

TEST REPORT

1. Applicant

Name : Trinus Systmes Inc
Address : Unitech-Ville 801, #1141-2 Beakseok-Dong, Ilsandong-Gu
Ilsandong-Gu, Goyang-City, Gyeonggi-Do, KOREA 410-722

2. Products

Name : Wireless Microphone
Model/Type : CMR24WAT
FCC ID : ROYCMR24WATT
Manufacturer : Trinus Systmes Inc

3. Test Standard : FCC CFR 47 Part 15, Subpart C section 15.247

4. Test Method : ANSI C63.4-2003

5. Test Result : Positive

6. Date of Application : March. 02, 2009

7. Date of Issue : March. 09, 2009

Tested by

Sung-kyu Cho

Sung-kyu Cho

Telecommunication Team
Engineer

Approved by

Jeong min Kim

Jeong-min Kim

Telecommunication Team
Manager

The test results contained apply only to the test sample(s) supplied by the applicant, and this test report shall not be reproduced in full or in part without approval of the KTL in advance.

Korea Testing Laboratory

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1. GENERAL INFORMATIONs

1.1. Applicant (Client)

Name	Trinus Systems Inc
Address	Unitech-Ville 801, #1141-2 Beakseok-Dong, Ilsandong-Gu, Ilsandong-Gu, Goyang-City, Gyeonggi-Do, KOREA 410-722
Contact Person	Ki Jin Jang
Telephone No.	+82 31 904 5558
Facsimile No.	+82 31 904 5696
E-mail address	jang@trinus.co.kr
Manufacturer Name	Trinus Systems Inc
Manufacturer Address	Unitech-Ville 801, #1141-2 Beakseok-Dong, Ilsandong-Gu, Ilsandong-Gu, Goyang-City, Gyeonggi-Do, KOREA 410-722

1.2. Equipment (EUT)

FCC Classification	DSS – Part 15 Spread Spectrum Transmitter
Model Name	CMR24WAT
FCC ID	ROYCMR24WATT
Frequency Band	2401.056 ~ 2482.272 MHz
Method / System	Frequency Hopping System
Max RF Output Power	22.76 dBm
Antenna Type	PIFA
Antenna Gain	Max 3.24 dBi
Type of Modulation	GFSK
Number of Channels	95
Antenna Gain	VER. A
Function Type	VER. A

1.3. Testing Laboratory

Testing Place	Korea Testing Laboratory (KTL) 1271-12, Sa-Dong Sangnok-Gu, Ansan-si Gyunggi-Do , Korea
FCC registration number	408324
Industry Canada filing number	6298
Test Engineer	Sung-kyu Cho
Telephone number	+82 31 5000 132
Facsimile number	+82 31 5000 159
E-mail address	skcho@ktl.re.kr
Other Comments	-

1.4. Channel Frequency Table

CH	Freq' (MHz)	CH	Freq' (MHz)	CH	Freq' (MHz)	CH	Freq' (MHz)
0	2,401.056	25	2,422.656	50	2,444.256	75	2,465.856
1	2,401.920	26	2,423.520	51	2,445.120	76	2,466.720
2	2,402.784	27	2,424.384	52	2,445.984	77	2,467.584
3	2,403.648	28	2,425.248	53	2,446.848	78	2,468.448
4	2,404.512	29	2,426.112	54	2,447.712	79	2,469.312
5	2,405.376	30	2,426.976	55	2,448.576	80	2,470.176
6	2,406.240	31	2,427.840	56	2,449.440	81	2,471.040
7	2,407.104	32	2,428.704	57	2,450.304	82	2,471.904
8	2,407.968	33	2,429.568	58	2,451.168	83	2,472.768
9	2,408.832	34	2,430.432	59	2,452.032	84	2,473.632
10	2,409.696	35	2,431.296	60	2,452.896	85	2,474.496
11	2,410.560	36	2,432.160	61	2,453.760	86	2,475.360
12	2,411.424	37	2,433.024	62	2,454.624	87	2,476.224
13	2,412.288	38	2,433.888	63	2,455.488	88	2,477.088
14	2,413.152	39	2,434.752	64	2,456.352	89	2,477.952
15	2,414.016	40	2,435.616	65	2,457.216	90	2,478.816
16	2,414.880	41	2,436.480	66	2,458.080	91	2,479.680
17	2,415.744	42	2,437.344	67	2,458.944	92	2,480.544
18	2,416.608	43	2,438.208	68	2,459.808	93	2,481.408
19	2,417.472	44	2,439.072	69	2,460.672	94	2,482.272
20	2,418.336	45	2,439.936	70	2,461.536		
21	2,419.200	46	2,440.800	71	2,462.400		
22	2,420.064	47	2,441.664	72	2,463.264		
23	2,420.928	48	2,442.528	73	2,464.128		
24	2,421.792	49	2,443.392	74	2,464.992		

2. SUMMARY OF TEST RESULTS

Testing performed for : Trinus Systems Inc

Equipment Under Test : Wireless Microphone

Receipt of Test Sample : 2009. 03. 02

Test Start Date : 2009. 03. 03

Test End Date : 2009. 03. 09

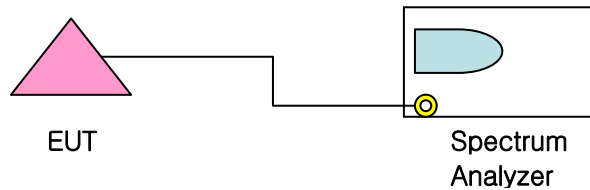
The following table represents the list of measurements required under the FCC CFR47 Part 15.207, 15.247, and 15.209

FCC Rules	Test Requirements	Result	Comments
15.247 (a)(1)	20dB Bandwidth	Pass	See Data sheets
15.247 (b)(1)	Maximum Peak Power	Pass	See Data sheets
15.247(d)	100 KHz Bandwidth of Frequency Band Edges	Pass	See Data sheets
15.247 (a)(1)	Hopping channel separation	Pass	See Data sheets
15.247 (a)(1)(iii)	Number of hopping channels	Pass	See Data sheets
15.247 (a)(1)(iii)	Dwell time	Pass	See Data sheets
15.247(d)	Conducted Spurious Emission	Pass	See Data sheets
15.209	Radiated Spurious Emissions	Pass	See Data sheets

3. Measurement & Results

3.1. 20 dB Bandwidth

3.1.1. Test Setup Layout



3.1.2. Test Procedure

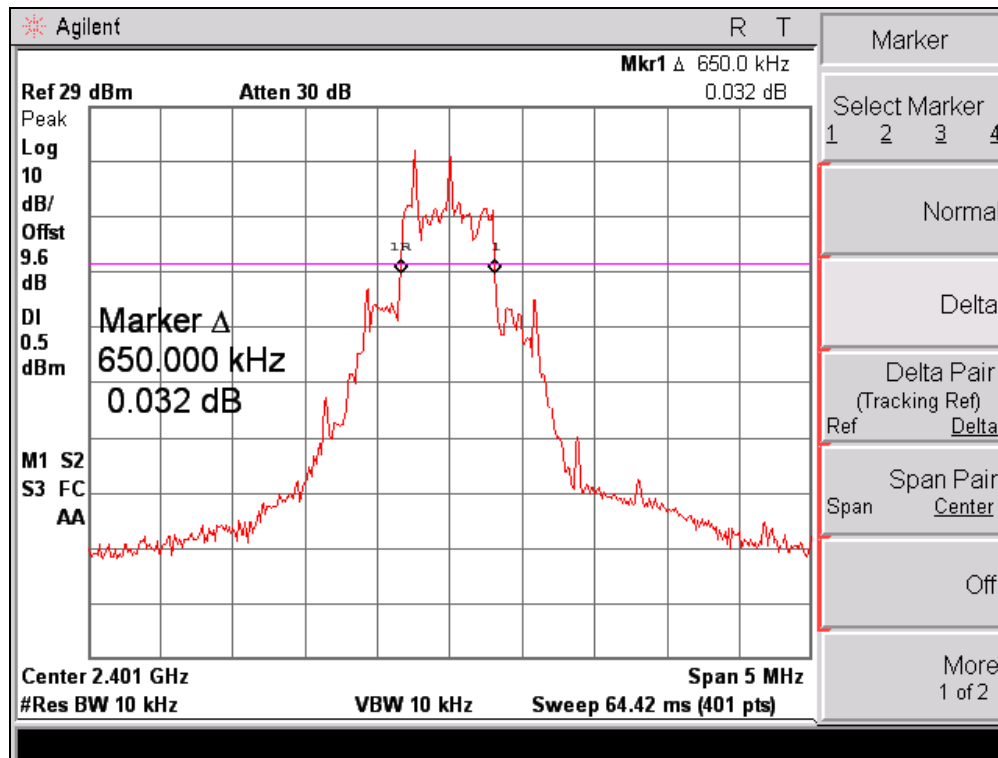
The transmitter output of EUT was connected to the Spectrum analyzer. The spectrum analyzer span was set to 2 to 3 times the estimated 20 dB bandwidth of the emission. The RBW was to $\geq 1\%$ of the estimated 20 dB bandwidth. The trace was set to max hold with a peak detector active. The span and RBW were examined and re-adjusted if necessary to meet the requirements of 2 to 3 time the 20 bandwidth for the span and $\geq 1\%$ of the 20 dB bandwidth for the RBW.

3.1.3. Limits

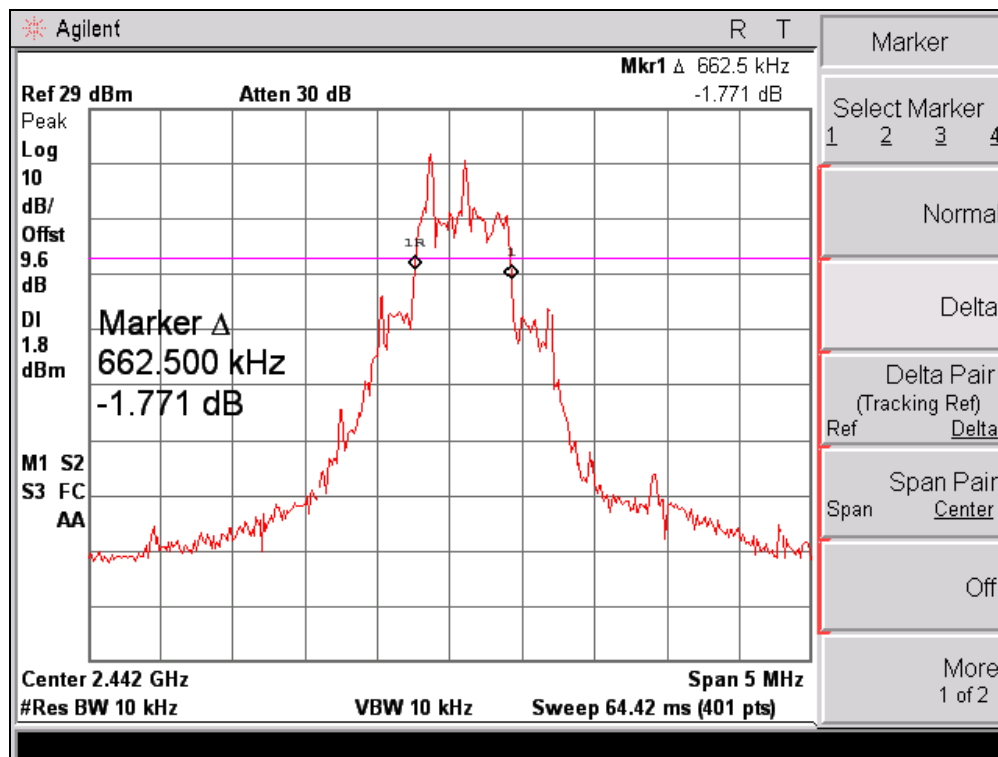
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

