

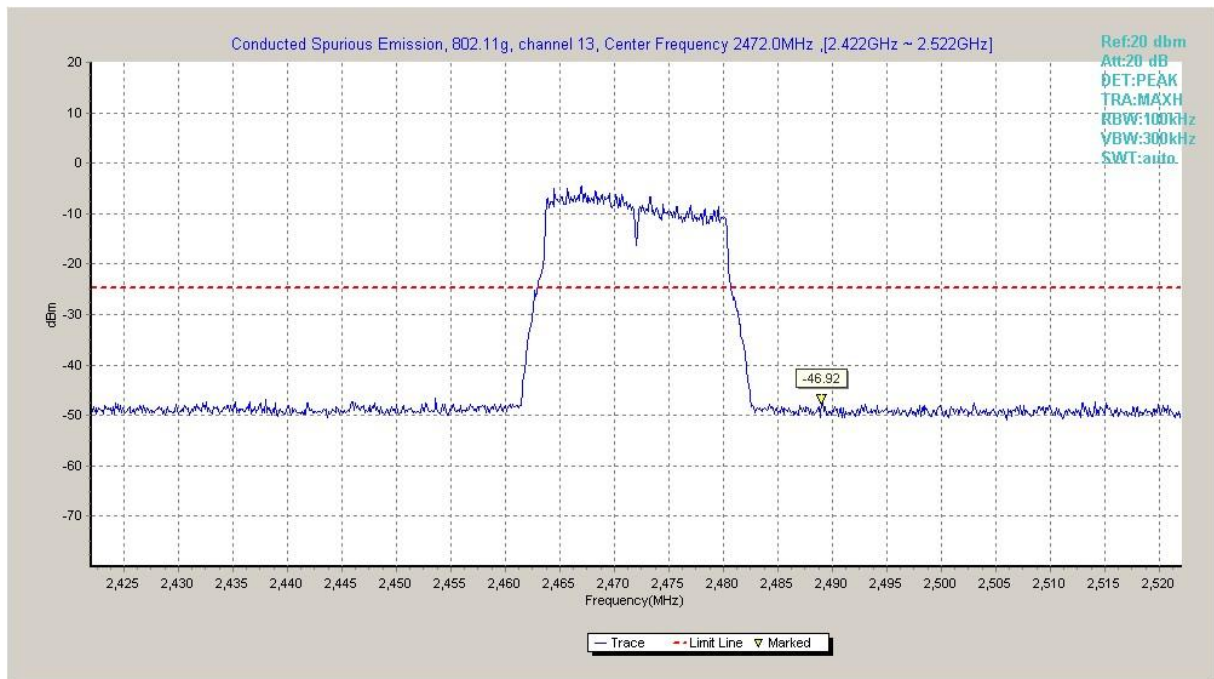


Fig.A.6.1.73 Transmitter Spurious Emission - Conducted (802.11g, Ch13, Center Frequency)

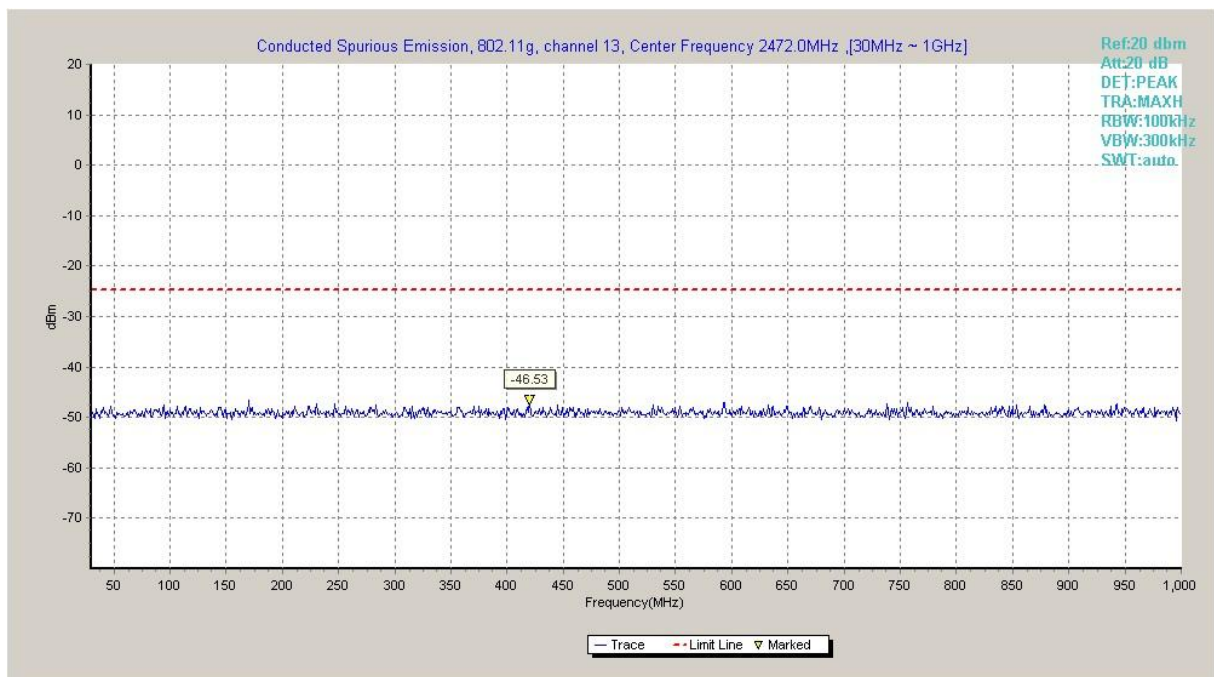


Fig.A.6.1.74 Transmitter Spurious Emission - Conducted (802.11g, Ch13, 30 MHz-1 GHz)

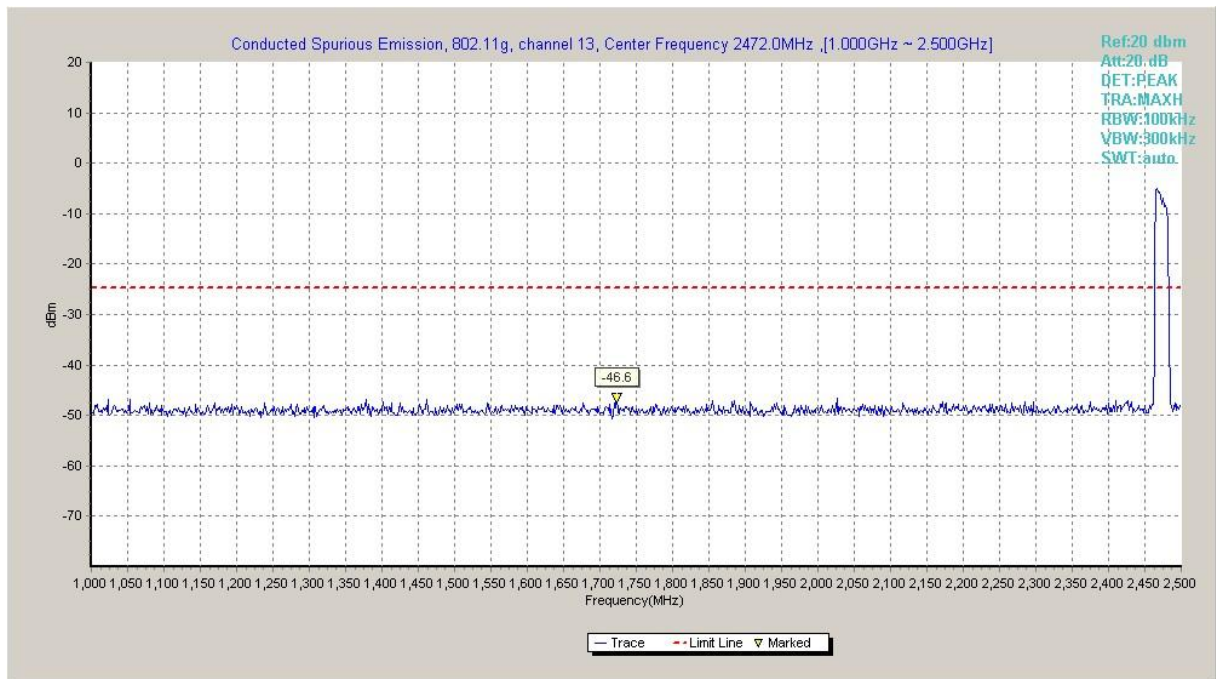


Fig.A.6.1.75 Transmitter Spurious Emission - Conducted (802.11g, Ch13, 1 GHz-2.5 GHz)

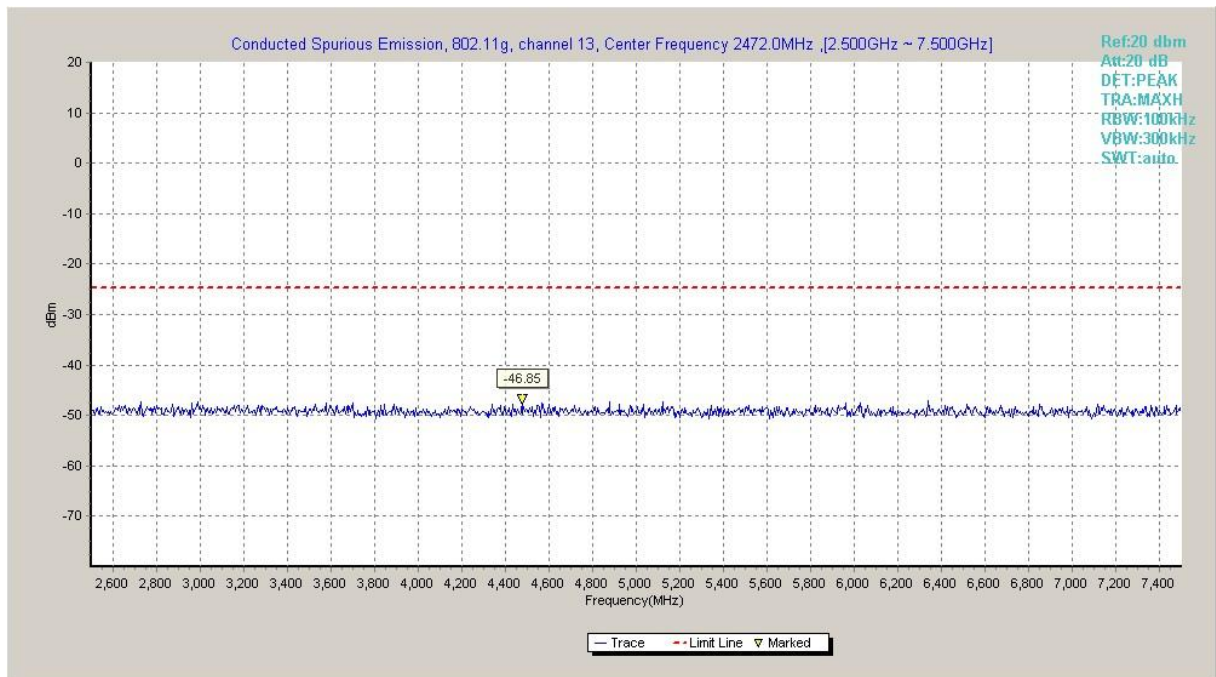


Fig.A.6.1.76 Transmitter Spurious Emission - Conducted (802.11g, Ch13, 2.5 GHz-7.5 GHz)

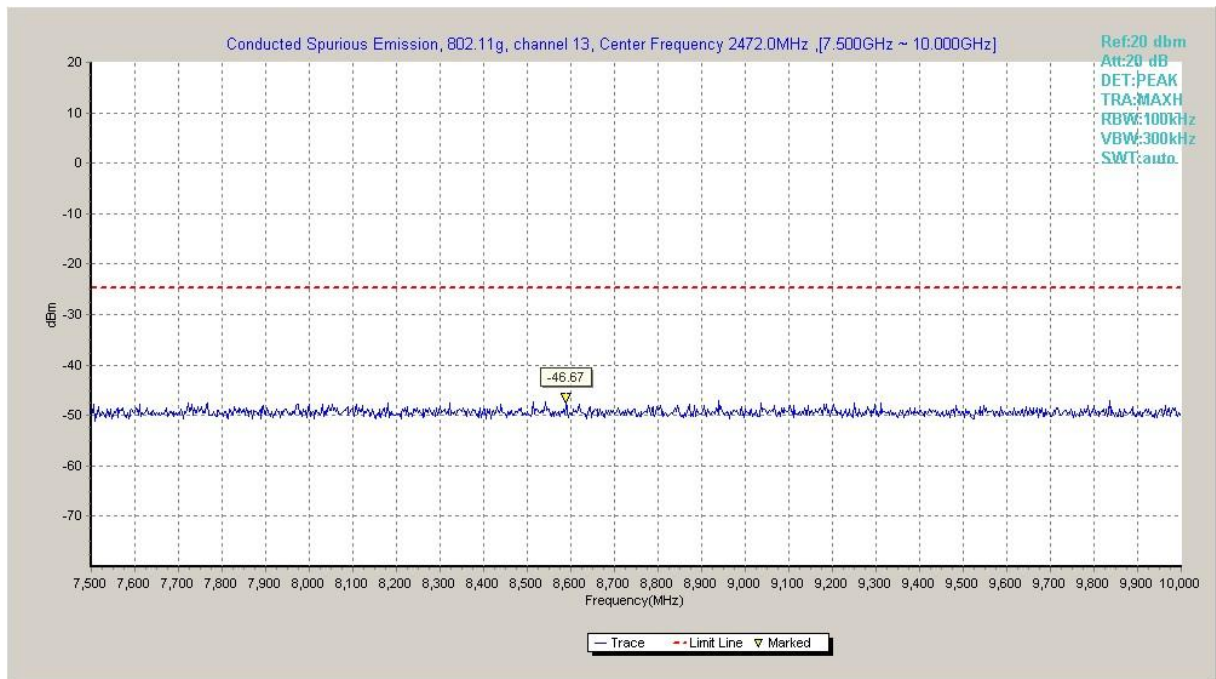


Fig.A.6.1.77 Transmitter Spurious Emission - Conducted (802.11g, Ch13, 7.5 GHz-10 GHz)

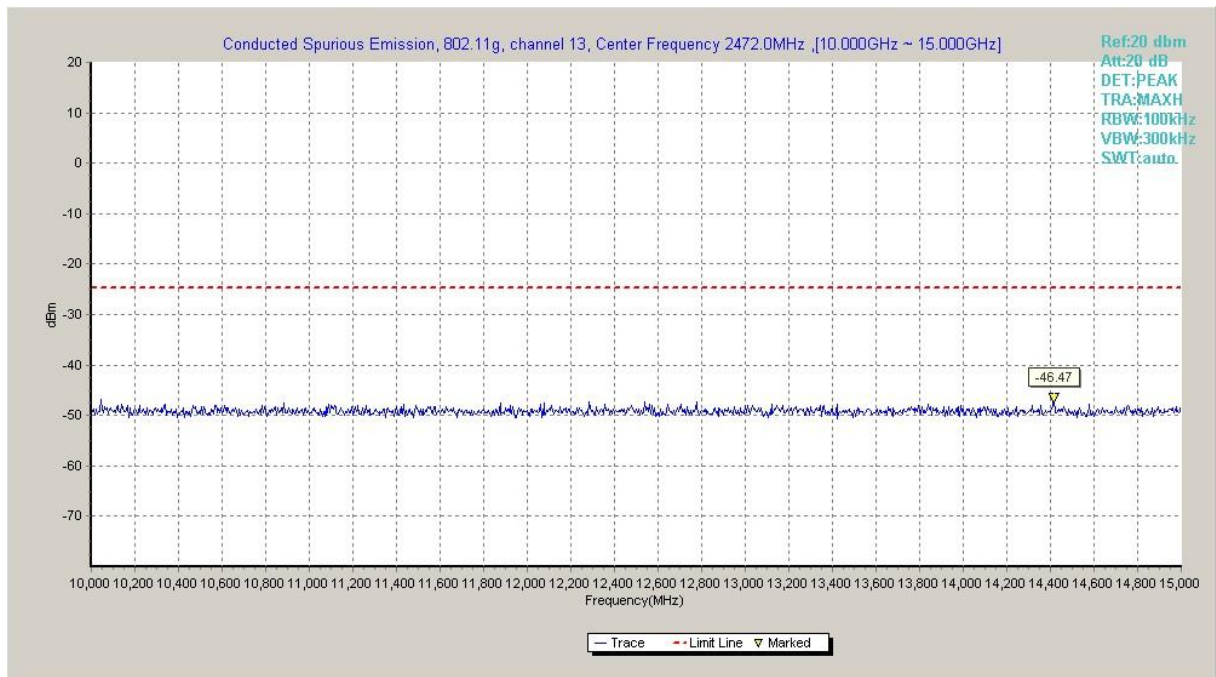


Fig.A.6.1.78 Transmitter Spurious Emission - Conducted (802.11g, Ch13, 10 GHz-15 GHz)

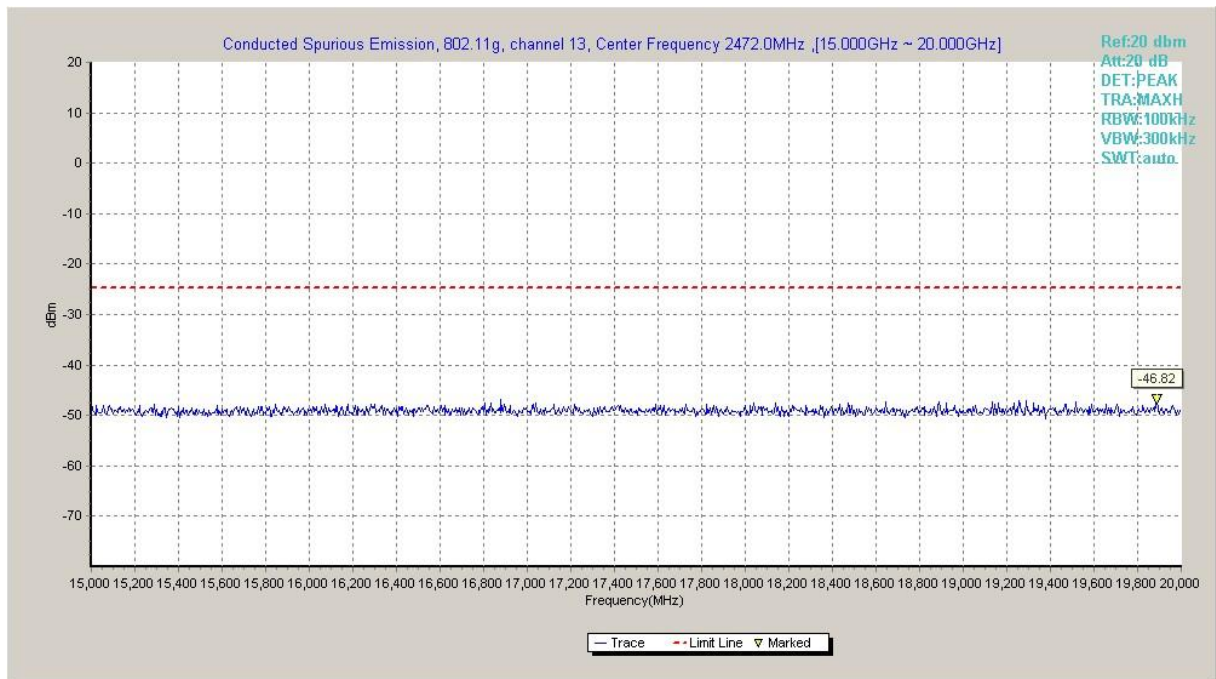


Fig.A.6.1.79 Transmitter Spurious Emission - Conducted (802.11g, Ch13, 15 GHz-20 GHz)

