

Produkte Products

Prüfbericht - Nr.:	19660079 00	1		Seite 1 von 29
Test Report No.:				Page 1 of 29
Auftraggeber: Client:	ATMEL NORWAY AS VESTRE ROSTEN 79 7075 TILLER TRONDHEIM NORWAY - 7075			
Gegenstand der Prüfung Test item:	: ATZB-RF-212B-0-U \$	Sub GHz Trans	sceiver ZigBit w	ith UFL Connector
Bezeichnung: Identification:	ATZB-RF-212B-0-U		rien-Nr.: rial No.	Engineering Sample
Wareneingangs-Nr.: Receipt No.:	1803032233		ngangsdatum: te of receipt:	28.02.2014
Prüfort: Testing location:	Refer Page 4 of 29 f	or test facilitie	es	
Prüfgrundlage: Test specification:	FCC Part 15, Subpa	rt C		
Prüfergebnis: Test Result:	Der Prüfgegenstand The test items passe			Prüfgrundlage(n).
Prüflaboratorium: Testing Laboratory:	TÜV Rheinland (Indi 82/A, 3rd Main, West Wing Hosur Road, Bangalore – FCC Registration No	g, Electronic City P 560 100. India		e: 3466E
geprüft / tested by:			reviewed by:	
19.03.2014 Saibaba Sidda Test Engineer	our <i>Sailska</i>	25.03.2014	Raghavendra Ku Sr.Manager	ulkarni Hultormi
Datum Name/Stellun Date Name/Position		Datum Date	Name/Stellung Name/Position	Unterschrift Signature
Sonstiges / Other Aspects:	FCC ID : VW4A092201			-
F(ail) = e N/A = n	ntspricht Prüfgrundlage ntspricht nicht Prüfgrundlage icht anwendbar icht getestet	Abbreviati	ions: P(ass) = F(ail) = N/A = N/T =	failed not applicable

Dieser 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 relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.



Test Result Summary

Clause	Test Item	Result
FCC 15.247(b) (3)	Maximum Conducted Peak Output Power	Pass
FCC 15.247(a) (2)	6dB Bandwidth	Pass
FCC 15.247(e)	Power Spectral Density	Pass
FCC 15.247(d)	Band-edge compliance	Pass
FCC 15.209 / FCC 15.205	Spurious Radiated Emissions and Restricted Bands of Operation	Pass
FCC 15.207	Conducted Emissions on A.C Power lines	Pass

Test Report No.: 19660079 001 Date: 19.03.2014 Page 2 of 29



Content

List of Type and Measurement Instruments	4
General Product Information	5
Product Function and Intended Use	5
Ratings and System Details	5
Test Set-up and Operation Mode	6
Principle of Configuration Selection	6
Test Operation and Test Software	
Special Accessories and Auxiliary Equipment	
Countermeasures to achieve EMC Compliance	6
Test Methodology	8
Radiated Emission Test	8
Conducted Emission Test on A.C. mains line	8
Test Results	9
Maximum Conducted Peak Output Power	Section 15.247(b) (3)9
Power Spectral Density	Section 15.247(e)12
6 dB Bandwidth	Section 15.247(a) (2)15
Band-edge Compliance	Section 15.247(d)19
Spurious Radiated Emissions and	
Restricted Bands of Operation	Section 15.209 and 15.20523
Conducted Emission Test on A.C. Power Line	Section 15.20727

Appendix 1: Test Setup Photo

Appendix 2: EUT External Photo

Appendix 3: EUT Internal Photo

Appendix 4: FCC Label and Label Location

Appendix 5: Block Diagram

Appendix 6: Specification of EUT

Appendix 7: Schematic Diagrams

Appendix 8: Bill of Material

Appendix 9: User Manual

Appendix 10: Maximum Permissible Exposure Calculation

Test Report No.: 19660079 001 Date: 19.03.2014 Page 3 of 29



List of Type and Measurement Instruments

TÜV Rheinland (India) Pvt. Ltd, Bangalore

Equipment	Manufacturer	Model	S/N	Calibration Due Date
EMI Test Receiver	Rohde &Schwarz	ESU 40	100288	04.10.2014
Broadband Antenna	Frankonia	ALX-4000	ALX-4000-806	10.10.2014
Horn Antenna	Frankonia	HAX-18	HAX18-802	10.10.2014
Double-Ridged Waveguide Horn Antenna	ETS Lindgren	116706	00107323	01.11.2014
Active Loop Antenna	Frankonia	LAX-10	LAX-10-800	01.11.2014
Spectrum Analyser	Agilent Technologies	E4407B	US41192772	22.03.2014

Testing Facilities:

 TUV Rheinland (India) Private Limited No. 108, West Wing Electronic city Phase I Bangalore – 560100

Test Report No.: 19660079 001 Date: 19.03.2014 Page 4 of 29



General Product Information

Product Function and Intended Use

The ZigBit RF212B is a Zigbit module of the Atmel AT86RF212B radio transceiver. The radio transceiver supports the worldwide accessible 900MHz ISM band. The system is designed standard-based applications such as ZigBee/IEEE 802.15.4, ZigBee RF4CE, and 6LoWPAN, as well as high data rate ISM applications.