3.1.4. Test result

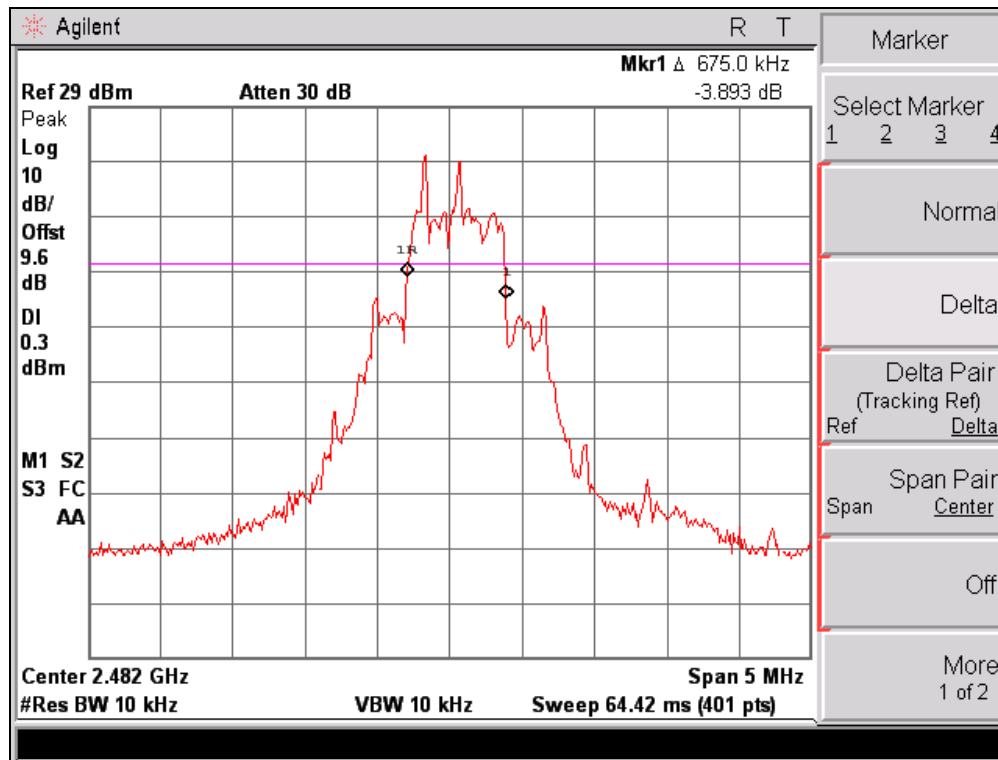
Channel Number	Result (kHz)	Verdict
0	650	Pass
47	662.5	Pass
94	675	Pass



– Occupied Bandwidth CH 0 –



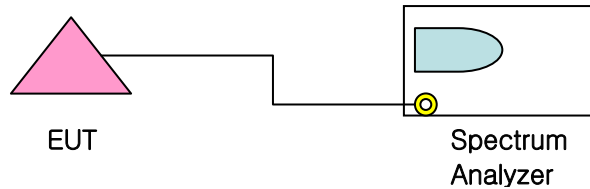
– Occupied Bandwidth CH 47 –



– Occupied Bandwidth CH 94 –

3.2. Maximum Peak Power

3.2.1. Test Setup Layout



3.2.2. Test Procedure

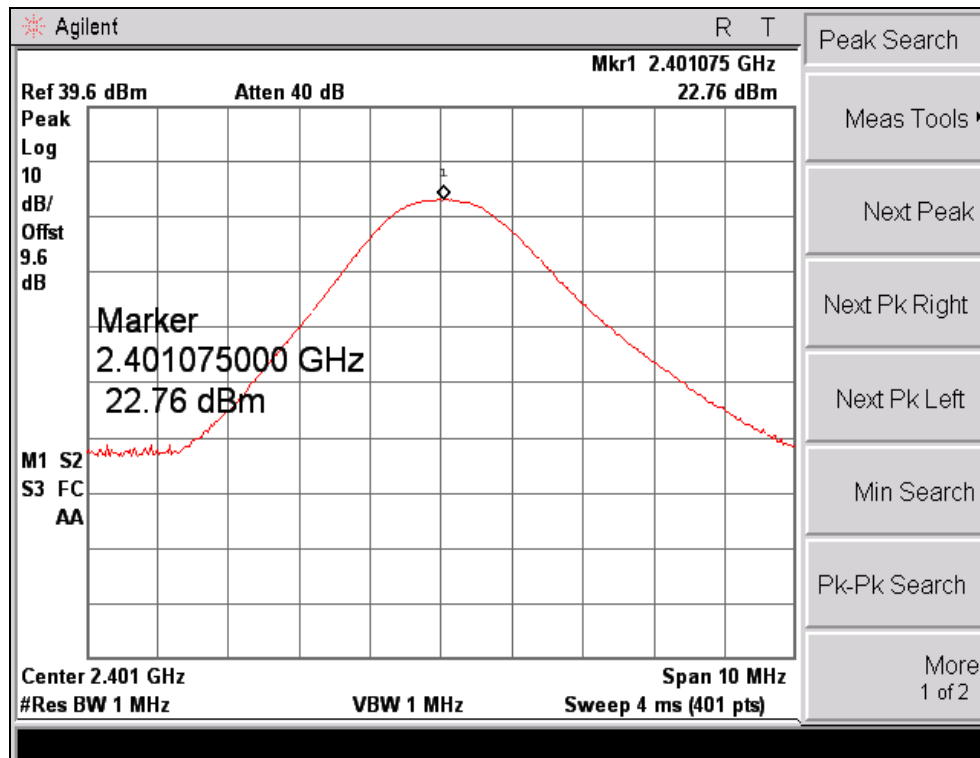
The transmitter output of EUT was connected to the Spectrum analyzer. The 20dB bandwidth of the EUT was within the resolution bandwidth of spectrum analyzer, therefore the power measurement was made using the spectrum analyzer method. The resolution and video bandwidth were set to > 20 dB bandwidth of the emission measured.

3.2.3. Limits

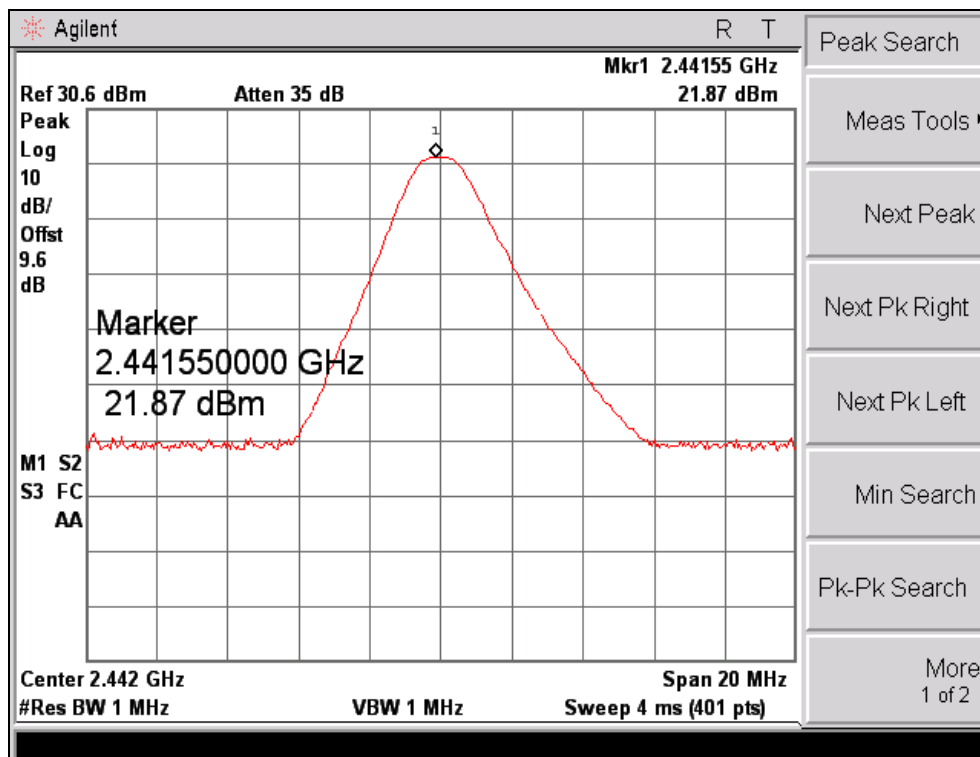
For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non overlapping hopping channels : 1 watt.

3.2.4. Test result

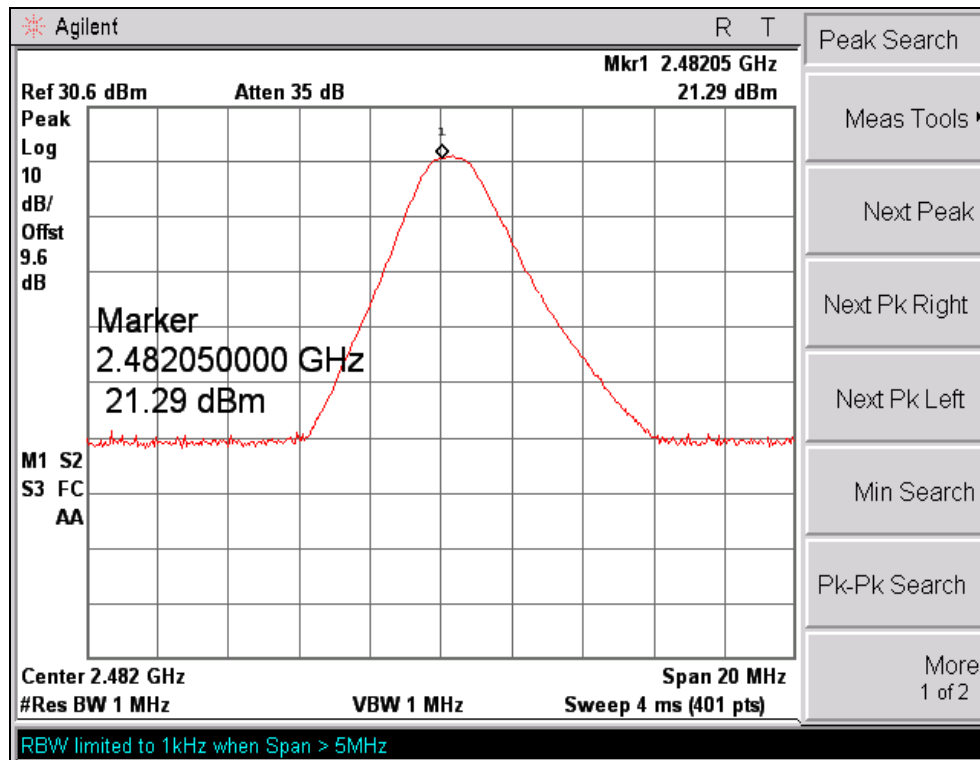
Channel Number	Result (dBm)	Limit (dBm)	Verdict
0	22.76	30	pass
47	21.87	30	pass
94	21.29	30	pass



