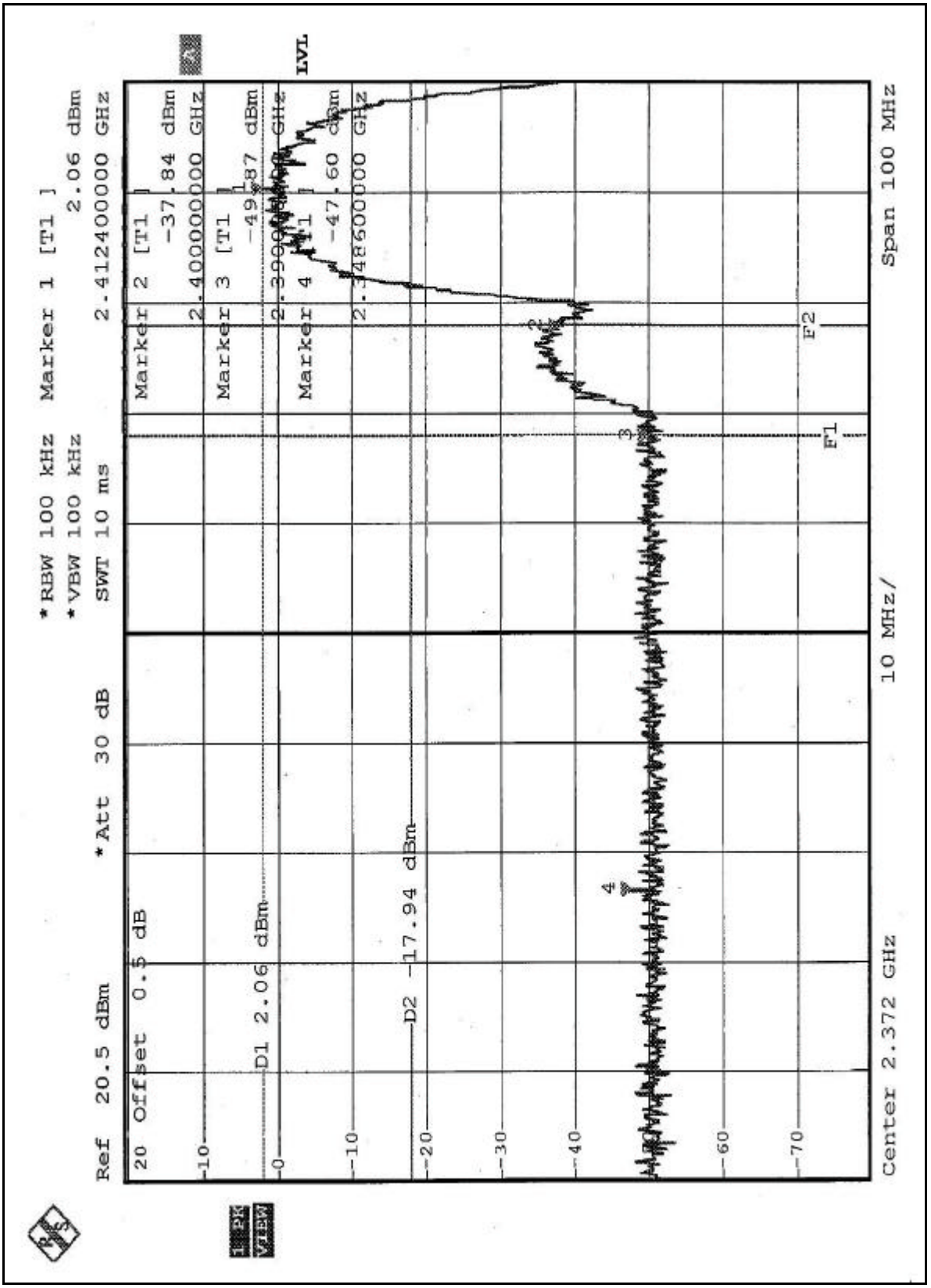
4.6.6 TEST RESULTS

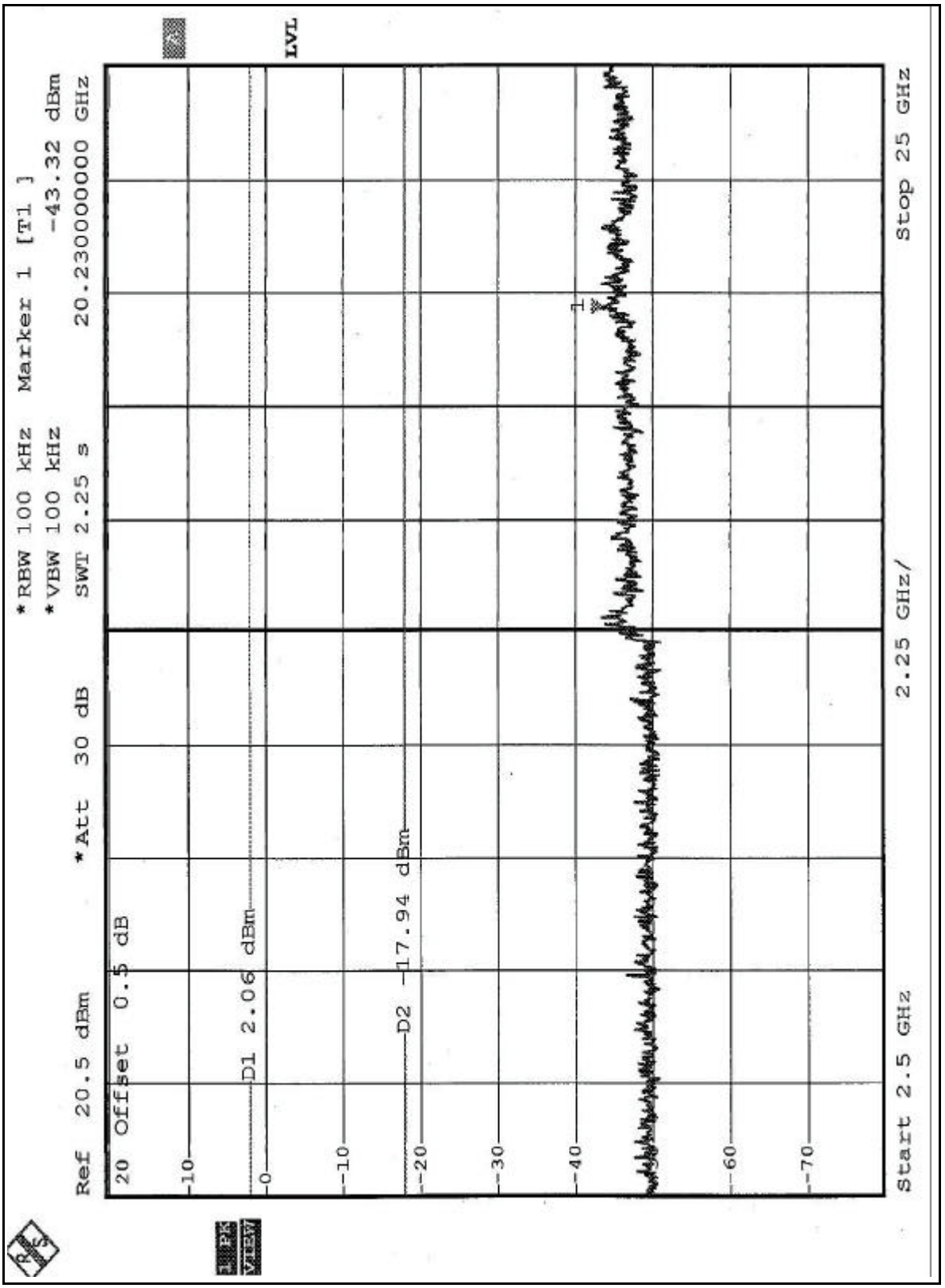
The spectrum plots are attached on the following 4 pages. D2 line indicates the highest level, D1 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(C).

