

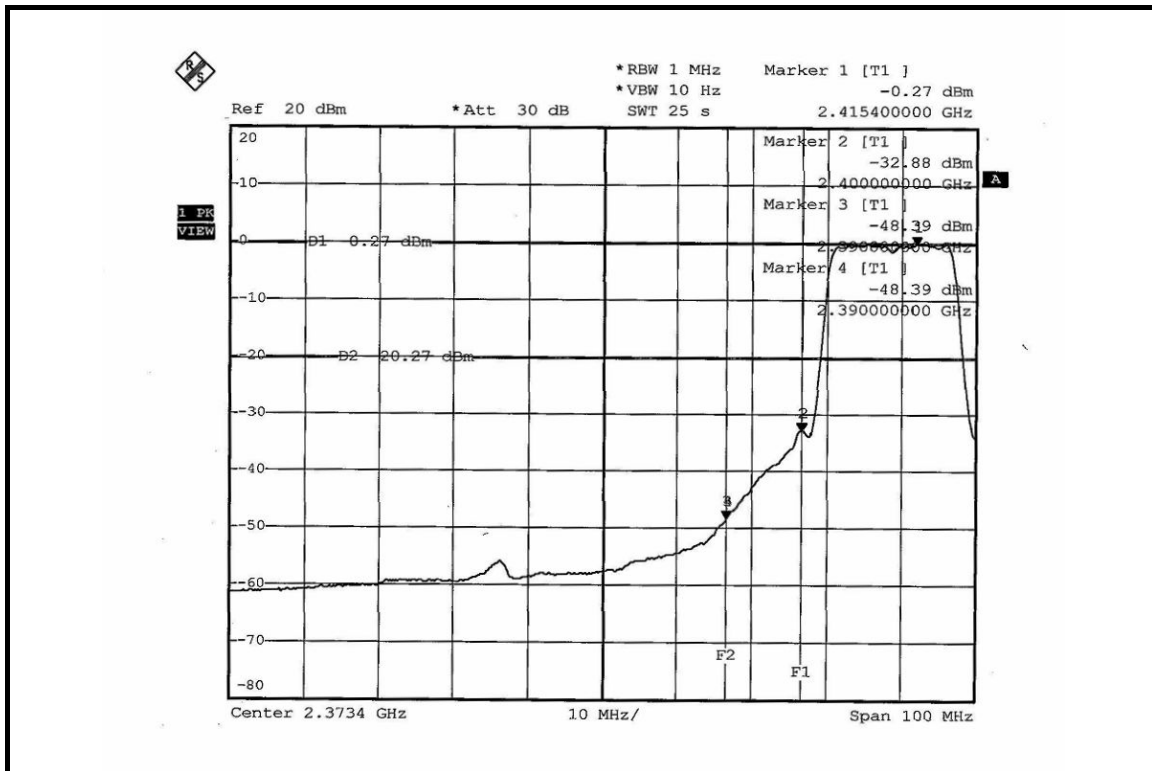
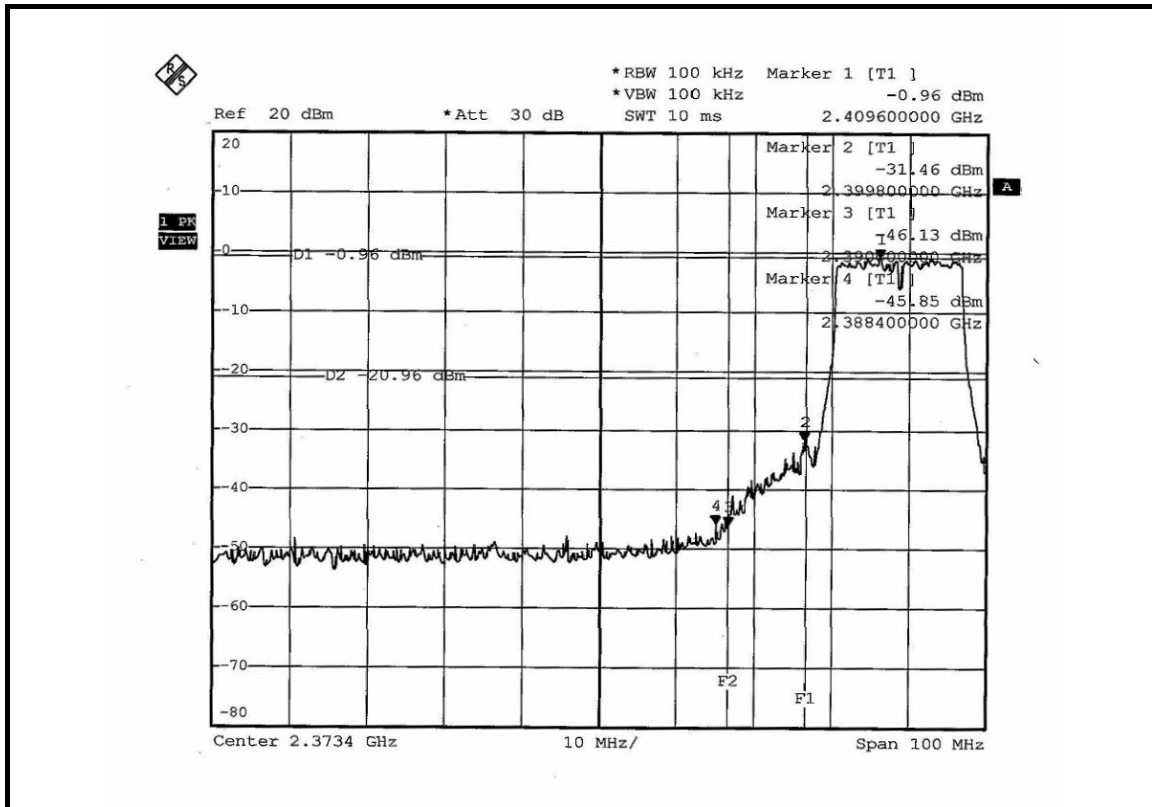
802.11g OFDM MODULATION: SINGLE TX

