RF Test Report

Applicant	:	Edimax Technology Co., Ltd.
Product Type	:	11ac Wireless Dual-Band Selectable USB Adapter
Trade Name	:	EDIMAX
Model Number	:	EW-7822UNC, EW-7822ULC
Applicable Standard	:	ETSI EN 300 328 V2.2.2 (2019-07) AS/NZS 4268:2017 Row 59
Received Date	:	Jul. 27, 2016
Test Period	:	Aug. 30, 2016 ~ Apr. 15, 2020
Issued Date	:	Jul. 20, 2020

Issued by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range : 9 kHz to 40 GHz

Note:

1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
2.This report shall not be reproduced except in full, without the written approval of A Test Lab Technology Corporation.
3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Rev.	Issued Date	Revisions	Revised By
00	Jul. 20, 2020	Initial Issue	Tobey Cheng

Verification of Compliance

Applicant	:	Edimax Technology Co., Ltd.
Product Type	:	11ac Wireless Dual-Band Selectable USB Adapter
Trade Name	:	EDIMAX
Model Number	:	EW-7822UNC, EW-7822ULC
EUT Rated Voltage	:	DC 5.0 V
Test Voltage	:	DC 5.0 V
Applicable Standard	:	ETSI EN 300 328 V2.2.2 (2019-07) AS/NZS 4268:2017 Row 59
Test Result	:	Complied
Performing Lab.	:	A Test Lab Techno Corp. No. 140-1, Changan Street, Bade District, Taoyuan City 33465, Taiwan (R.O.C.) Tel：+886-3-2710188 / Fax：+886-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330 http://www.atl-lab.com.tw/e-index.htm

The above equipment has been tested by A Test Lab Techno Corp., and found compliance with the requirements set forth in the RED: Directive 2014/53/EU and technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By : Fly Lu

(Manager) (Fly Lu)

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1 General Information

1.1. EUT Description

Applicant	Edimax Technology Co., Ltd. No.278, Xinhu 1st Rd., Neihu Dist., Taipei City, Taiwan			
Manufacturer	Edimax Technology Co., Ltd. No.278, Xinhu 1st Rd., Neihu Dist., Taipei City, Taiwan			
Product Type	11ac Wireless Dual-Band Selectable USB Adapter			
Trade Name	EDIMAX			
Model Number	EW-7822UNC, EW-7822ULC			
Model Different Description	Those model numbers differ from each other in selling region.			
Operate Freq. Band	Frequency Range (MHz)	Modulation	Channel Bandwidth	Data Rate
IEEE 802.11b	2412 ~ 2472	DSSS	20 MHz	Up to 11 Mbps
IEEE 802.11g	2412 ~ 2472	OFDM	20 MHz	Up to 54 Mbps
IEEE 802.11n 2.4 GHz 20 MHz	2412 ~ 2472	OFDM(256QAM)	20 MHz	Up to 173.4 Mbps
IEEE 802.11n 2.4 GHz 40 MHz	2422 ~ 2462	OFDM(256QAM)	40 MHz	Up to 400 Mbps
Antenna Delivery	see section 1.3			
Antenna Information	Antenna	Model	Type	Max. Gain (dBi)
	ANT-0 (Main)	GY197HT632-003	Monopole Antenna	1.81
	ANT-1 (AUX)	GY197HT632-003	Monopole Antenna	0.36
Maximum e.i.r.p.	IEEE 802.11b: 19.11 dBm IEEE 802.11g: 18.66 dBm IEEE 802.11n 2.4 GHz 20 MHz: 18.97 dBm IEEE 802.11n 2.4 GHz 40 MHz: 19.12 dBm			
	Beamforming on			
	IEEE 802.11n 2.4 GHz 20 MHz: 19.78 dBm IEEE 802.11n 2.4 GHz 40 MHz: 19.83 dBm			
Temperature Range	0 ~ 40 ℃			

1.2. Product Information Specific to EN 300 328

Information required by EN 300 328

In accordance with ETSI EN 300 328, clause 5.4.1, the following information is provided by the manufacturer.

a) The type of modulation used by the equipment:

☐ FHSS

■ Other forms of modulation

b) In case of FHSS modulation:

- In case of non-Adaptive Frequency Hopping equipment:
  The number of Hopping Frequencies:

- In case of Adaptive Frequency Hopping Equipment:
  The maximum number of Hopping Frequencies:
  The minimum number of Hopping Frequencies:

- The (average) Dwell Time:

c) Adaptive / non-adaptive equipment:

☐ non-adaptive Equipment

■ adaptive Equipment without the possibility to switch to a non-adaptive mode

☐ adaptive Equipment which can also operate in a non-adaptive mode

d) In case of adaptive equipment:

The maximum Channel Occupancy Time implemented by the equipment: 5.5 ms

■ The equipment has implemented an LBT mechanism

- In case of non-FHSS equipment:

☐ The equipment is Frame Based equipment
■ The equipment is Load Based equipment
☐ The equipment can switch dynamically between Frame Based and Load Based equipment
The CCA time implemented by the equipment: 36 µs

☐ The equipment has implemented a DAA mechanism
☐ The equipment can operate in more than one adaptive mode

e) In case of non-adaptive Equipment:

The maximum RF Output Power (e.i.r.p.): dBm

The maximum (corresponding) Duty Cycle: %

Equipment with dynamic behaviour, that behaviour is described here. (e.g. the different combinations of duty cycle and corresponding power levels to be declared):

f) The worst case operational mode for each of the following tests:

- RF Output Power
  IEEE 802.11b mode -1 Mbps, IEEE 802.11g mode - 6 Mbps, IEEE 802.11n 20 MHz mode - 13 Mbps; IEEE 802.11n 40 MHz mode - 27 Mbps.

- Power Spectral Density
  IEEE 802.11b mode -1 Mbps, IEEE 802.11g mode - 6 Mbps, IEEE 802.11n 20 MHz mode - 13 Mbps; IEEE 802.11n 40 MHz mode - 27 Mbps.

- Duty cycle, Tx-Sequence, Tx-gap
  NA

- Accumulated Transmit time, Frequency Occupation & Hopping Sequence (only for FHSS equipment)
  NA

- Hopping Frequency Separation (only for FHSS equipment)
  NA

- Medium Utilisation
  NA

- Adaptivity
  B Mode 11 Mbps; G Mode 54 Mbps; Gn20 Mode 173 Mbps;Gn40 Mode 400 Mbps

- Receiver Blocking
  B Mode 1 Mbps; G Mode 6 Mbps;

- Nominal Channel Bandwidth
  IEEE 802.11b mode -1 Mbps, IEEE 802.11g mode - 6 Mbps, IEEE 802.11n 20 MHz mode - 13 Mbps; IEEE 802.11n 40 MHz mode - 27 Mbps.

- Transmitter unwanted emissions in the OOB domain
  IEEE 802.11b mode -1 Mbps, IEEE 802.11g mode - 6 Mbps, IEEE 802.11n 20 MHz mode - 13 Mbps; IEEE 802.11n 40 MHz mode - 27 Mbps.

- Transmitter unwanted emissions in the spurious domain
  IEEE 802.11b mode -1 Mbps, IEEE 802.11g mode - 6 Mbps, IEEE 802.11n 20 MHz mode - 13 Mbps; IEEE 802.11n 40 MHz mode - 27 Mbps.

- Receiver spurious emissions
  IEEE 802.11b mode -1 Mbps, IEEE 802.11g mode - 6 Mbps, IEEE 802.11n 20 MHz mode - 13 Mbps; IEEE 802.11n 40 MHz mode - 27 Mbps.

g) The different transmit operating modes (tick all that apply):

☐ Operating mode 1: Single Antenna Equipment

☐ Equipment with only one antenna

☐ Equipment with two diversity antennas but only one antenna active at any moment in time

☐ Smart Antenna Systems with two or more antennas, but operating in a (legacy) mode where only one antenna is used. (e.g. IEEE 802.11™ legacy mode in smart antenna systems)

☐ Operating mode 2: Smart Antenna Systems - Multiple Antennas without beam forming

■ Single spatial stream / Standard throughput / (e.g. IEEE 802.11™ legacy mode)

■ High Throughput (> 1 spatial stream) using Nominal Channel Bandwidth 1

■ High Throughput (> 1 spatial stream) using Nominal Channel Bandwidth 2

NOTE 1: Add more lines if more channel bandwidths are supported.

■ Operating mode 3: Smart Antenna Systems - Multiple Antennas with beam forming

☐ Single spatial stream / Standard throughput / (e.g. IEEE 802.11™ legacy mode)

■ High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 1

■ High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 2

NOTE 2: Add more lines if more channel bandwidths are supported.

h) In case of Smart Antenna Systems:

- The number of Receive chains: 2
- The number of Transmit chains: 2

■ symmetrical power distribution

☐ asymmetrical power distribution

In case of beam forming, the maximum (additional) beam forming gain: 3.38 dB

NOTE: The additional beam forming gain does not include the basic gain of a single antenna.

i) Operating Frequency Range(s) of the equipment:

- Operating Frequency Range 1: 2412 MHz to 2472 MHz
- Operating Frequency Range 2: 2422 MHz to 2462 MHz
- Operating Frequency Range 3:
- Operating Frequency Range 4:

NOTE: Add more lines if more Frequency Ranges are supported.

j) Nominal Channel Bandwidth (s):

- Nominal Channel Bandwidth 1: 20 MHz
- Nominal Channel Bandwidth 2: 40 MHz

NOTE: Add more lines if more channel bandwidths are supported

k) Type of Equipment (stand-alone, combined, plug-in radio device, etc.):

■ Stand-alone

☐ Combined Equipment

☐ Plug-in radio device

☐ Other

l) The normal and the extreme operating conditions that apply to the equipment:

Normal operating conditions (if applicable):

Operating temperature: 25° C

Other (please specify if applicable): ……

Extreme operating conditions:

Operating temperature range: Minimum: 0 ° C Maximum: 40 ° C

Other (please specify if applicable): Minimum: …….. Maximum: ……..

Details provided are for the: ■ Stand-alone equipment

□ Combined equipment

□ Test jig

m) The intended combination(s) of the radio equipment power settings and one or more antenna assemblies and their corresponding e.i.r.p levels:

● Antenna Type:

■ Integral Antenna

Antenna Gain: 1.81 dBi

If applicable, additional beamforming gain (excluding basic antenna gain): 3.38 dB

■ Temporary RF connector provided

☐ No temporary RF connector provided

☐ Dedicated Antennas (equipment with antenna connector)

☐ Single power level with corresponding antenna(s)

☐ Multiple power settings and corresponding antenna(s)

Number of different Power Levels:

Power Level 1: dBm

Power Level 2: dBm

Power Level 3: dBm

NOTE 1: Add more lines in case the equipment has more power levels.

NOTE 2: These power levels are conducted power levels (at antenna connector).

●For each of the Power Levels, provide the intended antenna assemblies, their corresponding gains (G) and the resulting e.i.r.p. levels also taking into account the beamforming gain (Y) if applicable

Power Level 1: 14.64 dBm

Number of antenna assemblies provided for this power level:

Assembly #	Gain (dBi)	e.i.r.p. (dBm)	Part number or model name
1	**1.81**	**19.83**	**GY197HT632-003**
2			
3			
4			

NOTE 3: Add more rows in case more antenna assemblies are supported for this power level.

Power Level 2: dBm

Number of antenna assemblies provided for this power level:

Assembly #	Gain (dBi)	e.i.r.p. (dBm)	Part number or model name
1			
2			
3			
4			

NOTE 4: Add more rows in case more antenna assemblies are supported for this power level.

Power Level 3: dBm

Number of antenna assemblies provided for this power level:

Assembly #	Gain (dBi)	e.i.r.p. (dBm)	Part number or model name
1			
2			
3			
4			

NOTE 5: Add more rows in case more antenna assemblies are supported for this power level.

n) The nominal voltages of the stand-alone radio equipment or the nominal voltages of the combined (host) equipment or test jig in case of plug-in devices:

Details provided are for the: ■ Stand-alone equipment
☐ Combined equipment
☐ Test jig

Supply Voltage

☐ AC mains State AC voltage: V

■ DC State DC voltage: 5 V

In case of DC, indicate the type of power source

☐ Internal Power Supply

■ External Power Supply or AC/DC adapter

☐ Battery

☐ Other:

o) Describe the test modes available which can facilitate testing:

EIRP first test and then measured the remaining test items. The test setup has been constructed as the normal use condition controlling software (provided by manufacturer) has been activated to set the EUT on specific status.

p) The equipment type (e.g. Bluetooth®, IEEE 802.11™, IEEE 802.15.4™, proprietary, etc.):

IEEE Std. 802.11™

Combination for testing

Highest overall e.i.r.p. value: 19.83 dBm	
Corresponding Antenna assembly gain: 1.81 dBi	Antenna Assembly #: 1
Corresponding conducted power setting: 14.64 dBm (also the power level to be used for testing)	Listed as Power Setting #: DC 5V

q) If applicable, the statistical analysis referred to in clause 5.4.1 q)

N/A

r) If applicable, the statistical analysis referred to in clause 5.4.1 r)

N/A

s) Geo-location capability supported by the equipment:

■ Yes

■ The geographical location determined by the equipment as defined in clause 4.3.1.13.2 or clause 4.3.2.12.2 is not accessible to the user.

☐ No

t) Describe the minimum performance criteria that apply to the equipment (see clause 4.3.1.12.3 or clause 4.3.2.11.3):

Receiver Category 1

1.3. Mode of Operation

In the test report use EUT model: EW-7822UNC to operate testing.

ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode	Antenna Delivery	Test Channel	Data Rate (Mbps)
Mode 1: IEEE 802.11b Mode	1TX / 1RX	1, 7, 13	1
Mode 2: IEEE 802.11g Mode	1TX / 1RX	1, 7, 13	6
Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode	2TX / 2RX (MIMO)	1, 7, 13	13
Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode	2TX / 2RX (MIMO)	3, 7, 11	27

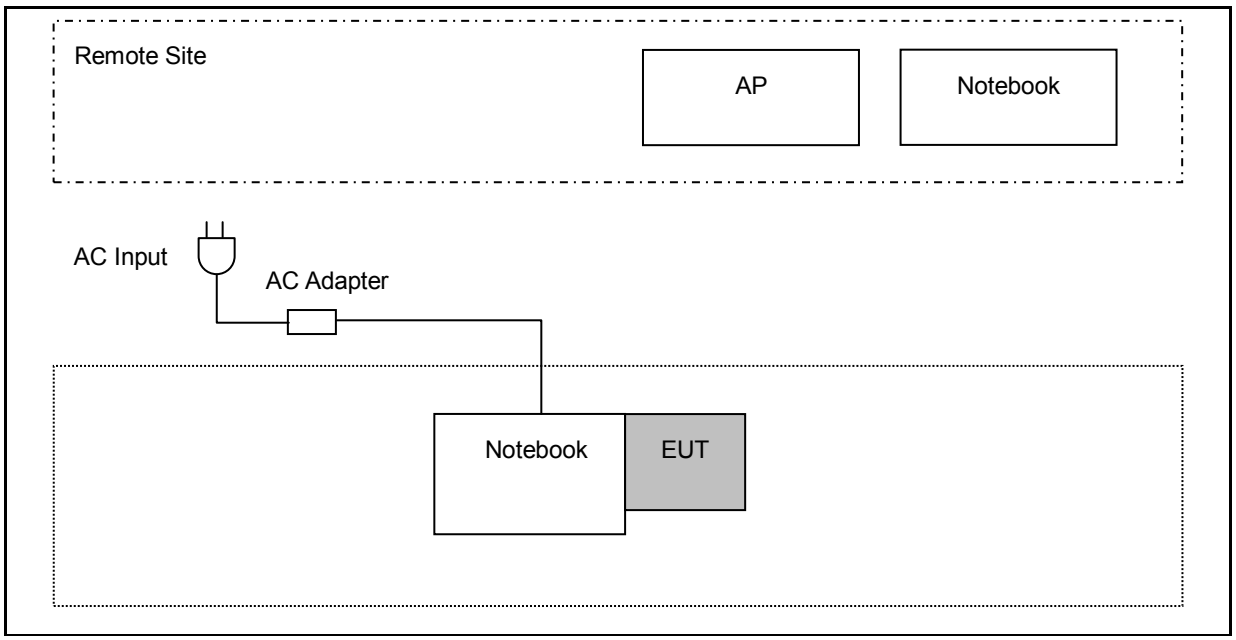
Software used to control the EUT for staying in continuous transmitting mode was programmed.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

1.4. EUT Test step

1	Setup the EUT shown on “Configuration of Test System Details.”
2	Turn on the power of all equipment.

1.5. Configuration of Test System Details



1.6. Test Instruments

For Conducted

Test Period: Aug. 30, 2016 ~ Apr. 28, 2017 / Apr. 15, 2020

Testing Engineer: Louis Shen, Chi Chung, Andy Lu

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer	Agilent	N9030A	MY53120541	12/14/2015 12/22/2016	1 year
Power Sensor	Agilent	U2021XA	MY53180015	05/20/2016	1 year
Power Sensor	Agilent	U2021XA	MY53260040	05/20/2016	1 year
Power Sensor	Agilent	U2021XA	MY53360002	05/27/2016	1 year
Power Sensor	Agilent	U2021XA	MY53360006	05/27/2016	1 year
USB Modular Simultaneous Data Acquisition	Agilent	U2531A	TW53353509	N.C.R.	-----
USB Modular Simultaneous Data Acquisition	Agilent	U2531A	TW53353511	N.C.R.	-----
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	04/18/2016	1 year
Signal Generator	Agilent	N5182A	MY47420962	05/13/2015	2 years
Signal Generator	Agilent	N5182B	MY53050382	05/20/2016	1 year
Test Site	ATL	TE05	TE05	N.C.R.	-----
Wlan Test Set	Anritsu	MT8860C	1227002	03/26/2019	2 years
MXG Vector Signal Generator	Keysight	N5182B	MY53052569	01/15/2020	1 year

For Radiated Emission

Test Period: Mar. Aug. 30, 2016 ~ Apr. 28, 2017

Testing Engineer: Louis Shen, Chi Chung

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer	Agilent	N9020A	US47520902	09/21/2016	1 year
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/15/2015	1 year
Pre-Amplifier	Mini-Circuits	ZVA-213-S+	467900926	02/15/2016	1 year
Preamplifier	EMCI	EMC330N	980303	08/09/2016	1 year
Signal Generator	Agilent	E8257D	MY44320425	02/26/2016	1 year
Biconilong (Type4) Antenna	ETS-Lindgren	3142C	86484	06/04/2016	2 years
Horn Antenna	ETS-Lindgren	3115	00070475	05/23/2016	1 year
Test Site	ATL	TC03	TC03	N.C.R.	-----

Note: N.C.R. = No Calibration Request.

1.7. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	15-25
Humidity (%RH)	25-75	45-75

1.8. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.

Parameter	Uncertainty
Occupied Channel Bandwidth	±4.75 %
RF output power, conducted	±0.58 dB
Power Spectral Density, conducted	±0.75 dB
Unwanted Emissions, conducted	±0.93 dB
All emissions, radiated	±5.92 dB
Temperature	±0.6 °C
Supply voltages	±0.1 %
Time	±0.95 %

1.9. Summary of Test Result

Transmitter Parameters			
Description	Clause	Result	Remark
RF Output Power	4.3.2.2	Pass	---
Power Spectral Density (Modulations other than FHSS equipment)	4.3.2.3	Pass	---
Duty cycle, Tx-Sequence, Tx-gap (Non-adaptive equipment)	4.3.2.4	Not Applicable	---
Medium Utilization (Non-adaptive equipment)	4.3.2.5	Not Applicable	---
Adaptivity (Adaptive equipment)	4.3.2.6	Pass	---
Occupied Channel Bandwidth	4.3.2.7	Pass	---
Transmitter unwanted emission in the OOB domain	4.3.2.8	Pass	---
Transmitter unwanted emissions in the spurious domain	4.3.2.9	Pass	---
Receiver Parameters			
Receiver Spurious Emissions	4.3.2.10	Pass	---
Receiver Blocking	4.3.2.11	Pass	---
Geo-location capability (If implemented)	4.3.2.12	Meet requirement	Ref. section 1.2 s)

Note：The test data is from the CE report number: 1705CR13 Rev. 02 & 2004CR20 Rev. 00.

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

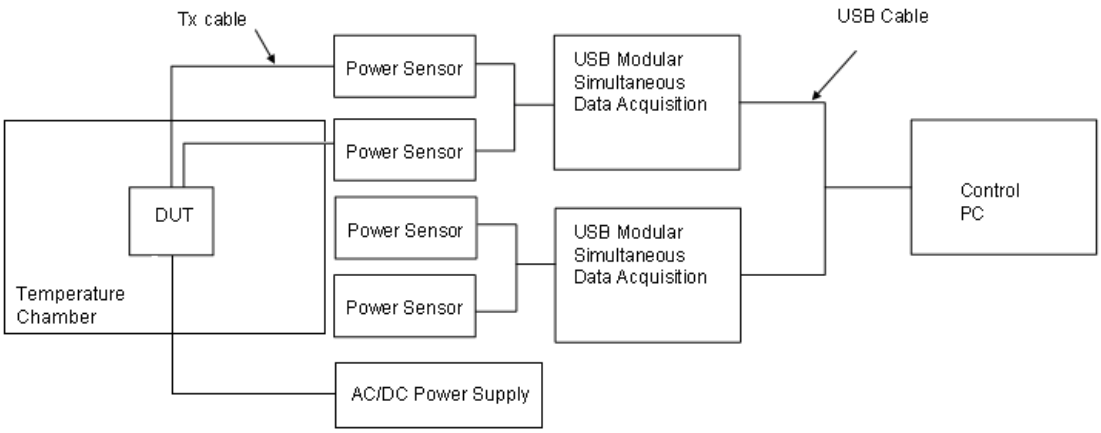
2 Measurement Procedure

2.1. RF Output Power Test

- Limit

The maximum RF output power (mean e.i.r.p.) shall be equal to or less than 20 dBm.

- Test Setup



- Test Procedure

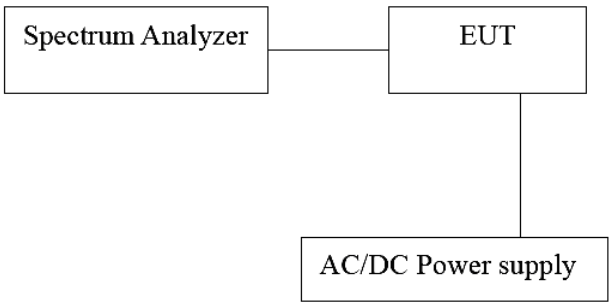
1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.2.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.2.2 for the test method

2.2. Power Spectral Density Test

- Limit

For equipment using wide band modulations other than FHSS, the maximum Power Spectral Density is limited to 10 dBm per MHz.

- Test Setup



- Test Procedure

1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.3.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.3.2 for the test method

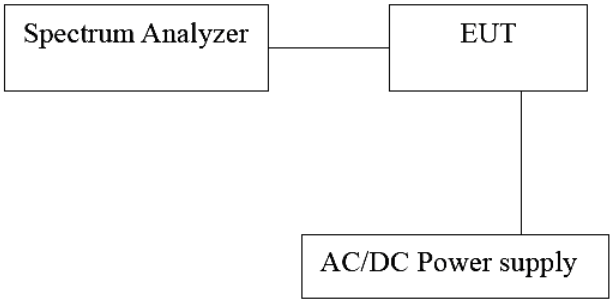
2.3. Occupied Channel Bandwidth Test

■ Limit

The Occupied Channel Bandwidth shall fall completely within the band given in clause 1.

In addition, for non-adaptive systems using wide band modulations other than FHSS and with e.i.r.p greater than 10 dBm, the occupied channel bandwidth shall be less than 20 MHz.

■ Test Setup



■ Test Procedure

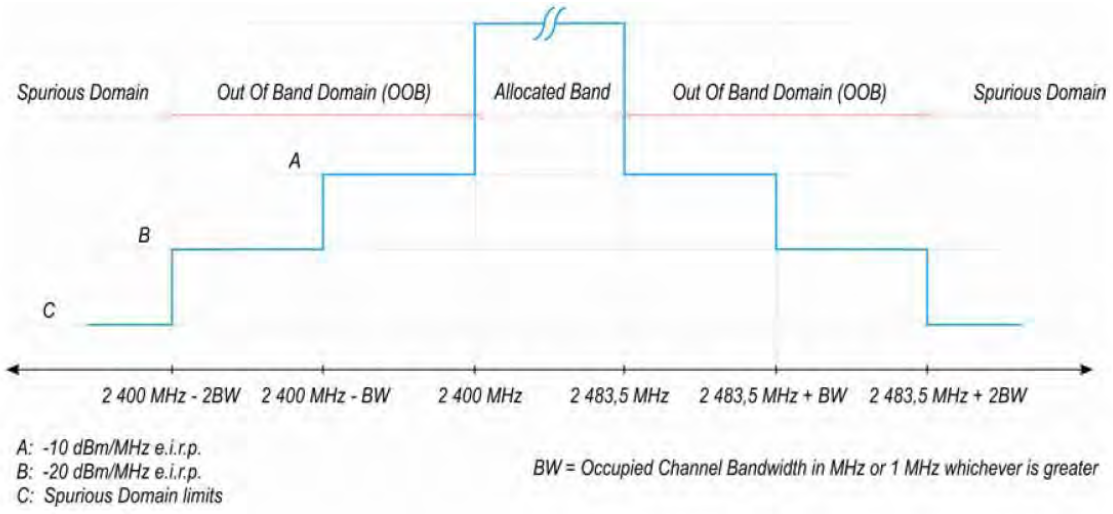
1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.7.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.7.2 for the test method

2.4. Transmitter Unwanted Emissions in the out-of-band Domain Test

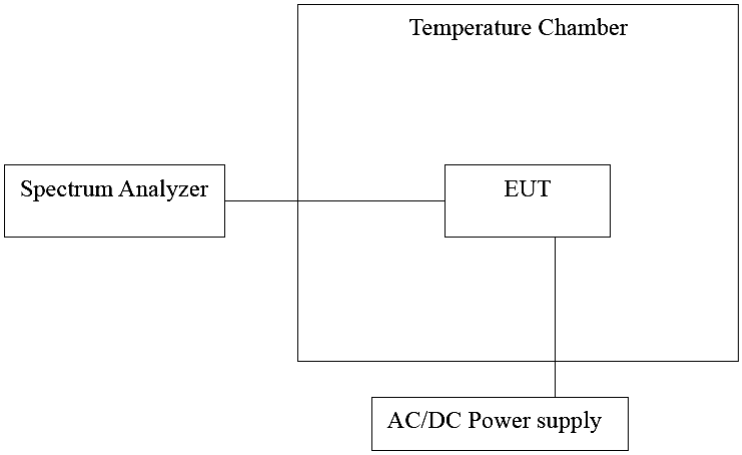
■ Limit

The transmitter unwanted emissions in the out-of-band domain but outside the allocated band, shall not exceed the values provided by the mask in below figure.

Note: Within the 2400 MHz to 2483.5 MHz band, the Out-of-band emissions are fulfilled by compliance with the Occupied Channel Bandwidth requirement in clause 4.3.2.7.



■ Test Setup



■ Test Procedure

1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.8.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.8.2 for the test method

2.5. Adaptivity (Channel Access Mechanism) Test

■ Limit

This requirement does not apply to non-adaptive equipment or adaptive equipment operating in a non-adaptive mode providing the equipment complies with the requirements and/or restrictions applicable to non-adaptive equipment. In addition, this requirement does not apply for equipment with a maximum declared RF Output power level of less than 10 dBm e.i.r.p. or for equipment when operating in a mode where the RF Output power is less than 10 dBm e.i.r.p.

