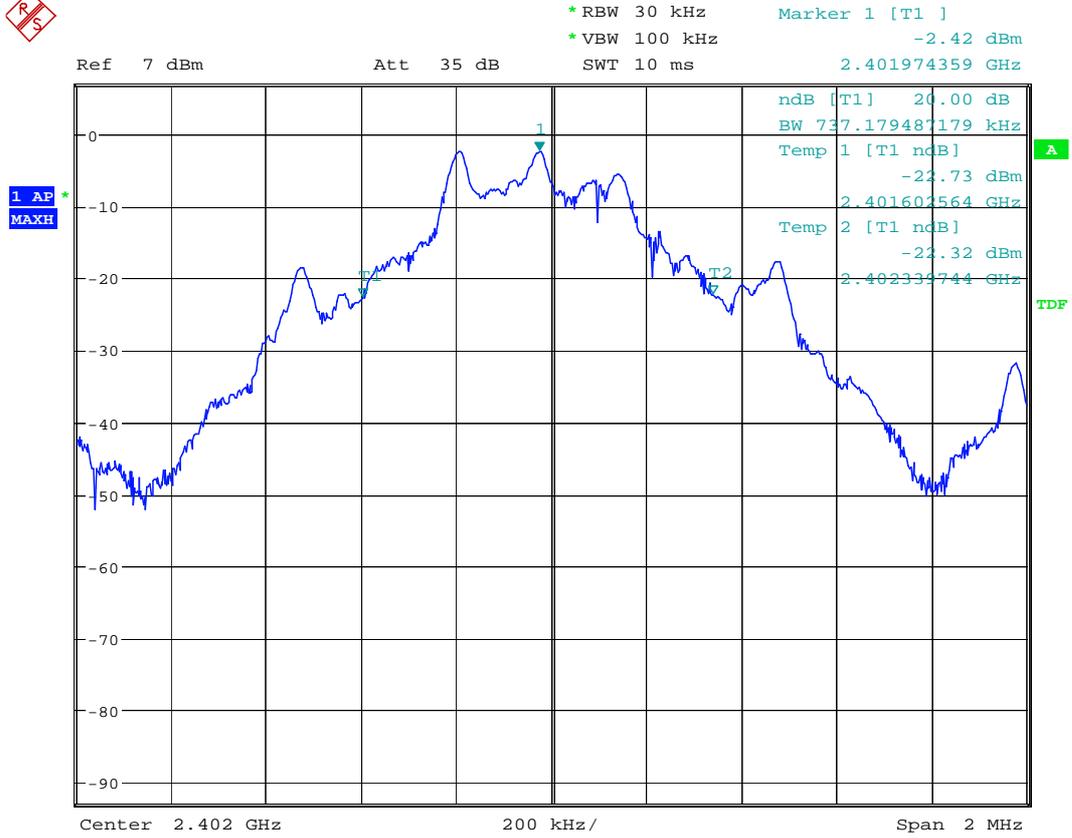


# Appendix A

## 20dB bandwidth measurement

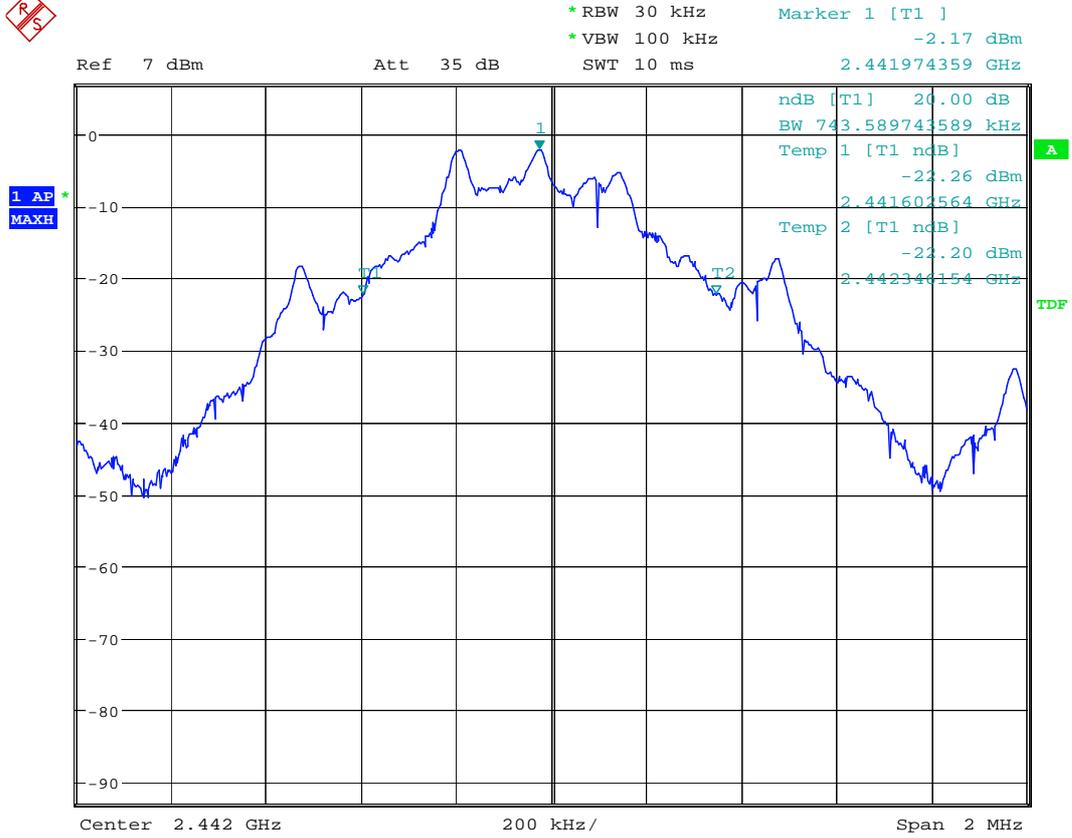
According to FCC Part 15.247 a (1)

# Channel 0 (2402MHz)



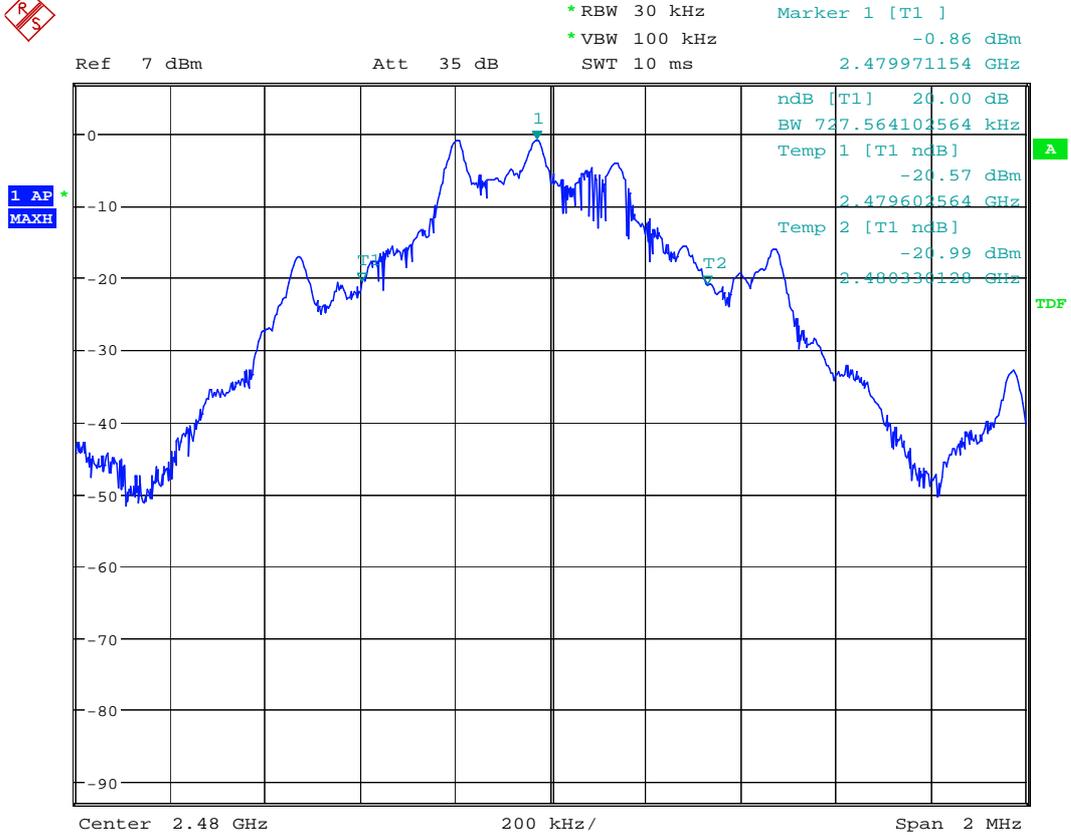
Date: 29.MAY.2007 12:58:44

# Channel 40 (2442MHz)



Date: 29.MAY.2007 12:56:37

# Channel 78 (2480MHz)



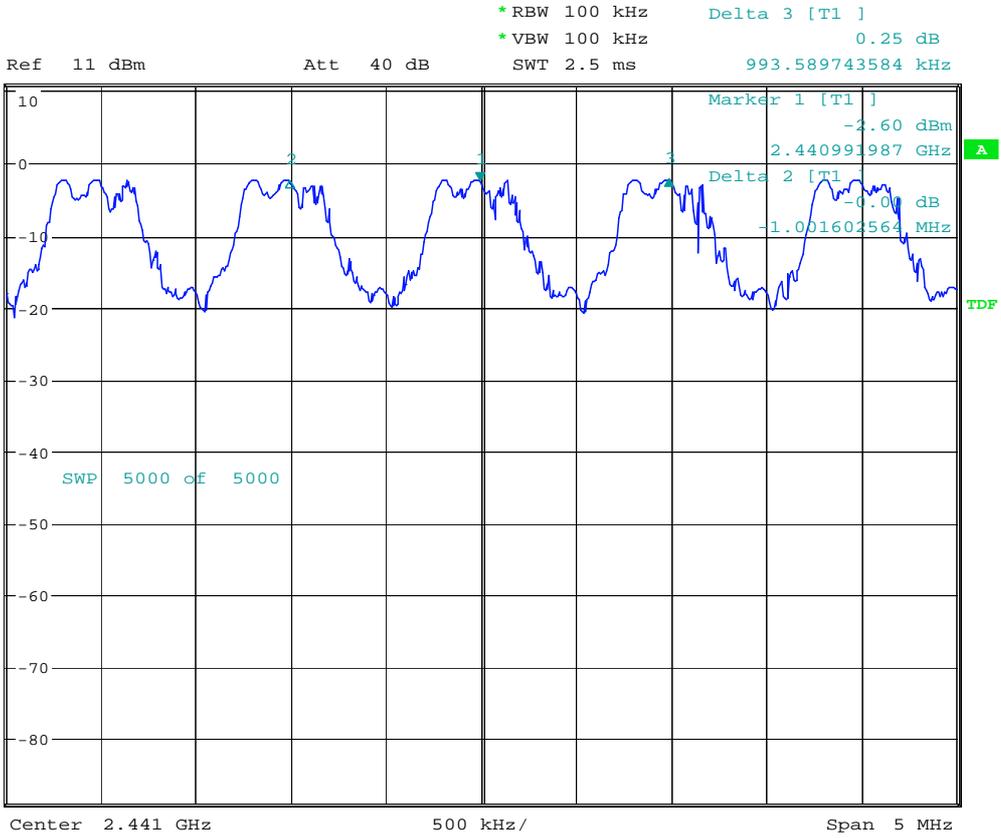
Date: 29.MAY.2007 12:59:30

## Appendix B

# Carrier frequency separation measurement

According to FCC Part 15.247 a (1)