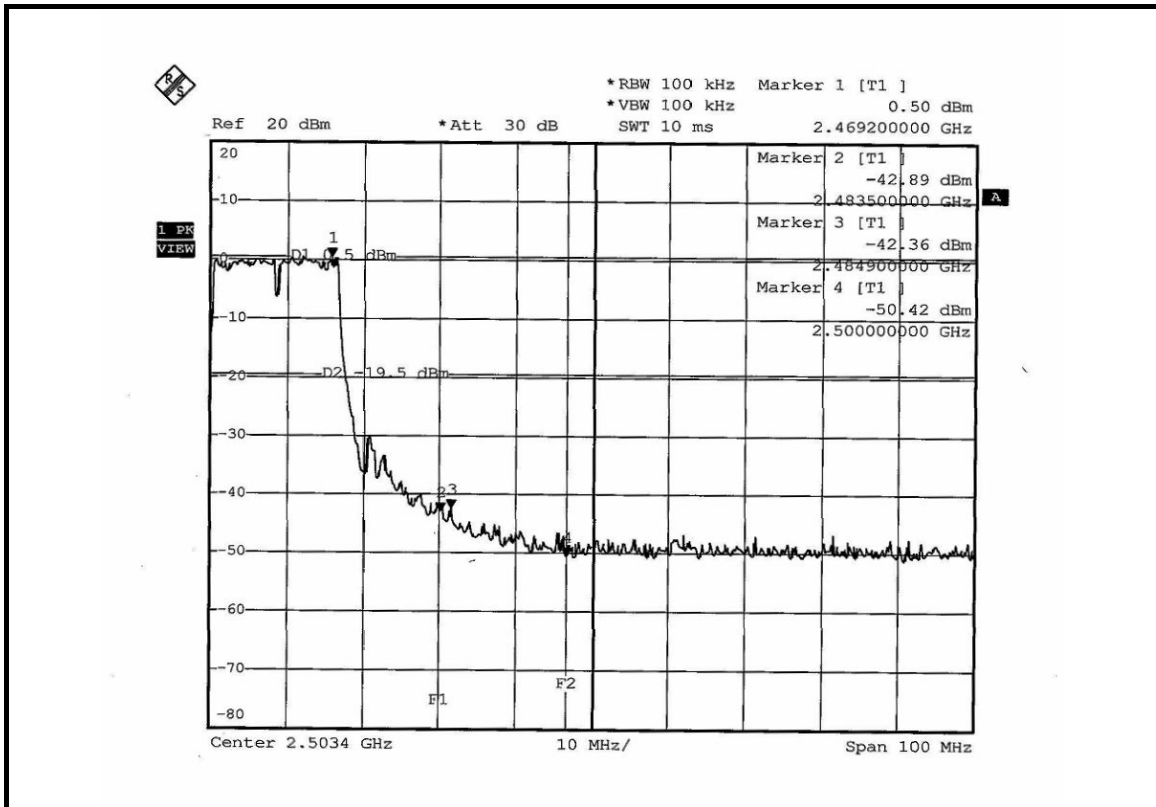
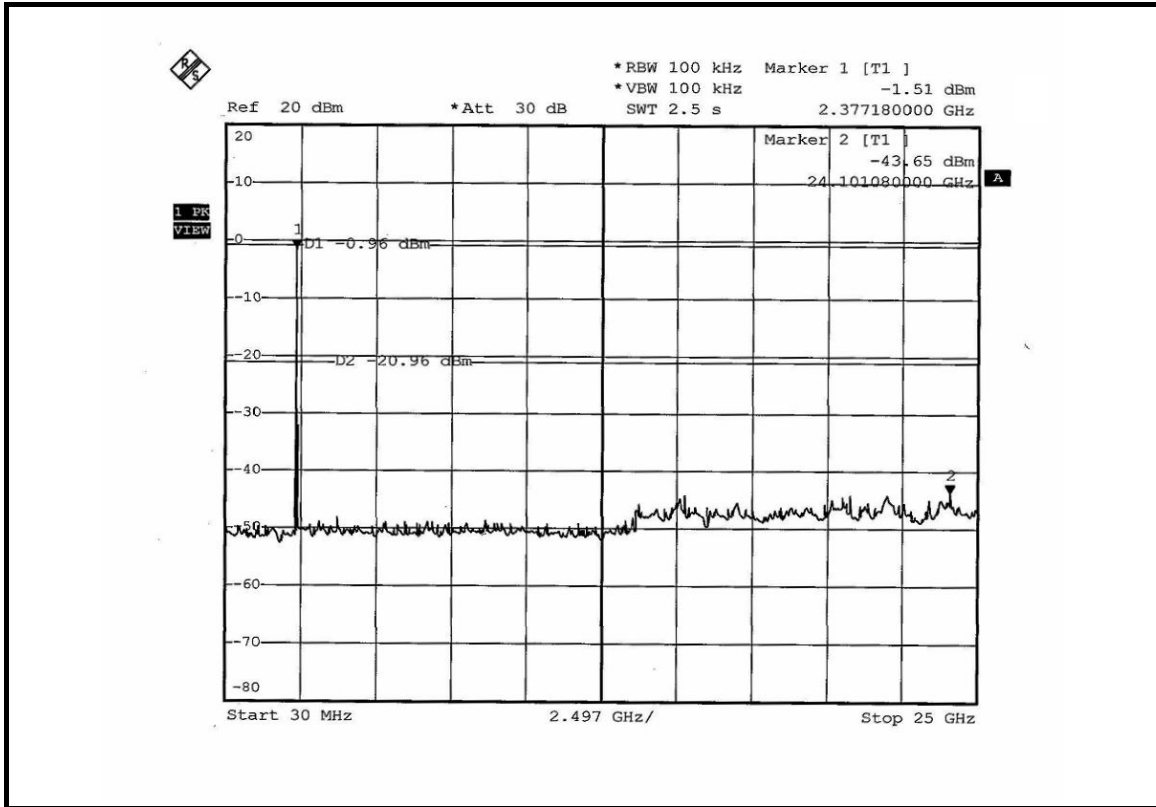
NOTE 1: The band edge emission plot on the next page shows 44.89dBc between carrier maximum power and local maximum emission in restrict band (2.38840GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 108.64dBuV/m (Peak), so the maximum field strength in restrict band is $108.64-44.89=63.75$ dBuV/m which is under 74dBuV/m limit.

