

TEST REPORT

of

ARIB STD-T66

Equipment Under Test : VARRAM Pet MEAL-E
Model Name : VRPD2001
Variant Model Name(s) : -
Applicant : VARRAM SYSTEM Co., Ltd.
Manufacturer : VARRAM SYSTEM Co., Ltd.
Date of Receipt : 2021.02.15
Date of Test(s) : 2021.02.23 ~ 2021.03.04
Date of Issue : 2021.03.12

In the configuration tested, the EUT complied with the standards specified above. This test report does not assure KOLAS accreditation.

- 1) The results of this test report are effective only to the items tested.
- 2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.
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Tested by:


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Technical Manager:


Hyunchae You

SGS Korea Co., Ltd. Gunpo Laboratory

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1. General information

1.1. Testing laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)

- Wireless Div. 2FL, 10-2, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807

All SGS services are rendered in accordance with the applicable SGS conditions of service available on request and accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>.

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1.2. Details of applicant

Applicant : VARRAM SYSTEM Co., Ltd.

Address : 57, Techno 11-ro, Yuseong-gu, Daejeon, Republic of Korea

Contact Person : Jung, JuYong

Phone No. : +82 10 6342 9876

1.3. Details of manufacturer

Company : VARRAM SYSTEM Co., Ltd.

Address : 57, Techno 11-ro, Yuseong-gu, Daejeon, Republic of Korea

1.4. Description of EUT

Kind of Product	VARRAM Pet MEAL-E
Model Name	VRPD2001
Power Supply	AC 100 V, DC 4.5 V
Frequency Range	2 412 MHz ~ 2 472 MHz (11b/g/n_HT20),
Modulation Technique	DSSS, OFDM
Number of Channels	13 channels (11b/g/n_HT20),
Antenna Type	FPC Antenna
Antenna Gain	3.0 dBi

Note :

The test was performed with a single output voltage of AC 100V.

Dual output voltages (AC 100V, DC 4.5V) confirmed that the power supply variation for the RF circuit of EUT was less than 1 %.

1.5. Test Equipment List

Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Authority	Cal. Method
Spectrum Analyzer	R&S	FSV30	100955	Mar. 04, 2021	SICT	c)
Signal Generator	R&S	SMR40	100272	Jun. 18, 2020	SICT	c)
Signal Generator	R&S	SMBV100A	255834	Jun. 03, 2020	SICT	c)
Attenuator	AEROFLEX / INMET	18N-20 dB	2	Feb. 08, 2021	SICT	c)
DC Power Supply	R&S	HMP2020	019258024	Nov. 03, 2020	SICT	c)
AC Power Supply	KIKUSUI	PCR 500M	QC002962	Nov. 26, 2020	SICT	c)
DIGITAL MULTIMETER	HIOKI	DT4211	N0301231	Sep. 17, 2020	SICT	c)
Directional Coupler	KRYTAR	152613	122660	Jun. 11, 2020	SICT	c)
Power Splitter	Mini-Circuits	ZFSC-2-10G	002	Jun. 05, 2020	SICT	c)
Attenuator	Mini-Circuits	BW-N20W5+	0950-5	Dec. 04, 2020	SICT	c)

Note;

- a): Calibration conducted by the National Institute of Information and Communications Technology or a designated calibration agency under Article 102-18 paragraph (1).
- b): Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law. (Law No. 51 of 1992)
- c): Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- d): Calibration conducted by using other equipment that listed above from a) to c).

1.6. Test method

Measurement was conducted by the following test method:

The test method of Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in Annex 43 of Article 88, Paragraph 1 and Annex 43 or the test method more than equivalent.

1.7. Summary of test results

The EUT has been tested according to the following specifications:

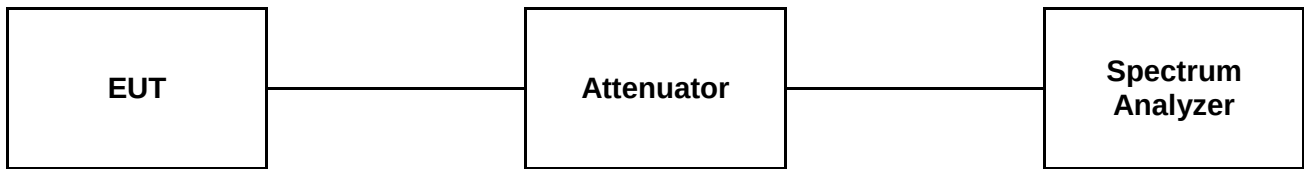
Applied standard : Radio equipment regulations and ARIB STD-T66		
Article Reference	Test item	Result
STD-T66 3.2	Frequency Tolerance	Complied
STD-T66 3.2	Occupied Bandwidth (99 %) and Spread Bandwidth (90 %)	Complied
STD-T66 3.2	Spurious Emission Intensity	Complied
STD-T66 3.2	Antenna Power	Complied
STD-T66 3.3	Secondary Radiated Emissions	Complied
STD-T66 3.4	Interference prevention function	Complied

1.8. Test report revision

Revision	Report number	Date of Issue	Description
0	F690501-RF-RTL001794	2021.03.12	Initial

2. Frequency Tolerance

2.1. Test Setup



2.2. Limit

Tolerance of frequency: $\pm 50 \times 10^{-6}$ or less

2.3. Test procedure

1. Connect transmitter output to the spectrum analyzer input port.
2. The EUT should be transmitting at low, middle and high channel.
3. Frequency Tolerance is measured by following setting:

Center Frequency:	2 412 MHz, 2 442 MHz, 2 472 MHz
Span:	1 MHz
RBW:	10 kHz
VBW:	10 kHz
Sweep data points:	1 001 or greater
Sweep time:	Auto
Detector mode:	Positive peak
Indication mode:	Max hold

4. Find the peak carrier signal and measure its frequency.

2.4. Test result

Ambient temperature : (23 ± 1) °C
 Relative humidity : 47 % R.H.

2.4.1. Test mode: Un-Modulated

Measured frequency (MHz)	Reading frequency (MHz)	Frequency tolerance [ppm]
Low Ch. (2 412)	2 411.984	-6.63
Mid Ch. (2 442)	2 441.982	-7.37
High Ch. (2 472)	2 471.981	-7.69

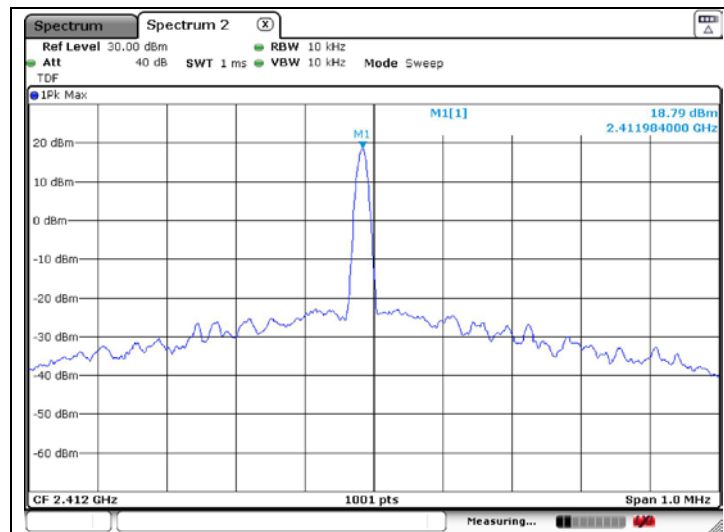
Note;

1. $FT (ppm) = [(RF-MF)/MF] \times 10^6$

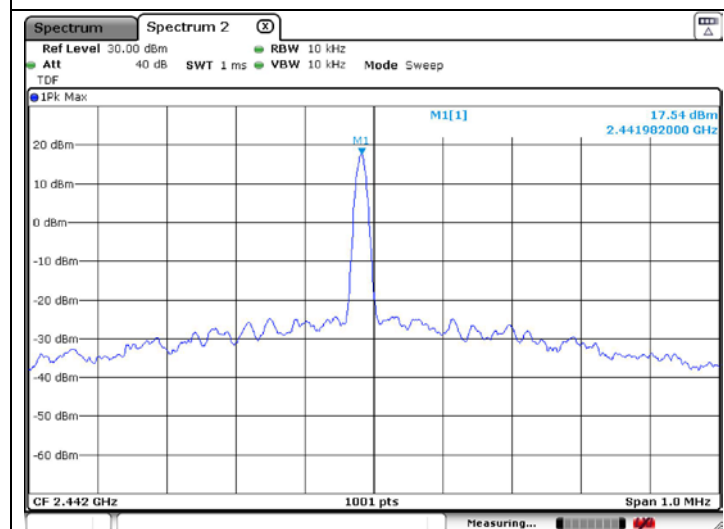
- FT: Frequency Tolerance, RF: Reading Frequency and MF: Measurement Frequency

Test mode: Un-Modulated

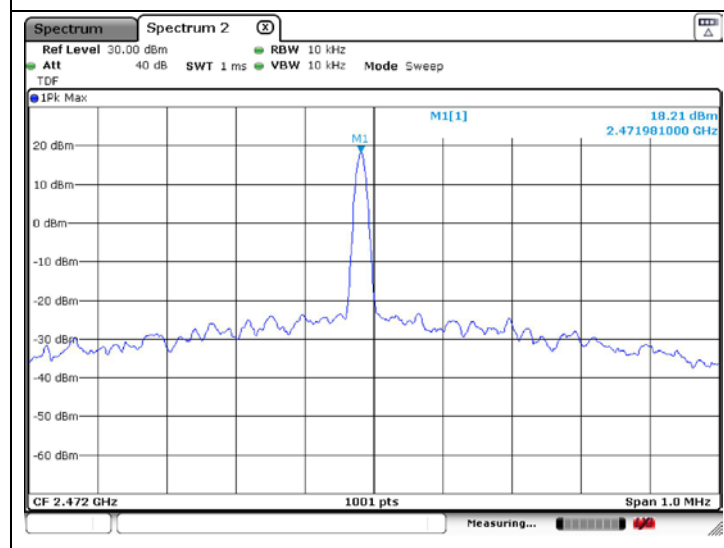
Low channel



Middle channel



High channel



3. Occupied Bandwidth (99 %) and Spread Bandwidth (90 %)

3.1. Test Setup



3.2. Limit

The measured bandwidth at the low and high channels shall meet the following requirements:

- The lowest frequency of the measured bandwidth shall not be less than 2 400 MHz
- The highest frequency of the measured bandwidth shall not be greater than 2 483.5 MHz

The measured bandwidth shall meet the following requirements:

[Occupied Bandwidth]

IEEE802.11b (DSSS) 26 MHz or less

IEEE802.11g/n (OFDM) 38 MHz or less

[Spread Bandwidth]

IEEE802.11b (DSSS): 500 kHz or more

IEEE802.11g/n (OFDM): -

3.3. Test Procedure

1. Connect transmitter output to the spectrum analyzer input port.
2. Occupied Bandwidth and Spread Bandwidth is measured by following setting:

Use OBW capability of spectrum analyzer

[Occupied Bandwidth (99 %)]

Center frequency: IEEE802.11b/g/n (HT20) 2 412 MHz, 2 442 MHz, 2 472 MHz

Span: 60 MHz or 80 MHz

RBW: 300 kHz

VBW: 300 kHz

Sweep time: Auto

Sweep data points: 1 001 or greater

Detector mode: Positive peak

Indication mode: Max hold

BW setting: 99 %

[Spectrum Spread Bandwidth (90 %)]

Center frequency: IEEE802.11b 2 412 MHz, 2 442 MHz, 2 472 MHz

Span: Approximately 60 MHz

RBW: 300 kHz

VBW: 300 kHz

Sweep time: Auto

Sweep data points: 1 001 or greater

Detector mode: Positive peak

Indication mode: Max hold

BW setting: 90 %

3.4. Test result

Ambient temperature : $(23 \pm 1) ^\circ\text{C}$
Relative humidity : 47 % R.H.