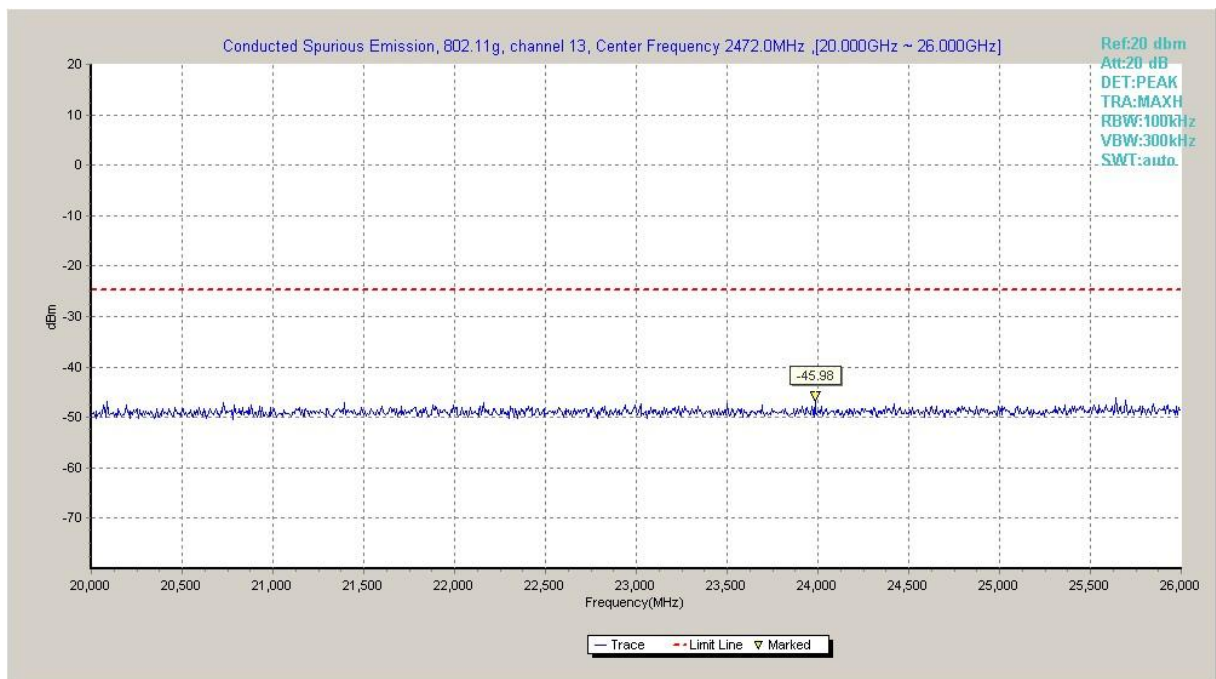


Fig.A.6.1.80 Transmitter Spurious Emission - Conducted (802.11g, Ch13, 20 GHz-26 GHz)

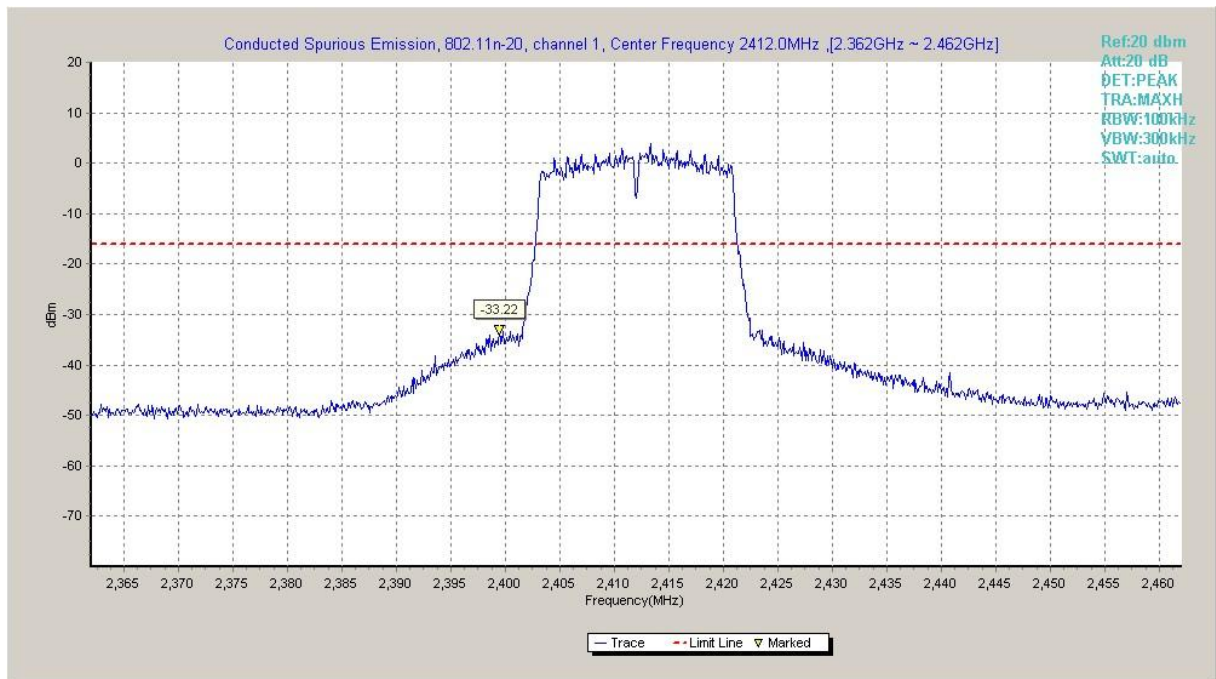


Fig.A.6.1.81 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, Center Frequency)

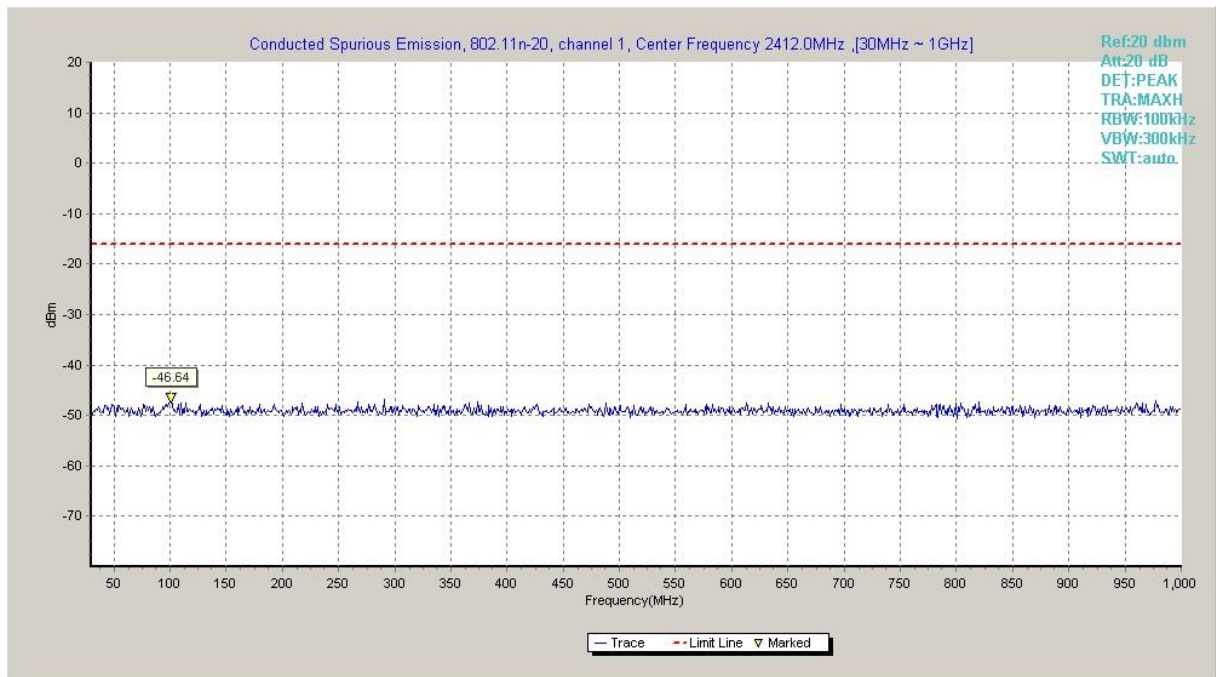


Fig.A.6.1.82 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 30 MHz-1 GHz)

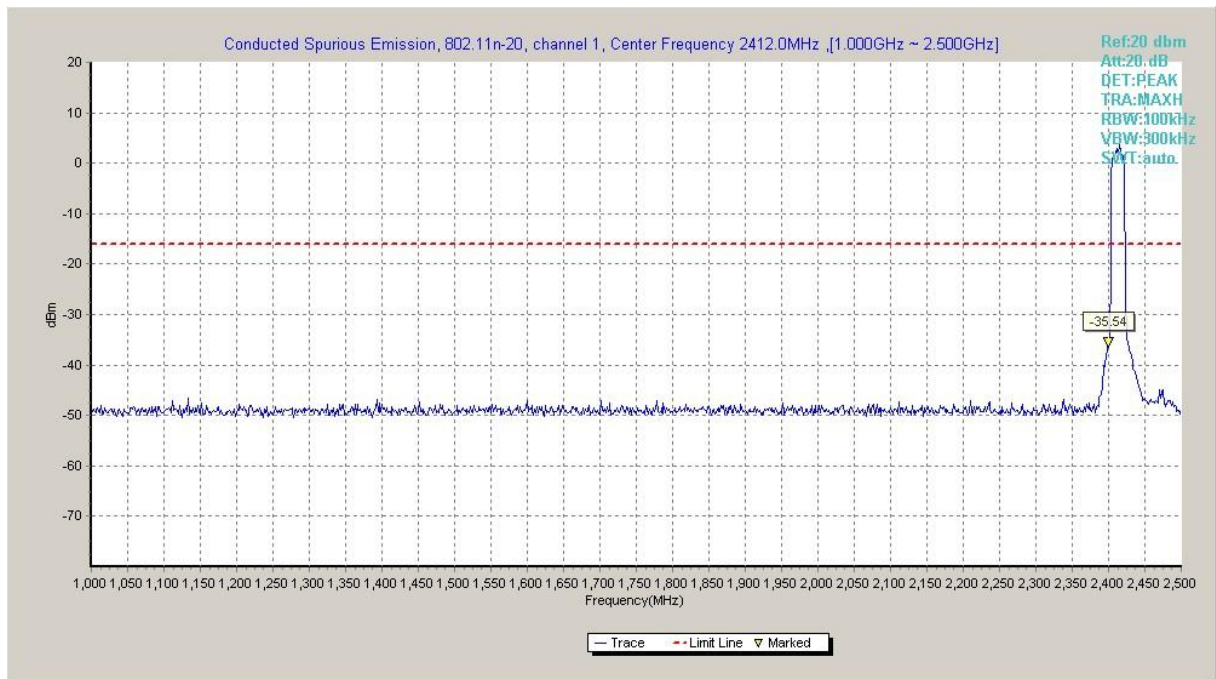


Fig.A.6.1.83 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)

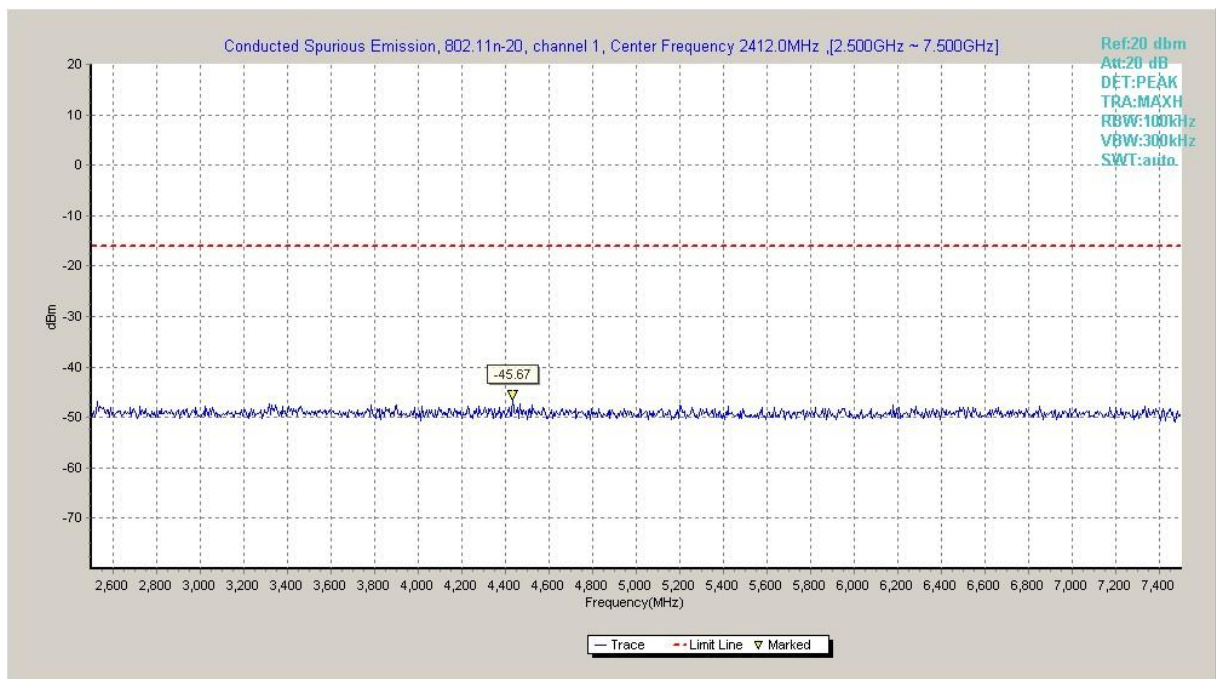


Fig.A.6.1.84 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 2.5 GHz-7.5 GHz)

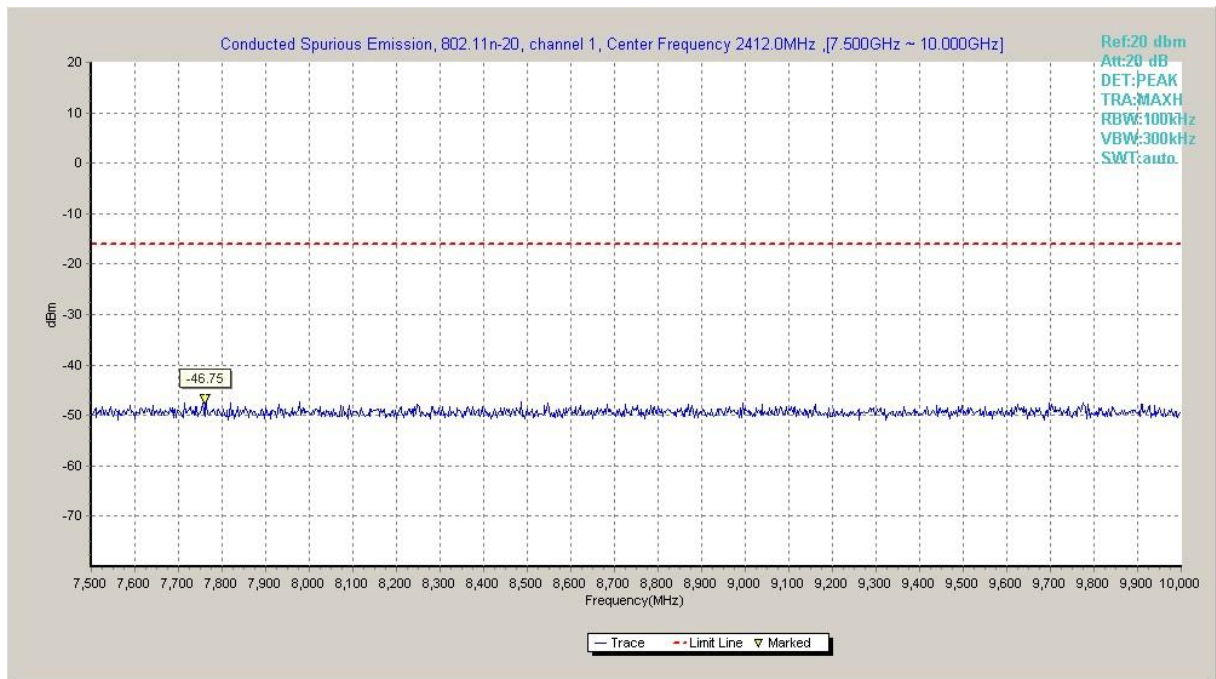


Fig.A.6.1.85 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)

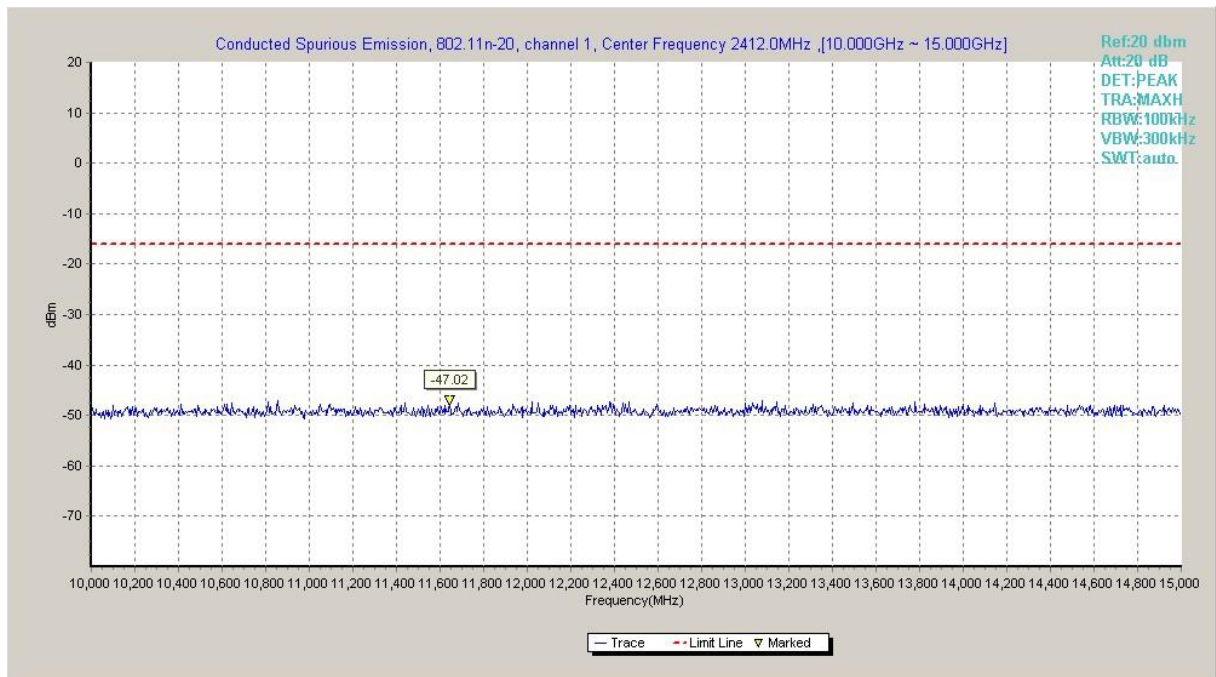


Fig.A.6.1.86 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 10 GHz-15 GHz)

