

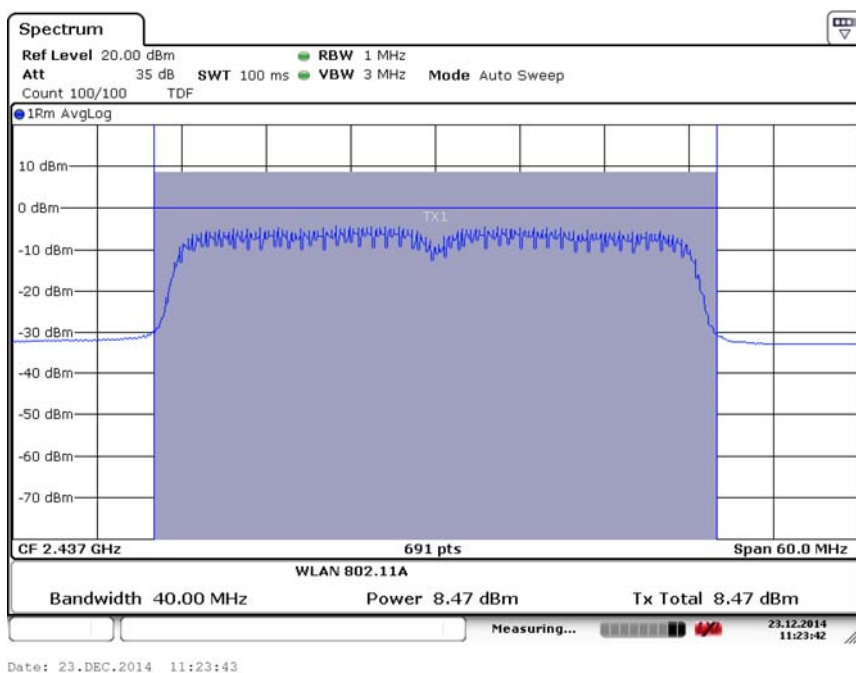


Fig.65 Maximum Average Output Power (802.11n- 40MHz,Ch6,MCS1)

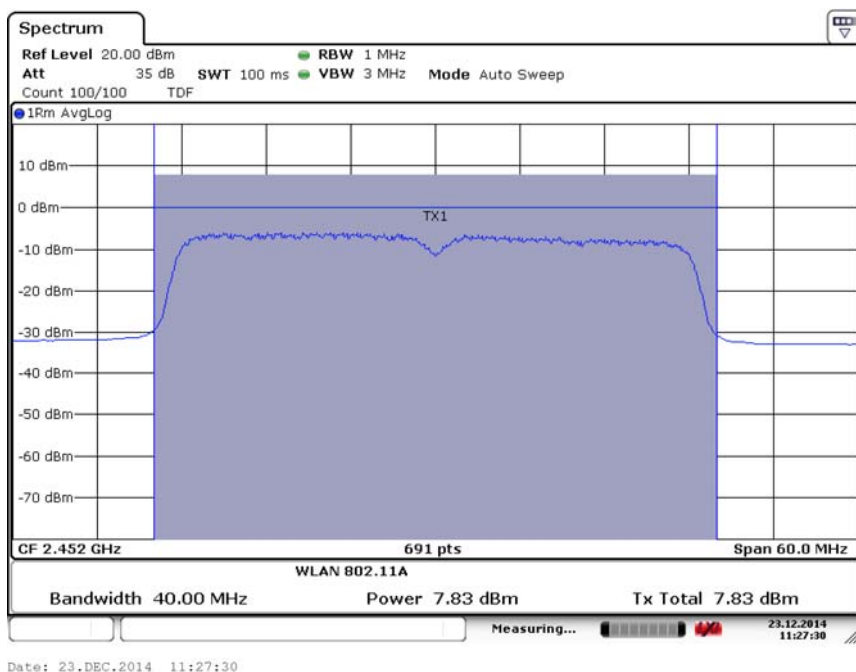


Fig.66 Maximum Average Output Power (802.11n- 40MHz,Ch9,MCS1)

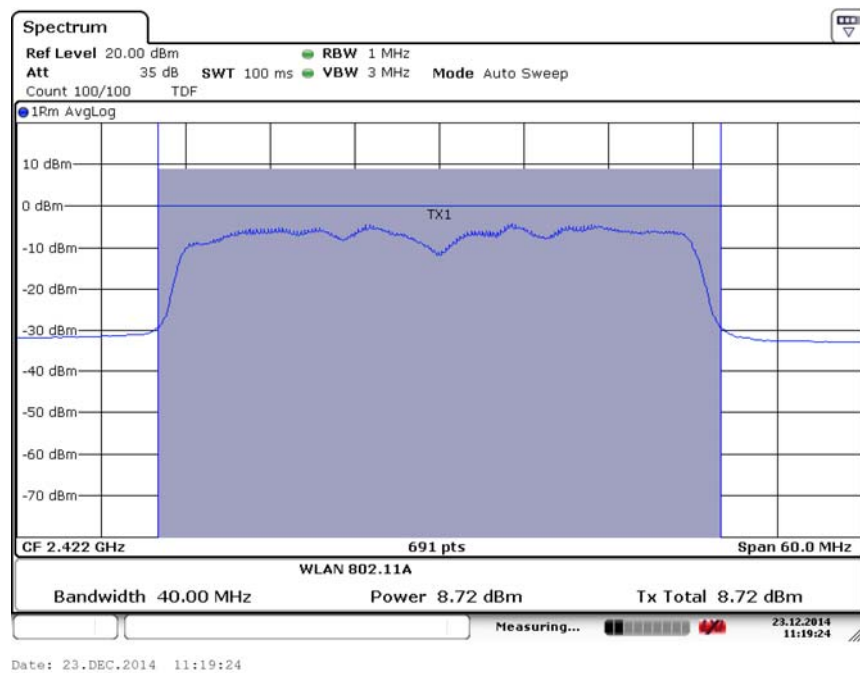


Fig.67 Maximum Average Output Power (802.11n- 40MHz,Ch3,MCS2)

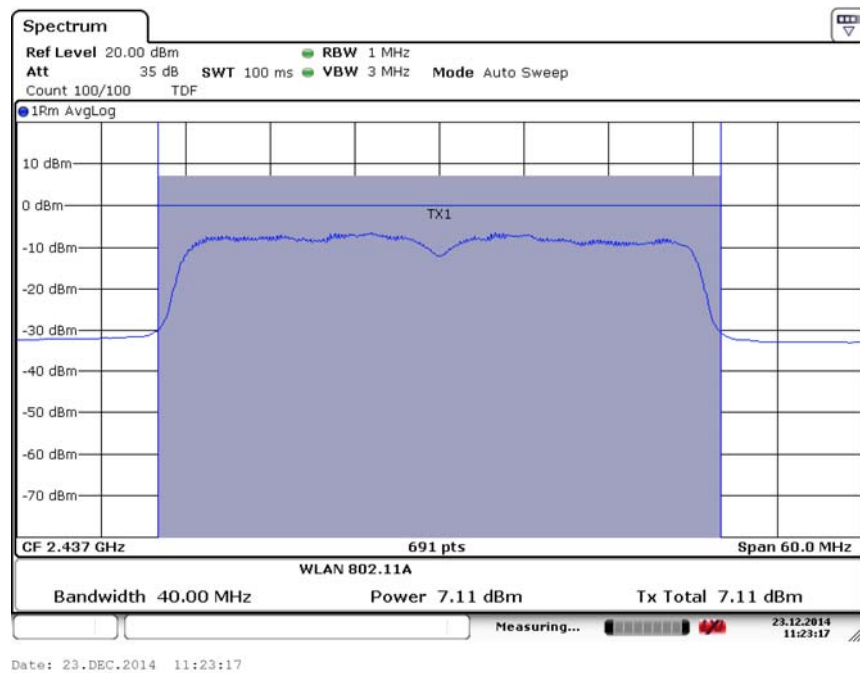


Fig.68 Maximum Average Output Power (802.11n- 40MHz,Ch6,MCS2)

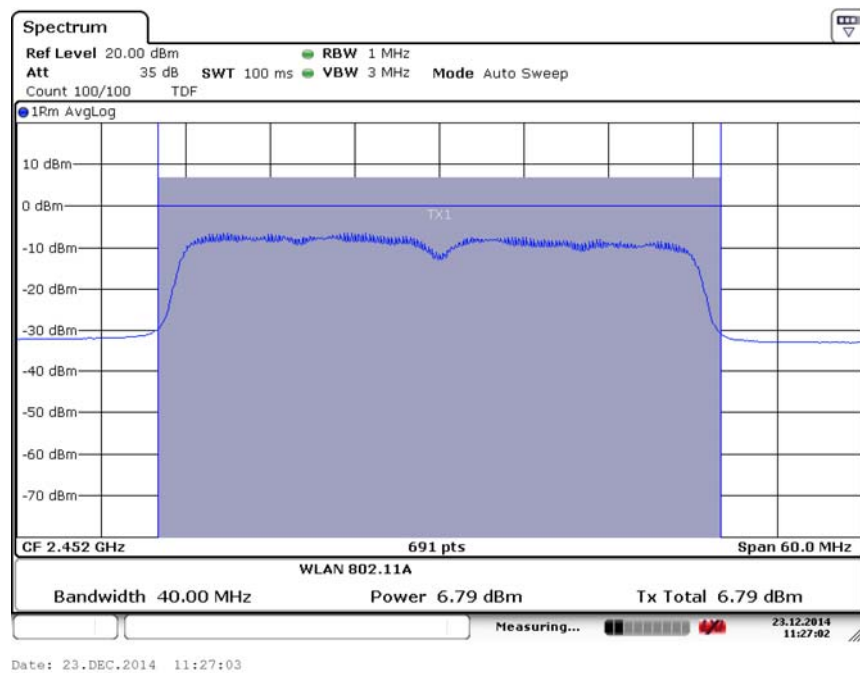


Fig.69 Maximum Average Output Power (802.11n- 40MHz,Ch9,MCS2)

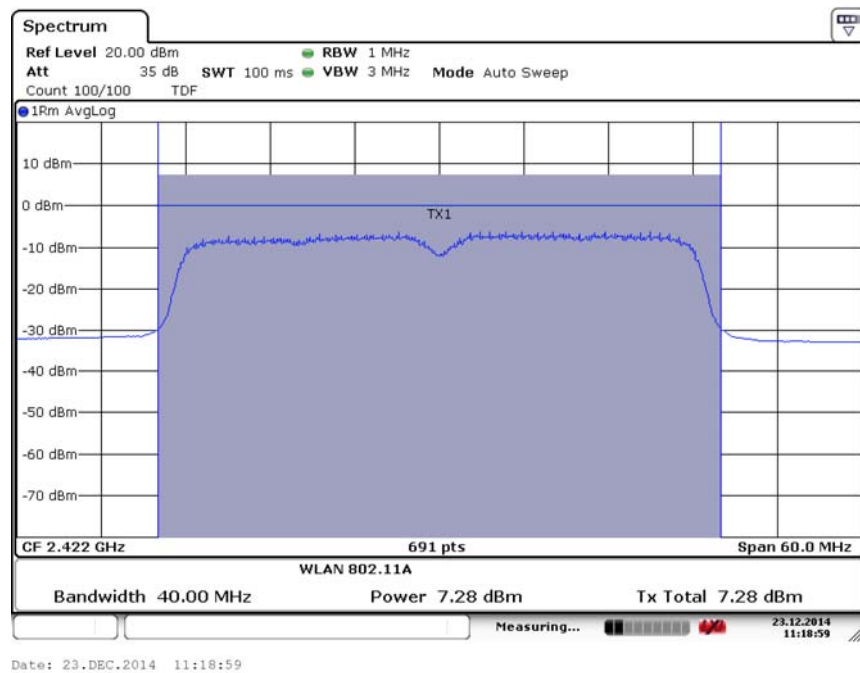


Fig.70 Maximum Average Output Power (802.11n- 40MHz,Ch3,MCS3)

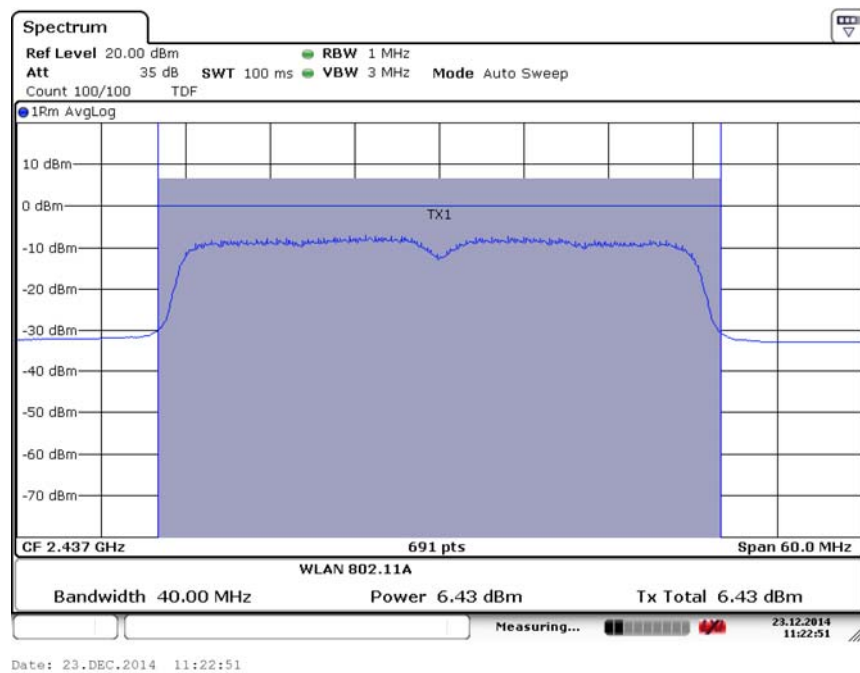


Fig.71 Maximum Average Output Power (802.11n- 40MHz,Ch6,MCS3)

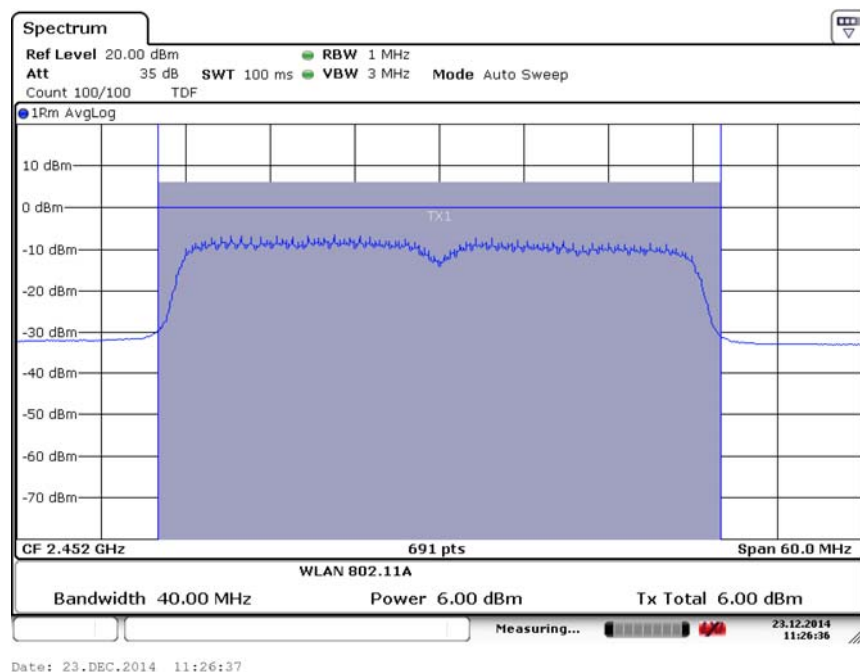


Fig.72 Maximum Average Output Power (802.11n- 40MHz,Ch9,MCS3)

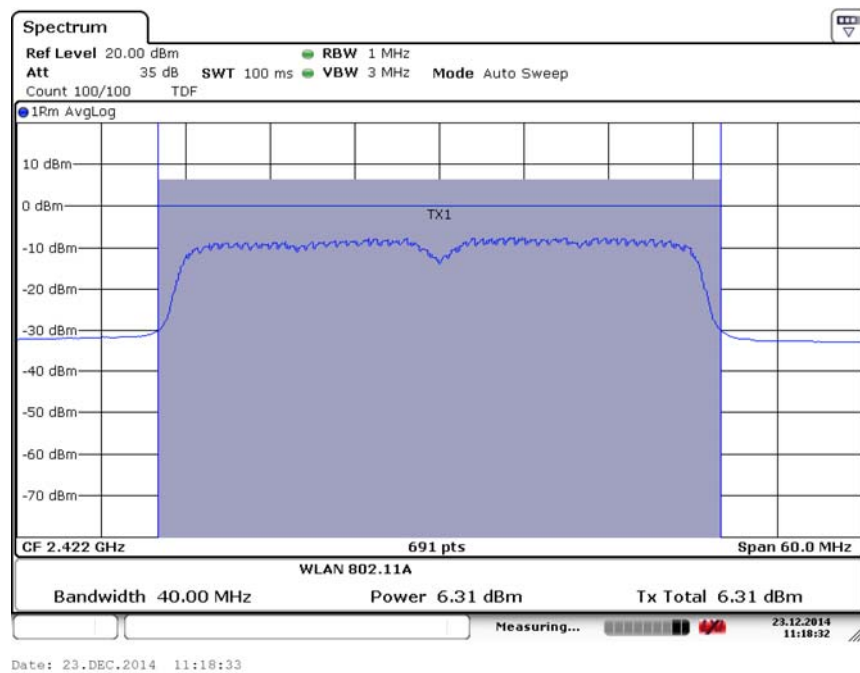


Fig.73 Maximum Average Output Power (802.11n- 40MHz,Ch3,MCS4)

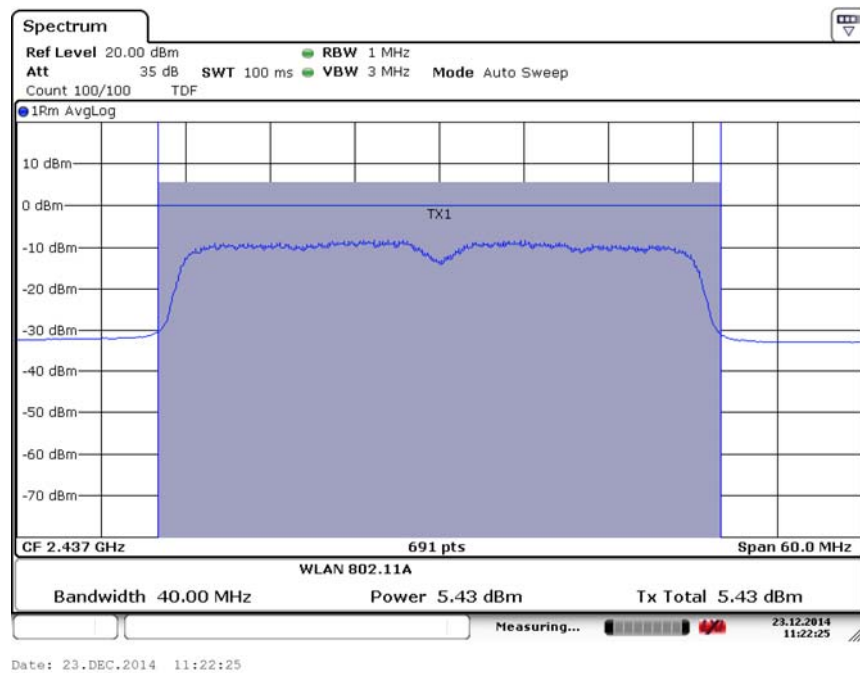


Fig.74 Maximum Average Output Power (802.11n- 40MHz,Ch6,MCS4)

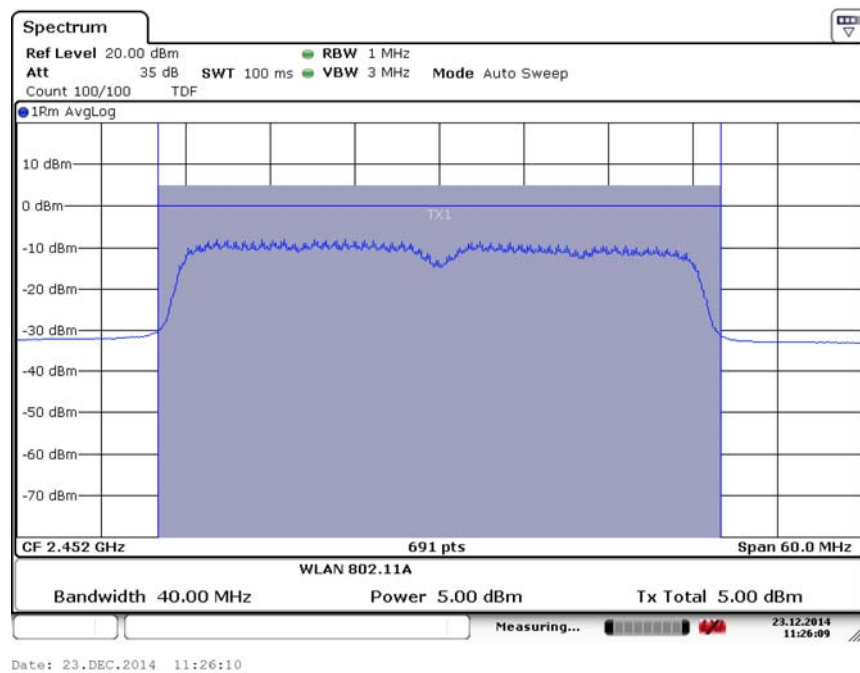


Fig.75 Maximum Average Output Power (802.11n- 40MHz,Ch9,MCS4)

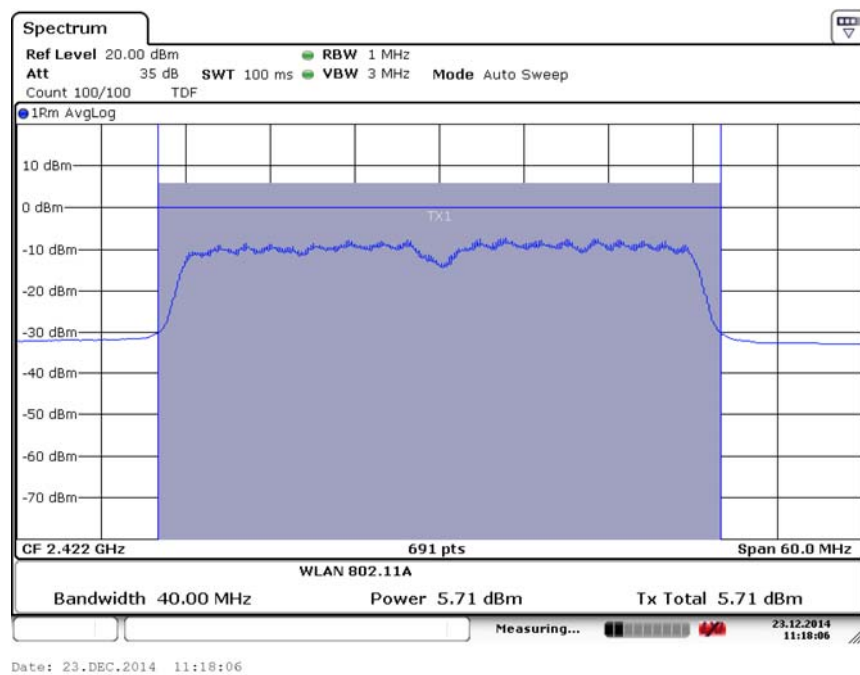


Fig.76 Maximum Average Output Power (802.11n- 40MHz,Ch3,MCS5)

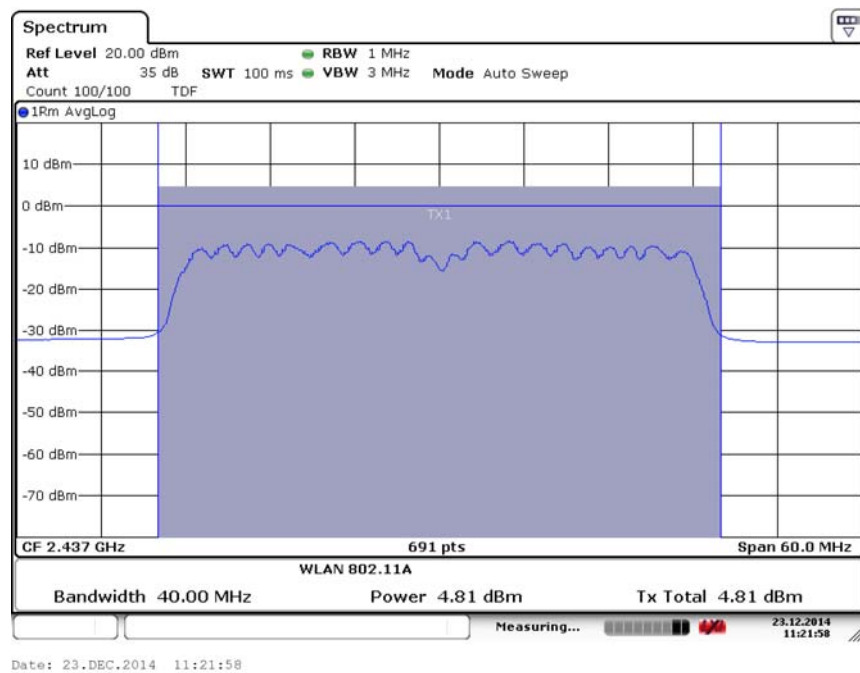


Fig.77 Maximum Average Output Power (802.11n- 40MHz,Ch6,MCS5)

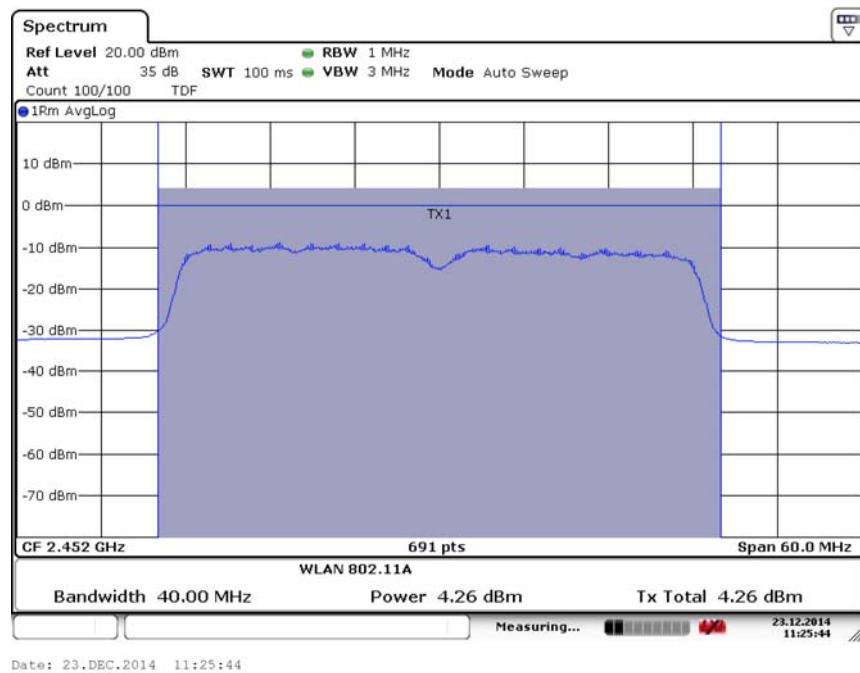


Fig.78 Maximum Average Output Power (802.11n- 40MHz,Ch9,MCS5)

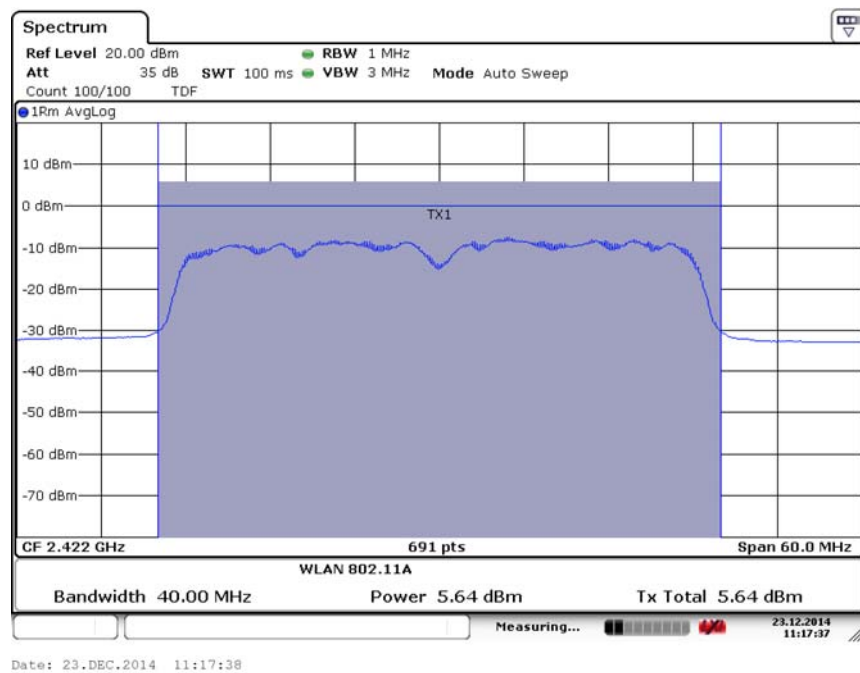


Fig.79 Maximum Average Output Power (802.11n- 40MHz,Ch3,MCS6)

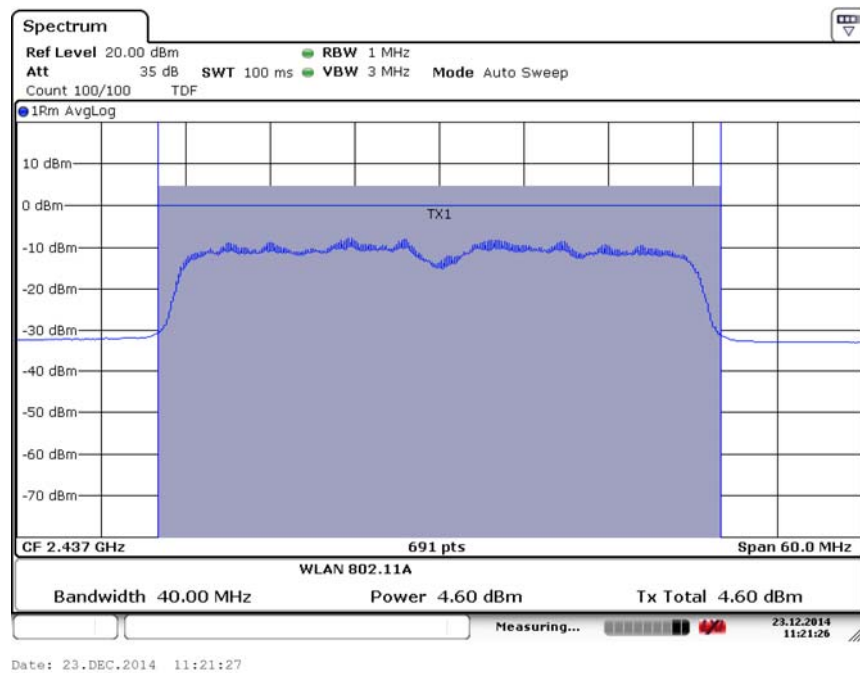


Fig.80 Maximum Average Output Power (802.11n- 40MHz,Ch6,MCS6)

