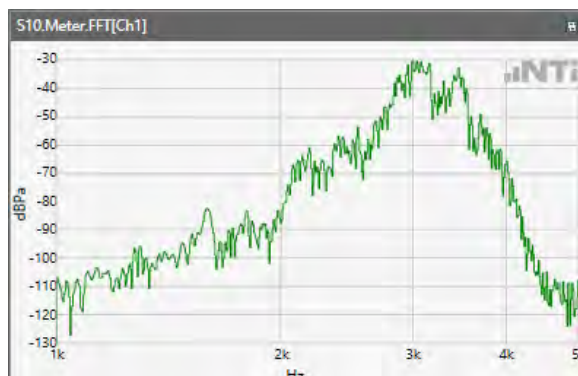
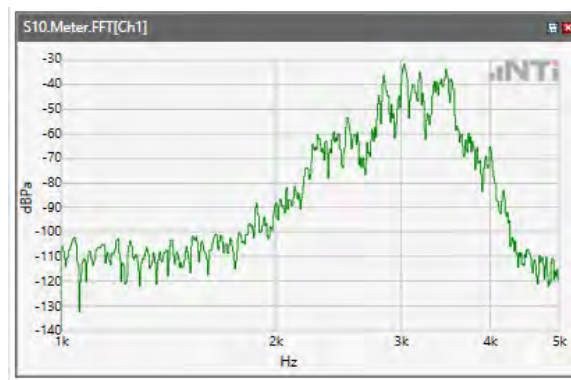


Receive path - distortion and noise 3150Hz WB&NB

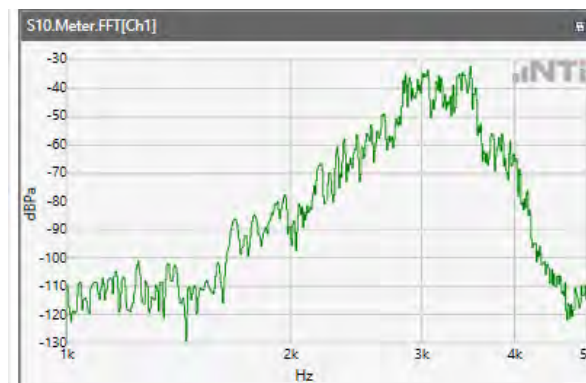
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 850



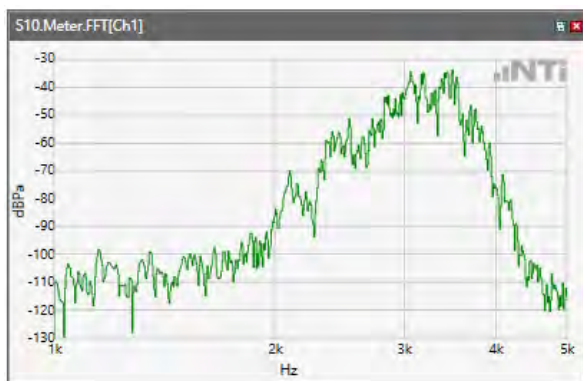
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\GSM 1900



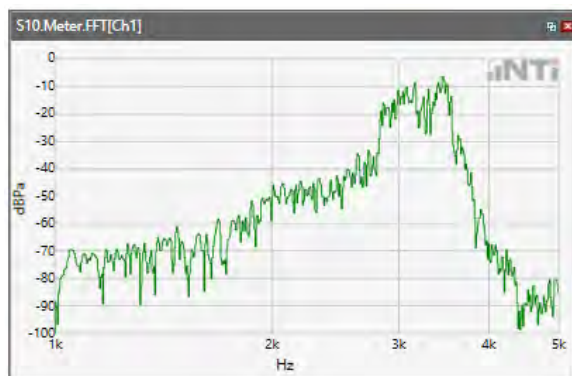
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band II



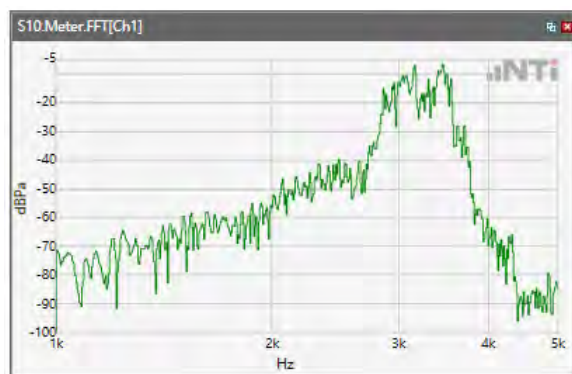
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\WCDMA Band V



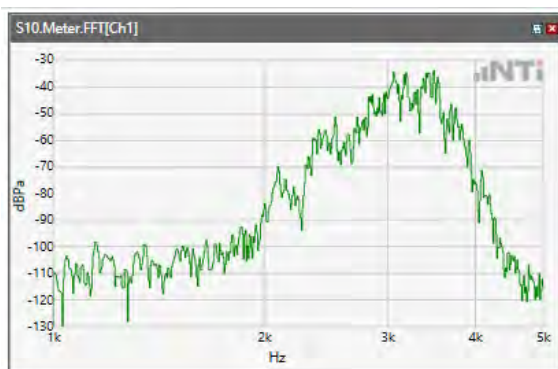
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 2



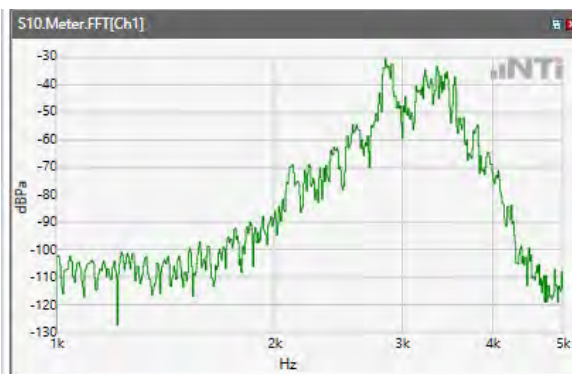
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 5



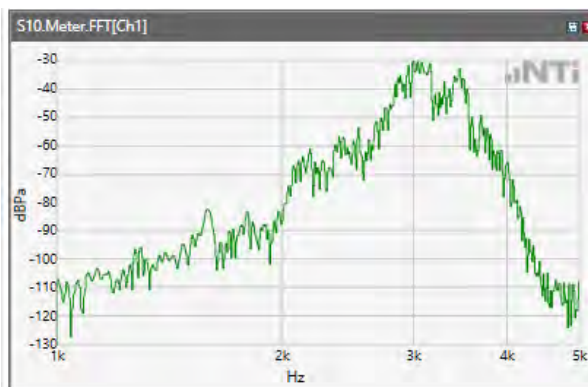
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 12



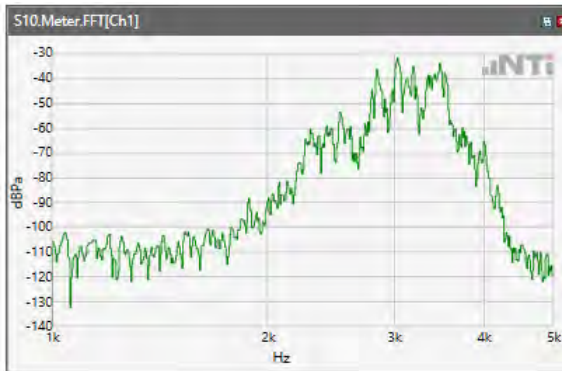
ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps\ 5.2 Receive path – distortion and noise\LTE Band 66



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



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

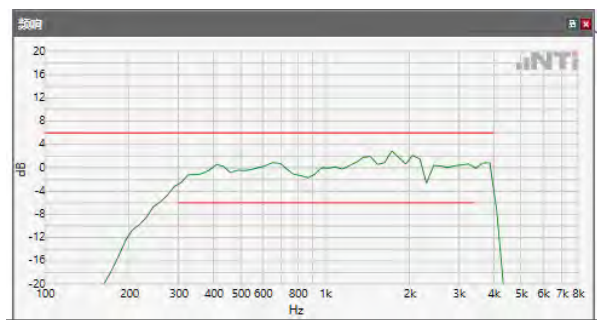


5.2 Receive path – distortion and noise

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

5.3 Receive Acoustic Frequency response Performance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ GSM 850



Absolute minimal distance

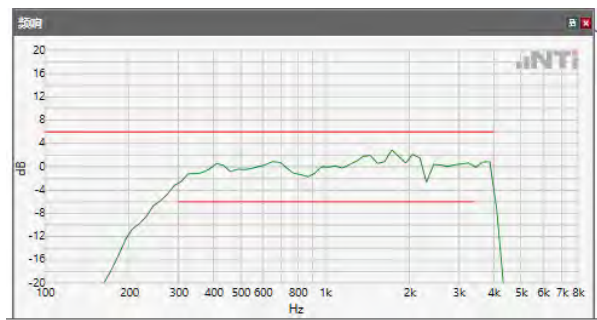
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ GSM 1900



Absolute minimal distance

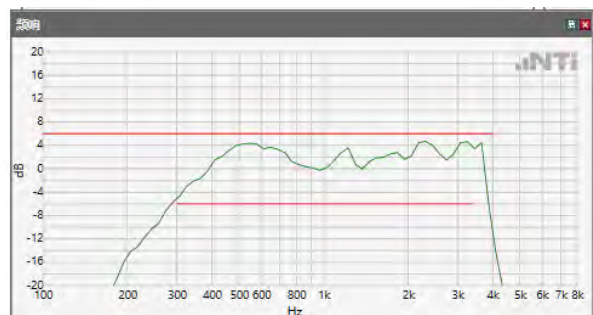
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ WCDMA Band II



Absolute minimal distance

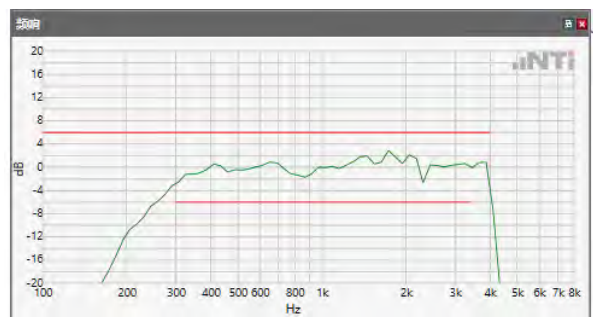
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ WCDMA Band V



Absolute minimal distance

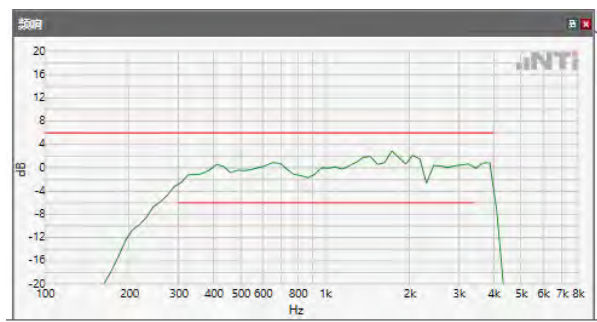
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

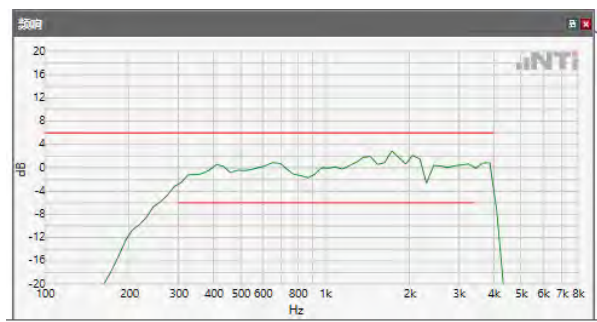
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ LTE Band 5



Absolute minimal distance

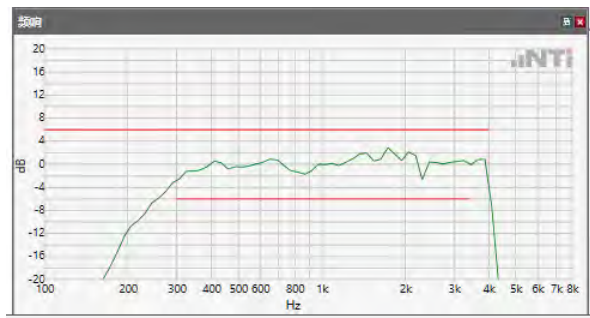
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ LTE Band 12



Absolute minimal distance

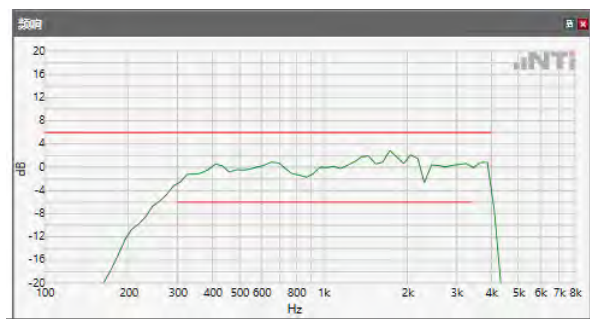
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ LTE Band 66



Absolute minimal distance

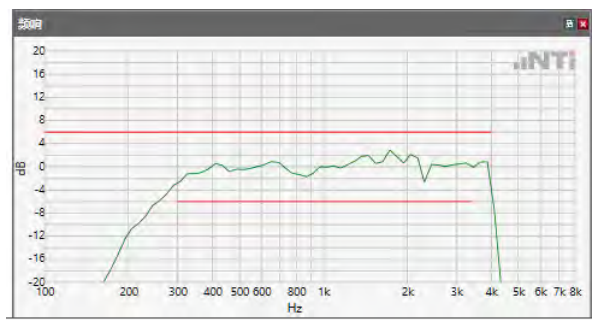
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ LTE BAND 71



Absolute minimal distance

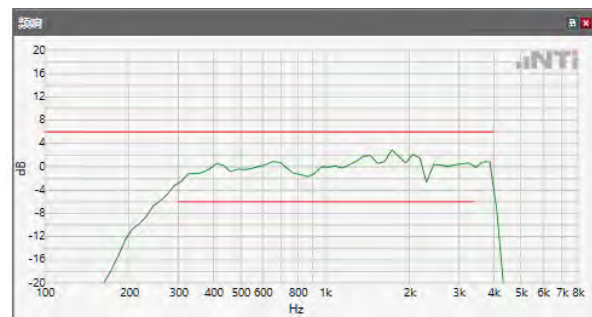
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ NB 12.2kbps \ LTE Band 7



