

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

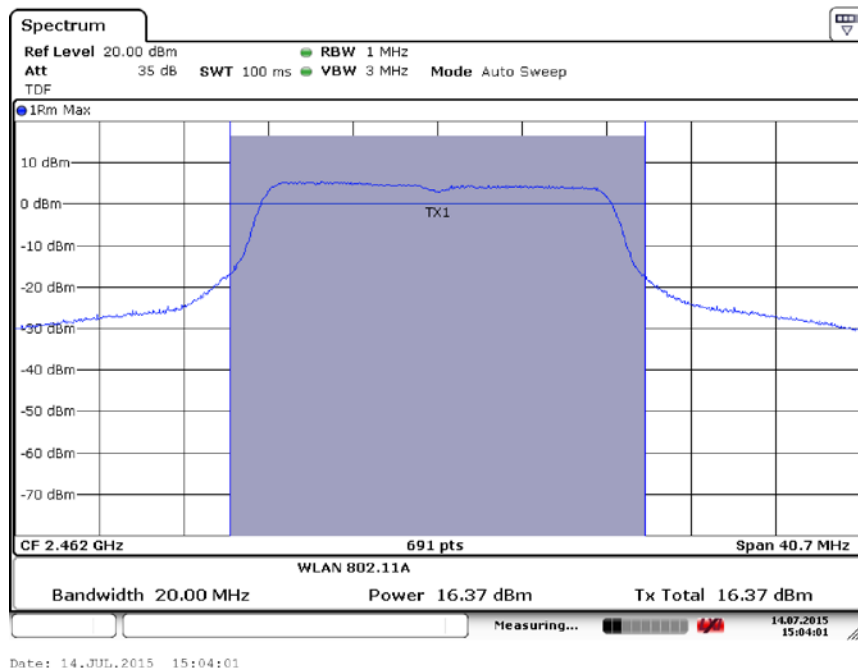


Fig.36 Maximum Average Output Power (802.11g, Ch 11,54Mbps)

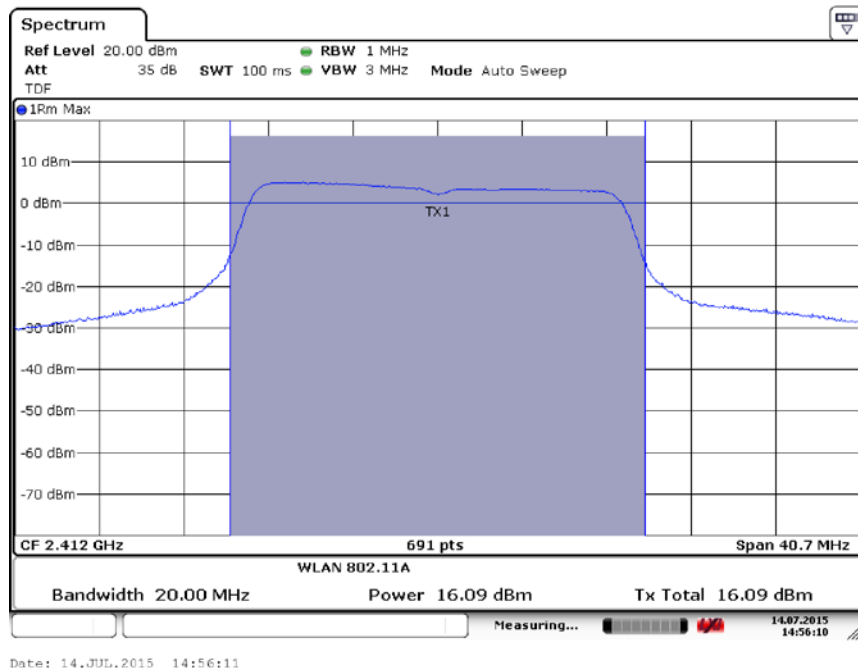


Fig.37 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS0)

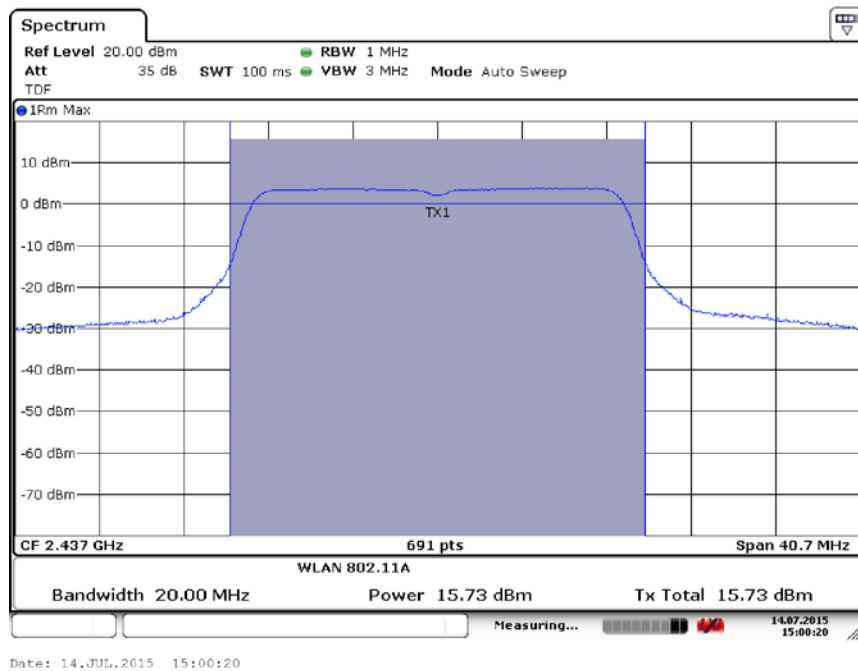


Fig.38 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS0)

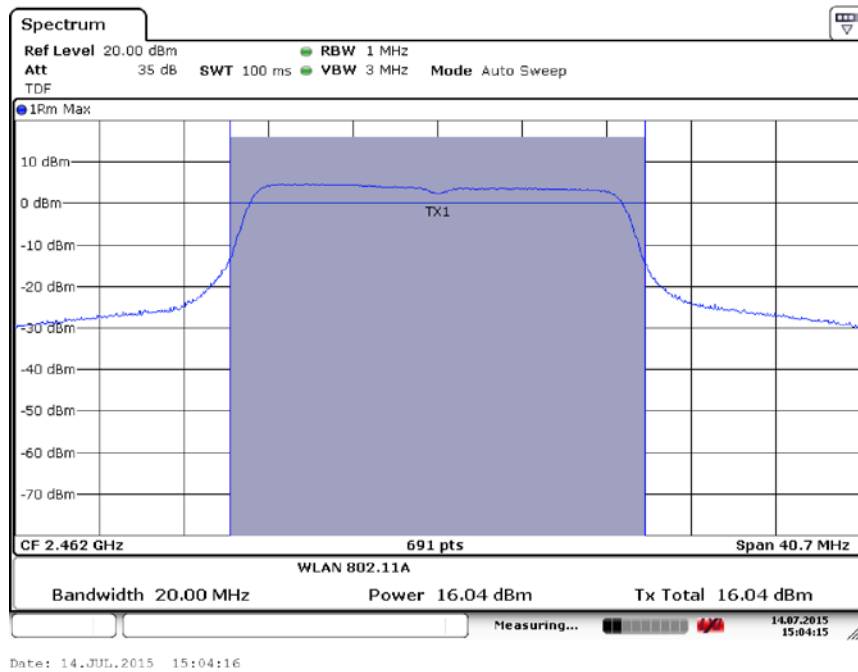


Fig.39 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS0)

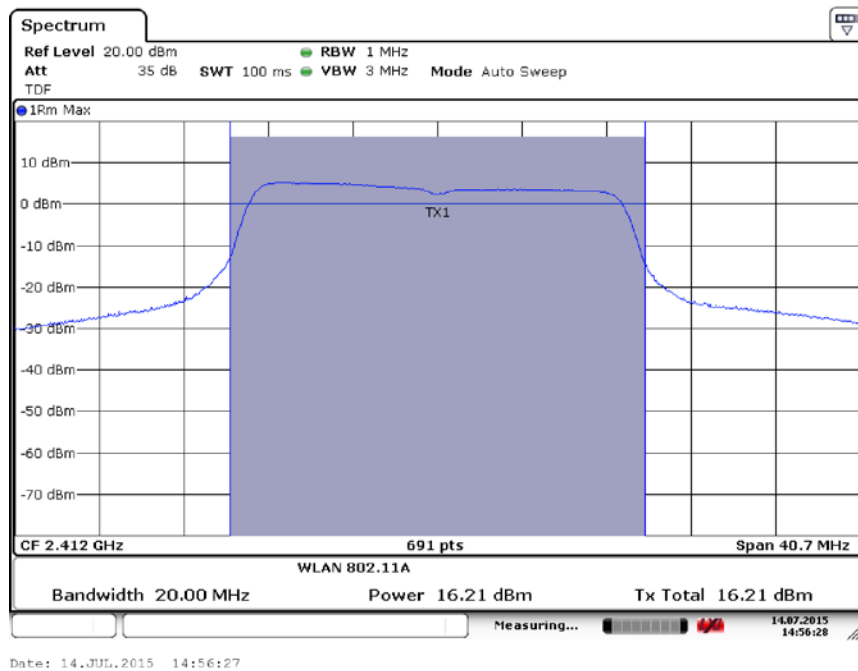


Fig.40 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS1)

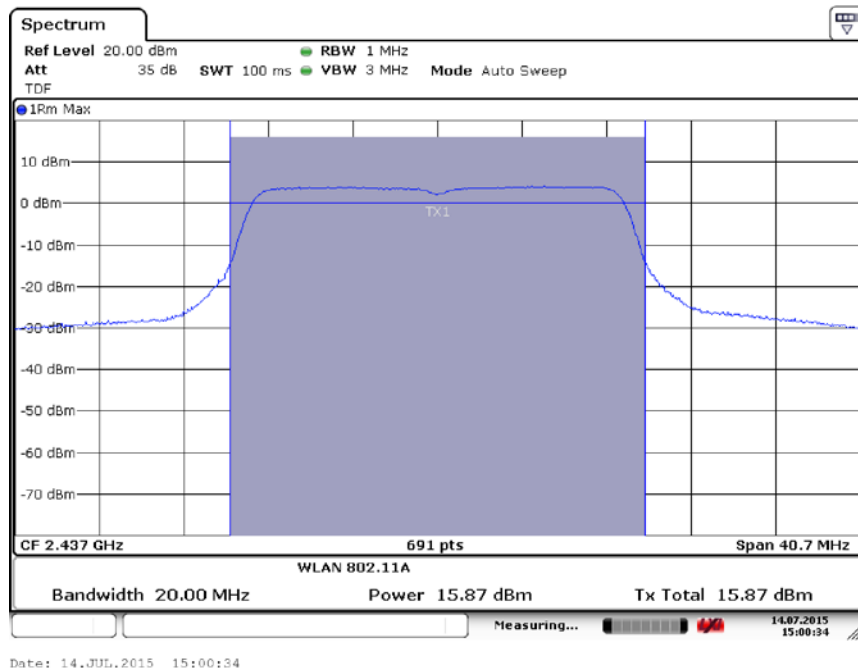


Fig.41 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS1)

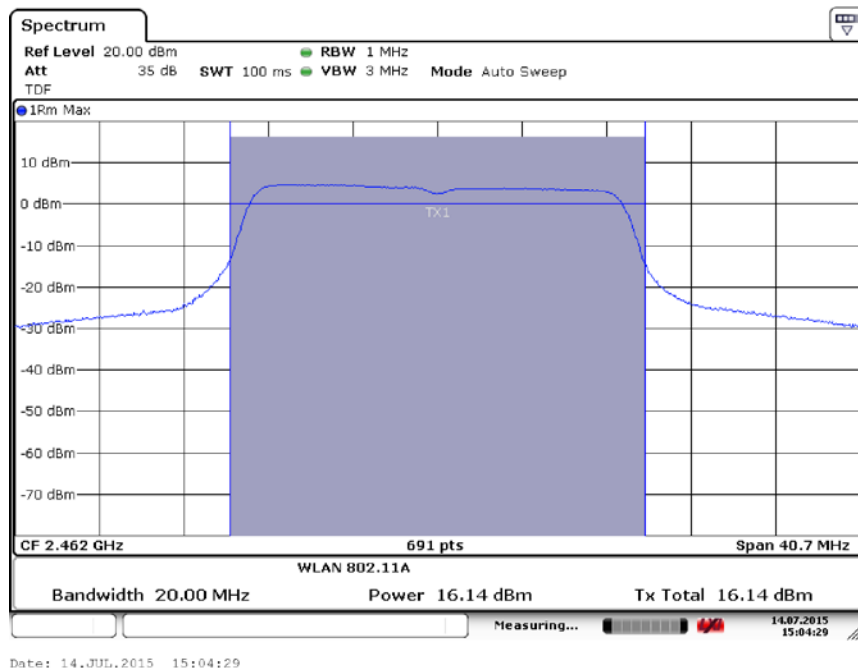


Fig.42 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS1)

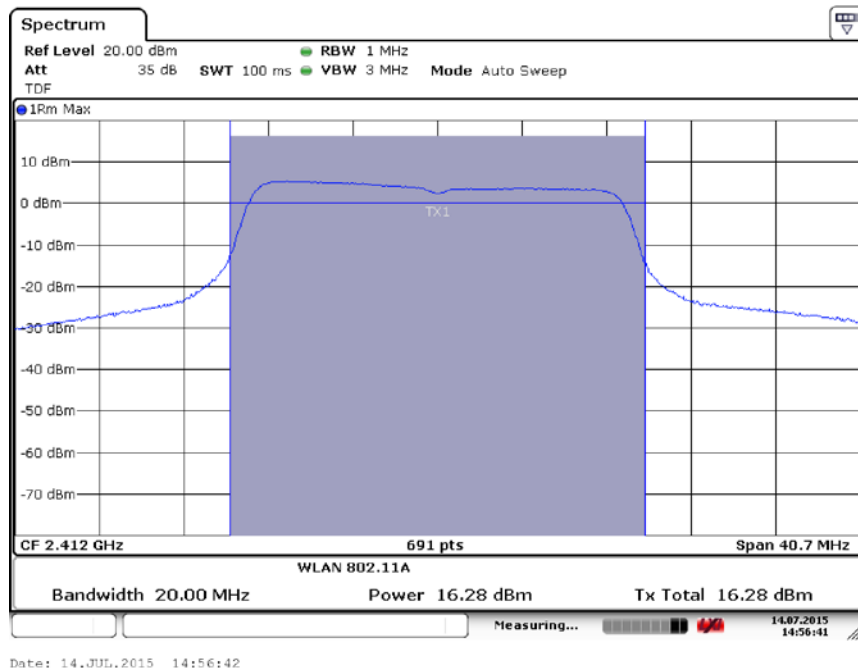


Fig.43 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS2)

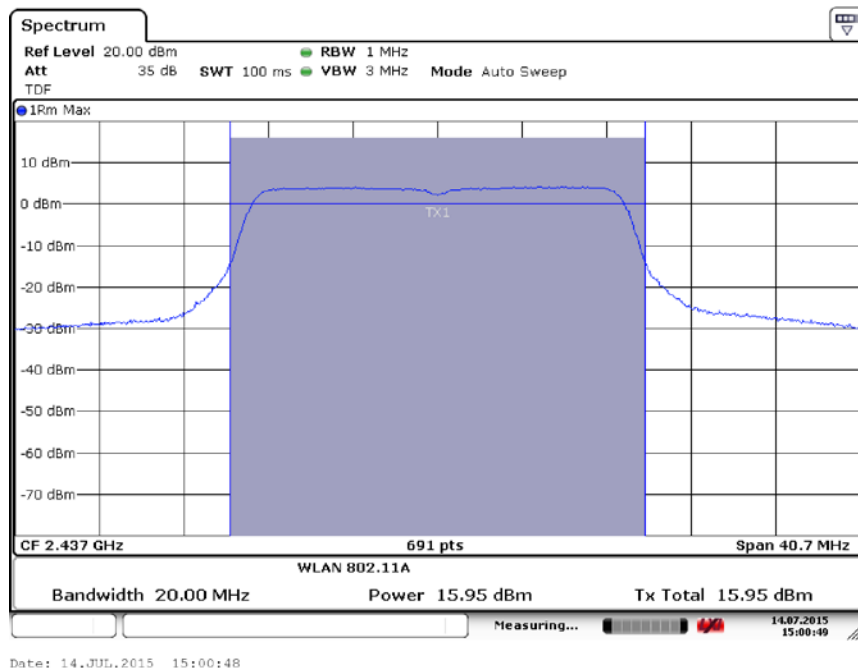


Fig.44 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS2))

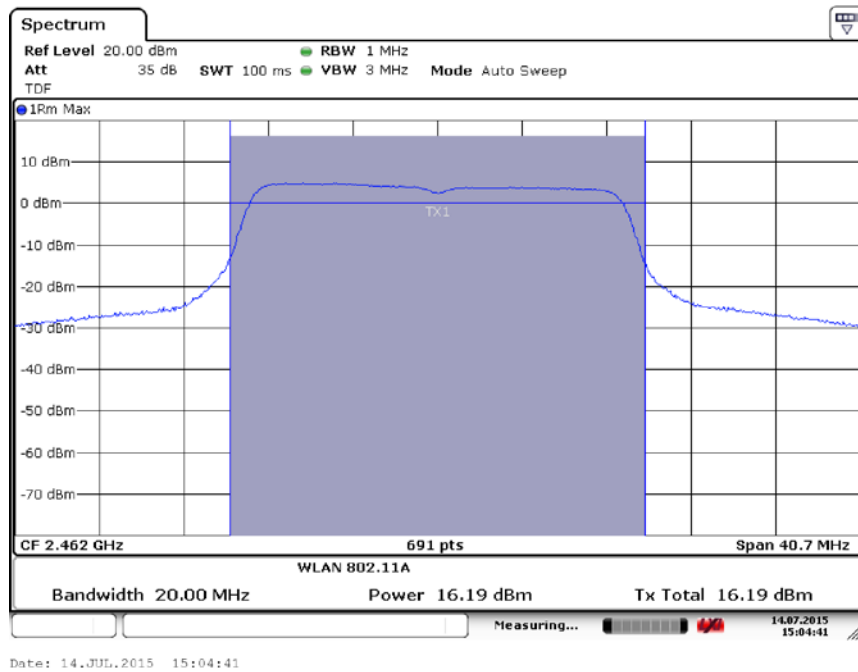


Fig.45 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS2)

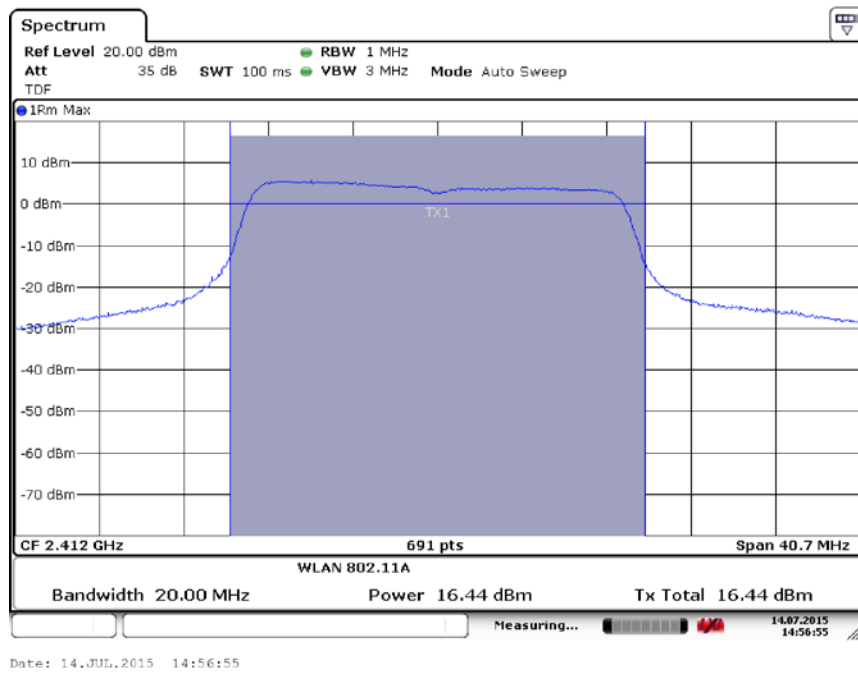


Fig.46 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS3)

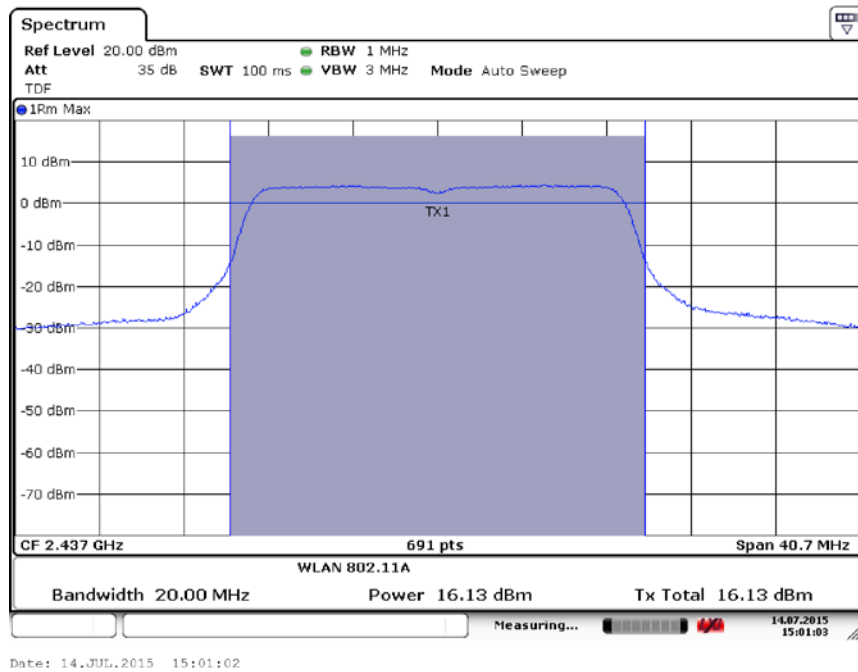


Fig.47 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS3)

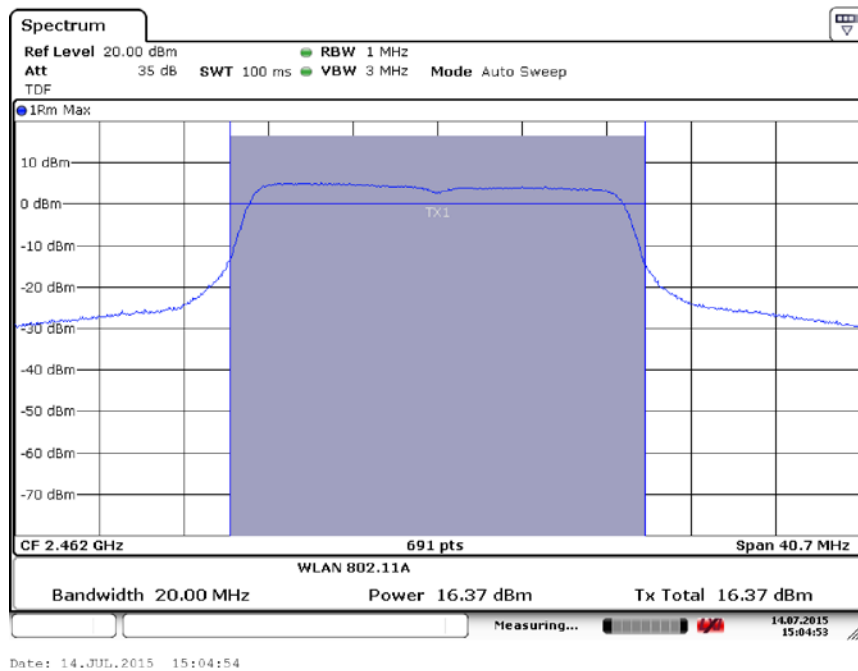


Fig.48 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS3)

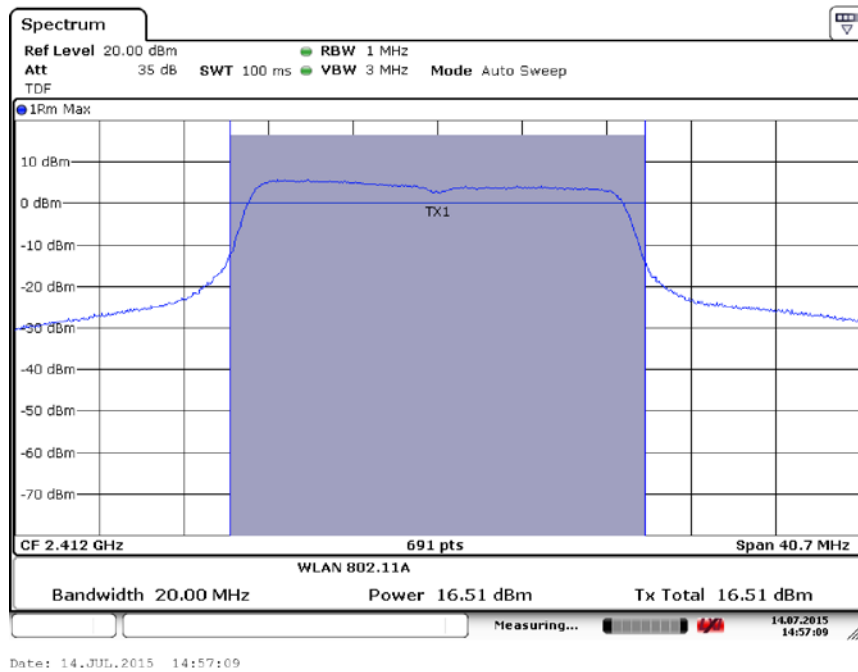


Fig.49 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS4)

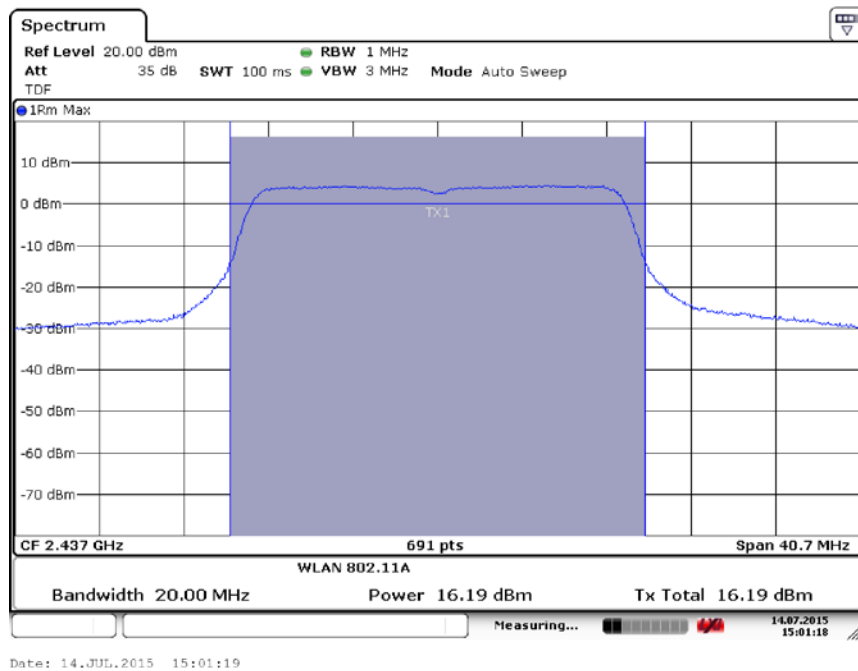


Fig.50 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS4)

