

Bluetooth Antenna Specification

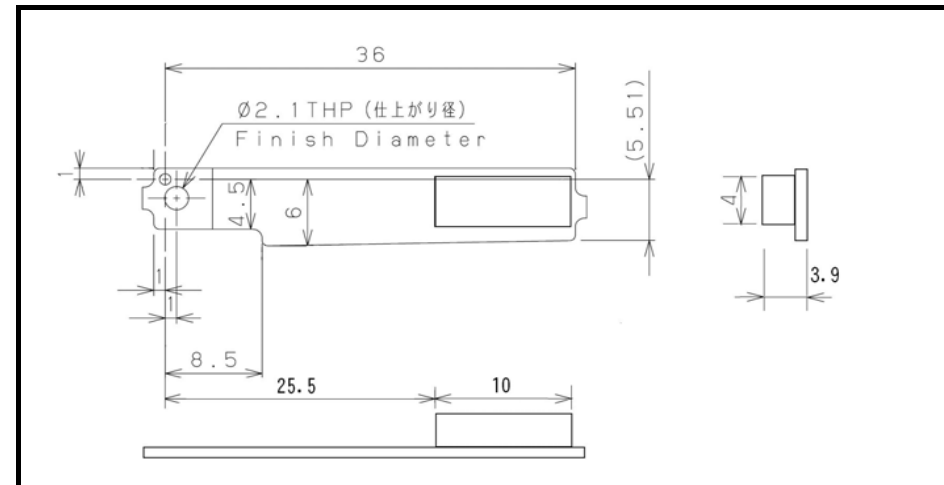
2006.1.4
FUJITSU Limited

■ Model: CP228560-X1

■ Appearance:



■ Dimention:



■ Features:

Impedance

50 Ω

Frequency Band

2400~2500MHz

■ MAX Gain: 2.78dBi

■ VSWR: 1.79

To : FUJITSU LIMITED

Application : For Bluetooth
Antenna Model : YCE-5250
Measurement Condition : GROSSO Disp.-Open
Antenna Matching : Non
Cable Loss : Include Loss 0.8dB

Measurement Institution : Yokowo No.3 Radio Measuring Site
Date : 2005/02/24
Measured by : M.Yamada

f=2400MHz

Plane	Tx	Peak. Gain [dBi]	Avg. Gain [dBi]	Tx H & V Avg. [dBi]	Each Freq. Avg. [dBi]
X-Y	Horizontal	-2.45	-5.70	-7.19	-7.84
	Vertical	-3.84	-9.47		
Y-Z	Horizontal	-5.67	-11.85	-9.35	
	Vertical	-1.57	-7.77		
Z-X	Horizontal	0.42	-7.23	-7.29	
	Vertical	-3.02	-7.36		

X-Y Plane All Avg. (All Freq.)	-6.5 dBi
Y-Z Plane All Avg. (All Freq.)	-8.2 dBi
Z-X Plane All Avg. (All Freq.)	-6.8 dBi
All Plane & All Freq. Avg.	-7.1 dBi

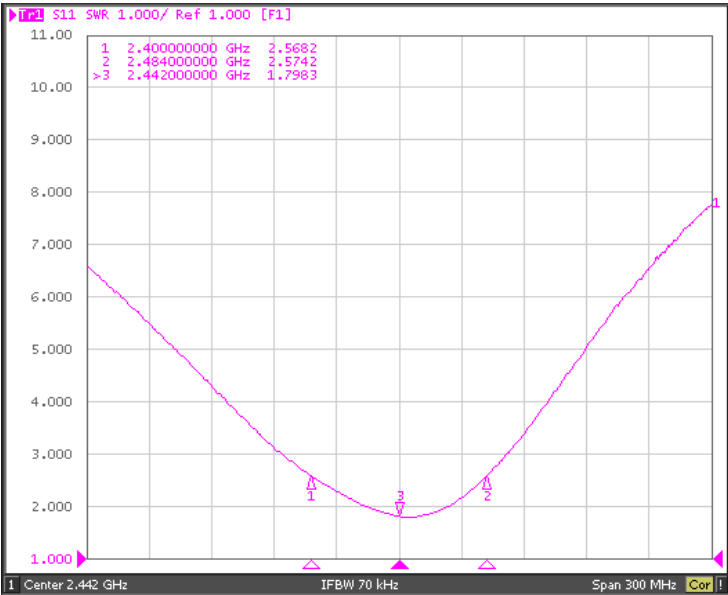
f=2442MHz

Plane	Tx	Peak. Gain [dBi]	Avg. Gain [dBi]	Tx H & V Avg. [dBi]	Each Freq. Avg. [dBi]
X-Y	Horizontal	-0.57	-4.21	-5.90	-6.42
	Vertical	-3.64	-8.72		
Y-Z	Horizontal	-4.64	-10.37	-7.56	
	Vertical	0.92	-5.87		
Z-X	Horizontal	2.78	-5.62	-5.99	
	Vertical	-1.56	-6.39		