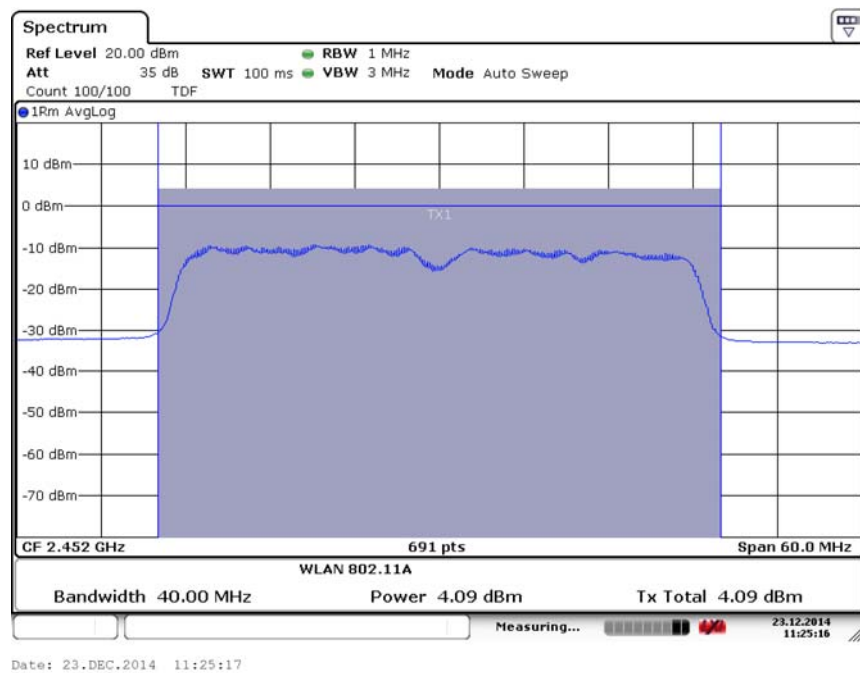


Fig.81 Maximum Average Output Power (802.11n- 40MHz,Ch9,MCS6)

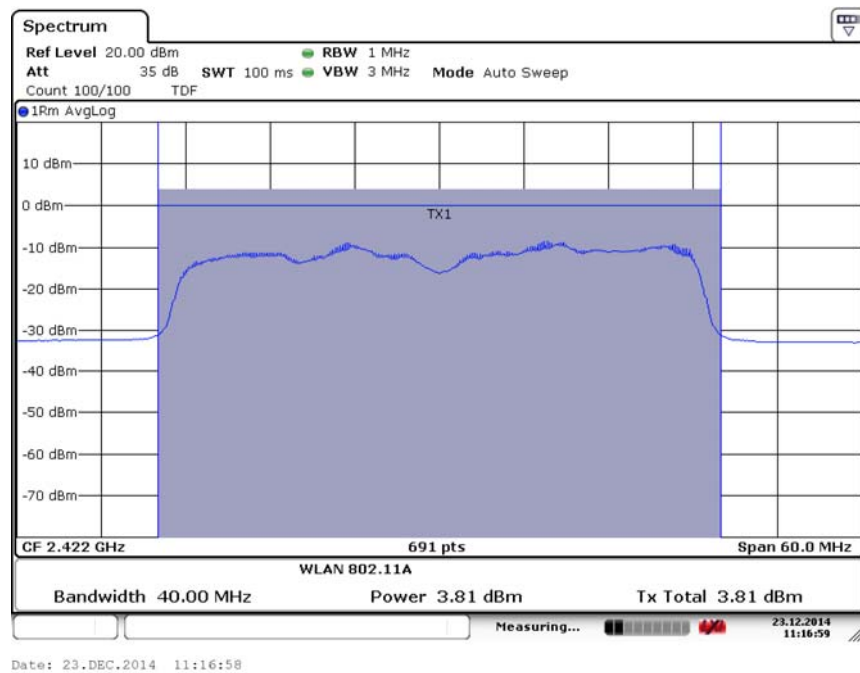


Fig.82 Maximum Average Output Power (802.11n- 40MHz,Ch3,MCS7)

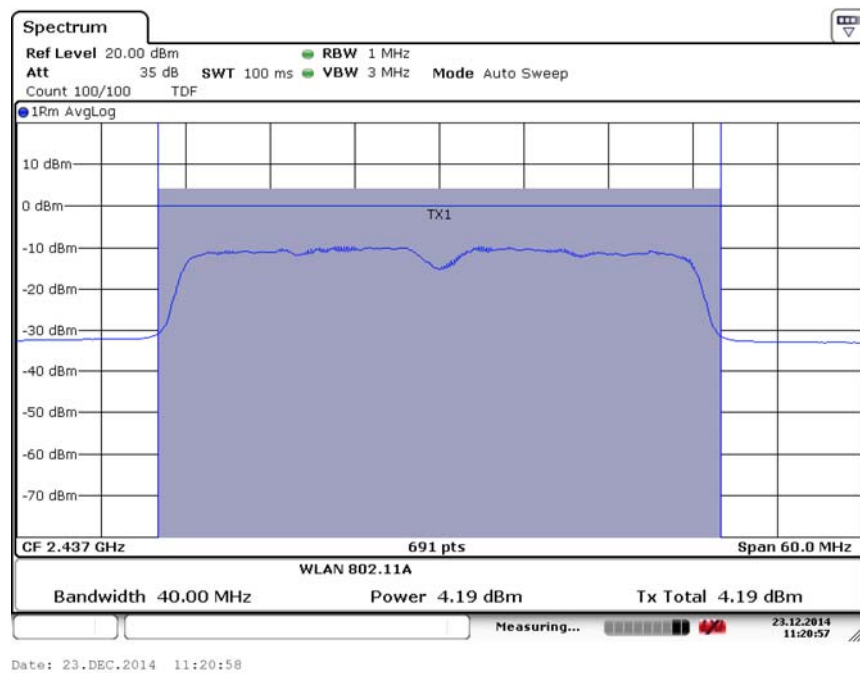


Fig.83 Maximum Average Output Power (802.11n- 40MHz,Ch6,MCS7)

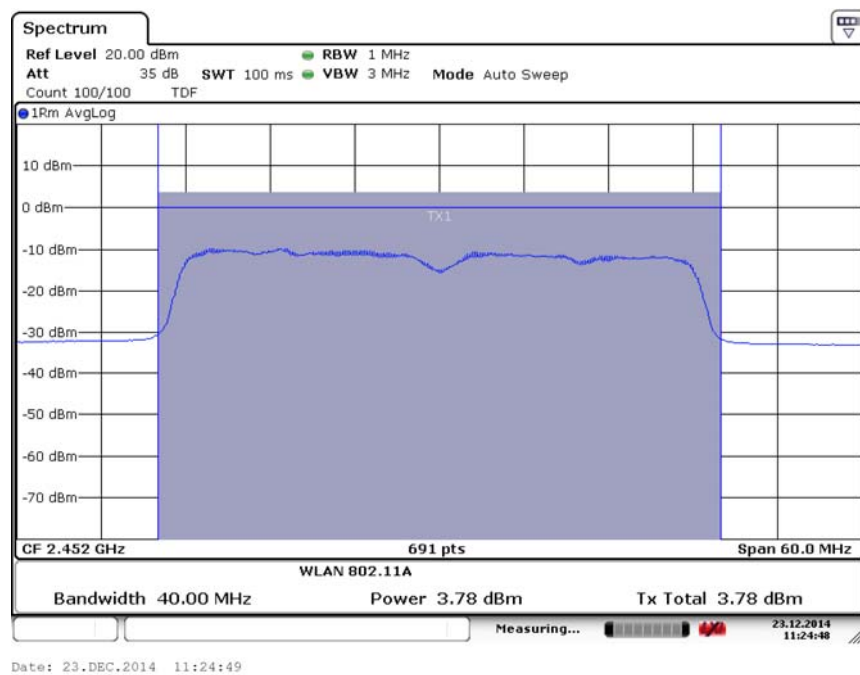


Fig.84 Maximum Average Output Power (802.11n- 40MHz,Ch9,MCS7)

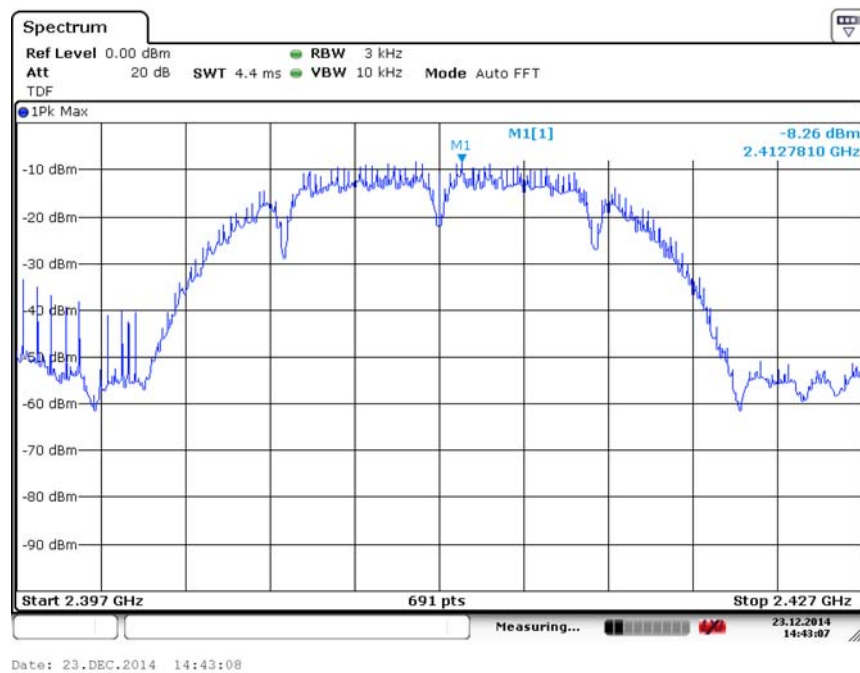


Fig.85 Power Spectral Density (802.11b, Ch 1)

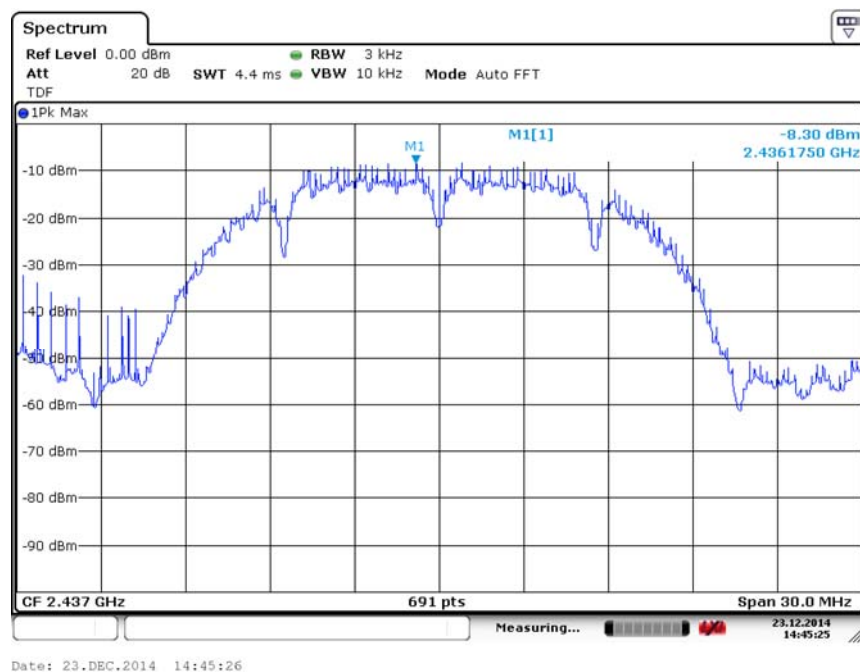


Fig.86 Power Spectral Density (802.11b, Ch 6)

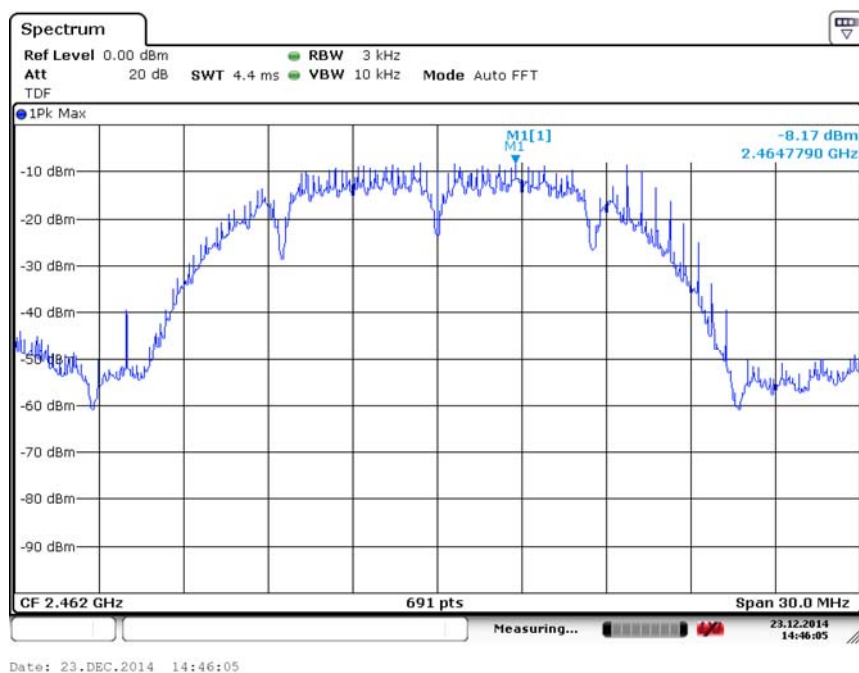


Fig.87 Power Spectral Density (802.11b, Ch 11)

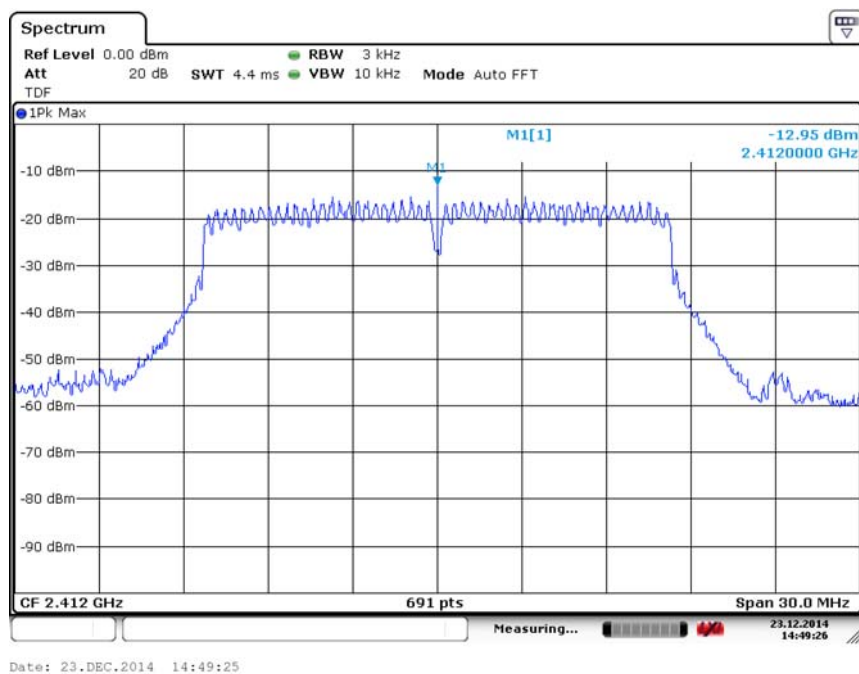


Fig.88 Power Spectral Density (802.11g, Ch 1)

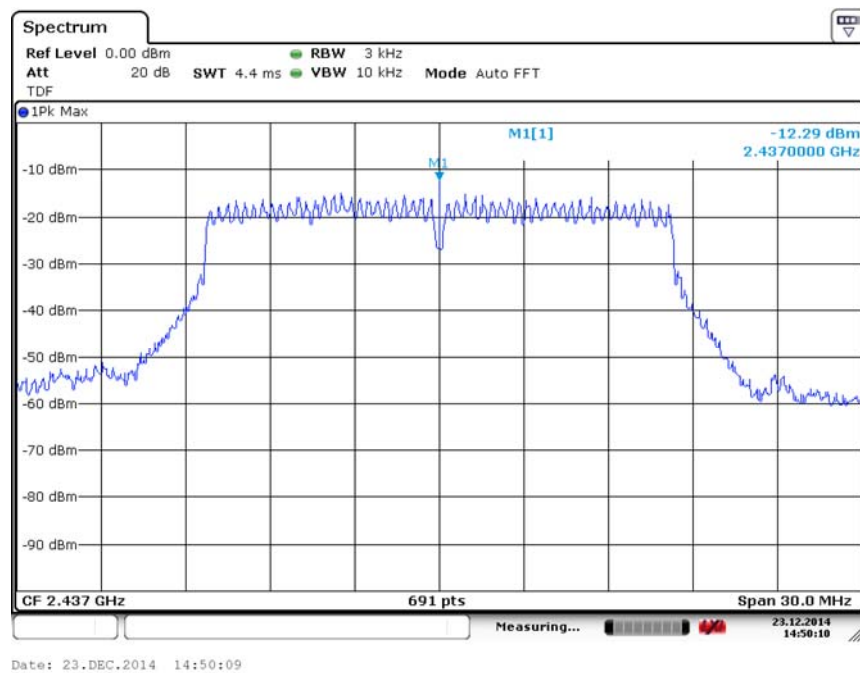


Fig.89 Power Spectral Density (802.11g, Ch 6)

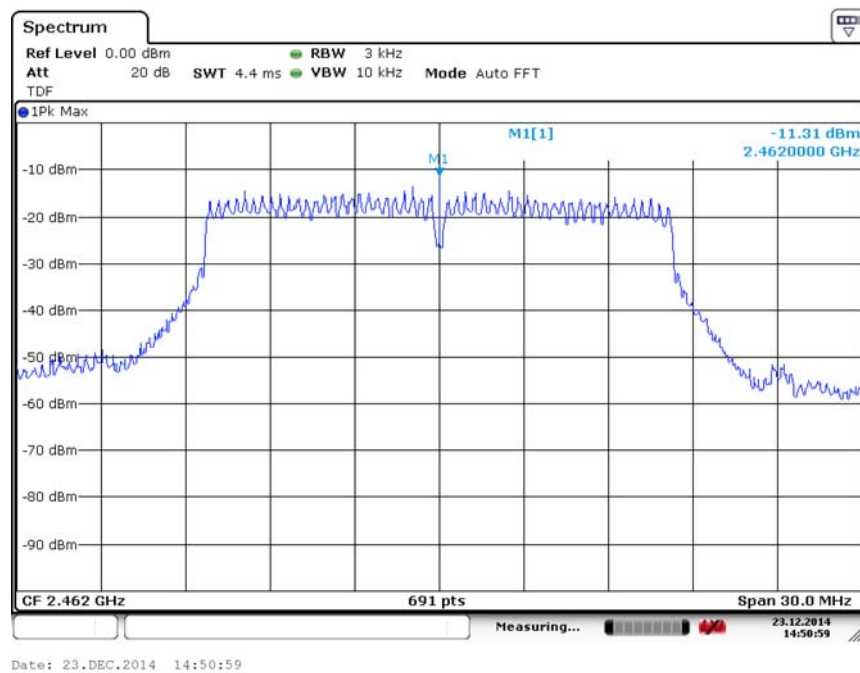


Fig.90 Power Spectral Density (802.11g, Ch 11)

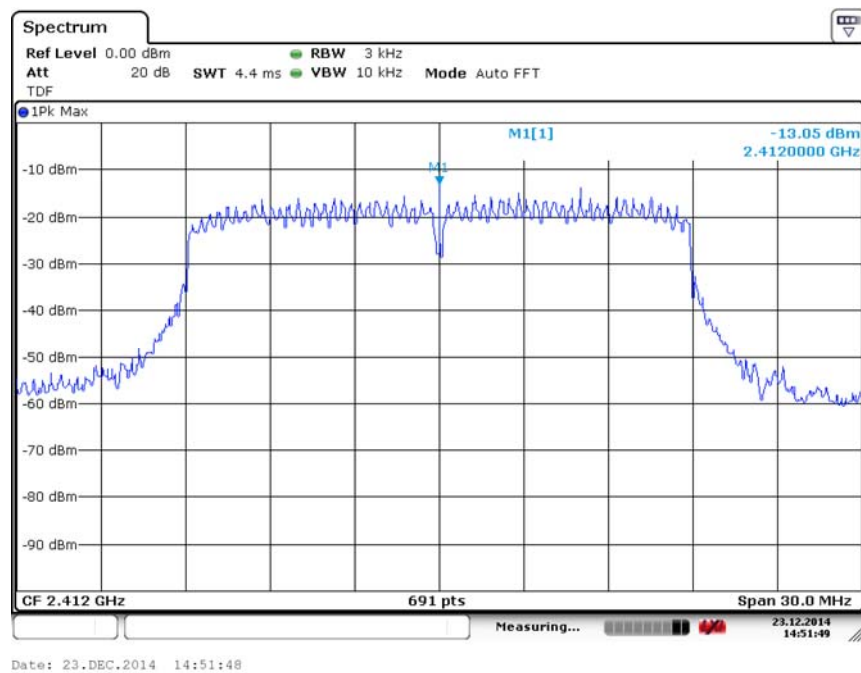


Fig.91 Power Spectral Density (802.11n-20MHz, Ch 1)

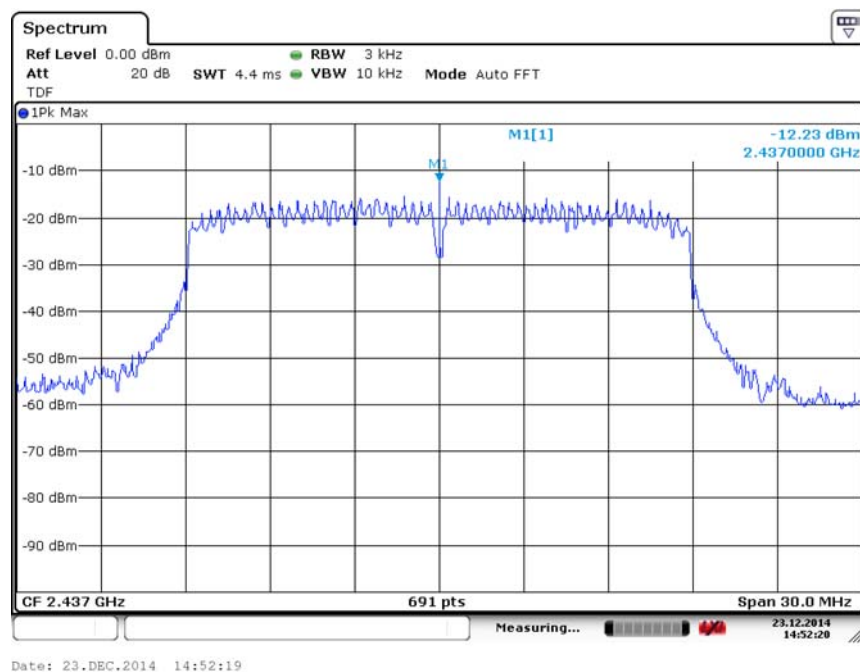


Fig.92 Power Spectral Density (802.11n-20MHz, Ch 6)

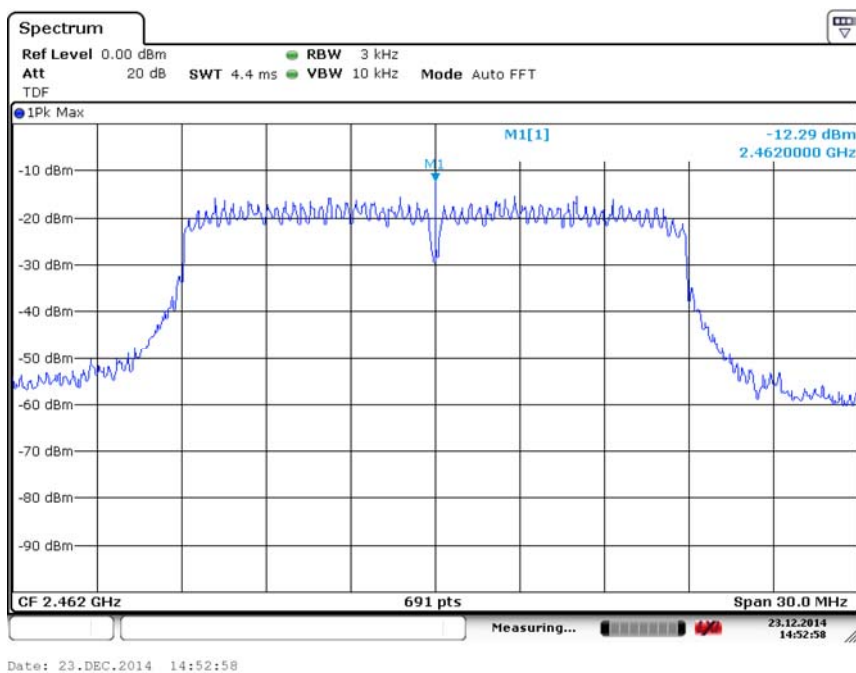


Fig.93 Power Spectral Density (802.11n-20MHz, Ch 11)

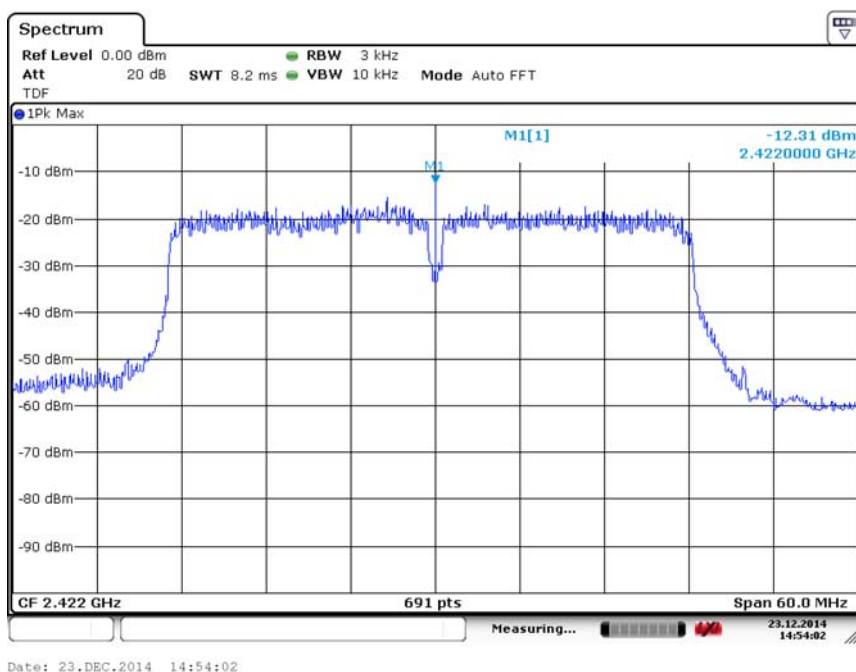


Fig.94 Power Spectral Density (802.11n-40MHz, Ch 3)

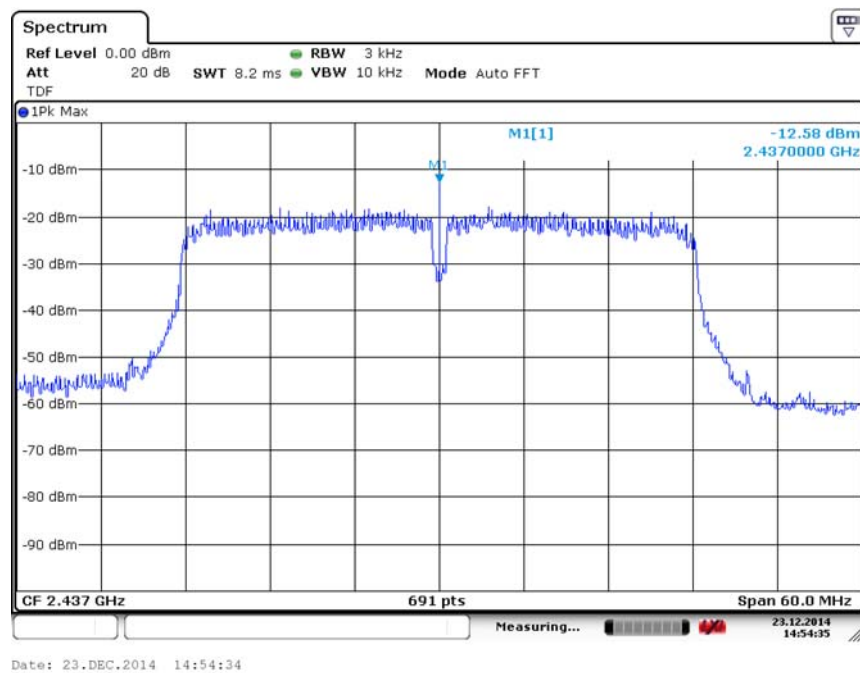


Fig.95 Power Spectral Density (802.11n-40MHz, Ch 6)

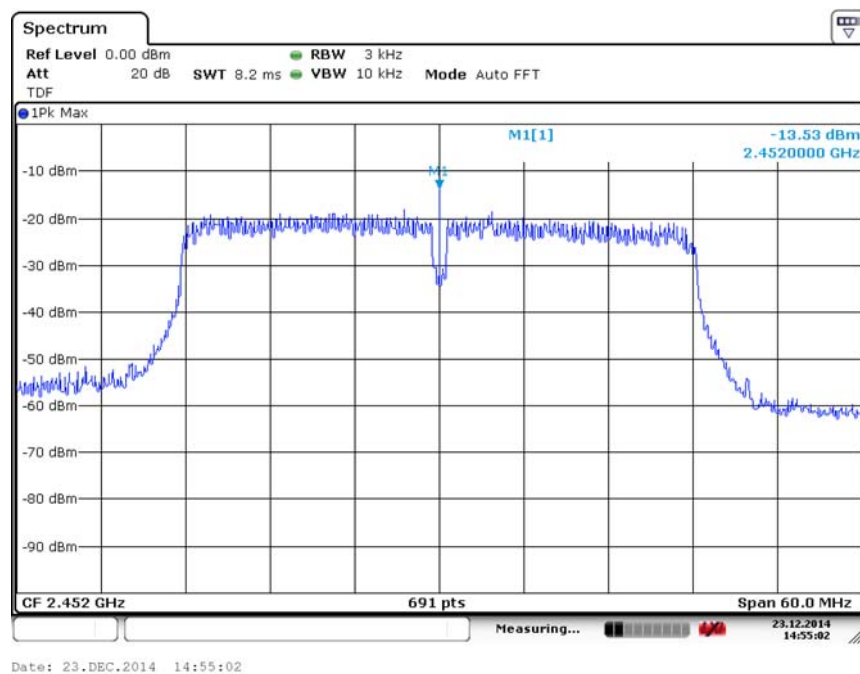


Fig.96 Power Spectral Density (802.11n-40MHz, Ch 9)

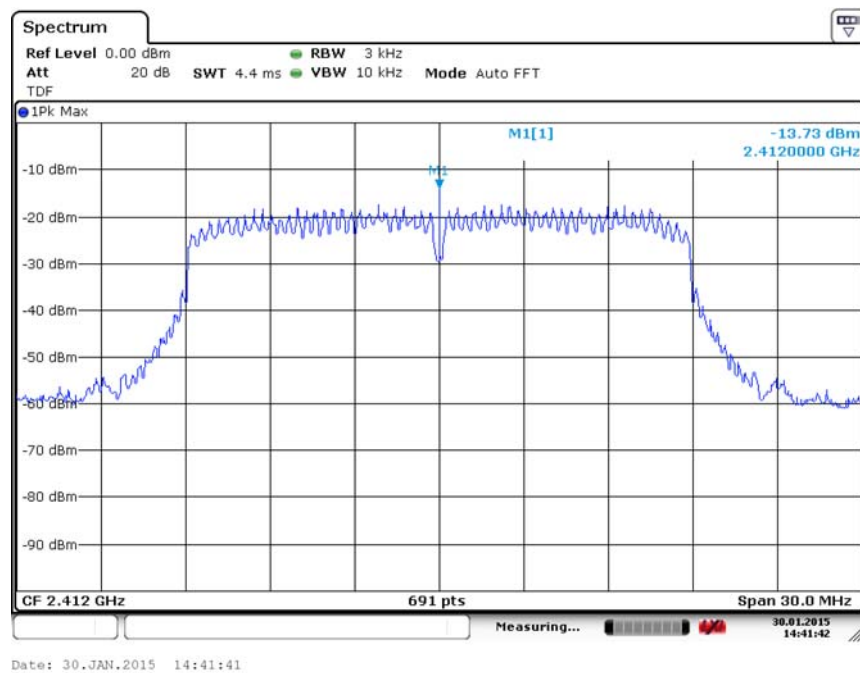


Fig.97 Power Spectral Density (802.11n-20MHz, Antenna 1,Ch 1)

