

Sound Vision-Router 10 Antenna Report

LITEON

Agenda

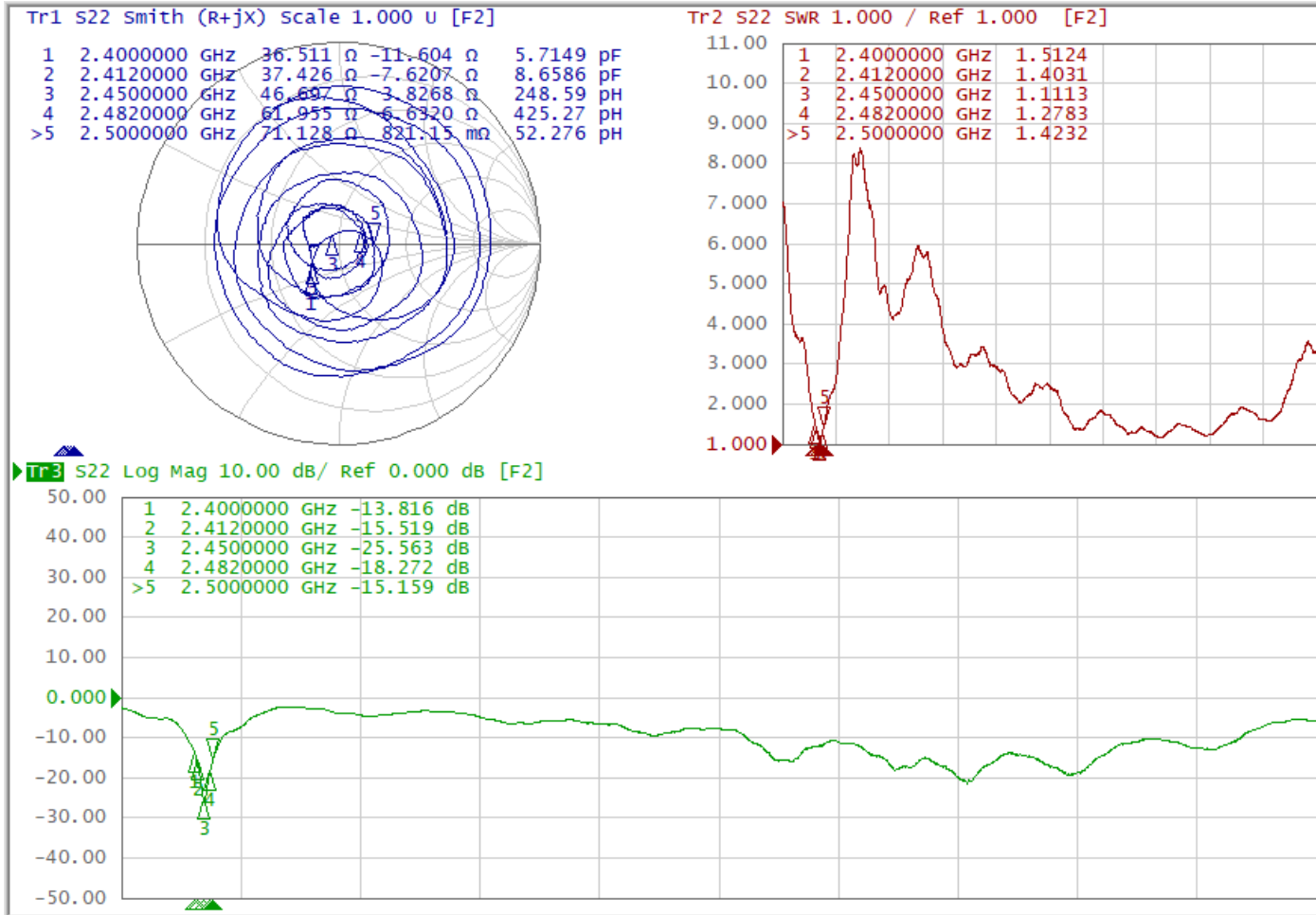
- Soundvision control antenna info.
 - Antenna specification
 - Antenna manufacture name
WHA YU TECHNOLOGY CO., LTD
 - Antenna manufacture address
No. 326, Sec. 2, Gongdao 5th Rd., Fenggong Vil., East Dist.,
Hsinchu City 30070, Taiwan (R.O.C.)
 - S Parameter
 - 2D Radiation pattern
 - Efficiency & Peak gain table

Antenna Specification

Antenna Number	Brand Name	Model Name	Ant. Type	Connector	Support	Max Peak Gain	QNTENNA Gain To Cable Loss	Cable Loss
Antenna	LITEON	20301-003860A000	PIFA	I-Pex	BT	2.7 dBi	Gain to Cable Loss	

