

P/N: HFD04-R Antenna Information

Antenna assembly overview

*Peak Gain not including cable loss

	Horizontal	Vertical
Main	-0.07	-1.85
Aux	-1.18	-3.15

2400-2500MHz dBi (peak)

*Peak Gain including cable loss

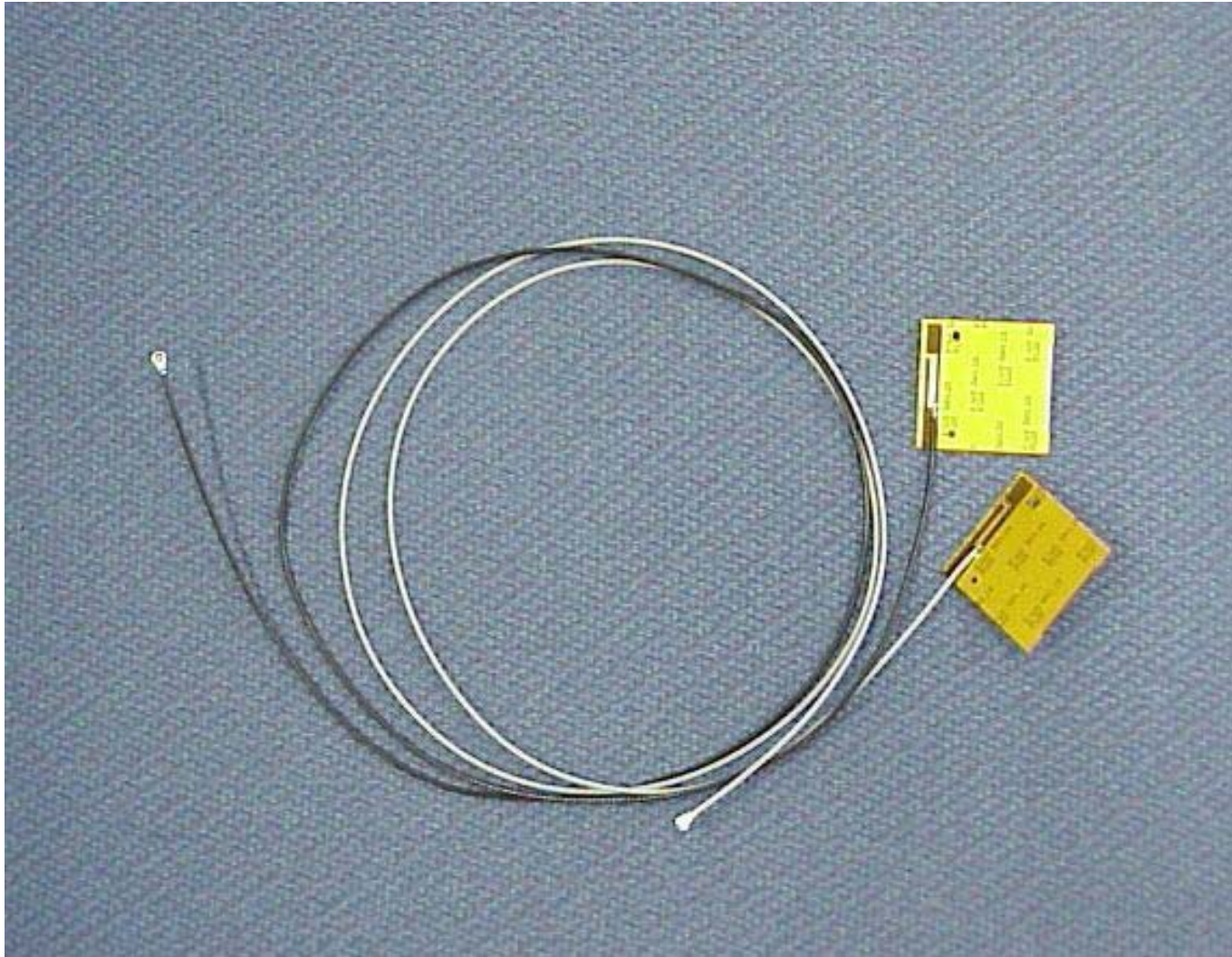
	Horizontal	Vertical
Main	-2.33	-4.11
Aux	-3.91	-5.88

2400-2500MHz dBi (peak)

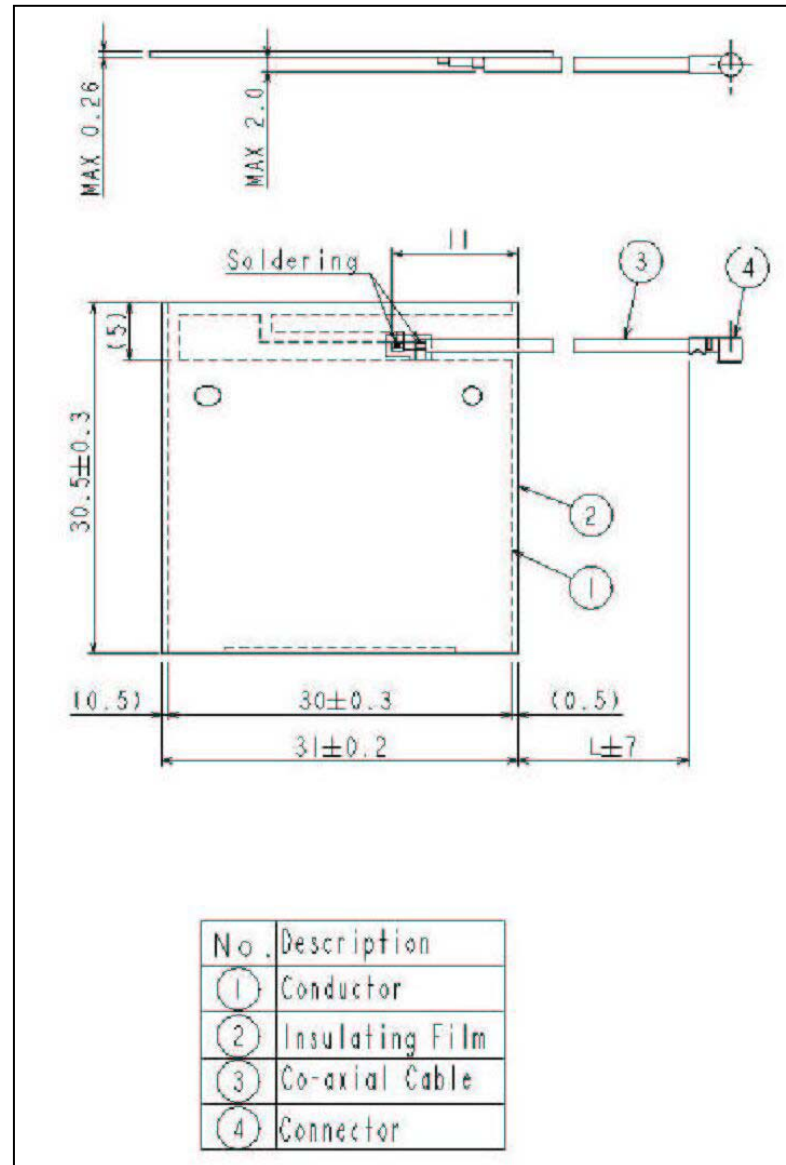
*Cable loss (HITACHI ϕ 1.3mm)

	length[m]	loss[dB]
1m	1.000	3.20
Main	0.705	2.26
Aux	0.854	2.73

Antenna (Picture)