– Output Power of CH 0 –



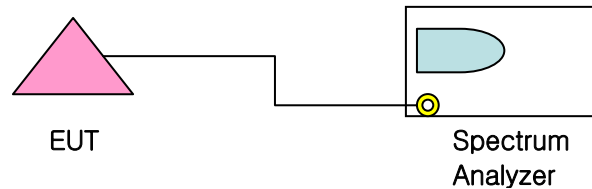
– Output Power of CH 47 –



– Output Power of CH 94 –

3.3. 100 KHz Bandwidth of Frequency Band Edges

3.3.1. Test Setup Layout



3.3.2. Test Procedure

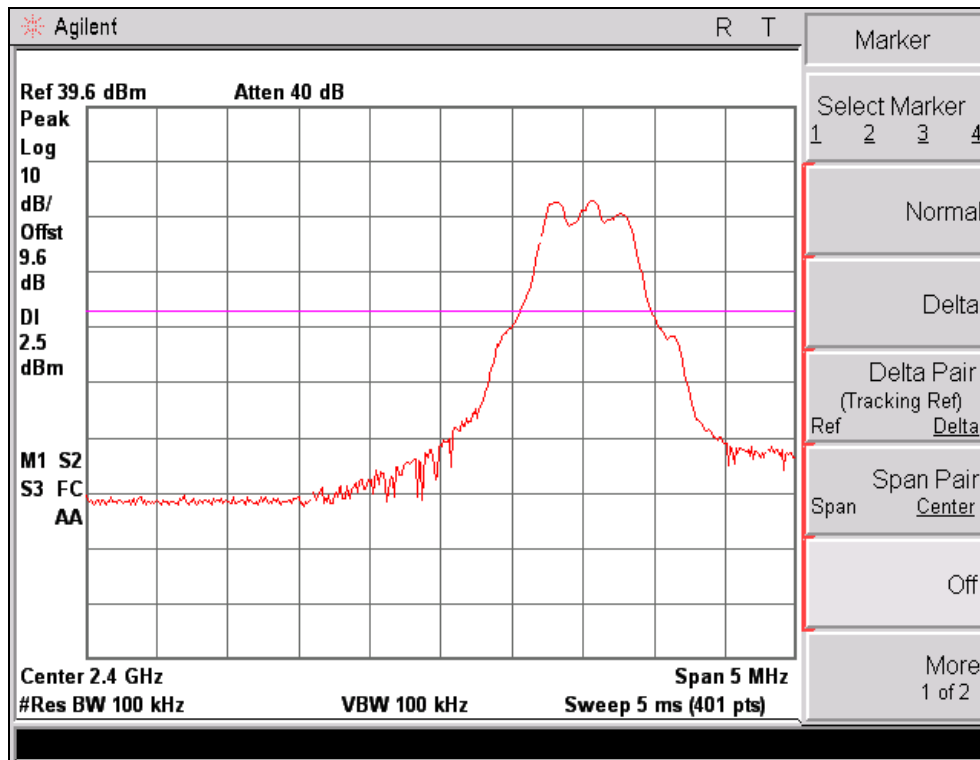
The transmitter output of EUT was connected to the Spectrum analyzer. The EUT was investigated at the lowest and highest channel available to determine band-edge compliance. For each measurement the spectrum analyzer's RBW was set to 100 kHz, which is $\geq 1\%$ of the span.

3.3.3. Limits

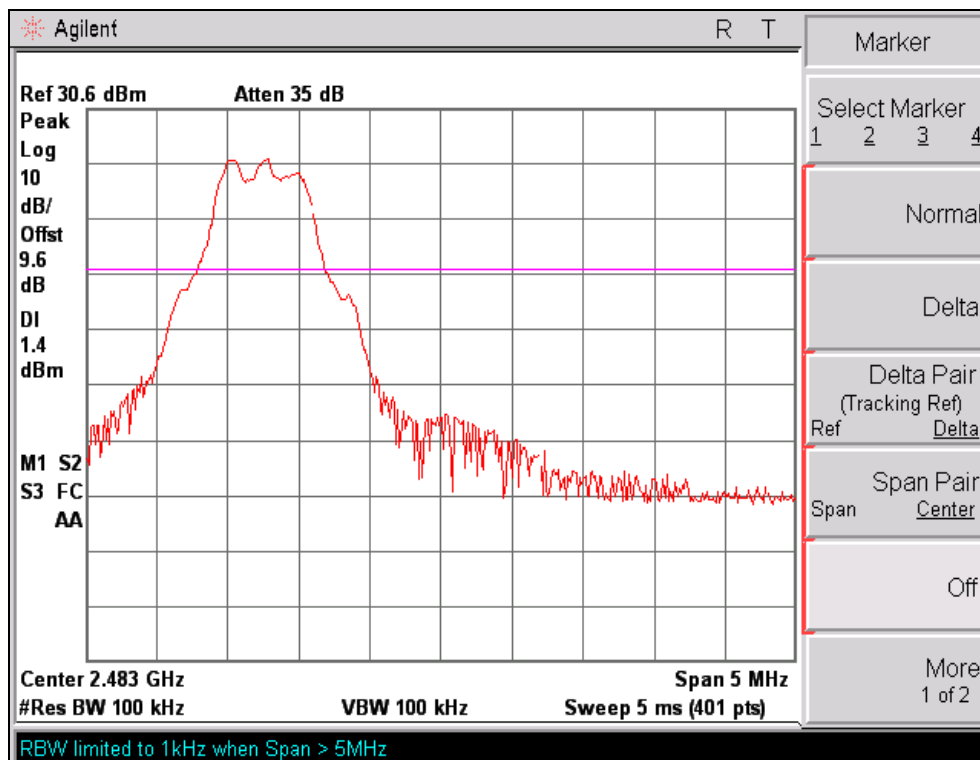
In a 100 kHz bandwidth at the lower and upper band-edge, the radio frequency power that was produced by the EUT is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power.

3.3.4. Test result

Channel Number	Result (dBc)	Limit (dBc)	Verdict
0	40 >	20	Pass
94	40 >	20	Pass



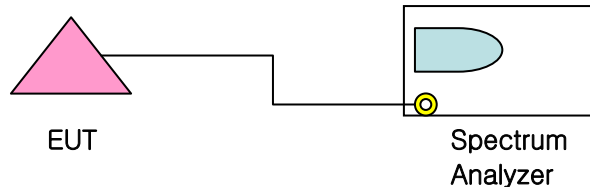
– Lower side band edge –



– Upper side band edge –

3.4. Hopping Channel Separation

3.4.1. Test Setup Layout



3.4.2. Test Procedure

The transmitter output of EUT was connected to the Spectrum analyzer. The span of the spectrum analyzer was set wide enough to capture two adjacent peaks and the RBW and VBW were set to $\geq 1\%$ of the span.

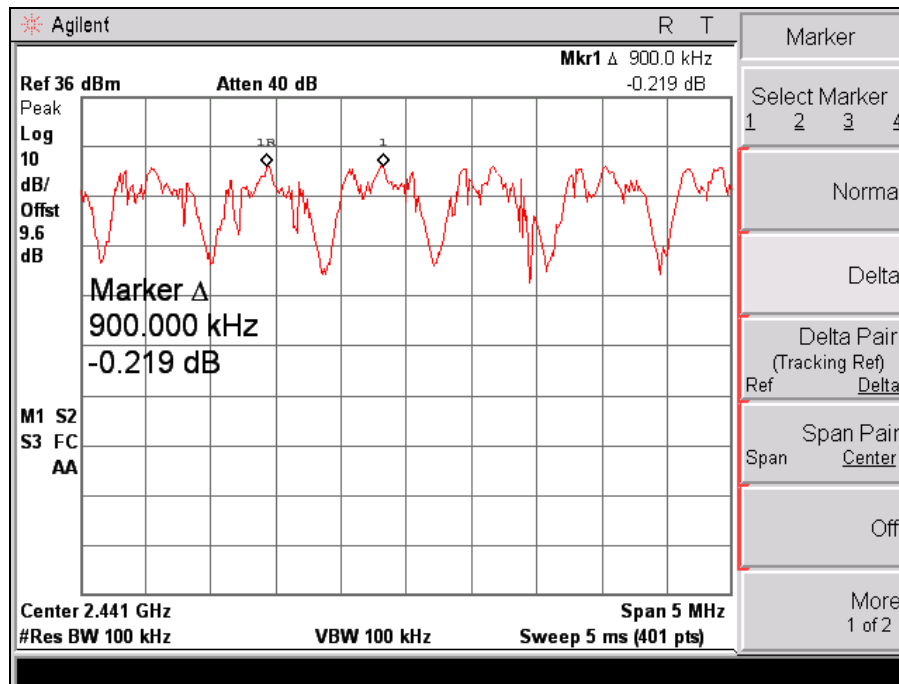
3.4.3. Limits

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

3.4.4. Test result

Mode	Result (kHz)	Limit (kHz)	Verdict
Hopping mode	900	675	Pass

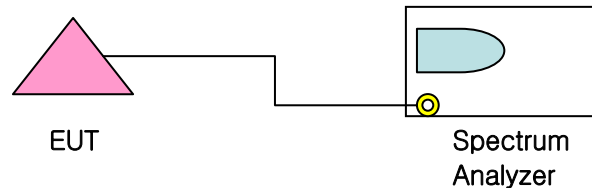
※ Remark : 20dB bandwidth is 675 kHz



– Hopping Channel Separation –

3.5. Number of Hopping Channels

3.5.1. Test Setup Layout



3.5.2. Test Condition

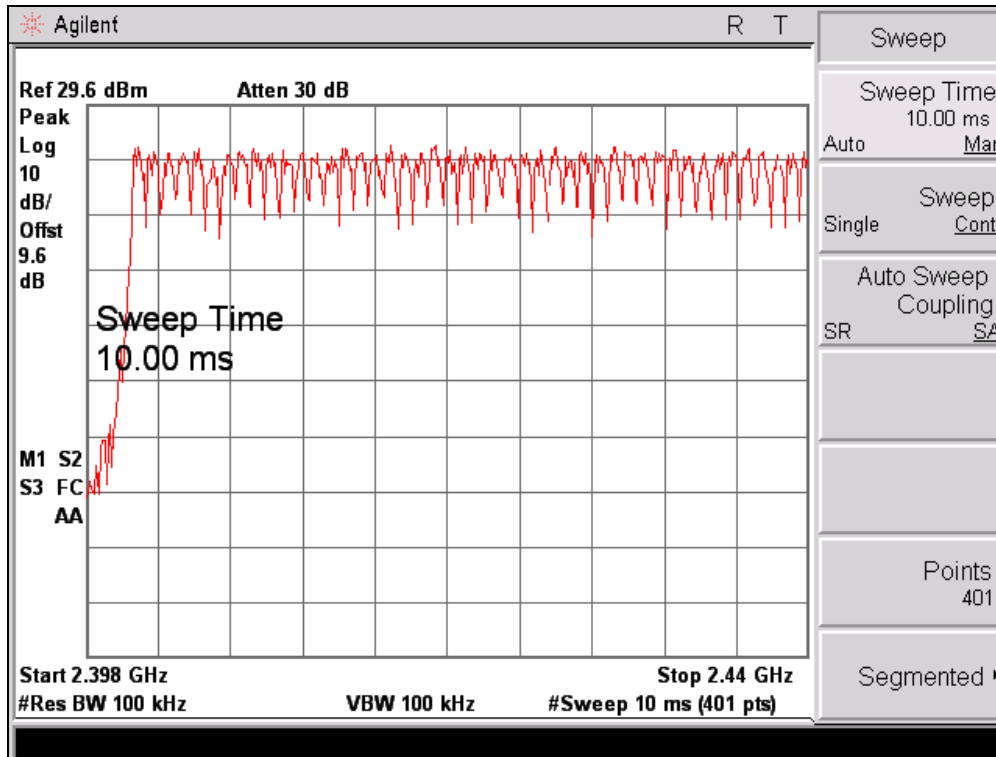
The transmitter output of EUT was connected to the Spectrum analyzer. The span of the spectrum analyzer was set wide enough to capture number of hopping channels.