Absolute minimal distance

OK

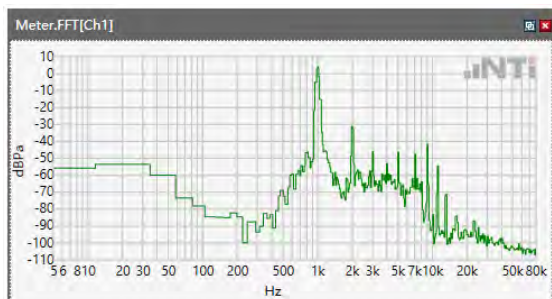
OK

Limits

	lower
Run 1	Fit into tolerance

5.1 Receive Volume Control Performance 2N---WB

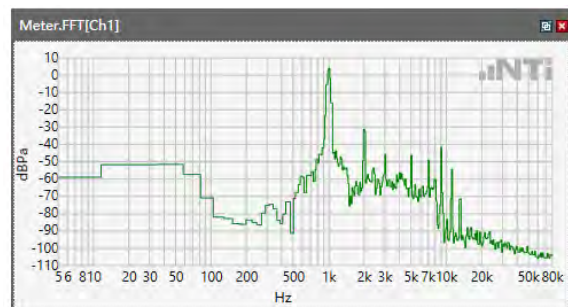
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\GSM 850



Speech Level RCV: 93.34 dB[SPL]

Calculated Value: 23.34 dB Ok

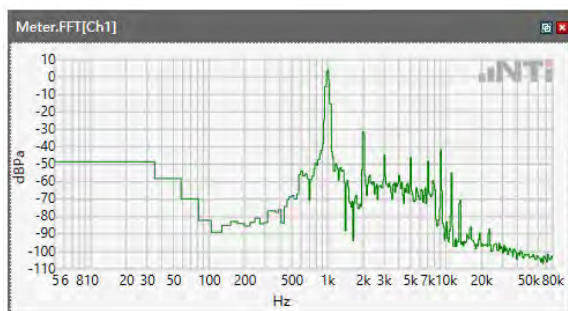
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ GSM 1900



Speech Level RCV: 92.53 dB[SPL]

Calculated Value: 22.53 dB Ok

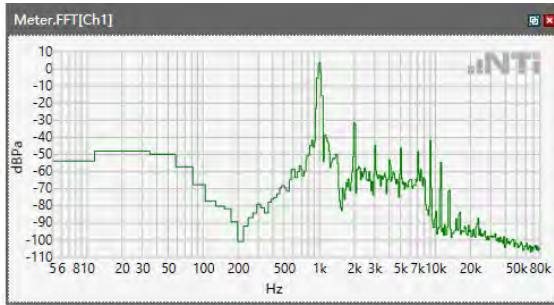
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ WCDMA II



Speech Level RCV: 99.28 dB[SPL]

Calculated Value: 29.28 dB Ok

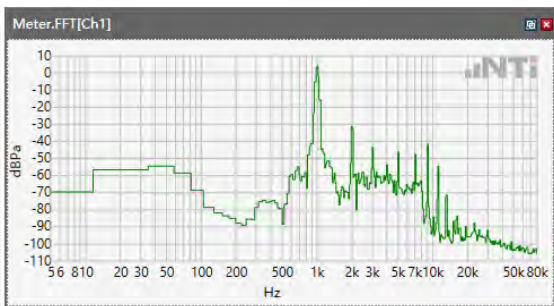
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\WCDMA V



Speech Level RCV: 93.49 dB[SPL]

Calculated Value: 23.49 dB Ok

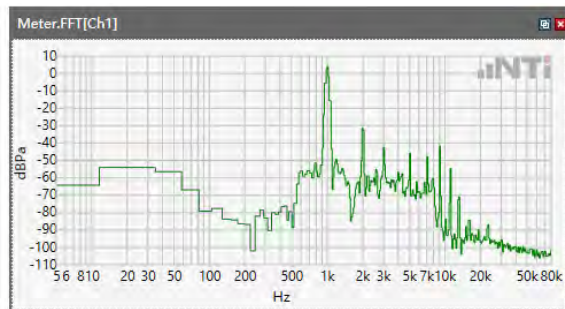
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ LTE Band 2



Speech Level RCV: 89.24 dB[SPL]

Calculated Value: 19.24 dB Ok

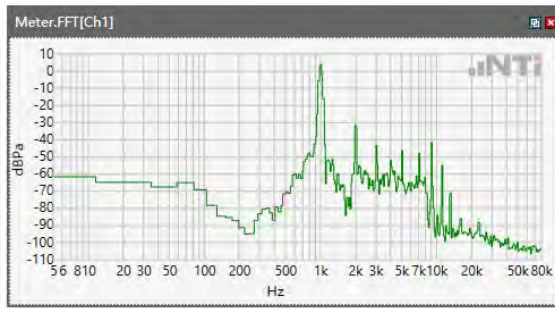
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ LTE Band 5



Speech Level RCV: 93.18 dB[SPL]

Calculated Value: 23.18 dB Ok

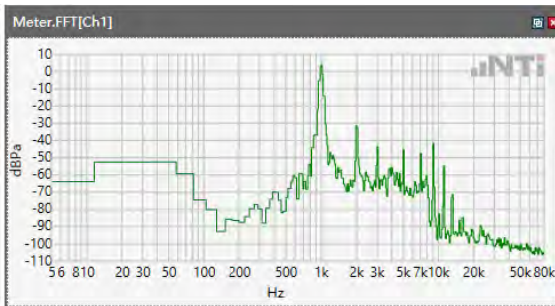
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\LTE Band 12



Speech Level RCV: 93.5 dB[SPL]

Calculated Value: 23.5 dB Ok

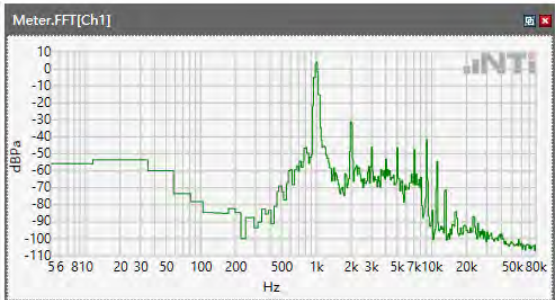
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ LTE Band 66



Speech Level RCV: 90.8 dB[SPL]

Calculated Value: 20.8 dB Ok

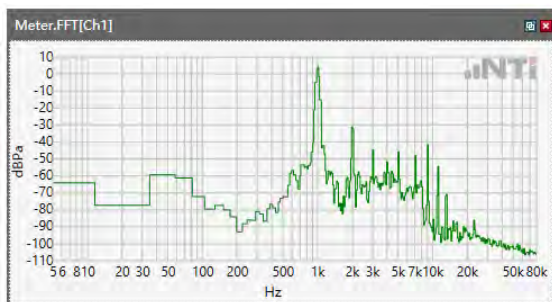
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ LTE BAND 71



Speech Level RCV: 92.3 dB[SPL]

Calculated Value: 22.3 dB Ok

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

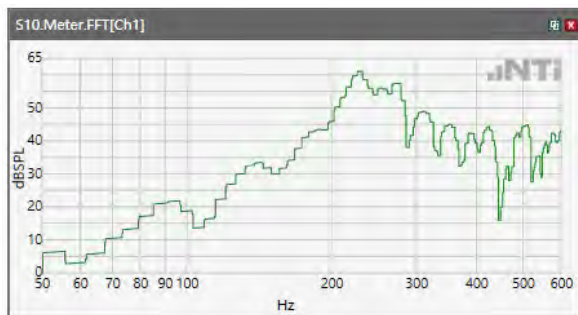


Speech Level RCV: 91.52 dB[SPL]

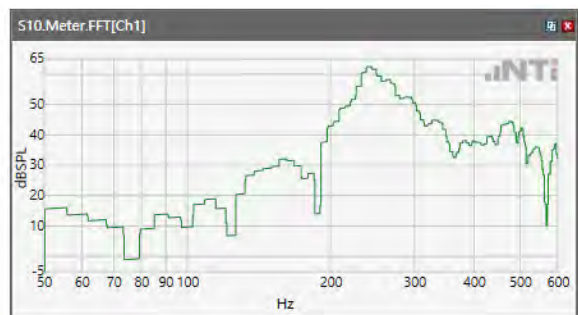
Calculated Value: 21.52 dB Ok

Receive path - distortion and noise 250 WB only

ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



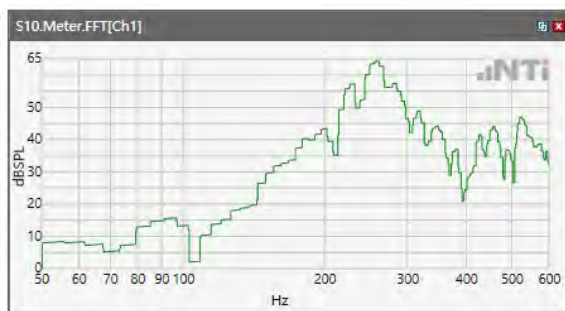
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



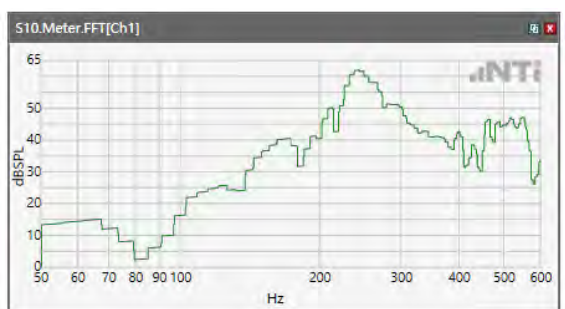
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



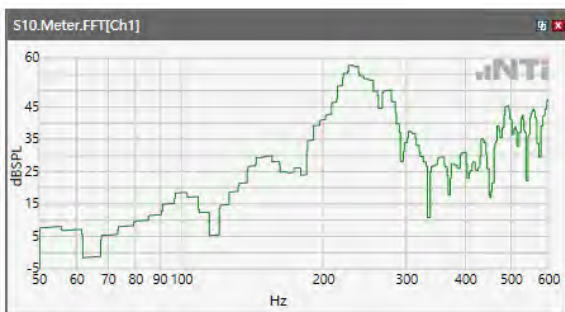
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



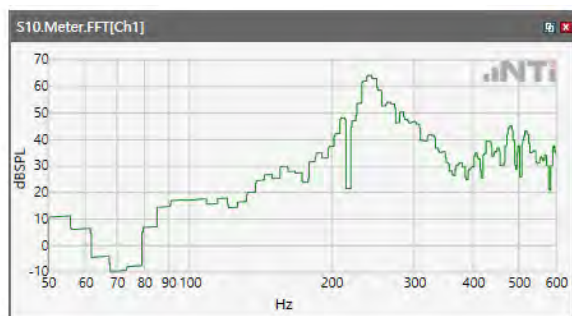
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



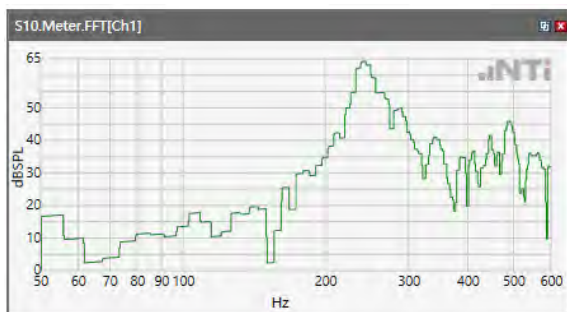
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



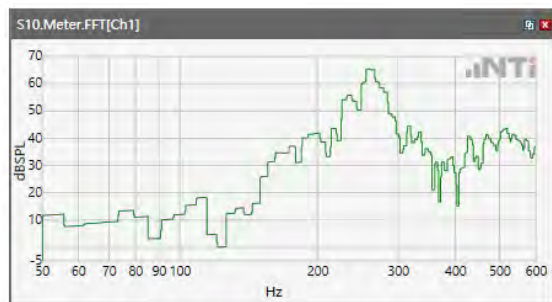
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



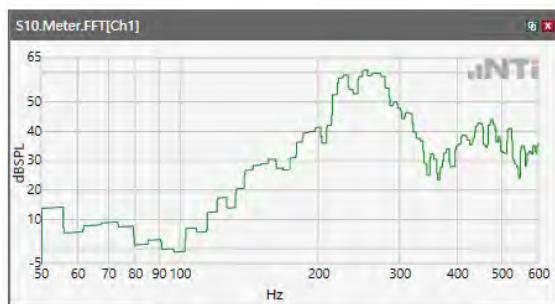
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

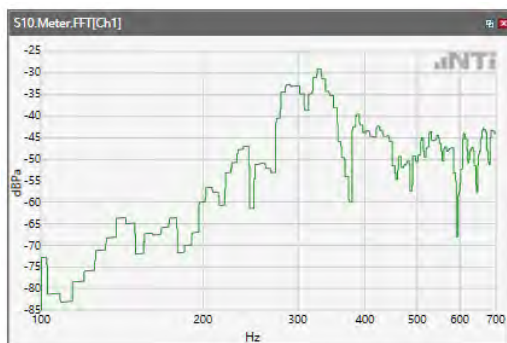


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

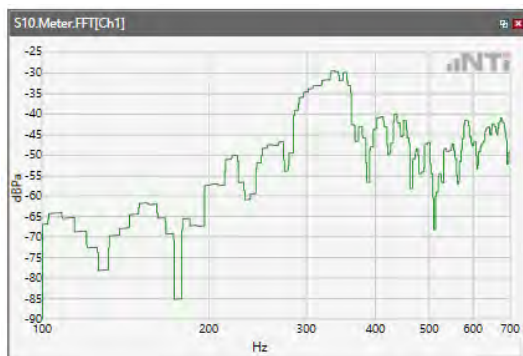


Receive path - distortion and noise 315Hz WB only

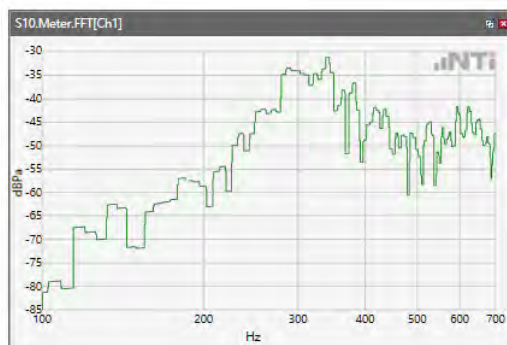
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



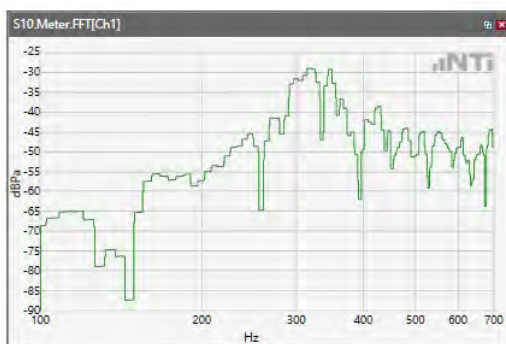
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



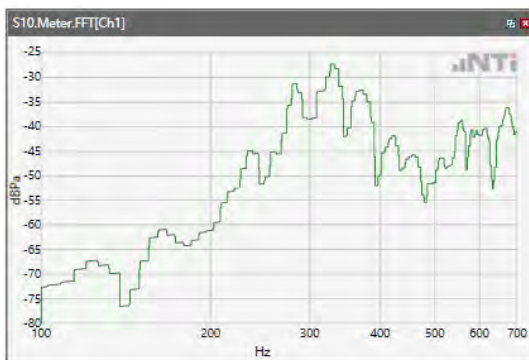
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



