



**FCC PART 15C  
TEST REPORT  
No. 2013WLN0605**

for

**TCT Mobile Limited**

**HSUPA/HSDPA/UMTS triband/GSM quadband mobile phone**

**Type: Megane 1SIM US**

**Market Name: ONE TOUCH 5020A**

With

**FCC ID: RAD343**

**Hardware Version: V2C56-0**

**Software Version: PIO**

**Issued Date: 2013-02-27**



**Note:**

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

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## **CONTENTS**

<b>CONTENTS</b> .....	<b>2</b>
<b>1. TEST LABORATORY</b> .....	<b>8</b>
1.1. TESTING LOCATION.....	8
1.2. TESTING ENVIRONMENT.....	8
1.3. PROJECT DATA .....	8
1.4. SIGNATURE .....	8
<b>2. CLIENT INFORMATION</b> .....	<b>9</b>
2.1. APPLICANT INFORMATION.....	9
2.2. MANUFACTURER INFORMATION.....	9
<b>3. EQUIPMENT UNDER TEST(EUT) AND ANCILLARY EQUIPMENT(AE) .....</b>	<b>10</b>
3.1. ABOUT EUT .....	10
3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST.....	10
3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST .....	10
3.4. GENERAL DESCRIPTION .....	10
<b>4. REFERENCE DOCUMENTS .....</b>	<b>11</b>
4.1. DOCUMENTS SUPPLIED BY APPLICANT.....	11
4.2. REFERENCE DOCUMENTS FOR TESTING .....	11
<b>5. LABORATORY ENVIRONMENT .....</b>	<b>12</b>
<b>6. SUMMARY OF TEST RESULTS</b> .....	<b>13</b>
6.1. SUMMARY OF TEST RESULTS .....	13
6.2. STATEMENTS.....	13
<b>7. TEST EQUIPMENTS UTILIZED</b> .....	<b>14</b>
<b>ANNEX A: MEASUREMENT RESULTS .....</b>	<b>15</b>
A.1. MEASUREMENT METHOD .....	15
A.2. MAXIMUM OUTPUT POWER .....	16
A.2.1. MAXIMUM PEAK OUTPUT POWER-CONDUCTED .....	16
A.2.2. MAXIMUM AVERAGE OUTPUT POWER-CONDUCTED.....	18
A.3. PEAK POWER SPECTRAL DENSITY .....	19
FIG. 1 POWER SPECTRAL DENSITY (802.11B, CH 1).....	20
FIG. 2 POWER SPECTRAL DENSITY (802.11B, CH 6).....	20
FIG. 3 POWER SPECTRAL DENSITY (802.11B, CH 11).....	21
FIG. 4 POWER SPECTRAL DENSITY (802.11G, CH 1).....	21
FIG. 5 POWER SPECTRAL DENSITY (802.11G, CH 6).....	22
FIG. 6 POWER SPECTRAL DENSITY (802.11G, CH 11).....	22
FIG. 7 POWER SPECTRAL DENSITY (802.11N-20MHZ, CH 1).....	23
FIG. 8 POWER SPECTRAL DENSITY (802.11N-20MHZ, CH 6).....	23

FIG. 9 POWER SPECTRAL DENSITY (802.11N-20MHZ, CH 11) .....	24
FIG. 10POWER SPECTRAL DENSITY (802.11N-40MHZ, CH 3).....	24
FIG. 11POWER SPECTRAL DENSITY (802.11N-40MHZ, CH 6).....	25
FIG. 12POWER SPECTRAL DENSITY (802.11N-40MHZ, CH 9).....	25
A.4. OCCUPIED 6DB BANDWIDTH .....	26
FIG. 13OCCUPIED 6DB BANDWIDTH (802.11B, CH 1) .....	27
FIG. 14OCCUPIED 6DB BANDWIDTH (802.11B, CH 6) .....	27
FIG. 15OCCUPIED 6DB BANDWIDTH (802.11B, CH 11).....	28
FIG. 16OCCUPIED 6DB BANDWIDTH (802.11G, CH 1) .....	28
FIG. 17OCCUPIED 6DB BANDWIDTH (802.11G, CH 6) .....	29
FIG. 18OCCUPIED 6DB BANDWIDTH (802.11G, CH 11).....	29
FIG. 19OCCUPIED 6DB BANDWIDTH (802.11N-20MHZ, CH 1).....	30
FIG. 20OCCUPIED 6DB BANDWIDTH (802.11N-20MHZ, CH 6).....	30
FIG. 21OCCUPIED 6DB BANDWIDTH (802.11N-20MHZ, CH 11).....	31
FIG. 22OCCUPIED 6DB BANDWIDTH (802.11N-40MHZ, CH 3).....	31
FIG. 23OCCUPIED 6DB BANDWIDTH (802.11N-40MHZ, CH 6).....	32
FIG. 24OCCUPIED 6DB BANDWIDTH (802.11N-40MHZ, CH 9).....	32
A.5. BAND EDGES COMPLIANCE.....	33
FIG. 25BAND EDGES (802.11B, CH 1) .....	34
FIG. 26BAND EDGES (802.11B, CH 11).....	34
FIG. 27BAND EDGES (802.11G, CH 1) .....	35
FIG. 28BAND EDGES (802.11G, CH 11).....	35
FIG. 29BAND EDGES (802.11N-20MHZ, CH 1).....	36
FIG. 30BAND EDGES (802.11N-20MHZ, CH 11) .....	36
FIG. 31BAND EDGES (802.11N-40MHZ, CH 3).....	37
FIG. 32BAND EDGES (802.11N-40MHZ, CH 9).....	37
A.6. TRANSMITTER SPURIOUS EMISSION .....	38
A.6.1 TRANSMITTER SPURIOUS EMISSION - CONDUCTED .....	38
FIG. 33CONDUCTED SPURIOUS EMISSION (802.11B, CH1, CENTER FREQUENCY).....	42
FIG. 34CONDUCTED SPURIOUS EMISSION (802.11B, CH1, 30 MHZ-1 GHZ) .....	42
FIG. 35CONDUCTED SPURIOUS EMISSION (802.11B, CH1, 1 GHZ-2.5 GHZ).....	43
FIG. 36CONDUCTED SPURIOUS EMISSION (802.11B, CH1, 2.5 GHZ-7.5 GHZ).....	43
FIG. 37CONDUCTED SPURIOUS EMISSION (802.11B, CH1, 7.5 GHZ-10 GHZ).....	44
FIG. 38CONDUCTED SPURIOUS EMISSION (802.11B, CH1, 10 GHZ-15 GHZ).....	44
FIG. 39CONDUCTED SPURIOUS EMISSION (802.11B, CH1, 15 GHZ-20 GHZ).....	45
FIG. 40CONDUCTED SPURIOUS EMISSION (802.11B, CH1, 20 GHZ-26 GHZ).....	45
FIG. 41CONDUCTED SPURIOUS EMISSION (802.11B, CH6, CENTER FREQUENCY).....	46
FIG. 42CONDUCTED SPURIOUS EMISSION (802.11B, CH6, 30 MHZ-1 GHZ) .....	46
FIG. 43CONDUCTED SPURIOUS EMISSION (802.11B, CH6, 1 GHZ-2.5 GHZ).....	47
FIG. 44CONDUCTED SPURIOUS EMISSION (802.11B, CH6, 2.5 GHZ-7.5 GHZ).....	47
FIG. 45CONDUCTED SPURIOUS EMISSION (802.11B, CH6, 7.5 GHZ-10 GHZ).....	48
FIG. 46CONDUCTED SPURIOUS EMISSION (802.11B, CH6, 10 GHZ-15 GHZ).....	48
FIG. 47CONDUCTED SPURIOUS EMISSION (802.11B, CH6, 15 GHZ-20 GHZ).....	49
FIG. 48CONDUCTED SPURIOUS EMISSION (802.11B, CH6, 20 GHZ-26 GHZ).....	49

FIG. 49	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, CENTER FREQUENCY)	50
FIG. 50	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, 30 MHZ-1 GHZ)	50
FIG. 51	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, 1 GHZ-2.5 GHZ)	51
FIG. 52	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, 2.5 GHZ-7.5 GHZ)	51
FIG. 53	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, 7.5 GHZ-10 GHZ)	52
FIG. 54	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, 10 GHZ-15 GHZ)	52
FIG. 55	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, 15 GHZ-20 GHZ)	53
FIG. 56	CONDUCTED SPURIOUS EMISSION (802.11B, CH11, 20 GHZ-26 GHZ)	53
FIG. 57	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, CENTER FREQUENCY)	54
FIG. 58	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, 30 MHZ-1 GHZ)	54
FIG. 59	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, 1 GHZ-2.5 GHZ)	55
FIG. 60	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, 2.5 GHZ-7.5 GHZ)	55
FIG. 61	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, 7.5 GHZ-10 GHZ)	56
FIG. 62	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, 10 GHZ-15 GHZ)	56
FIG. 63	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, 15 GHZ-20 GHZ)	57
FIG. 64	CONDUCTED SPURIOUS EMISSION (802.11G, CH1, 20 GHZ-26 GHZ)	57
FIG. 65	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, CENTER FREQUENCY)	58
FIG. 66	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, 30 MHZ-1 GHZ)	58
FIG. 67	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, 1 GHZ-2.5 GHZ)	59
FIG. 68	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, 2.5 GHZ-7.5 GHZ)	59
FIG. 69	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, 7.5 GHZ-10 GHZ)	60
FIG. 70	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, 10 GHZ-15 GHZ)	60
FIG. 71	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, 15 GHZ-20 GHZ)	61
FIG. 72	CONDUCTED SPURIOUS EMISSION (802.11G, CH6, 20 GHZ-26 GHZ)	61
FIG. 73	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, CENTER FREQUENCY)	62
FIG. 74	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, 30 MHZ-1 GHZ)	62
FIG. 75	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, 1 GHZ-2.5 GHZ)	63
FIG. 76	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, 2.5 GHZ-7.5 GHZ)	63
FIG. 77	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, 7.5 GHZ-10 GHZ)	64
FIG. 78	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, 10 GHZ-15 GHZ)	64
FIG. 79	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, 15 GHZ-20 GHZ)	65
FIG. 80	CONDUCTED SPURIOUS EMISSION (802.11G, CH11, 20 GHZ-26 GHZ)	65
FIG. 81	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, CENTER FREQUENCY)	66
FIG. 82	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, 30 MHZ-1 GHZ)	66
FIG. 83	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, 1 GHZ-2.5 GHZ)	67
FIG. 84	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, 2.5 GHZ-7.5 GHZ)	67
FIG. 85	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, 7.5 GHZ-10 GHZ)	68
FIG. 86	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, 10 GHZ-15 GHZ)	68
FIG. 87	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, 15 GHZ-20 GHZ)	69
FIG. 88	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH1, 20 GHZ-26 GHZ)	69
FIG. 89	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, CENTER FREQUENCY)	70
FIG. 90	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, 30 MHZ-1 GHZ)	70
FIG. 91	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, 1 GHZ-2.5 GHZ)	71
FIG. 92	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, 2.5 GHZ-7.5 GHZ)	71

FIG. 93	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, 7.5 GHz-10 GHz).....	72
FIG. 94	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, 10 GHz-15 GHz) .....	72
FIG. 95	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, 15 GHz-20 GHz) .....	73
FIG. 96	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH6, 20 GHz-26 GHz) .....	73
FIG. 97	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, CENTER FREQUENCY) .....	74
FIG. 98	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, 30 MHz-1 GHz).....	74
FIG. 99	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, 1 GHz-2.5 GHz).....	75
FIG. 100	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, 2.5 GHz-7.5 GHz).....	75
FIG. 101	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, 7.5 GHz-10 GHz).....	76
FIG. 102	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, 10 GHz-15 GHz).....	76
FIG. 103	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, 15 GHz-20 GHz).....	77
FIG. 104	CONDUCTED SPURIOUS EMISSION (802.11N-HT20, CH11, 20 GHz-26 GHz).....	77
FIG. 105	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, CENTER FREQUENCY).....	78
FIG. 106	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, 30 MHz-1 GHz) .....	78
FIG. 107	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, 1 GHz-2.5 GHz) .....	79
FIG. 108	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, 2.5 GHz-7.5 GHz) .....	79
FIG. 109	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, 7.5 GHz-10 GHz) .....	80
FIG. 110	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, 10 GHz-15 GHz) .....	80
FIG. 111	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, 15 GHz-20 GHz) .....	81
FIG. 112	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH3, 20 GHz-26 GHz) .....	81
FIG. 113	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, CENTER FREQUENCY).....	82
FIG. 114	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, 30 MHz-1 GHz) .....	82
FIG. 115	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, 1 GHz-2.5 GHz) .....	83
FIG. 116	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, 2.5 GHz-7.5 GHz) .....	83
FIG. 117	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, 7.5 GHz-10 GHz) .....	84
FIG. 118	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, 10 GHz-15 GHz) .....	84
FIG. 119	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, 15GHz-20 GHz) .....	85
FIG. 120	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH6, 20GHz-26 GHz) .....	85
FIG. 121	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, CENTER FREQUENCY).....	86
FIG. 122	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, 30 MHz-1 GHz) .....	86
FIG. 123	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, 1GHz-2.5 GHz) .....	87
FIG. 124	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, 2.5GHz-7.5 GHz) .....	87
FIG. 125	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, 7.5GHz-10 GHz) .....	88
FIG. 126	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, 10GHz-15 GHz) .....	88
FIG. 127	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, 15GHz-20 GHz) .....	89
FIG. 128	CONDUCTED SPURIOUS EMISSION (802.11N-HT40, CH9, 20GHz-28 GHz) .....	89
A.6.2	TRANSMITTER SPURIOUS EMISSION - RADIATED .....	90
FIG. 129	RADIATED SPURIOUS EMISSION (POWER): 802.11B, CH1, 2.38 GHz - 245GHz .....	97
FIG. 130	RADIATED SPURIOUS EMISSION (802.11B, CH1, 30 MHz-1 GHz) .....	97
FIG. 131	RADIATED SPURIOUS EMISSION (802.11B, CH1, 1 GHz-3 GHz) .....	98
FIG. 132	RADIATED SPURIOUS EMISSION (802.11B, CH1, 3 GHz-18 GHz) .....	98
FIG. 133	RADIATED SPURIOUS EMISSION (802.11B, CH6, 30 MHz-1 GHz) .....	99
FIG. 134	RADIATED SPURIOUS EMISSION (802.11B, CH6, 1 GHz-3 GHz) .....	99
FIG. 135	RADIATED SPURIOUS EMISSION (802.11B, CH6, 3 GHz-18 GHz) .....	100

FIG. 136	RADIATED SPURIOUS EMISSION (POWER): 802.11B, CH11, 2.45 GHz - 2.50GHz .....	100
FIG. 137	RADIATED SPURIOUS EMISSION (802.11B, CH11, 30 MHz-1 GHz).....	101
FIG. 138	RADIATED SPURIOUS EMISSION (802.11B, CH11, 1 GHz-3 GHz).....	101
FIG. 139	RADIATED SPURIOUS EMISSION (802.11B, CH11, 3 GHz-18 GHz).....	102
FIG. 140	RADIATED SPURIOUS EMISSION (POWER): 802.11G, CH1, 2.38 GHz - 2.45GHz .....	102
FIG. 141	RADIATED SPURIOUS EMISSION (802.11G, CH1, 30 MHz-1 GHz) .....	103
FIG. 142	RADIATED SPURIOUS EMISSION (802.11G, CH1, 1 GHz-3 GHz) .....	103
FIG. 143	RADIATED SPURIOUS EMISSION (802.11G, CH1, 3 GHz-18 GHz) .....	104
FIG. 144	RADIATED SPURIOUS EMISSION (802.11G, CH6, 30 MHz-1 GHz) .....	104
FIG. 145	RADIATED SPURIOUS EMISSION (802.11G, CH6, 1 GHz-3 GHz) .....	105
FIG. 146	RADIATED SPURIOUS EMISSION (802.11G, CH6, 3 GHz-18 GHz) .....	105
FIG. 147	RADIATED SPURIOUS EMISSION (POWER): 802.11G, CH11, 2.45 GHz - 2.50GHz .....	106
FIG. 148	RADIATED SPURIOUS EMISSION (802.11G, CH11, 30 MHz-1 GHz).....	106
FIG. 149	RADIATED SPURIOUS EMISSION (802.11G, CH11, 1 GHz-3 GHz).....	107
FIG. 150	RADIATED SPURIOUS EMISSION (802.11G, CH11, 3 GHz-18 GHz).....	107
FIG. 151	RADIATED SPURIOUS EMISSION (POWER): 802.11N-20MHz, CH1, 2.38 GHz - 2.45GHz	
	108	
FIG. 152	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH1, 30 MHz-1 GHz).....	108
FIG. 153	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH1, 1 GHz-3 GHz).....	109
FIG. 154	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH1, 3 GHz-18 GHz).....	109
FIG. 155	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH6, 30 MHz-1 GHz).....	110
FIG. 156	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH6, 1 GHz-3 GHz).....	110
FIG. 157	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH6, 3 GHz-18 GHz).....	111
FIG. 158	RADIATED SPURIOUS EMISSION (POWER): 802.11N-20MHz, CH11, 2.45 GHz - 2.50GHz	
	111	
FIG. 159	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH11, 30 MHz-1 GHz).....	112
FIG. 160	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH11, 1 GHz-3 GHz) .....	112
FIG. 161	RADIATED SPURIOUS EMISSION (802.11N-20MHz, CH11, 3 GHz-18 GHz) .....	113
FIG. 162	RADIATED SPURIOUS EMISSION (POWER): 802.11N-40MHz, CH3, 2.38 GHz - 2.45GHz	
	113	
FIG. 163	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH3, 30 MHz-1 GHz).....	114
FIG. 164	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH3, 1 GHz-3 GHz).....	114
FIG. 165	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH3, 3 GHz-18 GHz).....	115
FIG. 166	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH6, 30 MHz-1 GHz).....	115
FIG. 167	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH6, 1 GHz-3 GHz).....	116
FIG. 168	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH6, 3 GHz-18 GHz).....	116
FIG. 169	RADIATED SPURIOUS EMISSION (POWER): 802.11N-40MHz, CH9, 2.45 GHz - 2.50GHz	
	117	
FIG. 170	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH9, 30 MHz-1 GHz).....	117
FIG. 171	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH9, 1 GHz-3 GHz).....	118
FIG. 172	RADIATED SPURIOUS EMISSION (802.11N-40MHz, CH9, 3 GHz-18 GHz).....	118
FIG. 173	RADIATED SPURIOUS EMISSION (ALL CHANNELS): 18GHz - 26.5GHz.....	119
A.7. AC POWERLINE CONDUCTED EMISSION .....		120
FIG. 174	AC POWERLINE CONDUCTED EMISSION-802.11B.....	122

FIG. 175	AC POWERLINE CONDUCTED EMISSION-802.11G .....	123
FIG. 176	AC POWERLINE CONDUCTED EMISSION-802.11N-HT20.....	124
FIG. 177	AC POWERLINE CONDUCTED EMISSION-802.11N-HT40.....	125
FIG. 178	AC POWERLINE CONDUCTED EMISSION-802.11B.....	126
FIG. 179	AC POWERLINE CONDUCTED EMISSION-802.11G .....	127
FIG. 180	AC POWERLINE CONDUCTED EMISSION-802.11N-HT20.....	128
FIG. 181	AC POWERLINE CONDUCTED EMISSION-802.11N-HT40.....	129

## 1. TEST LABORATORY

### 1.1. Testing Location

Company Name: TMC Beijing, Telecommunication Metrology Center of MIIT  
Address: No 52 Hua Yuanbei Road, Haidian District, Beijing, P.R.China  
Postal Code: 100191  
Telephone: 008610623046332561  
Fax: 008610623046332504

### 1.2. Testing Environment

Normal Temperature: 15-30℃  
Extreme Temperature: -10/+55℃  
Relative Humidity: 30-60%  
Air Pressure 990hPa-1040hPa

Note: The climatic requirements above are general exclude the special requirements for dedicated test environments listed in section 5 and some specific test cases in other parts of this report.

### 1.3. Project data

Testing Start Date: 2013-01-17  
Testing End Date: 2013-02-27

### 1.4. Signature



---

Sun Zhenyu

(Prepared this test report)



---

Gao Hong

(Reviewed this test report)



---

Xiao Li

Deputy Director of the laboratory  
(Approved this test report)



## **2. CLIENT INFORMATION**

### **2.1. Applicant Information**

Company Name: TCT Mobile Limited  
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Telephone: 0086-755-33956929  
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### **2.2. Manufacturer Information**

Company Name: TCT Mobile Limited  
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Guangdong, P.R. China. 518057  
City: Shenzhen  
Postal Code: 518057  
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### **3. EQUIPMENT UNDER TEST(EUT) AND ANCILLARY EQUIPMENT(AE)**

#### **3.1. About EUT**

Description	HSUPA/HSDPA/UMTS triband/GSM quadband mobile phone
Type	Megane 1SIM US
Market name	ONE TOUCH 5020A
FCC ID	RAD343
IC ID	/
With WLAN Function	Yes
Frequency Range	ISM 2400MHz~2483.5MHz
Type of Modulation	DSSS/CCK/OFDM
Number of Channels	11
Antenna	Integral Antenna
MAX Conducted Power	21.35dBm(OFDM)
GPRS Class	Class 12
GPRS operation mode	Class B
Power Supply	3.8V DC by Battery

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

#### **3.2. Internal Identification of EUT used during the test**

<b>EUT ID*</b>	<b>IMEI</b>	<b>HW Version</b>	<b>SW Version</b>
EUT1	013511000150129	V2C56-0	PIO
EUT2	013511000150160	V2C56-0	PIO

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

#### **3.3. Internal Identification of AE used during the test**

<b>AE ID*</b>	<b>Description</b>	<b>Type</b>	<b>SN</b>
AE1	Battery	CAB60B0000C1	/
AE2	Battery	CAB60B0000C2	/
AE3	Charger	CBA3007AG0C1	/
AE4	Charger	CBA3007AG0C3	/

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

#### **3.4. General Description**

Equipment Under Test (EUT) is a model of HSUPA/HSDPA/UMTS triband/GSM quadband mobile phone with integrated antenna. It consists of normal options: Battery and Charger.

Manual and specifications of the EUT were provided to fulfil the test.  
Samples undergoing test were selected by the Client.

Normal Accessory setting:

1. A microSD card was being installed in the device during the test;
2. Fully charged battery should be used during the test.

## **4. Reference Documents**

### **4.1. Documents supplied by applicant**

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

### **4.2. REFERENCE DOCUMENTS FOR TESTING**

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

FCC Part15	FCC CFR 47, Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902-928MHz, 2400-2483.5 MHz, and 5725-5850 MHz.	Oct, 2009 Edition
ANSI C63.10	Procedures for testing compliance of a wide variety of unlicensed wireless devices	2009

## 5. LABORATORY ENVIRONMENT

**Shielding Room1** (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

**Semi-anechoic chamber** (10 meters×6.7meters×6.15meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2 M ohm
Ground system resistance	< 0.5 Ω
Normalised site attenuation (NSA)	< ±3.5 dB, 3 m distance
Site voltage standing-wave ratio (S <sub>VSWR</sub> )	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

**Shielding Room2** (7.30 meters×4.00 meters×3.80 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

## 6. SUMMARY OF TEST RESULTS

### 6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15C	Sub-clause of IC	Verdict
Maximum Peak Output Power	15.247 (a)	/	<b>P</b>
Peak Power Spectral Density	15.247 (d)	/	<b>P</b>
Occupied 6dB Bandwidth	15.247 (d)	/	<b>P</b>
Band Edges Compliance	15.247 (b)	/	<b>P</b>
Transmitter Spurious Emission - Conducted	15.247	/	<b>P</b>
Transmitter Spurious Emission - Radiated	15.247, 15.205, 15.209	/	<b>P</b>
AC Powerline Conducted Emission	15.107, 15.207	/	<b>P</b>

Please refer to **ANNEX A** for detail.

The measurement is made according to Public notice ANSI C63.10.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NP	Not Perform, The test was not performed by TMC
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

### 6.2. Statements

TMC has evaluated the test cases requested by the client/manufacturer as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.1.

This report only deals with the WLAN function among the features described in section 3.

Test Conditions

T nom	Normal Temperature
T min	Low Temperature
T max	High Temperature
V nom	Normal Voltage
V min	Low Voltage
V max	High Voltage
H nom	Norm Humidity
A nom	Norm Air Pressure

For this report, all the test cases listed above are tested under Normal Temperature and Normal Voltage which is using a new battery, and also under norm humidity, the specific conditions as following:

Temperature	T nom	26°C
Voltage	V nom	3.8V(By battery)
Humidity	H nom	44%
Air Pressure	A nom	1010hPa

## 7. TEST EQUIPMENTS UTILIZED

### Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	2013-07-19
3	Test Receiver	ESS	847151/015	Rohde & Schwarz	2013-10-30
4	LISN	ESH2-Z5	829991/012	Rohde & Schwarz	2013-08-12

### Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Test Receiver	ESI40	831564/002	Rohde & Schwarz	2013-08-11
2	BiLog Antenna	3142B	9908-1403	EMCO	2013-03-15
3	Dual-Ridge Waveguide Horn Antenna	3115	9906-5827	EMCO	2013-12-25
4	Dual-Ridge Waveguide Horn Antenna	3116	2661	EMCO	2013-06-30

### Anechoic chamber

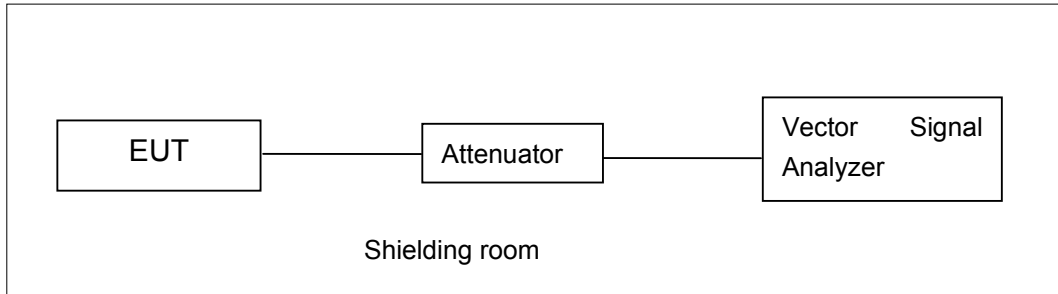
Anechoic chamber by Frankonia German.

## ANNEX A: MEASUREMENT RESULTS

### A.1. Measurement Method

#### A.1.1. Conducted Measurements

- 1). Connect the EUT to the test system correctly.
- 2). Set the EUT to the required work mode.
- 3). Set the EUT to the required channel.
- 4). Set the spectrum analyzer to start measurement.
- 5). Record the values. Vector Signal Analyzer

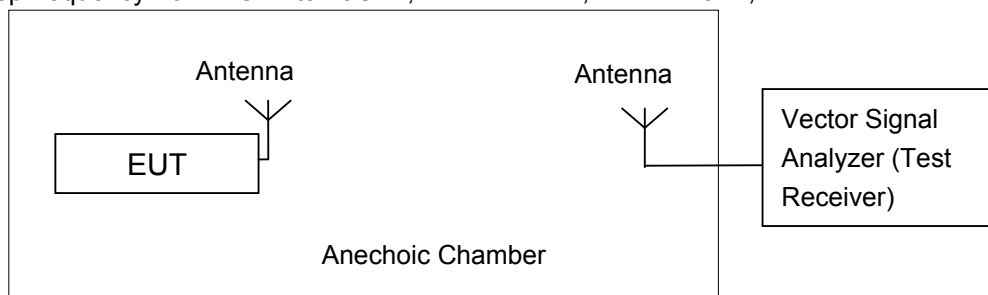


#### A.1.2. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,

Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;

Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 10Hz;



The measurement is made according to ANSI C63.10

## A.2. Maximum Output Power

### Measurement Limit and Method:

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

The measurement is made according to ANSI C63.10, and EUT is operating in continuous transmitting mode.

### Measurement Uncertainty:

Measurement Uncertainty	0.75dB
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### A.2.1. Maximum Peak Output Power-conducted

#### Measurement Results:

#### 802.11b/g mode

Mode	Data Rate (Mbps)	Test Result (dBm)		
		2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11b	1	16.29	/	/
	2	16.74	/	/
	5.5	18.20	/	/
	11	19.23	19.67	19.51
802.11g	6	20.53	/	/
	9	20.46	/	/
	12	20.59	/	/
	18	20.11	/	/
	24	20.90	21.34	21.35
	36	20.70	/	/
	48	20.63	/	/
	54	20.88	/	/

The data rate 11Mbps and 54Mbps are selected as worse condition, and the following cases are performed with this condition.

#### 802.11n-HT20 mode

Mode	Data Rate (Index)	Test Result (dBm)		
		2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11n (20MHz)	MCS0	20.65	/	/
	MCS1	20.64	/	/
	MCS2	20.55	/	/
	MCS3	20.54	/	/
	MCS4	20.50	/	/
	MCS5	20.82	21.24	21.34
	MCS6	20.76	/	/
	MCS7	18.83	/	/



The data rate MCS5 is selected as worse condition, and the following cases are performed with this condition.

**802.11n-HT40 mode**

Mode	Data Rate (Index)	Test Result (dBm)		
		2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)
802.11n (40MHz)	MCS0	20.70	/	/
	MCS1	20.63	/	/
	MCS2	20.64	/	/
	MCS3	20.53	/	/
	MCS4	20.73	/	/
	MCS5	21.02	21.27	20.97
	MCS6	20.94	/	/
	MCS7	18.76	/	/

The data rate MCS5 is selected as worse condition, and the following cases are performed with this condition.

**Conclusion: PASS**

**A.2.2. Maximum Average Output Power-conducted**

**802.11b/g mode**

Mode	Test Result (dBm)		
	2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11b	13.01	13.36	13.22
802.11g	12.60	13.04	12.93

**802.11n-HT20 mode**

Mode	Test Result (dBm)		
	2412MHz (Ch1)	2437MHz (Ch6)	2462 MHz (Ch11)
802.11n (20MHz)	12.59	13.02	12.86

**802.11n-HT40 mode**

Mode	Test Result (dBm)		
	2422MHz (Ch3)	2437MHz (Ch6)	2452 MHz (Ch9)
802.11n (40MHz)	12.68	12.74	12.65

**Conclusion: PASS**

### A.3. Peak Power Spectral Density

**Measurement Limit:**

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

The measurement is made according to ANSI C63.10

**Measurement Uncertainty:**

Measurement Uncertainty	0.75dB
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**Measurement Results:**

**802.11b/g mode**

Mode	Channel	Power Spectral Density ( dBm/3 kHz )		Conclusion
		Fig.	Value	
802.11b	1	Fig.1	-10.60	P
	6	Fig.2	-10.19	P
	11	Fig.3	-10.33	P
802.11g	1	Fig.4	-16.07	P
	6	Fig.5	-15.40	P
	11	Fig.6	-15.70	P

**802.11n-HT20 mode**

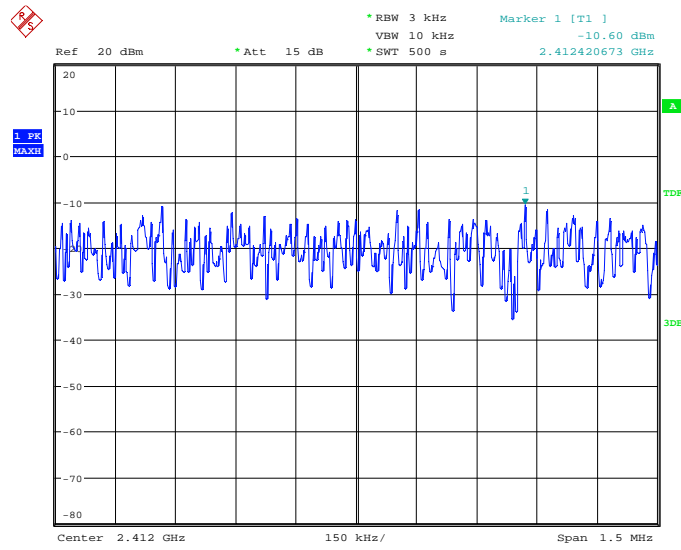
Mode	Channel	Power Spectral Density ( dBm/3 kHz )		Conclusion
		Fig.	Value	
802.11n (20MHz)	1	Fig.7	-15.13	P
	6	Fig.8	-14.58	P
	11	Fig.9	-14.76	P

**802.11n-HT40 mode**

Mode	Channel	Power Spectral Density ( dBm/3 kHz )		Conclusion
		Fig.	Value	
802.11n (40MHz)	3	Fig.10	-19.71	P
	6	Fig.11	-19.44	P
	9	Fig.12	-19.49	P

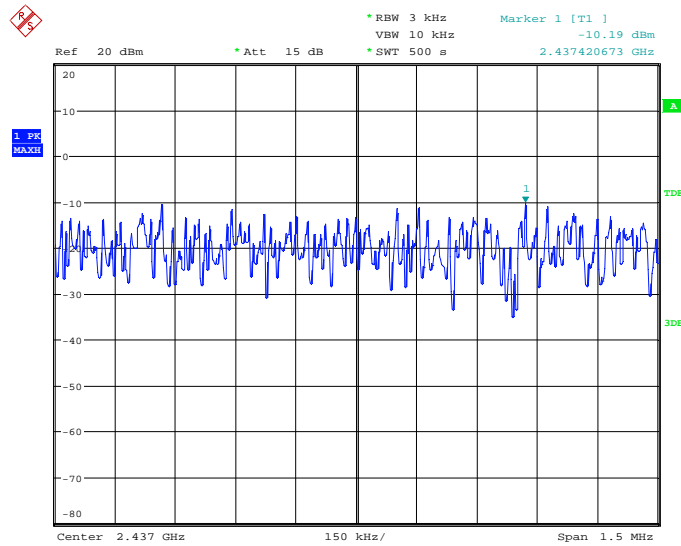
**Conclusion: PASS**

Test graphs as below:



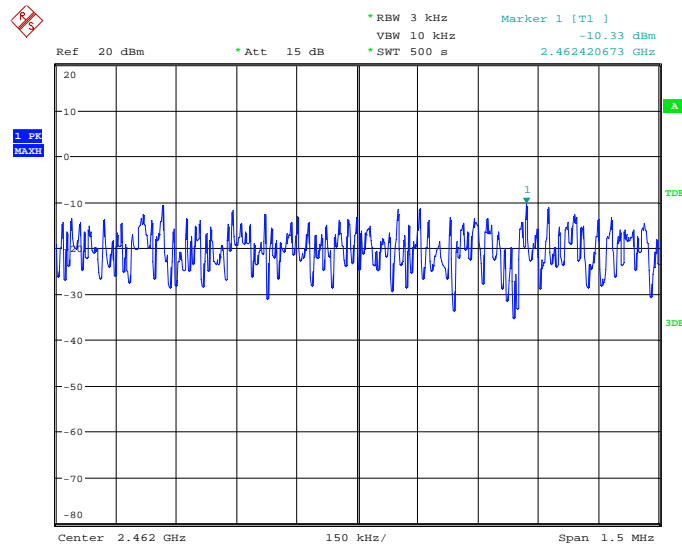
Date: 20.FEB.2013 13:59:12

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



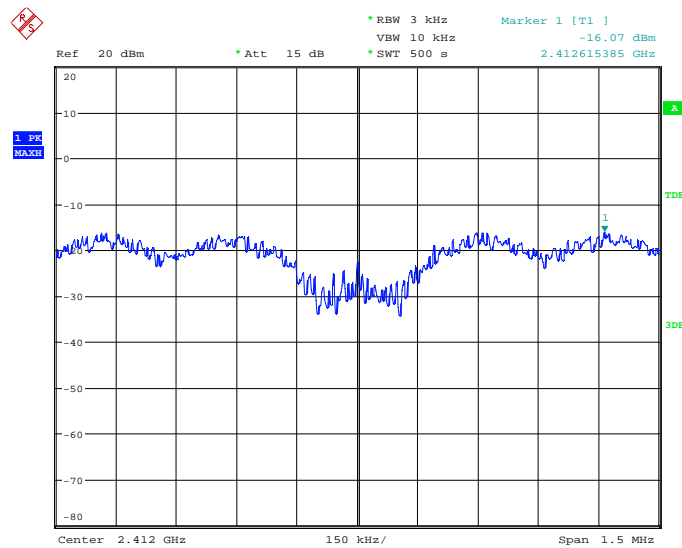
Date: 20.FEB.2013 14:10:56

**Fig. 2 Power Spectral Density (802.11b, Ch 6)**



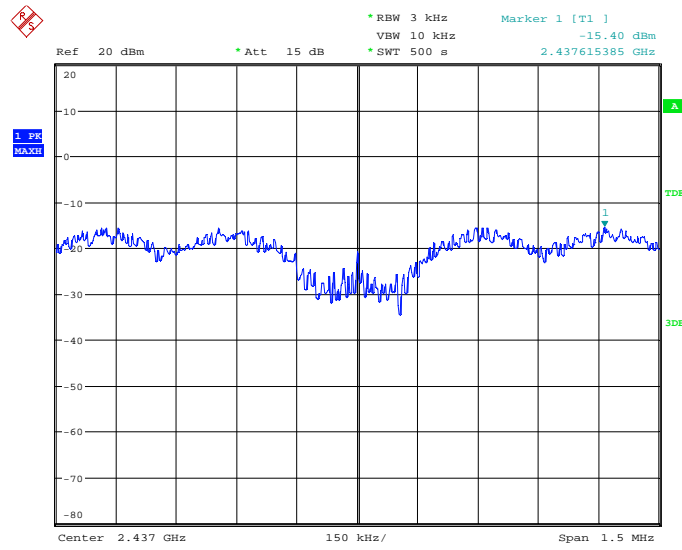
Date: 20.FEB.2013 14:23:38

**Fig. 3 Power Spectral Density (802.11b, Ch 11)**



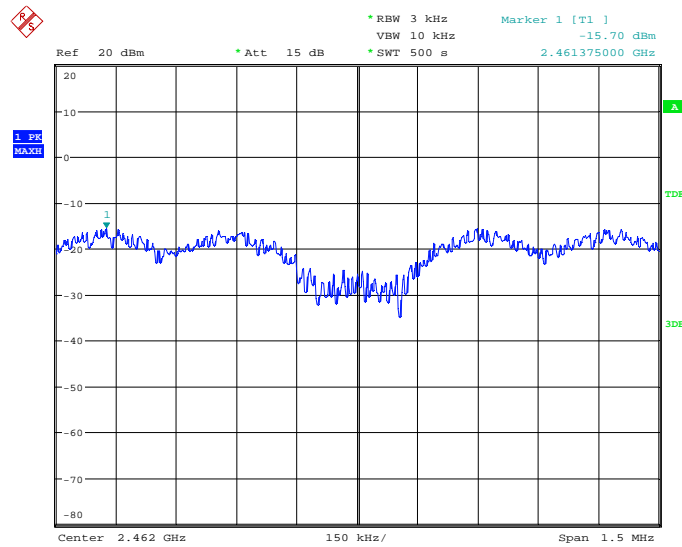
Date: 20.FEB.2013 14:32:44

**Fig. 4 Power Spectral Density (802.11g, Ch 1)**



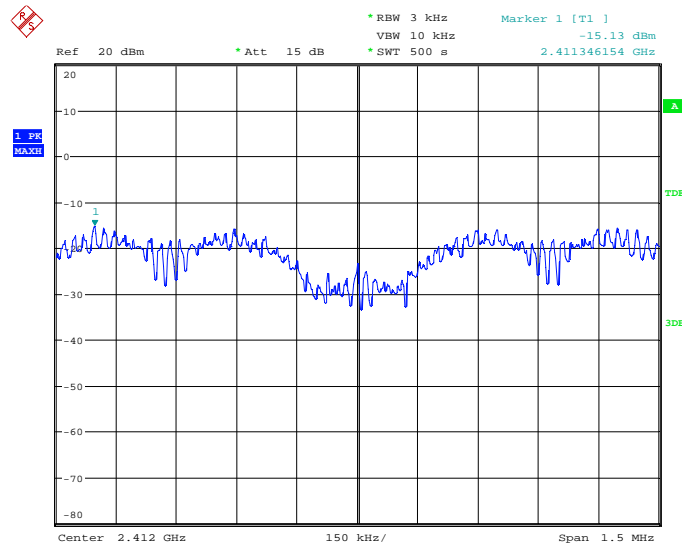
Date: 20.FEB.2013 14:41:40

Fig. 5 Power Spectral Density (802.11g, Ch 6)