3.5.3. Limits

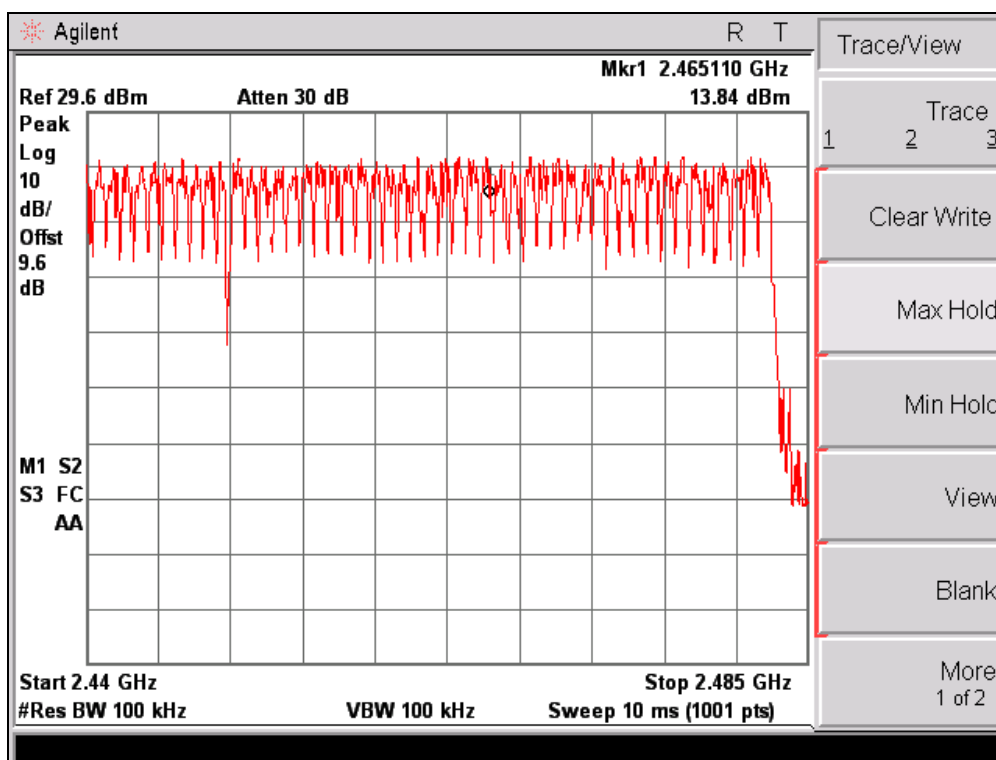
For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels.

3.5.4. Test result

Mode	Result	Limit	Verdict
Hopping mode	95	75	Pass



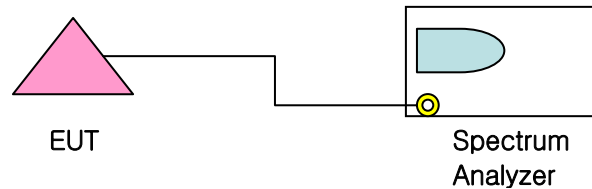
– Number of hopping channels 2400~2440 MHz –



– Number of hopping channels 2440~2483.5 MHz –

3.6. Dwell Time

3.6.1. Test Setup Layout



3.6.2. Test Procedure

The transmitter output of EUT was connected to the Spectrum analyzer. The analyzer is centered on the measured emission's center frequency and the span set to 0 Hz. The RBW was set to 1 MHz and the VBW to 1 MHz. Sweep time was set to 10 s to capture the burst of the emission. The marker delta function of the analyzer was employed to measure the burst duration.

The occupancy time is calculated by:

Test time period : $0.4 \times 95 = 38 \text{ sec}$

Hopping Time which in 1 sec : $10/10 \text{ sec} = 1/\text{sec}$

The Maximum occupancy time within 38 sec

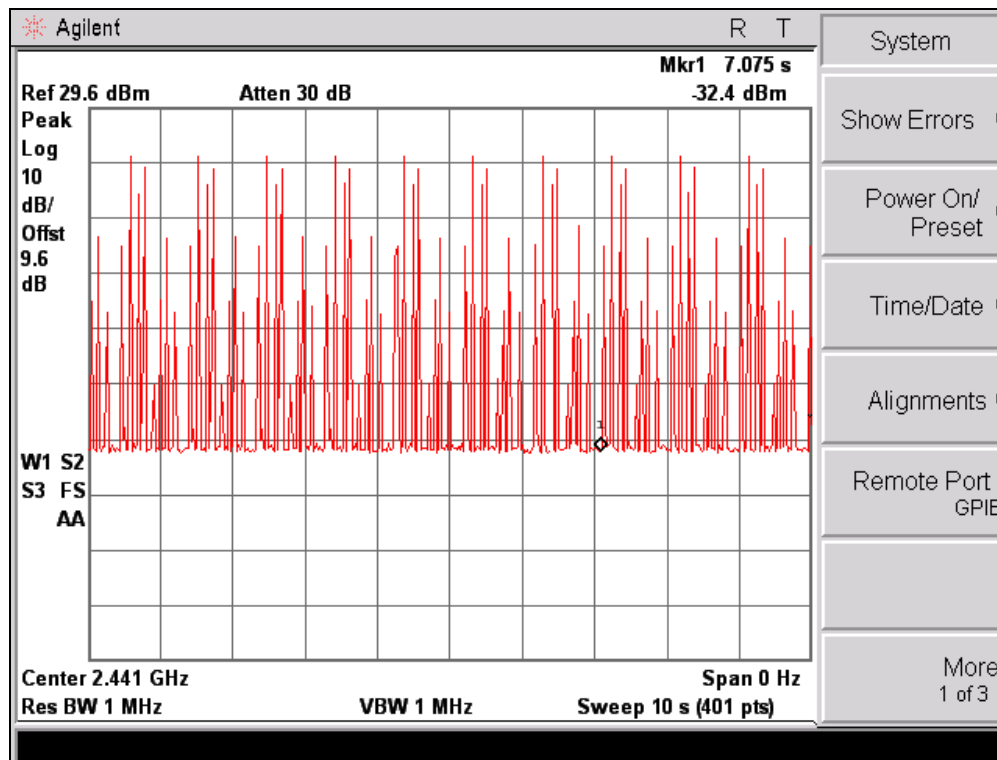
$= (250 \text{ us} \times 1000) / (95 \times 38) = 69.25 \text{ ms}$

3.6.3. Limits

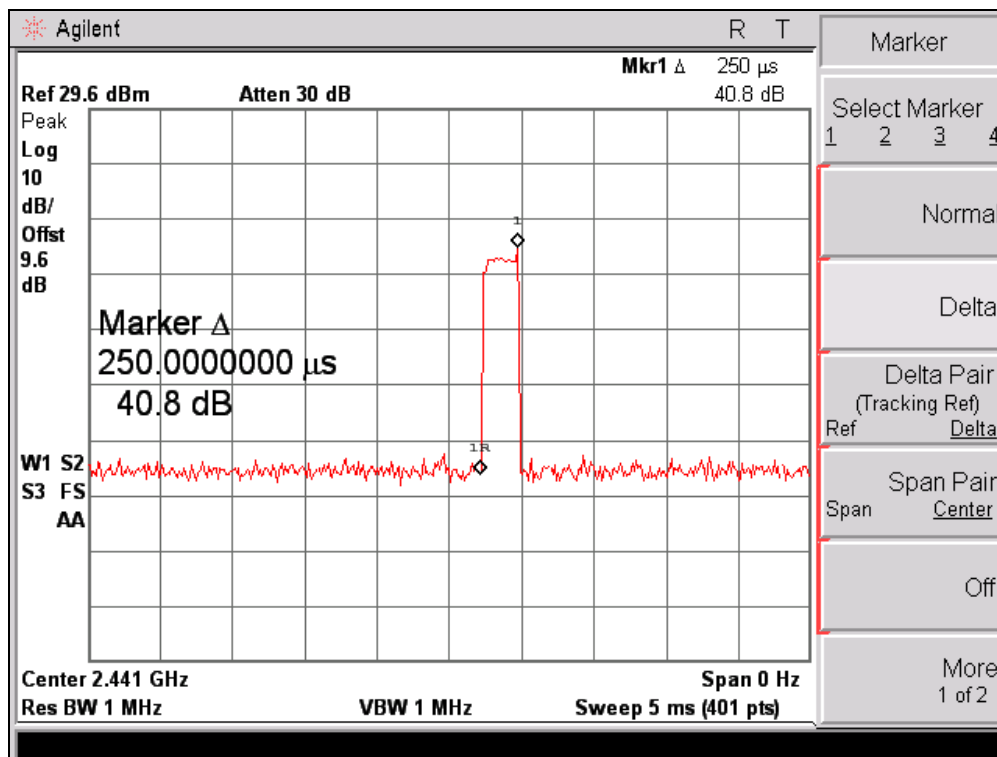
The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

3.6.4. Test result

Mode	Result (ms)	Limit (ms)	Verdict
Hopping mode	69.25	400	Pass



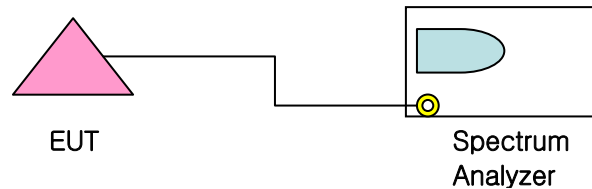
– The Number of channels in 10 s –



– Type slot length –

3.7. Conducted Spurious Emission

3.7.1. Test Setup Layout



3.7.2. Test Procedure

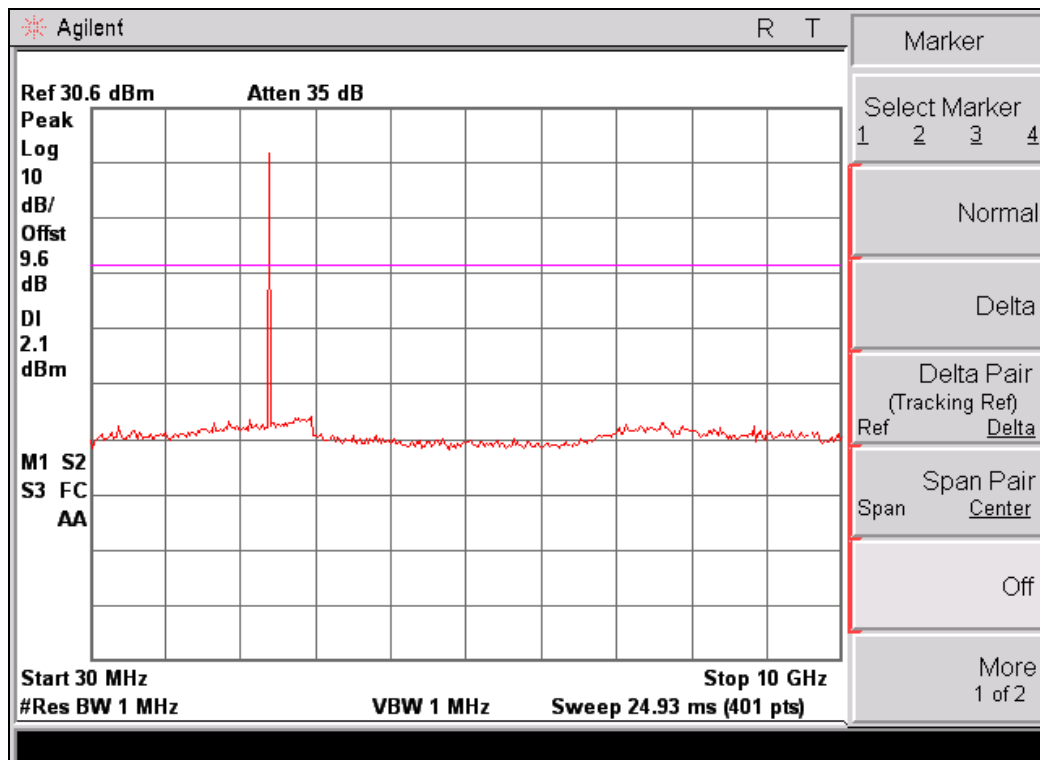
The EUT was investigated for conducted spurious emissions from 30 MHz to 10 times the highest fundamental frequency. Measurements were made at the low, center and high channels of the EUT. For each measurement, the spectrum analyzer's VBW was set to 1 MHz and the RBW was set to 1MHz. A peak detector function was used with the trace set to max hold.

