FCC TEST REPORT

REPORT NO. : RF960822L16
MODEL NO. : TRK-RF-02
RECEIVED : Aug. 22, 2007
TESTED : Aug. 30 ~ Sep. 01, 2007
ISSUED : Jun. 18, 2008

APPLICANT : Teraoka Weigh-System Pte Ltd

ADDRESS : 4, Leng Kee Road, #05-02/03/04/05/11, SIS Building, Singapore 159088

ISSUED BY : Advance Data Technology Corporation

LAB ADDRESS : No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang 244, Taipei Hsien, Taiwan, R.O.C.

TEST LOCATION : No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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1. CERTIFICATION

PRODUCT:	RF_CC2510 Module
MODEL:	TRK-RF-02
BRAND:	DIGI
APPLICANT:	Teraoka Weigh-System Pte Ltd
TESTED:	Aug. 30 ~ Sep. 01, 2007
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 15, Subpart C (Section 15.249)**
	ANSI C63.4-2003

The above equipment (model: TRK-RF-02) have been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : _____ , **DATE:** Jun. 18, 2008
Andrea Hsia / Specialist

TECHNICAL ACCEPTANCE : _____ , **DATE:** Jun. 18, 2008
Responsible for RF
Long Chen / Senior Engineer

APPROVED BY : _____ , **DATE:** Jun. 18, 2008
Gary Chang / Assistant Manager

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C (Section 15.249)			
STANDARD PARAGRAPH	**TEST TYPE**	**RESULT**	**REMARK**
15.207	Conducted Emission Test	PASS	Meet the requirement of limit. Minimum passing margin is -17.69dB at 0.205MHz.
15.209 15.249 15.249 (d)	Radiated Emission Test Band Edge Measurement Limit: 50dB less than the peak value of fundamental frequency or meet radiated emission limit in section 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -0.7dB at 2480.00MHz.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.19 dB
	200MHz ~1000MHz	3.21 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	RF_CC2510 Module
MODEL NO.	TRK-RF-02
FCC ID	SUFTRKRF02
POWER SUPPLY	3Vdc from host equipment
MODULATION TYPE	FSK, MSK
FREQUENCY RANGE	2405 ~ 2480MHz
NUMBER OF CHANNEL	76
ANTENNA TYPE	SMD Chip antenna with 4.1dBi
DATA CABLE	NA
I/O PORT	NA
ACCESSORY DEVICES	NA

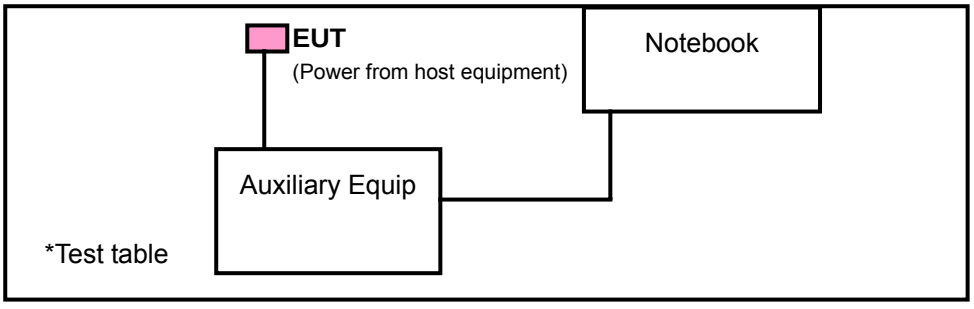
NOTE: The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

76 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	2405.00	27	2431.00	53	2457.00
2	2406.00	28	2432.00	54	2458.00
3	2407.00	29	2433.00	55	2459.00
4	2408.00	30	2434.00	56	2460.00
5	2409.00	31	2435.00	57	2461.00
6	2410.00	32	2436.00	58	2462.00
7	2411.00	33	2437.00	59	2463.00
8	2412.00	34	2438.00	60	2464.00
9	2413.00	35	2439.00	61	2465.00
10	2414.00	36	2440.00	62	2466.00
11	2415.00	37	2441.00	63	2467.00
12	2416.00	38	2442.00	64	2468.00
13	2417.00	39	2443.00	65	2469.00
14	2418.00	40	2444.00	66	2470.00
15	2419.00	41	2445.00	67	2471.00
16	2420.00	42	2446.00	68	2472.00
17	2421.00	43	2447.00	69	2473.00
18	2422.00	44	2448.00	70	2474.00
19	2423.00	45	2449.00	71	2475.00
20	2424.00	46	2450.00	72	2476.00
21	2425.00	47	2451.00	73	2477.00
22	2426.00	48	2452.00	74	2478.00
23	2427.00	49	2453.00	75	2479.00
24	2428.00	50	2454.00	76	2480.00
25	2429.00	51	2455.00		
26	2430.00	52	2456.00		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	BM	
A	√	√	√	√	For Modulation: FSK
B	√	√	√	√	For Modulation: MSK

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **BM:** Bandedge Measurement

RADIATED EMISSION TEST (ABOVE 1 GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGUR MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
A	1 to 76	1, 39, 76	FSK
B	1 to 76	1, 39, 76	MSK

RADIATED EMISSION TEST (BELOW 1 GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGUR MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
A	1 to 76	76	FSK
B	1 to 76	76	MSK

POWER LINE CONDUCTED EMISSION TEST:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGUR MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
A	1 to 76	76	FSK
B	1 to 76	76	MSK

BANDEDGE MEASUREMENT:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGUR MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
A	1 to 76	1, 76	FSK
B	1 to 76	1, 76	MSK

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C (Section 15.249)

ANSI C63.4-2003

All test items have been performed and recorded as per the above standards.

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK COMPUTER	DELL	D600	CN-0G5152-48643-49C-8221	FCC DoC Approved
2	AUXILIARY EQUIPMENT	NA	NA	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.5m USB cable without core
2	0.5m parallel cable

NOTE 1: All power cords of the above support units are non shielded (1.8m).
NOTE 2: Item 2 & parallel cable were supplied from client.

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209, 15.249 as following:

15.209 Limit		
Frequencies (MHz)	**Field strength (microvolts/meter)**	**Measurement distance (meters)**
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3
15.249 Limit		
Fundamental Frequency	**Field Strength of Fundamental (millivolts/meter)**	**Field Strength of Harmonics (microvolts/meter)**
902 ~ 928 MHz	50	500
2400 ~ 2483.5 MHz	50	500
5725 ~ 5875 MHz	50	500
24 ~ 24.25 GHz	250	2500

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESI7	838496/016	Dec. 29, 2007
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Dec. 01, 2007
BILOG Antenna SCHWARZBECK	VULB9168	9168-155	Jan. 04, 2008
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-405	Dec. 18, 2007
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170242	Jan. 16, 2008
Preamplifier Agilent	8449B	3008A1960	Oct. 30, 2007
Preamplifier Agilent	8447D	2944A10631	Oct. 30, 2007
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	230128/4	Nov. 14, 2007
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	233233/4	Nov. 14, 2007
Software ADT.	ADT_Radiated_V7.6	NA	NA
Antenna Tower inn-co GmbH	MA 4000	010303	NA
Antenna Tower Controller inn-co GmbH	CO2000	019303	NA
Turn Table ADT.	TT100.	TT93021704	NA
Turn Table Controller ADT.	SC100.	SC93021704	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 Chamber 4.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The IC Site Registration No. is IC3789B-4.