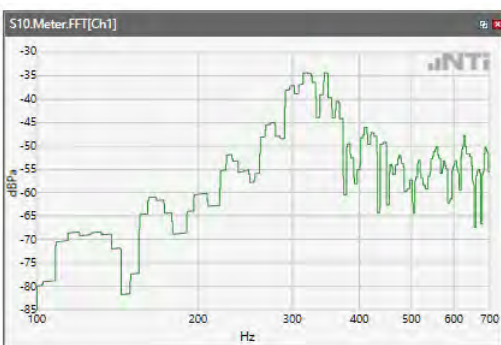
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



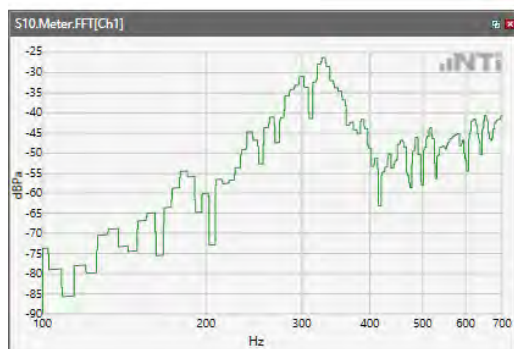
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



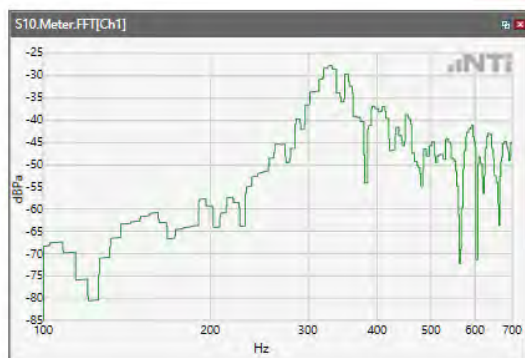
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



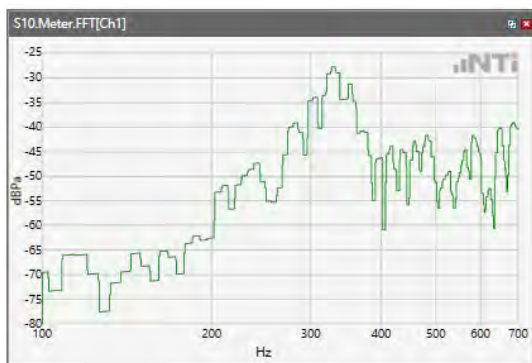
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



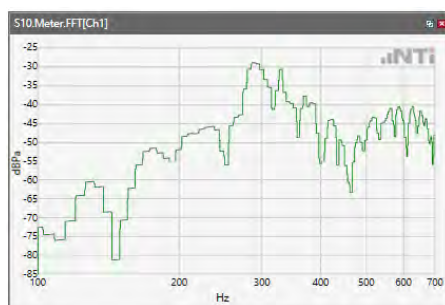
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

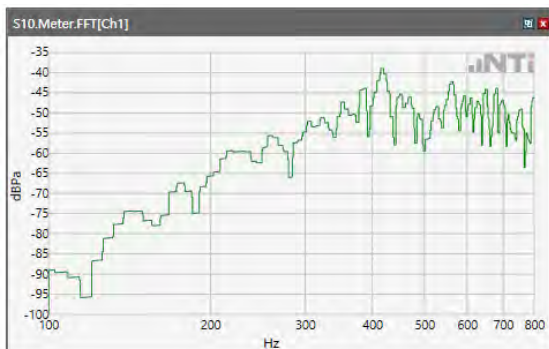


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE
Band 7

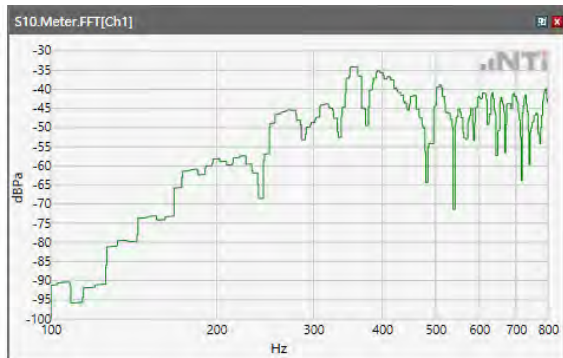


Receive path - distortion and noise 400Hz WB&NB

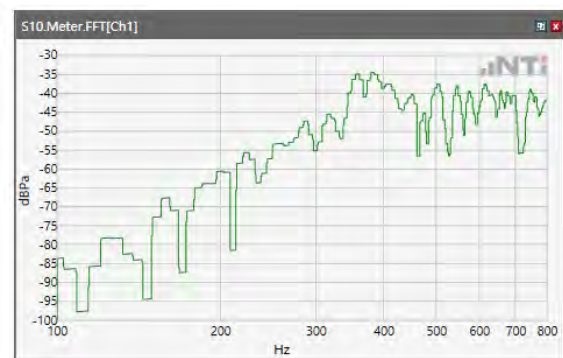
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



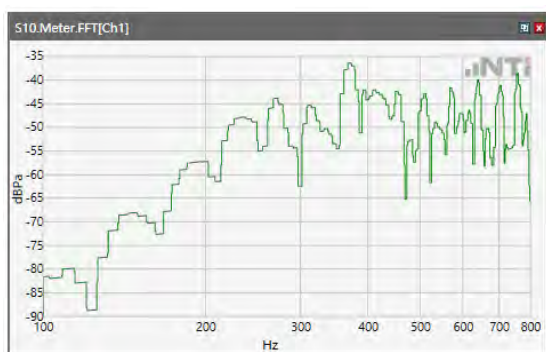
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



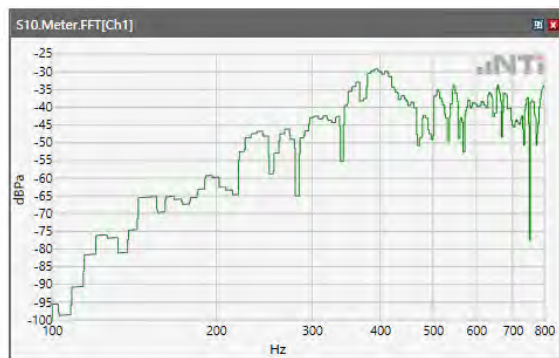
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



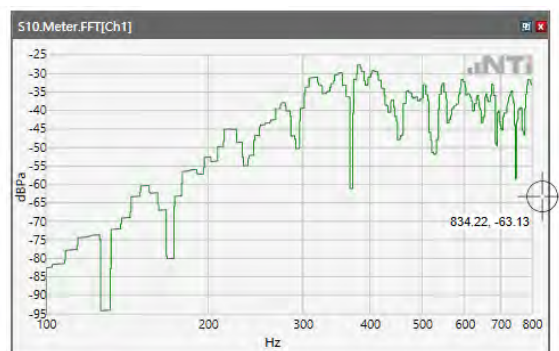
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



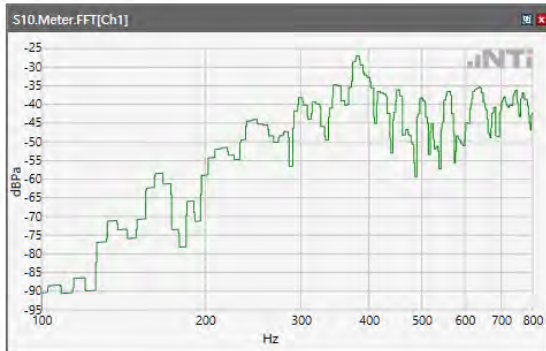
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



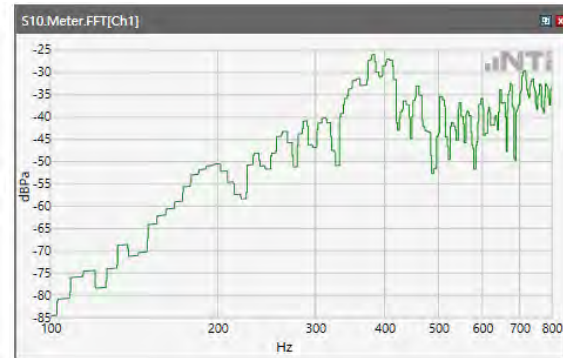
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



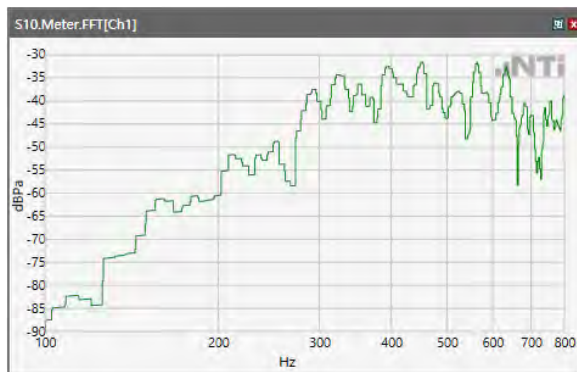
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



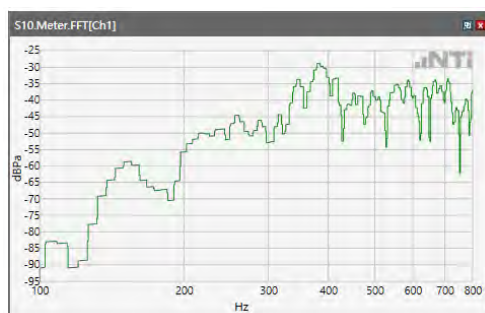
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

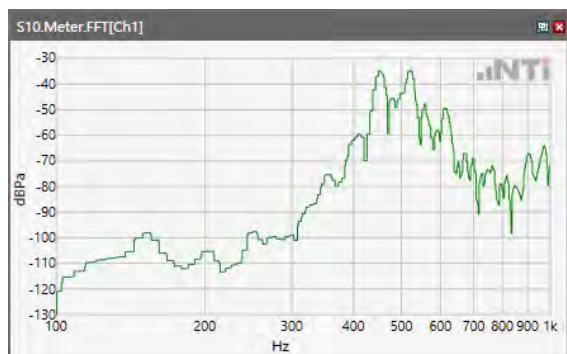


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

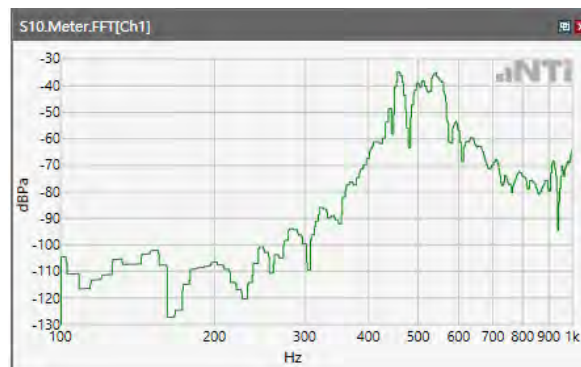


Receive path - distortion and noise 500Hz WB&NB

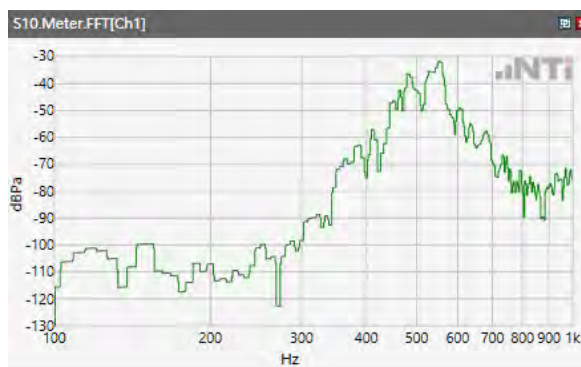
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



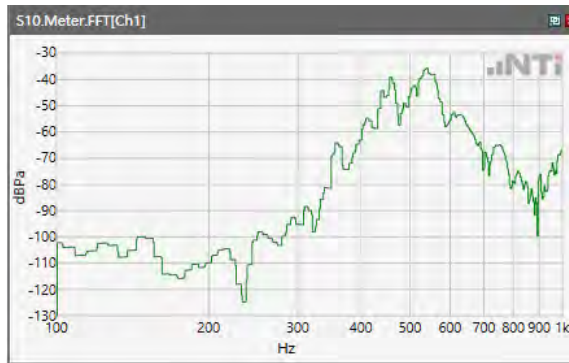
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



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



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



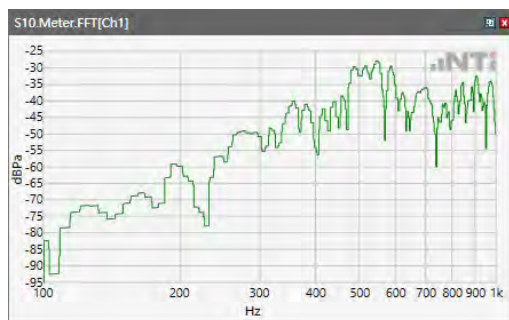
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

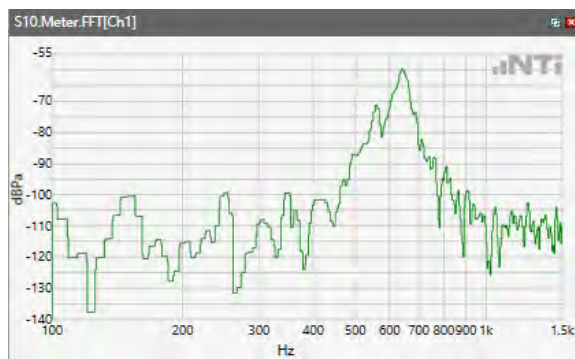


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

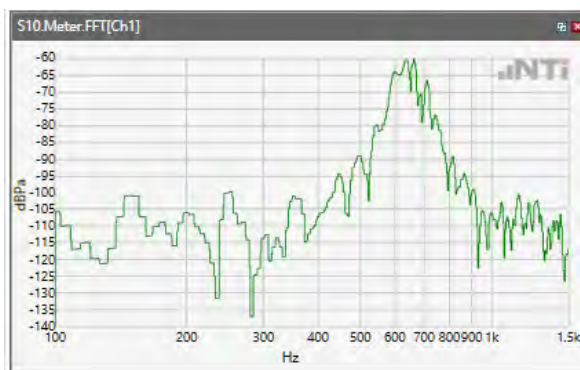


Receive path - distortion and noise 630Hz WB&NB

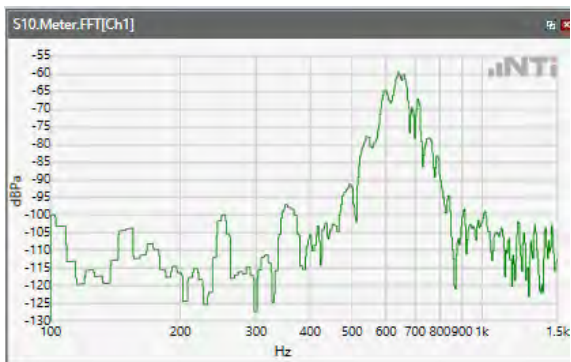
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