3.7.3. Limits

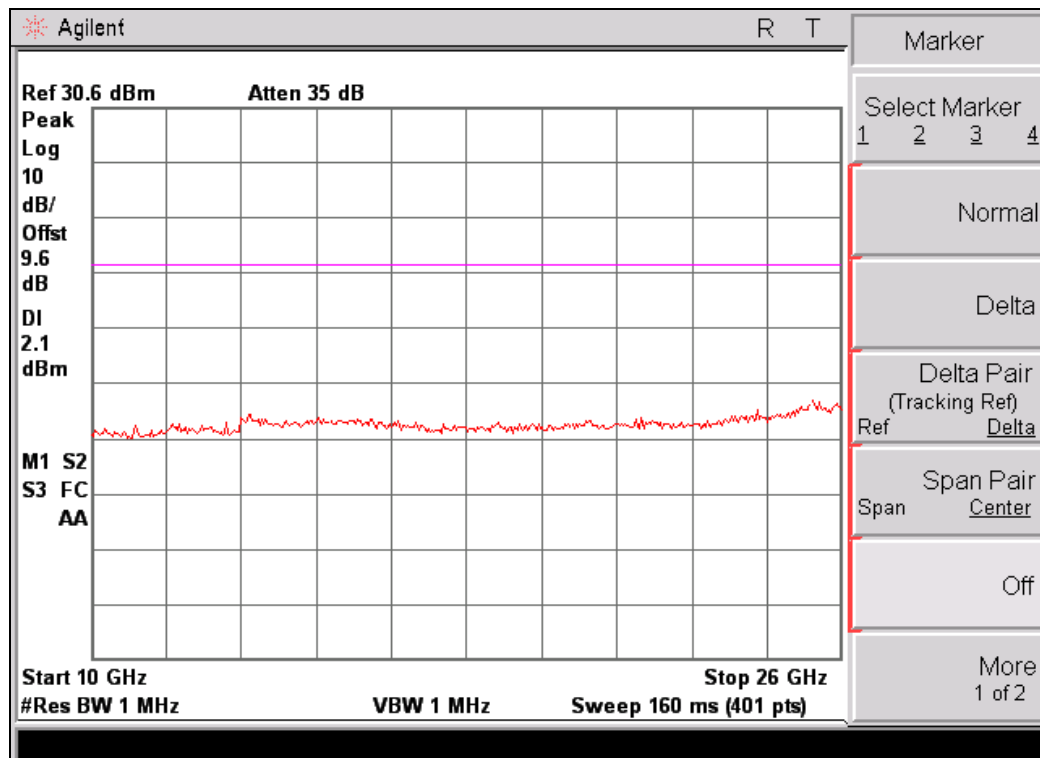
In a 100 kHz bandwidth at the lower and upper band-edge, the radio frequency power that was produced by the EUT is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power.

3.7.4. Test result

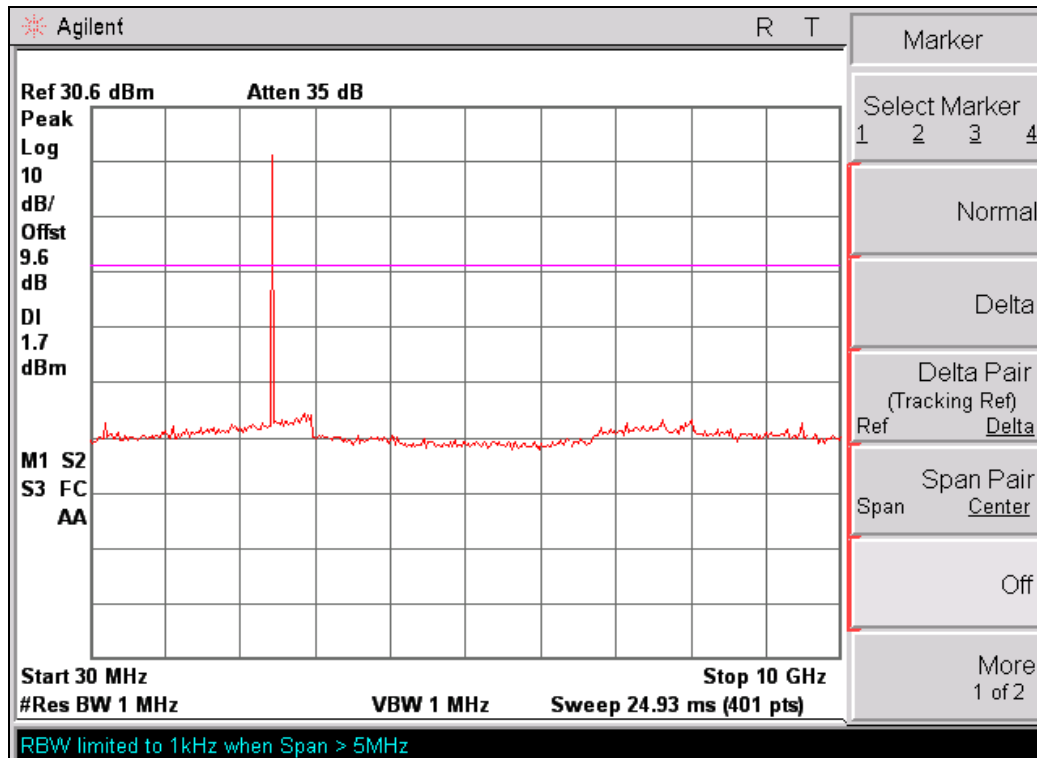
Channel Number	Result (dBc)	Limit (dBc)	Verdict
0	40 >	20	Pass
47	40 >	20	Pass
94	40 >	20	Pass