3.4.1. Test mode: 11b

Channel	Occupied Bandwidth (MHz)	Spread Bandwidth (MHz)
Low Ch. (2 412 MHz)	13.19	9.71
Mid Ch. (2 442 MHz)	13.11	9.71
High Ch. (2 472 MHz)	13.19	9.71

3.4.2. Test mode: 11g

Channel	Occupied Bandwidth (MHz)
Low Ch. (2 412 MHz)	16.70
Mid Ch. (2 442 MHz)	16.70
High Ch. (2 472 MHz)	16.78

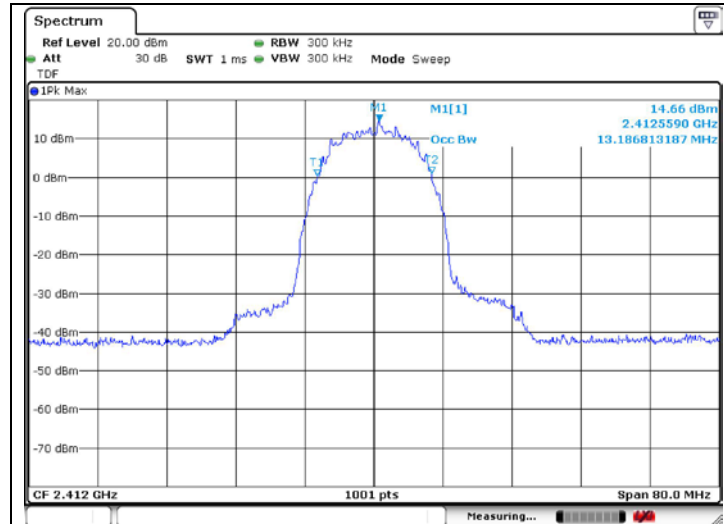
3.4.3. Test mode: 11n_HT20

Channel	Occupied Bandwidth (MHz)
Low Ch. (2 412 MHz)	17.50
Mid Ch. (2 442 MHz)	17.42
High Ch. (2 472 MHz)	17.50

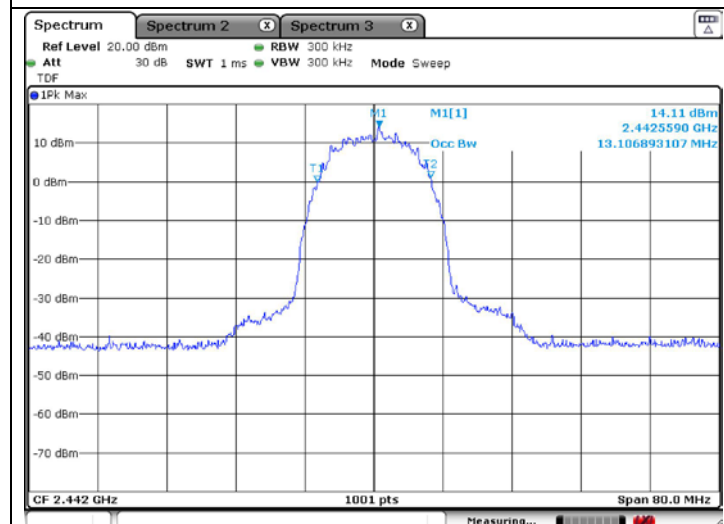
Occupied Bandwidth (99 %)