4.1.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

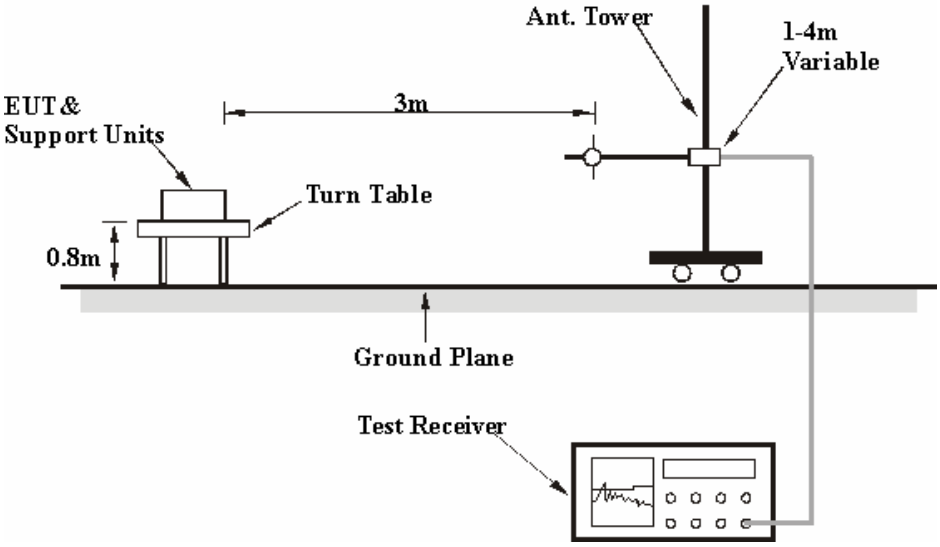
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

Set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 TEST RESULTS

ABOVE 1GHz WORST-CASE DATA

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	**FREQUENCY RANGE**	1 ~ 25GHz
MODULATION TYPE	FSK	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	**TEST MODE**	A
TESTED BY	Kevin Liang		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	53.92 PK	74.00	-20.08	1.13 H	357	21.69	32.23
2	2390.00	43.32 AV	54.00	-10.68	1.13 H	357	11.09	32.23
3	2399.99	54.64 PK	74.00	-19.36	1.13 H	356	22.37	32.27
4	2399.99	43.75 AV	54.00	-10.25	1.13 H	356	11.48	32.27
5	*2405.00	91.46 PK	114.00	-22.54	1.13 H	358	59.17	32.29
6	*2405.00	91.27 AV	94.00	-2.73	1.13 H	358	58.98	32.29
7	4810.00	51.76 PK	74.00	-22.24	1.62 H	26	13.33	38.43
8	4810.00	46.50 AV	54.00	-7.50	1.62 H	26	8.07	38.43
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	54.96 PK	74.00	-19.04	1.18 V	212	22.73	32.23
2	2390.00	43.20 AV	54.00	-10.80	1.18 V	212	10.97	32.23
3	2399.99	55.52 PK	74.00	-18.48	1.22 V	192	23.25	32.27
4	2399.99	43.37 AV	54.00	-10.63	1.22 V	192	11.10	32.27
5	*2405.00	84.31 PK	114.00	-29.69	1.24 V	192	52.02	32.29
6	*2405.00	84.04 AV	94.00	-9.96	1.24 V	192	51.75	32.29
7	4810.00	55.14 PK	74.00	-18.86	1.28 V	353	16.71	38.43
8	4810.00	52.19 AV	54.00	-1.81	1.28 V	353	13.76	38.43

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 39	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	FSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	TEST MODE	A
TESTED BY	Kevin Liang		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2443.00	93.25 PK	114.00	-20.75	1.10 H	357	60.82	32.43
2	*2443.00	92.98 AV	94.00	-1.02	1.10 H	357	60.55	32.43
3	4886.00	52.40 PK	74.00	-21.60	4.00 H	292	13.66	38.74
4	4886.00	45.88 AV	54.00	-8.12	4.00 H	292	7.14	38.74
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2443.00	86.89 PK	114.00	-27.11	1.69 V	37	54.46	32.43
2	*2443.00	86.80 AV	94.00	-7.20	1.69 V	37	54.37	32.43
3	4886.00	54.50 PK	74.00	-19.50	1.69 V	355	15.76	38.74
4	4886.00	50.57 AV	54.00	-3.43	1.69 V	355	11.83	38.74

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	FSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	TEST MODE	A
TESTED BY	Kevin Liang		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	93.53 PK	114.00	-20.47	1.06 H	0	60.96	32.57
2	*2480.00	93.06 AV	94.00	-0.94	1.06 H	0	60.49	32.57
3	2483.50	59.85 PK	74.00	-14.15	1.06 H	0	27.26	32.59
4	2483.50	52.89 AV	54.00	-1.11	1.06 H	0	20.30	32.59
5	4960.00	51.63 PK	74.00	-22.37	1.05 H	209	12.72	38.91
6	4960.00	45.13 AV	54.00	-8.87	1.05 H	209	6.22	38.91
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	87.27 PK	114.00	-22.73	1.61 V	55	54.70	32.57
2	*2480.00	86.98 AV	94.00	-7.02	1.61 V	55	54.41	32.57
3	2483.50	58.09 PK	74.00	-15.91	1.61 V	54	25.50	32.59
4	2483.50	49.18 AV	54.00	-4.82	1.61 V	54	16.59	32.59
5	4960.00	53.92 PK	74.00	-20.08	1.59 V	150	15.01	38.91
6	4960.00	48.84 AV	54.00	-5.16	1.59 V	150	9.93	38.91

