

Fig. 77 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch1, 7.5 GHz-10 GHz)

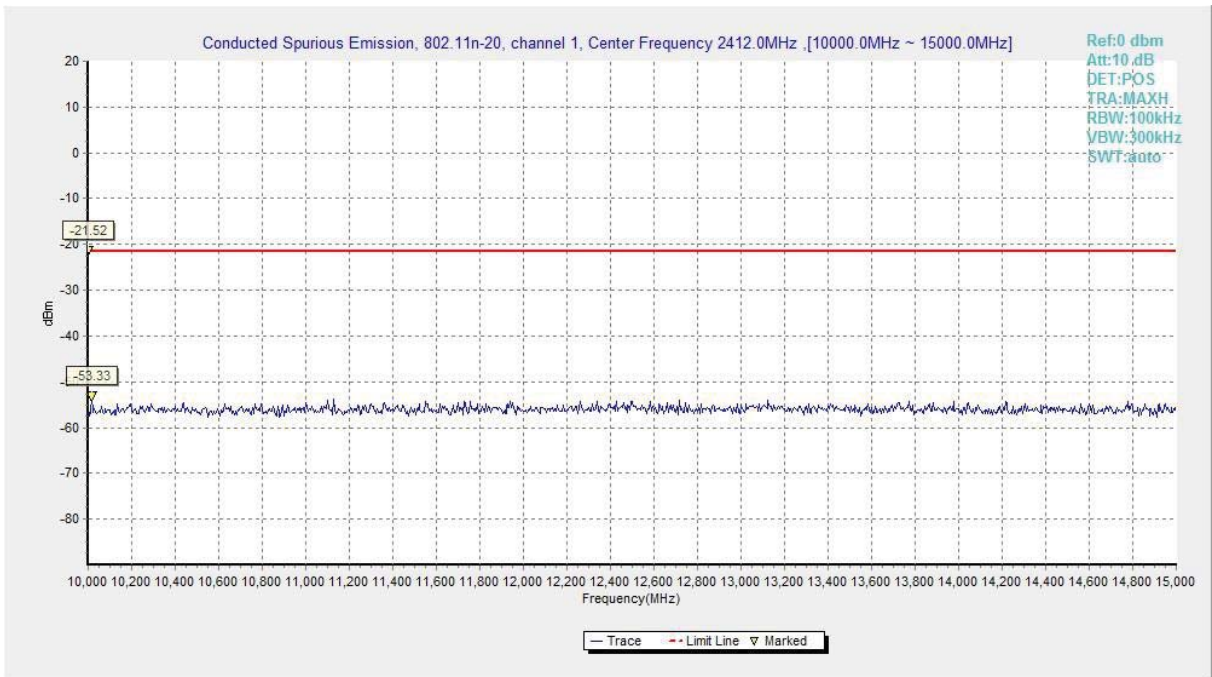


Fig. 78 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch1, 10 GHz-15 GHz)

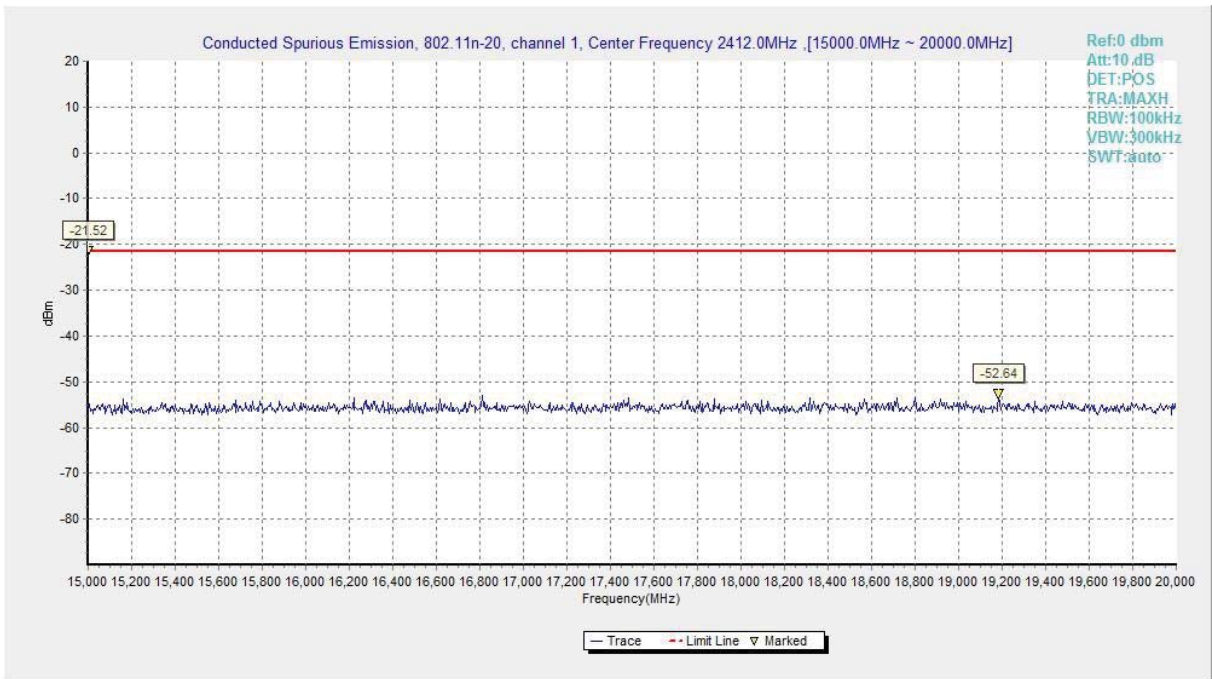


Fig. 79 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch1, 15 GHz-20 GHz)

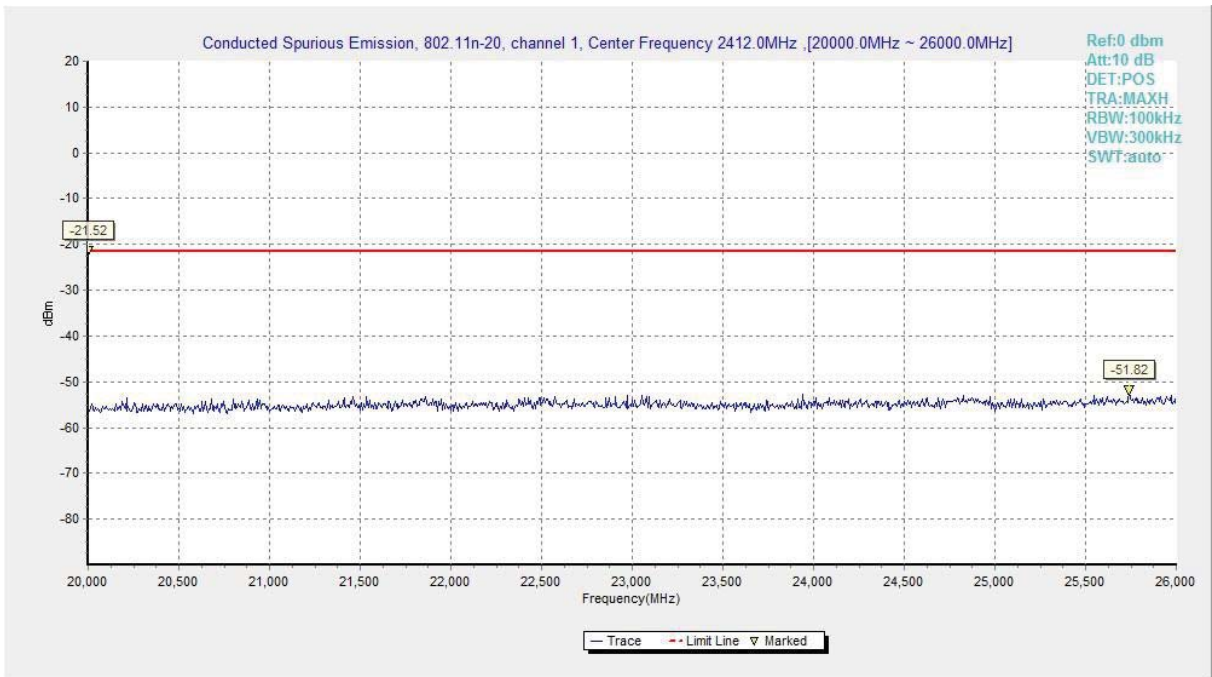


Fig. 80 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch1, 20 GHz-26 GHz)

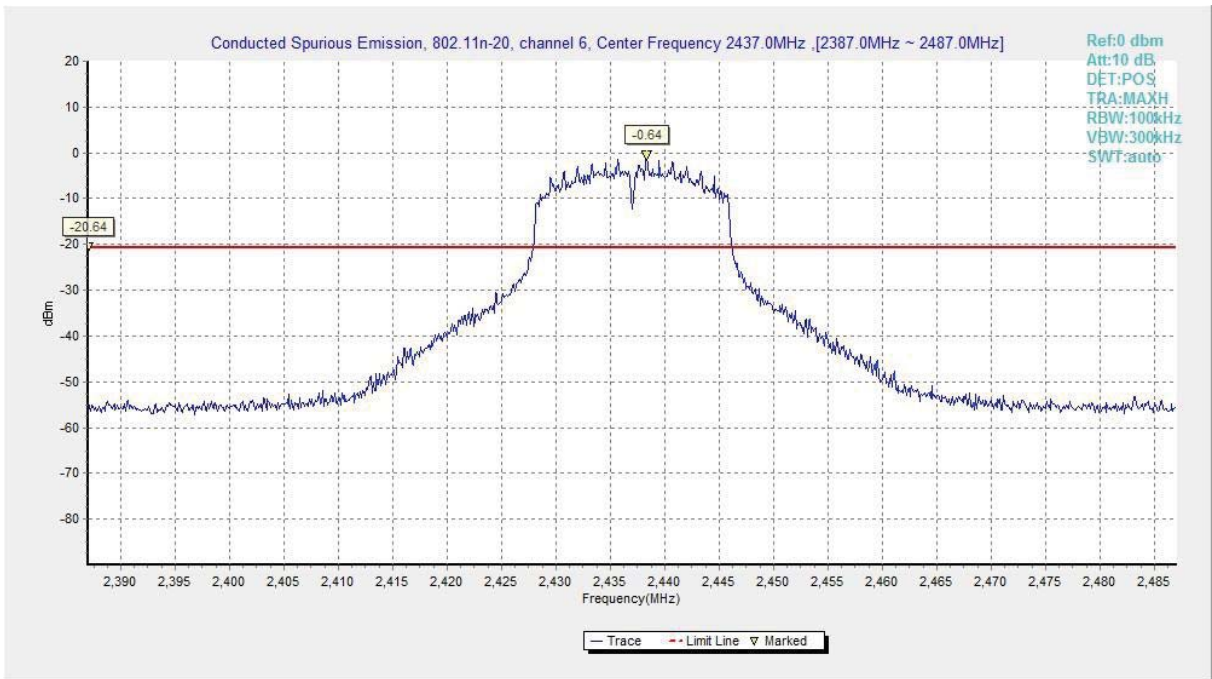


Fig. 81 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, Center Frequency)

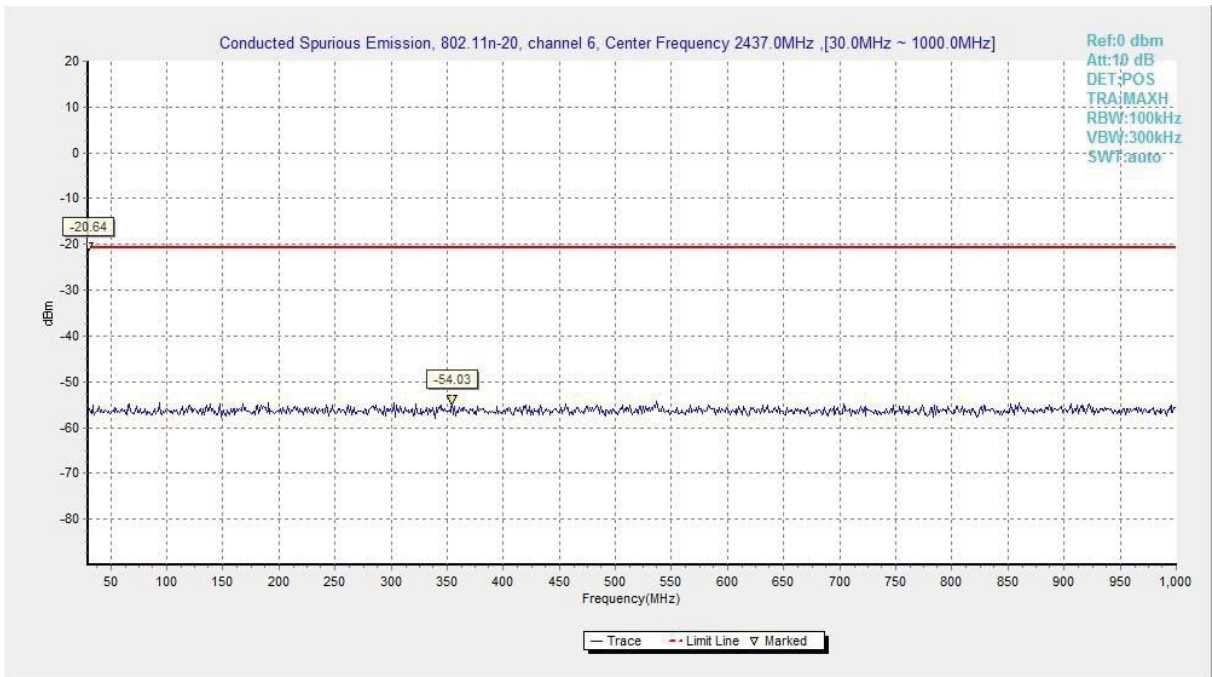


Fig. 82 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, 30 MHz-1 GHz)

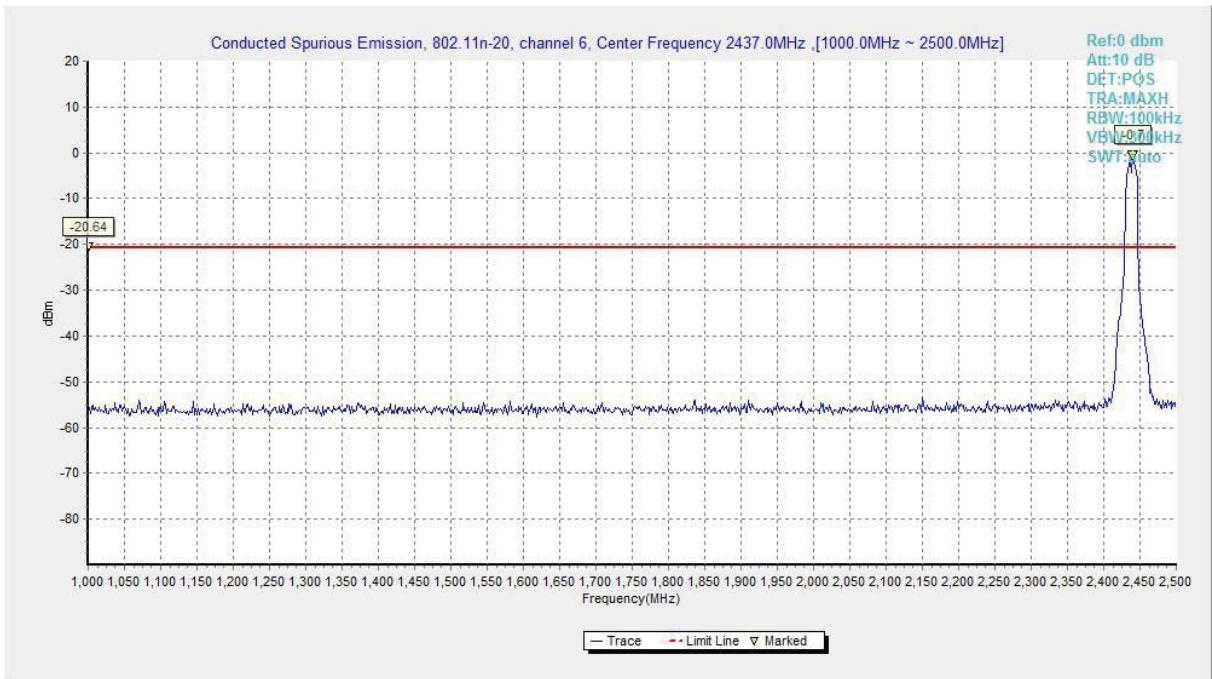


Fig. 83 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, 1 GHz-2.5 GHz)

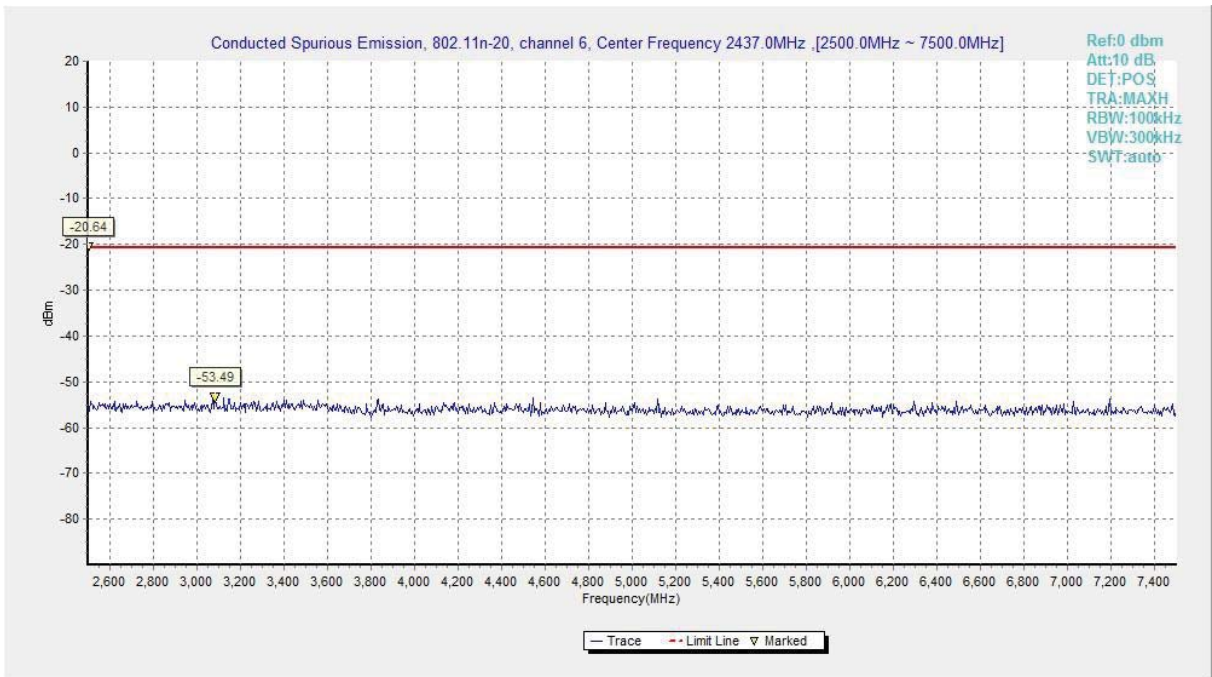


Fig. 84 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, 2.5 GHz-7.5 GHz)

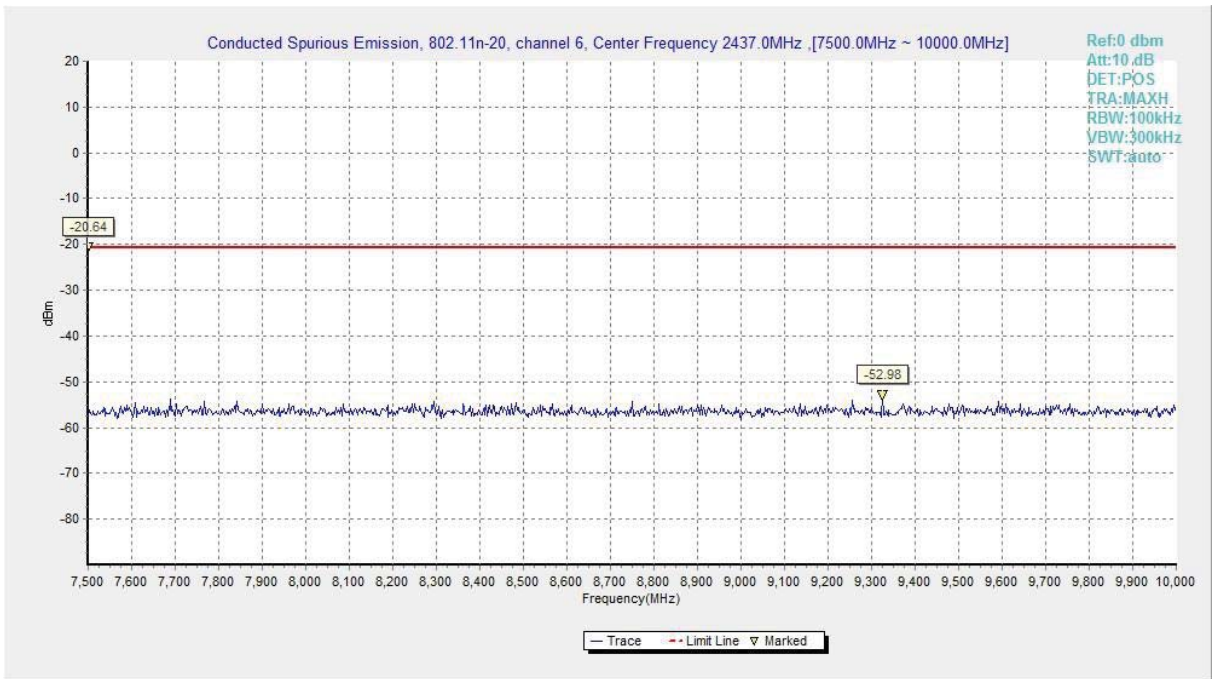


Fig. 85 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, 7.5 GHz-10 GHz)

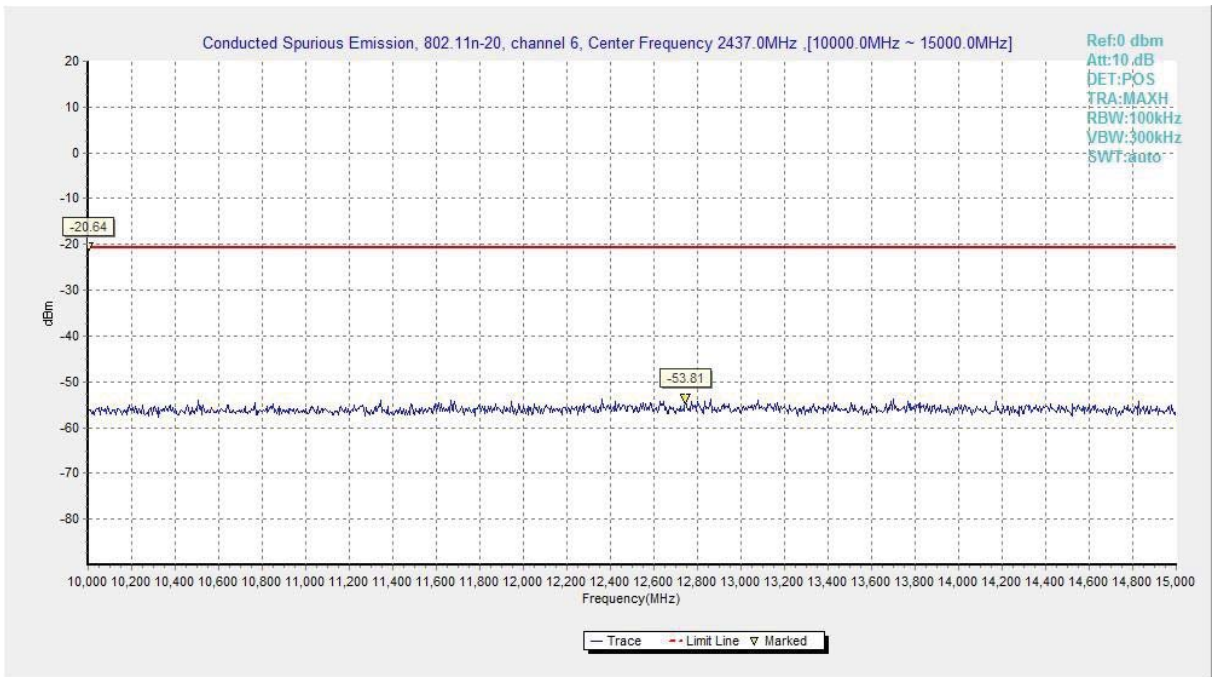


Fig. 86 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, 10 GHz-15 GHz)

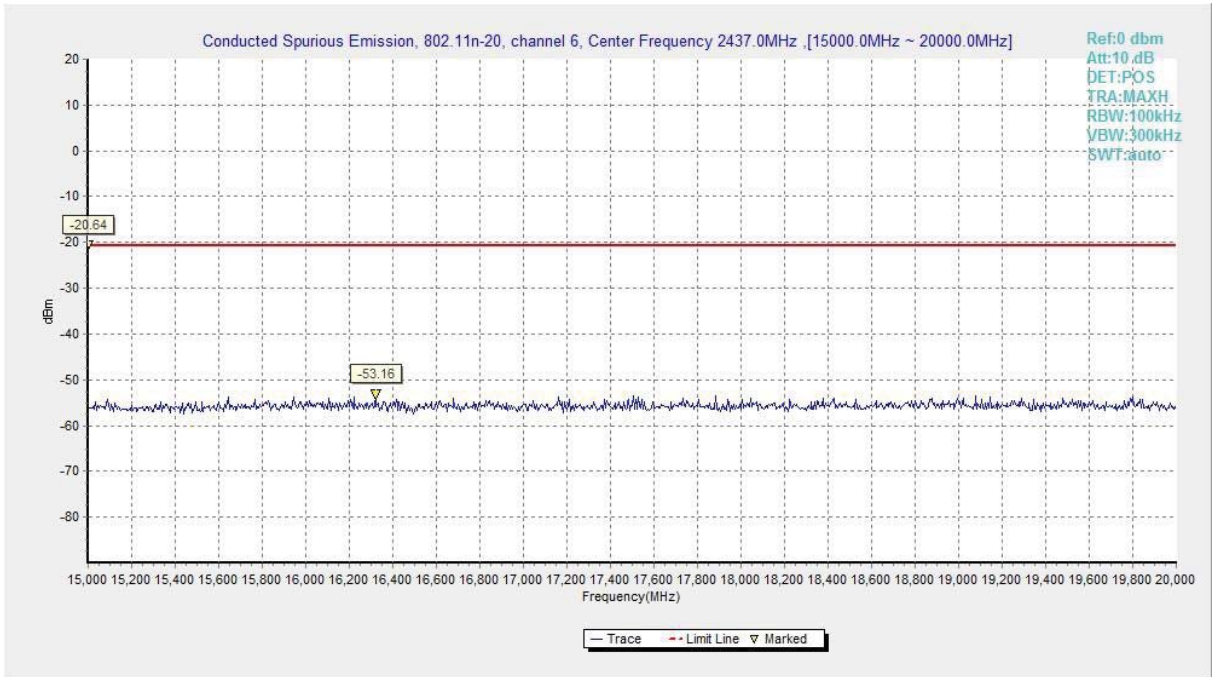


Fig. 87 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, 15 GHz-20 GHz)