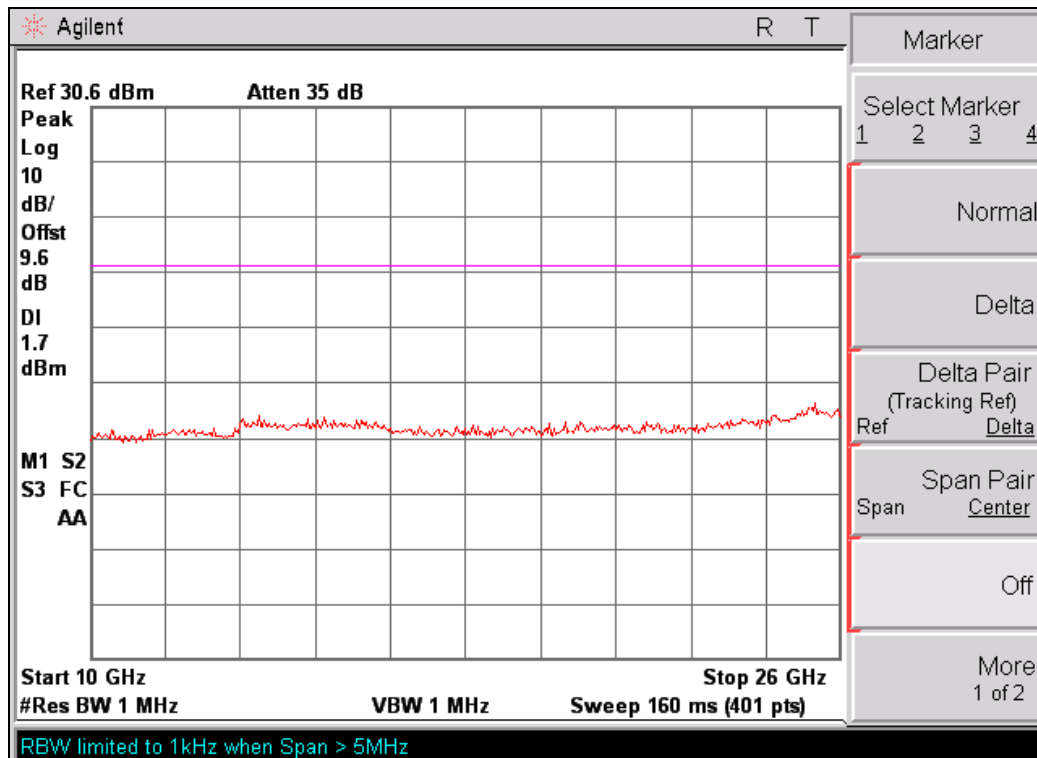
– Spurious emission of CH 0 –



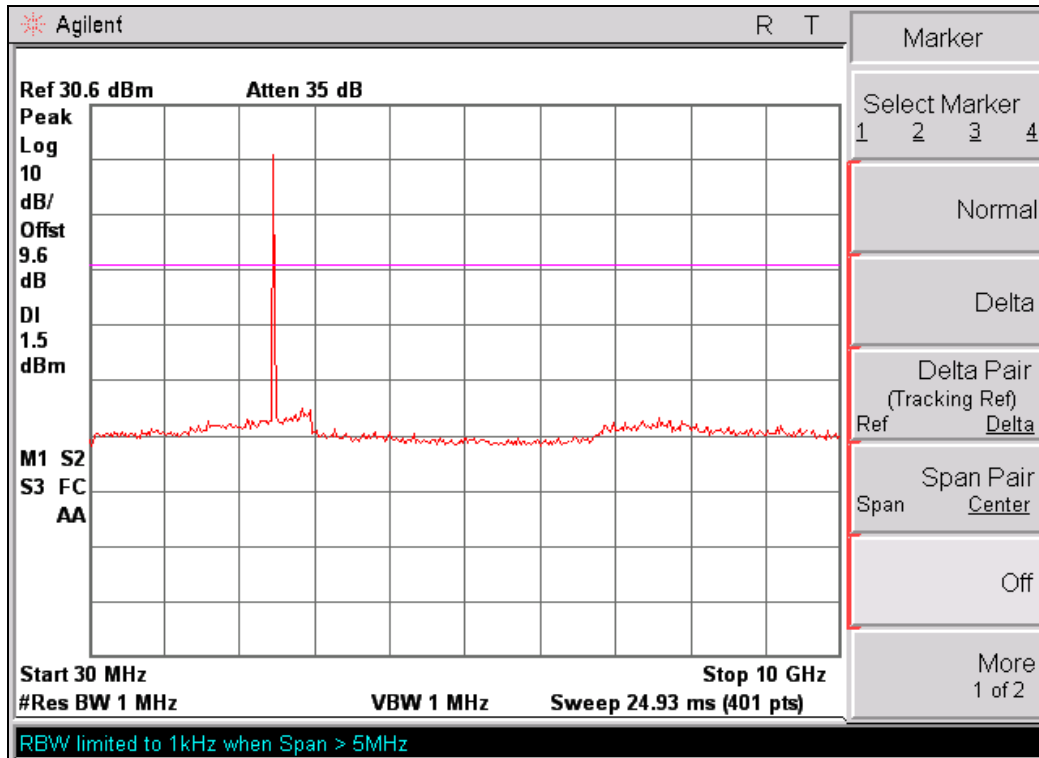
– Spurious emission of CH 0 –



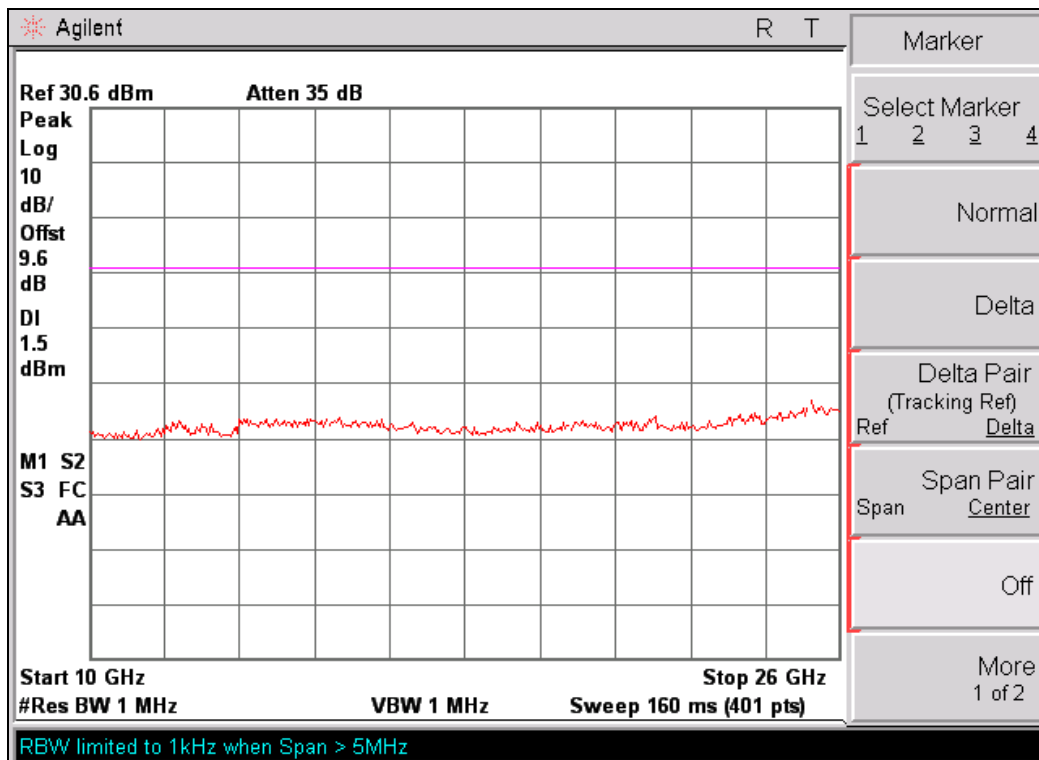
– Spurious emission of CH 47 –



– Spurious emission of CH 47 –



– Spurious emission of CH 94 –



– Spurious emission of CH 94 –

3.8. Radiated Spurious Emissions

3.8.1. Test Procedure

3.8.1.1 Preliminary Testing for Reference

Preliminary testing was performed in a KTL absorber-lined room to determine the emission characteristics of the EUT. The EUT was placed on the wooden table which has dimensions of 0.8 meters in height, 1 meter in length and 1.5 meters in width. Receiving antenna (Biconi-Log antenna : 30 to 1000 MHz or Horn Antenna : 1 to 40 GHz) was placed at the distance of 3 meter from the EUT.

An attempt was made to maximize the emission level with the various configurations of the EUT. Emission levels from the EUT with various configurations were examined on a spectrum analyzer connected with a RF amplifier and graphed.

The emission was within the illumination area of the 3 dB beam width of the antenna so that the maximum emission from the EUT is measured.

3.8.1.2 Final Radiated Emission Test at an Absorber-Lined Room

The final measurement of radiated field strength was carried out in a KTL Absorber-Lined Room that was listed up at FCC according to the "Radiated Emissions Testing" procedure specified by ANSI C63.4.

Based on the test results in preliminary test, measurement was made in same test set up and configuration which produced maximum emission level. Receiving antenna was installed at 3-meter distance from the EUT, and was connected to an EMI receiver.

Turntable was rotated through 360 degrees and receiving antenna height was varied from 1 to 4 meters above the ground plane to read maximum emission level. Receiving antenna polarization was changed vertical and horizontal. The worst value was recorded.

If necessary, the radiated emission measurements could be performed at a closer distance than specified distance to ensure higher accuracy and their results were extrapolated to the specified distance using an inverse linear distance extrapolation factor (20 dB/decade) as per Section 15.31(f).

The maximum emission level from the EUT occurred in such configuration as shown in the following photograph.

Tested in x, y, z axis and worst case results are reported

The maximum frequency range measuring with the spectrum from 30 MHz to 26 GHz is investigated with the transmitter.

3.8.2. Limits

Emissions that fall in the restricted bands (FCC Part 15.205) must be less than or equal to 500 $\mu\text{V}/\text{m}$.

Spurious not in a restricted band must be 20 dBc.

* FCC Part 15.205

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	MHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
10.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)
13.36 - 13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

² Above 38.6

3.8.3. Calculation of Duty Cycle Correction Factor

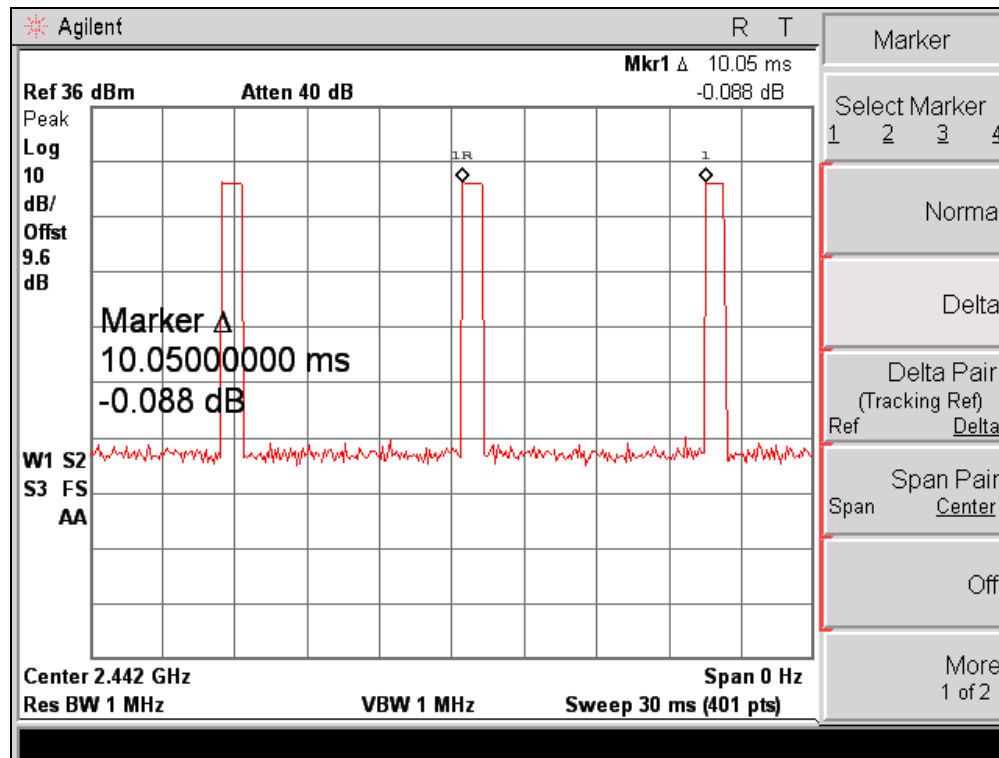
The period of the pulse train is determined by observing it on a spectrum analyzer with zero frequency span. A plot is then made of the pulse train with a sweep time of 30 milliseconds. This sweep determines the duration of the pulse train, which in this case is millisecond.

Duty cycle correction factor

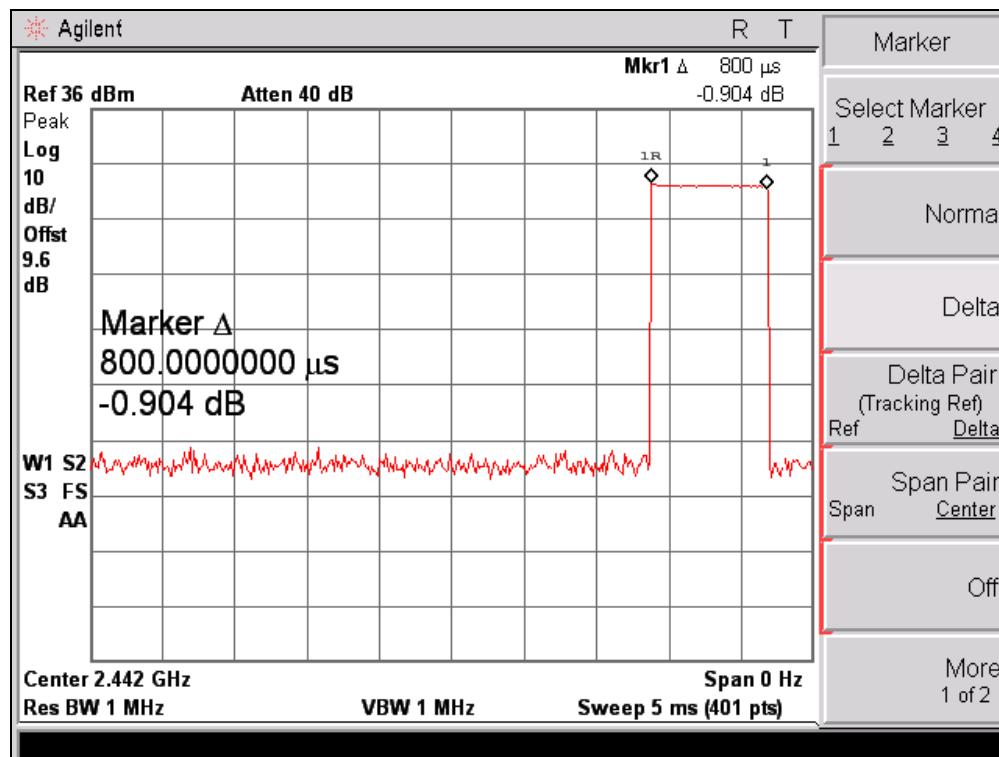
= $20 \times \log (\text{ON TIME}) / \text{PERIOD}$

