



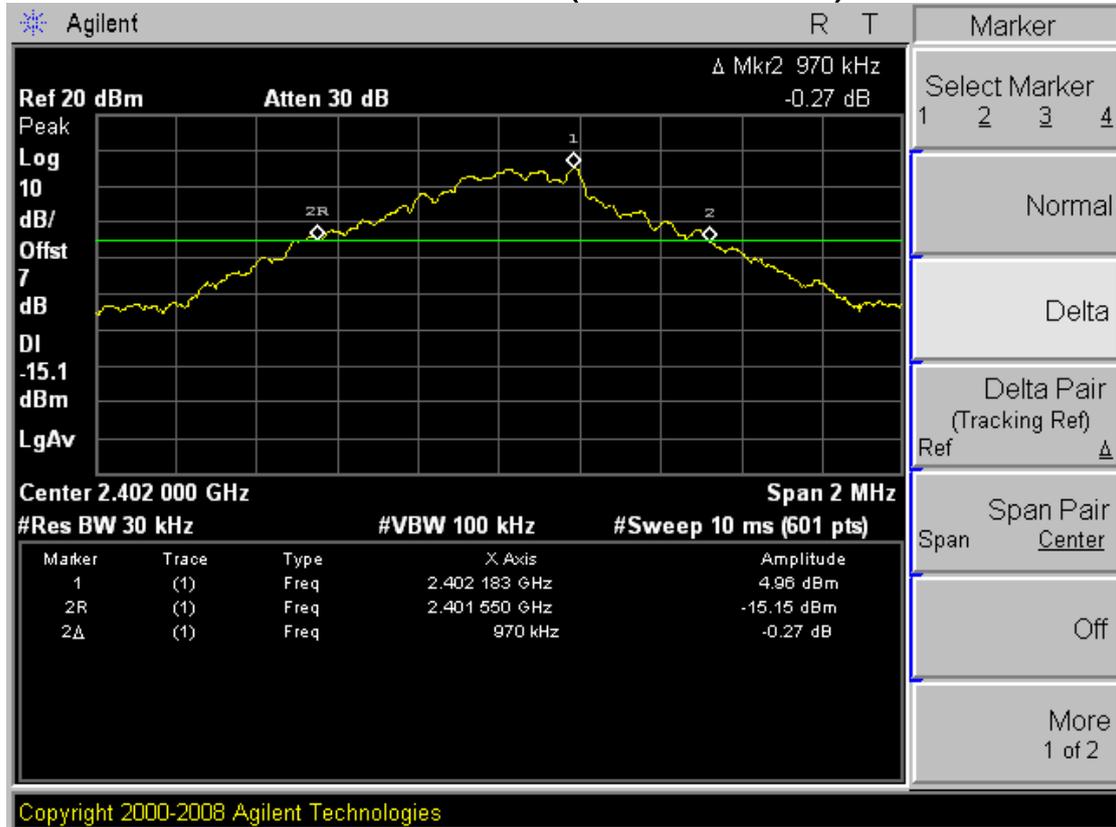
Appendix A

20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)

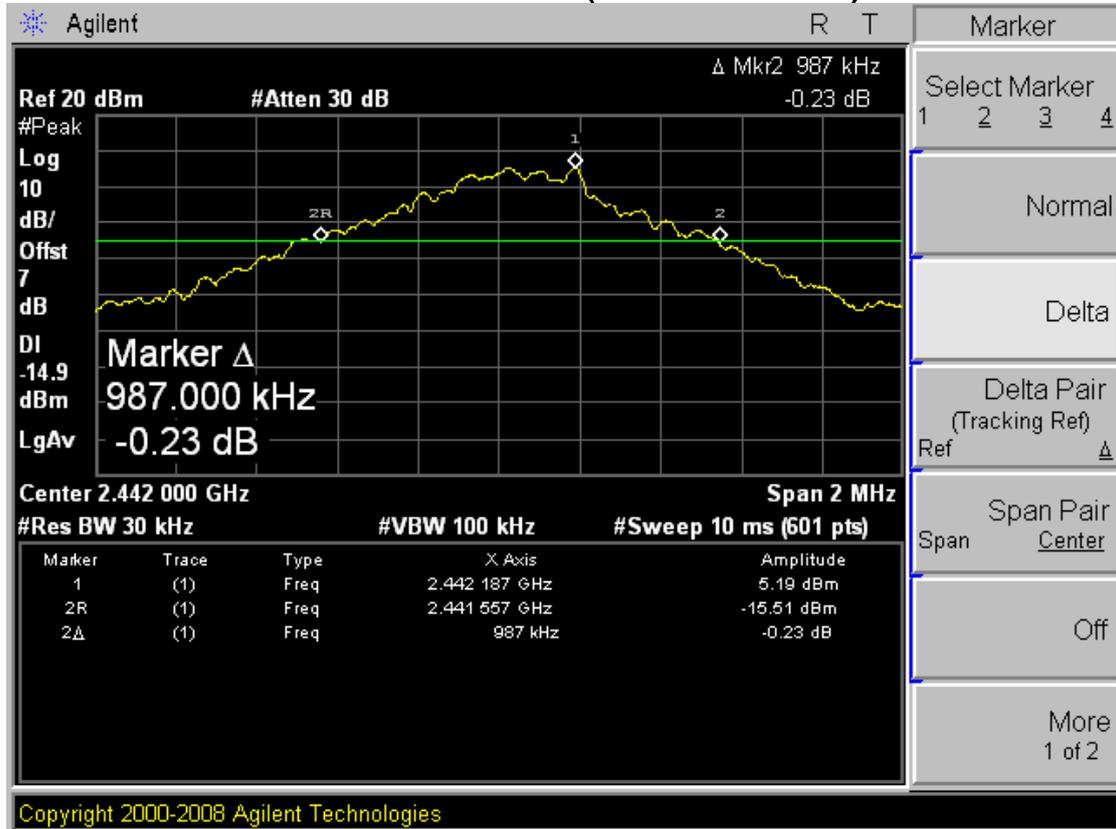


Channel 0 (2402MHz)



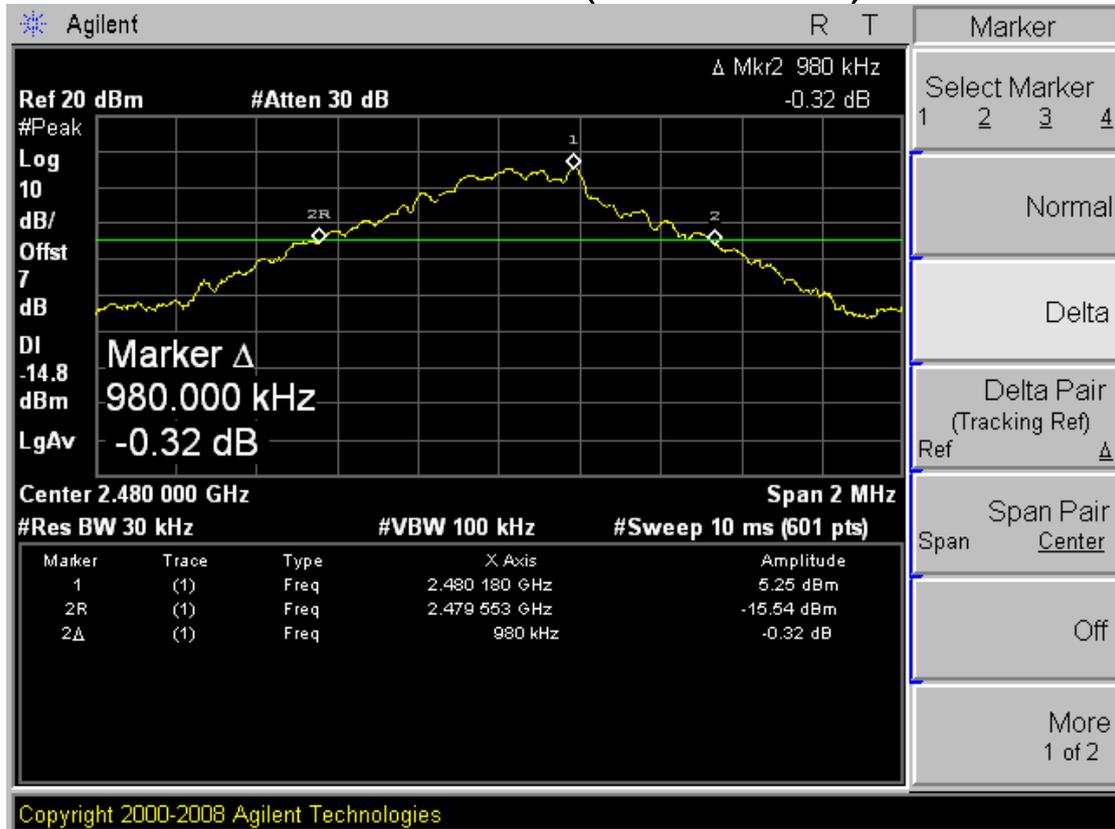


Channel 40 (2442MHz)





Channel 78 (2480MHz)