Ratings and System Details

Operating Frequency	902 - 928 MHz
No. of channel	10
Channel Spacing	2 MHz
Modulation Type	BPSK
Transmitted Power	08.50dBm
Data Rate	40 kbps
Antenna Type	Refer page 6 of 29
Number of antenna	Refer page 6 of 29
Antenna Gain	Refer page 6 of 29
Supply Voltage	1.8VDC – 3.6VDC
Dimensions	30mm X 20mm
Environmental	85C to -25C

Test Conditions:

Voltage: 5V DC (Power from USB adaptor)

Environmental conditions:

Temperature: +23 ° C RH: 62%

Test Report No.: 19660079 001 Date: 19.03.2014 Page 5 of 29



Test Set-up and Operation Mode

Principle of Configuration Selection

Transmission was enabled with 100% duty cycle on low, mid and high channel.

Test Operation and Test Software

Test software (Atmel Studio 6.1) was used to enable the transmission with 100% duty cycle and channels in 2.4 GHz band on the EUT for the tests in this report.

Special Accessories and Auxiliary Equipment

- None

Countermeasures to achieve EMC Compliance

- None

Table of frequencies

Frequency Band	Channel No.	Frequency (MHz)
	1	906
	2	908
	3	910
	4	912
902-928 MHz	5	914
902-926 WIFIZ	6	916
	7	918
	8	920
	9	922
	10	924

Antenna Details

Make	Model/Part #	Antenna Gain (dBi)	Type of Antenna
Pulse Electronics Corporation	W1063	3dBi	External Antenna
Molex	105262-0002	1.3dBi	UFL-cable integrated with Antenna

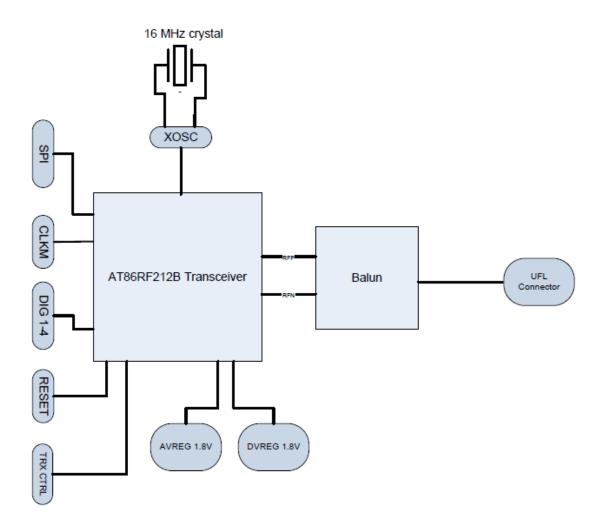
Test Report No.: 19660079 001 Date: 19.03.2014 Page 6 of 29



Transmitter Power Setting used for testing for the below channels

Channel	Power Setting in dBm	
906MHz	10dBm	
914MHz	10dBm	
924MHz	10dBm	

Block Diagram



Test Report No.: 19660079 001 Date: 19.03.2014 Page 7 of 29

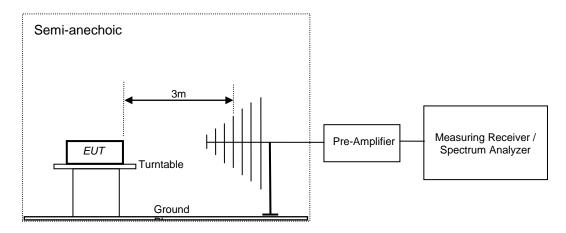


Test Methodology

Radiated Emission Test

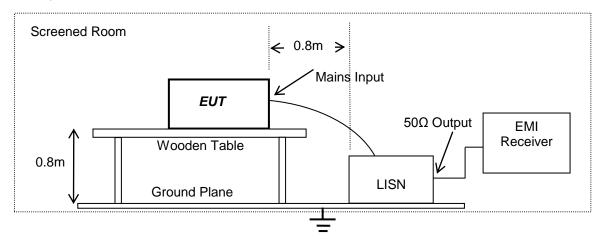
The radiated emission measurement was performed according to the procedures in ANSI C63.4-2003. The equipment under test (EUT) was placed at the middle of the 80 cm high turntable, and the EUT is 3 meters far from the measuring antenna. The turntable was rotated 360° for obtaining the maximum emission. The height of the measuring antennas was scanned between 1m and 4m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. Repeat the measurement steps until the maximum emissions were obtained. The measurement above 1000MHz was performed by horn antenna. The measurement below 30MHz was performed by loop antenna.

The EUT was rotated around the X-, Y-, and Z-Axis and the results from worst case axis are recorded.