Test mode: 11b

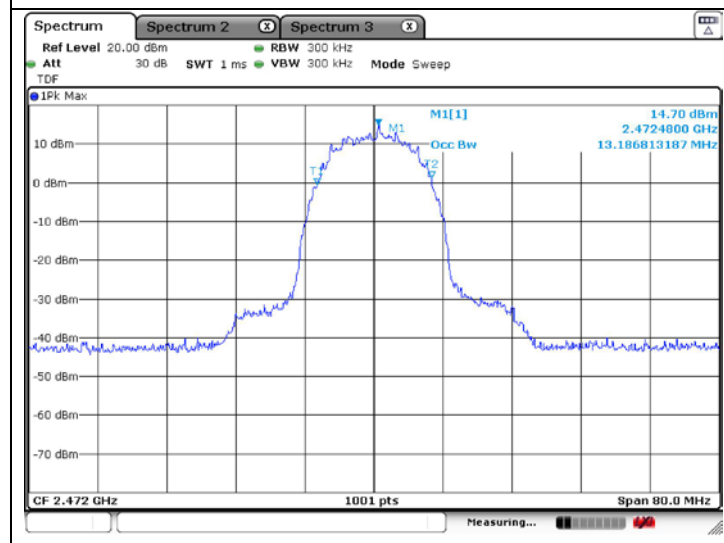
Low channel



Middle channel

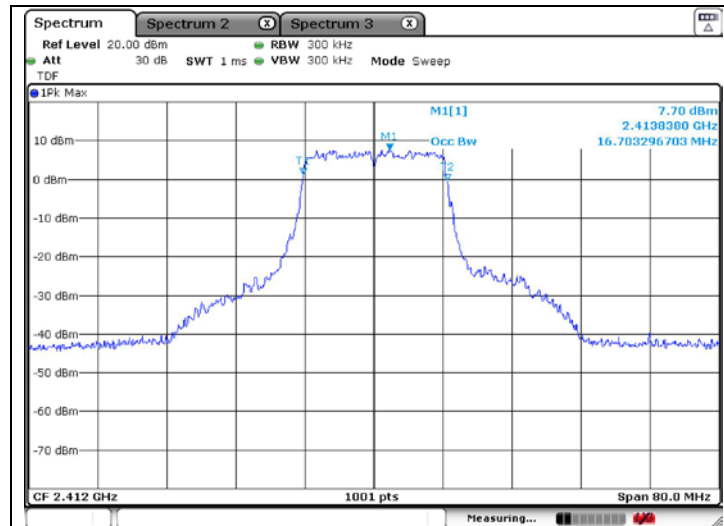


High channel

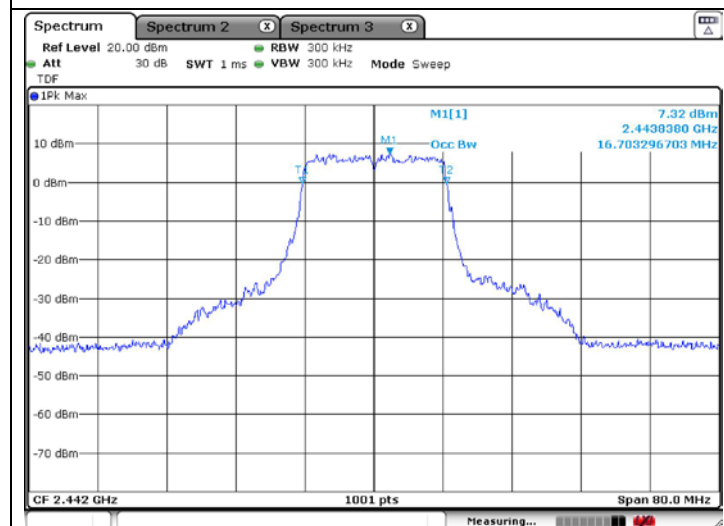


Test mode: 11g

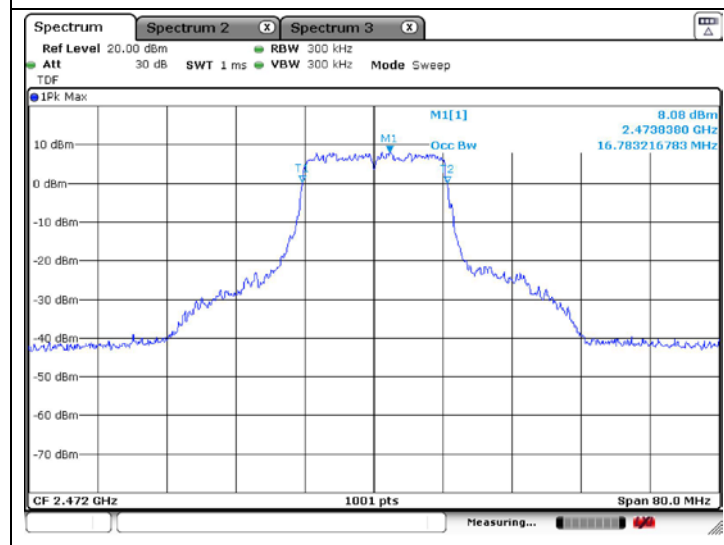
Low channel



Middle channel

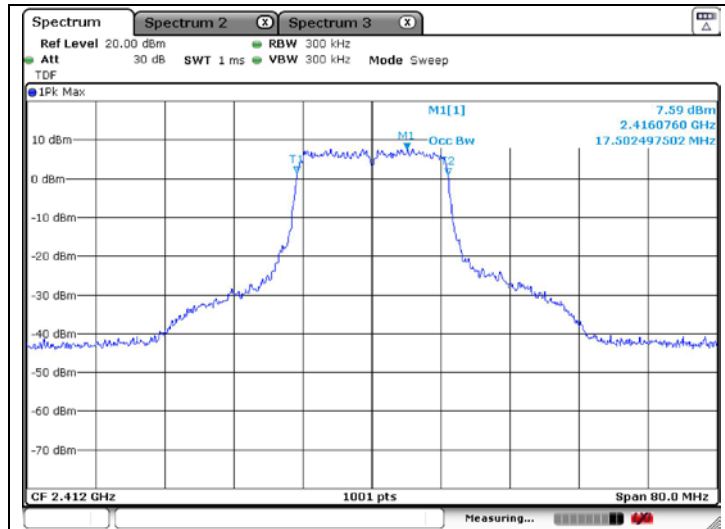


High channel

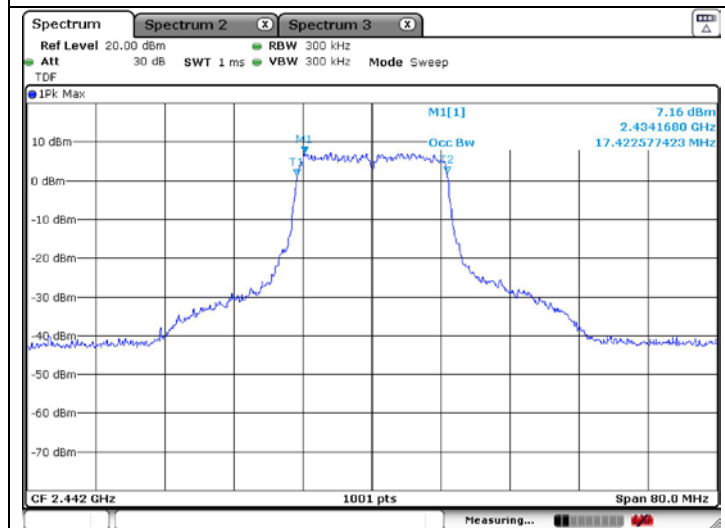


Test mode: 11n_HT20

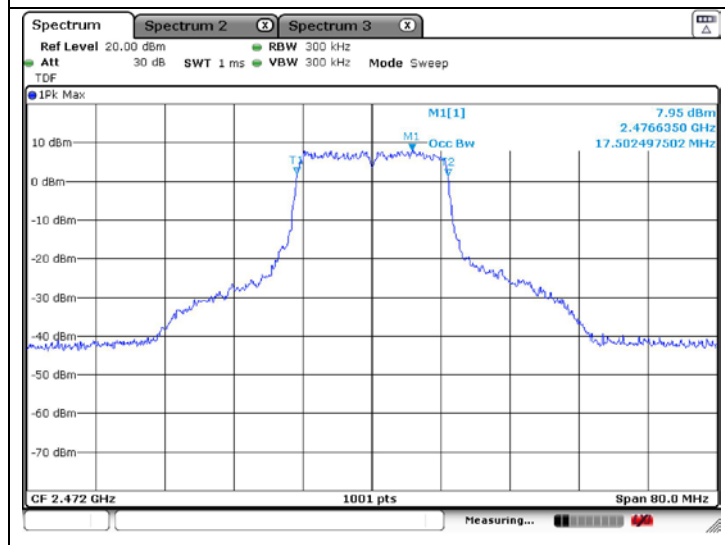
Low channel



Middle channel



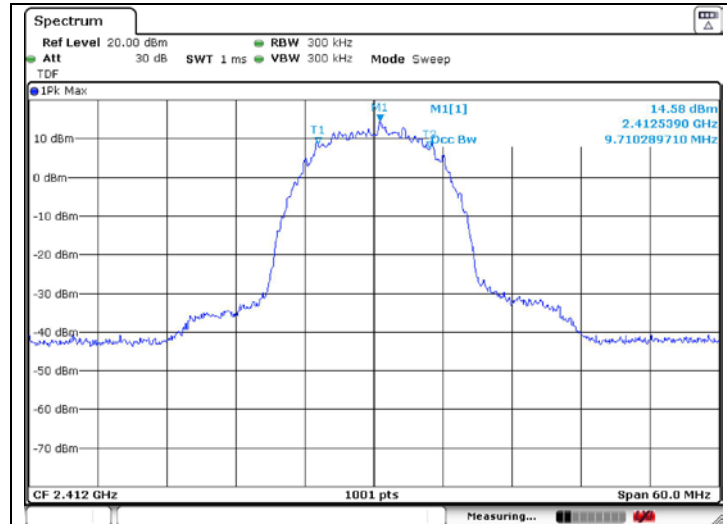
High channel



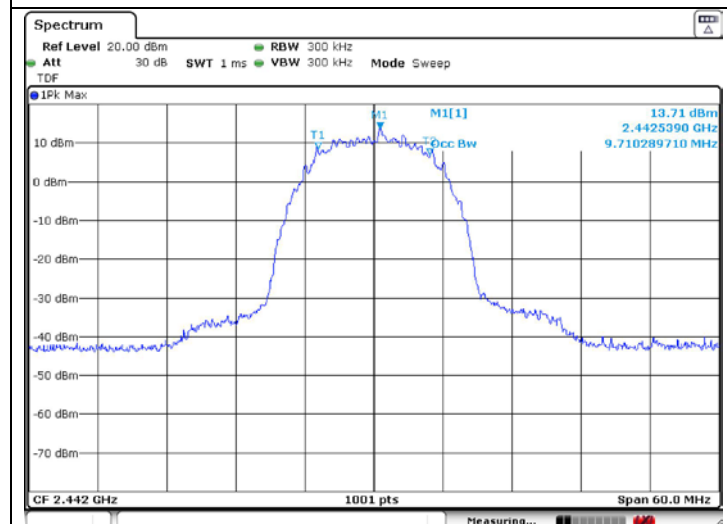
Spread Bandwidth (90 %)

Test mode: 11b

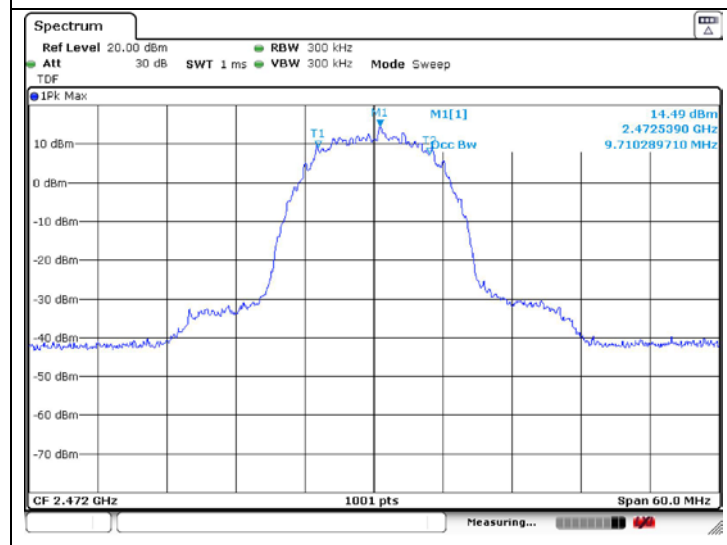
Low channel



Middle channel



High channel



4. Spurious Emission Intensity

4.1. Test Setup



4.2. Limit

Below 2 387 MHz: 2.5 μ W (-26 dB m)/MHz or less
 2 387 to 2 400 MHz: 25.0 μ W (-16 dB m)/MHz or less
 2 483.5 to 2 496.5 MHz: 25.0 μ W (-16 dB m)/MHz or less
 Over 2 496.5 MHz: 2.5 μ W (-26 dB m)/MHz or less

4.3. Test Procedure

1. Connect transmitter output to the spectrum analyzer input port.
2. The EUT should be transmitting at low, middle and high channel.
3. Spurious Emission Intensity is measured by following setting:

[Setting 1]

Frequency range:	30 MHz to 12.5 GHz, except for 2 400 MHz to 2 483.5 MHz
RBW:	1 MHz
VBW:	1 MHz
Sweep time:	Minimum time required to make an accurate measurement
Sweep data points:	1 001 or greater
Detector mode:	Positive peak
Indication mode:	Max hold
Note: sweep shall be repeated until the max hold waveform is stable.	

[Setting 2]

Frequency range:	Frequency of spurious emission found using [Setting 1]
Span:	0 Hz
RBW:	1 MHz
VBW:	1 MHz
Sweep time:	Minimum time required to make an accurate measurement For burst type (intermittent) spuriou emissions, sweep time Shall be greater than one burst interval
Sweep data points:	1 001 or greater
Detector mode:	Sample

4. Search for spurious emissions from 30 MHz to 12.5 GHz

-
5. (1) After configuring the spectrum analyzer to [Setting 1], search for spurious emissions from 30 MHz to 12.5 GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. If spurious emissions greater than [Limit -3 dB] are found, then more detailed measurements are required, go to step (2)
- (2) Configure the spectrum analyzer using [Setting 2] and measure average signal amplitude. If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time.

4.4. Test result

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 % R.H.

4.4.1. Test mode: 11b

Frequency Range (MHz)	Measured	Low Ch. (2 412 MHz)	Mid Ch. (2 442 MHz)	High Ch. (2 472 MHz)	Limit
30 MHz to 2 387 MHz	Frequency (MHz)	807.46	814.53	823.72	-
	Level (dB m/MHz)	-44.91	-44.96	-45.15	-26
	Level (μW/MHz)	0.032	0.032	0.031	2.5
2 387 MHz to 2 400 MHz	Frequency (MHz)	2 399.30	2 393.91	2 400.00	-
	Level (dB m/MHz)	-31.12	-45.49	-47.29	-16
	Level (μW/MHz)	0.773	0.028	0.019	25.0
2 483.5 MHz to 2 496.5 MHz	Frequency (MHz)	2 488.21	2 484.32	2 483.61	-
	Level (dB m/MHz)	-45.79	-43.30	-25.74	-16
	Level (μW/MHz)	0.026	0.047	2.667	25.0
2 496.5 MHz to 12 500 MHz	Frequency (MHz)	4 824.81	4 884.84	4 943.86	-
	Level (dB m/MHz)	-38.37	-39.71	-38.51	-26
	Level (μW/MHz)	0.146	0.107	0.141	2.5

4.4.2. Test mode: 11g

Frequency Range (MHz)	Measured	Low Ch. (2 412 MHz)	Mid Ch. (2 442 MHz)	High Ch. (2 472 MHz)	Limit
30 MHz to 2 387 MHz	Frequency (MHz)	2 386.88	816.41	829.14	-
	Level (dB m/MHz)	-40.29	-47.50	-46.48	-26
	Level (μW/MHz)	0.094	0.018	0.022	2.5
2 387 MHz to 2 400 MHz	Frequency (MHz)	2 399.97	2 394.53	2 397.90	-
	Level (dB m/MHz)	*-29.01	-44.44	-47.49	-16
	Level (μW/MHz)	1.256	0.036	0.018	25.0
2 483.5 MHz to 2 496.5 MHz	Frequency (MHz)	2 487.19	2 487.69	2 483.60	-
	Level (dB m/MHz)	-46.09	-44.61	*-26.27	-16
	Level (μW/MHz)	0.025	0.035	2.360	25.0
2 496.5 MHz to 12 500 MHz	Frequency (MHz)	4 824.81	4 885.84	4 943.86	-
	Level (dB m/MHz)	-40.57	-43.67	-41.50	-26
	Level (μW/MHz)	0.088	0.043	0.071	2.5

- '*' means [Setting 2] test result

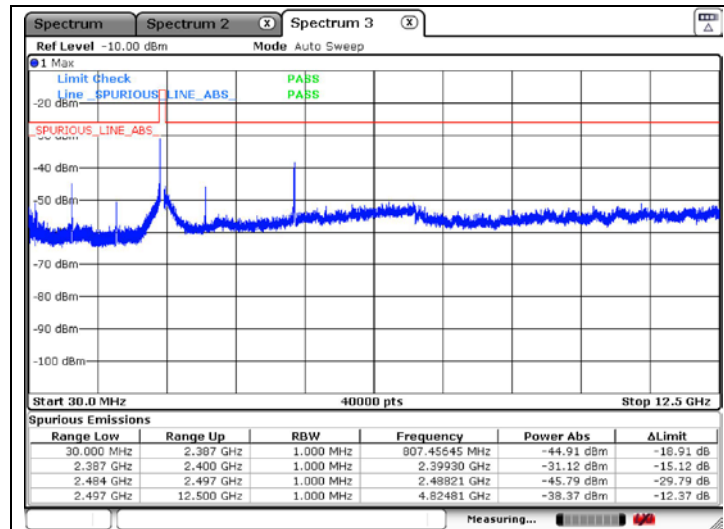
4.4.3. Test mode: 11n_HT20

Frequency Range (MHz)	Measured	Low Ch. (2 412 MHz)	Mid Ch. (2 442 MHz)	High Ch. (2 472 MHz)	Limit
30 MHz to 2 387 MHz	Frequency (MHz)	2 386.65	818.06	818.53	-
	Level (dB m/MHz)	-39.39	-46.91	-47.60	-26
	Level (μ V/MHz)	0.115	0.020	0.017	2.5
2 387 MHz to 2 400 MHz	Frequency (MHz)	2 399.99	2 399.68	2 399.60	-
	Level (dB m/MHz)	*-29.51	-45.51	-47.58	-16
	Level (μ V/MHz)	1.119	0.028	0.017	25.0
2 483.5 MHz to 2 496.5 MHz	Frequency (MHz)	2 488.94	2 496.38	2 483.53	-
	Level (dB m/MHz)	-45.42	-44.79	*-26.08	-16
	Level (μ V/MHz)	0.029	0.033	2.466	25.0
2 496.5 MHz to 12 500 MHz	Frequency (MHz)	4 825.81	4 887.84	2 497.00	-
	Level (dB m/MHz)	-41.55	-43.07	-37.89	-26
	Level (μ V/MHz)	0.070	0.050	0.160	2.5