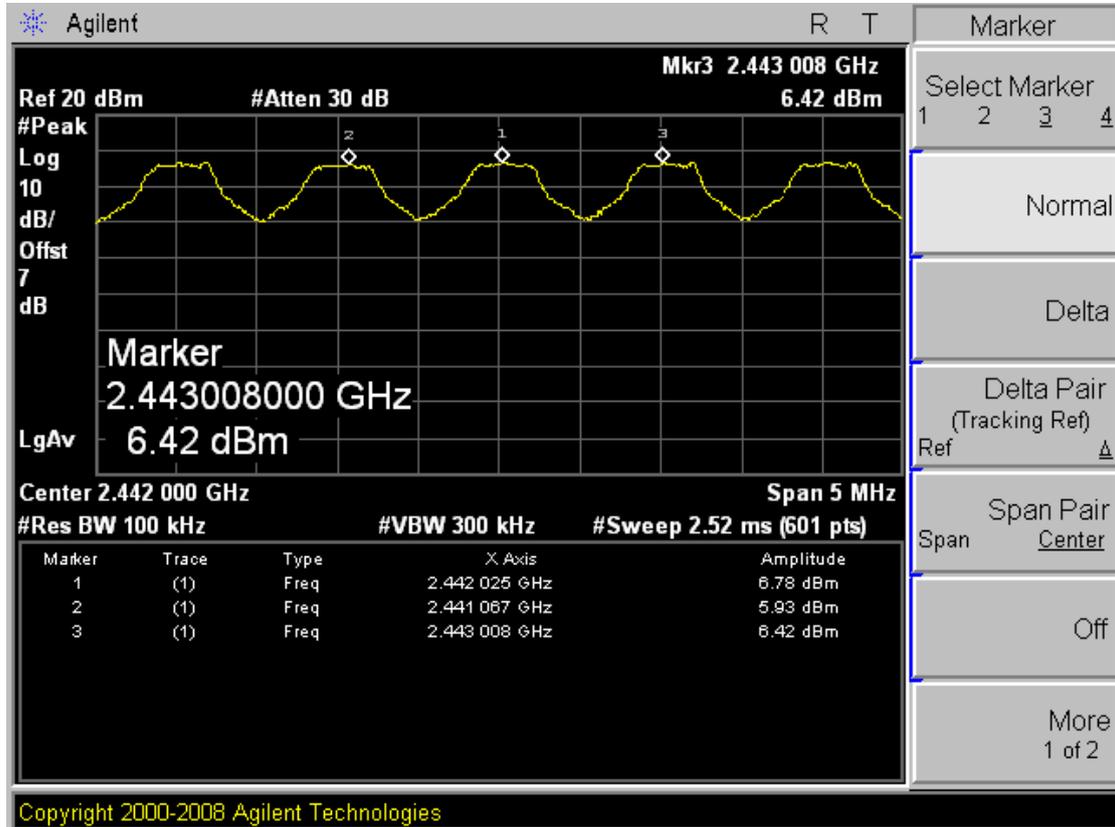
Appendix B

Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



Centred at Channel 40





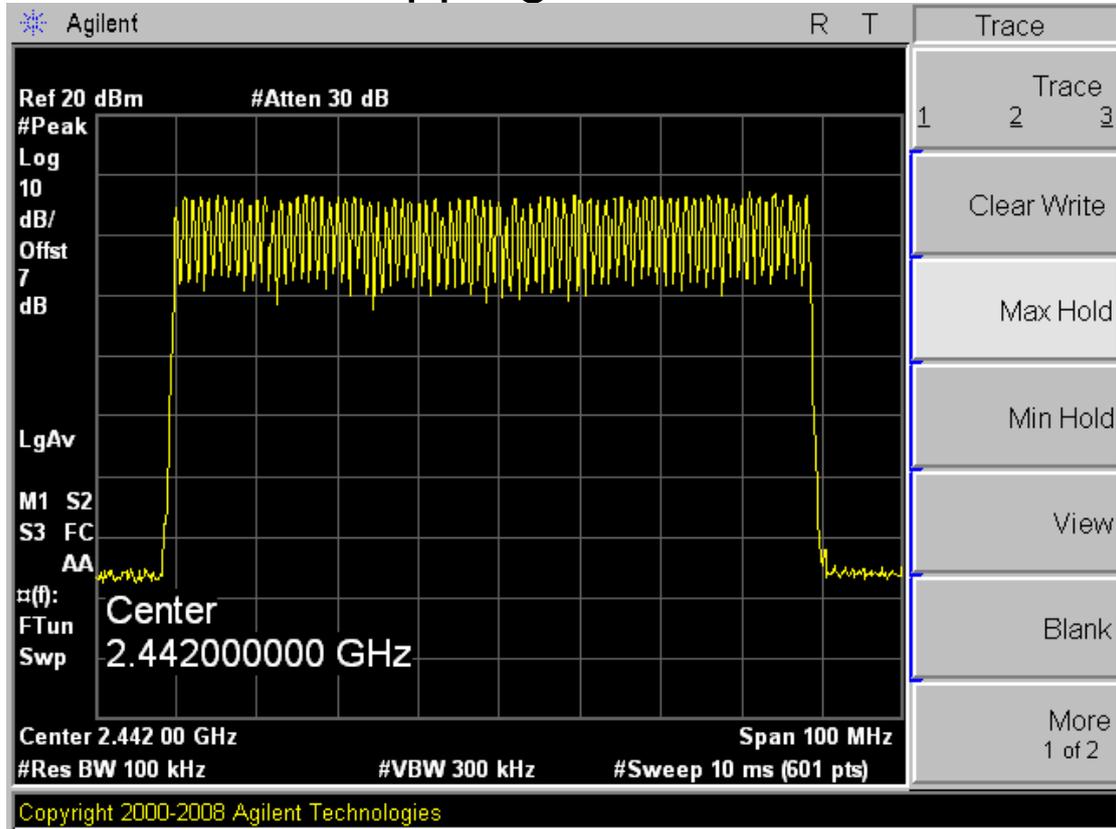
Appendix C

Number of hopping channel

According to FCC Part 15.247 (a) (1) III



Total hopping channels = 79





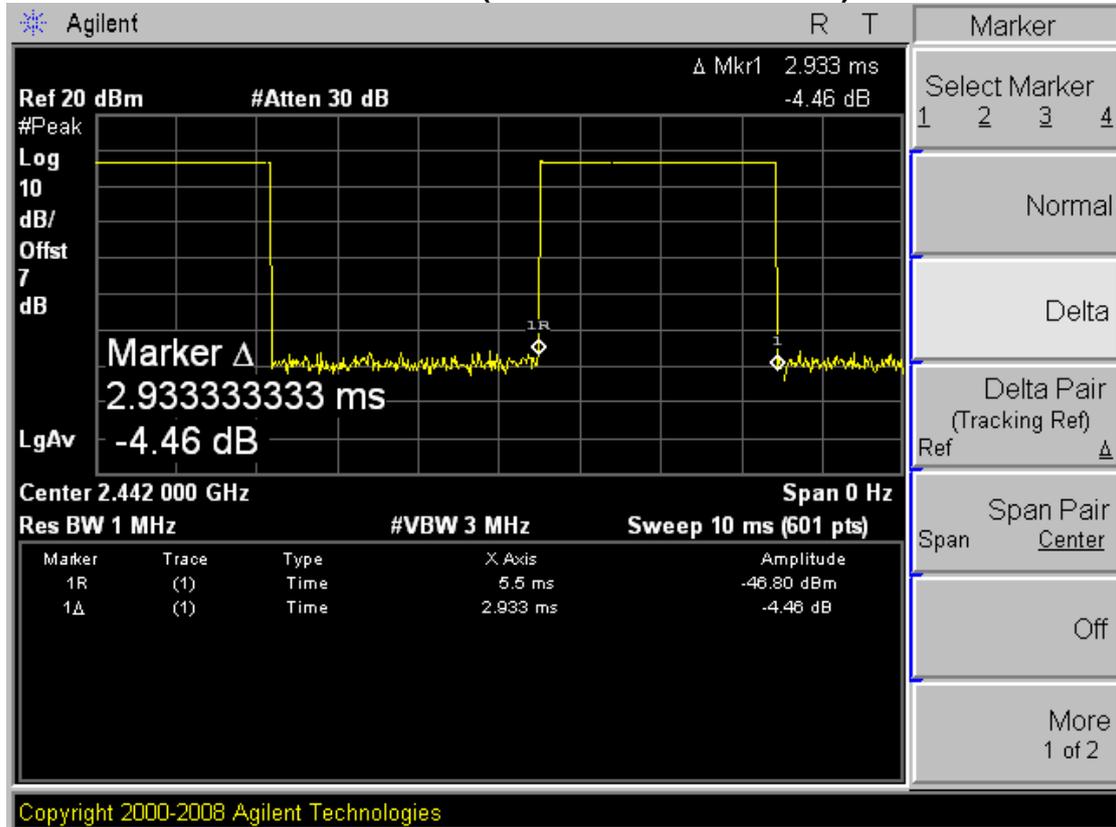
Appendix D

Time of occupancy

According to FCC Part 15.247 (a) (1) III

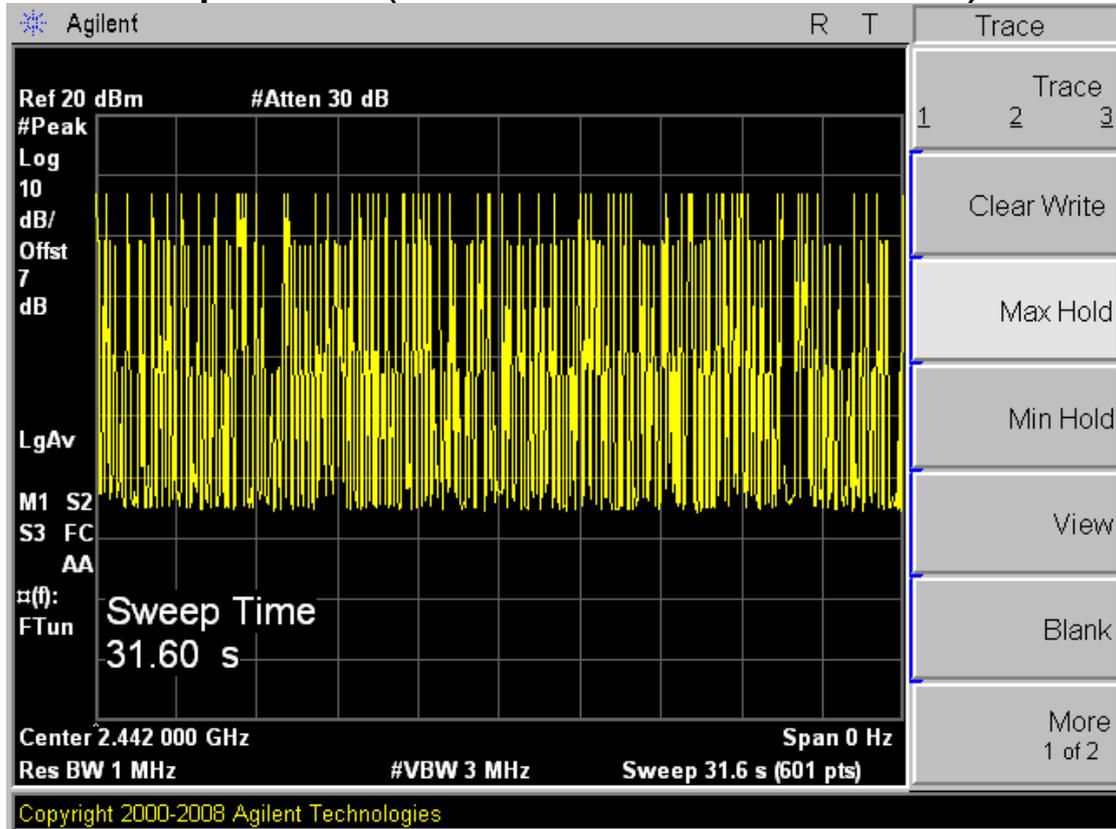


A burst (One time slot)





A period (Less than 106.7 burst)





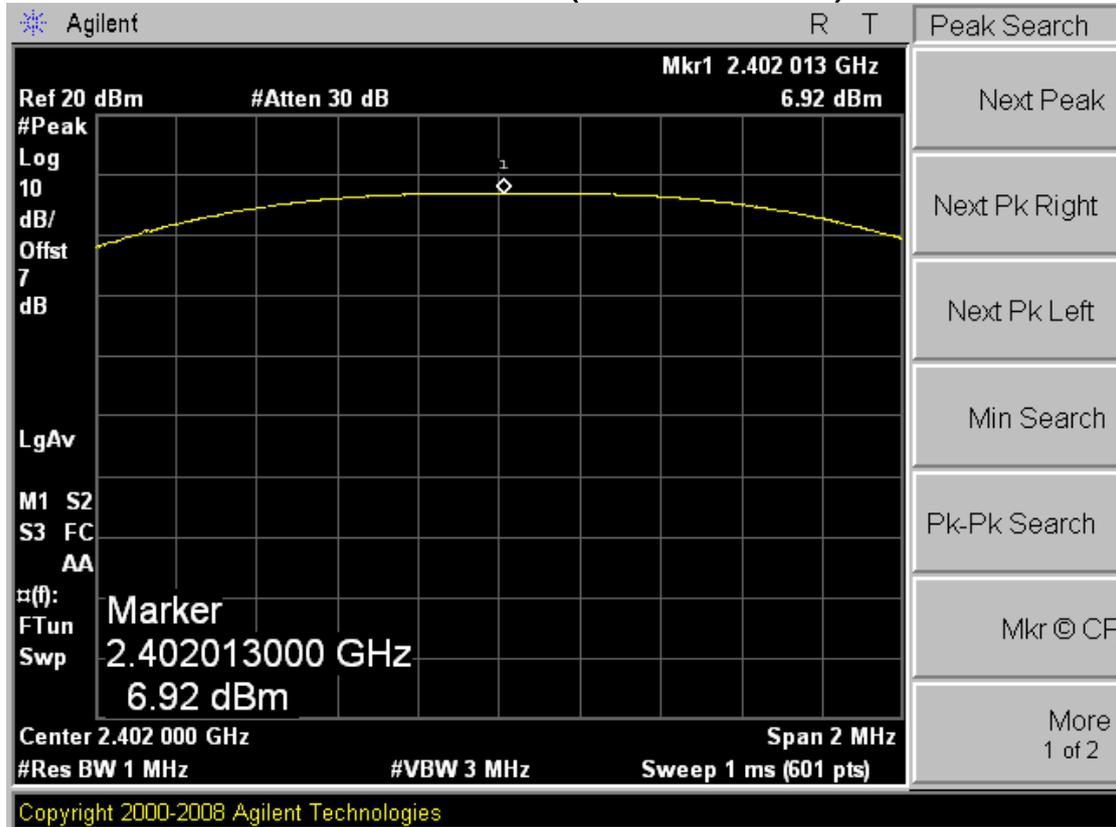
Appendix E

Peak output power

According to FCC Part 15.247 (b) (1)

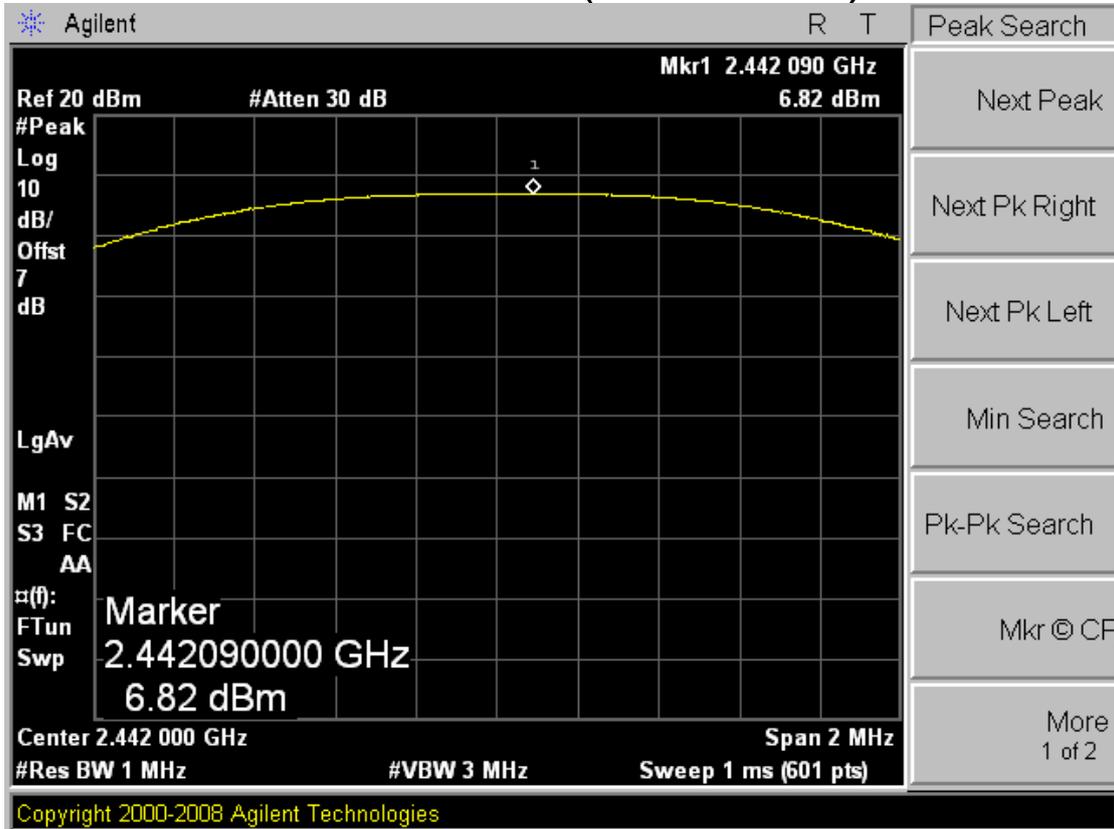


Channel 0 (2402MHz)



