

9.9 Radiated Spurious Emission Measurement Result (above 1GHz)

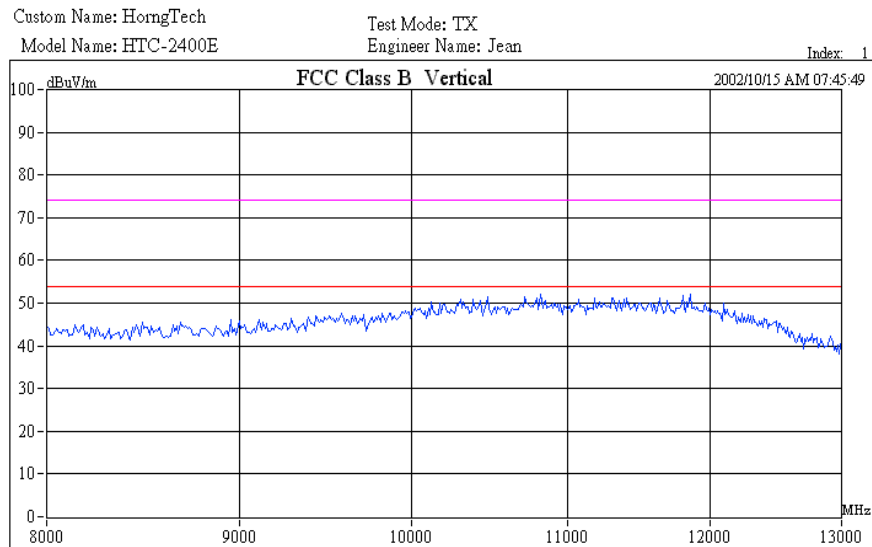
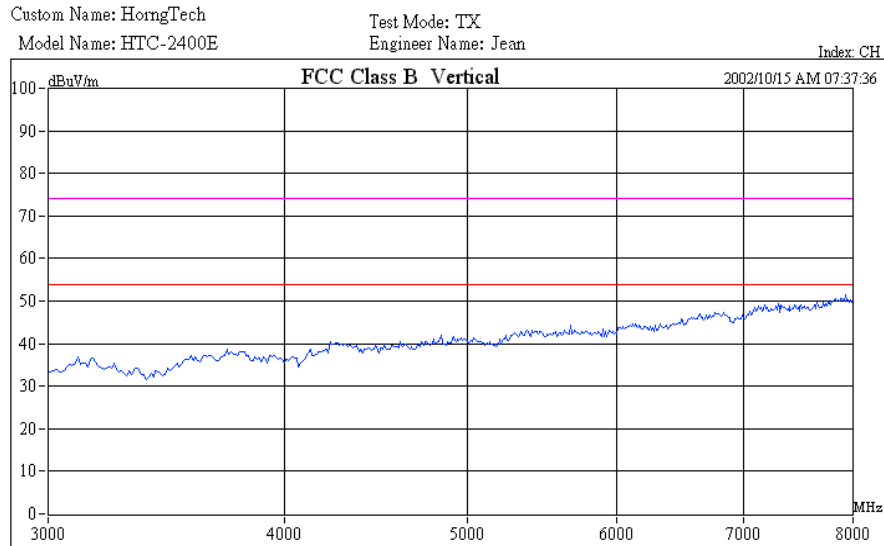
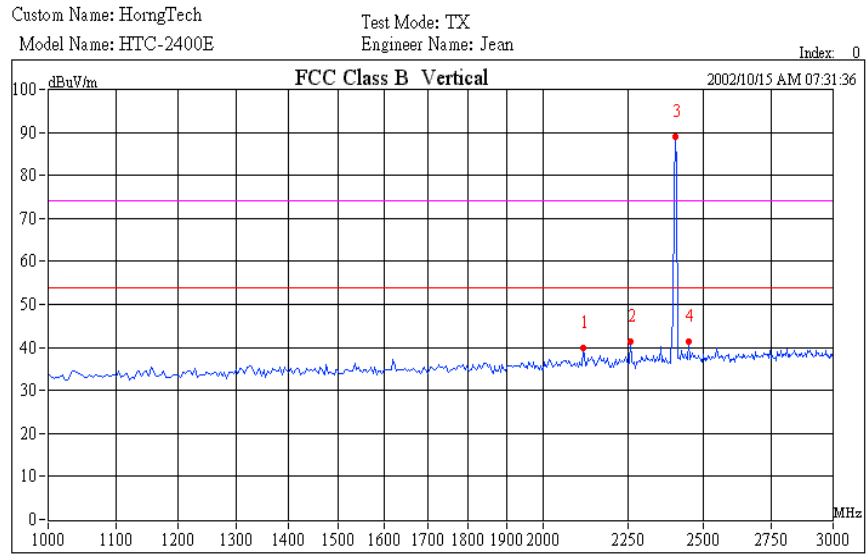
Operation Mode:	TX Mode	Test Date :	10/15/2002
Fundamental Frequency:	2402MHz (CH Low)	Test By:	Jean
Temperature :	25 °C	Pol:	Ver. / Hor.
Humidity :	68 %		