# Centred at Channel 39



Date: 29.MAY.2007 13:12:39

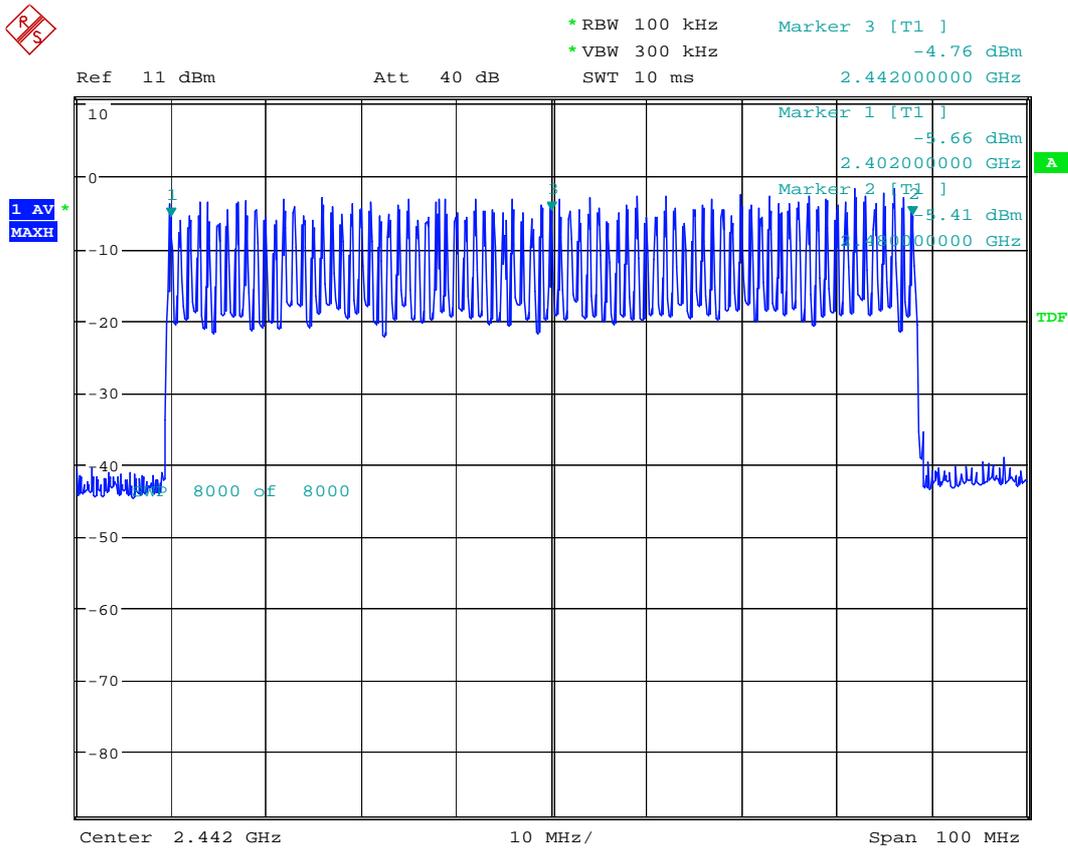
## Appendix C

### Number of hopping channel

According to FCC Part 15.247 a (1)

# Total hopping channels = 79

There are 41 peaks between marker1 and marker3



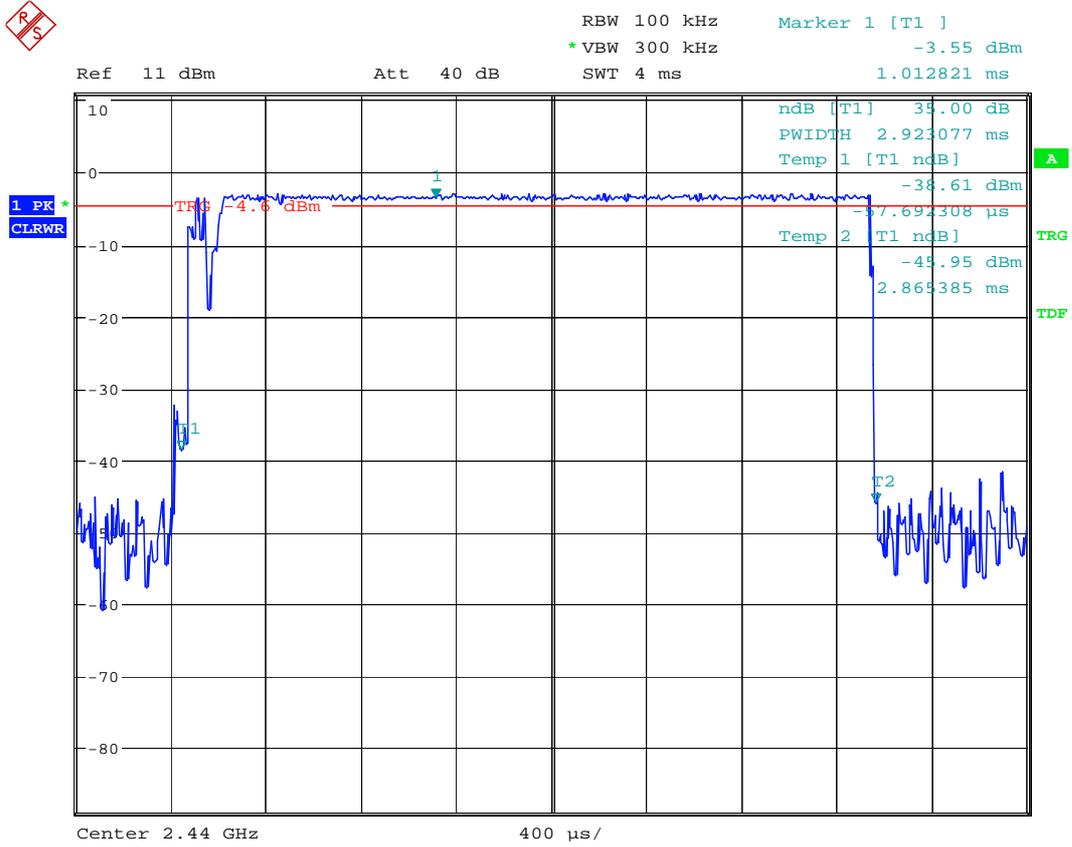
Date: 29.MAY.2007 13:19:50

## Appendix D

### Time of occupancy

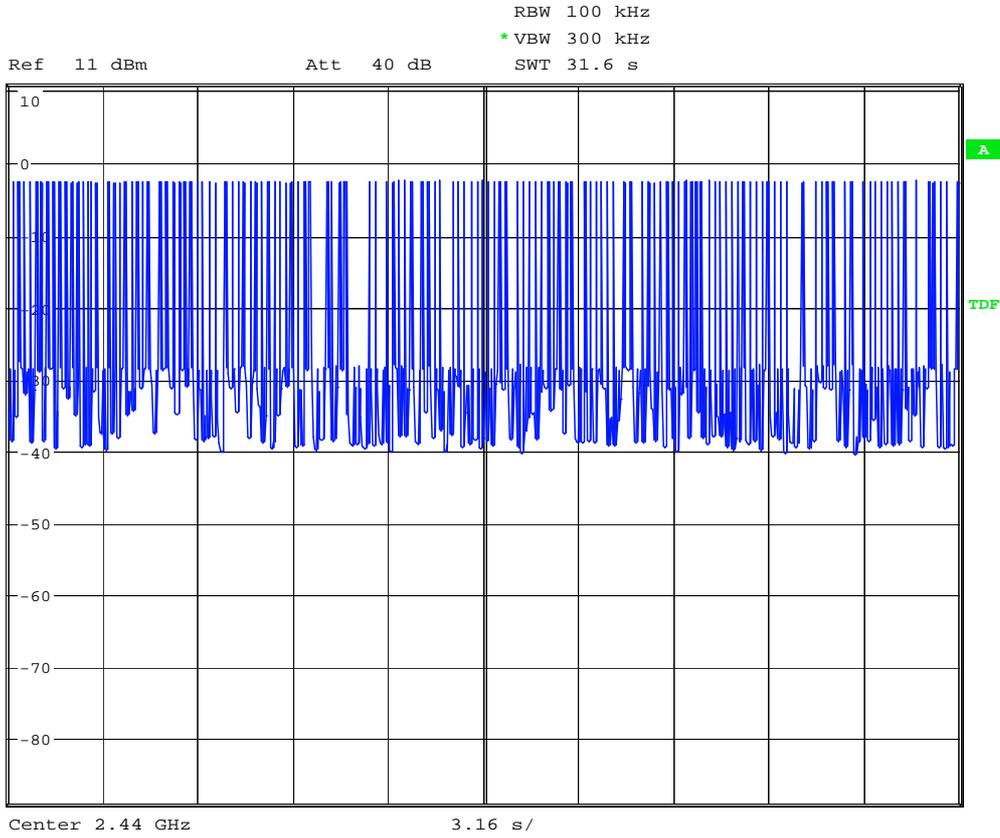
According to FCC Part 15.247 a (1)