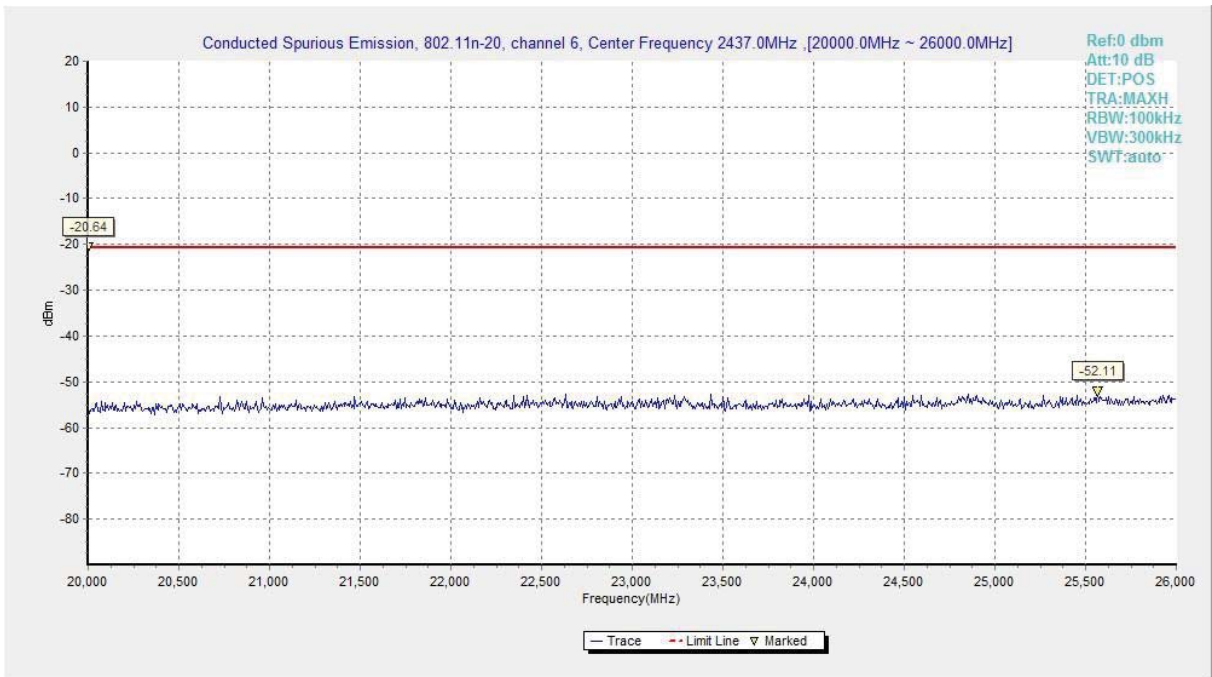


Fig. 88 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch6, 20 GHz-26 GHz)

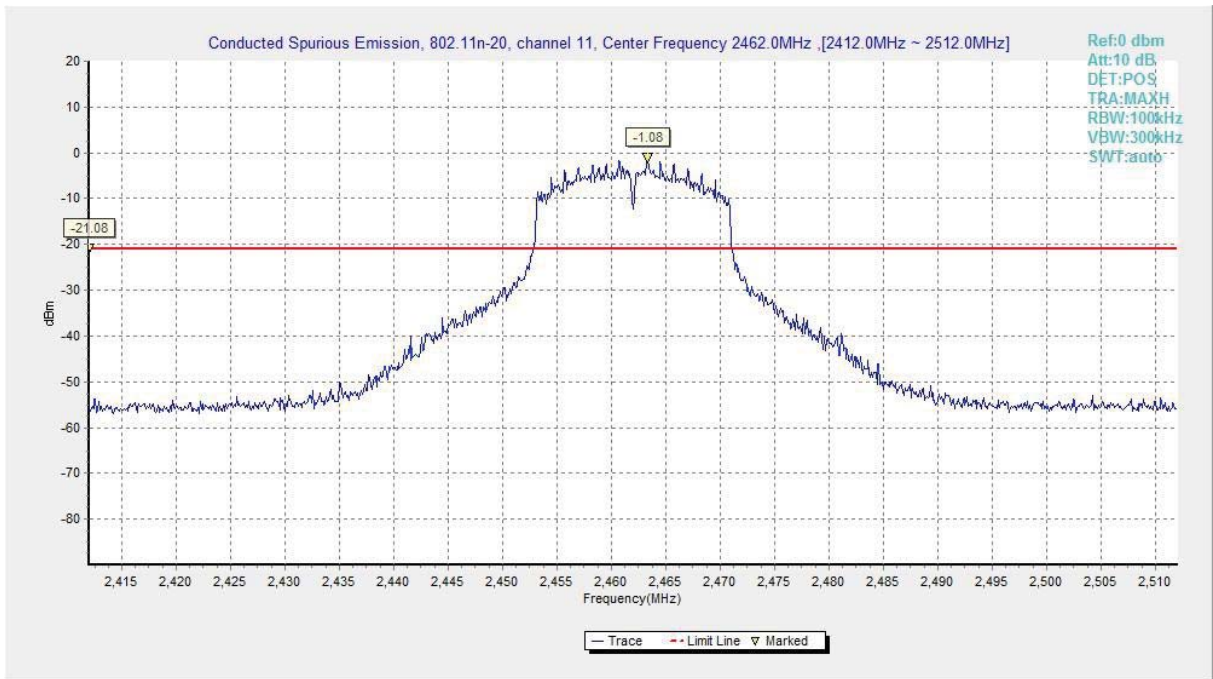


Fig. 89 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch11, Center Frequency)

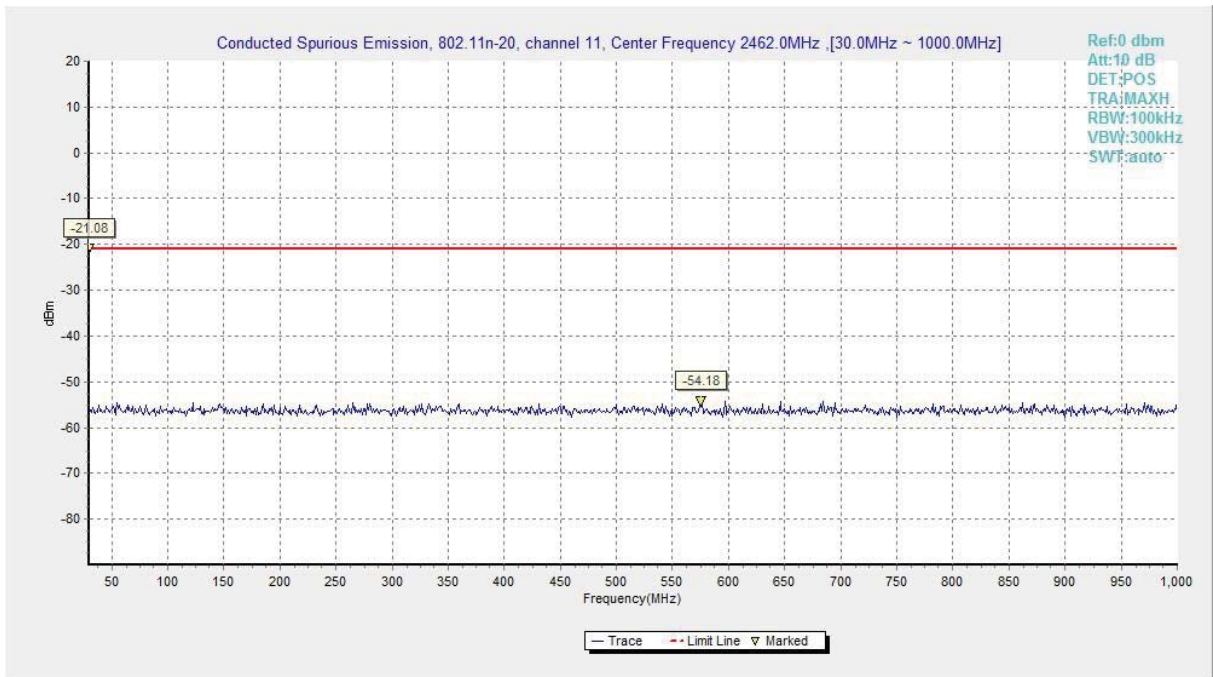


Fig. 90 Conducted Spurious Emission (802.11n-HT20, Ch11, Antenna 1, 30 MHz-1 GHz)

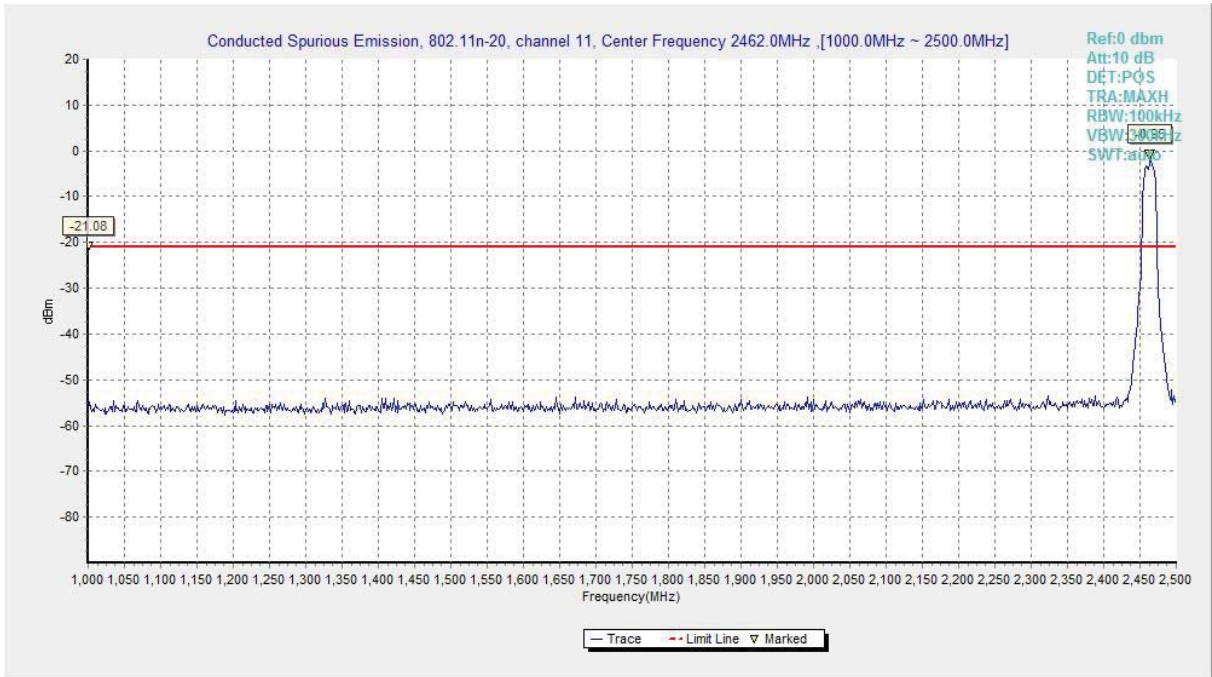


Fig. 91 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch11, 1 GHz-2.5 GHz)

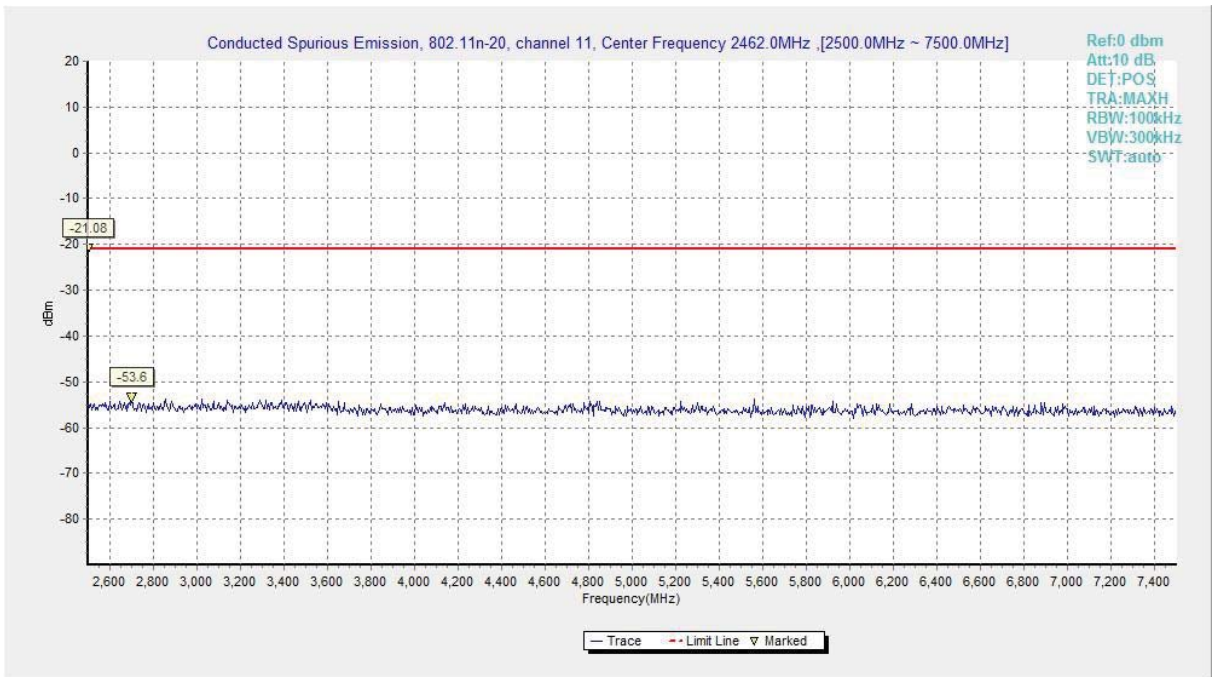


Fig. 92 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch11, 2.5 GHz-7.5 GHz)

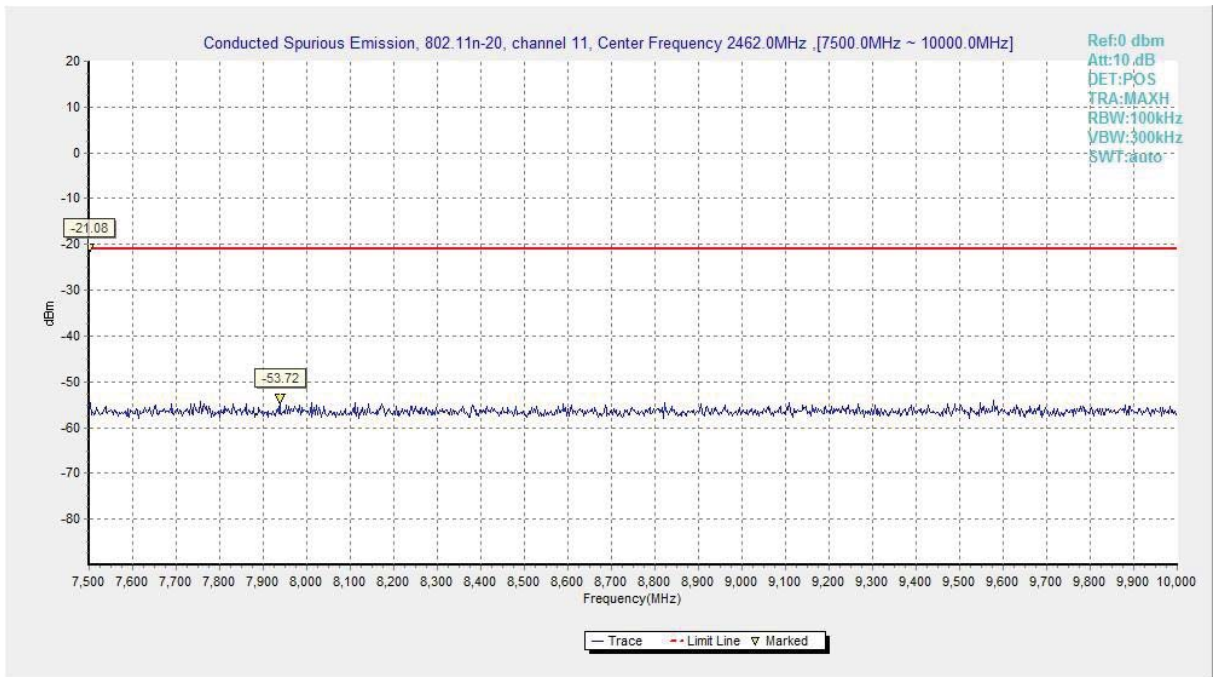


Fig. 93 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch11, 7.5 GHz-10 GHz)

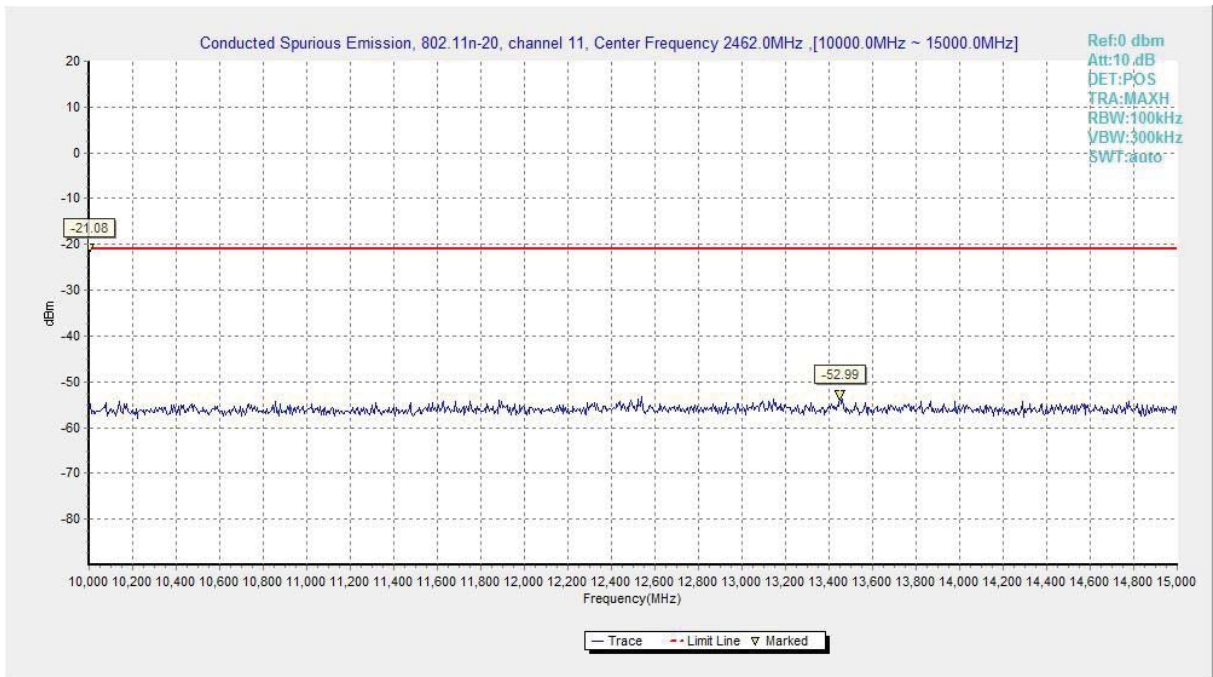


Fig. 94 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch11, 10 GHz-15 GHz)

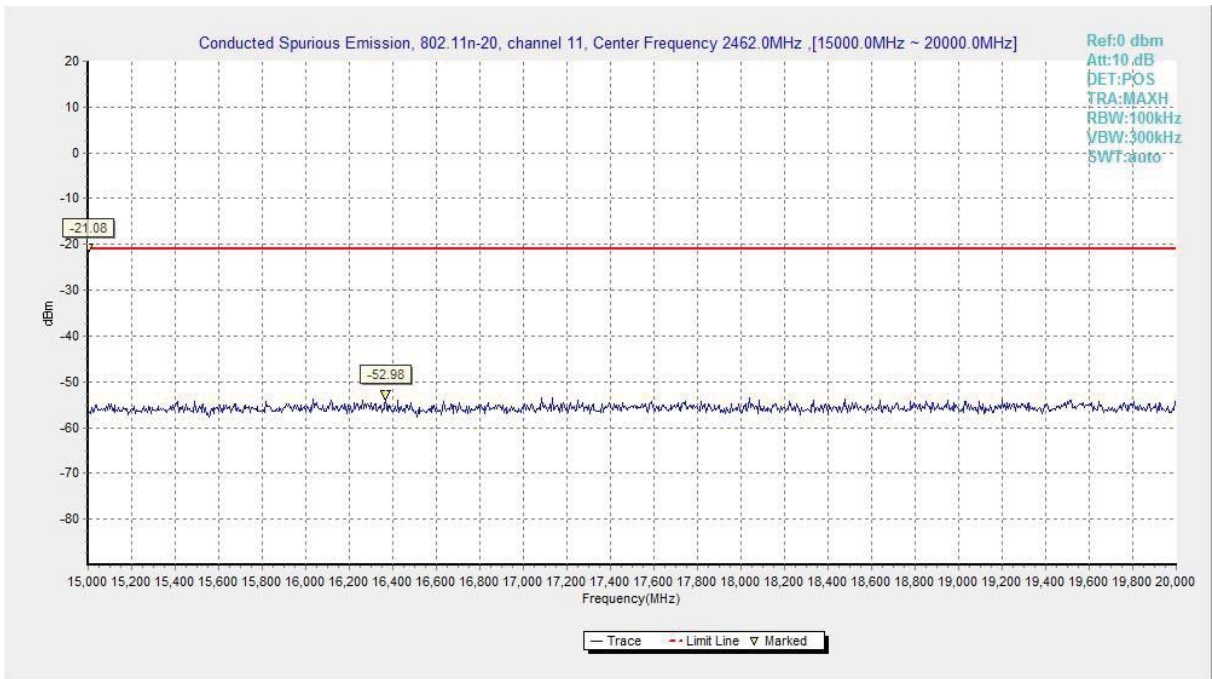


Fig. 95 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch11, 15 GHz-20 GHz)

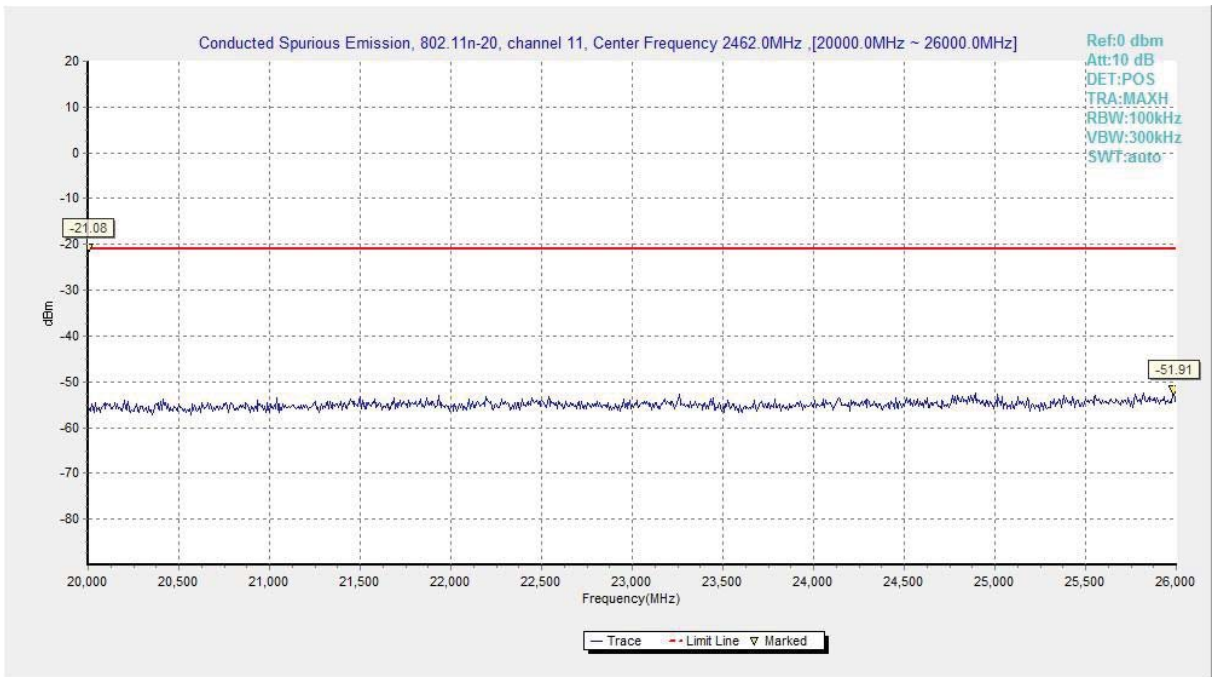


Fig. 96 Conducted Spurious Emission (802.11n-HT20, Antenna 1, Ch11, 20 GHz-26 GHz)

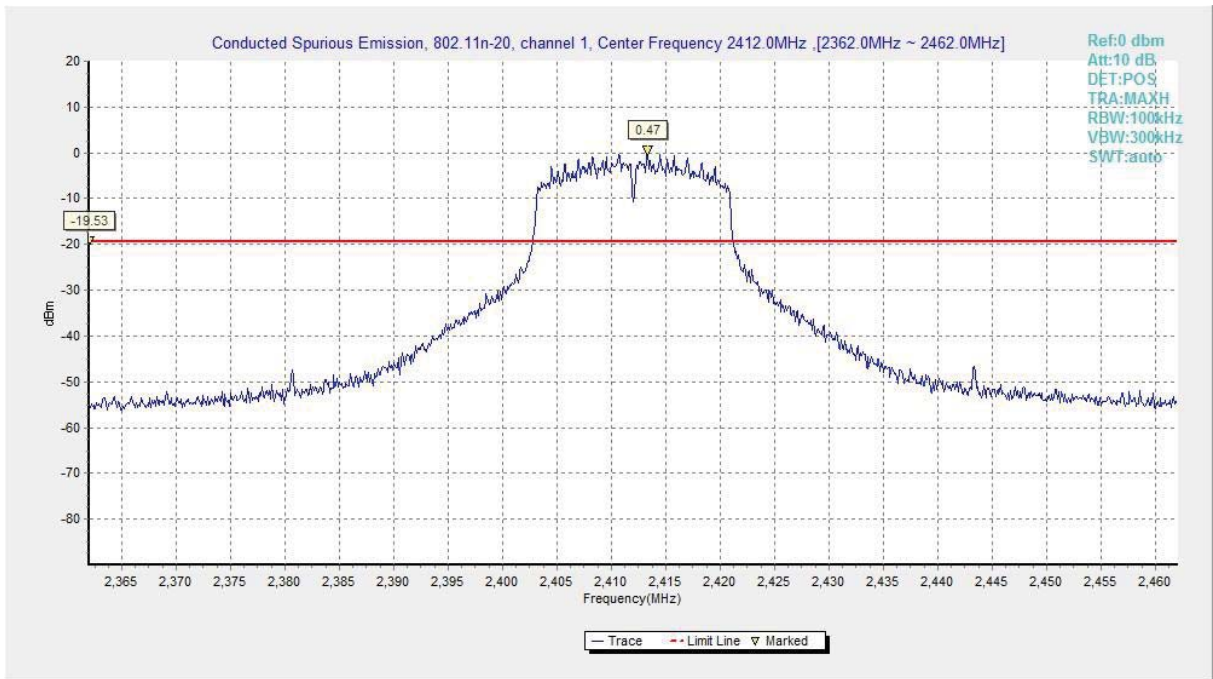


Fig. 97 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, Center Frequency)

