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Dates of Tests: January 02~11, 2007

Test Report S/N: LR500190701C

Test Site : LTA CO., LTD.

CLASS II PERMISSIVE CHANGE

FCC ID. / IC

A3LYPT9 / 649E-YPT9

APPLICANT

Samsung Electronics Co., Ltd.

FCC Classification	:	FHSS Sequence Spread Spectrum (FHSS)
Manufacturing Description	:	Digital Audio Player
Manufacturer	:	Samsung Electronics Huizhou Co., Ltd.
Model name	:	YP-T9H, YP-T9B, YP-T9
Test Device Serial No.:	:	031200311310524
Rule Part(s)	:	FCC Part 15.247 Subpart C; ANSI C-63.4-2003 RSS-210, Issue 5: 2001/A1:2002/A2:2003
Frequency Range	:	2402 ~ 2480MHz
RF power Class	:	2 (-6dBm ~ +4dBm)
Data of issue	:	January 16, 2007

This test report is issued under the authority of:

The test was supervised by:

Dong-Min JUNG, Technical Manager

Kyung-Taek LEE, Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory. This report must not be used by the applicant to claim product endorsement by any agency.



NVLAP LAB Code.: 200723-0

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1. General information's

1-1 Test Performed

Company name : LTA Co., Ltd.
 Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 449-822
 Web site : <http://www.ltalab.com>
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Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
NVLAP	U.S.A	200723-0	2007-09-30	ECT accredited Lab.
RRL	KOREA	KR0049	2007-07-13	EMC accredited Lab.
FCC	U.S.A	610755	2008-03-28	FCC filing
VCCI	JAPAN	R2133, C2307	2008-06-22	VCCI registration
IC	CANADA	IC5799	2008-04-23	IC filing

2. Information's about test item

2-1 Client

Company name : Samsung Electronics Co., Ltd.
 Address : 416, maetan-3Dong, Yeongtong-Gu, Suwon-City,
 Gyeonggi-Do, Korea 443-742
 Tel / Fax : +82-31-277-6778/ +82-31-277-4008

2-2 Manufacturer

Company name : Samsung Electronics Huizhou Co., Ltd.
 Address : 516229, Chen Jiang town, Huizhou City, Guangdong Province, China

2-3 Equipment Under Test (EUT)

Trade name : Digital Audio Player
 FCC ID : A3LYPT9
 IC : 649E-YPT9
 Model name : YP-T9H, YP-T9B, YP-T9
 -> The model 'YP-T9H' and the model 'YP-T9B' are the same exclude for model name.
 -> The model 'YP-T9' is not Bluetooth function. The other is all the same.
 Serial number : 031200311310524
 Flash memory : 1GByte / 2GByte / 4GByte / 8GByte
 Date of receipt : December 29, 2006
 EUT condition : Pre-production, not damaged
 Antenna type : Chip antenna Gain 0dBi
 Frequency Range : 2402 ~ 2480MHz
 RF output power Range : -6dBm~+4dBm (Class 2)
 Number of channels : 79
 Channel spacing : 1MHz
 Channel Access Protocol : Frequency Hopping
 Type of Modulation : GFSK
 Power Source : 3.7V (Li-Polymer Rechargeable) (Recharging – by USB Cable)

2-4 Tested frequency

	LOW	MID	HIGH
Frequency (MHz)	2402	2441	2480

2-4-1 Ancillary Equipment – Bluetooth + Play mode

Equipment	Model No.	Serial No.	Manufacturer
-	-	-	-
-	-	-	-

2-4-2 Ancillary Equipment – USB mode

Equipment	Model No.	Serial No.	Manufacturer
PC	Dimension TM 3000	8D2SF1S	DELL
Monitor	HSG1023	E060T120T	HANNSTAR
Keyboard	SK-8110	1030	DELL
Mouse	MO56UO	510022473	DELL
Print	Deskjet 600K	SG7631B1XX	HP
earphone	N/A	N/A	N/A
-	-	-	-

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	RSS-210 Section	Parameter	Limit	Test Condition	Status (note 1)
15.247(a)	6.2.2(o)(a1)	Carrier Frequency Separation	> 25 kHz	Conducted	C
15.247(a)	6.2.2(o)(a3)	Number of Hopping Frequencies	> 75 hops		C
15.247(a)	6.2.2(o)(a3)	20 dB Bandwidth	< 1 MHz		C
15.247	6.2.2(o)(a3)	Dwell Time	< 0.4 seconds		C
15.247(b)	6.2.2(o)(a3) 6.2.2(o)(b)	Transmitter Output Power	< 1Watt		C
15.247(d)	6.2.2(o)(e1)	Conducted Spurious emission	> 20 dBc		C
15.247(d)	6.2.2(o)(e1)	Band Edge	> 20 dBc		C
15.249 / 15.209	6.2.2(o)(e1)	Field Strength of Harmonics	< 54 dBuV (at 3m)	Radiated	C
15.109		Field Strength		Radiated	C
15.207 /15.107		AC Conducted Emissions	EN 55022	Line Conducted	C

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

Note 2: The data in this test report are traceable to the national or international standards.

The sample was tested according to the following specification:

FCC Parts 15.247; ANSI C-63.4-2003

RSS-210, Issue 5:2001

3.2 Transmitter requirements

3.2.1 Carrier Frequency Separation

Procedure:

The carrier frequency separation was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

After the trace being stable, the reading value between the peaks of the adjacent channels using the marker-delta function was recorded as the measurement results.

The spectrum analyzer is set to:

Span = 3 MHz (wide enough to capture the peaks of two adjacent channels)

RBW = 30 kHz (1% of the span or more) Sweep = auto

VBW = 30 kHz Detector function = peak

Trace = max hold

Measurement Data:

Test Results	
Carrier Frequency Separation (MHz)	Result
0.990	Complies

- See next pages for actual measured spectrum plots.

Minimum Standard:

The EUT shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater.

Measurement Setup

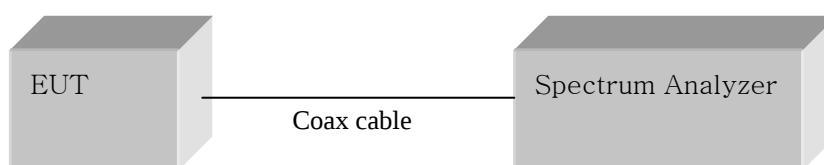
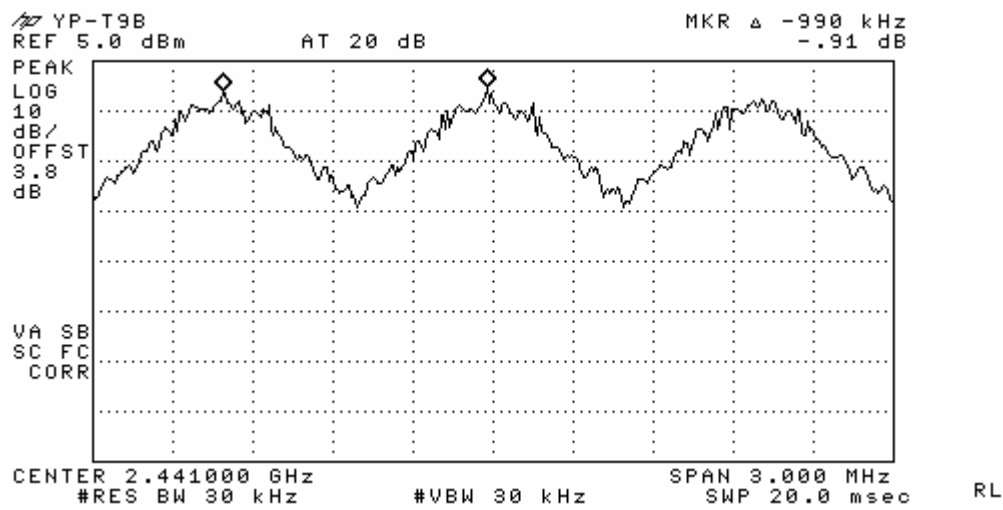


Figure 1: Measurement setup for the carrier frequency separation

Carrier Frequency Separation



3.2.2 Number of Hopping Frequencies

Procedure:

The number of hopping frequencies was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

To get higher resolution, four frequency ranges within the 2400 ~ 2483.5 MHz FH band were examined.

The spectrum analyzer is set to:

Frequency range 1: Start = 2389.5MHz, Stop = 2414.5 MHz

2: Start = 2414.5MHz, Stop = 2439.5 MHz

3: Start = 2439.5MHz, Stop = 2464.5 MHz

4: Start = 2464.5MHz, Stop = 2489.5 MHz

RBW = 300 kHz (1% of the span or more) Sweep = auto

VBW = 300 kHz (VBW $\geq$ RBW) Detector function = peak

Trace = max hold Span = 25MHz

Measurement Data: Complies

Total number of Hopping Channels	79
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- See next pages for actual measured spectrum plots.

