



FCC RF Test Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : LTE Digital Mobile Phone
BRAND NAME : ZTE
MODEL NAME : Z6530V
FCC ID : SRQ-Z6530V
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L), 27(F)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

This is a data re-used report which is only valid together with the original test report. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

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APPENDIX A. REFERENCE REPORT



1 General Description

1.1 Applicant

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.2 Manufacturer

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.3 Product Feature of Equipment Under Test

| Product Feature | |
|--|---|
| Equipment | LTE Digital Mobile Phone |
| Brand Name | ZTE |
| Model Name | Z6530V |
| FCC ID | SRQ-Z6530V |
| EUT supports Radios application | LTE/NFC/FM Receiver/GNSS WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 5GHz 802.11n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR / EDR / LE |
| HW Version | Z6530VHW1.0 |
| SW Version | Z6530VV1.0.0B01 |
| EUT Stage | Identical Prototype |

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|---|
| Tx Frequency | LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 66 : 1710.7 MHz ~ 1779.3 MHz |
| Rx Frequency | LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 66 : 2110.7 MHz~ 2199.3 MHz |
| Bandwidth | LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz |
| Antenna Gain | LTE Band 2 : -2.00 dBi LTE Band 4 : -2.00 dBi LTE Band 5 : -2.50 dBi LTE Band 13 : -4.50 dBi LTE Band 66 : -2.00 dBi |
| Type of Modulation | QPSK / 16QAM / 64QAM |

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Re-use of Measured Data

1.6.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: Z6530V, FCC ID: SRQ-Z6530V) is electrically identical to the reference device (Model: Z6530M, FCC ID: SRQ-Z6530M) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 484596 D01.

1.6.2 Difference Section

For details concerning the similarity with respect to component placement, mechanical/electrical design etc., please refer to the Product Equality Declaration.

The re-used RF data includes the following bands provided in Appendix A (Sporton RF Report No. FG951606B for the reference device Model: Z6530M, FCC ID: SRQ-Z6530M).

1.6.3 Reference detail Section:

| Equipment Class | Reference FCC ID | Folder Test | Report Title/Section |
|-----------------|------------------|------------------------------------|--|
| PCB (LTE) | SRQ-Z6530M | Part22H.24E.27L.27F (FG951606B) | All sections applicable for LTE Band 2/4/5/13/66 |



1.6.4 Spot Check Verification Data Section

In order to confirm hardware similarity of the subject device with the reference device, spot check measurements were performed on the subject device for the radiated spurious emission, the test result were consistent with FCC ID: SRQ-Z6530M.

Assertions concerning the similarity of these devices are based on representations by the applicant. The applicant accepts full responsibility for the validity of the similarity claim, and for the determination that verification test data are sufficient to support it.

| Test Item | Mode | SRQ-Z6530M Worst Result | SRQ-Z6530V Worst Result | Difference (dB) |
|----------------------------------|-------------|-------------------------|-------------------------|-----------------|
| Radiated Spurious Emission (dBm) | LTE Band 2 | -40.14 | -52.61 | 12.47 |
| | LTE Band 5 | -43.49 | -45.42 | 1.93 |
| | LTE Band 13 | -51.44 | -50.92 | 0.52 |
| | LTE Band 66 | -51.25 | -51.57 | 0.32 |



Appendix A. Reference Report

Please refer to Sporton report number FG951606B which is issued separately.