FCC PART 15C
TEST REPORT
No. I15N01391-WLAN

for

Huawei Technologies Co.,Ltd

Smart Phone

Model Name: HUAWEI TAG-L03

With

Hardware Version: Ver.A

Software Version: TAG-L03C464B003_A

FCC ID: QISTAG-L03

Issued Date: Jan 7th, 2016

Test Laboratory:

FCC 2.948 Listed: No.342690

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

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REPORT HISTORY

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1. Test Laboratory

1.1. Testing Location

Location1: CTTL(South Branch)

Address: TCL International E city No. 1001 Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong, China 518000

1.2. Testing Environment

Normal Temperature:	15-35℃
Extreme Temperature:	-20/+55℃
Relative Humidity:	20-75%

1.3. Project data

Testing Start Date:	2015-10-28
Testing End Date:	2015-12-25

1.4. Signature

Xu Ye

(Prepared this test report)

Tang Weisheng

(Reviewed this test report)

Zhang Bojun

(Approvedthis test report)

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2. Client Information

2.1. Applicant Information

Company Name:	Huawei Technologies Co.,Ltd
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China
City:	Shenzhen
Postal Code:	/
Country:	China
Telephone:	0086-0755-28970299
Fax:	0086-0755-89650226

2.2. Manufacturer Information

Company Name:	Huawei Technologies Co.,Ltd
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China
City:	Shenzhen
Postal Code:	/
Country:	China
Telephone:	0086-0755-28970299
Fax:	0086-0755-89650226

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3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Smart Phone
Model Name	HUAWEI TAG-L03
Market Name	HUAWEI GR3
RF Protocol	IEEE 802.11b/g/n20MHz/n40MHz
Operating Frequency	2412MHz~2462MHz
FCC ID	QISTAG-L03

*Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT

EUT ID*	IMEI	HW Version	SW Version
EUT1	/	Ver.A	TAG-L03C464B003_A

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description	Type	SN
AE1	Charger	HW-050100U01_BYD	/
AE2	Charger	HW-050100U01_HUNTKEY	/
AE3	Charger	HW-050100U01_ Phitek	/
AE4	Charger	HW-050100E01_BYD	/
AE5	Charger	HW-050100E01_ HUNTKEY	/
AE6	Charger	HW-050100E01_ Phitek	/
AE7	Charger	HW-050100I01_BYD	/
AE8	Charger	HW-050100I01_ HUNTKEY	/
AE9	Charger	HW-050100R01_BYD	/
AE10	Charger	HW-050100B01_BYD	/
AE11	Charger	HW-050100A01_BYD	/
AE12	Charger	HW-050100R01_ HUNTKEY	/
AE13	Charger	HW-050100B01_ HUNTKEY	/
AE14	Charger	HW-050100A01_ HUNTKEY	/
AE15	Charger	HW-050100R01_ Phitek	/
AE16	Charger	HW-050100B01_ Phitek	/
AE17	Charger	HW-050100A01_ Phitek	/
AE18	Charger	HW-050100Z01_ HUNTKEY	/
AE19	Charger	HW-050100Z01_ Phitek	/
AE20	Charger	HW-050100Z01_BYD	/

*AE ID: is used to identify the test sample in the lab internally.

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4. Reference Documents

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902–928MHz, 2400–2483.5 MHz, and 5725–5850 MHz.	Oct, 2014
ANSI C63.10	American National Standard for Testing Unlicensed Wireless Devices	Jun,2013

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5. Test Results

5.1. Summary of Test Results

No	Test cases	Standard Sub-clause	Verdict
0	Antenna Requirement	15.203	**P**
1	Maximum Peak Output Power	15.247 (b)	**P**
2	Peak Power Spectral Density	15.247 (e)	**P**
3	Occupied 6dB Bandwidth	15.247 (a)	**P**
4	Band Edges Compliance	15.247 (d)	**P**
5	Transmitter Spurious Emission - Conducted	15.247 (d)	**P**
6	Transmitter Spurious Emission - Radiated	15.247, 15.205, 15.209	**P**
7	AC Powerline Conducted Emission	15.107, 15.207	**P**

See **ANNEX B and ANNEX C** for details.

5.2. Statements

CTTL has evaluated the test cases requested by the applicant/manufacturer as listed in section 5.1 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2

The hardware of HUAWEI TAG-L03 and HUAWEI TAG-L23 are the same.The tests of A5.2 base on the model HUAWEI ALE-L03,the other parts base on the model HUAWEI TAG-L23.

5.3. Terms used in the result table

Terms used in Verdict column

P	Pass
NA	Not Available
F	Fail

Abbreviations

AC	Alternating Current
AFH	Adaptive Frequency Hopping
BW	Band Width
E.I.R.P.	equivalent isotropical radiated power
ISM	Industrial, Scientific and Medical
R&TTE	Radio and Telecommunications Terminal Equipment
RF	Radio Frequency
Tx	Transmitter

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5.4. Laboratory Environment

Semi-anechoic chamber (23 meters×17 meters×10 meters) did not exceed following limits:

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4
Normalised site attenuation (NSA)	< ± 4 dB, 3m/10m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Shielded room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4

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6. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2016-04-21	1 year

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Chamber	FACT5-2.0	4166	ETS-Lindgren	2018-05-13	3 years
2	Test Receiver	ESCI	100701	Rohde & Schwarz	2016-08-10	1 year
3	BiLog Antenna	VULB9163	9163 329	Schwarzbeck	2017-01-20	3 years
4	Horn Antenna	3117	00066577	ETS-Lindgren	2016-04-01	3 years
5	Universal Radio Communication Tester	CMU200	114544	Rohde & Schwarz	2016-09-10	1 year
6	Universal Radio Communication Tester	CMW500	152499	Schwarzbeck	2016-07-23	1 year
7	Spectrum Analyser	FSP40	100378	Rohde & Schwarz	2016-12-18	1 year

Anechoic chamber

Fully anechoic chamber by ETS-Lindgren.

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7. Measurement Uncertainty

Test Name	Uncertainty	
1.Maximum Peak Output Power	±1.32dB	
2.Peak Power Spectral Density	±0.66dBm/MHz	
3.Occupied 6dB Bandwidth	±66Hz	
4.Band Edges Compliance	±66Hz	
5.Transmitter Spurious Emission - Conducted	30MHz≤f≤1GHz	±1.41dB
	1GHz≤f≤18GHz	±1.92dB
	18GHz≤f≤26GHz	±2.31dB
6.Transmitter Spurious Emission - Radiated	9k≤f≤30MHz	±4.00dB
	30M≤f≤1GHz	±5.08dB
	1GHz≤f≤18GHz	±4.56dB
	18GHz≤f≤26GHz	±4.56dB
7.AC Powerline Conducted Emission	±2.7dB	

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ANNEX A: MEASUREMENT RESULTS FOR RECEIVER

A.0 Antenna requirement

Measurement Limit:

Standard	Requirement
FCC CRF Part 15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, § 15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Conclusion: The Directional gains of antenna used for transmitting is -2.9 dBi.
The RF transmitter uses an integrate antenna without connector.

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A.1 Maximum Average Output Power

Measurement Limit:

Standard	Limit (dBm)
FCC CRF Part 15.247(b)(1)	< 30

Measurement Results:

802.11b/g mode

Mode	Data Rate (Mbps)	Test Result (dBm)					
		2412MHz (Ch1)		2437MHz (Ch6)		2462 MHz (Ch11)	
802.11b	1	Fig.1	15.68	Fig.2	16.27	Fig.3	16.61
	2	Fig.4	15.75	Fig.5	16.07	Fig.6	16.64
	5.5	Fig.7	15.80	Fig.8	16.36	Fig.9	16.69
	11	Fig.10	15.80	Fig.11	16.31	Fig.12	16.56
802.11g	6	Fig.13	15.50	Fig.14	16.18	Fig.15	16.11
	9	Fig.16	15.37	Fig.17	16.20	Fig.18	16.17
	12	Fig.19	15.73	Fig.20	16.39	Fig.21	16.52
	18	Fig.22	15.68	Fig.23	16.46	Fig.24	15.99
	24	Fig.25	15.48	Fig.26	15.78	Fig.27	15.56
	36	Fig.28	13.58	Fig.29	13.43	Fig.30	13.52
	48	Fig.31	12.05	Fig.32	13.01	Fig.33	13.21
	54	Fig.34	12.01	Fig.35	12.92	Fig.36	13.23

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802.11n mode

Mode	Data Rate (MCS Index)	Test Result (dBm)					
		2412MHz (Ch1)		2437MHz (Ch6)		2462 MHz (Ch11)	
802.11n (20MHz)	MCS0	Fig.37	12.01	Fig.38	12.46	Fig.39	12.21
	MCS1	Fig.40	11.93	Fig.41	12.68	Fig.42	12.16
	MCS2	Fig.43	12.29	Fig.44	12.86	Fig.45	12.65
	MCS3	Fig.46	11.82	Fig.47	12.18	Fig.48	12.08
	MCS4	Fig.49	9.81	Fig.50	9.94	Fig.51	9.72
	MCS5	Fig.52	8.57	Fig.53	8.95	Fig.54	8.66
	MCS6	Fig.55	9.06	Fig.56	8.91	Fig.57	9.05
	MCS7	Fig.58	9.22	Fig.59	9.27	Fig.60	8.86

Mode	Data Rate (MCS Index)	Test Result (dBm)					
		2422MHz (Ch3)		2437MHz (Ch6)		2452 MHz (Ch9)	
802.11n (40MHz)	MCS0	Fig.61	12.49	Fig.62	11.08	Fig.63	11.84
	MCS1	Fig.64	12.11	Fig.65	10.81	Fig.66	11.08
	MCS2	Fig.67	9.14	Fig.68	8.46	Fig.69	8.29
	MCS3	Fig.70	8.26	Fig.71	7.18	Fig.72	7.66
	MCS4	Fig.73	9.57	Fig.74	7.73	Fig.75	8.80
	MCS5	Fig.76	8.59	Fig.77	7.03	Fig.78	7.95
	MCS6	Fig.79	8.93	Fig.80	7.50	Fig.81	7.81
	MCS7	Fig.82	9.67	Fig.83	7.70	Fig.84	8.13

See ANNEX C for test graphs.

Conclusion: PASS

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A.2 Peak Power Spectral Density

Measurement Limit:

Standard	Limit
FCC CRF Part 15.247(d)	< 8 dBm/3 kHz

Measurement Results:

802.11b/g mode

Mode	Channel	Peak Power Spectral Density（dBm）		Conclusion
802.11b	1	Fig.85	-10.91	P
	6	Fig.86	-11.31	P
	11	Fig.87	-10.47	P
802.11g	1	Fig.88	-16.48	P
	6	Fig.89	-15.19	P
	11	Fig.90	-14.35	P

802.11n mode

Mode	Channel	Peak Power Spectral Density(dBm)		Conclusion
802.11n (20MHz)	1	Fig.91	-15.39	P
	6	Fig.92	-14.85	P
	11	Fig.93	-14.15	P
802.11n (40MHz)	3	Fig.94	-17.04	P
	6	Fig.95	-16.10	P
	9	Fig.96	-18.27	P

See ANNEX C for test graphs.

Conclusion: PASS

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A.3 Occupied 6dB Bandwidth

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a)	≥ 500

Measurement Result:

802.11b/g mode

Mode	Channel	Test Results (kHz)		conclusion
802.11b	1	Fig.97	9117	P
	6	Fig.98	9595	P
	11	Fig.99	7033	P
802.11g	1	Fig.100	9421	P
	6	Fig.101	16194	P
	11	Fig.102	6686	P

802.11n mode

Mode	Channel	Test Results (kHz)		conclusion
802.11n (20MHz)	1	Fig.103	7858	P
	6	Fig.104	17366	P
	11	Fig.105	5470	P
802.11n (40MHz)	3	Fig.106	15109	P
	6	Fig.107	34559	P
	9	Fig.108	5818	P

See ANNEX C for test graphs.

Conclusion: PASS

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A.4 Band Edges Compliance

Measurement Limit:

Standard	Limit (dBc)
FCC 47 CFR Part 15.247 (d)	> 20

Measurement Result:

802.11b/g mode

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.109	P
	11	Fig.110	P
802.11g	1	Fig.111	P
	11	Fig.112	P

802.11n mode

Mode	Channel	Test Results	Conclusion
802.11n (20MHz)	1	Fig.113	P
	11	Fig.114	P
802.11n (40MHz)	3	Fig.115	P
	9	Fig.116	P

See ANNEX C for test graphs.

Conclusion: PASS

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A.5 Transmitter Spurious Emission

A.5.1 Transmitter Spurious Emission - Conducted

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (d)	20dB below peak output power in 100 kHz bandwidth

Measurement Results:

802.11b/g mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.412 GHz	Fig.117	P
		30 MHz-3 GHz	Fig.118	P
		3GHz-18GHz	Fig.119	P
	6	2.437 GHz	Fig.120	P
		30 MHz-3 GHz	Fig.121	P
		3GHz-18GHz	Fig.122	P
	11	2.462 GHz	Fig.123	P
		30 MHz-3 GHz	Fig.124	P
		3GHz-18GHz	Fig.125	P
802.11g	1	2.412 GHz	Fig.126	P
		30 MHz-3 GHz	Fig.127	P
		3GHz-18GHz	Fig.128	P
	6	2.437 GHz	Fig.129	P
		30 MHz-3 GHz	Fig.130	P
		3GHz-18GHz	Fig.131	P
	11	2.462 GHz	Fig.132	P
		30 MHz-3 GHz	Fig.133	P
		3GHz-18GHz	Fig.134	P

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802.11n mode

802.11n (20MHz)	1	2.412 GHz	Fig.135	P
		30 MHz-3 GHz	Fig.136	P
		3GHz-18GHz	Fig.137	P
	6	2.437 GHz	Fig.138	P
		30 MHz-3 GHz	Fig.139	P
		3GHz-18GHz	Fig.140	P
	11	2.462 GHz	Fig.141	P
		30 MHz-3 GHz	Fig.142	P
		3GHz-18GHz	Fig.143	P
802.11n (40MHz)	3	2.422 GHz	Fig.144	P
		30 MHz-3 GHz	Fig.145	P
		3GHz-18GHz	Fig.146	P
	6	2.437 GHz	Fig.147	P
		30 MHz-3 GHz	Fig.148	P
		3GHz-18GHz	Fig.149	P
	9	2.452 GHz	Fig.150	P
		30 MHz-3 GHz	Fig.151	P
		3GHz-18GHz	Fig.152	P
/	All channels	18GHz-26GHz	Fig.153	P

See ANNEX C for test graphs.

Conclusion: PASS

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A.5.2 Transmitter Spurious Emission - Radiated

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

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

Limit in restricted band:

Frequency of emission (MHz)	Field strength(μV/m)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Condition

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz/300kHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

Note:

According to the performance evaluation, the radiated emission margin of EUT is over 20dB in the band below 30MHz. Therefore, the measurement starts from 30MHz to tenth harmonic.

The measurement results include the horizontal polarization and vertical polarization measurements.

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Measurement Results:

802.11b/g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	1 GHz ~ 18 GHz	Fig.154	P
	6	9 kHz ~30 MHz	Fig.155	P
		30 MHz ~1 GHz	Fig.156	P
		1 GHz ~ 18 GHz	Fig.157	P
		18 GHz~ 26.5 GHz	Fig.158	P
	11	1 GHz ~ 18 GHz	Fig.159	P
	Power(CH1)	2.38 GHz ~ 2.45 GHz	Fig.160	P
	Power(CH11)	2.45 GHz ~ 2.5 GHz	Fig.161	P
802.11g	1	1 GHz ~ 18 GHz	Fig.162	P
	6	30 MHz ~1 GHz	Fig.163	P
		1 GHz ~ 18 GHz	Fig.164	P
		18 GHz~ 26.5 GHz	Fig.165	P
	11	1 GHz ~ 18 GHz	Fig.166	P
	Power(CH1)	2.38 GHz ~ 2.45 GHz	Fig.167	P
	Power(CH11)	2.45 GHz ~ 2.5 GHz	Fig.168	P

802.11n mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (20MHz)	1	1 GHz ~ 18 GHz	Fig.169	P
	6	30 MHz ~1 GHz	Fig.170	P
		1 GHz ~ 18 GHz	Fig.171	P
		18 GHz~ 26.5 GHz	Fig.172	P
	11	1 GHz ~ 18 GHz	Fig.173	P
	Power(CH1)	2.38 GHz ~ 2.45 GHz	Fig.174	P
	Power(CH11)	2.45 GHz ~ 2.5 GHz	Fig.175	P

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (40MHz)	3	1 GHz ~ 18 GHz	Fig.176	P
	6	30 MHz ~1 GHz	Fig.177	P
		1 GHz ~ 18 GHz	Fig.178	P
		18 GHz~ 26.5 GHz	Fig.179	P
	9	1 GHz ~ 18 GHz	Fig.180	P
	Power(CH3)	2.38 GHz ~ 2.45 GHz	Fig.181	P
	Power(CH9)	2.45 GHz ~ 2.5 GHz	Fig.182	P

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802.11b CH1 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14486.000000	56.0	H	11.7	18.0	74.0
14987.000000	57.0	H	11.9	17.0	74.0
15666.000000	58.5	H	12.7	15.5	74.0
16260.000000	58.6	H	13.4	15.4	74.0
16781.000000	60.3	V	14.0	13.7	74.0
17422.000000	58.8	H	14.3	15.2	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14201.000000	43.9	V	11.3	10.1	54.0
15116.000000	44.9	V	12.1	9.1	54.0
15790.000000	46.7	V	13.0	7.3	54.0
16260.000000	46.4	V	13.4	7.6	54.0
16842.000000	47.0	V	14.0	7.0	54.0
17332.000000	46.5	V	14.2	7.5	54.0

802.11b CH 6(1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14517.000000	55.6	H	11.7	18.4	74.0
14850.000000	56.5	H	11.8	17.5	74.0
15686.000000	58.2	H	12.8	15.8	74.0
16172.000000	58.2	H	13.3	15.8	74.0
16896.000000	58.5	V	14.1	15.5	74.0
17833.000000	58.2	V	14.4	15.8	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14529.000000	43.6	V	11.7	10.4	54.0
15121.000000	44.7	V	12.1	9.3	54.0
15739.000000	46.5	H	12.9	7.5	54.0
16268.000000	46.1	V	13.4	7.9	54.0
16847.000000	46.5	V	14.0	7.5	54.0

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17417.000000	46.2	V	14.3	7.8	54.0

802.11b CH11 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14161.000000	55.1	V	11.2	18.9	74.0
15184.000000	56.6	V	12.1	17.4	74.0
15647.000000	57.9	H	12.7	16.1	74.0
16340.000000	57.3	H	13.5	16.7	74.0
16741.000000	58.4	H	14.0	15.6	74.0
17387.000000	57.8	H	14.3	16.2	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14150.000000	43.3	V	11.2	10.7	54.0
15126.000000	44.2	V	12.1	9.8	54.0
15790.000000	46.1	V	13.0	7.9	54.0
16265.000000	45.6	V	13.4	8.4	54.0
16773.000000	46.2	V	14.0	7.8	54.0
17417.000000	45.7	V	14.3	8.3	54.0

802.11g CH1 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14543.000000	58.6	H	11.8	15.4	74.0
15162.000000	58.9	V	12.1	15.1	74.0
15677.000000	60.7	V	12.8	13.3	74.0
16225.000000	60.8	H	13.3	13.2	74.0
16727.000000	62.1	H	13.9	11.9	74.0
17470.000000	62.4	H	14.3	11.6	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14544.000000	46.3	V	11.8	7.7	54.0
15177.000000	47.0	V	12.1	7.0	54.0
15674.000000	48.7	V	12.8	5.3	54.0

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16209.000000	49.2	V	13.3	4.8	54.0
16769.000000	50.0	V	14.0	4.0	54.0
17384.000000	49.3	V	14.3	4.7	54.0

802.11g CH6 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14498.000000	57.2	V	11.7	16.8	74.0
15179.000000	58.1	V	12.1	15.9	74.0
15770.000000	59.1	H	12.9	14.9	74.0
16273.000000	59.3	H	13.4	14.7	74.0
16595.000000	60.4	V	13.8	13.6	74.0
17415.000000	59.7	V	14.3	14.3	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14471.000000	45.1	V	11.6	8.9	54.0
15157.000000	46.0	V	12.1	8.0	54.0
15772.000000	47.7	V	12.9	6.3	54.0
16206.000000	47.8	V	13.3	6.2	54.0
16773.000000	48.0	V	14.0	6.0	54.0
17270.000000	48.0	V	14.1	6.0	54.0

802.11g CH11 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14545.000000	56.9	V	11.8	17.1	74.0
15131.000000	57.6	H	12.1	16.4	74.0
15780.000000	59.1	V	13.0	14.9	74.0
16261.000000	59.4	V	13.4	14.6	74.0
16738.000000	59.4	V	13.9	14.6	74.0
17453.000000	59.8	V	14.3	14.2	74.0

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Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14529.000000	45.0	V	11.7	9.0	54.0
15134.000000	45.8	V	12.1	8.2	54.0
15734.000000	47.3	V	12.9	6.7	54.0
16198.000000	47.5	V	13.3	6.5	54.0
16842.000000	47.9	V	14.0	6.1	54.0
17399.000000	47.7	V	14.3	6.3	54.0

802.11n-20MHz CH1 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14179.000000	54.6	H	11.3	19.4	74.0
15150.000000	56.5	H	12.1	17.5	74.0
15780.000000	58.8	V	13.0	15.2	74.0
16214.000000	56.7	H	13.3	17.3	74.0
16754.000000	57.6	V	14.0	16.4	74.0
17327.000000	57.9	V	14.2	16.1	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14165.000000	42.6	V	11.2	11.4	54.0
15155.000000	43.6	V	12.1	10.4	54.0
15745.000000	45.3	V	12.9	8.7	54.0
16227.000000	44.7	V	13.3	9.3	54.0
16814.000000	45.4	V	14.0	8.6	54.0
17350.000000	44.9	V	14.2	9.1	54.0

802.11n-20MHz CH6 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14474.000000	55.7	V	11.6	18.3	74.0
15176.000000	56.5	H	12.1	17.5	74.0
15775.000000	58.3	V	12.9	15.7	74.0
16211.000000	58.2	V	13.3	15.8	74.0
16762.000000	58.9	V	14.0	15.1	74.0

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17325.000000	57.9	H	14.2	16.1	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14484.000000	43.7	H	11.7	10.3	54.0
15131.000000	44.7	V	12.1	9.3	54.0
15775.000000	46.2	H	12.9	7.8	54.0
16285.000000	45.9	V	13.4	8.1	54.0
16788.000000	46.3	V	14.0	7.7	54.0
17341.000000	46.0	V	14.2	8.0	54.0

802.11n-20MHz CH11 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14301.000000	55.6	V	11.4	18.4	74.0
15102.000000	56.2	V	12.0	17.8	74.0
15784.000000	57.5	H	13.0	16.5	74.0
16187.000000	57.8	V	13.3	16.2	74.0
16828.000000	58.6	H	14.0	15.4	74.0
17429.000000	58.0	V	14.3	16.0	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14471.000000	43.3	H	11.6	10.7	54.0
15128.000000	44.3	H	12.1	9.7	54.0
15777.000000	45.8	H	12.9	8.2	54.0
16231.000000	45.7	V	13.3	8.3	54.0
16790.000000	46.0	V	14.0	8.0	54.0
17408.000000	45.7	V	14.3	8.3	54.0

802.11n-40MHz CH3 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14165.000000	55.9	H	11.2	18.1	74.0
15086.000000	56.7	V	12.0	17.3	74.0
15252.000000	58.4	H	12.2	15.6	74.0

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16375.000000	58.1	H	13.6	15.9	74.0
16714.000000	59.4	H	13.9	14.6	74.0
17367.000000	59.1	V	14.3	14.9	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14458.000000	43.7	V	11.6	10.3	54.0
15128.000000	44.8	V	12.1	9.2	54.0
15772.000000	46.3	V	12.9	7.7	54.0
16218.000000	46.1	H	13.3	7.9	54.0
16756.000000	46.5	H	14.0	7.5	54.0
17382.000000	46.5	V	14.3	7.5	54.0

802.11n-40MHz CH6 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14527.000000	55.7	H	11.7	18.3	74.0
15123.000000	56.7	H	12.1	17.3	74.0
15724.000000	58.1	H	12.9	15.9	74.0
16367.000000	58.6	V	13.6	15.4	74.0
16854.000000	58.7	V	14.0	15.3	74.0
17826.000000	58.1	V	14.4	15.9	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14492.000000	43.6	H	11.7	10.4	54.0
15149.000000	44.5	H	12.1	9.5	54.0
15775.000000	46.3	V	12.9	7.7	54.0
16208.000000	45.9	V	13.3	8.1	54.0
16844.000000	46.3	H	14.0	7.7	54.0
17408.000000	46.3	V	14.3	7.7	54.0

802.11n-40MHz CH9 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14181.000000	56.2	V	11.3	17.8	74.0

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15131.000000	56.7	V	12.1	17.3	74.0
15777.000000	57.5	V	12.9	16.5	74.0
16220.000000	58.4	V	13.3	15.6	74.0
16798.000000	59.0	H	14.0	15.0	74.0
17434.000000	58.3	V	14.3	15.7	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14461.000000	43.4	V	11.6	10.6	54.0
15128.000000	44.5	V	12.1	9.5	54.0
15772.000000	46.1	V	12.9	7.9	54.0
16249.000000	45.8	V	13.3	8.2	54.0
16829.000000	46.4	H	14.0	7.6	54.0
17395.000000	46.1	V	14.3	7.9	54.0

See ANNEX C for test graphs.

Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result=P_{Mea}+$A_{Rpl=}$ P_{Mea}+Cable Loss+Antenna Factor

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A.6 AC Powerline Conducted Emission

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement Result and limit:

WLAN (Quasi-peak Limit)-AE1

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.66 to 56	Fig.183	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE1

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.183	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE2

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.67 to 56	Fig.184	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE2

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.184	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

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WLAN (Quasi-peak Limit)-AE3

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.68 to 56	Fig.185	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE3

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.185	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE4

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.69 to 56	Fig.186	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE4

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.186	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE5

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.70 to 56	Fig.187	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

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WLAN (Average Limit)-AE5

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.187	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE6

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.71 to 56	Fig.188	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE6

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.188	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE7

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.72 to 56	Fig.189	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE7

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.189	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

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WLAN (Quasi-peak Limit)-AE8

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.73 to 56	Fig.190	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE8

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.190	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE1-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	Fig.74 to 56	Fig.191	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE1-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	56 to 46	Fig.191	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE2-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	Fig.75 to 56	Fig.192	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

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WLAN (Average Limit)-AE2-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	56 to 46	Fig.192	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE3-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	Fig.76 to 56	Fig.193	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE3-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	56 to 46	Fig.193	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE4-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	Fig.77 to 56	Fig.194	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE4-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Idle	Conclusion
0.15 to 0.5	56 to 46	Fig.194	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

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WLAN (Quasi-peak Limit)-AE5-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	Fig.78 to 56	Fig.195	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE5-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	56 to 46	Fig.195	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE6-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	Fig.79 to 56	Fig.196	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE6-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	56 to 46	Fig.196	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE7-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	Fig.80 to 56	Fig.197	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

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WLAN (Average Limit)-AE7-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	56 to 46	Fig.197	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Quasi-peak Limit)-AE8-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	Fig.81 to 56	Fig.198	P
0.5 to 5	56		
5 to 30	60		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

WLAN (Average Limit)-AE8-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)	Conclusion
		Idle	
0.15 to 0.5	56 to 46	Fig.198	P
0.5 to 5	46		
5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

See ANNEX C for test graphs.

Conclusion: PASS

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ANNEX B: TEST LAYOUTS

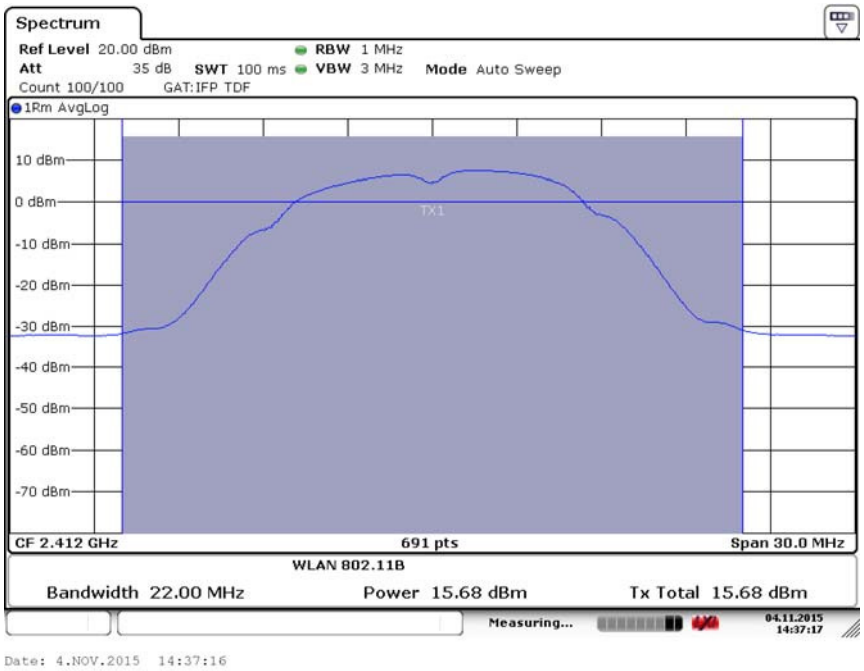

Fig.1 Maximum Average Output Power (802.11b, Ch 1,1Mbps)

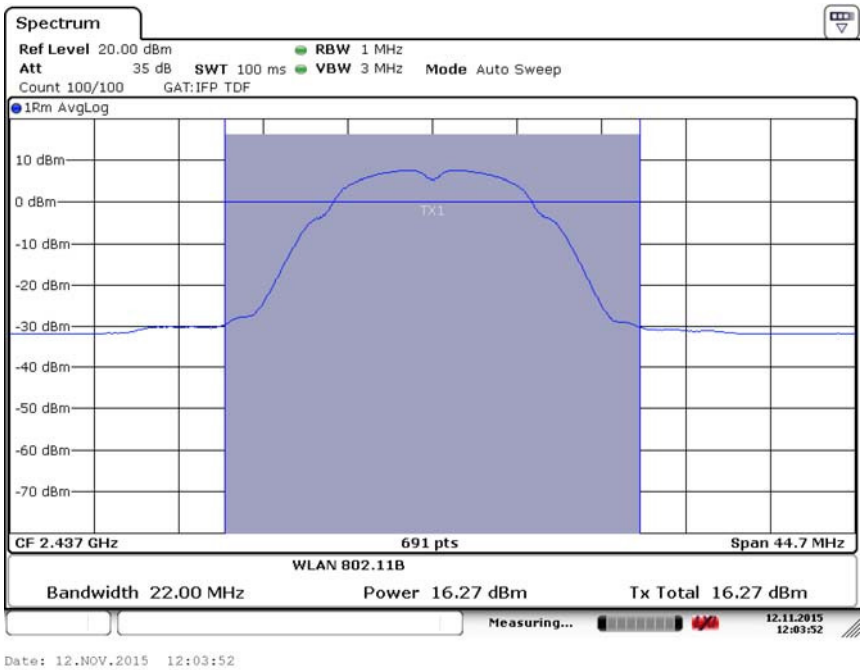

Fig.2 Maximum Average Output Power (802.11b, Ch 6,1Mbps)

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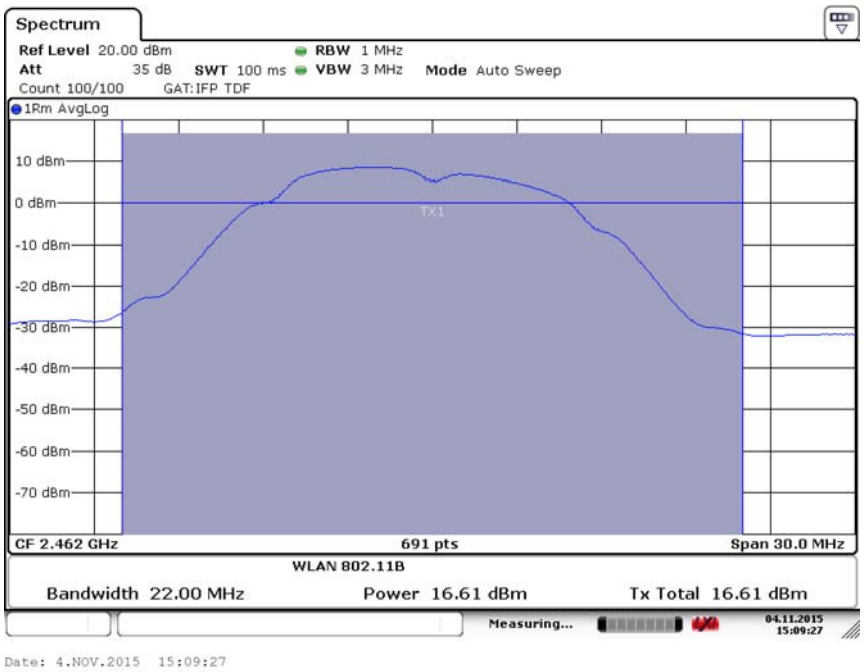

Fig.3 Maximum Average Output Power (802.11b, Ch 11,1Mbps)

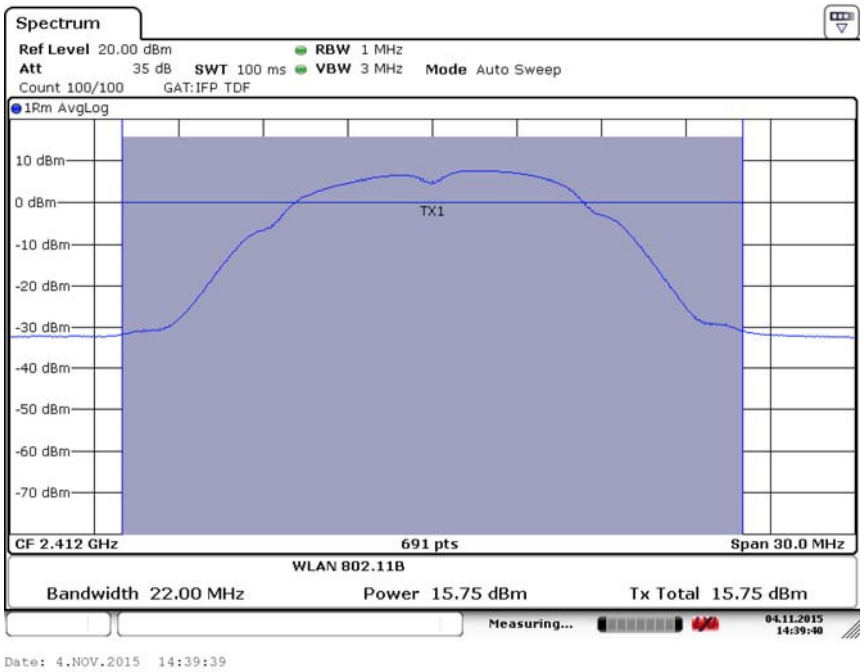

Fig.4 Maximum Average Output Power (802.11b, Ch 1,2Mbps)

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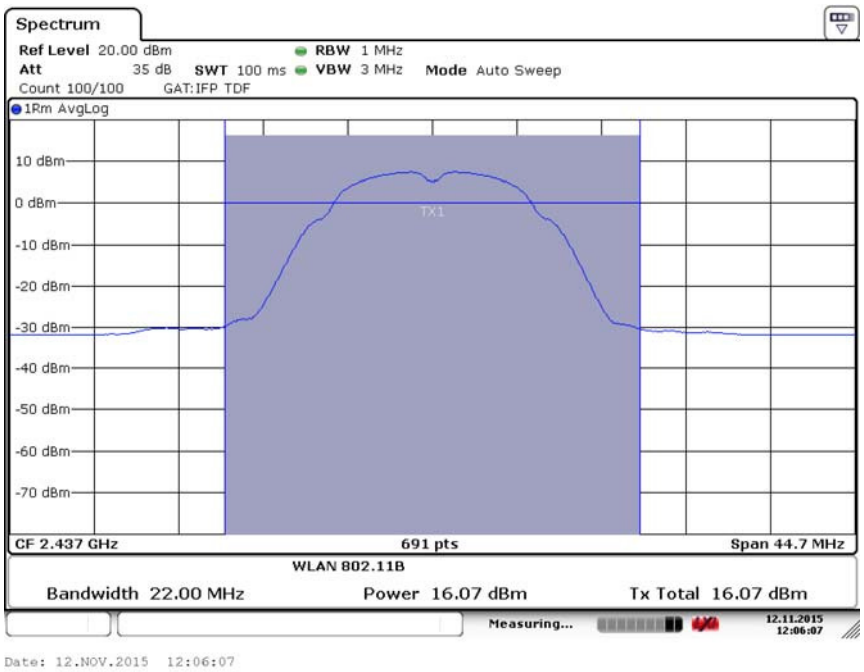

Fig.5 Maximum Average Output Power (802.11b, Ch 6,2Mbps)

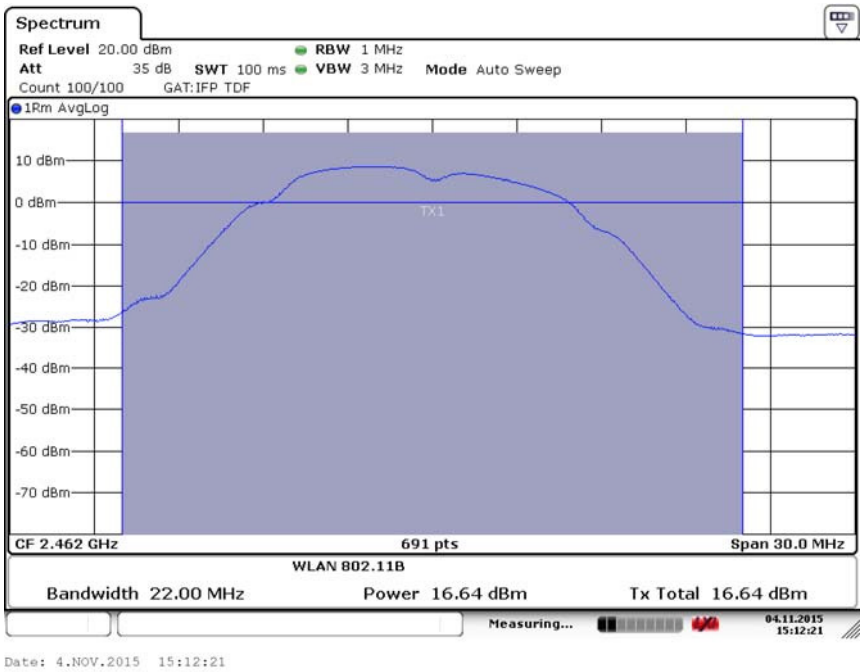

Fig.6 Maximum Average Output Power (802.11b, Ch 11,2Mbps)

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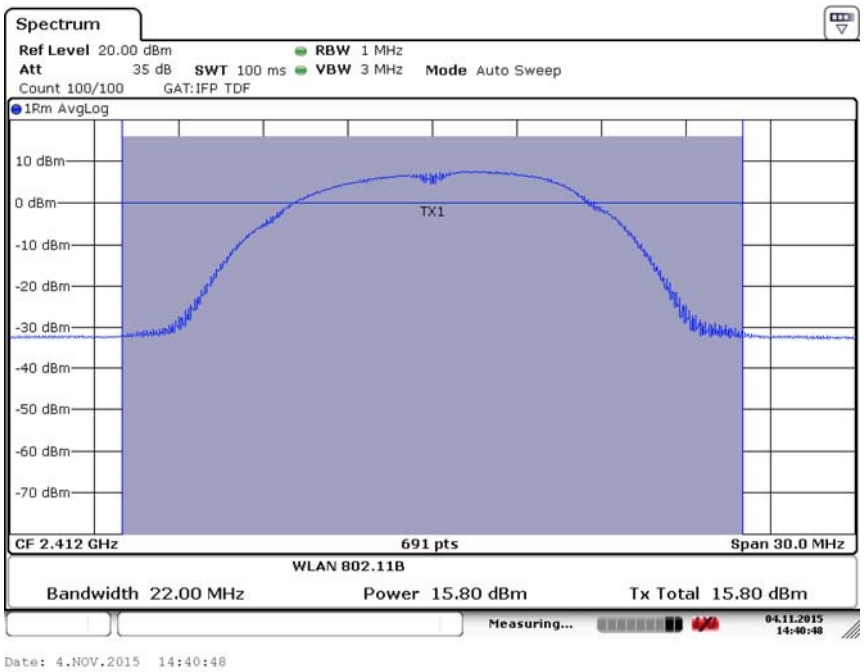

Fig.7 Maximum Average Output Power (802.11b, Ch 1,5.5Mbps)

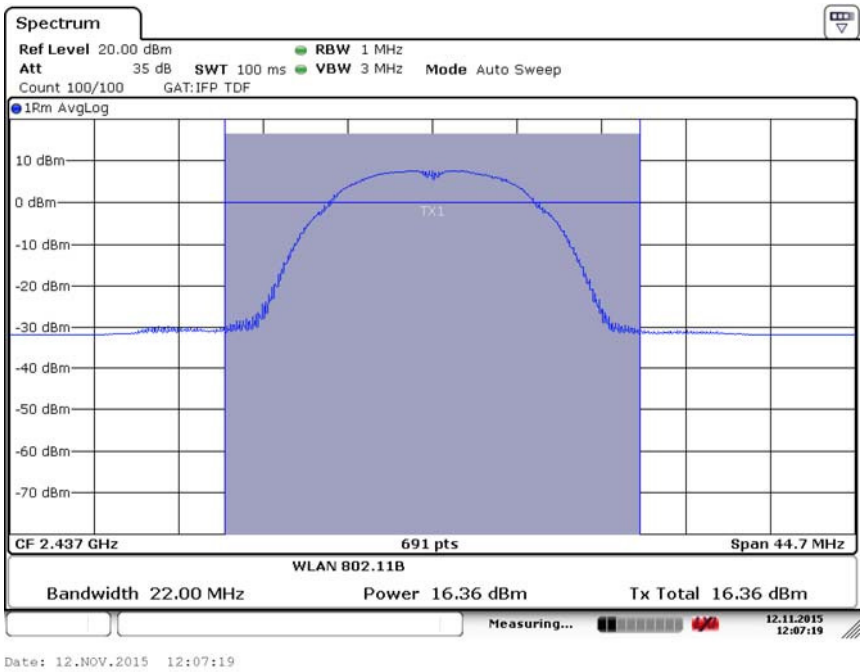

Fig.8 Maximum Average Output Power (802.11b, Ch 6,5.5Mbps)

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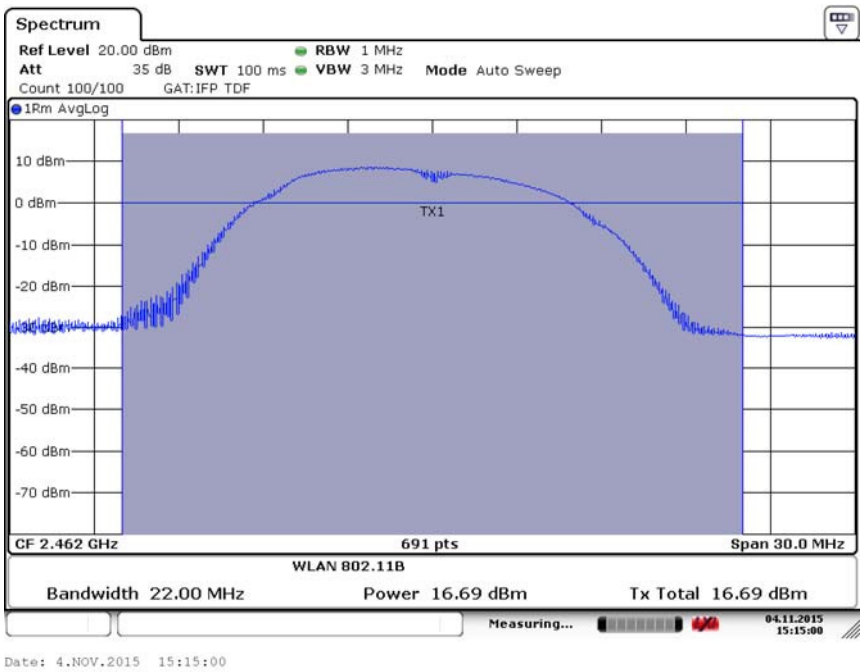

Fig.9 Maximum Average Output Power (802.11b, Ch 11,5.5Mbps)

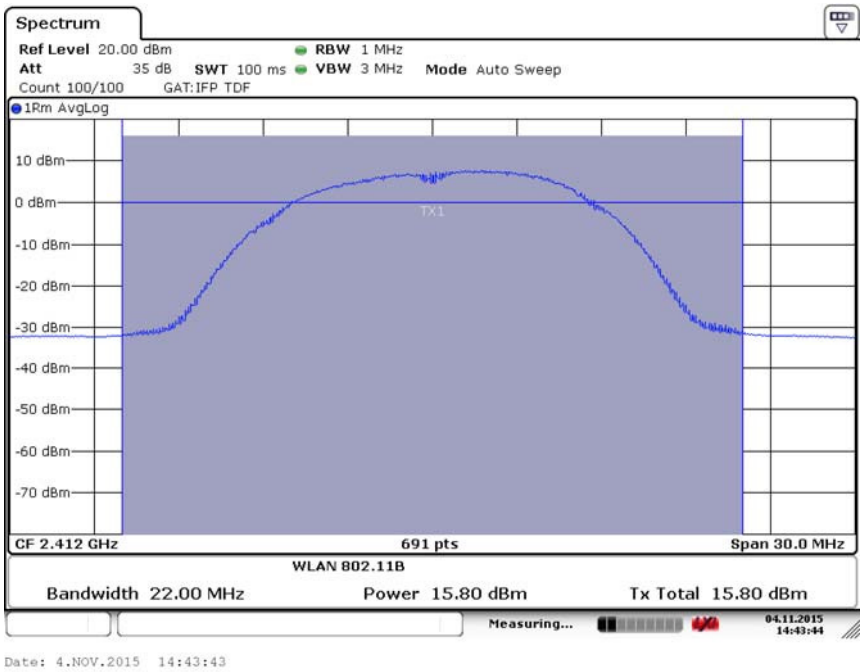

Fig.10 Maximum Average Output Power (802.11b, Ch 1,11Mbps)

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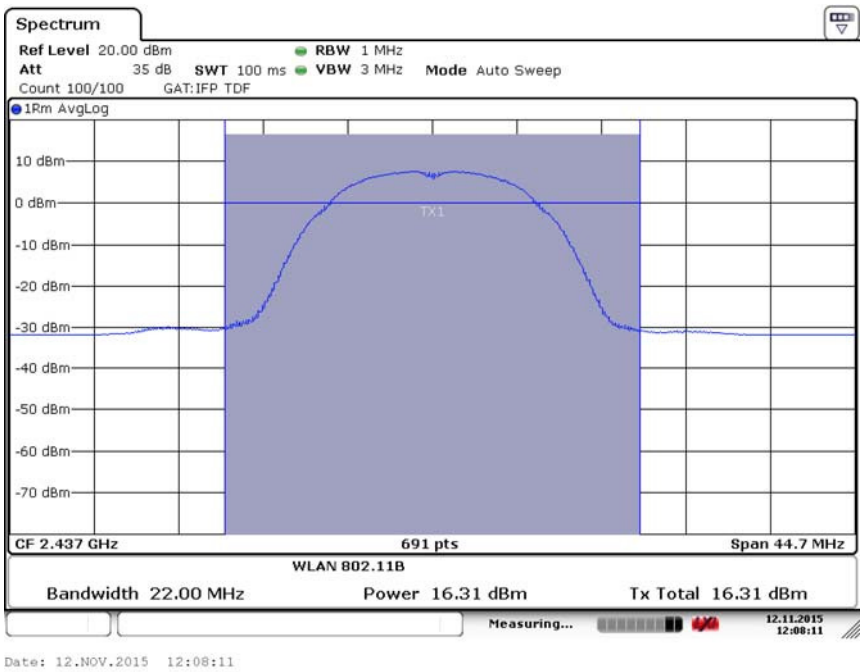

Fig.11 Maximum Average Output Power (802.11b, Ch 6,11Mbps)

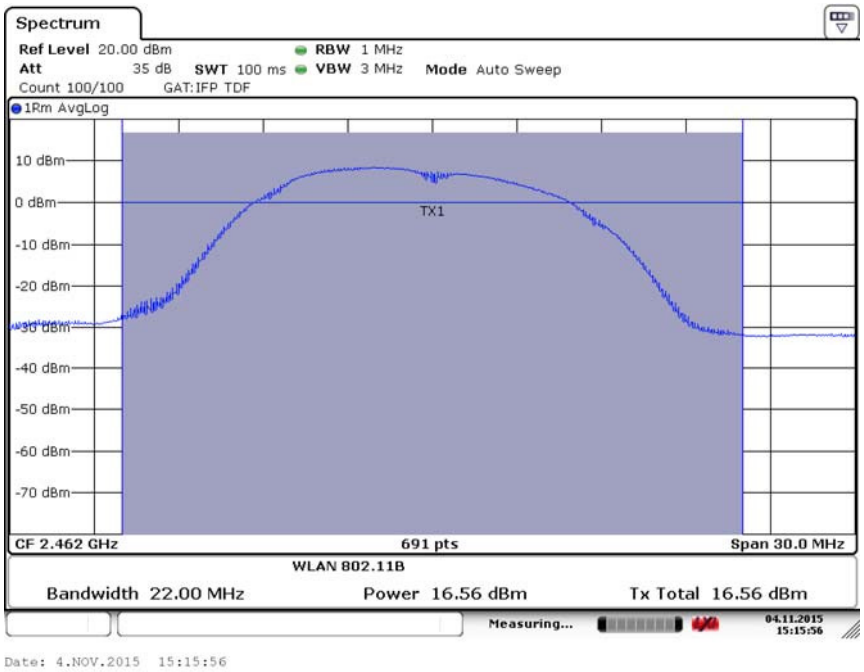

Fig.12 Maximum Average Output Power (802.11b, Ch 11,11Mbps)

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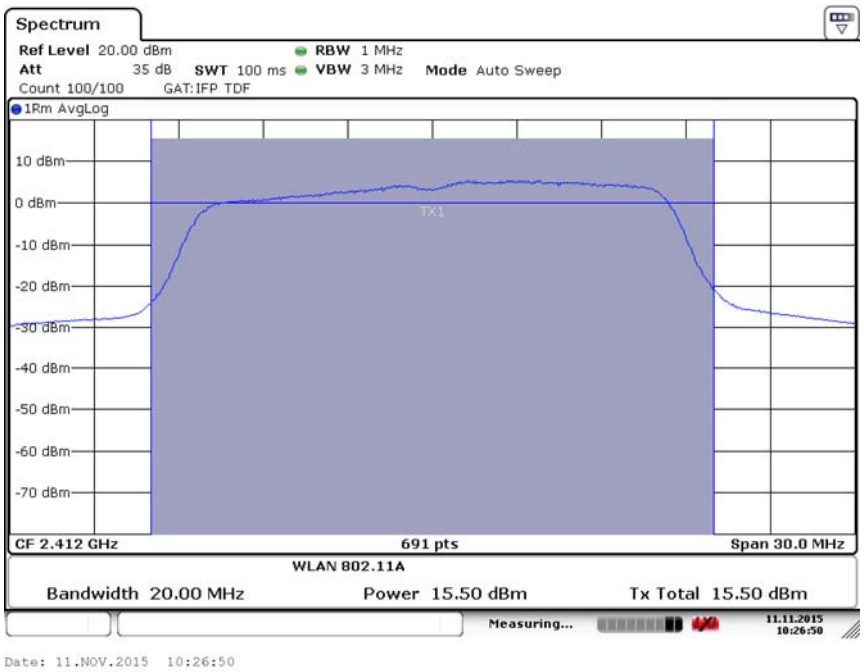

Fig.13 Maximum Average Output Power (802.11g, Ch 1,6Mbps)