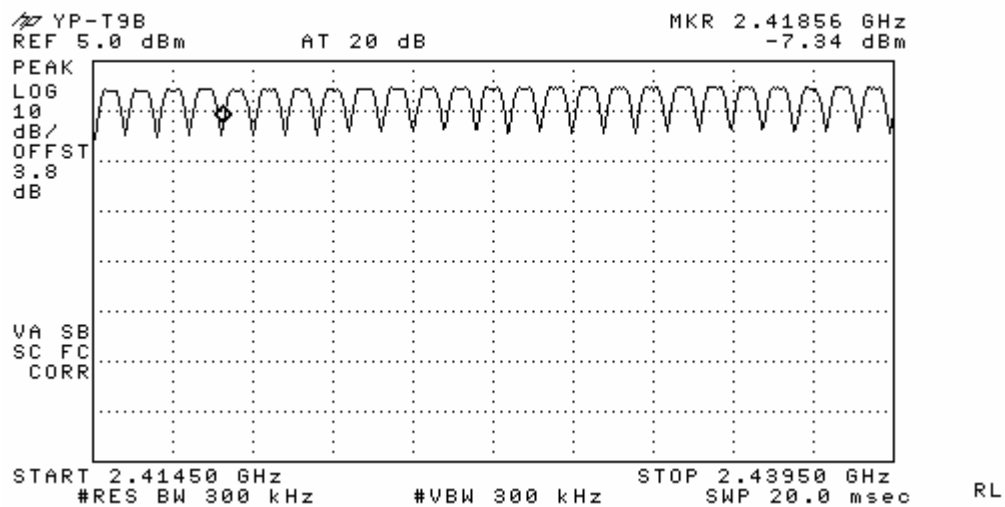
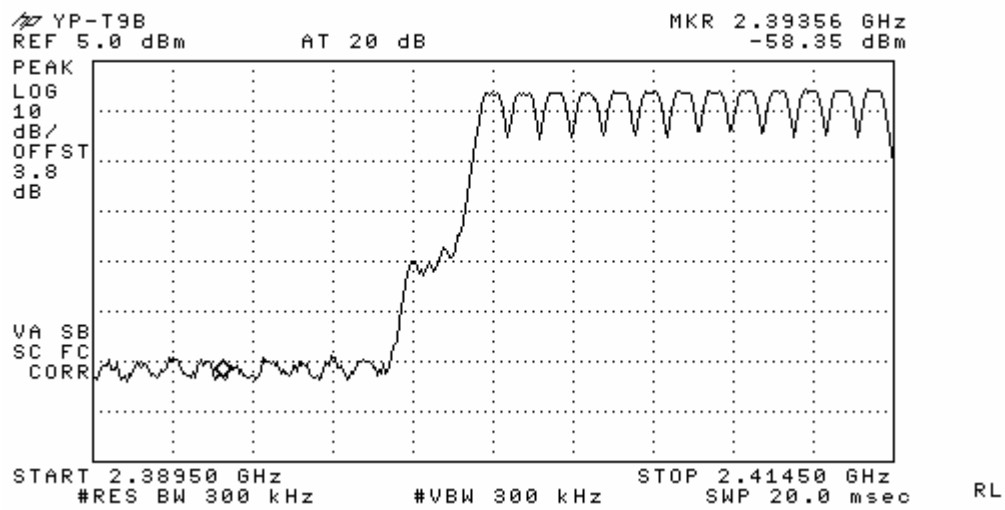
Minimum Standard:

At least 15 hops

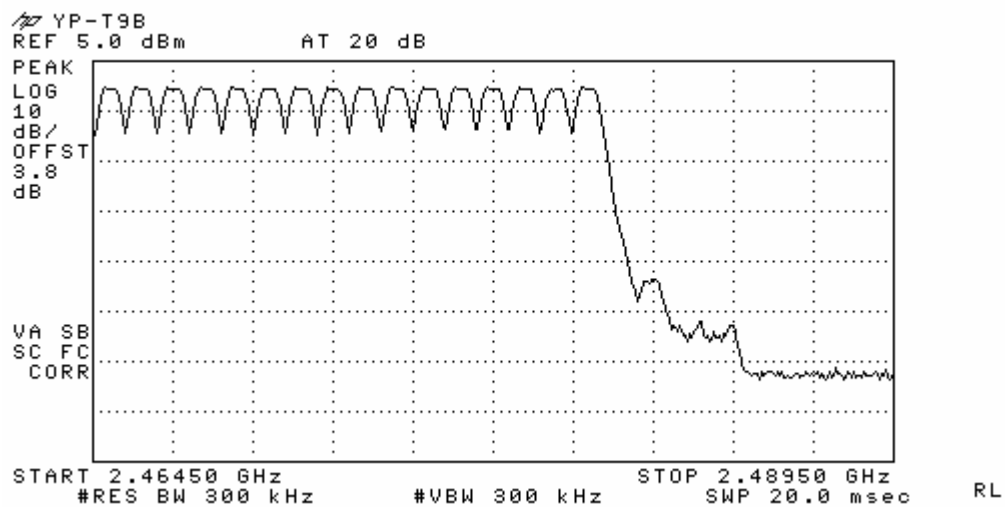
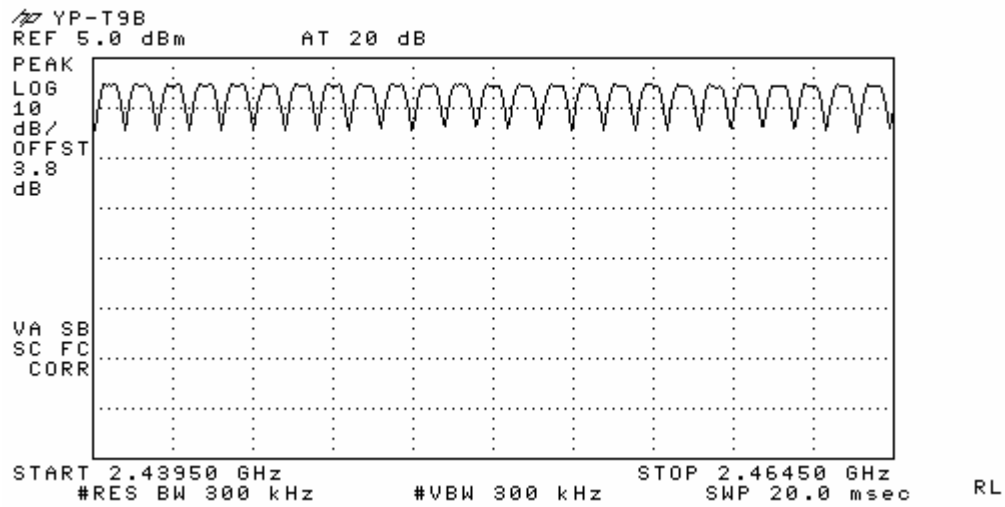
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

Number of Hopping Frequencies



Number of Hopping Frequencies



3.2.3 20 dB Bandwidth

Procedure:

The bandwidth at 20 dB below the highest inband spectral density was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

Span = 2 MHz (approximately 2 or 3 times of the 20 dB bandwidth)

RBW = 30 kHz

Sweep = auto

VBW = 30 kHz (VBW $\geq$ RBW)

Detector function = peak

Trace = max hold

Measurement Data:

Frequency (MHz)	Channel No.	Test Results	
		Measured Bandwidth (MHz)	Result
2402	0	0.955	Complies
2441	39	0.945	
2480	78	0.945	

- See next pages for actual measured spectrum plots.

