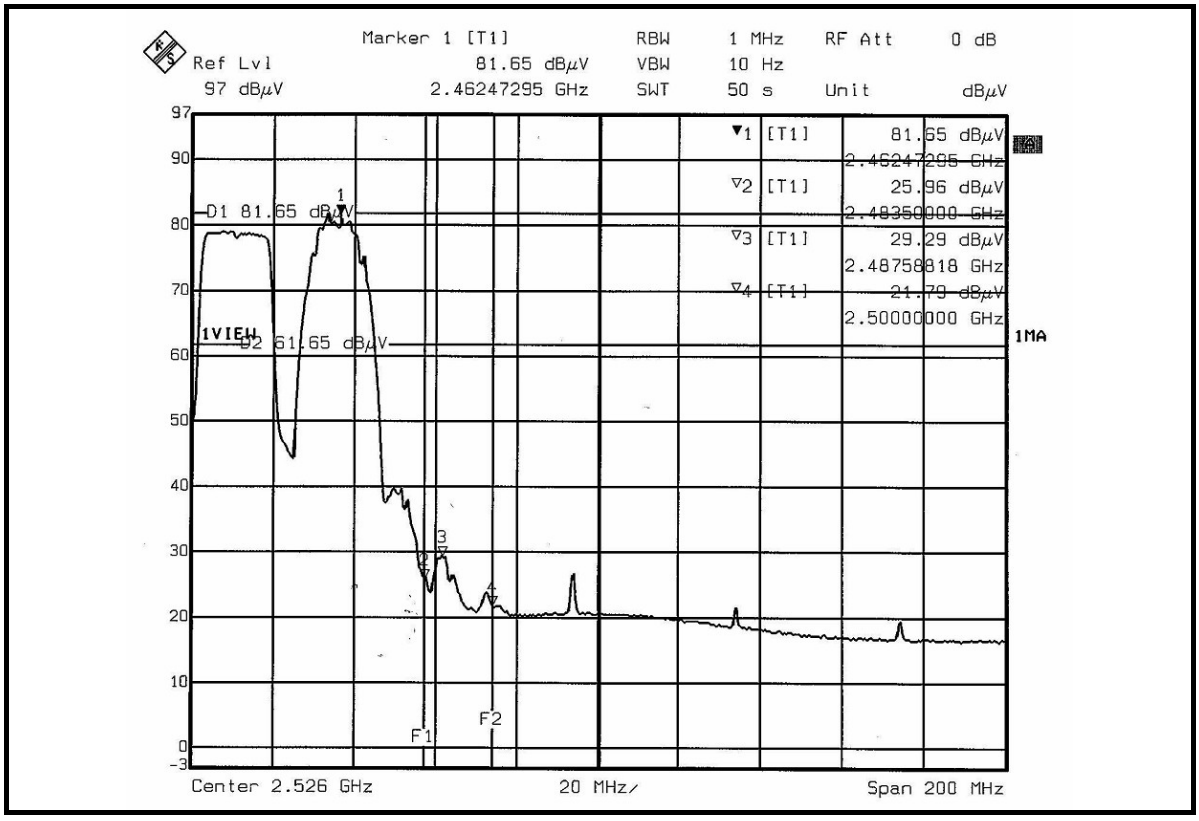
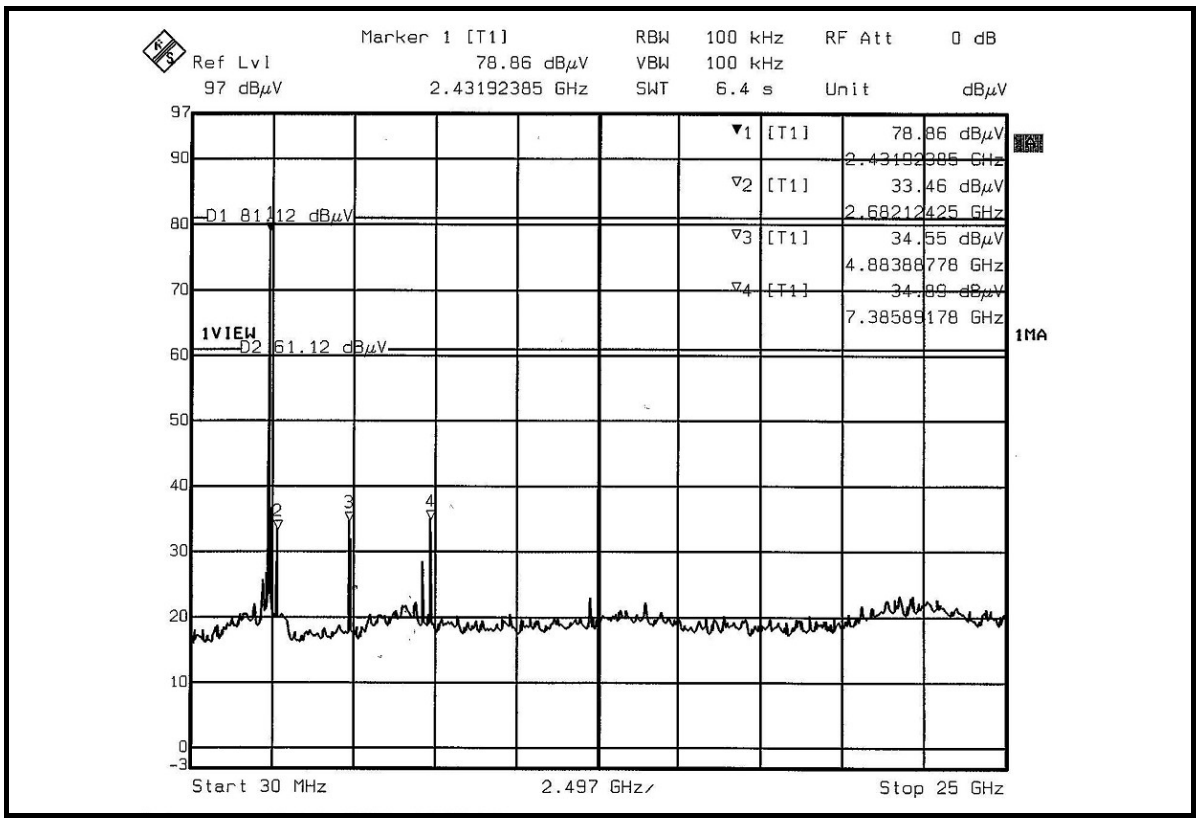

Marker 1 [T1]
RBW 1 MHz
RF Att 0 dB
Ref Lvl
81.65 dBµV
VBW 10 Hz
97 dBµV
2.46247295 GHz
SWT 50 s
Unit dBµV
▼1 [T1] 81.65 dBµV
2.46247295 GHz
▽2 [T1] 25.96 dBµV
2.48350000 GHz
▽3 [T1] 29.29 dBµV
2.48758818 GHz
▽4 [T1] 21.79 dBµV
2.50000000 GHz
D1 81.65 dBµV
1VIEW
D2 61.65 dBµV
1MA
F1
F2
Center 2.526 GHz
20 MHz/
Span 200 MHz


Marker 1 [T1]
RBW 100 kHz
RF Att 0 dB
Ref Lvl
78.86 dBµV
VBW 100 kHz
97 dBµV
2.43192385 GHz
SWT 6.4 s
Unit dBµV
▼1 [T1] 78.86 dBµV
2.43192385 GHz
▽2 [T1] 33.46 dBµV
2.68212425 GHz
▽3 [T1] 34.55 dBµV
4.88388778 GHz
▽4 [T1] 34.89 dBµV
7.38589178 GHz
D1 81.12 dBµV
1VIEW
D2 61.12 dBµV
1MA
Start 30 MHz
2.497 GHz/
Stop 25 GHz

DUAL TX: 802.11g OFDM & 802.11b DSSS MODULATION (TEST MODE C)

NOTE 1:

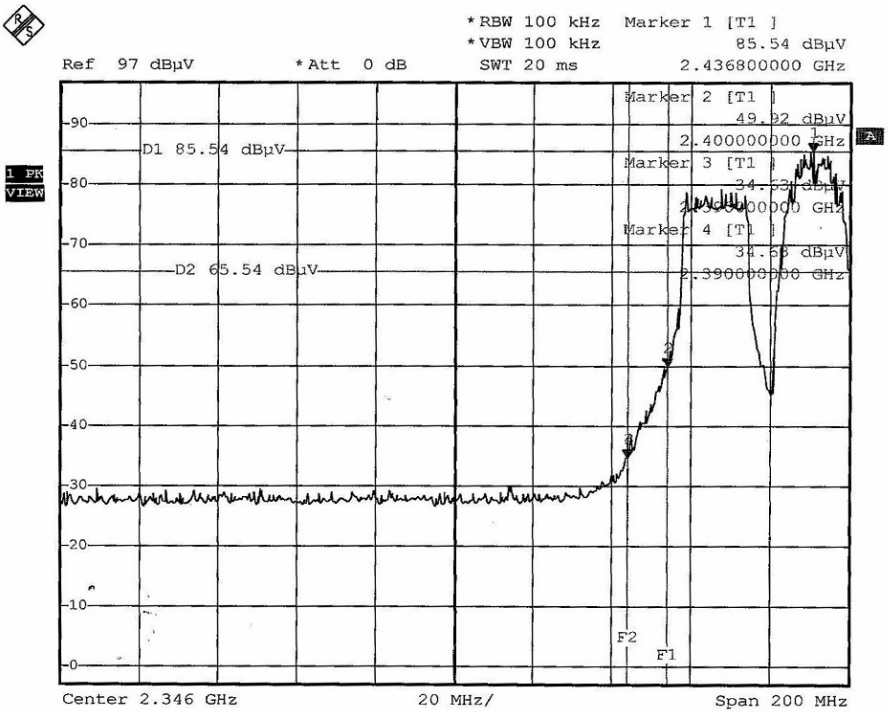
The band edge emission plot on the next page shows 50.91dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 & channel 6 at the item 4.2.7 is 111.68dBuV/m (Peak), so the maximum field strength in restrict band is 111.68 - 50.91 = 60.77dBuV/m which is under 74dBuV/m limit.

