

## Regulatory WLAN Antenna Information

<b>Platform</b>	ACS300
Platform Owner	TELE System
Brand Name	
Model Name	ACS300
ODM	TELE System
Target Launch Date	
<b>Antenna</b>	
Manufacturer	Shifeng Electronic Technology CO., LTD
Part Number	■ WLAN 2.4G Antenna: EAN00EE007Y0 (TCBYCACS30000)
<b>Module</b>	
With WLAN Module	
(Check Box)	

## Antenna Sample / Antenna Data

### Requirements for worldwide regulatory approval

Section	Description of Required OEM / ODM Antenna Information	US / IC	EU	Japan	Taiwan	S.Korea
1A	Part Number for Antenna only	Required	Required	Required	Required	Required
1B	Antenna Manufacturer Name	Required	Required	Required	Required	Required
1C	Description of Antenna Type	Required	N/A	N/A	N/A	N/A
1D	Part number of Antenna Assembly / cable impedance, length & diameter.	Required	Desired	Desired	Desired	Desired
1E	Tx1, Tx2 & Tx3 antenna (Peak Gain W/ cable loss) *	Required	Required	Required	Required	Required
	1E OR 1F, 1G, 1H					
1F	Tx1, Tx2 & Tx3 antenna (Peak Gain only) *	Required	Required	Required	Required	Required
1G	VSWR of cable including connector	Required	Required	Required	Required	Required
1H	Tx1, Tx2 & Tx3 antenna (Cable loss W/ connector) *	Required	Required	Required	Required	Required
2	Dimensioned Photographs <u>and</u> Drawings of Tx1, Tx2, and Tx3 (or Rx3) antennas	Required	Required	Required	Required	Required
3	Radiation patterns of antennas loaded in the host platform.	Required	Desired	Required	Required	Required
4	Platform model name / number - correlated to antenna manufacturer and antenna part number	Required	Required	Desired	Required	Desired
5	Photograph(s) or Drawings showing location of antennas in platform. <u>(S. Korea requires photographs of antennas for approval submission). Taiwan requires pictures of each antenna type shown in the system.</u>	Required	Required	Desired	<u>Required (Photos)</u>	<u>Required (Photos)</u>
6	Mech. drawings / photos with dimensions of antenna locations and distance from end-user (For evaluation of SAR testing requirement).	Required	N/A	N/A	N/A	N/A
7	Photograph(s) or Drawings showing the location of all antennas (WLAN, other) and distance between those transmitting antennas. Information will be used to evaluate whether co-location testing is required.	Required	N/A	N/A	N/A	N/A
8	Local representative contact information for LMA/ PARS process.	Required	N/A	N/A	N/A	N/A

## Antenna Information

### Section 1. Antenna Assembly Specifications

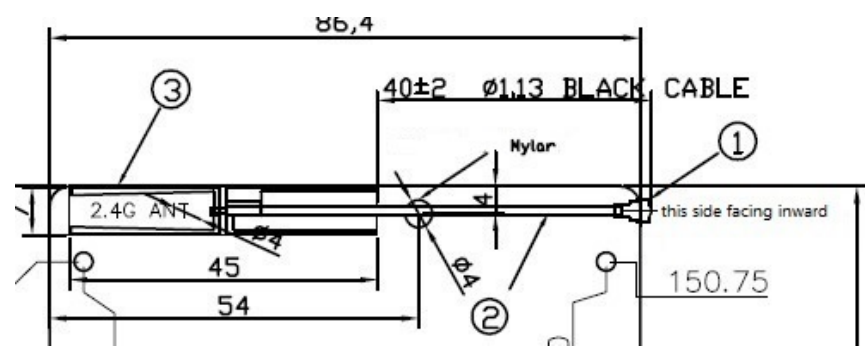
1A Antenna Part Number	1B Manufacture	1C Antenna Type	1D Cable Assembly Part Number and Information	1E Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G VSWR	1H Cable Loss (dBi)
Tx1 Antenna  Antenna P/N : EAN00EE007Y0 (TCBYCACS30000)	Shifeng Electronic Technology CO., LTD	PIFA		2400 - 2500 MHz <b>1.35</b> dBi (peak)	2400 - 2500 MHz <b>1.58</b> dBi (peak)	2400 - 2500 MHz <b>2.0</b> max	2400 - 2500 MHz <b>0.23</b> dBi (peak)
			50 ohm Coaxial.				
			length: <b>63</b> mm				
			diameter: <b>1.13</b> mm				
			Connector: <b>MHF II</b> or				
			<b>U.FL compatible connector</b>				