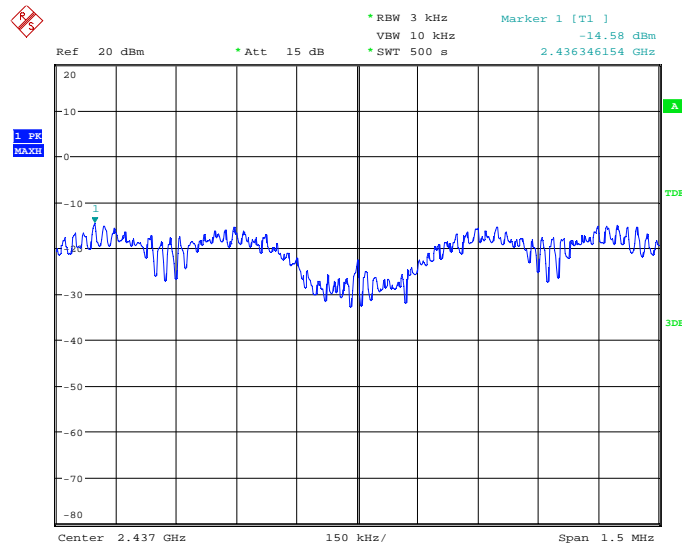
Date: 20.FEB.2013 14:50:23

Fig. 6 Power Spectral Density (802.11g, Ch 11)



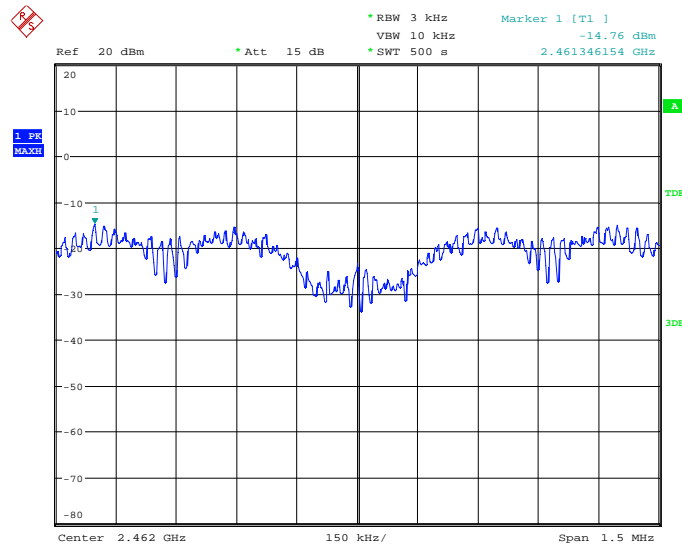
Date: 20.FEB.2013 15:04:00

Fig. 7 Power Spectral Density (802.11n-20MHz, Ch 1)



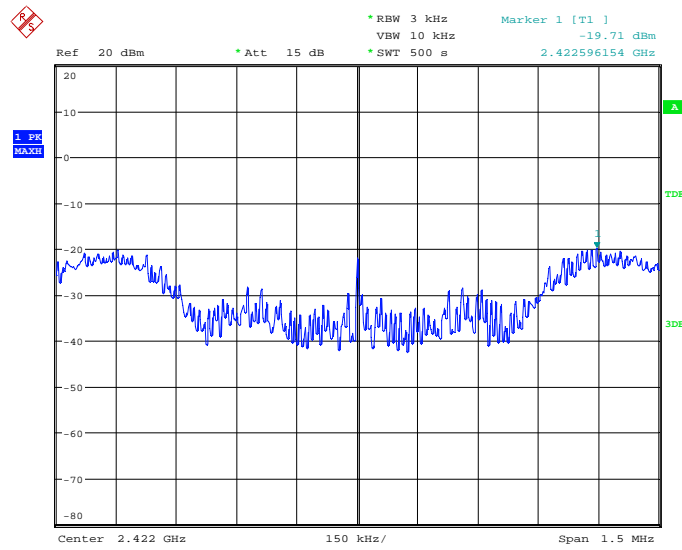
Date: 20.FEB.2013 15:12:49

Fig. 8 Power Spectral Density (802.11n-20MHz, Ch 6)



Date: 20.FEB.2013 15:22:38

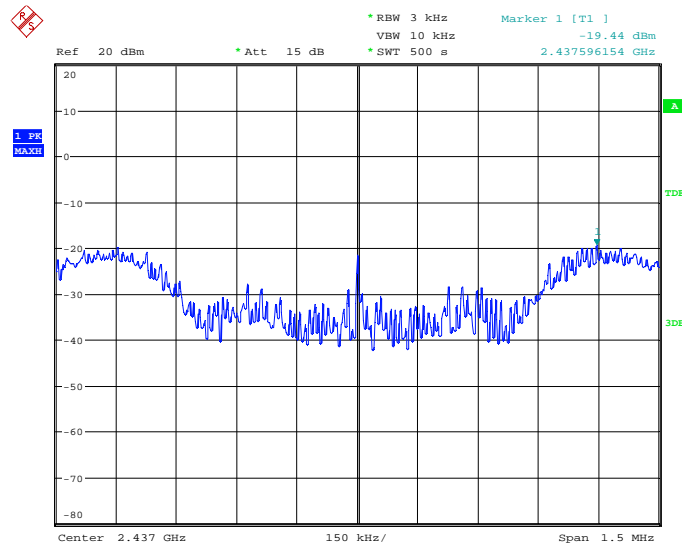
**Fig. 9 Power Spectral Density (802.11n-20MHz, Ch 11)**



Date: 20.FEB.2013 15:32:05

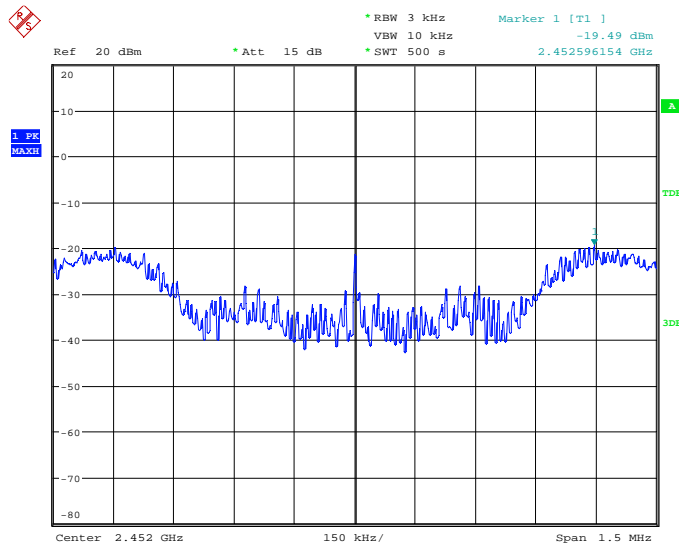
**Fig. 10 Power Spectral Density (802.11n-40MHz, Ch 3)**





Date: 20.FEB.2013 11:10:47

Fig. 11 Power Spectral Density (802.11n-40MHz, Ch 6)



Date: 20.FEB.2013 11:19:41

Fig. 12 Power Spectral Density (802.11n-40MHz, Ch 9)

#### A.4. Occupied 6dB Bandwidth

##### Measurement Limit:

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

The measurement is made according to ANSI C63.10

##### Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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##### Measurement Result:

##### 802.11b/g mode

Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11b	1	Fig.13	10128	P
	6	Fig.14	10064	P
	11	Fig.15	10128	P
802.11g	1	Fig.16	16474	P
	6	Fig.17	16538	P
	11	Fig.18	16474	P

##### 802.11n-HT20 mode

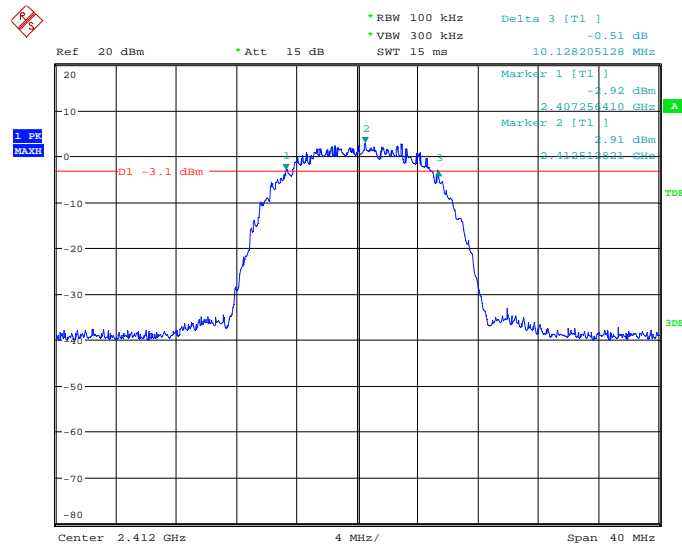
Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11n (20MHz)	1	Fig.19	17756	P
	6	Fig.20	17756	P
	11	Fig.21	17692	P

##### 802.11n-HT40 mode

Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11n (40MHz)	3	Fig.22	36154	P
	6	Fig.23	36155	P
	9	Fig.24	36539	P

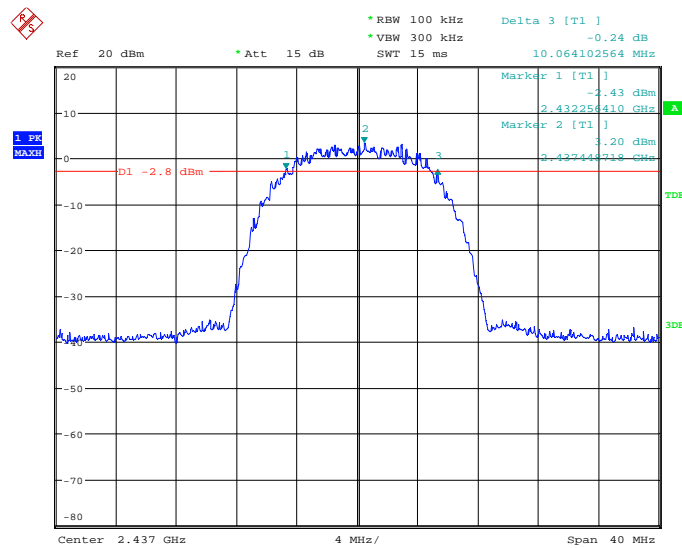
**Conclusion: PASS**

**Test graphs as below:**



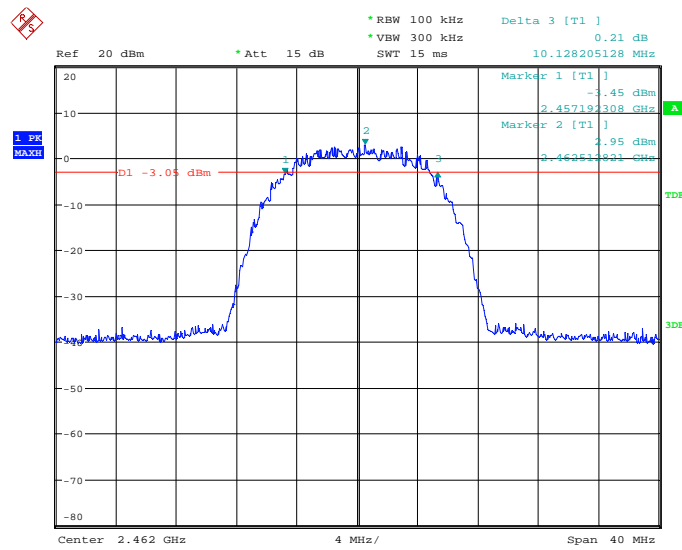
Date: 19.FEB.2013 18:04:33

**Fig. 13 Occupied 6dB Bandwidth (802.11b, Ch 1)**



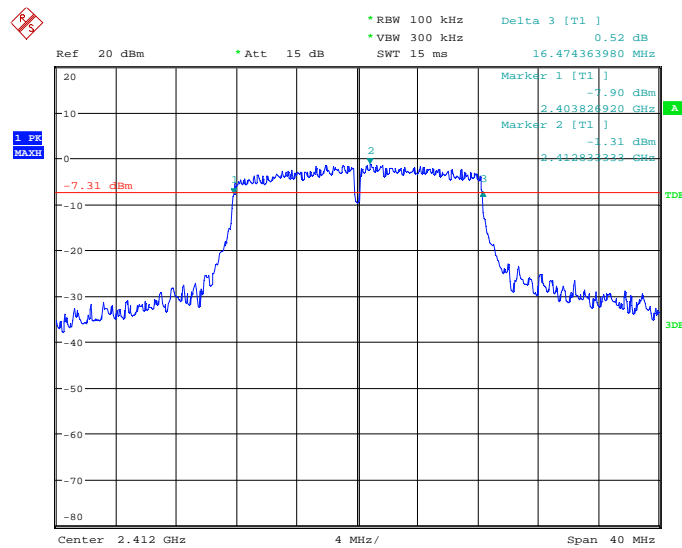
Date: 19.FEB.2013 18:06:39

**Fig. 14 Occupied 6dB Bandwidth (802.11b, Ch 6)**



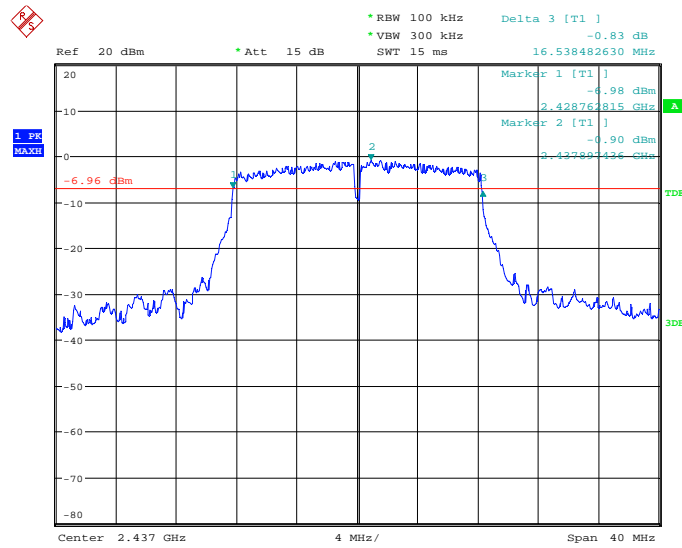
Date: 19.FEB.2013 18:08:34

**Fig. 15 Occupied 6dB Bandwidth (802.11b, Ch 11)**



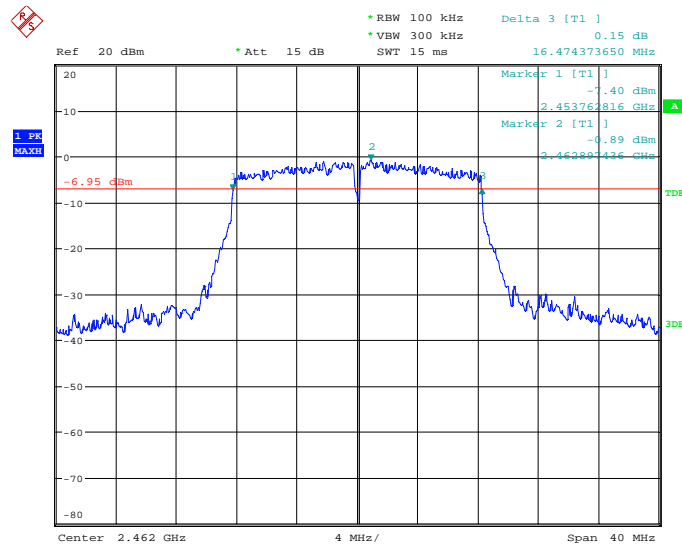
Date: 19.FEB.2013 17:43:23

**Fig. 16 Occupied 6dB Bandwidth (802.11g, Ch 1)**



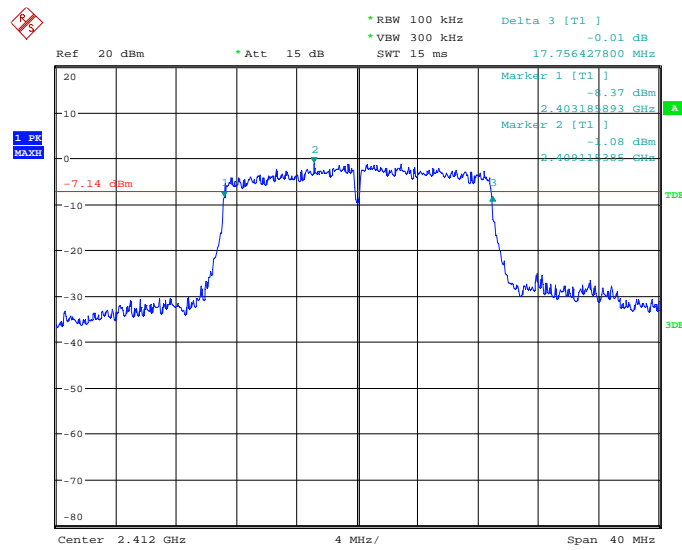
Date: 19.FEB.2013 17:45:52

**Fig. 17 Occupied 6dB Bandwidth (802.11g, Ch 6)**



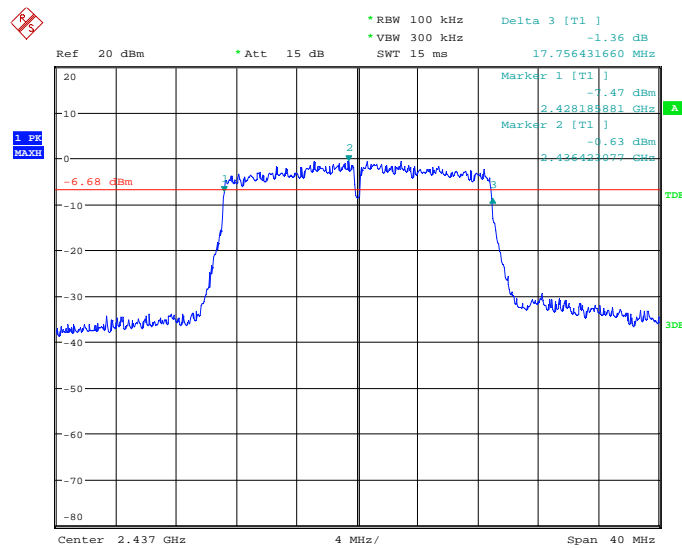
Date: 19.FEB.2013 17:47:14

**Fig. 18 Occupied 6dB Bandwidth (802.11g, Ch 11)**



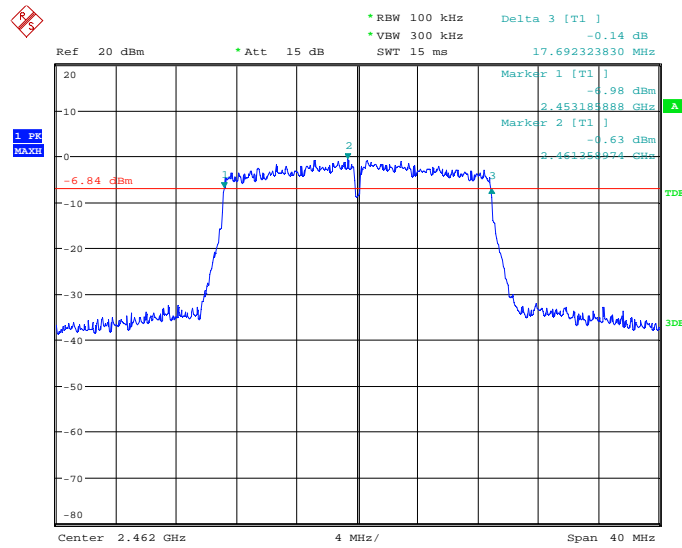
Date: 19.FEB.2013 17:51:15

**Fig. 19 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 1)**



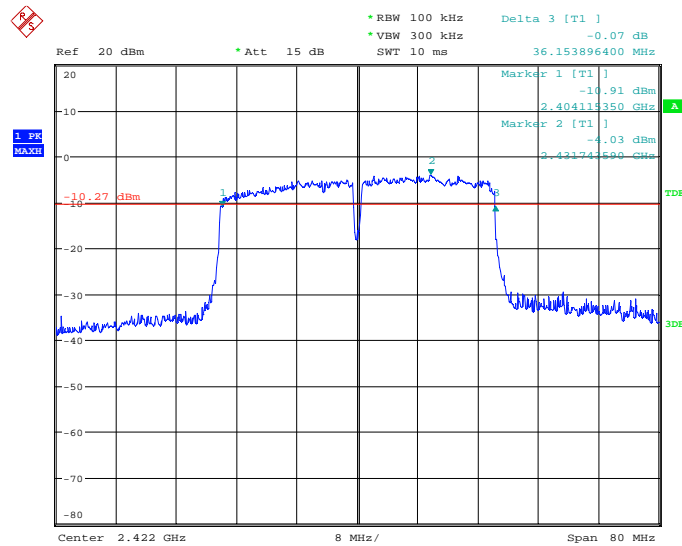
Date: 19.FEB.2013 17:53:10

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



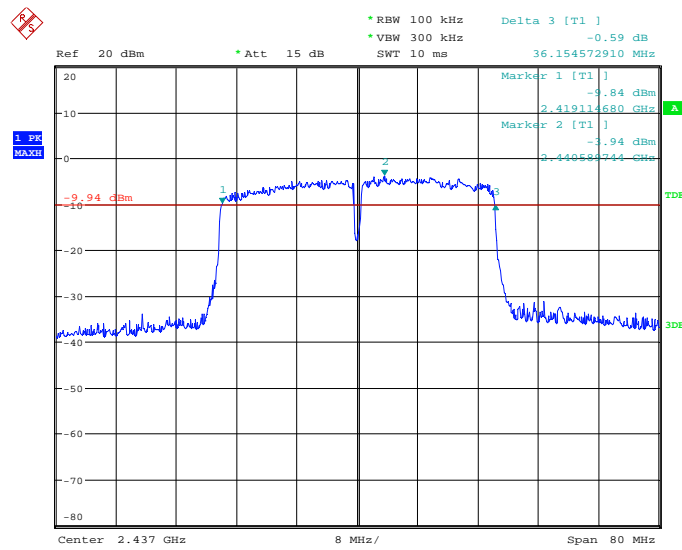
Date: 19.FEB.2013 17:54:45

**Fig. 21 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 11)**



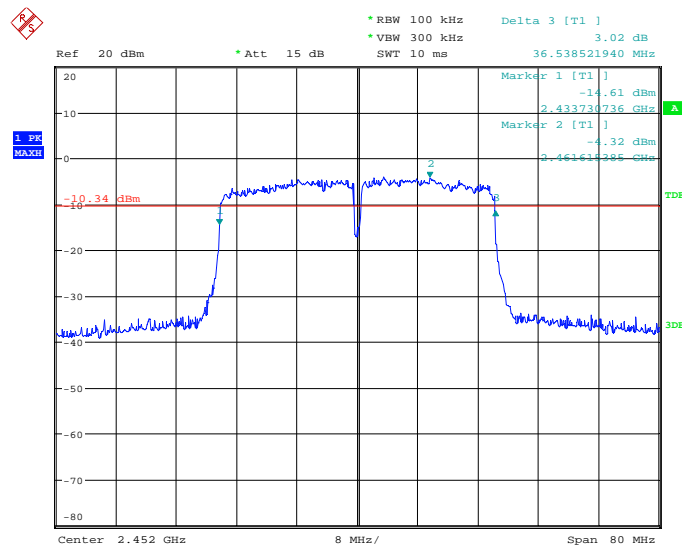
Date: 19.FEB.2013 17:56:56

**Fig. 22 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 3)**



Date: 19.FEB.2013 17:58:20

**Fig. 23 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 6)**



Date: 19.FEB.2013 17:59:42

**Fig. 24 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 9)**



### A.5. Band Edges Compliance

**Measurement Limit:**

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

The measurement is made according to ANSI C63.10

**Measurement Uncertainty:**

Measurement Uncertainty	0.75dB
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**Measurement Result:**

**802.11b/g mode**

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.25	P
	11	Fig.26	P
802.11g	1	Fig.27	P
	11	Fig.28	P

**802.11n-HT20 mode**

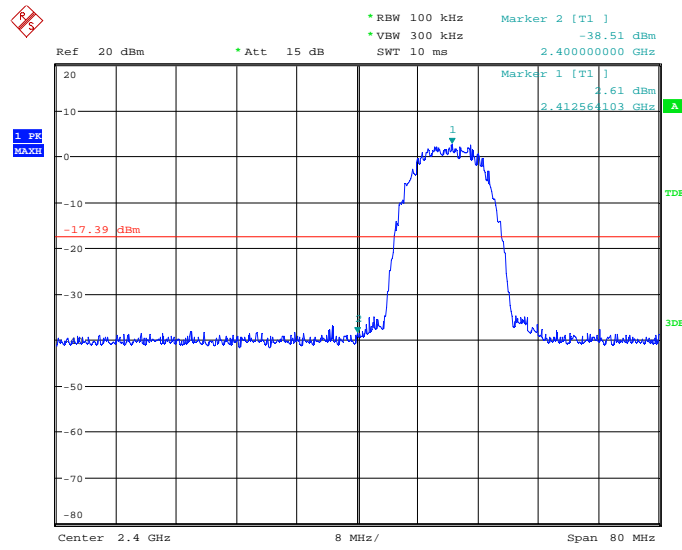
Mode	Channel	Test Results	Conclusion
802.11n (20MHz)	1	Fig.29	P
	11	Fig.30	P

**802.11n-HT40 mode**

Mode	Channel	Test Results	Conclusion
802.11n (40MHz)	3	Fig.31	P
	9	Fig.32	P

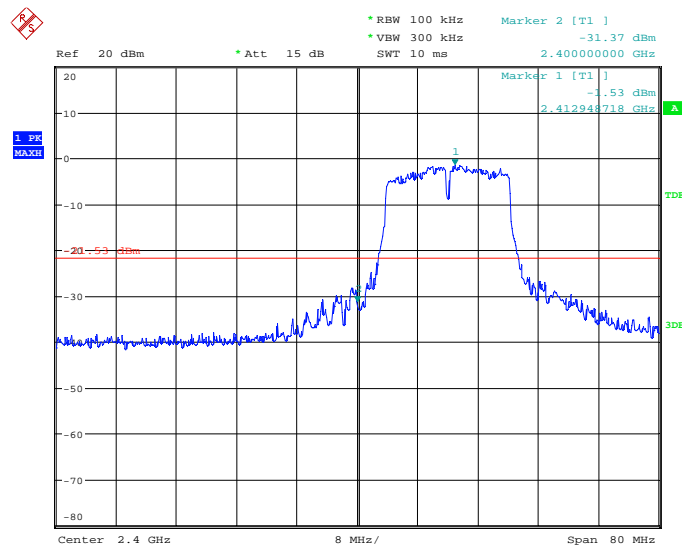
**Conclusion: PASS**

**Test graphs as below:**



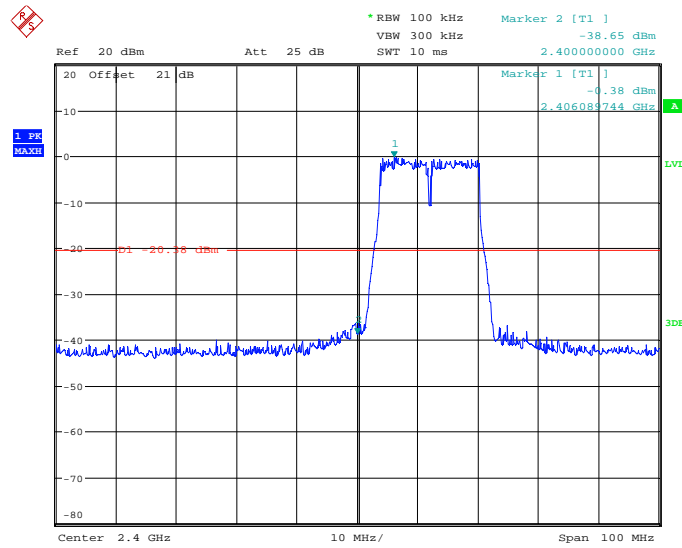
Date: 20.FEB.2013 09:40:14

**Fig. 25 Band Edges (802.11b, Ch 1)**



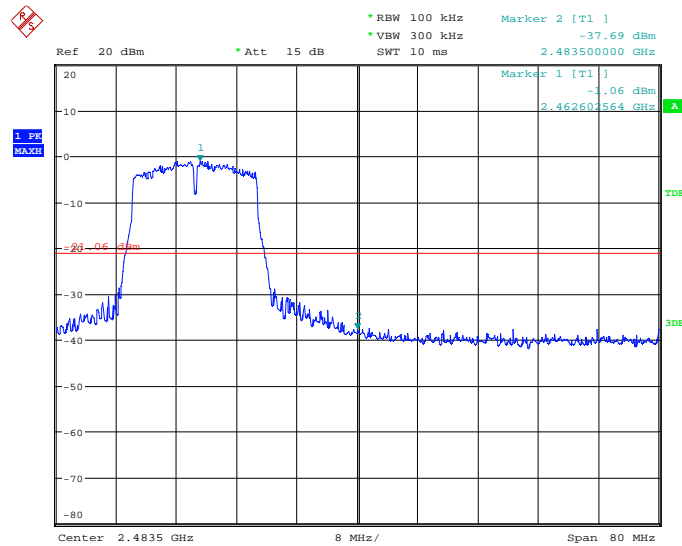
Date: 20.FEB.2013 09:41:57

**Fig. 26 Band Edges (802.11b, Ch 11)**



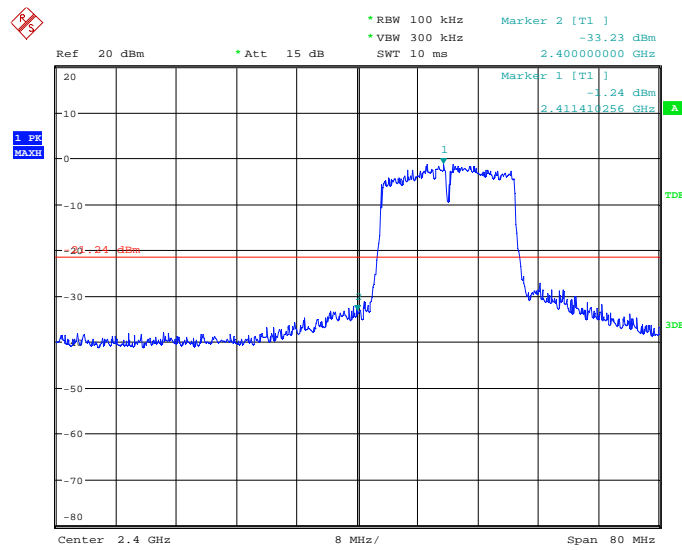
Date: 15.JAN.2013 15:33:03

Fig. 27 Band Edges (802.11g, Ch 1)



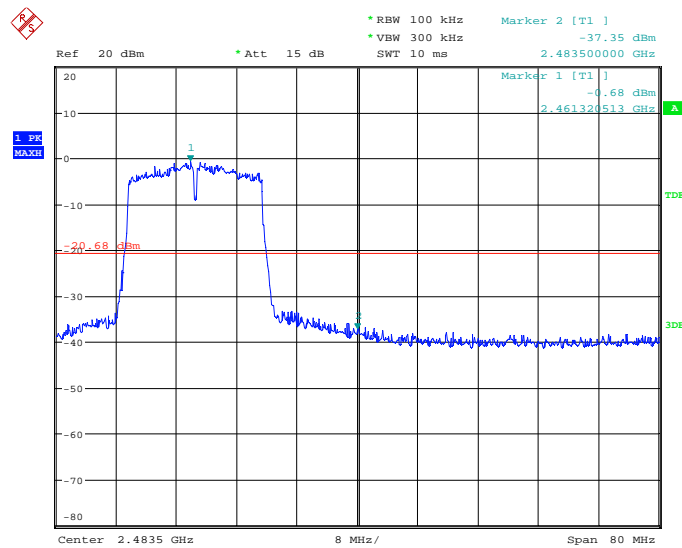
Date: 20.FEB.2013 09:42:34

Fig. 28 Band Edges (802.11g, Ch 11)



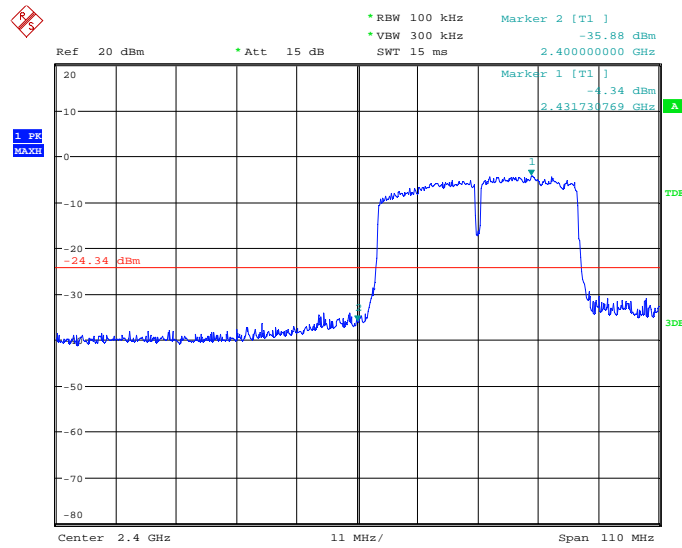
Date: 20.FEB.2013 09:43:38

**Fig. 29 Band Edges (802.11n-20MHz, Ch 1)**



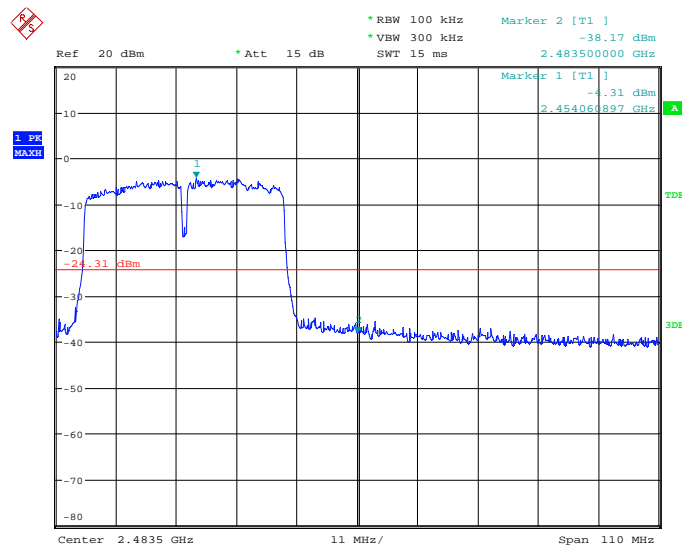
Date: 20.FEB.2013 09:44:23

**Fig. 30 Band Edges (802.11n-20MHz, Ch 11)**



Date: 20.FEB.2013 09:45:01

Fig. 31 Band Edges (802.11n-40MHz, Ch 3)



Date: 20.FEB.2013 09:45:41

Fig. 32 Band Edges (802.11n-40MHz, Ch 9)

## A.6. Transmitter Spurious Emission

### A.6.1 Transmitter Spurious Emission - Conducted

#### Measurement Limit:

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

The measurement is made according to ANSI C63.10

#### Measurement Uncertainty:

Frequency Range	Uncertainty
$30\text{MHz} \leq f \leq 2\text{GHz}$	0.63
$2\text{GHz} \leq f \leq 3.6\text{GHz}$	0.82
$3.6\text{GHz} \leq f \leq 8\text{GHz}$	1.55
$8\text{GHz} \leq f \leq 20\text{GHz}$	1.86
$20\text{GHz} \leq f \leq 22\text{GHz}$	1.90
$22\text{GHz} \leq f \leq 26\text{GHz}$	2.20

#### Measurement Results:

##### 802.11b/g mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.412 GHz	Fig.33	P
		30 MHz ~ 1 GHz	Fig.34	P
		1 GHz ~ 2.5 GHz	Fig.35	P
		2.5 GHz ~ 7.5 GHz	Fig.36	P
		7.5 GHz ~ 10 GHz	Fig.37	P
		10 GHz ~ 15 GHz	Fig.38	P
		15 GHz ~ 20 GHz	Fig.39	P
		20 GHz ~ 26 GHz	Fig.40	P
	6	2.437 GHz	Fig.41	P
		30 MHz ~ 1 GHz	Fig.42	P
		1 GHz ~ 2.5 GHz	Fig.43	P
		2.5 GHz ~ 7.5 GHz	Fig.44	P
		7.5 GHz ~ 10 GHz	Fig.45	P
		10 GHz ~ 15 GHz	Fig.46	P
		15 GHz ~ 20 GHz	Fig.47	P
		20 GHz ~ 26 GHz	Fig.48	P
	11	2.462 GHz	Fig.49	P
		30 MHz ~ 1 GHz	Fig.50	P
		1 GHz ~ 2.5 GHz	Fig.51	P
		2.5 GHz ~ 7.5 GHz	Fig.52	P