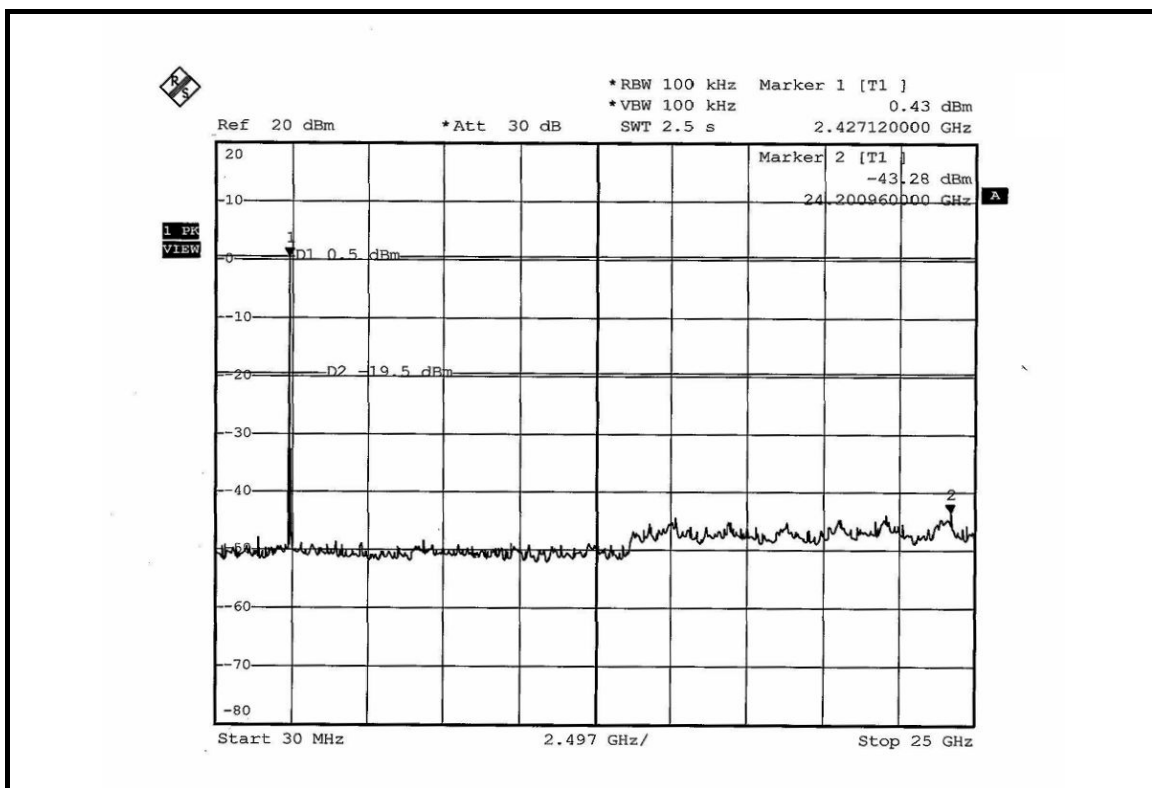
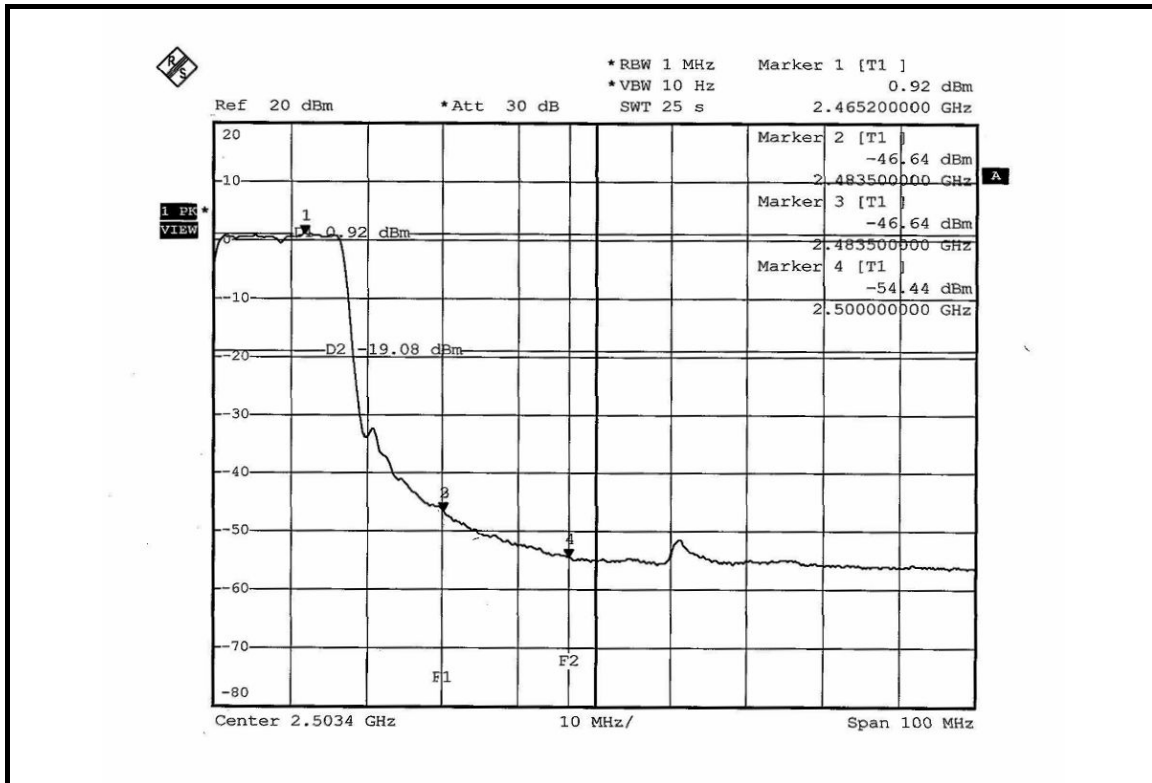
The band edge emission plot on the next page shows 48.12dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 99.20dBuV/m (Average), so the maximum field strength in restrict band is $99.20-48.12=51.08$ dBuV/m which is under 54dBuV/m limit.

NOTE 2: The band edge emission plot on the next second page shows 42.86dBc between carrier maximum power and local maximum emission in restrict band (2.48490GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 110.26dBuV/m (Peak), so the maximum field strength in restrict band is $110.26-42.86=67.40$ dBuV/m which is under 74dBuV/m limit.

The band edge emission plot on the next third page shows 47.56dBc between carrier maximum power and local maximum emission in restrict band (2.48350GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 100.50dBuV/m (Average), so the maximum field strength in restrict band is $100.50-47.56=52.94$ dBuV/m which is under 54dBuV/m limit.









