







Prüfbericht-Nr.: CN23S9B0 (P15C-433.92M) Auftrags-Nr.: Seite 1 von 26 48219165 Order no.: Page 1 of 26 001 Test report no.: Kunden-Referenz-Nr.: N/A Auftragsdatum: 2023-03-09 Order date: Client reference no.: Auftraggeber: Microchip Technology Inc. Client: 2355 West Chandler Blvd. Chandler, Arizona 85224-6199, United States Prüfgegenstand: EV77V90A Test item: Bezeichnung / Typ-Nr.: ATAB8510B-V2.0 Identification / Type no.: Auftrags-Inhalt: FCC Part 15C Test report Order content: Prüfgrundlage: Test specification: FCC CFR47 Part 15: Subpart C Section 15.231 Wareneingangsdatum: 2023-05-22 Date of sample receipt: Prüfmuster-Nr.: A003480465-001 Test sample no: A003480465-002 Prüfzeitraum: 2023-05-29 - 2023-08-23 Testing period: Ort der Prüfung: EMC/RF Taipei Testing Site Place of testing: Prüflaboratorium: Taipei Testing Laboratories Testing laboratory: Prüfergebnis*: Pass Test result*: zusammengestellt von: genehmigt von: authorized by: compiled by: Beerla Ch Ausstellungsdatum: Datum: Date: 2023-08-25 Issue date: 2023-08-25 Rvan Chen Brenda Chen Senior Project Manager Stellung / Position: Stellung / Position: Senior Project Manager Sonstiges / Other: Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt Condition of the test item at delivery: Test item complete and undamaged * Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet 2 = good3 = satisfactory 4 = sufficient 5 = poor* Legend: 1 = very goodP(ass) = passed a.m. test specification(s)N/A = not applicable F(ail) = failed a.m. test specification(s) N/T = not testedDieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001 Test Report No.

Seite 2 von 26 Page 2 of 26

TEST SUMMARY

Report Section	FCC Clause	Test Item	Result
5.1.1	15.203	Antenna Requirement	Pass
5.1.2	15.231(c)	20 dB Bandwidth and Occupied Bandwidth	Pass
5.1.3	15.231(a)	Pulse Width / TX Gap	Pass
5.1.4	15.231(b)	Field Strength of Fundamental Emissions	Pass
5.1.5	15.231(b) & 15.205 & 15.209	Radiated Spurious Emissions	Pass
-	15.207	Mains Conducted Emission	Not Applicable

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.



Prüfbericht - Nr.: CN23S9B0 (P Test Report No.

CN23S9B0 (P15C-433.92M) 001

Seite 3 von 26 Page 3 of 26

Contents

HIST	STORY OF THIS TEST REPORT5			
1.	GENERAL REMARKS6			
1.1	COMPLEMENTARY MATERIALS6			
1.2	DECISION RULE OF CONFORMITY6			
2.	TEST SITES			
2.1	TEST LABORATORY7			
2.2	TEST FACILITY7			
2.3	TRACEABILITY8			
2.4	CALIBRATION8			
2.5	MEASUREMENT UNCERTAINTY8			
3.	GENERAL PRODUCT INFORMATION9			
3.1	PRODUCT FUNCTION AND INTENDED USE9			
3.2	SYSTEM DETAILS AND RATINGS9			
3.3	Noise Generating and Noise Suppressing Parts10			
3.4	SUBMITTED DOCUMENTS			
4.	TEST SET-UP AND OPERATION MODES11			
4.1	PRINCIPLE OF CONFIGURATION SELECTION11			
4.2	TEST OPERATION AND TEST SOFTWARE11			
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT12			
4.4	TEST SETUP DIAGRAM12			
4.5	DUTY CYCLE OF TEST SIGNAL13			
5.	TEST RESULTS14			
5.1 5.1 5.1 5.1 5.1 5.1	.2 20 dB Bandwidth and Occupied Bandwidth			



Prüfbericht - Nr.: Test Report No.	CN23S9B0 (P15C-433.92M) 001	Seite 4 von 26 Page 4 of 26
Appendix A - Test Resi	ULT OF RADIATED EMISSIONS EMISSION	
APPENDIX SP - PHOTOGI	RAPHS OF TEST SETUP	
APPENDIX EP - PHOTOGI	RAPHS OF EUT	



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 5 von 26 Page 5 of 26

Test Report No.

HISTORY OF THIS TEST REPORT

Report No.	Description	Date Issued
CN23S9B0 (P15C-433.92M) 001	Original Release	2023-08-25



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 6 von 26 Page 6 of 26

Test Report No.