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	MSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	TEST MODE	B
TESTED BY	Kevin Liang		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	53.93 PK	74.00	-20.07	1.12 H	344	21.70	32.23
2	2390.00	43.28 AV	54.00	-10.72	1.12 H	344	11.05	32.23
3	2399.99	55.78 PK	74.00	-18.22	1.12 H	350	23.51	32.27
4	2399.99	43.58 AV	54.00	-10.42	1.12 H	350	11.31	32.27
5	*2405.00	90.72 PK	114.00	-23.28	1.11 H	349	58.43	32.29
6	*2405.00	90.47 AV	94.00	-3.53	1.11 H	349	58.18	32.29
7	4810.00	52.43 PK	74.00	-21.57	1.07 H	11	14.00	38.43
8	4810.00	47.02 AV	54.00	-6.98	1.07 H	11	8.59	38.43
9	7215.00	37.96 PK	74.00	-36.04	1.10 H	15	-6.78	44.74
10	7215.00	33.47 AV	54.00	-20.53	1.10 H	15	-11.27	44.74
11	9620.00	39.88 PK	74.00	-34.12	1.00 H	7	-8.02	47.90
12	9620.00	36.16 AV	54.00	-17.84	1.00 H	7	-11.74	47.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	53.29 PK	74.00	-20.71	1.24 V	190	21.06	32.23
2	2390.00	43.28 AV	54.00	-10.72	1.24 V	190	11.05	32.23
3	2399.99	53.95 PK	74.00	-20.05	1.23 V	189	21.68	32.27
4	2399.99	43.35 AV	54.00	-10.65	1.23 V	189	11.08	32.27
5	*2405.00	83.24 PK	114.00	-30.76	1.25 V	194	50.95	32.29
6	*2405.00	82.81 AV	94.00	-11.19	1.25 V	194	50.52	32.29
7	4810.00	55.12 PK	74.00	-18.88	1.27 V	350	16.69	38.43
8	4810.00	51.55 AV	54.00	-2.45	1.27 V	350	13.12	38.43
9	7215.00	39.41 PK	74.00	-34.59	1.23 V	175	-5.33	44.74
10	7215.00	34.50 AV	54.00	-19.50	1.23 V	175	-10.24	44.74
11	9620.00	41.96 PK	74.00	-32.04	1.00 V	182	-5.94	47.90
12	9620.00	37.61 AV	54.00	-16.39	1.00 V	182	-10.29	47.90

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * " : Fundamental frequency

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 39	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	MSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	TEST MODE	B
TESTED BY	Kevin Liang		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2443.00	92.82 PK	114.00	-21.18	1.11 H	357	60.39	32.43
2	*2443.00	92.59 AV	94.00	-1.41	1.11 H	357	60.16	32.43
3	4886.00	52.00 PK	74.00	-22.00	1.06 H	15	13.26	38.74
4	4886.00	46.24 AV	54.00	-7.76	1.06 H	15	7.50	38.74
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2443.00	85.87 PK	114.00	-28.13	1.06 V	36	53.44	32.43
2	*2443.00	85.60 AV	94.00	-8.40	1.06 V	36	53.17	32.43
3	4886.00	54.85 PK	74.00	-19.15	1.39 V	172	16.11	38.74
4	4886.00	51.03 AV	54.00	-2.97	1.39 V	172	12.29	38.74

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * " : Fundamental frequency

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	MSK	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	TEST MODE	B
TESTED BY	Kevin Liang		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	93.48 PK	114.00	-20.52	1.06 H	0	60.91	32.57
2	***2480.00**	**93.30 AV**	**94.00**	**-0.70**	**1.06 H**	**0**	**60.73**	**32.57**
3	2483.50	59.30 PK	74.00	-14.70	1.06 H	0	26.71	32.59
4	2483.50	52.87 AV	54.00	-1.13	1.06 H	0	20.28	32.59
5	4960.00	51.65 PK	74.00	-22.35	1.07 H	208	12.74	38.91
6	4960.00	44.72 AV	54.00	-9.28	1.07 H	208	5.81	38.91
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.00	86.72 PK	114.00	-27.28	1.17 V	171	54.15	32.57
2	*2480.00	86.47 AV	94.00	-7.53	1.17 V	171	53.90	32.57
3	2483.50	58.04 PK	74.00	-15.96	1.14 V	171	25.45	32.59
4	2483.50	47.84 AV	54.00	-6.16	1.14 V	171	15.25	32.59
5	4960.00	53.93 PK	74.00	-20.07	1.21 V	184	15.02	38.91
6	4960.00	48.71 AV	54.00	-5.29	1.21 V	184	9.80	38.91

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency

RADIATED WORST-CASE DATA: BELOW 1GHz

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	FSK	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	TEST MODE	A
TESTED BY	Brad Wu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	132.95	35.60 QP	43.50	-7.90	1.48 H	109	22.59	13.00
2	455.70	32.37 QP	46.00	-13.63	2.00 H	157	13.28	19.09
3	504.31	34.24 QP	46.00	-11.76	2.00 H	163	13.60	20.64
4	599.58	32.23 QP	46.00	-13.77	1.50 H	100	9.10	23.13
5	743.45	35.63 QP	46.00	-10.37	1.00 H	103	9.87	25.75
6	887.33	33.04 QP	46.00	-12.96	1.00 H	178	5.29	27.75
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	47.95	37.36 QP	40.00	-2.64	1.00 V	307	23.58	13.78
2	132.95	38.87 QP	43.50	-4.63	1.00 V	229	25.87	13.00
3	500.42	33.41 QP	46.00	-12.59	1.00 V	238	12.87	20.54
4	531.53	32.42 QP	46.00	-13.58	1.00 V	241	11.08	21.34
5	858.17	34.39 QP	46.00	-11.61	1.00 V	292	7.11	27.28
6	933.99	34.12 QP	46.00	-11.88	2.00 V	100	5.78	28.34

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	MSK	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 63%RH, 1016hPa	TEST MODE	B
TESTED BY	Brad Wu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	111.56	38.24 QP	43.50	-5.26	1.50 H	259	26.92	11.32
2	199.05	38.49 QP	43.50	-5.01	1.50 H	262	27.09	11.40
3	504.31	34.98 QP	46.00	-11.02	1.50 H	175	14.34	20.64
4	599.58	35.30 QP	46.00	-10.70	1.50 H	52	12.16	23.13
5	743.45	36.03 QP	46.00	-9.97	1.00 H	103	10.27	25.75
6	864.00	33.81 QP	46.00	-12.19	1.00 H	10	6.44	27.38
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	47.90	36.79 QP	40.00	-3.21	1.00 V	10	23.02	13.77
2	132.95	39.35 QP	43.50	-4.15	1.50 V	313	26.35	13.00
3	498.47	34.88 QP	46.00	-11.12	1.00 V	220	14.41	20.48
4	595.69	31.70 QP	46.00	-14.30	1.50 V	247	8.67	23.03
5	665.68	33.83 QP	46.00	-12.17	1.00 V	214	9.26	24.57
6	832.89	35.84 QP	46.00	-10.16	1.00 V	277	8.94	26.91

REMARKS: 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)

2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 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.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Dec. 08, 2007
RF signal cable Woken	5D-FB	Cable-HYCO3-01	Jan. 06, 2008
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Jan. 08, 2008
LISN ROHDE & SCHWARZ	ESH3-Z5	100311	Jan. 16, 2008
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 2.
3. The VCCI Site Registration No. is C-2047.