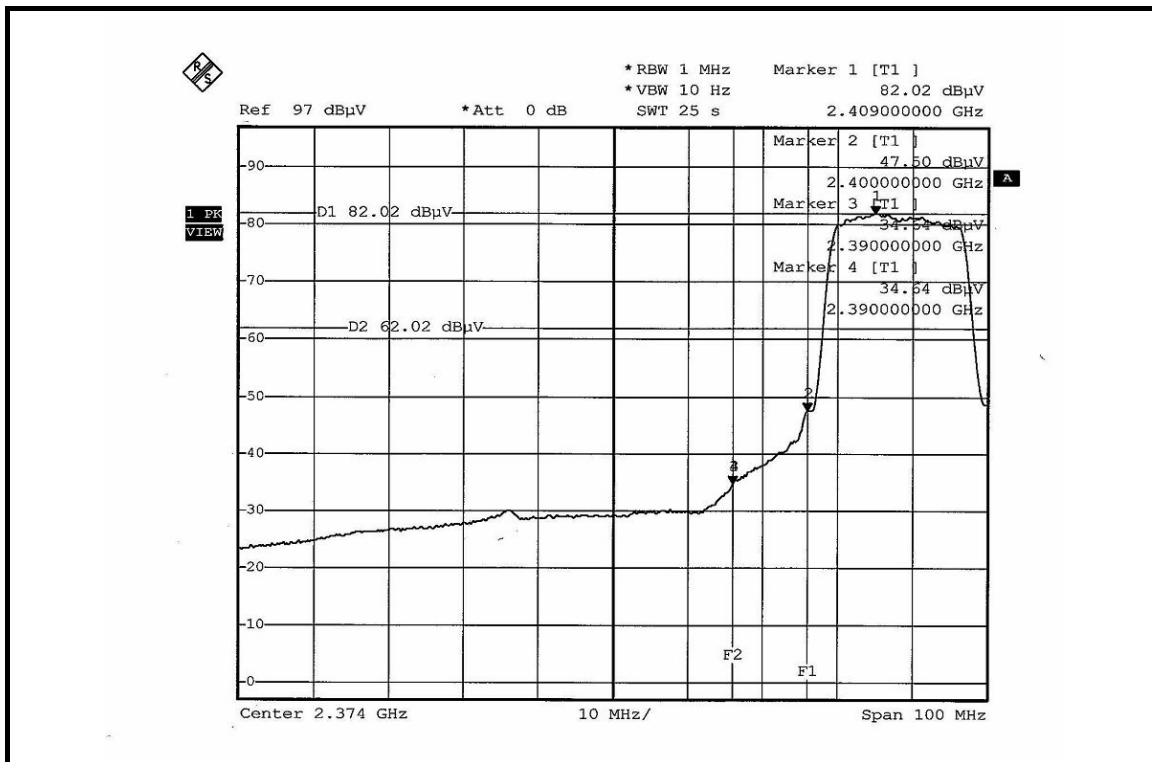
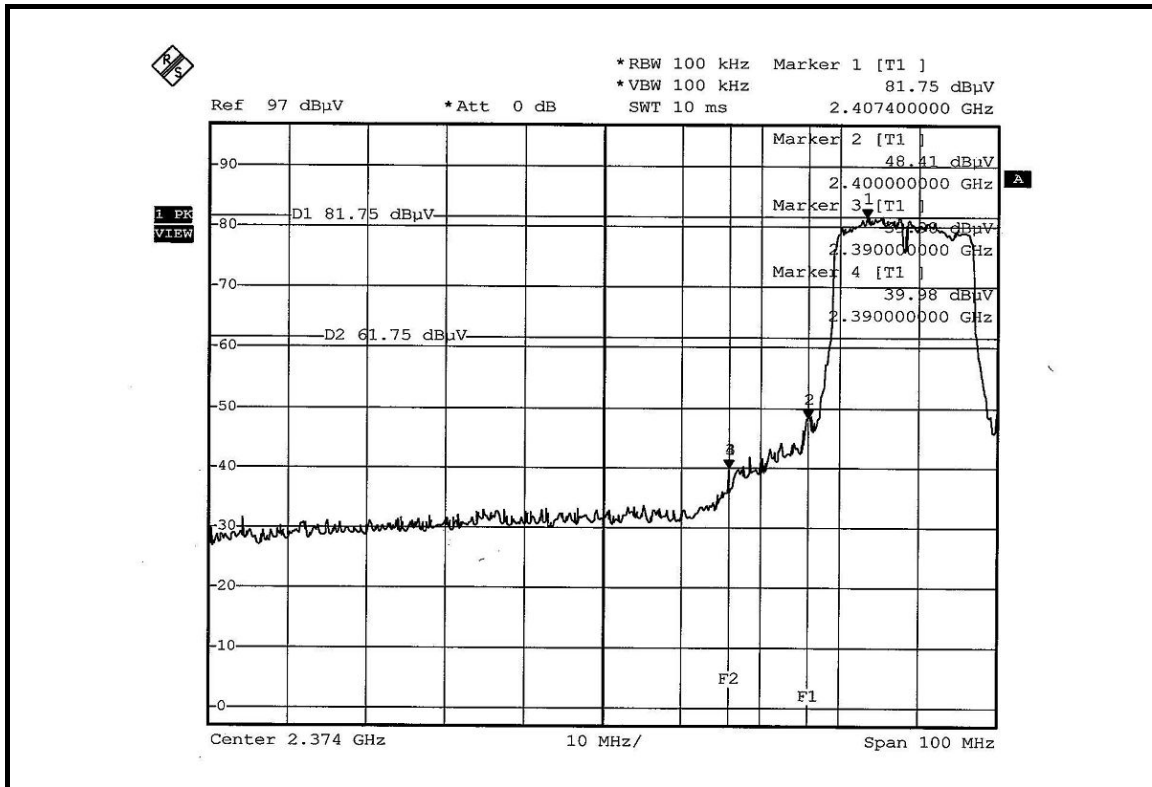
DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

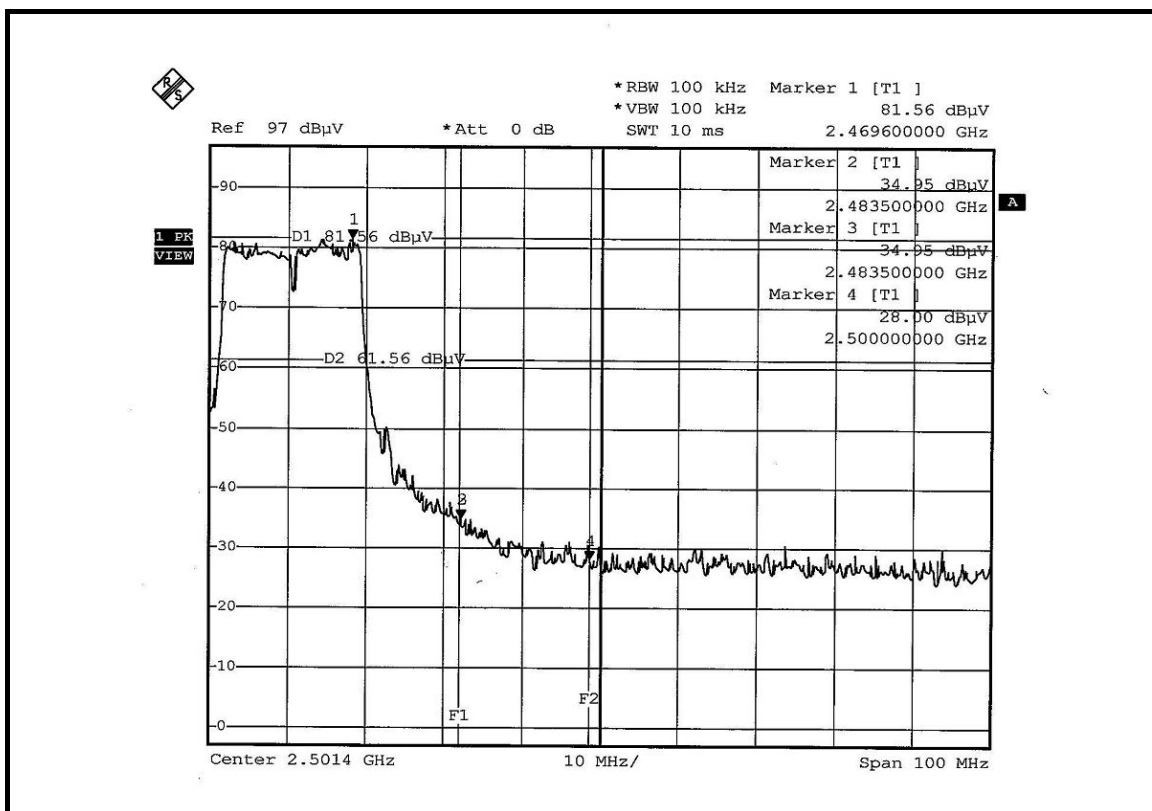
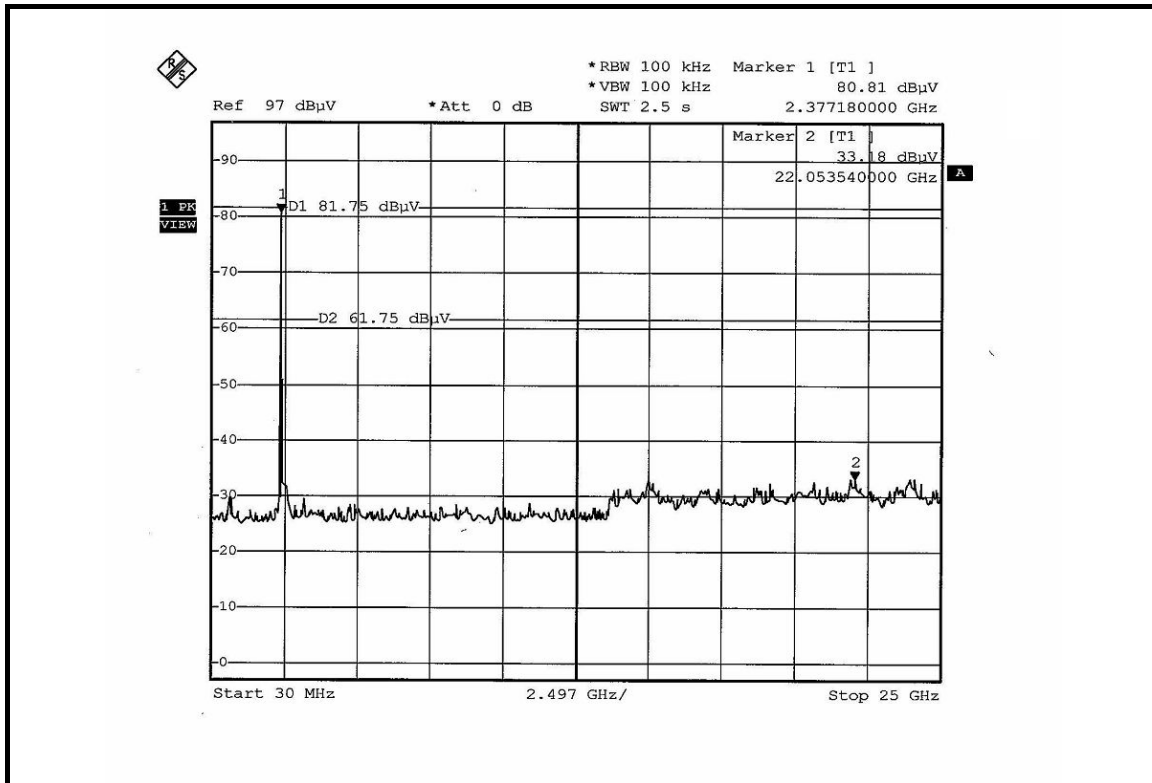
NOTE 1: The band edge emission plot on the next page shows 41.77dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 111.14dBuV/m (Peak), so the maximum field strength in restrict band is $111.14-41.77=69.37$ dBuV/m which is under 74dBuV/m limit.