1. General Remarks

1.1 Complementary Materials

The following attachments are integral parts of this test report:

Appendix A - Test Result of Radiated Emissions Emission Appendix SP - Photographs of Test Setup

Appendix EP - Photographs of EUT

Test Specifications

The following standards were applied.

Applied Standard and Test Levels

Radio

FCC 47CFR Part 15: Subpart C Section 15.231 ANSI C63.10:2013

1.2 Decision Rule of Conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001 Test Report No.

Seite 7 von 26 Page 7 of 26

2. Test Sites

2.1 Test Laboratory

Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist. Taipei City 105
Taiwan (R.O.C.)

2.2 Test Facility

Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,

New Taipei City 244 Taiwan (R.O.C.)

FCC Registration No.: 180491 ISED Registration No.: 25563



Prüfbericht - Nr.:

CN23S9B0 (P15C-433.92M) 001

Seite 8 von 26 Page 8 of 26

Test Report No.

2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

All measurement uncertainty values are shown with a coverage factor of k=2 to indicate a 95% level of confidence.

Emission Measurement Uncertainty

Parameter	Uncertainty
Radiated Emission (9 kHz ~ 30 MHz)	± 1.15 dB
Radiated Emission (30 MHz ~ 200 MHz)	± 1.32 dB
Radiated Emission (200 MHz ~ 1 GHz)	± 1.31 dB
Radiated Emission (1 GHz ~ 18 GHz)	± 1.53 dB
Radiated Emission (18 GHz ~ 40 GHz)	± 2.50 dB
Mains Conducted Emission	± 1.65 dB



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 9 von 26 Page 9 of 26

Test Report No.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is an EV77V90A working at 433.92 MHz. For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 System Details and Ratings

Basic Information of EUT

Item	EUT information
Kind of Equipment/Test Item	EV77V90A
Type Identification	ATAB8510B-V2.0
FCC ID	2ADHK77V90

Technical Specification of EUT

Item	EUT information
Operating Frequency	433.92 MHz
Operation Voltage	3 Vdc
Modulation	FSK
Transmission Mode	Automatically / Manual
Antenna Information	Refer to 5.1.1
Accessory Device	Refer to 4.3

Note:

1. All models are listed as below.

Model Type	Type Identification	Difference
Main	ATA8510B-V2.0	TRX device (20kByte user flash memory) The whole product family is based on the same silicon. They differ only in numbering and features that are enabled for customer. To support the industrial segment additional product numbering was defined for the same products.
	ATA5831-XPRO	identical to ATA8510B-V2.0
Series	ATA5833	TRX device without user flash memory
Selles	ATA8515	identical to ATA5833
	ATA8710	TX only device (20kByte user flash memory)

2. The automatic and manual modes are operating at the same RF characteristics.



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 10 von 26Page 10 of 26

Test Report No.

3.3 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.4 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description



Prüfbericht - Nr.:

CN23S9B0 (P15C-433.92M) 001

Seite 11 von 26Page 11 of 26

Test Report No.

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum emission level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Setup for testing: Test samples are modified to continuous transmitter mode which makes it possible to transmit when press the button.

Test Software	N/A
---------------	-----

The samples were used as follows:

A003480465-001

A003480465-002

Full test was applied on all test modes, but only worst case was shown.

		Applicable To				
EUT Configu Mode	e 20 dB Bandwidth	Pulse Width / TX Gap	Field Strength of Fundamental Emissions	Radiated Spurious Emissions	Mains Conducted Emission	Description
_	V		V	V	-	-

Note:

- 1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when position on Z-plane.
- 2. The series model has been evaluated but only the worst case was shown.
- 3. "-" means no effect.

20 dB Bandwidth

- Pre-Scan full test was applied on all test modes, but only worst case was shown.
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode Available Frequency (MHz)		Tested Frequency (MHz)	
-	433.92	433.92	

Pulse Width / TX Gap

- Pre-Scan full test was applied on all test modes, but only worst case was shown.
- Following channel(s) was (were) selected for the final test as listed below.

<u> </u>				
	EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	
	-	433.92	433.92	

Field Strength of Fundamental

Pre-Scan full test was applied on all test modes, but only worst case was shown.

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

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	
-	433.92	433.92	



Prüfbericht - Nr.:

CN23S9B0 (P15C-433.92M) 001

Seite 12 von 26Page 12 of 26

Test Report No.

Radiated Spurious Emissions

Pre-Scan full test was applied on all test modes, but only worst case was shown.

