



Hong Kong

RF - TEST REPORT

Report Number : **68/760.8.068.01** Date of Issue: 15 Oct 2008

Model : **SB1120**

Product Type : 2.4GHz Digital Wireless Transceiver

Applicant : Creative Labs Inc

Address : 1901 McCarthy Blvd

: Milpitas, CA 95035

Production Facility : Concord Electronic (Huizhou) Factory

Address : 21, Ping'An Road, Longhu Industrial Zone, Longjin, Shuikou,

Huizhou, Guangdong, China

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including
Appendices : 58

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2 Details about the Test Laboratory

Details about the Test Laboratory

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Shenzhen,

Telephone: 755 2694 1599
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3 Description of the Equipment Under Test

Description of the Equipment Under Test

Product:	2.4GHz Digital Wireless Transceiver
Model no.:	SB1120
Serial number:	NIL
Options and accessories:	NIL
Rating:	DC 5V 1000mA AC Adaptor: Model: SW0510 Input: 100-240V~ 50-60Hz 0.3A 20VA Output: DC 5V 1000mA
Antenna:	Integral antenna inside enclosure of EUT, NOT accessible by end user
RF Transmission Frequency:	2400-2483.5MHz
Description of the EUT:	The EUT Consists 2 transmitter modules 79 and 80, and 2 antennas (A &B) for each transmitter. Only one transmitter and one antenna will operate simultaneously.

4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
FCC Part 15 Subpart B	PART 15 - RADIO FREQUENCY DEVICES Subpart B - Unintentional Radiators

5 Summary of Test Results

Technical Requirements				
FCC Part 15 Subpart C				
Test Condition	Pages	Test Result		
		Pass	Fail	N/A
15.107 15.207 Conducted Emission AC Power Port	8	☒	☐	☐
15.247 (b) (1) Conducted peak output power	12	☒	☐	☐
15.247(d) Band edge compliance of RF emissions	14	☒	☐	☐
15.247(d) Spurious RF conducted emissions	25	☒	☐	☐
15.247(d) 15.209 15.109 Spurious radiated emissions	32	☒	☐	☐
15.247(a)(2) 6dB bandwidth	37	☒	☐	☐
15.247(e) Power spectral density	45	☒	☐	☐



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6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: IBAAVPSB1120 filing to comply with Section 15.207, 15.209, 15.247 of the FCC Part 15, Subpart C Rules.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: Aug 27 2008

Testing Start Date: Aug 29 2008

Testing End Date: 7 Oct 2008

- TÜV SÜD HONG KONG LTD. -

Reviewed by:

Paul Yu
EMC Project Manager

Prepared by:

Louis Lin
EMC Assistant Project Manager

7 Technical Requirement

7.1 Conducted Emission

Test Method

- 1 The EUT was placed on a table, which is 0.8m above ground plane
- 2 The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
- 3 Maximum procedure was performed to ensure EUT compliance
- 4 A EMI test receiver (R&S Test Receiver ESCS30) is used to test the emissions from both sides of AC line

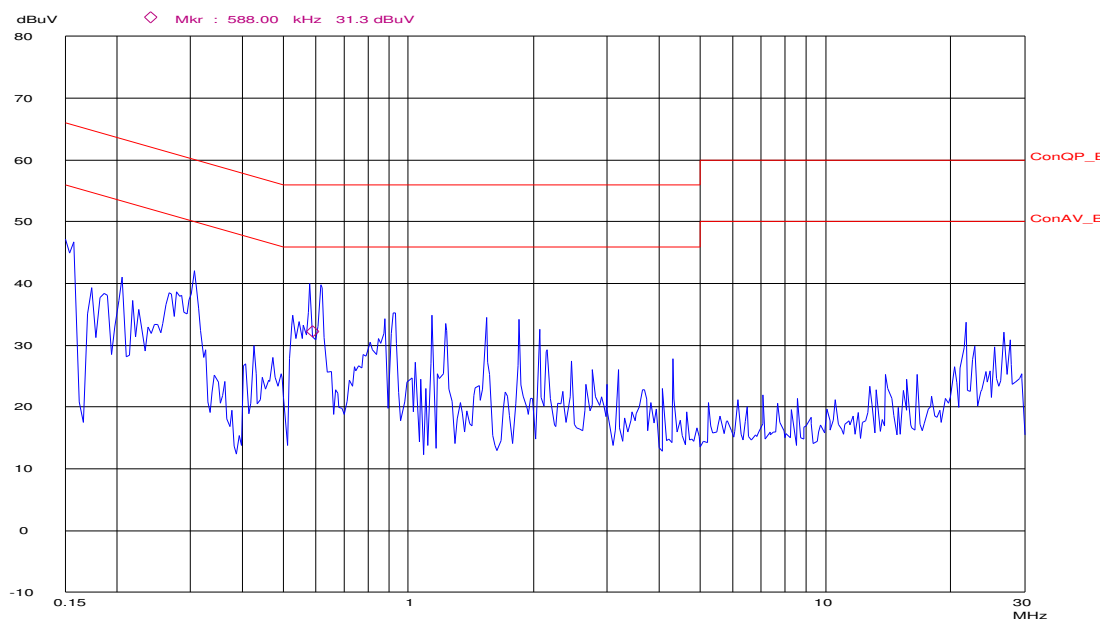
Limit

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linearly with logarithm of the frequency

Conducted Disturbance

EUT: M/N:SB1120
Op Cond: TX
Test Spec: L
Comment: AC 120V/60Hz



Frequency MHz	Cable Loss dB	Reading dBμV	QP Test result dBμV	QP Limit dBμV	Margin dB
0.150	9.8	28.4	38.2	66	27.8
0.303	9.8	28.5	38.3	60.1	21.8
0.586	9.9	21.5	31.4	56	24.6

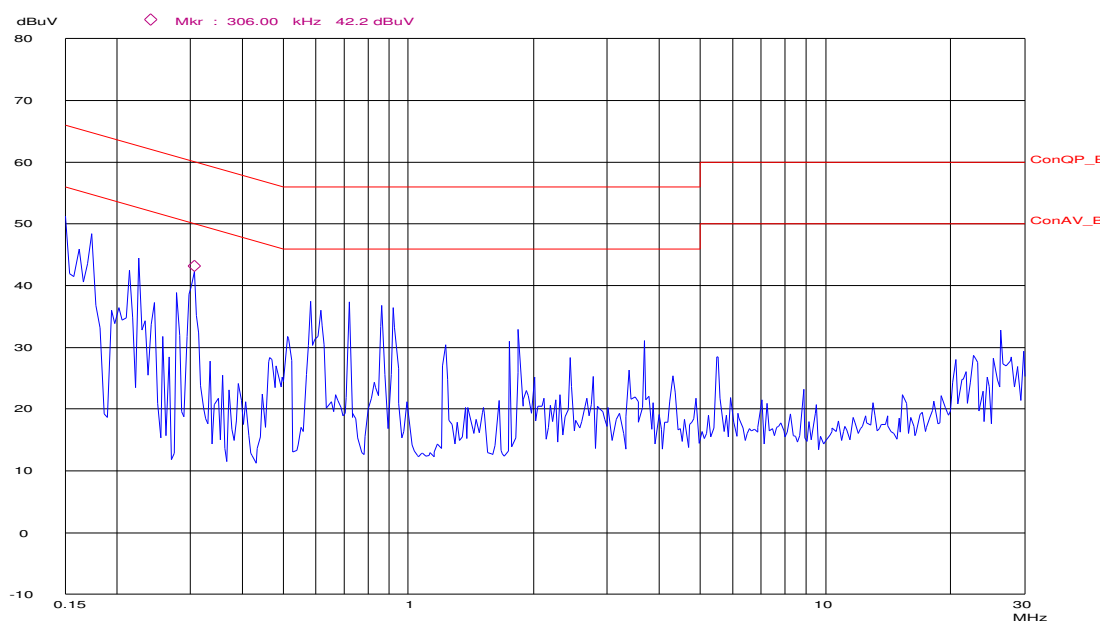
Frequency MHz	Cable Loss dB	Reading dBμV	AV Test result dBμV	AV Limit dBμV	Margin dB
0.150	9.8	-0.3	9.5	56	46.5
0.303	9.8	17.6	27.4	50.1	22.7
0.586	9.9	4.3	14.2	46	31.8

Remark: Test Result= Reading + Cable Loss

Conducted Emission

Conducted Disturbance

EUT: M/N:SB1120
Op Cond: TX
Test Spec: N
Comment: AC 120V/60Hz



Frequency MHz	Cable Loss dB	Reading dBμV	QP Test result dBμV	QP Limit dBμV	Margin dB
0.150	9.8	27.1	36.9	66	29.1
0.177	9.8	23.0	32.8	64.6	31.8
0.306	9.8	29.0	38.8	60.0	21.2

Frequency MHz	Cable Loss dB	Reading dBμV	AV Test result dBμV	AV Limit dBμV	Margin dB
0.150	9.8	-0.5	9.3	56	46.7
0.177	9.8	-2.4	7.4	54.6	47.2
0.306	9.8	22.1	31.9	50.0	18.1

Remark: Test Result= Reading + Cable Loss

Test Equipment List

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
EMI Test Receiver	Rohde & Schwarz	ESCS30	100003
AMN	Rohde & Schwarz	ESH3-Z5	100229
AMN	Rohde & Schwarz	ENV216	100042

7.2 Conducted peak output power

Test Method

The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the peak power detection.

Limits for conducted peak output power measurements

Frequency Range MHz	Limit W	Limit dBm
2400-2483	≤1	≤30

Conducted peak output power

Module 79 Antenna A Test Result

Frequency MHz	Conducted Peak Output Power dBm	Result
CH1 2412MHz	15.87	Pass
CH2 2438MHz	15.31	Pass
CH3 2464MHz	14.86	Pass

Module 79 Antenna B Test Result

Frequency MHz	Conducted Peak Output Power dBm	Result
CH1 2412MHz	15.75	Pass
CH2 2438MHz	15.22	Pass
CH3 2464MHz	14.79	Pass

Module 80 Antenna A Test Result

Frequency MHz	Conducted Peak Output Power dBm	Result
CH1 2412MHz	15.99	Pass
CH2 2438MHz	15.46	Pass
CH3 2464MHz	14.91	Pass



Hong Kong

Test Equipment

Maximum transmit power Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
EMI Test Receiver	Rohde & Schwarz	ESPI3	100244

7.3 Band edge compliance of RF emissions

Test Method

The band edge compliance of RF radiated emission should be measured by following the guidance in ANSI C63.4 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW and VBW to 1MHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength.

The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW and VBW to 100kHz, to measure the conducted peak band edge.

Limits

According to §15.247(d), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see Section 15.205(c)).

Frequency MHz	Limit Average dBuV/m	Limit Peak dBuV/m
Below 2390 Above 2483.5	54	74