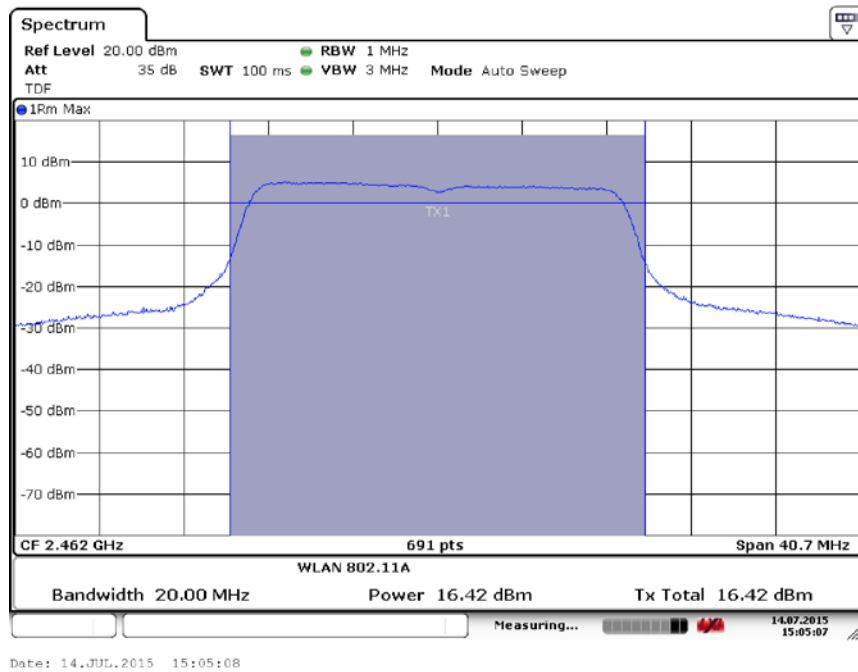


Fig.51 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS4)

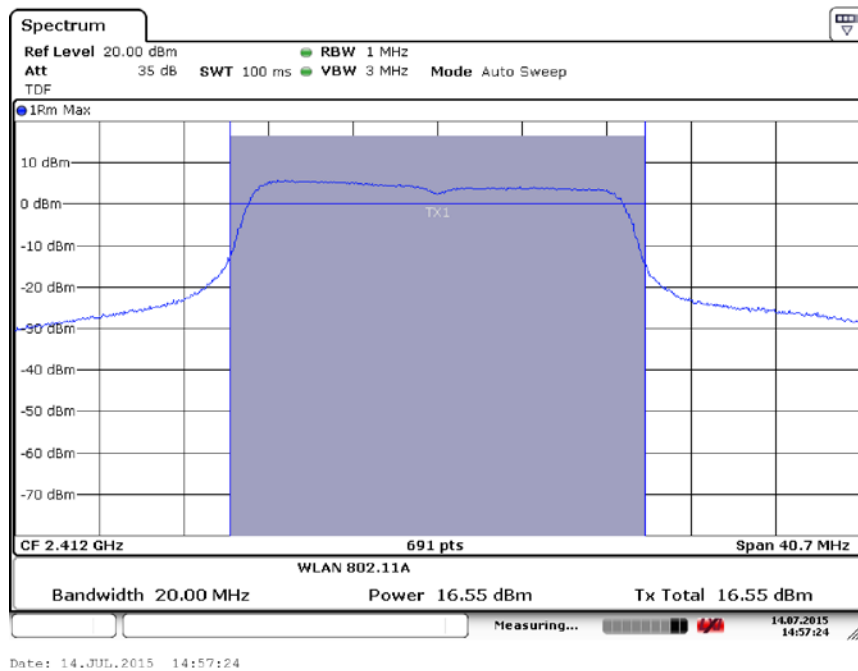


Fig.52 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS5)

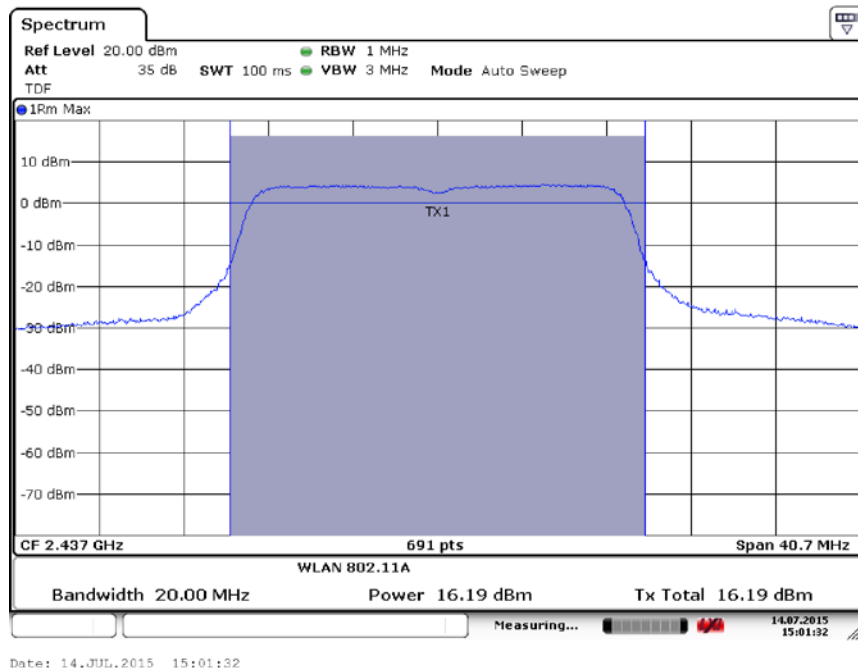


Fig.53 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS5)

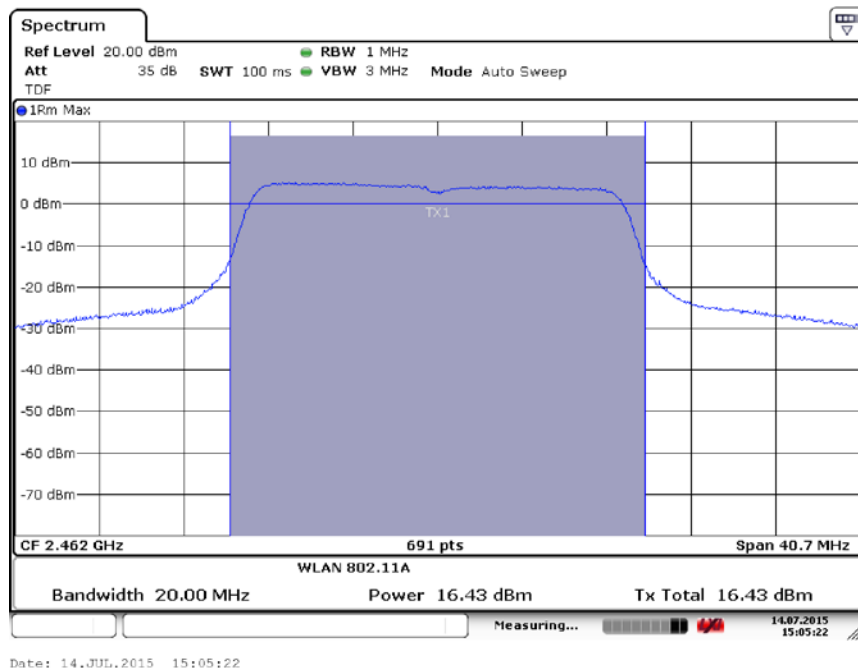


Fig.54 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS5)

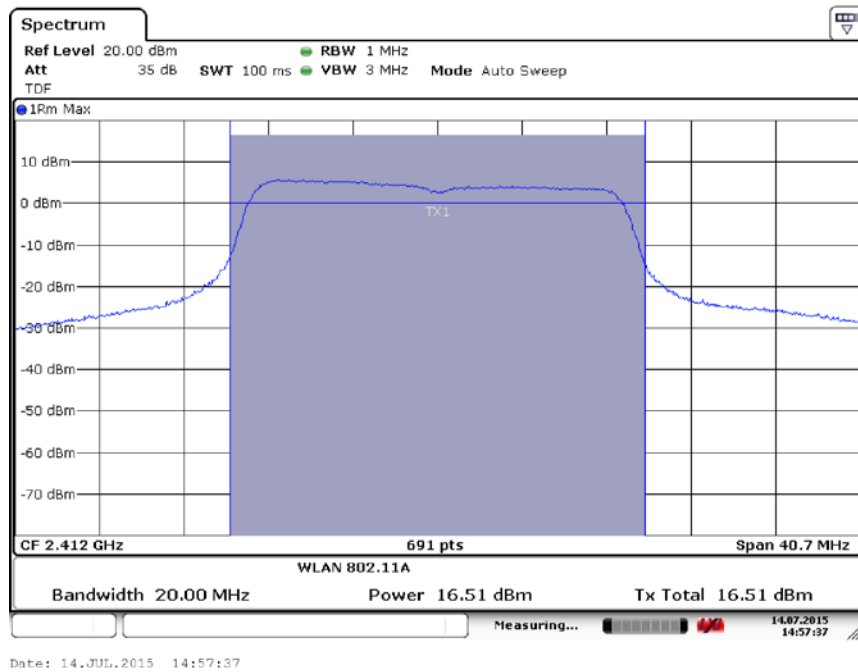


Fig.55 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS6)

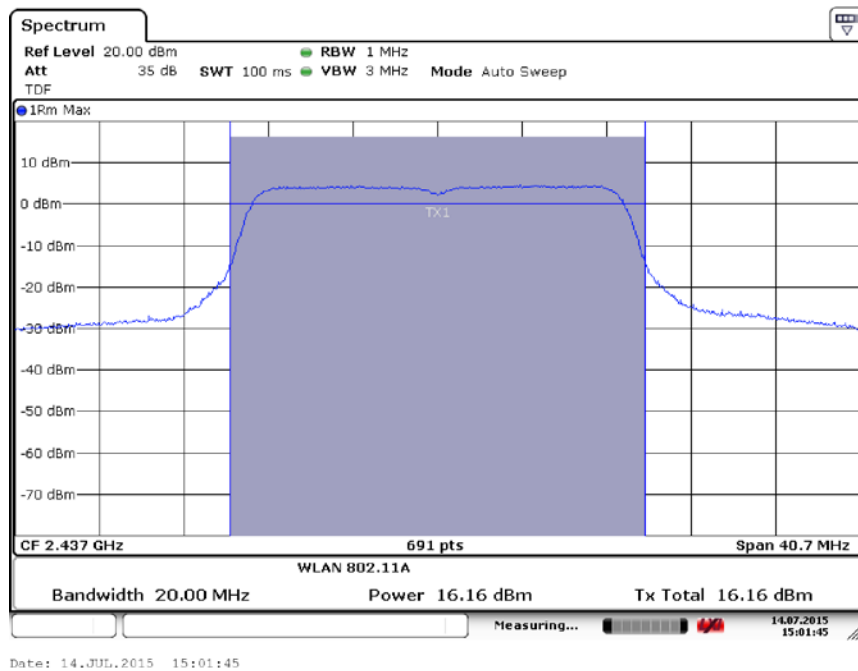


Fig.56 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS6)

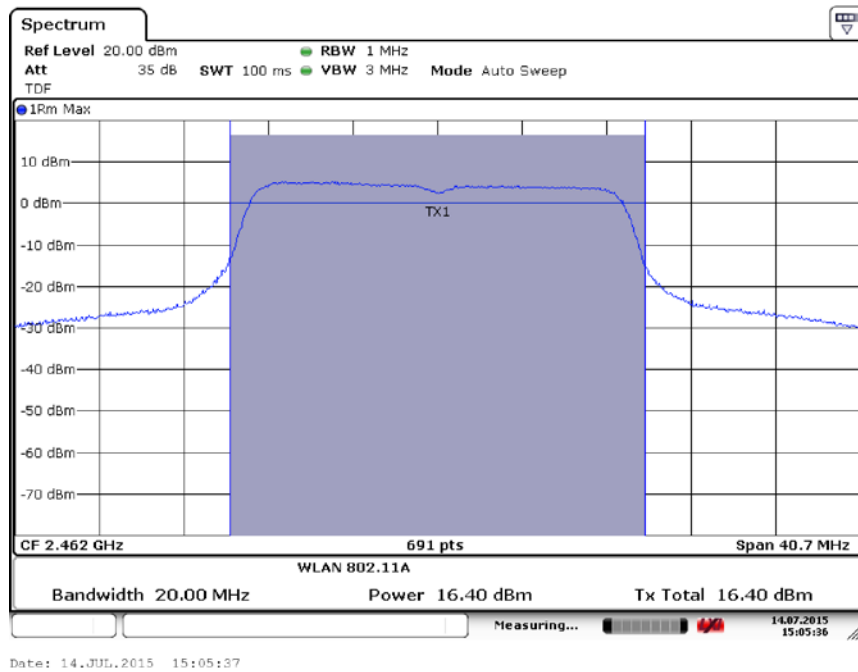


Fig.57 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS6)

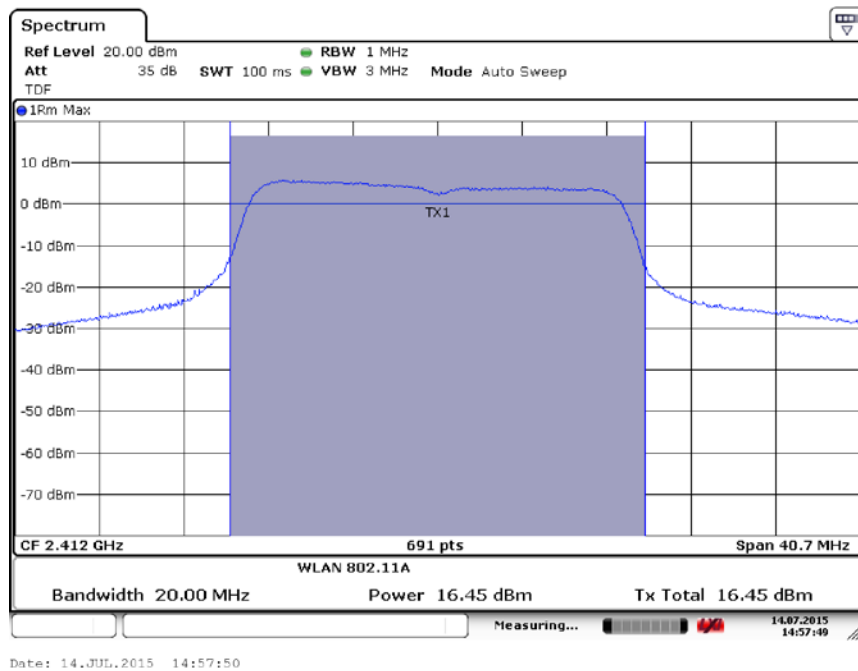


Fig.58 Maximum Average Output Power (802.11n-20MHz, Ch 1,MCS7)

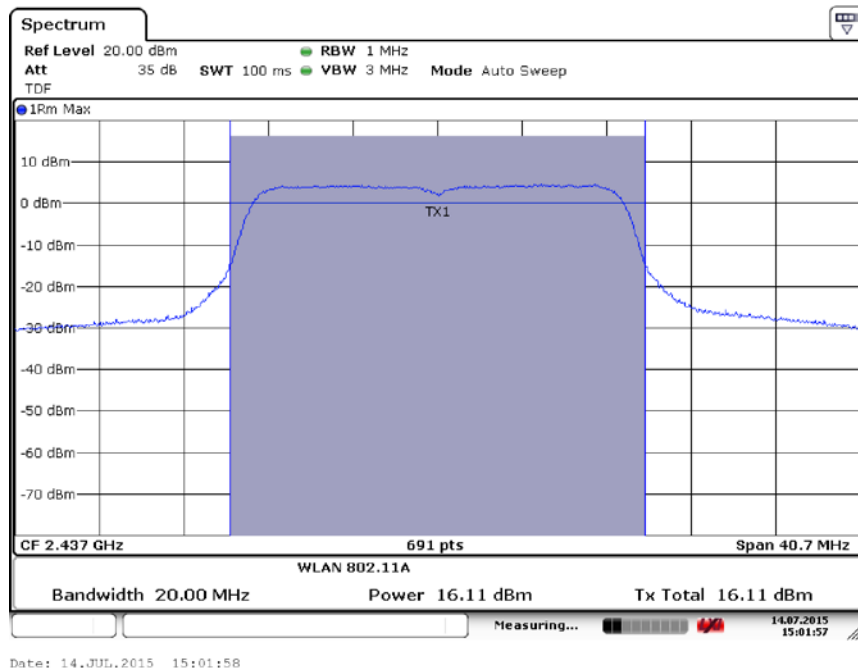


Fig.59 Maximum Average Output Power (802.11n-20MHz, Ch 6,MCS7)

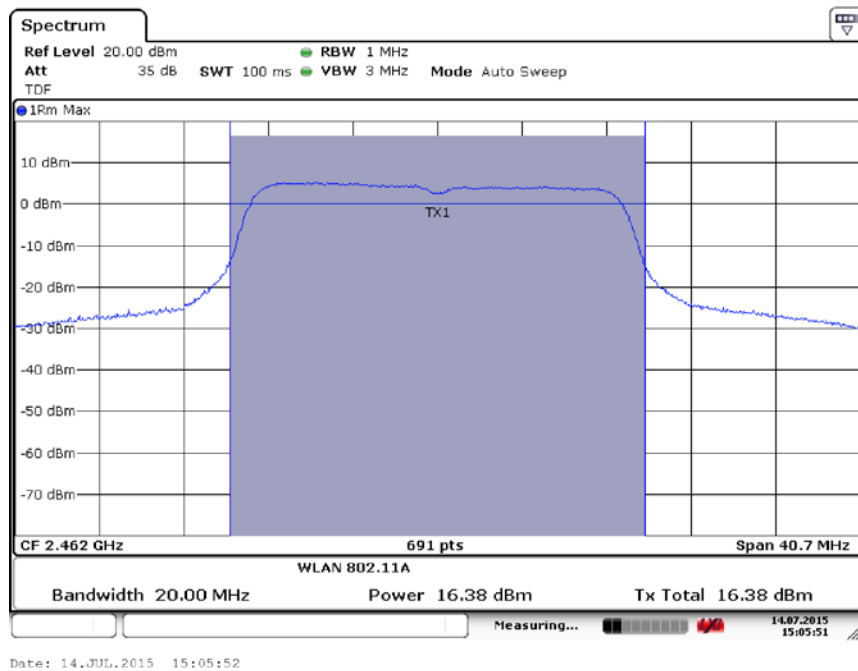


Fig.60 Maximum Average Output Power (802.11n-20MHz, Ch 11,MCS7)

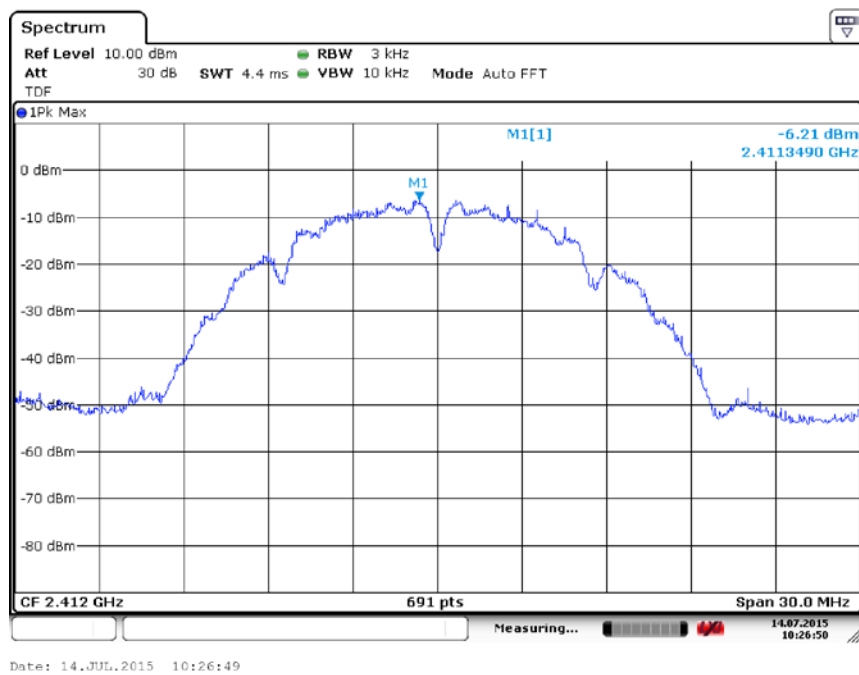


Fig.61 Power Spectral Density (802.11b, Ch 1)

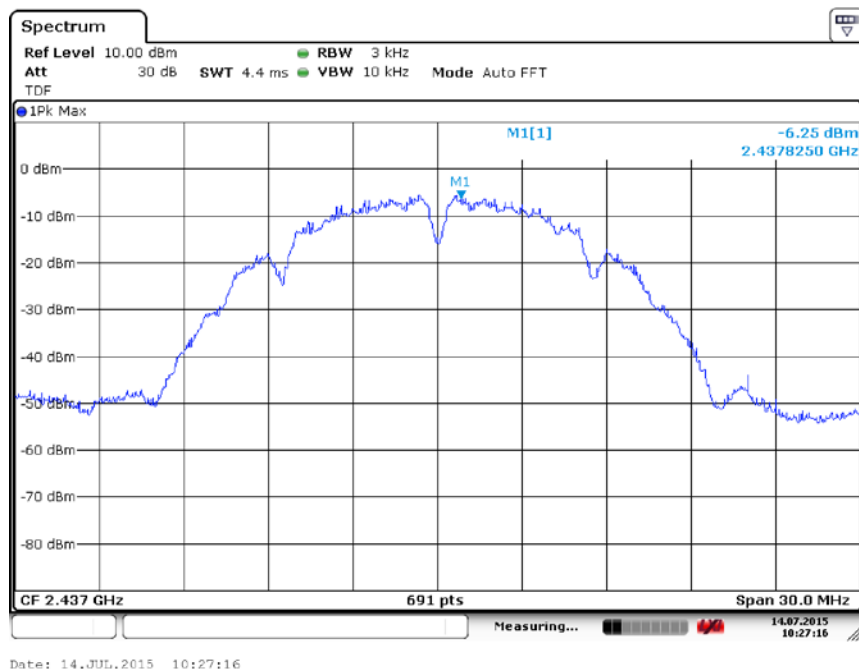


Fig.62 Power Spectral Density (802.11b, Ch 6)

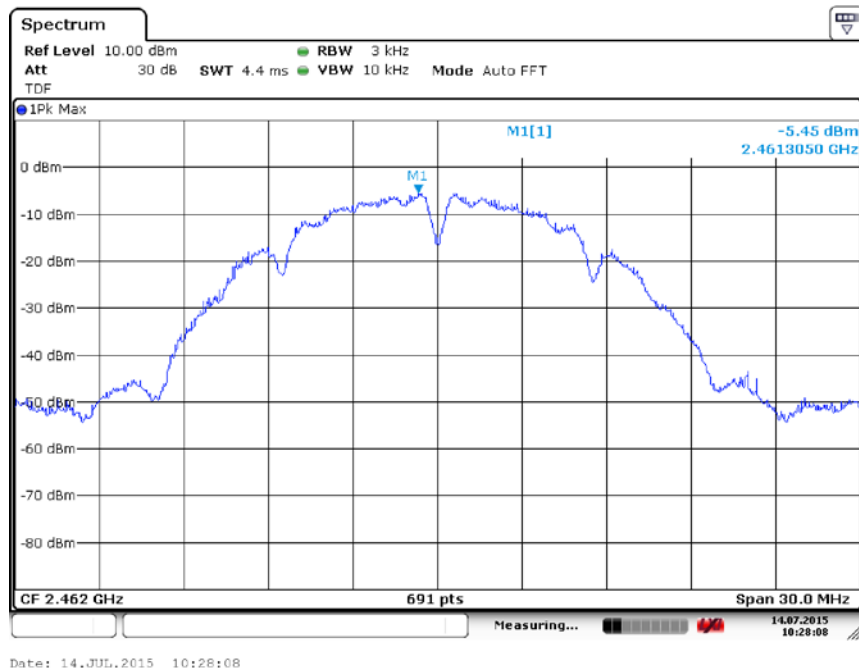


Fig.63 Power Spectral Density (802.11b, Ch 11)

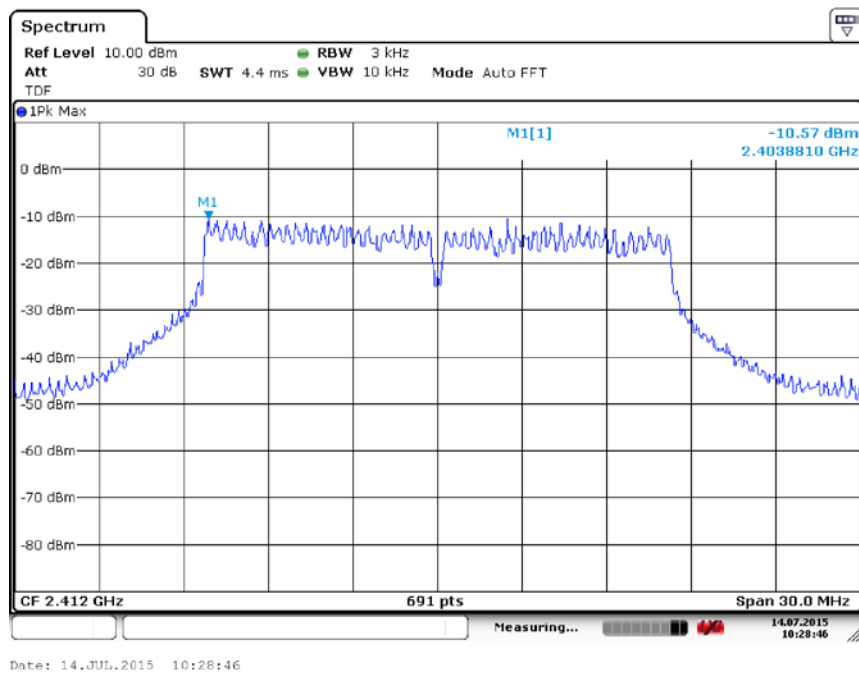


Fig.64 Power Spectral Density (802.11g, Ch 1)