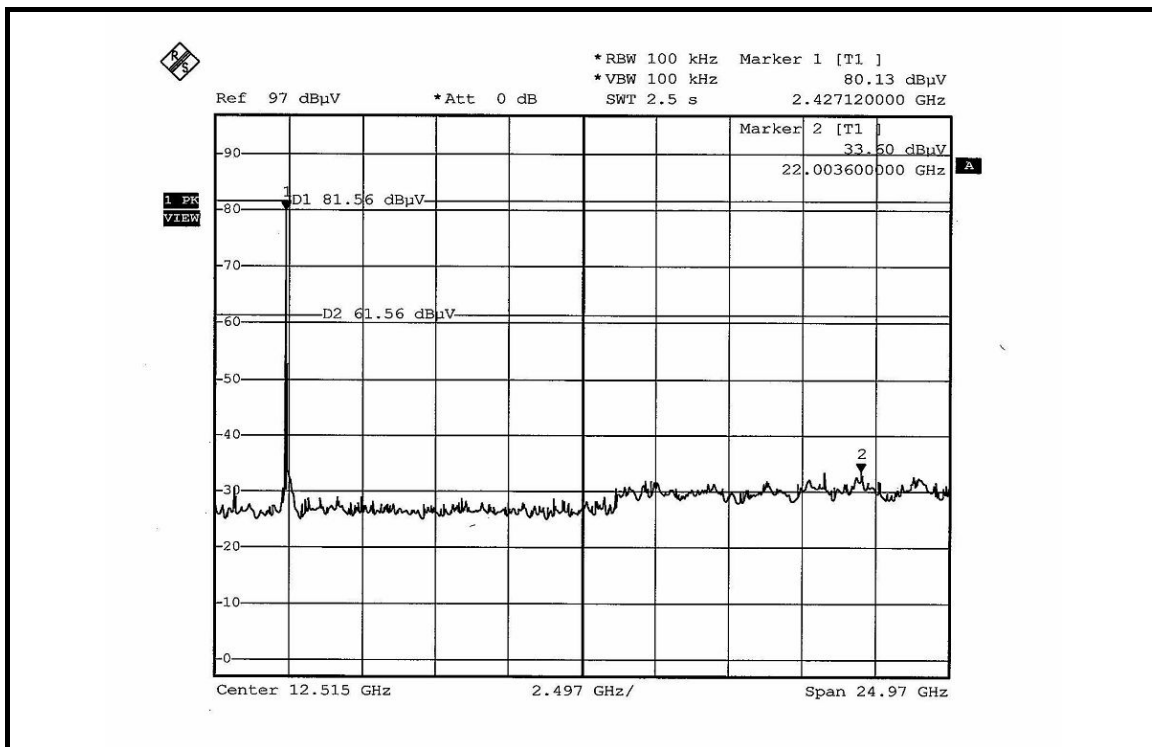
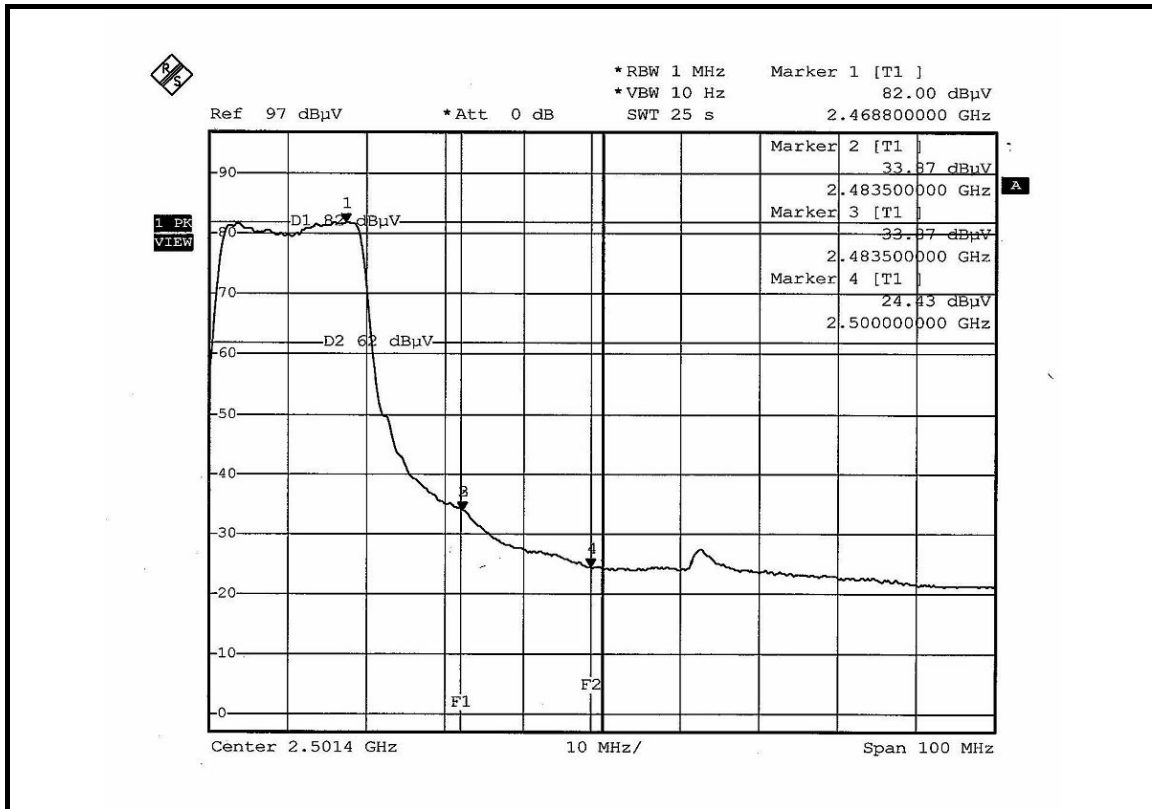
The band edge emission plot on the next page shows 47.38dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 100.35dBuV/m (Average), so the maximum field strength in restrict band is $100.35-47.38=52.97$ dBuV/m which is under 54dBuV/m limit.

