

FCC Part 15E Compliance Test Report

Test Report no.:	FCC15E_RM-1105_10_pwr.docx	Date of Report:	04-Mar-2015
Number of pages:	95	Customer's Contact person:	Tia Melava
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		
FCC ID:	PYARM-1105	IC:	661X-RM1105
Supplement reports:	-		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart E, ANSI C63.4 (2014), DTS procedures KDB 789033 D02 v01, 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:			

Hannu Söderholm, Engineer, EMC

1. Summary for FCC Part 15E Compliance Test Report

Date of receipt	15-Jun-2015
Testing completed	25-Jun-2015
The customer's contact person	Tia Melava
Test Plan referred to	T:\Projects\RM-1105\TestPlan\RS_TestPlan_RM-1105.xlsm
Notes	-
Document name	T:\Projects\RM-1105\EMC\COPY reports\wlanpwr\FCC15E_RM-1105_10_pwr.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

1.2. Summary of Test Results

5 GHz RLAN:

Section in CFR 47	Section in RSS-GEN or RSS-210	Name of the test	Result
15.407(a)	A9.2	Conducted peak output power	PASSED
15.407(b)	A9.2	Band edge compliance of RF emissions	-
15.407(b)	A9.2	Spurious radiated emissions	-
15.407(b)(6)	A9.2	AC powerline conducted emissions	-
	A9.2	6dB(bandwidth)	-
	A9.2	26dB(bandwidth)	-
15.407(a)	A9.2	Maximum power spectral density	-

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.

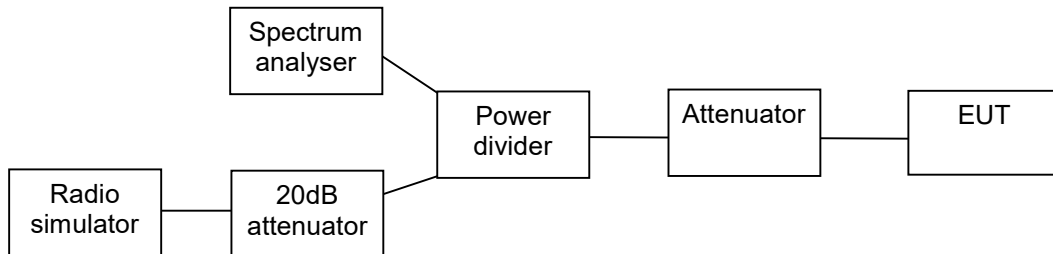
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2. Conducted peak output power (FCC §15.407(a), RSS-210 A9.2)

EUT with DUT number	RM-1104, DUT 100007
Accessories with DUT numbers	SD-244R, DUT 100021
Operation Voltage [V] / [Hz]	Nominal
Results	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	-
Date of measurements	25-Jun-2015
Measured by	Jari Keto

2.1. Test Setup



2.2. Test method and limit

The measurement is made according to Public Notice KDB 789033 D02 v01 and IC standard RSS-210.

Limits for Maximum conducted output power measurements

Frequency range [MHz]	Limit [mW] / [dBm]	Limit [dBm]	Limit [dBm] for B=20 MHz
5150-5250	250 (24)	-	24
5250-5350	250 (24)	11+10 log B	24
5470-5725	250 (24)	11+10 log B	24
5725-5850	1000 (30)	-	30

2.3. Power results summary

Channel / fC [MHz]	Mode	Modulation	Data rate	Level [dBm]
36 / 5180	802.11a MAIN	BPSK	6 Mbps	13.66
36 / 5180	802.11a MAIN	BPSK	9 Mbps	13.66
36 / 5180	802.11a MAIN	QPSK	12 Mbps	13.61
36 / 5180	802.11a MAIN	QPSK	18 Mbps	13.72
36 / 5180	802.11a MAIN	16QAM	24 Mbps	13.69
36 / 5180	802.11a MAIN	16QAM	36 Mbps	12.96
36 / 5180	802.11a MAIN	64QAM	48 Mbps	13.06
36 / 5180	802.11a MAIN	64QAM	54 Mbps	12.09
36 / 5180	802.11n MAIN	BPSK	6.5 / 7.25 Mbps	13.55
36 / 5180	802.11n MAIN	QPSK	13.0 / 14.4 Mbps	13.37
36 / 5180	802.11n MAIN	QPSK	19.5 / 21.7 Mbps	13.6
36 / 5180	802.11n MAIN	16QAM	26.0 / 28.9 Mbps	13.09
36 / 5180	802.11n MAIN	16QAM	39.0 / 43.3 Mbps	13.1
36 / 5180	802.11n MAIN	64QAM	52.0 / 57.8 Mbps	12.18
36 / 5180	802.11n MAIN	64QAM	58.5 / 65.0 Mbps	12.26
36 / 5180	802.11n MAIN	64QAM	65.0 / 72.2 Mbps	12.16
36 / 5180	802.11ac MAIN	256QAM	78.0 / 86.7 Mbps	9.44
36+40 / 5190	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	14.48
36+40 / 5190	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	14.52
36+40 / 5190	802.11n MAIN	QPSK	40.5 / 45.0 Mbps	14.5
36+40 / 5190	802.11n MAIN	16QAM	54.0 / 60.0 Mbps	13.41
36+40 / 5190	802.11n MAIN	16QAM	81.0 / 90.0 Mbps	13.47
36+40 / 5190	802.11n MAIN	64QAM	108.0 / 120.0 Mbps	12.37
36+40 / 5190	802.11n MAIN	64QAM	121.5 / 135.0 Mbps	12.54
36+40 / 5190	802.11n MAIN	64QAM	135.0 / 150.0 Mbps	12.48
36+40 / 5190	802.11ac MAIN	256QAM	162.0 / 180.0 Mbps	9.6
36+40 / 5190	802.11ac MAIN	256QAM	180.0 / 200.0 Mbps	9.48
36-48 / 5210	802.11ac MAIN	BPSK	29.3 / 32.5 Mbps	13.01
36-48 / 5210	802.11ac MAIN	QPSK	58.5 / 65.0 Mbps	13.11
36-48 / 5210	802.11ac MAIN	QPSK	87.8 / 97.5 Mbps	13.12
36-48 / 5210	802.11ac MAIN	16QAM	117.0 / 130.0 Mbps	13.28
36-48 / 5210	802.11ac MAIN	16QAM	175.5 / 195.0 Mbps	13.29
36-48 / 5210	802.11ac MAIN	64QAM	234.0 / 260.0 Mbps	12.45
36-48 / 5210	802.11ac MAIN	64QAM	263.3 / 292.5 Mbps	12.38
36-48 / 5210	802.11ac MAIN	64QAM	292.5 / 325.0 Mbps	12.51
36-48 / 5210	802.11ac MAIN	256QAM	351.0 / 390.0 Mbps	9.61
36-48 / 5210	802.11ac MAIN	256QAM	390.0 / 433.3 Mbps	9.61
36 / 5180	802.11a AUX	BPSK	6 Mbps	13.77
36 / 5180	802.11a AUX	BPSK	9 Mbps	13.76
36 / 5180	802.11a AUX	QPSK	12 Mbps	13.69
36 / 5180	802.11a AUX	QPSK	18 Mbps	13.8
36 / 5180	802.11a AUX	16QAM	24 Mbps	13.73
36 / 5180	802.11a AUX	16QAM	36 Mbps	12.92
36 / 5180	802.11a AUX	64QAM	48 Mbps	13
36 / 5180	802.11a AUX	64QAM	54 Mbps	12.07
36 / 5180	802.11n AUX	BPSK	6.5 / 7.25 Mbps	13.58

36 / 5180	802.11n AUX	QPSK	13.0 / 14.4 Mbps	13.4
36 / 5180	802.11n AUX	QPSK	19.5 / 21.7 Mbps	13.61
36 / 5180	802.11n AUX	16QAM	26.0 / 28.9 Mbps	13.02
36 / 5180	802.11n AUX	16QAM	39.0 / 43.3 Mbps	13.02
36 / 5180	802.11n AUX	64QAM	52.0 / 57.8 Mbps	12.16
36 / 5180	802.11n AUX	64QAM	58.5 / 65.0 Mbps	12.22
36 / 5180	802.11n AUX	64QAM	65.0 / 72.2 Mbps	12.12
36 / 5180	802.11ac AUX	256QAM	78.0 / 86.7 Mbps	9.48
36+40 / 5190	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.43
36+40 / 5190	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.47
36+40 / 5190	802.11n AUX	QPSK	40.5 / 45.0 Mbps	14.45
36+40 / 5190	802.11n AUX	16QAM	54.0 / 60.0 Mbps	13.25
36+40 / 5190	802.11n AUX	16QAM	81.0 / 90.0 Mbps	13.32
36+40 / 5190	802.11n AUX	64QAM	108.0 / 120.0 Mbps	12.28
36+40 / 5190	802.11n AUX	64QAM	121.5 / 135.0 Mbps	12.46
36+40 / 5190	802.11n AUX	64QAM	135.0 / 150.0 Mbps	12.38
36+40 / 5190	802.11ac AUX	256QAM	162.0 / 180.0 Mbps	9.59
36+40 / 5190	802.11ac AUX	256QAM	180.0 / 200.0 Mbps	9.48
36-48 / 5210	802.11ac AUX	BPSK	29.3 / 32.5 Mbps	12.86
36-48 / 5210	802.11ac AUX	QPSK	58.5 / 65.0 Mbps	12.97
36-48 / 5210	802.11ac AUX	QPSK	87.8 / 97.5 Mbps	12.95
36-48 / 5210	802.11ac AUX	16QAM	117.0 / 130.0 Mbps	13.14
36-48 / 5210	802.11ac AUX	16QAM	175.5 / 195.0 Mbps	13.14
36-48 / 5210	802.11ac AUX	64QAM	234.0 / 260.0 Mbps	12.3
36-48 / 5210	802.11ac AUX	64QAM	263.3 / 292.5 Mbps	12.24
36-48 / 5210	802.11ac AUX	64QAM	292.5 / 325.0 Mbps	12.36
36-48 / 5210	802.11ac AUX	256QAM	351.0 / 390.0 Mbps	9.43
36-48 / 5210	802.11ac AUX	256QAM	390.0 / 433.3 Mbps	9.44
36 / 5180	802.11a MAIN	BPSK	6 Mbps	14.72
40 / 5200	802.11a MAIN	BPSK	6 Mbps	14.55
48 / 5240	802.11a MAIN	BPSK	6 Mbps	14.7
52 / 5260	802.11a MAIN	BPSK	6 Mbps	14.75
60 / 5300	802.11a MAIN	BPSK	6 Mbps	14.6
64 / 5320	802.11a MAIN	BPSK	6 Mbps	14.69
100 / 5500	802.11a MAIN	BPSK	6 Mbps	15.09
116 / 5580	802.11a MAIN	BPSK	6 Mbps	14.96
140 / 5700	802.11a MAIN	BPSK	6 Mbps	14.95
149 / 5745	802.11a MAIN	BPSK	6 Mbps	22.77
157 / 5785	802.11a MAIN	BPSK	6 Mbps	22.81
165 / 5825	802.11a MAIN	BPSK	6 Mbps	22.96
36 / 5180	802.11a MAIN	QPSK	18 Mbps	14.81
40 / 5200	802.11a MAIN	QPSK	18 Mbps	14.65
48 / 5240	802.11a MAIN	QPSK	18 Mbps	14.82
52 / 5260	802.11a MAIN	QPSK	18 Mbps	14.87
60 / 5300	802.11a MAIN	QPSK	18 Mbps	14.72
64 / 5320	802.11a MAIN	QPSK	18 Mbps	14.82
100 / 5500	802.11a MAIN	QPSK	18 Mbps	15.22
116 / 5580	802.11a MAIN	QPSK	18 Mbps	15.09

140 / 5700	802.11a MAIN	QPSK	18 Mbps	15.08
149 / 5745	802.11a MAIN	QPSK	18 Mbps	22.7
157 / 5785	802.11a MAIN	QPSK	18 Mbps	22.7
165 / 5825	802.11a MAIN	QPSK	18 Mbps	22.84
36 / 5180	802.11a AUX	BPSK	6 Mbps	13.8
40 / 5200	802.11a AUX	BPSK	6 Mbps	13.69
48 / 5240	802.11a AUX	BPSK	6 Mbps	13.83
52 / 5260	802.11a AUX	BPSK	6 Mbps	13.89
60 / 5300	802.11a AUX	BPSK	6 Mbps	13.88
64 / 5320	802.11a AUX	BPSK	6 Mbps	14.02
100 / 5500	802.11a AUX	BPSK	6 Mbps	14.21
116 / 5580	802.11a AUX	BPSK	6 Mbps	14.06
140 / 5700	802.11a AUX	BPSK	6 Mbps	13.91
149 / 5745	802.11a AUX	BPSK	6 Mbps	-16.17
149 / 5745	802.11a AUX	BPSK	6 Mbps	-16.06
36 / 5180	802.11a AUX	QPSK	18 Mbps	13.88
40 / 5200	802.11a AUX	QPSK	18 Mbps	13.8
48 / 5240	802.11a AUX	QPSK	18 Mbps	13.96
52 / 5260	802.11a AUX	QPSK	18 Mbps	14.01
60 / 5300	802.11a AUX	QPSK	18 Mbps	14.06
64 / 5320	802.11a AUX	QPSK	18 Mbps	14.2
100 / 5500	802.11a AUX	QPSK	18 Mbps	14.48
116 / 5580	802.11a AUX	QPSK	18 Mbps	14.34
140 / 5700	802.11a AUX	QPSK	18 Mbps	14.22
149 / 5745	802.11a AUX	BPSK	6 Mbps	21.81
157 / 5785	802.11a AUX	BPSK	6 Mbps	21.71
165 / 5825	802.11a AUX	BPSK	6 Mbps	21.95
149 / 5745	802.11a AUX	QPSK	18 Mbps	21.74
157 / 5785	802.11a AUX	QPSK	18 Mbps	21.6
165 / 5825	802.11a AUX	QPSK	18 Mbps	21.81
36+40 / 5190	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	15.54
44+48 / 5230	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	15.43
52+56 / 5270	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	15.55
60+64 / 5310	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	15.41
100+104 / 5510	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	15.77
108+112 / 5550	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	15.75
149+153 / 5755	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	23.61
157+161 / 5795	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	23.91
36+40 / 5190	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	15.59
44+48 / 5230	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	15.48
52+56 / 5270	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	15.58
60+64 / 5310	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	15.45
100+104 / 5510	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	15.81
108+112 / 5550	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	15.79
132+136 / 5670	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	15.35
149+153 / 5755	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	23.38
157+161 / 5795	802.11n MAIN	QPSK	27.0 / 30.0 Mbps	23.65
132+136 / 5670	802.11n MAIN	BPSK	13.5 / 15.0 Mbps	15.33

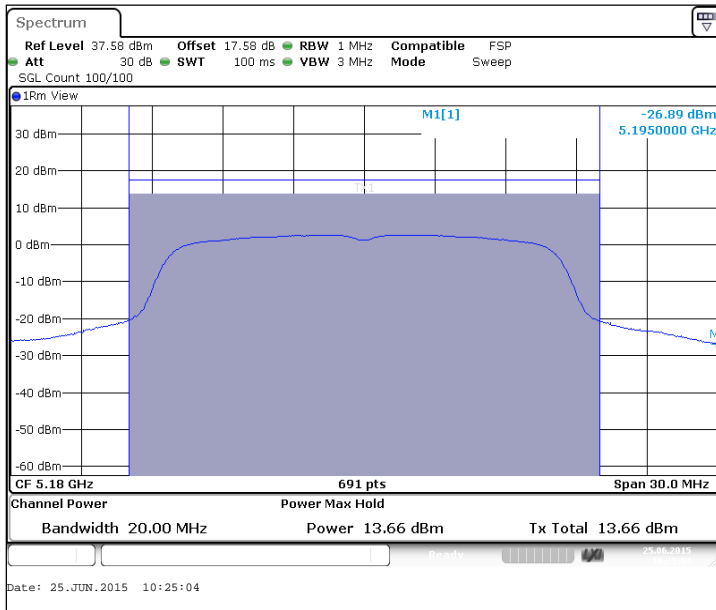
36+40 / 5190	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.41
44+48 / 5230	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.35
52+56 / 5270	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.37
60+64 / 5310	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.42
100+104 / 5510	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.71
108+112 / 5550	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.83
132+136 / 5670	802.11n AUX	BPSK	13.5 / 15.0 Mbps	14.23
149+153 / 5755	802.11n AUX	BPSK	13.5 / 15.0 Mbps	22.5
157+161 / 5795	802.11n AUX	BPSK	13.5 / 15.0 Mbps	22.68
36+40 / 5190	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.52
44+48 / 5230	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.48
52+56 / 5270	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.5
60+64 / 5310	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.52
100+104 / 5510	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.84
108+112 / 5550	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.95
132+136 / 5670	802.11n AUX	QPSK	27.0 / 30.0 Mbps	14.37
149+153 / 5755	802.11n AUX	QPSK	27.0 / 30.0 Mbps	22.43
157+161 / 5795	802.11n AUX	QPSK	27.0 / 30.0 Mbps	22.54

2.4. 5 GHz RLAN Test results

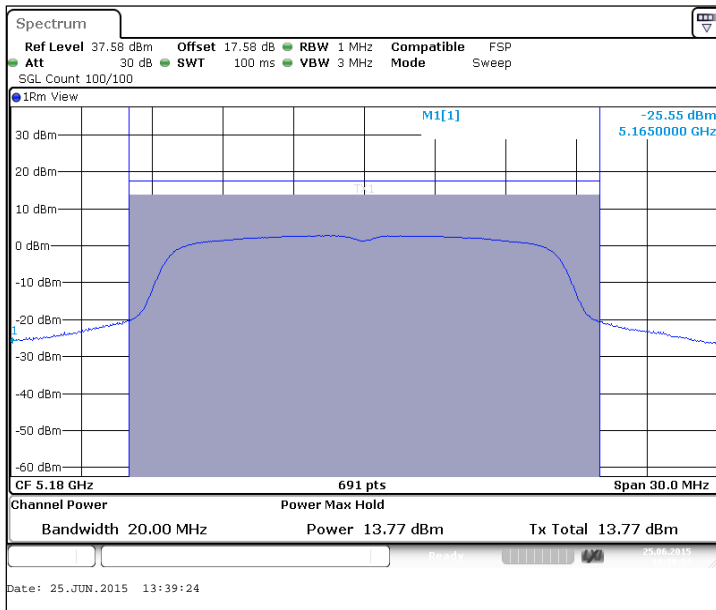
2.4.1 802.11a mode, BPSK modulation, 6 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.66	23.227	PASSED
36 / 5180 AUX	13.77	23.823	PASSED
36 / 5180 MAIN	14.72	29.648	PASSED
40 / 5200 MAIN	14.55	28.51	PASSED
48 / 5240 MAIN	14.7	29.512	PASSED
52 / 5260 MAIN	14.75	29.854	PASSED
60 / 5300 MAIN	14.6	28.84	PASSED
64 / 5320 MAIN	14.69	29.444	PASSED
100 / 5500 MAIN	15.09	32.285	PASSED
116 / 5580 MAIN	14.96	31.333	PASSED
140 / 5700 MAIN	14.95	31.261	PASSED
149 / 5745 MAIN	22.77	189.234	PASSED
157 / 5785 MAIN	22.81	190.985	PASSED
165 / 5825 MAIN	22.96	197.697	PASSED
36 / 5180 AUX	13.8	23.988	PASSED
40 / 5200 AUX	13.69	23.388	PASSED
48 / 5240 AUX	13.83	24.155	PASSED
52 / 5260 AUX	13.89	24.491	PASSED
60 / 5300 AUX	13.88	24.434	PASSED
64 / 5320 AUX	14.02	25.235	PASSED
100 / 5500 AUX	14.21	26.363	PASSED
116 / 5580 AUX	14.06	25.468	PASSED
140 / 5700 AUX	13.91	24.604	PASSED
149 / 5745 AUX	21.81	151.705	PASSED
157 / 5785 AUX	21.71	148.252	PASSED
165 / 5825 AUX	21.95	156.675	PASSED

