

FCC Part 15C Compliance Test Report

Test Report no.:	FCC15CWLAN_RM-1105_14.docx	Date of Report:	30-Sep-2015
Number of pages:	87	Customer's Contact person:	Jari Rontu
Testing laboratory:	TCC Microsoft Salo Laboratory P.O.Box(86) Joensuunkatu 7E FIN-24101 SALO, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 71 80 44122	Customer:	Microsoft P.O.Box(86) Joensuunkatu 7E FIN-24101 SALO, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 71 80 44122
FCC listing no.:	533467		
IC recognition no.:	661V-1		
Tested devices/ accessories:	Phone RM-1105 / Dummy Battery SD-244R / Headset WH-308		
FCC ID:	PYARM-1105	IC:	661X-RM1105
Supplement reports:	-		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart C, ANSI C63.4 (2014), DTS procedures KDB 558074, IC standards, RSS-210 (Issue 8, December 2010). Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		
Documentation:	The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Microsoft.		
Test Results:	The EUT complies with the requirements in respect of all parameters subject to the test. The test results relate only to devices specified in this document		
Date and signature for the contents:			

Timo Raiskio, System Manager, EMC

1. Summary for FCC Part 15C Compliance Test Report

Date of receipt	15-Jun-2015
Testing completed	20-Aug-2015
The customer's contact person	Jari Rontu
Test Plan referred to	T:\Projects\RM-1104\TestPlan\RS_TestPlan_RM-1104.xlsm
Notes	-
Document name	T:\Projects\RM-1105\EMC\FCC15CWLAN_RM-1105_14.docx

1.1. EUT and Accessory Information

The EUT is a mobile phone with following features:

GSM/WCDMA/WLAN

The EUT is tested with maximum rated TX power.

Devices under tests

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-1104	004402742178886ö059X034	2012	-	01062.00000.15233.39000	100007
Dummy Battery	SD-244R	-	V.1	-	-	100021
Headset	WH-308	51251B1	-	-	-	100029

1.2. Summary of Test Results

WLAN:

Section in CFR 47	Section in RSS-GEN or RSS-210	Name of the test	Result
15.247(b)(1)	A8.4(4)	Conducted peak output power	PASSED
15.247(d), 15.205(b)	A8.5	Band edge compliance of RF emissions	-
15.247(d)	A8.5	Spurious RF conducted emissions	PASSED
15.247(d), 15.209	A8.5	Spurious radiated emissions	-
15.207	7.2.4	AC powerline conducted emissions	-
15.247(a)(2)	A8.2(a)	6dB(bandwidth)	PASSED
15.247(e)	A8.2(b)	Power spectral density	PASSED

The test results of RM-1104 are re-used for certification of the RM-1105. The table above indicates the results, which will be re-used.

PASSED
FAILED
NP

The EUT complies with the essential requirements in the standard.
The EUT does not comply with the essential requirements in the standard.
The test was not performed by the TCC Microsoft Laboratory.

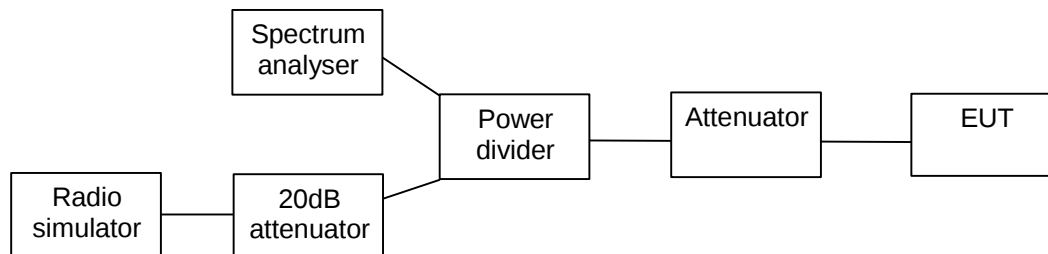
CONTENTS

1. Summary for FCC Part 15C Compliance Test Report.....	2
1.1. EUT and Accessory Information.....	2
1.2. Summary of Test Results	2
2. Conducted peak output power (FCC §15.247(b)(1), RSS-210 A8.4(4))	4
2.1. Test Setup	4
2.2. Test method and limit	4
2.3. Power results summary	5
2.4. WLAN Test results.....	7
3. Spurious RF conducted emissions (FCC §15.247(d), RSS-210 A8.5)	47
3.1. Test Setup	47
3.2. Test method and limit	47
3.3. WLAN Test results.....	48
4. 6dB(bandwidth) (FCC §15.247(a)(2), RSS-210 A8.2(a))	60
4.1. Test Setup	60
4.2. Test method and limit	60
4.3. WLAN Test results.....	61
5. Power spectral density (FCC §15.247(e), RSS-210 A8.2(b)).....	75
5.1. Test Setup	75
5.2. Test method and limit	75
5.3. WLAN Test results.....	76
6. Test Equipment.....	86
6.1. Conducted measurements	86
6.2. Radiated measurements	86

2. Conducted peak output power (FCC §15.247(b)(1), RSS-210 A8.4(4))

EUT with DUT number	RM-1104, DUT 100007
Accessories with DUT numbers	SD-244R, DUT 100021 ; WH-308, DUT 100029
Operation Voltage [V] / [Hz]	Nominal
Results	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.1
Date of measurements	22-Jun-2015
Measured by	Jari Keto

2.1. Test Setup



2.2. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

Limits for conducted peak output power measurements

Frequency range [MHz]	Limit [W]	Limit [dBm]
2400 – 2483.5 5725 - 5850	≤ 1	≤ 30

2.3. Power results summary

Channel / f _c [MHz]	Mode	Modulation	Data rate	Level [dBm]
6 / 2437	802.11b MAIN	BPSK	1 Mbps	18.82
6 / 2437	802.11b MAIN	QPSK	2 Mbps	19.11
6 / 2437	802.11b MAIN	QPSK	5.5 Mbps	20.35
6 / 2437	802.11b MAIN	QPSK	11 Mbps	21.85
6 / 2437	802.11b MAIN	BPSK	6 Mbps	23.1
6 / 2437	802.11g MAIN	BPSK	9 Mbps	23.15
6 / 2437	802.11g MAIN	QPSK	12 Mbps	22.93
6 / 2437	802.11g MAIN	QPSK	18 Mbps	22.87
6 / 2437	802.11g MAIN	16QAM	24 Mbps	23.98
6 / 2437	802.11g MAIN	16QAM	36 Mbps	23.82
6 / 2437	802.11g MAIN	16QAM	48 Mbps	22.89
6 / 2437	802.11g MAIN	16QAM	54 Mbps	23.16
6 / 2437	802.11n MAIN	BPSK	6.5 / 7.25 Mbps	23.09
6 / 2437	802.11n MAIN	QPSK	13.0 / 14.4 Mbps	22.61
6 / 2437	802.11n MAIN	QPSK	19.5 / 21.7 Mbps	22.75
6 / 2437	802.11n MAIN	16QAM	26.0 / 28.9 Mbps	22.71
6 / 2437	802.11n MAIN	16QAM	39.0 / 43.3 Mbps	22.77
6 / 2437	802.11n MAIN	64QAM	52.0 / 57.8 Mbps	22.74
6 / 2437	802.11n MAIN	64QAM	58.5 / 65.0 Mbps	22.82
6 / 2437	802.11n MAIN	64QAM	65.0 / 72.2 Mbps	22.77
4-8 / 2437	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	21.67
4-8 / 2437	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	21.42
4-8 / 2437	802.11n MAIN	QPSK	40.5 / 45.0 Mbps	21.47
4-8 / 2437	802.11n MAIN	16QAM	54.0 / 60.0 Mbps	20.97
4-8 / 2437	802.11n MAIN	16QAM	81.0 / 90.0 Mbps	20.98
4-8 / 2437	802.11n MAIN	64QAM	108.0 / 120.0 Mbps	21.23
4-8 / 2437	802.11n MAIN	64QAM	121.5 / 135.0 Mbps	21.12
4-8 / 2437	802.11n MAIN	64QAM	135.0 / 150.0 Mbps	21.02
6 / 2437	802.11b AUX	BPSK	1 Mbps	16.81
6 / 2437	802.11b AUX	QPSK	2 Mbps	17.17
6 / 2437	802.11b AUX	QPSK	5.5 Mbps	18.56
6 / 2437	802.11b AUX	QPSK	11 Mbps	19.97
6 / 2437	802.11g AUX	BPSK	6 Mbps	20.99
6 / 2437	802.11g AUX	BPSK	9 Mbps	21.09
6 / 2437	802.11g AUX	QPSK	12 Mbps	20.85
6 / 2437	802.11g AUX	QPSK	18 Mbps	20.9
6 / 2437	802.11g AUX	16QAM	24 Mbps	21.8
6 / 2437	802.11g AUX	16QAM	36 Mbps	21.7
6 / 2437	802.11g AUX	16QAM	48 Mbps	20.83
6 / 2437	802.11g AUX	16QAM	54 Mbps	20.97
6 / 2437	802.11n AUX	BPSK	6.5 / 7.25 Mbps	21.02
6 / 2437	802.11n AUX	QPSK	13.0 / 14.4 Mbps	20.58
6 / 2437	802.11n AUX	QPSK	19.5 / 21.7 Mbps	20.77
6 / 2437	802.11n AUX	16QAM	26.0 / 28.9 Mbps	20.58
6 / 2437	802.11n AUX	16QAM	39.0 / 43.3 Mbps	20.65
6 / 2437	802.11n AUX	64QAM	52.0 / 57.8 Mbps	20.71

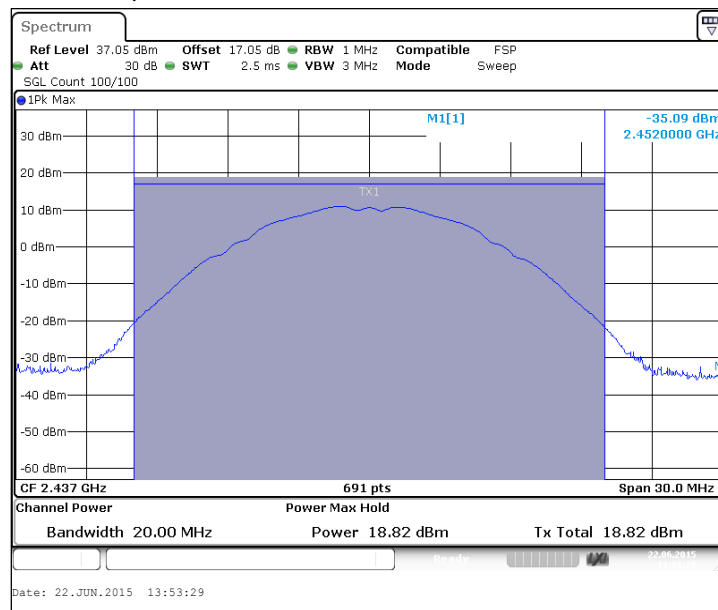
6 / 2437	802.11n AUX	64QAM	58.5 / 65.0 Mbps	20.76
6 / 2437	802.11n AUX	64QAM	65.0 / 72.2 Mbps	20.63
4-8 / 2437	802.11n AUX	BPSK	13.5 / 15.0 Mbps	20.11
4-8 / 2437	802.11n AUX	QPSK	27.0 / 30.0 Mbps	19.82
4-8 / 2437	802.11n AUX	QPSK	40.5 / 45.0 Mbps	19.76
4-8 / 2437	802.11n AUX	16QAM	54.0 / 60.0 Mbps	19.35
4-8 / 2437	802.11n AUX	16QAM	81.0 / 90.0 Mbps	19.37
4-8 / 2437	802.11n AUX	64QAM	108.0 / 120.0 Mbps	19.62
4-8 / 2437	802.11n AUX	64QAM	121.5 / 135.0 Mbps	19.53
4-8 / 2437	802.11n AUX	64QAM	135.0 / 150.0 Mbps	19.41
1 / 2412	802.11g MAIN	BPSK	9 Mbps	22.77
6 / 2437	802.11g MAIN	BPSK	9 Mbps	23.35
11 / 2462	802.11g MAIN	BPSK	9 Mbps	22.54
1 / 2412	802.11g MAIN	16QAM	24 Mbps	23.5
6 / 2437	802.11g MAIN	16QAM	24 Mbps	24.32
11 / 2462	802.11g MAIN	16QAM	24 Mbps	23.36
1 / 2412	802.11g AUX	BPSK	9 Mbps	20.61
6 / 2437	802.11g AUX	BPSK	9 Mbps	21.23
11 / 2462	802.11g AUX	BPSK	9 Mbps	20.8
1 / 2412	802.11g AUX	16QAM	24 Mbps	21.43
6 / 2437	802.11g AUX	16QAM	24 Mbps	22.19
11 / 2462	802.11g AUX	16QAM	24 Mbps	21.33
1-5 / 2422	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	21.82
7-11 / 2452	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	21.91
1-5 / 2422	802.11n MAIN	QPSK	40.5 / 45.0 Mbps	21.56
7-11 / 2452	802.11n MAIN	QPSK	40.5 / 45.0 Mbps	21.67
1-5 / 2422	802.11n AUX	BPSK	13.5 / 15.0 Mbps	20.06
7-11 / 2452	802.11n AUX	BPSK	13.5 / 15.0 Mbps	20.01
1-5 / 2422	802.11n AUX	QPSK	40.5 / 45.0 Mbps	19.81
7-11 / 2452	802.11n AUX	QPSK	40.5 / 45.0 Mbps	19.76

2.4. WLAN Test results

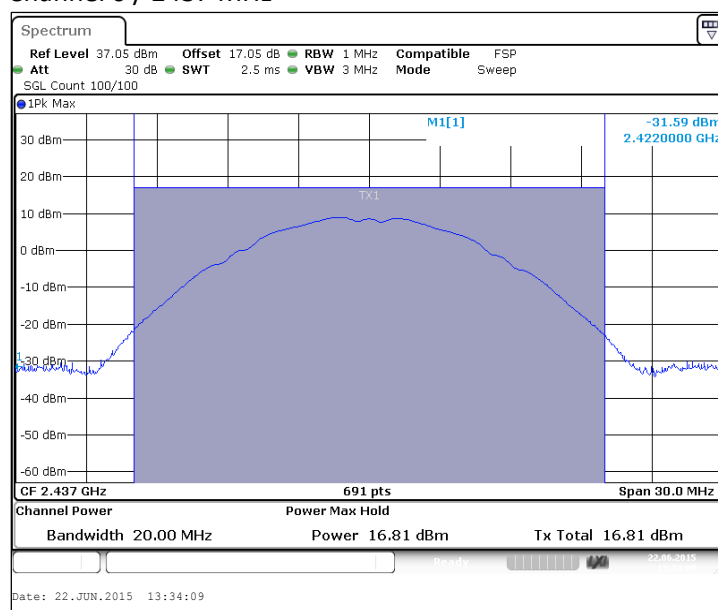
2.4.1 802.11b mode, BPSK modulation, 1 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	18.82	76.208	PASSED
6 / 2437 AUX	16.81	47.973	PASSED

Channel 6 / 2437 MHz



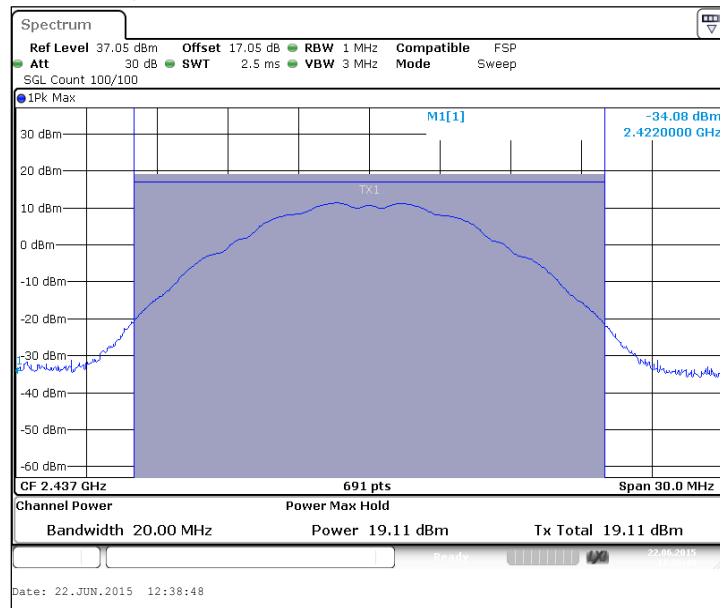
Channel 6 / 2437 MHz



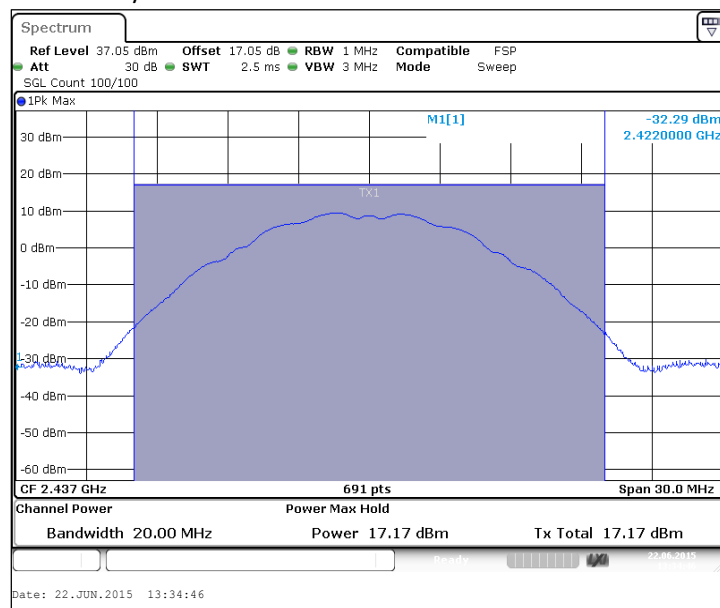
2.4.2 802.11b mode, QPSK modulation, 2 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	19.11	81.47	PASSED
6 / 2437 AUX	17.17	52.119	PASSED

Channel 6 / 2437 MHz



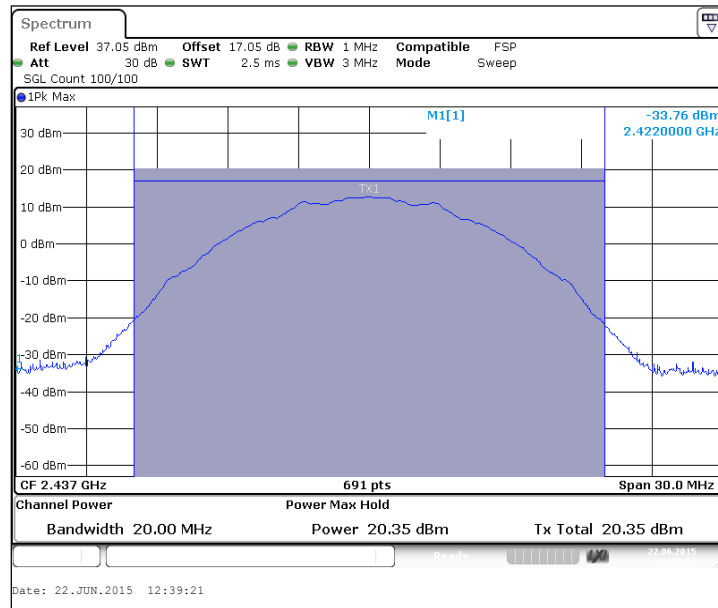
Channel 6 / 2437 MHz



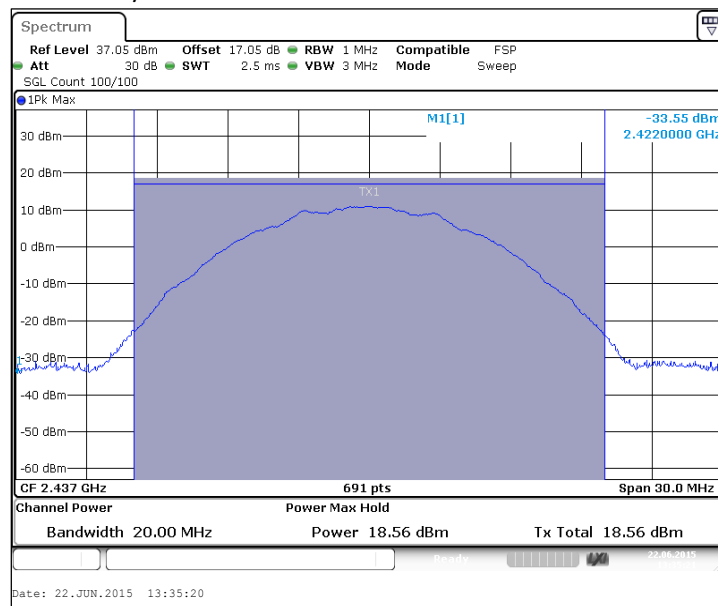
2.4.3 802.11b mode, QPSK modulation, 5.5 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	20.35	108.393	PASSED
6 / 2437 AUX	18.56	71.779	PASSED

Channel 6 / 2437 MHz



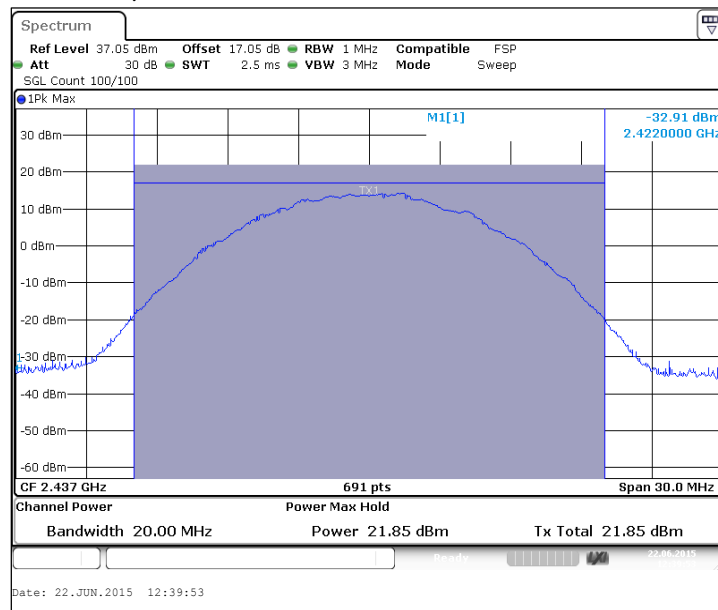
Channel 6 / 2437 MHz



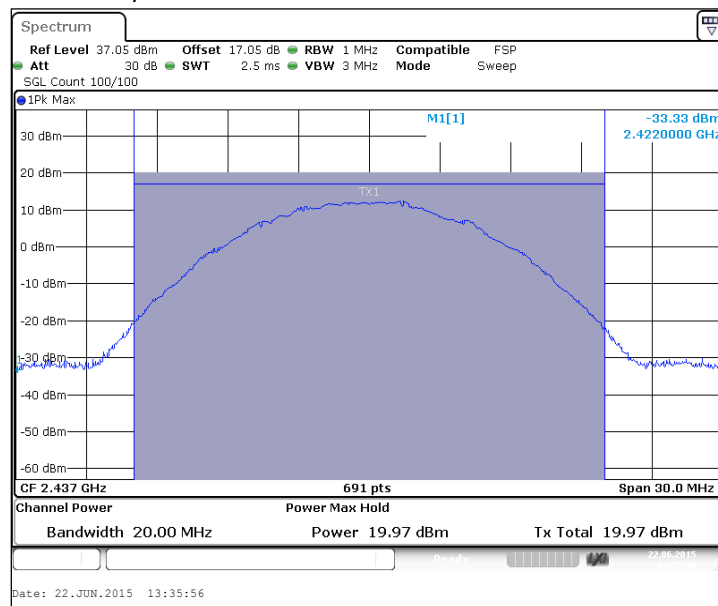
2.4.4 802.11b mode, QPSK modulation, 11 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	21.85	153.109	PASSED
6 / 2437 AUX	19.97	99.312	PASSED

Channel 6 / 2437 MHz



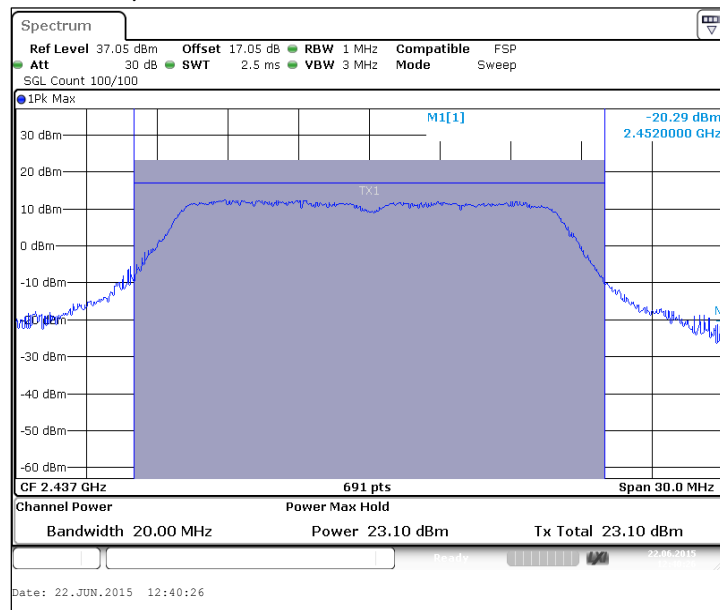
Channel 6 / 2437 MHz



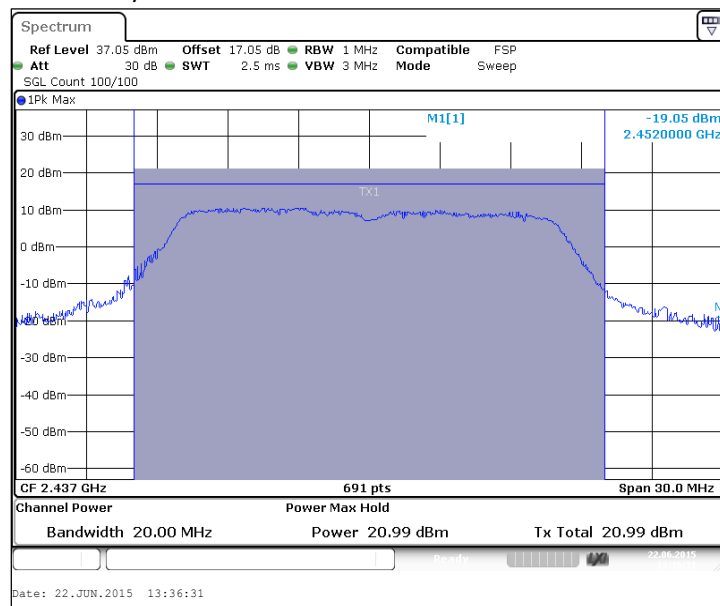
2.4.5 802.11g mode, BPSK modulation, 6 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	23.1	204.174	PASSED
6 / 2437 AUX	20.99	125.603	PASSED

Channel 6 / 2437 MHz



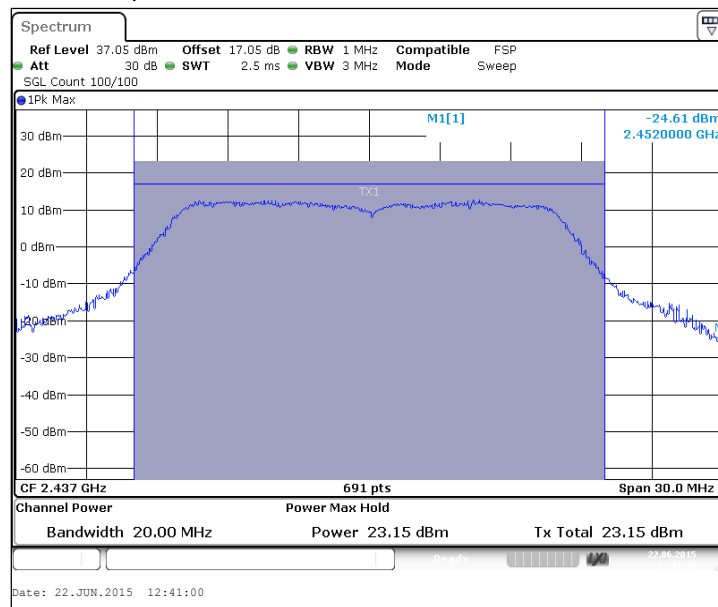
Channel 6 / 2437 MHz



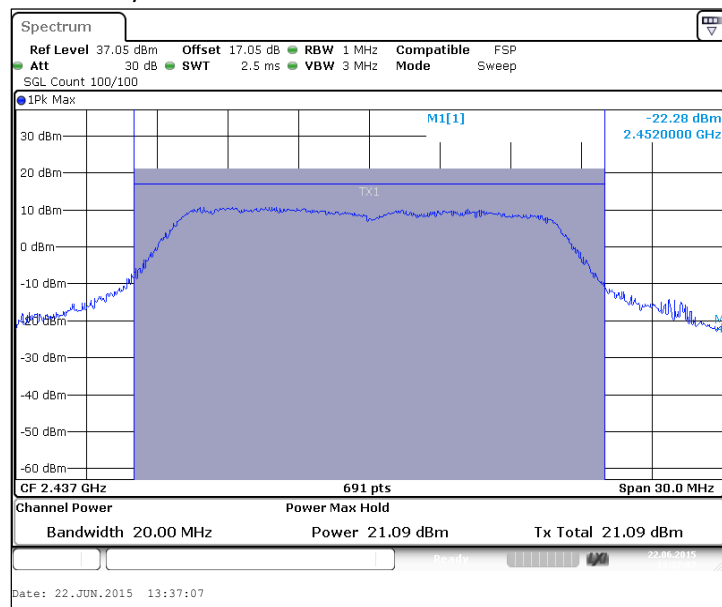
2.4.6 802.11g mode, BPSK modulation, 9 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	23.15	206.538	PASSED
6 / 2437 AUX	21.09	128.529	PASSED
1 / 2412 MAIN	22.77	189.234	PASSED
6 / 2437 MAIN	23.35	216.272	PASSED
11 / 2462 MAIN	22.54	179.473	PASSED
1 / 2412 AUX	20.61	115.08	PASSED
6 / 2437 AUX	21.23	132.739	PASSED
11 / 2462 AUX	20.8	120.226	PASSED