= $20 \times \log (0.8\text{ms}/10.05\text{ms}) = -22.0 \text{ dB}$

Duty Cycle correction factor = -22.0 dB



– The period of pulse train –



– The pulse ON TIME –

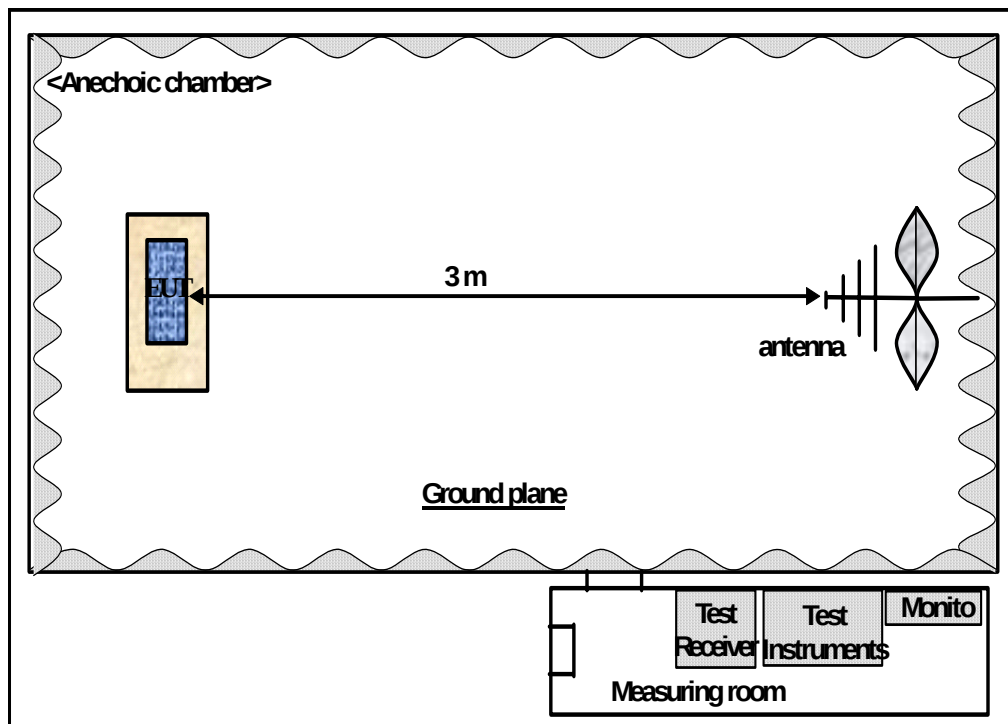
3.8.4. Sample Calculation

The emission level measured in decibels above one microvolt ($\text{dB}/\mu\text{V}$) was following sample calculation.

For example ;

Measured Value at 4802 MHz	55.1 $\text{dB}/\mu\text{V}$
Antenna Factor & Cable loss + Preamp	15.3 dB
- Duty Cycle Correction factor	- 22.0 dB
= Average	48.4 $\text{dB}/\mu\text{V}/\text{m}$

3.8.5. Photograph for the test configuration



3.8.6. Test Results

3.8.5.1 Spurious Radiated Emission

FCC ID : CMR24WATT
 Test distance : 3m
 Test mode : Transmitter – CH 0
 Date : March 03, 2009

Frequency MHz	Detector	Reading Level dBμV	Correction (AF+CL+AG) dB/m	Emission Level dBμV/m	Limit dBμV/m	Margin +/-
Antenna Polarization - Horizontal						
4802.11	P	55.1	15.3	70.4	74.0	3.6
4802.11	A	35.1	15.3	50.4	54.0	3.6
Antenna Polarization – Vertical						
4802.11	P	55.8	15.3	71.1	74.0	2.9
4802.11	A	35.8	15.3	51.1	54.0	2.9

- Note :**
1. Measurement was done over the frequency range from 30 MHz to 10th harmonic. The EUT was rotated and the antenna was changed to a range of height of from 1 m to 4 m above the ground plane for maximum response.
 2. The observed EMI Receiver (ESIB26) noise floor level was 2.0 dBμV. And all other emissions not reported on data were more than 40 dB below the permitted level.
 3. SurroundBar and Subwoofer were connected and tested together.

* D.M. : Detect Mode (P : Peak, Q : Quasi-Peak, A : Average)
 A.F. : Antenna Factor
 C.L. : Cable Loss
 A.G. : Amplifier Gain

Remark : Emission level (dBμV/m) = Reading level (dBμV) + Correction (dB/m) + Amplifier Gain (dB)
 Margin (dB) = Limit (dBμV/m) – Emission level (dBμV/m)
 The “+” sign of the margin means that emission level are within the limit and the “-” sign means over the limit.

3.8.5.2 Spurious Radiated Emission

FCC ID : CMR24WATT
 Test distance : 3m
 Test mode : Transmitter – CH 47
 Date : March 03, 2009

Frequency MHz	Detector	Reading Level dBμV	Correction (AF+CL+AG) dB/m	Emission Level dBμV/m	Limit dBμV/m	Margin +/-
Antenna Polarization - Horizontal						
4883.33	P	56.8	15.7	72.5	74.0	1.5
4883.33	A	36.8	15.7	52.5	54.0	1.5
Antenna Polarization – Vertical						
4883.33	P	57.3	15.7	73.0	74.0	1.0
4883.33	A	37.3	15.7	53.0	54.0	1.0

Note : 1. Measurement was done over the frequency range from 30 MHz to 1000 MHz. The EUT was rotated and the antenna was changed to a range of height of from 1 m to 4 m above the ground plane for maximum response.
 2. The observed EMI Receiver (ESIB26) noise floor level was 2.0 dBμV. And all other emissions not reported on data were more than 40 dB below the permitted level.

* D.M. : Detect Mode (P : Peak, Q : Quasi-Peak, A : Average)
 Antenna Polarization (H : Horizontal, V : Vertical)
 A.F. : Antenna Factor
 C.L. : Cable Loss
 A.G. : Amplifier Gain

Remark : Emission level (dBμV/m) = Reading level (dBμV) + Correction (dB/m) + Amplifier Gain (dB)
 Margin (dB) = Limit (dBμV/m) – Emission level (dBμV/m)
 The “+” sign of the margin means that emission level are within the limit and the “-” sign means over the limit.

3.8.5.3 Spurious Radiated Emission

FCC ID : CMR24WATT
 Test distance : 3m
 Test mode : Transmitter – CH 94
 Date : March 03, 2009

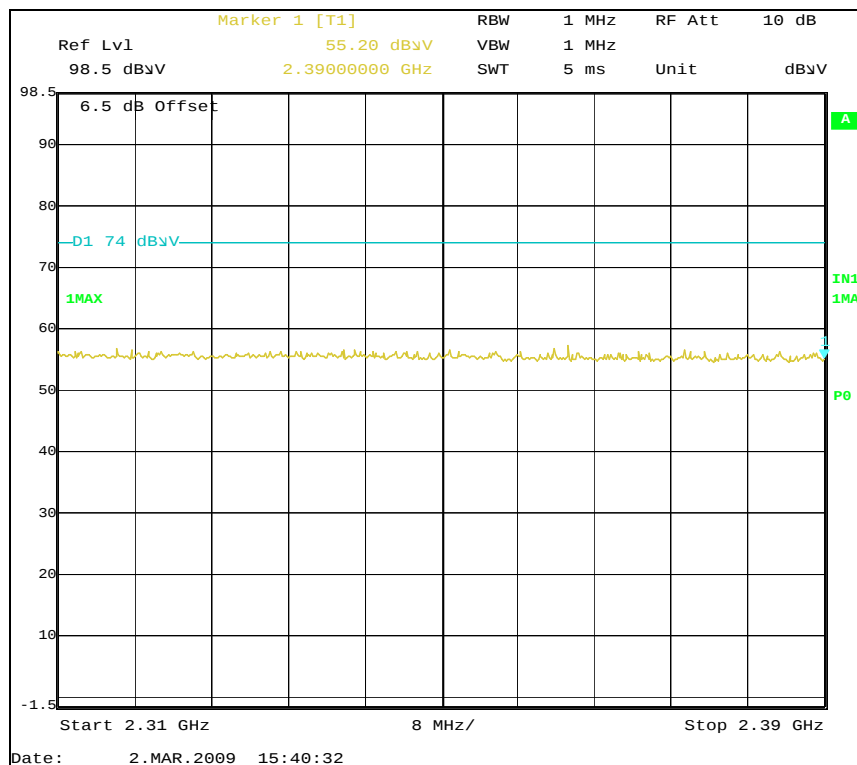
Frequency MHz	Detector	Reading Level dBμV	Correction (AF+CL+AG) dB/m	Emission Level dBμV/m	Limit dBμV/m	Margin +/-
Antenna Polarization - Horizontal						
4964.54	P	57.0	15.4	72.4	74.0	1.6
4964.54	A	37.0	15.4	52.4	54.0	1.6
Antenna Polarization – Vertical						
4964.54	P	57.6	15.4	73.0	74.0	1.0
4964.54	A	37.6	15.4	53.0	54.0	1.0

Note : 1. Measurement was done over the frequency range from 30 MHz to 1000 MHz. The EUT was rotated and the antenna was changed to a range of height of from 1 m to 4 m above the ground plane for maximum response.
 2. The observed EMI Receiver (ESIB26) noise floor level was 2.0 dBμV. And all other emissions not reported on data were more than 40 dB below the permitted level.

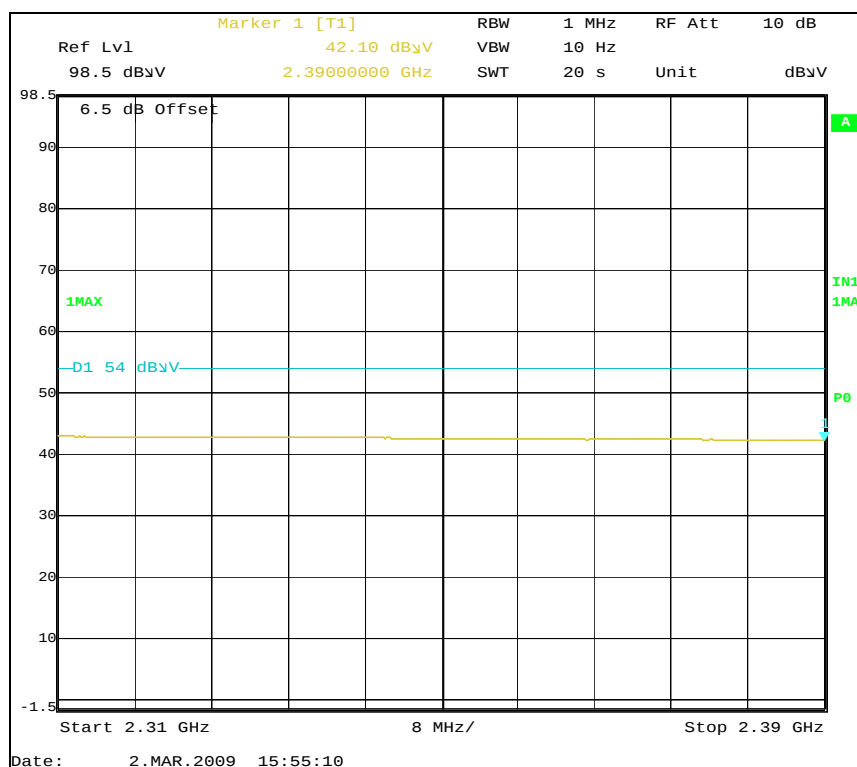
* D.M. : Detect Mode (P : Peak, Q : Quasi-Peak, A : Average)
 Antenna Polarization (H : Horizontal, V : Vertical)
 A.F. : Antenna Factor
 C.L. : Cable Loss
 A.G. : Amplifier Gain

Remark : Emission level (dBμV/m) = Reading level (dBμV) + Correction (dB/m) + Amplifier Gain (dB)
 Margin (dB) = Limit (dBμV/m) – Emission level (dBμV/m)
 The “+” sign of the margin means that emission level are within the limit and the “-” sign means over the limit.