4.2.3 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.

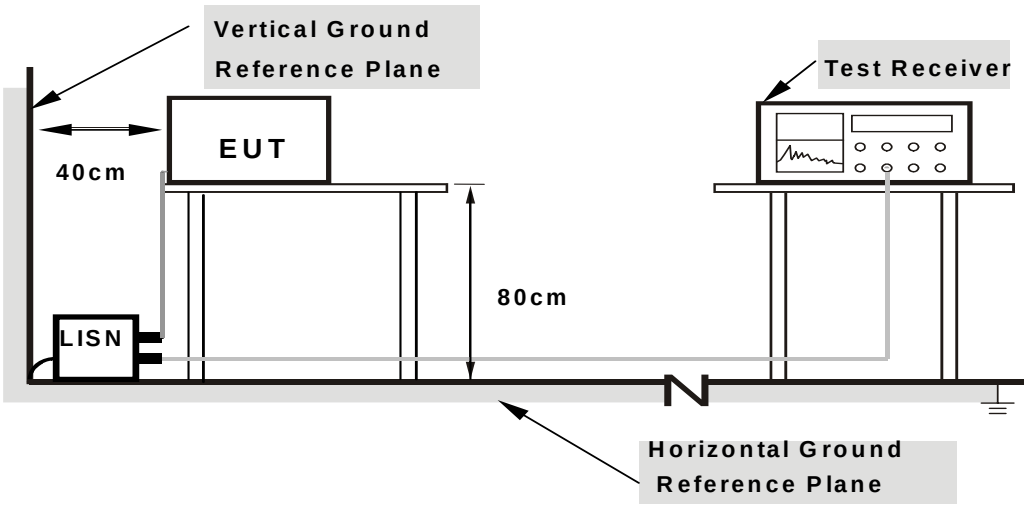
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 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).

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6

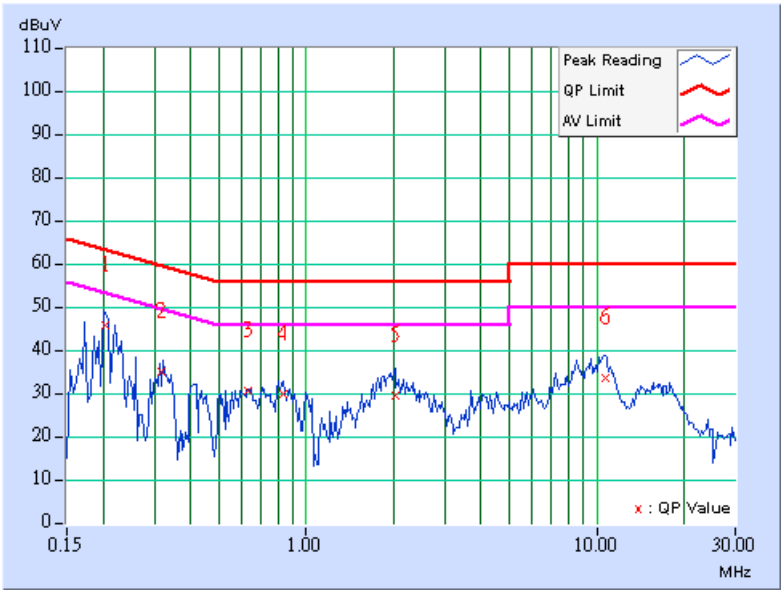
4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	PHASE	Line 1
MODULATION TYPE	FSK	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 981hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TEST MODE	A	TESTED BY	Mitch Tsui

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.205**	**0.10**	**45.63**	**-**	**45.73**	**-**	**63.42**	**53.42**	**-17.69**	**-**
2	0.317	0.10	34.83	-	34.93	-	59.79	49.79	-24.86	-
3	0.634	0.10	30.39	-	30.49	-	56.00	46.00	-25.51	-
4	0.838	0.11	29.80	-	29.91	-	56.00	46.00	-26.09	-
5	2.023	0.22	29.17	-	29.39	-	56.00	46.00	-26.61	-
6	10.664	0.35	33.52	-	33.87	-	60.00	50.00	-26.13	-

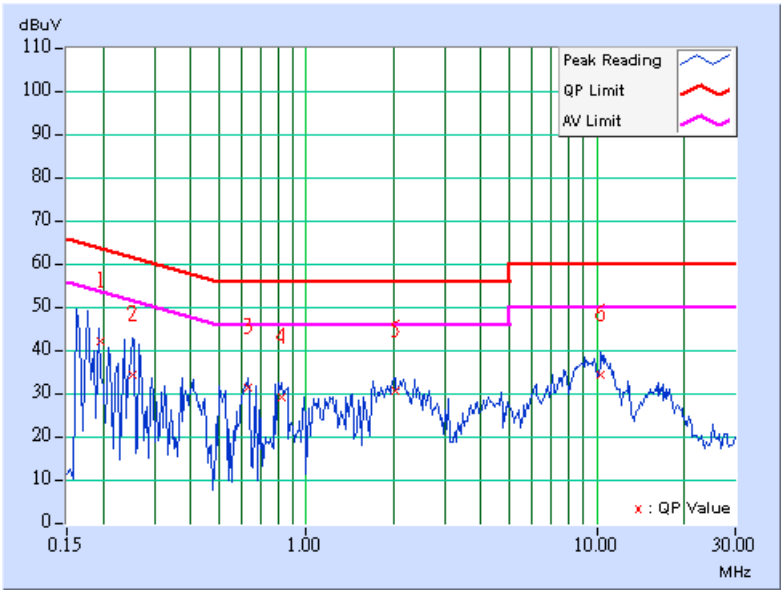
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	PHASE	Line 2
MODULATION TYPE	FSK	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 981hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TEST MODE	A	TESTED BY	Mitch Tsui

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.196	0.10	41.74	-	41.84	-	63.76	53.76	-21.92	-
2	0.252	0.10	34.02	-	34.12	-	61.71	51.71	-27.59	-
3	0.634	0.14	31.04	-	31.18	-	56.00	46.00	-24.82	-
4	0.826	0.18	28.87	-	29.05	-	56.00	46.00	-26.95	-
5	2.020	0.22	30.20	-	30.42	-	56.00	46.00	-25.58	-
6	10.359	0.43	34.12	-	34.55	-	60.00	50.00	-25.45	-