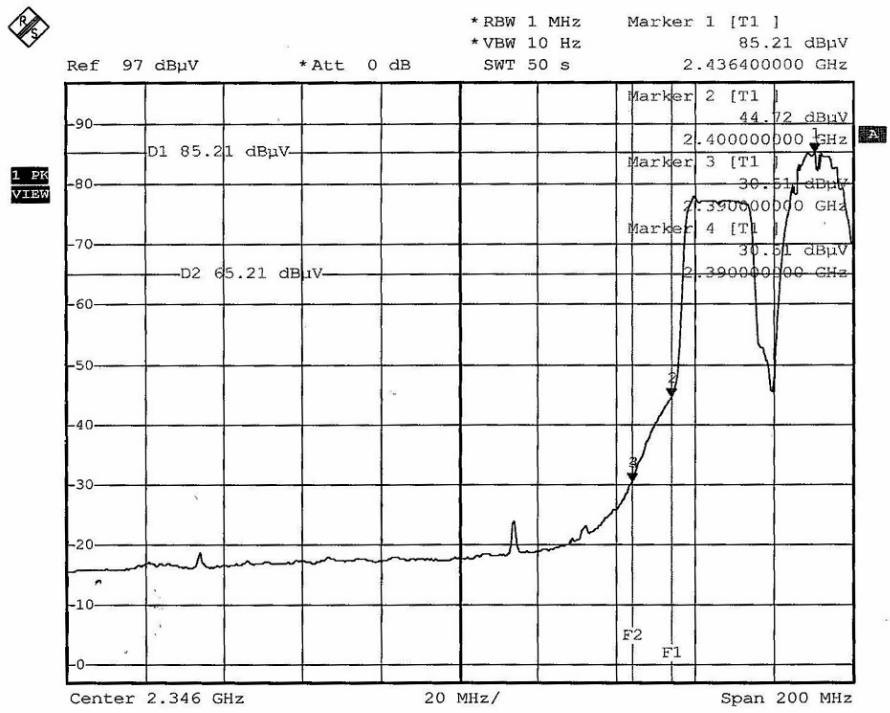
The band edge emission plot of on the next page shows 54.70dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 & channel 6 at the item 4.2.7 is 107.34dBuV/m (Average), so the maximum field strength in restrict band is 107.34 - 54.70 = 52.64dBuV/m which is under 54dBuV/m limit.

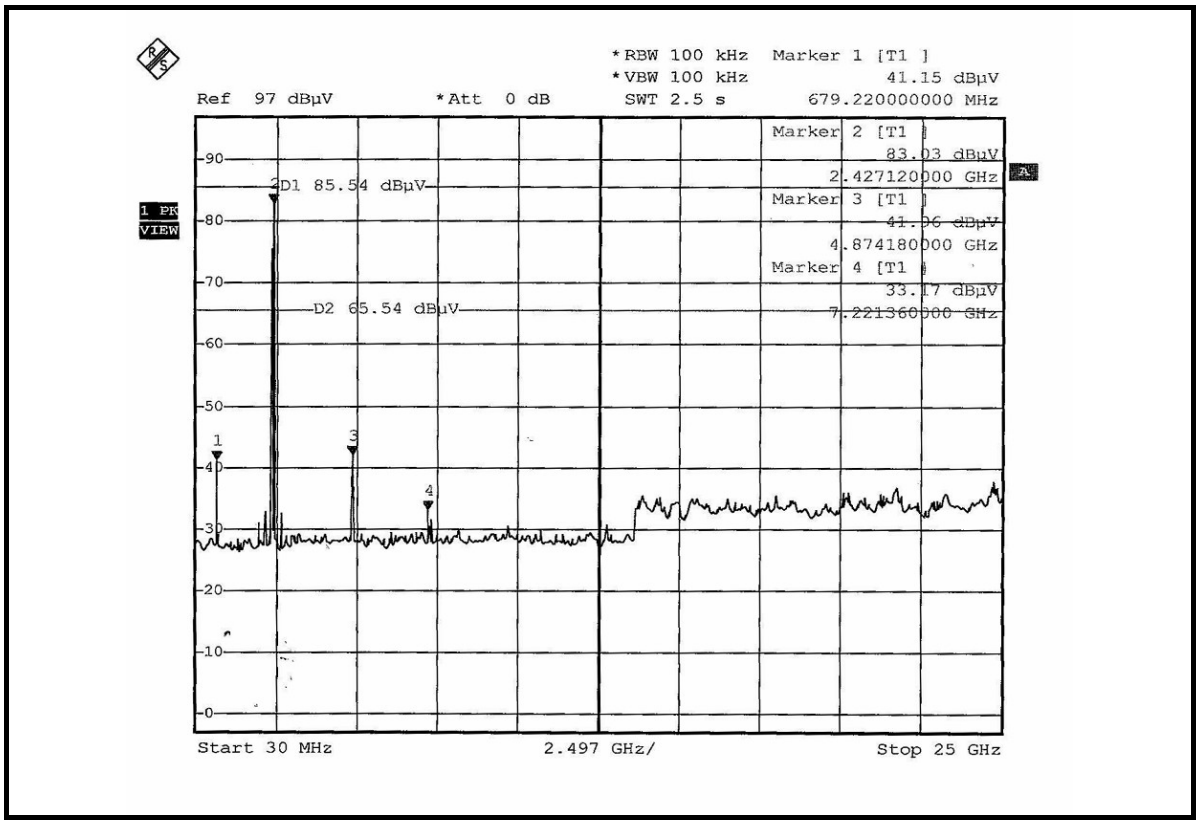
NOTE 2:

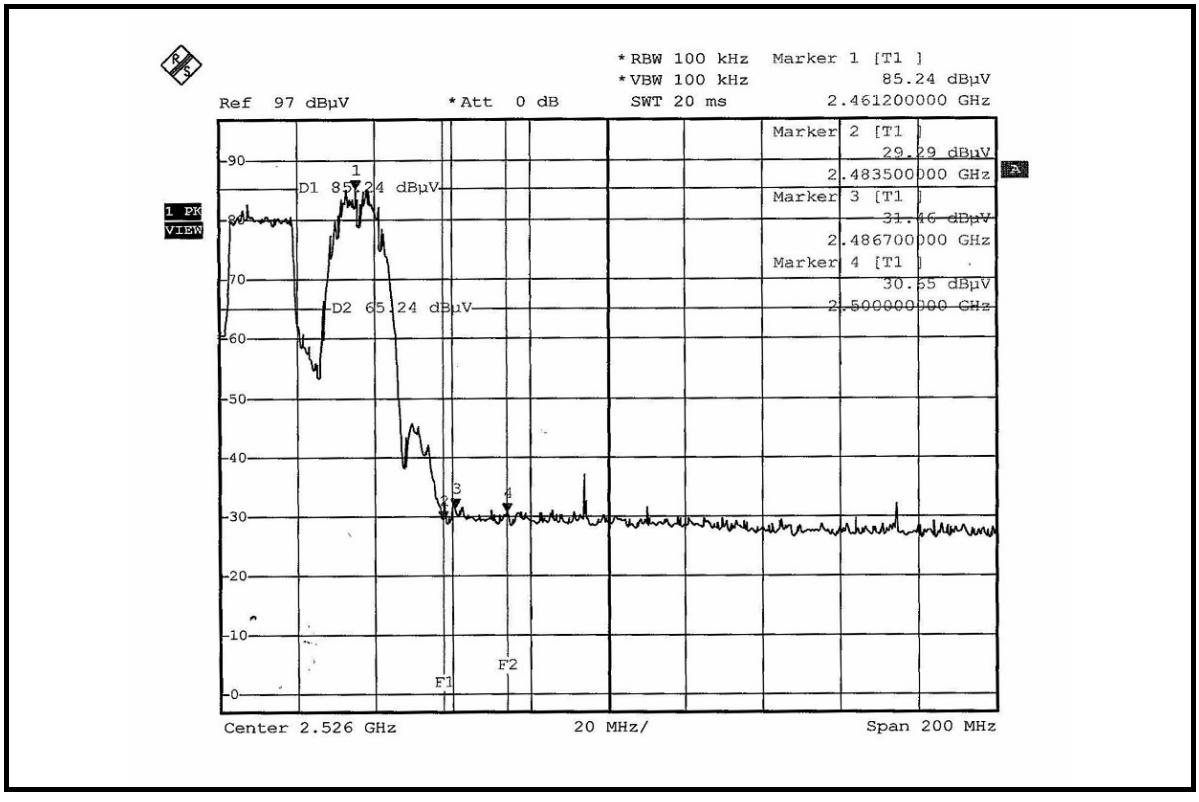
The band edge emission plot on the next second page shows 53.78dBc between carrier maximum power and local maximum emission in restrict band (2.48670GHz). The emission of carrier strength list in the test result of channel 6 & channel 11 at the item 4.2.7 is 113.98dBuV/m (Peak), so the maximum field strength in restrict band is 112.90 - 53.78 = 59.12dBuV/m which is under 74dBuV/m limit.