NOTE 2: The band edge emission plot on the next second page shows 46.61dBc between carrier maximum power and local maximum emission in restrict band (2.48350GHz) is 111.18dBuV/m (Peak), so the maximum field strength in restrict band is $111.18-46.61=64.57$ dBuV/m which is under 74dBuV/m limit.

The band edge emission plot on the next third page shows 48.13dBc between carrier maximum power and local maximum emission in restrict band (2.48350GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 100.66dBuV/m (Average), so the maximum field strength in restrict band is $100.66-48.13=52.53$ dBuV/m which is under 54dBuV/m limit.









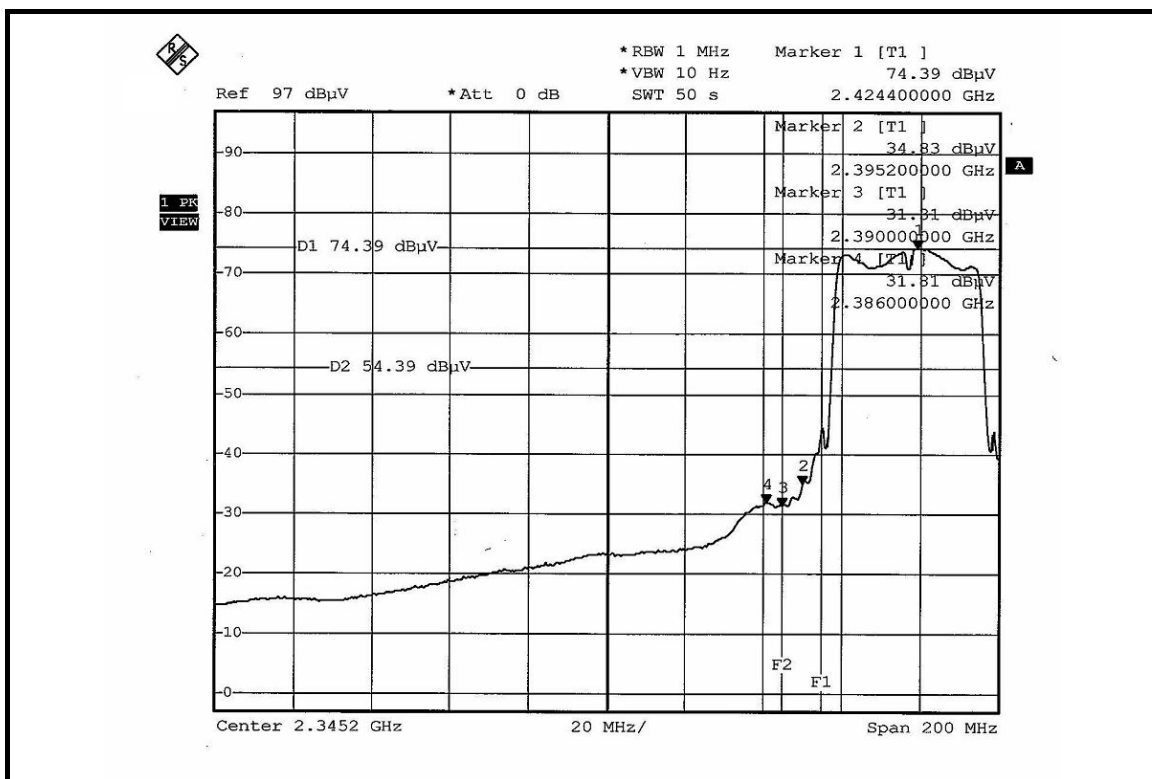
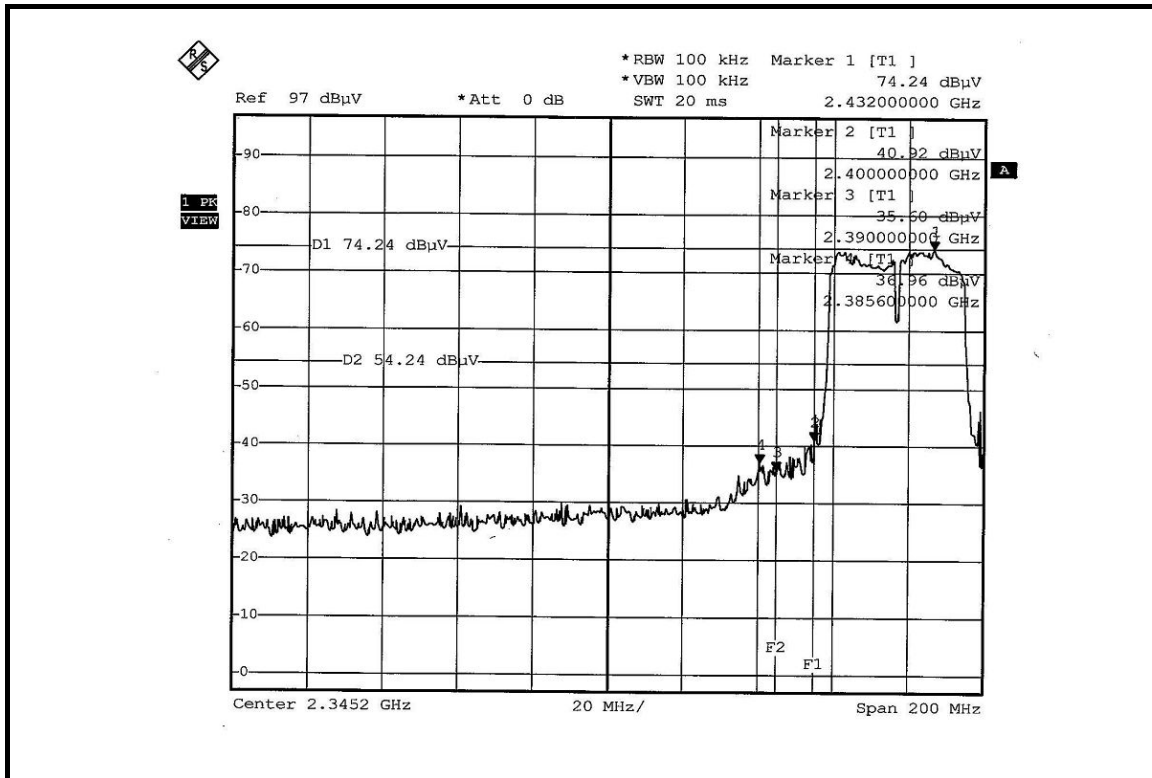
DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