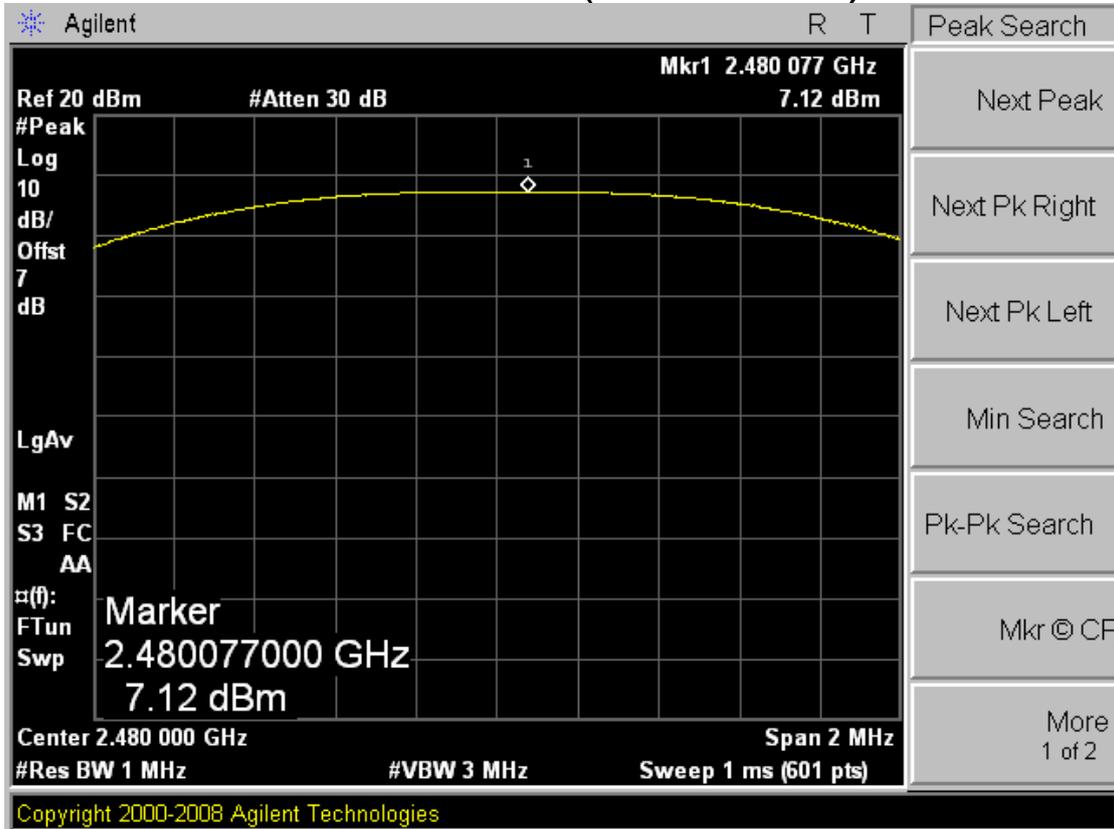


Channel 40 (2442MHz)





Channel 78 (2480MHz)





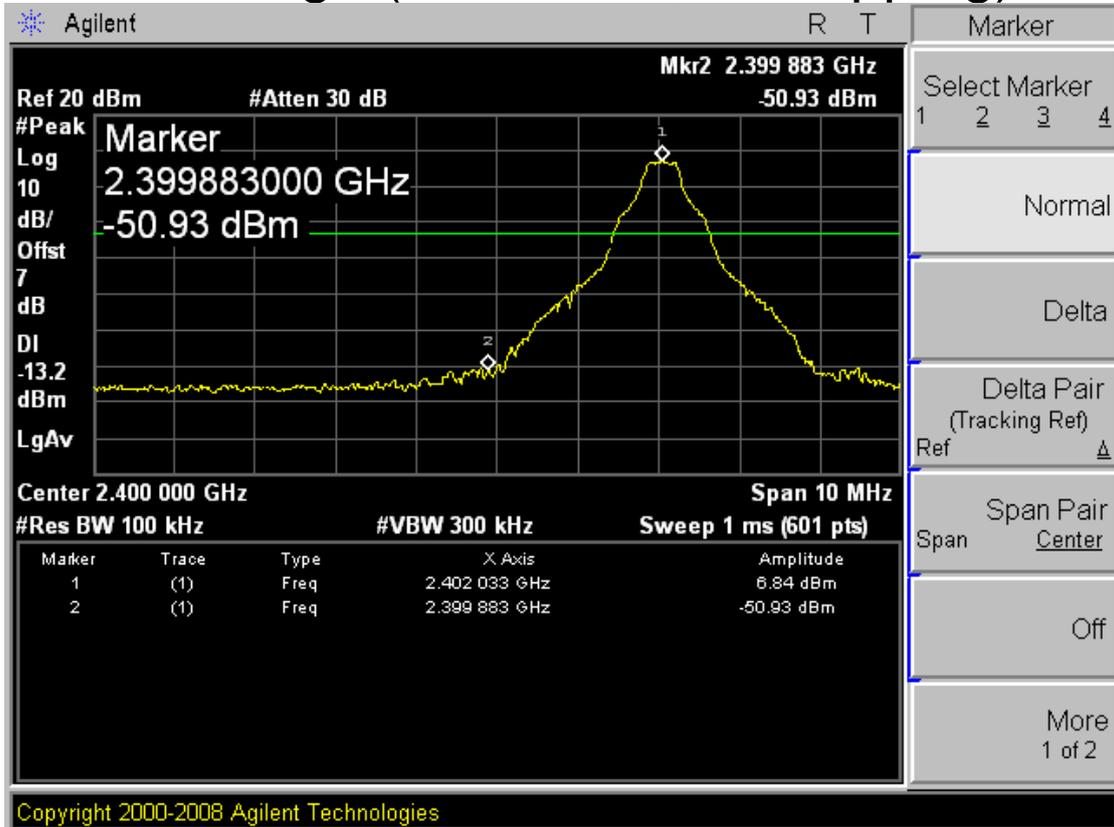
Appendix F

Band edge spurious emission

According to FCC Part 15.247 (d)

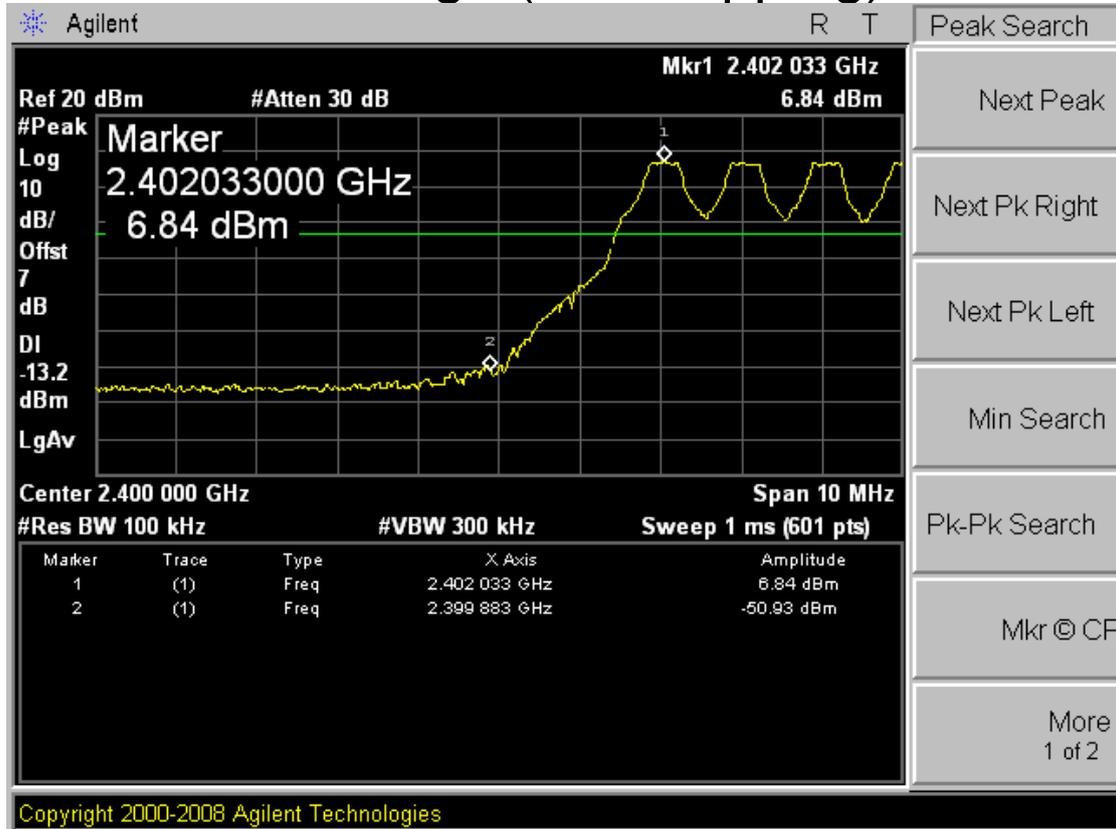


Low edge (Channel 0, no hopping)



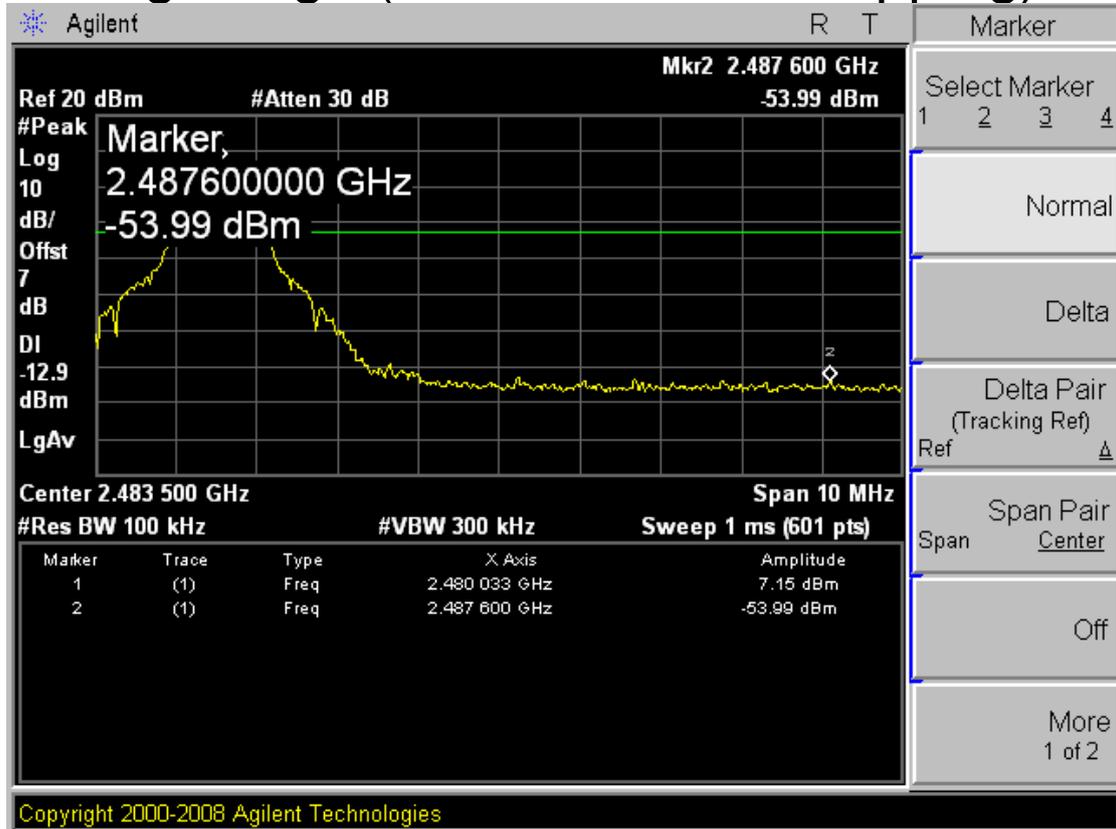


Low edge (with hopping)