Applicability of adaptive requirements and limit for wide band modulation techniques

Requirement	Operational Mode		
	Non-LBT based Detect and Avoid	LBT based Detect and Avoid	
		Frame Based Equipment	Load Based Equipment (CCA using any of the mechanisms referenced as Note 1)
Minimum Clear Channel Assessment (CCA) Time	NA	≥18 us	≥18 us
Maximum Channel Occupancy (COT) Time	< 40 ms	1 ms to 10 ms	less than 13 ms
Idle Period	≥ 5 % of COT ≥100 us	≥5 % of COT	(see Note 2)
Extended CCA check	NA	NA	18 µs and at least 160 µs
Short Control Signalling Transmissions	Maximum duty cycle of 10 % within an observation period of 50 ms (see Note 3)		

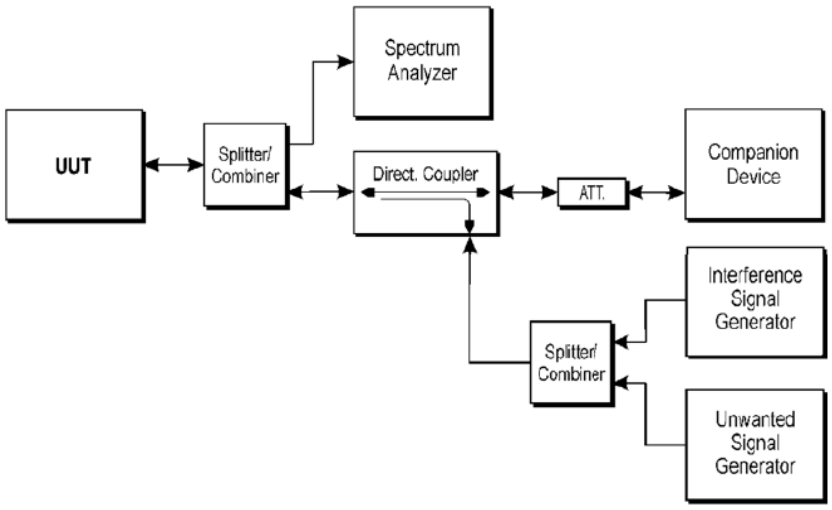
Note 1: Load Based Equipment may implement an LBT based spectrum sharing mechanism based on the Clear Channel Assessment (CCA) mode using energy detect as described in IEEE 802.11™ [i.3], clause 10 clause 11, clause 15, clause 16, clause 18 and clause 19, or in IEEE 802.15.4™ [i.4], clause 5, clause 6 and clause 10 providing the equipment complies with the conformance requirements referred to in clause 4.3.2.6.3.4.
Note 2: The Idle Period in between transmissions is considered to be the CCA or the Extended CCA check as there are no transmissions during this period.
Note 3: Adaptive equipment may or may not have Short Control Signaling Transmissions.

Interference threshold level

Maximum transmit power (P_H) EIRP dBm	Threshold level (TL) (see Notes 1)
20	-70 dBm / MHz

Note 1: TL = -70 dBm/ MHz + 10 × log10 (100 mW / Pout).
Note 2: transmitter the detection threshold level (TL) shall be equal to or less than -70 dBm/ MHz at the input to the receiver assuming a 0 dBi (receive) antenna assembly.

- Test Setup



- Test Procedure

1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.6.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.6.2 for the test method

2.6. Transmitter Unwanted Emissions in the Spurious Domain Test

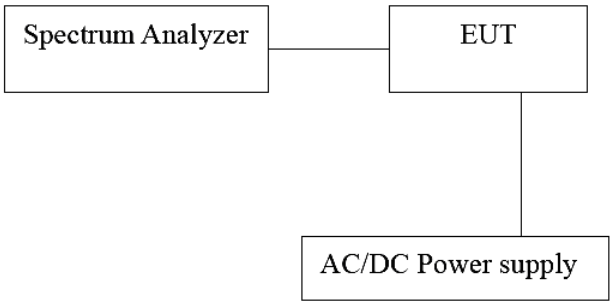
■ Limit

The transmitter unwanted emissions in the spurious domain shall not exceed the values given in below table

Frequency Range	Maximum power	Bandwidth
30 MHz to 47 MHz	-36 dBm	100 kHz
47 MHz to 74 MHz	-54 dBm	100 kHz
74 MHz to 87.5 MHz	-36 dBm	100 kHz
87.5 MHz to 118 MHz	-54 dBm	100 kHz
118 MHz to 174 MHz	-36 dBm	100 kHz
174 MHz to 230 MHz	-54 dBm	100 kHz
230 MHz to 470 MHz	-36 dBm	100 kHz
470 MHz to 694 MHz	-54 dBm	100 kHz
694 MHz to 1 GHz	-36 dBm	100 kHz
1 GHz to 12.75 GHz	-30 dBm	1 MHz

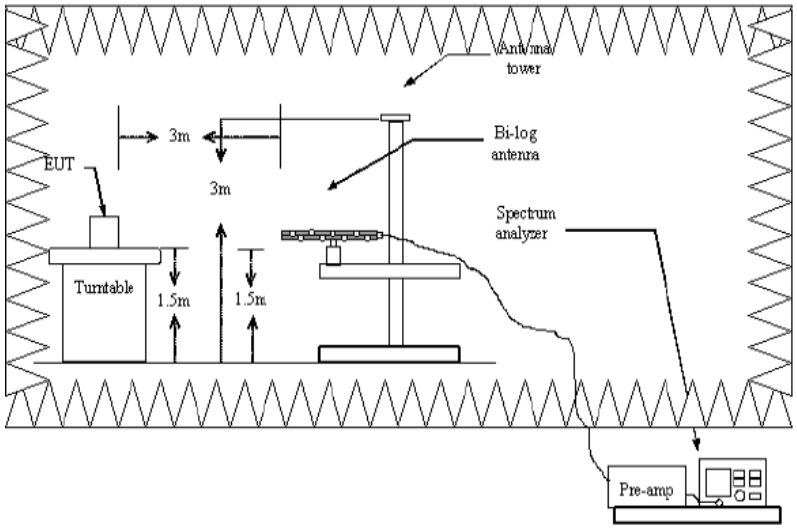
■ Test Setup

For CSE

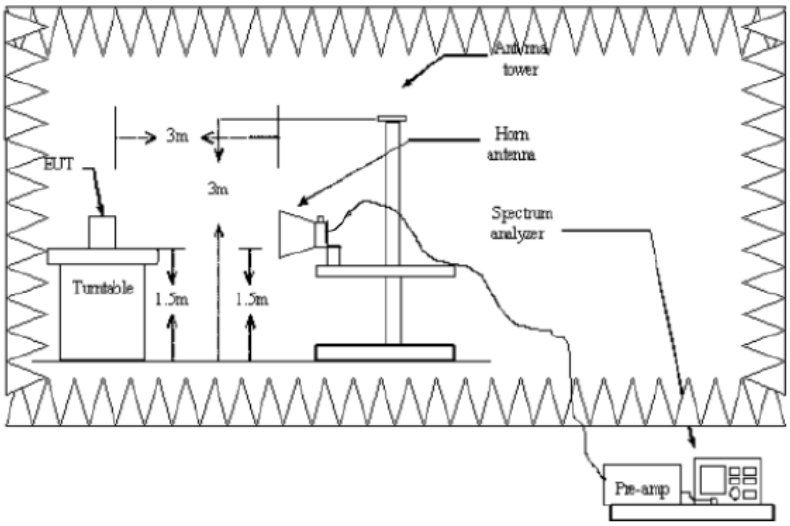


For Radiated

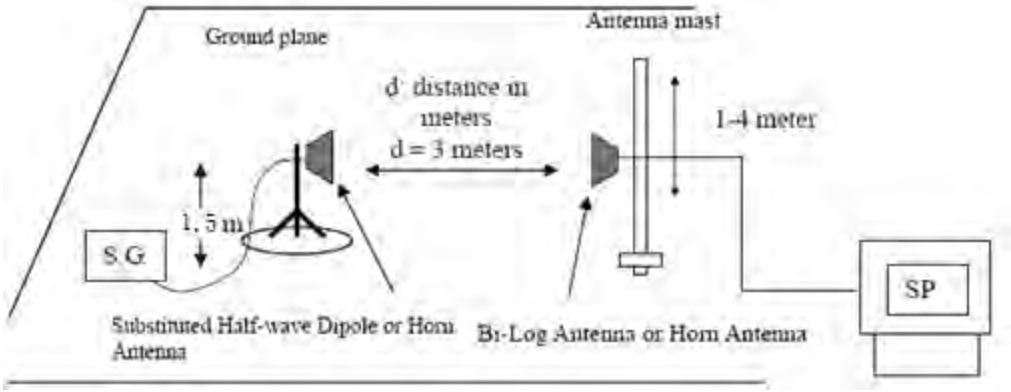
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



- Test Procedure

1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.9.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.9.2 for the test method

2.7. Receiver Spurious Emissions Test

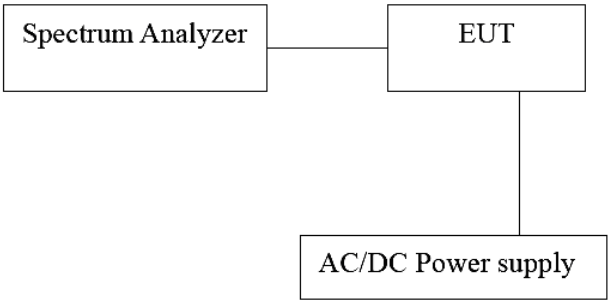
■ Limit

The spurious emissions of the receiver shall not exceed the values given in below table

Frequency Range	Maximum power	Bandwidth
30 MHz to 1 GHz	-57 dBm	100 kHz
1 GHz to 12.75 GHz	-47 dBm	1 MHz

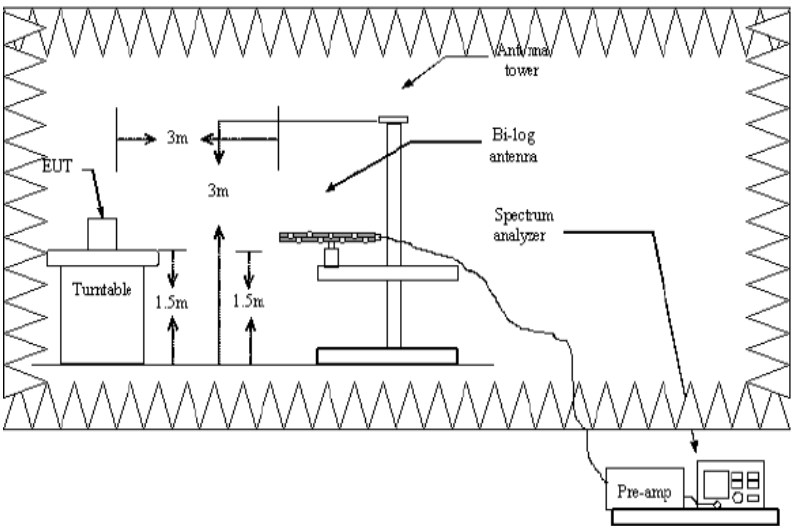
■ Test Setup

For CSE

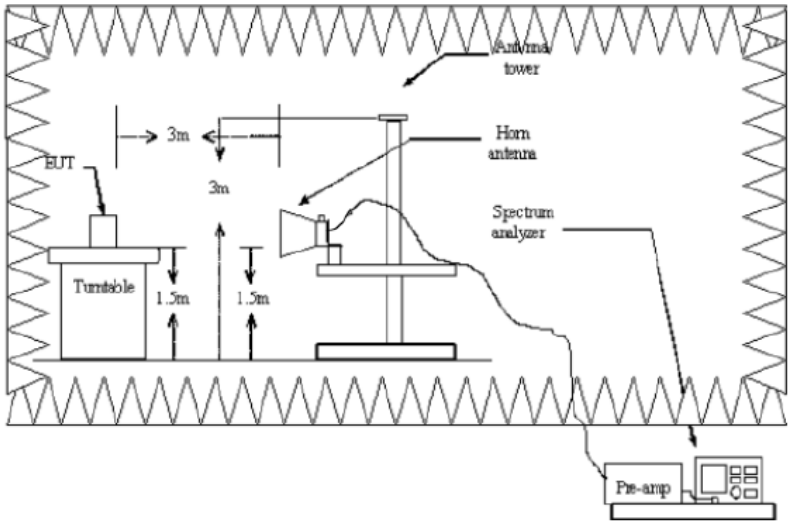


For Radiated

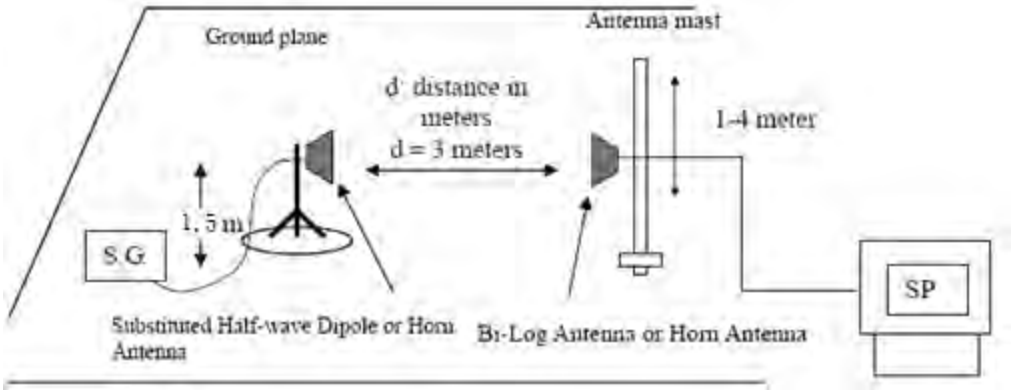
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



- Test Procedure

1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.10.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.10.2 for the test method.

2.8. Receiver Blocking Test

■ Limit

While maintaining the minimum performance criteria as defined in clause 4.3.2.11.3, the blocking levels at specified frequency offsets shall be equal to or greater than the limits defined for the applicable receiver category provided in table 14, table 15 or table 16.

Table 14: Receiver Blocking Parameters for Receiver Category 1 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 4)		Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 4)	Type of blocking signal
■	P_{min} + 26 dB (see note 2)	2 380 2 504	-34	CW
☐	(-133 dBm + 10 × $\log_{10}$(OCBW)) (see note 2)			
☐	-68 dBm (see note 2)			
■	P_{min} + 20 dB (see note 3)	2 300 2 330 2 360 2 524 2 584 2 674	-34	CW
☐	(-139 dBm + 10 × $\log_{10}$(OCBW)) (see note 3)			
☐	-74 dBm (see note 3)			

NOTE 1: OCBW is in Hz.

NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 26 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 3: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 20 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 4: The level specified is the level at the UUT receiver input assuming a 0 dB antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

Table 15: Receiver Blocking parameters for receiver Category 2 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)		Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
■	P_{min} + 26 dB (see note 2)	2 300 2 380 2 504 2 584	-34	CW
□	(-139 dBm + 10 × $\log_{10}$(OCBW)) (see note 2)			
□	-74 dBm (see note 2)			

NOTE 1: OCBW is in Hz..

NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 26 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal

NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

Table 16: Receiver Blocking parameters for receiver Category 3 equipment

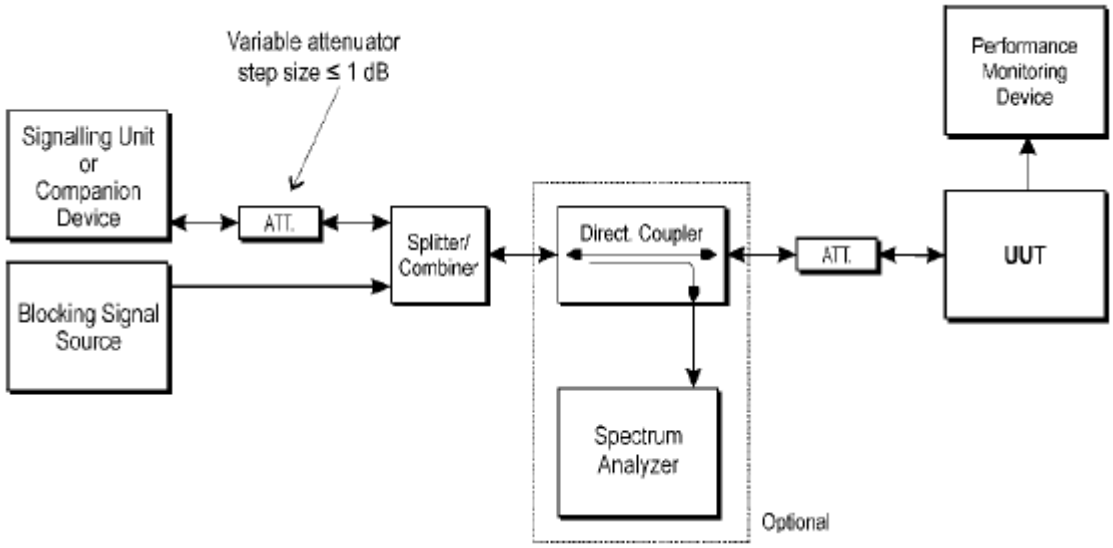
Wanted signal mean power from companion device (dBm) (see notes 1 and 3)		Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
■	P_{min} + 30 dB (see note 2)	2 300 2 380 2 504	-34	CW
□	(-139 dBm + 10 × $\log_{10}$(OCBW) + 20 dB) (see note 2)			
□	-74 dBm + 20 dB (see note 2)	2 584	-34	CW

NOTE 1: OCBW is in Hz.

NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to P_{min} + 30 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

■ Test Setup



■ Test Procedure

1. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.11.1 for the test conditions.
2. Please refer to ETSI EN 300 328 (V2.2.2) clause 5.4.11.2 for the test method

3 Test Results

3.1. RF Output Power Test

Test Mode		Mode 1: IEEE 802.11b Mode		
Antenna Gain		1.81 dBi		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Channel	Power (dBm)	5.0 Vdc	5.0 Vdc	5.0 Vdc
Low	Conducted Power	16.90	16.41	15.89
	EIRP	18.71	18.22	17.70
Middle	Conducted Power	17.30	16.69	16.40
	EIRP	19.11	18.50	18.21
High	Conducted Power	17.00	16.70	16.25
	EIRP	18.81	18.51	18.06
Limit		≦ 20 dBm		

Test Mode		Mode 2: IEEE 802.11g Mode		
Antenna Gain		1.81 dBi		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Channel	Power (dBm)	5.0 Vdc	5.0 Vdc	5.0 Vdc
Low	Conducted Power	16.45	16.33	16.70
	EIRP	18.26	18.14	18.51
Middle	Conducted Power	16.85	16.81	16.72
	EIRP	18.66	18.62	18.53
High	Conducted Power	16.71	16.60	16.48
	EIRP	18.52	18.41	18.29
Limit		≦ 20 dBm		

Test Mode		Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode		
Antenna Gain		1.81 dBi		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Channel	Power (dBm)	5.0 Vdc	5.0 Vdc	5.0 Vdc
Low	Conducted Power	17.00	16.59	16.35
	EIRP	18.81	18.40	18.16
Middle	Conducted Power	17.16	17.09	16.83
	EIRP	18.97	18.90	18.64
High	Conducted Power	17.04	16.96	16.78
	EIRP	18.85	18.77	18.59
Limit		≦ 20 dBm		

Test Mode		Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode		
Antenna Gain		1.81 dBi		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Channel	Power (dBm)	5.0 Vdc	5.0 Vdc	5.0 Vdc
Low	Conducted Power	17.31	17.20	17.09
	EIRP	19.12	19.01	18.90
Middle	Conducted Power	16.92	16.59	16.53
	EIRP	18.73	18.40	18.34
High	Conducted Power	16.73	16.56	16.20
	EIRP	18.54	18.37	18.01
Limit		≦ 20 dBm		

Beamforming on

Test Mode		Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode		
Antenna Gain		3.38 dBi		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Channel	Power (dBm)	5.0 Vdc	5.0 Vdc	5.0 Vdc
Low	Conducted Power	14.59	14.49	14.22
	EIRP	19.78	19.68	19.41
Middle	Conducted Power	14.15	14.12	14.16
	EIRP	19.34	19.31	19.35
High	Conducted Power	14.30	14.08	14.06
	EIRP	19.49	19.27	19.25
Limit		≦ 20 dBm		

Test Mode		Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode		
Antenna Gain		3.38 dBi		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Channel	Power (dBm)	5.0 Vdc	5.0 Vdc	5.0 Vdc
Low	Conducted Power	14.55	14.38	14.41
	EIRP	19.74	19.57	19.60
Middle	Conducted Power	14.64	14.52	14.61
	EIRP	19.83	19.71	19.80
High	Conducted Power	14.32	14.20	14.27
	EIRP	19.51	19.39	19.46
Limit		≦ 20 dBm		

3.2. Power Spectral Density Test

Test Mode		Mode 1: IEEE 802.11b Mode
Test Condition		Measured Power Density Result (dBm/ MHz)
Measured Power Density	Ch Low	9.90
	Ch Mid	9.97
	Ch High	9.96
Limit		≦ 10 dBm/ MHz

Test Mode		Mode 2: IEEE 802.11g Mode
Test Condition		Measured Power Density Result (dBm/ MHz)
Measured Power Density	Ch Low	6.67
	Ch Mid	7.07
	Ch High	6.93
Limit		≦ 10 dBm/ MHz

Test Mode		Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode
Test Condition		Measured Power Density Result (dBm/ MHz)
Measured Power Density	Ch Low	6.58
	Ch Mid	7.10
	Ch High	7.03
Limit		≦ 10 dBm/ MHz

Test Mode		Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode
Test Condition		Measured Power Density Result (dBm/ MHz)
Measured Power Density	Ch Low	4.28
	Ch Mid	3.57
	Ch High	3.62
Limit		≦ 10 dBm/ MHz

Beamforming on

Test Mode		Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode
Test Condition		Measured Power Density Result (dBm/ MHz)
Measured Power Density	Ch Low	7.86
	Ch Mid	7.54
	Ch High	7.69
Limit		≦ 10 dBm/ MHz

Test Mode		Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode
Test Condition		Measured Power Density Result (dBm/ MHz)
Measured Power Density	Ch Low	5.19
	Ch Mid	4.94
	Ch High	4.59
Limit		≦ 10 dBm/ MHz

3.3. Occupied Channel Bandwidth Test

Test Mode	Mode 1: IEEE 802.11b Mode			
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	Measured Frequencies	
			FL (MHz)	FH (MHz)
Low Channel	2412	14.515	2404.79	---
High Channel	2472	14.441	---	2479.19
Limit:	FL > 2400 MHz, FH < 2483.5 MHz			

Test Mode	Mode 2: IEEE 802.11g Mode			
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	Measured Frequencies	
			FL (MHz)	FH (MHz)
Low Channel	2412	17.051	2403.51	---
High Channel	2472	17.132	---	2480.59
Limit:	FL > 2400 MHz, FH < 2483.5 MHz			

Test Mode	Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode			
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	Measured Frequencies	
			FL (MHz)	FH (MHz)
Low Channel	2412	17.858	2403.10	---
High Channel	2472	17.890	---	2480.79
Limit:	FL > 2400 MHz, FH < 2483.5 MHz			

Test Mode	Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode			
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	Measured Frequencies	
			FL (MHz)	FH (MHz)
Low Channel	2422	36.436	2403.81	---
High Channel	2462	36.615	---	2480.29
Limit:	FL > 2400 MHz, FH < 2483.5 MHz			

Note: FL is the lowest frequency of the 99% occupied bandwidth of power envelope.
FH is the highest frequency of the 99% occupied bandwidth of power envelope.

Beamforming on

Test Mode	Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode			
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	Measured Frequencies	
			FL (MHz)	FH (MHz)
Low Channel	2412	17.858	2403.10	---
High Channel	2472	17.890	---	2480.79
Limit:	FL > 2400 MHz, FH < 2483.5 MHz			

Test Mode	Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode			
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	Measured Frequencies	
			FL (MHz)	FH (MHz)
Low Channel	2422	36.436	2403.81	---
High Channel	2462	36.615	---	2480.29
Limit:	FL > 2400 MHz, FH < 2483.5 MHz			

Note: FL is the lowest frequency of the 99% occupied bandwidth of power envelope.
FH is the highest frequency of the 99% occupied bandwidth of power envelope.

3.4. Transmitter Unwanted Emissions in the out-of-band Domain Test

Test Mode		Mode 1: IEEE 802.11b Mode		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Measurement (dBm/ MHz)		5.0 Vdc	5.0 Vdc	5.0 Vdc
Low Channel	2400 - BW ~ 2400	-25.81	-28.22	-30.60
	2400 - 2*BW ~ 2400 - BW	-46.42	-49.27	-51.69
High Channel	2483.5 ~ 2483.5 + BW	-23.98	-26.52	-29.41
	2483.5 + BW ~ 2483.5 + 2*BW	-46.42	-49.17	-51.89
Limit	Low Channel	2400 - BW ~ 2400≦ -10 dBm/ MHz 2400 - 2*BW ~ 2400 - BW≦ -20 dBm/ MHz		
	High Channel	2483.5 ~ 2483.5 + BW≦ -10 dBm/ MHz 2483.5 + BW ~ 2483.5 + 2*BW≦ -20 dBm/ MHz		

Test Mode		Mode 2: IEEE 802.11g Mode		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Measurement (dBm/ MHz)		5.0 Vdc	5.0 Vdc	5.0 Vdc
Low Channel	2400 - BW ~ 2400	-12.61	-14.83	-17.29
	2400 - 2*BW ~ 2400 - BW	-33.51	-36.36	-38.88
High Channel	2483.5 ~ 2483.5 + BW	-10.98	-13.87	-16.51
	2483.5 + BW ~ 2483.5 + 2*BW	-33.92	-36.67	-39.59
Limit	Low Channel	2400 - BW ~ 2400≦ -10 dBm/ MHz 2400 - 2*BW ~ 2400 - BW≦ -20 dBm/ MHz		
	High Channel	2483.5 ~ 2483.5 + BW≦ -10 dBm/ MHz 2483.5 + BW ~ 2483.5 + 2*BW≦ -20 dBm/ MHz		

Test Mode		Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Measurement (dBm/ MHz)		5.0 Vdc	5.0 Vdc	5.0 Vdc
Low Channel	2400 - BW ~ 2400	-14.64	-17.45	-19.83
	2400 - 2*BW ~ 2400 - BW	-41.05	-43.90	-46.62
High Channel	2483.5 ~ 2483.5 + BW	-14.50	-17.29	-19.93
	2483.5 + BW ~ 2483.5 + 2*BW	-44.87	-47.02	-49.84
Limit	Low Channel	2400 - BW ~ 2400≦ -10 dBm/ MHz 2400 - 2*BW ~ 2400 - BW≦ -20 dBm/ MHz		
	High Channel	2483.5 ~ 2483.5 + BW≦ -10 dBm/ MHz 2483.5 + BW ~ 2483.5 + 2*BW≦ -20 dBm/ MHz		

Test Mode		Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode		
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Measurement (dBm/ MHz)		5.0 Vdc	5.0 Vdc	5.0 Vdc
Low Channel	2400 - BW ~ 2400	-20.61	-22.83	-25.31
	2400 - 2*BW ~ 2400 - BW	-45.64	-48.29	-50.61
High Channel	2483.5 ~ 2483.5 + BW	-15.46	-18.35	-20.69
	2483.5 + BW ~ 2483.5 + 2*BW	-43.15	-46.10	-48.24
Limit	Low Channel	2400 - BW ~ 2400≦ -10 dBm/ MHz 2400 - 2*BW ~ 2400 - BW≦ -20 dBm/ MHz		
	High Channel	2483.5 ~ 2483.5 + BW≦ -10 dBm/ MHz 2483.5 + BW ~ 2483.5 + 2*BW≦ -20 dBm/ MHz		

Test Mode		Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode		
Beamforming on				
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Measurement (dBm/ MHz)		5.0 Vdc	5.0 Vdc	5.0 Vdc
Low Channel	2400 - BW ~ 2400	-14.64	-17.45	-19.83
	2400 - 2*BW ~ 2400 - BW	-41.05	-43.90	-46.62
High Channel	2483.5 ~ 2483.5 + BW	-14.50	-17.29	-19.93
	2483.5 + BW ~ 2483.5 + 2*BW	-44.87	-47.02	-49.84
Limit	Low Channel	2400 - BW ~ 2400≦ -10 dBm/ MHz 2400 - 2*BW ~ 2400 - BW≦ -20 dBm/ MHz		
	High Channel	2483.5 ~ 2483.5 + BW≦ -10 dBm/ MHz 2483.5 + BW ~ 2483.5 + 2*BW≦ -20 dBm/ MHz		

Test Mode		Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode		
Beamforming on				
DC Power Source				
Test Conditions		Temp (0)°C	Temp (25)°C	Temp (40)°C
Measurement (dBm/ MHz)		5.0 Vdc	5.0 Vdc	5.0 Vdc
Low Channel	2400 - BW ~ 2400	-20.61	-22.83	-25.31
	2400 - 2*BW ~ 2400 - BW	-45.64	-48.29	-50.61
High Channel	2483.5 ~ 2483.5 + BW	-15.46	-18.35	-20.69
	2483.5 + BW ~ 2483.5 + 2*BW	-43.15	-46.10	-48.24
Limit	Low Channel	2400 - BW ~ 2400≦ -10 dBm/ MHz 2400 - 2*BW ~ 2400 - BW≦ -20 dBm/ MHz		
	High Channel	2483.5 ~ 2483.5 + BW≦ -10 dBm/ MHz 2483.5 + BW ~ 2483.5 + 2*BW≦ -20 dBm/ MHz		