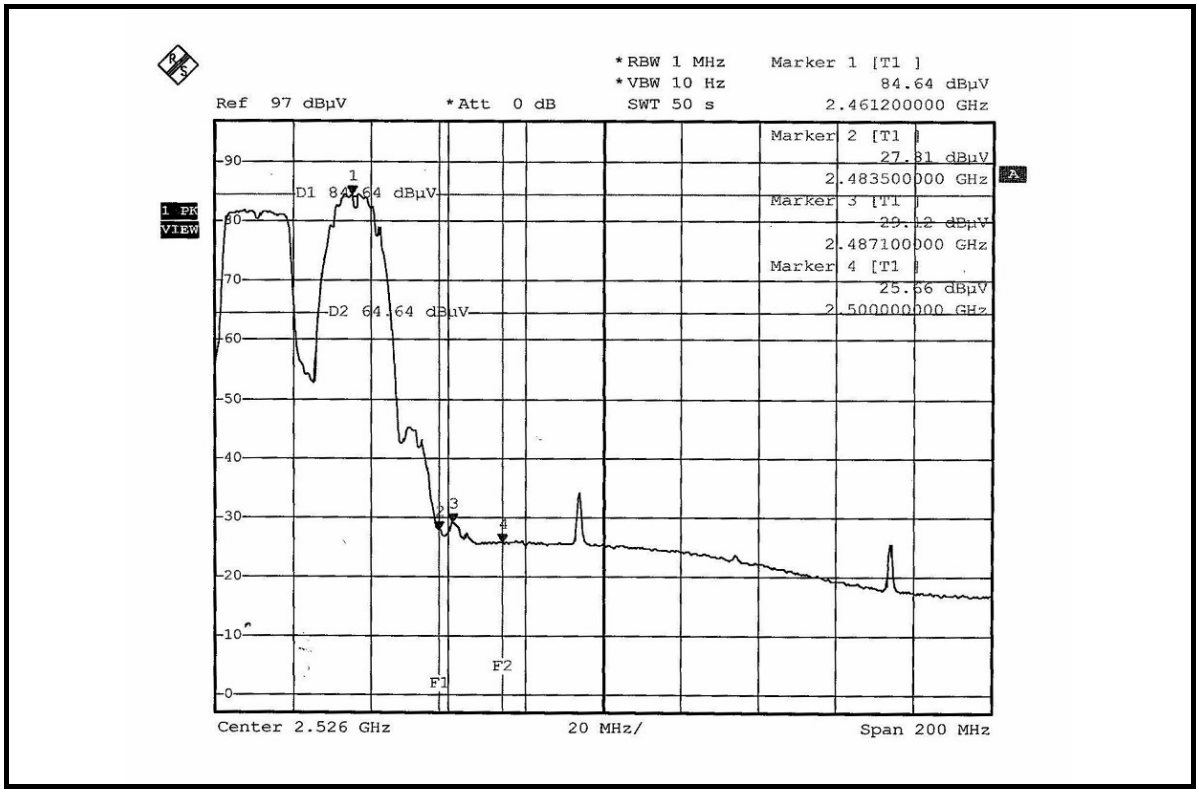
The band edge emission plot on the next third page shows 55.52dBc between carrier maximum power and local maximum emission in restrict band (2.48710GHz). The emission of carrier strength list in the test result of channel 6 & channel 11 at the item 4.2.7 is 108.00dBuV/m (Average), so the maximum field strength in restrict band is 108.00 - 55.52 = 52.48dBuV/m which is under 54dBuV/m limit.

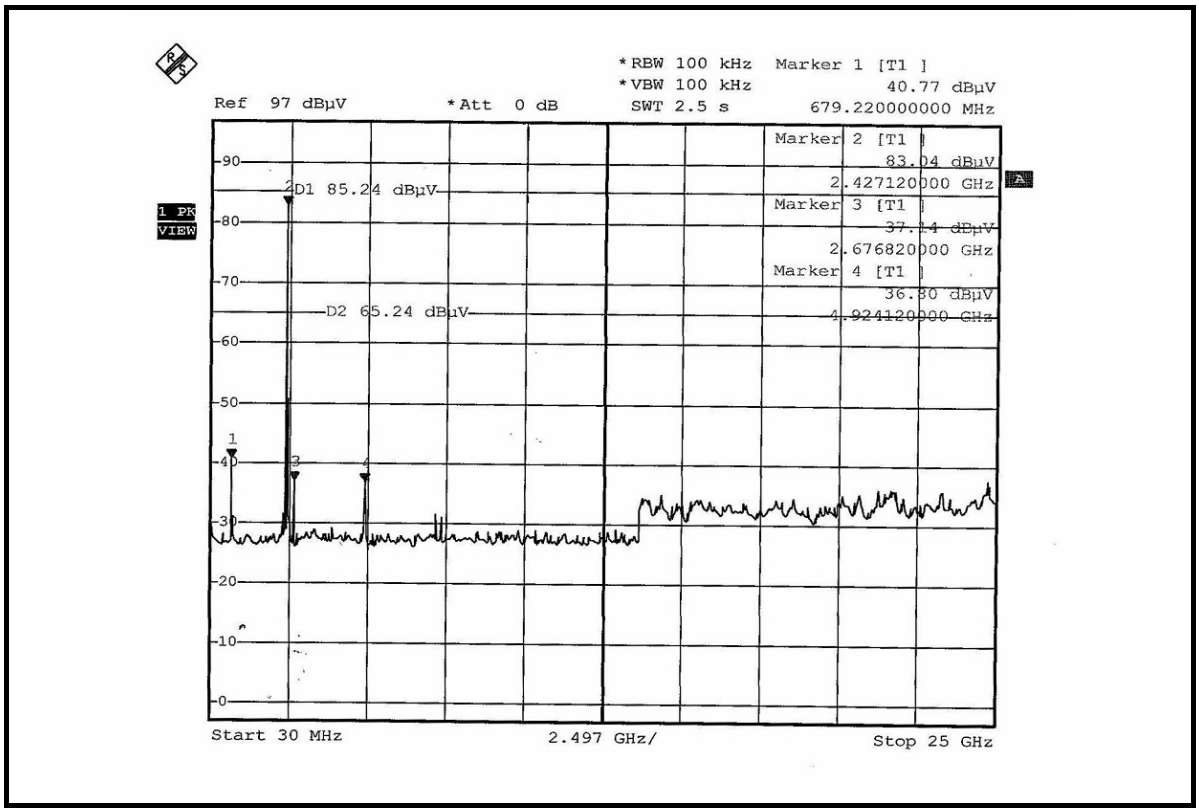

*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 1 [T1]
85.54 dBµV
2.436800000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
49.92 dBµV
2.400000000 GHz
Marker 3 [T1]
34.63 dBµV
2.390000000 GHz
Marker 4 [T1]
34.63 dBµV
2.390000000 GHz
D1 85.54 dBµV
D2 65.54 dBµV
1 PK
VIEW
F2
F1
Center 2.346 GHz
20 MHz/
Span 200 MHz


*RBW 1 MHz
*VBW 10 Hz
SWT 50 s
Marker 1 [T1]
85.21 dBµV
2.436400000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
44.72 dBµV
2.400000000 GHz
Marker 3 [T1]
30.51 dBµV
2.390000000 GHz
Marker 4 [T1]
30.51 dBµV
2.390000000 GHz
D1 85.21 dBµV
D2 65.21 dBµV
1 PK
VIEW
F2
F1
Center 2.346 GHz
20 MHz/
Span 200 MHz


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 1 [T1]
41.15 dBµV
679.220000000 MHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
83.03 dBµV
2.427120000 GHz
Marker 3 [T1]
41.96 dBµV
4.874180000 GHz
Marker 4 [T1]
33.17 dBµV
7.221360000 GHz
D1 85.54 dBµV
D2 65.54 dBµV
1 PK
VIEW
Start 30 MHz
2.497 GHz/
Stop 25 GHz


*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 1 [T1]
85.24 dBµV
2.461200000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
29.29 dBµV
2.483500000 GHz
Marker 3 [T1]
31.46 dBµV
2.486700000 GHz
Marker 4 [T1]
30.55 dBµV
2.500000000 GHz
D1 85.24 dBµV
D2 65.24 dBµV
1 PK
VIEW
F1
F2
Center 2.526 GHz
20 MHz/
Span 200 MHz


*RBW 1 MHz
*VBW 10 Hz
SWT 50 s
Marker 1 [T1]
84.64 dBµV
2.461200000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
27.81 dBµV
2.483500000 GHz
Marker 3 [T1]
29.12 dBµV
2.487100000 GHz
Marker 4 [T1]
25.56 dBµV
2.500000000 GHz
1 PK
VIEW
D1 84.64 dBµV
D2 64.64 dBµV
F1
F2
Center 2.526 GHz
20 MHz/
Span 200 MHz


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 1 [T1]
40.77 dBµV
679.220000000 MHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
83.04 dBµV
2.427120000 GHz
Marker 3 [T1]
37.14 dBµV
2.676820000 GHz
Marker 4 [T1]
36.80 dBµV
4.924120000 GHz
1 PK
VIEW
D1 85.24 dBµV
D2 65.24 dBµV
Start 30 MHz
2.497 GHz/
Stop 25 GHz

DUAL TX: 802.11g OFDM & 802.11g OFDM MODULATION (TEST MODE B)

NOTE 1:

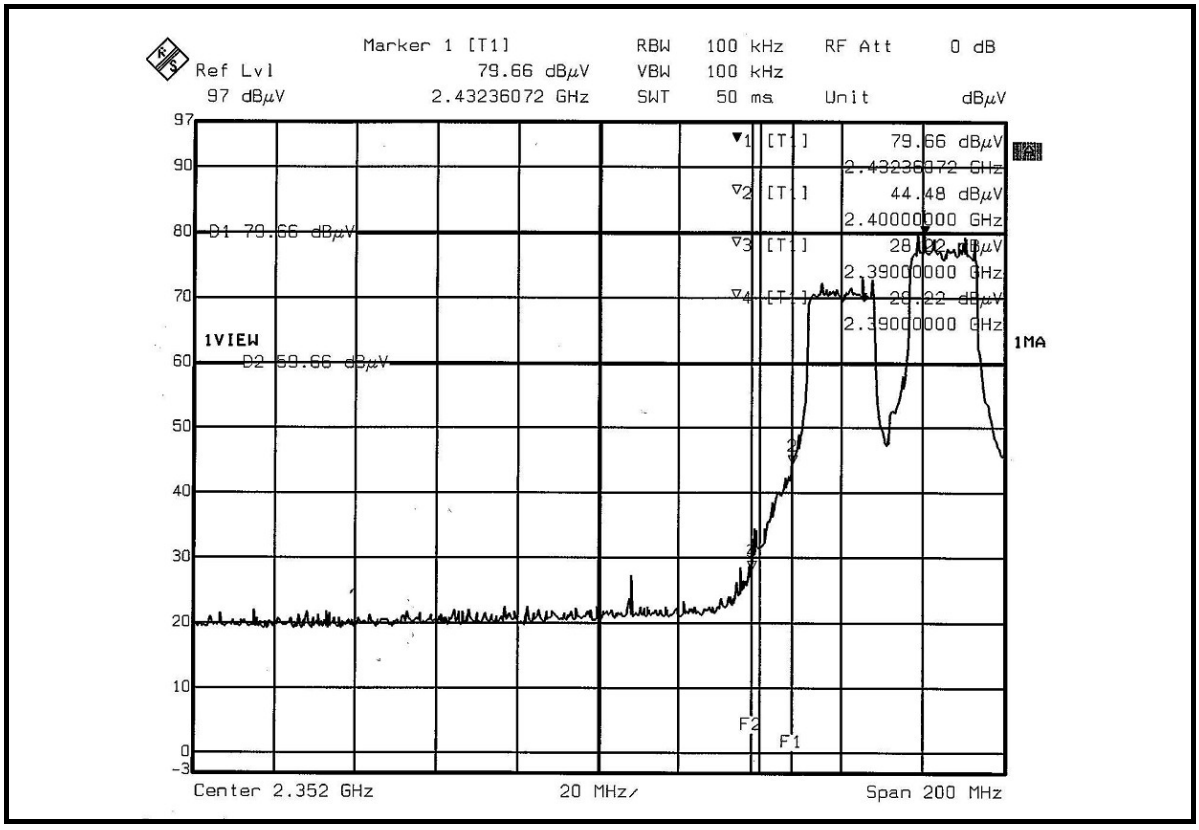
The band edge emission plot on the next page shows 51.44dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 & channel 6 at the item 4.2.7 is 111.12dBuV/m (Peak), so the maximum field strength in restrict band is 111.12 - 51.44 = 59.68dBuV/m which is under 74dBuV/m limit.

