

Regulatory Bluetooth Antenna Information

Project Name : E1
Host System : PDA
Antenna Vendor : Amphenol K.A.E.

LG Electronics Inc.

Antenna Information

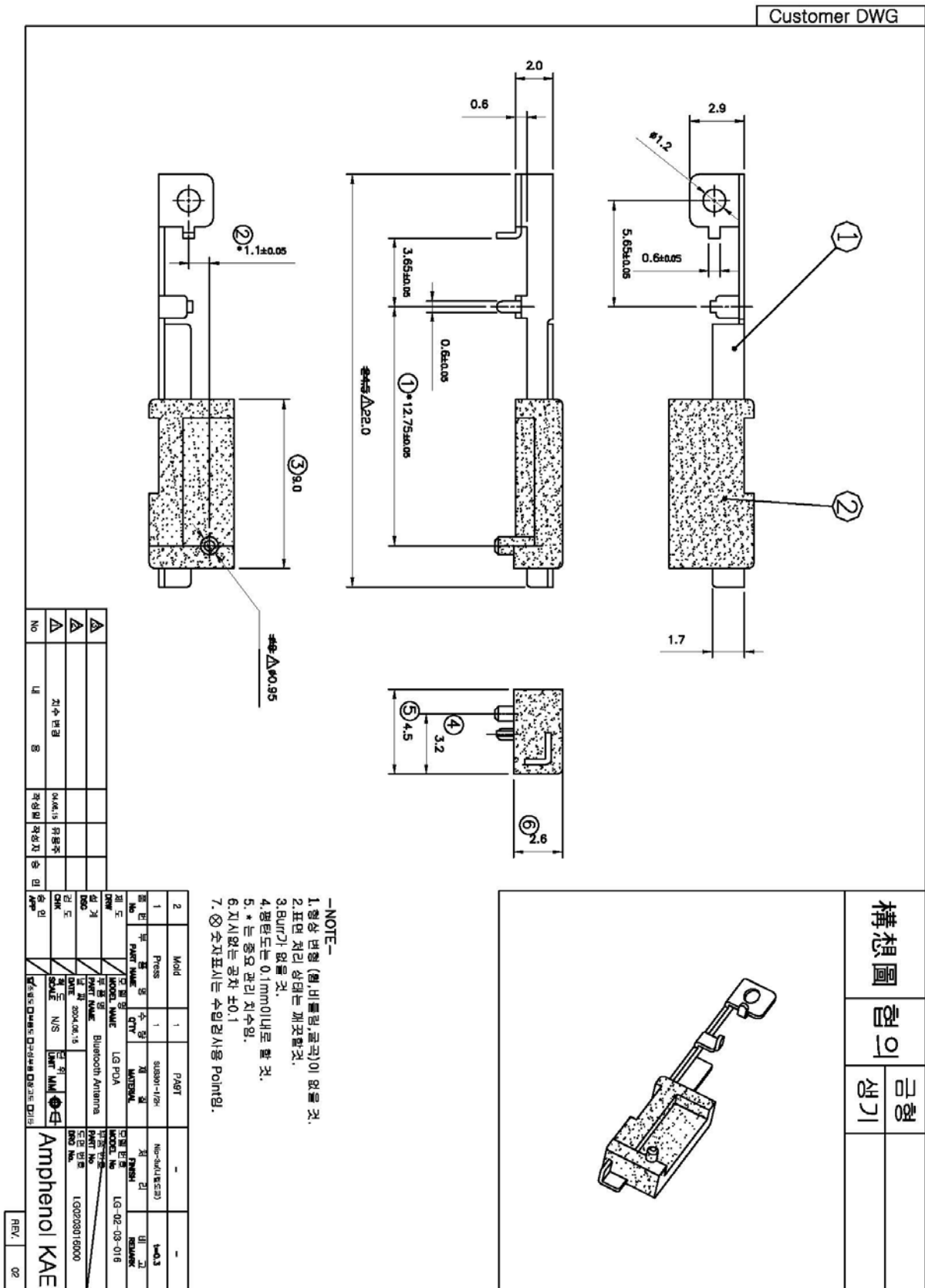
Section 1. Antenna Assembly Specifications

Antenna Assembly Summary:

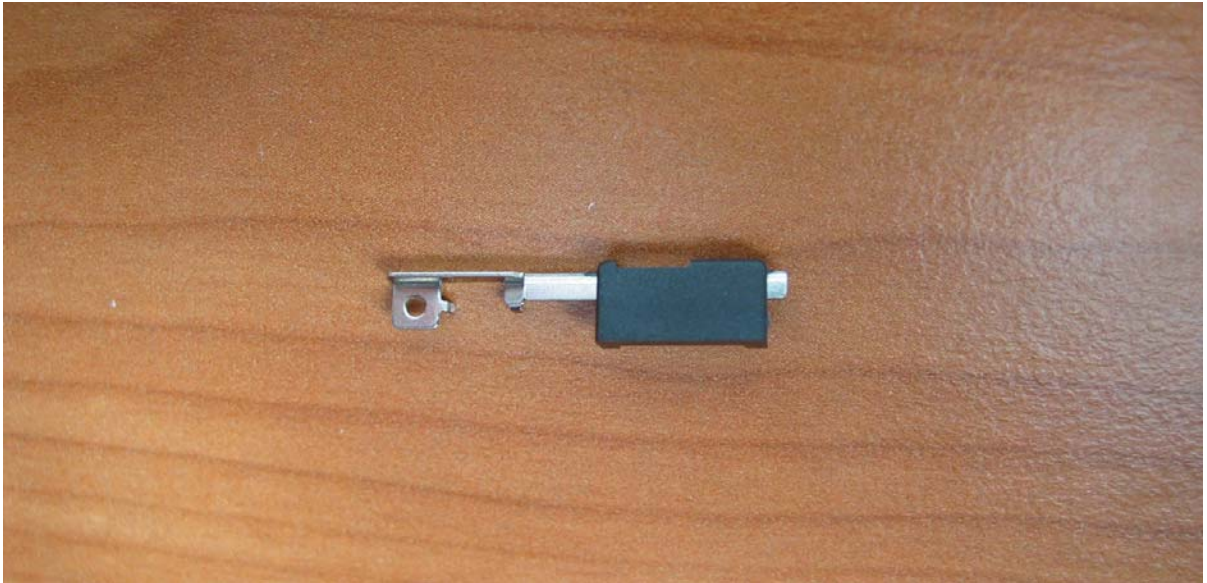
1A Antenna Part Number	1B Manufacture	1C Antenna Type	1D Cable Assembly Part Number and Information	1E Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dB)
(P/N: LG-02-03-016)	Amphenol K.A.E Co., Ltd.	PIFA	(P/N:)	2400-2500MHz -3.25 dBi (peak)	2400-2500MHz -3.25 dBi (peak)	2400-2500MHz 1.35 max	2400-2500MHz dB (peak)

Section 2. Dimensioned Photos or Drawings of Antennas

Antenna Dimensioned Drawing:



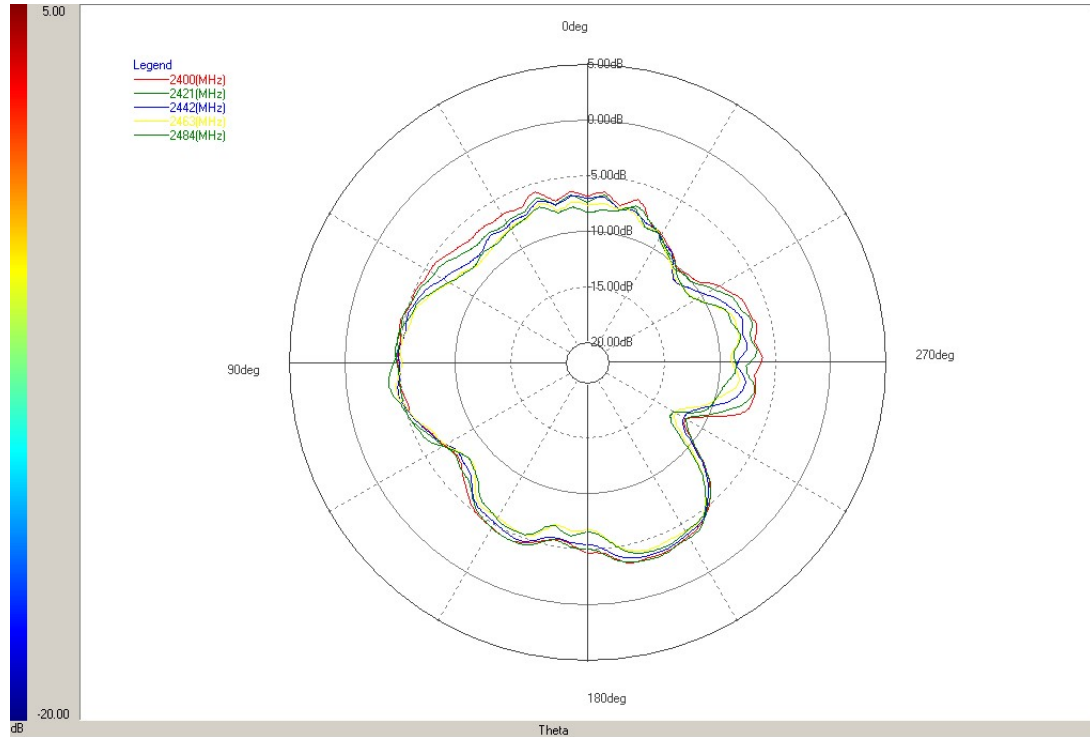
Antenna Photo:



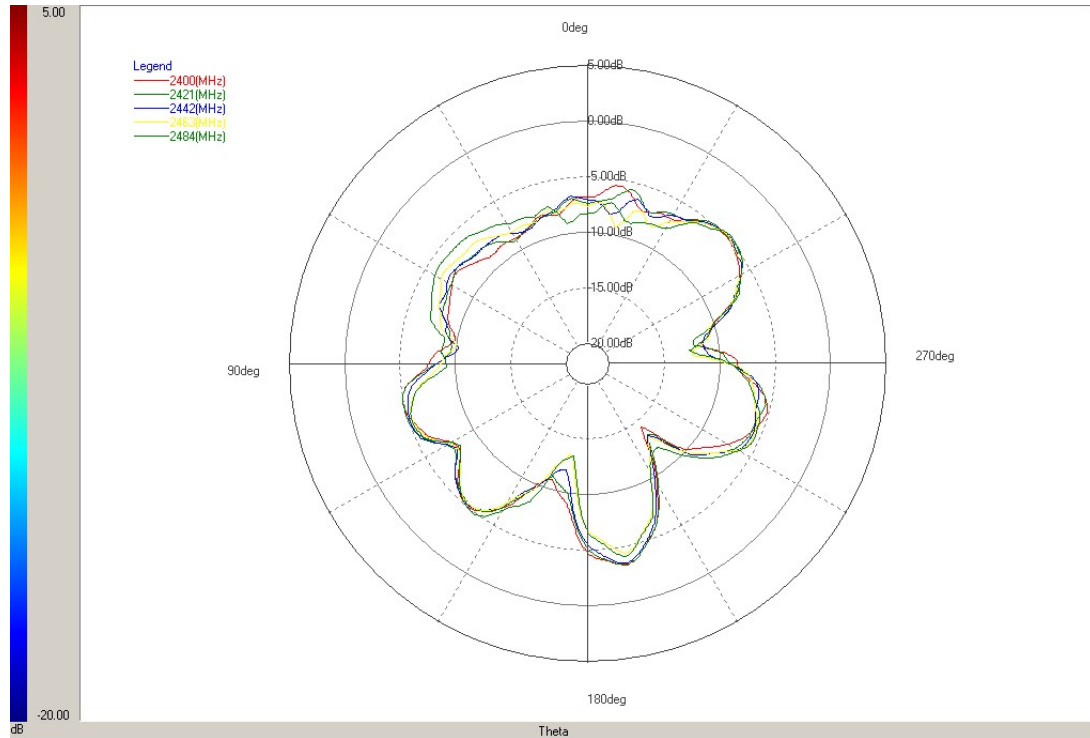
Section 3. Radiation characteristics of antennae Loaded in Host Platform