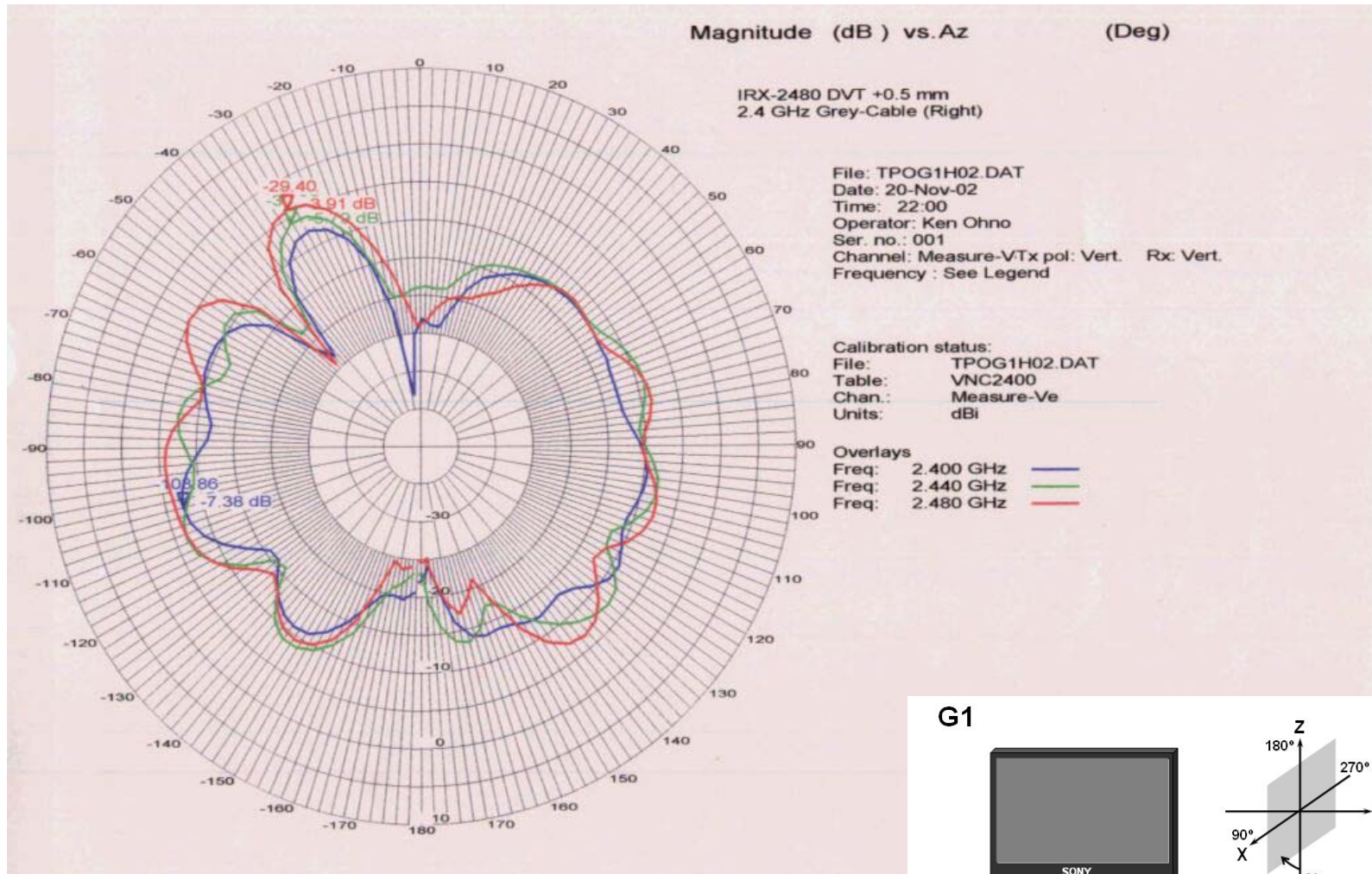
Antenna (Dimension)



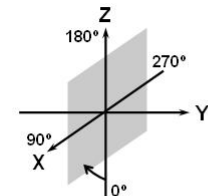
Antenna (Radiation Pattern) with Peak Antenna Gain (dBi)

- 1 X-Z plane/Horizontal/Right Antenna
- 2 X-Z plane/Horizontal/Left Antenna
- 3 X-Z plane/Vertical/Right Antenna
- 4 X-Z plane/Vertical/Left Antenna
- 5 Y-Z plane/Horizontal/Right Antenna
- 6 Y-Z plane/Horizontal/Left Antenna
- 7 Y-Z plane/Vertical/Right Antenna
- 8 Y-Z plane/Vertical/Left Antenna
- 9 X-Y plane/Horizontal/Right Antenna
- 10 X-Y plane/Horizontal/Left Antenna
- 11 X-Y plane/Vertical/Right Antenna
- 12 X-Z plane/Vertical/Left Antenna