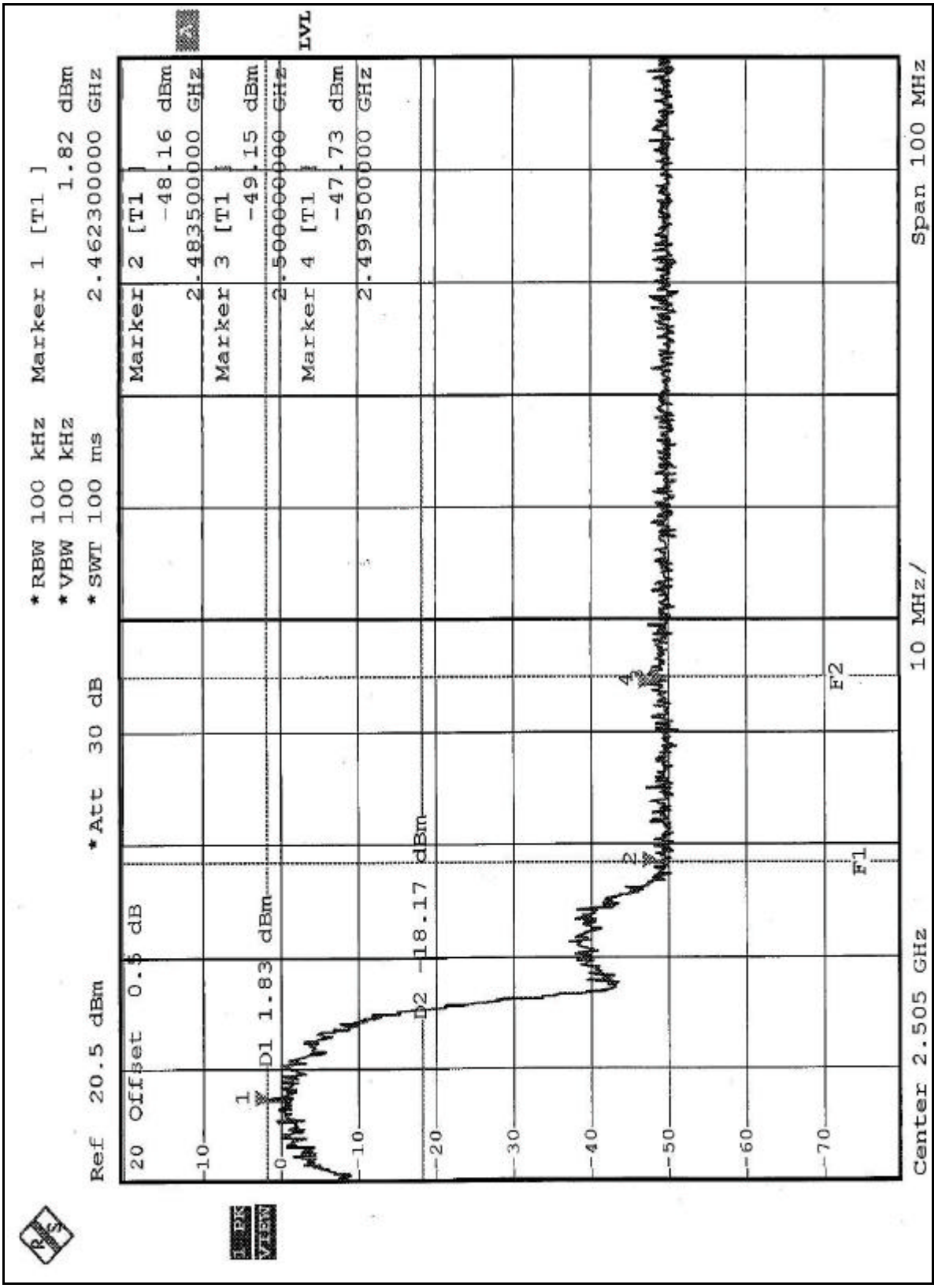
NOTE:
The band edge emission plots on the following 1 ~ 2 pages show 51.93dB delta between carrier maximum power and local maximum emissions in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 101.75dBuV/m, so the maximum field strength in restrict band is 101.75 – 51.93 = 49.82dBuV/m which is under 54 dBuV/m limit.