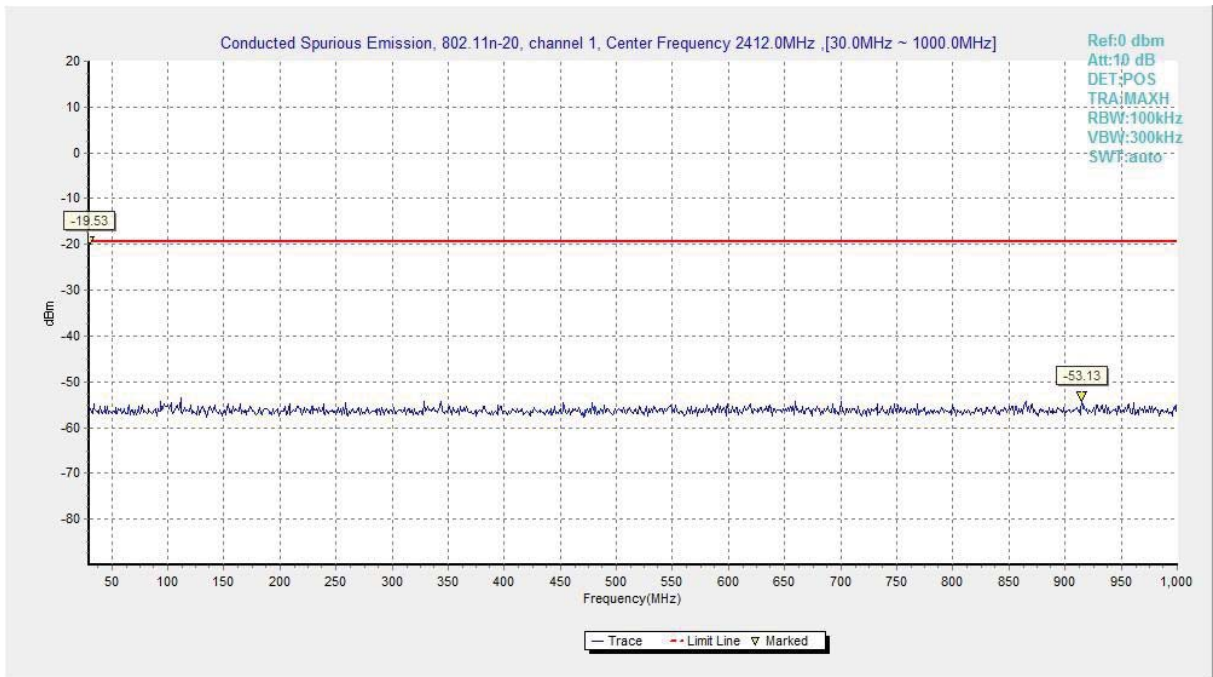


Fig. 98 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, 30 MHz-1 GHz)

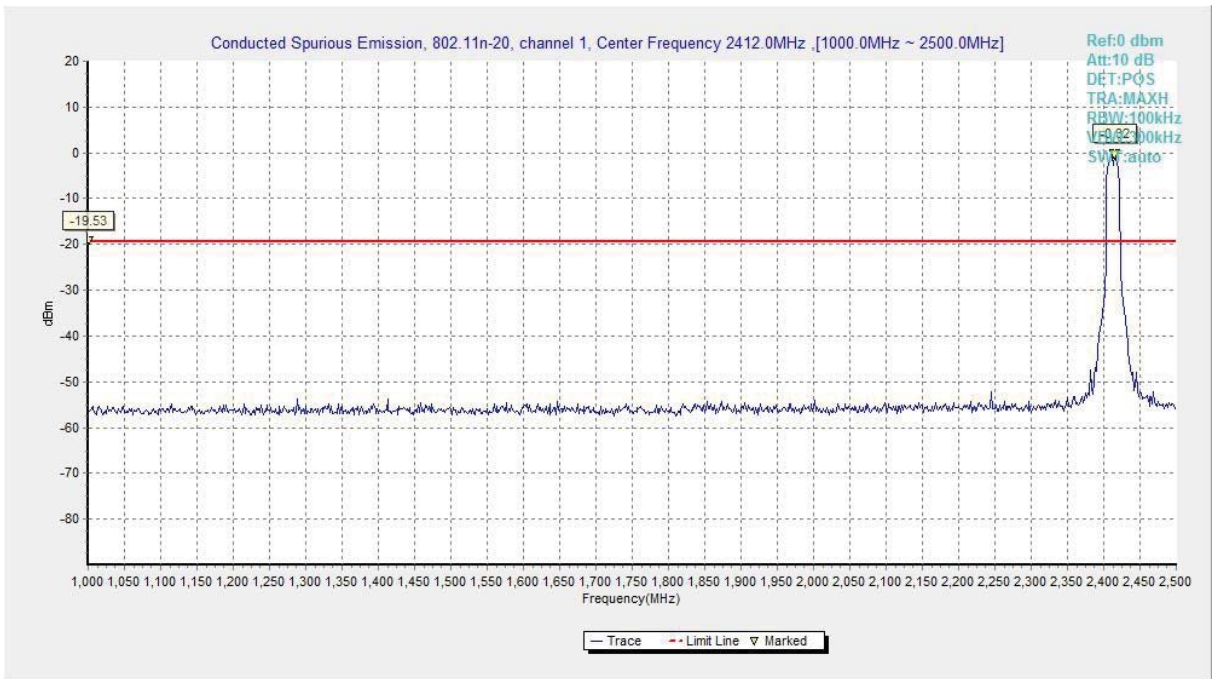


Fig. 99 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, 1 GHz-2.5 GHz)

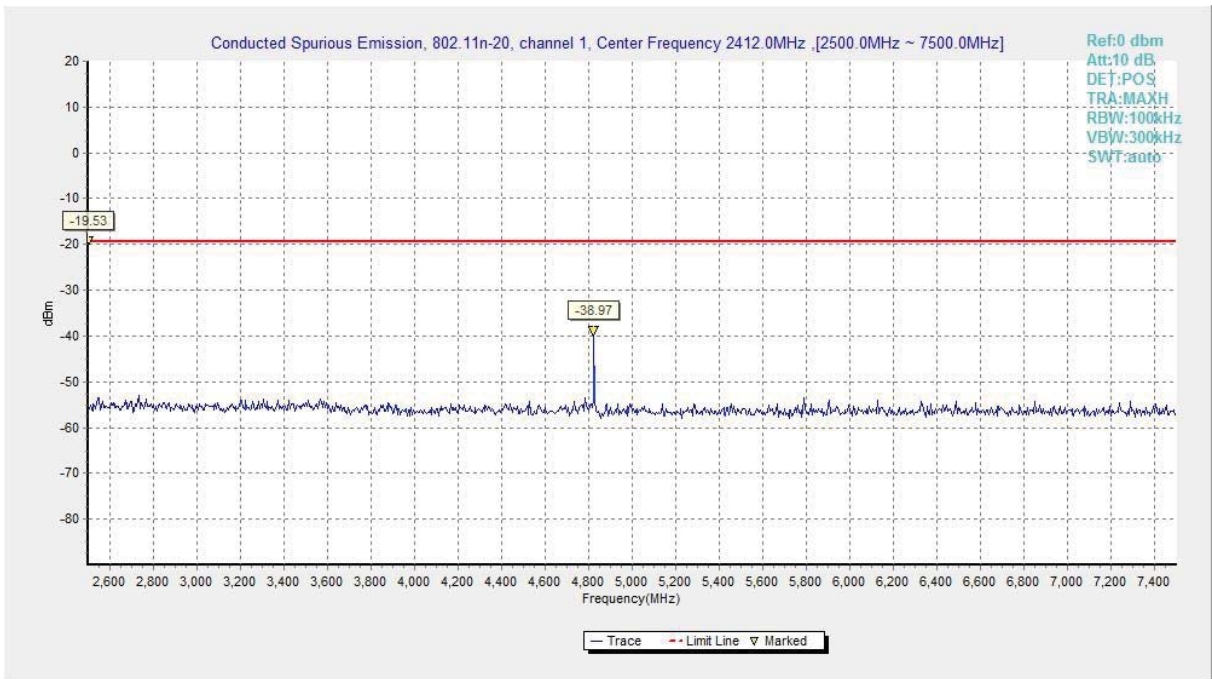


Fig. 100 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, 2.5 GHz-7.5 GHz)

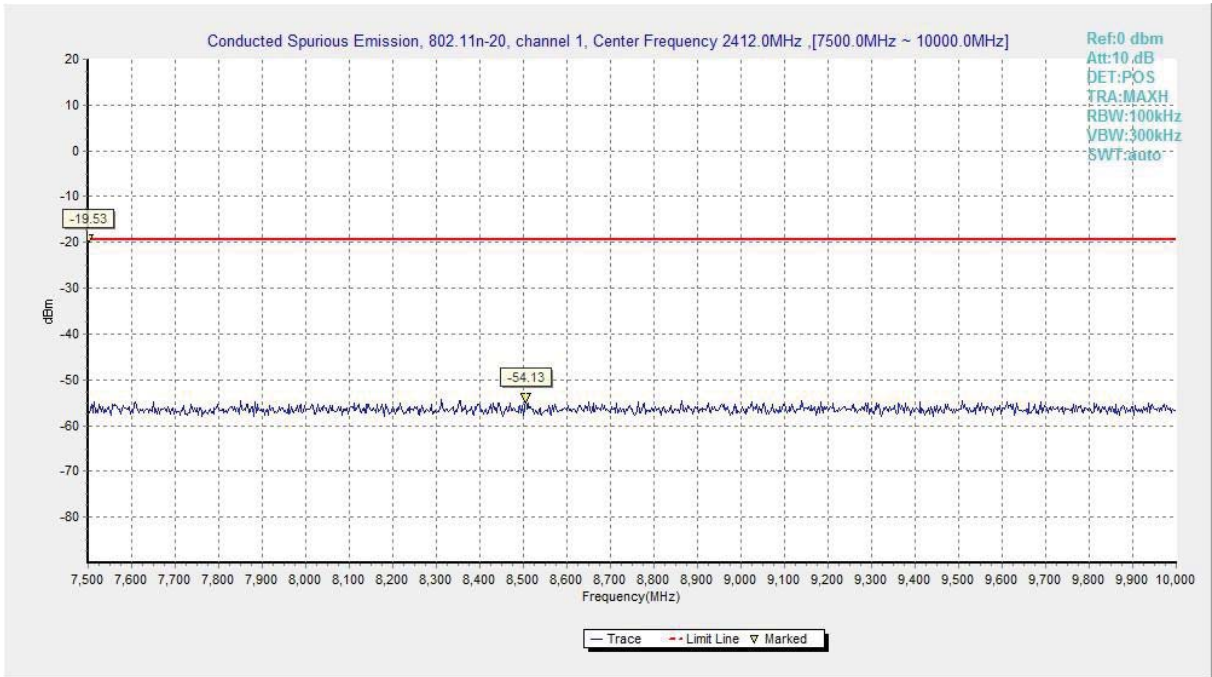


Fig. 101 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, 7.5 GHz-10 GHz)

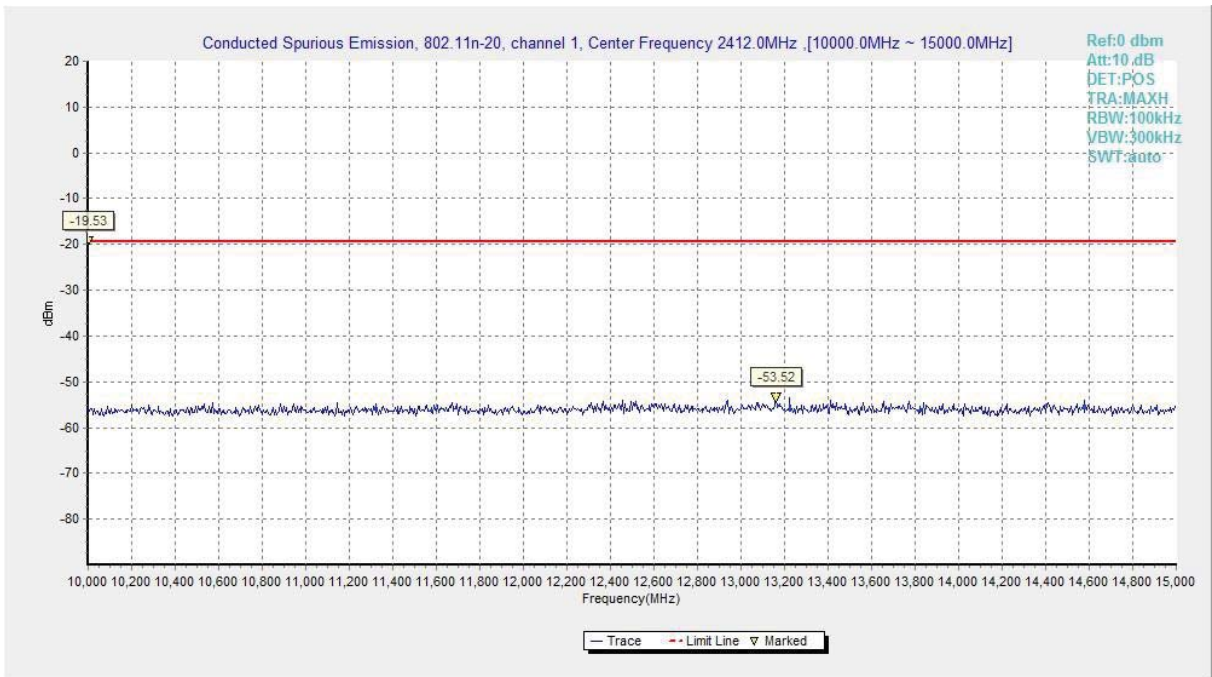


Fig. 102 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, 10 GHz-15 GHz)

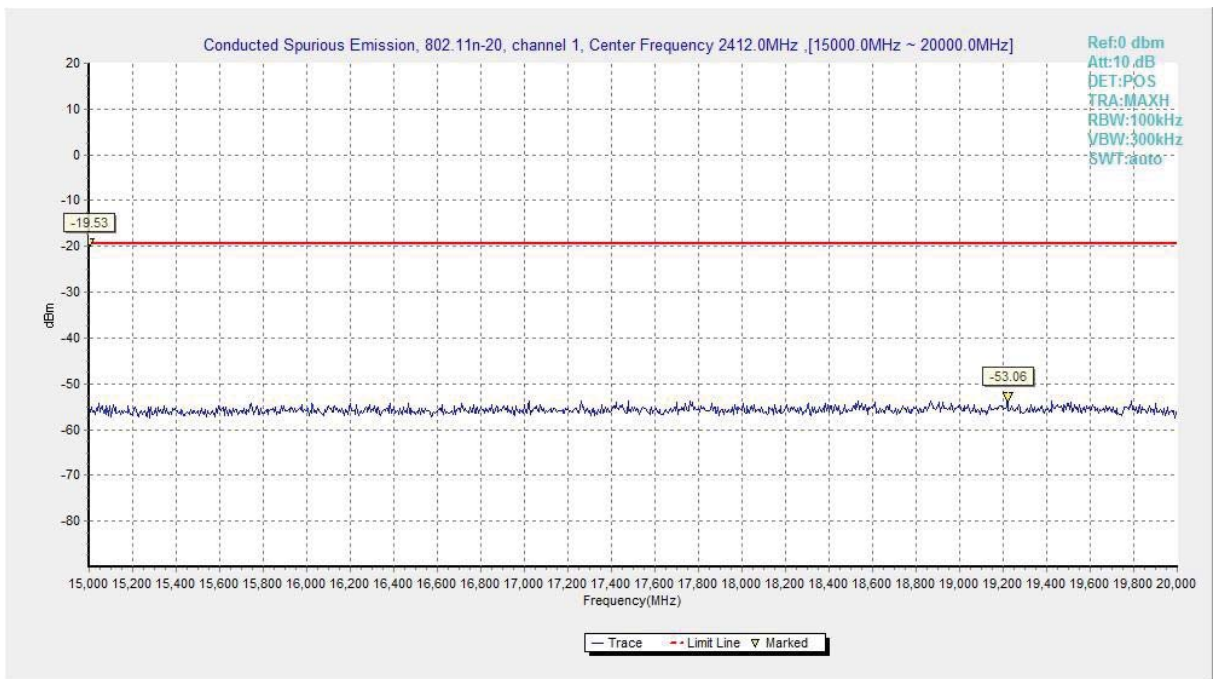


Fig. 103 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, 15 GHz-20 GHz)

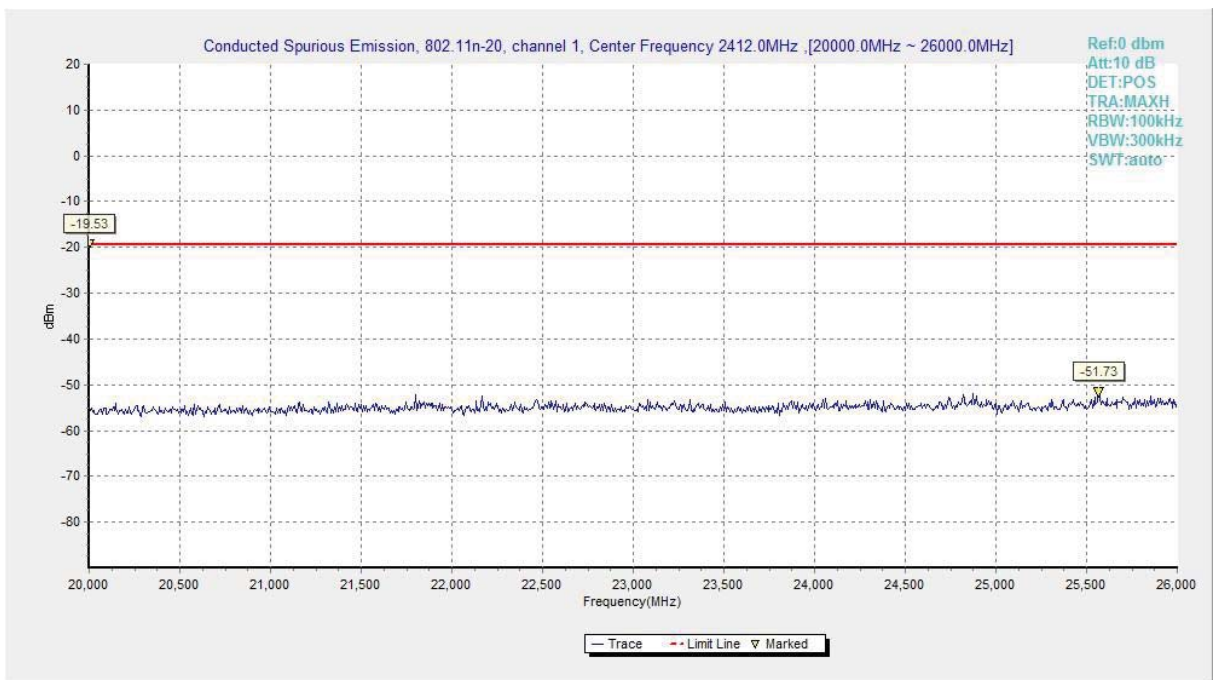


Fig. 104 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch1, 20 GHz-26 GHz)

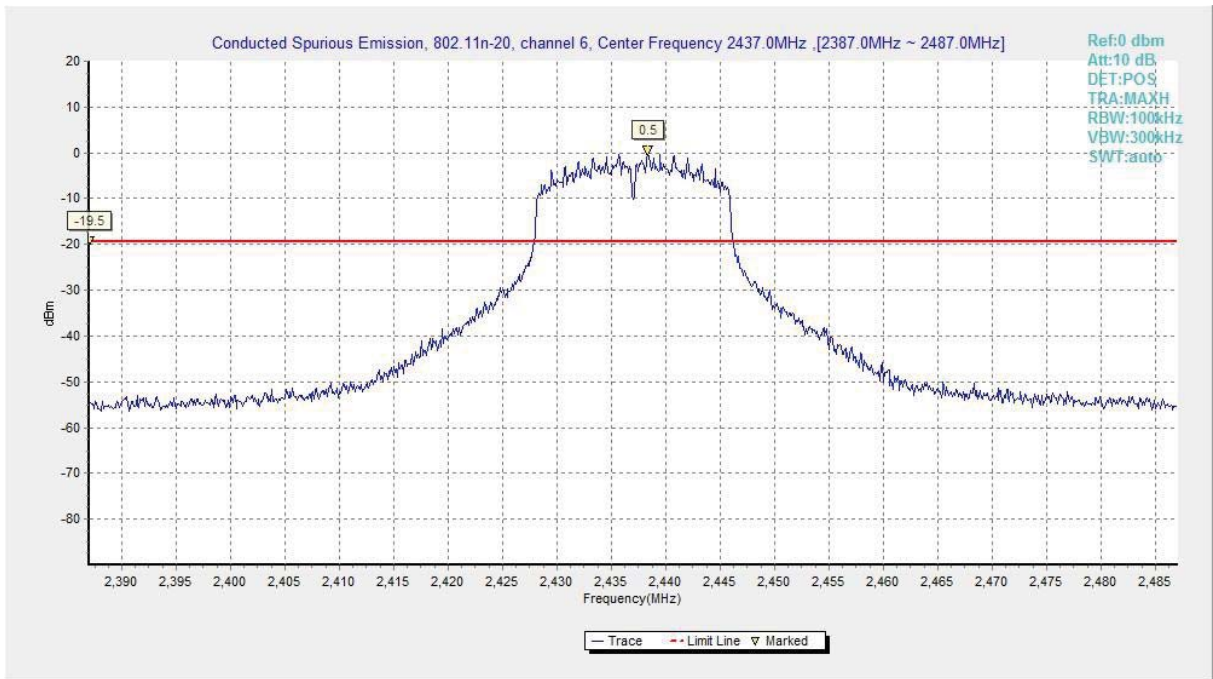


Fig. 105 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, Center Frequency)

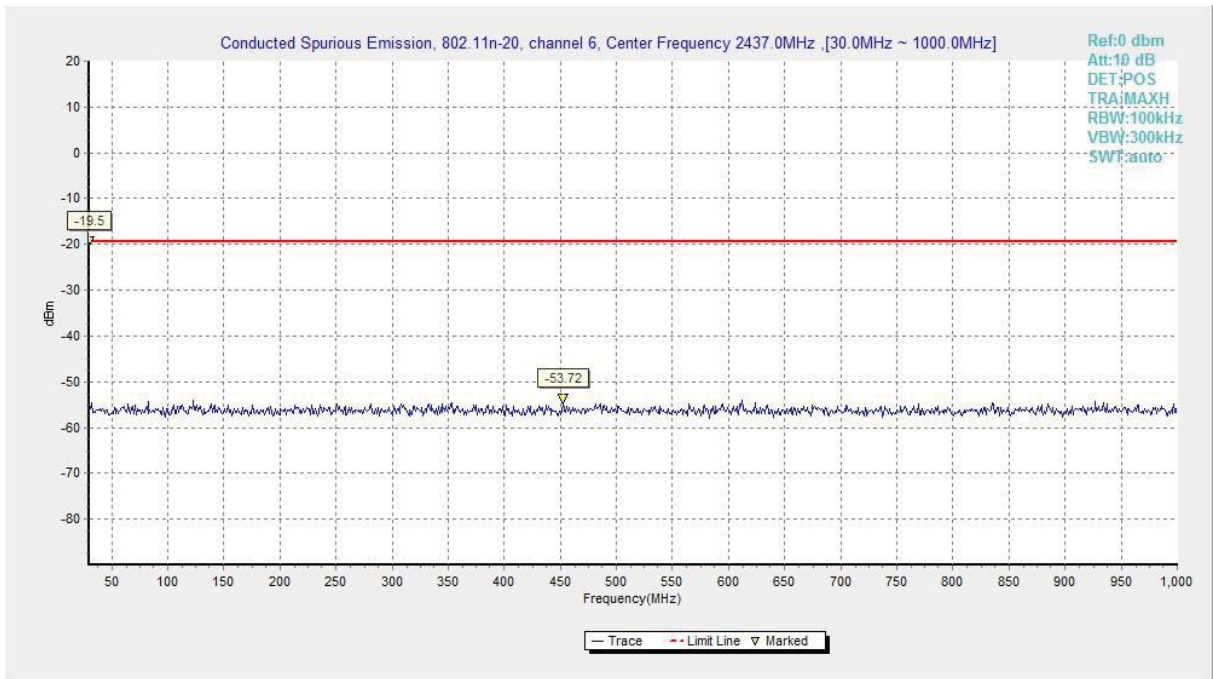


Fig. 106 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, 30 MHz-1 GHz)

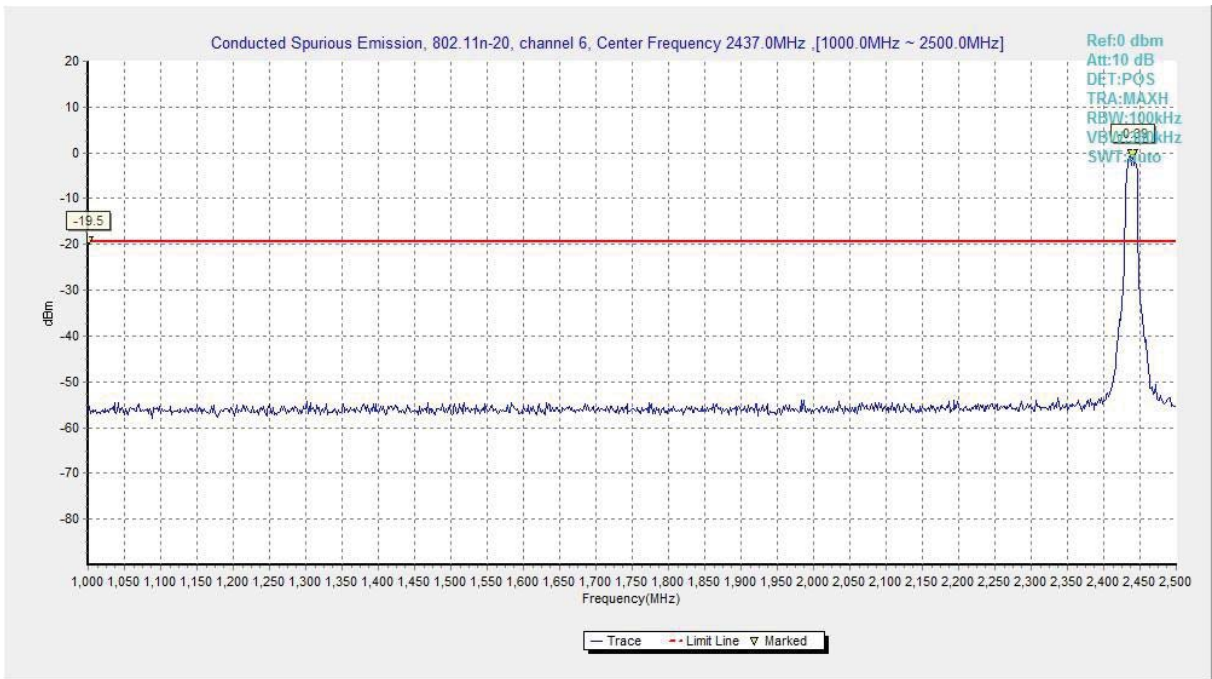


Fig. 107 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, 1 GHz-2.5 GHz)