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

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	433.92	433.92

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
20 dB Bandwidth	18-23 °C	55-68 %	Nick Hsu
Pulse Width / TX Gap	18-23 °C	55-68 %	Nick Hsu
Field Strength of Fundamental	23.7-24.6 °C	52-55 %	Ray Huang
Radiated Spurious Emissions	23.7-24.6 °C	52-55 %	Ray Huang

4.3 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Accessory of EUT

None.

Support Unit

No.	No. Description Brand Model				Remark	
Conducted Test						
-	Power Supply	002				

4.4 Test Setup Diagram

<Radiated Spurious Emissions Mode>





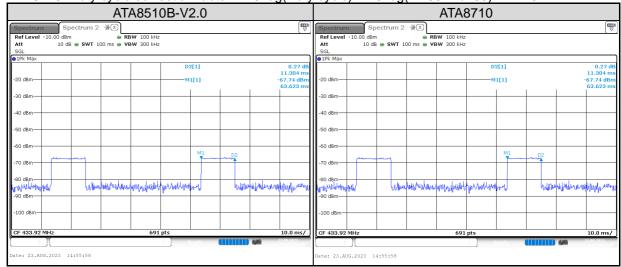
Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 13 von 26 *Page 13 of 26*

Test Report No.

4.5 Duty Cycle of Test Signal

ATA8510B-V2.0: Duty cycle correction factor = $20 \log(\text{Duty cycle}) = 20 \log(11.304*2/100) = -12.91$ ATA8710: Duty cycle correction factor = $20 \log(\text{Duty cycle}) = 20 \log(11.304*2/100) = -12.91$





Prüfbericht - Nr.:

CN23S9B0 (P15C-433.92M) 001

Seite 14 von 26Page 14 of 26

Test Report No.

5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

Requirement Use of approved antennas only

According to the manufacturer declaration, the EUT has an antenna with a directional gain of -23.85 dBi. The antenna is a PCB with a printed magnetic loop antenna with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

Refer to EUT photo for details.



Prüfbericht - Nr.:

CN23S9B0 (P15C-433.92M) 001

Seite 15 von 26Page 15 of 26

Test Report No.

5.1.2 20 dB Bandwidth and Occupied Bandwidth

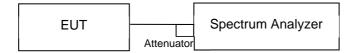
Limit

The bandwidth of the emission shall be no wider than 0.25 % of the center frequency for devices operating above 70 MHz and below 900 MHz.

Kind of Test Site

Shielded room

Test Setup



Test Instruments

Kind of	Manufacturar	Typo	S/N	Calibration	Calibration Test Date		Date
Equipment	Manufacturer	Type	3/IV	Date	Due Date	From	Until
Spectrum Analyzer	R&S	ESR	102109	2023/3/24	2024/3/22	2023/6/27	2023/7/05

Test Procedures

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
- d. Repeat above procedures until all frequencies measured were complete.
- e. For occupied bandwidth, the transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1 % to 5 % of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to Sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.



Prüfbericht - Produkte

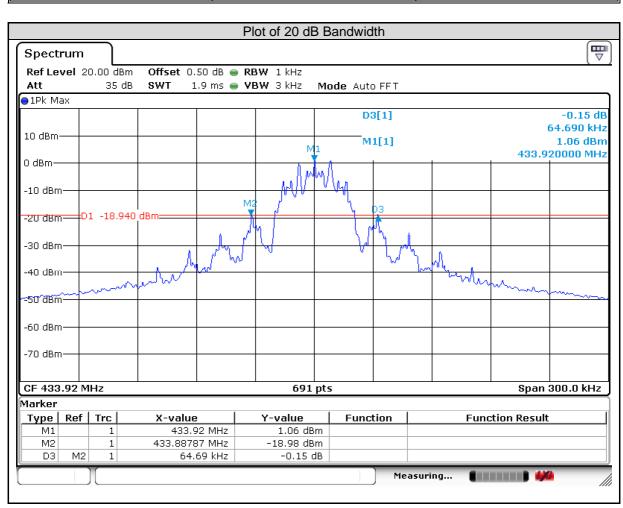
Test Report - Products

Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001 Test Report No.