Conducted Emission Test on A.C. mains line

The equipment under test (EUT) was placed on a wooden table 80cm above the ground plane, the LISN was place 80cm away from the EUT. The test was performed in accordance with ANSI C63.4: 2003, with the following: an initial measurement was performed in peak and average detection mode on the live and neutral lines. The pre-scan was performed by peak detection on both live and neutral conductors. Any emissions recorded within 20dB of the relevant limit line were re-measured using quasi-peak and average detections, the 6 worst cases was recorded in the table of results.



Test Report No.: 19660079 001 Date: 19.03.2014 Page 8 of 29



Test Results

Maximum Conducted Peak Output Power Result

Section 15.247(b) (3) Pass

Test Specification

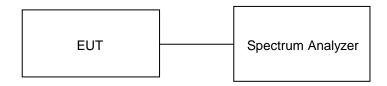
Measurement Bandwidth (RBW)

Detector Requirement FCC Part 15 Subpart C

1 MHz Peak

<1 watt (30dBm).

Test Method:



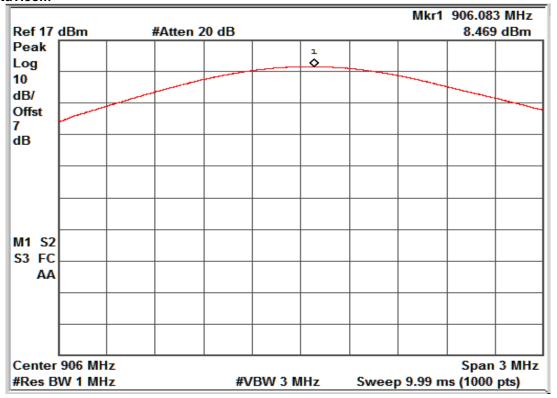
Note: Attenuator/cable (7dB) offset already part of measurement offset in spectrum analyzer.

Test Result:

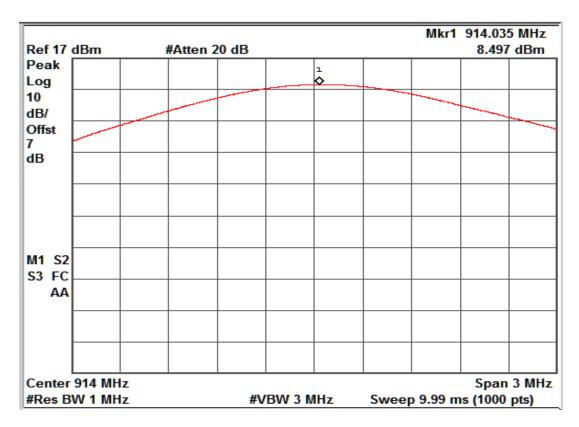
Frequency (MHz)	Total Output power (dBm)	Limit (dBm)	Margin (dB)
906	8.47	30.00	-21.53
914	8.50	30.00	-21.50
924	8.46	30.00	-21.54

Test Report No.: 19660079 001 Date: 19.03.2014 Page 9 of 29





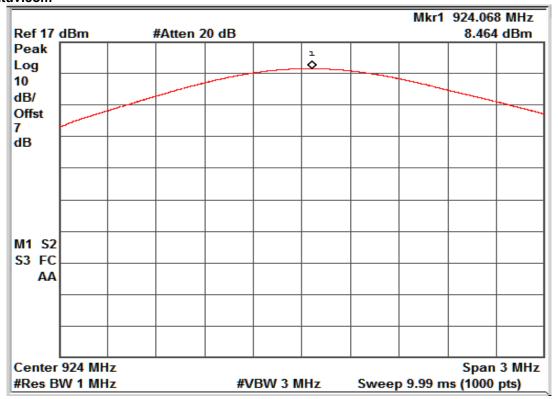
Channel Frequency: 906 MHz



Channel Frequency: 914 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 10 of 29





Channel Frequency: 924 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 11 of 29



Power Spectral Density Result

Section 15.247(e) Pass

Test Specification

FCC Part 15 Subpart C

Detector Function

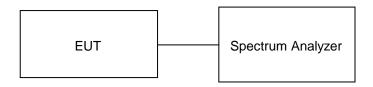
Peak

Requirement

For digitally modulated systems, the power spectral density conducted from the

intentional radiator to the antenna shall not be greater than 8 dBm.

Test Method:



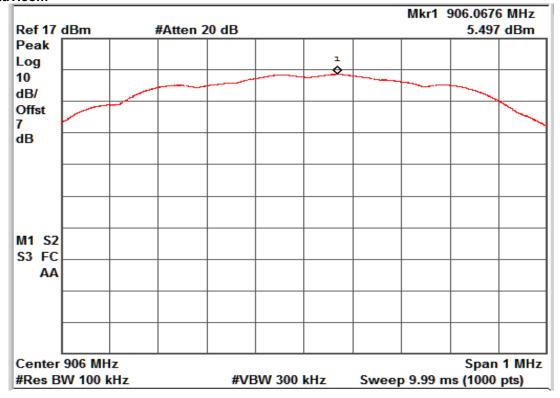
Note: Attenuator/cable (7dB) offset already part of measurement offset in spectrum analyzer.

