Anhang zum Prüfbericht / ANNEX to *Test Report*

Nr. / *No* TR-33368-03325-03 (Edition 2)

Applicant:	Häfele GmbH & Co. KG
Type of equipment:	
Type designation:	BLEBox
Order No.:	
Test standards:	BLE interface

Note:

The test data of this report is related only to the individual item which has been tested. This report shall not be reproduced except in full extent without the written approval of the testing laboratory.

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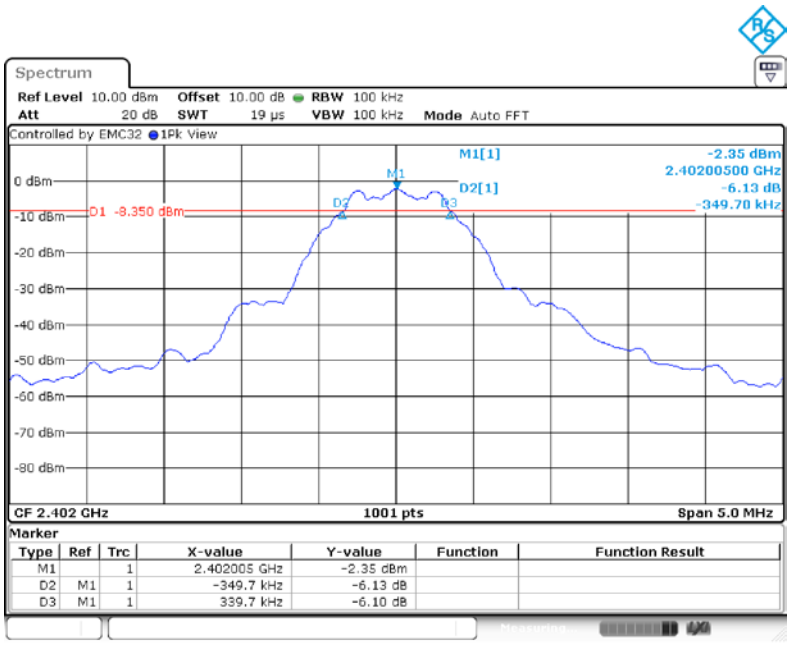
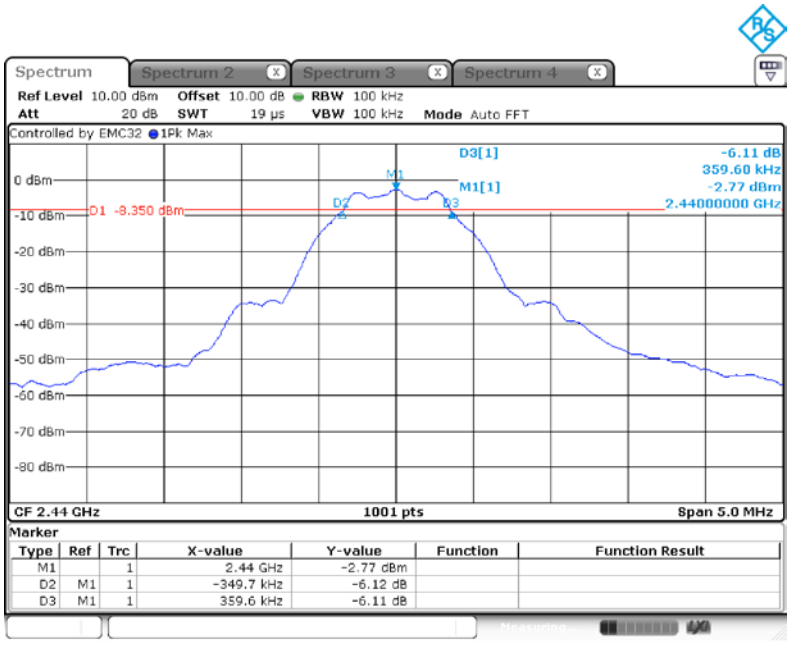
1 Plots for 6 dB / DTS bandwidth

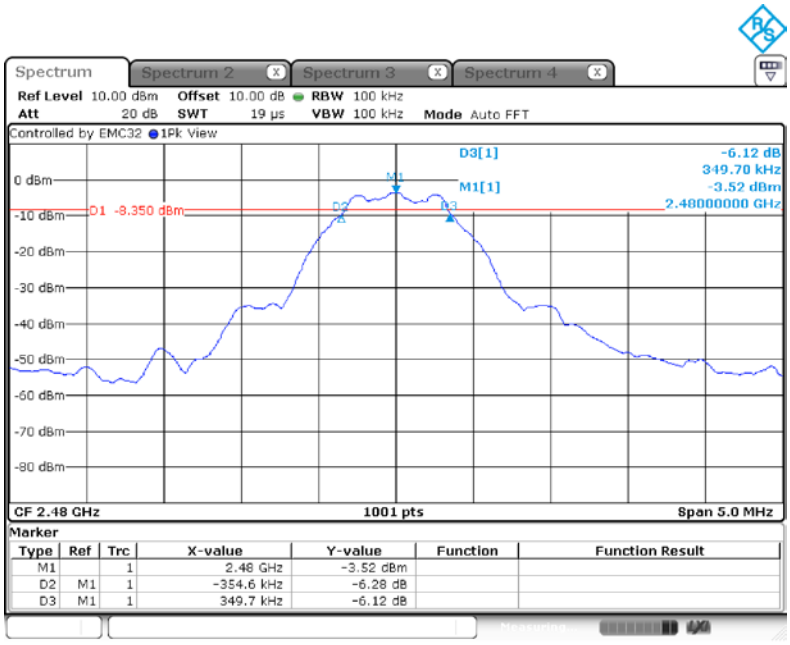
1.1 Test plots for Bluetooth Low Energy (BLE)



Date: 20.JUL.2017 14:52:25

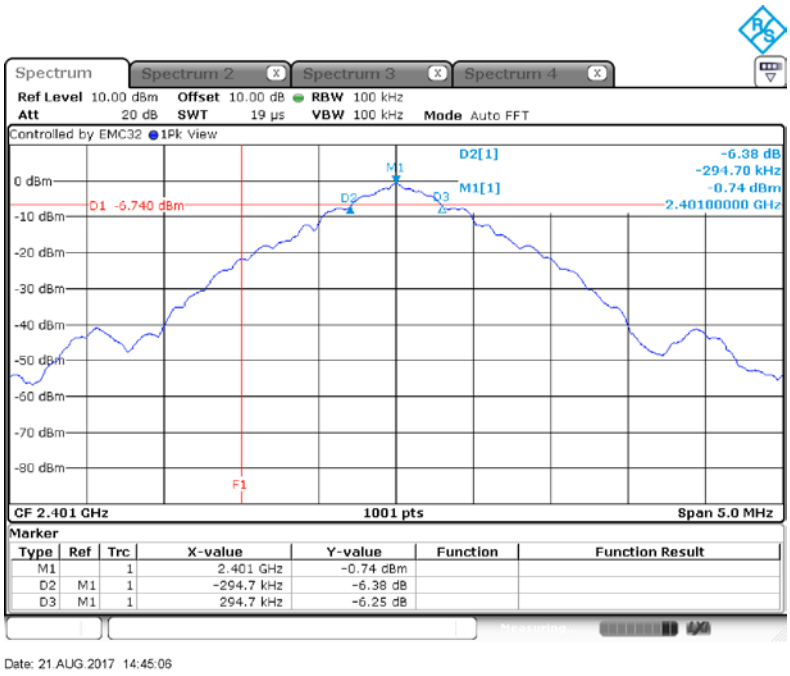


Date: 20.JUL.2017 16:09:50

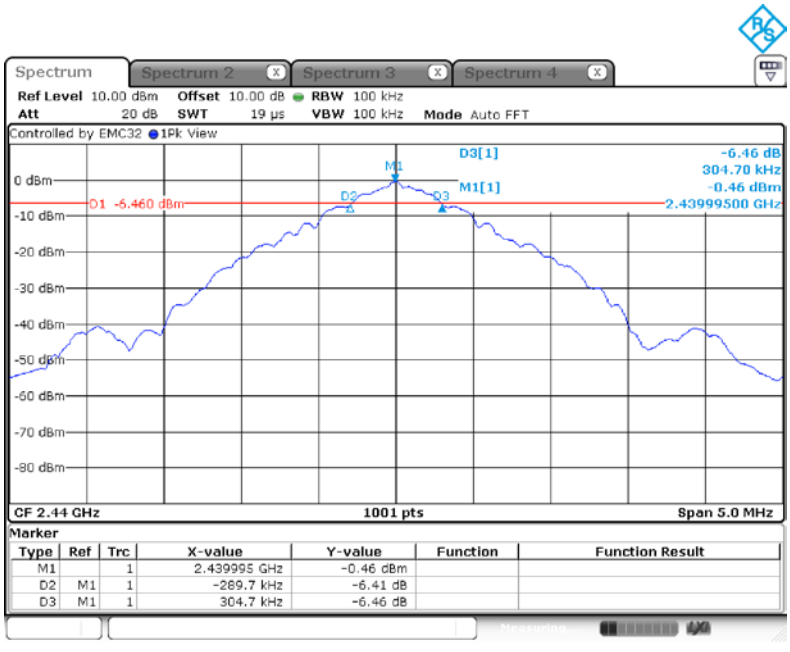


Date: 20.JUL.2017 16:20:37

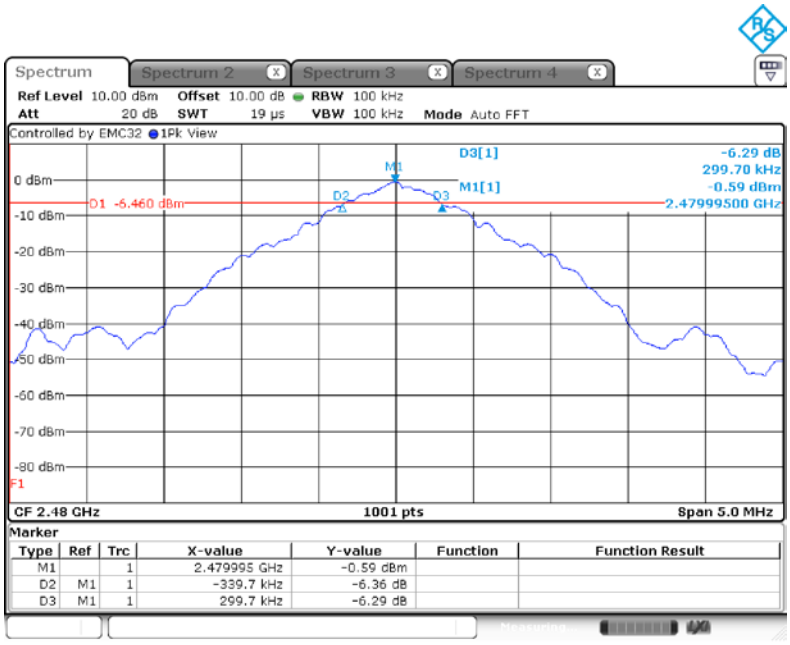
1.2 Test plots for Propritary radio



Date: 21.AUG.2017 14:45:06



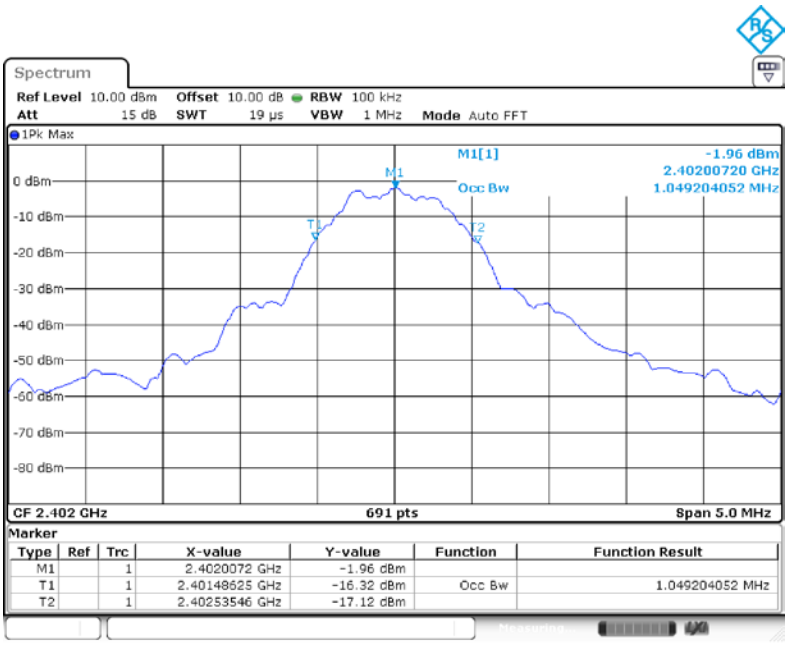
Date: 21.AUG.2017 14:46:27



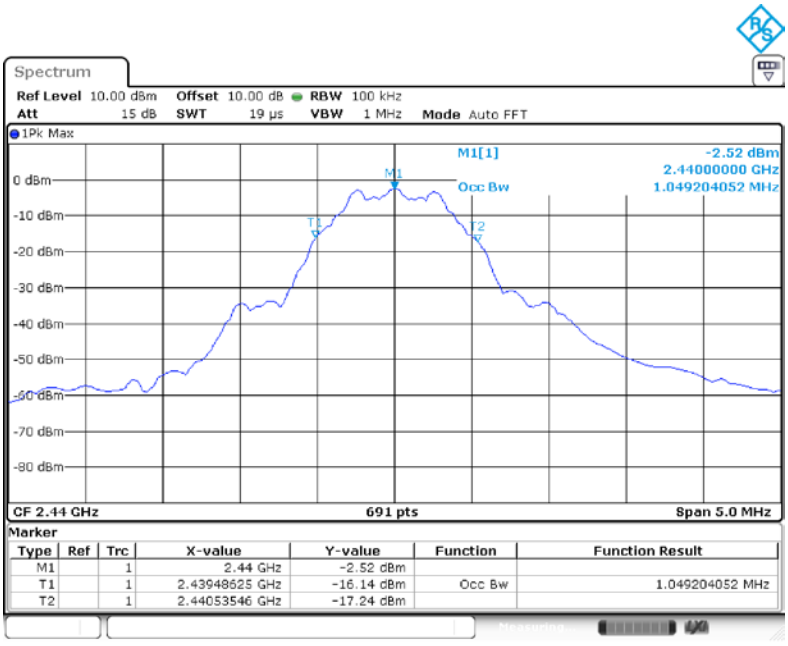
Date: 21.AUG.2017 14:47:39

2 Plots for Occupied Bandwidth (99 %)

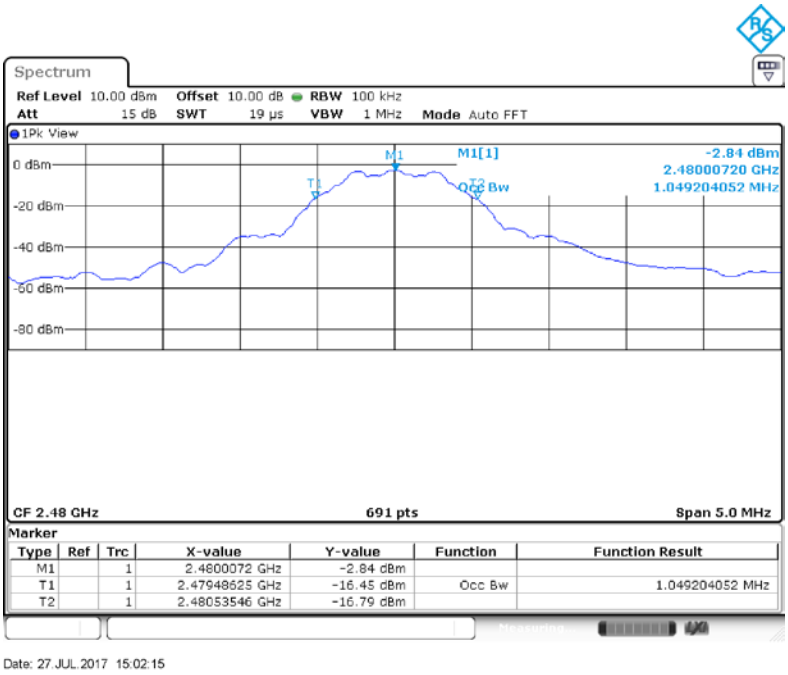
2.1 Test plots for Bluetooth Low Energy (BLE)



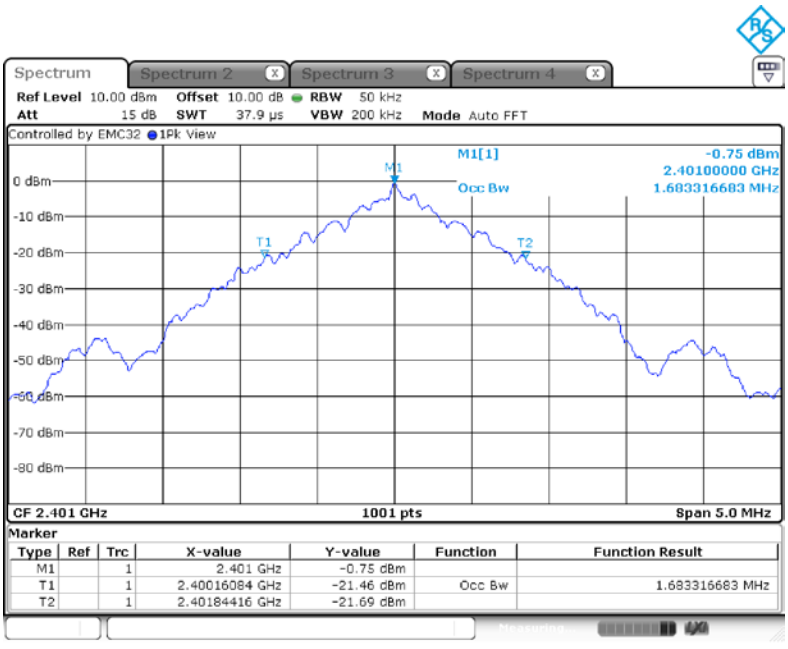
Date: 27.JUL.2017 15:05:07



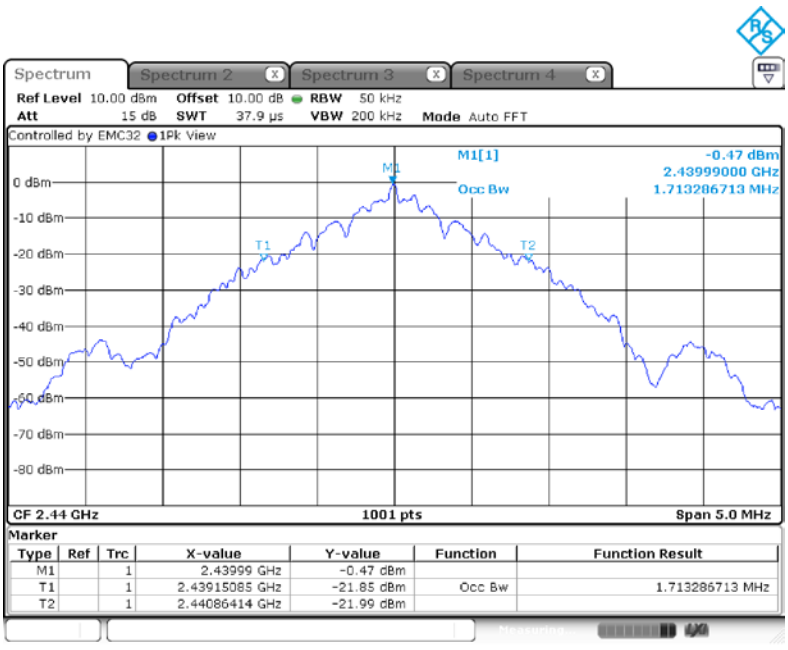
Date: 27.JUL.2017 15:04:27


Spectrum
Ref Level 10.00 dBm Offset 10.00 dB RBW 100 kHz
Att 15 dB SWT 19 µs VBW 1 MHz Mode Auto FFT
1Pk View
M1[1]
-2.84 dBm
2.48000720 GHz
Occ Bw
1.049204052 MHz
0 dBm
-20 dBm
-40 dBm
-60 dBm
-80 dBm
CF 2.48 GHz
691 pts
Span 5.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.4800072 GHz -2.84 dBm
T1 1 2.47948625 GHz -16.45 dBm Occ Bw 1.049204052 MHz
T2 1 2.48053546 GHz -16.79 dBm
Date: 27.JUL.2017 15:02:15

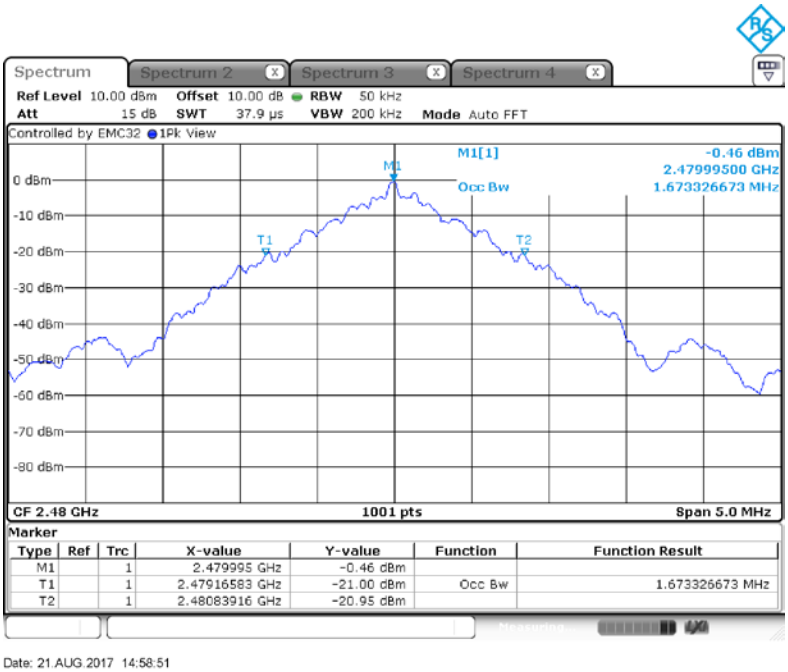
2.2 Test plots for Propritary radio



Date: 21.AUG.2017 15:00:24



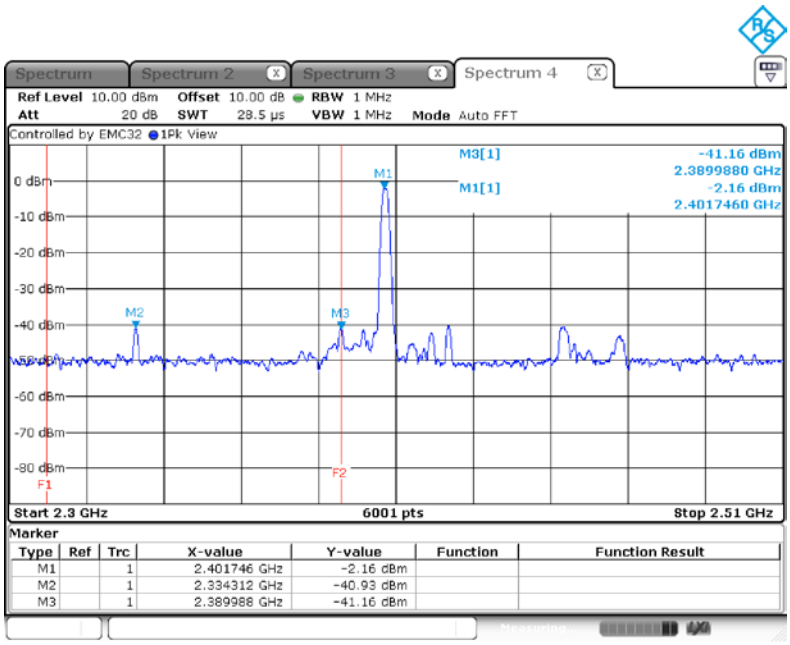
Date: 21.AUG.2017 14:59:43


Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm
Offset 10.00 dB
RBW 50 kHz
Att 15 dB
SWT 37.9 µs
VBW 200 kHz
Mode Auto FFT
Controlled by EMC32
1Pk View
M1[1]
-0.46 dBm
2.47999500 GHz
1.673326673 MHz
Occ Bw
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
M1
T1
T2
CF 2.48 GHz
1001 pts
Span 5.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.479995 GHz -0.46 dBm
T1 1 2.47916583 GHz -21.00 dBm Occ Bw 1.673326673 MHz
T2 1 2.48083916 GHz -20.95 dBm
Date: 21.AUG.2017 14:58:51

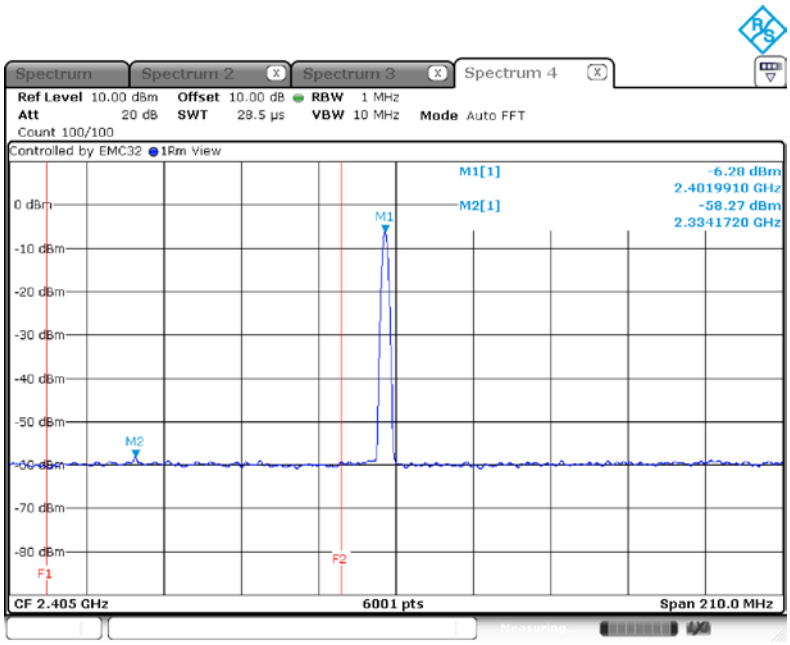
3 Plots for Restricted Bands of Operation Requirement

3.1 Test plots for Bluetooth Low Energy (BLE)

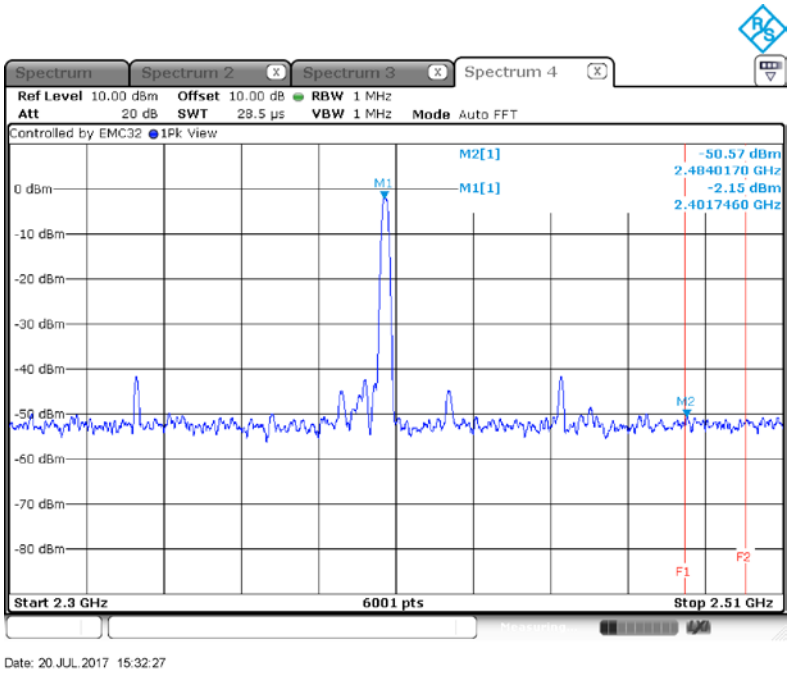
3.1.1 Lowest Channel



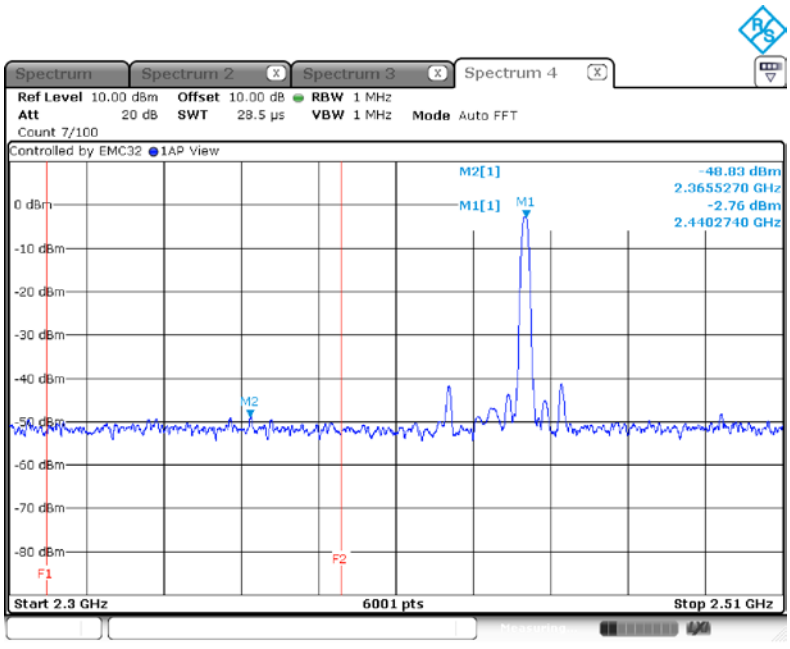
Date: 20.JUL.2017 15:31:20



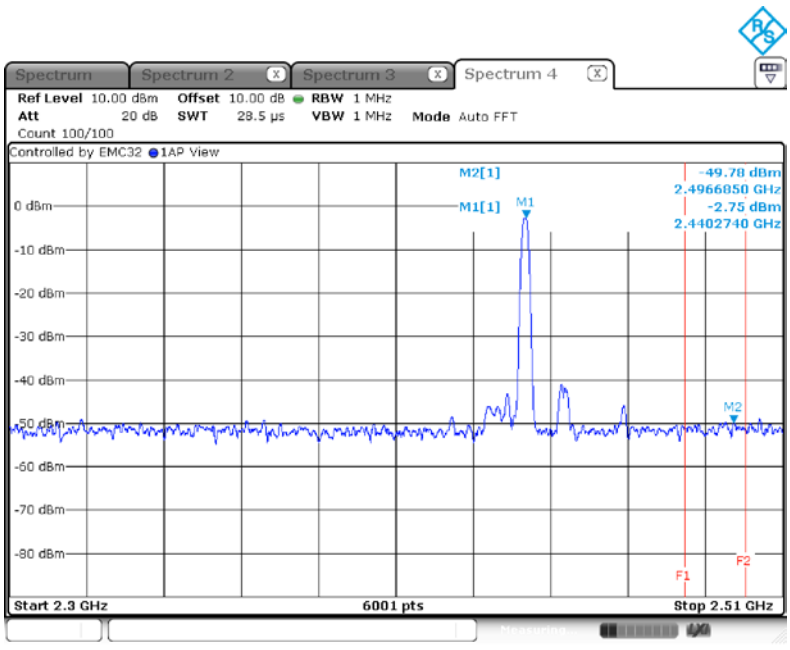
Date: 20.JUL.2017 15:37:27


Spectrum
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 10.00 dBm
Offset 10.00 dB
RBW 1 MHz
Att 20 dB
SWT 28.5 µs
VBW 1 MHz
Mode Auto FFT
Controlled by EMC32
1Pk View
M2[1]
-50.57 dBm
2.4840170 GHz
M1[1]
-2.15 dBm
2.4017460 GHz
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
M1
M2
F1
F2
Start 2.3 GHz
6001 pts
Stop 2.51 GHz
Date: 20.JUL.2017 15:32:27