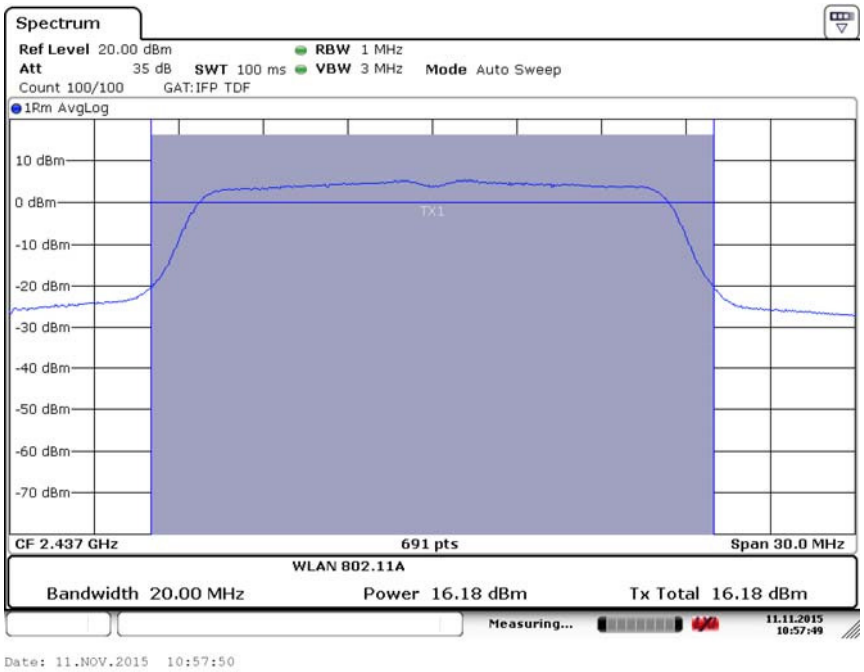

Fig.14 Maximum Average Output Power (802.11g, Ch 6,6Mbps)

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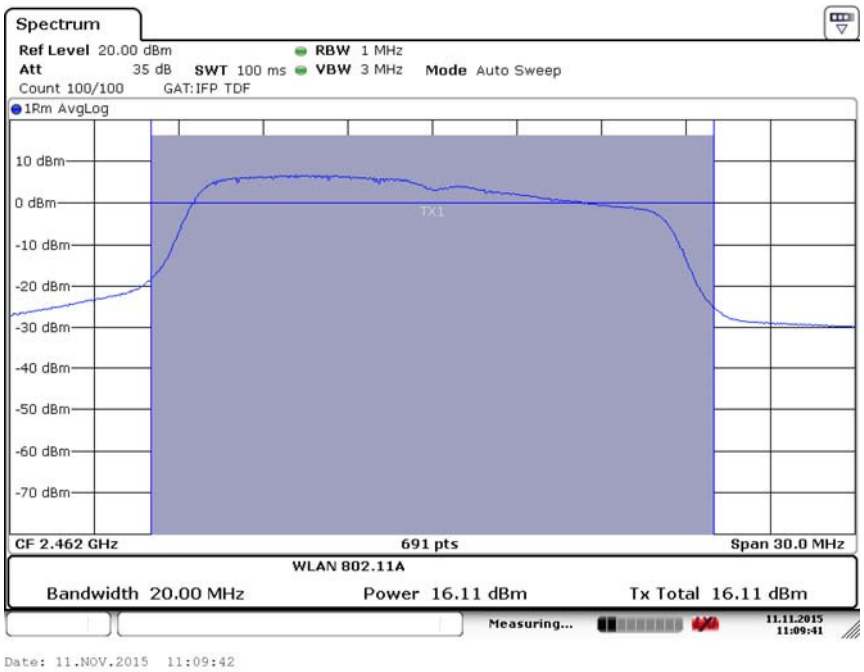

Fig.15 Maximum Average Output Power (802.11g, Ch 11,6Mbps)

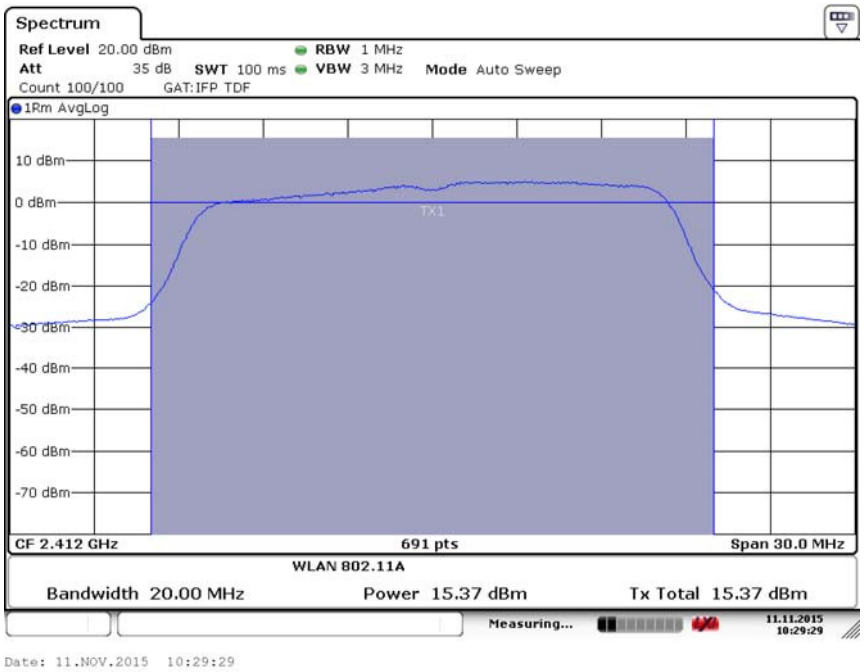

Fig.16 Maximum Average Output Power (802.11g, Ch 1,9Mbps)

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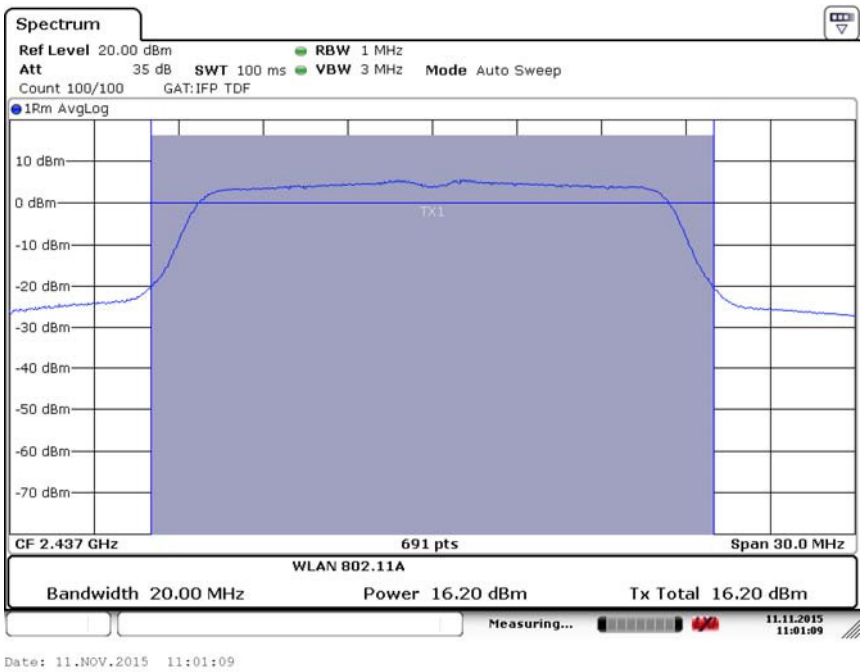

Fig.17 Maximum Average Output Power (802.11g, Ch 6,9Mbps)

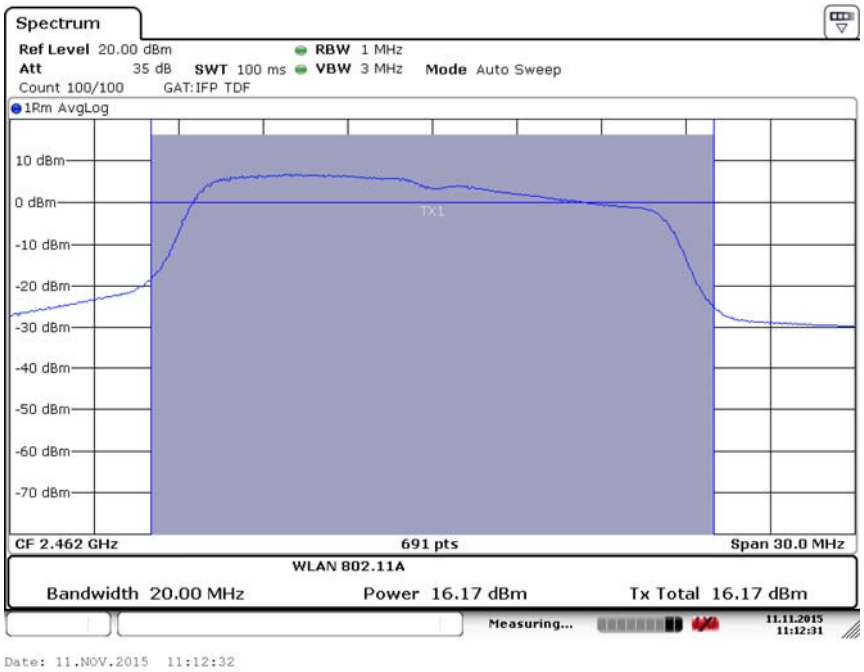

Fig.18 Maximum Average Output Power (802.11g, Ch 11,9Mbps)

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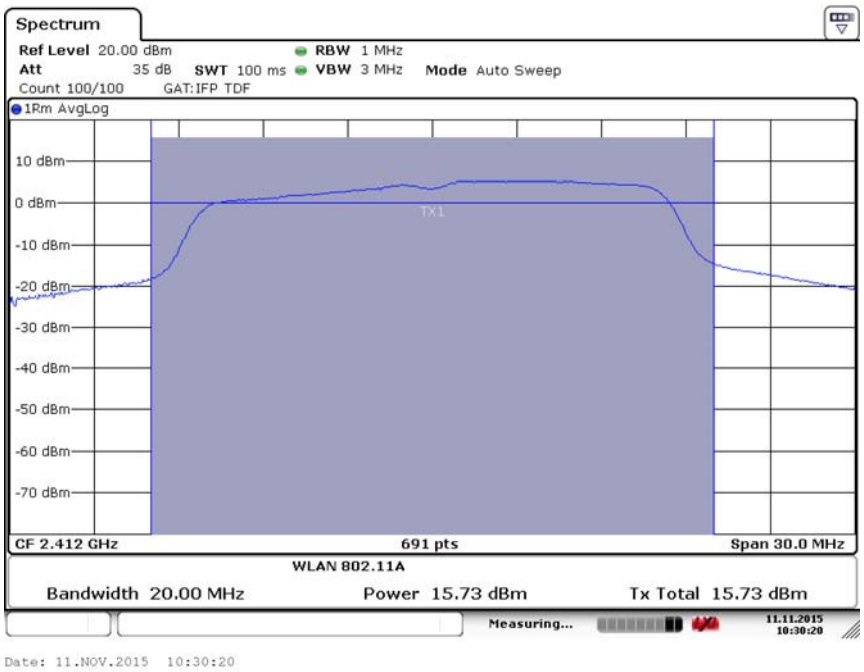

Fig.19 Maximum Average Output Power (802.11g, Ch 1,12Mbps)

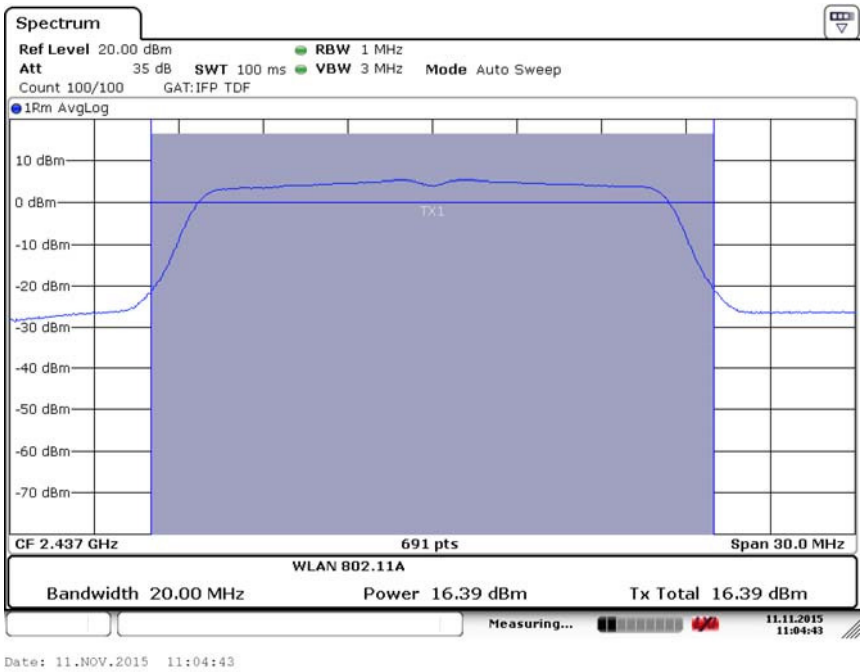

Fig.20 Maximum Average Output Power (802.11g, Ch 6,12Mbps)

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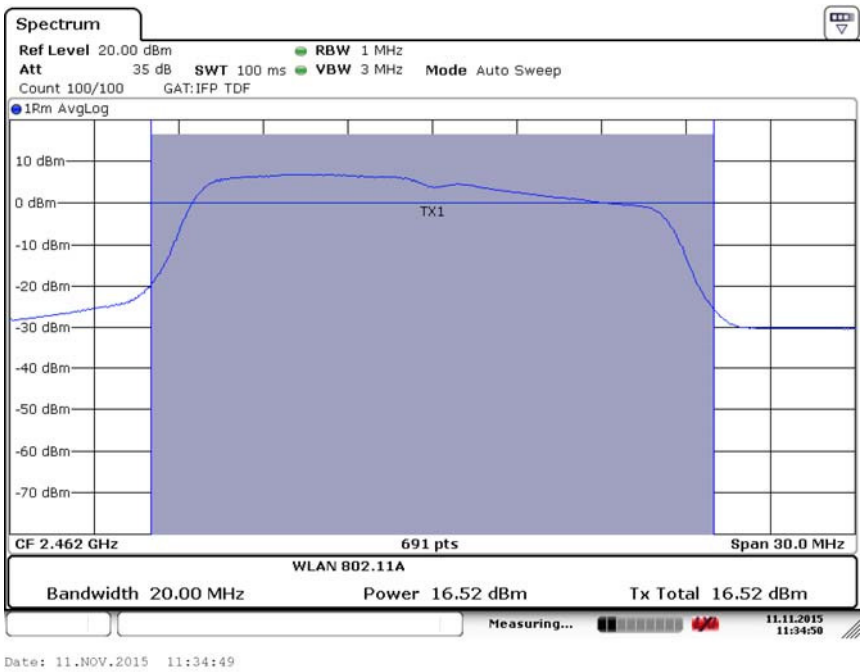

Fig.21 Maximum Average Output Power (802.11g, Ch 11,12Mbps)

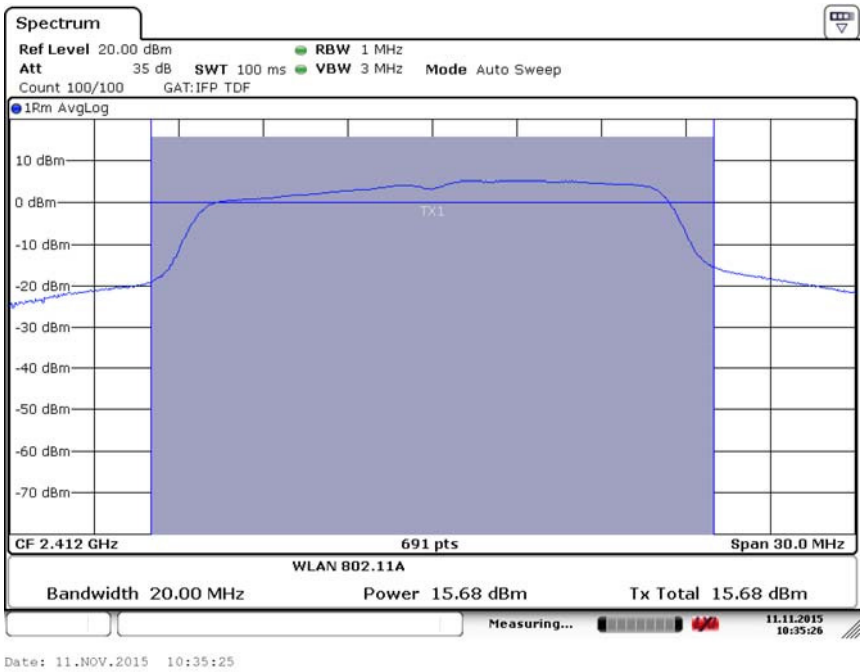

Fig.22 Maximum Average Output Power (802.11g, Ch 1,18Mbps)

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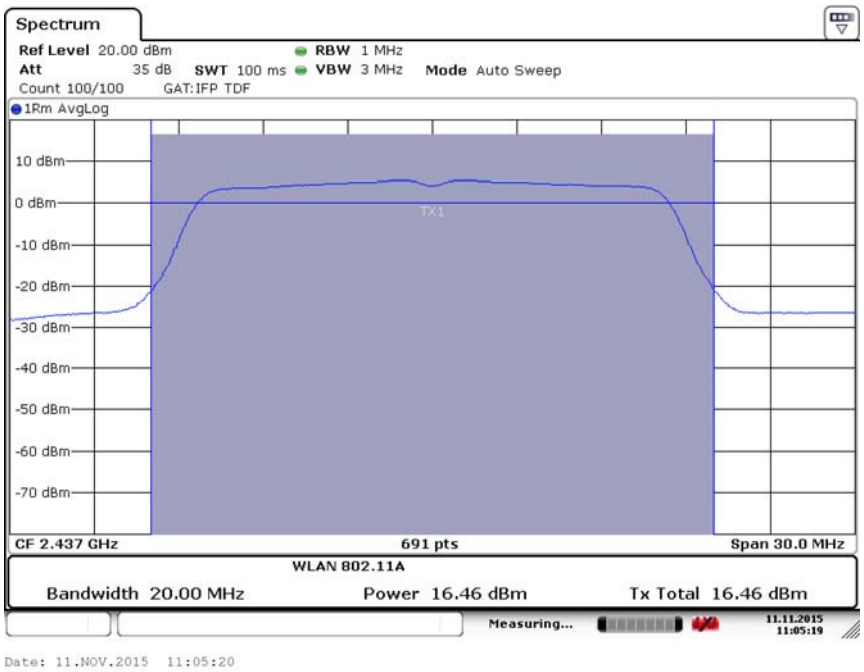

Fig.23 Maximum Average Output Power (802.11g, Ch 6,18Mbps)

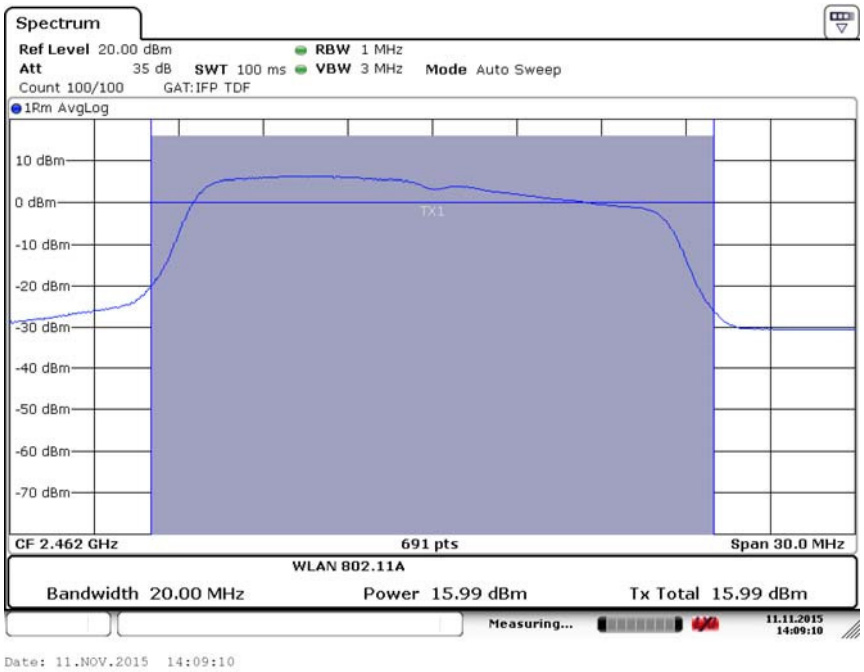

Fig.24 Maximum Average Output Power (802.11g, Ch 11,18Mbps)

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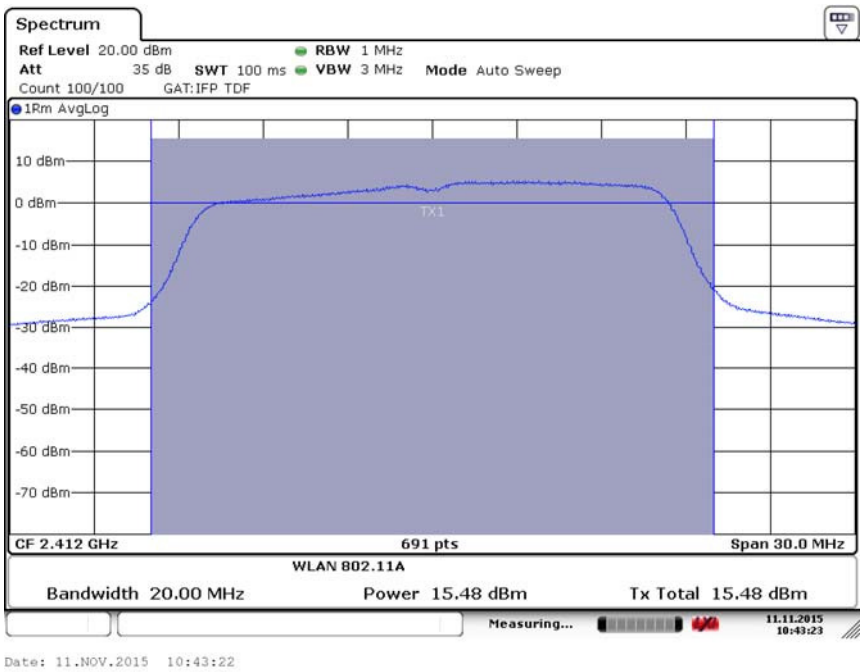

Fig.25 Maximum Average Output Power (802.11g, Ch 1,24Mbps)

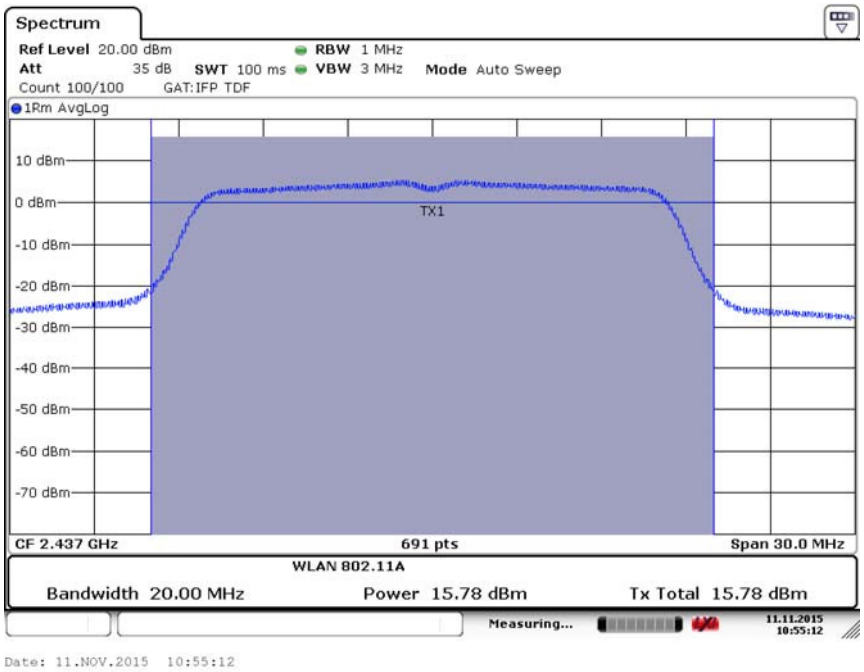

Fig.26 Maximum Average Output Power (802.11g, Ch 6,24Mbps)

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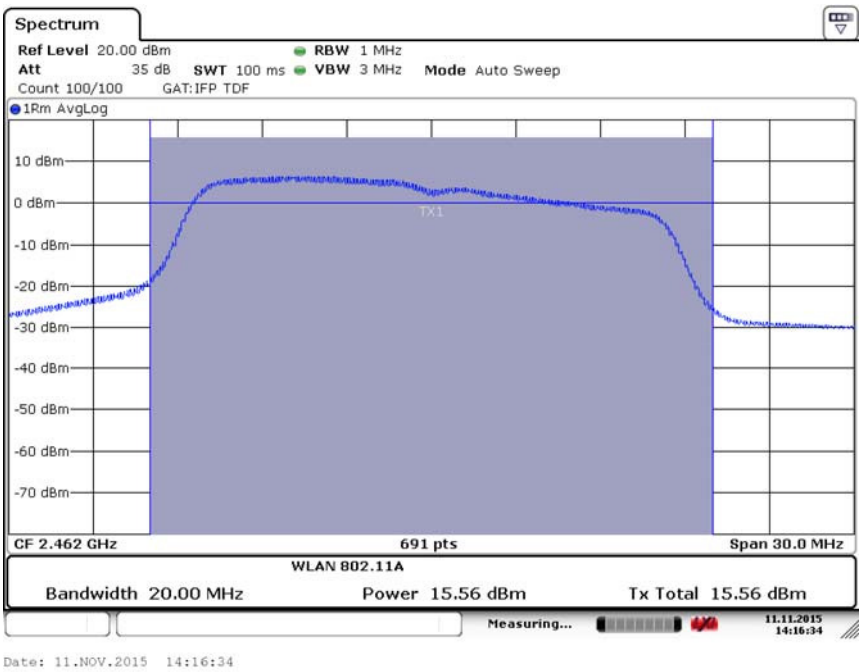

Fig.27 Maximum Average Output Power (802.11g, Ch 11,24Mbps)