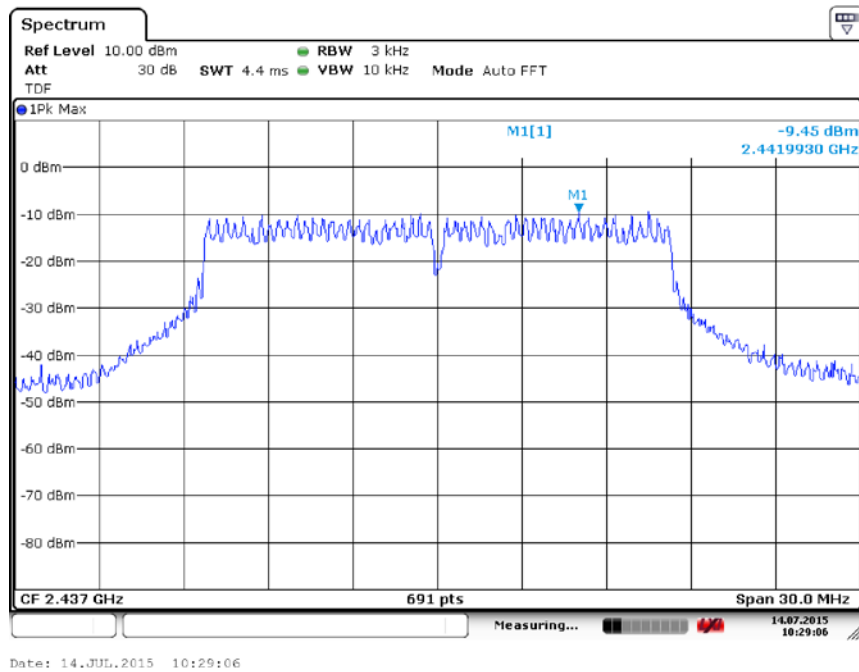


Fig.65 Power Spectral Density (802.11g, Ch 6)

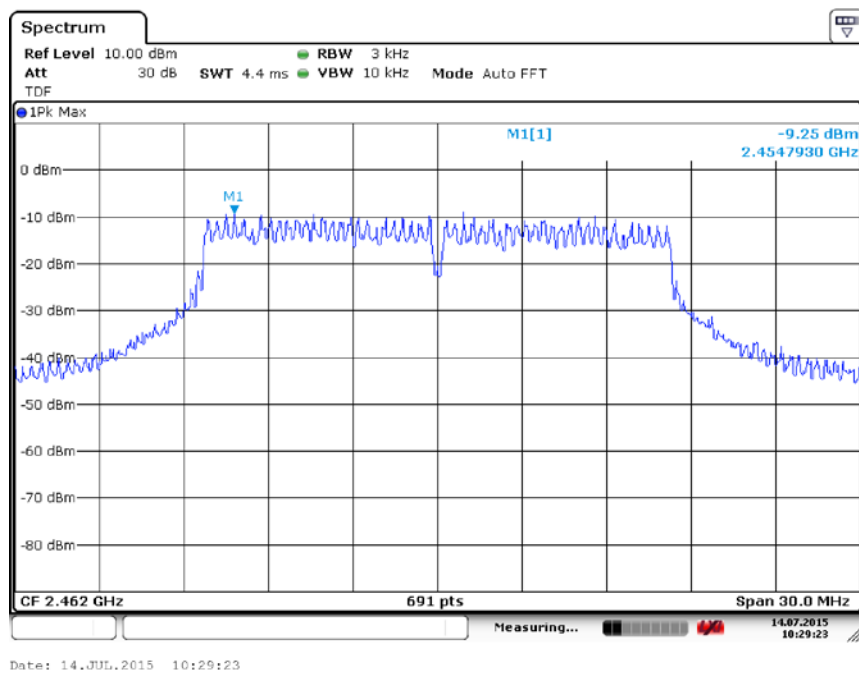


Fig.66 Power Spectral Density (802.11g, Ch 11)

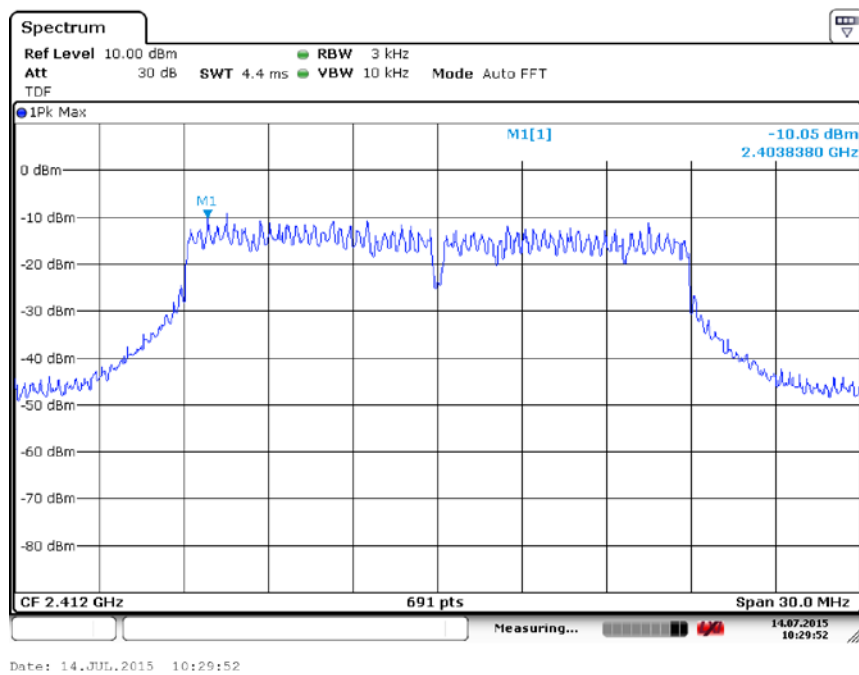


Fig.67 Power Spectral Density (802.11n-20MHz, Ch 1)

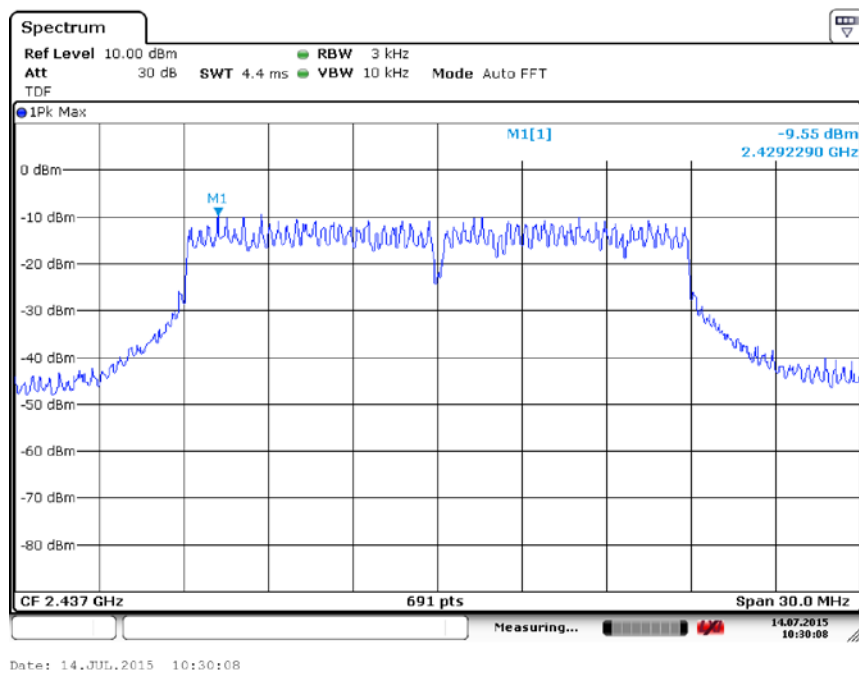


Fig.68 Power Spectral Density (802.11n-20MHz, Ch 6)

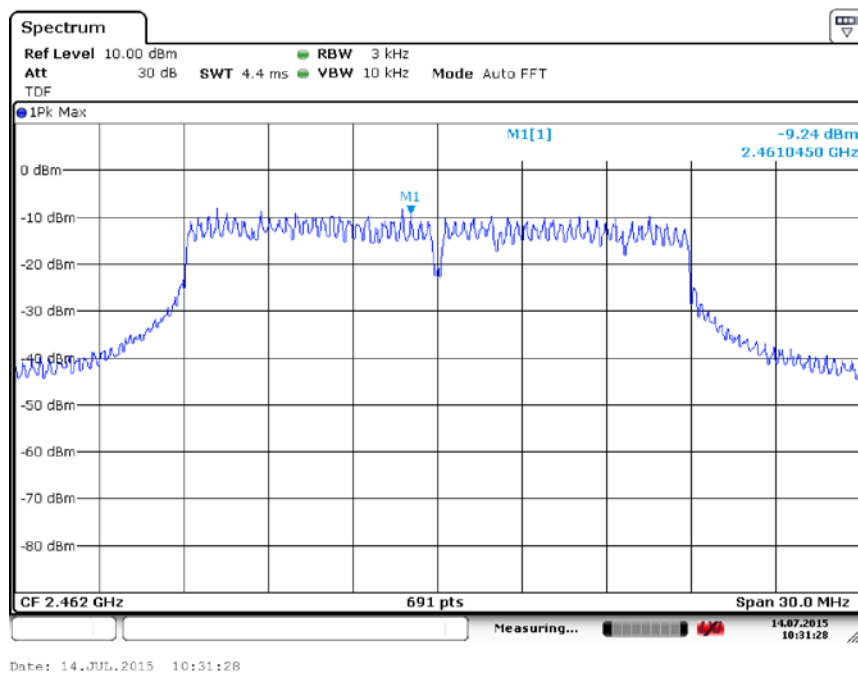


Fig.69 Power Spectral Density (802.11n-20MHz, Ch 11)

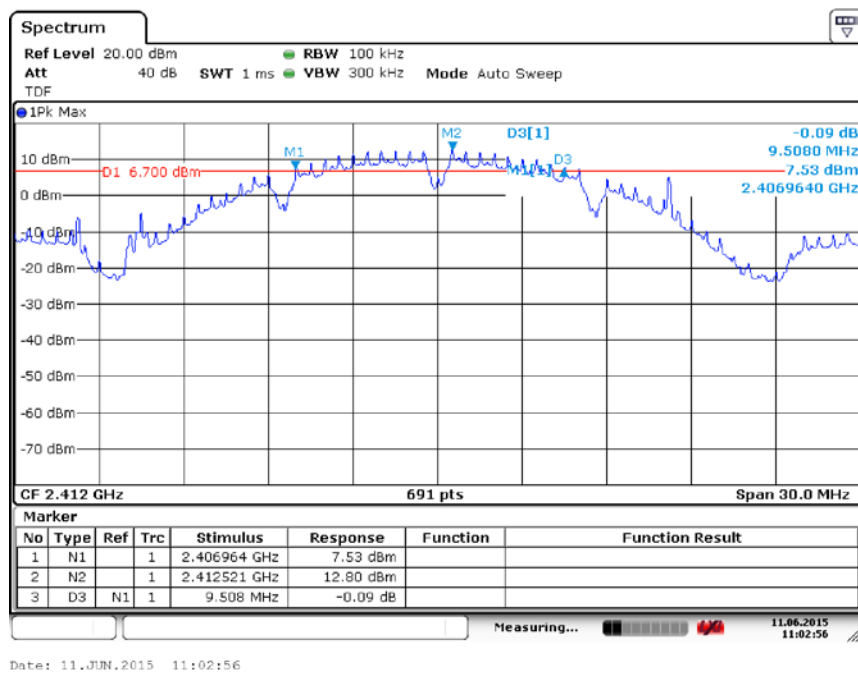


Fig.70 Occupied 6dB Bandwidth (802.11b, Ch 1)

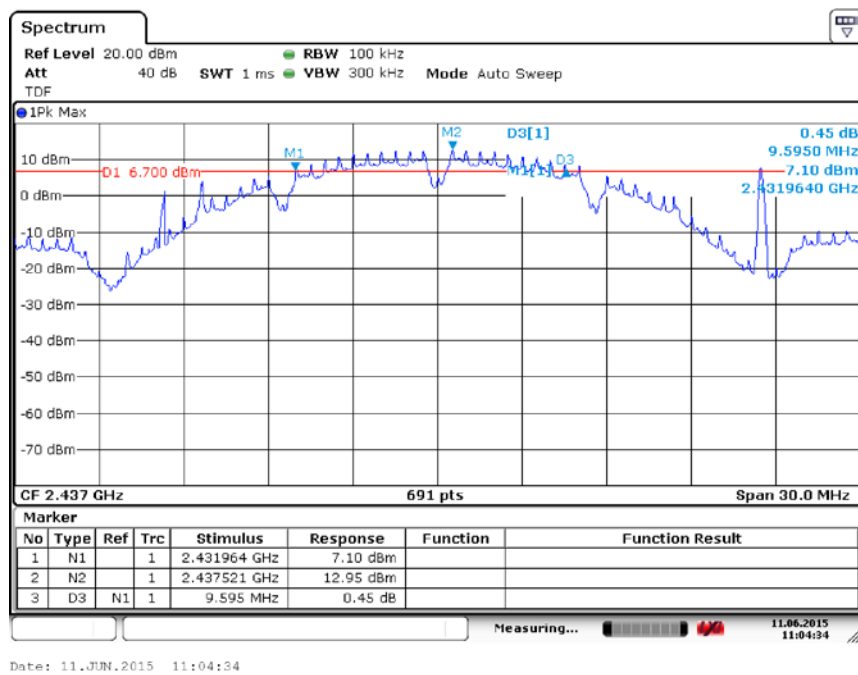


Fig.71 Occupied 6dB Bandwidth (802.11b, Ch 6)

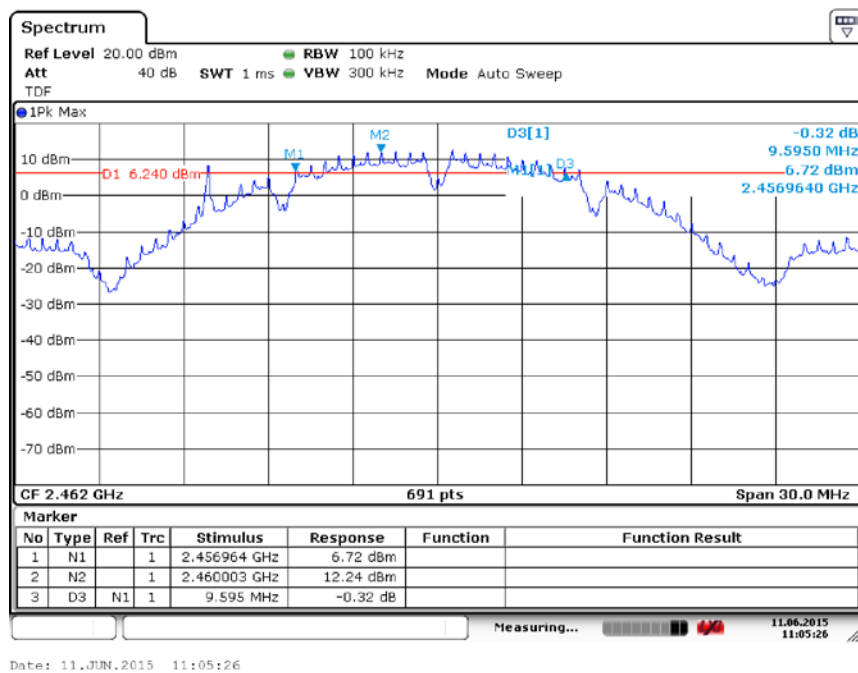


Fig.72 Occupied 6dB Bandwidth (802.11b, Ch 11)

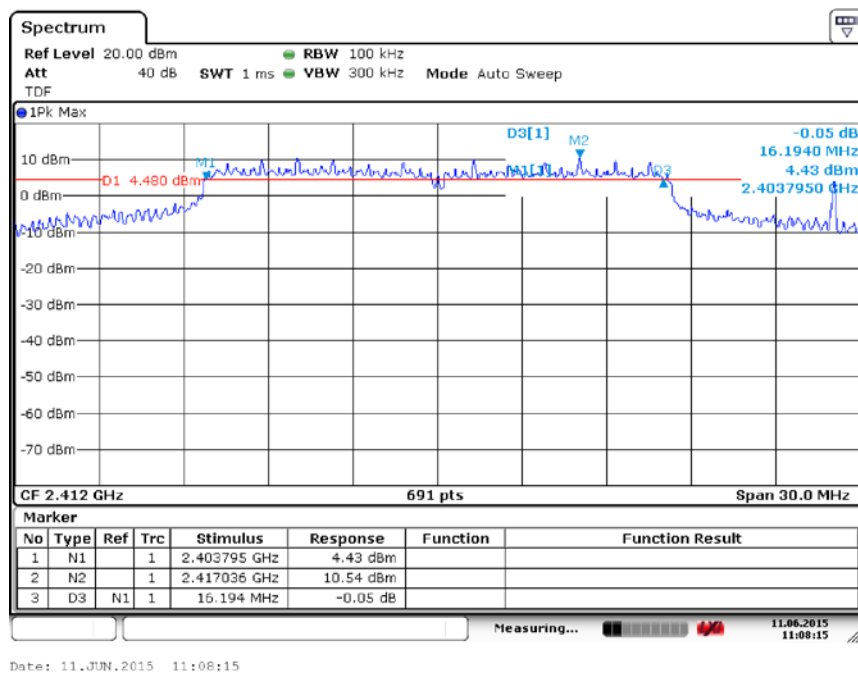


Fig.73 Occupied 6dB Bandwidth (802.11g, Ch 1)

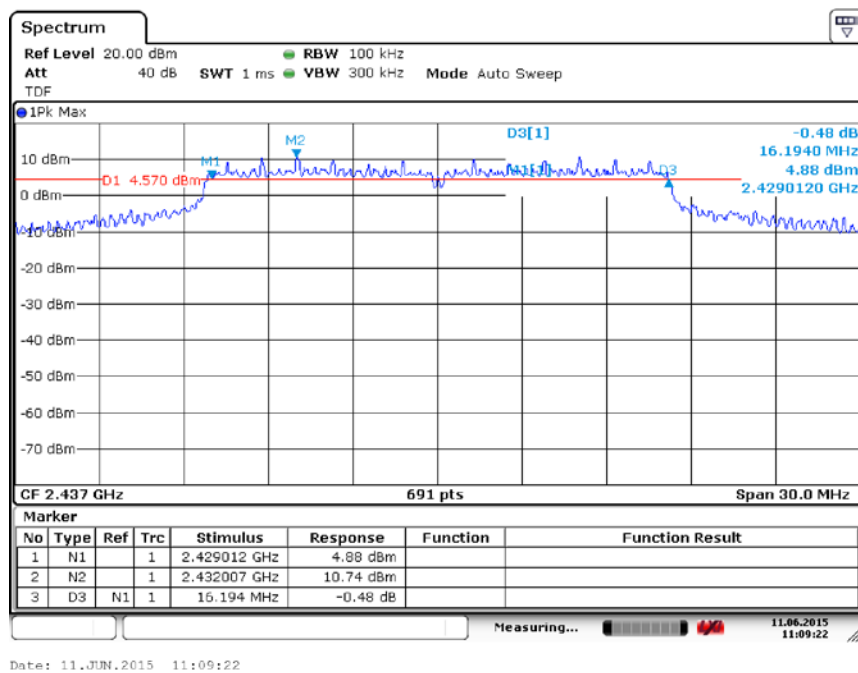


Fig.74 Occupied 6dB Bandwidth (802.11g, Ch 6)

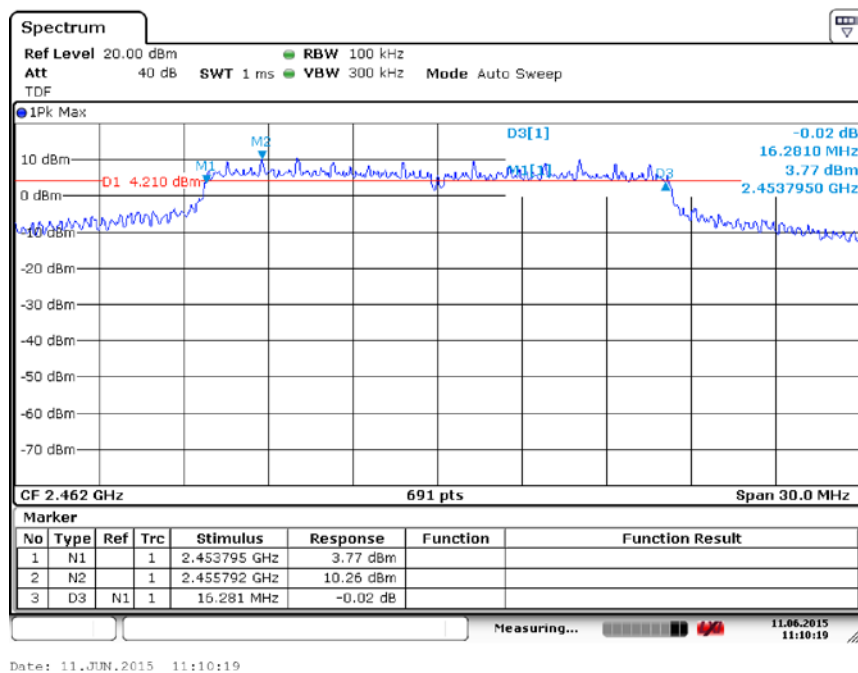


Fig.75 Occupied 6dB Bandwidth (802.11g, Ch 11)

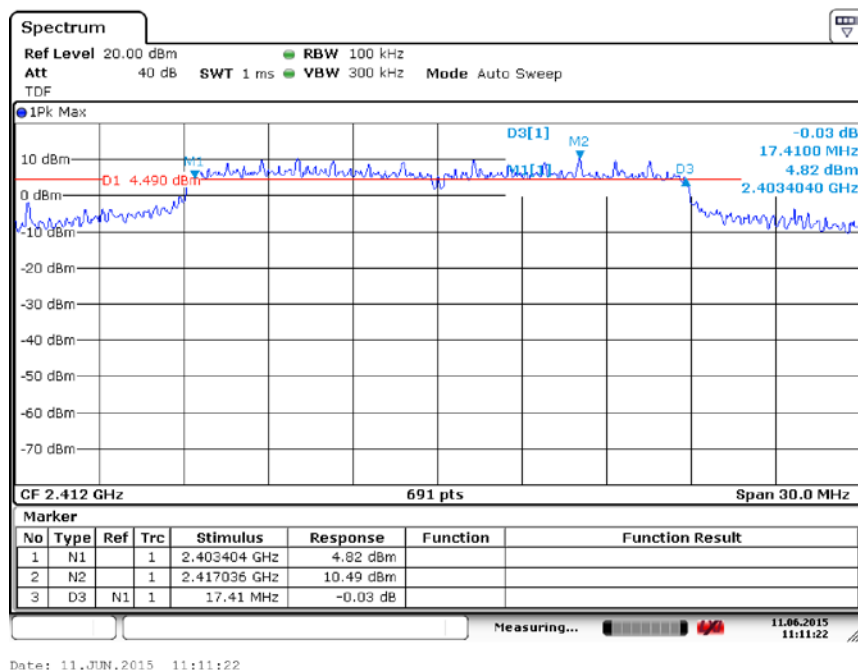


Fig.76 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 1)

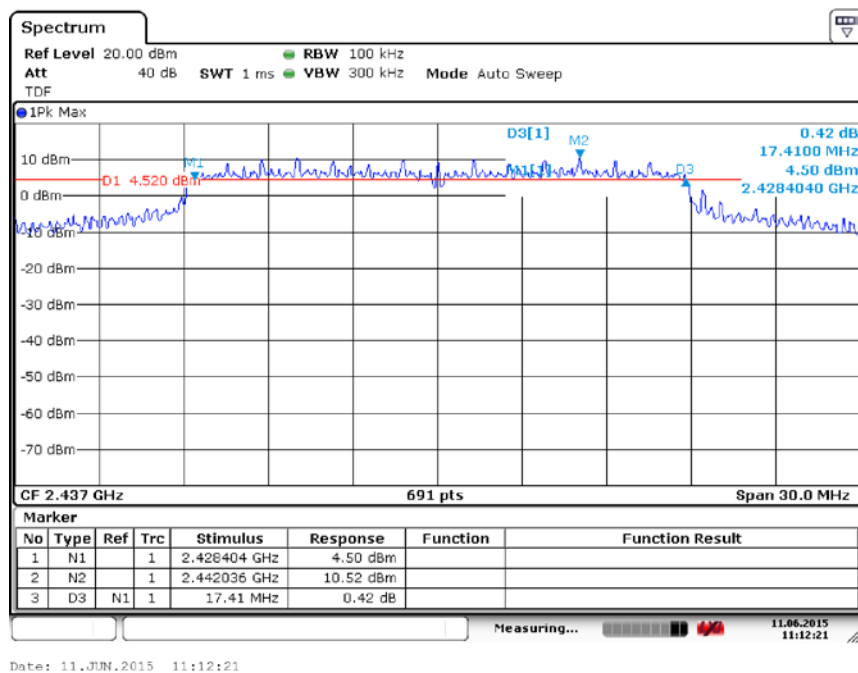


Fig.77 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 6)

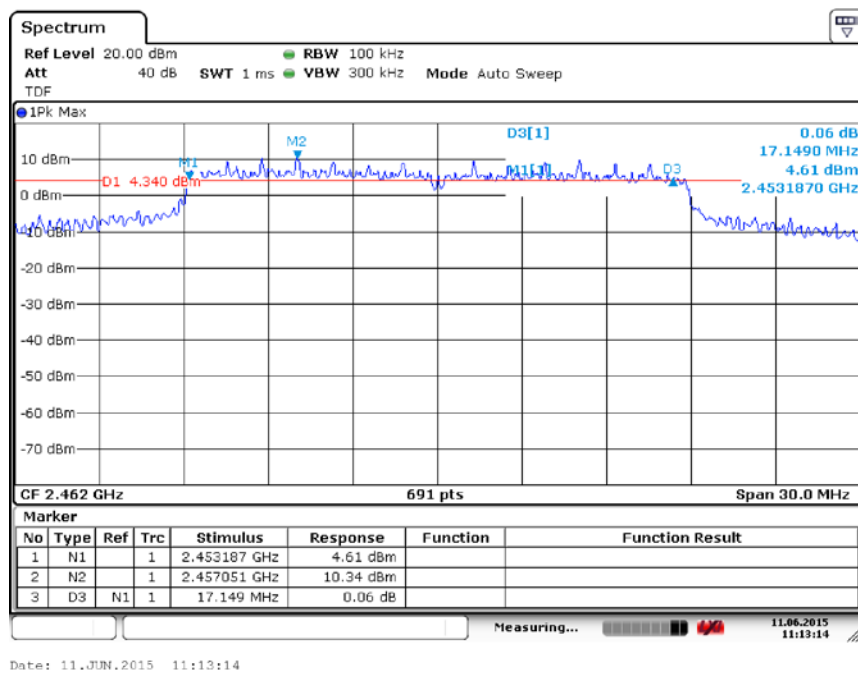


Fig.78 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 11)