		7.5 GHz ~ 10 GHz	Fig.53	P
		10 GHz ~ 15 GHz	Fig.54	P
		15 GHz ~ 20 GHz	Fig.55	P
		20 GHz ~ 26 GHz	Fig.56	P
802.11g	1	2.412 GHz	Fig.57	P
		30 MHz ~ 1 GHz	Fig.58	P
		1 GHz ~ 2.5 GHz	Fig.59	P
		2.5 GHz ~ 7.5 GHz	Fig.60	P
		7.5 GHz ~ 10 GHz	Fig.61	P
		10 GHz ~ 15 GHz	Fig.62	P
		15 GHz ~ 20 GHz	Fig.63	P
		20 GHz ~ 26 GHz	Fig.64	P
	6	2.437 GHz	Fig.65	P
		30 MHz ~ 1 GHz	Fig.66	P
		1 GHz ~ 2.5 GHz	Fig.67	P
		2.5 GHz ~ 7.5 GHz	Fig.68	P
		7.5 GHz ~ 10 GHz	Fig.69	P
		10 GHz ~ 15 GHz	Fig.70	P
		15 GHz ~ 20 GHz	Fig.71	P
		20 GHz ~ 26 GHz	Fig.72	P
	11	2.462 GHz	Fig.73	P
		30 MHz ~ 1 GHz	Fig.74	P
		1 GHz ~ 2.5 GHz	Fig.75	P
		2.5 GHz ~ 7.5 GHz	Fig.76	P
		7.5 GHz ~ 10 GHz	Fig.77	P
		10 GHz ~ 15 GHz	Fig.78	P
		15 GHz ~ 20 GHz	Fig.79	P
		20 GHz ~ 26 GHz	Fig.80	P

**802.11n-HT20 mode**

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11n (20MHz)	1	2.412 GHz	Fig.81	P
		30 MHz ~ 1 GHz	Fig.82	P
		1 GHz ~ 2.5 GHz	Fig.83	P
		2.5 GHz ~ 7.5 GHz	Fig.84	P
		7.5 GHz ~ 10 GHz	Fig.85	P
		10 GHz ~ 15 GHz	Fig.86	P
		15 GHz ~ 20 GHz	Fig.87	P
		20 GHz ~ 26 GHz	Fig.88	P
	6	2.437 GHz	Fig.89	P
		30 MHz ~ 1 GHz	Fig.90	P
		1 GHz ~ 2.5 GHz	Fig.91	P
		2.5 GHz ~ 7.5 GHz	Fig.92	P
		7.5 GHz ~ 10 GHz	Fig.93	P
		10 GHz ~ 15 GHz	Fig.94	P
		15 GHz ~ 20 GHz	Fig.95	P
		20 GHz ~ 26 GHz	Fig.96	P
	11	2.462 GHz	Fig.97	P
		30 MHz ~ 1 GHz	Fig.98	P
		1 GHz ~ 2.5 GHz	Fig.99	P
		2.5 GHz ~ 7.5 GHz	Fig.100	P
		7.5 GHz ~ 10 GHz	Fig.101	P
		10 GHz ~ 15 GHz	Fig.102	P
		15 GHz ~ 20 GHz	Fig.103	P
		20 GHz ~ 26 GHz	Fig.104	P

**802.11n-HT40 mode**

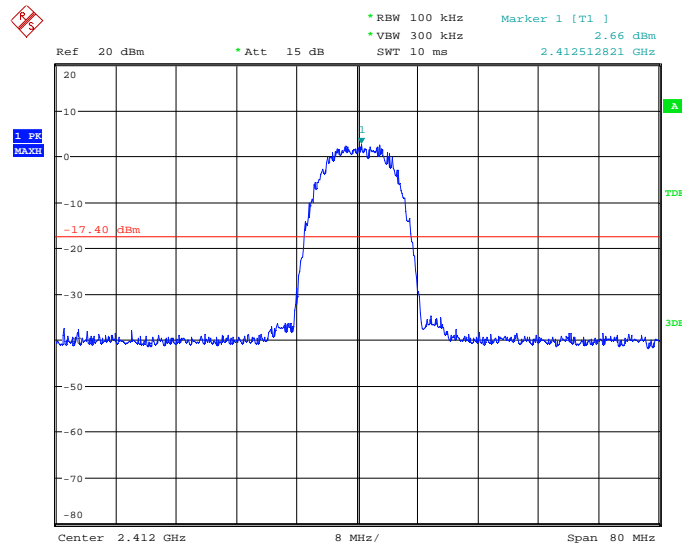
MODE	Channel	Frequency Range	Test Results	Conclusion
802.11n (40MHz)	3	2.422 GHz	Fig.105	P
		30 MHz ~ 1 GHz	Fig.106	P
		1 GHz ~ 2.5 GHz	Fig.107	P
		2.5 GHz ~ 7.5 GHz	Fig.108	P
		7.5 GHz ~ 10 GHz	Fig.109	P
		10 GHz ~ 15 GHz	Fig.110	P
		15 GHz ~ 20 GHz	Fig.111	P
		20 GHz ~ 26 GHz	Fig.112	P
	6	2.437 GHz	Fig.113	P
		30 MHz ~ 1 GHz	Fig.114	P
		1 GHz ~ 2.5 GHz	Fig.115	P
		2.5 GHz ~ 7.5 GHz	Fig.116	P
		7.5 GHz ~ 10 GHz	Fig.117	P
		10 GHz ~ 15 GHz	Fig.118	P



		15 GHz ~ 20 GHz	Fig.119	P
		20 GHz ~ 26 GHz	Fig.120	P
	9	2.452 GHz	Fig.121	P
		30 MHz ~ 1 GHz	Fig.122	P
		1 GHz ~ 2.5 GHz	Fig.123	P
		2.5 GHz ~ 7.5 GHz	Fig.124	P
		7.5 GHz ~ 10 GHz	Fig.125	P
		10 GHz ~ 15 GHz	Fig.126	P
		15 GHz ~ 20 GHz	Fig.127	P
		20 GHz ~ 26 GHz	Fig.128	P

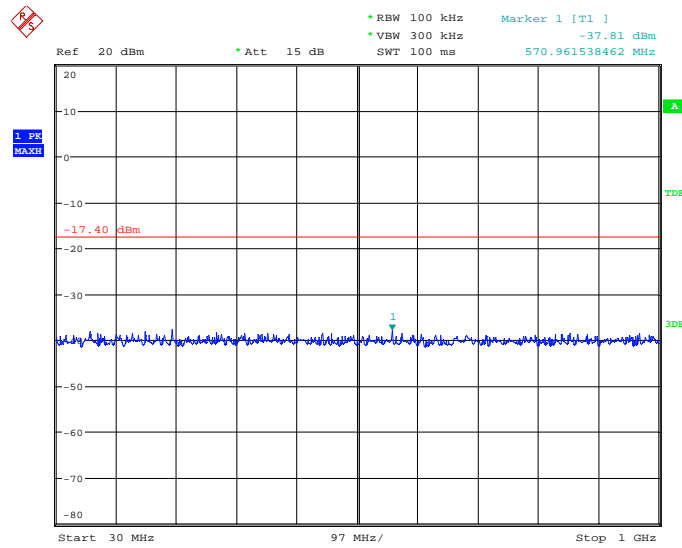
**Conclusion: PASS**

**Test graphs as below:**



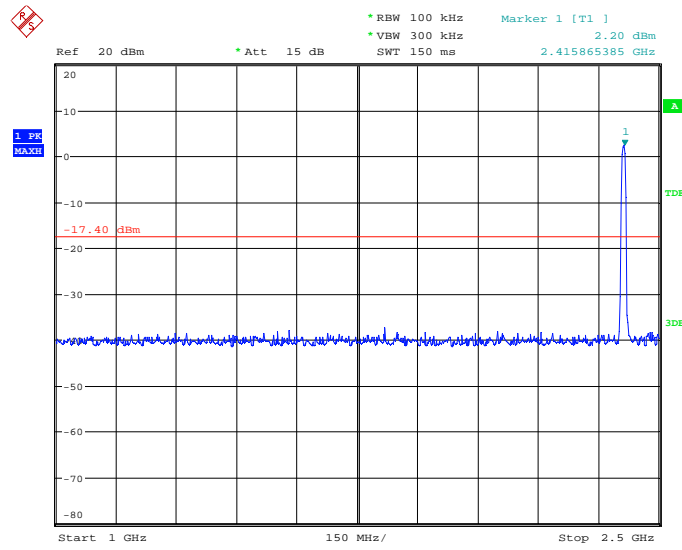
Date: 20.FEB.2013 10:05:03

Fig. 33 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)



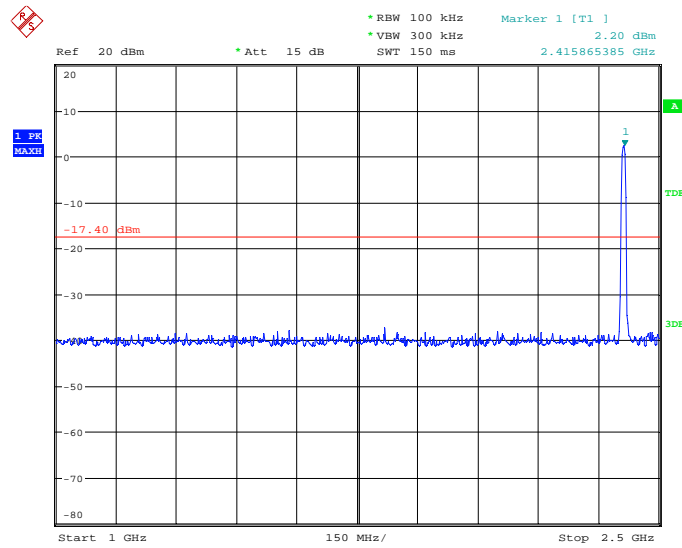
Date: 20.FEB.2013 10:05:10

Fig. 34 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)



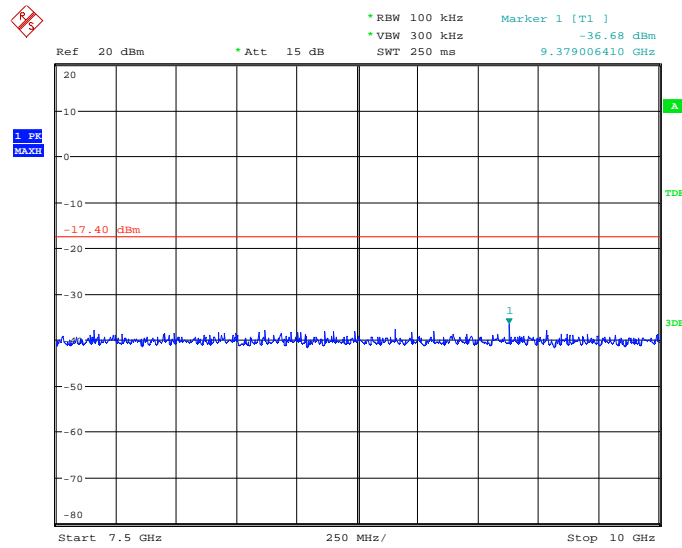
Date: 20.FEB.2013 10:05:16

**Fig. 35 Conducted Spurious Emission (802.11b, Ch1, 1 GHz-2.5 GHz)**



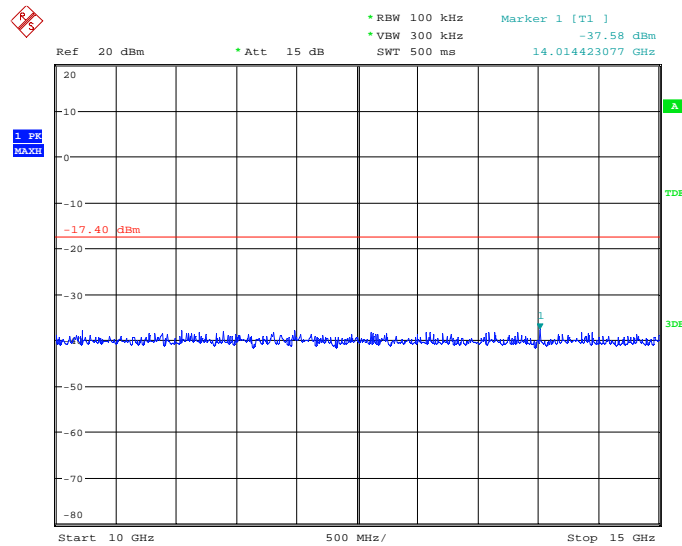
Date: 20.FEB.2013 10:05:16

**Fig. 36 Conducted Spurious Emission (802.11b, Ch1, 2.5 GHz-7.5 GHz)**



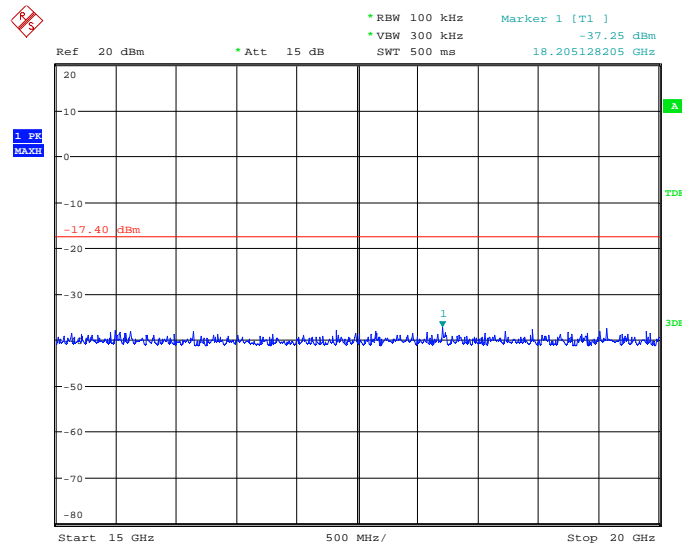
Date: 20.FEB.2013 10:05:29

**Fig. 37 Conducted Spurious Emission (802.11b, Ch1, 7.5 GHz-10 GHz)**



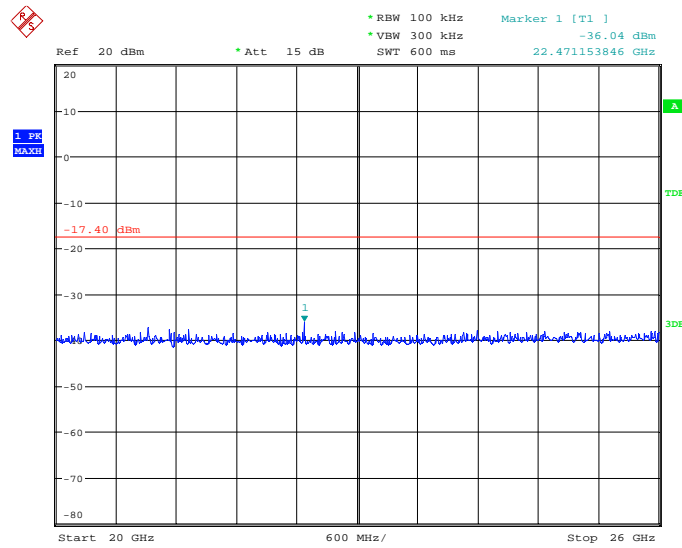
Date: 20.FEB.2013 10:05:35

**Fig. 38 Conducted Spurious Emission (802.11b, Ch1, 10 GHz-15 GHz)**



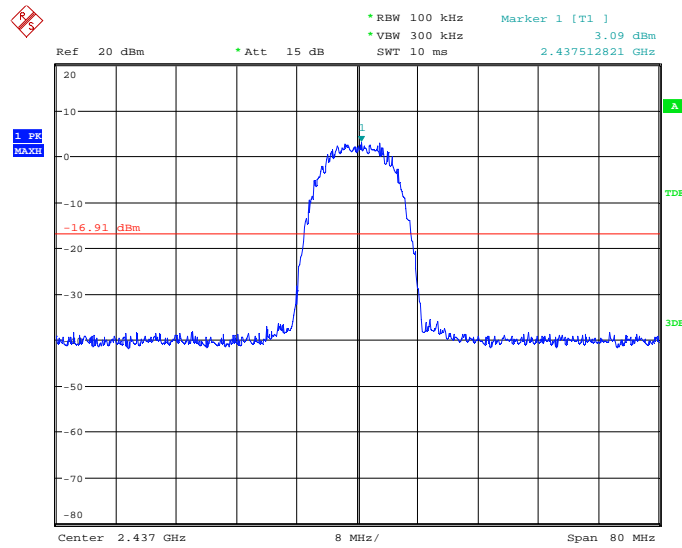
Date: 20.FEB.2013 10:05:42

**Fig. 39 Conducted Spurious Emission (802.11b, Ch1, 15 GHz-20 GHz)**



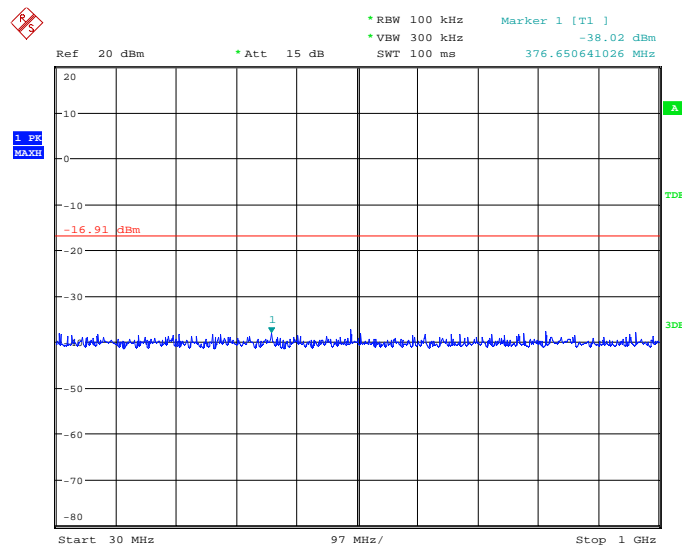
Date: 20.FEB.2013 10:05:48

**Fig. 40 Conducted Spurious Emission (802.11b, Ch1, 20 GHz-26 GHz)**



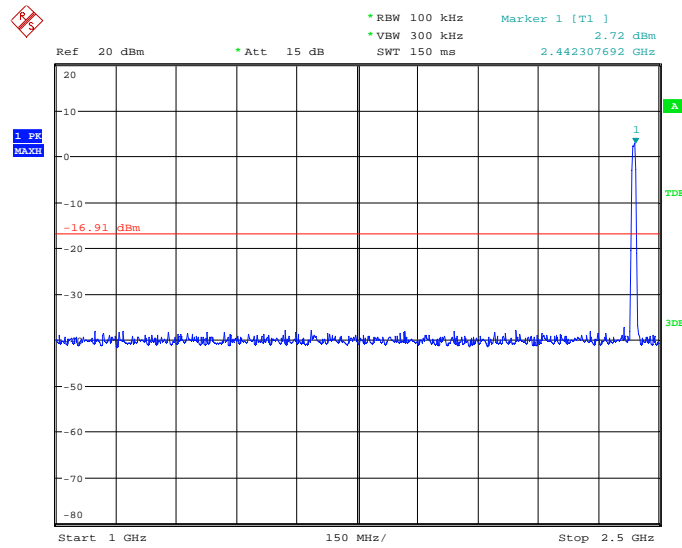
Date: 20.FEB.2013 10:06:40

**Fig. 41 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)**



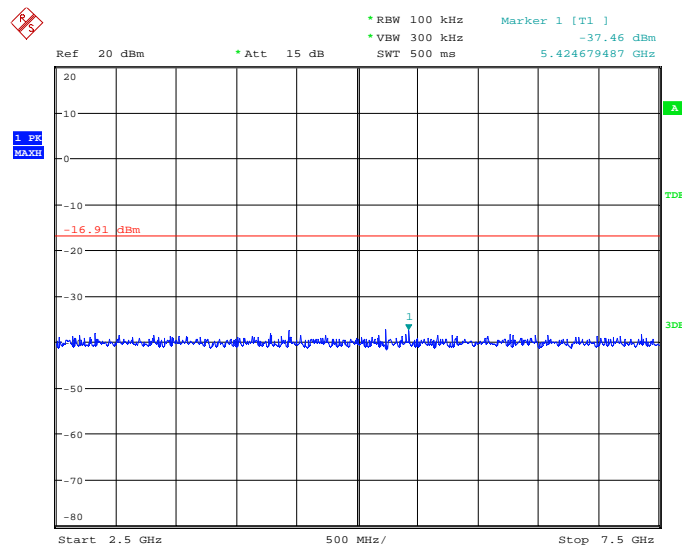
Date: 20.FEB.2013 10:06:47

**Fig. 42 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)**



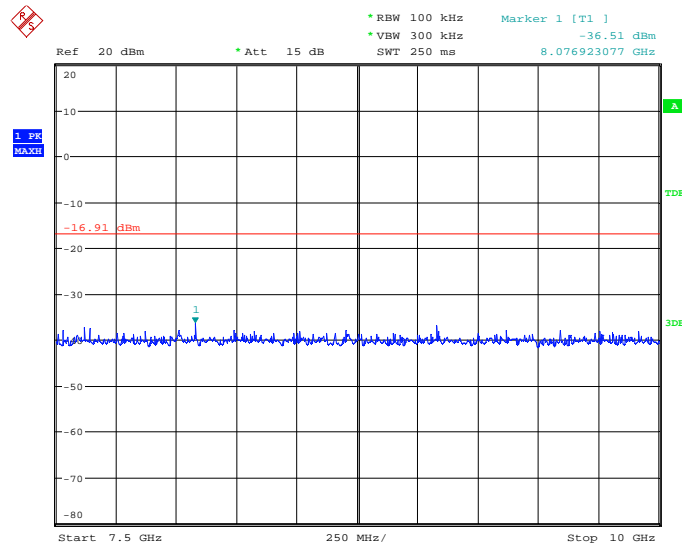
Date: 20.FEB.2013 10:06:53

Fig. 43 Conducted Spurious Emission (802.11b, Ch6, 1 GHz-2.5 GHz)



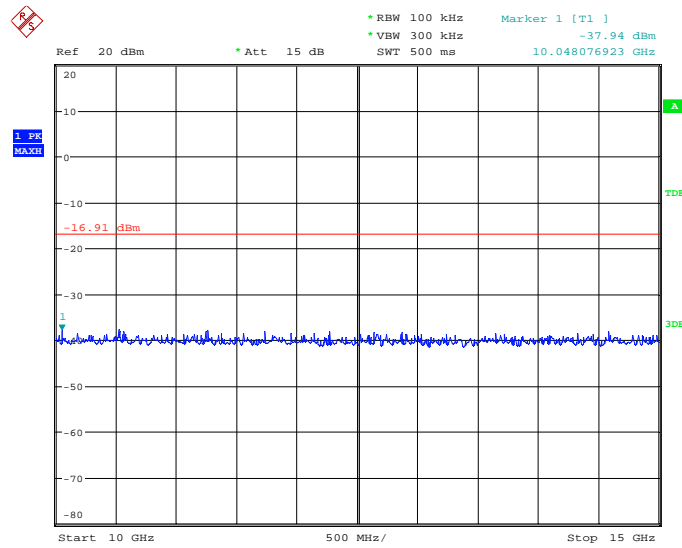
Date: 20.FEB.2013 10:06:59

Fig. 44 Conducted Spurious Emission (802.11b, Ch6, 2.5 GHz-7.5 GHz)



Date: 20.FEB.2013 10:07:06

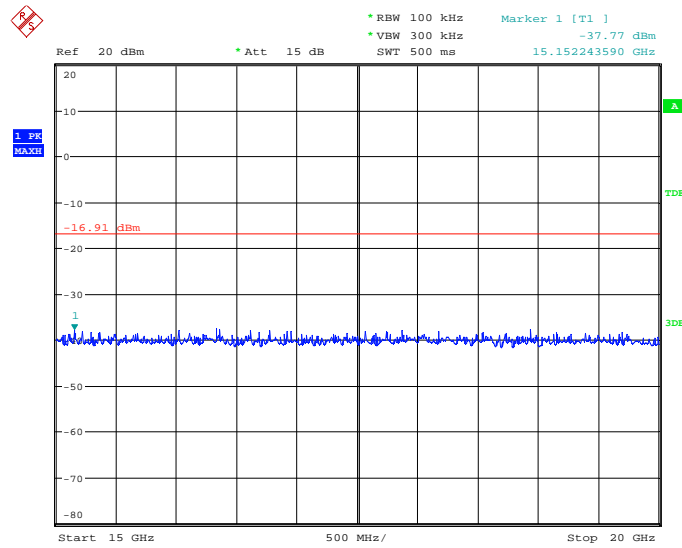
**Fig. 45 Conducted Spurious Emission (802.11b, Ch6, 7.5 GHz-10 GHz)**



Date: 20.FEB.2013 10:07:13

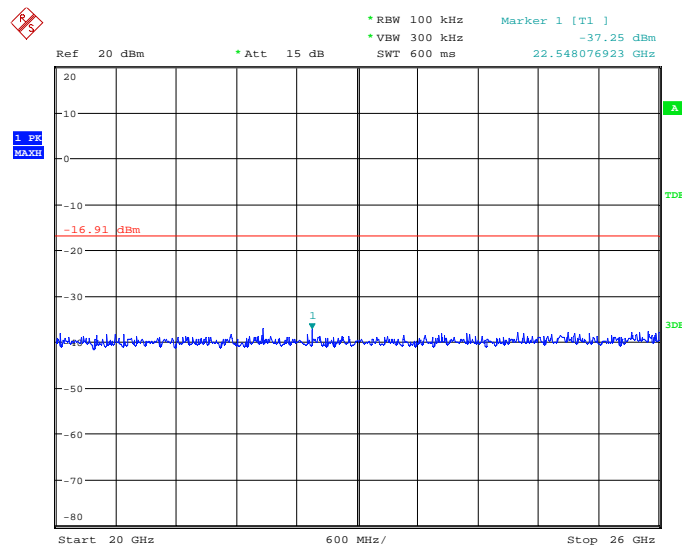
**Fig. 46 Conducted Spurious Emission (802.11b, Ch6, 10 GHz-15 GHz)**





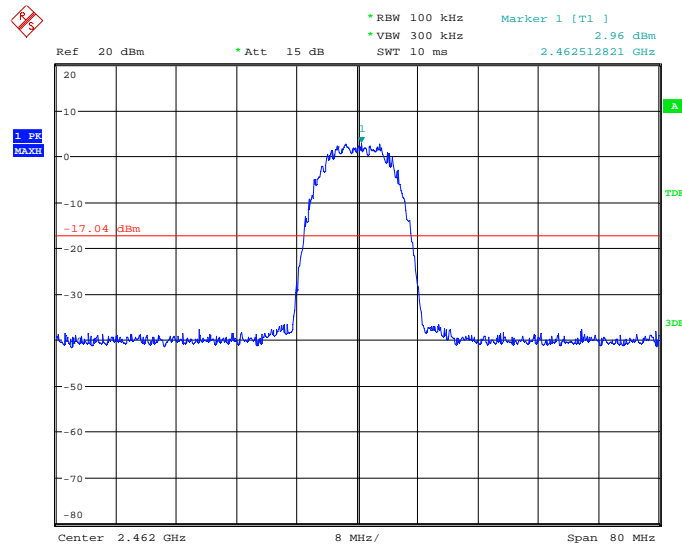
Date: 20.FEB.2013 10:07:19

Fig. 47 Conducted Spurious Emission (802.11b, Ch6, 15 GHz-20 GHz)



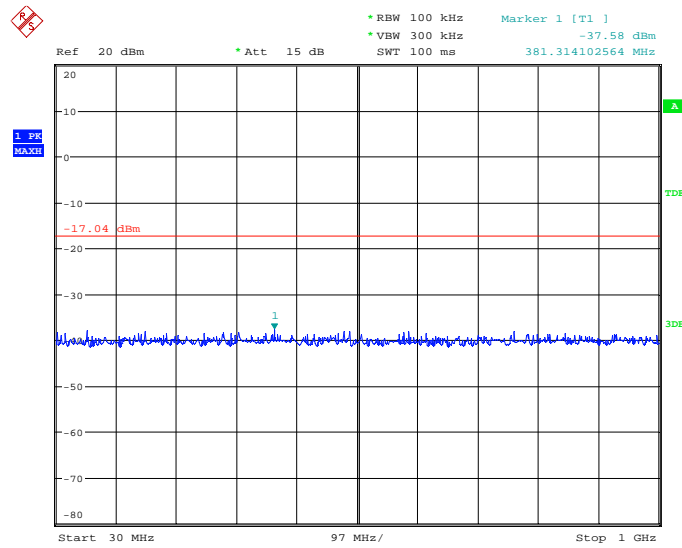
Date: 20.FEB.2013 10:07:26

Fig. 48 Conducted Spurious Emission (802.11b, Ch6, 20 GHz-26 GHz)



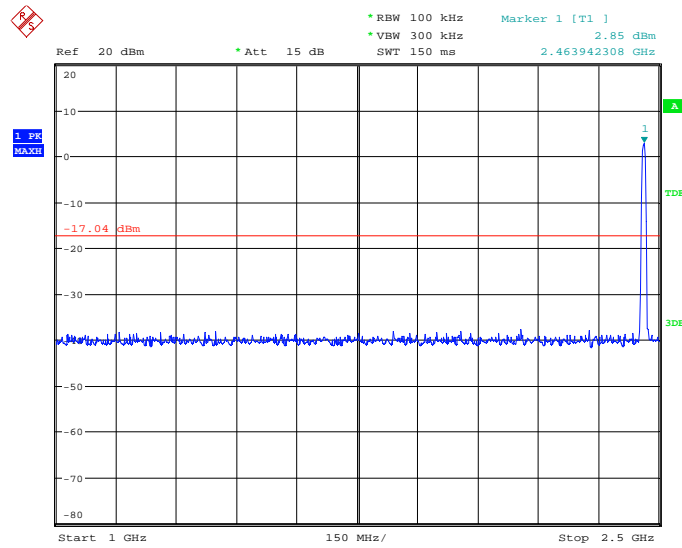
Date: 20.FEB.2013 10:09:22

Fig. 49 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)



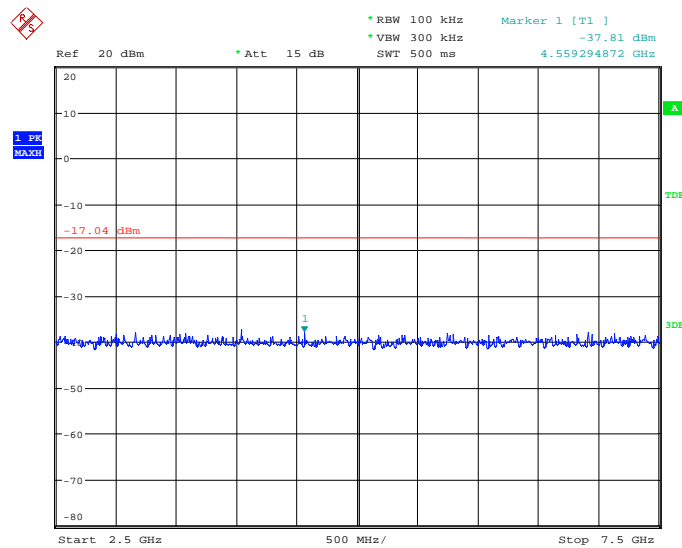
Date: 20.FEB.2013 10:09:28

Fig. 50 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)



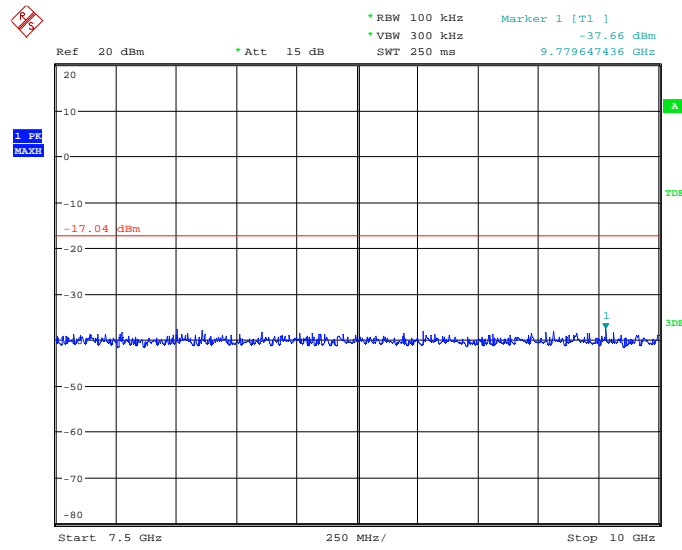
Date: 20.FEB.2013 10:09:35

**Fig. 51 Conducted Spurious Emission (802.11b, Ch11, 1 GHz-2.5 GHz)**



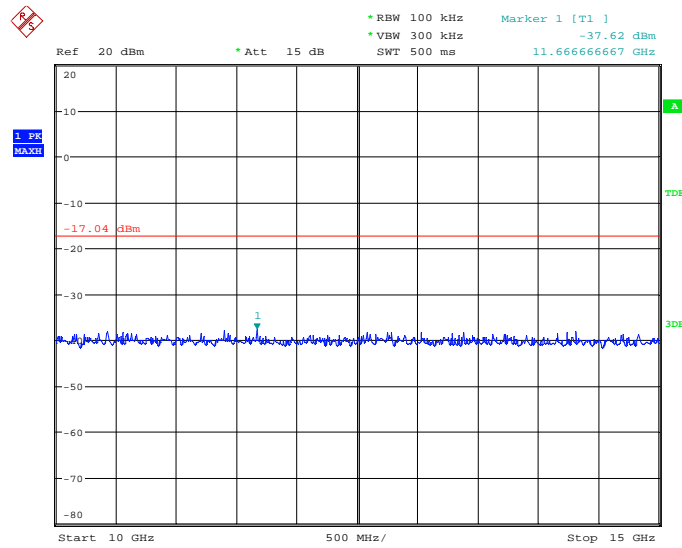
Date: 20.FEB.2013 10:09:41

**Fig. 52 Conducted Spurious Emission (802.11b, Ch11, 2.5 GHz-7.5 GHz)**



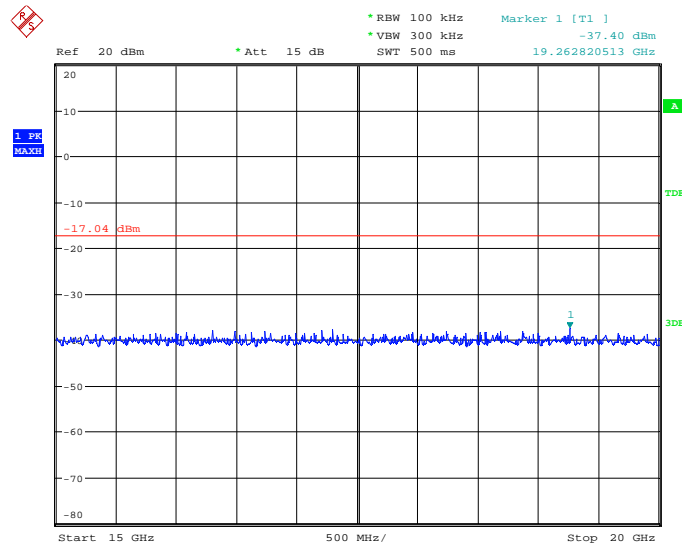
Date: 20.FEB.2013 10:09:47

**Fig. 53 Conducted Spurious Emission (802.11b, Ch11, 7.5 GHz-10 GHz)**



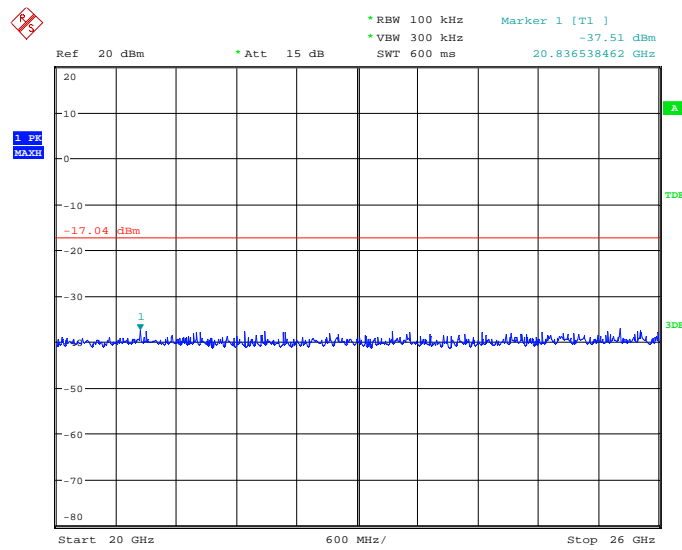
Date: 20.FEB.2013 10:09:54

**Fig. 54 Conducted Spurious Emission (802.11b, Ch11, 10 GHz-15 GHz)**



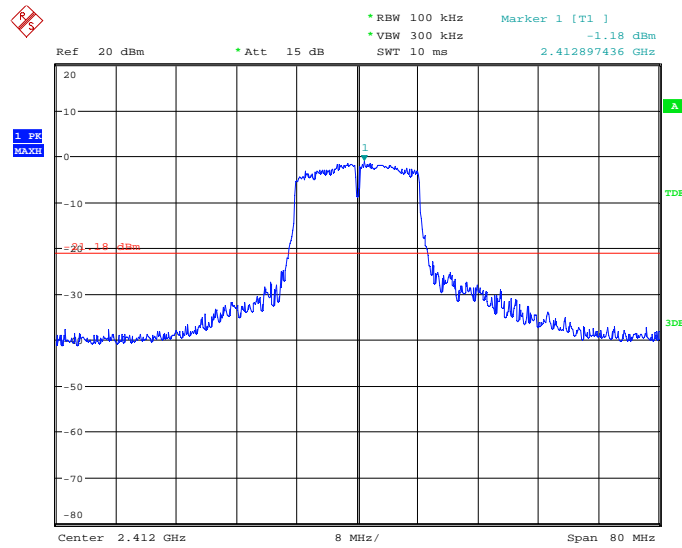
Date: 20.FEB.2013 10:10:00

Fig. 55 Conducted Spurious Emission (802.11b, Ch11, 15 GHz-20 GHz)