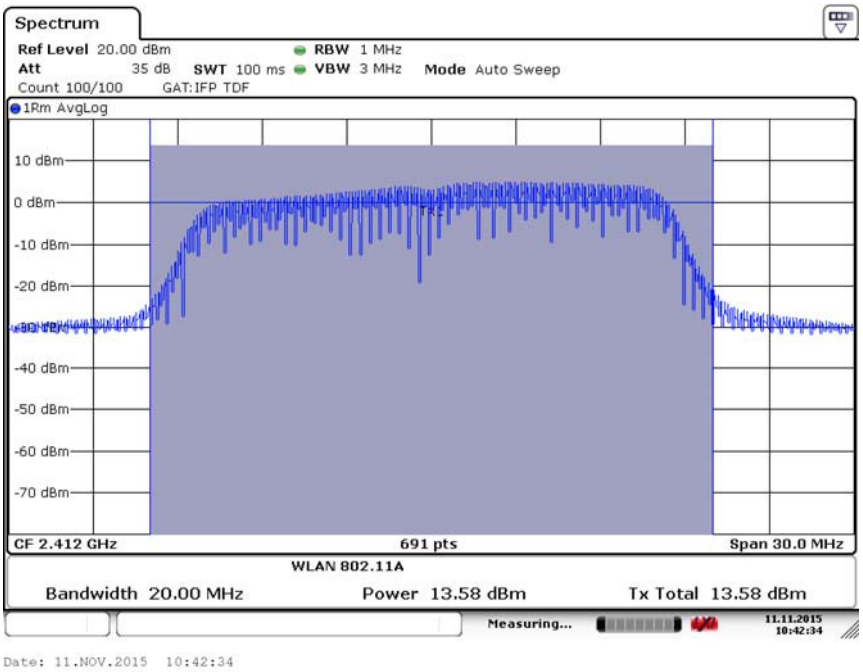

Fig.28 Maximum Average Output Power (802.11g, Ch 1,36Mbps)

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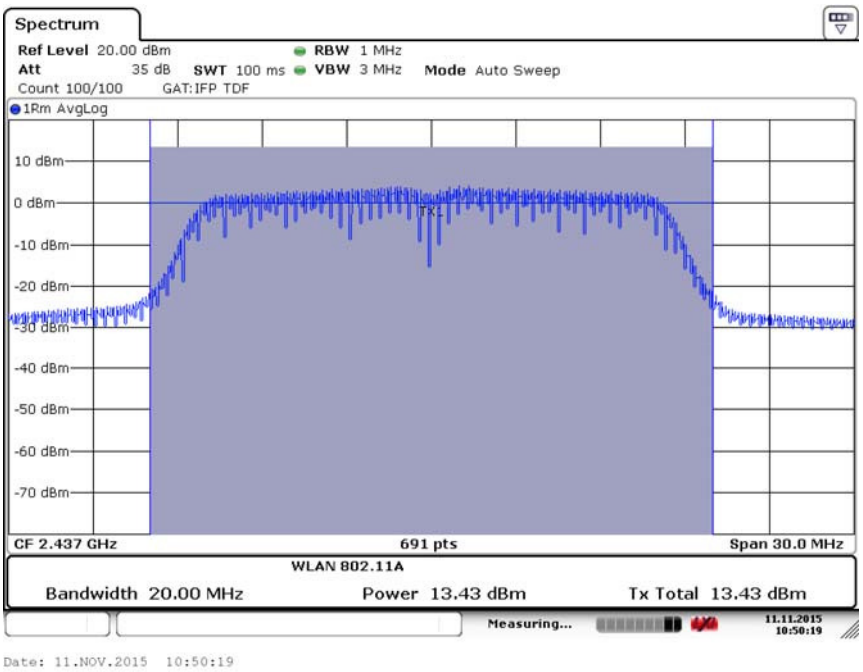

Fig.29 Maximum Average Output Power (802.11g, Ch 6,36Mbps)

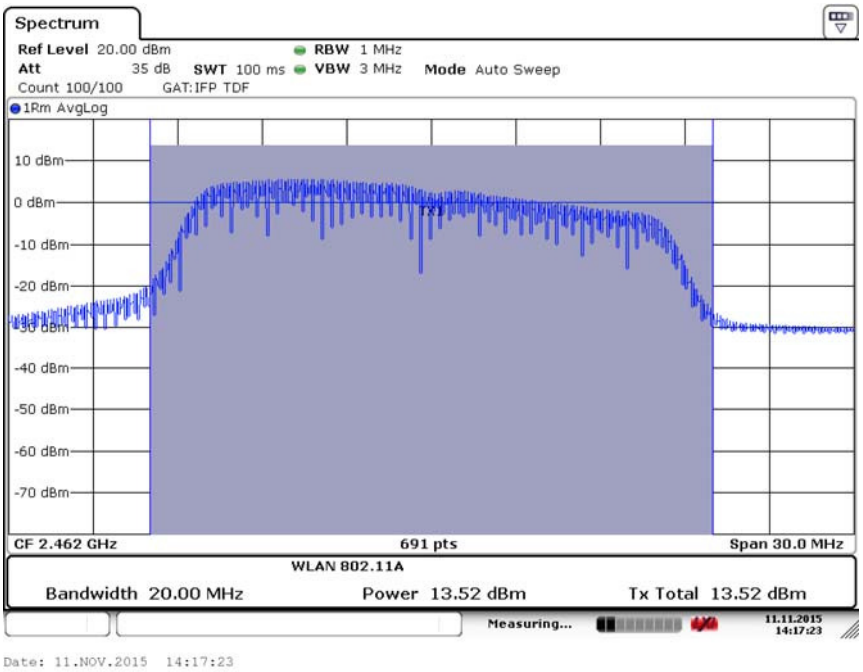

Fig.30 Maximum Average Output Power (802.11g, Ch 11,36Mbps)

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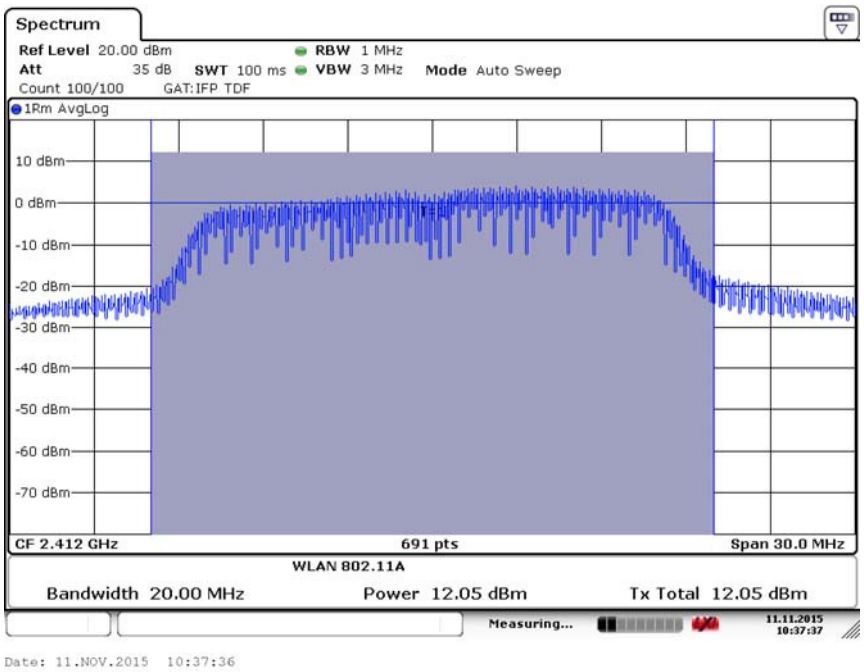

Fig.31 Maximum Average Output Power (802.11g, Ch 1,48Mbps)

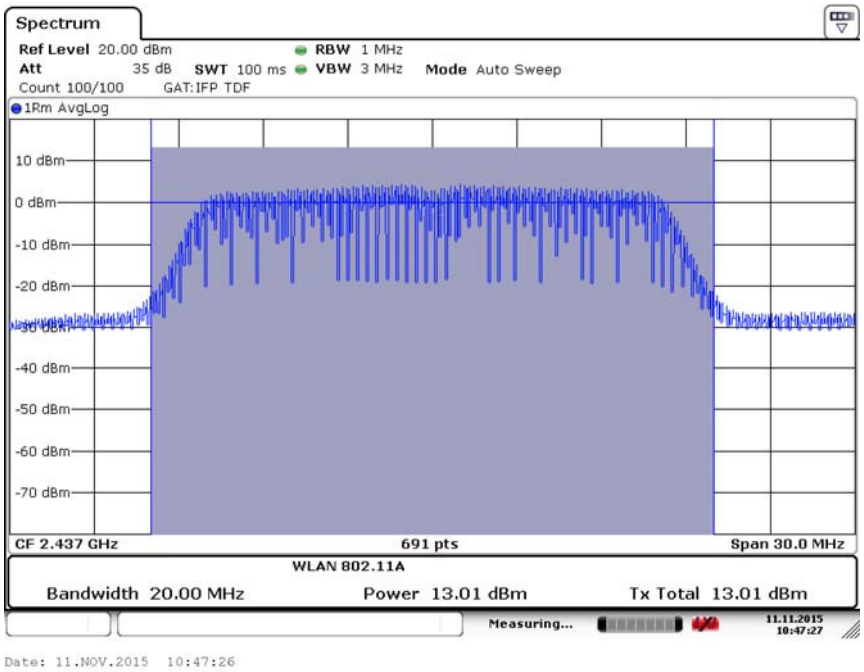

Fig.32 Maximum Average Output Power (802.11g, Ch 6,48Mbps)

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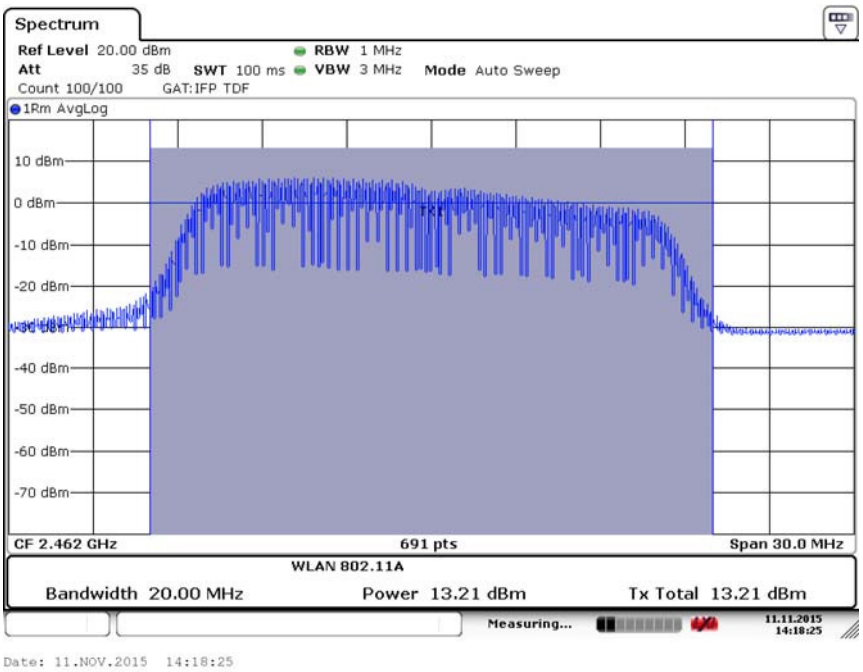

Fig.33 Maximum Average Output Power (802.11g, Ch 11,48Mbps)

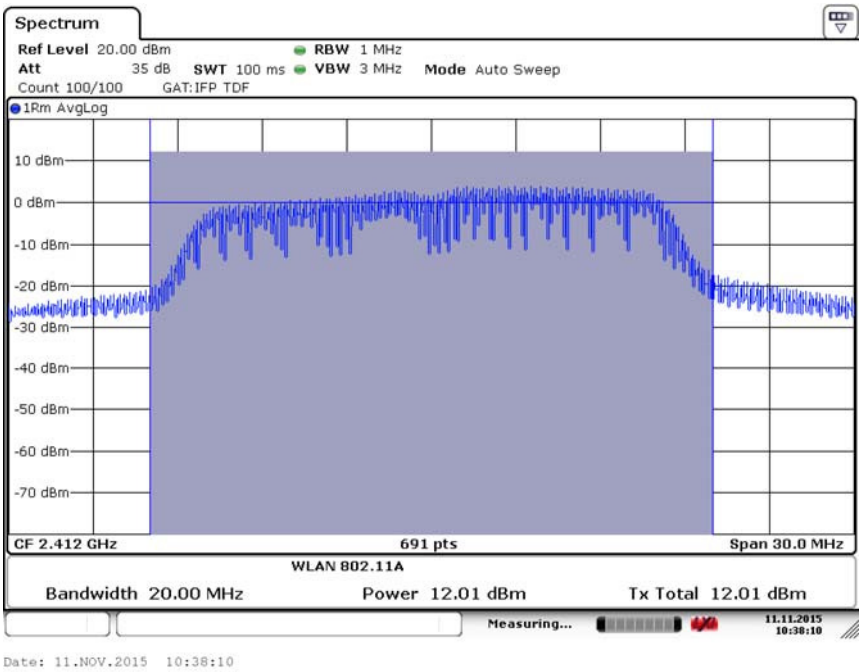

Fig.34 Maximum Average Output Power (802.11g, Ch 1,54Mbps)

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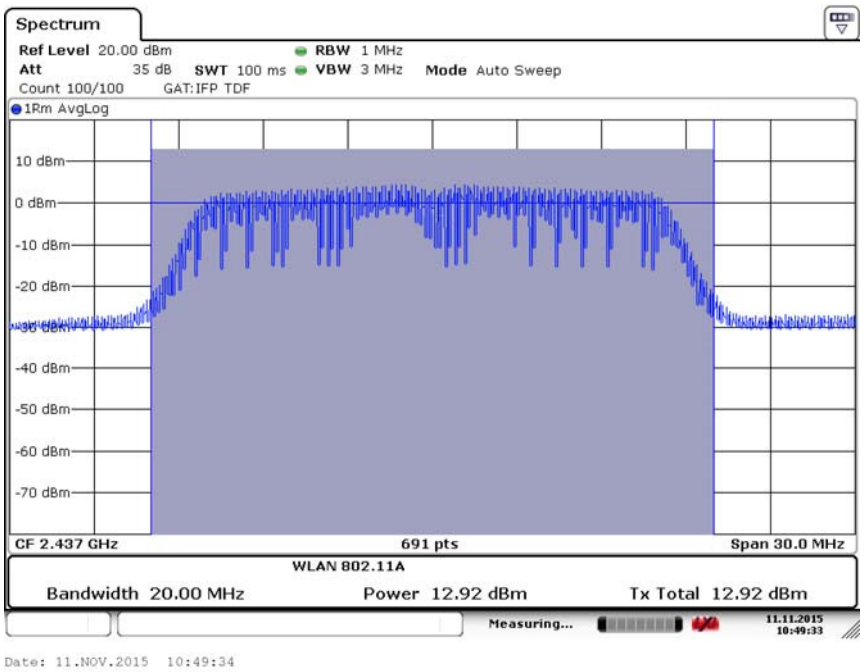

Fig.35 Maximum Average Output Power (802.11g, Ch 6,54Mbps)

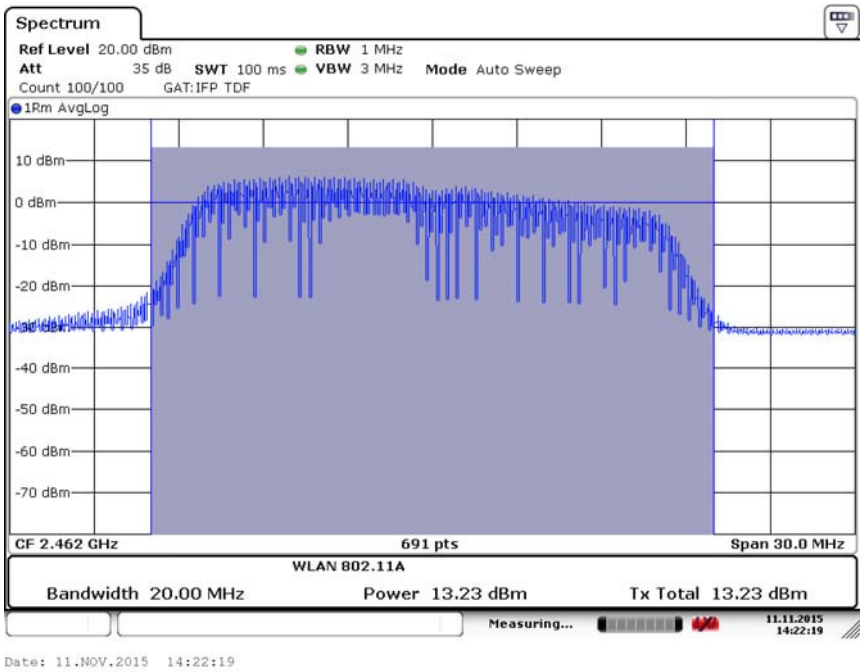

Fig.36 Maximum Average Output Power (802.11g, Ch 11,54Mbps)

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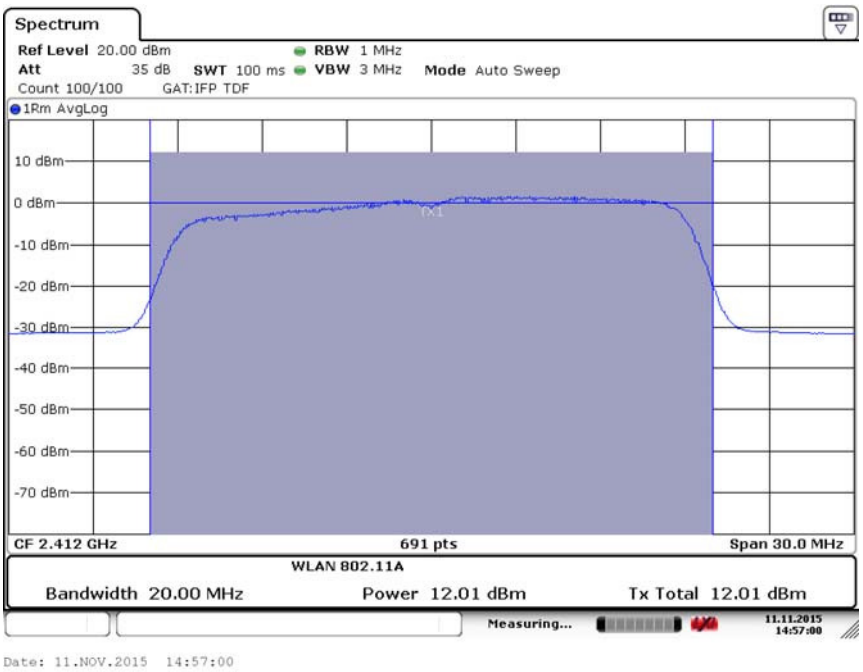

Fig.37 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS0)

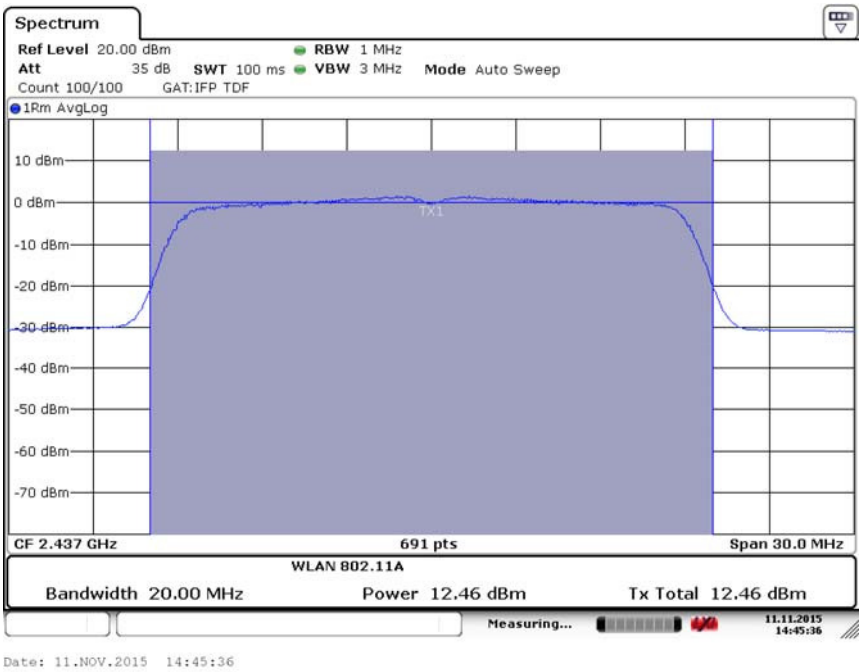

Fig.38 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS0)

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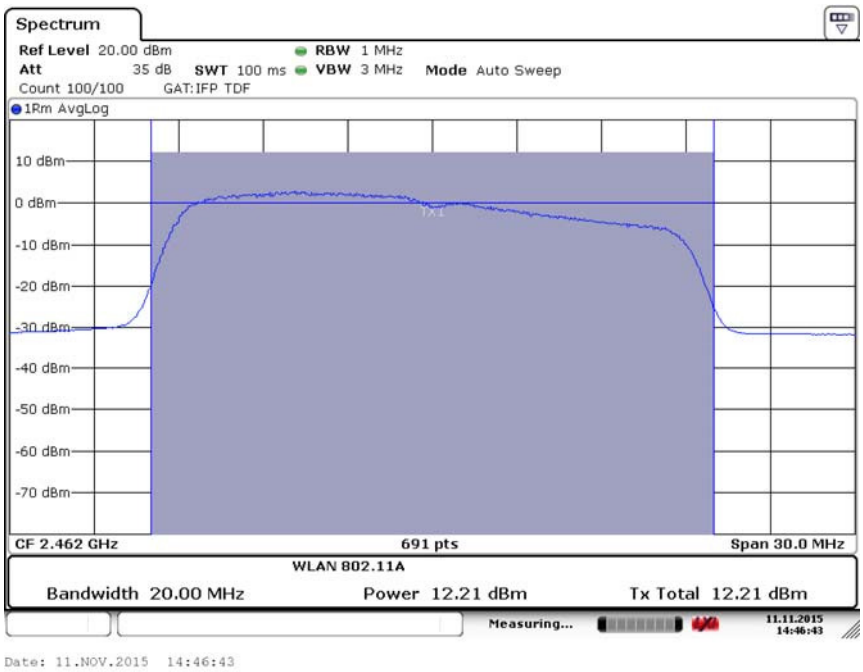

Fig.39 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS0)

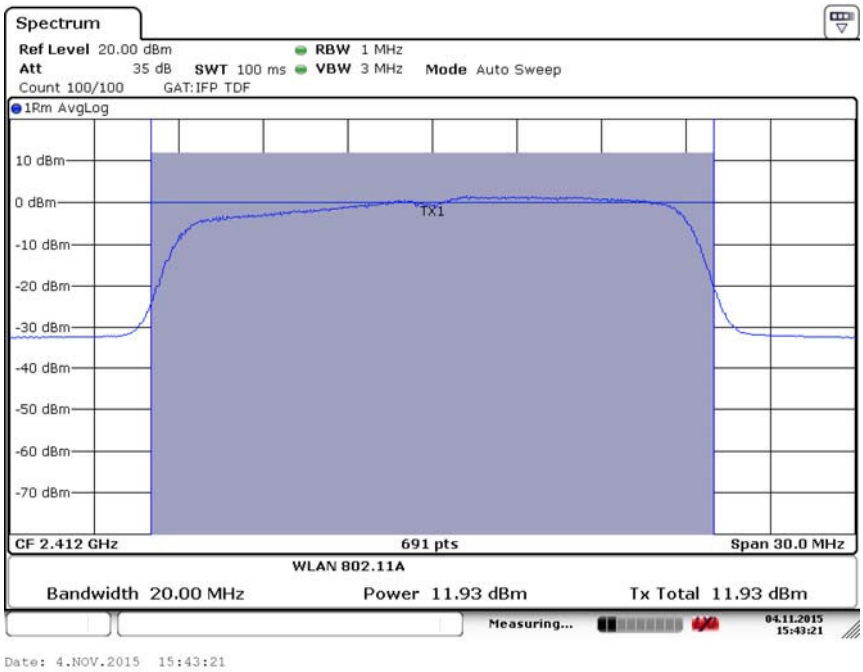

Fig.40 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS1)

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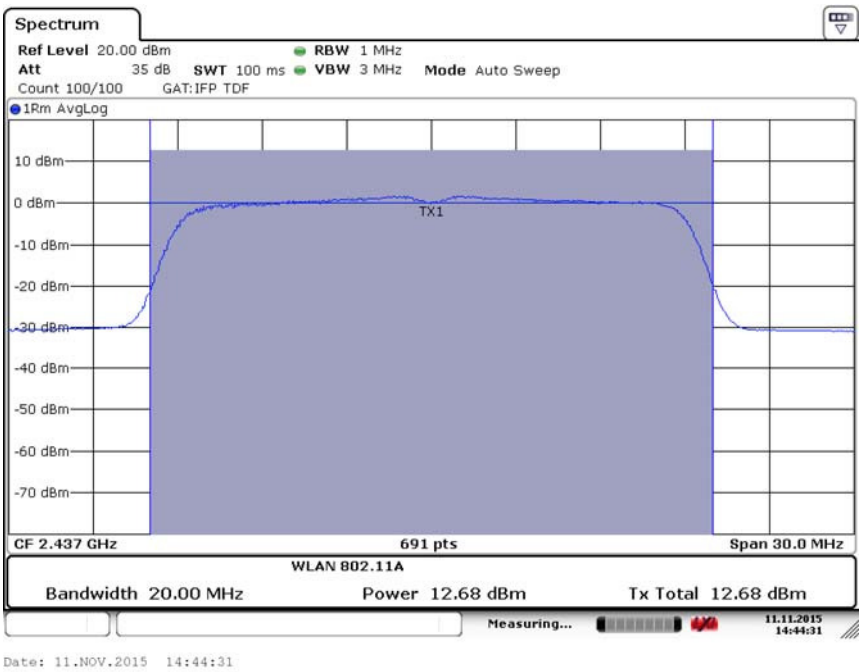

Fig.41 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS1)