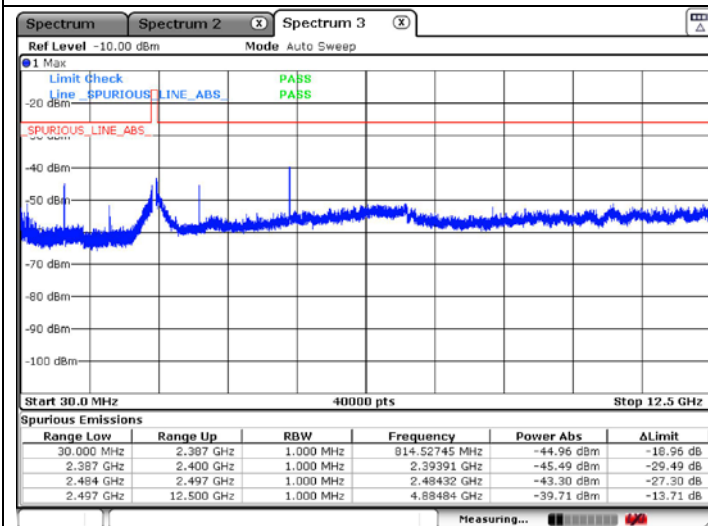
- '*' means [Setting 2] test result

Test mode: 11b

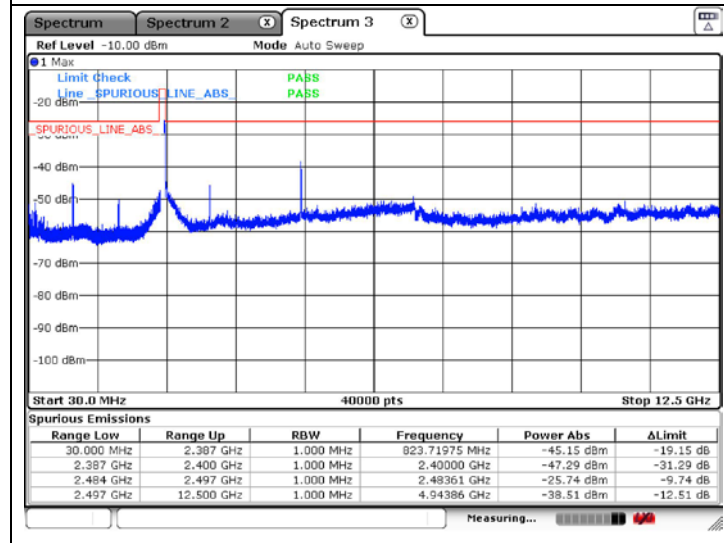
Low channel



Middle channel

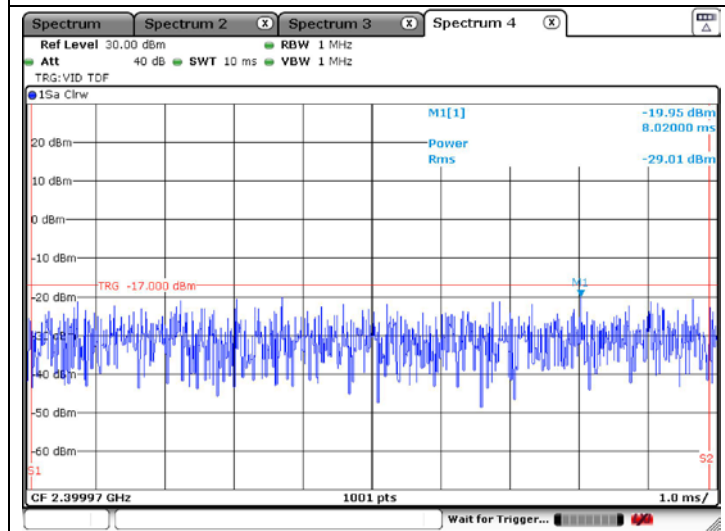
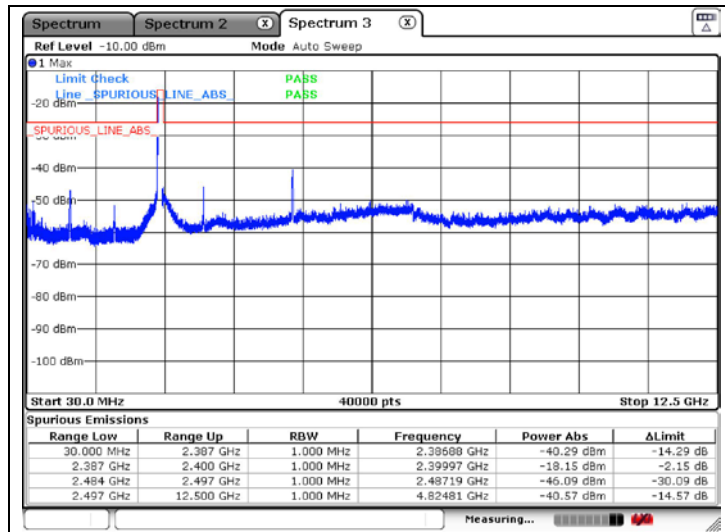


High channel

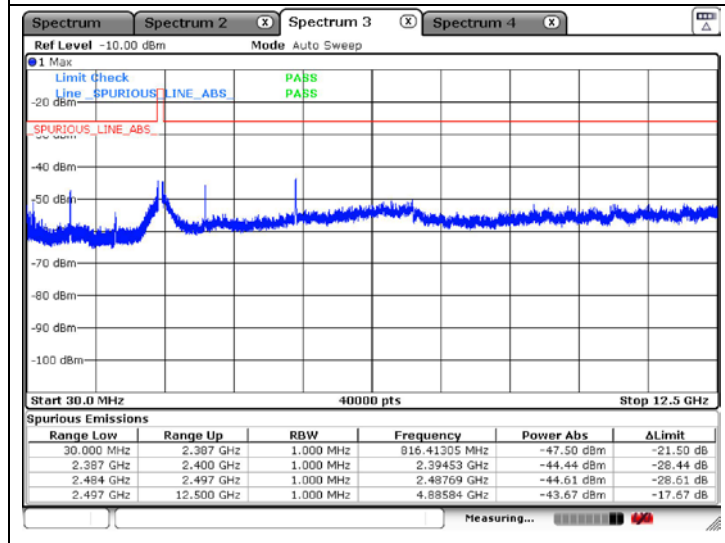


Test mode: 11g

Low channel

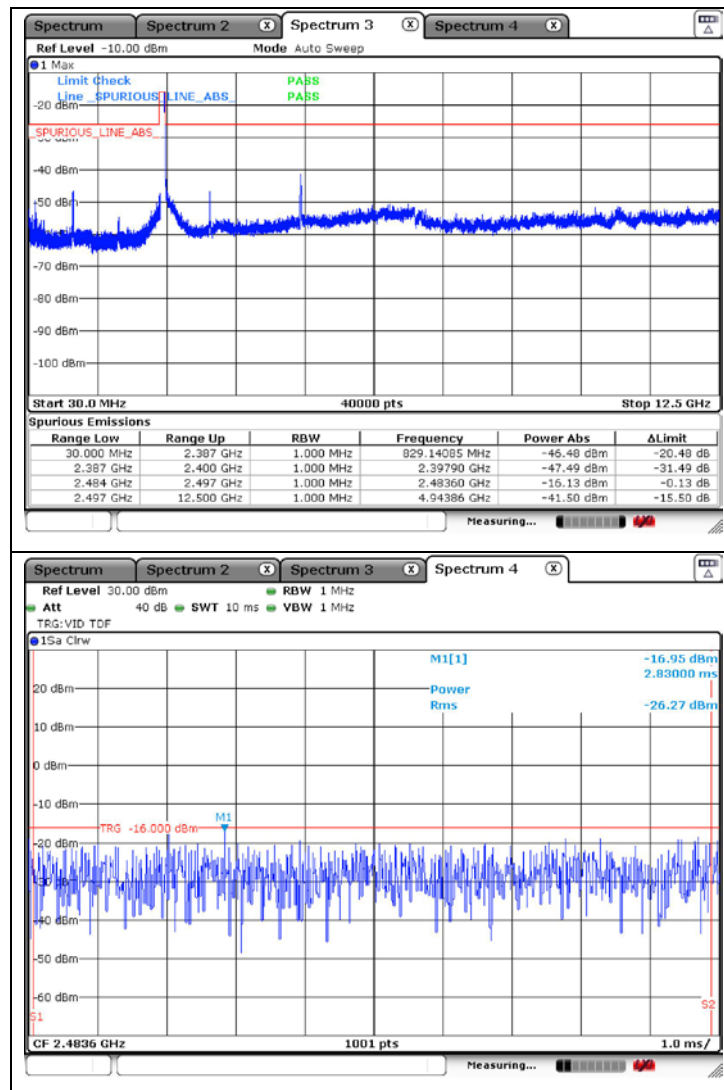


Middle channel



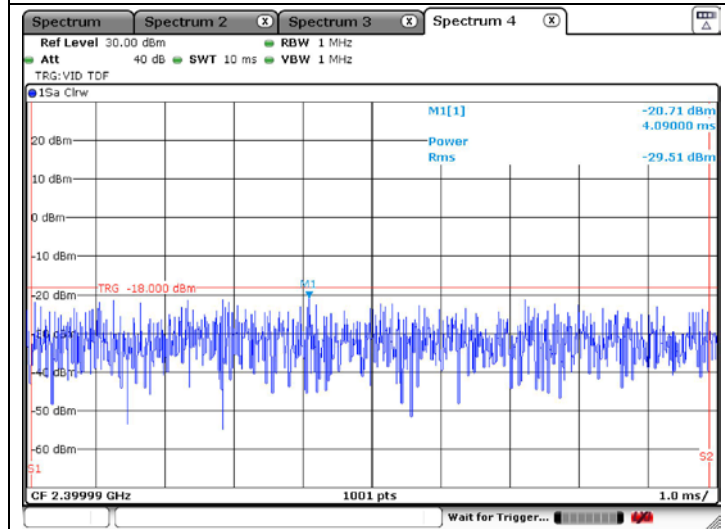
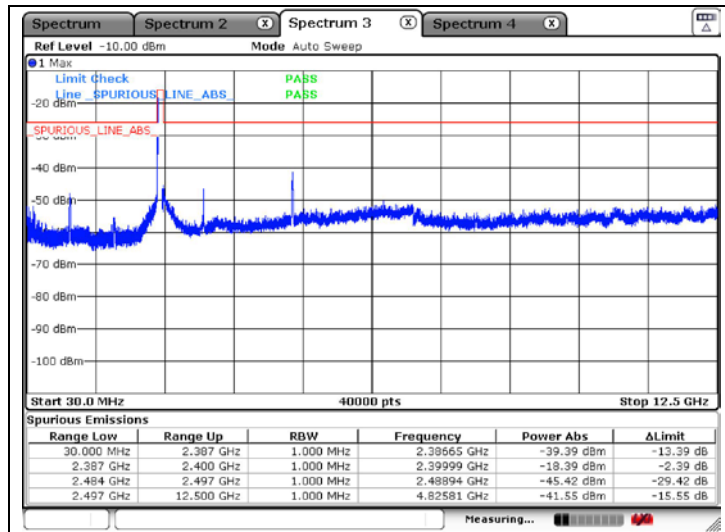
Test mode: 11g