Seite 16 von 26Page 16 of 26

Test Results

Channel Frequency	20 dB Bandwidth	Limit
(MHz)	(kHz)	(kHz)
433.92	64.69	1085

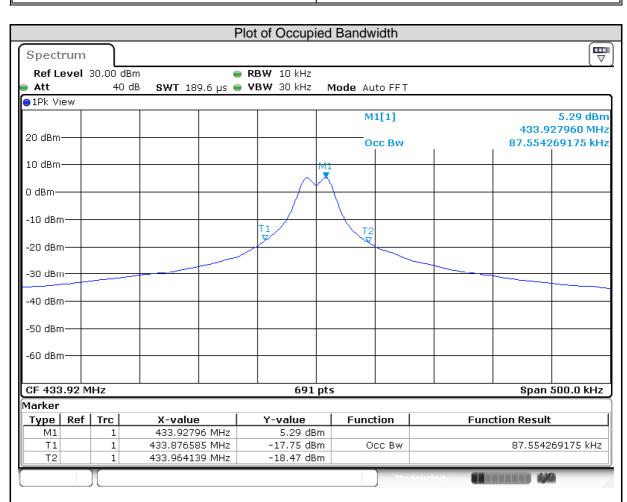




Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001 Test Report No.

Seite 17 von 26Page 17 of 26

Channel Frequency (MHz)	Occupied Bandwidth (kHz)
433.92	87.55





Prüfbericht - Nr.:

CN23S9B0 (P15C-433.92M) 001

Seite 18 von 26 *Page 18 of 26*

Test Report No.

5.1.3 Pulse Width/TX Gap

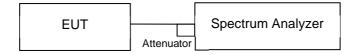
Limit

For operation in 314-316 MHz and 433-435 MHz: A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds being released. A transmitter activated automatically shall cease transmission within 5 seconds after activation.

Kind of Test Site

Shielded room

Test Setup



Test Instruments

Kind of	Manufacturer	Type	S/N	Calibration	Calibration	oration Test Date	
Equipment	Manufacturer	Туре	S/IN	Date	Due Date	From	Until
Spectrum Analyzer	R&S	ESR	102109	2023/3/24	2024/3/22	2023/6/27	2023/6/27

Test Procedures

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c. Measure the transmission time (Pulse width) and stop duration of a transmission period (TX gap).
- d. Repeat above procedures until all frequencies measured were complete.



Prüfbericht - Produkte

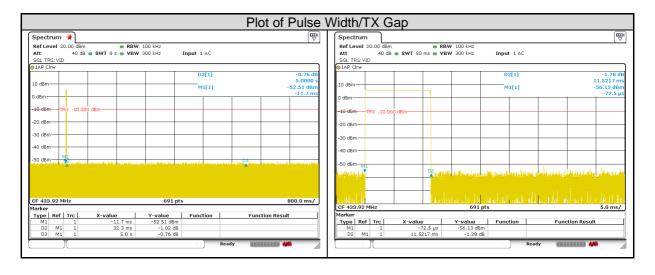
Test Report - Products

Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001 Test Report No.

Seite 19 von 26Page 19 of 26

<u>'</u>

Channel Frequency (MHz) Pulse Width (ms)		Limit (ms)	Result
433.92	11.52	5000	Pass





Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 20 von 26Page 20 of 26

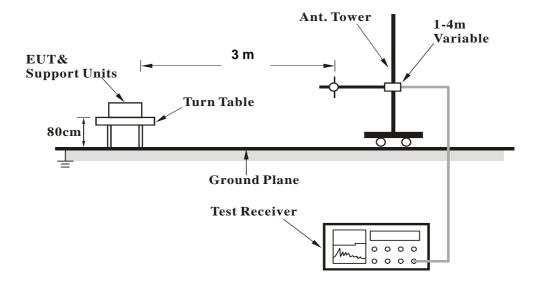
Test Report No.

5.1.4 Field Strength of Fundamental Emissions

Limit Refer to §15.231(b) for reference

Kind of Test Site 3m Semi-Anechoic Chamber

Test Setup



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



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 21 von 26Page 21 of 26

Test Report No.

Test Instruments

Test Date: 2023/5/29, 2023/8/23

Kind of Equipment	Manufacturer	Туре	S/N	Calibration Date	Calibration Due Date			
	Above 1GHz							
Signal Analyzer	R&S	FSV40	101509	2023/4/26	2024/4/24			
Horn Antenna	ETS-Lindgren	3117	00218930	2022/12/8	2023/12/7			
HF-AMP + AC source	EMCI	EMC051845SE	980633	2023/2/22	2024/2/21			
		30MHz-1G	Hz					
Receiver	R&S	ESR7	102109	2023/2/24	2024/2/23			
Bilog Antenna	SCHWARZBECK	VULB-9168	00951	2023/3/31	2024/3/29			
LF-AMP	Agilent	8447D	2944A107722	2023/3/22	2024/3/20			
	Below 1GHz							
Receiver	R&S	ESR7	102109	2023/2/24	2024/2/23			
Loop Antenna	SCHWARZBECK	FMZB 1519B	00215	2023/1/4	2024/1/3			



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Test Report No.

