Appendix H

Radiated spurious emission

According to FCC Part 15.247 (d) & 15.205 & 15.209

Report No:
SYBH(Z-RF)021032011-2004

Confidential Information of Huawei.
No Distribution without Written Permission

Page1, Total12

Channel 0
30MHz to 1GHz
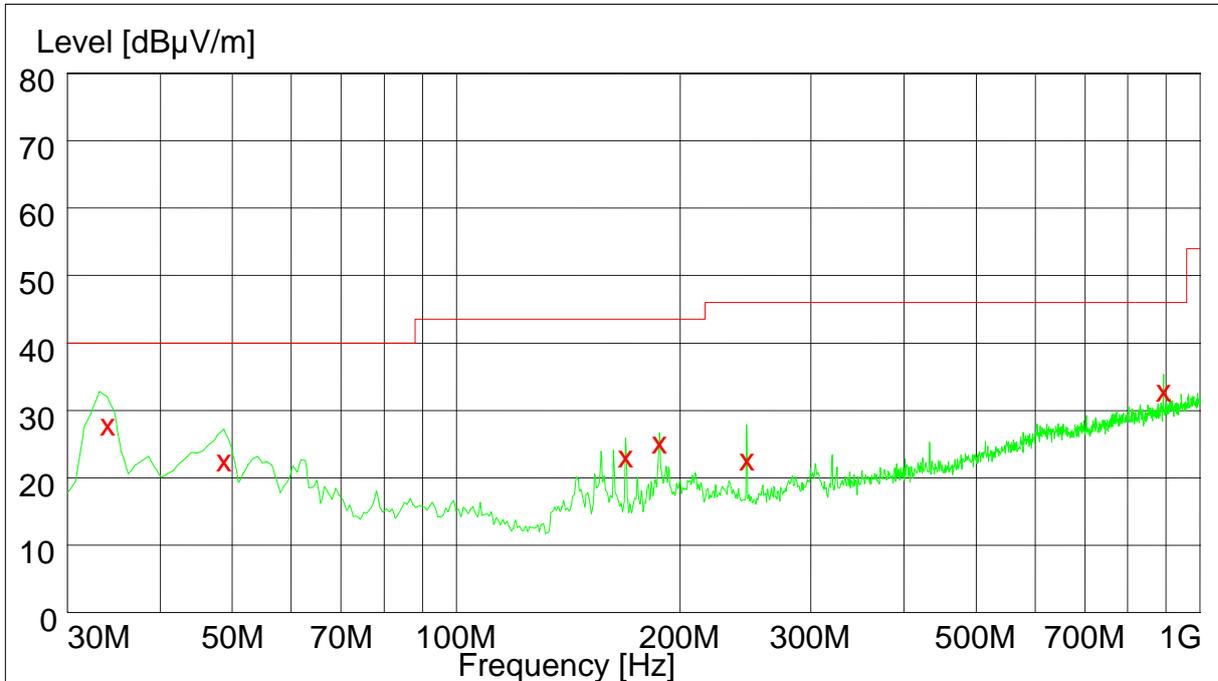
Level [dBµV/m]

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.944000	29.00	11.7	40.0	11.0	102.0	359.00	VERTICAL
48.624000	23.70	12.9	40.0	16.3	108.0	202.00	VERTICAL
168.964000	24.20	10.0	43.5	19.3	100.0	336.00	VERTICAL
187.408000	26.30	11.7	43.5	17.2	102.0	344.00	VERTICAL
245.788000	23.80	14.1	46.0	22.2	158.0	284.00	HORIZONTAL
892.012000	34.00	26.1	46.0	12.0	157.0	104.00	HORIZONTAL