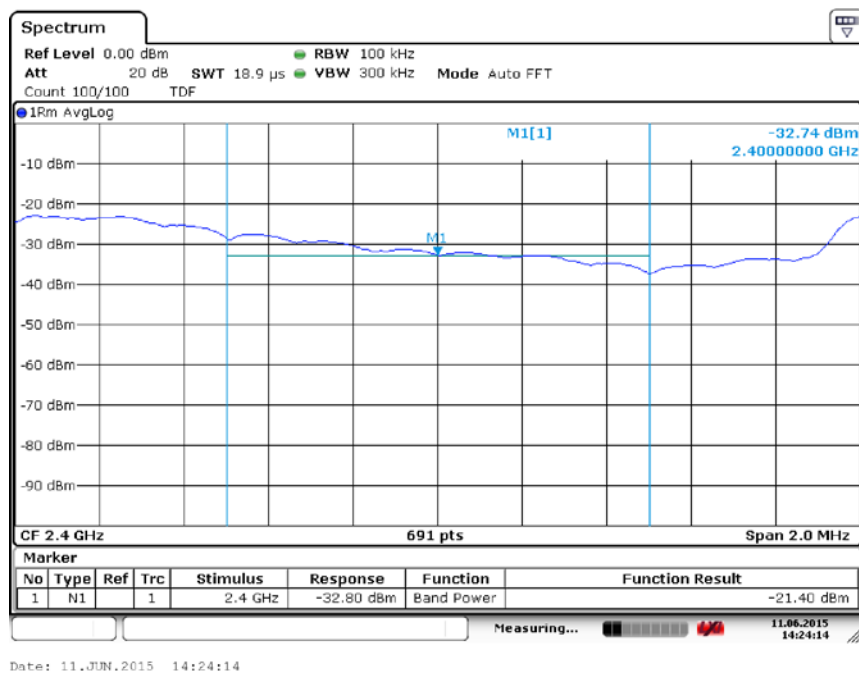


Fig.79 Band Edges (802.11b, Ch 1)

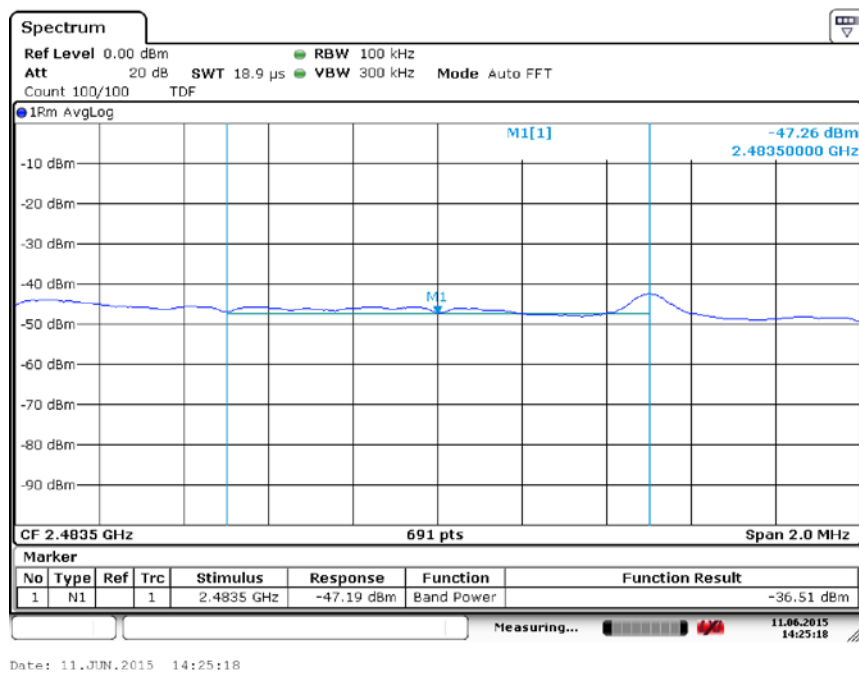


Fig.80 Band Edges (802.11b, Ch 11)

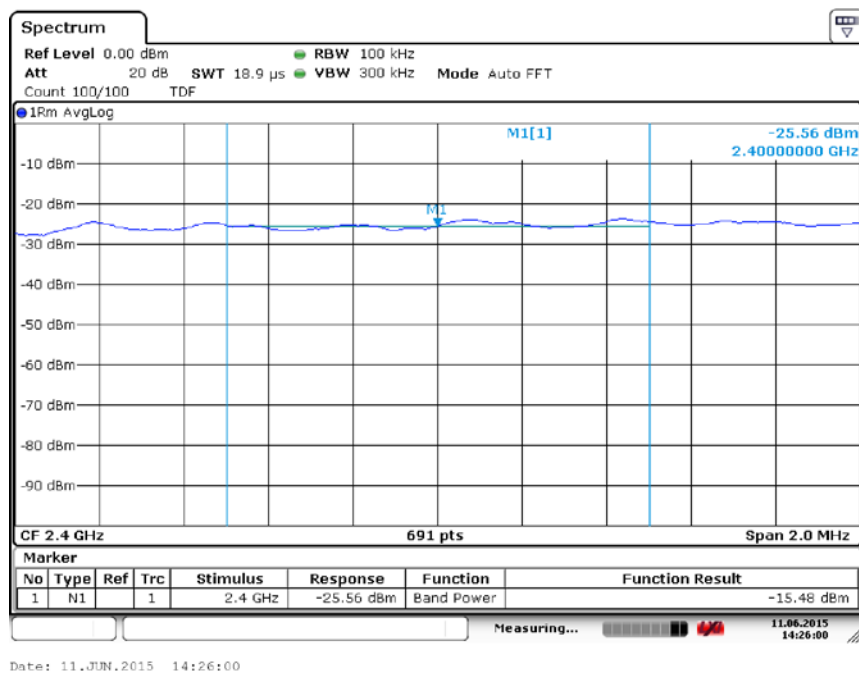


Fig.81 Band Edges (802.11g, Ch 1)

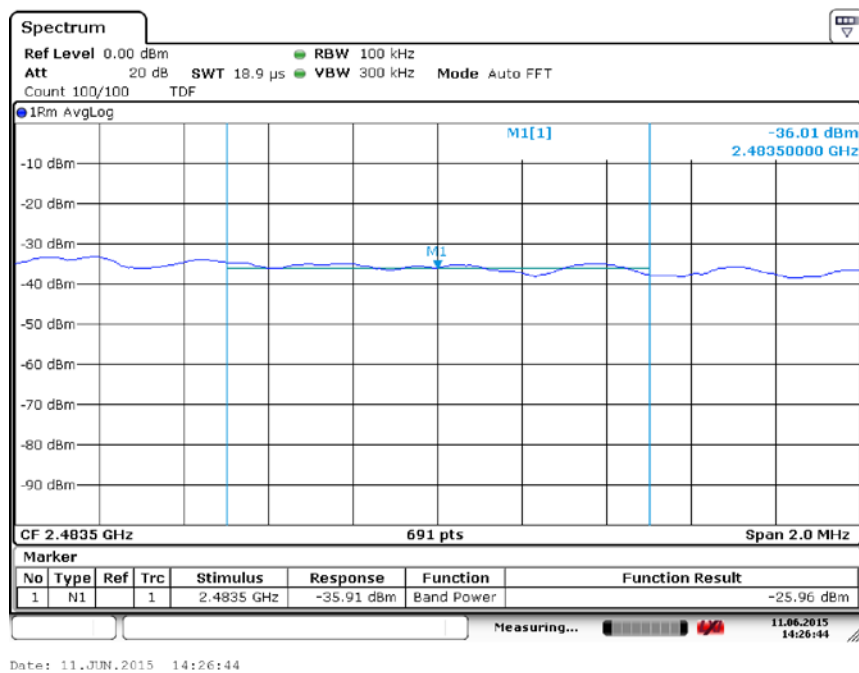


Fig.82 Band Edges (802.11g, Ch 11)

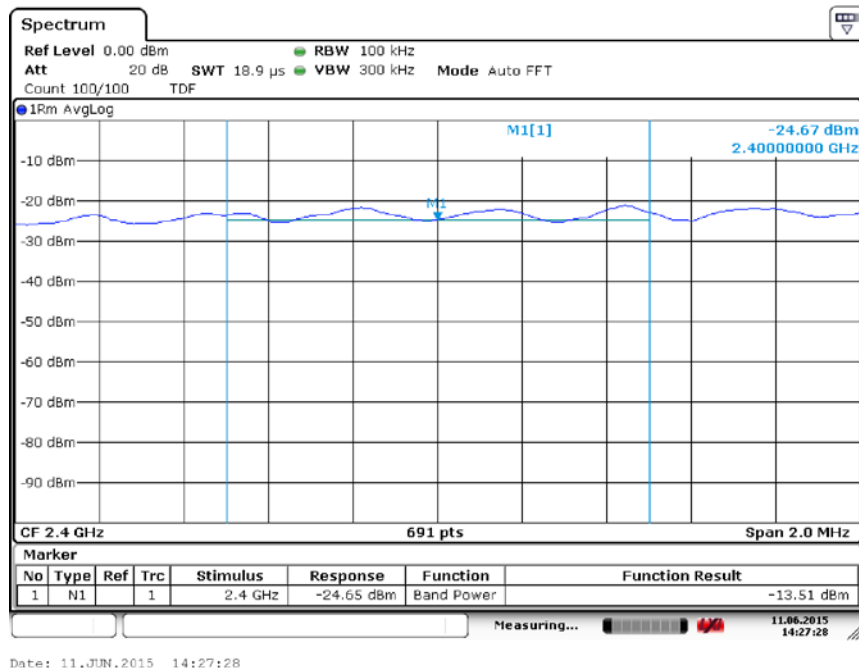


Fig.83 Band Edges (802.11 n-20MHz, Ch 1)

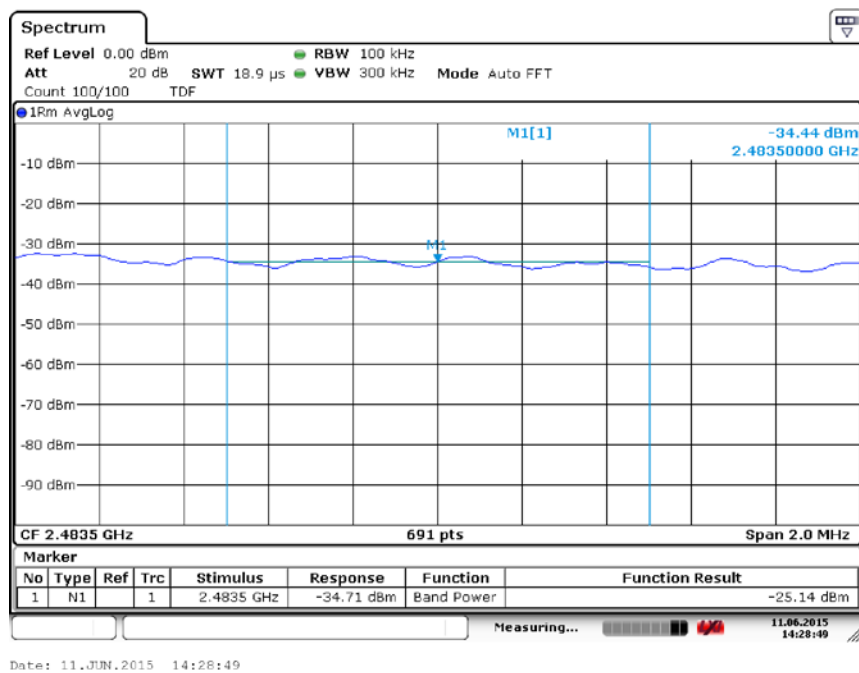


Fig.84 Band Edges (802.11 n-20MHz, Ch 11)

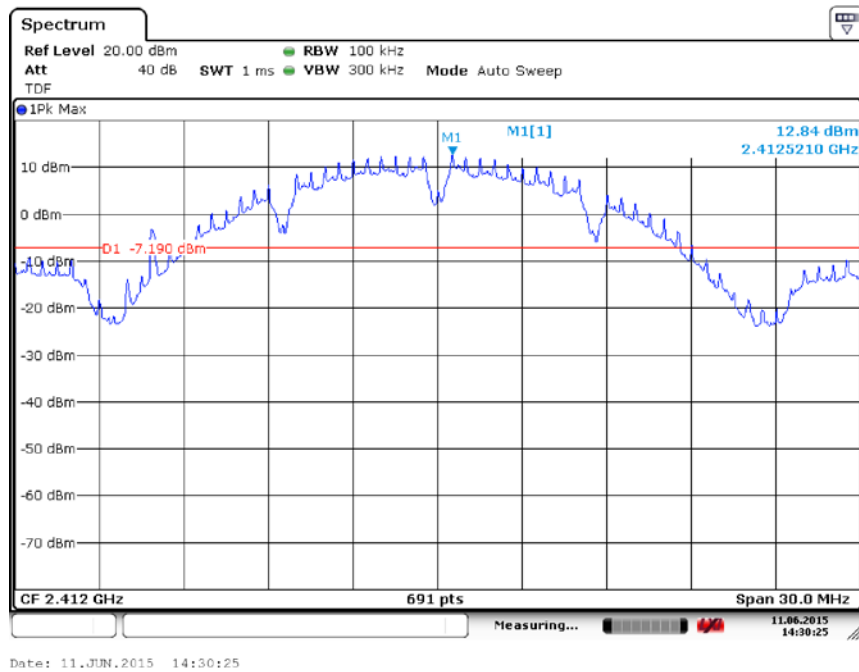


Fig.85 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)

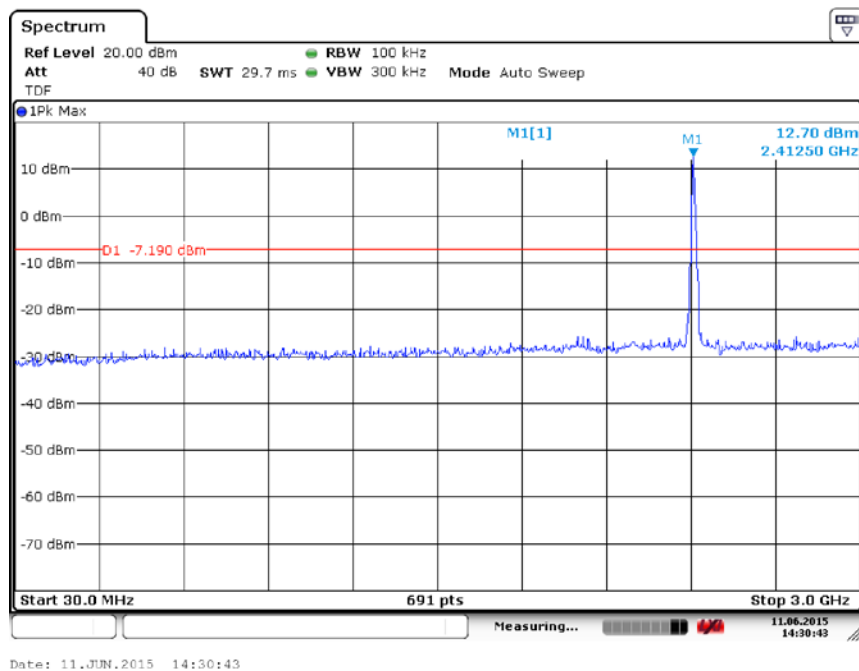


Fig.86 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-3 GHz)

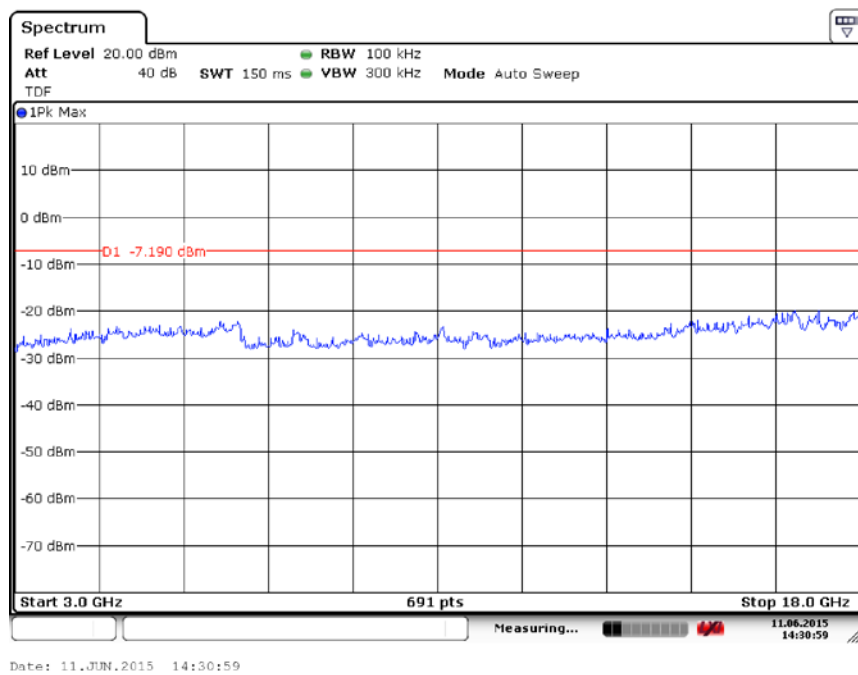


Fig.87 Conducted Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

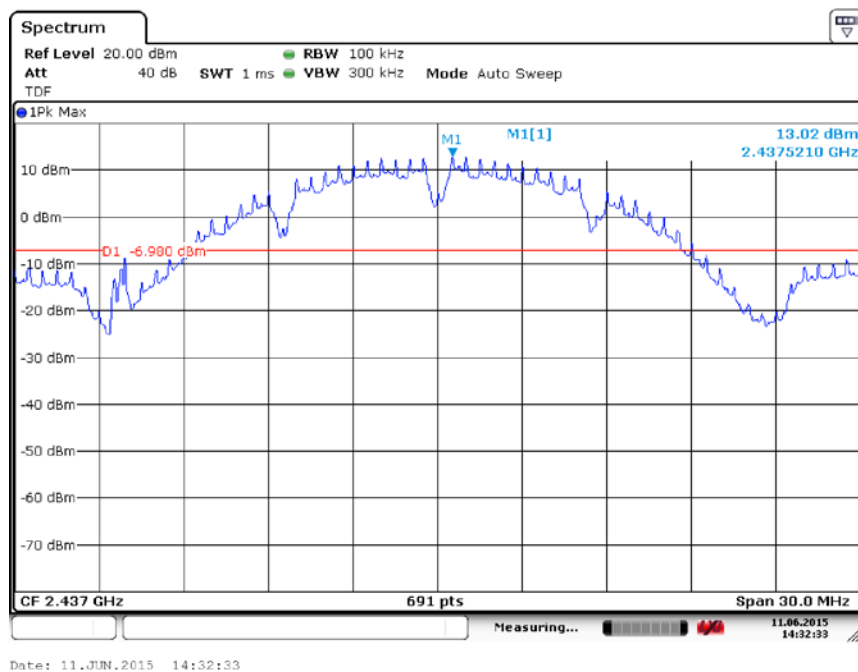


Fig.88 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)

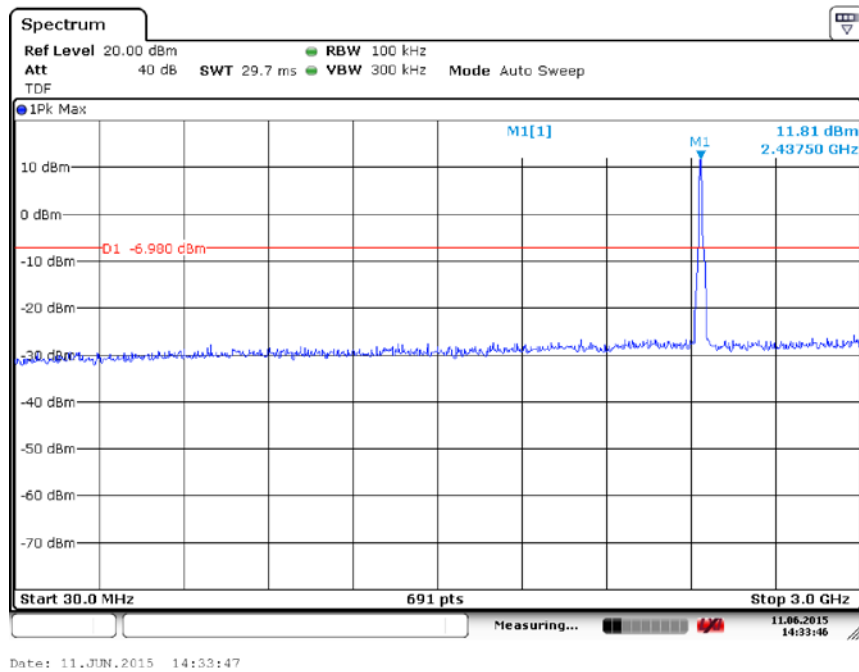


Fig.89 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-3 GHz)

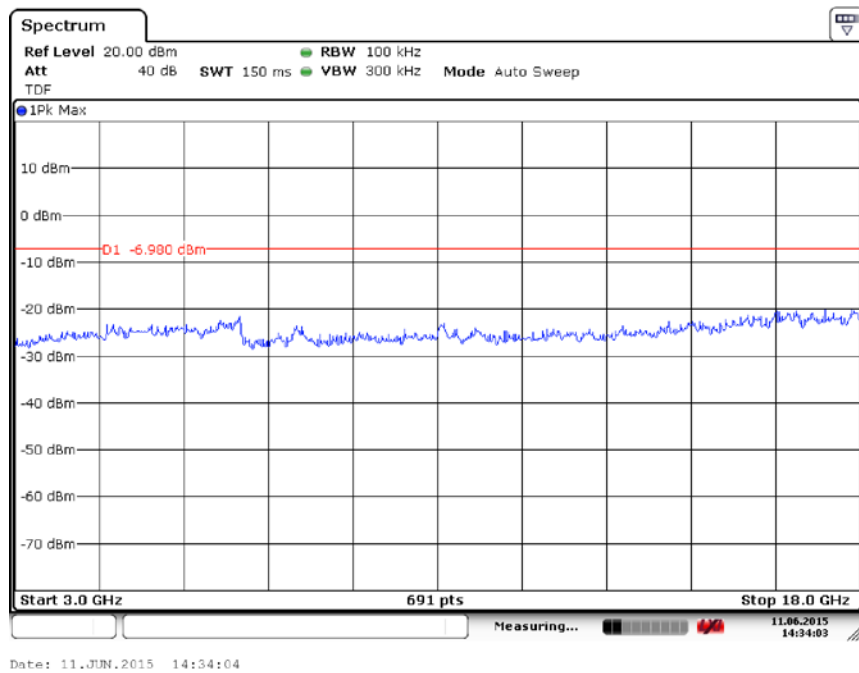


Fig.90 Conducted Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

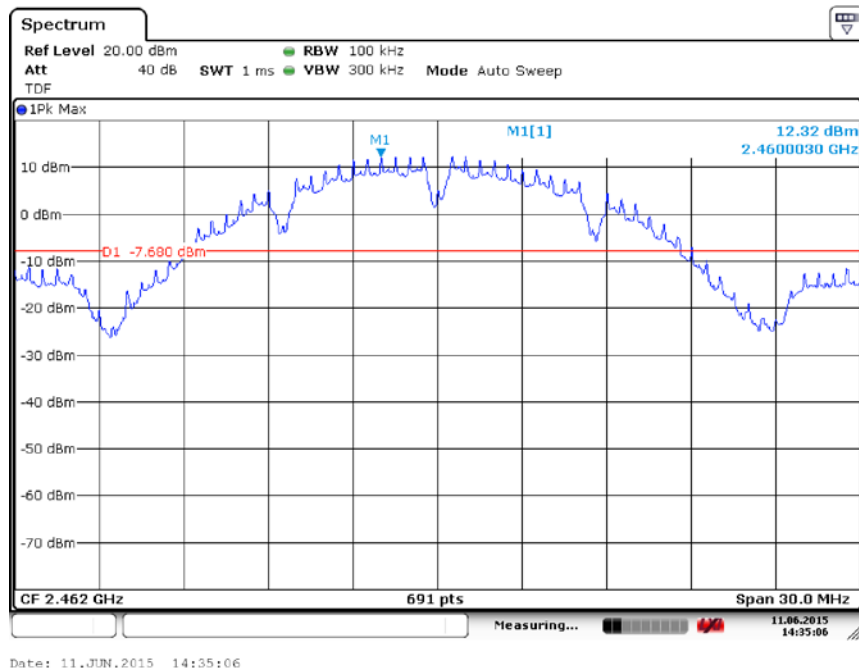


Fig.91 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)

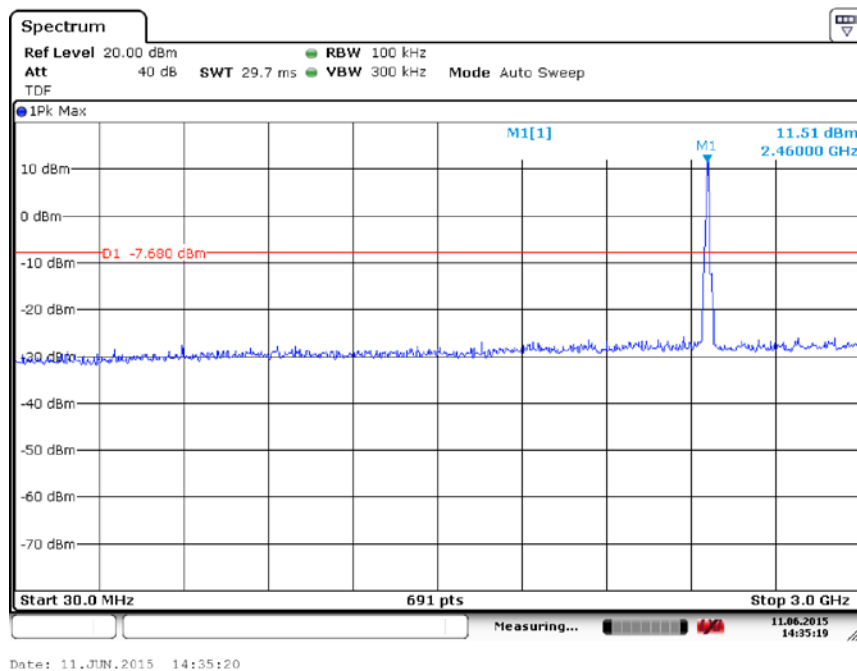


Fig.92 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-3 GHz)