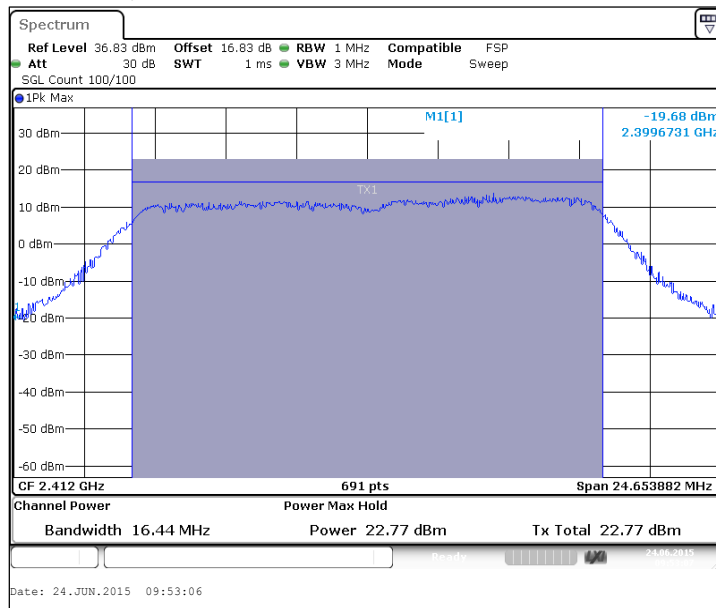
Channel 6 / 2437 MHz



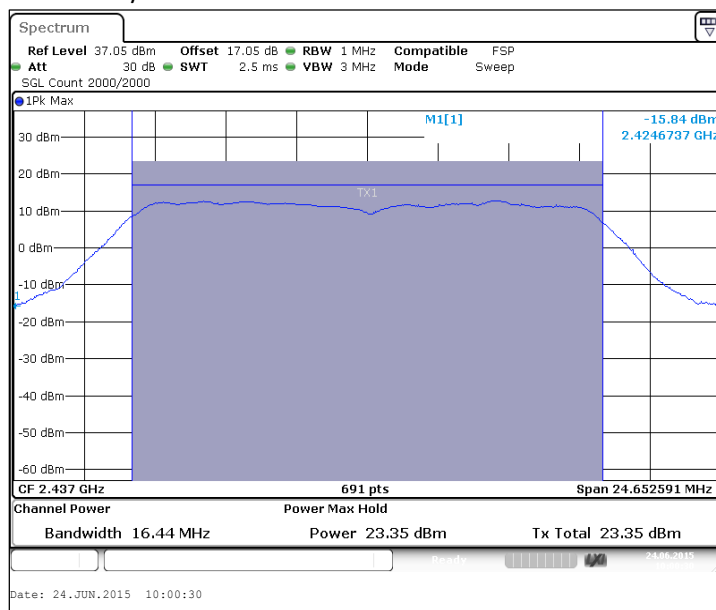
Channel 6 / 2437 MHz



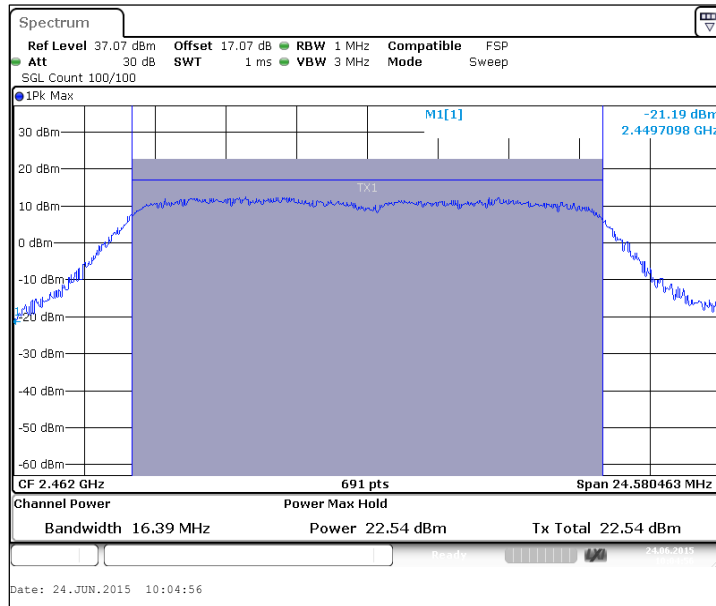
Channel 1 / 2412 MHz



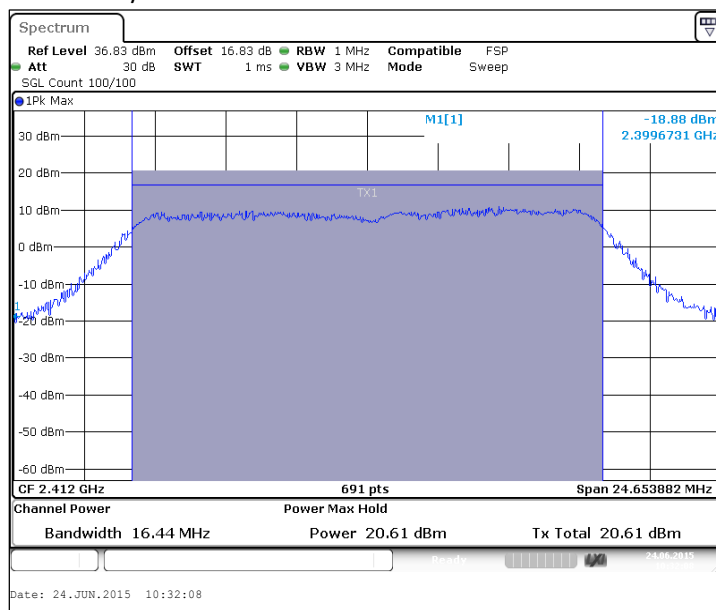
Channel 6 / 2437 MHz



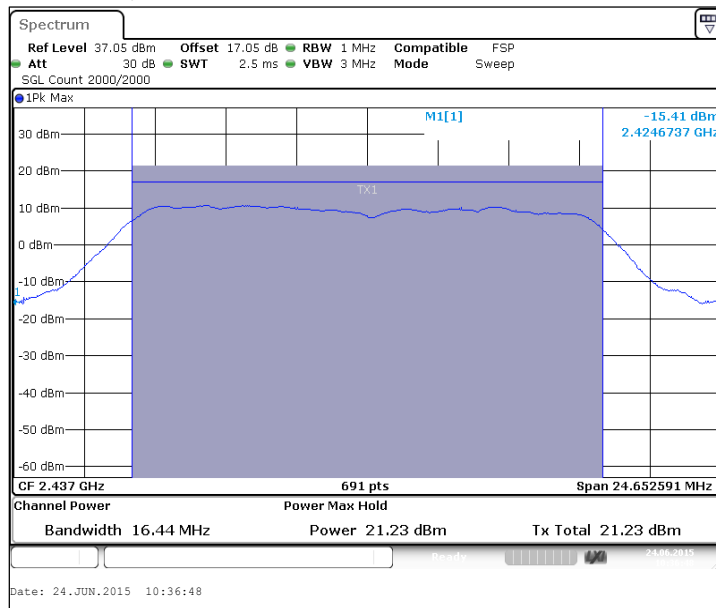
Channel 11 / 2462 MHz



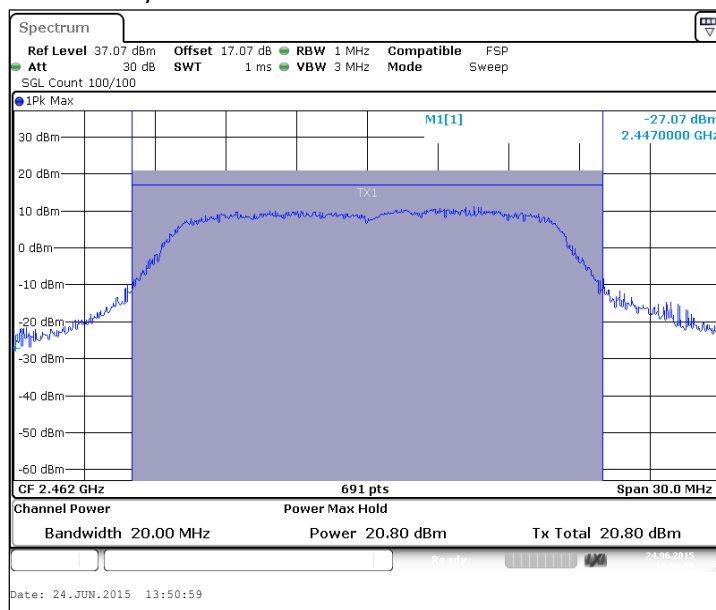
Channel 1 / 2412 MHz



Channel 6 / 2437 MHz



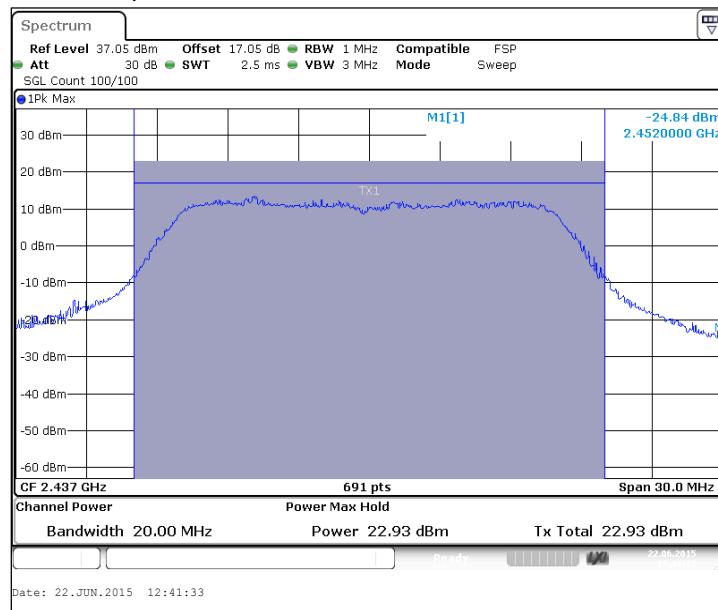
Channel 11 / 2462 MHz



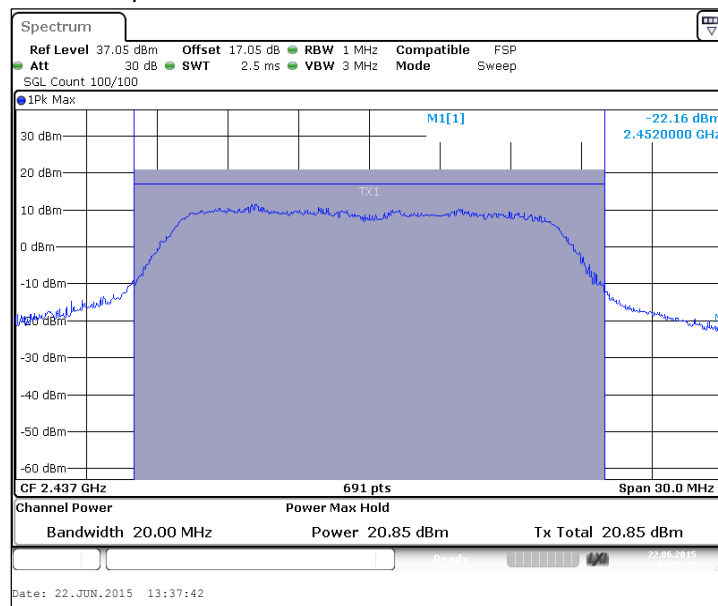
2.4.7 802.11g mode, QPSK modulation, 12 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.93	196.336	PASSED
6 / 2437 AUX	20.85	121.619	PASSED

Channel 6 / 2437 MHz



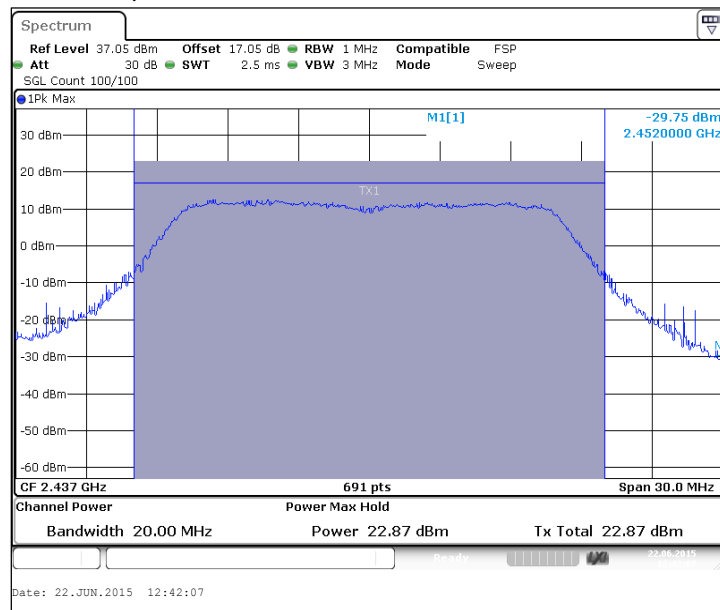
Channel 6 / 2437 MHz



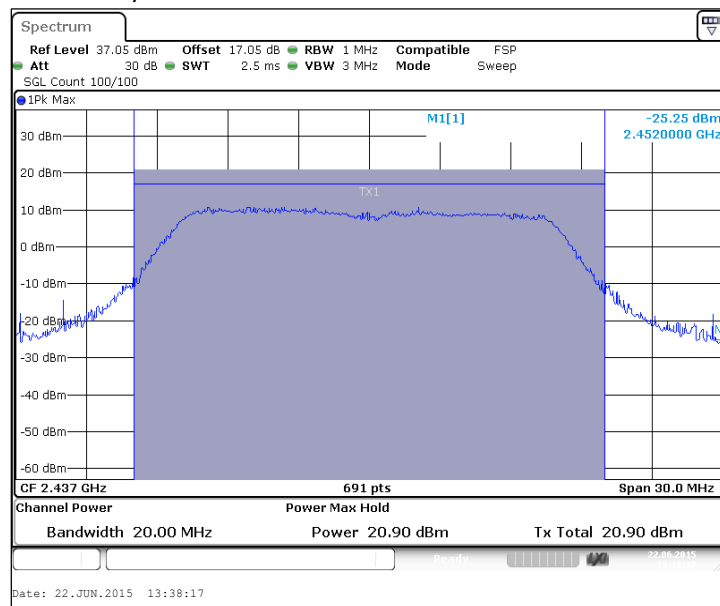
2.4.8 802.11g mode, QPSK modulation, 18 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.87	193.642	PASSED
6 / 2437 AUX	20.9	123.027	PASSED

Channel 6 / 2437 MHz



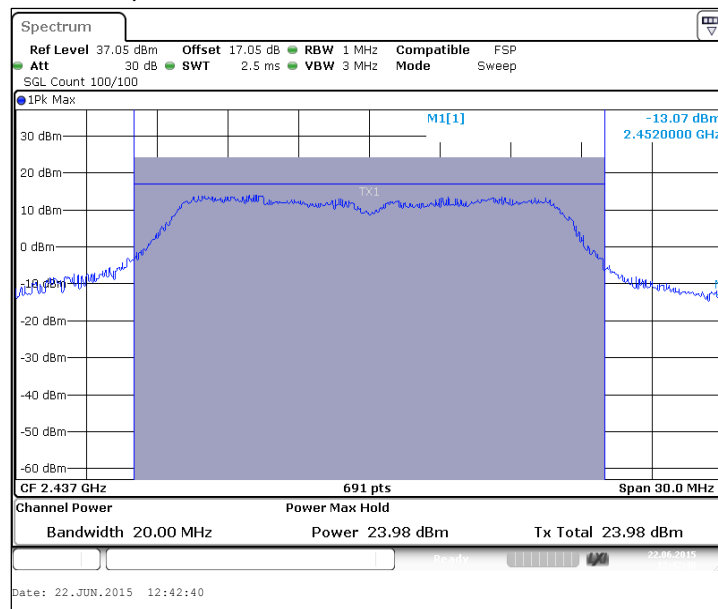
Channel 6 / 2437 MHz



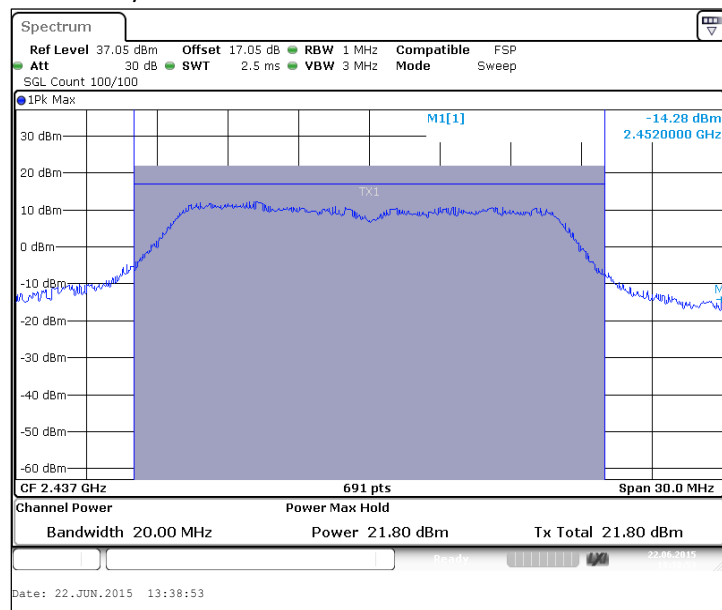
2.4.9 802.11g mode, 16QAM modulation, 24 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	23.98	250.035	PASSED
6 / 2437 AUX	21.8	151.356	PASSED
1 / 2412 MAIN	23.5	223.872	PASSED
6 / 2437 MAIN	24.32	270.396	PASSED
11 / 2462 MAIN	23.36	216.77	PASSED
1 / 2412 AUX	21.43	138.995	PASSED
6 / 2437 AUX	22.19	165.577	PASSED
11 / 2462 AUX	21.33	135.831	PASSED

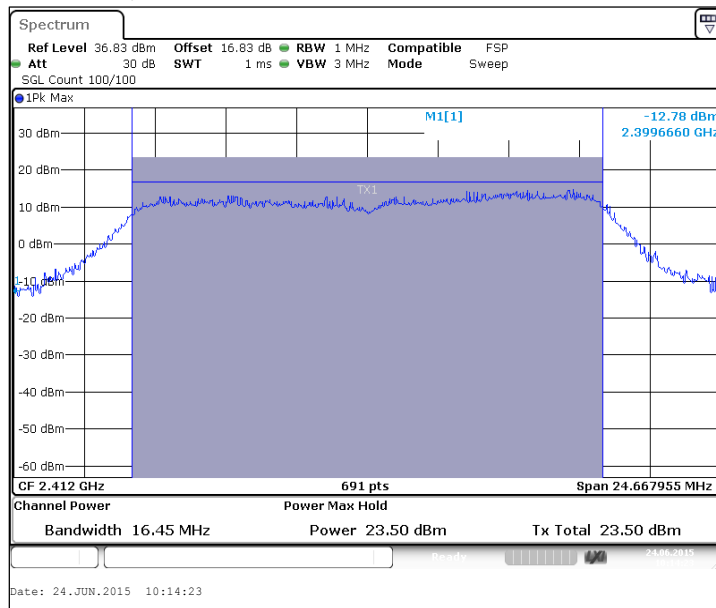
Channel 6 / 2437 MHz



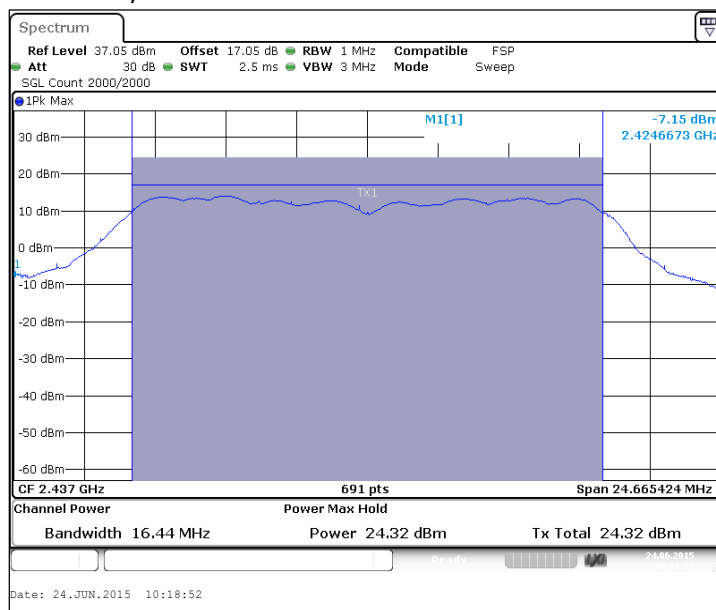
Channel 6 / 2437 MHz



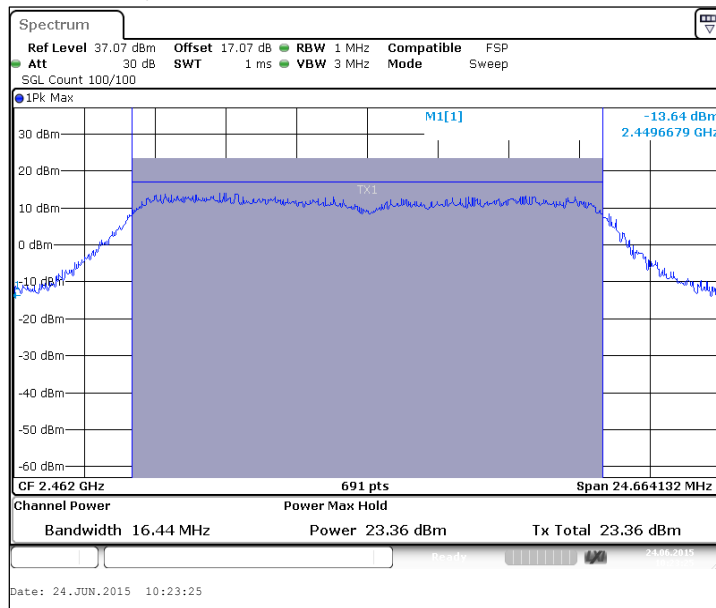
Channel 1 / 2412 MHz



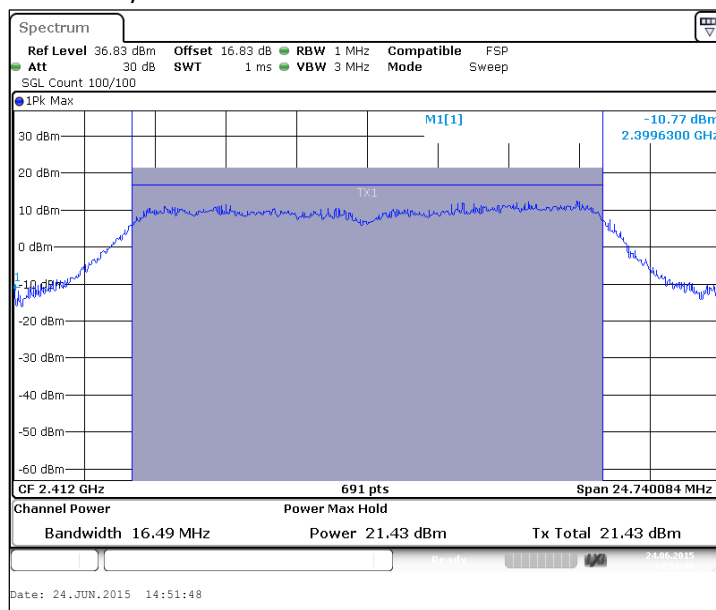
Channel 6 / 2437 MHz



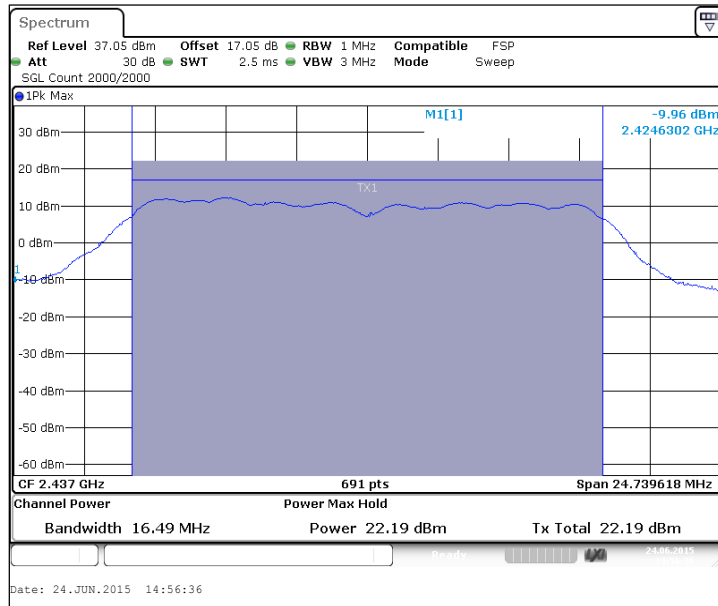
Channel 11 / 2462 MHz



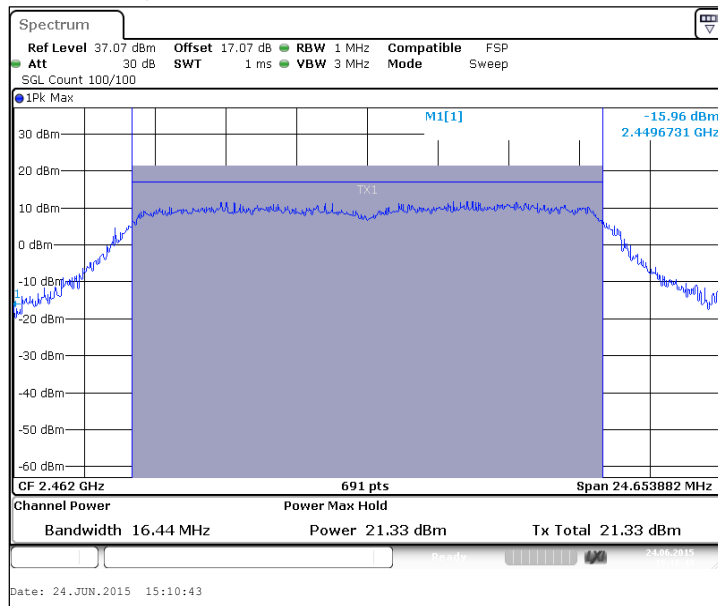
Channel 1 / 2412 MHz



Channel 6 / 2437 MHz



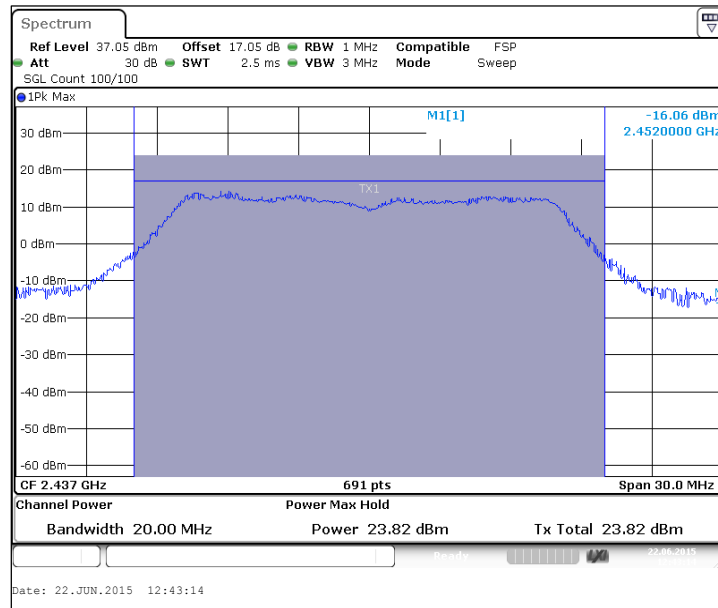
Channel 11 / 2462 MHz



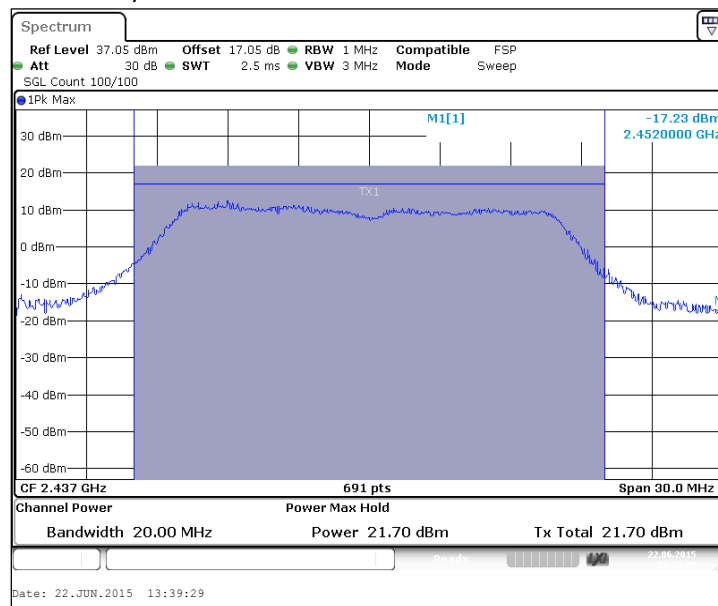
2.4.10 802.11g mode, 16QAM modulation, 36 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	23.82	240.991	PASSED
6 / 2437 AUX	21.7	147.911	PASSED

Channel 6 / 2437 MHz



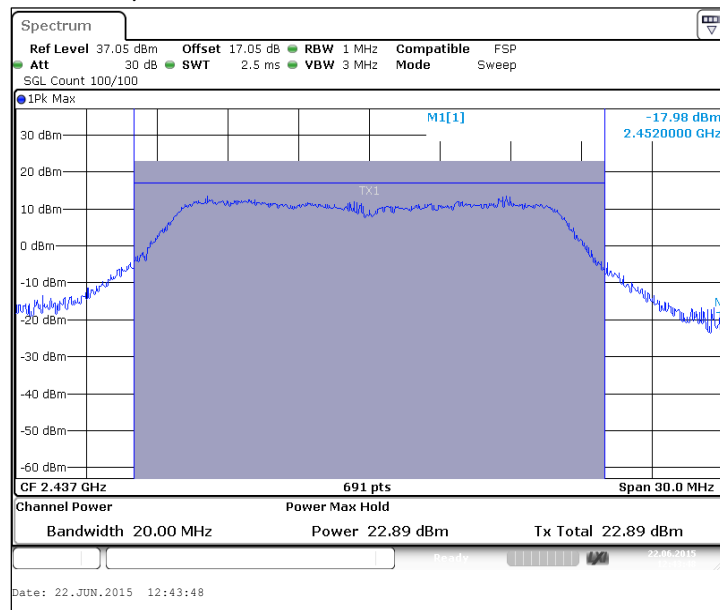
Channel 6 / 2437 MHz



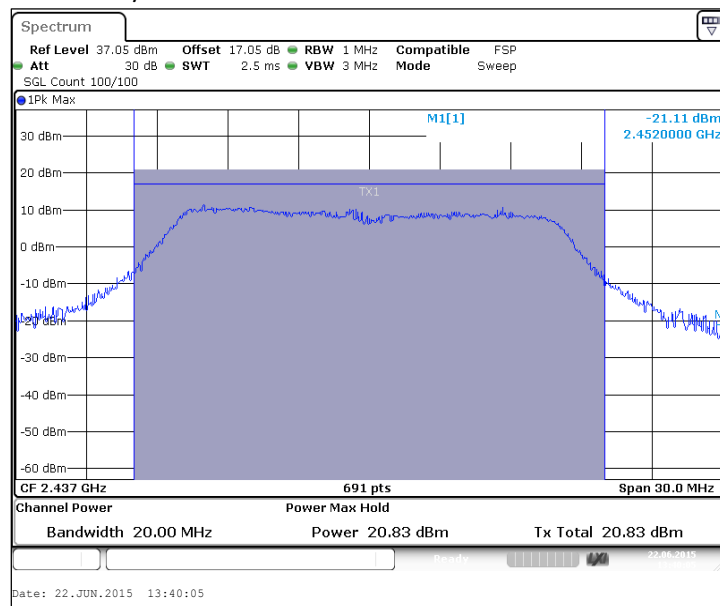
2.4.11 802.11g mode, 16QAM modulation, 48 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.89	194.536	PASSED
6 / 2437 AUX	20.83	121.06	PASSED

Channel 6 / 2437 MHz



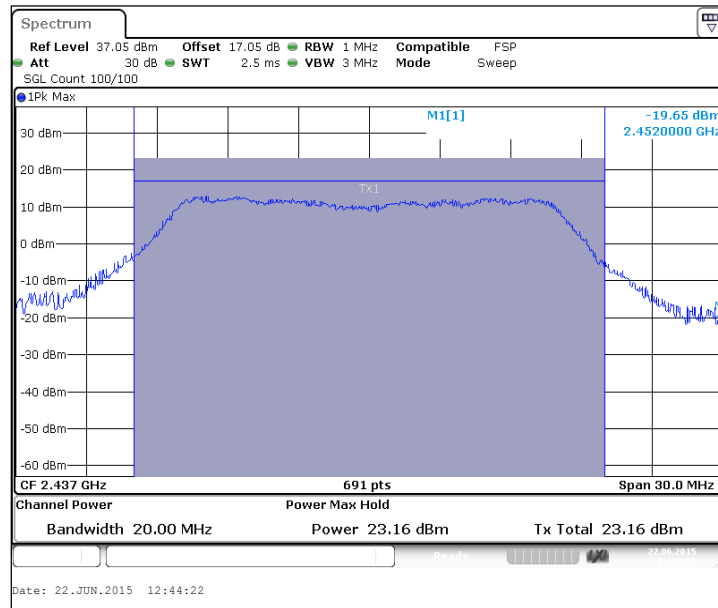
Channel 6 / 2437 MHz



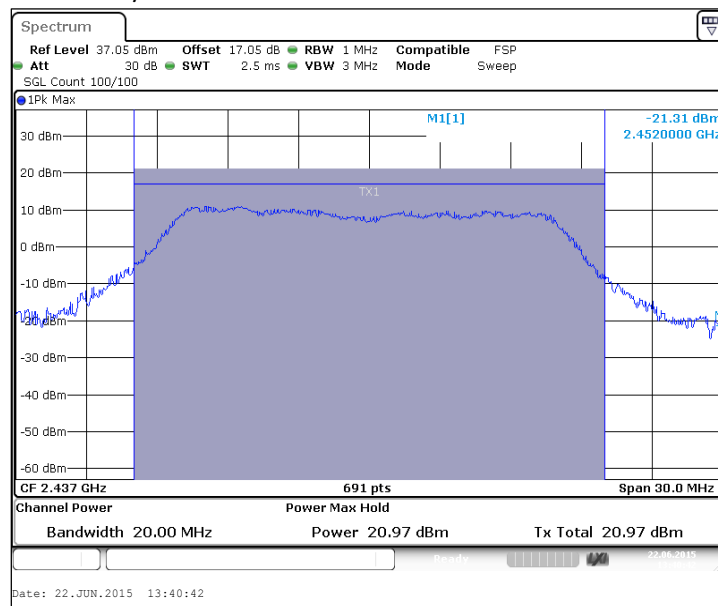
2.4.12 802.11g mode, 16QAM modulation, 54 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	23.16	207.014	PASSED
6 / 2437 AUX	20.97	125.026	PASSED