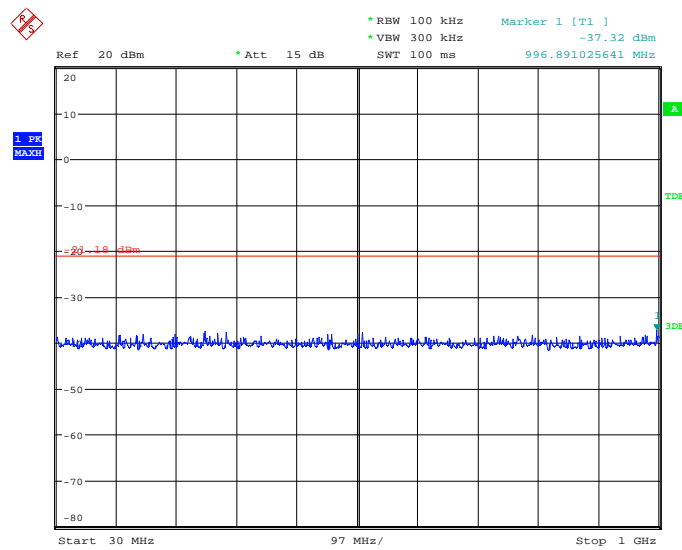
Date: 20.FEB.2013 10:10:06

Fig. 56 Conducted Spurious Emission (802.11b, Ch11, 20 GHz-26 GHz)



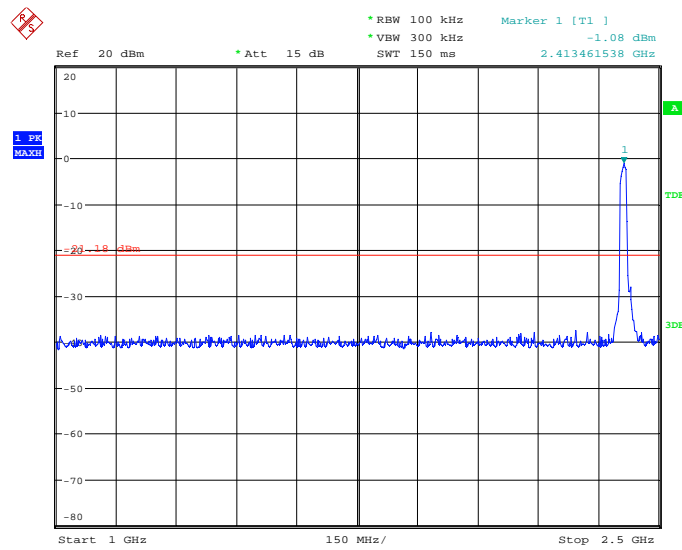
Date: 20.FEB.2013 10:10:45

**Fig. 57 Conducted Spurious Emission (802.11g, Ch1, Center Frequency)**



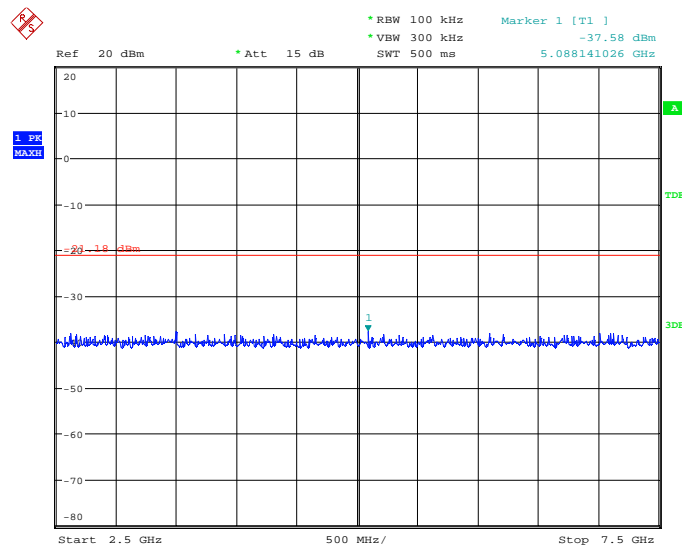
Date: 20.FEB.2013 10:10:52

**Fig. 58 Conducted Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)**



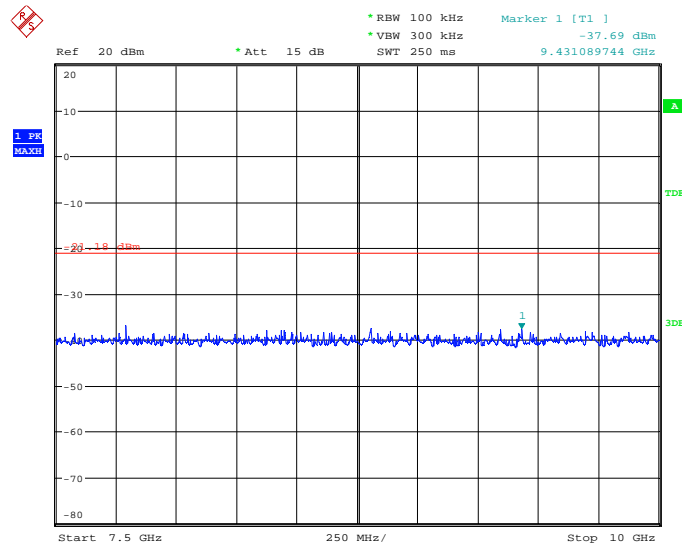
Date: 20.FEB.2013 10:10:58

**Fig. 59 Conducted Spurious Emission (802.11g, Ch1, 1 GHz-2.5 GHz)**



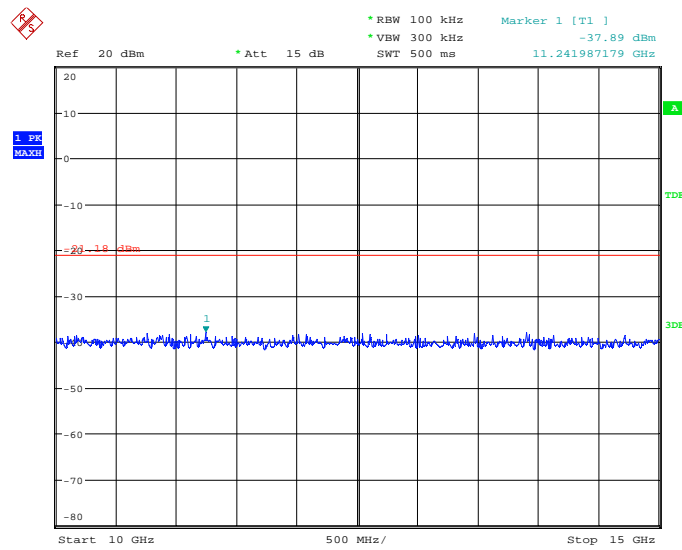
Date: 20.FEB.2013 10:11:05

**Fig. 60 Conducted Spurious Emission (802.11g, Ch1, 2.5 GHz-7.5 GHz)**



Date: 20.FEB.2013 10:11:11

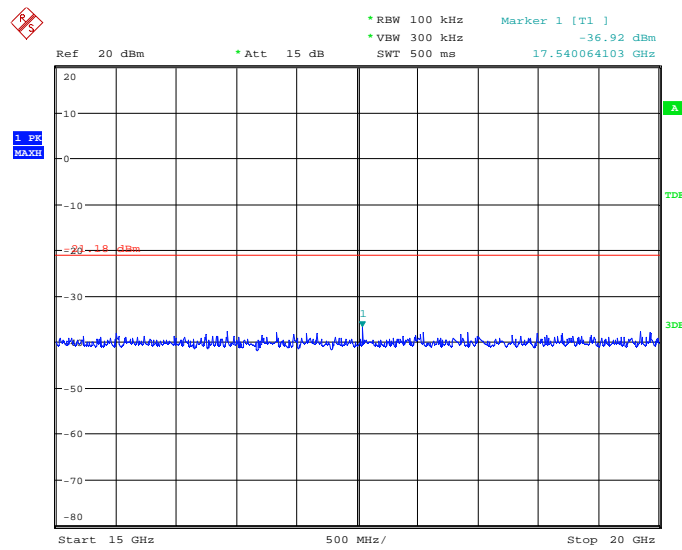
Fig. 61 Conducted Spurious Emission (802.11g, Ch1, 7.5 GHz-10 GHz)



Date: 20.FEB.2013 10:11:17

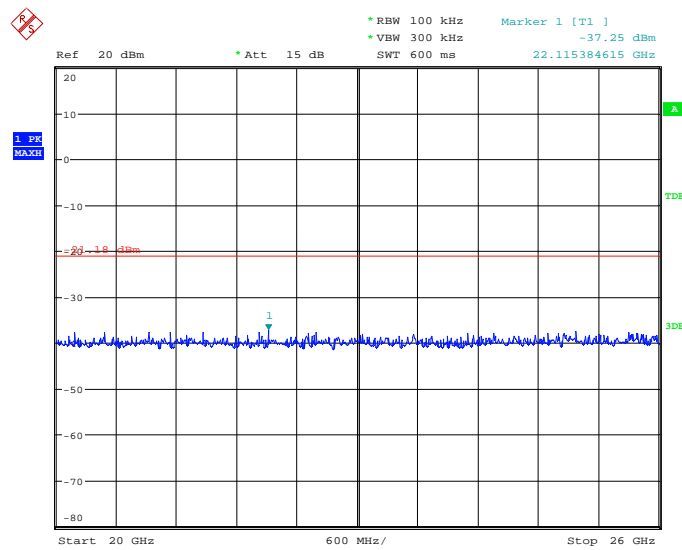
Fig. 62 Conducted Spurious Emission (802.11g, Ch1, 10 GHz-15 GHz)





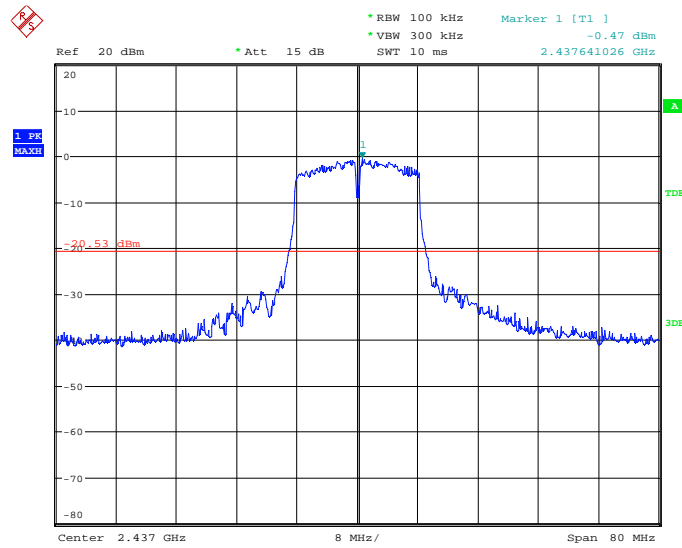
Date: 20.FEB.2013 10:11:24

**Fig. 63 Conducted Spurious Emission (802.11g, Ch1, 15 GHz-20 GHz)**



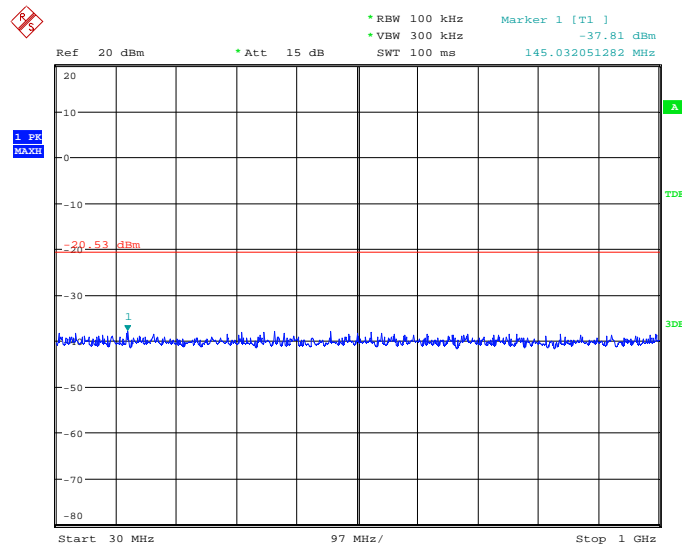
Date: 20.FEB.2013 10:11:30

**Fig. 64 Conducted Spurious Emission (802.11g, Ch1, 20 GHz-26 GHz)**



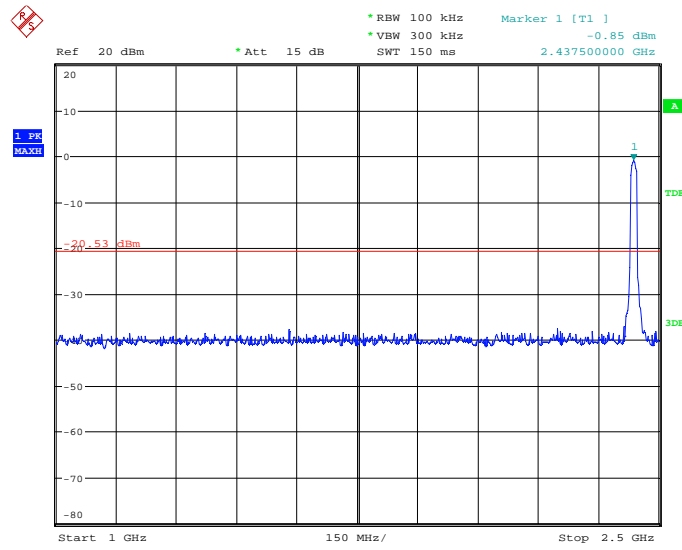
Date: 20.FEB.2013 10:12:02

**Fig. 65 Conducted Spurious Emission (802.11g, Ch6, Center Frequency)**



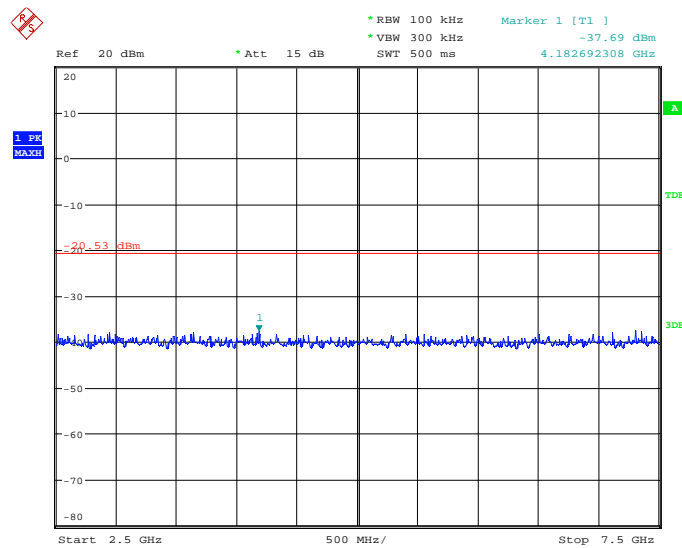
Date: 20.FEB.2013 10:12:08

**Fig. 66 Conducted Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)**



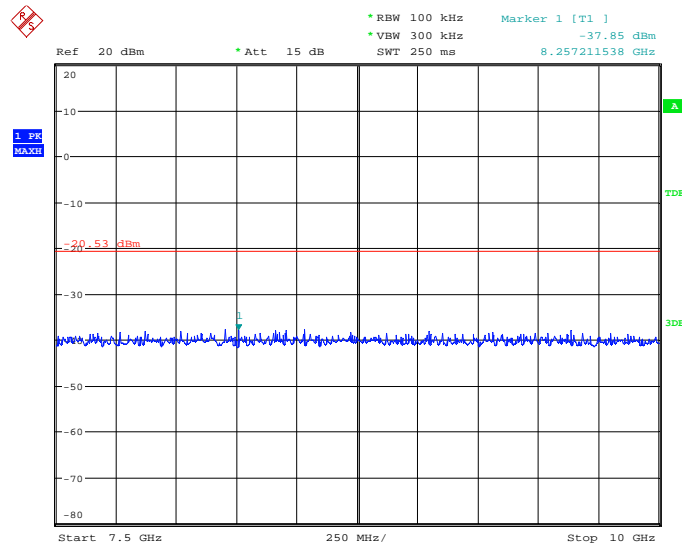
Date: 20.FEB.2013 10:12:15

Fig. 67 Conducted Spurious Emission (802.11g, Ch6, 1 GHz-2.5 GHz)



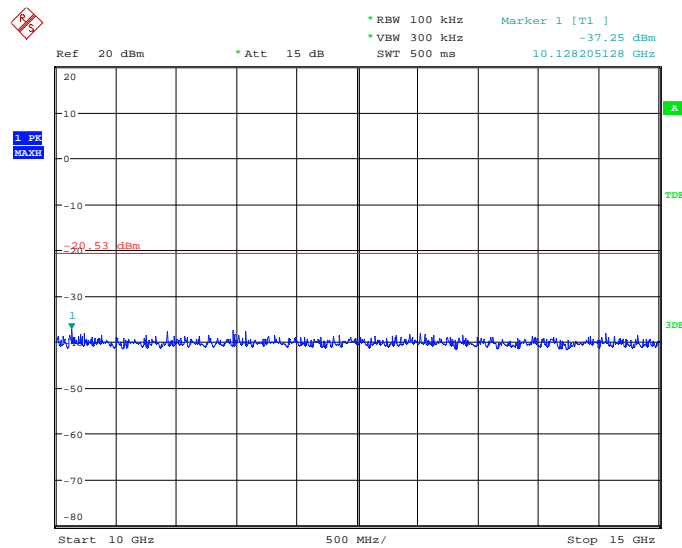
Date: 20.FEB.2013 10:12:21

Fig. 68 Conducted Spurious Emission (802.11g, Ch6, 2.5 GHz-7.5 GHz)



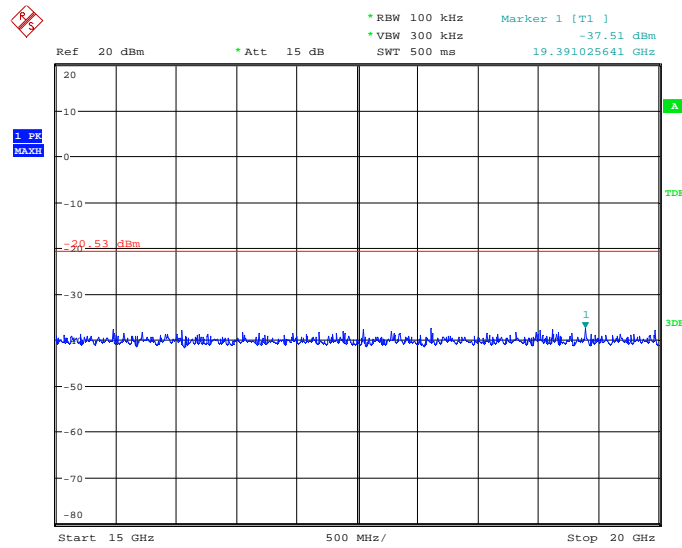
Date: 20.FEB.2013 10:12:27

Fig. 69 Conducted Spurious Emission (802.11g, Ch6, 7.5 GHz-10 GHz)



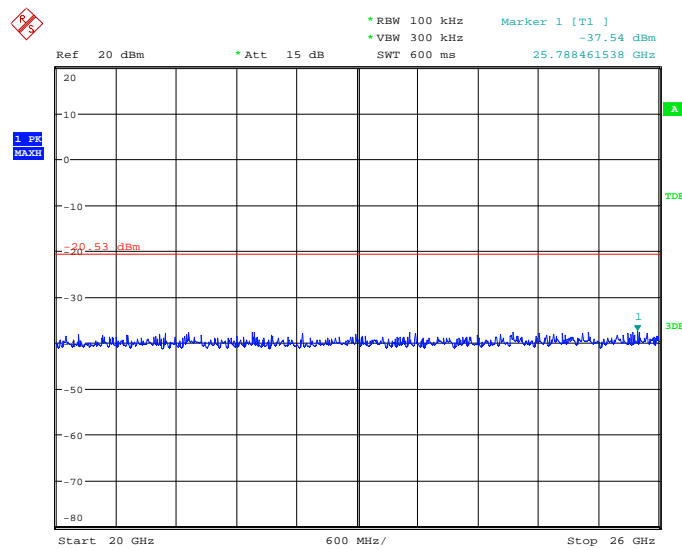
Date: 20.FEB.2013 10:12:34

Fig. 70 Conducted Spurious Emission (802.11g, Ch6, 10 GHz-15 GHz)



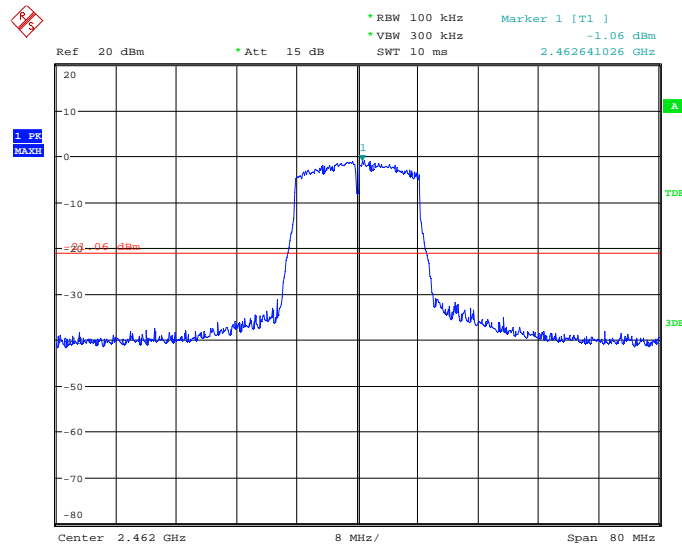
Date: 20.FEB.2013 10:12:40

**Fig. 71 Conducted Spurious Emission (802.11g, Ch6, 15 GHz-20 GHz)**



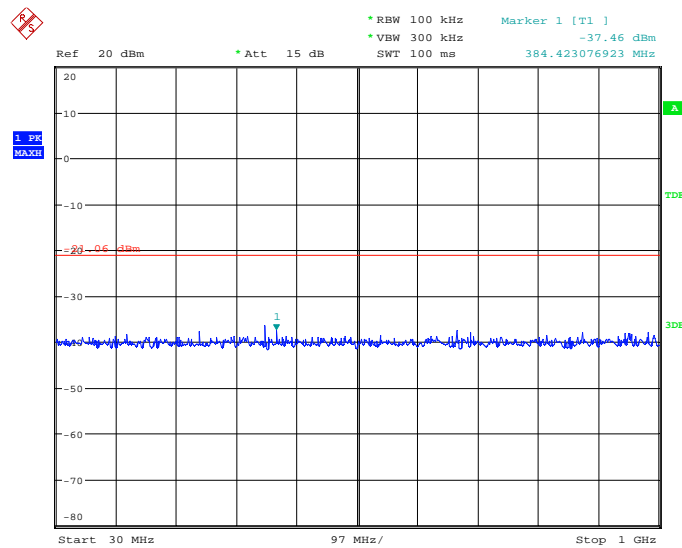
Date: 20.FEB.2013 10:12:46

**Fig. 72 Conducted Spurious Emission (802.11g, Ch6, 20 GHz-26 GHz)**



Date: 20.FEB.2013 10:13:25

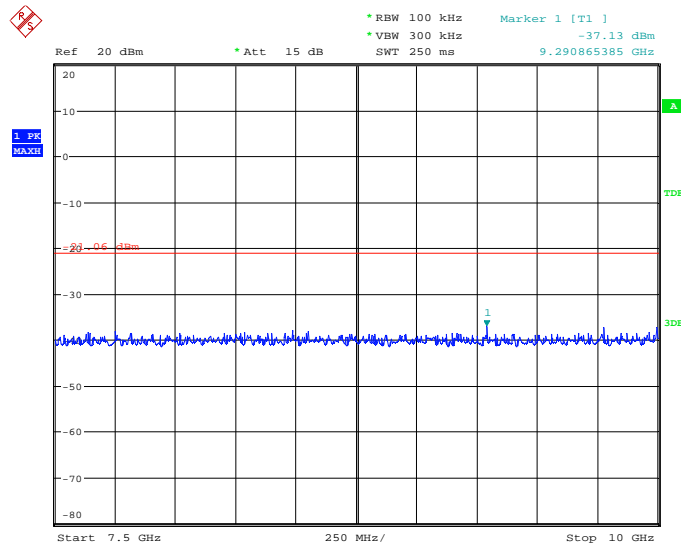
Fig. 73 Conducted Spurious Emission (802.11g, Ch11, Center Frequency)



Date: 20.FEB.2013 10:13:32

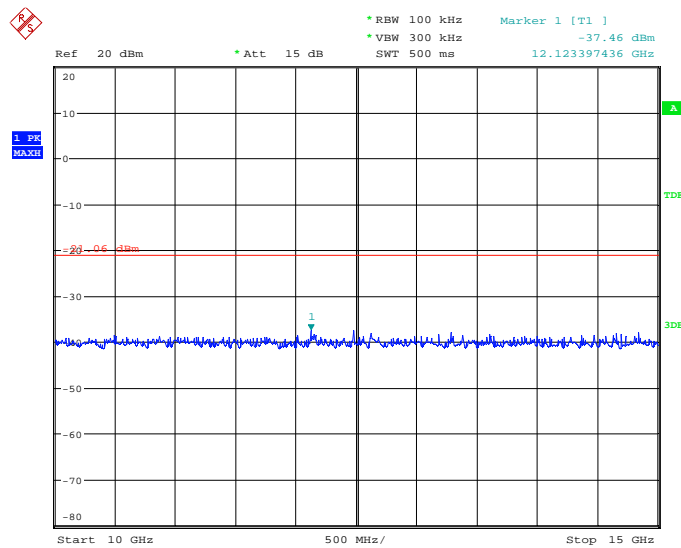
Fig. 74 Conducted Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)





Date: 20.FEB.2013 10:13:51

**Fig. 77 Conducted Spurious Emission (802.11g, Ch11, 7.5 GHz-10 GHz)**

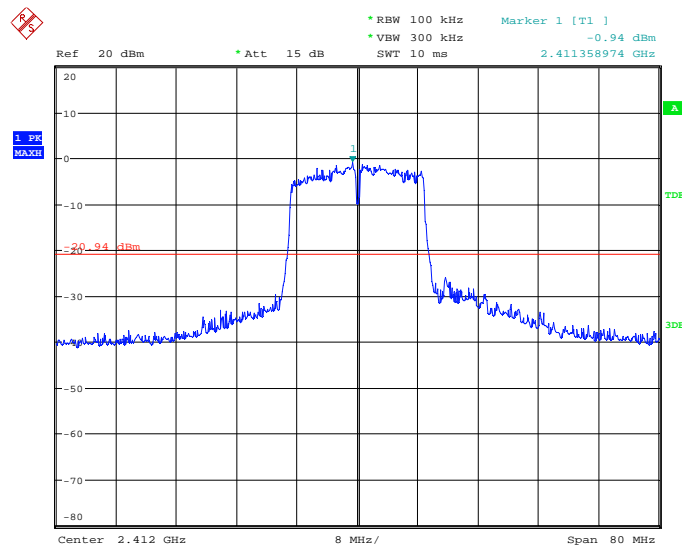


Date: 20.FEB.2013 10:13:58

**Fig. 78 Conducted Spurious Emission (802.11g, Ch11, 10 GHz-15 GHz)**

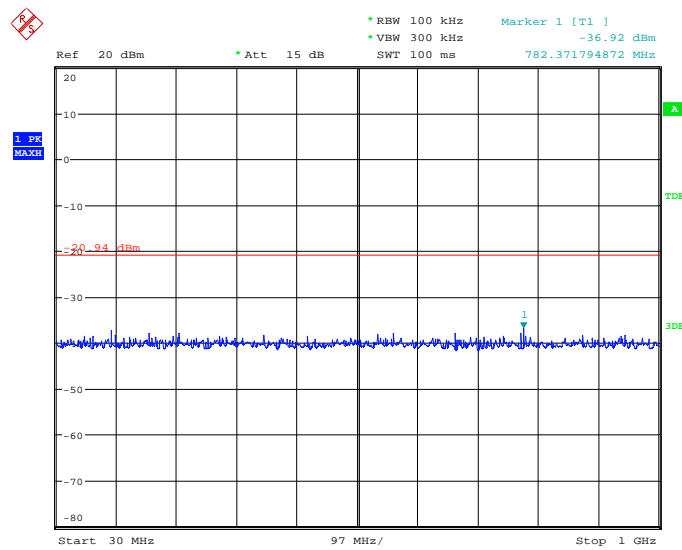






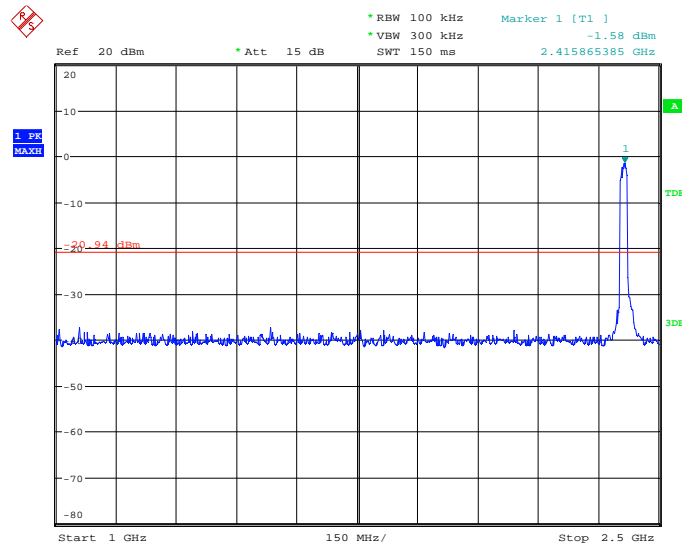
Date: 20.FEB.2013 10:15:01

Fig. 81 Conducted Spurious Emission (802.11n-HT20, Ch1, Center Frequency)



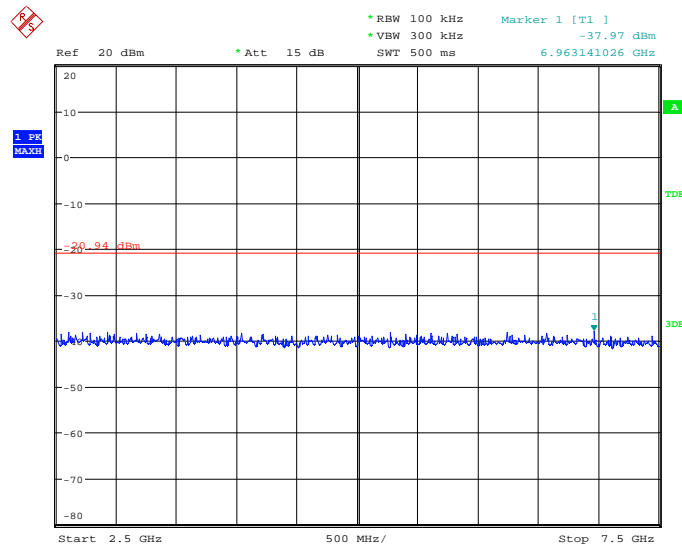
Date: 20.FEB.2013 10:15:07

Fig. 82 Conducted Spurious Emission (802.11n-HT20, Ch1, 30 MHz-1 GHz)