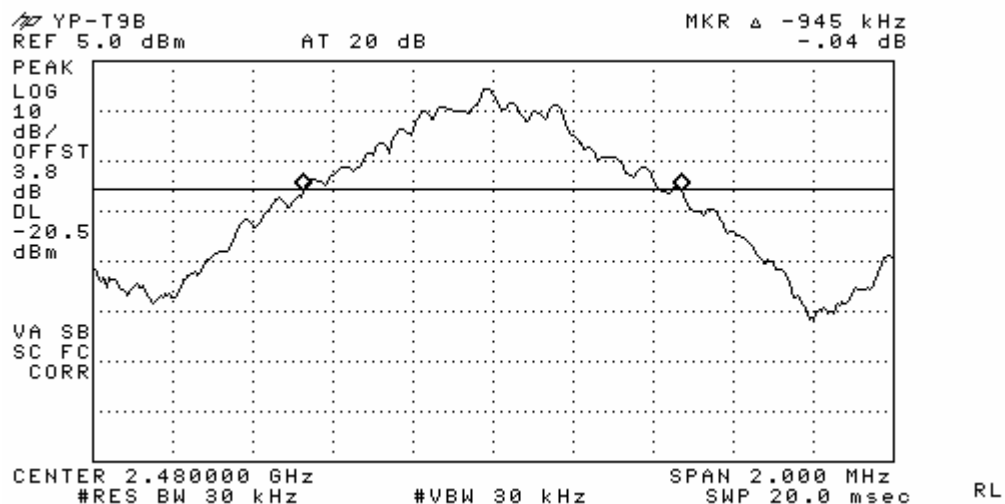
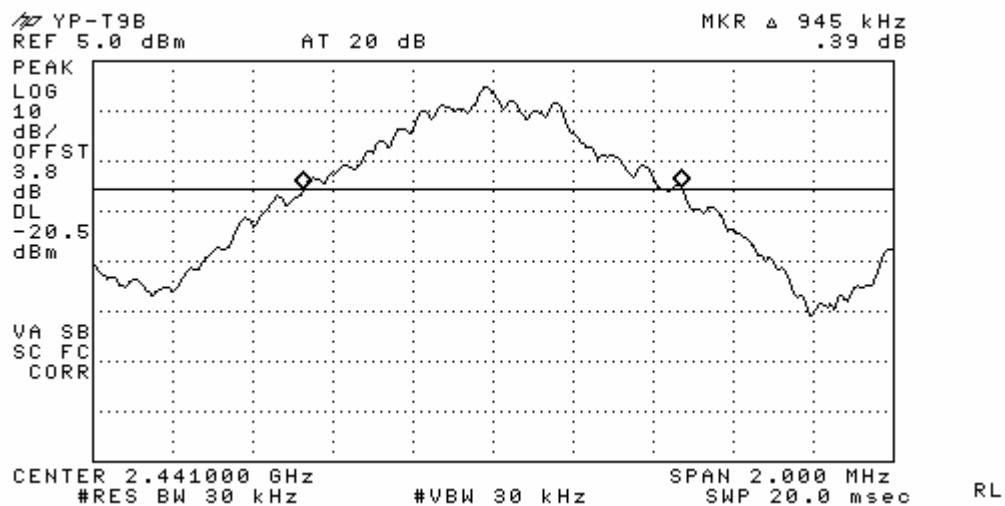
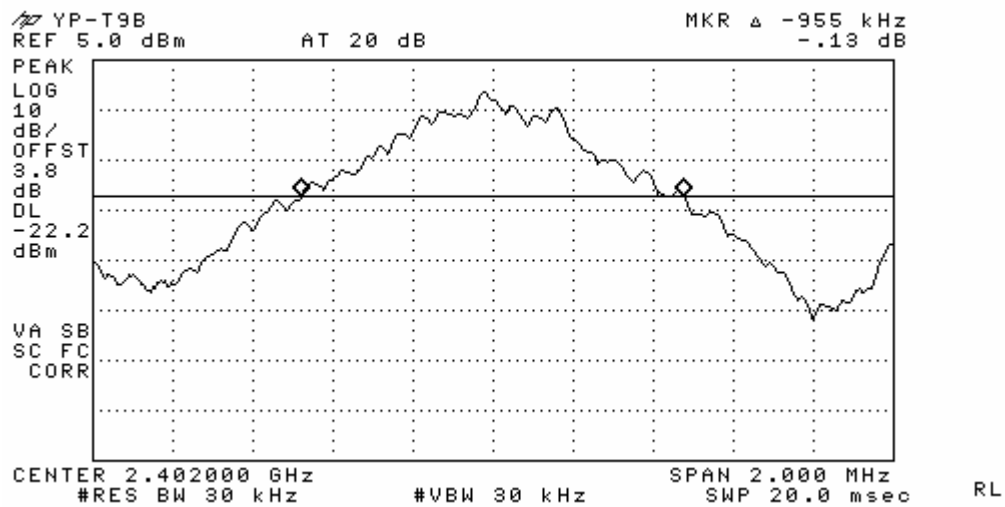
Minimum Standard:

The transmitter shall have a maximum 20dB bandwidth of 1 MHz.

Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

20 dB Bandwidth



3.2.4 Time of Occupancy (Dwell Time)

Procedure:

The dwell time was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

The spectrum analyzer is set to:

Center frequency = 2441 MHz

Span = zero

RBW = 1 MHz

VBW = 1 MHz (VBW $\geq$ RBW)

Trace = max hold

Detector function = peak

Measurement Data:

Channel Number	Channel Frequency (MHz)	Packet Type	Test Results	
			Dwell Time (ms)	Result
39	2441	DH 1	136.05	Complies
		DH 3	269.94	Complies
		DH 5	312.81	Complies

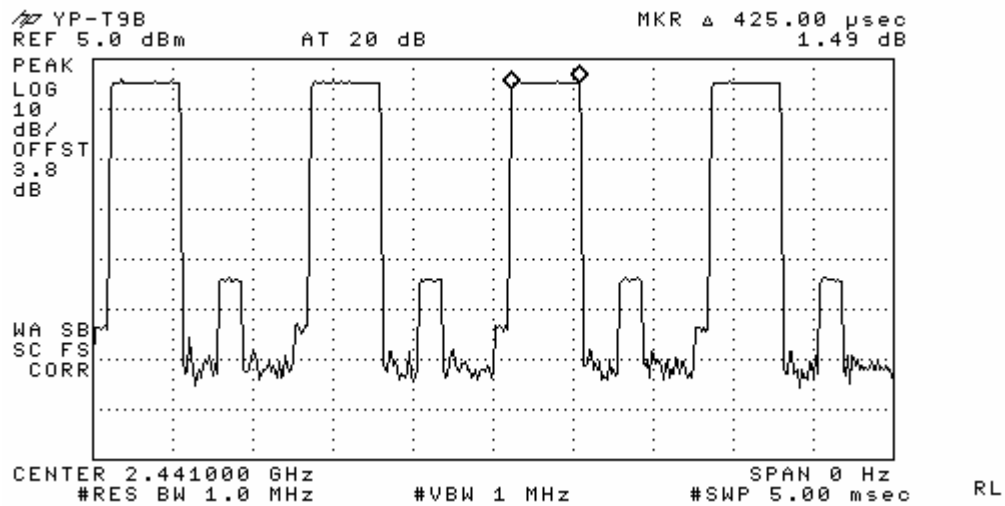
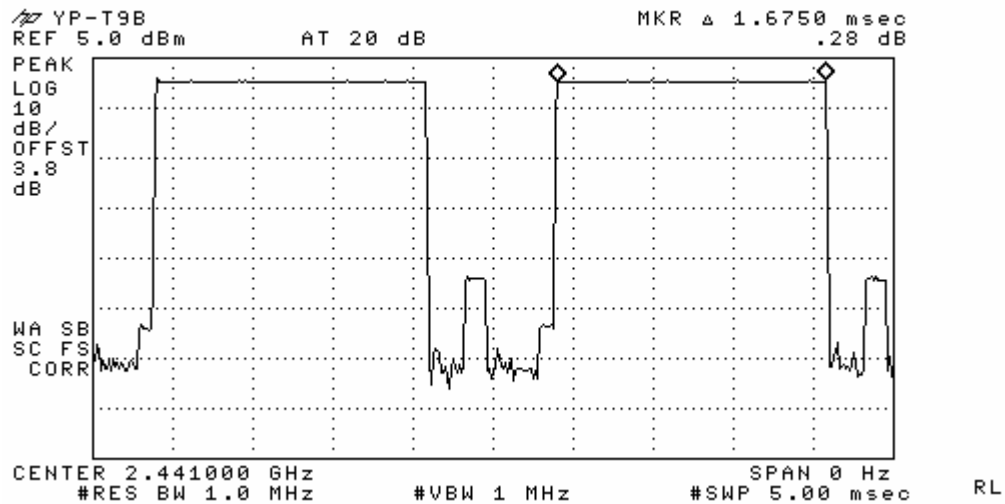
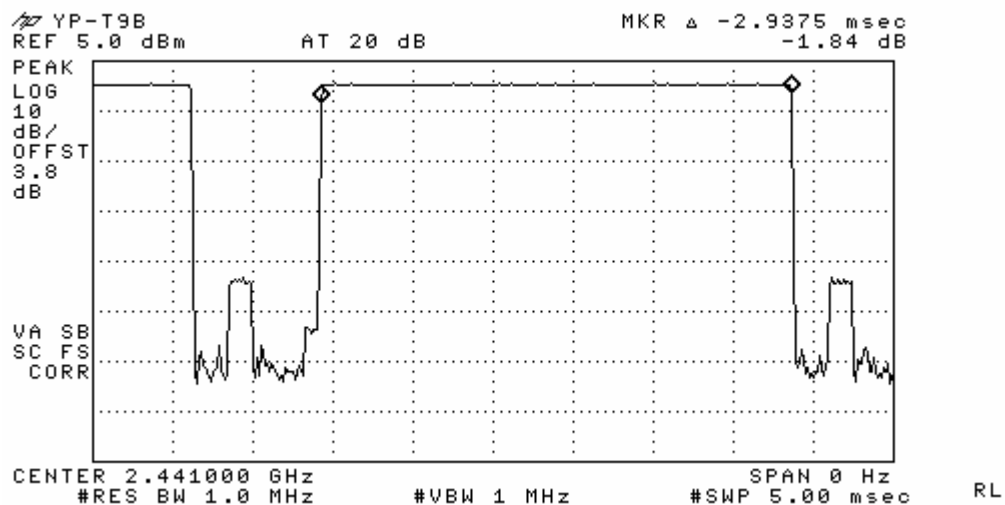
- See next pages for actual measured spectrum plots.