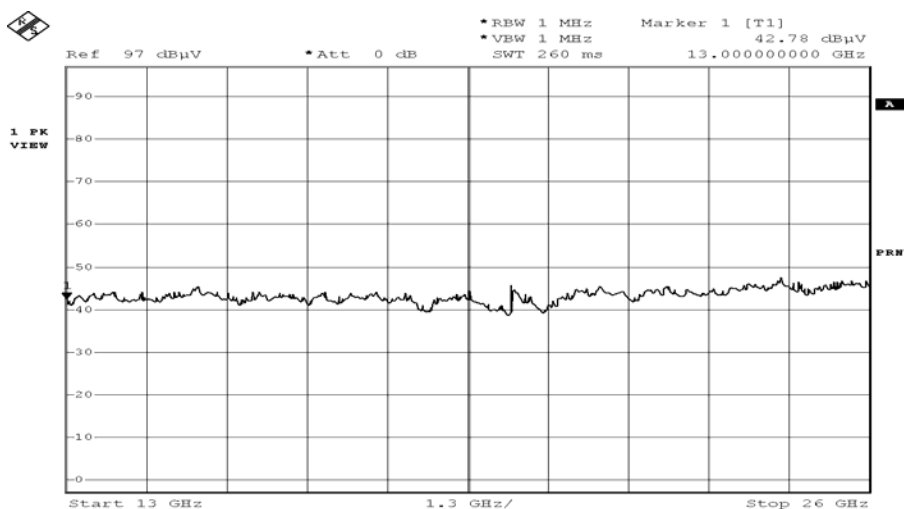
Freq. (MHz)	Ant. Pol	Peak Reading (dBuV)	AV Reading (dBuV)	CF (dB)	Actual Peak (dBuV/m)	Actual FS (dBuV/m)	Peak Limit at 3m (dBuV/m)	AV Limit at 3m (dBuV/m)	Margin (dB)
2116.0	V	39.97		-7.16	32.81		74.00	54.00	-21.19
2260.0	V	41.47		-6.61	34.86		74.00	54.00	-19.14
2452.0	V	41.48		-5.93	35.55		74.00	54.00	-18.45
2116.0	H	47.69		-7.16	40.53		74.00	54.00	-13.47
2260.0	H	48.94		-6.61	42.33		74.00	54.00	-11.67
2372.0	H	49.26		-6.21	43.05		74.00	54.00	-10.95
2452.0	H	46.78		-5.93	40.85		74.00	54.00	-13.15

Remark :

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency °
- (2) Datas of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency **above 1000MHz** were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column °
- (4) Spectrum Setting: 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 26GHz, RBW= 1MHz, VBW= 1MHz, Sweep time= 200 ms.
- (5) Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz

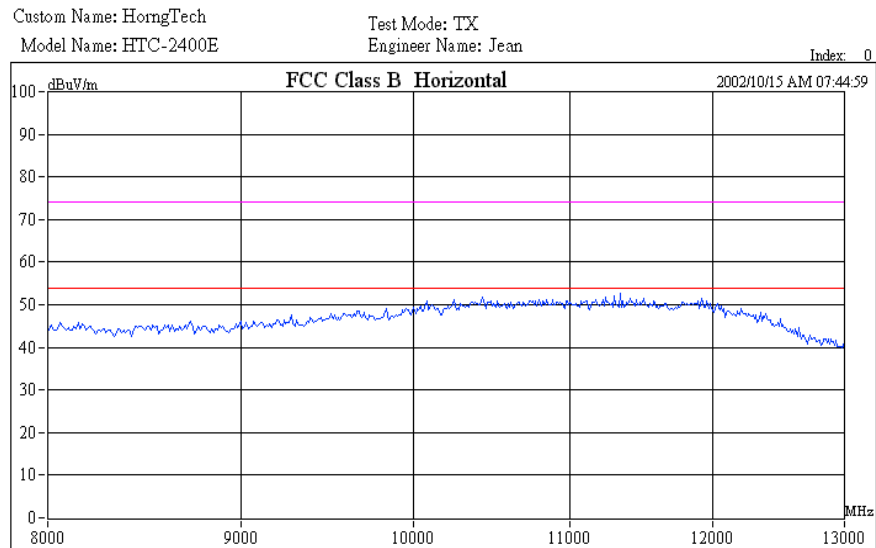
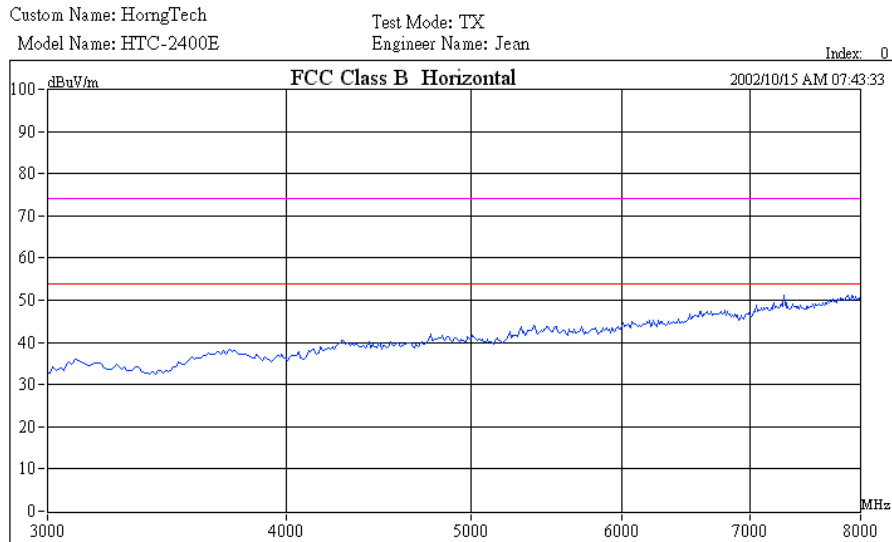
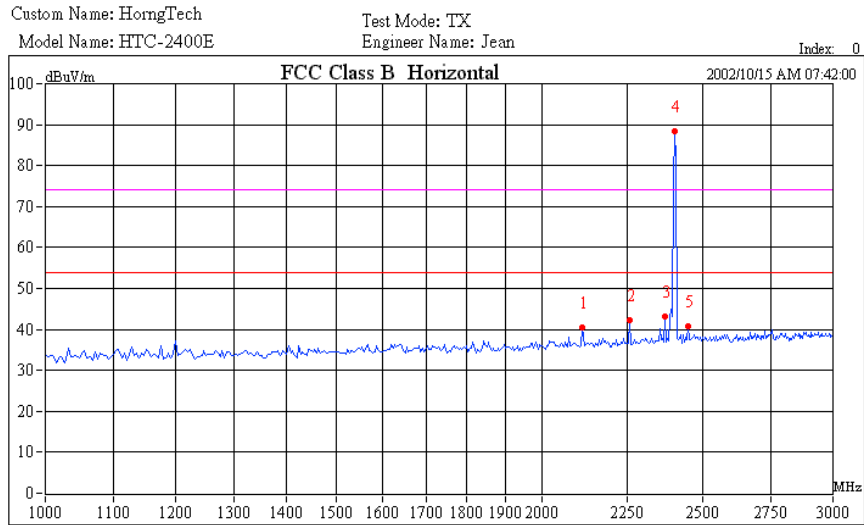
Radiated Emission test data plot (CH Low V)

