



	3567					
Prüfbericht-Nr.: Test report no.:	CN21YVQP(P15C-BLE) 001	Auftrags-Nr.: Order no.:	238518387	Seite 1 von 27 Page 1 of 27		
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2021-08-02			
Auftraggeber: Client:	Hon Hai Precision Industry C No.151, Sec. 1, Nankan Rd.,		ın City 33859, Taiwa	n (R.O.C.)		
Prüfgegenstand: Test item:	802.11a/b/g/n/ac WLAN 2T2F	R + BT v5.1 Combo	Module			
Bezeichnung / Typ-Nr.: Identification / Type no.:	WBU063-VZ					
Auftrags-Inhalt: Order content:	FCC Part 15C Test report (Bl	_E)				
Prüfgrundlage: Test specification:	FCC 47CFR Part 15: Subpart	t C Section 15.247				
Wareneingangsdatum: Date of sample receipt:	2021-08-03					
Prüfmuster-Nr.: Test sample no:	A003103482-001 A003103482-006					
Prüfzeitraum: Testing period:	2021-08-11 - 2021-09-07					
Ort der Prüfung: Place of testing:	EMC/RF Taipei Testing Site	-				
Prüflaboratorium: Testing laboratory:	Taipei Testing Laboratories					
Prüfergebnis*: Test result*:	Pass					
überprüft von: compiled by:		genehmigt von: authorized by:				
Datum:		Ausstellungsdat	um:			
Date: 2021-09-10	David Huang	Issue date: 2021	I-09-10 Bre	enda Chen		
Stellung / Position:	Project Manager	Stellung / Positio	on: Senior F	Project Manager		
Sonstiges / Other: Zustand des Prüfgegens			dig und unbeschädig	t		
Condition of the test item	at delivery:	Test item complete	and undamaged			
* Legende: 1 = sehr gut P(ass) = entspricht c * Legend: 1 = very good	2 = gut $3 = befriedigend$ $u.g.$ Prüfgrundlage(n) $F(ail) = entspricht r2 = good3 = satisfactory$	nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar 4 = sufficient	5 = mangelhaft N/T = nicht geteste 5 = $poor$		
P(ass) = passed a.n	f(ail) = failed a.m.	test specification(s)	N/A = not applicable	N/T = not tested		
auszugsweise vervie This test report only relates t	zieht sich nur auf das o.g. Prüfmu elfältigt werden. Dieser Bericht b to the a. m. test sample. Without pe licated in extracts. This test report o	erechtigt nicht zur V rmission of the test ce	erwendung eines Prü	fzeichens.		
•	licated in extracts. This test report of Rheinland Taiwan Ltd, 11E, No. 758, S					

TUV Rheinland Taiwan Ltd. 11F., No. 758, Sec. 4, Bade Rd., Taipei 105, Taiwan, R.O.C. Mail: service-gc@tuv.com · Web: www.tuv.com



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TEST SUMMARY

Report Section	FCC Clause	Test Item	Result
5.1.1	15.247(b) & 15.203	Antenna Requirement	Pass
5.1.2	15.247(b)(3)	Peak Output Power	Pass
5.1.3	15.247(a)(2)	6 dB Bandwidth	Pass
5.1.3	2.1049	99% Occupied Bandwidth	Pass
5.1.4	15.247(e)	Power Spectral Density	Pass
5.1.5	15.247(d)	Conducted Spurious Emissions and Band Edges	Pass
5.1.6	15.247(d) & 15.205 & 15.209	Radiated Spurious Emissions and Band Edges	Pass
5.2.1	15.207	Mains Conducted Emission	Pass

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



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	Bandwidth2	0
5.1.6	Radiated Spurious Emissions and Band Edges2	1
5.2 M	AINS EMISSION	6



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Appendix A - Test Result of Conducted

Appendix B - Test Result of Radiated Emissions & Mains Conducted Emission for ANT 1

Appendix C - Test Result of Radiated Emissions for ANT 2, 3

Appendix D - Test Result of Radiated Emissions for ANT 4

Appendix SP - Photographs of Test Setup

Appendix EP - Photographs of EUT



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HISTORY OF THIS TEST REPORT

Report No.	Description	Date Issued
CN21YVQP(P15C-BLE) 001	Original Release	2021-09-10



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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix: **Appendix A - Test Result of Conducted**

Appendix B - Test Result of Radiated Emissions & Mains Conducted Emission for ANT 1

Appendix C - Test Result of Radiated Emissions for ANT 2, 3

Appendix D - Test Result of Radiated Emissions for ANT 4

Appendix SP - Photographs of Test Setup

Appendix EP - Photographs of EUT

Applied Standard and Test Levels

Radio FCC 47CFR Part 15: Subpart C Section 15.247 FCC 47CFR Part 2: Subpart J Section 2.1049 ANSI C63.10:2013 KDB 558074 D01 15.247 Meas Guidance v05r02

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.