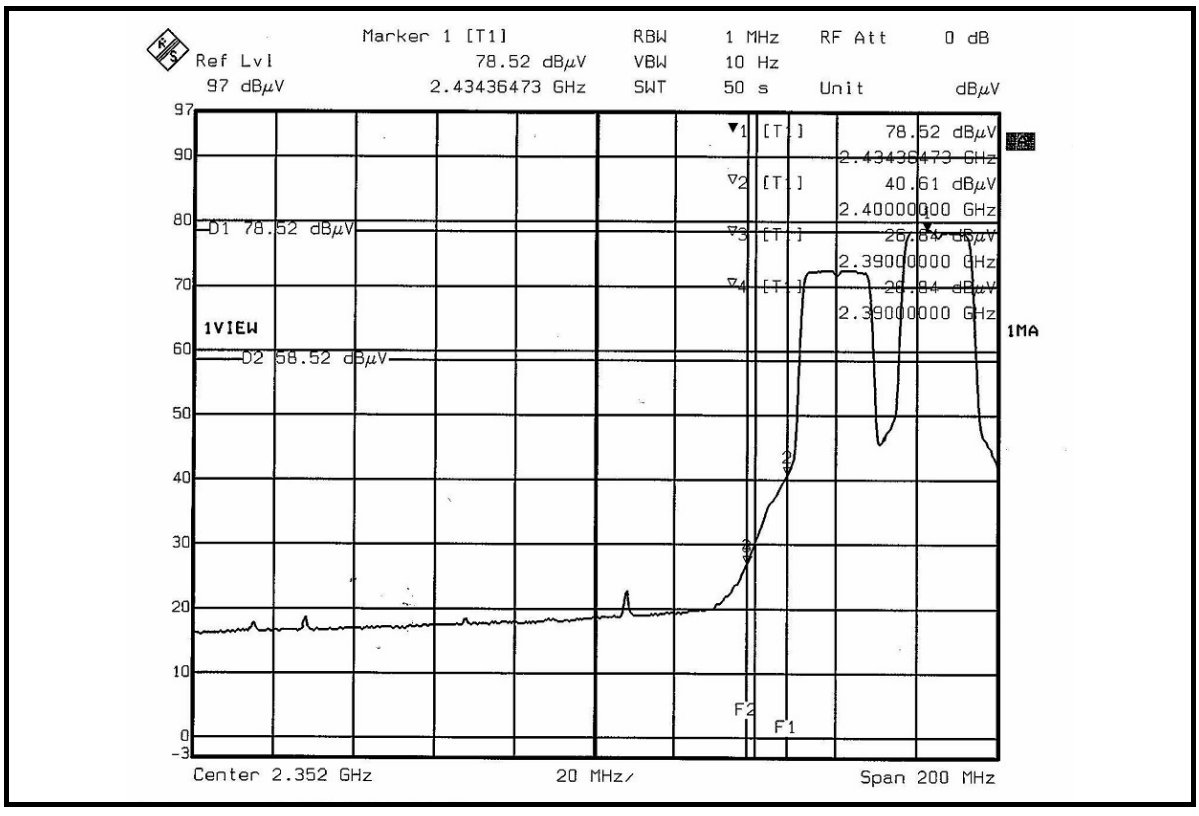
The band edge emission plot of on the next page shows 51.68dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 & channel 6 at the item 4.2.7 is 101.44dBuV/m (Average), so the maximum field strength in restrict band is 101.44 - 51.68 = 49.76dBuV/m which is under 54dBuV/m limit.

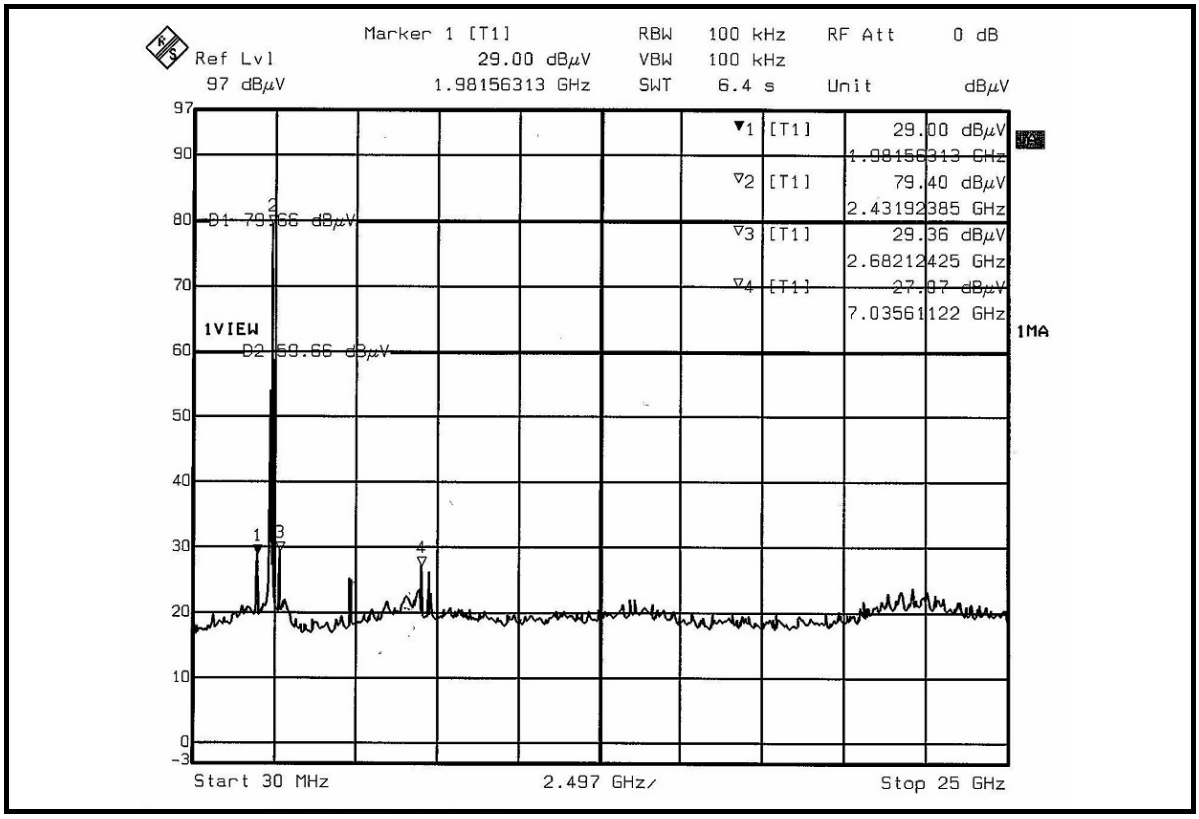
NOTE 2:

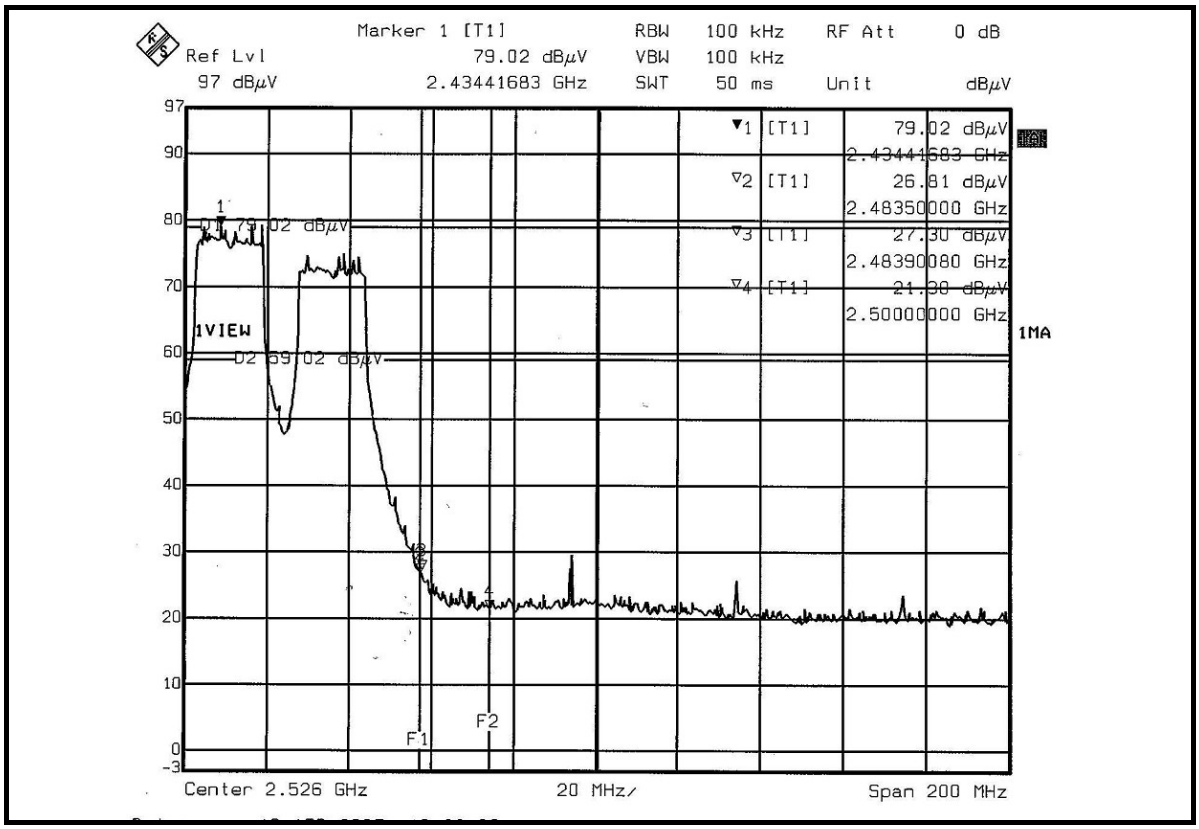
The band edge emission plot on the next second page shows 51.72dBc between carrier maximum power and local maximum emission in restrict band (2.48390GHz). The emission of carrier strength list in the test result of channel 6 & channel 11 at the item 4.2.7 is 111.80dBuV/m (Peak), so the maximum field strength in restrict band is 111.80 – 51.72 = 60.08dBuV/m which is under 74dBuV/m limit.