3.1.2 Middle Channel

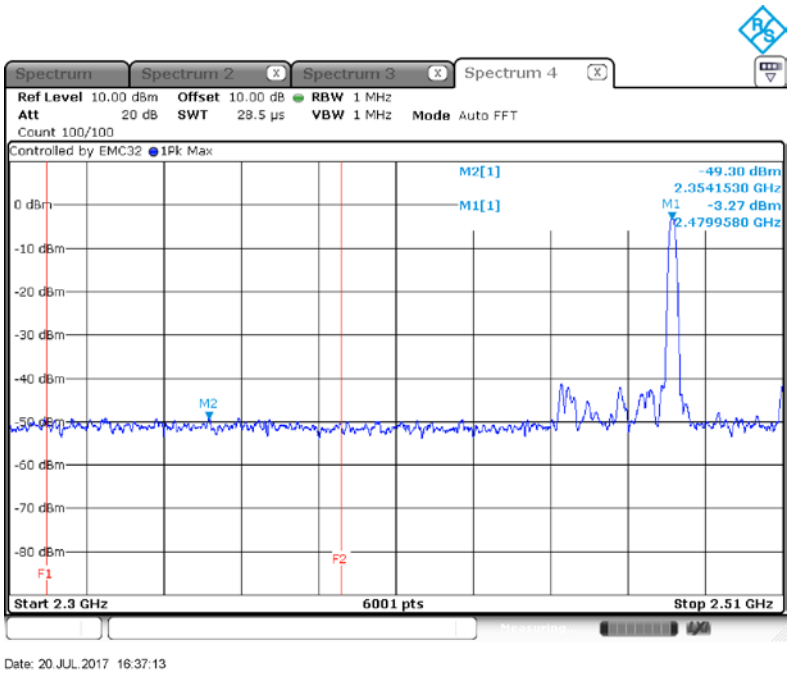


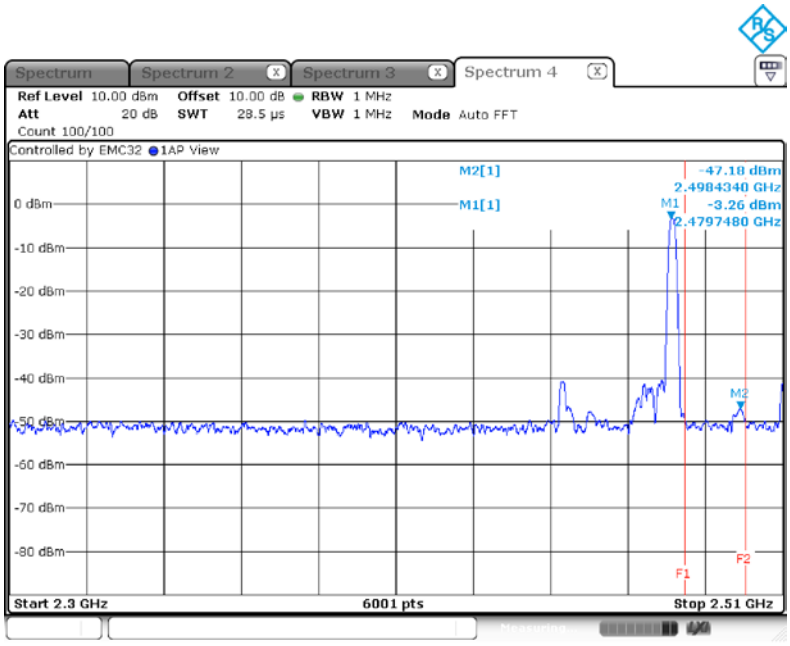
Date: 20.JUL.2017 16:17:17



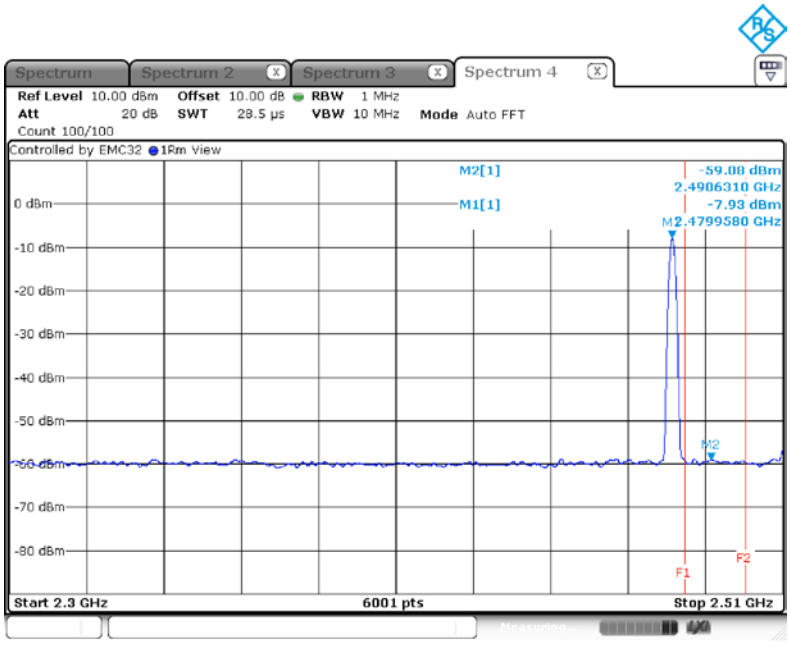
Date: 20.JUL.2017 16:18:36

3.1.3 Highest Channel





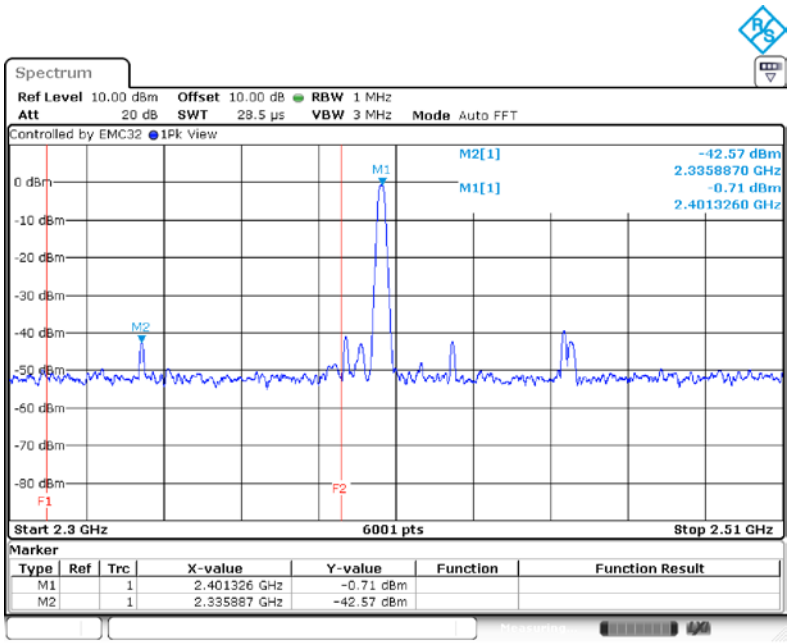
Date: 20.JUL.2017 16:32:25



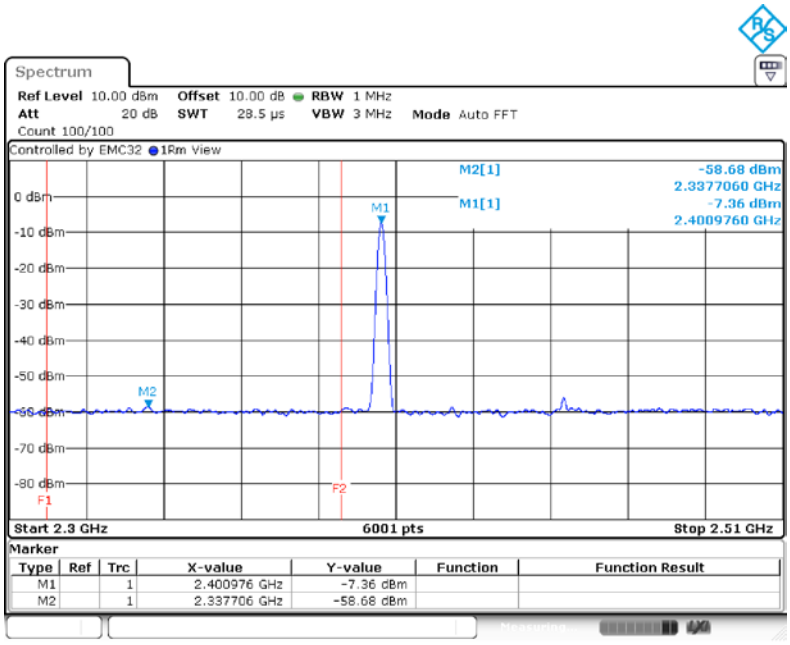
Date: 20.JUL.2017 16:36:20

3.2 Test plots for Propritary Radio

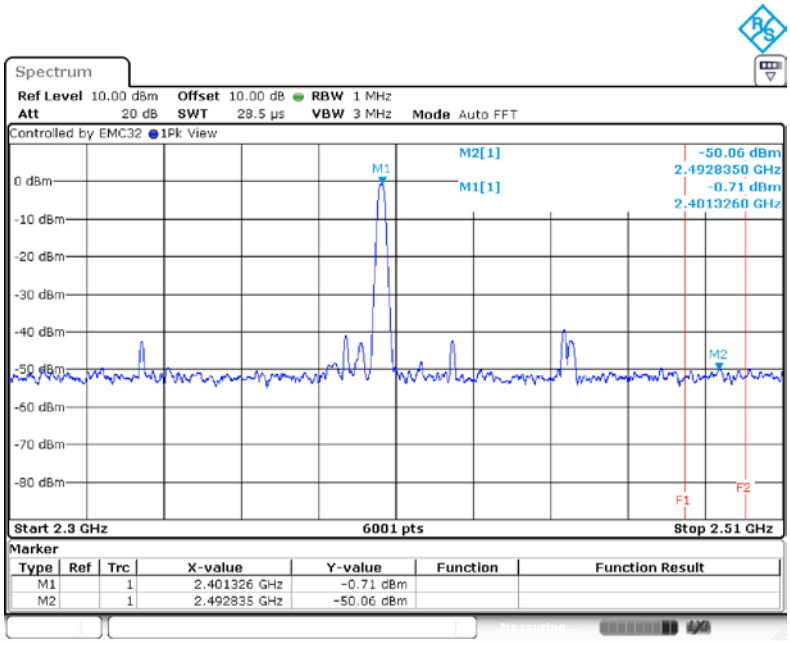
3.2.1 Lowest Channel



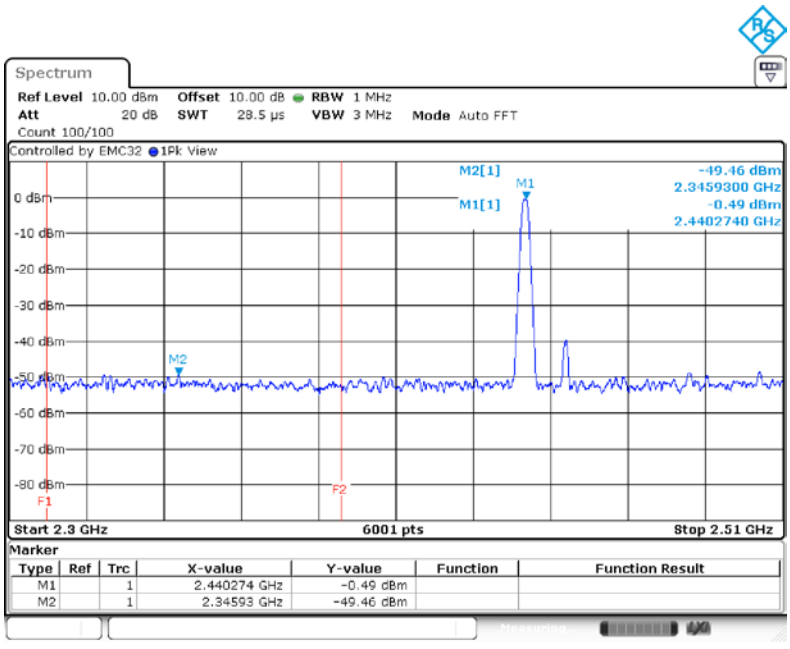
Date: 21.AUG.2017 15:27:16



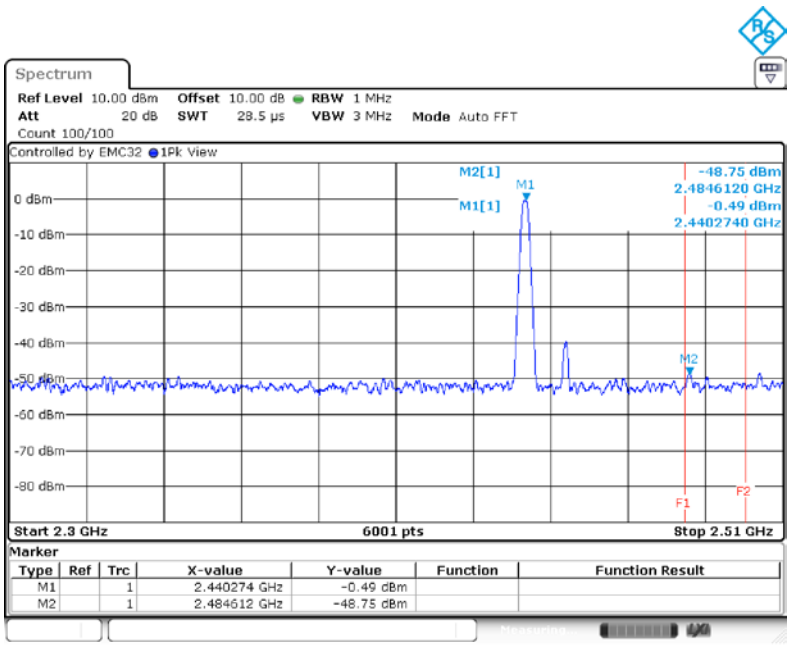
Date: 21.AUG.2017 15:31:30


Spectrum
Ref Level 10.00 dBm Offset 10.00 dB RBW 1 MHz
Att 20 dB SWT 28.5 µs VBW 3 MHz Mode Auto FFT
Controlled by EMC32 1Pk View
M2[1] -50.06 dBm
2.4928350 GHz
M1[1] -0.71 dBm
2.4013260 GHz
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
M1
M2
F1
F2
Start 2.3 GHz
6001 pts
Stop 2.51 GHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.401326 GHz -0.71 dBm
M2 1 2.492835 GHz -50.06 dBm
Date: 21.AUG.2017 15:28:29

3.2.2 Middle Channel

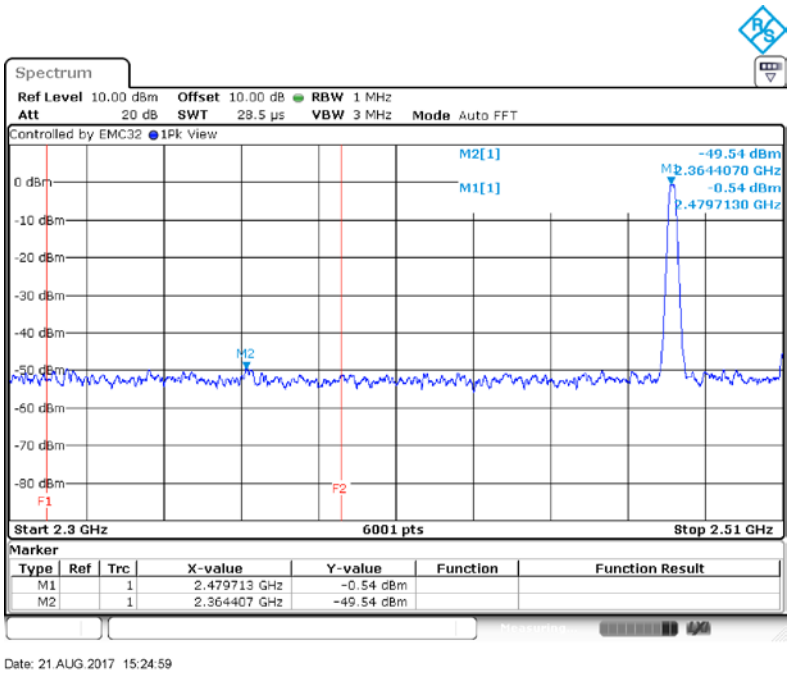


Date: 21.AUG.2017 15:33:03

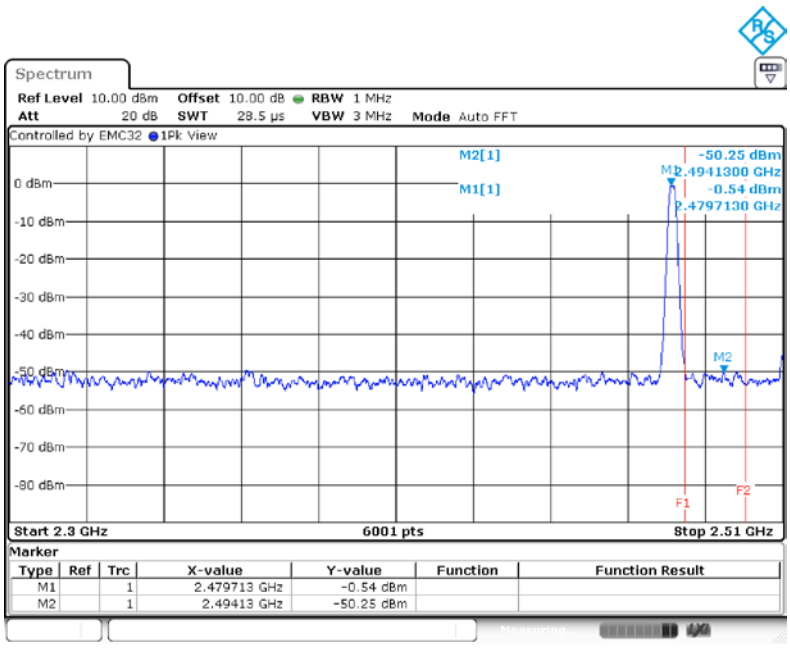


Date: 21.AUG.2017 15:33:56

3.2.3 Highest Channel



Date: 21.AUG.2017 15:24:59

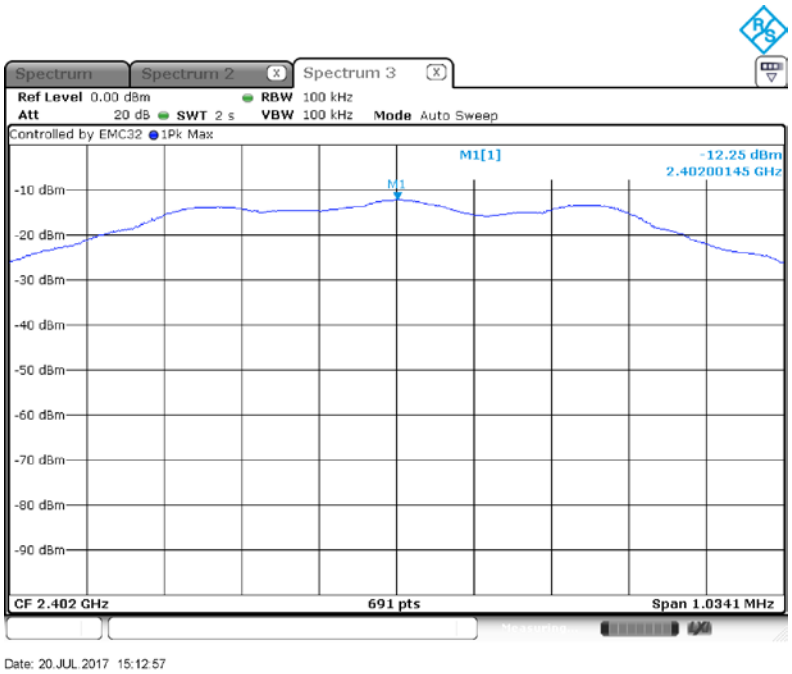


Date: 21.AUG.2017 15:26:04

4 Power Spectral Density

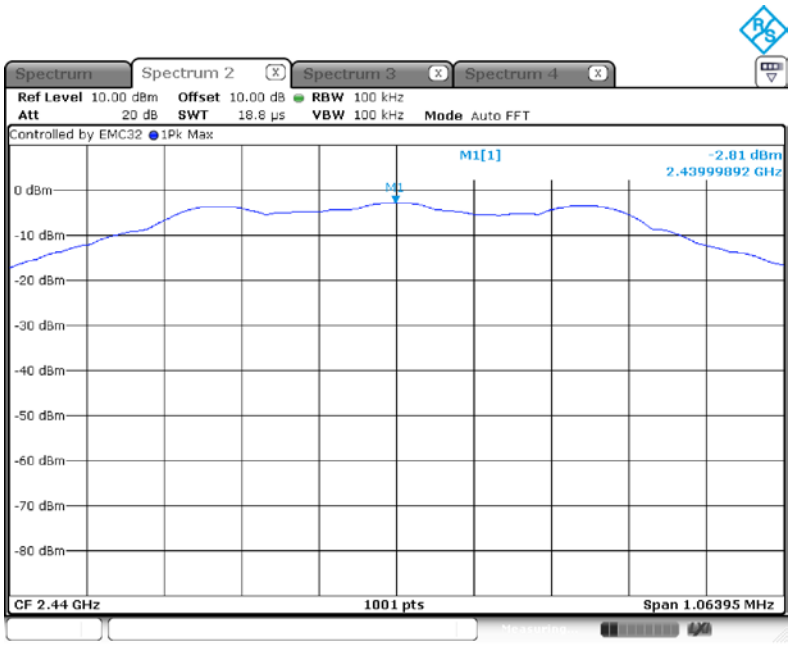
4.1 Test plots for Bluetooth Low Energy (BLE)