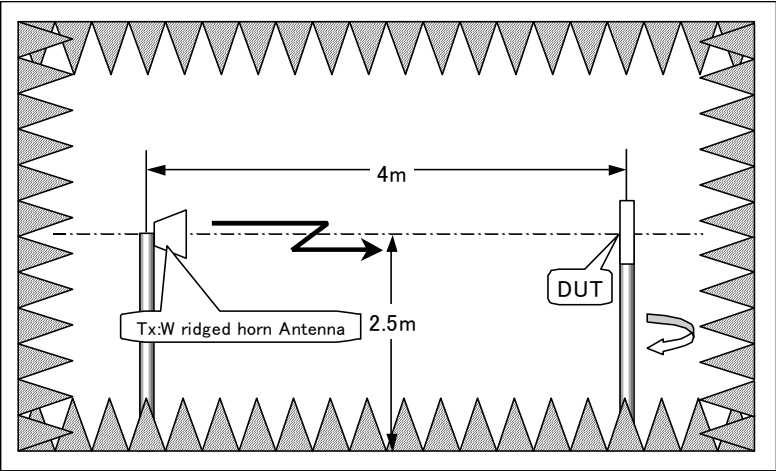
f=2484MHz

Plane	Tx	Peak. Gain [dBi]	Avg. Gain [dBi]	Tx H & V Avg. [dBi]	Each Freq. Avg. [dBi]
X-Y	Horizontal	-0.99	-4.86	-6.62	-7.23
	Vertical	-5.28	-9.63		
Y-Z	Horizontal	-4.37	-10.60	-7.77	
	Vertical	0.47	-6.07		
Z-X	Horizontal	1.37	-6.87	-7.38	
	Vertical	-2.65	-7.95		

VSWR



Measurement Condition



Antenna Coordinated



Field Pattern X-Y Plane

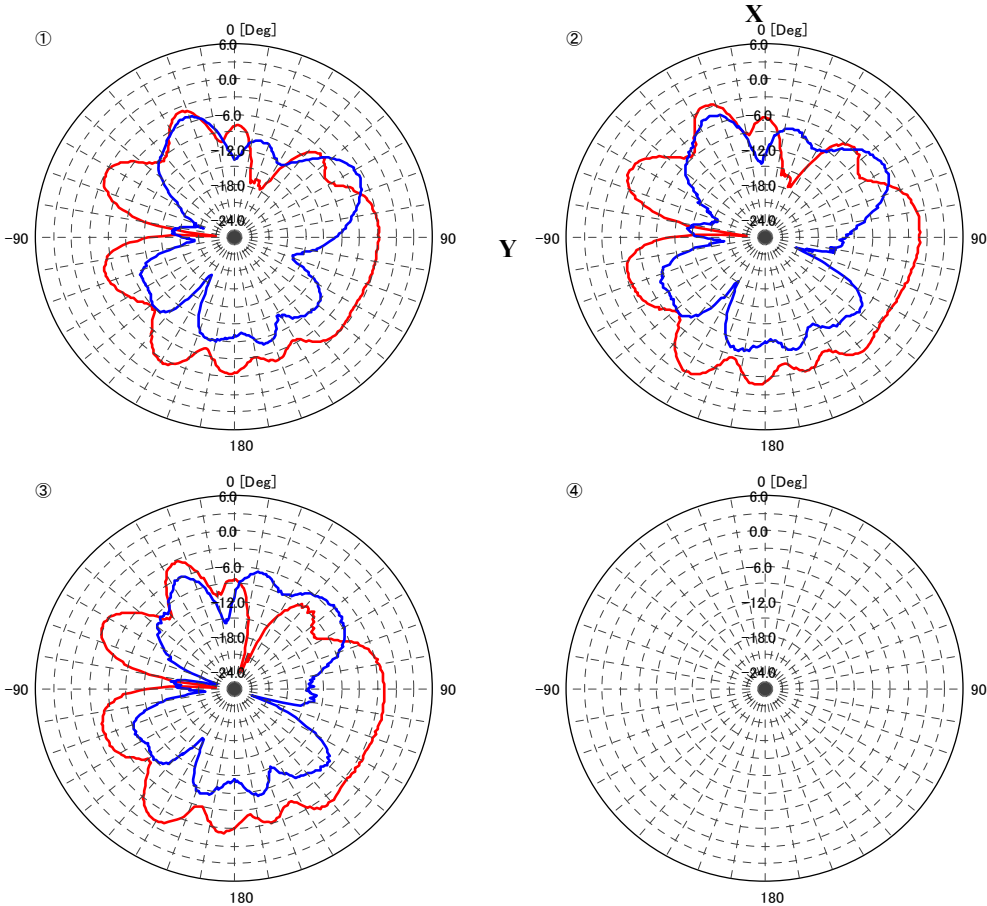
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Yamada

05年02月24日

Fujitsu-GROSSO Open X-Y

All AVG. -6.54[dBi]
All MAX. AVG. -2.49[dBi]