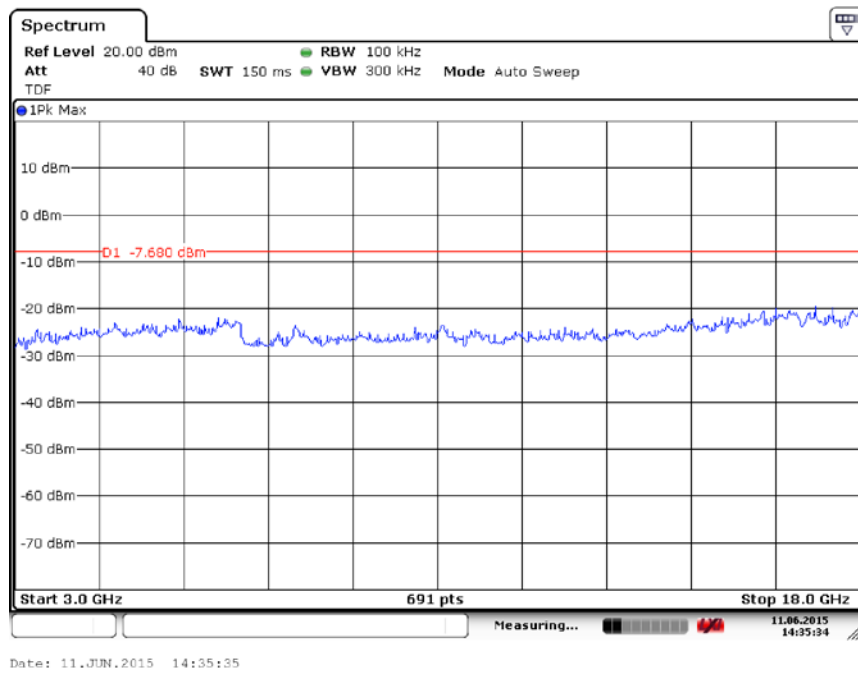


Fig.93 Conducted Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

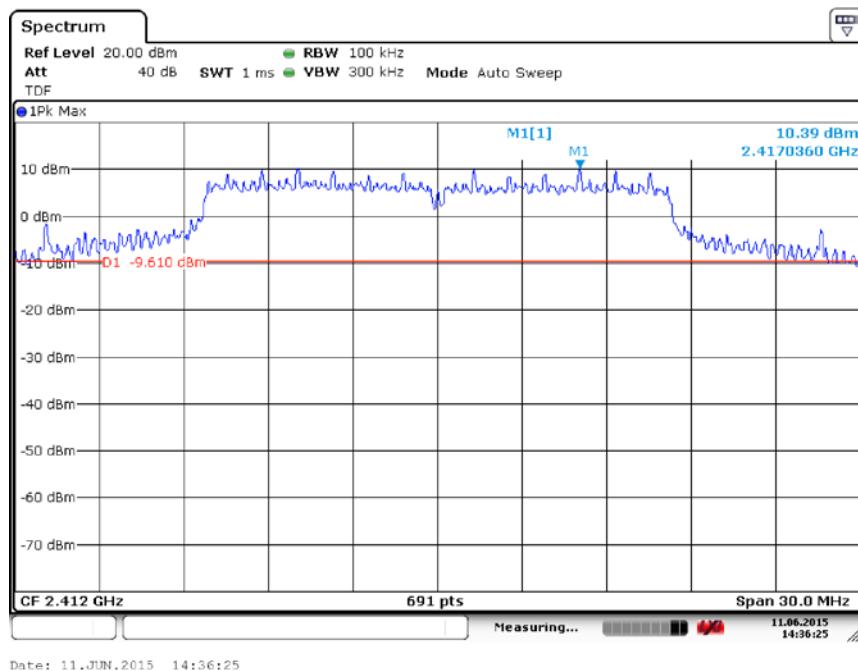


Fig.94 Conducted Spurious Emission (802.11g, Ch1, Center Frequency)

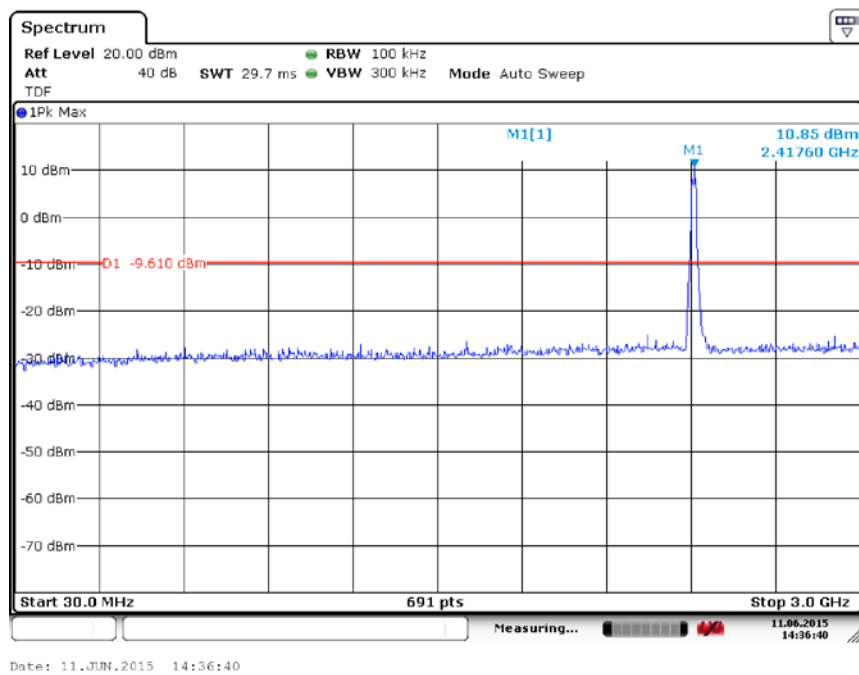


Fig.95 Conducted Spurious Emission (802.11g, Ch1, 30 MHz-3 GHz)

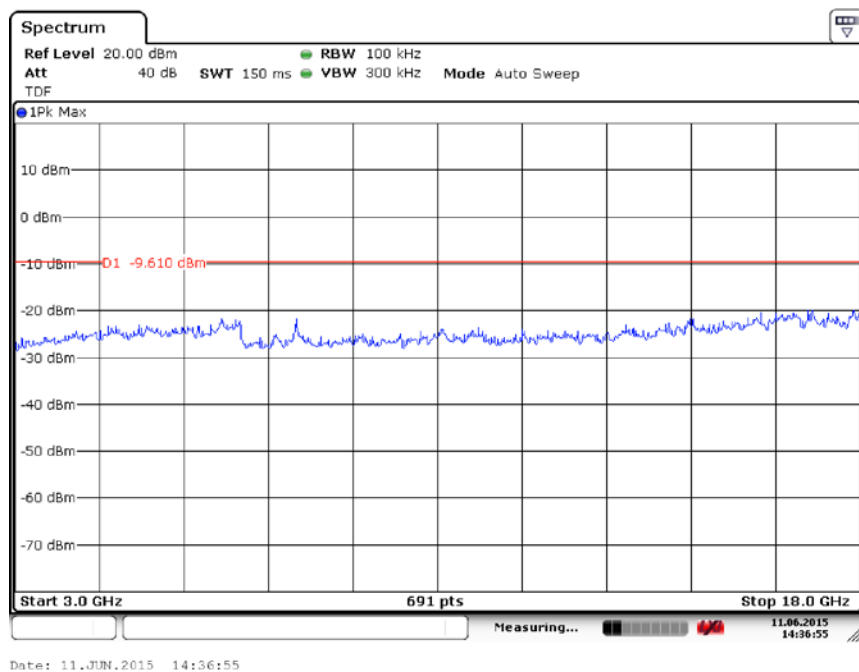


Fig.96 Conducted Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

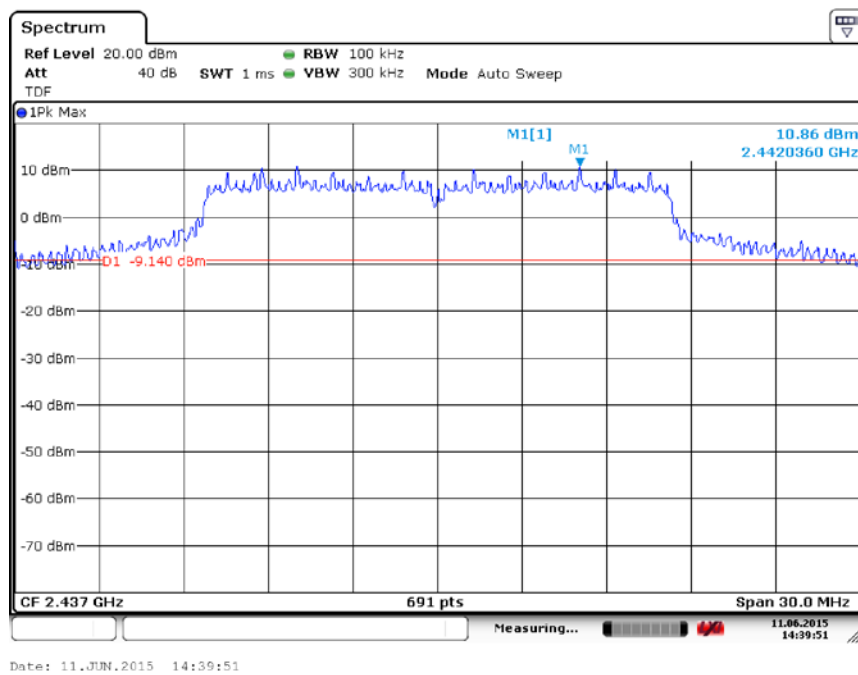


Fig.97 Conducted Spurious Emission (802.11g, Ch6, Center Frequency)

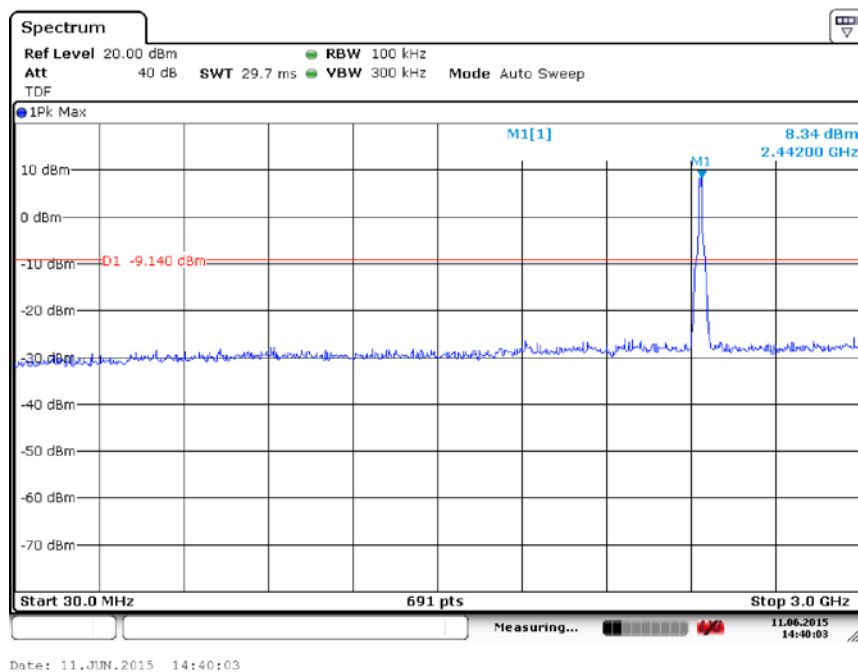


Fig.98 Conducted Spurious Emission (802.11g, Ch6, 30 MHz-3 GHz)

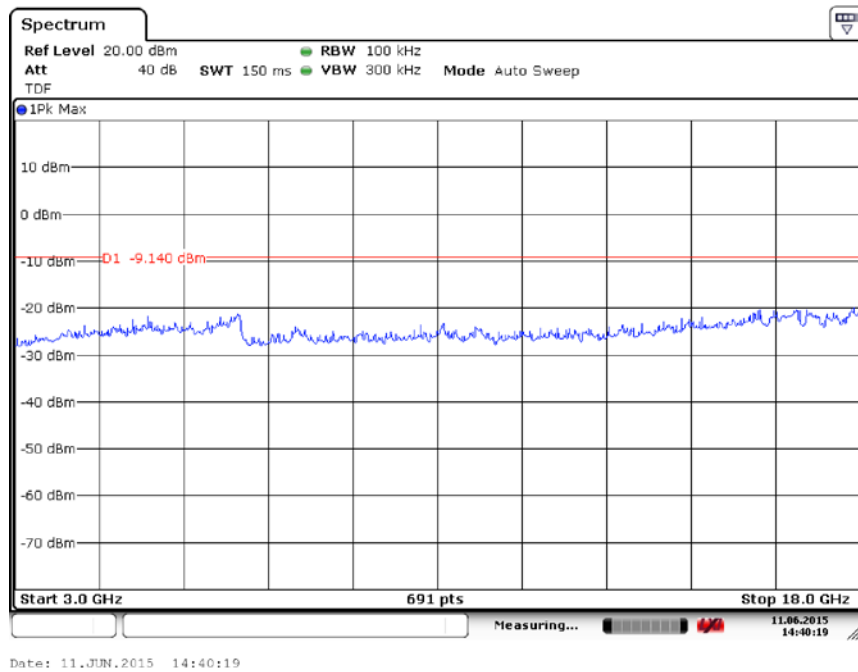


Fig.99 Conducted Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

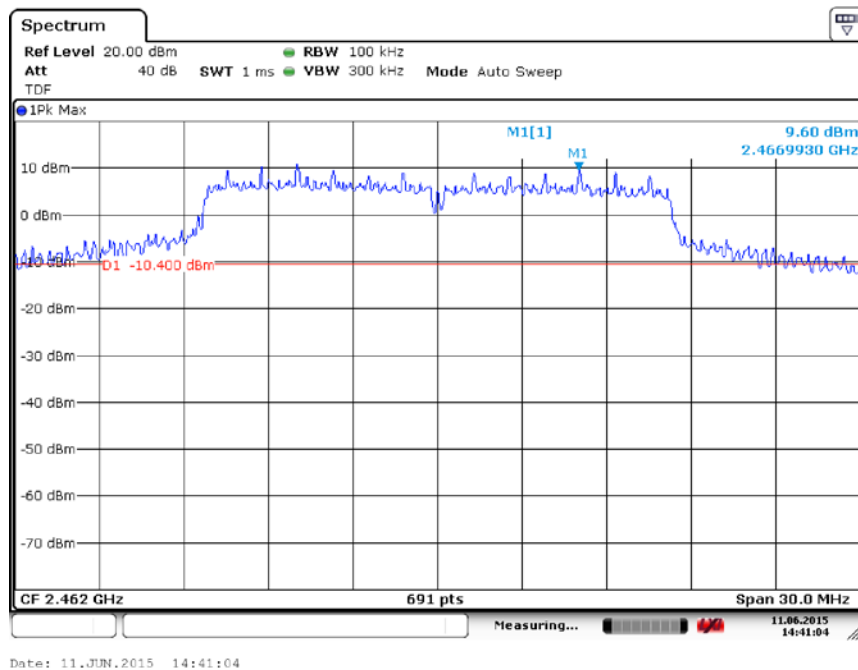


Fig.100 Conducted Spurious Emission (802.11g, Ch11, Center Frequency)

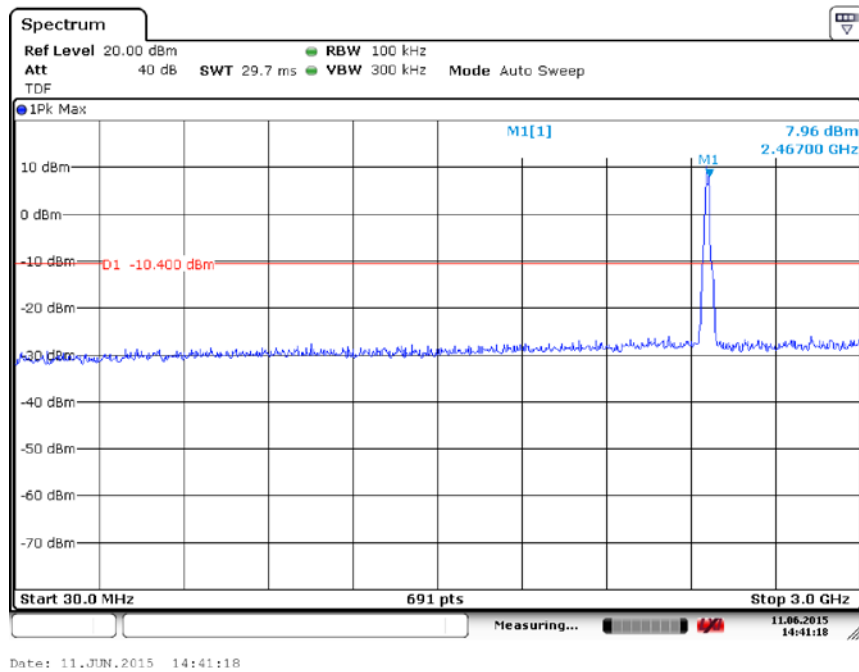


Fig.101 Conducted Spurious Emission (802.11g, Ch11, 30 MHz-3 GHz)

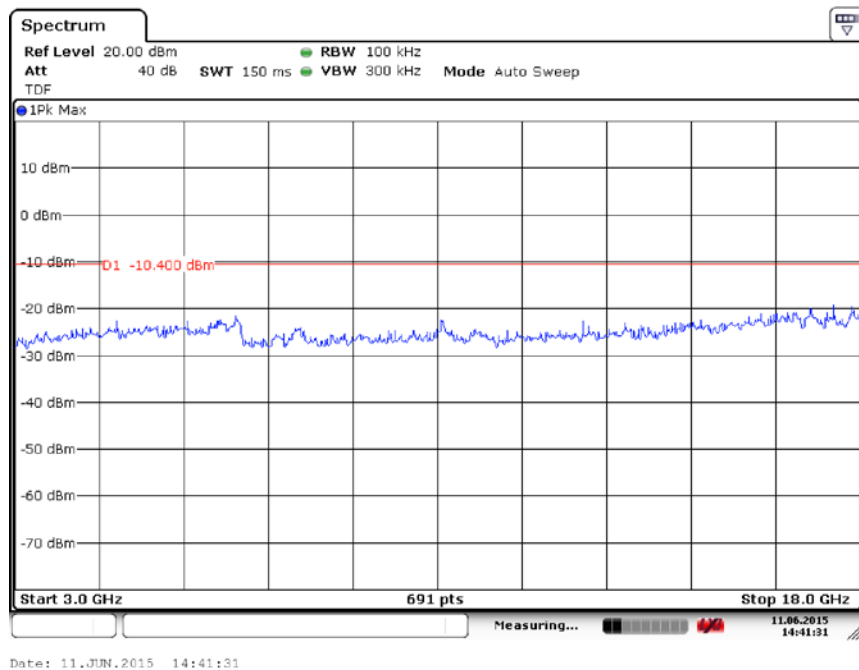


Fig.102 Conducted Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

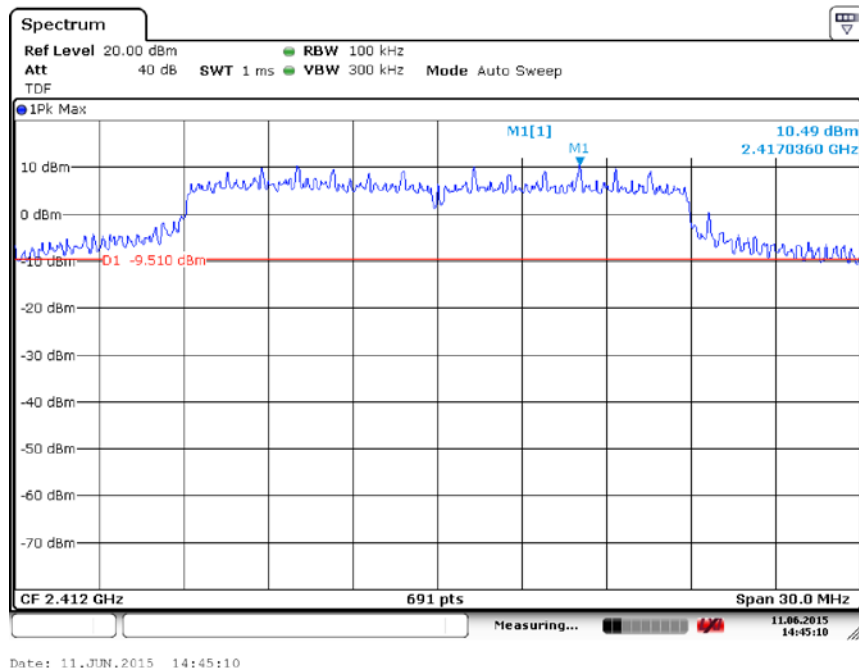


Fig.103 Conducted Spurious Emission (802.11n-20M, Ch1, Center Frequency)

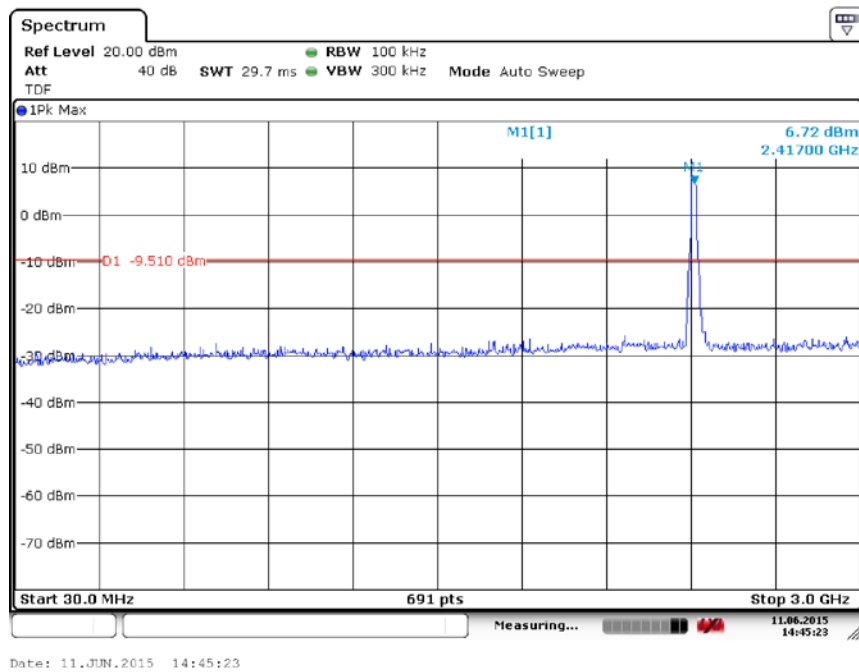


Fig.104 Conducted Spurious Emission (802.11n-20M, Ch1, 30 MHz-3 GHz)

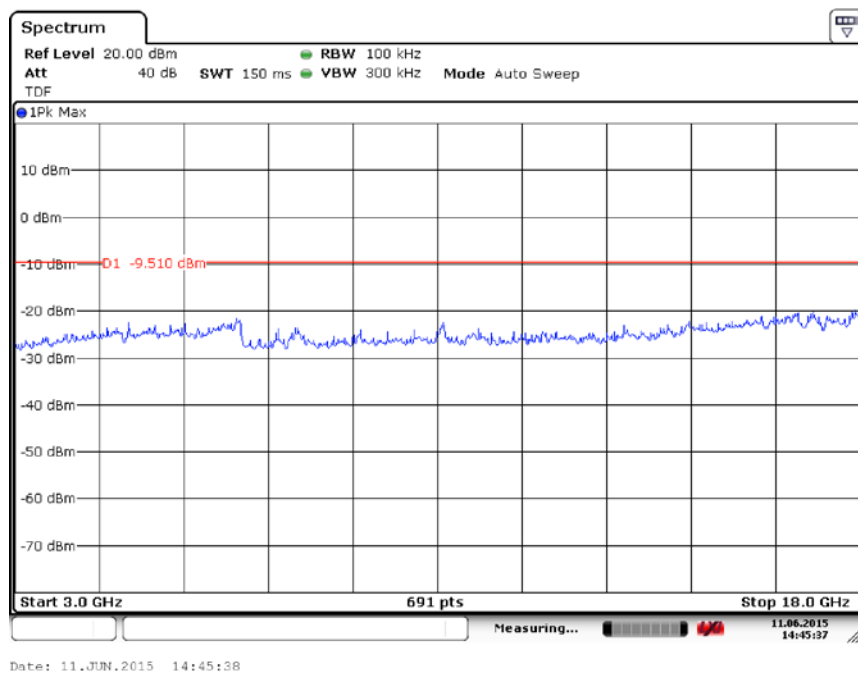


Fig.105 Conducted Spurious Emission (802.11n-20M, Ch1, 3 GHz-18 GHz)

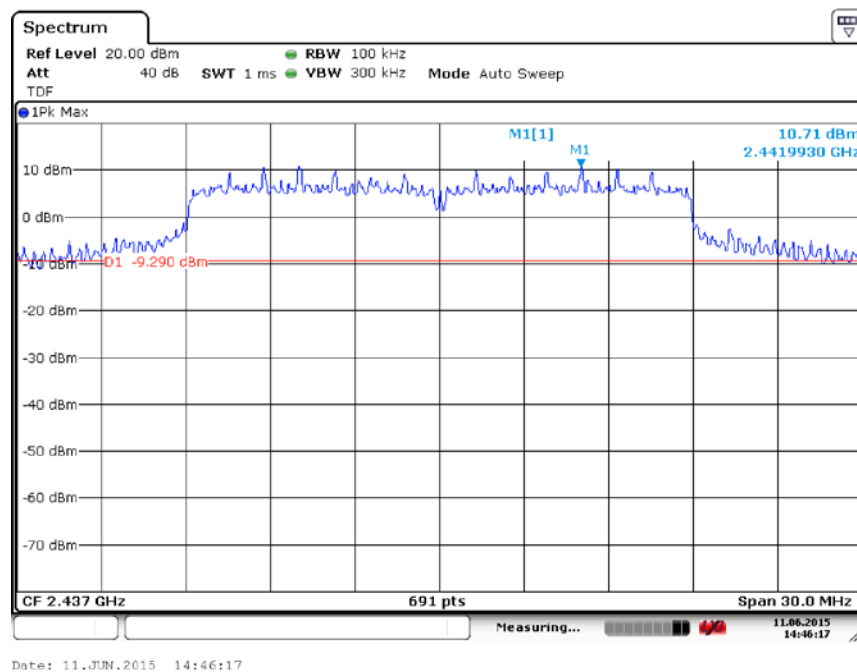


Fig.106 Conducted Spurious Emission (802.11n-20M, Ch6, Center Frequency)