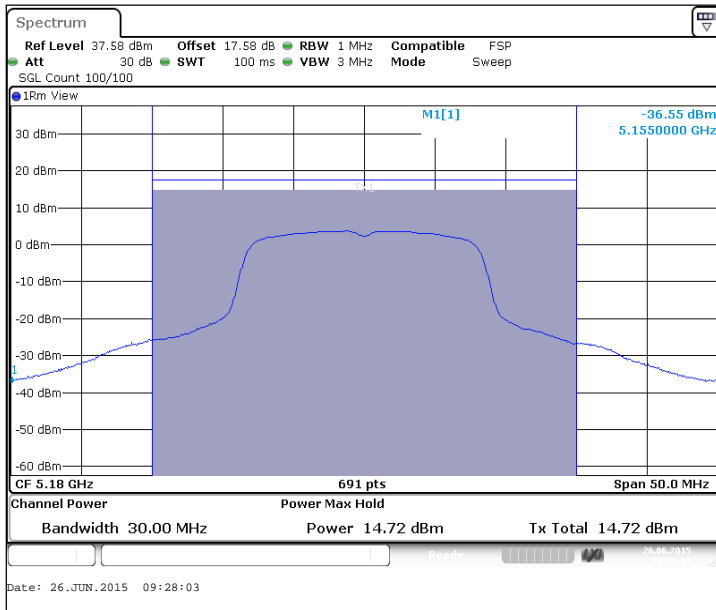
Channel 36 / 5180MHz



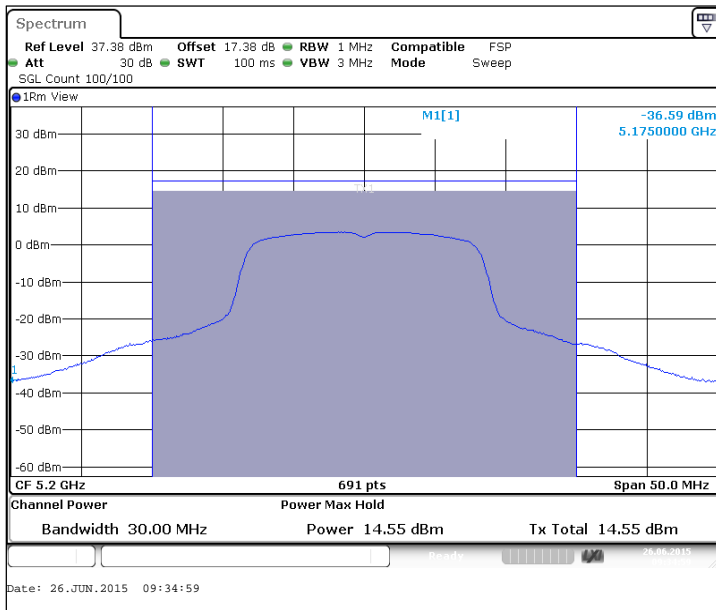
Channel 36 / 5180MHz



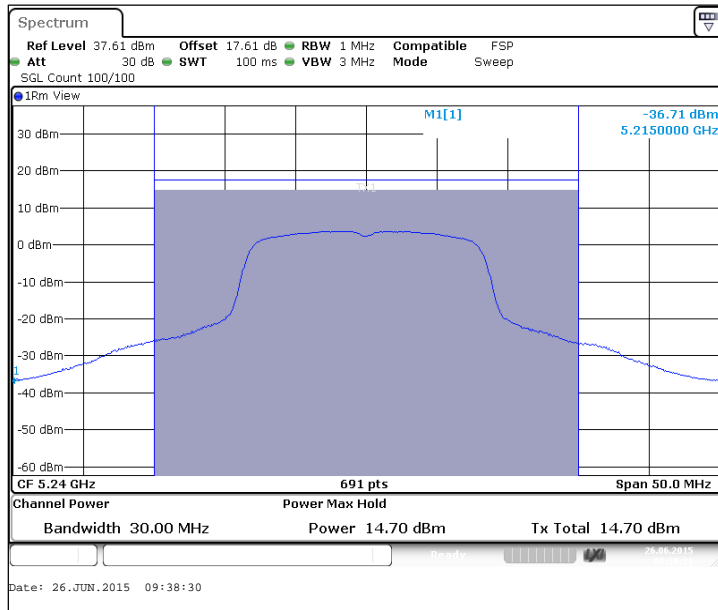
Channel 36 / 5180MHz



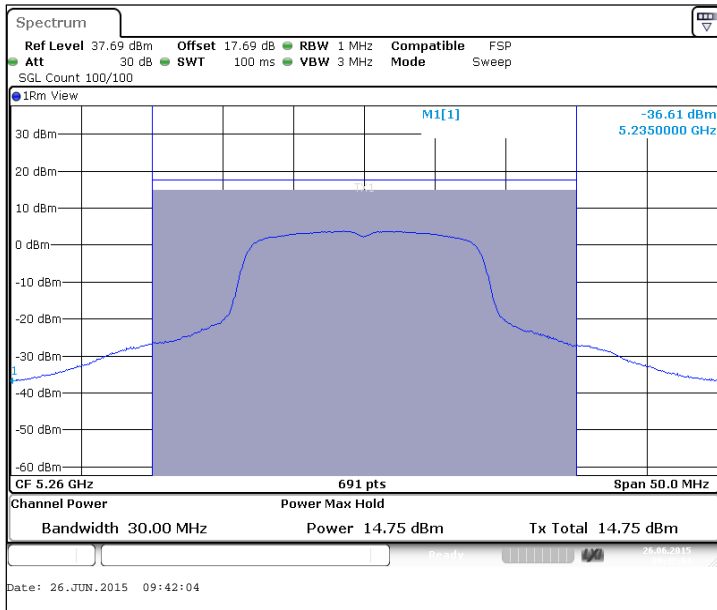
Channel 40 / 5200MHz



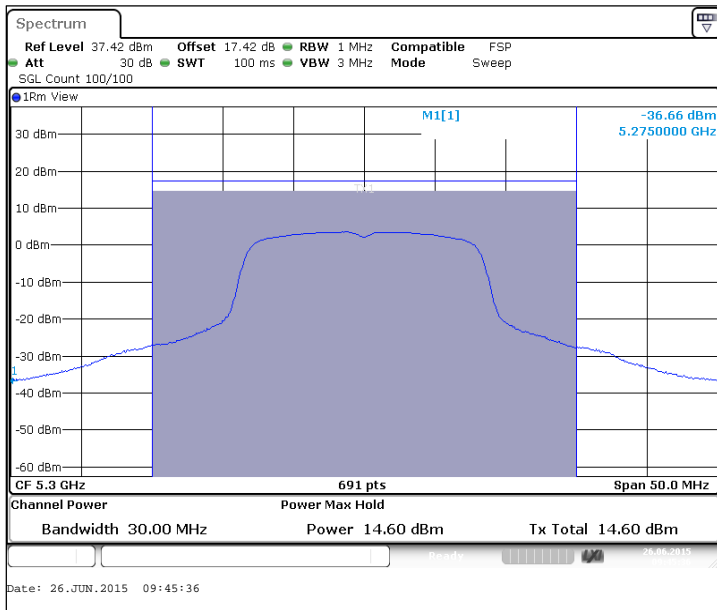
Channel 48 / 5240MHz



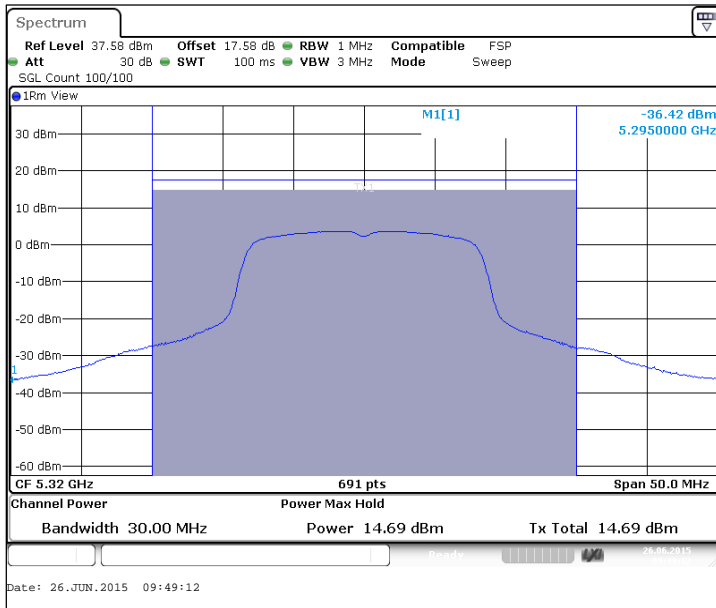
Channel 52 / 5260MHz



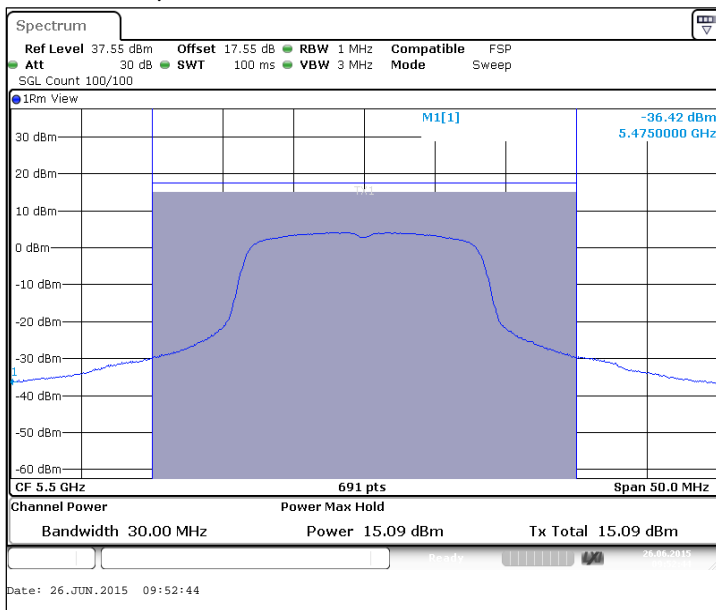
Channel 60 / 5300MHz



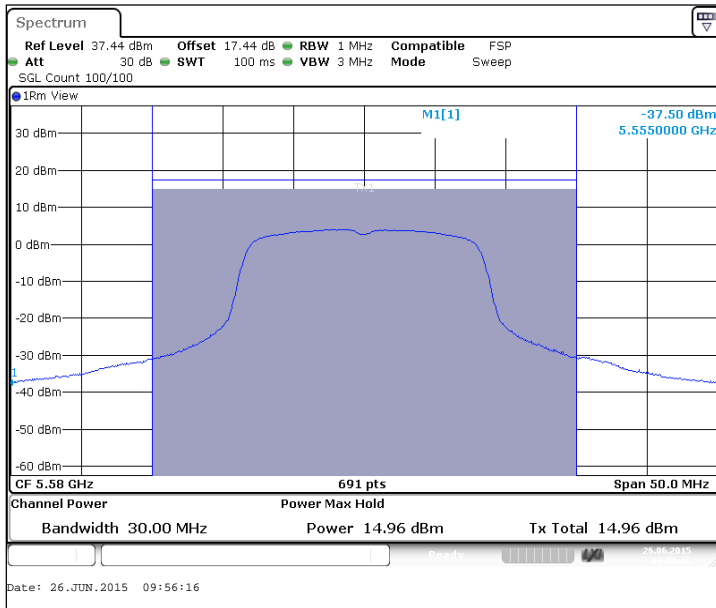
Channel 64 / 5320MHz



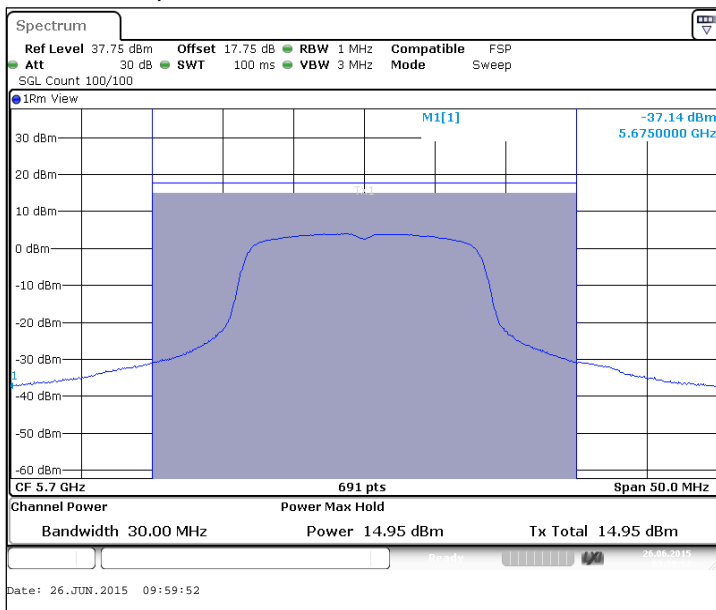
Channel 100 / 5500MHz



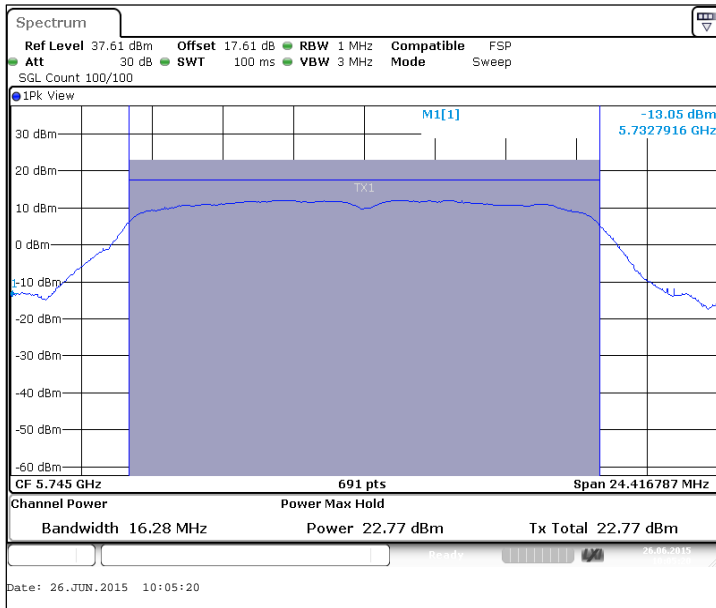
Channel 116 / 5580MHz



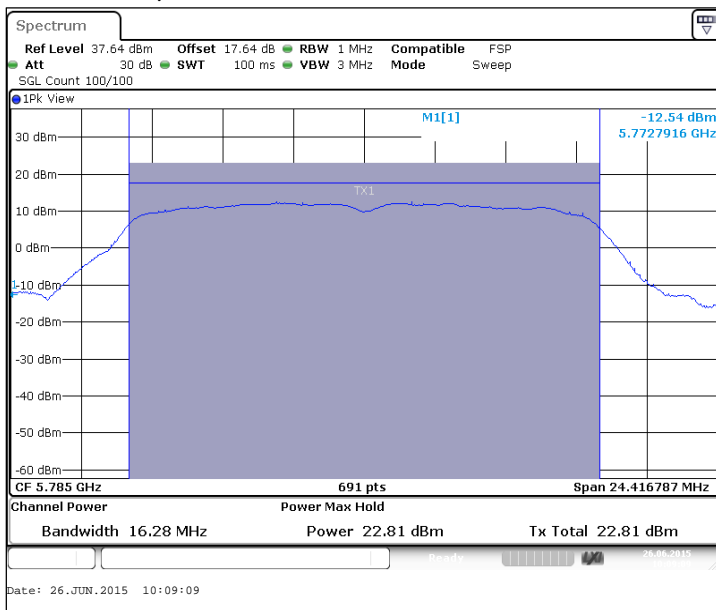
Channel 140 / 5700MHz



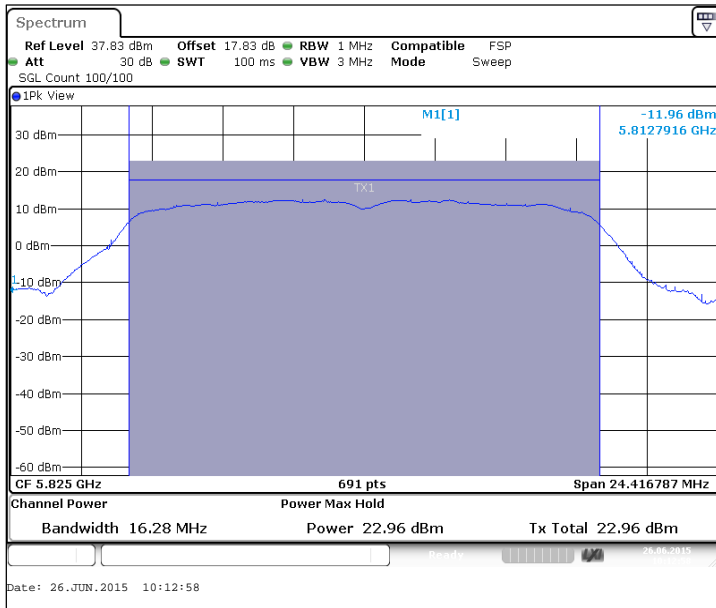
Channel 149 / 5745MHz



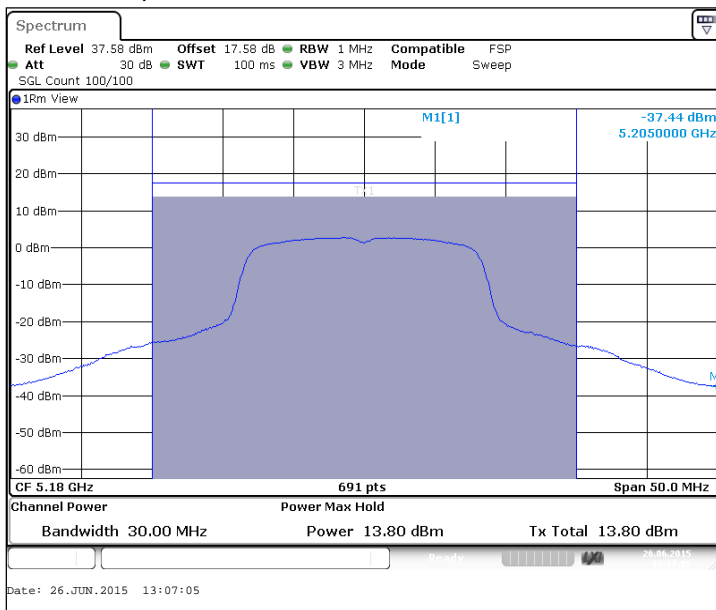
Channel 157 / 5785MHz



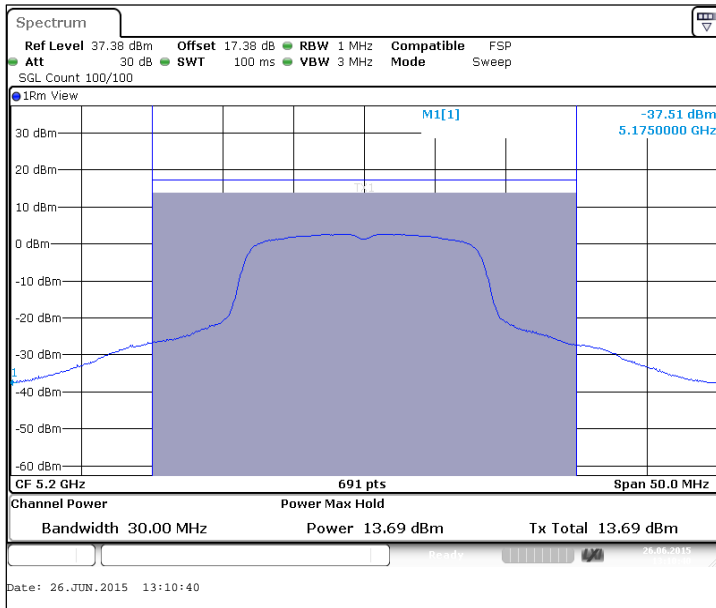
Channel 165 / 5825MHz



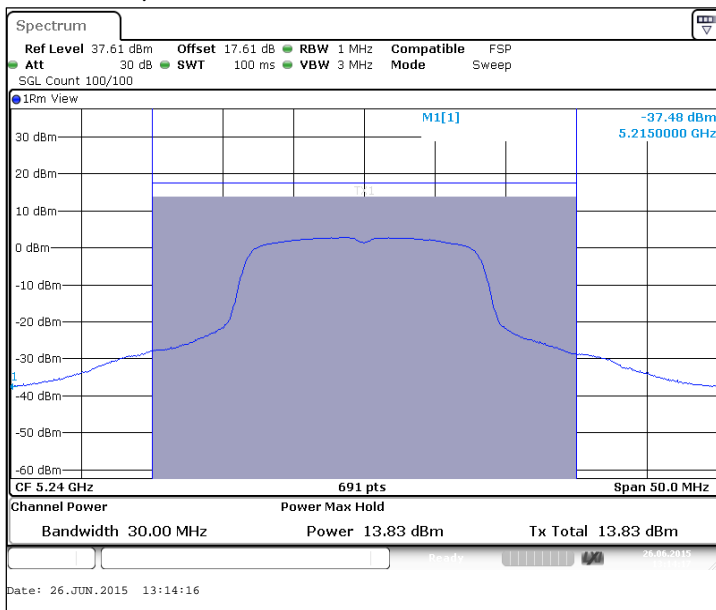
Channel 36 / 5180MHz



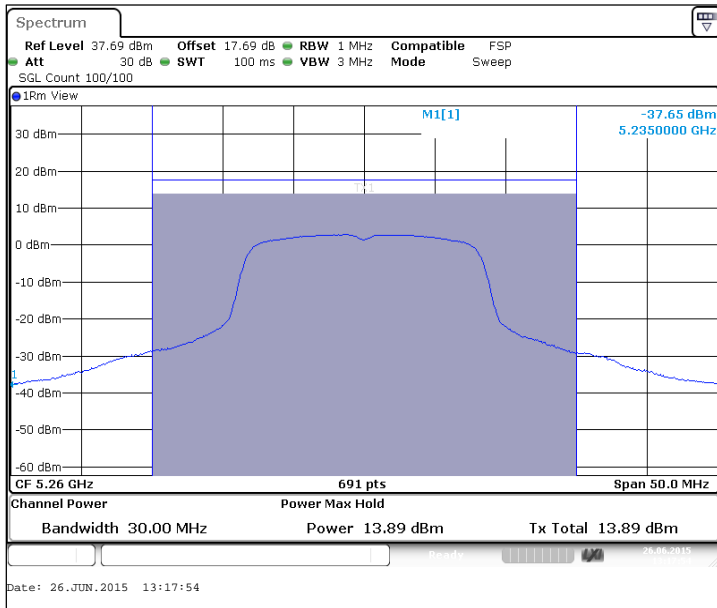
Channel 40 / 5200MHz



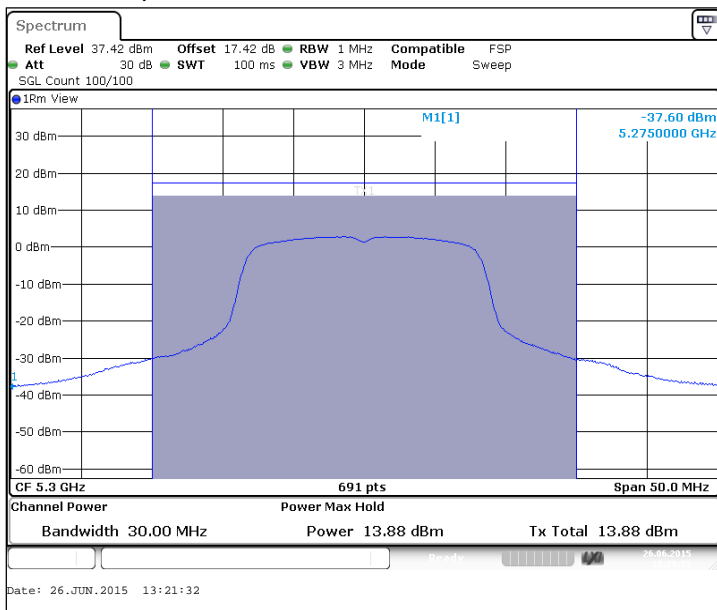
Channel 48 / 5240MHz



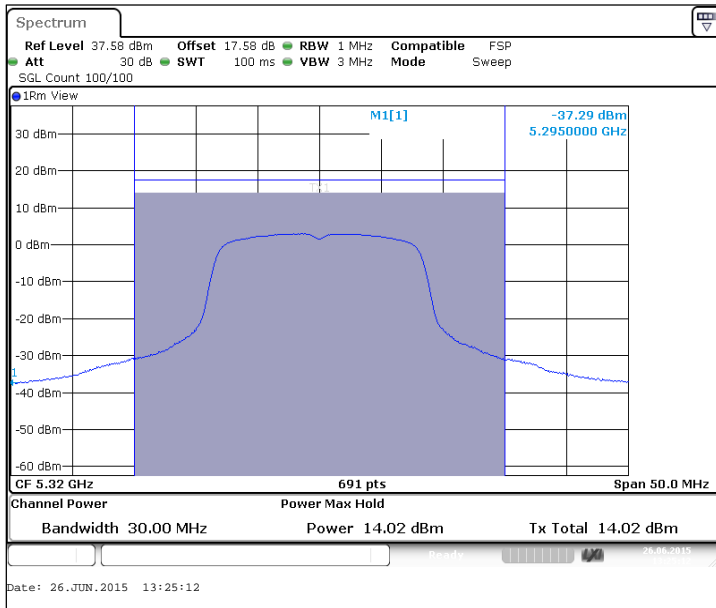
Channel 52 / 5260MHz



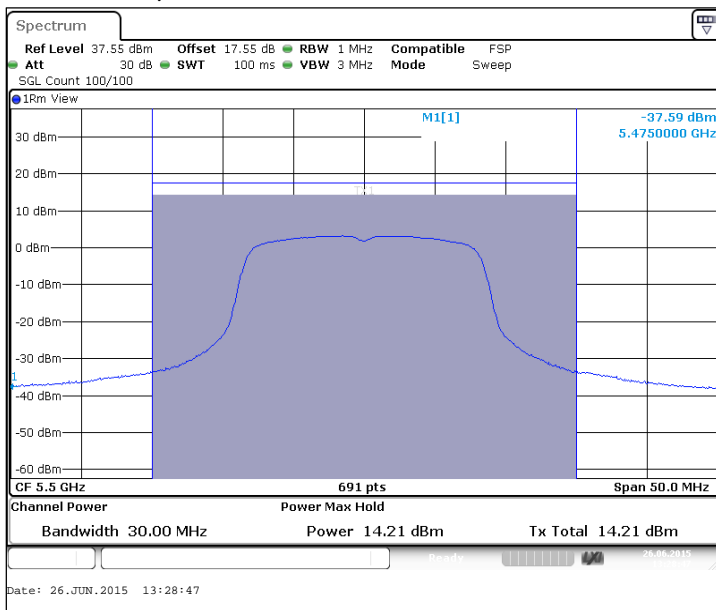
Channel 60 / 5300MHz



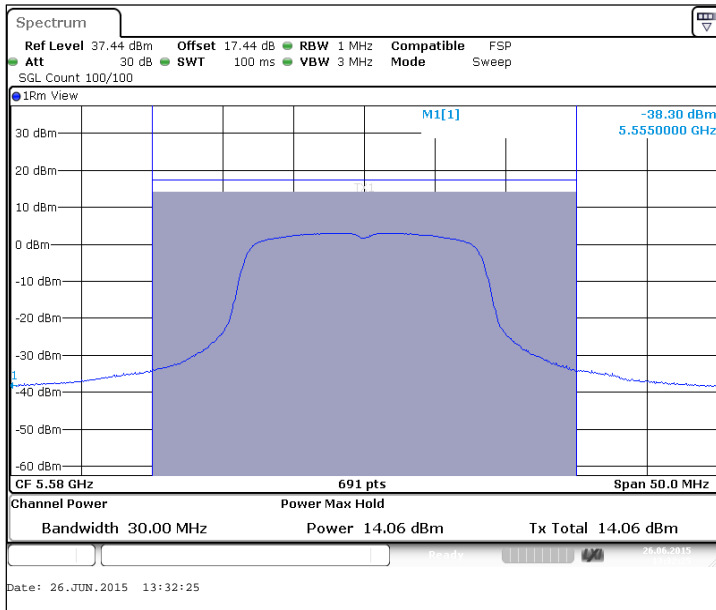
Channel 64 / 5320MHz



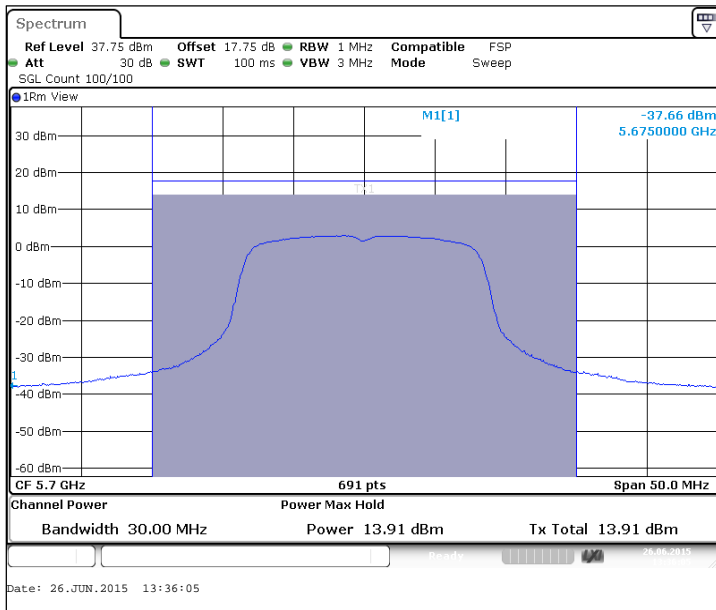
Channel 100 / 5500MHz



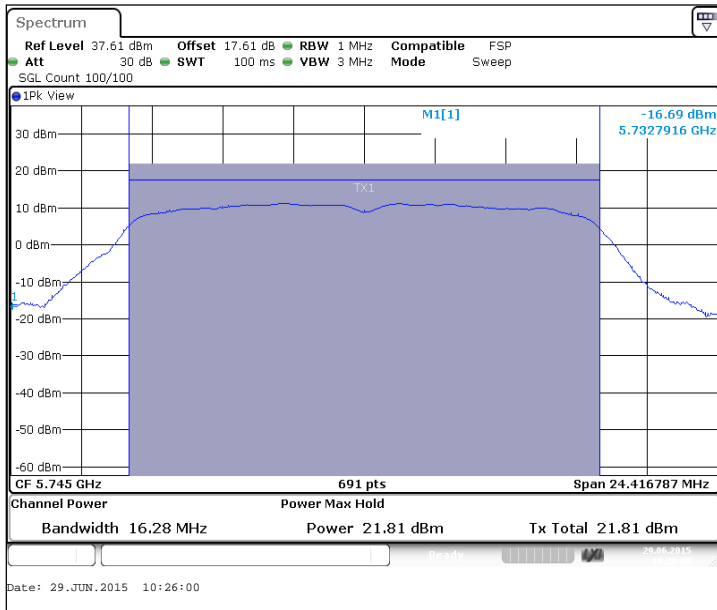
Channel 116 / 5580MHz



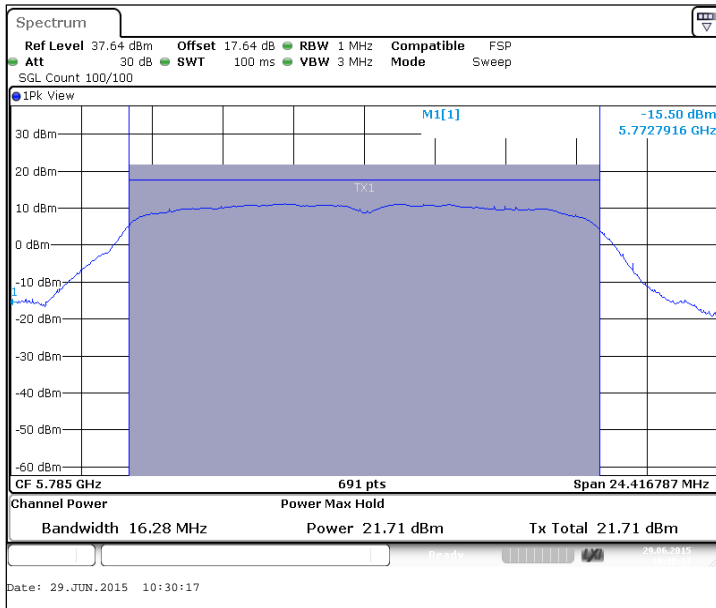
Channel 140 / 5700MHz



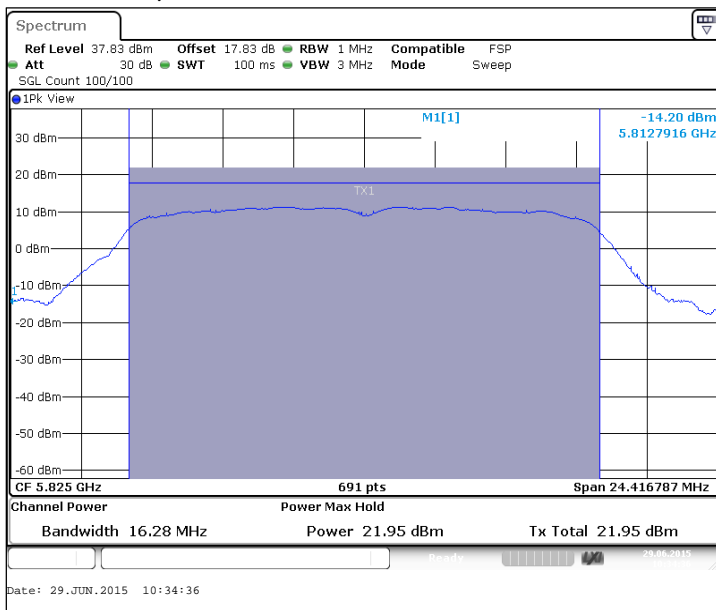
Channel 149 / 5745MHz



Channel 157 / 5785MHz



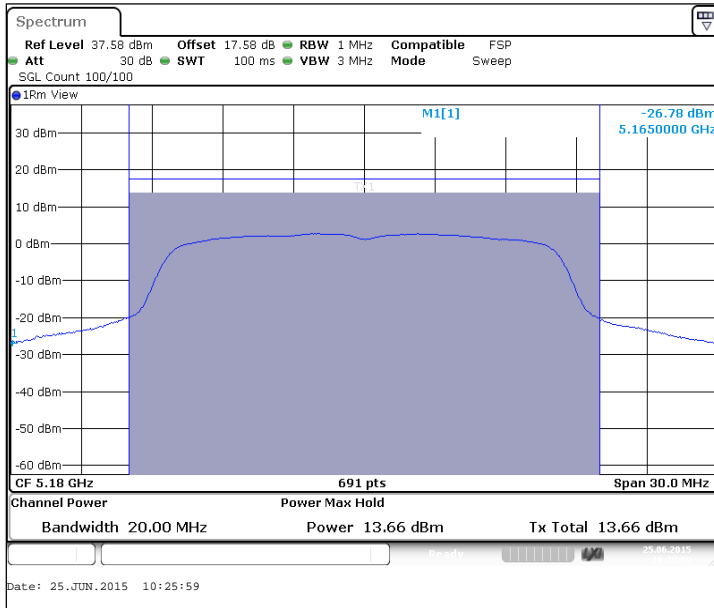
Channel 165 / 5825MHz



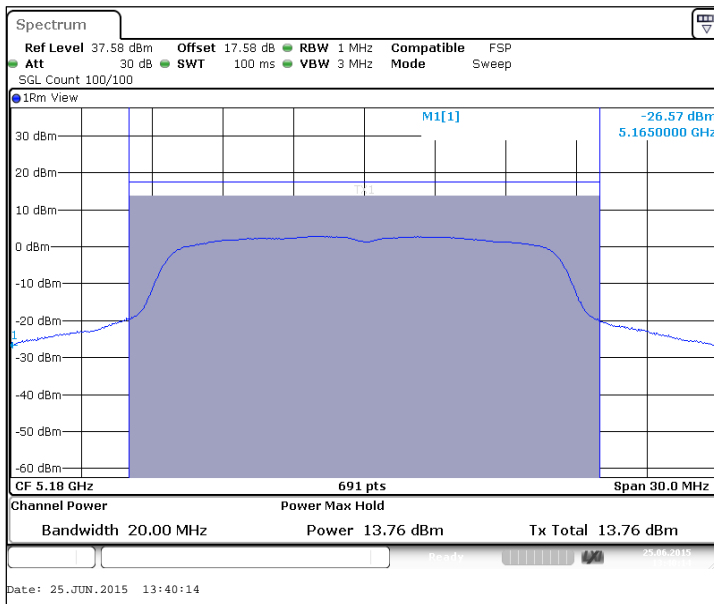
2.4.2 802.11a mode, BPSK modulation, 9 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.66	23.227	PASSED
36 / 5180 AUX	13.76	23.768	PASSED

Channel 36 / 5180MHz



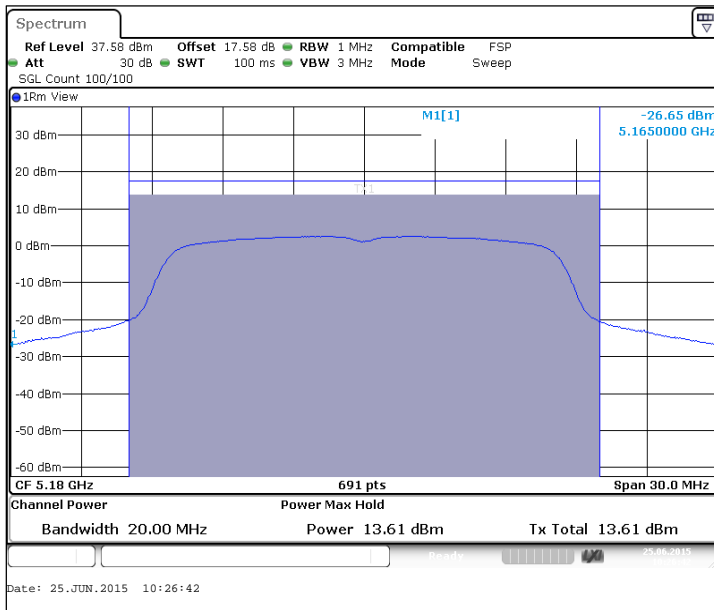
Channel 36 / 5180MHz



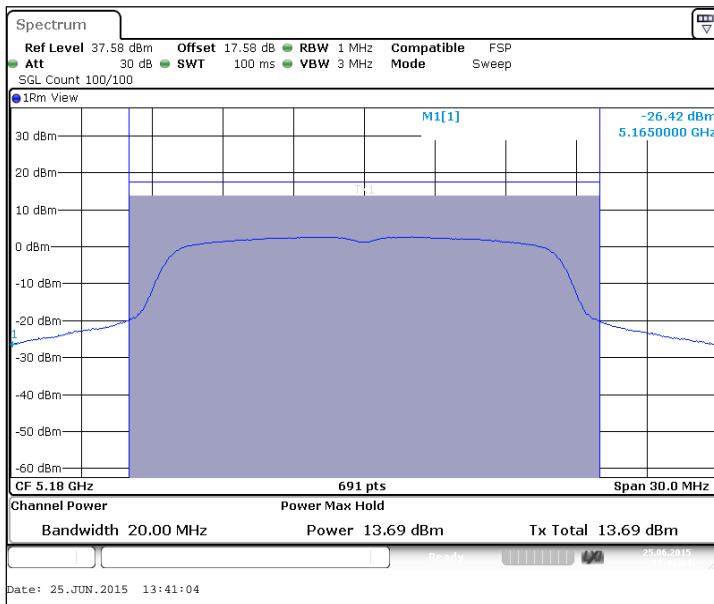
2.4.3 802.11a mode, QPSK modulation, 12 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.61	22.961	PASSED
36 / 5180 AUX	13.69	23.388	PASSED

Channel 36 / 5180MHz



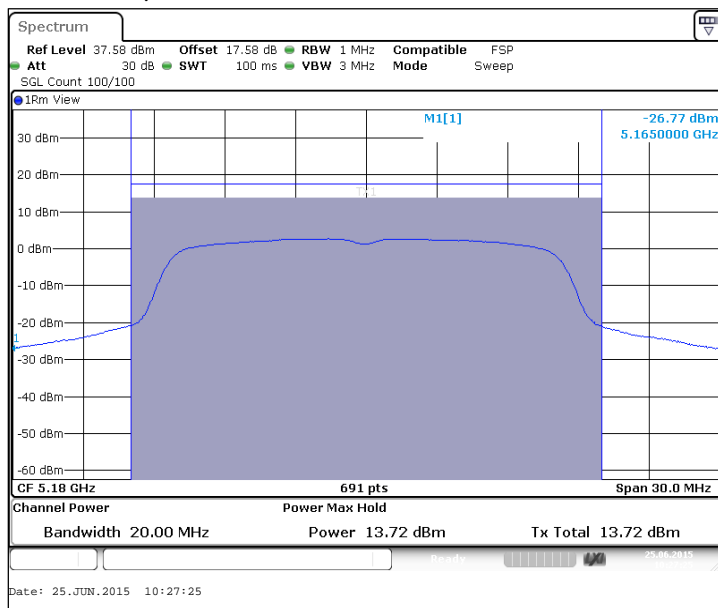
Channel 36 / 5180MHz



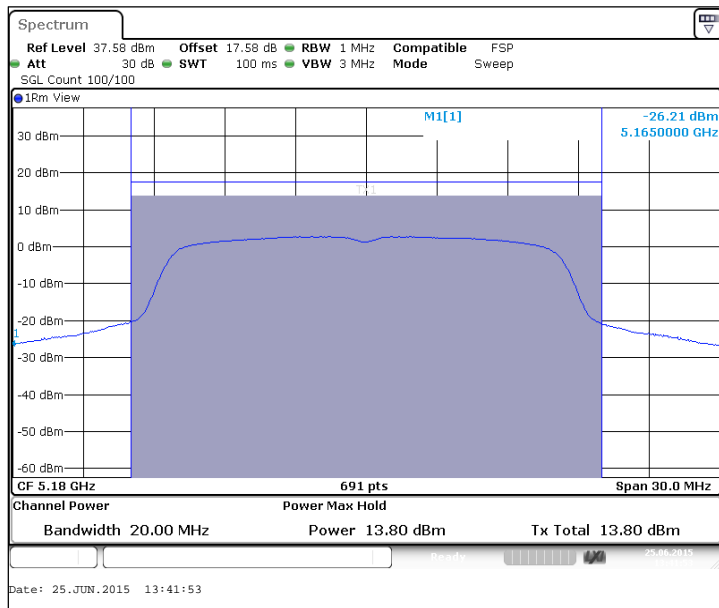
2.4.4 802.11a mode, QPSK modulation, 18 Mbps data rate