# A burst (One time slot)



Date: 29.MAY.2007 13:42:04

# A period (Total 115 burst)



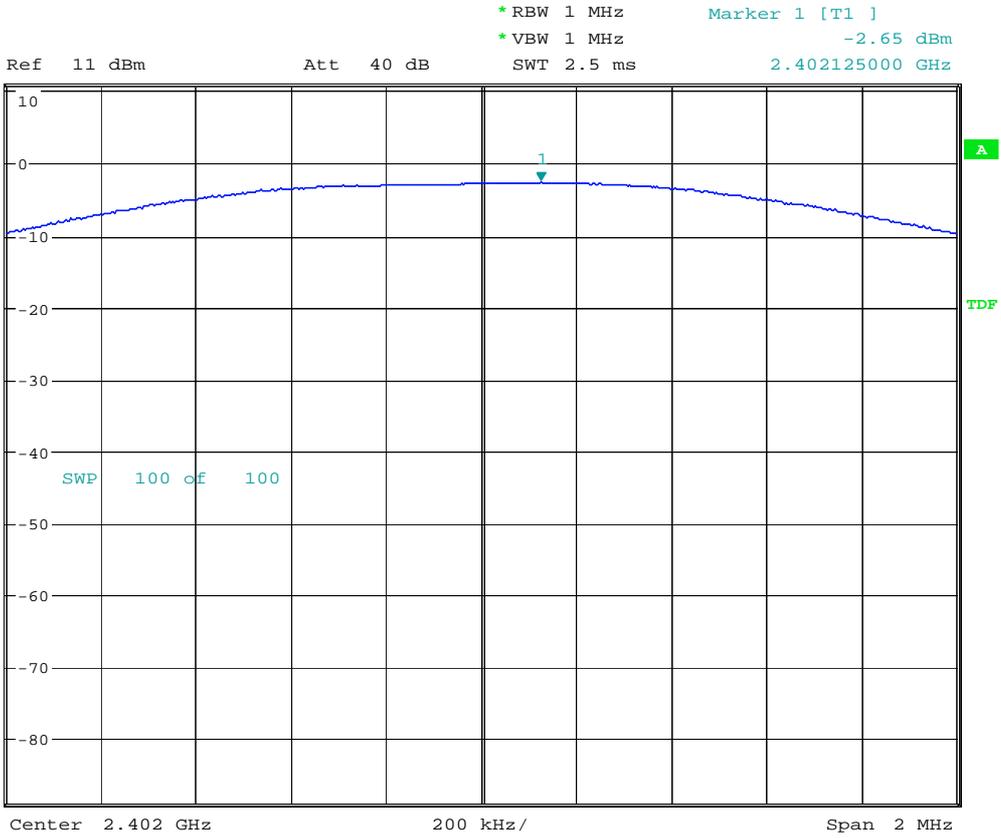
Date: 29.MAY.2007 15:29:26

# Appendix E

## Peak output power

According to FCC Part 15.247 b (1)

# Channel 0 (2402MHz)

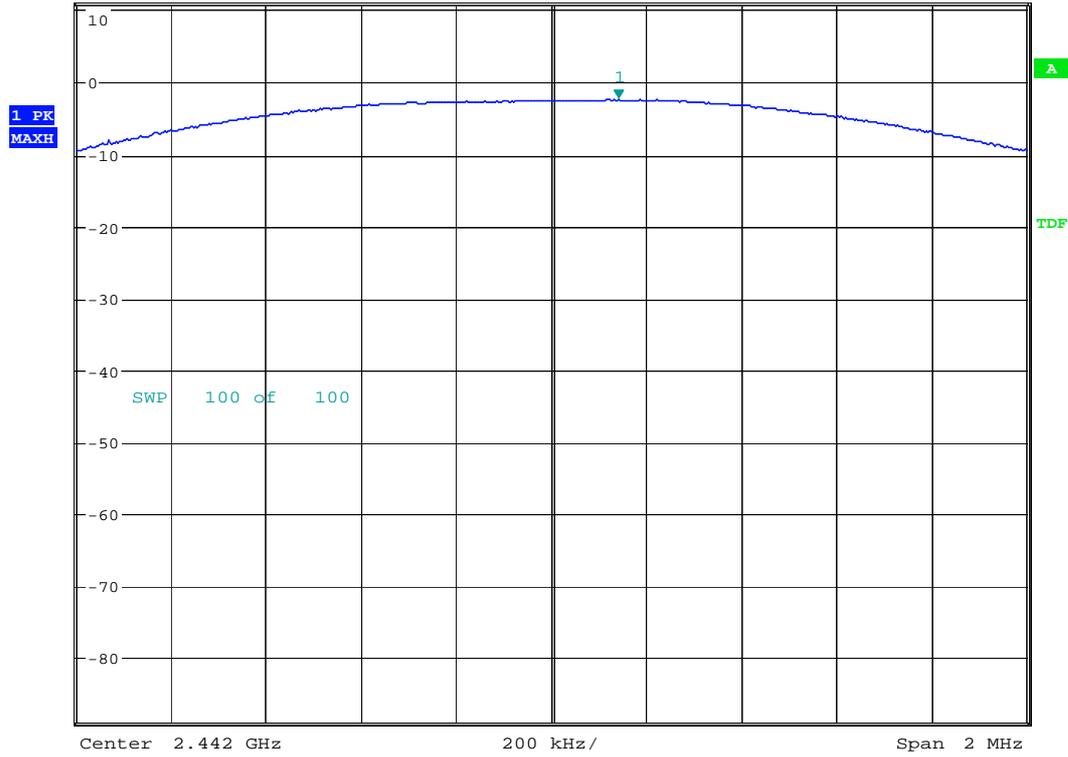


Date: 29.MAY.2007 15:32:28

# Channel 40 (2442MHz)



Ref 11 dBm Att 40 dB \*RBW 1 MHz Marker 1 [T1 ]  
\*VBW 1 MHz -2.44 dBm  
SWT 2.5 ms 2.442141026 GHz

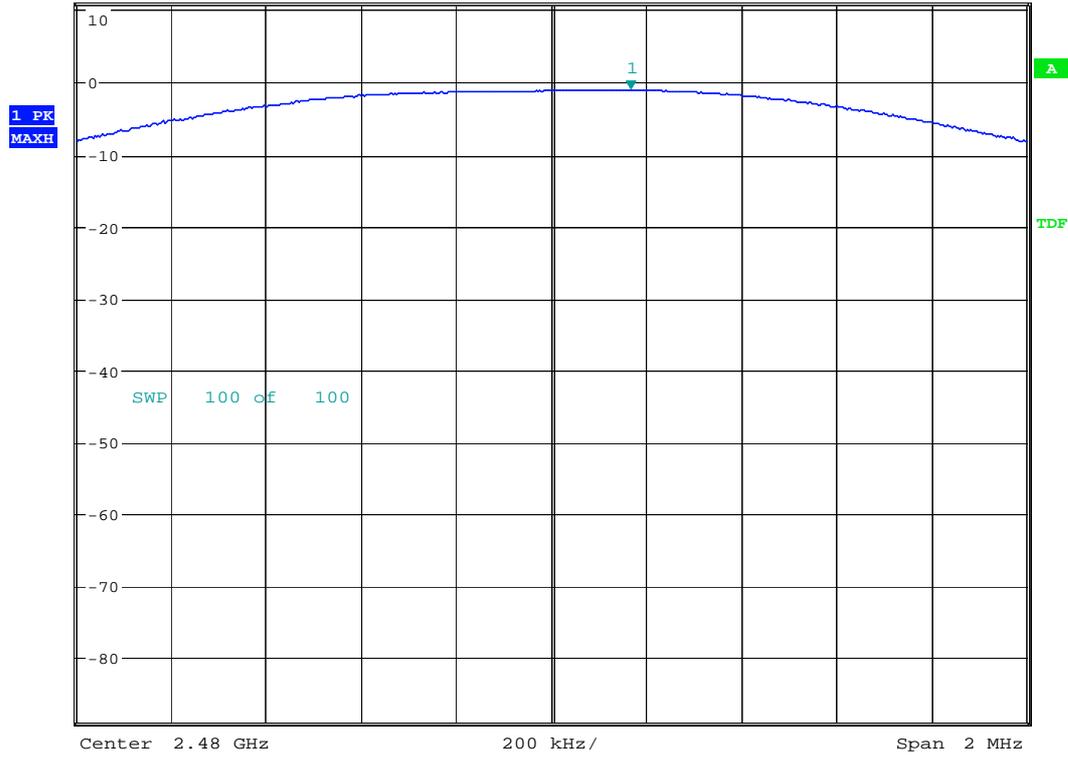


Date: 29.MAY.2007 15:32:53

# Channel 78 (2480MHz)



Ref 11 dBm Att 40 dB \*RBW 1 MHz Marker 1 [T1 ]  
\*VBW 1 MHz -1.07 dBm  
SWT 2.5 ms 2.480166667 GHz