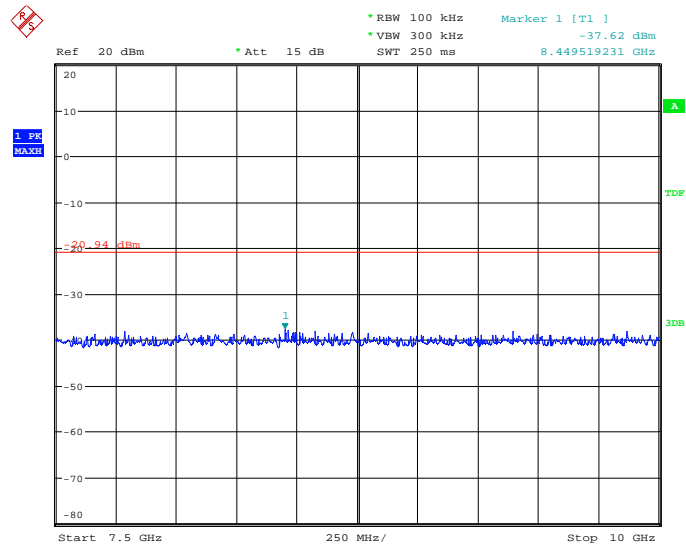
Date: 20.FEB.2013 10:15:12

**Fig. 83 Conducted Spurious Emission (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)**



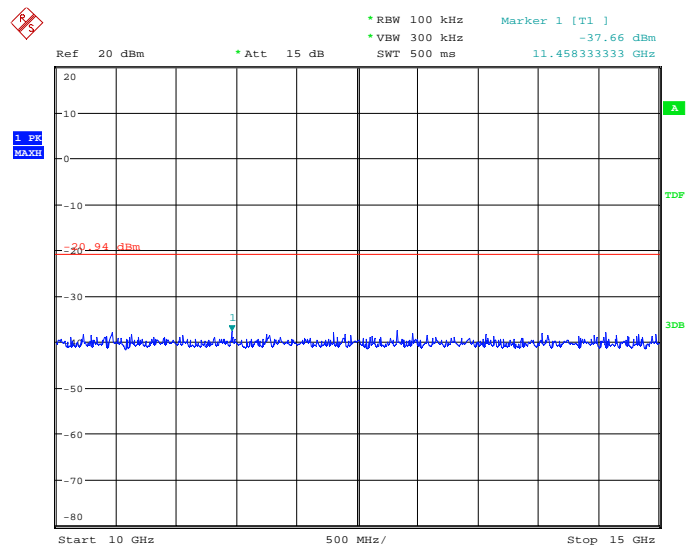
Date: 20.FEB.2013 10:15:19

**Fig. 84 Conducted Spurious Emission (802.11n-HT20, Ch1, 2.5 GHz-7.5 GHz)**



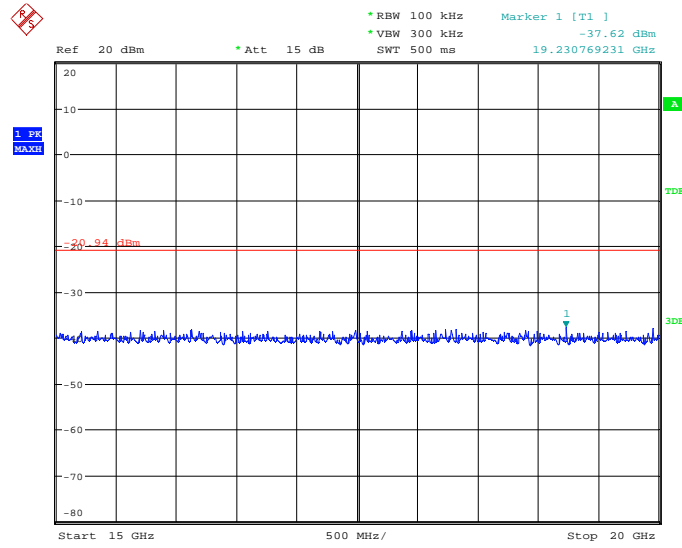
Date: 20.FEB.2013 10:15:25

**Fig. 85 Conducted Spurious Emission (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)**



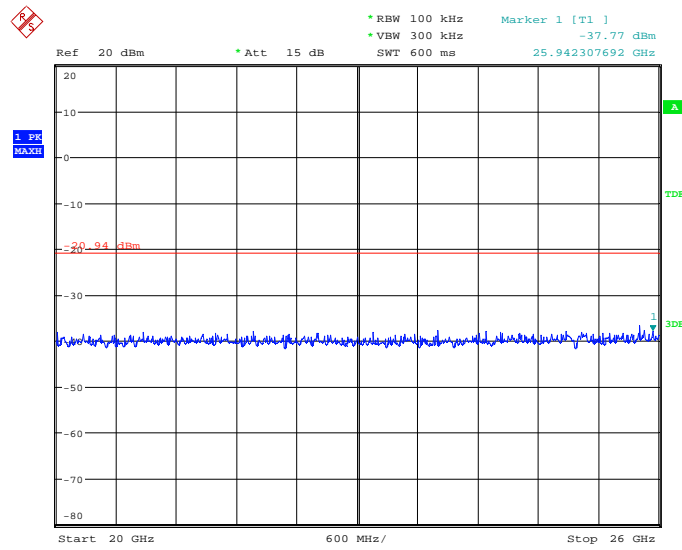
Date: 20.FEB.2013 10:15:31

**Fig. 86 Conducted Spurious Emission (802.11n-HT20, Ch1, 10 GHz-15 GHz)**



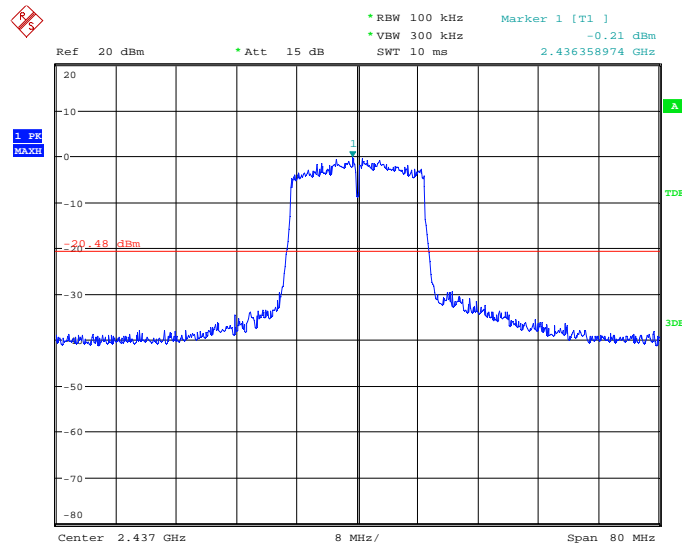
Date: 20.FEB.2013 10:15:36

**Fig. 87 Conducted Spurious Emission (802.11n-HT20, Ch1, 15 GHz-20 GHz)**



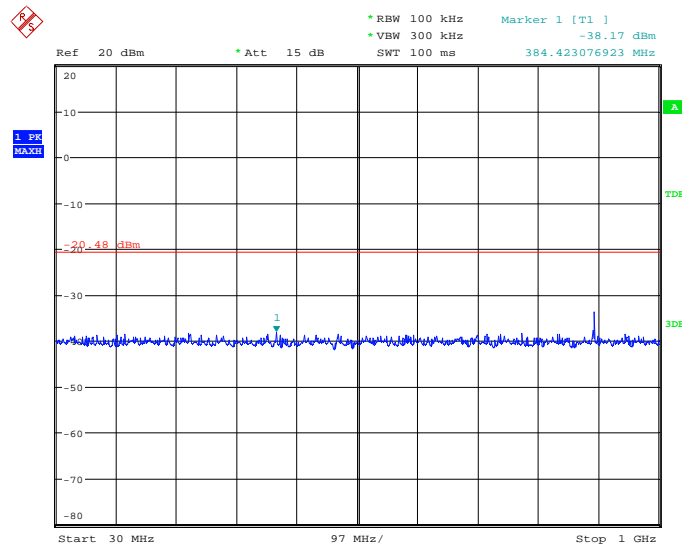
Date: 20.FEB.2013 10:15:42

**Fig. 88 Conducted Spurious Emission (802.11n-HT20, Ch1, 20 GHz-26 GHz)**



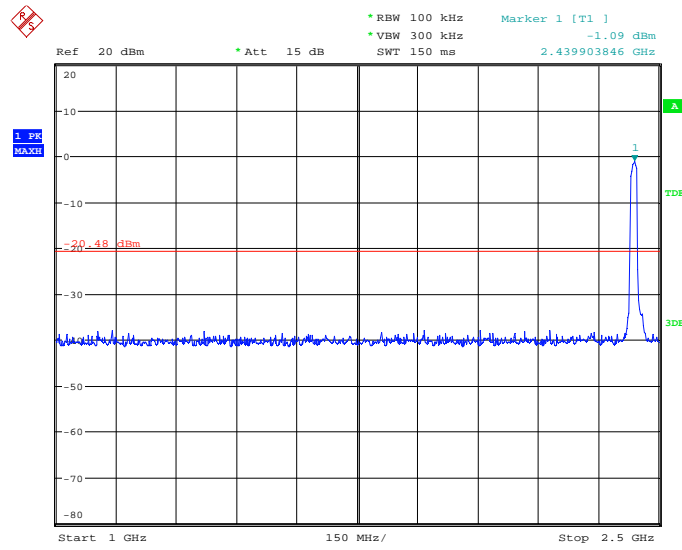
Date: 20.FEB.2013 10:16:18

**Fig. 89 Conducted Spurious Emission (802.11n-HT20, Ch6, Center Frequency)**



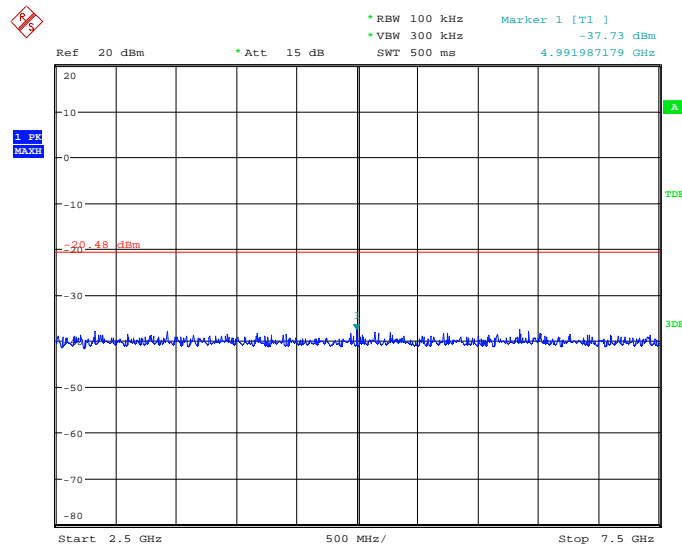
Date: 20.FEB.2013 10:16:24

**Fig. 90 Conducted Spurious Emission (802.11n-HT20, Ch6, 30 MHz-1 GHz)**



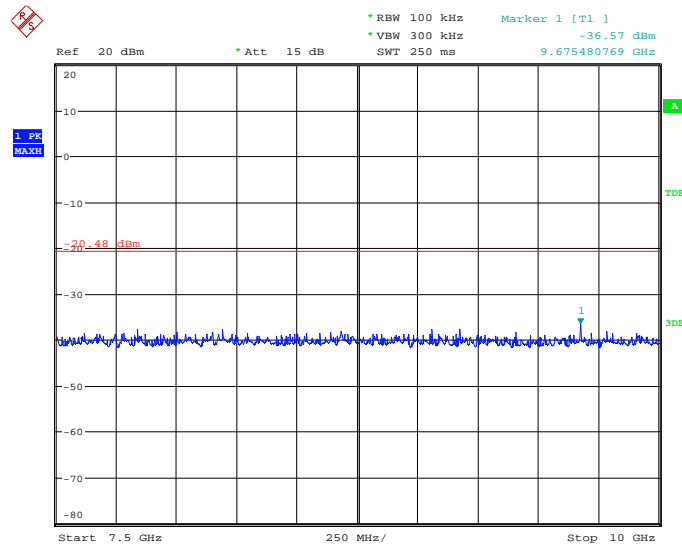
Date: 20.FEB.2013 10:16:30

**Fig. 91 Conducted Spurious Emission (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)**



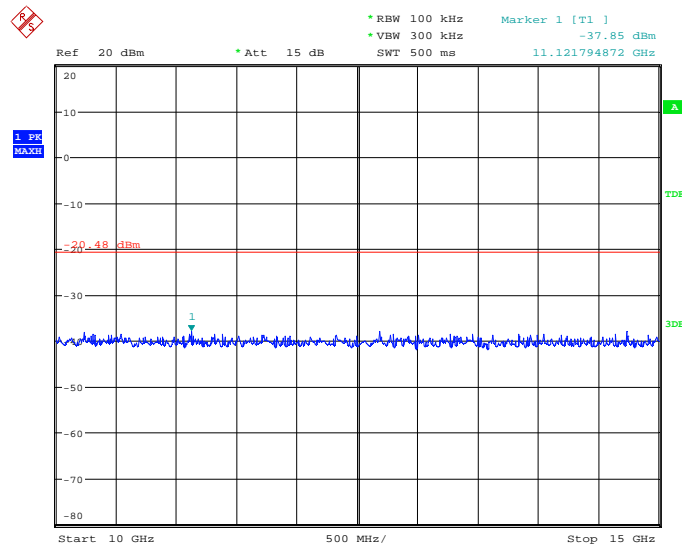
Date: 20.FEB.2013 10:16:36

**Fig. 92 Conducted Spurious Emission (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)**



Date: 20.FEB.2013 10:16:42

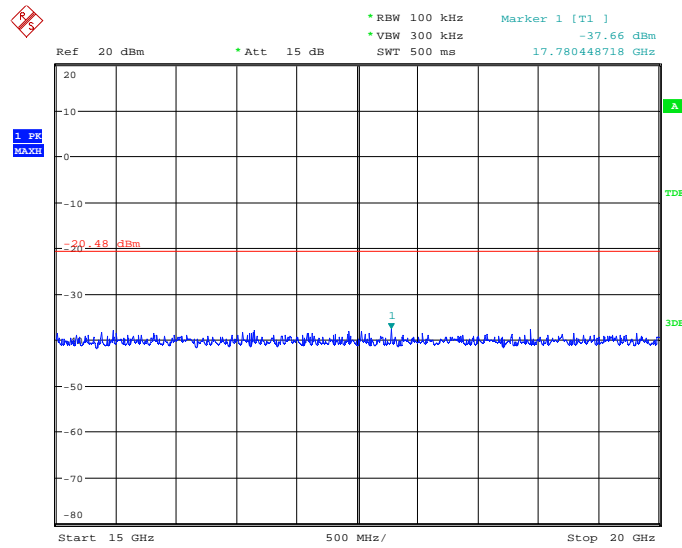
**Fig. 93 Conducted Spurious Emission (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)**



Date: 20.FEB.2013 10:16:48

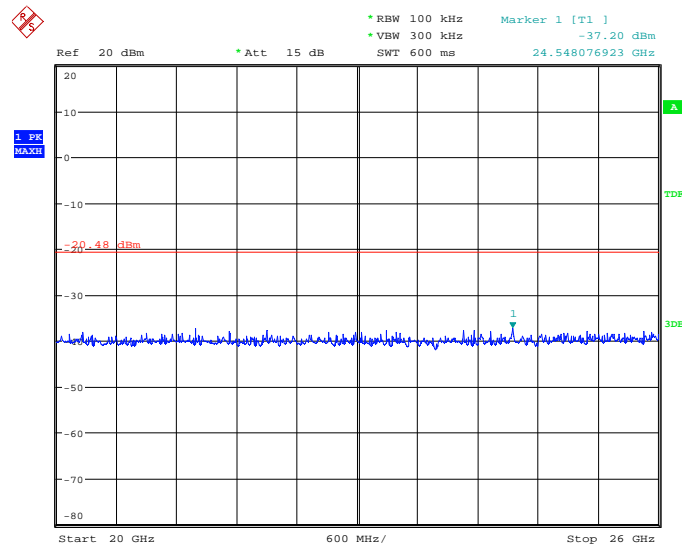
**Fig. 94 Conducted Spurious Emission (802.11n-HT20, Ch6, 10 GHz-15 GHz)**





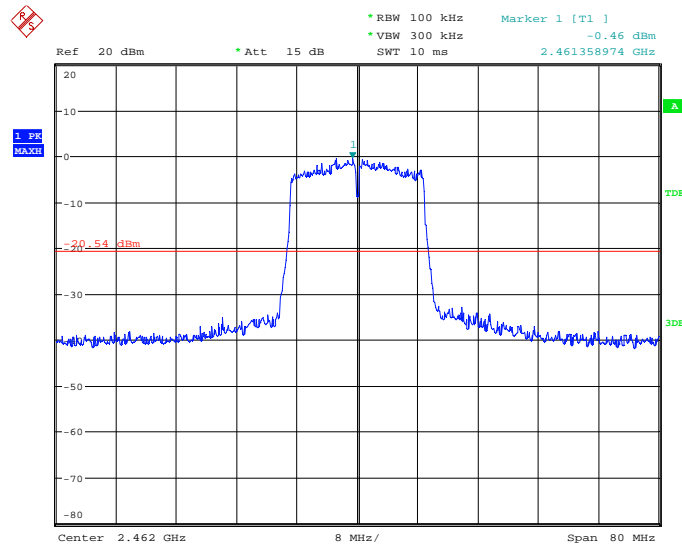
Date: 20.FEB.2013 10:16:54

**Fig. 95 Conducted Spurious Emission (802.11n-HT20, Ch6, 15 GHz-20 GHz)**



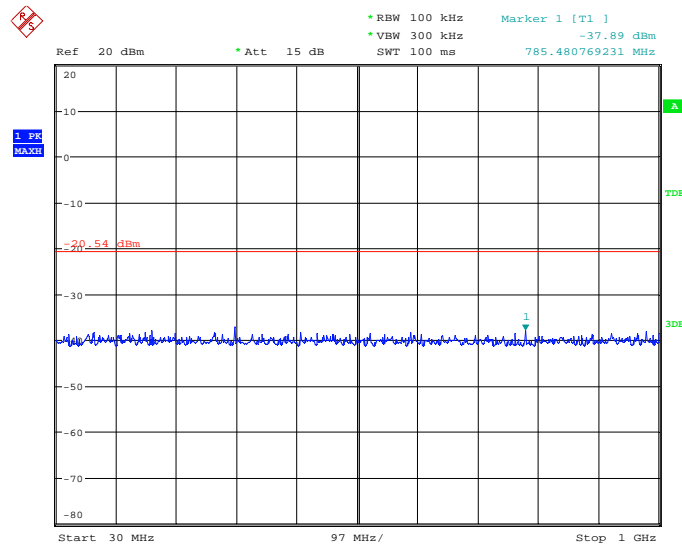
Date: 20.FEB.2013 10:17:00

**Fig. 96 Conducted Spurious Emission (802.11n-HT20, Ch6, 20 GHz-26 GHz)**



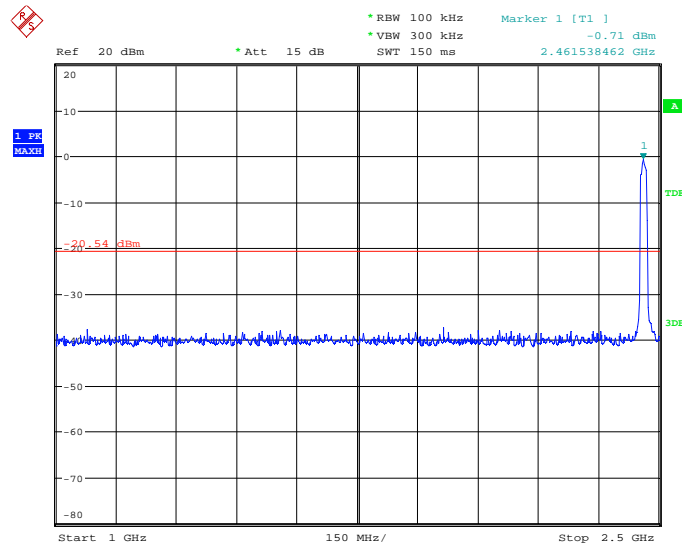
Date: 20.FEB.2013 10:18:54

Fig. 97 Conducted Spurious Emission (802.11n-HT20, Ch11, Center Frequency)



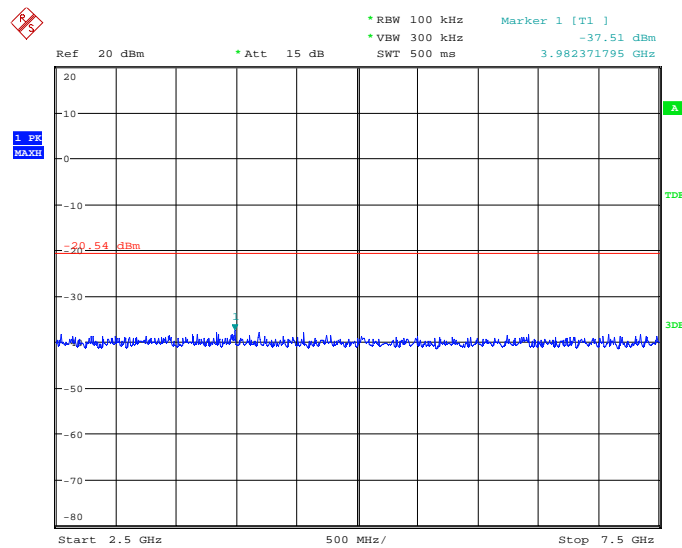
Date: 20.FEB.2013 10:19:01

Fig. 98 Conducted Spurious Emission (802.11n-HT20, Ch11, 30 MHz-1 GHz)



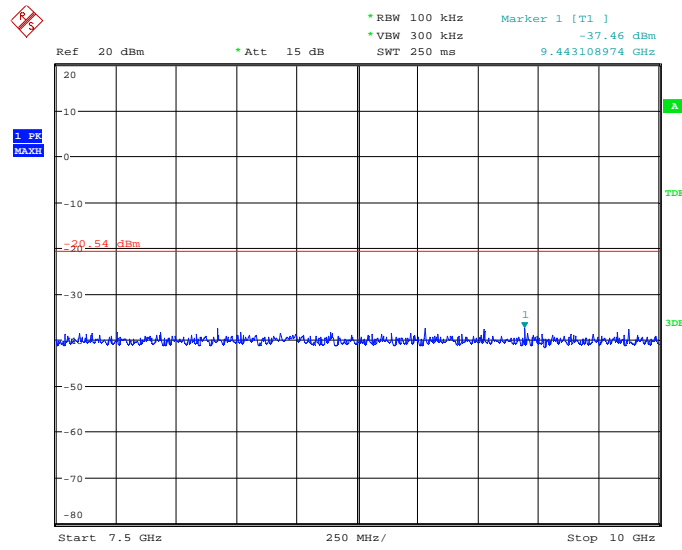
Date: 20.FEB.2013 10:19:07

Fig. 99 Conducted Spurious Emission (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)



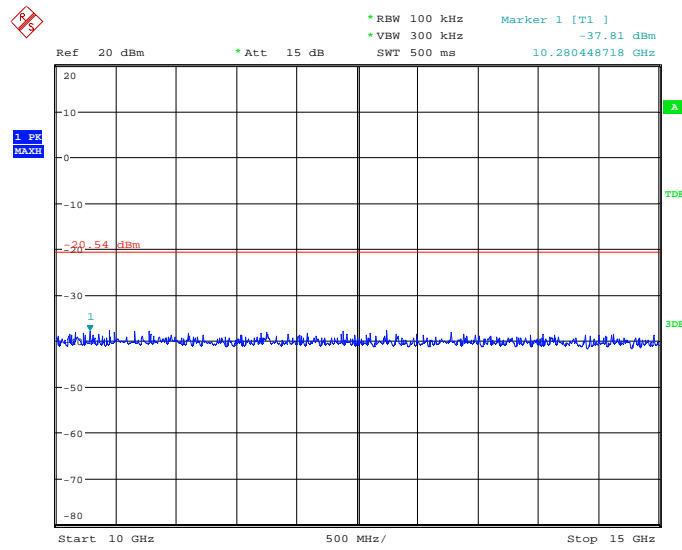
Date: 20.FEB.2013 10:19:14

Fig. 100 Conducted Spurious Emission (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)



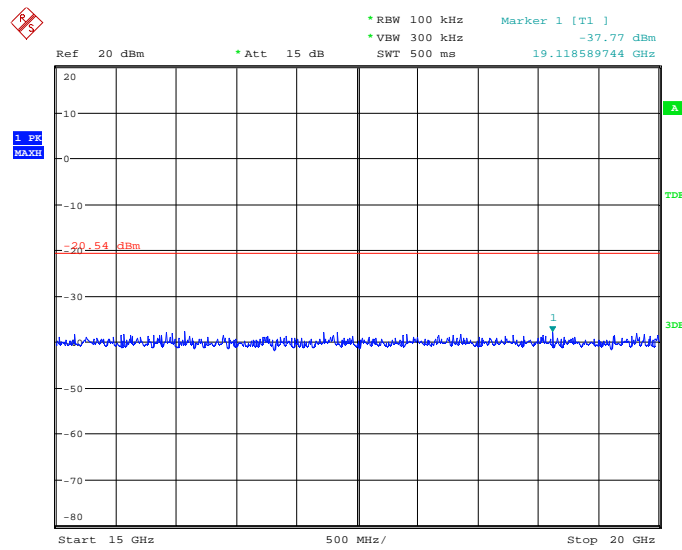
Date: 20.FEB.2013 10:19:20

**Fig. 101 Conducted Spurious Emission (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)**



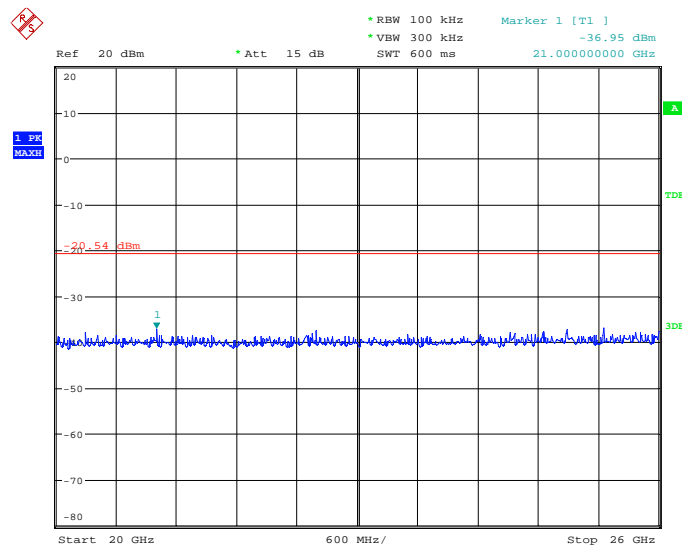
Date: 20.FEB.2013 10:19:27

**Fig. 102 Conducted Spurious Emission (802.11n-HT20, Ch11, 10 GHz-15 GHz)**



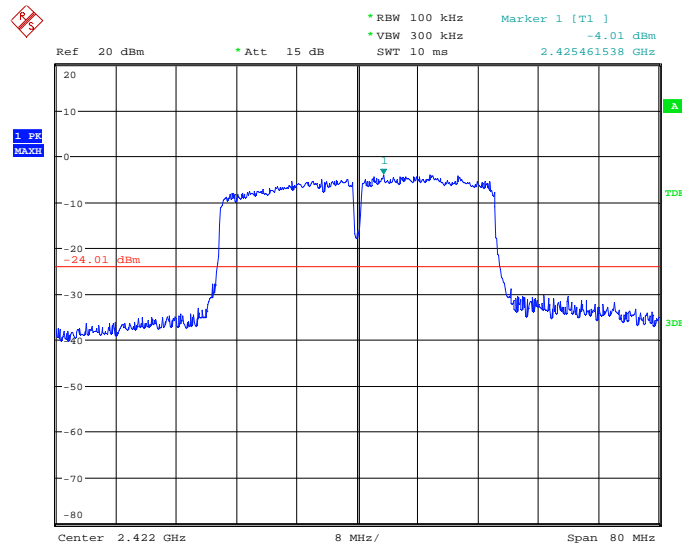
Date: 20.FEB.2013 10:19:33

Fig. 103 Conducted Spurious Emission (802.11n-HT20, Ch11, 15 GHz-20 GHz)



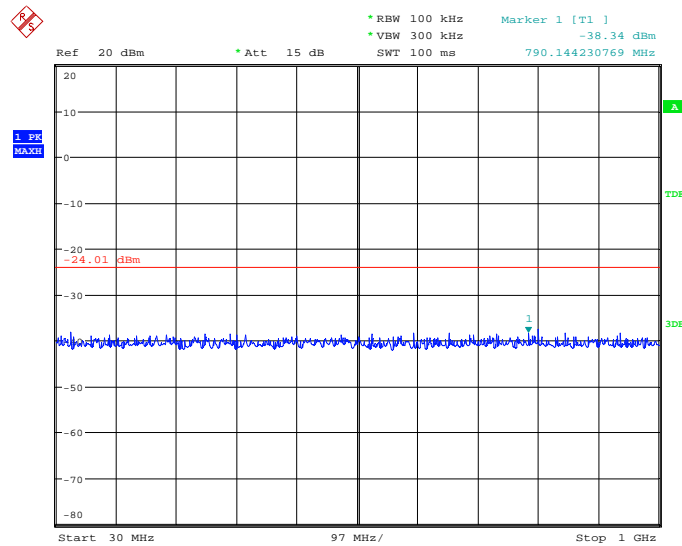
Date: 20.FEB.2013 10:19:39

Fig. 104 Conducted Spurious Emission (802.11n-HT20, Ch11, 20 GHz-26 GHz)



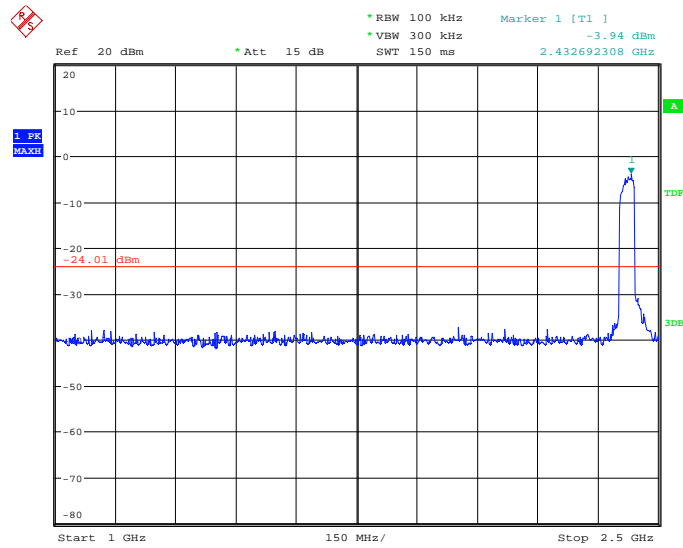
Date: 20.FEB.2013 10:44:57

Fig. 105 Conducted Spurious Emission (802.11n-HT40, Ch3, Center Frequency)



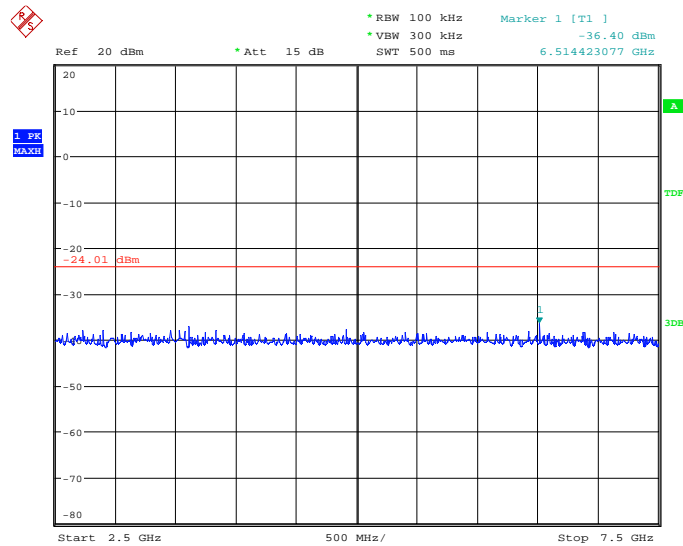
Date: 20.FEB.2013 10:45:00

Fig. 106 Conducted Spurious Emission (802.11n-HT40, Ch3, 30 MHz-1 GHz)



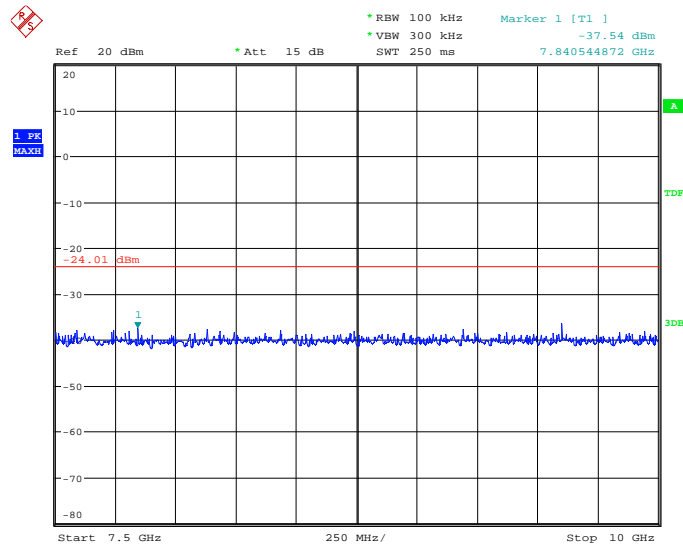
Date: 20.FEB.2013 10:45:06

Fig. 107 Conducted Spurious Emission (802.11n-HT40, Ch3, 1 GHz-2.5 GHz)



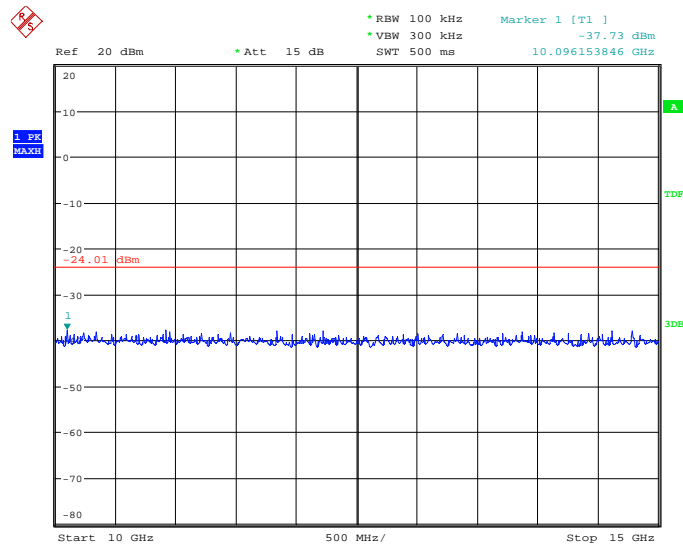
Date: 20.FEB.2013 10:45:12

Fig. 108 Conducted Spurious Emission (802.11n-HT40, Ch3, 2.5 GHz-7.5 GHz)



Date: 20.FEB.2013 10:45:19

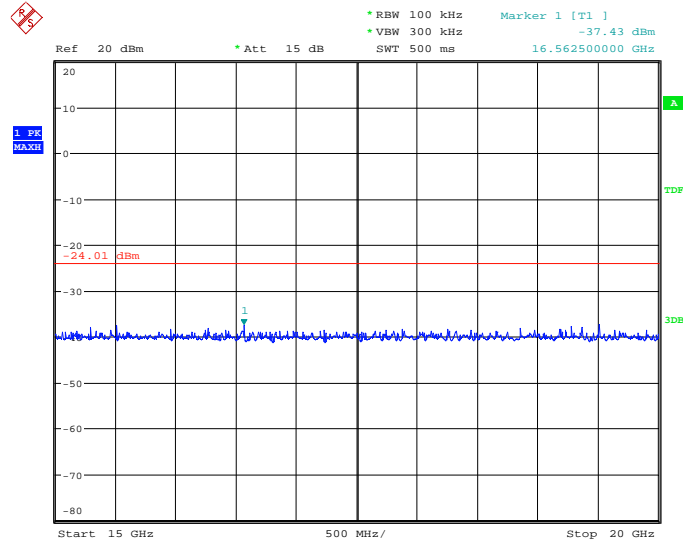
Fig. 109 Conducted Spurious Emission (802.11n-HT40, Ch3, 7.5 GHz-10 GHz)



Date: 20.FEB.2013 10:45:25

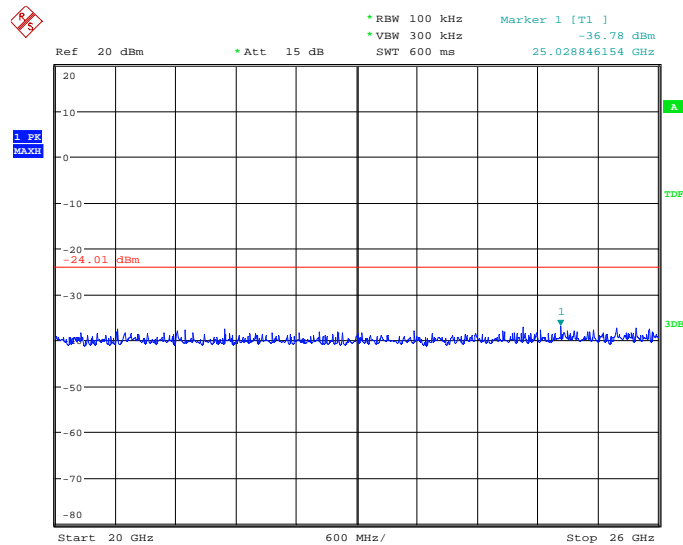
Fig. 110 Conducted Spurious Emission (802.11n-HT40, Ch3, 10 GHz-15 GHz)





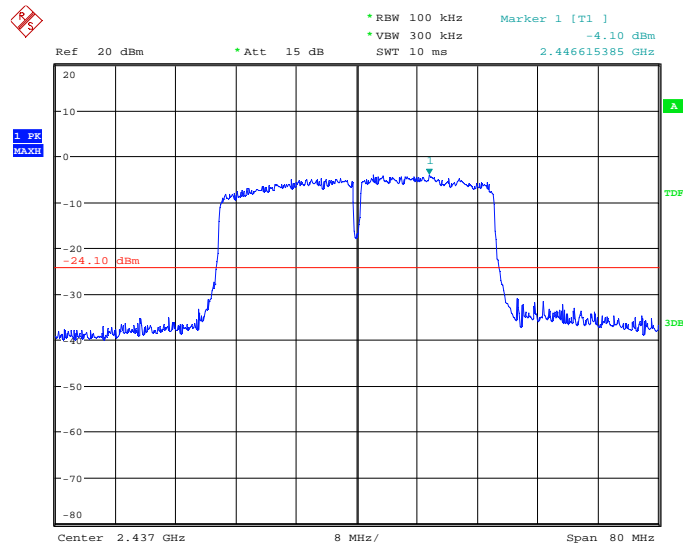
Date: 20.FEB.2013 10:45:34

**Fig. 111 Conducted Spurious Emission (802.11n-HT40, Ch3, 15 GHz-20 GHz)**



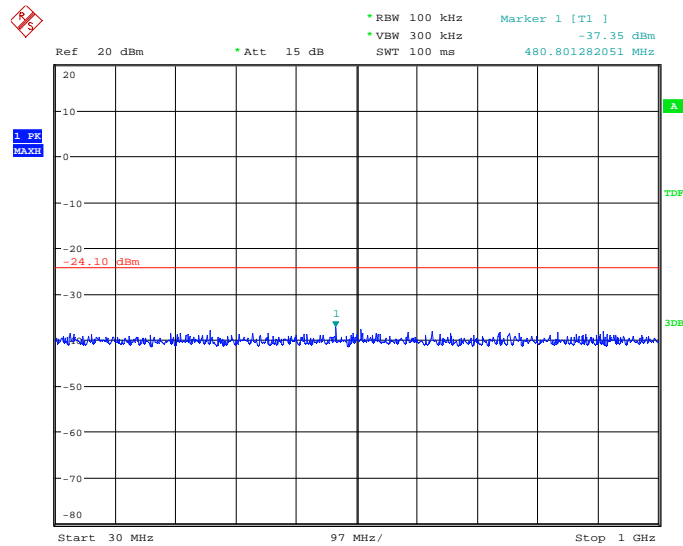
Date: 20.FEB.2013 10:45:40

**Fig. 112 Conducted Spurious Emission (802.11n-HT40, Ch3, 20 GHz-26 GHz)**



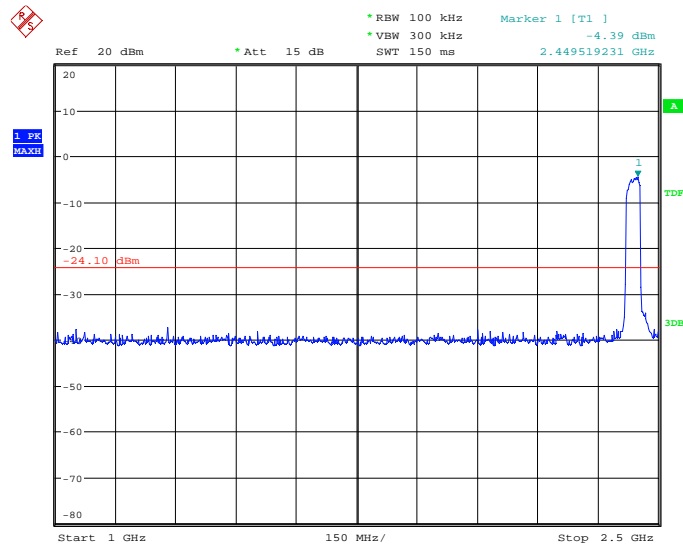
Date: 20.FEB.2013 10:49:27

Fig. 113 Conducted Spurious Emission (802.11n-HT40, Ch6, Center Frequency)



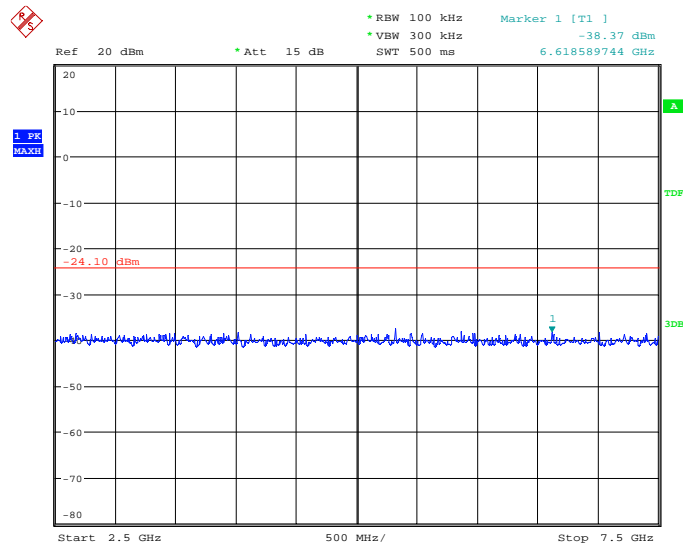
Date: 20.FEB.2013 10:49:33

Fig. 114 Conducted Spurious Emission (802.11n-HT40, Ch6, 30 MHz-1 GHz)



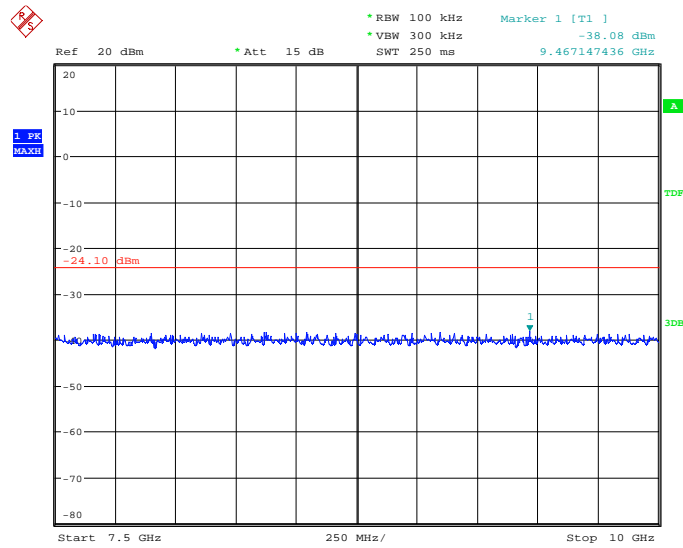
Date: 20.FEB.2013 10:49:40

Fig. 115 Conducted Spurious Emission (802.11n-HT40, Ch6, 1 GHz-2.5 GHz)