Channel / f _c [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.72	23.55	PASSED
36 / 5180 AUX	13.8	23.988	PASSED
36 / 5180 MAIN	14.81	30.269	PASSED
40 / 5200 MAIN	14.65	29.174	PASSED
48 / 5240 MAIN	14.82	30.339	PASSED
52 / 5260 MAIN	14.87	30.69	PASSED
60 / 5300 MAIN	14.72	29.648	PASSED
64 / 5320 MAIN	14.82	30.339	PASSED
100 / 5500 MAIN	15.22	33.266	PASSED
116 / 5580 MAIN	15.09	32.285	PASSED
140 / 5700 MAIN	15.08	32.211	PASSED
149 / 5745 MAIN	22.7	186.209	PASSED
157 / 5785 MAIN	22.7	186.209	PASSED
165 / 5825 MAIN	22.84	192.309	PASSED
36 / 5180 AUX	13.88	24.434	PASSED
40 / 5200 AUX	13.8	23.988	PASSED
48 / 5240 AUX	13.96	24.889	PASSED
52 / 5260 AUX	14.01	25.177	PASSED
60 / 5300 AUX	14.06	25.468	PASSED
64 / 5320 AUX	14.2	26.303	PASSED
100 / 5500 AUX	14.48	28.054	PASSED
116 / 5580 AUX	14.34	27.164	PASSED
140 / 5700 AUX	14.22	26.424	PASSED
149 / 5745 AUX	21.74	149.279	PASSED
157 / 5785 AUX	21.6	144.544	PASSED
165 / 5825 AUX	21.81	151.705	PASSED