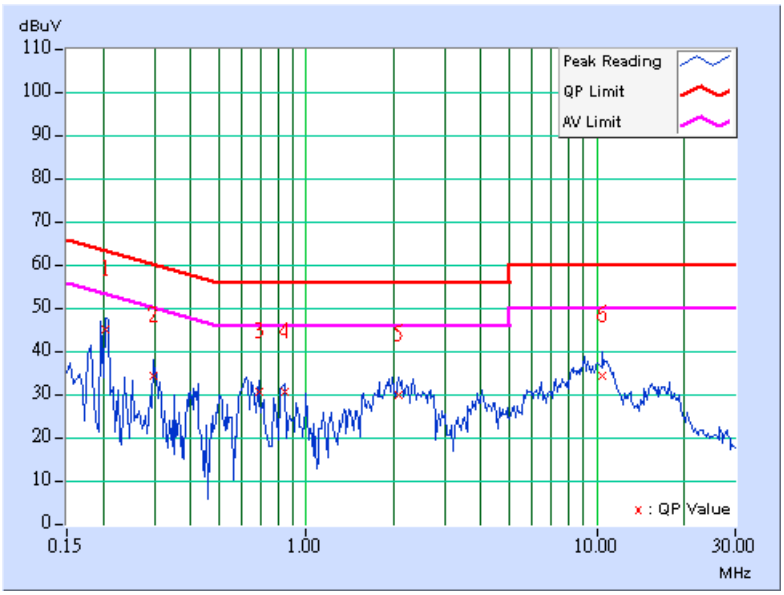
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	PHASE	Line 1
MODULATION TYPE	MSK	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 981hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TEST MODE	B	TESTED BY	Mitch Tsui

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.205	0.10	44.66	-	44.76	-	63.42	53.42	-18.66	-
2	0.298	0.10	34.04	-	34.14	-	60.29	50.29	-26.15	-
3	0.685	0.10	30.49	-	30.59	-	56.00	46.00	-25.41	-
4	0.841	0.11	30.32	-	30.43	-	56.00	46.00	-25.57	-
5	2.086	0.22	29.67	-	29.89	-	56.00	46.00	-26.11	-
6	10.496	0.34	34.27	-	34.61	-	60.00	50.00	-25.39	-

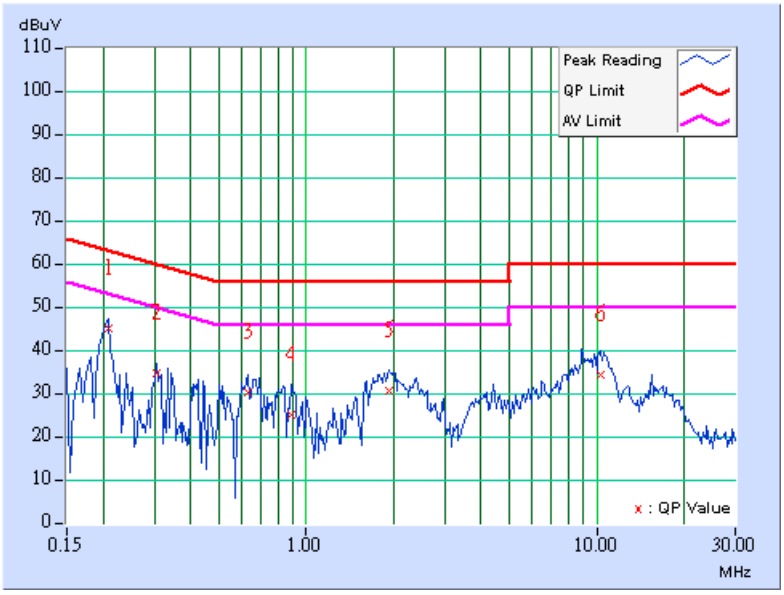
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 76	PHASE	Line 2
MODULATION TYPE	MSK	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 981hPa	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TEST MODE	B	TESTED BY	Mitch Tsui

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.209	0.10	44.70	-	44.80	-	63.26	53.26	-18.46	-
2	0.306	0.10	34.28	-	34.38	-	60.07	50.07	-25.69	-
3	0.634	0.14	30.07	-	30.21	-	56.00	46.00	-25.79	-
4	0.892	0.19	24.64	-	24.83	-	56.00	46.00	-31.17	-
5	1.926	0.22	30.36	-	30.58	-	56.00	46.00	-25.42	-
6	10.309	0.43	34.12	-	34.55	-	60.00	50.00	-25.45	-

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.



4.3 BAND EDGES MEASUREMENT

4.3.1 LIMITS OF BAND EDGES MEASUREMENT

Below –50dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.3.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100040	Jun. 28, 2008

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

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz and 100 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.
The spectrum plots are attached on the following pages.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