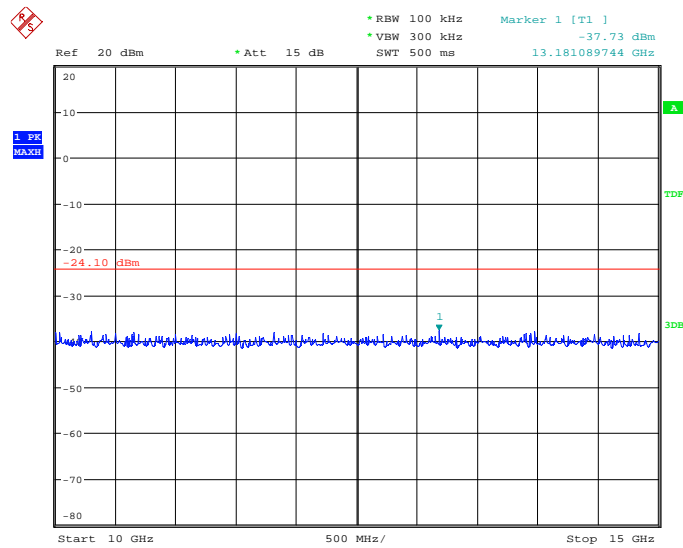
Date: 20.FEB.2013 10:49:46

Fig. 116 Conducted Spurious Emission (802.11n-HT40, Ch6, 2.5 GHz-7.5 GHz)



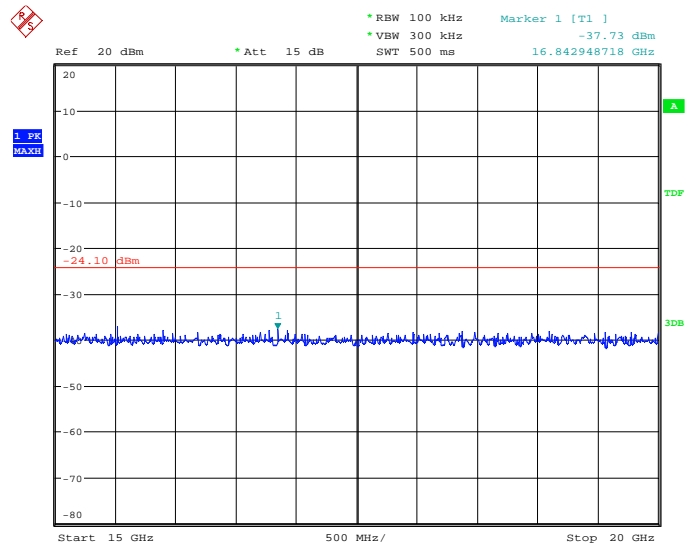
Date: 20.FEB.2013 10:49:52

Fig. 117 Conducted Spurious Emission (802.11n-HT40, Ch6, 7.5 GHz-10 GHz)



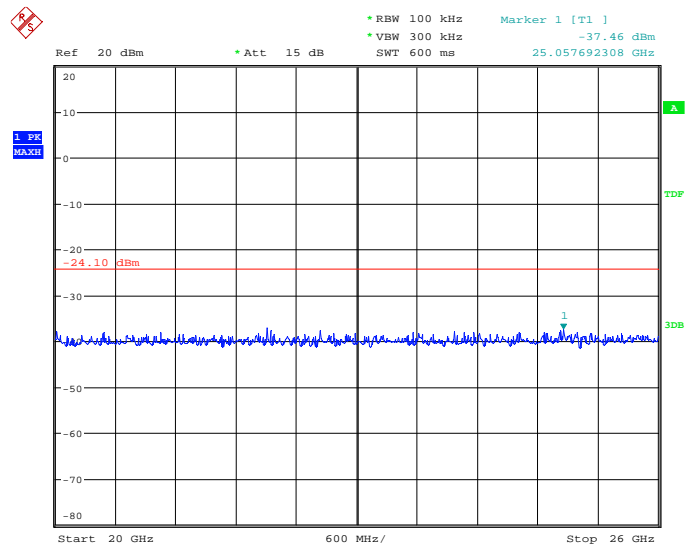
Date: 20.FEB.2013 10:49:59

Fig. 118 Conducted Spurious Emission (802.11n-HT40, Ch6, 10 GHz-15 GHz)



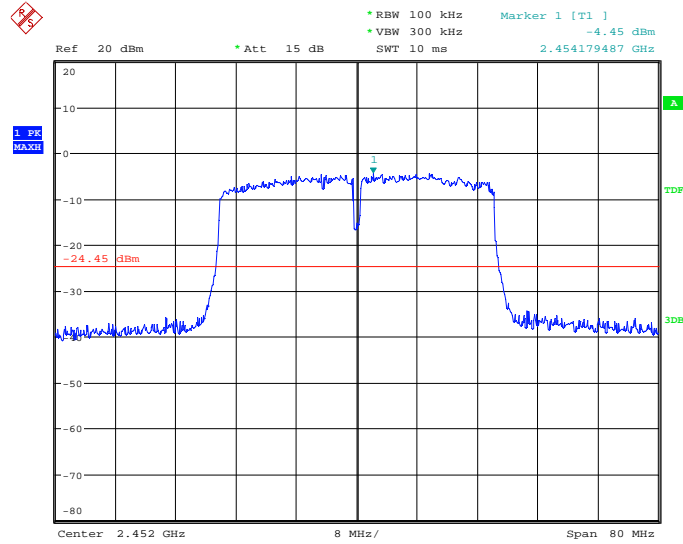
Date: 20.FEB.2013 10:50:05

**Fig. 119 Conducted Spurious Emission (802.11n-HT40, Ch6, 15GHz-20 GHz)**



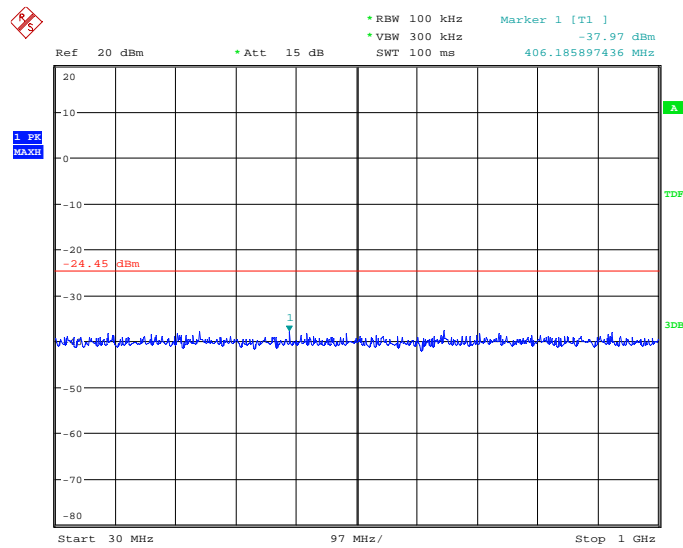
Date: 20.FEB.2013 10:50:12

**Fig. 120 Conducted Spurious Emission (802.11n-HT40, Ch6, 20GHz-26 GHz)**



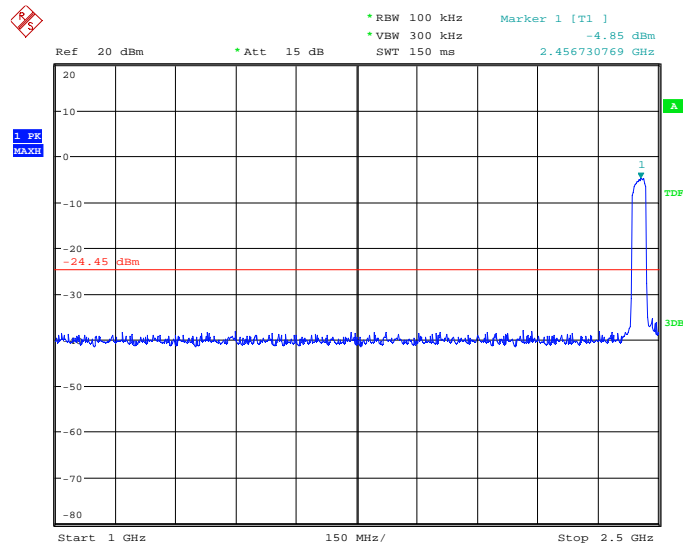
Date: 20.FEB.2013 10:50:45

Fig. 121 Conducted Spurious Emission (802.11n-HT40, Ch9, Center Frequency)



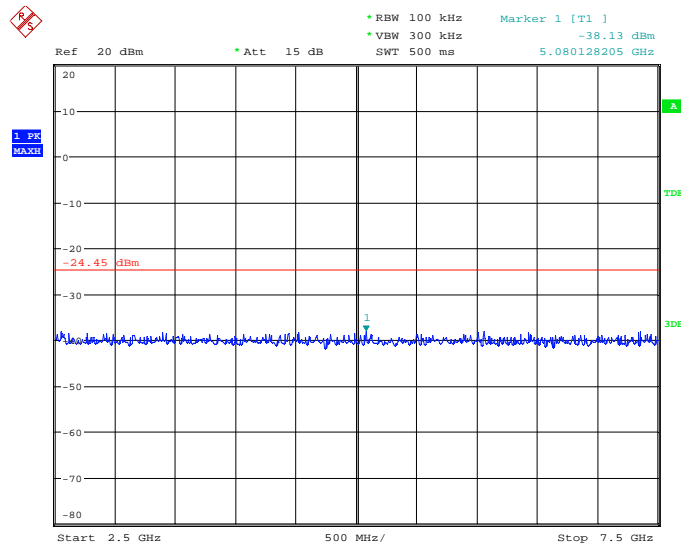
Date: 20.FEB.2013 10:50:51

Fig. 122 Conducted Spurious Emission (802.11n-HT40, Ch9, 30 MHz-1 GHz)



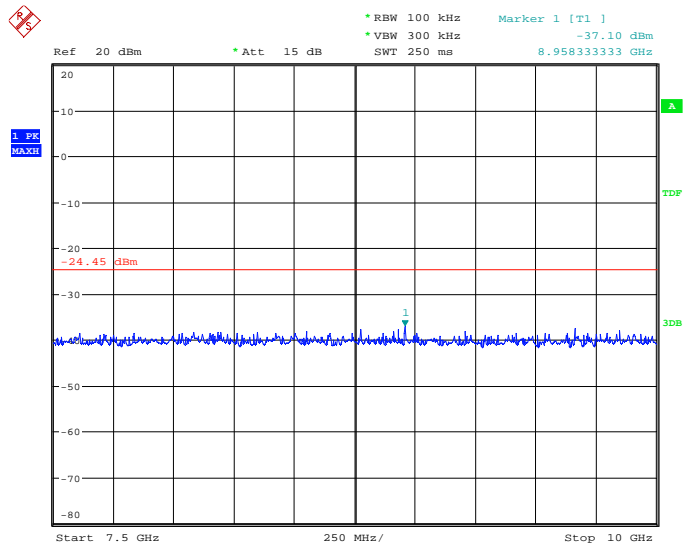
Date: 20.FEB.2013 10:50:57

Fig. 123 Conducted Spurious Emission (802.11n-HT40, Ch9, 1GHz-2.5 GHz)



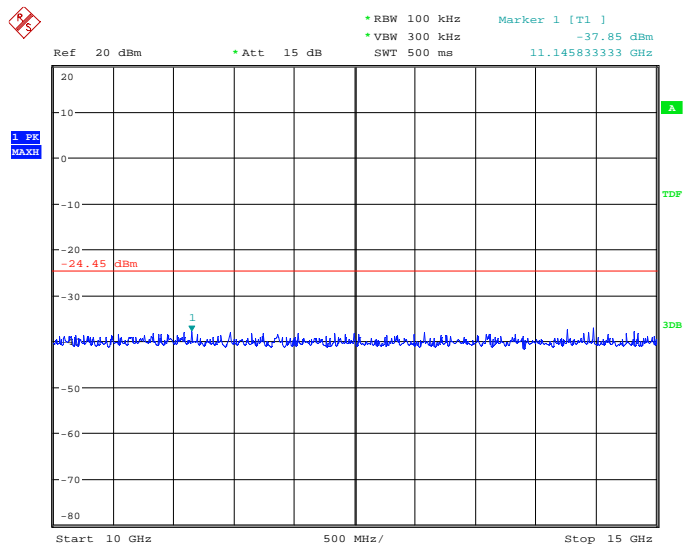
Date: 20.FEB.2013 10:51:04

Fig. 124 Conducted Spurious Emission (802.11n-HT40, Ch9, 2.5GHz-7.5 GHz)



Date: 20.FEB.2013 10:51:10

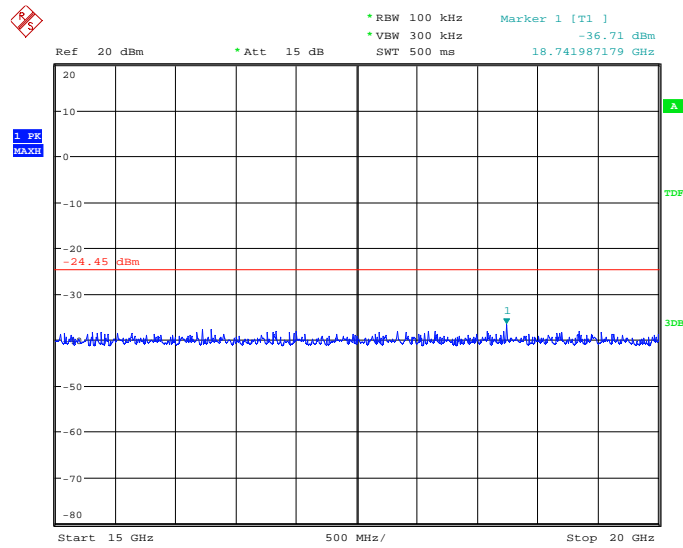
Fig. 125 Conducted Spurious Emission (802.11n-HT40, Ch9, 7.5GHz-10 GHz)



Date: 20.FEB.2013 10:51:17

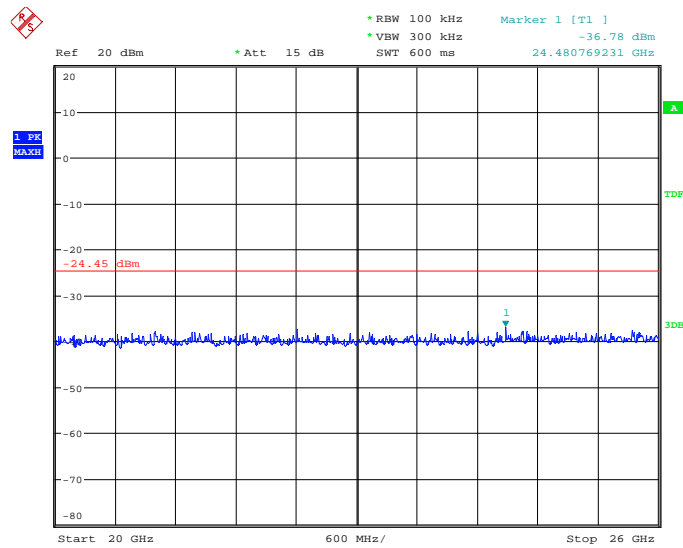
Fig. 126 Conducted Spurious Emission (802.11n-HT40, Ch9, 10GHz-15 GHz)





Date: 20.FEB.2013 10:51:23

**Fig. 127 Conducted Spurious Emission (802.11n-HT40, Ch9, 15GHz-20 GHz)**



Date: 20.FEB.2013 10:51:30

**Fig. 128 Conducted Spurious Emission (802.11n-HT40, Ch9, 20GHz-28 GHz)**

**A.6.2 Transmitter Spurious Emission - Radiated**

**Measurement Limit:**

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

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

The measurement is made according to ANSI C63.10.

**Limit in restricted band:**

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

**Test Condition**

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

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/1MHz	15
4000-18000	1MHz/1MHz	40
18000-26500	1MHz/1MHz	20

**Measurement Results:**

**802.11b/g mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power	2.38GHz ~2.45GHz	Fig.129	P
	1	30 MHz ~1 GHz	Fig.130	P
		1 GHz ~ 3 GHz	Fig.131	P
		3 GHz ~ 18 GHz	Fig.132	P
	6	30 MHz ~1 GHz	Fig.133	P
		1 GHz ~ 3 GHz	Fig.134	P
		3 GHz ~ 18 GHz	Fig.135	P
	Power	2.45GHz ~2.5GHz	Fig.136	P
	11	30 MHz ~1 GHz	Fig.137	P
		1 GHz ~ 3 GHz	Fig.138	P
		3 GHz ~ 18 GHz	Fig.139	P
	802.11g	Power	2.38GHz ~2.43GHz	Fig.140
1		30 MHz ~1 GHz	Fig.141	P
		1 GHz ~ 3 GHz	Fig.142	P
		3 GHz ~ 18 GHz	Fig.143	P
6		30 MHz ~1 GHz	Fig.144	P
		1 GHz ~ 3 GHz	Fig.145	P
		3 GHz ~ 18 GHz	Fig.146	P
Power		2.45GHz ~2.5GHz	Fig.147	P
11		30 MHz ~1 GHz	Fig.148	P
		1 GHz ~ 3 GHz	Fig.149	P
		3 GHz ~ 18 GHz	Fig.150	P

**802.11n mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (20MHz)	Power	2.38GHz ~2.45GHz	Fig.151	P
	1	30 MHz ~1 GHz	Fig.152	P
		1 GHz ~ 3 GHz	Fig.153	P
		3 GHz ~ 18 GHz	Fig.154	P
	6	30 MHz ~1 GHz	Fig.155	P
		1 GHz ~ 3 GHz	Fig.156	P
		3 GHz ~ 18 GHz	Fig.157	P
	Power	2.45GHz ~2.5GHz	Fig.158	P
	11	30 MHz ~1 GHz	Fig.159	P
		1 GHz ~ 3 GHz	Fig.160	P
		3 GHz ~ 18 GHz	Fig.161	P
	802.11n (40MHz)	Power	2.38GHz ~2.45GHz	Fig.162
3		30 MHz ~1 GHz	Fig.163	P
		1 GHz ~ 3 GHz	Fig.164	P
		3 GHz ~ 18 GHz	Fig.165	P

	6	30 MHz ~1 GHz	Fig.166	P
		1 GHz ~ 3 GHz	Fig.167	P
		3 GHz ~ 18 GHz	Fig.168	P
	Power	2.45GHz ~2.5GHz	Fig.169	P
	9	30 MHz ~1 GHz	Fig.170	P
		1 GHz ~ 3 GHz	Fig.171	P
3 GHz ~ 18 GHz		Fig.172	P	
/	All channels	18 GHz~ 26.5 GHz	Fig.173	P

**Conclusion: PASS**

**Note:**

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

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

The measurement results are obtained as described below:

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

**802.11b**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
18000.000	43.4	-24.6	42.7	25.304	H
17999.250	43.6	-24.7	42.3	26.054	H
17998.500	43.2	-24.7	42.3	25.654	V
17997.750	43.4	-24.7	42.3	25.854	V
17997.000	43.3	-24.7	42.3	25.754	V
17996.250	43.4	-24.7	42.3	25.854	V

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
18000.000	43.2	-24.6	42.7	25.104	H
17999.250	43.4	-24.7	42.3	25.854	H
17998.500	43.3	-24.7	42.3	25.754	V
17997.750	43.3	-24.7	42.3	25.754	V
17997.000	43.4	-24.7	42.3	25.854	H
17996.250	43.5	-24.7	42.3	25.954	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	P <sub>Mea</sub> (dBuV/m)	Polarization
18000.000	43.2	-24.6	42.7	25.104	H
17999.250	43.6	-24.7	42.3	26.054	H
17998.500	43.4	-24.7	42.3	25.854	H
17997.750	43.3	-24.7	42.3	25.754	V
17997.000	42.9	-24.7	42.3	25.354	V
17996.250	43.3	-24.7	42.3	25.754	H

**802.11g**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.1	-24.6	42.7	25.004	H
17999.250	43.4	-24.7	42.3	25.854	H
17998.500	43.4	-24.7	42.3	25.854	H
17997.750	43.1	-24.7	42.3	25.554	V
17997.000	43.0	-24.7	42.3	25.454	V
17996.250	43.4	-24.7	42.3	25.854	H

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.2	-24.6	42.7	25.104	V
17999.250	43.4	-24.7	42.3	25.854	V
17998.500	43.4	-24.7	42.3	25.854	H
17997.750	43.4	-24.7	42.3	25.854	H
17997.000	43.4	-24.7	42.3	25.854	H
17996.250	43.5	-24.7	42.3	25.954	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.4	-24.6	42.7	25.304	H
17999.250	43.3	-24.7	42.3	25.754	V
17998.500	43.5	-24.7	42.3	25.954	H
17997.750	43.6	-24.7	42.3	26.054	V
17997.000	43.0	-24.7	42.3	25.454	V
17996.250	43.1	-24.7	42.3	25.554	H

**802.11n-HT20**

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.4	-24.6	42.7	25.304	V
17999.250	43.4	-24.7	42.3	25.854	V
17998.500	43.2	-24.7	42.3	25.654	H
17997.750	43.4	-24.7	42.3	25.854	V
17997.000	43.4	-24.7	42.3	25.854	V
17996.250	43.2	-24.7	42.3	25.654	V

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.4	-24.6	42.7	25.304	V
17999.250	43.4	-24.7	42.3	25.854	V
17998.500	43.4	-24.7	42.3	25.854	H
17997.750	43.4	-24.7	42.3	25.854	V
17997.000	43.4	-24.7	42.3	25.854	H
17996.250	43.3	-24.7	42.3	25.754	H

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.3	-24.6	42.7	25.204	V
17999.250	43.2	-24.7	42.3	25.654	V
17998.500	43.1	-24.7	42.3	25.554	V
17997.750	43.2	-24.7	42.3	25.654	V
17997.000	43.3	-24.7	42.3	25.754	V
17996.250	43.1	-24.7	42.3	25.554	H

**802.11n-HT40**

Ch3

Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.2	-24.6	42.7	25.104	H
17999.250	43.1	-24.7	42.3	25.554	V
17998.500	43.3	-24.7	42.3	25.754	V
17997.750	43.1	-24.7	42.3	25.554	H
17997.000	43.5	-24.7	42.3	25.954	V
17996.250	43.6	-24.7	42.3	26.054	H

Ch6

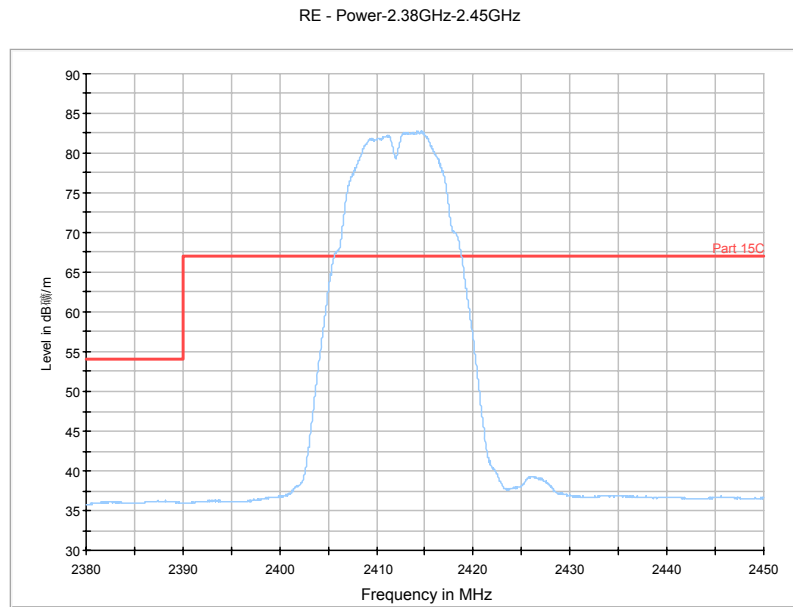
Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.2	-24.6	42.7	25.104	V
17999.250	43.4	-24.7	42.3	25.854	V
17998.500	43.4	-24.7	42.3	25.854	V
17997.750	43.4	-24.7	42.3	25.854	V
17997.000	43.6	-24.7	42.3	26.054	H
17996.250	43.4	-24.7	42.3	25.854	V

Ch9

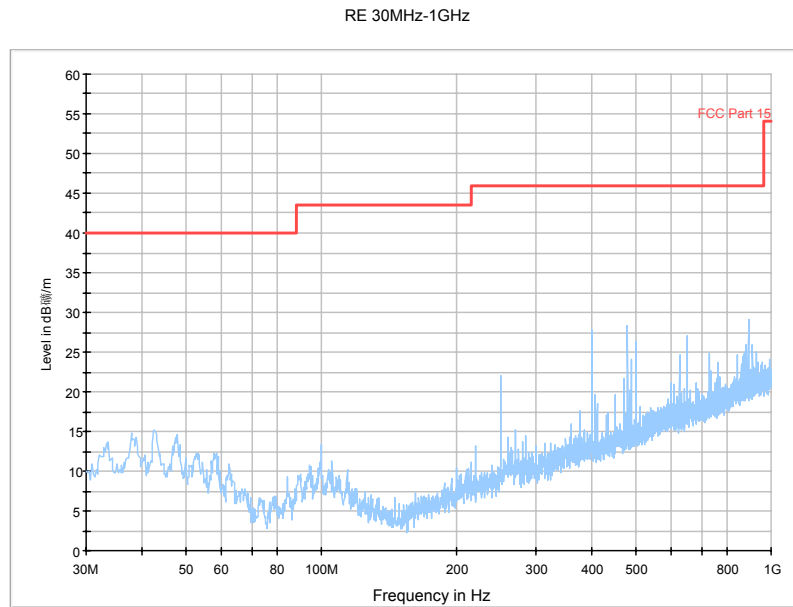
Frequency(MHz)	Result (dBuV/m)	Cable Loss	Antenna Factor	PMea (dBuV/m)	Polarization
18000.000	43.5	-24.6	42.7	25.404	H
17999.250	43.3	-24.7	42.3	25.754	H
17998.500	43.2	-24.7	42.3	25.654	H
17997.750	43.0	-24.7	42.3	25.454	V
17997.000	43.5	-24.7	42.3	25.954	H
17996.250	43.2	-24.7	42.3	25.654	V

**Test graphs as below:**

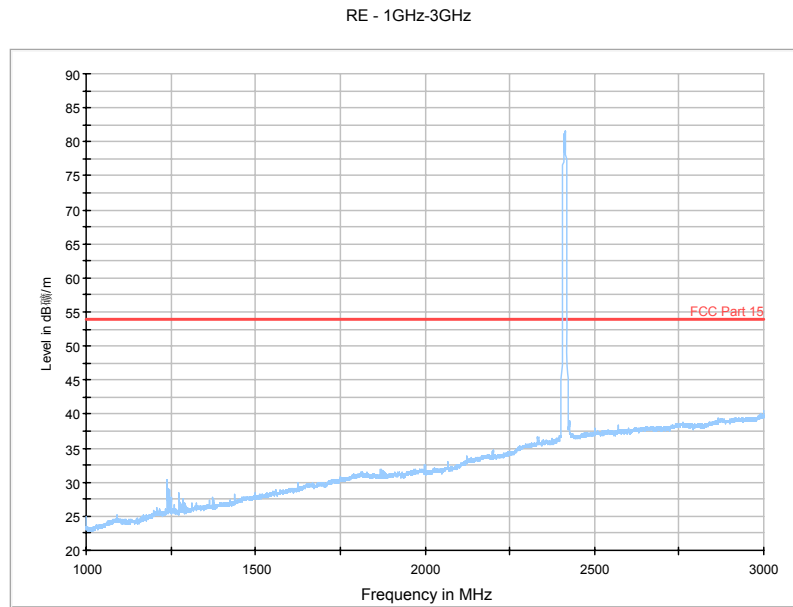




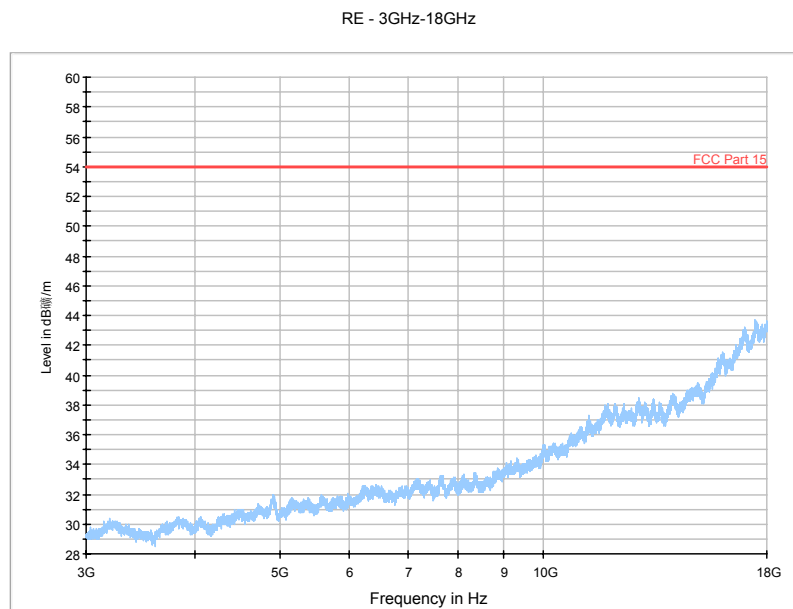
**Fig. 129 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz - 245GHz**



**Fig. 130 Radiated Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)**



**Fig. 131 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)**



**Fig. 132 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)**

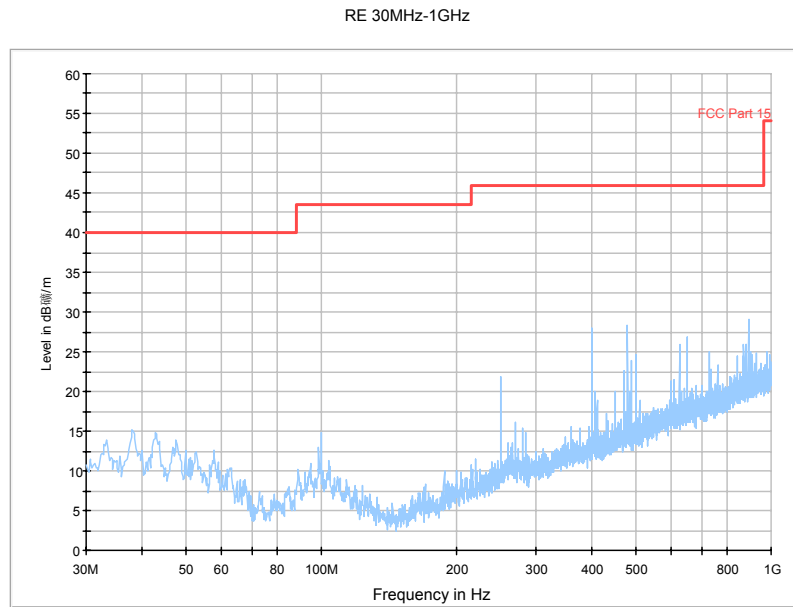


Fig. 133 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

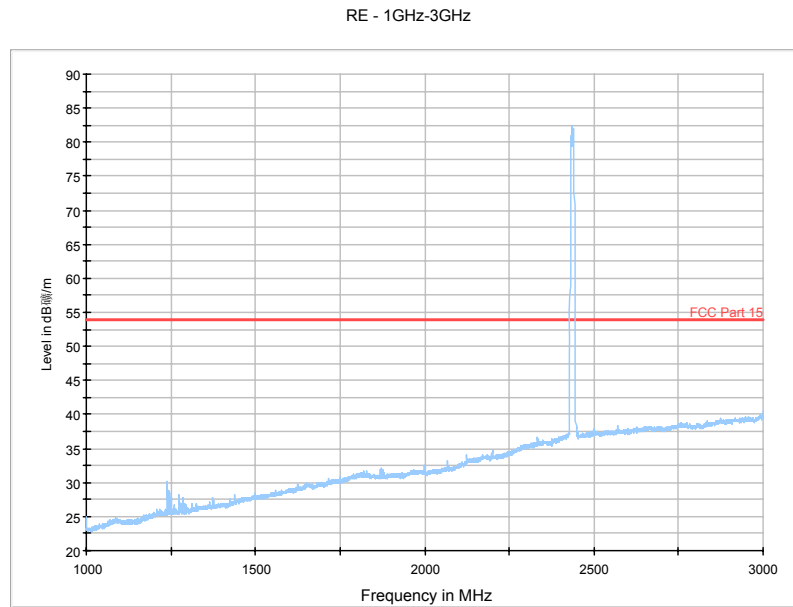


Fig. 134 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)

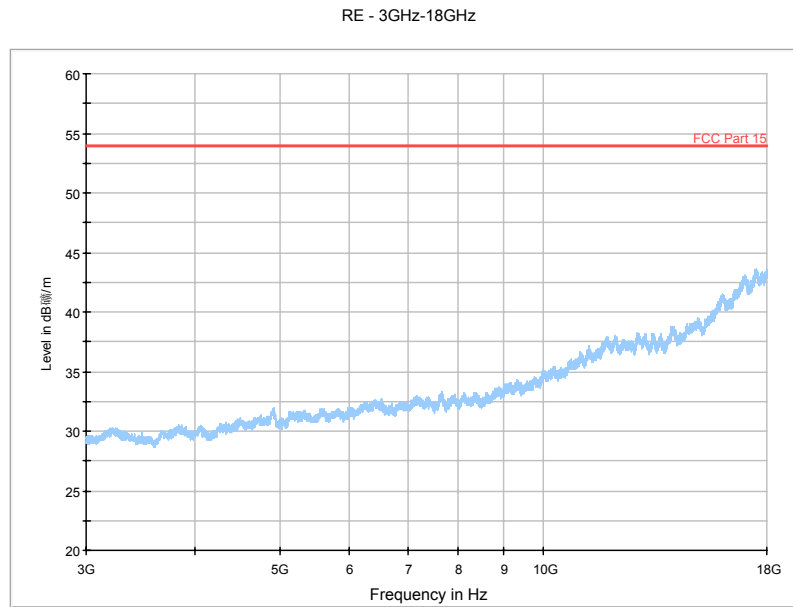


Fig. 135 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

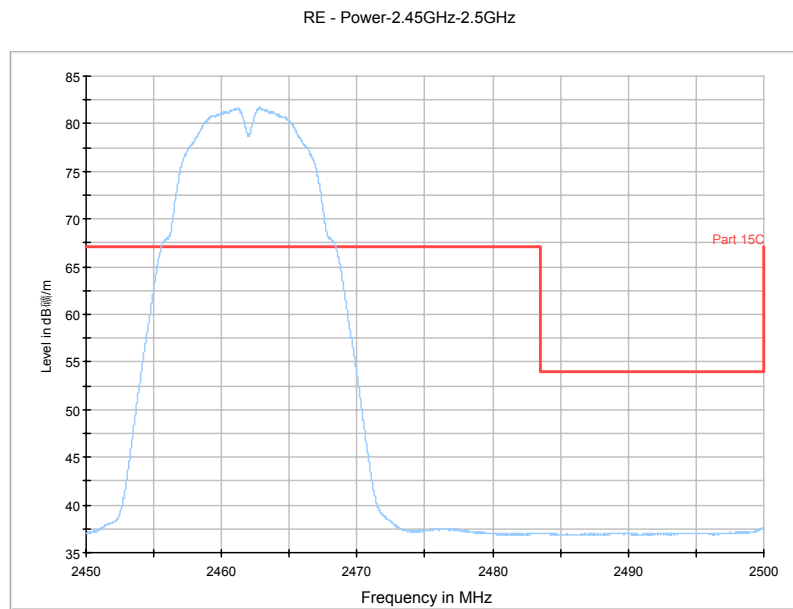
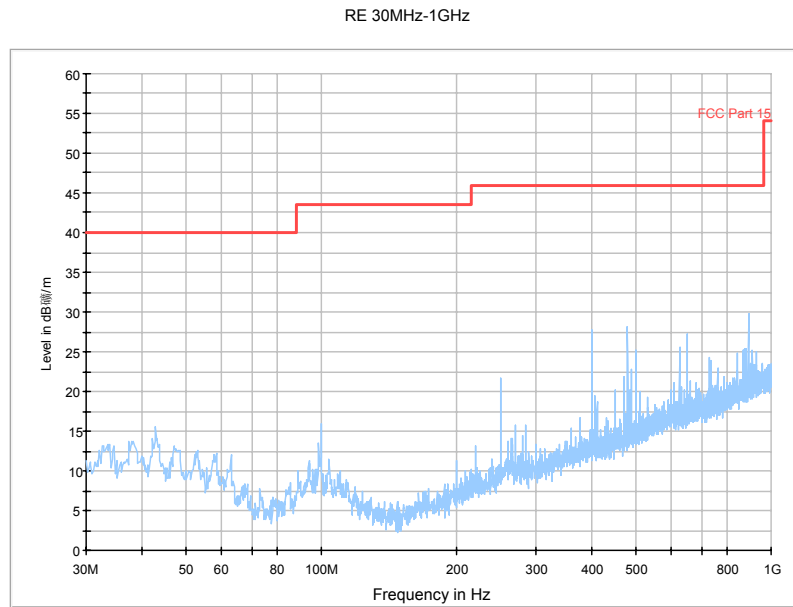
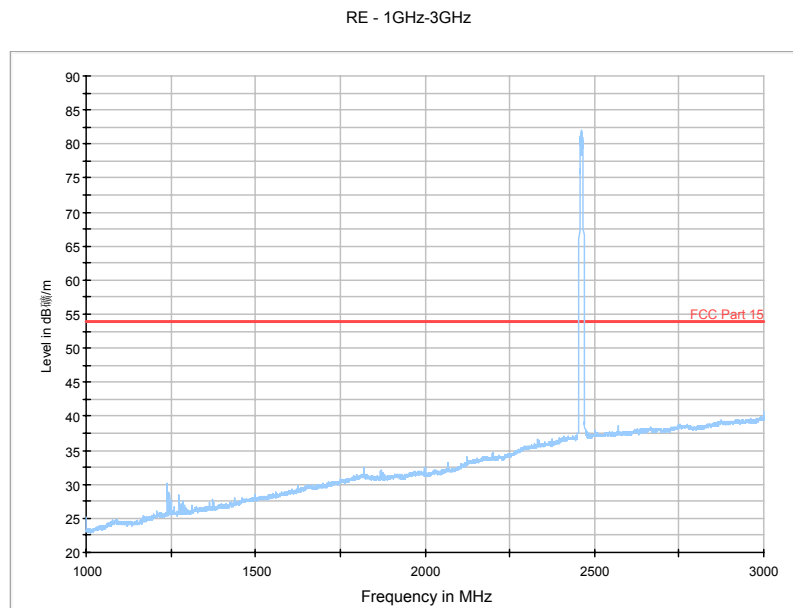