Minimum Standard:

0.4 seconds within a 30 second period per any frequency

Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

DH 1DH 3DH 5

3.2.5 Transmitter Output Power

Procedure:

The peak output power was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

Span = 5 MHz (approximately 5 times of the 20 dB bandwidth)

RBW = 1 MHz (greater than the 20dB bandwidth of the emission being measured)

VBW = 1 MHz (VBW $\geq$ RBW)

Detector function = peak

Trace = max hold

Sweep = auto

Measurement Data:

Frequency (MHz)	Ch.	Test Results		
		dBm	mW	Result
2402	0	-1.02	0.791	Complies
2441	39	0.18	1.042	Complies
2480	78	0.00	1.000	Complies

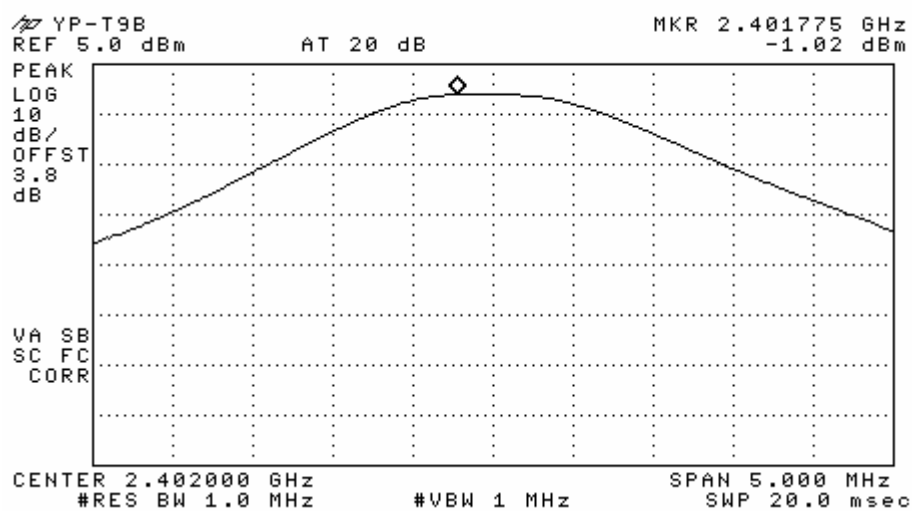
- See next pages for actual measured spectrum plots.

Minimum Standard:	< 1W
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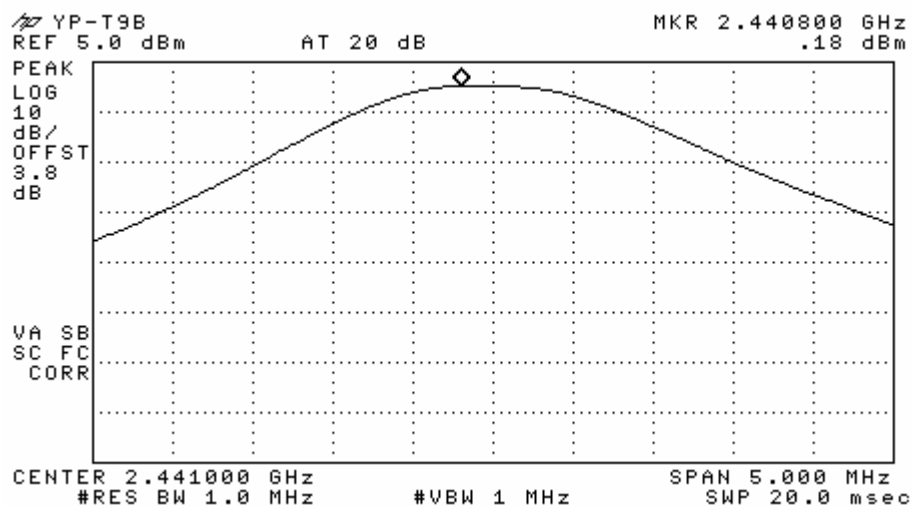
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

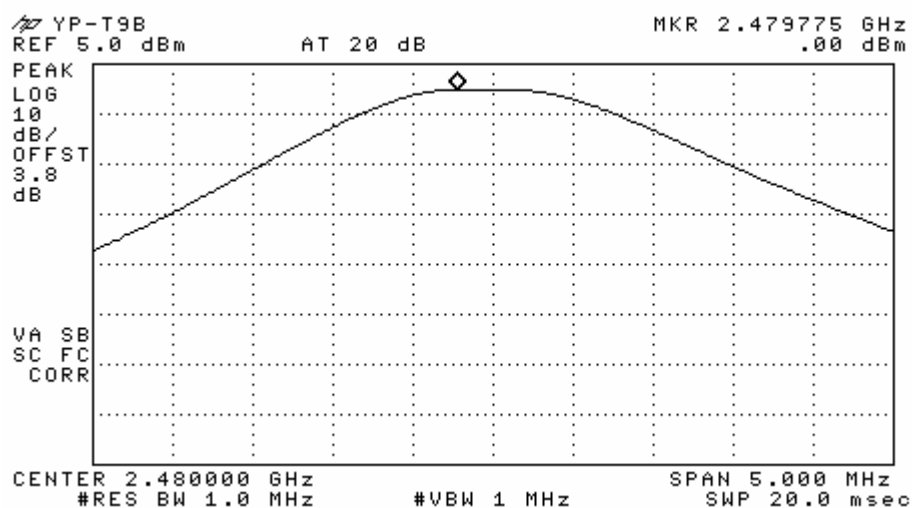
Peak Output Power



RL



RL



RL

3.2.6 Band - edge

Procedure:

The bandwidth at 20dB down from the highest inband spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels.

After the trace being stable, Use the marker-to-peak function to measure 20 dB down both sides of the intentional emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz

VBW = 100 kHz

Span = 10 MHz

Detector function = peak

Trace = max hold

Sweep = auto

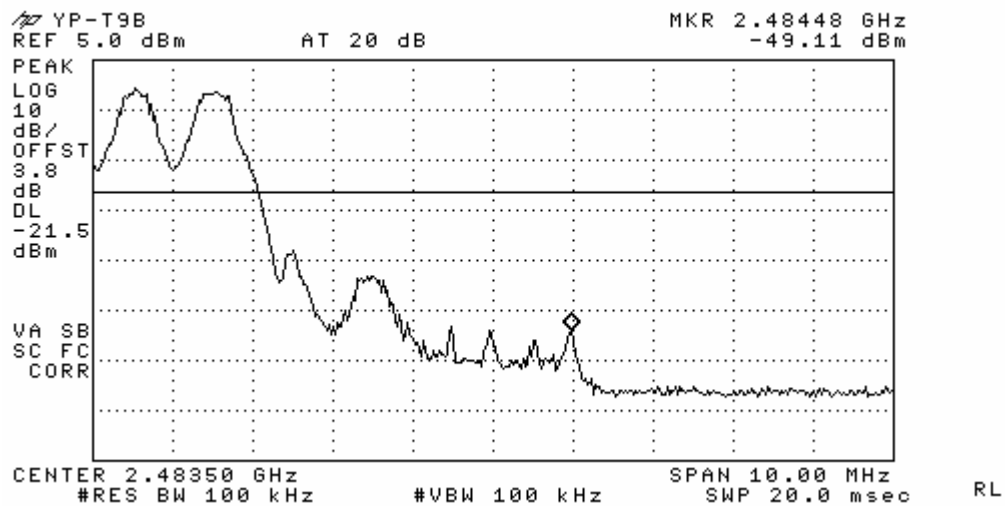
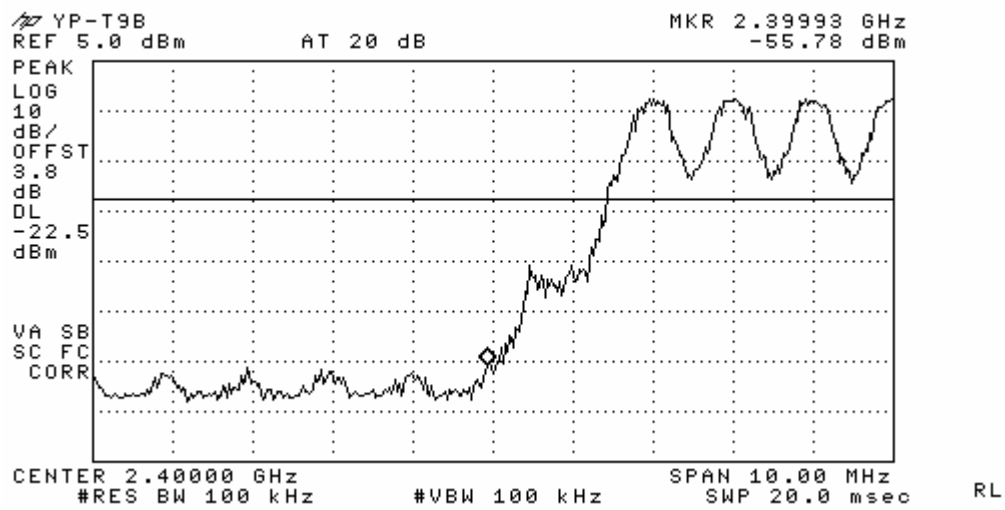
Measurement Data: Complies

