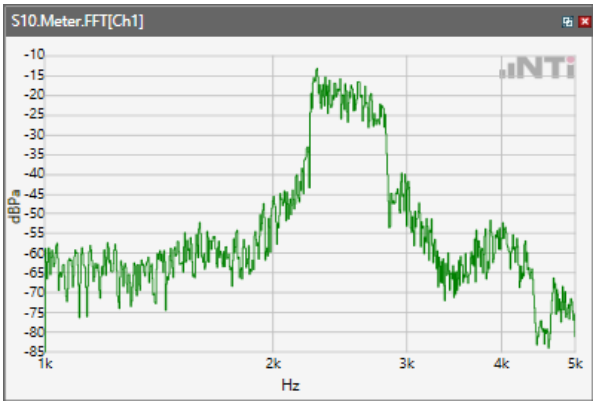
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 41



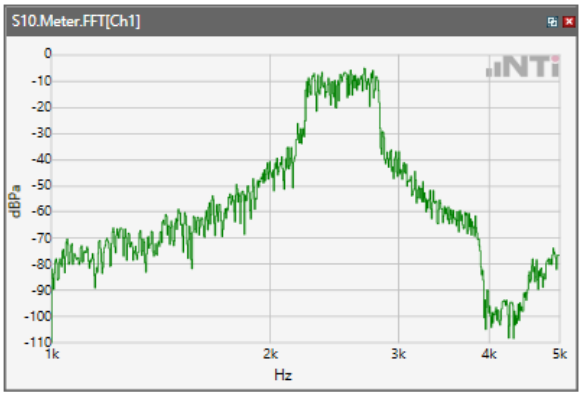
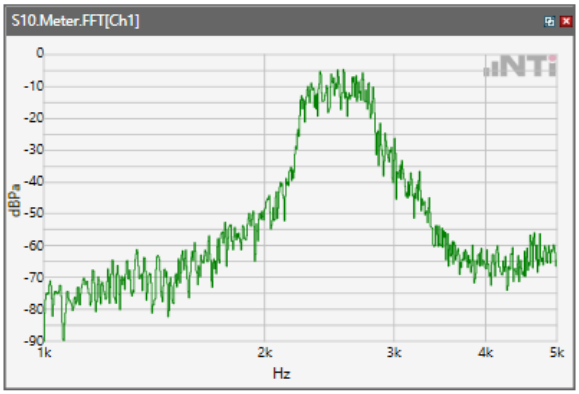
ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



ANSI/TIA 5050-2018 \ 8N HAC OFF \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 71



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



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