1. X-Z plane/Horizontal/ Right Antenna

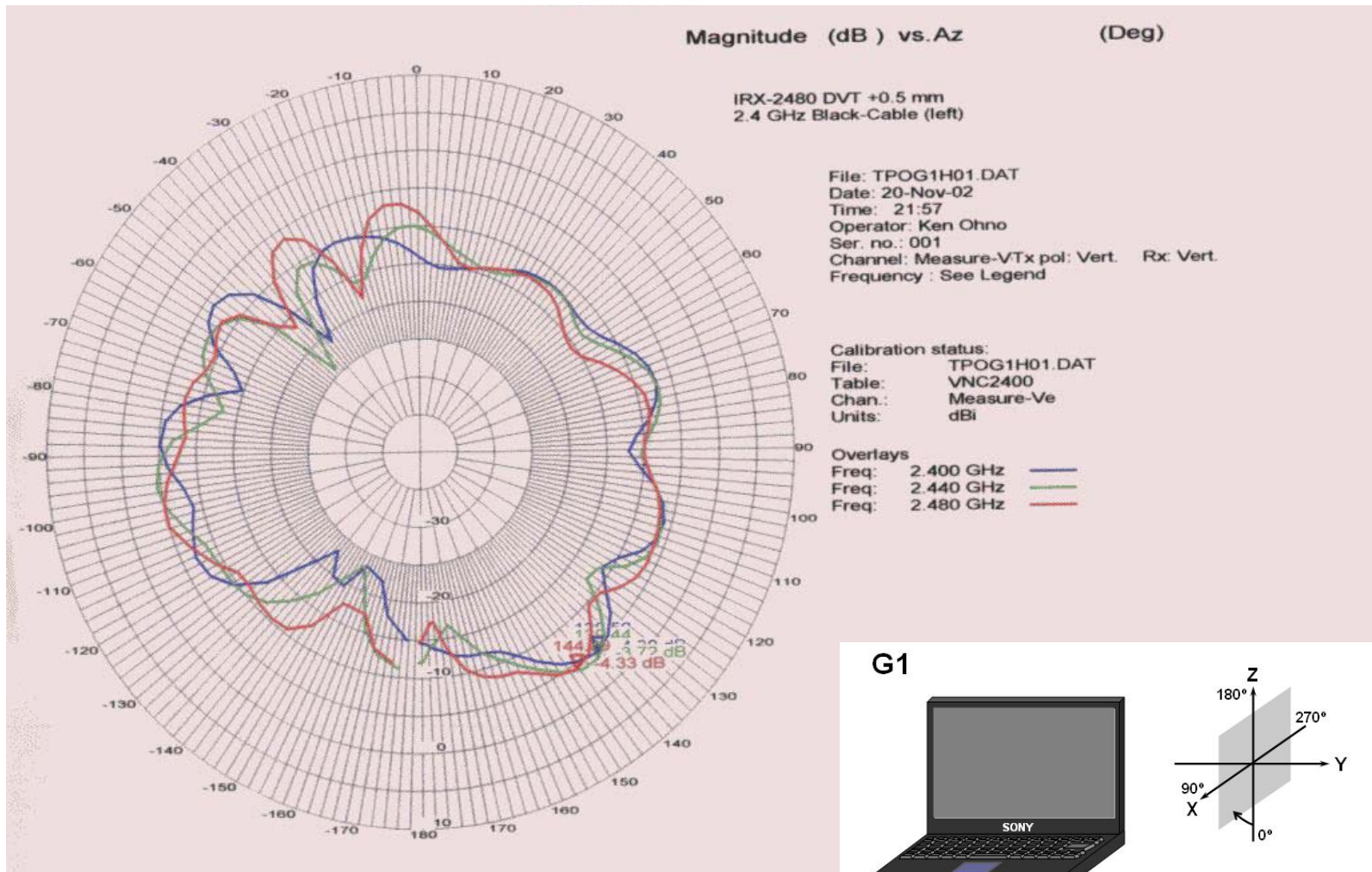


G1

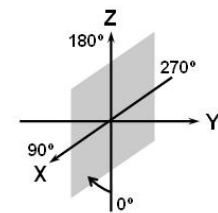


X - Z plane
Vertical direction : Y axis
Horizontal direction : X axis, Z axis

2. X-Z plane/Horizontal/ Left Antenna



G1

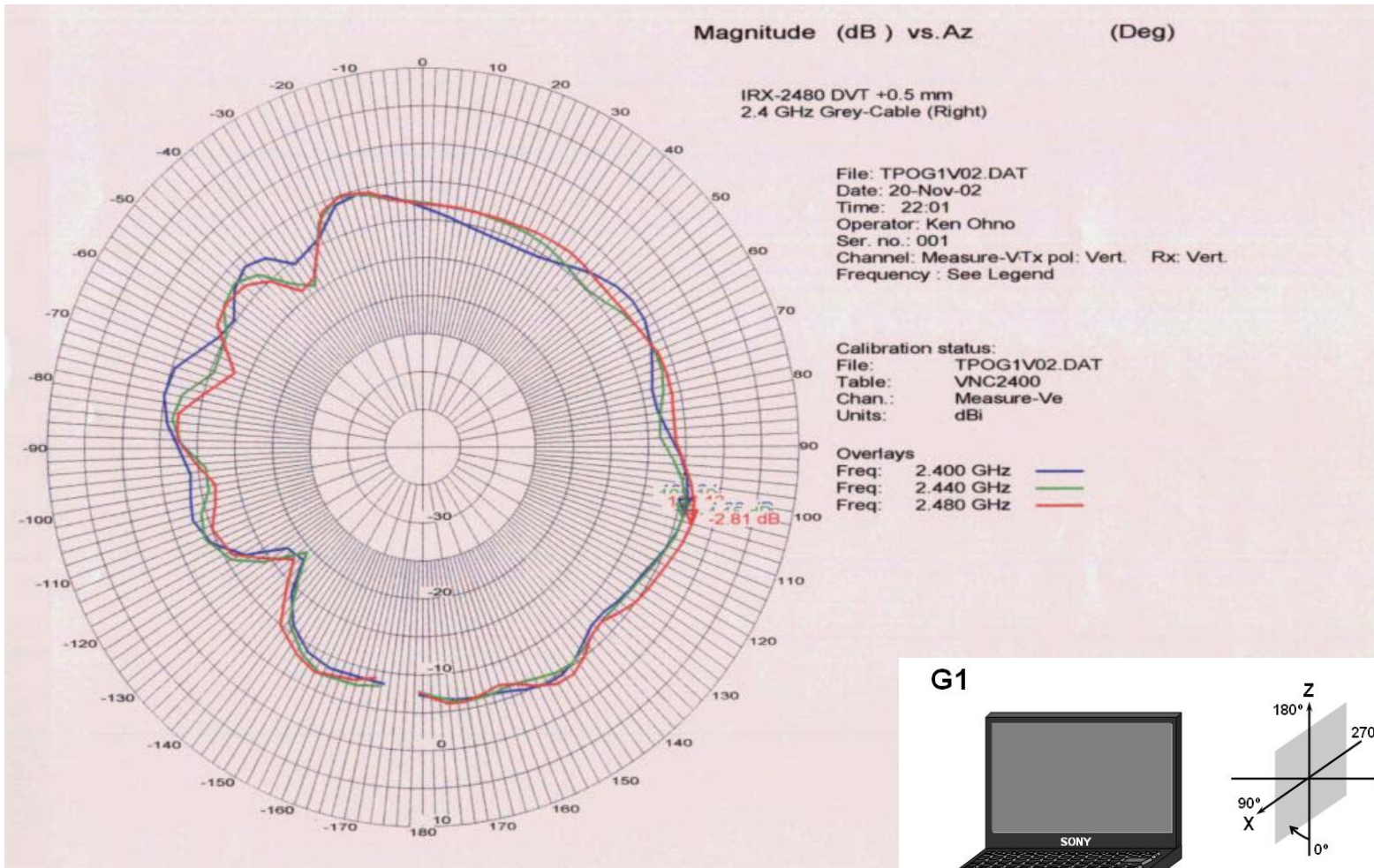


X - Z plane