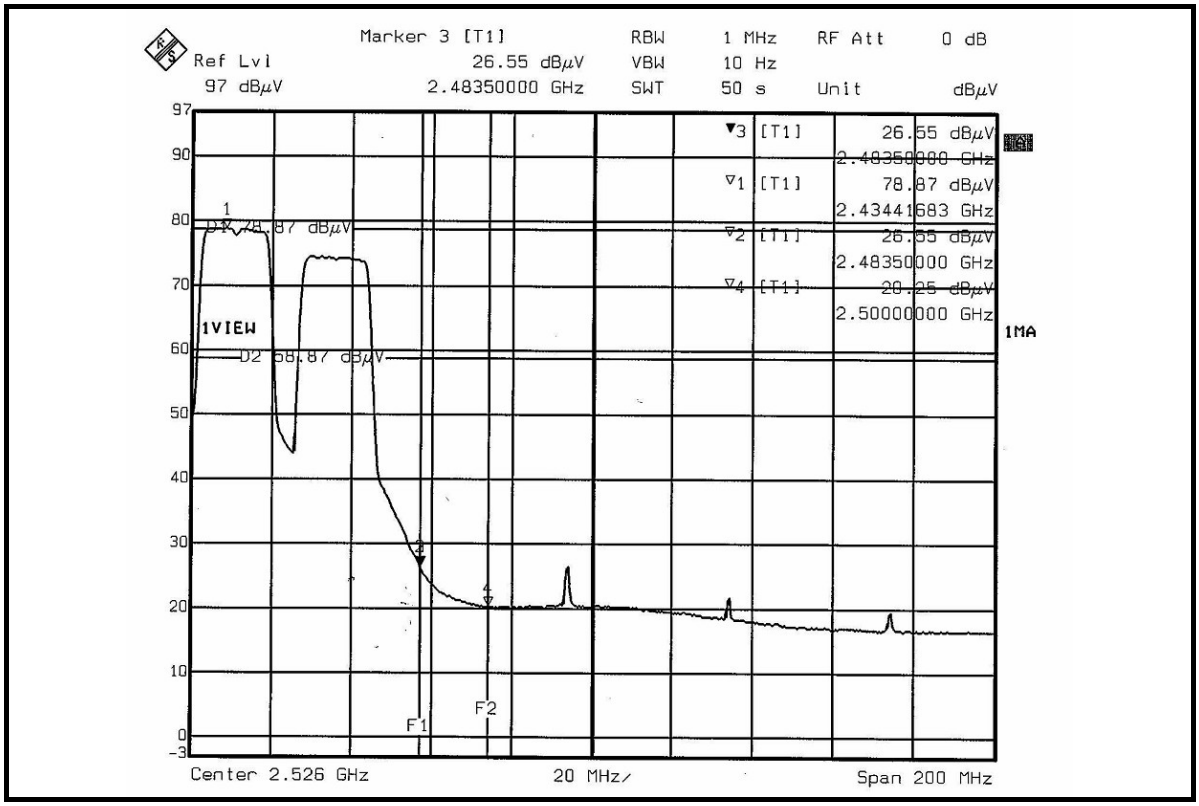
The band edge emission plot on the next third page shows 52.32dBc between carrier maximum power and local maximum emission in restrict band (2.48350GHz). The emission of carrier strength list in the test result of channel 6 & channel 11 at the item 4.2.7 is 101.74dBuV/m (Average), so the maximum field strength in restrict band is 101.74 – 52.32 = 49.42dBuV/m which is under 54dBuV/m limit.

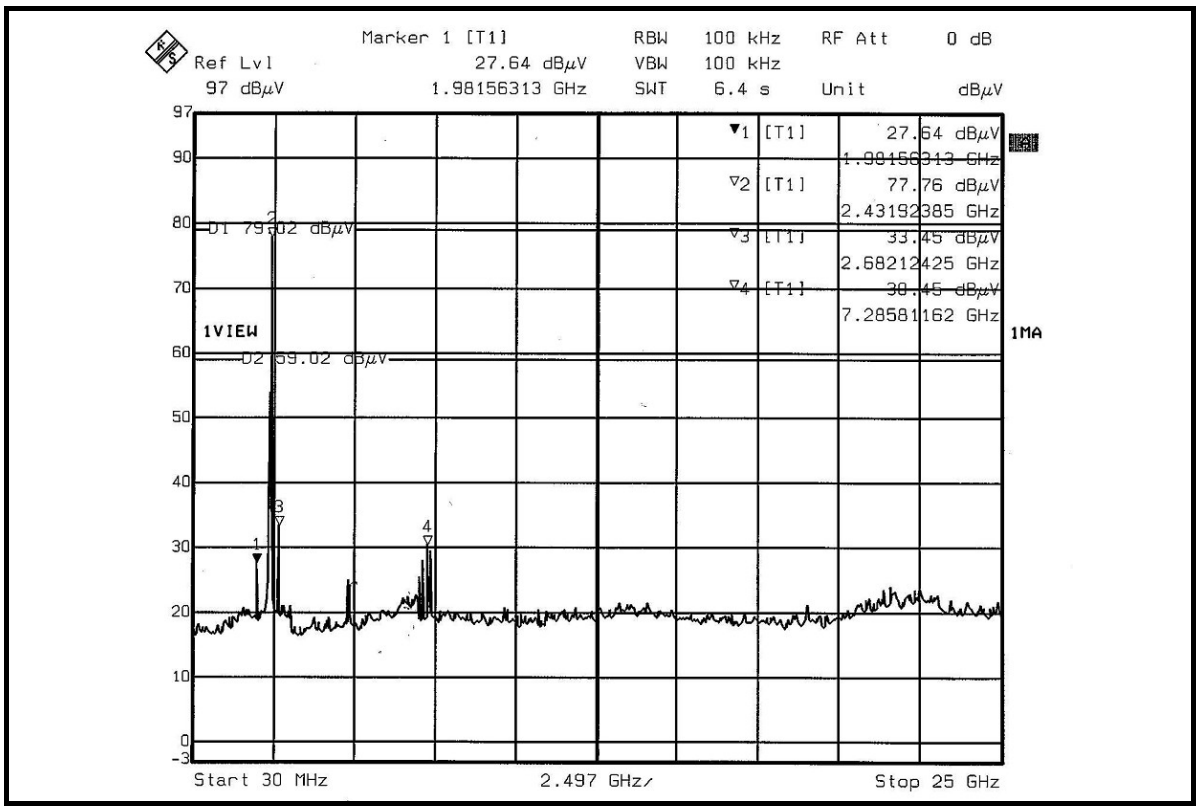

Marker 1 [T1]
RBW 100 kHz
RF Att 0 dB
Ref Lvl
79.66 dBµV
VBW 100 kHz
97 dBµV
2.43236072 GHz
SWT 50 ms
Unit dBµV
1 [T1] 79.66 dBµV
2.43236072 GHz
2 [T1] 44.48 dBµV
2.40000000 GHz
3 [T1] 28.02 dBµV
2.39000000 GHz
4 [T1] 29.22 dBµV
2.39000000 GHz
D1 79.66 dBµV
D2 59.66 dBµV
1VIEW
1MA
F2
F1
Center 2.352 GHz
20 MHz/
Span 200 MHz


Marker 1 [T1]
RBW 1 MHz
RF Att 0 dB
Ref Lvl
78.52 dBµV
VBW 10 Hz
97 dBµV
2.43436473 GHz
SWT 50 s
Unit dBµV
1 [T1] 78.52 dBµV
2.43436473 GHz
2 [T1] 40.61 dBµV
2.40000000 GHz
3 [T1] 26.84 dBµV
2.39000000 GHz
4 [T1] 26.84 dBµV
2.39000000 GHz
D1 78.52 dBµV
D2 58.52 dBµV
1VIEW
1MA
F2
F1
Center 2.352 GHz
20 MHz/
Span 200 MHz


Marker 1 [T1]
RBW 100 kHz
RF Att 0 dB
Ref Lvl
29.00 dBµV
VBW 100 kHz
97 dBµV
1.98156313 GHz
SWT 6.4 s
Unit dBµV
▼1 [T1] 29.00 dBµV
1.98156313 GHz
▽2 [T1] 79.40 dBµV
2.43192385 GHz
▽3 [T1] 29.36 dBµV
2.68212425 GHz
▽4 [T1] 27.07 dBµV
7.03561122 GHz
D1 79.66 dBµV
1VIEW
D2 59.66 dBµV
1MA
Start 30 MHz
2.497 GHz/
Stop 25 GHz