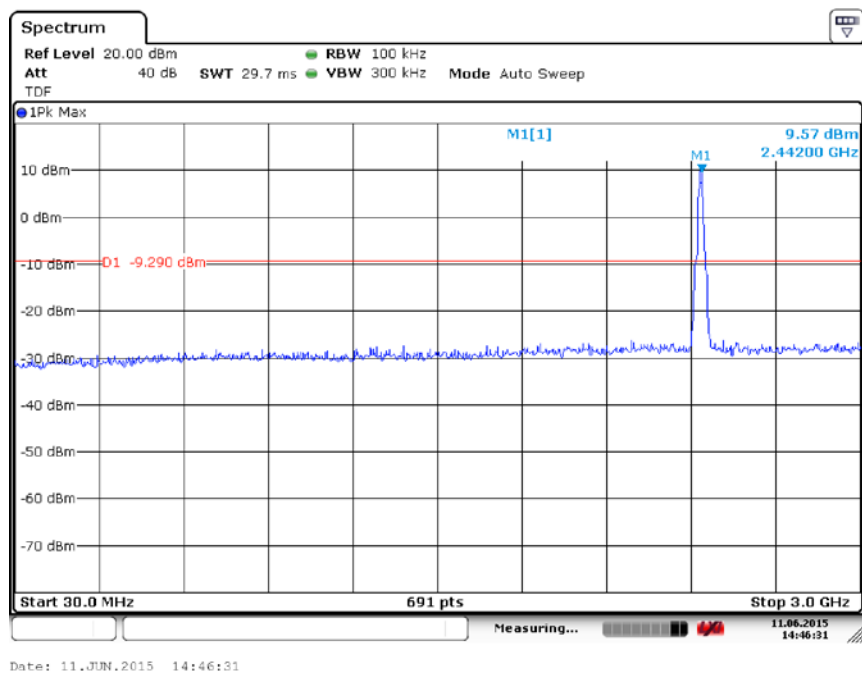


Fig.107 Conducted Spurious Emission (802.11n-20M, Ch6, 30 MHz-3 GHz)

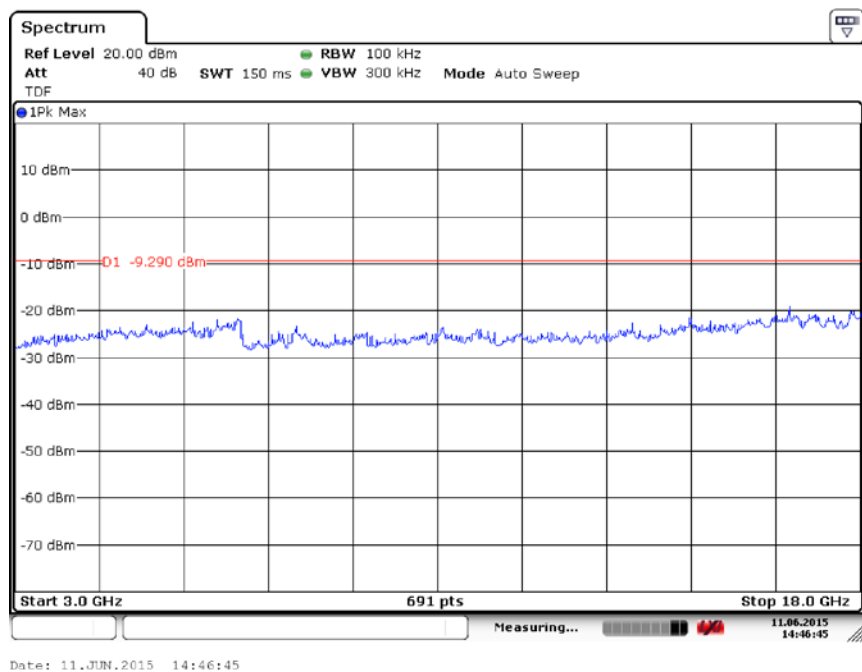


Fig.108 Conducted Spurious Emission (802.11n-20M, Ch6, 3 GHz-18 GHz)

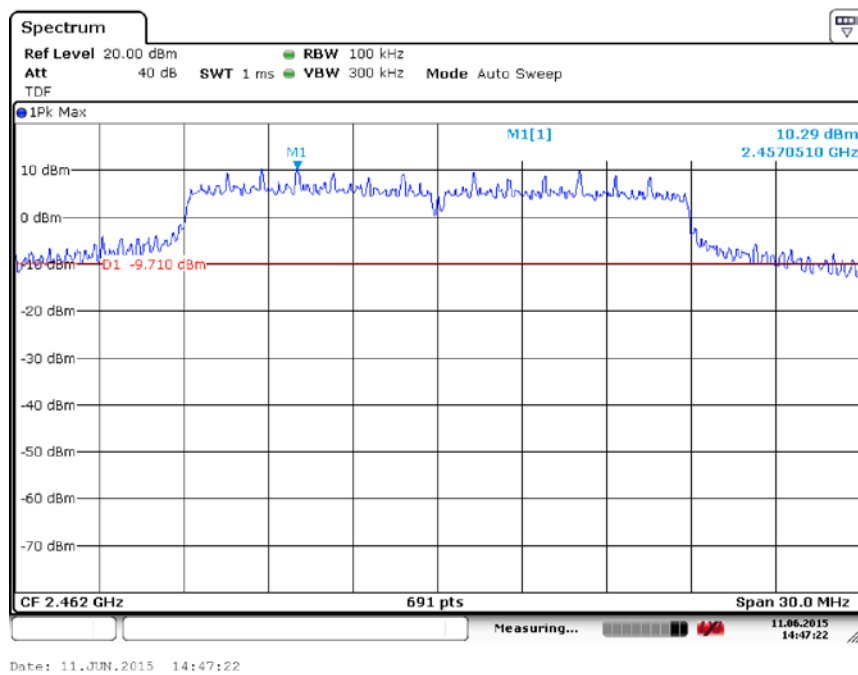


Fig.109 Conducted Spurious Emission (802.11n-20M, Ch11, Center Frequency)

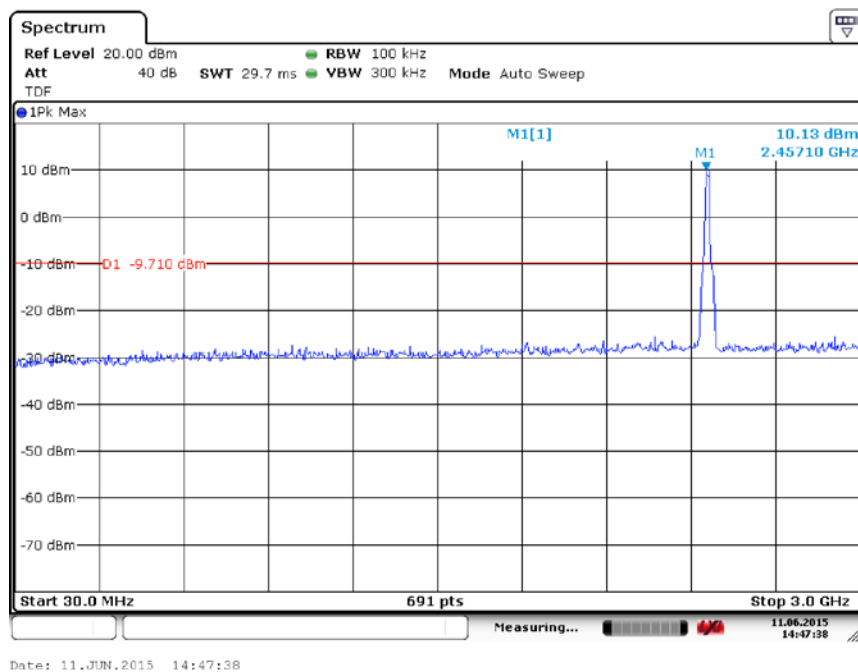


Fig.110 Conducted Spurious Emission (802.11n-20M, Ch11, 30 MHz-3 GHz)

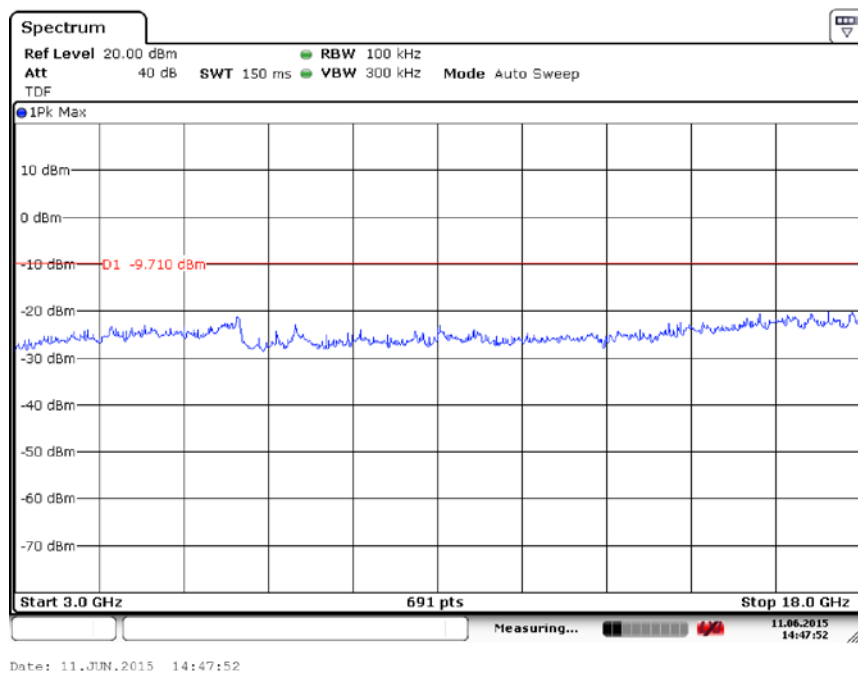


Fig.111 Conducted Spurious Emission (802.11n-20M, Ch11, 3 GHz-18 GHz)

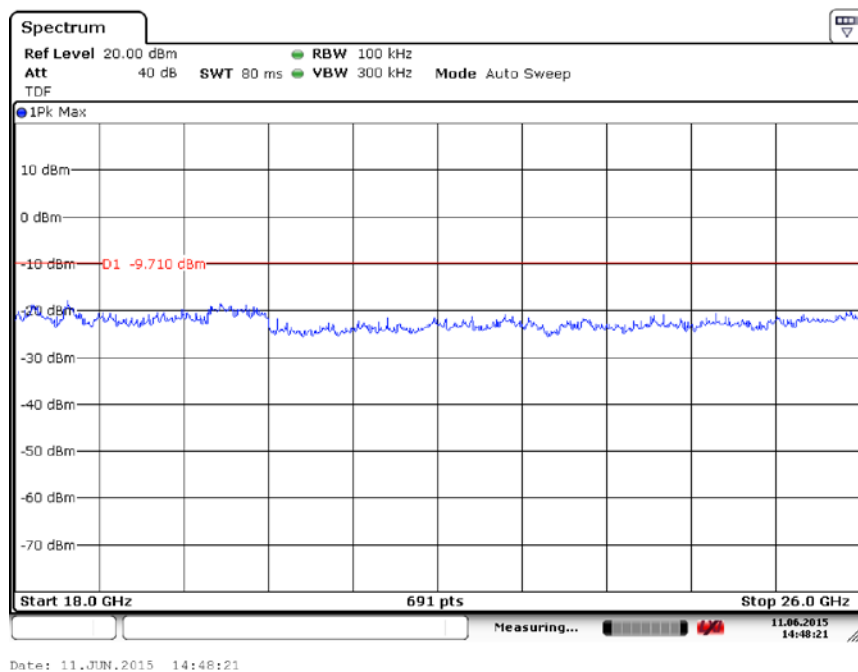


Fig.112 Conducted Spurious Emission (All channels, 18 GHz-26 GHz)

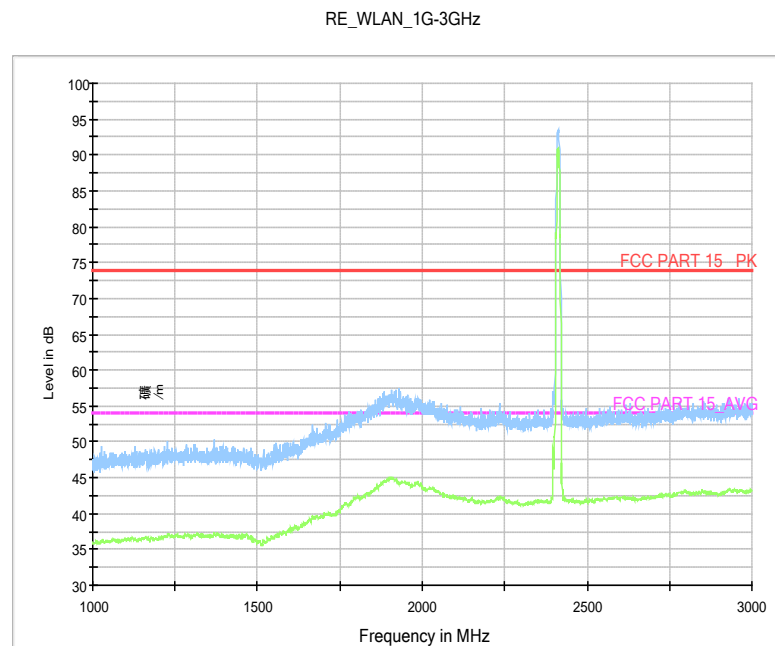


Fig.113 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3GHz)

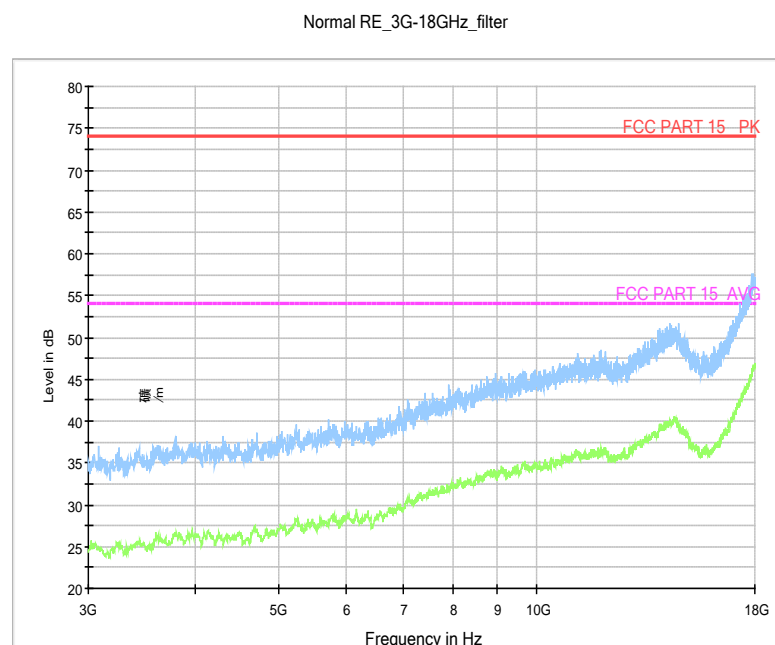


Fig.114 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

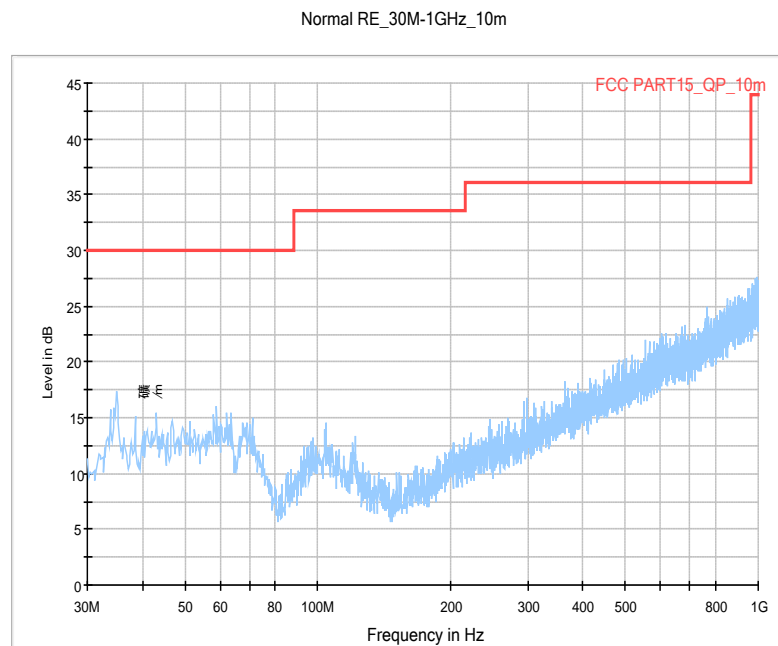


Fig.115 Radiated Spurious Emission (802.11b, Ch6, 30MHz-1 GHz,AE1)

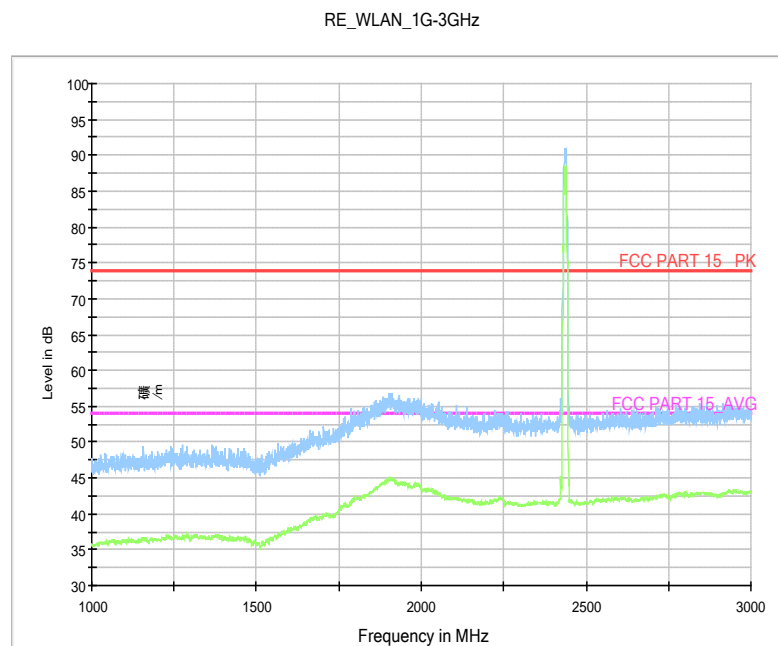


Fig.116 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3GHz)

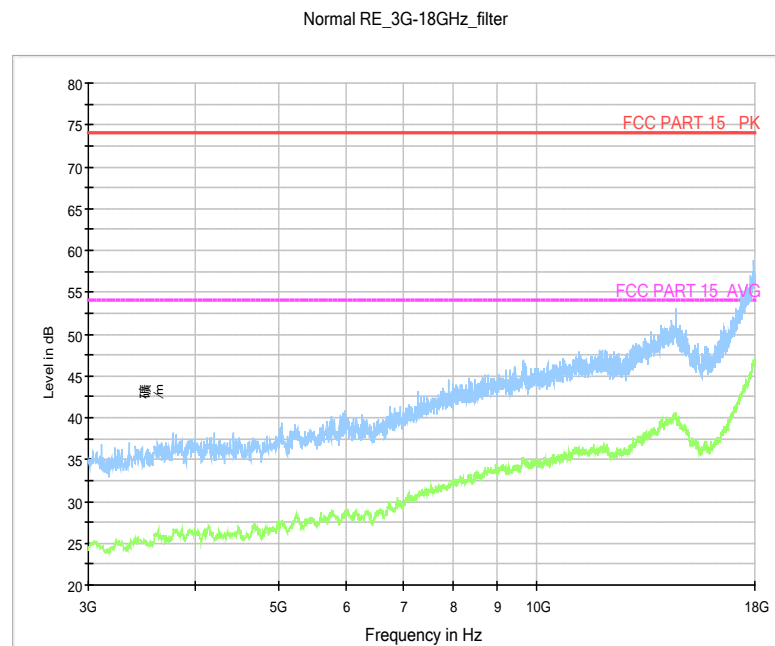


Fig.117 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

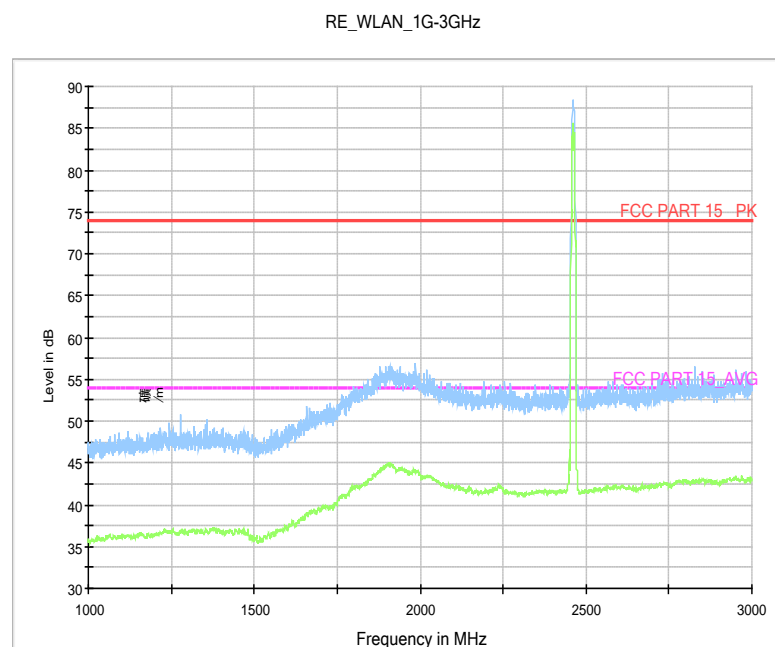


Fig.118 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3GHz)

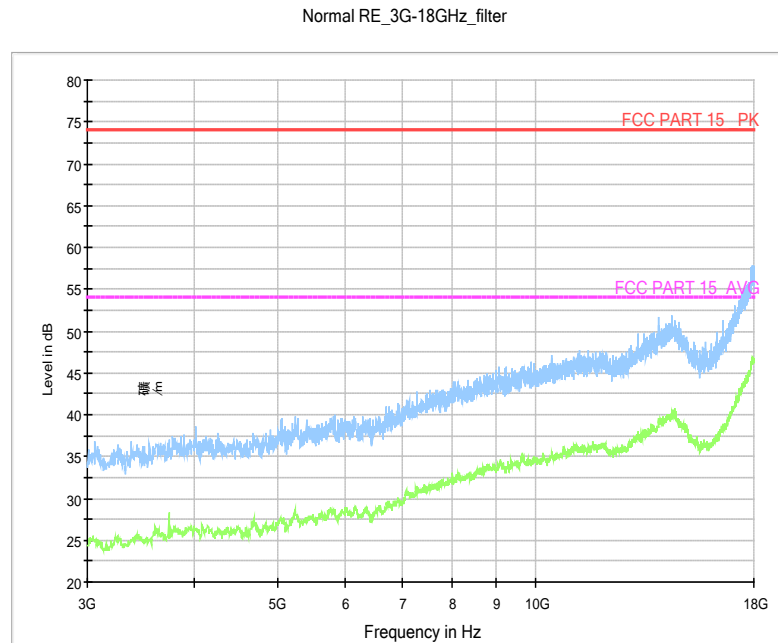


Fig.119 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

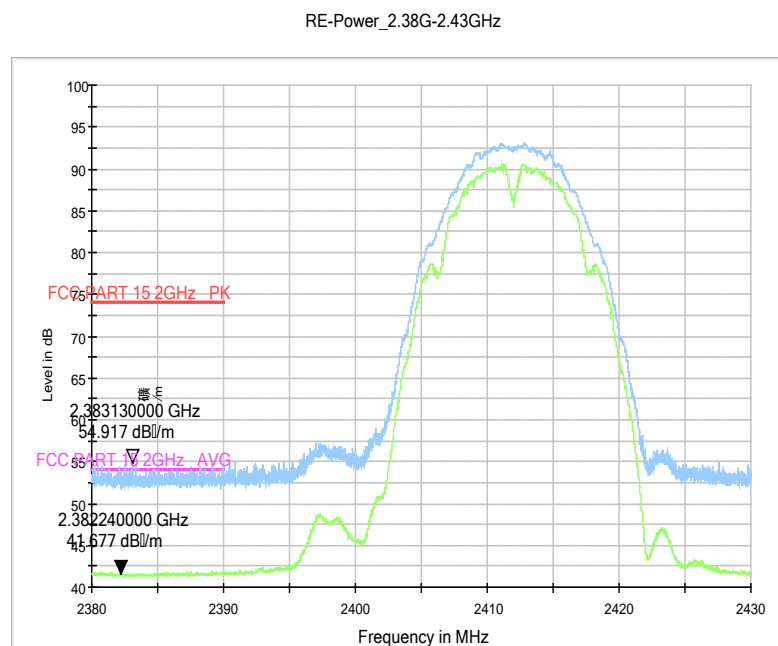
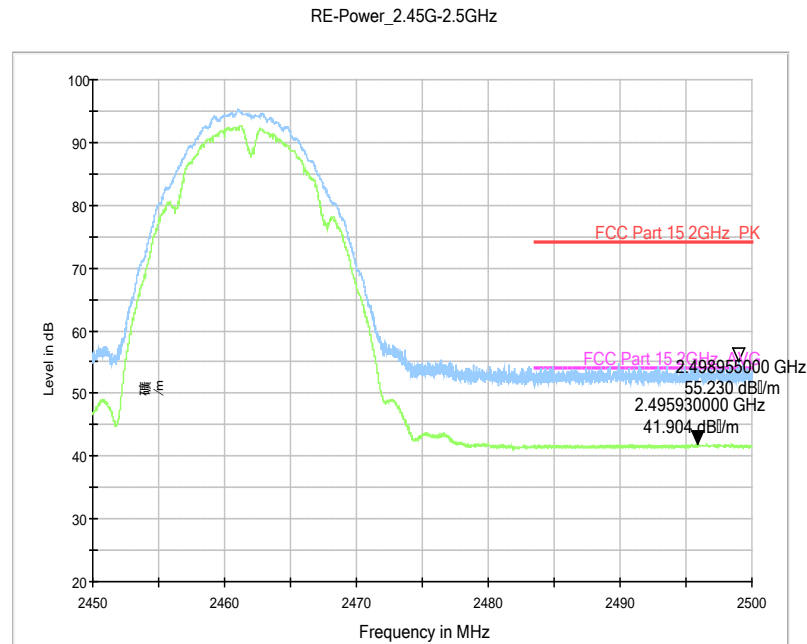
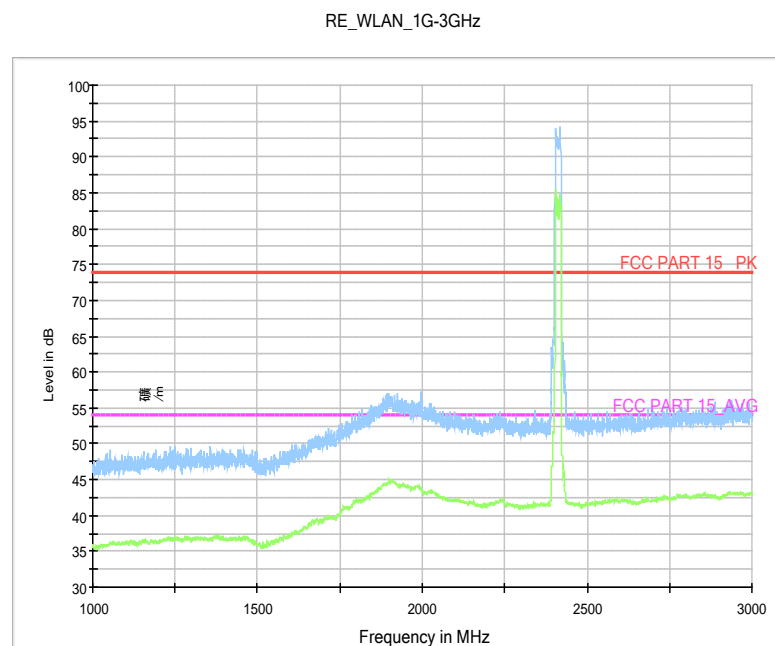