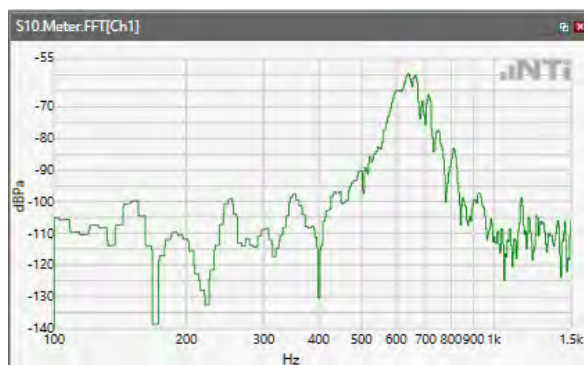
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



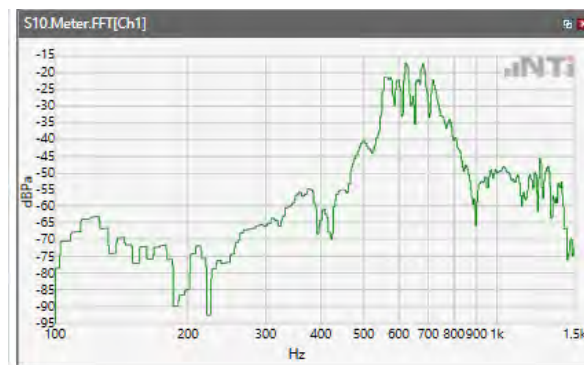
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



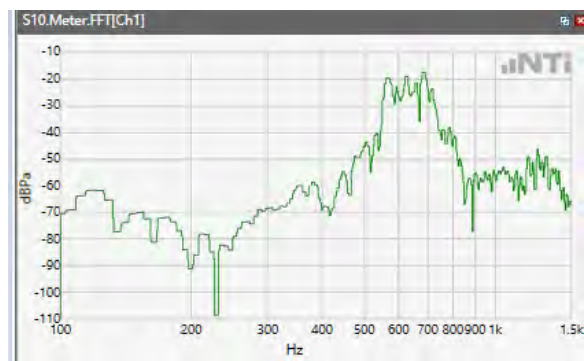
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



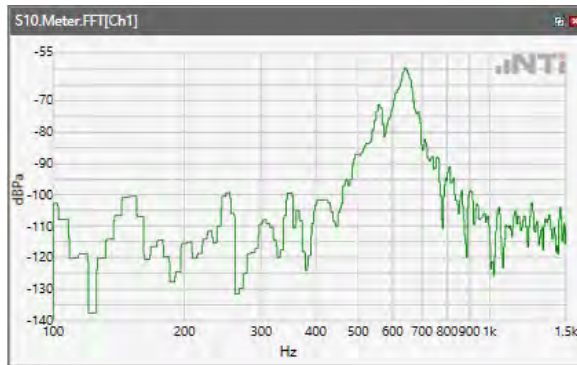
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



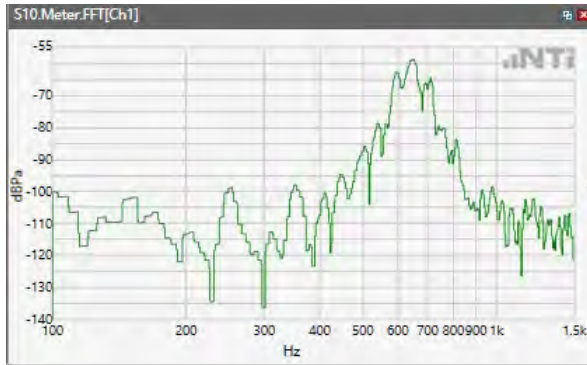
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



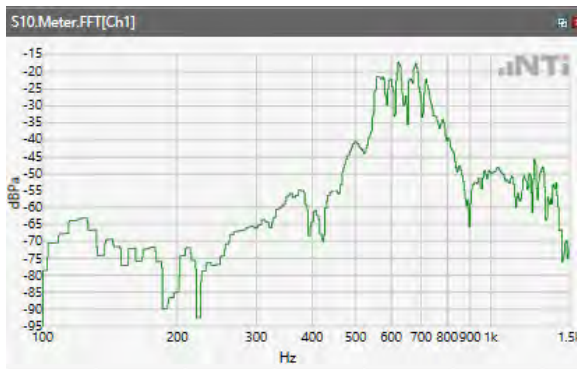
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



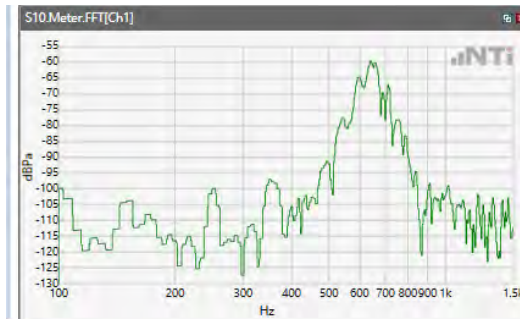
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

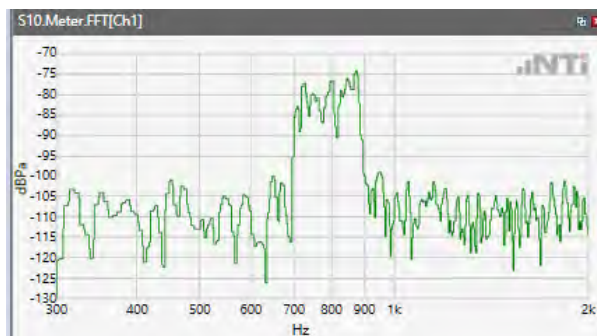


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

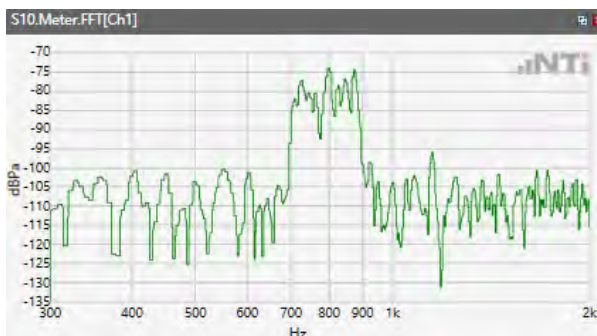


Receive path - distortion and noise 800Hz WB&NB

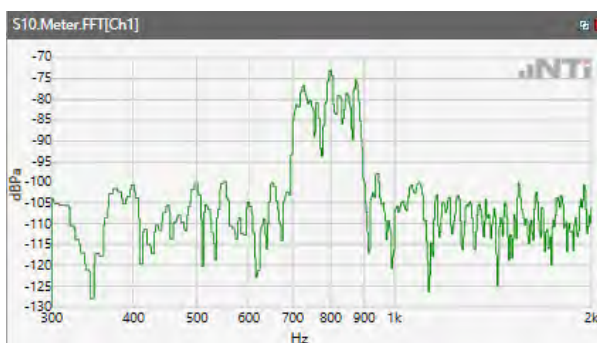
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



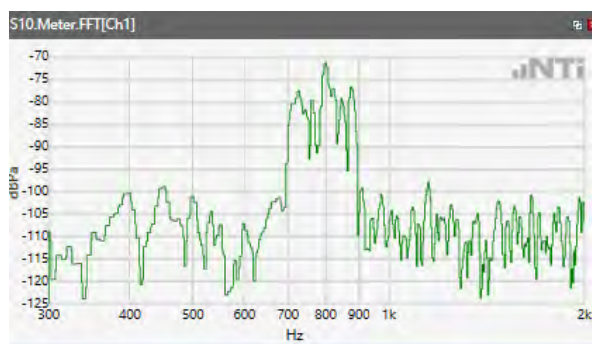
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



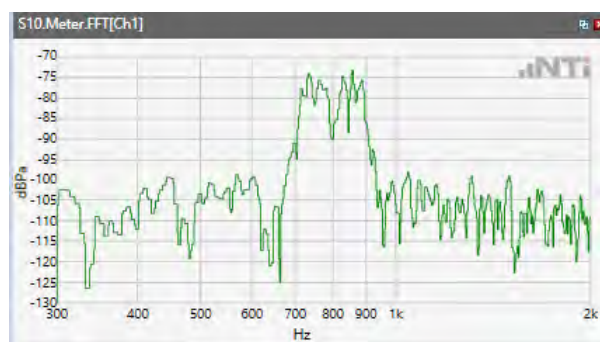
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



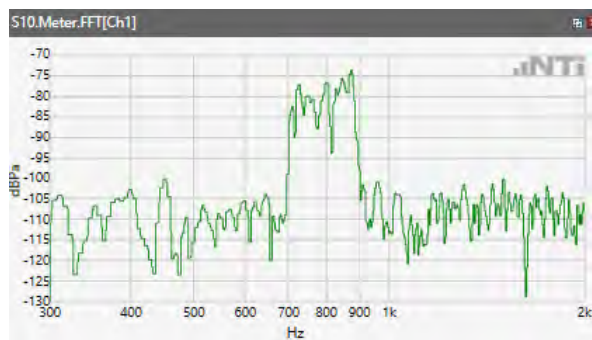
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



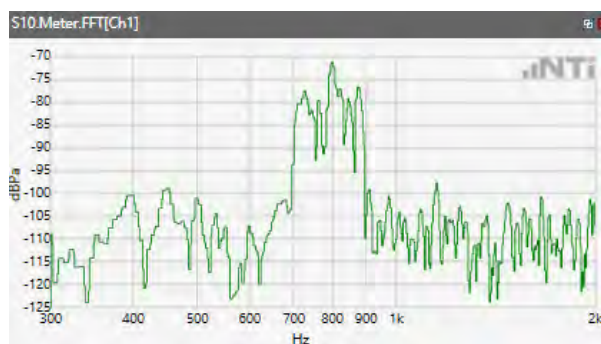
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



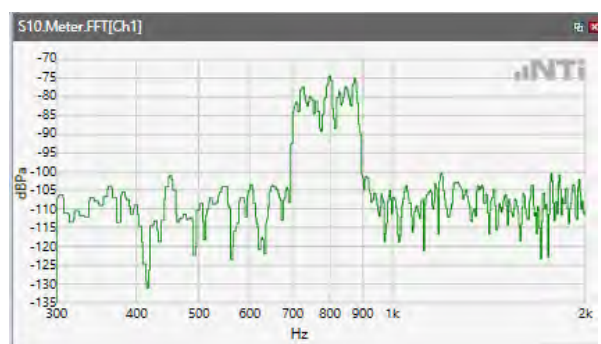
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



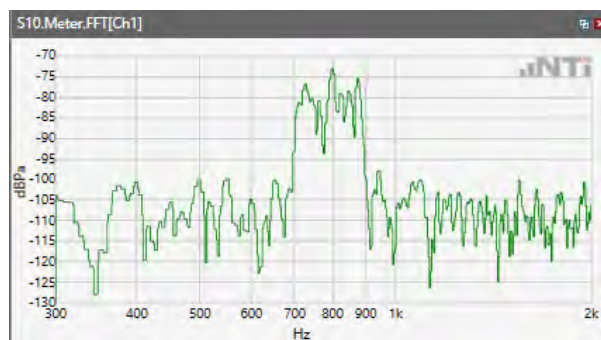
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



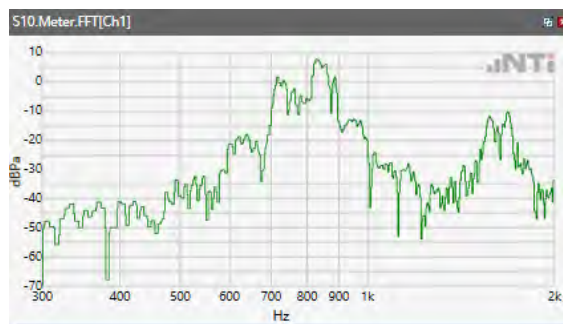
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

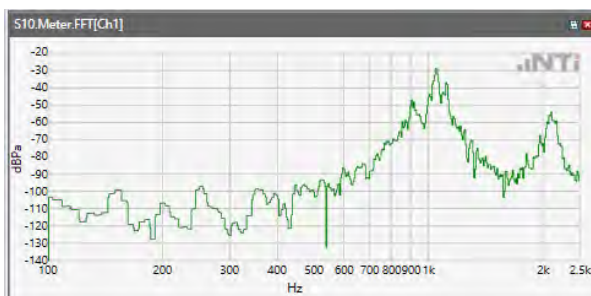


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE
Band 7

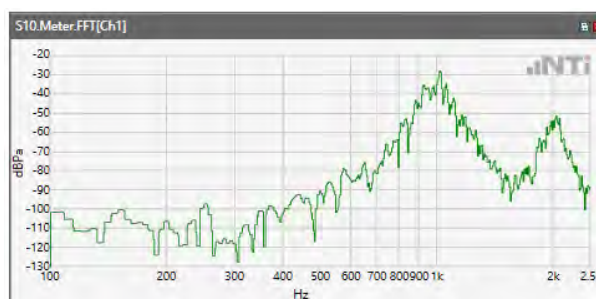


Receive path - distortion and noise 1000Hz WB&NB

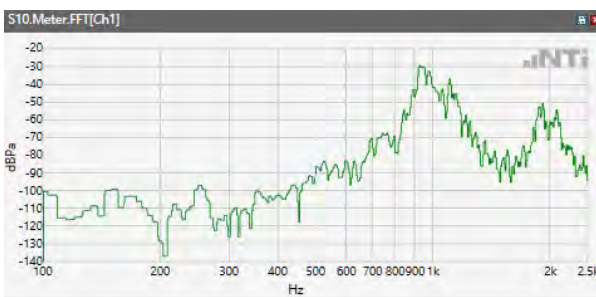
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



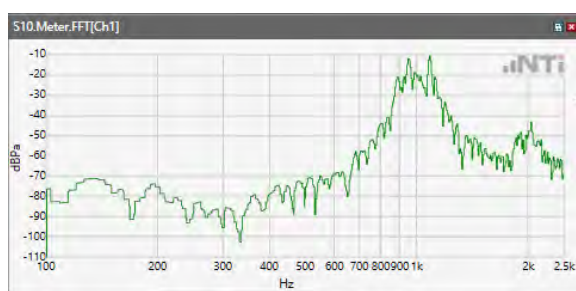
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