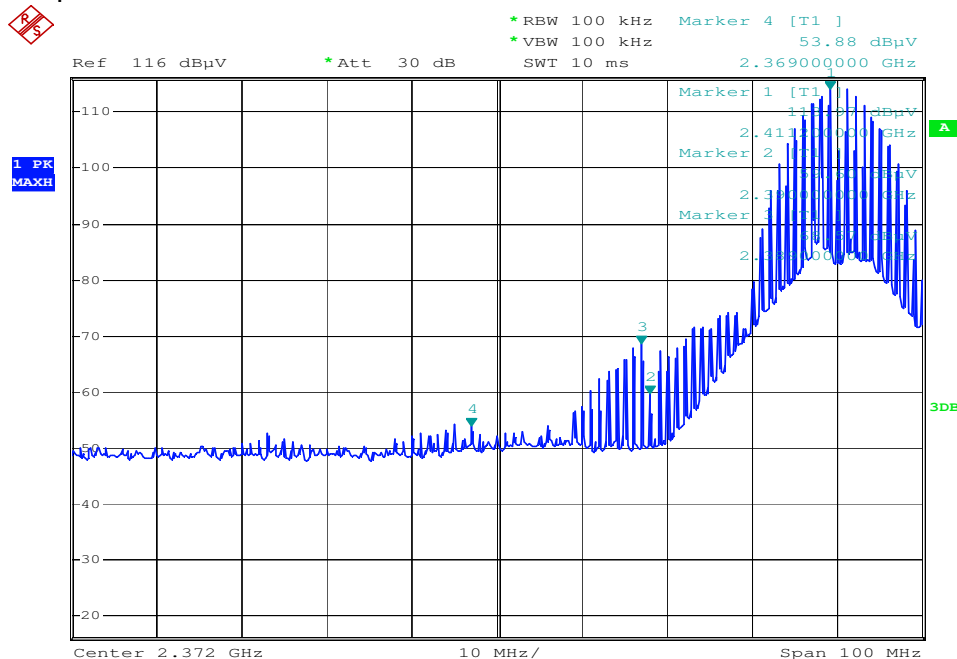
Band edge compliance of RF emissions

Module 79 Antenna A Test Result

Carrier Field strength

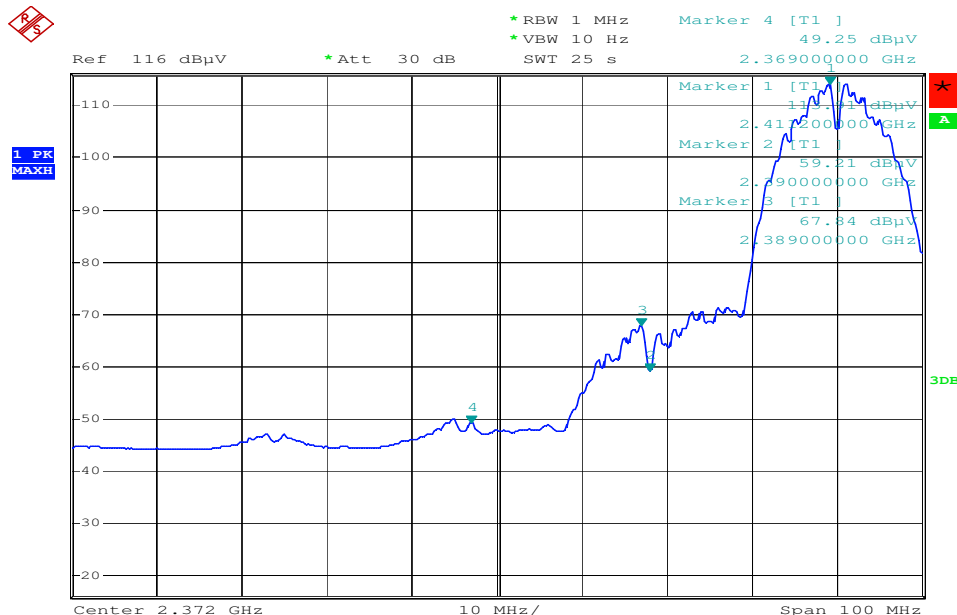
Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
2412.000	5.6	28.5	62.9	89.1	Vertical	---	PK	---
2412.000	5.6	28.5	56.7	84.2	Vertical	---	AV	---
2412.000	5.6	28.5	62.0	89.9	Horizontal	---	PK	---
2412.000	5.6	28.5	55.4	85.0	Horizontal	---	AV	---
2464.000	5.6	28.5	59.4	89.6	Vertical	---	PK	---
2464.000	5.6	28.5	54.8	84.5	Vertical	---	AV	---
2464.000	5.6	28.5	61.1	86.0	Horizontal	---	PK	---
2464.000	5.6	28.5	54.9	81.2	Horizontal	---	AV	---

Lower Edge PK plot



Date: 16.OCT.2008 00:39:36

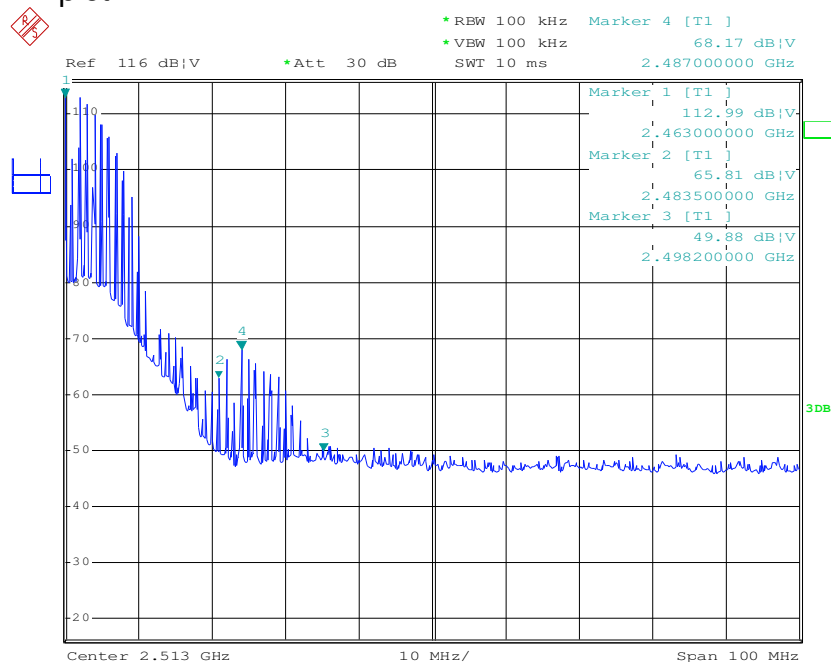
AV Plot



Date: 16.OCT.2008 00:42:13

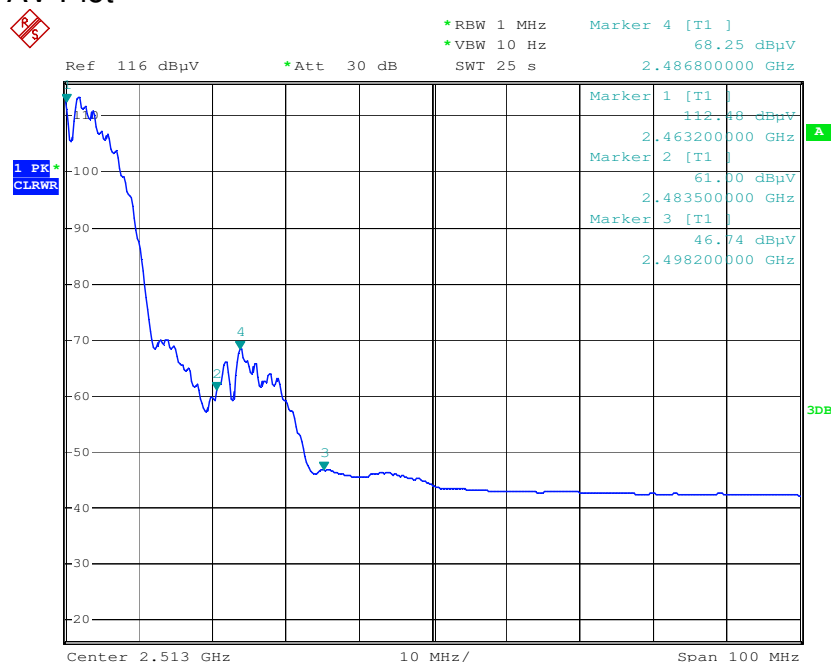
Max carrier field strength PK 89.9dBuV/m, AV 85.0dBuV/m
 At 2.390GHz, the deviation of PK plot is 54.47dB, AV plot is 54.70dB
 The field strength at 2.390GHz PK 35.43dBuV/m, AV 30.3dBuV/m
 Which fulfills the requirement of PK 74dBuV/m and AV 54dBuV/m

Upper Edge PK plot



Date: 16.OCT.2008 00:38:12

AV Plot



Date: 16.OCT.2008 00:34:28

Max carrier field strength PK 89.6dB μ V/m, AV 84.5dB μ V/m
At 2.4835GHz, the deviation of PK plot is 47.17dB, AV plot is 51.48dB
The field strength at 2.4835GHz PK 42.43dB μ V/m, AV 33.02dB μ V/m
Which fulfills the requirement of PK 74dB μ V/m and AV 54dB μ V/m

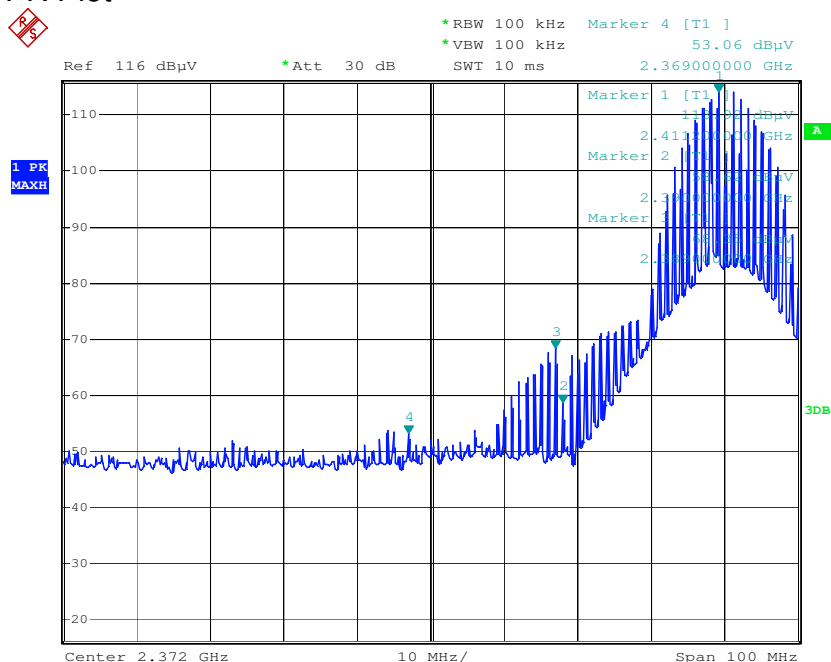
Band edge compliance of RF emissions

Module 79 Antenna B Test Result

Carrier Field strength

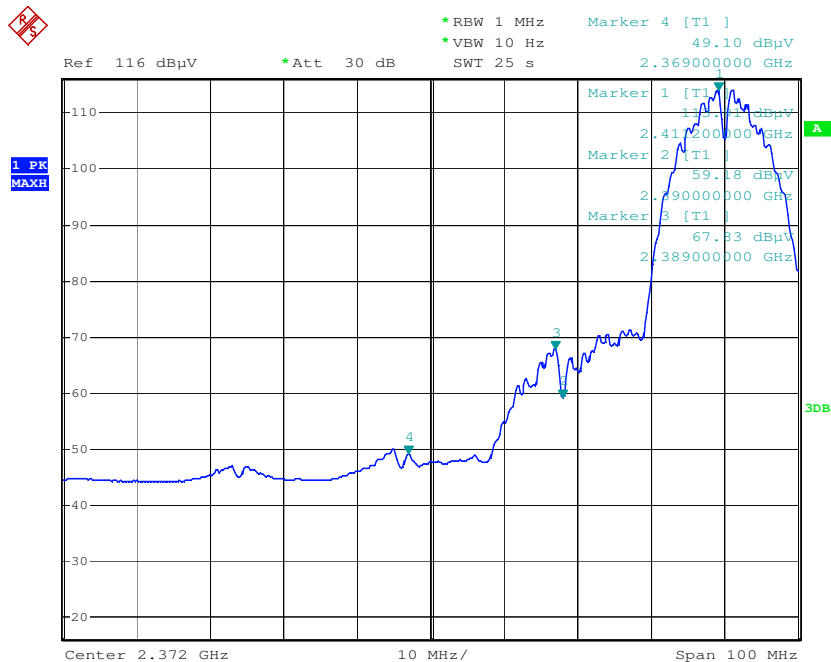
Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
2412.000	5.6	28.5	56.8	90.9	Vertical	---	PK	---
2412.000	5.6	28.5	51.8	85.9	Vertical	---	AV	---
2412.000	5.6	28.5	54.5	88.6	Horizontal	---	PK	---
2412.000	5.6	28.5	49.7	83.8	Horizontal	---	AV	---
2464.000	5.6	28.5	54.5	88.6	Vertical	---	PK	---
2464.000	5.6	28.5	49.6	83.7	Vertical	---	AV	---
2464.000	5.6	28.5	51.8	85.9	Horizontal	---	PK	---
2464.000	5.6	28.5	46.7	80.8	Horizontal	---	AV	---