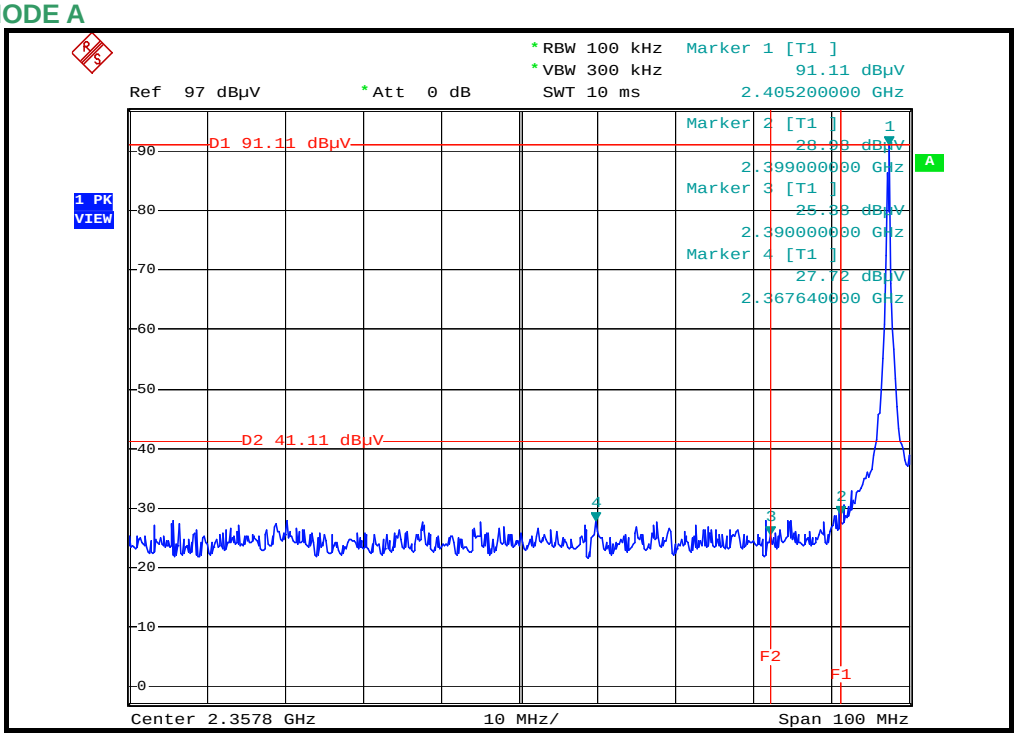
4.3.5 EUT OPERATING CONDITION

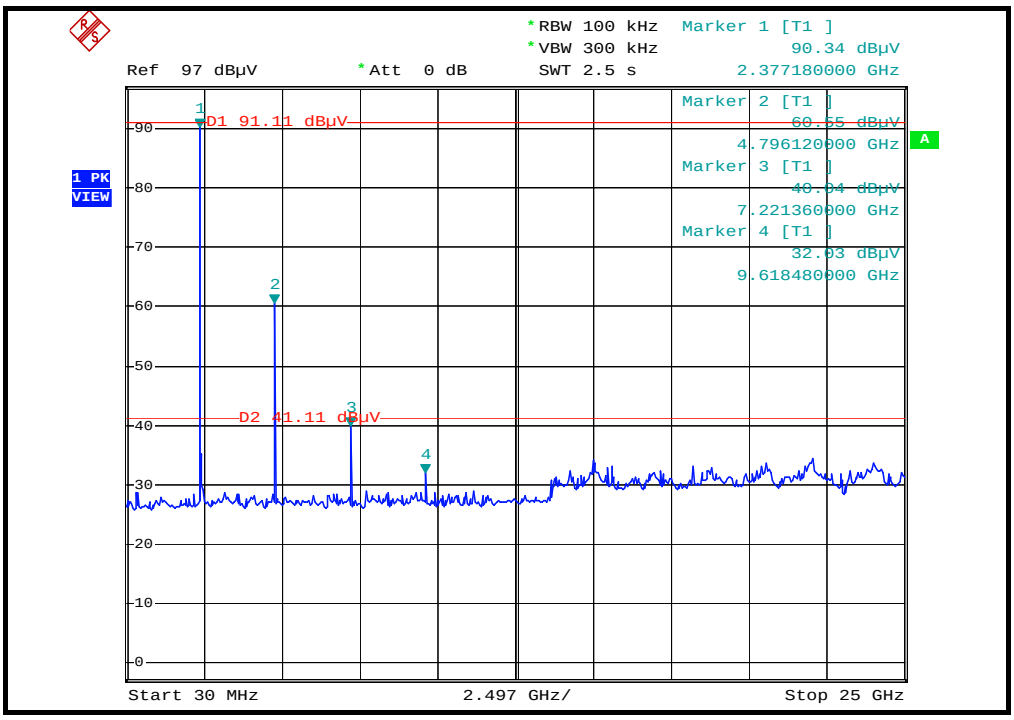
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

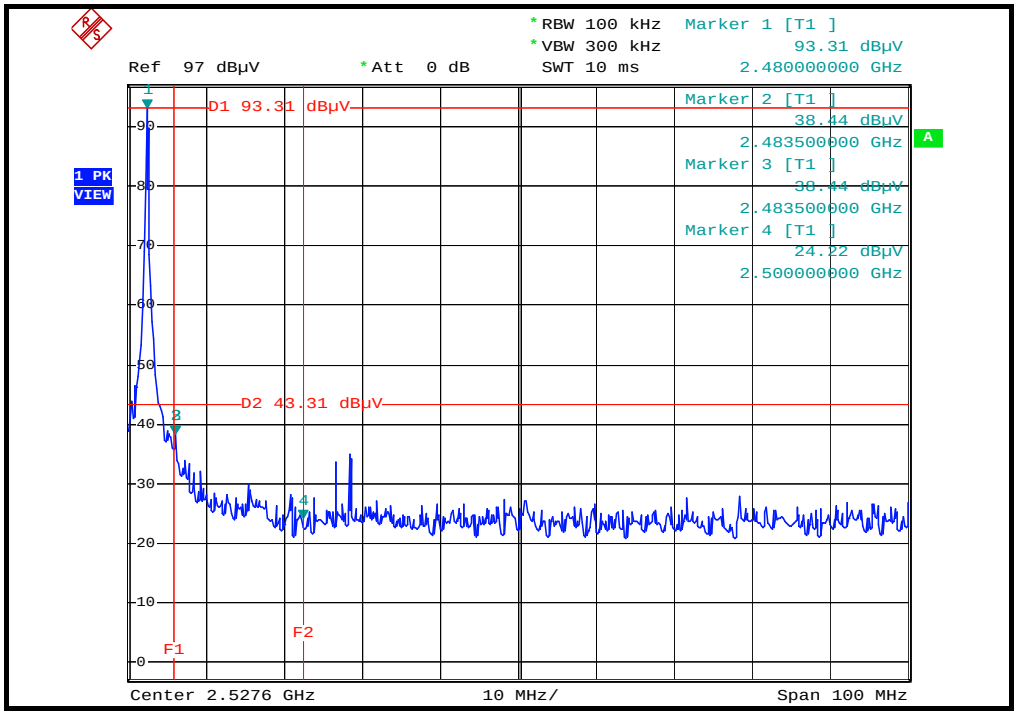
4.3.6 TEST RESULTS

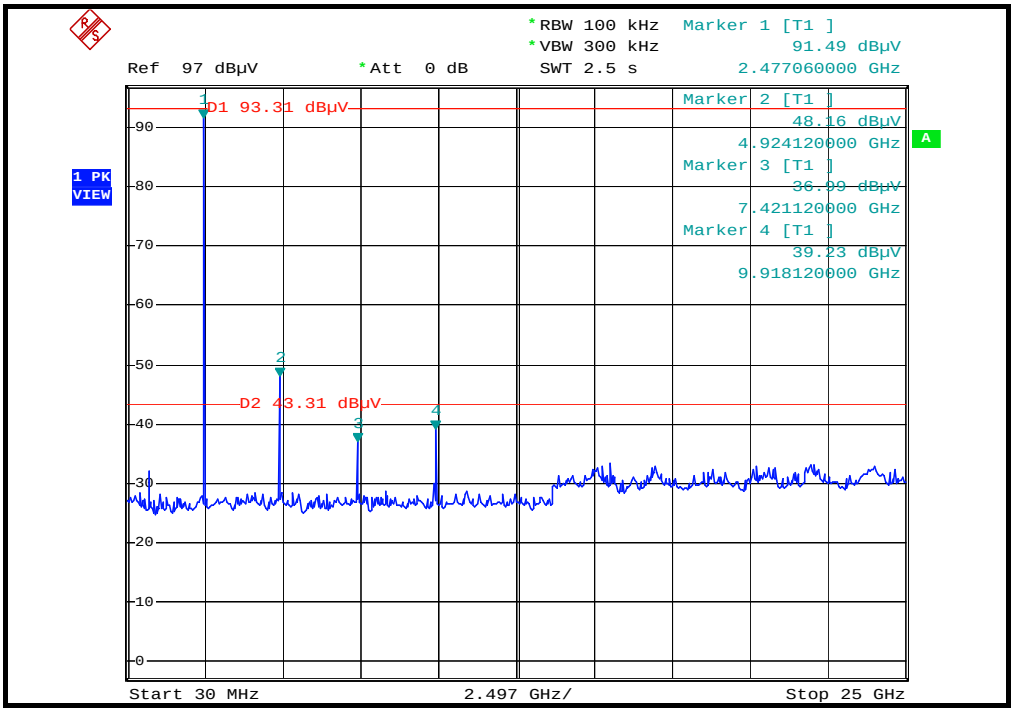
The spectrum plots are attached on the following 4 images. D1 line indicates the highest level, and D2 line indicates the 50dB offset below D1. It shows compliance with the requirement in part 15.249 (d).