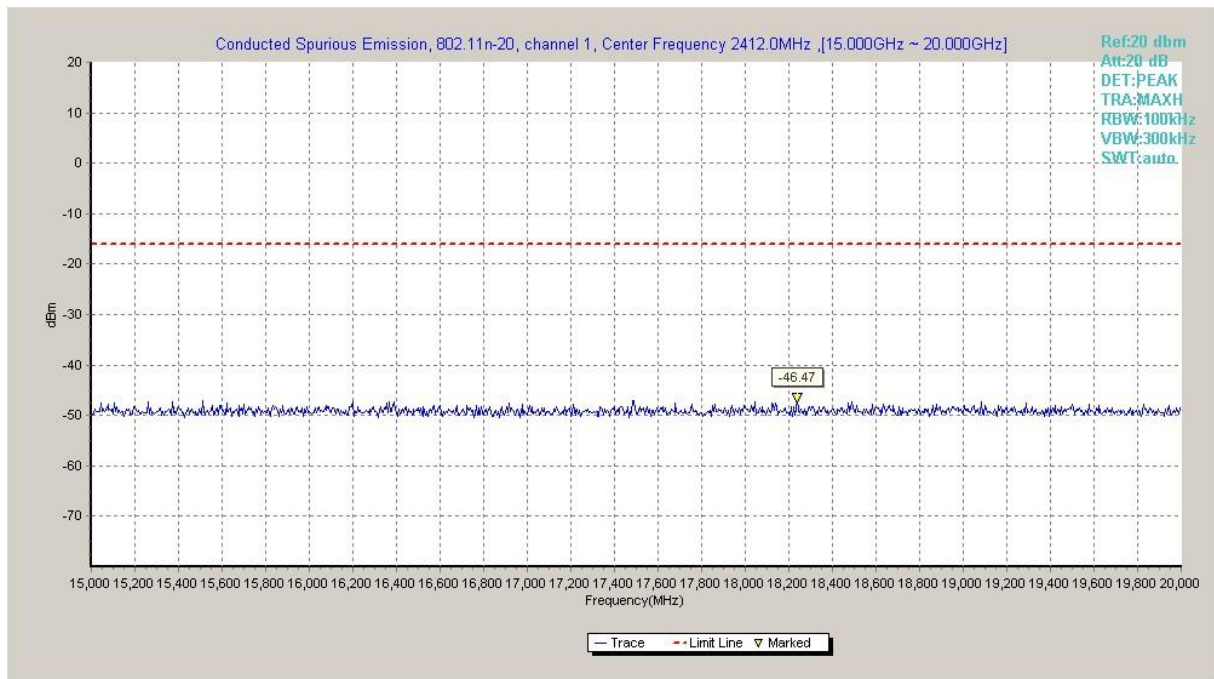


Fig.A.6.1.87 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 15 GHz-20 GHz)

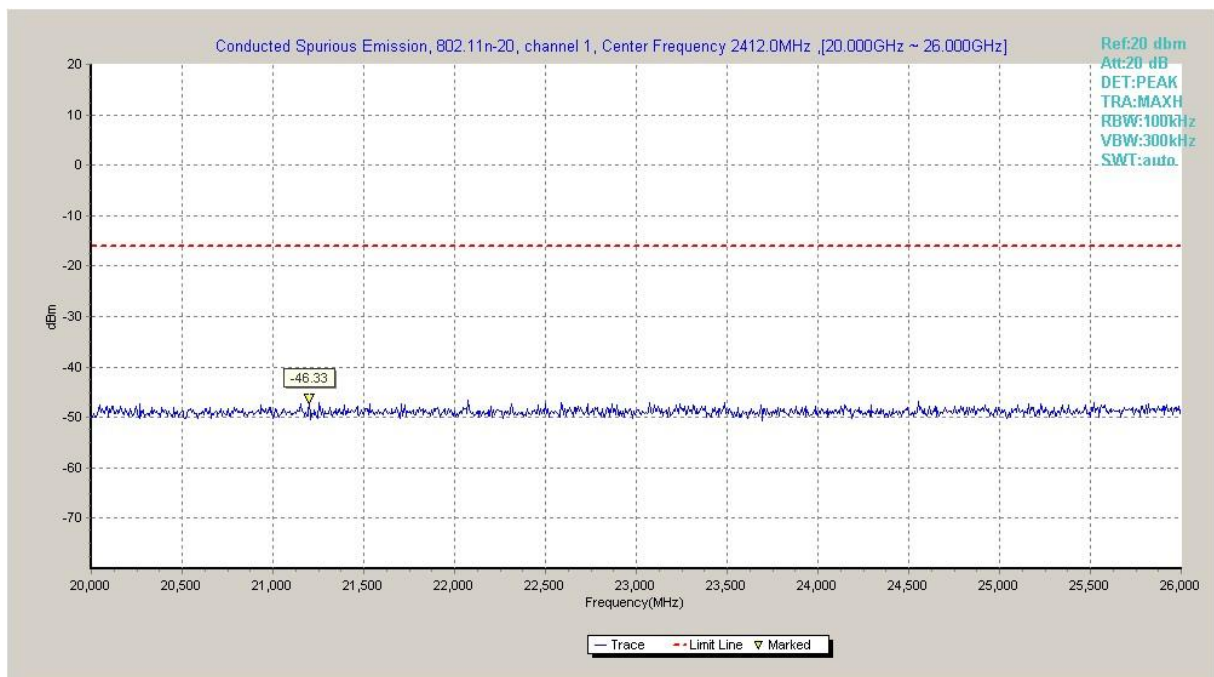


Fig.A.6.1.88 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch1, 20 GHz-26 GHz)

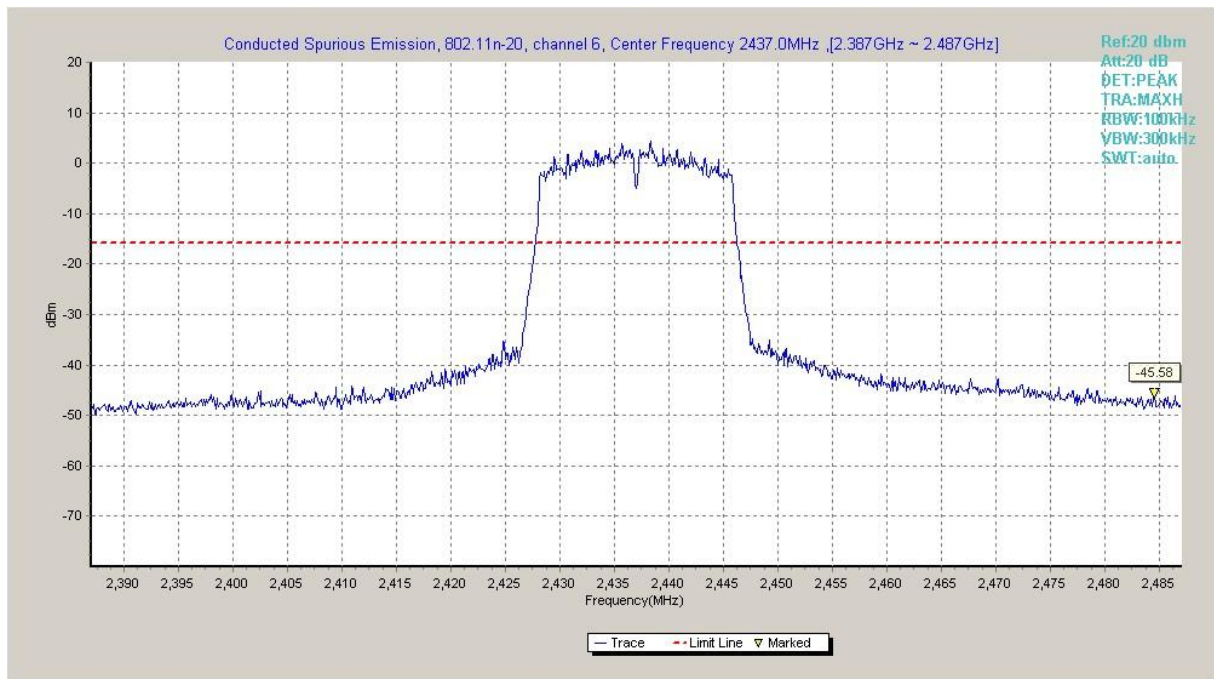


Fig.A.6.1.89 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, Center Frequency)

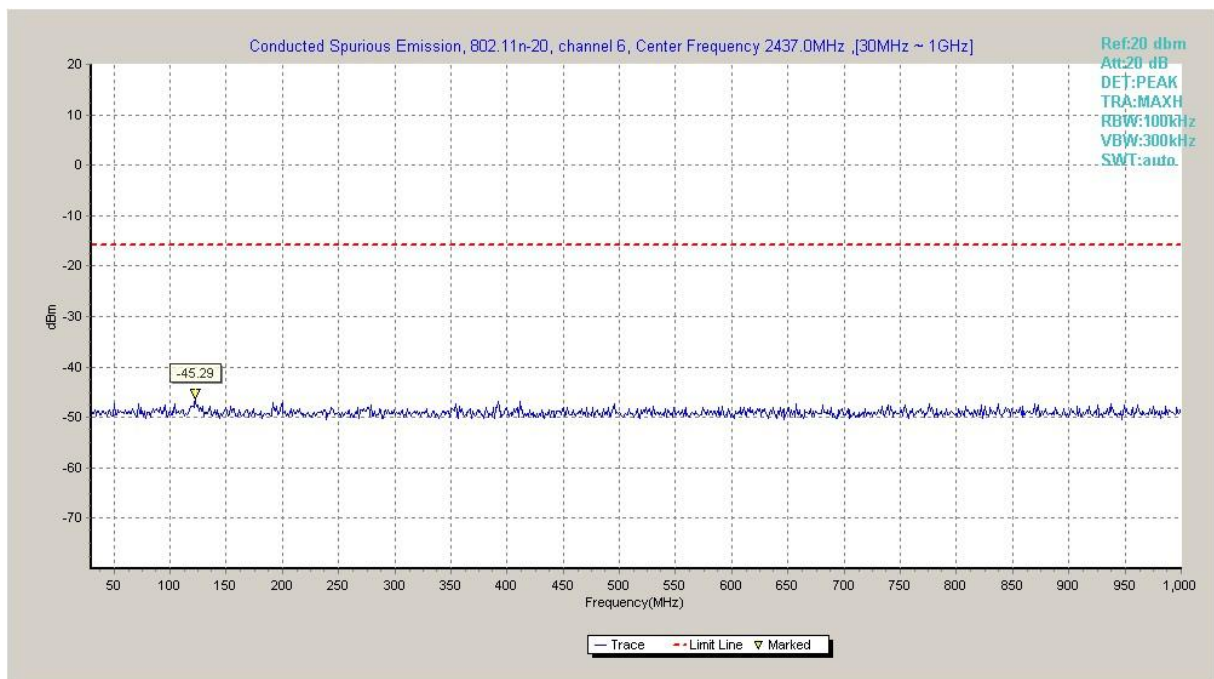


Fig.A.6.1.90 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz-1 GHz)

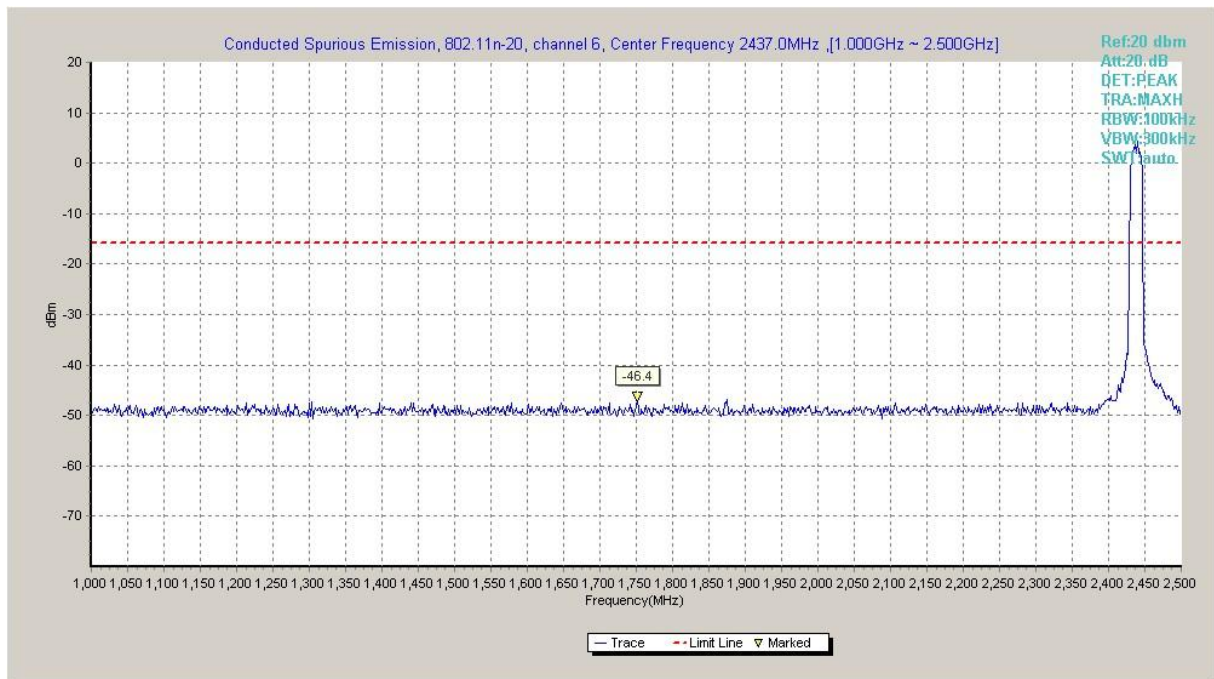


Fig.A.6.1.91 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz-2.5 GHz)

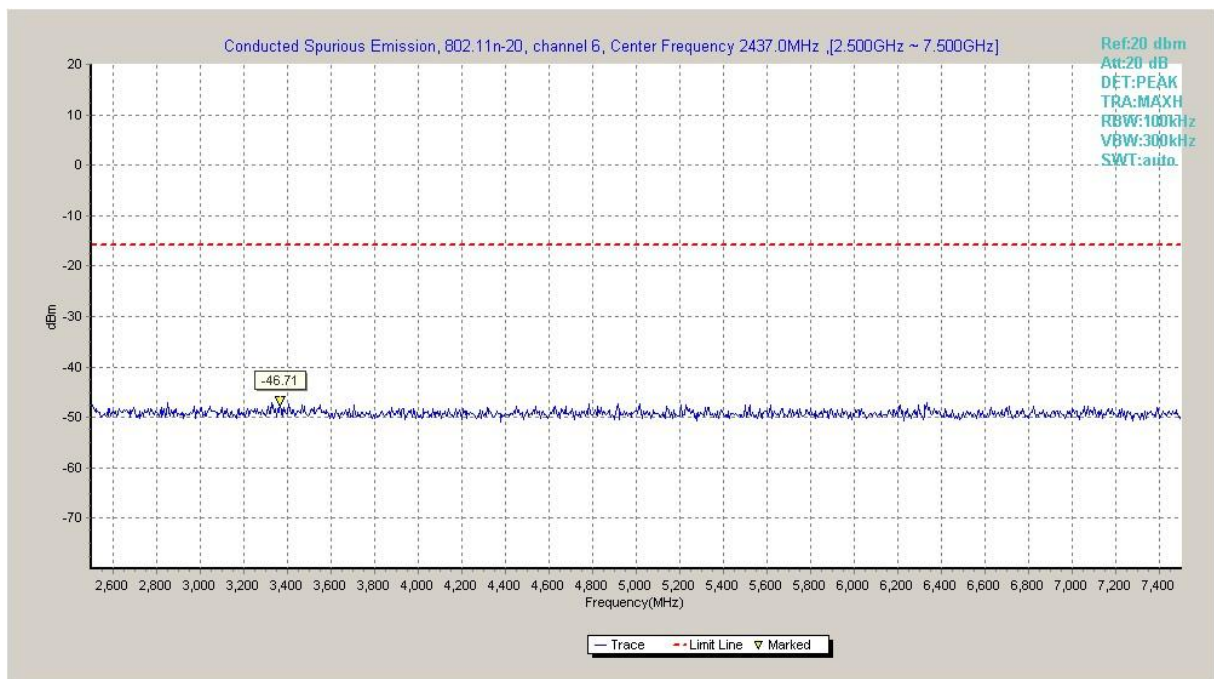


Fig.A.6.1.92 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)

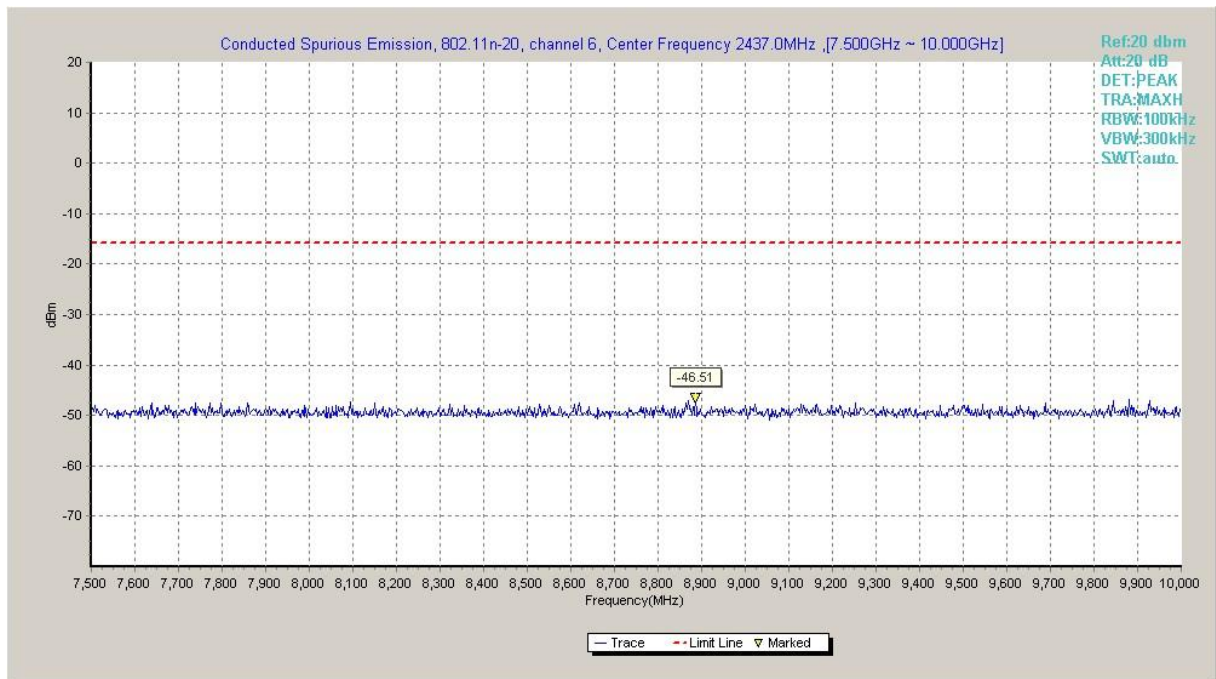


Fig.A.6.1.93 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)