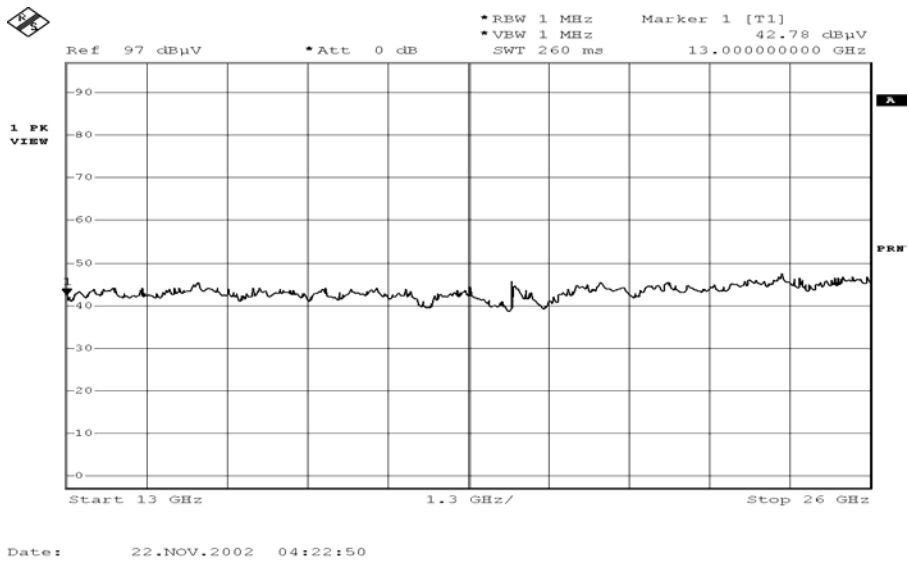




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Radiated Emission test data plot (CH Low H)





Operation Mode: TX Mode
 Fundamental Frequency: 2442MHz (CH Mid)
 Temperature : 25 °C
 Humidity : 68 %

Test Date : 10/15/2002
 Test By: Jean
 Pol: Ver. / Hor.

Freq. (MHz)	Ant.Pol	Peak Reading (dBuV)	AV Reading (dBuV)	CF (dB)	Actual Peak FS (dBuV/m)	Actual AV FS (dBuV/m)	Peak Limit at 3m (dBuV/m)	AV Limit at 3m (dBuV/m)	Margin (dB)
2204.0	V	45.98		-6.83	39.15		74.00	54.00	-14.85
2300.0	V	46.33		-6.45	39.88		74.00	54.00	-14.12
2300.0	H	49.52		-6.45	43.07		74.00	54.00	-10.93
2396.0	H	47.99		-6.13	41.86		74.00	54.00	-12.14
2492.0	H	48.04		-5.78	42.26		74.00	54.00	-11.74

Remark :