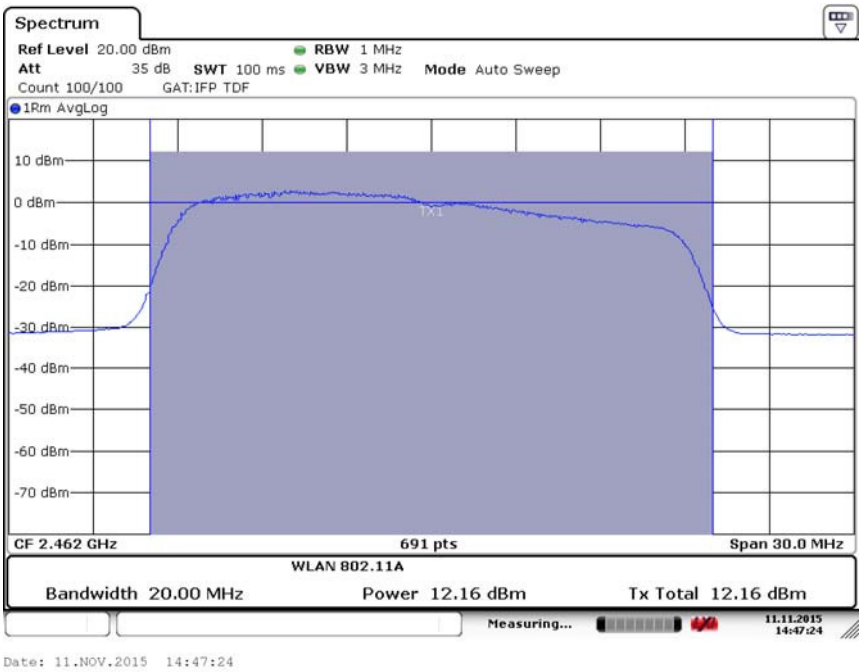

Fig.42 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS1)

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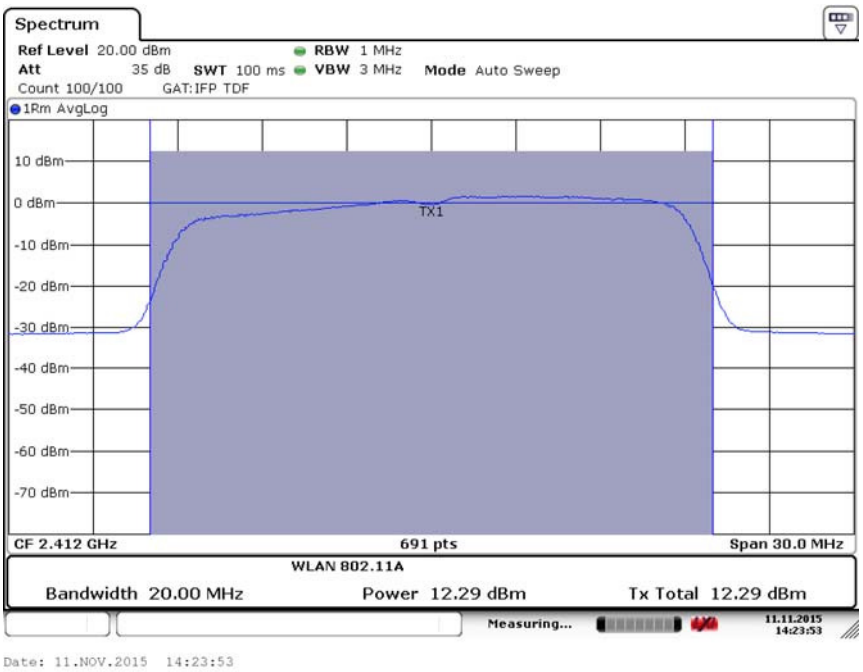

Fig.43 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS2)

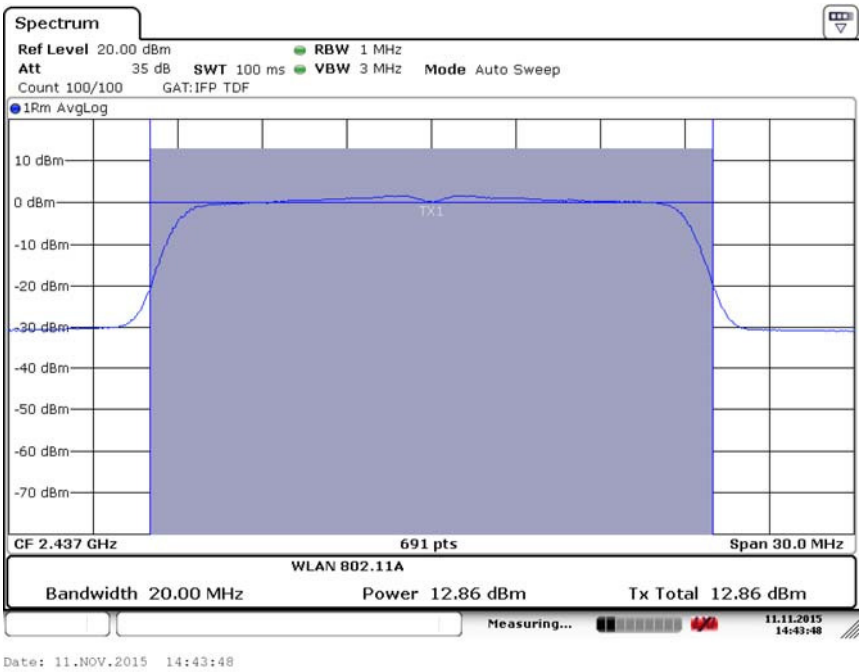

Fig.44 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS2))

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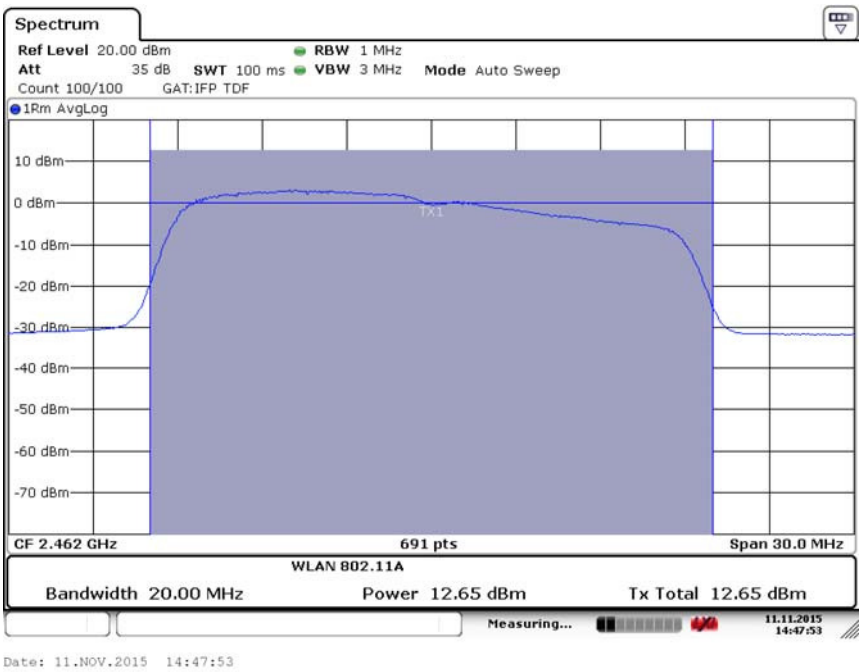

Fig.45 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS2)

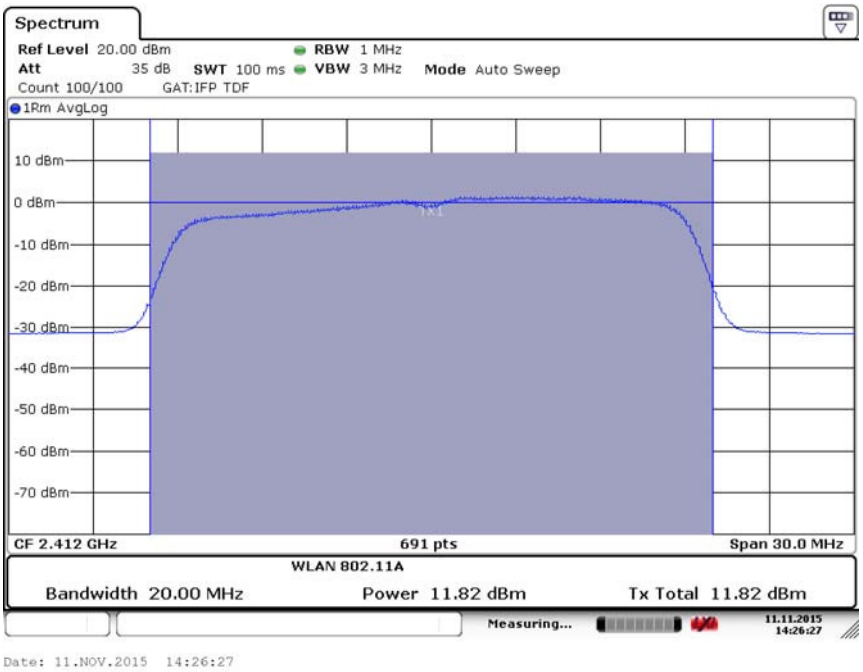

Fig.46 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS3)

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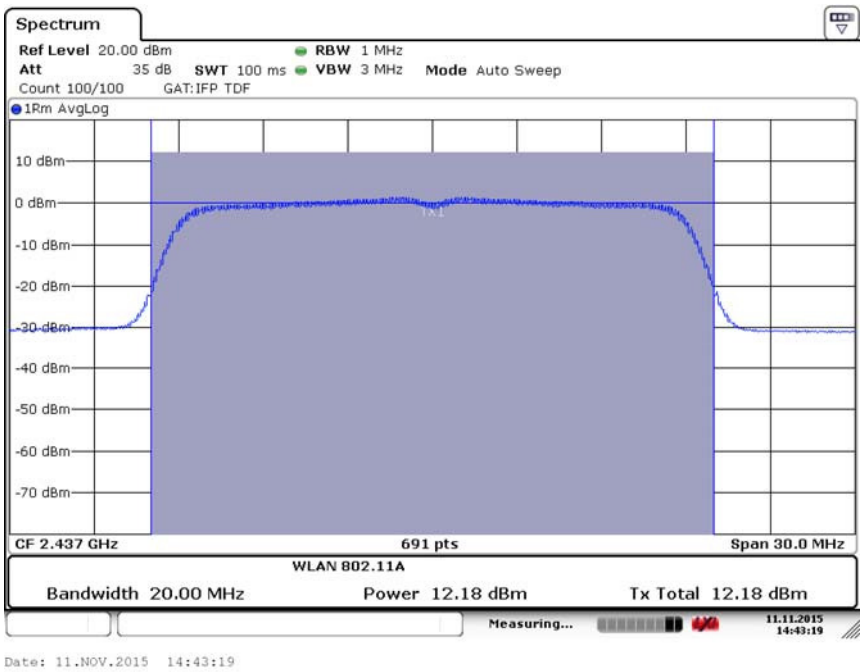

Fig.47 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS3)

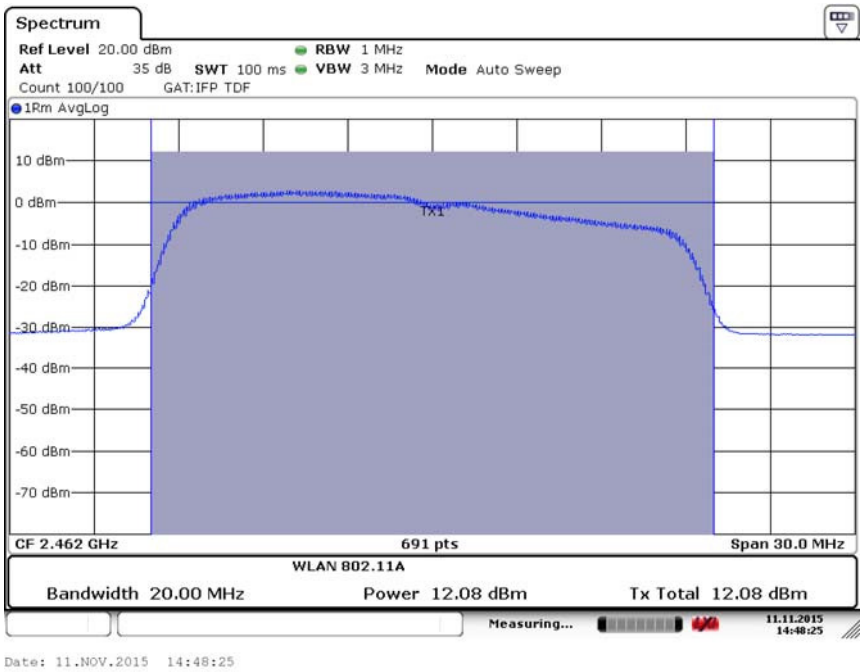

Fig.48 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS3)

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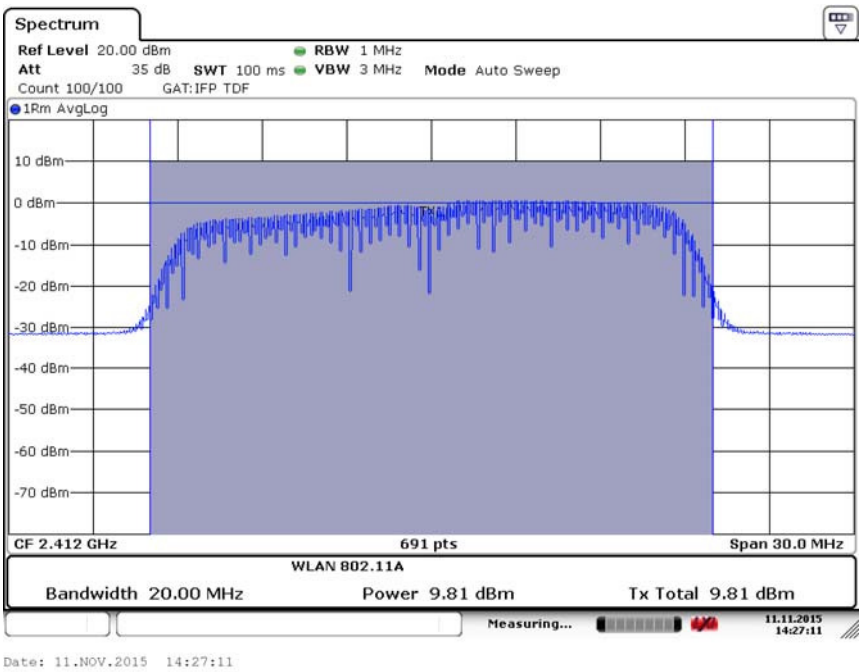

Fig.49 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS4)

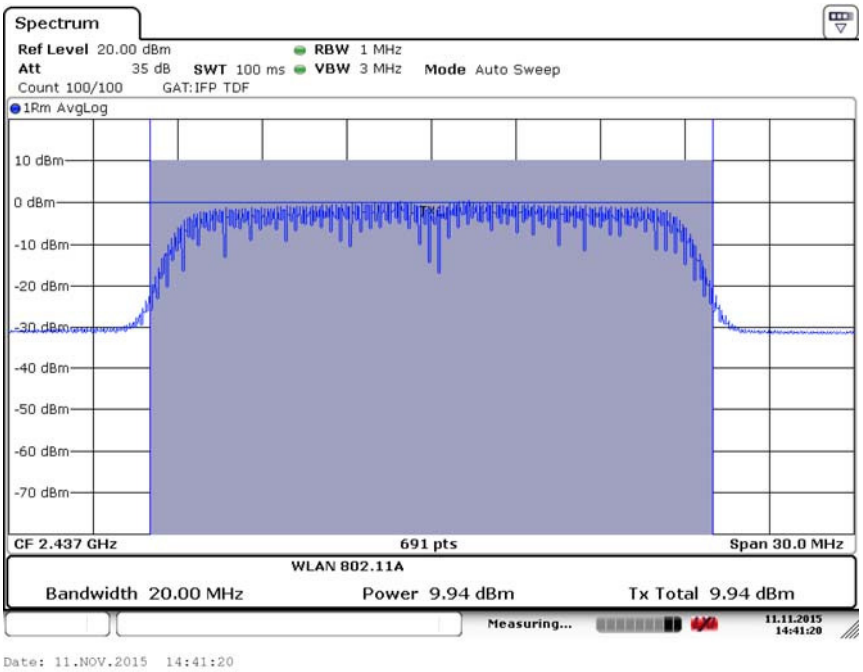

Fig.50 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS4)

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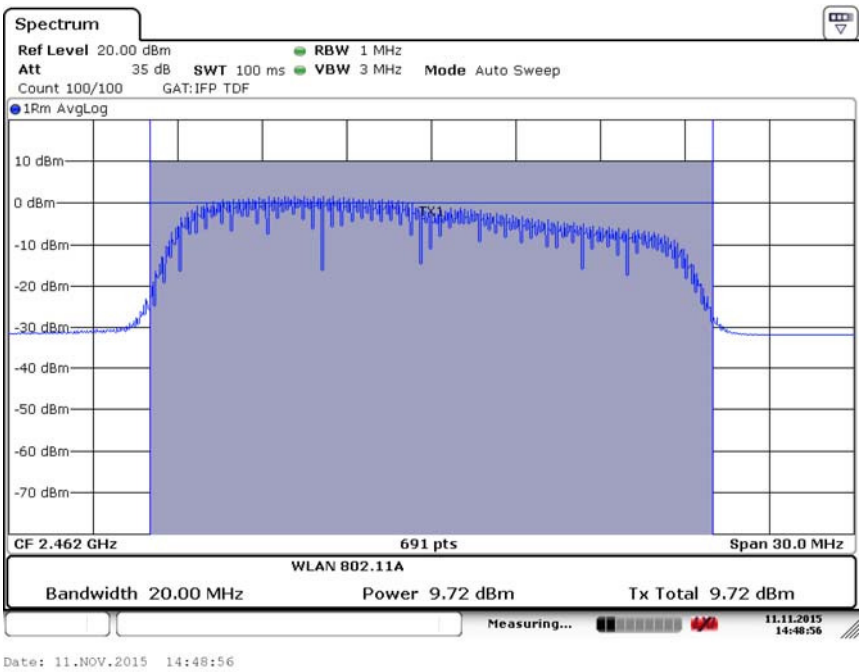

Fig.51 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS4)

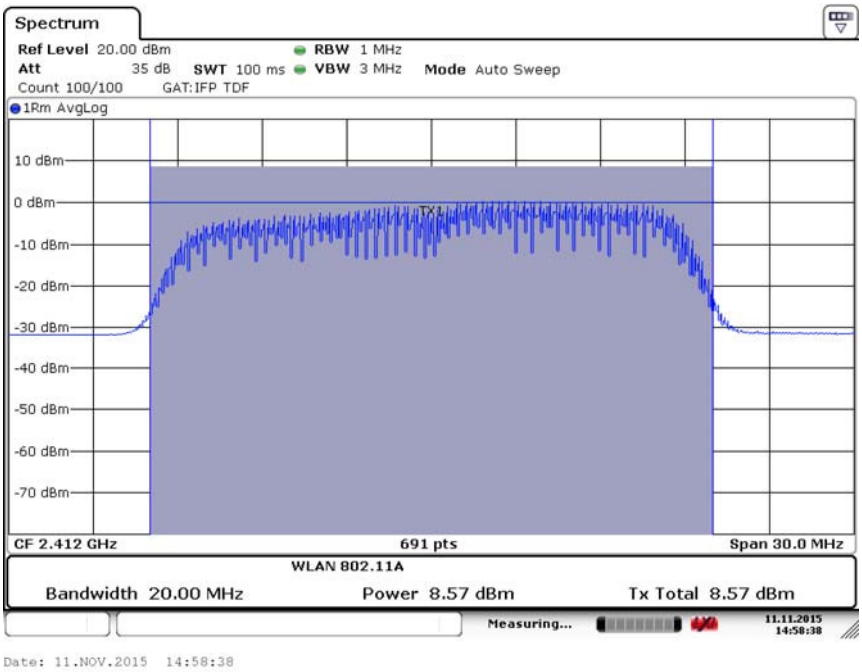

Fig.52 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS5)

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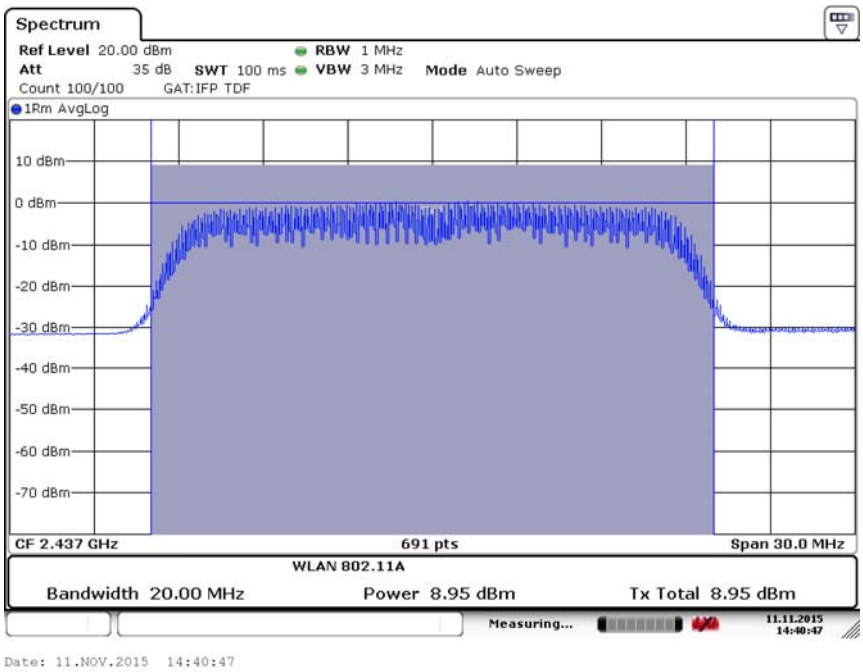

Fig.53 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS5)

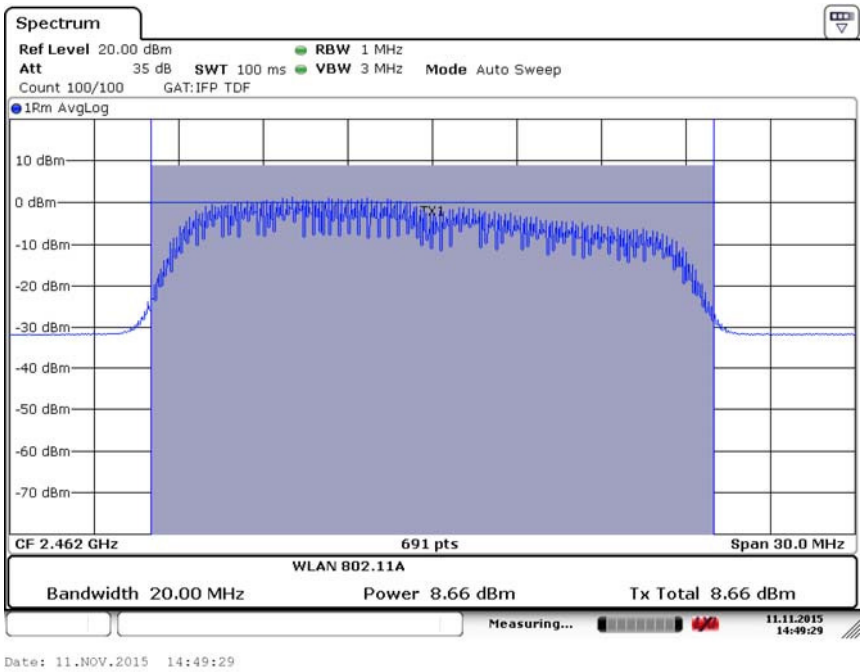

Fig.54 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS5)

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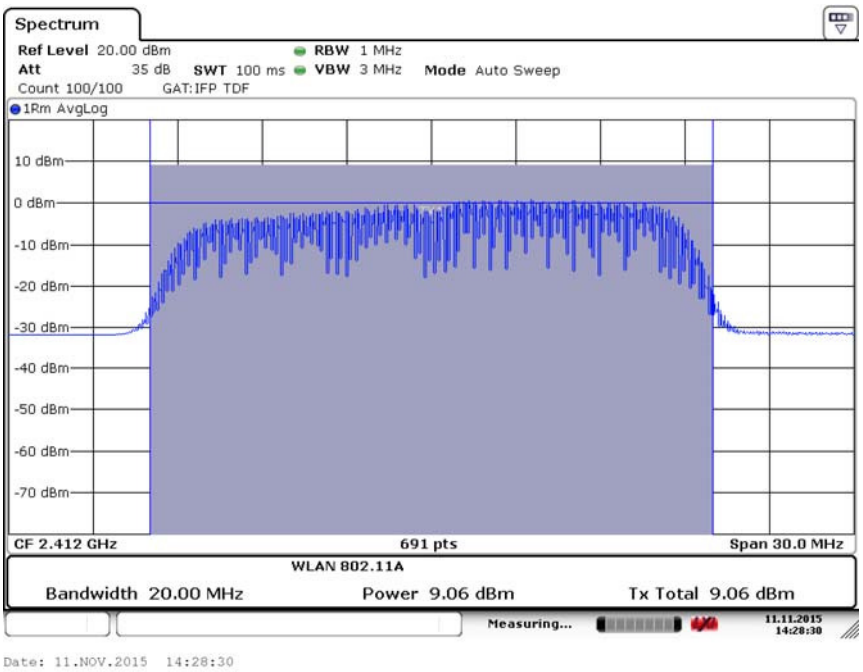

Fig.55 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS6)

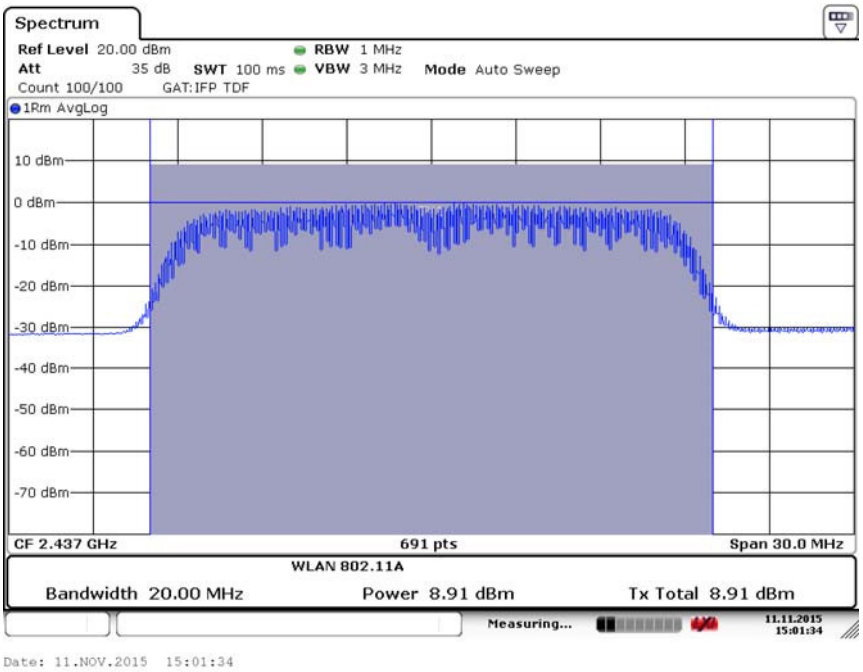

Fig.56 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS6)