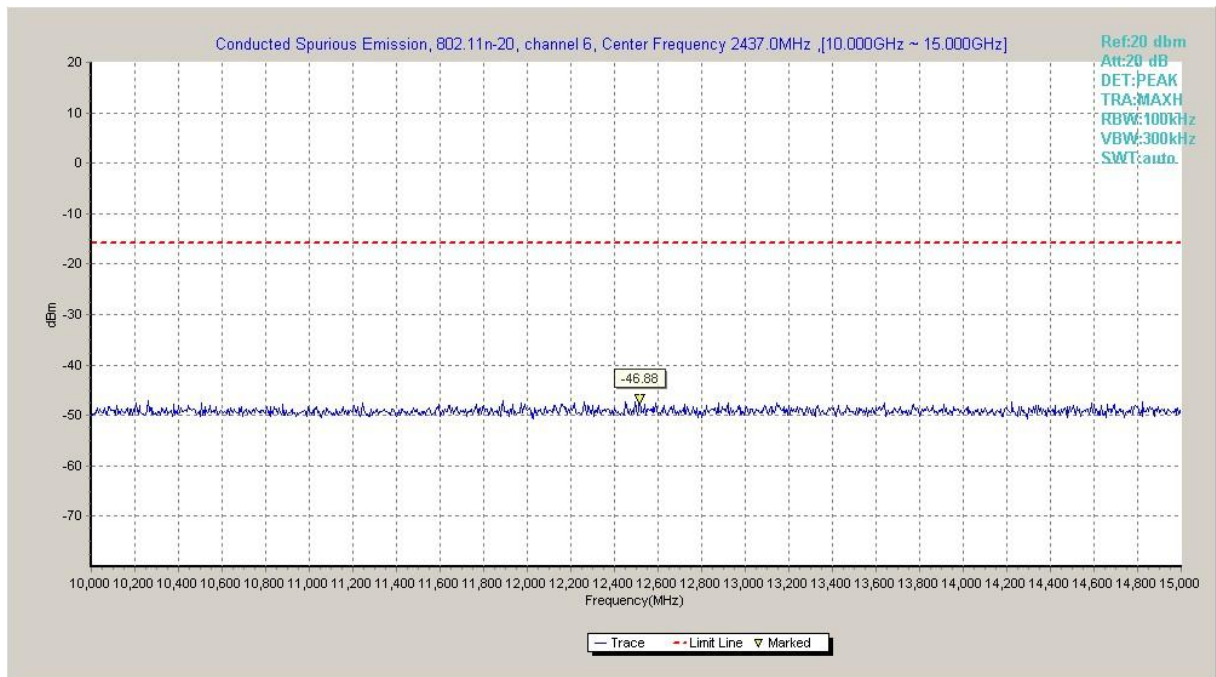


Fig.A.6.1.94 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 10 GHz-15 GHz)

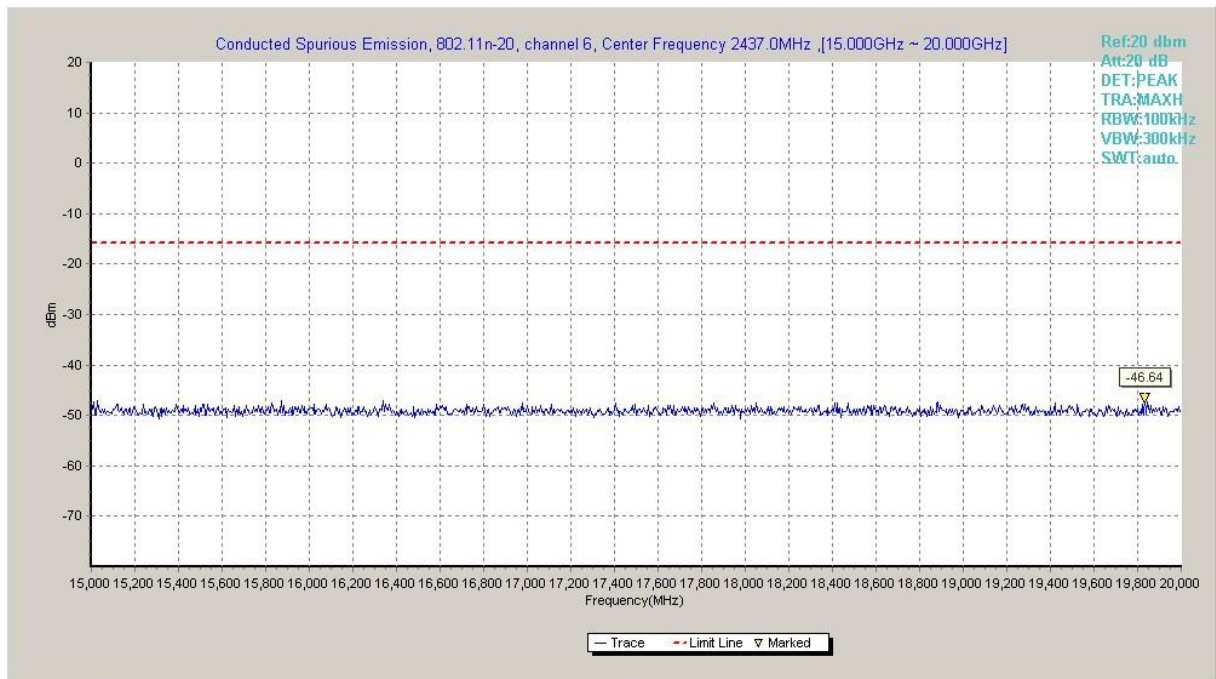


Fig.A.6.1.95 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)

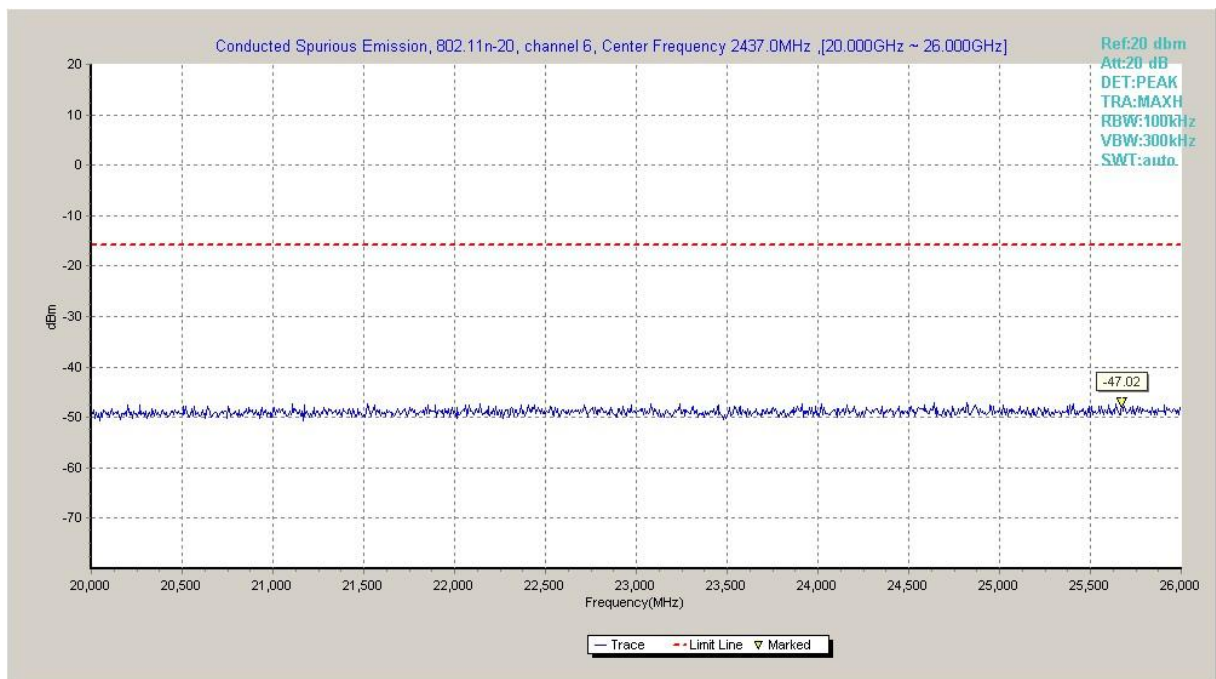


Fig.A.6.1.96 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)

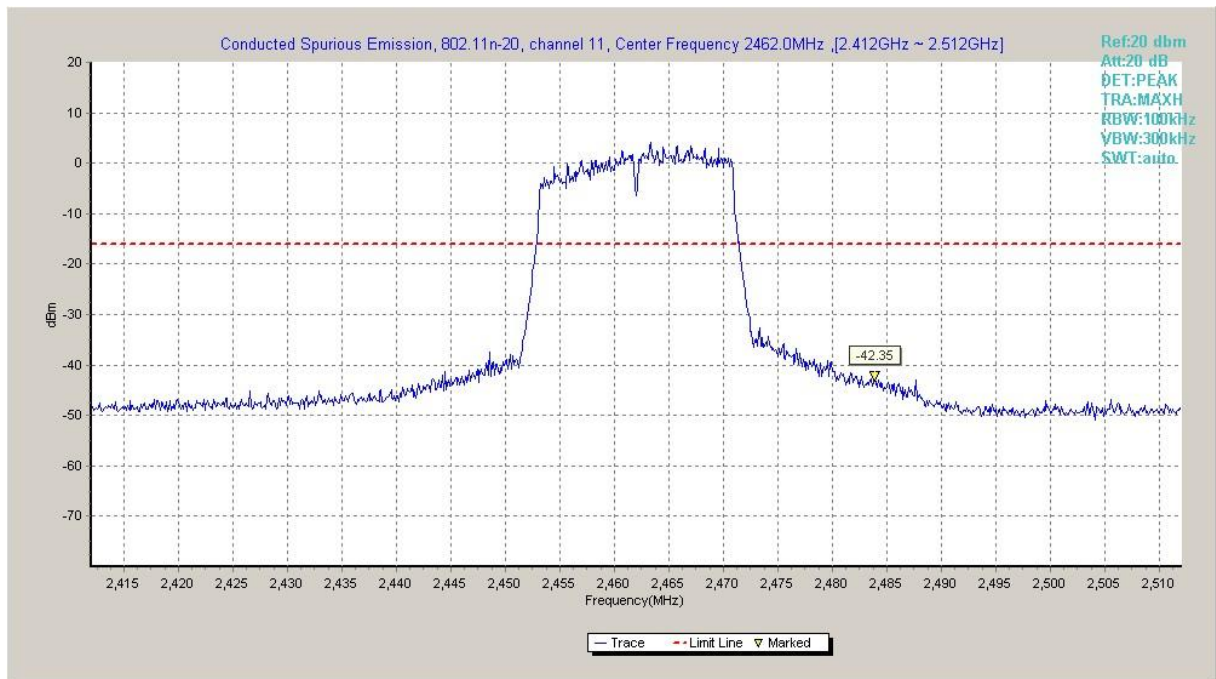


Fig.A.6.1.97 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)

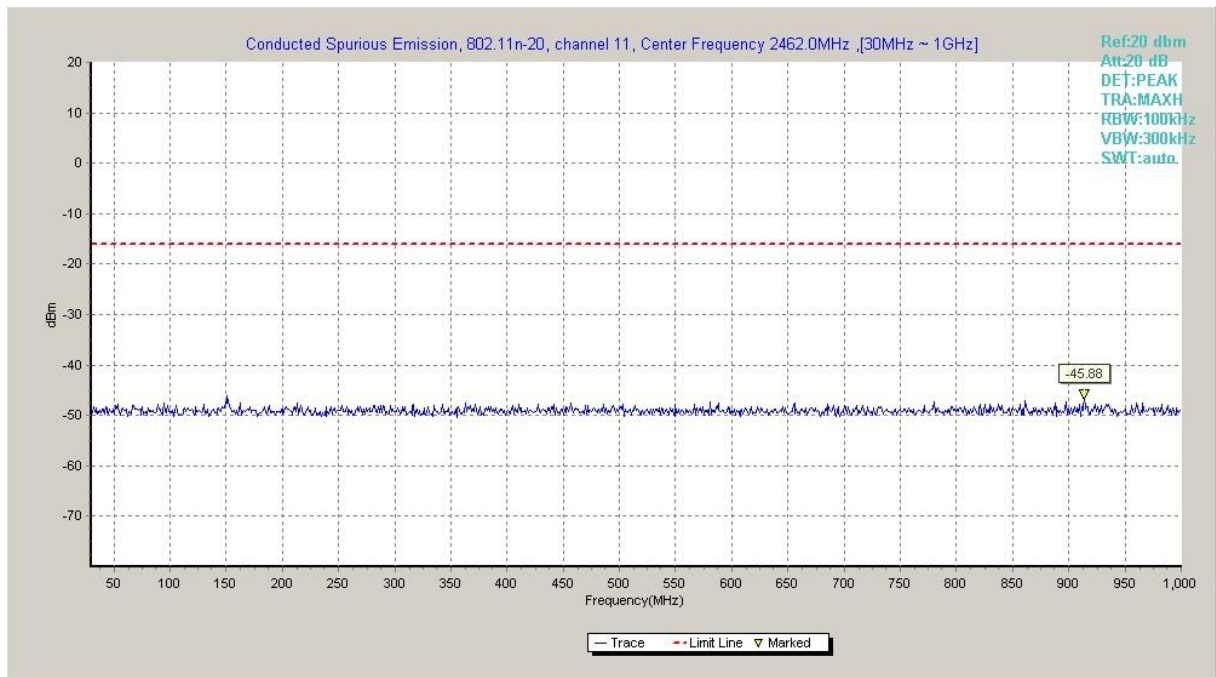


Fig.A.6.1.98 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz-1 GHz)

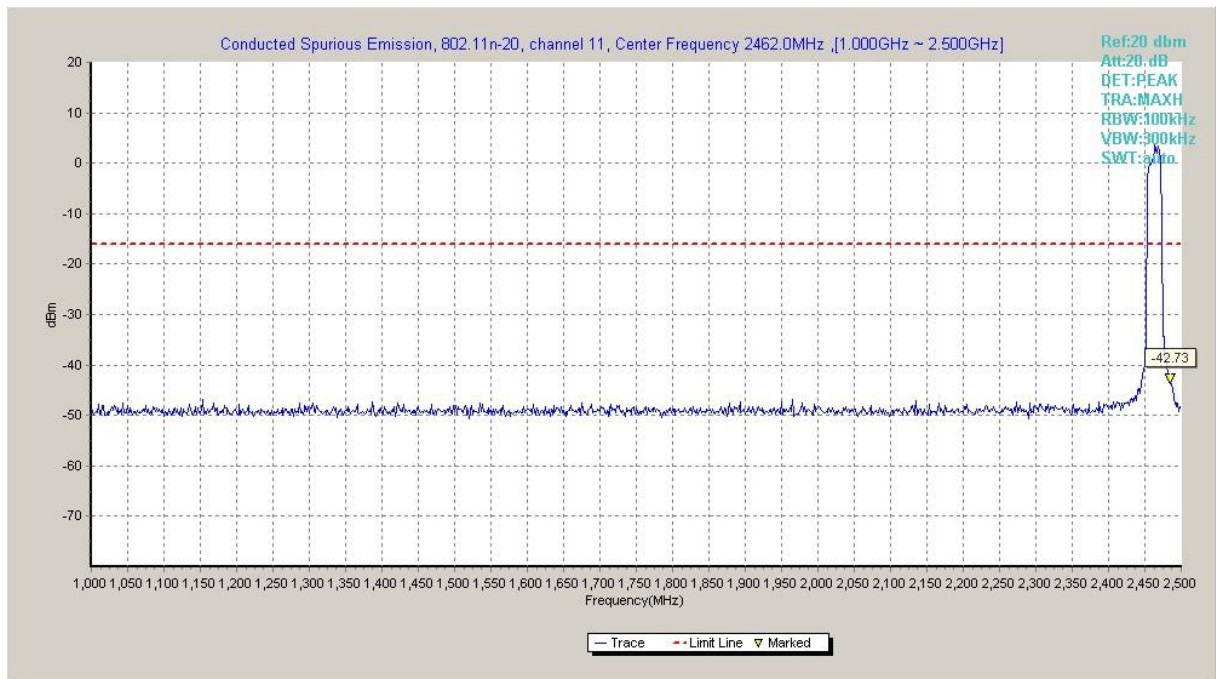


Fig.A.6.1.99 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz-2.5 GHz)

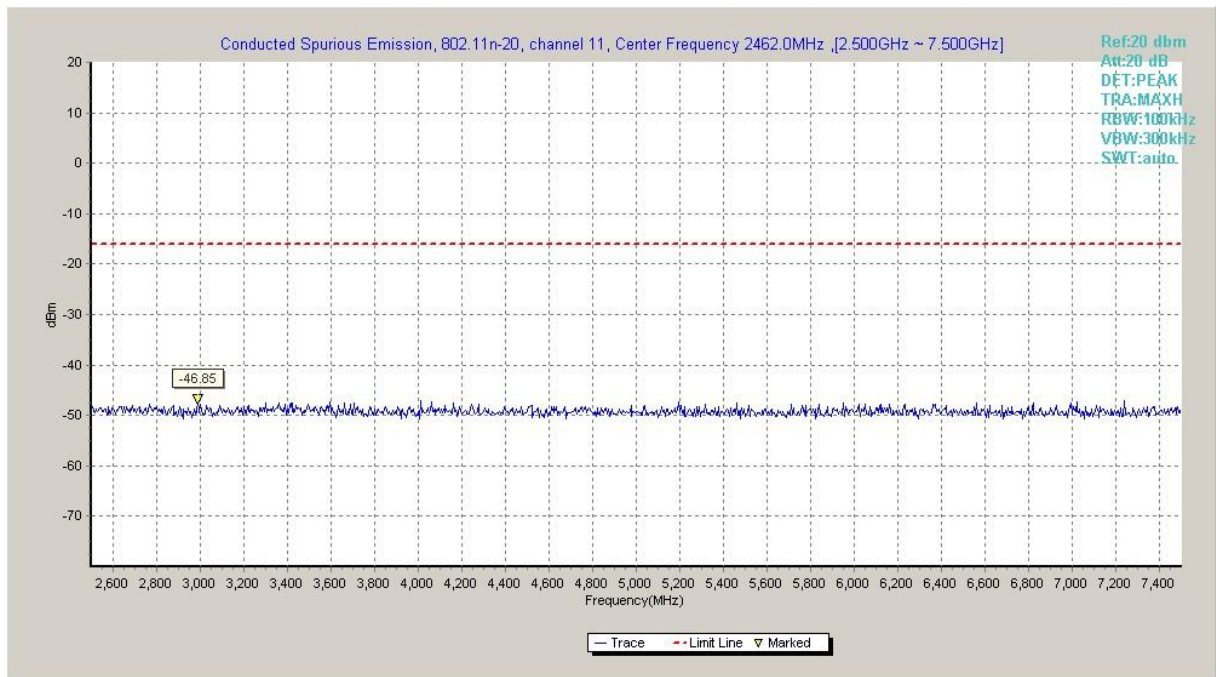


Fig.A.6.1.100 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)