Fig.120 Radiated Emission Power (802.11b, Ch1, 2380GHz~2450GHz)

Fig.121 Radiated Emission Power (802.11b, Ch11, 2450GHz~2500GHz)

Fig.122 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)

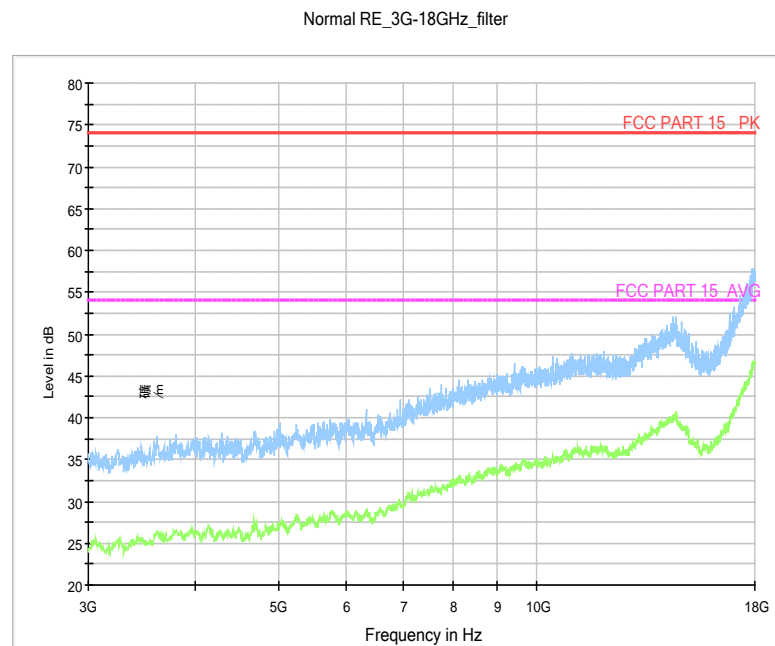


Fig.123 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

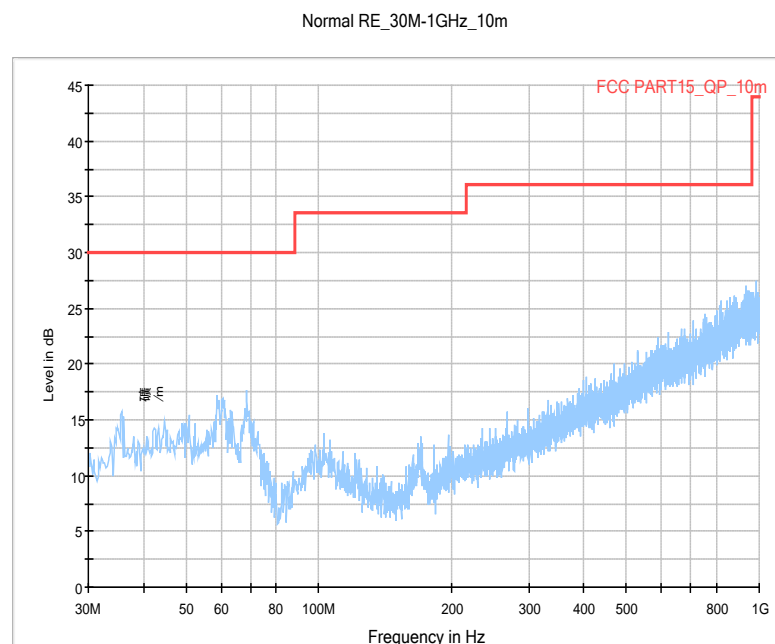


Fig.124 Radiated Spurious Emission (802.11g, Ch6, 30MHz-1 GHz)

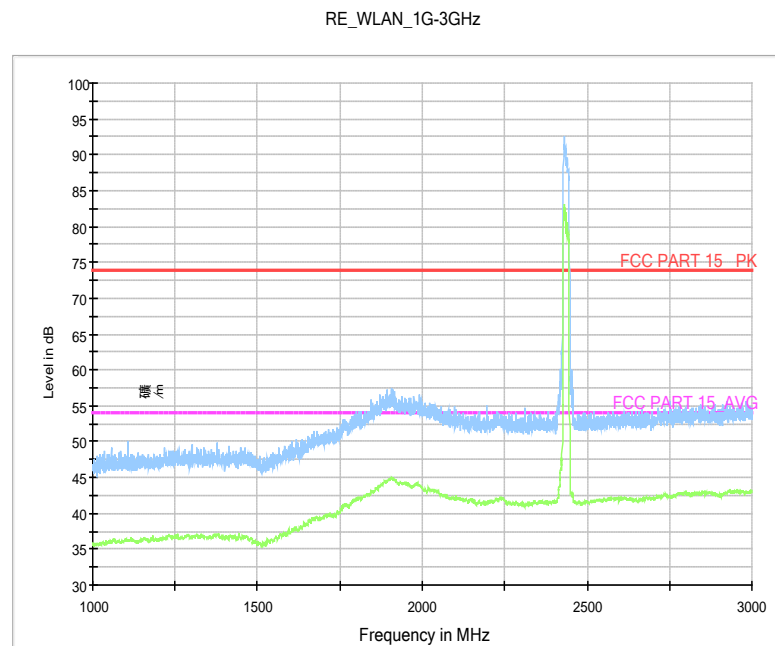


Fig.125 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)

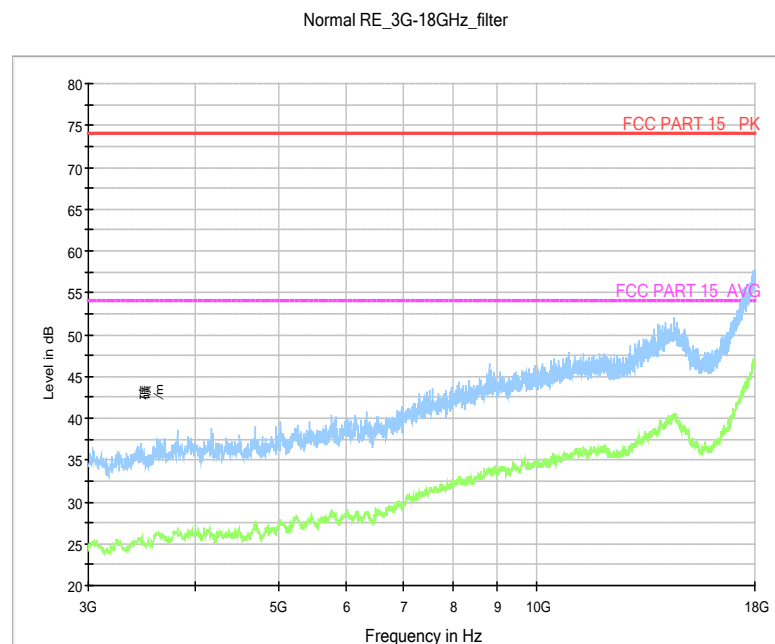


Fig.126 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

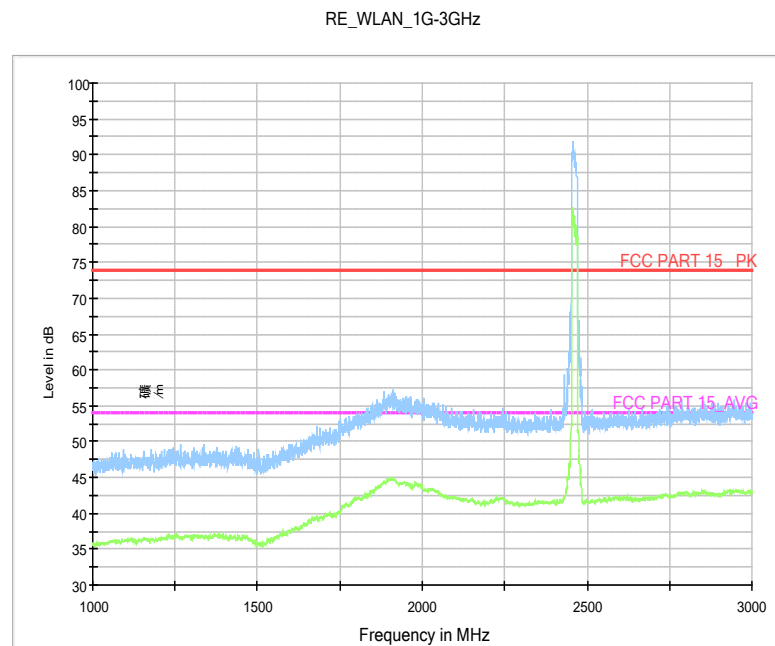


Fig.127 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)

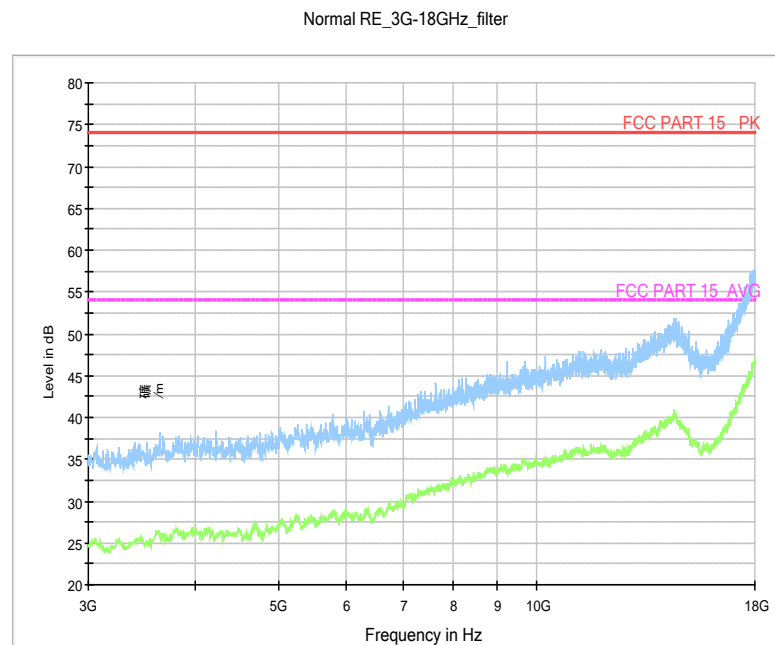


Fig.128 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

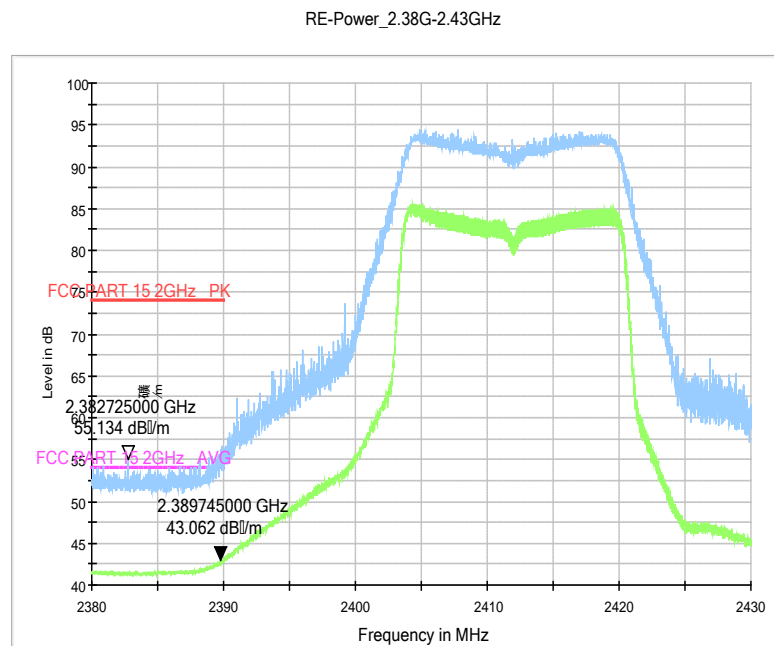


Fig.129 Radiated Emission Power (802.11g, Ch1, 2380GHz~2450GHz)

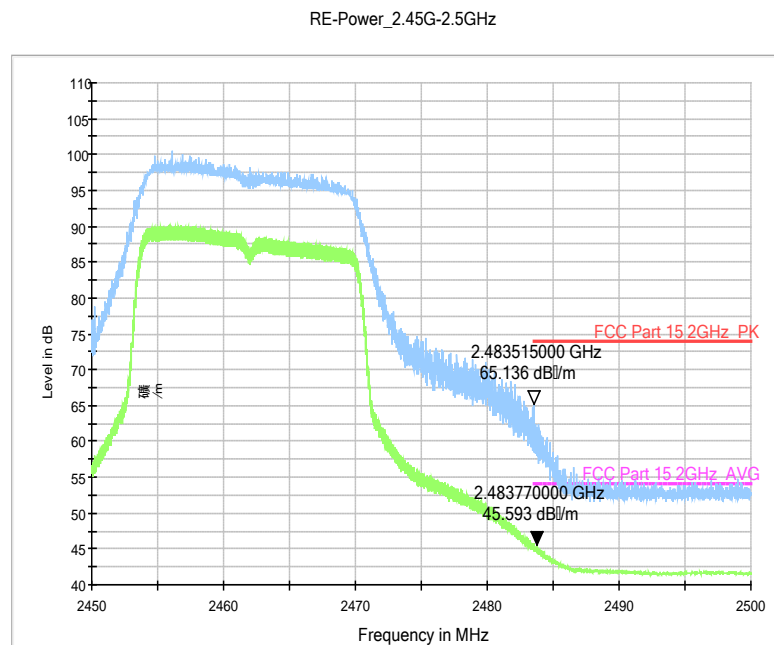


Fig.130 Radiated Emission Power (802.11g, Ch11, 2450GHz~2500GHz)

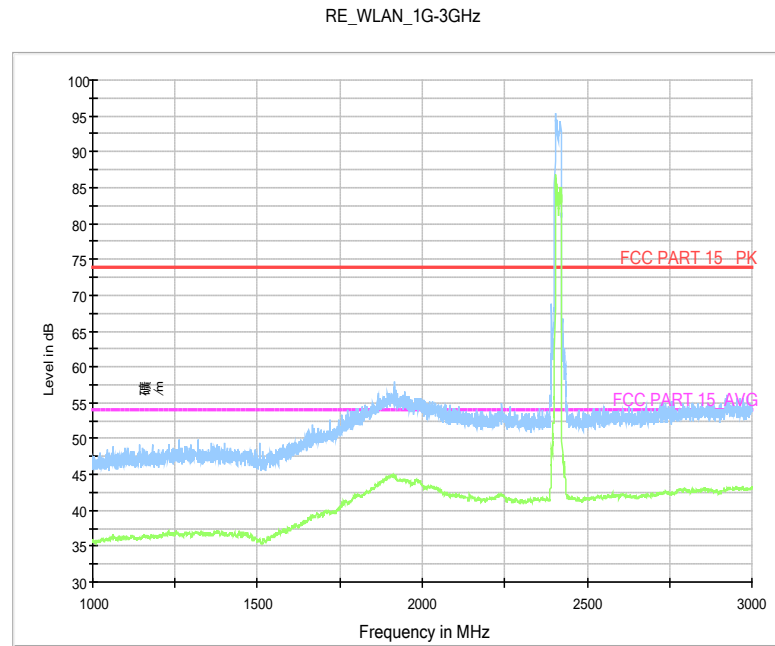


Fig.131 Radiated Spurious Emission (802.11n-20M, Ch1, 1 GHz-3 GHz)

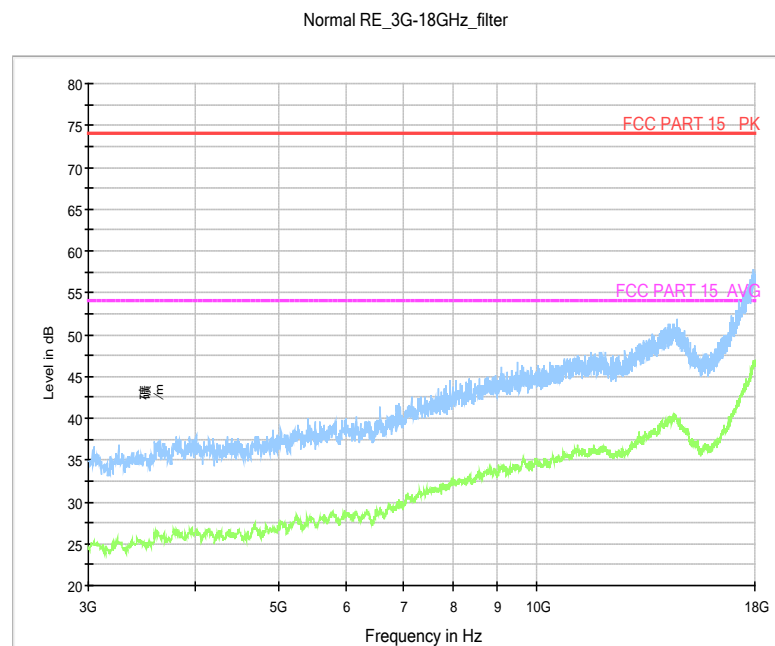


Fig.132 Radiated Spurious Emission (802.11n-20M, Ch1, 3 GHz-18 GHz)

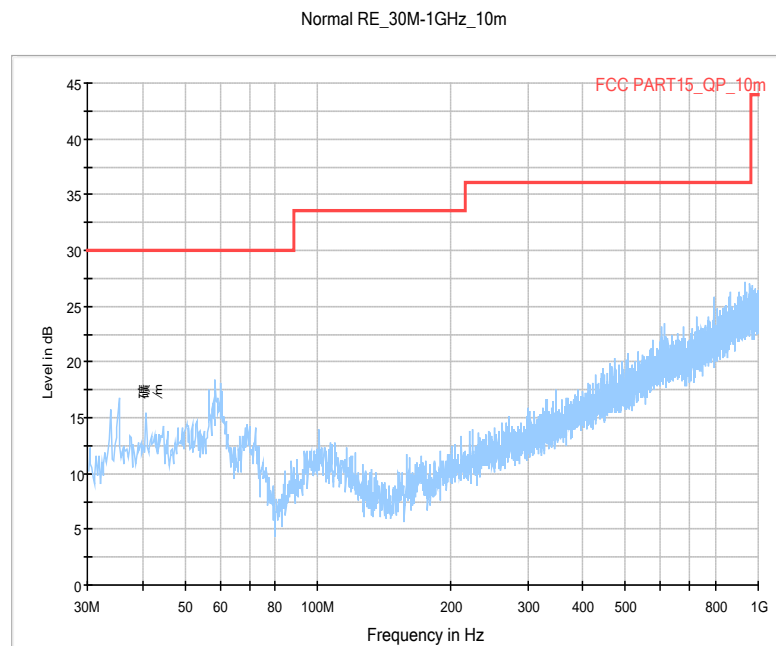


Fig.133 Radiated Spurious Emission (802.11n-20M, Ch6, 30MHz-1 GHz)

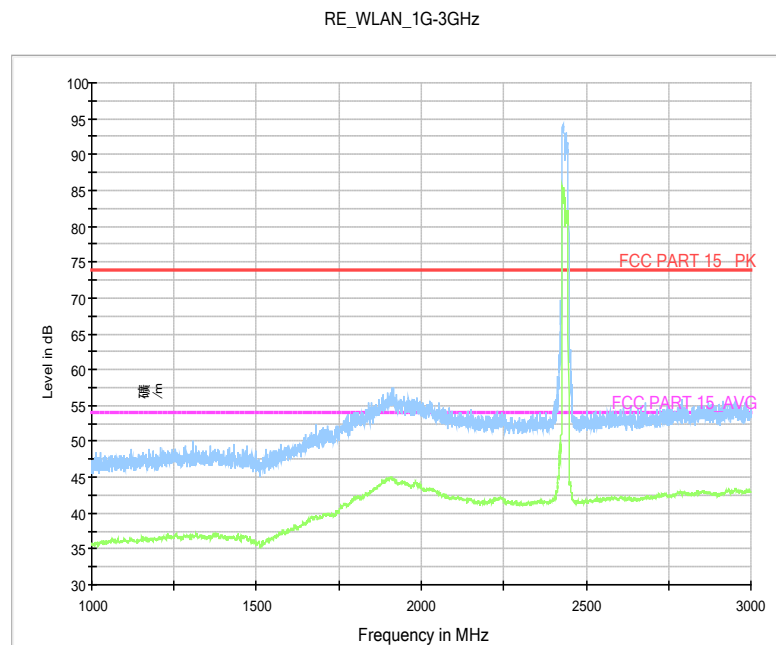


Fig.134 Radiated Spurious Emission (802.11n-20M, Ch6, 1 GHz-3 GHz)

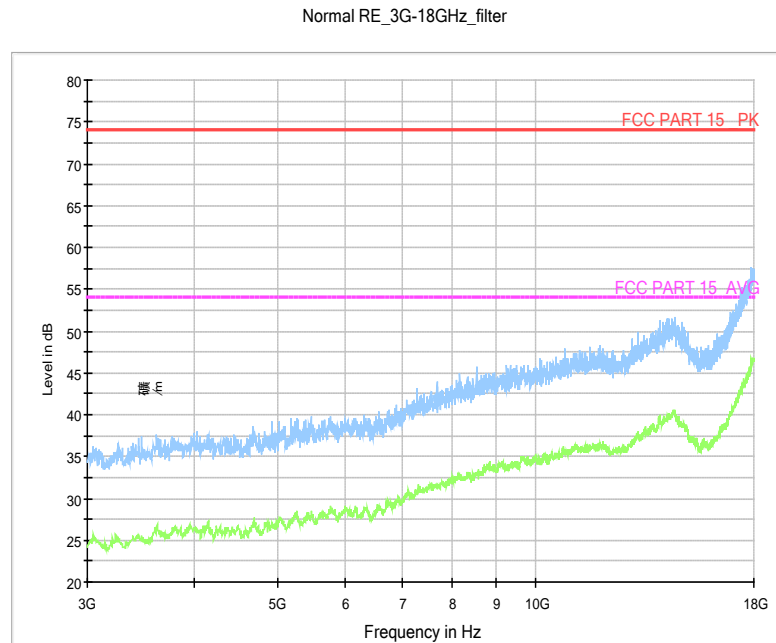


Fig.135 Radiated Spurious Emission (802.11n-20M, Ch6, 3 GHz-18 GHz)

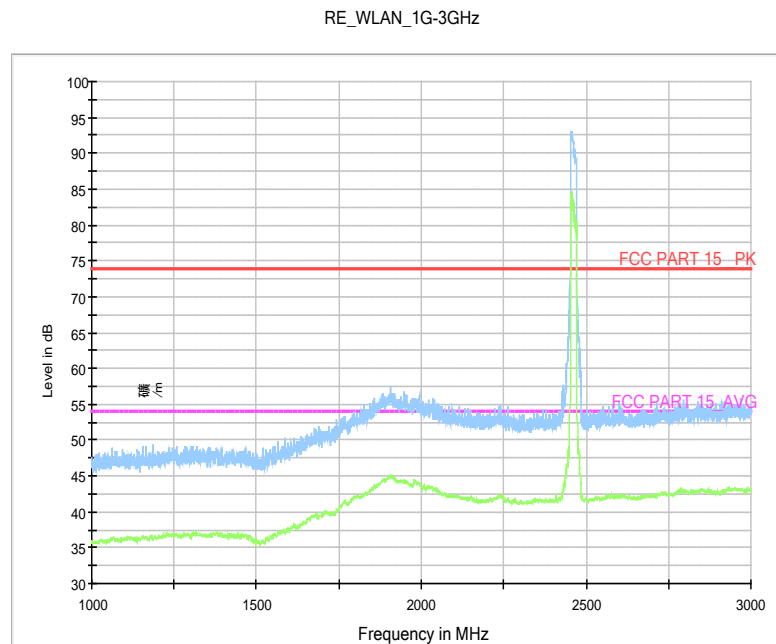


Fig.136 Radiated Spurious Emission (802.11n-20M, Ch11, 1 GHz-3 GHz)

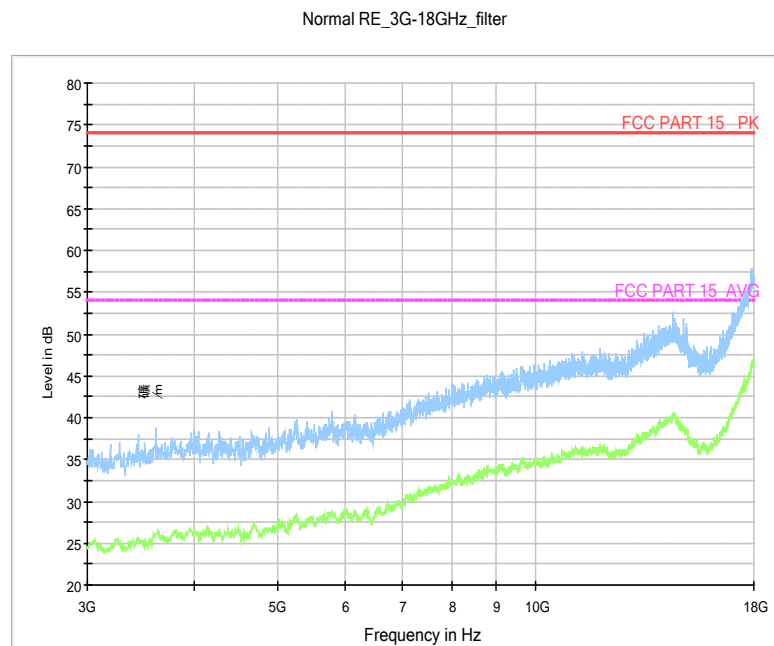


Fig.137 Radiated Spurious Emission (802.11n-20M, Ch11, 3 GHz-18 GHz)