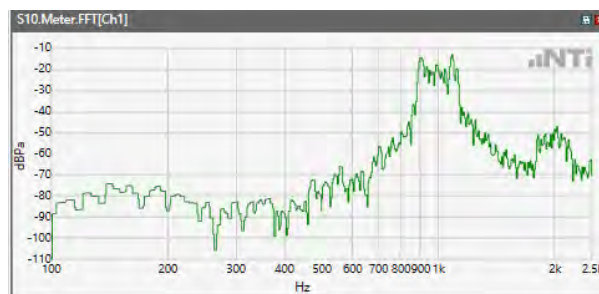
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



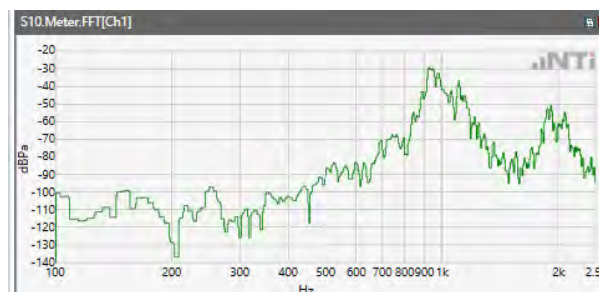
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



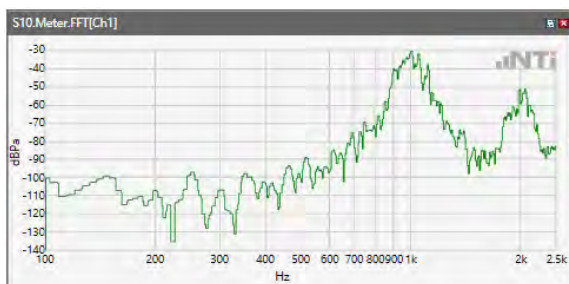
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



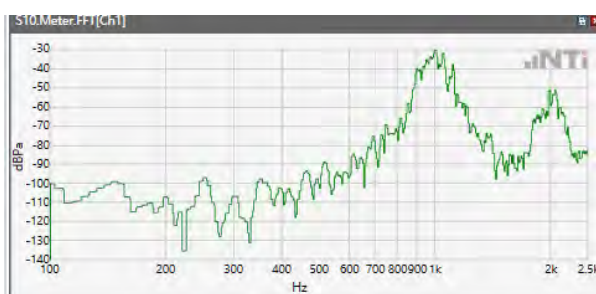
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



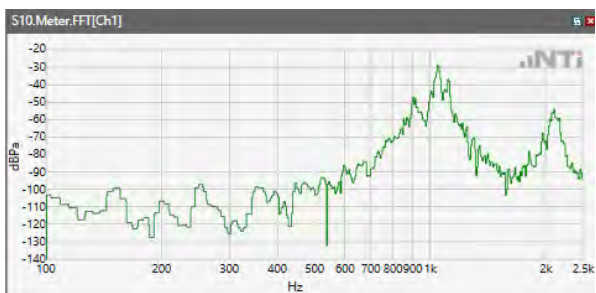
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

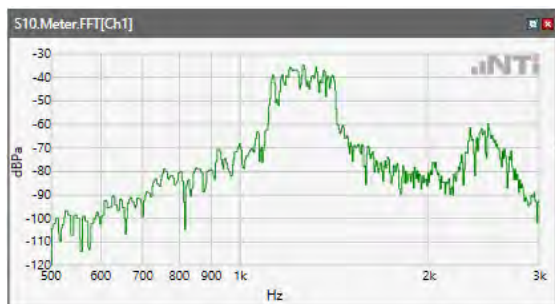


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

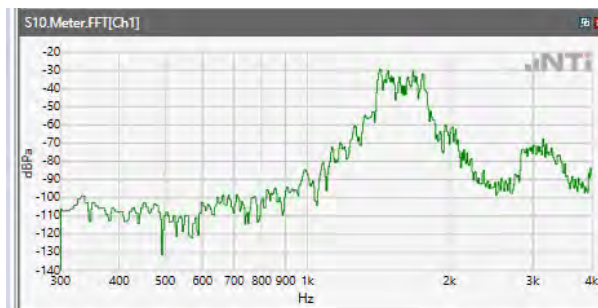


Receive path - distortion and noise 1250Hz WB&NB

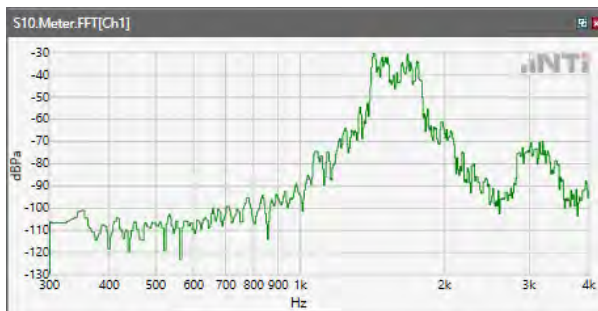
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



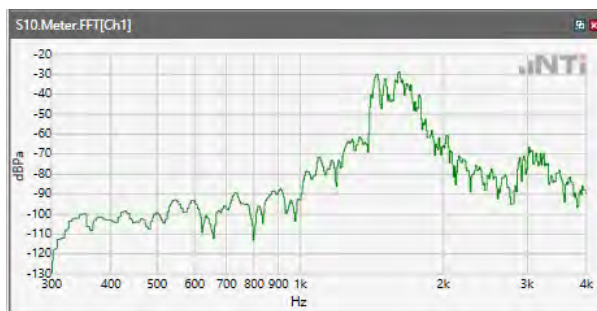
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



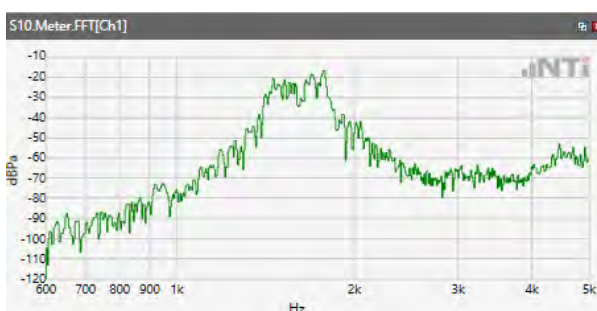
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



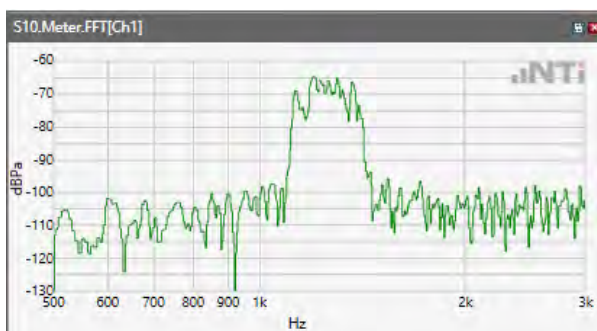
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



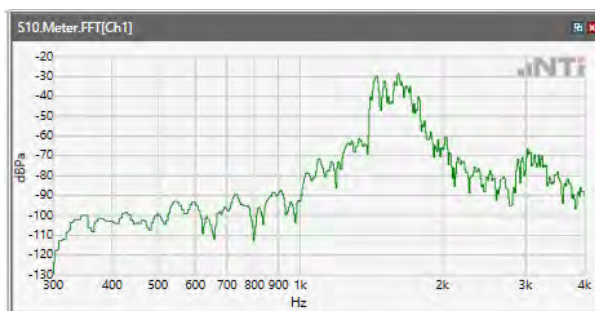
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



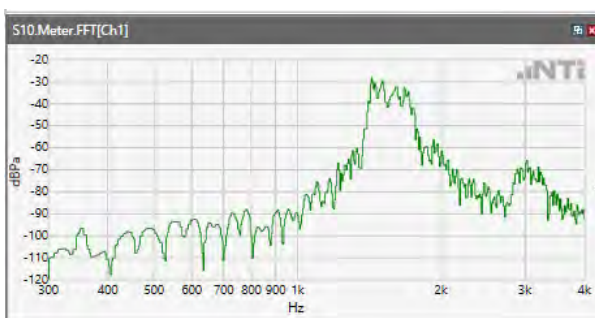
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



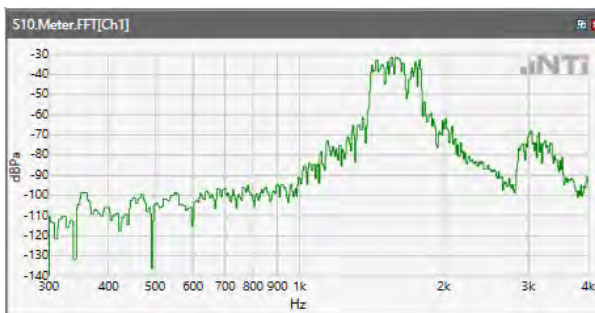
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



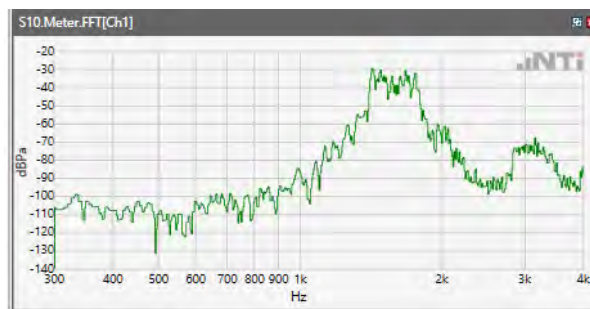
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

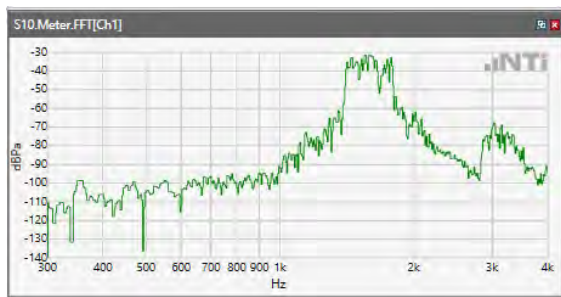


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

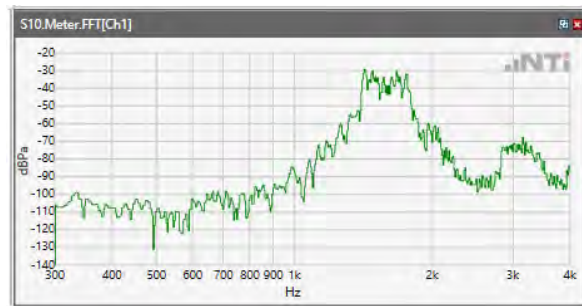


Receive path - distortion and noise 1600Hz WB&NB

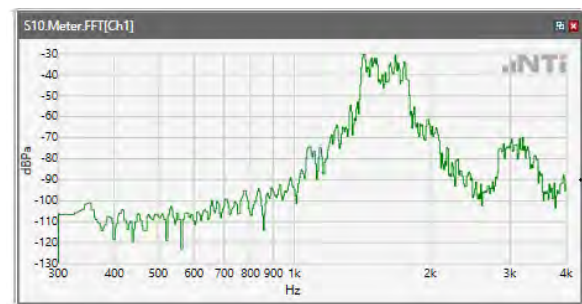
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



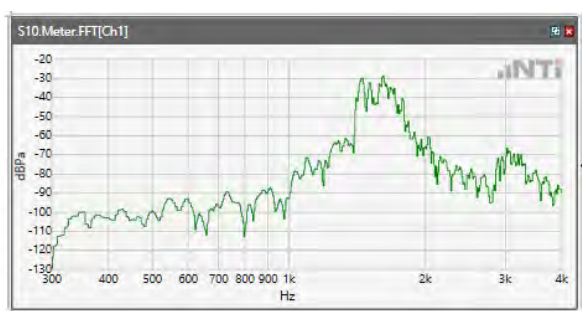
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



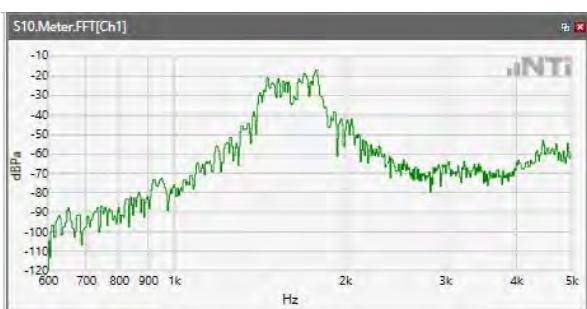
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



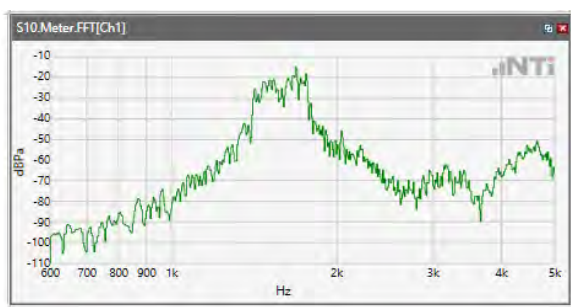
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



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



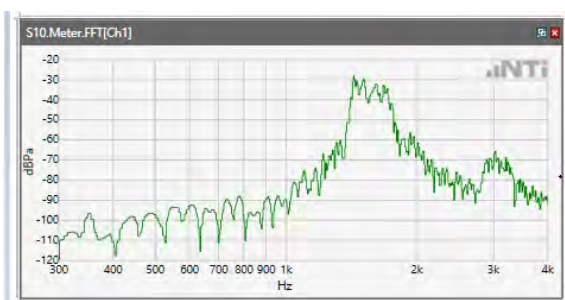
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



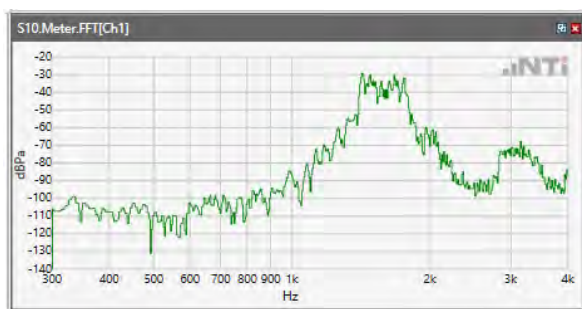
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

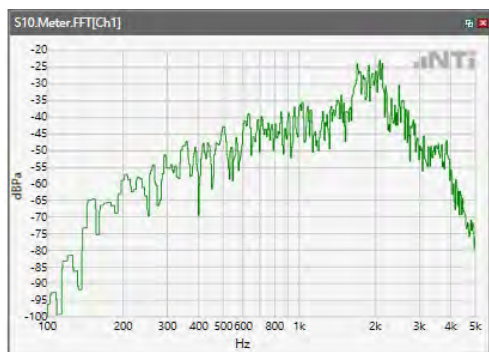


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

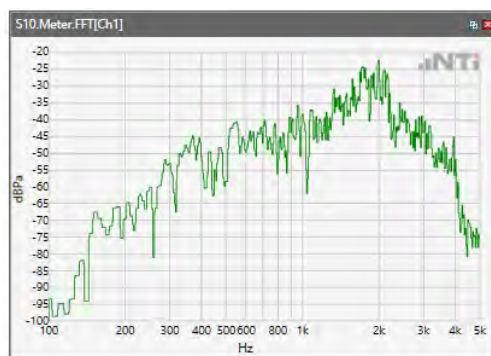


Receive path - distortion and noise 2000Hz WB&NB

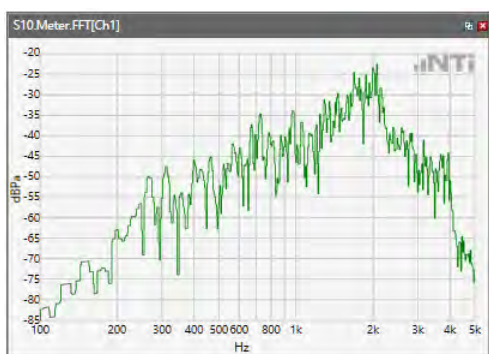
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