Channel 6 / 2437 MHz



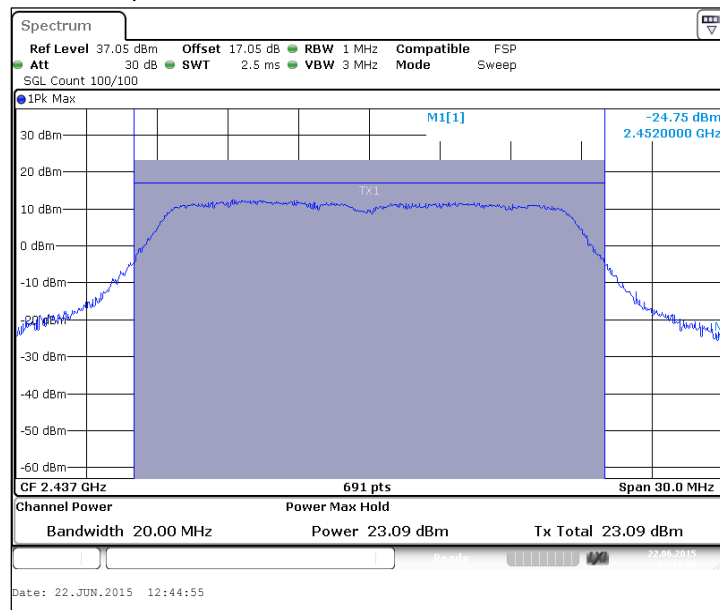
Channel 6 / 2437 MHz



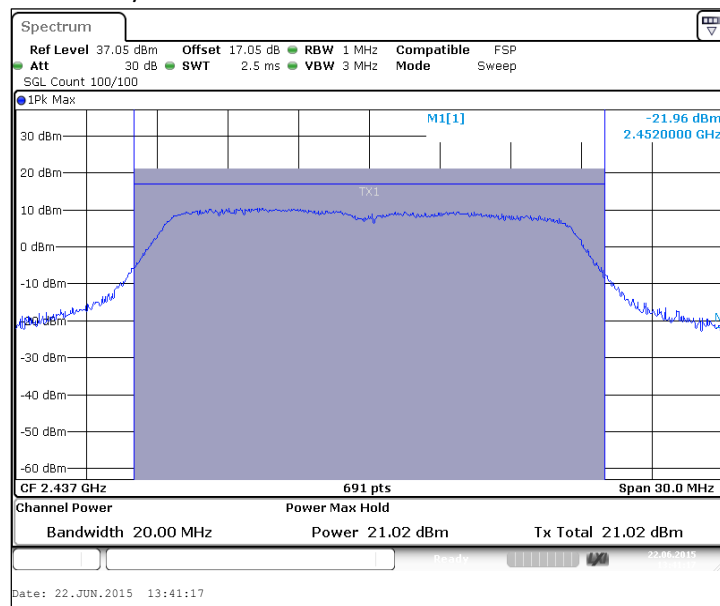
2.4.13 802.11n mode, BPSK modulation, 6.5 / 7.25 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	23.09	203.704	PASSED
6 / 2437 AUX	21.02	126.474	PASSED

Channel 6 / 2437 MHz



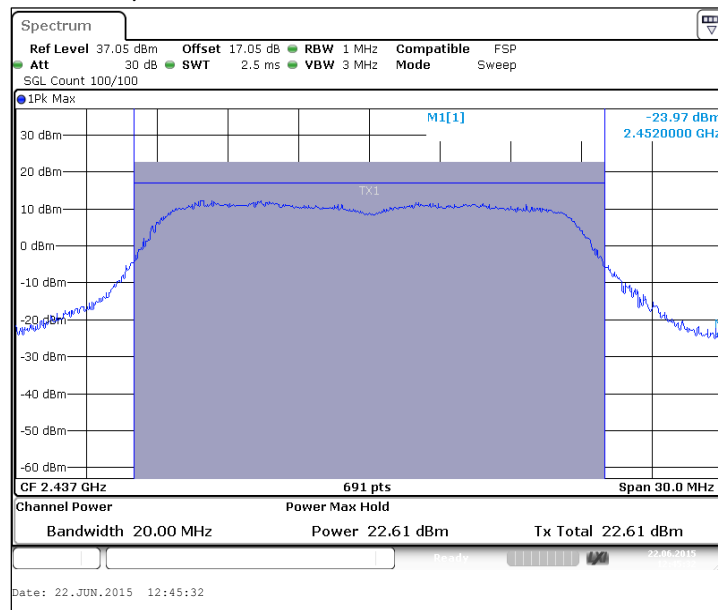
Channel 6 / 2437 MHz



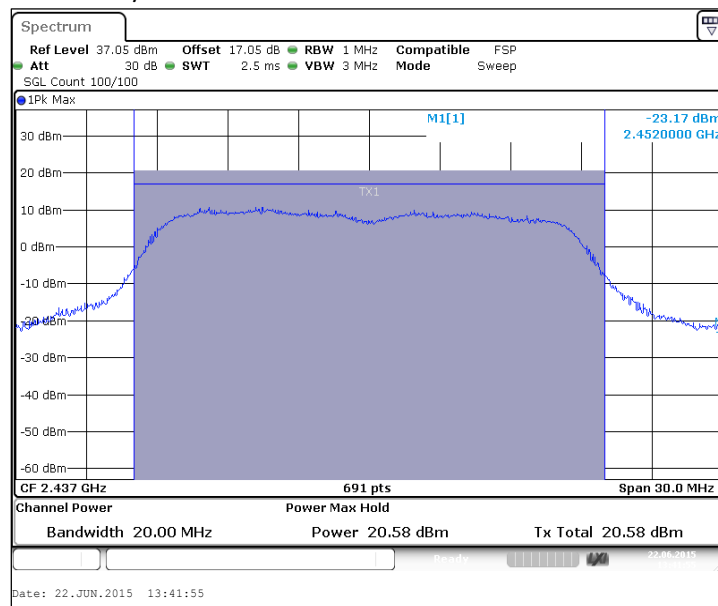
2.4.14 802.11n mode, QPSK modulation, 13.0 / 14.4 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.61	182.39	PASSED
6 / 2437 AUX	20.58	114.288	PASSED

Channel 6 / 2437 MHz



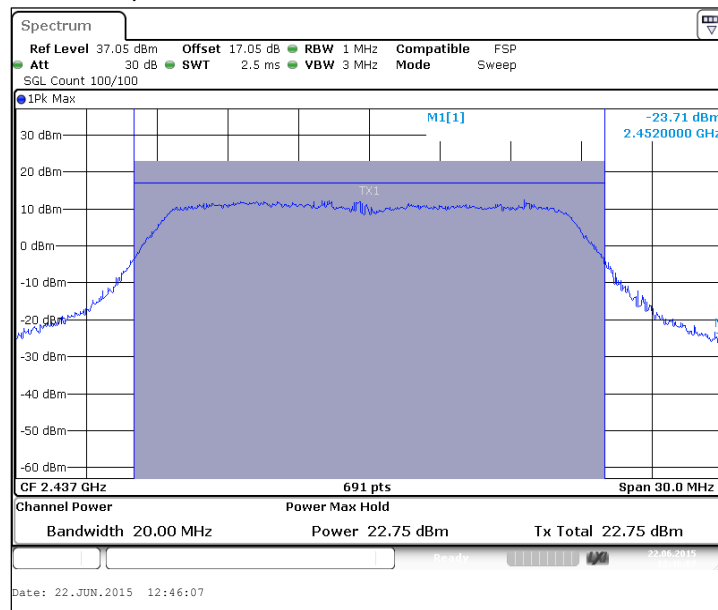
Channel 6 / 2437 MHz



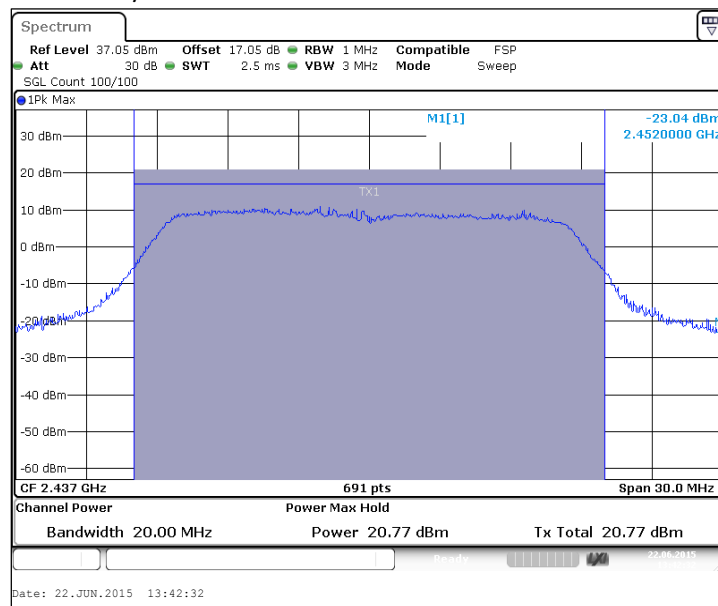
2.4.15 802.11n mode, QPSK modulation, 19.5 / 21.7 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.75	188.365	PASSED
6 / 2437 AUX	20.77	119.399	PASSED

Channel 6 / 2437 MHz



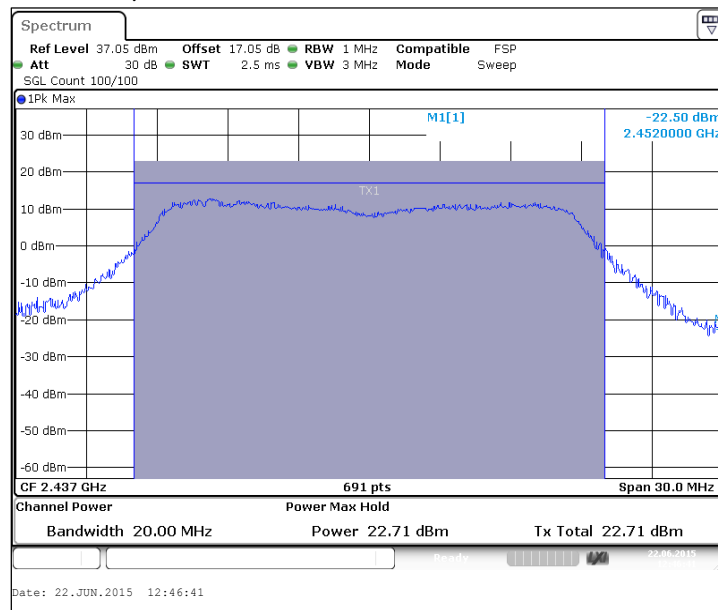
Channel 6 / 2437 MHz



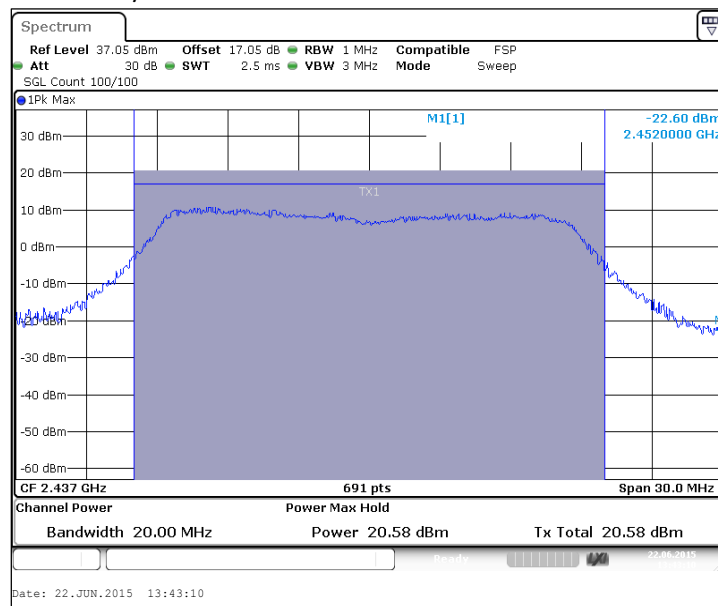
2.4.16 802.11n mode, 16QAM modulation, 26.0 / 28.9 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.71	186.638	PASSED
6 / 2437 AUX	20.58	114.288	PASSED

Channel 6 / 2437 MHz



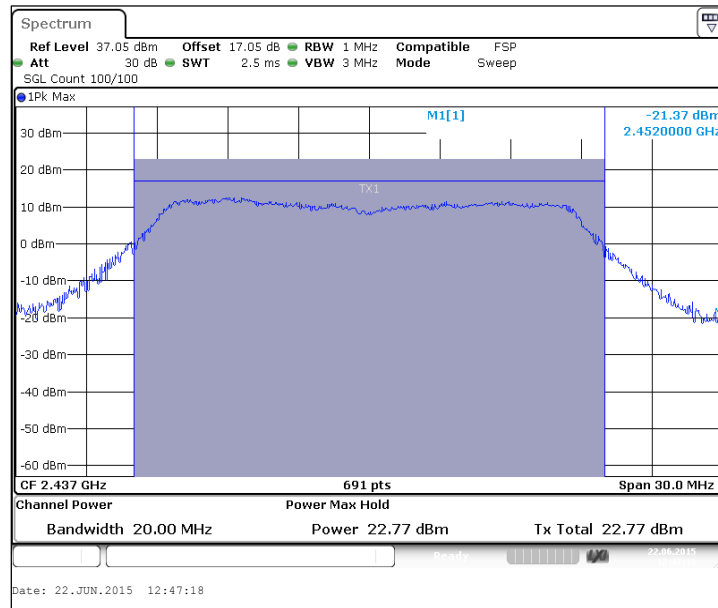
Channel 6 / 2437 MHz



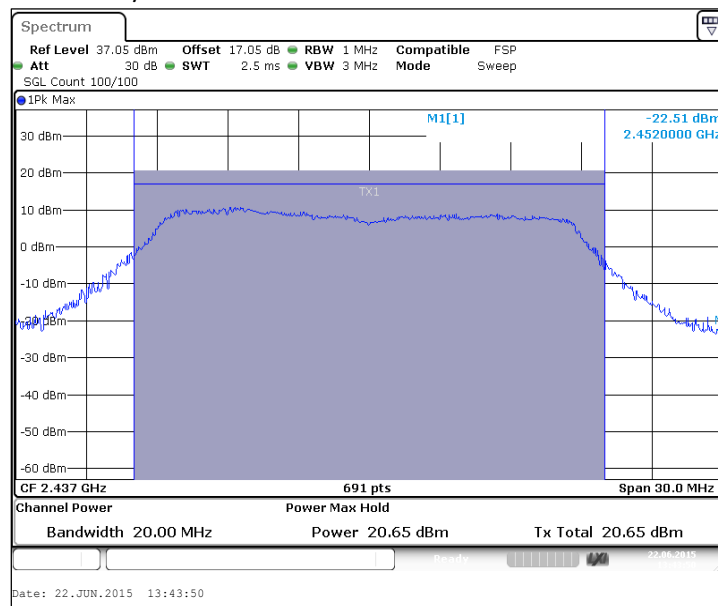
2.4.17 802.11n mode, 16QAM modulation, 39.0 / 43.3 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.77	189.234	PASSED
6 / 2437 AUX	20.65	116.145	PASSED

Channel 6 / 2437 MHz



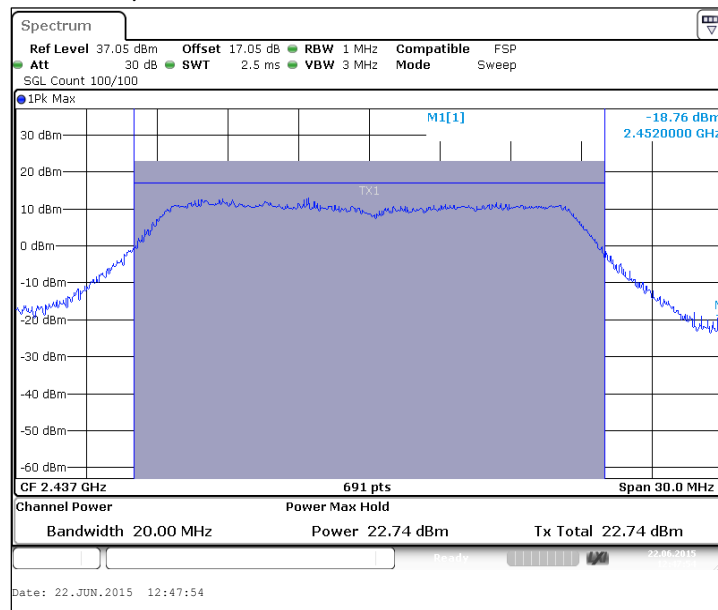
Channel 6 / 2437 MHz



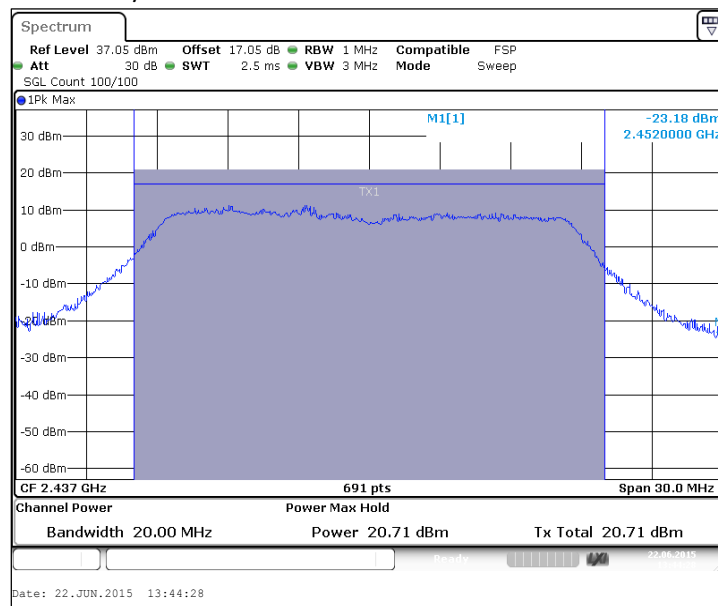
2.4.18 802.11n mode, 64QAM modulation, 52.0 / 57.8 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.74	187.932	PASSED
6 / 2437 AUX	20.71	117.761	PASSED

Channel 6 / 2437 MHz



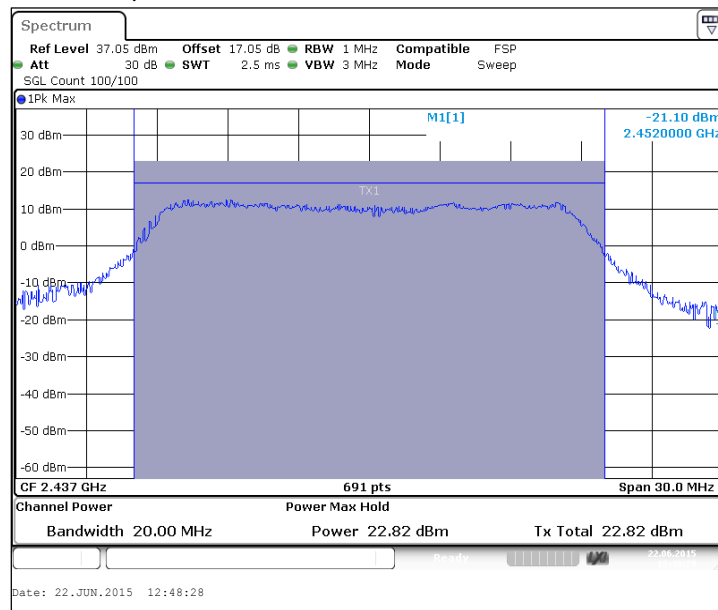
Channel 6 / 2437 MHz



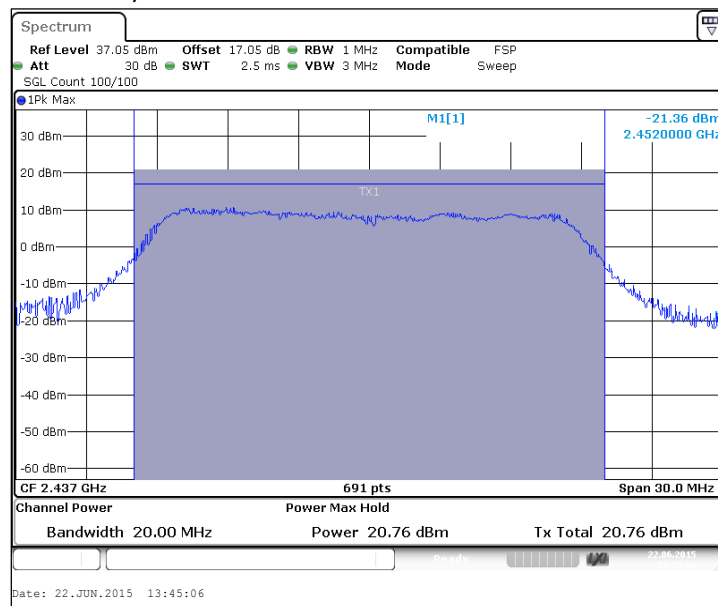
2.4.19 802.11n mode, 64QAM modulation, 58.5 / 65.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.82	191.426	PASSED
6 / 2437 AUX	20.76	119.124	PASSED

Channel 6 / 2437 MHz



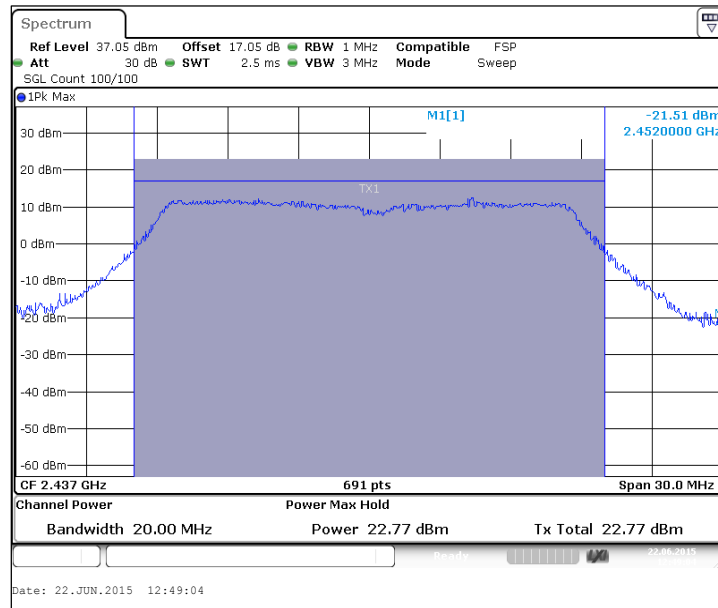
Channel 6 / 2437 MHz



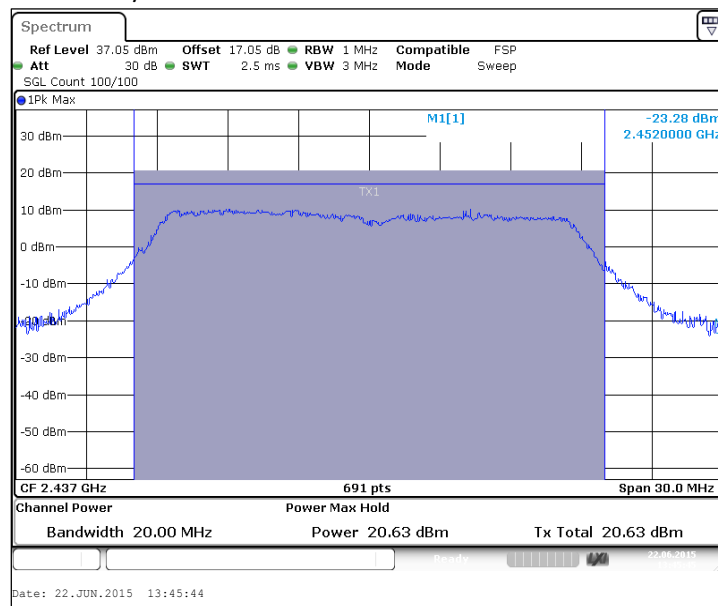
2.4.20 802.11n mode, 64QAM modulation, 65.0 / 72.2 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
6 / 2437 MAIN	22.77	189.234	PASSED
6 / 2437 AUX	20.63	115.611	PASSED

Channel 6 / 2437 MHz



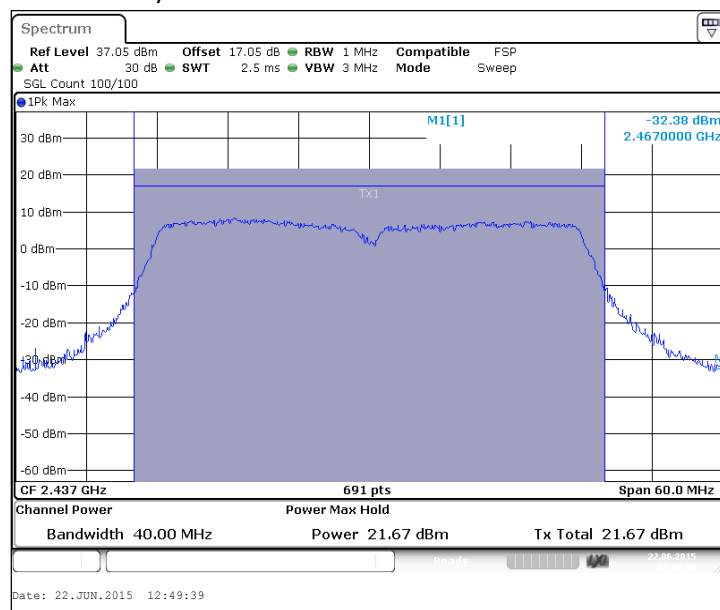
Channel 6 / 2437 MHz



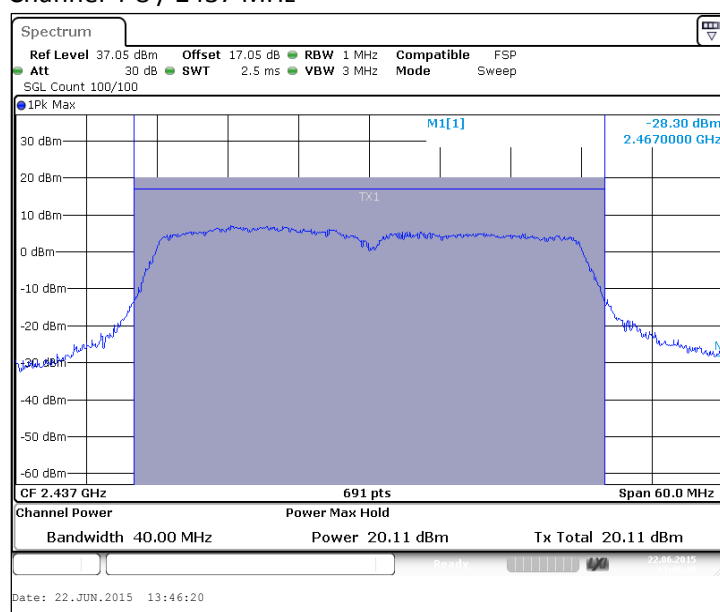
2.4.21 802.11n mode, BPSK modulation, 13.5 / 15.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	21.67	146.893	PASSED
4-8 / 2437 AUX	20.11	102.565	PASSED
1-5 / 2422 MAIN	21.82	152.055	PASSED
7-11 / 2452 MAIN	21.91	155.239	PASSED
1-5 / 2422 AUX	20.06	101.391	PASSED
7-11 / 2452 AUX	20.01	100.231	PASSED

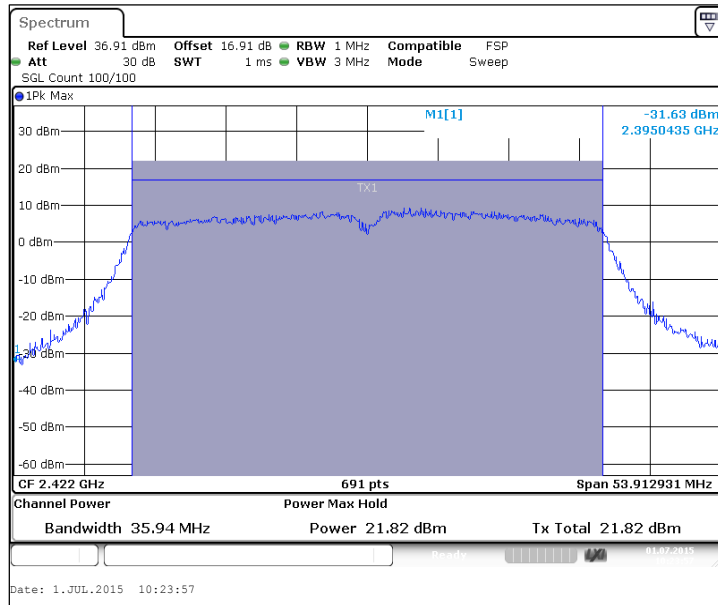
Channel 4-8 / 2437 MHz



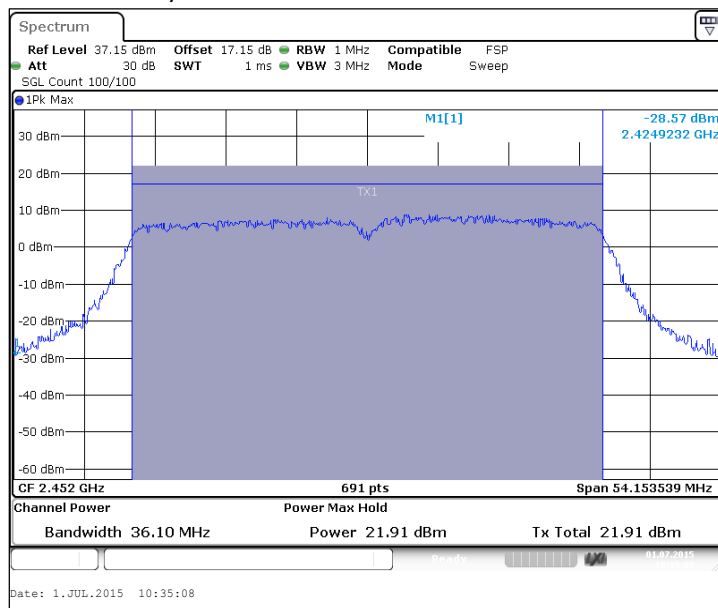
Channel 4-8 / 2437 MHz



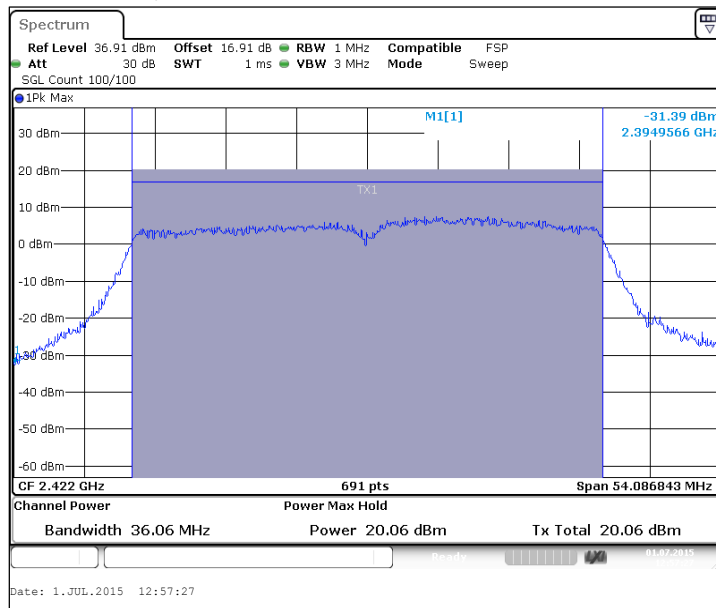
Channel 1-5 / 2422 MHz



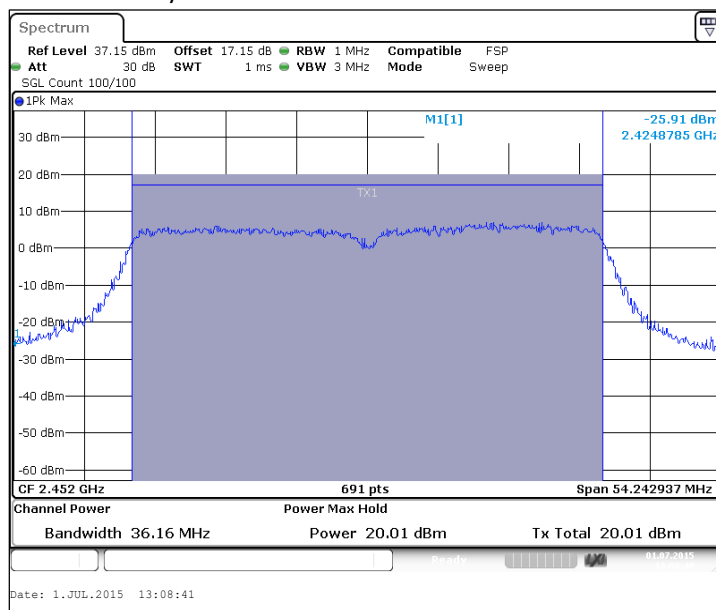
Channel 7-11 / 2452 MHz



Channel 1-5 / 2422 MHz



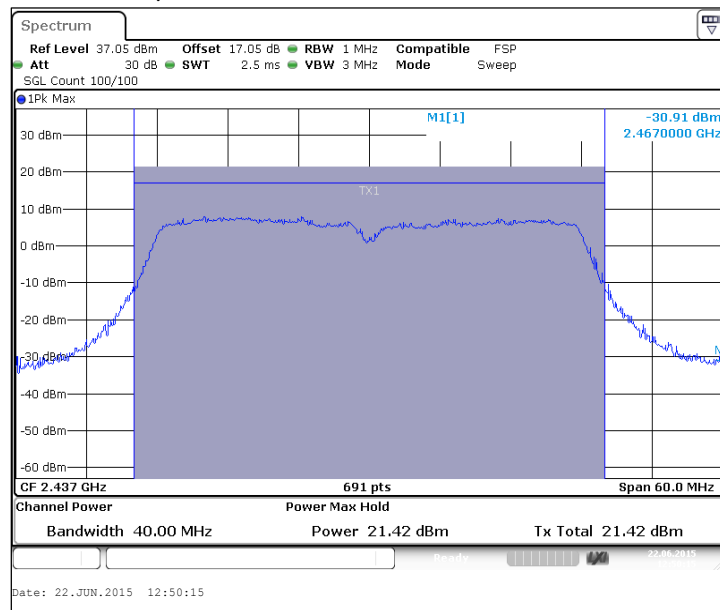
Channel 7-11 / 2452 MHz



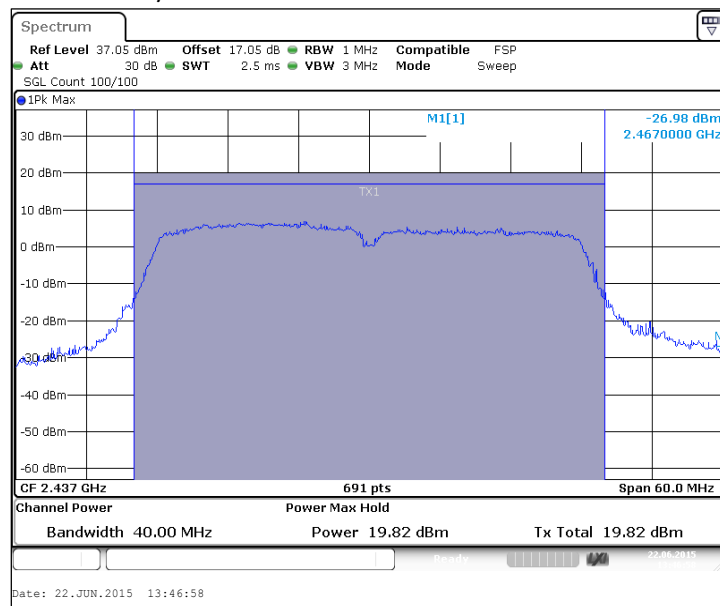
2.4.22 802.11n mode, QPSK modulation, 27.0 / 30.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	21.42	138.676	PASSED
4-8 / 2437 AUX	19.82	95.94	PASSED