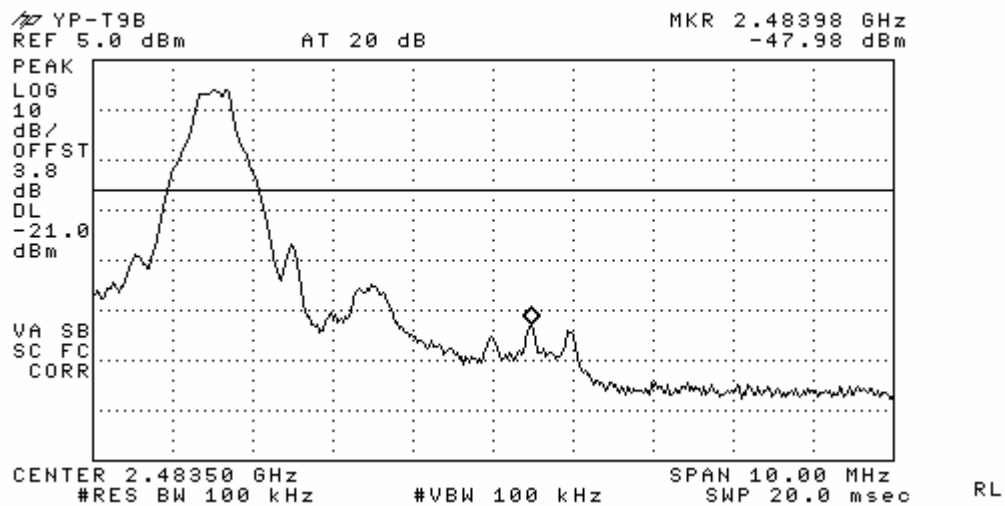
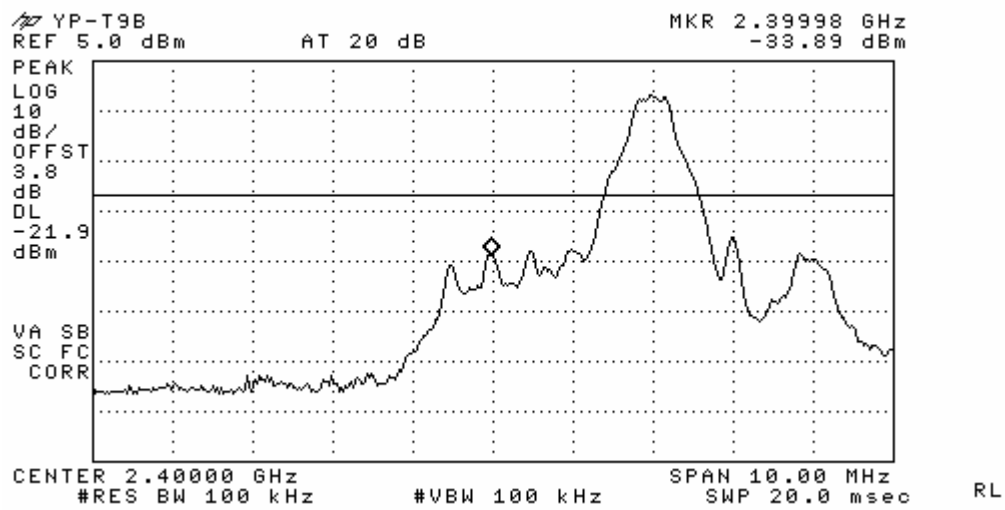
- All conducted emission in any 100kHz bandwidth outside of the spread spectrum band was at least 20dB lower than the highest inband spectral density. Therefore the applying equipment meets the requirement.
- See next pages for actual measured spectrum plots.

Minimum Standard:	> 20 dBc
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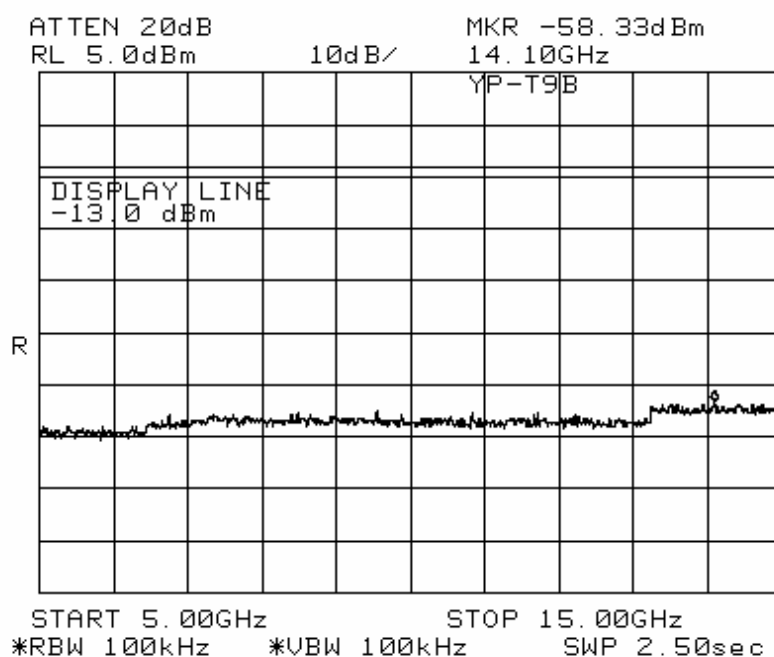
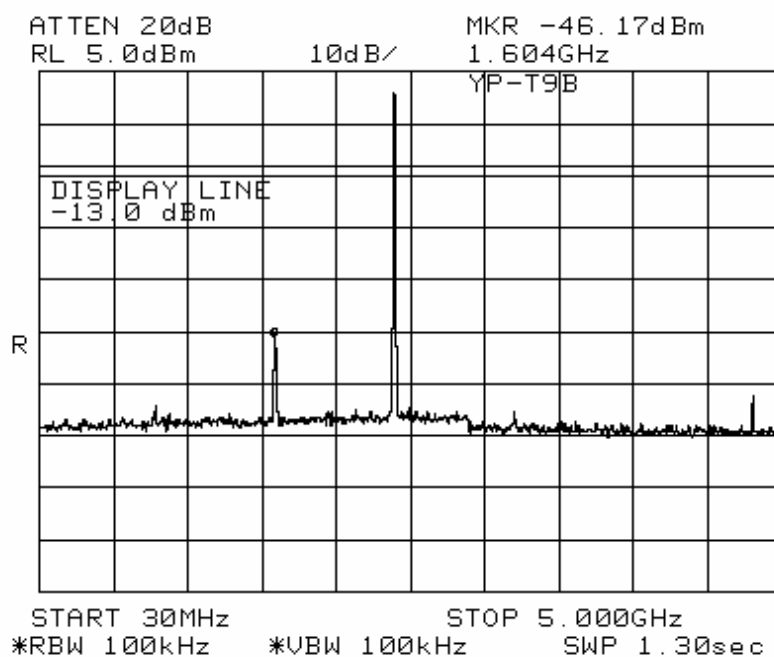
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

Band - edge (with Hopping)

Band - edge (without Hopping)

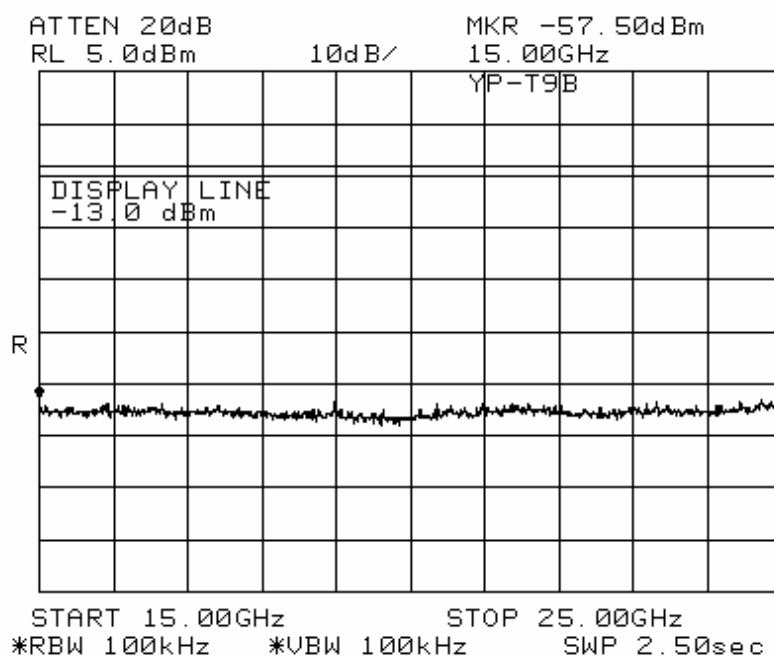
Band - edge (at 20 dB blow) – Low channel
Frequency Range = 30 MHz ~ 10th harmonic.