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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.: 226631 ISED Registration No.: 25563



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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)	± 1.30 dB
Radiated Emission (200 MHz ~ 1 GHz)	± 1.30 dB
Radiated Emission (1 GHz ~ 18 GHz)	± 1.54 dB
Radiated Emission (18 GHz ~ 40 GHz)	± 2.52 dB
Mains Conducted Emission	± 1.65 dB



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3. General Product Information

3.1 Product Function and Intended Use

The EUT is a 802.11a/b/g/n/ac WLAN 2T2R + BT v5.1 Combo Module. It contains a Bluetooth compatible module enabling the user to communicate data through a Wireless interface. 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	802.11a/b/g/n/ac WLAN 2T2R + BT v5.1 Combo Module
Type Identification	WBU063-VZ
FCC ID	RX3-WBU063VZ

Technical Specification of EUT

Item		EUT information					
Operating Frequency		2402 MHz ~ 2480 MHz					
Channel S	pacing	2 MHz	2 MHz				
Channel N	lumber	40					
Data Rate		1Mbps, 2Mbps					
Operation	Voltage	5Vdc					
Modulation	า	GFSK					
Maximum	Output Power (mW)	8.05					
Antenna Ir	nformation	Refer to Note 1	Refer to Note 1				
Accessory Device Refer to 4.4							
Note 1:					-	_	
ANT	SN/Model #	Supplier Name	Cable Length	Туре	Gain (dBi)	Placement	
1	6903B0000P000	Foxconn	390mm	PIFA	2.47	External	
2	6903B0000V000	Foxconn	190mm	PIFA	0.133	External	
3	6903B0000N000	Foxconn	Foxconn 230mm PIFA			External	
4	6903B0000Q000	Zhong Tian Xun	Zhong Tian Xun 230mm PIFA 2.04 E				
5	6903B0000U000	Zhong Tian Xun	190mm	PIFA	1.95	External	
6	6903B0000R000	Zhong Tian Xun	390mm	PIFA	1.42	External	



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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



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4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The test modes were adapted accordingly in reference to the instructions for use. During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output expected by the customer and is going to be fixed on the firmware of the final end product.

Table for Parameters of Test Software Setting

Frequency (MHz)	Power Setting		
2402	6		
2440	6		
2480	6		

4.2 Carrier Frequency and Channel

Channel	Freq. (MHz)						
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480



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4.3 Test Operation and Test Software

Setup for testing: Test samples are provided with a USB interface which makes it possible to control them through a test software installed on a notebook computer.

This software was running on the laptop computer connected to the EUT. It was used to enable the operation modes listed as below.

Test Software WCN_Combo_Tool	
------------------------------	--

The samples were used as follows:

A003103482-001 for radiated test

A003103482-006 for conducted test

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

EUT Configure Mode	Antenna Port Conducted Measurement	Radiated Spurious Emissions above 1 GHz	Radiated Spurious Emissions below 1 GHz	Mains Conducted Emission	Description (ANT SN/Model #)
ANT 1		\checkmark			-
ANT 2	-	\checkmark	-	-	-
ANT 3	-	\checkmark	-	-	-
ANT 4	-	\checkmark	-	-	-

Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when position on Y-plane.

"-" means no effect. 2.