Lower Edge PK Plot



Date: 16.OCT.2008 00:40:11

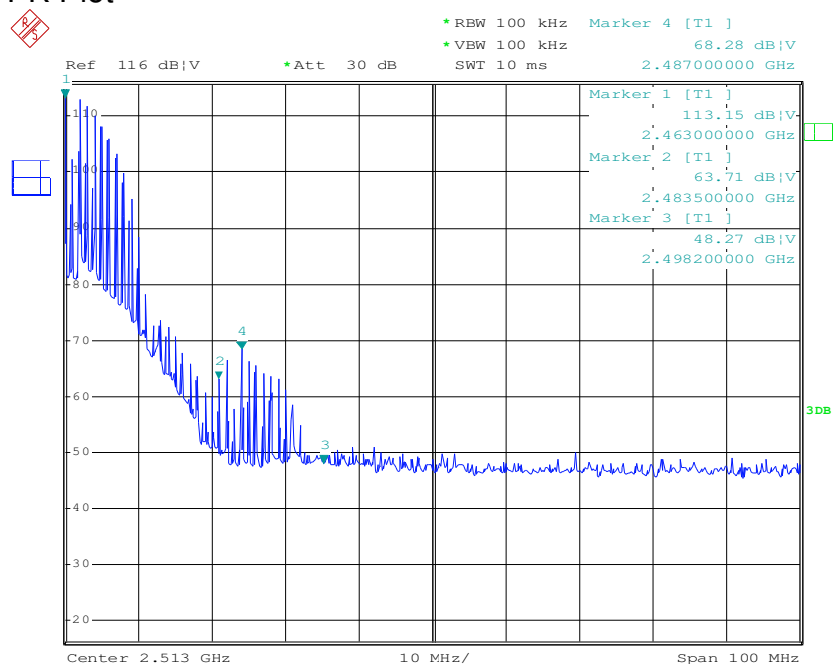
AV Plot



Date: 16.OCT.2008 00:41:03

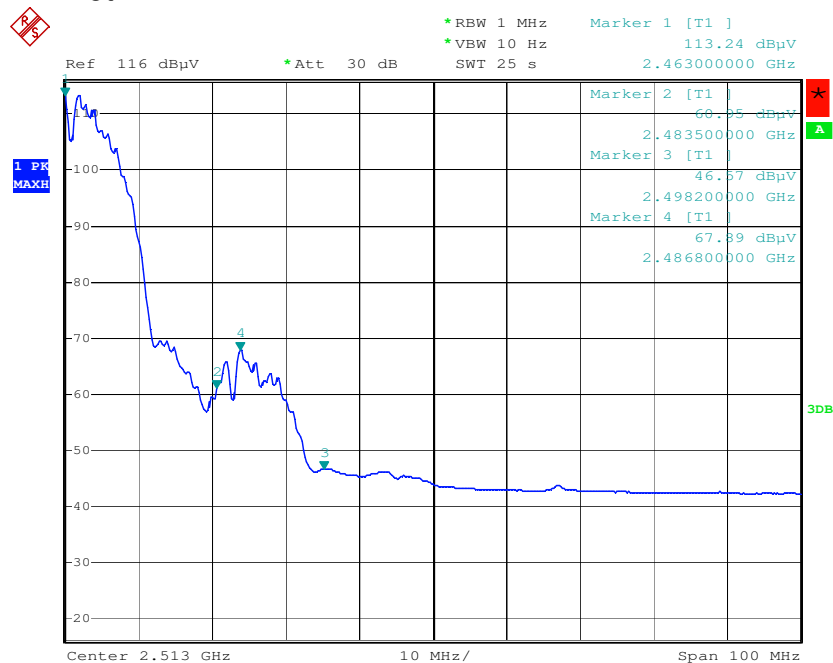
Max carrier field strength PK 90.9dBuV/m, AV 85.9dBuV/m
At 2.390GHz, the deviation of PK plot is 55.30dB, AV plot is 54.73dB
The field strength at 2.390GHz PK 45.6dBuV/m, AV 31.17dBuV/m
Which fulfill the requirement of PK 74dBuV/m and AV 54dBuV/m

Upper Edge PK Plot



Date: 16.OCT.2008 00:37:23

AV Plot



Date: 16.OCT.2008 00:35:35

Max carrier field strength PK 88.6dB μ V/m, AV 83.7dB μ V/m
At 2.4835GHz, the deviation of PK plot is 49.44dB, AV plot is 52.29dB
The field strength at 2.4835GHz PK 38.16dB μ V/m, AV 31.41dB μ V/m
Which fulfill the requirement of PK 74dB μ V/m and AV 54dB μ V/m

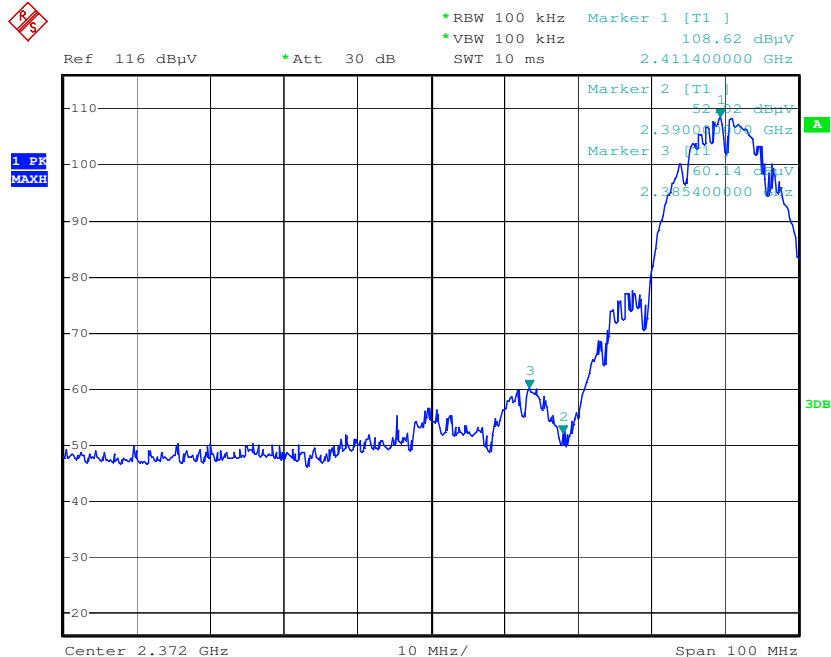
Band edge compliance of RF emissions

Module 80 Antenna A Test Result

Carrier Field strength

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
2412.000	5.6	28.5	62.9	97.0	Vertical	---	PK	---
2412.000	5.6	28.5	56.7	90.8	Vertical	---	AV	---
2412.000	5.6	28.5	62.0	96.1	Horizontal	---	PK	---
2412.000	5.6	28.5	55.4	89.5	Horizontal	---	AV	---
2464.000	5.6	28.5	59.4	93.5	Vertical	---	PK	---
2464.000	5.6	28.5	54.8	88.9	Vertical	---	AV	---
2464.000	5.6	28.5	61.1	95.2	Horizontal	---	PK	---
2464.000	5.6	28.5	54.9	89.0	Horizontal	---	AV	---

Lower Edge PK Plot



Date: 16.OCT.2008 00:23:58

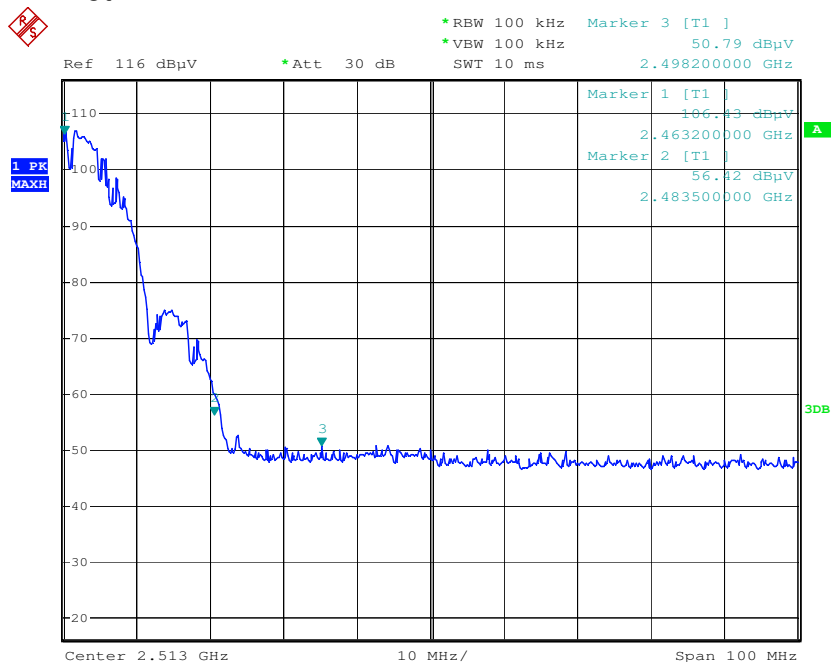
AV Plot



Date: 16.OCT.2008 00:26:05

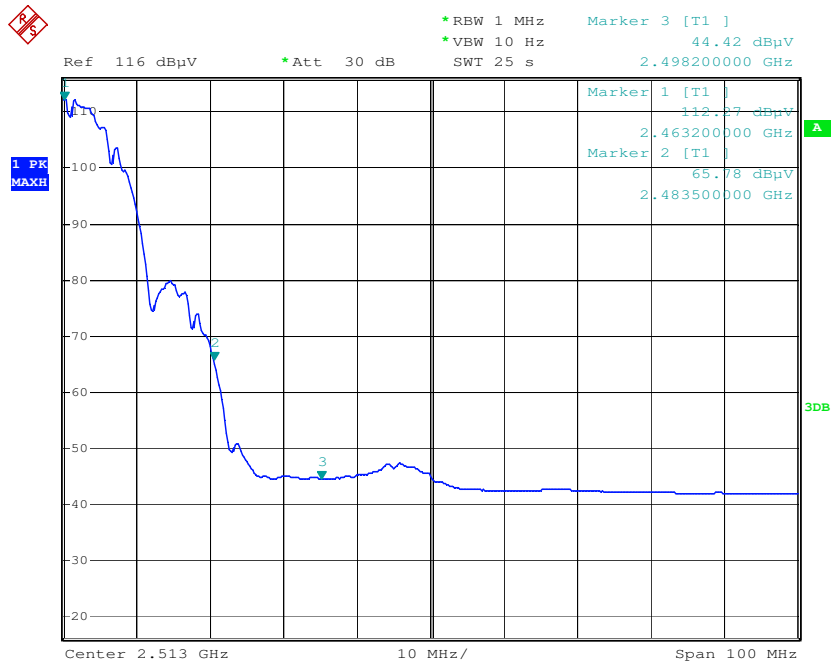
Max carrier field strength PK 97.0dBuV/m, AV 90.8dBuV/m
 At 2.390GHz, the deviation of PK plot is 55.70dB, AV plot is 62.04dB
 The field strength at 2.390GHz PK 41.30dBuV/m, AV 28.76dBuV/m
 Which fulfills the requirement of PK 74dBuV/m and AV 54dBuV/m

Upper Edge PK Plot



Date: 16.OCT.2008 00:31:06

AV Plot



Date: 16.OCT.2008 00:32:09

Max carrier field strength PK 95.0dBuV/m, AV 89.0dBuV/m
 At 2.4835GHz, the deviation of PK plot is 50.01dB, AV plot is 46.49dB
 The field strength at 2.4835GHz PK 44.99dBuV/m, AV 42.51dBuV/m
 Which fulfill the requirement of PK 74dBuV/m and AV 54dBuV/m

Test Equipment List

Band edge compliance of RF emissions

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
EMI Test Receiver	Rohde & Schwarz	ESL26	838786/013
Horn Antenna	Rohde & Schwarz	HF906	100013
3m Semi-anechoic chamber	Albatross Projects	9X6X6	----

7.4 Spurious RF conducted emissions

Test Method

The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the peak power detection.

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

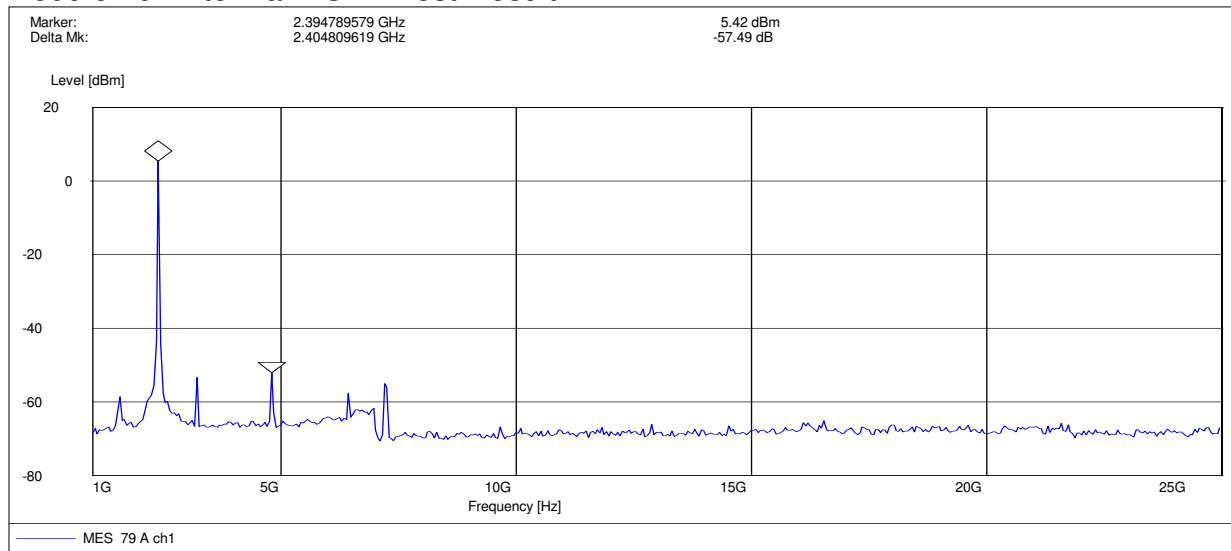
The resolution bandwidth(RBW) and the video bandwidth (VBW) of the spectrum analyzer were respectively set to 100kHz and 300kHz.