4.1.1 Lowest channel

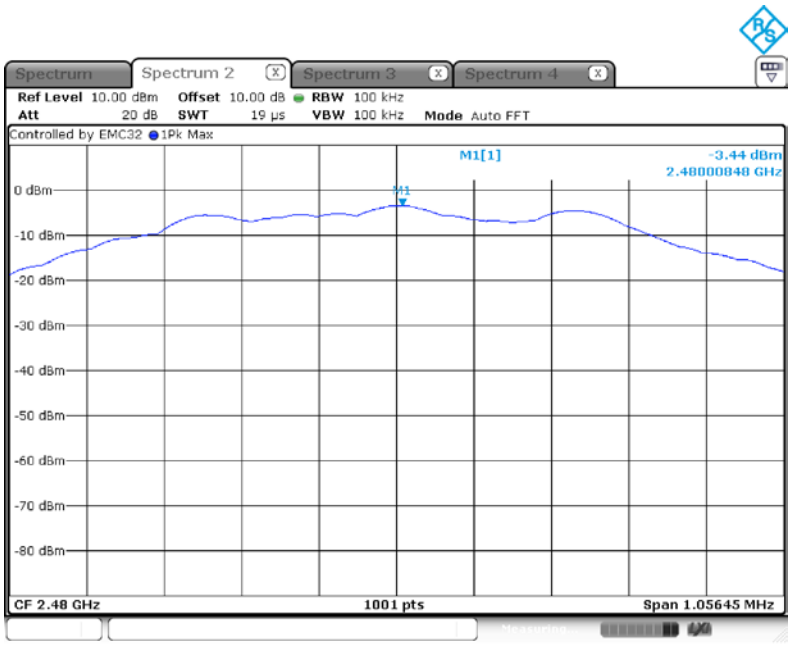


Note: Offset of 10 dB added to measurement value manually

4.1.2 Middle channel

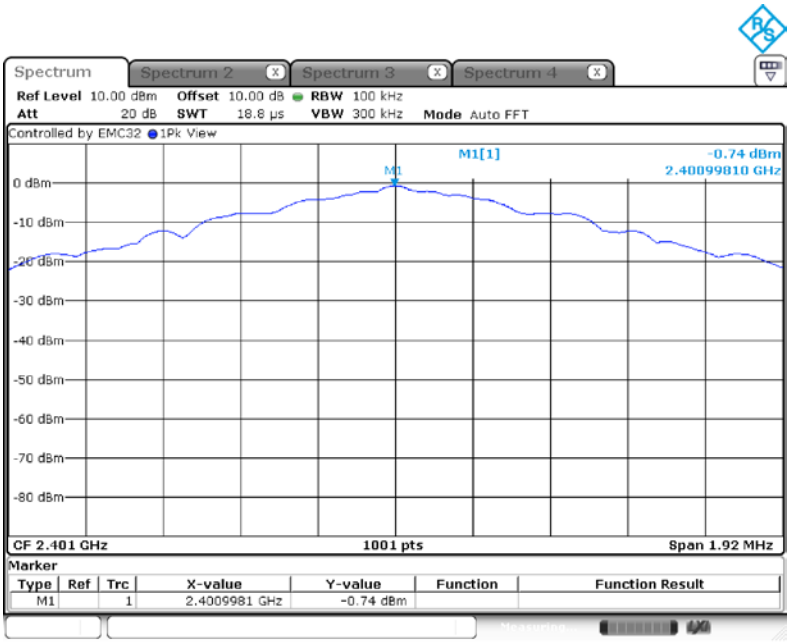


4.1.3 Highest channel



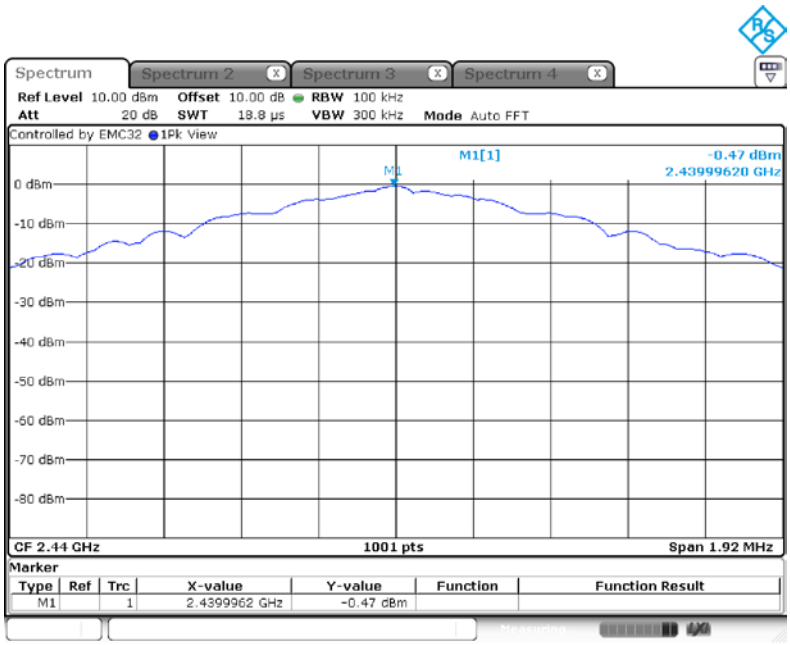
4.2 Test plots for Propritary radio

4.2.1 Lowest channel



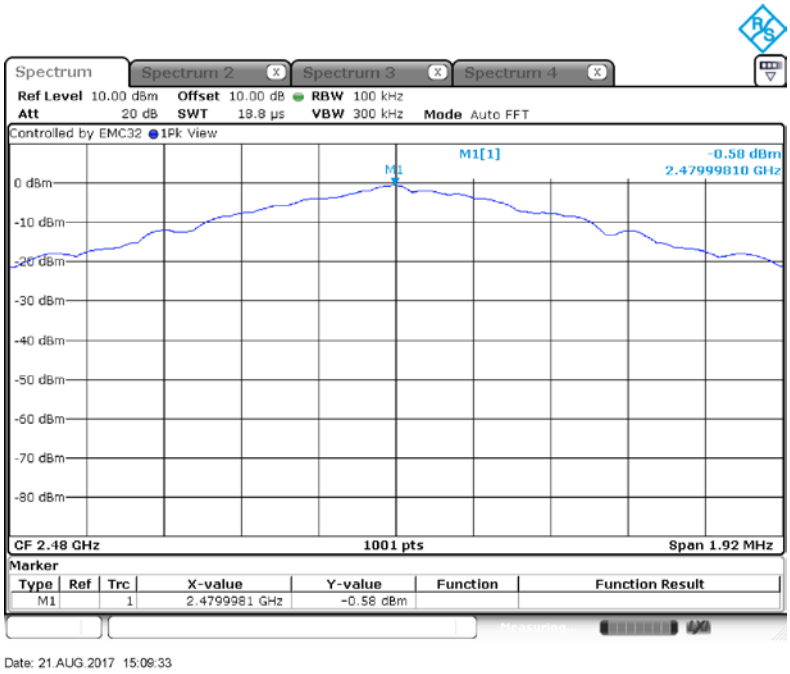
Date: 21.AUG.2017 15:12:46

4.2.2 Middle channel



Date: 21.AUG.2017 15:10:08

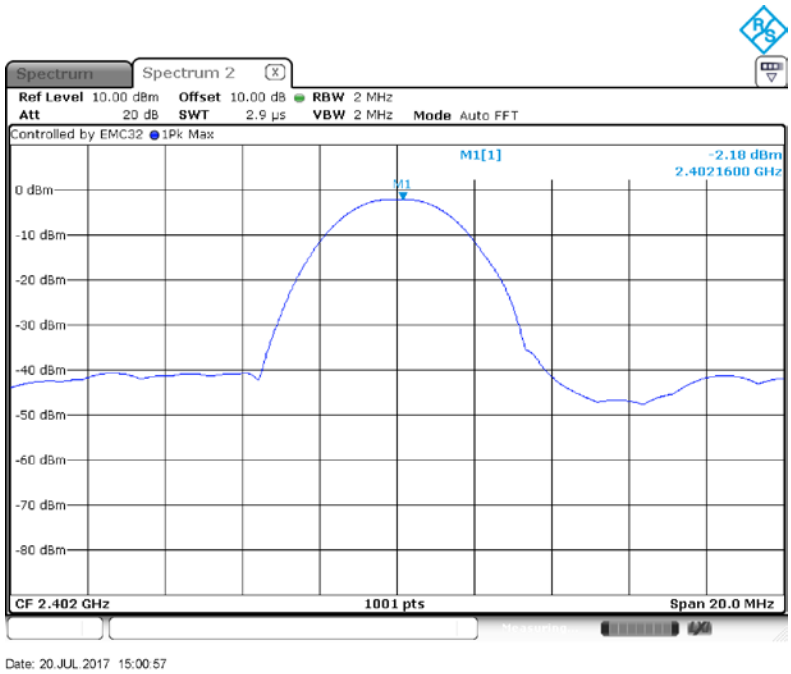
4.2.3 Highest channel



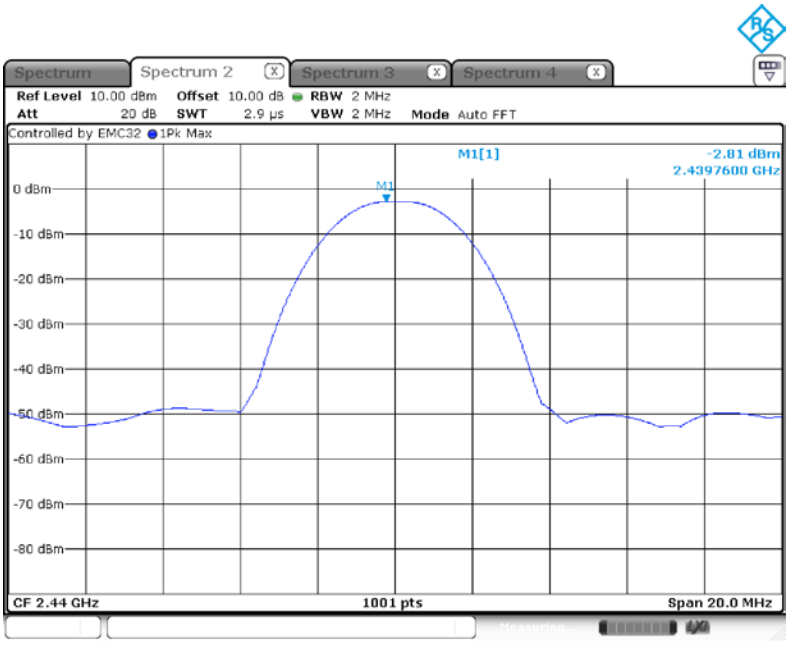
5 Maximum Output Power

5.1 Test plots for Bluetooth Low Energy (BLE)

5.1.1 Lowest Channel

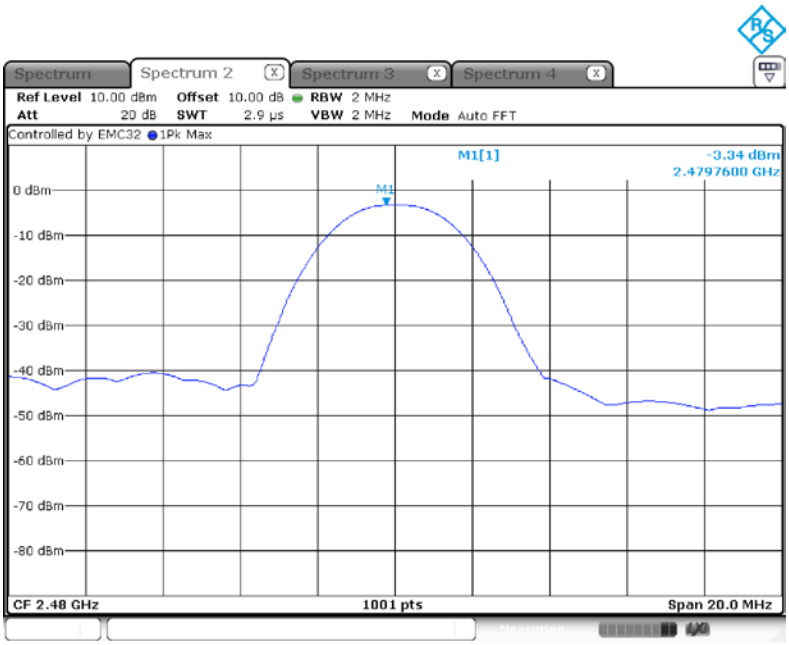


5.1.2 Middle Channel



Date: 20.JUL.2017 16:10:49

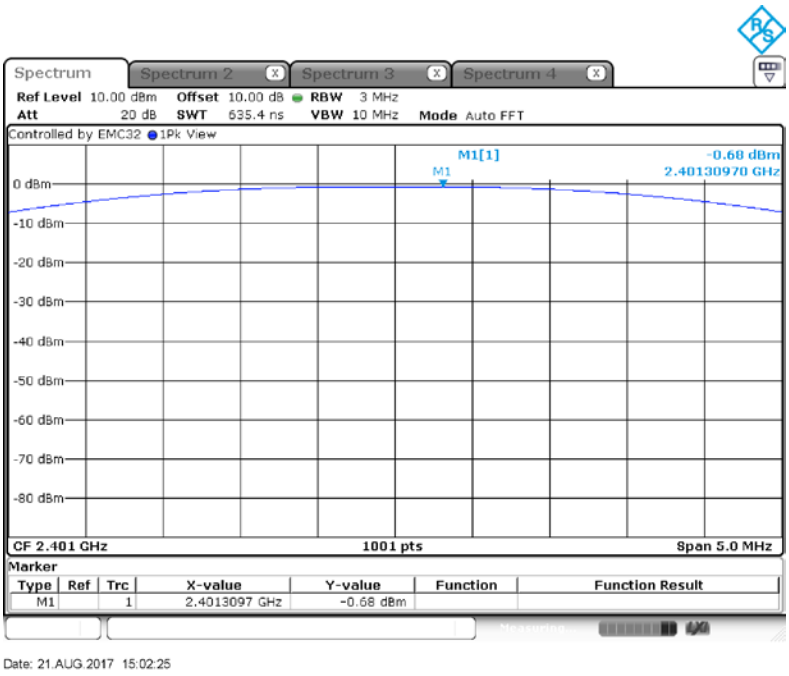
5.1.3 Highest Channel



Date: 20.JUL.2017 16:22:25

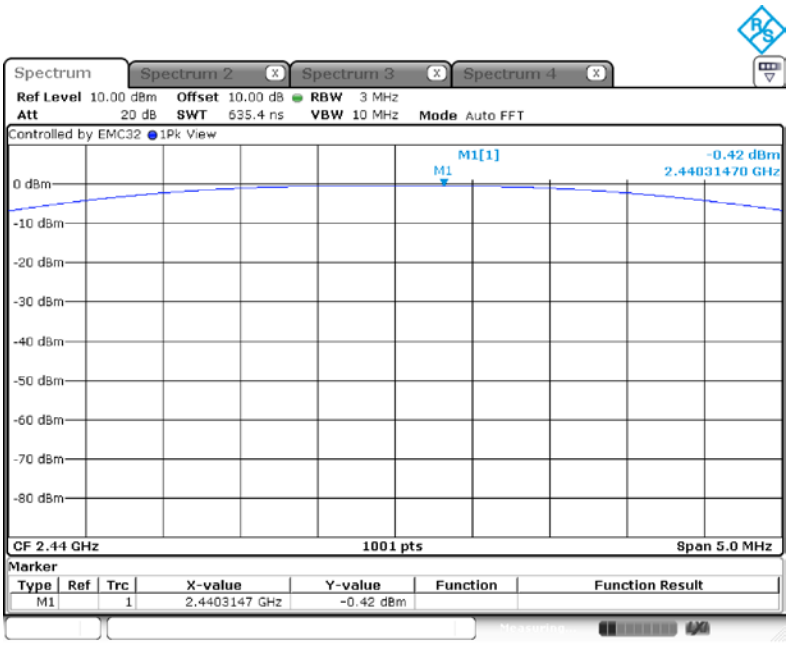
5.2 Test plots for Propritary Radio

5.2.1 Lowest Channel



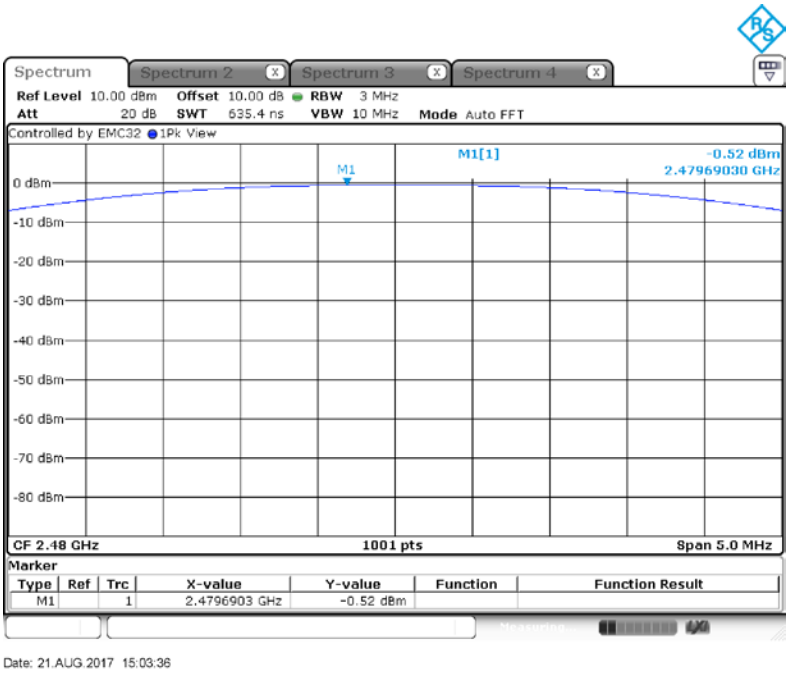
Date: 21.AUG.2017 15:02:25

5.2.2 Middle Channel



Date: 21.AUG.2017 15:03:07

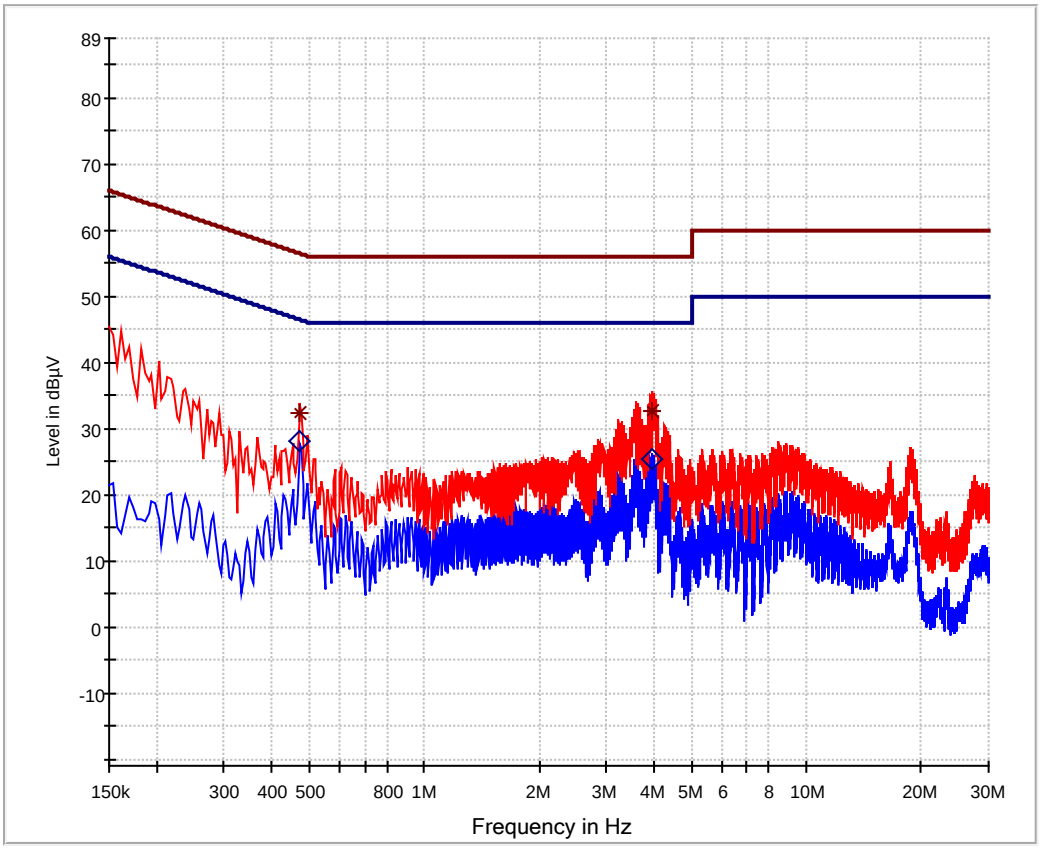
5.2.3 Highest Channel



6 Conducted Powerline Emissions 150 kHz – 30 MHz

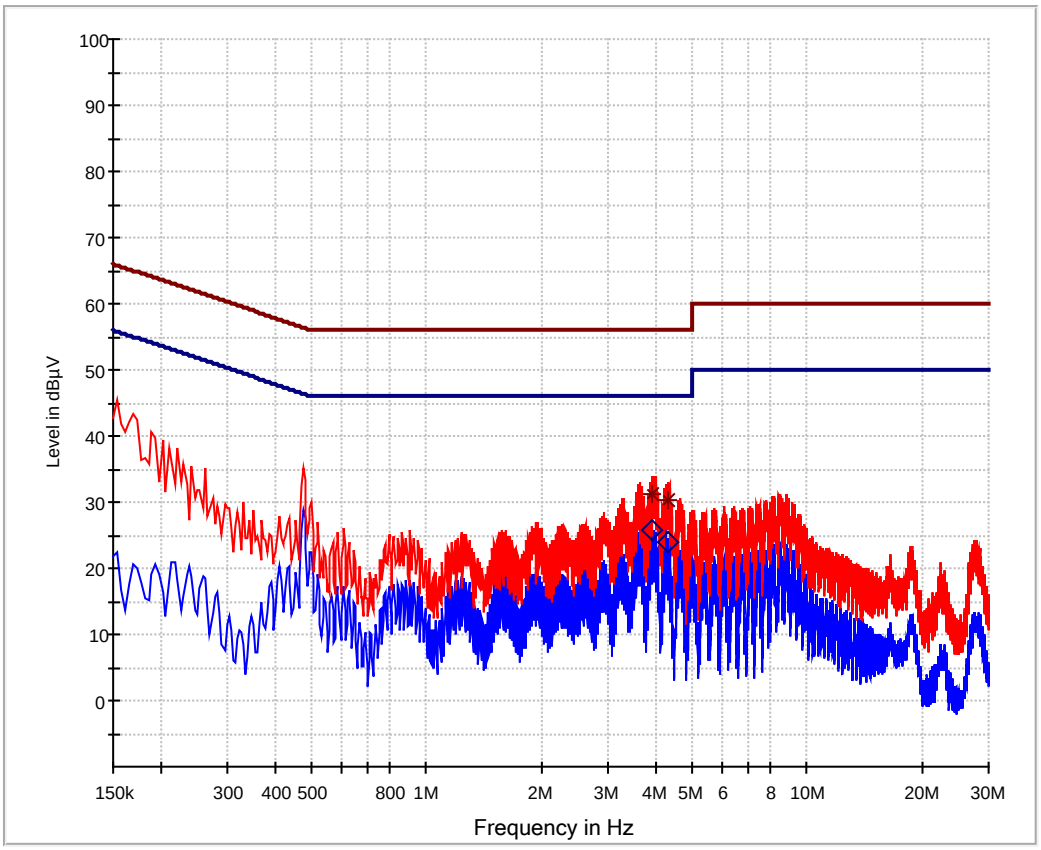
6.1 Test plots for 12 V power adapter

6.1.1.1 Phase L1



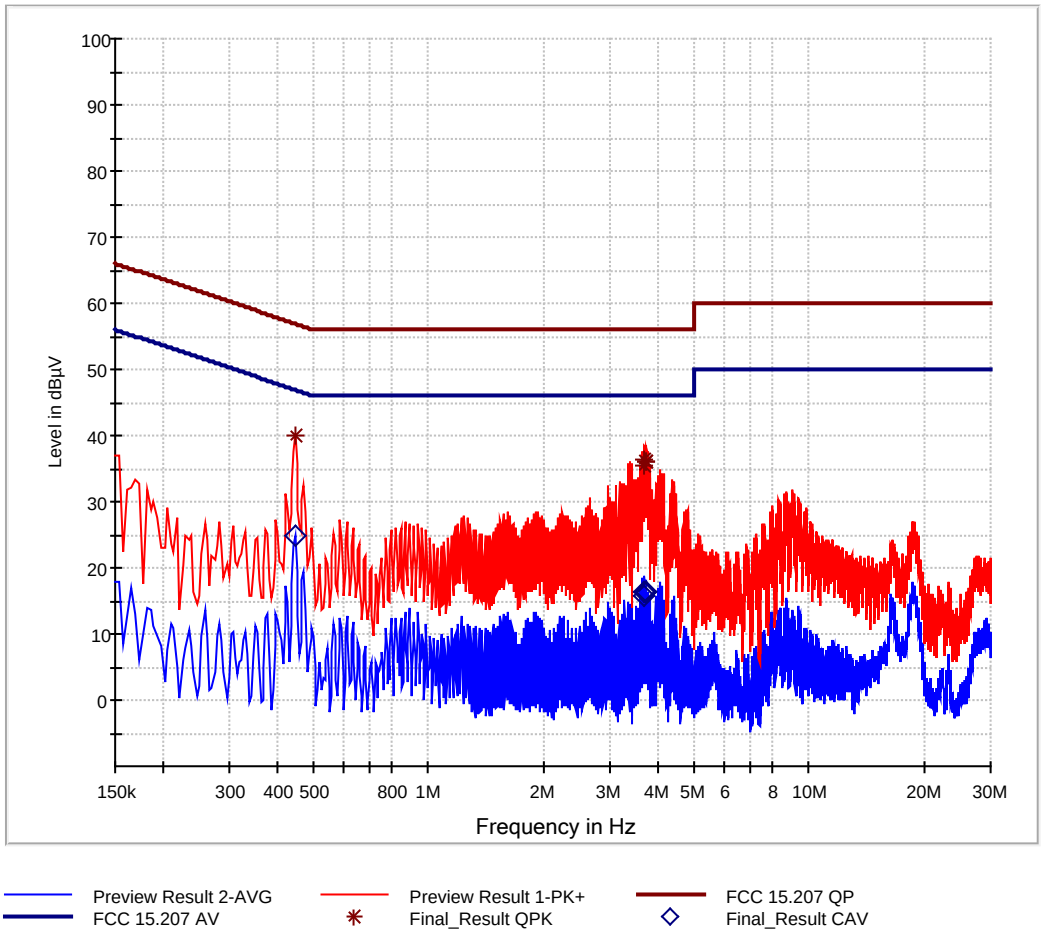
Preview Result 2-AVG
FCC 15.207 AV
Preview Result 1-PK+
Final_Result QPK
FCC 15.207 QP
Final_Result CAV

6.1.1.2 Phase N

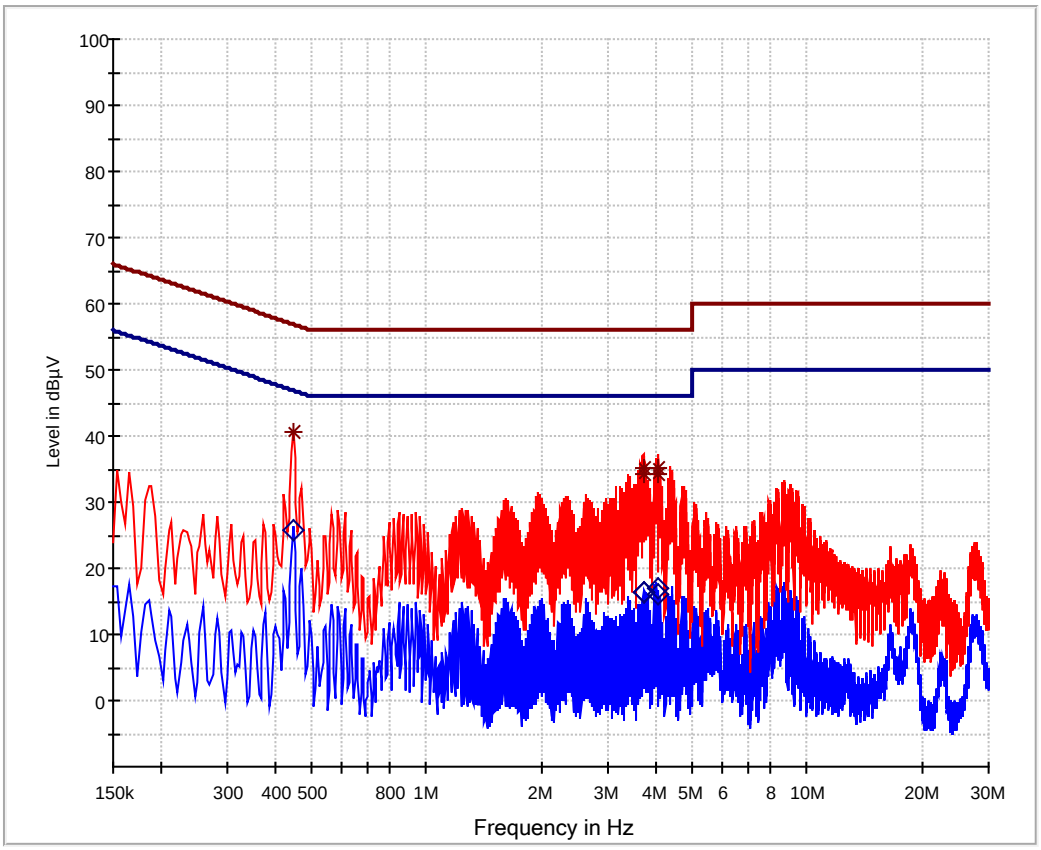

100
90
80
70
60
50
40
30
20
10
0
Level in dBµV
150k
300
400
500
800
1M
2M
3M
4M
5M
6
8
10M
20M
30M
Frequency in Hz
Preview Result 2-AVG
FCC 15.207 AV
Preview Result 1-PK+
Final_Result QPK
FCC 15.207 QP
Final_Result CAV

6.2 Test plots for 24 V power adapter

6.2.1.1 Phase L1



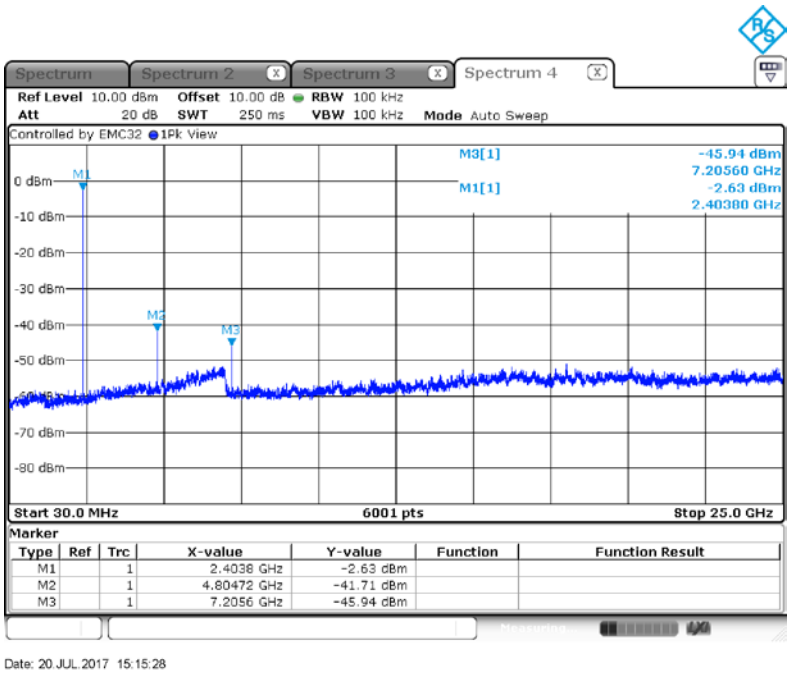
6.2.1.2 Phase N


100
90
80
70
60
50
40
30
20
10
0
Level in dBµV
150k
300
400
500
800
1M
2M
3M
4M
5M
6
8
10M
20M
30M
Frequency in Hz
Preview Result 2-AVG
FCC 15.207 AV
Preview Result 1-PK+
Final_Result QPK
FCC 15.207 QP
Final_Result CAV

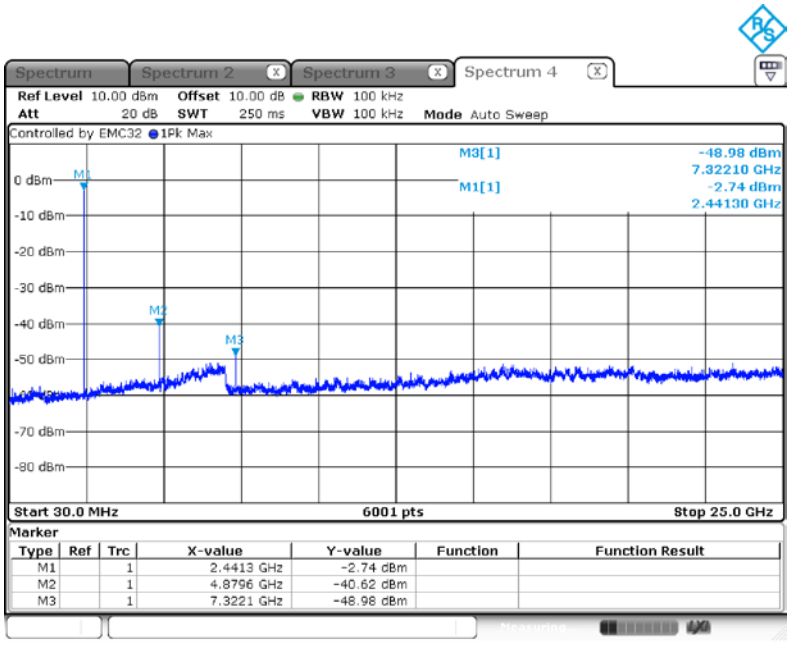
7 Plots for Conducted Emissions 30 MHz – 30 MHz

7.1 Test plots Bluetooth Low Energy (BLE)

7.1.1 Lowest Channel

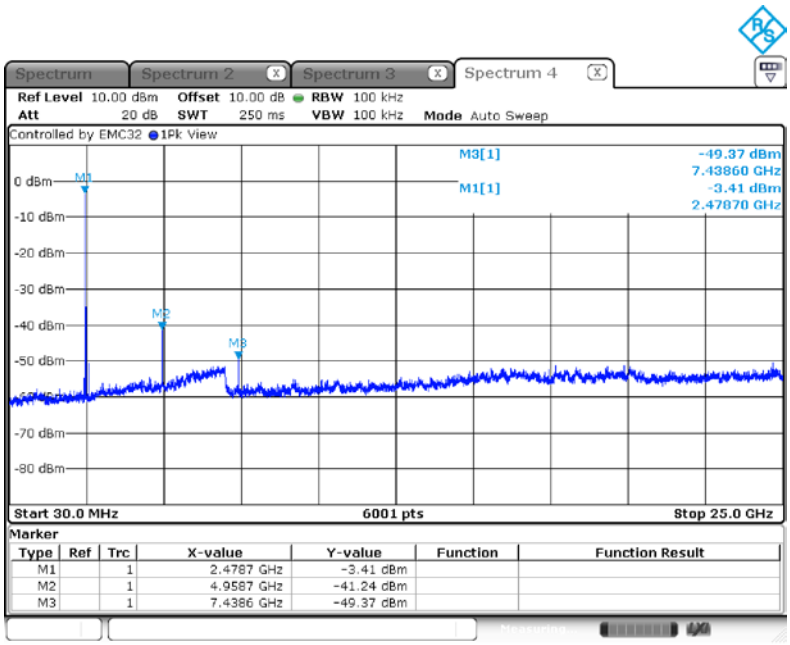


7.1.2 Middle Channel



Date: 20.JUL.2017 16:40:42

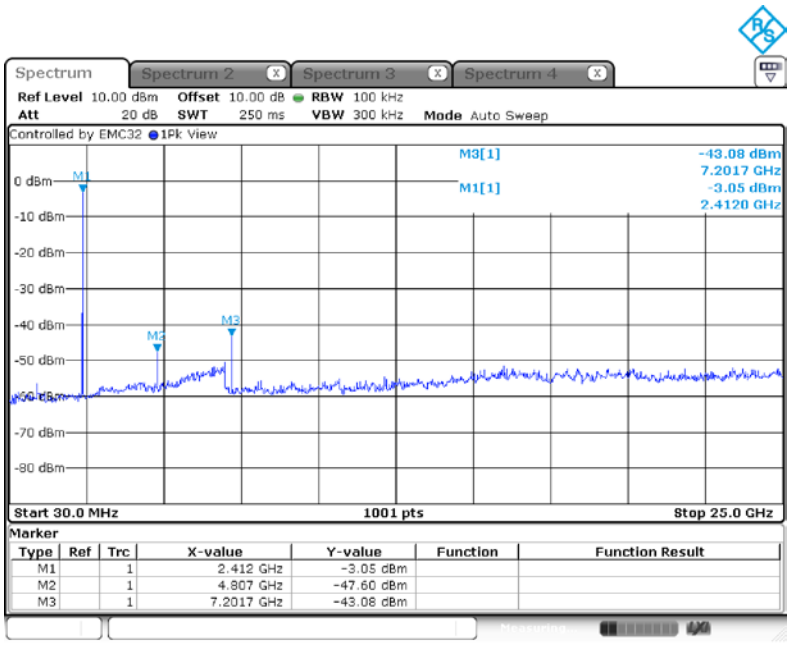
7.1.3 Highest Channel



Date: 20.JUL.2017 16:39:24

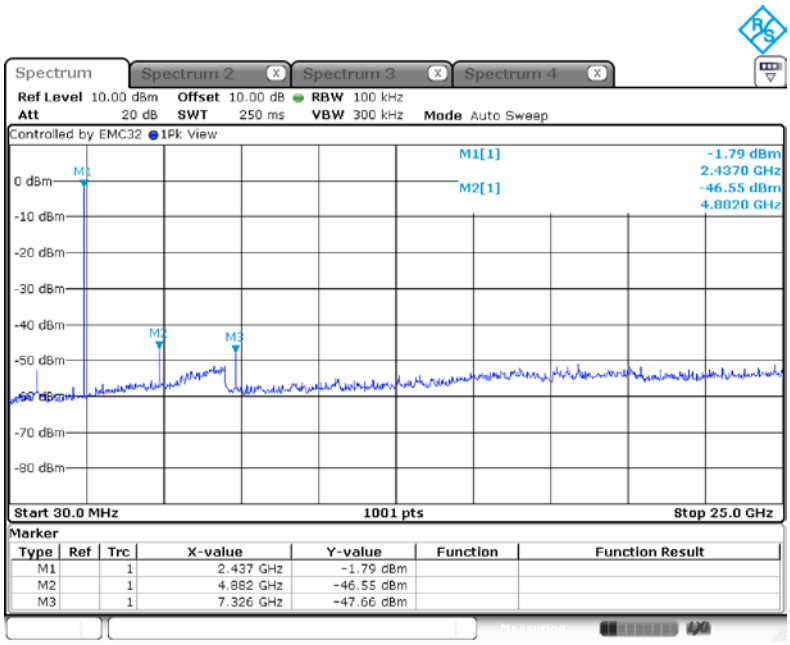
7.2 Test plots for Propriatary Radio

7.2.1 Lowest Channel



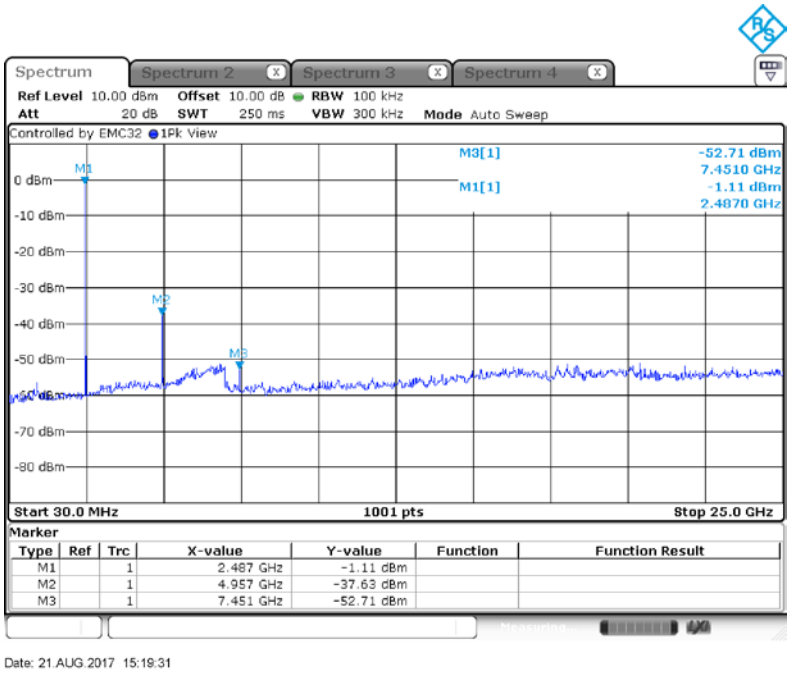
Date: 21.AUG.2017 15:17:30

7.2.2 Middle Channel



Date: 21.AUG.2017 15:18:48

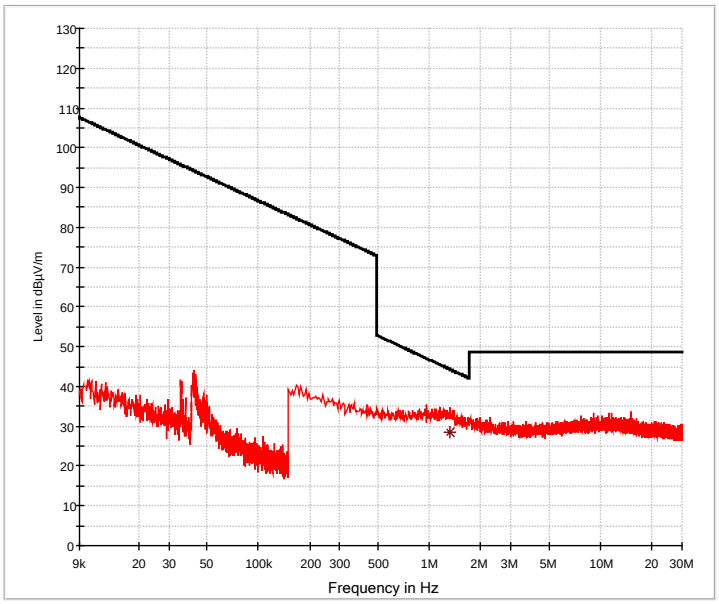
7.2.3 Highest Channel



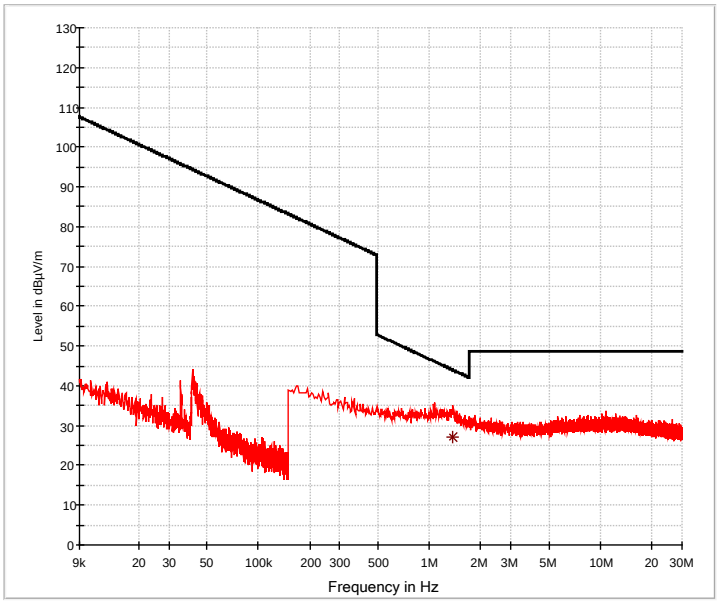
8 Plots for Radiated Emissions 9 kHz – 30 MHz