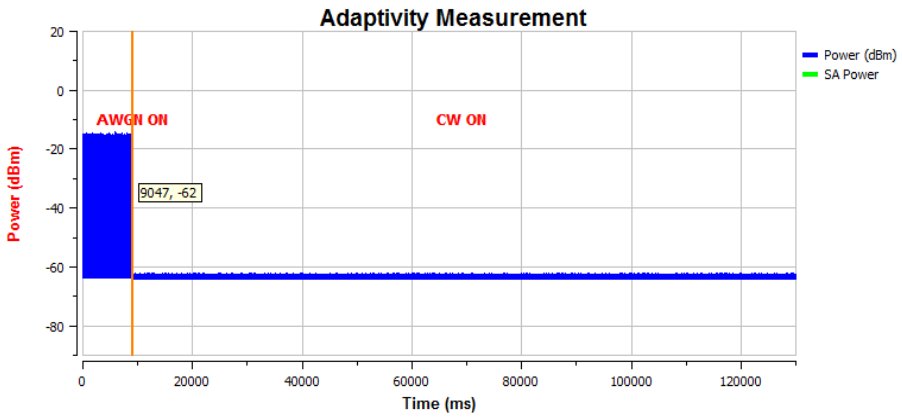
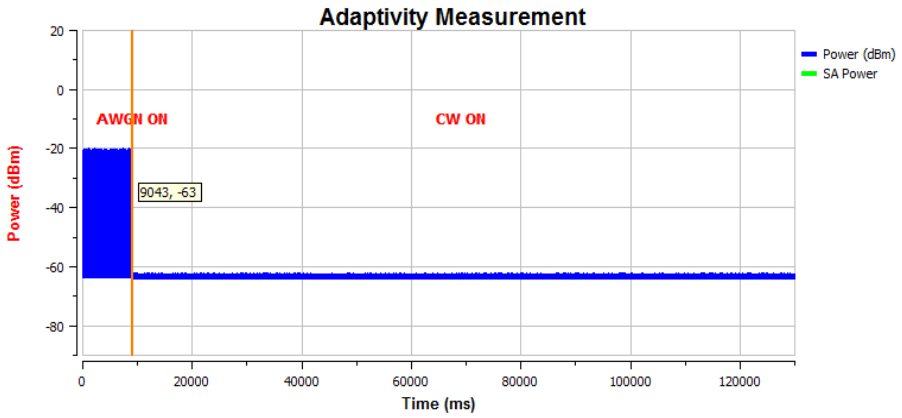
3.5. Adaptivity (Channel Access Mechanism) Test

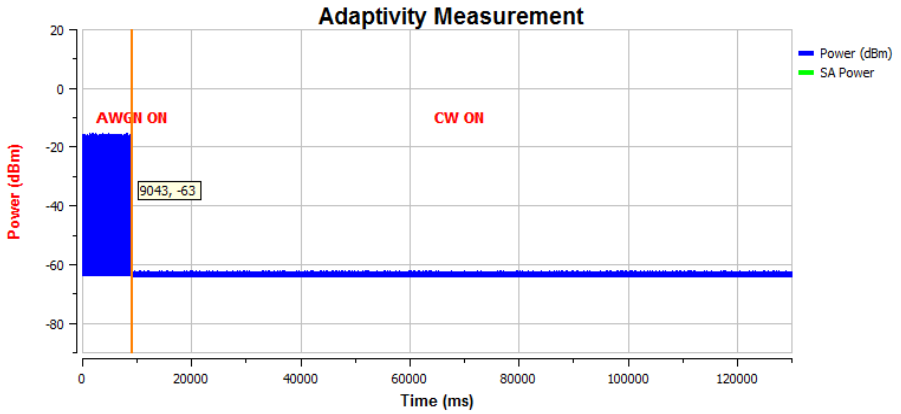
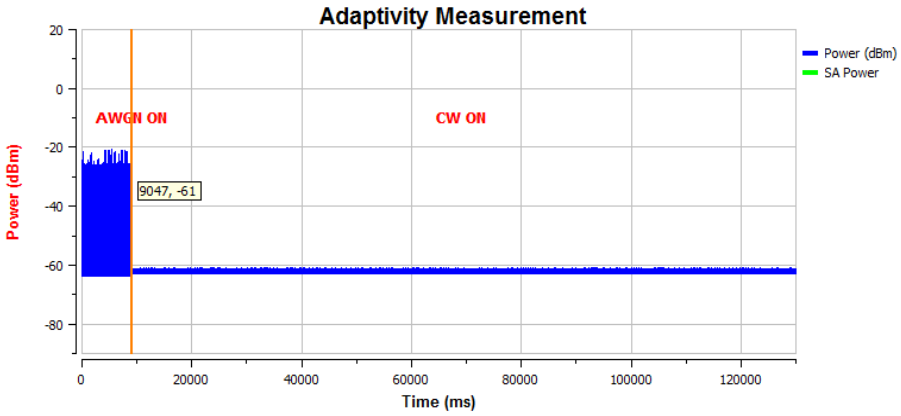
Clause	Test Parameter	Remarks	Pass/Fail
4.9.2.1	Adaptive (Frame Based Equipment)	Not Applicable	N/A
4.9.2.2	Adaptive (Load Based Equipment)	Applicable	Pass
4.9.2.3	Short Control Signalling Transmissions	Applicable	Pass

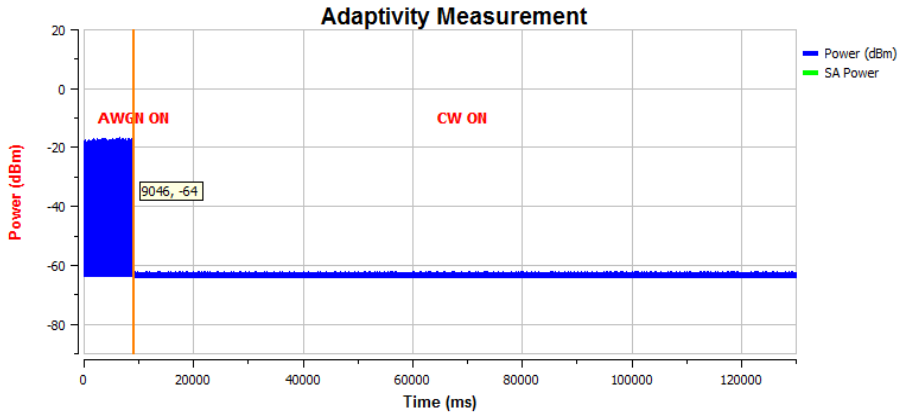
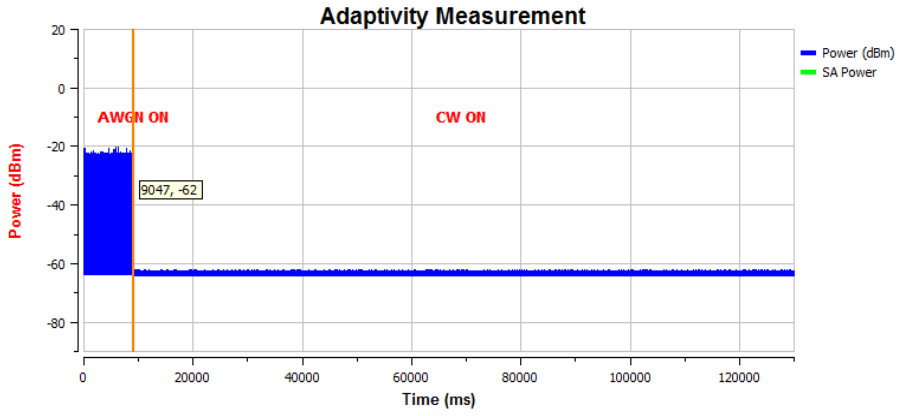
■ Adaptive Result

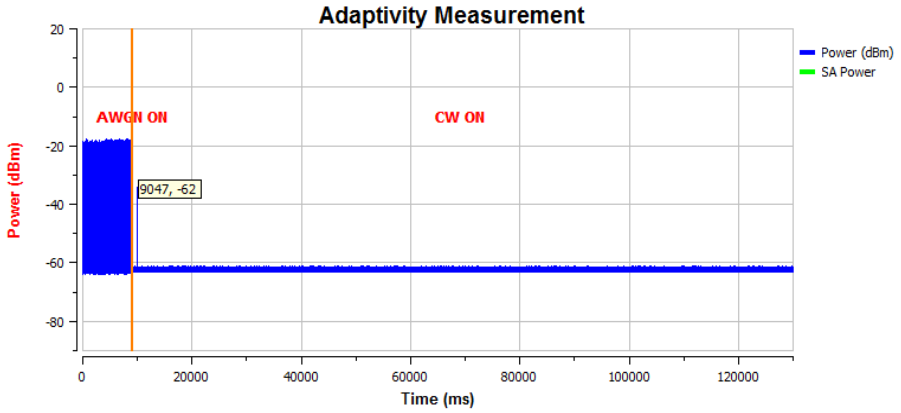
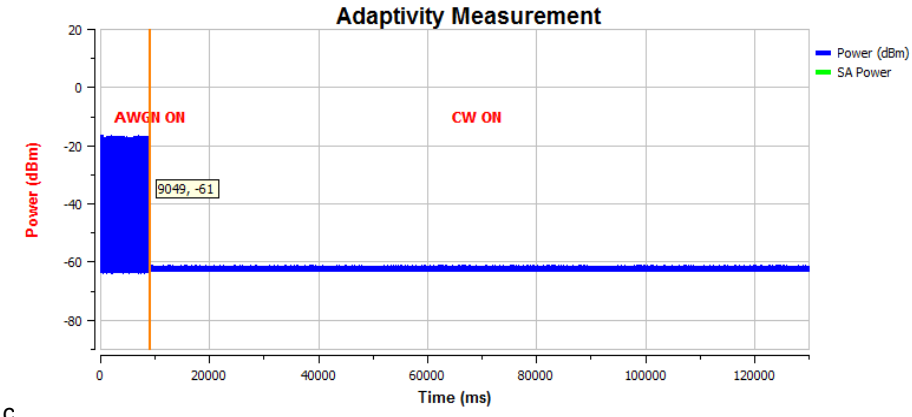
Operating Frequency Bands and Mode of EUT

Operational Mode	Low Channel Operating Frequency (MHz)	High Channel Operating Frequency (MHz)
Mode 1	2412	2472
Mode 2	2412	2472
Mode 3	2412	2472
Mode 4	2422	2462
Test Result	PASS	

Mode 1: IEEE 802.11b Mode	
Low Channel	
High Channel	

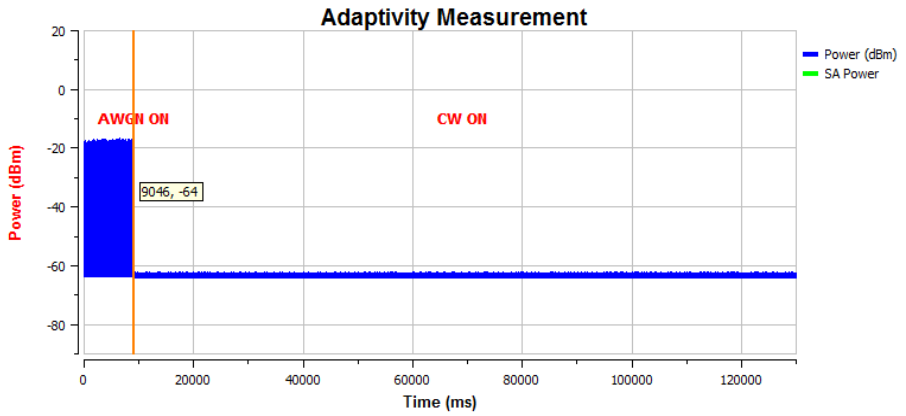
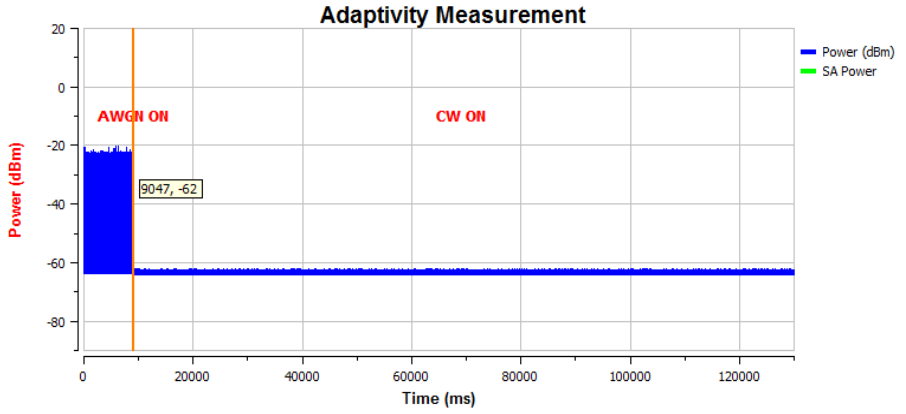
Mode 2: IEEE 802.11g Mode	
Low Channel	
High Channel	