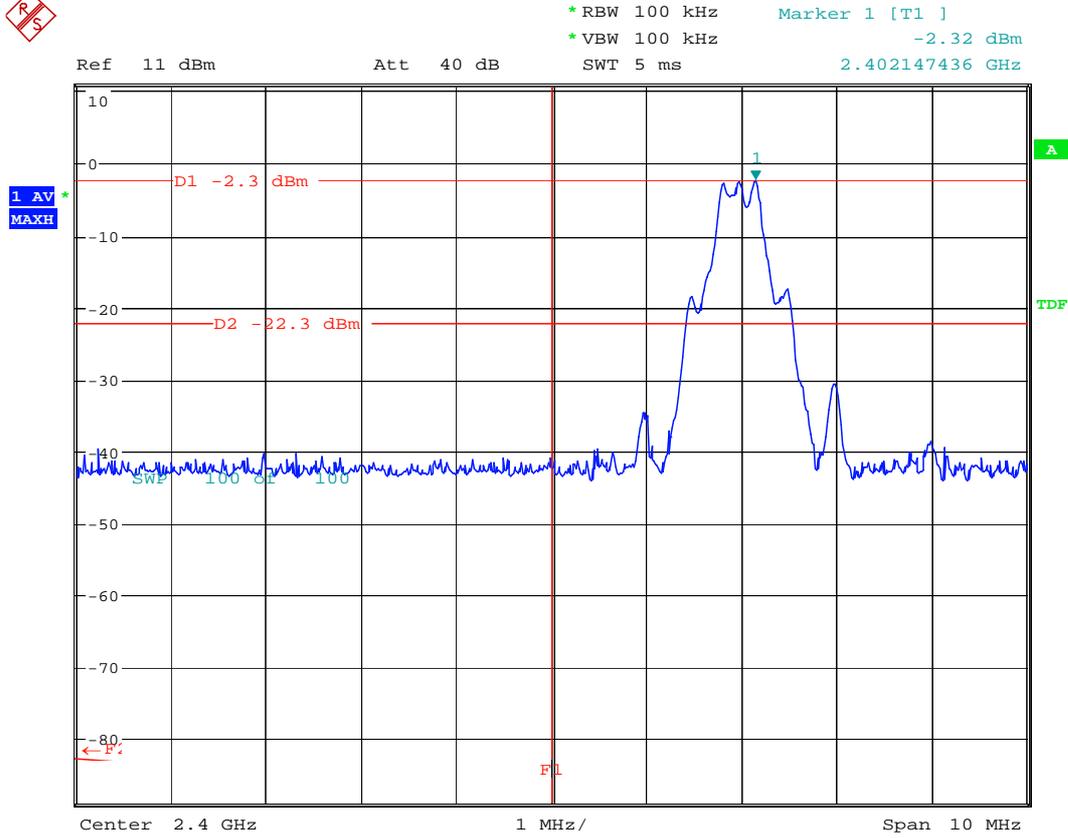
Date: 29.MAY.2007 15:33:19

# Appendix F

## Band edge spurious emission

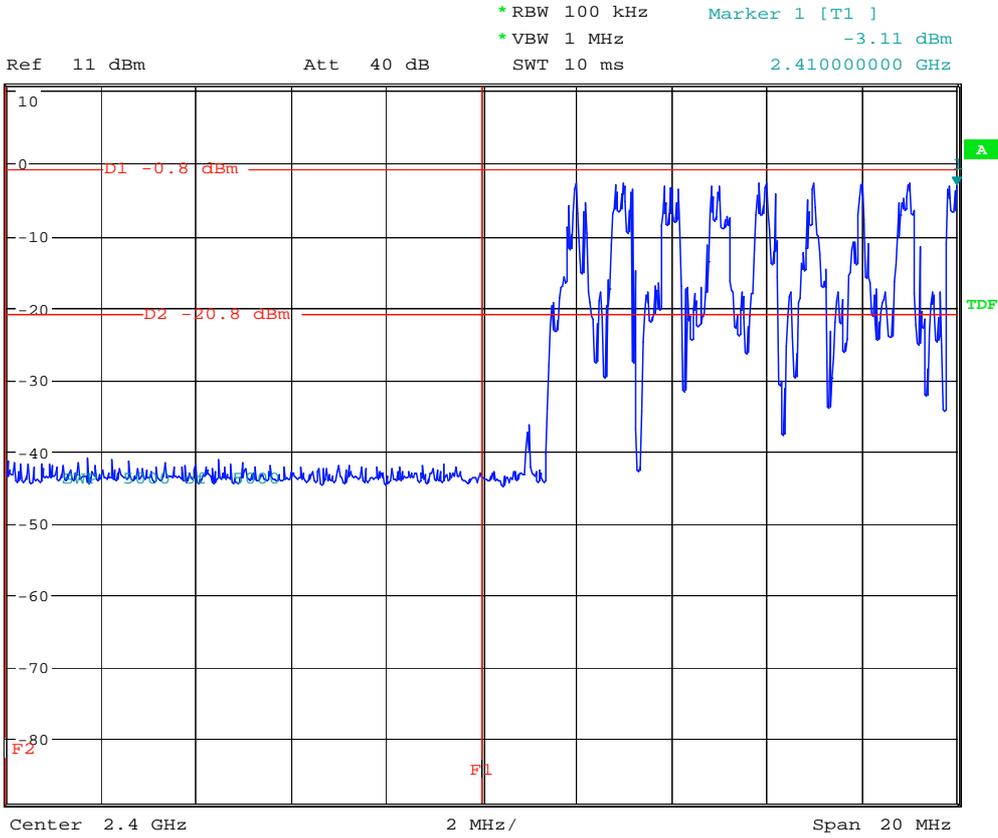
According to FCC Part 15.247 d

# Low edge (Channel 0, no hopping)



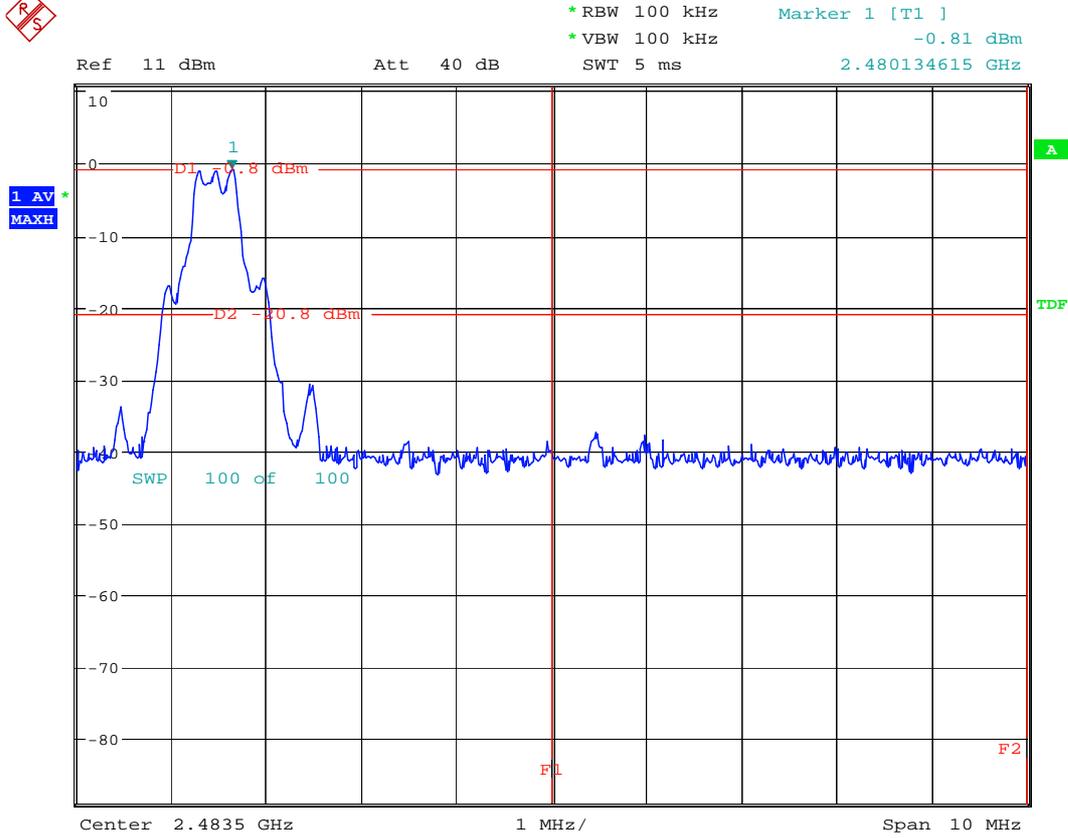
Date: 29.MAY.2007 15:55:40

# Low edge (with hopping)



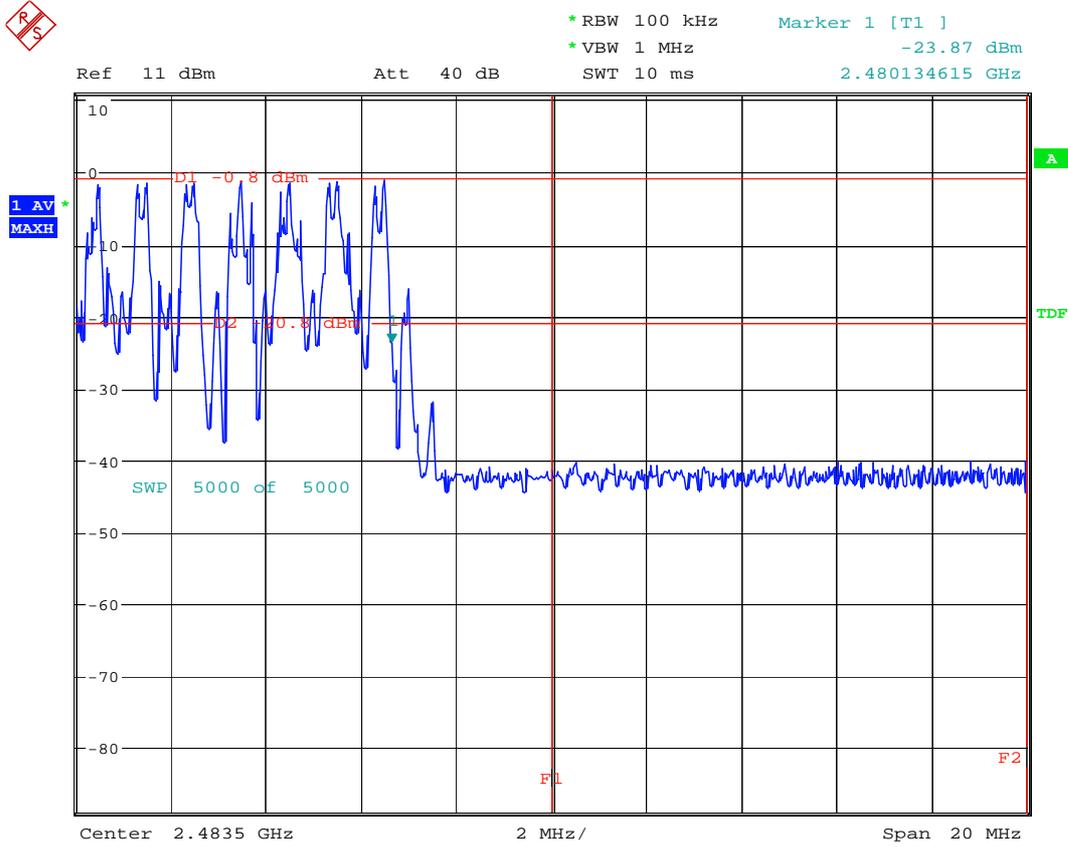
Date: 29.MAY.2007 15:53:40

# High edge (Channel 78, no hopping)



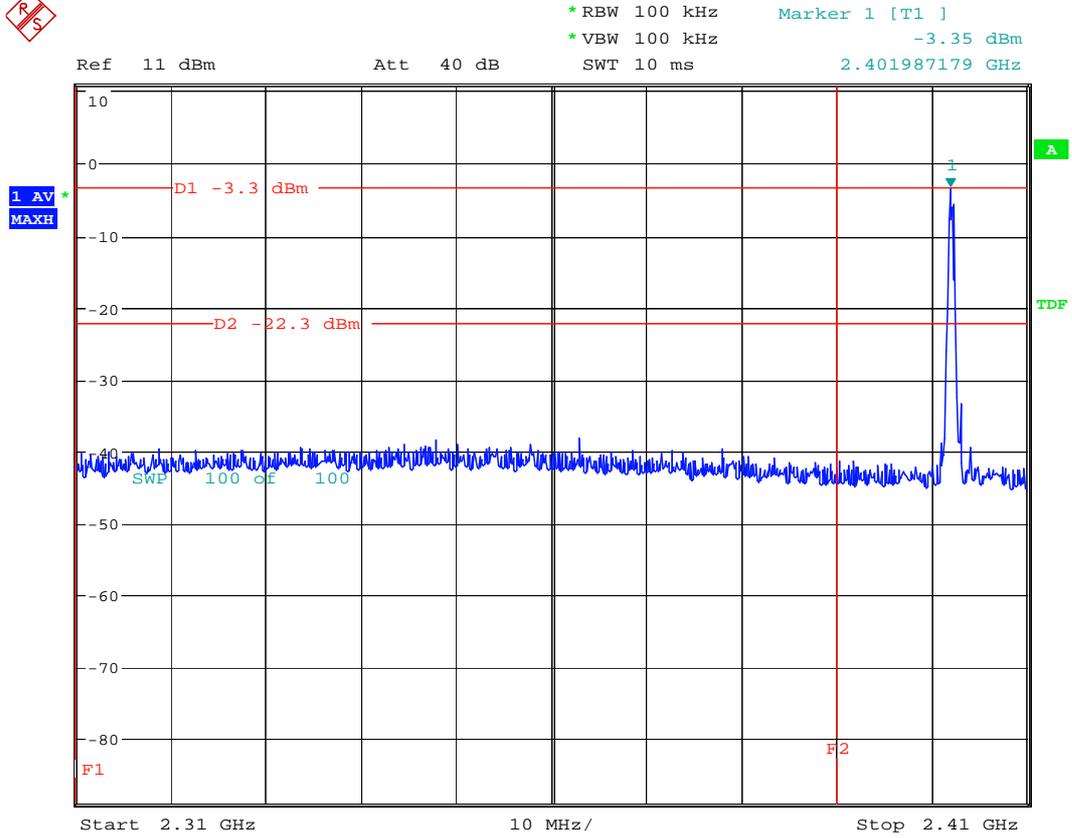
Date: 29.MAY.2007 15:38:54

# High edge (with hopping)



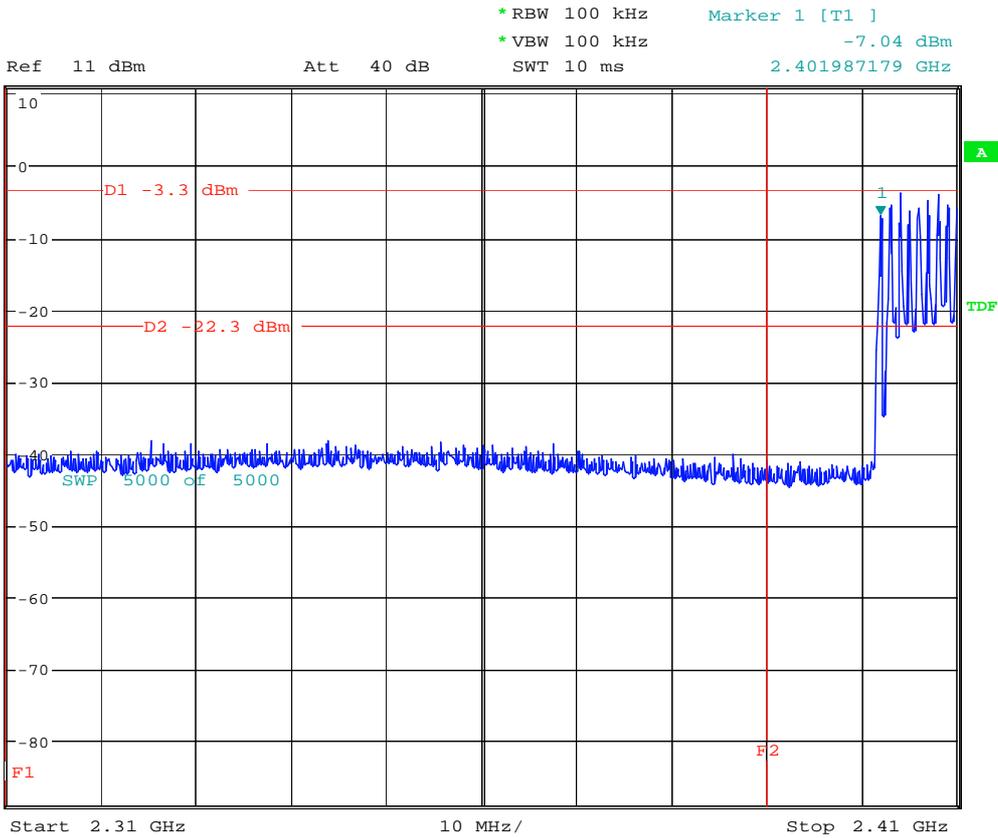