8.1 Test plots for Bluetooth Low Energy (BLE)

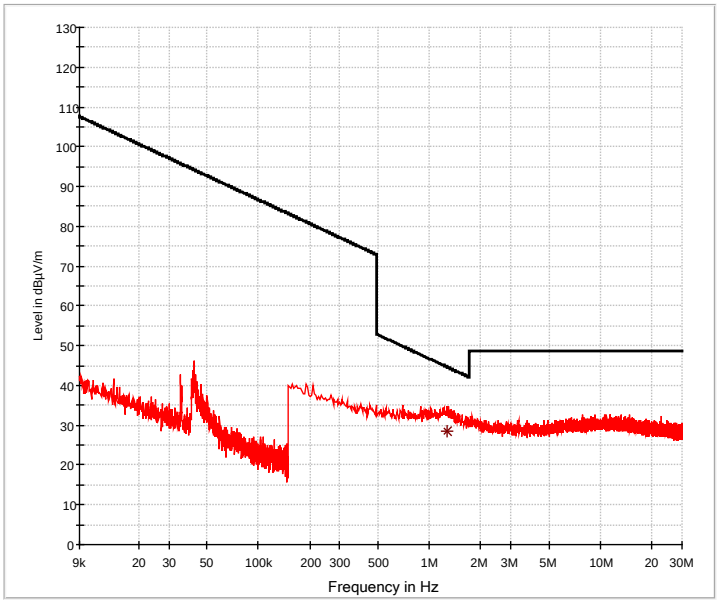
8.1.1 Lowest Channel



EUT flat on table

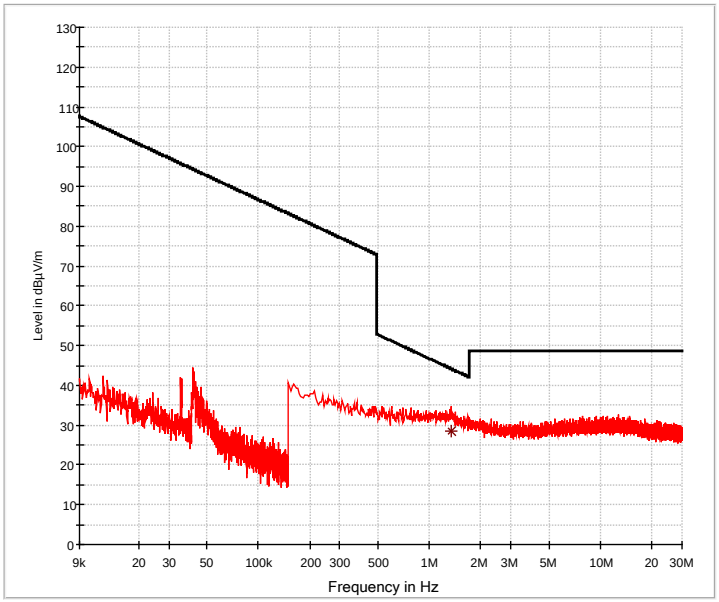


EUT on long side

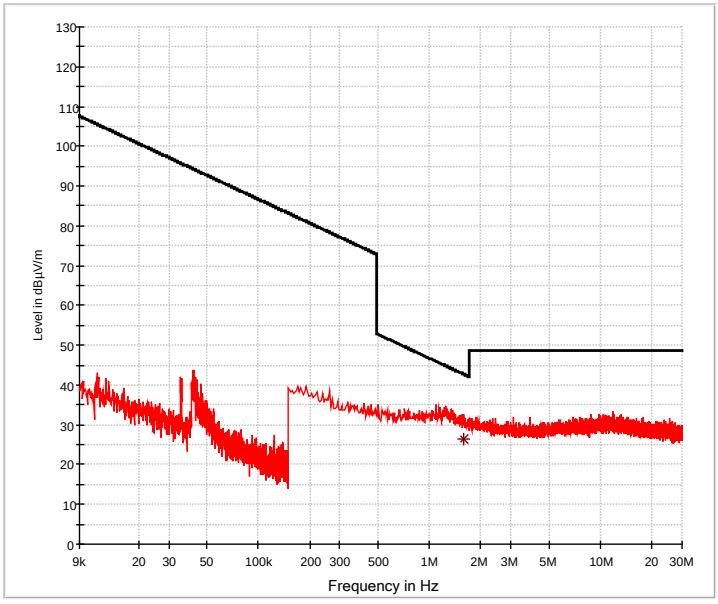


EUT in upright position

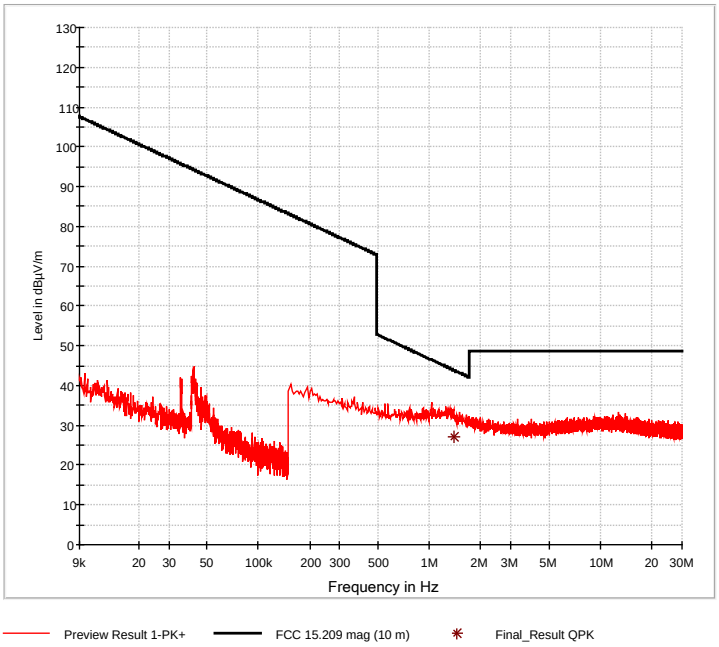
8.1.2 Middle channel



EUT flat on table

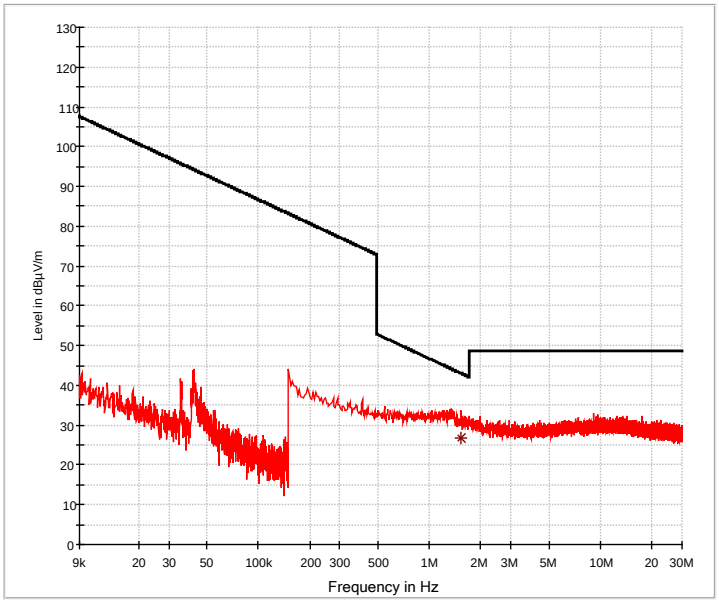


EUT on long side

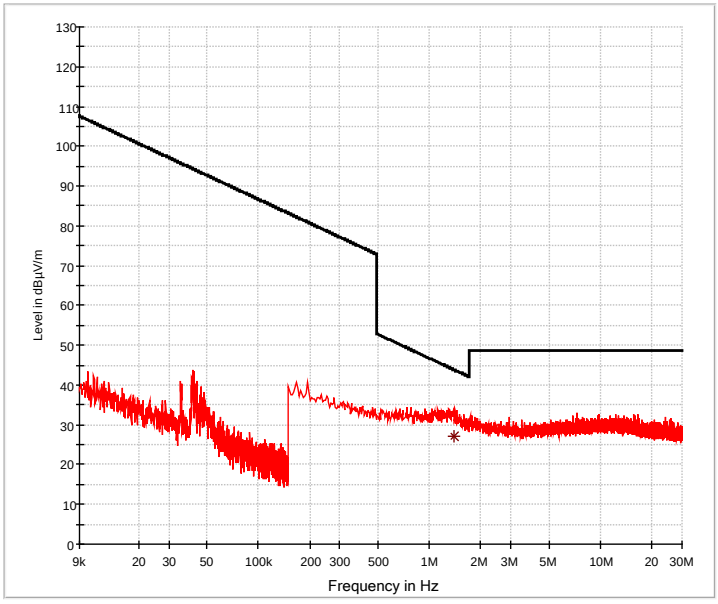


EUT in upright position

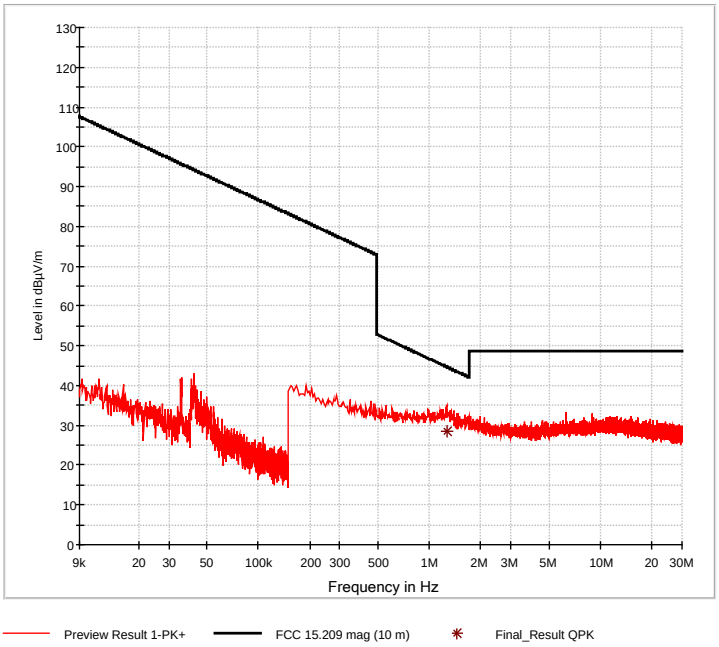
8.1.3 Highest channel



EUT flat on table



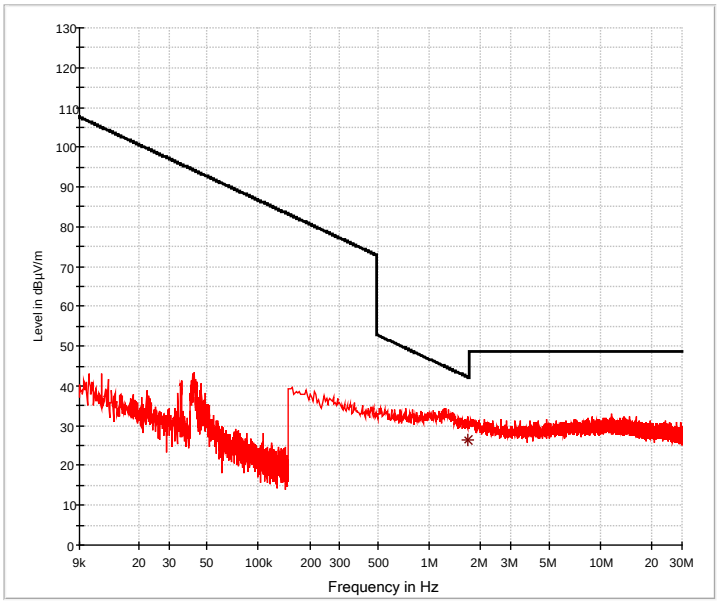
EUT on long side



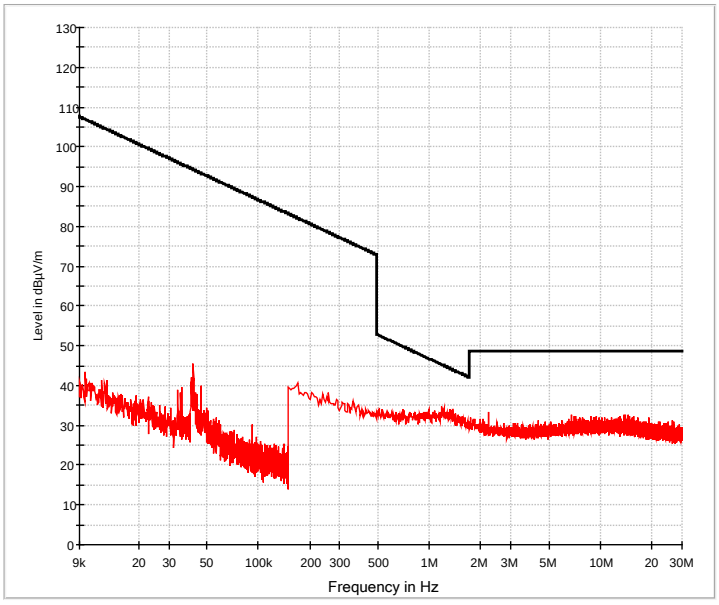
EUT in upright position

8.2 Test plots for Propritary Radio

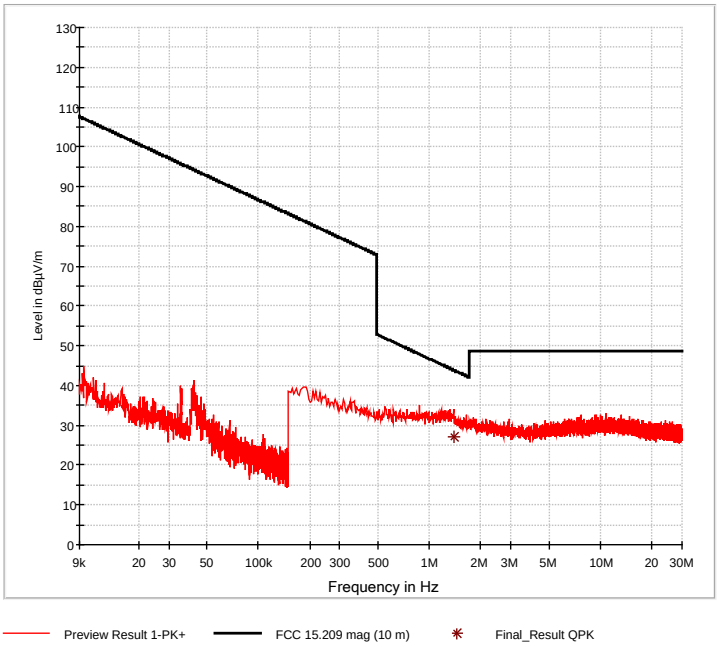
8.2.1 Lowest Channel



EUT flat on table

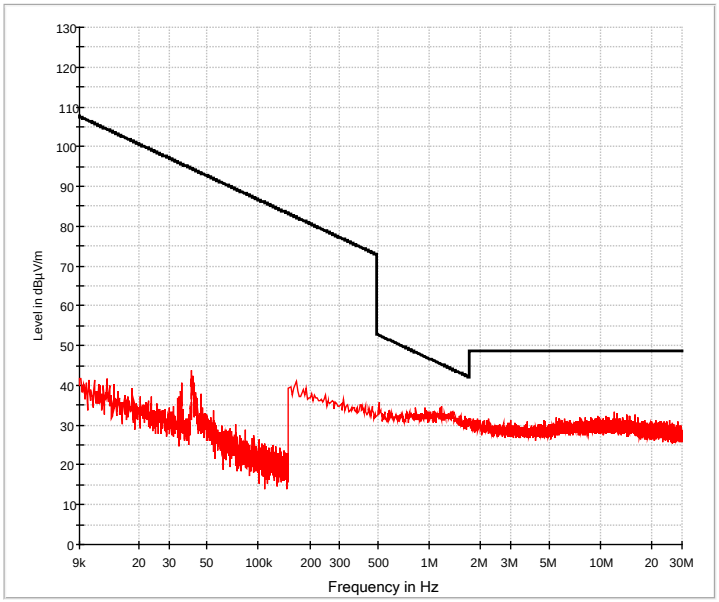


EUT on long side

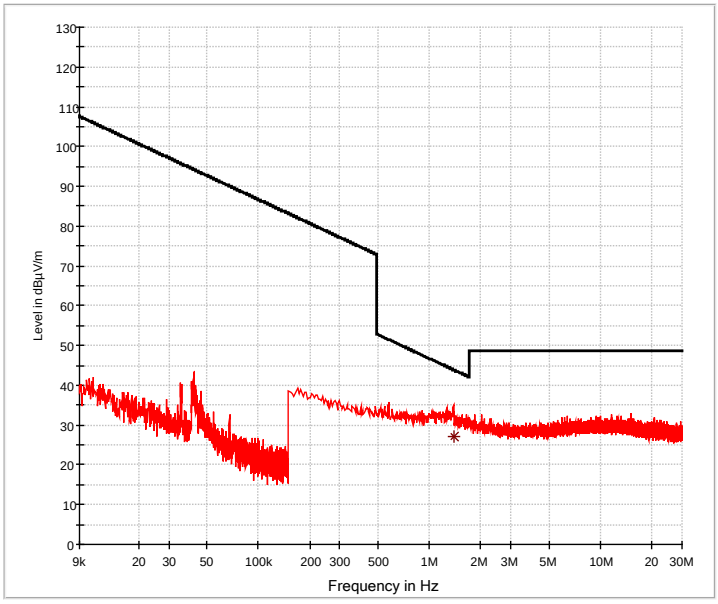


EUT in upright position

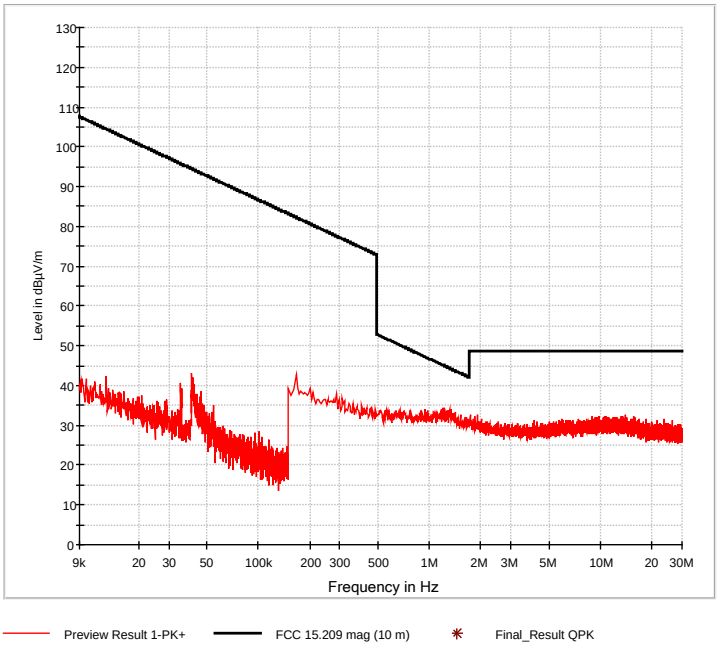
8.2.2 Middle Channel



EUT flat on table

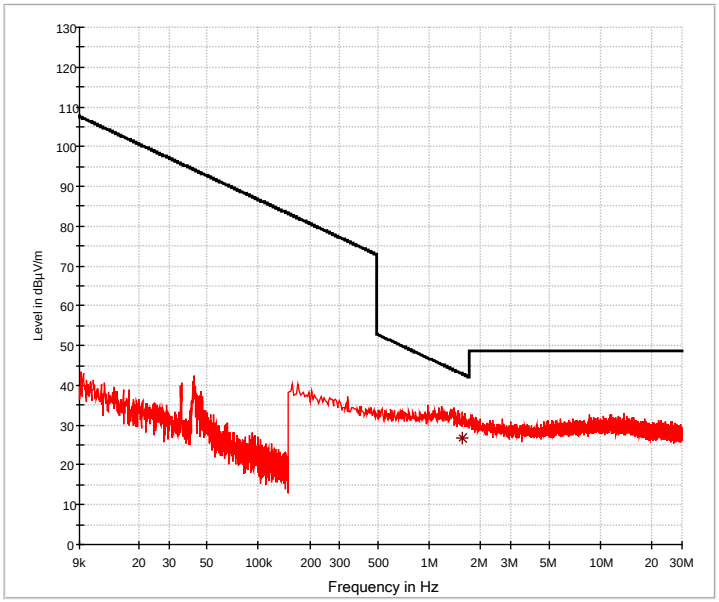


EUT on long side

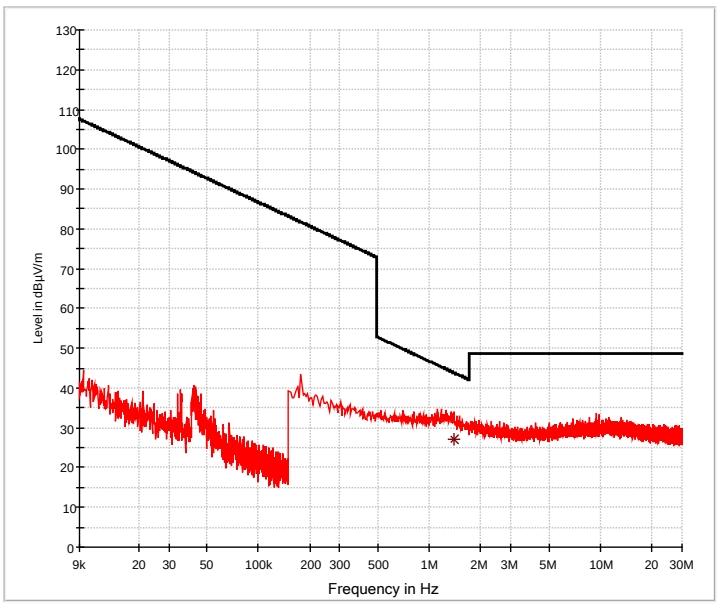


EUT on long side

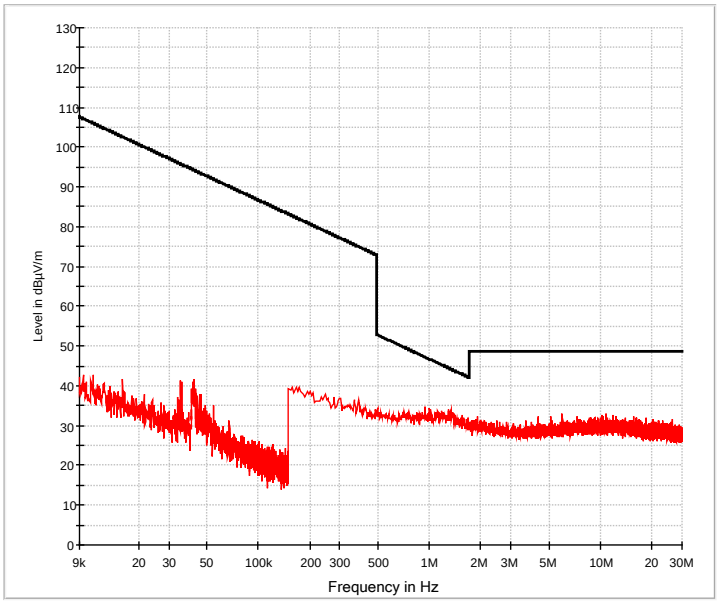
8.2.3 Highest channel



EUT flat on table



EUT on long side



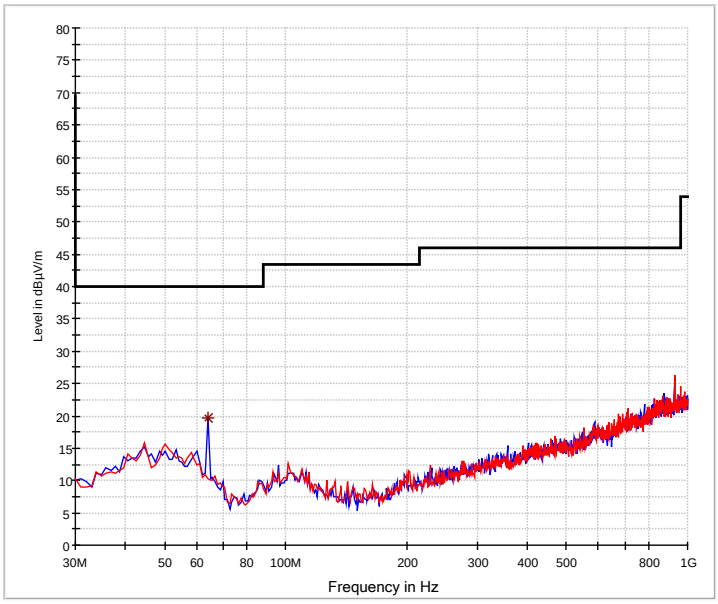
EUT in upright position

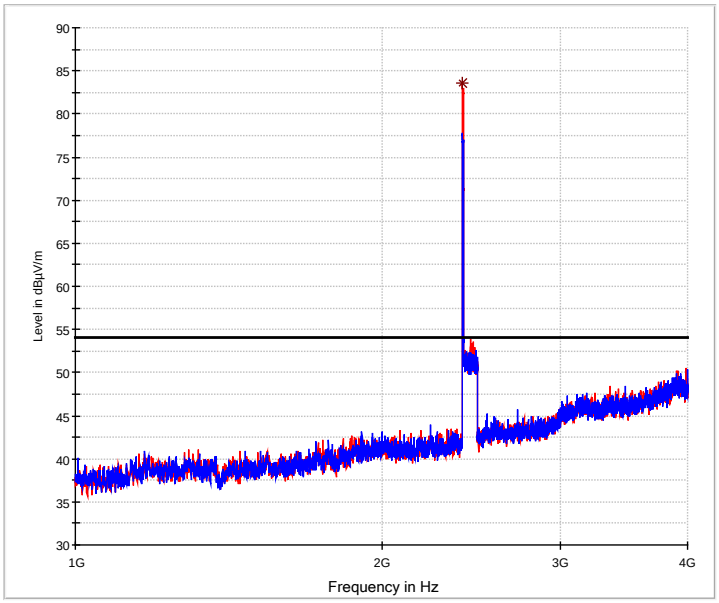
9 Plots for Radiated Emissions 30 MHz – 25 GHz

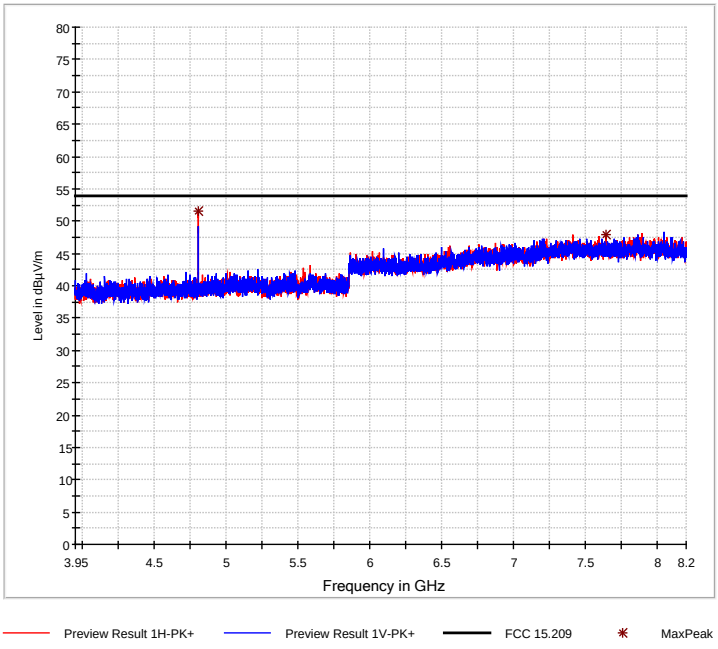
9.1 Test plots for Bluetooth Low Energy (BLE)

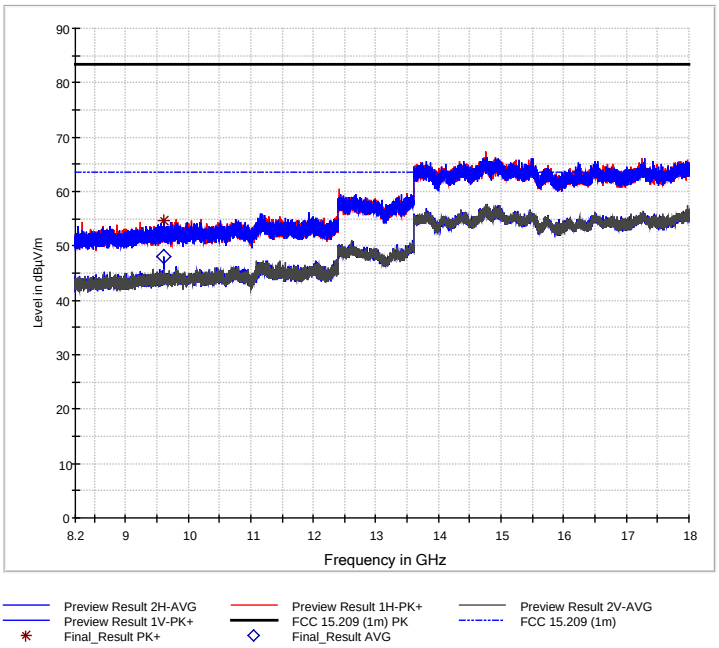
9.1.1 Lowest Channel

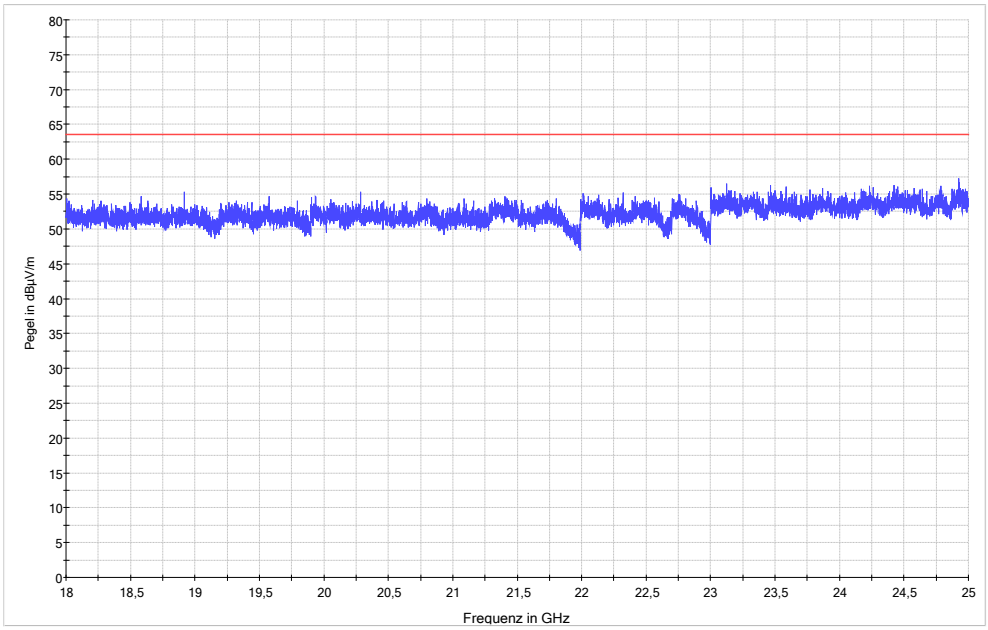
9.1.1.1 EUT flat on table

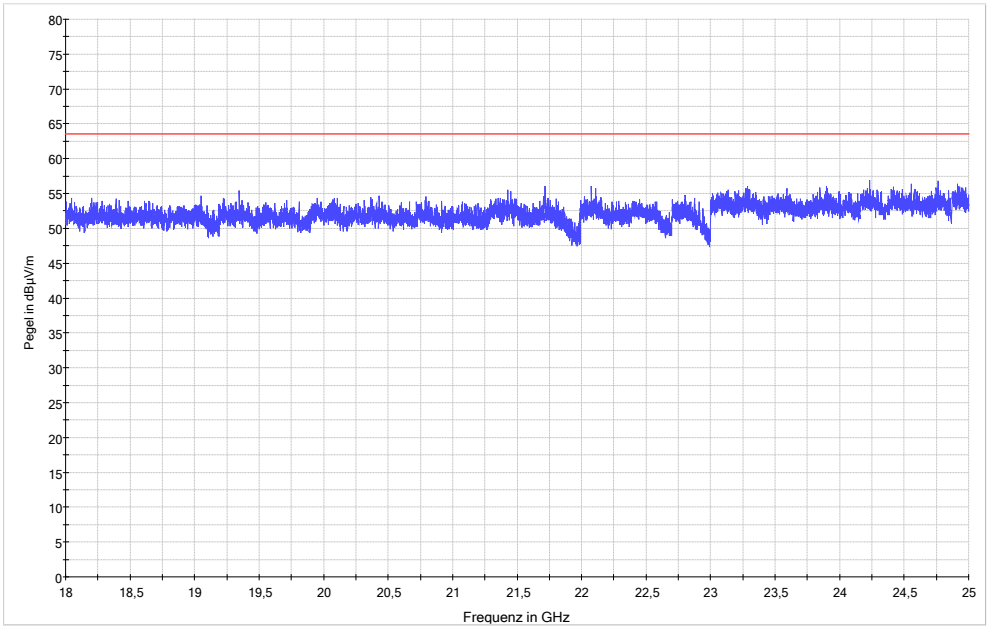



Level in dBµV/m
Frequency in Hz
1G
2G
3G
4G
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

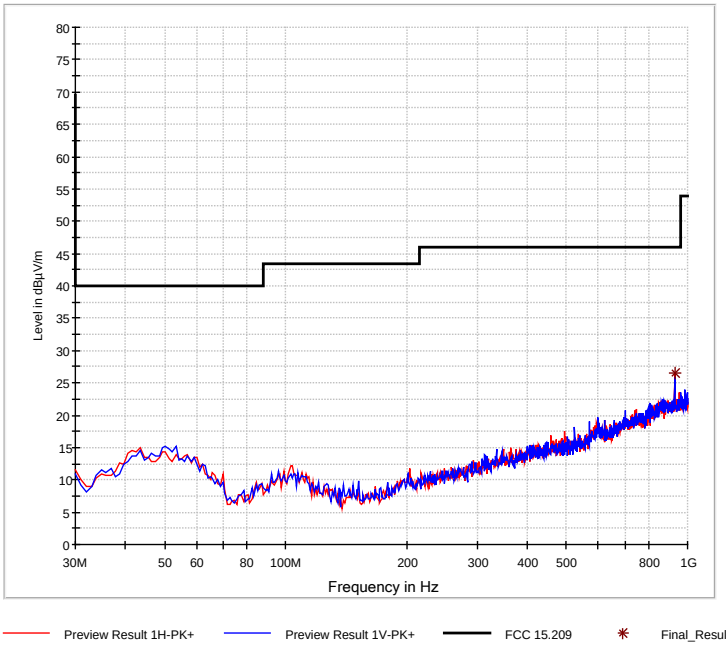

Level in dBµV/m
Frequency in GHz
3.95
4.5
5
5.5
6
6.5
7
7.5
8
8.2
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
MaxPeak

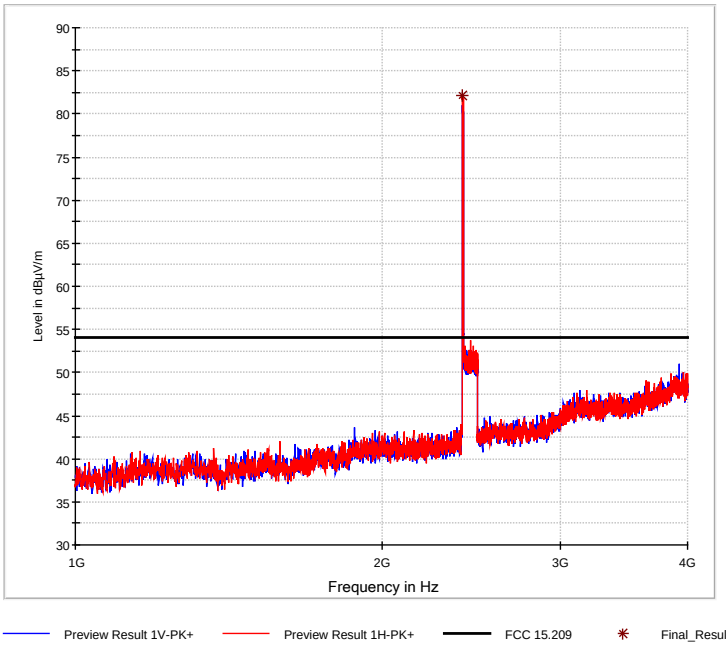

90
80
70
60
50
40
30
20
10
0
Level in dBµV/m
8.2
9
10
11
12
13
14
15
16
17
18
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1V-PK+
Final_Result PK+
Preview Result 1H-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2V-AVG
FCC 15.209 (1m)

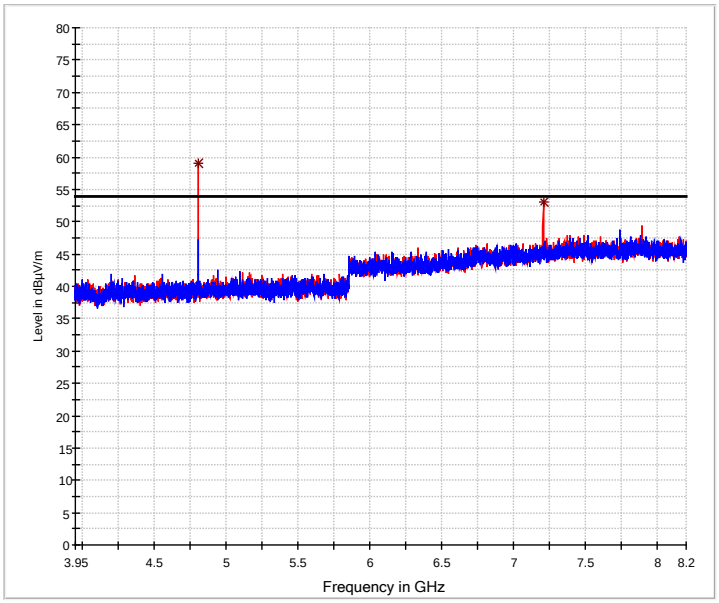

Pegel in dBµV/m
Frequenz in GHz
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
18
18,5
19
19,5
20
20,5
21
21,5
22
22,5
23
23,5
24
24,5
25

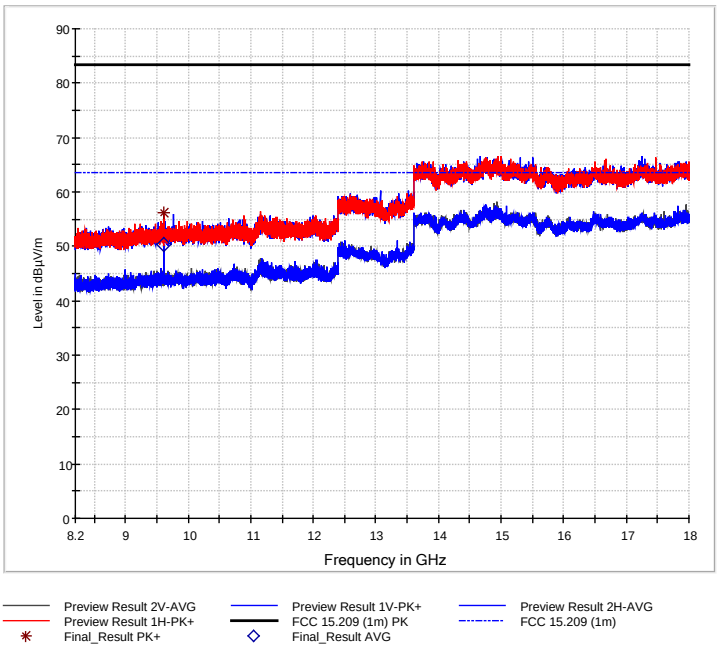

Pegel in dBµV/m
Frequenz in GHz
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
18
18,5
19
19,5
20
20,5
21
21,5
22
22,5
23
23,5
24
24,5
25

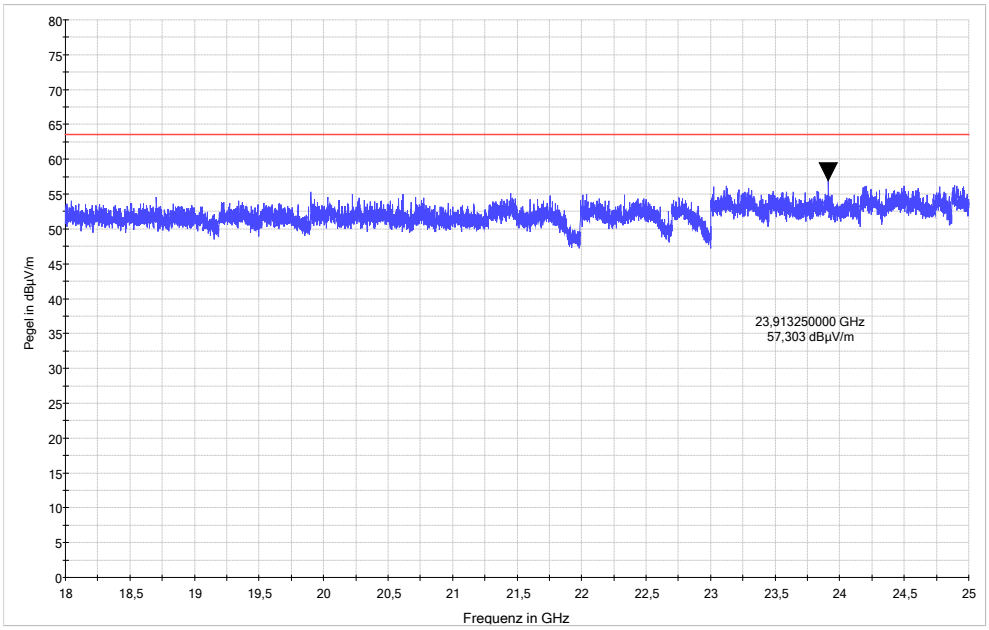
9.1.1.2 EUT on long side:

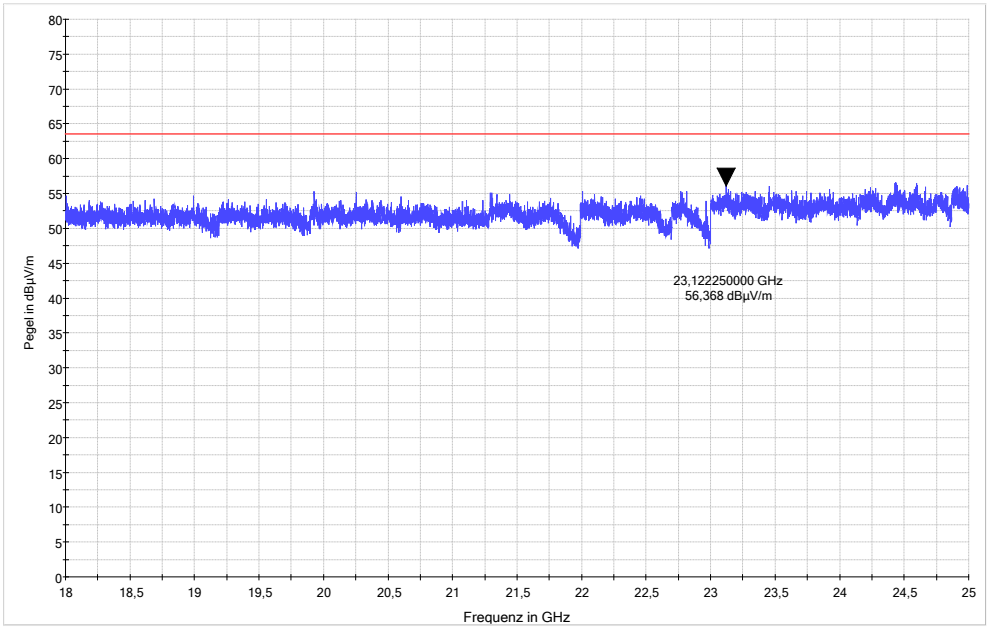




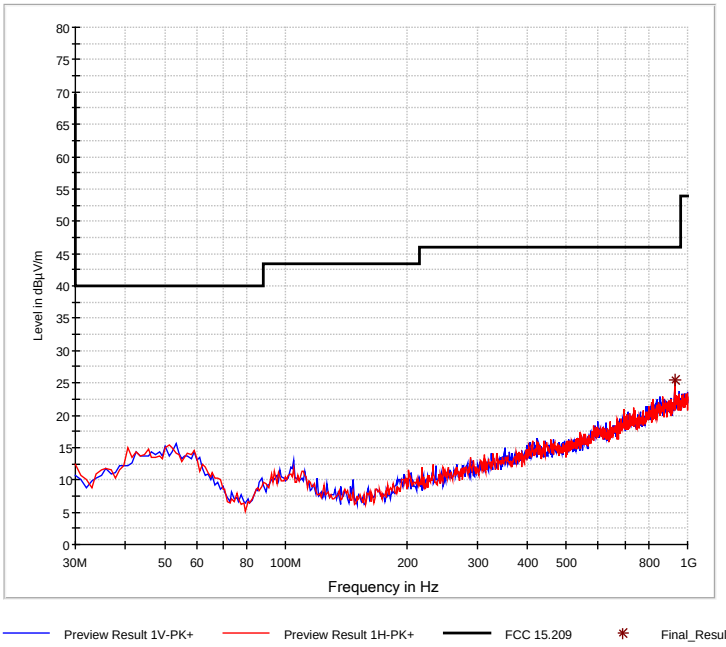

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
MaxPeak

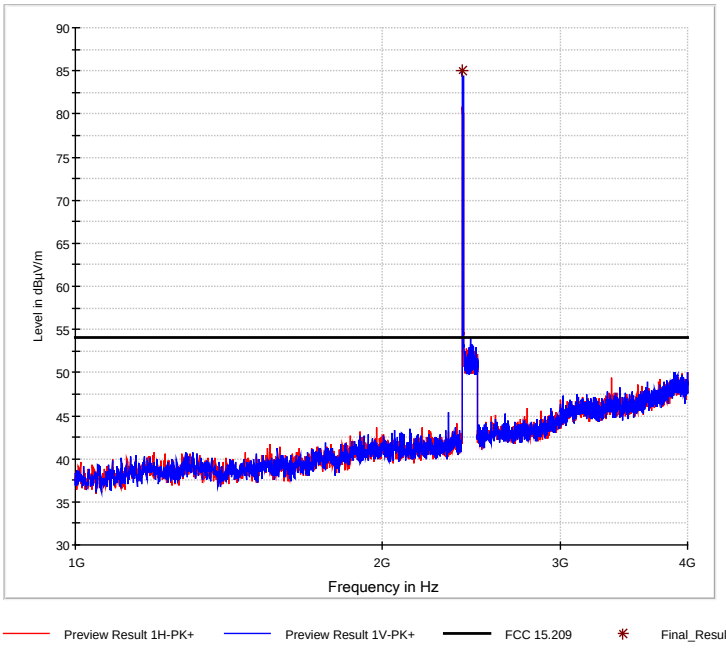

Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)