1GHz to 18GHz
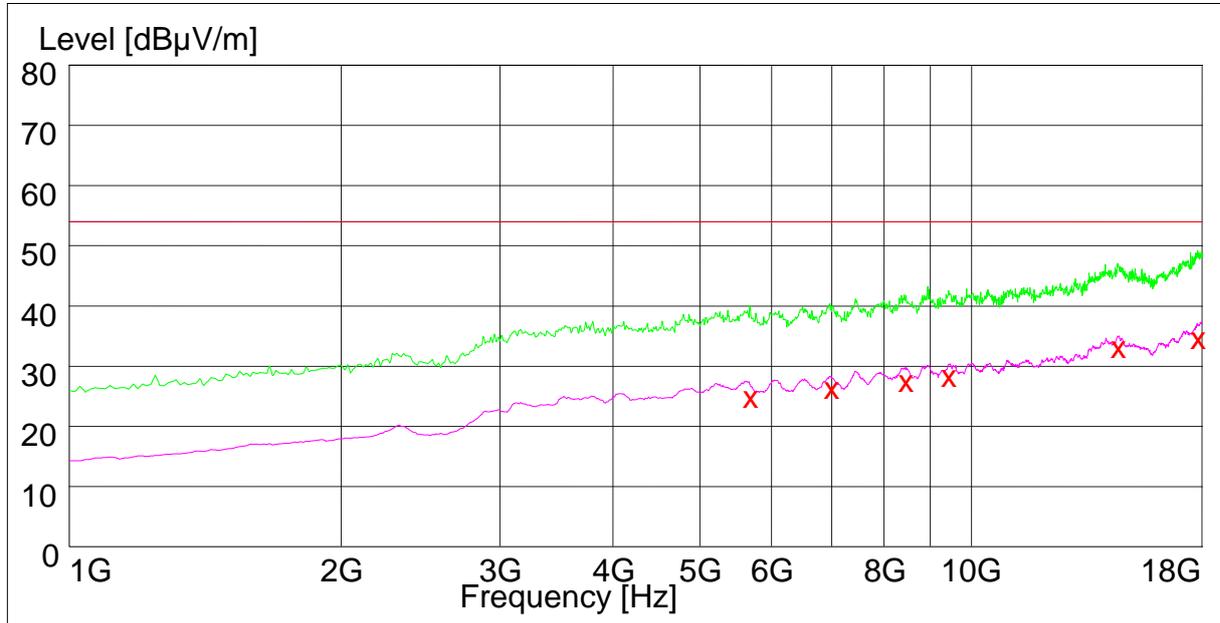
Level [dBµV/m]

Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
5681.400000	26.40	-2.1	54.0	27.6	163.0	116.00	VERTICAL
6984.500000	27.90	0.2	54.0	26.1	101.0	331.00	VERTICAL
8456.800000	29.00	3.0	54.0	25.0	193.0	288.00	HORIZONTAL
9424.500000	29.80	4.8	54.0	24.2	100.0	56.00	HORIZONTAL
14525.000000	34.60	12.3	54.0	19.4	100.0	22.00	HORIZONTAL
17800.500000	36.10	16.0	54.0	17.9	115.0	237.00	VERTICAL

18GHz to 26GHz

Note: No peak found in pre- test.
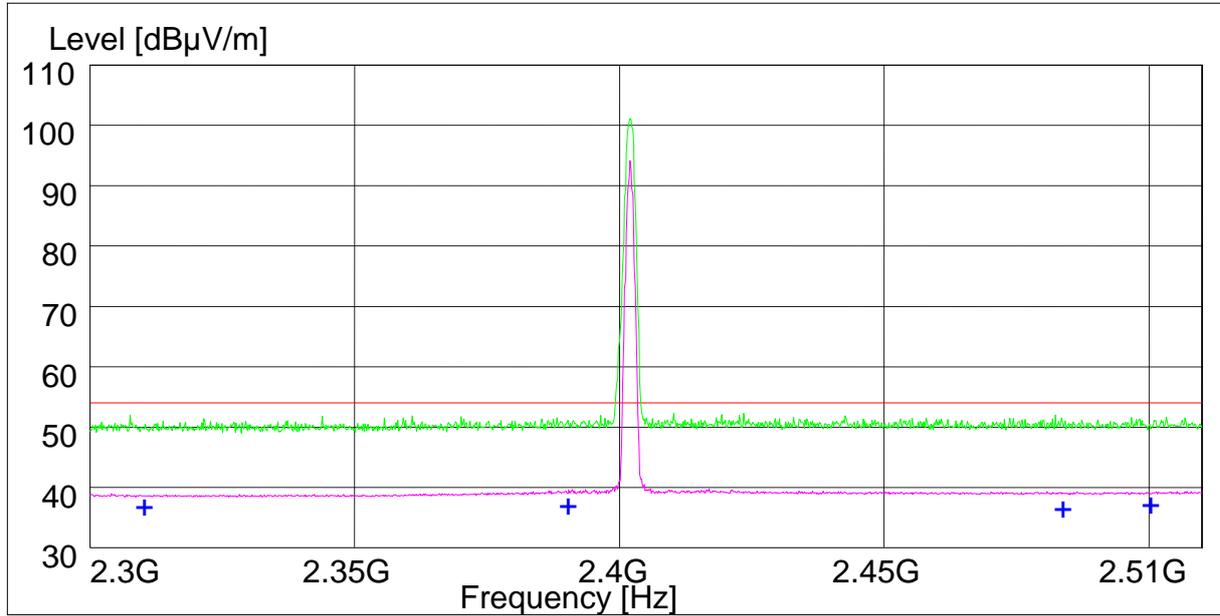
Report No:
SYBH(Z-RF)021032011-2004

