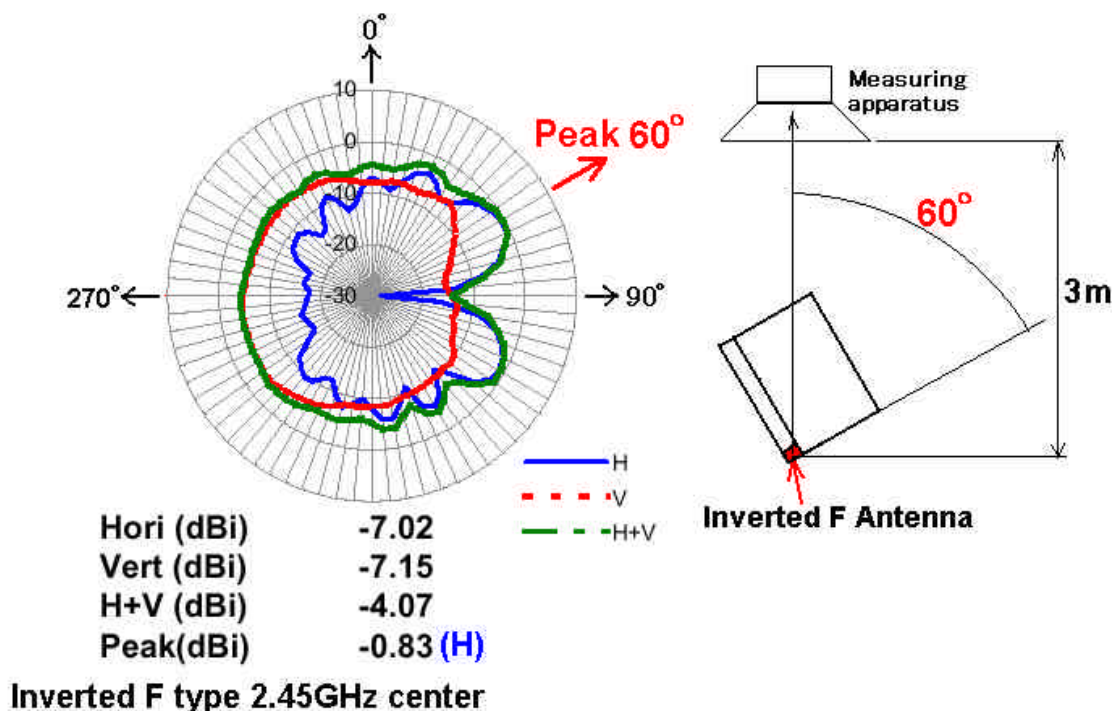


# RF Exposure

The maximum gain of the new antenna is – **0.83 dBi** as shown below.



The following table shows the comparison of antenna gains for the 3 kinds of transmission antennas integrated in the applying equipment.

	LCD type of PC	Antenna type	IBM Parts number	Maximum antenna Gain	Peak field strength in operation band
<b>Previous granted antennas</b>	13 inch	Dipole	26P9744	- <b>0.11</b> dBi	<b>109.8</b> dB $\mu$ V/m
	14 inch	Inverted-F	26P9745	- <b>1.58</b> dBi	<b>109.2</b> dB $\mu$ V/m
<b>New Antenna</b>	14 inch	Inverted-F	46L4967	- <b>0.83</b> dBi	<b>106.5</b> dB $\mu$ V/m *1

\*1: Please refer to page 14 of the emission test report.

Both **maximum antenna gain** and **peak field strength of the intentional radiator** are lower than the ones of the previous granted measurement results.

Also the user's option wireless adapters connected to the applying equipment are the same as the previous ones as shown below.

Interface	FCC ID	Grantee Name	Product Name	Granted Date	EIRP in FCC test report
USB port	PI4BT-ULTRA	TDK Systems Europe Ltd.	Bluetooth Ultraport Module	May/22/2001	1.4 mW
PCMCIA slot	O2OBTPCM101	Degianswer A/S	Motorola Bluetooth 0dBm PC-Card (type no.: BTPCM100)	October/18/2000	2.7mW
	PI4BT-IBM-PCII	TDK Systems Europe Ltd.	Bluetooth PC Card II	August/21/2001	1.0mW

Therefore the total RF exposure of the applying equipment never exceed the previous grant condition, so it conforms to the Requirement.