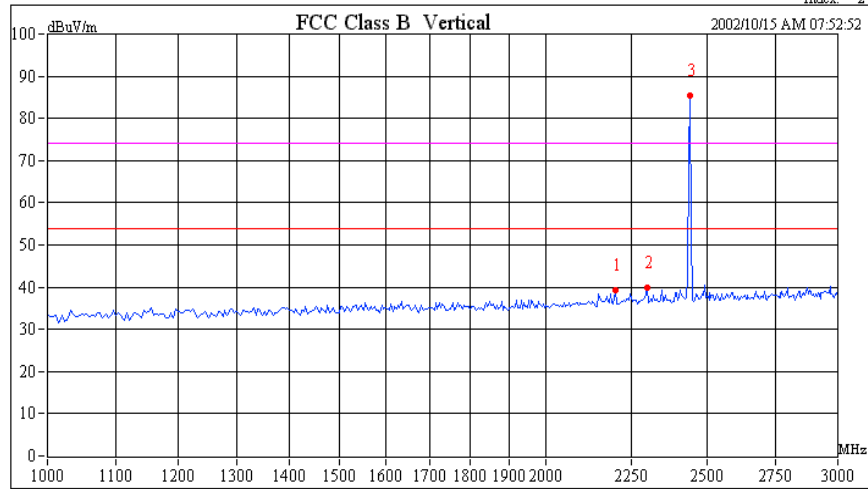
- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency °
- (2) Datas of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency **above 1000MHz** were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column °
- (4) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 26GHz, RBW= 1MHz, VBW= 1MHz, Sweep time= 200 ms.
- (5) Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz

Radiated Emission test data plot (CH Mid V)

Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX Mid
Engineer Name: Jean

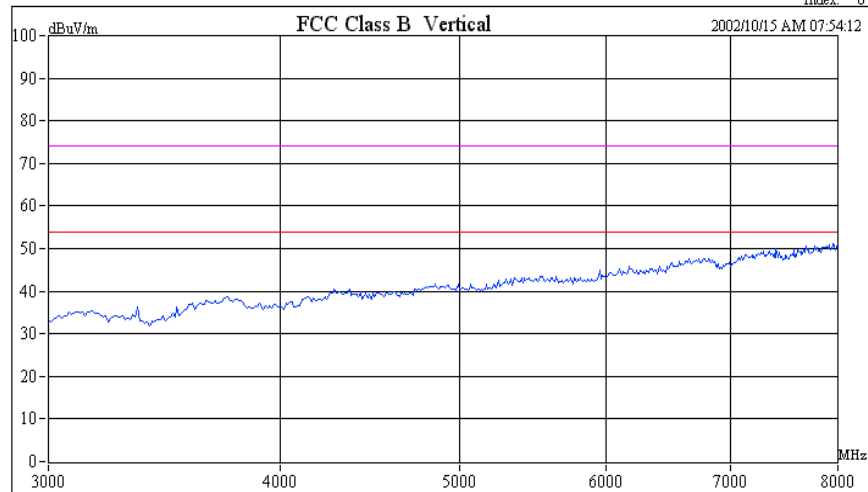
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Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX Mid
Engineer Name: Jean

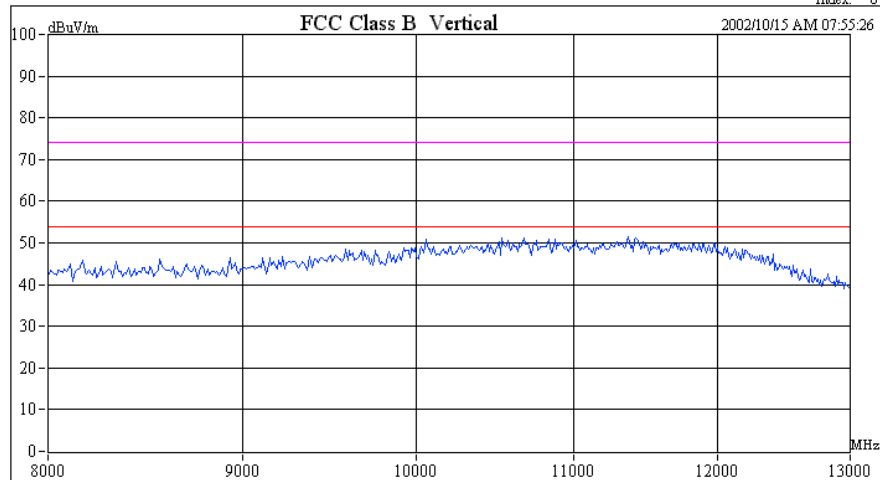
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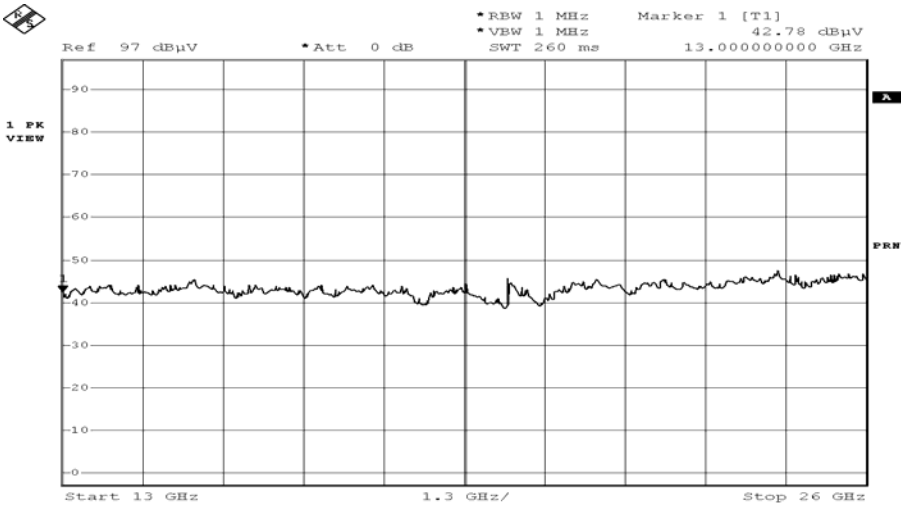


Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX Mid
Engineer Name: Jean

Index: 0





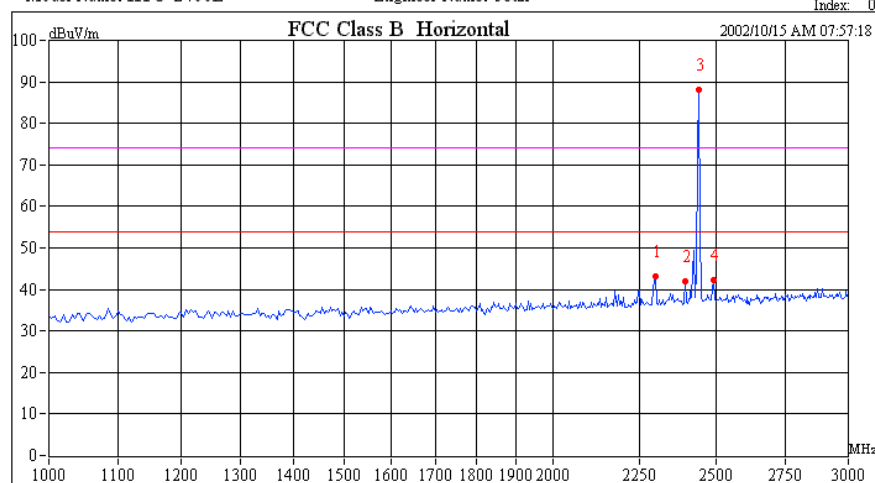
Date: 22.NOV.2002 04:22:50

Radiated Emission test data plot (CH Mid H)

Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX Mid
Engineer Name: Jean

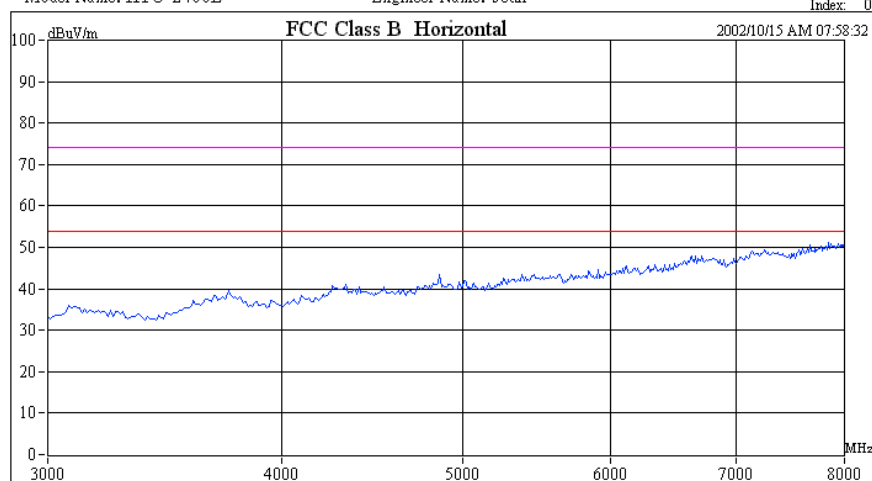
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Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX Mid
Engineer Name: Jean

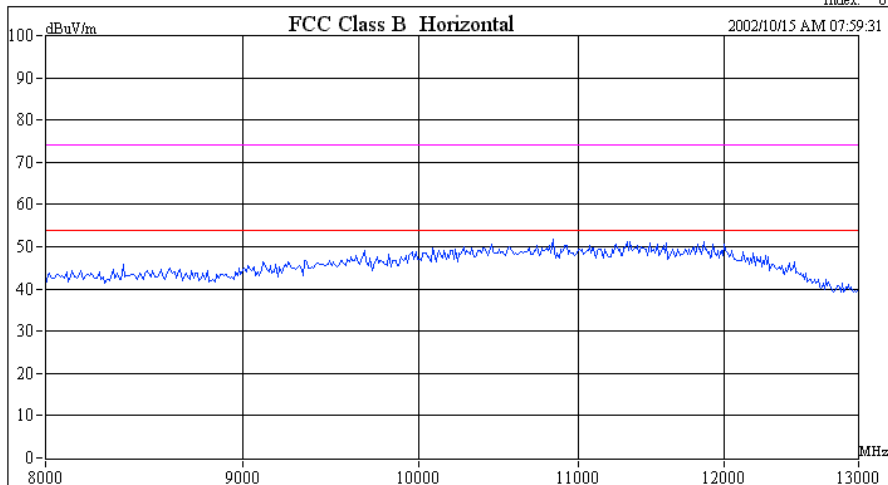
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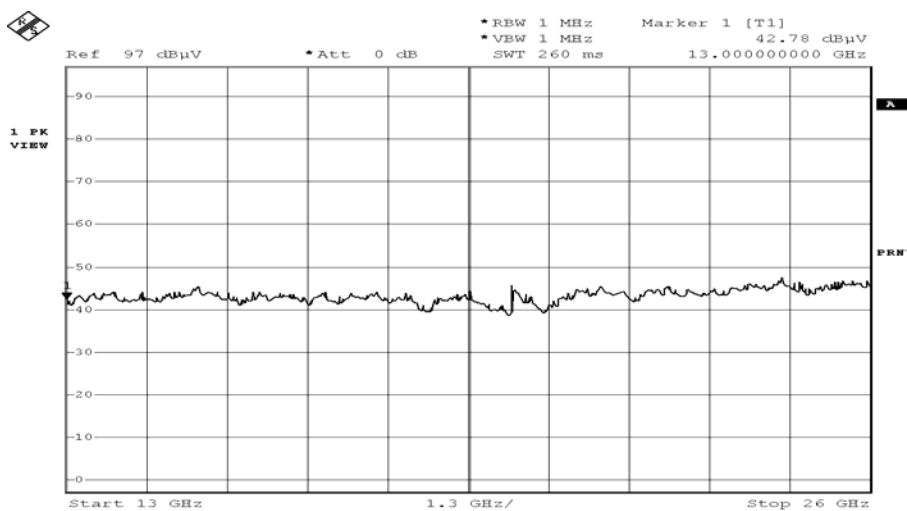


Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX Mid
Engineer Name: Jean

Index: 0





Date: 22.NOV.2002 04:22:50

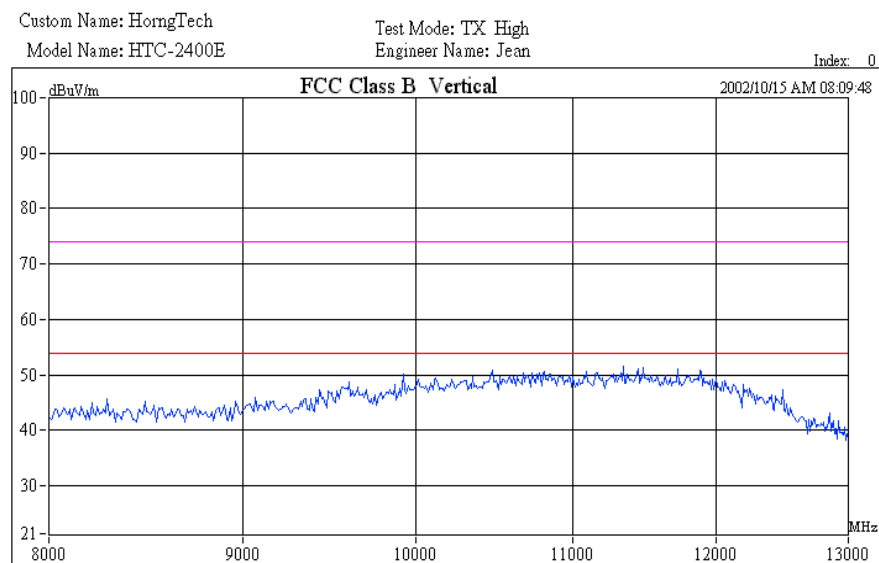
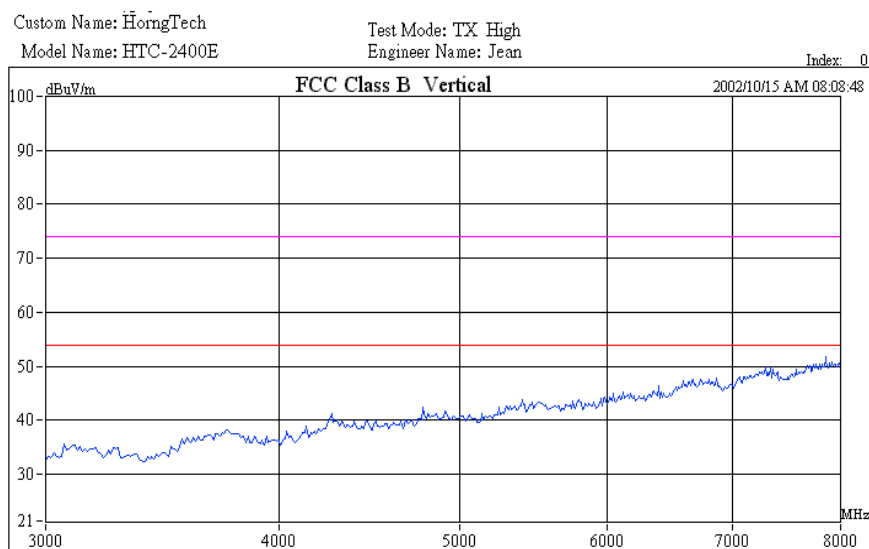
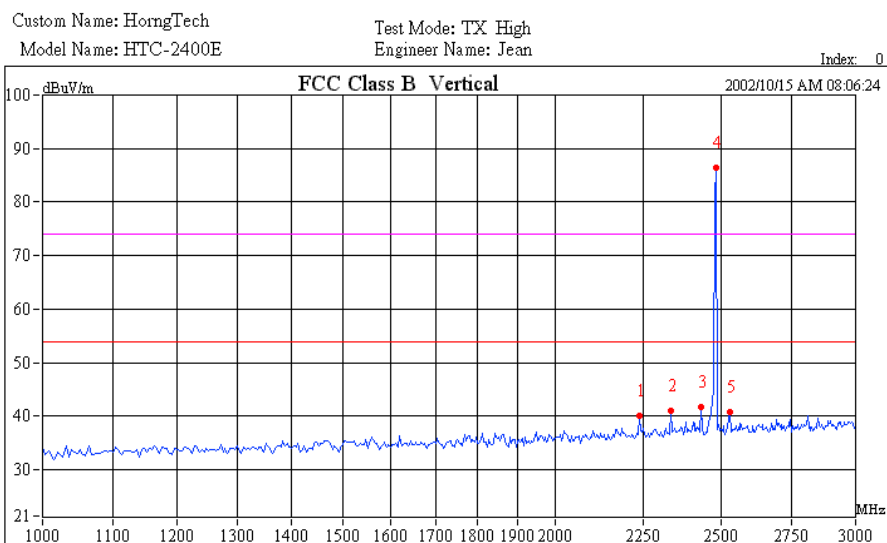
Operation Mode: TX Mode
 Fundamental Frequency: 2480MHz (CH High)
 Temperature : 25 °C
 Humidity : 68 %