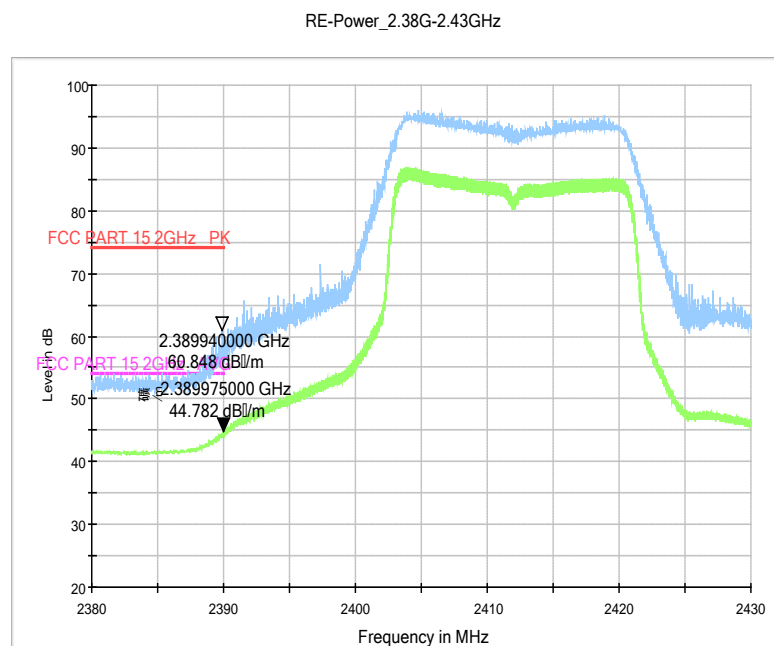


Fig.138 Radiated Emission Power (802.11n-20M, Ch1, 2380GHz~2450GHz)

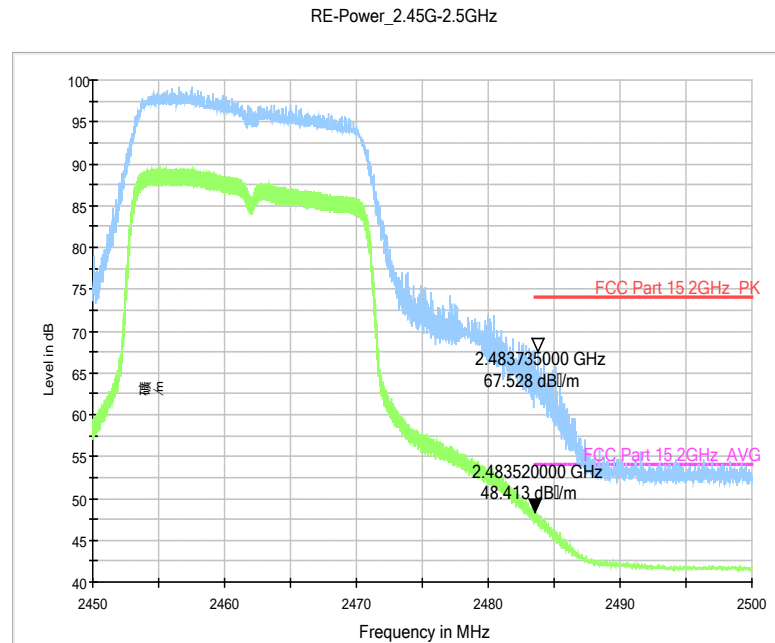


Fig.139 Radiated Emission Power (802.11n-20M, Ch11, 2450GHz~2500GHz)

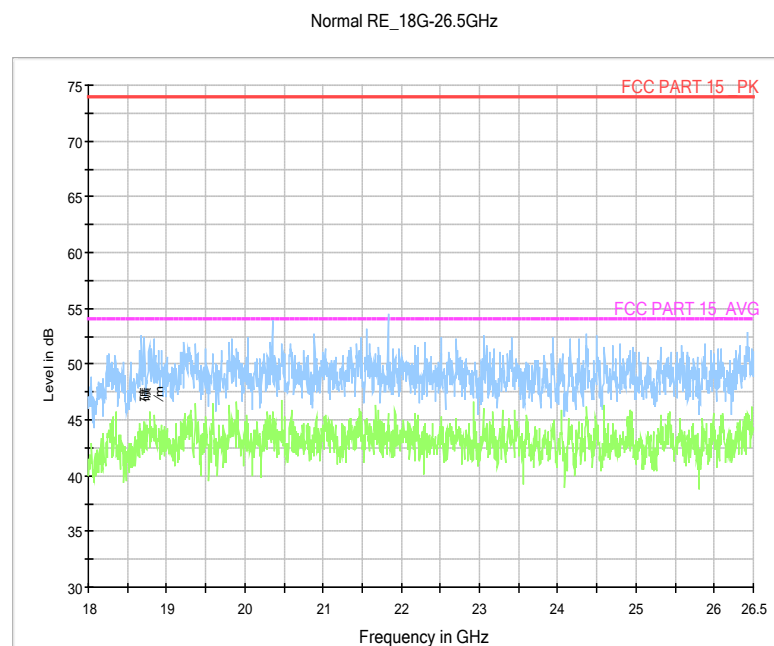


Fig.140 Radiated emission: 18 GHz – 26.5 GHz

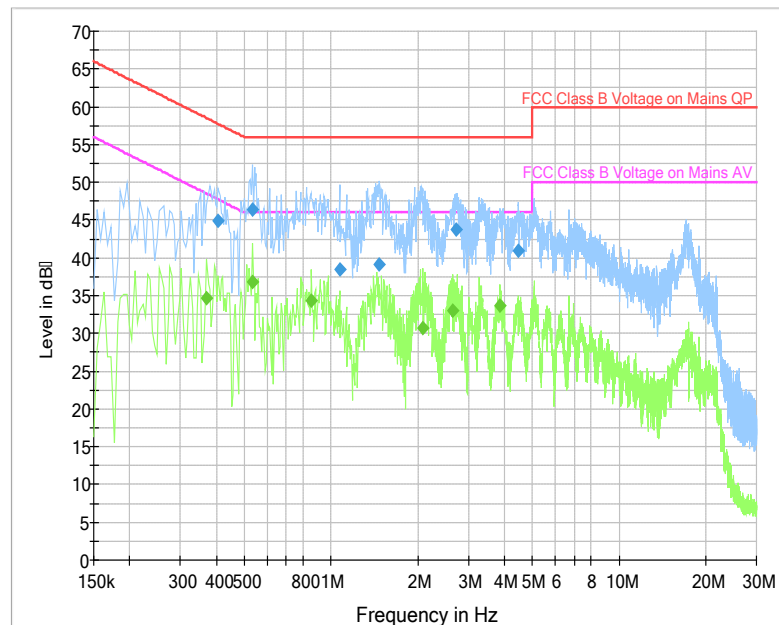


Fig.141 AC Powerline Conducted Emission (Traffic, AE1)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.406500	44.9	2000.0	9.000	On	N	19.8	12.9	57.7
0.532500	46.3	2000.0	9.000	On	N	19.8	9.7	56.0
1.072500	38.5	2000.0	9.000	On	N	19.7	17.5	56.0
1.473000	39.1	2000.0	9.000	On	N	19.7	16.9	56.0
2.715000	43.7	2000.0	9.000	On	N	19.6	12.3	56.0
4.456500	41.0	2000.0	9.000	On	N	19.7	15.0	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.370500	34.7	2000.0	9.000	On	L1	19.8	13.8	48.5
0.532500	36.9	2000.0	9.000	On	L1	19.8	9.1	46.0
0.856500	34.4	2000.0	9.000	On	N	19.8	11.6	46.0
2.080500	30.8	2000.0	9.000	On	N	19.6	15.2	46.0
2.656500	33.0	2000.0	9.000	On	N	19.7	13.0	46.0
3.853500	33.7	2000.0	9.000	On	L1	19.7	12.3	46.0

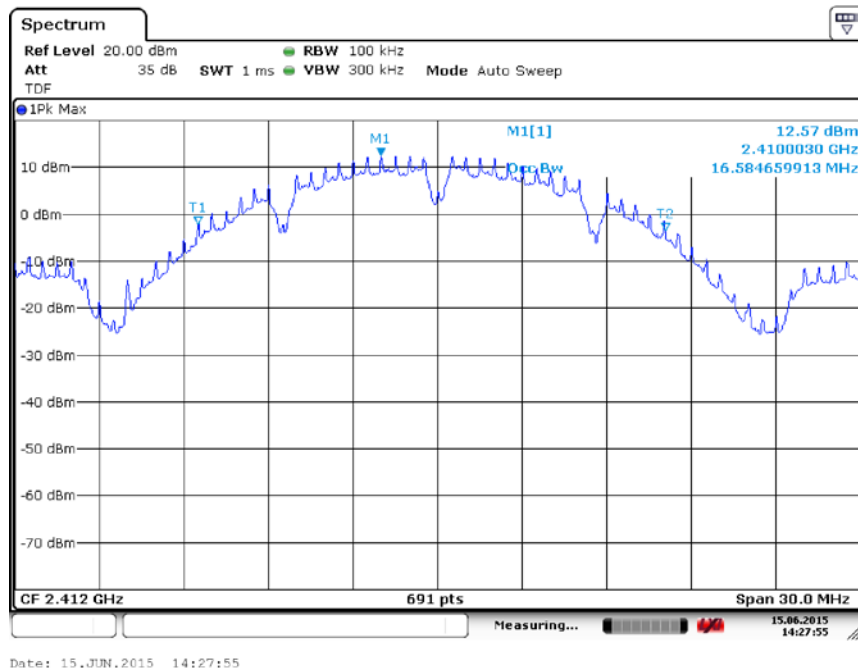


Fig.142 Occupied Bandwidth (802.11b, Ch 1)

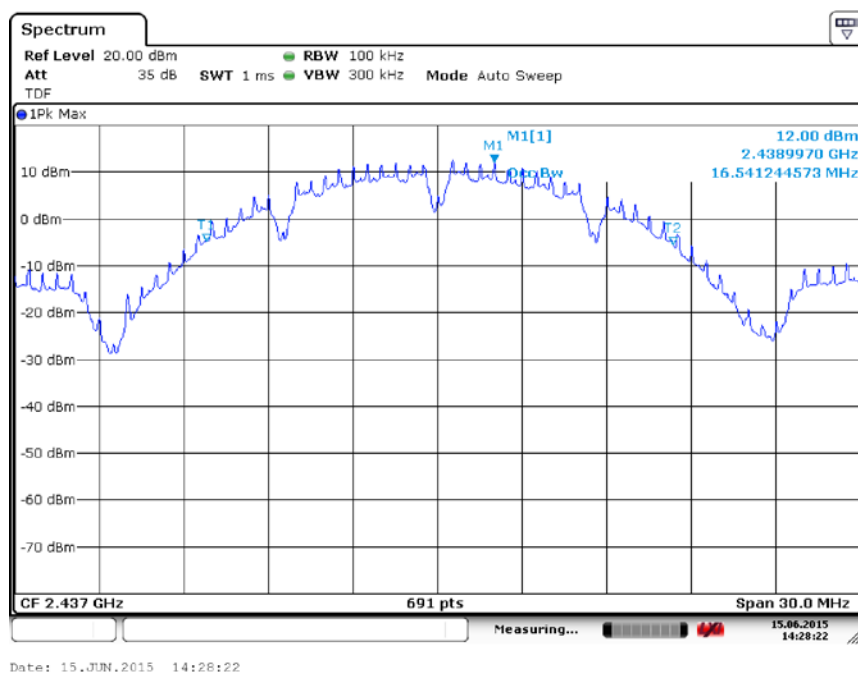


Fig.143 Occupied Bandwidth (802.11b, Ch 6)

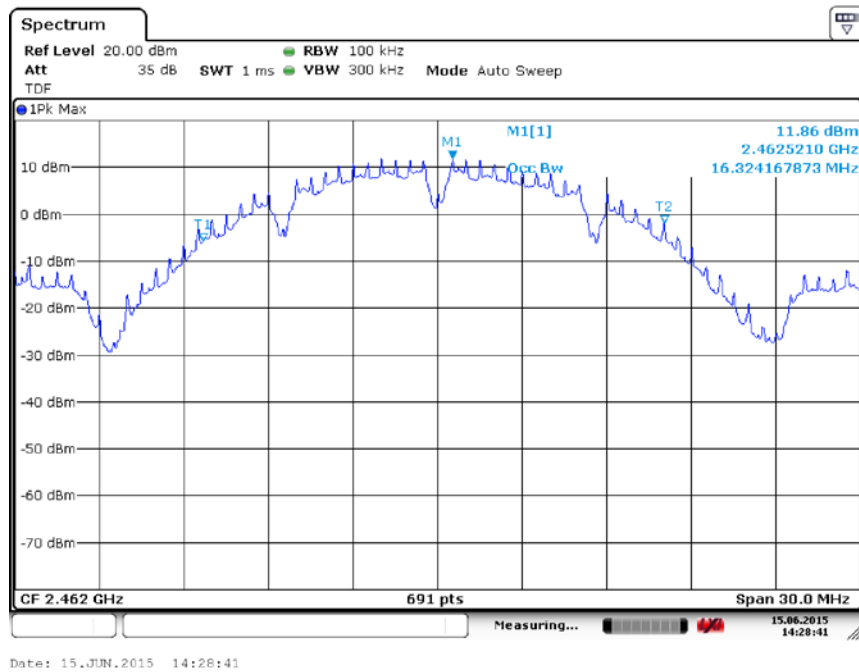


Fig.144 Occupied Bandwidth (802.11b, Ch 11)

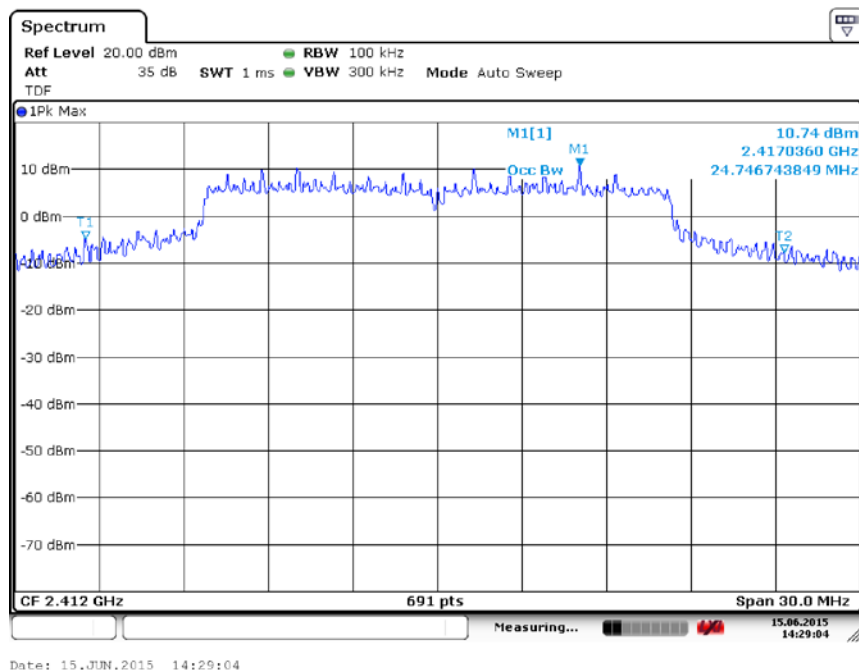


Fig.145 Occupied Bandwidth (802.11g, Ch 1)

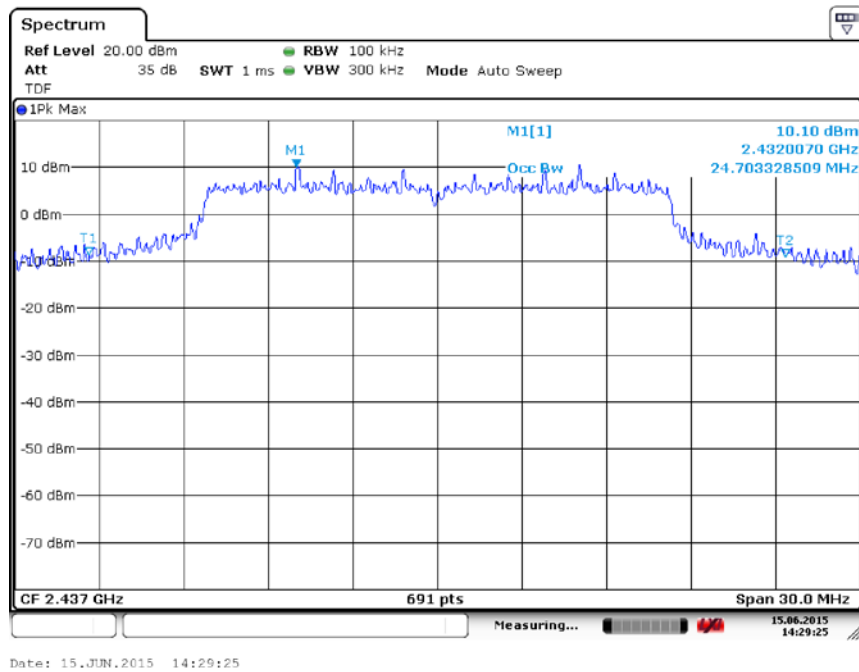


Fig.146 Occupied Bandwidth (802.11g, Ch 6)

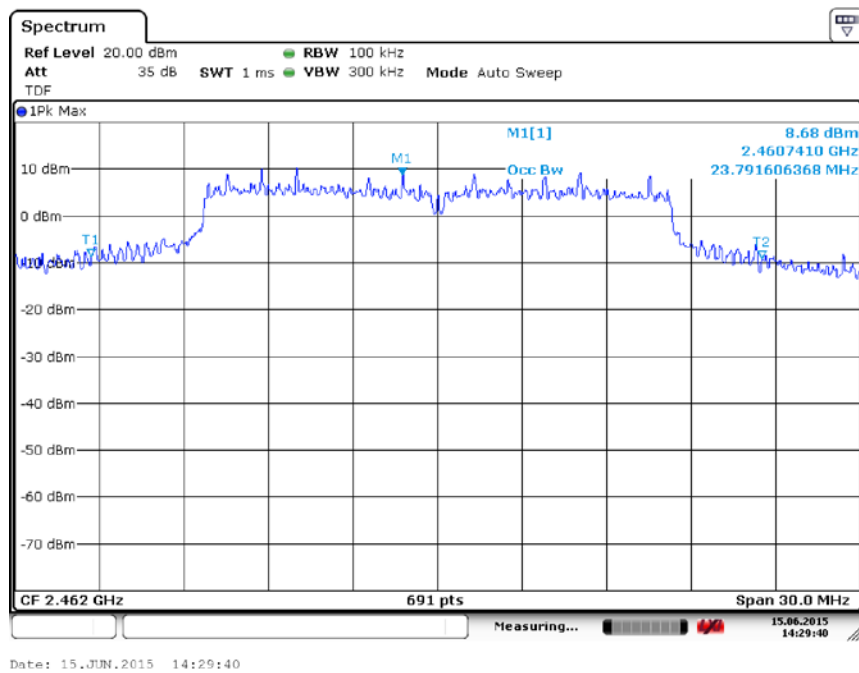


Fig.147 Occupied Bandwidth (802.11g, Ch 11)

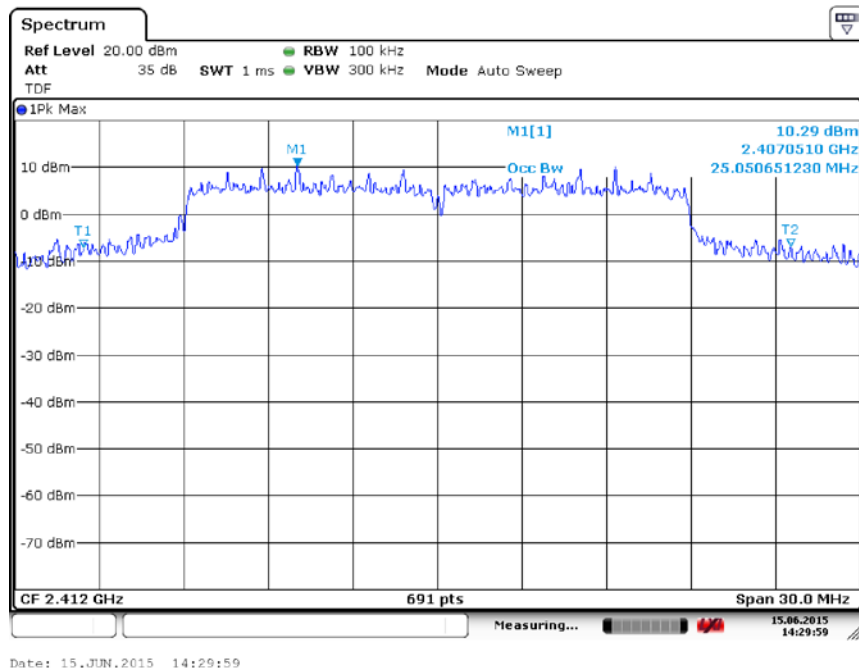


Fig.148 Occupied Bandwidth (802.11n, Ch 1)

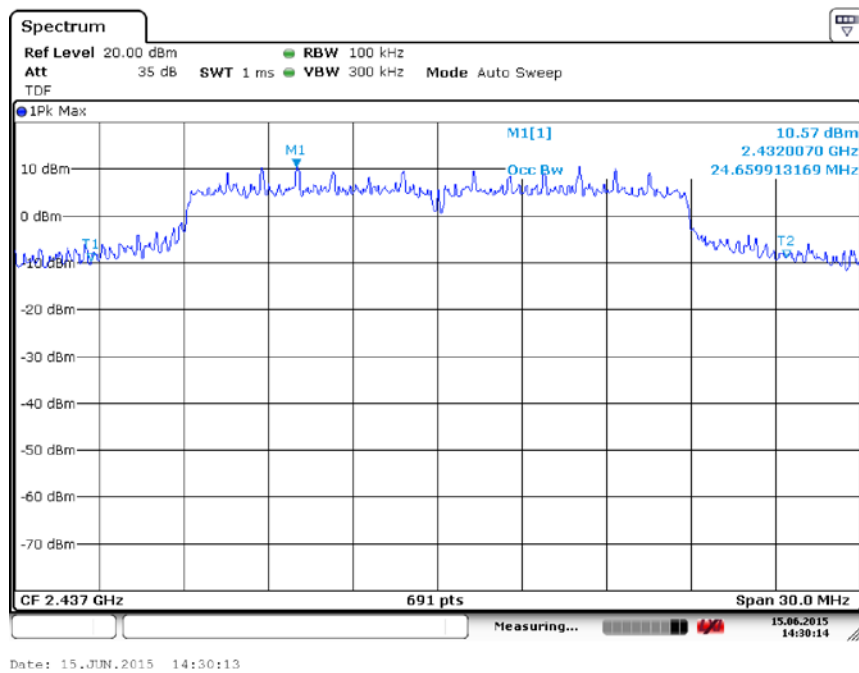


Fig.149 Occupied Bandwidth (802.11n, Ch 6)

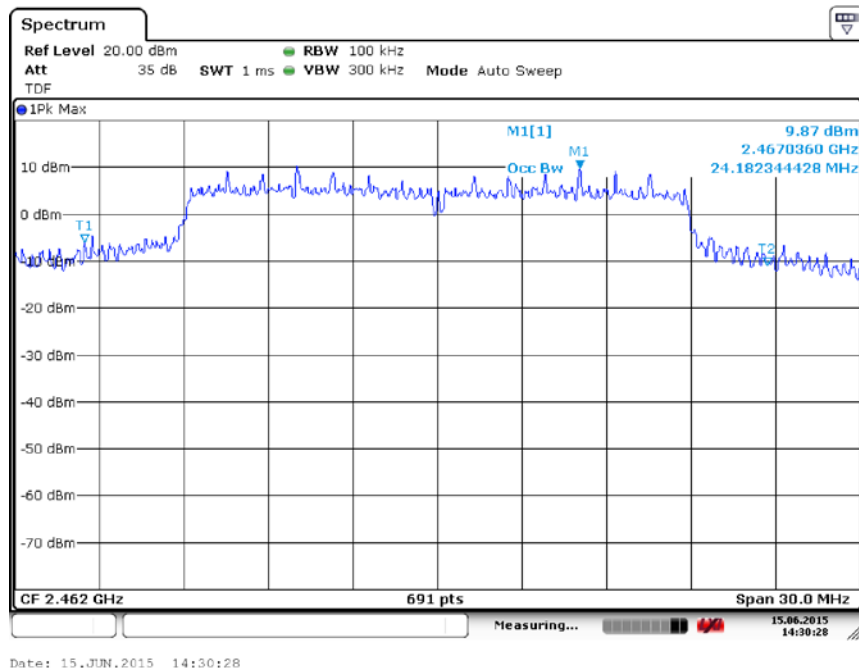



Fig.150 Occupied Bandwidth (802.11n, Ch 11)

ANNEX D: Persons involved in this testing

Test Name	Tester
Maximum Peak Output Power	Xu Zhongfei, Li Zhibin
Peak Power Spectral Density	Xu Zhongfei, Li Zhibin
Occupied 6dB Bandwidth	Xu Zhongfei, Li Zhibin
Band Edges Compliance	Xu Zhongfei, Li Zhibin
Transmitter Spurious Emission - Conducted	Xu Zhongfei, Li Zhibin
Transmitter Spurious Emission - Radiated	Xu Zhongfei, Li Zhibin
AC Powerline Conducted Emission	Xu Zhongfei, Li Zhibin
Occupied Bandwidth	Xu Zhongfei, Li Zhibin

ANNEX E: Accreditation Certificate

 
China National Accreditation Service for Conformity Assessment
LABORATORY ACCREDITATION CERTIFICATE
(Registration No. CNAS L0570)
China Academy of Telecommunication Research of MIIT <u>No.52, Huayuan North Road, Haidian District, Beijing, China</u>
<i>is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence of testing and calibration.</i>
<i>The scope of accreditation is detailed in the attached appendices bearing the same registration number as above. The appendices form an integral part of this certificate.</i>
Date of Issue: 2014-06-20 Date of Expiry: 2017-06-19 Date of Initial Accreditation: 1998-07-03 Date of Update: 2014-06-20

Signed on behalf of China National Accreditation Service for Conformity Assessment
<small>China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is the signatory to International Laboratory Accreditation Cooperation Multilateral Recognition Arrangement (ILAC MRA) and Asia Pacific Laboratory Accreditation Cooperation Multilateral Recognition Arrangement (APLAC MRA).</small>
No.CNAS AL 2 0010037

END OF REPORT