Channel 4-8 / 2437 MHz



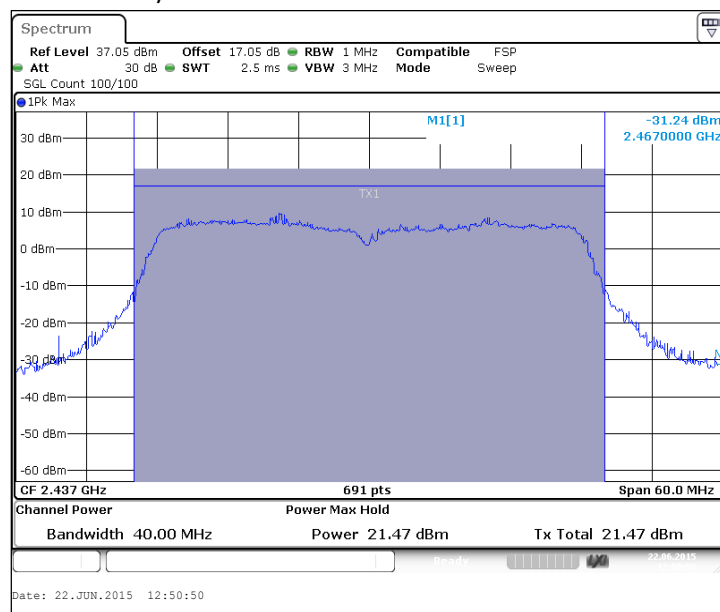
Channel 4-8 / 2437 MHz



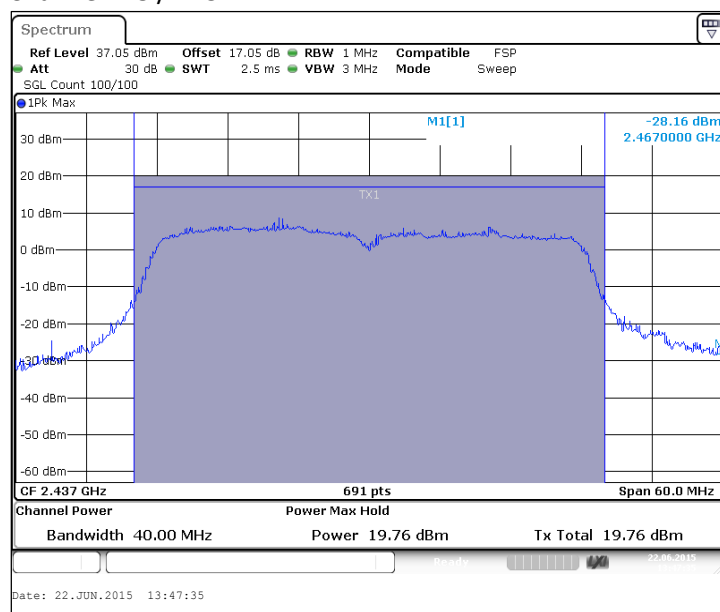
2.4.23 802.11n mode, QPSK modulation, 40.5 / 45.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	21.47	140.281	PASSED
4-8 / 2437 AUX	19.76	94.624	PASSED
1-5 / 2422 MAIN	21.56	143.219	PASSED
7-11 / 2452 MAIN	21.67	146.893	PASSED
1-5 / 2422 AUX	19.81	95.719	PASSED
7-11 / 2452 AUX	19.76	94.624	PASSED

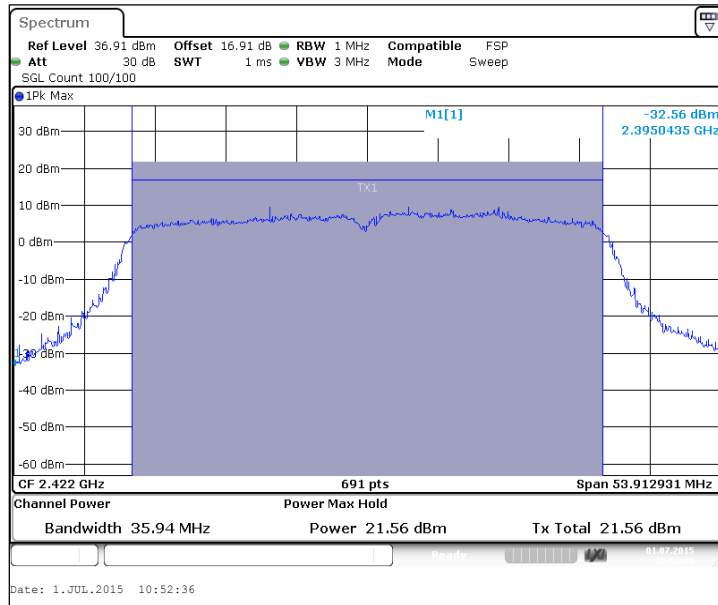
Channel 4-8 / 2437 MHz



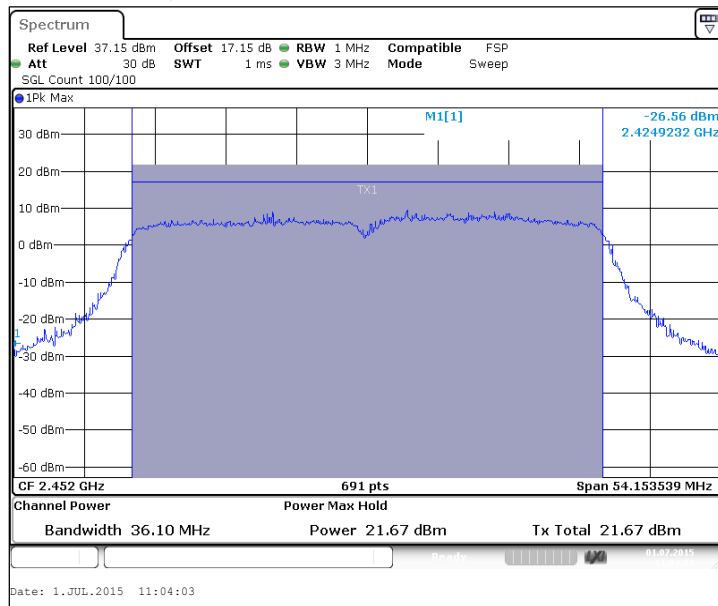
Channel 4-8 / 2437 MHz



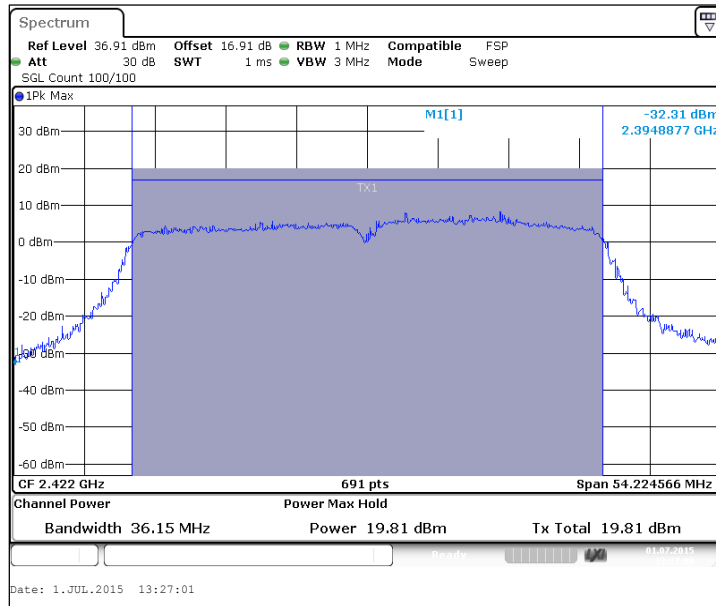
Channel 1-5 / 2422 MHz



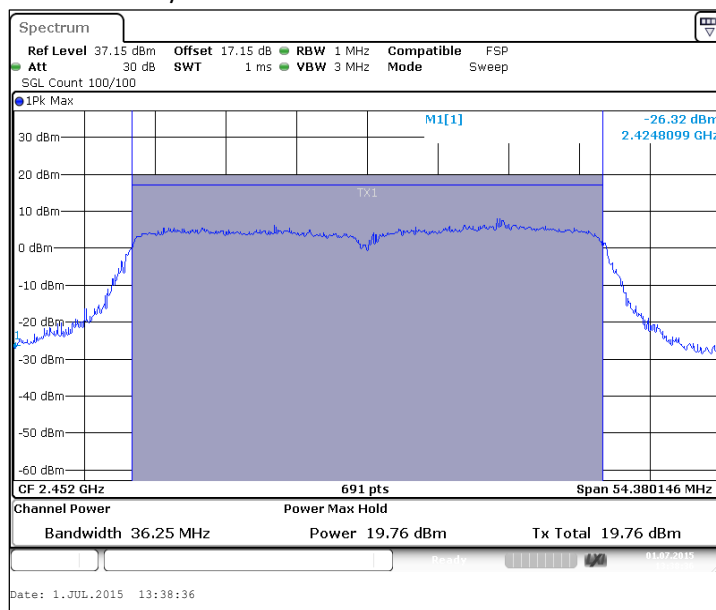
Channel 7-11 / 2452 MHz



Channel 1-5 / 2422 MHz



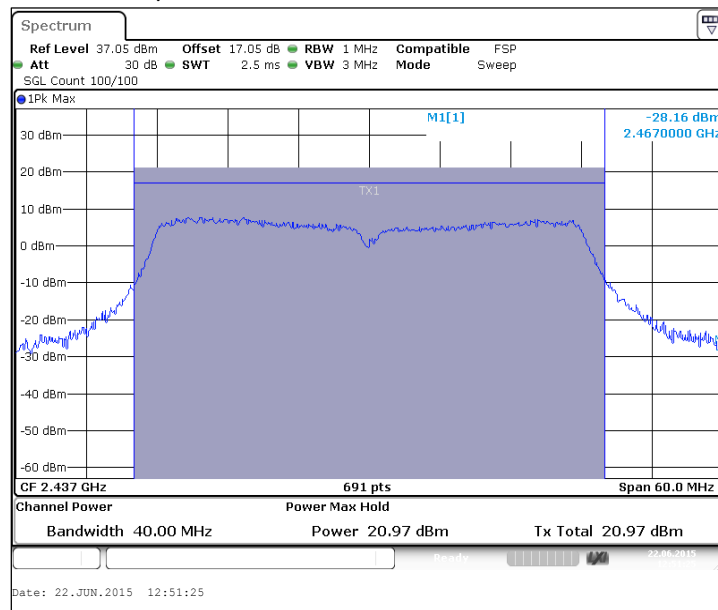
Channel 7-11 / 2452 MHz



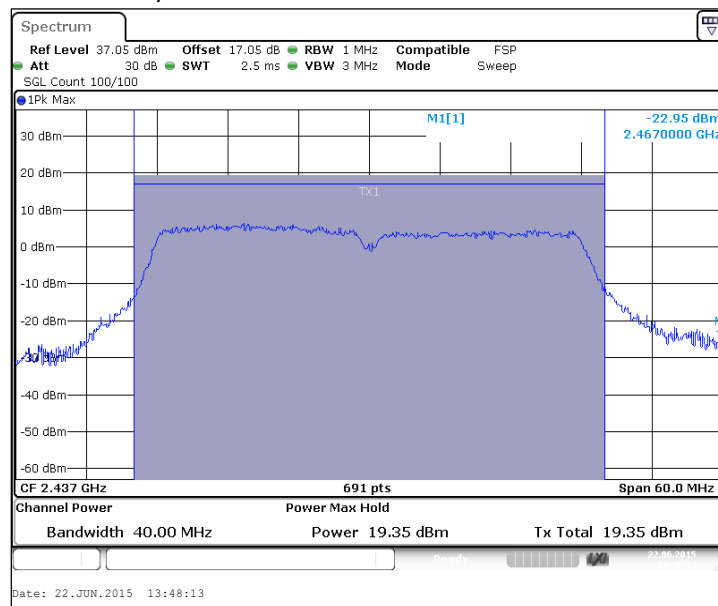
2.4.24 802.11n mode, 16QAM modulation, 54.0 / 60.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	20.97	125.026	PASSED
4-8 / 2437 AUX	19.35	86.099	PASSED

Channel 4-8 / 2437 MHz



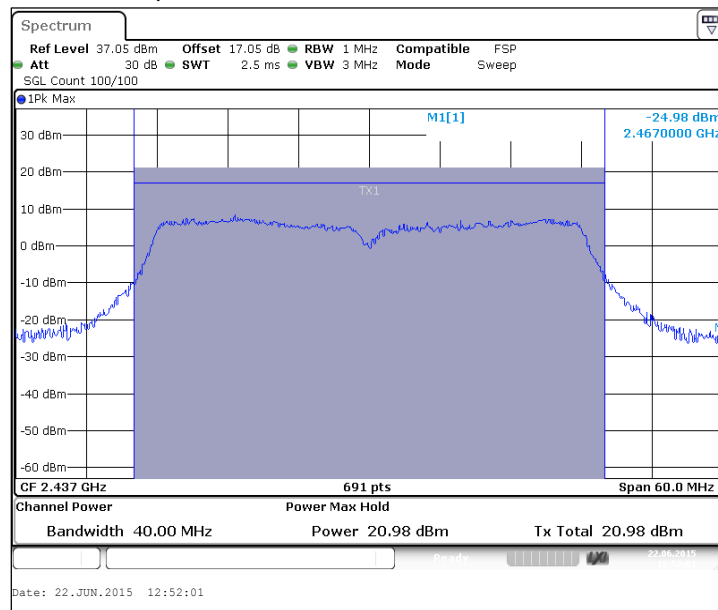
Channel 4-8 / 2437 MHz



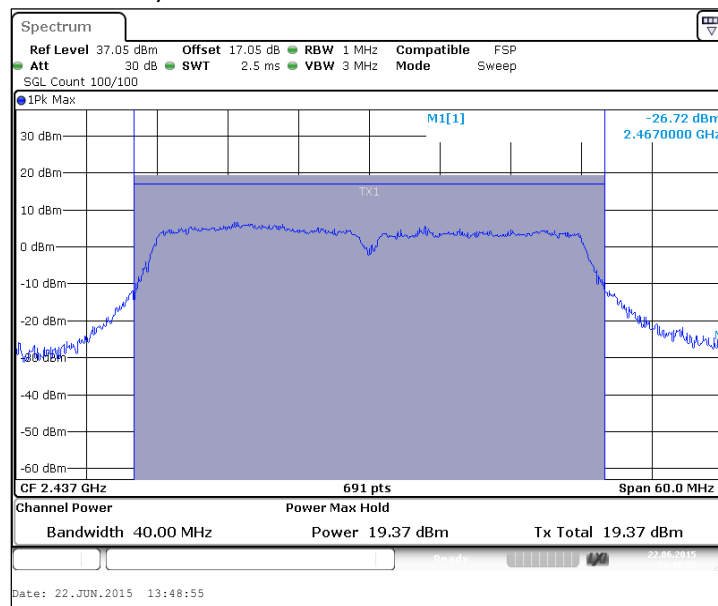
2.4.25 802.11n mode, 16QAM modulation, 81.0 / 90.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	20.98	125.314	PASSED
4-8 / 2437 AUX	19.37	86.497	PASSED

Channel 4-8 / 2437 MHz



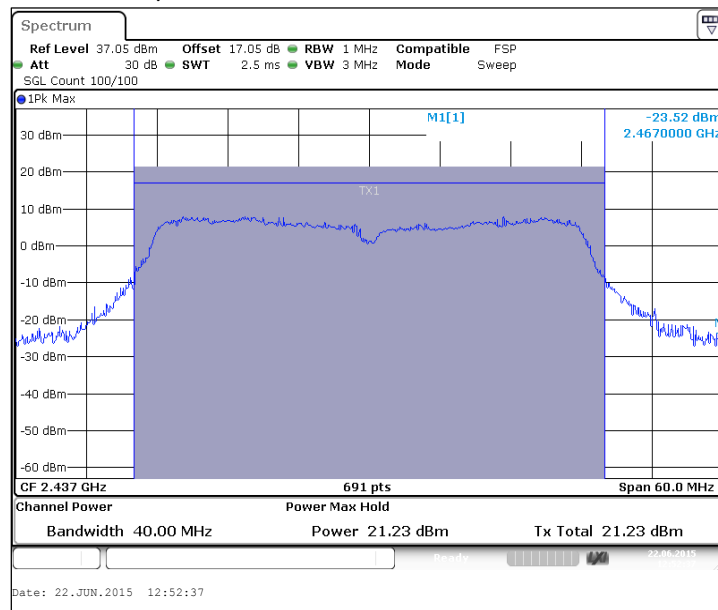
Channel 4-8 / 2437 MHz



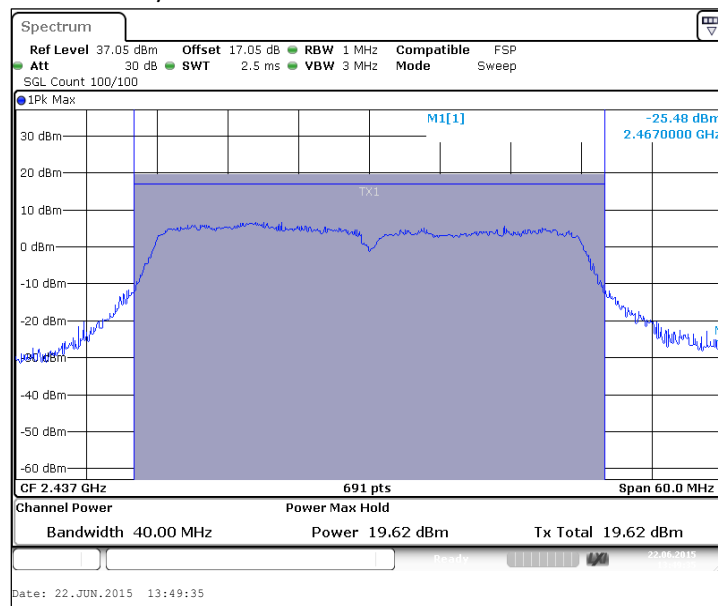
2.4.26 802.11n mode, 64QAM modulation, 108.0 / 120.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	21.23	132.739	PASSED
4-8 / 2437 AUX	19.62	91.622	PASSED

Channel 4-8 / 2437 MHz



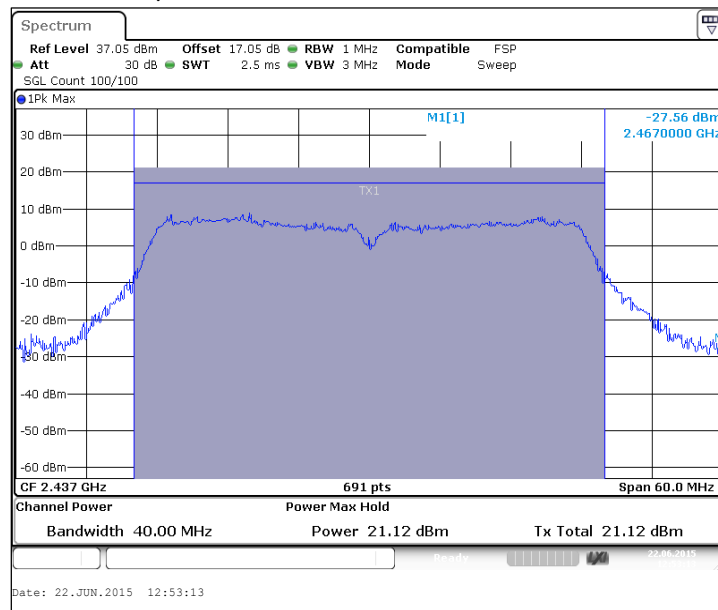
Channel 4-8 / 2437 MHz



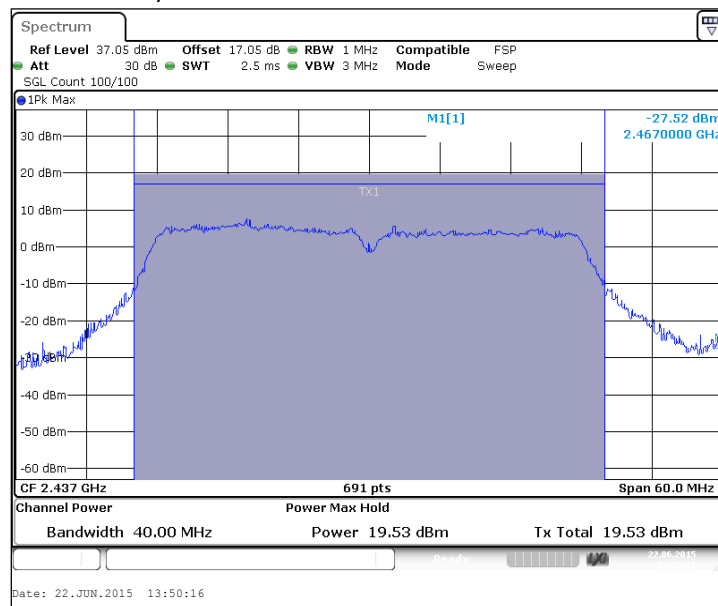
2.4.27 802.11n mode, 64QAM modulation, 121.5 / 135.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	21.12	129.42	PASSED
4-8 / 2437 AUX	19.53	89.743	PASSED

Channel 4-8 / 2437 MHz



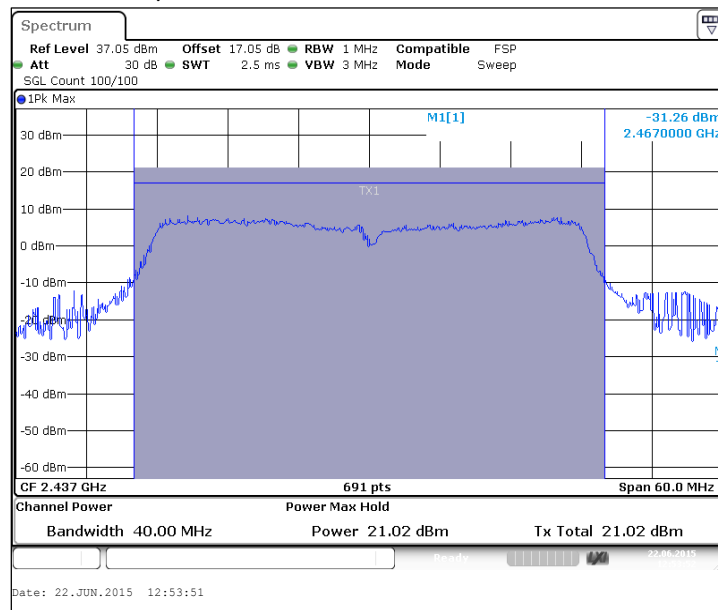
Channel 4-8 / 2437 MHz



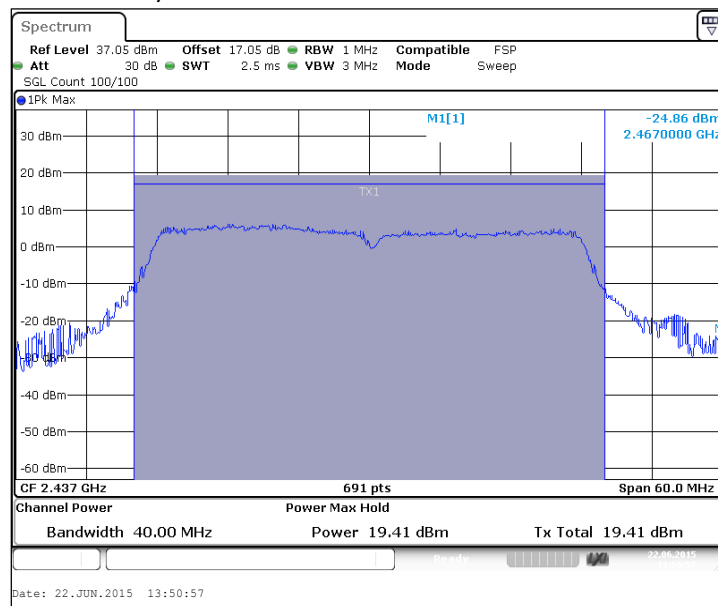
2.4.28 802.11n mode, 64QAM modulation, 135.0 / 150.0 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
4-8 / 2437 MAIN	21.02	126.474	PASSED
4-8 / 2437 AUX	19.41	87.297	PASSED

Channel 4-8 / 2437 MHz



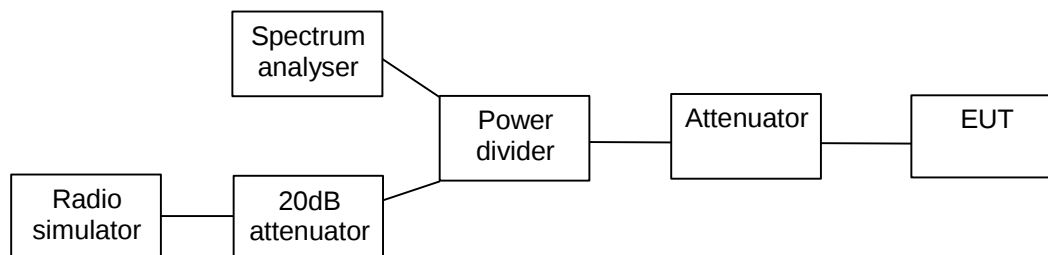
Channel 4-8 / 2437 MHz



3. Spurious RF conducted emissions (FCC §15.247(d), RSS-210 A8.5)

EUT with DUT number	RM-1104, DUT 100007
Accessories with DUT numbers	SD-244R, DUT 100021 ; WH-308, DUT 100029
Operation Voltage [V] / [Hz]	Nominal
Results	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.1
Date of measurements	24-Jun-2015
Measured by	Jari Keto

3.1. Test Setup



3.2. Test method and limit

The measurement is made according to Public notice KDB 558 074 and IC standard RSS-210.

The reference level for the -20 dBc measurement was obtained as instructed in section 11.2 of the KDB 558074, using span of 1.5 times the OBW.

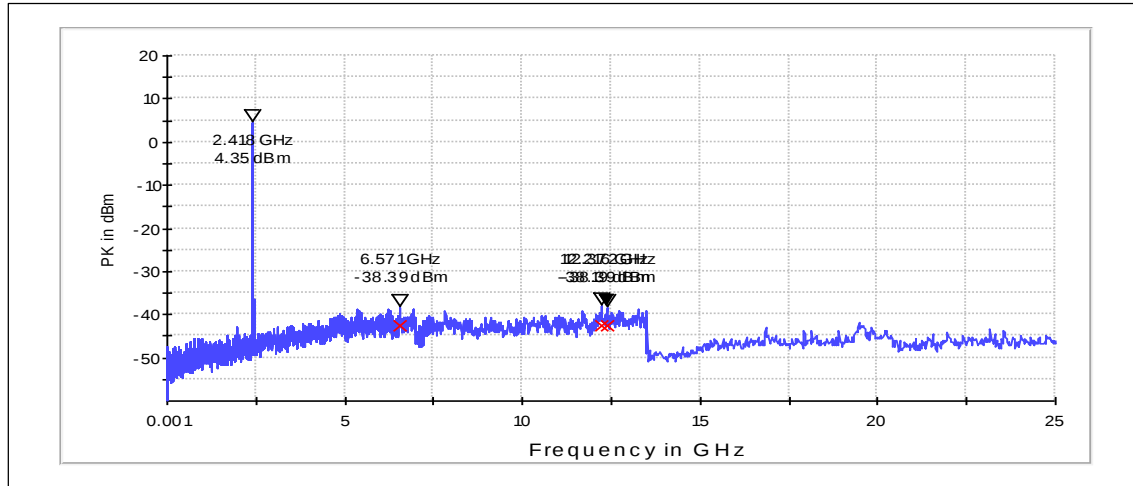
Limits for spurious RF conducted emissions measurements

Frequency range [MHz]	Limit [dBc]
1 – 25000	<= -20

3.3. WLAN Test results

3.3.1 802.11g mode, BPSK modulation, 9 Mbps data rate

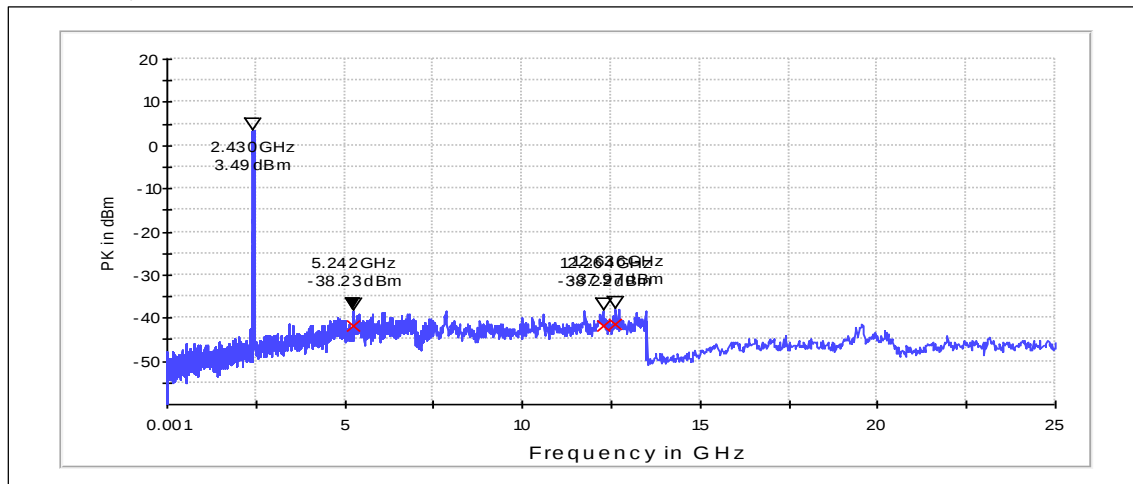
Channel 1 / 2412 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12216.000	-42.54	PASSED
6570.800	-42.74	PASSED
12372.000	-42.75	PASSED

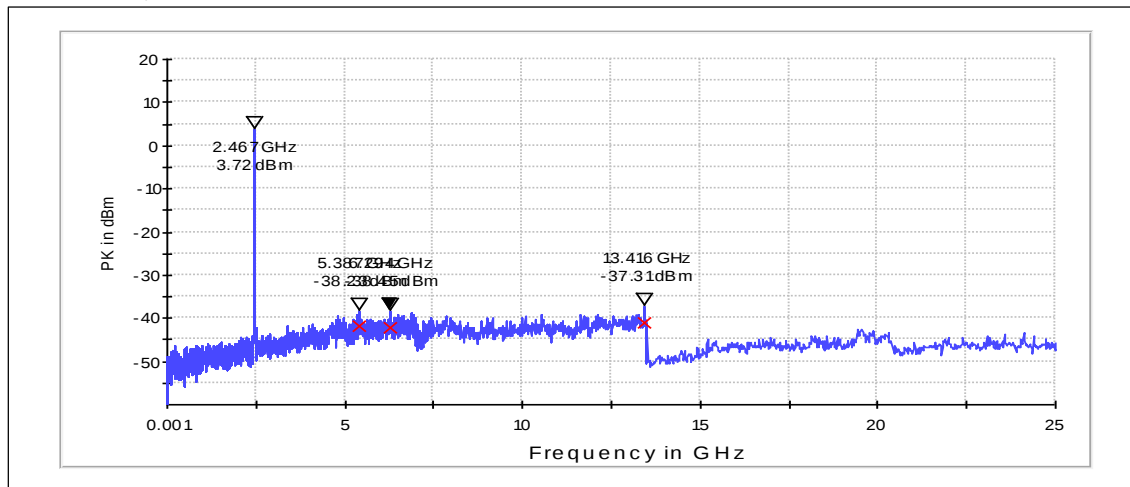
Channel 6 / 2437 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12636.000	-41.46	PASSED
12264.000	-41.71	PASSED
5242.000	-41.72	PASSED