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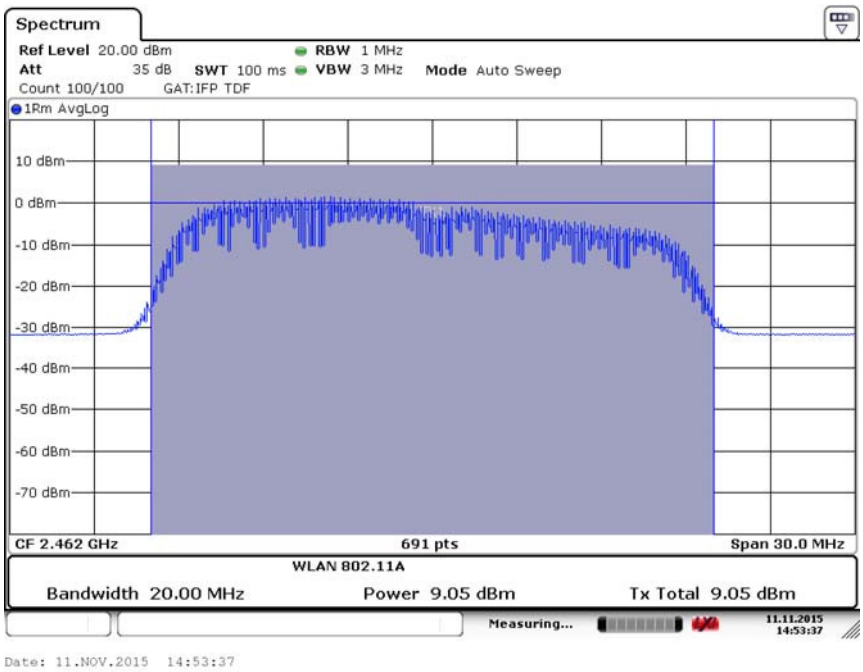

Fig.57 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS6)

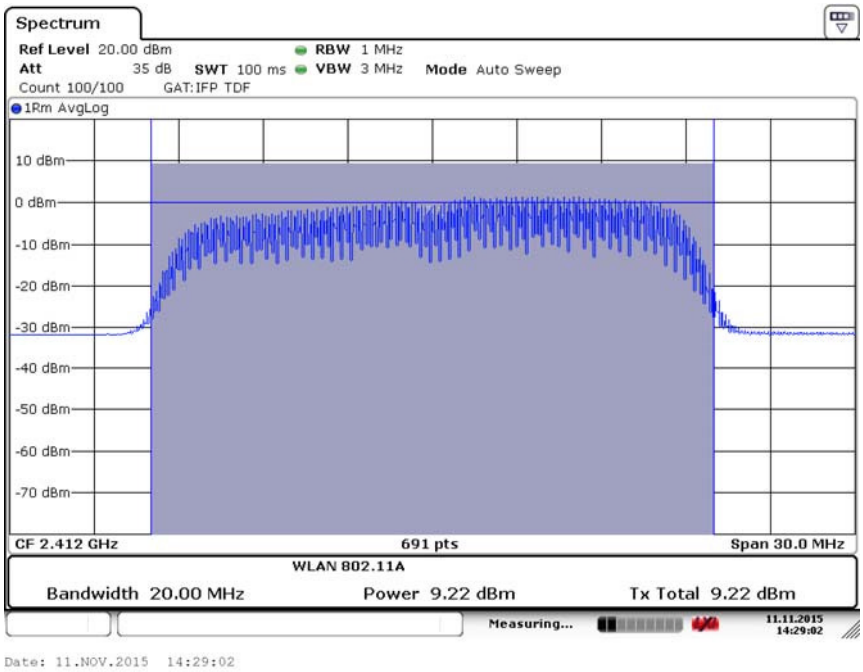

Fig.58 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS7)

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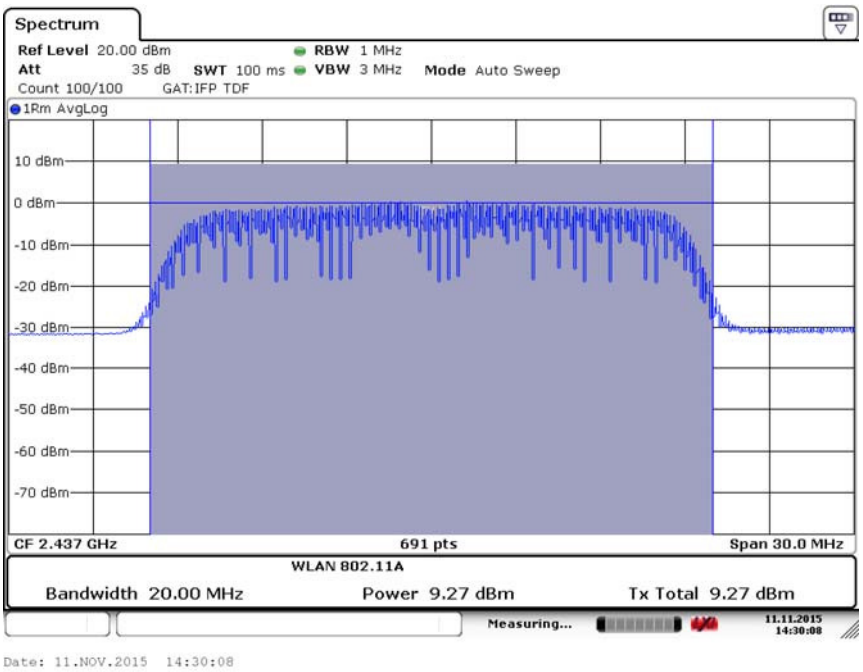

Fig.59 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS7)

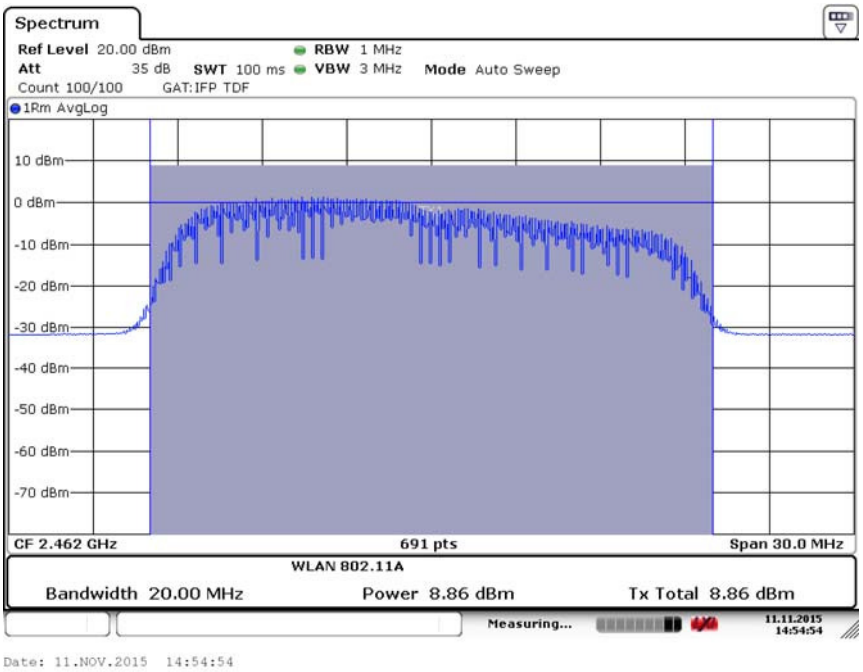

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Fig.60 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS7)

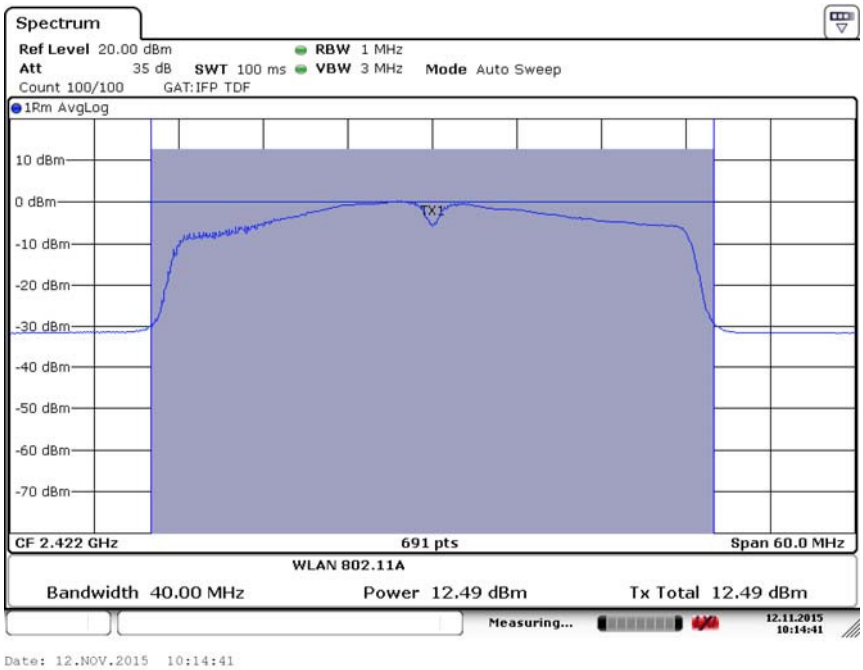

Fig.61 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS0)

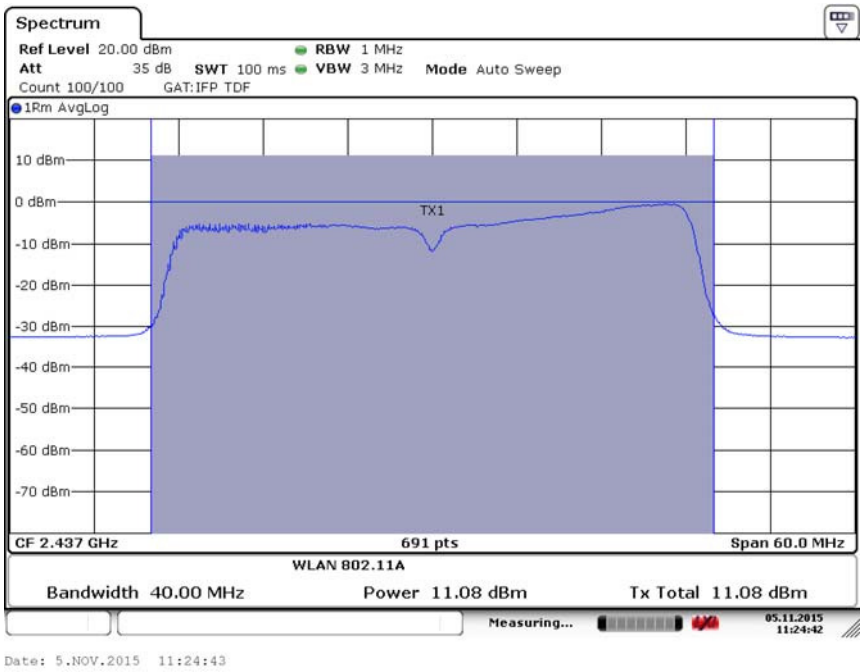

Fig.62 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS0)

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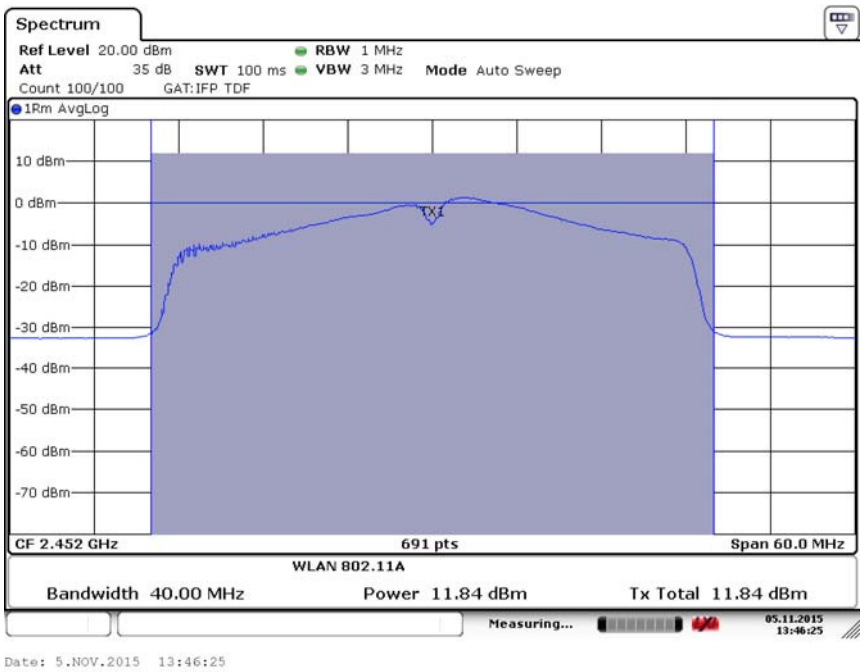

Fig.63 Maximum Average Output Power (802.11n-40MHz, Ch 9,MCS0)

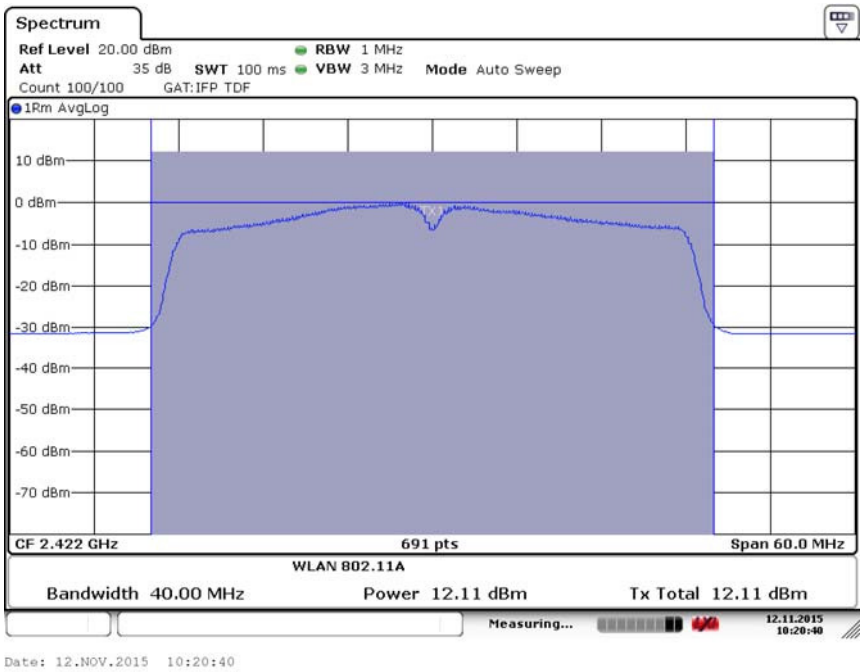

Fig.64 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS1)

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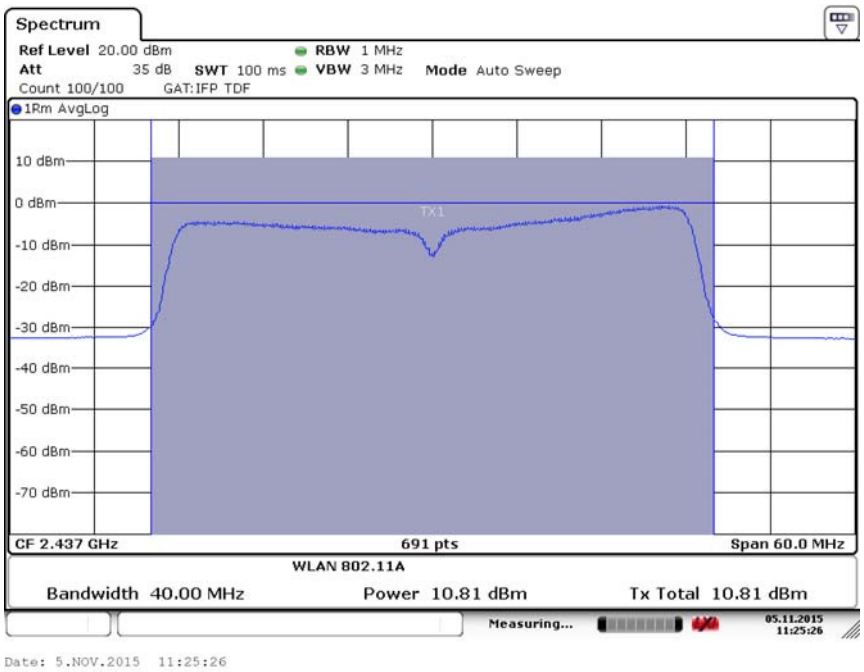

Fig.65 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS1)

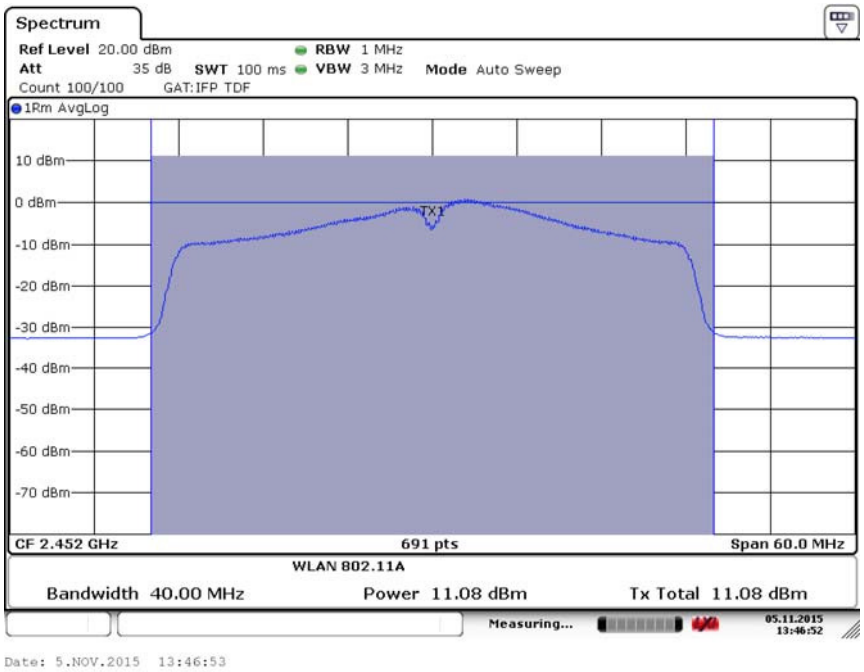

Fig.66 Maximum Average Output Power (802.11n-40MHz, Ch 9,MCS1)

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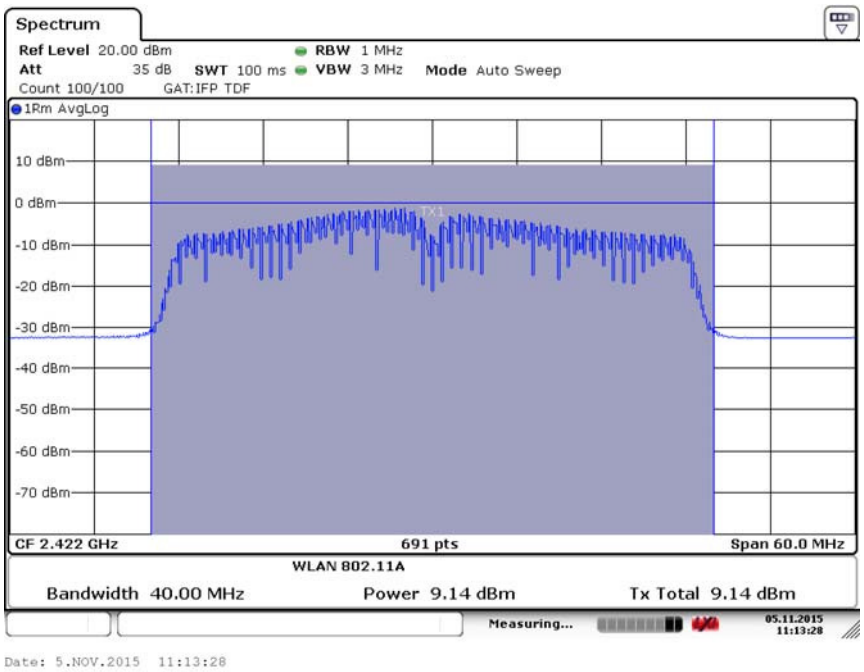

Fig.67 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS2)

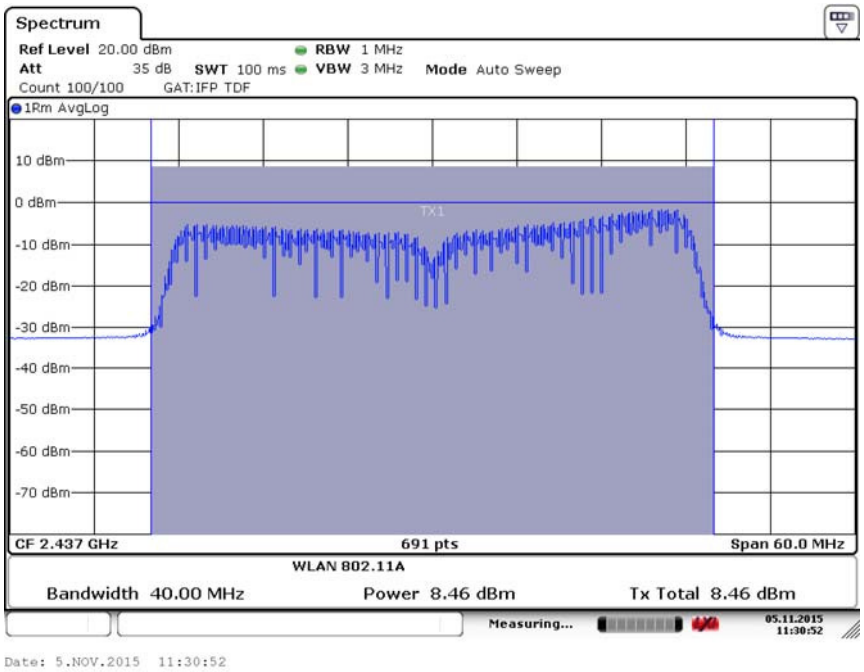

Fig.68 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS2))

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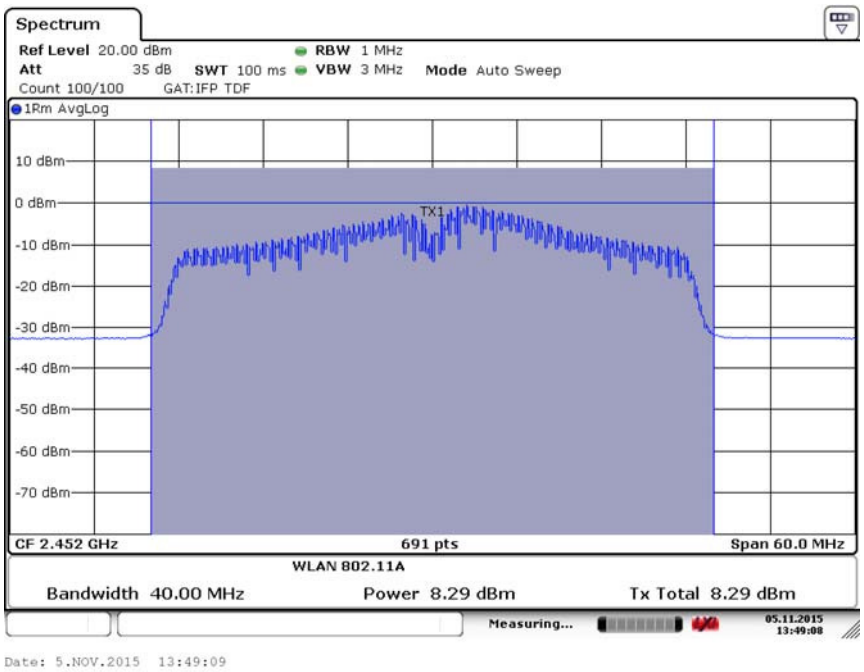

Fig.69 Maximum Average Output Power (802.11n-40MHz, Ch 9,MCS2)

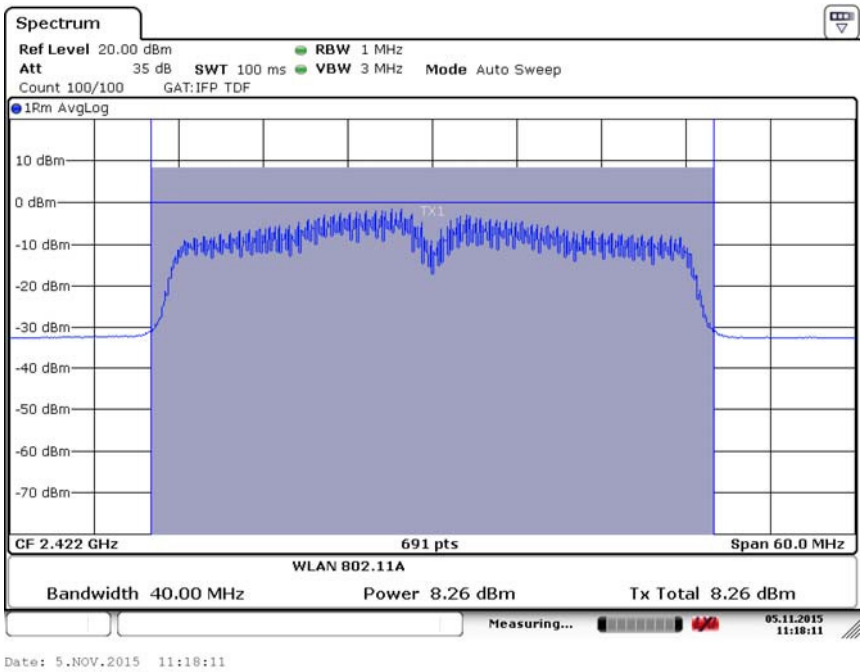

Fig.70 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS3)