Limit

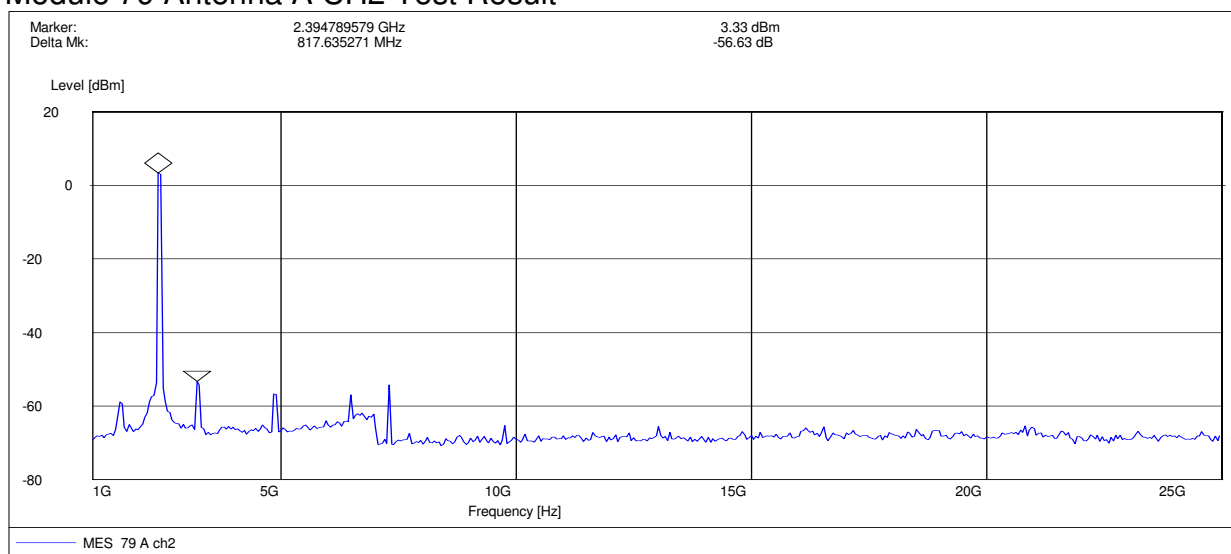
Frequency Range MHz	Limit (dBc)
1000-25000	-20