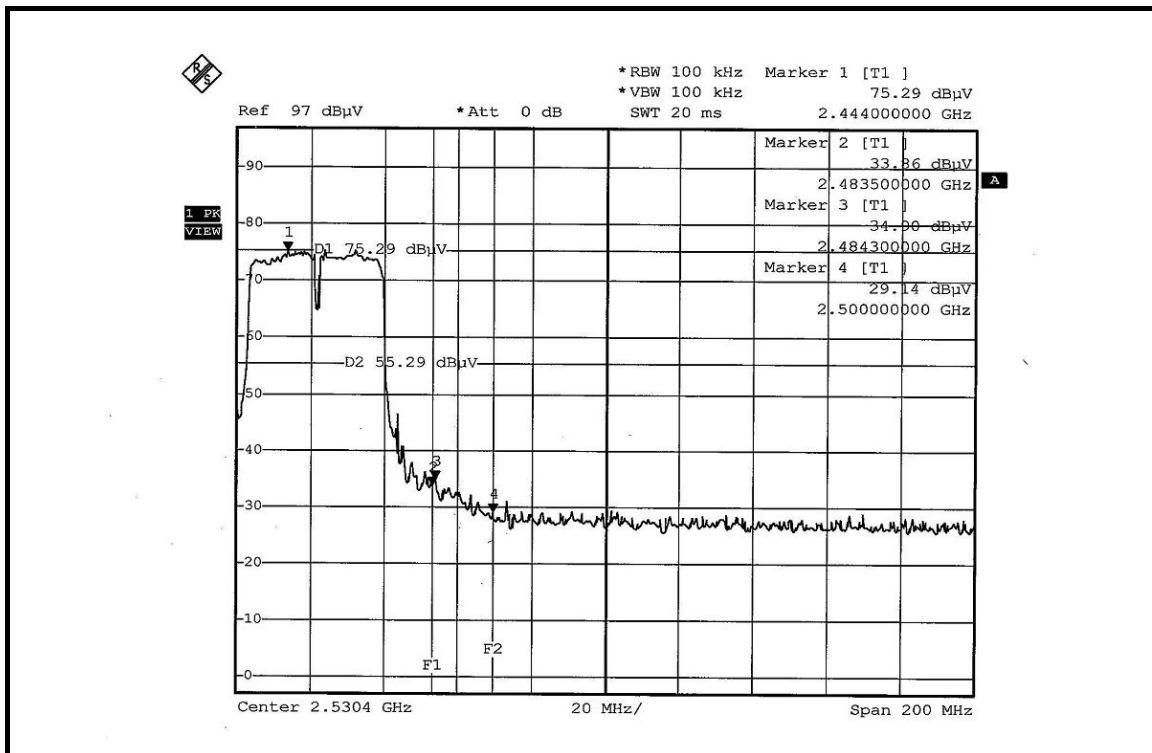
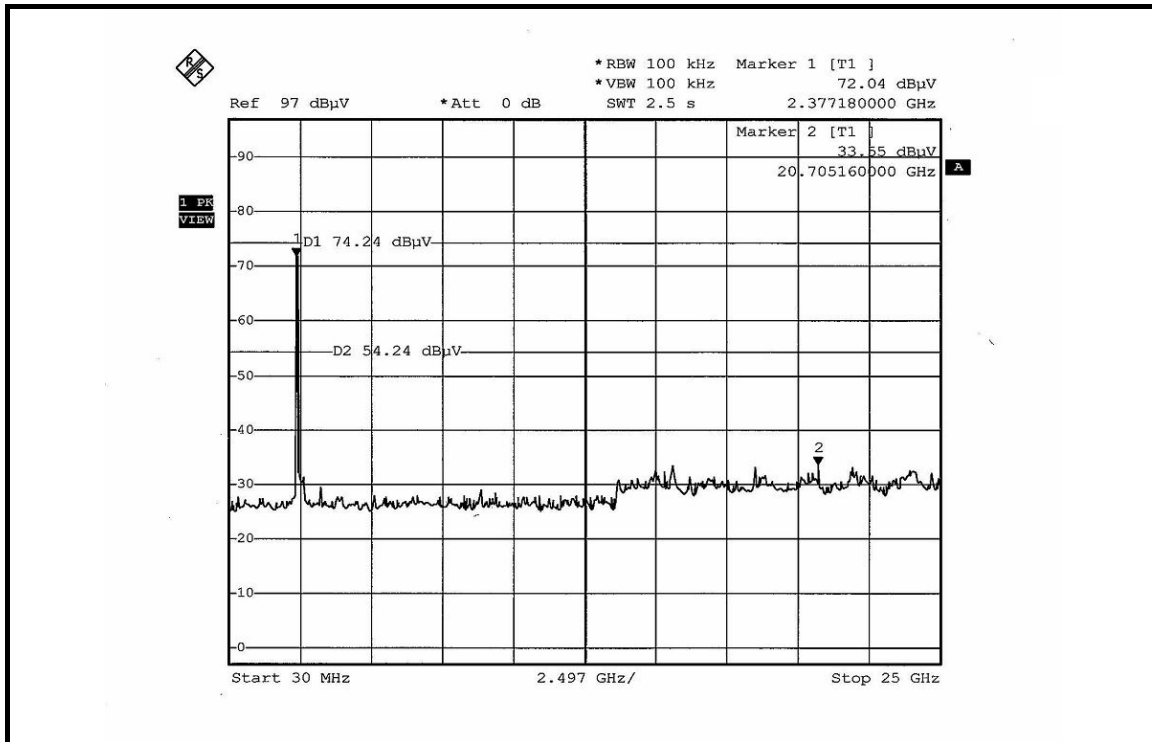
NOTE 1: The band edge emission plot on the next page shows 37.28dBc between carrier maximum power and local maximum emission in restrict band (2.38560GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 103.38dBuV/m (Peak), so the maximum field strength in restrict band is $103.38-37.28=66.10$ dBuV/m which is under 74dBuV/m limit.