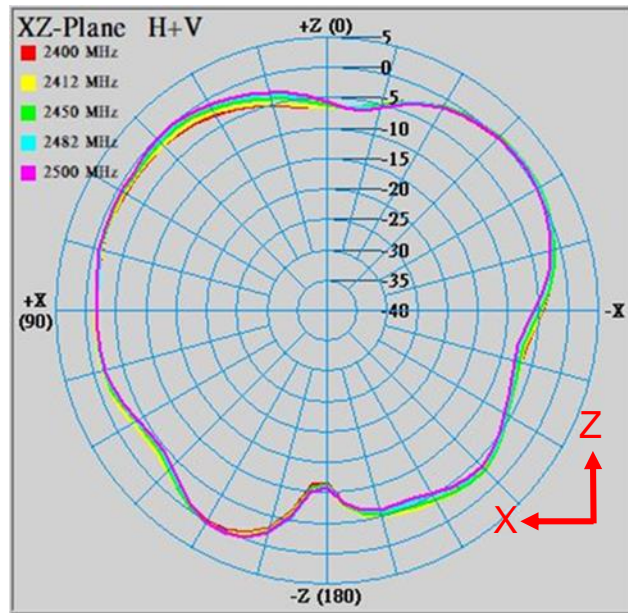
Antenna return loss

Frequency bands 2402~2482MHz
Return loss spec. -10 dB



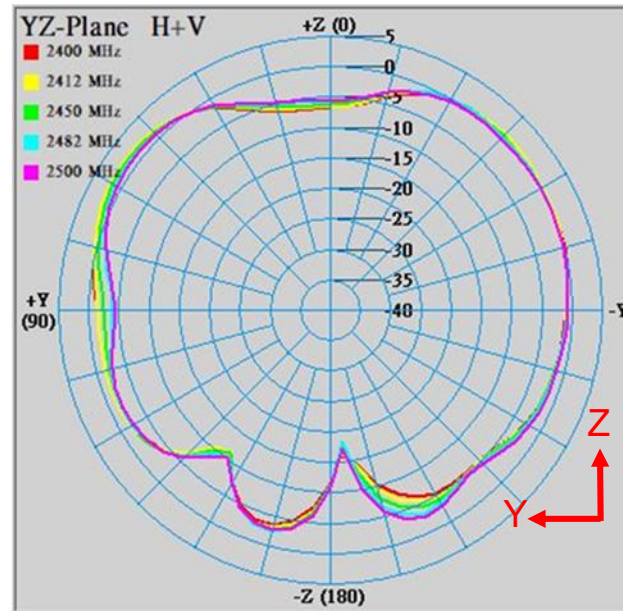
2D Radiation Pattern

X- Z CUT



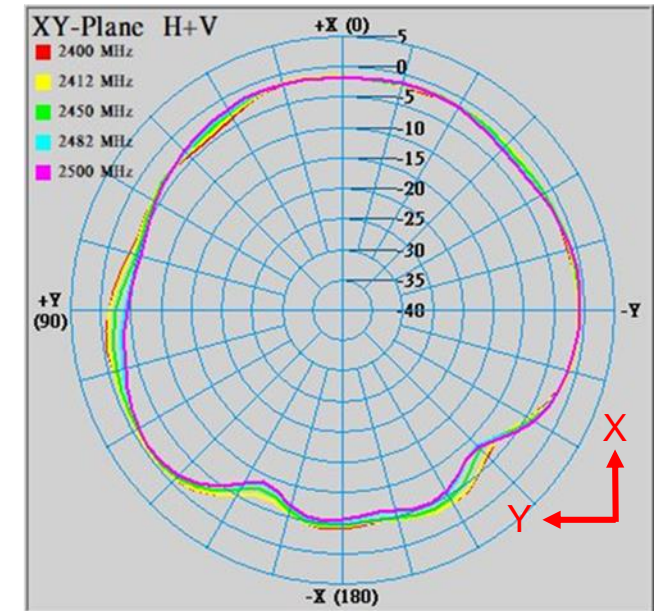
Phi=0deg

Y- Z CUT



Phi=90deg

X- Y CUT



Theta=90deg

Efficiency & Peak gain table

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.7	62.0
2412	2.6	63.2
2450	2.3	62.6
2482	2.0	61.2
2500	1.7	60.6

- Antenna peak gain
2.4 GHz < 3dBi
- Antenna efficiency
2.4 GHz band : 60%
- Antenna return loss
2.4 GHz band < -10 dB



THANK YOU

Connect With Liteon

LITEON[®]
——光寶科技