Marker 1 [T1]
RBW 100 kHz
RF Att 0 dB
Ref Lvl
79.02 dBµV
VBW 100 kHz
97 dBµV
2.43441683 GHz
SWT 50 ms
Unit dBµV
▼1 [T1] 79.02 dBµV
2.43441683 GHz
▽2 [T1] 26.81 dBµV
2.48350000 GHz
▽3 [T1] 27.30 dBµV
2.48390080 GHz
▽4 [T1] 21.30 dBµV
2.50000000 GHz
D1 79.02 dBµV
1VIEW
D2 59.02 dBµV
1MA
F1
F2
Center 2.526 GHz
20 MHz/
Span 200 MHz


Marker 3 [T1]
RBW 1 MHz
RF Att 0 dB
Ref Lvl
26.55 dBµV
VBW 10 Hz
97 dBµV
2.48350000 GHz
SWT 50 s
Unit dBµV
▼3 [T1] 26.55 dBµV
2.48350000 GHz
▽1 [T1] 78.87 dBµV
2.43441683 GHz
▽2 [T1] 26.55 dBµV
2.48350000 GHz
▽4 [T1] 28.25 dBµV
2.50000000 GHz
1VIEW
D1 78.87 dBµV
D2 68.87 dBµV
1MA
F1
F2
Center 2.526 GHz
20 MHz/
Span 200 MHz


Marker 1 [T1]
RBW 100 kHz
RF Att 0 dB
Ref Lvl
27.64 dBµV
VBW 100 kHz
97 dBµV
1.98156313 GHz
SWT 6.4 s
Unit dBµV
▼1 [T1] 27.64 dBµV
1.98156313 GHz
▽2 [T1] 77.76 dBµV
2.43192385 GHz
▽3 [T1] 33.45 dBµV
2.68212425 GHz
▽4 [T1] 30.45 dBµV
7.28581162 GHz
1VIEW
D1 79.02 dBµV
D2 69.02 dBµV
1MA
Start 30 MHz
2.497 GHz/
Stop 25 GHz

DUAL TX: 802.11g OFDM & 802.11g OFDM MODULATION (TEST MODE C)

NOTE 1:

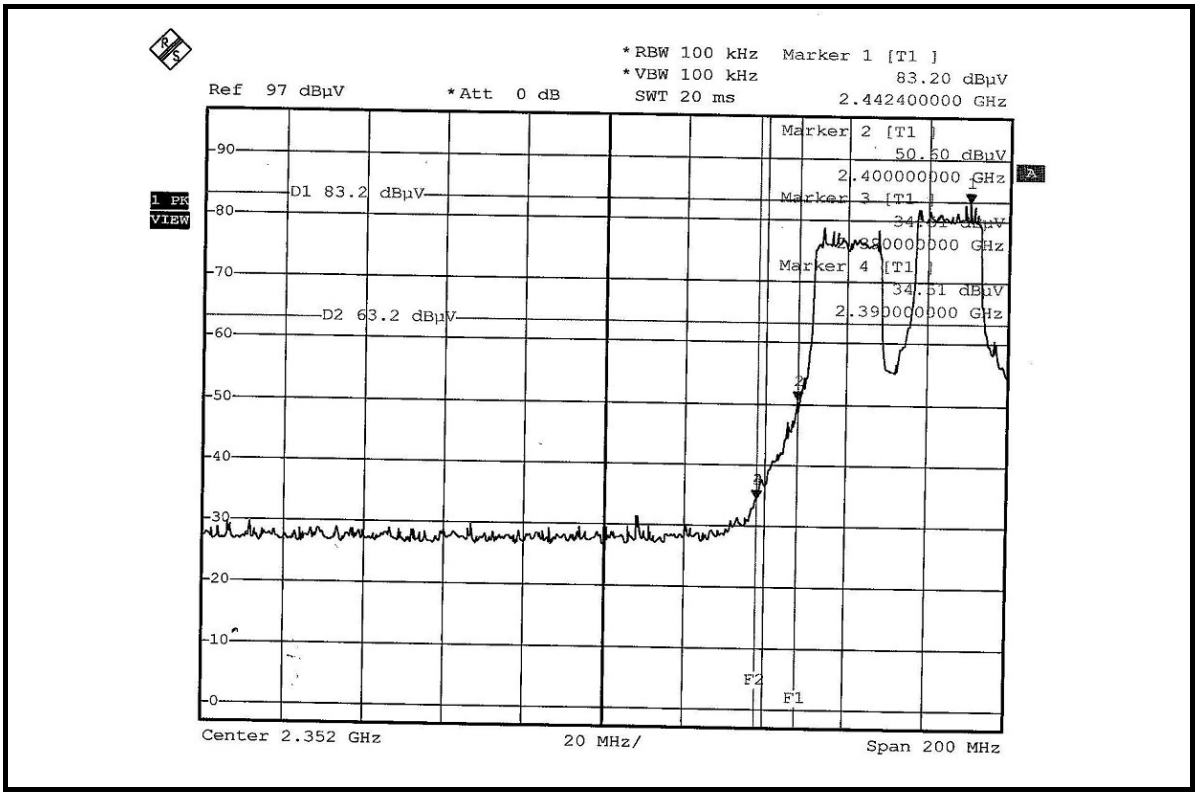
The band edge emission plot on the next page shows 48.69dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 & channel 6 at the item 4.2.7 is 113.86dBuV/m (Peak), so the maximum field strength in restrict band is 113.86 – 48.69 = 65.17dBuV/m which is under 74dBuV/m limit.

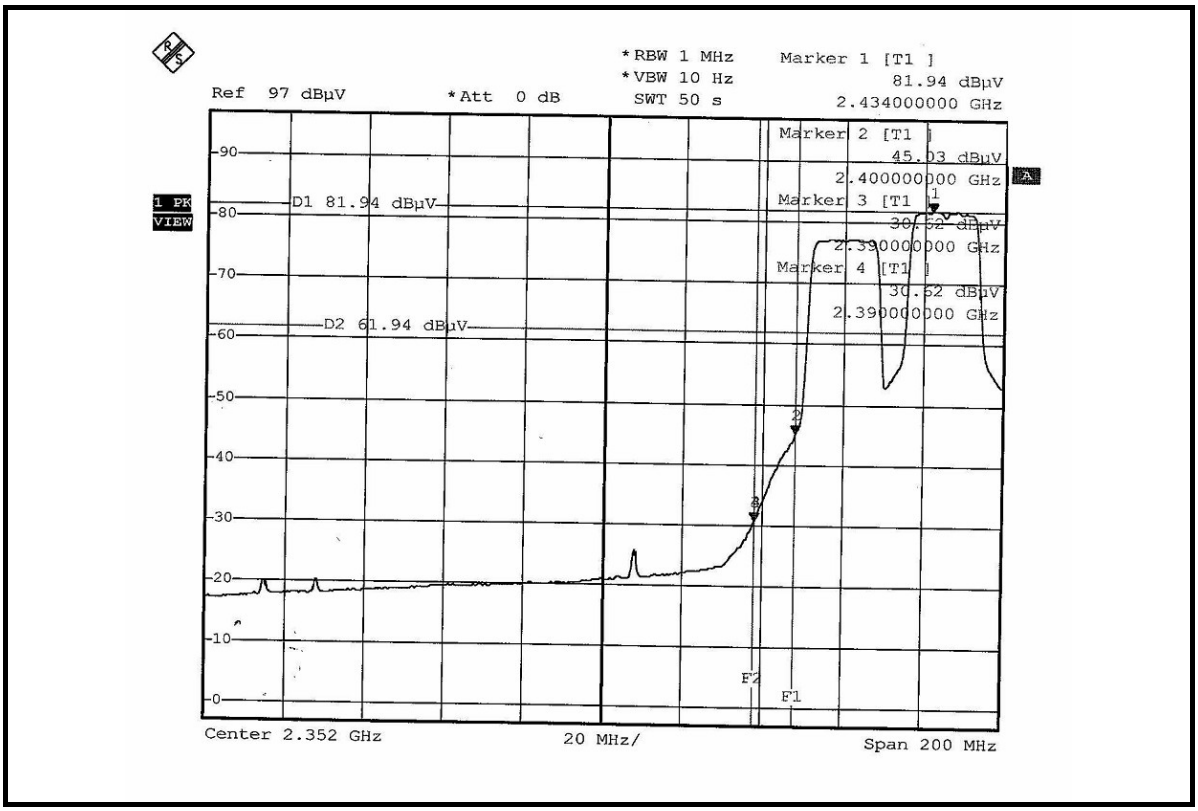
The band edge emission plot of on the next page shows 51.32dBc between carrier maximum power and local maximum emission in restrict band (2.39000GHz). The emission of carrier strength list in the test result of channel 1 & channel 6 at the item 4.2.7 is 104.32dBuV/m (Average), so the maximum field strength in restrict band is 104.32 – 51.32 = 53.00dBuV/m which is under 54dBuV/m limit.