Spurious RF conducted emissions

Module 79 Antenna A CH1 Test Result

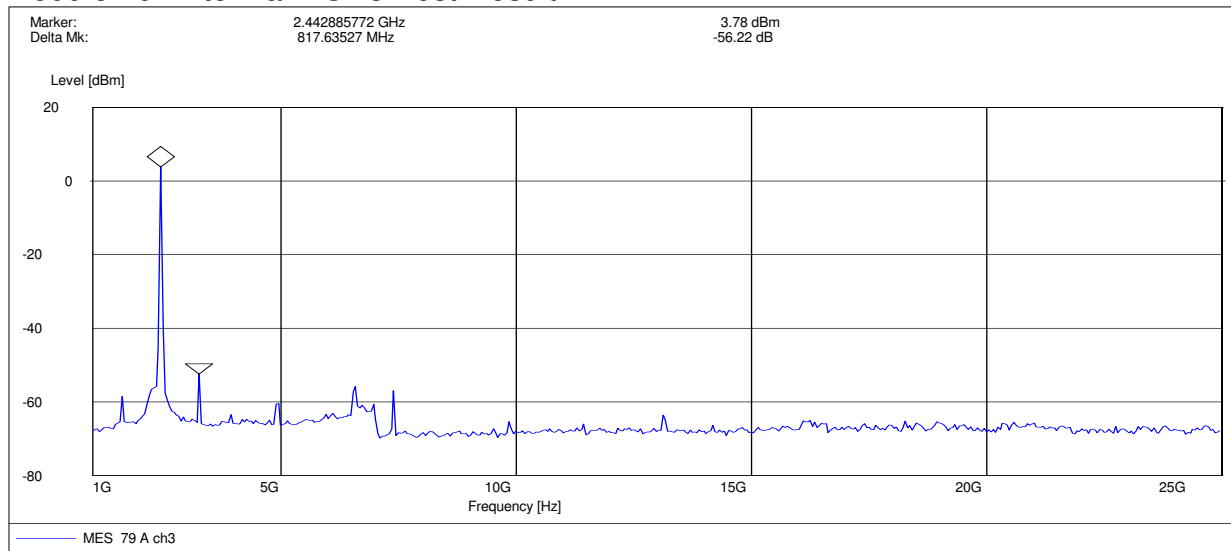


Module 79 Antenna A CH2 Test Result

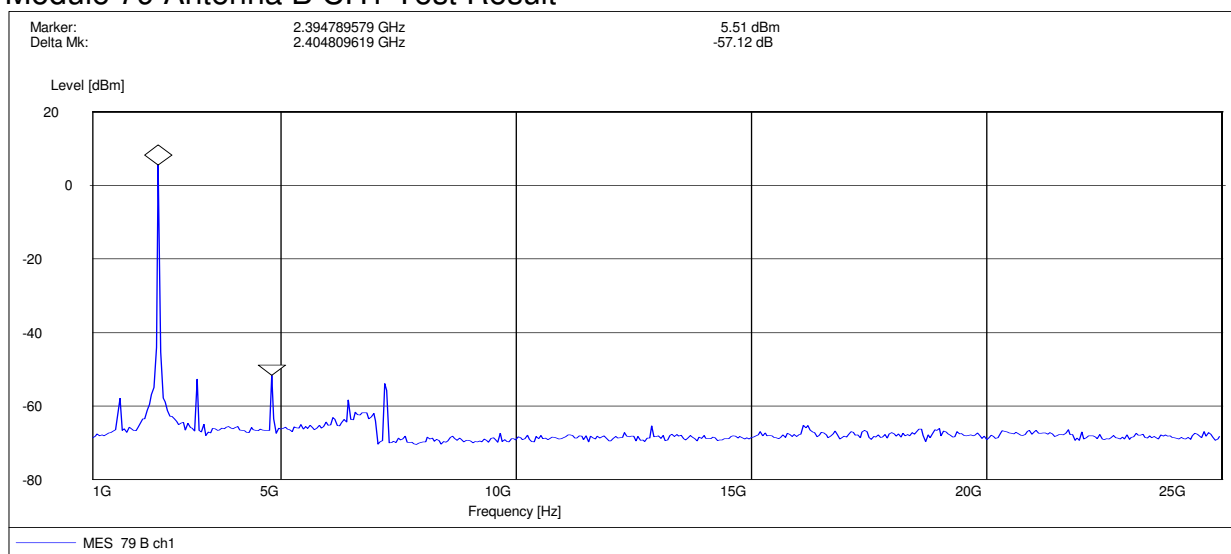


Spurious RF conducted emissions

Module 79 Antenna A CH3 Test Result

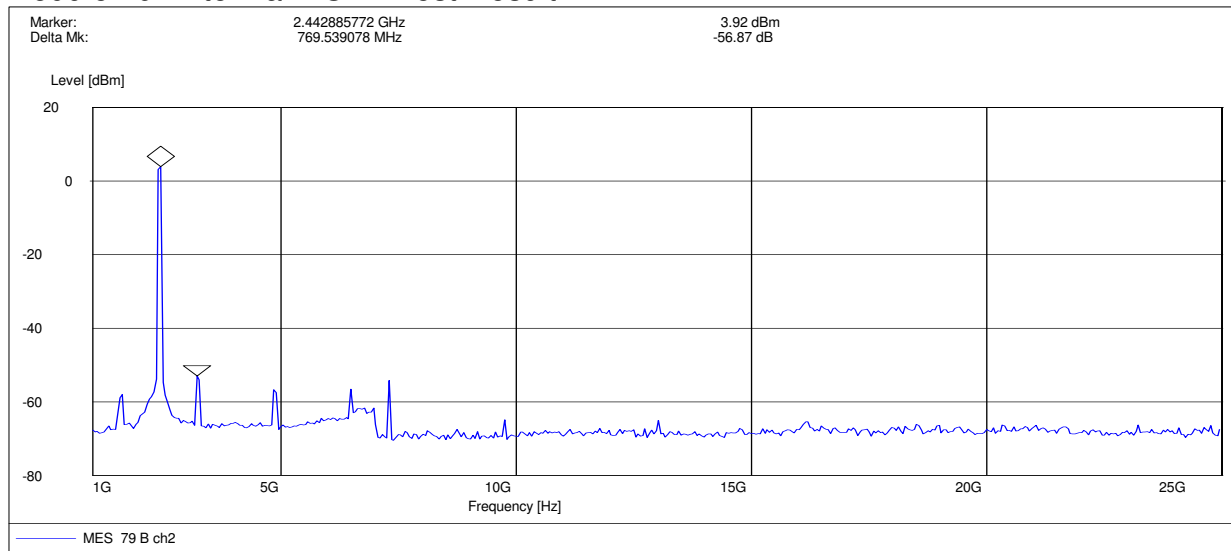


Module 79 Antenna B CH1 Test Result

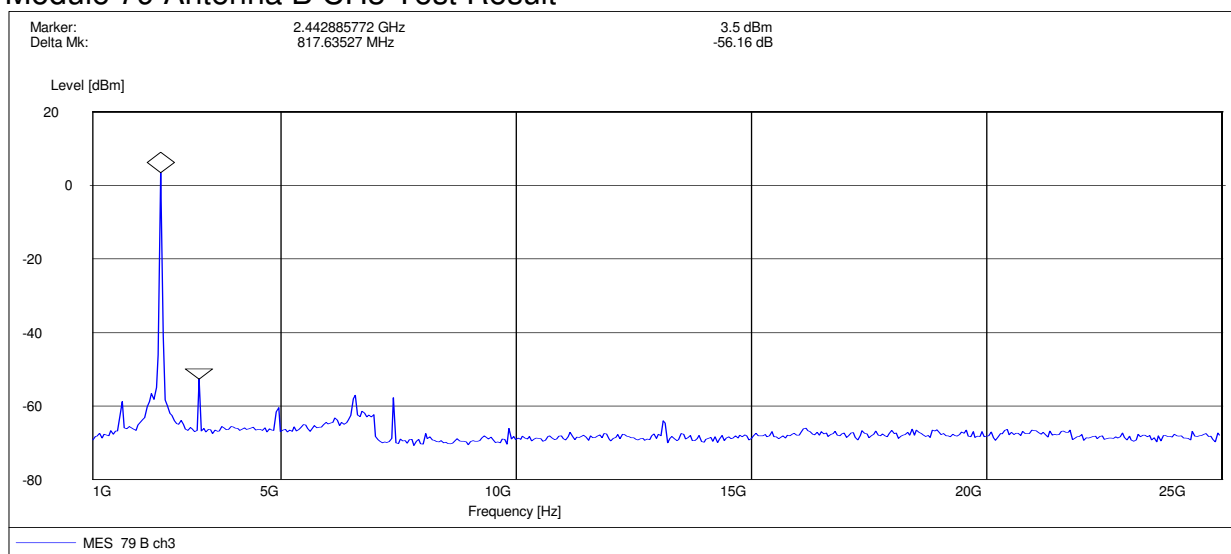


Spurious RF conducted emissions

Module 79 Antenna B CH2 Test Result

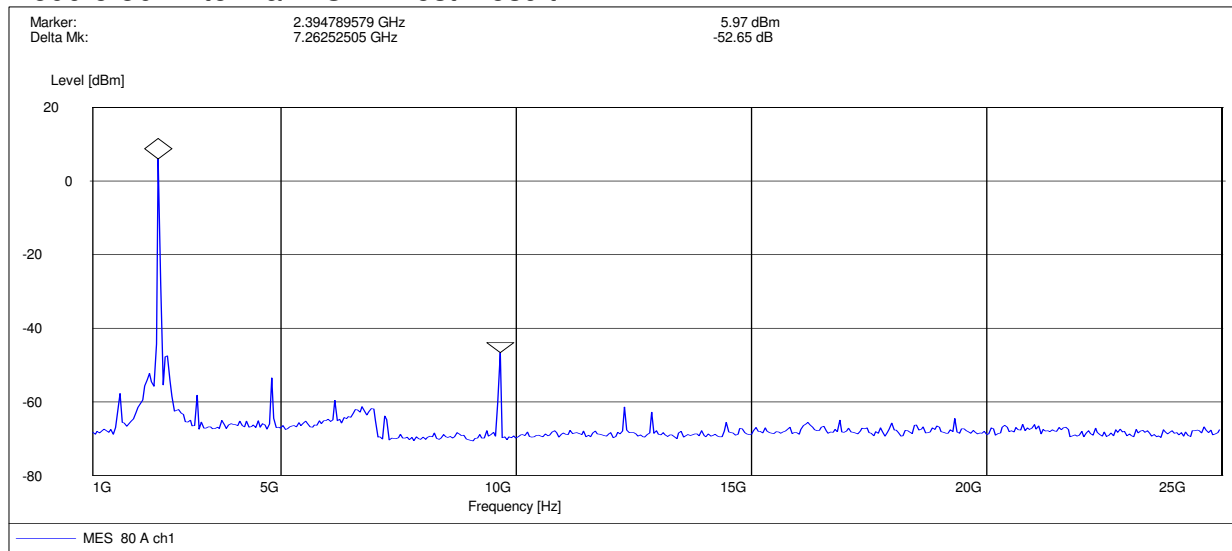


Module 79 Antenna B CH3 Test Result

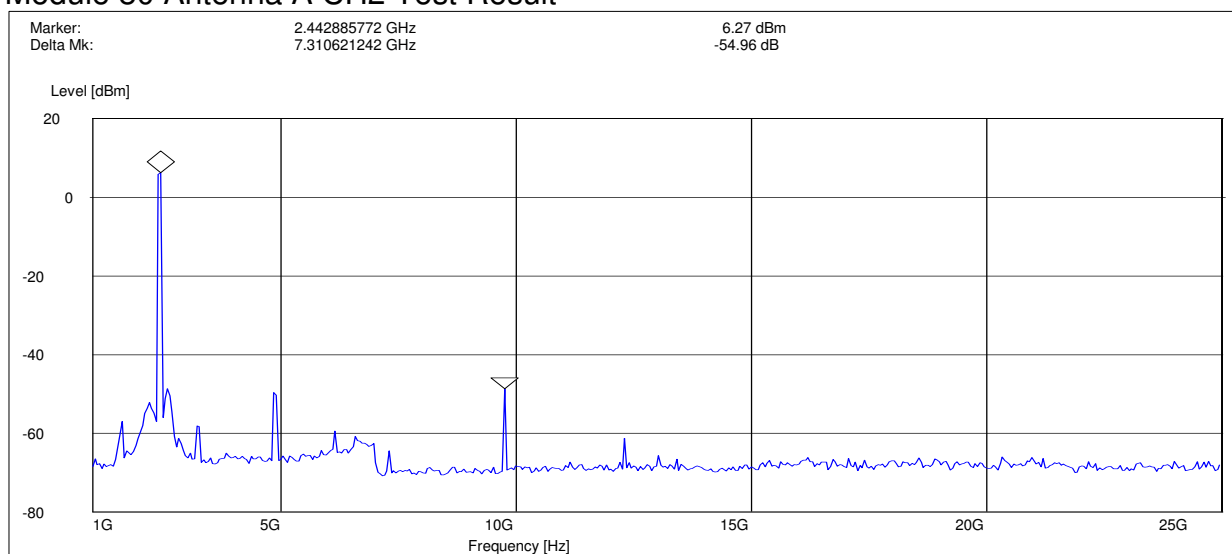


Spurious RF conducted emissions

Module 80 Antenna A CH1 Test Result

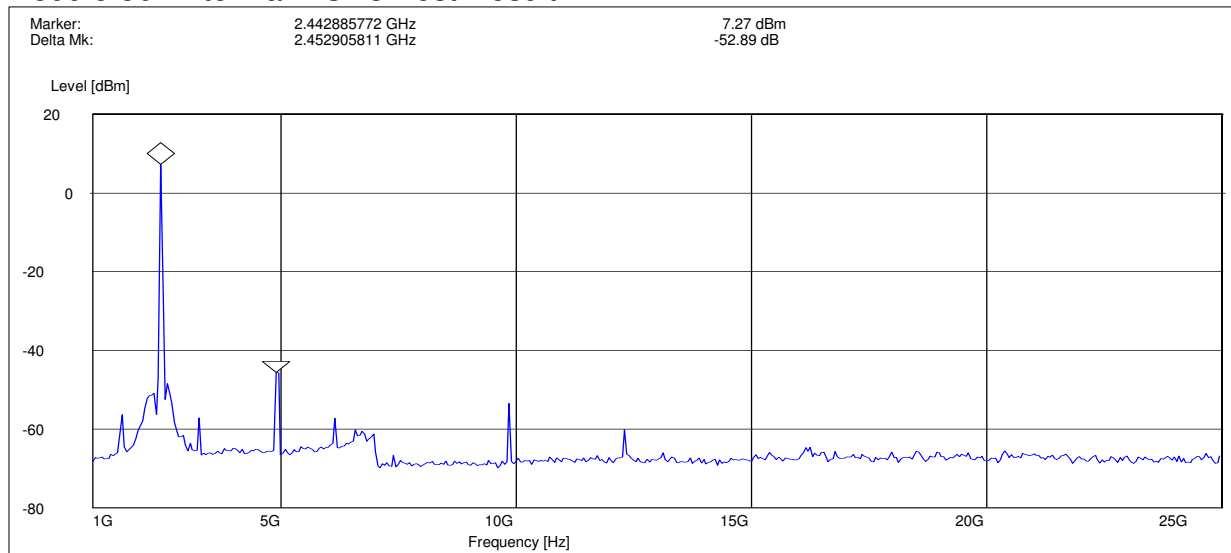


Module 80 Antenna A CH2 Test Result



Spurious RF conducted emissions

Module 80 Antenna A CH3 Test Result





Hong Kong

Test Equipment List

Spurious Emissions Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
EMI Test Receiver	Rohde & Schwarz	ESl26	838786/013

7.5 Spurious radiated emissions

Test Method

- 1 The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2 The turntable shall be rotated for 360 degrees to determine the position of maximum emission level
- 3 EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4 Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5 each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Limit

Frequency MHz	Field Strength uV/m	Field Strength dB μ V/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

Radiated Emission

Module 79 Antenna A CH1 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
32.063	0.9	17.6	12.2	30.7	Vertical	40	QP	Pass
3210.420	3.4	31.4	9.3	44.1	Vertical	54	PK	Pass
4820.000	3.8	33.3	10.3	47.4	Vertical	54	PK	Pass

Module 79 Antenna A CH2 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
3240.480	3.4	31.4	-4.1	47.4	Vertical	54	PK	Pass
4876.000	3.8	33.3	7.0	49.9	Vertical	54	PK	Pass
6486.012	3.8	35.4	8.2	49.4	Vertical	54	PK	Pass

Module 79 Antenna A CH3 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
3270.480	3.4	31.4	11.5	46.3	Vertical	54	PK	Pass
4960.248	3.8	33.3	7.9	45.0	Vertical	54	PK	Pass
6577.154	3.8	36.0	8.6	48.4	Vertical	54	PK	Pass

Radiated Emission

Module 79 Antenna B CH1 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
32.074	0.9	17.6	12.7	31.2	Vertical	40	QP	Pass
3210.420	3.4	31.4	9.4	44.2	Vertical	54	PK	Pass
4819.520	3.8	33.3	10.1	47.2	Vertical	54	PK	Pass

Module 79 Antenna B CH2 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
3240.480	3.4	31.4	13.6	48.4	Vertical	54	PK	Pass
4869.243	3.8	33.3	12.4	49.5	Vertical	54	PK	Pass
6480.973	3.8	35.4	8.5	47.7	Vertical	54	PK	Pass

Module 79 Antenna B CH3 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBuV/m	Detector	Result
3270.054	3.4	31.4	11.9	46.7	Vertical	54	PK	Pass
4923.847	3.8	33.3	10.0	47.1	Vertical	54	PK	Pass
6577.154	3.8	36.0	8.4	48.2	Vertical	54	PK	Pass

Radiated Emission

Module 80 Antenna A CH1 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBμV/m	Detector	Result
32.080	0.9	17.6	12.5	31.0	Vertical	40	QP	Pass
3270.540	3.4	31.4	8.7	43.5	Horizontal	54	PK	Pass
4818.230	3.8	33.3	5.1	42.2	Horizontal	54	PK	Pass
6577.154	3.8	36.0	8.0	47.8	Vertical	54	PK	Pass

Module 80 Antenna A CH2 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBμV/m	Detector	Result
3270.500	3.4	31.4	8.7	43.5	Horizontal	54	PK	Pass
4868.727	3.8	33.3	13.9	51.0	Vertical	54	PK	Pass
6577.154	3.8	36.0	7.8	47.6	Vertical	54	PK	Pass

Module 80 Antenna A CH3 Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBμV/m	Detector	Result
3270.541	3.4	31.4	8.4	43.2	Horizontal	54	PK	Pass
4930.230	3.8	33.3	8.9	46.0	Vertical	54	PK	Pass
6577.154	3.8	36.0	9.7	49.5	Vertical	54	PK	Pass

Remark: Emission Level= Cable Loss(include amplifier factor) + Antenna Factor + Reading

Test Equipment List

Radiated Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
EMI Test Receiver	Rohde & Schwarz	ESI26	838786/013
Bilog Antenna	Chase	CBL6112B	2591
Signal Generator	Rohde & Schwarz	SMR20	100047
Antenna	Schwarzbeck	VUBA9117	115
Horn Antenna	Rohde & Schwarz	HF906	100013

7.6 6 dB bandwidth

Test Method

- 1 Place the EUT on the table and set it in the transmitting mode.
- 2 Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3 Mark the peak frequency and –6dB (upper and lower) frequency.

Limit

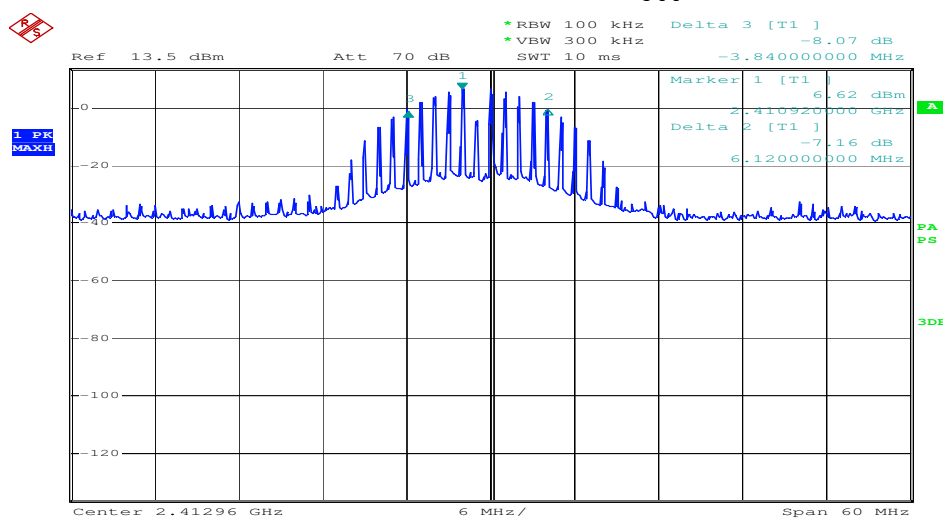
Limit [kHz]

≥ 500

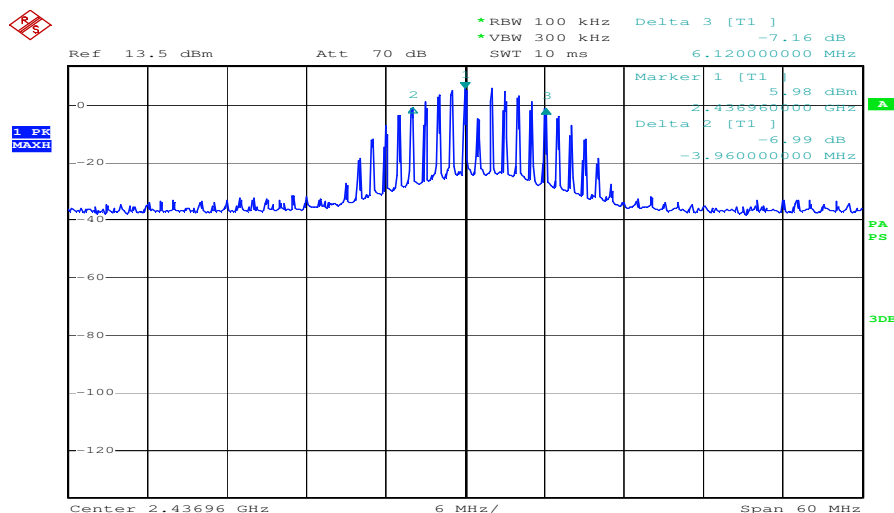
6 dB bandwidth

Module 79 Antenna A Test Result

Frequency MHz	Bandwidth kHz	Limit kHz	Result
2412	9960	≥ 500	Pass
2438	10080	≥ 500	Pass
2464	10080	≥ 500	Pass