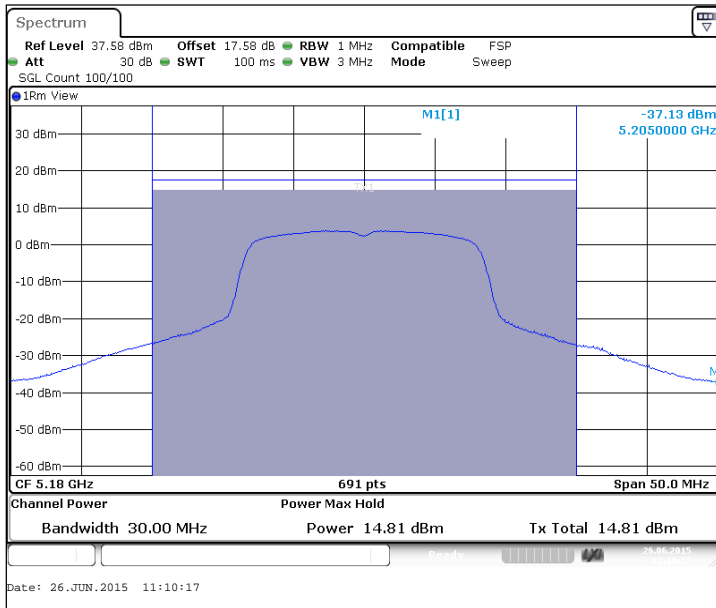
Channel 36 / 5180MHz



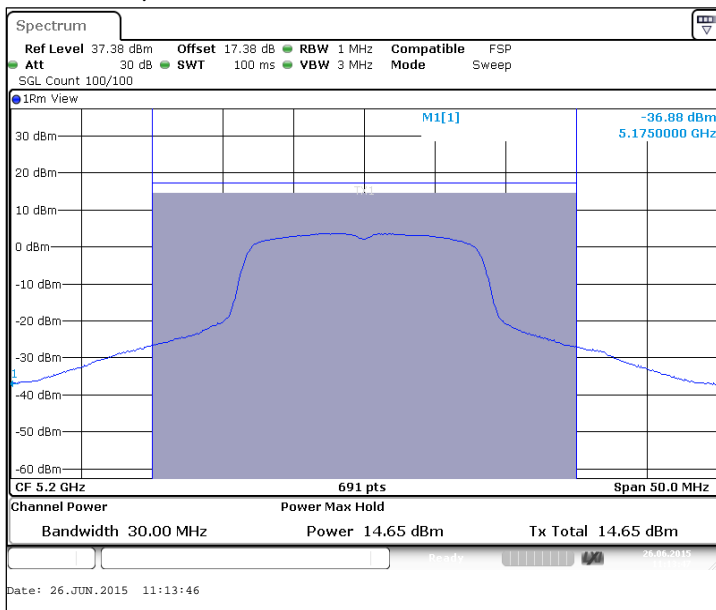
Channel 36 / 5180MHz



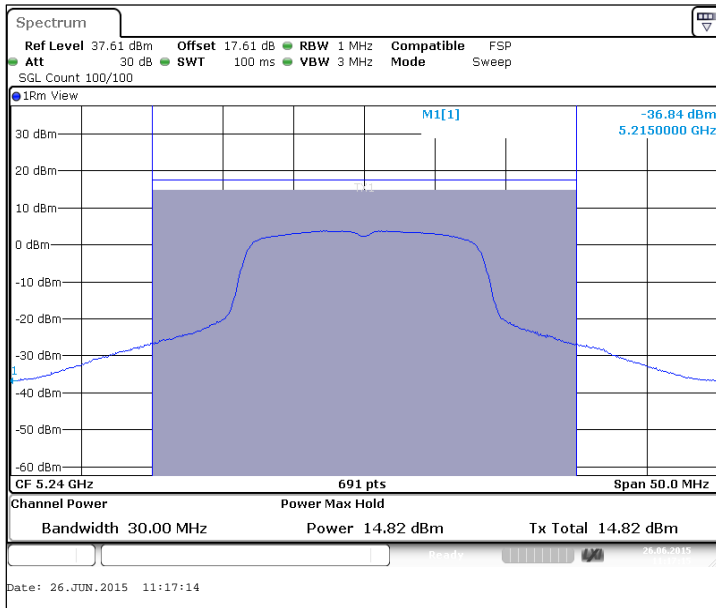
Channel 36 / 5180MHz



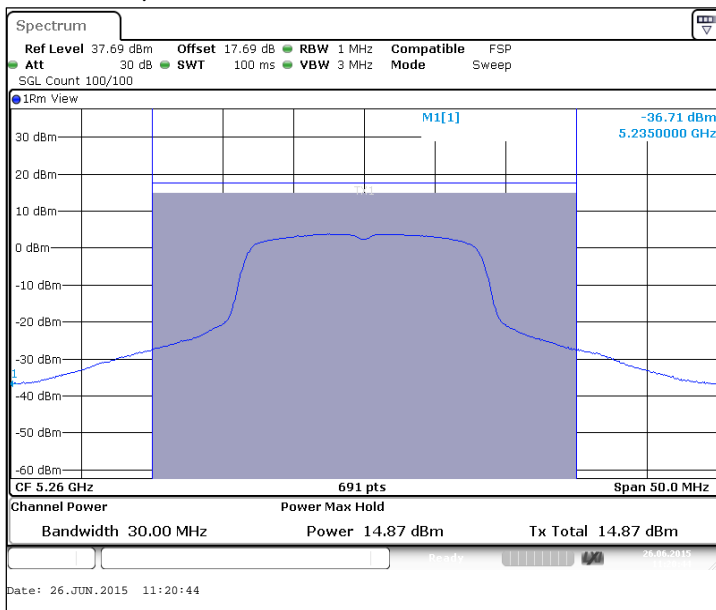
Channel 40 / 5200MHz



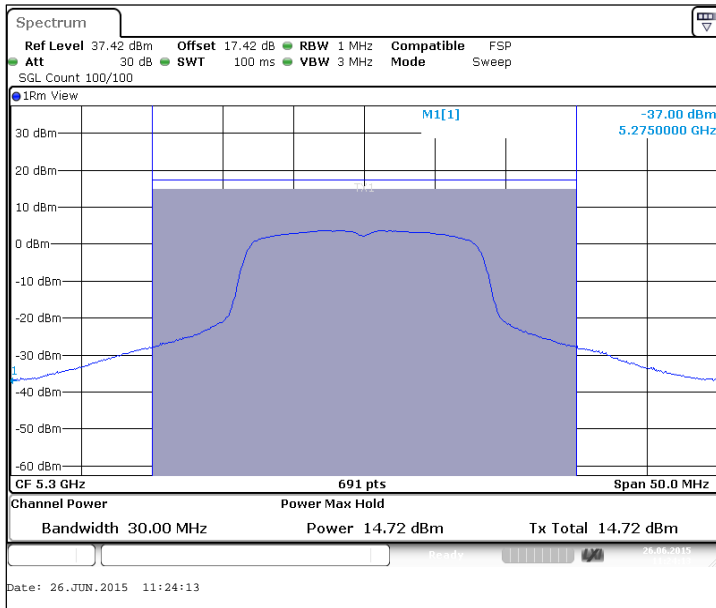
Channel 48 / 5240MHz



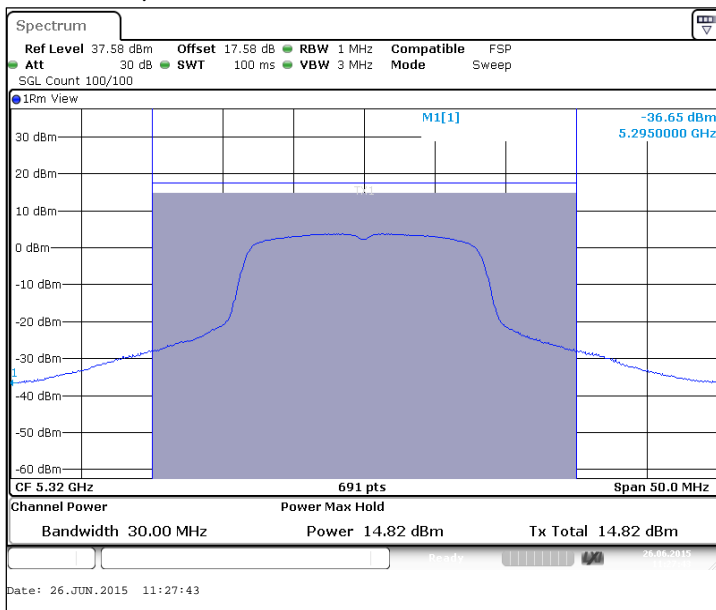
Channel 52 / 5260MHz



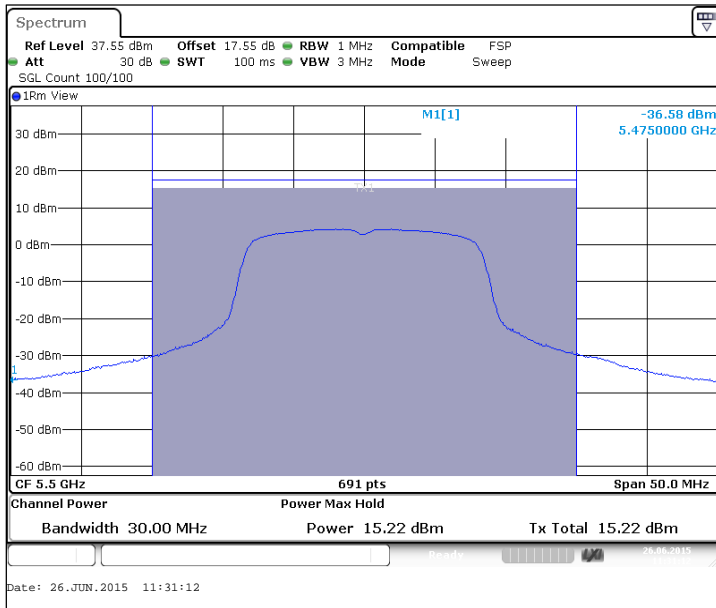
Channel 60 / 5300MHz



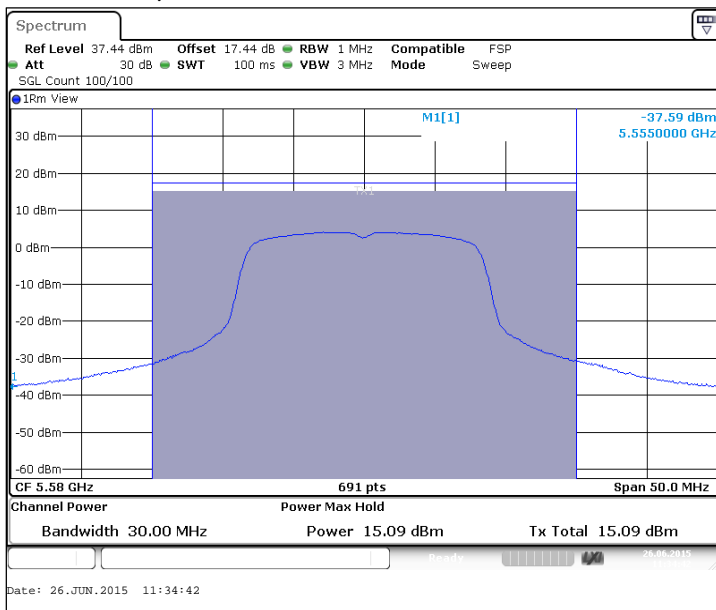
Channel 64 / 5320MHz



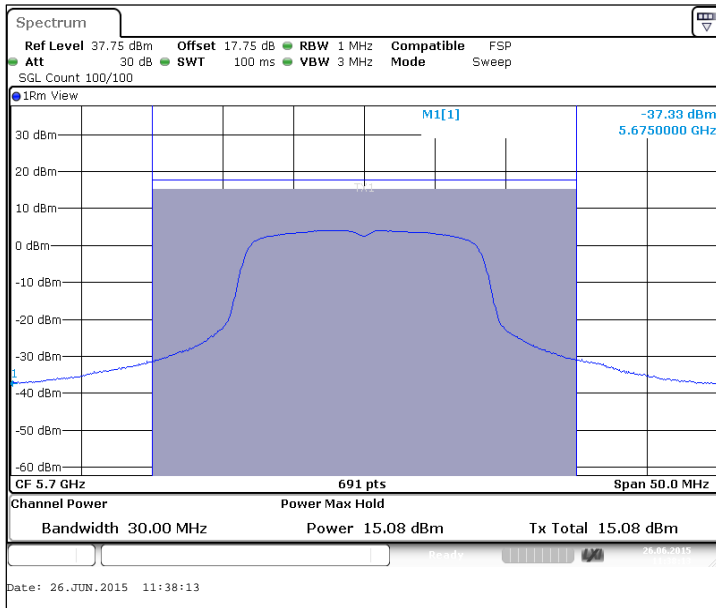
Channel 100 / 5500MHz



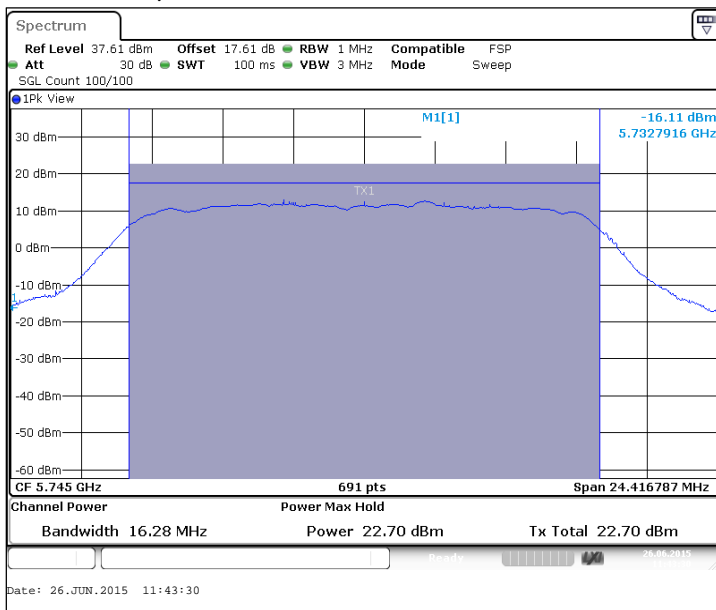
Channel 116 / 5580MHz



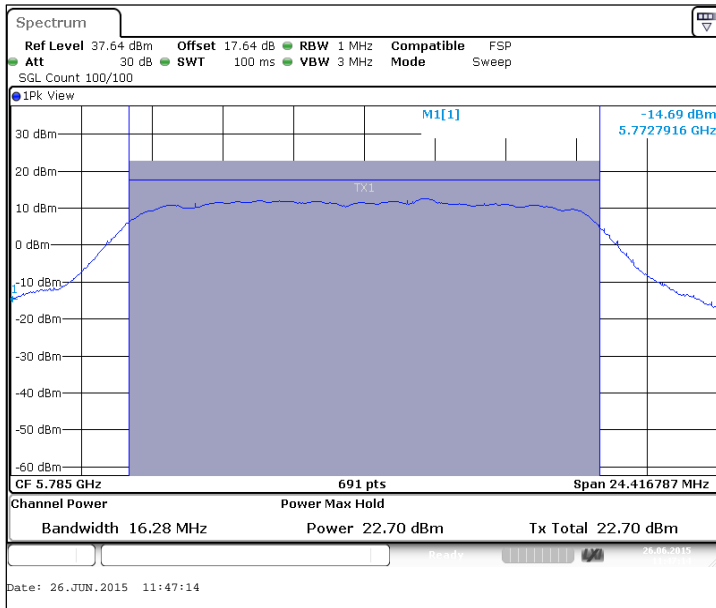
Channel 140 / 5700MHz



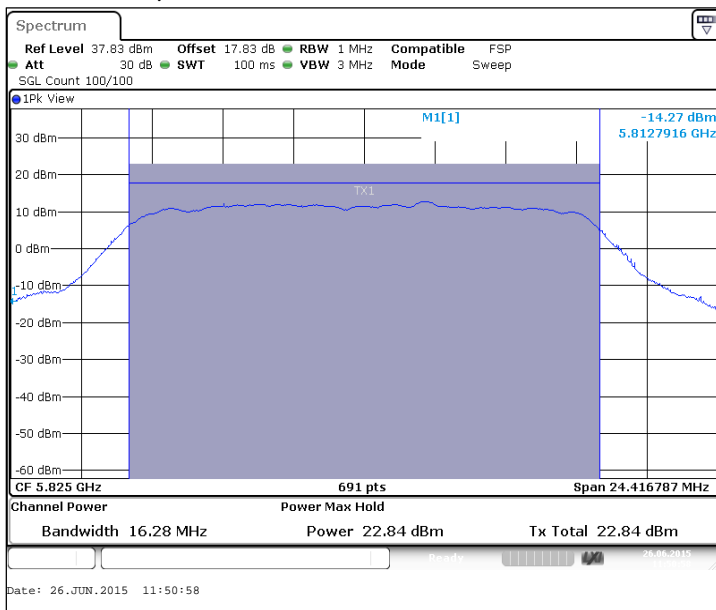
Channel 149 / 5745MHz



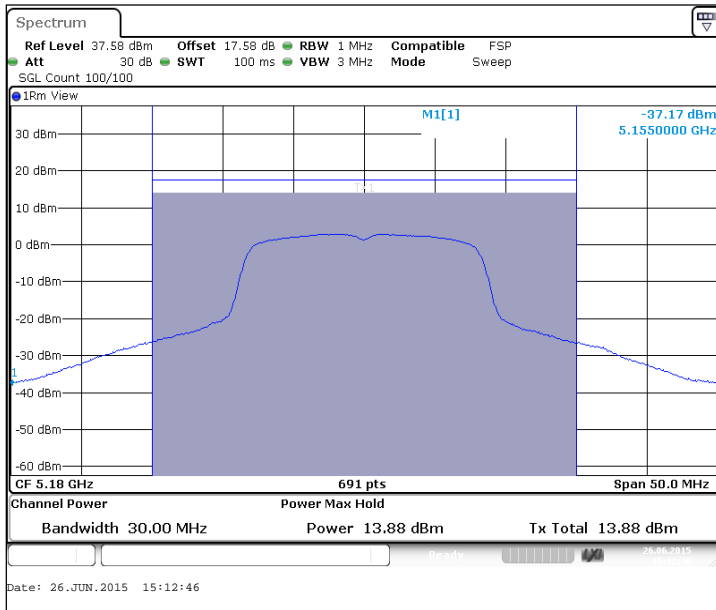
Channel 157 / 5785MHz



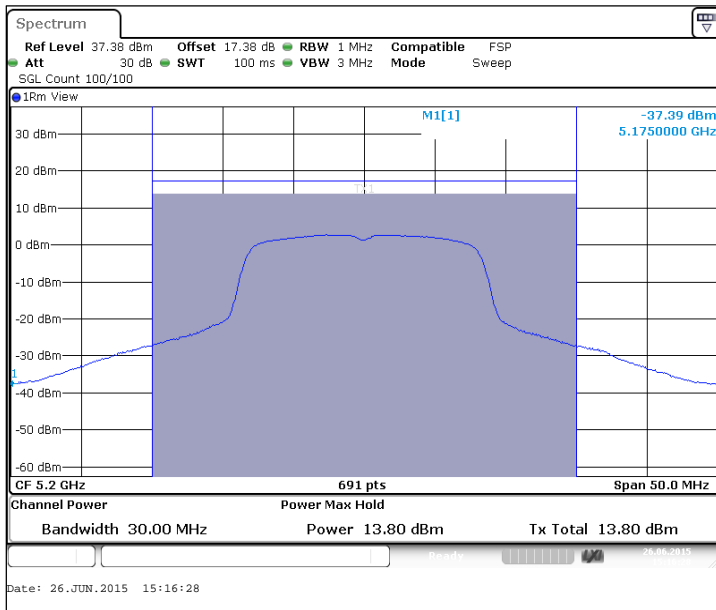
Channel 165 / 5825MHz



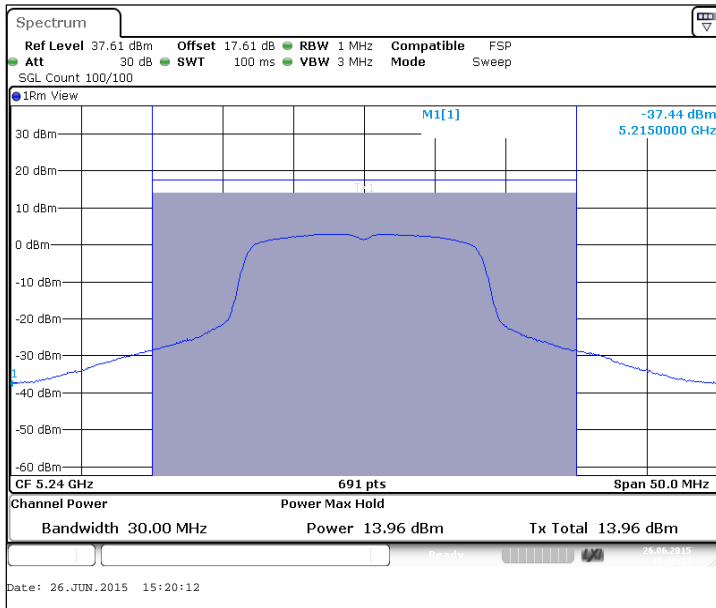
Channel 36 / 5180MHz



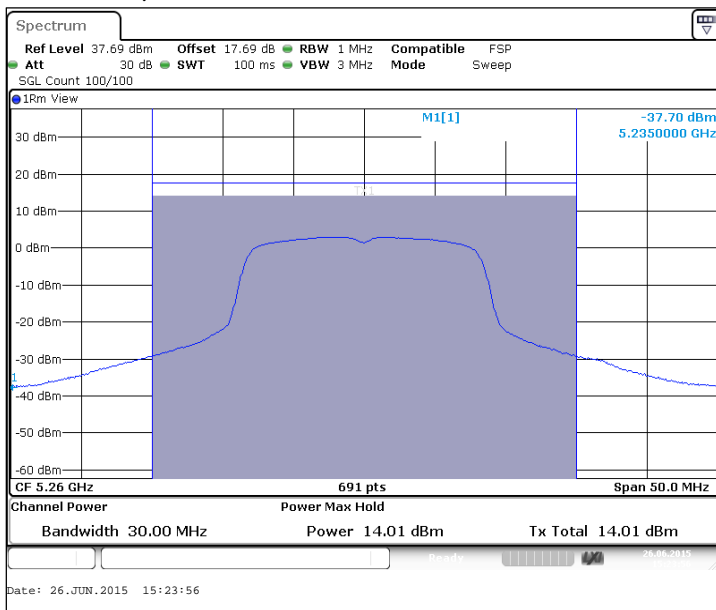
Channel 40 / 5200MHz



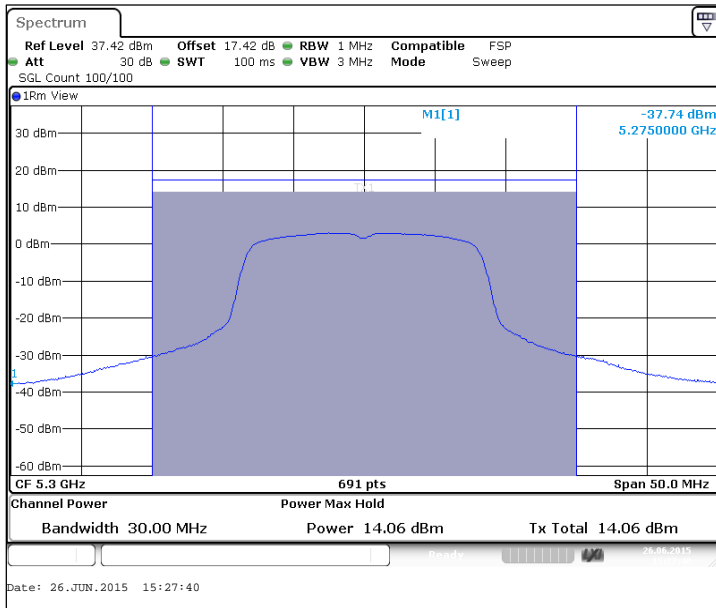
Channel 48 / 5240MHz



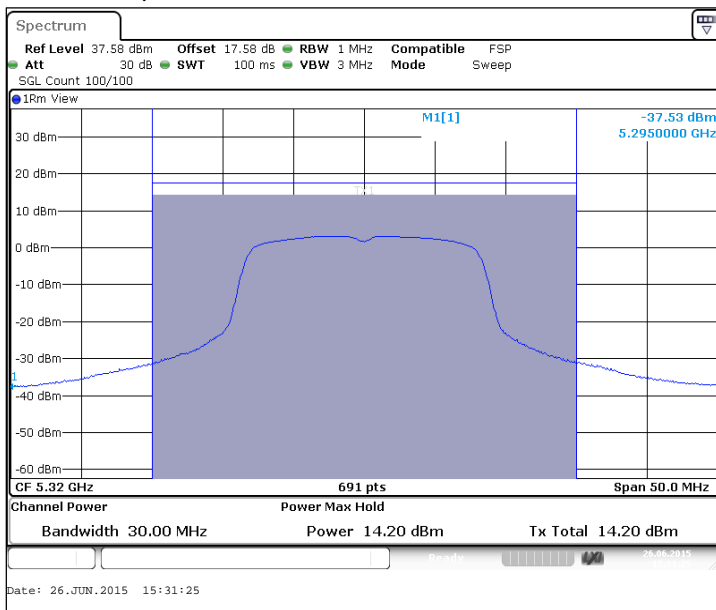
Channel 52 / 5260MHz



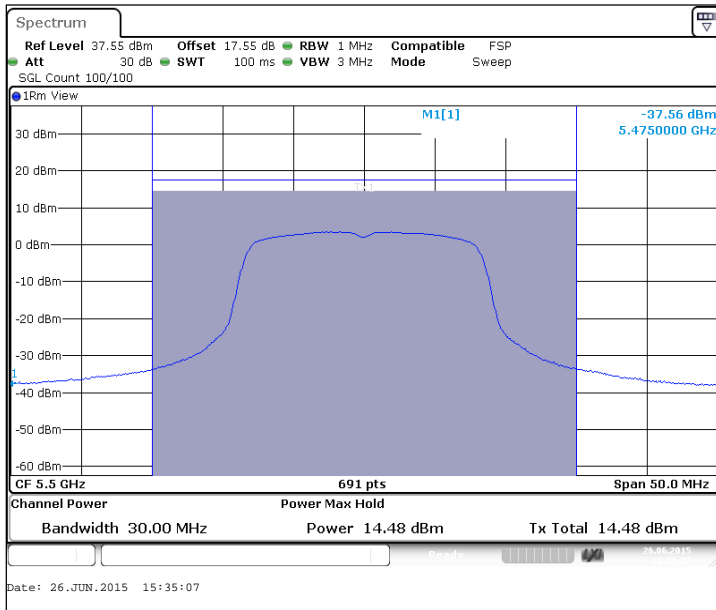
Channel 60 / 5300MHz



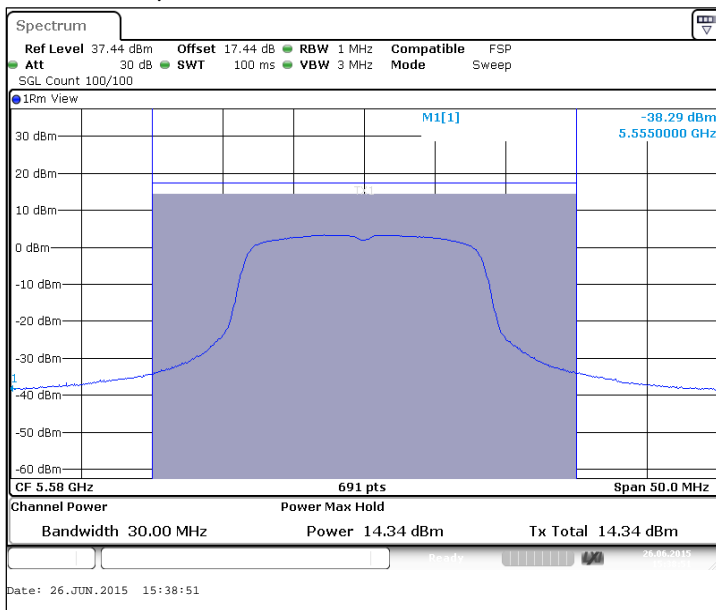
Channel 64 / 5320MHz



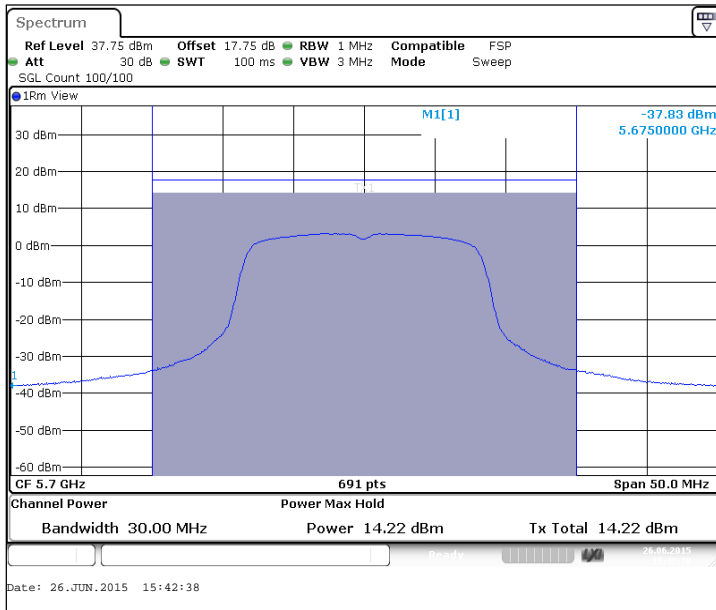
Channel 100 / 5500MHz



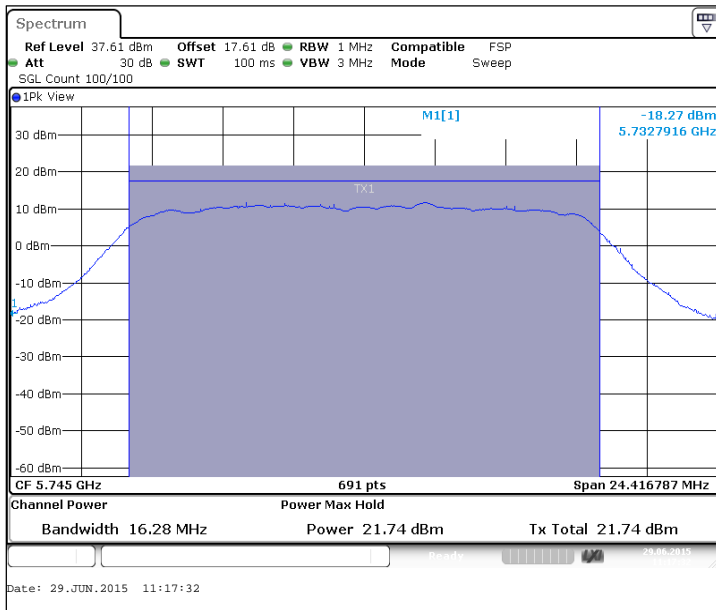
Channel 116 / 5580MHz



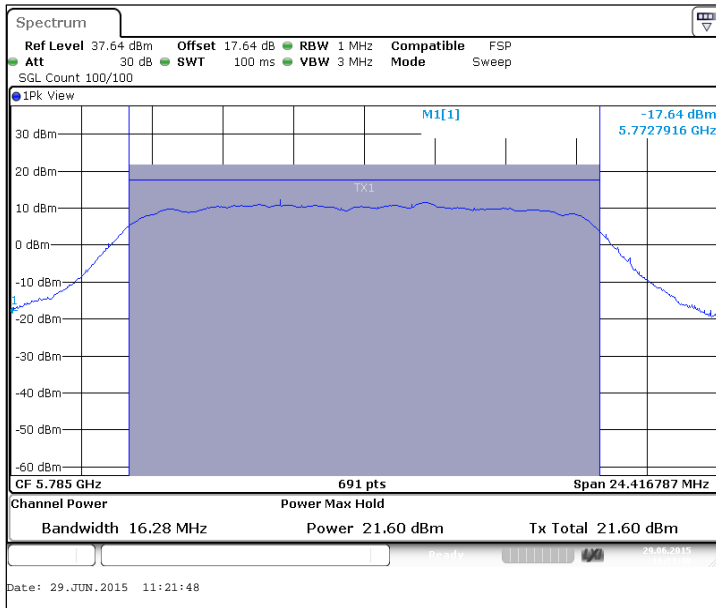
Channel 140 / 5700MHz



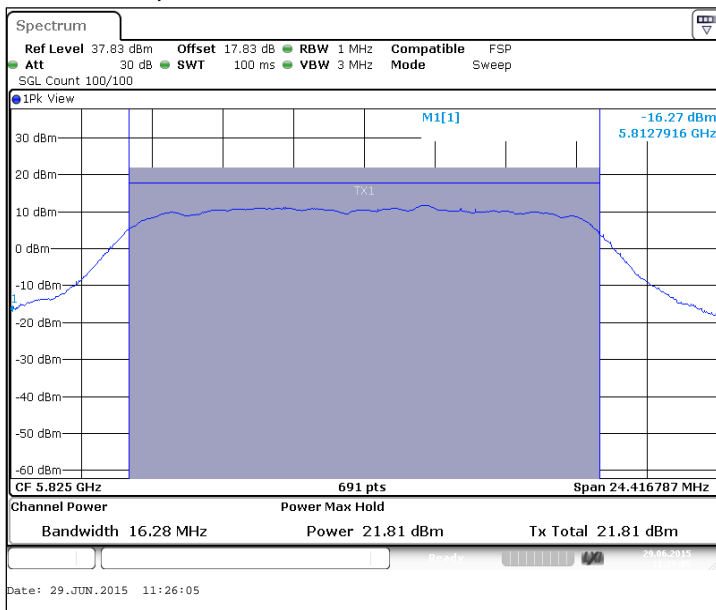
Channel 149 / 5745MHz



Channel 157 / 5785MHz



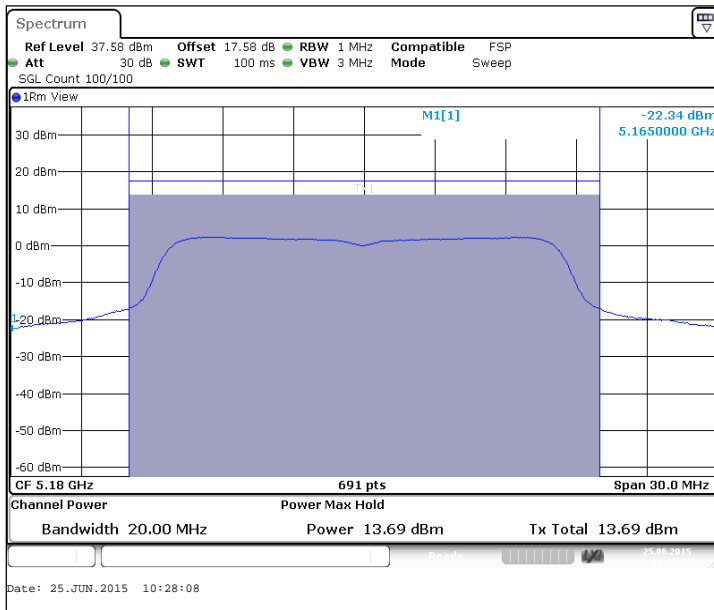
Channel 165 / 5825MHz



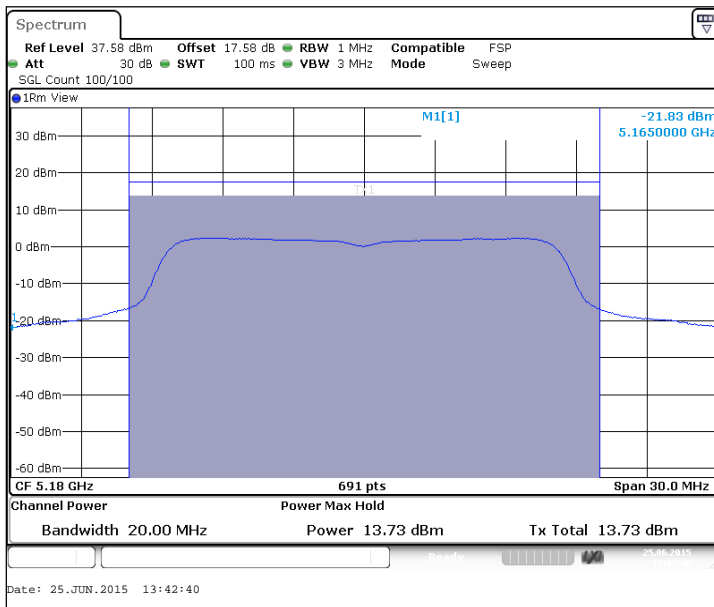
2.4.5 802.11a mode, 16QAM modulation, 24 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.69	23.388	PASSED
36 / 5180 AUX	13.73	23.605	PASSED

Channel 36 / 5180MHz



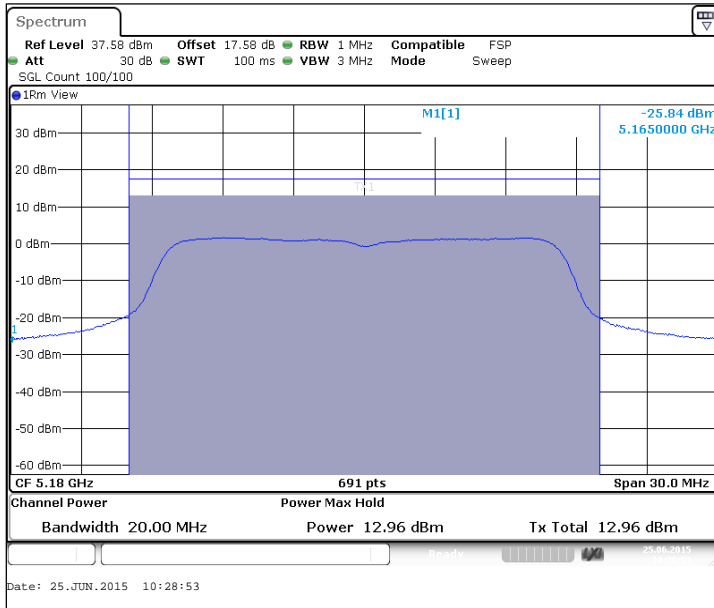
Channel 36 / 5180MHz



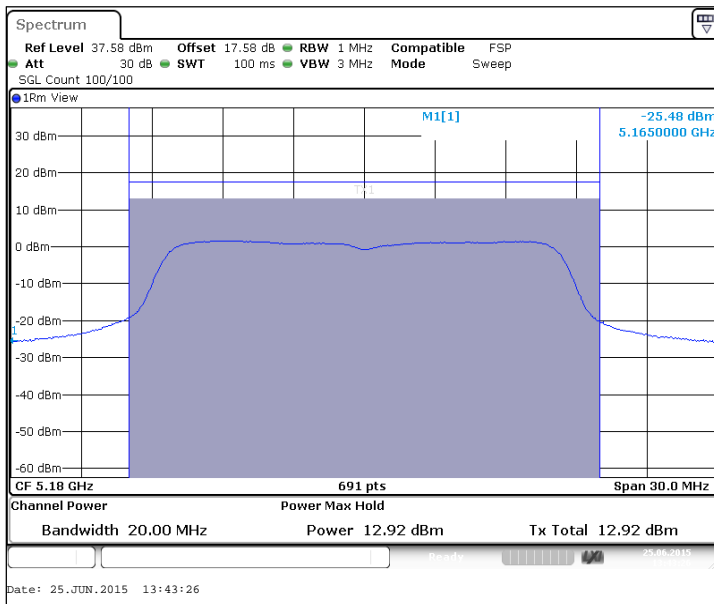
2.4.6 802.11a mode, 16QAM modulation, 36 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	12.96	19.77	PASSED
36 / 5180 AUX	12.92	19.588	PASSED

Channel 36 / 5180MHz



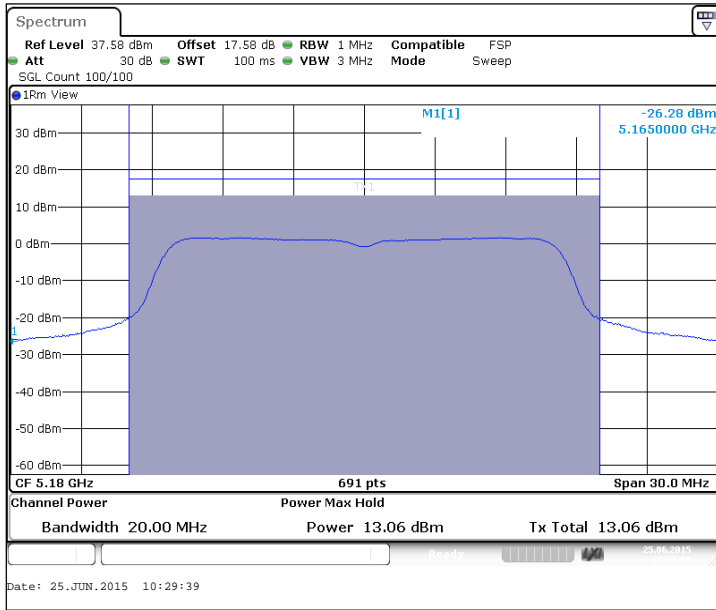
Channel 36 / 5180MHz



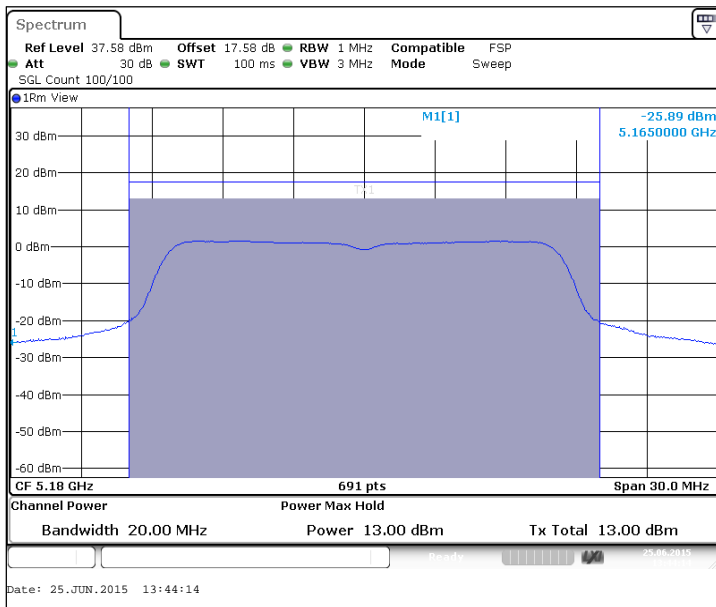
2.4.7 802.11a mode, 64QAM modulation, 48 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.06	20.23	PASSED
36 / 5180 AUX	13	19.953	PASSED

Channel 36 / 5180MHz



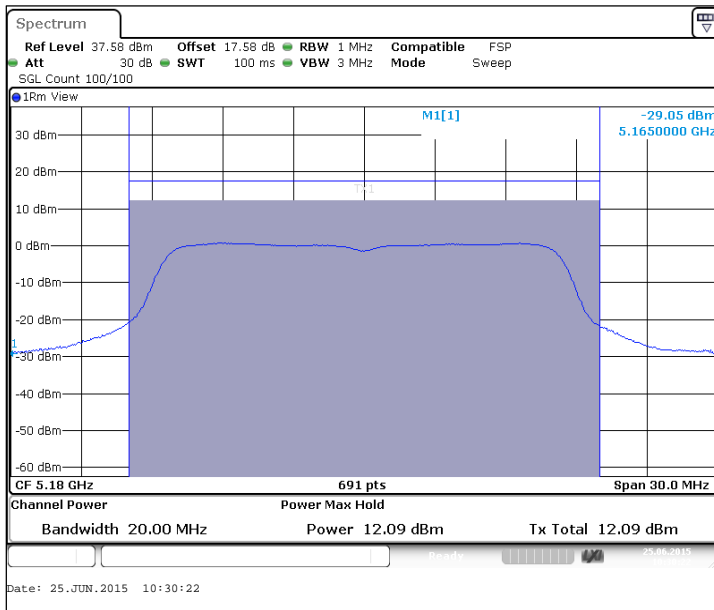
Channel 36 / 5180MHz



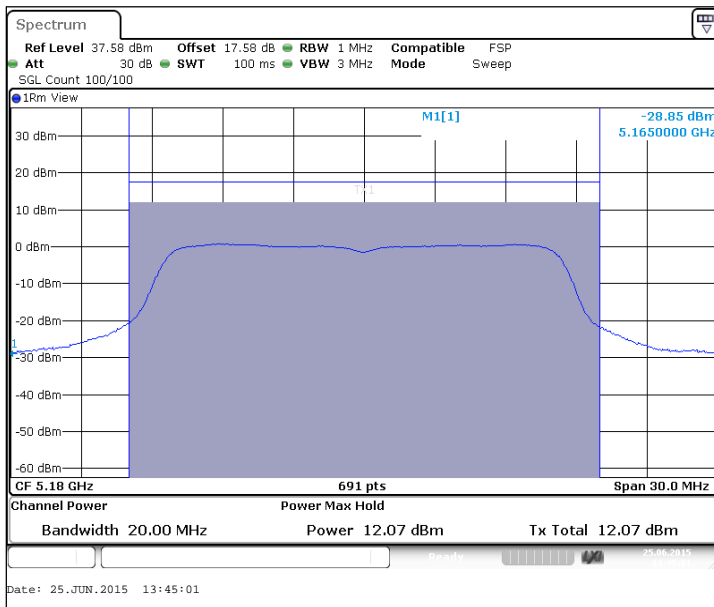
2.4.8 802.11a mode, 64QAM modulation, 54 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	12.09	16.181	PASSED
36 / 5180 AUX	12.07	16.106	PASSED

Channel 36 / 5180MHz



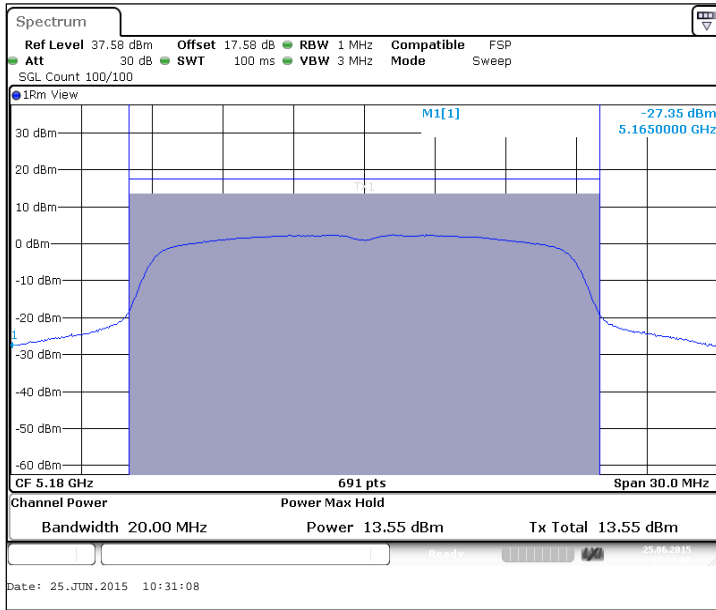
Channel 36 / 5180MHz



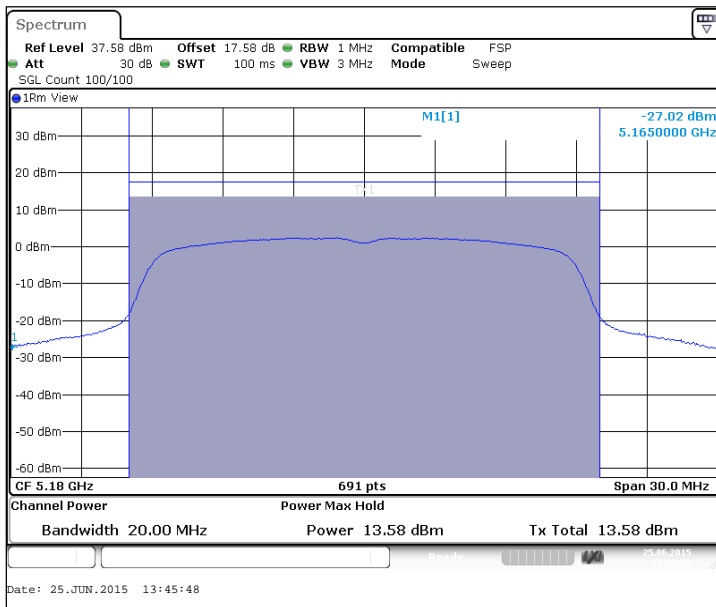
2.4.9 802.11n mode, BPSK modulation, 6.5 / 7.25 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.55	22.646	PASSED
36 / 5180 AUX	13.58	22.803	PASSED

Channel 36 / 5180MHz



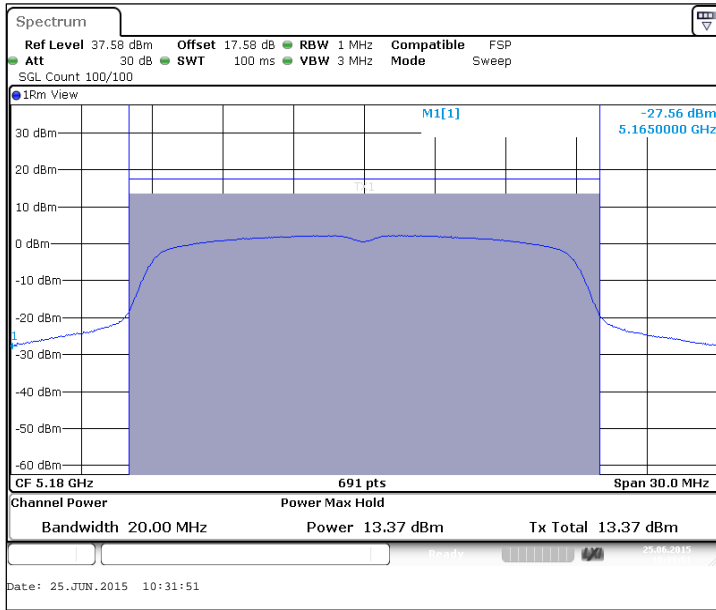
Channel 36 / 5180MHz



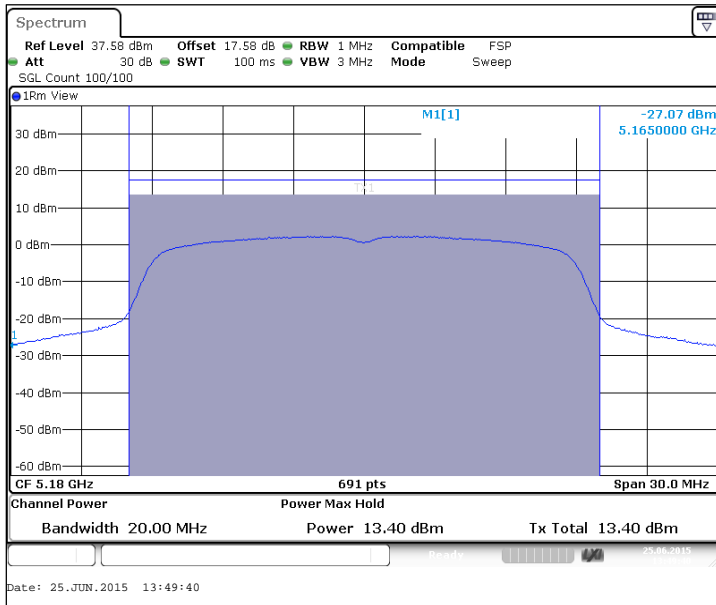
2.4.10 802.11n mode, QPSK modulation, 13.0 / 14.4 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.37	21.727	PASSED
36 / 5180 AUX	13.4	21.878	PASSED

Channel 36 / 5180MHz



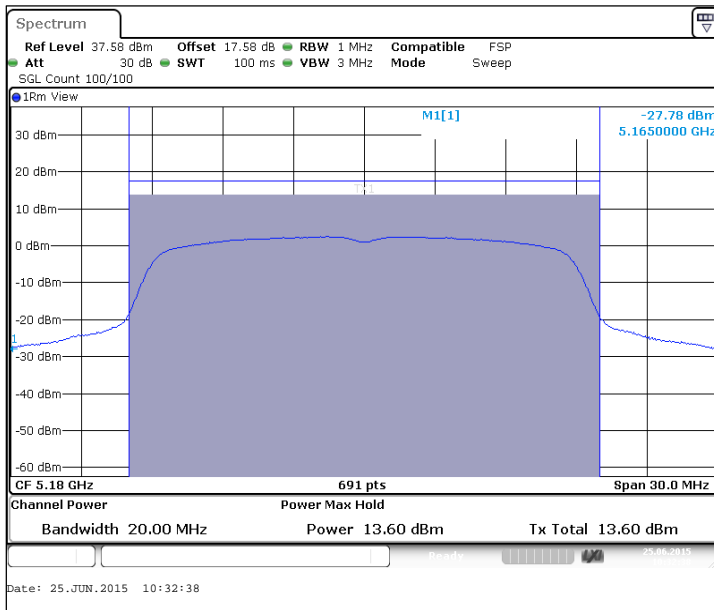
Channel 36 / 5180MHz



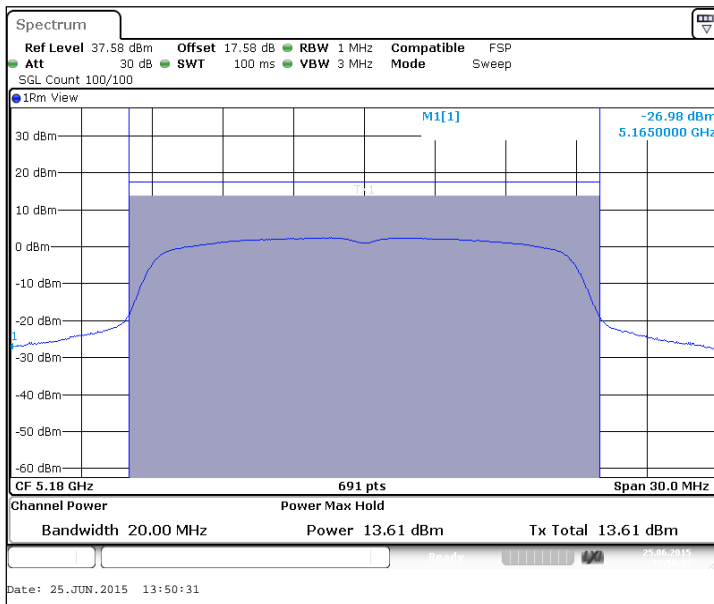
2.4.11 802.11n mode, QPSK modulation, 19.5 / 21.7 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.6	22.909	PASSED
36 / 5180 AUX	13.61	22.961	PASSED

Channel 36 / 5180MHz



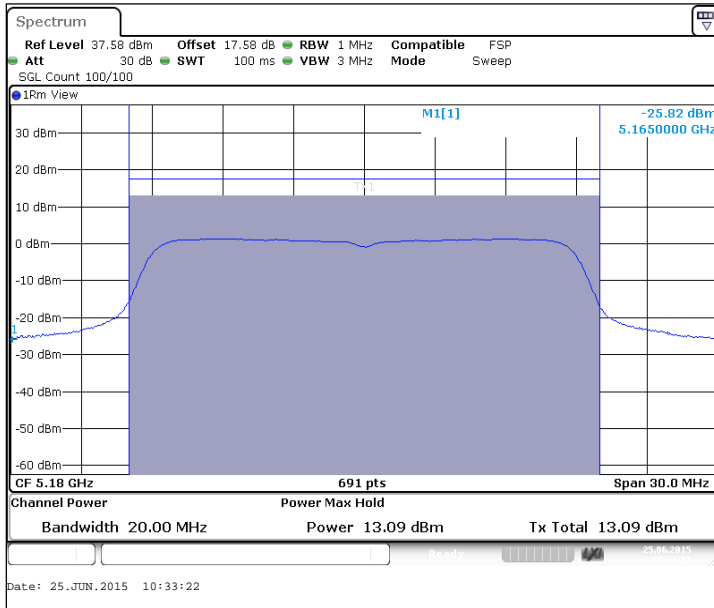
Channel 36 / 5180MHz



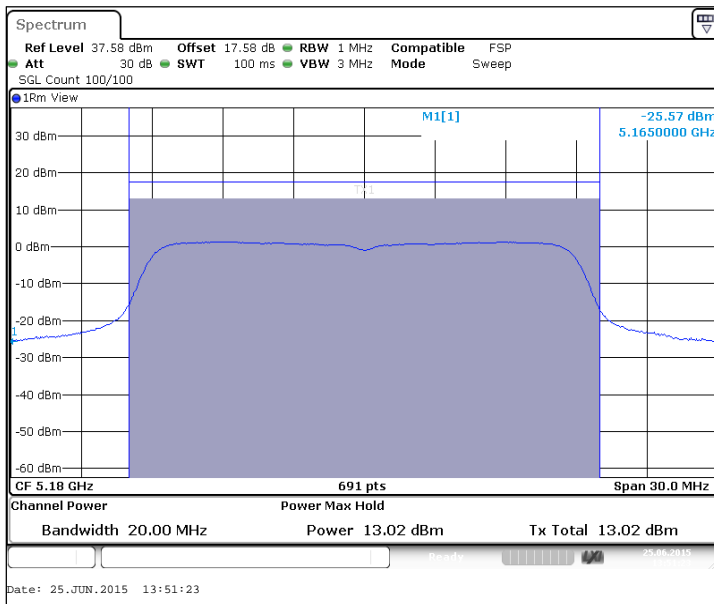
2.4.12 802.11n mode, 16QAM modulation, 26.0 / 28.9 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.09	20.37	PASSED
36 / 5180 AUX	13.02	20.045	PASSED

Channel 36 / 5180MHz



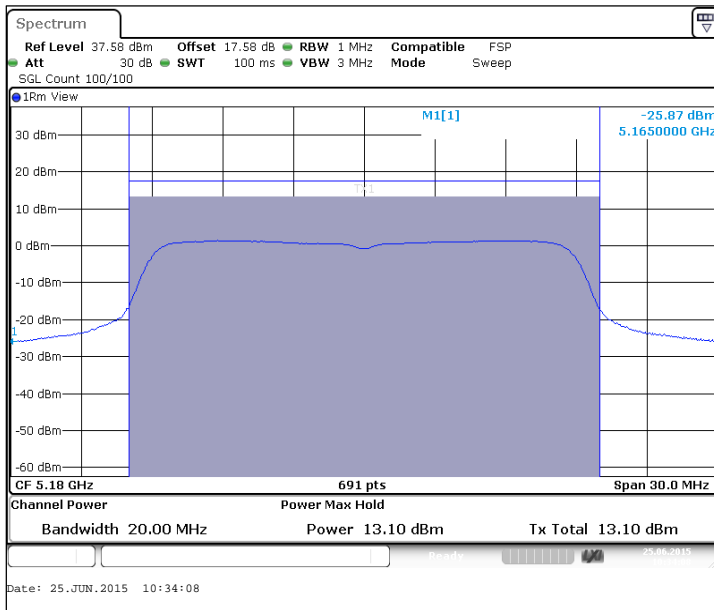
Channel 36 / 5180MHz



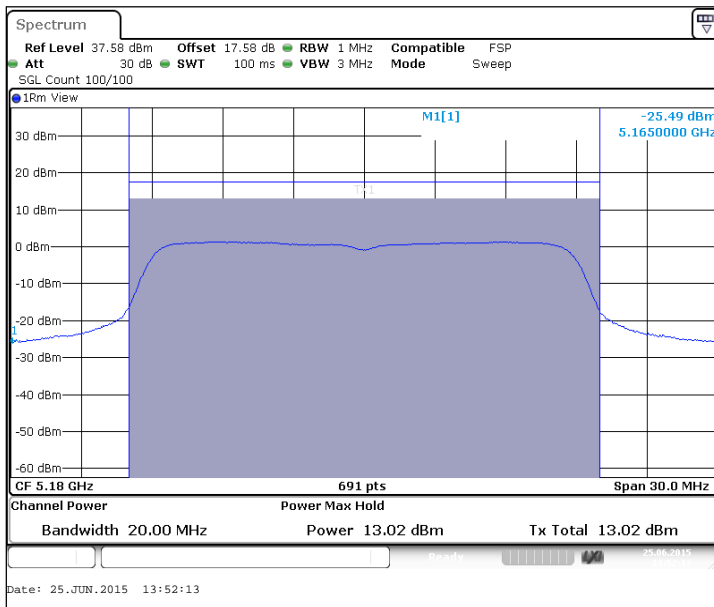
2.4.13 802.11n mode, 16QAM modulation, 39.0 / 43.3 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	13.1	20.417	PASSED
36 / 5180 AUX	13.02	20.045	PASSED