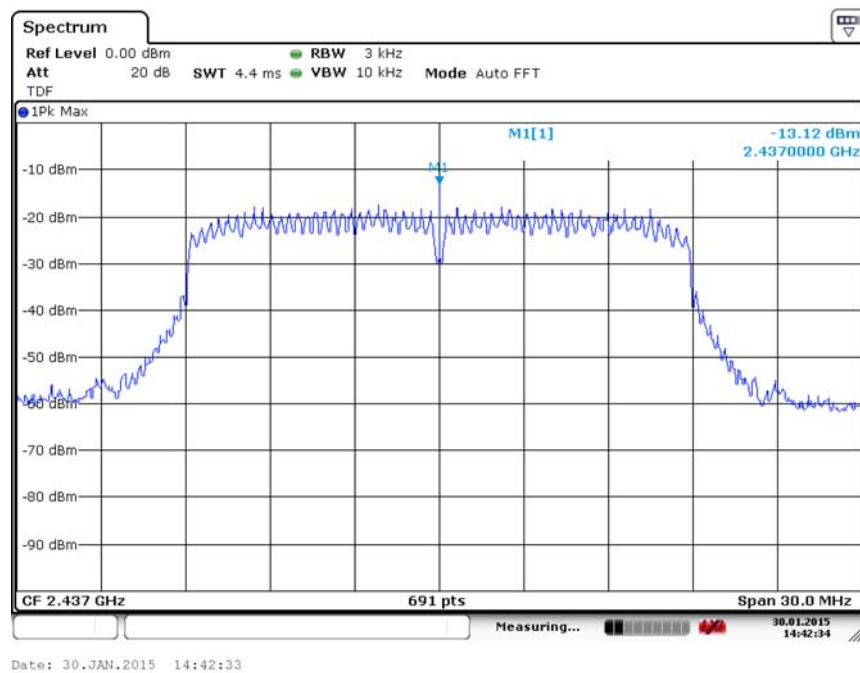


Fig.98 Power Spectral Density (802.11n-20MHz, Antenna 1,Ch 6)

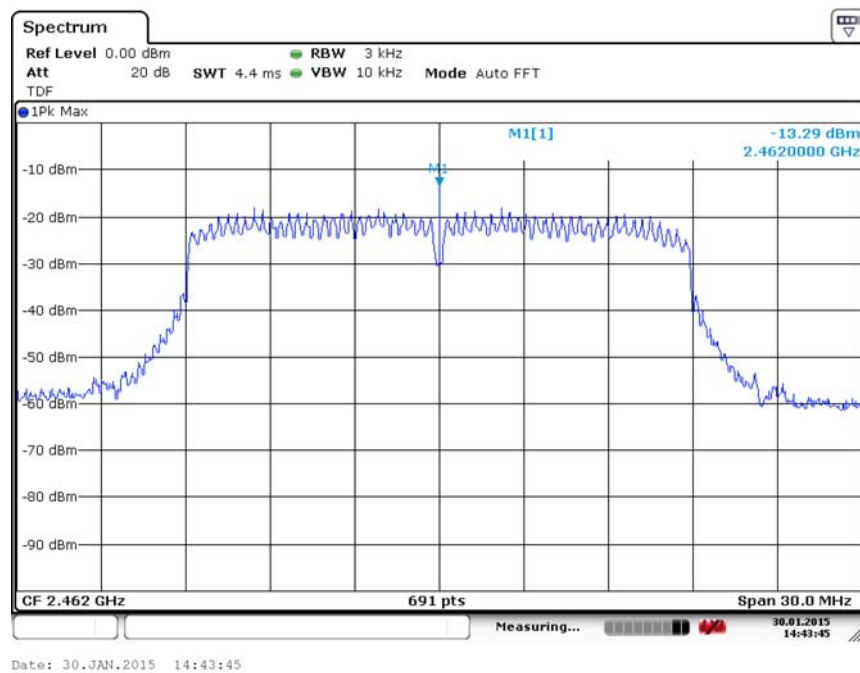


Fig.99 Power Spectral Density (802.11n-20MHz, Antenna 1,Ch 11)

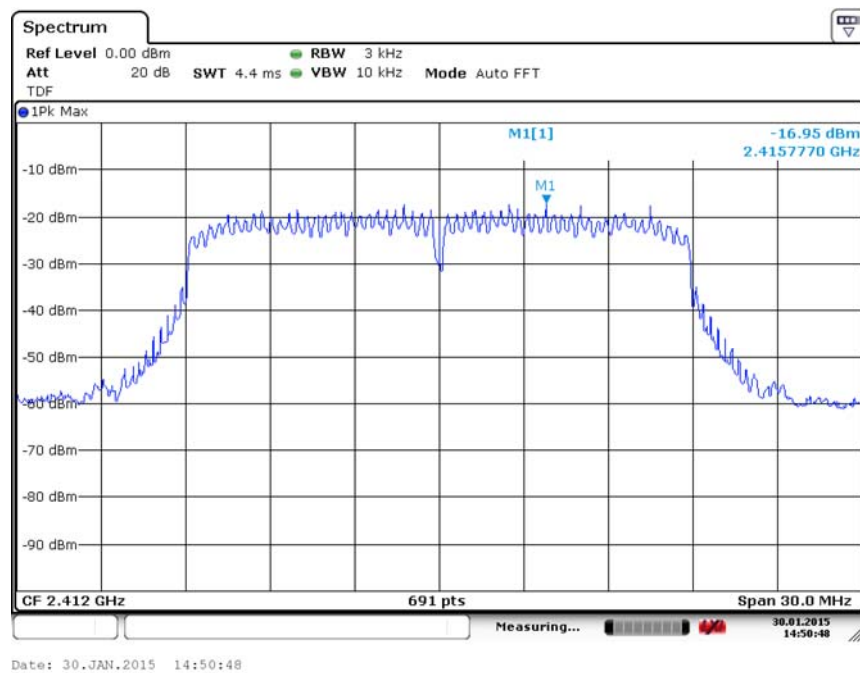


Fig.100 Power Spectral Density (802.11n-20MHz, Antenna 2,Ch 1)

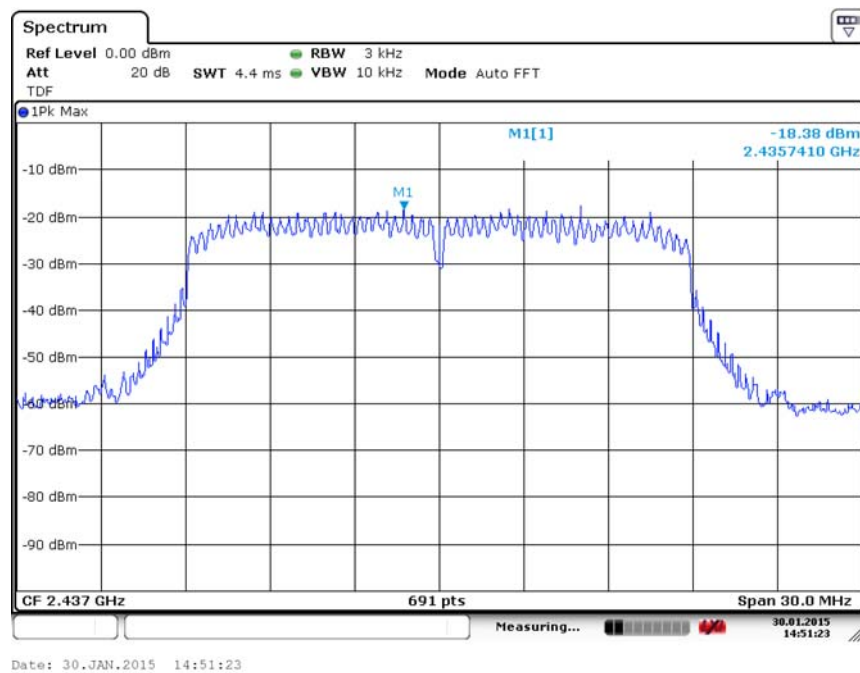


Fig.101 Power Spectral Density (802.11n-20MHz, Antenna 2,Ch 6)

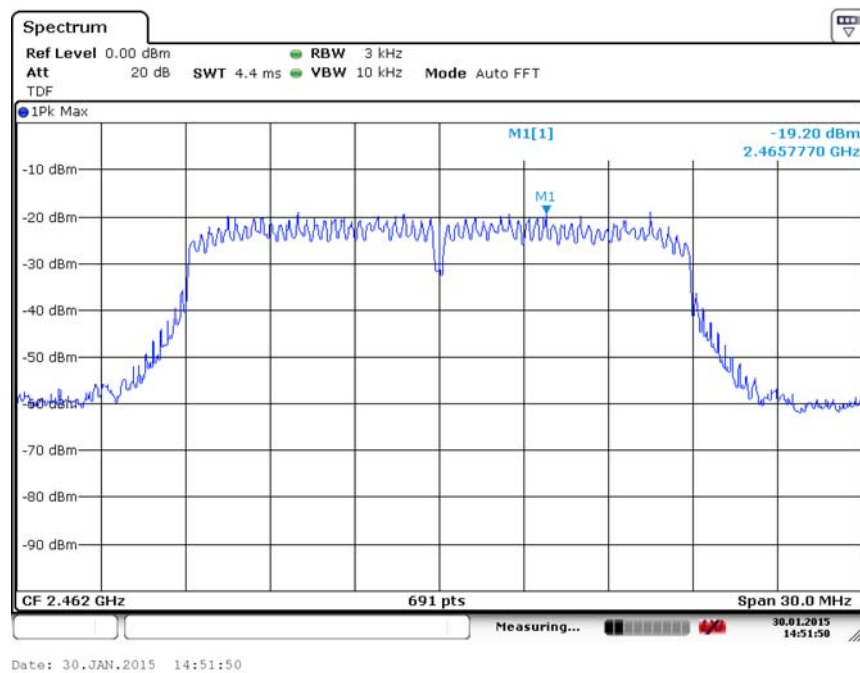


Fig.102 Power Spectral Density (802.11n-20MHz, Antenna 2,Ch 11)

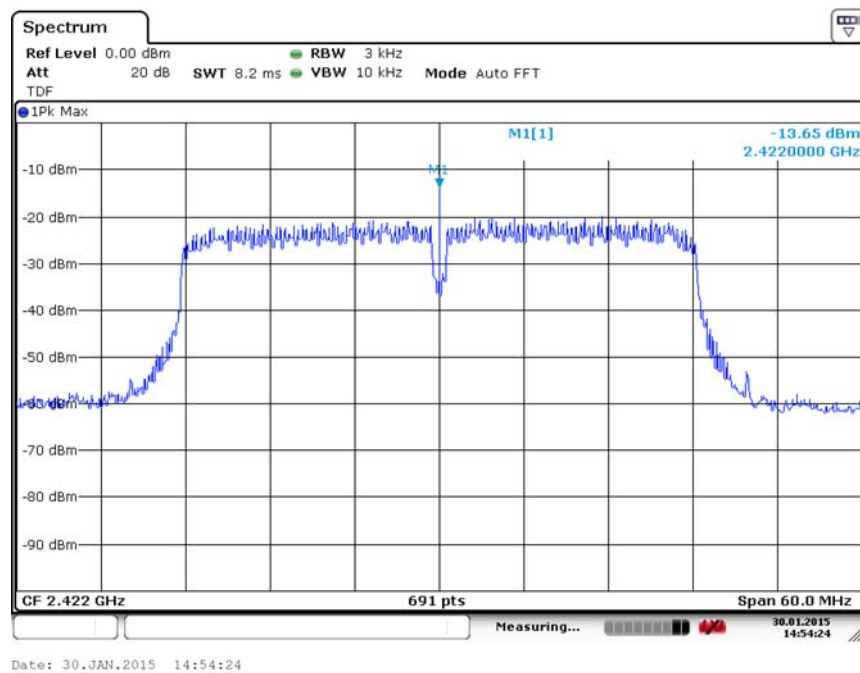


Fig.103 Power Spectral Density (802.11n-40MHz, Antenna 1,Ch 3)

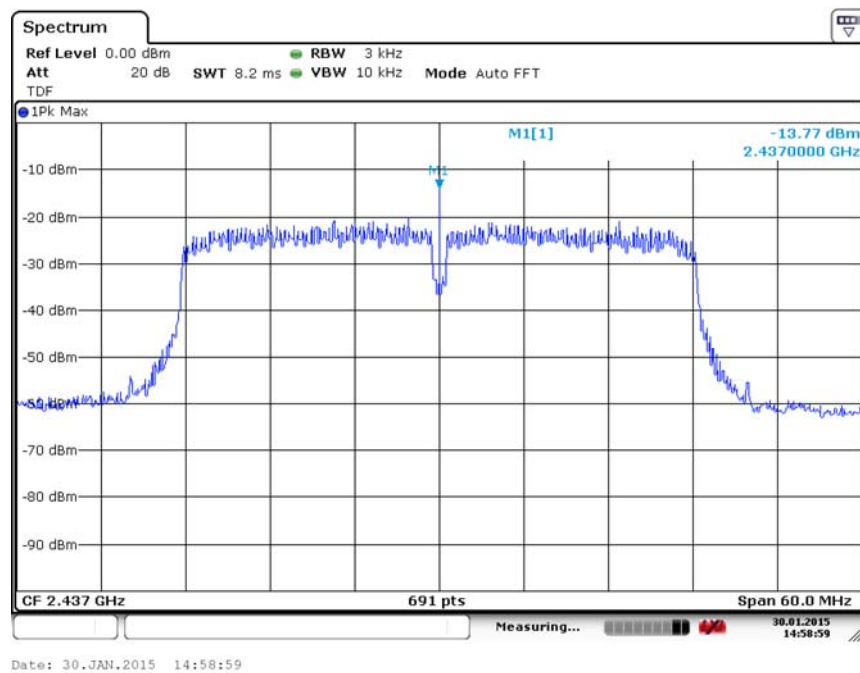


Fig.104 Power Spectral Density (802.11n-40MHz, Antenna 1,Ch 6)

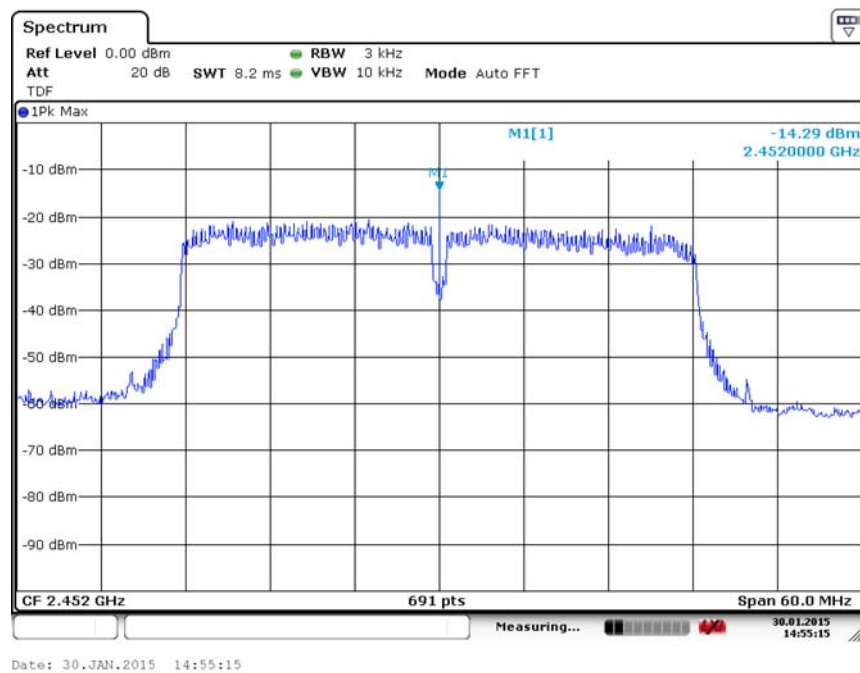


Fig.105 Power Spectral Density (802.11n-40MHz, Antenna 1,Ch 9)

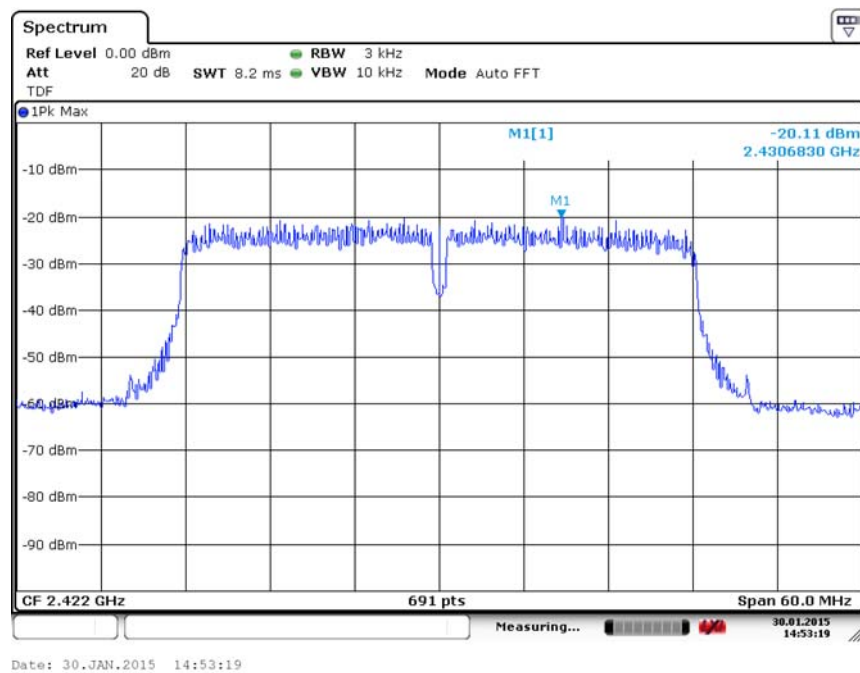


Fig.106 Power Spectral Density (802.11n-40MHz, Antenna 2,Ch 3)

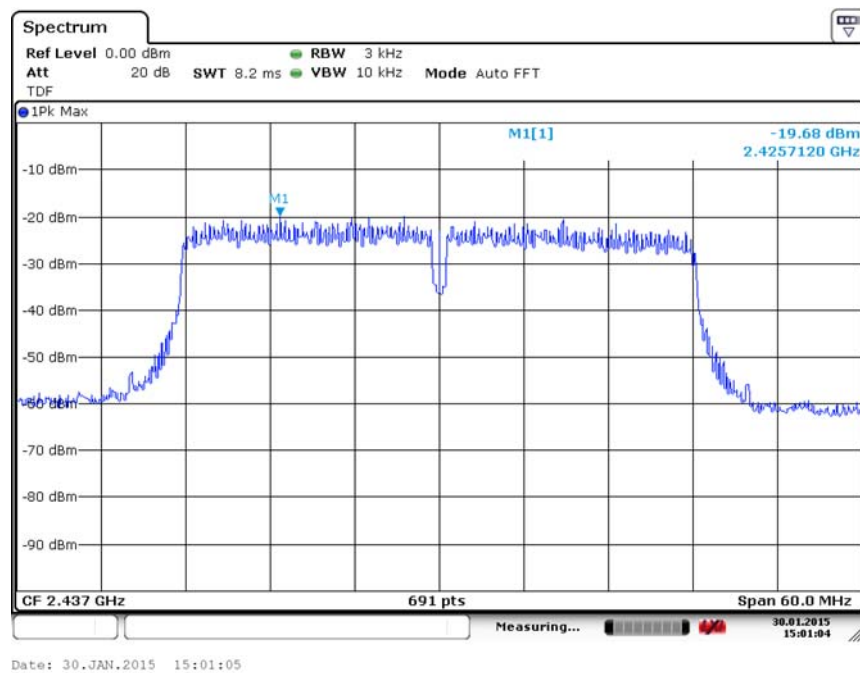


Fig.107 Power Spectral Density (802.11n-40MHz, Antenna 2,Ch 6)

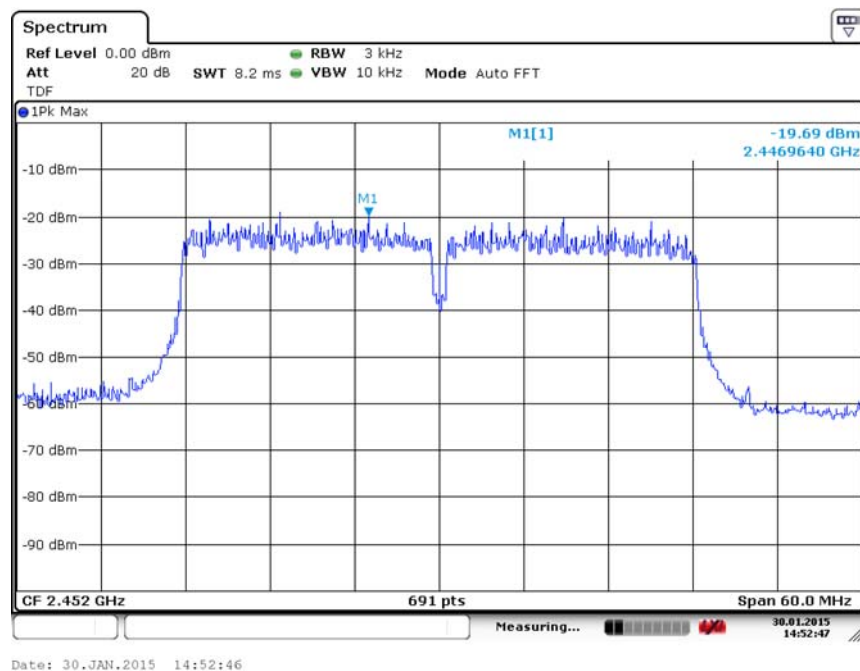


Fig.108 Power Spectral Density (802.11n-40MHz, Antenna 2,Ch 9)

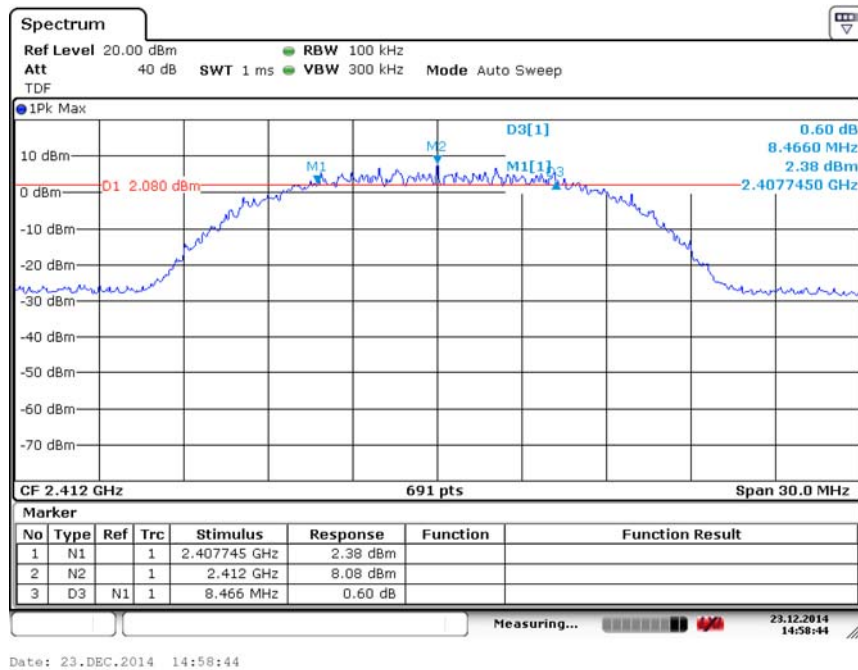


Fig.109 Occupied 6dB Bandwidth (802.11b, Ch 1)

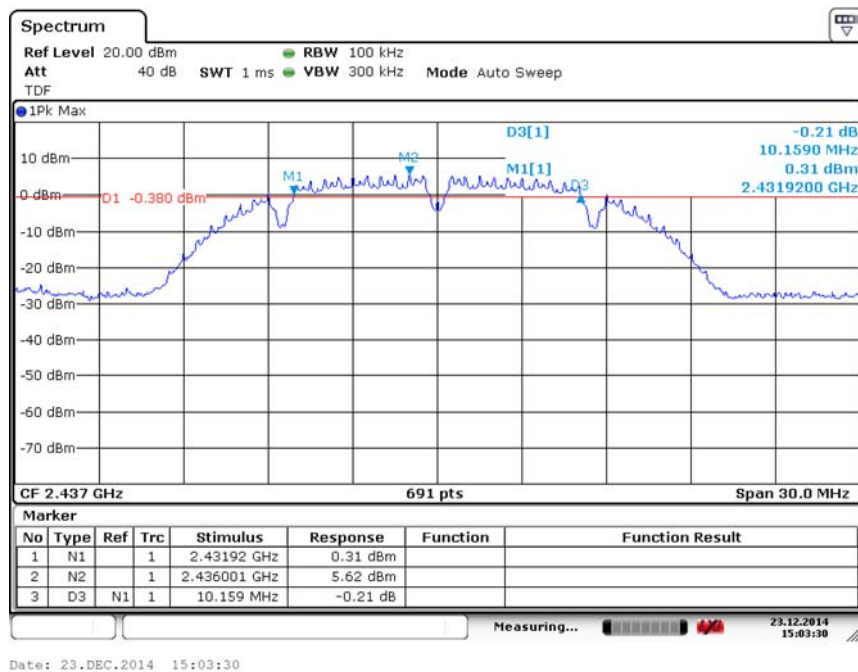


Fig.110 Occupied 6dB Bandwidth (802.11b, Ch 6)

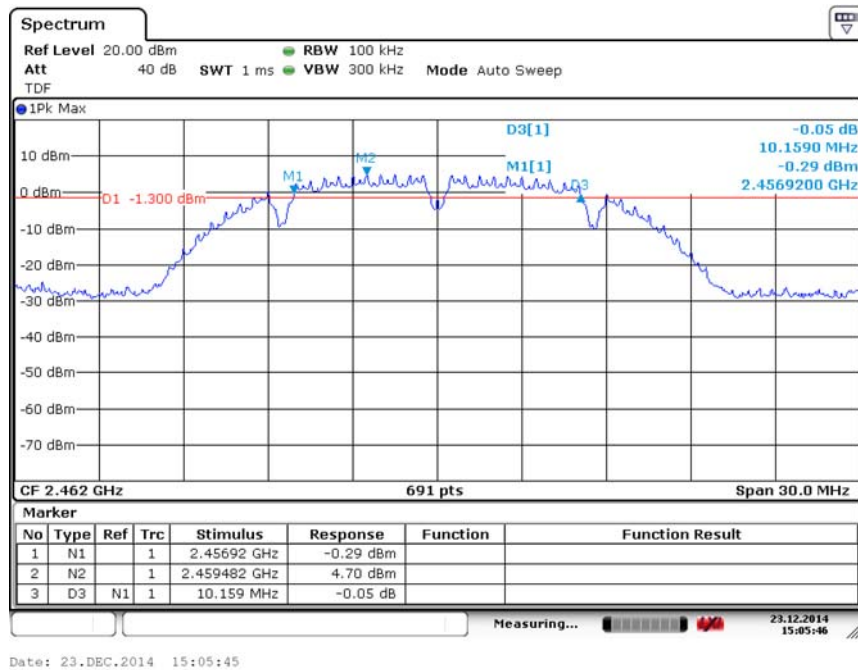


Fig.111 Occupied 6dB Bandwidth (802.11b, Ch 11)

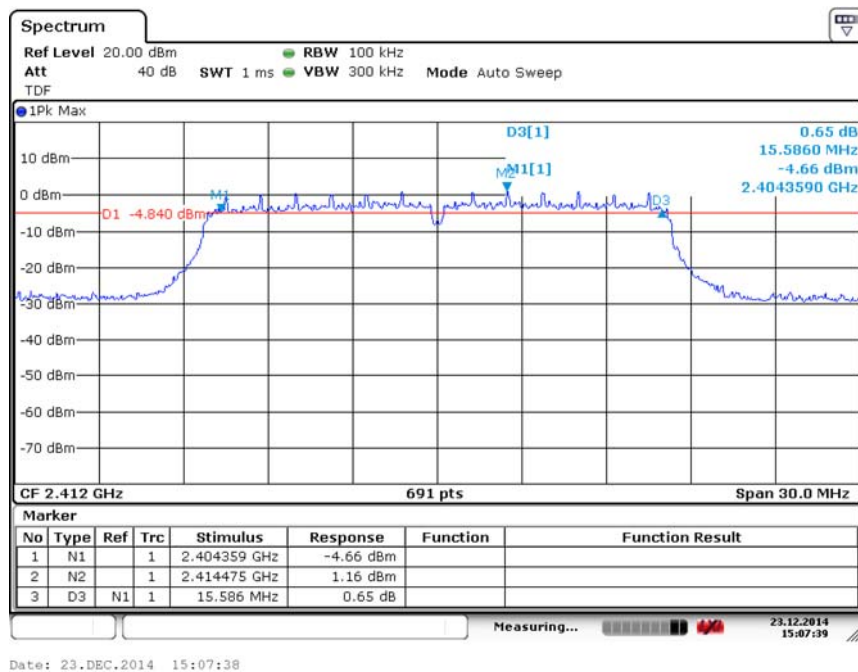


Fig.112 Occupied 6dB Bandwidth (802.11g, Ch 1)

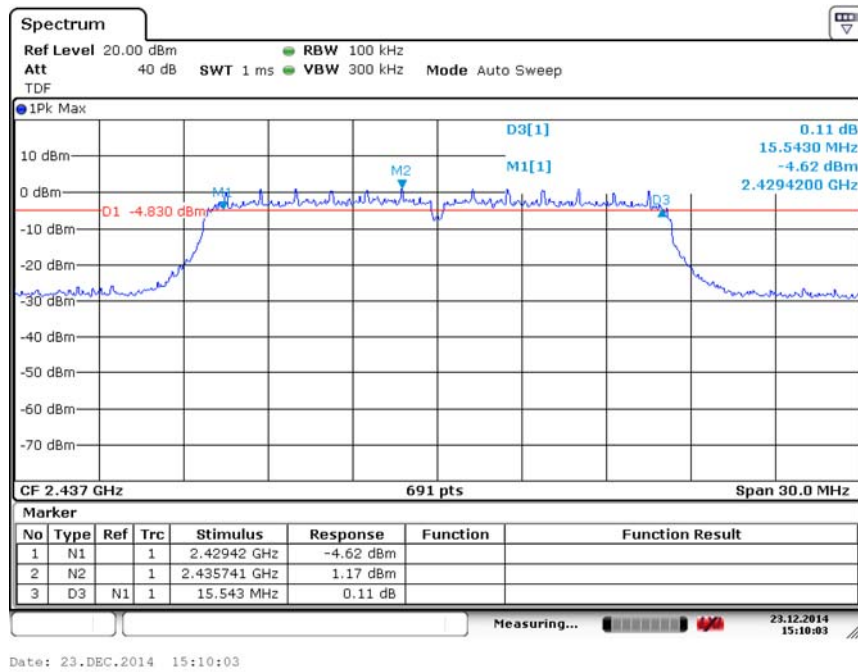


Fig.113 Occupied 6dB Bandwidth (802.11g, Ch 6)