TEST MODE A

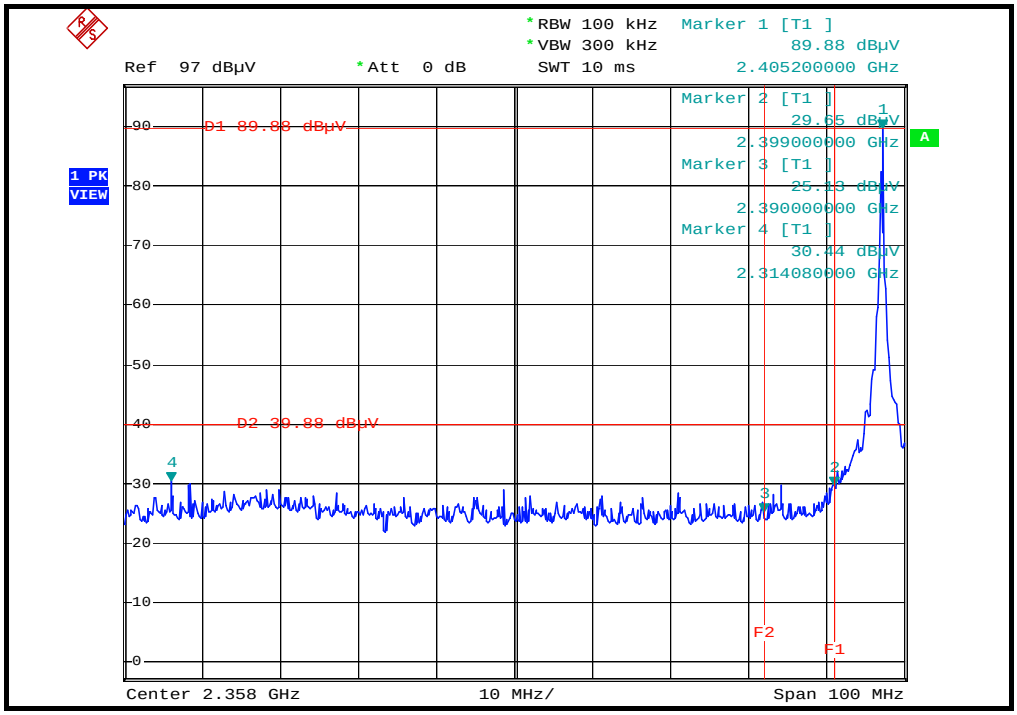


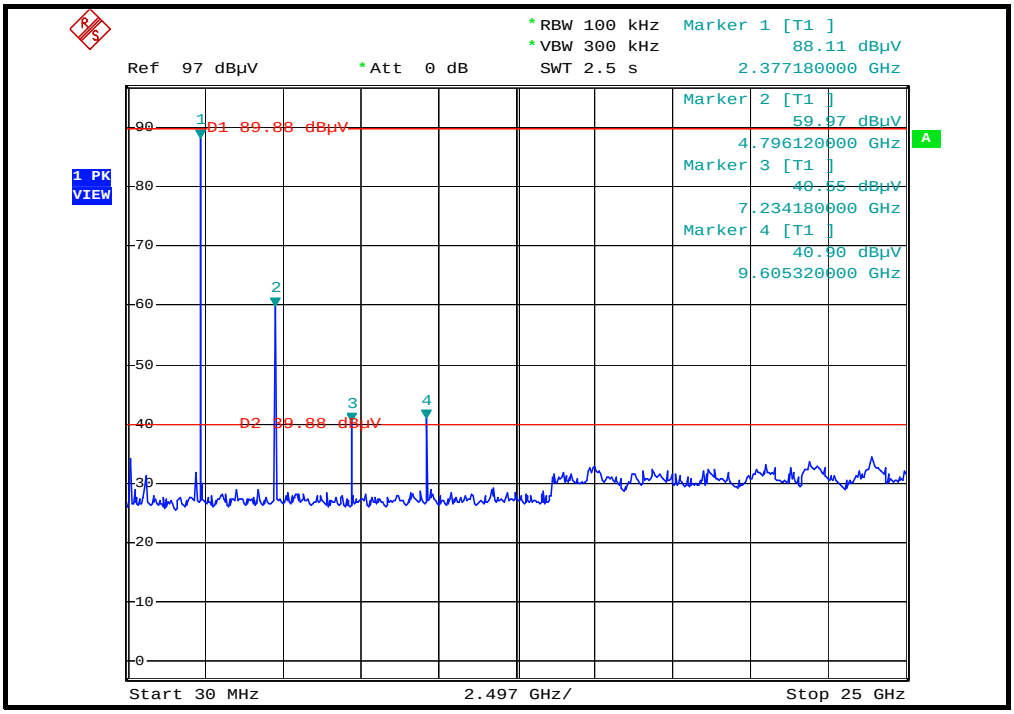


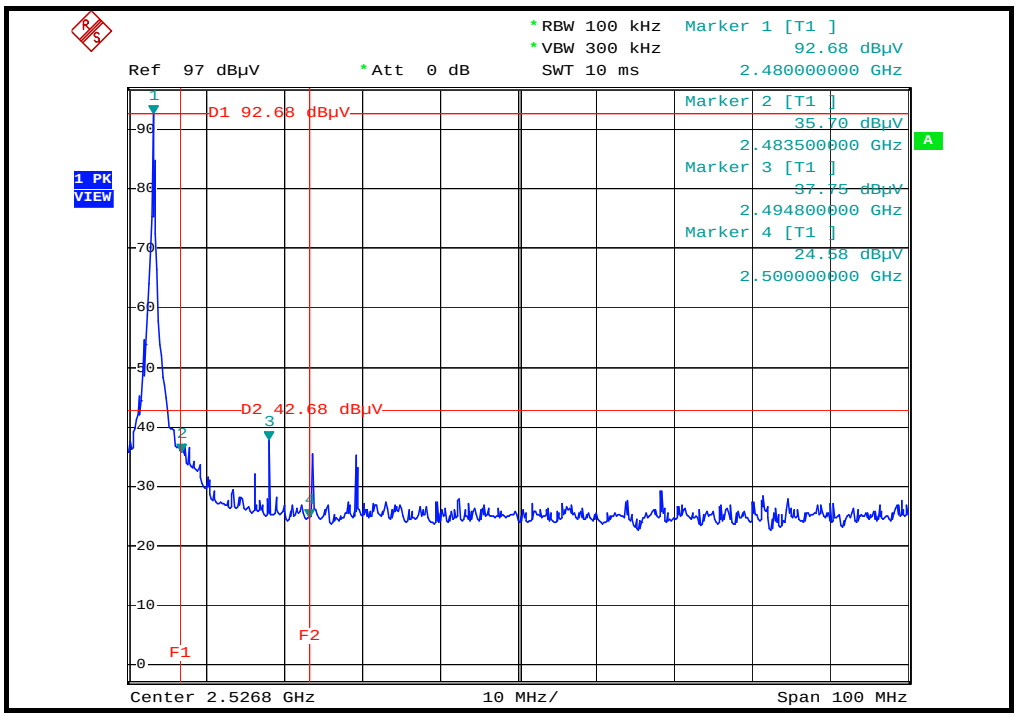

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
Marker 1 [T1]
93.31 dBµV
2.480000000 GHz
Ref 97 dBµV
Att 0 dB
D1 93.31 dBµV
D2 43.31 dBµV
Marker 2 [T1]
38.44 dBµV
2.483500000 GHz
Marker 3 [T1]
38.44 dBµV
2.483500000 GHz
Marker 4 [T1]
24.22 dBµV
2.500000000 GHz
1 PK VIEW
A
F1
F2
Center 2.5276 GHz
10 MHz/
Span 100 MHz

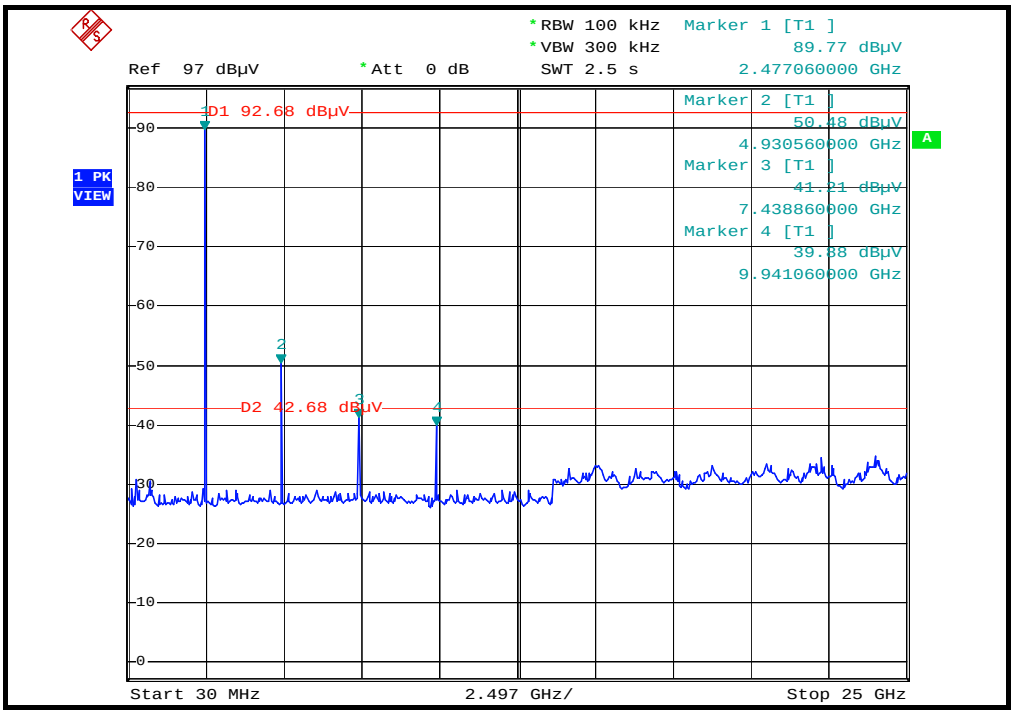

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
Marker 1 [T1]
91.49 dBµV
2.477060000 GHz
Ref 97 dBµV
Att 0 dB
D1 93.31 dBµV
D2 43.31 dBµV
Marker 2 [T1]
48.16 dBµV
4.924120000 GHz
Marker 3 [T1]
36.09 dBµV
7.421120000 GHz
Marker 4 [T1]
39.23 dBµV
9.918120000 GHz
1 PK VIEW
A
Start 30 MHz
2.497 GHz/
Stop 25 GHz

TEST MODE B


*RBW 100 kHz
*VBW 300 kHz
Ref 97 dBµV
*Att 0 dB
SWT 10 ms
Marker 1 [T1]
89.88 dBµV
2.405200000 GHz
Marker 2 [T1]
29.65 dBµV
2.399000000 GHz
Marker 3 [T1]
25.13 dBµV
2.390000000 GHz
Marker 4 [T1]
30.44 dBµV
2.314080000 GHz
D1 89.88 dBµV
D2 30.88 dBµV
1 PK VIEW
A
F2
F1
Center 2.358 GHz