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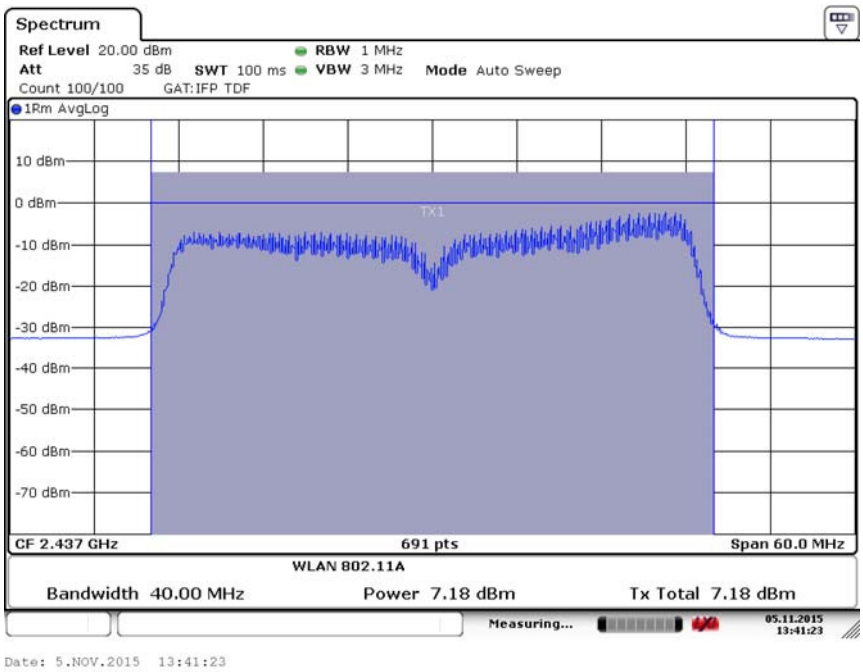

Fig.71 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS3)

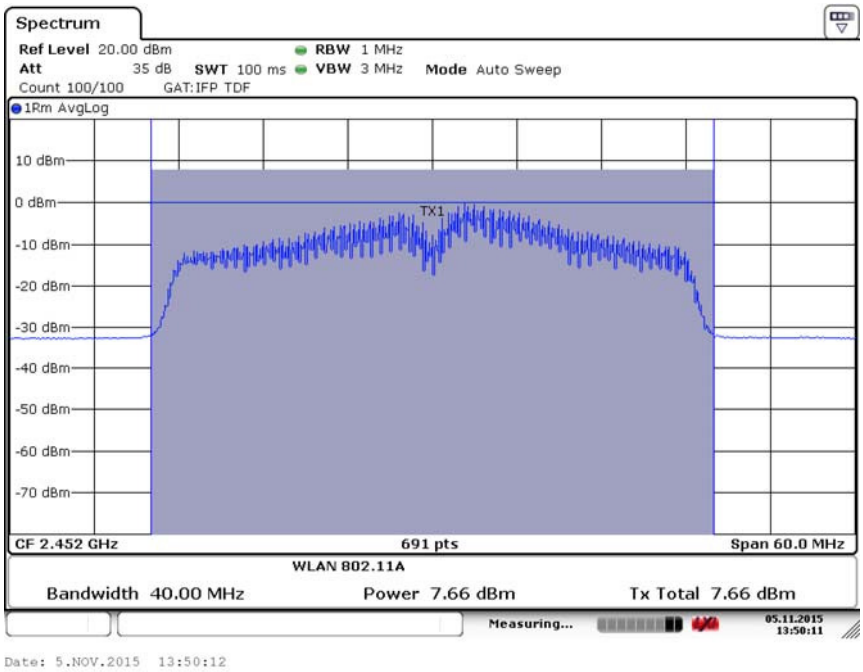

Fig.72 Maximum Average Output Power (802.11n-40MHz, Ch 9,MCS3)

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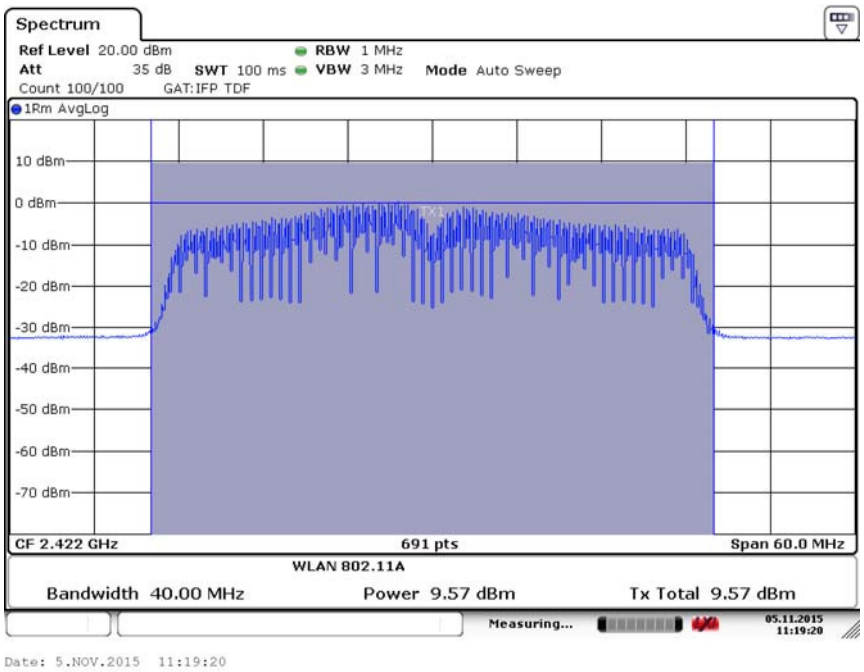

Fig.73 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS4)

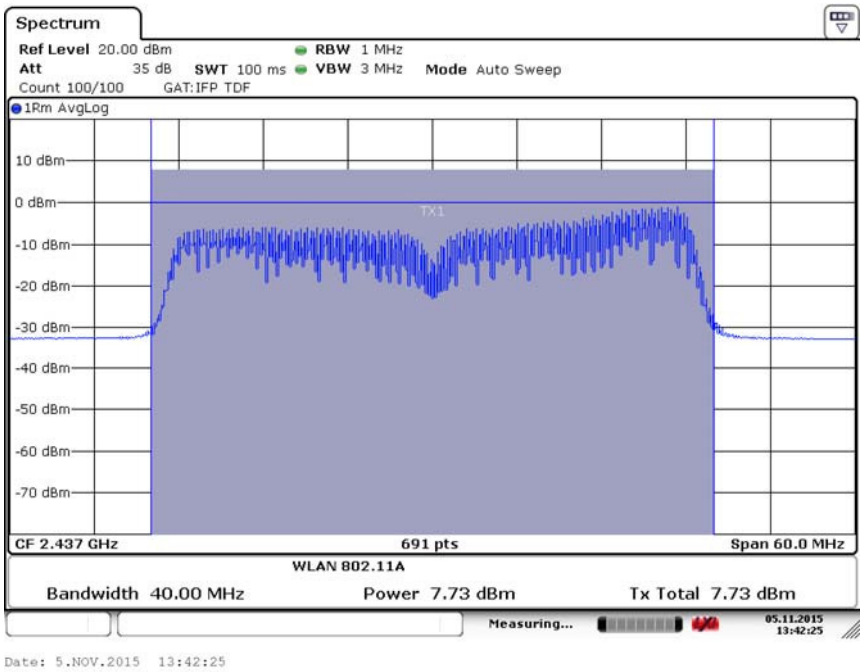

Fig.74 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS4)

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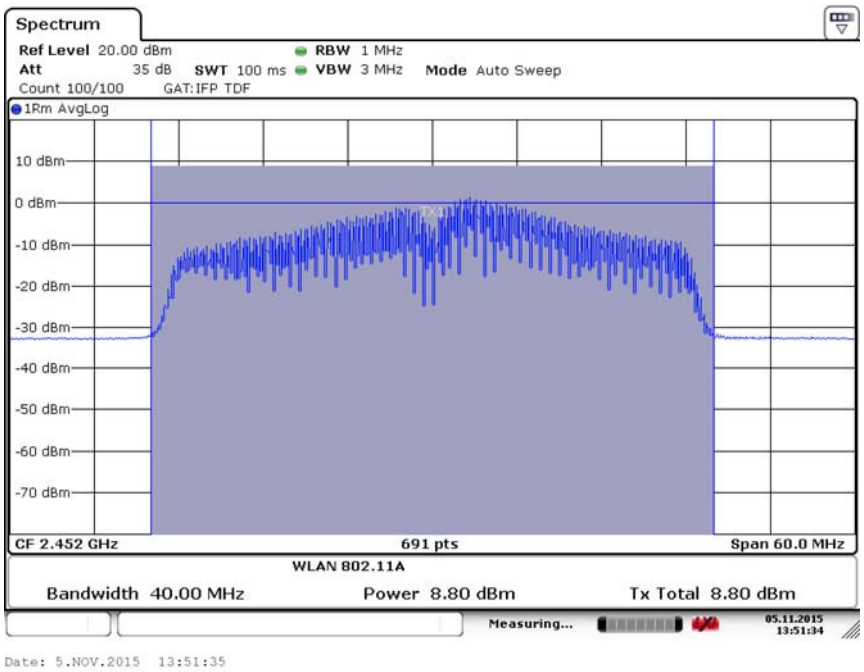

Fig.75 Maximum Average Output Power (802.11n-40MHz, Ch9,MCS4)

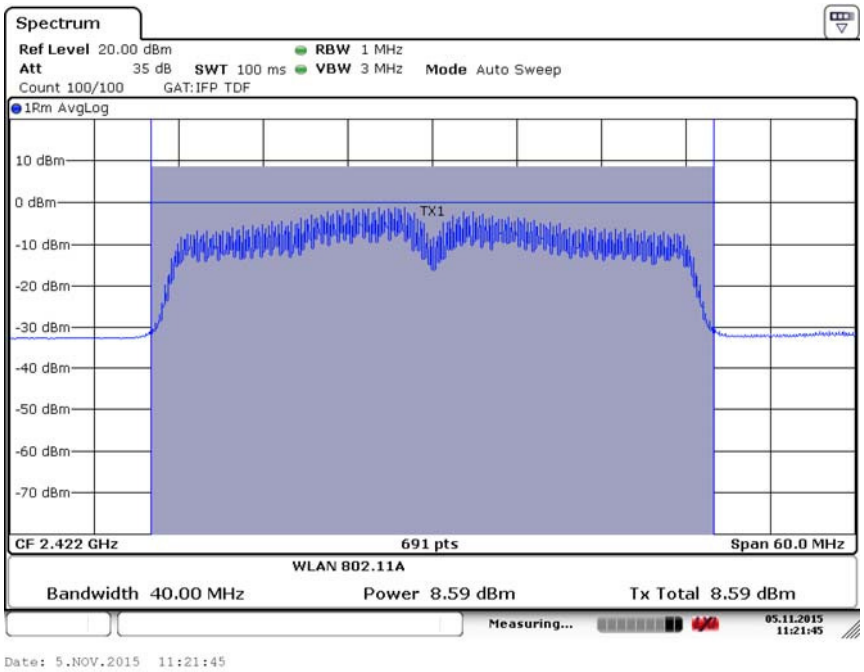

Fig.76 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS5)

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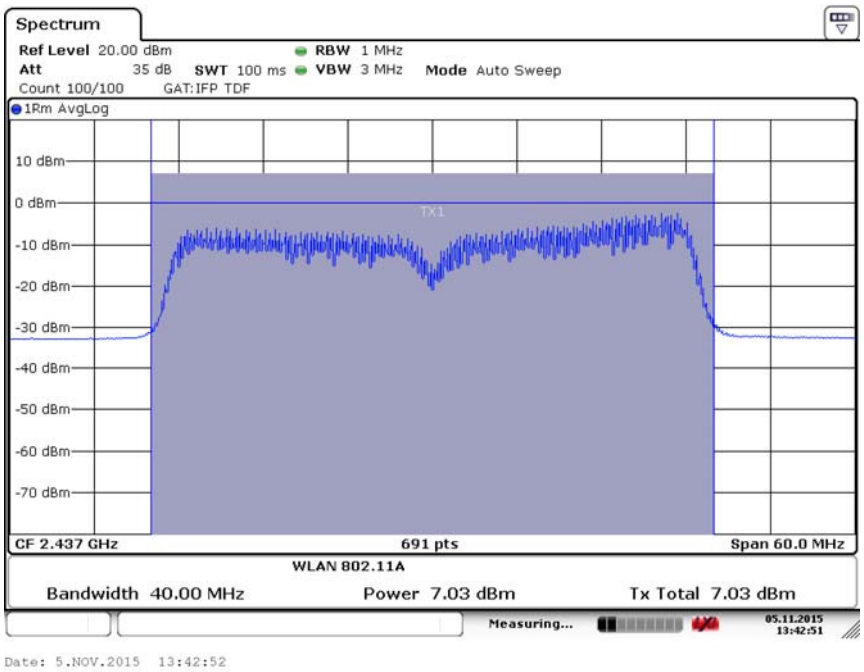

Fig.77 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS5)

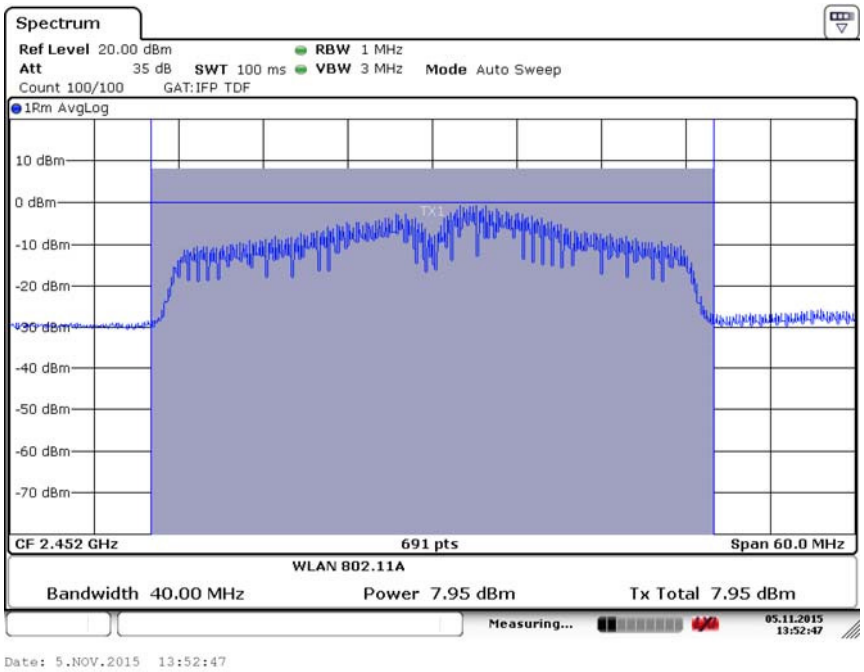

Fig.78 Maximum Average Output Power (802.11n-40MHz, Ch 9,MCS5)

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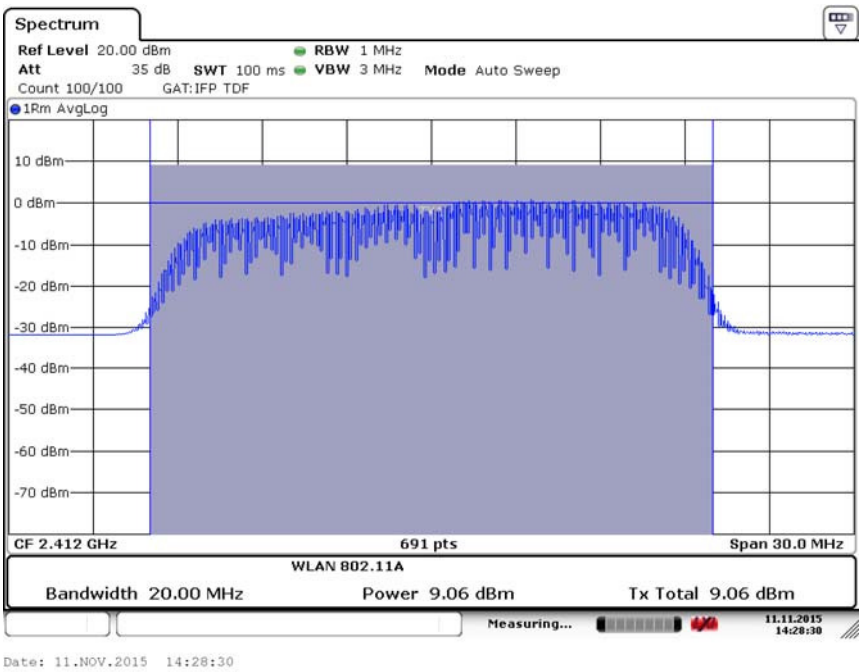

Fig.79 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS6)

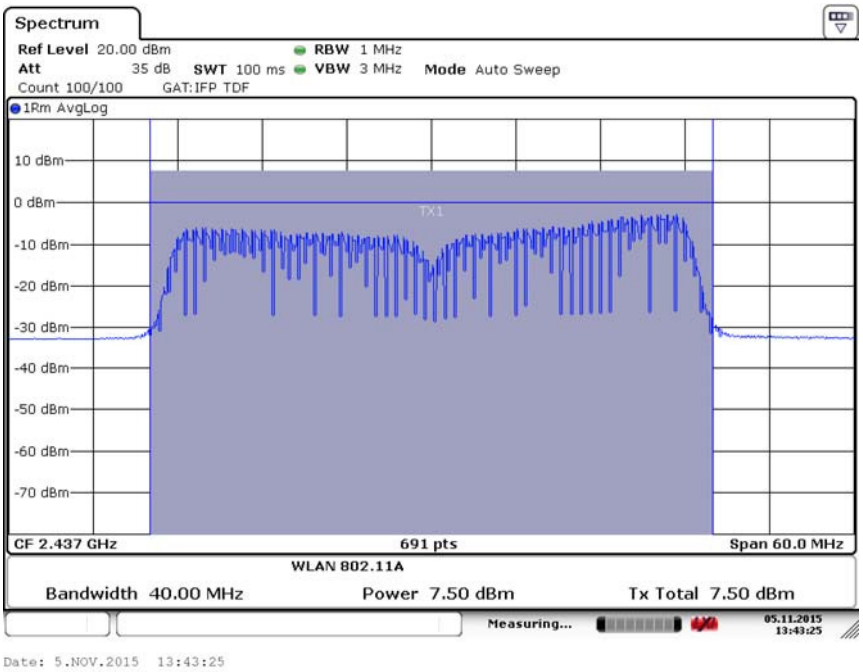

Fig.80 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS6)

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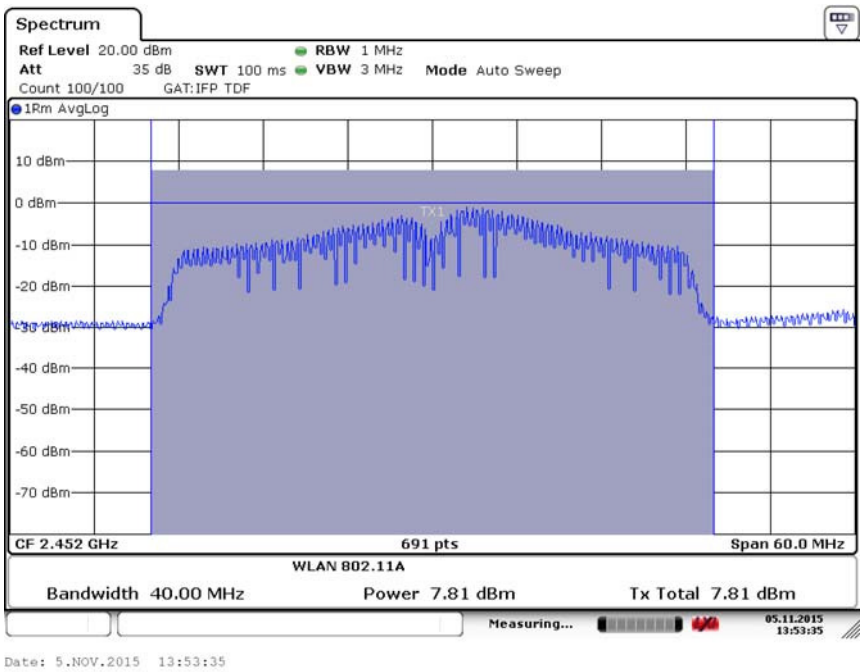

Fig.81 Maximum Average Output Power (802.11n-40MHz, Ch 9,MCS6)

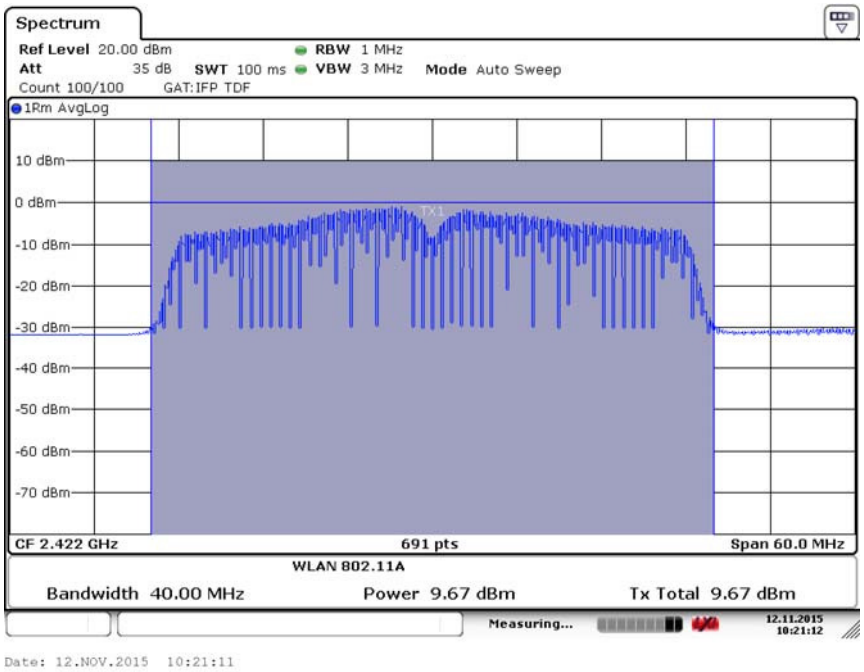

Fig.82 Maximum Average Output Power (802.11n-40MHz, Ch 3,MCS7)

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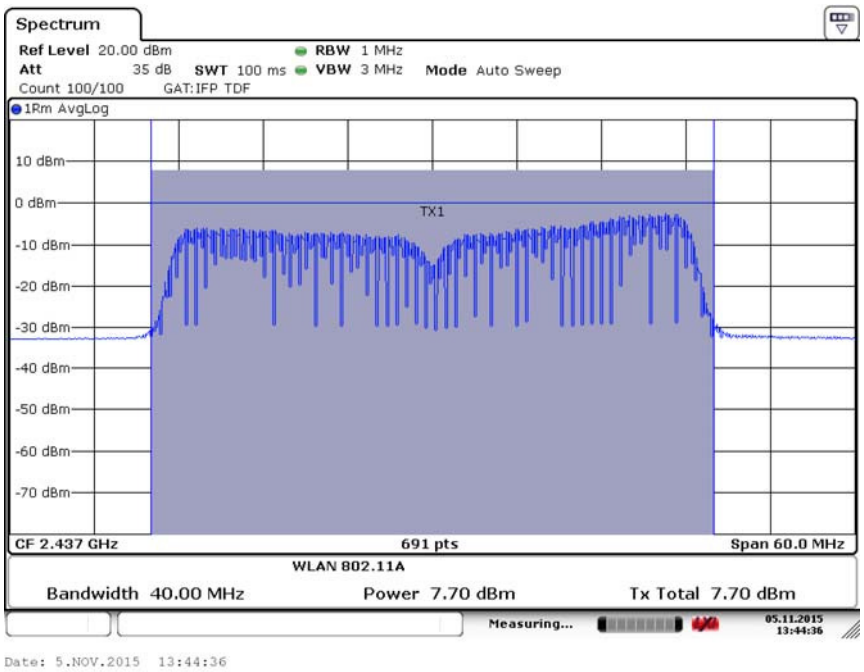

Fig.83 Maximum Average Output Power (802.11n-40MHz, Ch 6,MCS7)

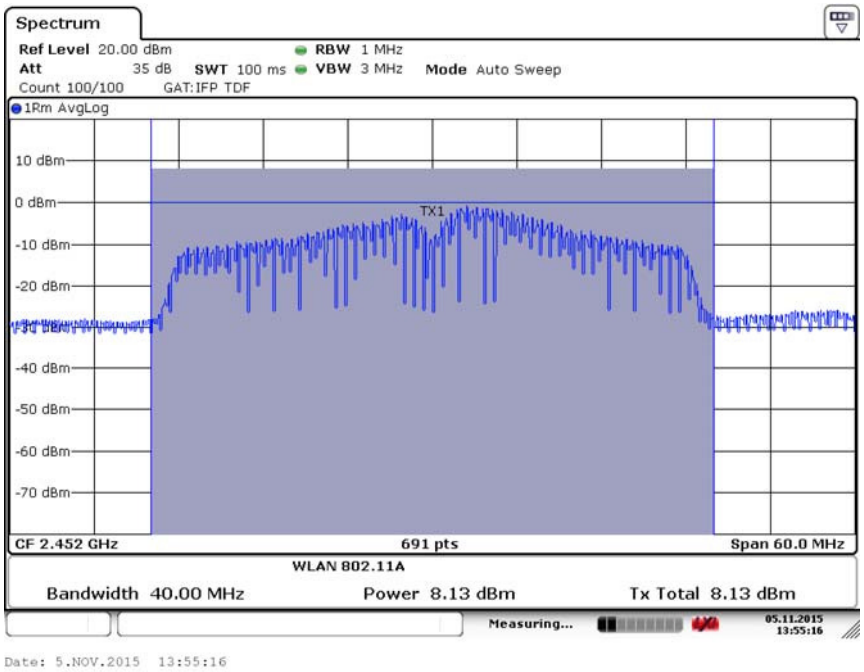

Fig.84 Maximum Average Output Power (802.11n-40MHz, Ch 9,MCS7)