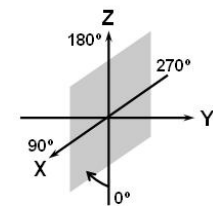
Vertical direction : Y axis

Horizontal direction : X axis, Z axis

3. X-Z plane/Vertical/ Right Antenna

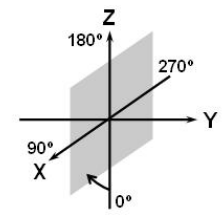
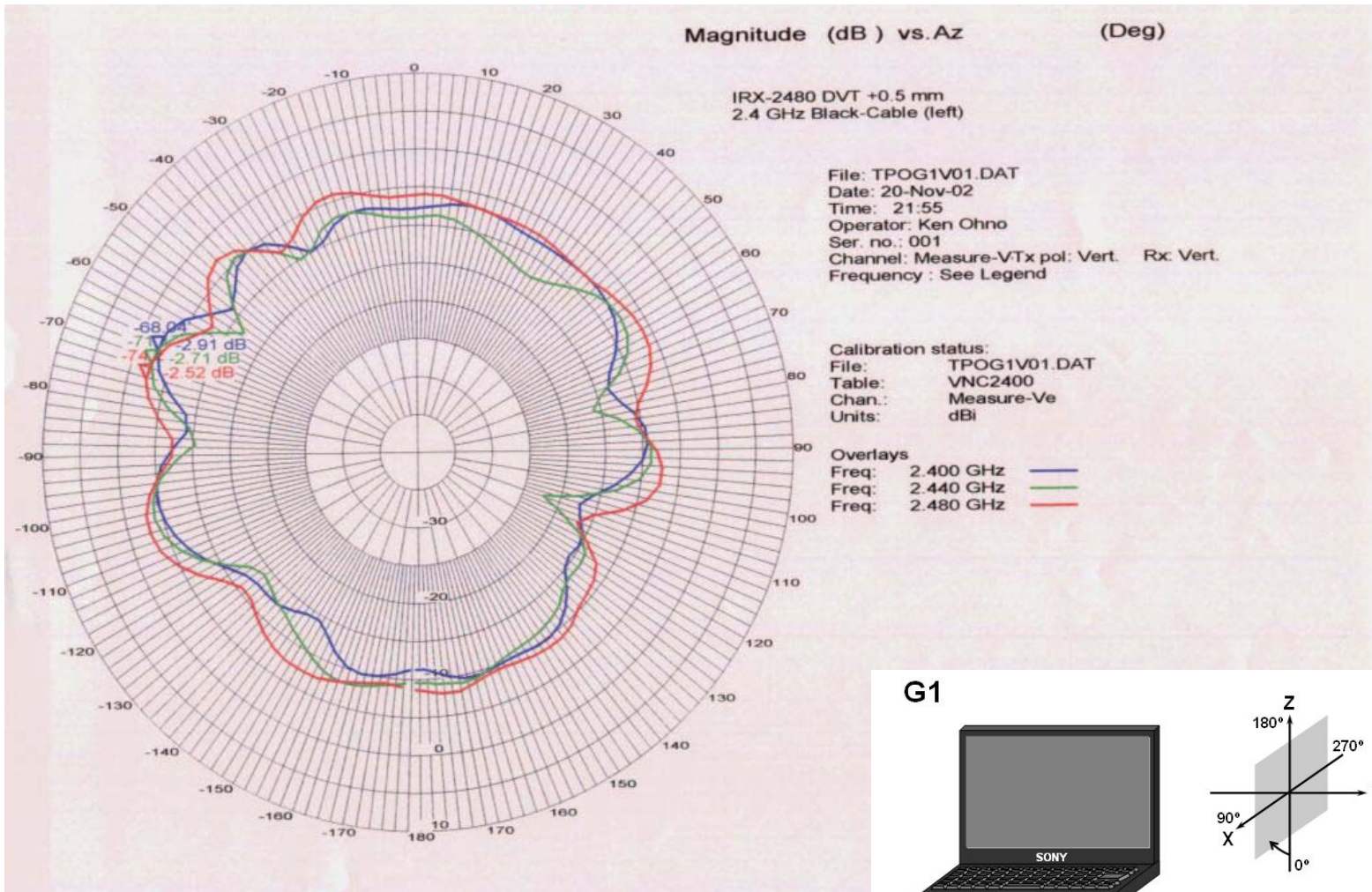


G1



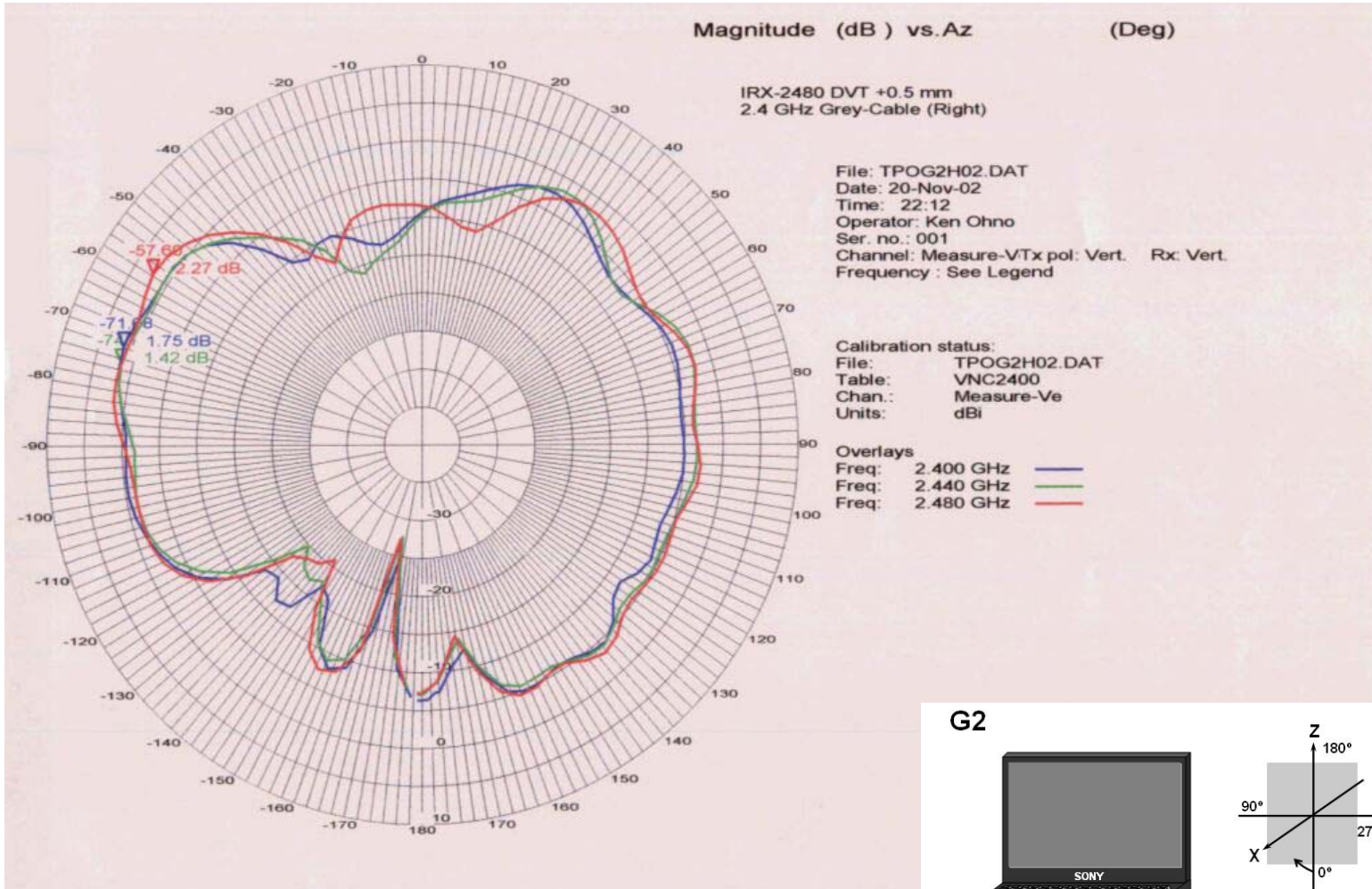
X - Z plane
Vertical direction : Y axis
Horizontal : X axis, Z axis