Confidential Information of Huawei.
No Distribution without Written Permission

Page4, Total12

2.30GHz to 2.51GHz

Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.50	33.3	54.0	15.5	122.0	210.00	HORIZONTAL
2390.000000	38.60	33.5	54.0	15.4	102.0	337.00	HORIZONTAL
2483.500000	38.20	33.7	54.0	15.8	147.0	307.00	HORIZONTAL
2500.000000	38.70	33.5	54.0	15.3	122.0	27.00	HORIZONTAL

Channel 40
30MHz to 1GHz
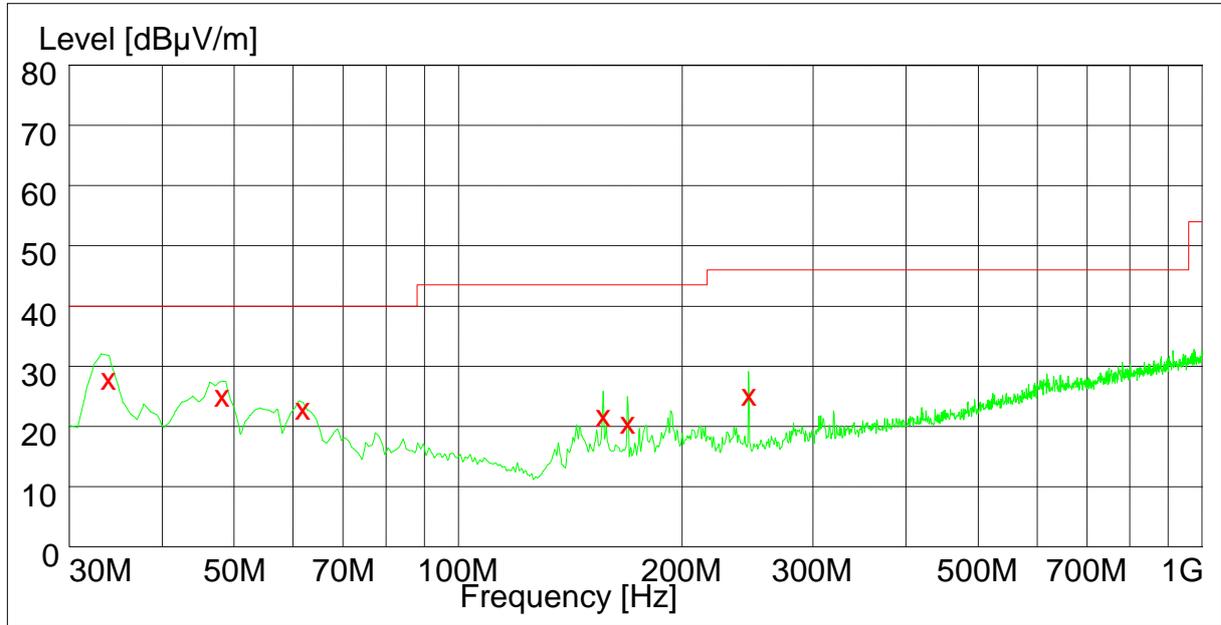
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.824000	29.30	11.7	40.0	10.7	101.0	65.00	VERTICAL
48.532000	26.30	13.1	40.0	13.7	105.0	168.00	VERTICAL
62.245000	24.50	11.6	40.0	15.5	100.0	220.00	VERTICAL
156.668000	23.20	9.4	43.5	20.3	110.0	255.00	VERTICAL
168.964000	22.10	10.0	43.5	21.4	100.0	275.00	VERTICAL
245.728000	26.60	14.1	46.0	19.4	100.0	117.00	HORIZONTAL

