

Annex: Product Specification of Equipment Under Test

Product Specification	
Brand Name	D-Link
Model Name	DWR-922
GSM Operating Band(s)	GSM 850/1900 MHz
GPRS Multi-Slot Class	GPRS Class 10, EGPRS Class 12
WCDMA Operating Band(s)	FDD Band 2 / 4 / 5
WCDMA Release, Category	HSDPA Rel. 8, Cat. 24 / HSUPA Rel. 6, 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 7, Bandwidth: 5 M/10 M/15 M/20 M FDD Band12, Bandwidth: 1.4 M/3 M/5 M/10 M FDD Band 17, Bandwidth: 5 M/10 M
LTE Release, Category	Rel. 9, Cat. 3
Wi-Fi Specification	802.11b/g/n HT20/HT40
Antenna Type / Gain	GSM: Dipole Antenna GSM 850: 3.01 dBi GSM 1900: 1.57 dBi WCDMA: Dipole Antenna FDD Band 2: 1.57 dBi FDD Band 4: 1.23 dBi FDD Band 5: 3.01 dBi LTE: Dipole Antenna FDD Band 2: 1.57 dBi FDD Band 4: 1.40 dBi FDD Band 5: 3.01 dBi FDD Band 7: 2.29 dBi FDD Band12: 1.61 dBi FDD Band 17: 1.61 dBi WLAN: PIFA Antenna 2400~2483.5MHz: 3.80 dBi
Type of Modulation	GSM / GPRS: GMSK EGPRS: GMSK for MCS 0 ~ 4 & 8PSK for MCS5 ~9 WCDMA: QPSK (Uplink) HSDPA: 64QAM (Downlink) / HSUPA : QPSK (Uplink) LTE: QPSK / 16QAM WLAN 802.11b: DSSS (DBPSK / DQPSK / CCK) WLAN 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)
Transmitter Frequency Range	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band 5: 826.4 MHz ~ 846.6 MHz WCDMA Band 4 : 1712.4 MHz ~ 1752.6 MHz WCDMA Band 2: 1852.4 MHz ~ 1907.6 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 7 : 2502.5 MHz ~ 2567.5 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

Receiver Frequency Range

GSM850: 869.2 MHz ~ 893.8 MHz
GSM1900: 1930.2 MHz ~ 1989.8 MHz
WCDMA Band 5: 871.4 MHz ~ 891.6 MHz
WCDMA Band 4 : 2112.4 MHz ~ 2152.6 MHz
WCDMA Band 2: 1932.4 MHz ~ 1987.6 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 7 : 2622.5 MHz ~ 2687.5 MHz
LTE Band 12 : 729.7 MHz ~ 745.3MHz
LTE Band 17 : 706.5 MHz ~ 713.5 MHz
WLAN 802.11b/g/n: 2412 MHz ~ 2462 MHz