4. X-Z plane/Vertical/Left Antenna

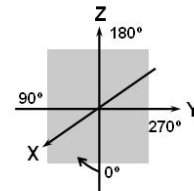


X-Z plane
Vertical direction : Y axis
Horizontal direction : X axis, Z axis

5. Y-Z plane/Horizontal/Right Antenna

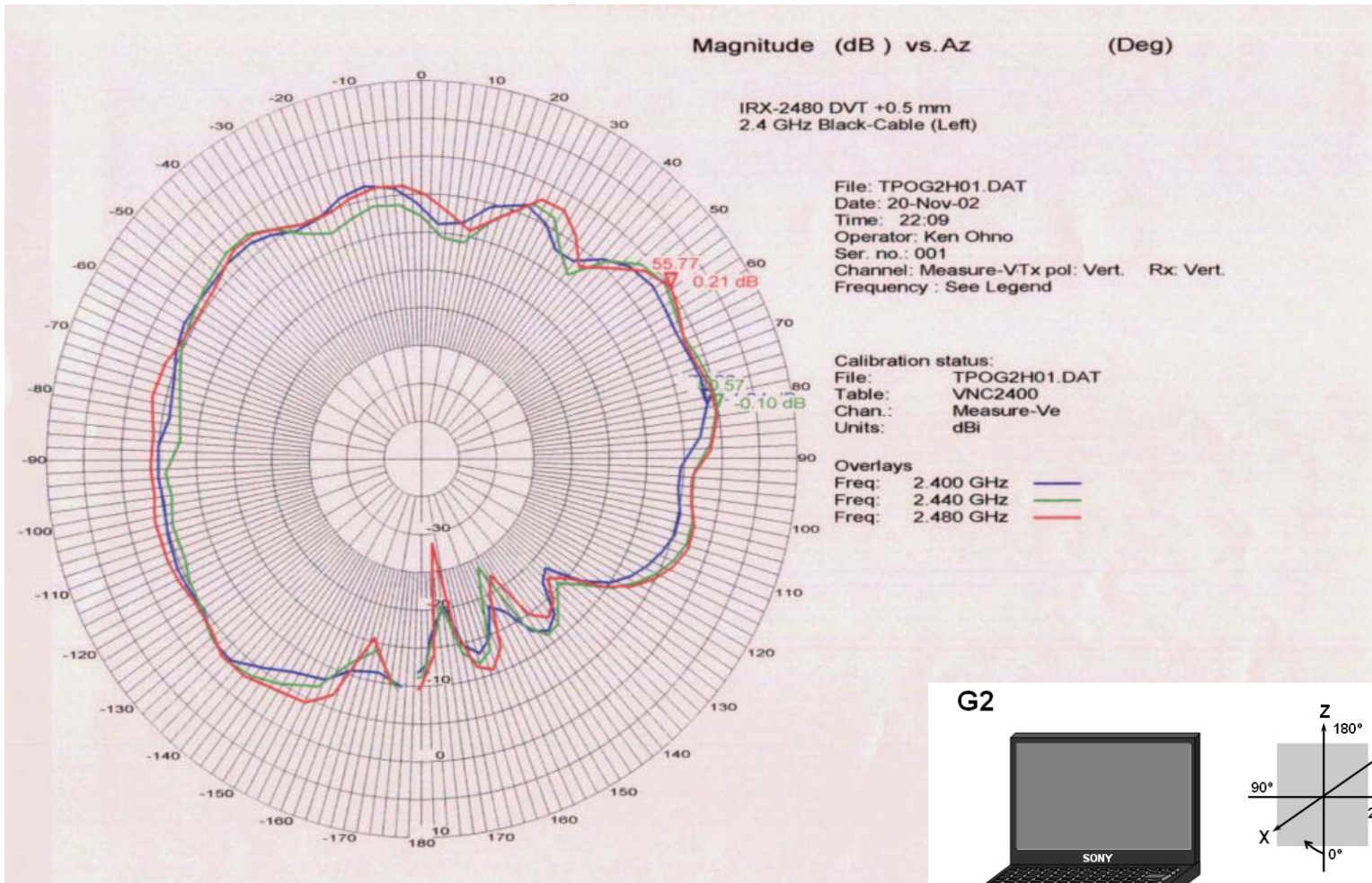


G2



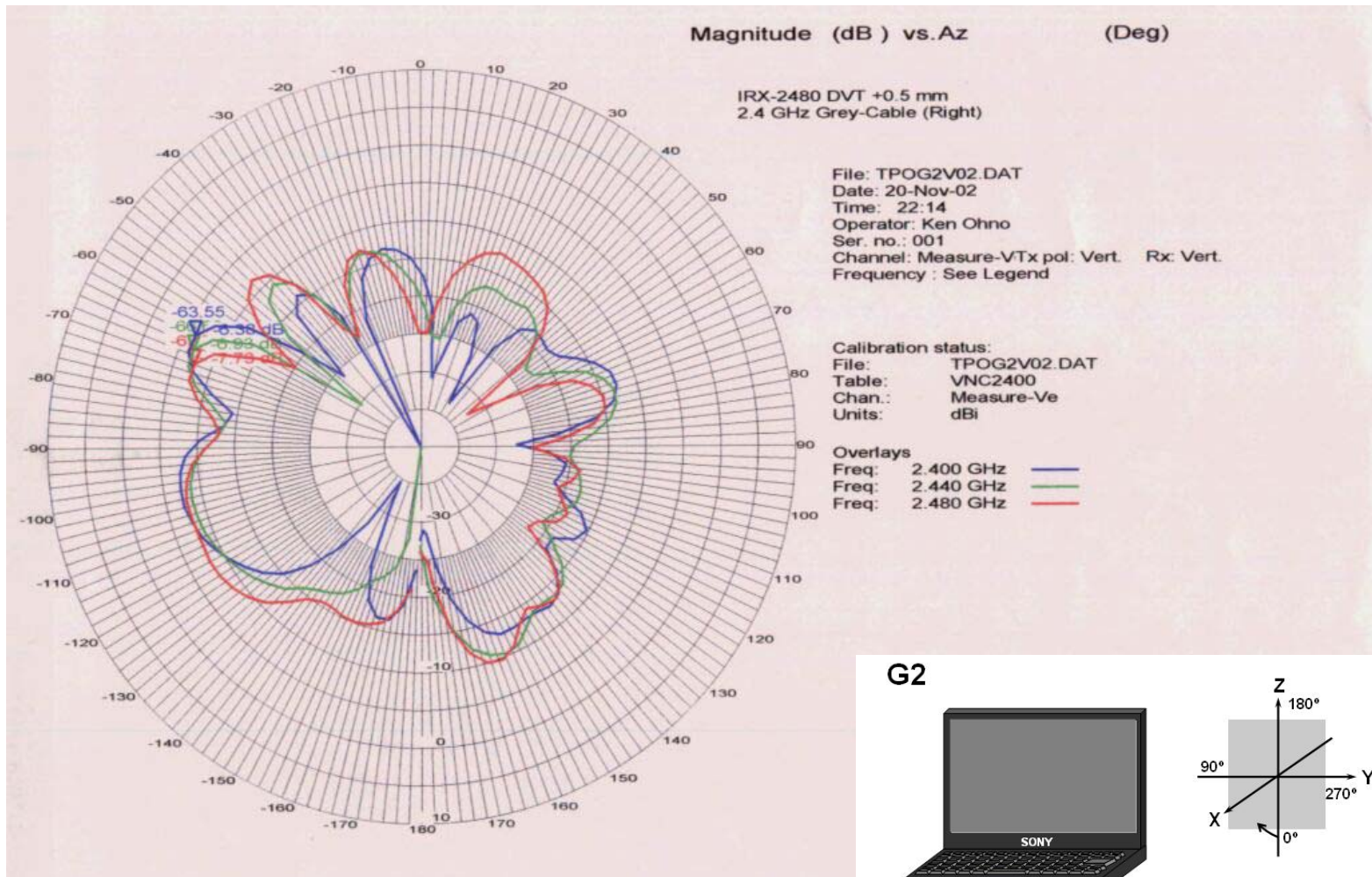
Y - Z plane
Vertical direction : X axis
Horizontal direction : Y axis, Z axis