1. Main antenna Radiation pattern and gain

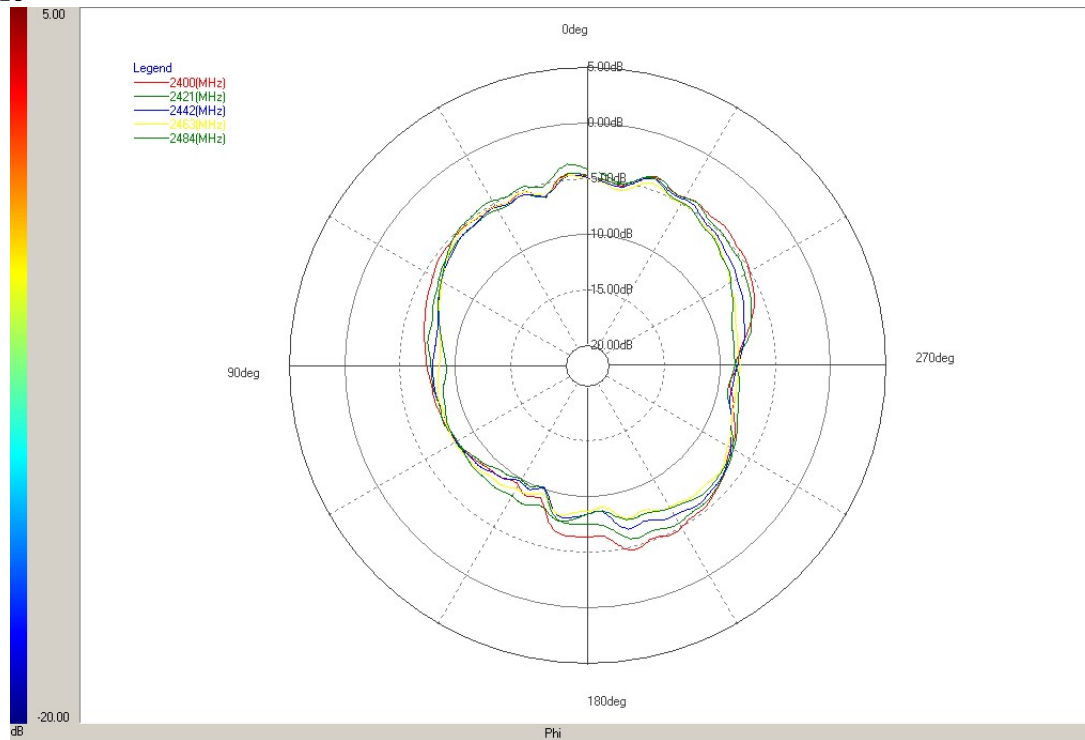
1.1 E1-Plane



1.2 E2-Plane



1.3 H-Panle



1.4 Peak gain (dBi) summary

Frequency (MHz)	E1-plane	E2-plane	<u>H-plane</u>
2400	-3.40 dB	-3.40 dB	-3.92 dB
2421	-3.25 dB	-3.45 dB	-3.82 dB
2442	-3.66 dB	-3.58 dB	-4.06 dB
2463	-4.18 dB	-4.47 dB	-4.49 dB
2484	-3.89 dB	-4.14 dB	-3.70 dB

Section 4. Host Platform Information

Host System : PDA

(Project and Model Name : E1)