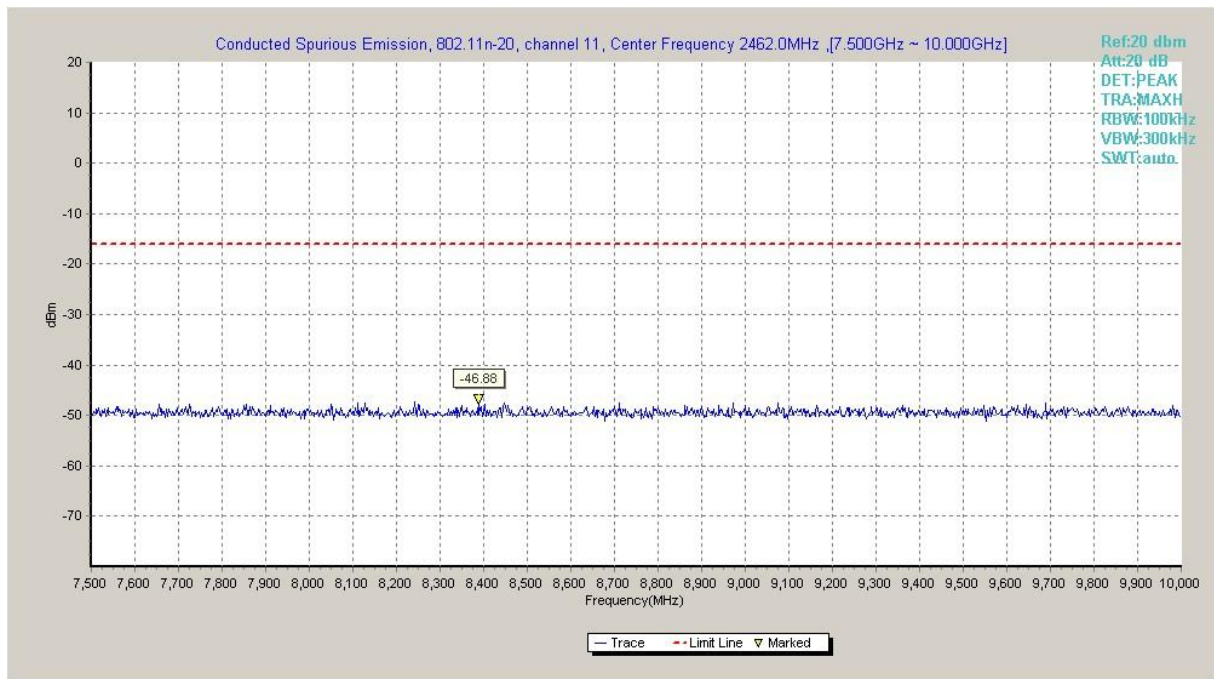


Fig.A.6.1.101 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)

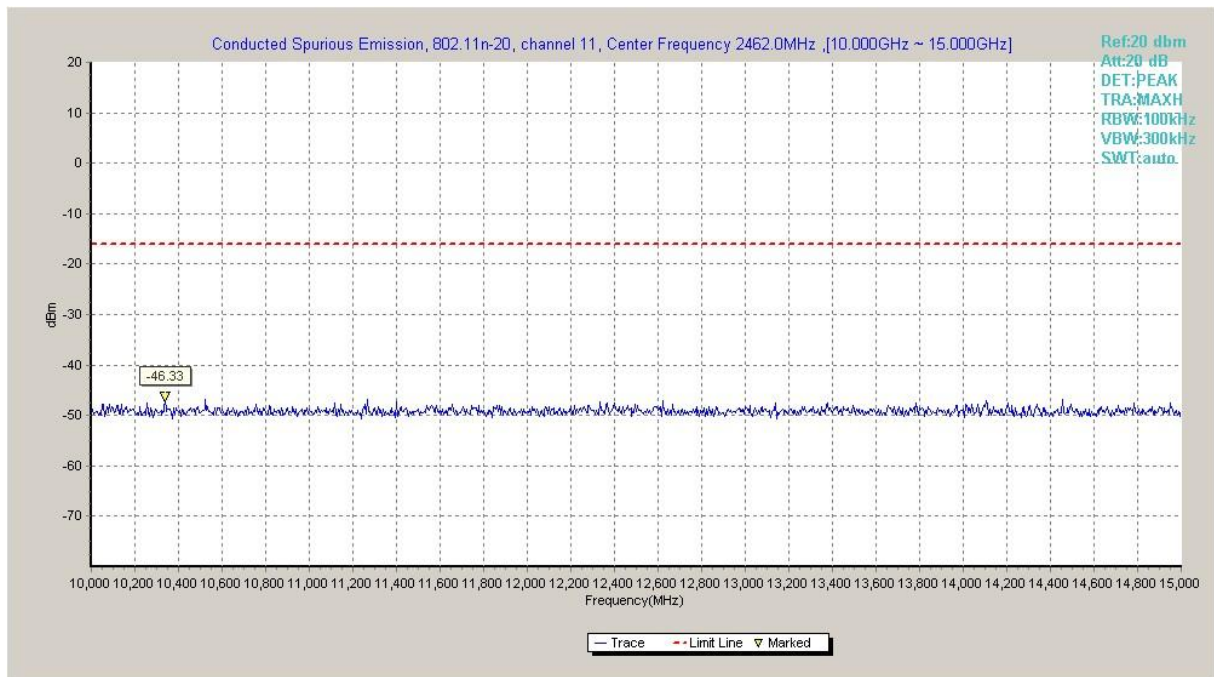


Fig.A.6.1.102 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)

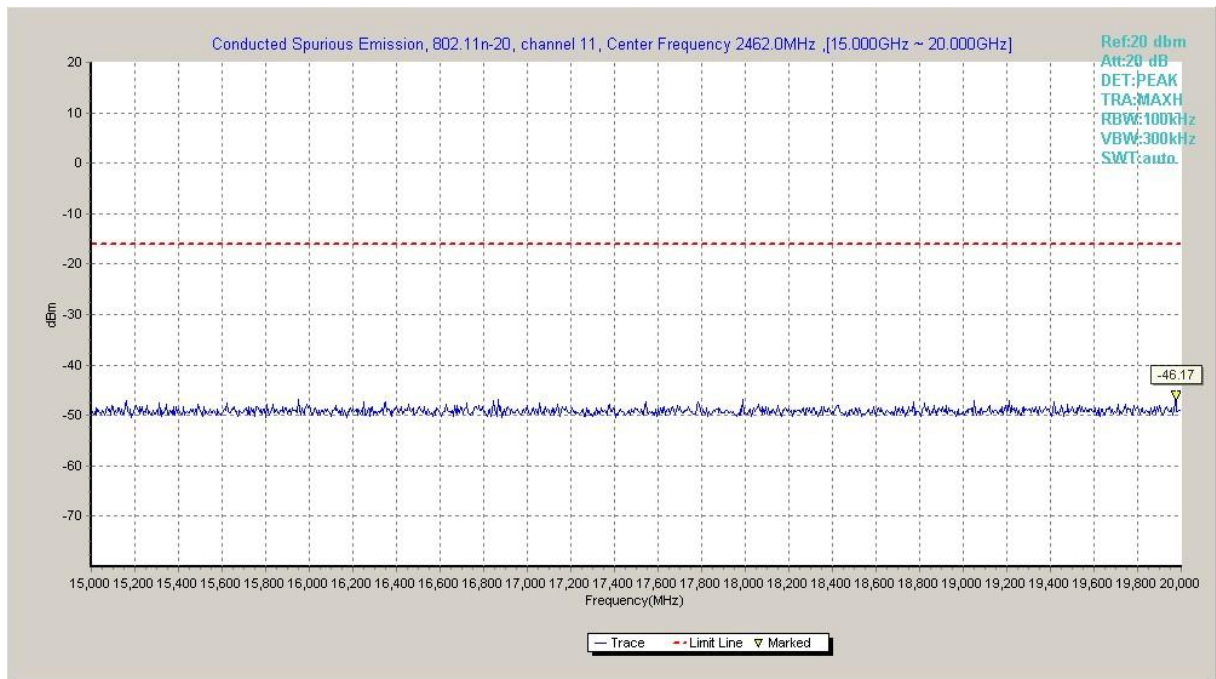


Fig.A.6.1.103 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)

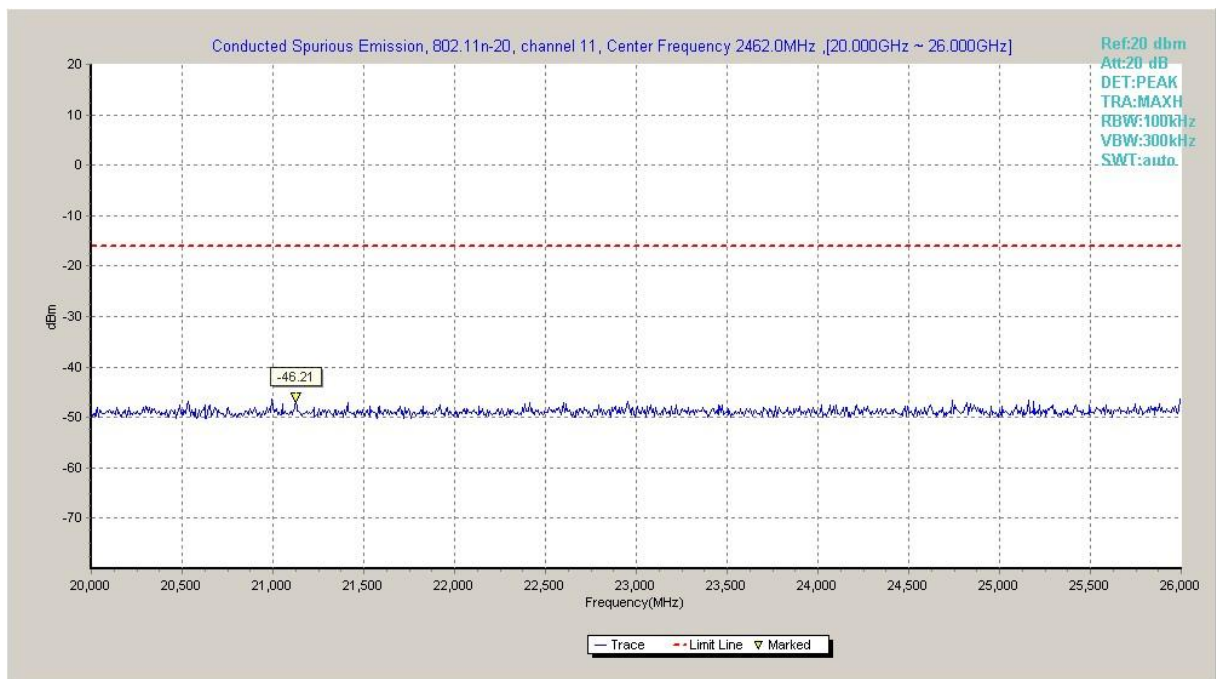


Fig.A.6.1.104 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)

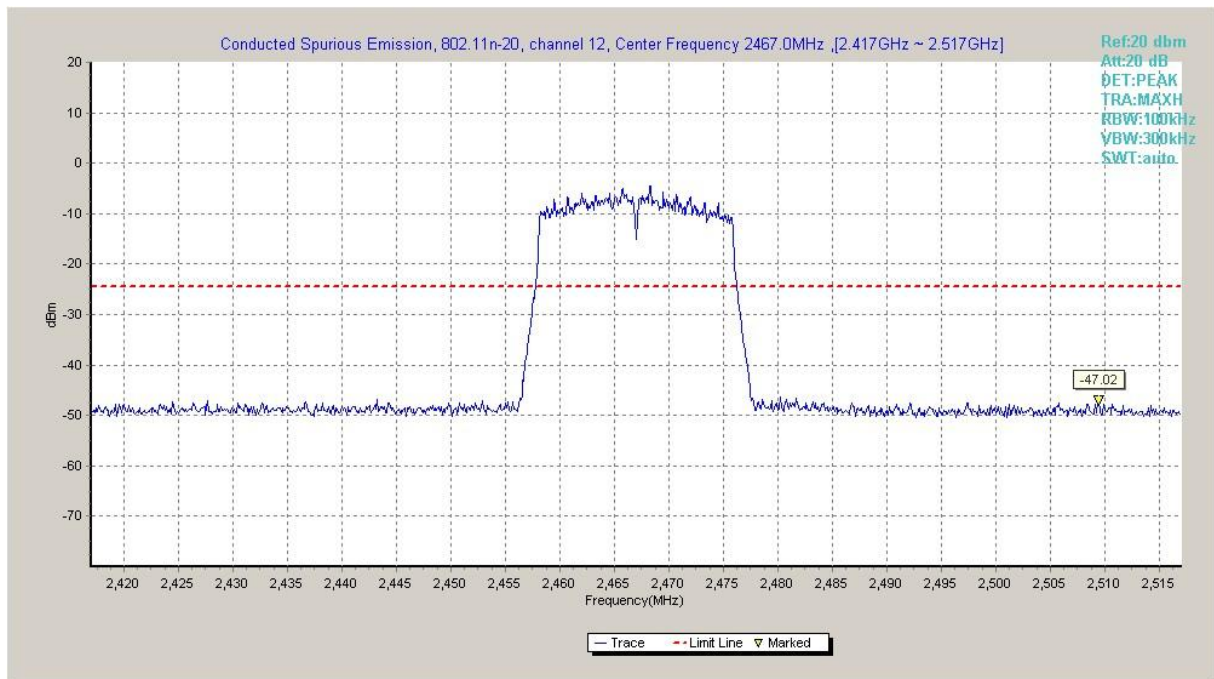


Fig.A.6.1.105 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, Center Frequency)

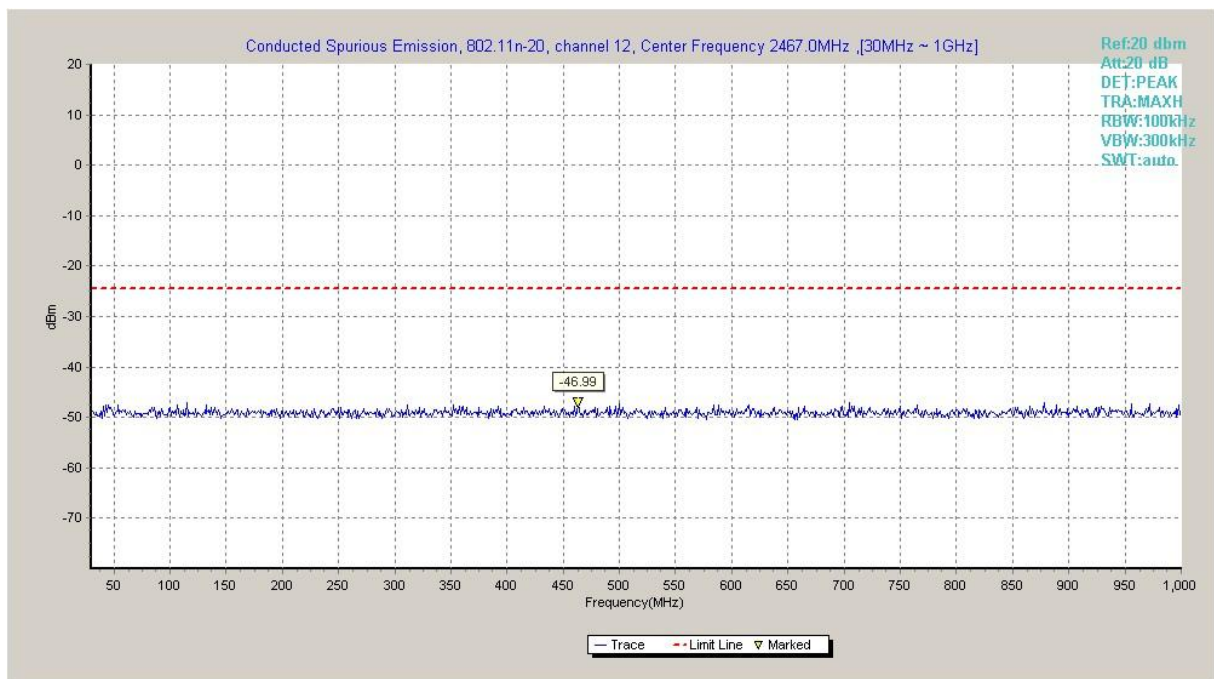


Fig.A.6.1.106 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, 30 MHz-1 GHz)

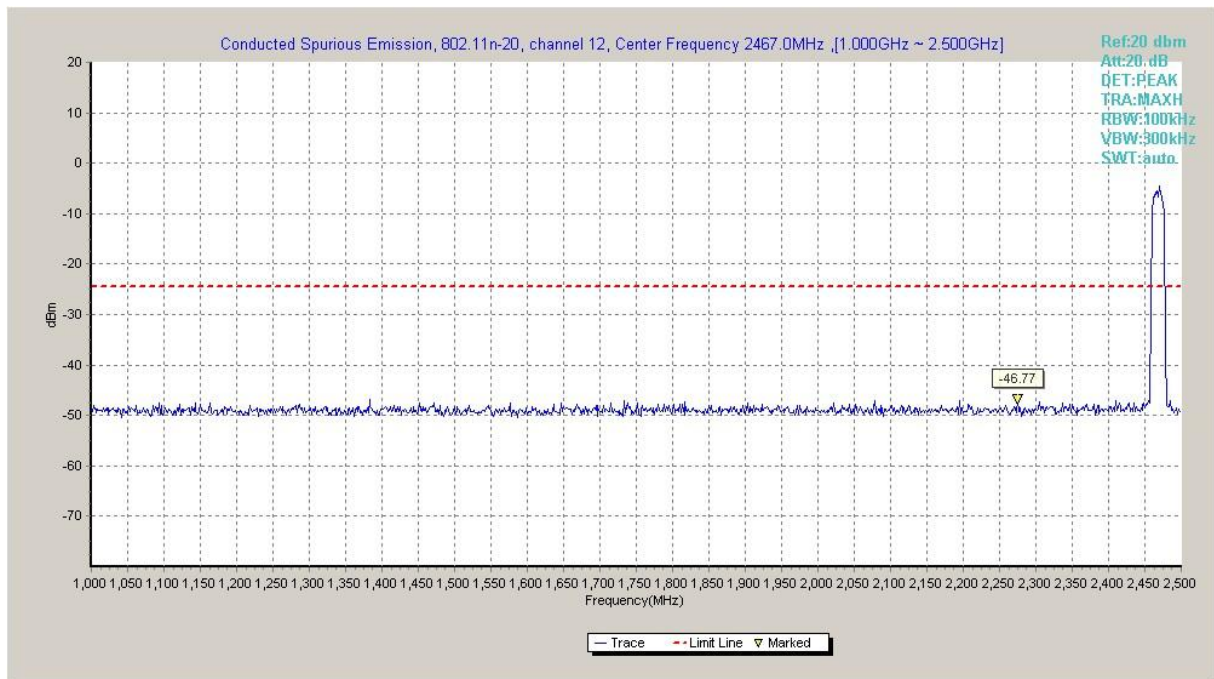


Fig.A.6.1.107 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, 1 GHz -2.5 GHz)