Test Result:

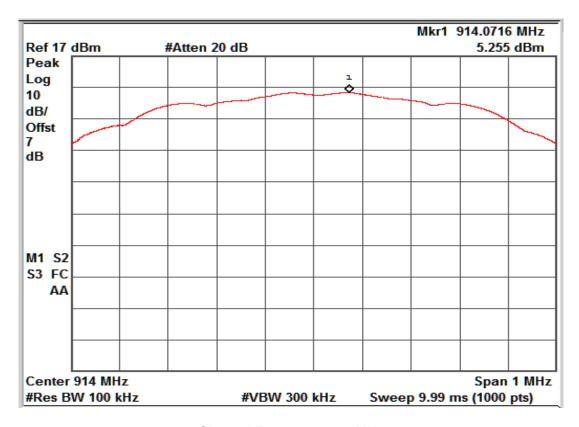
Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Margin (dB)
906	5.50	8.00	-2.50
914	5.26	8.00	-2.75
924	4.93	8.00	-3.07

Test Report No.: 19660079 001 Date: 19.03.2014 Page 12 of 29





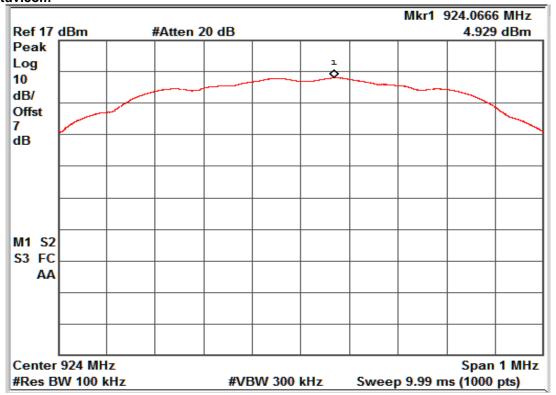
Channel Frequency: 906 MHz



Channel Frequency: 914 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 13 of 29





Channel Frequency: 924 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 14 of 29



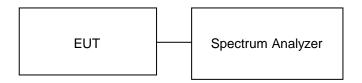
6 dB Bandwidth Result Section 15.247(a) (2)

Test Specification

FCC Part 15 Subpart C

Requirement The minimum 6 dB bandwidth shall be at least 500 kHz.

Test Method:



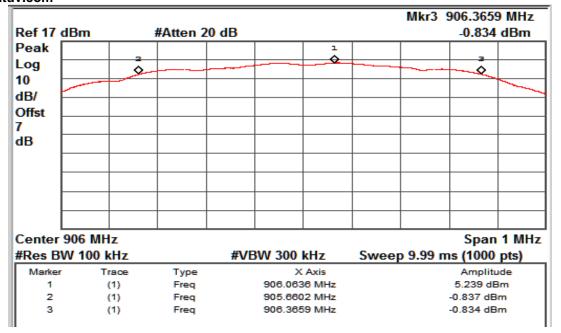
Note: Attenuator/cable (7dB) offset already part of measurement offset in spectrum analyzer.

Test Result:

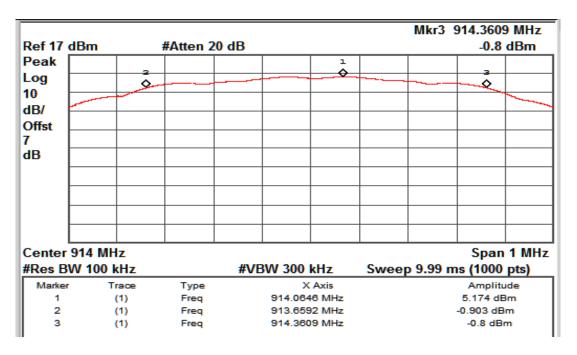
Frequency (MHz)	Lower Frequency (MHz)	Upper Frequency (MHz)	6 dB Bandwidth (MHz)	OBW (MHz)
906	906.37	905.66	0.71	1.0277
914	914.36	913.66	0.70	0.9988
924	924.36	923.66	0.70	0.9669

Test Report No.: 19660079 001 Date: 19.03.2014 Page 15 of 29





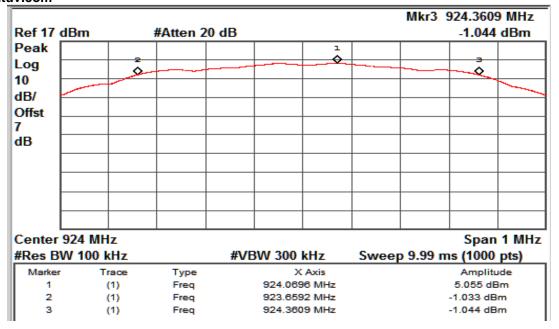
Channel frequency: 906 MHz



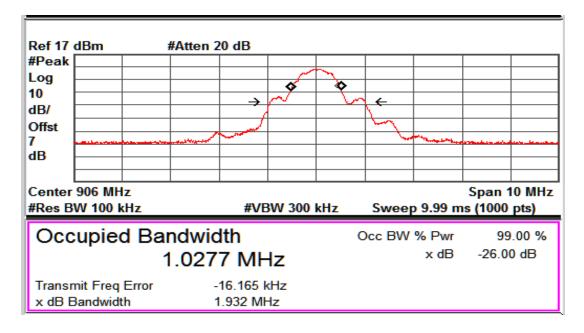
Channel frequency: 914 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 16 of 29