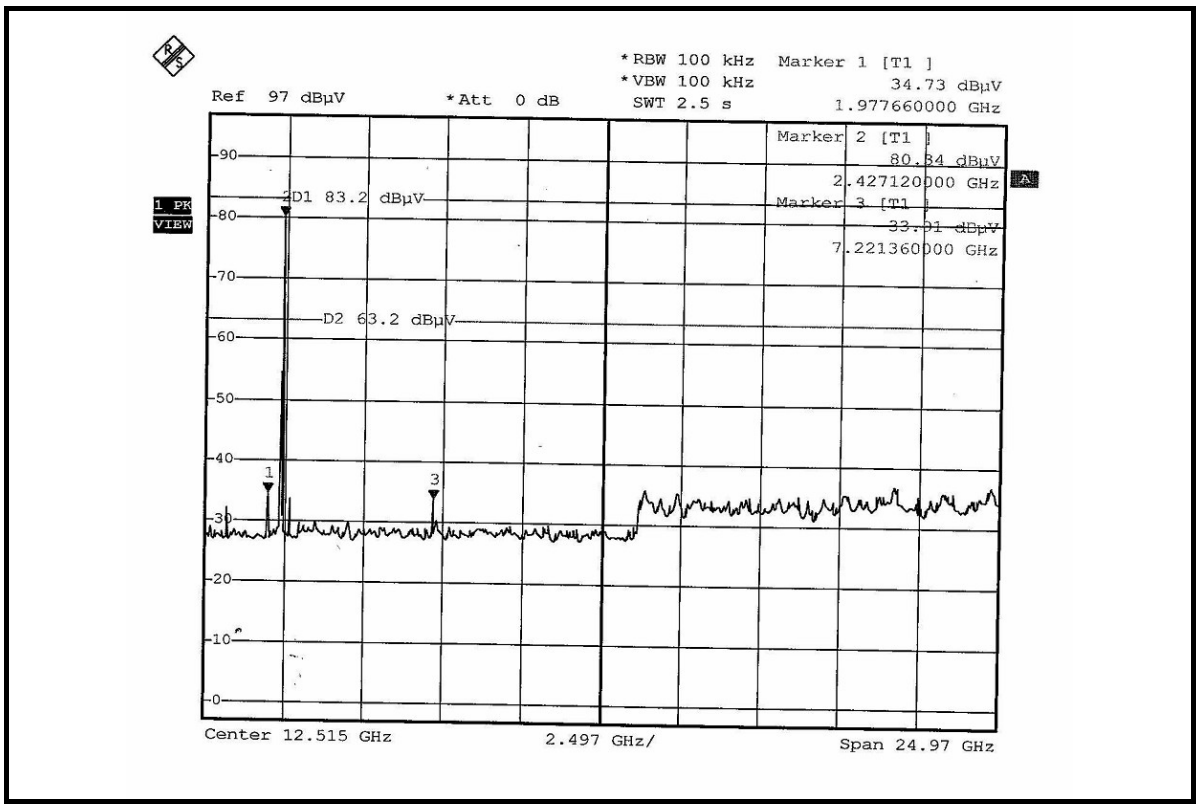
NOTE 2:

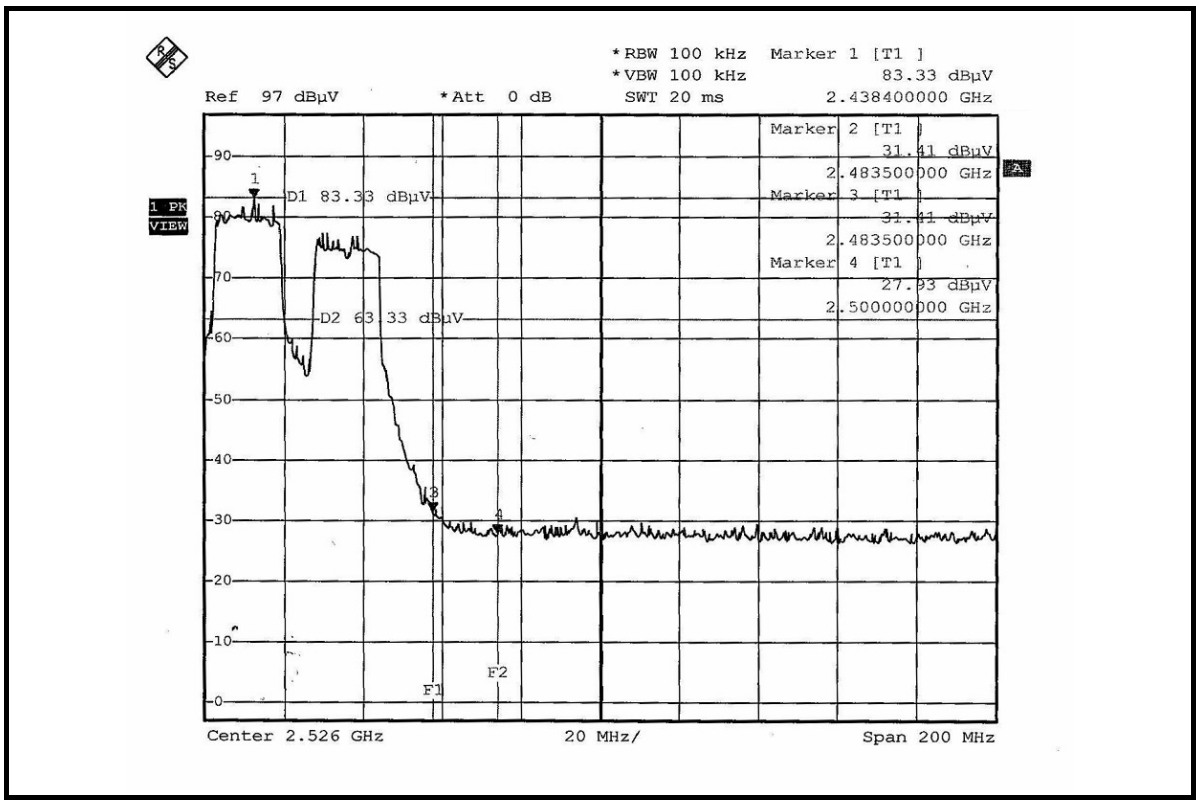
The band edge emission plot on the next second page shows 51.92dBc between carrier maximum power and local maximum emission in restrict band (2.48390GHz). The emission of carrier strength list in the test result of channel 6 & channel 11 at the item 4.2.7 is 113.95dBuV/m (Peak), so the maximum field strength in restrict band is 113.95 – 51.92 = 62.03dBuV/m which is under 74dBuV/m limit.

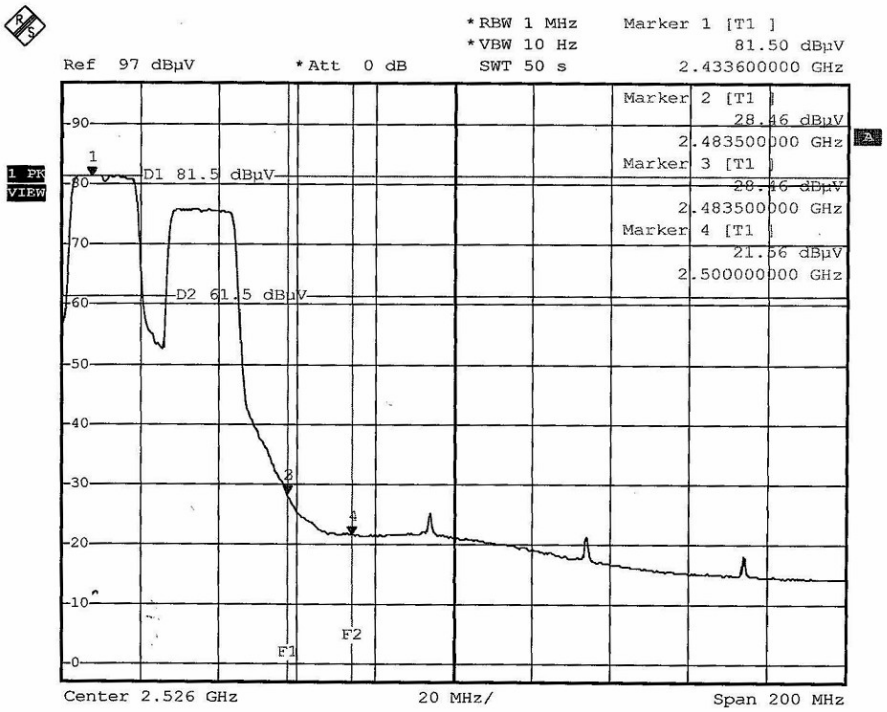
The band edge emission plot on the next third page shows 53.04dBc between carrier maximum power and local maximum emission in restrict band (2.48350GHz). The emission of carrier strength list in the test result of channel 6 & channel 11 at the item 4.2.7 is 104.84dBuV/m (Average), so the maximum field strength in restrict band is 104.84 – 53.04 = 51.80dBuV/m which is under 54dBuV/m limit.

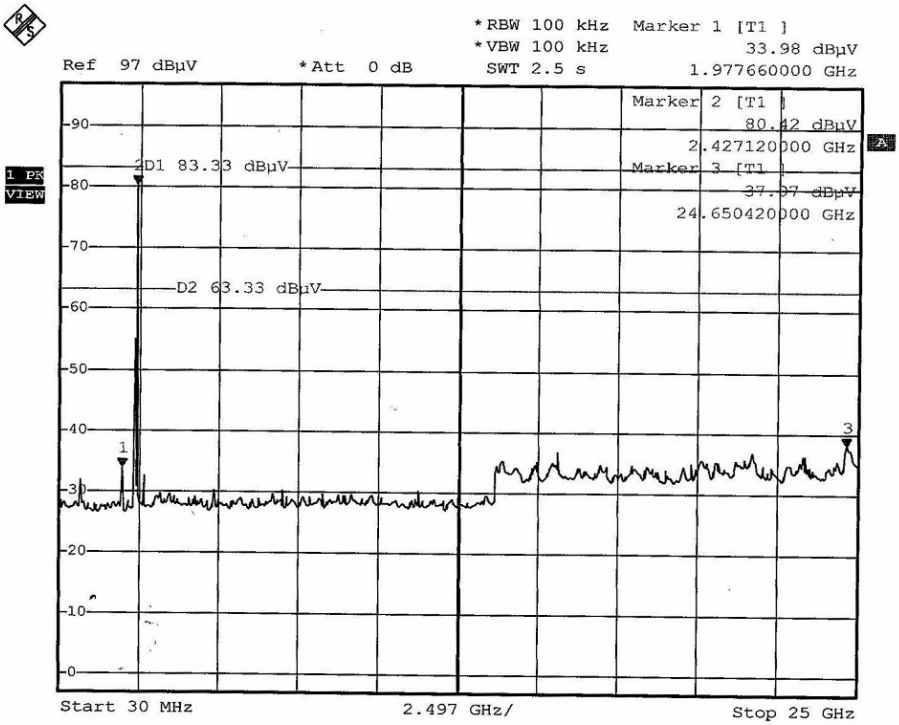

*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 1 [T1]
83.20 dBµV
2.442400000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
50.60 dBµV
2.400000000 GHz
Marker 3 [T1]
Marker 4 [T1]
34.51 dBµV
2.390000000 GHz
1 PK VIEW
D1 83.2 dBµV
D2 63.2 dBµV
Center 2.352 GHz
20 MHz/
Span 200 MHz