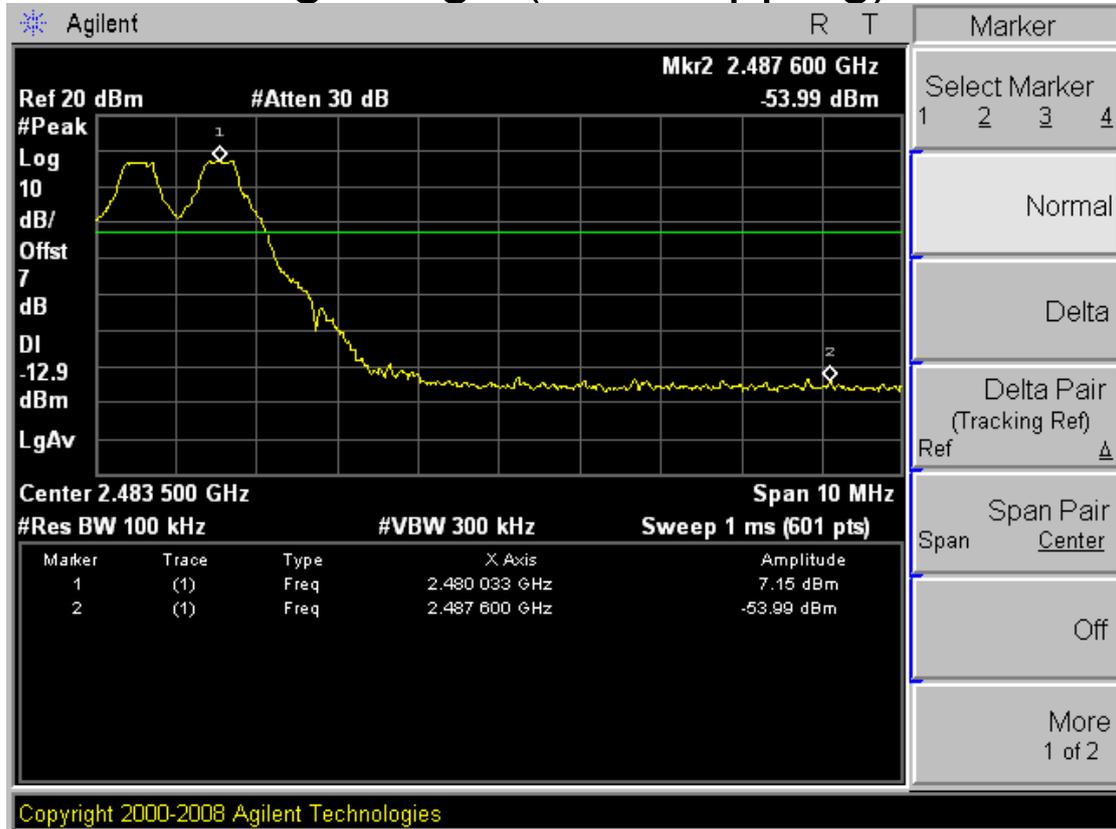


High edge (Channel 78, no hopping)





High edge (with hopping)





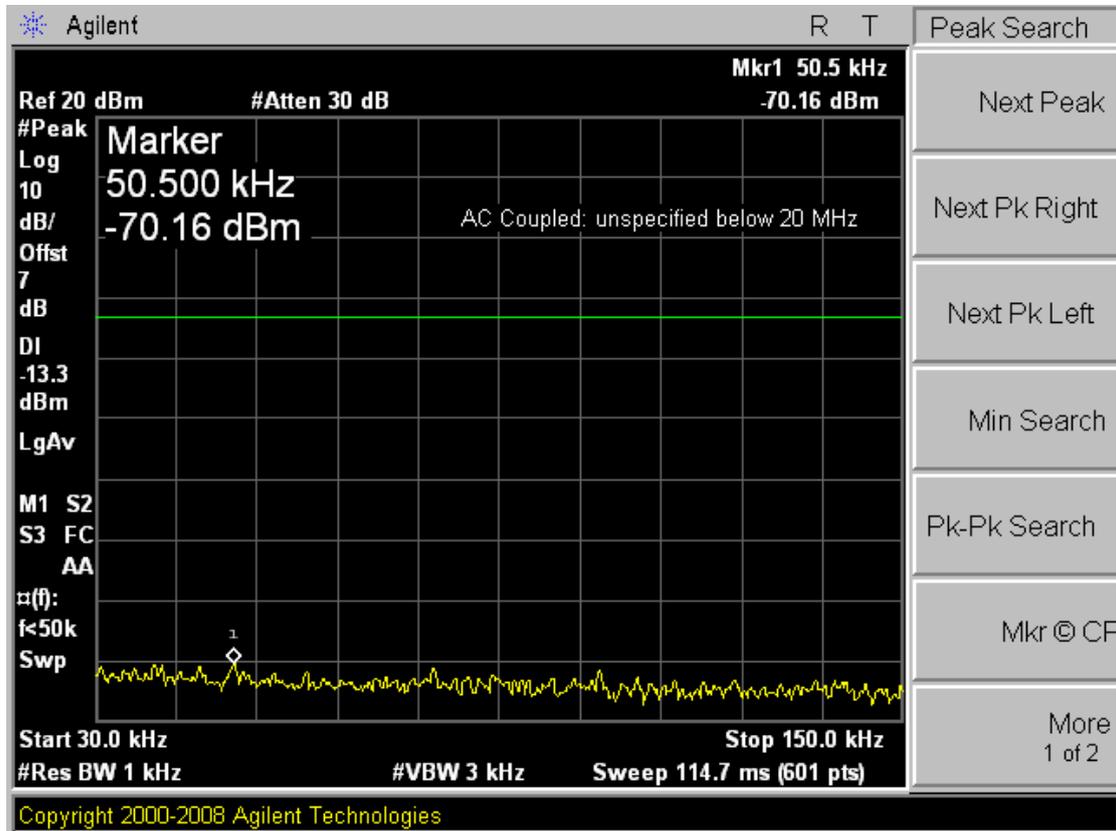
Appendix G

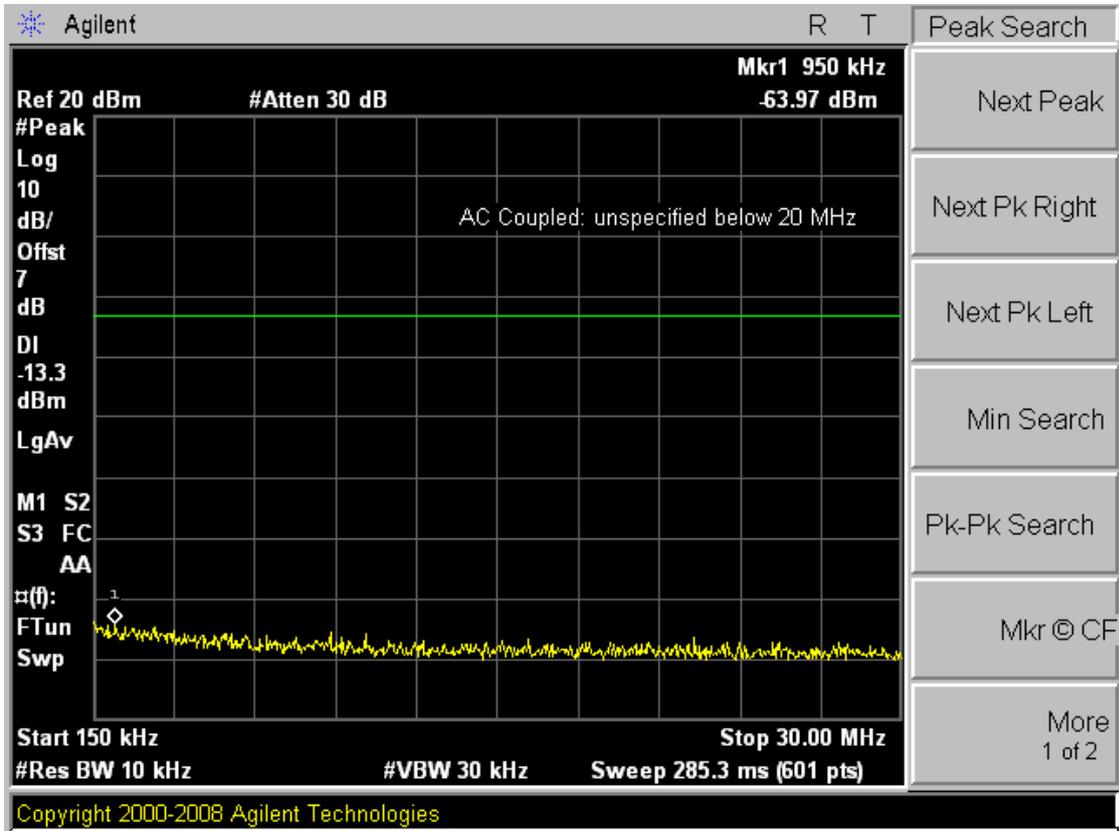
Conducted RF spurious

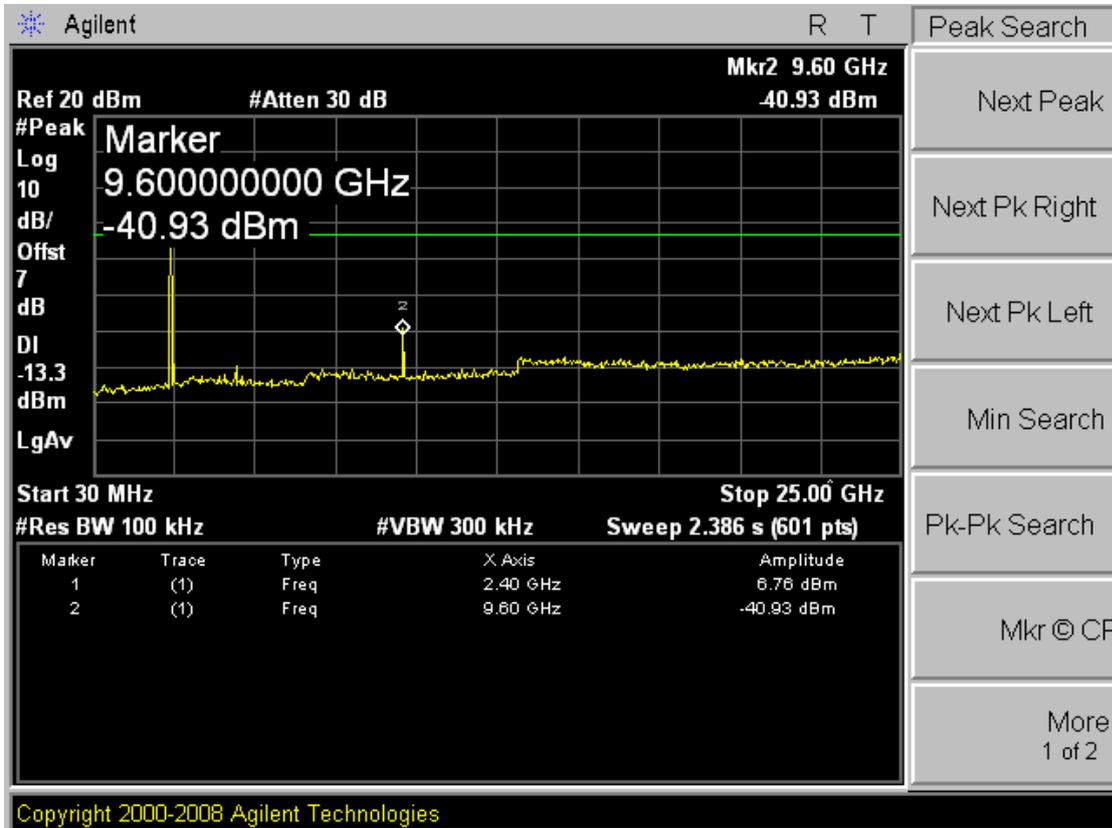
According to FCC Part 15.247 (d)