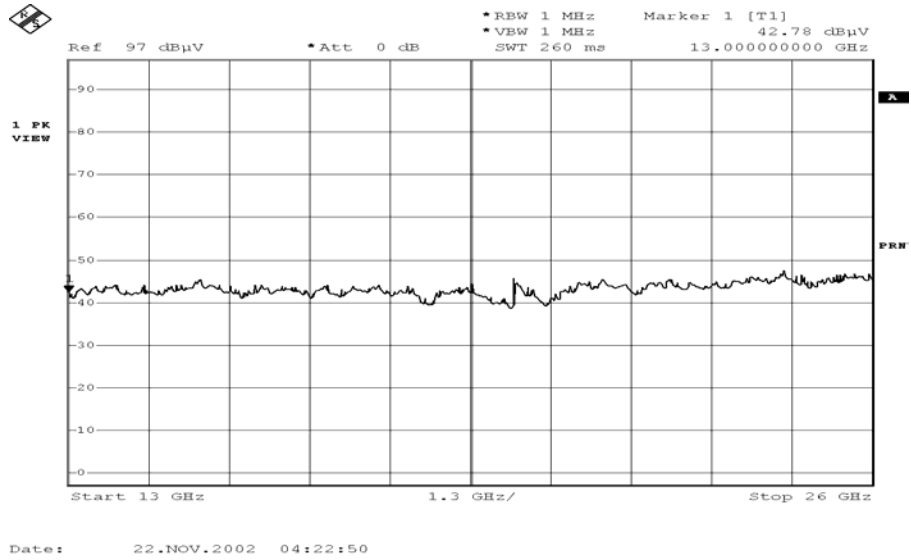
Test Date : 10/15/2002
 Test By: Jean
 Pol: Ver. / Hor.

Freq. (MHz)	Ant. Pol	Peak Reading (dBuV)	AV Reading (dBuV)	CF (dB)	Actual Peak (dBuV/m)	Actual FS (dBuV/m)	Actual AV (dBuV/m)	Actual FS (dBuV/m)	Peak Limit at 3m	AV Limit at 3m	Margin
2240.0	V	46.78		-6.69	40.09				74.00	54.00	-13.91
2336.0	V	47.37		-6.33	41.04				74.00	54.00	-12.96
2436.0	V	47.65		-5.98	41.67				74.00	54.00	-12.33
2532.0	V	46.40		-5.69	40.71				74.00	54.00	-13.29
2240.0	H	48.19		-6.69	41.50				74.00	54.00	-12.50
2336.0	H	49.11		-6.33	42.78				74.00	54.00	-11.22
2436.0	H	47.83		-5.98	41.85				74.00	54.00	-12.15
2532.0	H	47.11		-5.69	41.42				74.00	54.00	-12.58

Remark :

- (1) Measuring frequencies from 1GHz to the 10th harmonic of highest fundamental frequency °
- (2) Datas of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency **above 1000MHz** were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column °
- (4) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 26GHz, RBW= 1MHz, VBW= 1MHz, Sweep time= 200 ms.
- (5) Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz

Radiated Emission test data plot (CH High V)

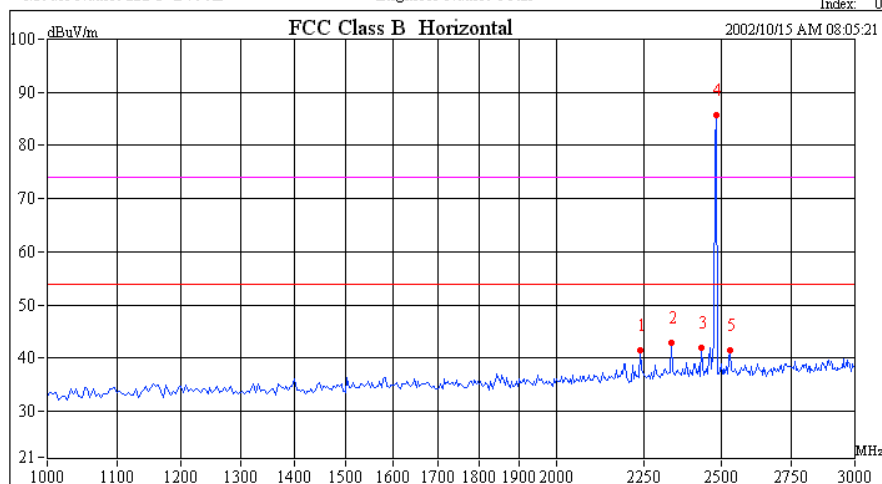


Radiated Emission test data plot (CH High H)

Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX High
Engineer Name: Jean

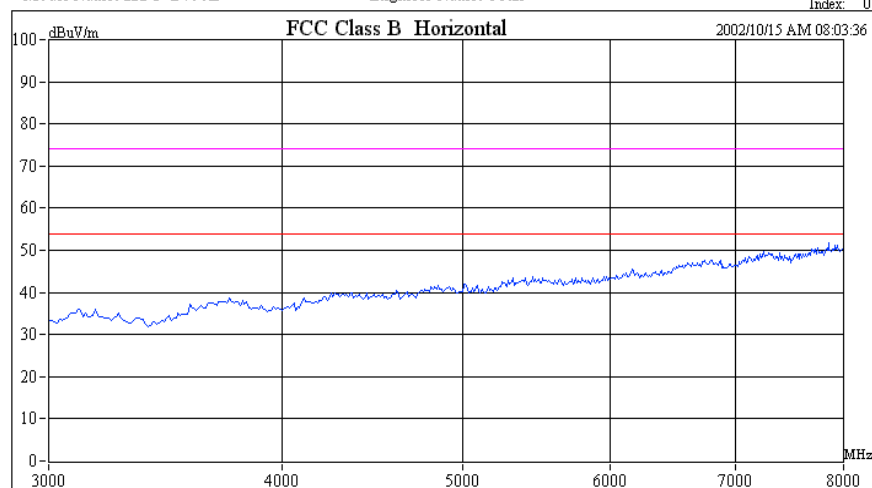
Index: 0



Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX High
Engineer Name: Jean

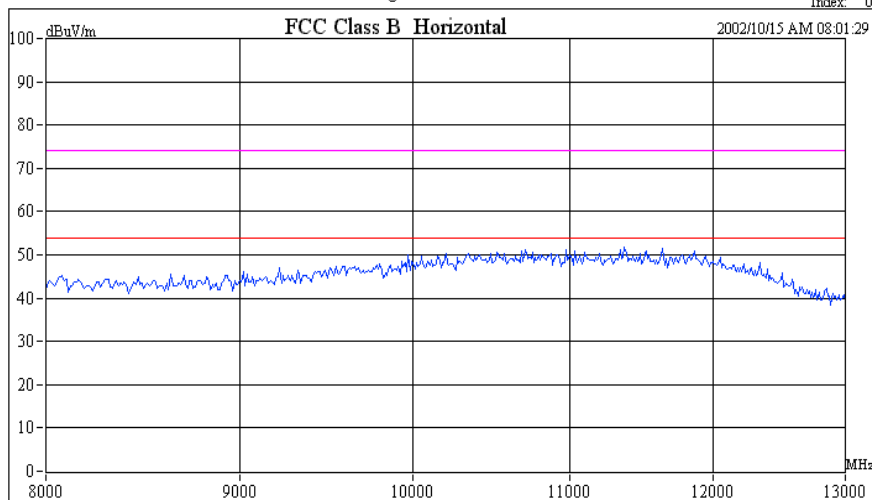
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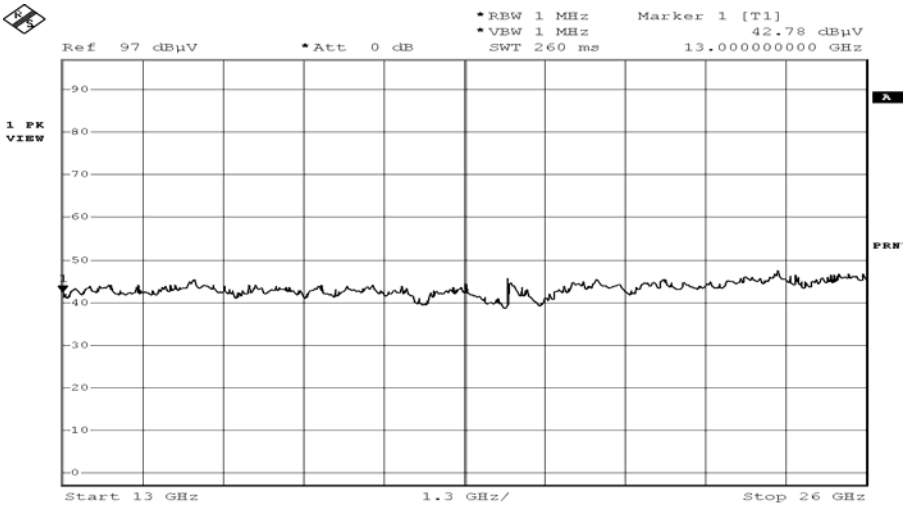


Custom Name: HorngTech
Model Name: HTC-2400E

Test Mode: TX High
Engineer Name: Jean

Index: 0





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