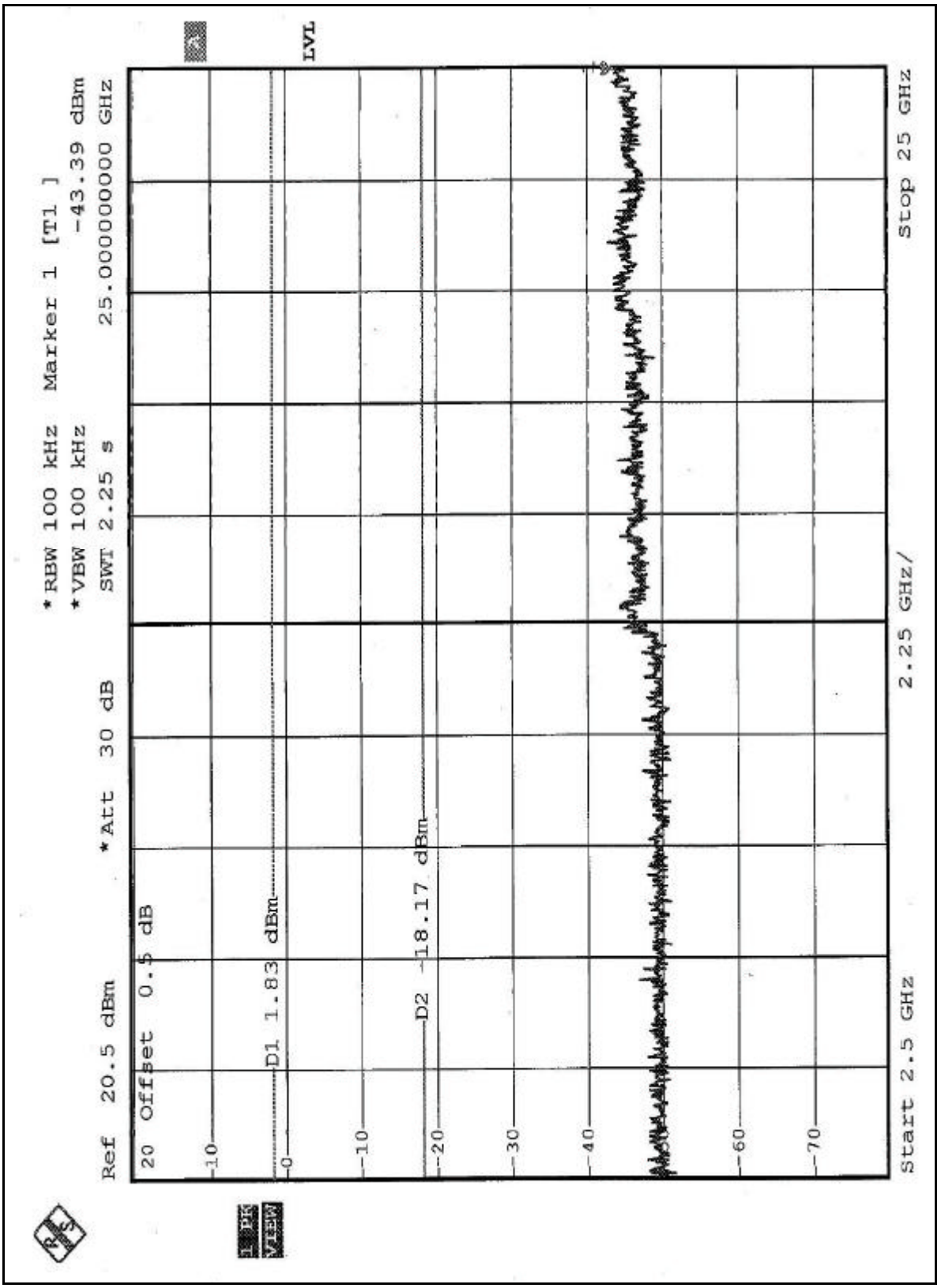
The band edge emission plots on the following 3 ~ 4 pages show 49.99dB delta between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 100.71dBuV/m, so the maximum field strength in restrict band is 100.71 – 49.99 = 50.72dBuV/m which is under 54 dBuV/m limit.