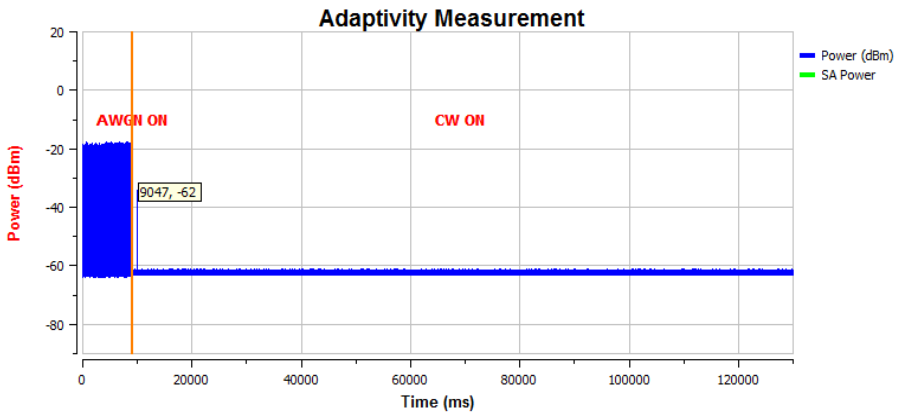
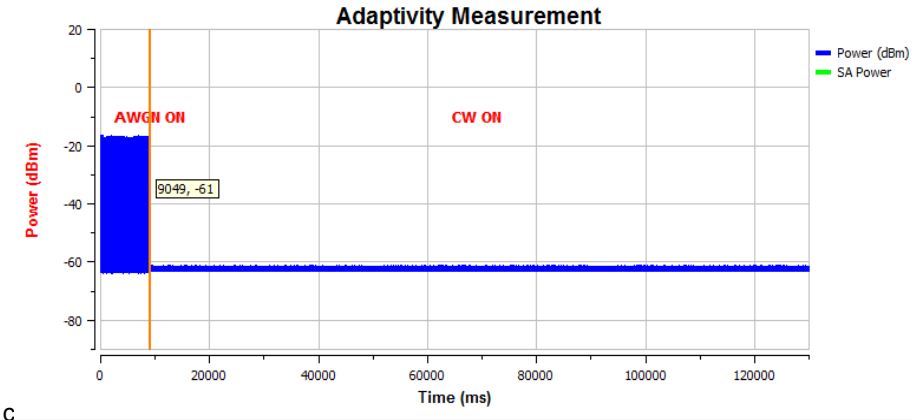
Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode	
Low Channel	
High Channel	

Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode	
Low Channel	
High Channel	

c

Beamforming on

Mode 3: IEEE 802.11n 2.4 GHz 20 MHz Mode	
Low Channel	
High Channel	

Mode 4: IEEE 802.11n 2.4 GHz 40 MHz Mode	
Low Channel	
High Channel	

c

■ Short Control Signaling Transmissions Result

Operational Mode	Channel	Results
Mode 1	Low	6.19 %
	High	6.39 %
Mode 2	Low	8.98 %
	High	4.79 %
Mode 3	Low	1.20 %
	High	6.59 %
Mode 4	Low	4.19 %
	High	0.00 %
SCST Duty cycle Limit		≤ 10 %

Beamforming on

Operational Mode	Channel	Results
Mode 3	Low	1.20 %
	High	6.59 %
Mode 4	Low	4.19 %
	High	0.00 %
SCST Duty cycle Limit		≤ 10 %

■ COT and CCA Time Result

Operational Mode	Channel	Test Item	Results	Limit
Mode 1	Low	COT	11.92 ms	<13 ms
		CCA	36 μs	≥18 μs
	High	COT	11.92 ms	<13 ms
		CCA	45 μs	≥18 μs
Mode 2	Low	COT	7.68 ms	<13 ms
		CCA	75 μs	≥18 μs
	High	COT	7.09 ms	<13 ms
		CCA	73 μs	≥18 μs
Mode 3	Low	COT	3.69 ms	<13 ms
		CCA	72 μs	≥18 μs
	High	COT	4.47 ms	<13 ms
		CCA	75 μs	≥18 μs
Mode 4	Low	COT	3.53 ms	<13 ms
		CCA	94 μs	≥18 μs
	High	COT	3.54 ms	<13 ms
		CCA	52 μs	≥18 μs

Beamforming on

Operational Mode	Channel	Test Item	Results	Limit
Mode 3	Low	COT	3.69 ms	<13 ms
		CCA	72 μs	≥18 μs
	High	COT	4.47 ms	<13 ms
		CCA	75 μs	≥18 μs
Mode 4	Low	COT	3.53 ms	<13 ms
		CCA	94 μs	≥18 μs
	High	COT	3.54 ms	<13 ms
		CCA	52 μs	≥18 μs

3.6. Transmitter Unwanted Emissions in the Spurious Domain Test

Mode:	Mode 1	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	107.6000	-63.87	-10.53	-74.40	-54.00	-20.40	peak
2	299.1750	-66.91	-4.16	-71.07	-36.00	-35.07	peak
3	498.0250	-71.76	0.55	-71.21	-54.00	-17.21	peak
4	694.4500	-74.74	3.85	-70.89	-54.00	-16.89	peak
5	825.4000	-74.72	5.26	-69.46	-54.00	-15.46	peak
6	958.7750	-74.00	6.36	-67.64	-36.00	-31.64	peak
7	2240.000	-53.78	-5.49	-59.27	-30.00	-29.27	peak
8	4824.000	-47.37	-1.00	-48.37	-30.00	-18.37	peak
9	9648.000	-58.66	6.63	-52.03	-30.00	-22.03	peak

Mode:	Mode 1	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	163.3750	-66.78	-6.83	-73.61	-36.00	-37.61	peak
2	333.1250	-67.58	-2.90	-70.48	-36.00	-34.48	peak
3	451.9500	-72.26	-0.68	-72.94	-36.00	-36.94	peak
4	621.7000	-75.05	2.95	-72.10	-54.00	-18.10	peak
5	745.3750	-74.45	4.08	-70.37	-54.00	-16.37	peak
6	951.5000	-74.88	6.33	-68.55	-36.00	-32.55	peak
7	2180.000	-50.16	-5.22	-55.38	-30.00	-25.38	peak
8	4824.000	-48.66	-1.00	-49.66	-30.00	-19.66	peak
9	9648.000	-55.32	6.63	-48.69	-30.00	-18.69	peak

Mode:	Mode 1	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	156.1000	-67.68	-7.50	-75.18	-36.00	-39.18	peak
2	299.1750	-66.31	-4.16	-70.47	-36.00	-34.47	peak
3	493.1750	-72.43	0.57	-71.86	-54.00	-17.86	peak
4	628.9750	-75.07	2.69	-72.38	-54.00	-18.38	peak
5	776.9000	-74.24	4.29	-69.95	-54.00	-15.95	peak
6	919.9750	-74.57	5.81	-68.76	-36.00	-32.76	peak
7	2200.000	-52.84	-5.30	-58.14	-30.00	-28.14	peak
8	4944.000	-50.56	-1.20	-51.76	-30.00	-21.76	peak
9	11479.375	-60.22	7.50	-52.72	-30.00	-22.72	peak

Mode:	Mode 1	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	68.8000	-63.71	-11.18	-74.89	-54.00	-20.89	peak
2	279.7750	-65.08	-5.06	-70.14	-36.00	-34.14	peak
3	471.3500	-71.28	0.46	-70.82	-54.00	-16.82	peak
4	631.4000	-74.83	2.62	-72.21	-54.00	-18.21	peak
5	725.9750	-73.42	4.22	-69.20	-54.00	-15.20	peak
6	919.9750	-72.21	5.81	-66.40	-36.00	-30.40	peak
7	2090.000	-52.69	-4.92	-57.61	-30.00	-27.61	peak
8	4944.000	-50.79	-1.20	-51.99	-30.00	-21.99	peak
9	9888.000	-55.29	7.04	-48.25	-30.00	-18.25	peak

Mode:	Mode 2	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	68.8000	-65.30	-11.18	-76.48	-54.00	-22.48	peak
2	190.0500	-67.14	-5.38	-72.52	-54.00	-18.52	peak
3	376.7750	-72.15	-0.71	-72.86	-36.00	-36.86	peak
4	609.5750	-74.30	2.99	-71.31	-54.00	-17.31	peak
5	764.7750	-74.47	4.06	-70.41	-54.00	-16.41	peak
6	941.8000	-74.59	6.24	-68.35	-36.00	-32.35	peak
7	2100.000	-55.21	-4.88	-60.09	-30.00	-30.09	peak
8	4824.000	-55.97	-1.00	-56.97	-30.00	-26.97	peak
9	10268.125	-59.94	7.21	-52.73	-30.00	-22.73	peak

Mode:	Mode 2	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.4500	-64.73	-10.53	-75.26	-54.00	-21.26	peak
2	289.4750	-65.13	-4.97	-70.10	-36.00	-34.10	peak
3	485.9000	-71.69	0.67	-71.02	-54.00	-17.02	peak
4	631.4000	-72.86	2.62	-70.24	-54.00	-16.24	peak
5	774.4750	-73.79	4.24	-69.55	-54.00	-15.55	peak
6	903.0000	-72.86	5.44	-67.42	-36.00	-31.42	peak
7	1970.000	-54.66	-5.53	-60.19	-30.00	-30.19	peak
8	4824.000	-56.26	-1.00	-57.26	-30.00	-27.26	peak
9	10256.250	-59.86	7.23	-52.63	-30.00	-22.63	peak

Mode:	Mode 2	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.5250	-67.71	-7.29	-75.00	-36.00	-39.00	peak
2	299.1750	-66.43	-4.16	-70.59	-36.00	-34.59	peak
3	481.0500	-72.71	0.77	-71.94	-54.00	-17.94	peak
4	665.3500	-74.09	2.80	-71.29	-54.00	-17.29	peak
5	781.7500	-74.11	4.38	-69.73	-54.00	-15.73	peak
6	946.6500	-73.79	6.29	-67.50	-36.00	-31.50	peak
7	2230.000	-51.12	-5.44	-56.56	-30.00	-26.56	peak
8	4944.000	-57.08	-1.20	-58.28	-30.00	-28.28	peak
9	11325.000	-60.81	7.48	-53.33	-30.00	-23.33	peak

Mode:	Mode 2	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.4500	-64.29	-10.53	-74.82	-54.00	-20.82	peak
2	318.5750	-67.37	-3.45	-70.82	-36.00	-34.82	peak
3	432.5500	-69.59	-1.18	-70.77	-36.00	-34.77	peak
4	609.5750	-74.15	2.99	-71.16	-54.00	-17.16	peak
5	767.2000	-74.48	4.10	-70.38	-54.00	-16.38	peak
6	881.1750	-73.47	5.29	-68.18	-36.00	-32.18	peak
7	2130.000	-52.47	-5.01	-57.48	-30.00	-27.48	peak
8	4944.000	-56.69	-1.20	-57.89	-30.00	-27.89	peak
9	10470.000	-59.28	7.52	-51.76	-30.00	-21.76	peak

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	102.7500	-66.86	-10.78	-77.64	-54.00	-23.64	peak
2	279.7750	-66.77	-5.06	-71.83	-36.00	-35.83	peak
3	481.0500	-73.11	0.77	-72.34	-54.00	-18.34	peak
4	626.5500	-75.14	2.77	-72.37	-54.00	-18.37	peak
5	786.6000	-74.16	4.43	-69.73	-54.00	-15.73	peak
6	936.9500	-74.70	6.17	-68.53	-36.00	-32.53	peak
7	2170.000	-52.68	-5.17	-57.85	-30.00	-27.85	peak
8	4824.000	-51.59	-1.00	-52.59	-30.00	-22.59	peak
9	10945.000	-60.84	7.50	-53.34	-30.00	-23.34	peak

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.5250	-67.46	-7.29	-74.75	-36.00	-38.75	peak
2	333.1250	-67.89	-2.90	-70.79	-36.00	-34.79	peak
3	481.0500	-71.47	0.77	-70.70	-54.00	-16.70	peak
4	704.1500	-74.68	4.10	-70.58	-54.00	-16.58	peak
5	873.9000	-74.29	5.27	-69.02	-36.00	-33.02	peak
6	983.0250	-74.35	6.43	-67.92	-36.00	-31.92	peak
7	2135.000	-51.26	-5.03	-56.29	-30.00	-26.29	peak
8	4824.000	-51.01	-1.00	-52.01	-30.00	-22.01	peak
9	10363.125	-60.29	7.40	-52.89	-30.00	-22.89	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	68.8000	-64.96	-11.18	-76.14	-54.00	-22.14	peak
2	265.2250	-67.80	-4.91	-72.71	-36.00	-36.71	peak
3	432.5500	-70.59	-1.18	-71.77	-36.00	-35.77	peak
4	565.9250	-74.06	1.57	-72.49	-54.00	-18.49	peak
5	776.9000	-73.23	4.29	-68.94	-54.00	-14.94	peak
6	951.5000	-74.90	6.33	-68.57	-36.00	-32.57	peak
7	2270.000	-51.56	-5.63	-57.19	-30.00	-27.19	peak
8	4944.000	-56.67	-1.20	-57.87	-30.00	-27.87	peak
9	9733.750	-58.58	6.77	-51.81	-30.00	-21.81	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	95.4750	-67.74	-11.01	-78.75	-54.00	-24.75	peak
2	284.6250	-65.25	-5.02	-70.27	-36.00	-34.27	peak
3	432.5500	-69.58	-1.18	-70.76	-36.00	-34.76	peak
4	653.2250	-74.14	2.54	-71.60	-54.00	-17.60	peak
5	839.9500	-71.33	5.32	-66.01	-54.00	-12.01	peak
6	919.9750	-72.79	5.81	-66.98	-36.00	-30.98	peak
7	2000.000	-51.97	-5.26	-57.23	-30.00	-27.23	peak
8	4944.000	-53.71	-1.20	-54.91	-30.00	-24.91	peak
9	10945.000	-60.59	7.50	-53.09	-30.00	-23.09	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	153.6750	-68.24	-7.70	-75.94	-36.00	-39.94	peak
2	304.0250	-70.00	-4.04	-74.04	-36.00	-38.04	peak
3	466.5000	-73.07	0.12	-72.95	-36.00	-36.95	peak
4	616.8500	-75.69	3.01	-72.68	-54.00	-18.68	peak
5	779.3250	-74.99	4.35	-70.64	-54.00	-16.64	peak
6	915.1250	-74.82	5.70	-69.12	-36.00	-33.12	peak
7	2170.000	-52.81	-5.17	-57.98	-30.00	-27.98	peak
8	4844.000	-56.70	-1.05	-57.75	-30.00	-27.75	peak
9	10327.500	-59.80	7.26	-52.54	-30.00	-22.54	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	76.0750	-69.11	-10.68	-79.79	-36.00	-43.79	peak
2	180.3500	-70.68	-5.51	-76.19	-54.00	-22.19	peak
3	330.7000	-69.30	-2.97	-72.27	-36.00	-36.27	peak
4	529.5500	-74.04	1.28	-72.76	-54.00	-18.76	peak
5	723.5500	-74.69	4.19	-70.50	-54.00	-16.50	peak
6	919.9750	-72.21	5.81	-66.40	-36.00	-30.40	peak
7	2095.000	-51.70	-4.90	-56.60	-30.00	-26.60	peak
8	4944.000	-56.14	-1.20	-57.34	-30.00	-27.34	peak
9	10885.625	-59.50	7.50	-52.00	-30.00	-22.00	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	107.6000	-63.88	-10.53	-74.41	-54.00	-20.41	peak
2	299.1750	-65.75	-4.16	-69.91	-36.00	-33.91	peak
3	481.0500	-73.58	0.77	-72.81	-54.00	-18.81	peak
4	614.4250	-74.37	3.00	-71.37	-54.00	-17.37	peak
5	759.9250	-74.61	3.98	-70.63	-54.00	-16.63	peak
6	912.7000	-74.46	5.64	-68.82	-36.00	-32.82	peak
7	2105.000	-54.83	-4.90	-59.73	-30.00	-29.73	peak
8	4924.000	-56.71	-1.20	-57.91	-30.00	-27.91	peak
9	9923.750	-60.97	7.07	-53.90	-30.00	-23.90	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	168.2250	-67.20	-6.35	-73.55	-36.00	-37.55	peak
2	333.1250	-67.47	-2.90	-70.37	-36.00	-34.37	peak
3	507.7250	-71.00	0.70	-70.30	-54.00	-16.30	peak
4	684.7500	-74.12	3.54	-70.58	-54.00	-16.58	peak
5	822.9750	-74.59	5.23	-69.36	-54.00	-15.36	peak
6	944.2250	-74.42	6.26	-68.16	-36.00	-32.16	peak
7	1915.000	-54.66	-6.02	-60.68	-30.00	-30.68	peak
8	4924.000	-56.95	-1.20	-58.15	-30.00	-28.15	peak
9	10066.250	-60.74	7.06	-53.68	-30.00	-23.68	peak