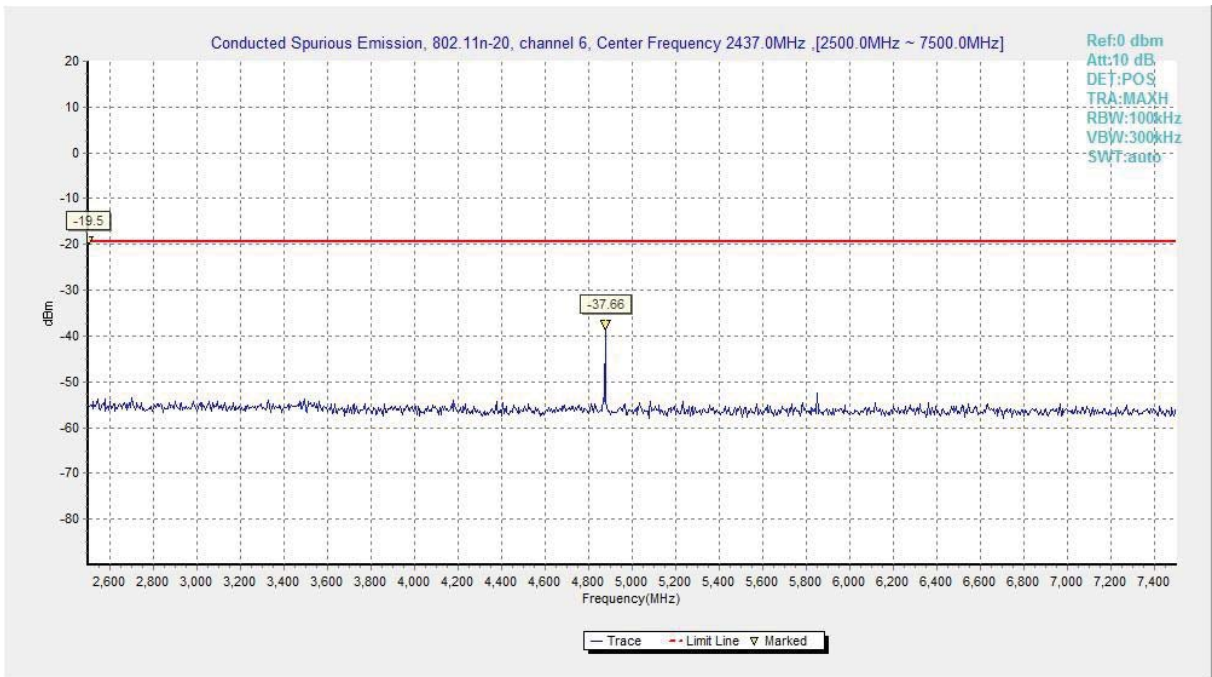


Fig. 108 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, 2.5 GHz-7.5 GHz)

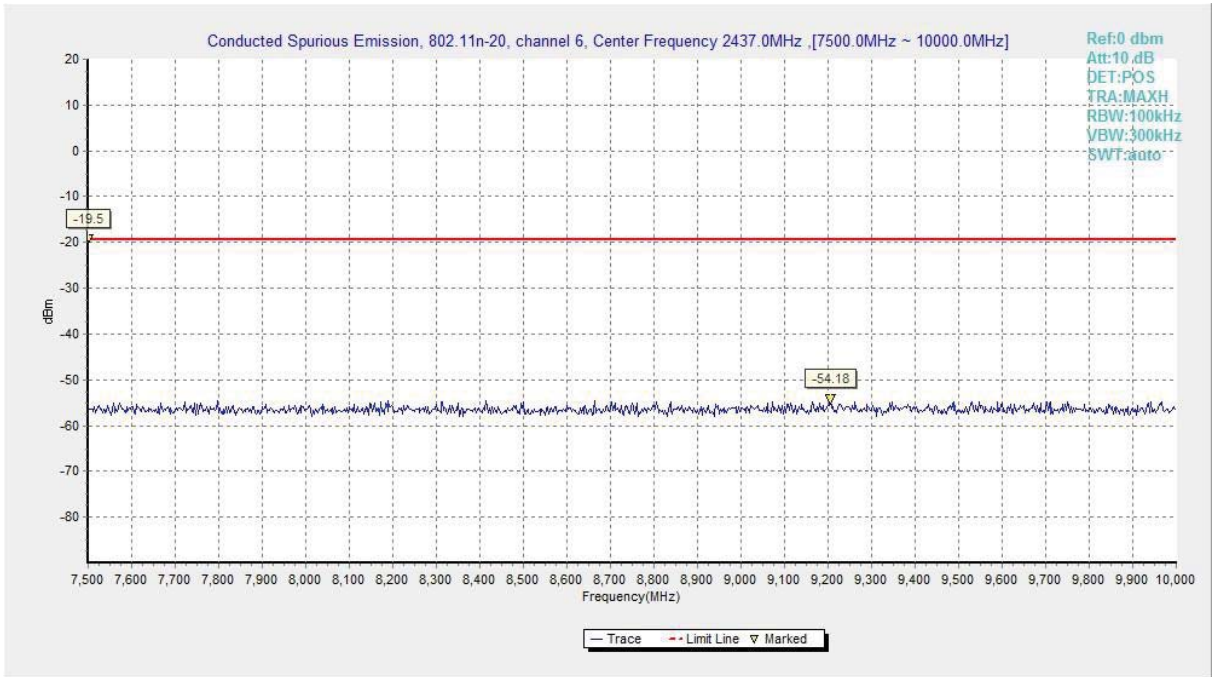


Fig. 109 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, 7.5 GHz-10 GHz)

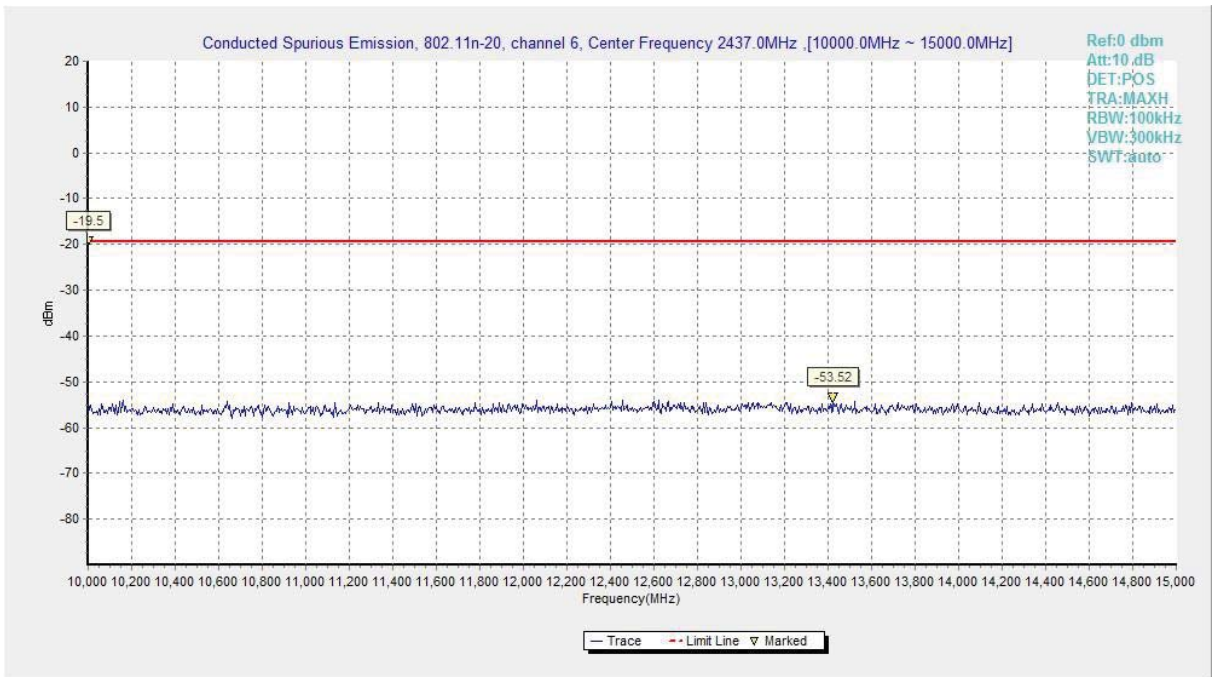


Fig. 110 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, 10 GHz-15 GHz)

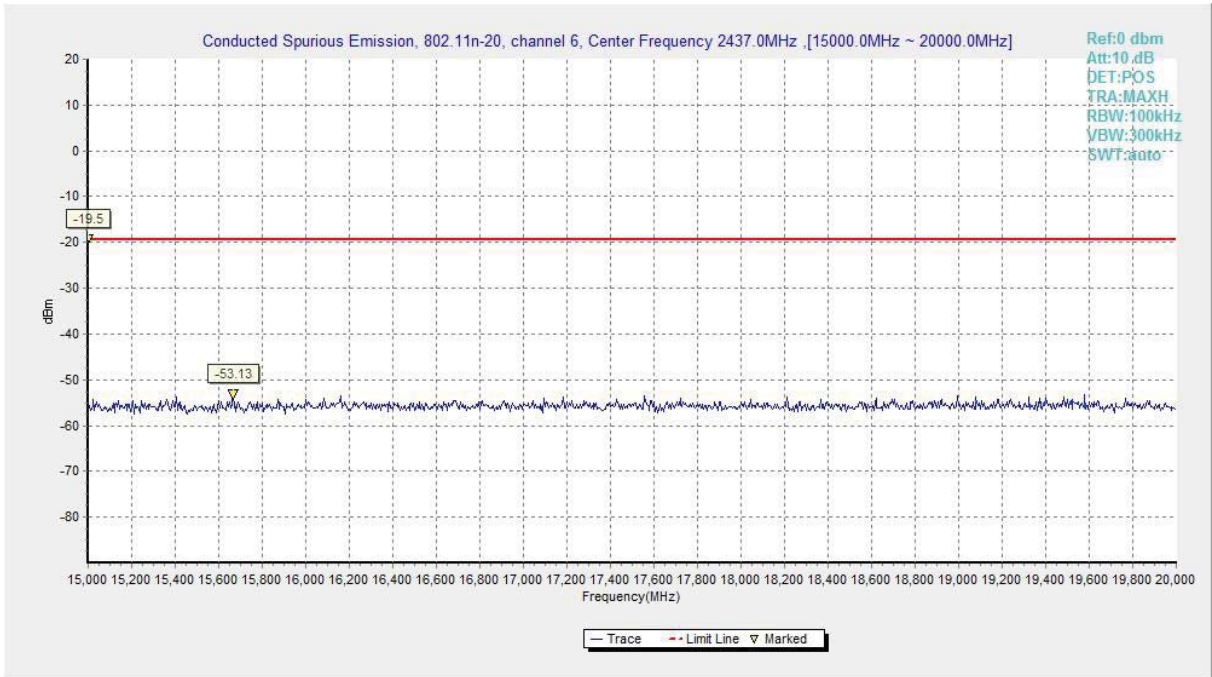


Fig. 111 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, 15 GHz-20 GHz)

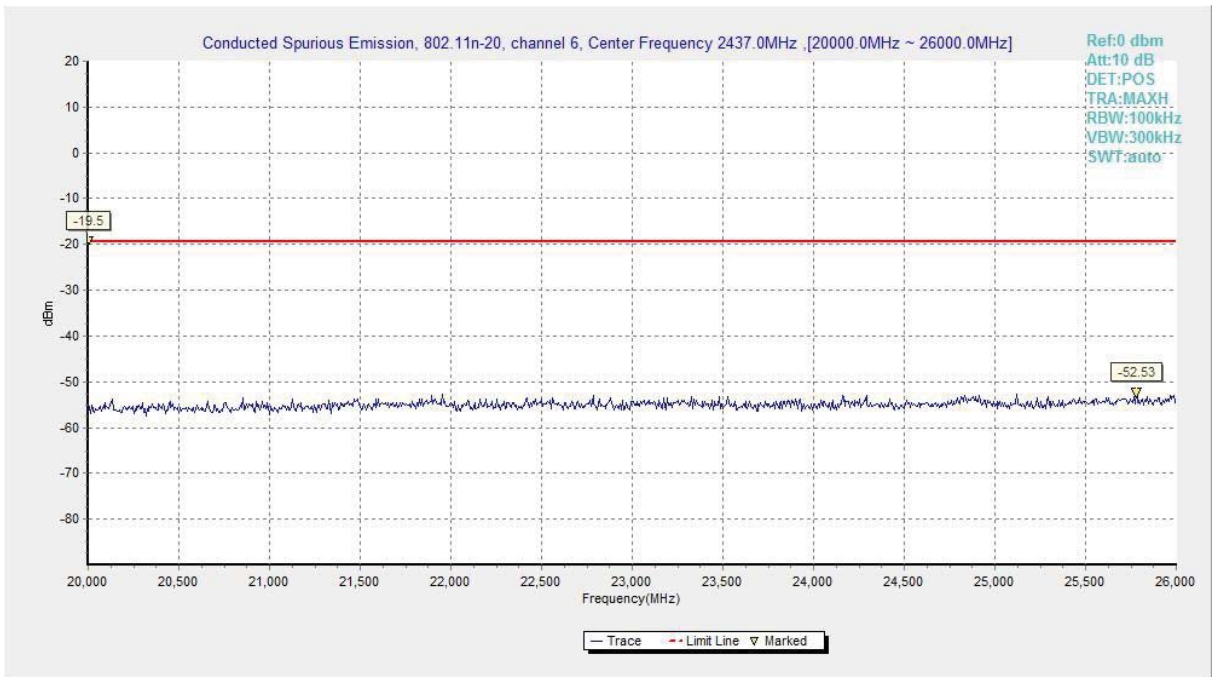


Fig. 112 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch6, 20 GHz-26 GHz)

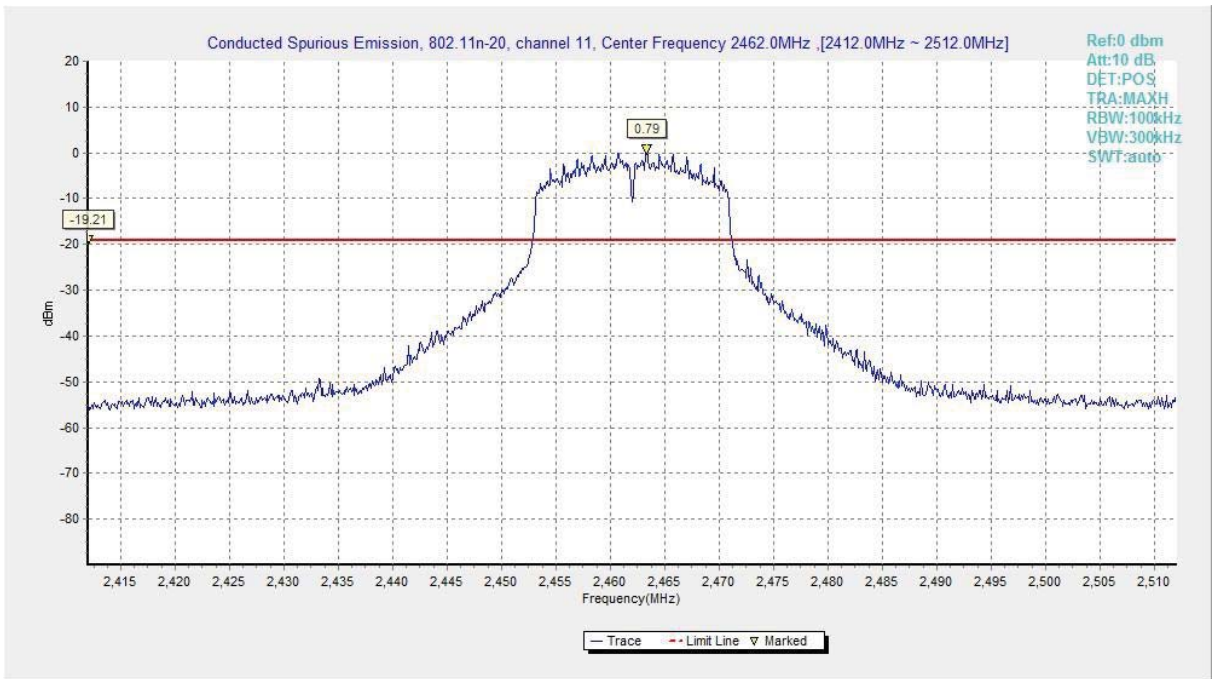


Fig. 113 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch11, Center Frequency)

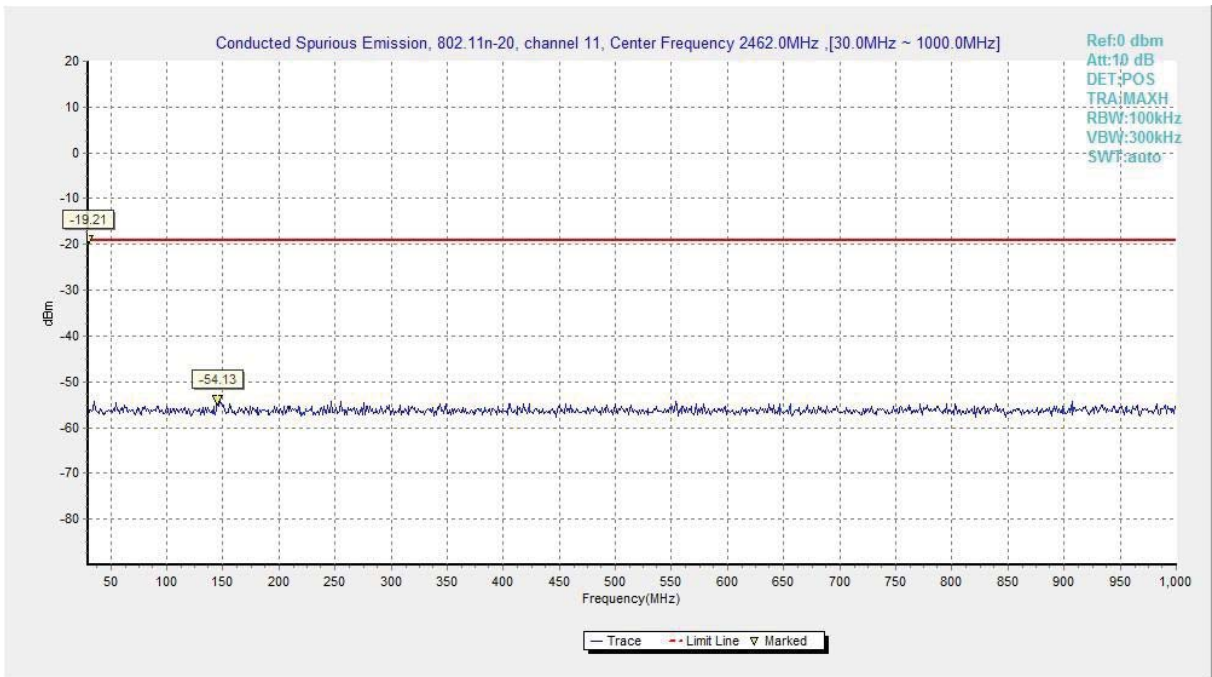


Fig. 114 Conducted Spurious Emission (802.11n-HT20, Ch11, Antenna 2, 30 MHz-1 GHz)

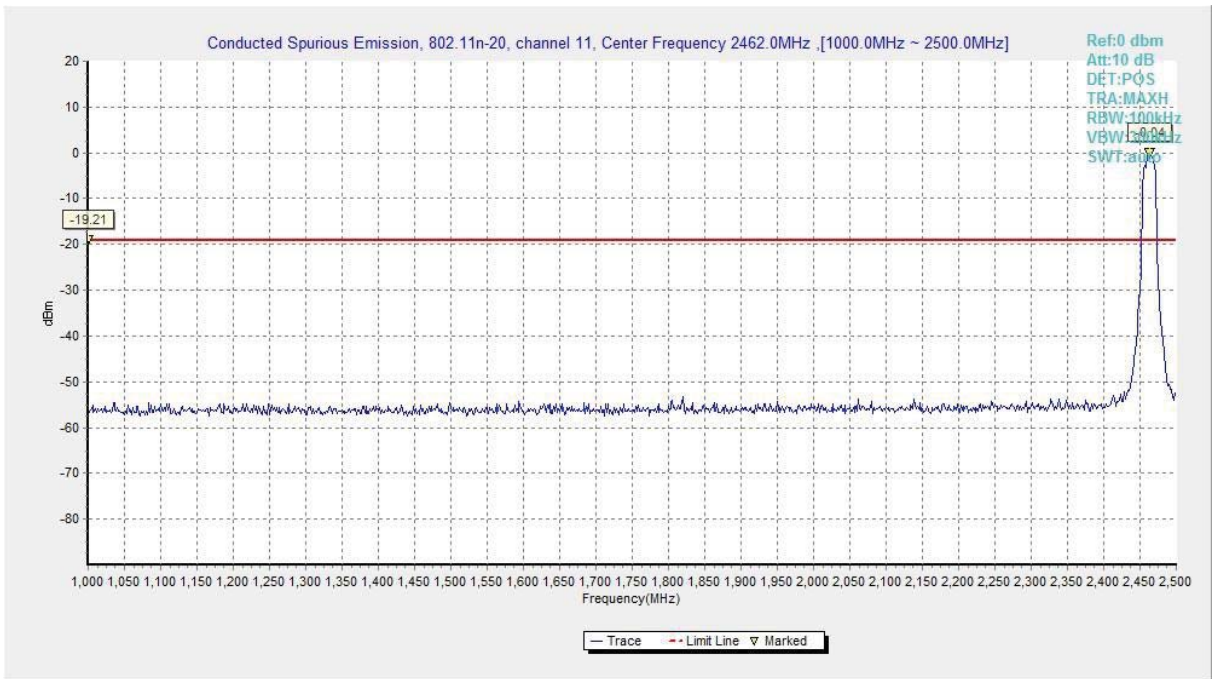


Fig. 115 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch11, 1 GHz-2.5 GHz)

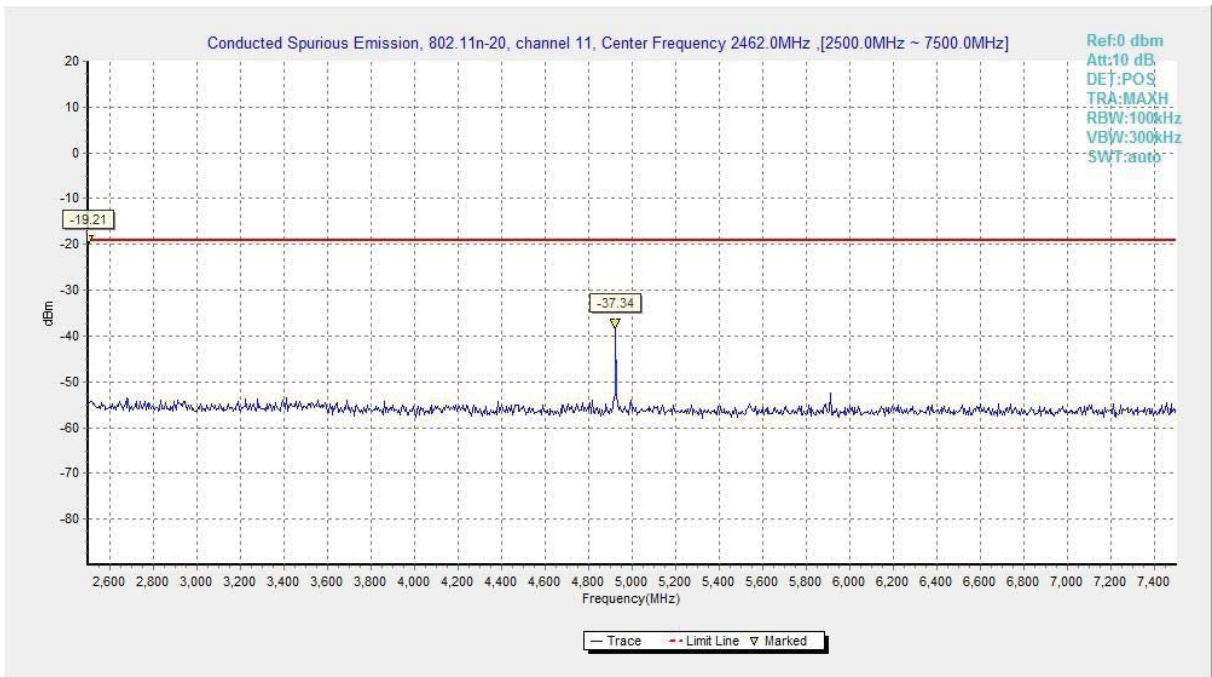


Fig. 116 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch11, 2.5 GHz-7.5 GHz)

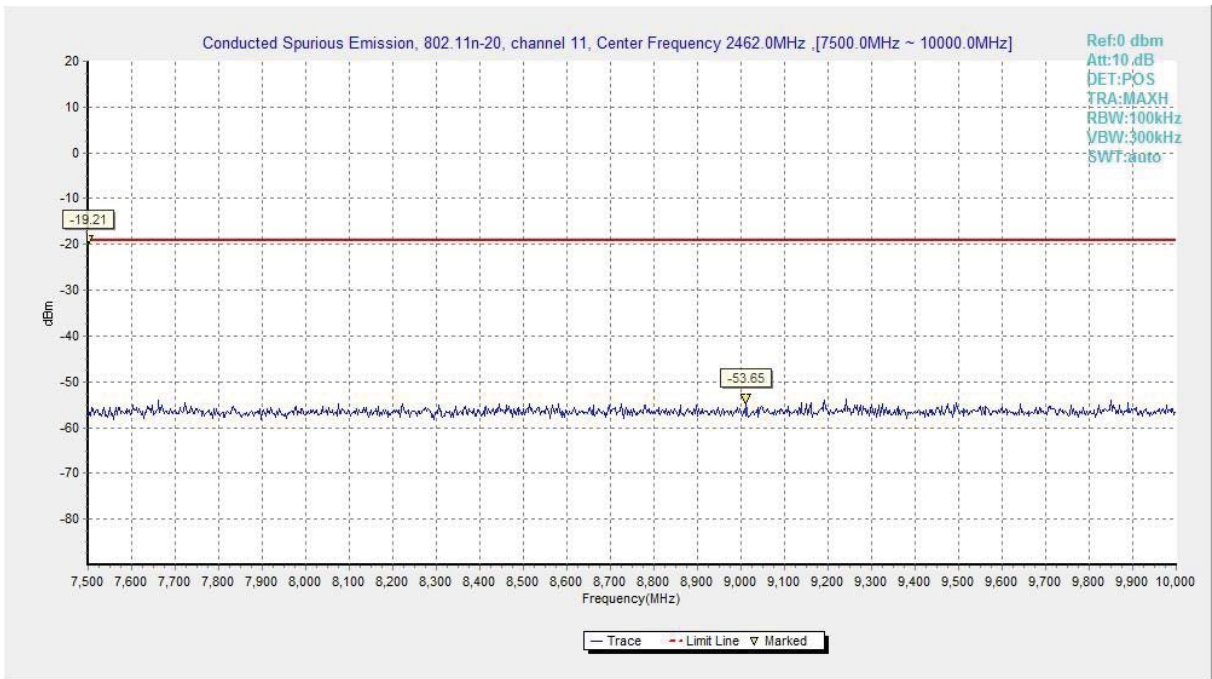


Fig. 117 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch11, 7.5 GHz-10 GHz)