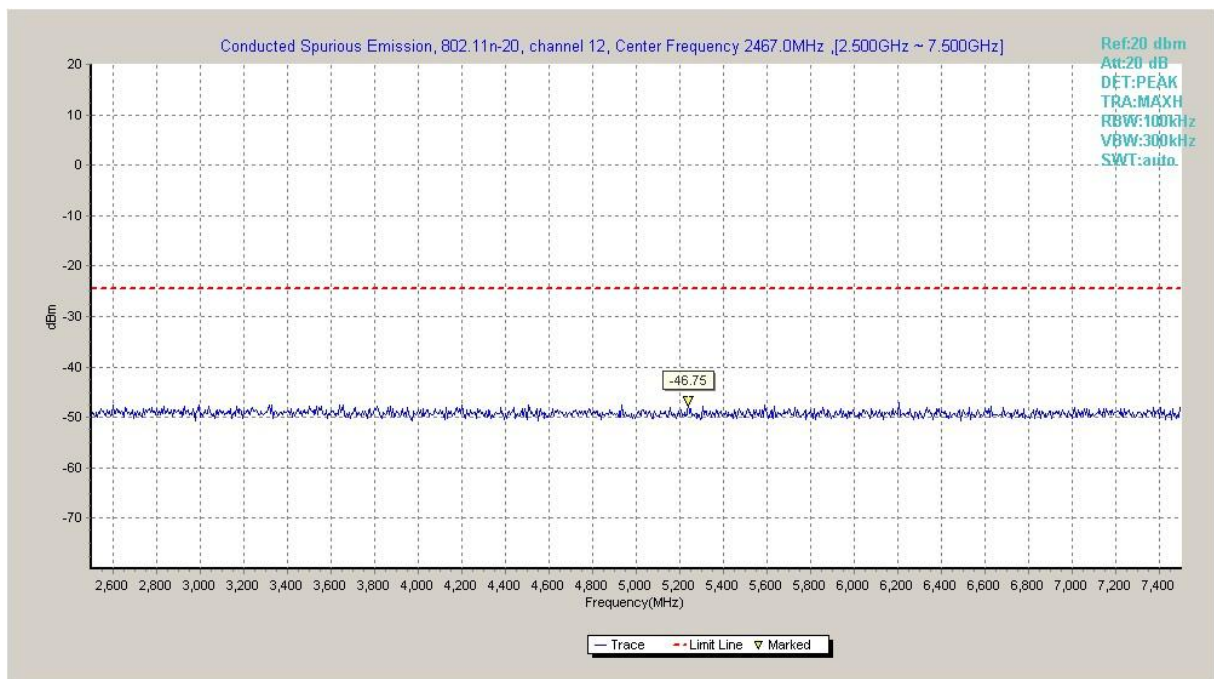


Fig.A.6.1.108 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, 2.5 GHz -7.5 GHz)

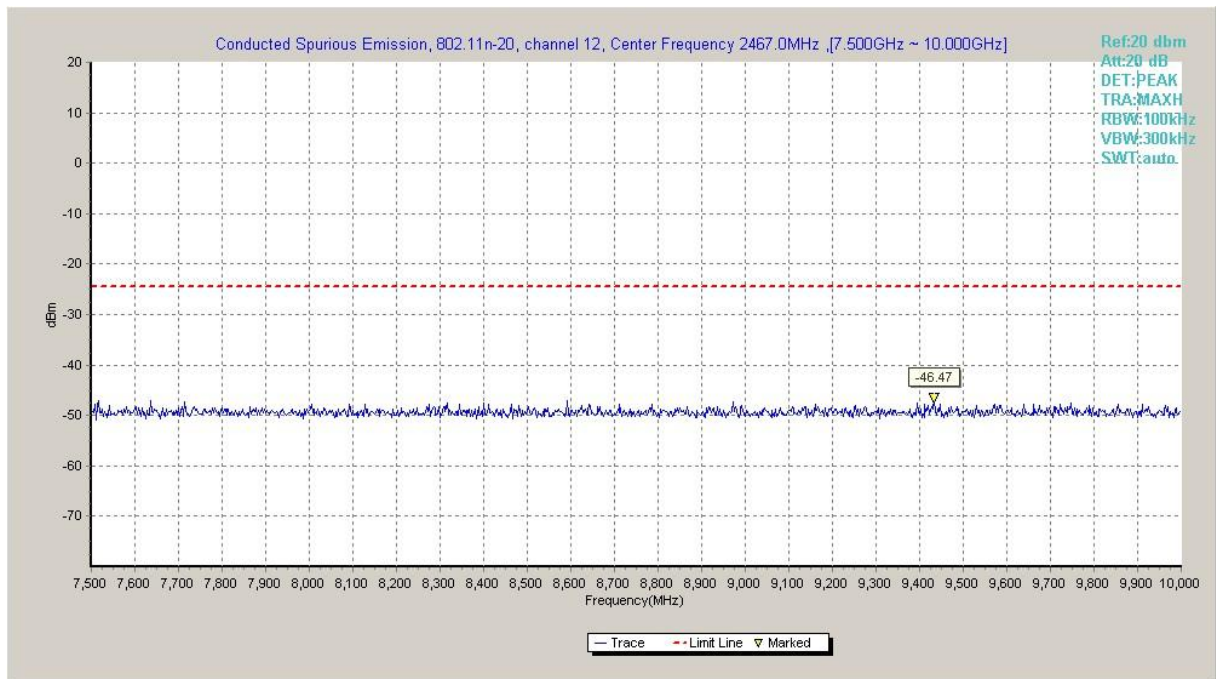


Fig.A.6.1.109 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, 7.5 GHz -10 GHz)

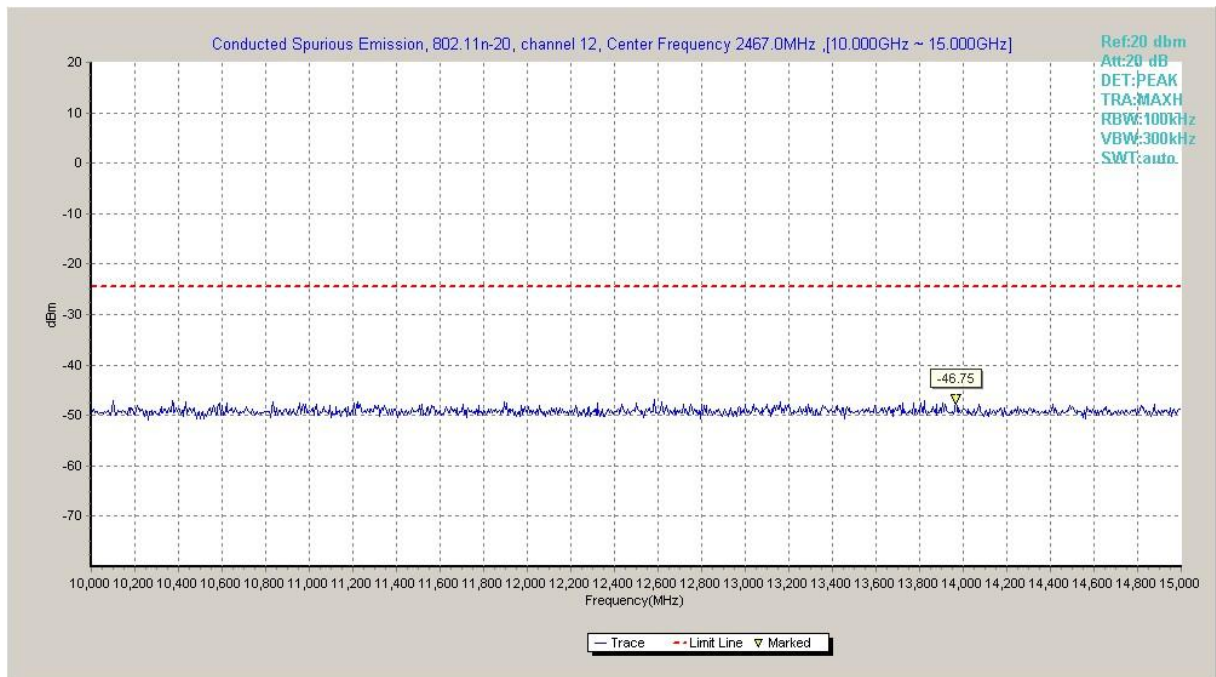


Fig.A.6.1.110 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, 10 GHz -15 GHz)

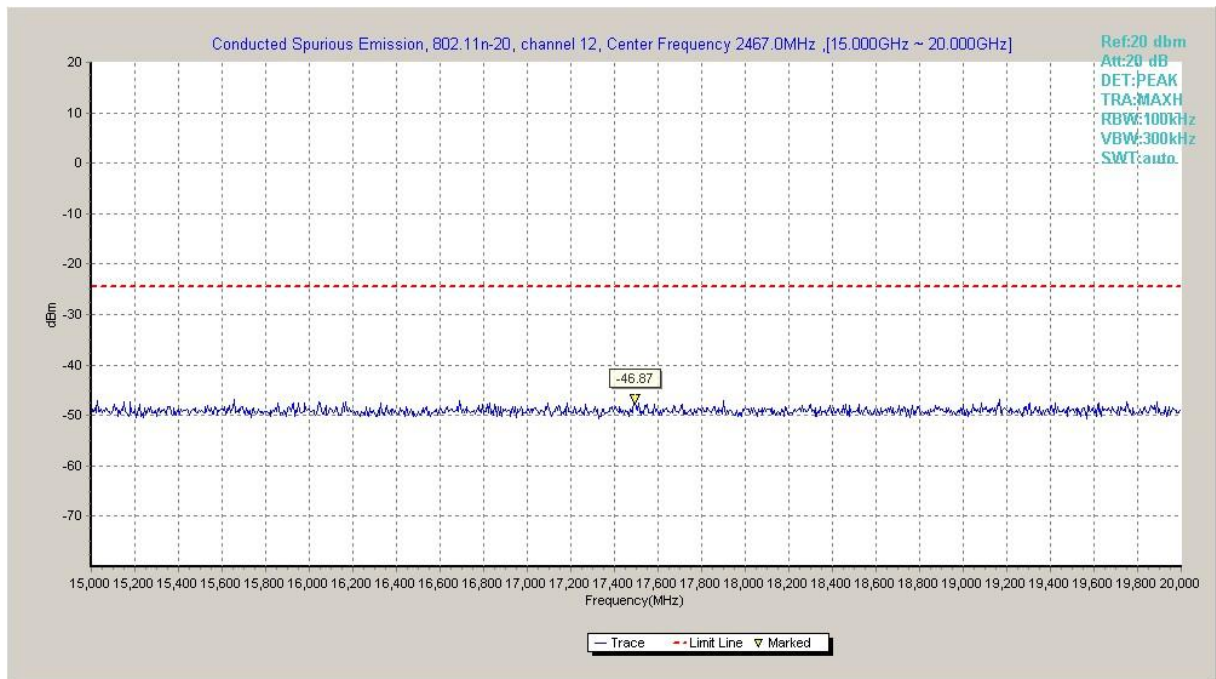


Fig.A.6.1.111 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, 15 GHz -20 GHz)

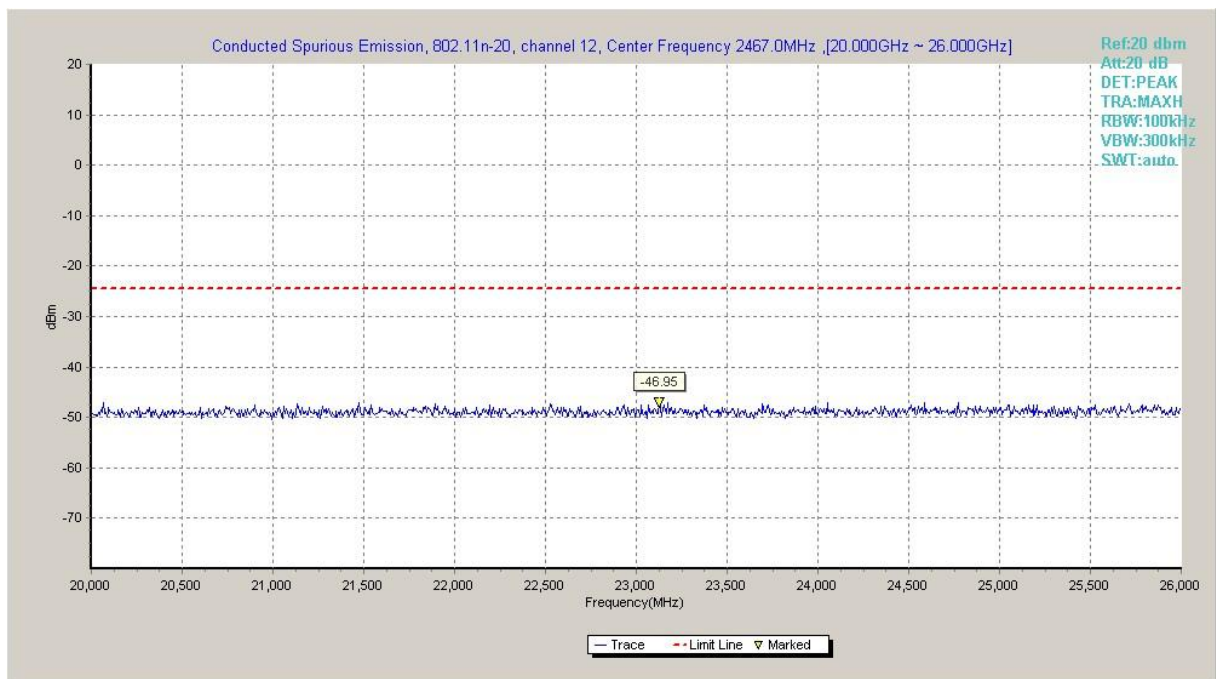


Fig.A.6.1.112 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch12, 20 GHz -26 GHz)

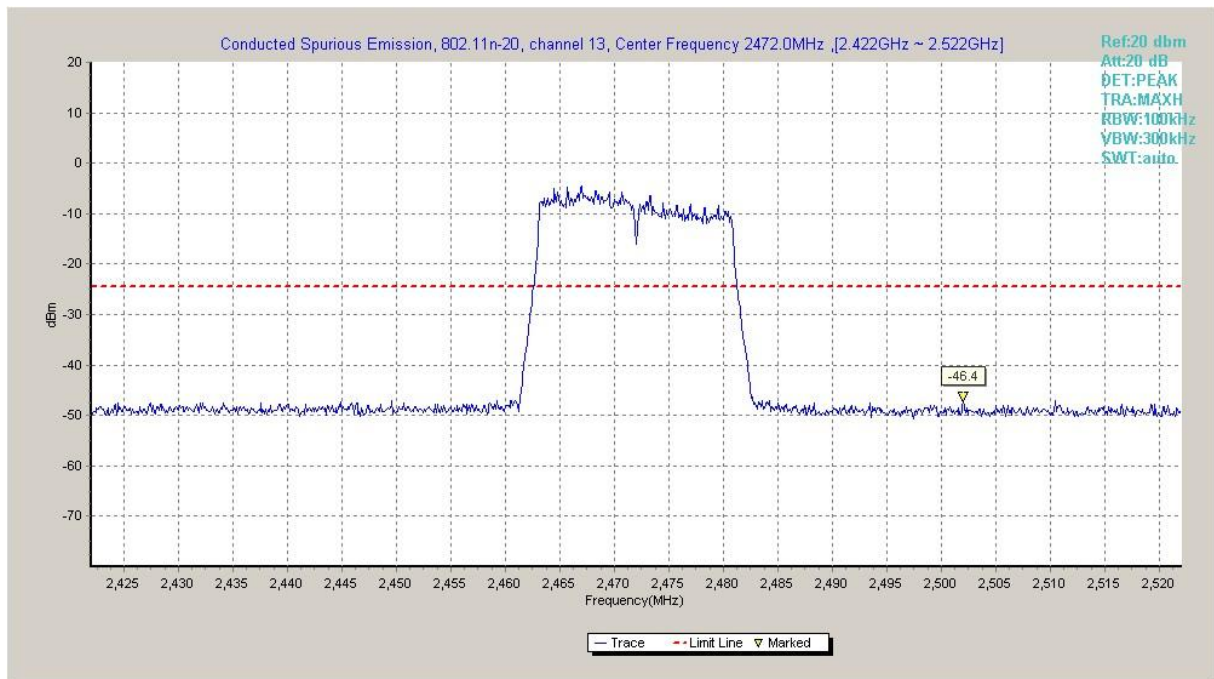


Fig.A.6.1.113 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, Center Frequency)

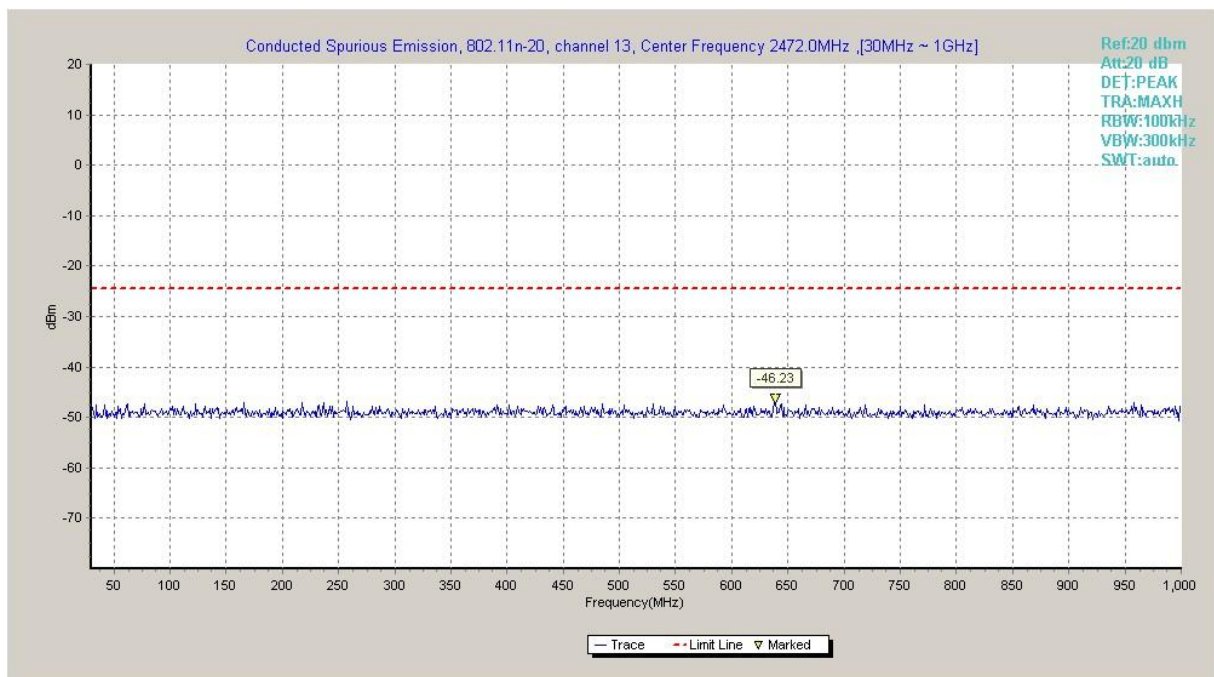


Fig.A.6.1.114 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, 30 MHz-1 GHz)