3. For Radiated Spurious Emissions test, we only evaluate the worst case of all antennas.

Antenna Port Conducted Measurement

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)	Date Rate (Mbps)
ANT 1	2402 to 2480	2402, 2440, 2480	1
ANT 1	2402 to 2480	2402, 2440, 2480	2

Radiated Spurious Emissions (Above 1 GHz)

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

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

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	Date Rate (Mbps)
ANT 1	2402 to 2480	2402, 2440, 2480	1, 2
ANT 2	2402 to 2480	2480	2
ANT 3	2402 to 2480	2480	2
ANT 4	2402 to 2480	2480	2

Radiated Spurious Emissions (Below 1 GHz)

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)	Date Rate (Mbps)
ANT 1	2402 to 2480	2480	2



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Mains Conducted Emission

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) Date Rate					
	ANT 1	2402 to 2480	2480	2			

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Conducted Measurement	24.7 °C	55-57.4 %	Nick Hsu
Radiated Spurious Emissions above 1 GHz	23.1-25.1 °C	50-60 %	Eagle Tsai
Radiated Spurious Emissions below 1 GHz	23.1-25.1 °C	50-60 %	Eagle Tsai
Mains Conducted Emission	21.9 °C	59 %	Simon Tsai

4.4 Special Accessories and Auxiliary Equipment

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

Accessory of EUT

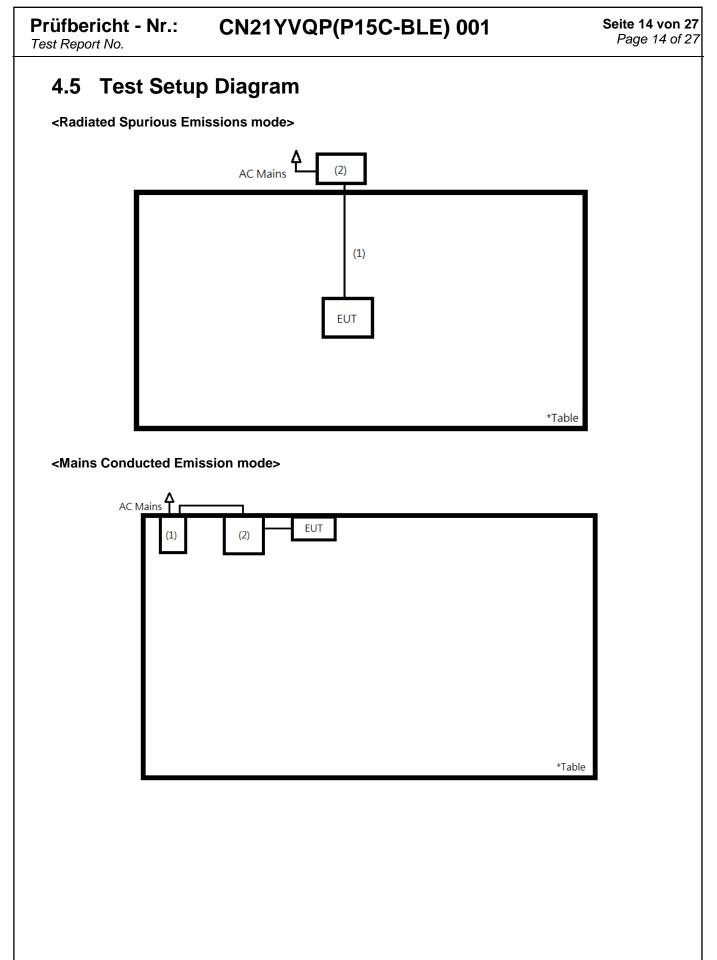
None.

Support Unit

No.	Description	Brand	Model S/N		Remark					
	Radiated Test									
1	USB Cable	Pro-best	MK-USBMF-3M	-	300 cm shielded cable w/o core					
2	Notebook	HP	15s-du0007TX	CND93662VF	-					
		Mains	S Conducted Test							
1	Adapter	HP	TPN-CA16	-	180 cm non-shielded cable w/o core					
2	Notebook	HP	15s-du0007TX	CND93662VF	-					
	Conducted Test									
-	Notebook	LENOVO	TP00094A	PF-1GT015	-					

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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's antenna specifications are described as below. The antenna is used with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

ANT	SN/Model #	Supplier Name	Cable Length	Туре	Gain (dBi)	Placement
1	6903B0000P000	Foxconn	390mm	PIFA	2.47	External
2	6903B0000V000	Foxconn	190mm	PIFA	0.133	External
3	6903B0000N000	Foxconn	230mm	PIFA	4.28	External
4	6903B0000Q000	Zhong Tian Xun	230mm	PIFA	2.04	External
5	6903B0000U000	Zhong Tian Xun	190mm	PIFA	1.95	External
6	6903B0000R000	Zhong Tian Xun	390mm	PIFA	1.42	External

Refer to EUT photo for details.