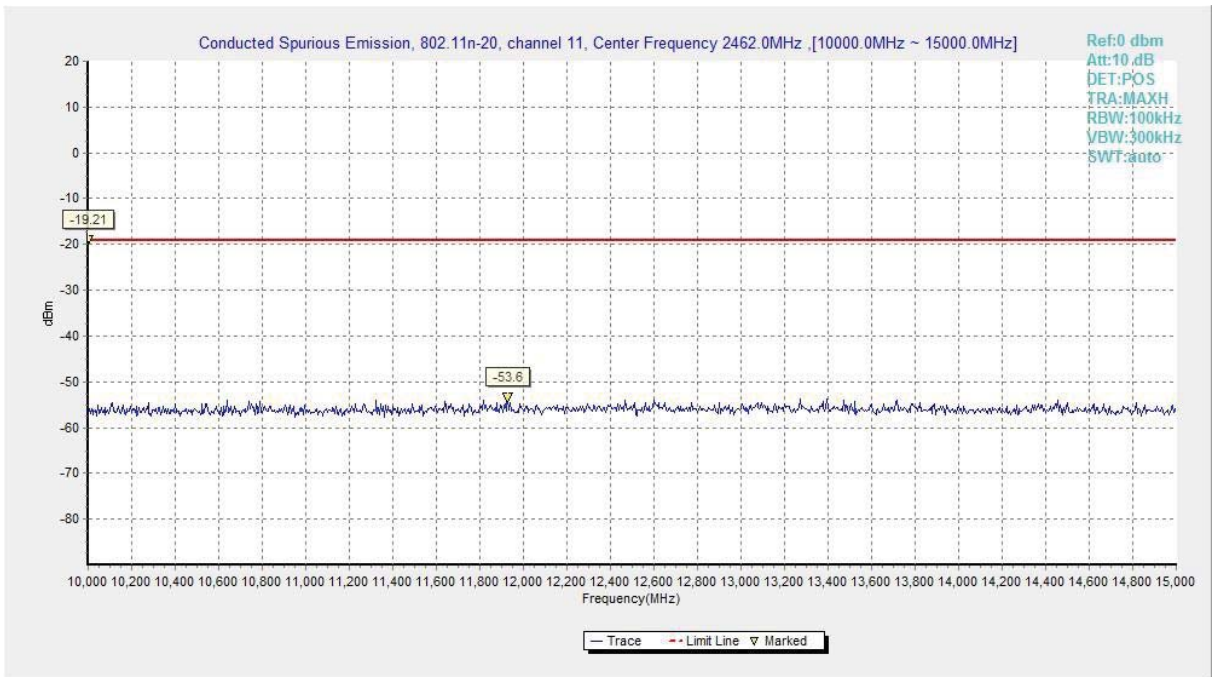


Fig. 118 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch11, 10 GHz-15 GHz)

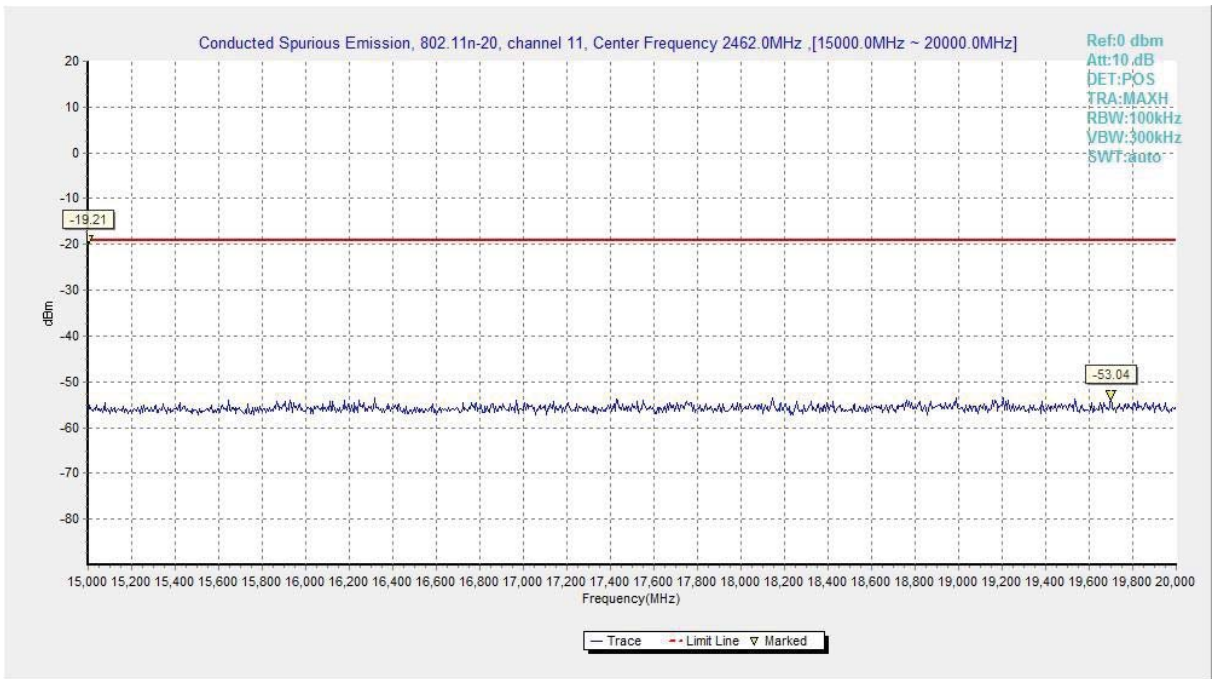


Fig. 119 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch11, 15 GHz-20 GHz)

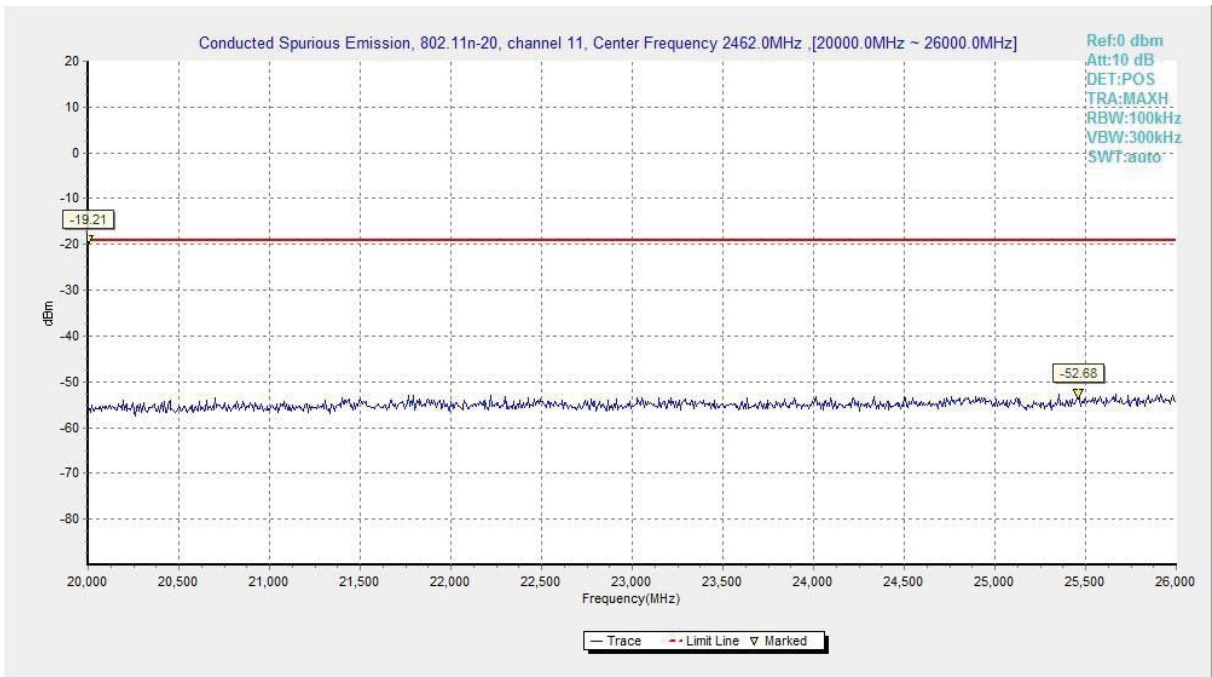


Fig. 120 Conducted Spurious Emission (802.11n-HT20, Antenna 2, Ch11, 20 GHz-26 GHz)

A.7.2 Transmitter Spurious Emission - Radiated

Limit in restricted band:

Measurement Results:

Mode	Channel	Frequency Range	Test Results	Conclusion	
802.11b	Power	2.38GHz ~2.45GHz	Fig.121	P	
	1	30 MHz ~1 GHz	Fig.122	P	
		1 GHz ~ 3 GHz	Fig.123	P	
		3 GHz ~ 18 GHz	Fig.124	P	
	6	30 MHz ~1 GHz	Fig.125	P	
		1 GHz ~ 3 GHz	Fig.126	P	
		3 GHz ~ 18 GHz	Fig.127	P	
	Power	2.45GHz ~2.5GHz	Fig.128	P	
	11	30 MHz ~1 GHz	Fig.129	P	
		1 GHz ~ 3 GHz	Fig.130	P	
		3 GHz ~ 18 GHz	Fig.131	P	
	802.11g	Power	2.38GHz ~2.45GHz	Fig.132	P
		1	30 MHz ~1 GHz	Fig.133	P
1 GHz ~ 3 GHz			Fig.134	P	
3 GHz ~ 18 GHz			Fig.135	P	
6		30 MHz ~1 GHz	Fig.136	P	
		1 GHz ~ 3 GHz	Fig.137	P	
		3 GHz ~ 18 GHz	Fig.138	P	
Power		2.45GHz~2.5GHz	Fig.139	P	
11		30 MHz ~1 GHz	Fig.140	P	
		1 GHz ~ 3 GHz	Fig.141	P	
		3 GHz ~ 18 GHz	Fig.142	P	

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n- Antenna 1	Power	2.38GHz ~2.45GHz	Fig.143	P
	1	30 MHz ~1 GHz	Fig.144	P
		1 GHz ~ 3 GHz	Fig.145	P
		3 GHz ~ 18 GHz	Fig.146	P
	6	30 MHz ~1 GHz	Fig.147	P
		1 GHz ~ 3 GHz	Fig.148	P
		3 GHz ~ 18 GHz	Fig.149	P
	Power	2.45GHz~2.5GHz	Fig.150	P
	11	30 MHz ~1 GHz	Fig.151	P
		1 GHz ~ 3 GHz	Fig.152	P
		3 GHz ~ 18 GHz	Fig.153	P
	802.11n- Antenna 2	Power	2.38GHz ~2.45GHz	Fig.154
1		30 MHz ~1 GHz	Fig.155	P
		1 GHz ~ 3 GHz	Fig.156	P
		3 GHz ~ 18 GHz	Fig.157	P
6		30 MHz ~1 GHz	Fig.158	P
		1 GHz ~ 3 GHz	Fig.159	P
		3 GHz ~ 18 GHz	Fig.160	P
Power		2.45GHz~2.5GHz	Fig.161	P
11		30 MHz ~1 GHz	Fig.162	P
		1 GHz ~ 3 GHz	Fig.163	P
		3 GHz ~ 18 GHz	Fig.164	P
/		All channels	18 GHz~ 26.5 GHz	Fig.165

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:

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

These recorded emissions around 21GHz are highest noise floor levels since no higher spurious emission is detected.

802.11b

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17560.500	58.4	-25.3	42.3	41.437	HORIZONTAL
17478.750	57.8	-25.3	43.0	40.057	HORIZONTAL
17932.500	57.8	-25.2	42.4	40.638	HORIZONTAL
17821.500	57.7	-25.2	42.9	39.988	VERTICAL
17620.500	57.7	-25.3	42.8	40.237	VERTICAL
17731.500	57.7	-25.4	42.1	41.051	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17464.500	57.9	-25.3	42.6	40.597	HORIZONTAL
17445.750	57.8	-26.3	42.7	41.377	HORIZONTAL
17547.000	57.7	-25.3	42.9	40.067	VERTICAL
17521.500	57.6	-25.3	42.8	40.127	HORIZONTAL
17967.000	57.4	-25.2	42.7	39.928	VERTICAL
17940.750	57.4	-25.2	42.4	40.238	VERTICAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17508.750	58.7	-25.3	42.8	41.227	VERTICAL
17469.750	58.1	-25.3	42.6	40.797	VERTICAL
17516.250	58.0	-25.3	42.8	40.527	HORIZONTAL
17556.000	58.0	-25.3	42.3	41.037	VERTICAL
17475.750	58.0	-25.3	43.0	40.257	HORIZONTAL
17577.750	57.7	-25.3	42.7	40.287	HORIZONTAL

802.11g

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17544.750	57.7	-25.3	42.9	40.067	VERTICAL
17454.000	57.6	-26.3	42.6	41.317	HORIZONTAL
17421.750	57.5	-26.3	42.7	41.107	VERTICAL
17937.750	57.4	-25.2	42.4	40.238	VERTICAL
17594.250	57.4	-25.3	42.7	39.987	HORIZONTAL
17358.750	57.3	-26.3	43.0	40.647	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17466.750	58.5	-25.3	42.6	41.197	VERTICAL
17467.500	58.2	-25.3	42.6	40.897	VERTICAL
17484.750	58.0	-25.3	43.0	40.257	VERTICAL
17740.500	57.9	-25.4	42.1	41.251	HORIZONTAL
17978.250	57.8	-25.2	42.3	40.768	VERTICAL
17610.000	57.8	-25.3	42.8	40.337	VERTICAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17549.250	57.7	-25.3	42.9	40.067	VERTICAL
17658.750	57.6	-25.4	42.7	40.361	VERTICAL
17127.750	57.5	-26.4	42.2	41.650	HORIZONTAL
17499.750	57.4	-25.3	43.0	39.657	VERTICAL
17423.250	57.3	-26.3	42.7	40.907	HORIZONTAL
17688.000	57.3	-25.4	42.3	40.391	VERTICAL

802.11n-HT20, Antenna1

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17794.500	57.9	-25.4	42.0	41.381	HORIZONTAL
17453.250	57.7	-26.3	42.6	41.417	HORIZONTAL
17968.500	57.6	-25.2	42.7	40.128	VERTICAL
17367.750	57.4	-26.3	43.0	40.747	HORIZONTAL
17481.000	57.3	-25.3	43.0	39.557	VERTICAL
17836.500	57.3	-25.2	42.3	40.218	VERTICAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17697.750	57.6	-25.4	42.3	40.691	HORIZONTAL
17702.250	57.6	-25.4	42.8	40.201	HORIZONTAL
17500.500	57.5	-25.3	42.8	40.027	HORIZONTAL
17515.500	57.5	-25.3	42.8	40.027	HORIZONTAL
16941.750	57.4	-26.4	43.3	40.421	VERTICAL
17519.250	57.4	-25.3	42.8	39.927	VERTICAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17597.250	58.1	-25.3	42.7	40.687	HORIZONTAL
17765.250	57.6	-25.4	42.2	40.861	HORIZONTAL
17504.250	57.3	-25.3	42.8	39.827	HORIZONTAL
17520.000	57.2	-25.3	42.8	39.727	HORIZONTAL
17487.000	57.2	-25.3	43.0	39.457	VERTICAL
17522.250	57.1	-25.3	42.8	39.627	HORIZONTAL

802.11n-HT20, Antenna2

Ch1

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17631.000	58.4	-25.3	42.7	41.027	HORIZONTAL
17470.500	57.8	-25.3	42.6	40.497	HORIZONTAL
17447.250	57.6	-26.3	42.7	41.177	HORIZONTAL
17441.250	57.5	-26.3	42.7	41.077	HORIZONTAL
17589.750	57.5	-25.3	42.7	40.087	HORIZONTAL
17648.250	57.5	-25.4	42.7	40.261	HORIZONTAL

Ch6

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17633.250	57.8	-25.4	42.7	40.561	HORIZONTAL
17528.250	57.6	-25.3	42.9	39.967	HORIZONTAL
17763.000	57.5	-25.4	42.2	40.761	VERTICAL
17933.250	57.5	-25.2	42.4	40.338	VERTICAL
17492.250	57.4	-25.3	43.0	39.657	VERTICAL
17502.750	57.3	-25.3	42.8	39.827	VERTICAL

Ch11

Frequency(MHz)	Result (dBuV/m)	Cable Loss(dB)	Antenna Factor	P _{Mea} (dBuV/m)	Polarization
17633.250	57.8	-25.4	42.7	40.561	HORIZONTAL
17528.250	57.6	-25.3	42.9	39.967	HORIZONTAL
17763.000	57.5	-25.4	42.2	40.761	VERTICAL
17933.250	57.5	-25.2	42.4	40.338	VERTICAL
17492.250	57.4	-25.3	43.0	39.657	VERTICAL
17502.750	57.3	-25.3	42.8	39.827	VERTICAL

Test graphs as below:

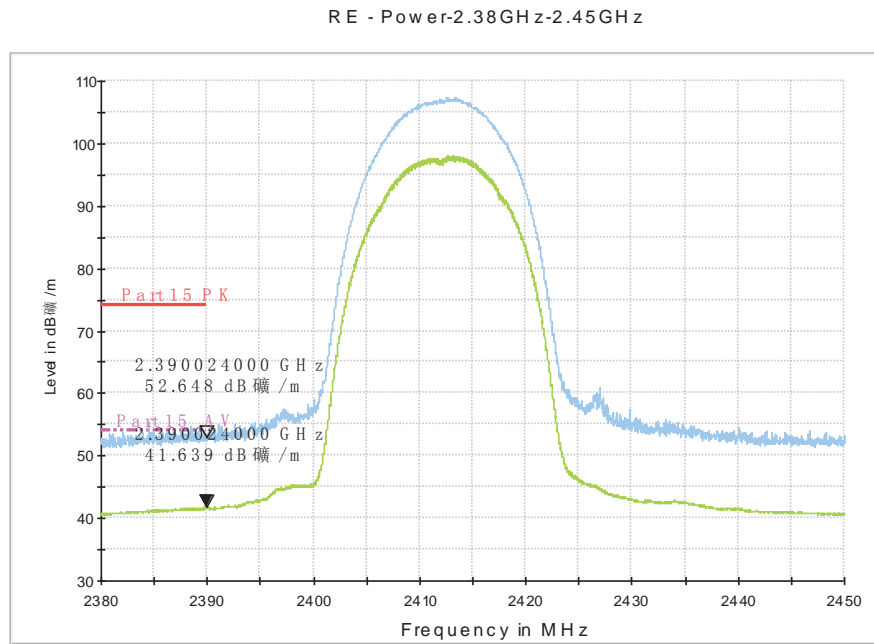


Fig. 121 Radiated Spurious Emission (Power): 802.11b, ch1, 2.38 GHz - 2.45GHz

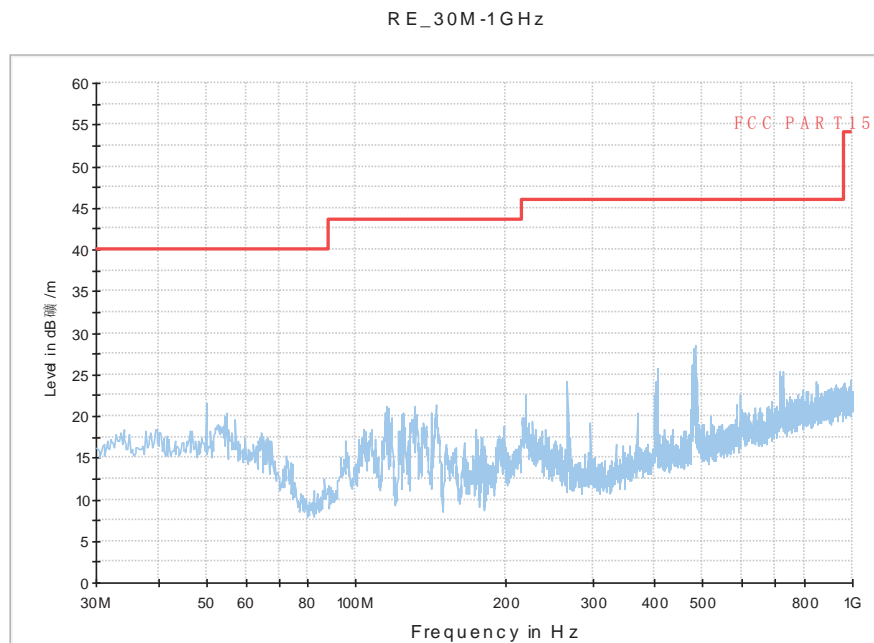


Fig. 122 Radiated Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)

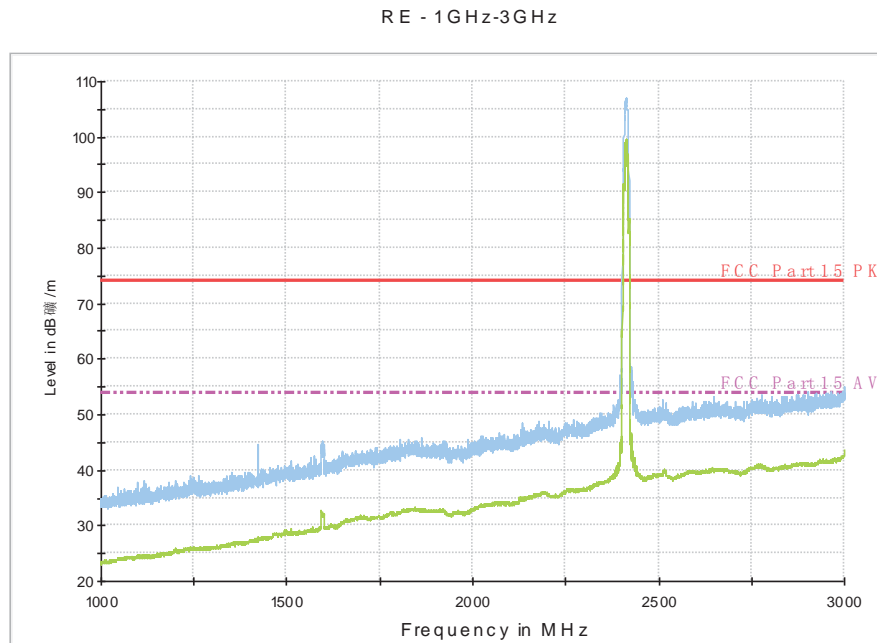


Fig. 123 Radiated Spurious Emission (802.11b, Ch1, 1 GHz-3 GHz)

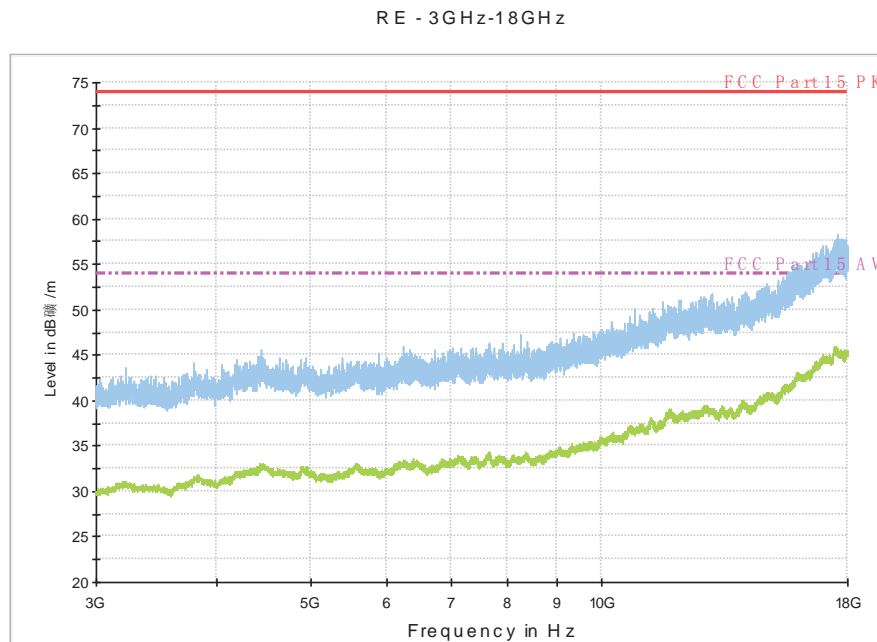


Fig. 124 Radiated Spurious Emission (802.11b, Ch1, 3 GHz-18 GHz)

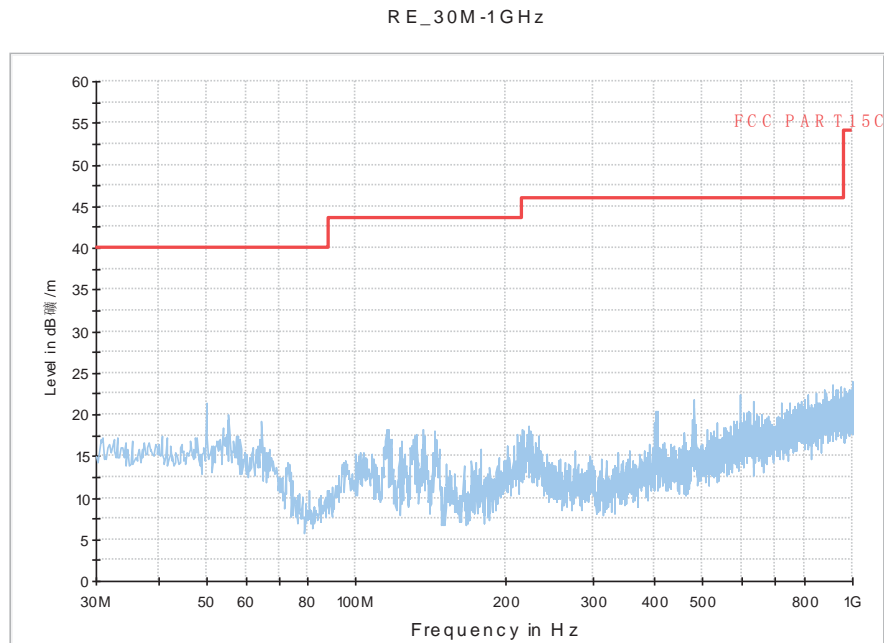


Fig. 125 Radiated Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)

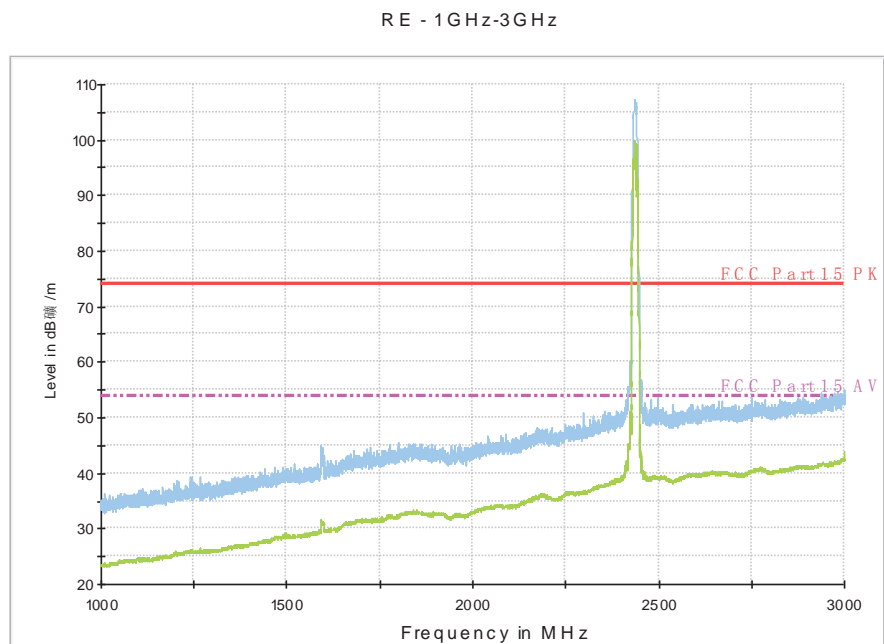


Fig. 126 Radiated Spurious Emission (802.11b, Ch6, 1 GHz-3 GHz)