6. Y-Z plane/Horizontal/Left Antenna

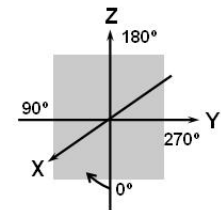


Y - Z plane
Vertical direction : X axis
Horizontal direction : Y axis, Z axis

7. Y-Z plane/Vertical/Right Antenna



G2

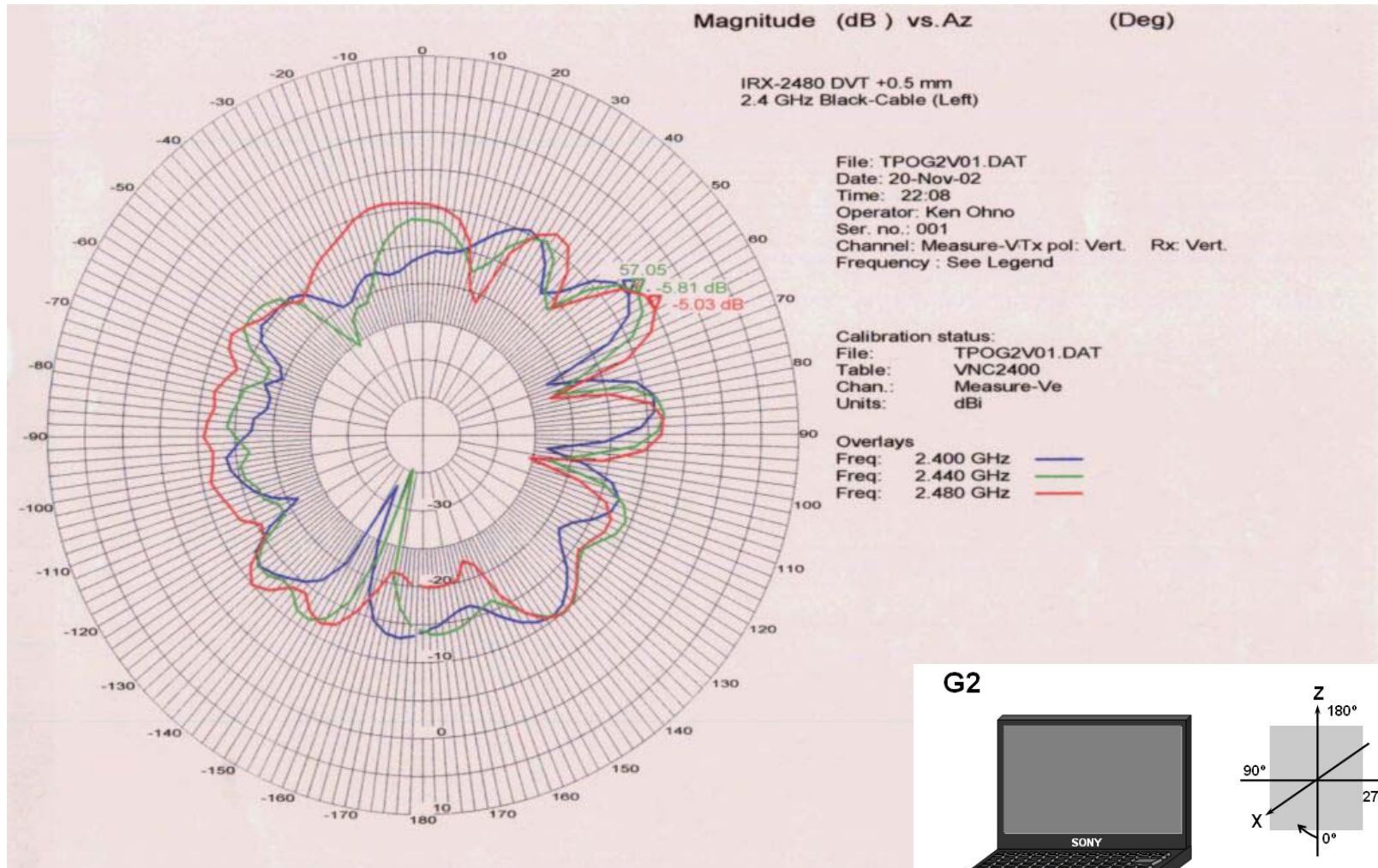


Y - Z plane

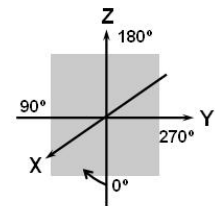
Vertical direction : X axis

Horizontal direction : Y axis, Z axis

8. Y-Z plane/Vertical/Left Antenna

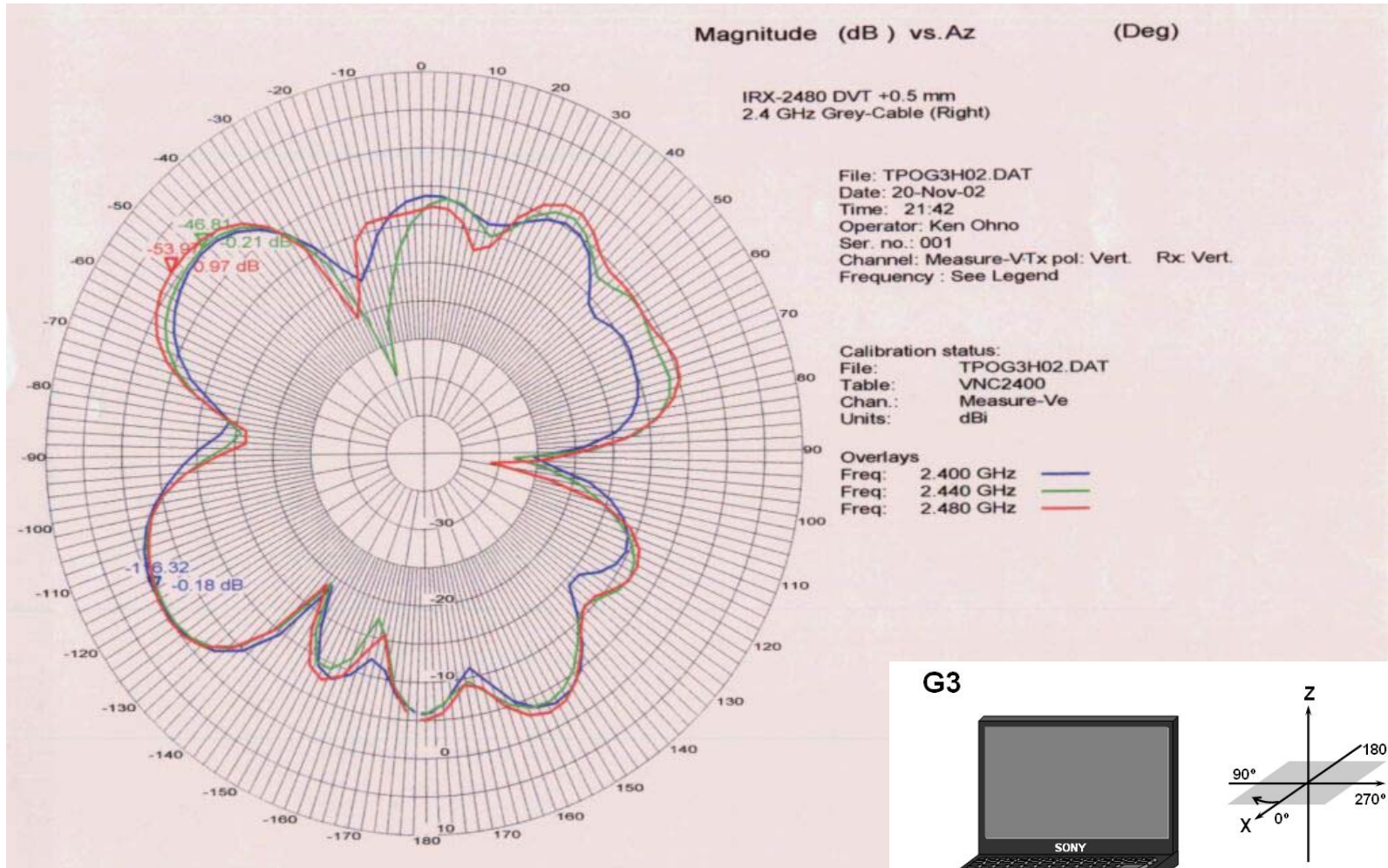


G2