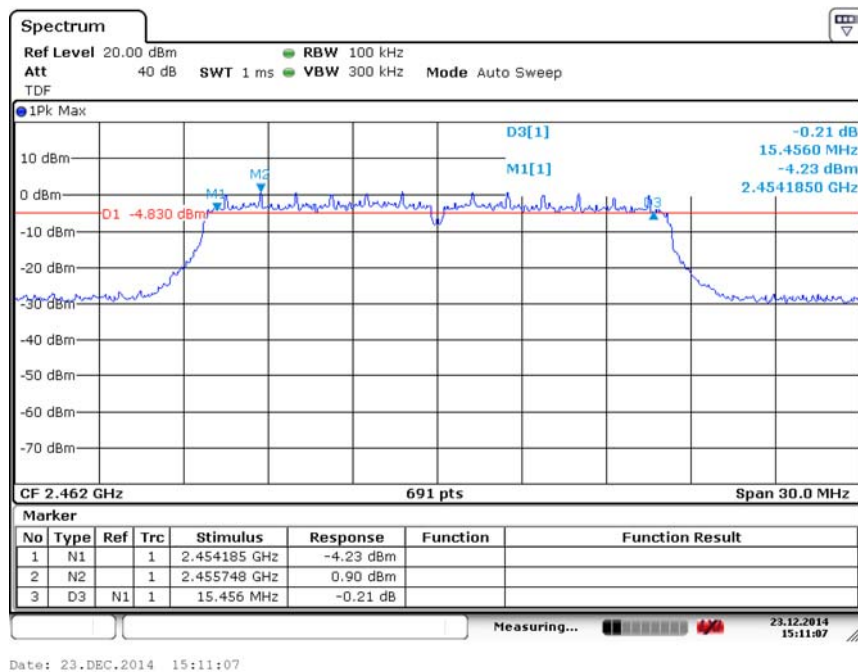


Fig.114 Occupied 6dB Bandwidth (802.11g, Ch 11)

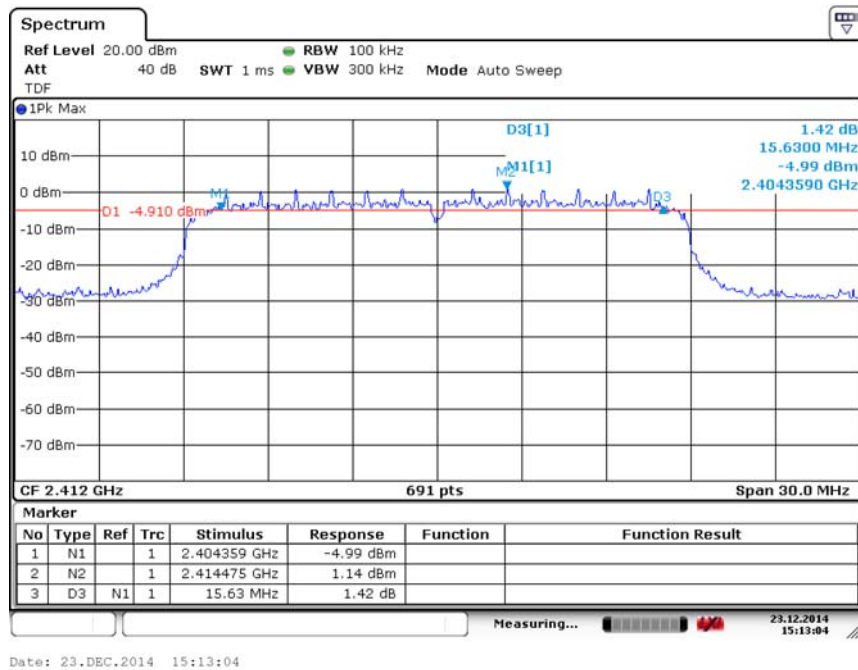


Fig.115 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 1)

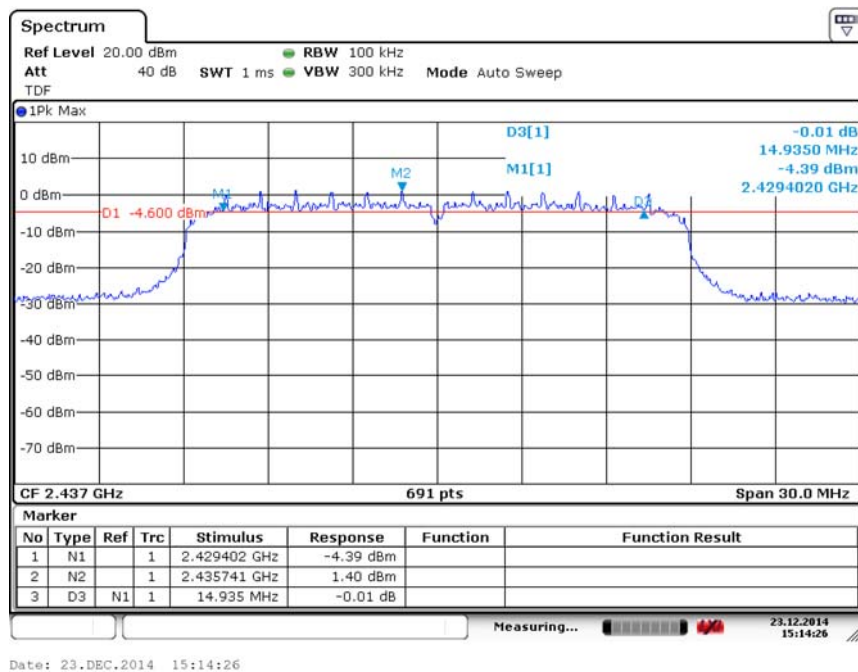


Fig.116 Occupied 6dB Bandwidth (802.11 n-20MHz, Ch 6)

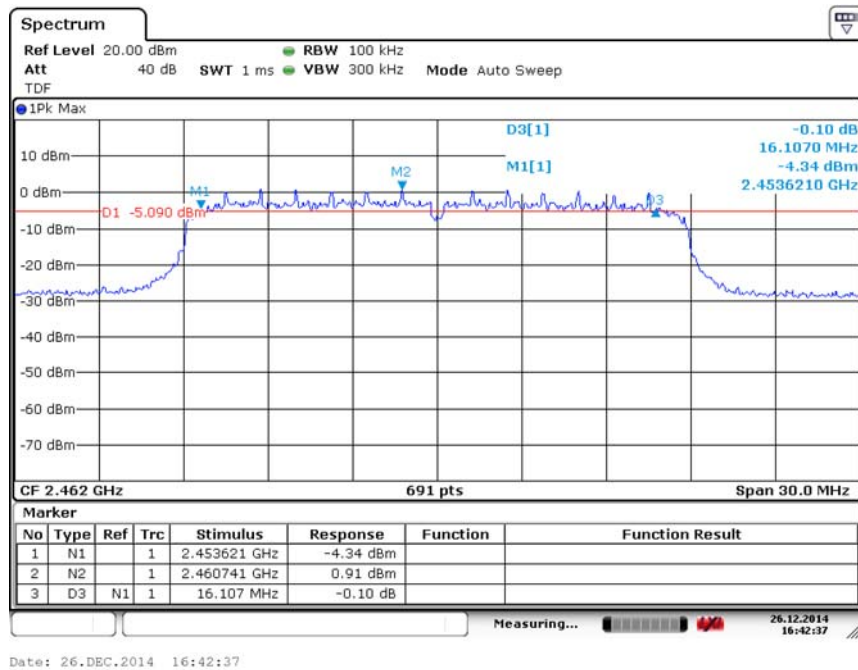


Fig.117 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 11)

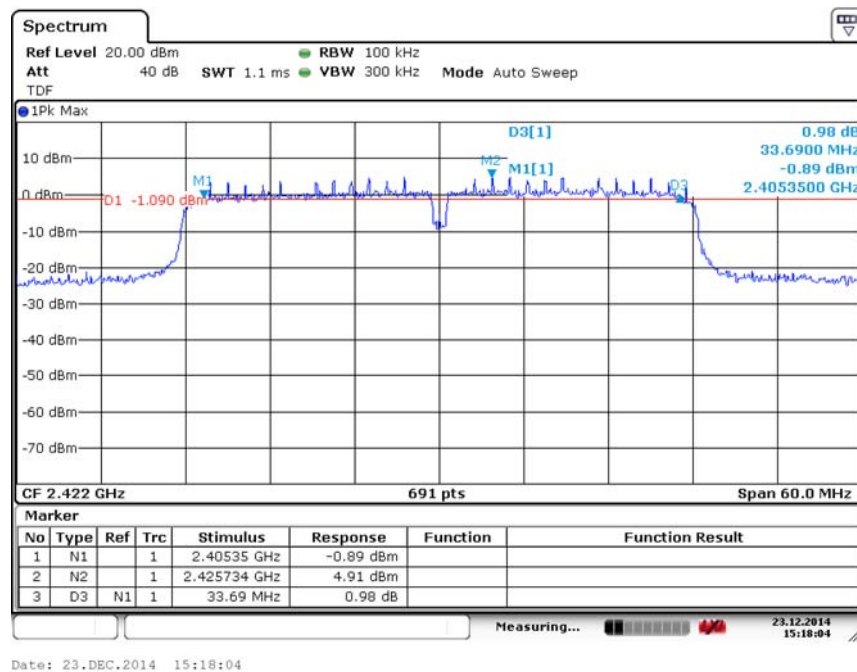


Fig.118 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 3)

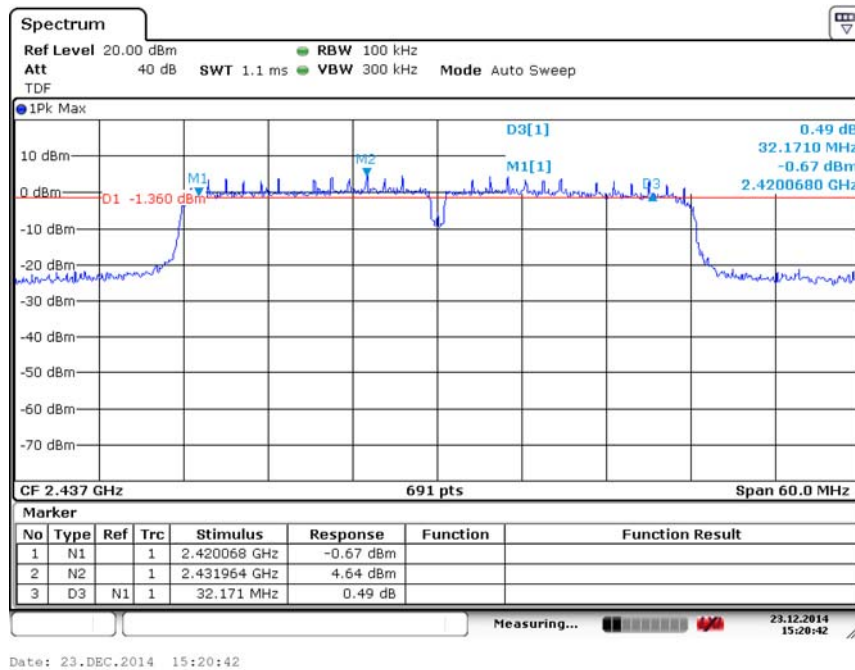


Fig.119 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 6)

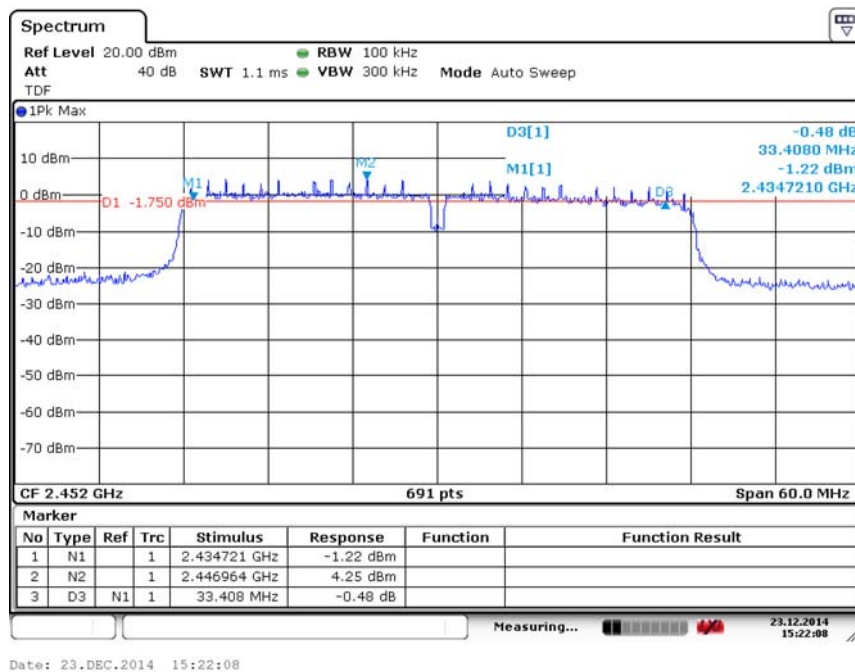


Fig.120 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 9)

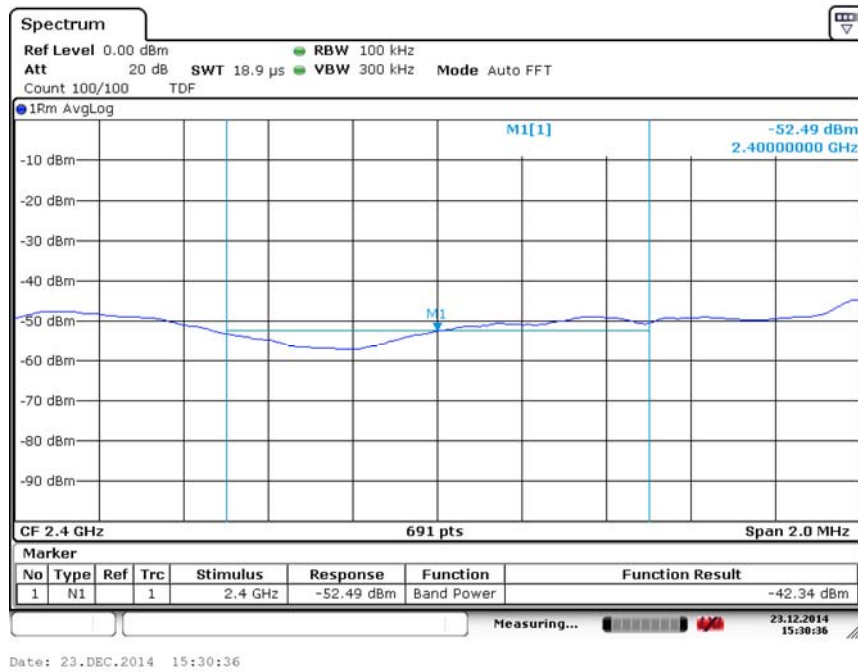


Fig.121 Band Edges (802.11b, Ch 1)

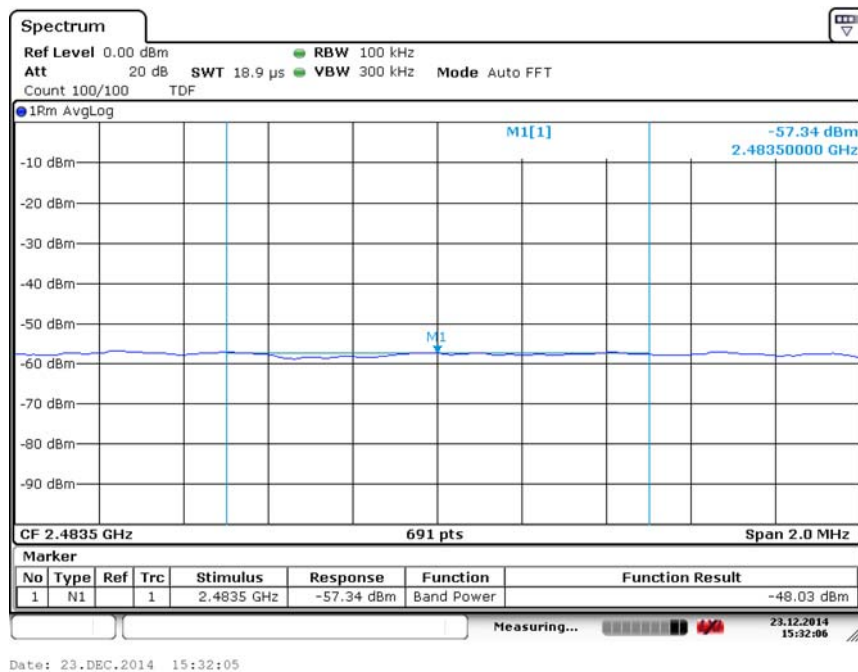


Fig.122 Band Edges (802.11b, Ch 11)

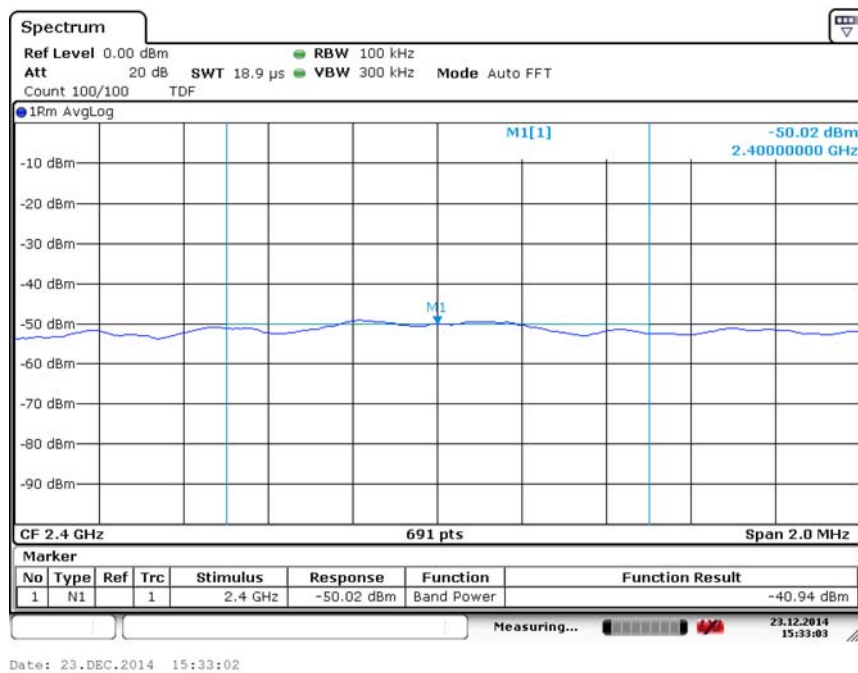


Fig.123 Band Edges (802.11g, Ch 1)

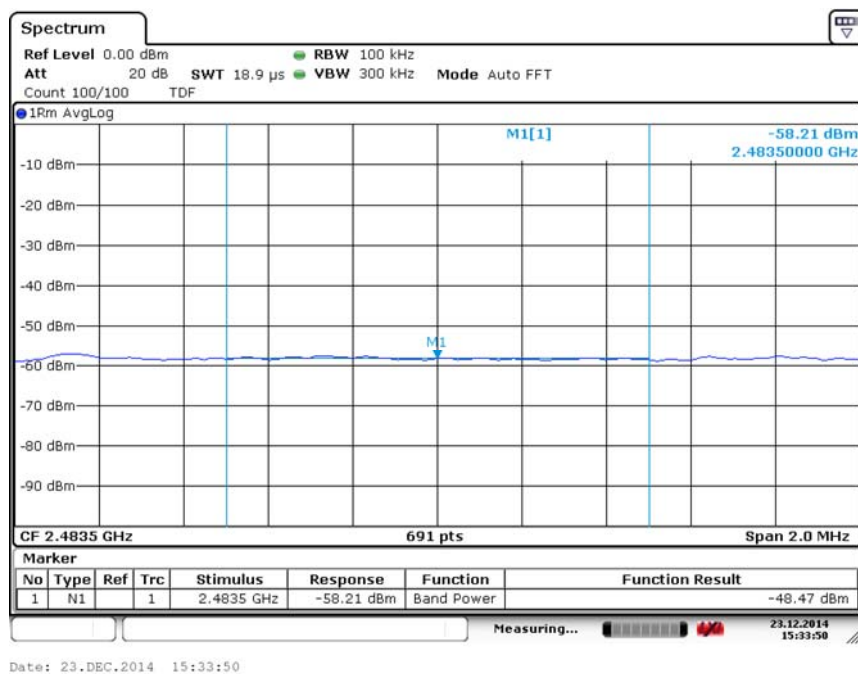


Fig.124 Band Edges (802.11g, Ch 11)

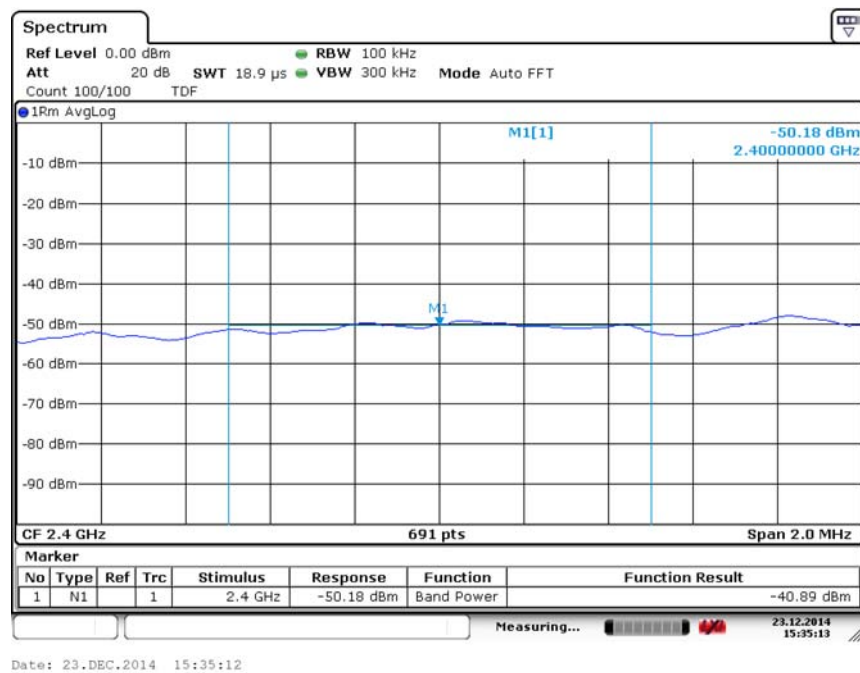


Fig.125 Band Edges (802.11 n-20MHz, Ch 1)

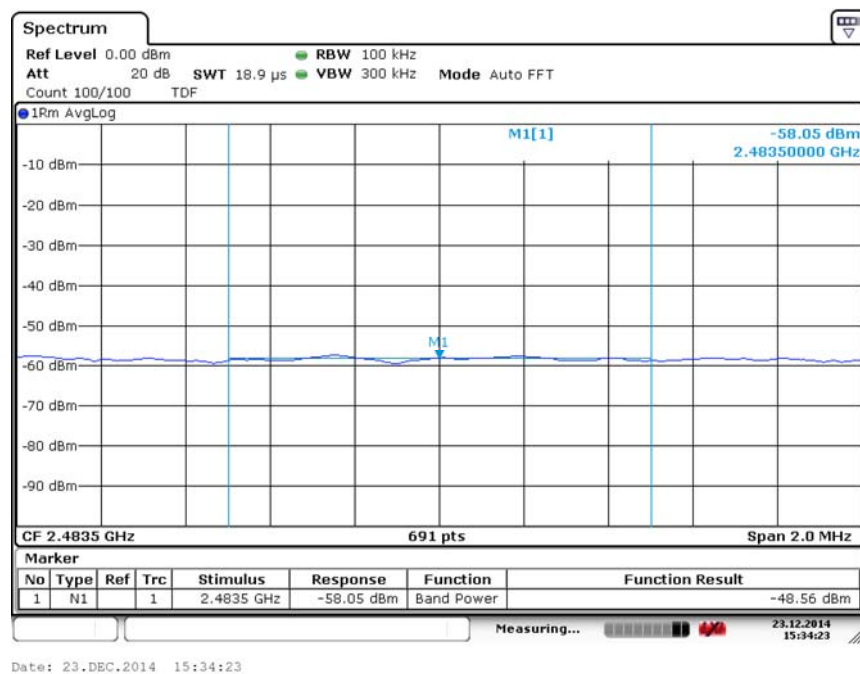


Fig.126 Band Edges (802.11 n-20MHz, Ch 11)

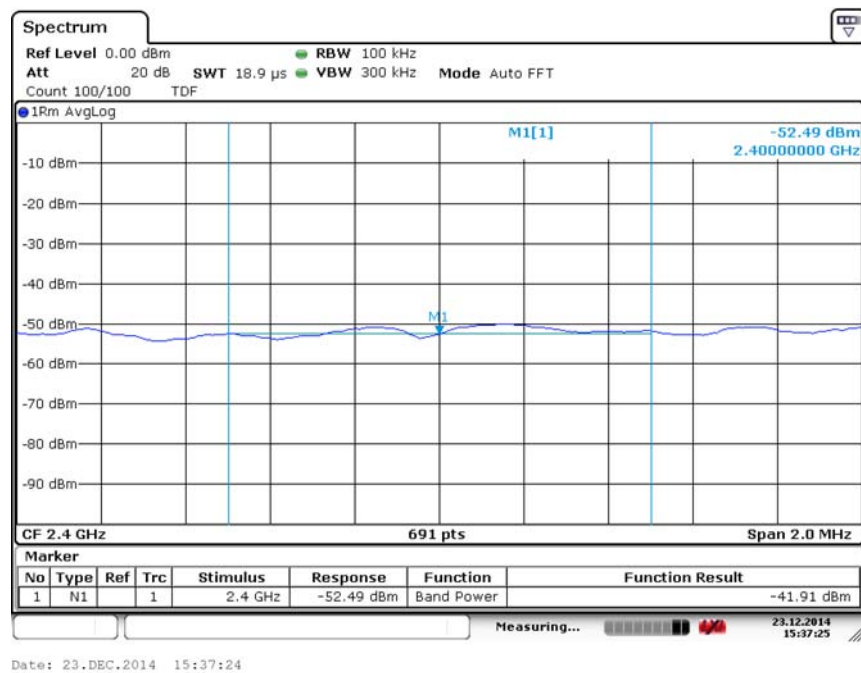


Fig.127 Band Edges (802.11 n-40MHz, Ch 3)

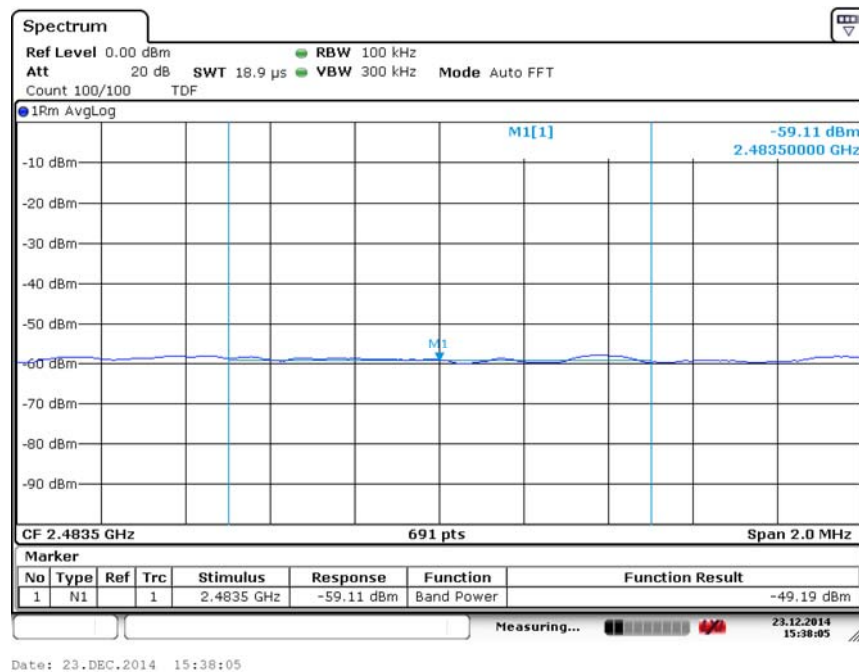


Fig.128 Band Edges (802.11 n-40MHz, Ch 9)

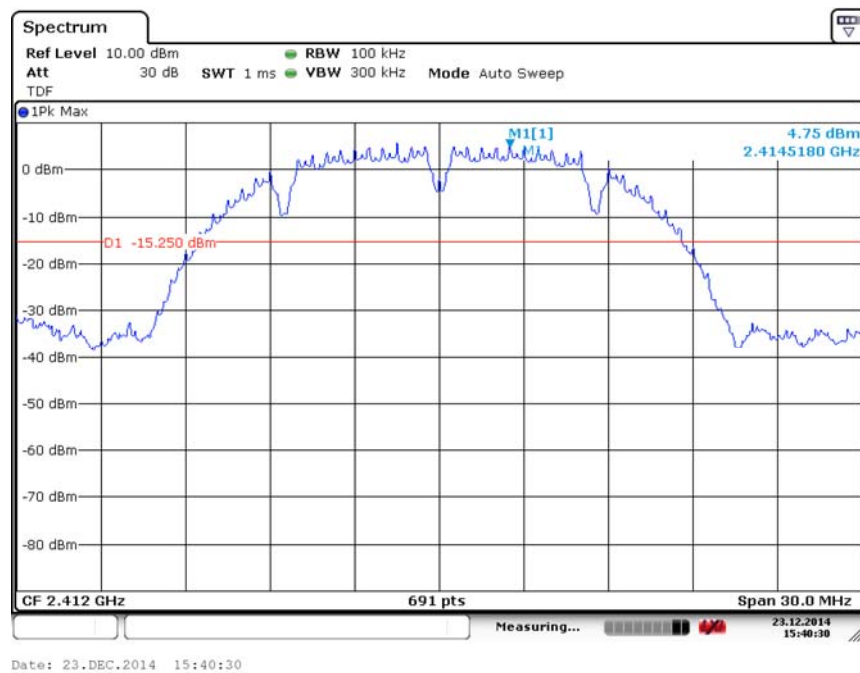


Fig.129 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)

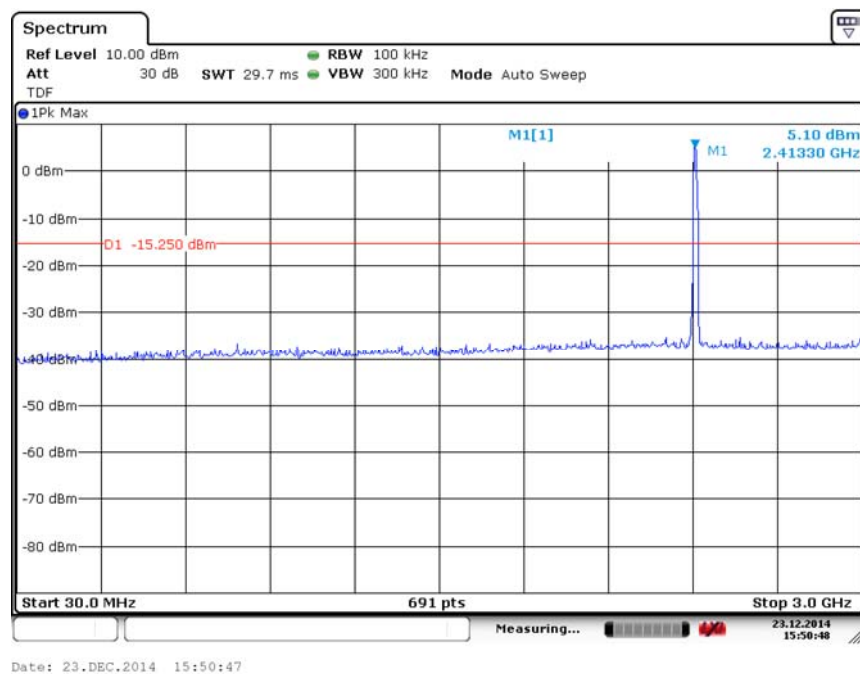


Fig.130 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-3 GHz)