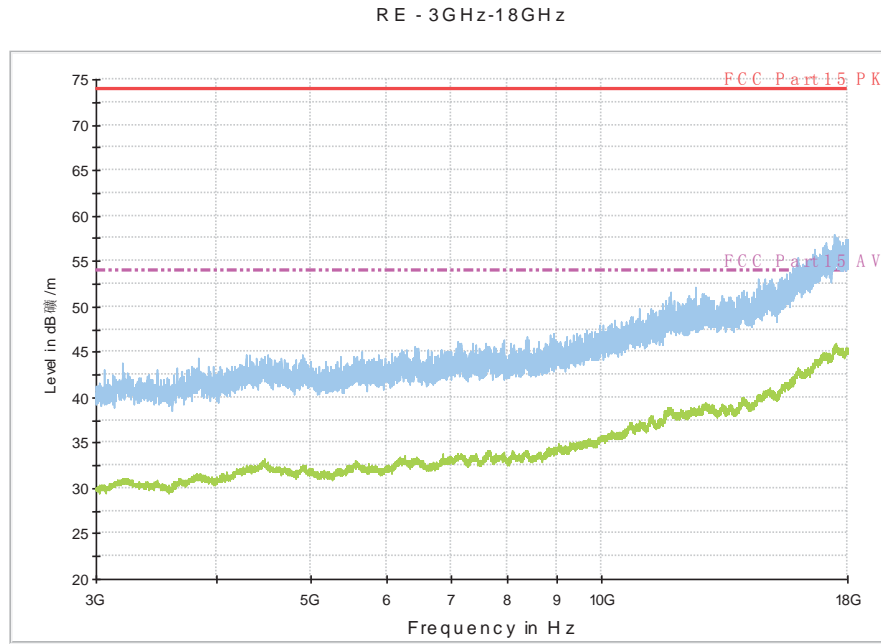


Fig. 127 Radiated Spurious Emission (802.11b, Ch6, 3 GHz-18 GHz)

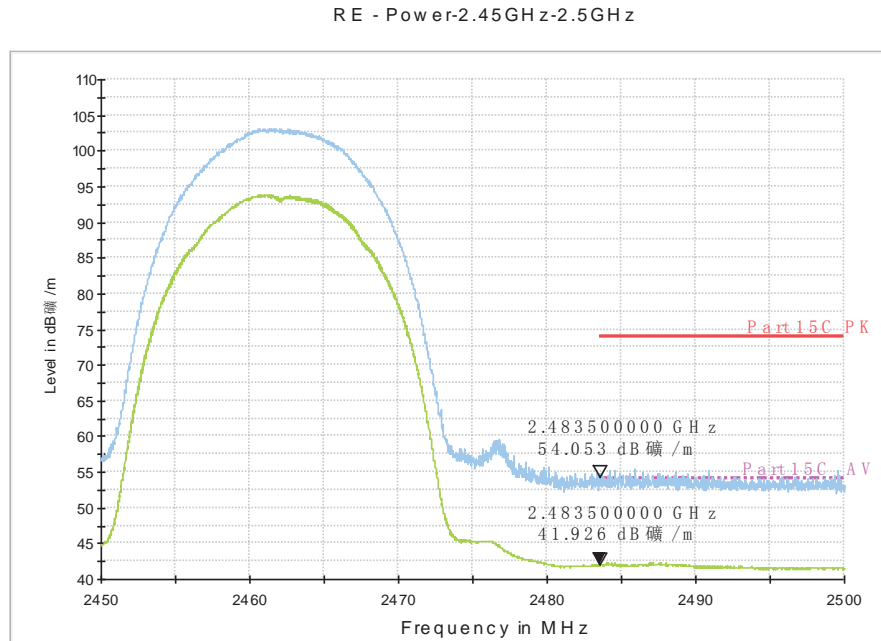


Fig. 128 Radiated Spurious Emission (Power): 802.11b, ch11, 2.45 GHz - 2.5GHz

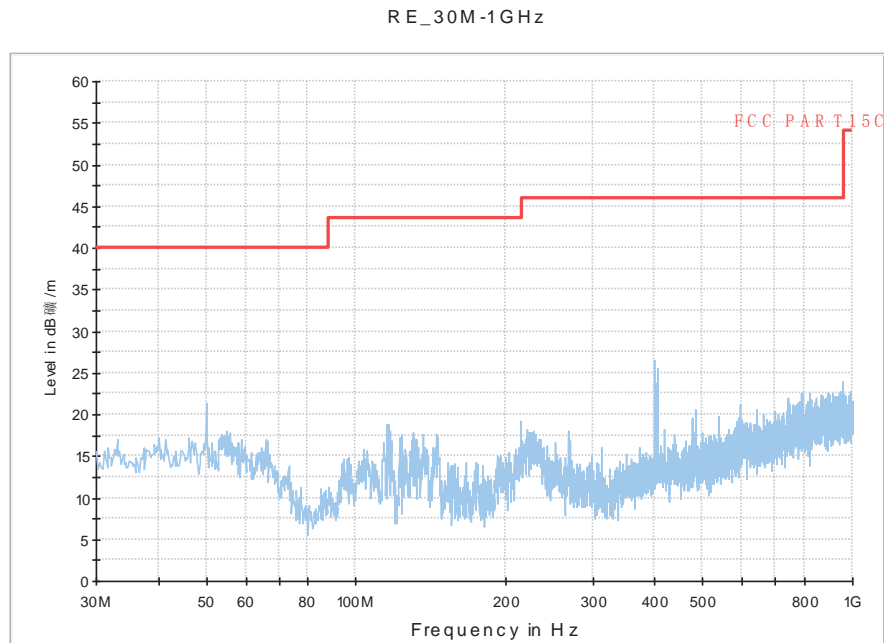


Fig. 129 Radiated Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)

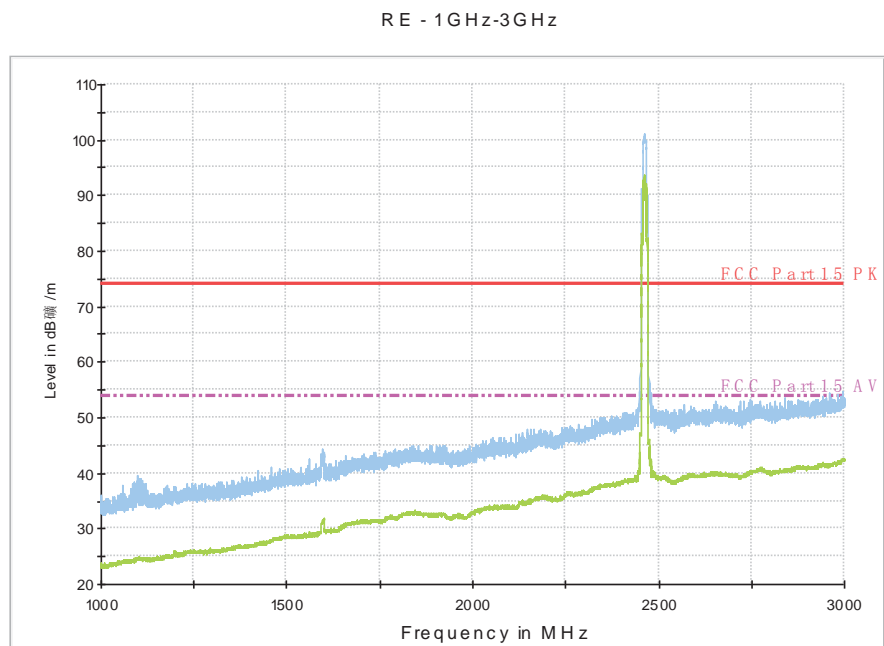


Fig. 130 Radiated Spurious Emission (802.11b, Ch11, 1 GHz-3 GHz)

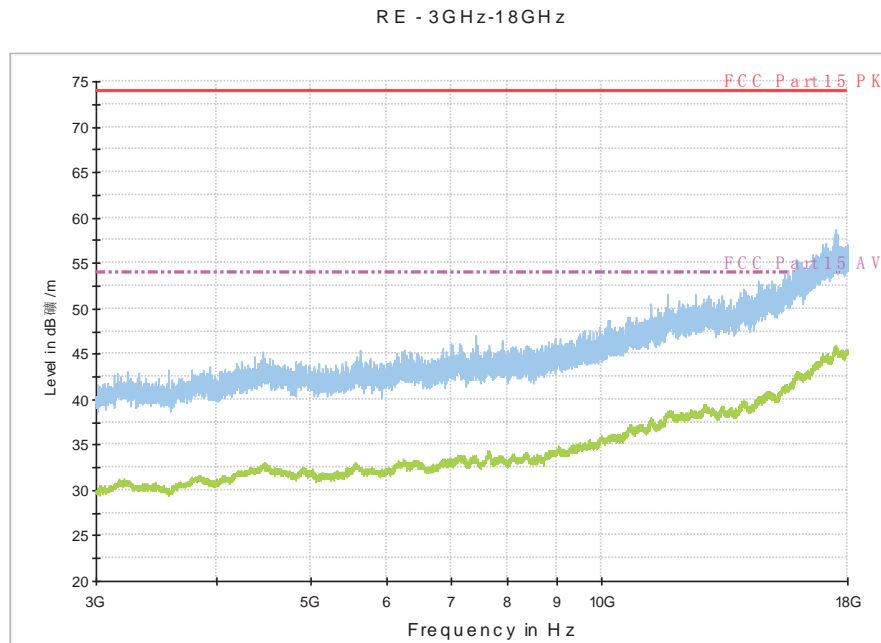


Fig. 131 Radiated Spurious Emission (802.11b, Ch11, 3 GHz-18 GHz)

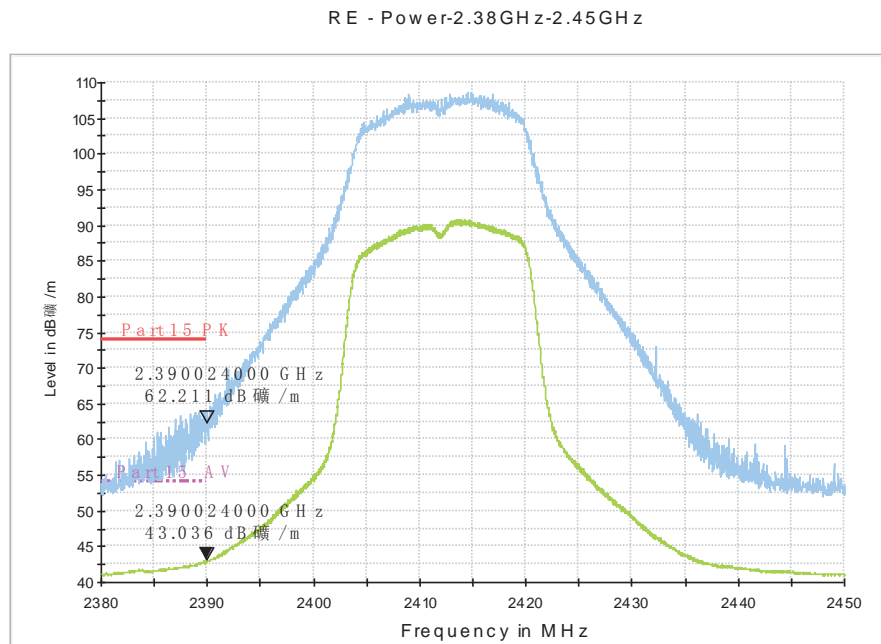


Fig. 132 Radiated Spurious Emission (Power): 802.11g, ch1, 2.38 GHz - 2.45GHz

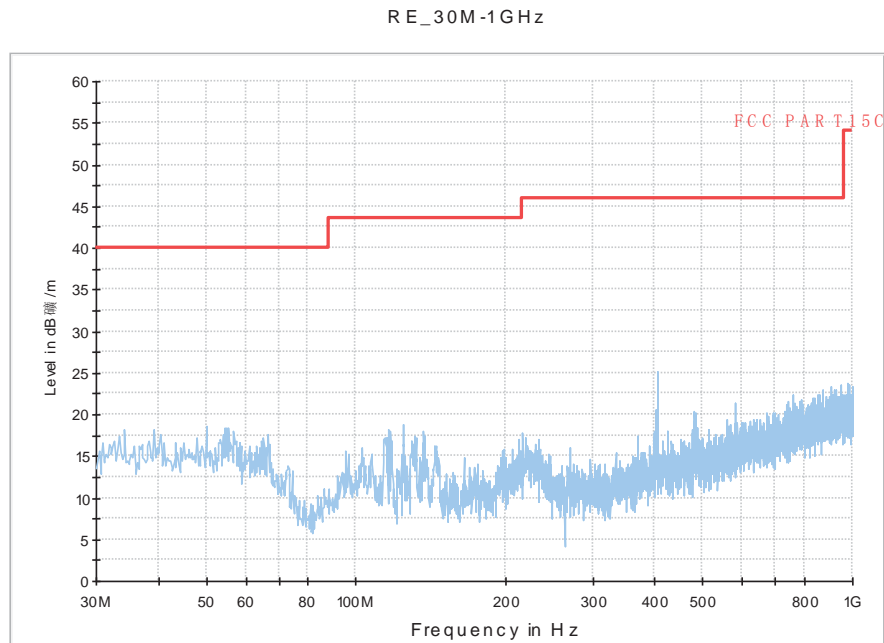


Fig. 133 Radiated Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)

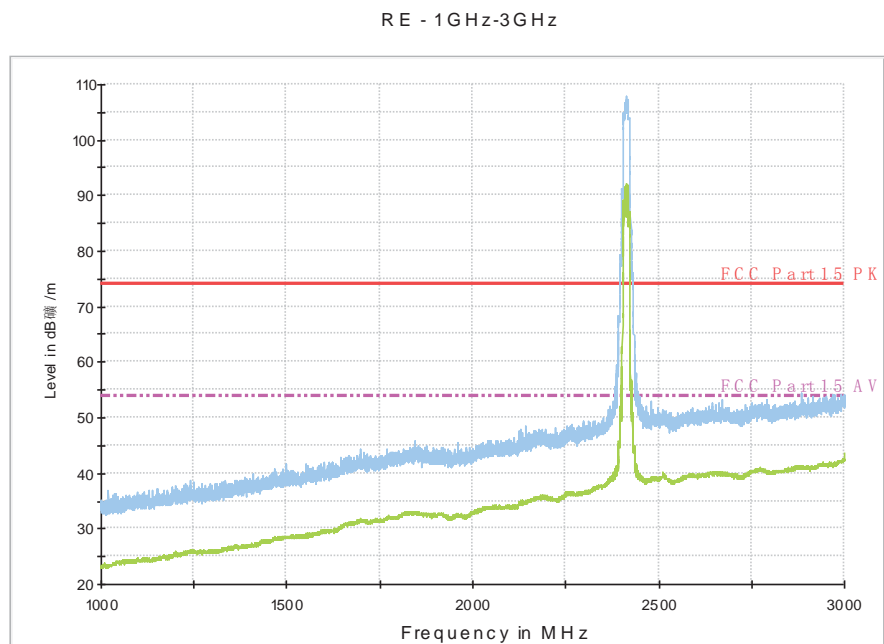


Fig. 134 Radiated Spurious Emission (802.11g, Ch1, 1 GHz-3 GHz)

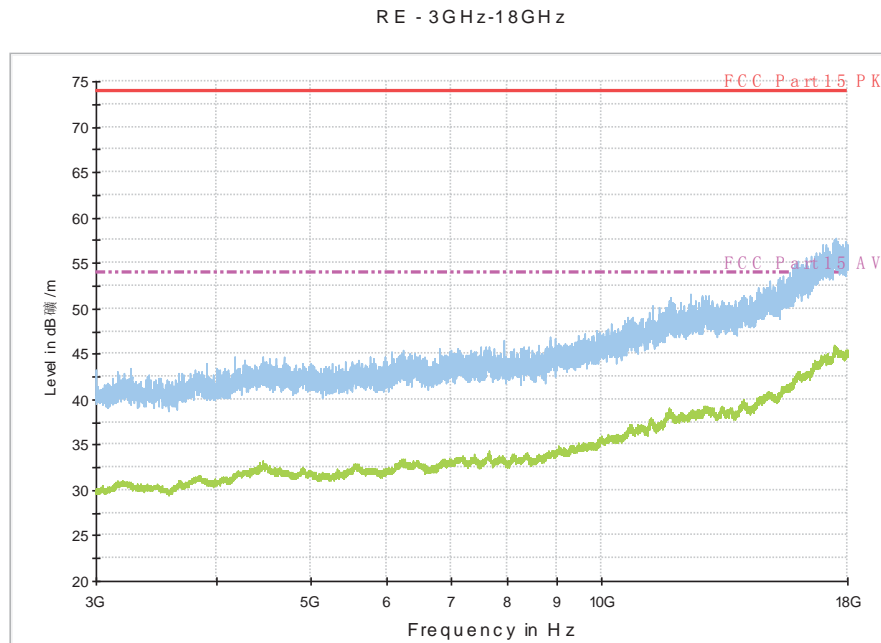


Fig. 135 Radiated Spurious Emission (802.11g, Ch1, 3 GHz-18 GHz)

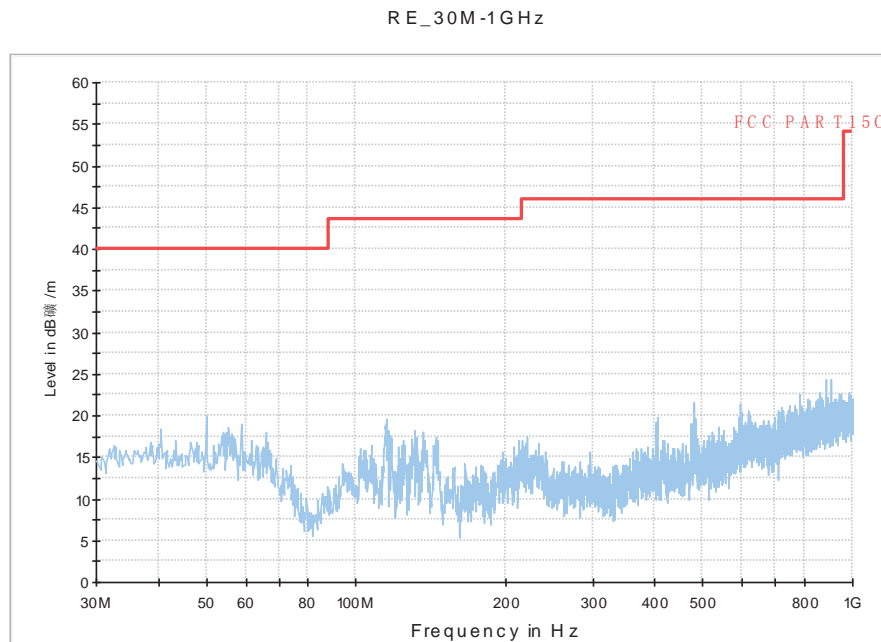


Fig. 136 Radiated Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)

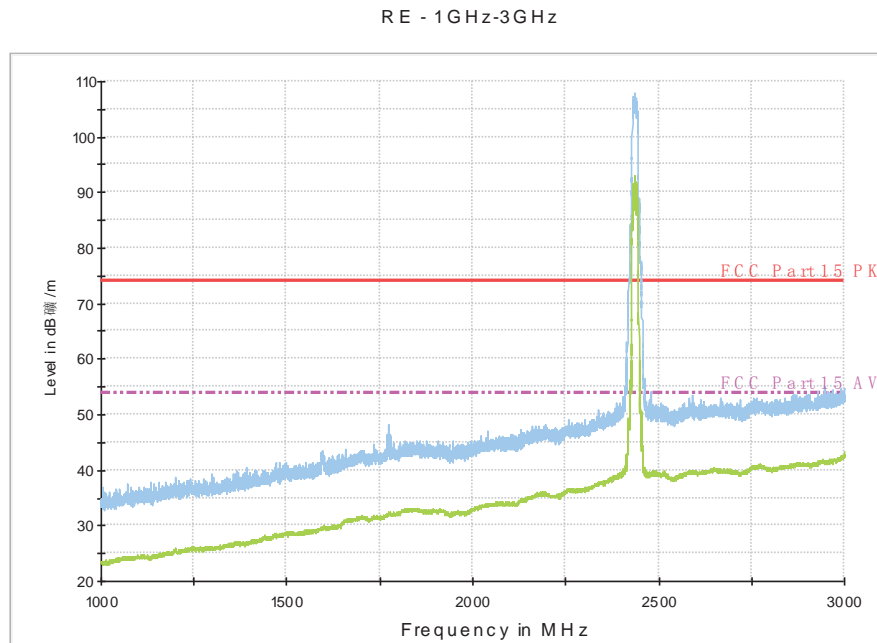


Fig. 137 Radiated Spurious Emission (802.11g, Ch6, 1 GHz-3 GHz)

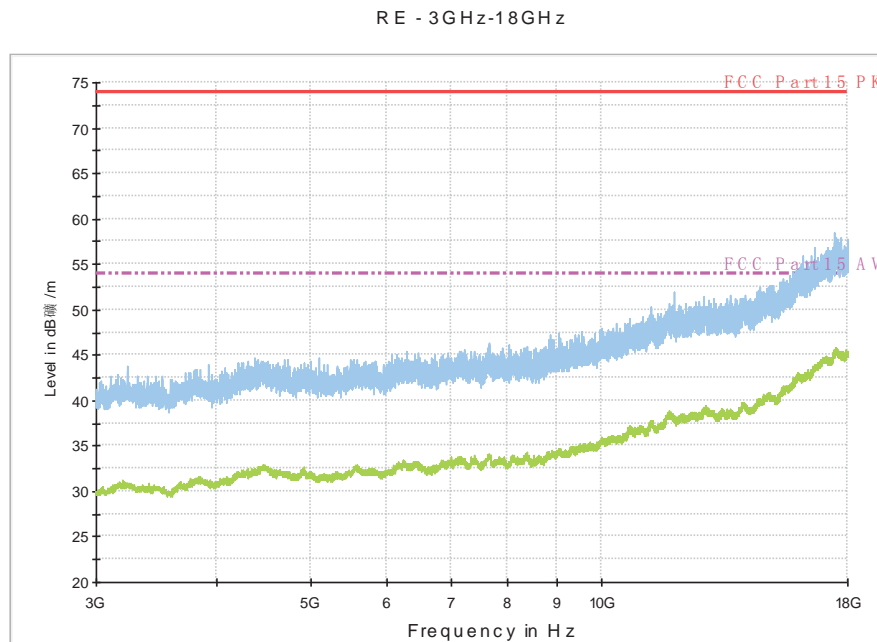


Fig. 138 Radiated Spurious Emission (802.11g, Ch6, 3 GHz-18 GHz)

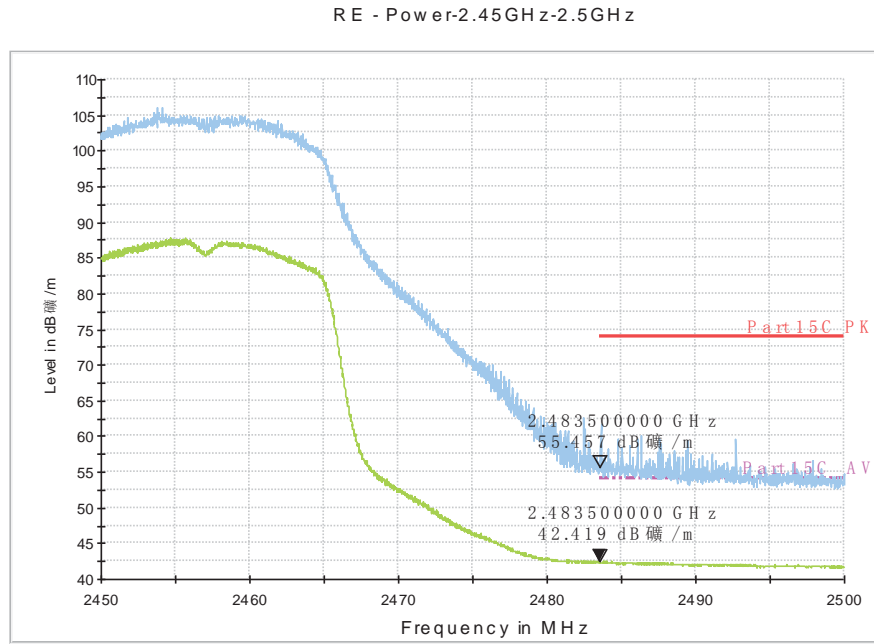


Fig. 139 Radiated Spurious Emission (Power): 802.11g, ch11, 2.45 GHz - 2.5GHz

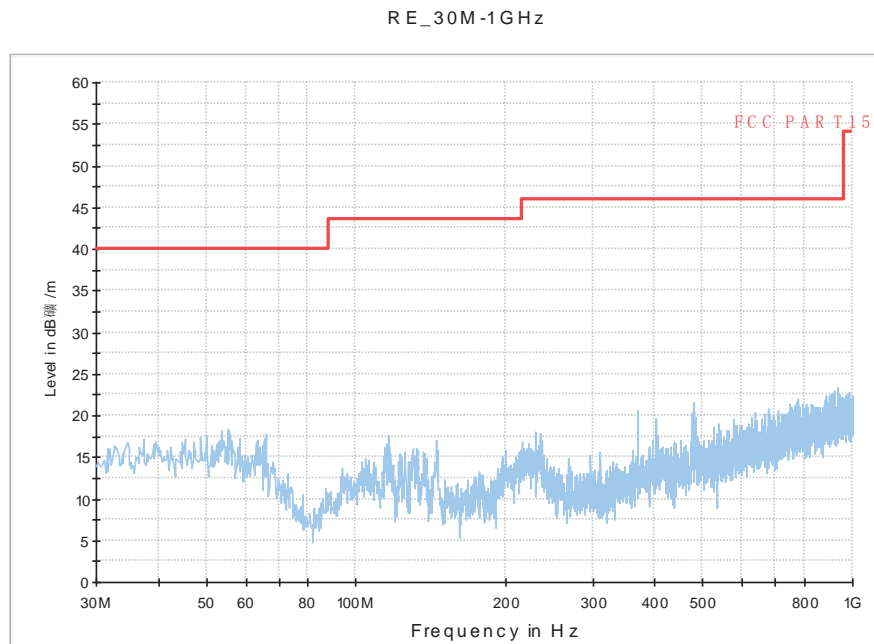


Fig. 140 Radiated Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)