*(The test data is in accordance with ADT Report No.: RF930715L07.)


*RBW 100 kHz
*VBW 100 kHz
SWT 10 ms
*Att 30 dB
Ref 20.5 dBm
20 Offset 0.5 dB
Marker 1 [T1]
2.06 dBm
2.412400000 GHz
Marker 2 [T1]
-37.84 dBm
2.400000000 GHz
Marker 3 [T1]
-49.87 dBm
2.390000000 GHz
Marker 4 [T1]
-47.60 dBm
2.348600000 GHz
D1 2.06 dBm
D2 -17.94 dBm
F1
F2
LVL
1 PK VIEW
Center 2.372 GHz
10 MHz/
Span 100 MHz


*RBW 100 kHz
*VBW 100 kHz
SWT 2.25 s
Marker 1 [T1]
-43.32 dBm
20.230000000 GHz
Ref 20.5 dBm
20 Offset 0.5 dB
*Att 30 dB
LVL
D1 2.06 dBm
D2 -17.94 dBm
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz
1 PK
VIEW


*RBW 100 kHz
*VBW 100 kHz
*SWT 100 ms
*Att 30 dB
Marker 1 [T1]
1.82 dBm
2.46230000 GHz
Marker 2 [T1]
-48.16 dBm
2.48350000 GHz
Marker 3 [T1]
-49.15 dBm
2.50000000 GHz
Marker 4 [T1]
-47.73 dBm
2.49950000 GHz
Ref 20.5 dBm
20 Offset 0.5 dB
D1 1.83 dBm
D2 -18.17 dBm
Center 2.505 GHz
10 MHz/
Span 100 MHz
F1
F2
VIEW
PK


Ref 20.5 dBm
20 Offset 0.5 dB
*Att 30 dB
*RBW 100 kHz
*VBW 100 kHz
SWT 2.25 s
Marker 1 [T1]
-43.39 dBm
25.000000000 GHz
D1 1.83 dBm
D2 -18.17 dBm
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz

4.7 ANTENNA REQUIREMENT

4.7.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.7.2 ANTENNA CONSINO-AMEREICANTED CONSTRUCTION

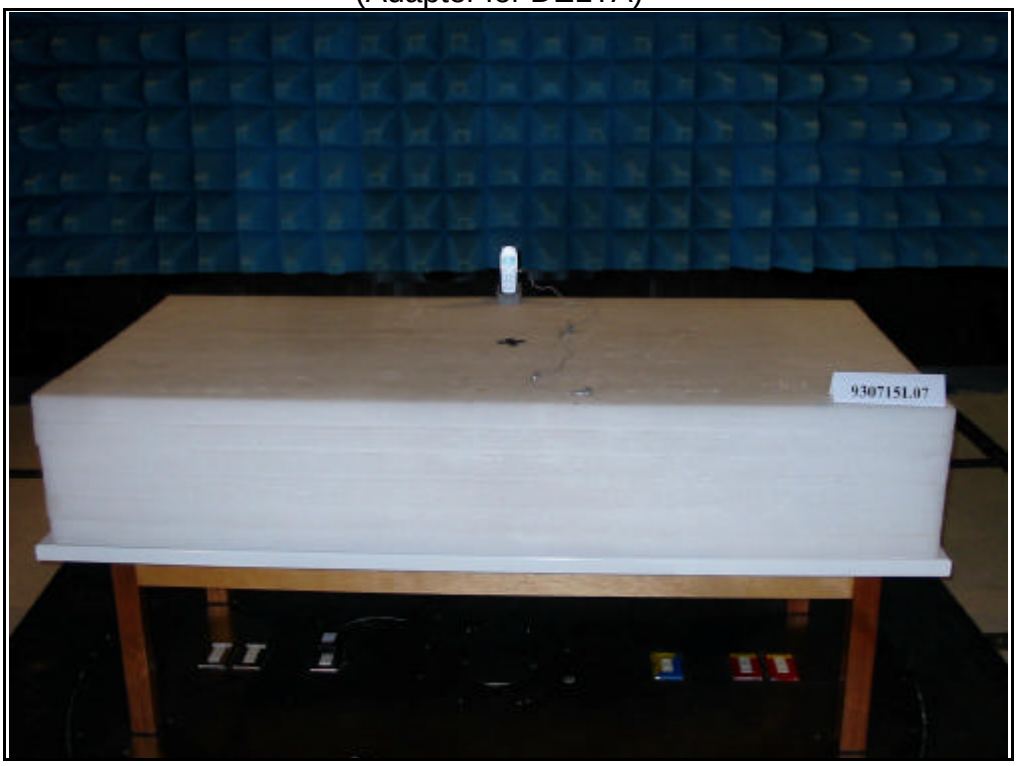
The antenna used in this product is Chip embedded antenna without antenna connector. And the maximum Gain of this antenna is 0dBi only.