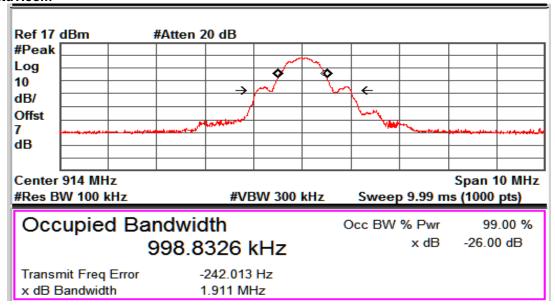
Channel frequency: 924 MHz



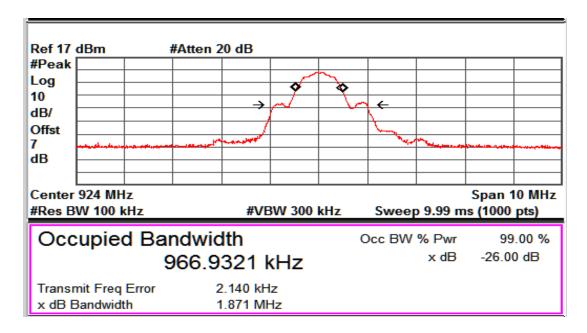
OBW Channel frequency: 906 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 17 of 29





OBW Channel frequency: 914 MHz



OBW Channel frequency: 924 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 18 of 29



Band-edge Compliance Result

Section 15.247(d)

Test Specification FCC Part 15 Subpart C

Detector Function Peak

Requirement If the peak output power procedure is used to measure the fundamental

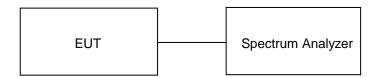
emission power to demonstrate compliance to 15.247(b)(3) requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20

dB relative to the maximum measured in-band peak PSD level.

If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to 15.247(b)(3) requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-

band average PSD level.

Test Method:



Note: Attenuator/cable (7dB) offset already part of measurement offset in spectrum analyzer.

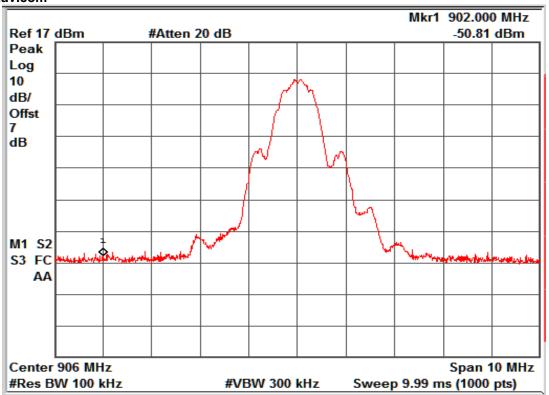
Test Result:

	Value at Band Edge				
Channel Frequency (MHz)	Band Edge Frequency (MHz)	Measured PSD Level*	Band Edge Value (dBm)	Value (dBc)	Limit (dB)
906	902	5.50	-50.81	-56.31	-20.00
924	928	4.93	-51.57	-56.50	-20.00

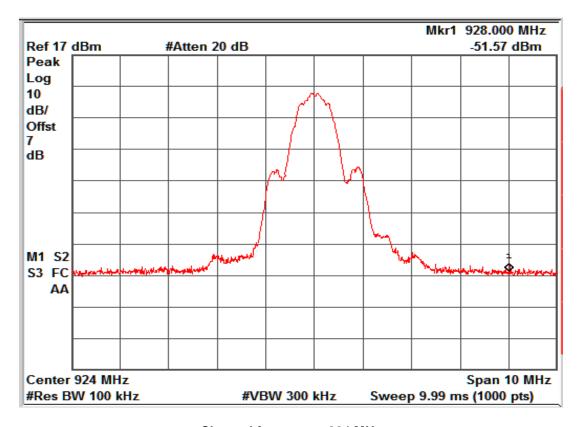
Note: The reference values are taken from the plots reported under the Power spectral Density Section 15.247(e).