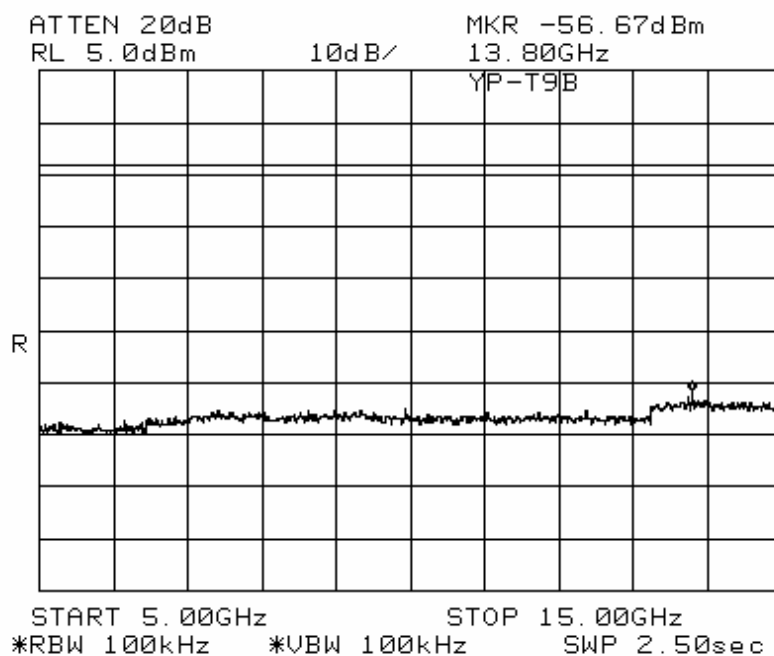
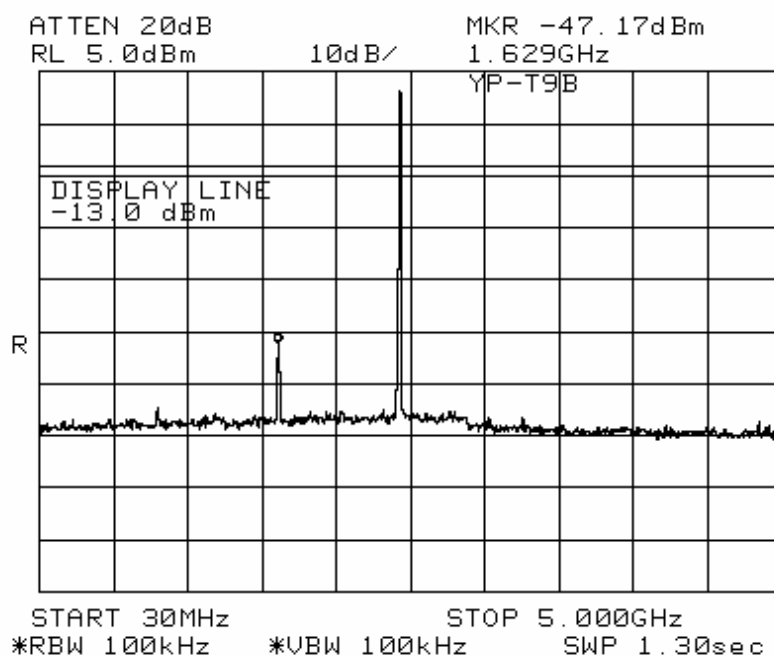
Band - edge (at 20 dB blow) – Low channel

Frequency Range = 30 MHz ~ 10th harmonics.

- Continues

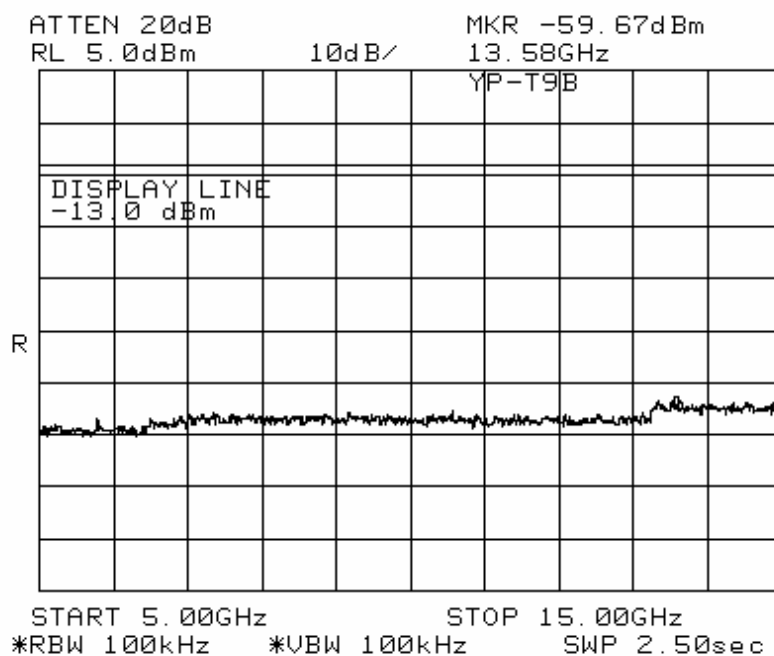
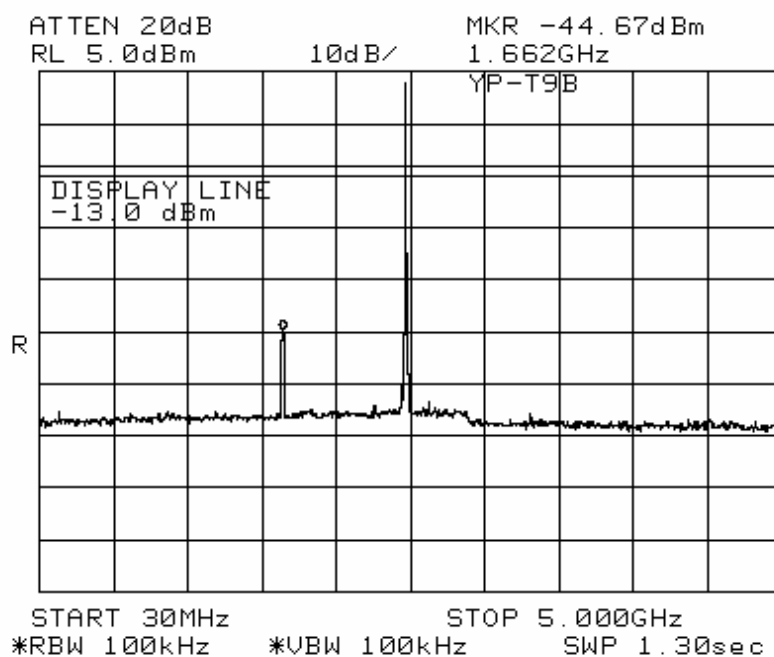


Band - edge (at 20 dB blow) – Mid channel
Frequency Range = 30 MHz ~ 10th harmonic.



Frequency Range = 30 MHz ~ 10th harmonics.

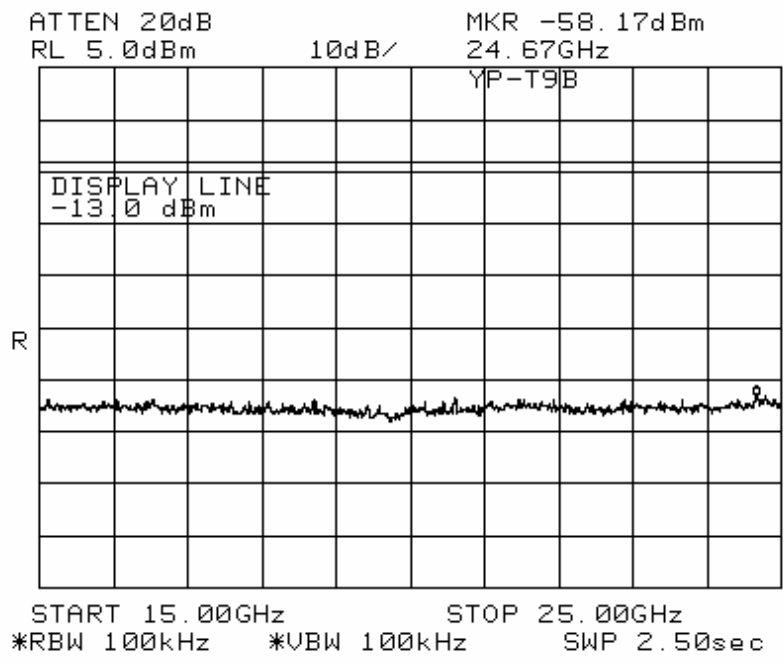
Band - edge (at 20 dB blow) – High channel
Frequency Range = 30 MHz ~ 10th harmonic.



Band - edge (at 20 dB blow) – High channel

Frequency Range = 30 MHz ~ 10th harmonics.

- Continues



3.2.7 Field Strength of Harmonics

Procedure:

The EUT was placed on a 0.8m high wooden table inside a shielded enclosure. An antenna was placed near the EUT and measurements of frequencies and amplitudes of field strengths were recorded for reference during final measurements. For final radiated testing, measurements were performed in OATS. Measurements were performed with the EUT oriented in 3 orthogonal axis and rotated 360 degrees to determine worst-case orientation for maximum emissions.

The spectrum analyzer is set to:

Center frequency = the worst channel

Frequency Range = 30 MHz ~ 10th harmonic.

RBW = 100 kHz (30MHz ~ 1 GHz)

VBW $\geq$ RBW

= 1 MHz (1 GHz ~ 10th harmonic)

Span = 100 MHz

Detector function = peak

Trace = max hold

Sweep = auto

Measurement Data: Complies

Low channel		Mid channel		High channel	
Frequency (MHz)	Level (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Frequency (MHz)	Level (dBuV/m)
1604	41.1	1637	40.6	1662	42.7
-	-	-	-	-	-
Measurement uncertainty		± 6 dB			

Minimum Standard: FCC Part 15.209(a)

Frequency (MHz)	Limit (uV/m) @ 3m
30 ~ 88	100 **
88 ~ 216	150 **
216 ~ 960	200 **
Above 960	500

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.