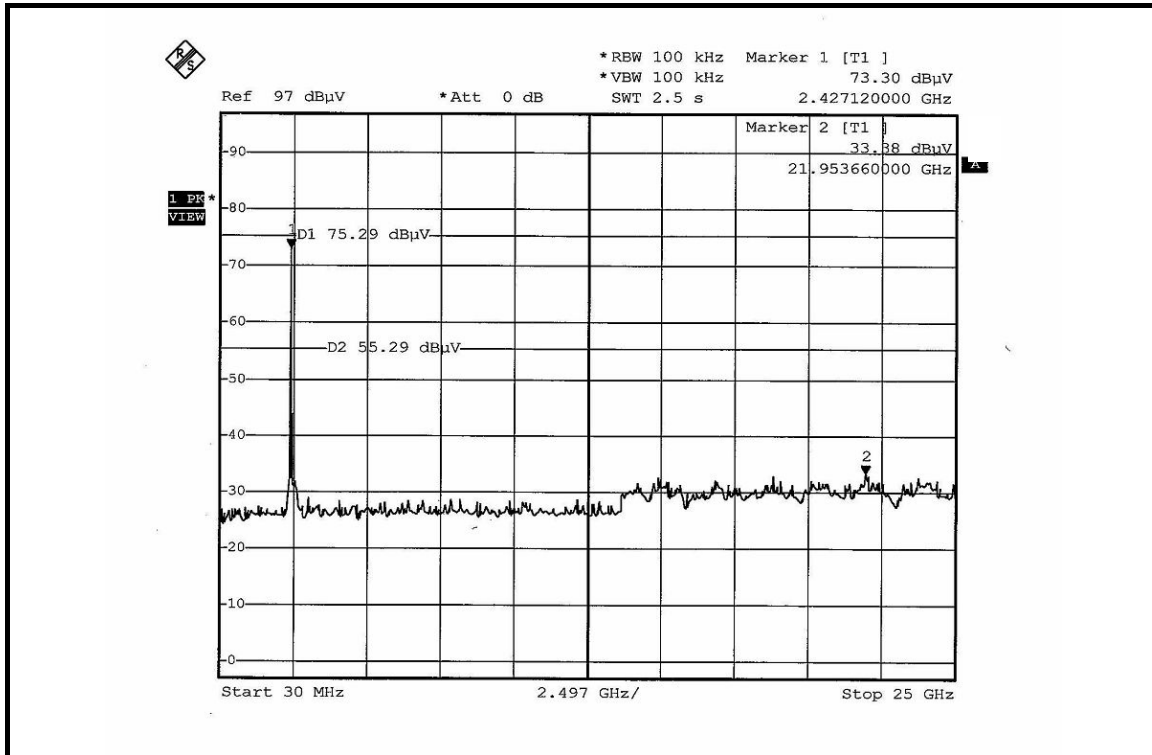
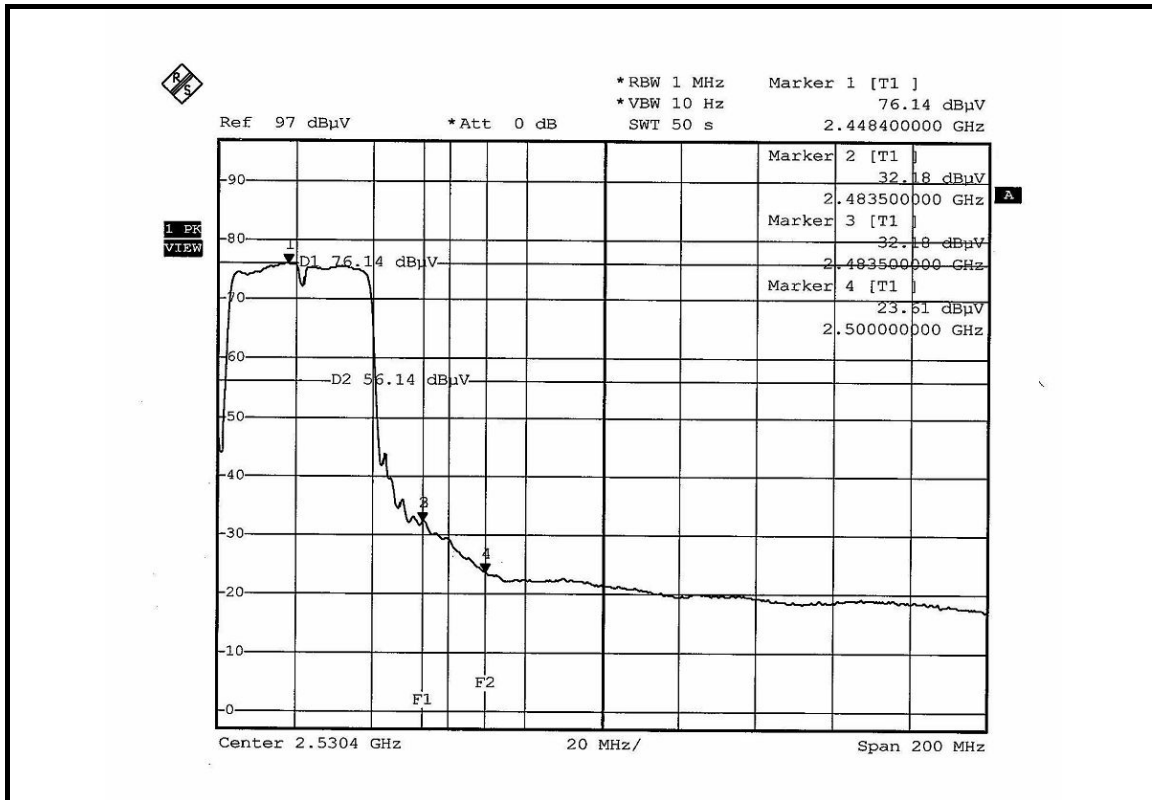
The band edge emission plot on the next page shows 42.58dBc between carrier maximum power and local maximum emission in restrict band (2.38600GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 93.63dBuV/m (Average), so the maximum field strength in restrict band is $93.63-42.58=51.05$ dBuV/m which is under 54dBuV/m limit.

NOTE 2: The band edge emission plot on the next second page shows 40.39dBc between carrier maximum power and local maximum emission in restrict band (2.48430GHz). The emission of carrier strength list in the test result of channel 7 at the item 4.2.7 is 104.38dBuV/m (Peak), so the maximum field strength in restrict band is $104.38-40.39=63.99$ dBuV/m which is under 74dBuV/m limit.

The band edge emission plot on the next third page shows 43.96dBc between carrier maximum power and local maximum emission in restrict band (2.48350GHz). The emission of carrier strength list in the test result of channel 7 at the item 4.2.7 is 95.22dBuV/m (Average), so the maximum field strength in restrict band is $95.22-43.96=51.26$ dBuV/m which is under 54dBuV/m limit.









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 CONNECTED CONSTRUCTION

The antenna used in this product is Dipole antenna with RSMA connector. The maximum Gain of the antenna is 0.3dBi.



5. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



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.

USA	FCC, UL, A2LA
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	CNLA, BSMI, NCC
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: 886-2-26051924

Hsin Chu EMC/RF Lab:

Tel: 886-3-5935343

Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab:

Tel: 886-3-3183232

Fax: 886-3-3185050

Web Site: www.adt.com.tw

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



APPENDIX-A

MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.