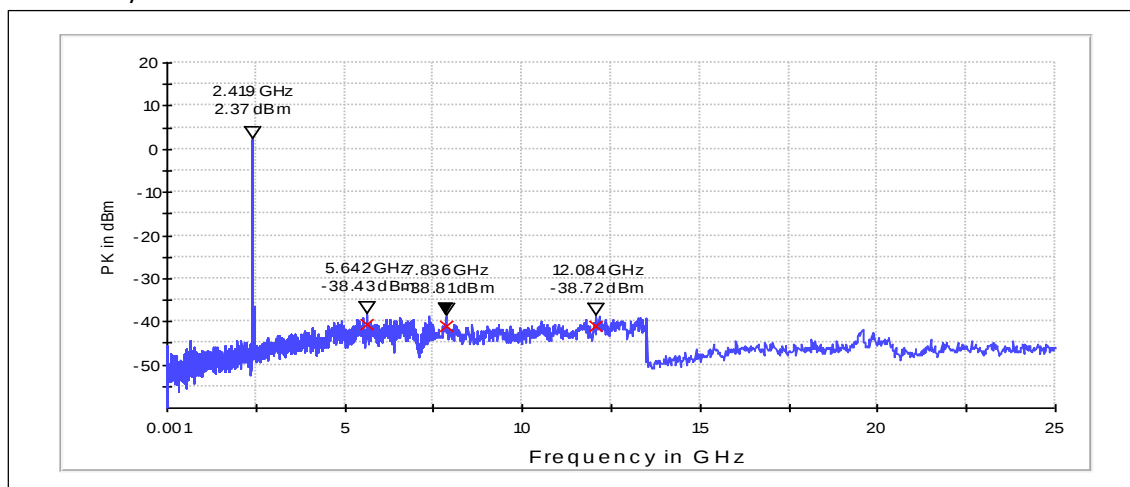
Channel 11 / 2462 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
13416.000	-41.04	PASSED
5387.200	-41.96	PASSED
6293.600	-42.17	PASSED

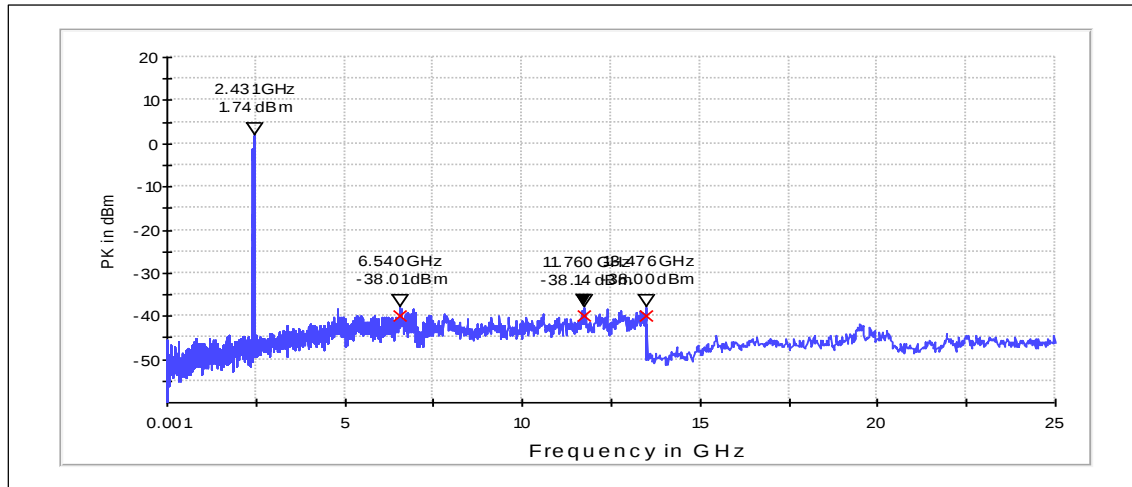
Channel 1 / 2412 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
5642.400	-40.80	PASSED
12084.000	-41.09	PASSED
7836.000	-41.18	PASSED

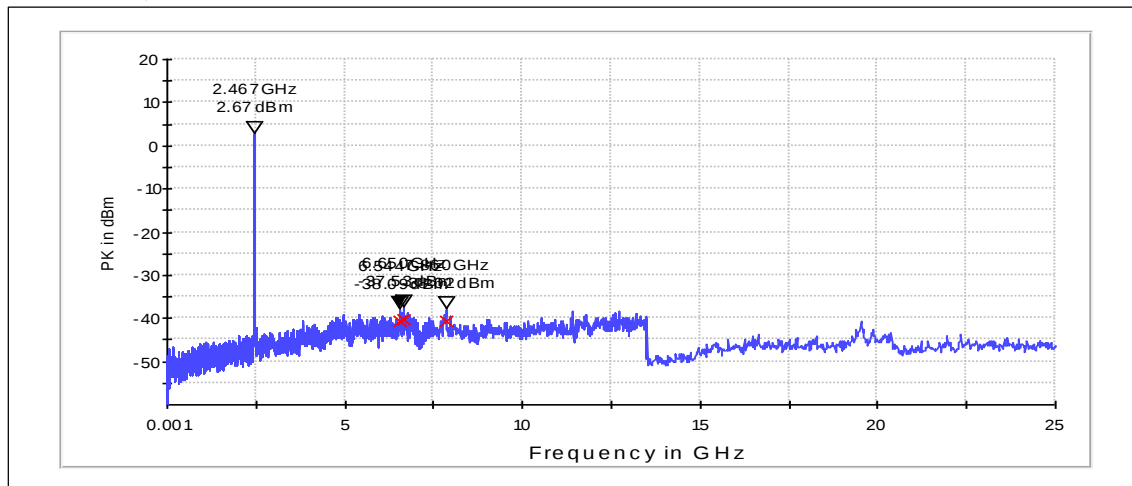
Channel 6 / 2437 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
13476.000	-39.75	PASSED
6540.000	-39.75	PASSED
11760.000	-39.88	PASSED

Channel 11 / 2462 MHz AUX

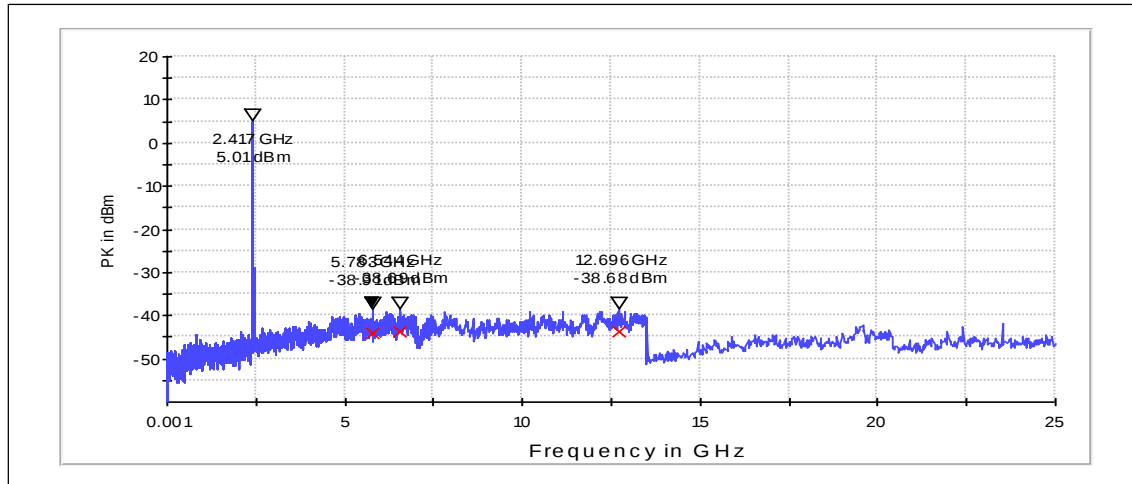


Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
6650.000	-40.19	PASSED
7860.000	-40.69	PASSED
6544.400	-40.75	PASSED

3.3.2 802.11g mode, 16QAM modulation, 24 Mbps data rate

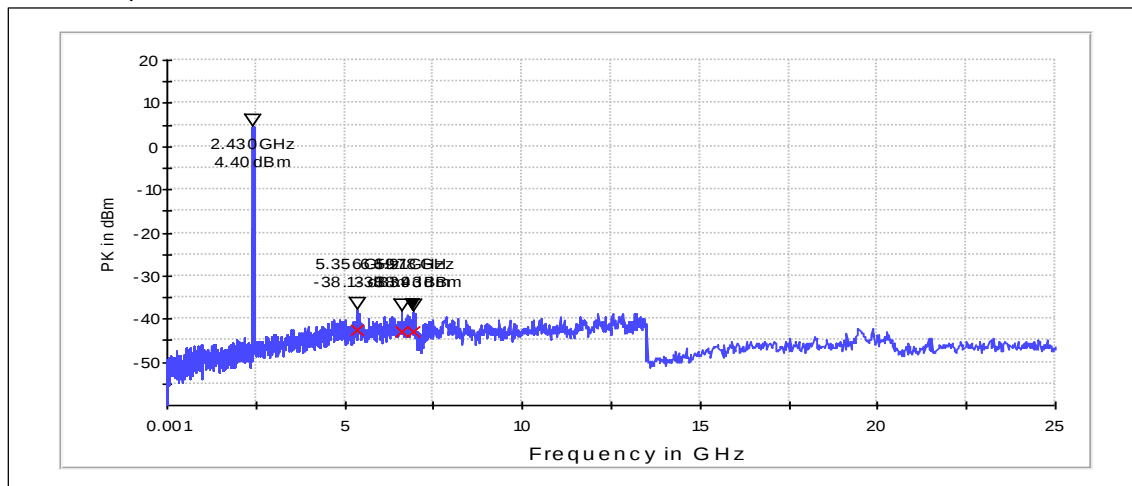
Channel 1 / 2412 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12696.000	-43.70	PASSED
6544.400	-43.70	PASSED
5783.200	-43.92	PASSED

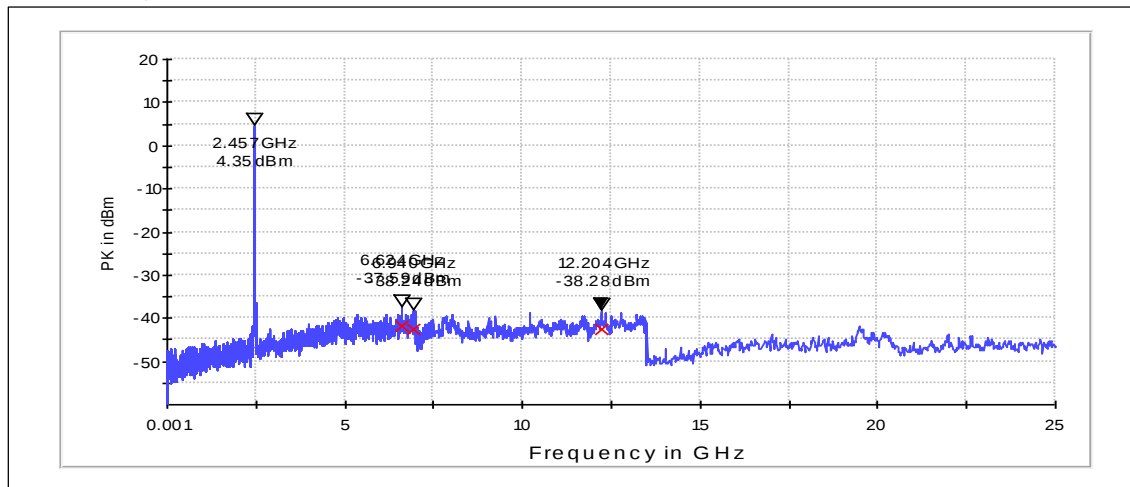
Channel 6 / 2437 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
5356.400	-42.53	PASSED
6597.200	-42.79	PASSED
6918.400	-42.83	PASSED

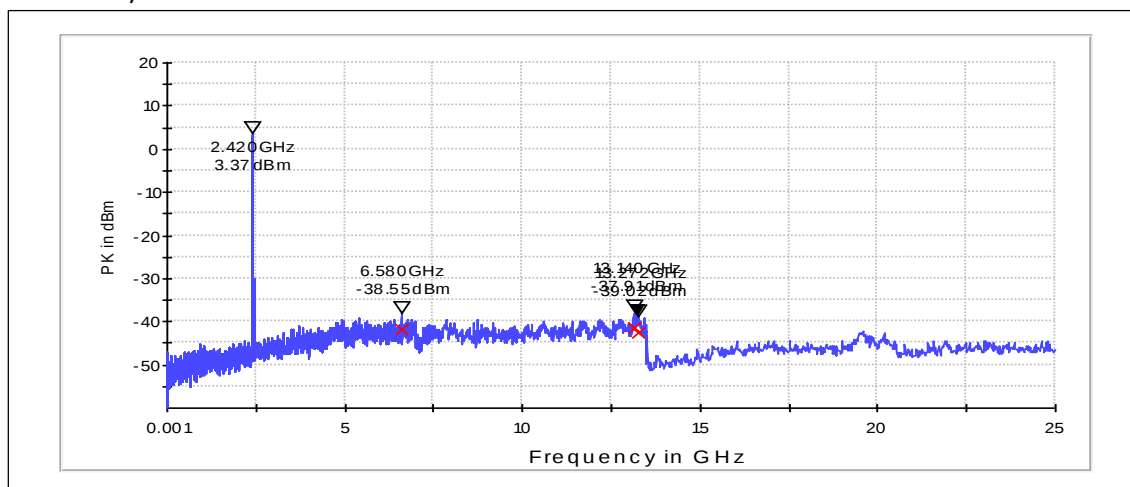
Channel 11 / 2462 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
6623.600	-41.94	PASSED
6940.400	-42.58	PASSED
12204.000	-42.62	PASSED

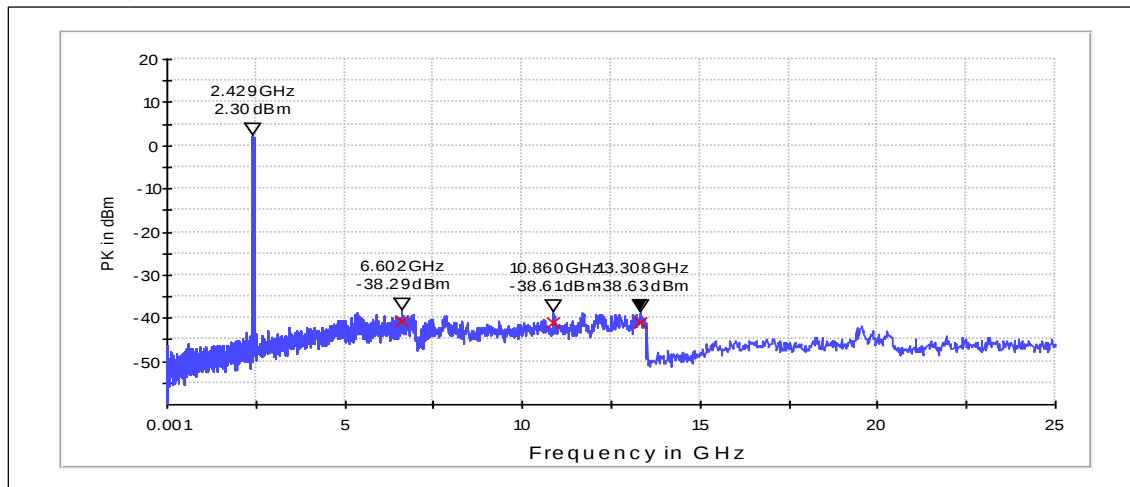
Channel 1 / 2412 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
13140.000	-41.27	PASSED
6579.600	-41.92	PASSED
13272.000	-42.39	PASSED

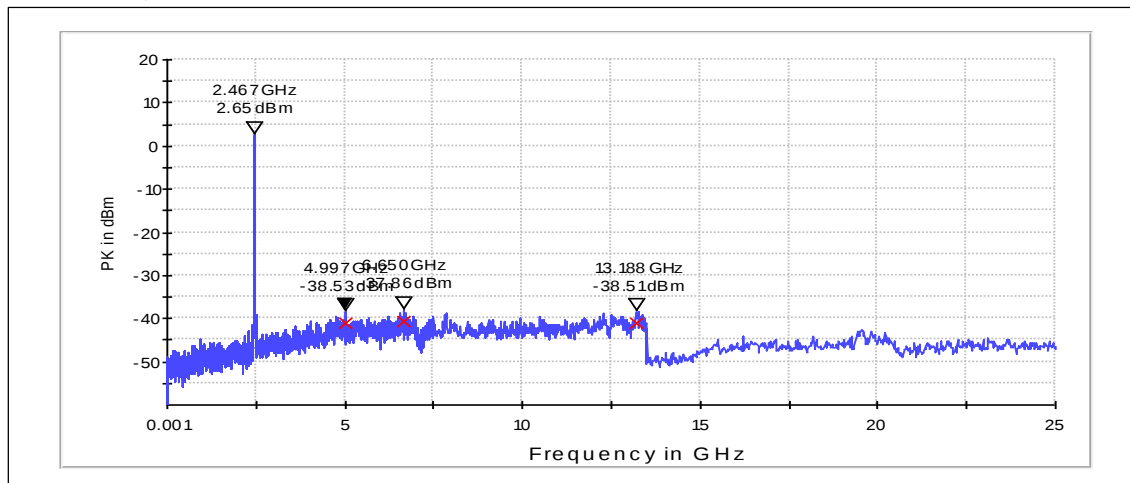
Channel 6 / 2437 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
6601.600	-40.59	PASSED
10860.000	-40.91	PASSED
13308.000	-40.93	PASSED

Channel 11 / 2462 MHz AUX

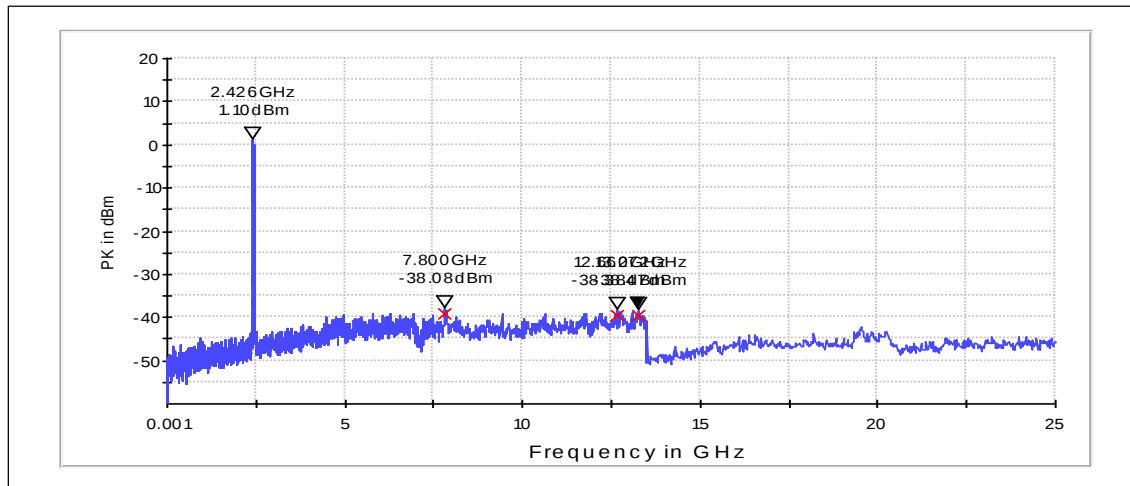


Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
6650.000	-40.52	PASSED
13188.000	-41.17	PASSED
4996.800	-41.18	PASSED

3.3.3 802.11n mode, BPSK modulation, 13.5 / 15.0 Mbps data rate

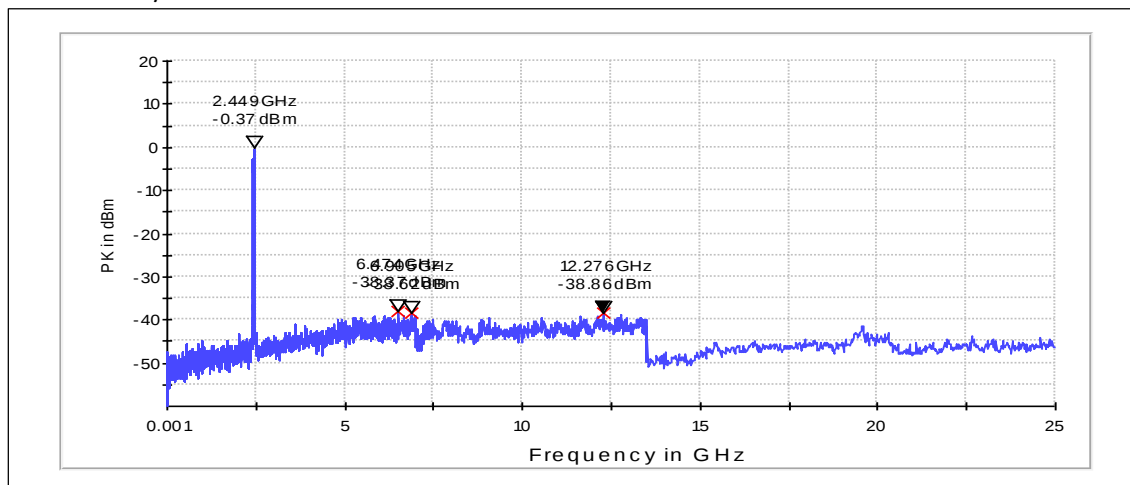
Channel 1-5 / 2422 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
7800.000	-39.18	PASSED
12660.000	-39.48	PASSED
13272.000	-39.57	PASSED

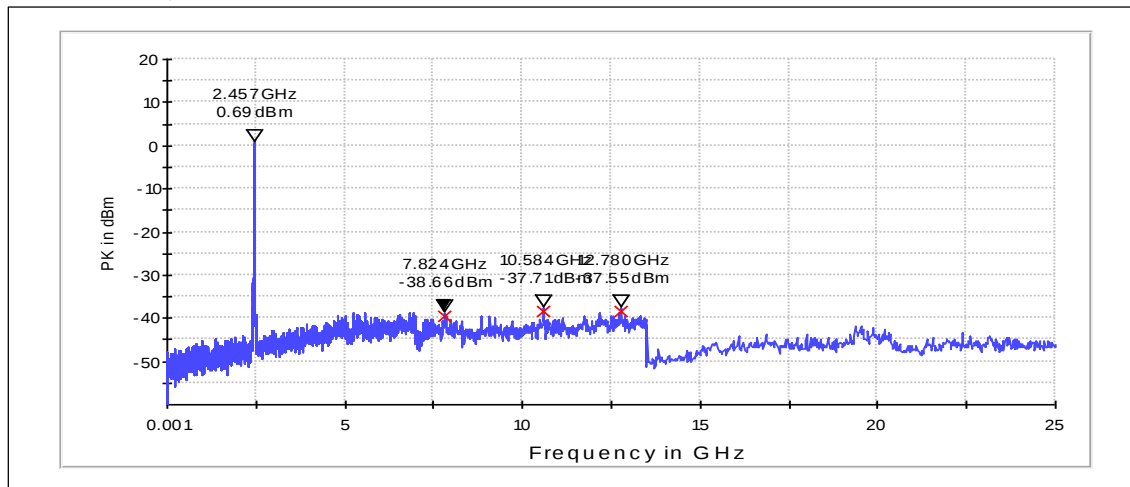
Channel 4-8 / 2437 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
6474.000	-38.00	PASSED
6905.200	-38.25	PASSED
12276.000	-38.49	PASSED

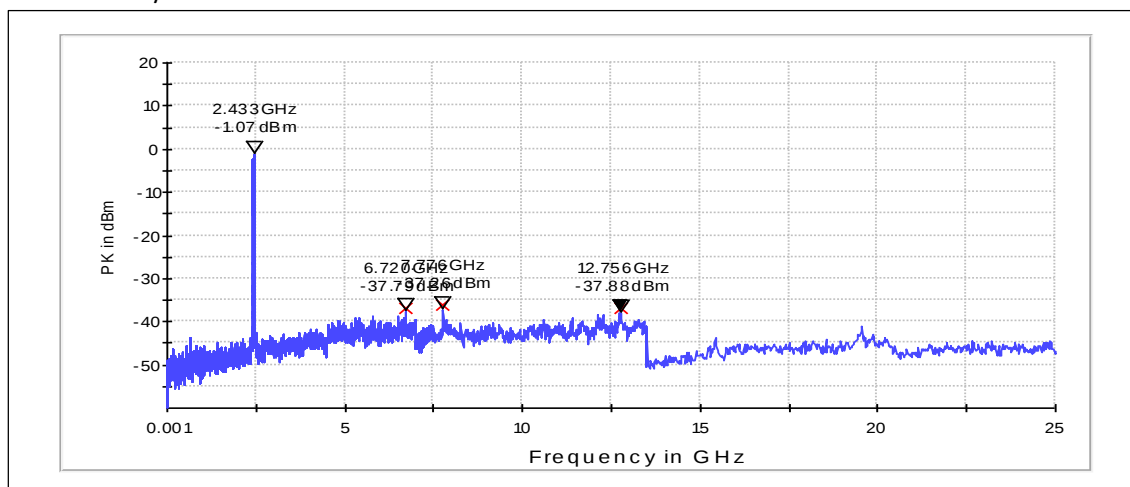
Channel 7-11 / 2452 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12780.000	-38.25	PASSED
10584.000	-38.40	PASSED
7824.000	-39.35	PASSED

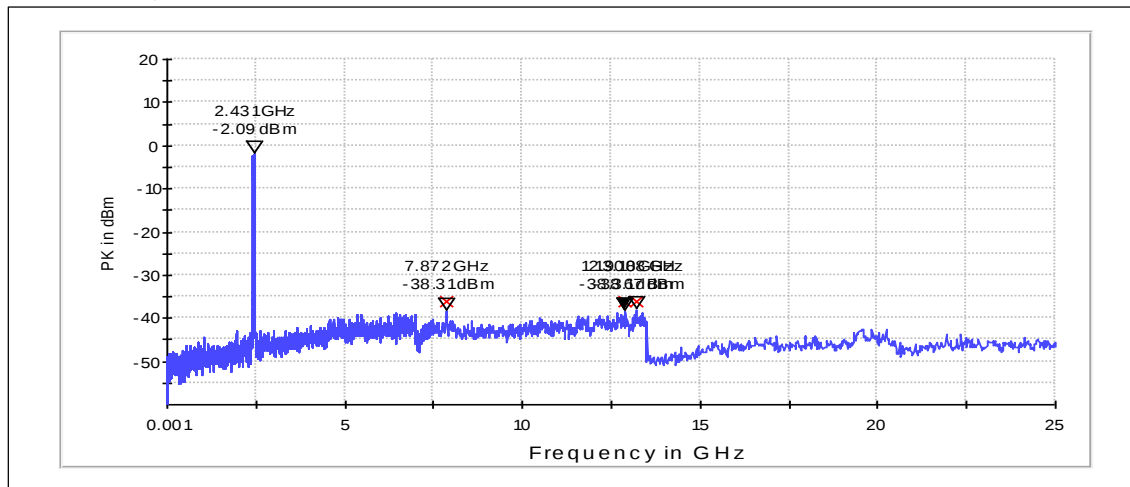
Channel 1-5 / 2422 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
7776.000	-36.19	PASSED
6720.400	-36.71	PASSED
12756.000	-36.81	PASSED

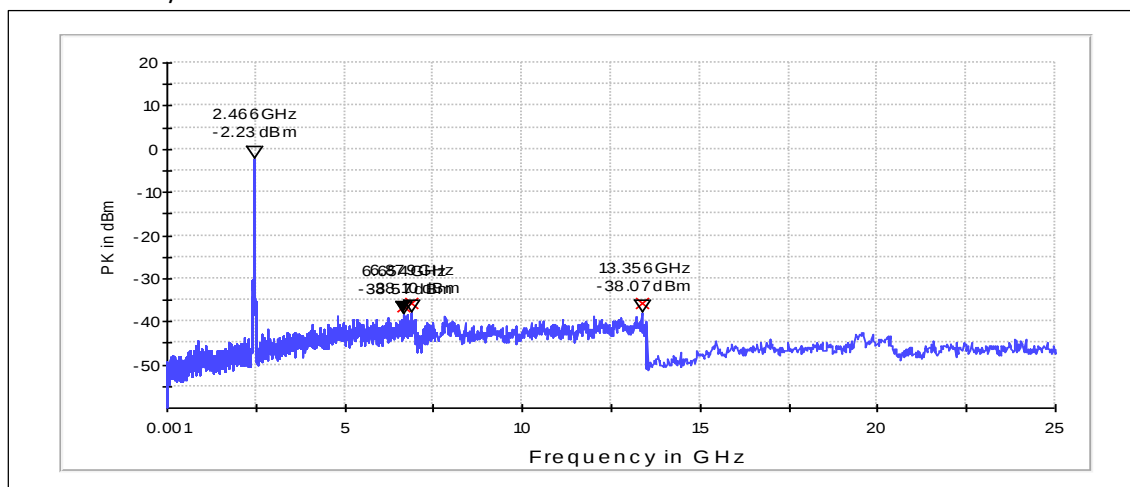
Channel 4-8 / 2437 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
13188.000	-36.08	PASSED
7872.000	-36.22	PASSED
12900.000	-36.27	PASSED

Channel 7-11 / 2452 MHz AUX

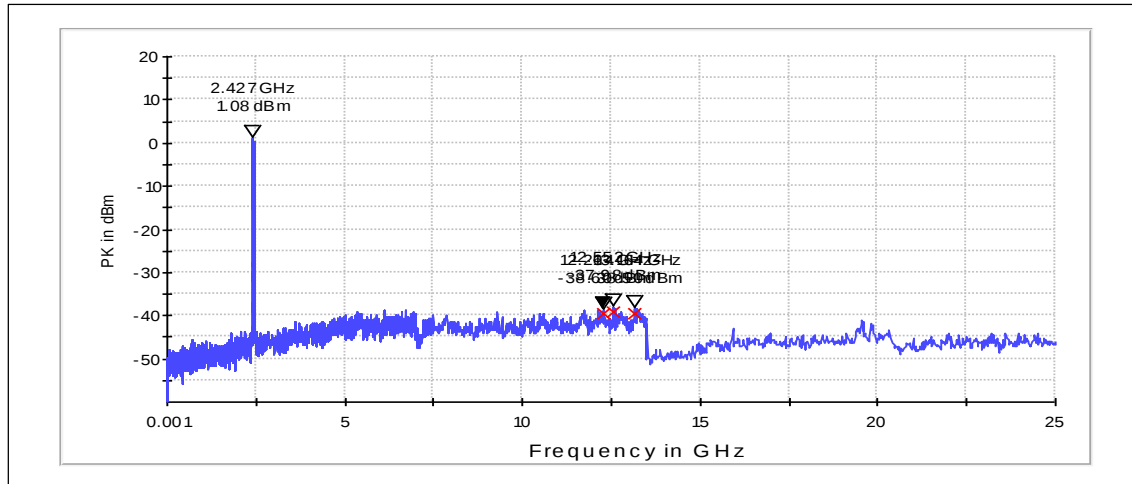


Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
13356.000	-35.84	PASSED
6878.800	-35.87	PASSED
6654.400	-36.34	PASSED

3.3.4 802.11n mode, QPSK modulation, 40.5 / 45.0 Mbps data rate

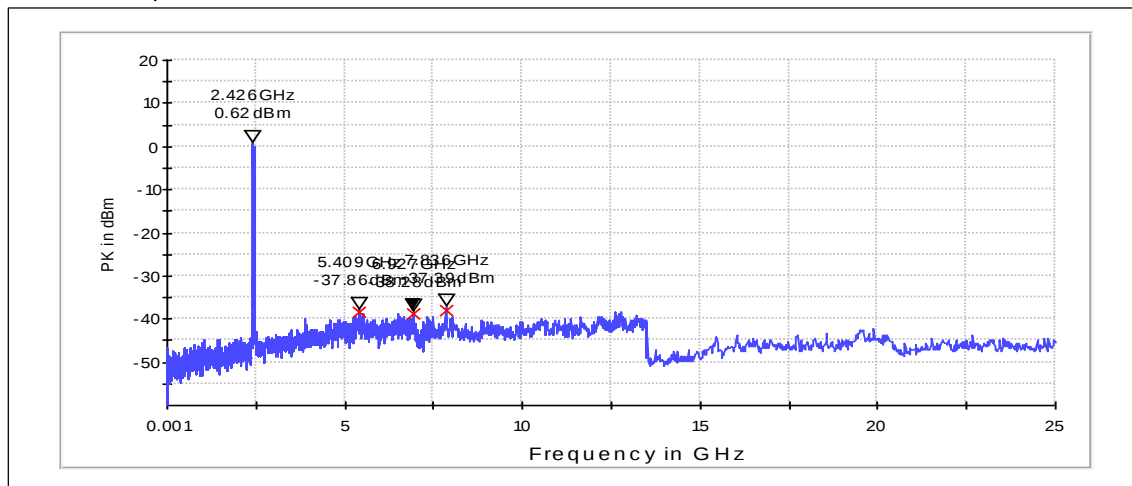
Channel 1-5 / 2422 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12552.000	-39.05	PASSED
13164.000	-39.58	PASSED
12264.000	-39.68	PASSED