Test Instruments

Kind of	Manufacturer	Monufacturar Turna S/N		Calibration	Calibration	Test	Date
Equipment		Туре	e S/N	Date	Due Date	From	Until
Power Meter	Anritsu	ML2495A	1901008	2021/3/24	2022/3/23	2021/9/7	2021/9/7
Power Sensor	Anritsu	MA2411B	1725269	2021/3/24	2022/3/23	2021/9/7	2021/9/7

Test Procedures

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.



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Test Result

Peak Output Power

<1Mbps>

Channel	Channel Frequency	Peak Output Power		Limit	
	(MHz)	(dBm)	(mW)	(dBm)	
Low Channel	2402	8.35	6.84	30	
Middle Channel	2440	8.63	7.29	30	
High Channel	2480	8.78	7.55	30	

<2Mbps>

Channel	Channel Frequency	Peak Output Power		Limit	
	(MHz)	(dBm)	(mW)	(dBm)	
Low Channel	2402	8.48	7.05	30	
Middle Channel	2440	8.52	7.11	30	
High Channel	2480	9.06	8.05	30	

Average Power

<1Mbps>

Channel	Channel Frequency	Average Power		
	(MHz)	(dBm)	(mW)	
Low Channel	2402	8.11	6.47	
Middle Channel	2440	8.39	6.90	
High Channel	2480	8.58	7.21	

<2Mbps>

Channel	Channel Frequency	Average Power		
	(MHz)	(dBm)	(mW)	
Low Channel	2402	8.18	6.58	
Middle Channel	2440	8.25	6.68	
High Channel	2480	8.83	7.64	



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5.1.3 6 dB Bandwidth and 99% Occupied Bandwidth

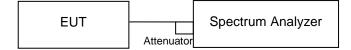
Limit

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

Kind of Test Site

Shielded room

Test Setup



Test Instruments

Kind of	Manufacturer	Apputacturar Tura S/N		Calibration	Calibration	Test Date	
Equipment		Туре	S/N	Date	Due Date	From	Until
Spectrum Analyzer	R&S	FSV40	101512	2021/1/29	2022/1/28	2021/9/6	2021/9/6

Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz a.
- Set the video bandwidth (VBW) \ge 3 x RBW, Detector = Peak. b.
- Trace mode = max hold. C.
- Sweep = auto couple. d.
- Measure the maximum width of the emission that is constrained by the frequencies associated with e. the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- f. For 99% occupied bandwidth measurement, 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 PEAK. 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.

Test Results

Please refer to Appendix A.



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5.1.4 Power Spectral Density

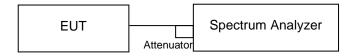
Limit

The power spectral density shall not be greater than 8 dBm in any 3 kHz band.

Kind of Test Site

Shielded room

Test Setup



Test Instruments

Kind of	Manufacturer	Turpo	S/N	Calibration Calibrat		Test Date	
Equipment	Manufacturer	Туре	5/17	Date	Due Date	From	Until
Spectrum Analyzer	R&S	FSV40	101512	2021/1/29	2022/1/28	2021/9/6	2021/9/6

Test Procedure

- a. Set analyzer center frequency to DTS channel center frequency.
- b. Set the span to 1.5 times the DTS bandwidth.
- c. Set the RBW to: $3 \text{ kHz} \le \text{RBW} \le 100 \text{ kHz}$.
- d. Set the VBW \geq 3 × RBW.
- e. Detector = peak.
- f. Sweep time = auto couple.
- g. Trace mode = max hold.
- h. Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW. i.

Test Results

Please refer to Appendix A.



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5.1.5 Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth									
Limit									
20dB (below power.)	that in the 100	kHz bandwid	dth within the l	oand that cor	ntains the higl	nest level of	the desired		
Kind of Test Site Shielded room									
Test Setup									
EUT Spectrum Analyzer Attenuator									
Kind of Equipment	Manufacturer	Туре	S/N	Calibration Date	Calibration Due Date	Test From	Date Until		
Spectrum Analyzer	R&S	FSV40	101512	2021/1/29	2022/1/28	2021/9/6	2021/9/6	1	

Test Procedure

Measurement procedure REF

- 1. Set the RBW = 100 kHz.
- 2. Set the VBW \geq 300 kHz.
- 3. Detector = peak.
- 4. Sweep time = auto couple.
- 5. Trace mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