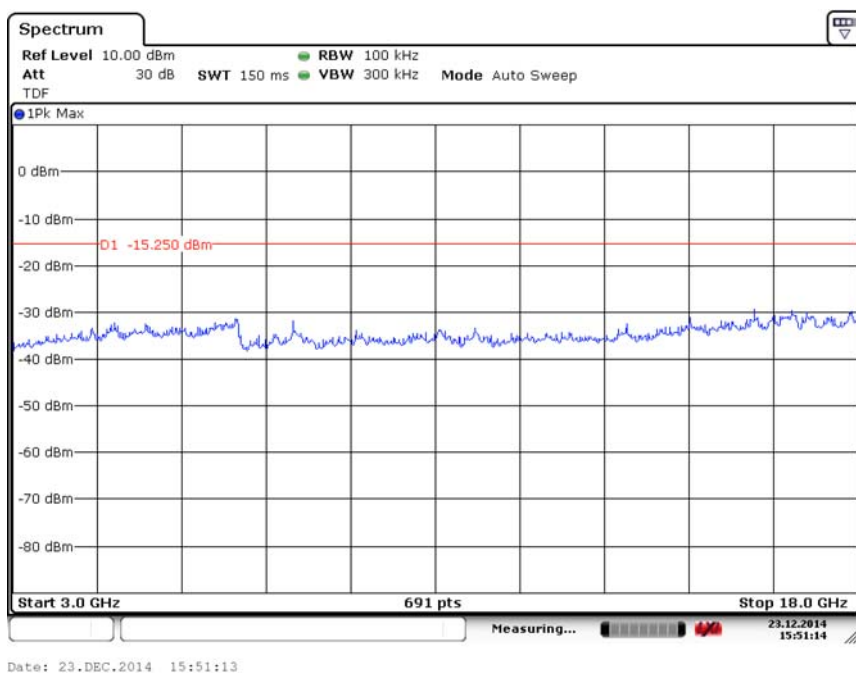


Fig.131 Conducted Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

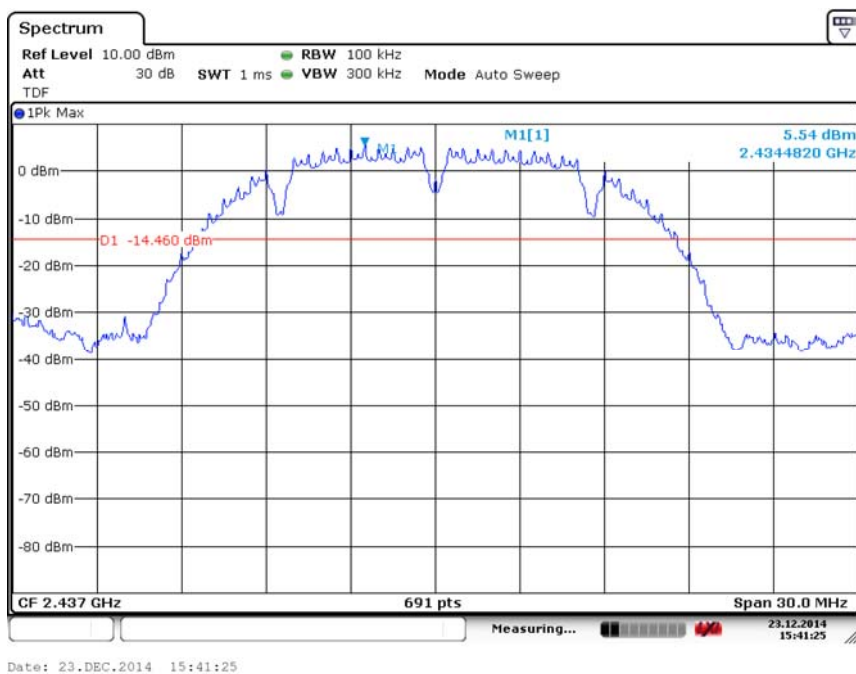


Fig.132 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)

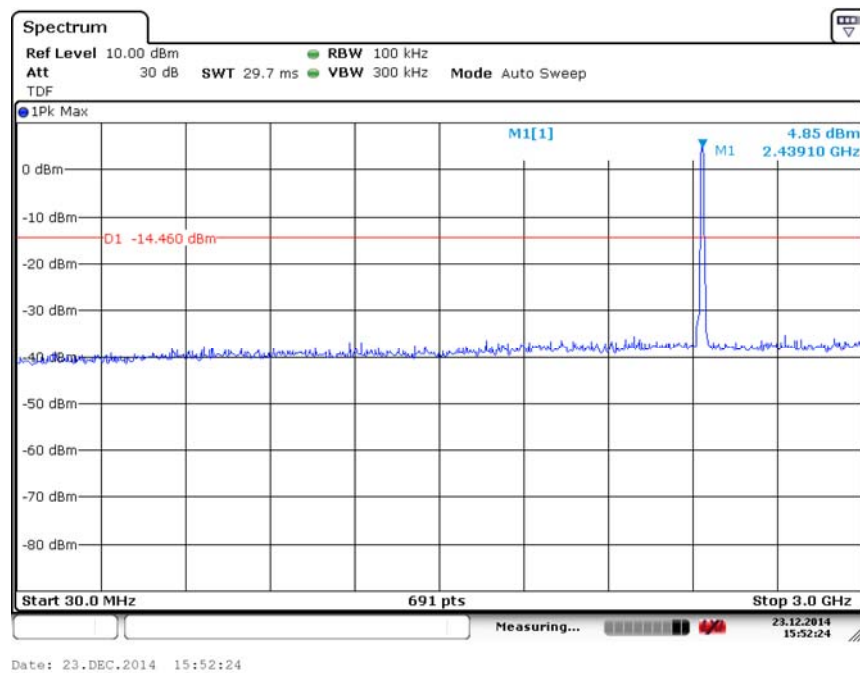


Fig.133 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-3 GHz)

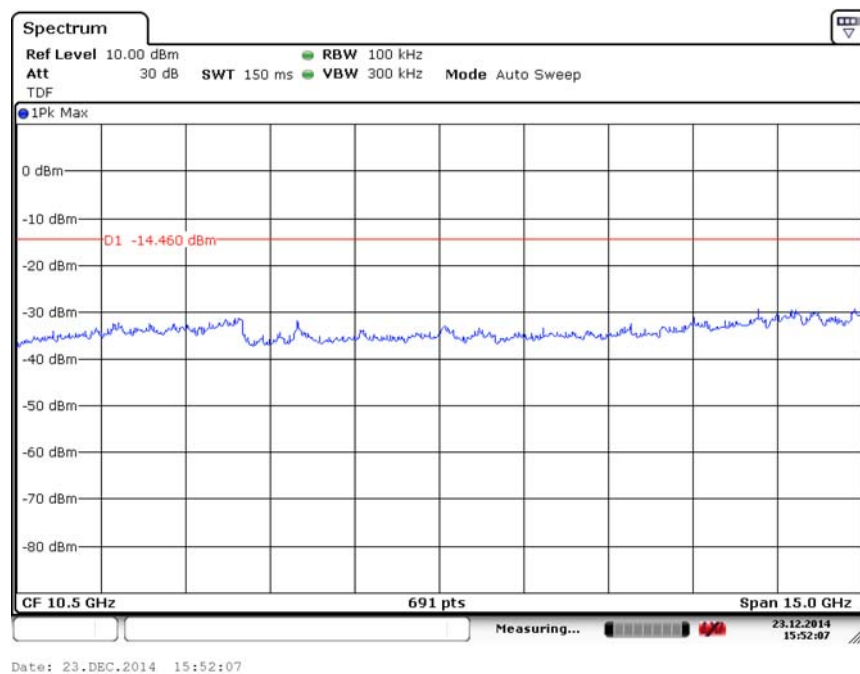


Fig.134 Conducted Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)



Fig.135 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)

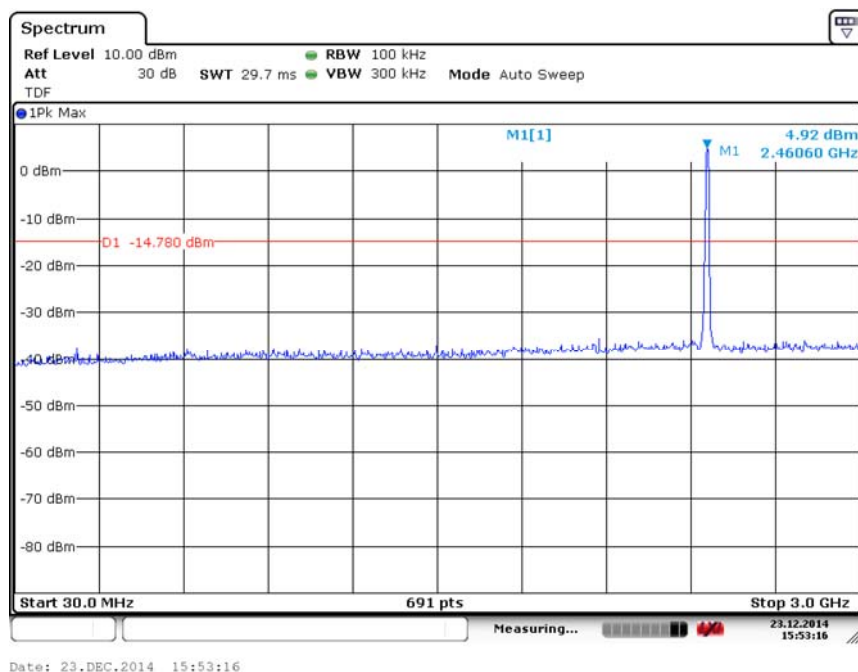


Fig.136 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-3 GHz)

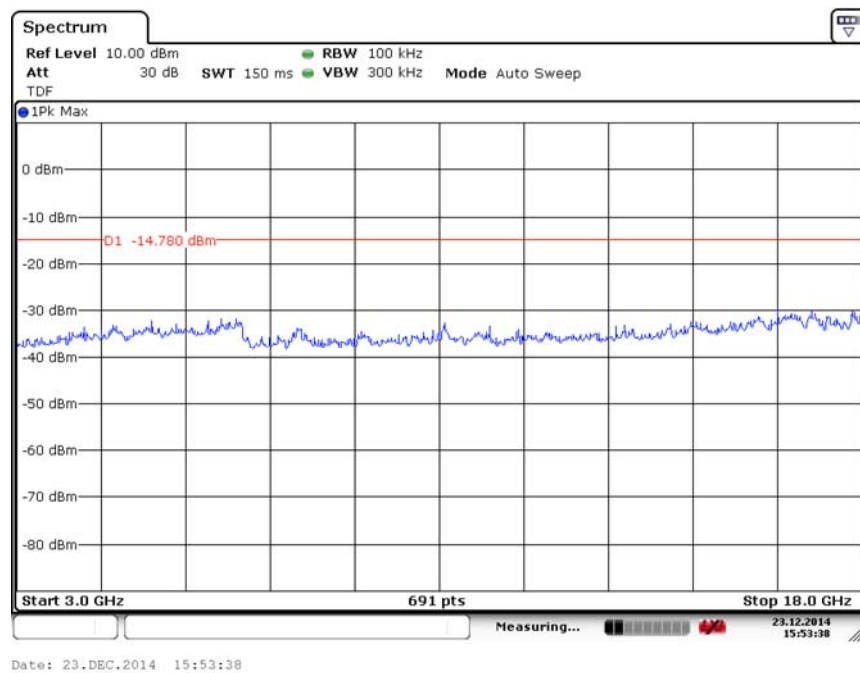


Fig.137 Conducted Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

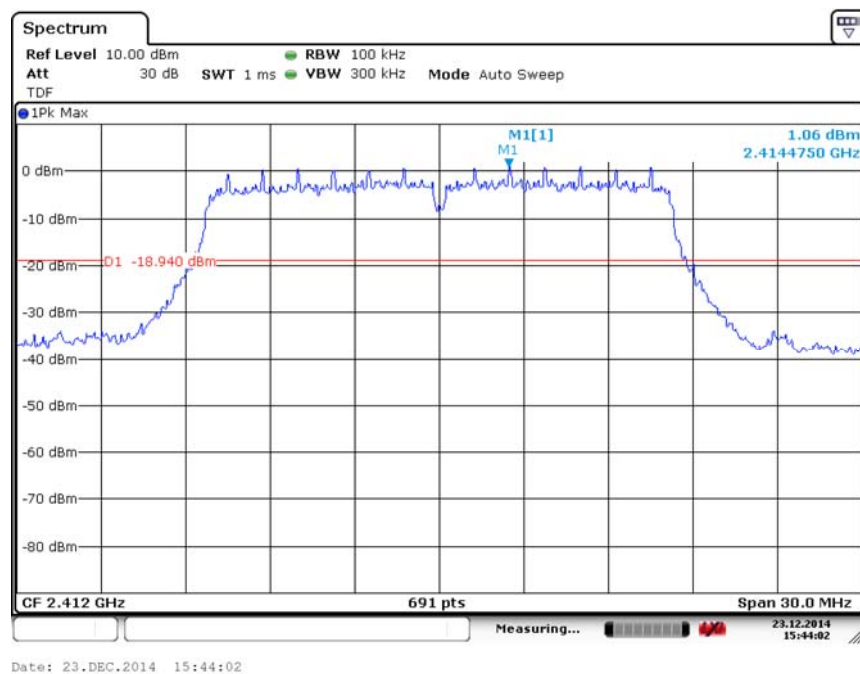


Fig.138 Conducted Spurious Emission (802.11g, Ch1, Center Frequency)

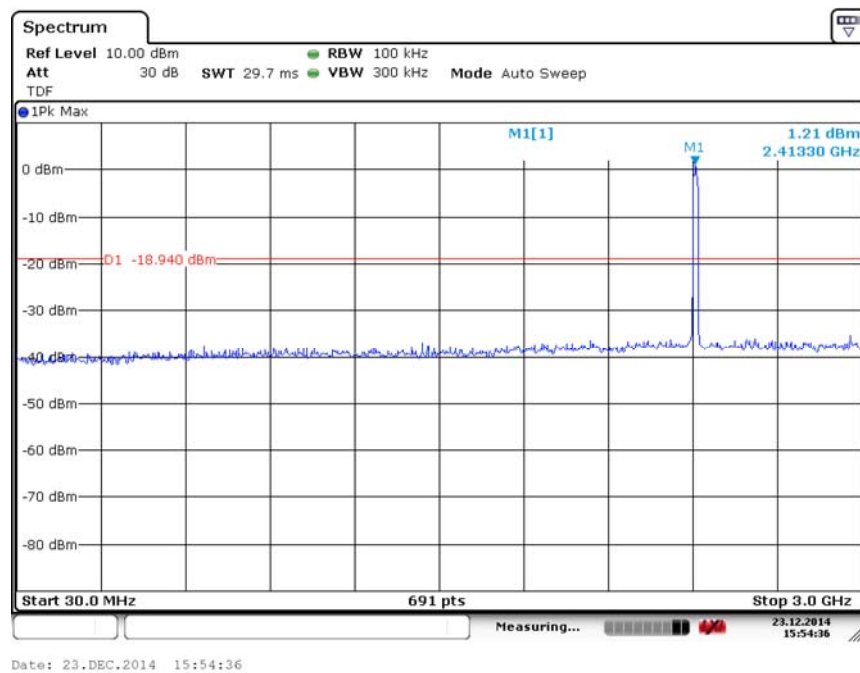


Fig.139 Conducted Spurious Emission (802.11g, Ch1, 30 MHz-3 GHz)

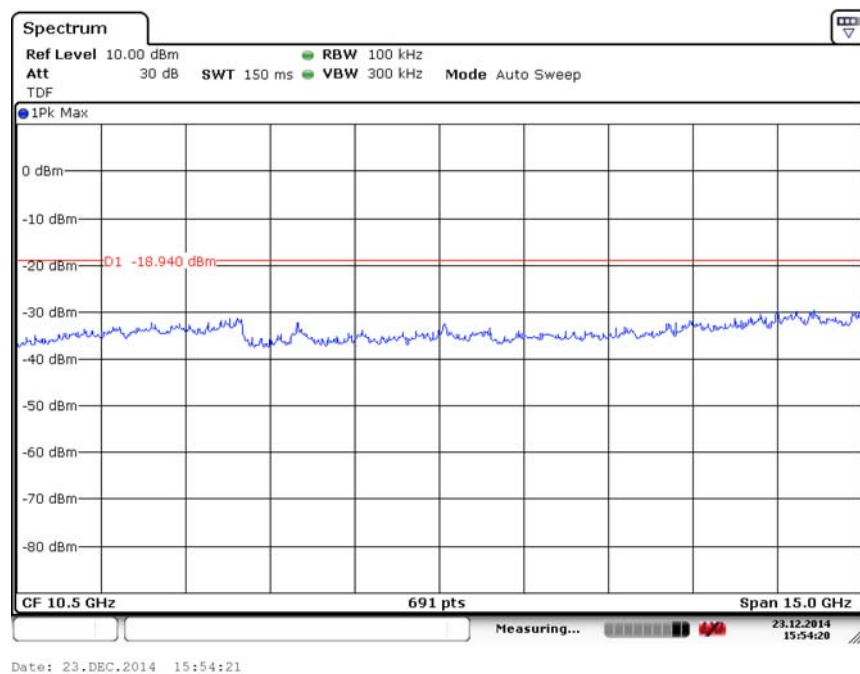


Fig.140 Conducted Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

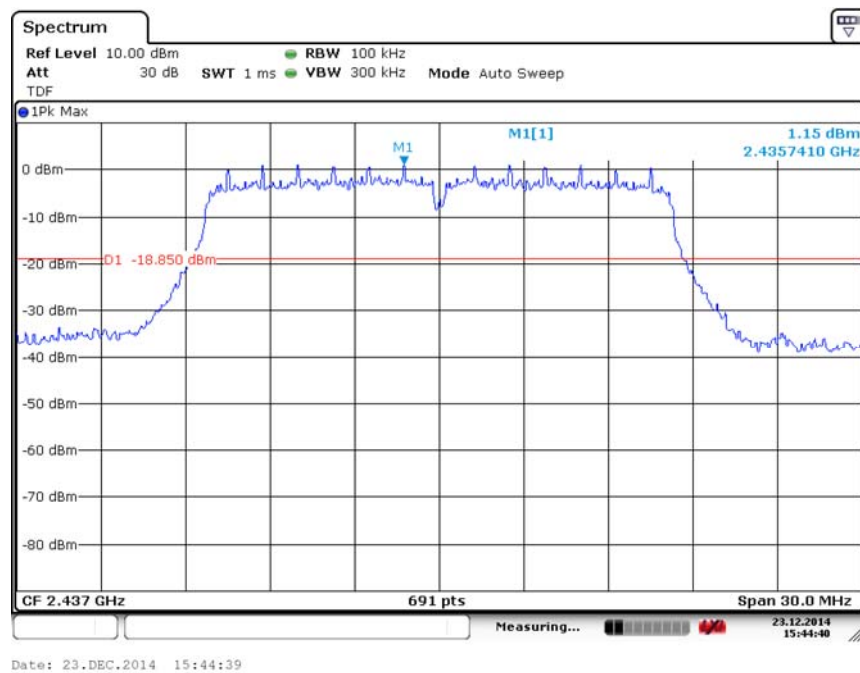


Fig.141 Conducted Spurious Emission (802.11g, Ch6, Center Frequency)

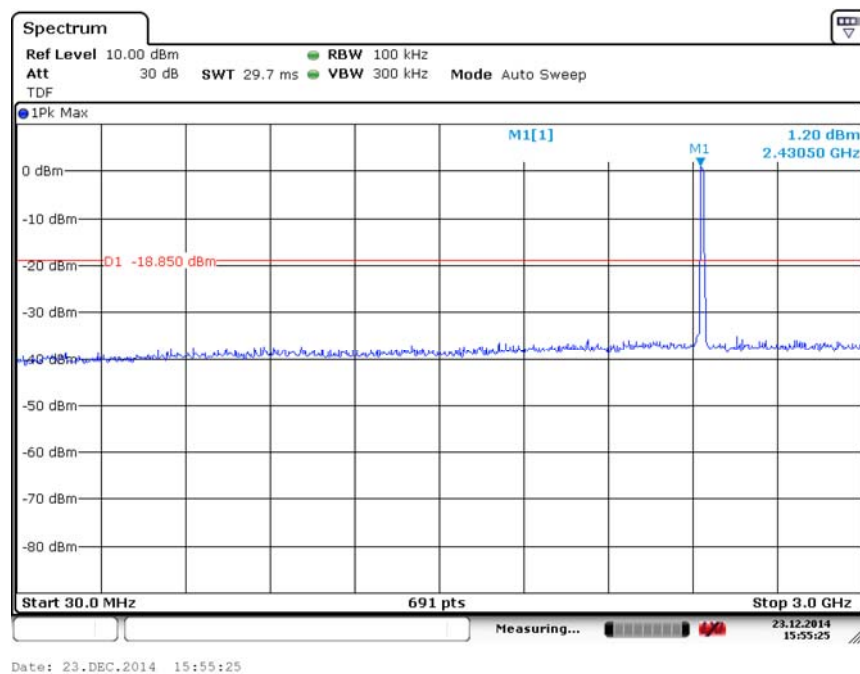


Fig.142 Conducted Spurious Emission (802.11g, Ch6, 30 MHz-3 GHz)

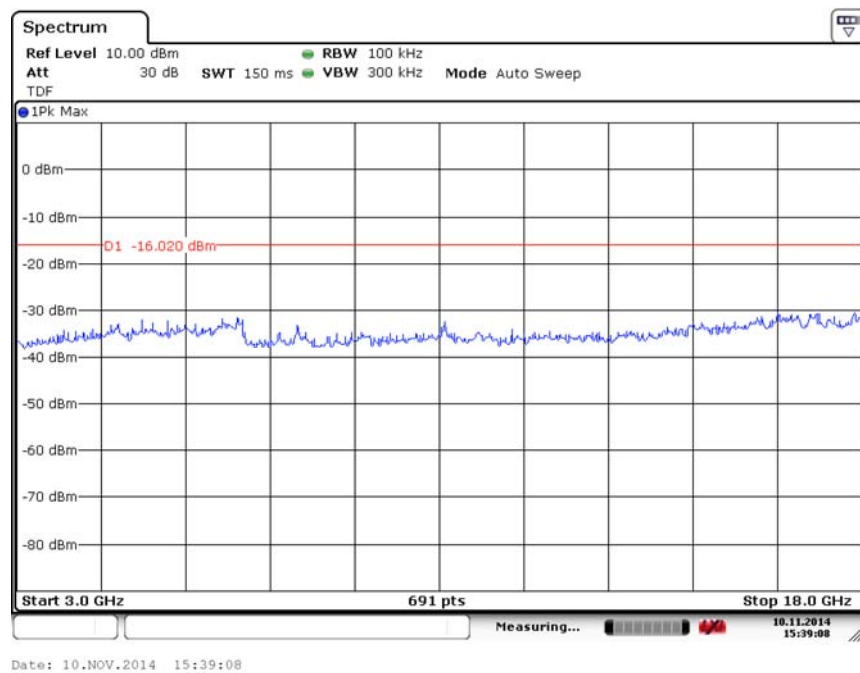


Fig.143 Conducted Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

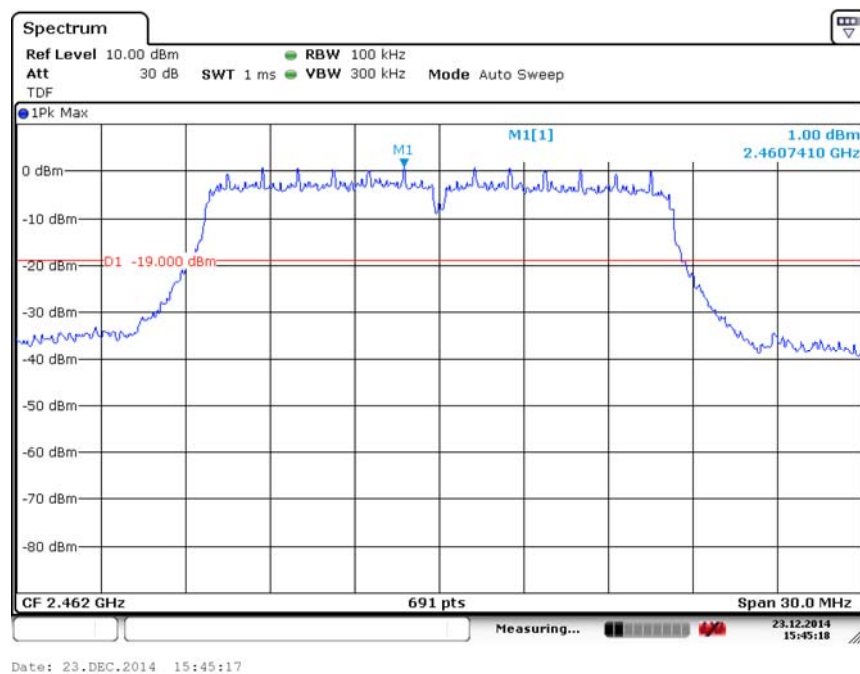


Fig.144 Conducted Spurious Emission (802.11g, Ch11, Center Frequency)

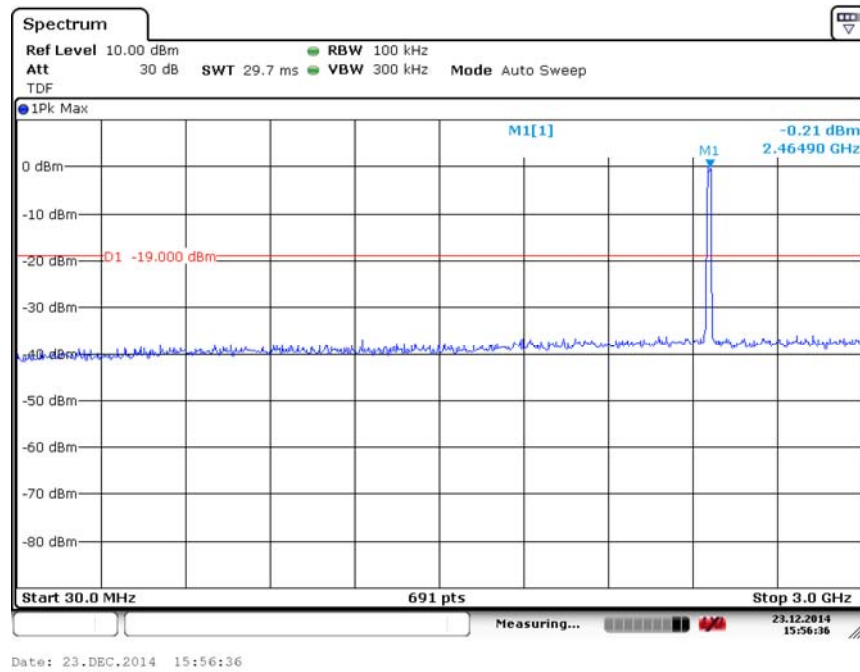


Fig.145 Conducted Spurious Emission (802.11g, Ch11, 30 MHz-3 GHz)

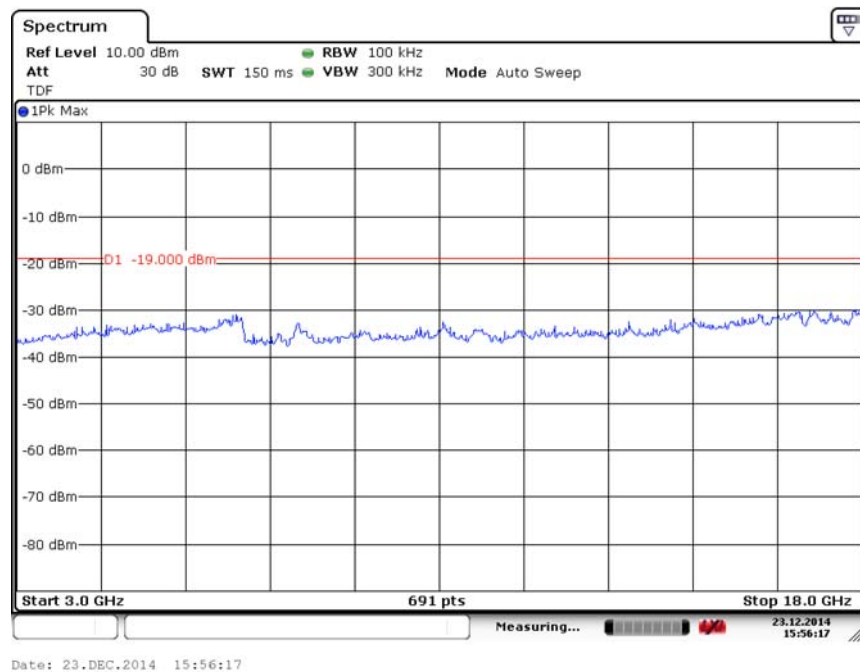


Fig.146 Conducted Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

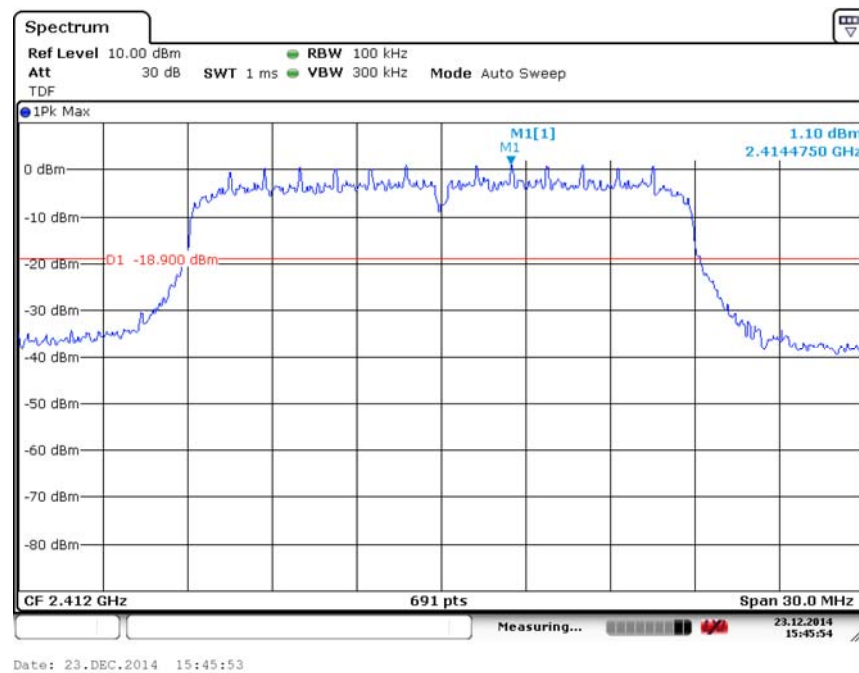


Fig.147 Conducted Spurious Emission (802.11n-20M, Ch1, Center Frequency)

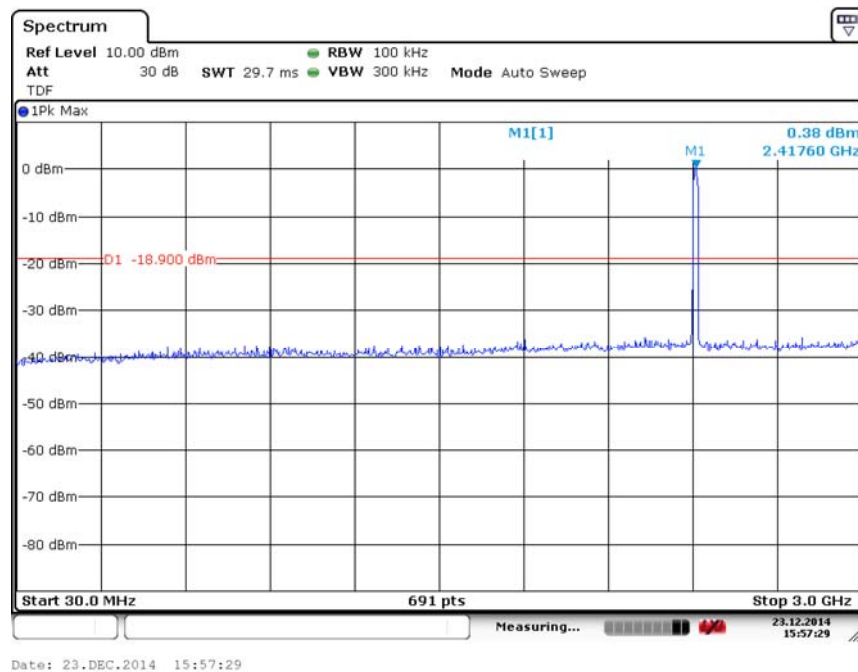


Fig.148 Conducted Spurious Emission (802.11n-20M, Ch1, 30 MHz-3 GHz)