Channel 0

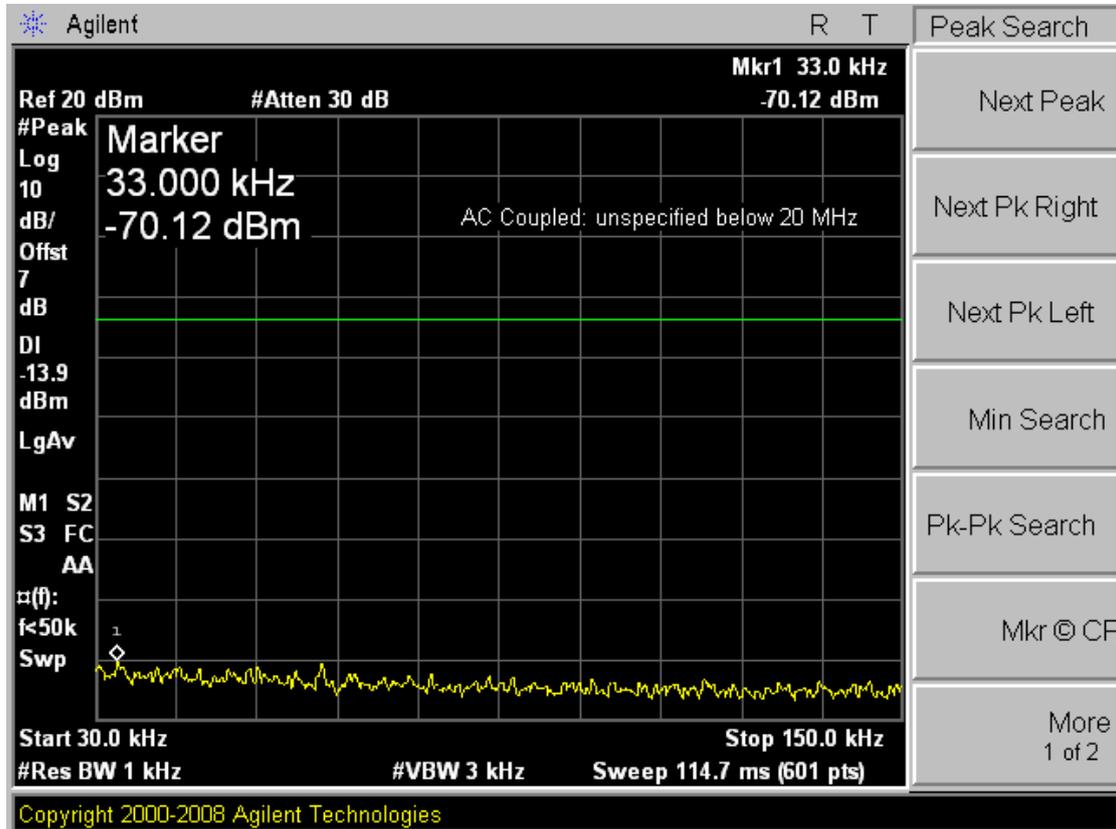


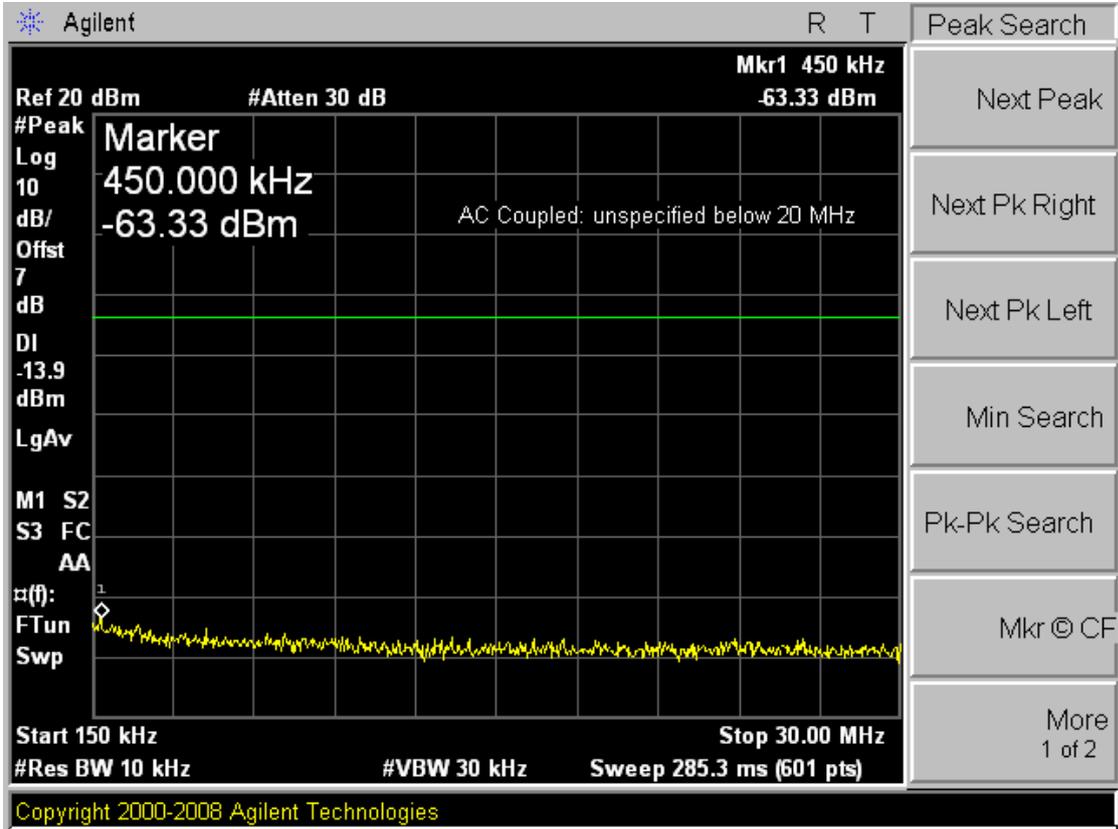


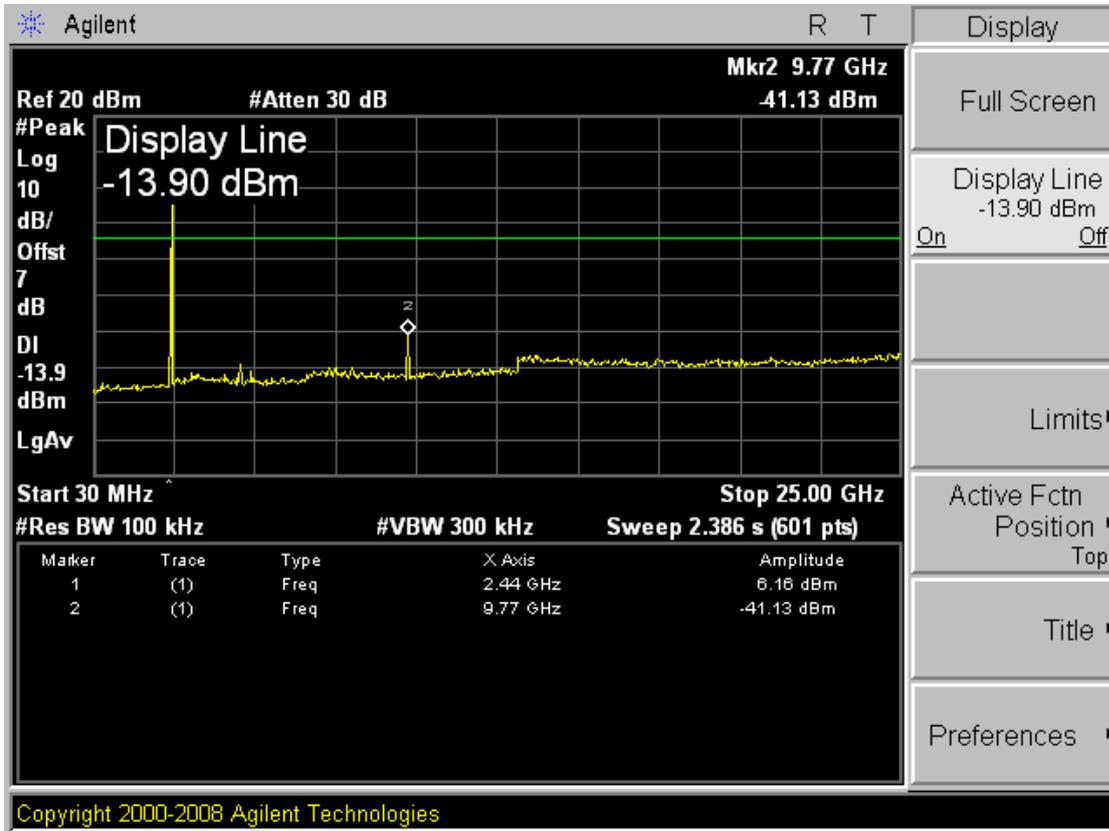




Channel 40

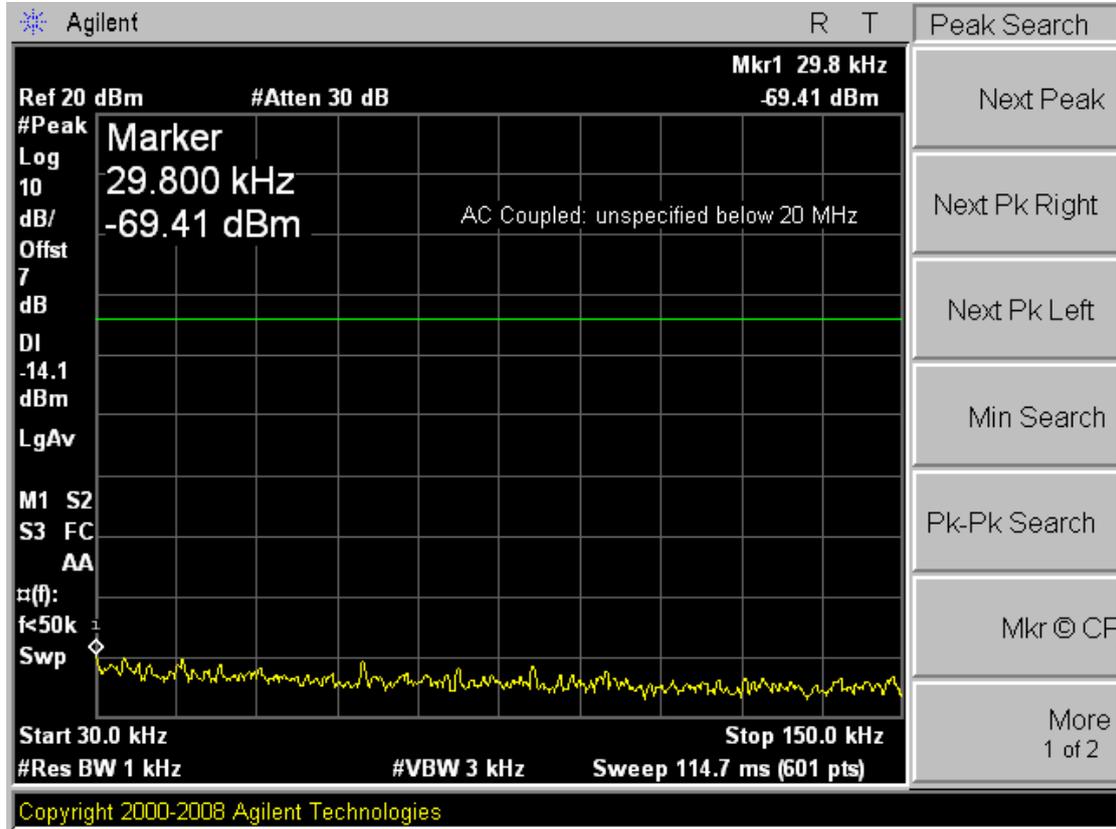


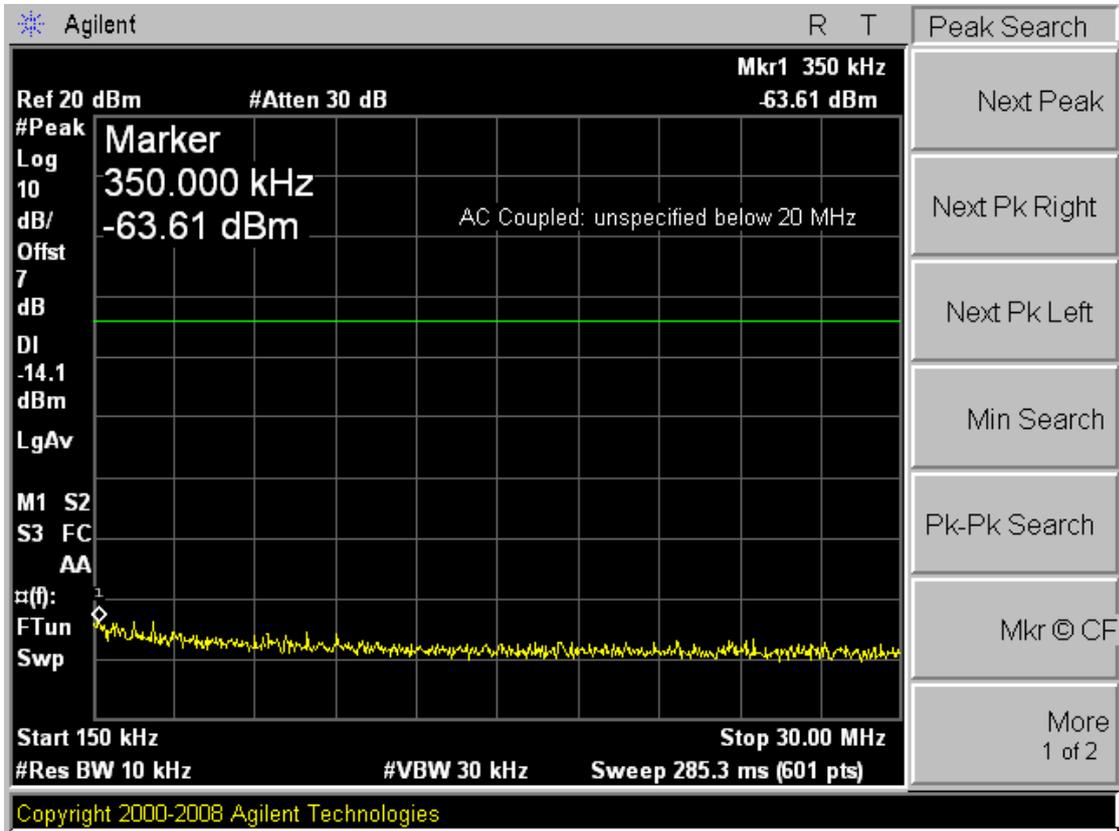


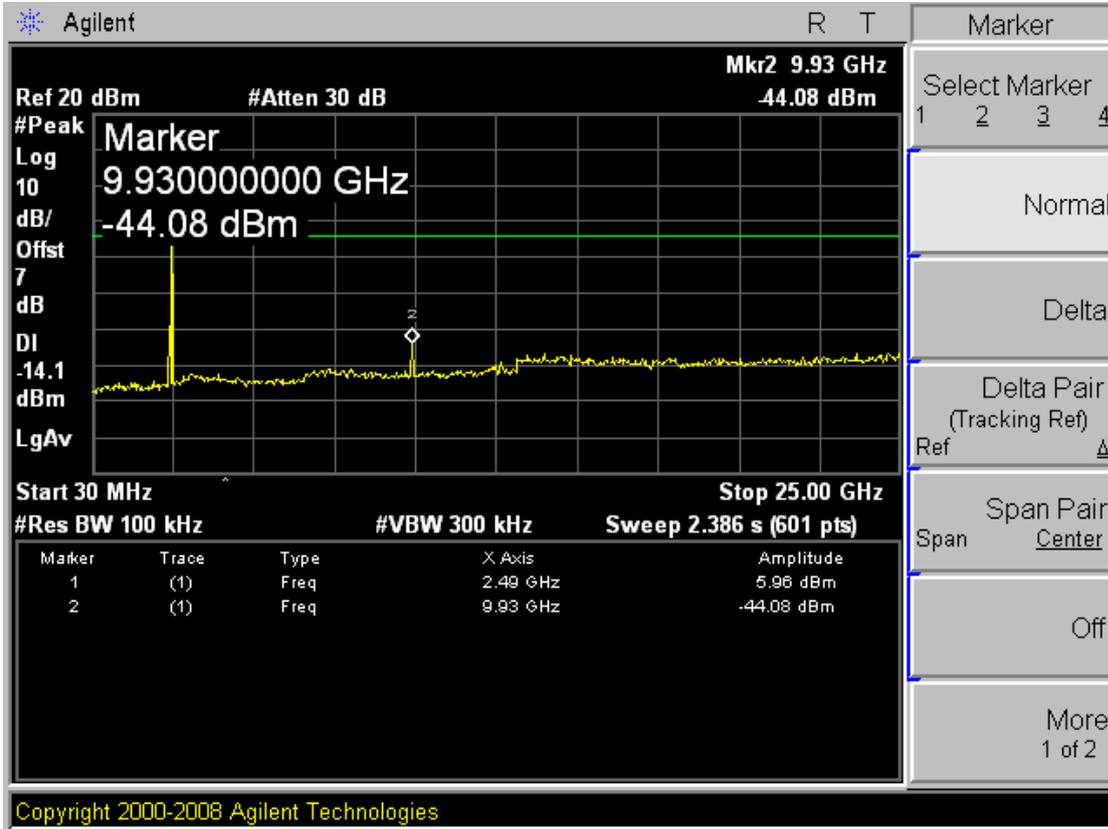




Channel 78









Appendix H

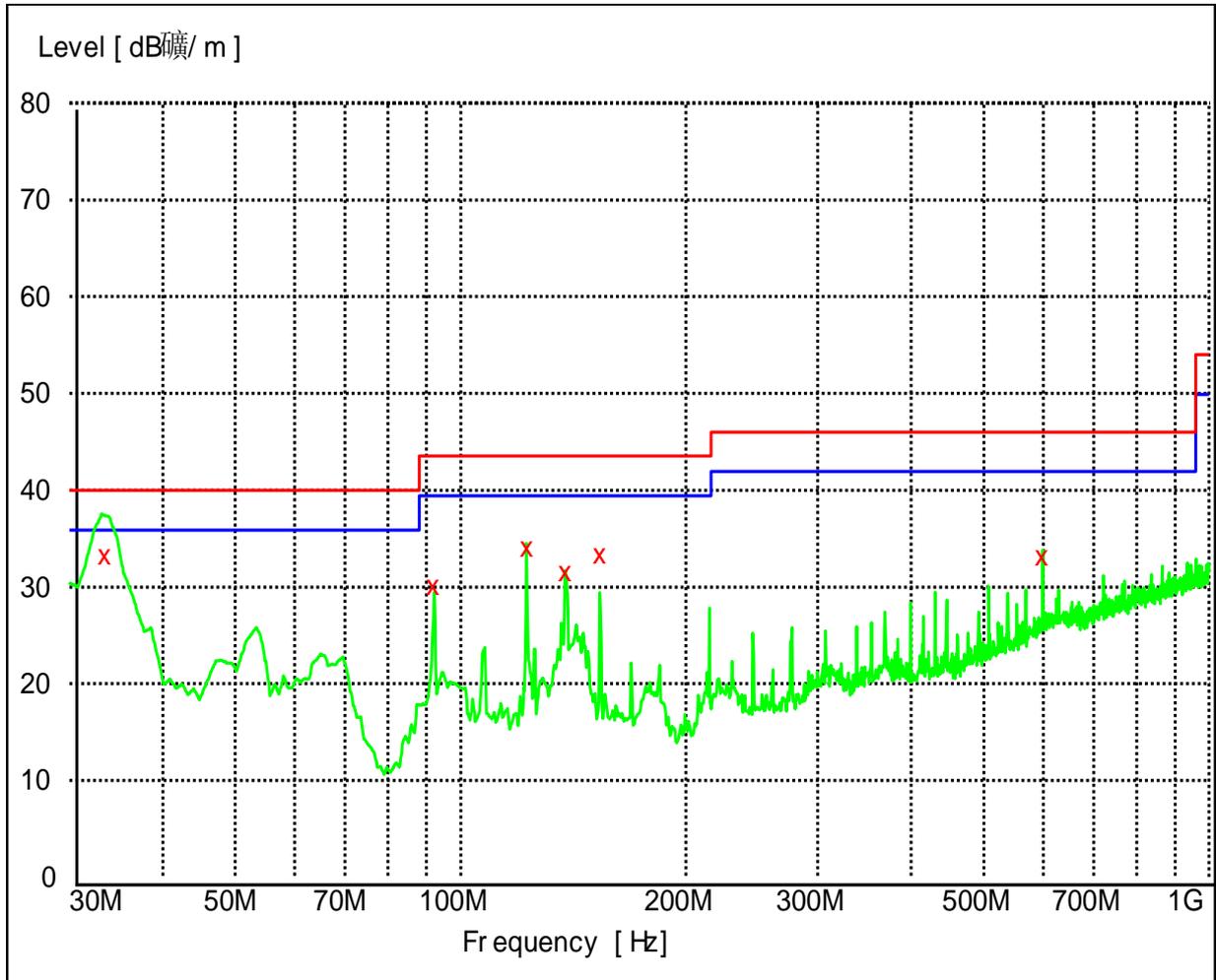
Radiated spurious emission

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



Channel 0

30MHz to 1GHz



x M ES R2010092535_f n
 M ES R2010092535_pre
 LIM FCC B RE 3m FCC ClassB, field strength
 LIM FCC B RF 3m 4.1dB FCC ClassB, field strength

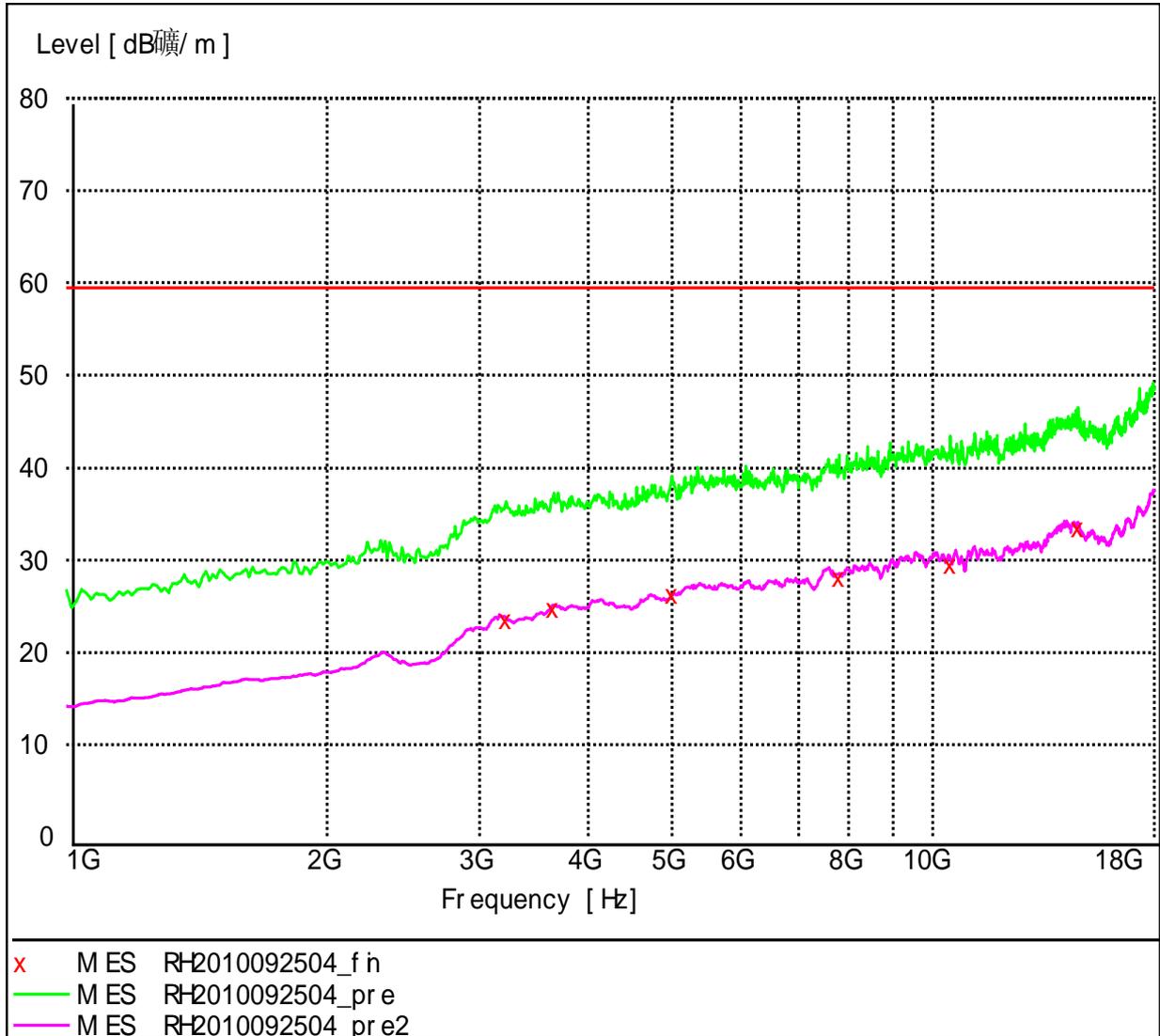
Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Plarization
33.540000	33.30	11.7	40.0	6.7	100.0	136.00	VERTICAL