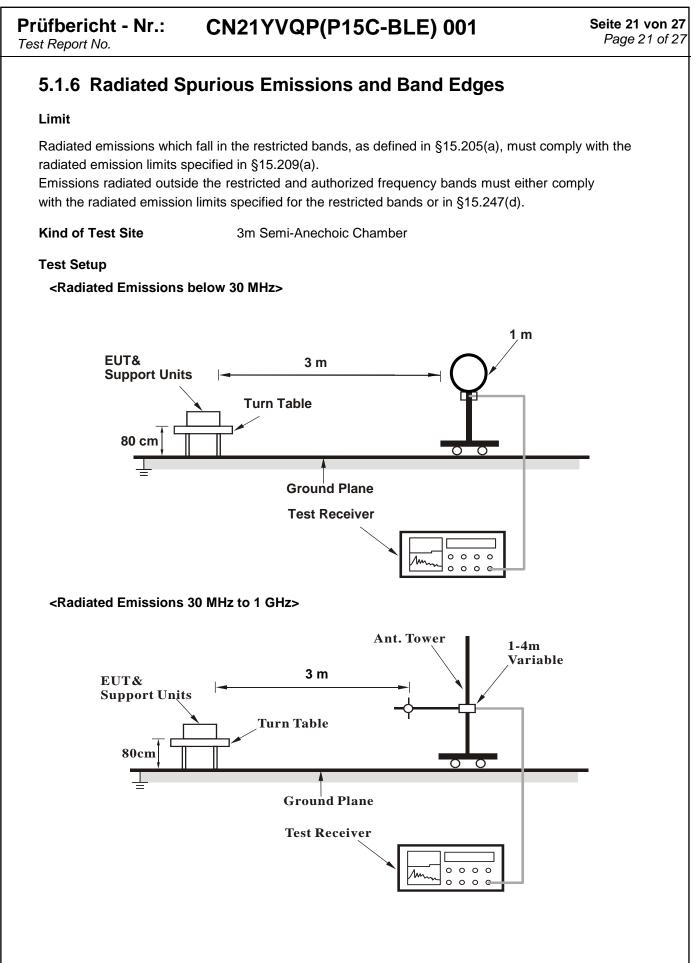
Measurement procedure OOBE

- 1. Set RBW = 100 kHz.
- 2. Set VBW ≥ 300 kHz.
- 3. Detector = peak.
- 4. Sweep = auto couple.
- 5. Trace Mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum amplitude level.

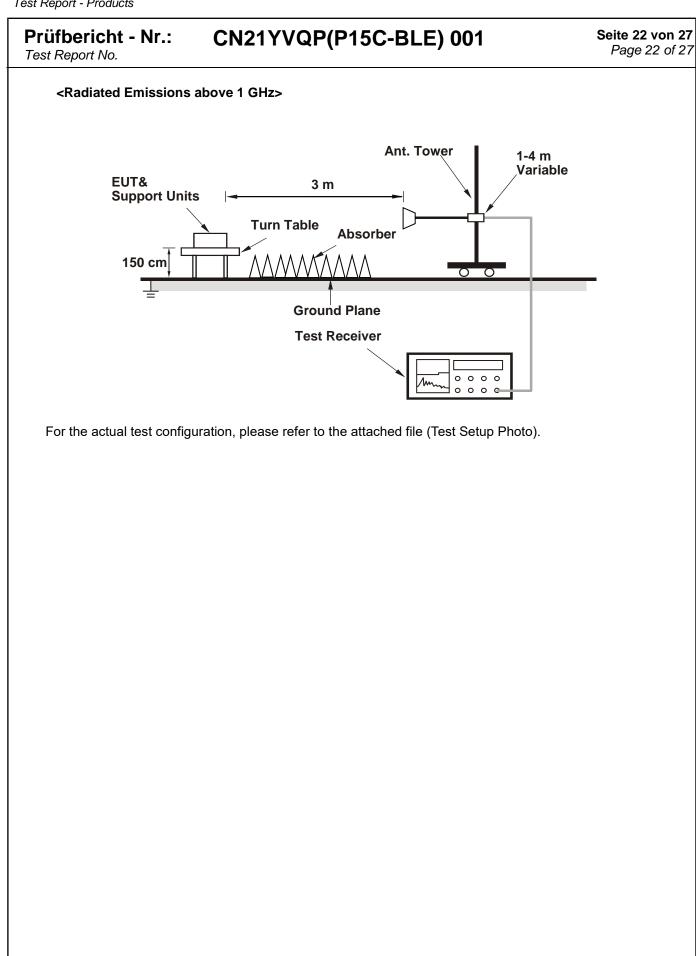
Test Results

Please refer to Appendix A.