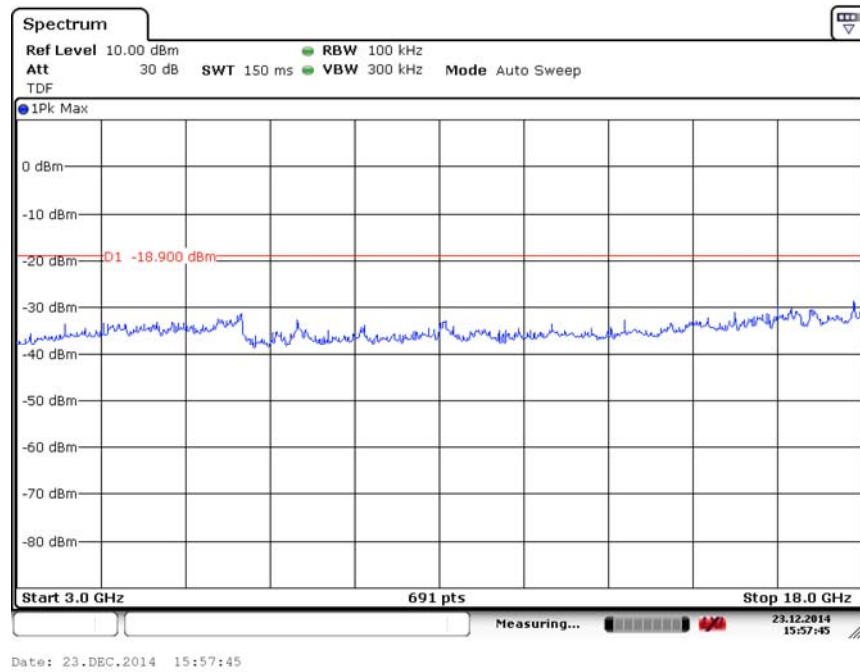


Fig.149 Conducted Spurious Emission (802.11n-20M, Ch1, 3 GHz-18 GHz)

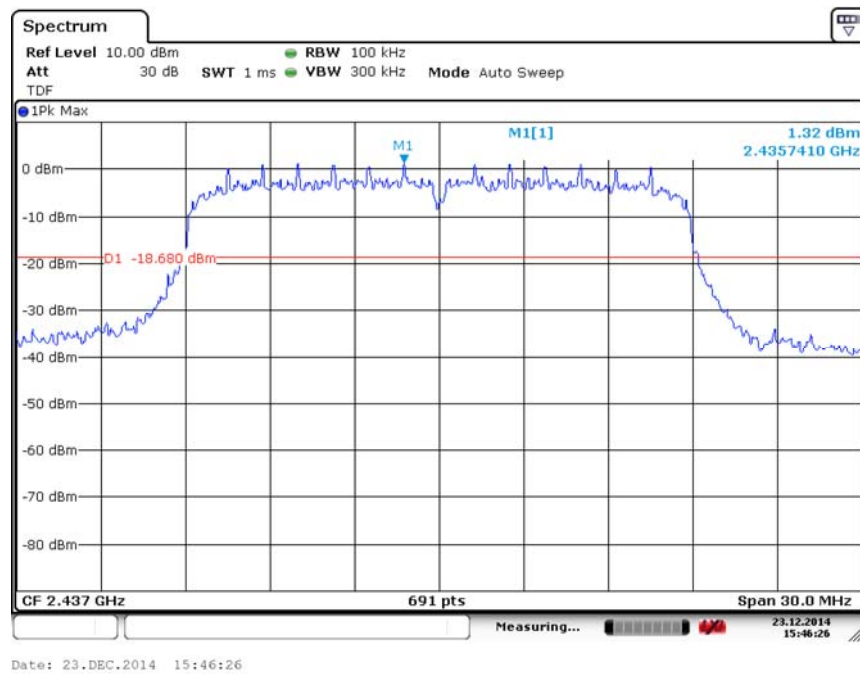


Fig.150 Conducted Spurious Emission (802.11n-20M, Ch6, Center Frequency)

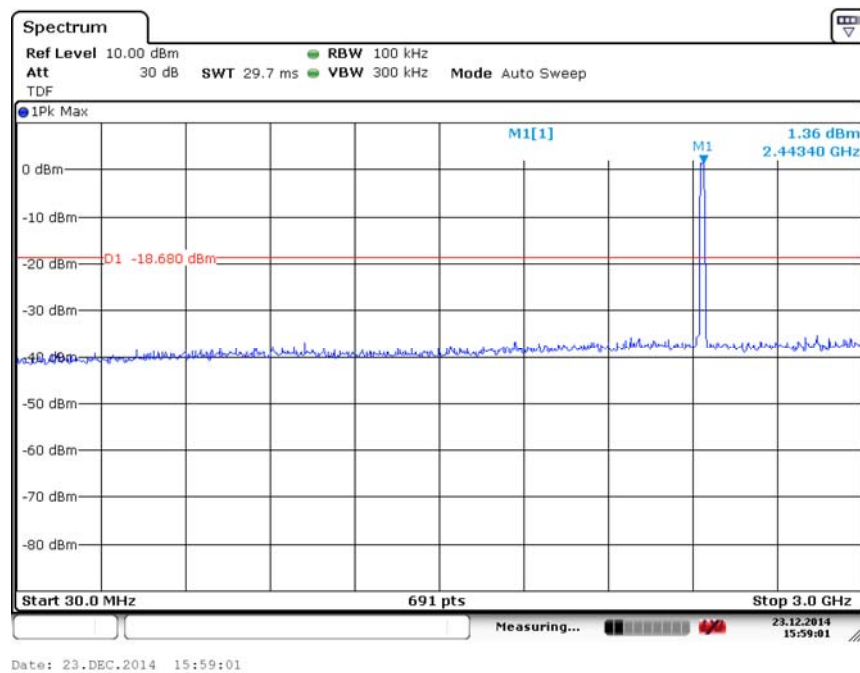


Fig.151 Conducted Spurious Emission (802.11n-20M, Ch6, 30 MHz-3 GHz)

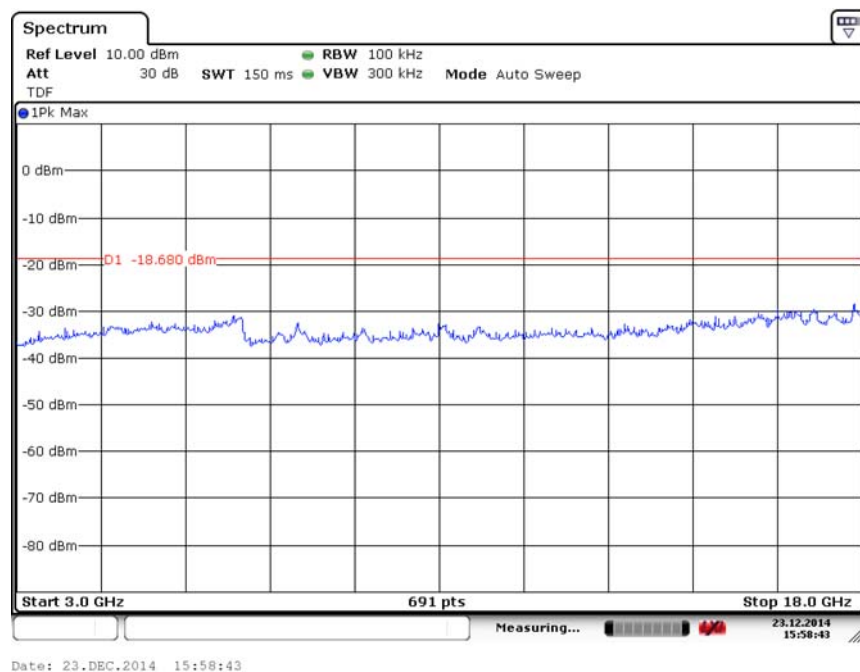


Fig.152 Conducted Spurious Emission (802.11n-20M, Ch6, 3 GHz-18 GHz)

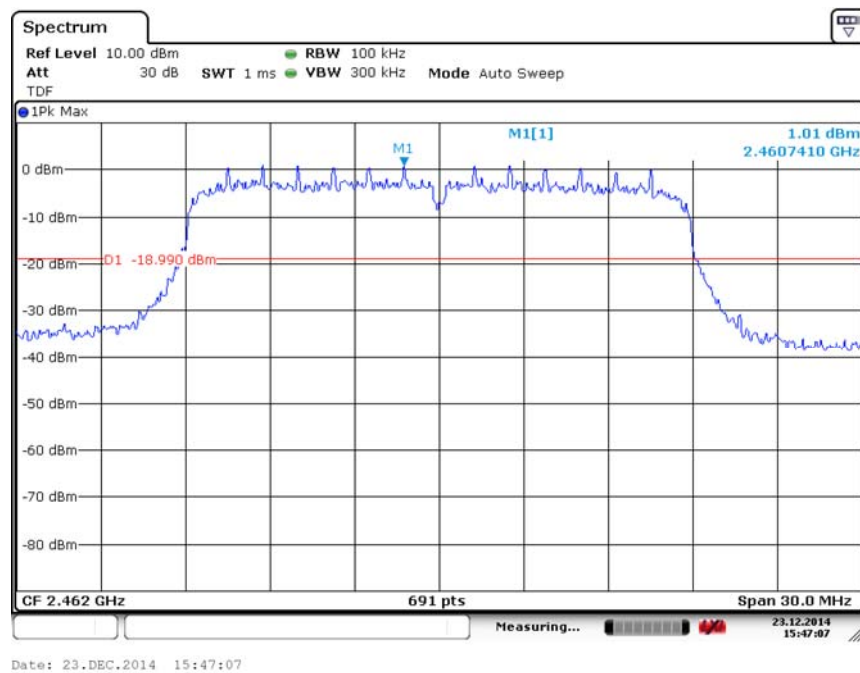


Fig.153 Conducted Spurious Emission (802.11n-20M, Ch11, Center Frequency)

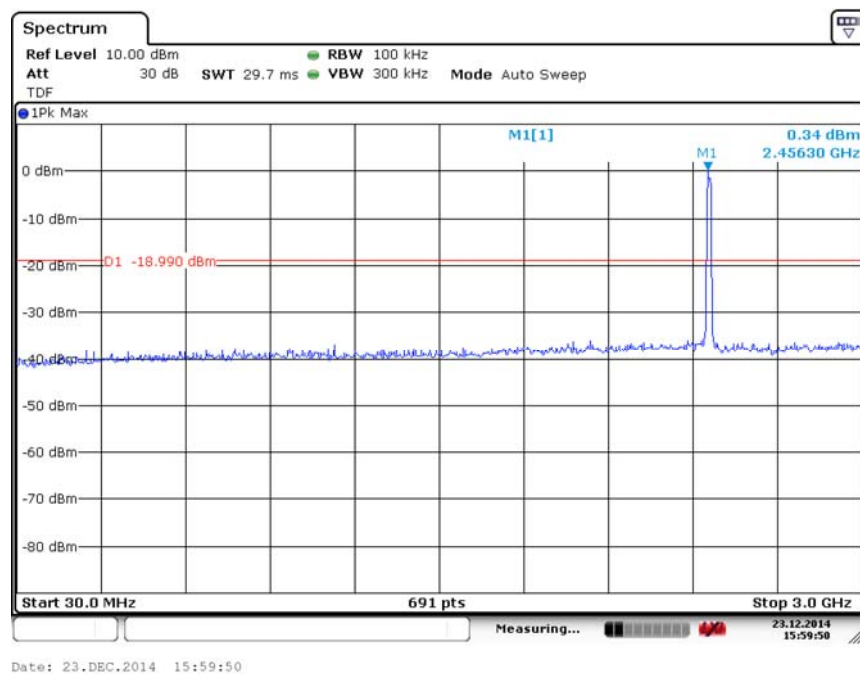


Fig.154 Conducted Spurious Emission (802.11n-20M, Ch11, 30 MHz-3 GHz)

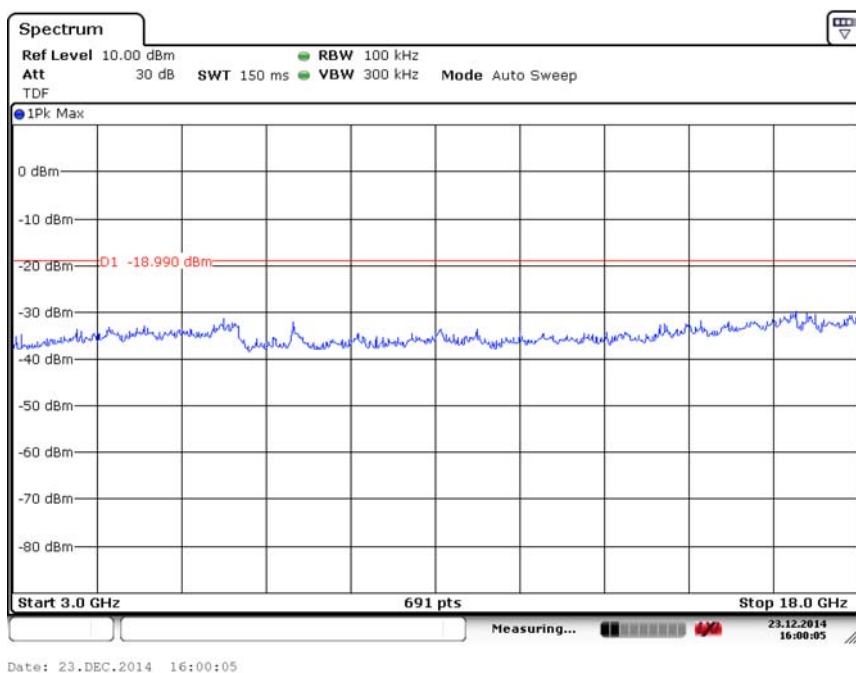


Fig.155 Conducted Spurious Emission (802.11n-20M, Ch11, 3 GHz-18 GHz)

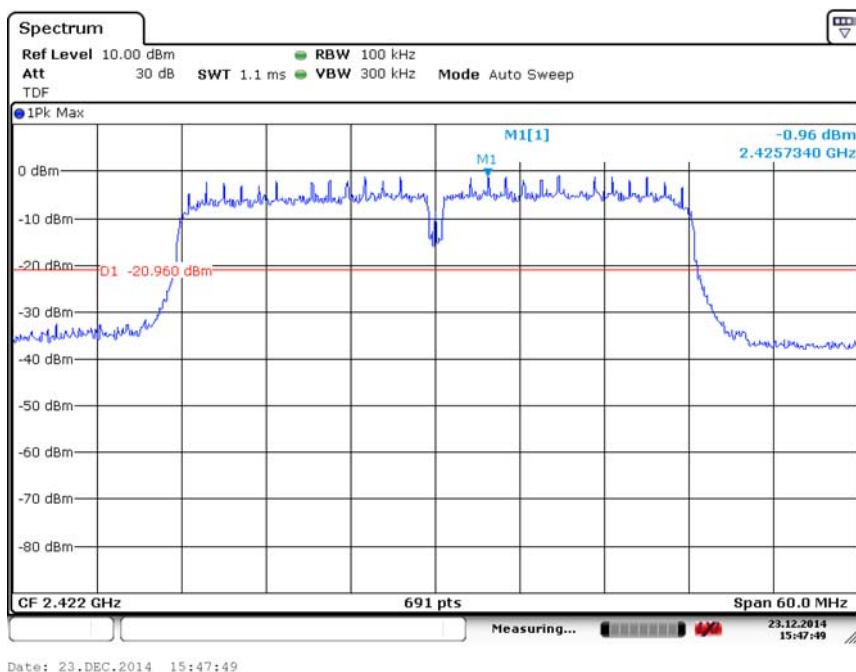


Fig.156 Conducted Spurious Emission (802.11n-40M, Ch3, Center Frequency)

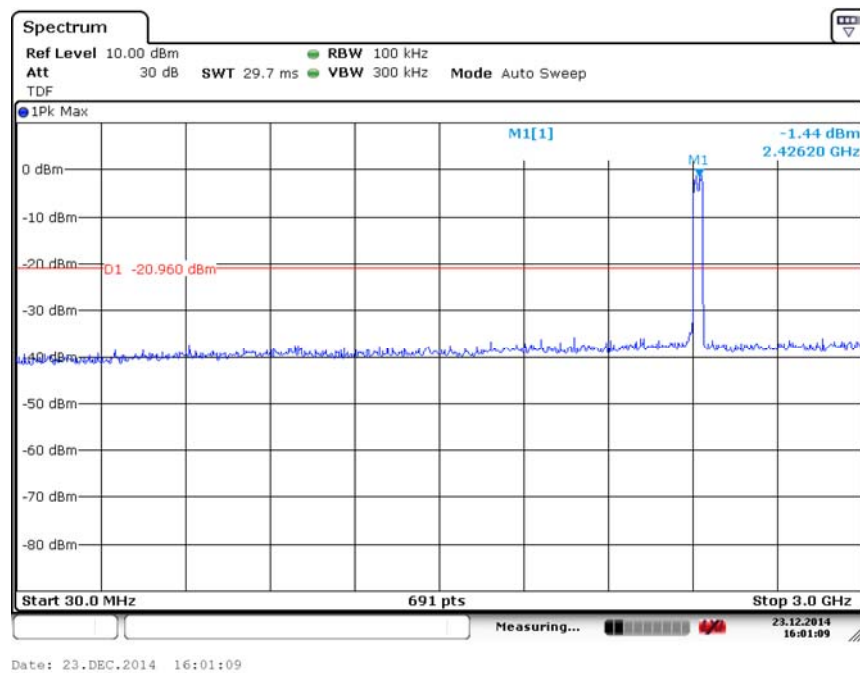


Fig.157 Conducted Spurious Emission (802.11n-40M, Ch3, 30 MHz-3 GHz)

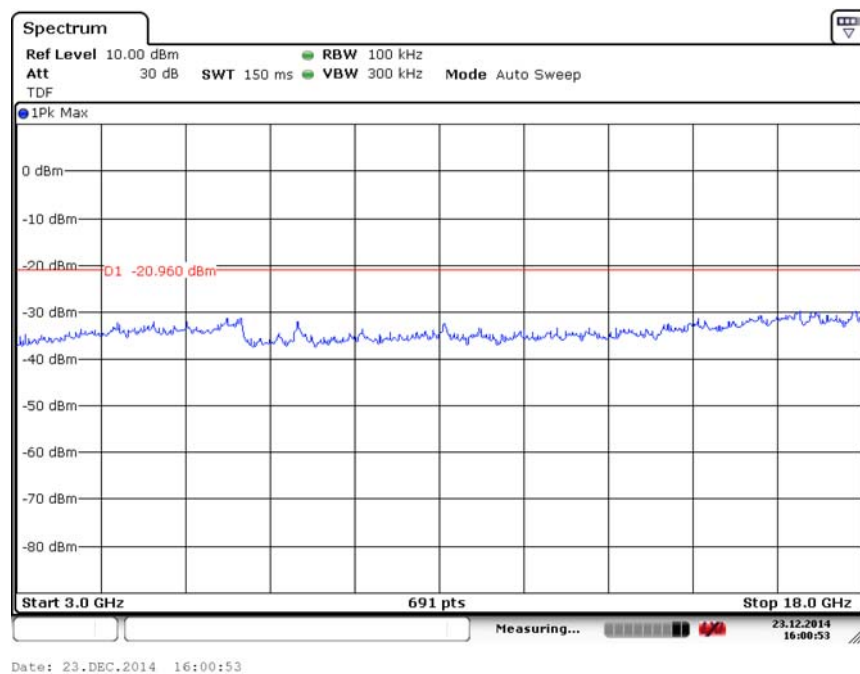


Fig.158 Conducted Spurious Emission (802.11n-40M, Ch3, 3 GHz-18 GHz)

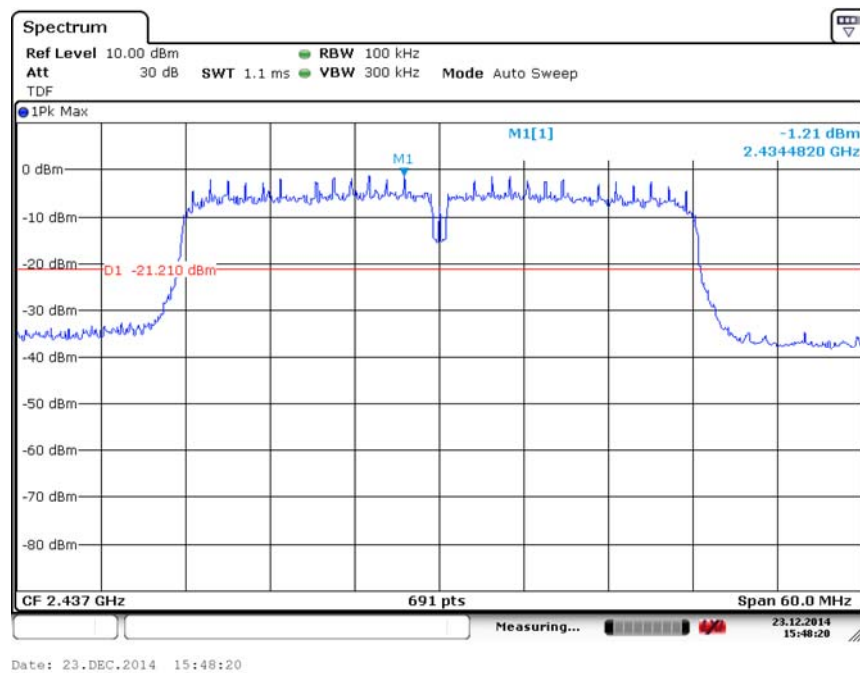


Fig.159 Conducted Spurious Emission (802.11n-40M, Ch6, Center Frequency)

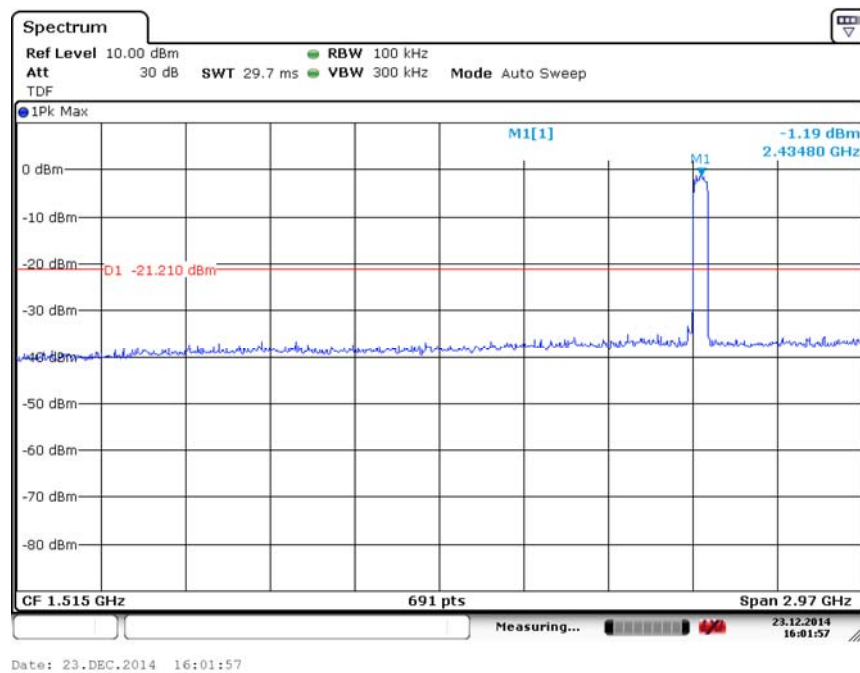


Fig.160 Conducted Spurious Emission (802.11n-40M, Ch6, 30 MHz-3 GHz)

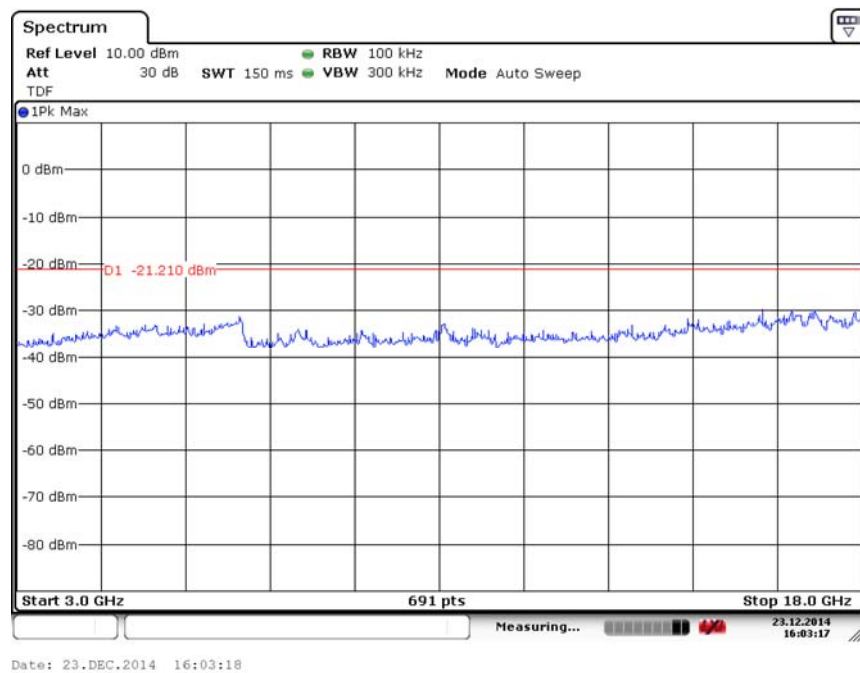


Fig.161 Conducted Spurious Emission (802.11n-40M, Ch6, 3 GHz-18 GHz)

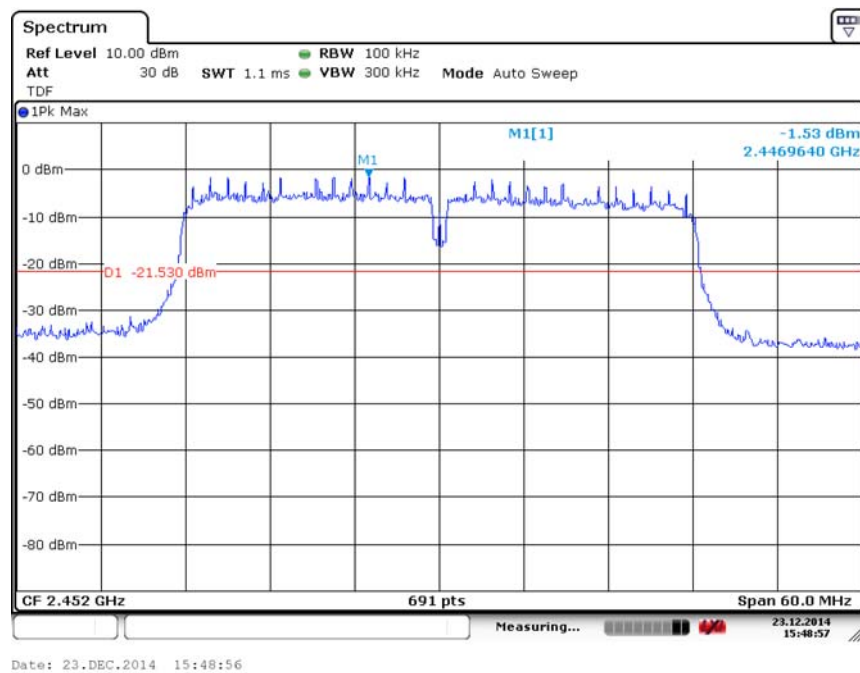


Fig.162 Conducted Spurious Emission (802.11n-40M, Ch9, Center Frequency)

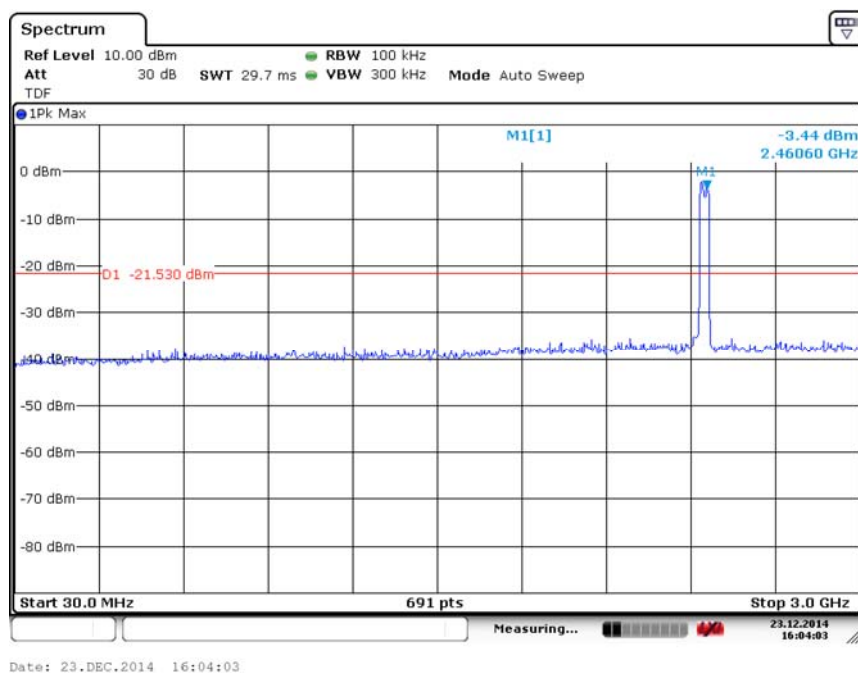


Fig.163 Conducted Spurious Emission (802.11n-40M, Ch9, 30 MHz-3 GHz)

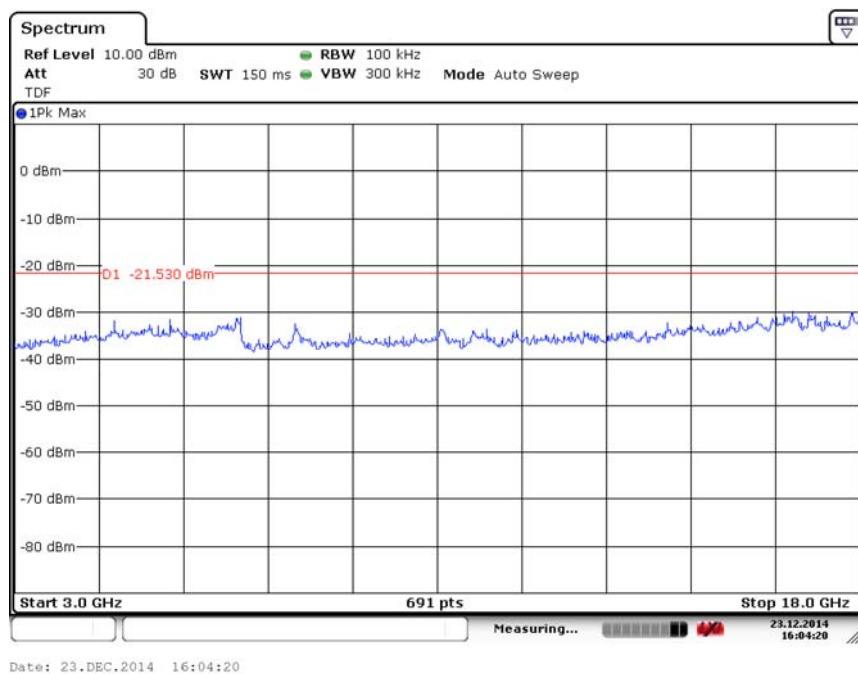


Fig.164 Conducted Spurious Emission (802.11n-40M, Ch9, 3 GHz-18 GHz)