Beamforming on

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	107.6000	-63.87	-10.53	-74.40	-54.00	-20.40	peak
2	299.1750	-66.91	-4.16	-71.07	-36.00	-35.07	peak
3	498.0250	-71.76	0.55	-71.21	-54.00	-17.21	peak
4	694.4500	-74.74	3.85	-70.89	-54.00	-16.89	peak
5	825.4000	-74.72	5.26	-69.46	-54.00	-15.46	peak
6	958.7750	-74.00	6.36	-67.64	-36.00	-31.64	peak
7	2240.000	-53.78	-5.49	-59.27	-30.00	-29.27	peak
8	4824.000	-47.37	-1.00	-48.37	-30.00	-18.37	peak
9	9648.000	-58.66	6.63	-52.03	-30.00	-22.03	peak

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	163.3750	-66.78	-6.83	-73.61	-36.00	-37.61	peak
2	333.1250	-67.58	-2.90	-70.48	-36.00	-34.48	peak
3	451.9500	-72.26	-0.68	-72.94	-36.00	-36.94	peak
4	621.7000	-75.05	2.95	-72.10	-54.00	-18.10	peak
5	745.3750	-74.45	4.08	-70.37	-54.00	-16.37	peak
6	951.5000	-74.88	6.33	-68.55	-36.00	-32.55	peak
7	2180.000	-50.16	-5.22	-55.38	-30.00	-25.38	peak
8	4824.000	-48.66	-1.00	-49.66	-30.00	-19.66	peak
9	9648.000	-55.32	6.63	-48.69	-30.00	-18.69	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	156.1000	-67.68	-7.50	-75.18	-36.00	-39.18	peak
2	299.1750	-66.31	-4.16	-70.47	-36.00	-34.47	peak
3	493.1750	-72.43	0.57	-71.86	-54.00	-17.86	peak
4	628.9750	-75.07	2.69	-72.38	-54.00	-18.38	peak
5	776.9000	-74.24	4.29	-69.95	-54.00	-15.95	peak
6	919.9750	-74.57	5.81	-68.76	-36.00	-32.76	peak
7	2200.000	-52.84	-5.30	-58.14	-30.00	-28.14	peak
8	4944.000	-50.56	-1.20	-51.76	-30.00	-21.76	peak
9	11479.375	-60.22	7.50	-52.72	-30.00	-22.72	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	68.8000	-63.71	-11.18	-74.89	-54.00	-20.89	peak
2	279.7750	-65.08	-5.06	-70.14	-36.00	-34.14	peak
3	471.3500	-71.28	0.46	-70.82	-54.00	-16.82	peak
4	631.4000	-74.83	2.62	-72.21	-54.00	-18.21	peak
5	725.9750	-73.42	4.22	-69.20	-54.00	-15.20	peak
6	919.9750	-72.21	5.81	-66.40	-36.00	-30.40	peak
7	2090.000	-52.69	-4.92	-57.61	-30.00	-27.61	peak
8	4944.000	-50.79	-1.20	-51.99	-30.00	-21.99	peak
9	9888.000	-55.29	7.04	-48.25	-30.00	-18.25	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	68.8000	-65.30	-11.18	-76.48	-54.00	-22.48	peak
2	190.0500	-67.14	-5.38	-72.52	-54.00	-18.52	peak
3	376.7750	-72.15	-0.71	-72.86	-36.00	-36.86	peak
4	609.5750	-74.30	2.99	-71.31	-54.00	-17.31	peak
5	764.7750	-74.47	4.06	-70.41	-54.00	-16.41	peak
6	941.8000	-74.59	6.24	-68.35	-36.00	-32.35	peak
7	2100.000	-55.21	-4.88	-60.09	-30.00	-30.09	peak
8	4824.000	-55.97	-1.00	-56.97	-30.00	-26.97	peak
9	10268.125	-59.94	7.21	-52.73	-30.00	-22.73	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.4500	-64.73	-10.53	-75.26	-54.00	-21.26	peak
2	289.4750	-65.13	-4.97	-70.10	-36.00	-34.10	peak
3	485.9000	-71.69	0.67	-71.02	-54.00	-17.02	peak
4	631.4000	-72.86	2.62	-70.24	-54.00	-16.24	peak
5	774.4750	-73.79	4.24	-69.55	-54.00	-15.55	peak
6	903.0000	-72.86	5.44	-67.42	-36.00	-31.42	peak
7	1970.000	-54.66	-5.53	-60.19	-30.00	-30.19	peak
8	4824.000	-56.26	-1.00	-57.26	-30.00	-27.26	peak
9	10256.250	-59.86	7.23	-52.63	-30.00	-22.63	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.5250	-67.71	-7.29	-75.00	-36.00	-39.00	peak
2	299.1750	-66.43	-4.16	-70.59	-36.00	-34.59	peak
3	481.0500	-72.71	0.77	-71.94	-54.00	-17.94	peak
4	665.3500	-74.09	2.80	-71.29	-54.00	-17.29	peak
5	781.7500	-74.11	4.38	-69.73	-54.00	-15.73	peak
6	946.6500	-73.79	6.29	-67.50	-36.00	-31.50	peak
7	2230.000	-51.12	-5.44	-56.56	-30.00	-26.56	peak
8	4944.000	-57.08	-1.20	-58.28	-30.00	-28.28	peak
9	11325.000	-60.81	7.48	-53.33	-30.00	-23.33	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.4500	-64.29	-10.53	-74.82	-54.00	-20.82	peak
2	318.5750	-67.37	-3.45	-70.82	-36.00	-34.82	peak
3	432.5500	-69.59	-1.18	-70.77	-36.00	-34.77	peak
4	609.5750	-74.15	2.99	-71.16	-54.00	-17.16	peak
5	767.2000	-74.48	4.10	-70.38	-54.00	-16.38	peak
6	881.1750	-73.47	5.29	-68.18	-36.00	-32.18	peak
7	2130.000	-52.47	-5.01	-57.48	-30.00	-27.48	peak
8	4944.000	-56.69	-1.20	-57.89	-30.00	-27.89	peak
9	10470.000	-59.28	7.52	-51.76	-30.00	-21.76	peak

3.7. Receiver Spurious Emissions Test

Mode:	Mode 1	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	68.8000	-65.64	-11.18	-76.82	-57.00	-19.82	peak
2	257.9500	-65.44	-4.82	-70.26	-57.00	-13.26	peak
3	371.9250	-71.24	-0.77	-72.01	-57.00	-15.01	peak
4	582.9000	-74.72	2.18	-72.54	-57.00	-15.54	peak
5	752.6500	-73.76	3.95	-69.81	-57.00	-12.81	peak
6	939.3750	-74.51	6.21	-68.30	-57.00	-11.30	peak
7	1400.000	-47.97	-8.59	-56.56	-47.00	-9.56	peak
8	5837.500	-56.23	1.23	-55.00	-47.00	-8.00	peak
9	10695.625	-59.64	5.48	-54.16	-47.00	-7.16	peak

Mode:	Mode 1	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	153.6750	-68.43	-7.70	-76.13	-57.00	-19.13	peak
2	371.9250	-70.63	-0.77	-71.40	-57.00	-14.40	peak
3	510.1500	-72.23	0.75	-71.48	-57.00	-14.48	peak
4	721.1250	-74.40	4.16	-70.24	-57.00	-13.24	peak
5	825.4000	-72.68	5.26	-67.42	-57.00	-10.42	peak
6	919.9750	-71.83	5.81	-66.02	-57.00	-9.02	peak
7	2110.000	-52.71	-4.92	-57.63	-47.00	-10.63	peak
8	6262.500	-57.09	2.15	-54.94	-47.00	-7.94	peak
9	10280.000	-61.32	5.04	-56.28	-47.00	-9.28	peak

Mode:	Mode 1	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.5250	-67.87	-7.29	-75.16	-57.00	-18.16	peak
2	299.1750	-66.12	-4.16	-70.28	-57.00	-13.28	peak
3	478.6250	-72.82	0.74	-72.08	-57.00	-15.08	peak
4	718.7000	-74.49	4.15	-70.34	-57.00	-13.34	peak
5	859.3500	-73.57	5.28	-68.29	-57.00	-11.29	peak
6	973.3250	-74.74	6.49	-68.25	-57.00	-11.25	peak
7	1395.000	-51.46	-8.60	-60.06	-47.00	-13.06	peak
8	5112.500	-57.58	-0.96	-58.54	-47.00	-11.54	peak
9	10600.625	-61.47	5.49	-55.98	-47.00	-8.98	peak

Mode:	Mode 1	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.5250	-68.10	-7.29	-75.39	-57.00	-18.39	peak
2	299.1750	-63.69	-4.16	-67.85	-57.00	-10.85	peak
3	384.0500	-71.11	-0.85	-71.96	-57.00	-14.96	peak
4	597.4500	-73.25	2.73	-70.52	-57.00	-13.52	peak
5	779.3250	-73.51	4.35	-69.16	-57.00	-12.16	peak
6	919.9750	-71.31	5.81	-65.50	-57.00	-8.50	peak
7	2025.000	-53.58	-5.16	-58.74	-47.00	-11.74	peak
8	4762.500	-57.77	-0.93	-58.70	-47.00	-11.70	peak
9	10493.750	-60.79	5.36	-55.43	-47.00	-8.43	peak

Mode:	Mode 2	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	107.6000	-63.59	-10.53	-74.12	-57.00	-17.12	peak
2	250.6750	-64.93	-4.54	-69.47	-57.00	-12.47	peak
3	371.9250	-71.98	-0.77	-72.75	-57.00	-15.75	peak
4	546.5250	-74.67	1.64	-73.03	-57.00	-16.03	peak
5	718.7000	-74.62	4.15	-70.47	-57.00	-13.47	peak
6	866.6250	-74.72	5.27	-69.45	-57.00	-12.45	peak
7	2225.000	-53.37	-5.42	-58.79	-47.00	-11.79	peak
8	4775.000	-57.55	-0.93	-58.48	-47.00	-11.48	peak
9	10303.750	-61.09	5.02	-56.07	-47.00	-9.07	peak

Mode:	Mode 2	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	136.7000	-60.51	-9.52	-70.03	-57.00	-13.03	peak
2	337.9750	-67.05	-2.76	-69.81	-57.00	-12.81	peak
3	471.3500	-71.45	0.46	-70.99	-57.00	-13.99	peak
4	599.8750	-74.03	2.80	-71.23	-57.00	-14.23	peak
5	779.3250	-73.73	4.35	-69.38	-57.00	-12.38	peak
6	919.9750	-72.94	5.81	-67.13	-57.00	-10.13	peak
7	1995.000	-52.74	-5.30	-58.04	-47.00	-11.04	peak
8	5437.500	-58.00	0.31	-57.69	-47.00	-10.69	peak
9	10493.750	-60.79	5.36	-55.43	-47.00	-8.43	peak

Mode:	Mode 2	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	63.9500	-64.31	-10.39	-74.70	-57.00	-17.70	peak
2	177.9250	-67.36	-5.65	-73.01	-57.00	-16.01	peak
3	362.2250	-72.13	-1.24	-73.37	-57.00	-16.37	peak
4	502.8750	-72.23	0.60	-71.63	-57.00	-14.63	peak
5	665.3500	-74.15	2.80	-71.35	-57.00	-14.35	peak
6	864.2000	-73.71	5.28	-68.43	-57.00	-11.43	peak
7	2225.000	-52.57	-5.42	-57.99	-47.00	-10.99	peak
8	4837.500	-57.83	-1.04	-58.87	-47.00	-11.87	peak
9	10766.875	-61.69	5.45	-56.24	-47.00	-9.24	peak

Mode:	Mode 2	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	90.6250	-63.59	-11.10	-74.69	-57.00	-17.69	peak
2	294.3250	-65.78	-4.59	-70.37	-57.00	-13.37	peak
3	432.5500	-69.05	-1.18	-70.23	-57.00	-13.23	peak
4	621.7000	-74.18	2.95	-71.23	-57.00	-14.23	peak
5	735.6750	-73.50	4.25	-69.25	-57.00	-12.25	peak
6	919.9750	-72.62	5.81	-66.81	-57.00	-9.81	peak
7	2060.000	-54.73	-5.03	-59.76	-47.00	-12.76	peak
8	5425.000	-58.59	0.26	-58.33	-47.00	-11.33	peak
9	10232.500	-61.17	5.12	-56.05	-47.00	-9.05	peak