1GHz to 18GHz
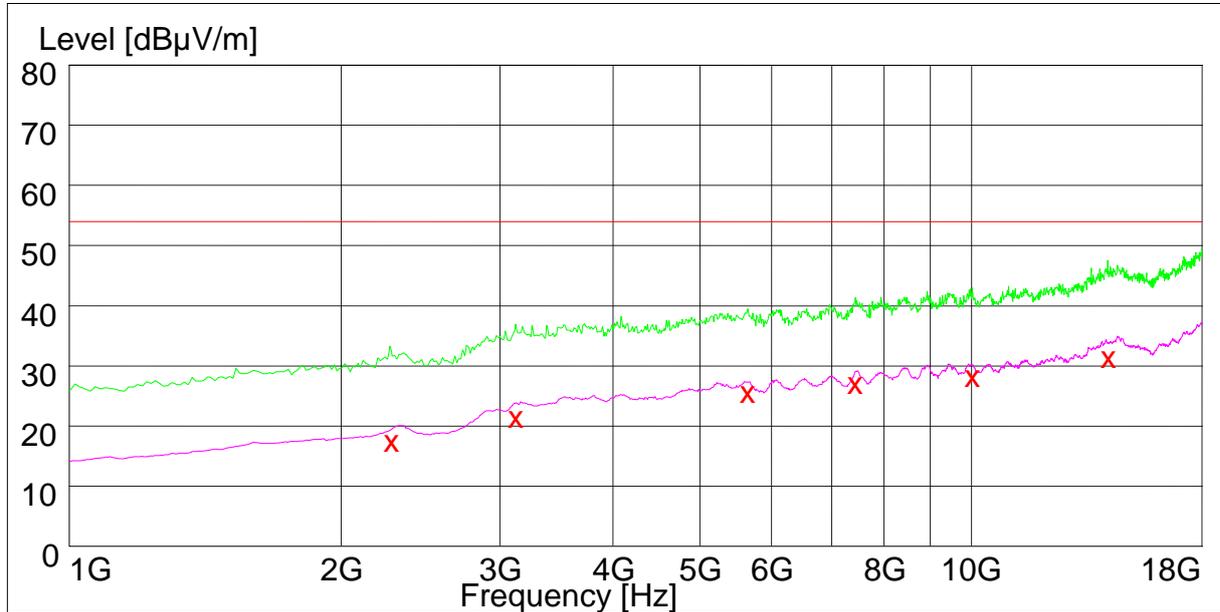
Level [dBµV/m]

Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2272.300000	19.00	-11.8	54.0	35.0	156.0	257.00	HORIZONTAL
3124.100000	23.00	-8.6	54.0	31.0	163.0	11.00	HORIZONTAL
5643.700000	27.10	-2.2	54.0	26.9	169.0	359.00	VERTICAL
7426.800000	28.60	1.2	54.0	25.4	195.0	264.00	VERTICAL
10012.300000	29.70	5.1	54.0	24.3	128.0	360.00	VERTICAL
14147.700000	32.90	11.3	54.0	21.1	177.0	0.00	HORIZONTAL