92.160000	30.20	12.2	43.5	13.3	109.0	175.00	VERTICAL
122.880000	34.10	10.1	43.5	9.4	100.0	59.00	VERTICAL



138.300000	31.50	8.8	43.5	12.0	100.0	78.00	VERTICAL
153.600000	33.40	9.2	43.5	10.1	100.0	123.00	VERTICAL
599.100000	33.20	22.5	46.0	12.8	100.0	228.00	VERTICAL



1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
3217.000000	23.50	-8.3	59.5	36.0	100.0	222.00	VERTICAL
3647.000000	24.70	-6.8	59.5	34.8	100.0	2.00	VERTICAL
5002.500000	26.20	-3.7	59.5	33.3	100.0	263.00	VERTICAL
7794.000000	28.10	1.8	59.5	31.4	100.0	199.00	VERTICAL



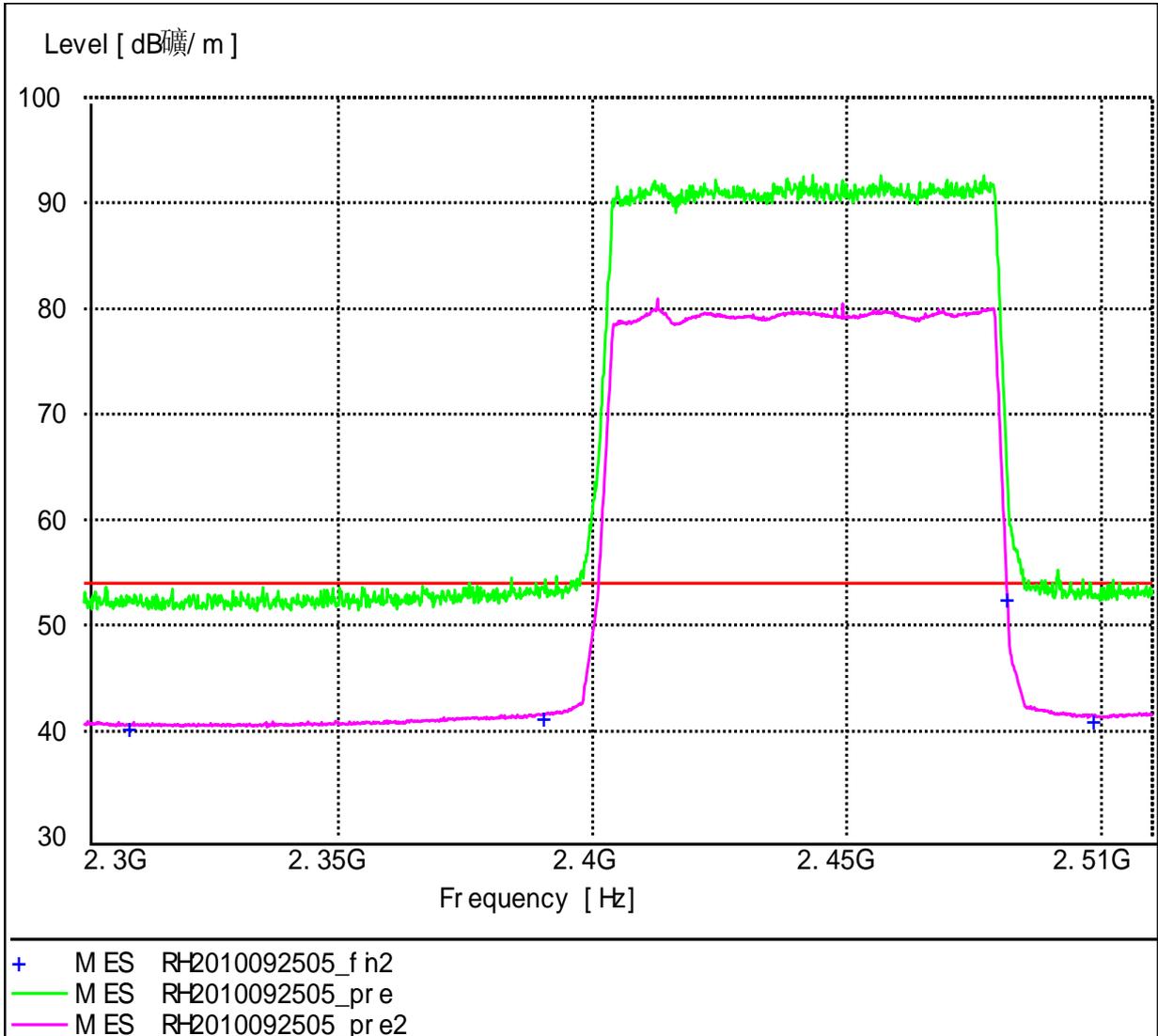


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz



Note: The highest peak exceeds the limit line is carrier frequency.
The bands from 2.4GHz to 2.4835GHz is out of the restricted bands.