Date: 29.MAY.2007 15:46:18

# Restrict band 2310MHz to 2390MHz (channel 0, no hopping)



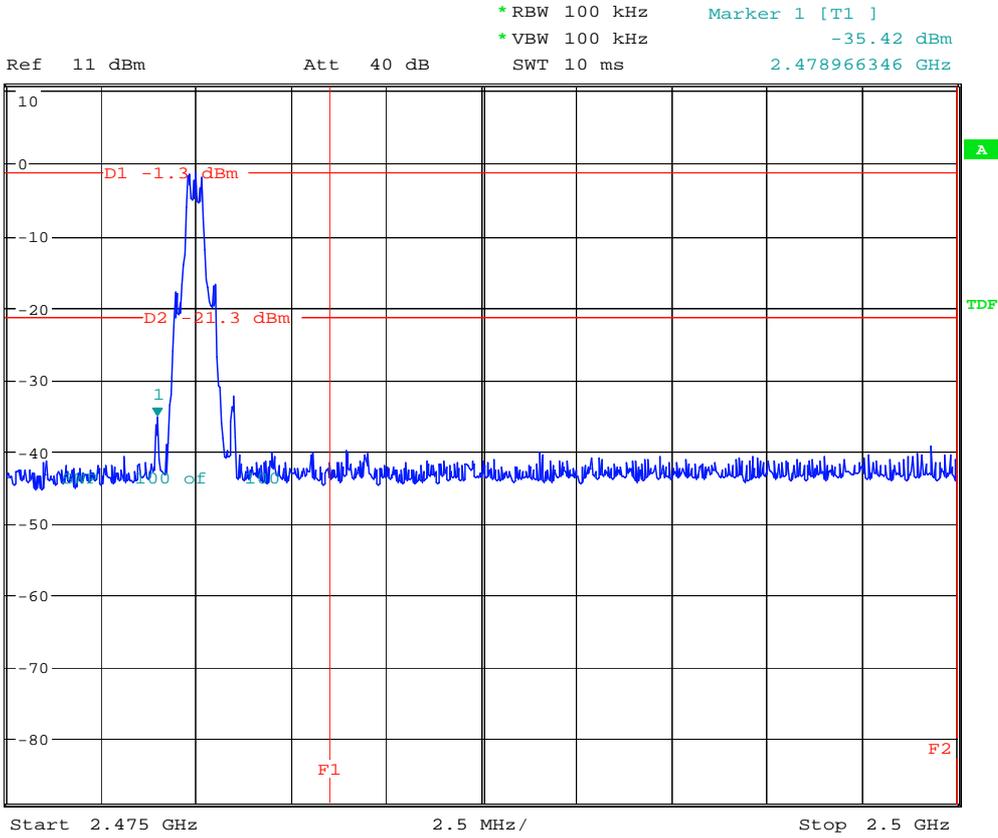
Date: 29.MAY.2007 15:59:19

# Restrict band 2310MHz to 2390MHz (with hopping)



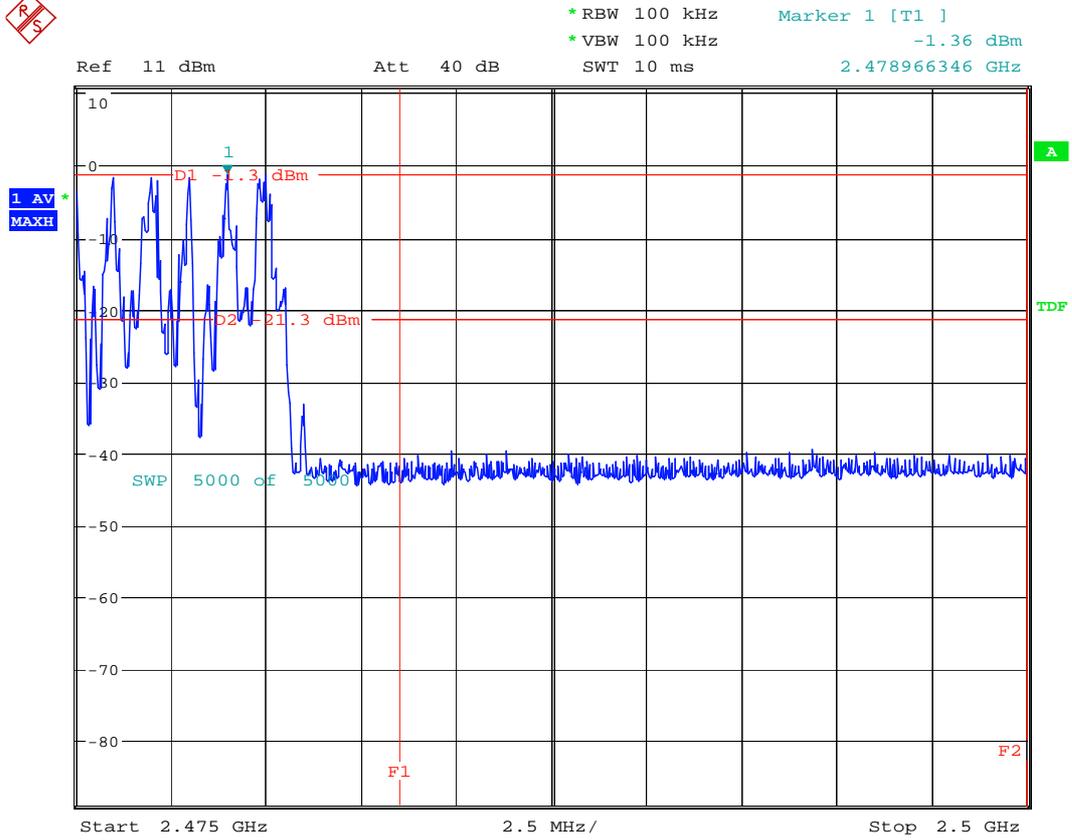
Date: 29.MAY.2007 16:04:16

# Restrict band 2483.5MHz to 2500MHz (channel 78, no hopping)



Date: 29.MAY.2007 16:12:41

# Restrict band 2483.5MHz to 2500MHz (channel 78, with hopping)



Date: 29.MAY.2007 16:10:50

# Appendix G

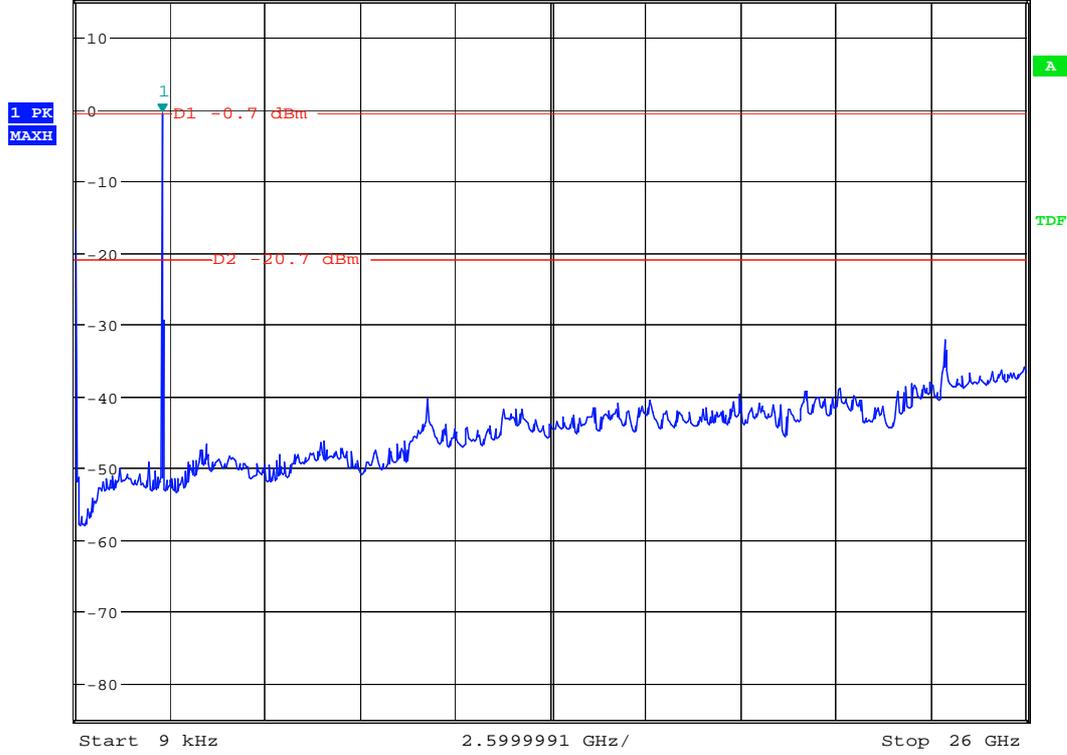
## Conducted RF spurious

According to FCC Part 15.247 d