18GHz to 26GHz

Note: No peak found in pre- test.
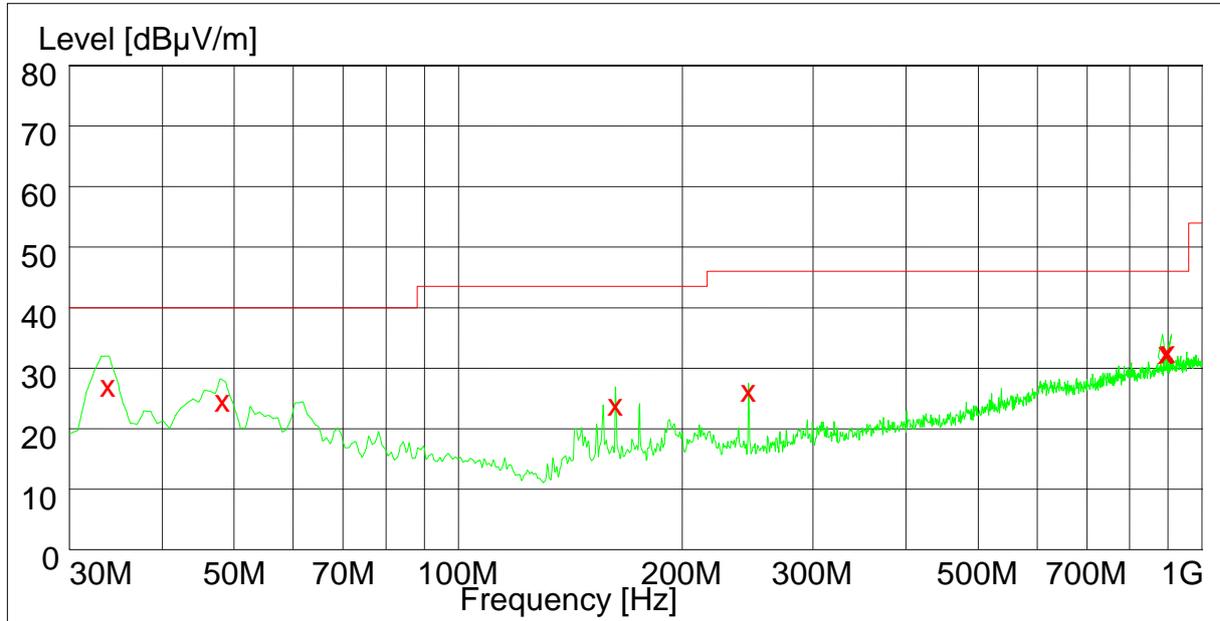
Report No:
SYBH(Z-RF)021032011-2004

Confidential Information of Huawei.
No Distribution without Written Permission

Page8, Total12

Channel 78
30MHz to 1GHz

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
33.760000	28.60	11.7	40.0	11.4	101.0	114.00	VERTICAL
48.520000	28.50	12.9	40.0	11.5	108.0	257.00	VERTICAL
168.280000	25.80	9.8	43.0	17.2	116.0	124.00	VERTICAL
256.721000	27.8	14.2	46.0	18.2	152.0	286.00	VERTICAL
892.012000	33.90	26.1	46.0	12.1	139.0	339.00	VERTICAL
897.444000	34.10	26.1	46.0	11.9	100.0	182.00	HORIZONTAL
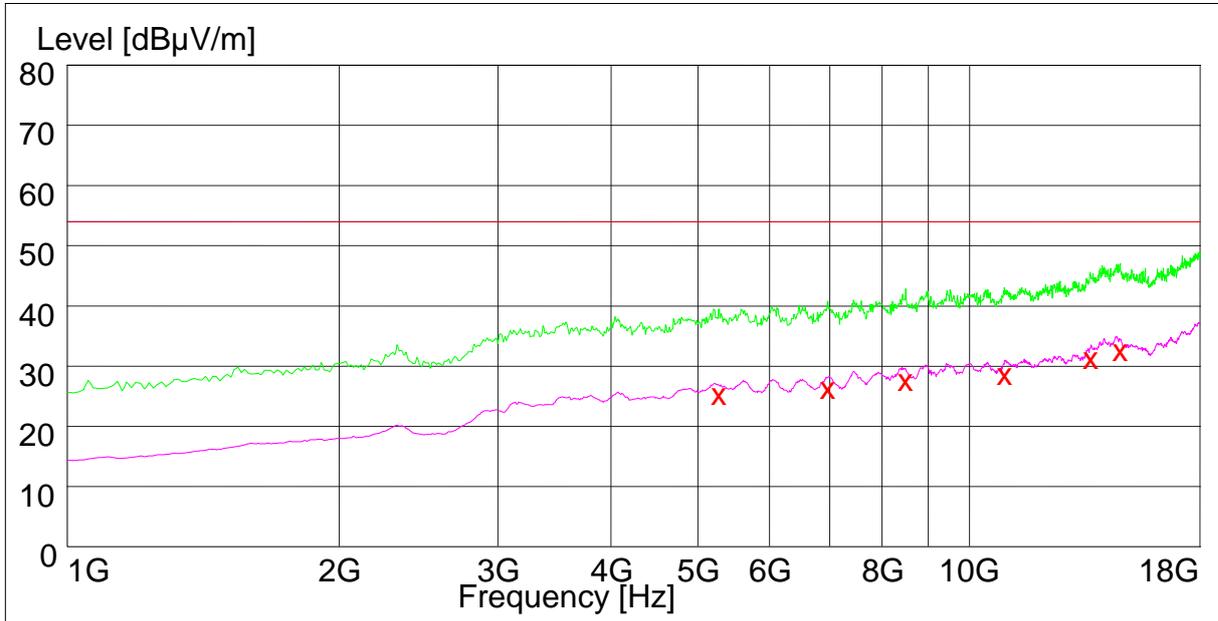
Report No:
SYBH(Z-RF)021032011-2004

