

U.S. Patent No. 8,810,458 Claim Limitation Comparison Chart

I. LIMITATIONS [8.PRE]-[8.j]

Ref	Limitation	Ref	Corresponding limitation
8.PRE	A portable device comprising:	1.PRE	A wireless handheld or portable device comprising:
8.a	a ground plane;	1.a	a ground plane;
8.b	a first antenna configured to transmit and receive electromagnetic waves corresponding to at least three frequency bands;	1.c	a first antenna configured to transmit and receive electromagnetic waves corresponding to at least three frequency bands;
8.c	the at least three frequency bands being used for mobile communication services;	1.d	the at least three frequency bands being used for mobile communication services;
8.j	the first antenna and the second antenna are located internally within the portable device.	1.j	the first antenna and the second antenna are located internally within the wireless handheld or portable device.

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II. CLAIMS 5, 12, 18

Claim	Limitation	Claim	Corresponding limitation	Claim	Corresponding limitation
5	The wireless handheld or portable device according to claim 1, wherein the first antenna is an antenna selected from the group comprising: a monopole antenna, an inverted-F antenna, a patch antenna, and a planar inverted-F antenna.	12	The portable device according to claim 8, wherein the first antenna is an antenna selected from the group comprising: a monopole antenna, an inverted-F antenna, a patch antenna, and a planar inverted-F antenna.	18	The wireless handheld or portable device according to claim 14, wherein the first antenna is an antenna selected from the group comprising: a monopole antenna, an inverted-F antenna, a patch antenna, and a planar inverted-F antenna.

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III. CLAIMS 6, 13, 19

Claim	Limitation	Claim	Corresponding limitation	Claim	Corresponding limitation
6	The wireless handheld or portable device according to claim 5, wherein the second antenna is an antenna selected from the group comprising: a monopole antenna, an inverted-F antenna, a patch antenna, and a planar inverted-F antenna.	13	The portable device according to claim 12, wherein the second antenna is an antenna selected from the group comprising: a monopole antenna, an inverted-F antenna, a patch antenna, and a planar inverted-F antenna.	19	The wireless handheld or portable device according to claim 18, wherein the second antenna is an antenna selected from the group comprising: a monopole antenna, an inverted-F antenna, a patch antenna, and a planar inverted-F antenna.

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IV. CLAIMS 7, 17

Claim	Limitation	Claim	Corresponding limitation
7	The wireless handheld or portable device according to claim 1, wherein the at least one frequency band used for wireless connectivity services corresponds to at least one wireless connectivity service selected from the group comprising: Bluetooth™, IEEE802.11a, IEEE802.11b, IEEE802.11g, WLAN, WiFi, UWB, ZigBee, GPS, Galileo, SDARs, XDARS, WiMAX, DAB, FM, DVB-H, and DMB.	17	The wireless handheld or portable device according to claim 14, wherein the at least one frequency band is used for a wireless connectivity service selected from the group comprising: Bluetooth™, IEEE802.11a, IEEE802.11b, IEEE802.11g, WLAN, WiFi, UWB, ZigBee, GPS, Galileo, SDARs, XDARS, WiMAX, DAB, FM, DVB-H, and DMB.

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V. LIMITATIONS [14.PRE]-[14.a], [14.o]

Ref	Limitation	Ref	Corresponding limitation
14.PRE	A wireless handheld or portable device comprising:	1.PRE	A wireless handheld or portable device comprising:
14.a	a ground plane;	1.a	a ground plane;
14.o	the first antenna and the second antenna are located internally within the wireless handheld or portable device.	1.j	the first antenna and the second antenna are located internally within the wireless handheld or portable device.