Channel 36 / 5180MHz



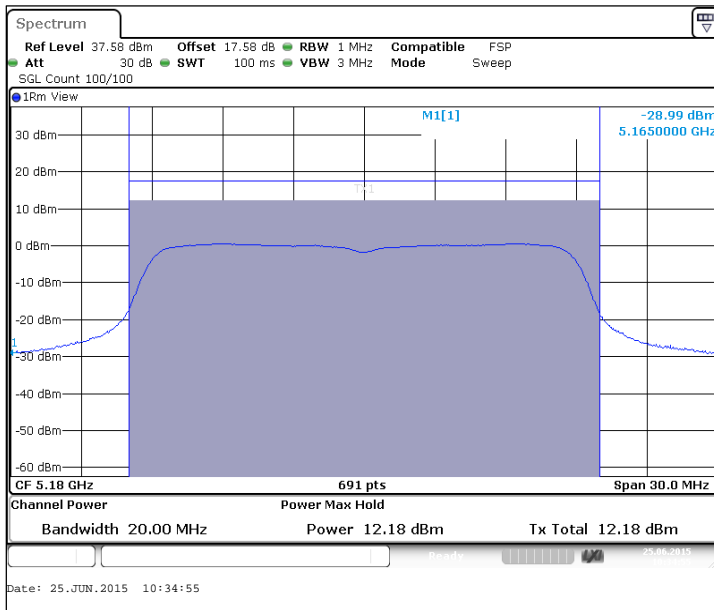
Channel 36 / 5180MHz



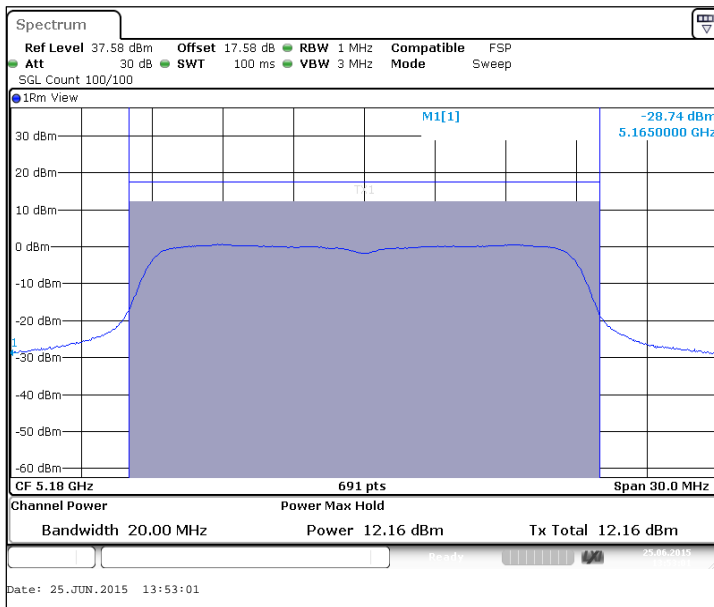
2.4.14 802.11n mode, 64QAM modulation, 52.0 / 57.8 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	12.18	16.52	PASSED
36 / 5180 AUX	12.16	16.444	PASSED

Channel 36 / 5180MHz



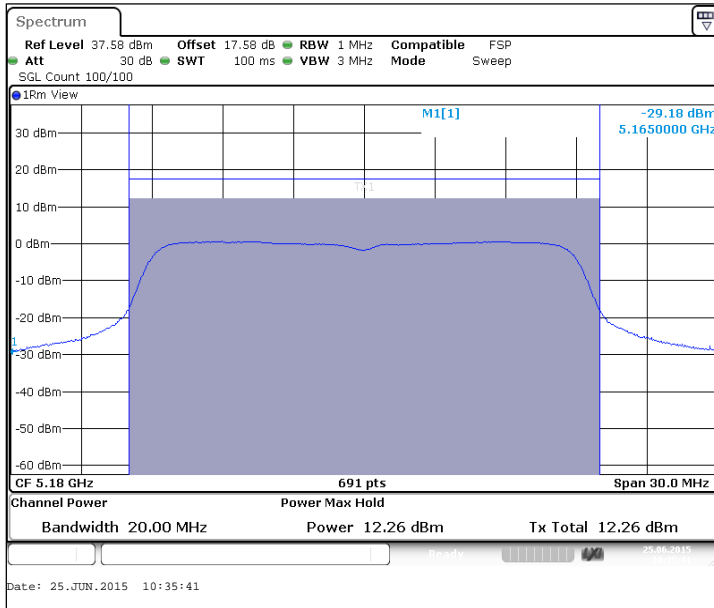
Channel 36 / 5180MHz



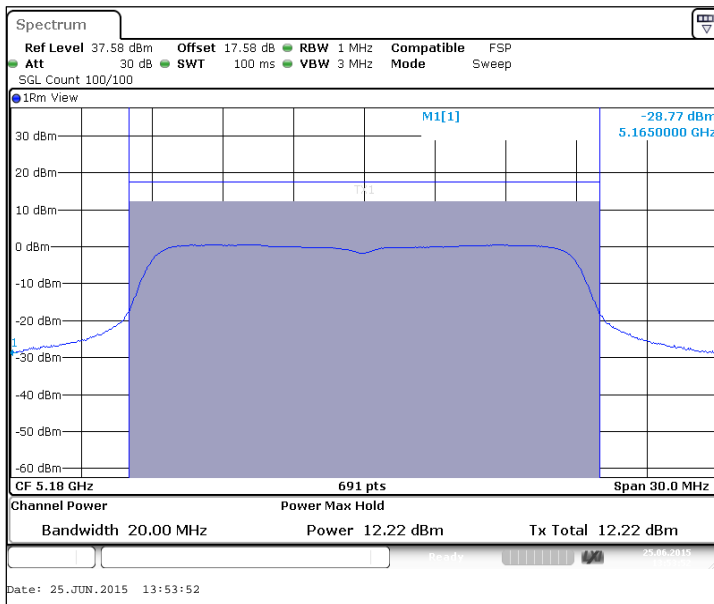
2.4.15 802.11n mode, 64QAM modulation, 58.5 / 65.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	12.26	16.827	PASSED
36 / 5180 AUX	12.22	16.672	PASSED

Channel 36 / 5180MHz



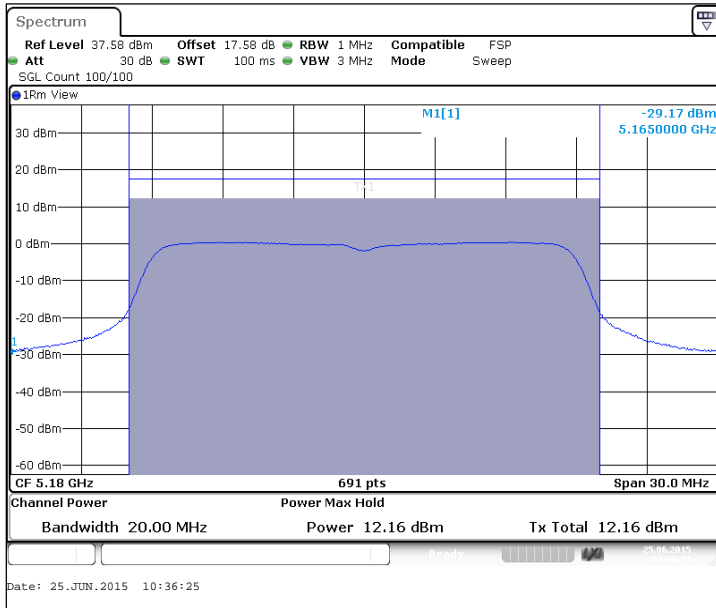
Channel 36 / 5180MHz



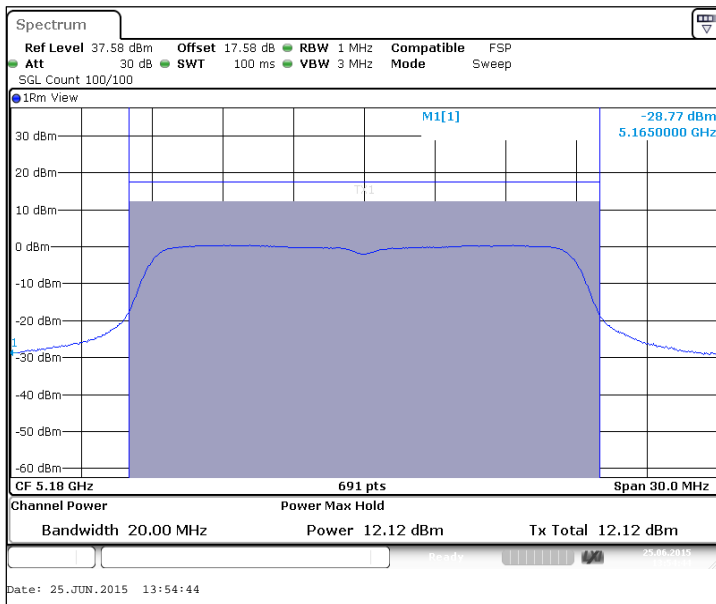
2.4.16 802.11n mode, 64QAM modulation, 65.0 / 72.2 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	12.16	16.444	PASSED
36 / 5180 AUX	12.12	16.293	PASSED

Channel 36 / 5180MHz



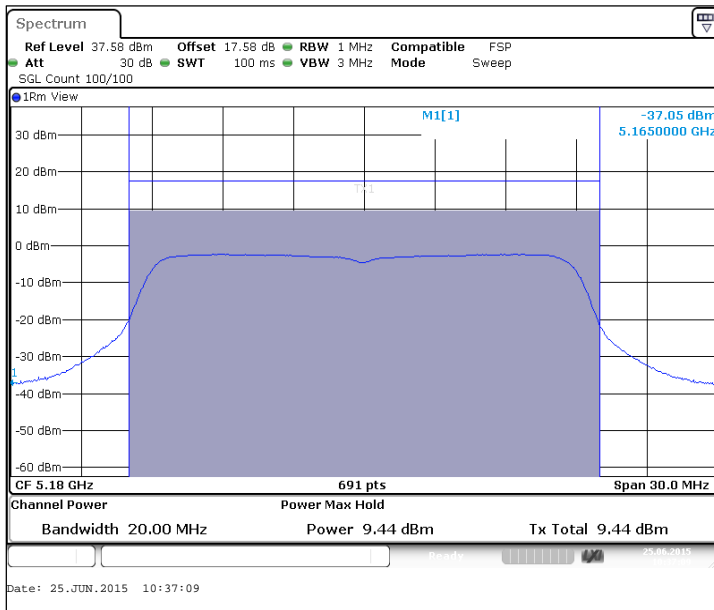
Channel 36 / 5180MHz



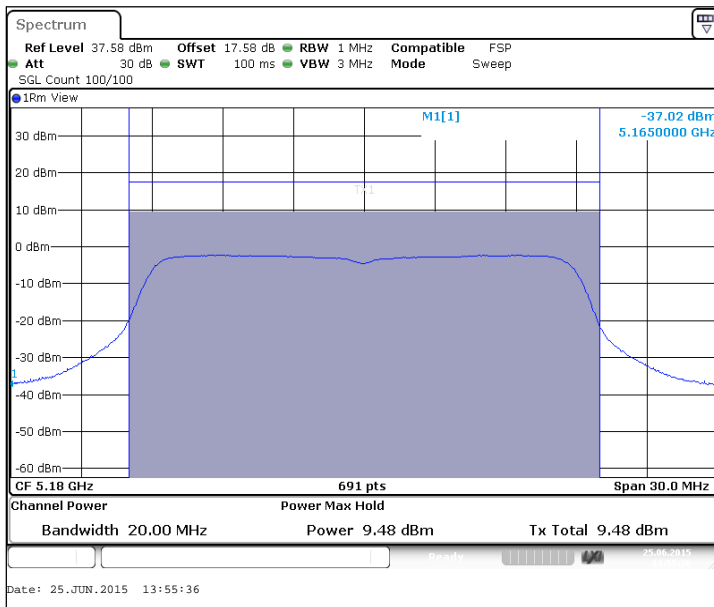
2.4.17 802.11ac mode, 256QAM modulation, 78.0 / 86.7 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36 / 5180 MAIN	9.44	8.79	PASSED
36 / 5180 AUX	9.48	8.872	PASSED

Channel 36 / 5180MHz



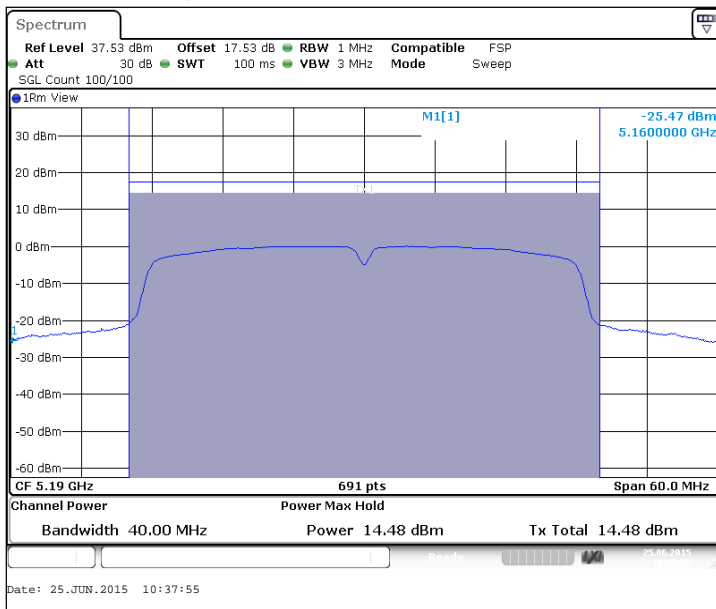
Channel 36 / 5180MHz



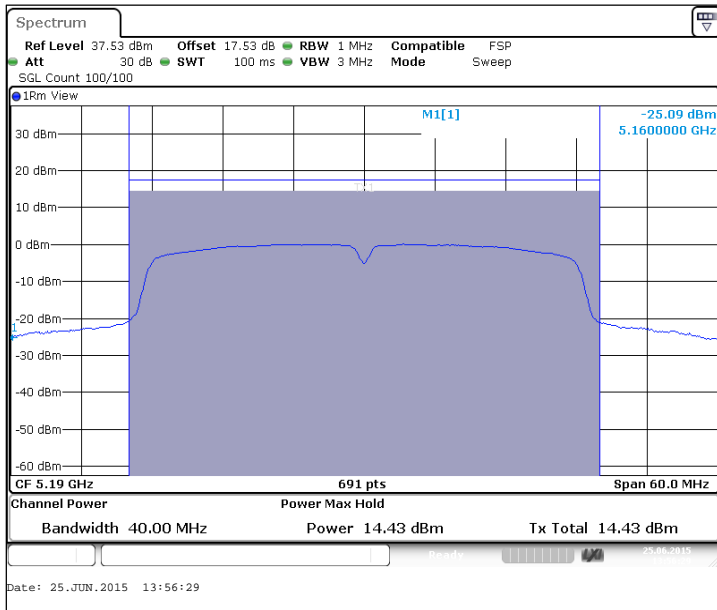
2.4.18 802.11n mode, BPSK modulation, 13.5 / 15.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	14.48	28.054	PASSED
36+40 / 5190 AUX	14.43	27.733	PASSED
36+40 / 5190 MAIN	15.54	35.81	PASSED
44+48 / 5230 MAIN	15.43	34.914	PASSED
52+56 / 5270 MAIN	15.55	35.892	PASSED
60+64 / 5310 MAIN	15.41	34.754	PASSED
100+104 / 5510 MAIN	15.77	37.757	PASSED
108+112 / 5550 MAIN	15.75	37.584	PASSED
149+153 / 5755 MAIN	23.61	229.615	PASSED
157+161 / 5795 MAIN	23.91	246.037	PASSED
132+136 / 5670 MAIN	15.33	34.119	PASSED
36+40 / 5190 AUX	14.41	27.606	PASSED
44+48 / 5230 AUX	14.35	27.227	PASSED
52+56 / 5270 AUX	14.37	27.353	PASSED
60+64 / 5310 AUX	14.42	27.669	PASSED
100+104 / 5510 AUX	14.71	29.58	PASSED
108+112 / 5550 AUX	14.83	30.409	PASSED
132+136 / 5670 AUX	14.23	26.485	PASSED
149+153 / 5755 AUX	22.5	177.828	PASSED
157+161 / 5795 AUX	22.68	185.353	PASSED