Test Report No.: 19660079 001 Date: 19.03.2014 Page 19 of 29





Channel frequency: 906 MHz

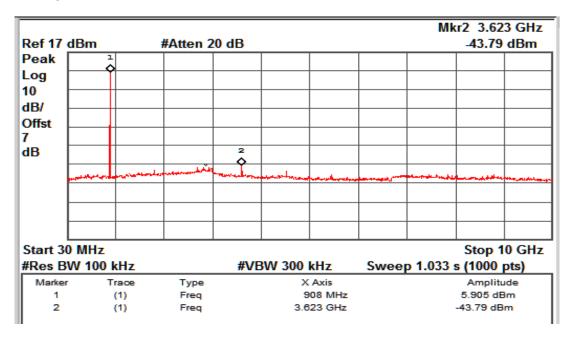


Channel frequency: 924 MHz

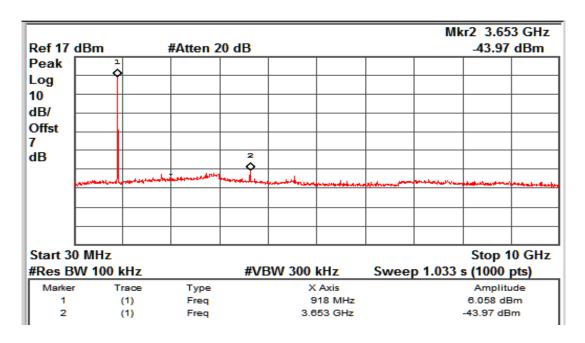
Test Report No.: 19660079 001 Date: 19.03.2014 Page 20 of 29



Conducted Spurious Emission



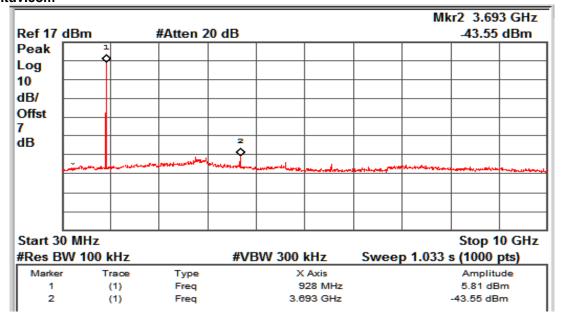
Channel frequency: 906 MHz



Channel frequency: 914 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 21 of 29





Channel frequency: 924 MHz

Test Report No.: 19660079 001 Date: 19.03.2014 Page 22 of 29



Spurious Radiated Emissions and Restricted Bands of Operation Result

Section 15.209 and 15.205 Pass

Test Specification FCC Part 15 Subpart C
Test Method ANSI C63.4-2003
Measurement Location Semi Anechoic Chamber

Measuring Distance 3m

Detection QP for frequency below 1GHz, Peak and Average for frequency

above 1GHz

Requirement As per the limits mentioned in the bellow table

Limit for Radiated Emission of Section 15.209:

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Distance of Measurement (m)
0.009 - 0.490	2400/F(kHz)	48.50 – 13.80	300*
0.490 – 1.705	24000/F(kHz)	33.80 – 23.00	30*
1.705 -30	30	29.54	30*
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Remark: * the limit shows in the table above of frequency range 0.009-0.490, 0.490-1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 88, 50-53.80, 53.80-43.00 and 49.5dB μ V/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Report No.: 19660079 001 Date: 19.03.2014 Page 23 of 29



Test result:

Antenna Type: External Antenna

Channel	polarization	Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
		906.10	101.06	*	-
		1812(Pk)	47.55	74	-26.45
		1812(Av)	43.25	54	-10.75
		2718(Pk)	46.92	74	-27.08
		2718(Av)	38.54	54	-15.46
	Vertical	3624(Pk)	48.83	74	-25.17
		3624(Av)	42.12	54	-11.88
		4529.8(Pk)	53.18	74	-20.82
		4530(Av)	43.94	54	-10.06
		5436(Pk)	53.86	74	-20.14
Low		5436(Av)	45.74	54	-08.26
(906MHz)		906.18	94.50	*	-
		1812(Pk)	49.18	74	-24.82
		1812(Av)	45.08	54	-08.92
		2718(Pk)	46.51	74	-27.49
		2718(Av)	38.59	54	-15.41
	Horizontal	3624(Pk)	50.77	74	-23.23
		3624(Av)	46.06	54	-07.94
		4530(Pk)	51.78	74	-22.22
		4530(Av)	43.09	54	-10.91
		5436(Pk)	52.54	74	-21.46
		5436(Av)	44.26	54	-09.74
		914.04	101.46	*	-
		1828(Pk)	54.62	74	-19.38
		1828(Av)	40.69	54	-13.31
	Vertical	2742(Pk)	47.48	74	-26.52
		2742Av)	38.92	54	-15.08
		3656(Pk)	49.00	74	-25.00
		3656(Av)	42.82	54	-11.18
		4570(Pk)	52.94	74	-21.06
		4570(Av)	44.90	54	-09.10
Mid		5484(Pk)	53.17	74	-20.83
Mid (914MHz)		5484(Av)	45.29	54	-08.71
(314101112)		914.05	93.88	*	1
		1828(Pk)	47.51	74	-26.49
		1828(Av)	42.76	54	-11.24
		2742(Pk)	47.32	74	-26.68
	Horizontal	2742(Av)	39.30	54	-14.70
	rionzoniai	3656(Pk)	50.87	74	-23.13
		3656(Av)	45.44	54	-8.56
		4570(Pk)	51.14	74	-22.86
		4570(Av)	42.33	54	-11.67
		5484(Pk)	52.63	74	-21.37