High channel

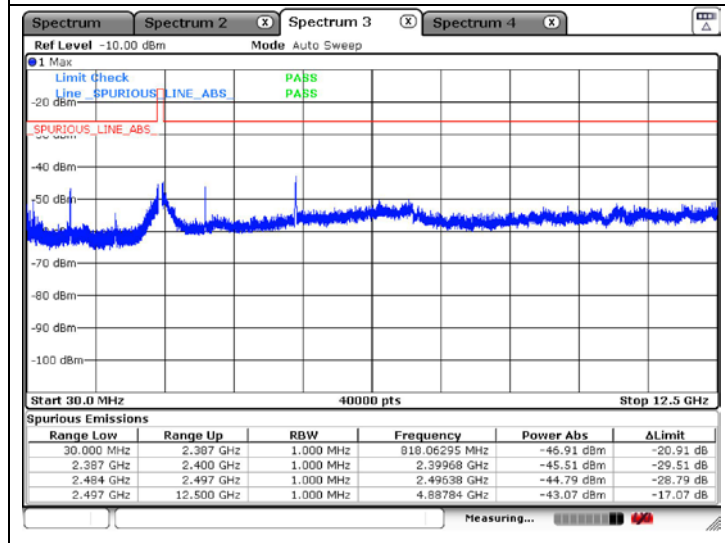


Test mode: 11n_HT20

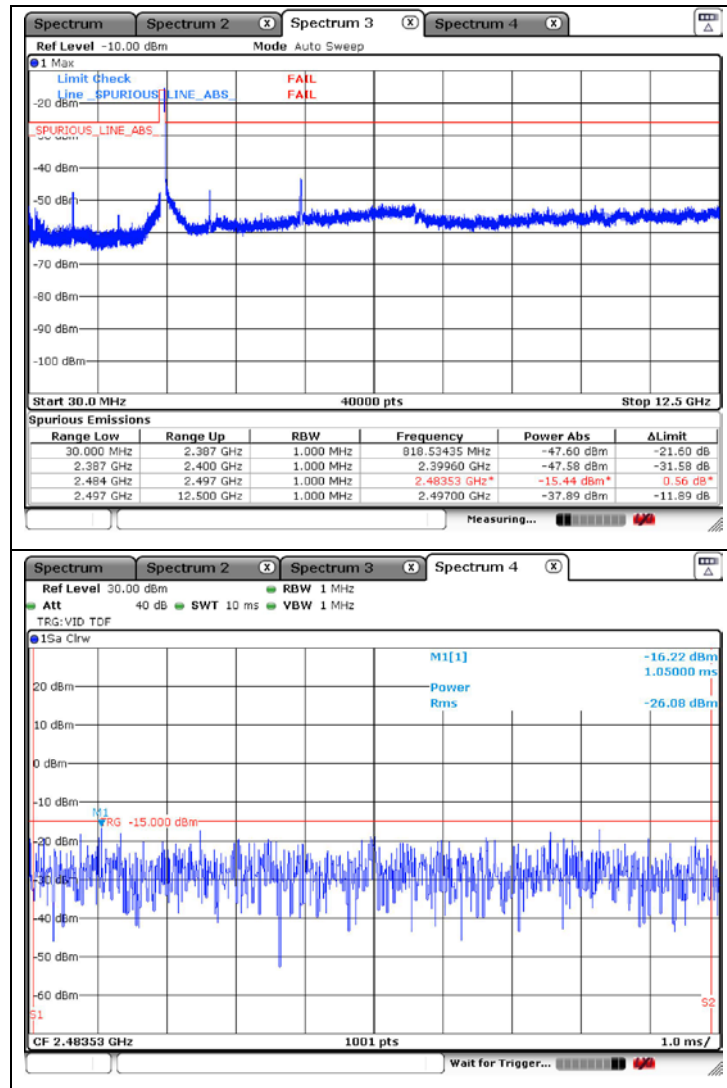
Low channel



Middle channel



High channel



5. Antenna Power

5.1. Test setup



5.2. Limit

The difference between measured output power and the rated output power (declared in the construction design document) shall be within a tolerance of +20 % to -80 %. In addition, the rated output power shall not be over the limits shown below.

Limit (rated output power, upper limit)

- IEEE802.11 b/g/n (HT20) 10 mW/MHz
- IEEE802.11 n (HT40) 5 mW/MHz

5.3. Test procedure

1. Connect transmitter output to the spectrum analyzer input port.
2. Antenna Power is measured by following setting:

–Search for peak power frequency

Center frequency:	IEEE802.11b/g/n (HT20)	2 412 MHz, 2 442 MHz, 2 472 MHz
	IEEE802.11n (HT40)	2 422 MHz, 2 442 MHz, 2 462 MHz
Span:	IEEE802.11b/g/n (HT20)	50 - 60 MHz
	IEEE802.11n (HT40)	80 MHz
RBW:		1 MHz
VBW:		3 MHz
Sweep time:		Auto
Sweep data points:		1 001 or greater
Detector mode:		Positive peak
Indication mode:		Max hold

–Measurement of average antenna power

Center frequency:	Frequency of peak power
Span:	0 Hz
RBW:	1 MHz
Detector mode:	Sample
Sweep:	Minimum time required to make an accurate measurement. For burst type (intermittent) transmission, sweep time shall be greater than one burst interval.
Sweep data points:	1 001 or greater

5.4. Test result

Ambient temperature : $(23 \pm 1) ^\circ\text{C}$
Relative humidity : 47 % R.H.

5.4.1. Test mode: 11b

Channel	Antenna gain (dB i)	Rated Output Power				E.I.R.P.		Average Burst Power		Power Tolerance (%)
Low Ch. (2 412 MHz)	3.00	8.00	mW/MHz	9.03	dB m/MHz	12.03	dB m	6.67	mW/MHz	-16.63
Mid Ch. (2 442 MHz)	3.00	8.00	mW/MHz	9.03	dB m/MHz	12.03	dB m	6.08	mW/MHz	-24.00
High Ch. (2 472 MHz)	3.00	8.00	mW/MHz	9.03	dB m/MHz	12.03	dB m	7.13	mW/MHz	-10.88

5.4.2. Test mode: 11g

Channel	Antenna gain (dB i)	Rated Output Power				E.I.R.P.		Average Burst Power		Power Tolerance (%)
Low Ch. (2 412 MHz)	3.00	5.00	mW/MHz	6.99	dB m/MHz	9.99	dB m	2.84	mW/MHz	-43.20
Mid Ch. (2 442 MHz)	3.00	5.00	mW/MHz	6.99	dB m/MHz	9.99	dB m	2.58	mW/MHz	-48.40
High Ch. (2 472 MHz)	3.00	5.00	mW/MHz	6.99	dB m/MHz	9.99	dB m	2.99	mW/MHz	-40.20

5.4.3. Test mode: 11n_HT20

Channel	Antenna gain (dB i)	Rated Output Power				E.I.R.P.		Average Burst Power		Power Tolerance (%)
Low Ch. (2 412 MHz)	3.00	4.00	mW/MHz	6.02	dB m/MHz	9.02	dB m	2.60	mW/MHz	-35.00
Mid Ch. (2 442 MHz)	3.00	4.00	mW/MHz	6.02	dB m/MHz	9.02	dB m	2.39	mW/MHz	-40.25
High Ch. (2 472 MHz)	3.00	4.00	mW/MHz	6.02	dB m/MHz	9.02	dB m	2.83	mW/MHz	-29.25

Note;

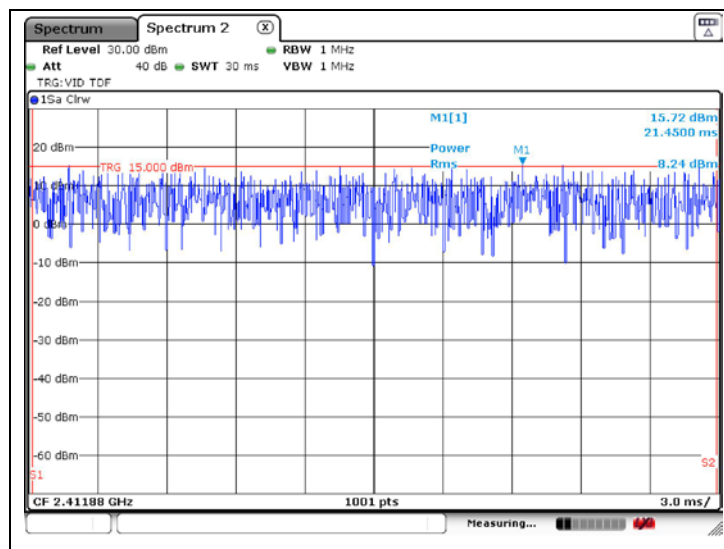
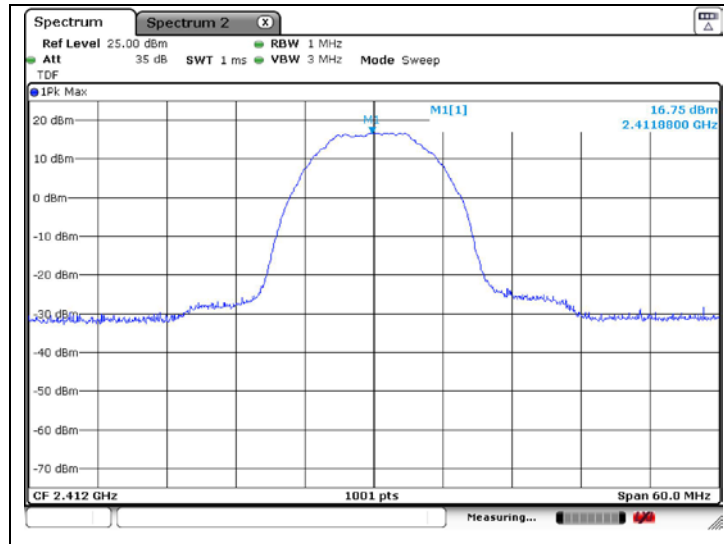
Antenna Power (mW/MHz) = Average Burst Power (mW/MHz)

Power Tolerance (%) = $\{[\text{Antenna Power (mW/MHz)} - \text{Rated Output Power (mW/MHz)}] \div \text{Rated Output Power (mW/MHz)}\} \times 100$

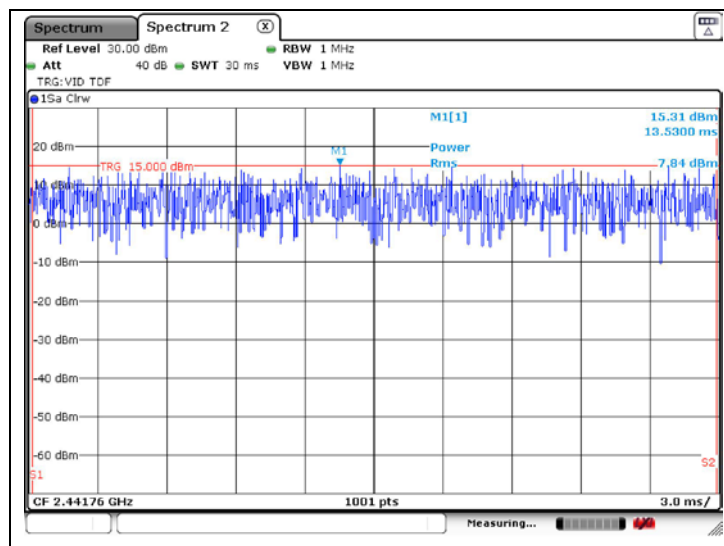
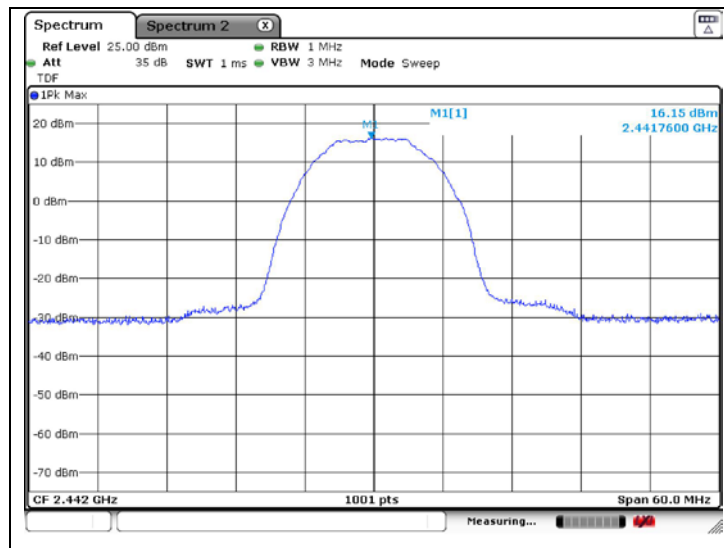
E.I.R.P (dB m): Antenna gain (dB i) + Rated Output Power (dB m/MHz)