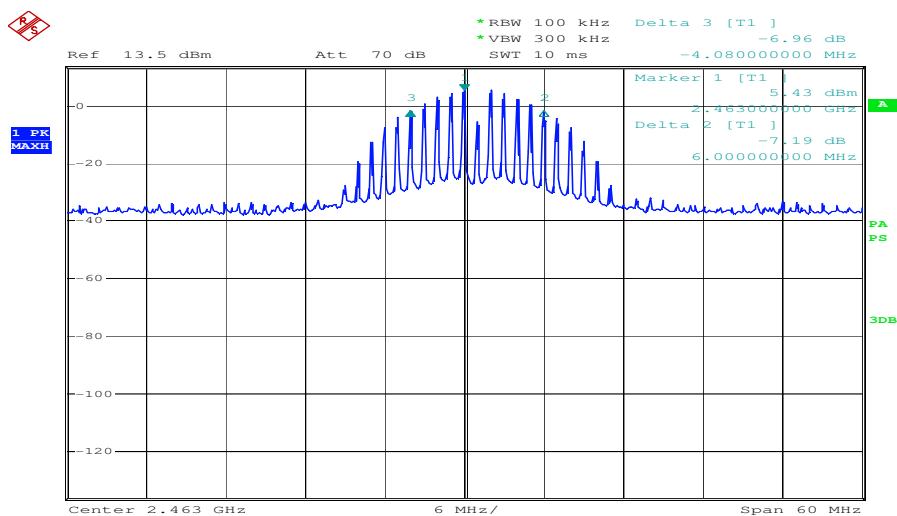


Date: 7.OCT.2008 20:53:11



Date: 7.OCT.2008 20:55:47

6 dB bandwidth

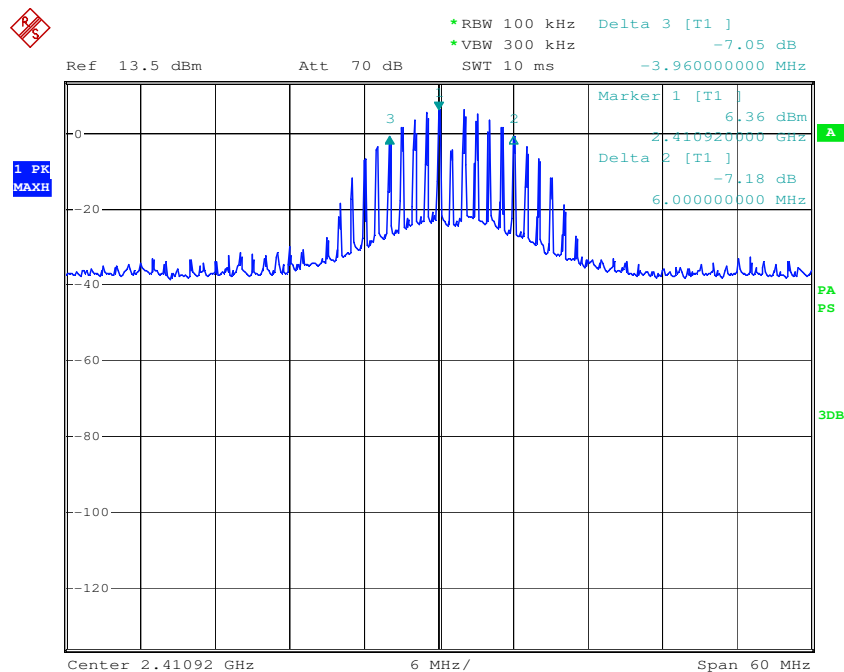


Date: 7.OCT.2008 20:57:02

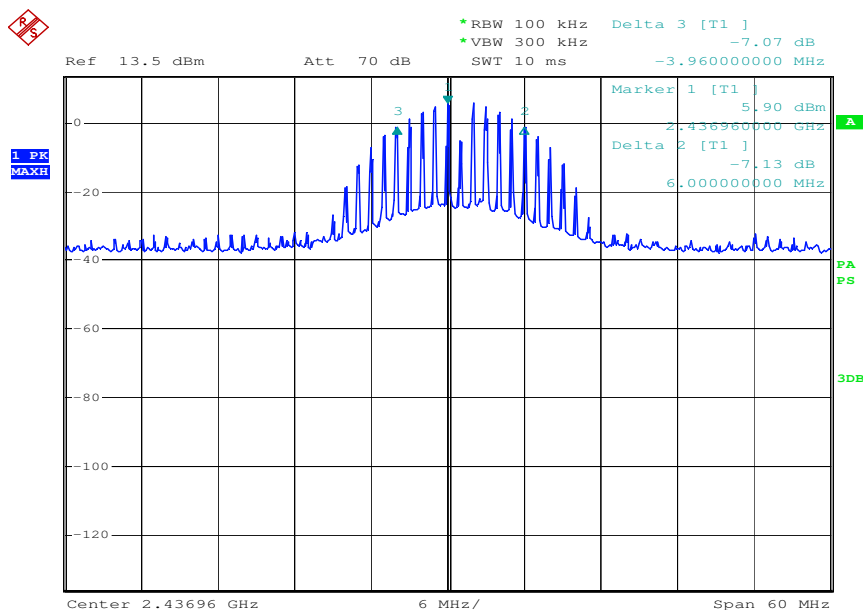
6 dB bandwidth

Module 79 Antenna B Test Result

Frequency MHz	Bandwidth kHz	Limit kHz	Result
2412	9960	≥ 500	Pass
2438	9960	≥ 500	Pass
2464	10080	≥ 500	Pass

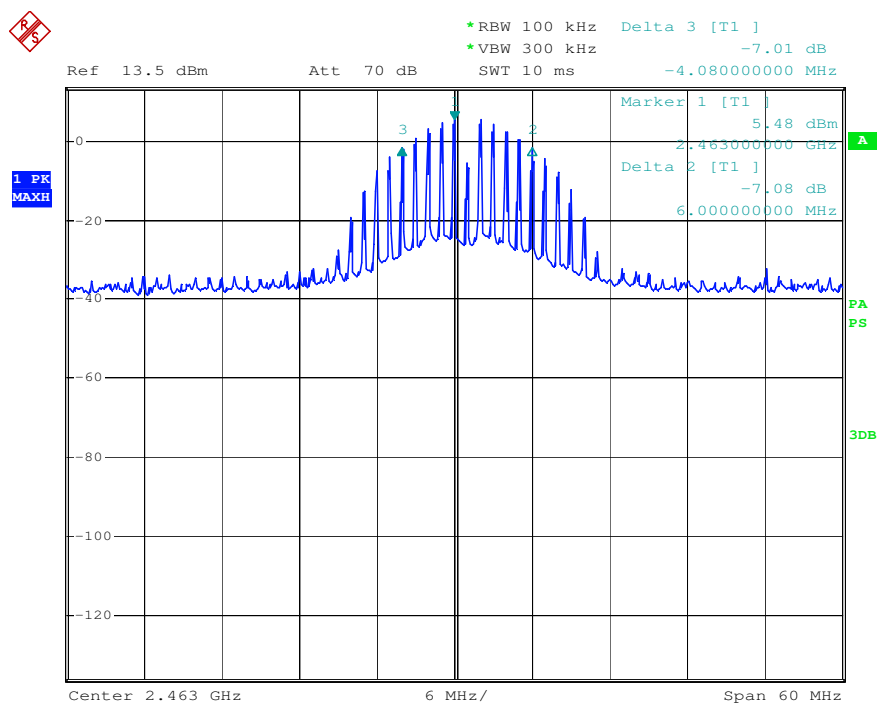


Date: 7.OCT.2008 20:59:43



Date: 7.OCT.2008 20:58:56

6 dB bandwidth

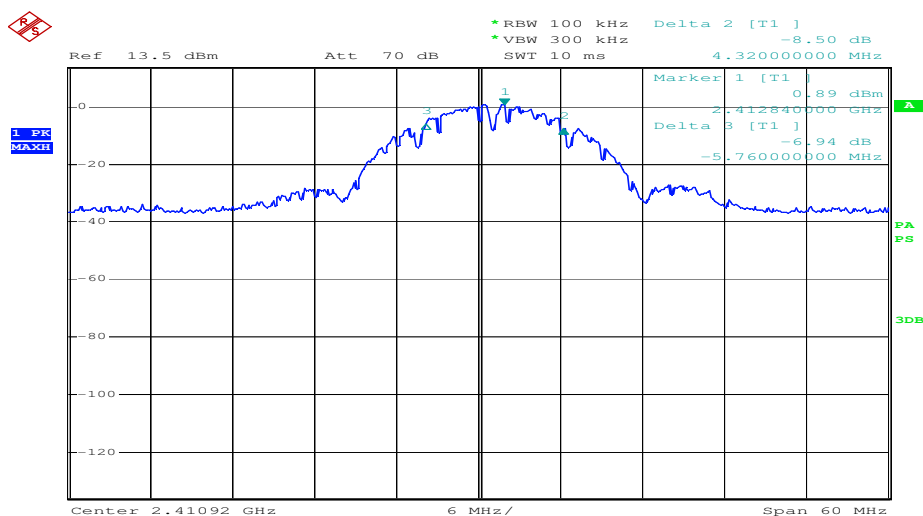


Date: 7.OCT.2008 20:57:51

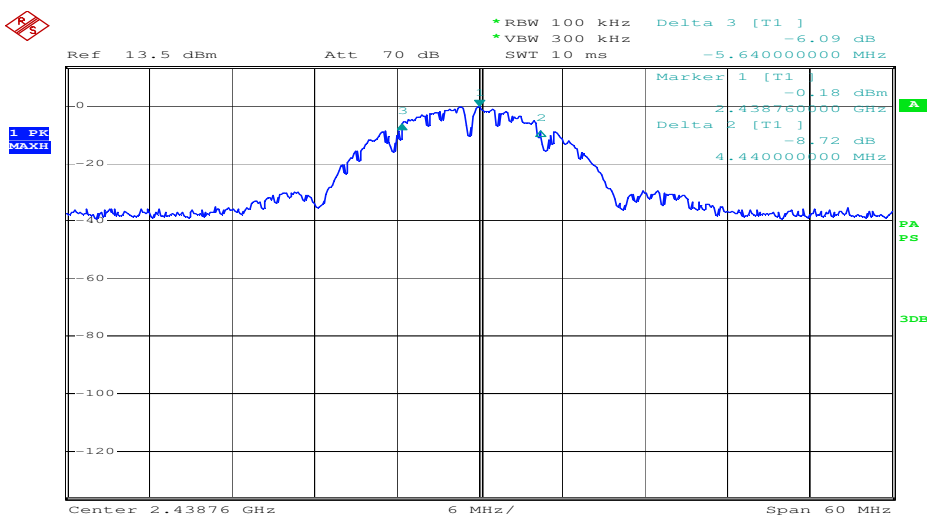
6 dB bandwidth

Module 80 Antenna A Test Result

Frequency MHz	Bandwidth kHz	Limit kHz	Result
2412	10080	≥ 500	Pass
2438	10080	≥ 500	Pass
2464	9960	≥ 500	Pass

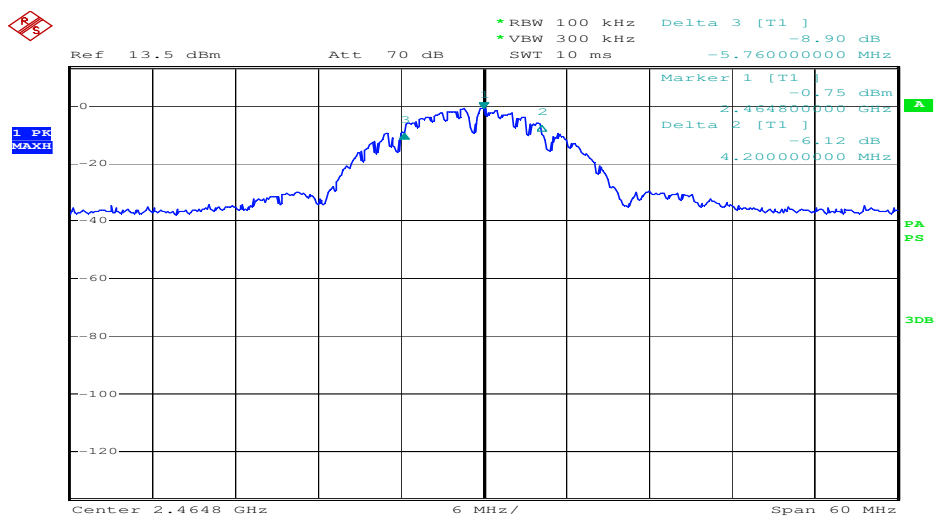


Date: 7.OCT.2008 21:02:31



Date: 7.OCT.2008 21:04:27

6 dB bandwidth



Date: 7.OCT.2008 21:05:50



Hong Kong

Test Equipment

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
EMI Test Receiver	Rohde & Schwarz	ESPI3	100244

7.7 Power spectral density

Test Method

- 1 Place the EUT on the table and set it in transmitting mode. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 2 Set the spectrum analyzer as RBW = 3 kHz, VBW = 10 kHz, Span = 300 kHz, Sweep = 500 s
- 3 Record the max reading.