- Antenna Peak Gain required being test in system basis.
- 1E frame contend absolutely peak antenna gain include H/V

Antenna Peak Gain Table:

Tx1 antenna		
Frequency (MHz)	Horizontal	Vertical
	(dBi)	(dBi)
2400	-3.56	1.28
2450	-4.96	1.35
2500	-3.87	1.01

Section2. Dimensioned Photos or Drawings of Antennas

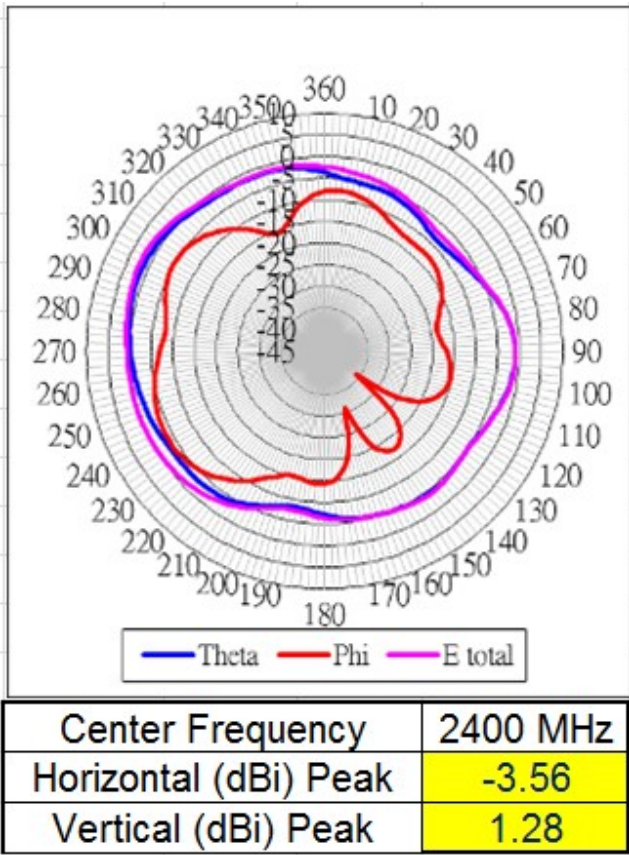


Antenna Photo:

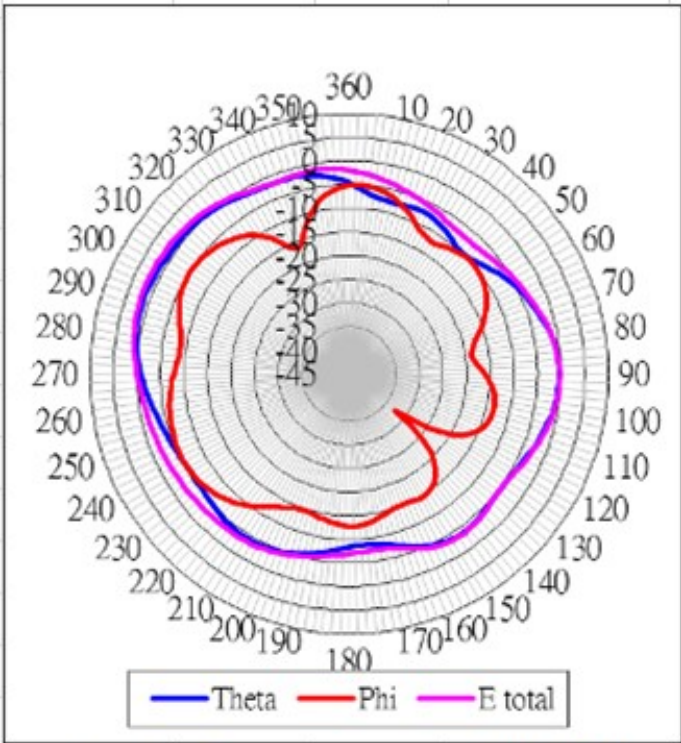


Section 3. Radiation characteristics of antennae Loaded in Host Platform

antenna: 2400 MHz



antenna: 2450 MHz



Center Frequency	2450 MHz
Horizontal (dBi) Peak	-4.96
Vertical (dBi) Peak	1.35