Test mode: 11b

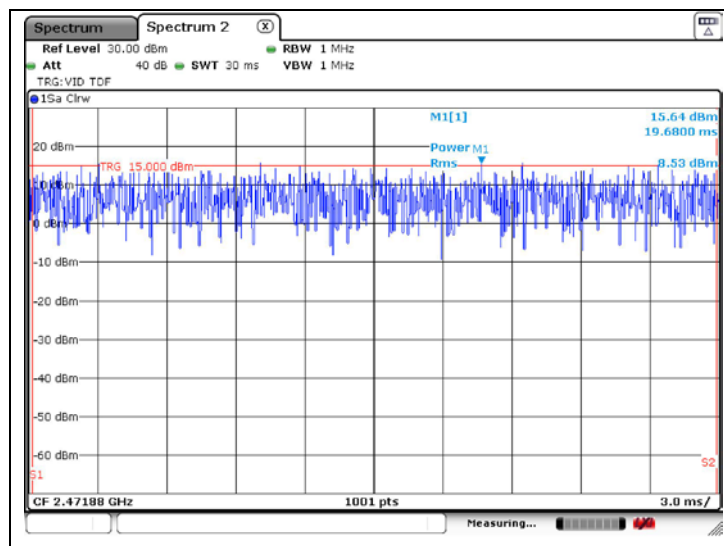
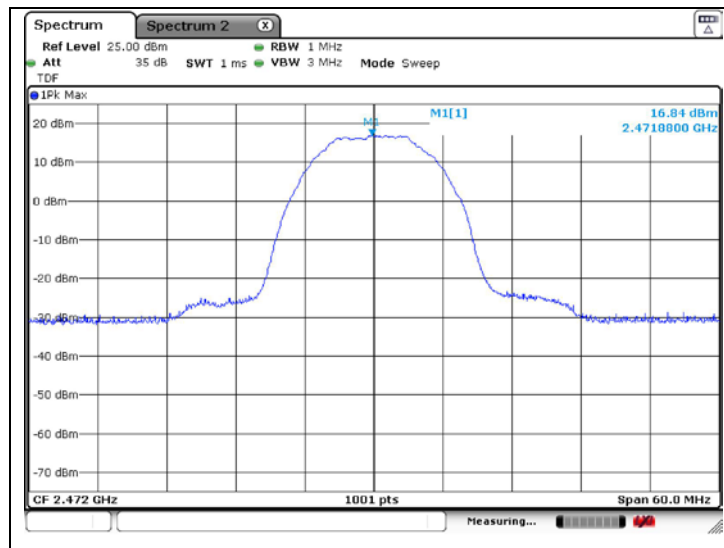
Low channel



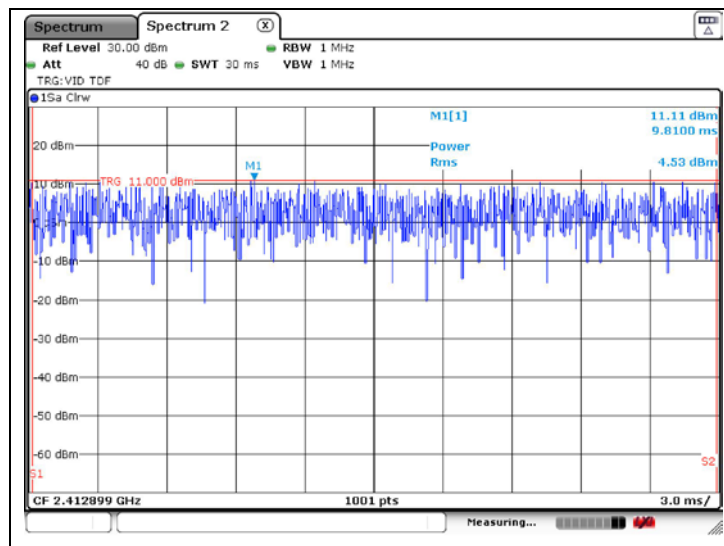
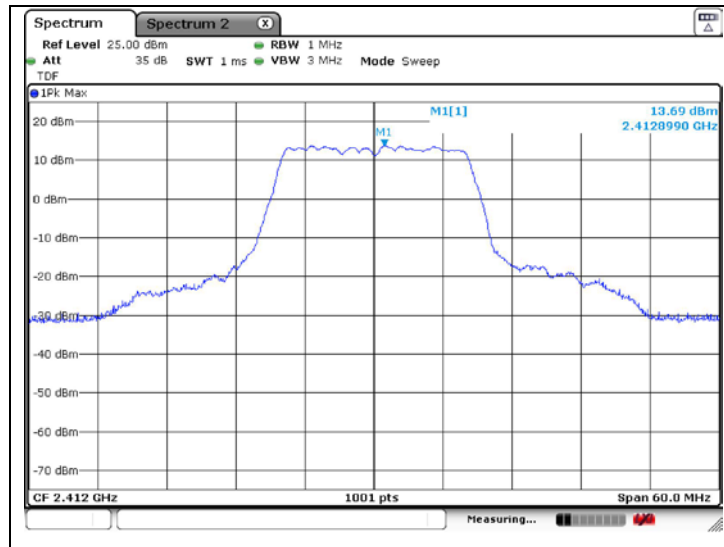
Middle channel



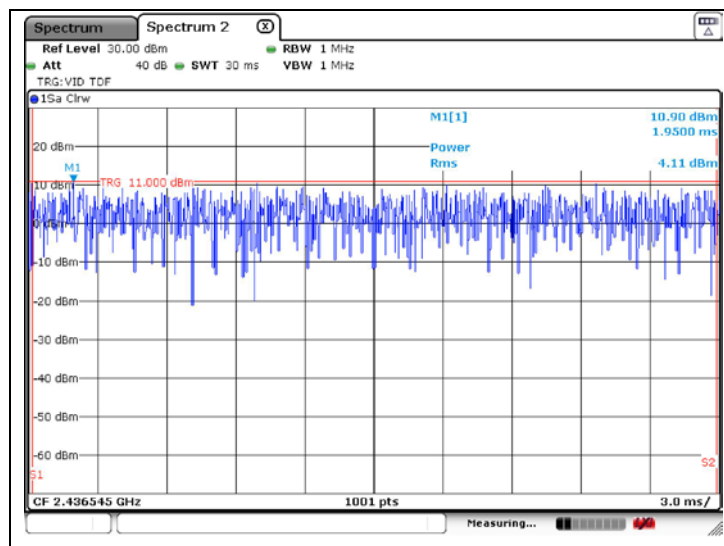
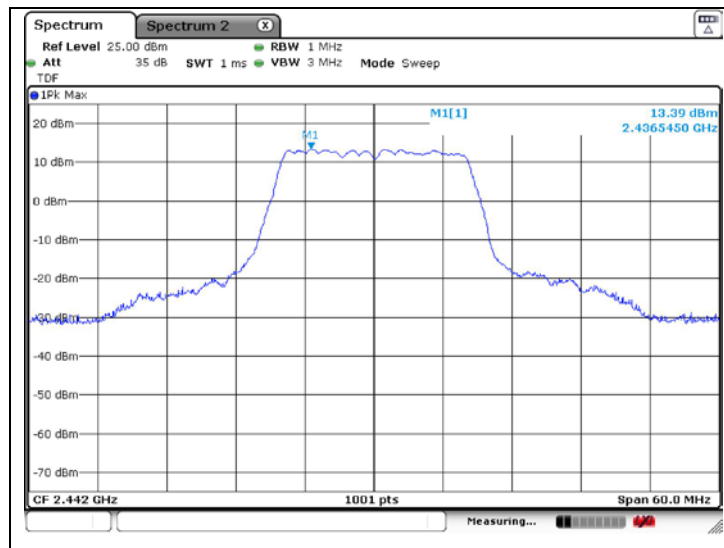
High channel



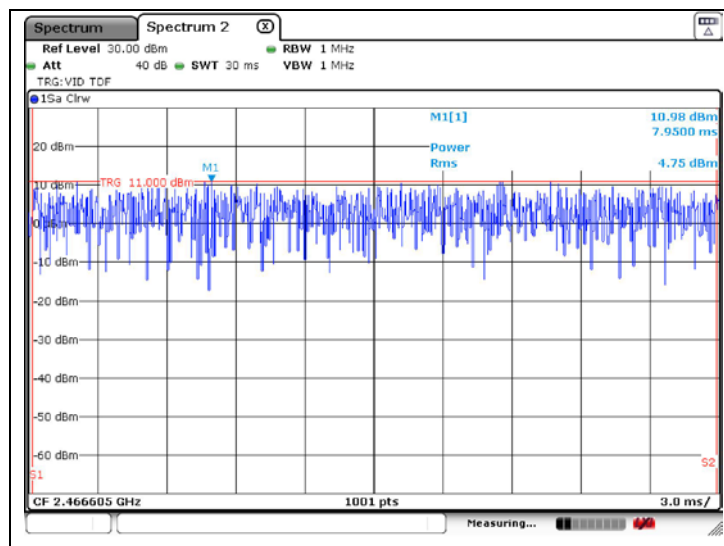
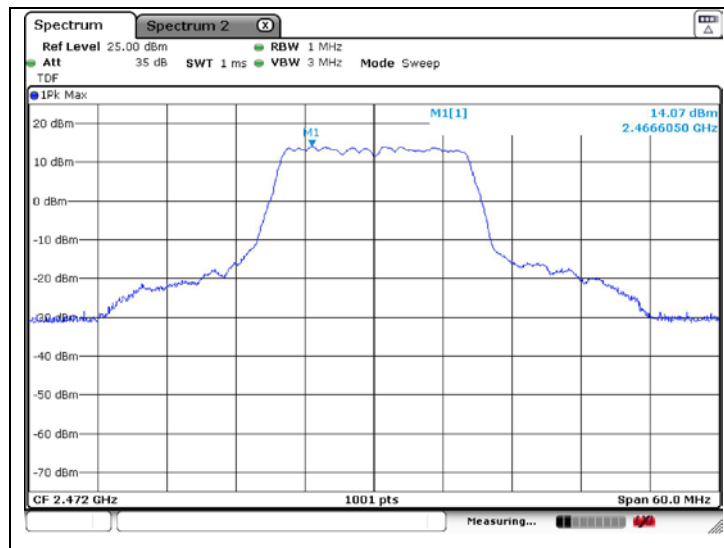
Test mode: 11g