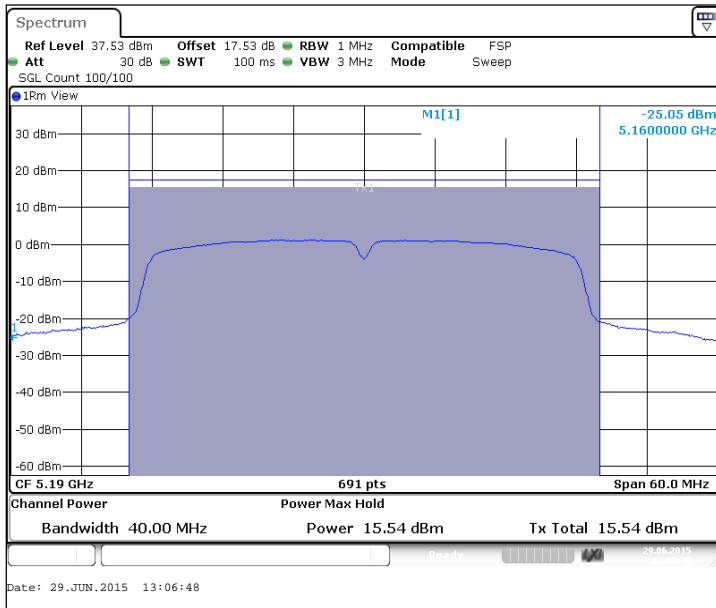
Channel 36+40 / 5190MHz



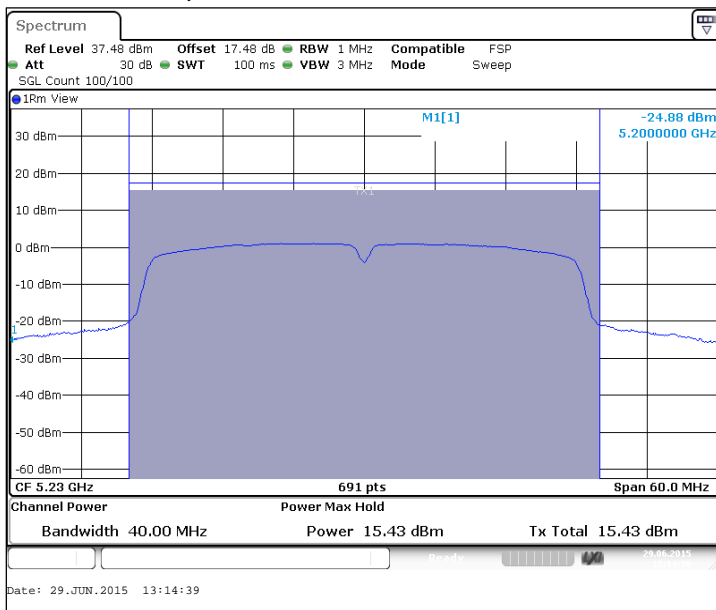
Channel 36+40 / 5190MHz



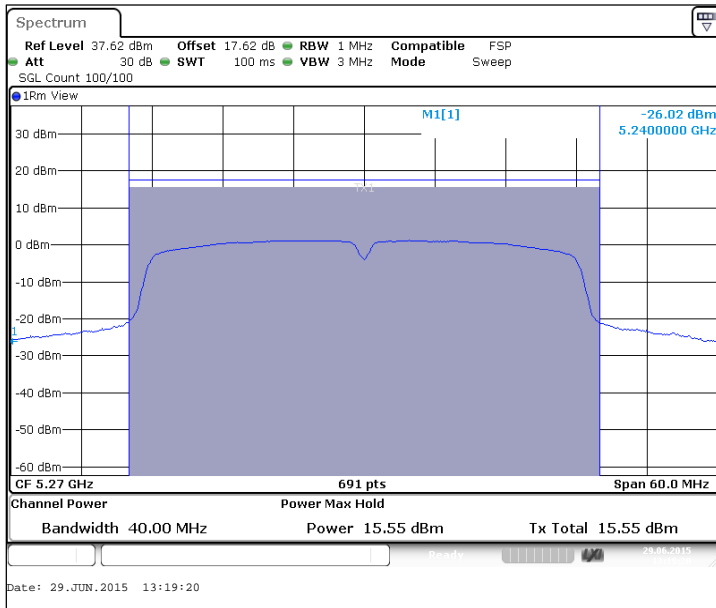
Channel 36+40 / 5190MHz



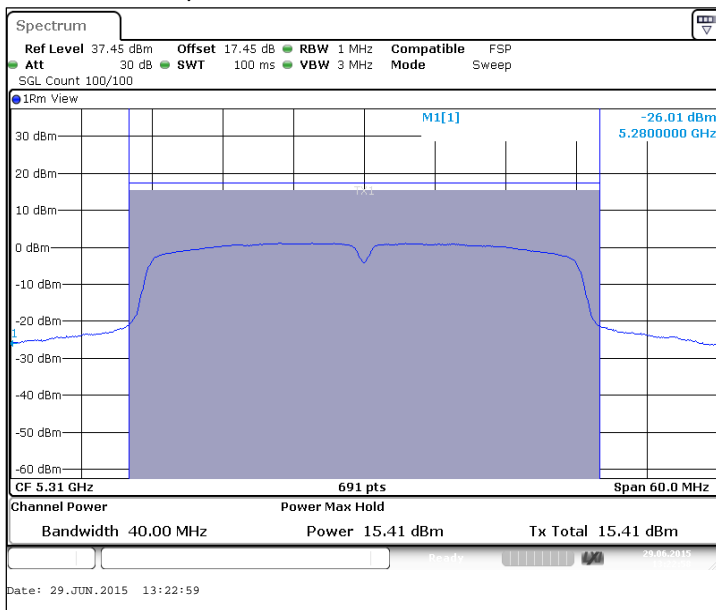
Channel 44+48 / 5230MHz



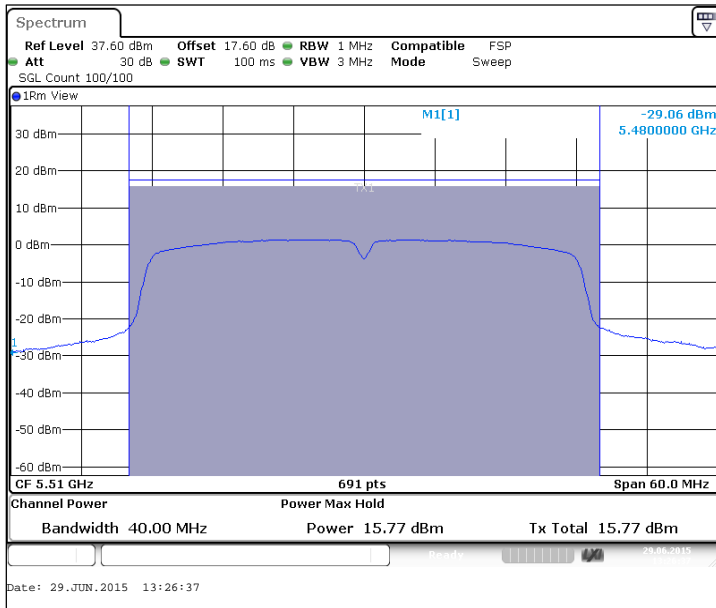
Channel 52+56 / 5270MHz



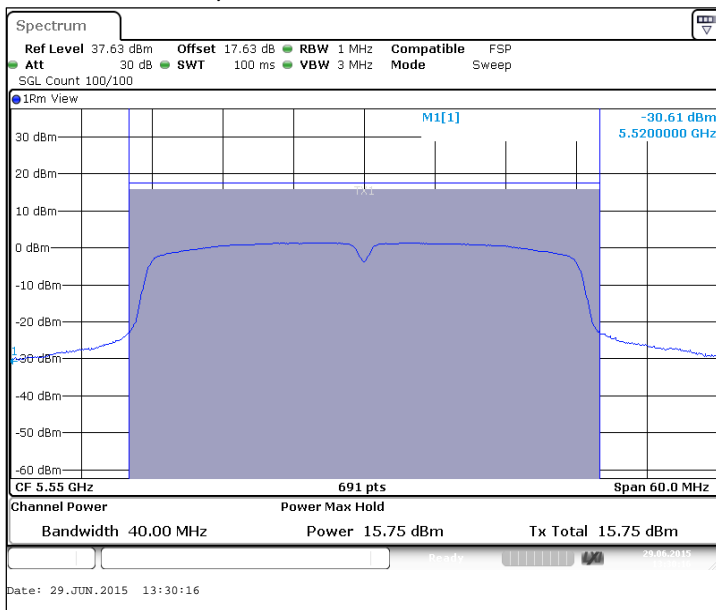
Channel 60+64 / 5310MHz



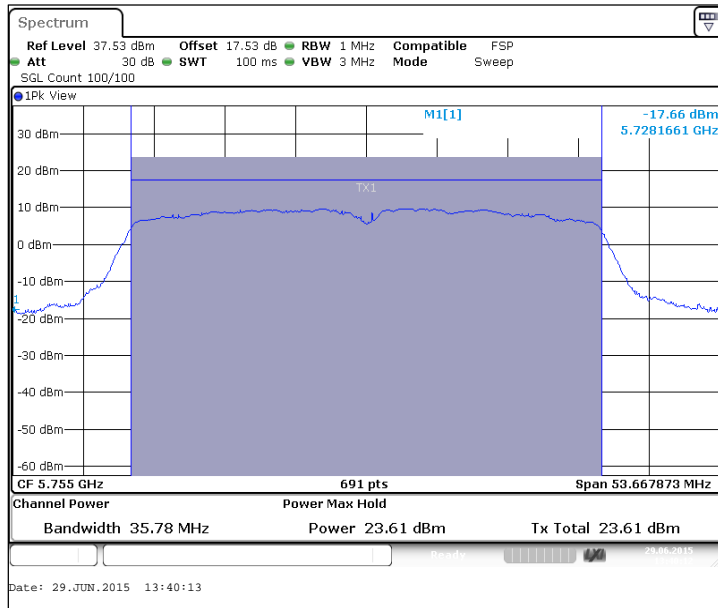
Channel 100+104 / 5510MHz



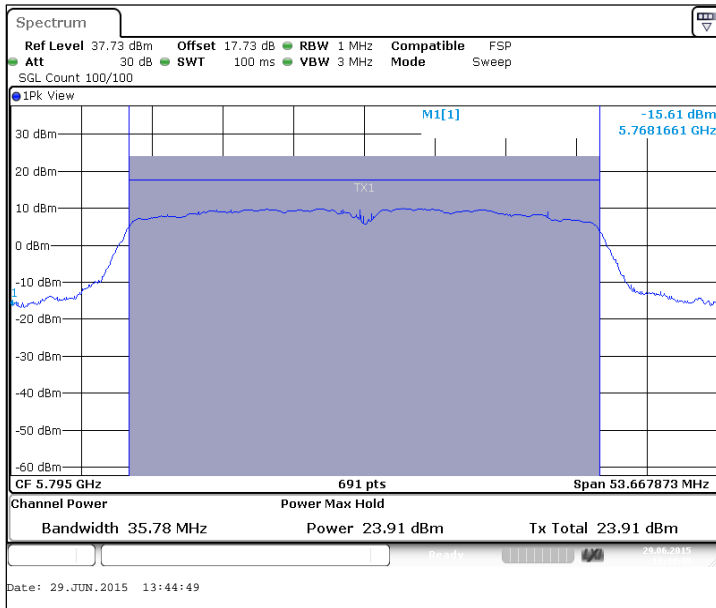
Channel 108+112 / 5550MHz



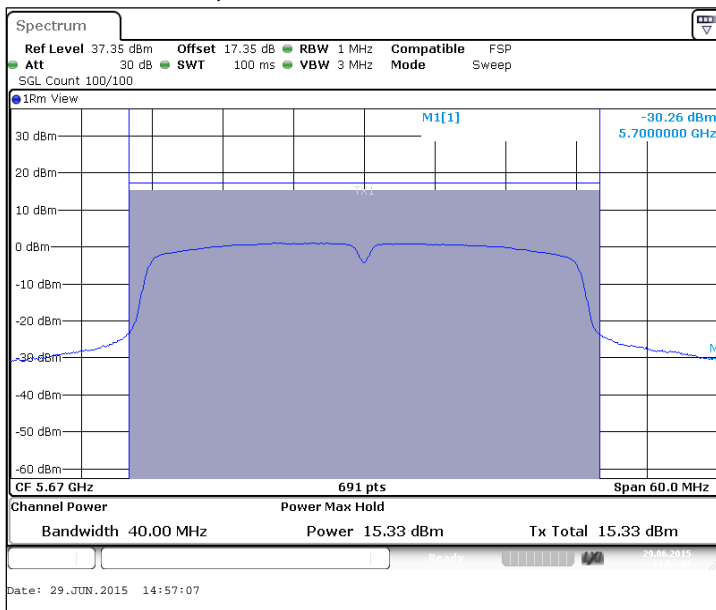
Channel 149+153 / 5755MHz



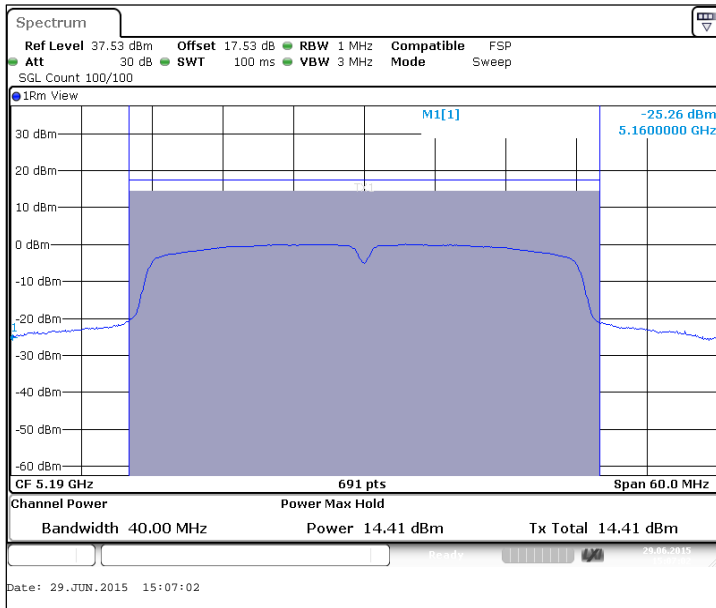
Channel 157+161 / 5795MHz



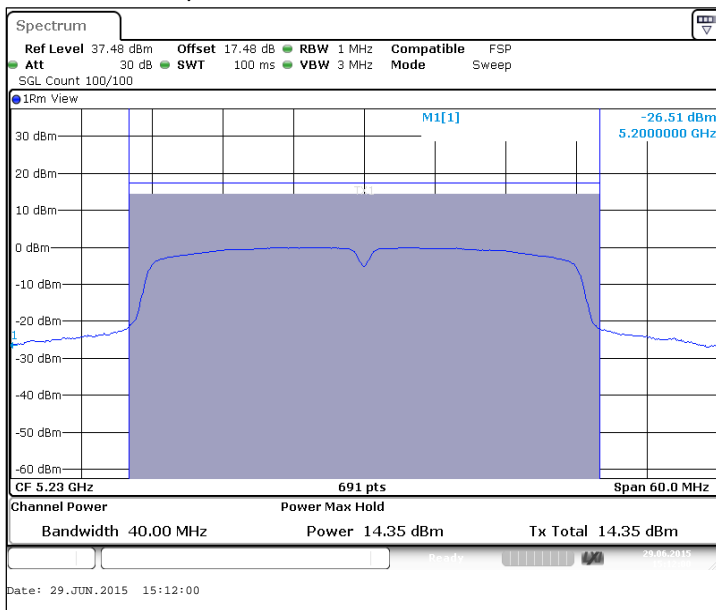
Channel 132+136 / 5670MHz



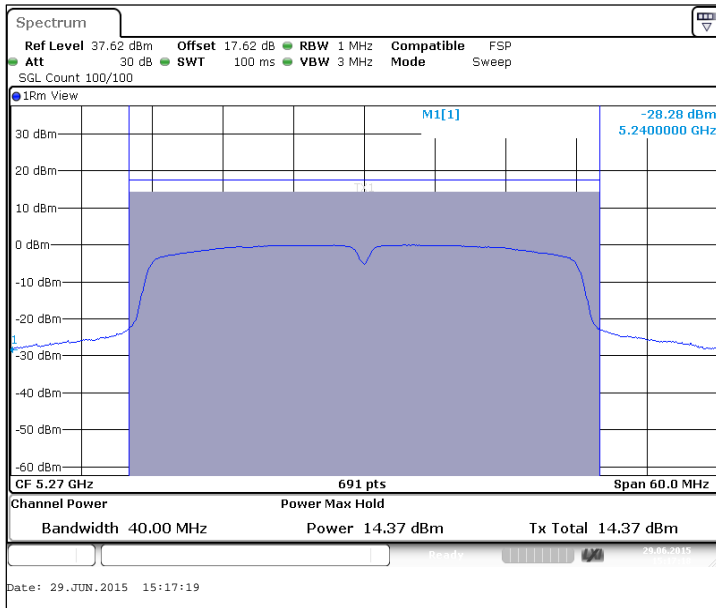
Channel 36+40 / 5190MHz



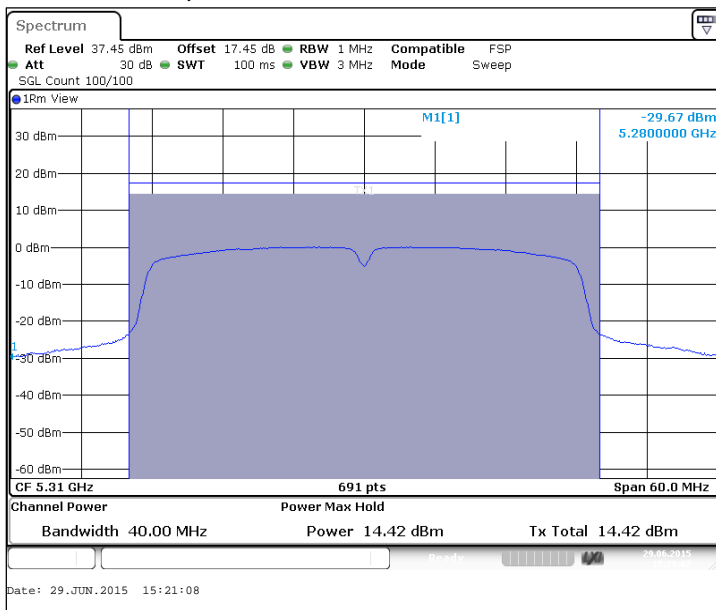
Channel 44+48 / 5230MHz



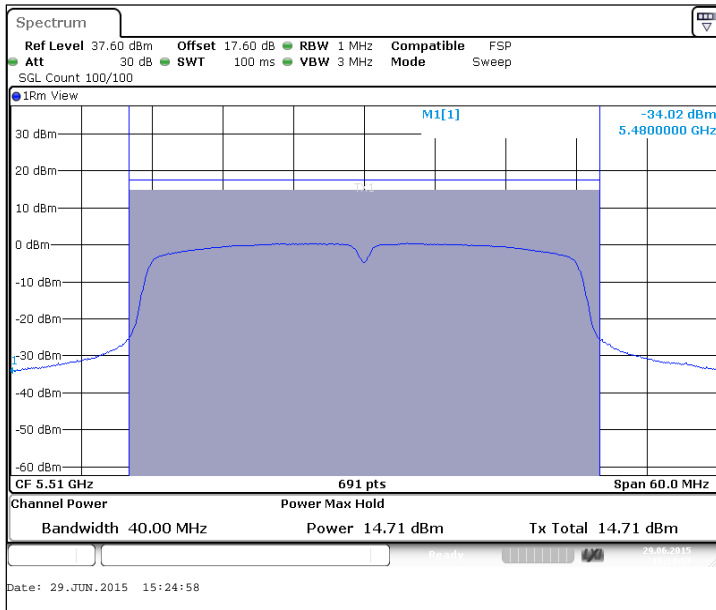
Channel 52+56 / 5270MHz



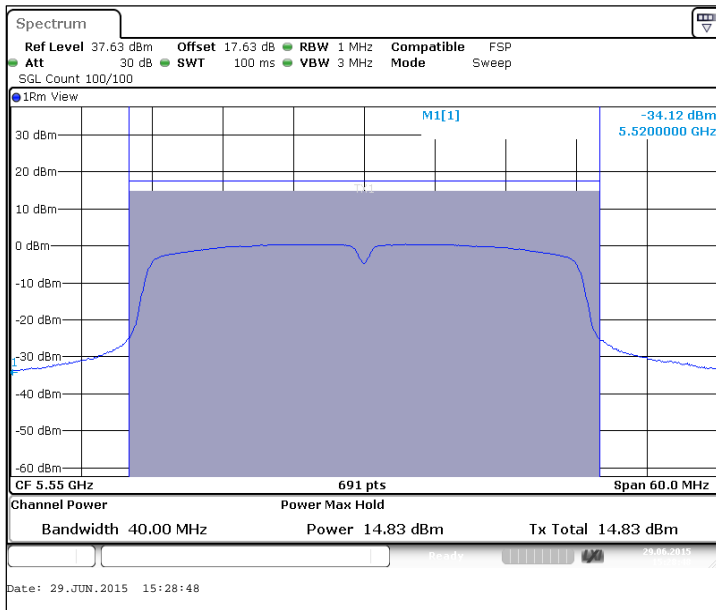
Channel 60+64 / 5310MHz



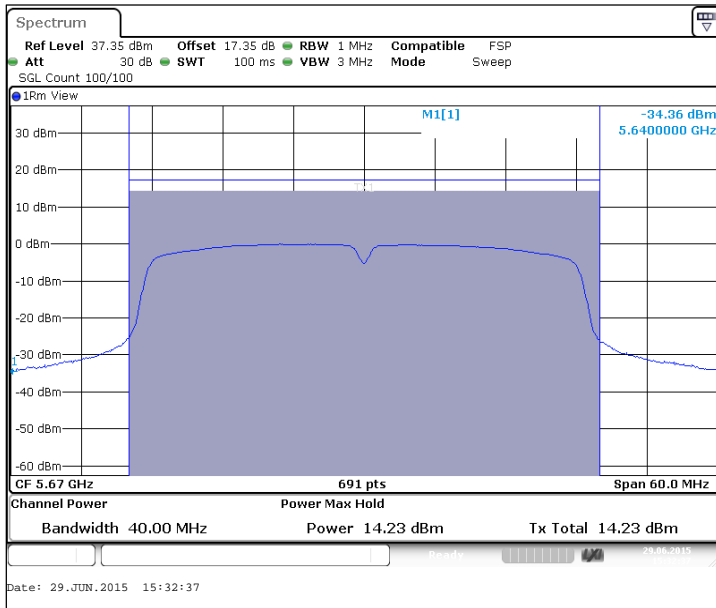
Channel 100+104 / 5510MHz



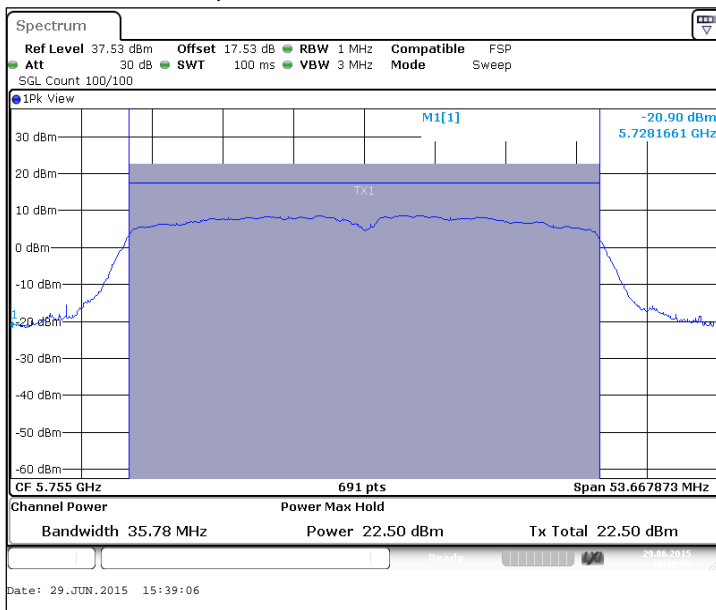
Channel 108+112 / 5550MHz



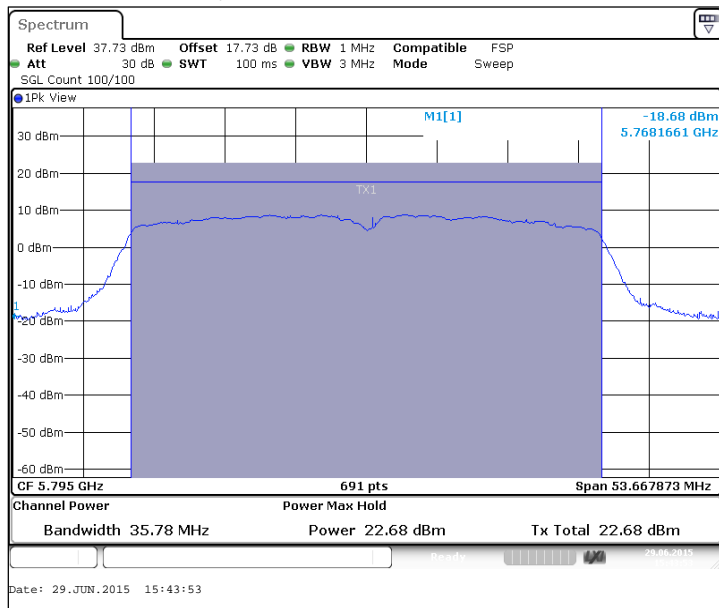
Channel 132+136 / 5670MHz



Channel 149+153 / 5755MHz



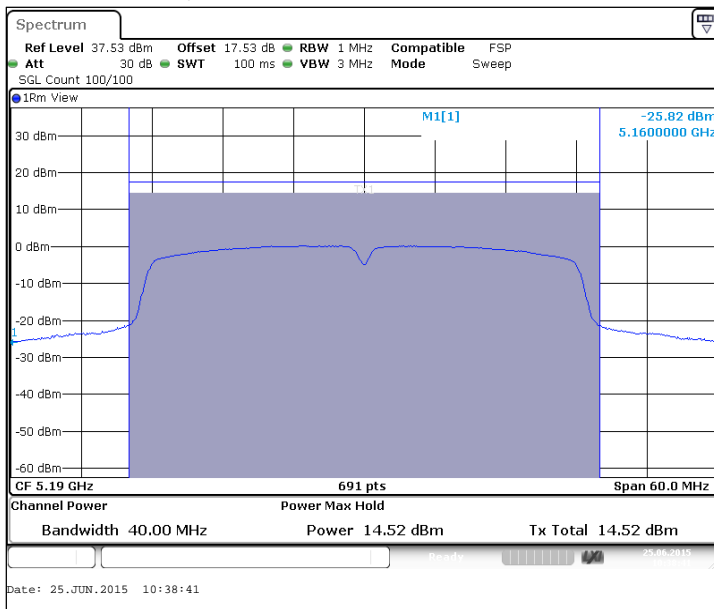
Channel 157+161 / 5795MHz



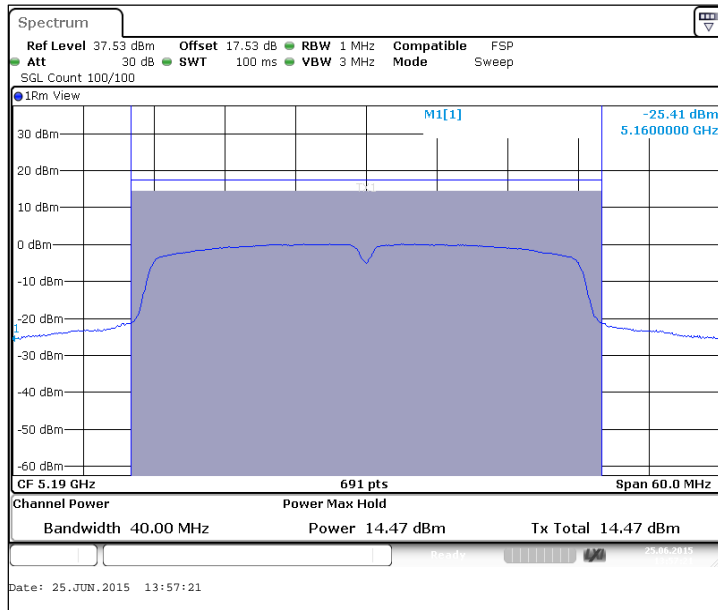
2.4.19 802.11n mode, QPSK modulation, 27.0 / 30.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	14.52	28.314	PASSED
36+40 / 5190 AUX	14.47	27.99	PASSED
36+40 / 5190 MAIN	15.59	36.224	PASSED
44+48 / 5230 MAIN	15.48	35.318	PASSED
52+56 / 5270 MAIN	15.58	36.141	PASSED
60+64 / 5310 MAIN	15.45	35.075	PASSED
100+104 / 5510 MAIN	15.81	38.107	PASSED
108+112 / 5550 MAIN	15.79	37.931	PASSED
132+136 / 5670 MAIN	15.35	34.277	PASSED
149+153 / 5755 MAIN	23.38	217.771	PASSED
157+161 / 5795 MAIN	23.65	231.739	PASSED
36+40 / 5190 AUX	14.52	28.314	PASSED
44+48 / 5230 AUX	14.48	28.054	PASSED
52+56 / 5270 AUX	14.5	28.184	PASSED
60+64 / 5310 AUX	14.52	28.314	PASSED
100+104 / 5510 AUX	14.84	30.479	PASSED
108+112 / 5550 AUX	14.95	31.261	PASSED
132+136 / 5670 AUX	14.37	27.353	PASSED
149+153 / 5755 AUX	22.43	174.985	PASSED
157+161 / 5795 AUX	22.54	179.473	PASSED