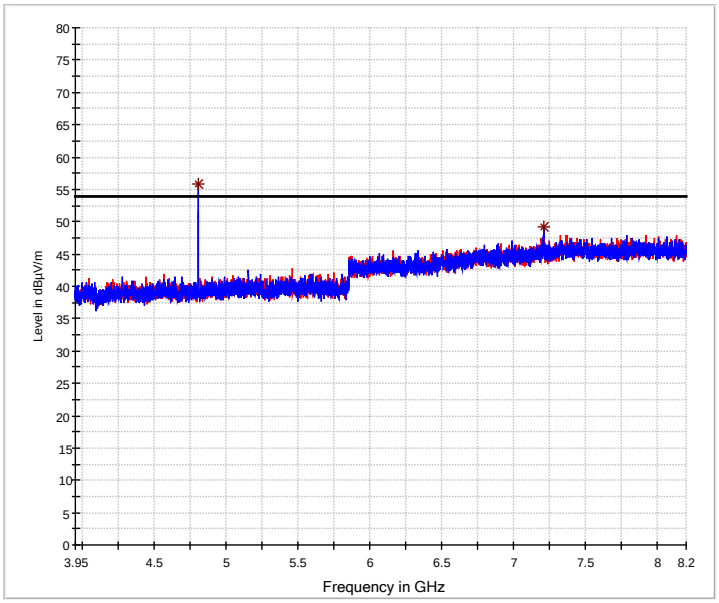

Pegel in dBµV/m
Frequenz in GHz
23,913250000 GHz
57,303 dBµV/m

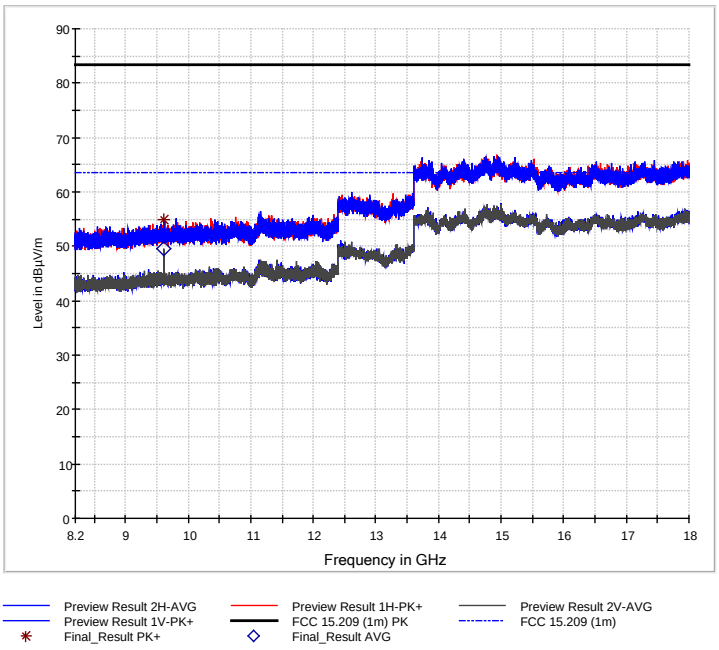

Pegel in dBµV/m
Frequenz in GHz
23,122250000 GHz
56,368 dBµV/m

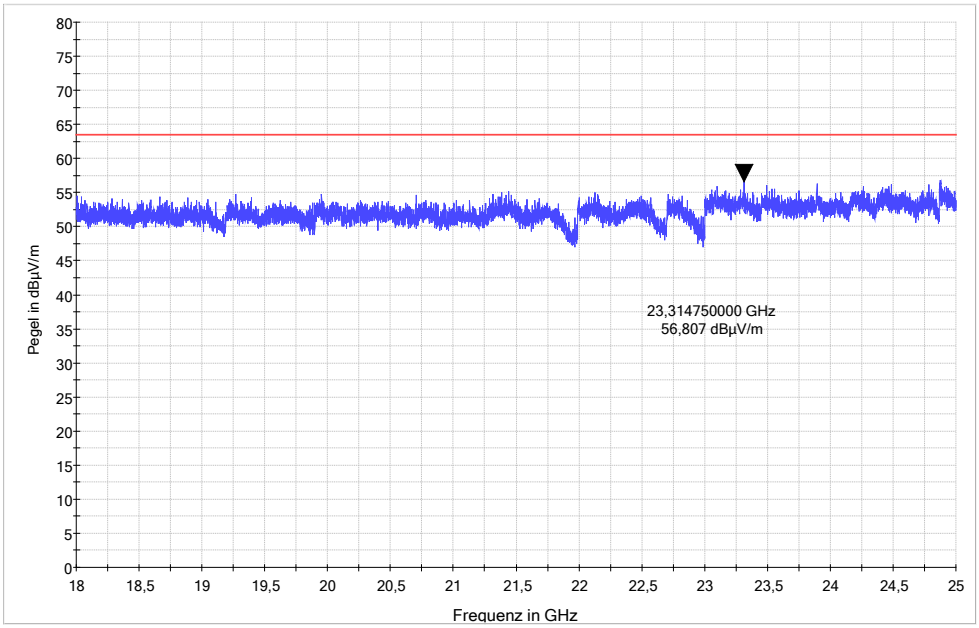
9.1.1.3 EUT in upright position:

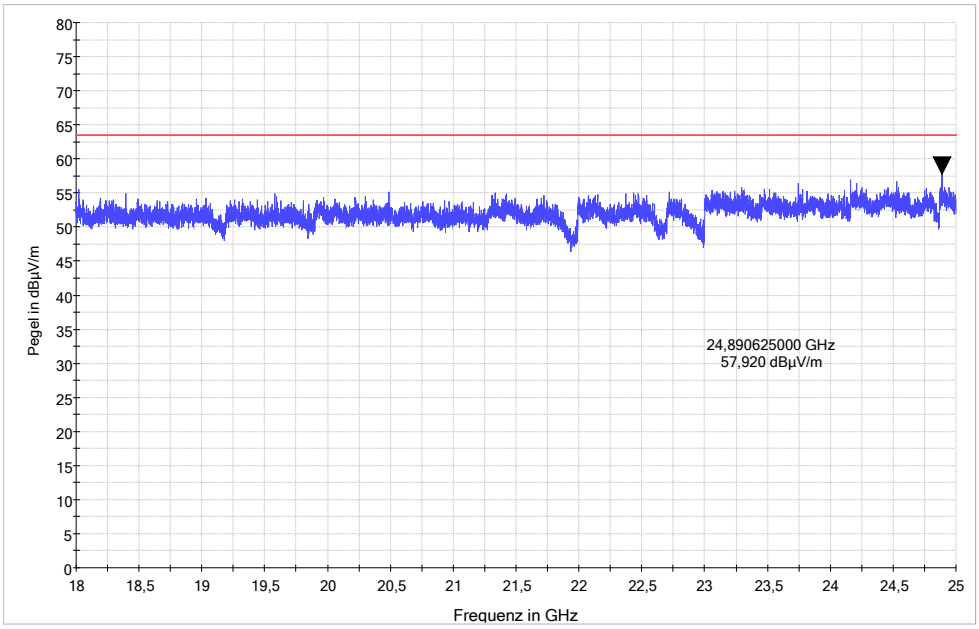





Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

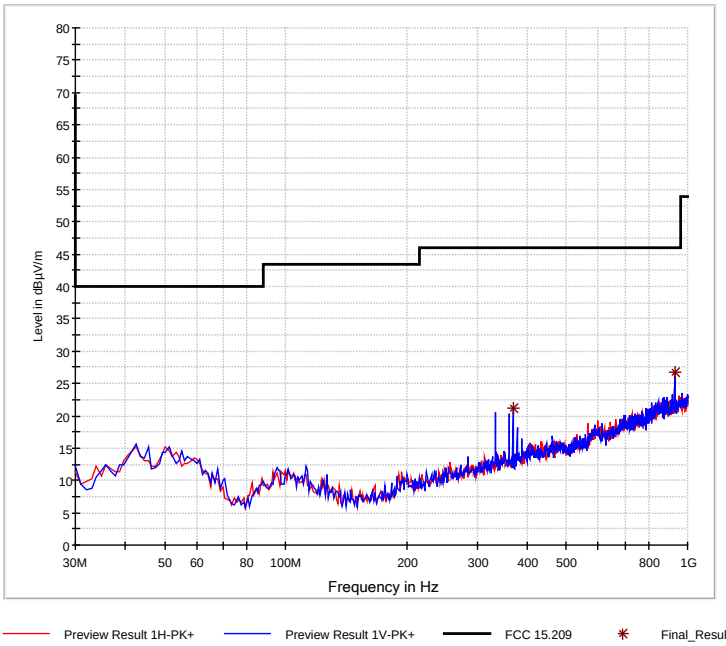

Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1V-PK+
Final_Result PK+
Preview Result 1H-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2V-AVG
FCC 15.209 (1m)

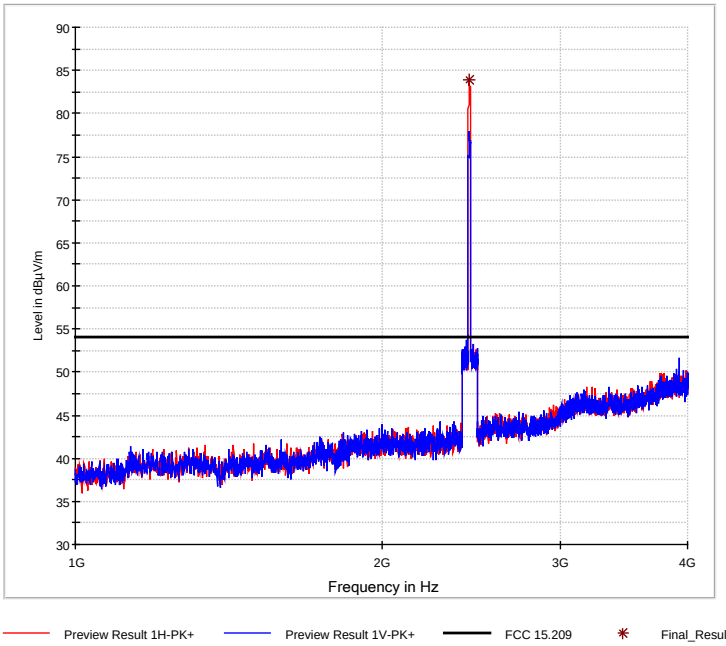

Pegel in dBµV/m
Frequenz in GHz
23,314750000 GHz
56,807 dBµV/m

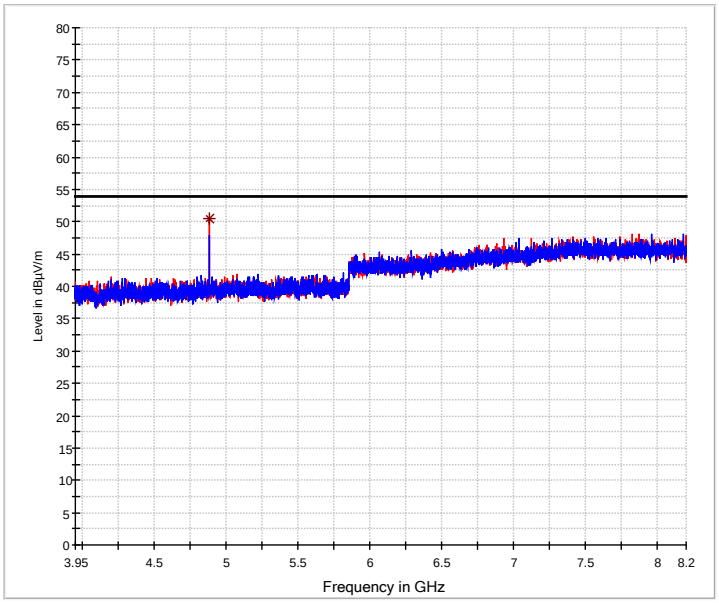

Pegel in dBµV/m
Frequenz in GHz
24,890625000 GHz
57,920 dBµV/m

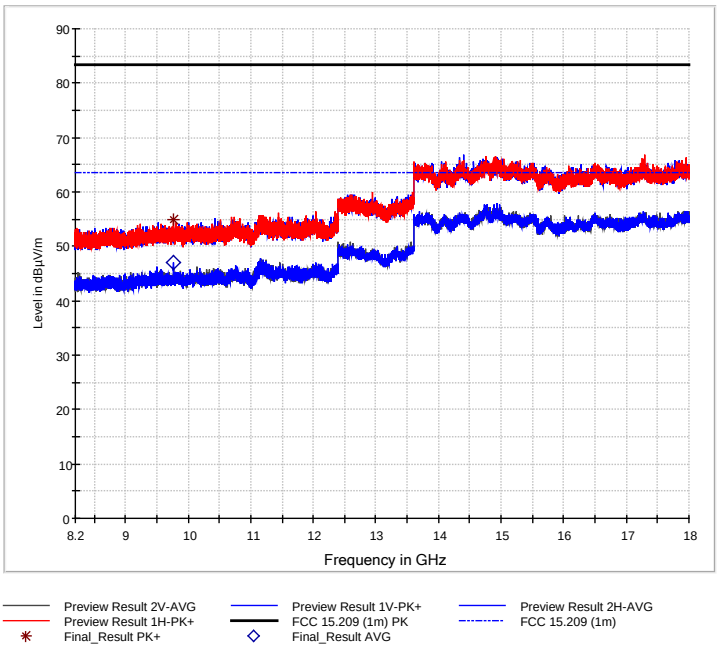
9.1.2 Middle channel

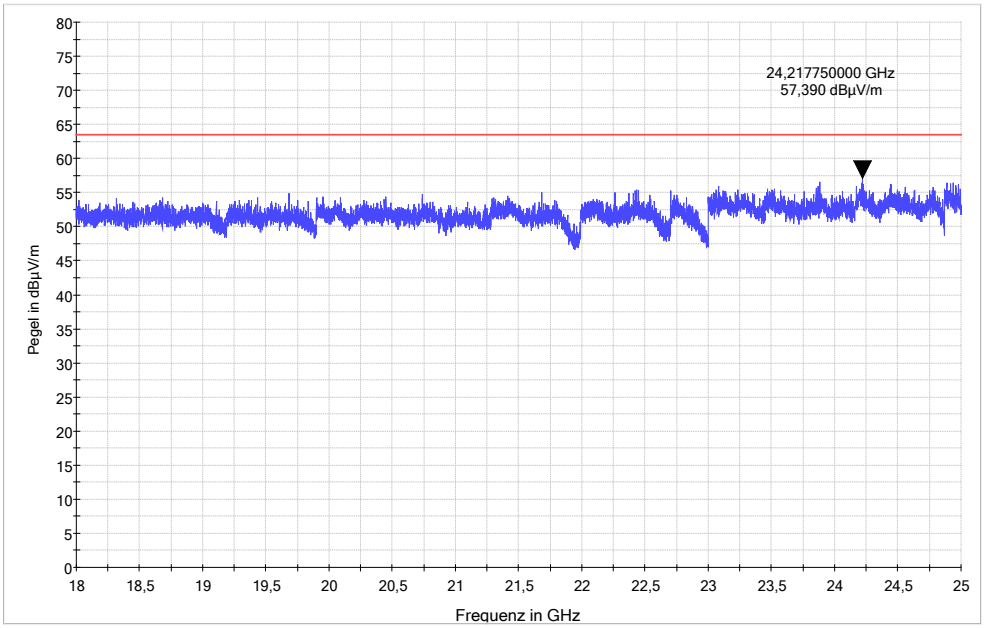
9.1.2.1 EUT flat on table

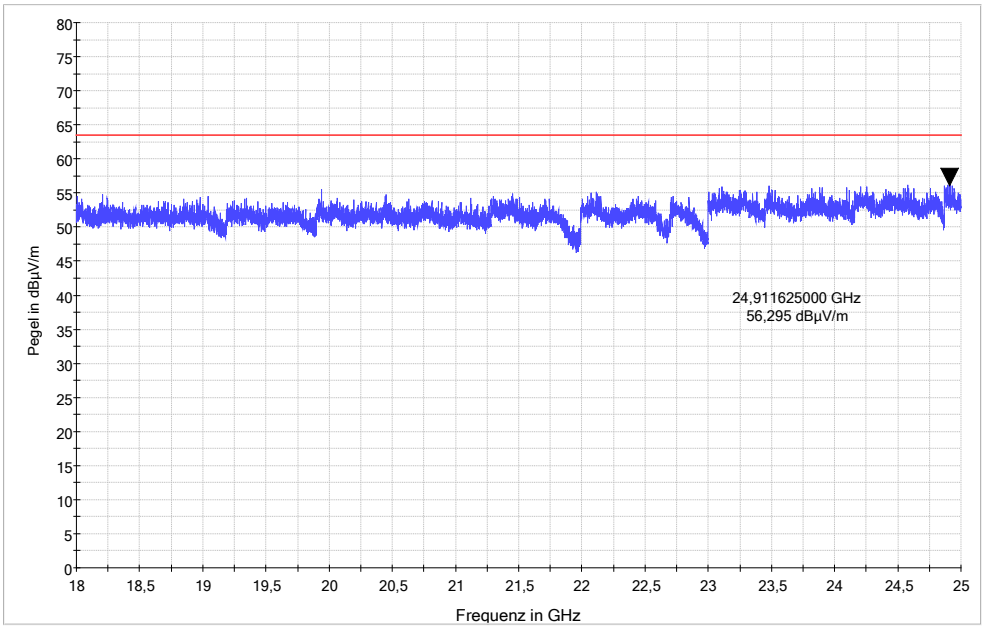




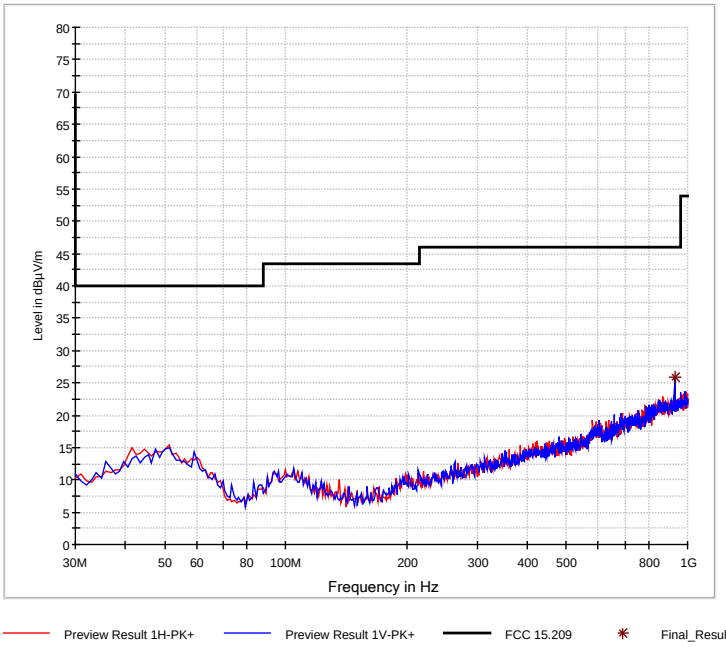

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

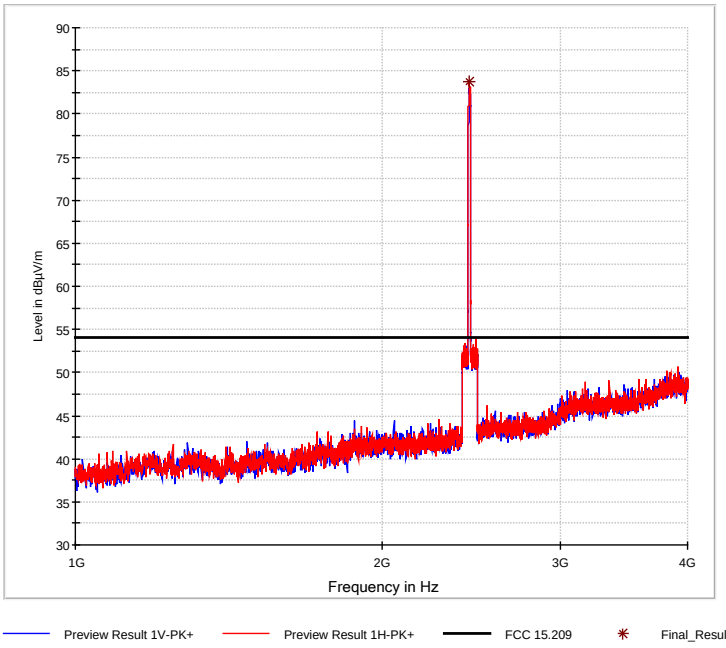

Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)

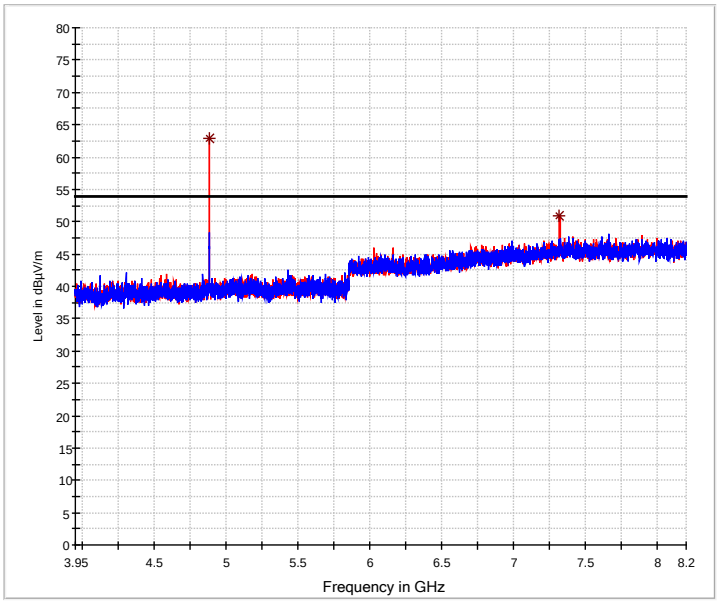

24,217750000 GHz
57,390 dBµV/m
Pegel in dBµV/m
Frequenz in GHz

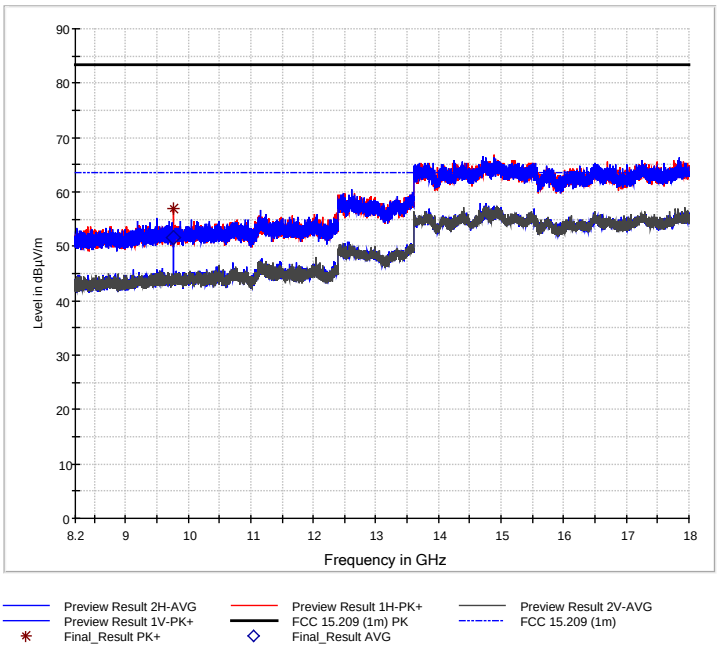

24,911625000 GHz
56,295 dBµV/m
Pegel in dBµV/m
Frequenz in GHz

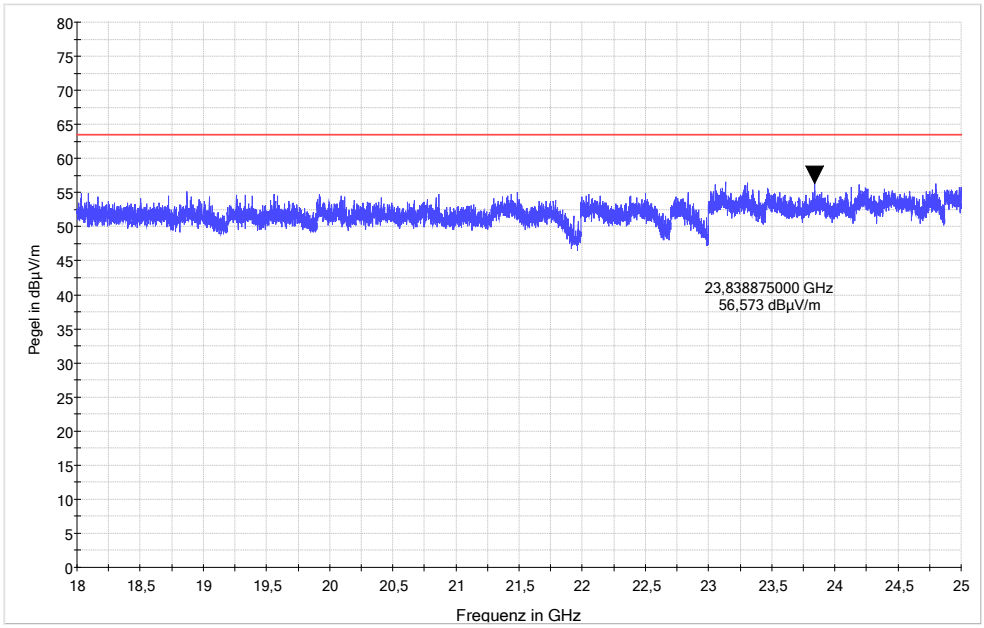
9.1.2.2 EUT on long side

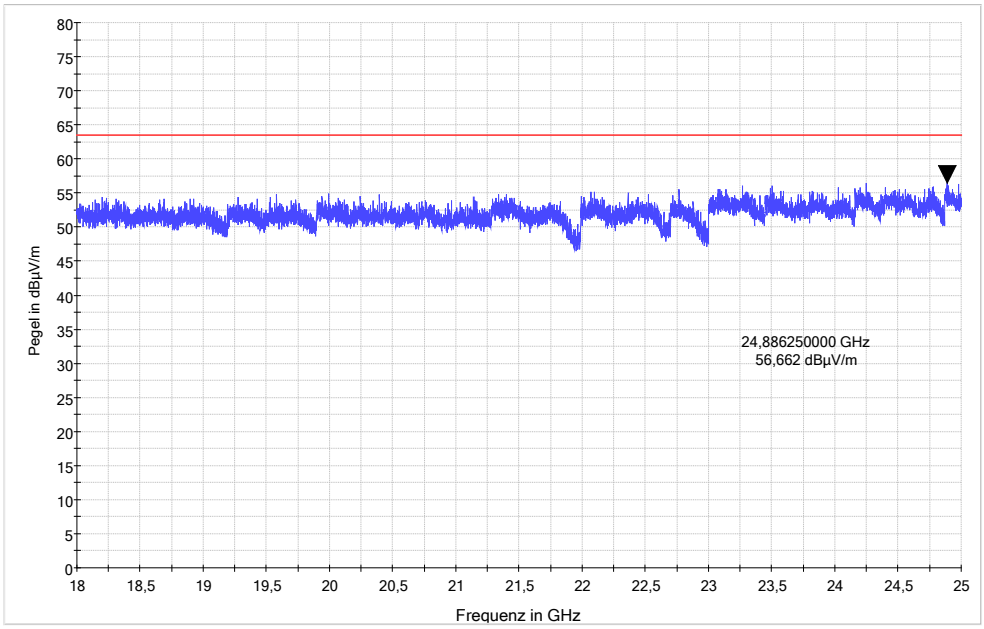




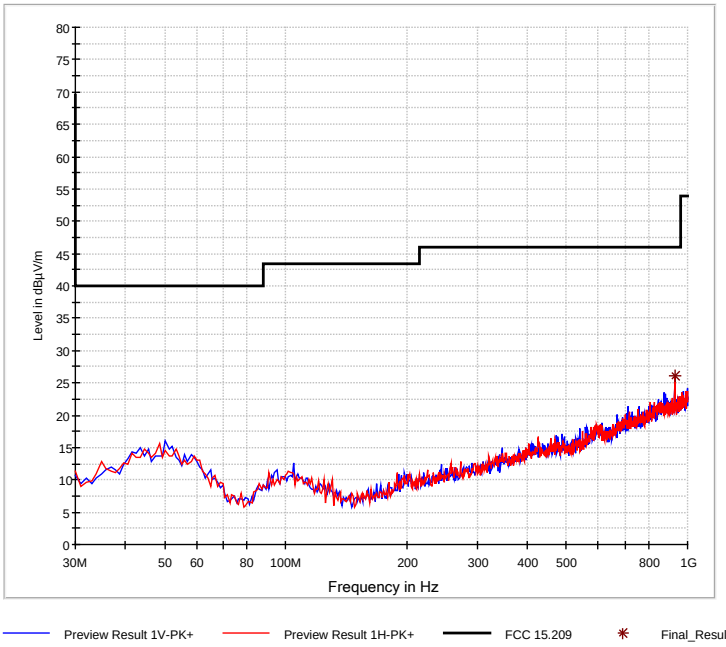

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

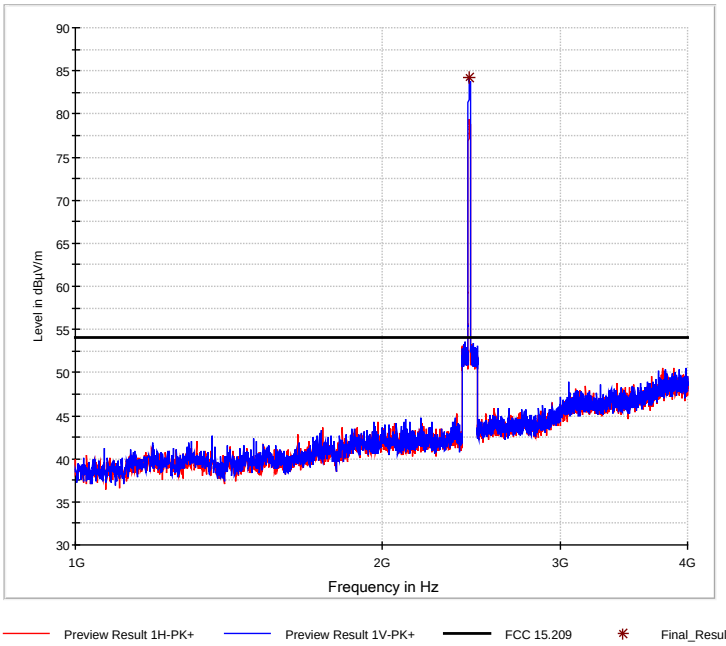

Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1V-PK+
Final_Result PK+
Preview Result 1H-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2V-AVG
FCC 15.209 (1m)

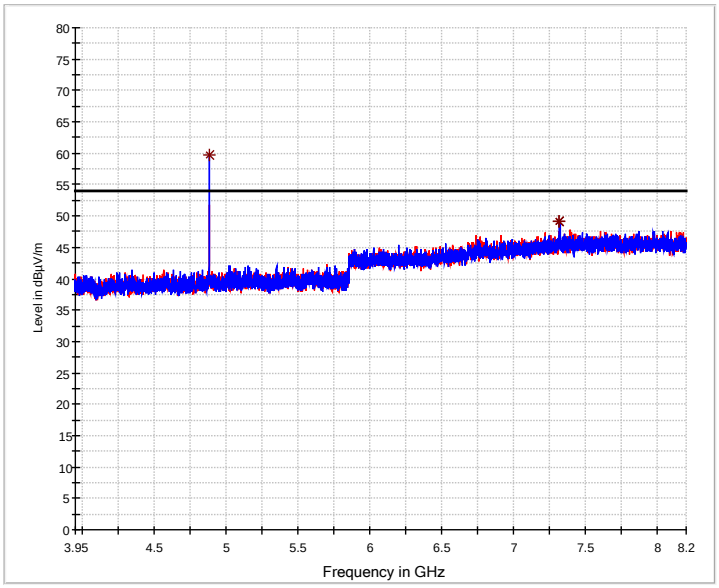

Pegel in dBµV/m
Frequenz in GHz
23,838875000 GHz
56,573 dBµV/m

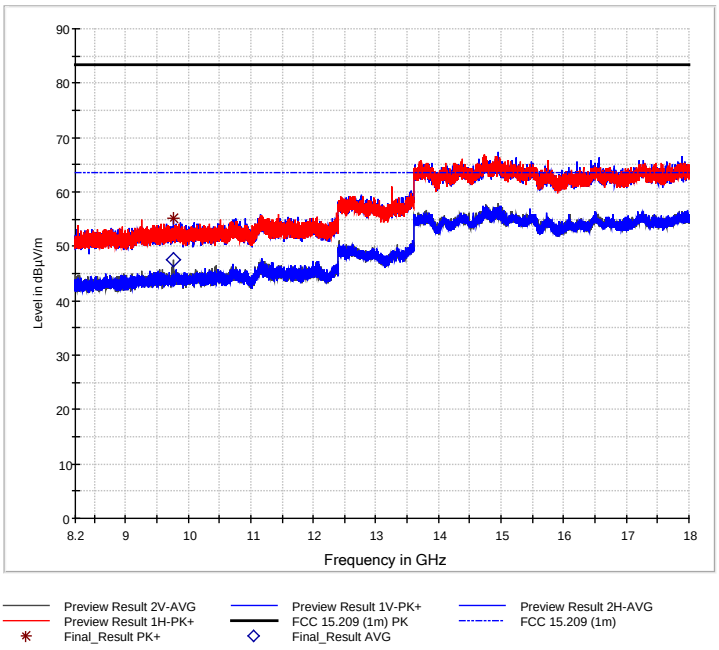

Pegel in dBµV/m
Frequenz in GHz
24,886250000 GHz
56,662 dBµV/m

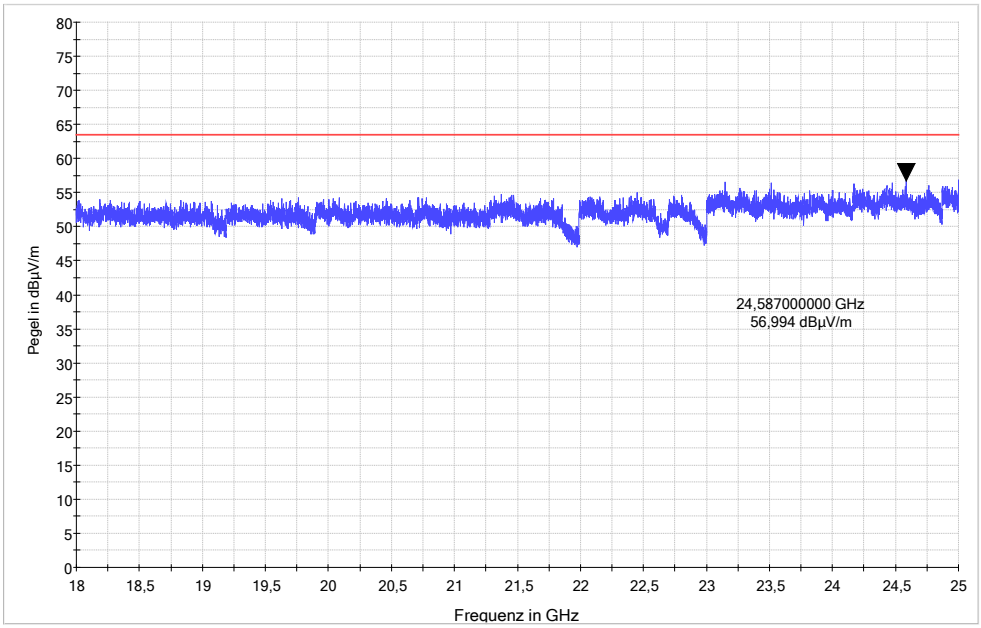
9.1.2.3 EUT in upright position

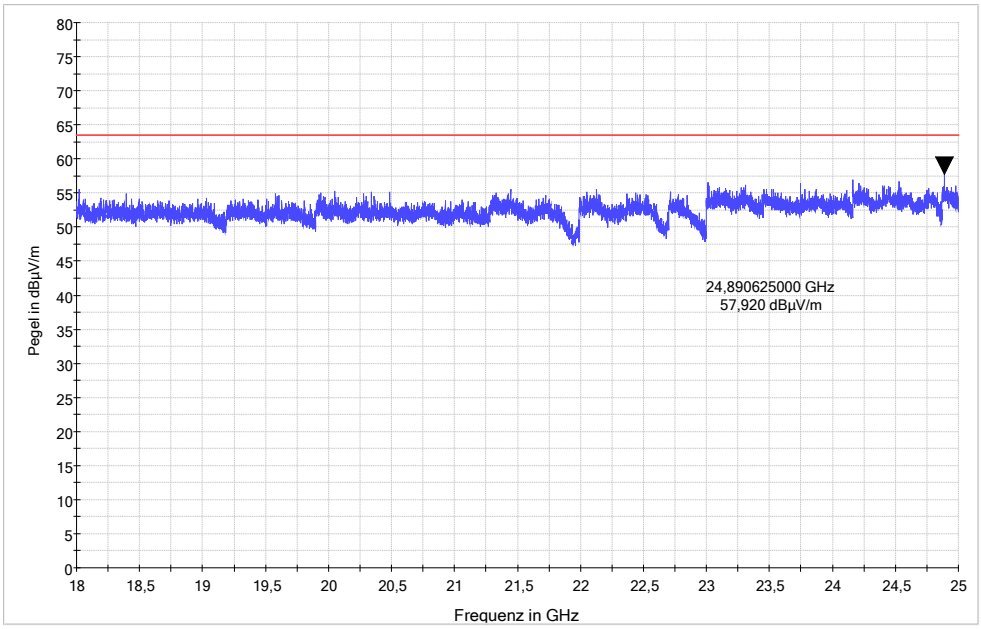





Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
FCC 15.209
Preview Result 1V-PK+
Final_Result PK+
MaxPeak-PK+