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EUT/Model No.: YP-T9B

Temp/Humi: 5 / 23

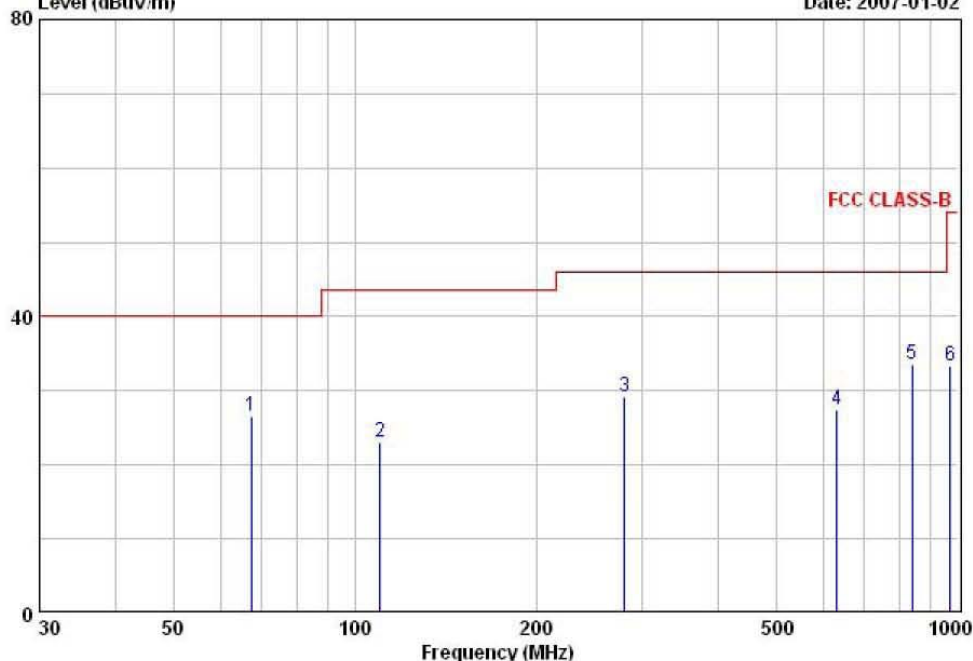
Test Mode : Play mode

Tested by: B. S. KIM

Data: 27

Level (dBuV/m)

Date: 2007-01-02



	Freq	Reading(QP)	C.F	Result (QP)	Limit	Margin	Height	Polarity
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	
1	67.44	39.99	-13.41	26.58	40.00	13.42	100	VERTICAL
2	110.04	36.80	-13.62	23.18	43.50	20.32	158	HORIZONTAL
3	279.99	39.50	-10.20	29.30	46.00	16.70	100	HORIZONTAL
4	630.01	30.90	-3.53	27.37	46.00	18.63	153	HORIZONTAL
5	839.18	32.49	1.11	33.60	46.00	12.40	400	HORIZONTAL
6	972.34	30.23	3.23	33.46	54.00	20.54	100	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain



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EUT/Model No.: YP-T9B

Temp/Humi: 5 / 23

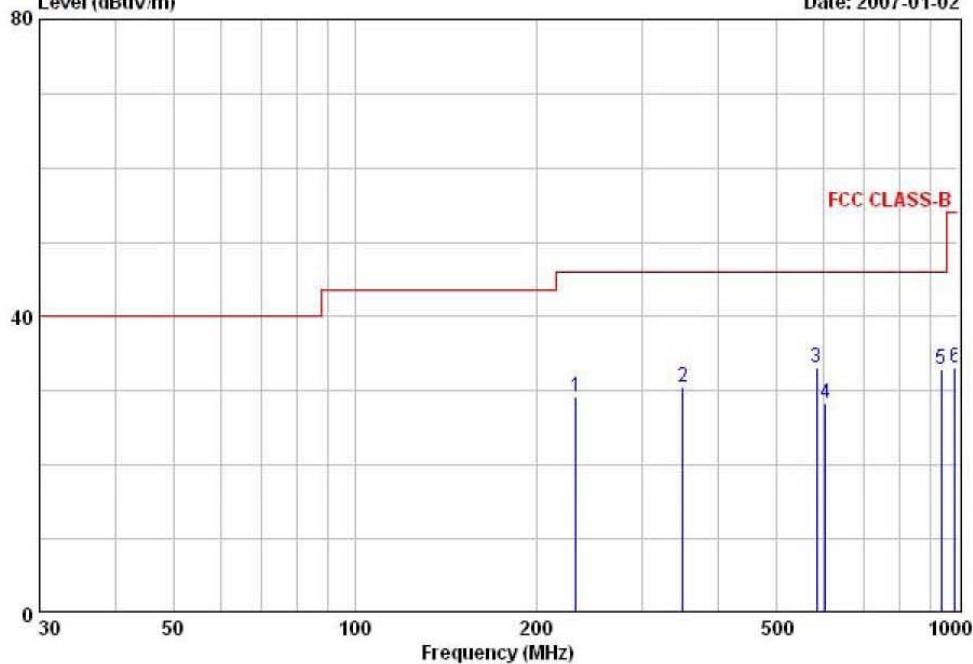
Test Mode : Rec mode

Tested by: B. S. KIM

Data: 28

Level (dBuV/m)

Date: 2007-01-02



	Freq MHz	Reading(QP) dBuV	C.F dB	Result (QP) dBuV/m	Limit dBuV/m	Margin dB	Height cm	Polarity
1	233.01	41.30	-12.06	29.24	46.00	16.76	134	HORIZONTAL
2	349.50	39.00	-8.56	30.44	46.00	15.56	100	HORIZONTAL
3	582.54	37.60	-4.38	33.22	46.00	12.78	176	HORIZONTAL
4	603.26	32.40	-3.96	28.44	46.00	17.56	100	VERTICAL
5	938.62	30.20	2.73	32.93	46.00	13.07	109	VERTICAL
6	989.54	29.79	3.37	33.16	54.00	20.84	100	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain



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EUT/Model No.: YP-T9B

Temp/Humi: 5 / 34

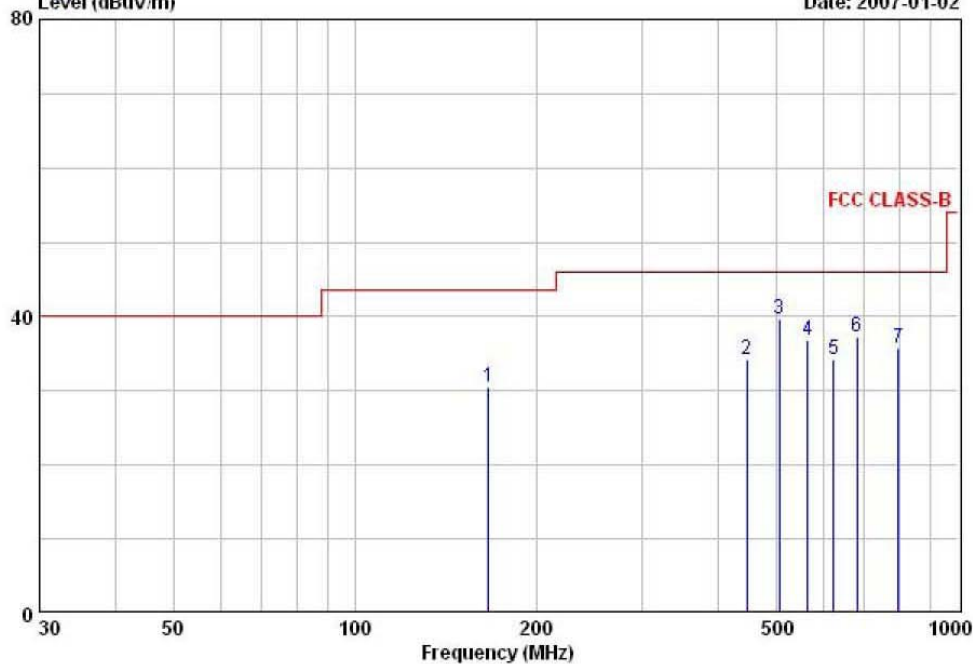
Test Mode : File up / down mode

Tested by: B. S. KIM

Data: 29

Level (dBuV/m)

Date: 2007-01-02



	Freq MHz	Reading(QP) dBuV	C.F dB	Result (QP) dBuV/m	Limit dBuV/m	Margin dB	Height cm	Polarity
1	166.53	41.20	-10.58	30.62	43.50	12.88	164	HORIZONTAL
2	446.69	40.60	-6.47	34.13	46.00	11.87	113	VERTICAL
3	504.99	45.30	-5.52	39.78	46.00	6.22	214	HORIZONTAL
4	563.22	41.60	-4.73	36.87	46.00	9.13	100	HORIZONTAL
5	621.41	38.00	-3.71	34.29	46.00	11.71	147	HORIZONTAL
6	679.79	39.80	-2.45	37.35	46.00	8.65	129	HORIZONTAL
7	796.26	35.00	0.72	35.72	46.00	10.28	100	VERTICAL

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

3.2.8 AC Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT had its hopping function disabled at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak mode (QP) with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Measurement Data: Complies

- See next pages for actual measured spectrum plots.
- No emissions were detected at a level greater than 10dB below limit.