# Channel 0



Ref 15 dBm      \* Att 10 dB      \* RBW 1 MHz      Marker 1 [T1 ]  
\* VBW 3 MHz      -0.62 dBm  
SWT 150 ms      2.375008178 GHz

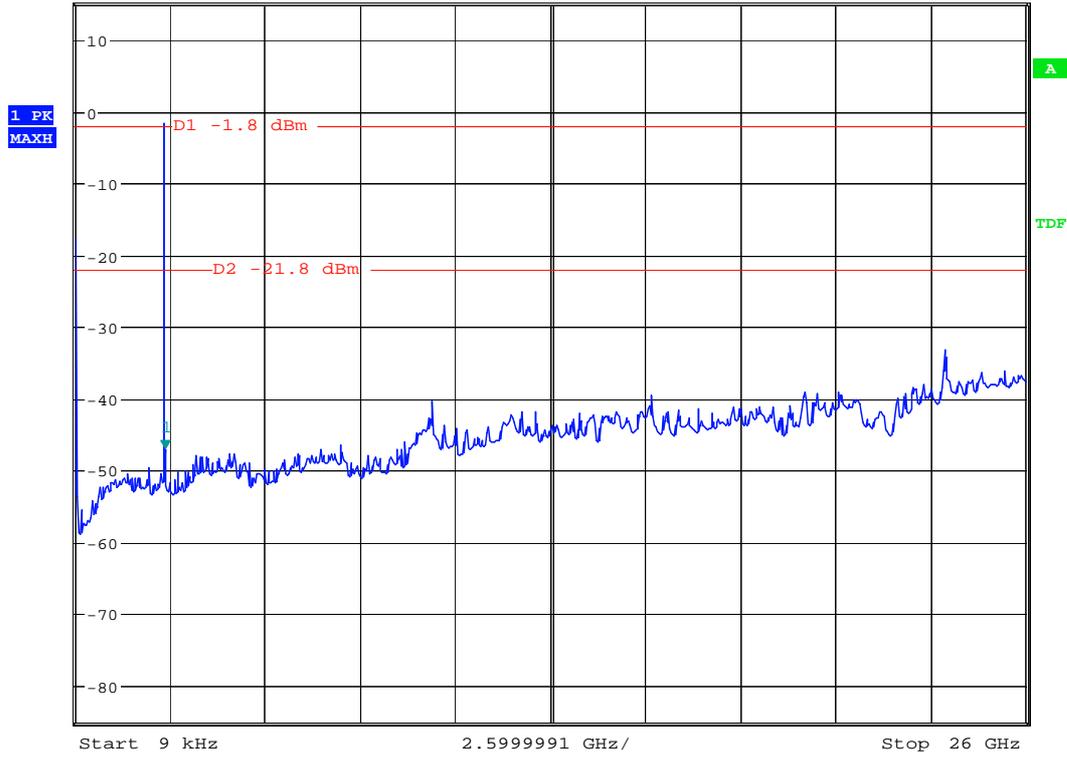


Date: 29.MAY.2007 16:28:10

# Channel 40



Ref 15 dBm      \* Att 10 dB      \* RBW 1 MHz      Marker 1 [T1 ]  
\* VBW 3 MHz      -47.14 dBm  
SWT 150 ms      2.478966346 GHz

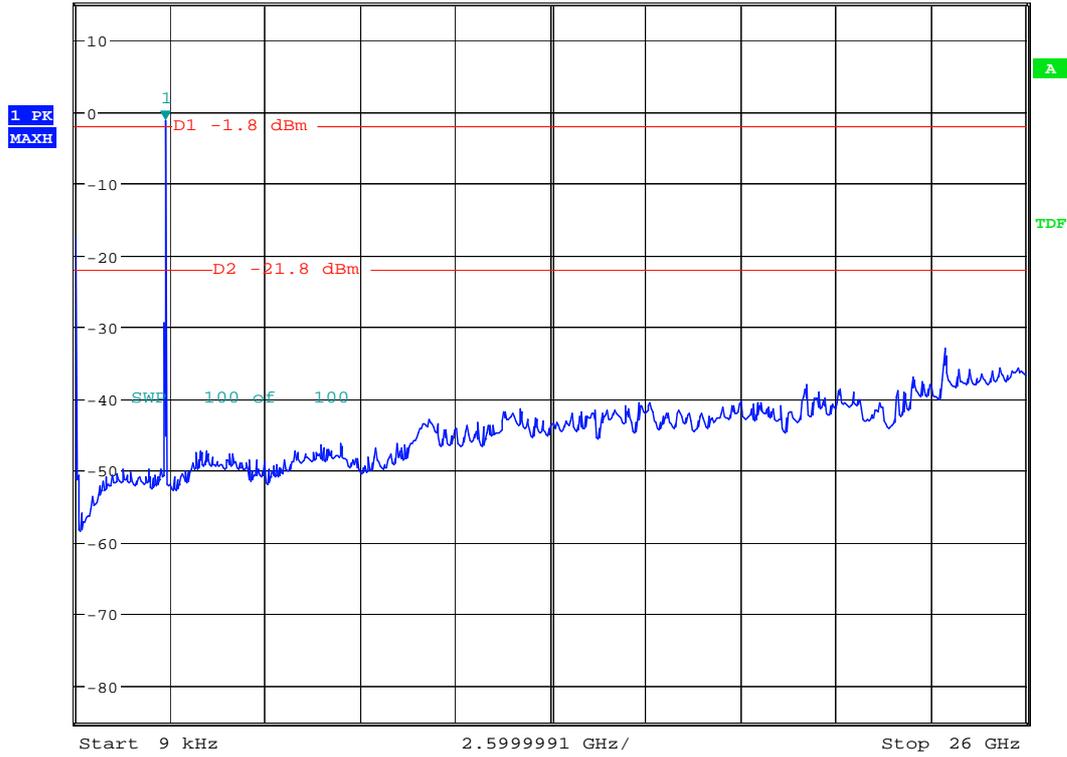


Date: 29.MAY.2007 16:27:35

# Channel 78



Ref 15 dBm      \* Att 10 dB      \* RBW 1 MHz      Marker 1 [T1 ]  
\* VBW 3 MHz      -1.32 dBm  
SWT 150 ms      2.478966346 GHz