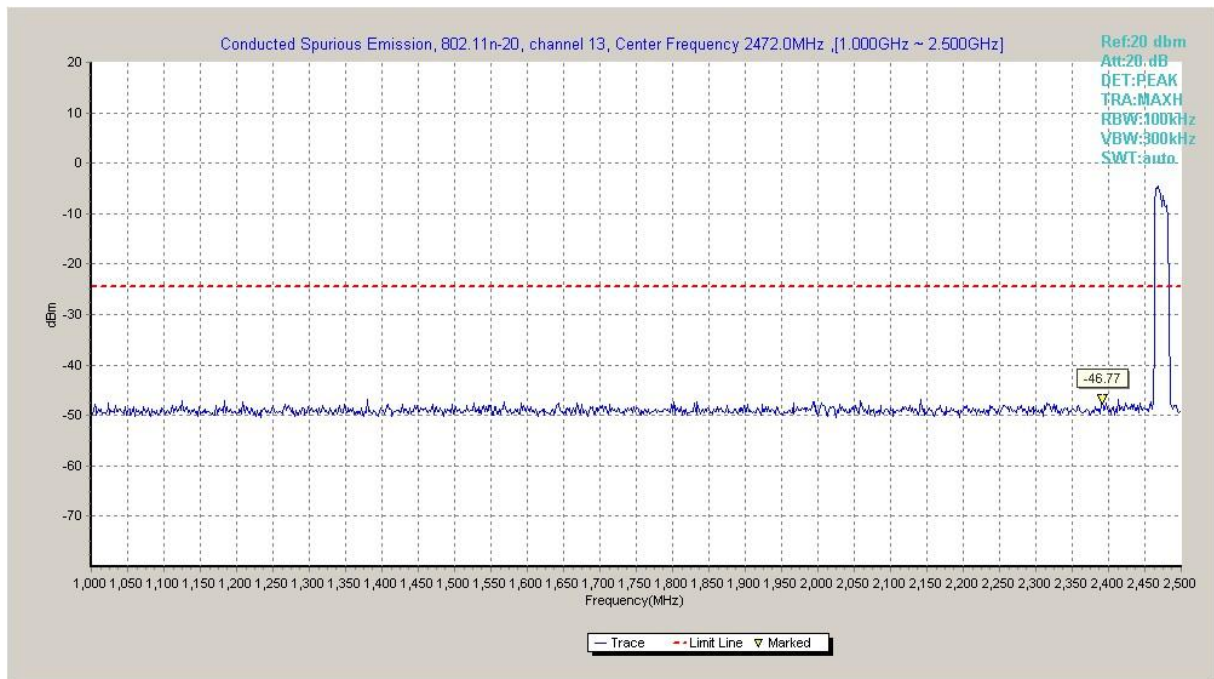


Fig.A.6.1.115 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, 1 GHz -2.5 GHz)

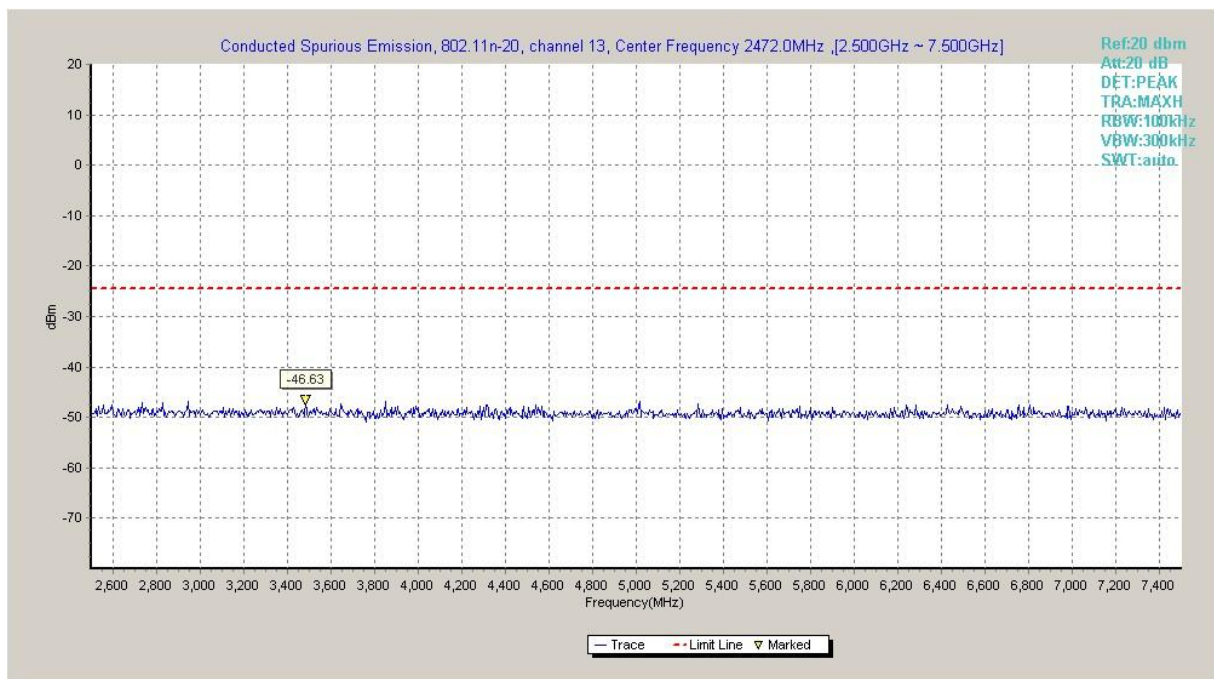


Fig.A.6.1.116 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, 2.5 GHz -7.5 GHz)

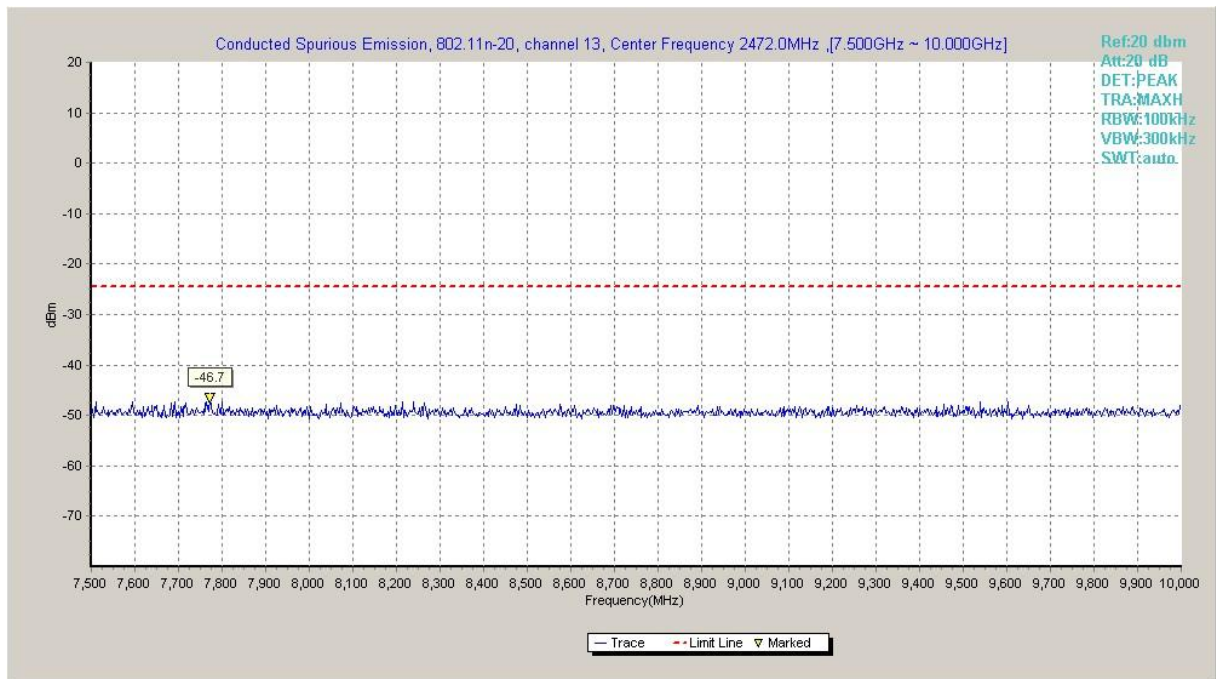


Fig.A.6.1.117 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, 7.5 GHz -10 GHz)

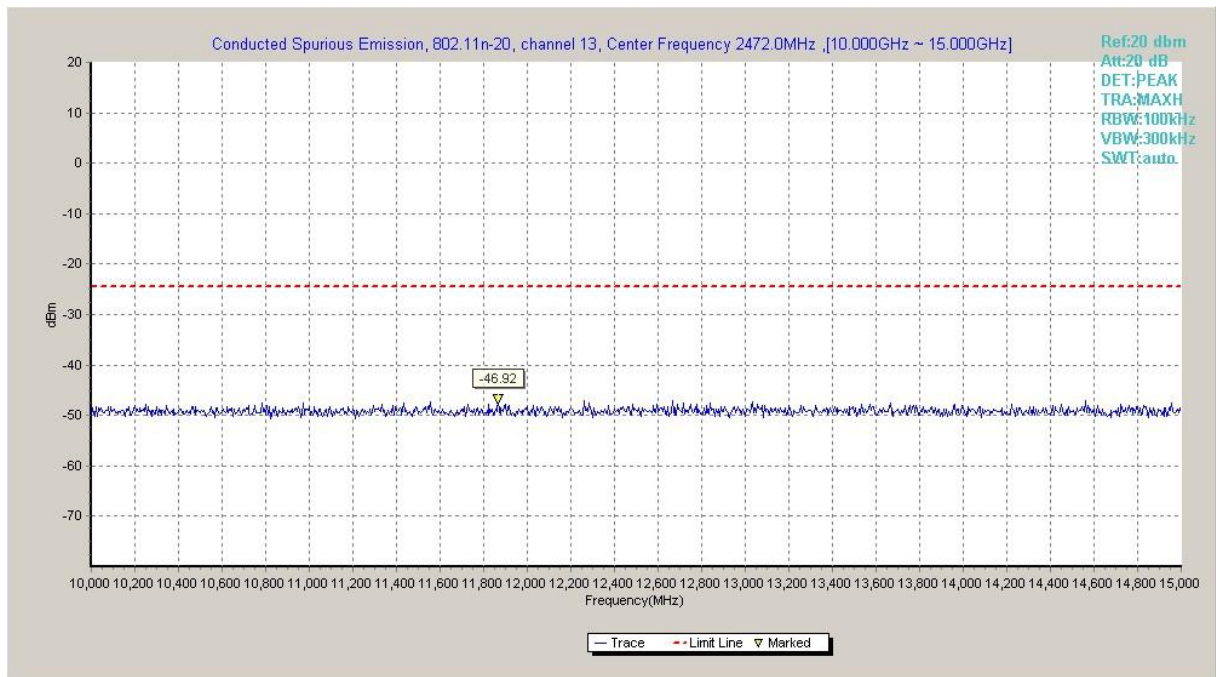


Fig.A.6.1.118 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, 10 GHz -15 GHz)

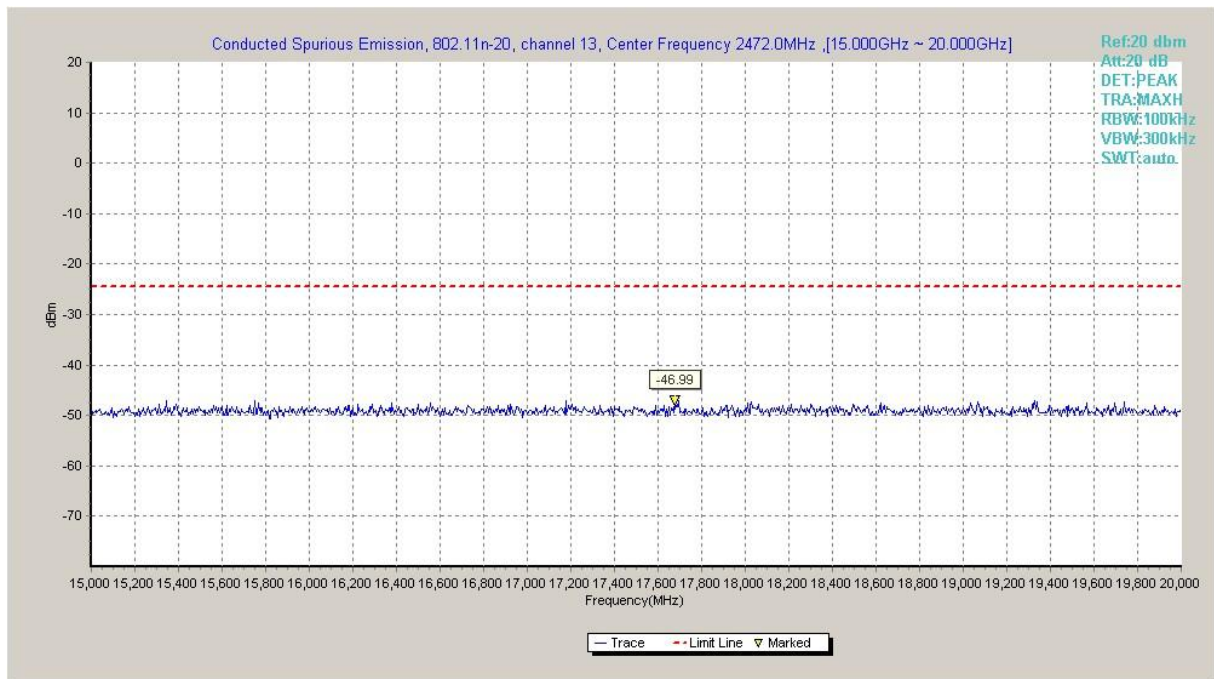


Fig.A.6.1.119 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, 15 GHz -20 GHz)

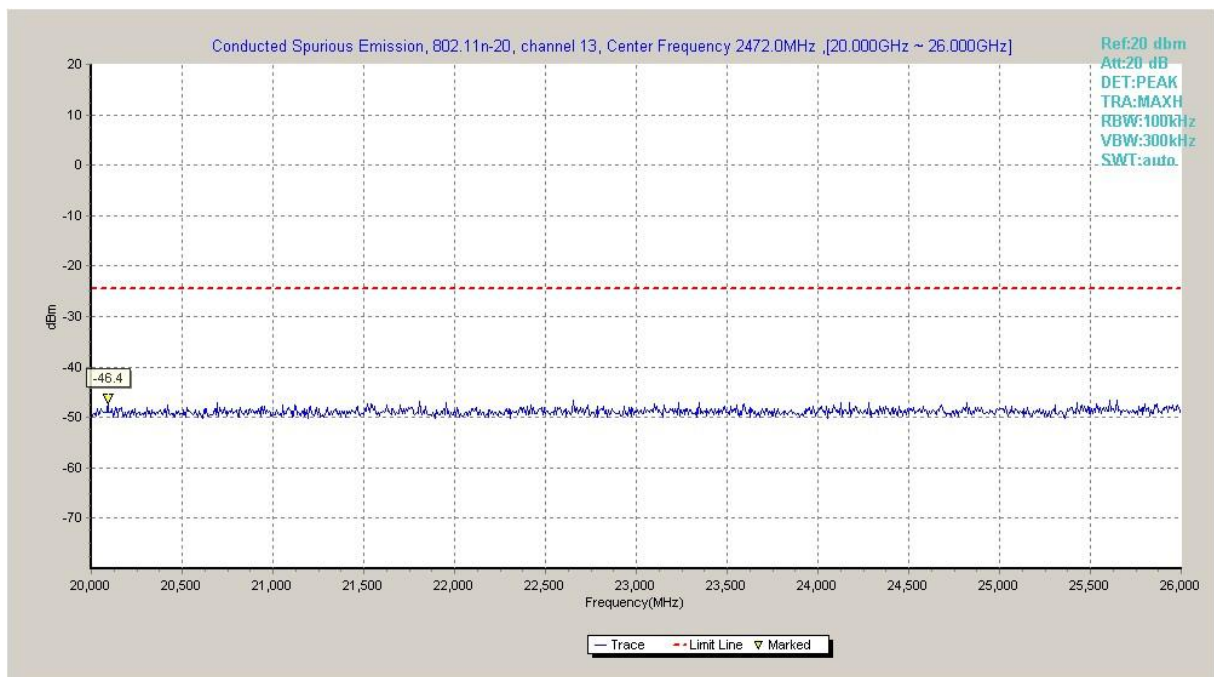


Fig.A.6.1.120 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch13, 20 GHz -26 GHz)

A.6.2 Transmitter Spurious Emission - Radiated

Method of Measurement: See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

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)).