Minimum Standard: FCC Part 15.207(a)/EN 55022

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

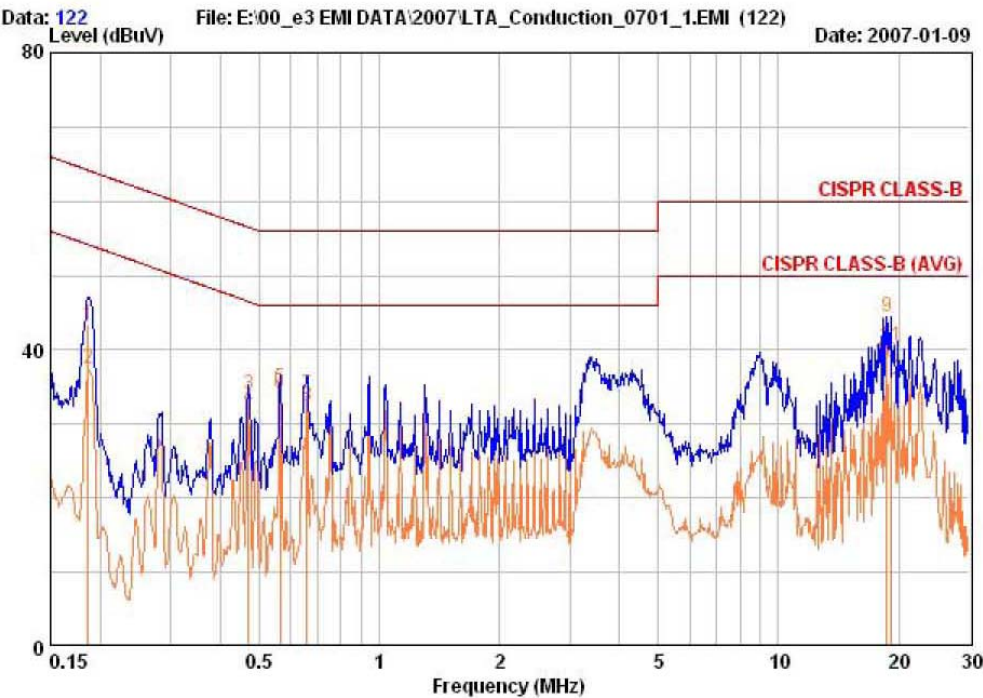
* Decreases with the logarithm of the frequency

AC Conducted Emissions –Line



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Gyeonggi-do 449-822 Korea
Tel :+82-31-323-6008
Fax:+82-31-323-6010

EUT / Model No. : YP-T9B	Phase : LINE
Test Mode : File up / down mode	Test Power : 120 / 60
Temp./Humi. : 20 / 22	Test Engineer : B.S.KIM



Freq	RD	RD	C.F	Result	Result	Limit	Limit	Margin	Margin
MHz	QP	AV		QP	AV	QP	AV	QP	AV
	dBuV	dBuV	dB	dBuV	dBuV	dBuV	dBuV	dB	dB
0.186	43.00	37.10	0.29	43.29	37.39	64.21	54.21	20.92	16.82
0.470	33.70	31.90	0.32	34.02	32.22	56.51	46.51	22.49	14.29
0.563	34.60	34.00	0.29	34.89	34.29	56.00	46.00	21.11	11.71
0.657	33.60	32.10	0.30	33.90	32.40	56.00	46.00	22.10	13.60
18.635	43.20	37.00	1.36	44.56	38.36	60.00	50.00	15.44	11.64
19.127	39.20	34.50	1.39	40.59	35.89	60.00	50.00	19.41	14.11

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss

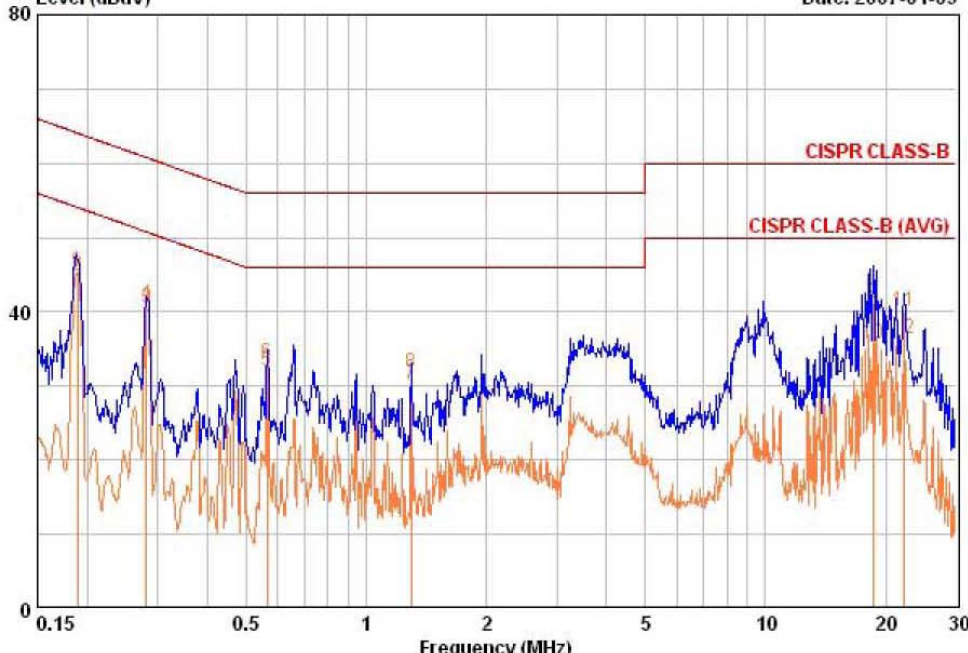
AC Conducted Emissions -Neutral



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Fax:+82-31-323-6010

EUT / Model No. : YP-T9B	Phase : NEUTRAL
Test Mode : File up / down mode	Test Power : 120 / 60
Temp./Humi. : 20 / 22	Test Engineer : B.S.KIM

Data: 124 File: E:\00_e3 EMI DATA\2007\LTA_Conduction_0701_1.EMI (124) Date: 2007-01-09



Freq	RD	RD	C.F	Result	Result	Limit	Limit	Margin	Margin
MHz	QP	AV		QP	AV	QP	AV	QP	AV
	dBuV	dBuV	dB	dBuV	dBuV	dBuV	dBuV	dB	dB
0.189	45.20	44.60	0.27	45.47	44.87	64.08	54.08	18.61	9.21
0.281	40.80	40.30	0.26	41.06	40.56	60.79	50.79	19.73	10.23
0.565	32.80	31.80	0.28	33.08	32.08	56.00	46.00	22.92	13.92
1.296	31.40	30.00	0.33	31.73	30.33	56.00	46.00	24.27	15.67
18.652	40.00	34.60	1.19	41.19	35.79	60.00	50.00	18.81	14.21
22.312	38.80	35.00	1.40	40.20	36.40	60.00	50.00	19.80	13.60

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss

APPENDIX

TEST EQUIPMENT USED FOR TESTS

	Description	Model No.	Serial No.	Manufacturer	Next Cal. Date
1	Spectrum Analyzer	8594E	3649A03649	HP	Mar-07
2	Signal Generater	8657A	3430U02049	HP	Dec-07
3	Attenuator (3dB)	8491A	37822	HP	Nov-07
4	Attenuator (3dB)	8491A	28881	HP	Nov-07
5	EMI Test Receiver	ESVD	843748/001	R&S	Jan-07
6	LISN	KNW-407	8-1430-1	Kyoritsu	Jan-07
7	Two-Line V-Network	ESH3-Z5	893045/017	R&S	Jan-07
8	RF Amplifier	8447D	2949A02670	HP	Jan-07
9	RF Amplifier	8447D	2439A09058	HP	Jan-07
10	RF Amplifier	8449B	3008A02126	HP	Jun-07
11	Test Receiver	ESHS10	828404009	R&S	Jan-07
12	TRILOG Antenna	VULB 9160	9160-3172	SCHWARZBECK	Feb-07
13	Log.-Per. Antenna	VULP 9118	9118 A 401	SCHWARZBECK	Feb-07
14	Biconical Antenna	BBA 9106	VHA 9103-2315	SCHWARZBECK	Feb-07
15	Horn Antenna	3115	00055005	ETS LINDGREN	Jun-07
16	Horn Antenna	BBHA 9120D	0499	Schwarzbeck	Jun-07
17	Dipole Antenna	VHA9103	2116	Schwarzbeck	Nov-07
18	Dipole Antenna	VHA9103	2117	Schwarzbeck	Nov-07
19	Dipole Antenna	UHA9105	2261	Schwarzbeck	Nov-07
20	Dipole Antenna	UHA9105	2262	Schwarzbeck	Nov-07
21	Spectrum Analyzer	8591E	3649A05888	HP	Jan-07
22	Spectrum Analyzer	8563E	3425A02505	HP	Jan-07
23	Hygro-Thermograph	THB-36	0041557-01	ISUZU	Feb-07
24	Splitter (SMA)	ZFSC-2-2500	SF617800326	Mini-Circuits	Jun-07
25	RF Switch	MP59B	6200414971	ANRITSU	Jun-07
26	RF Switch	MP59B	6200438565	ANRITSU	Jun-07
27	Power Divider	11636A	6243	HP	Nov-07
28	DC Power Supply	6622A	3448A03079	HP	Oct-07
29	Attenuator (30dB)	11636A	6243	HP	Nov-07
30	Attenuator (10dB)	8491A	63196	HP	Nov-07
31	Power Meter	EPM-441A	GB32481702	HP	Apr-07
32	Power Sensor	8481A	2702A64048	HP	Apr-07
33	Audio Analyzer	8903B	3729A18901	HP	Nov-07
34	Modulation Analyzer	8901B	3749A05878	HP	Nov-07
35	TEMP & HUMIDITY Chamber	YJ-500	L05022	JinYoung Tech	Oct-07