Fig. 136 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz



**Fig. 137 Radiated Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)**



**Fig. 138 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)**

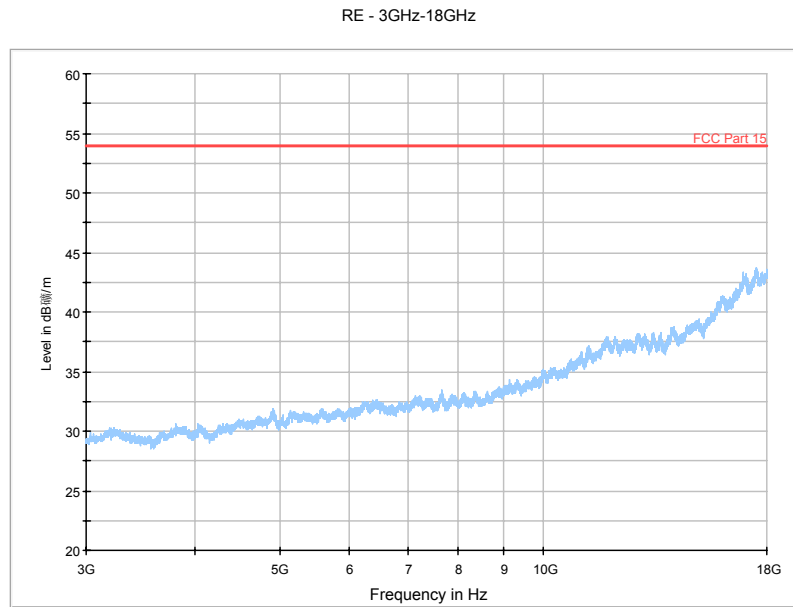


Fig. 139 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

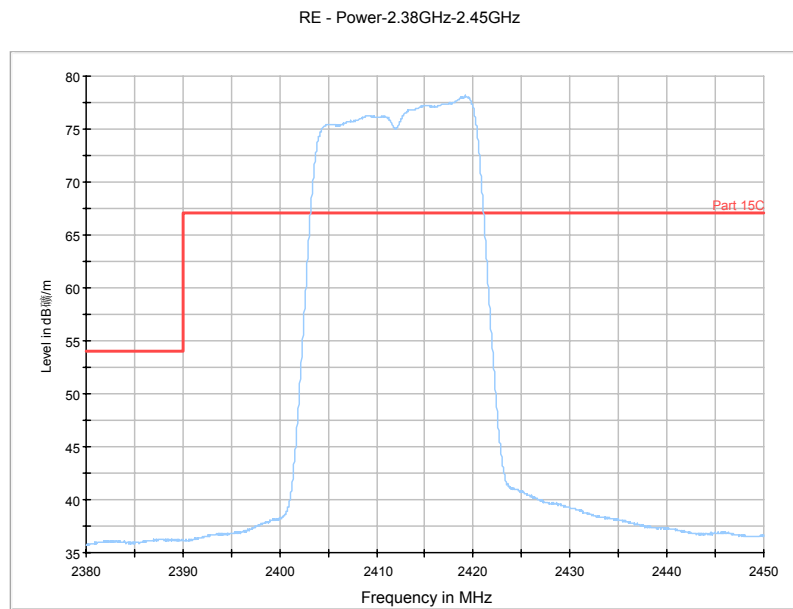
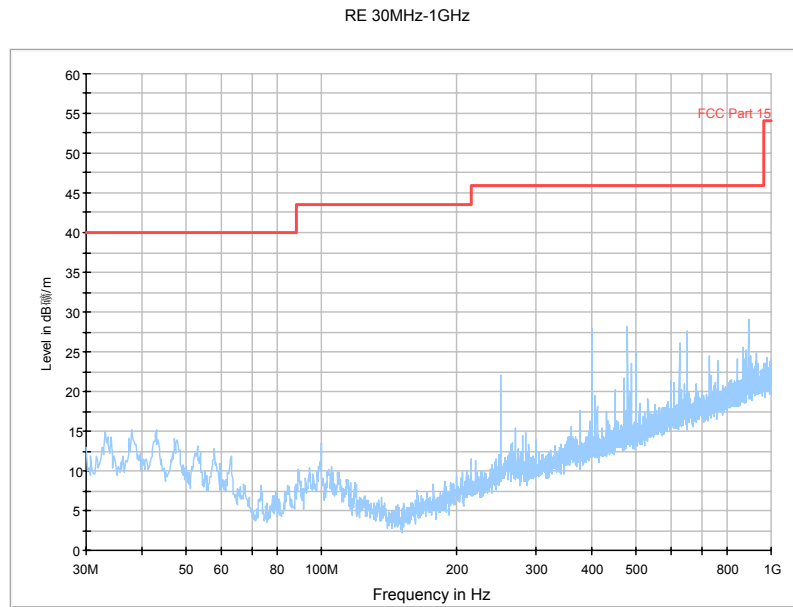
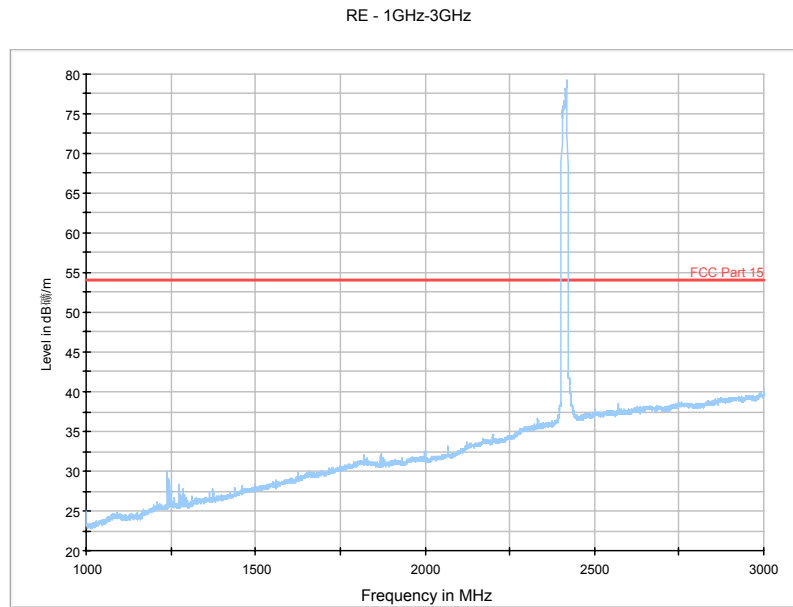


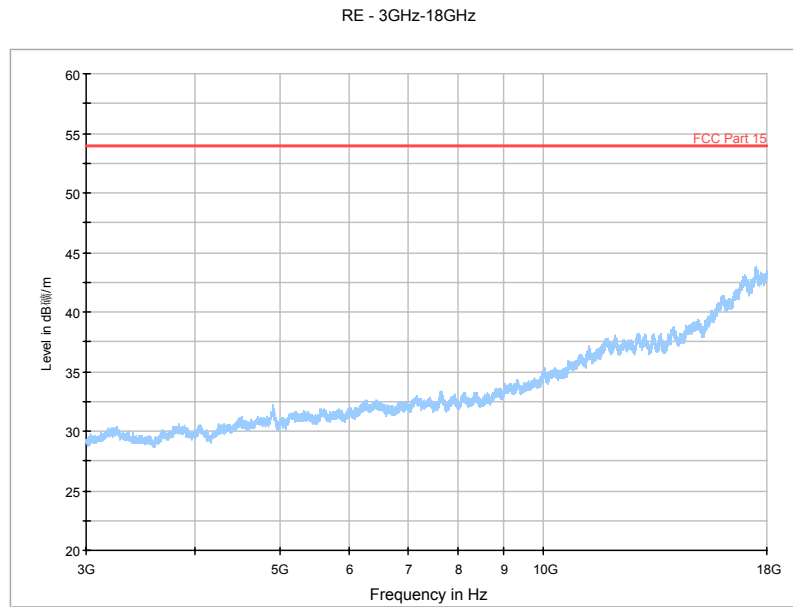
Fig. 140 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz



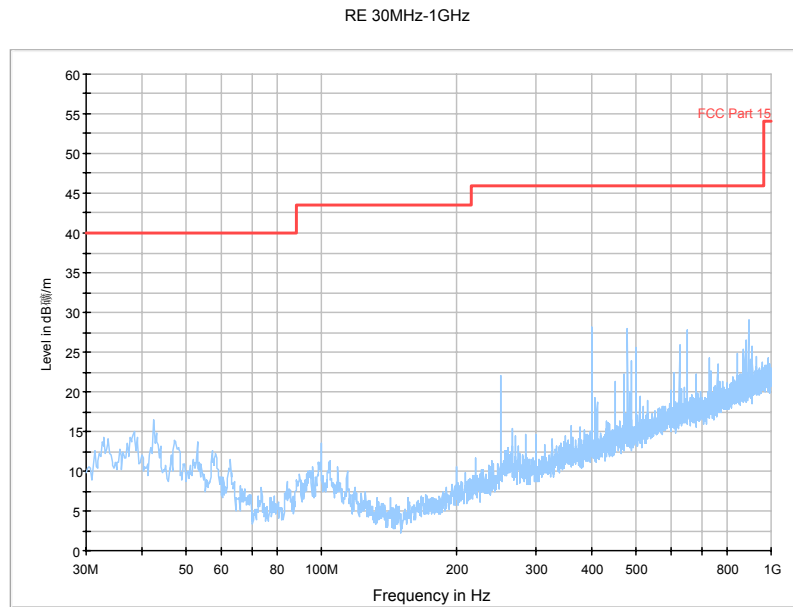
**Fig. 141 Radiated Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)**



**Fig. 142 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)**



**Fig. 143 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)**



**Fig. 144 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)**



RE - 1GHz-3GHz

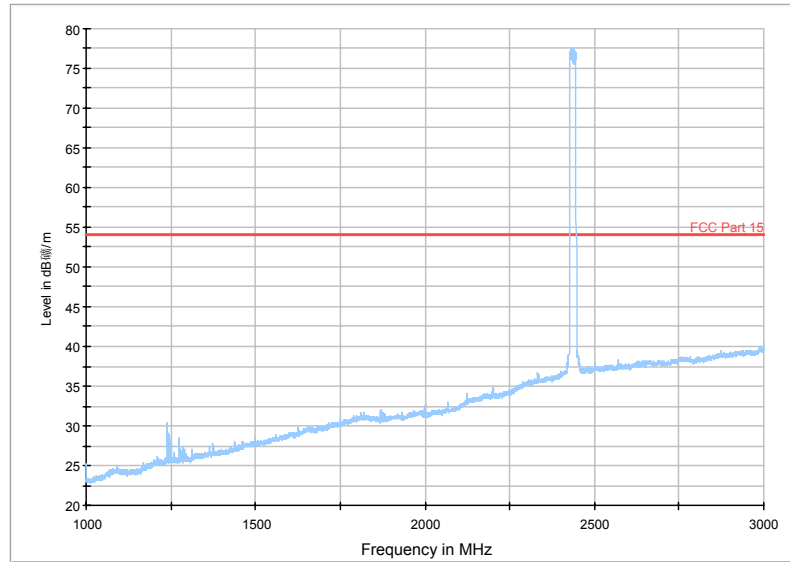


Fig. 145 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)

RE - 3GHz-18GHz

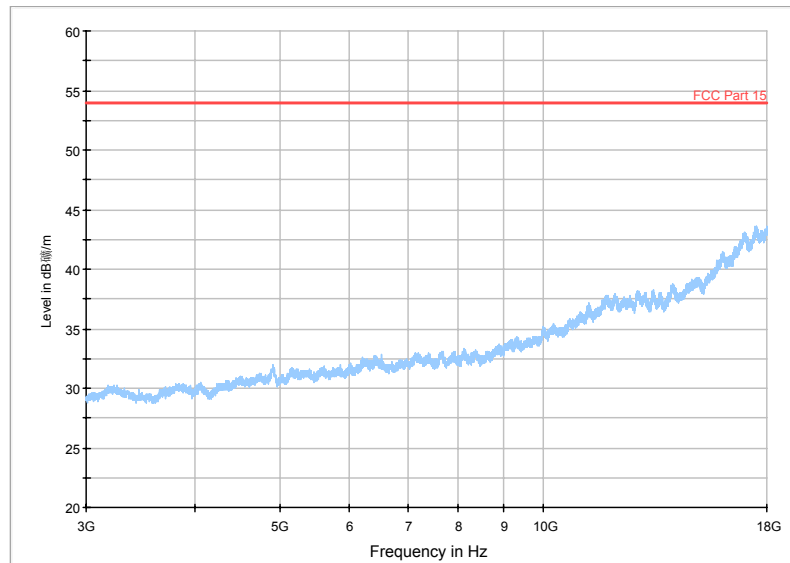
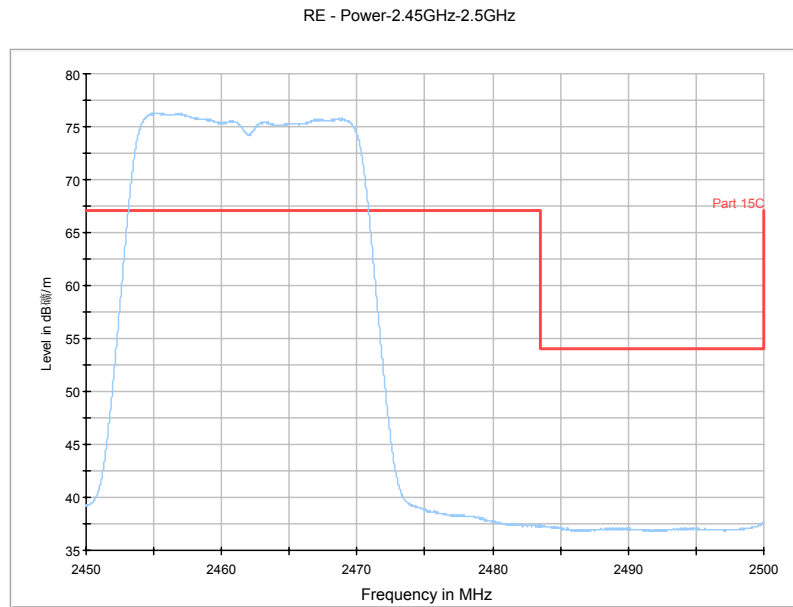
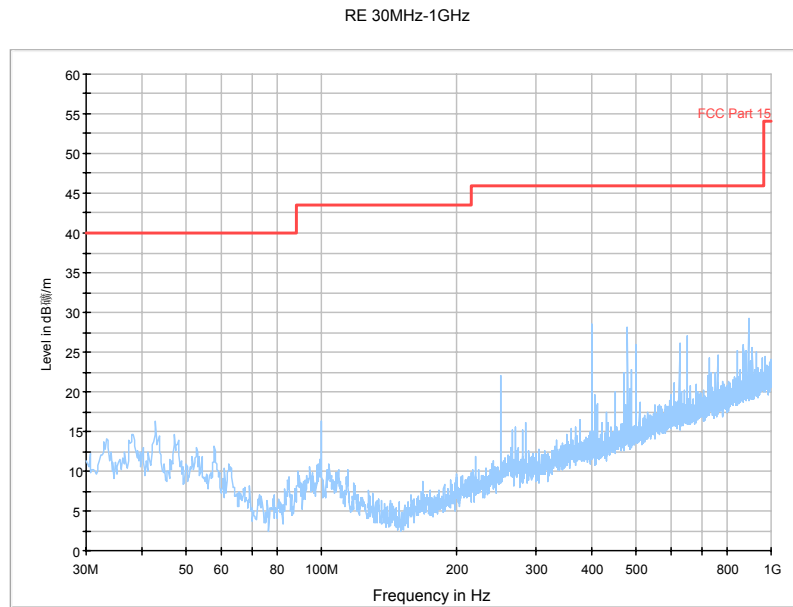


Fig. 146 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)



**Fig. 147 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz**



**Fig. 148 Radiated Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)**

RE - 1GHz-3GHz

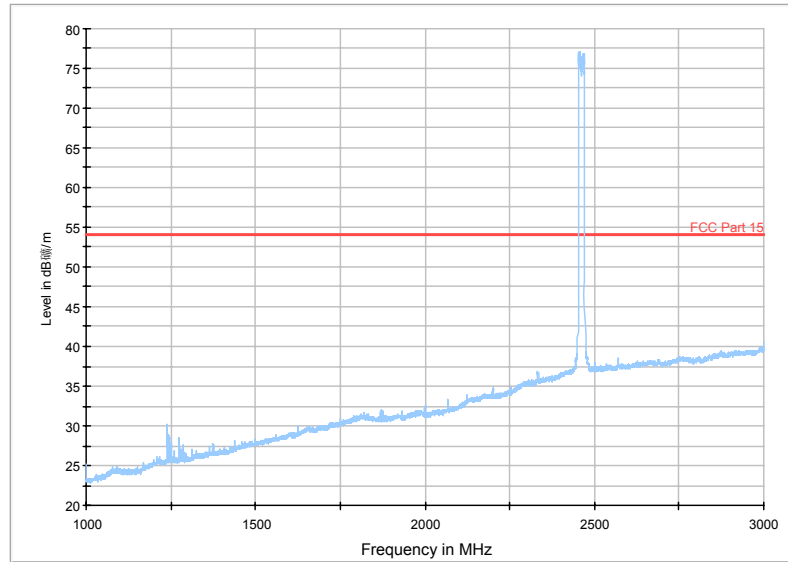


Fig. 149 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)

RE - 3GHz-18GHz

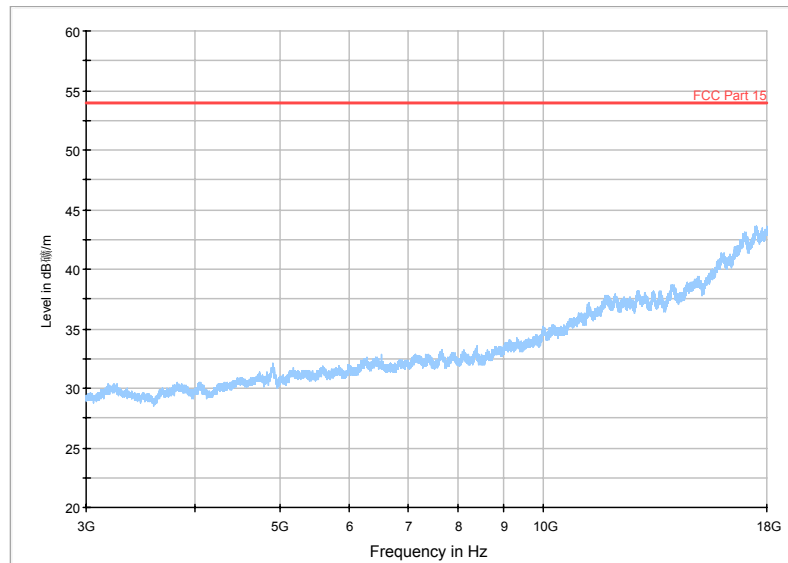
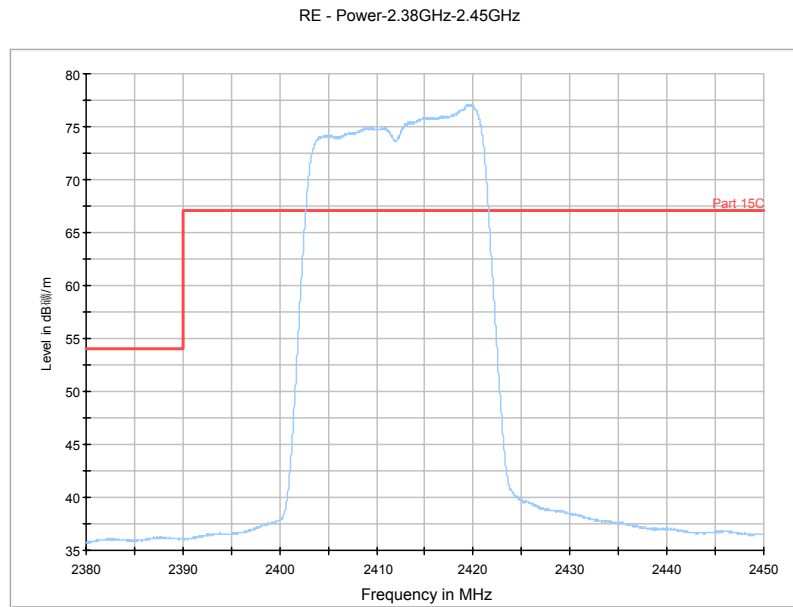
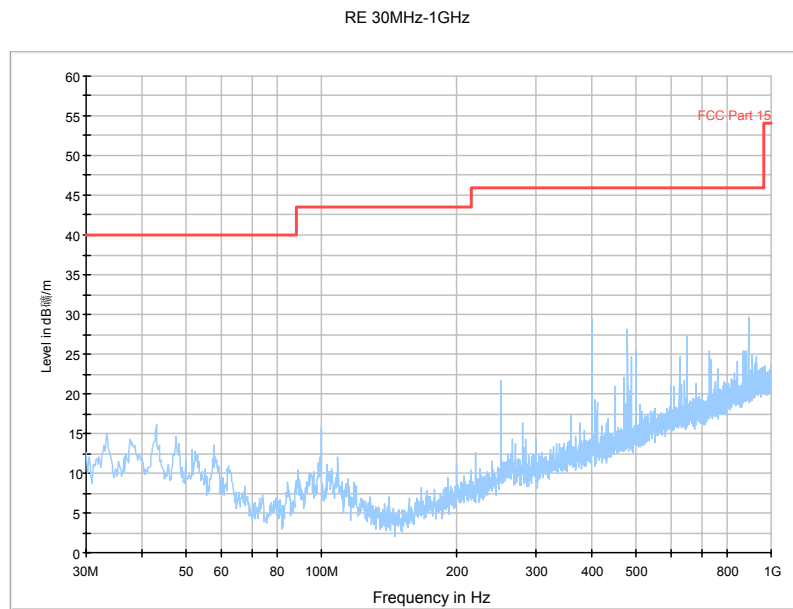


Fig. 150 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)



**Fig. 151 Radiated Spurious Emission (Power): 802.11n-20MHz, ch1, 2.38 GHz - 2.45GHz**



**Fig. 152 Radiated Spurious Emission (802.11n-20MHz, Ch1, 30 MHz-1 GHz)**

RE - 1GHz-3GHz

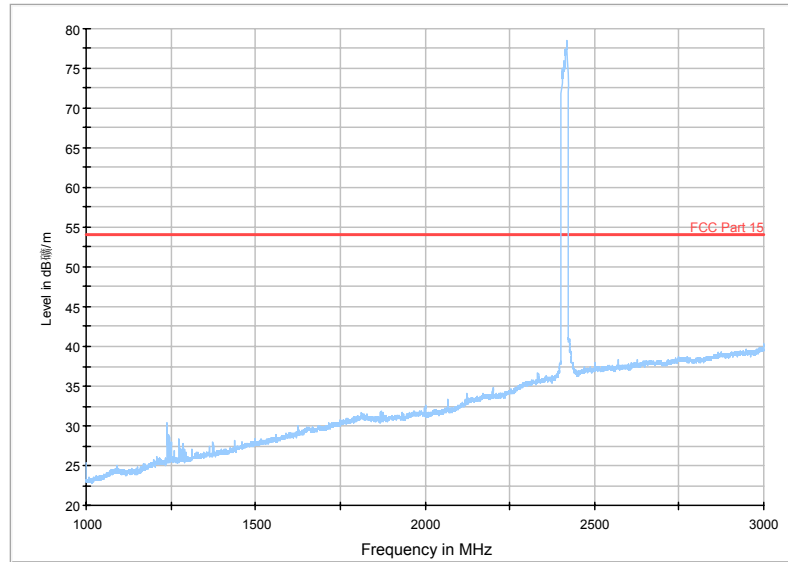


Fig. 153 Radiated Spurious Emission (802.11n-20MHz, Ch1, 1 GHz-3 GHz)

RE - 3GHz-18GHz

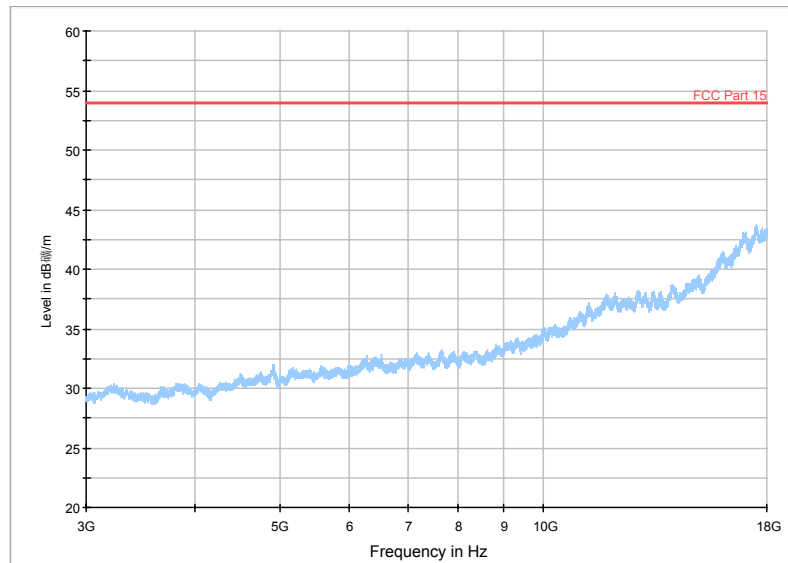
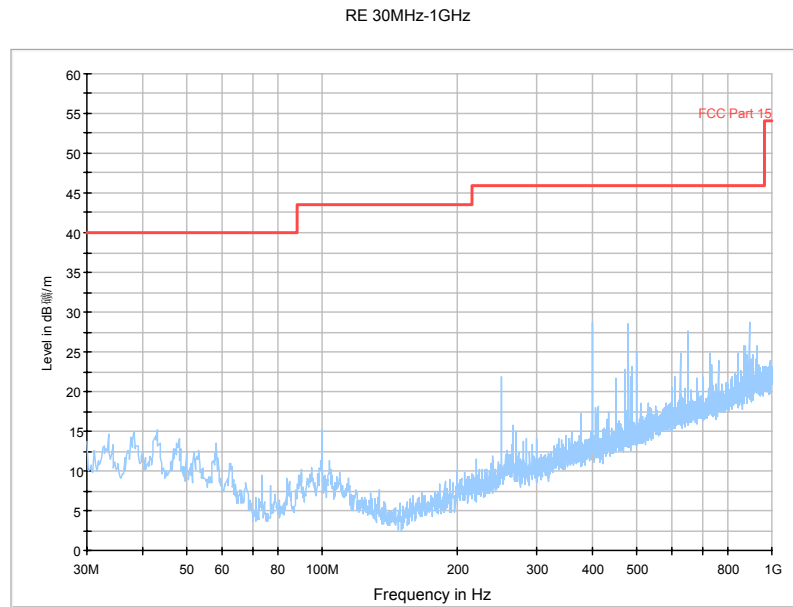
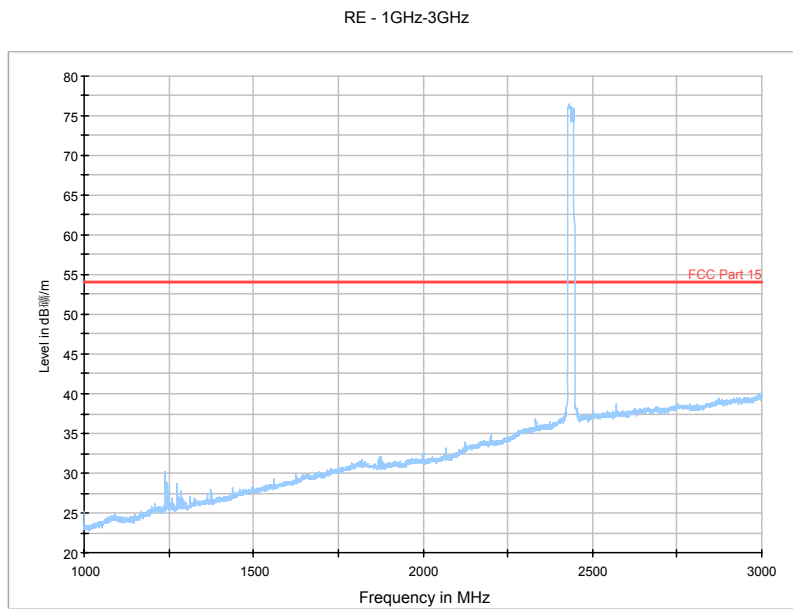


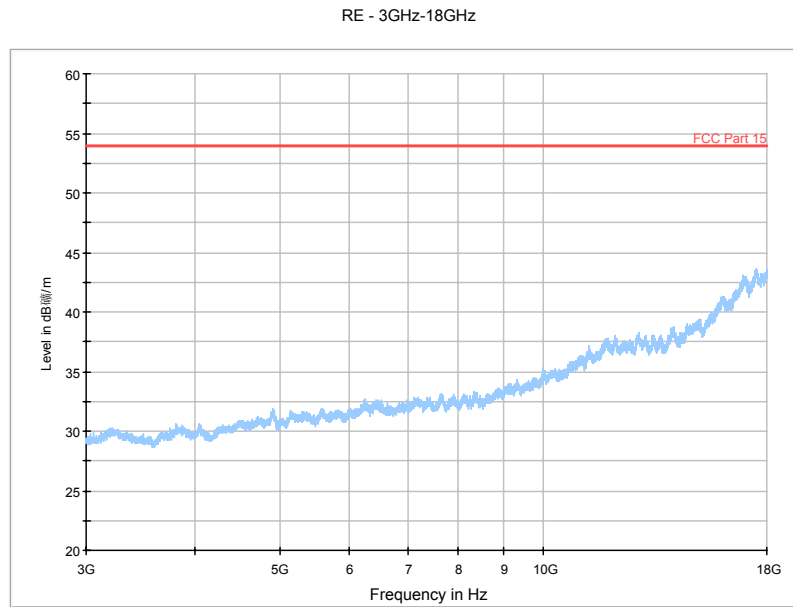
Fig. 154 Radiated Spurious Emission (802.11n-20MHz, Ch1, 3 GHz-18 GHz)



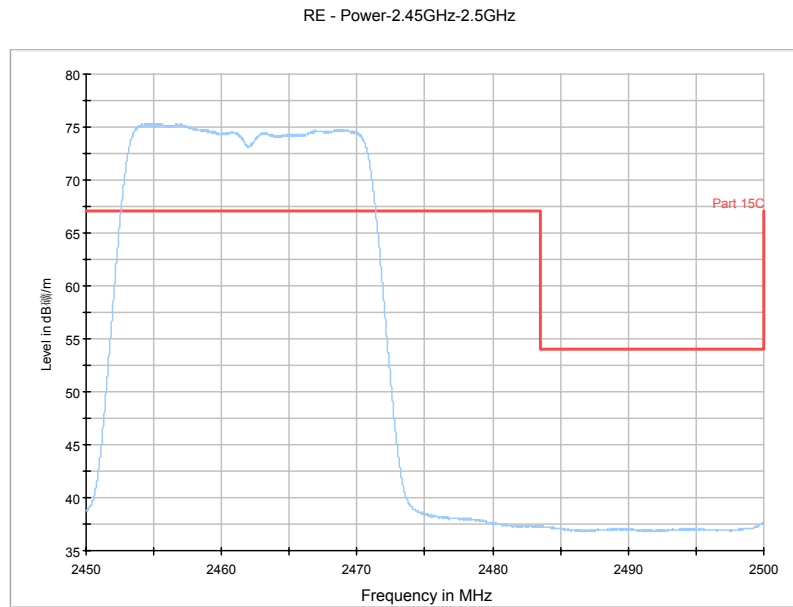
**Fig. 155 Radiated Spurious Emission (802.11n-20MHz, Ch6, 30 MHz-1 GHz)**



**Fig. 156 Radiated Spurious Emission (802.11n-20MHz, Ch6, 1 GHz-3 GHz)**



**Fig. 157 Radiated Spurious Emission (802.11n-20MHz, Ch6, 3 GHz-18 GHz)**



**Fig. 158 Radiated Spurious Emission (Power): 802.11n-20MHz, ch11, 2.45 GHz - 2.50GHz**

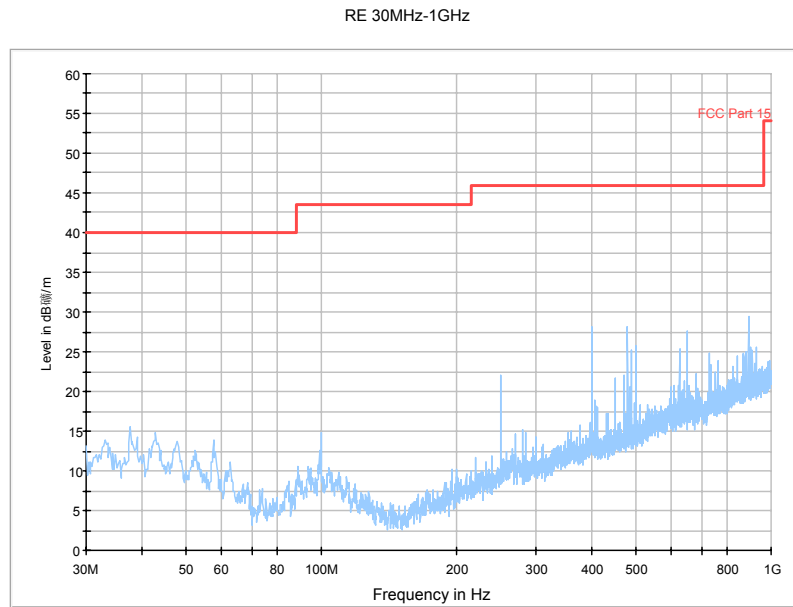


Fig. 159 Radiated Spurious Emission (802.11n-20MHz, Ch11, 30 MHz-1 GHz)

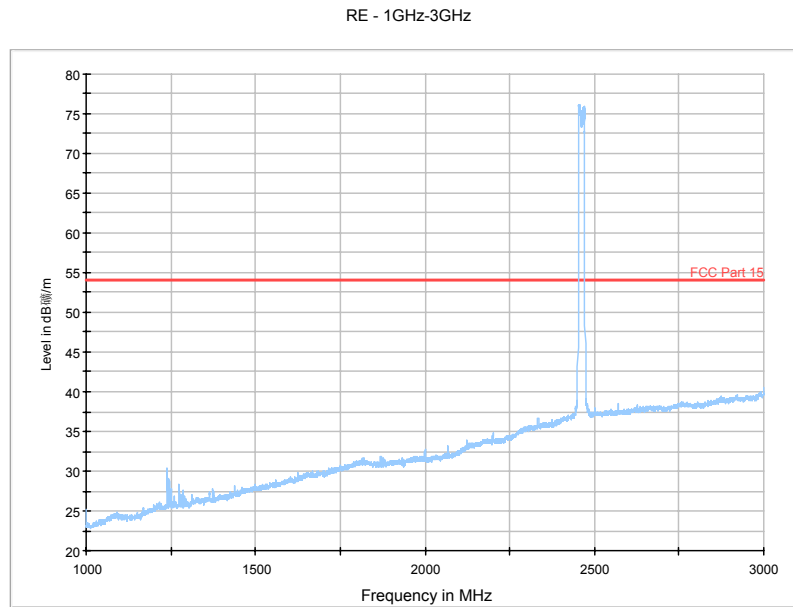


Fig. 160 Radiated Spurious Emission (802.11n-20MHz, Ch11, 1 GHz-3 GHz)



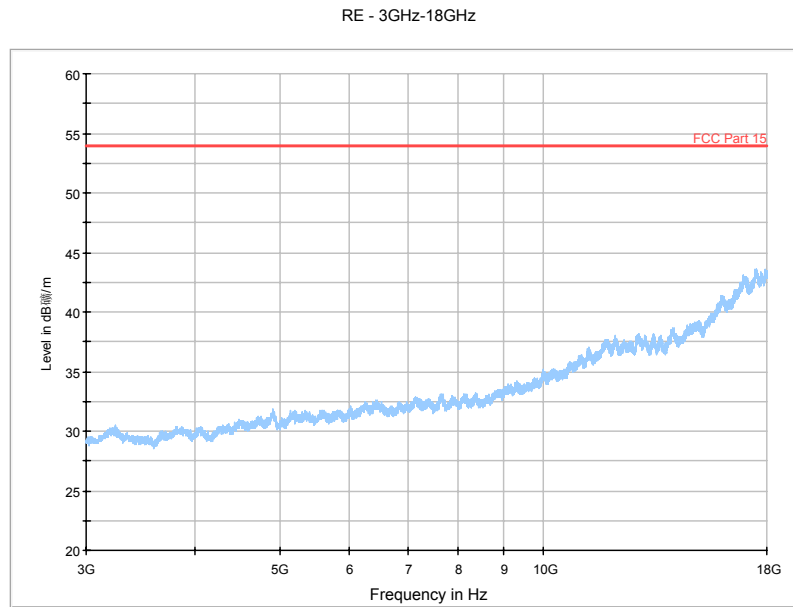


Fig. 161 Radiated Spurious Emission (802.11n-20MHz, Ch11, 3 GHz-18 GHz)

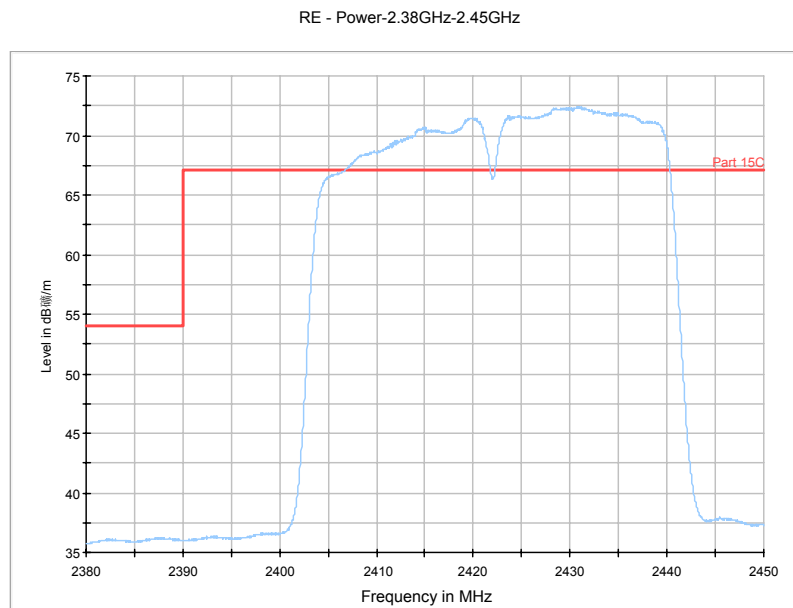


Fig. 162 Radiated Spurious Emission (Power): 802.11n-40MHz, ch3, 2.38 GHz - 2.45GHz