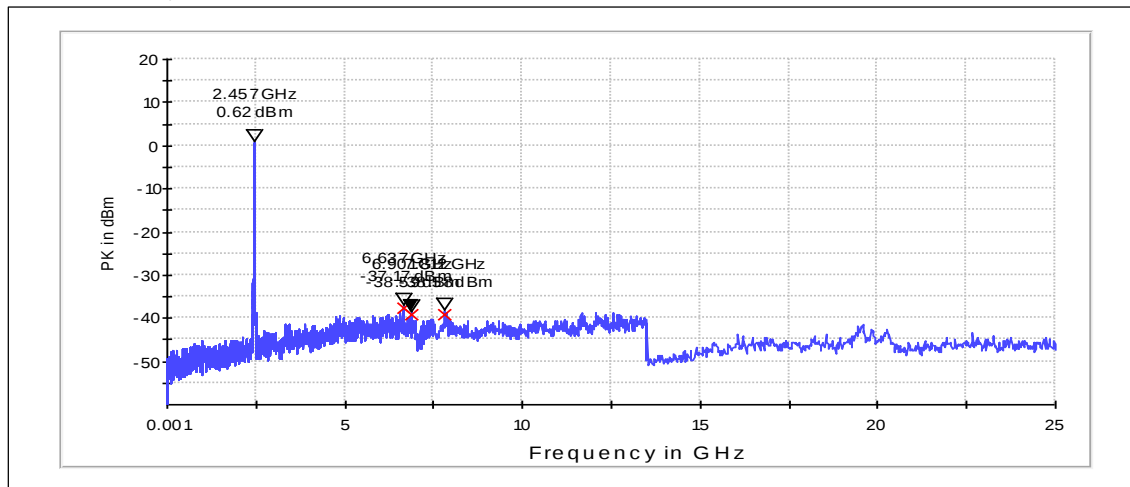
Channel 4-8 / 2437 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
7836.000	-38.00	PASSED
5409.200	-38.48	PASSED
6927.200	-38.90	PASSED

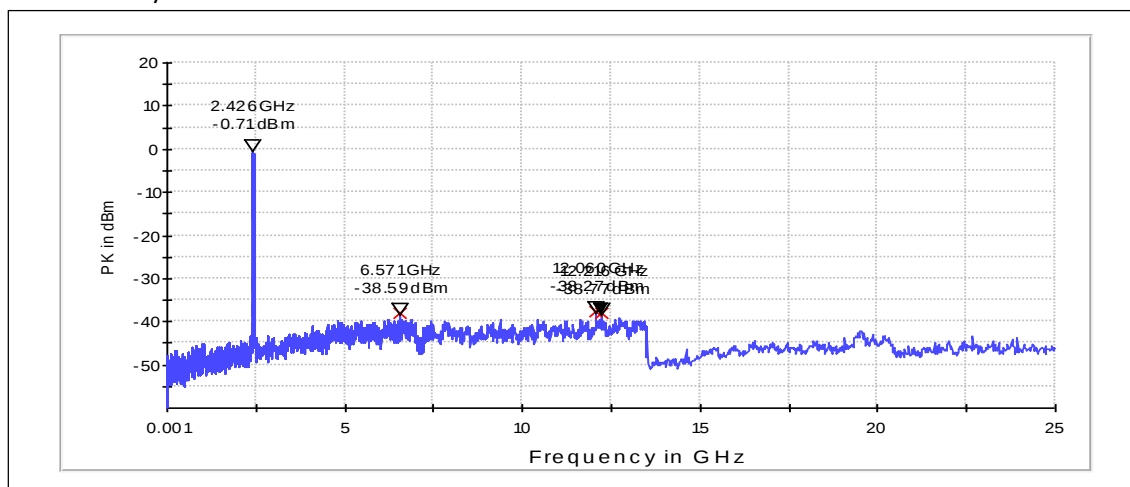
Channel 7-11 / 2452 MHz MAIN



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
6636.800	-37.79	PASSED
7812.000	-39.20	PASSED
6900.800	-39.21	PASSED

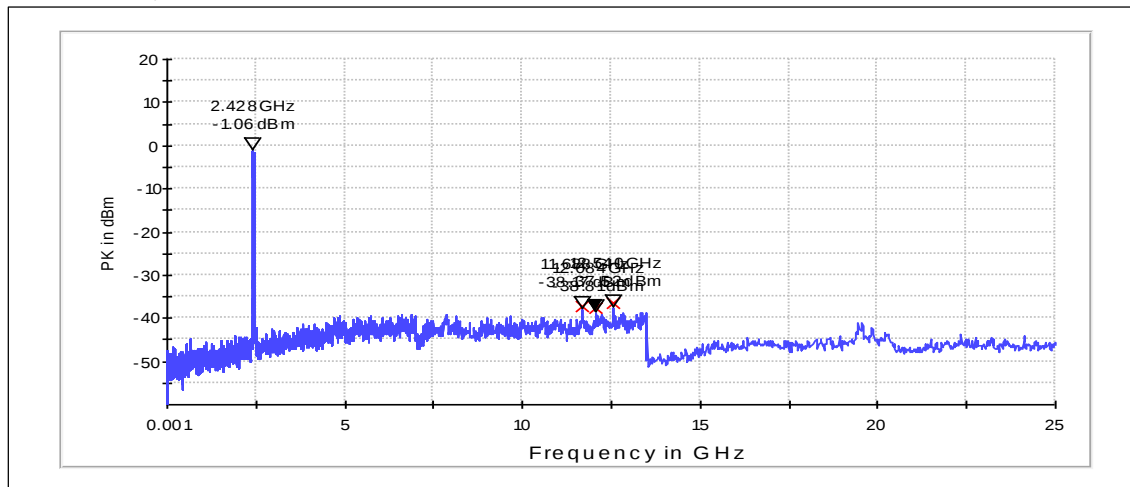
Channel 1-5 / 2422 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12060.000	-37.56	PASSED
6570.800	-37.88	PASSED
12216.000	-38.06	PASSED

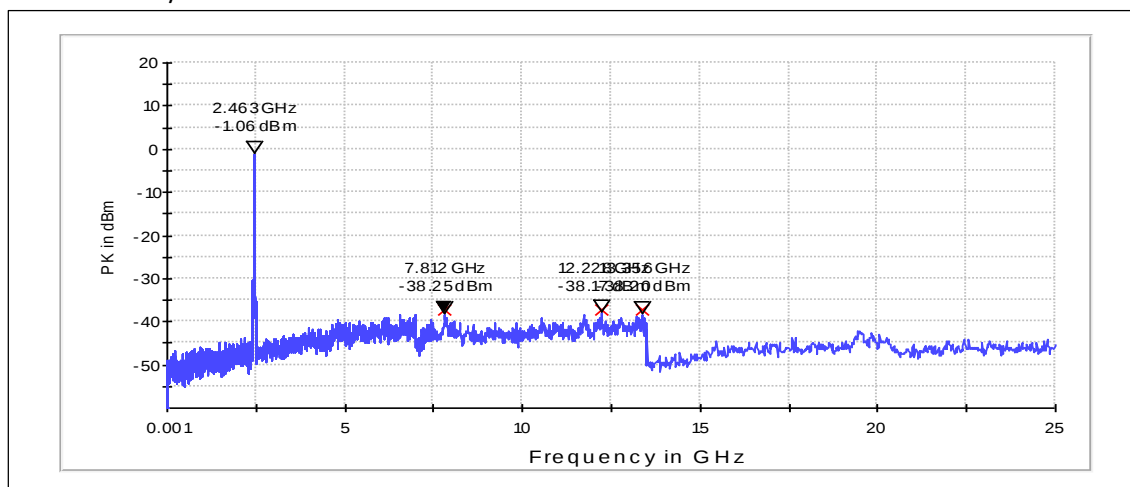
Channel 4-8 / 2437 MHz AUX



Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12540.000	-36.46	PASSED
11688.000	-37.12	PASSED
12084.000	-37.75	PASSED

Channel 7-11 / 2452 MHz AUX



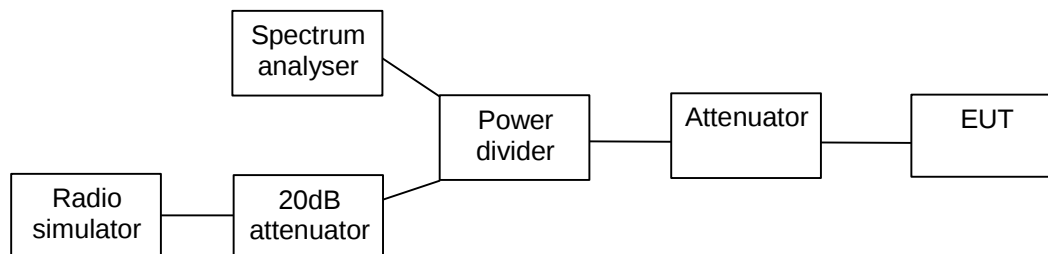
Peak (RBW: 100 kHz, VBW: 300 kHz)

Frequency [MHz]	P [dBc]	Result
12228.000	-37.11	PASSED
13356.000	-37.14	PASSED
7812.000	-37.19	PASSED

4. 6dB(bandwidth) (FCC §15.247(a)(2), RSS-210 A8.2(a))

EUT with DUT number	RM-1104, DUT 100007
Accessories with DUT numbers	SD-244R, DUT 100021 ; WH-308, DUT 100029
Operation Voltage [V] / [Hz]	Nominal
Results	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.1
Date of measurements	24-Jun-2015
Measured by	Jari Keto

4.1. Test Setup



4.2. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

Limits for 6 dB bandwidth measurements

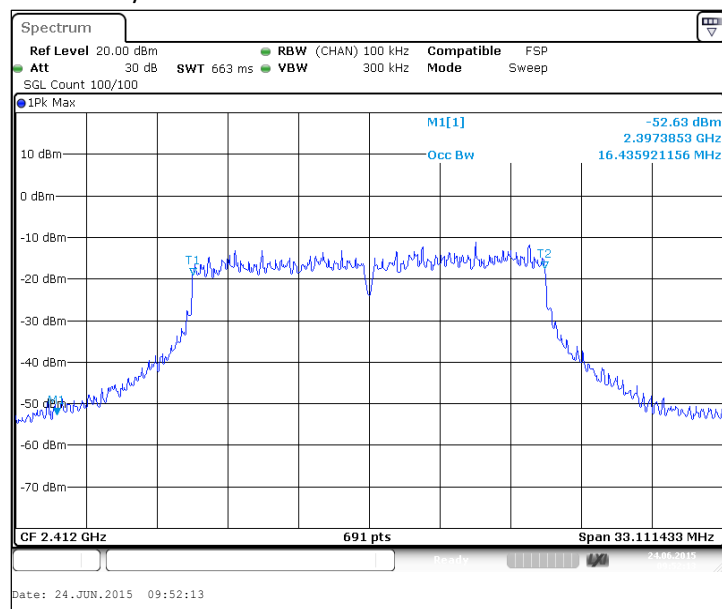
Limit [kHz]
≥ 500

4.3. WLAN Test results

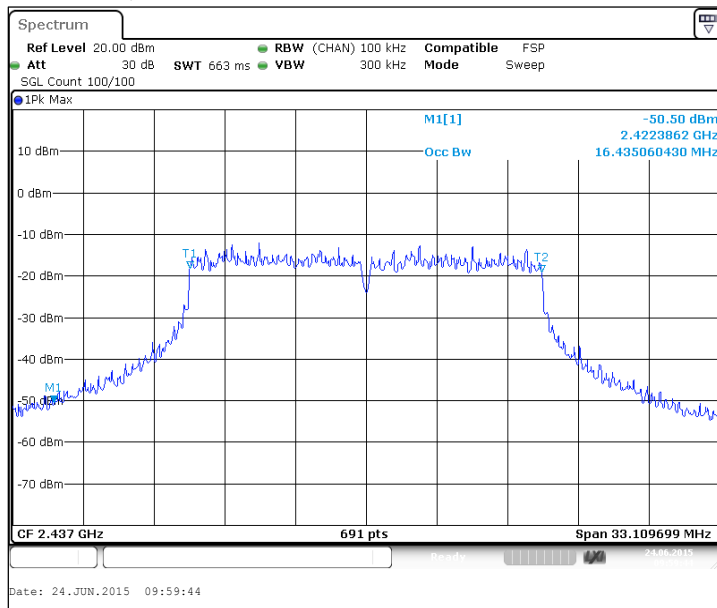
4.3.1 802.11g mode, BPSK modulation, 9 Mbps data rate

Channel / f _c [MHz]	6 dB bandwidth [kHz]	Result
1 / 2412 MAIN	16435.9	PASSED
6 / 2437 MAIN	16435.1	PASSED
11 / 2462 MAIN	16387	PASSED
1 / 2412 AUX	16435.9	PASSED
6 / 2437 AUX	16435.1	PASSED
11 / 2462 AUX	16368.6	PASSED

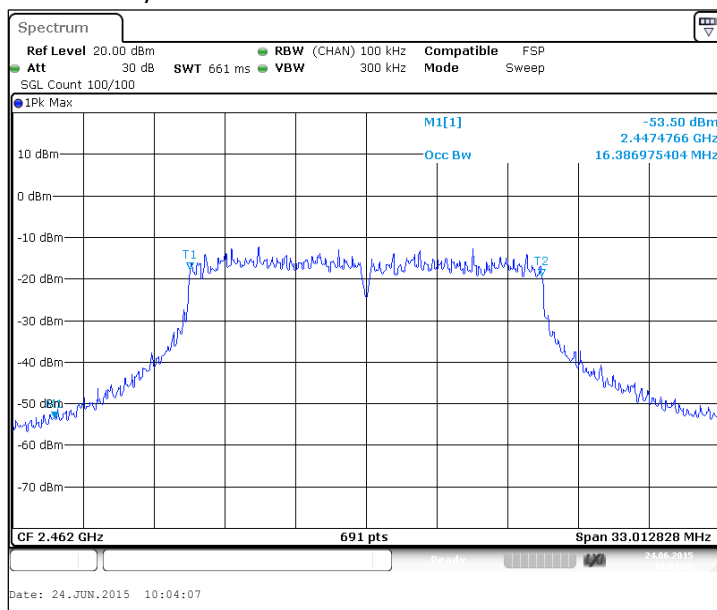
Channel 1 / 2412 MHz



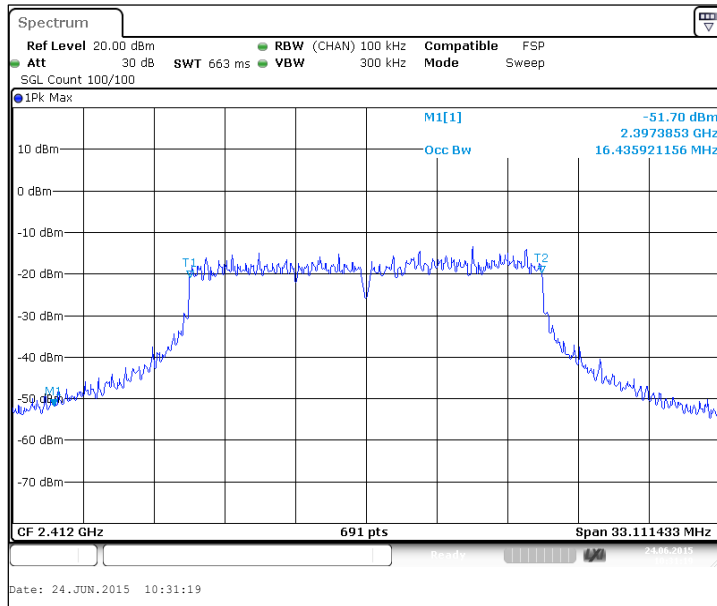
Channel 6 / 2437 MHz



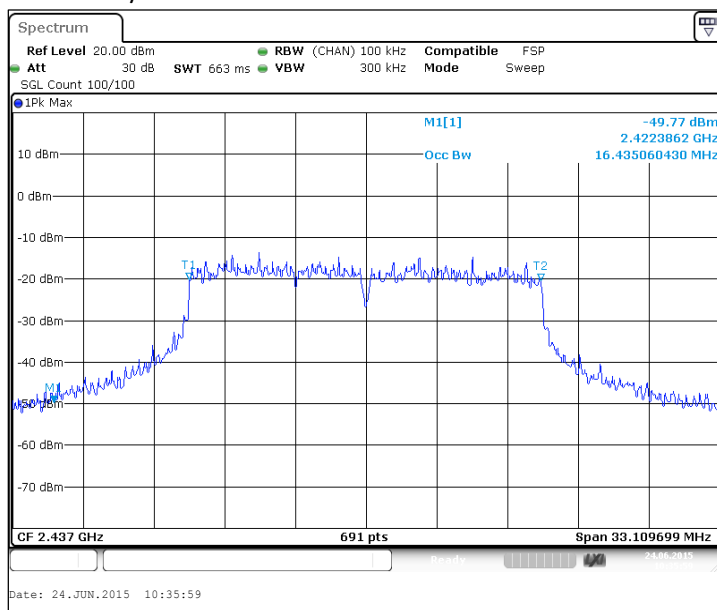
Channel 11 / 2462 MHz



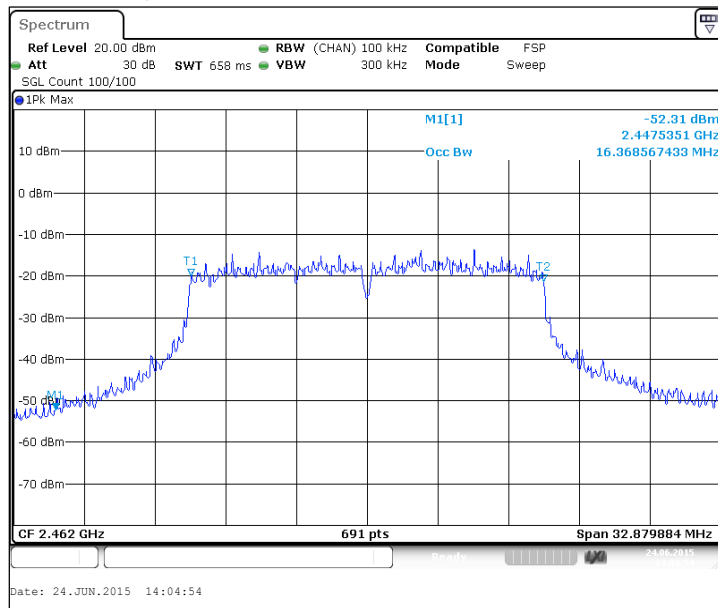
Channel 1 / 2412 MHz



Channel 6 / 2437 MHz



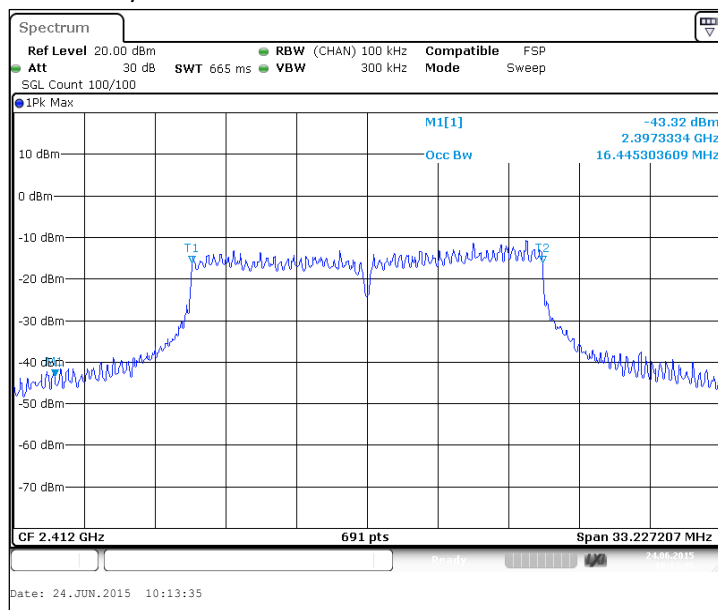
Channel 11 / 2462 MHz



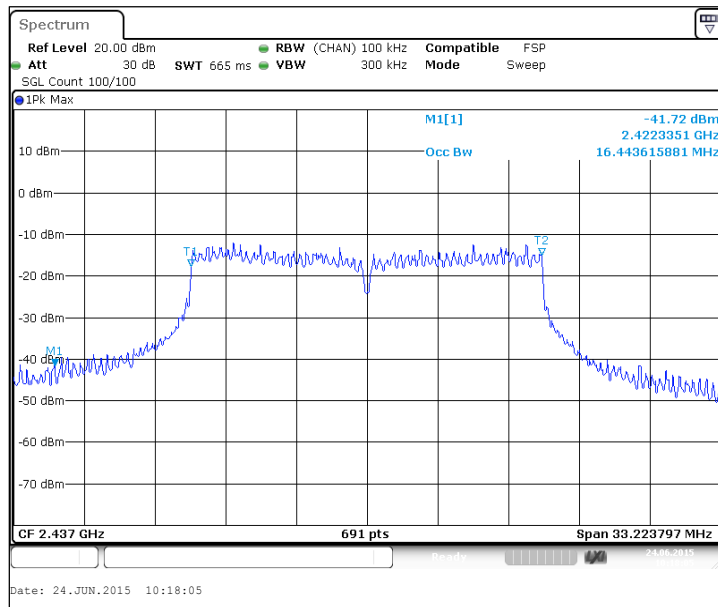
4.3.2 802.11g mode, 16QAM modulation, 24 Mbps data rate

Channel / f _c [MHz]	6 dB bandwidth [kHz]	Result
1 / 2412 MAIN	16445.3	PASSED
6 / 2437 MAIN	16443.6	PASSED
11 / 2462 MAIN	16442.8	PASSED
1 / 2412 AUX	16493.4	PASSED
6 / 2437 AUX	16493.1	PASSED
11 / 2462 AUX	16435.9	PASSED

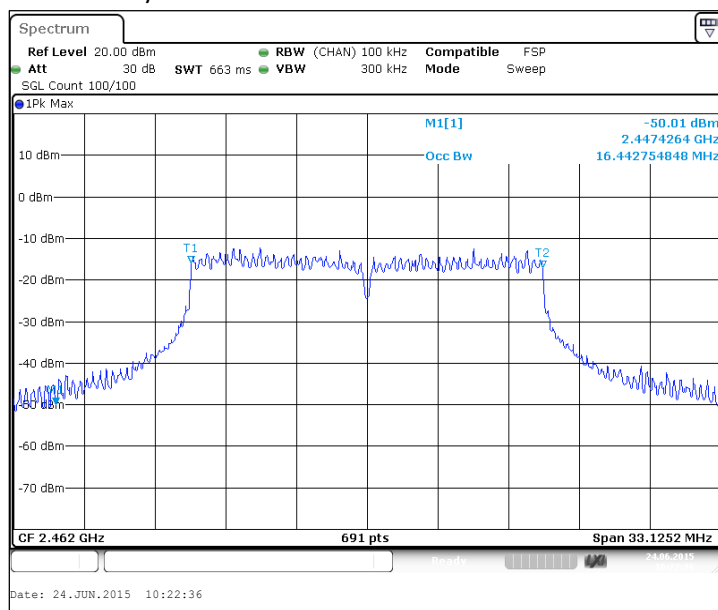
Channel 1 / 2412 MHz



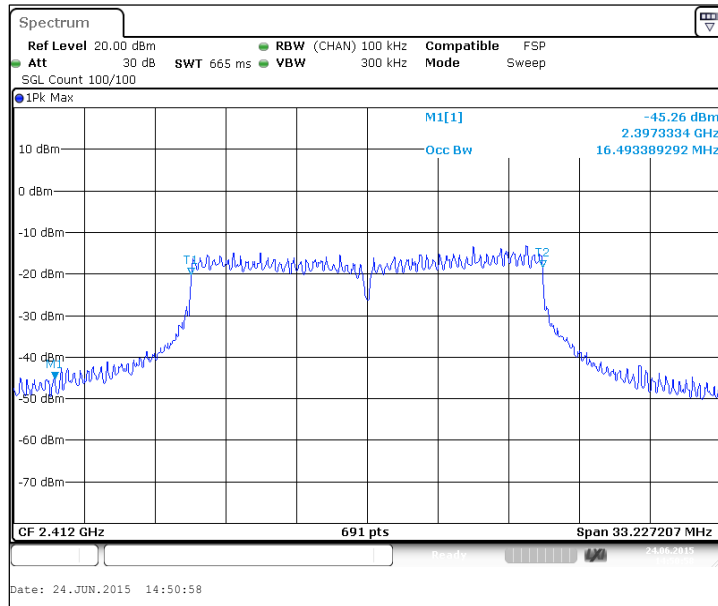
Channel 6 / 2437 MHz



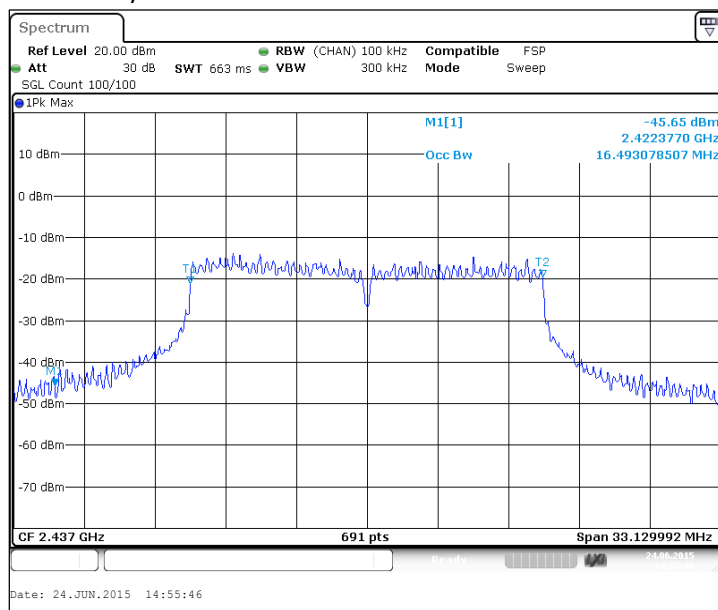
Channel 11 / 2462 MHz



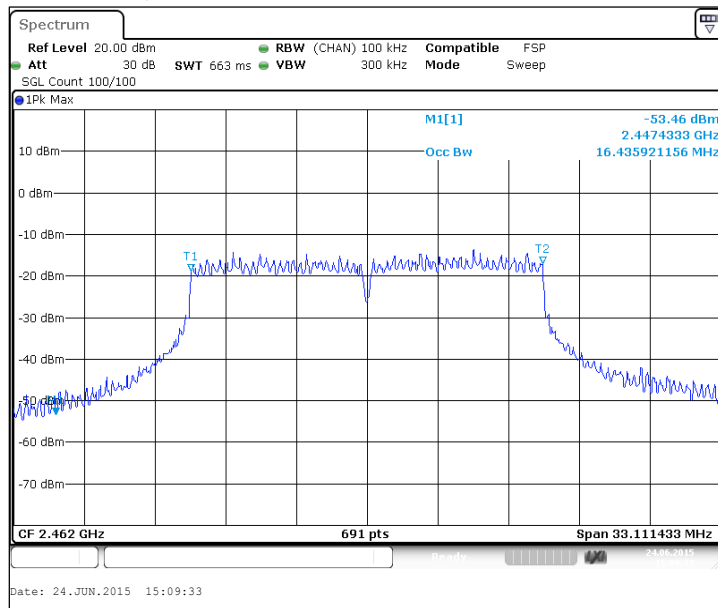
Channel 1 / 2412 MHz



Channel 6 / 2437 MHz



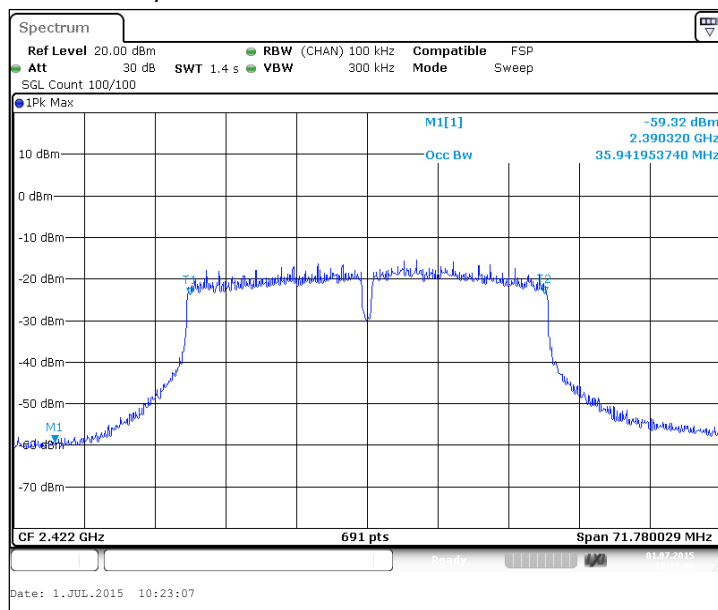
Channel 11 / 2462 MHz



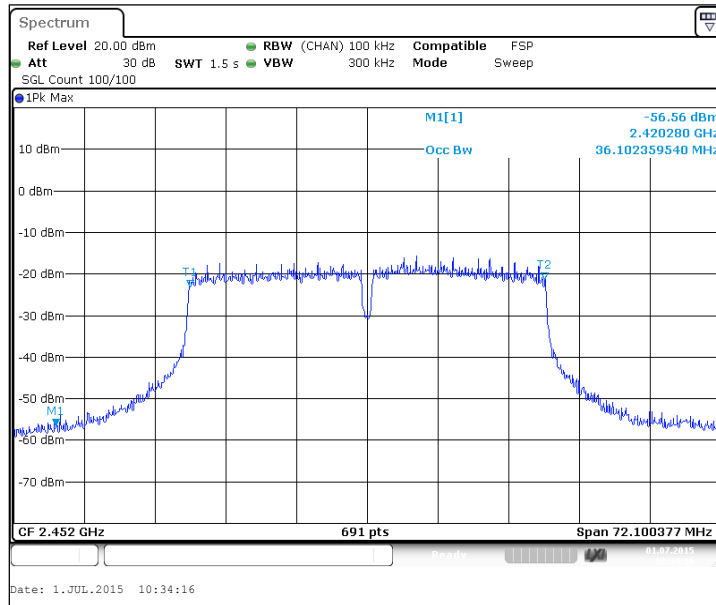
4.3.3 802.11n mode, BPSK modulation, 13.5 / 15.0 Mbps data rate

Channel / f _c [MHz]	6 dB bandwidth [kHz]	Result
1-5 / 2422 MAIN	35942	PASSED
7-11 / 2452 MAIN	36102.4	PASSED
4-8 / 2437 MAIN	36173.8	PASSED
1-5 / 2422 AUX	36057.9	PASSED
4-8 / 2437 AUX	36057.8	PASSED
7-11 / 2452 AUX	36162	PASSED