Limit

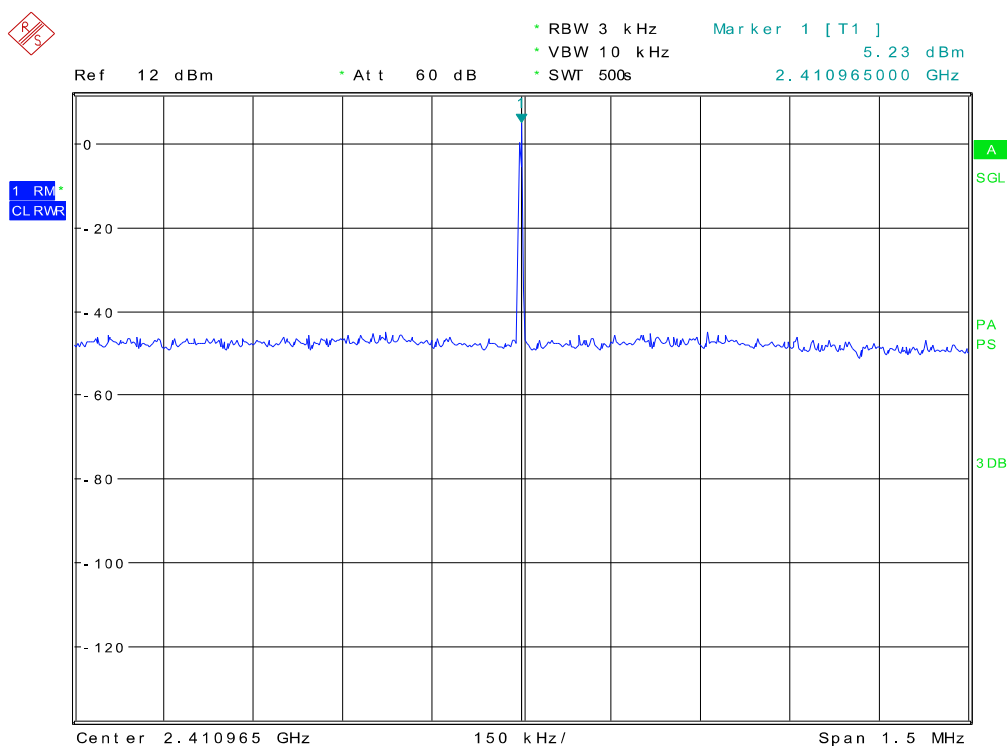
Limit
dBm / 3 kHz

8

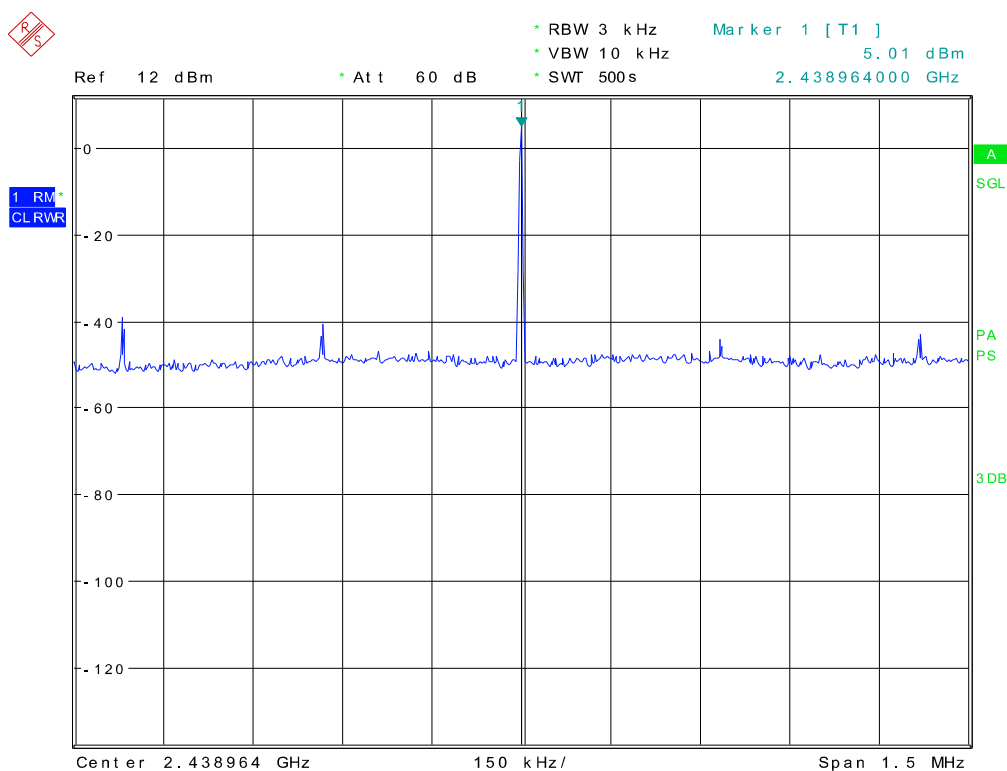
Power spectral density

Module 79 Antenna A Test Result

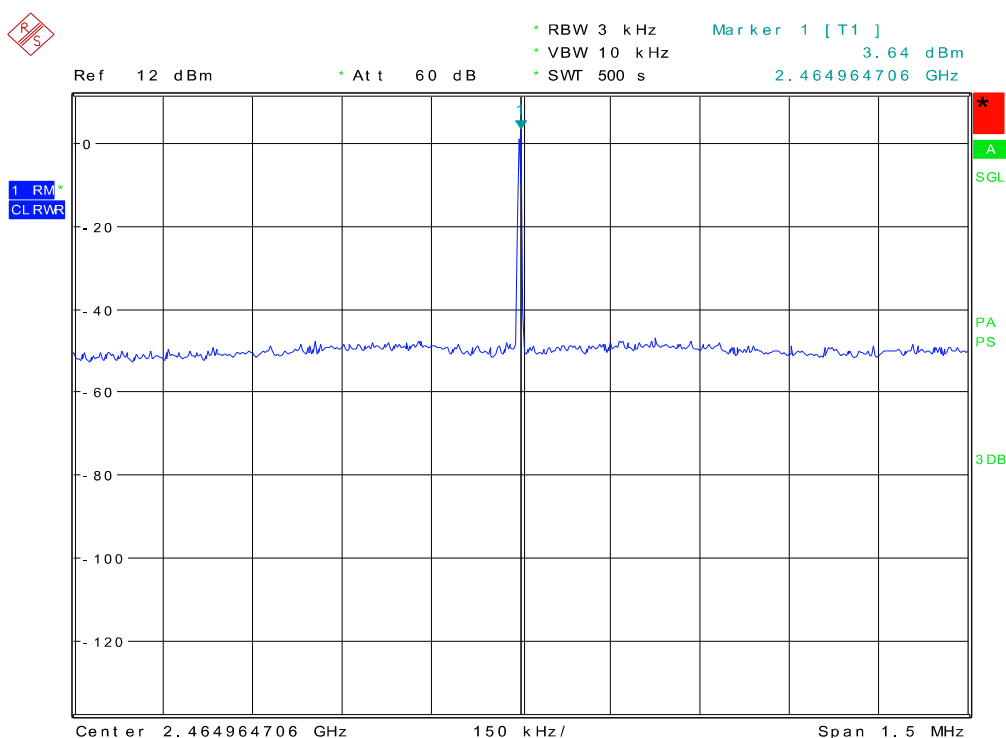
Frequency MHz	P dBm	Result
2412	5.23	Pass
2438	5.01	Pass
2464	3.64	Pass