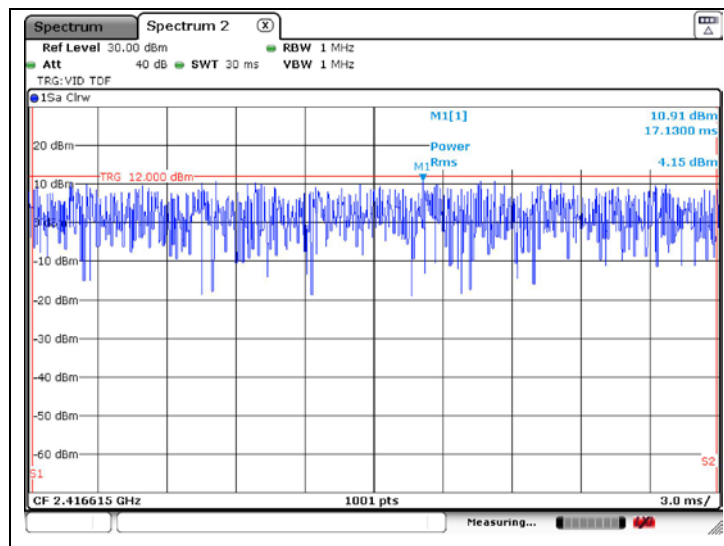
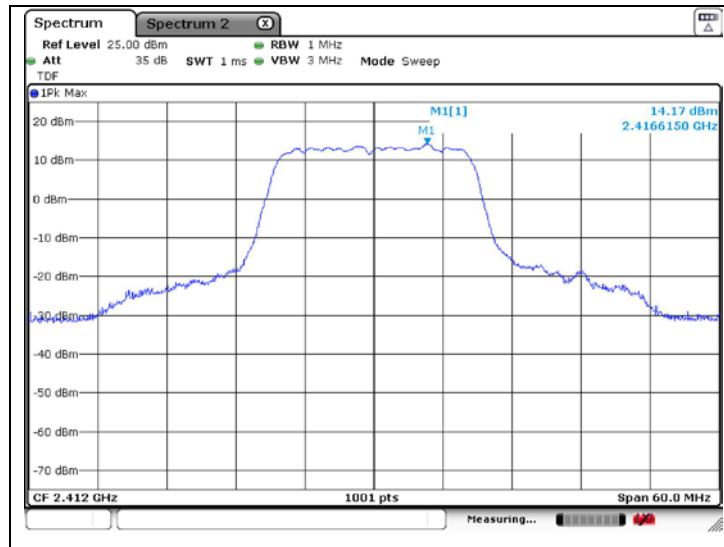
Middle channel



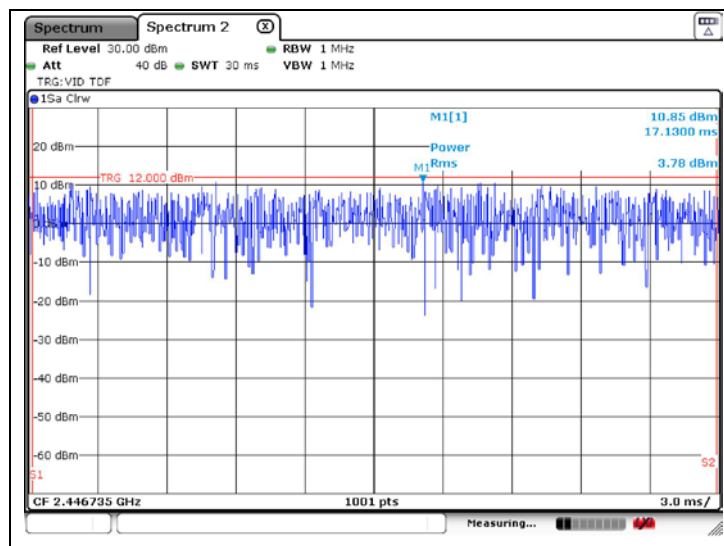
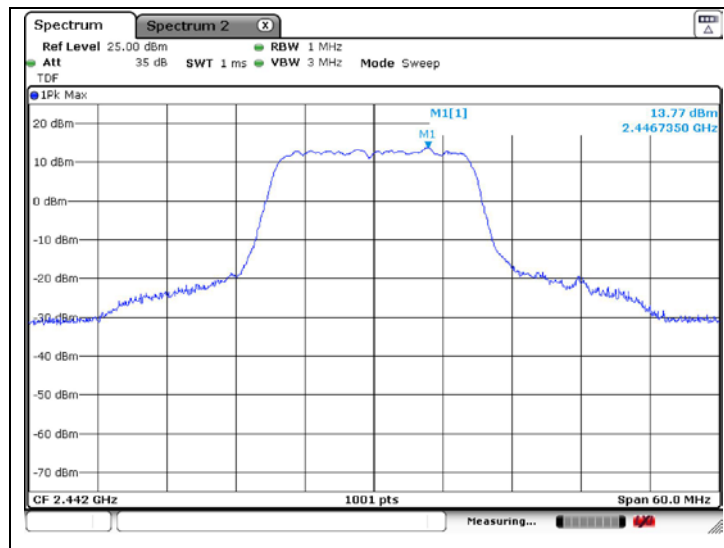
High channel



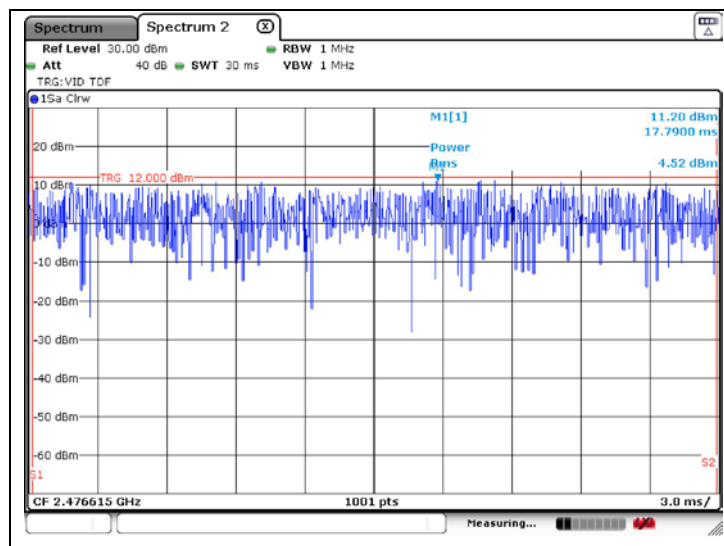
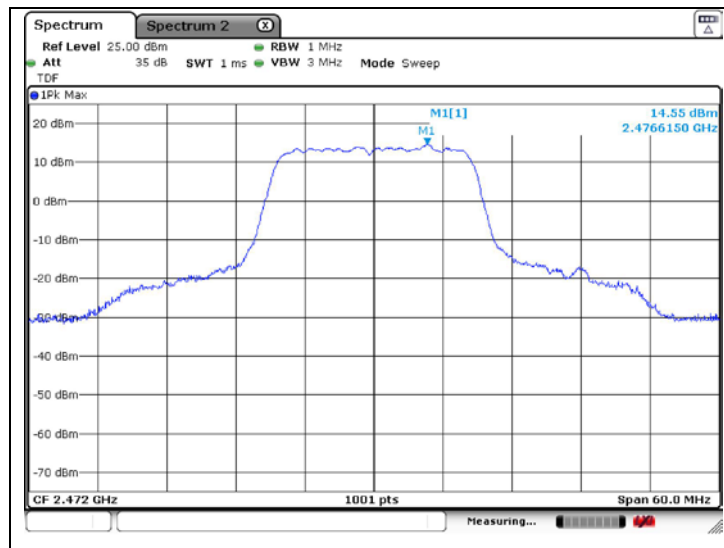
Test mode: 11n_HT20



Middle channel

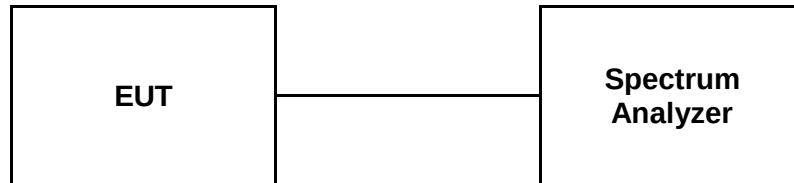


High channel



6. Secondary Radiated Emissions

6.1. Test Setup



6.2. Limit

Below 1 GHz: 4 nW (-54 dB m) or less
 Above 1 GHz: 20 nW (-47 dB m) or less

6.3. Test Procedure

1. Connect transmitter output to the spectrum analyzer input port.
2. The EUT should be receiver at low, middle and high channel.
3. Secondary Radiated Emissions is measured by following setting:

[Setting 1]

Frequency range:	30 MHz - 12.5 GHz
RBW:	Below 1 GHz: 100 kHz Above 1 GHz: 1 MHz
VBW:	Below 1 GHz: 100 kHz Above 1 GHz: 1 MHz
Sweep time:	Auto
Sweep data points:	1 001 or greater
Detector mode:	Positive peak
Indication mode:	Max hold

4. Search for spurious emissions in the range 30 MHz to 12.5 GHz.

6.4. Test result

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 % R.H.

6.4.1. Test mode: 11b

Frequency Range (MHz)	Measured	Low Ch. (2 412 MHz)	Mid Ch. (2 442 MHz)	High Ch. (2 472 MHz)	Limit
30 MHz to 1 000 MHz	Frequency (MHz)	882.62	882.80	882.86	-
	Level (dB m/100 kHz)	-80.72	-80.82	-82.49	-54
	Level (nW/100 kHz)	0.008	0.008	0.006	4
1 000 MHz to 12 500 MHz	Frequency (MHz)	3 216.38	3 256.27	3 296.15	-
	Level (dB m/MHz)	-60.24	-60.78	-60.98	-47
	Level (nW/MHz)	0.946	0.836	0.798	20

6.4.2. Test mode: 11g

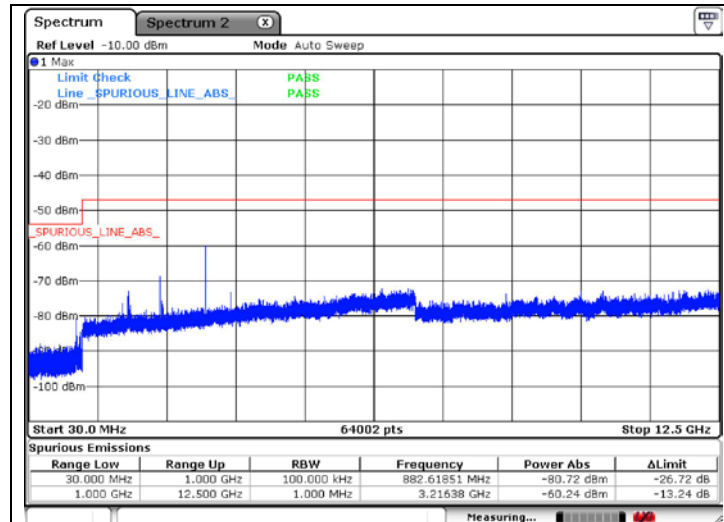
Frequency Range (MHz)	Measured	Low Ch. (2 412 MHz)	Mid Ch. (2 442 MHz)	High Ch. (2 472 MHz)	Limit
30 MHz to 1 000 MHz	Frequency (MHz)	892.17	951.49	881.32	-
	Level (dB m/100 kHz)	-83.53	-83.37	-82.77	-54
	Level (nW/100 kHz)	0.004	0.005	0.005	4
1 000 MHz to 12 500 MHz	Frequency (MHz)	3 216.02	3 256.27	3 296.15	-
	Level (dB m/MHz)	-60.26	-60.84	-61.14	-47
	Level (nW/MHz)	0.942	0.824	0.769	20