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	63.9500	-66.39	-10.39	-76.78	-57.00	-19.78	peak
2	299.1750	-66.42	-4.16	-70.58	-57.00	-13.58	peak
3	493.1750	-73.03	0.57	-72.46	-57.00	-15.46	peak
4	548.9500	-74.47	1.68	-72.79	-57.00	-15.79	peak
5	718.7000	-74.46	4.15	-70.31	-57.00	-13.31	peak
6	900.5750	-74.13	5.39	-68.74	-57.00	-11.74	peak
7	2215.000	-54.67	-5.37	-60.04	-47.00	-13.04	peak
8	5650.000	-56.02	0.61	-55.41	-47.00	-8.41	peak
9	10303.750	-60.50	5.02	-55.48	-47.00	-8.48	peak

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.4500	-64.66	-10.53	-75.19	-57.00	-18.19	peak
2	299.1750	-64.52	-4.16	-68.68	-57.00	-11.68	peak
3	502.8750	-71.90	0.60	-71.30	-57.00	-14.30	peak
4	723.5500	-74.31	4.19	-70.12	-57.00	-13.12	peak
5	895.7250	-74.04	5.36	-68.68	-57.00	-11.68	peak
6	985.4500	-75.23	6.40	-68.83	-57.00	-11.83	peak
7	2110.000	-50.39	-4.92	-55.31	-47.00	-8.31	peak
8	4950.000	-57.93	-1.19	-59.12	-47.00	-12.12	peak
9	10885.625	-60.87	5.35	-55.52	-47.00	-8.52	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	59.1000	-68.44	-9.54	-77.98	-57.00	-20.98	peak
2	284.6250	-67.60	-5.02	-72.62	-57.00	-15.62	peak
3	449.5250	-72.11	-0.76	-72.87	-57.00	-15.87	peak
4	580.4750	-74.74	2.06	-72.68	-57.00	-15.68	peak
5	759.9250	-74.33	3.98	-70.35	-57.00	-13.35	peak
6	929.6750	-74.52	6.04	-68.48	-57.00	-11.48	peak
7	2175.000	-54.29	-5.19	-59.48	-47.00	-12.48	peak
8	4912.500	-57.86	-1.20	-59.06	-47.00	-12.06	peak
9	9876.250	-61.94	4.85	-57.09	-47.00	-10.09	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	97.9000	-67.81	-10.96	-78.77	-57.00	-21.77	peak
2	270.0750	-65.89	-4.91	-70.80	-57.00	-13.80	peak
3	405.8750	-71.76	-1.31	-73.07	-57.00	-16.07	peak
4	585.3250	-73.84	2.31	-71.53	-57.00	-14.53	peak
5	755.0750	-74.55	3.96	-70.59	-57.00	-13.59	peak
6	886.0250	-74.87	5.32	-69.55	-57.00	-12.55	peak
7	2070.000	-53.02	-4.99	-58.01	-47.00	-11.01	peak
8	5225.000	-58.20	-0.44	-58.64	-47.00	-11.64	peak
9	10018.750	-62.50	4.87	-57.63	-47.00	-10.63	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	80.9250	-66.59	-10.30	-76.89	-57.00	-19.89	peak
2	192.4750	-66.86	-5.42	-72.28	-57.00	-15.28	peak
3	299.1750	-66.83	-4.16	-70.99	-57.00	-13.99	peak
4	481.0500	-72.69	0.77	-71.92	-57.00	-14.92	peak
5	725.9750	-74.56	4.22	-70.34	-57.00	-13.34	peak
6	924.8250	-73.95	5.93	-68.02	-57.00	-11.02	peak
7	2220.000	-53.93	-5.39	-59.32	-47.00	-12.32	peak
8	5287.500	-57.30	-0.11	-57.41	-47.00	-10.41	peak
9	9531.875	-60.95	4.25	-56.70	-47.00	-9.70	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.3000	-67.77	-10.75	-78.52	-57.00	-21.52	peak
2	277.3500	-68.43	-5.02	-73.45	-57.00	-16.45	peak
3	481.0500	-72.23	0.77	-71.46	-57.00	-14.46	peak
4	626.5500	-76.32	2.77	-73.55	-57.00	-16.55	peak
5	776.9000	-74.87	4.29	-70.58	-57.00	-13.58	peak
6	907.8500	-75.81	5.54	-70.27	-57.00	-13.27	peak
7	2005.000	-53.89	-5.24	-59.13	-47.00	-12.13	peak
8	4862.500	-58.53	-1.10	-59.63	-47.00	-12.63	peak
9	9496.250	-62.08	4.22	-57.86	-47.00	-10.86	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	143.9750	-67.42	-8.78	-76.20	-57.00	-19.20	peak
2	294.3250	-68.34	-4.59	-72.93	-57.00	-15.93	peak
3	481.0500	-73.50	0.77	-72.73	-57.00	-15.73	peak
4	665.3500	-74.57	2.80	-71.77	-57.00	-14.77	peak
5	793.8750	-75.60	4.50	-71.10	-57.00	-14.10	peak
6	944.2250	-74.93	6.26	-68.67	-57.00	-11.67	peak
7	1905.000	-55.07	-6.11	-61.18	-47.00	-14.18	peak
8	4925.000	-57.29	-1.20	-58.49	-47.00	-11.49	peak
9	9531.875	-61.08	4.25	-56.83	-47.00	-9.83	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	143.9750	-66.45	-8.78	-75.23	-57.00	-18.23	peak
2	294.3250	-66.15	-4.59	-70.74	-57.00	-13.74	peak
3	481.0500	-72.42	0.77	-71.65	-57.00	-14.65	peak
4	619.2750	-75.28	3.01	-72.27	-57.00	-15.27	peak
5	813.2750	-75.44	4.93	-70.51	-57.00	-13.51	peak
6	961.2000	-75.31	6.39	-68.92	-57.00	-11.92	peak
7	2145.000	-53.82	-5.07	-58.89	-47.00	-11.89	peak
8	4950.000	-57.01	-1.19	-58.20	-47.00	-11.20	peak
9	9520.000	-60.80	4.24	-56.56	-47.00	-9.56	peak

Beamforming on

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	68.8000	-65.64	-11.18	-76.82	-57.00	-19.82	peak
2	257.9500	-65.44	-4.82	-70.26	-57.00	-13.26	peak
3	371.9250	-71.24	-0.77	-72.01	-57.00	-15.01	peak
4	582.9000	-74.72	2.18	-72.54	-57.00	-15.54	peak
5	752.6500	-73.76	3.95	-69.81	-57.00	-12.81	peak
6	939.3750	-74.51	6.21	-68.30	-57.00	-11.30	peak
7	1400.000	-47.97	-8.59	-56.56	-47.00	-9.56	peak
8	5837.500	-56.23	1.23	-55.00	-47.00	-8.00	peak
9	10695.625	-59.64	5.48	-54.16	-47.00	-7.16	peak

Mode:	Mode 3	Frequency:	2412 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	153.6750	-68.43	-7.70	-76.13	-57.00	-19.13	peak
2	371.9250	-70.63	-0.77	-71.40	-57.00	-14.40	peak
3	510.1500	-72.23	0.75	-71.48	-57.00	-14.48	peak
4	721.1250	-74.40	4.16	-70.24	-57.00	-13.24	peak
5	825.4000	-72.68	5.26	-67.42	-57.00	-10.42	peak
6	919.9750	-71.83	5.81	-66.02	-57.00	-9.02	peak
7	2110.000	-52.71	-4.92	-57.63	-47.00	-10.63	peak
8	6262.500	-57.09	2.15	-54.94	-47.00	-7.94	peak
9	10280.000	-61.32	5.04	-56.28	-47.00	-9.28	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.5250	-67.87	-7.29	-75.16	-57.00	-18.16	peak
2	299.1750	-66.12	-4.16	-70.28	-57.00	-13.28	peak
3	478.6250	-72.82	0.74	-72.08	-57.00	-15.08	peak
4	718.7000	-74.49	4.15	-70.34	-57.00	-13.34	peak
5	859.3500	-73.57	5.28	-68.29	-57.00	-11.29	peak
6	973.3250	-74.74	6.49	-68.25	-57.00	-11.25	peak
7	1395.000	-51.46	-8.60	-60.06	-47.00	-13.06	peak
8	5112.500	-57.58	-0.96	-58.54	-47.00	-11.54	peak
9	10600.625	-61.47	5.49	-55.98	-47.00	-8.98	peak

Mode:	Mode 3	Frequency:	2472 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.5250	-68.10	-7.29	-75.39	-57.00	-18.39	peak
2	299.1750	-63.69	-4.16	-67.85	-57.00	-10.85	peak
3	384.0500	-71.11	-0.85	-71.96	-57.00	-14.96	peak
4	597.4500	-73.25	2.73	-70.52	-57.00	-13.52	peak
5	779.3250	-73.51	4.35	-69.16	-57.00	-12.16	peak
6	919.9750	-71.31	5.81	-65.50	-57.00	-8.50	peak
7	2025.000	-53.58	-5.16	-58.74	-47.00	-11.74	peak
8	4762.500	-57.77	-0.93	-58.70	-47.00	-11.70	peak
9	10493.750	-60.79	5.36	-55.43	-47.00	-8.43	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	107.6000	-63.59	-10.53	-74.12	-57.00	-17.12	peak
2	250.6750	-64.93	-4.54	-69.47	-57.00	-12.47	peak
3	371.9250	-71.98	-0.77	-72.75	-57.00	-15.75	peak
4	546.5250	-74.67	1.64	-73.03	-57.00	-16.03	peak
5	718.7000	-74.62	4.15	-70.47	-57.00	-13.47	peak
6	866.6250	-74.72	5.27	-69.45	-57.00	-12.45	peak
7	2225.000	-53.37	-5.42	-58.79	-47.00	-11.79	peak
8	4775.000	-57.55	-0.93	-58.48	-47.00	-11.48	peak
9	10303.750	-61.09	5.02	-56.07	-47.00	-9.07	peak

Mode:	Mode 4	Frequency:	2422 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	136.7000	-60.51	-9.52	-70.03	-57.00	-13.03	peak
2	337.9750	-67.05	-2.76	-69.81	-57.00	-12.81	peak
3	471.3500	-71.45	0.46	-70.99	-57.00	-13.99	peak
4	599.8750	-74.03	2.80	-71.23	-57.00	-14.23	peak
5	779.3250	-73.73	4.35	-69.38	-57.00	-12.38	peak
6	919.9750	-72.94	5.81	-67.13	-57.00	-10.13	peak
7	1995.000	-52.74	-5.30	-58.04	-47.00	-11.04	peak
8	5437.500	-58.00	0.31	-57.69	-47.00	-10.69	peak
9	10493.750	-60.79	5.36	-55.43	-47.00	-8.43	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	63.9500	-64.31	-10.39	-74.70	-57.00	-17.70	peak
2	177.9250	-67.36	-5.65	-73.01	-57.00	-16.01	peak
3	362.2250	-72.13	-1.24	-73.37	-57.00	-16.37	peak
4	502.8750	-72.23	0.60	-71.63	-57.00	-14.63	peak
5	665.3500	-74.15	2.80	-71.35	-57.00	-14.35	peak
6	864.2000	-73.71	5.28	-68.43	-57.00	-11.43	peak
7	2225.000	-52.57	-5.42	-57.99	-47.00	-10.99	peak
8	4837.500	-57.83	-1.04	-58.87	-47.00	-11.87	peak
9	10766.875	-61.69	5.45	-56.24	-47.00	-9.24	peak

Mode:	Mode 4	Frequency:	2462 MHz
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	90.6250	-63.59	-11.10	-74.69	-57.00	-17.69	peak
2	294.3250	-65.78	-4.59	-70.37	-57.00	-13.37	peak
3	432.5500	-69.05	-1.18	-70.23	-57.00	-13.23	peak
4	621.7000	-74.18	2.95	-71.23	-57.00	-14.23	peak
5	735.6750	-73.50	4.25	-69.25	-57.00	-12.25	peak
6	919.9750	-72.62	5.81	-66.81	-57.00	-9.81	peak
7	2060.000	-54.73	-5.03	-59.76	-47.00	-12.76	peak
8	5425.000	-58.59	0.26	-58.33	-47.00	-11.33	peak
9	10232.500	-61.17	5.12	-56.05	-47.00	-9.05	peak

3.8. Receiver Blocking Test

3.8.1. Normal

Test Mode		Mode 1: IEEE 802.11b Mode					
P_{min}	Low	-96.9 dBm					
Wanted signal mean power from companion device (dBm)		Blocking signal frequency (MHz)	Blocking signal power (dBm)	Type of blocking signal	PER (%) Low Channel	PER Limit (%)	Result
-68 dBm		2380	-34	CW	0.20	≦10	PASS
-74 dBm		2300	-34	CW	0.40	≦10	PASS
		2330			0.20		PASS
		2360			0.20		PASS

Test Mode		Mode 1: IEEE 802.11b Mode					
P_{min}	High	-95.9 dBm					
Wanted signal mean power from companion device (dBm)		Blocking signal frequency (MHz)	Blocking signal power (dBm)	Type of blocking signal	PER (%) High Channel	PER Limit (%)	Result
-68 dBm		2504	-34	CW	0.20	≦10	Pass
-74 dBm		2524	-34	CW	0.60	≦10	Pass
		2584			0.20		Pass
		2674			0.40		Pass

Note：

1. In case of conducted measurements, this level has corrected for the (in-band) antenna assembly gain (G).
2. Transmit blocking signal power to end of board.

Test Mode		Mode 2: IEEE 802.11g Mode						
P_{min}	Low	-89.9 dBm						
Wanted signal mean power from companion device (dBm)		Blocking signal frequency (MHz)	Blocking signal power (dBm)	Type of blocking signal	PER (%) Low Channel	PER Limit (%)	Result	
-68 dBm		2380	-34	CW	0.40	≦10	PASS	
-74 dBm		2300	-34	CW	0.80	≦10	PASS	
		2330			0.20		PASS	
		2360			0.20		PASS	

Test Mode		Mode 2: IEEE 802.11g Mode						
P_{min}	High	-88.9 dBm						
Wanted signal mean power from companion device (dBm)		Blocking signal frequency (MHz)	Blocking signal power (dBm)	Type of blocking signal	PER (%) High Channel	PER Limit (%)	Result	
-68 dBm		2504	-34	CW	0.20	≦10	PASS	
-74 dBm		2524	-34	CW	0.20	≦10	PASS	
		2584			0.40		PASS	
		2674			0.40		PASS	

Note：

1. In case of conducted measurements, this level has corrected for the (in-band) antenna assembly gain (G).
2. Transmit blocking signal power to end of board.

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