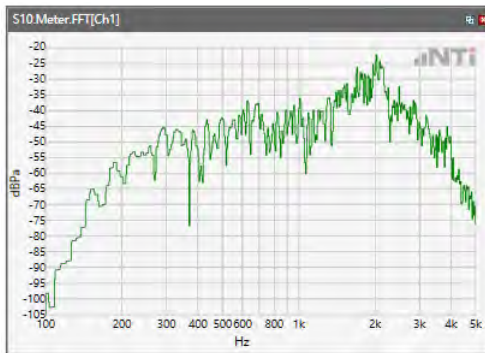
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



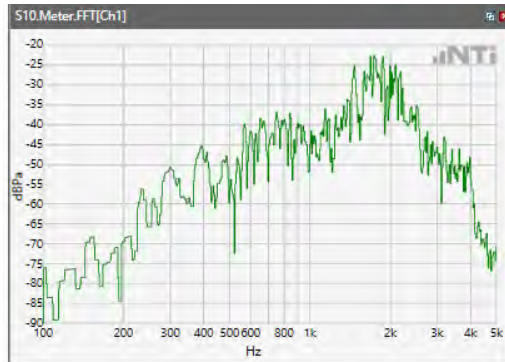
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



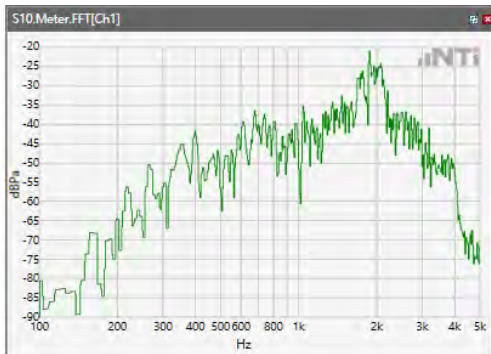
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



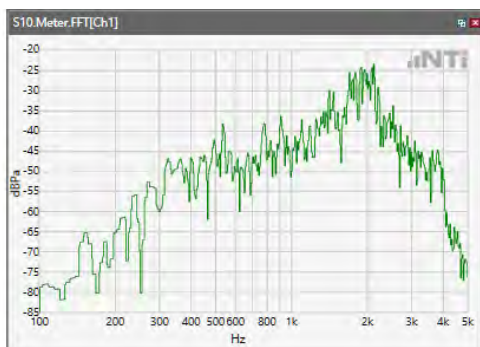
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



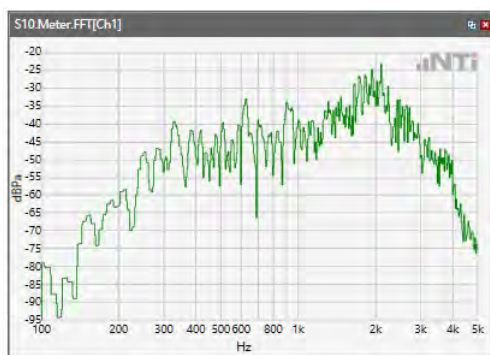
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



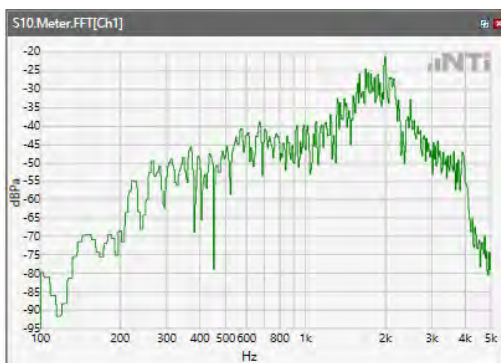
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



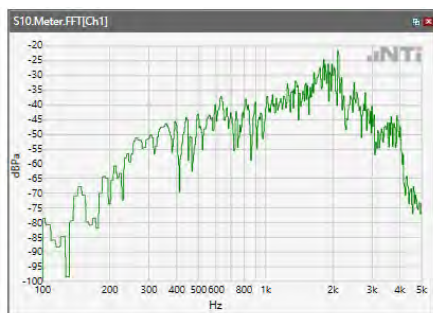
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

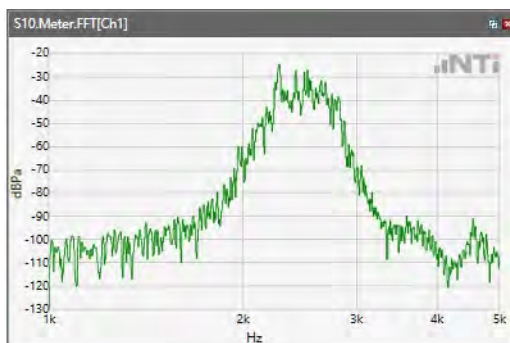


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

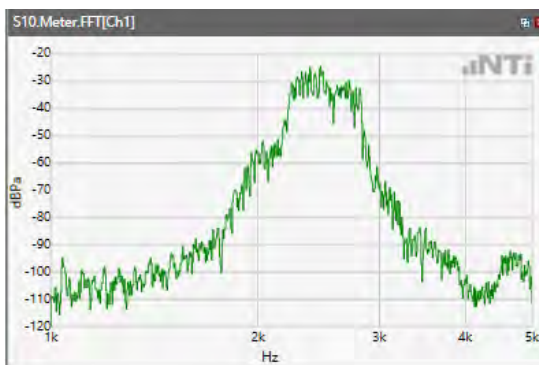


Receive path - distortion and noise 2500Hz WB&NB

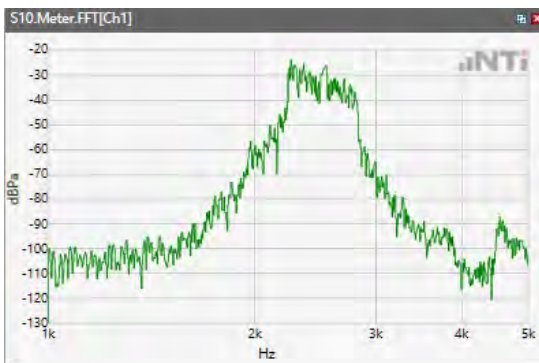
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



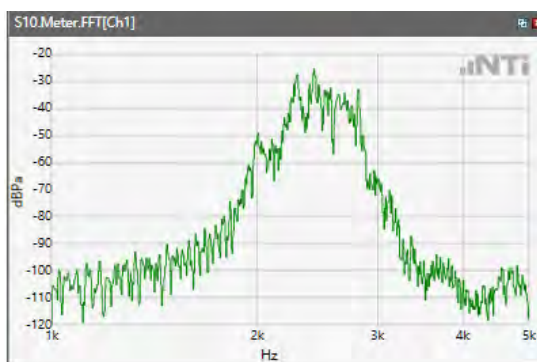
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



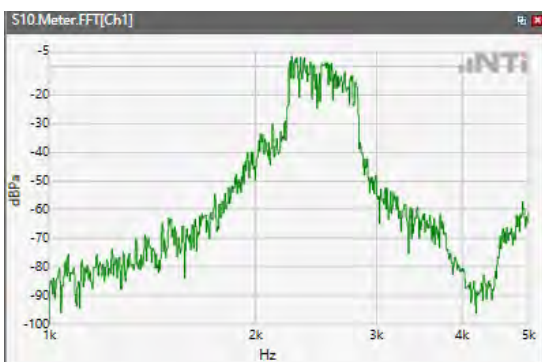
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



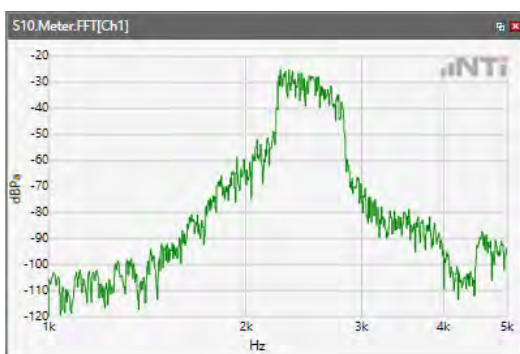
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



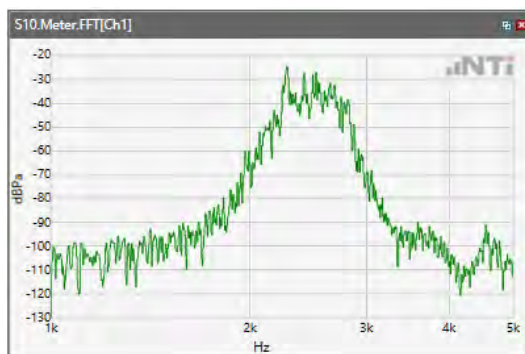
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



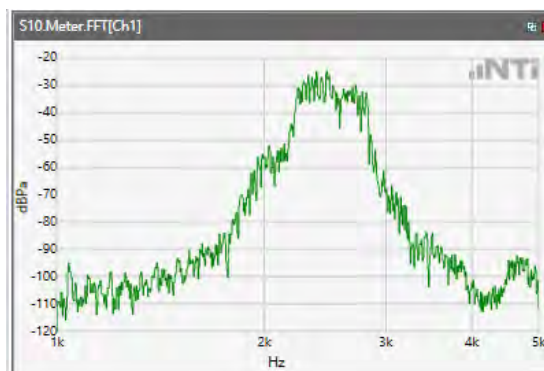
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



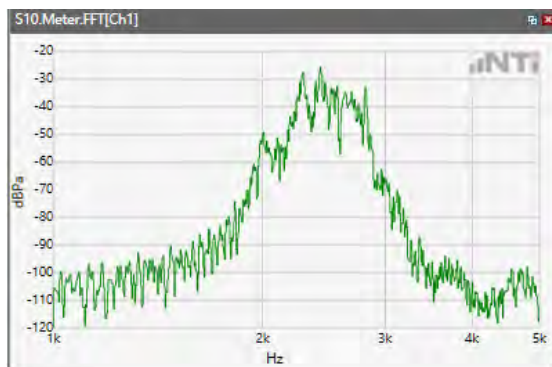
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



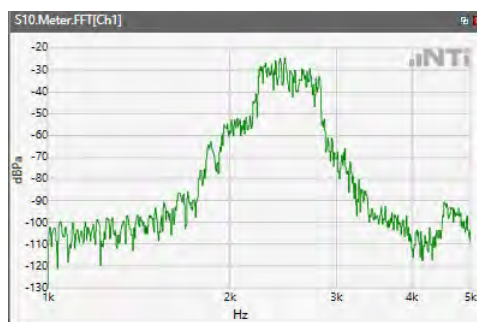
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

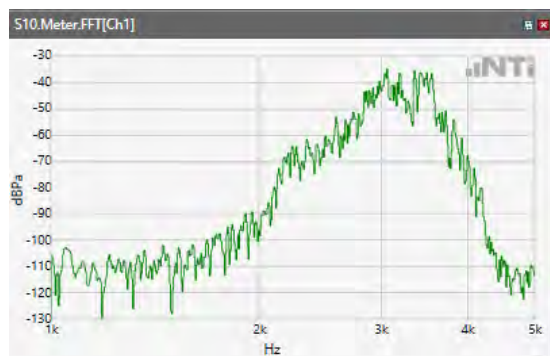


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE
Band 7

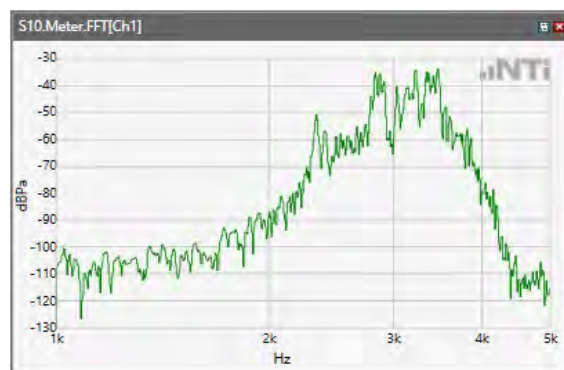


Receive path - distortion and noise 3150Hz WB&NB

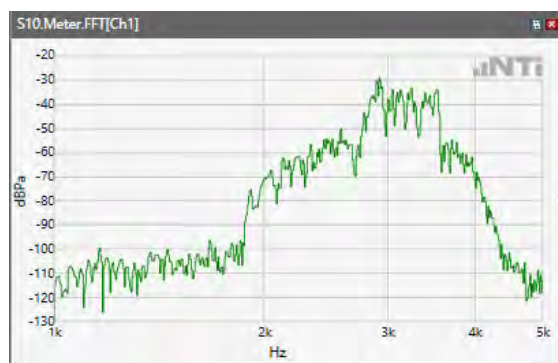
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



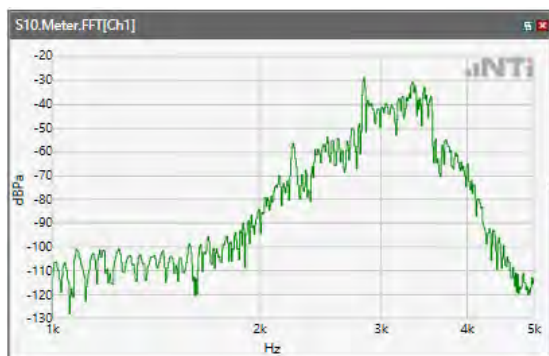
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



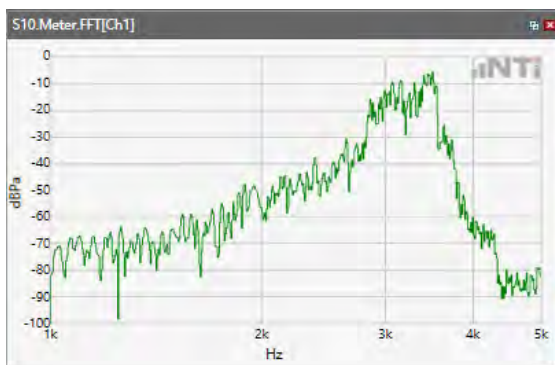
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