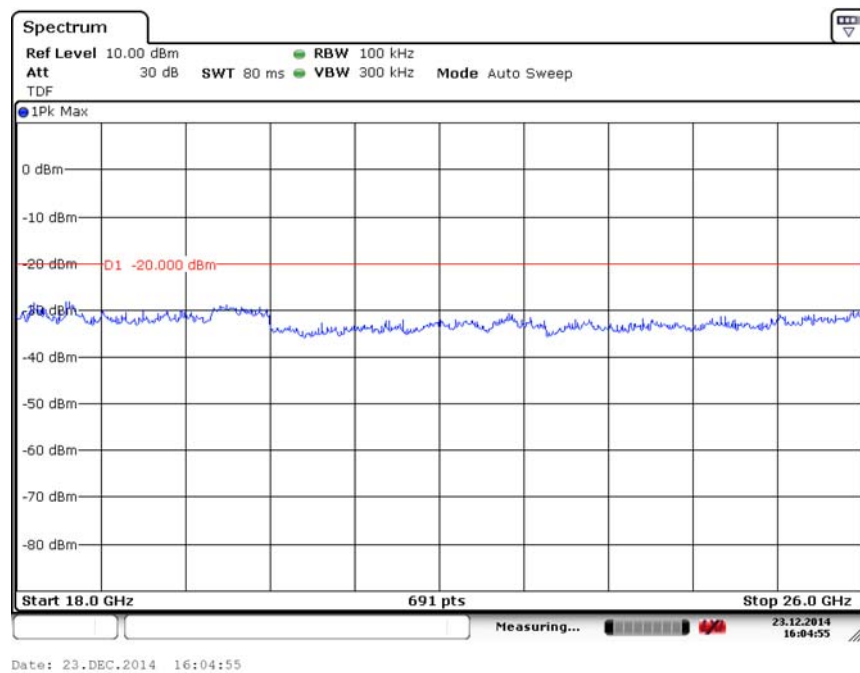


Fig.165 Conducted Spurious Emission (All channels, 18 GHz-26 GHz)

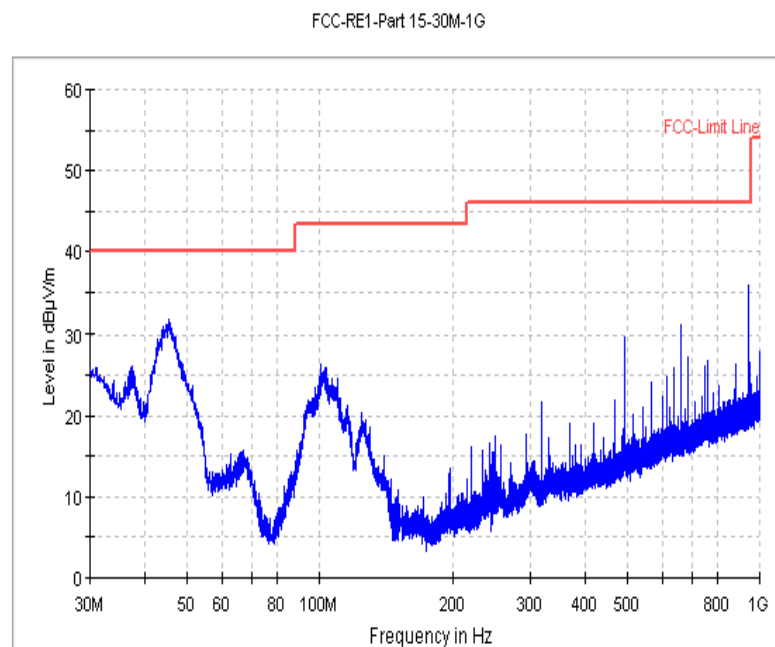


Fig.166 Radiated Spurious Emission (802.11b, Ch1, 30MHz-1 GHz)

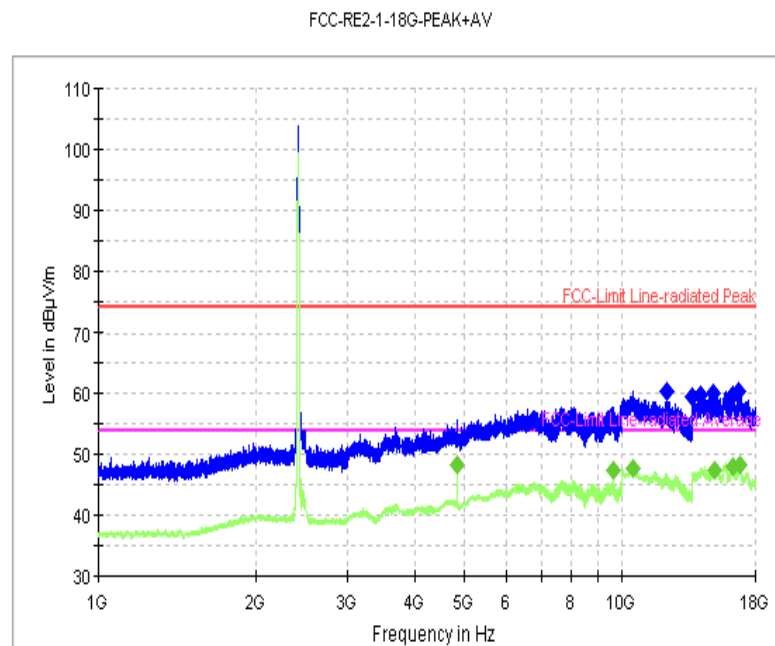


Fig.167 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-18 GHz)

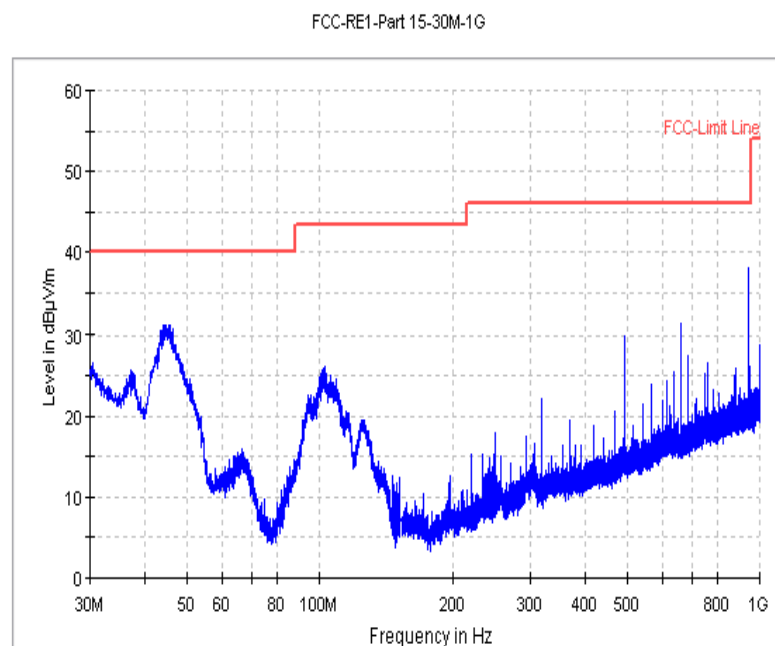


Fig.168 Radiated Spurious Emission (802.11b, Ch6, 30MHz-1 GHz)

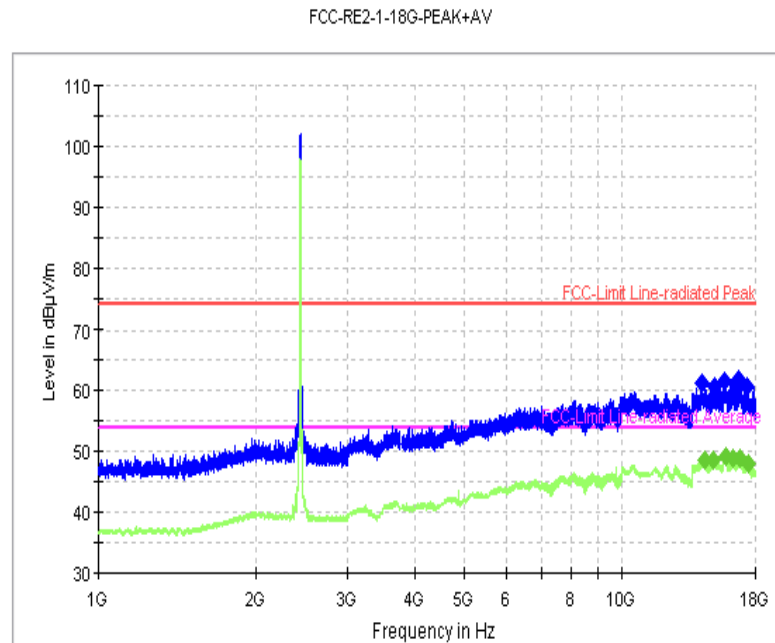


Fig.169 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-18 GHz)

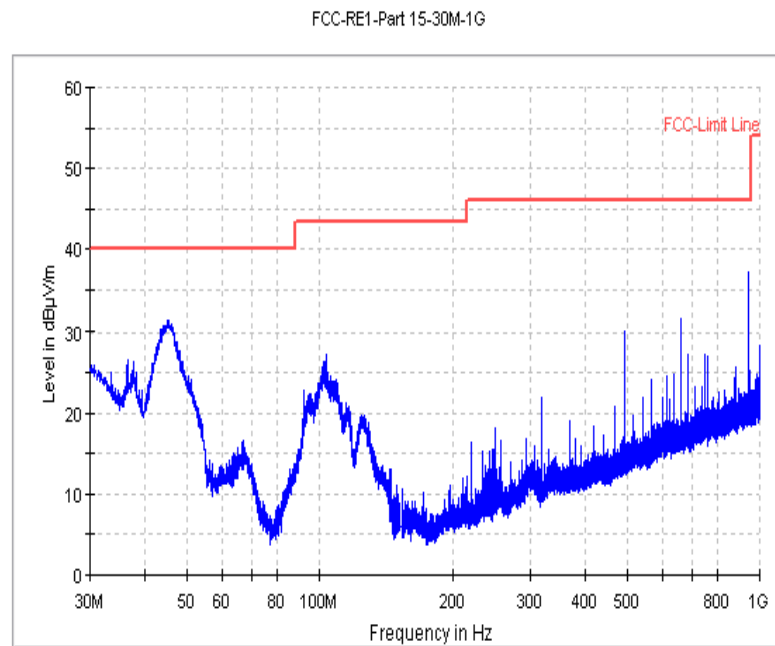


Fig.170 Radiated Spurious Emission (802.11b, Ch11, 30MHz-1 GHz)

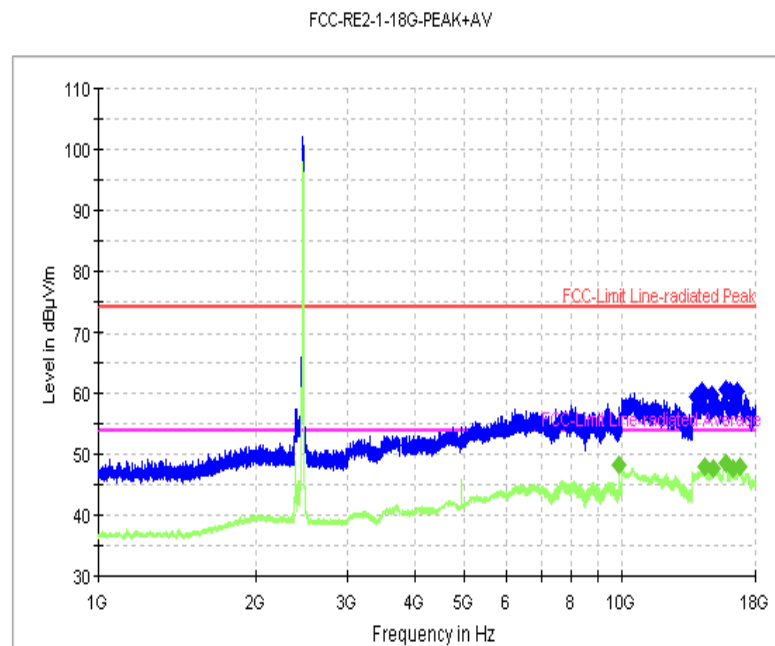


Fig.171 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-18 GHz)

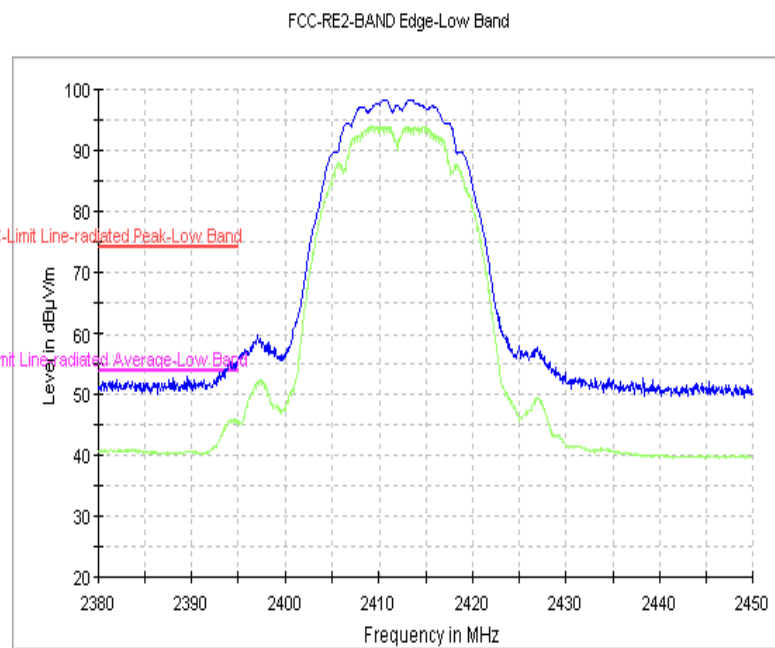


Fig.172 Radiated Emission Power (802.11b, Ch1, 2380GHz~2450GHz)

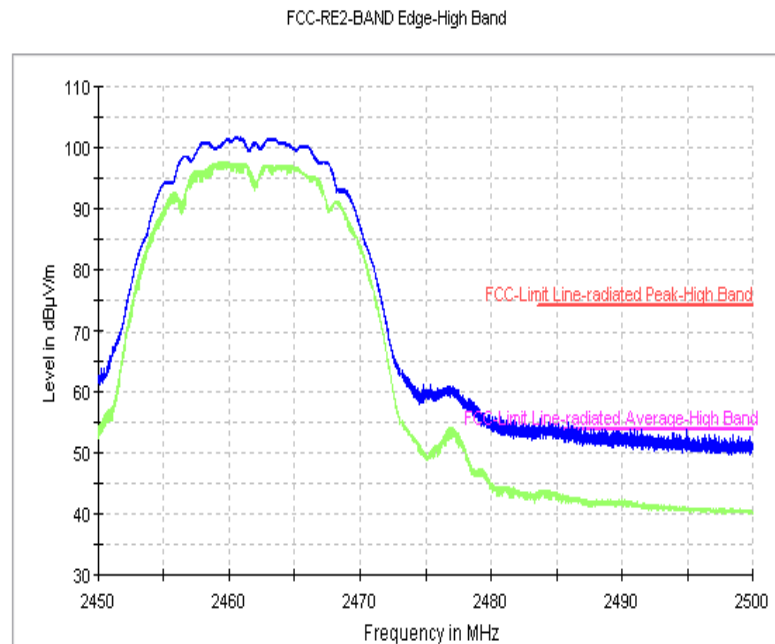


Fig.173 Radiated Emission Power (802.11b, Ch11, 2450GHz~2500GHz)

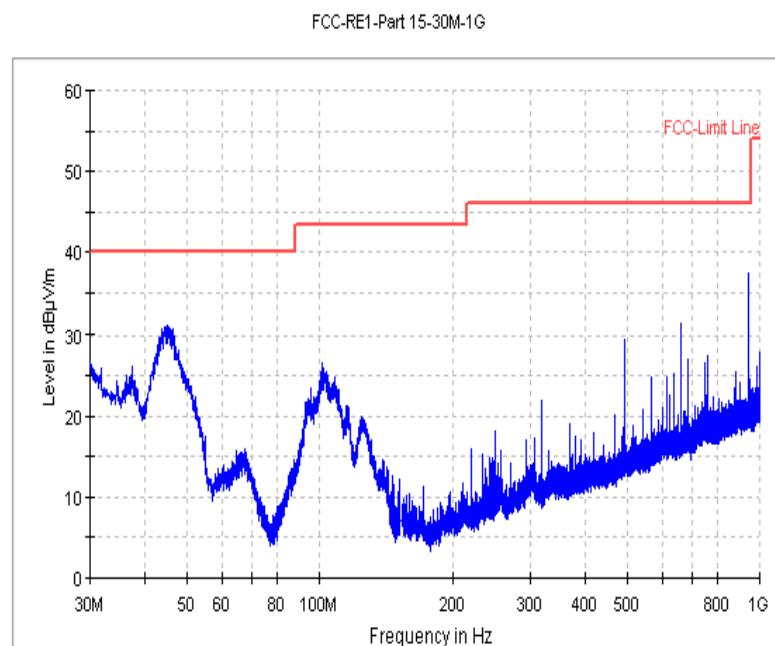


Fig.174 Radiated Spurious Emission (802.11g, Ch1,30MHz-1 GHz)

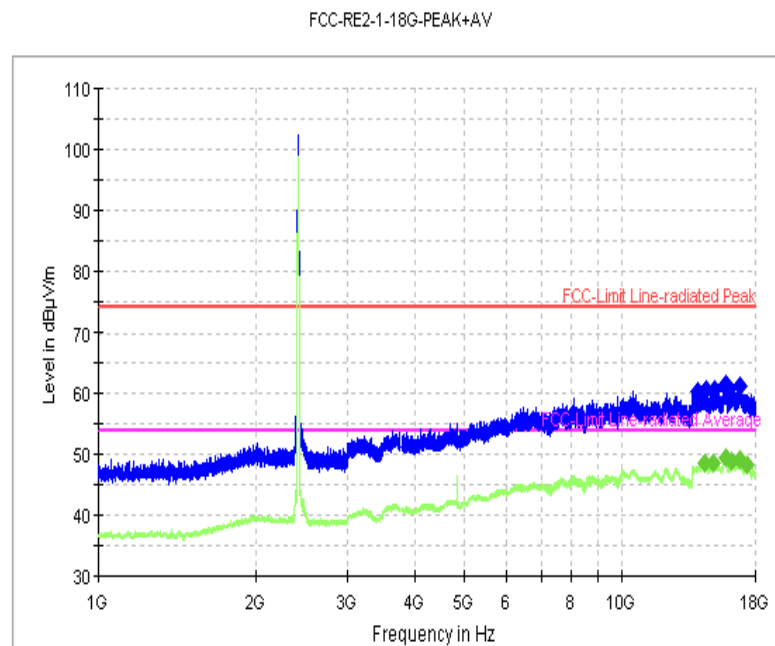


Fig.175 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-18 GHz)

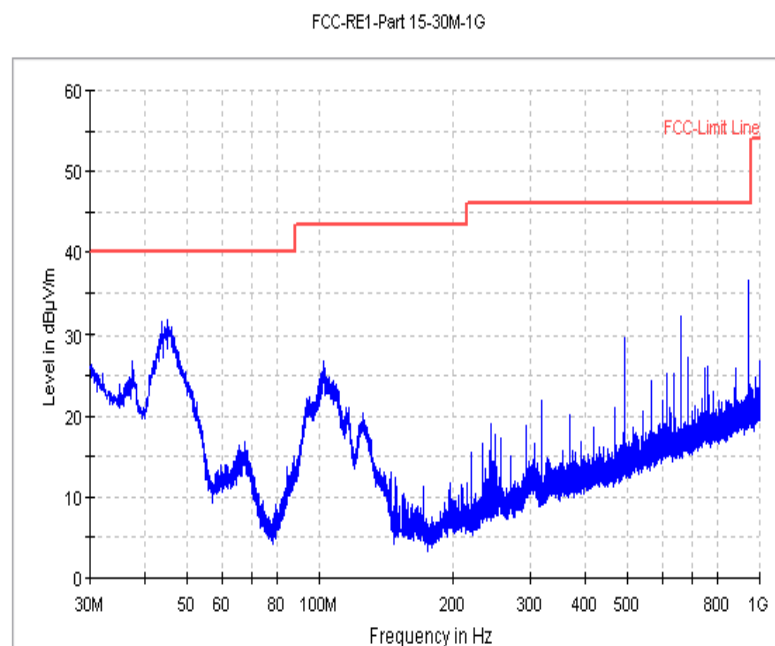


Fig.176 Radiated Spurious Emission (802.11g, Ch6, 30MHz-1 GHz)

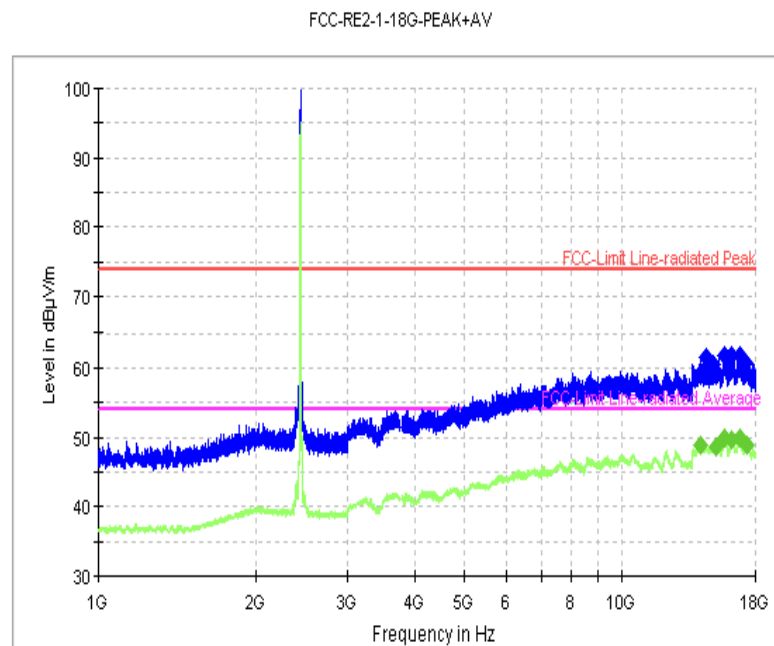


Fig.177 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-18 GHz)

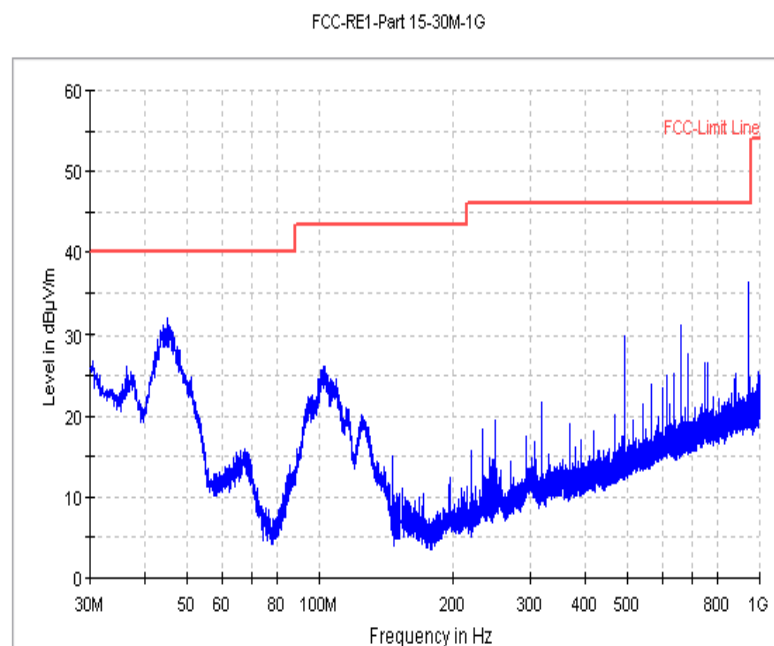


Fig.178 Radiated Spurious Emission (802.11g, Ch11, 30MHz-1 GHz)

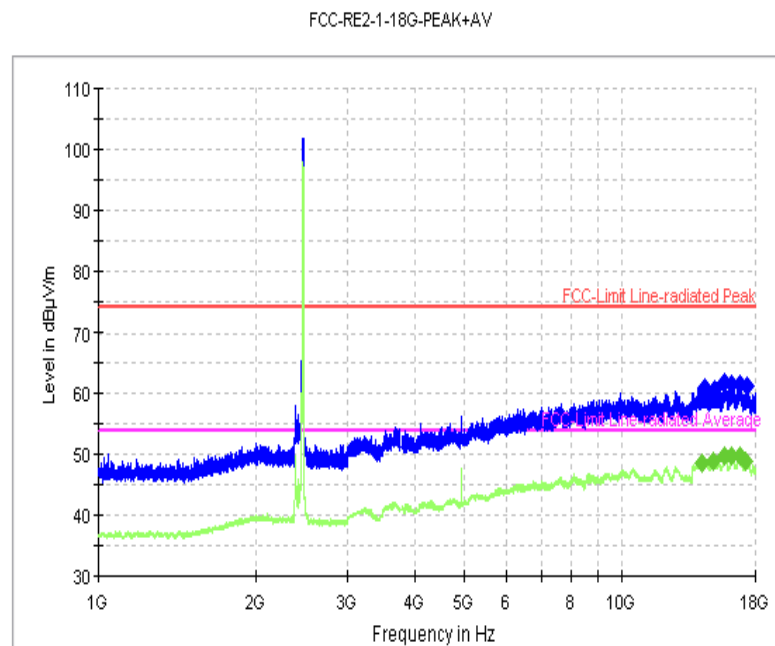


Fig.179 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-18 GHz)

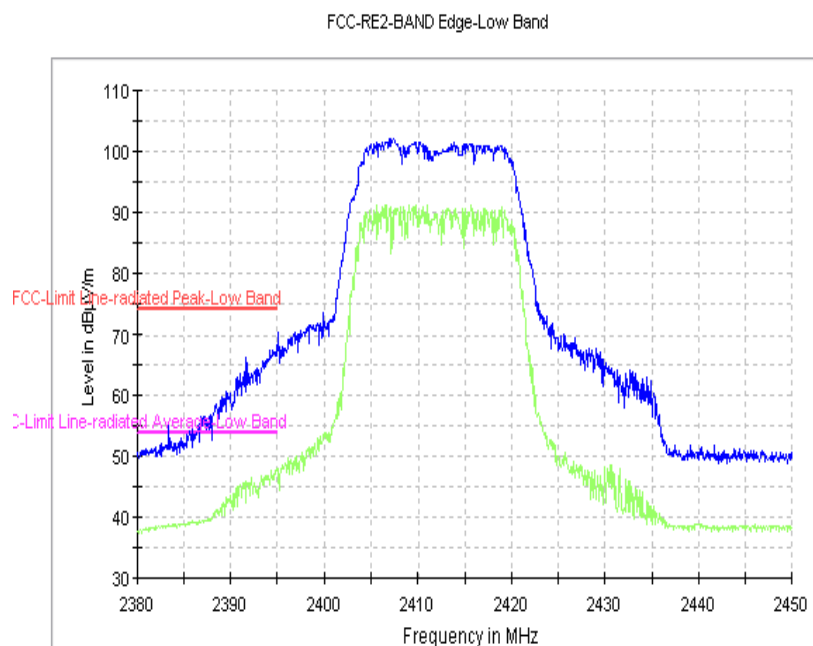


Fig.180 Radiated Emission Power (802.11g, Ch1, 2380GHz~2450GHz)

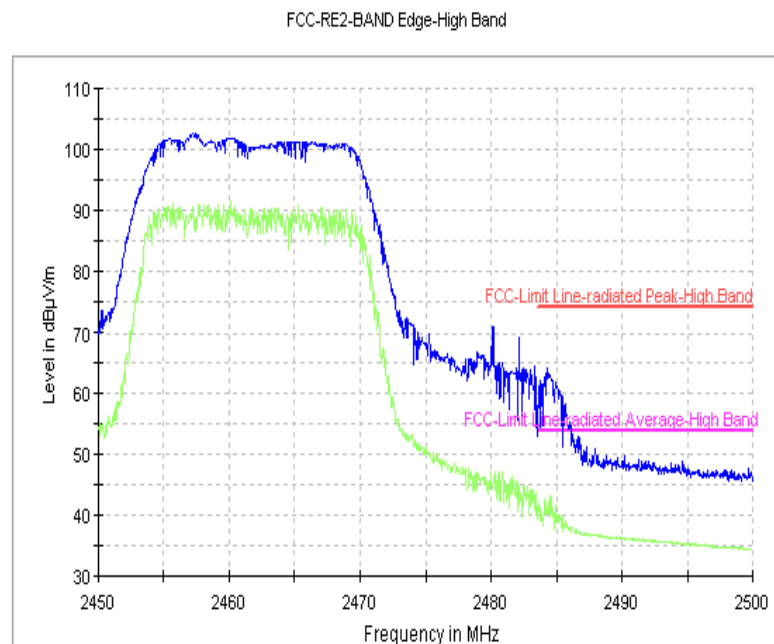


Fig.181 Radiated Emission Power (802.11g, Ch11, 2450GHz~2500GHz)

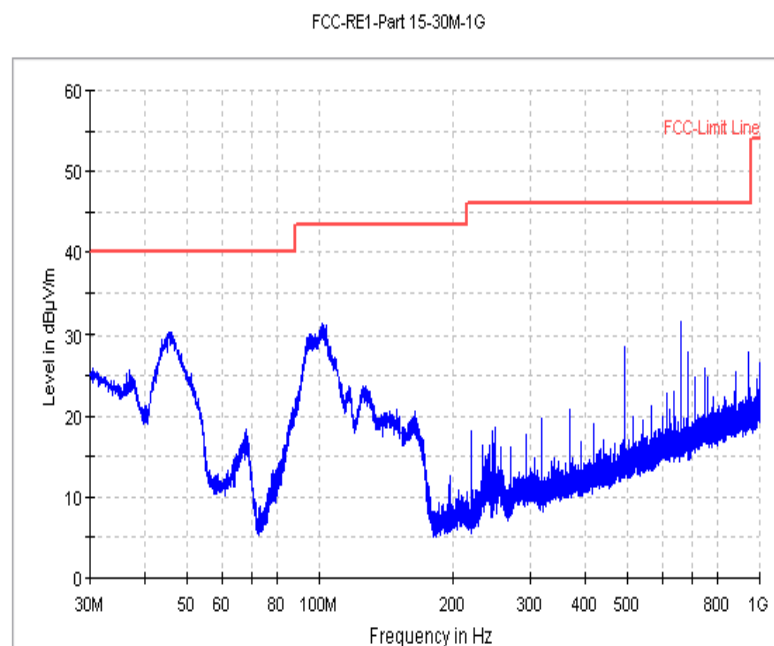


Fig.182 Radiated Spurious Emission (802.11n-20M, Ch1, 30MHz-1 GHz)

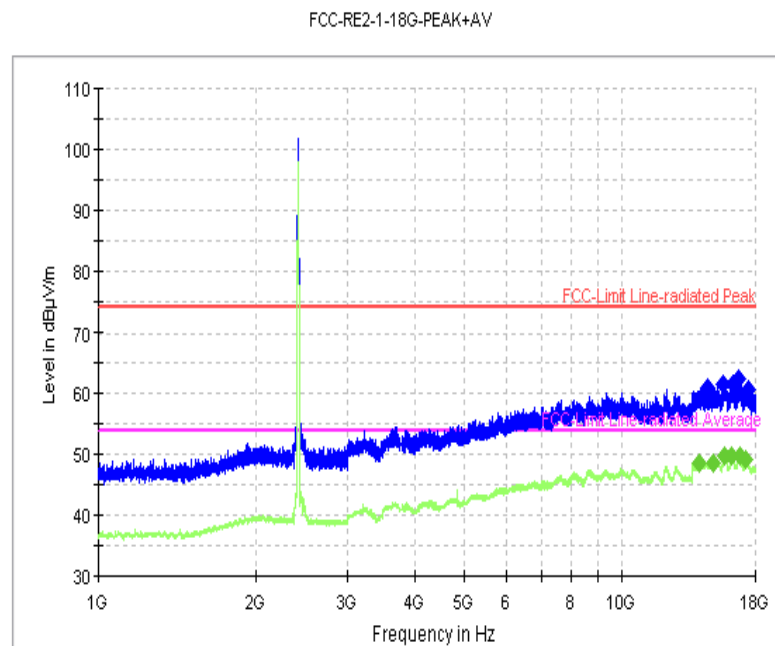


Fig.183 Radiated Spurious Emission (802.11n-20M, Ch1, 1 GHz-18 GHz)