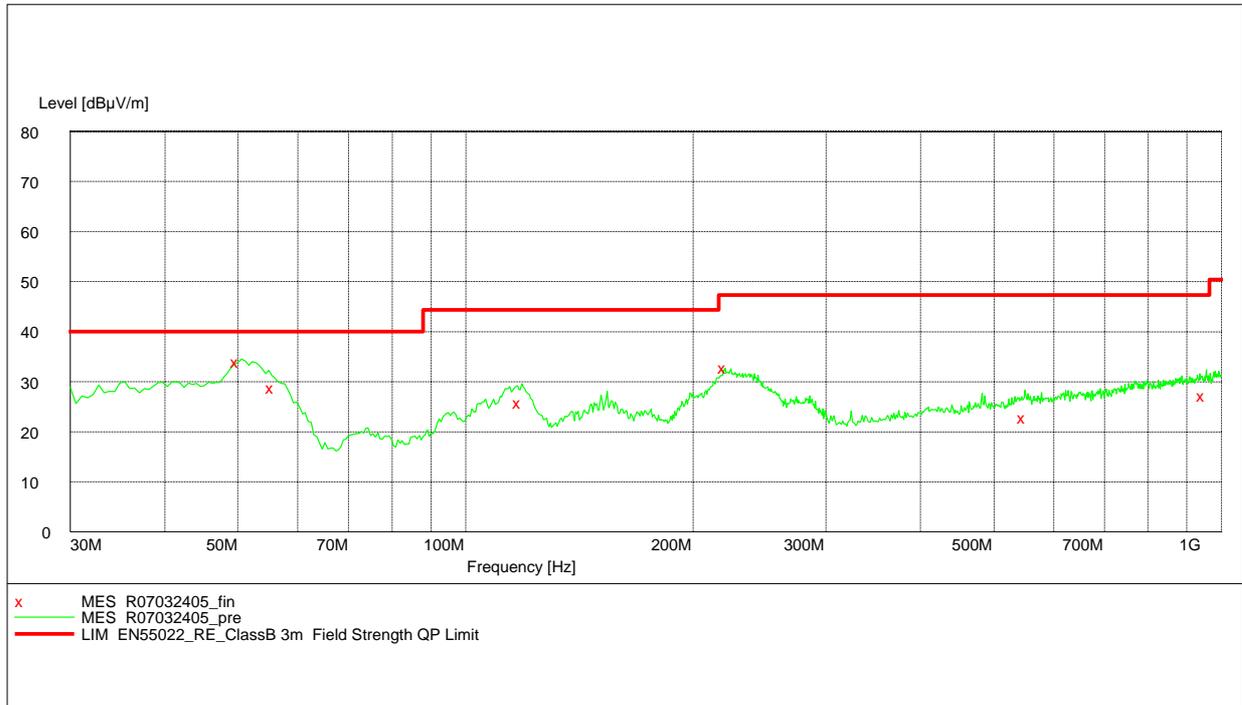
Date: 29.MAY.2007 16:20:49

## Appendix H

### Radiated spurious emission

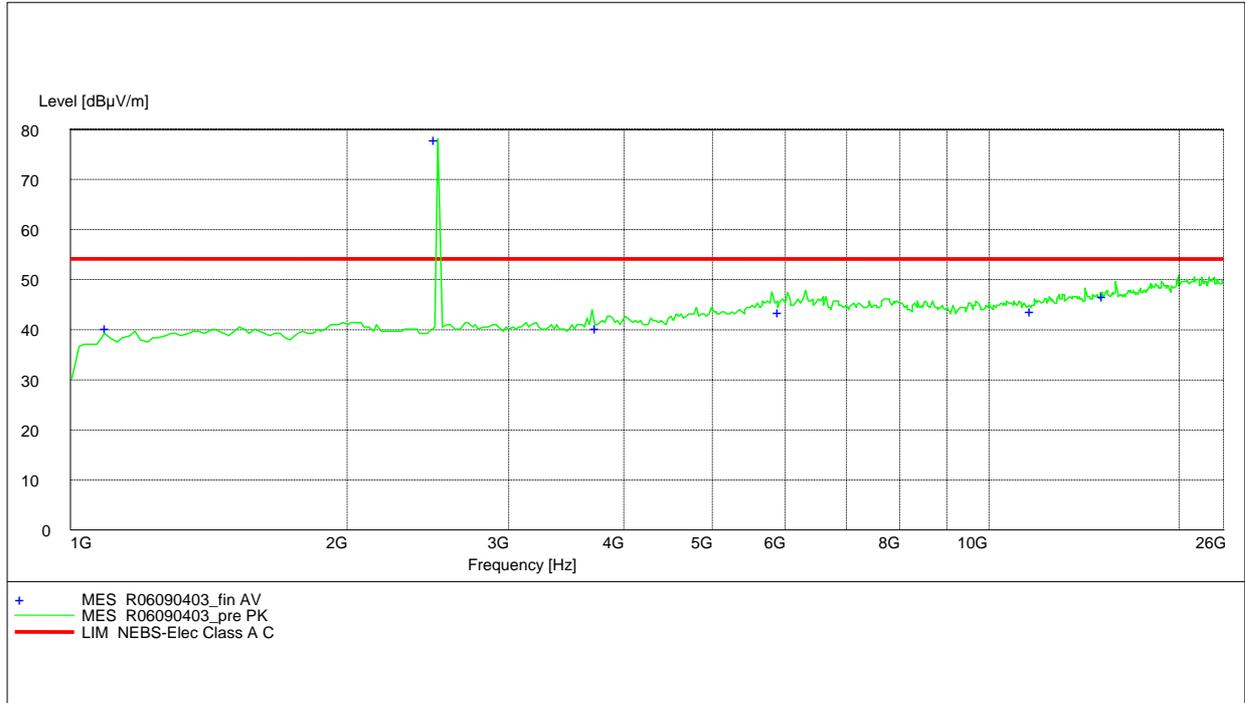
According to FCC Part 15.247 d & 15.205 & 15.209

# Channel 0 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
50.000000	34.10	-14.4	40.0	5.9.0	104.0	78.00	VERTICAL
55.640000	29.00	-15.3	40.0	11.0	100.0	176.00	VERTICAL
118.040000	25.80	-9.6	43.5	17.7	100.0	295.00	VERTICAL
219.520000	32.80	-11.6	46.0	13.2	139.0	285.00	HORIZONTAL
549.120000	23.00	-1.7	46.0	23.0	100.0	239.00	HORIZONTAL
948.420000	27.20	1.9	46.0	18.8	181.0	305.00	VERTICAL

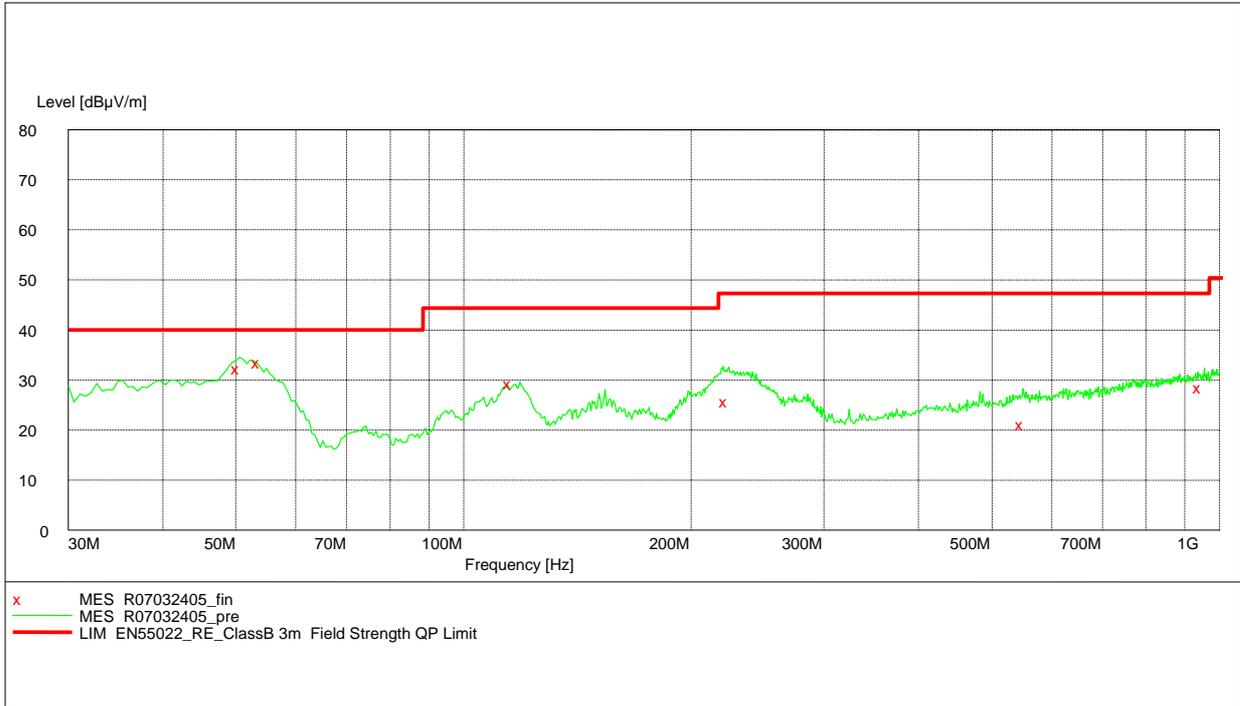
# 1GHz to 26GHz



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

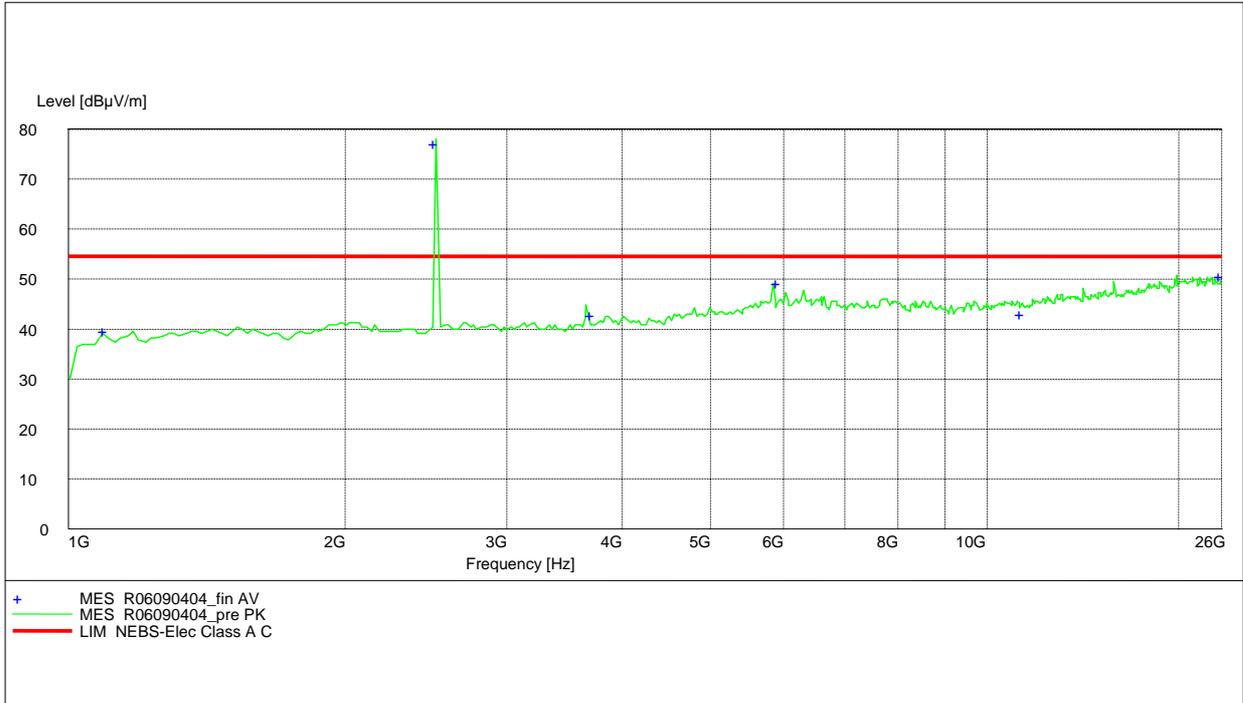
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
1100.000000	40.20	-6.5	54.0	13.8	106.0	305.00	HORIZONTAL
2402.000000	79.80	2.0	54.0	-25.8	106.0	12.00	VERTICAL
3750.000000	40.50	7.0	54.0	13.5	100.0	0.00	VERTICAL
5925.500000	44.10	12.7	54.0	9.9	200.0	354.00	HORIZONTAL
12921.000000	43.20	31.6	54.0	10.8	100.0	156.00	HORIZONTAL
15430.000000	47.80	38.0	54.0	6.2	357.0	305.00	VERTICAL

# Channel 40 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
49.690000	33.20	-13.1	40	6.8	100.0	90.00	VERTICAL
53.780000	34.00	-14.9	40	6	204.0	225.00	HORIZONTAL
110.320000	29.30	-10.0	43.5	14.2	405.0	342.00	HORIZONTAL
220.120000	25.70	-11.5	46	20.3	121.0	110.00	HORIZONTAL
545.610000	21.20	-1.8	46	24.8	210.0	5.00	VERTICAL
912.320000	28.50	1.5	46	17.5	155.0	56.00	VERTICAL