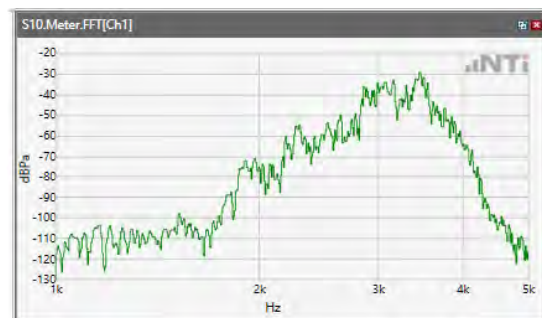
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



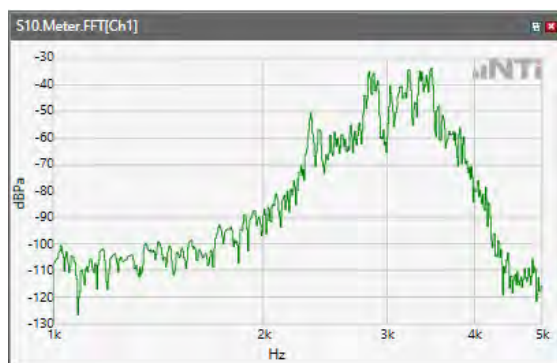
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



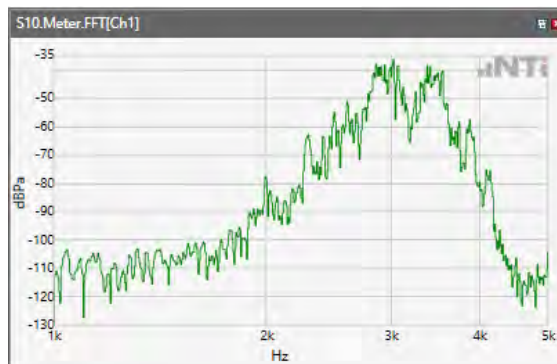
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



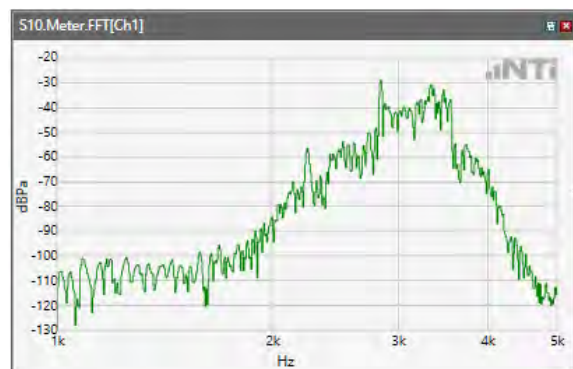
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

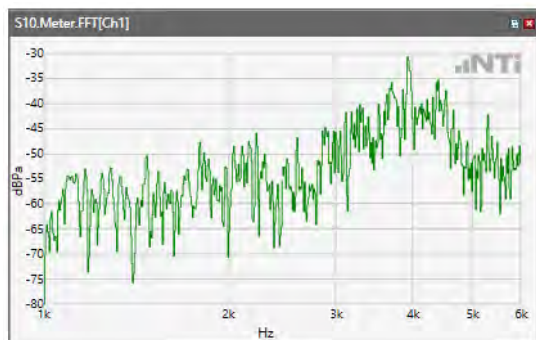


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE
Band 7

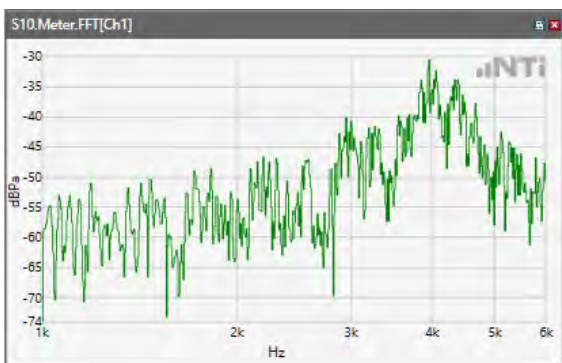


Receive path - distortion and noise 4000Hz WB only

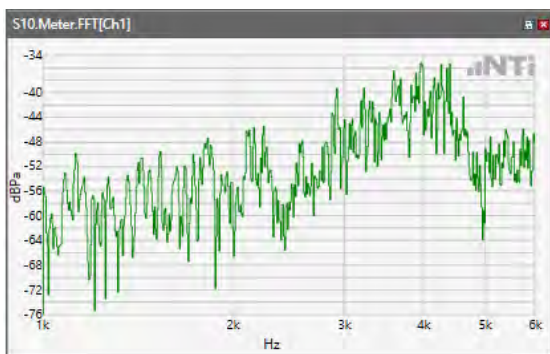
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



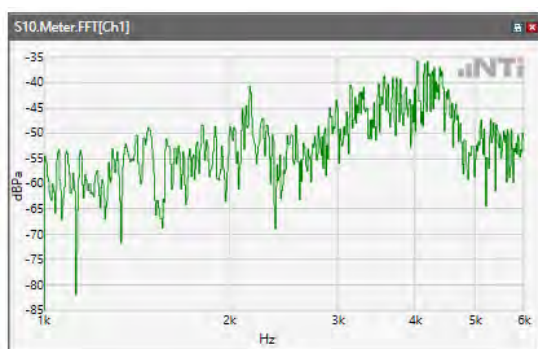
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



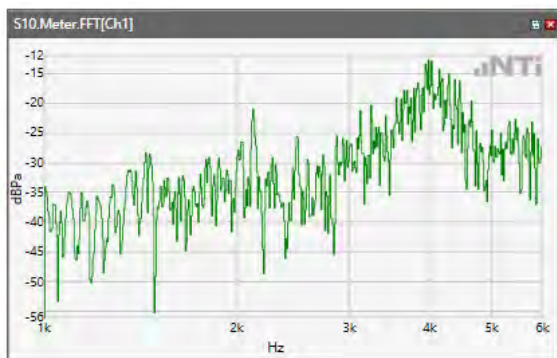
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



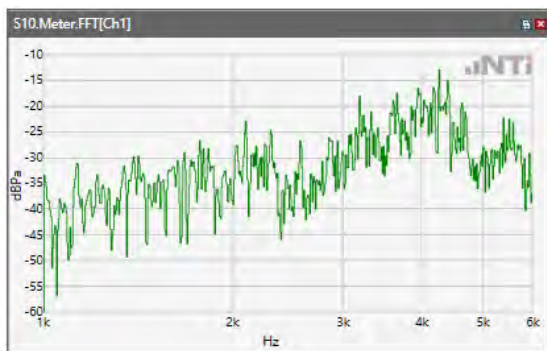
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



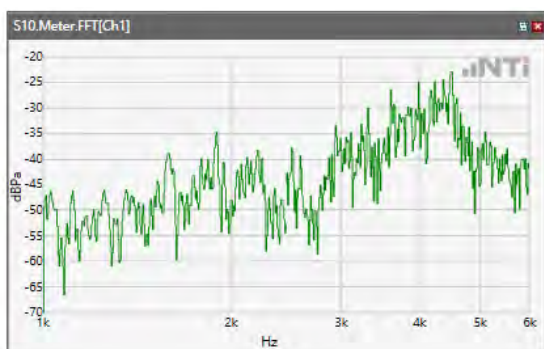
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



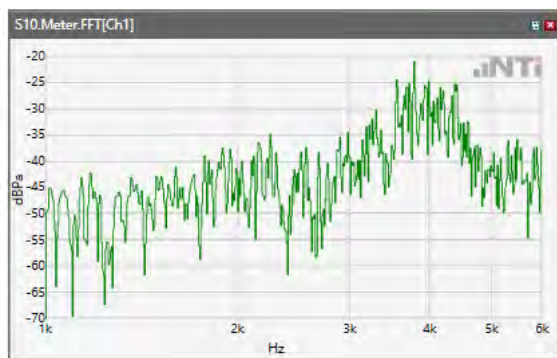
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



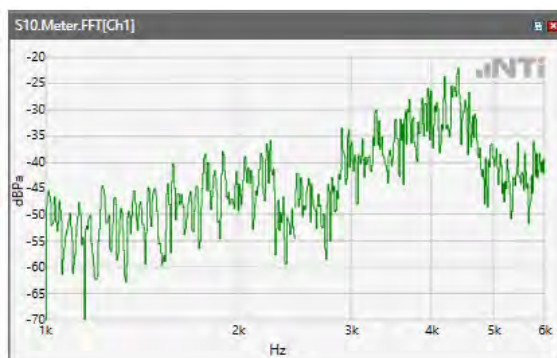
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



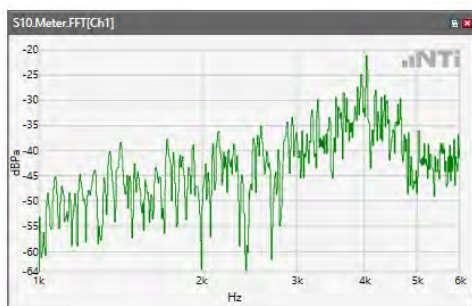
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71

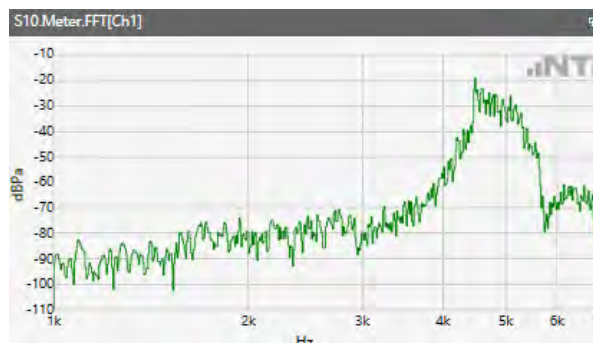


ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

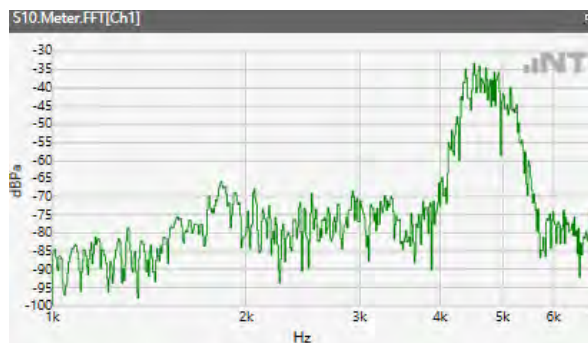


Receive path - distortion and noise 5000Hz WB only

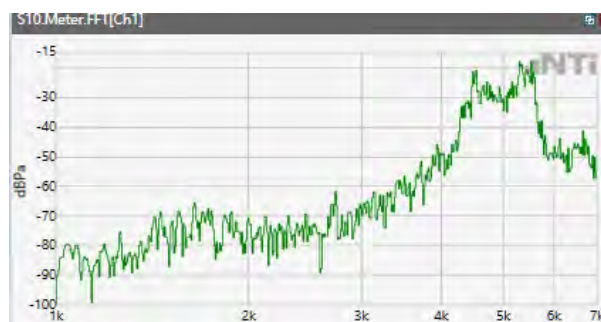
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\GSM 850



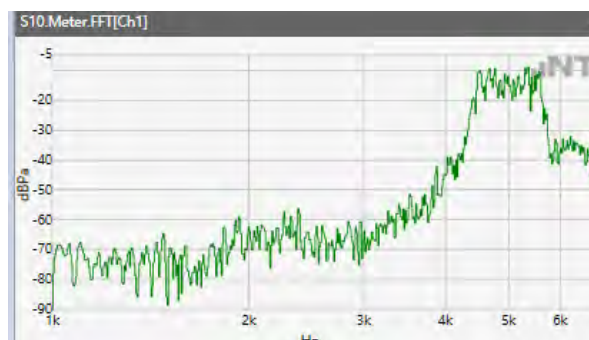
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ GSM 1900



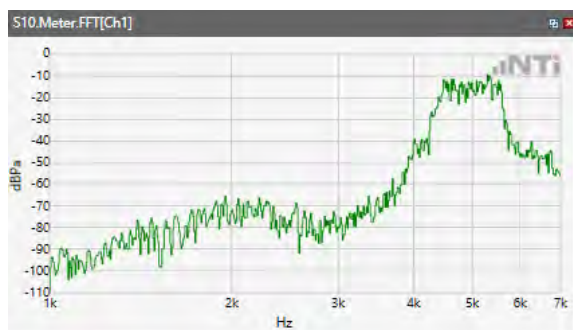
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA II



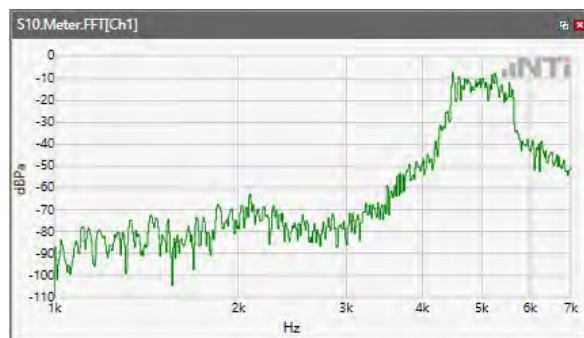
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ WCDMA V



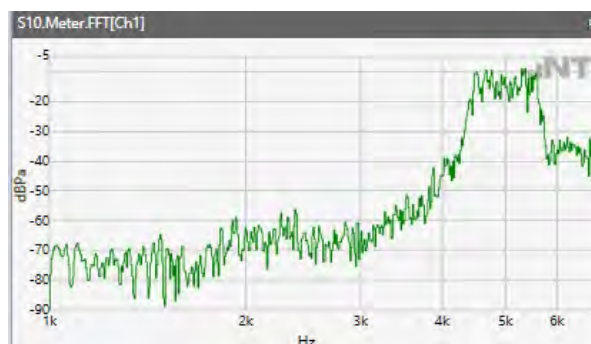
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 2



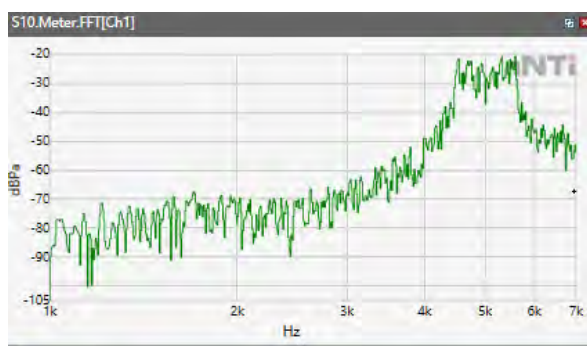
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 5



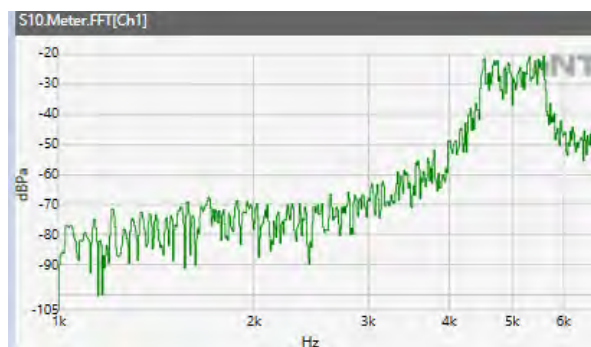
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 12