10 MHz/
Span 100 MHz


*RBW 100 kHz
*VBW 300 kHz
Ref 97 dBµV
*Att 0 dB
SWT 2.5 s
Marker 1 [T1]
88.11 dBµV
2.377180000 GHz
Marker 2 [T1]
59.97 dBµV
4.796120000 GHz
Marker 3 [T1]
40.55 dBµV
7.234180000 GHz
Marker 4 [T1]
40.90 dBµV
9.605320000 GHz
D1 89.88 dBµV
D2 30.88 dBµV
1 PK VIEW
A
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
Marker 1 [T1]
92.68 dBµV
2.480000000 GHz
Ref 97 dBµV
Att 0 dB
D1 92.68 dBµV
D2 42.68 dBµV
Marker 2 [T1]
35.70 dBµV
2.483500000 GHz
Marker 3 [T1]
37.75 dBµV
2.494800000 GHz
Marker 4 [T1]
24.58 dBµV
2.500000000 GHz
1 PK VIEW
A
F1
F2
Center 2.5268 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
Marker 1 [T1]
89.77 dBµV
2.477060000 GHz
Ref 97 dBµV
Att 0 dB
D1 92.68 dBµV
D2 42.68 dBµV
Marker 2 [T1]
50.48 dBµV
4.930560000 GHz
Marker 3 [T1]
41.21 dBµV
7.438860000 GHz
Marker 4 [T1]
39.88 dBµV
9.941060000 GHz
1 PK VIEW
A
Start 30 MHz
2.497 GHz/
Stop 25 GHz

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.	TAF, BSMI, NCC
Netherlands	Telefication
Singapore	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

7. 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.