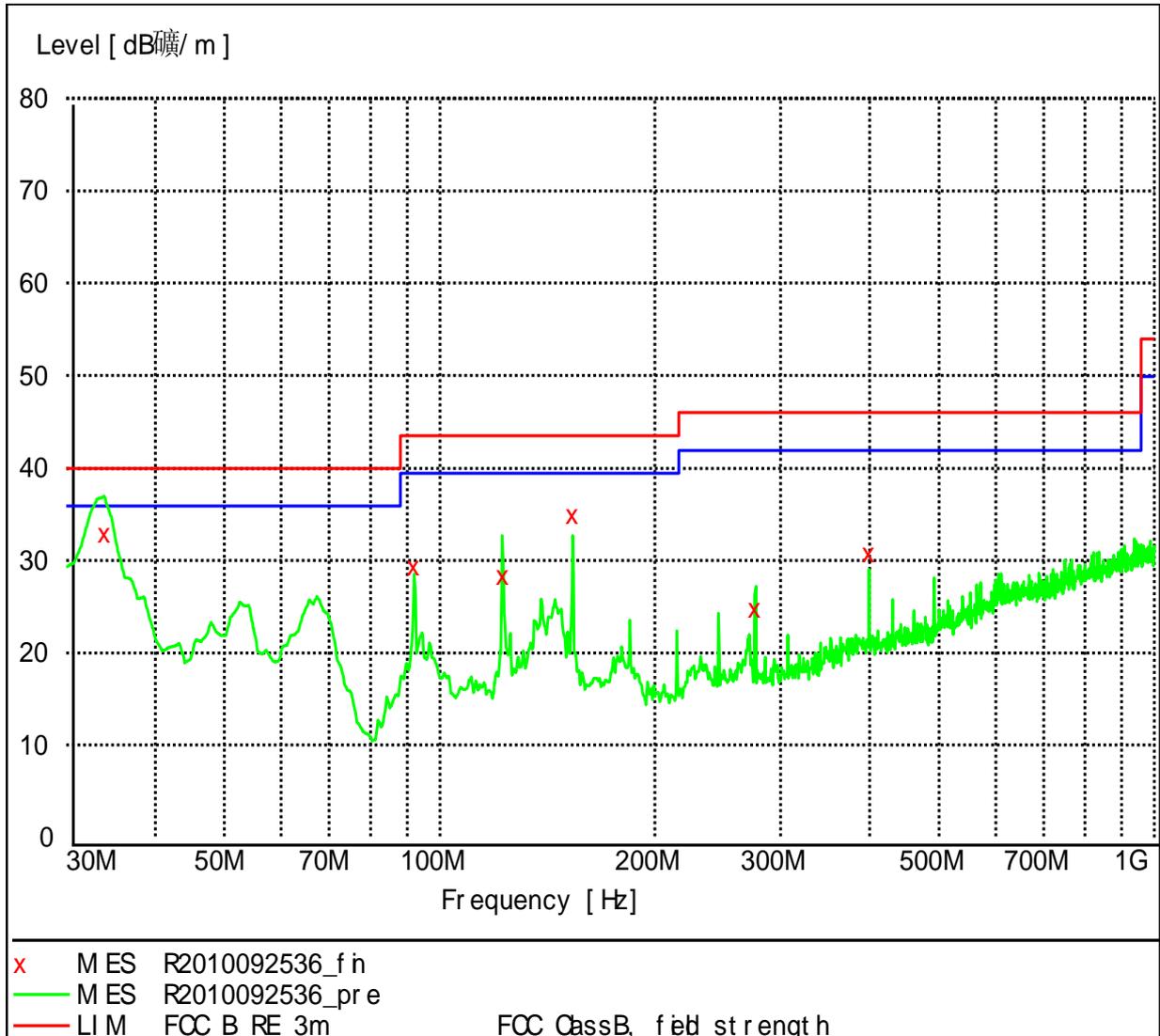
Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2309.000000	40.20	35.5	1000.0	959.8	161.0	280.00	HORIZONTAL
2390.500000	41.20	36.3	1000.0	958.8	198.0	150.00	VERTICAL
2481.500000	52.50	47.8	1000.0	947.5	139.0	58.00	VERTICAL



2498.500000	40.90	36.3	1000.0	959.1	148.0	147.00	HORIZONTAL L
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Channel 40 30MHz to 1GHz



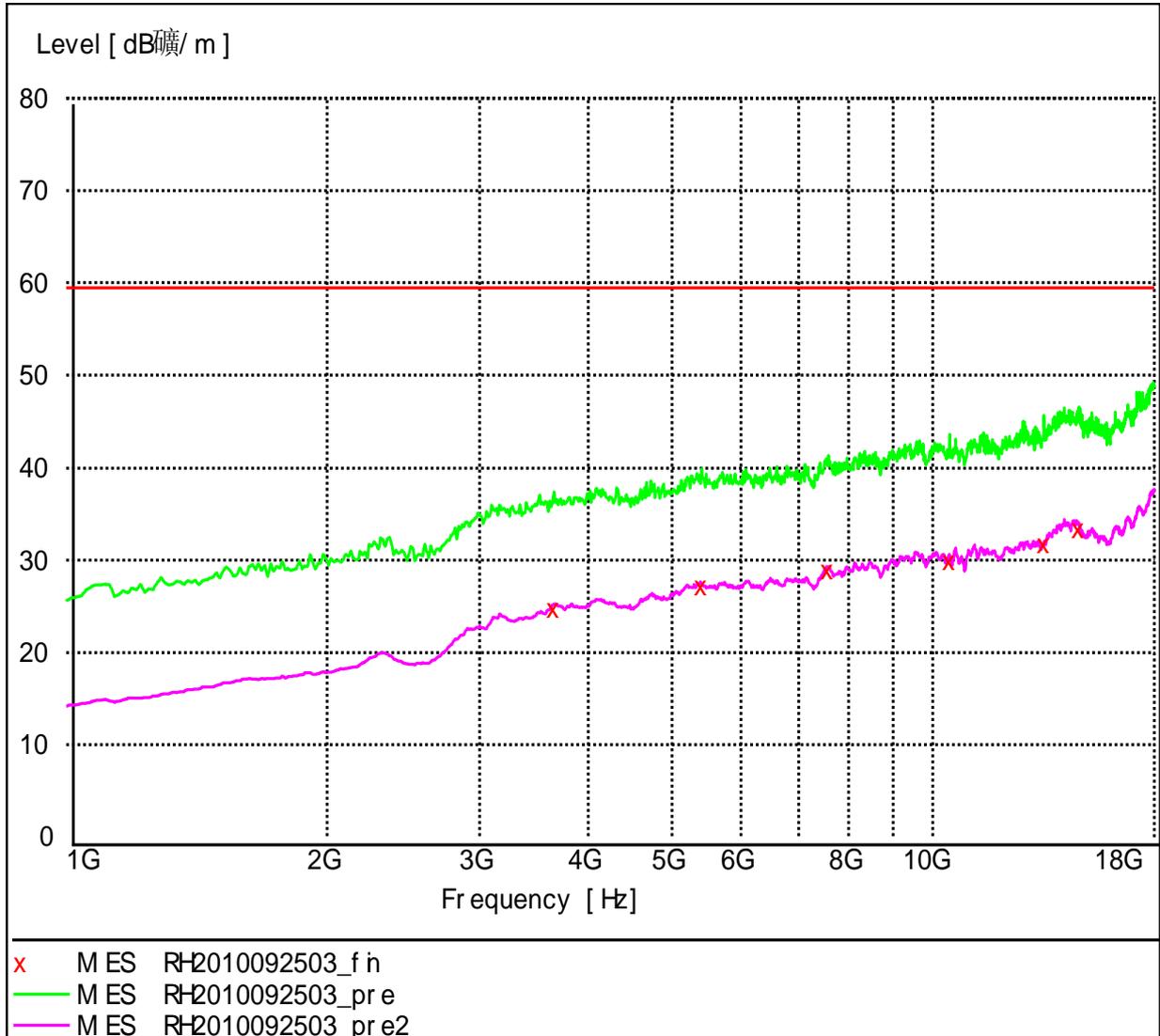
Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
34.020000	32.90	11.7	40.0	7.1	100.0	77.00	VERTICAL
92.160000	29.40	12.2	43.5	14.1	117.0	148.00	VERTICAL



122.940000	28.30	10.1	43.5	15.2	100.0	65.00	VERTICAL
153.600000	35.00	9.2	43.5	8.5	100.0	88.00	VERTICAL



1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
3654.500000	24.70	-6.8	59.5	34.8	194.0	40.00	VERTICAL
5406.000000	27.20	-2.4	59.5	32.3	100.0	21.00	HORIZONTAL
7563.000000	28.90	1.6	59.5	30.6	196.0	141.00	HORIZONTAL
10454.500000	29.90	5.4	59.5	29.6	122.0	0.00	HORIZONTAL



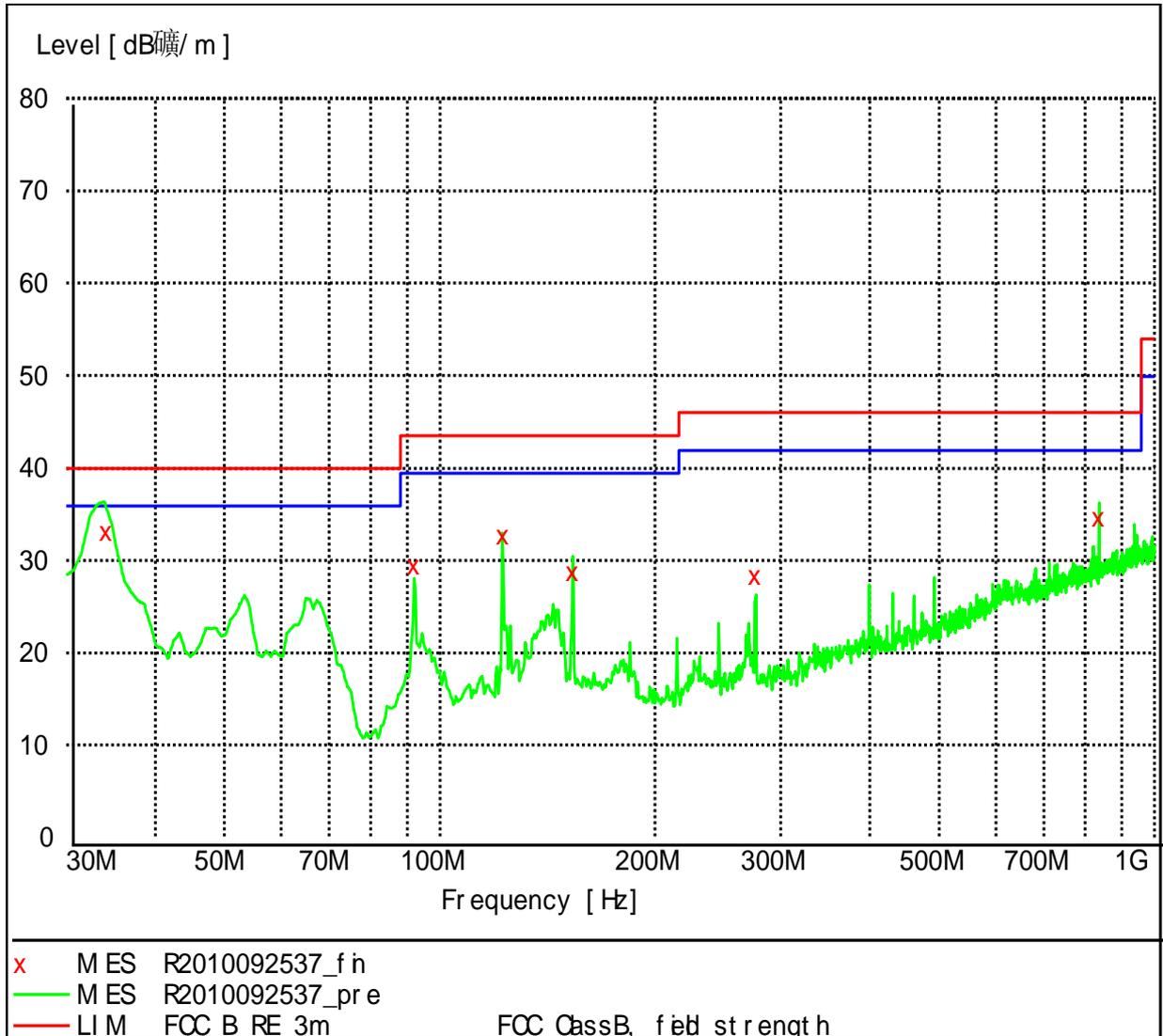


18GHz to 26GHz

Note: No peak found in pre- test.