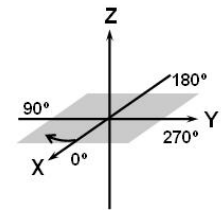


Y-Z plane
Vertical direction : X axis
Horizontal direction : Y axis, Z axis

9. X-Y plane/Horizontal/Right Antenna

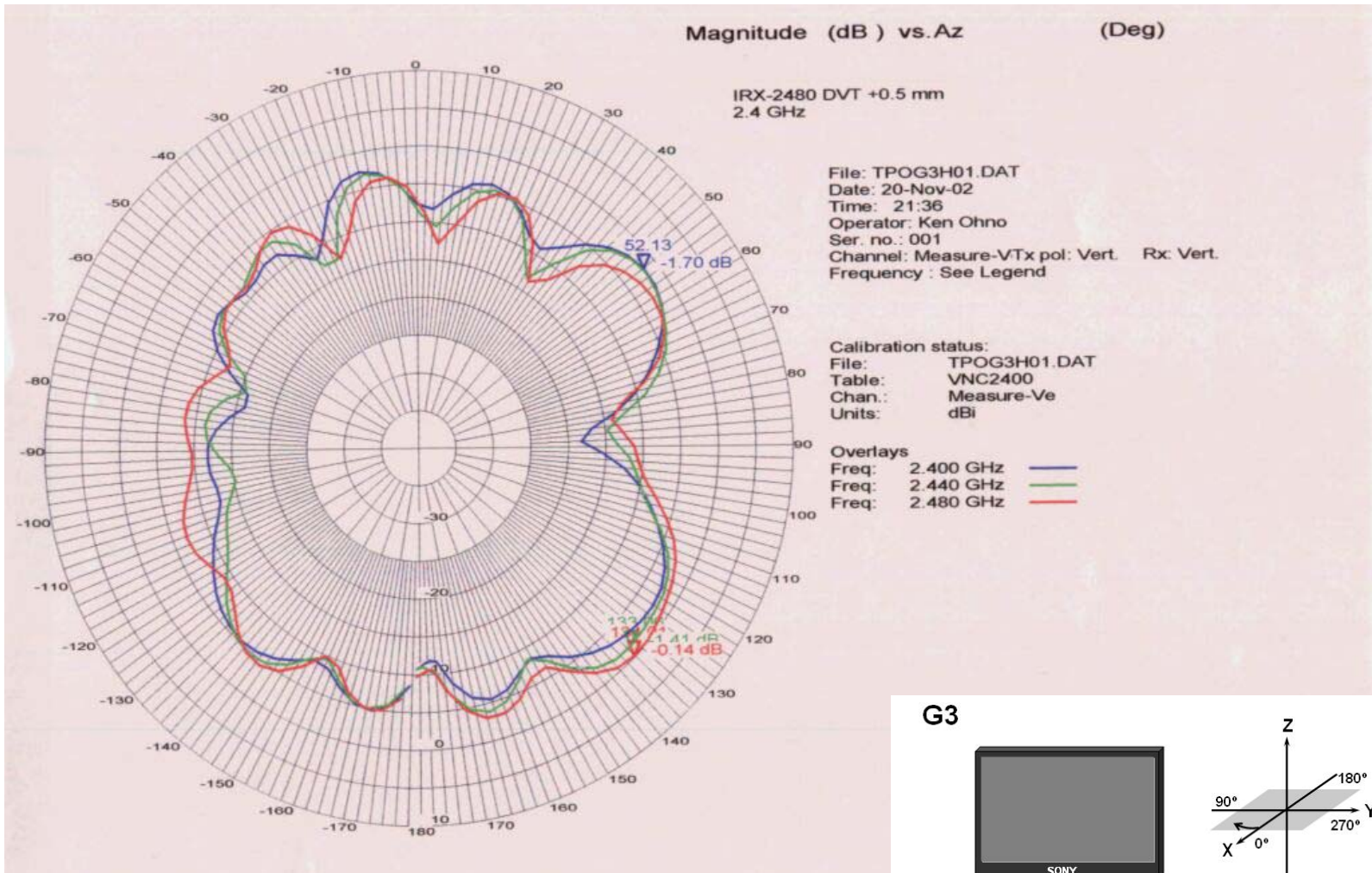


G3

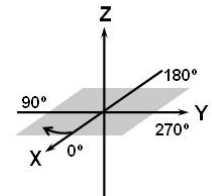


X-Y plane
Vertical direction : Z axis
Horizontal direction : X axis, Y axis

10. X-Y plane/Horizontal/Left Antenna

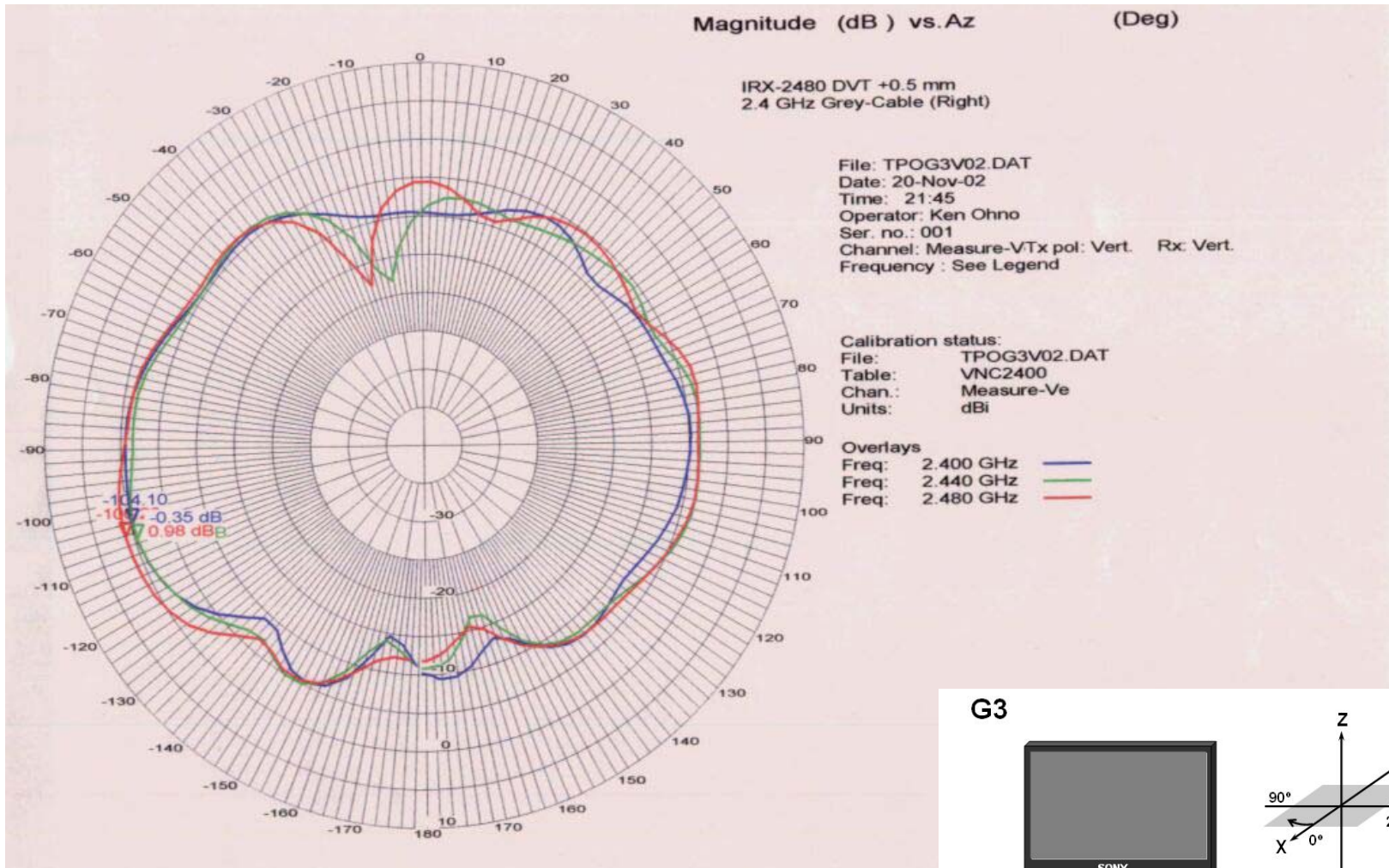


G3

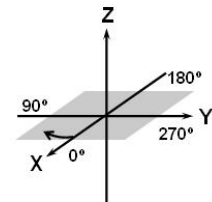