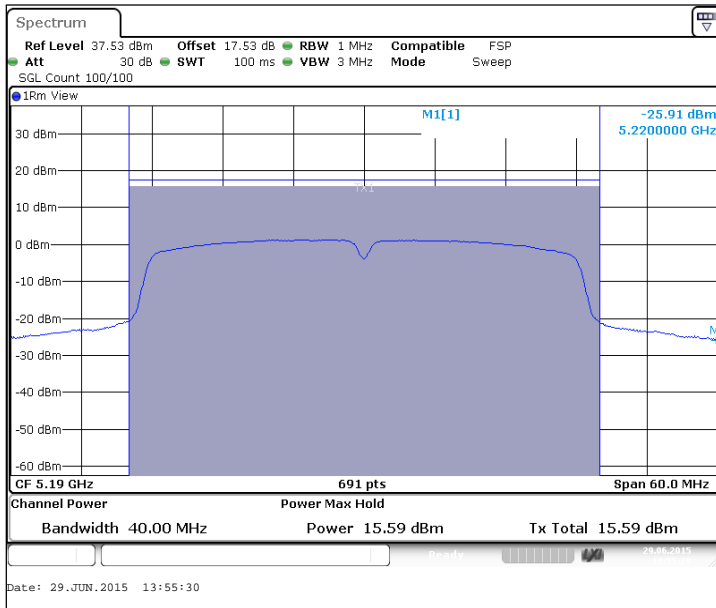
Channel 36+40 / 5190MHz



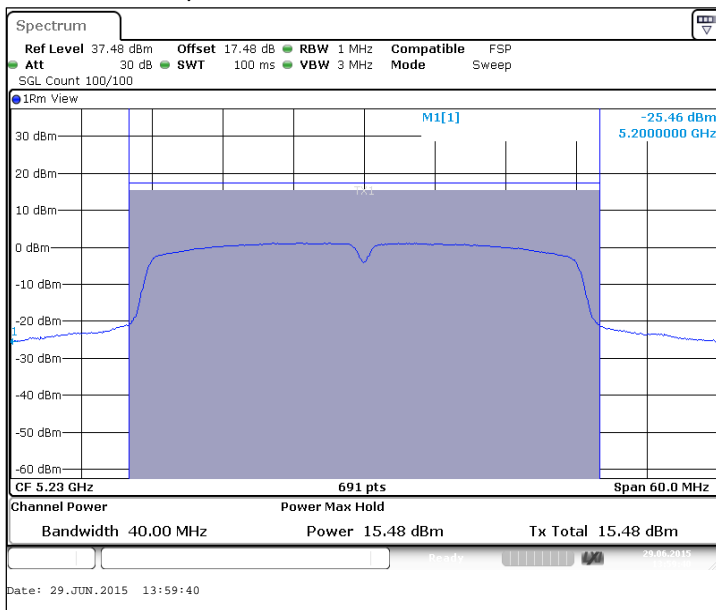
Channel 36+40 / 5190MHz



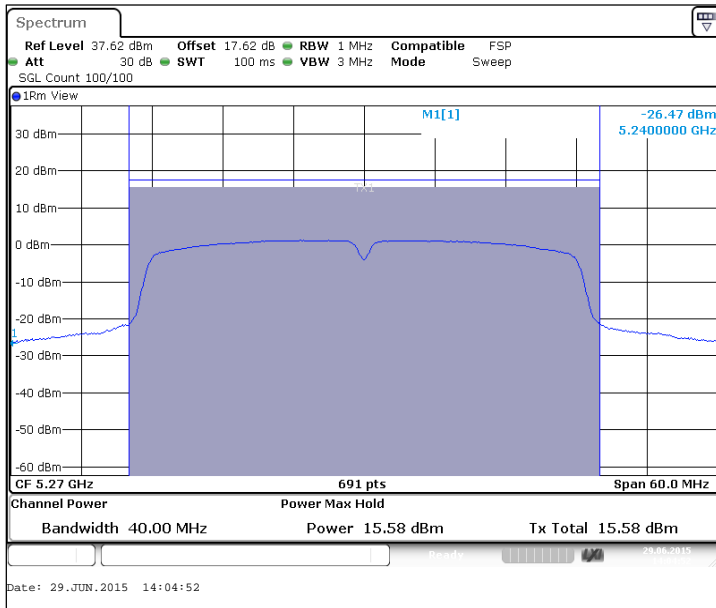
Channel 36+40 / 5190MHz



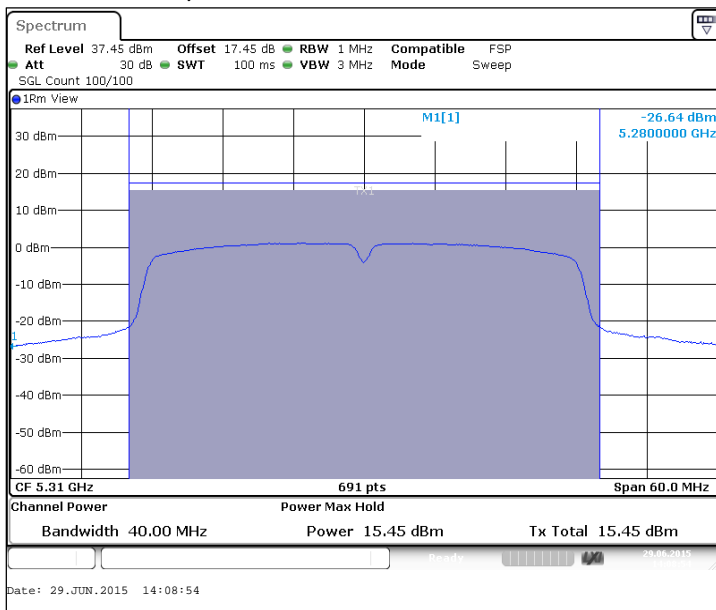
Channel 44+48 / 5230MHz



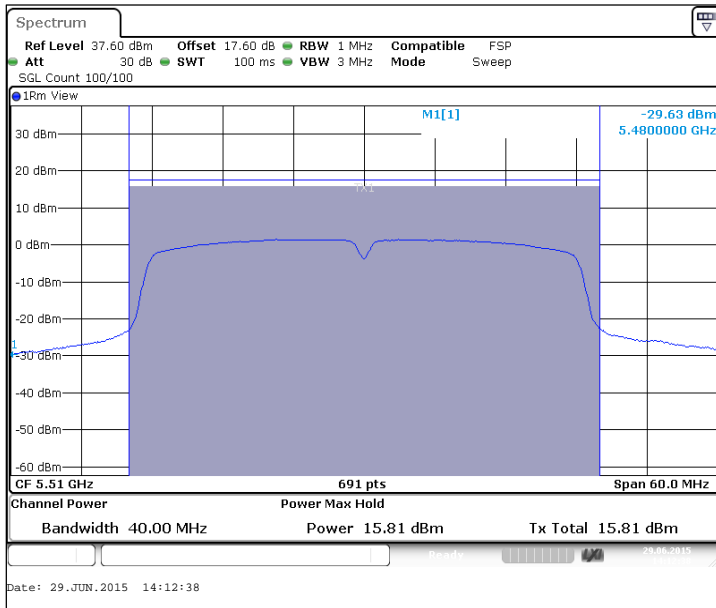
Channel 52+56 / 5270MHz



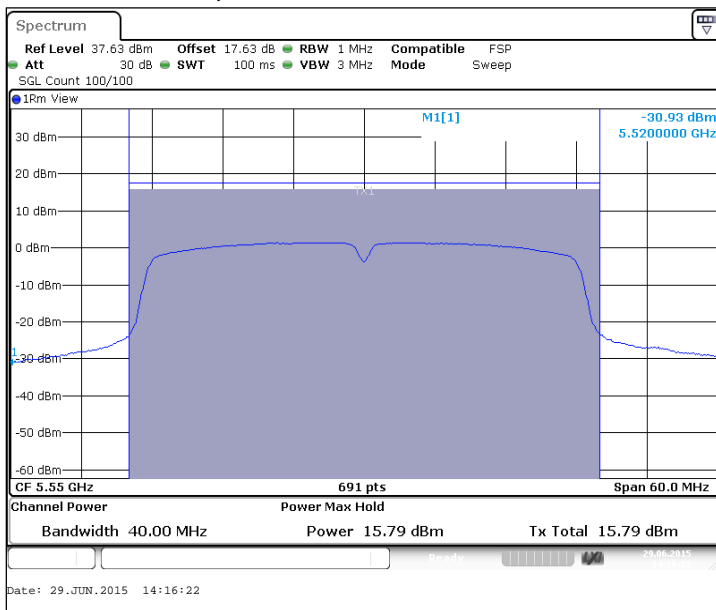
Channel 60+64 / 5310MHz



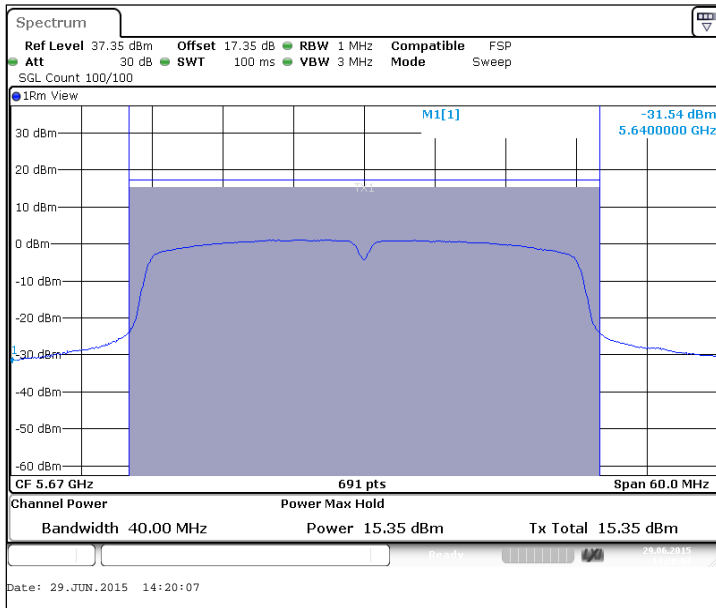
Channel 100+104 / 5510MHz



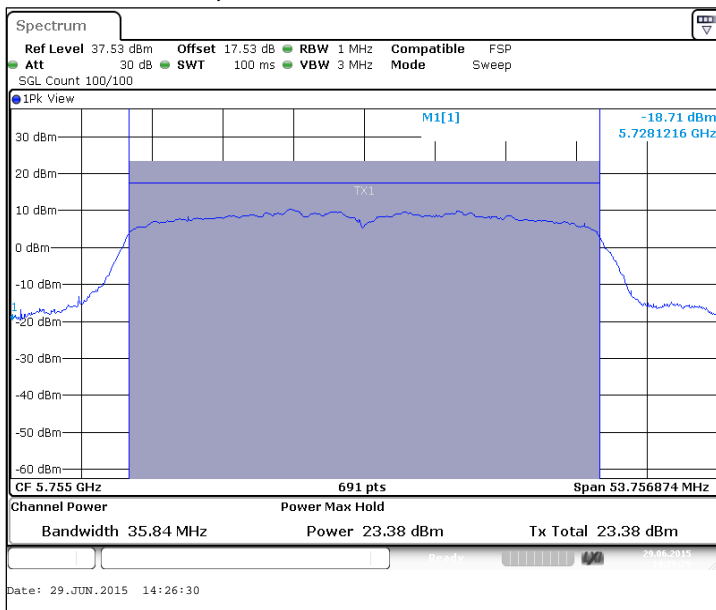
Channel 108+112 / 5550MHz



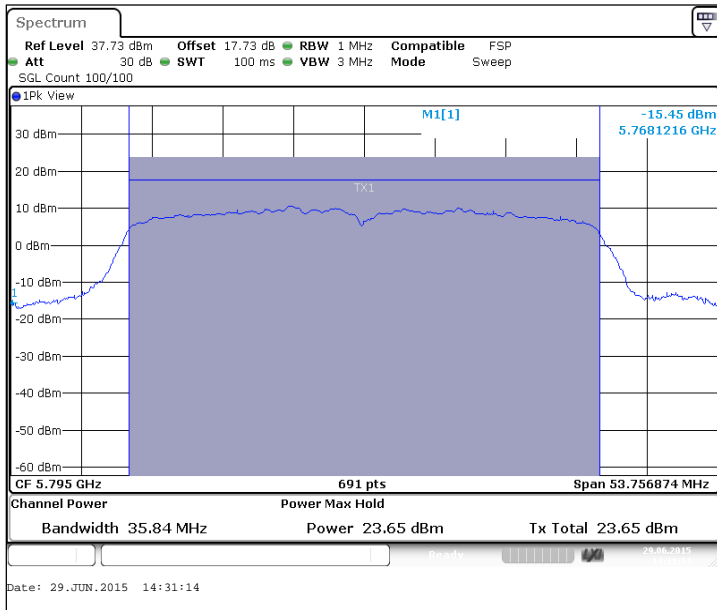
Channel 132+136 / 5670MHz



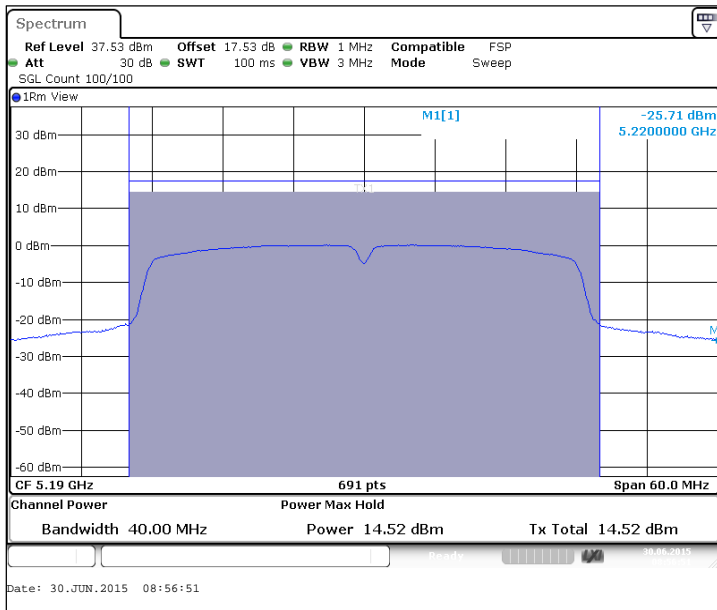
Channel 149+153 / 5755MHz



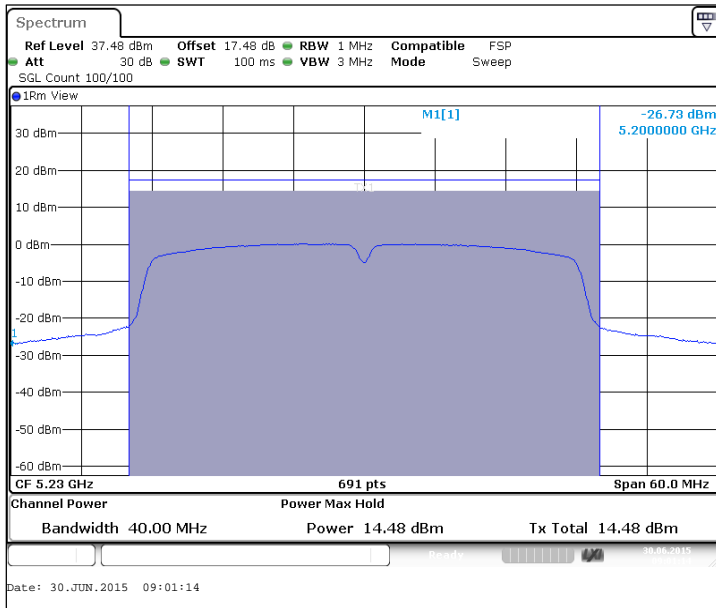
Channel 157+161 / 5795MHz



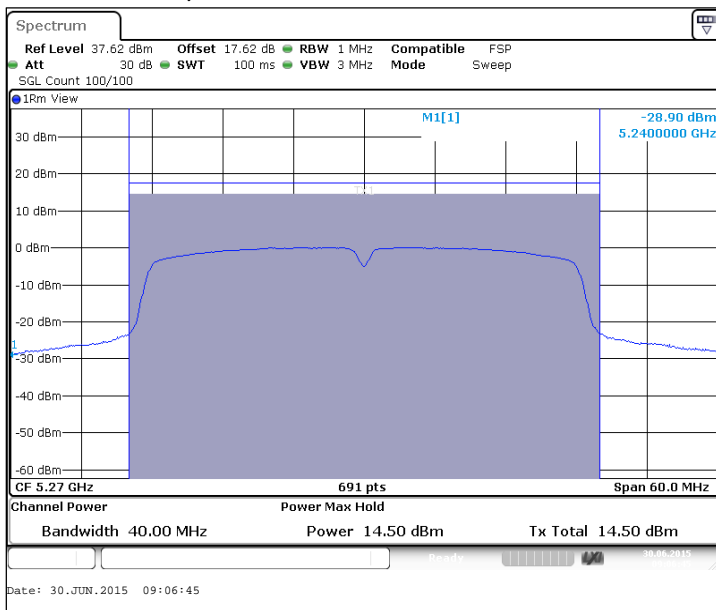
Channel 36+40 / 5190MHz



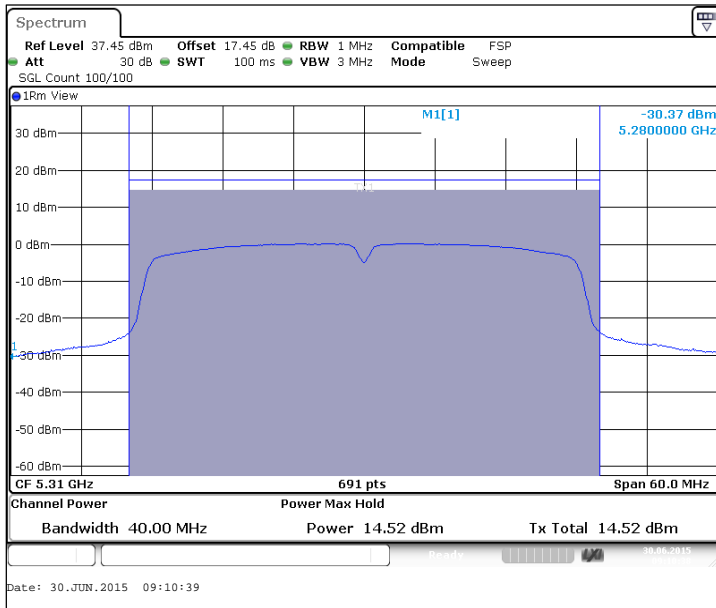
Channel 44+48 / 5230MHz



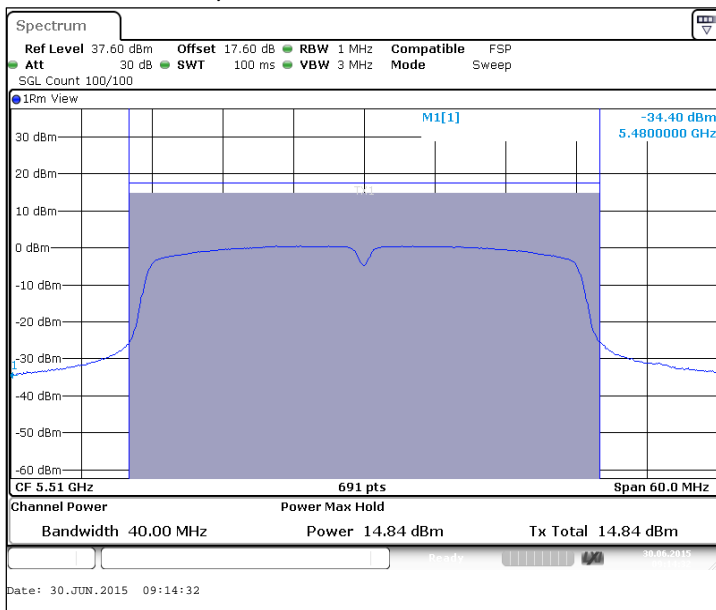
Channel 52+56 / 5270MHz



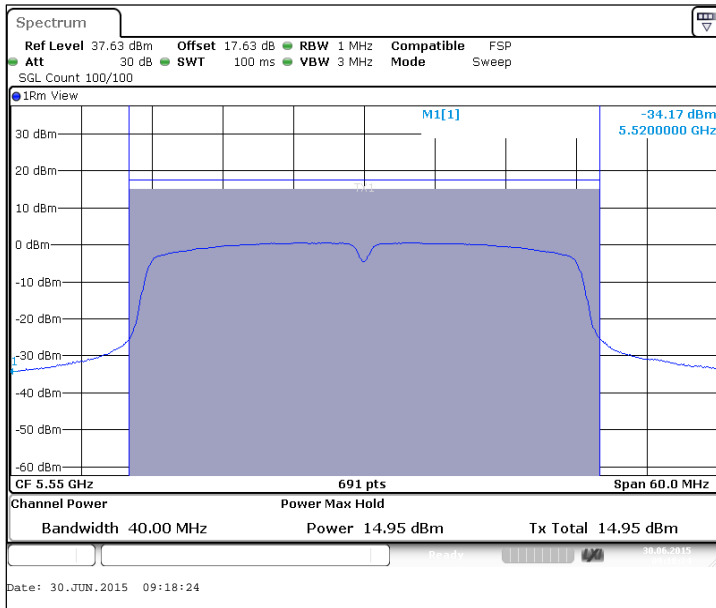
Channel 60+64 / 5310MHz



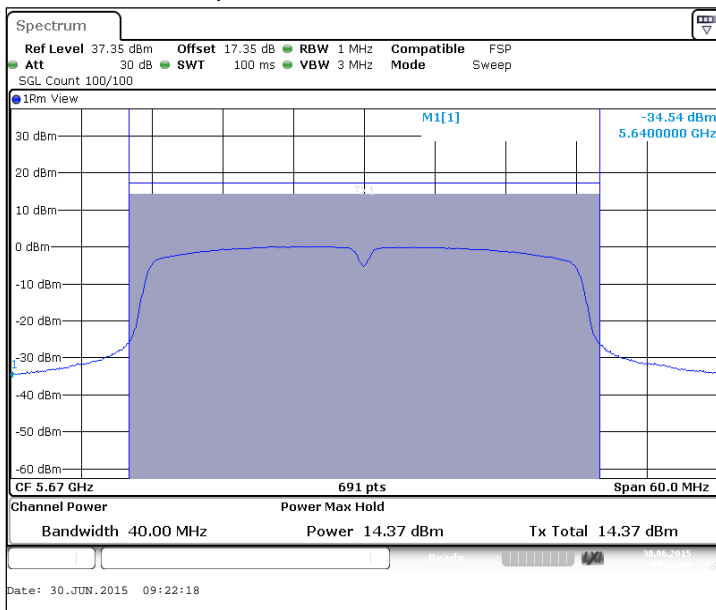
Channel 100+104 / 5510MHz



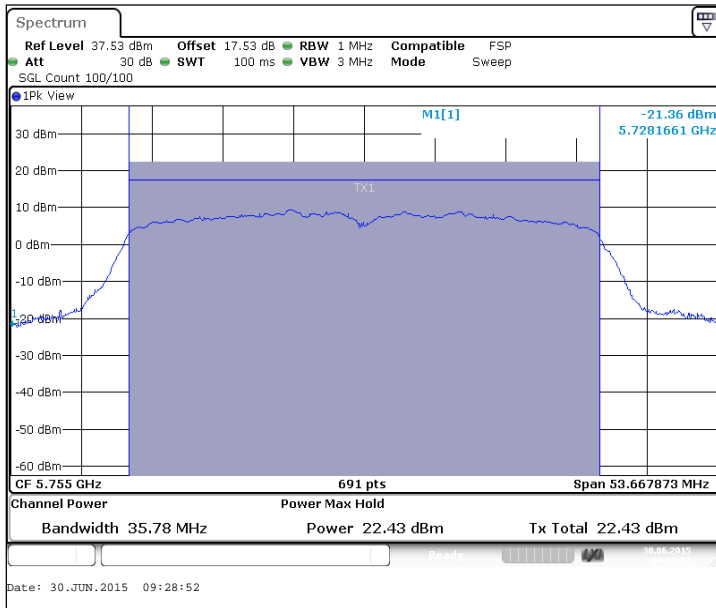
Channel 108+112 / 5550MHz



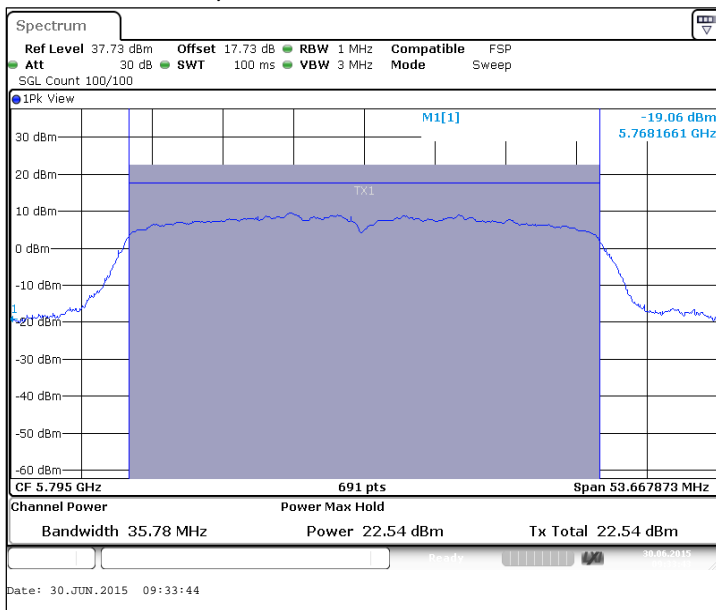
Channel 132+136 / 5670MHz



Channel 149+153 / 5755MHz



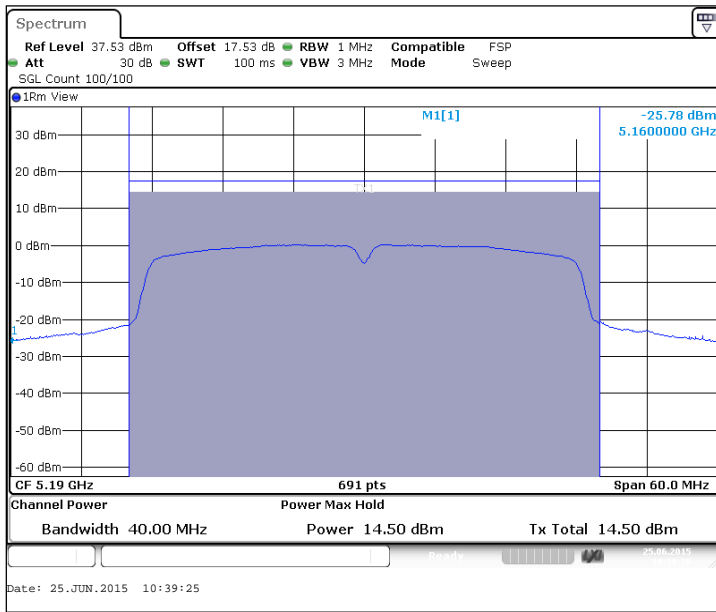
Channel 157+161 / 5795MHz



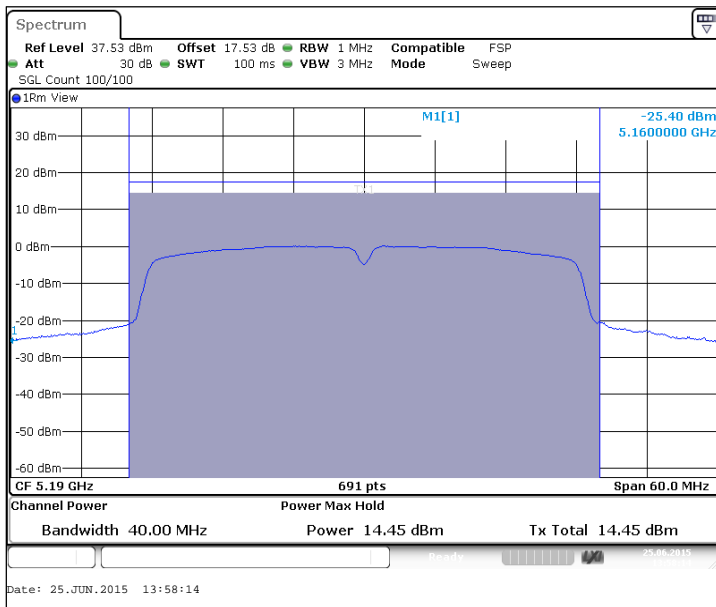
2.4.20 802.11n mode, QPSK modulation, 40.5 / 45.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	14.5	28.184	PASSED
36+40 / 5190 AUX	14.45	27.861	PASSED

Channel 36+40 / 5190MHz



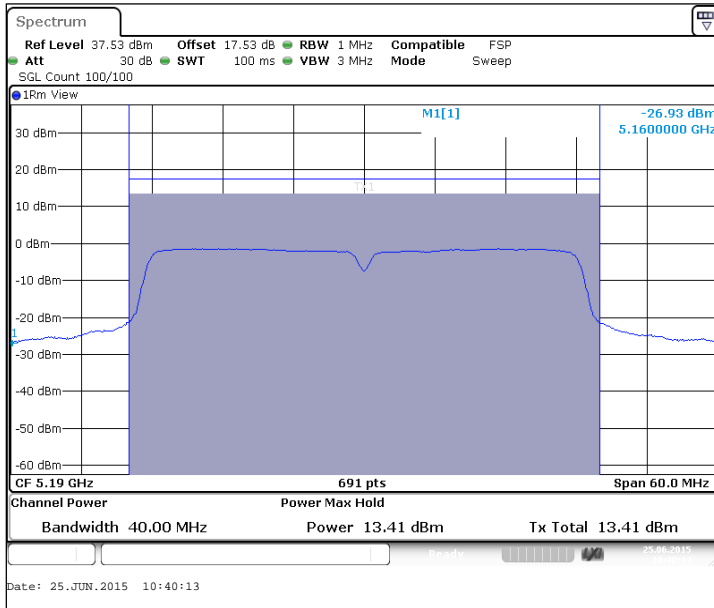
Channel 36+40 / 5190MHz



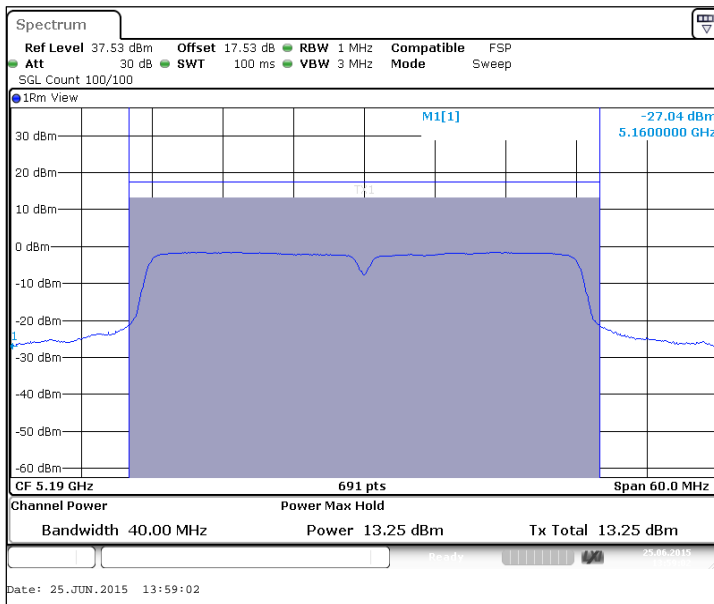
2.4.21 802.11n mode, 16QAM modulation, 54.0 / 60.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	13.41	21.928	PASSED
36+40 / 5190 AUX	13.25	21.135	PASSED

Channel 36+40 / 5190MHz



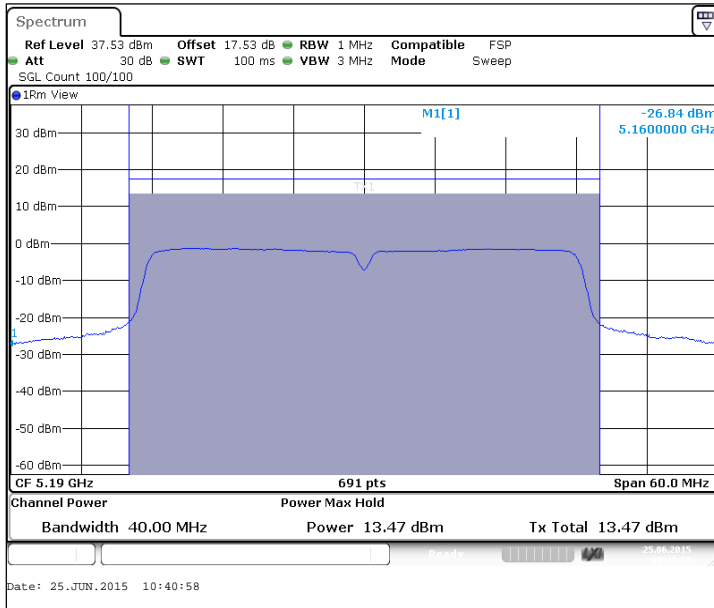
Channel 36+40 / 5190MHz



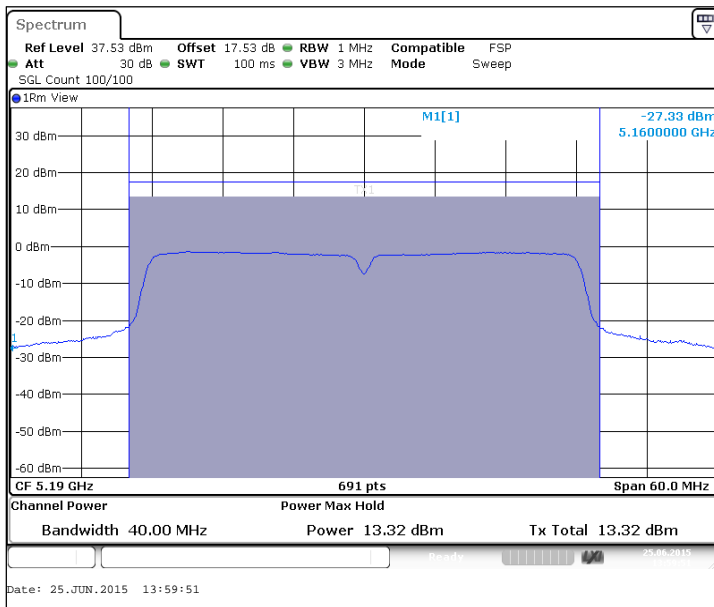
2.4.22 802.11n mode, 16QAM modulation, 81.0 / 90.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	13.47	22.233	PASSED
36+40 / 5190 AUX	13.32	21.478	PASSED

Channel 36+40 / 5190MHz



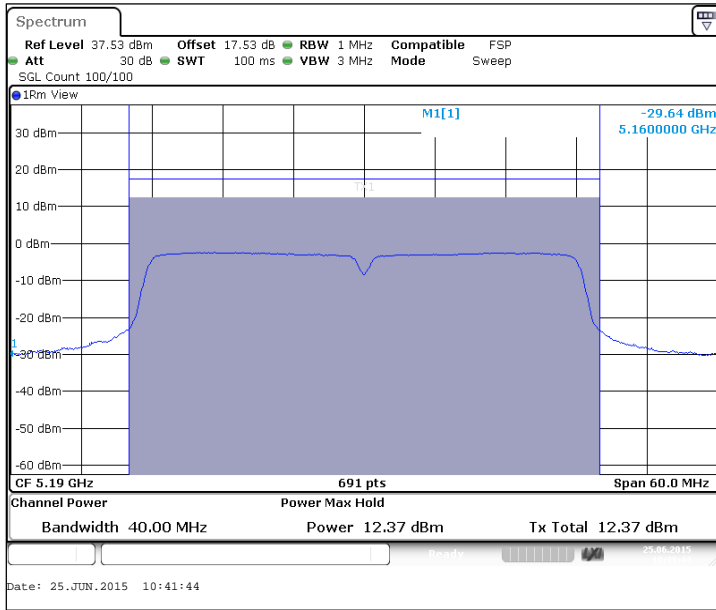
Channel 36+40 / 5190MHz



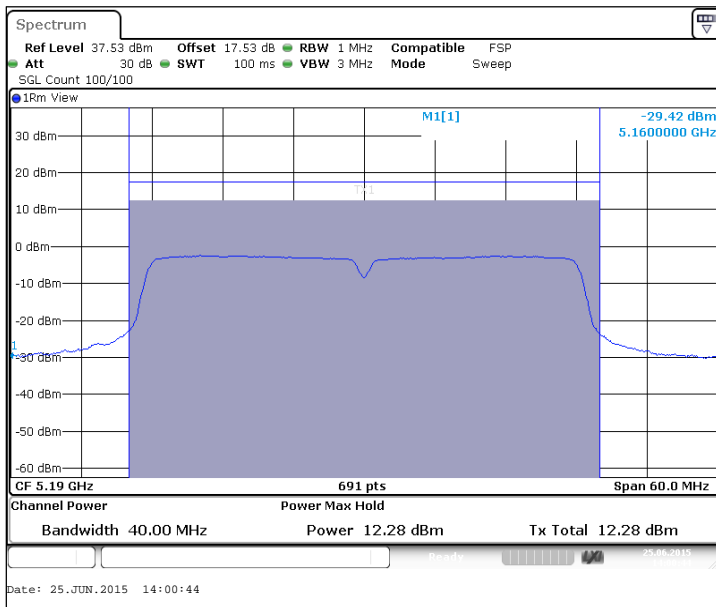
2.4.23 802.11n mode, 64QAM modulation, 108.0 / 120.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	12.37	17.258	PASSED
36+40 / 5190 AUX	12.28	16.904	PASSED

Channel 36+40 / 5190MHz



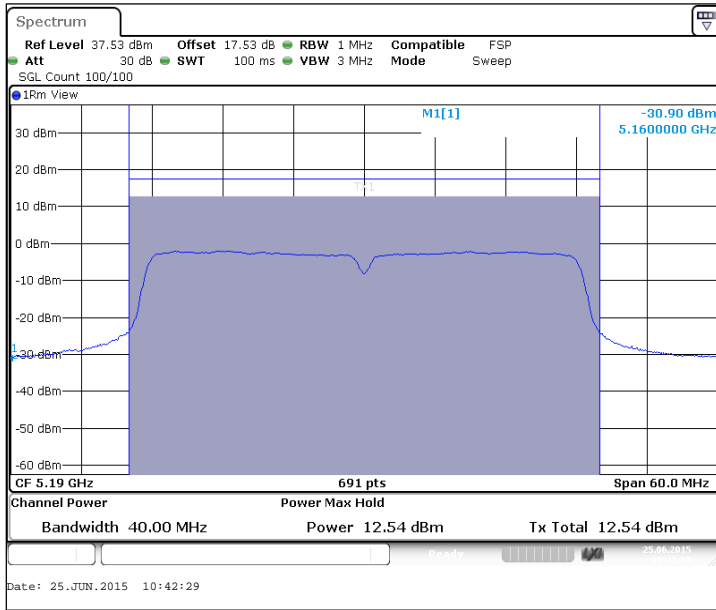
Channel 36+40 / 5190MHz



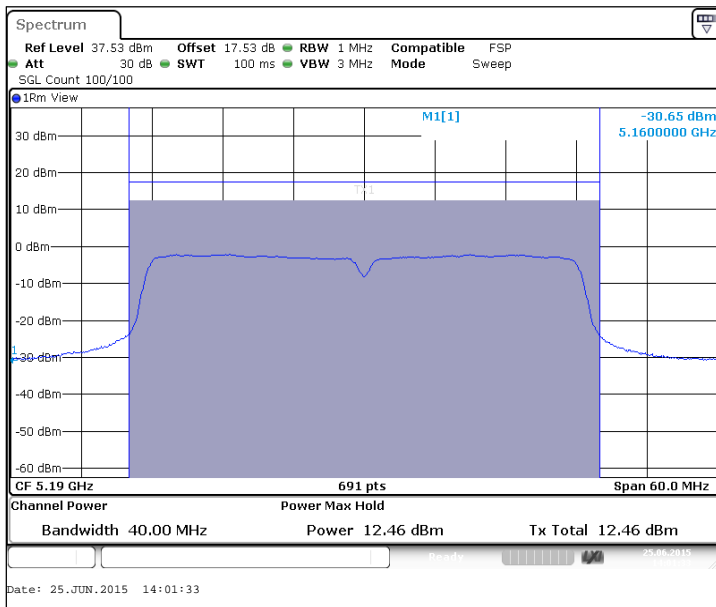
2.4.24 802.11n mode, 64QAM modulation, 121.5 / 135.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	12.54	17.947	PASSED
36+40 / 5190 AUX	12.46	17.62	PASSED

Channel 36+40 / 5190MHz



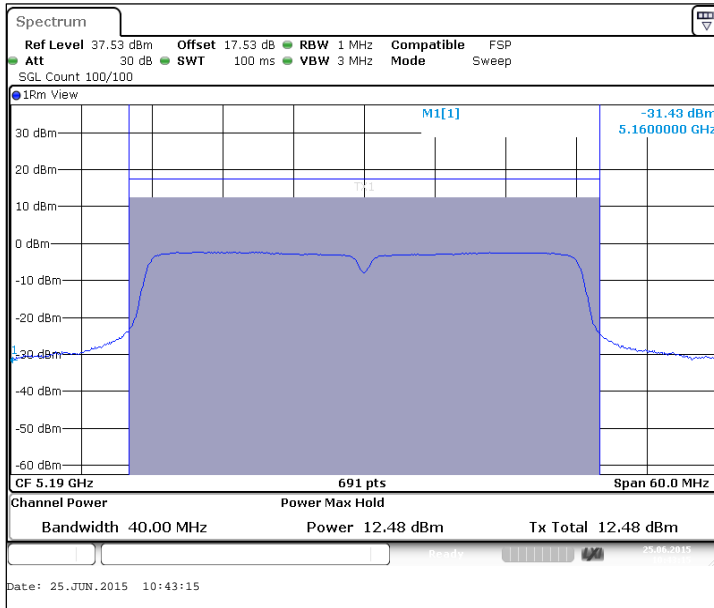
Channel 36+40 / 5190MHz



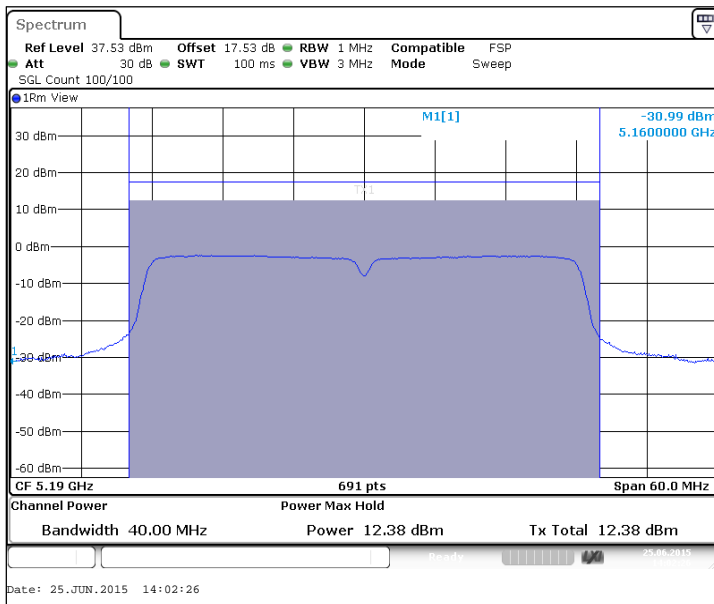
2.4.25 802.11n mode, 64QAM modulation, 135.0 / 150.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	12.48	17.701	PASSED
36+40 / 5190 AUX	12.38	17.298	PASSED

Channel 36+40 / 5190MHz



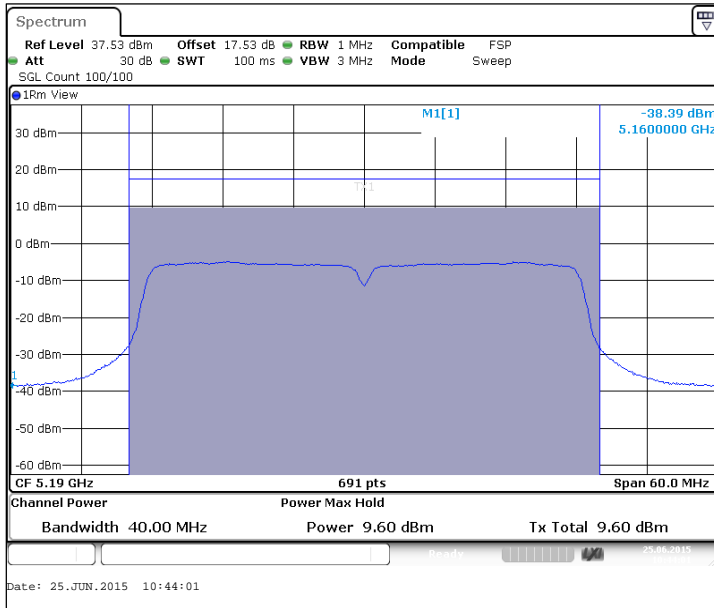
Channel 36+40 / 5190MHz



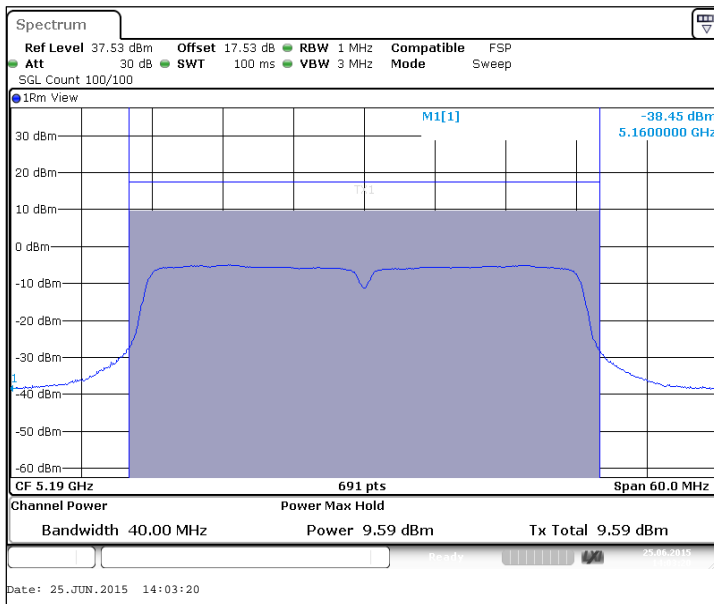
2.4.26 802.11ac mode, 256QAM modulation, 162.0 / 180.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	9.6	9.12	PASSED
36+40 / 5190 AUX	9.59	9.099	PASSED

Channel 36+40 / 5190MHz



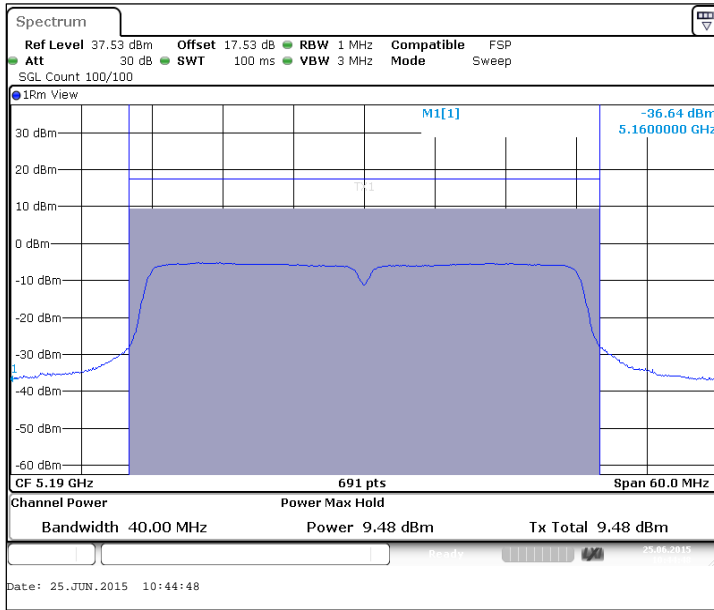
Channel 36+40 / 5190MHz



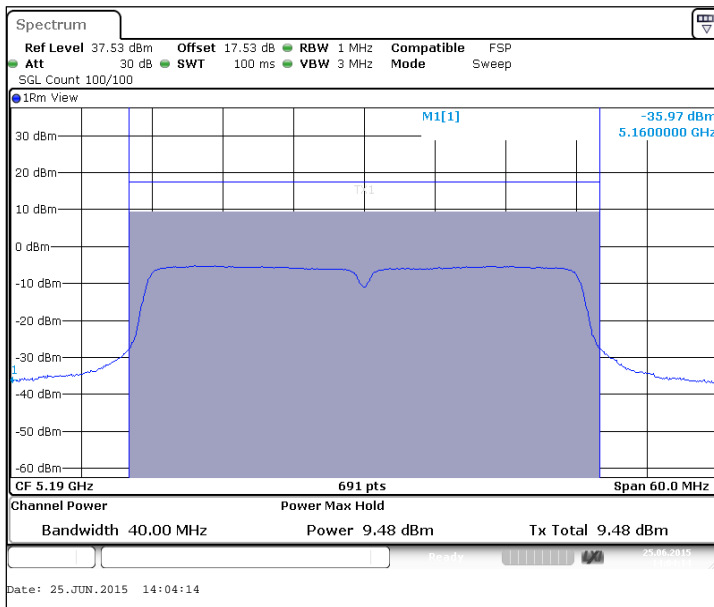
2.4.27 802.11ac mode, 256QAM modulation, 180.0 / 200.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36+40 / 5190 MAIN	9.48	8.872	PASSED
36+40 / 5190 AUX	9.48	8.872	PASSED