Antenna location : Left Side of the Set

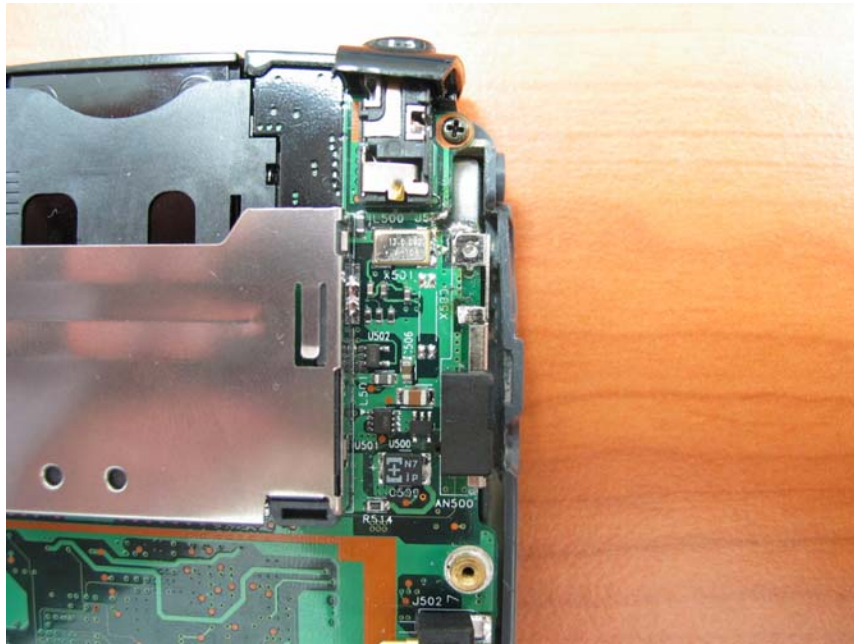
Antenna : Main = Side

Photographs of the antenna location in the E1

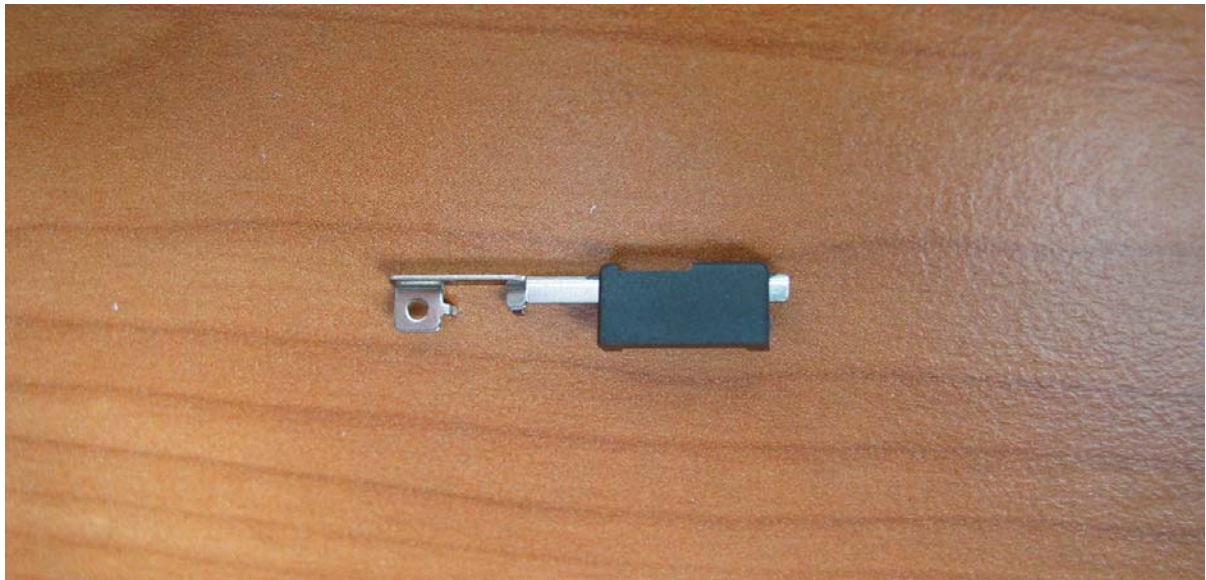


Section 5. Antenna Host Platform Location Information

Antenna location

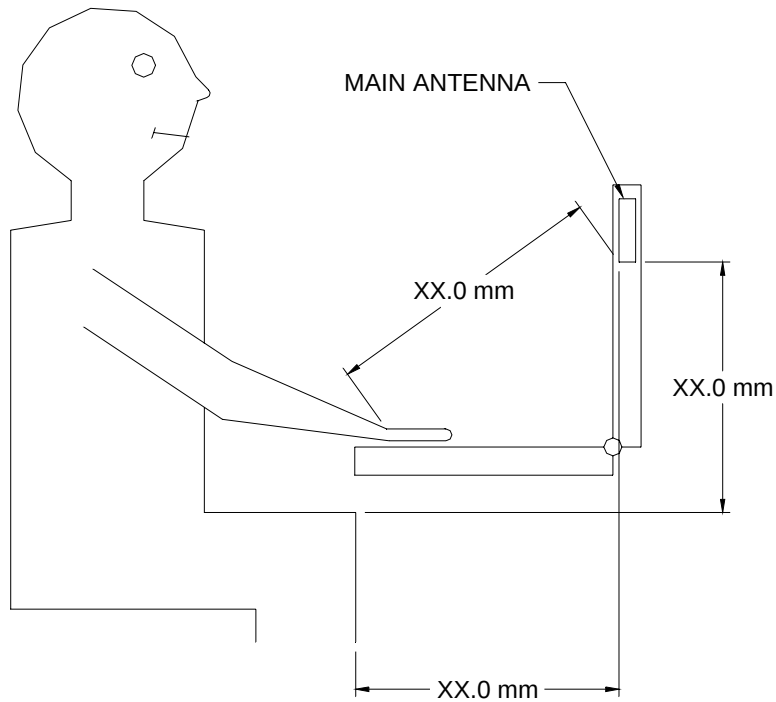


Full antenna picture



Section 6. Antenna dimensional information for SAR evaluation

Include a dimensioned photos or dimensioned drawings showing the distance (mm) between the transmit (main) antenna and the user (excluding hands, wrist, feet, and ankle)



Section 7. Diagram Example of Co-Location Antenna Separation

Indicate distance between WLAN module antennas and Bluetooth/other radio antenna element.

(Note: Due to the evolving rules regarding co-location, each platform will need to be reviewed on a case by case basis)