6.4.3. Test mode: 11n_HT20

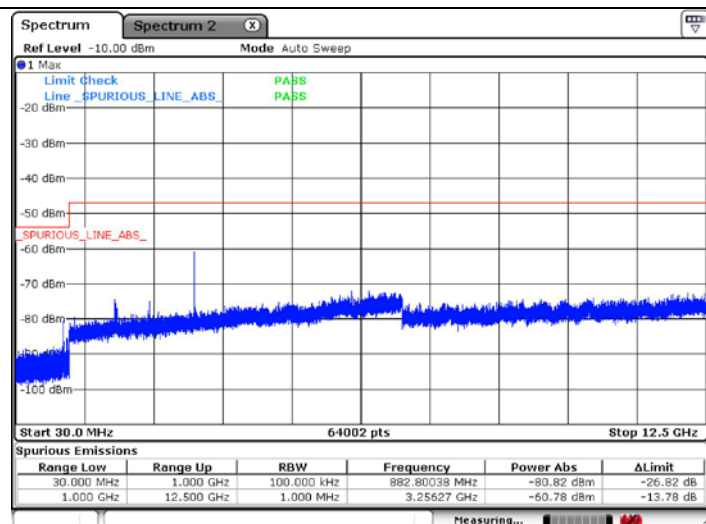
Frequency Range (MHz)	Measured	Low Ch. (2 412 MHz)	Mid Ch. (2 442 MHz)	High Ch. (2 472 MHz)	Limit
30 MHz to 1 000 MHz	Frequency (MHz)	883.01	893.14	958.03	-
	Level (dB m/100 kHz)	-84.34	-82.21	-84.06	-54
	Level (nW/100 kHz)	0.004	0.006	0.004	4
1 000 MHz to 12 500 MHz	Frequency (MHz)	3 216.38	3 256.27	3 296.15	-
	Level (dB m/MHz)	-60.46	-60.80	-60.93	-47
	Level (nW/MHz)	0.899	0.832	0.807	20

Test mode: 11b

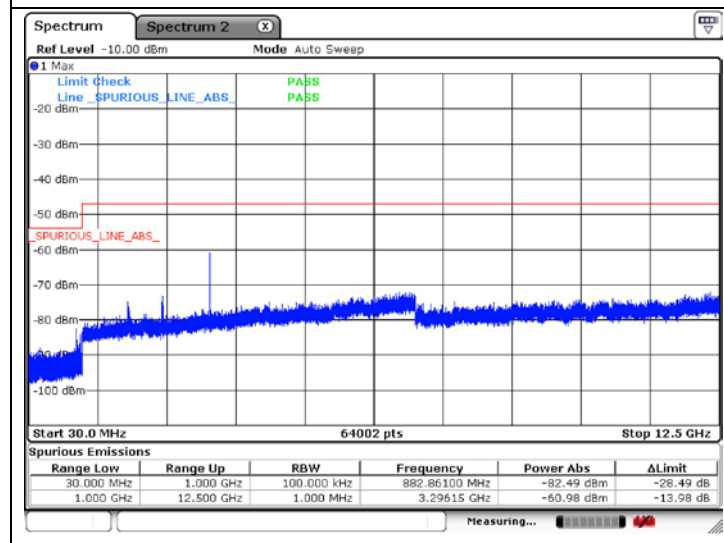
Low channel



Middle channel

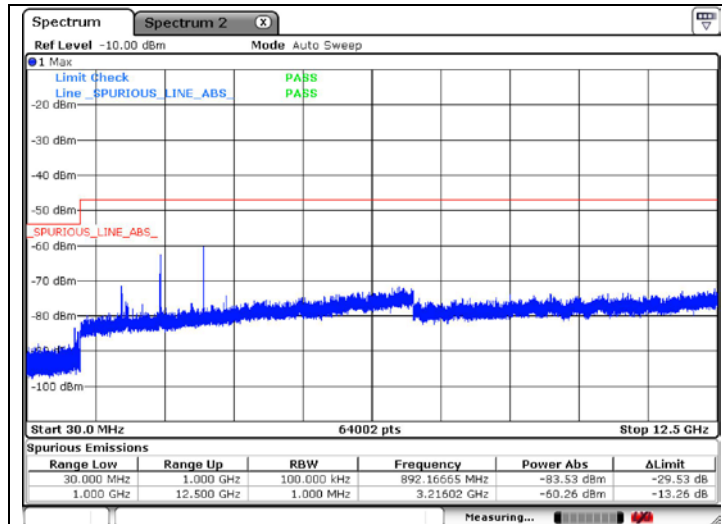


High channel

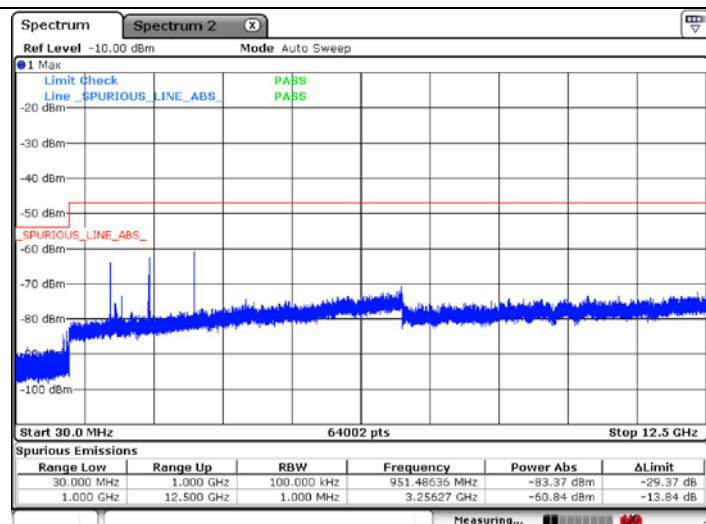


Test mode: 11g

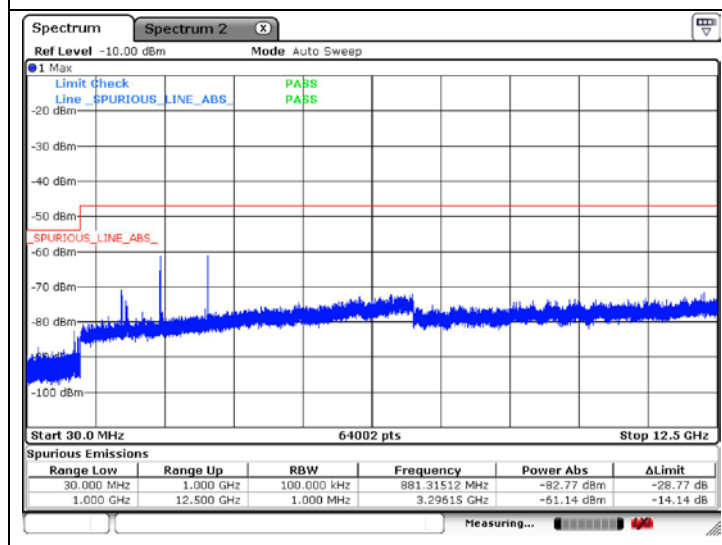
Low channel



Middle channel

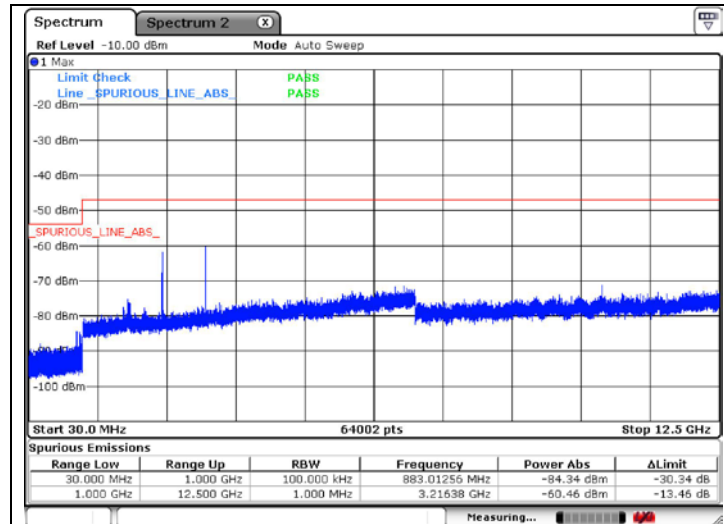


High channel

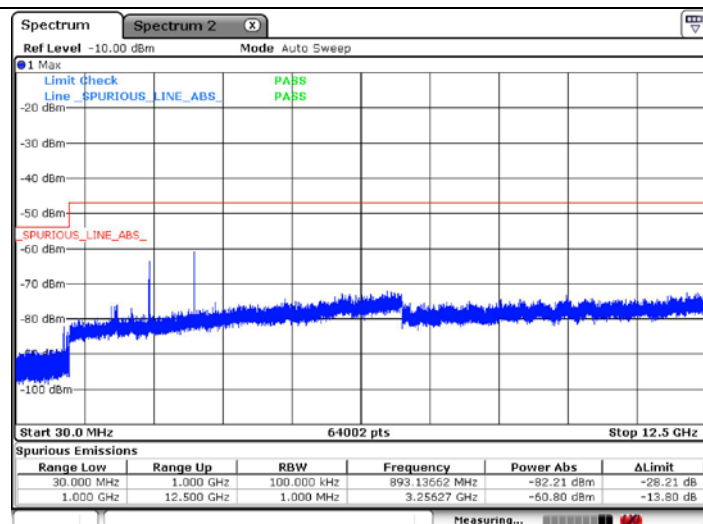


Test mode: 11n_HT20

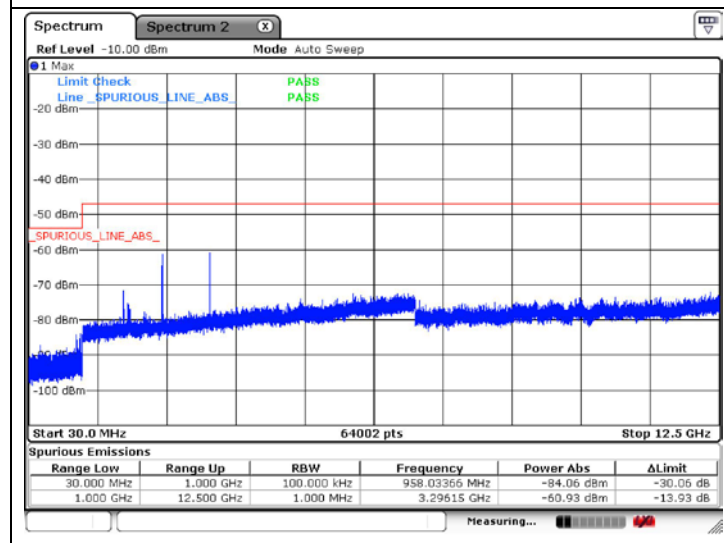
Low channel



Middle channel



High channel



7. Interference Prevention Function

7.1. Test Procedure

- (1) For EUTs capable of automatically transmitting identification data
 - a. Transmit identification data from EUT to Demodulator
 - b. Confirm identification data is correctly received by Demodulator
- (2) For EUTs capable of automatically receiving identification data
 - c. Transmit identification data from Link Partner to EUT
 - d. Confirm communication link is established
 - e. Link Partner shall respond by transmitting different identification data back to the EUT
 - f. Confirm EUT stops transmitting, or confirm EUT recognizes that the two identification data are different

If the applicant has documentary evidence to show that their EUT complies with the requirements of the Interference Prevent Function then the EUT can be exempt from this test.

7.2. Test result

EUT Details : f0d4.f72b.8703

The unit does meet the requirements. (Pass)

8. Test Methodology & Conditions

8.1. Test Condition

Ambient temperature : (23 ± 1) °C
Relative humidity : 47 % R.H.

Voltage Fluctuation Test	Normal Voltage	High voltage + 10 % of normal voltage	Low voltage - 10 % of normal voltage
EUT Input voltage (V _{a.c.})	100.0	110.0	90.0
RF Part Output voltage (V _{a.c.})	3.362	3.362	3.362

Voltage Fluctuation Test	Normal Voltage	High voltage + 10 % of normal voltage	Low voltage - 10 % of normal voltage
EUT Input voltage (V _{d.c.})	4.50	4.95	4.05
RF Part Output voltage (V _{d.c.})	3.364	3.364	3.365

Voltage Variation (%) = (Output high or Low Voltage - Output normal voltage) / Output normal voltage * 100
During the input supply voltage to the EUT from the external power source is varied by +/- 10 % if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1 %. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

- End of the Test Report -