

7.7 CONDUCTED BAND EDGE

7.7.1 Applicable Standard

According to FCC Part 2.1051 and FCC Part 22.917(a) and 24.238(a) and FCC KDB 971168 D01 Section6.0

7.7.2 Conformance Limit

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P) dB$.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows FCC KDB 971168 v03 Section 6.0.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The band edges of low and high channels for the highest RF powers were measured.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

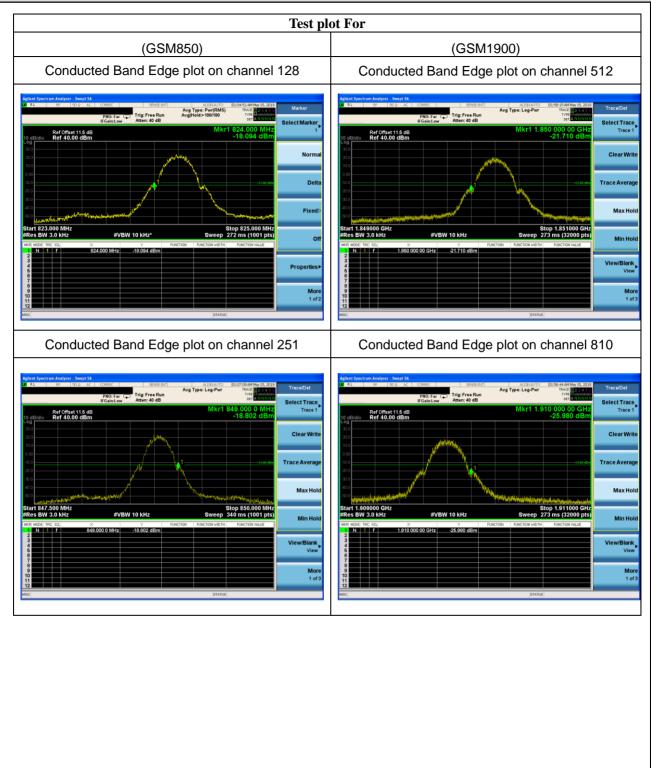
- = P(W) [43 + 10log(P)] (dB)
- $= [30 + 10\log(P)] (dBm) [43 + 10\log(P)] (dB)$
- = -13dBm.

7.7.6 Test Results

EUT:	Mobile Phone	Model No.:	GQ3082	
Temperature:	20 ℃	Relative Humidity:	48%	
Test Mode:	GSM/GPRS 850/ GSM/GPRS 1900/ UMTS band II/ UMTS band V/ UMTS band IV		Cheng Jiawen	
Results: PASS				

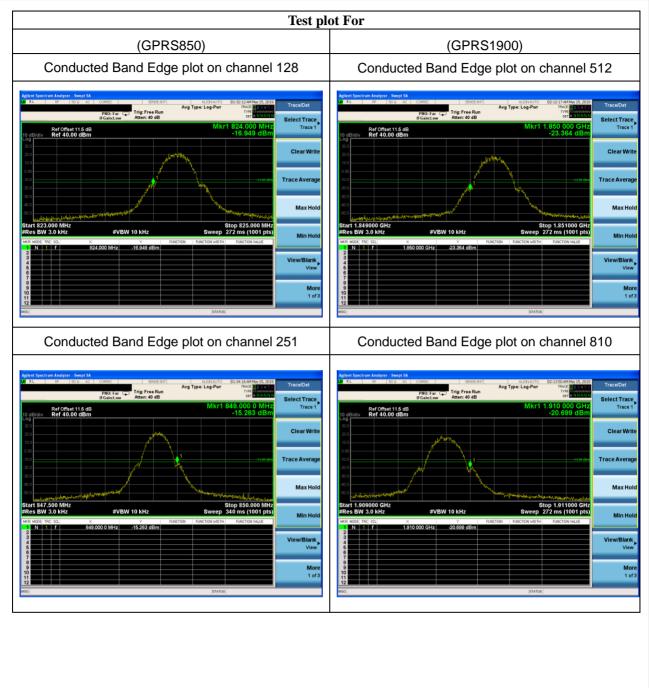
Report No.: S19050903605004





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Test plot For					
UMTS Band V Conducted Band Edge plot on channel 4132	UMTS Band II Conducted Band Edge plot on channel 9262				
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Conducted Band Edge plot on channel 4233 Conducted Band Edge plot on channel 9538					
Adjust Synchronic Markery - Swart Ski Source Ski 2 Fill: 900: AC PR0: Walk Trig: Free Run Bi Galk.ow Arg Type: Log-Pwr Trig: Free Run Arg Type: Log-Pwr 10 dickdry Ref Offset 11.5 dl 10 dickdry Re	Algent bestran Andyner, heryf M Owner Mit Algent bestran Owner Mit Peak Sarch I Bill IPO 000 CFL IPO 000 CFL Algent bestran Algent bestran Peak Sarch Next Peak I Bill IPO 000 CFL IPO 000 CFL Algent bestran Algent bestran Peak Sarch Next Peak I Bill IPO 000 CFL IPO 000 CFL IPO 000 CFL IPO 000 CFL Next Peak I Bill IPO 000 CFL IPO 000 CFL IPO 000 CFL IPO 000 CFL Next Peak I Bill IPO 000 CFL IPO 000 CFL IPO 000 CFL IPO 000 CFL Next Peak I Di Bill IPO 000 CFL IPO 000 CFL IPO 000 CFL Next Pk Left Next Pk Left I Di Bill IPO 000 CFL				





7.8 CONDUCTED SPURIOUS EMISSION AT ANTENNA TERMINAL

7.8.1 Applicable Standard

According to FCC Part 2.1051 and FCC Part 22.917(a) and Part 24.238(a) and FCC KDB 971168 D01 Section6.0

7.8.2 Conformance Limit

including its 10th harmonic.

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows FCC KDB 971168 v03 Section 6.0.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The middle channel for the highest RF power within the transmitting frequency was measured.

The conducted spurious emission for the whole frequency range was taken.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

= P(W) - [43 + 10log(P)] (dB)

 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$ = -13dBm.

7.8.6 Test Results

EUT:	Mobile Phone	Model No.:	GQ3082		
Temperature:	20 °C	Relative Humidity:	48%		
Test Mode:	GSM/GPRS 850/ GSM/GPRS 1900/ UMTS band II/ UMTS band V/ UMTS Band IV		Cheng Jiawen		
Results: PASS					