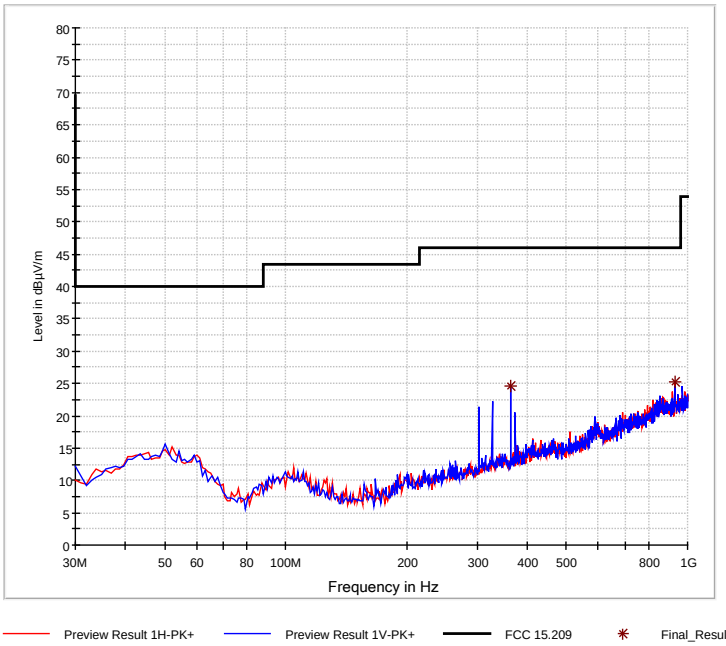

Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)

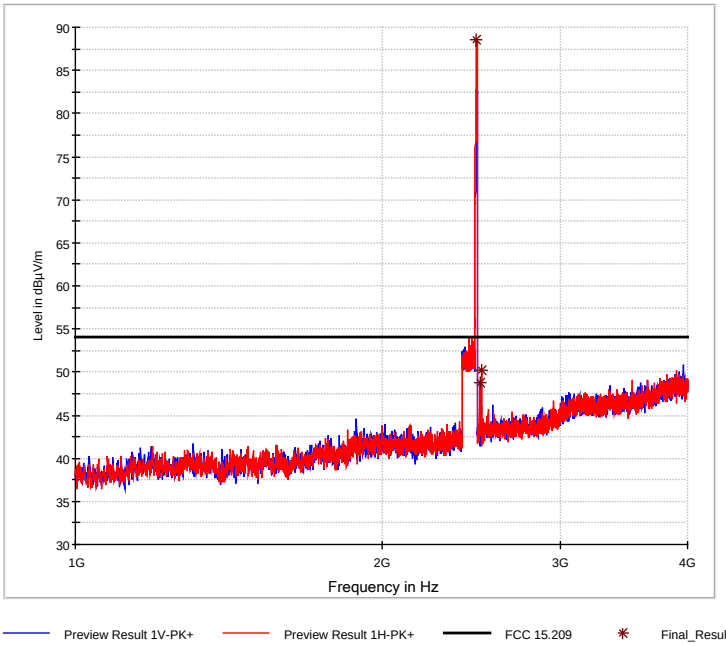

Pegel in dBµV/m
Frequenz in GHz
24,587000000 GHz
56,994 dBµV/m

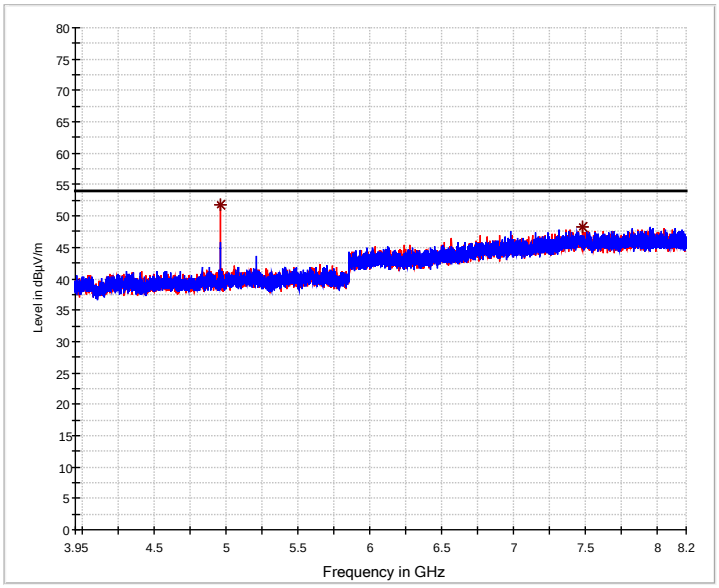

Pegel in dBµV/m
Frequenz in GHz
24,890625000 GHz
57,920 dBµV/m

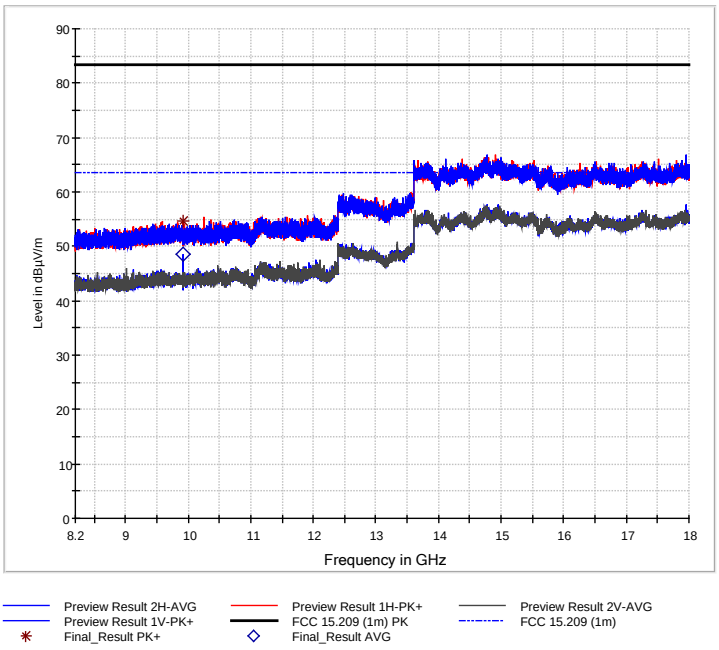
9.1.3 Highest channel

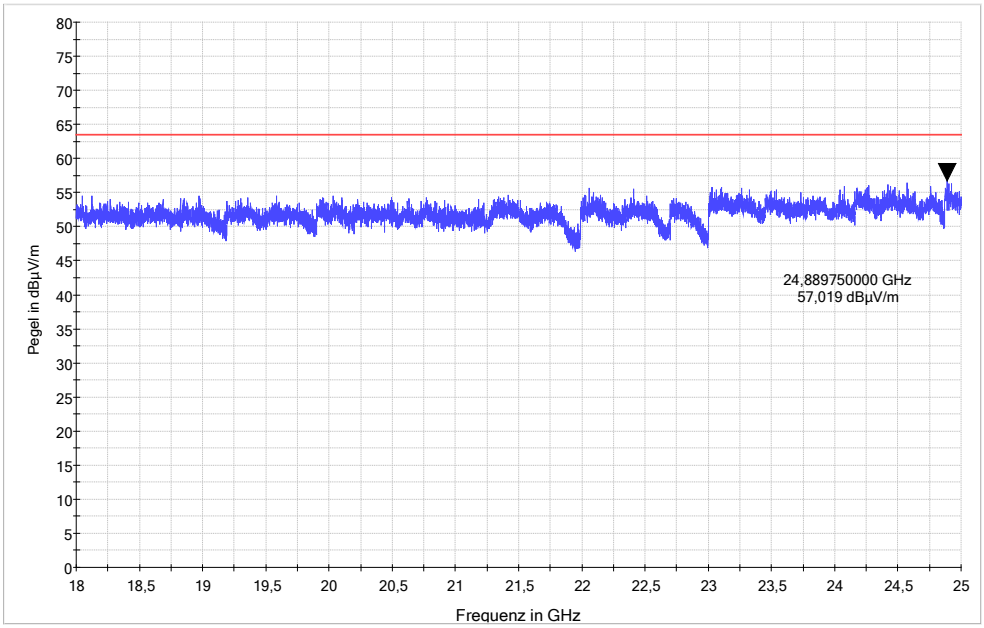
9.1.3.1 EUT flat on table

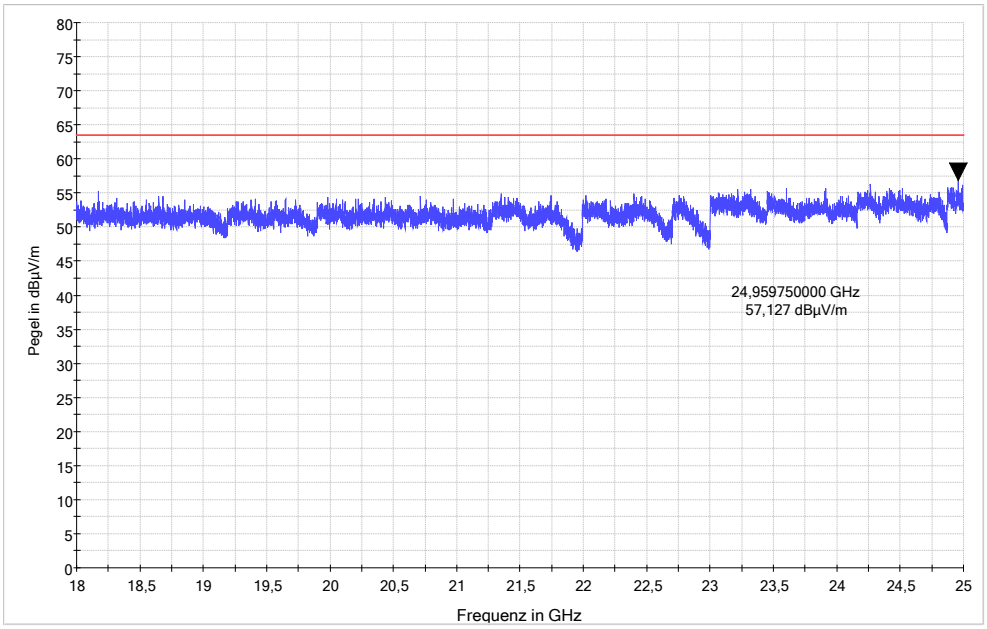




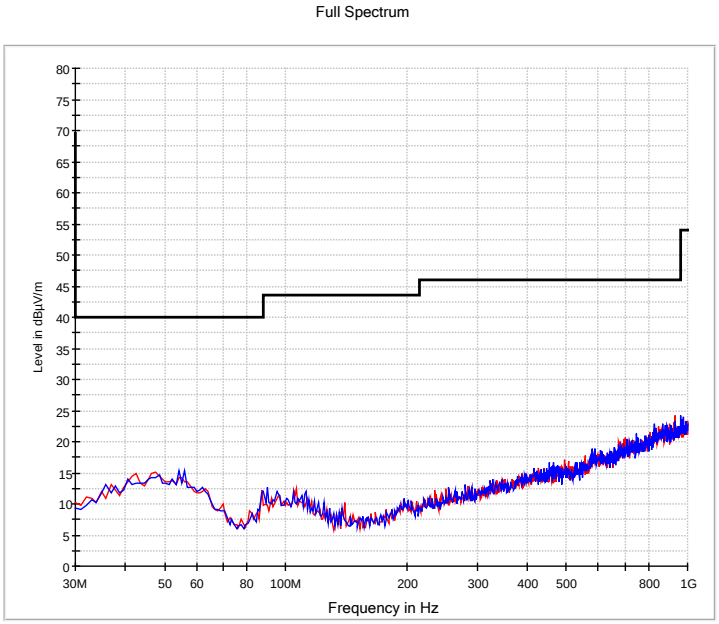

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
MaxPeak-PK+
FCC 15.209
Final_Result PK+

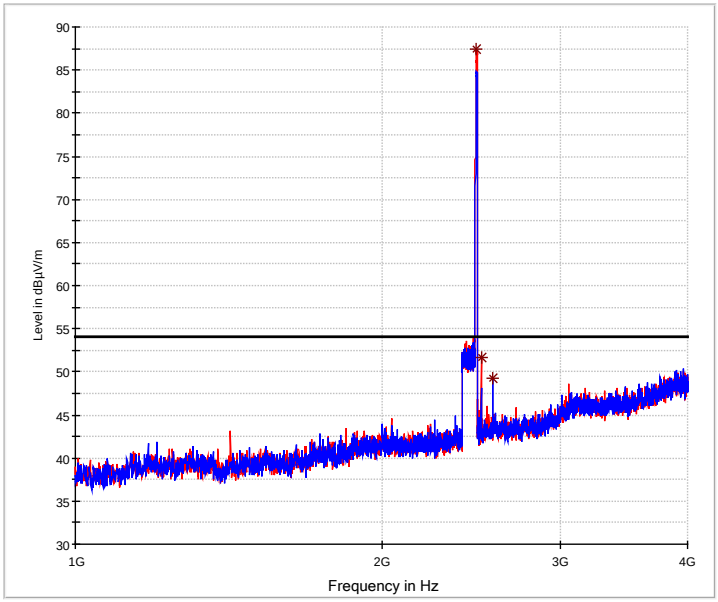

Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.209 (1m) PK
FCC 15.209 (1m)
Final_Result PK+
Final_Result AVG

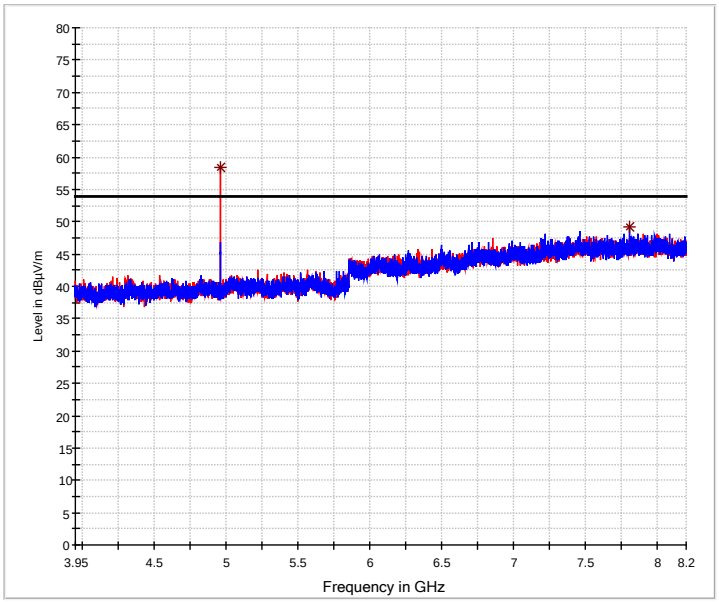

Pegel in dBµV/m
Frequenz in GHz
24,889750000 GHz
57,019 dBµV/m

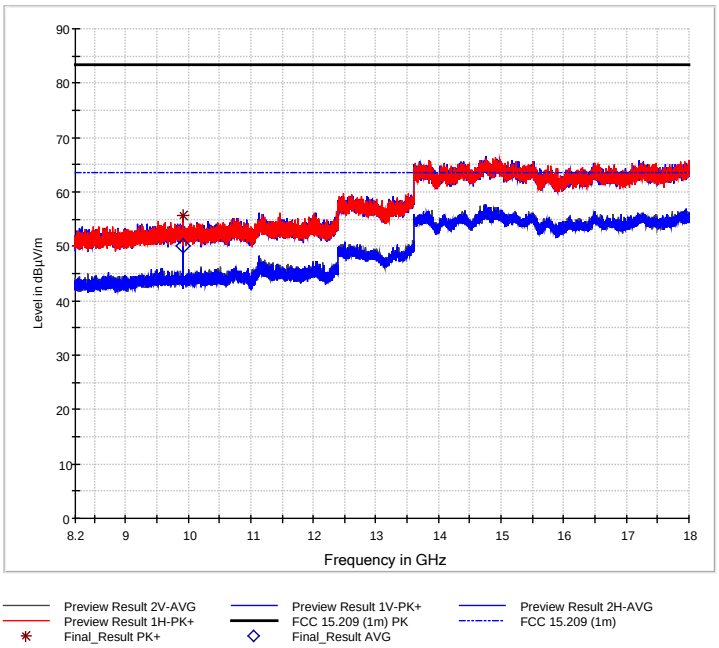

Pegel in dBµV/m
Frequenz in GHz
24,959750000 GHz
57,127 dBµV/m

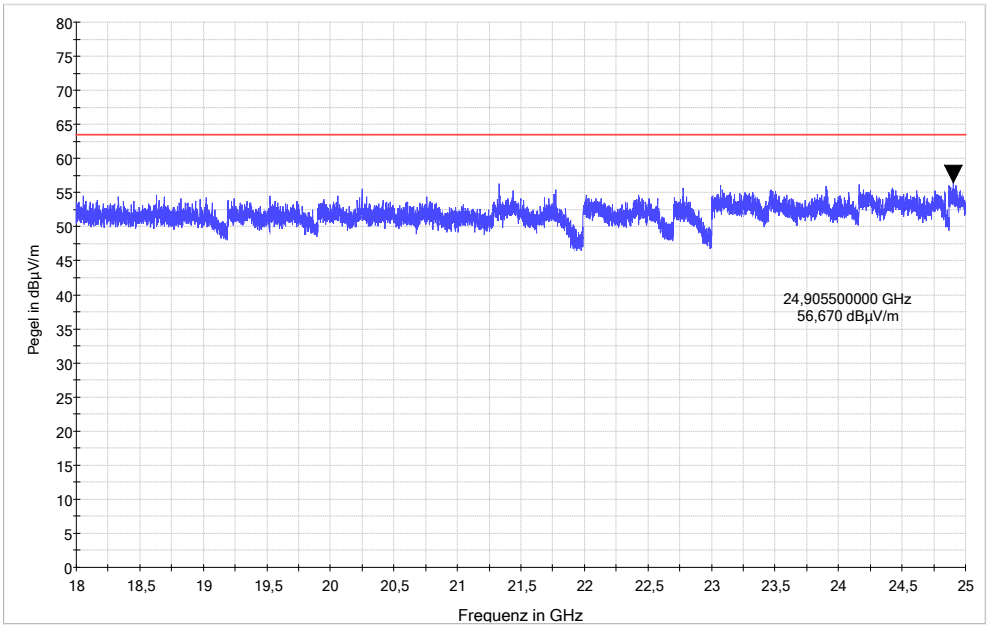
9.1.3.2 EUT on long side:

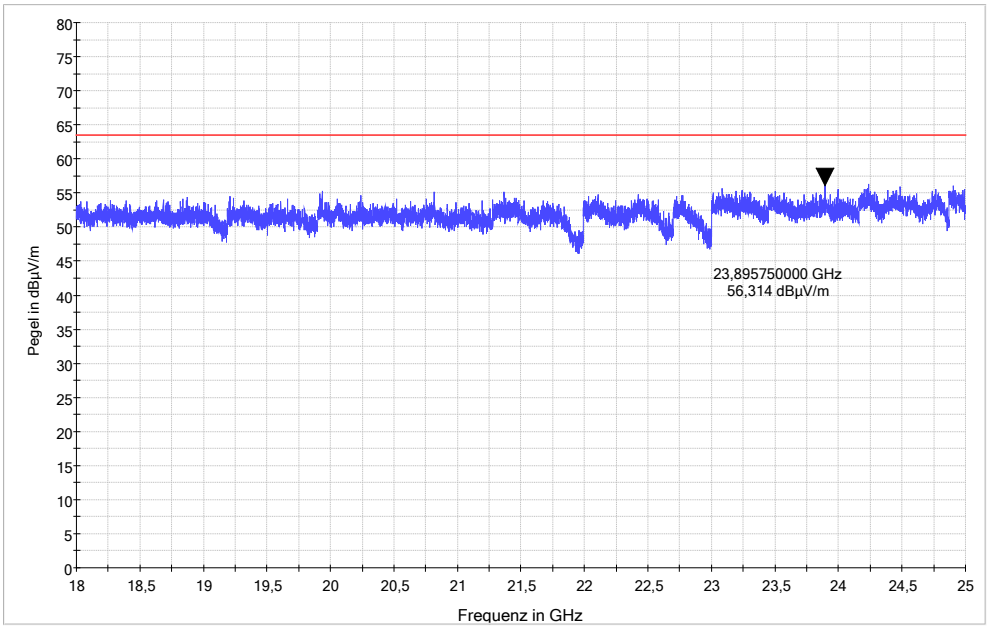




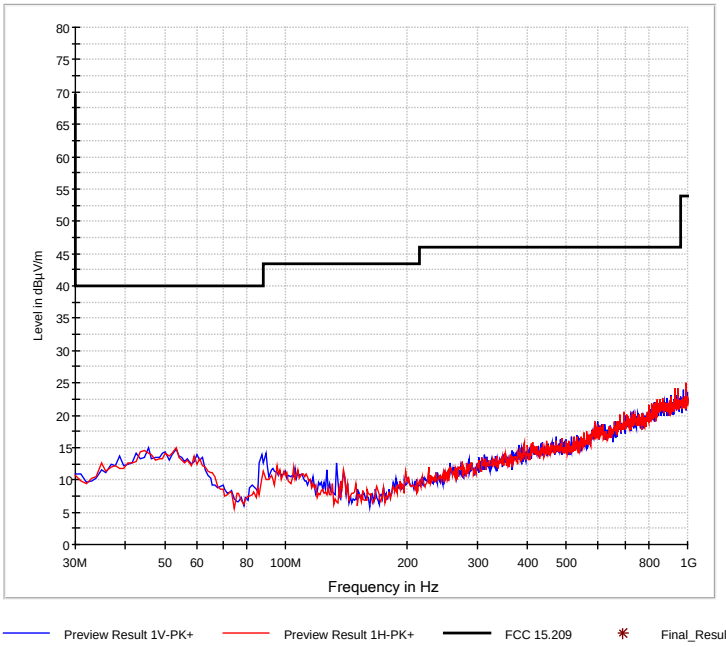

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

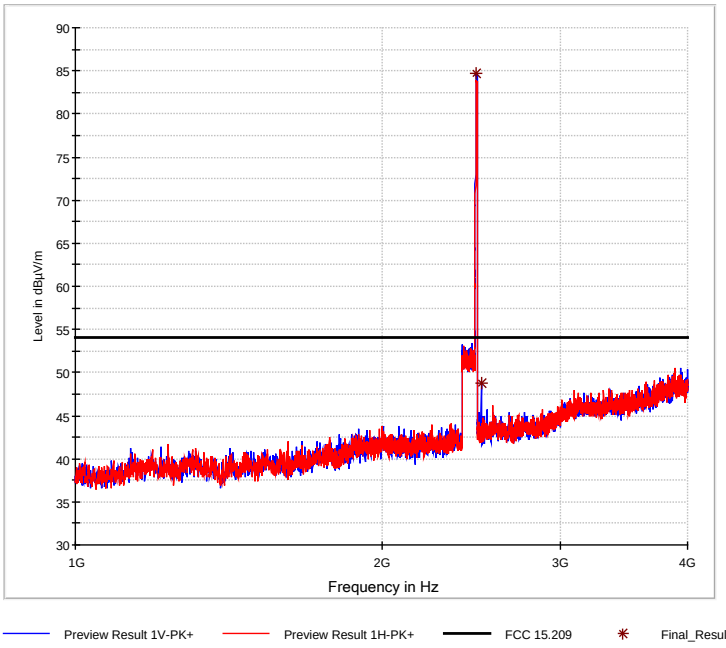

Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)

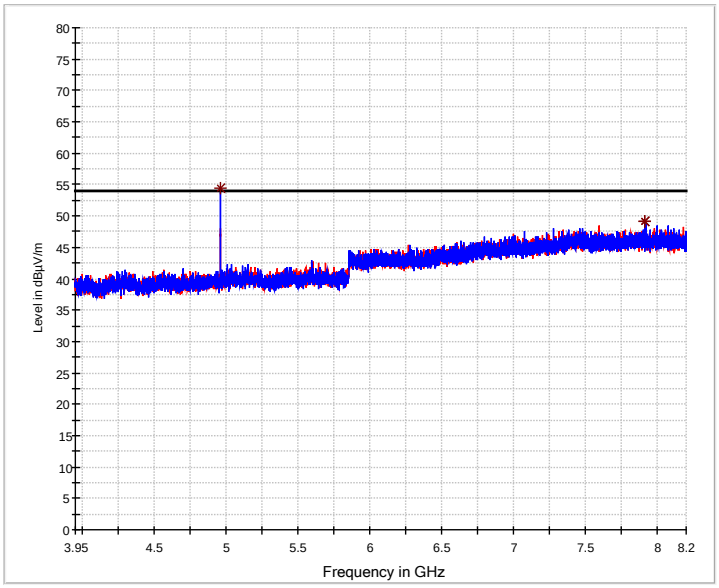

Pegel in dBµV/m
Frequenz in GHz
24,905500000 GHz
56,670 dBµV/m

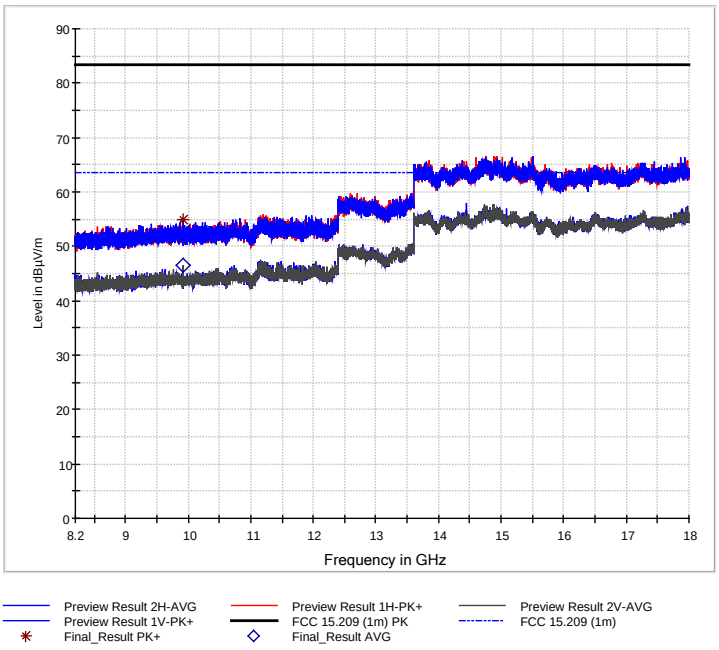

Pegel in dBµV/m
Frequenz in GHz
23,895750000 GHz
56,314 dBµV/m

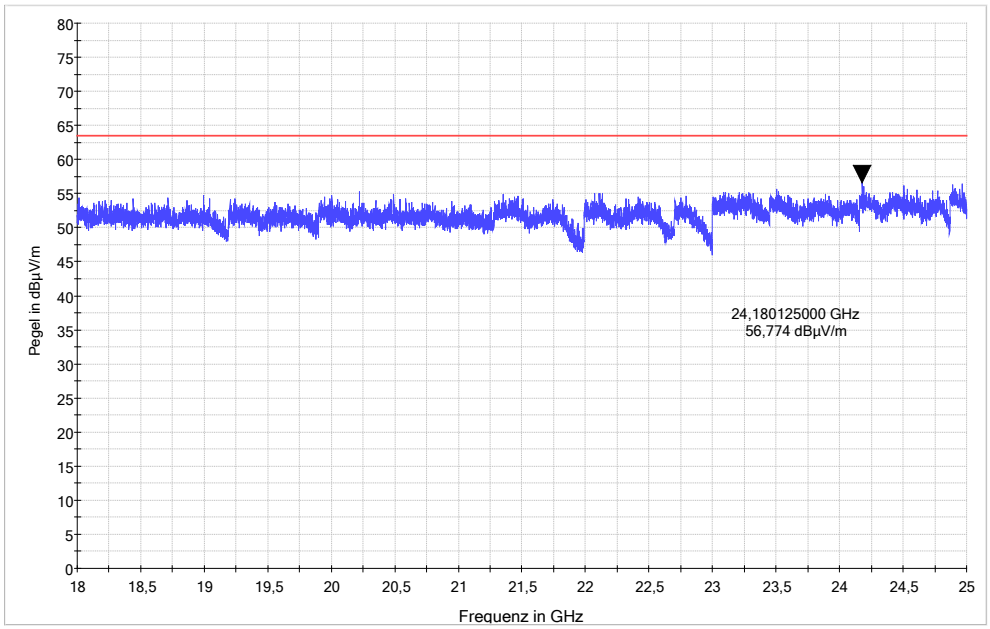
9.1.3.3 EUT in upright position:

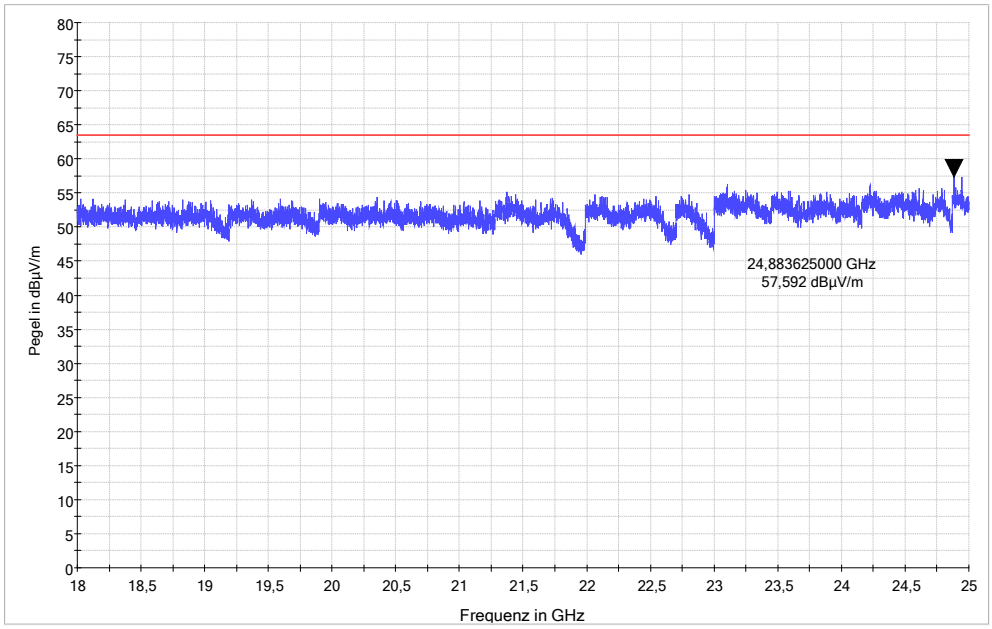





Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
MaxPeak-PK+
FCC 15.209
Final_Result PK+


Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.209 (1m) PK
FCC 15.209 (1m)
Final_Result PK+
Final_Result AVG