Seite 22 von 26Page 22 of 26

Test Procedures

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) above the ground at 3 meter chamber room for test. 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 height of antenna 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 and average detect function and specified bandwidth with maximum hold mode.

Note:

- 1. All modes of operation were investigated and the worst-case emissions are reported.
- 2. The Radiated Emissions testing was performed in the X(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.

Test Results

The EUT employs pulsed operation.

Duty Cycle Correction	-18.769				
Frequency (MHz)	y (MHz) Level Limit Antenna (dBuV/m (dBuV/m) orientation				
433.92	85.71	100.83	Horizontal	Peak	
433.92	66.94	80.83	Honzontai	Average	
433.92	75.96	100.83	Vertical	Peak	
433.92	57.19	80.83	Vertical	Average	

FCC 15.231(a), NCC LP0002 4.4.2.5(1)

Note: With linear interpolations, the formulas for calculating the maximum permitted fundamental field strengths is as follows:

433.92MHz, μ V/m at 3 meters = 41.6667 x (433.92MHz) - 7083.3333 = 10996.68 μ V/m 20log (10996.68) = 80.83 dB μ V/m (Average Limit) 80.83 + 20 = 100.83 dB μ V/m (Peak Limit)



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Seite 23 von 26Page 23 of 26

Test Report No.

5.1.5 Radiated Spurious Emissions

Limit

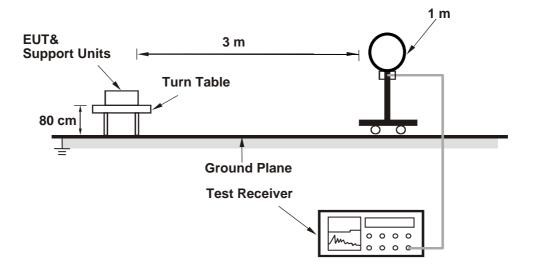
Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must comply with the radiated emission limits specified in §15.209(a).

Kind of Test Site

3m Semi-Anechoic Chamber

Test Setup

<Radiated Emissions below 30 MHz>



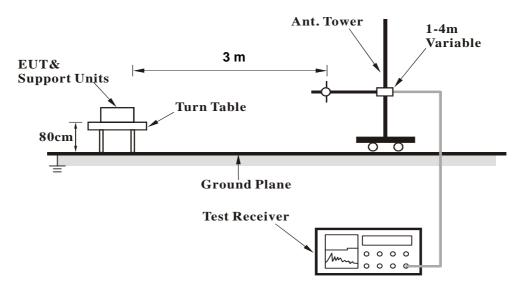


Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

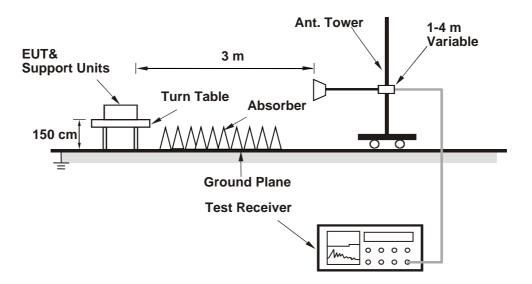
Seite 24 von 26Page 24 of 26

Test Report No.

<Radiated Emissions 30 MHz to 1 GHz>



<Radiated Emissions above 1 GHz>



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

Test Instruments

Please refer to 5.1.4 Instruments



Prüfbericht - Nr.: CN23S9B0 (P15C-433.92M) 001

Test Report No.

Seite 25 von 26Page 25 of 26

Test Procedures

For Radiated Emissions below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. 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. Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case 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 Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency are 9-90 kHz, 110-490 kHz and above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
- 2. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated Emissions above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. 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 height of antenna 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 quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
- 2. All modes of operation were investigated and the worst-case emissions are reported.
- 3. The Radiated Emissions testing was performed in the X(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.
- 4. The emission levels of other frequencies (including the 10th harmonic of the highest fundamental frequency) are very lower than the limit and are not shown in the test report.



Prüfbericht - Produkte Test Report - Products		
Prüfbericht - Nr.: Test Report No.	CN23S9B0 (P15C-433.92M) 001	Seite 26 von 26 Page 26 of 26
Test Results Factor (dB/m) = Antenna F Level (dBuV/m) = Reading	actor (dB/m) + Cable Loss (dB) (dBuV) + Factor (dB/m)	
Please refer to Appendix A	. .	