

Annex: Product Specification of Equipment Under Test

Product Specification	
Brand Name	InFocus
Model Name	VZU
WCDMA Operating Band(s)	FDD Band 2 / 4 / 5
WCDMA Release, Category	HSDPA Rel. 8, Cat. 24 / HSUPA Rel. 8, Cat. 6
LTE Operating Band(s)	FDD Band 2, Bandwidth: 1.4 M/3 M/5 M/10 M/15 M/20 M FDD Band 4, Bandwidth: 1.4 M/3 M/5 M/10 M/15 M/20 M FDD Band 5, Bandwidth: 1.4 M/3 M/5 M/10 M FDD Band 12, Bandwidth: 1.4 M/3 M/5 M/10 M FDD Band 17, Bandwidth: 5 M/10 M
LTE Release, Category	Rel. 8, Cat. 4
Wi-Fi Specification	802.11b/g/n HT20
Bluetooth Version	Bluetooth BR/EDR/LE
NFC	Type A/B/F/V
Antenna Type / Gain	WCDMA : Fixed Internal Antenna FDD Band 2: 1.06 dBi FDD Band 4: 1.71 dBi FDD Band 5: -5.61 dBi LTE : Fixed Internal Antenna FDD Band 2: 1.06 dBi FDD Band 4: 1.71 dBi FDD Band 5: -5.61 dBi FDD Band 12: -3.11 dBi FDD Band 17: -3.11 dBi WLAN : Monopole Antenna / 0.18 dBi Bluetooth : Monopole Antenna / 0.18 dBi GPS/Glonass : Monopole Antenna NFC : Loop Antenna
Type of Modulation	WCDMA: QPSK (Uplink) HSDPA: 64QAM (Downlink) / HSUPA : QPSK (Uplink) LTE: QPSK / 16QAM Bluetooth: GFSK, $\pi/4$ -DQPSK, 8-DPSK WLAN 802.11b: DSSS (DBPSK / DQPSK / CCK) WLAN 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) GPS / Glonass: BPSK NFC : ASK
Transmitter Frequency Range	WCDMA Band 2: 1852.4 MHz ~ 1907.6 MHz WCDMA Band 4: 1712.4 MHz ~ 1752.6 MHz WCDMA Band 5: 826.4 MHz ~ 846.6 MHz 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 12 : 699.7 MHz ~ 715.3 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz WLAN 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC : 13.56 MHz

Receiver Frequency Range

WCDMA Band 2: 1932.4 MHz ~ 1987.6 MHz
WCDMA Band 4: 2112.4 MHz ~ 2152.6 MHz
WCDMA Band 5: 871.4 MHz ~ 891.6 MHz
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 12 : 729.7 MHz ~ 745.3 MHz
LTE Band 17 : 736.5 MHz ~ 743.5 MHz
WLAN 802.11b/g/n: 2412 MHz ~ 2462 MHz
Bluetooth: 2402 MHz ~ 2480 MHz
GPS: 1.57542 GHz
Glonass: 1602 MHz + $n \times 0.5625\text{MHz}$ ($n=-7,-6,-5,...,0,...,6$)
NFC : 13.56 MHz