*RBW 1 MHz
*VBW 10 Hz
SWT 50 s
Marker 1 [T1]
81.94 dBµV
2.434000000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
45.03 dBµV
2.400000000 GHz
Marker 3 [T1]
Marker 4 [T1]
30.62 dBµV
2.390000000 GHz
1 PK VIEW
D1 81.94 dBµV
D2 61.94 dBµV
Center 2.352 GHz
20 MHz/
Span 200 MHz


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 1 [T1]
34.73 dBµV
1.977660000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
80.84 dBµV
2.427120000 GHz
Marker 3 [T1]
33.91 dBµV
7.221360000 GHz
1 PK
VIEW
D1 83.2 dBµV
D2 63.2 dBµV
Center 12.515 GHz
2.497 GHz/
Span 24.97 GHz


*RBW 100 kHz
*VBW 100 kHz
SWT 20 ms
Marker 1 [T1]
83.33 dBµV
2.438400000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
31.41 dBµV
2.483500000 GHz
Marker 3 [T1]
31.41 dBµV
2.483500000 GHz
Marker 4 [T1]
27.93 dBµV
2.500000000 GHz
1 PK
VIEW
D1 83.33 dBµV
D2 63.33 dBµV
F1
F2
Center 2.526 GHz
20 MHz/
Span 200 MHz


*RBW 1 MHz
*VBW 10 Hz
SWT 50 s
Marker 1 [T1]
81.50 dBµV
2.433600000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
28.46 dBµV
2.483500000 GHz
Marker 3 [T1]
28.46 dBµV
2.483500000 GHz
Marker 4 [T1]
21.56 dBµV
2.500000000 GHz
1 PK VIEW
D1 81.5 dBµV
D2 61.5 dBµV
F1
F2
Center 2.526 GHz
20 MHz/
Span 200 MHz


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 1 [T1]
33.98 dBµV
1.977660000 GHz
Ref 97 dBµV
*Att 0 dB
Marker 2 [T1]
80.42 dBµV
2.427120000 GHz
Marker 3 [T1]
37.97 dBµV
24.650420000 GHz
1 PK VIEW
D1 83.33 dBµV
D2 63.33 dBµV
Start 30 MHz
2.497 GHz/
Stop 25 GHz

4.4 ANTENNA REQUIREMENT

4.4.1 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.

4.4.2 ANTENNA CONNECTED CONSTRUCTION

The antennas used in this product are Dipole with R-TNC connector and Dualband Built-in directional antenna with UFL connector. The maximum Gain of the antenna is 6dBi.

5. TEST TYPES AND RESULTS (FOR 802.11a 5725~5850MHz Band)

5.1 CONDUCTED EMISSION MEASUREMENT

5.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5 0.5-5 5-30	66 to 56 56 60	56 to 46 46 50

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

5.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Dec. 07, 2007
RF signal cable Woken	5D-FB	Cable-HYC01-01	Jan. 06, 2008
LISN ROHDE & SCHWARZ	ESH3-Z5	100312	Feb. 13, 2008
LISN ROHDE & SCHWARZ	ESH2-Z5	100104	Sep. 14, 2007
Software ADT	ADT_Cond_V3	NA	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 1.

3. The VCCI Site Registration No. is C-2040.

5.1.3 TEST PROCEDURES

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

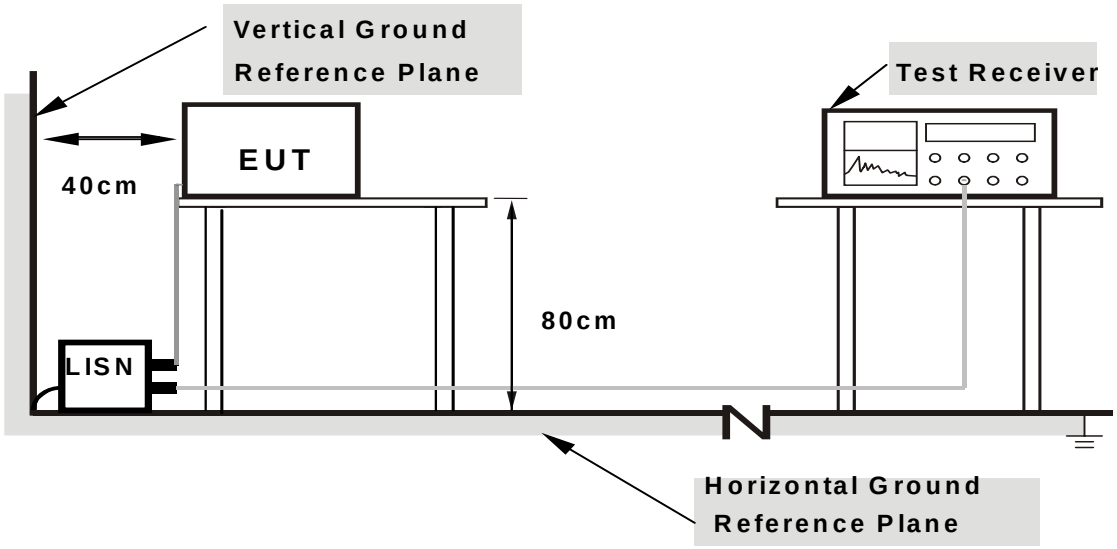
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit – 20dB) was not recorded.

5.1.4 DEVIATION FROM TEST STANDARD

No deviation

5.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

5.1.6 EUT OPERATING CONDITIONS

Same as 4.1.6

5.1.7 TEST RESULTS

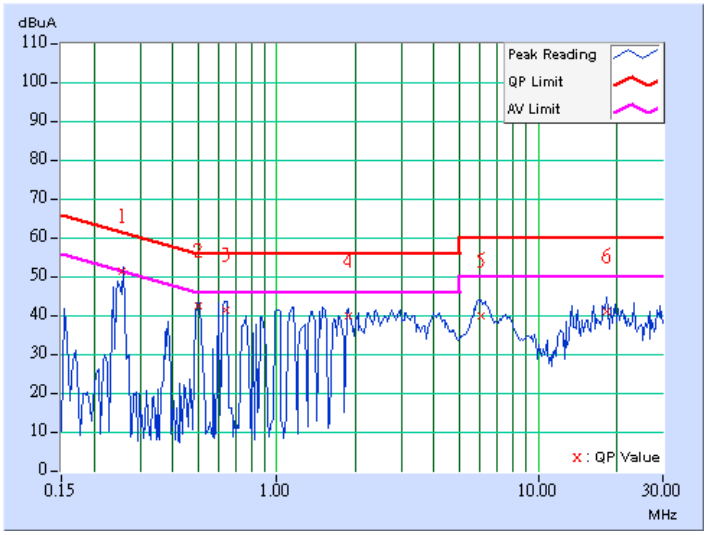
CONDUCTED WORST-CASE DATA

FOR TEST MODE A (ADAPTER MODE):

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	**PHASE**	Line 1
MODULATION TYPE	BPSK	**6dB BANDWIDTH**	9 kHz
TRANSFER RATE	6Mbps	**ENVIRONMENTAL CONDITIONS**	20deg. C, 60%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**TESTED BY**	Match Tsui

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.254	0.21	50.46	-	50.67	-	61.62	51.62	-10.95	-
2	0.503	0.22	41.79	-	42.01	-	56.00	46.00	-13.99	-
3	0.640	0.22	40.51	-	40.73	-	56.00	46.00	-15.27	-
4	1.887	0.26	39.17	-	39.43	-	56.00	46.00	-16.57	-
5	6.082	0.44	39.21	-	39.65	-	60.00	50.00	-20.35	-
6	18.242	0.93	40.02	-	40.95	-	60.00	50.00	-19.05	-

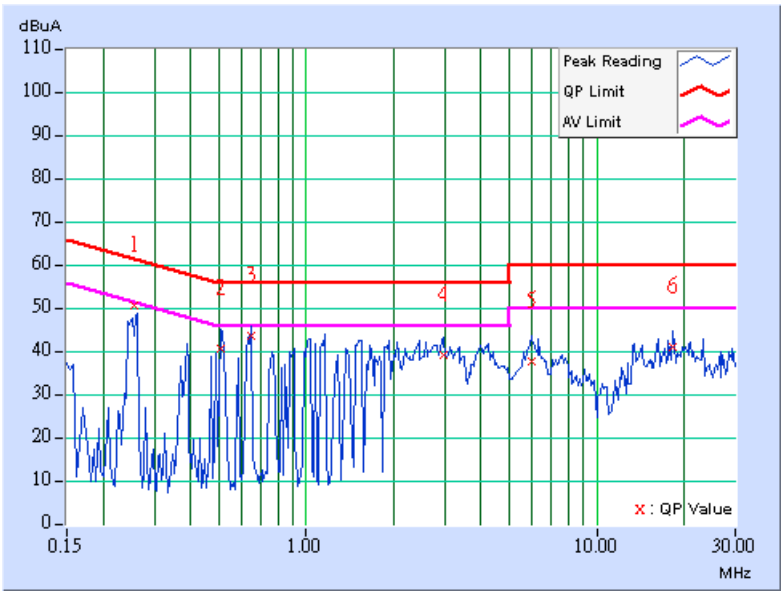
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Match Tsui

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.257	0.21	50.25	-	50.46	-	61.53	51.53	-11.07	-
2	0.508	0.22	40.30	-	40.52	-	56.00	46.00	-15.48	-
3	0.646	0.22	43.36	-	43.58	-	56.00	46.00	-12.42	-
4	2.969	0.32	38.62	-	38.94	-	56.00	46.00	-17.06	-
5	5.941	0.44	37.46	-	37.90	-	60.00	50.00	-22.10	-
6	18.242	0.50	40.51	-	41.01	-	60.00	50.00	-18.99	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



FOR TEST MODE B (POE MODE):

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Match Tsui

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.170	0.21	46.33	-	46.54	-	64.98	54.98	-18.45	-
2	0.256	0.21	35.85	-	36.06	-	61.57	51.57	-25.51	-
3	0.341	0.21	35.10	-	35.31	-	59.17	49.17	-23.86	-
4	0.849	0.23	32.79	-	33.02	-	56.00	46.00	-22.98	-
5	4.168	0.39	32.68	-	33.07	-	56.00	46.00	-22.93	-
6	17.759	0.90	48.04	-	48.94	-	60.00	50.00	-11.06	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.