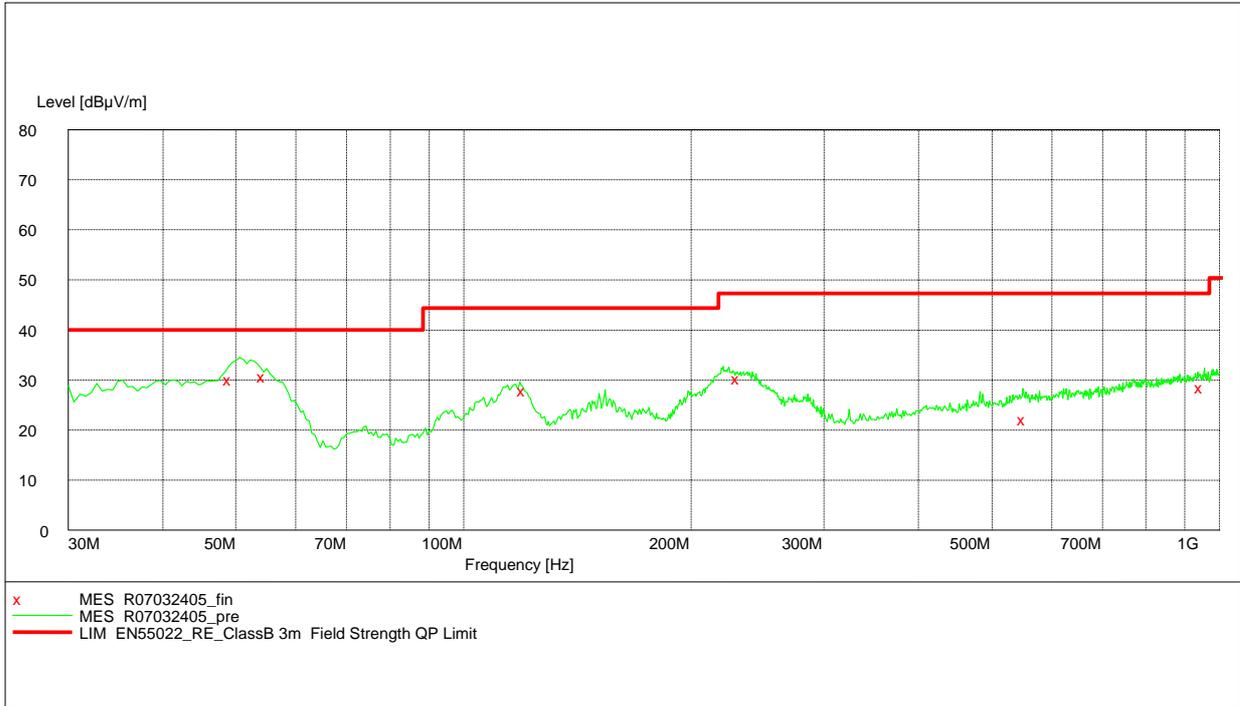
# 1GHz to 26GHz



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

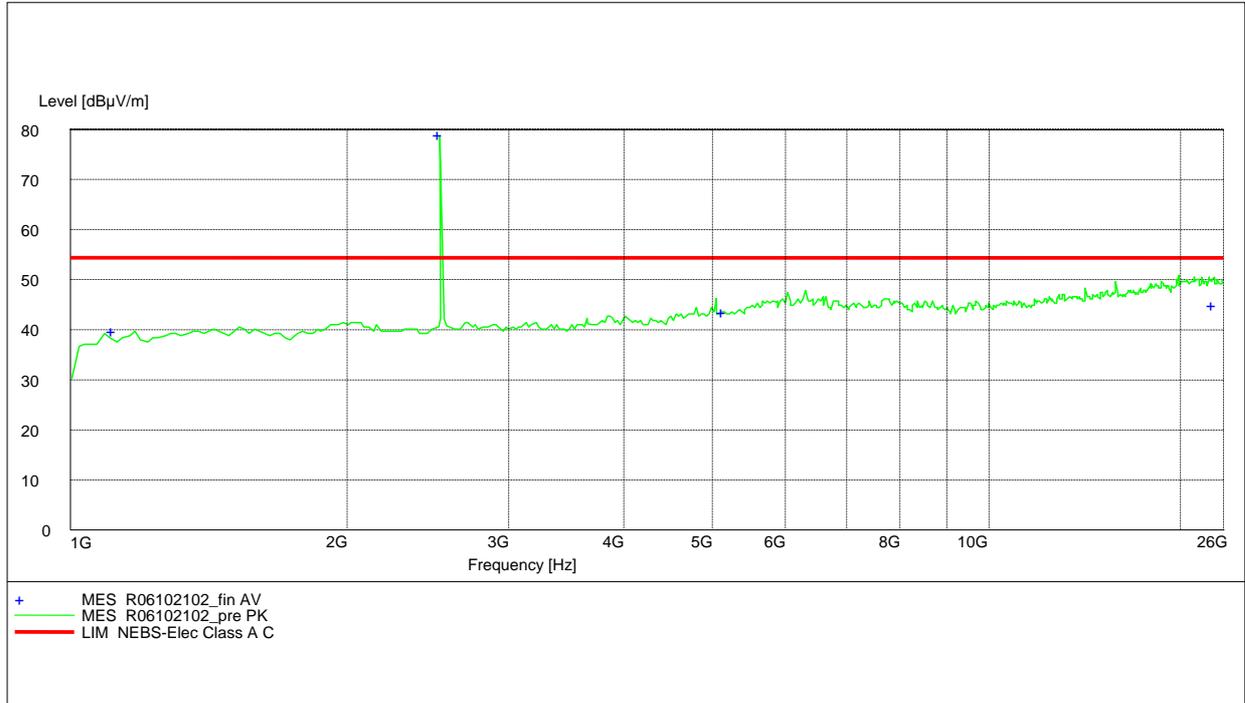
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
1100.000000	39.80	-6.5	54.0	14.2	220.0	340.00	HORIZONTAL
2442.000000	77.90	2.1	54.0	-23.9	106.0	286.00	VERTICAL
3750.000000	42.00	7.0	54.0	12.0	100.0	4.00	VERTICAL
5925.500000	49.90	12.7	54.0	4.1	112.0	26.00	VERTICAL
12924.500000	43.10	31.6	54.0	10.9	340.0	286.00	HORIZONTAL
25998.000000	50.90	52.1	54.0	3.1	400.0	115.00	VERTICAL

## Channel 78 30MHz to 1GHz



Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
48.230000	30.50	-12.9	9.5	40	103.0	88.00	VERTICAL
54.280000	31.10	-15.1	8.9	40	185.0	245.00	HORIZONTAL
108.150000	28.60	-9.6	14.9	43.5	407.0	302.00	HORIZONTAL
232.420000	30.70	-8.5	15.3	46	133.0	101.00	HORIZONTAL
548.610000	22.60	-1.8	23.4	46	211.0	9.00	VERTICAL
926.780000	28.10	1.4	17.9	46	113.0	53.00	VERTICAL

# 1GHz to 26GHz



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

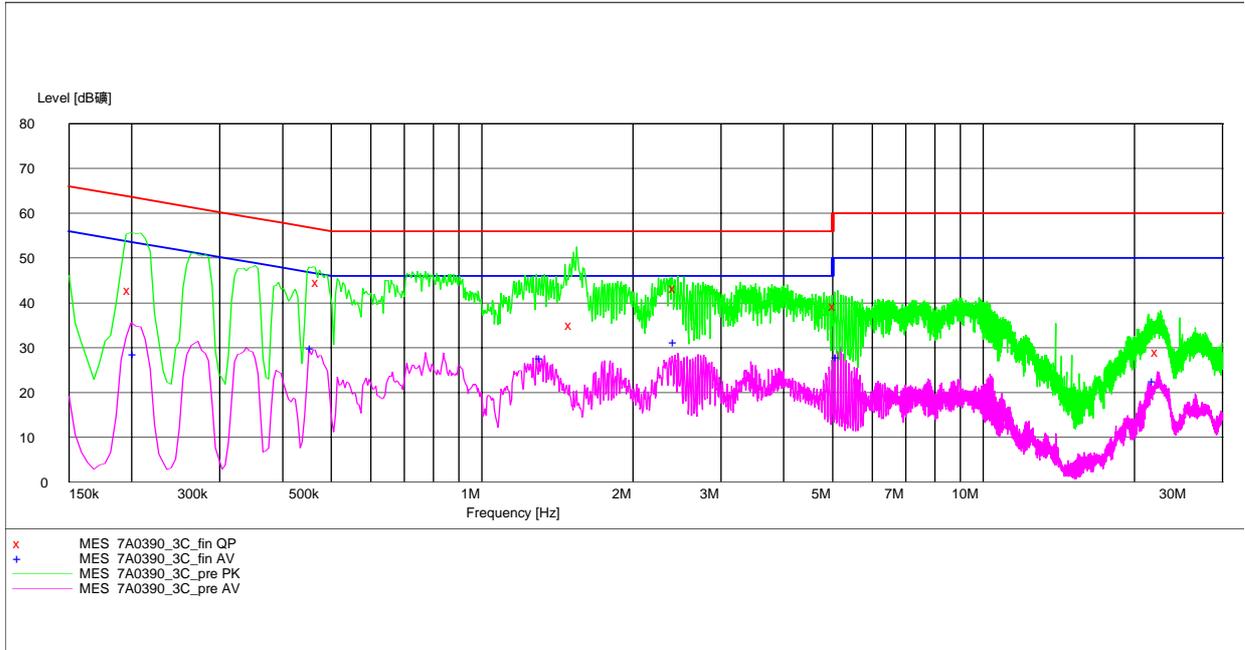
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
1100.000000	39.50	-6.5	54.0	14.5	170.0	250.00	VERTICAL
2480.000000	79.50	2.3	54.0	-25.5	86.0	256.00	VERTICAL
5087.500000	43.60	12.1	54.0	10.4	172.0	266.00	VERTICAL
22248.500000	45.00	48.8	54.0	9.0	100.0	203.00	VERTICAL

# Appendix I

## Conducted Emission at Power Port

According to FCC Part 15.207

# Channel 40



MEASUREMENT RESULT: "7A0390\_3C\_fin QP"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.199500	42.90	10.5	64	20.7	QP	N	FLO
0.474000	44.70	10.0	56	11.7	QP	L3	FLO
1.513500	35.00	9.9	56	21.0	QP	N	FLO
2.440500	43.40	10.1	56	12.6	QP	L3	FLO
5.086500	39.30	10.1	60	20.7	QP	L3	FLO
22.384500	29.10	15.0	60	30.9	QP	L3	FLO

MEASUREMENT RESULT: "7A0390\_3C\_fin AV"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.204000	28.50	10.5	53	24.9	AV	N	FLO
0.460500	29.90	10.0	47	16.8	AV	L3	FLO
1.320000	27.60	10.0	46	18.4	AV	L3	FLO
2.440500	31.30	10.1	46	14.7	AV	L3	FLO
5.149500	27.90	10.1	50	22.1	AV	L3	FLO
22.029000	22.50	14.7	50	27.5	AV	L3	FLO