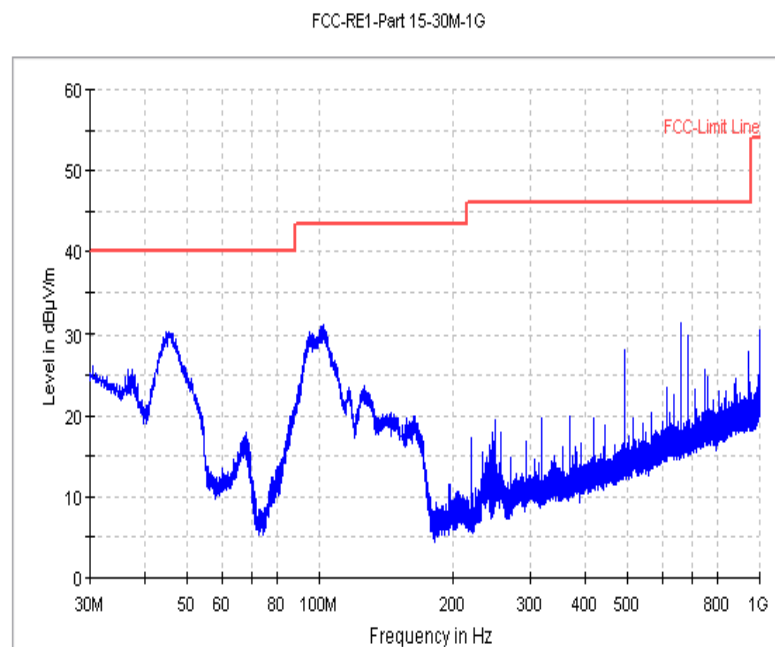


Fig.184 Radiated Spurious Emission (802.11n-20M, Ch6, 30MHz-1 GHz)

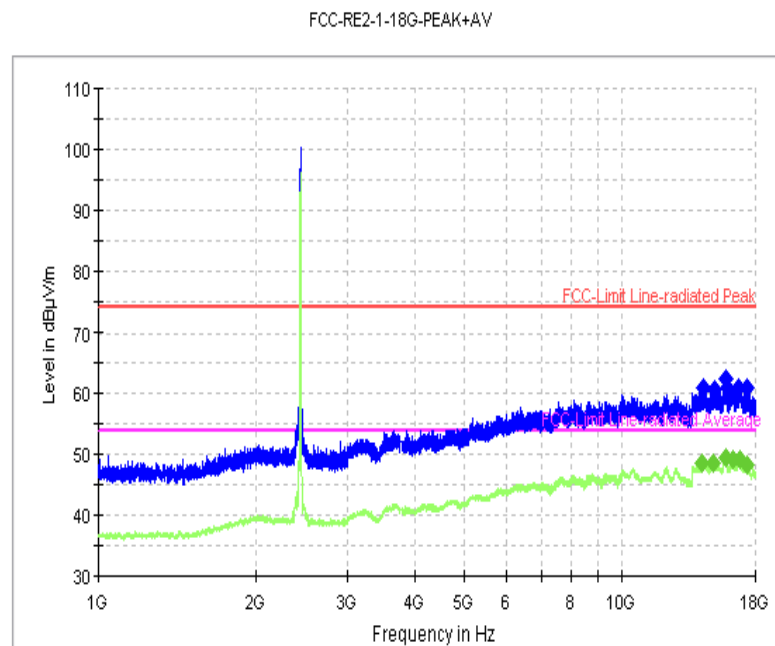


Fig.185 Radiated Spurious Emission (802.11n-20M, Ch6, 1 GHz-18 GHz)

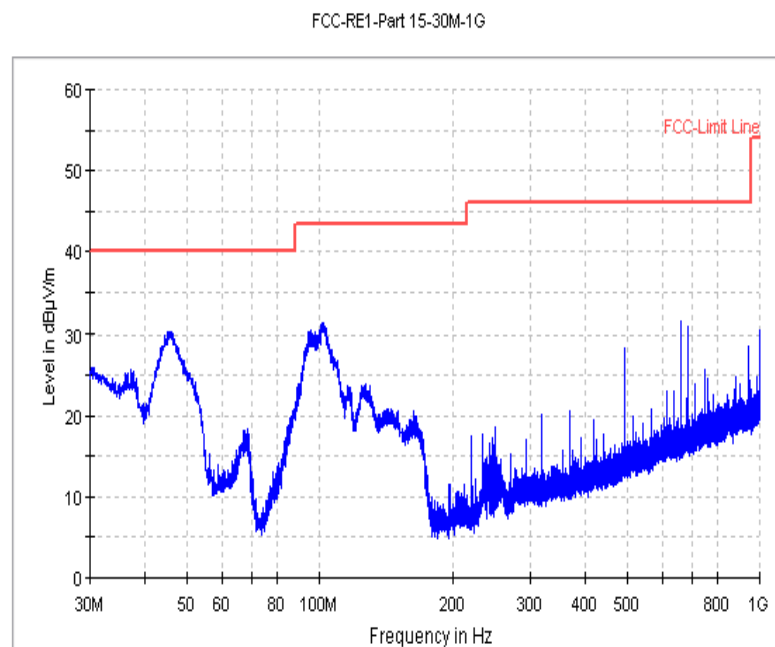


Fig.186 Radiated Spurious Emission (802.11n-20M, Ch11, 30MHz-1 GHz)

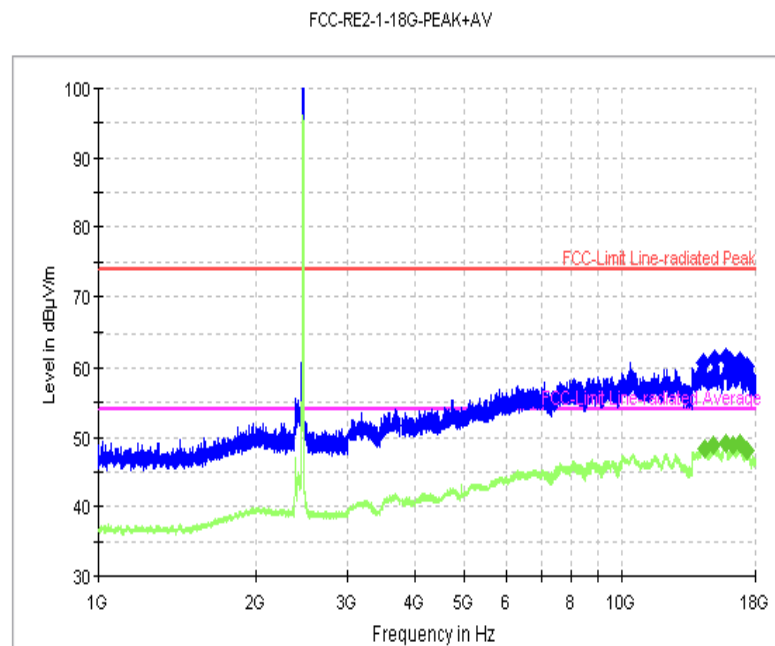


Fig.187 Radiated Spurious Emission (802.11n-20M, Ch11, 1 GHz-18 GHz)

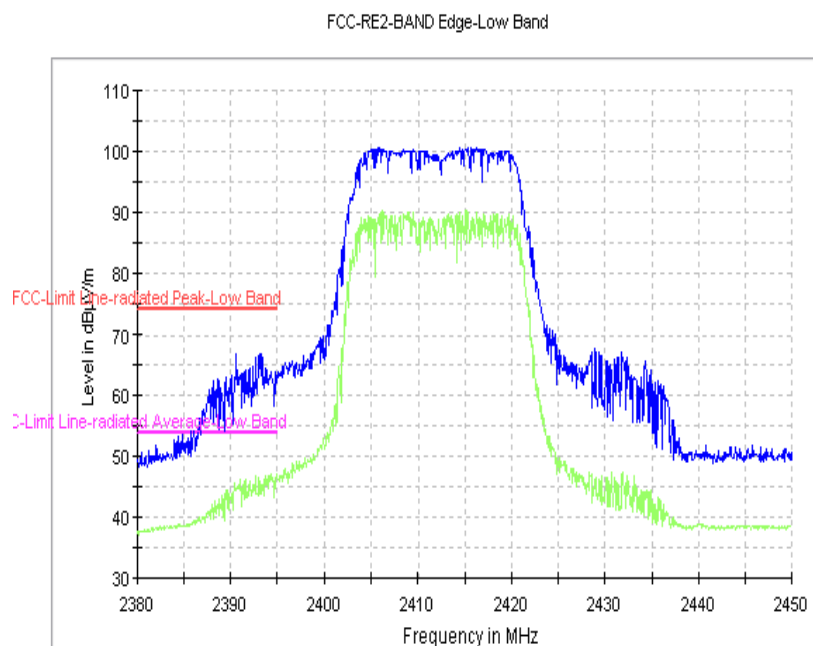


Fig.188 Radiated Emission Power (802.11n-20M, Ch1, 2380GHz~2450GHz)

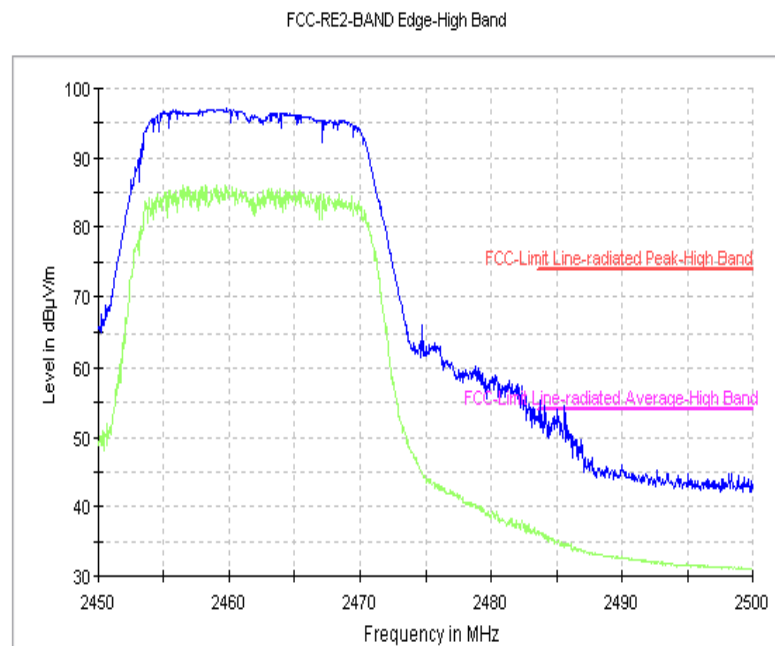


Fig.189 Radiated Emission Power (802.11n-20M, Ch11, 2450GHz~2500GHz)

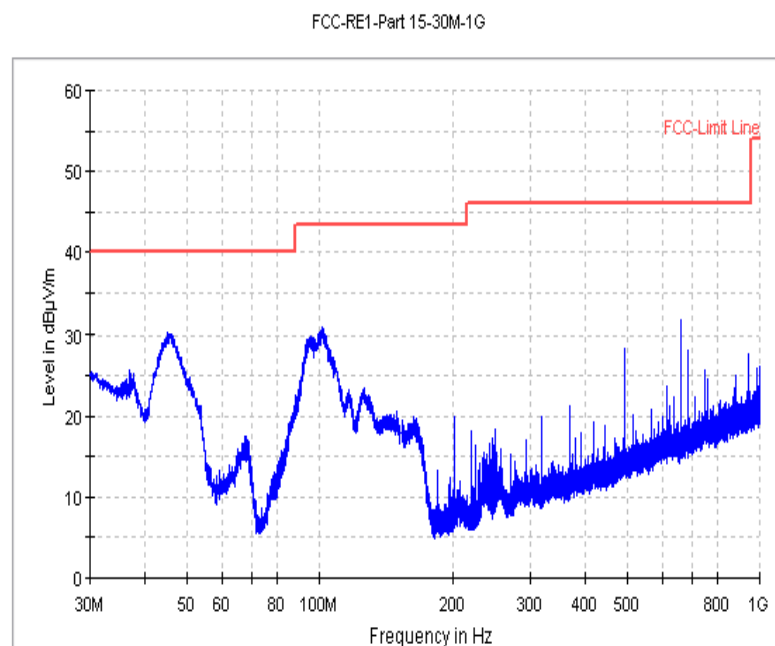


Fig.190 Radiated Spurious Emission (802.11n-40M, Ch3, 30MHz-1 GHz)

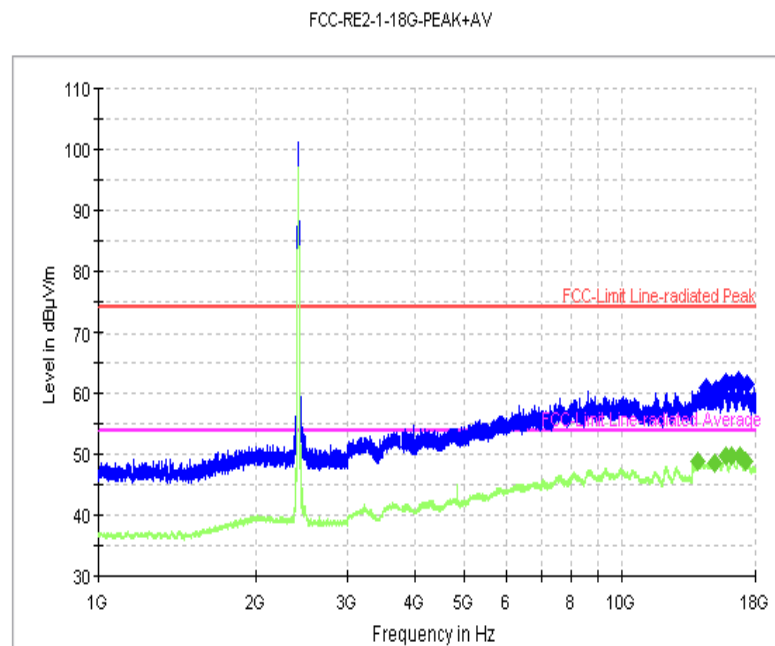


Fig.191 Radiated Spurious Emission (802.11n-40M, Ch3, 1 GHz-18 GHz)

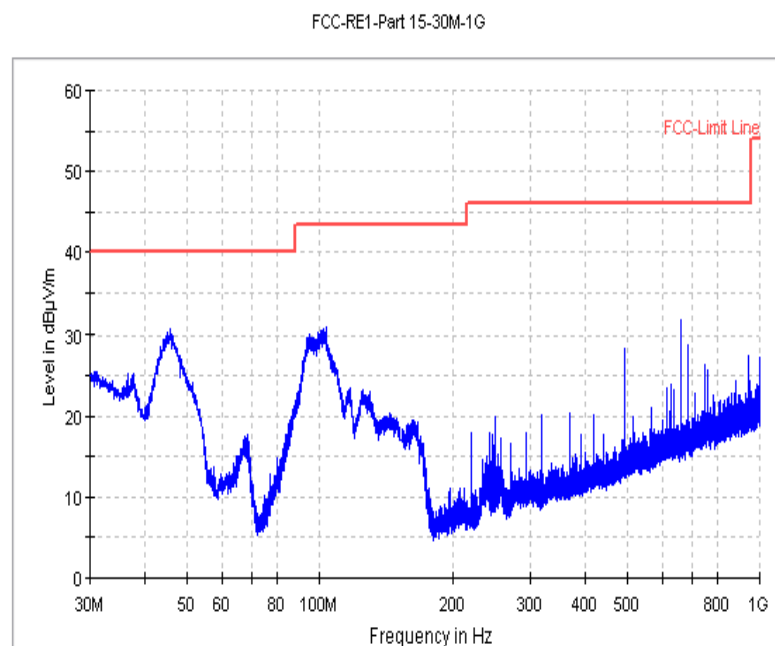


Fig.192 Radiated Spurious Emission (802.11n-40M, Ch6, 30MHz-1 GHz)

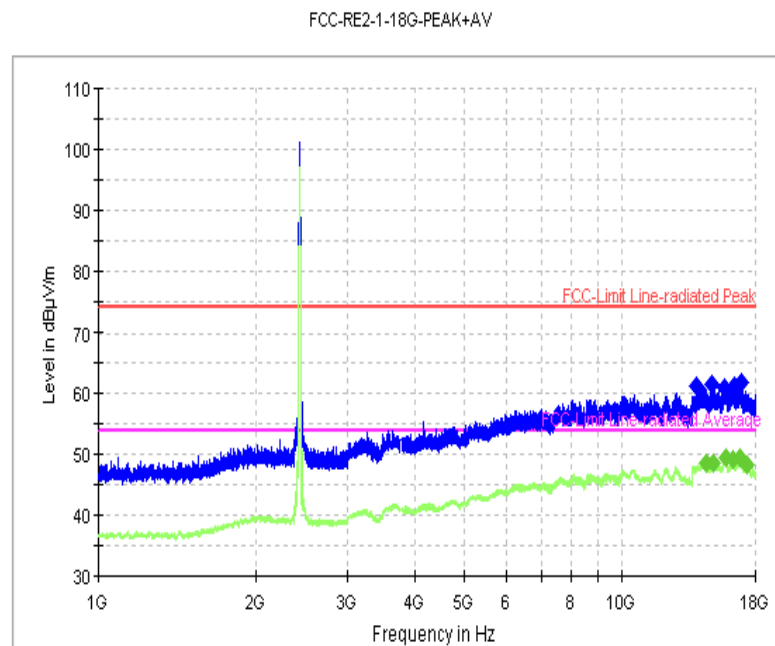


Fig.193 Radiated Spurious Emission (802.11n-40M, Ch6, 1 GHz-18 GHz)

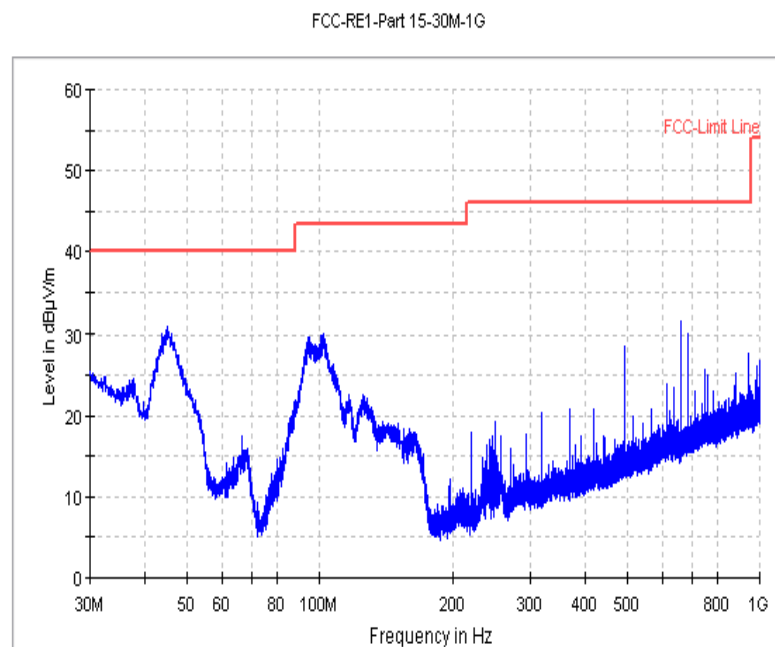


Fig.194 Radiated Spurious Emission (802.11n-40M, Ch9, 30MHz-1 GHz)

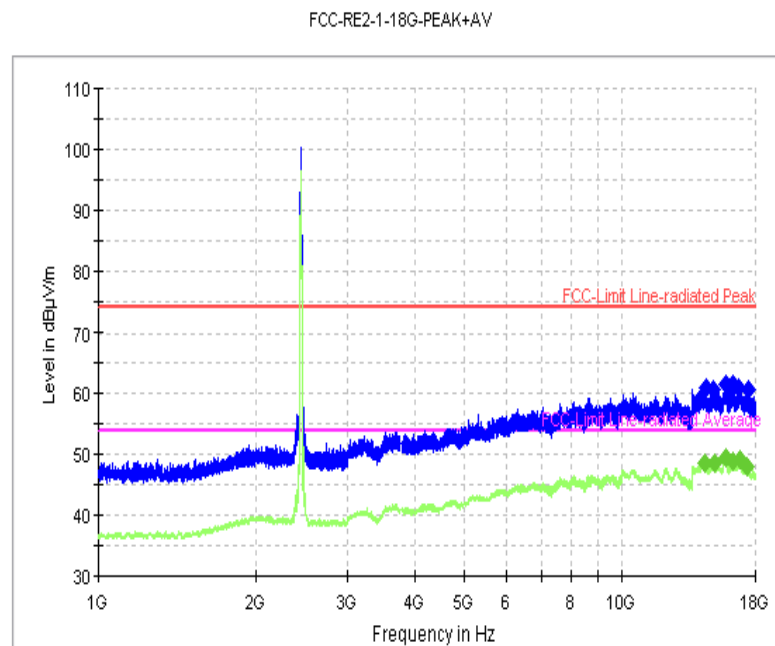


Fig.195 Radiated Spurious Emission (802.11n-40M, Ch9, 1 GHz-18 GHz)

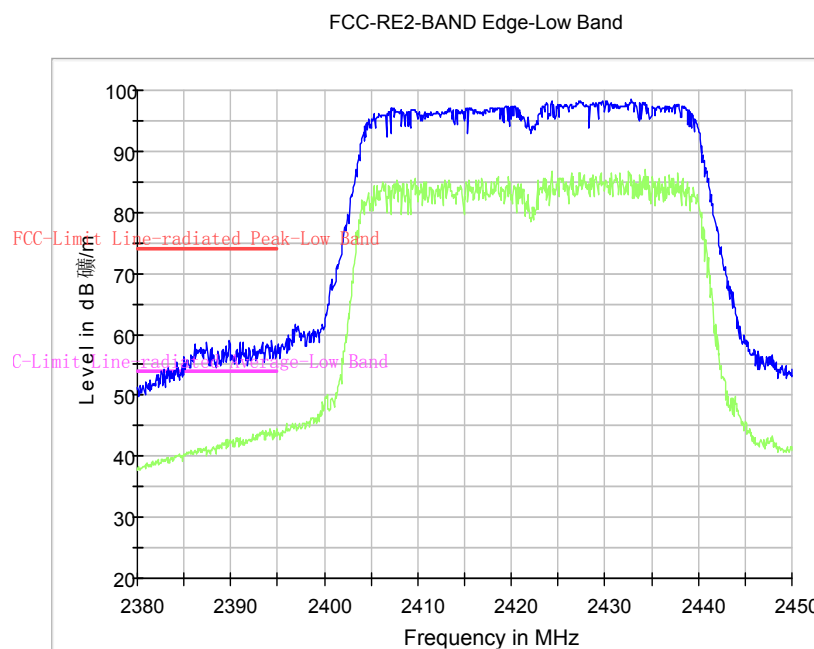


Fig.196 Radiated Emission Power (802.11n-40M, Ch3, 2380GHz~2450GHz)

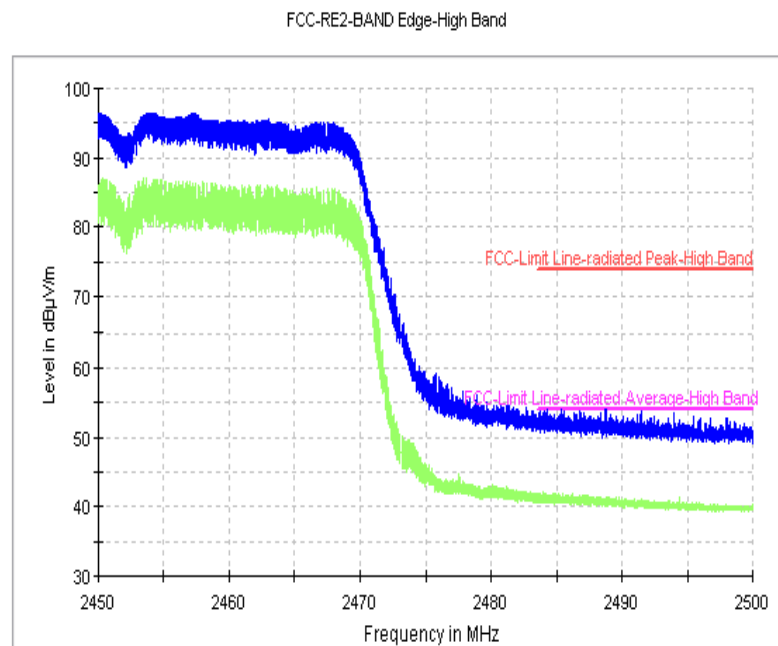


Fig.197 Radiated Emission Power (802.11n-20M, Ch9, 2450GHz~2500GHz)

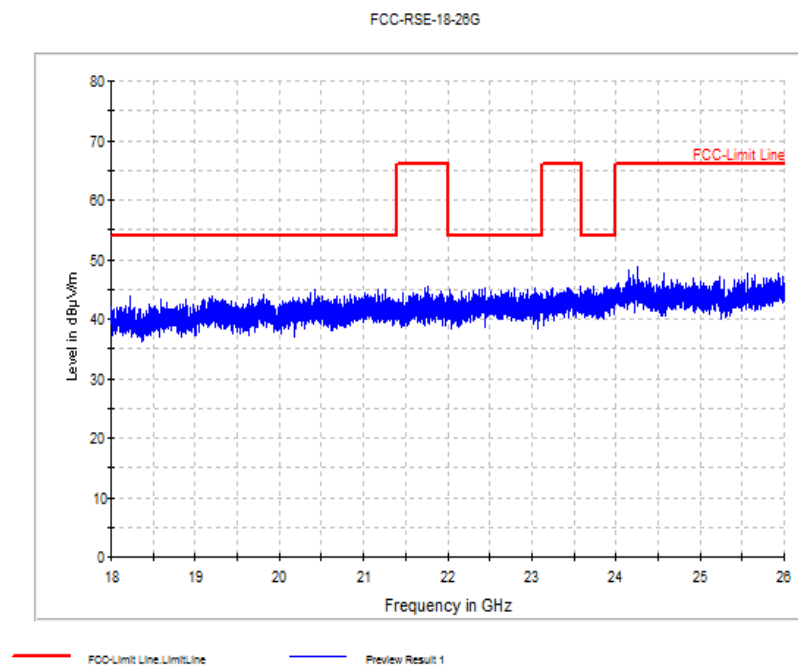


Fig.198 Radiated emission: 18 GHz - 26 GHz

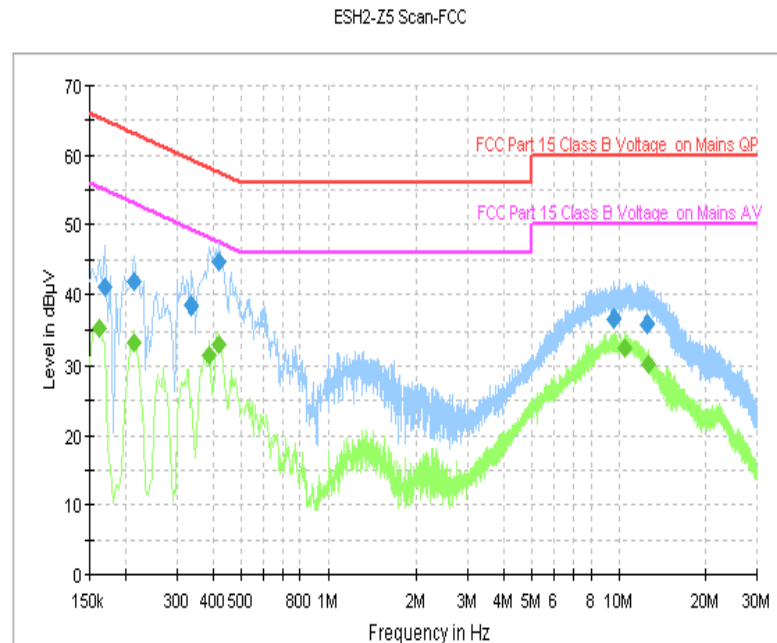


Fig.199 AC Powerline Conducted Emission (Traffic, AE1)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.170000	41.0	FLO	L1	10.0	23.9	65.0
0.214000	41.8	FLO	N	10.1	21.2	63.0
0.338000	38.5	FLO	N	10.0	20.8	59.3
0.418000	44.7	FLO	N	10.1	12.7	57.5
9.606000	36.7	FLO	L1	10.3	23.3	60.0
12.46600	36.0	FLO	L1	10.4	24.0	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.162000	35.3	FLO	N	10.1	20.0	55.4
0.214000	33.3	FLO	N	10.1	19.7	53.0
0.390000	31.5	FLO	N	10.0	16.6	48.1
0.418000	33.0	FLO	N	10.1	14.5	47.5
10.442000	32.5	FLO	L1	10.3	17.5	50.0
12.674000	30.3	FLO	N	10.5	19.7	50.0

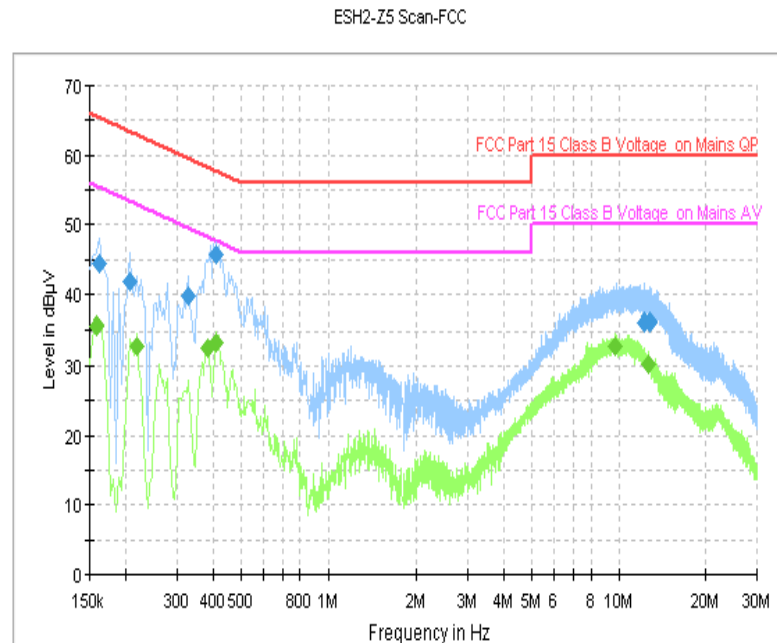


Fig.200 AC Powerline Conducted Emission (Idle, AE1)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.162000	44.4	FLO	L1	10.0	21.0	65.4
0.206000	41.9	FLO	N	10.1	21.5	63.4
0.330000	39.7	FLO	N	10.0	19.8	59.5
0.410000	45.7	FLO	N	10.1	11.9	57.6
12.302000	36.1	FLO	L1	10.4	23.9	60.0
12.782000	36.1	FLO	N	10.5	23.9	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	35.7	FLO	N	10.1	19.9	55.6
0.218000	32.7	FLO	N	10.0	20.2	52.9
0.386000	32.4	FLO	N	10.0	15.7	48.1
0.410000	33.3	FLO	N	10.1	14.3	47.6
9.758000	32.9	FLO	L1	10.3	17.1	50.0
12.622000	30.3	FLO	N	10.5	19.7	50.0

ANNEX D: Persons involved in this testing

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

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
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).
No.CNAS AL 20010037

END OF REPORT