Channel 78 30MHz to 1GHz



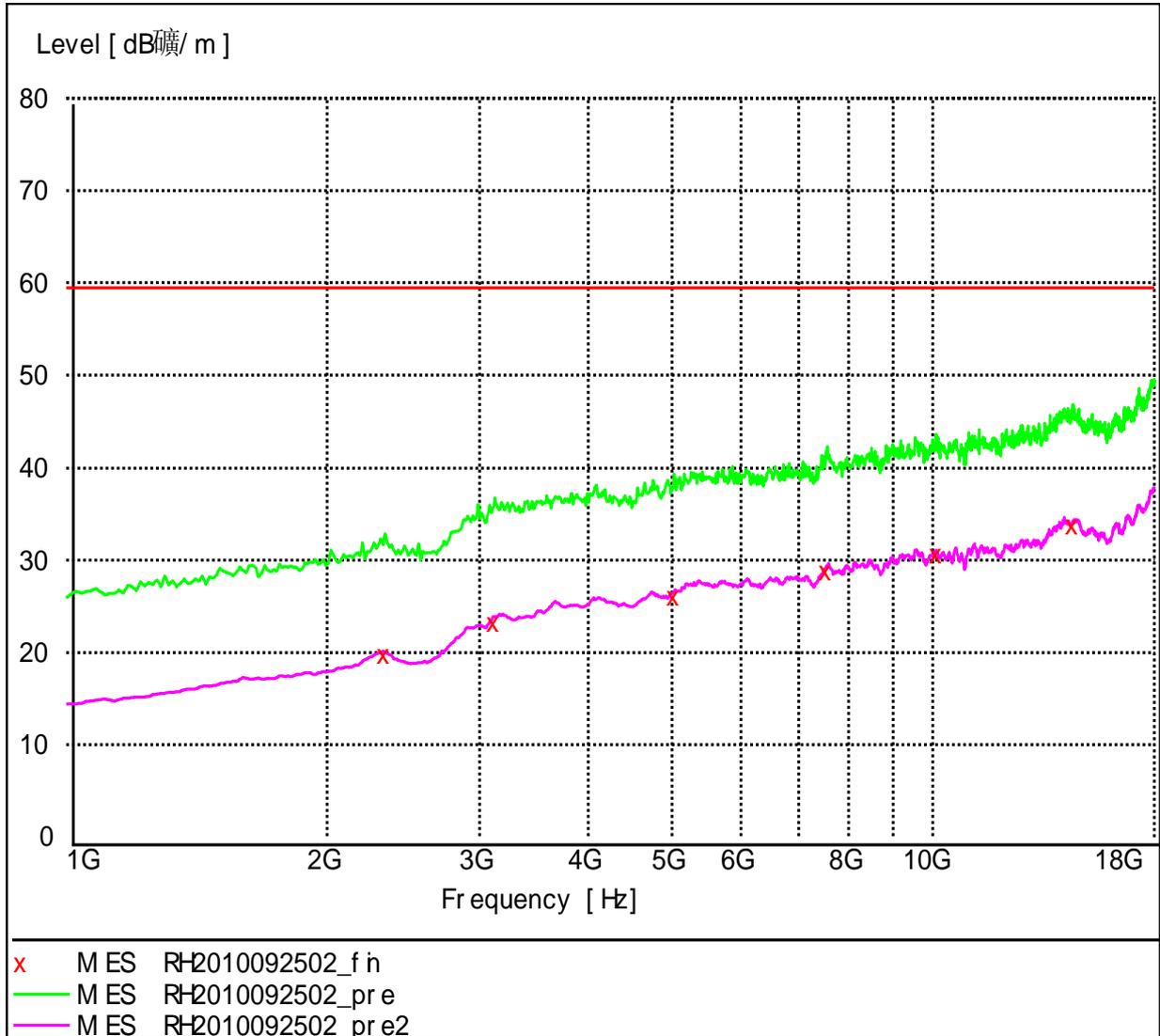
Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
34.140000	33.10	11.7	40.0	6.9	112.0	133.00	VERTICAL
92.160000	29.50	12.2	43.5	14.0	101.0	157.00	VERTICAL



122.880000	32.80	10.1	43.5	10.7	104.0	47.00	VERTICAL
153.660000	28.80	9.2	43.5	14.7	104.0	105.00	VERTICAL



1GHz to 18GHz



Note: Signal suppressed with a 2.4 GHz band rejection filter

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2326.000000	19.80	-11.7	59.5	39.7	100.0	121.00	VERTICAL
3115.000000	23.30	-8.6	59.5	36.2	142.0	179.00	HORIZONTAL
5018.500000	26.00	-3.7	59.5	33.5	163.0	335.00	VERTICAL
7531.000000	28.80	1.5	59.5	30.7	100.0	126.00	VERTICAL



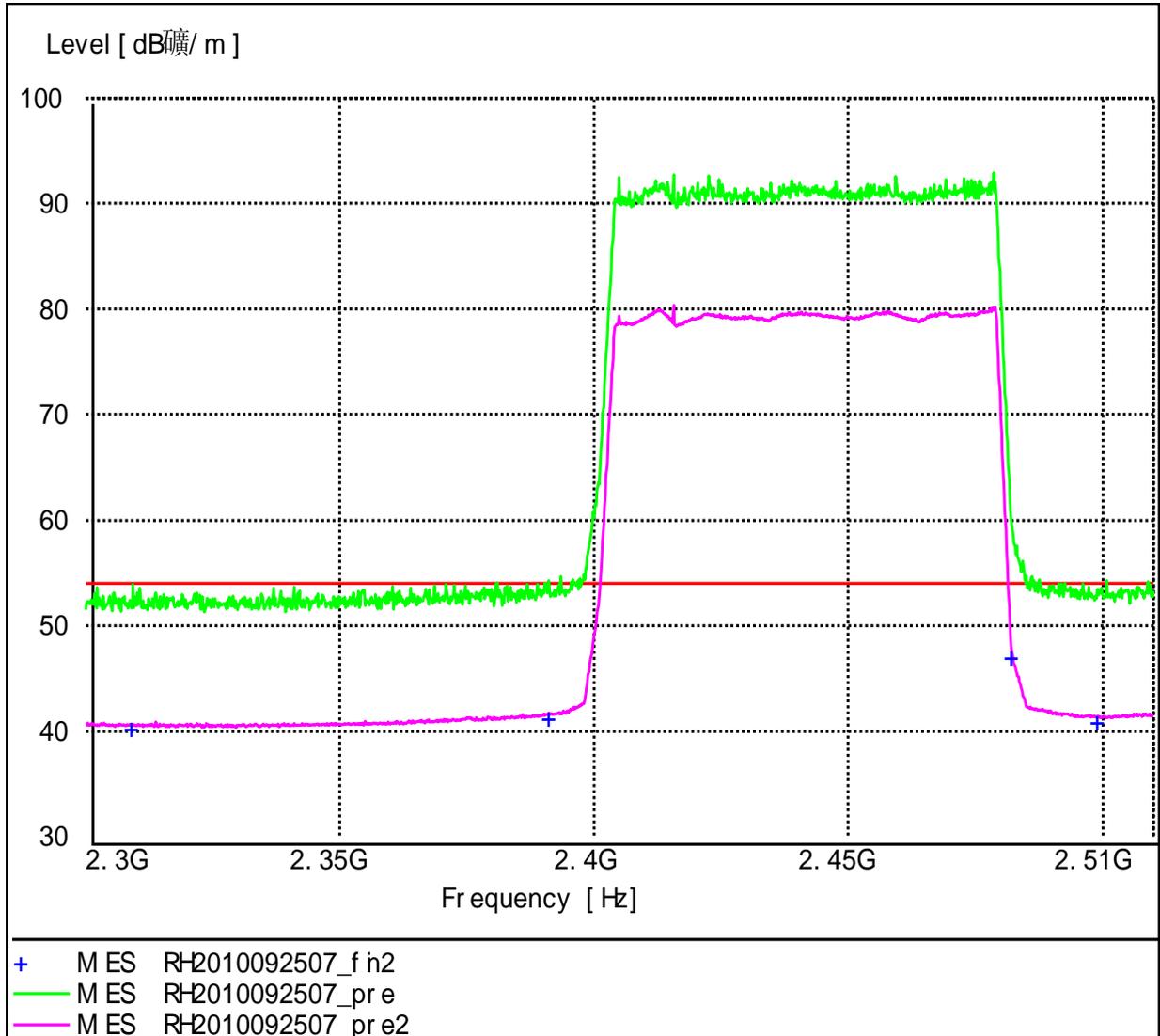


18GHz to 26GHz

Note: No peak found in pre- test.



2GHz to 3GHz



Note: The highest peak exceeds the limit line is carrier frequency.
The bands from 2.4GHz to 2.4835GHz is out of the restricted bands.

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2309.000000	40.20	35.5	54.0	13.8	149.0	313.00	HORIZONTAL
2391.000000	41.20	36.3	54.0	12.8	147.0	86.00	HORIZONTAL



2482.00000 0	47.00	42.4	54.0	7.0	197.0	26.00	HORIZONTAL
2499.00000 0	40.90	36.3	54.0	13.1	200.0	205.00	VERTICAL



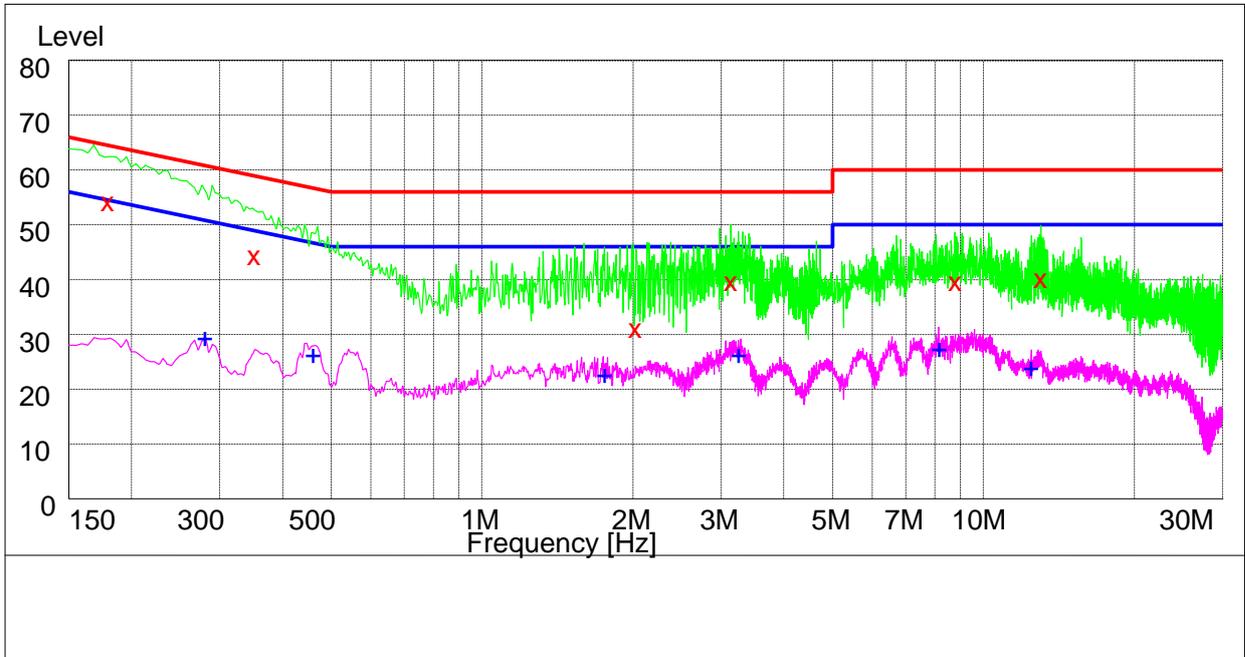
Appendix I

Conducted Emission at Power Port

According to FCC Part 15.207



Channel 40



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.180000	55.60	10.1	65	8.9	L1	FLO
0.352000	45.70	10.0	59	13.2	L1	FLO
2.030000	31.00	10.1	56	25.0	L1	FLO
3.148000	39.90	10.2	56	16.1	N	FLO
8.810000	39.80	10.3	60	20.2	N	FLO
13.048000	40.10	10.3	60	19.9	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.280000	29.70	10.0	51	21.1	L1	FLO
0.460000	27.70	10.1	47	19.0	L1	FLO
1.754000	24.10	10.1	46	21.9	N	FLO
3.246000	27.70	10.2	46	18.3	N	FLO
8.174000	28.80	10.2	50	21.2	N	FLO
12.460000	24.30	10.3	50	25.7	N	FLO