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

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

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

EUT ID: EUT1

Measurement Results for Set.1:

802.11b mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power	2.38GHz ~2.43GHz	Fig.A.6.2.1	P
	1	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	6	9 kHz ~30 MHz	--	P
		30 MHz ~1 GHz	--	P
		1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
		18 GHz~ 26.5 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.2	P
	11	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.3	P
	12	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.4	P
	13	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P

802.11g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11g	Power	2.38GHz ~2.43GHz	Fig.A.6.2.5	P
	1	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	6	30 MHz ~1 GHz	--	P
		1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
		18 GHz~ 26.5 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.6	P
	11	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.7	P
	12	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.8	P
	13	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P

802.11n-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	Power	2.38GHz ~2.43GHz	Fig.A.6.2.9	P
	1	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	6	30 MHz ~1 GHz	--	P
		1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
		18 GHz~ 26.5 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.10	P
	11	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.11	P
	12	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	P
	Power	2.45GHz ~2.5GHz	Fig.A.6.2.12	P
	13	1 GHz ~ 3 GHz	--	P
		3 GHz ~ 18 GHz	--	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:

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



802.11b-Average

Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2383.510	46.27	2.9	32.0	11.39	54.0	7.7	H	155	8
2385.000	46.28	2.9	32.0	11.40	54.0	7.7	H	155	6
4824.000	35.01	-32.5	34.0	33.54	54.0	19.0	H	155	25
7236.000	37.93	-31.2	35.7	33.34	54.0	16.1	H	155	70
9648.000	39.10	-32.8	36.8	35.09	54.0	14.9	H	155	135
12060.000	42.88	-29.7	38.9	33.63	54.0	11.1	H	155	270

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2380.790	46.33	2.9	32.0	11.46	54.0	7.7	H	155	170
2485.620	46.45	2.9	32.1	11.43	54.0	7.6	H	155	150
4873.500	35.18	-32.5	34.0	33.71	54.0	18.8	H	155	20
7311.000	37.73	-31.3	35.8	33.30	54.0	16.3	H	155	180
9748.500	37.76	-32.4	37.0	33.19	54.0	16.2	H	155	202
12184.500	43.23	-29.3	38.9	33.57	54.0	10.8	H	155	8

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.750	46.47	2.9	32.1	11.45	54.0	7.5	H	155	25
2487.940	46.46	2.9	32.1	11.43	54.0	7.5	H	155	49
4924.500	35.18	-32.4	34.0	33.63	54.0	18.8	H	155	4
7386.000	37.74	-31.5	35.8	33.43	54.0	16.3	H	155	6
9847.500	39.69	-30.8	37.1	33.41	54.0	14.3	H	155	25
12310.500	43.68	-29.1	39.0	33.85	54.0	10.3	H	155	186

Ch12

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	46.46	2.9	32.8	10.76	54.0	7.5	H	155	46
2485.500	46.46	2.9	32.7	10.82	54.0	7.5	H	155	60
4934.000	35.30	-33.2	34.5	33.97	54.0	18.7	H	155	116
7401.000	37.81	-31.8	36.0	33.58	54.0	16.2	H	155	8
9868.000	40.07	-29.9	37.3	32.65	54.0	13.9	H	155	128
12335.000	43.85	-29.7	39.2	34.39	54.0	10.2	H	155	94

Ch13

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	46.68	2.9	32.8	10.99	54.0	7.3	H	155	226
2486.400	46.53	2.9	32.7	10.92	54.0	7.5	H	155	92
4944.000	35.12	-33.3	34.5	33.87	54.0	18.9	H	155	70
7416.000	37.86	-31.8	36.0	33.60	54.0	16.1	H	155	8
9888.000	40.34	-29.8	37.4	32.75	54.0	13.7	H	155	48
12360.000	44.00	-29.6	39.2	34.47	54.0	10.0	H	155	246

802.11b-Peak

Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2384.606	59.42	2.9	32.0	24.54	74.0	14.6	H	155	0
2388.736	59.62	2.9	32.0	24.74	74.0	14.4	V	155	0
4824.000	42.43	-32.5	34.0	40.96	74.0	31.6	V	155	22
7236.000	43.09	-31.2	35.7	38.50	74.0	30.9	V	155	66
9648.000	46.46	-32.8	36.8	42.45	74.0	27.5	V	155	132
12060.000	47.71	-29.7	38.9	38.45	74.0	26.3	V	155	274

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2370.230	47.88	-32.8	32.0	48.69	74.0	26.1	H	155	176
2579.220	49.04	-32.7	32.2	49.55	74.0	25.0	H	155	154
4874.250	47.12	-32.5	34.0	45.65	74.0	26.9	V	155	22
7311.000	43.22	-31.3	35.8	38.79	74.0	30.8	V	155	176
9748.500	44.13	-32.4	37.0	39.56	74.0	29.9	H	155	198
12185.250	46.93	-29.3	38.9	37.27	74.0	27.1	H	155	0

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2484.340	59.35	2.9	32.1	24.33	74.0	14.7	H	155	22
2489.380	59.99	2.9	32.1	24.97	74.0	14.0	V	155	44
4923.750	41.98	-32.4	34.0	40.42	74.0	32.0	H	155	0
7386.000	43.30	-31.5	35.8	38.99	74.0	30.7	H	155	0
9848.250	45.41	-30.8	37.1	39.11	74.0	28.6	H	155	22
12309.750	47.32	-29.1	39.0	37.48	74.0	26.7	H	155	176

Ch12

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2485.010	59.44	2.9	32.7	23.79	74.0	14.6	H	155	44
2489.310	59.96	2.9	32.6	24.42	74.0	14.0	H	155	66
4934.250	38.92	-33.2	34.5	37.60	74.0	35.1	V	155	110
7401.000	41.72	-31.8	36.0	37.49	74.0	32.3	V	155	0
9867.750	42.79	-29.9	37.3	35.37	74.0	31.2	H	155	132
12335.250	46.36	-29.7	39.2	36.89	74.0	27.6	H	155	88



Ch13

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2488.900	59.88	2.9	32.6	24.34	74.0	14.1	H	155	220
2492.500	60.40	2.9	32.5	24.96	74.0	13.6	V	155	88
4944.000	39.60	-33.3	34.5	38.35	74.0	34.4	H	155	66
7416.000	42.03	-31.8	36.0	37.77	74.0	32.0	H	155	0
9888.000	43.75	-29.8	37.4	36.16	74.0	30.3	H	155	44
12360.000	44.56	-29.6	39.2	35.03	74.0	29.4	V	155	242

802.11g - Average

Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2385.802	46.39	2.9	32.0	11.51	54.0	7.6	H	155	4
2389.800	46.65	2.9	32.0	11.76	54.0	7.4	H	155	2
4824.000	34.78	-32.5	34.0	33.31	54.0	19.2	H	155	25
7236.000	37.84	-31.2	35.7	33.25	54.0	16.2	H	155	350
9648.000	37.57	-32.8	36.8	33.57	54.0	16.4	H	155	92
12060.000	42.79	-29.7	38.9	33.53	54.0	11.2	H	155	85

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2384.630	46.31	2.9	32.0	11.43	54.0	7.7	H	155	135
2487.490	46.44	2.9	32.1	11.41	54.0	7.6	H	155	160
4873.500	34.80	-32.5	34.0	33.34	54.0	19.2	H	155	92
7311.000	37.58	-31.3	35.8	33.15	54.0	16.4	H	155	115
9748.500	37.75	-32.4	37.0	33.18	54.0	16.2	H	155	112
12184.500	43.23	-29.3	38.9	33.57	54.0	10.8	H	155	85

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.602	46.46	2.9	32.1	11.44	54.0	7.5	H	155	46
2488.302	46.45	2.9	32.1	11.43	54.0	7.5	H	155	60
4924.500	34.95	-32.4	34.0	33.39	54.0	19.1	H	155	116
7386.000	37.92	-31.5	35.8	33.61	54.0	16.1	H	155	8
9847.500	38.01	-30.8	37.1	31.72	54.0	16.0	H	155	128
12310.500	42.89	-29.1	39.0	33.06	54.0	11.1	H	155	94

Ch12

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	46.54	2.9	32.8	10.85	54.0	7.5	H	155	8
2489.800	46.59	2.9	32.6	11.07	54.0	7.4	H	155	6
4934.000	35.25	-33.2	34.5	33.93	54.0	18.7	H	155	25
7401.000	37.78	-31.8	36.0	33.55	54.0	16.2	H	155	70
9868.000	40.05	-29.9	37.3	32.63	54.0	14.0	H	155	135
12335.000	43.89	-29.7	39.2	34.43	54.0	10.1	H	155	270

Ch13

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	46.73	2.9	32.8	11.03	54.0	7.3	H	155	25
2483.800	46.68	2.9	32.8	11.00	54.0	7.3	H	155	49
4944.000	35.13	-33.3	34.5	33.88	54.0	18.9	H	155	4
7416.000	37.87	-31.8	36.0	33.61	54.0	16.1	H	155	6
9888.000	40.39	-29.8	37.4	32.80	54.0	13.6	H	155	25
12360.000	43.98	-29.6	39.2	34.46	54.0	10.0	H	155	186



802.11g - Peak
Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2385.726	59.60	2.9	32.0	24.72	74.0	14.4	H	155	0
2389.422	59.96	2.9	32.0	25.07	74.0	14.0	H	155	0
4824.000	41.66	-32.5	34.0	40.19	74.0	32.3	V	155	22
7236.000	43.81	-31.2	35.7	39.22	74.0	30.2	V	155	352
9648.000	43.63	-32.8	36.8	39.62	74.0	30.4	V	155	88
12060.000	47.41	-29.7	38.9	38.15	74.0	26.6	V	155	88

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2375.490	47.88	-32.3	32.0	48.20	74.0	26.1	H	155	132
2503.400	48.59	-32.0	32.1	48.51	74.0	25.4	H	155	154
4874.250	42.59	-32.5	34.0	41.13	74.0	31.4	V	155	88
7311.000	43.47	-31.3	35.8	39.04	74.0	30.5	H	155	110
9747.750	43.05	-32.4	37.0	38.50	74.0	30.9	V	155	110
12185.250	47.33	-29.3	38.9	37.66	74.0	26.7	V	155	88

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2485.410	59.83	2.9	32.1	24.80	74.0	14.2	H	155	44
2483.980	59.96	2.9	32.1	24.94	74.0	14.0	H	155	66
4923.750	41.63	-32.4	34.0	40.08	74.0	32.4	V	155	110
7386.000	42.62	-31.5	35.8	38.31	74.0	31.4	V	155	0
9848.250	44.99	-30.8	37.1	38.69	74.0	29.0	H	155	132
12310.500	47.35	-29.1	39.0	37.51	74.0	26.7	H	155	88



Ch12

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2487.210	60.06	2.9	32.7	24.46	74.0	13.9	H	155	0
2497.810	60.05	2.9	32.4	24.74	74.0	14.0	V	155	0
4934.250	39.86	-33.2	34.5	38.54	74.0	34.1	V	155	22
7401.000	40.62	-31.8	36.0	36.39	74.0	33.4	V	155	66
9867.750	43.52	-29.9	37.3	36.11	74.0	30.5	V	155	132
12335.250	45.16	-29.7	39.2	35.70	74.0	28.8	V	155	274

Ch13

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2486.490	60.08	2.9	32.7	24.46	74.0	13.9	H	155	22
2489.220	59.83	2.9	32.6	24.29	74.0	14.2	V	155	44
4944.000	39.67	-33.3	34.5	38.42	74.0	34.3	H	155	0
7416.000	41.26	-31.8	36.0	37.00	74.0	32.7	H	155	0
9888.000	44.13	-29.8	37.4	36.55	74.0	29.9	H	155	22
12360.000	46.56	-29.6	39.2	37.03	74.0	27.4	H	155	176

802.11n-HT20-Average

Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2388.520	46.42	2.9	32.0	11.54	54.0	7.6	H	155	92
2389.403	46.56	2.9	32.0	11.68	54.0	7.4	H	155	136
4824.000	34.94	-32.5	34.0	33.47	54.0	19.1	H	155	8
7236.000	37.99	-31.2	35.7	33.40	54.0	16.0	H	155	70
9648.000	37.76	-32.8	36.8	33.75	54.0	16.2	H	155	48
12060.000	42.91	-29.7	38.9	33.66	54.0	11.1	H	155	246

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2380.890	46.30	2.9	32.0	11.43	54.0	7.7	H	155	226
2484.490	46.43	2.9	32.1	11.41	54.0	7.6	H	155	92
4874.000	35.14	-32.5	34.0	33.67	54.0	18.9	H	155	70
7311.000	37.94	-31.3	35.8	33.52	54.0	16.1	H	155	8
9747.750	37.97	-32.4	37.0	33.41	54.0	16.0	H	155	48
12185.250	43.39	-29.3	38.9	33.73	54.0	10.6	H	155	246

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.510	46.45	2.9	32.1	11.43	54.0	7.6	H	155	6
2486.970	46.44	2.9	32.1	11.42	54.0	7.6	H	155	26
4923.750	35.40	-32.4	34.0	33.84	54.0	18.6	H	155	92
7386.000	37.90	-31.5	35.8	33.59	54.0	16.1	H	155	24
9848.250	39.85	-30.8	37.1	33.55	54.0	14.1	H	155	136
12310.500	43.85	-29.1	39.0	34.01	54.0	10.2	H	155	356

Ch12

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2485.300	46.57	2.9	32.7	10.93	54.0	7.4	H	155	135
2487.900	46.60	2.9	32.6	11.03	54.0	7.4	H	155	160
4934.000	35.35	-33.2	34.5	34.03	54.0	18.7	H	155	92
7401.000	37.74	-31.8	36.0	33.51	54.0	16.3	H	155	115
9768.000	38.17	-30.6	37.2	31.51	54.0	15.8	H	155	112
12335.000	43.86	-29.7	39.2	34.40	54.0	10.1	H	155	85



Ch13

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	47.61	2.9	32.8	11.92	54.0	6.4	H	155	170
2483.700	47.28	2.9	32.8	11.59	54.0	6.7	H	155	150
4944.000	35.25	-33.3	34.5	34.00	54.0	18.8	H	155	20
7416.000	37.86	-31.8	36.0	33.61	54.0	16.1	H	155	180
9888.000	40.43	-29.8	37.4	32.84	54.0	13.6	H	155	202
12360.000	44.05	-29.6	39.2	34.52	54.0	10.0	H	155	8

802.11n-HT20-Peak

Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2388.680	59.89	2.9	32.0	25.01	74.0	14.1	H	155	88
2389.562	61.50	2.9	32.0	26.62	74.0	12.5	V	155	132
4824.000	41.50	-32.5	34.0	40.03	74.0	32.5	H	155	0
7236.000	43.35	-31.2	35.7	38.76	74.0	30.7	H	155	66
9648.000	42.68	-32.8	36.8	38.67	74.0	31.3	V	155	44
12060.000	46.83	-29.7	38.9	37.58	74.0	27.2	V	155	242

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2379.640	49.13	-32.0	32.0	49.07	74.0	24.9	H	155	220
2518.640	48.42	-32.5	32.1	48.83	74.0	25.6	V	155	88
4874.000	40.77	-32.5	34.0	39.30	74.0	33.2	H	155	66
7311.000	43.01	-31.3	35.8	38.58	74.0	31.0	H	155	0
9747.750	42.91	-32.4	37.0	38.36	74.0	31.1	H	155	44
12185.250	47.50	-29.3	38.9	37.84	74.0	26.5	V	155	242



Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2485.240	61.11	2.9	32.1	26.09	74.0	12.9	V	155	0
2484.530	61.83	2.9	32.1	26.81	74.0	12.2	H	155	22
4923.750	41.15	-32.4	34.0	39.60	74.0	32.8	V	155	88
7386.000	42.79	-31.5	35.8	38.49	74.0	31.2	V	155	22
9848.250	44.43	-30.8	37.1	38.13	74.0	29.6	H	155	132
12310.500	47.97	-29.1	39.0	38.13	74.0	26.0	H	155	352

Ch12

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2493.520	60.20	2.9	32.5	24.78	74.0	13.8	H	155	132
2494.320	59.93	2.9	32.5	24.53	74.0	14.1	H	155	154
4934.250	39.12	-33.2	34.5	37.80	74.0	34.9	V	155	88
7401.000	40.84	-31.8	36.0	36.61	74.0	33.2	H	155	110
9768.000	40.70	-30.6	37.2	34.04	74.0	33.3	V	155	110
12335.250	47.09	-29.7	39.2	37.63	74.0	26.9	V	155	88

Ch13

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2484.240	60.06	2.9	32.7	24.39	74.0	13.9	H	155	176
2486.790	60.11	2.9	32.7	24.51	74.0	13.9	H	155	154
4944.000	41.18	-33.3	34.5	39.93	74.0	32.8	V	155	22
7416.000	41.41	-31.8	36.0	37.16	74.0	32.6	V	155	176
9888.000	44.35	-29.8	37.4	36.76	74.0	29.7	H	155	198
12360.000	46.72	-29.6	39.2	37.19	74.0	27.3	H	155	0

Test graphs as below for Set1:

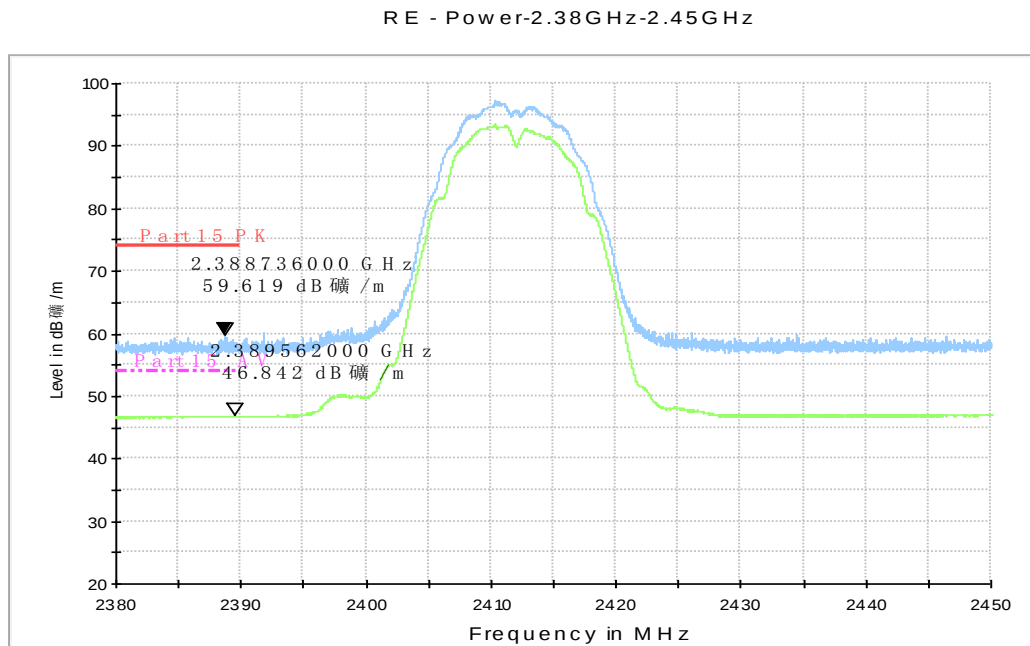


Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.38 GHz
- 2.43GHz

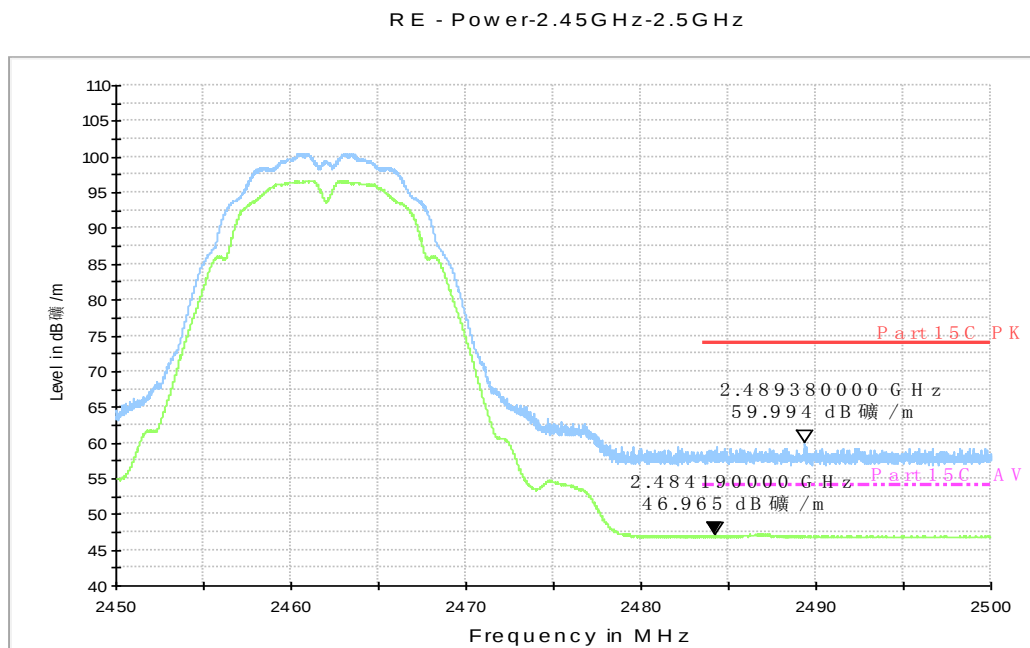


Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45
GHz - 2.50GHz