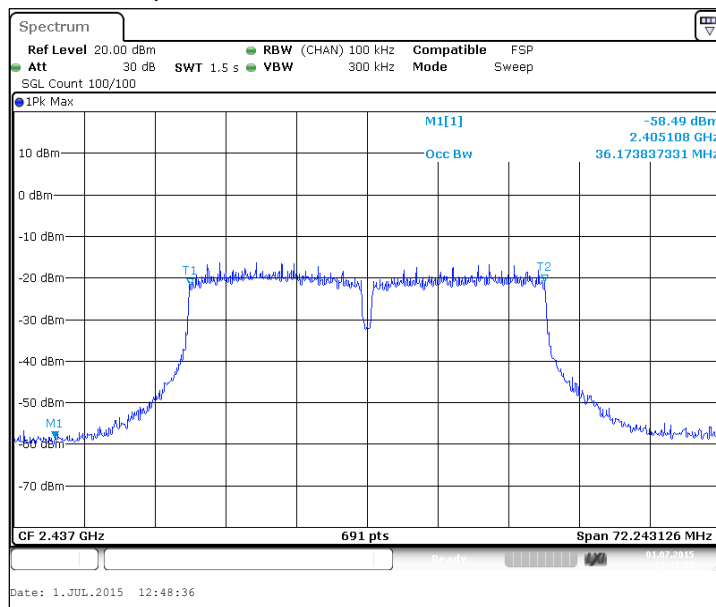
Channel 1-5 / 2422 MHz



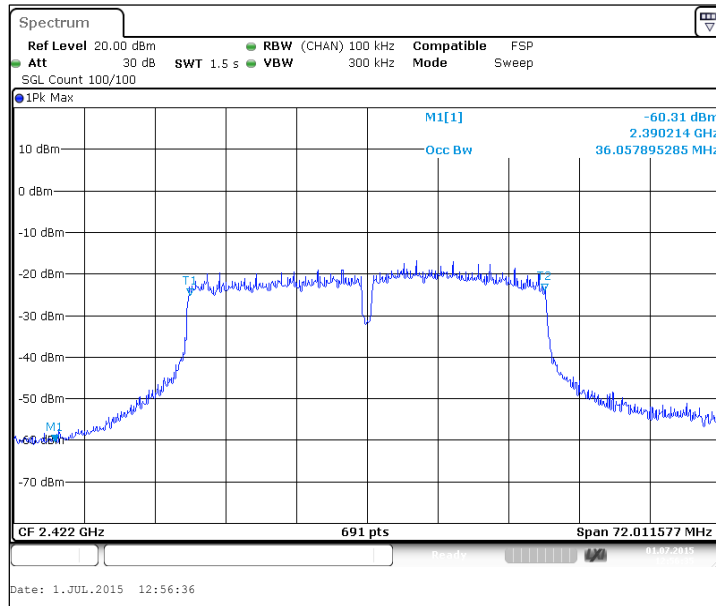
Channel 7-11 / 2452 MHz



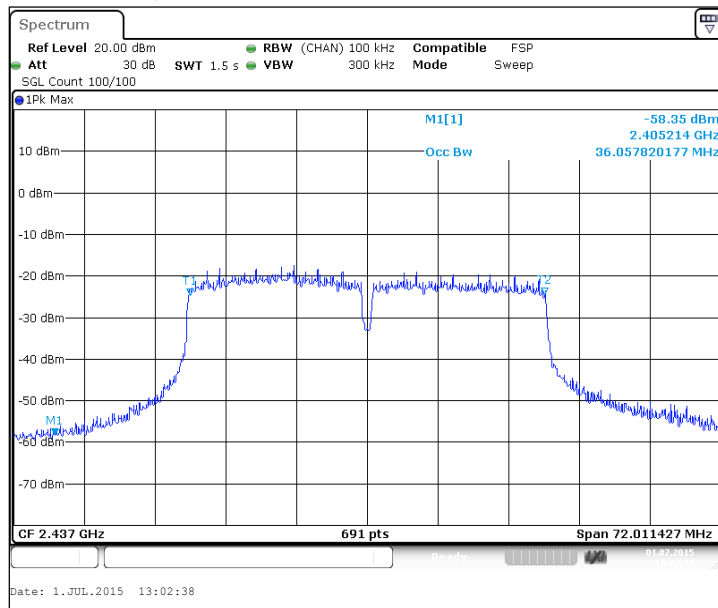
Channel 4-8 / 2437 MHz



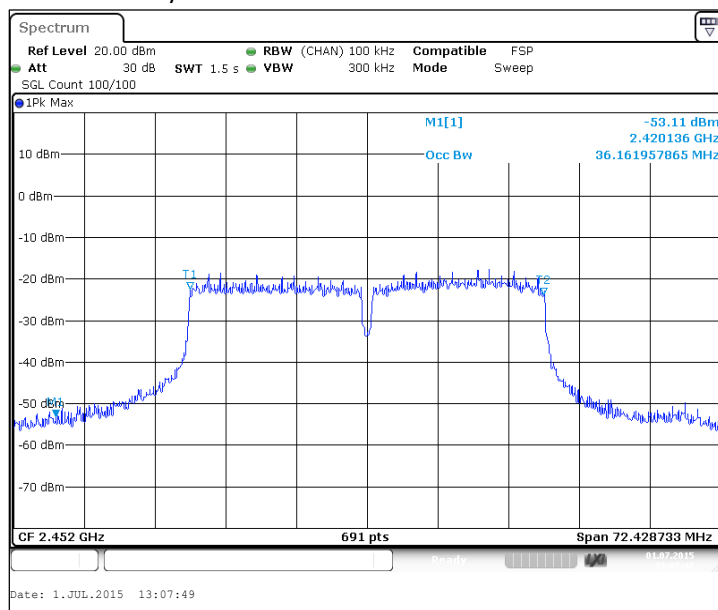
Channel 1-5 / 2422 MHz



Channel 4-8 / 2437 MHz



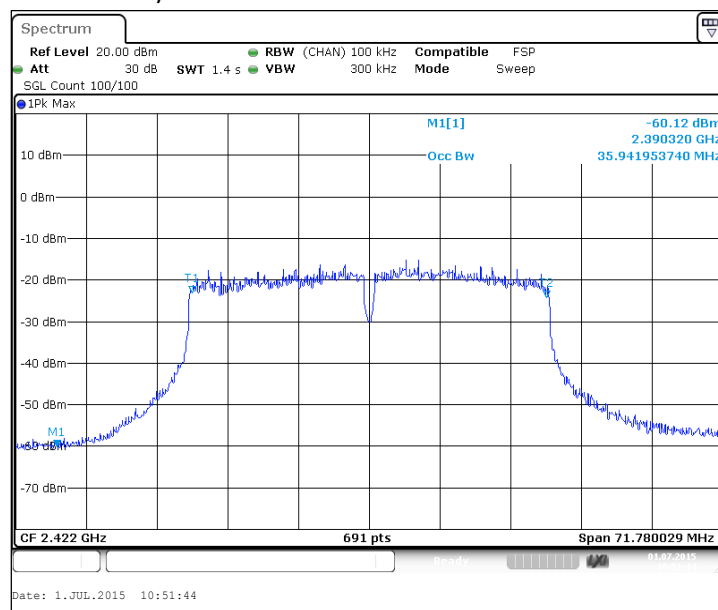
Channel 7-11 / 2452 MHz



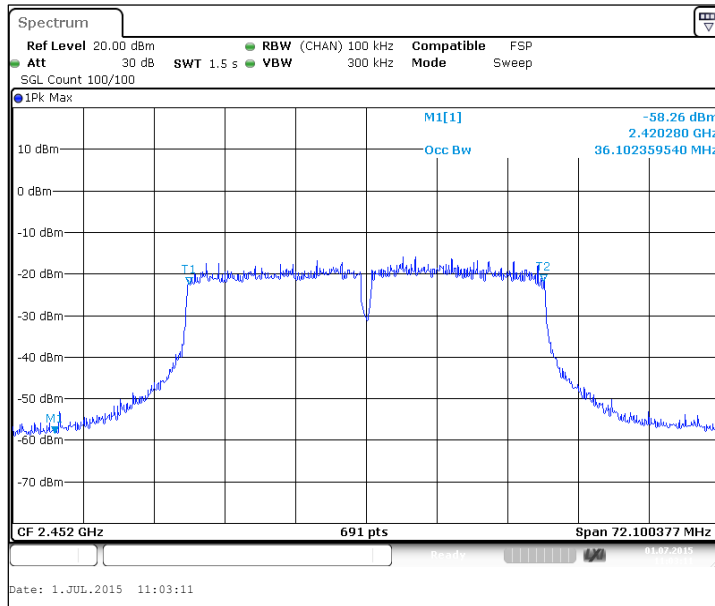
4.3.4 802.11n mode, QPSK modulation, 40.5 / 45.0 Mbps data rate

Channel / f _c [MHz]	6 dB bandwidth [kHz]	Result
1-5 / 2422 MAIN	35942	PASSED
7-11 / 2452 MAIN	36102.4	PASSED
4-8 / 2437 MAIN	36206.9	PASSED
1-5 / 2422 AUX	36149.7	PASSED
4-8 / 2437 AUX	36149	PASSED
7-11 / 2452 AUX	36253.4	PASSED

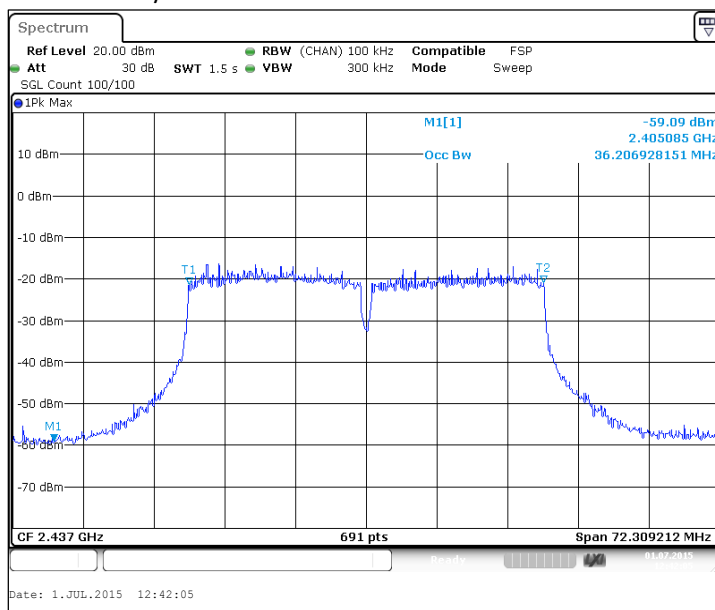
Channel 1-5 / 2422 MHz



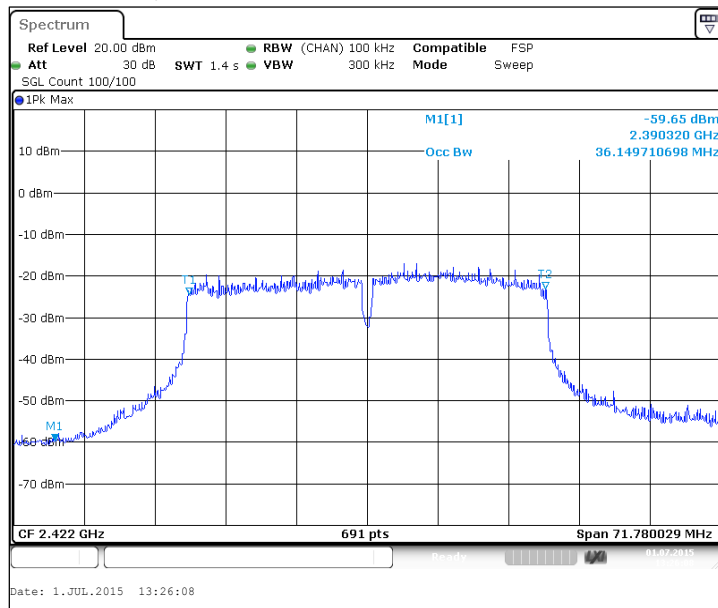
Channel 7-11 / 2452 MHz



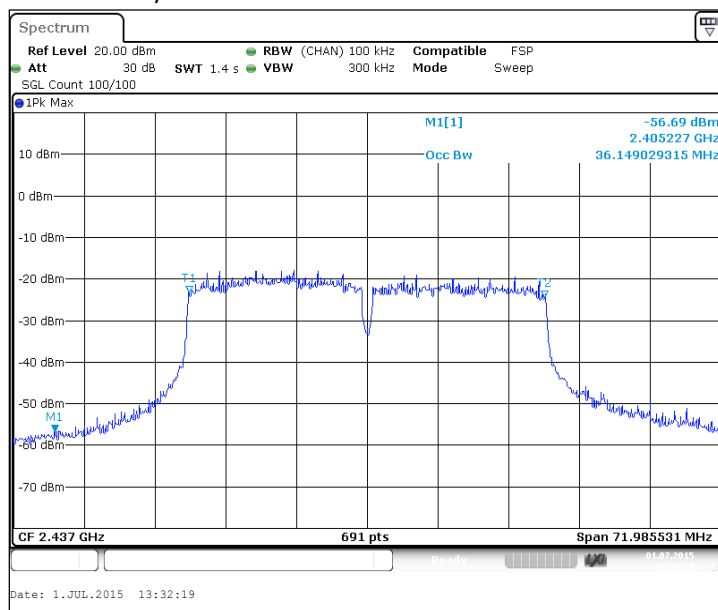
Channel 4-8 / 2437 MHz



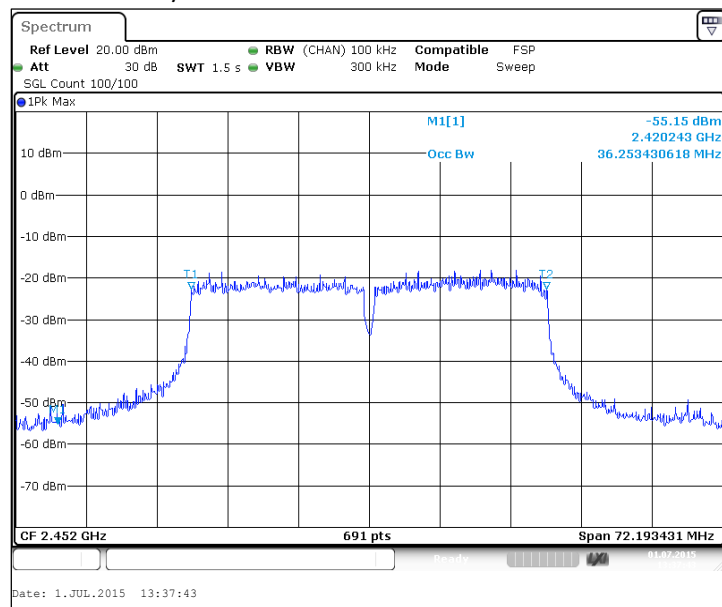
Channel 1-5 / 2422 MHz



Channel 4-8 / 2437 MHz



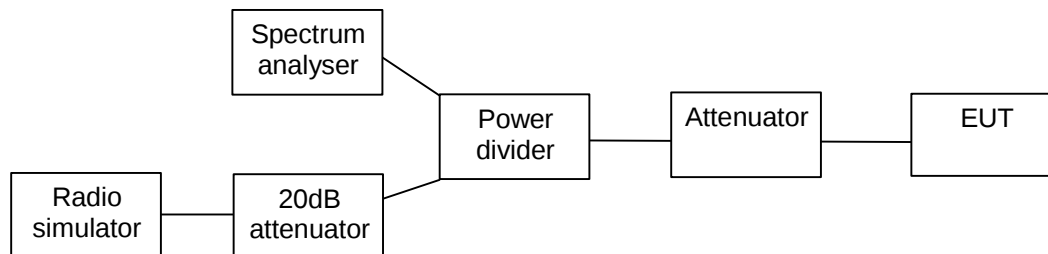
Channel 7-11 / 2452 MHz



5. Power spectral density (FCC §15.247(e), RSS-210 A8.2(b))

EUT with DUT number	RM-1104, DUT 100007
Accessories with DUT numbers	SD-244R, DUT 100021 ; WH-308, DUT 100029
Operation Voltage [V] / [Hz]	Nominal
Results	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.1
Date of measurements	24-Jun-2015
Measured by	Jari Keto

5.1. Test Setup



5.2. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

Limits for power spectral density measurements

Limit [dBm] @ 3 kHz
<= 8

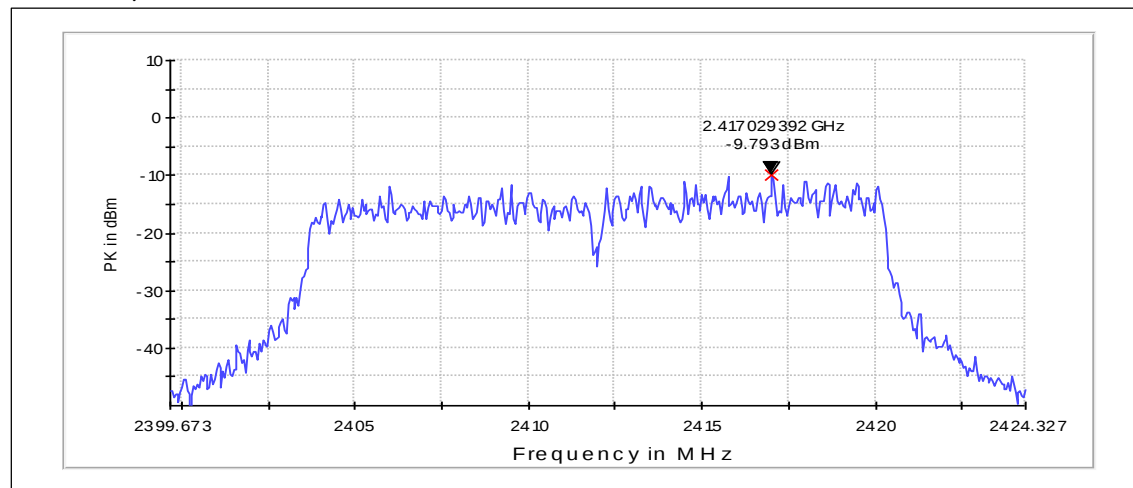
5.3. WLAN Test results

5.3.1 802.11g mode, BPSK modulation, 9 Mbps data rate

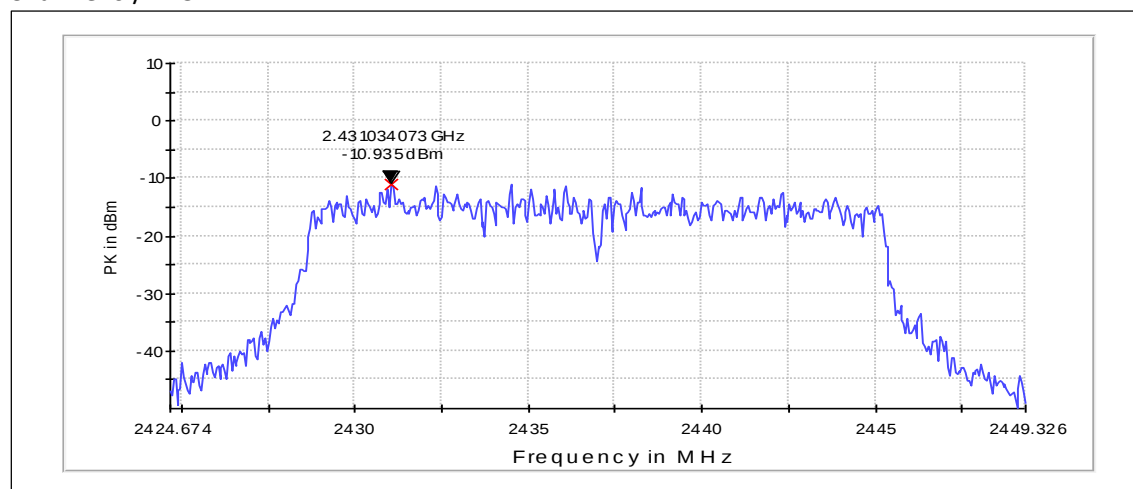
Peak (RBW: 3 kHz, VBW: 10 kHz, Max hold)

Channel / f _c [MHz]	P [dBm]	Result
1 / 2412 MAIN	-9.79	PASSED
6 / 2437 MAIN	-10.94	PASSED
11 / 2462 MAIN	-10.67	PASSED
1 / 2412 AUX	-12.27	PASSED
6 / 2437 AUX	-12.01	PASSED
11 / 2462 AUX	-12.63	PASSED

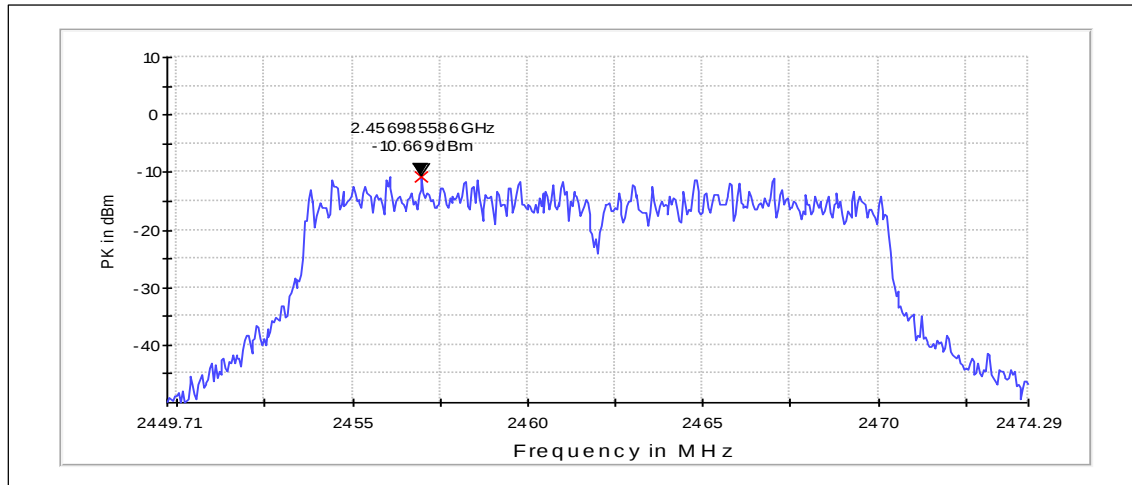
Channel 1 / 2412 MHz



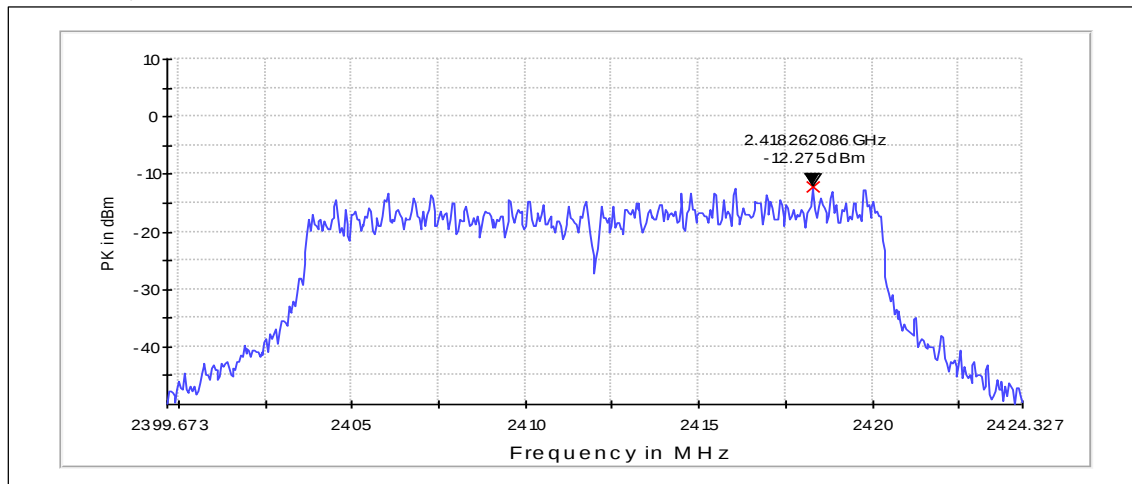
Channel 6 / 2437 MHz



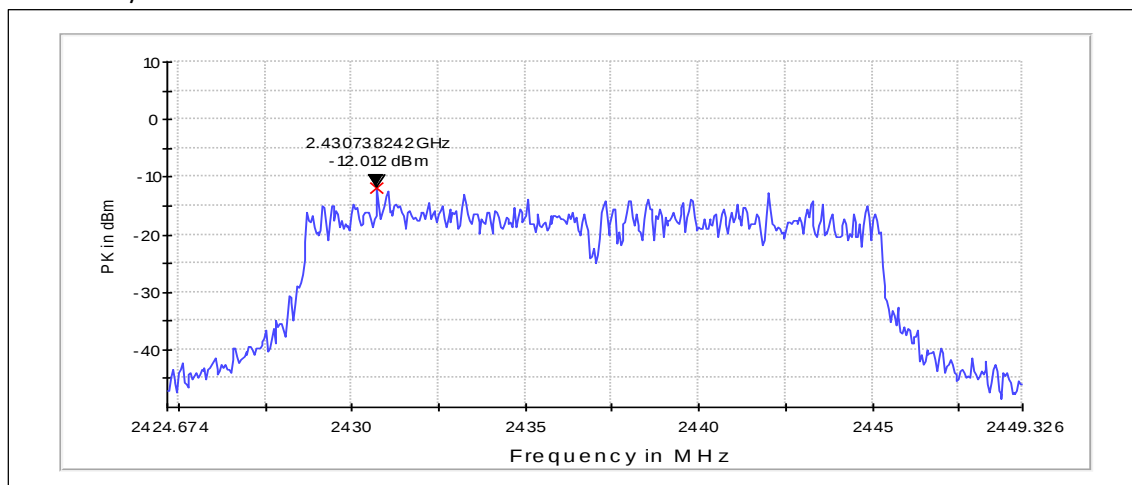
Channel 11 / 2462 MHz



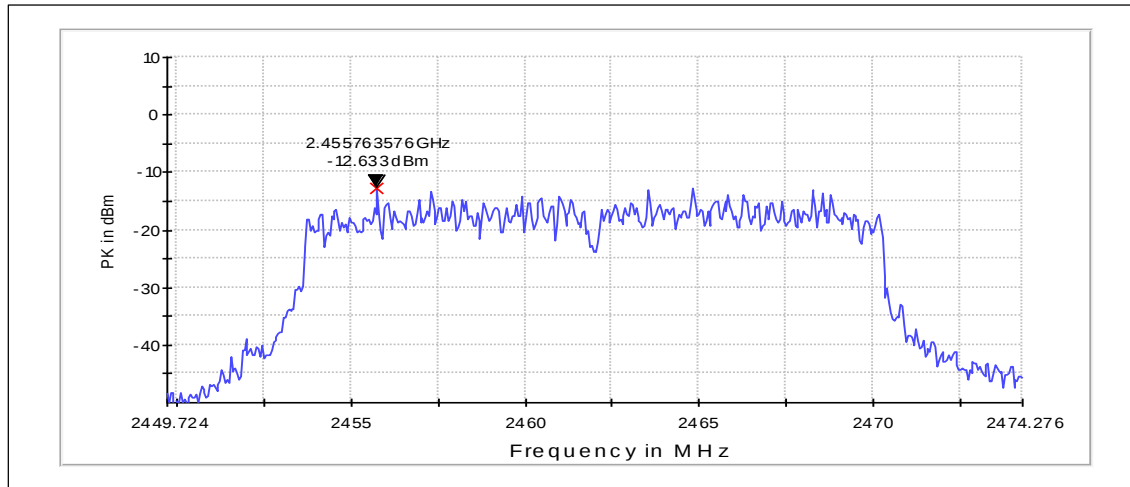
Channel 1 / 2412 MHz



Channel 6 / 2437 MHz



Channel 11 / 2462 MHz

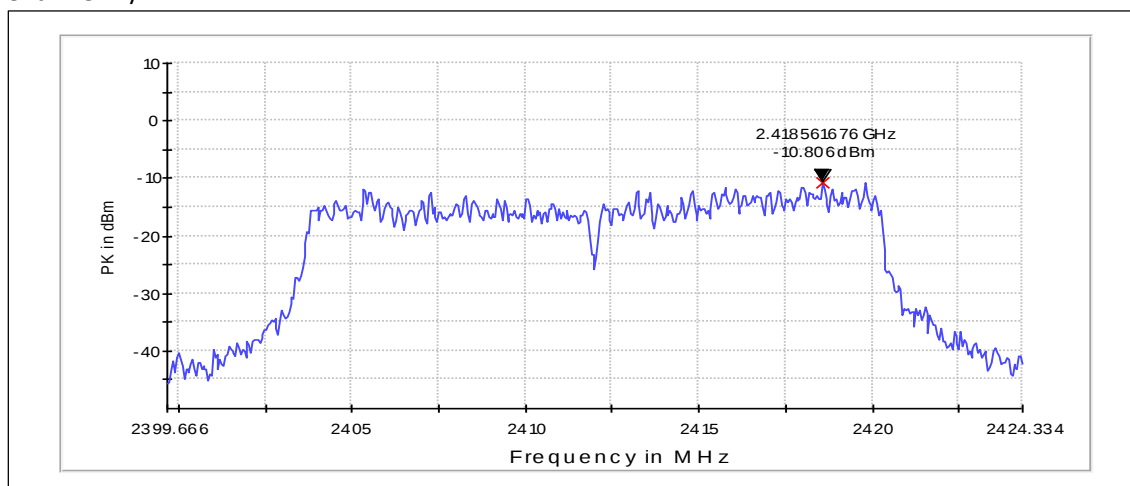


5.3.2 802.11g mode, 16QAM modulation, 24 Mbps data rate

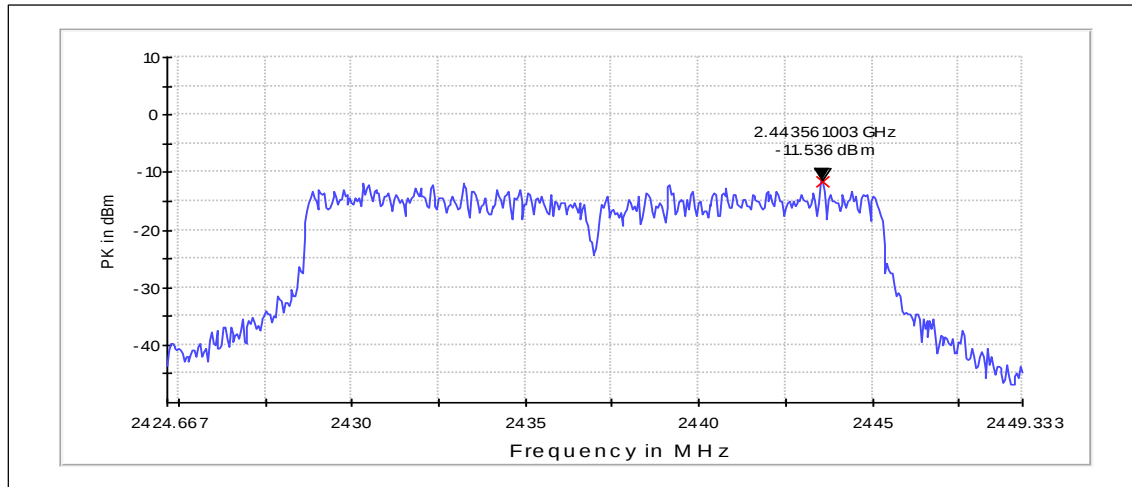
Peak (RBW: 3 kHz, VBW: 10 kHz, Max hold)

Channel / f_c [MHz]	P [dBm]	Result
1 / 2412 MAIN	-10.81	PASSED
6 / 2437 MAIN	-11.54	PASSED
11 / 2462 MAIN	-12.03	PASSED
1 / 2412 AUX	-12.65	PASSED
6 / 2437 AUX	-12.69	PASSED
11 / 2462 AUX	-14.33	PASSED

