

Operation description

The product name is Wireless POS. It supports BT dual mode, 2.4G WIFI, 4G and NFC. The BT dual mode, 2.4G WIFI and 4G function of the product is controlled by chip Z400-H. The chip Z400-H contains MT8766, MT6177, MT6631 and MT6357 with 26MHz crystal oscillator. And the NFC function is controlled by chip YC5016.

EUT Name		Wireless POS
Model		AF820
Hardware Version		V1.00
Software Version		V1.00
Ratings		DC 5V / Battery 3.7V
Battery1 Ratings		3.7V 4800mAh 17.76Wh
Battery2 Ratings		3.7V 5200mAh 19.24Wh
Power Supply	DC	5V
	Battery	3.7V

Frequency Band:	2400 MHz to 2483.5 MHz
Frequency Range:	2402 MHz to 2480 MHz
Bluetooth Version:	4.1
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Type of Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Number of Channels:	79
Channel Separation:	1 MHz
Maximum Peak Power:	4.85 dBm
Antenna Type:	Internal antenna
Antenna Gain:	0.95 dBi
EUT Test software:	EngineerMode (Engineering instruction: *##3646633##*)
Note:	The Antenna Gain was provided by customer, and this information may affect the validity of the results, customer should be responsible for this.

Frequency Band:	2400 MHz to 2483.5 MHz
Frequency Range:	2402 MHz to 2480 MHz
Bluetooth Version:	4.1
Type of Modulation:	GFSK
Number of Channels:	40
Channel Separation:	2 MHz
Maximum Peak Power:	-4.53 dBm
Antenna Type:	Internal antenna

Antenna Gain:	0.95 dBi
EUT Test software:	EngineerMode (Engineering instruction: ***#3646633#***)
Note:	The Antenna Gain was provided by customer, and this information may affect the validity of the results, customer should be responsible for this.

Frequency Band:	2400 MHz to 2483.5 MHz
Frequency Range:	2412 MHz to 2462 MHz
Support Standards:	802.11b/g/n
Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g/n: OFDM(64-QAM, 16-QAM, QPSK, BPSK)
Data Rate:	IEEE 802.11b: Up to 11 Mbps IEEE 802.11g: Up to 54 Mbps IEEE 802.11n: Up to MCS7
Number of Channels:	IEEE 802.11b/g/n-HT20: 11 IEEE 802.11n-HT40: 7
Maximum Peak Power:	IEEE 802.11b: 13.85 dBm IEEE 802.11g: 13.09 dBm IEEE 802.11n-HT20: 13.31 dBm IEEE 802.11n-HT40: 13.25 dBm
Antenna Type:	Internal antenna
Antenna Gain:	0.95 dBi
EUT Test software:	EngineerMode (Engineering instruction: ***#3646633#***)
Note:	The Antenna Gain was provided by customer, and this information may affect the validity of the results, customer should be responsible for this.

Operation Frequency:	13.56 MHz
Type of Modulation:	ASK

E-UTR A Band	Characteristics				
	E-UTRA operating bands		Bandwidth		
	Transmit	Receive			
2	1850MHz - 1910MHz	1930MHz - 1990MHz	<input checked="" type="checkbox"/> 1.4MHz	<input checked="" type="checkbox"/> 3MHz	<input checked="" type="checkbox"/> 5MHz
			<input checked="" type="checkbox"/> 10MHz	<input checked="" type="checkbox"/> 15MHz	<input checked="" type="checkbox"/> 20MHz

4	1710MHz - 1755MHz	2110MHz - 2155MHz	<input checked="" type="checkbox"/> 1.4MHz	<input checked="" type="checkbox"/> 3MHz	<input checked="" type="checkbox"/> 5MHz
			<input checked="" type="checkbox"/> 10MHz	<input checked="" type="checkbox"/> 15MHz	<input checked="" type="checkbox"/> 20MHz
5	824MHz -849MHz	869MHz -894MHz	<input checked="" type="checkbox"/> 1.4MHz	<input checked="" type="checkbox"/> 3MHz	<input checked="" type="checkbox"/> 5MHz
			<input checked="" type="checkbox"/> 10MHz	<input type="checkbox"/> 15MHz	<input type="checkbox"/> 20MHz
7	2500MHz - 2570MHz	2620MHz - 2690MHz	<input type="checkbox"/> 1.4MHz	<input type="checkbox"/> 3MHz	<input checked="" type="checkbox"/> 5MHz
			<input checked="" type="checkbox"/> 10MHz	<input checked="" type="checkbox"/> 15MHz	<input checked="" type="checkbox"/> 20MHz
38	2570MHz - 2620MHz	2570MHz - 2620MHz	<input type="checkbox"/> 1.4MHz	<input type="checkbox"/> 3MHz	<input checked="" type="checkbox"/> 5MHz
			<input checked="" type="checkbox"/> 10MHz	<input checked="" type="checkbox"/> 15MHz	<input checked="" type="checkbox"/> 20MHz
41	2535MHz - 2655MHz	2535MHz - 2655MHz	<input type="checkbox"/> 1.4MHz	<input type="checkbox"/> 3MHz	<input checked="" type="checkbox"/> 5MHz
			<input checked="" type="checkbox"/> 10MHz	<input checked="" type="checkbox"/> 15MHz	<input checked="" type="checkbox"/> 20MHz