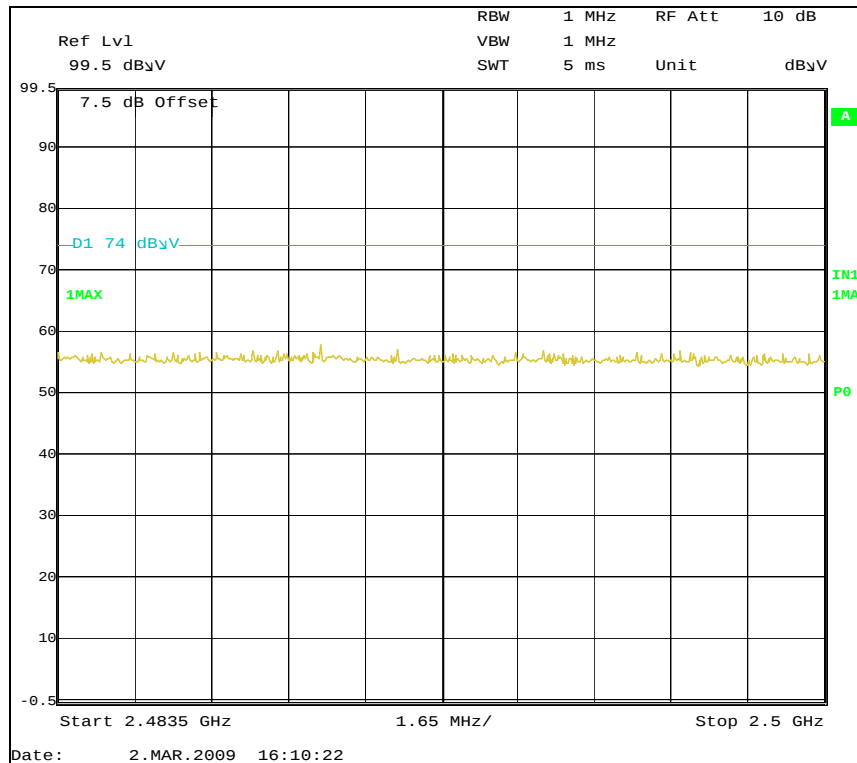
3.8.5.4 Restricted Bandedge



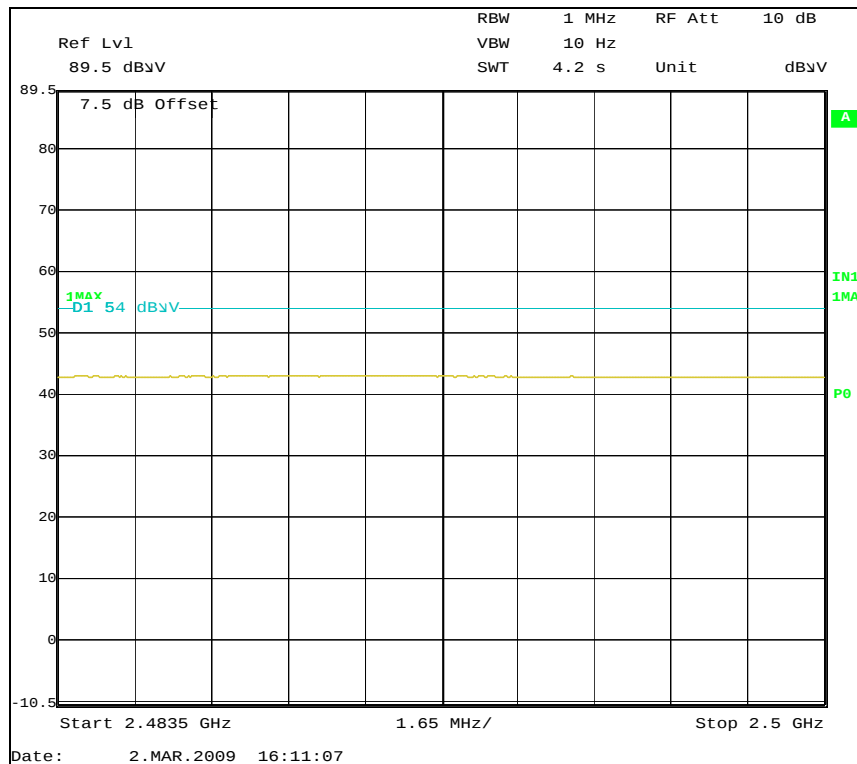
– Lower side band (peak) –



– Lower side band (average) –



– Lower side band (peak) –

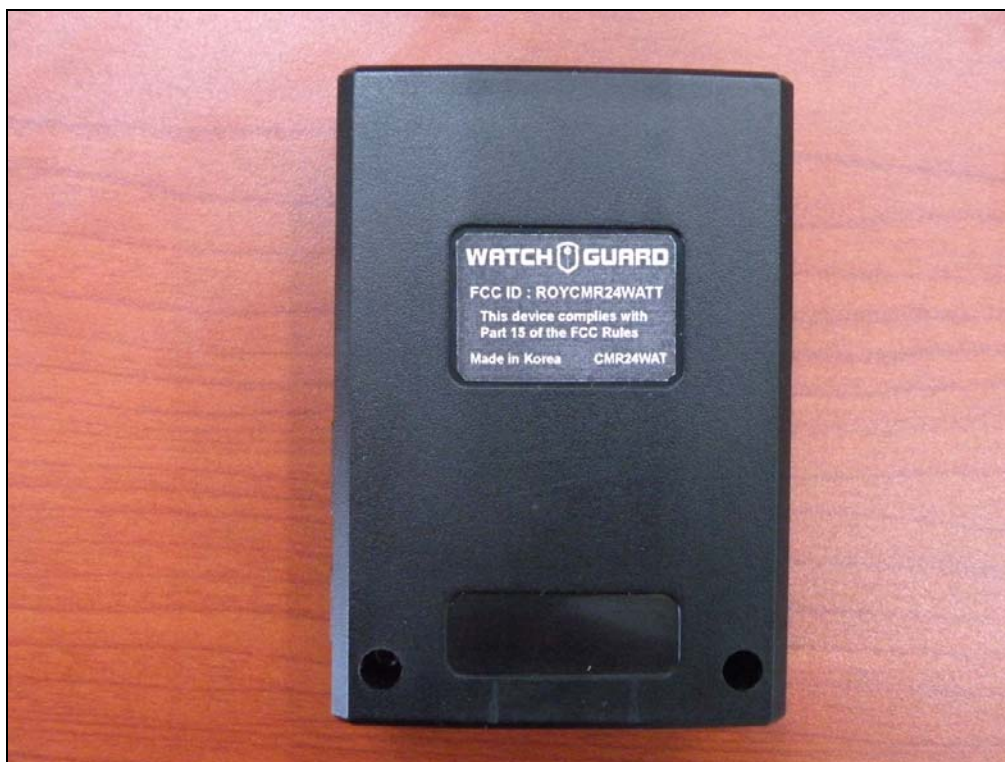


– Lower side band (average) –

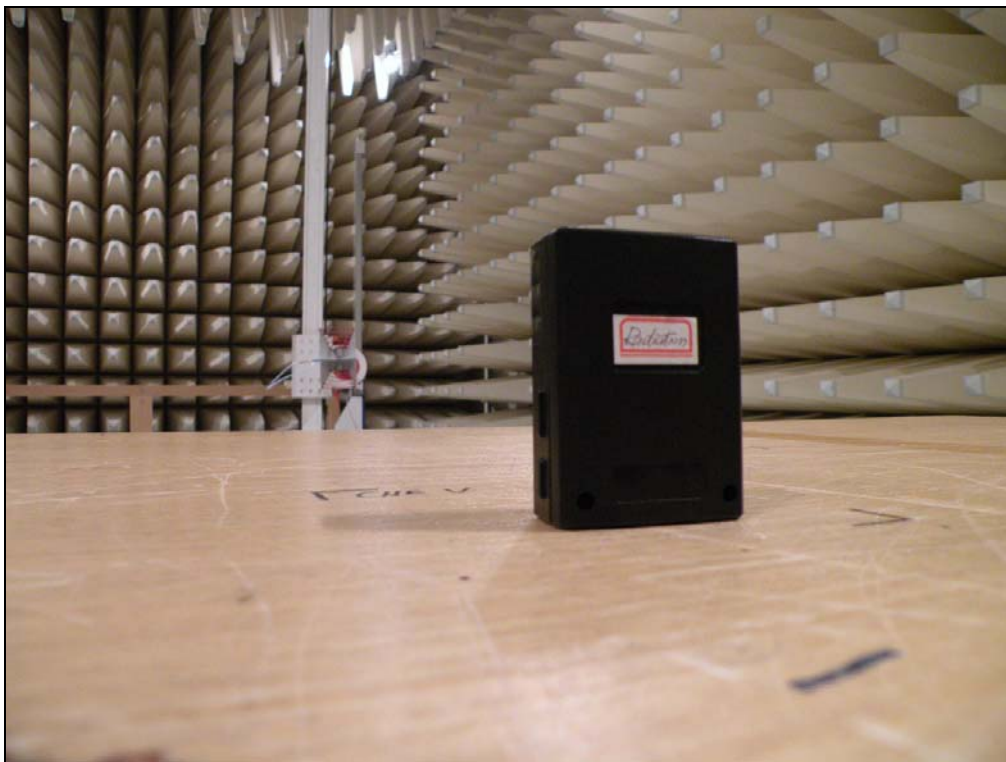
4. TEST EQUIPMENTS

No.	Equipment	Manufacturer	Model	S/N	Effective Cal.Duration
1	EMI Receiver (20 Hz ~ 26.5 GHz)	R&S	ESIB	100280	08/17/2008 ~ 08/17/2009
2	Spectrum Analyzer (100 Hz ~ 26.5 GHz)	Agilent	E4407B	US41443316	12/01/2008 ~ 12/01/2009
3	Spectrum Analyzer (3 Hz ~ 50 GHz)	Agilent	E4448A	MY43360322	08/30/2008 ~ 08/30/2009
4	Pre-Amplifier (100 kHz ~ 1 GHz)	SONOMA.	310N	186270	08/25/2008 ~ 08/25/2009
5	Pre-Amplifier (0.5 GHz ~ 26.5 GHz)	Agilent	83017A	MY39500982	04/02/2008 ~ 04/02/2009
6	LISN(50 Ω , 50 μ H) (10 kHz ~ 100 MHz)	R&S	ESH3-Z5	826789009	07/05/2008 ~ 07/05/2009
7	Biconi-Log Ant. (30 MHz ~ 1000 MHz)	Schwarzbeck	VULB9168	9168-180	08/24/2008 ~ 08/24/2009
8	Horn Ant. (1 GHz ~ 18 GHz)	EMCO	3115	9012-3595	03/26/2007 ~ 03/26/2009
9	Horn Ant. (18 GHz ~ 40 GHz)	EMCO	3116	2664	03/26/2007 ~ 03/26/2009
10	Active Loop Ant. (9 kHz ~ 30 MHz)	EMCO	6502	2532	06/08/2008 ~ 06/08/2009
11	DC Power Supply	Agilent	E4356A	MY41000296	10/01/2008 ~ 10/01/2009
12	Power Meter	Agilent	E4417A	GB4129075	09/17/2008 ~ 09/17/2009
13	Bluetooth tester	anrisu	MT8852B	6K00006994	03/03/2008 ~ 03/03/2009

Appendix.1 EUT photo



Appendix.2 Test setup photo



<Radiated Emission>