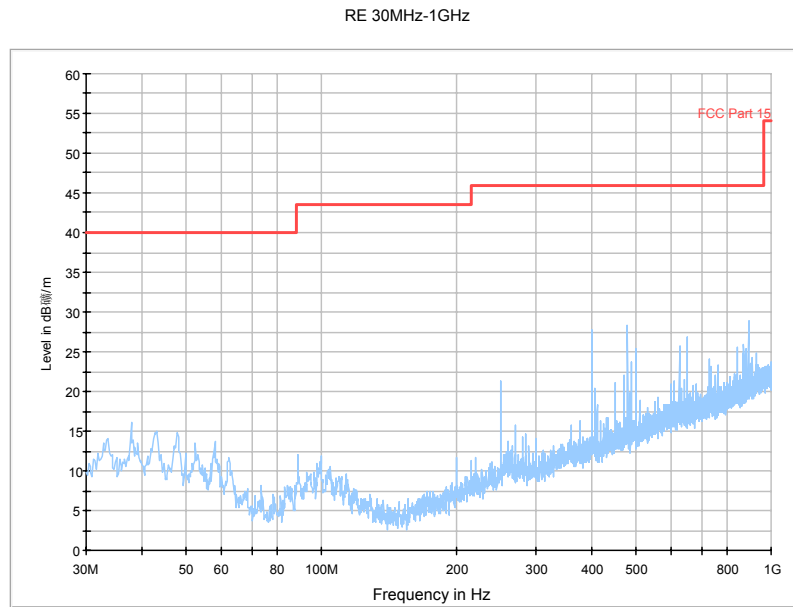


Fig. 163 Radiated Spurious Emission (802.11n-40MHz, Ch3, 30 MHz-1 GHz)

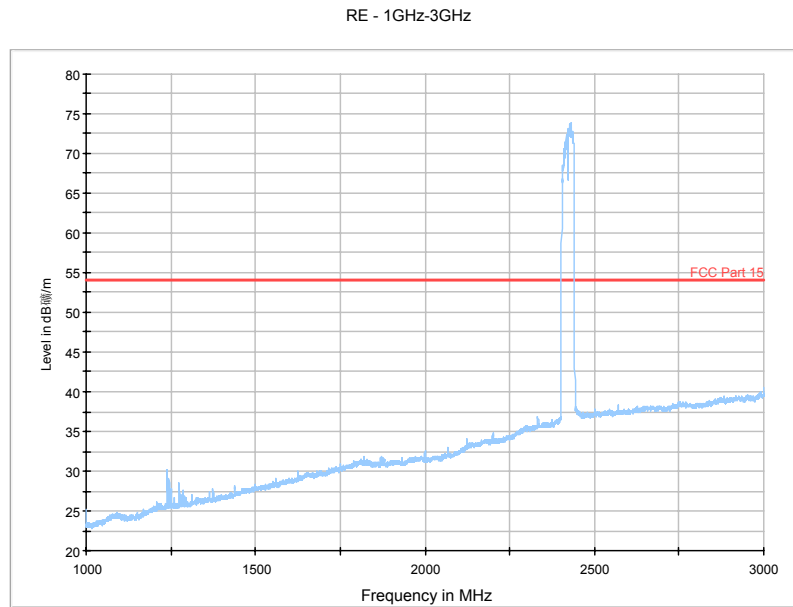
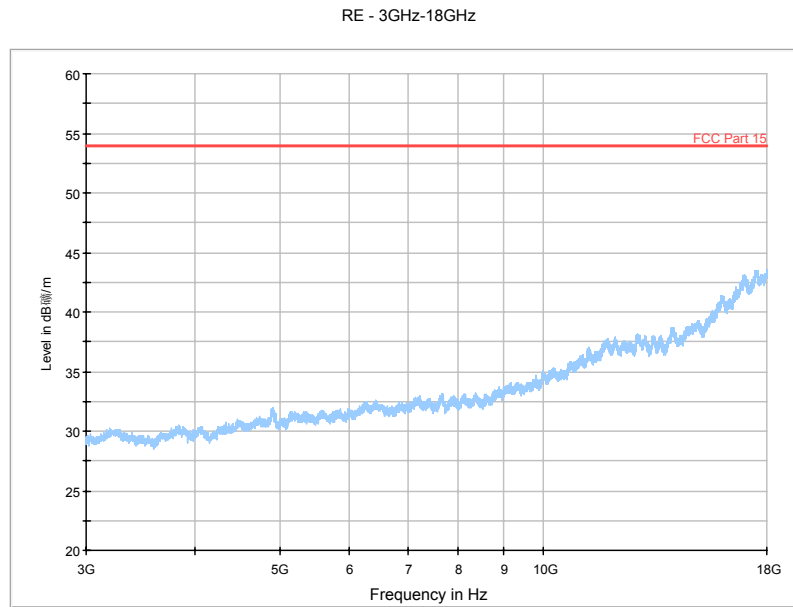
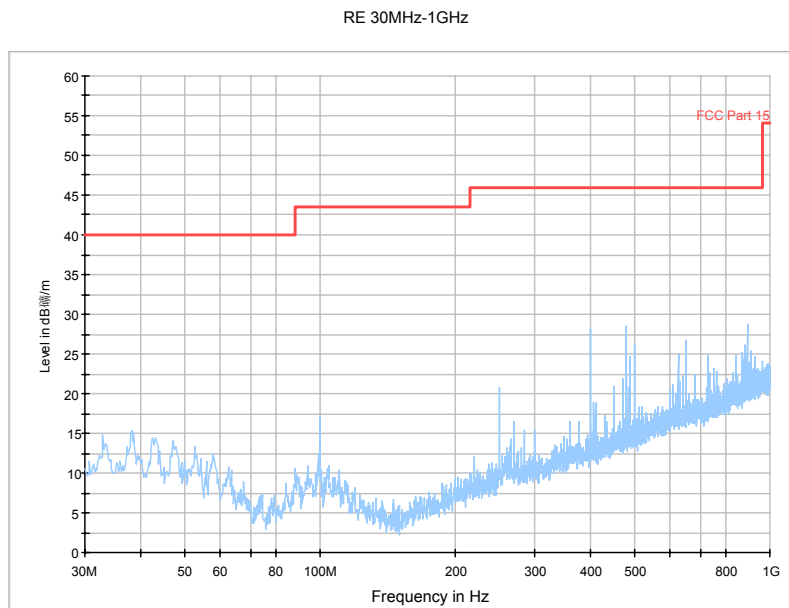


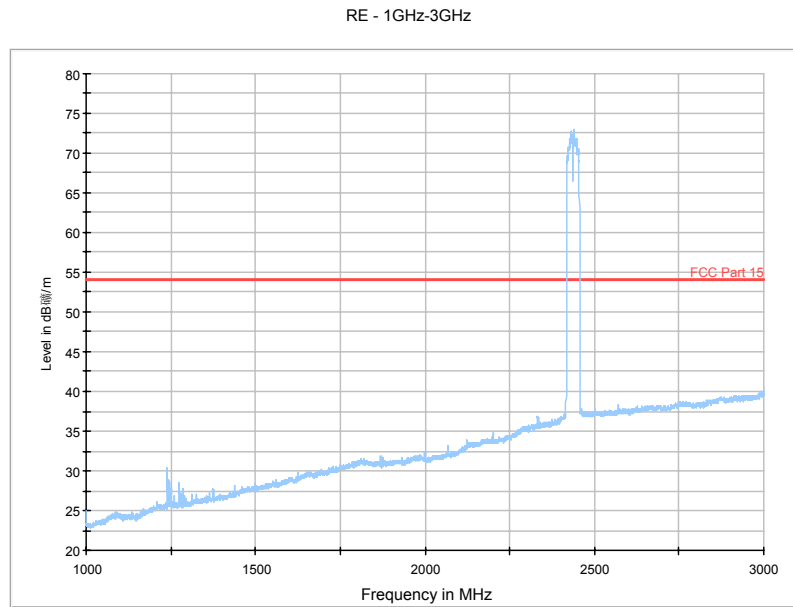
Fig. 164 Radiated Spurious Emission (802.11n-40MHz, Ch3, 1 GHz-3 GHz)



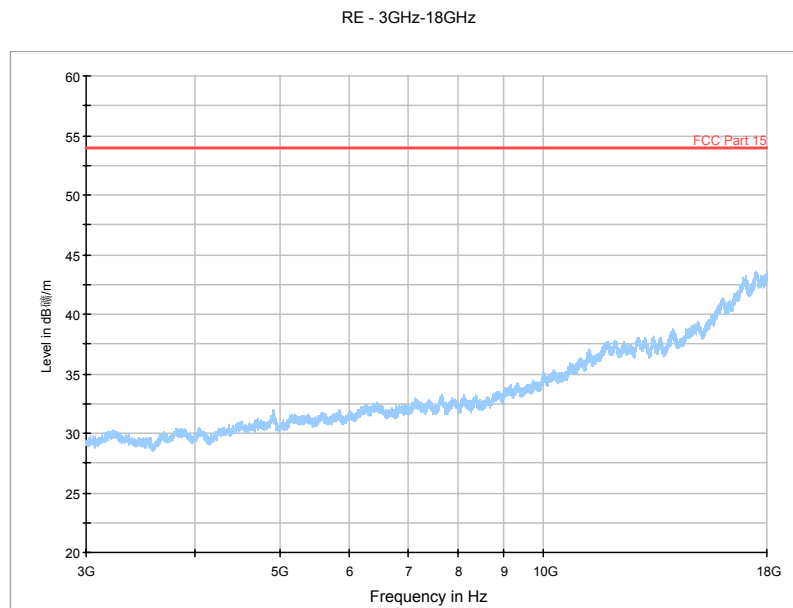
**Fig. 165 Radiated Spurious Emission (802.11n-40MHz, Ch3, 3 GHz-18 GHz)**



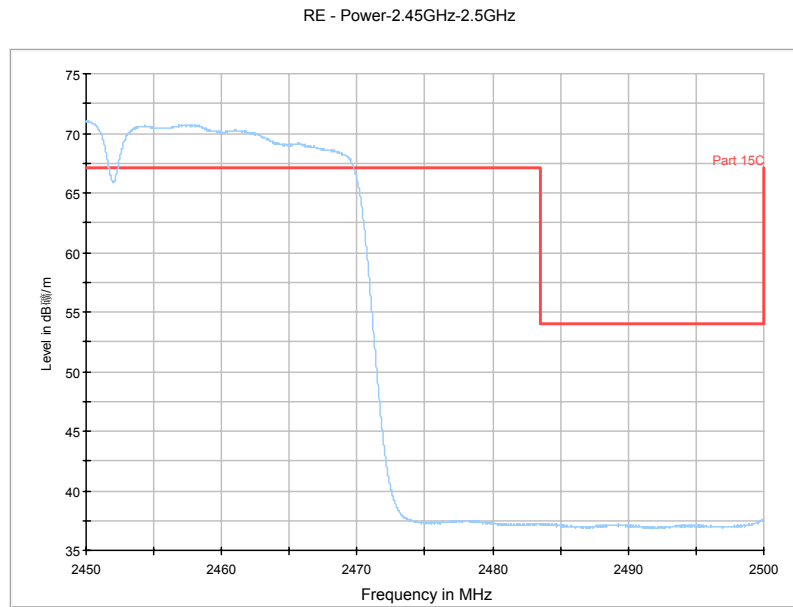
**Fig. 166 Radiated Spurious Emission (802.11n-40MHz, Ch6, 30 MHz-1 GHz)**



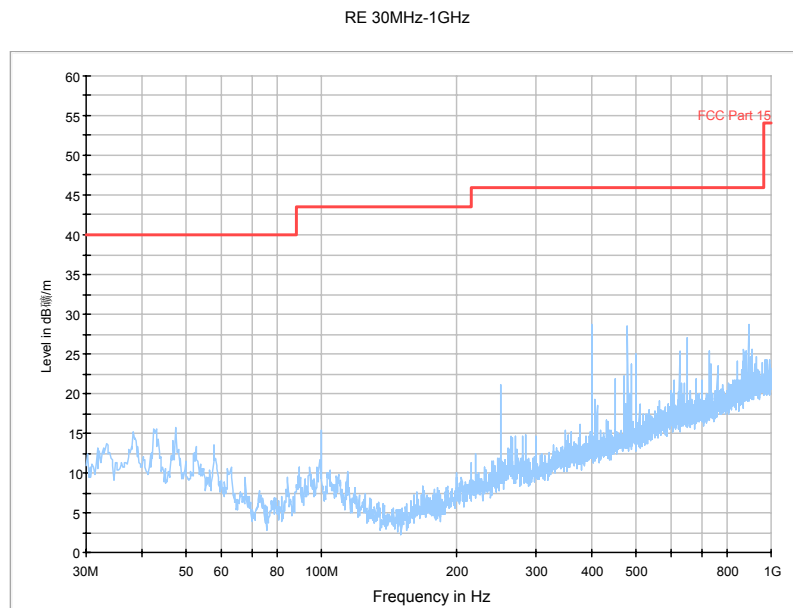
**Fig. 167 Radiated Spurious Emission (802.11n-40MHz, Ch6, 1 GHz-3 GHz)**



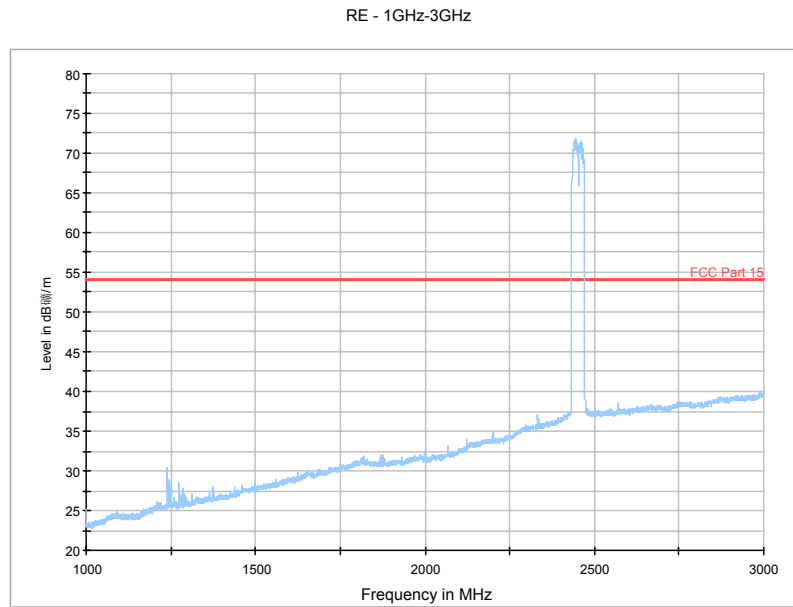
**Fig. 168 Radiated Spurious Emission (802.11n-40MHz, Ch6, 3 GHz-18 GHz)**



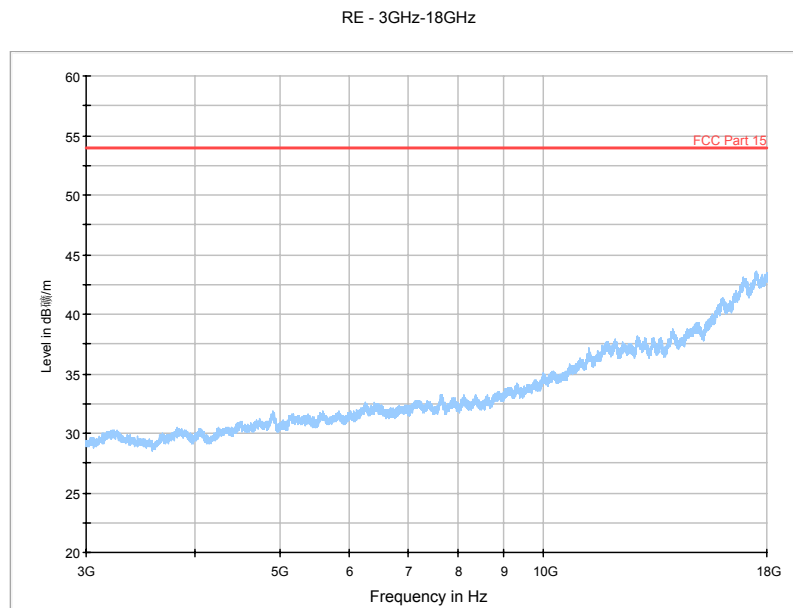
**Fig. 169 Radiated Spurious Emission (Power): 802.11n-40MHz, ch9, 2.45 GHz - 2.50GHz**



**Fig. 170 Radiated Spurious Emission (802.11n-40MHz, Ch9, 30 MHz-1 GHz)**



**Fig. 171 Radiated Spurious Emission (802.11n-40MHz, Ch9, 1 GHz-3 GHz)**



**Fig. 172 Radiated Spurious Emission (802.11n-40MHz, Ch9, 3 GHz-18 GHz)**

EMI 18GHz-26.5GHz

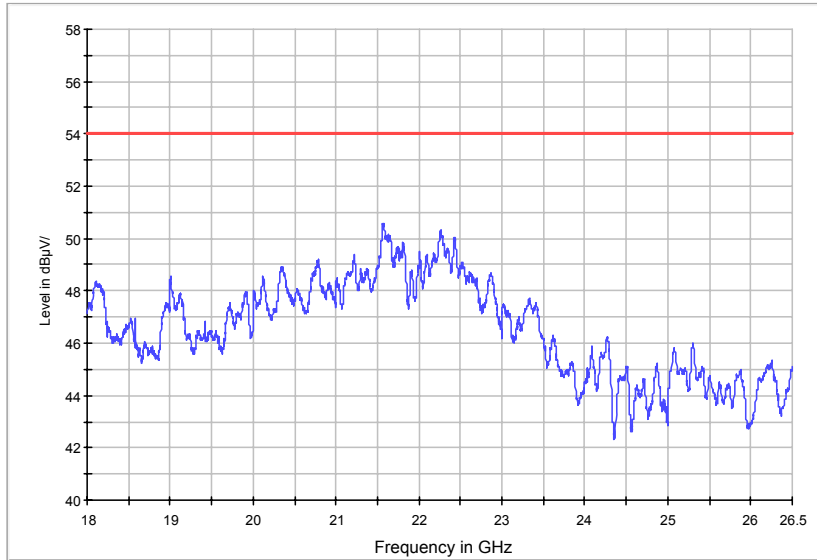


Fig. 173 Radiated Spurious Emission (All channels): 18GHz - 26.5GHz

### A.7. AC Powerline Conducted Emission

**Test Condition:**

Voltage (V)	Frequency (Hz)
120	60

**Measurement Result and limit:**

**Measurement with charger1**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)				Conclusion
		With charger				
		802.11b	802.11g	802.11n HT20	802.11n HT40	
0.15 to 0.5	66 to 56	Fig. 174	Fig.175	Fig.176	Fig.177	P
0.5 to 5	56					
5 to 30	60					

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)				Conclusion
		With charger				
		802.11b	802.11g	802.11n HT20	802.11n HT40	
0.15 to 0.5	56 to 46	Fig.174	Fig.175	Fig.176	Fig.177	P
0.5 to 5	46					
5 to 30	50					

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

The measurement is made according to ANSI C63.10



**Measurement with charger2**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)				Conclusion
		With charger				
		802.11b	802.11g	802.11n HT20	802.11n HT40	
0.15 to 0.5	67 to 56	Fig. 178	Fig.179	Fig.180	Fig.181	P
0.5 to 5	56					
5 to 30	60					

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

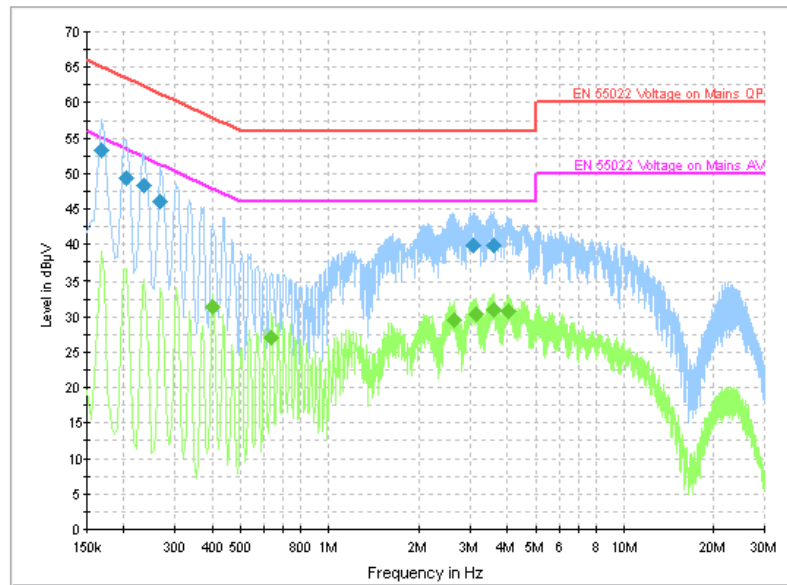
Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)				Conclusion
		With charger				
		802.11b	802.11g	802.11n HT20	802.11n HT40	
0.15 to 0.5	56 to 46	Fig.178	Fig.179	Fig.180	Fig.181	P
0.5 to 5	46					
5 to 30	50					

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

The measurement is made according to ANSI C63.10

**Conclusion: PASS**

**Test graphs as below:**



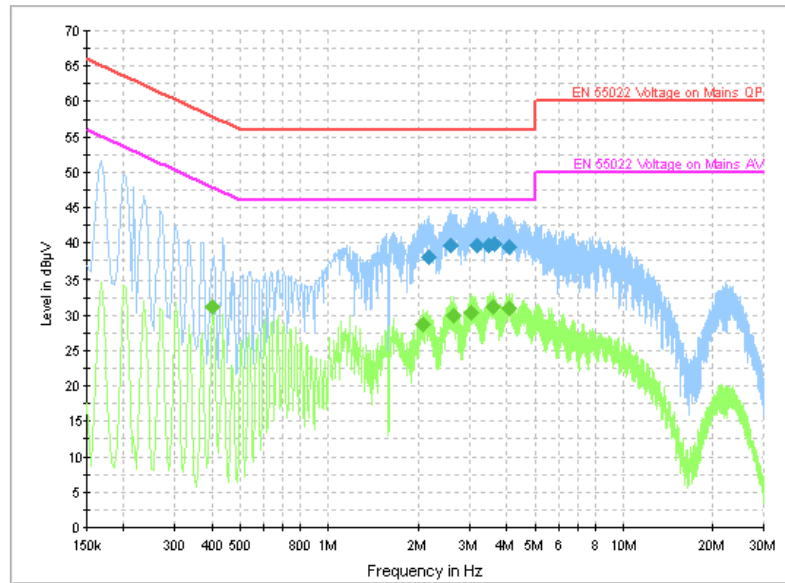
**Fig. 174 AC Powerline Conducted Emission-802.11b**

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.168000	53.3	GND	L1	10.0	11.7	65.1
0.204000	49.4	GND	L1	10.0	14.1	63.4
0.235500	48.2	GND	L1	10.0	14.0	62.3
0.267000	46.0	GND	L1	10.0	15.2	61.2
3.052500	40.0	GND	L1	10.0	16.0	56.0
3.579000	39.8	GND	N	10.0	16.2	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.402000	31.5	GND	N	10.0	16.4	47.8
0.636000	27.0	GND	N	10.0	19.0	46.0
2.629500	29.5	GND	N	10.0	16.5	46.0
3.120000	30.4	GND	L1	10.0	15.6	46.0
3.601500	30.9	GND	N	10.0	15.1	46.0
4.011000	30.8	GND	L1	10.0	15.2	46.0



**Fig. 175 AC Powerline Conducted Emission-802.11g**

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.170500	37.9	GND	L1	10.0	18.1	56.0
2.566500	39.6	GND	N	10.0	16.4	56.0
3.156000	39.6	GND	N	10.0	16.4	56.0
3.475500	39.7	GND	L1	10.0	16.3	56.0
3.633000	39.9	GND	N	10.0	16.1	56.0
4.078500	39.5	GND	N	10.0	16.5	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.402000	31.1	GND	N	10.0	16.7	47.8
2.085000	28.8	GND	L1	10.0	17.2	46.0
2.629500	29.9	GND	N	10.0	16.1	46.0
3.016500	30.3	GND	N	10.0	15.7	46.0
3.597000	31.2	GND	N	10.0	14.8	46.0
4.101000	31.0	GND	N	10.0	15.0	46.0

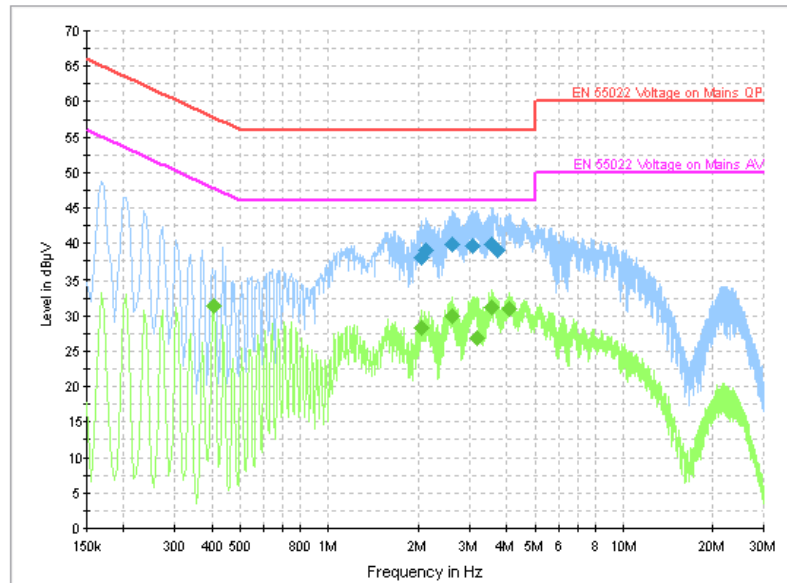


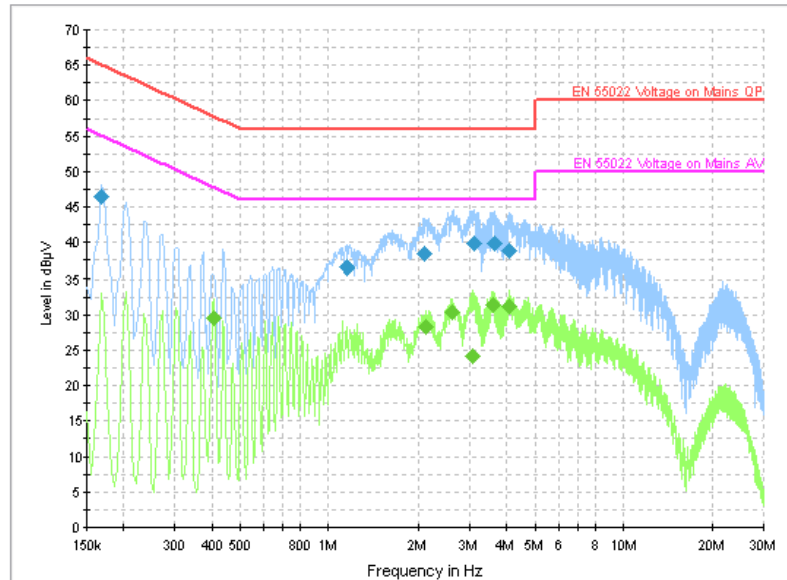
Fig. 176 AC Powerline Conducted Emission-802.11n-HT20

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.049000	38.0	GND	L1	10.0	18.0	56.0
2.130000	39.1	GND	L1	10.0	16.9	56.0
2.607000	39.8	GND	N	10.0	16.2	56.0
3.057000	39.7	GND	N	10.0	16.3	56.0
3.552000	39.8	GND	L1	10.0	16.2	56.0
3.732000	39.0	GND	N	10.0	17.0	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.406500	31.4	GND	N	10.0	16.3	47.7
2.049000	28.3	GND	L1	10.0	17.7	46.0
2.598000	29.9	GND	N	10.0	16.1	46.0
3.151500	26.9	GND	L1	10.0	19.1	46.0
3.547500	31.1	GND	N	10.0	14.9	46.0
4.074000	31.0	GND	L1	10.0	15.0	46.0



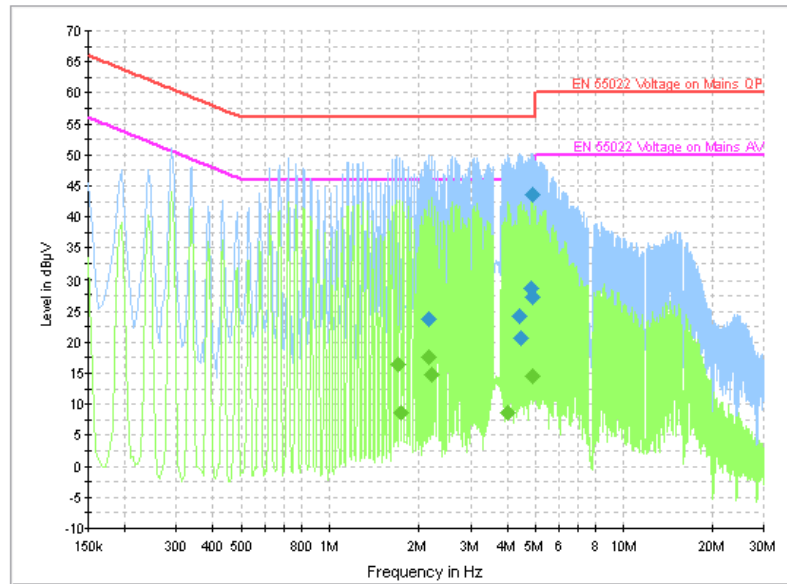
**Fig. 177 AC Powerline Conducted Emission-802.11n-HT40**

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.168000	46.4	GND	L1	10.0	18.6	65.1
1.149000	36.6	GND	L1	10.0	19.4	56.0
2.094000	38.4	GND	N	10.0	17.6	56.0
3.106500	39.8	GND	N	10.0	16.2	56.0
3.633000	39.9	GND	L1	10.0	16.1	56.0
4.060500	38.8	GND	L1	10.0	17.2	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.406500	29.5	GND	L1	10.0	18.2	47.7
2.121000	28.3	GND	L1	10.0	17.7	46.0
2.611500	30.3	GND	L1	10.0	15.7	46.0
3.048000	24.2	GND	L1	10.0	21.8	46.0
3.601500	31.3	GND	L1	10.0	14.7	46.0
4.101000	31.1	GND	L1	10.0	14.9	46.0



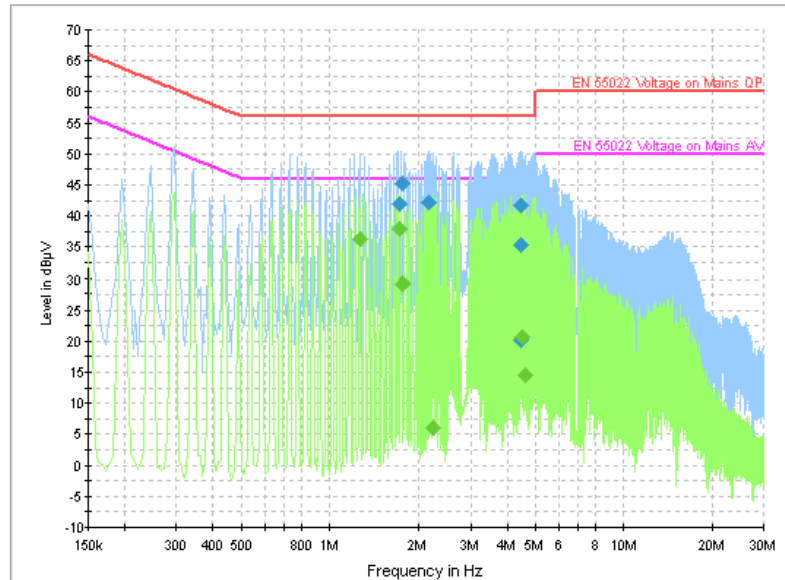
**Fig. 178 AC Powerline Conducted Emission-802.11b**

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.170500	23.8	GND	N	10.0	32.2	56.0
4.425000	24.2	GND	L1	10.0	31.8	56.0
4.474500	20.7	GND	L1	10.0	35.4	56.0
4.812000	28.8	GND	L1	10.0	27.2	56.0
4.861500	27.3	GND	L1	10.0	28.7	56.0
4.875000	43.6	GND	N	10.0	12.4	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.689000	16.5	GND	N	10.0	29.5	46.0
1.729500	8.5	GND	L1	10.0	37.5	46.0
2.170500	17.7	GND	N	10.0	28.3	46.0
2.220000	14.7	GND	N	10.0	31.3	46.0
4.006500	8.7	GND	N	10.0	37.3	46.0
4.861500	14.6	GND	L1	10.0	31.4	46.0



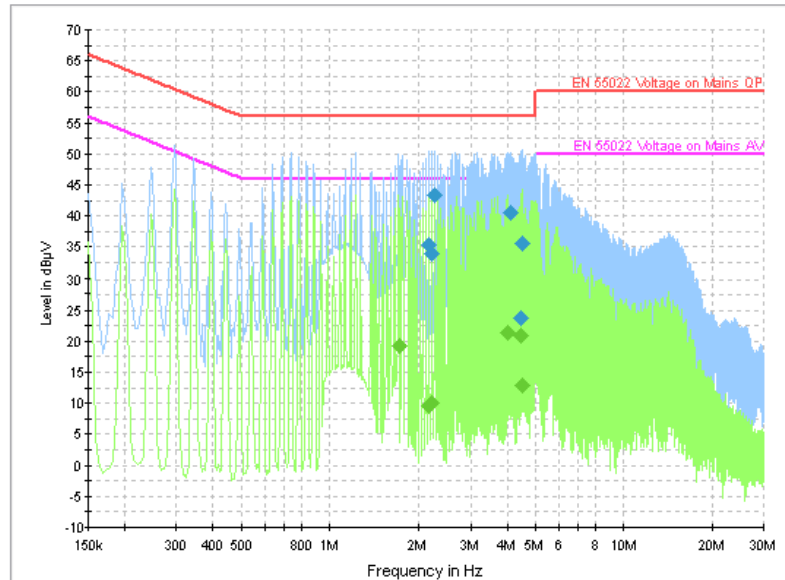
**Fig. 179 AC Powerline Conducted Emission-802.11g**

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.707000	41.8	GND	N	10.0	14.2	56.0
1.756500	45.2	GND	N	10.0	10.8	56.0
2.148000	42.2	GND	N	10.0	13.8	56.0
4.443000	41.7	GND	N	10.0	14.3	56.0
4.465500	35.2	GND	L1	10.0	20.8	56.0
4.474500	20.2	GND	L1	10.0	35.8	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.266000	36.3	GND	L1	10.0	9.7	46.0
1.707000	37.8	GND	N	10.0	8.2	46.0
1.756500	29.3	GND	N	10.0	16.7	46.0
2.238000	6.2	GND	L1	10.0	39.8	46.0
4.524000	20.8	GND	L1	10.0	25.2	46.0
4.587000	14.5	GND	N	10.0	31.5	46.0



**Fig. 180 AC Powerline Conducted Emission-802.11n-HT20**

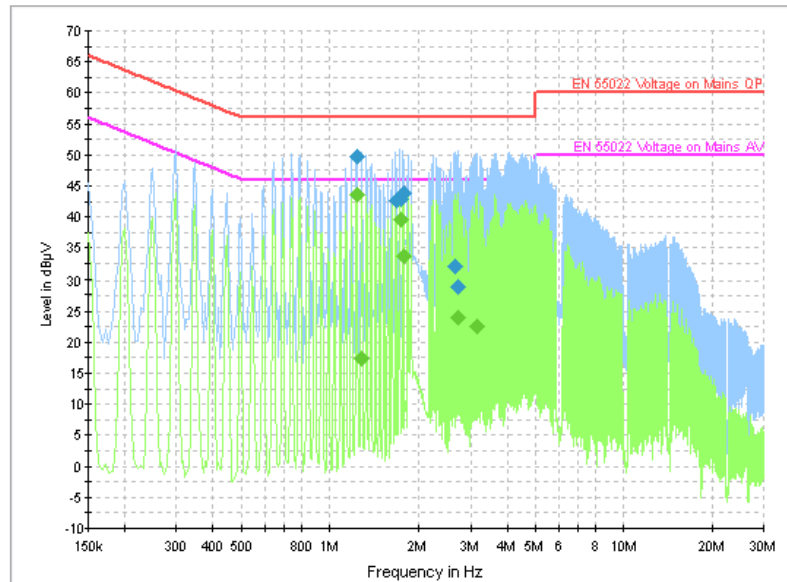
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.157000	35.4	GND	L1	10.0	20.6	56.0
2.206500	33.9	GND	L1	10.0	22.1	56.0
2.260500	43.4	GND	N	10.0	12.6	56.0
4.087500	40.6	GND	N	10.0	15.4	56.0
4.474500	23.7	GND	L1	10.0	32.3	56.0
4.524000	35.6	GND	L1	10.0	20.4	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.716000	19.3	GND	L1	10.0	26.7	46.0
2.157000	9.6	GND	L1	10.0	36.4	46.0
2.206500	10.0	GND	L1	10.0	36.0	46.0
4.033500	21.4	GND	N	10.0	24.6	46.0
4.474500	21.0	GND	L1	10.0	25.0	46.0
4.524000	12.9	GND	L1	10.0	33.1	46.0





**Fig. 181 AC Powerline Conducted Emission-802.11n-HT40**

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.239000	49.6	GND	N	10.0	6.4	56.0
1.680000	42.7	GND	N	10.0	13.3	56.0
1.729500	42.9	GND	L1	10.0	13.1	56.0
1.779000	43.7	GND	L1	10.0	12.3	56.0
2.665500	32.0	GND	L1	10.0	24.0	56.0
2.715000	29.0	GND	L1	10.0	27.0	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
1.239000	43.7	GND	N	10.0	2.3	46.0
1.288500	17.3	GND	N	10.0	28.7	46.0
1.729500	39.6	GND	L1	10.0	6.4	46.0
1.779000	33.7	GND	L1	10.0	12.3	46.0
2.715000	23.9	GND	L1	10.0	22.1	46.0
3.169500	22.6	GND	N	10.0	23.4	46.0

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