Channel 36+40 / 5190MHz



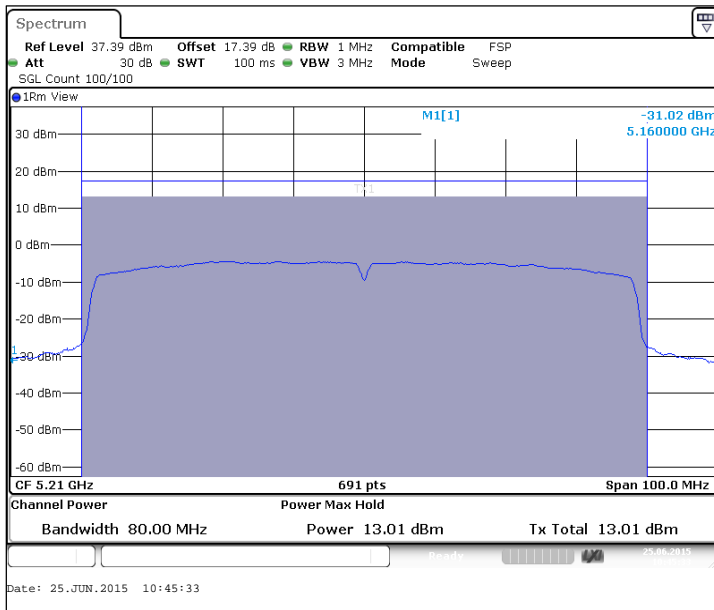
Channel 36+40 / 5190MHz



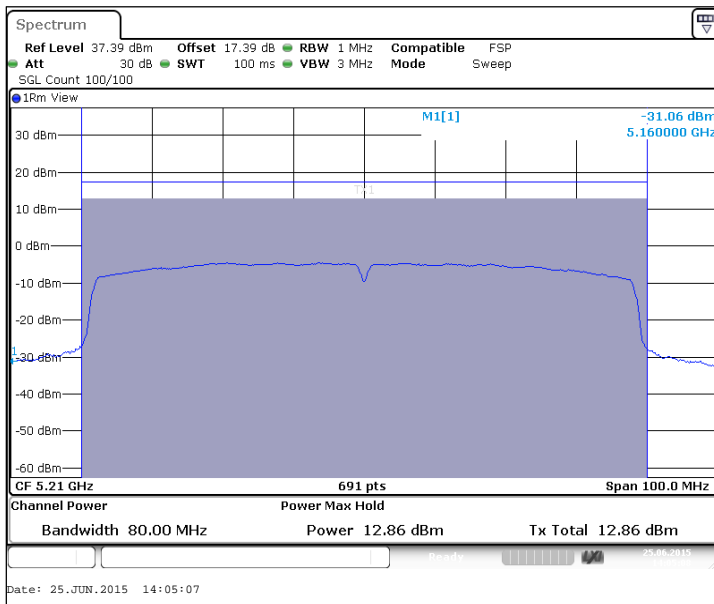
2.4.28 802.11ac mode, BPSK modulation, 29.3 / 32.5 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	13.01	19.999	PASSED
36-48 / 5210 AUX	12.86	19.32	PASSED

Channel 36-48 / 5210MHz



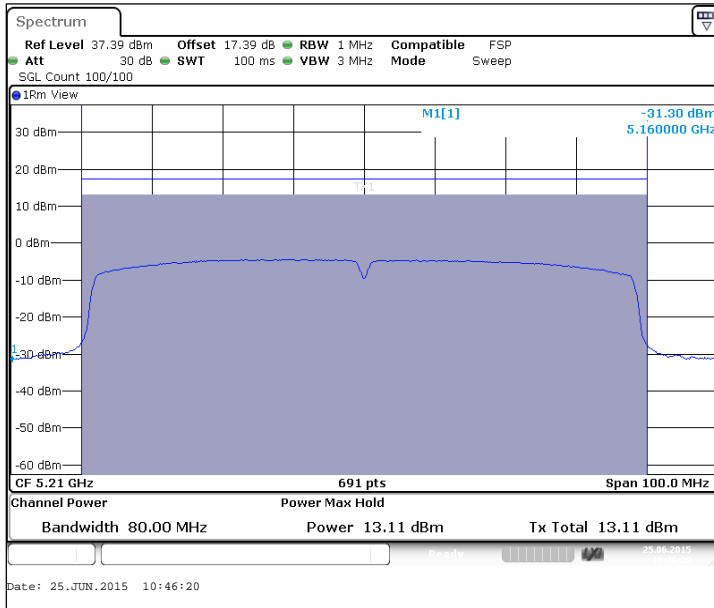
Channel 36-48 / 5210MHz



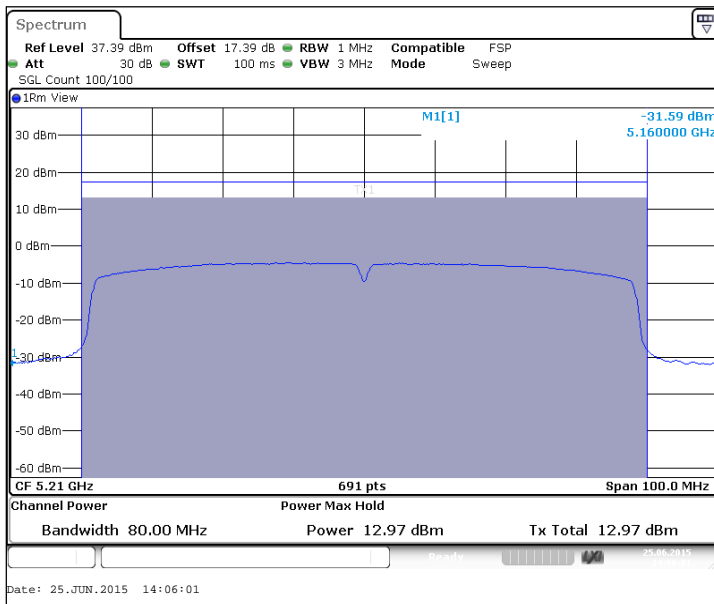
2.4.29 802.11ac mode, QPSK modulation, 58.5 / 65.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	13.11	20.464	PASSED
36-48 / 5210 AUX	12.97	19.815	PASSED

Channel 36-48 / 5210MHz



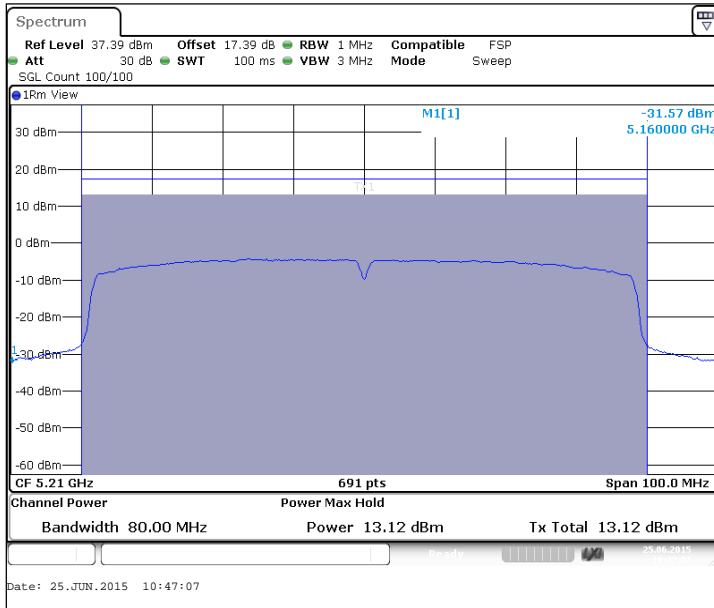
Channel 36-48 / 5210MHz



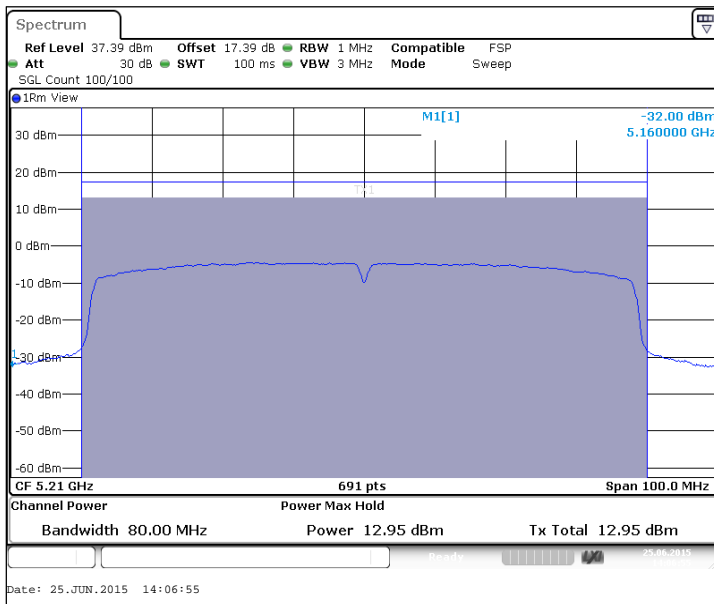
2.4.30 802.11ac mode, QPSK modulation, 87.8 / 97.5 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	13.12	20.512	PASSED
36-48 / 5210 AUX	12.95	19.724	PASSED

Channel 36-48 / 5210MHz



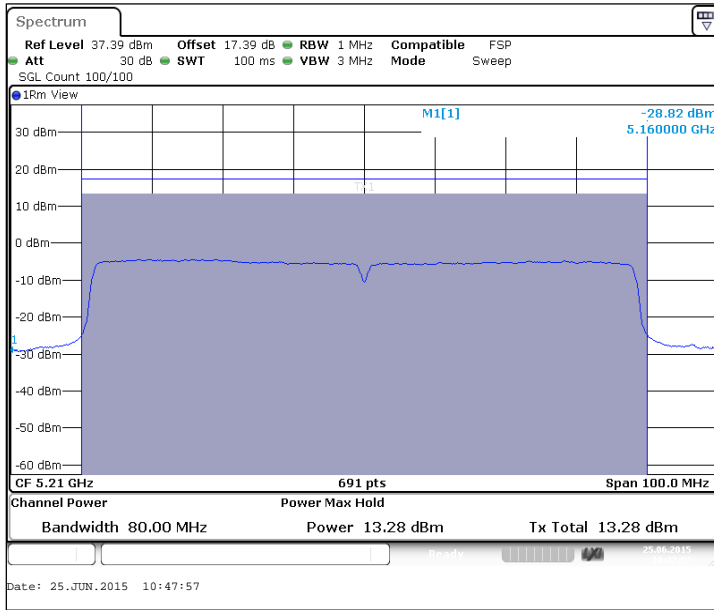
Channel 36-48 / 5210MHz



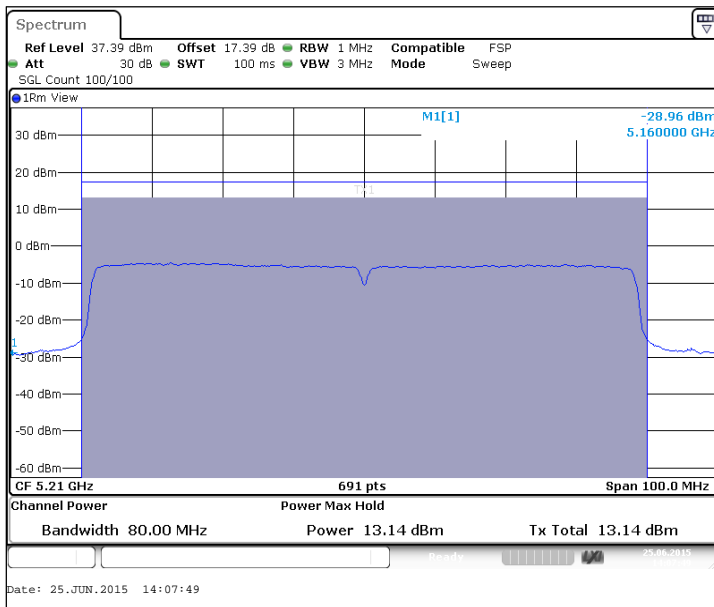
2.4.31 802.11ac mode, 16QAM modulation, 117.0 / 130.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	13.28	21.281	PASSED
36-48 / 5210 AUX	13.14	20.606	PASSED

Channel 36-48 / 5210MHz



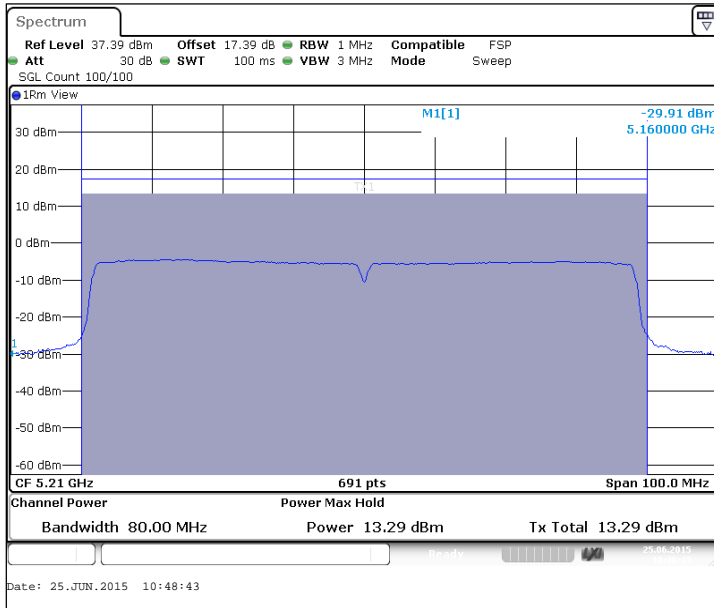
Channel 36-48 / 5210MHz



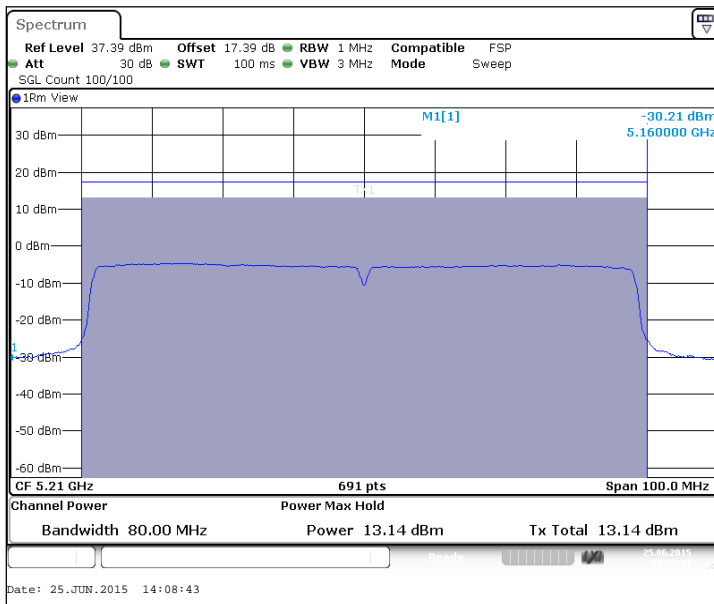
2.4.32 802.11ac mode, 16QAM modulation, 175.5 / 195.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	13.29	21.33	PASSED
36-48 / 5210 AUX	13.14	20.606	PASSED

Channel 36-48 / 5210MHz



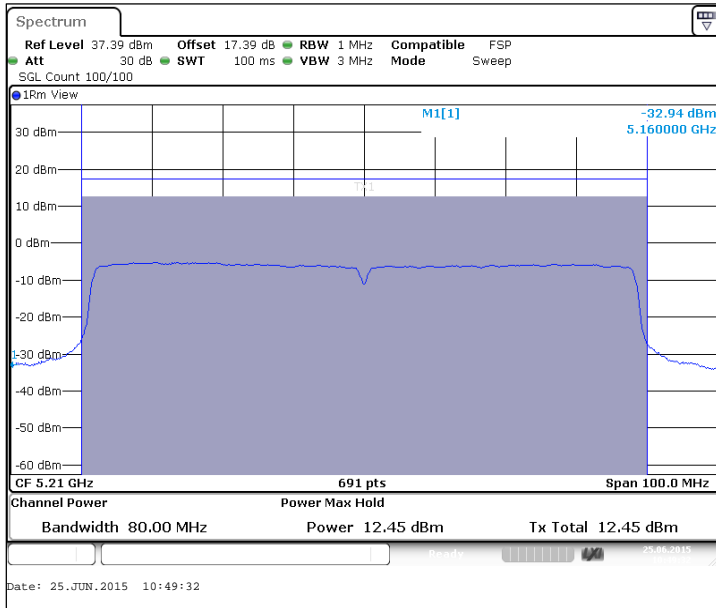
Channel 36-48 / 5210MHz



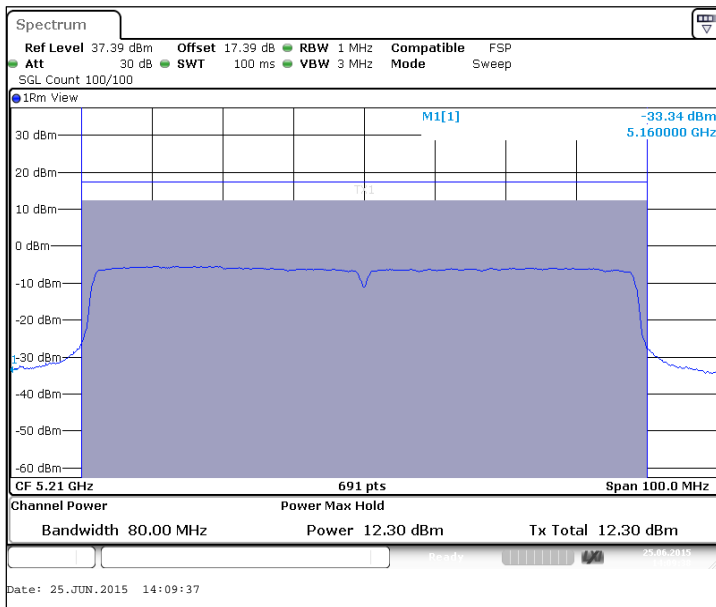
2.4.33 802.11ac mode, 64QAM modulation, 234.0 / 260.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	12.45	17.579	PASSED
36-48 / 5210 AUX	12.3	16.982	PASSED

Channel 36-48 / 5210MHz



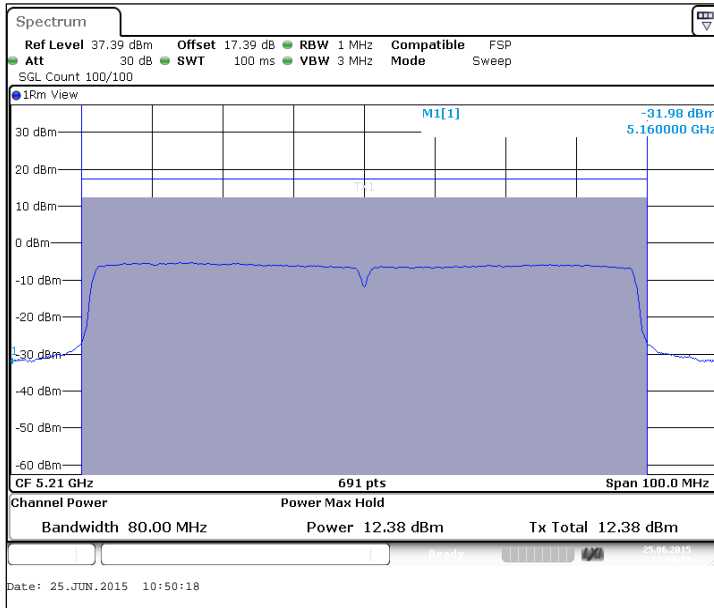
Channel 36-48 / 5210MHz



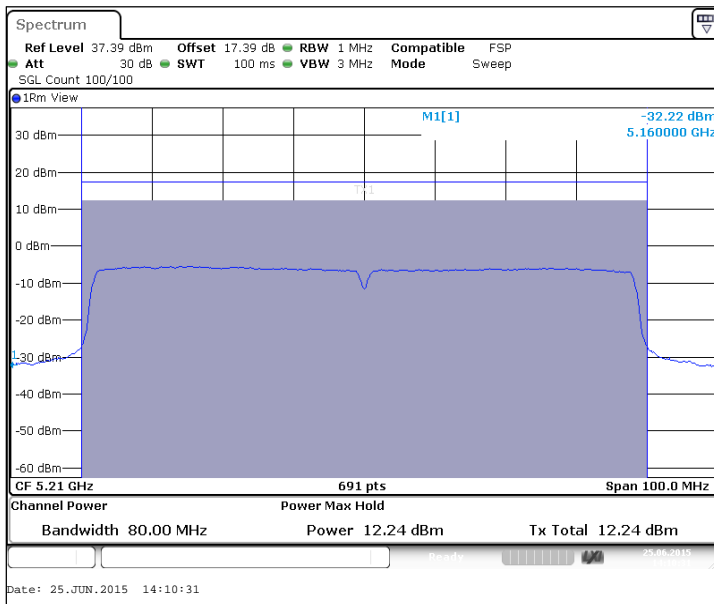
2.4.34 802.11ac mode, 64QAM modulation, 263.3 / 292.5 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	12.38	17.298	PASSED
36-48 / 5210 AUX	12.24	16.749	PASSED

Channel 36-48 / 5210MHz



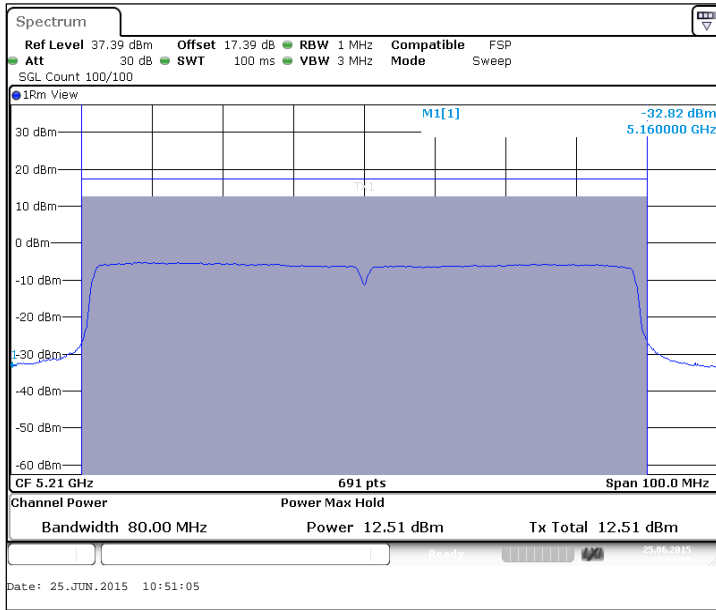
Channel 36-48 / 5210MHz



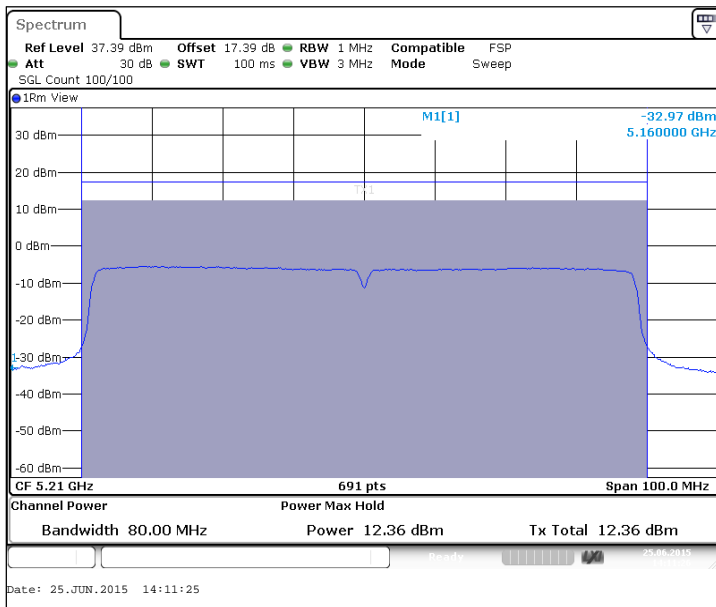
2.4.35 802.11ac mode, 64QAM modulation, 292.5 / 325.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	12.51	17.824	PASSED
36-48 / 5210 AUX	12.36	17.219	PASSED

Channel 36-48 / 5210MHz



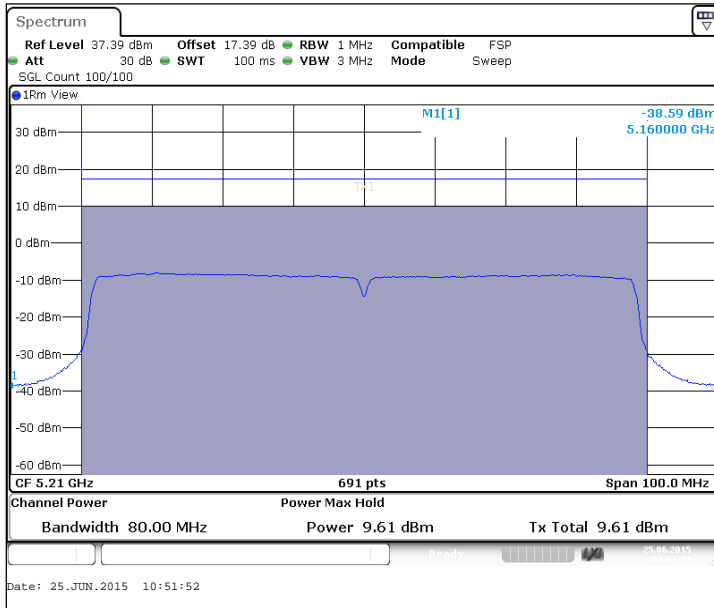
Channel 36-48 / 5210MHz



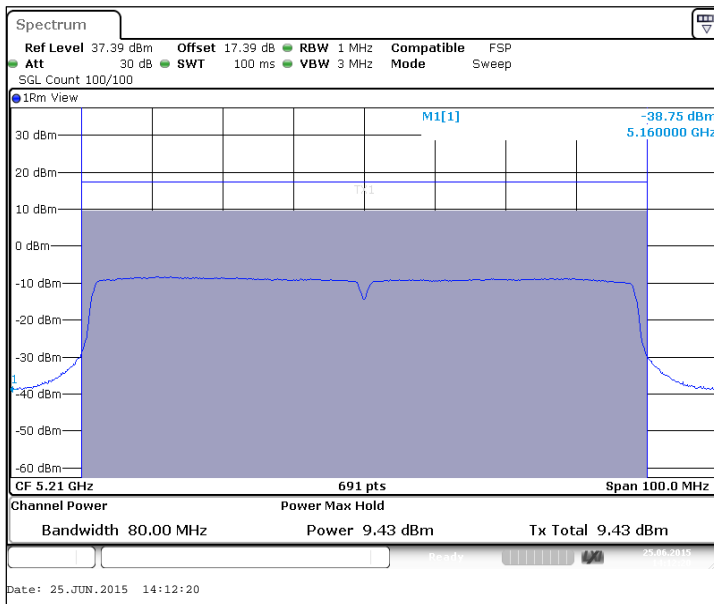
2.4.36 802.11ac mode, 256QAM modulation, 351.0 / 390.0 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	9.61	9.141	PASSED
36-48 / 5210 AUX	9.43	8.77	PASSED

Channel 36-48 / 5210MHz



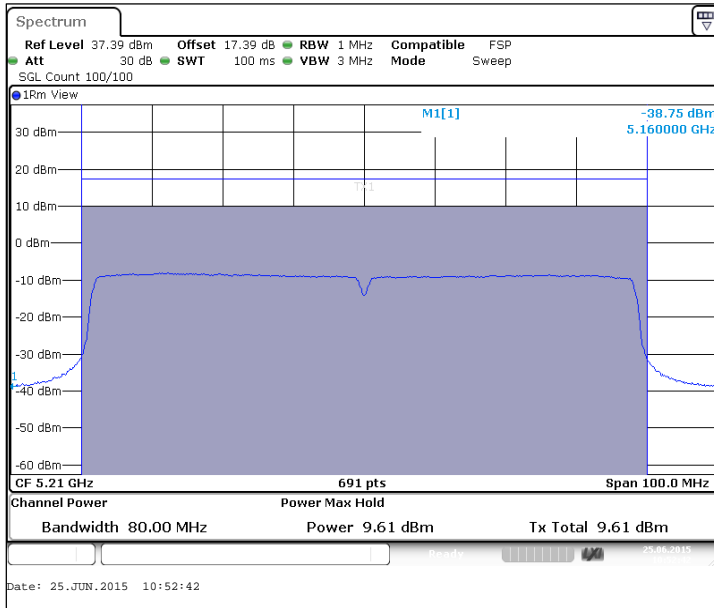
Channel 36-48 / 5210MHz



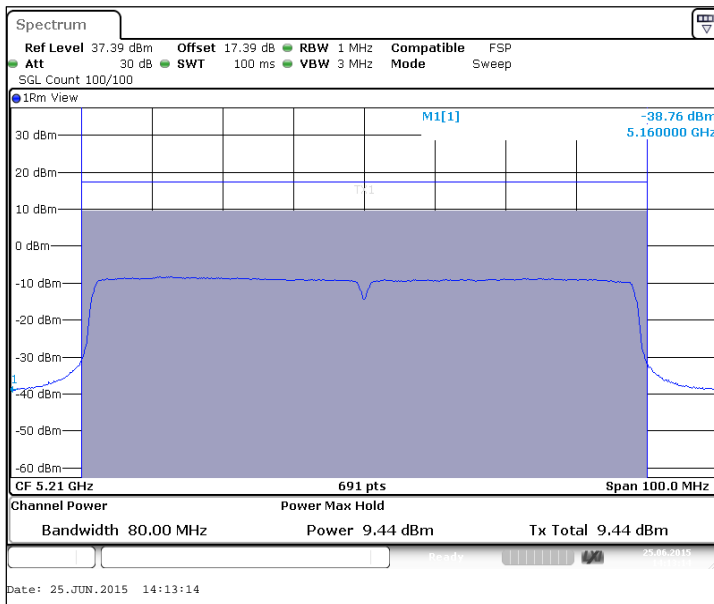
2.4.37 802.11ac mode, 256QAM modulation, 390.0 / 433.3 Mbps data rate

Channel / fc [MHz]	P [dBm]	P [mW]	Result
36-48 / 5210 MAIN	9.61	9.141	PASSED
36-48 / 5210 AUX	9.44	8.79	PASSED

Channel 36-48 / 5210MHz



Channel 36-48 / 5210MHz



3. Test Equipment

3.1. 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

3.2. 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
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

Eq. No	Equipment	Type	Manufacturer	Used in
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