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

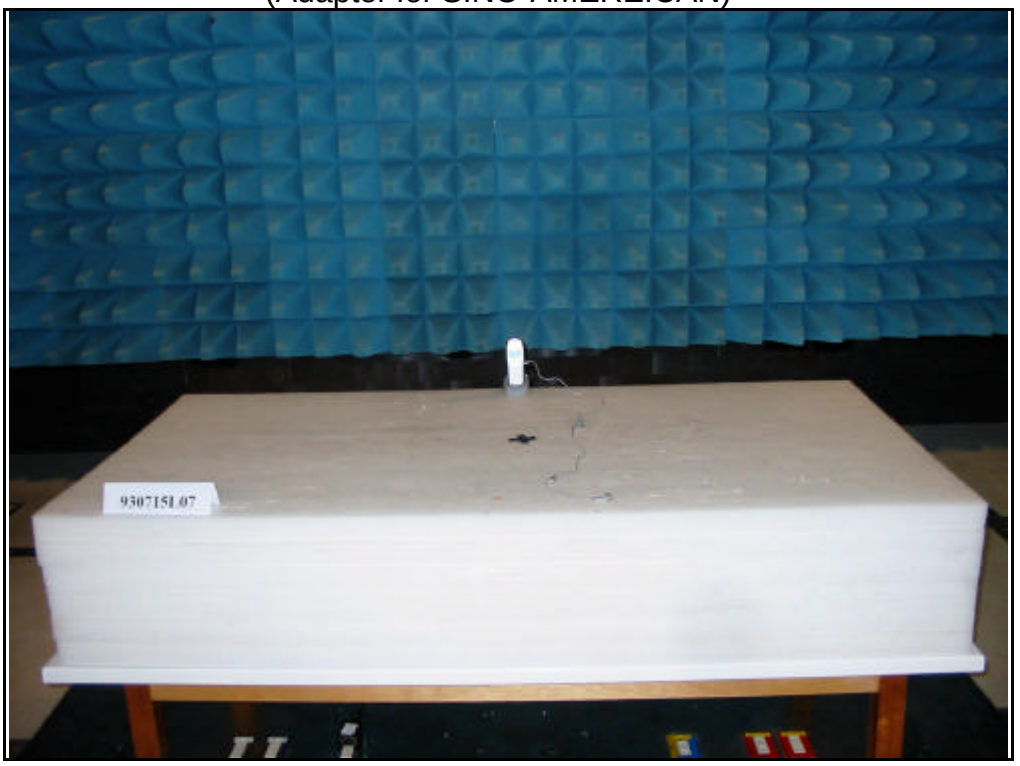
CONDUCTED EMISSION TEST
(Adapter for DELTA)

(Adapter for SINO-AMEREICAN)

RADIATED EMISSION TEST
(Adapter for DELTA)



(Adapter for SINO-AMEREICAN)



6 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

USA	FCC, NVLAP, UL
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	CNLA, BSMI, DGT
Netherlands	Telefication
Singapore	PSB , GOST-ASIA(MOU)
Russia	CERTIS(MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Lab:
Tel: 886-3-3183232
Fax: 886-3-3185050

Linko RF & Telecom Lab.
Tel: 886-3-3270910
Fax: 886-3-3270892

Email: service@mail.adt.com.tw
Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

Report Format Version 1.2