Test Report No.: 19660079 001 Date: 19.03.2014 Page 24 of 29



W.LUV.COIII					
		5484(Av)	44.28	54	-09.72
		924.04	101.18	*	-
		1848(Pk)	43.25	74	-30.75
		1848(Av)	37.70	54	-16.30
		2772(Pk)	48.51	74	-25.49
		2772(Av)	41.35	54	-12.65
	Vertical	3696(Pk)	50.24	74	-23.76
		3696(Av)	44.30	54	-9.70
		4620(Pk)	53.72	74	-20.28
		4620(Av)	46.20	54	-7.80
		5544(Pk)	53.48	74	-20.52
High		5544(Av)	45.63	54	-8.37
(924MHz)		924.04	92.45	*	-
		1848(Pk)	45.55	74	-28.45
		1848(Av)	40.19	54	-13.81
		2772(Pk)	47.92	74	-26.08
		2772(Av)	40.00	54	-14.00
	Horizontal	3696(Pk)	51.26	74	-22.74
		3696(Av)	45.46	54	-8.54
		4620(Pk)	52.93	74	-21.07
		4620(Av)	45.22	54	-8.78
		5544(Pk)	52.88	74	-21.12
		5544(Av)	45.36	54	-8.64

Antenna Type: UFL-cable integrated with Antenna

Channel	polarization	Frequency (MHz)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
		906.10	89.49	*	-
		1812(Pk)	47.88	74	-26.12
		1812(Av)	44.13	54	-9.87
		2718(Pk)	46.34	74	-27.66
		2718(Av)	38.69	54	-15.31
	Vertical	3624(Pk)	50.26	74	-23.74
		3624(Av)	44.43	54	-9.57
		4529.8(Pk)	52.80	74	-21.20
		4530(Av)	44.31	54	-9.69
		5436(Pk)	52.89	74	-21.11
Low		5436(Av)	42.21	54	-11.79
		906.18	85.87	*	-
	Horizontal	1812(Pk)	49.46	74	-24.54
		1812(Av)	45.95	54	-8.05
		2718(Pk)	49.41	74	-24.59
		2718(Av)	42.29	54	-11.71
		3624(Pk)	56.40	74	-17.60
		3624(Av)	53.09	54	-0.91
		4530(Pk)	54.61	74	-19.39
		4530(Av)	46.37	54	-7.63
		5436(Pk)	54.22	74	-19.78

Test Report No.: 19660079 001 Date: 19.03.2014 Page 25 of 29



w.tuv.com	İ	1 1		1	1
		5436(Av)	44.84	54	-9.16
		914.04	89.20		-
		1828(Pk)	44.20	74	-29.80
		1828(Av)	39.27	54	-14.73
		2742(Pk)	46.69	74	-27.31
		2742Av)	39.12	54	-14.88
	Vertical	3656(Pk)	50.91	74	-23.09
		3656(Av)	45.07	54	-8.93
		4570(Pk)	55.68	74	-18.32
		4570(Av)	48.06	54	-5.94
		5484(Pk)	52.17	74	-21.83
Mid		5484(Av)	41.46	54	-12.54
IVIIG		914.05	84.78	*	-
		1828(Pk)	44.03	74	-29.97
		1828(Av)	38.97	54	-15.03
		2742(Pk)	49.44	74	-24.56
		2742(Av)	42.96	54	-11.04
	Horizontal	3656(Pk)	52.44	74	-21.56
		3656(Av)	48.16	54	-5.84
		4570(Pk)	56.10	74	-17.90
		4570(Av)	49.24	54	-4.76
		5484(Pk)	52.62	74	-21.38
		5484(Av)	42.99	54	-11.01
		924.04	89.19	*	-
		1848(Pk)	40.25	74	-33.75
		1848(Av)	32.59	54	-21.41
		2772(Pk)	46.99	74	-27.01
		2772(Av)	39.28	54	-14.72
	Vertical	3696(Pk)	51.14	74	-22.86
		3696(Av)	45.24	54	-8.76
		4620(Pk)	55.85	74	-18.15
		4620(Av)	49.11	54	-4.89
		5544(Pk)	52.79	74	-21.21
1.12.1.		5544(Av)	40.94	54	-13.06
High		924.04	84.07	*	-
		1848(Pk)	40.54	74	-33.46
		1848(Av)	32.07	54	-21.93
		2772(Pk)	49.19	74	-24.81
		2772(Av)	42.11	54	-11.89
	Horizontal	3696(Pk)	52.97	74	-21.03
		3696(Av)	48.88	54	-5.12
		4620(Pk)	57.57	74	-16.43
		4620(Av)	51.41	54	-2.59
	-	5544(Pk)	52.99	74	-21.01
		5544(Av)	44.79	54	-9.21