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Test Instruments

Kind of	Manufacturer	Туре	S/N	Calibration	Calibration
Equipment Signal Analyzer	R&S	FSV40	101508	Date 2021/3/16	Due Date 2022/3/15
Receiver	R&S	ESR7	102109	2021/3/16	2022/3/15
Bilog Antenna	SCHWARZBECK	VULB-9168	00951	2021/2/18	2022/2/17
Horn Antenna	ETS-Lindgren	3117	00218930	2020/12/1	2021/11/30
LF-AMP	Agilent	8447D	2944A10772	2021/2/18	2022/2/17
HF-AMP + AC source	EMCI	EMC051845SE	980633	2021/2/9	2022/2/8
HF-AMP + AC source	EMCI	EMC184045SE	980657	2021/2/1	2022/1/31
Horn Antenna	SCHWARZBECK	BBHA 9170	00887	2021/4/8	2022/4/7
Microwave Cable	HUBER+SUHNER	SUCOFLEX 104EA	800056/4EA	2021/3/17	2022/3/16
Microwave Cable	HUBER+SUHNER	SUCOFLEX 104	804680/4	2021/3/17	2022/3/16
Microwave Cable	HUBER+SUHNER	SUCOFLEX 104	MY37202/4	2021/3/17	2022/3/16
Microwave Cable	HUBER+SUHNER	SUCOFLEX 102EA	800898/2EA	2021/4/16	2022/4/15
Microwave Cable	HUBER+SUHNER	SUCOFLEX 102EA	800901/2EA	2021/4/16	2022/4/15
Microwave Cable	HUBER+SUHNER	SUCOFLEX 102EA	801027/2EA	2021/4/16	2022/4/15
Loop Antenna	Chance Most	EMCILPA600 +calibration	287	2021/1/15	2022/1/14



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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.

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. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98 %) or 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.
- 5. 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.



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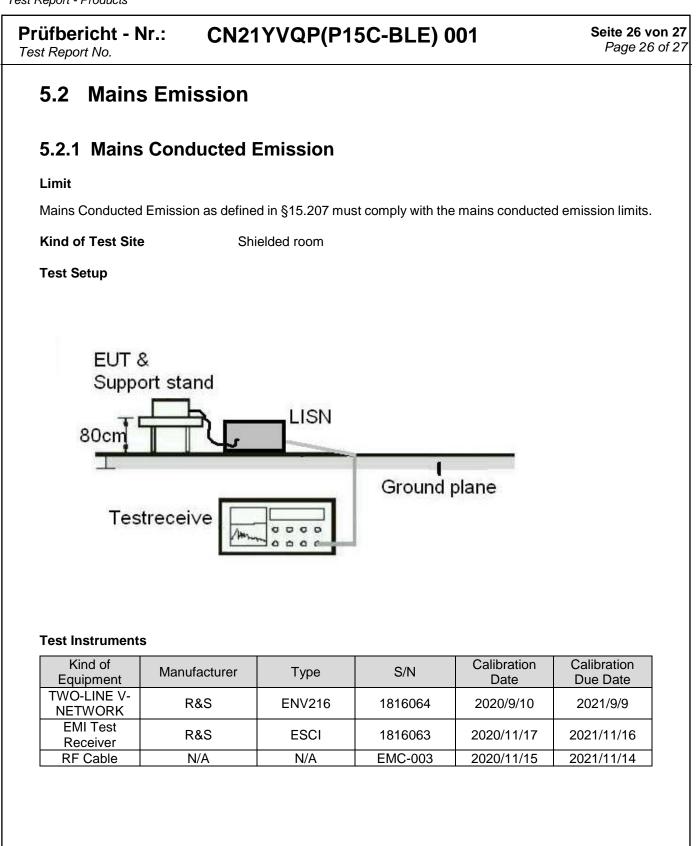
Test Results

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

Please refer to Appendix B, C, D.

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Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

Test Results

Please refer to Appendix B.