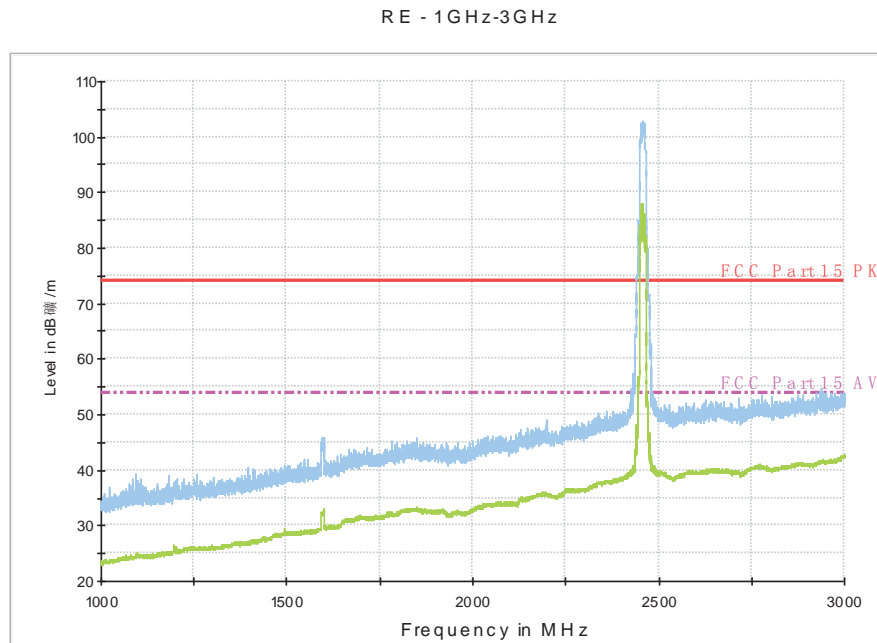


Fig. 141 Radiated Spurious Emission (802.11g, Ch11, 1 GHz-3 GHz)

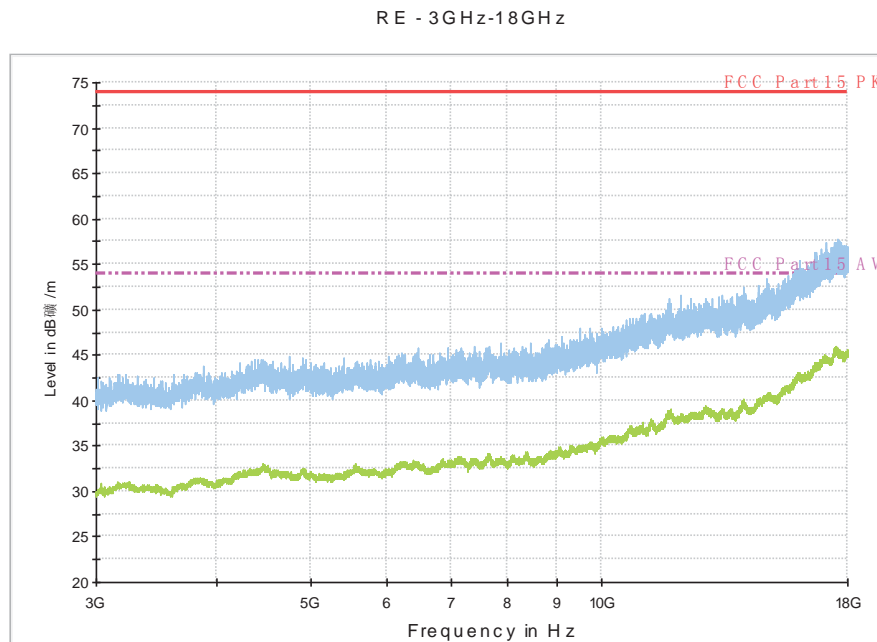


Fig. 142 Radiated Spurious Emission (802.11g, Ch11, 3 GHz-18 GHz)

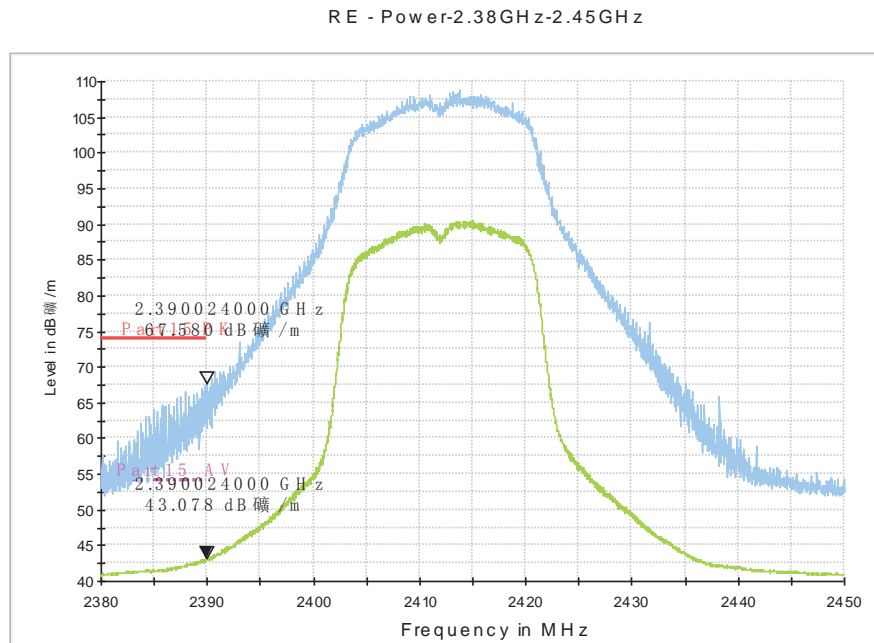


Fig. 143 Radiated Spurious Emission (Power): 802.11n-HT20, Antenna 1, ch1, 2.38 GHz - 2.45GHz

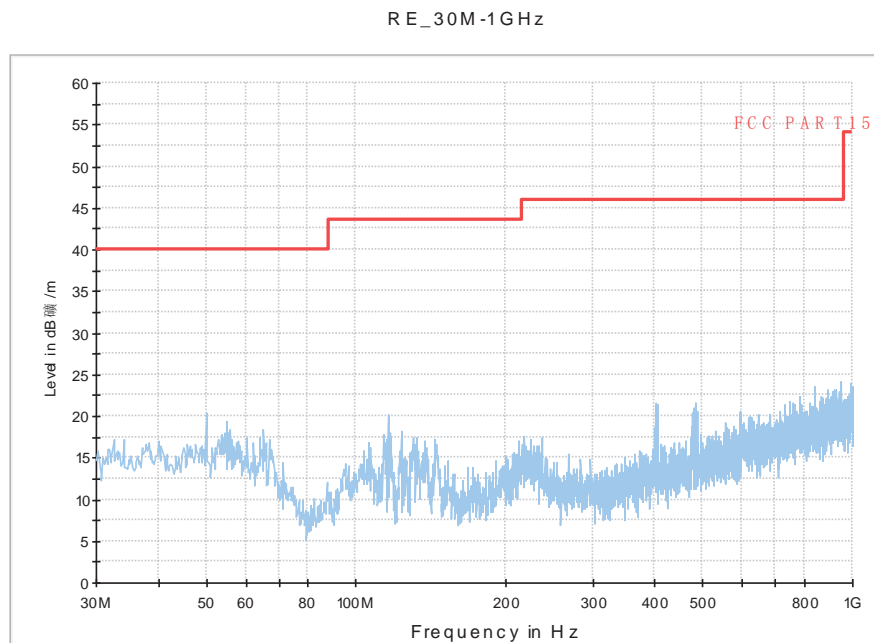


Fig. 144 Radiated Spurious Emission (802.11n-HT20, Antenna1, Ch1, 30 MHz-1 GHz)

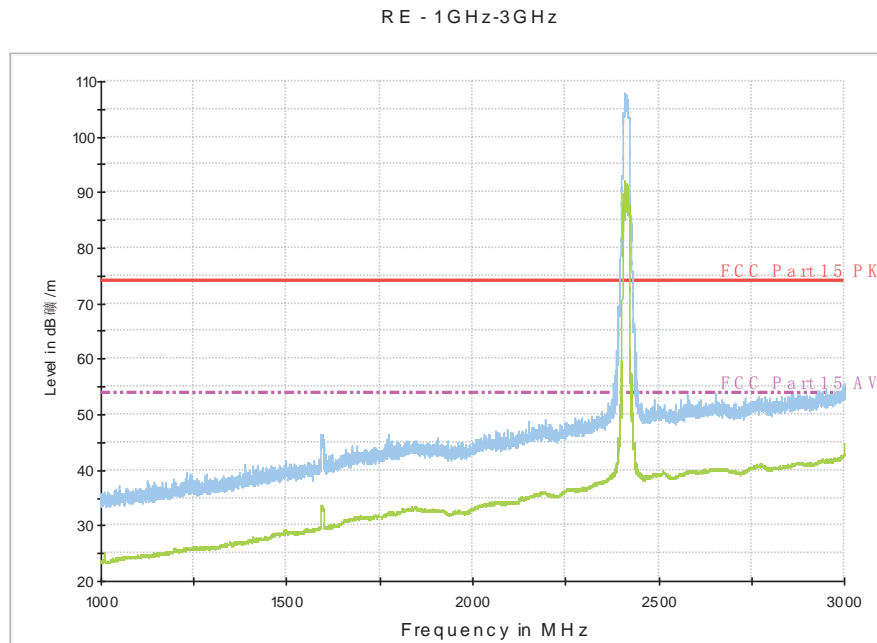


Fig. 145 Radiated Spurious Emission (802.11n-HT20, Antenna1, Ch1, 1 GHz-3 GHz)

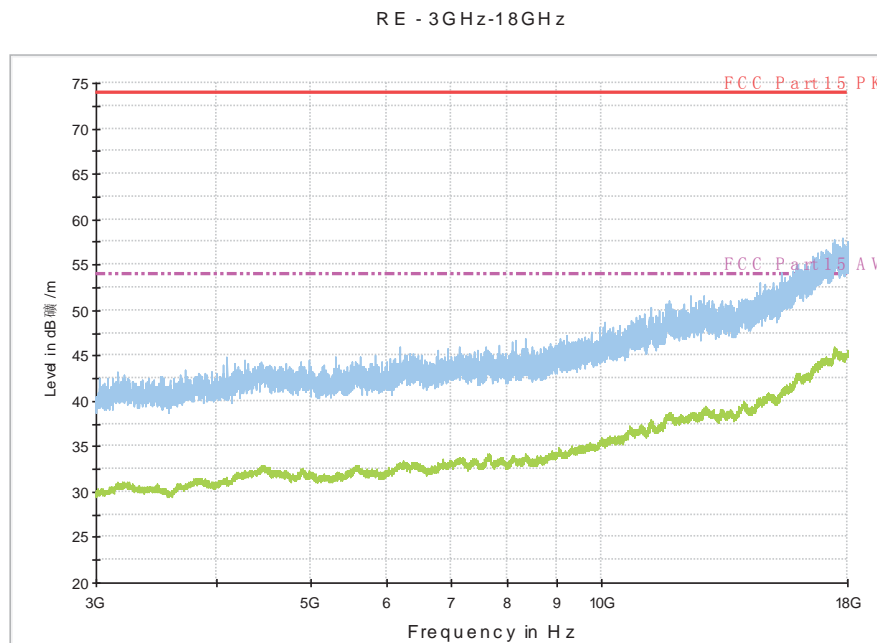


Fig. 146 Radiated Spurious Emission (802.11n-HT20, Antenna1,Ch1, 3 GHz-18 GHz)

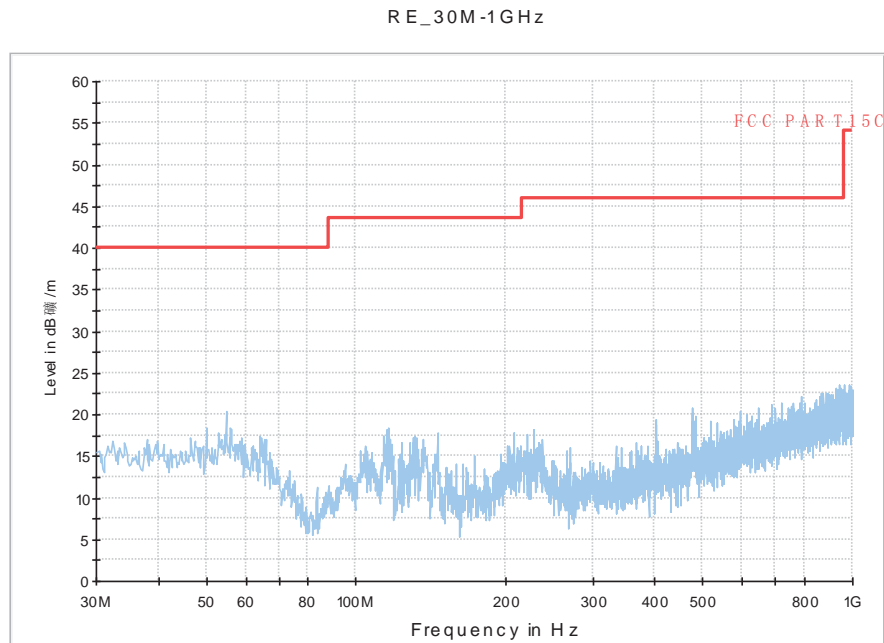


Fig. 147 Radiated Spurious Emission (802.11n-HT20, Antenna1,Ch6, 30 MHz-1 GHz)

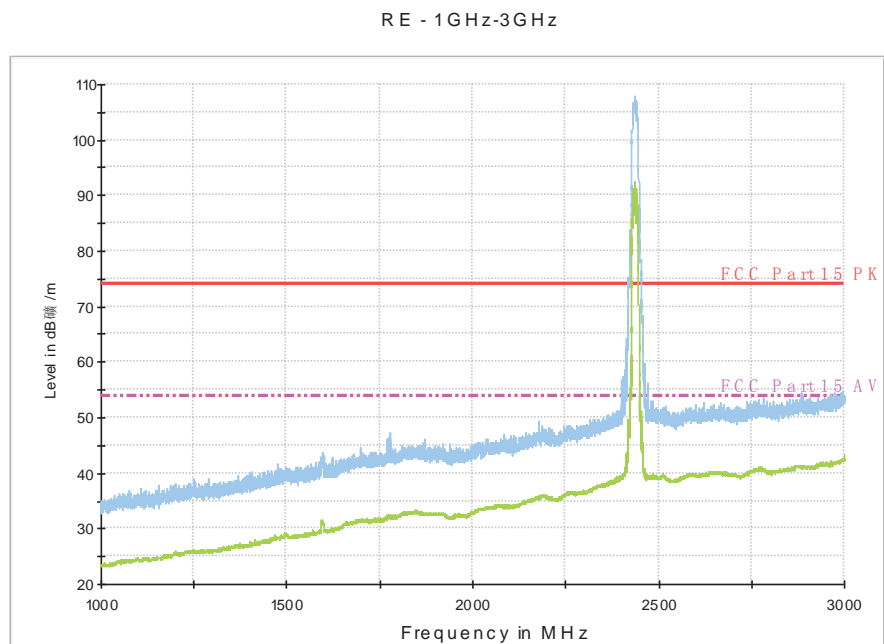


Fig. 148 Radiated Spurious Emission (802.11n-HT20, Antenna1,Ch6, 1 GHz-3 GHz)

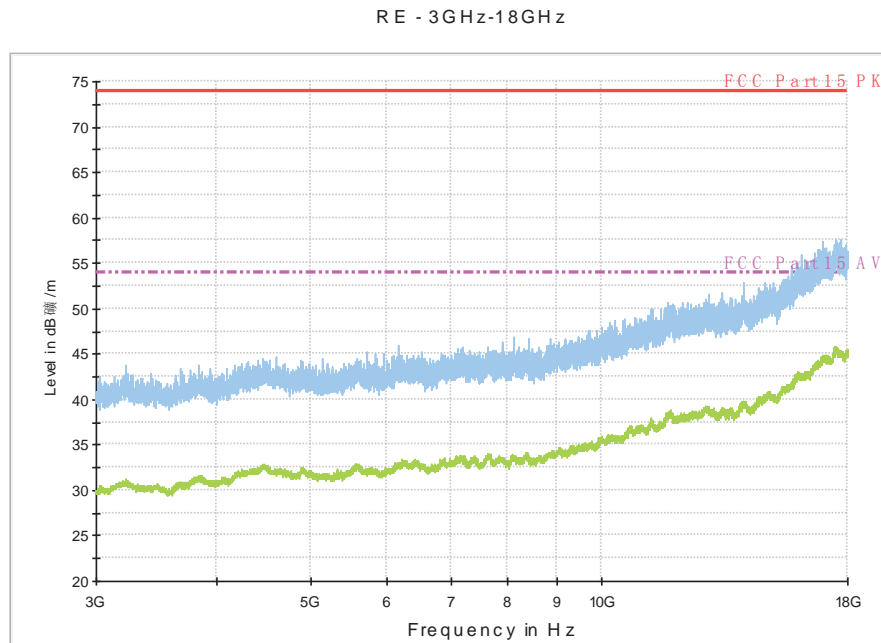


Fig. 149 Radiated Spurious Emission (802.11n-HT20, Antenna1, Ch6, 3 GHz-18 GHz)

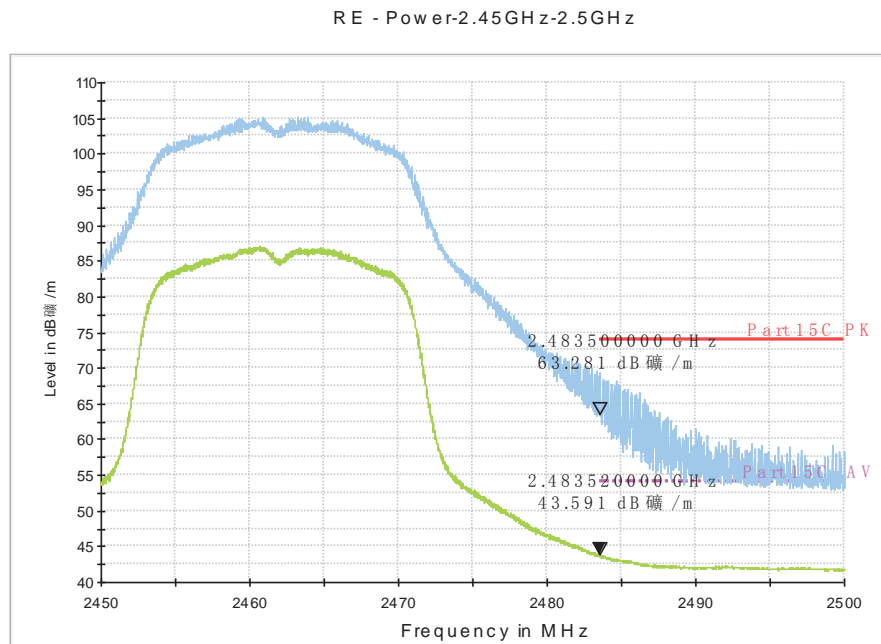


Fig. 150 Radiated Spurious Emission (Power): 802.11n-HT20, Antenna1, ch11, 2.45 GHz - 2.5GHz

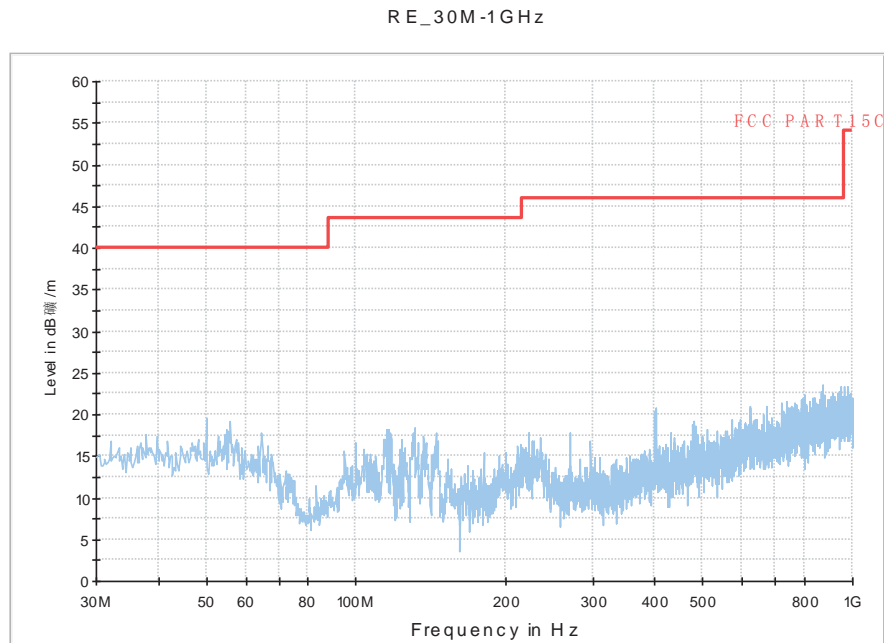


Fig. 151 Radiated Spurious Emission (802.11n-HT20, Antenna1,Ch11, 30 MHz-1 GHz)

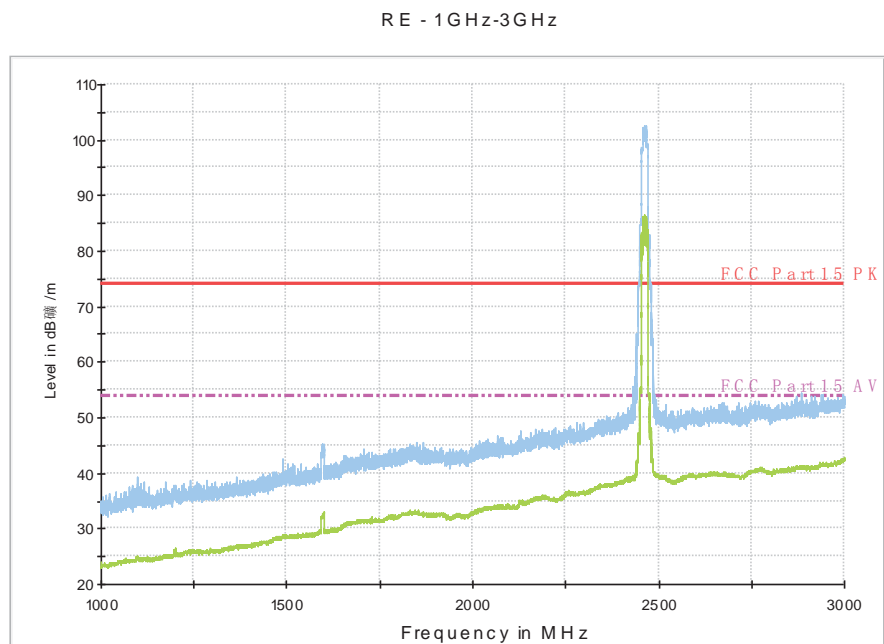


Fig. 152 Radiated Spurious Emission (802.11n-HT20, Antenna1 ,Ch11, 1 GHz-3 GHz)

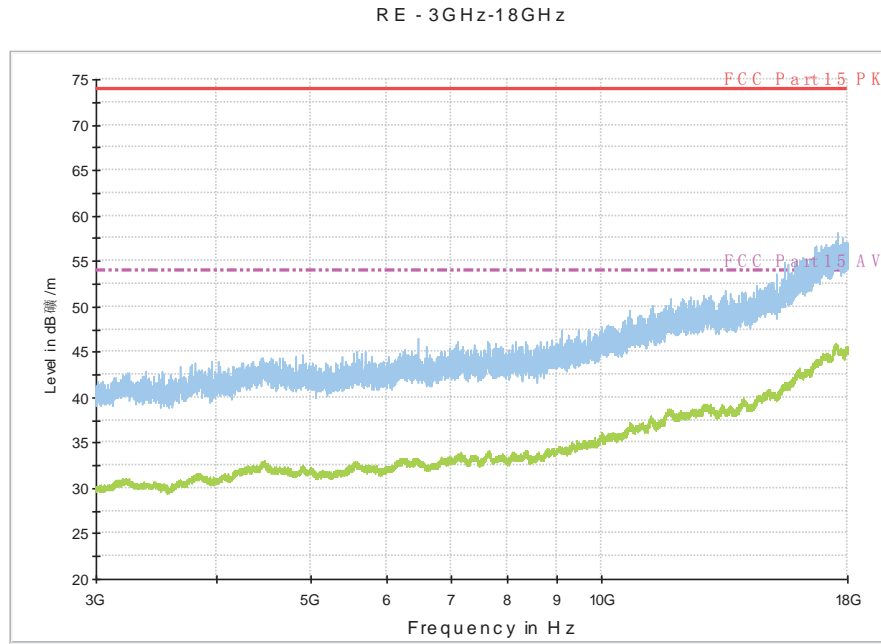


Fig. 153 Radiated Spurious Emission (802.11n-HT20, Antenna1 ,Ch11, 3 GHz-18 GHz)

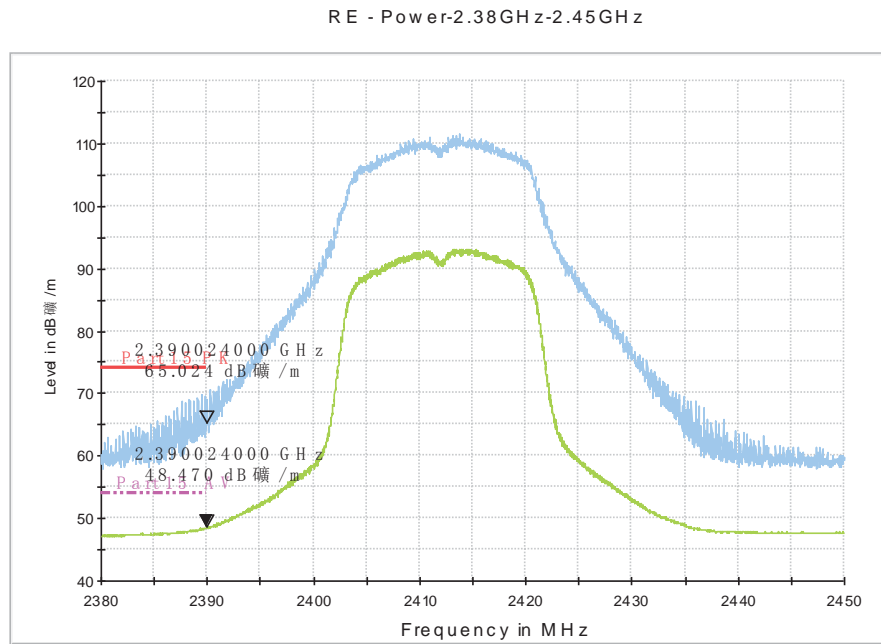


Fig. 154 Radiated Spurious Emission (Power): 802.11n-HT20, Antenna2,ch1, 2.38 GHz - 2.45GHz