* - -> Fundamental Frequency

Pk - > Peak Detector Av->Average Detector

Test Report No.: 19660079 001 Date: 19.03.2014 Page 26 of 29



Conducted Emission Test on A.C. Power Line Result

Section 15.207 Pass

FCC Part 15 Section 15.207

Test Specification : FCC Part 15 Section
Test Method : ANSI C63.4-2003
Testing Location : Screened room
Measurement Bandwidth : 9kHz
Frequency Range : 150kHz – 30MHz
Supply Voltage : 120VAC,60Hz

Limit of section 15.207

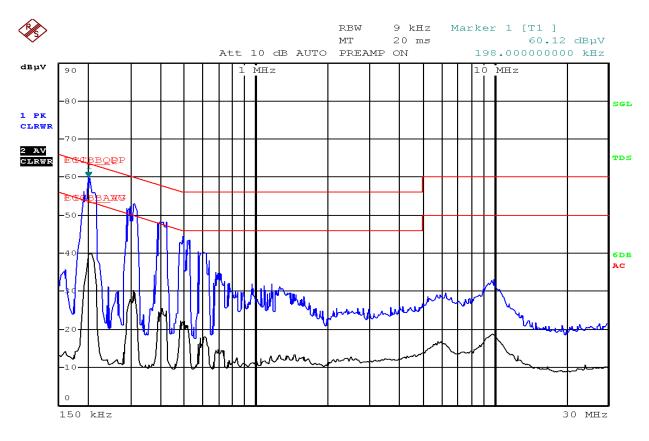
Frequency of Emission (MHz)	QP Limit (dBμV)	AV Limit (dBμV/m)
0.15 – 0.5	66 – 56*	56 – 46*
0.5 – 5	56	46
5 – 30	60	50

^{*} Decreases with the logarithm of the frequency

Test Report No.: 19660079 001 Date: 19.03.2014 Page 27 of 29



Test Result:



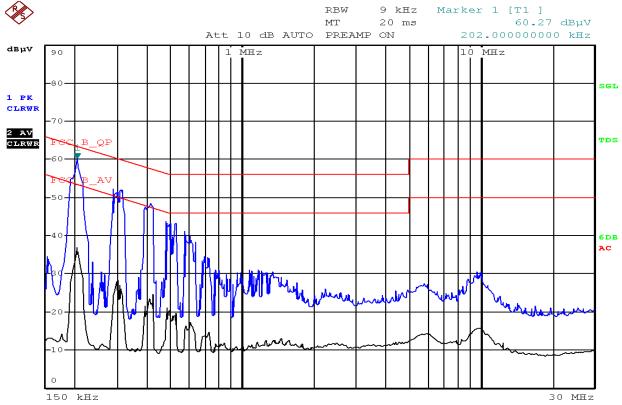
	EDIT PEAK LIST (Final Measurement Results)					
Tra	Tracel: FCC_B_QP					
Tra	ce2:	FCC_B_AV				
Tra	ce3:					
	TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB		
1	Quasi Peak	198 kHz	55.99 L1	-7 . 69		
1	Quasi Peak	306 kHz	49.46 L1	-10.60		
1	Quasi Peak	394 kHz	44.40 L1	-13.57		
2	Average	202 kHz	39.41 L1	-14.11		
1	Quasi Peak	494 kHz	39.04 L1	-17.05		
1	Quasi Peak	526 kHz	37.83 L1	-18.16		
2	Average	306 kHz	29.30 L1	-20.77		
1	Quasi Peak	574 kHz	35.21 L1	-20.78		
2	Average	402 kHz	23.80 L1	-24.00		
2	Average	498 kHz	21.60 L1	-24.42		
2	Average	606 kHz	16.73 L1	-29.26		
2	Average	9.706 MHz	18.04 L1	-31.95		
		I .				

Mode: Line

Test Report No.: 19660079 001 Date: 19.03.2014 Page 28 of 29







	EDIT PEAK LIST (Final Measurement Results)					
Tra	Tracel: FCC_B_QP					
Tra	ce2:	FCC_B_AV				
Tra	ce3:					
	TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB		
1	Quasi Peak	202 kHz	55.84 N	-7 . 68		
1	Quasi Peak	410 kHz	43.72 N	-13.92		
1	Quasi Peak	286 kHz	46.40 N	-14.23		
2	Average	202 kHz	34.98 N	-18.53		
1	Quasi Peak	478 kHz	37.44 N	-18.92		
1	Quasi Peak	526 kHz	36.83 N	-19.16		
1	Quasi Peak	574 kHz	33.93 N	-22.06		
2	Average	298 kHz	26.75 N	-23.54		
2	Average	418 kHz	22.26 N	-25.22		
2	Average	482 kHz	19.29 N	-27.01		
2	Average	606 kHz	16.15 N	-29.84		
2	Average	10.018 MHz	15.18 N	-34.81		
		l				

Mode: Neutral

Test Report No.: 19660079 001 Date: 19.03.2014 Page 29 of 29