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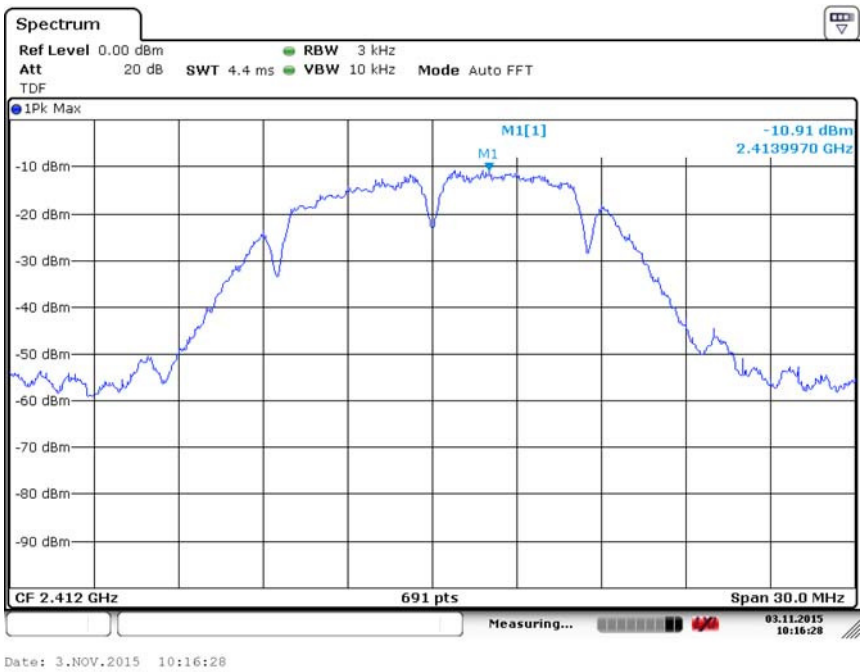

Fig.85 Power Spectral Density (802.11b, Ch 1)

Fig.86 Power Spectral Density (802.11b, Ch 6)

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Fig.87 Power Spectral Density (802.11b, Ch 11)

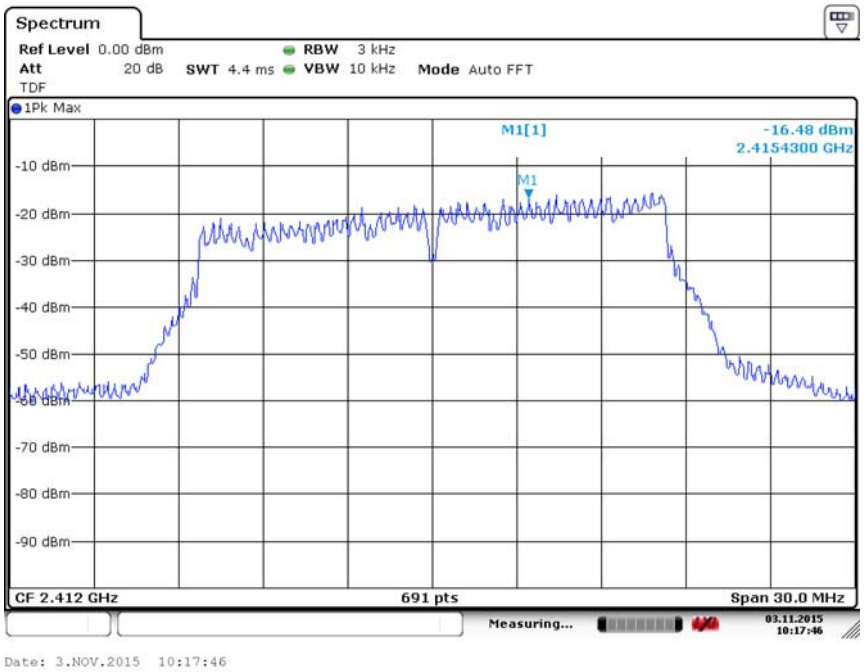

Fig.88 Power Spectral Density (802.11g, Ch 1)

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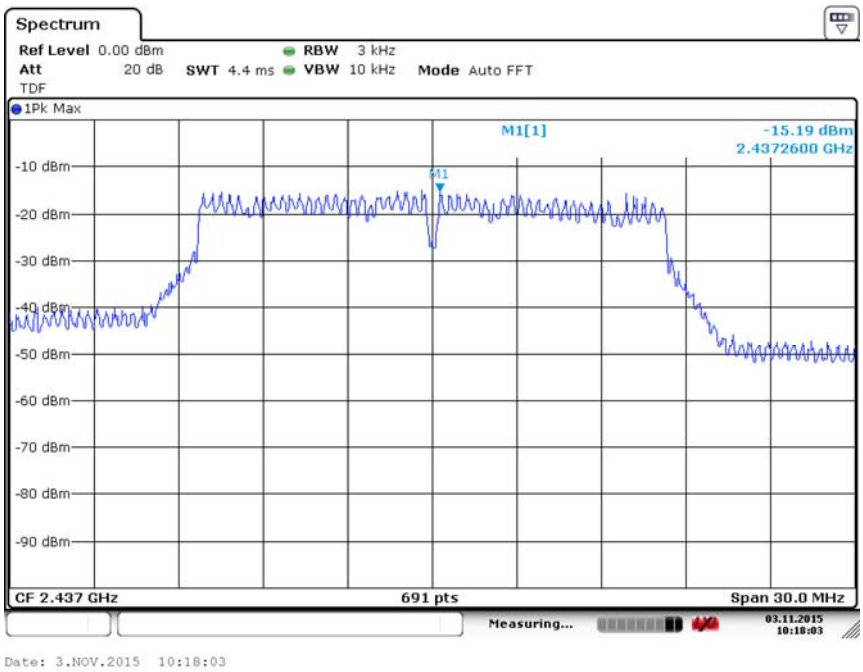

Fig.89 Power Spectral Density (802.11g, Ch 6)

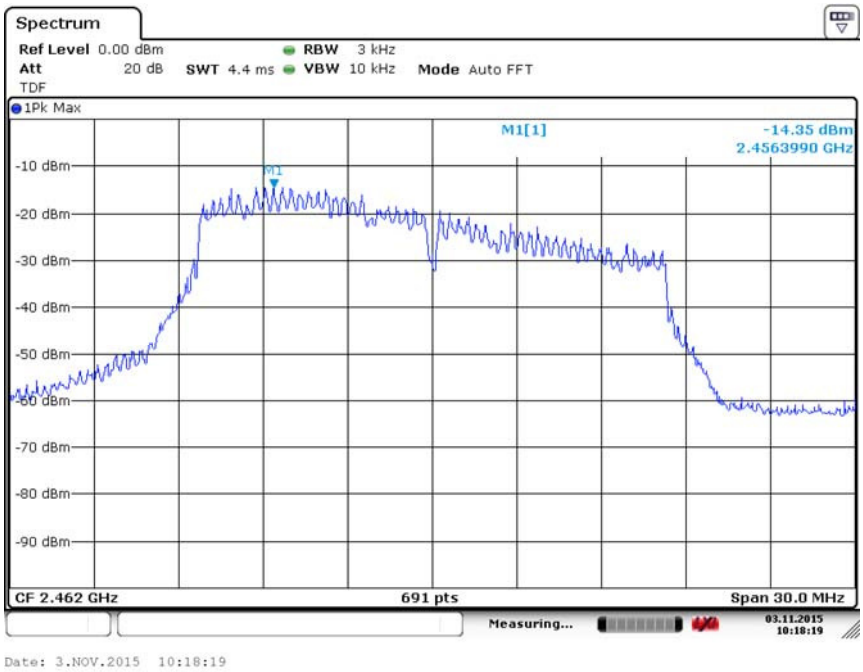

Fig.90 Power Spectral Density (802.11g, Ch 11)

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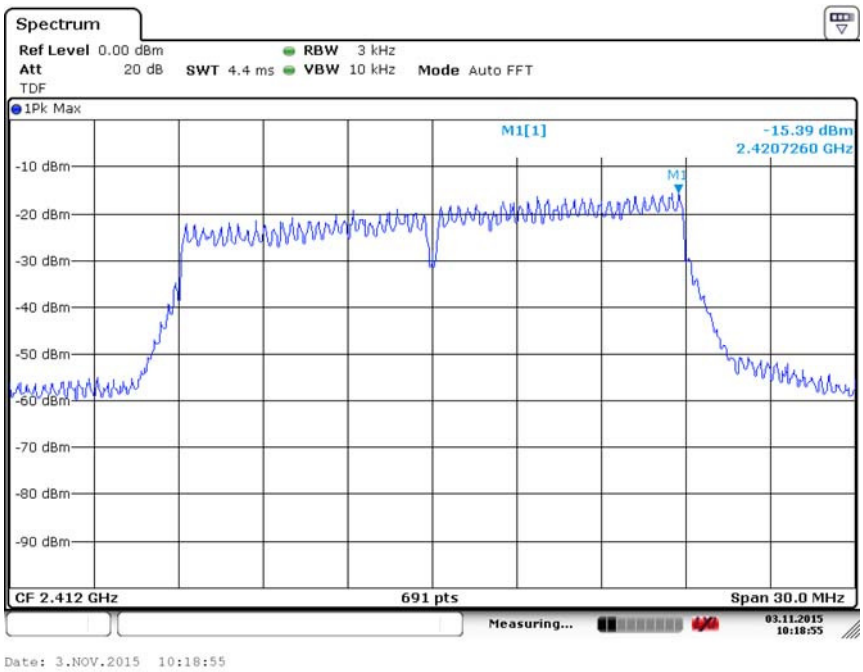

Fig.91 Power Spectral Density (802.11n-20MHz, Ch 1)

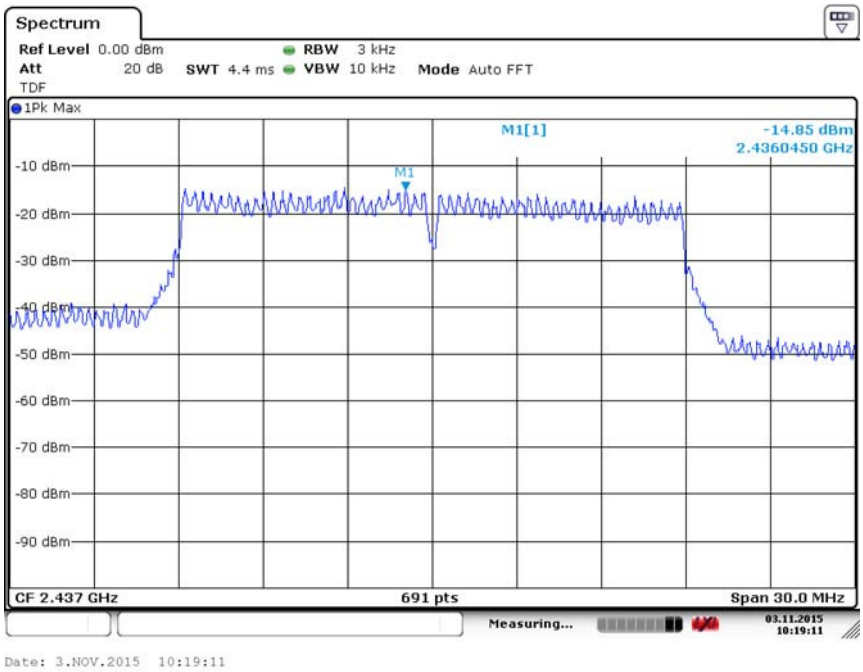

Fig.92 Power Spectral Density (802.11n-20MHz, Ch 6)

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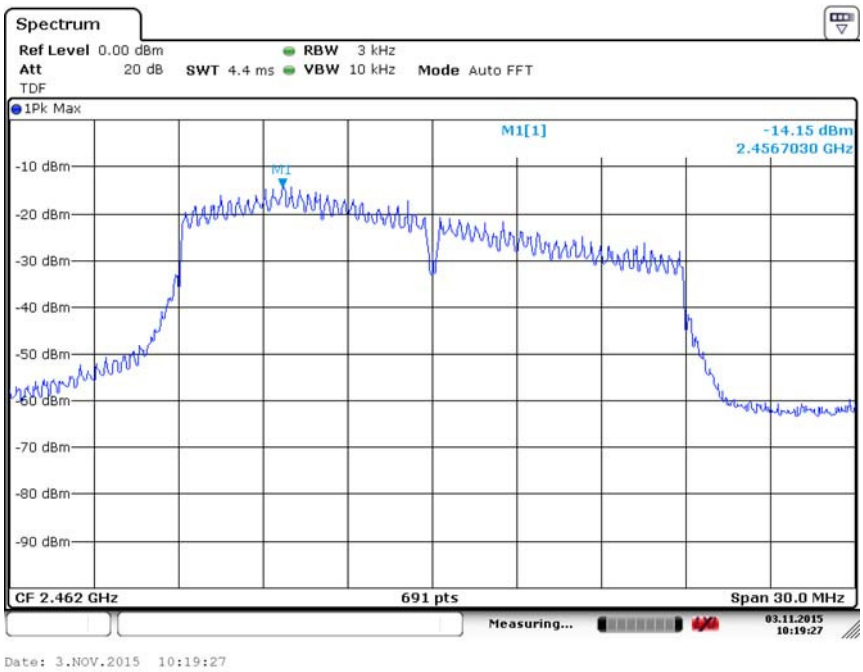

Fig.93 Power Spectral Density (802.11n-20MHz, Ch 11)

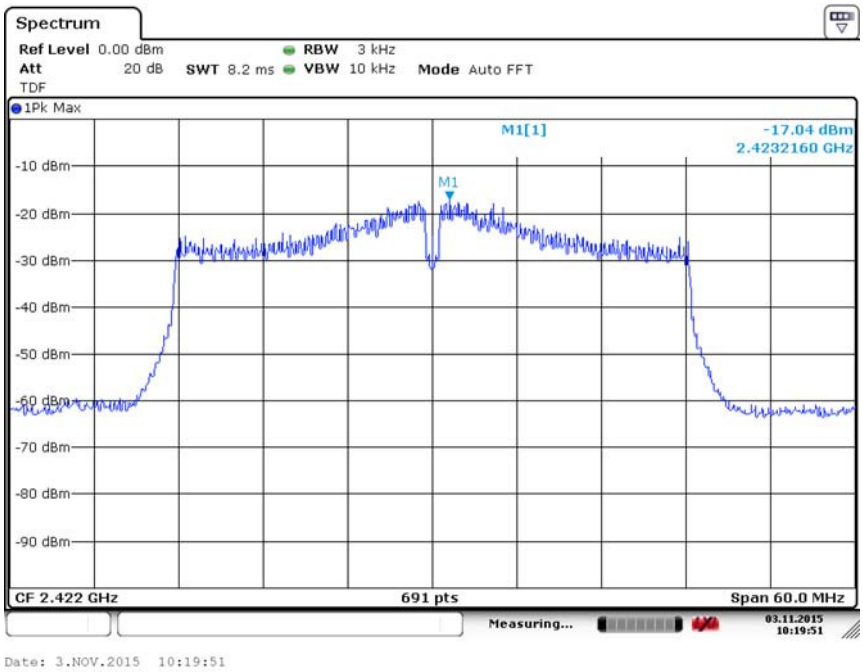

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Fig.94 Power Spectral Density (802.11n-40MHz, Ch 3)

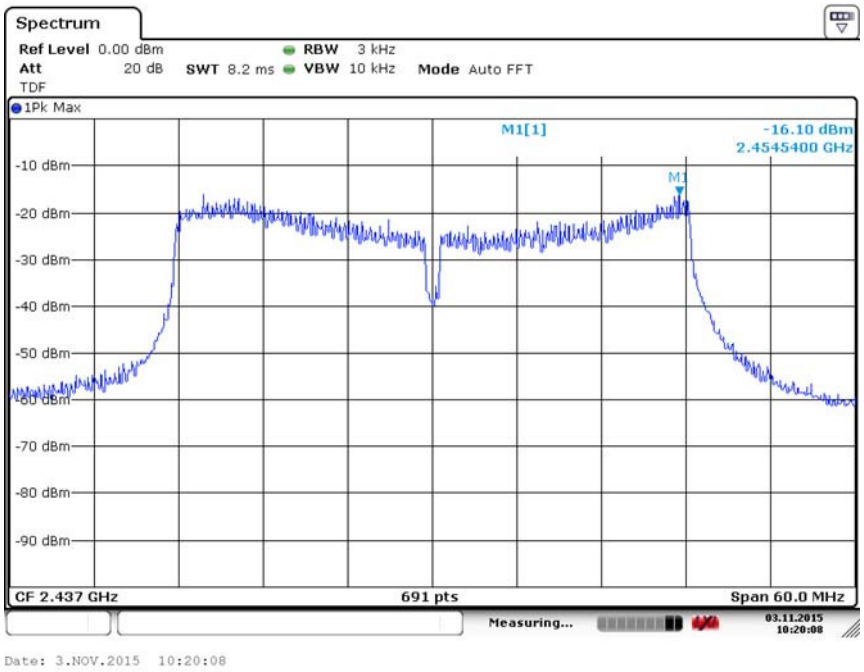

Fig.95 Power Spectral Density (802.11n-40MHz, Ch 6)

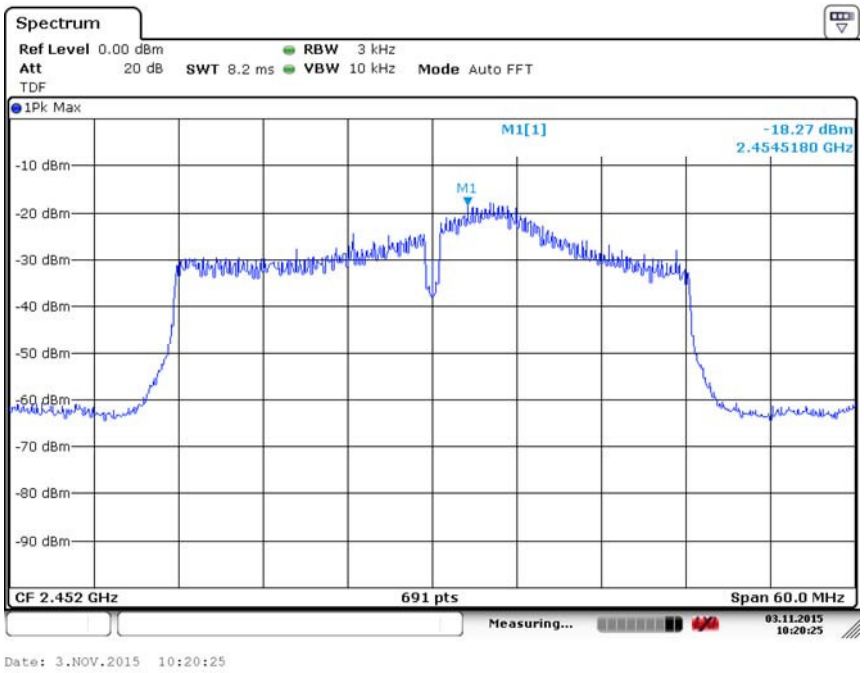

Fig.96 Power Spectral Density (802.11n-40MHz, Ch 9)

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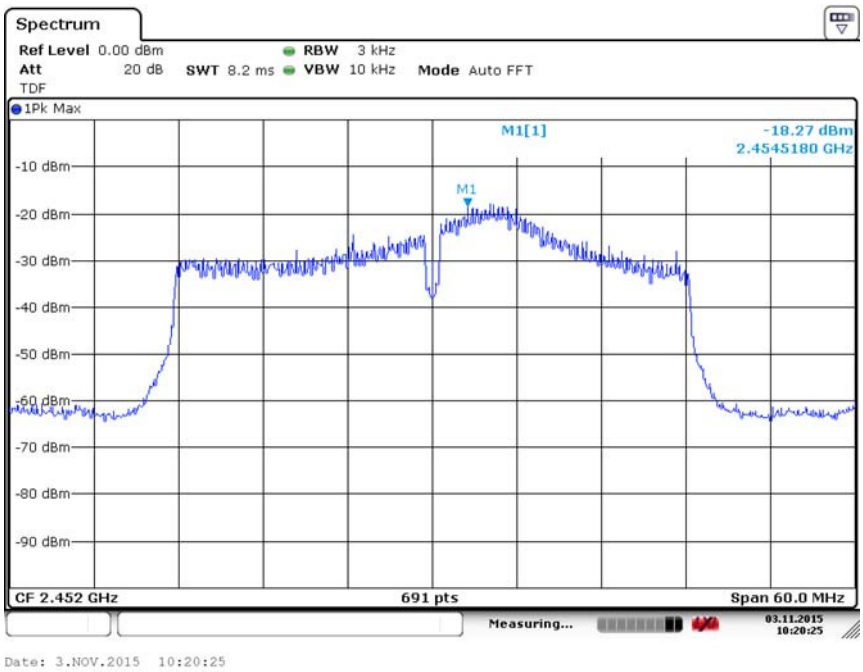

Fig.97 Occupied 6dB Bandwidth (802.11b, Ch 1)

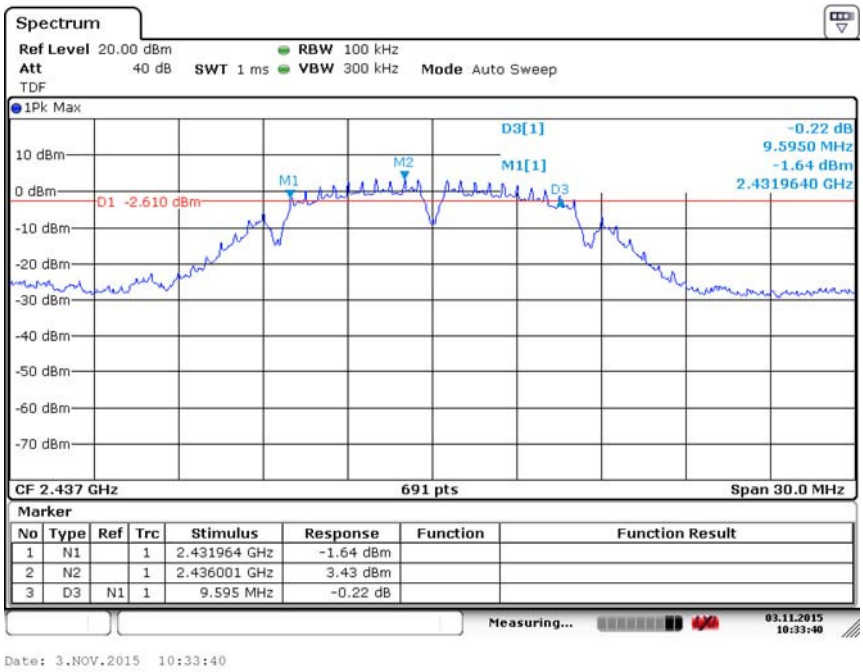

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Fig.98 Occupied 6dB Bandwidth (802.11b, Ch 6)

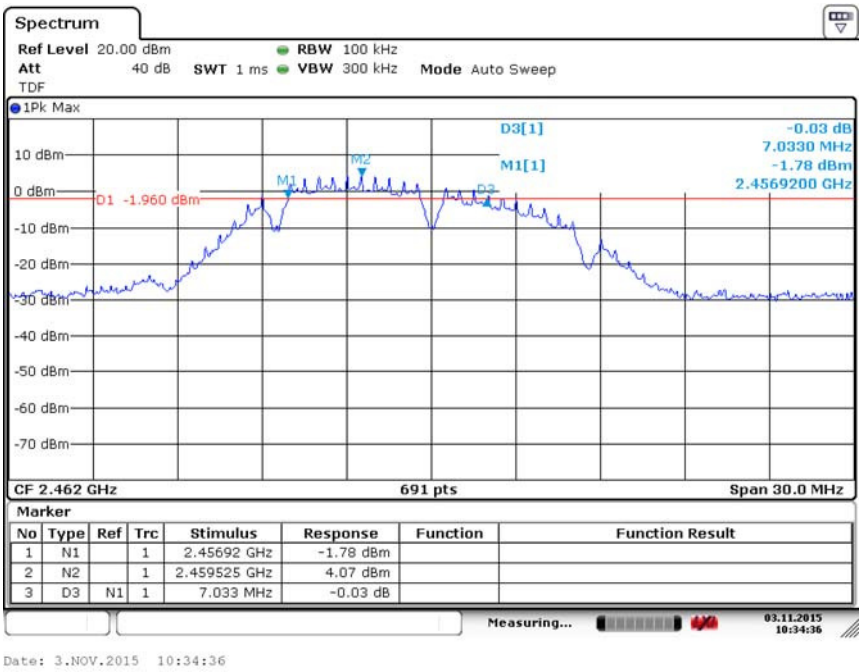
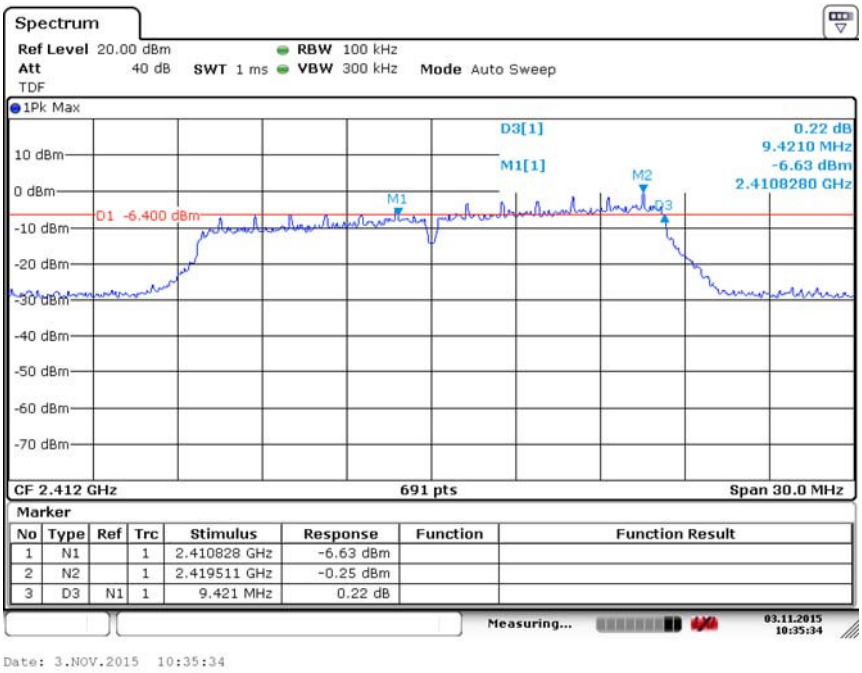


Fig.99 Occupied 6dB Bandwidth (802.11b, Ch 11)



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