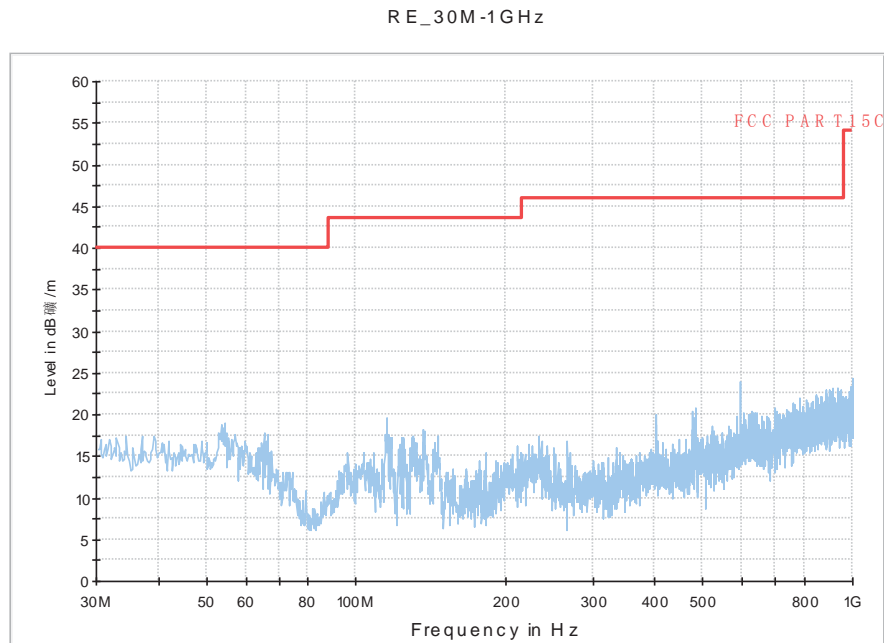


Fig. 155 Radiated Spurious Emission (802.11n-HT20, Antenna2, Ch1, 30 MHz-1 GHz)

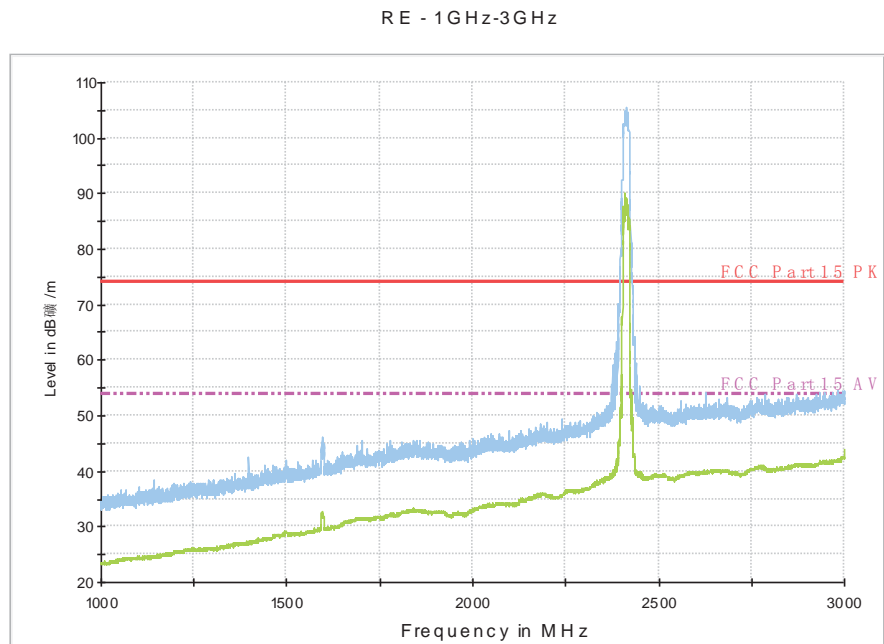


Fig. 156 Radiated Spurious Emission (802.11n-HT20, Antenna2, Ch1, 1 GHz-3 GHz)

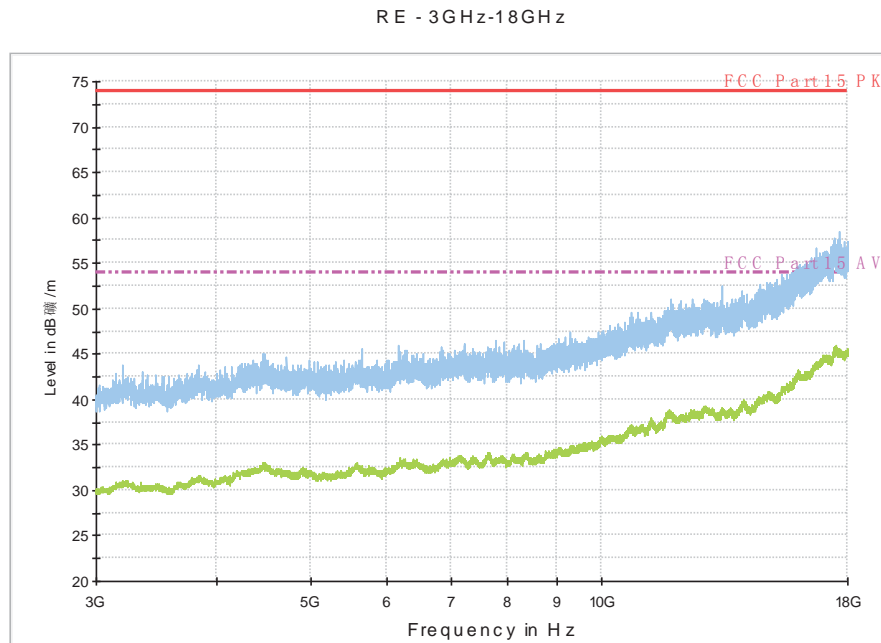


Fig. 157 Radiated Spurious Emission (802.11n-HT20, Antenna2,Ch1, 3 GHz-18 GHz)

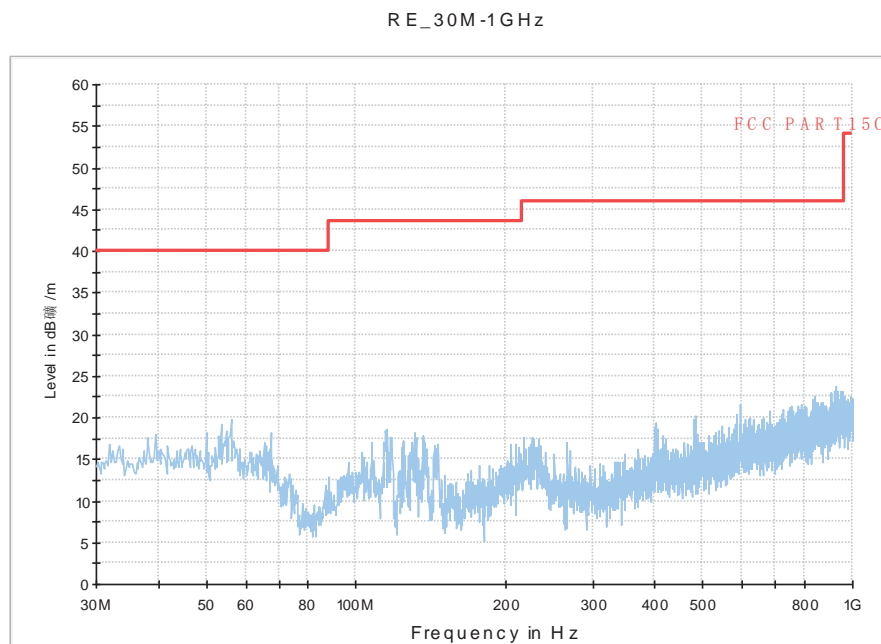


Fig. 158 Radiated Spurious Emission (802.11n-HT20, Antenna2,Ch6, 30 MHz-1 GHz)

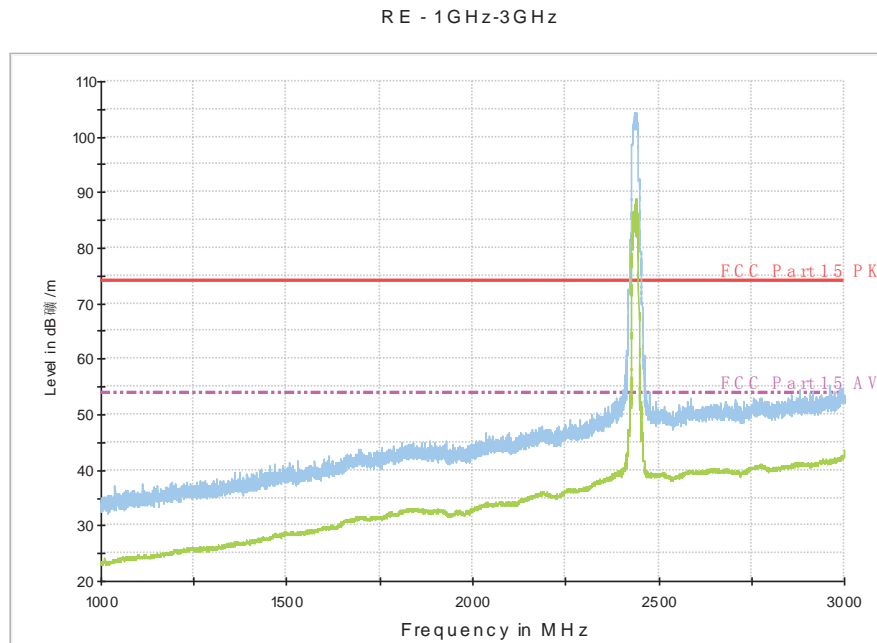


Fig. 159 Radiated Spurious Emission (802.11n-HT20, Antenna2,Ch6, 1 GHz-3 GHz)

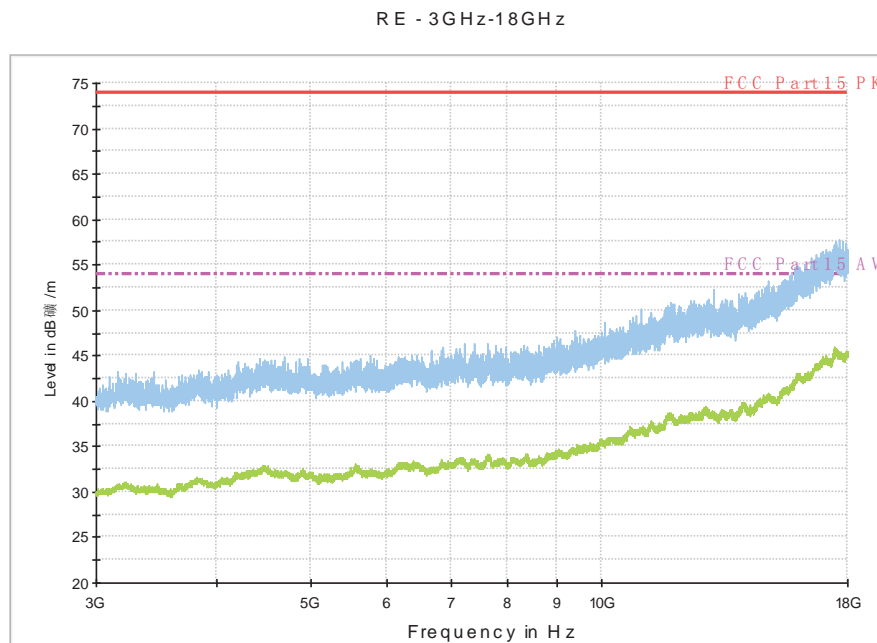


Fig. 160 Radiated Spurious Emission (802.11n-HT20, Antenna2, Ch6, 3 GHz-18 GHz)

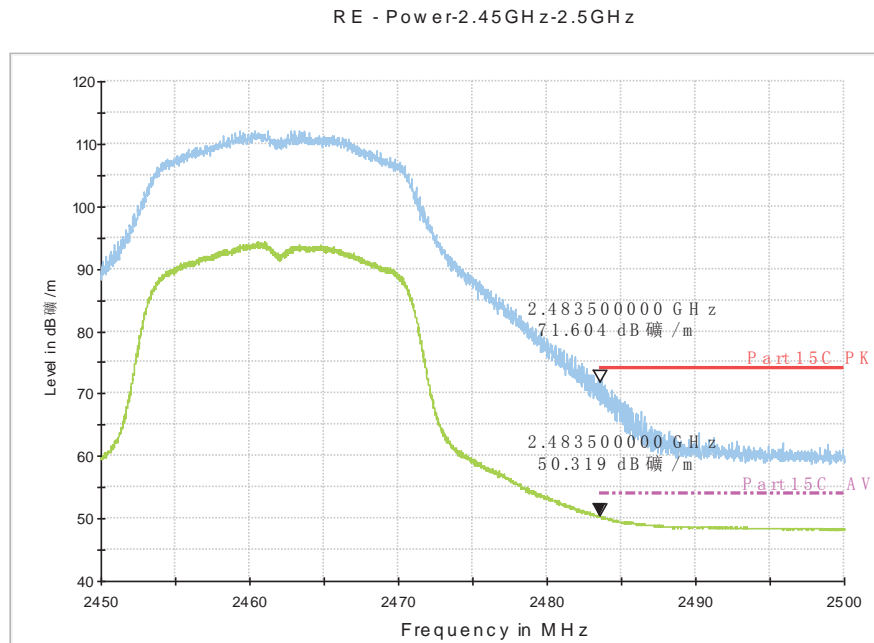


Fig. 161 Radiated Spurious Emission (Power): 802.11n-HT20, Antenna2, ch11, 2.45 GHz - 2.5GHz

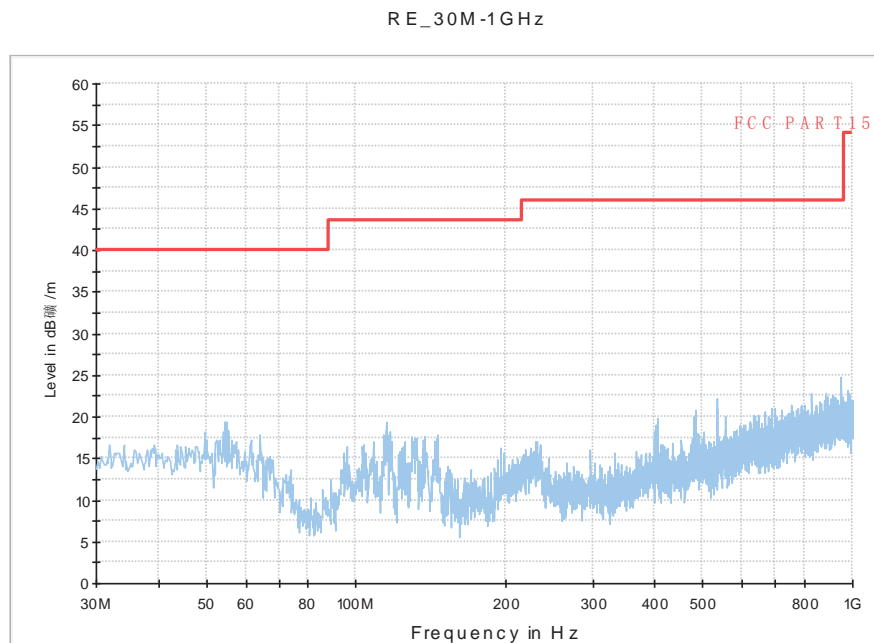


Fig. 162 Radiated Spurious Emission (802.11n-HT20, Antenna2,Ch11, 30 MHz-1 GHz)

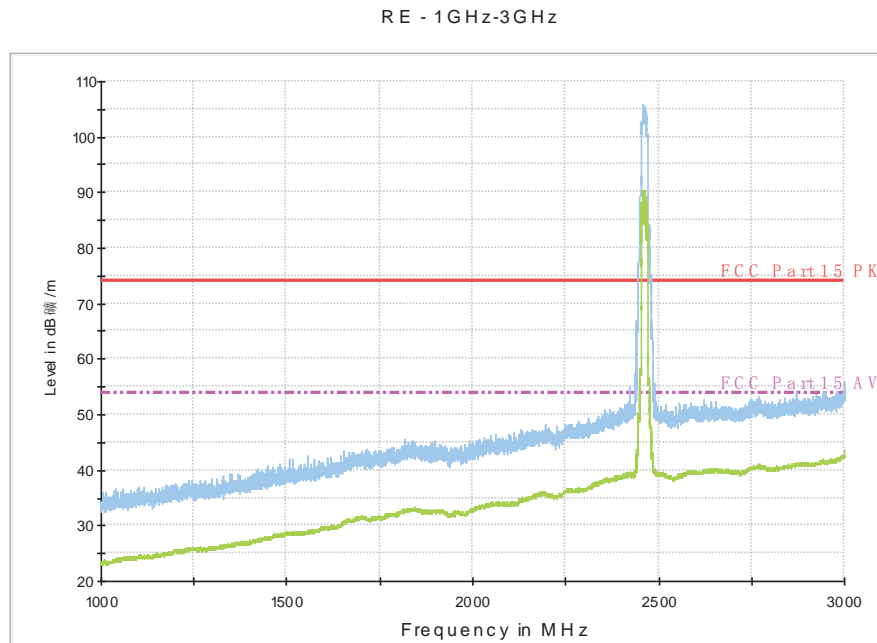


Fig. 163 Radiated Spurious Emission (802.11n-HT20, Antenna2,Ch11, 1 GHz-3 GHz)

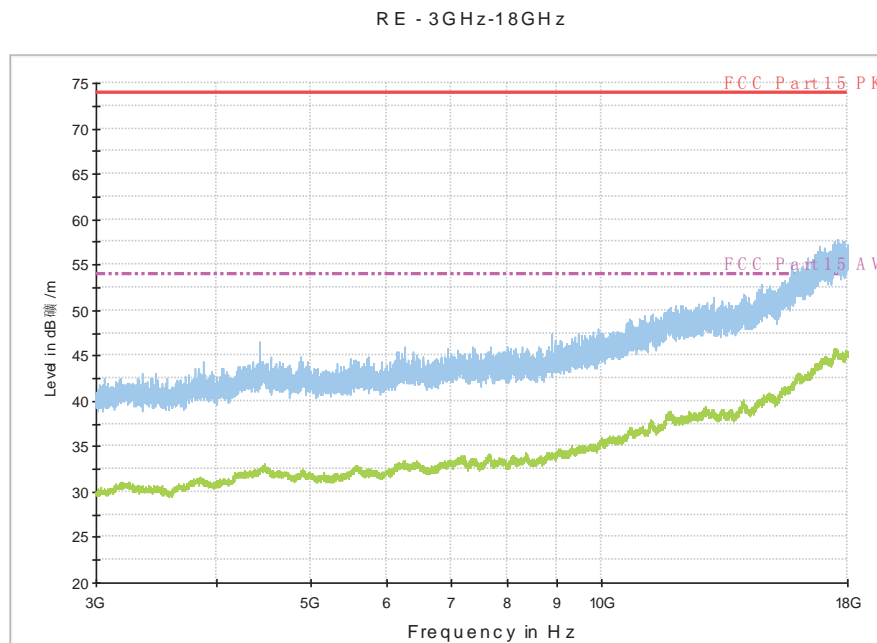


Fig. 164 Radiated Spurious Emission (802.11n-HT20, Antenna2,Ch11, 3 GHz-18 GHz)

18G-26.5G RE

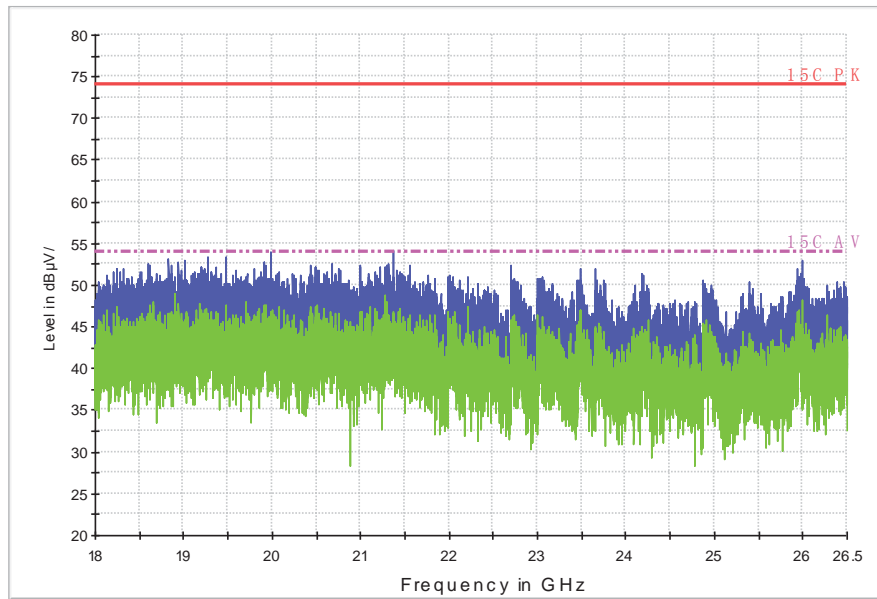


Fig. 165 Radiated emission: 18 GHz – 26.5 GHz

A.8. Spurious Emissions Radiated < 30MHz

Measurement Limit:

Frequency (MHz)	Field strength(dB μ V/m)	Measurement distance
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

The measurement is made according to KDB 789033

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)).

Measurement Results:

Mode	Frequency Range	Test Results	Conclusion
802.11b	9 kHz ~30 MHz	Fig.166	P

Conclusion: PASS

Test graphs as below:

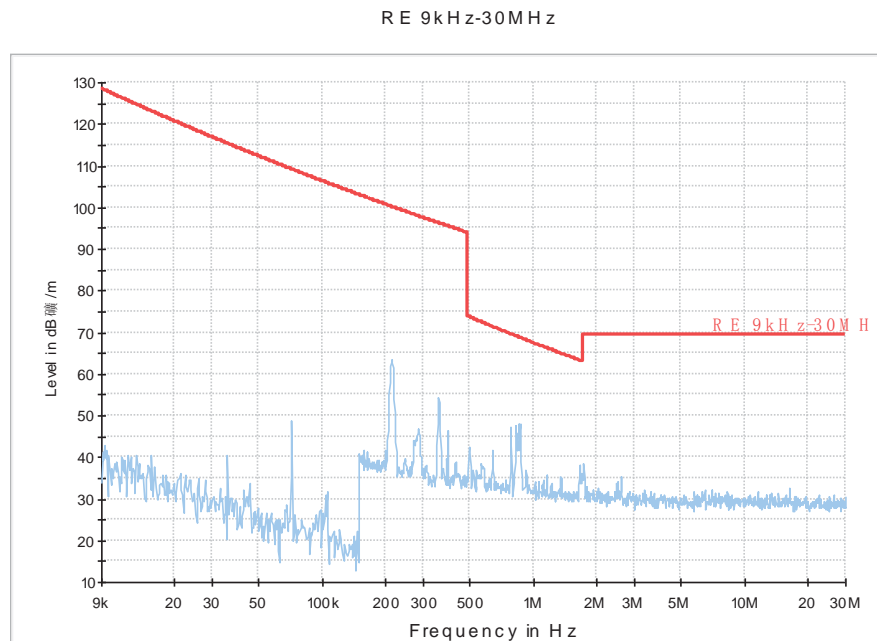


Fig. 166 Radiated Spurious Emission (802.11b, 9 kHz ~30 MHz)

A.9. AC Powerline Conducted Emission

Test Condition:

Voltage (V)	Frequency (Hz)
110	60

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit(dB μ V)	Result (dB μ V)	Conclusion
		With charger	
0.15 to 0.5	66 to 56	Fig. 167	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 μ V)	Result (dB μ V)	Conclusion
		With charger	
0.15 to 0.5	56 to 46	Fig.167	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 C63.4 and KDB558074

Note: Expanded measurement uncertainty for this test item is $U = 3.2\text{dB}$, $k=2$.

Conclusion: PASS

Test graphs as below:

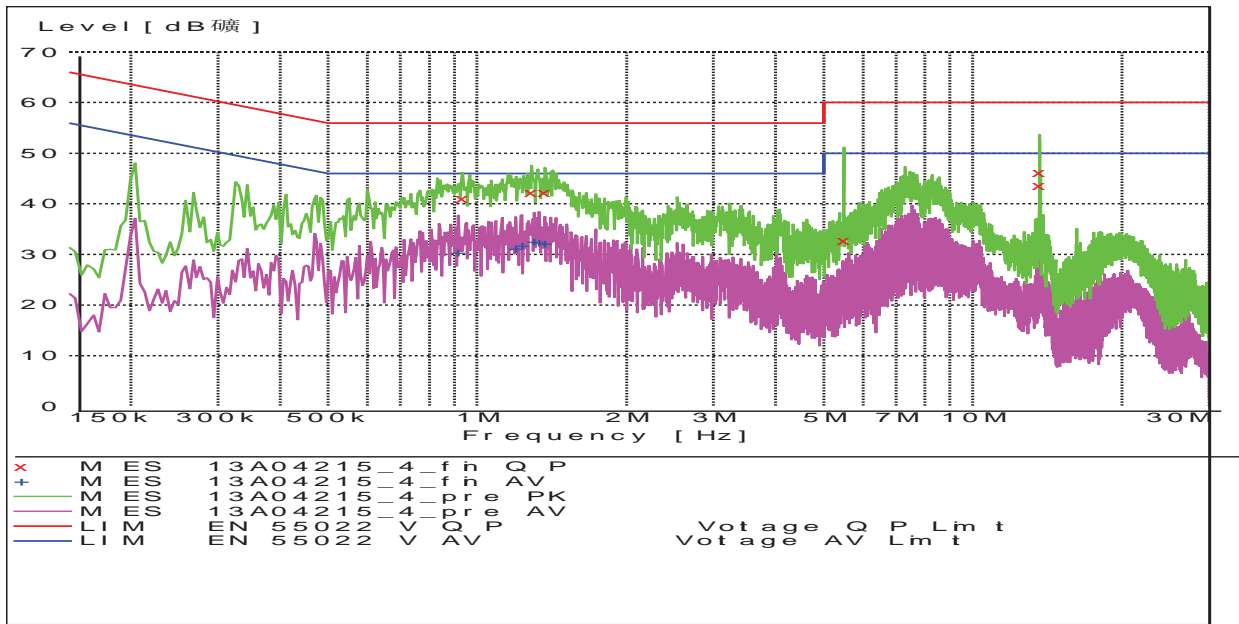


Fig. 167 AC Powerline Conducted Emission

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Measurement Result: " 13A04215_4_fin QP"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.933000	41.10	9.7	56	14.9	N	GND
1.288500	42.10	9.7	56	13.9	N	GND
1.369500	42.20	9.7	56	13.8	L1	GND
5.492000	32.80	9.7	60	27.2	L1	GND
13.623500	46.10	9.5	60	13.9	L1	GND
13.632500	43.60	9.5	60	16.4	L1	GND

Measurement Result: " 13A04215_4_fin AV"

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.915000	30.40	9.7	46	15.6	L1	GND
1.194000	31.10	9.7	46	14.9	L1	GND
1.230000	31.70	9.7	46	14.3	L1	GND
1.302000	32.50	9.7	46	13.5	L1	GND
1.333500	32.40	9.7	46	13.6	N	GND
1.369500	32.10	9.7	46	13.9	L1	GND

ANNEX B: PHOTOGRAPHS OF THE TEST SET-UP

Layout of Radiated Spurious Emission Test



Layout of AC Powerline Conducted Emission



ANNEX C: PHOTOGRAPHS OF THE EUT

External Photo



Wi-Fi Display Adapter



Wi-Fi Display Adapter



Wi-Fi Display Adapter



AC/DC Power Adapter



Label of AC/DC Power Adapter



USB Cable

Internal Photo



Wi-Fi Display Adapter Disassembly



Wi-Fi Display Adapter Disassembly



Wi-Fi Display Adapter Disassembly

***** END OF REPORT BODY *****