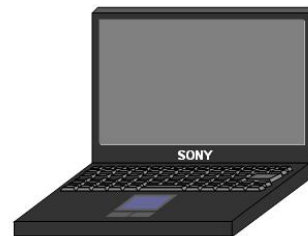


X - Y plane
Vertical direction : Z axis
Horizontal direction : X axis, Y axis

11. X-Y plane/Vertical/Right Antenna

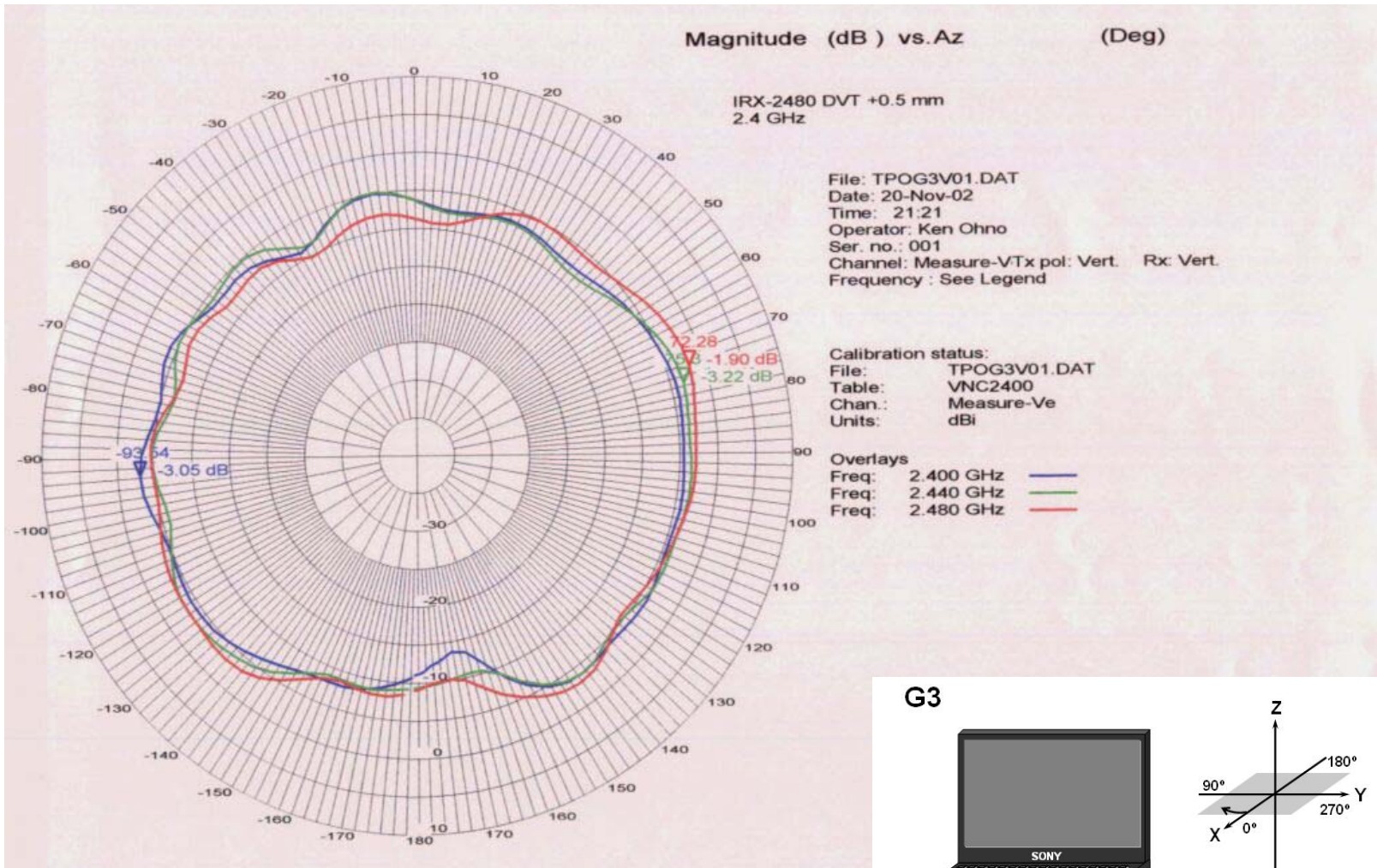


G3

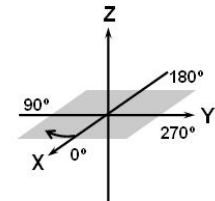


X - Y plane
Vertical direction : Z axis
Horizontal direction : X axis, Y axis

12. X-Y plane/Vertical/Left Antenna



G3



X - Y plane
Vertical direction : Z axis
Horizontal direction : X axis, Y axis