Date: 22. SEP. 2008 23:34:58



Date: 22. SEP. 2008 23:34:01

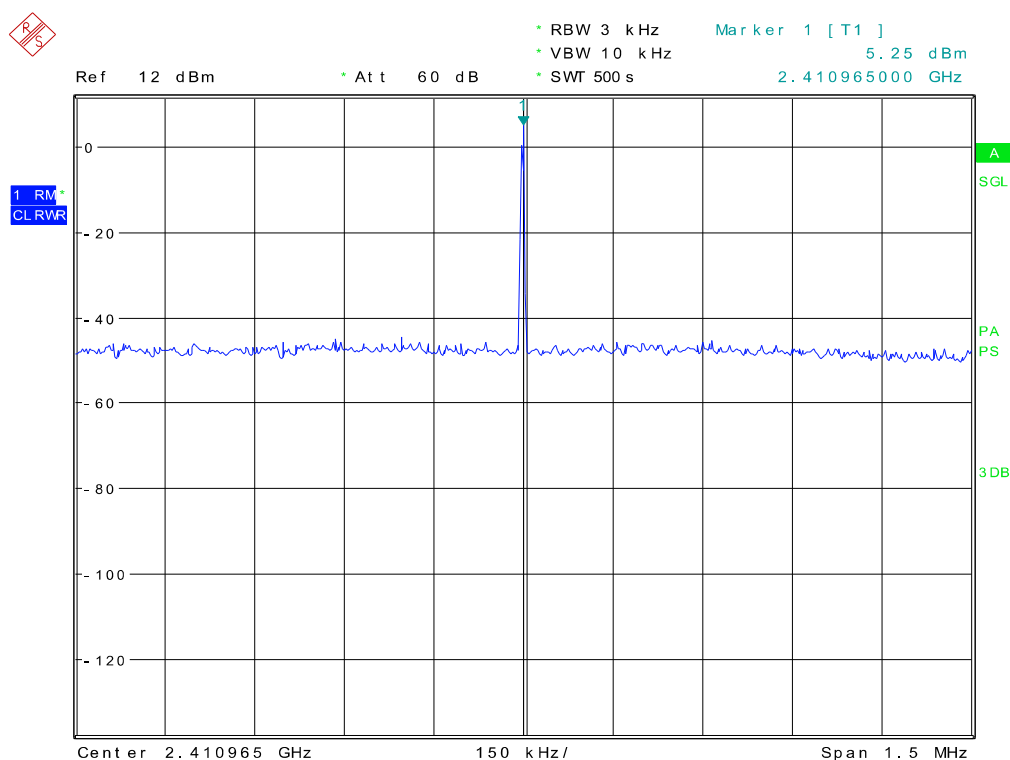


Date: 22. SEP. 2008 23:32:34

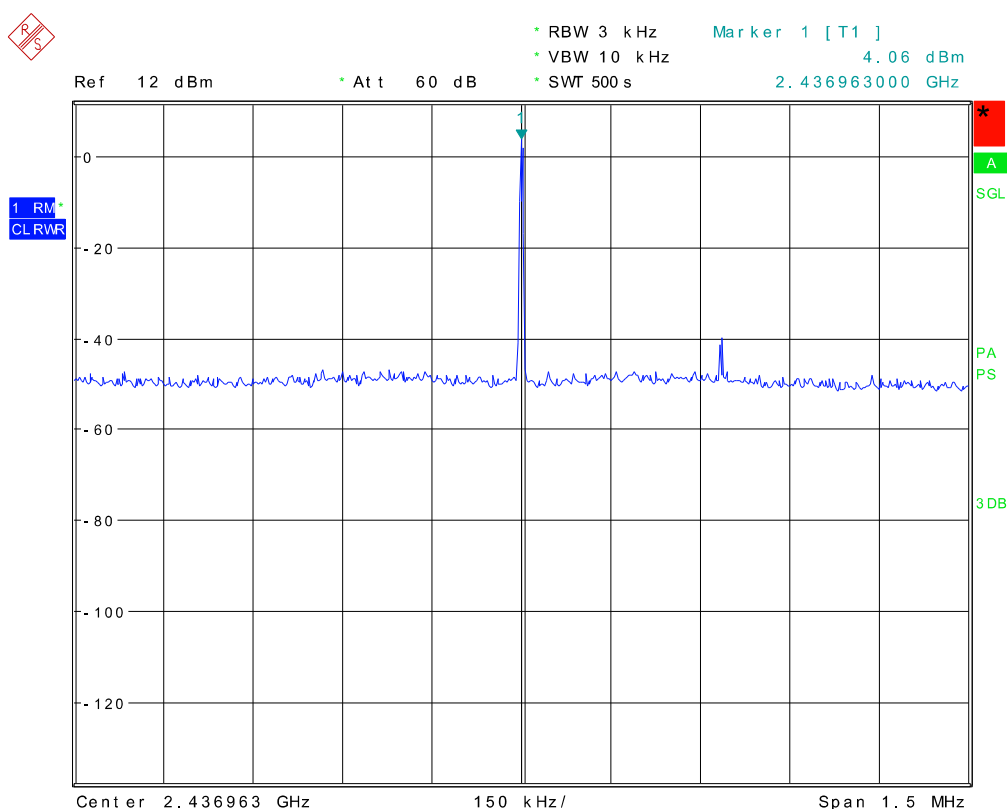
Power spectral density

Module 79 Antenna B Test Result

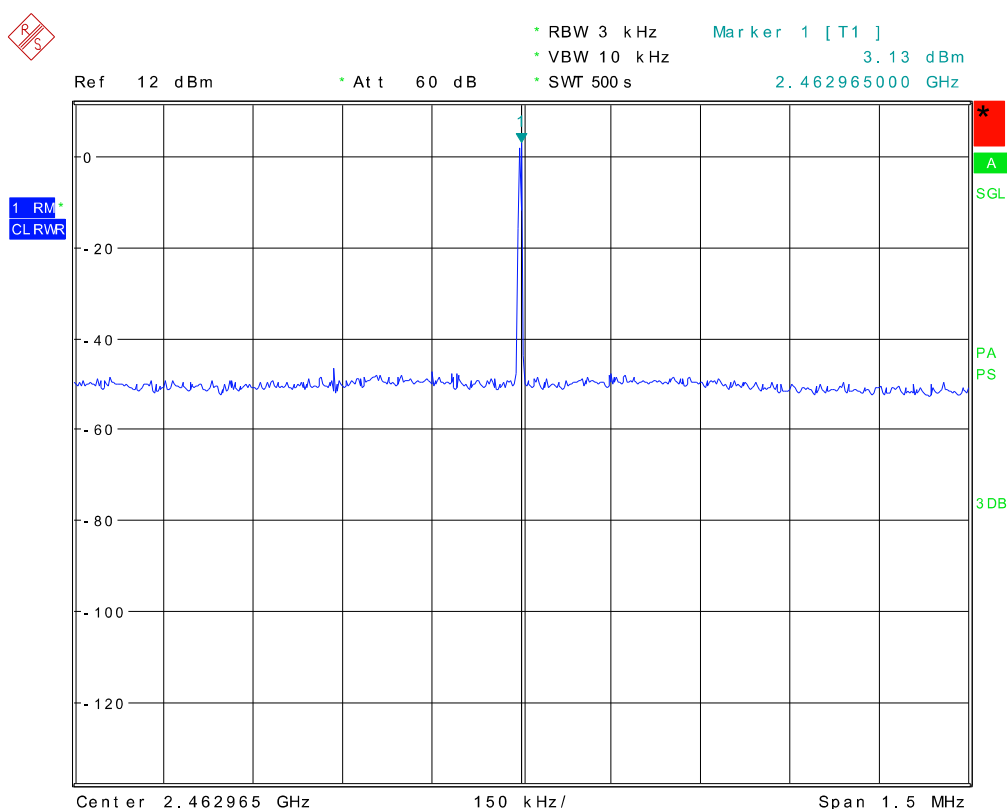
Frequency MHz	P dBm	Result
2412	5.25	Pass
2438	4.06	Pass
2464	3.13	Pass



Date: 22. SEP. 2008 23:35:43



Date: 22. SEP. 2008 23:36:56

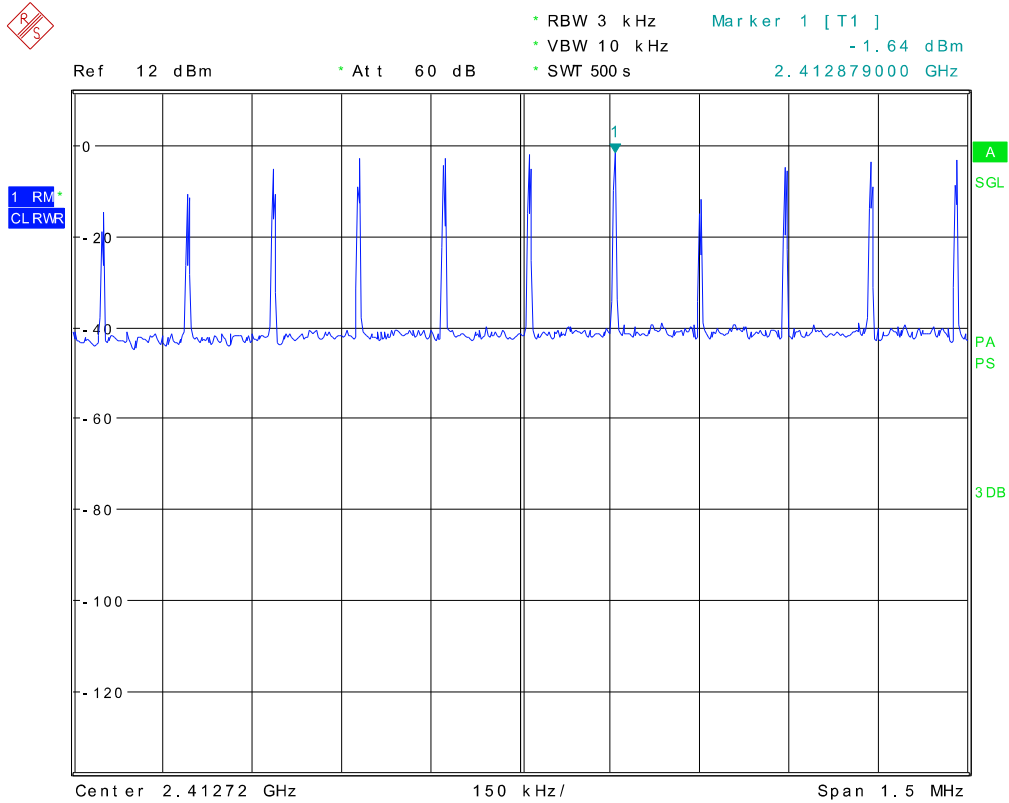


Date: 22. SEP. 2008 23:39:06

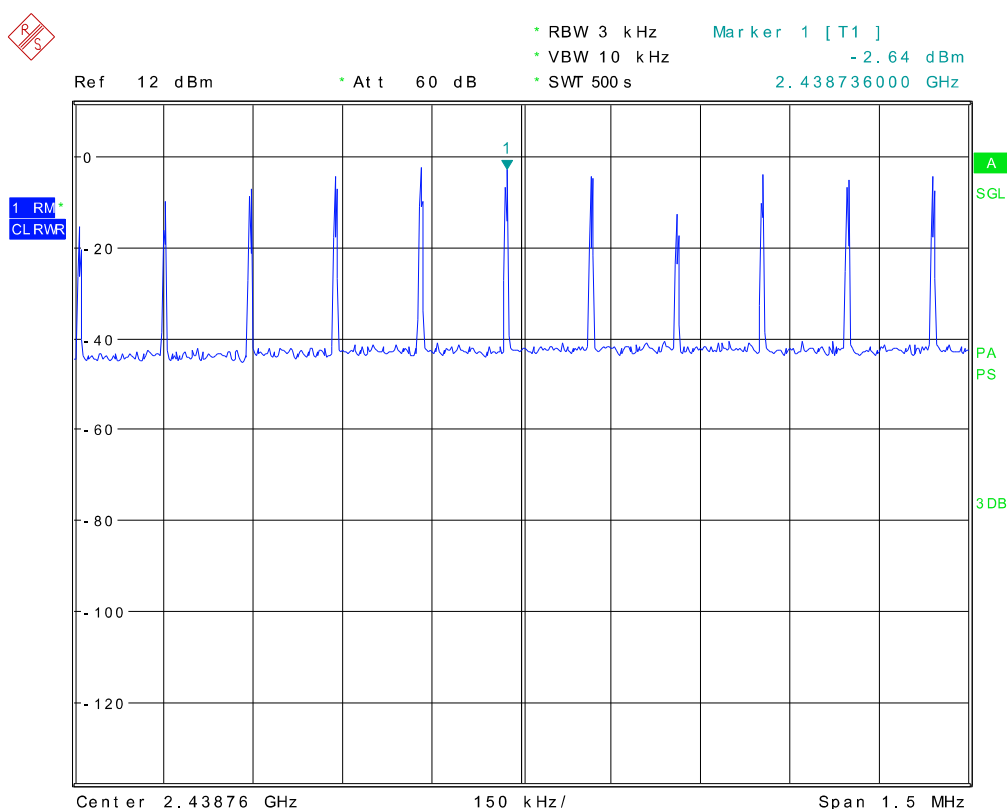
Power spectral density

Module 80 Antenna A Test Result

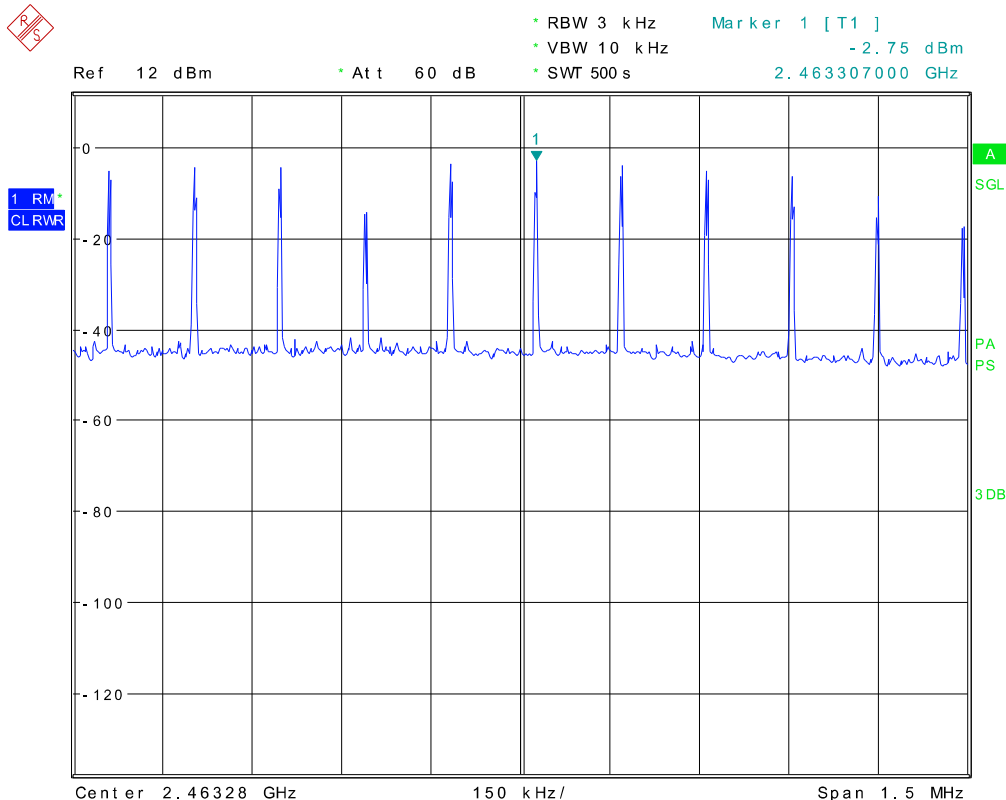
Frequency MHz	P dBm	Result
2412	-1.64	Pass
2438	-2.64	Pass
2464	-2.75	Pass



Date: 22. SEP. 2008 23:41:13



Date: 22. SEP. 2008 23:42:19



Date: 22. SEP. 2008 23:43:13



Hong Kong

Test Equipment

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
EMI Test Receiver	Rohde & Schwarz	ESPI3	100244