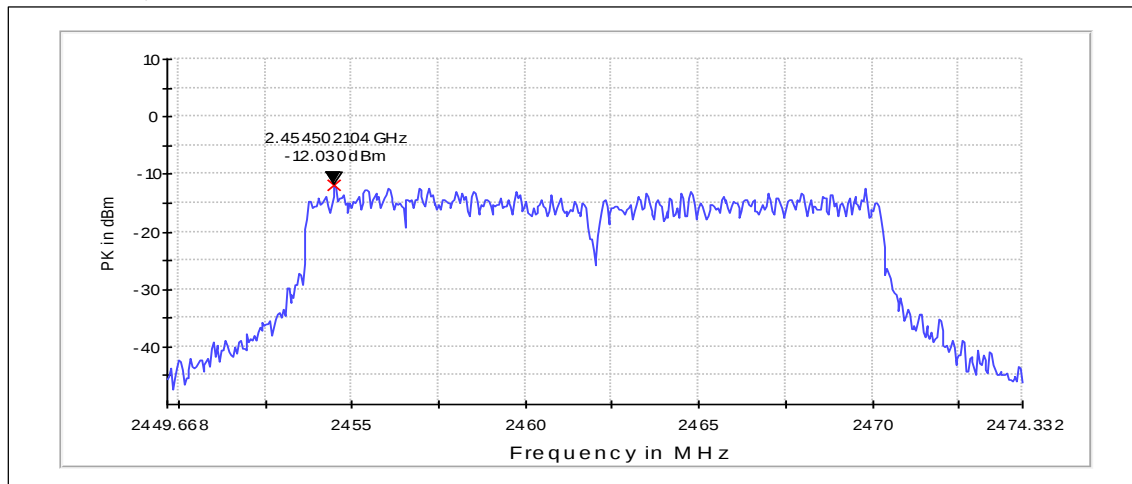
Channel 1 / 2412 MHz



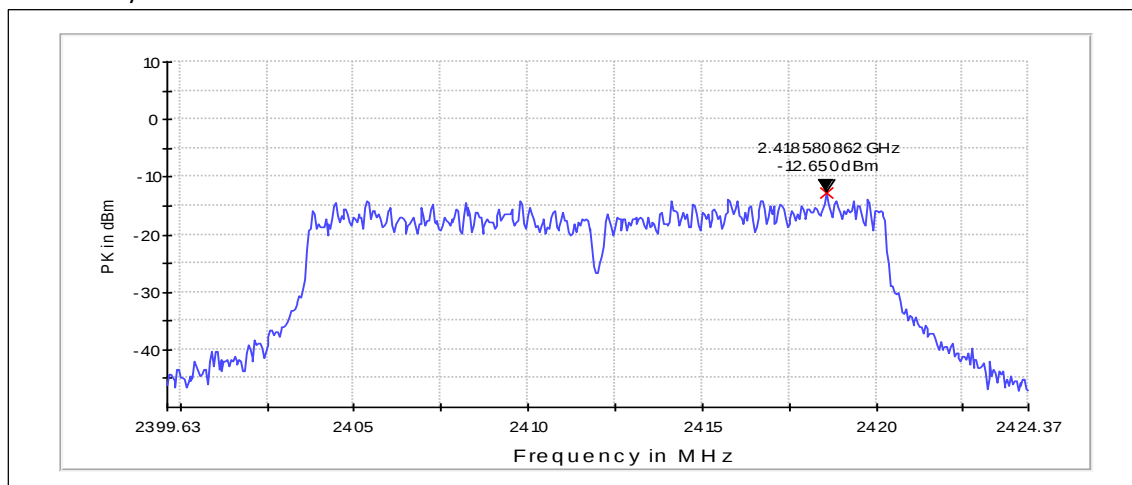
Channel 6 / 2437 MHz



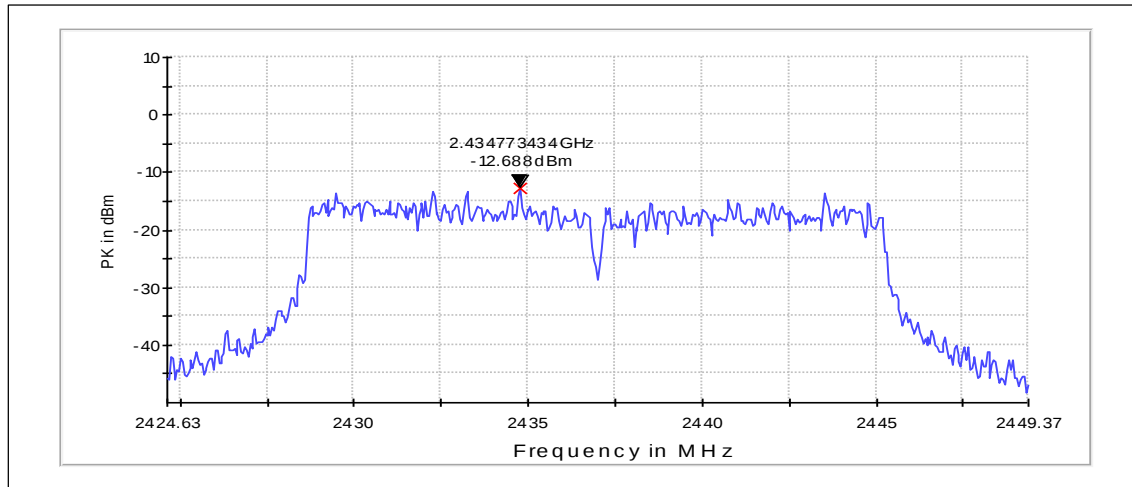
Channel 11 / 2462 MHz



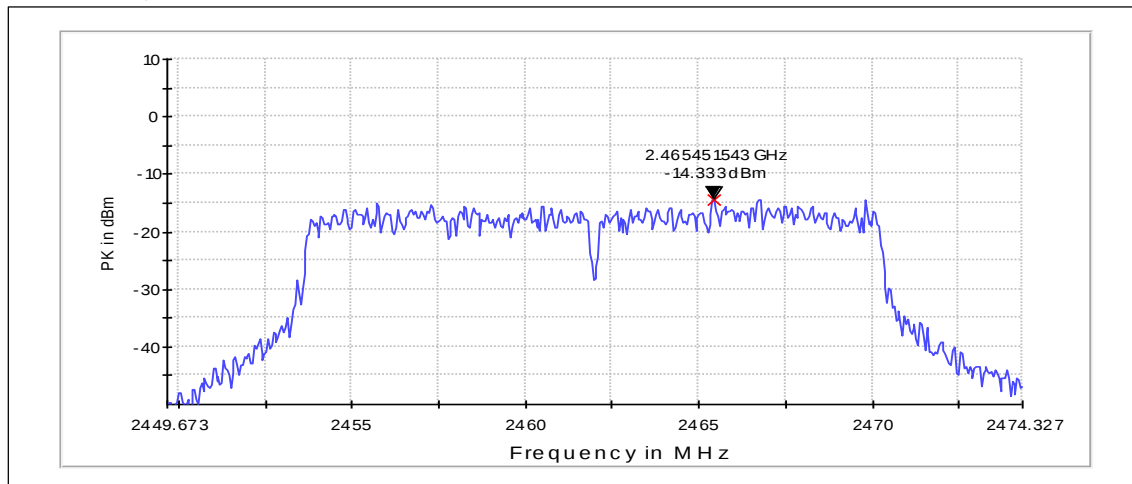
Channel 1 / 2412 MHz



Channel 6 / 2437 MHz



Channel 11 / 2462 MHz

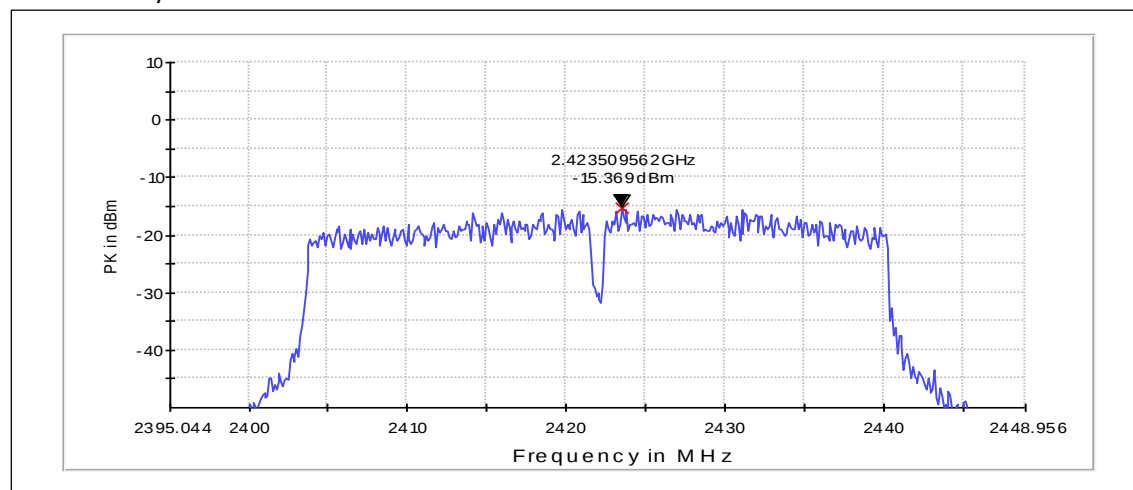


5.3.3 802.11n mode, BPSK modulation, 13.5 / 15.0 Mbps data rate

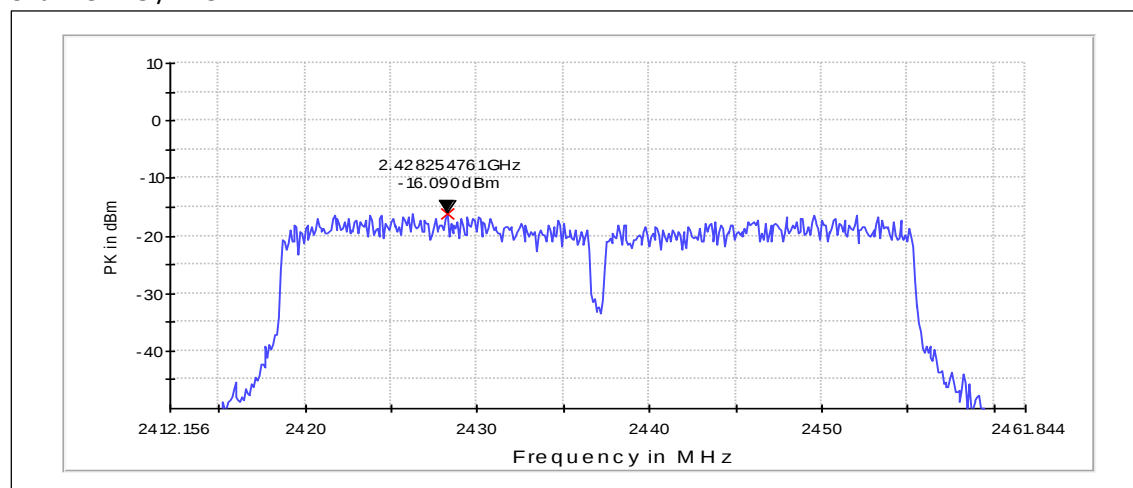
Peak (RBW: 3 kHz, VBW: 10 kHz, Max hold)

Channel / f _c [MHz]	P [dBm]	Result
1-5 / 2422 MAIN	-15.37	PASSED
4-8 / 2437 MAIN	-16.09	PASSED
7-11 / 2452 MAIN	-15.18	PASSED
1-5 / 2422 AUX	-16.5	PASSED
4-8 / 2437 AUX	-17.32	PASSED
7-11 / 2452 AUX	-17.72	PASSED

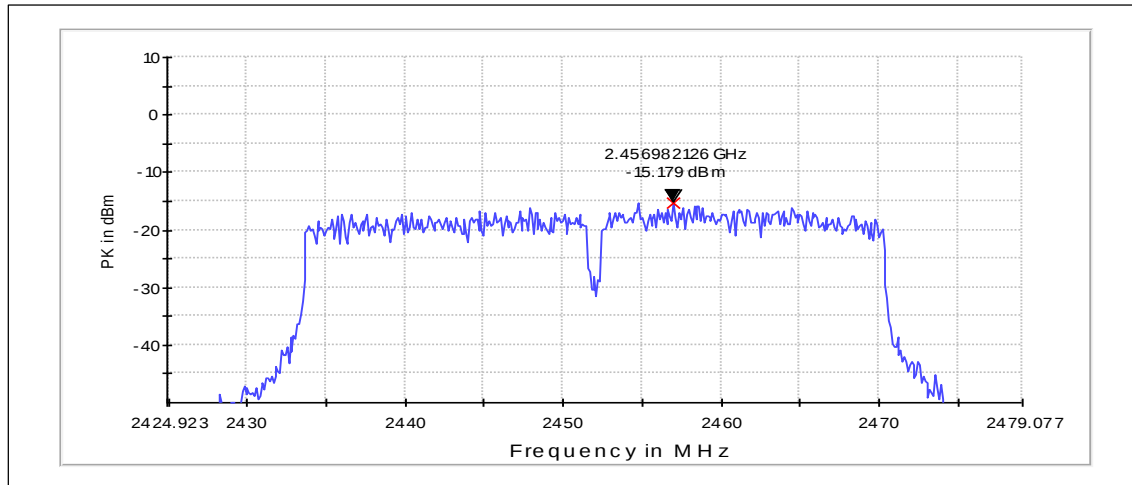
Channel 1-5 / 2422 MHz



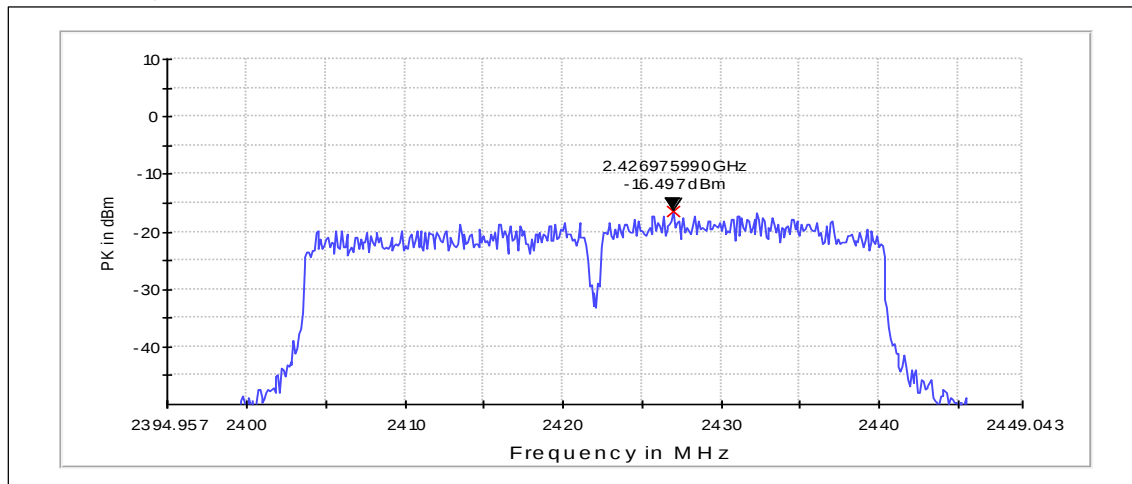
Channel 4-8 / 2437 MHz



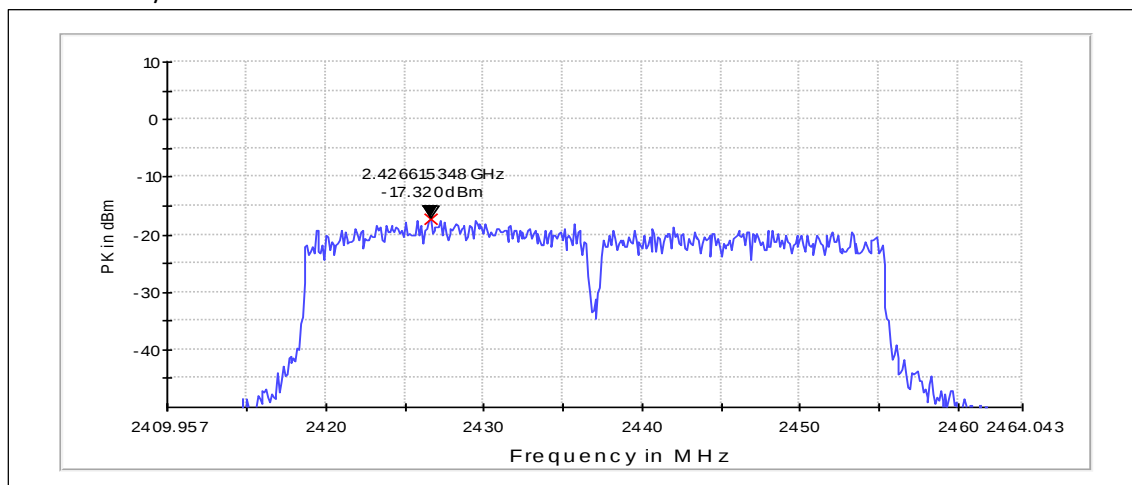
Channel 7-11 / 2452 MHz



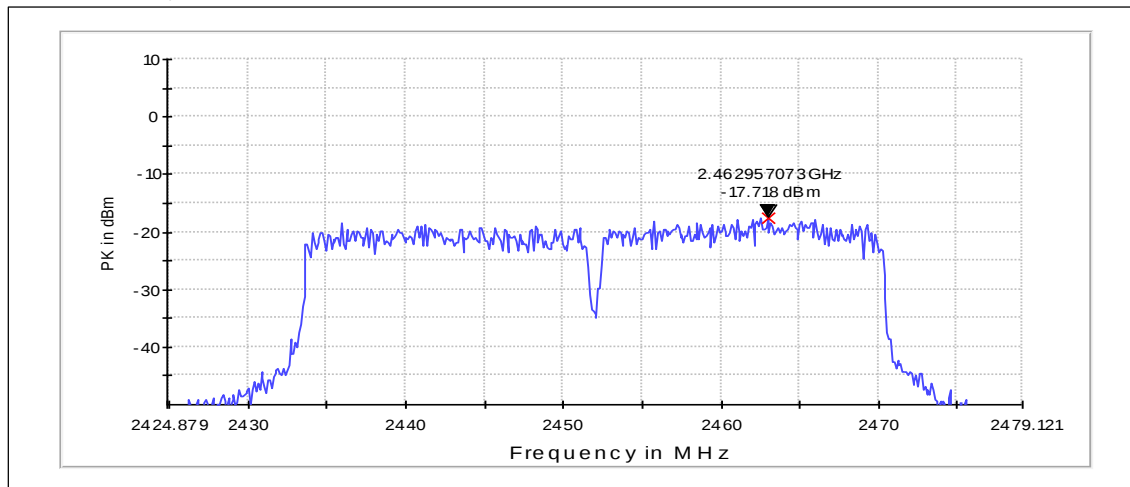
Channel 1-5 / 2422 MHz



Channel 4-8 / 2437 MHz



Channel 7-11 / 2452 MHz

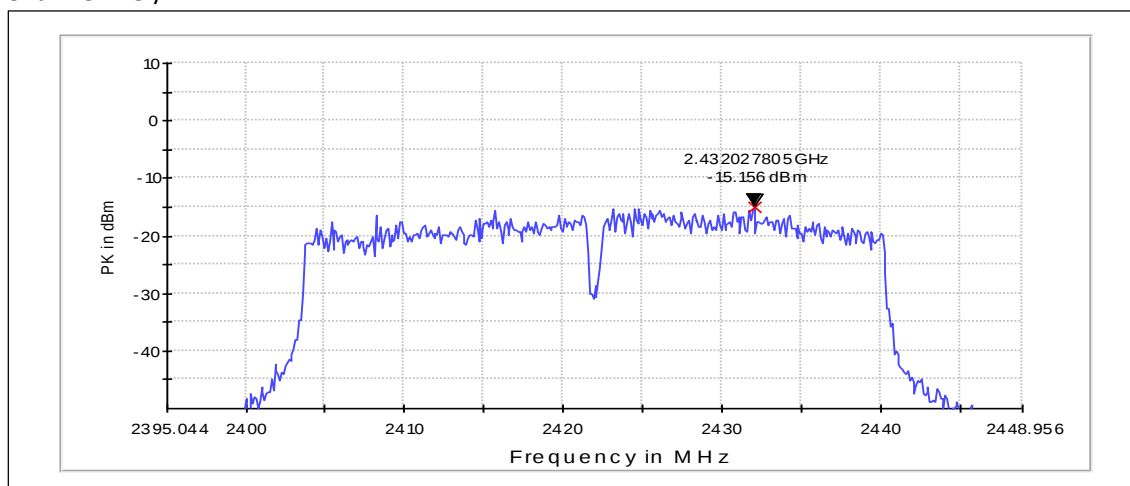


5.3.4 802.11n mode, QPSK modulation, 40.5 / 45.0 Mbps data rate

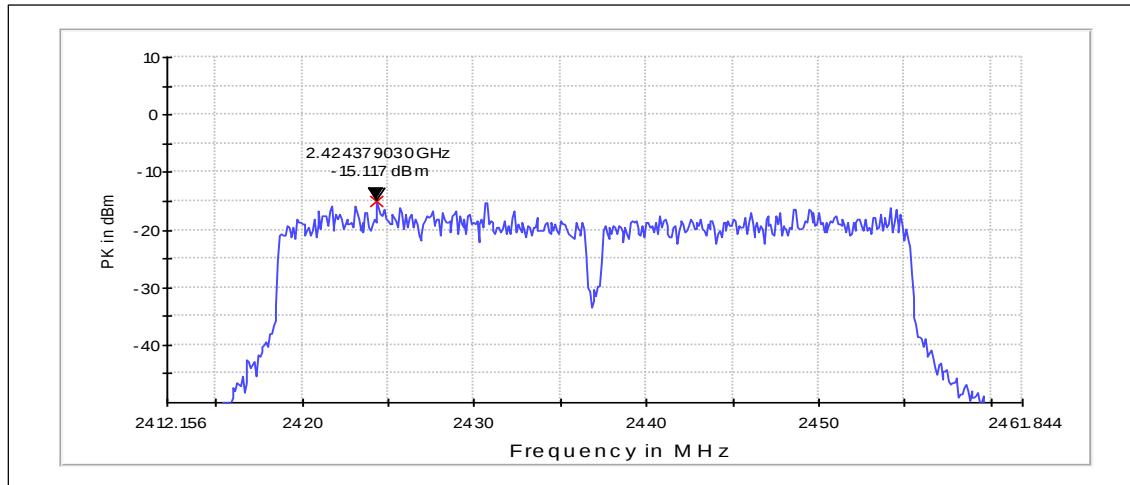
Peak (RBW: 3 kHz, VBW: 10 kHz, Max hold)

Channel / f _c [MHz]	P [dBm]	Result
1-5 / 2422 MAIN	-15.16	PASSED
4-8 / 2437 MAIN	-15.12	PASSED
7-11 / 2452 MAIN	-14.65	PASSED
1-5 / 2422 AUX	-16.23	PASSED
4-8 / 2437 AUX	-16.24	PASSED
7-11 / 2452 AUX	-16.27	PASSED

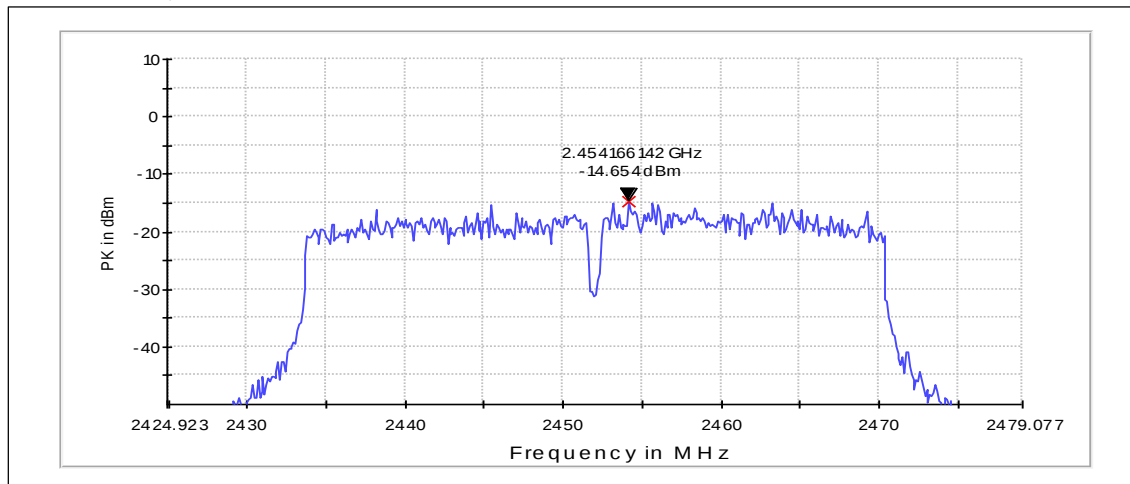
Channel 1-5 / 2422 MHz



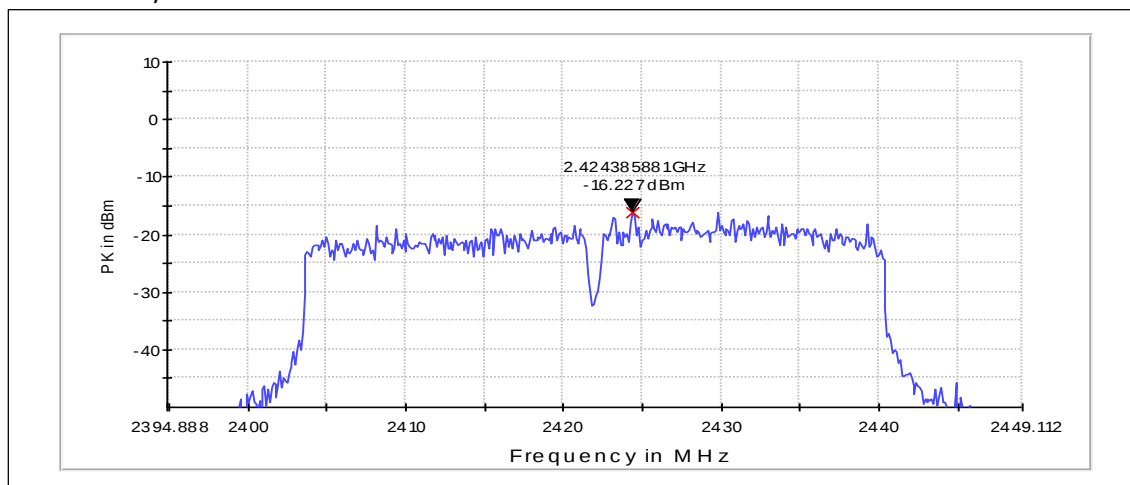
Channel 4-8 / 2437 MHz



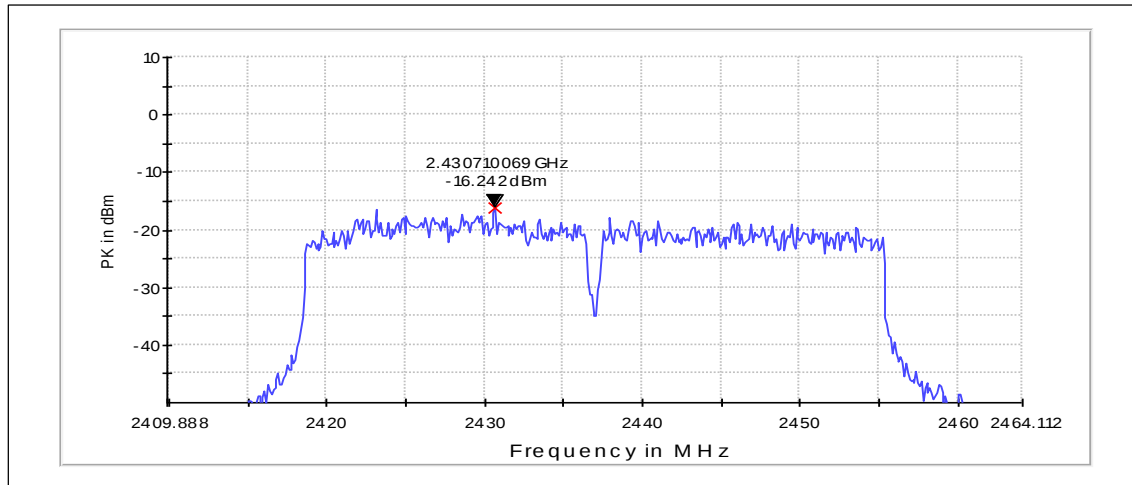
Channel 7-11 / 2452 MHz



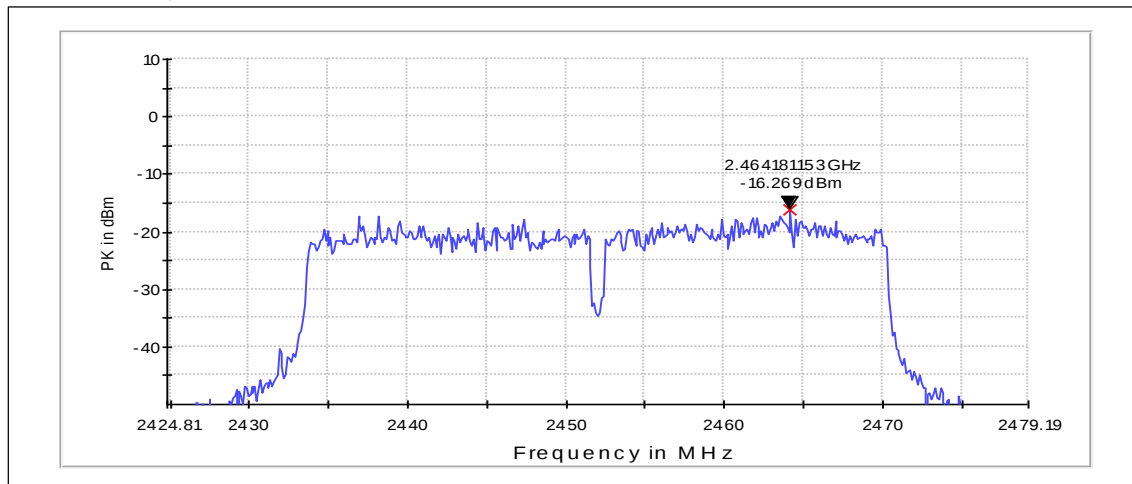
Channel 1-5 / 2422 MHz



Channel 4-8 / 2437 MHz



Channel 7-11 / 2452 MHz



6. Test Equipment

6.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
6039	USB Interface	5541765	Testo	22/24/27, 15C, 15B
6044	V-network	ESH3-Z6	R&S	-
2059	V-network	ESH3-Z6	R&S	-
1759	LISN 50 µH	ESH3-Z5	R&S	22/24/27, 15C, 15B
2097	Pulse Limiter	ESH3-Z2	R&S	22/24/27, 15C, 15B
1999	Receiver	ESIB26	R&S	22/24/27, 15C, 15B
2180	Communication Tester	CMU200	R&S	22/24/27, 15C, 15B
2390	Directional Coupler	DC2600	AR	-
-	RF immunity / Emission Software	EMC32	R&S	22/24/27, 15C, 15B
2060	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
1759	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
2039	Power Supply	PL330QMD	Thurlby	15C, 15B
6036	Data Logger	175-H2	Testo	22/24/27, 15C, 15B
2359	Temperature Test Chamber	VT4002	Vötsch	22/24/27
2352	Spectrum Analyzer	FSP-30	R&S	22/24/27, 15C
6109	Communication Tester	CMU200	R&S	22/24/27, 15C
6246	Power Supply	66332A	HP	22/24/27, 15C
1992	Signal Generator	83630B	Agilent	15C, 15B
6098	Signal Generator	8648C	Agilent	-
6046	Attenuator 10dB	8493C	Agilent	22/24/27, 15C
6047	Attenuator 20dB	8493C	Agilent	22/24/27, 15C
6045	Power splitter	11667B	Agilent	22/24/27, 15C
6247	Communication Tester	CBT	R&S	22/24/27, 15C 15B
6052	Communication Tester	CMU200	R&S	22/24/27, 15C 15B
6248	Power Supply	6632B	-	22/24/27, 15C 15B
6106	Spectrum Analyzer	FSP-30	R&S	22/24/27, 15C 15B
6113	Signal Generator	SMF100A	R&S	22/24/27, 15C 15B
6202	Temperature Test Chamber	VT4002	Vötsch	22/24/27, 15C 15B
6122	Power Splitter	11667B	Agilent	22/24/27, 15C 15B
6134	Attenuator 10dB	BW-S10-2W263+	Mini-Circuits	22/24/27, 15C
6136	Attenuator 20dB	BW-S20-2W263+	Mini-Circuits	22/24/27, 15C
6103	Bluetooth tester	CBT	R&S	22/24/27, 15C 15B
6250	Power Supply	6651A	Agilent	22/24/27, 15C 15B
6108	Communication Tester	CMU200	R&S	22/24/27, 15C 15B
6105	Spectrum Analyzer	FSV-30	R&S	22/24/27, 15C 15B
6251	Temperature Test Chamber	VT4002	Vötsch	22/24/27, 15C 15B
6243	Power Splitter	1167B	Agilent	22/24/27, 15C 15B
6245	Attenuator 10dB	BW-S10-2W263+	Mini-Circuits	22/24/27, 15C 15B
6244	Attenuator 20dB	BW-S20-2W263+	Mini-Circuits	22/24/27, 15C 15B

6.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
2388	Bluetooth Tester	CBT	R&S	15B
10479	Communication Tester	CMW500	R&S	22/24/27, 15C, 15B
2347	Communication Tester	CMU200	R&S	22/24/27, 15C, 15B
2009	Signal Generator	SMP 22	R&S	22/24/27, 15C, 15B
2348	Controller	G-1000DXC	Yaesu	22/24/27, 15C, 15B
2349	Computer Controller	g-1000DXC	Yaesu	22/24/27, 15C, 15B
2116	Controller	EMCO 2090	ETS	22/24/27, 15C, 15B
2109	Power Supply	PL330QMD	Thurlby	22/24/27, 15C, 15B

Eq. No	Equipment	Type	Manufacturer	Used in
2353	Receiver	ESIB26	R&S	22/24/27, 15C, 15B
6115	Open switch and control unit	OSP 130	R&S	22/24/27, 15C, 15B
6116	Open switch and control unit	OSP 150	R&S	22/24/27, 15C, 15B
6117	Open switch and control unit	OSP 150	R&S	22/24/27, 15C, 15B
6131	Notch Filter	WRCT902.4-0.4/40-8SS	Wainwright	22/24/27, 15C, 15B
6130	Notch Filter	WRCD1880-1.1.25/50-10SS	Wainwright	22/24/27
6159	Band Reject Filter	WRCD1747.8-0.4/40-5SS	Wainwright	22/24/27, 15C, 15B
6158	Band Reject Filter	WRCT836.6-0.4/40-8SS	Wainwright	22/24/27, 15C, 15B
6197	Band Reject Filter	WRCJV2531/2539-2523/2547-60/12SS	Wainwright	22/24/27, 15C, 15B
2231	Band Reject Filter	WRCG1947/1953-1940/1960-40/6SS	Wainwright	22/24/27, 15C, 15B
2391	Band Reject Filter	WRCG1729.4/1735.4-1722.4/1742.4-40/6SS	Wainwright	27
2386	Band Reject Filter	WRCG1764.4/1770.4-1760.4/1774.4-40/6SS	Wainwright	22/24/27, 15C, 15B
2385	Band Reject Filter	WRCG1744.4/1750.4-1740.4/1754.4-40/6SS	Wainwright	22/24/27, 15C, 15B
2357	Band Reject Filter	WRCG2400/2483-2390/2493-35/10SS	Wainwright	15C
2188	Preamplifier	AFS4-00100300-20-23P-6	Miteq	22/24/27, 15C, 15B
6195	High Pass Filter	-	Wainwright	22/24/27, 15C, 15B
2364	Band Reject Filter	WRCG1877/1883 - 1870/1890-40/6SS	Wainwright	24
2361	Anechoic Chamber	3 m Semi / Full Anechoic Chamber	Euroshield	22/24/27, 15C, 15B
6212	Antenna Array system	-	TCC	22/24/27, 15C, 15B
-	RF immunity / Emission Software	EMC32	R&S	22/24/27, 15C, 15B
6089	Antenna	HFH2-Z2	R&S	15C, 15B
2027	CDN	M2 (modified) DC1	MEB	22/24/27, 15C, 15B
2028	CDN	M3 (modified) DC2	MEB	22/24/27, 15C, 15B
2176	CDN	CDN 801-M3	Lüthi	22/24/27, 15C, 15B
2135	CDN	CDN 801-M3	Lüthi	22/24/27, 15C, 15B
2029	Power Supply	PL330	Thurlby	22/24/27, 15C
6038	Data Logger	Testo 580	Testo	22/24/27, 15C, 15B
6037	Data Logger	175-H2	Testo	22/24/27, 15C, 15B
6039	USB Interface	5541765	Testo	22/24/27, 15C, 15B

END OF REPORT