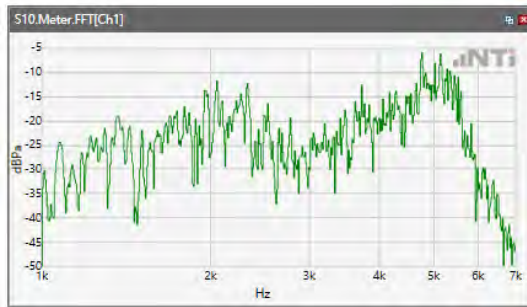
ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE Band 66



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\ LTE BAND 71



ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps\ 5.2 Receive path – distortion and noise\LTE Band 7

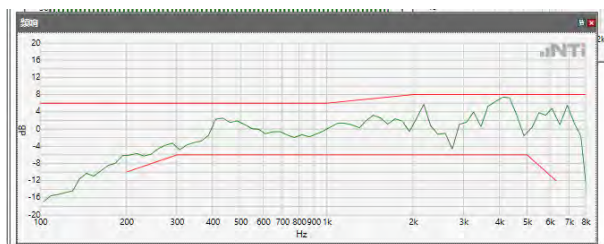


5.2 Receive path – distortion and noise

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

5.3 Receive Acoustic Frequency response Performance

ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps \GSM 850



Absolute minimal distance

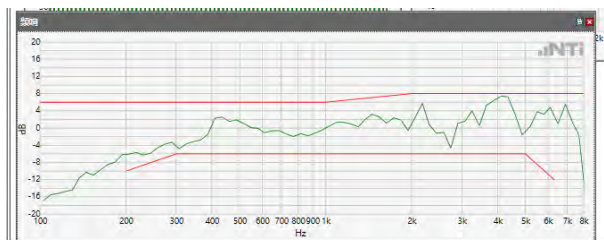
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps \GSM 1900



Absolute minimal distance

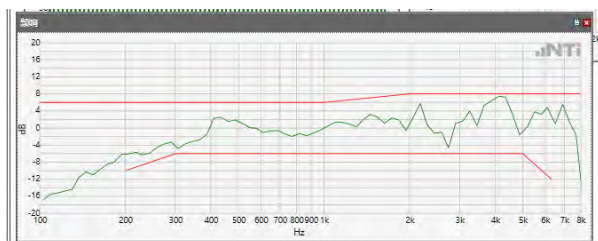
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

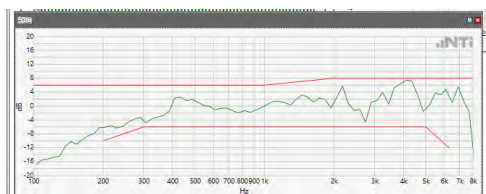
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

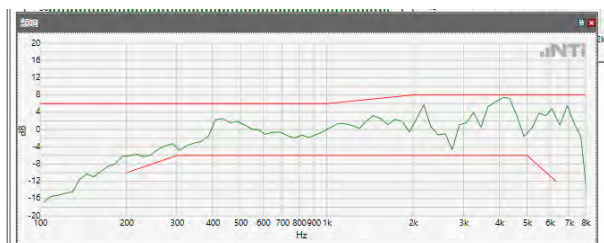
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

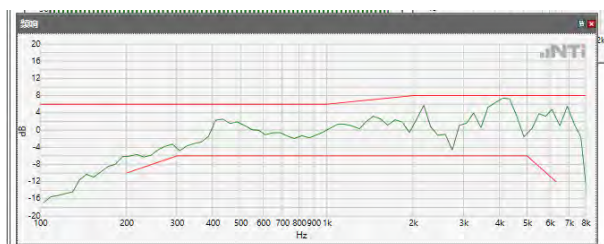
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps \ LTE Band 5



Absolute minimal distance

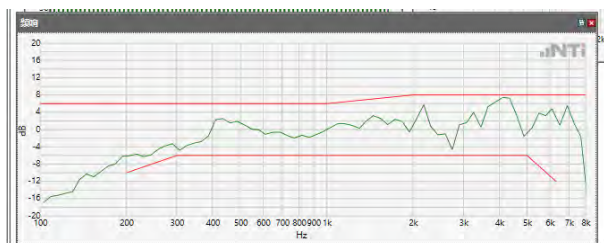
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

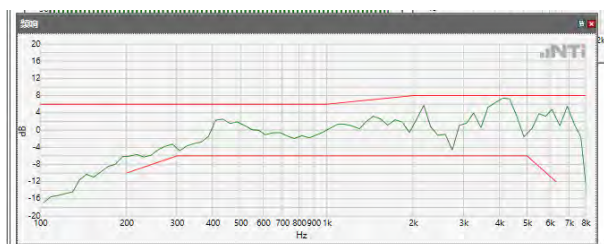
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

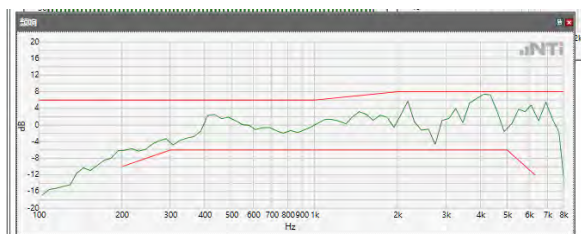
OK

OK

Limits

	lower
Run 1	Fit into tolerance

ANSI/TIA 5050-2018 \ 2N HAC ON \ WB 23.85 kbps \ LTE BAND 71



Absolute minimal distance

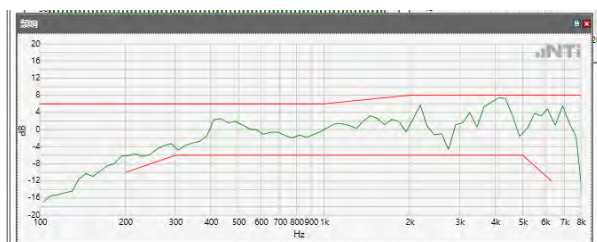
OK

OK

Limits

	lower
Run 1	Fit into tolerance

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



Absolute minimal distance

OK

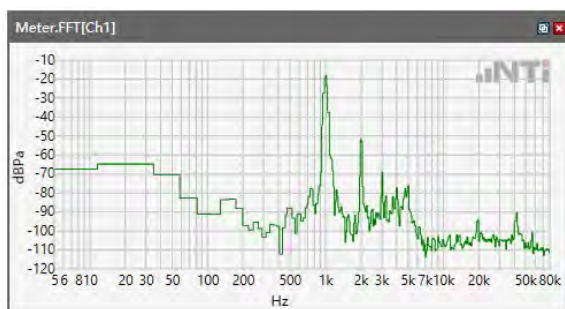
OK

Limits

	lower
Run 1	Fit into tolerance

5.1 Receive Volume Control Performance 2N---EVS NB

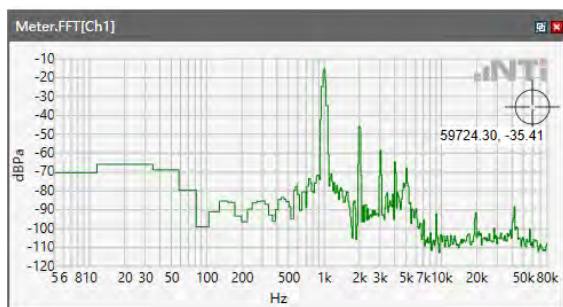
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS NB 24.4 kbps\LTE Band 2



Speech Level RCV: 92.26 dB[SPL]

Calculated Value: 22.26 dB Ok

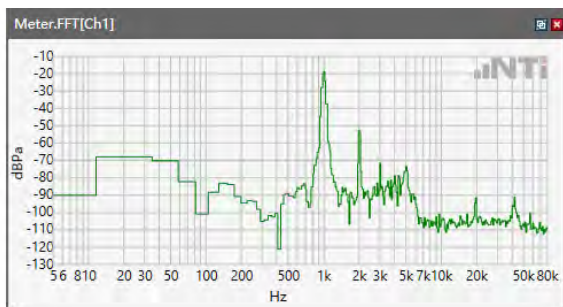
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS NB 24.4 kbps\LTE Band 5



Speech Level RCV: 91.55 dB[SPL]

Calculated Value: 21.55 dB Ok

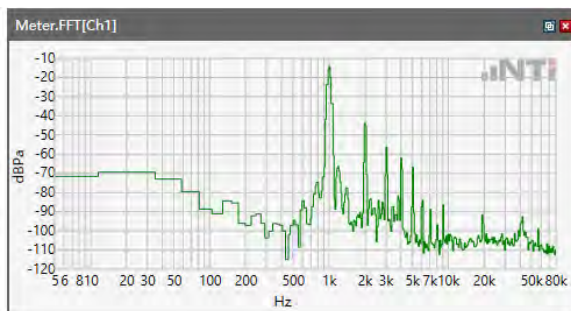
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS NB 24.4 kbps\LTE Band 12



Speech Level RCV: 91.74 dB[SPL]

Calculated Value: 21.74 dB Ok

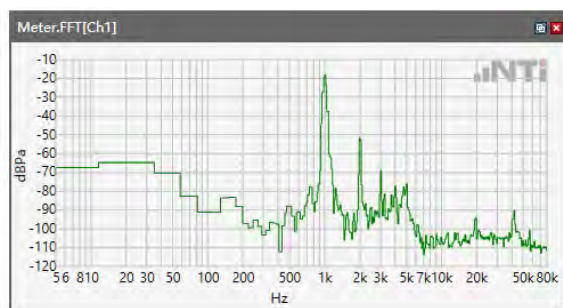
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS NB 24.4 kbps\LTE Band 66



Speech Level RCV: 96.26 dB[SPL]

Calculated Value:26.26 dB Ok

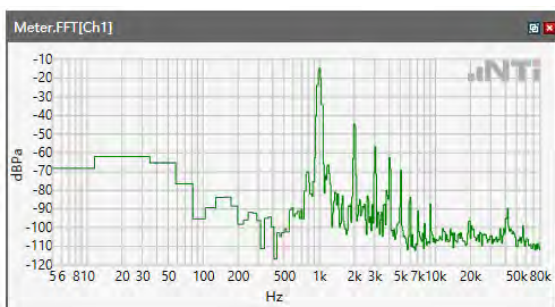
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS NB 24.4 kbps\LTE BAND 71



Speech Level RCV: 91.44 dB[SPL]

Calculated Value: 21.44 dB Ok

ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS NB 24.4 kbps\LTE Band 7

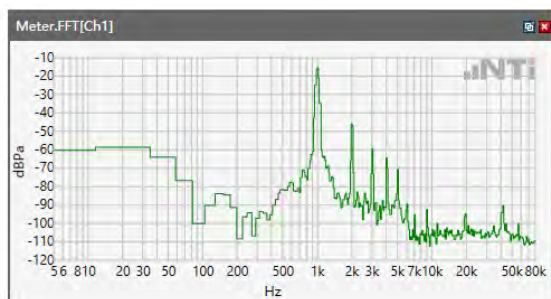


Speech Level RCV: 91.83 dB[SPL]

Calculated Value: 21.83 dB Ok

5.1 Receive Volume Control Performance 2N---EVS WB

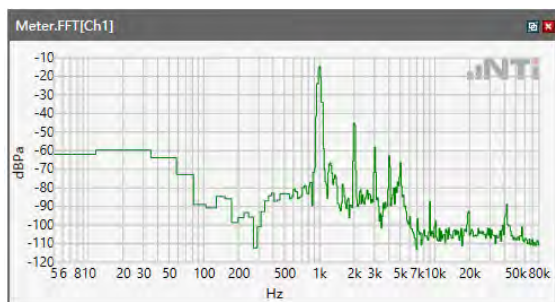
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS WB 128 kbps\LTE Band 2



Speech Level RCV: 91.05 dB[SPL]

Calculated Value: 21.05 dB Ok

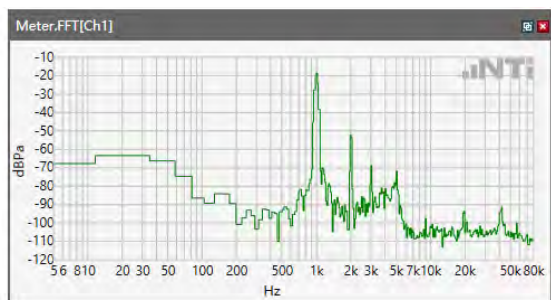
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS WB 128 kbps\LTE Band 5



Speech Level RCV: 90.39 dB[SPL]

Calculated Value: 20.39 dB Ok

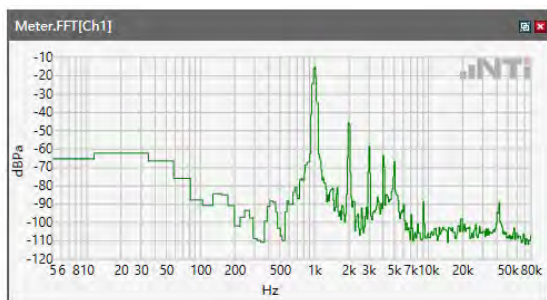
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS WB 128 kbps\LTE Band 12



Speech Level RCV: 90.51 dB[SPL]

Calculated Value: 20.51 dB Ok

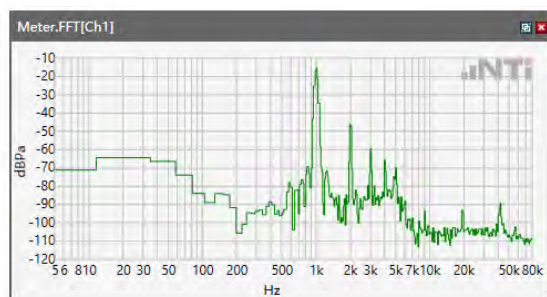
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS WB 128 kbps\LTE Band 66



Speech Level RCV: 90.68 dB[SPL]

Calculated Value: 20.68 dB Ok

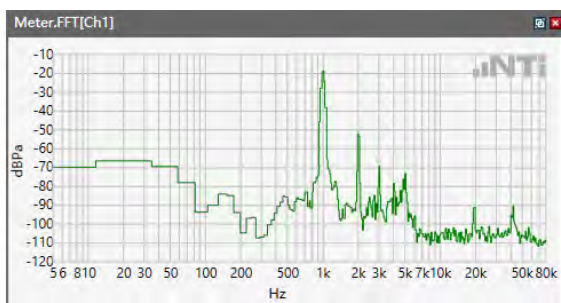
ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS WB 128 kbps\LTE BAND 71



Speech Level RCV: 90.57 dB[SPL]

Calculated Value: 20.57 dB Ok

ANSI/TIA 5050-2018 \ 2N HAC ON \ EVS WB 128 kbps\LTE Band 7



Speech Level RCV: 90.86 dB[SPL]

Calculated Value: 20.86 dB Ok