Confidential Information of Huawei.
No Distribution without Written Permission

Page9, Total12

1GHz to 18GHz

Level [dBμV/m]

Frequency [Hz]

Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarization
5268.400000	26.90	-2.8	54.0	27.1	200.0	318.00	HORIZONTAL
6952.800000	27.90	0.1	54.0	26.1	109.0	355.00	HORIZONTAL
8486.600000	29.20	3.0	54.0	24.8	200.0	301.00	HORIZONTAL
10921.000000	30.20	6.5	54.0	23.8	100.0	72.00	VERTICAL
13591.100000	32.70	10.2	54.0	21.3	127.0	307.00	VERTICAL
14675.100000	34.10	11.8	54.0	19.9	156.0	275.00	VERTICAL

Report No:
SYBH(Z-RF)021032011-2004

Confidential Information of Huawei.
No Distribution without Written Permission
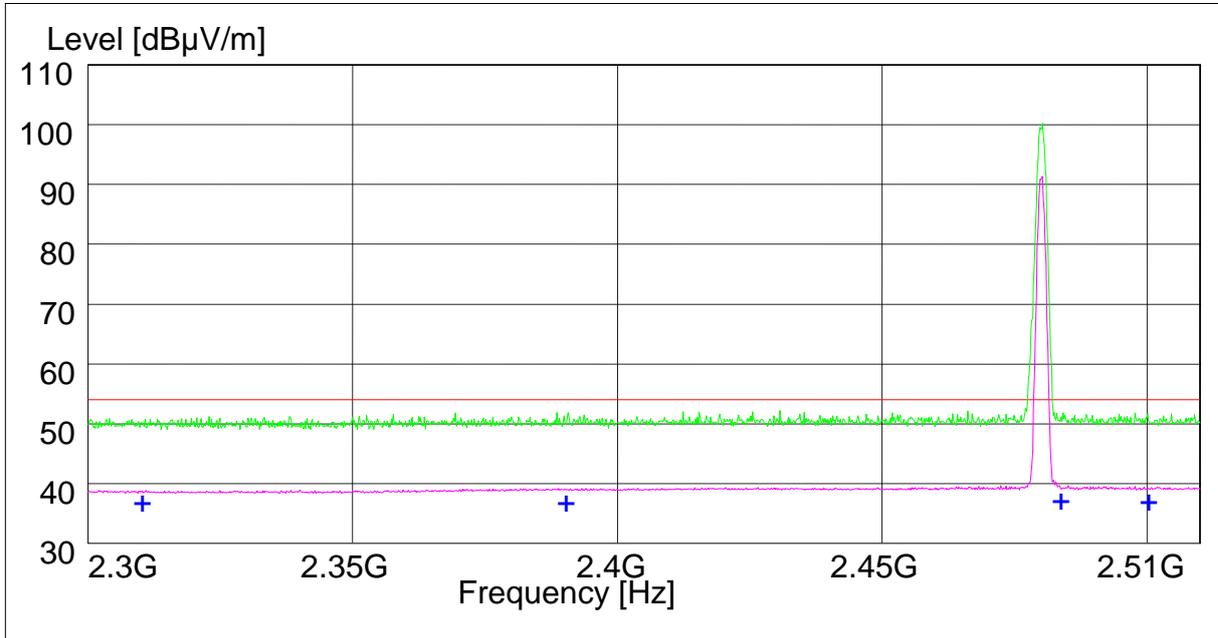
Page10, Total12

18GHz to 26GHz

Note: No peak found in pre- test.

2.30GHz to 2.51GHz

Note: The highest peak exceeds the limit line is carrier frequency.

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2310.000000	38.50	33.3	54.0	15.3	142.0	358.00	VERTICAL
2390.000000	38.50	33.5	54.0	15.5	182.0	318.00	VERTICAL
2483.500000	38.80	33.7	54.0	15.2	122.0	108.00	VERTICAL
2500.000000	38.60	33.8	54.0	15.4	182.0	208.00	VERTICAL