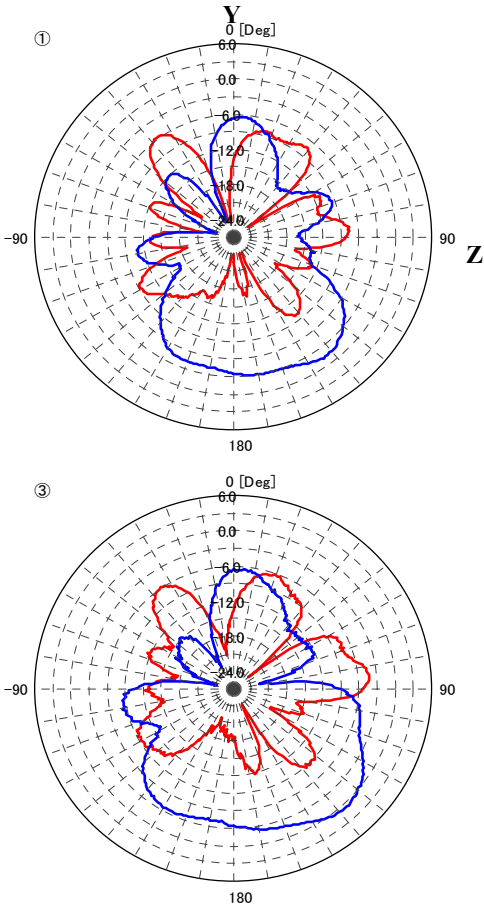


	Line	No.	Frequency[MHz]	MEMO		MAX. Gain[dBi]	AVG. Gain[dBi]
1	—	①	2400.00	Tx-H		-2.45	-5.70
2	—	①	2400.00	Tx-V		-3.84	-9.47
3	—	②	2442.00	Tx-H		-0.57	-4.21
4	—	②	2442.00	Tx-V		-3.64	-8.72
5	—	③	2484.00	Tx-H		-0.99	-4.86
6	—	③	2484.00	Tx-V		-5.28	-9.63

Field Pattern Y-Z Plane

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Fujitsu-GROSSO Open Y-Z

All AVG. -8.16[dBi]
All MAX. AVG. -1.73[dBi]

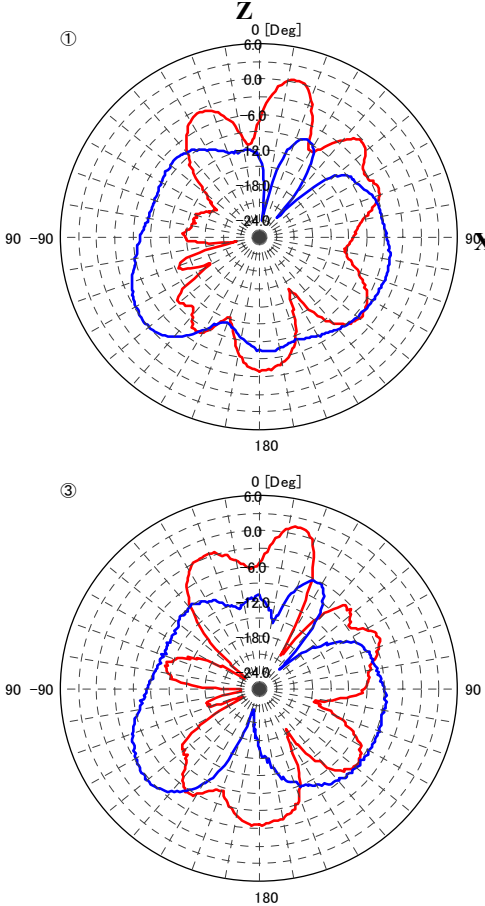


	Line	No.	Frequency[MHz]	MEMO		MAX. Gain[dBi]	AVG. Gain[dBi]
1	—	①	2400.00	Tx-H		-5.67	-11.85
2	—	①	2400.00	Tx-V		-1.57	-7.77
3	—	②	2442.00	Tx-H		-4.64	-10.37
4	—	②	2442.00	Tx-V		0.92	-5.87
5	—	③	2484.00	Tx-H		-4.37	-10.60
6	—	③	2484.00	Tx-V		0.47	-6.07

Field Pattern Z-X Plane

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Yamada
05年02月24日
Fujitsu-GROSSO Open Z-X

All AVG. -6.84[dBi]
All MAX. AVG. 0.08[dBi]



	Line	No.	Frequency[MHz]	MEMO		MAX. Gain[dBi]	AVG. Gain[dBi]
1	—	①	2400.00	Tx-H		0.42	-7.23
2	—	①	2400.00	Tx-V		-3.02	-7.36
3	—	②	2442.00	Tx-H		2.78	-5.62
4	—	②	2442.00	Tx-V		-1.56	-6.39
5	—	③	2484.00	Tx-H		1.37	-6.87
6	—	③	2484.00	Tx-V		-2.65	-7.95