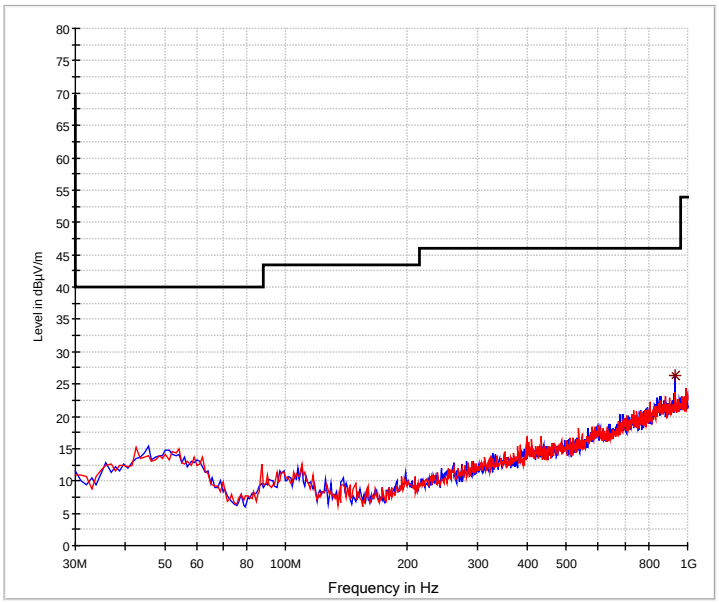

Pegel in dBµV/m
Frequenz in GHz
24,180125000 GHz
56,774 dBµV/m

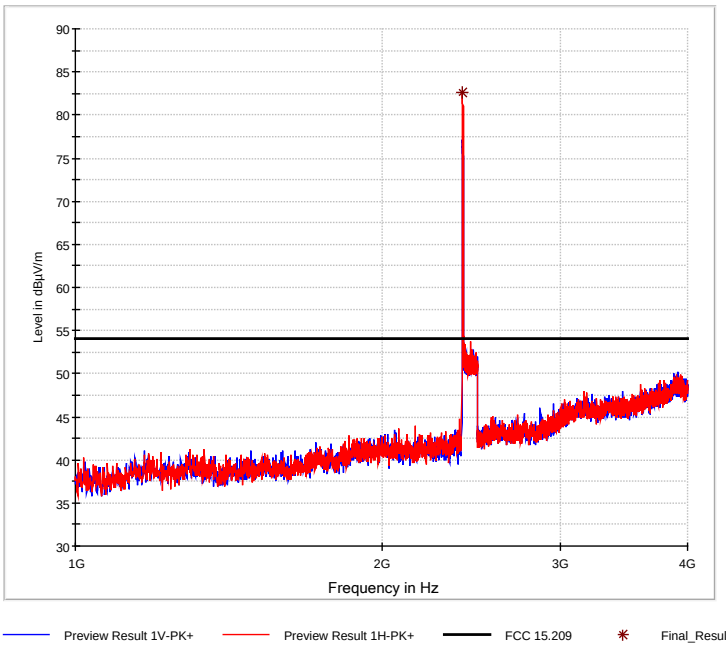

Pegel in dBµV/m
Frequenz in GHz
24,883625000 GHz
57,592 dBµV/m

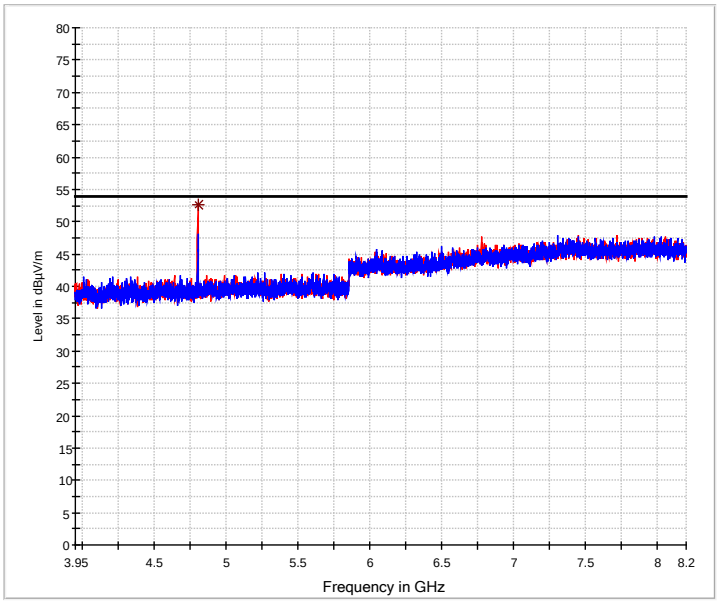
9.2 Test plots for Propritary radio

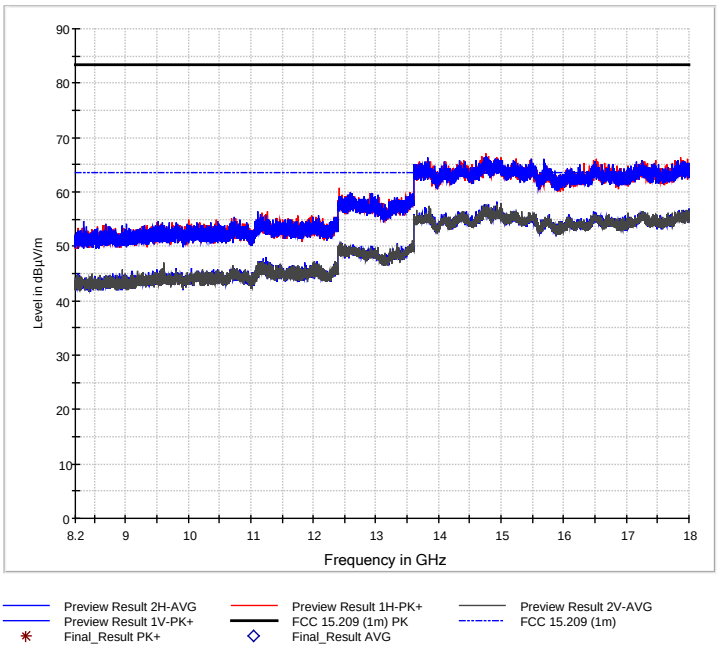
9.2.1 Lowest channel

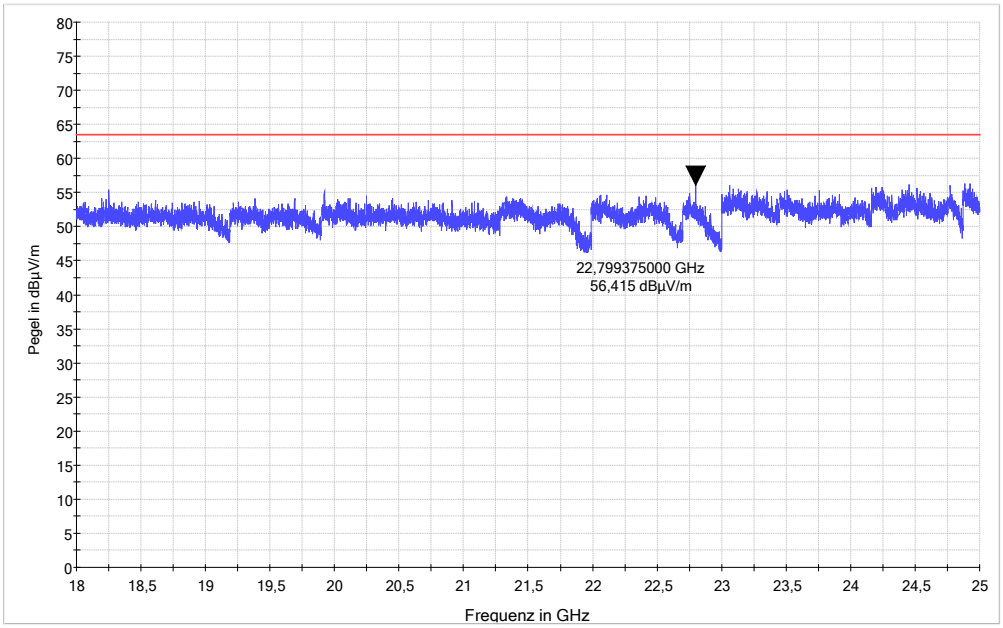
9.2.1.1 EUT flat on table

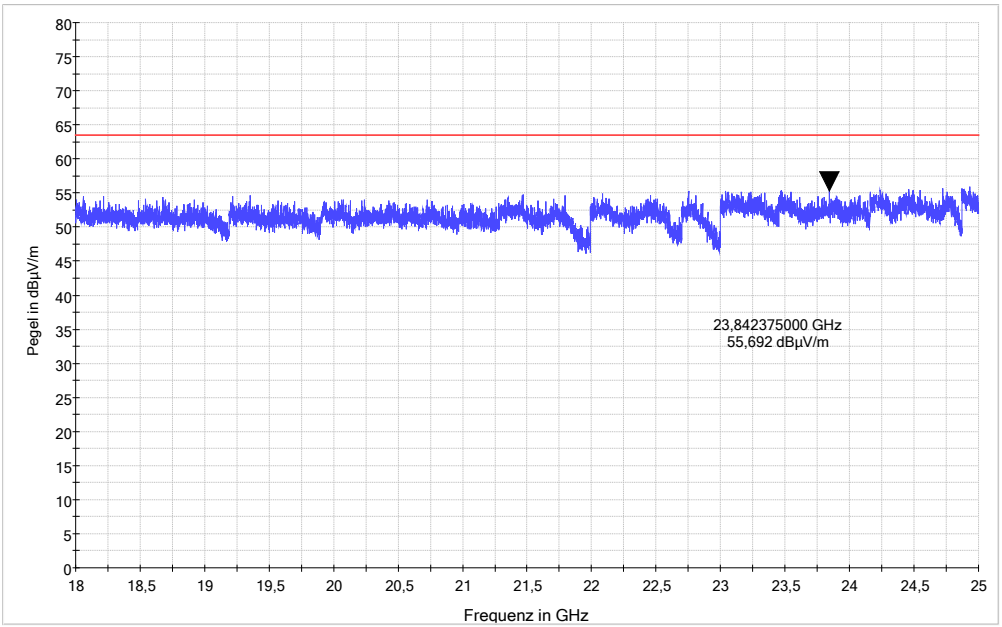




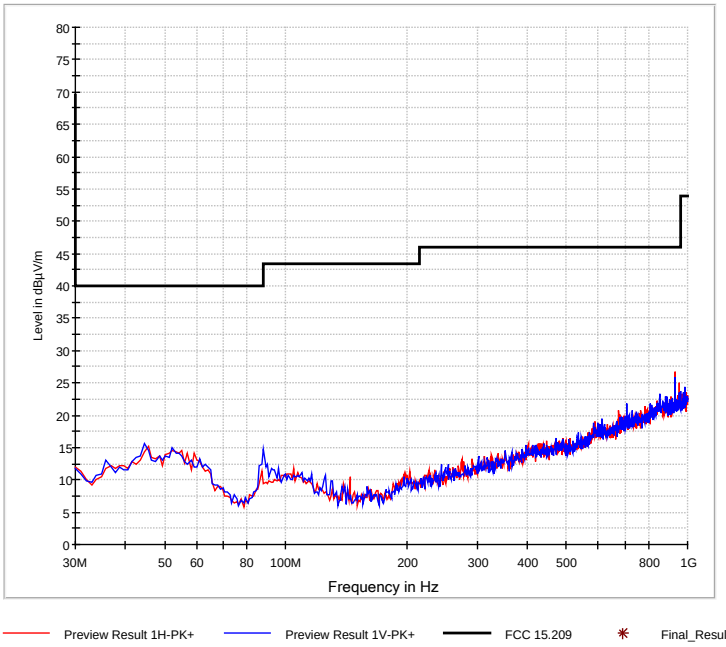

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

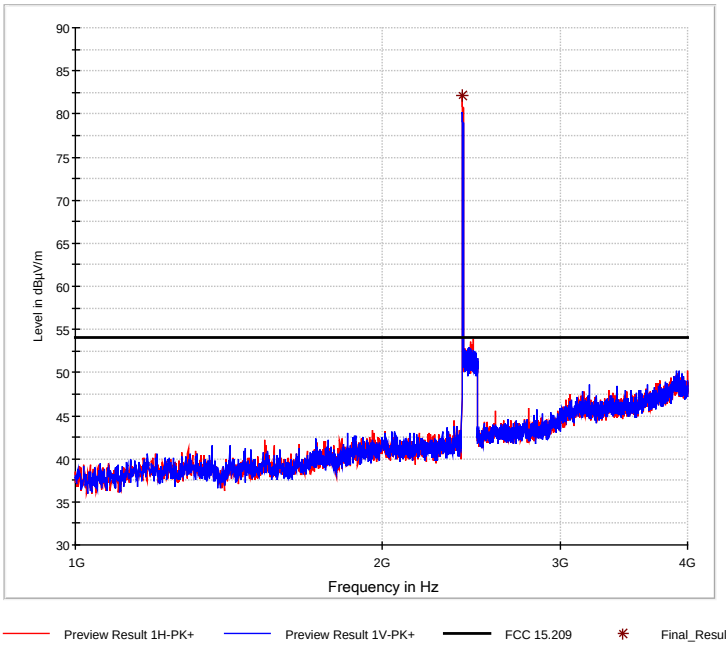

Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1V-PK+
Final_Result PK+
Preview Result 1H-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2V-AVG
FCC 15.209 (1m)

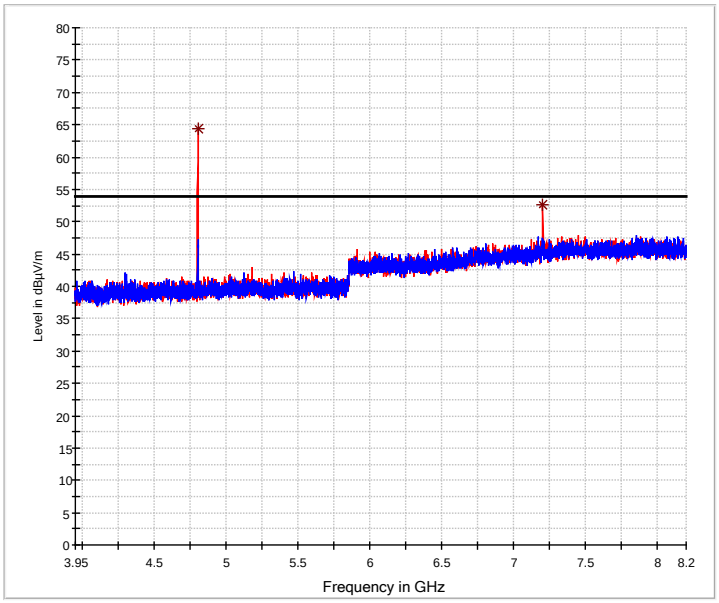

Pegel in dBµV/m
Frequenz in GHz
22,799375000 GHz
56,415 dBµV/m


Pegel in dBµV/m
Frequenz in GHz
23,842375000 GHz
55,692 dBµV/m

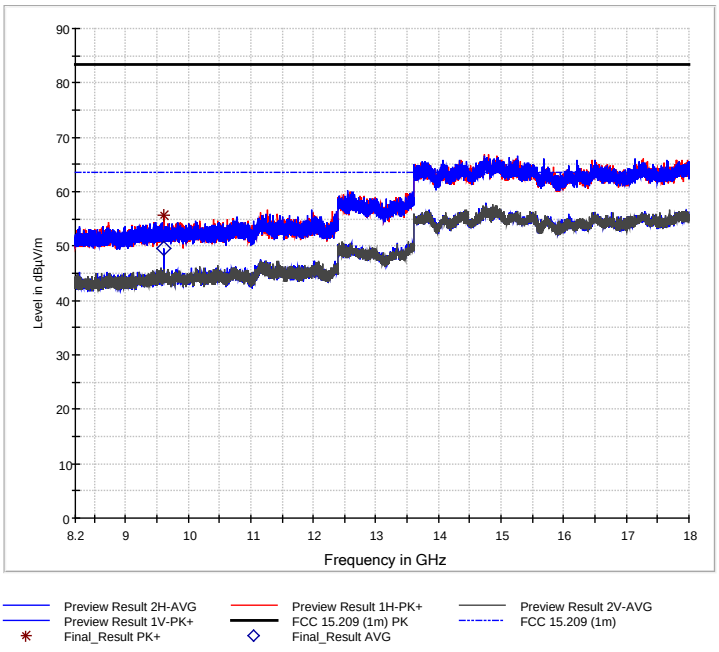
9.2.1.2 EUT on long side

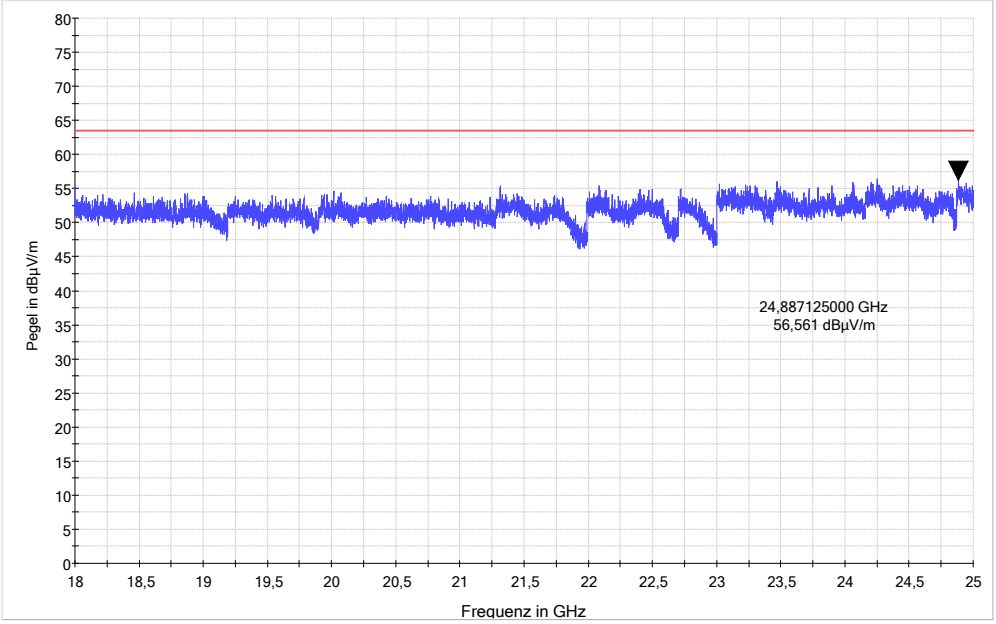


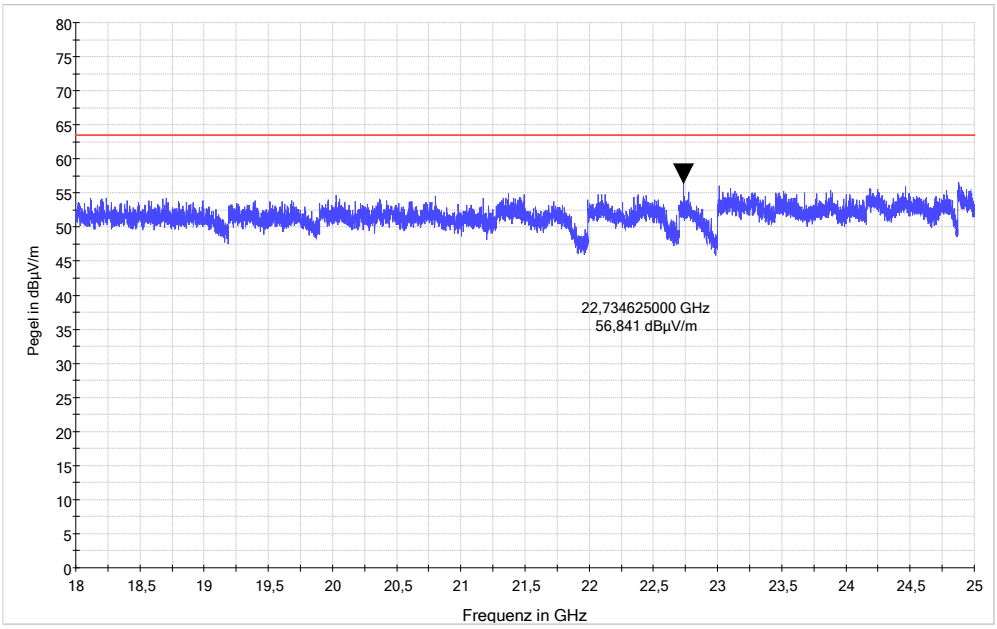




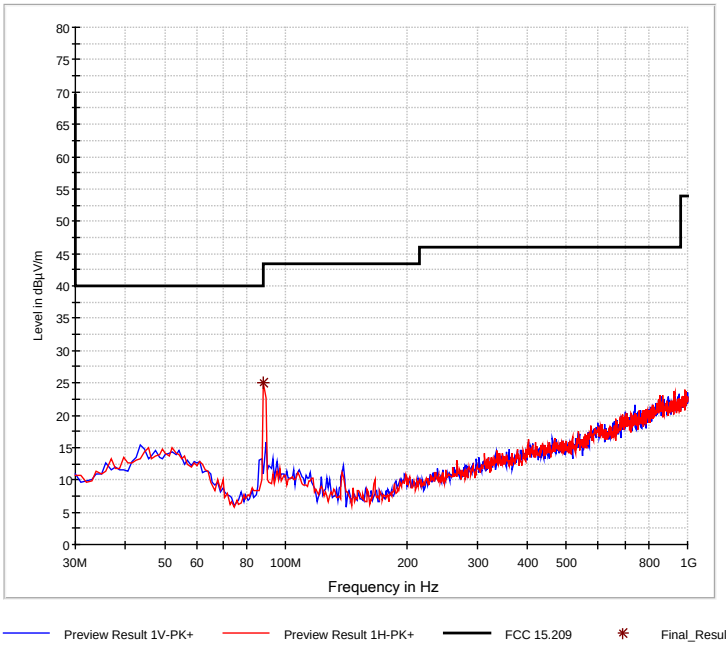
Nachmessen1!!

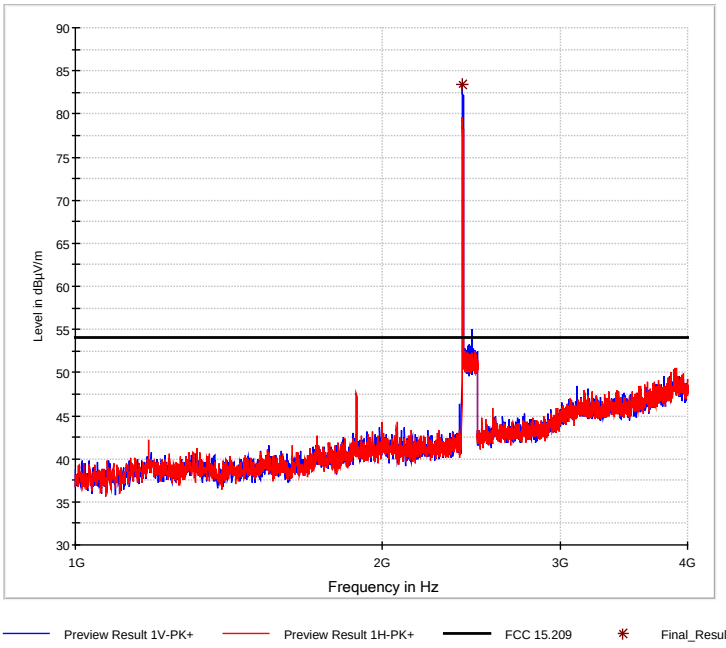


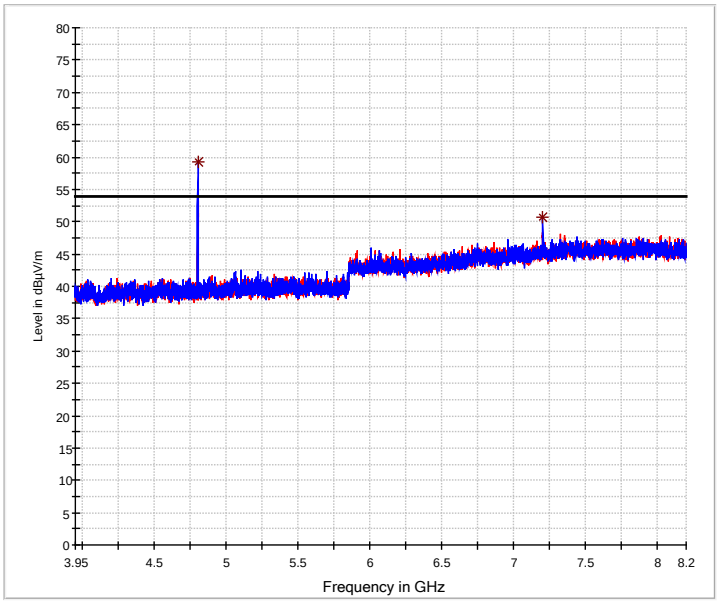

Pegel in dBµV/m
Frequenz in GHz
24,887125000 GHz
56,561 dBµV/m

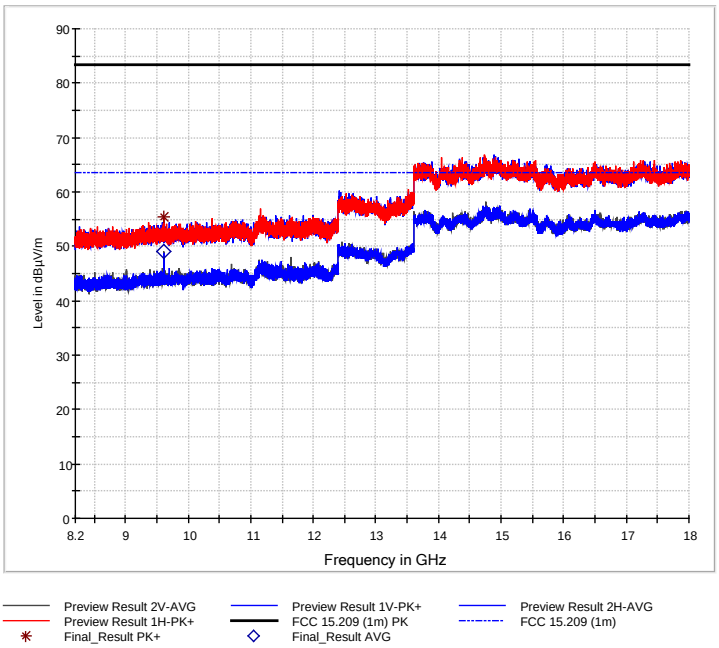

Pegel in dBµV/m
Frequenz in GHz
22,734625000 GHz
56,841 dBµV/m

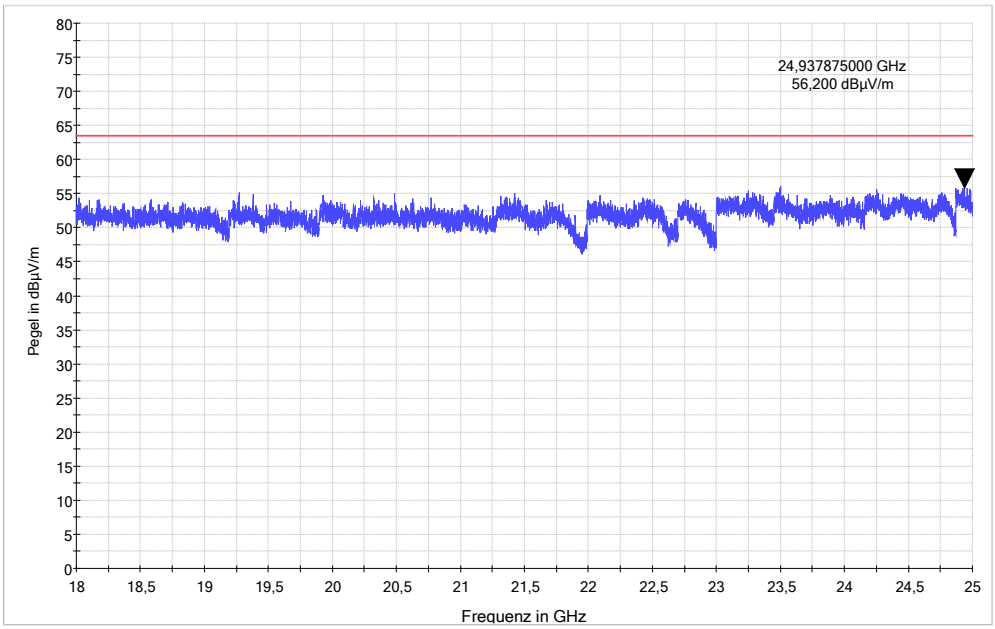
9.2.1.3 EUT in upright position:

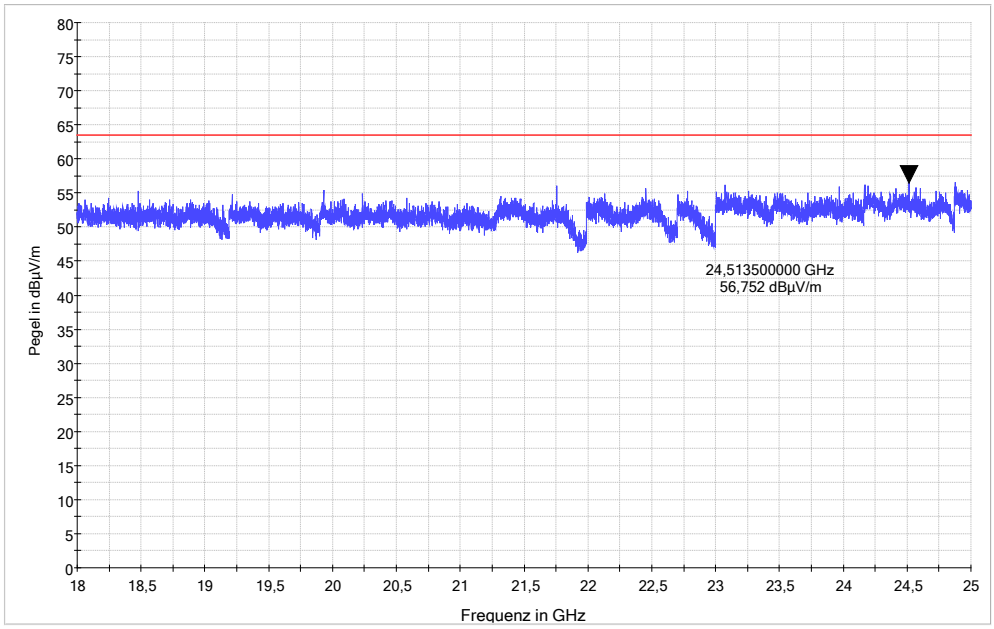





Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

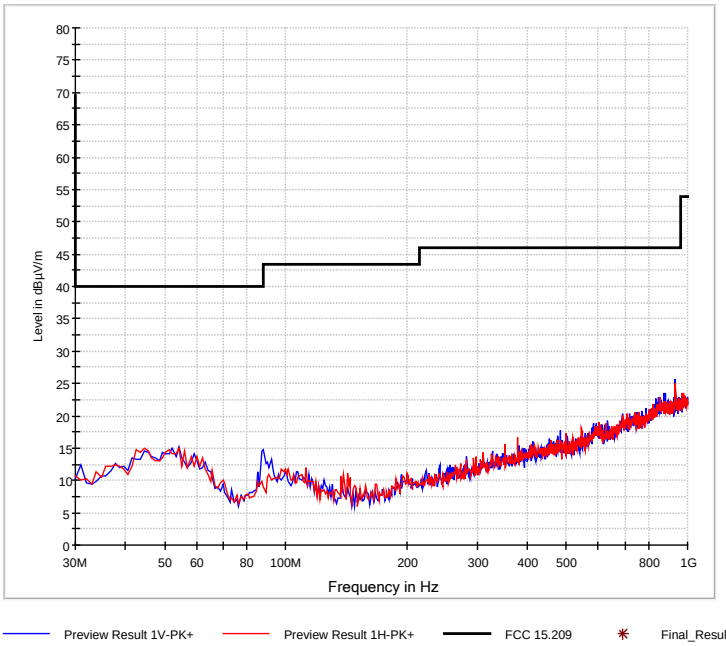

Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)

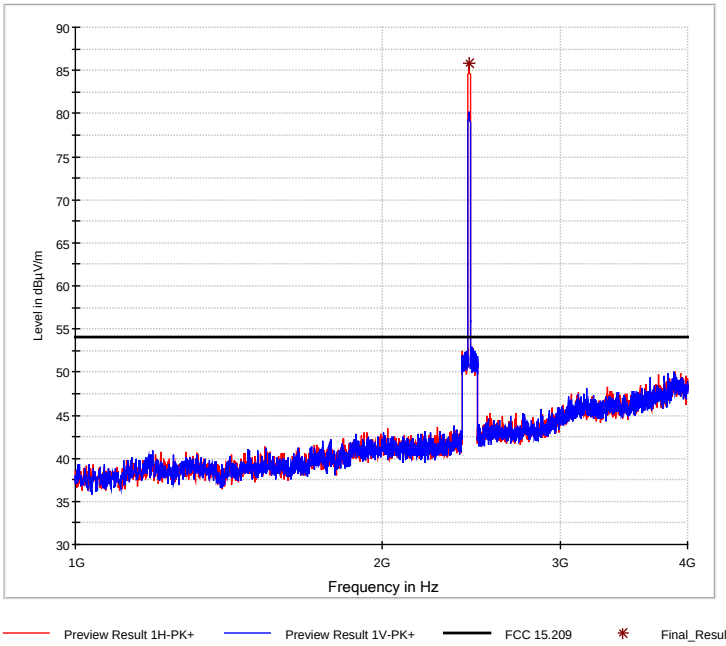

24,937875000 GHz
56,200 dBµV/m
Pegel in dBµV/m
Frequenz in GHz

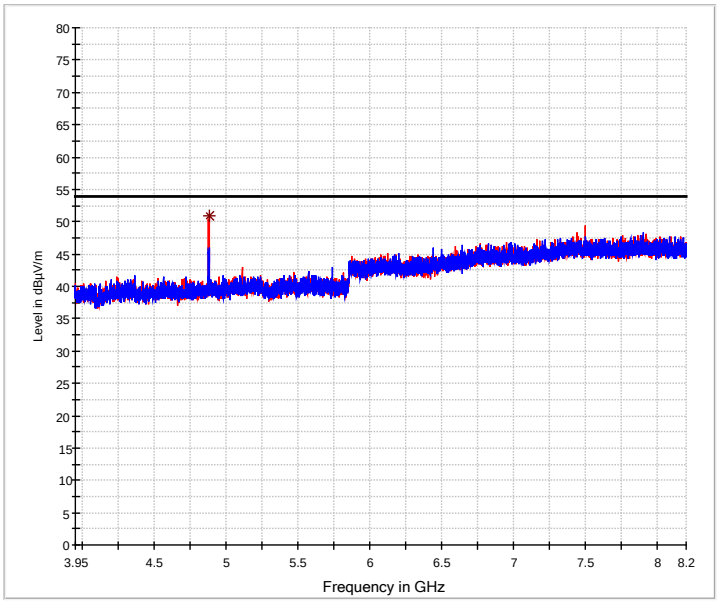

24,513500000 GHz
56,752 dBµV/m
Pegel in dBµV/m
Frequenz in GHz

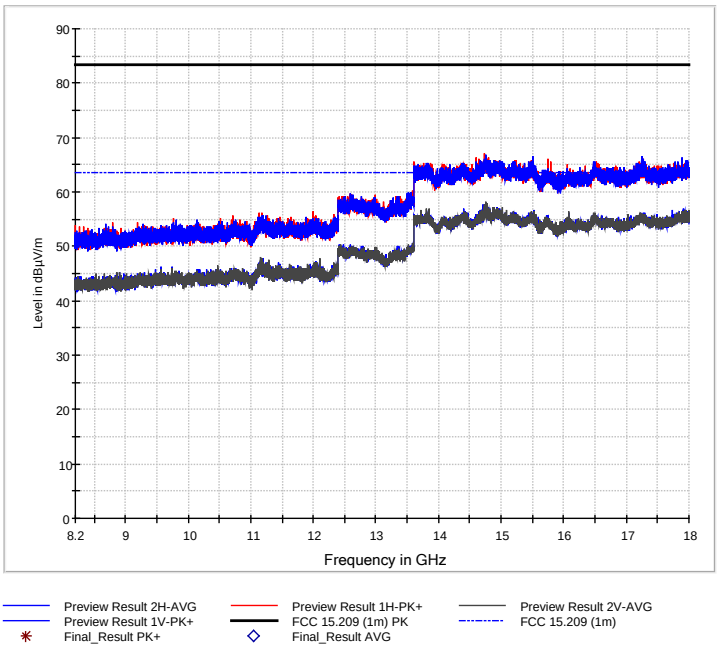
9.2.2 Middle channel

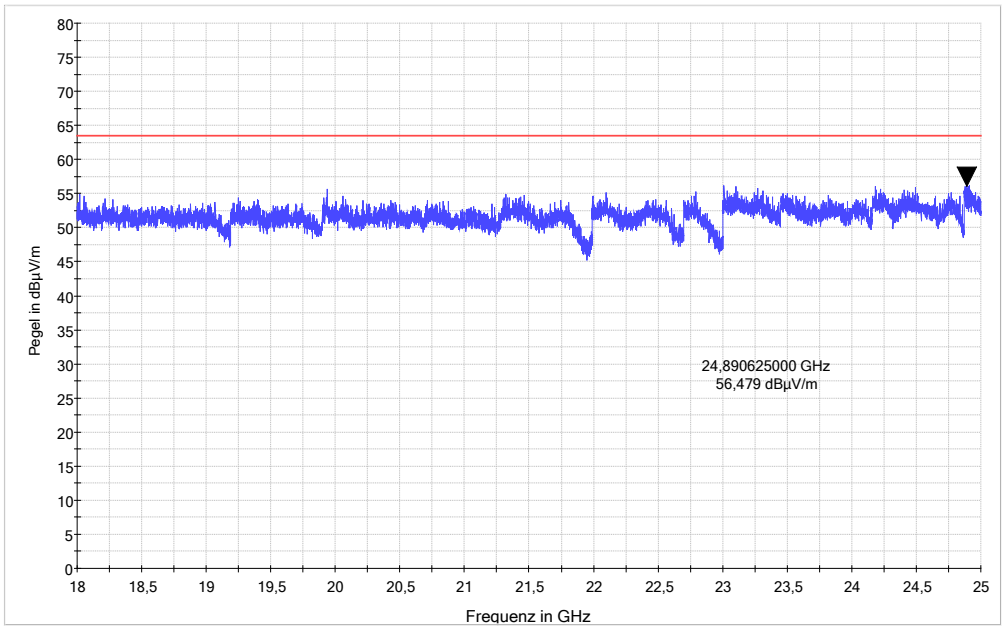
9.2.2.1 EUT flat on table:

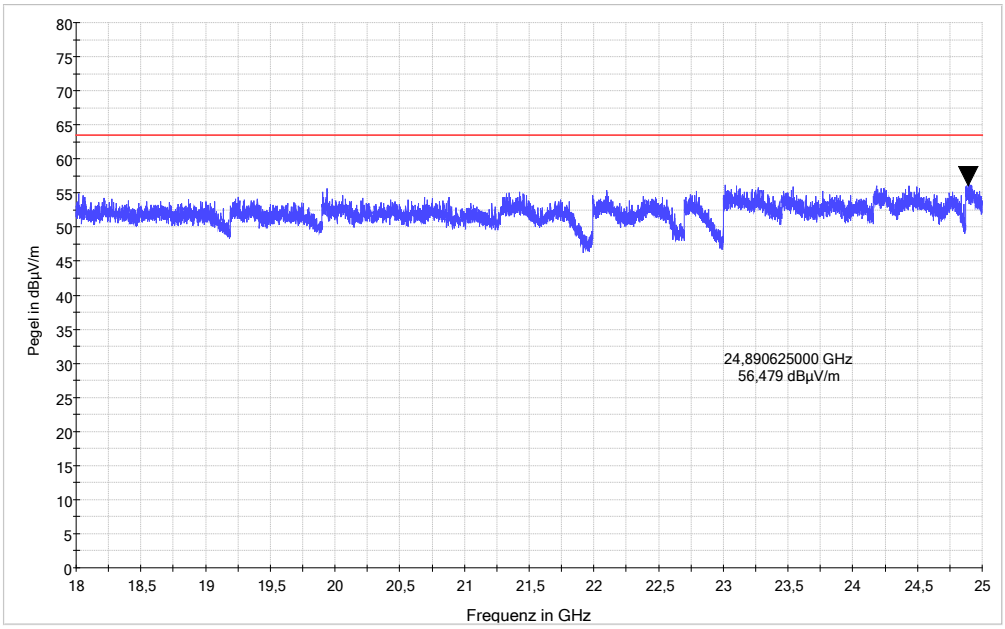




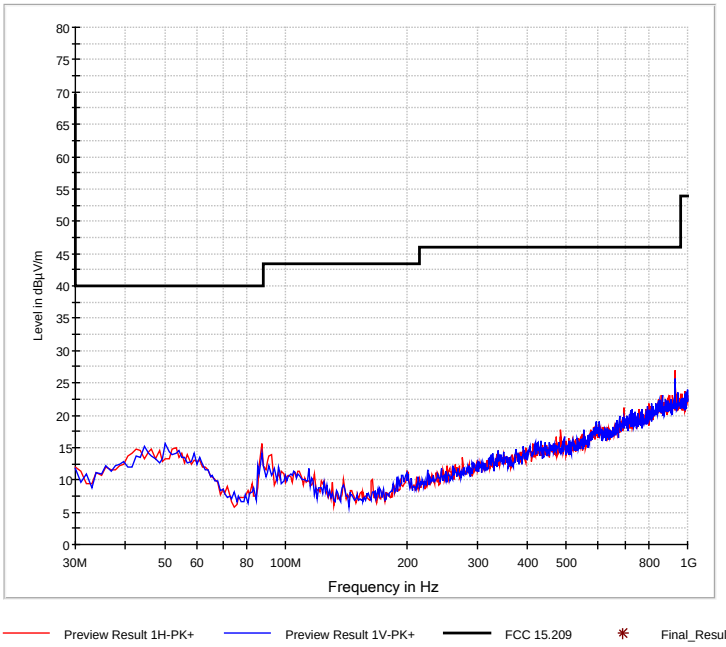

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

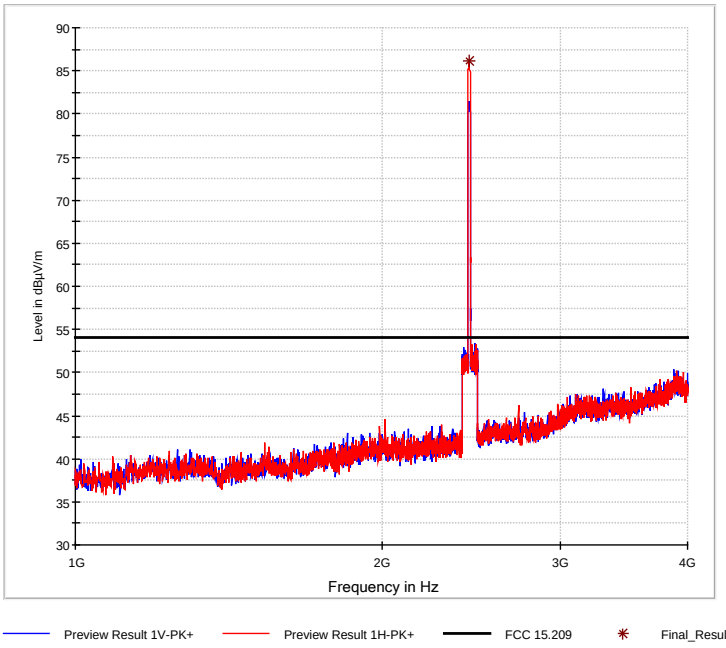

Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1V-PK+
Final_Result PK+
Preview Result 1H-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2V-AVG
FCC 15.209 (1m)

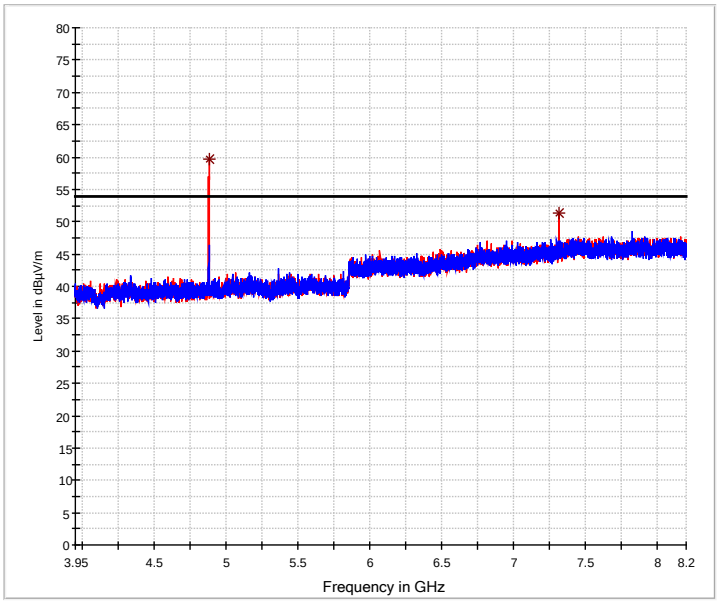

Pegel in dBµV/m
Frequenz in GHz
24,890625000 GHz
56,479 dBµV/m

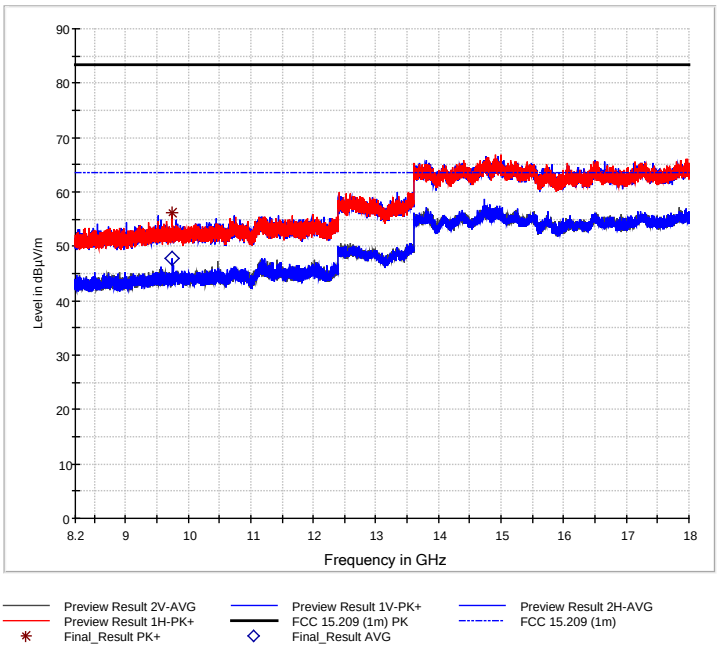

Pegel in dBµV/m
Frequenz in GHz
24,890625000 GHz
56,479 dBµV/m

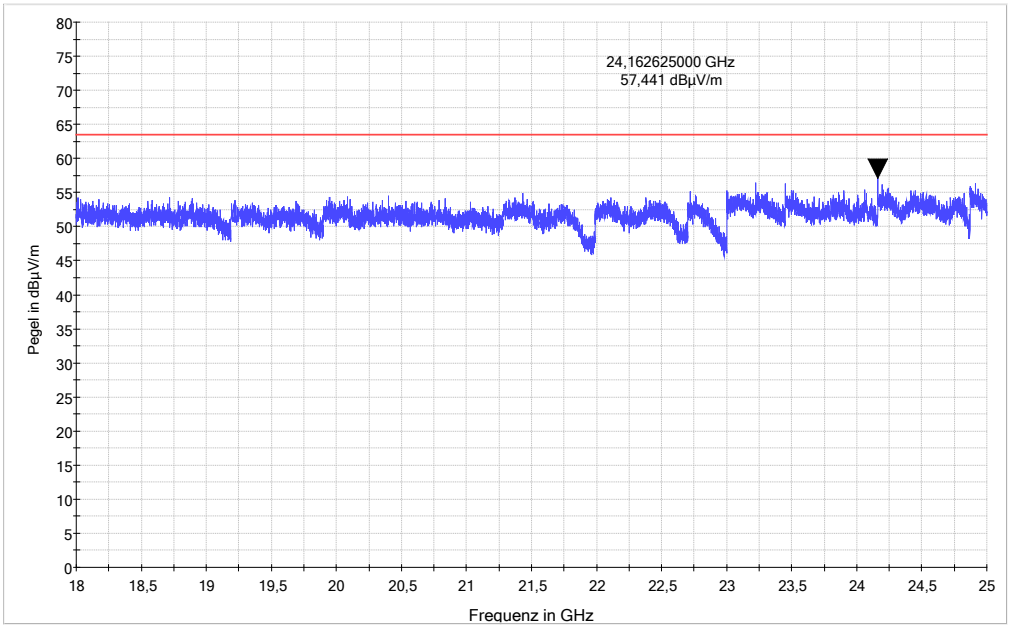
9.2.2.2 EUT on long side:

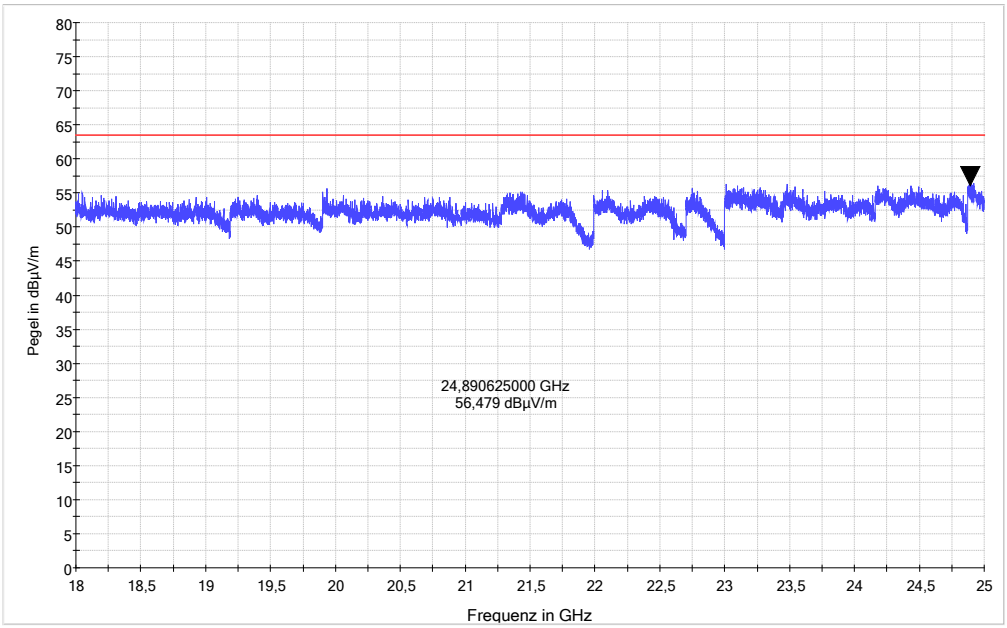





Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

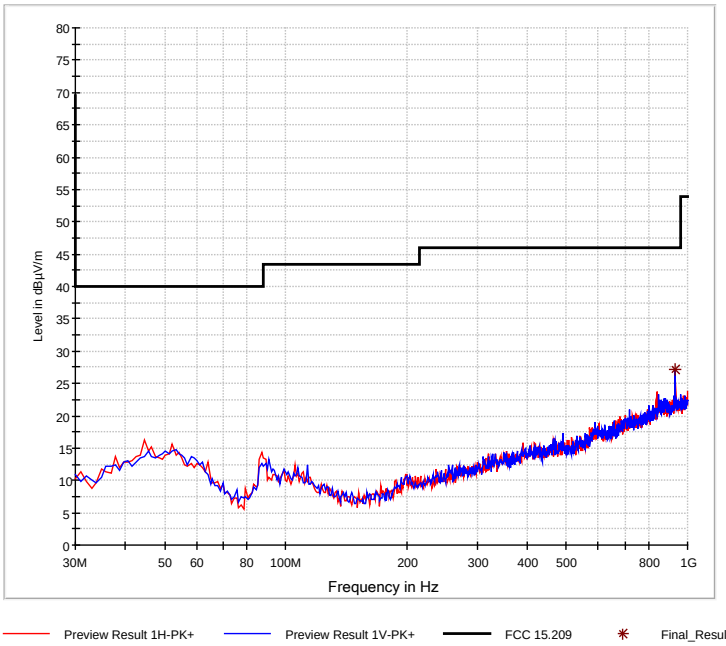

Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)

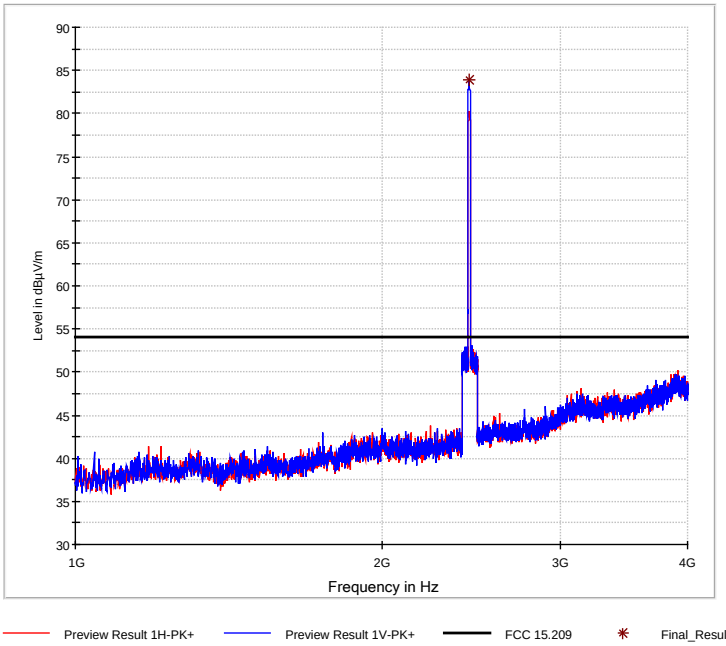

24,162625000 GHz
57,441 dBµV/m
Pegel in dBµV/m
Frequenz in GHz
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
18
18,5
19
19,5
20
20,5
21
21,5
22
22,5
23
23,5
24
24,5
25

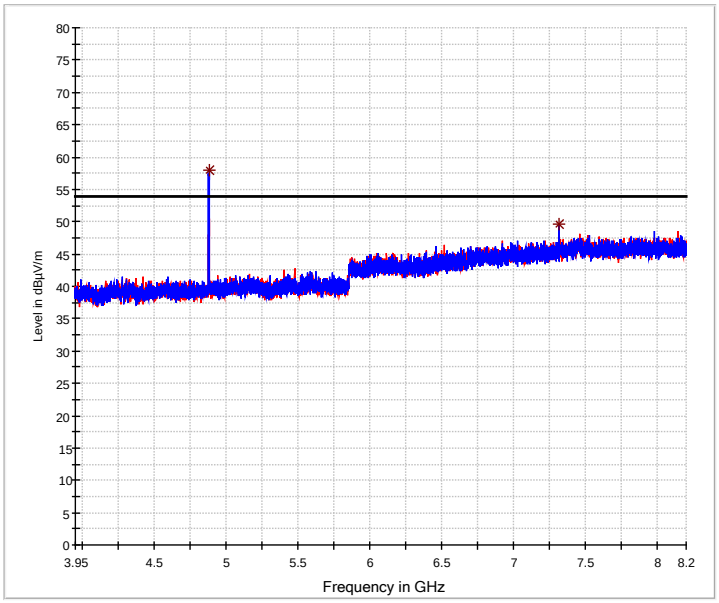

24,890625000 GHz
56,479 dBµV/m
Pegel in dBµV/m
Frequenz in GHz
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
18
18,5
19
19,5
20
20,5
21
21,5
22
22,5
23
23,5
24
24,5
25

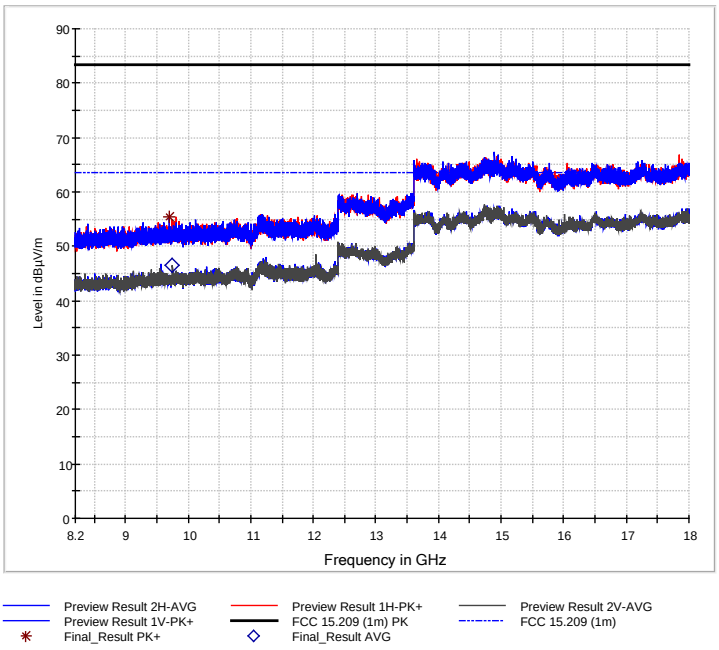
9.2.3 Middle channel

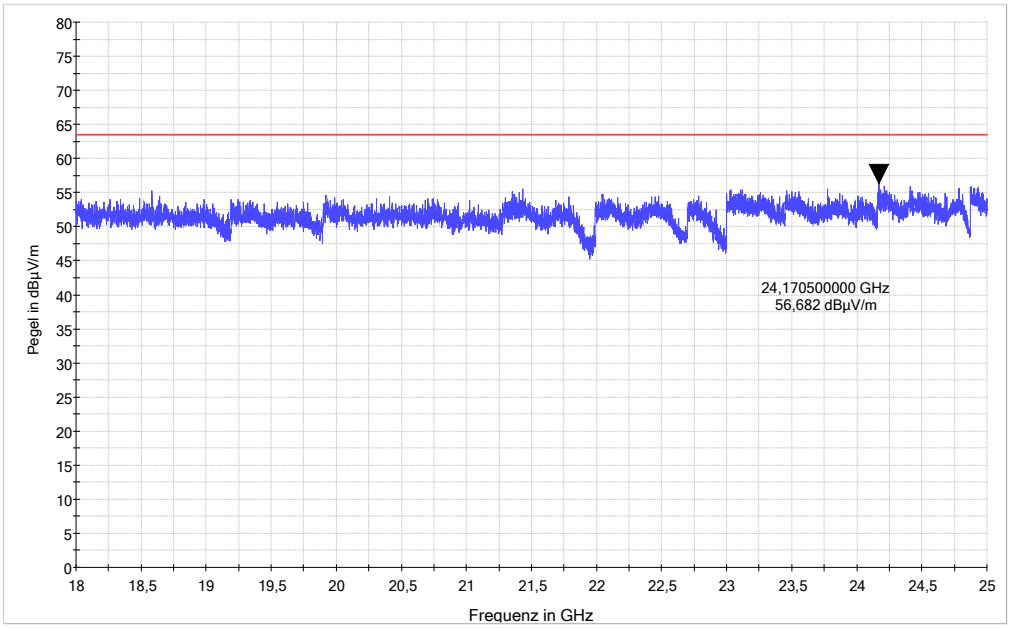
9.2.3.1 EUT in upright position

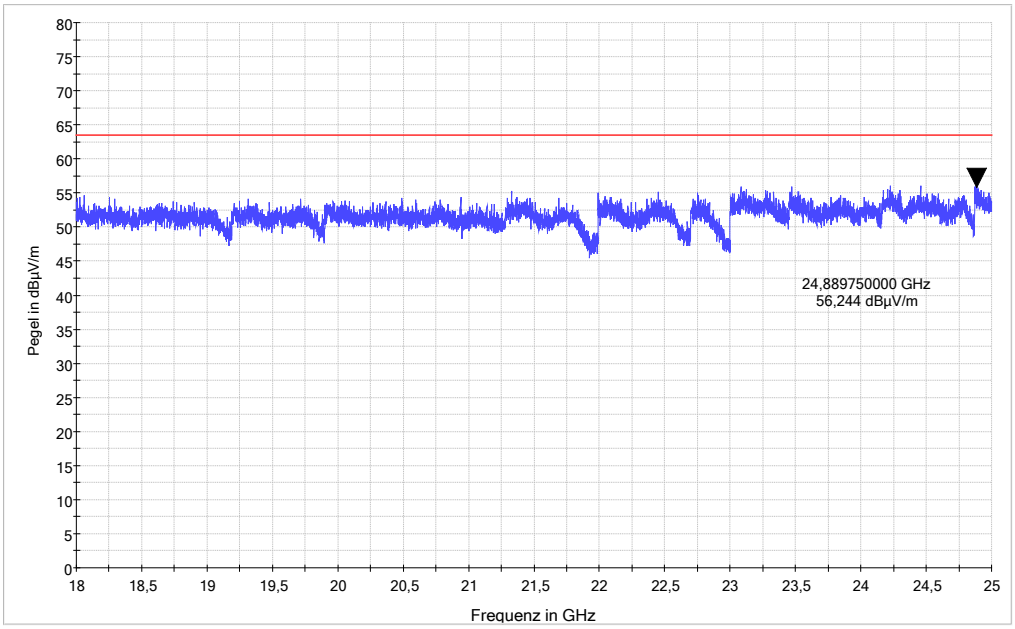





Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK+

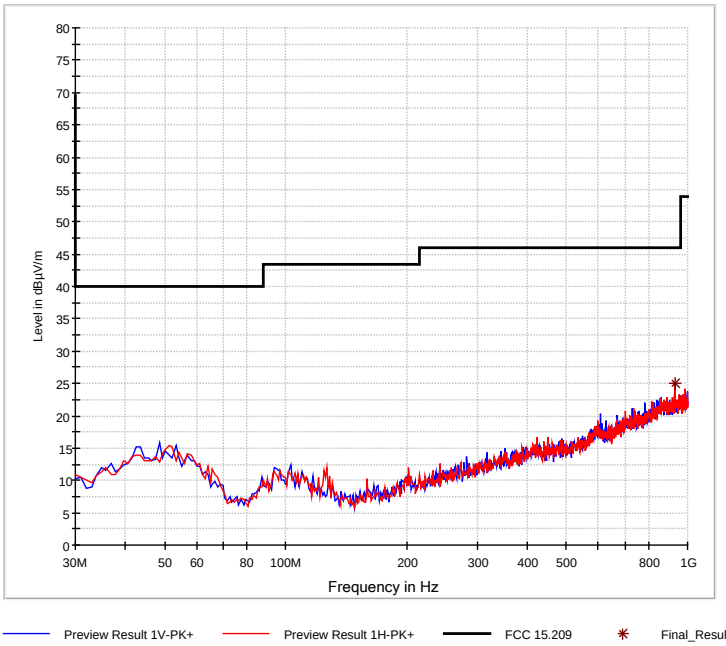

Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1V-PK+
Final_Result PK+
Preview Result 1H-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2V-AVG
FCC 15.209 (1m)

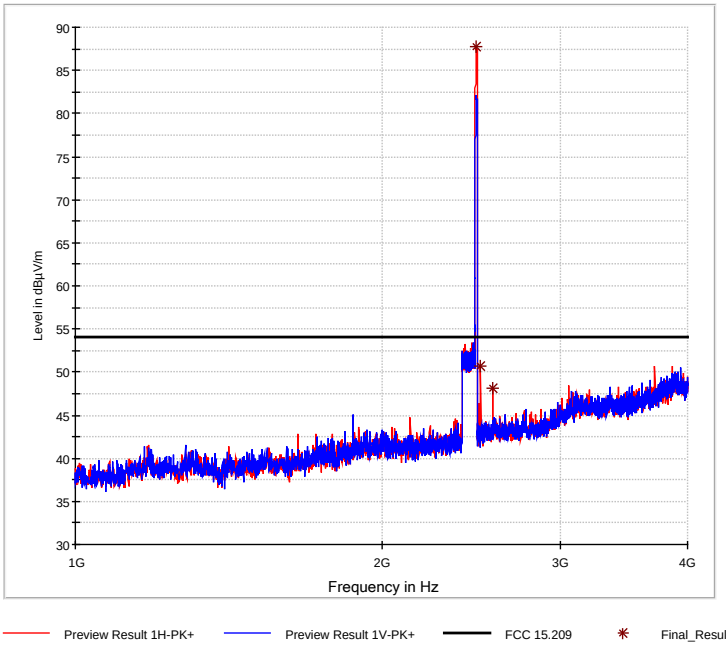

Pegel in dBµV/m
Frequenz in GHz
24,170500000 GHz
56,682 dBµV/m

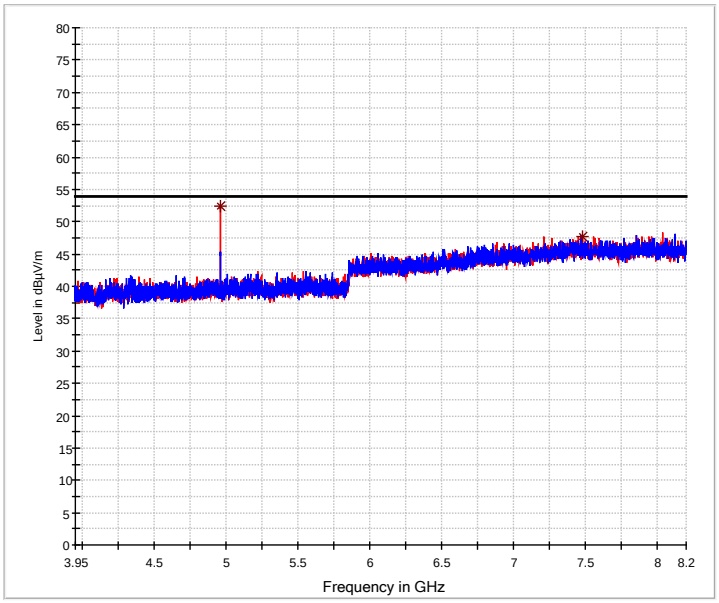

Pegel in dBµV/m
Frequenz in GHz
24,889750000 GHz
56,244 dBµV/m

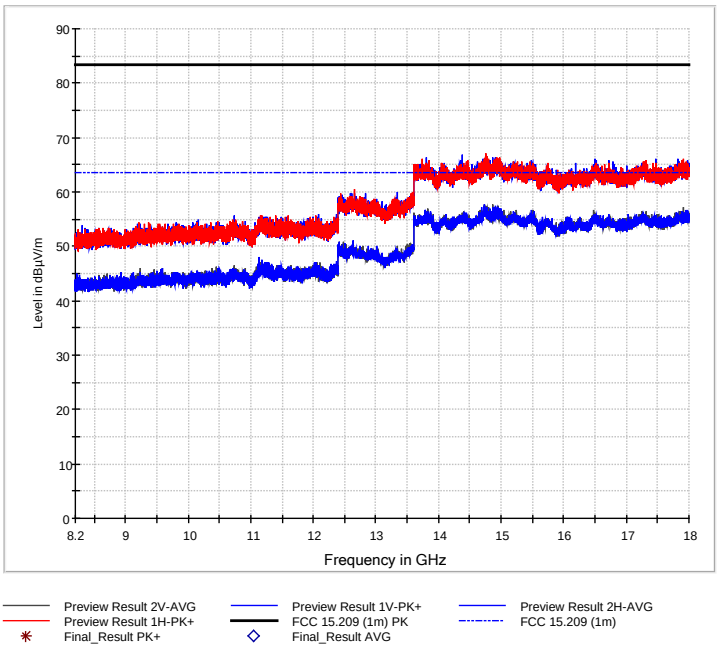
9.2.4 Highest channel

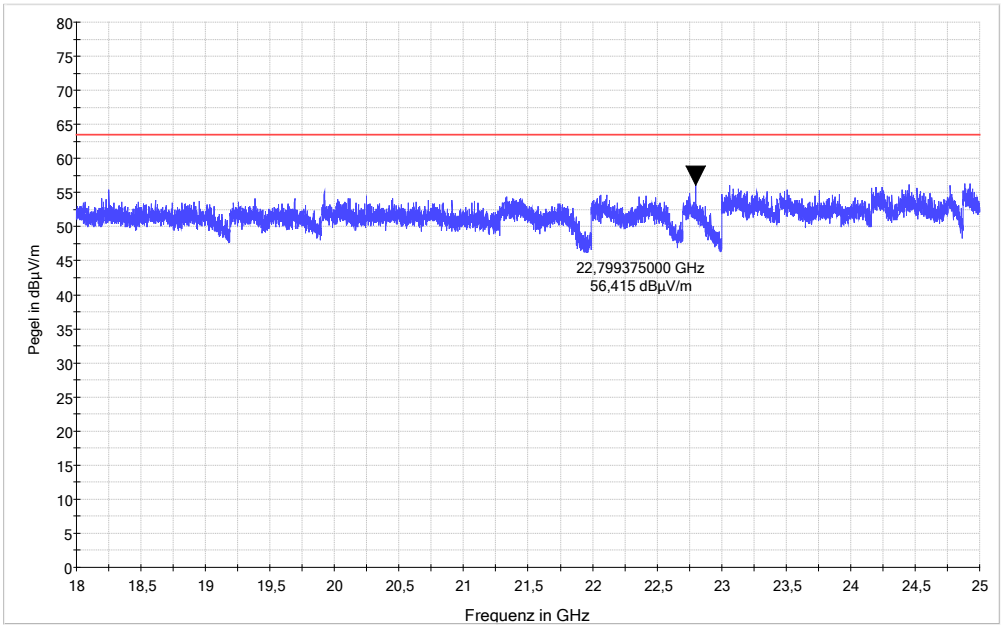
9.2.4.1 EUT flat on table

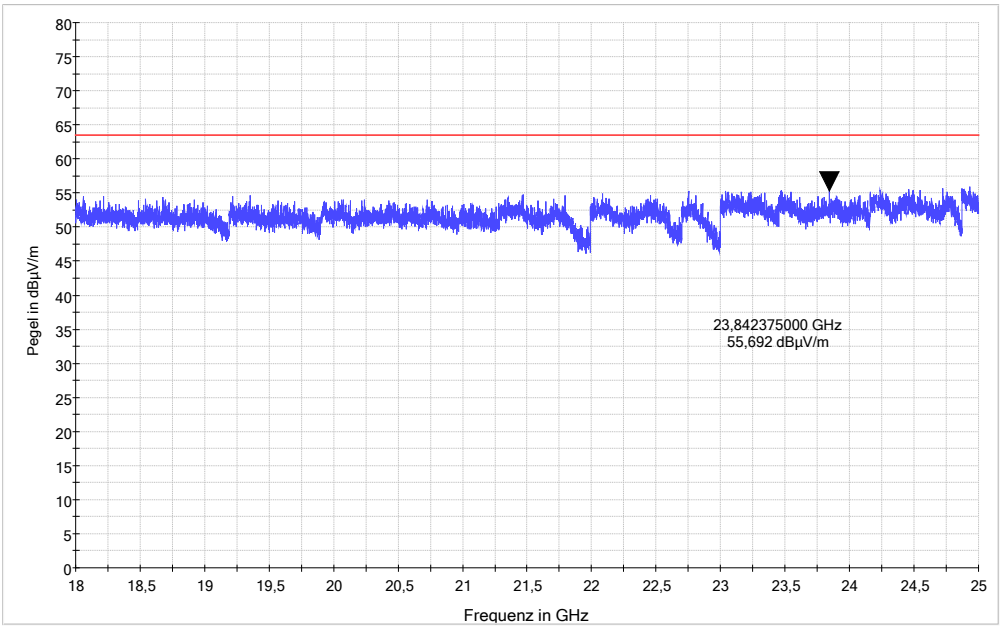




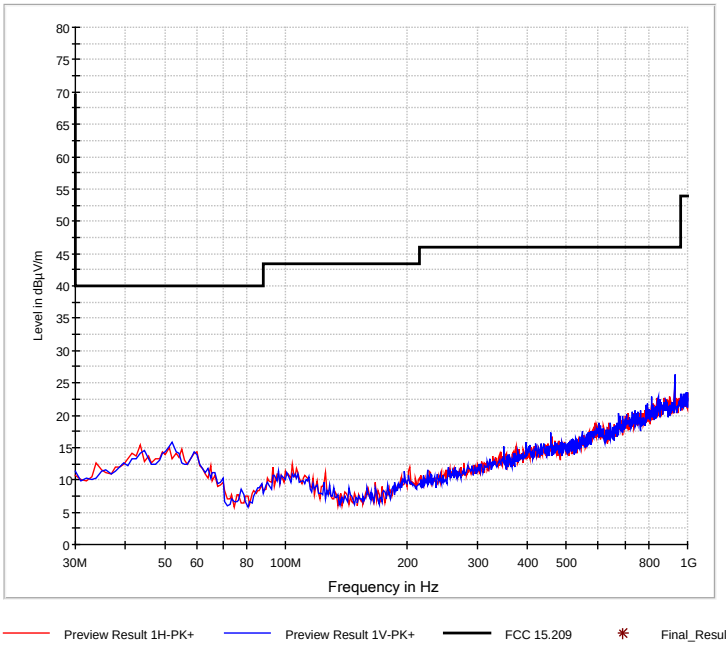

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

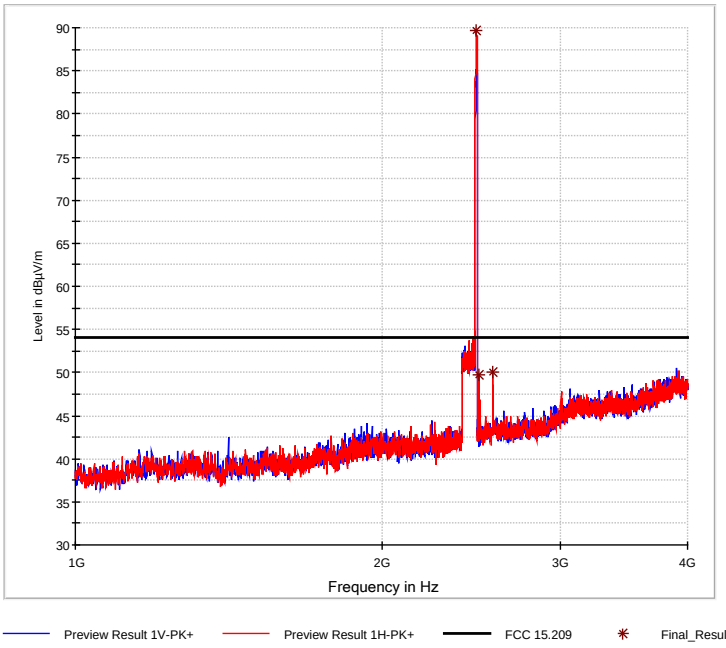

Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)

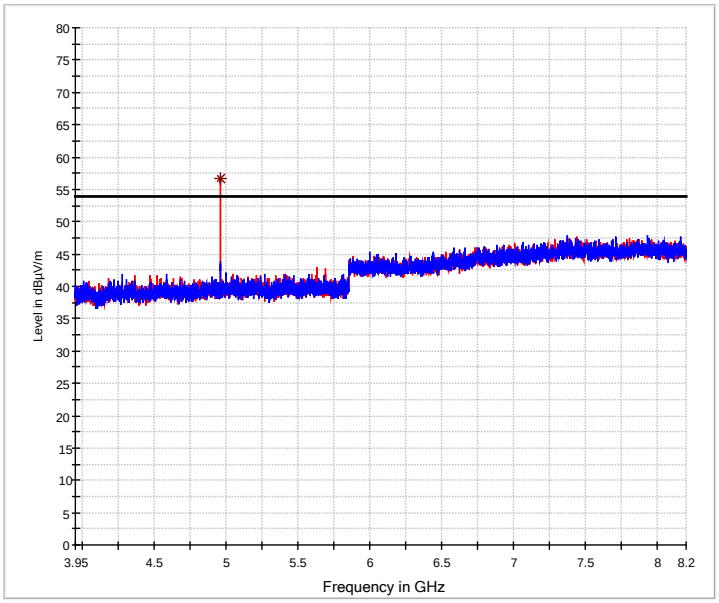

Pegel in dBµV/m
Frequenz in GHz
22,799375000 GHz
56,415 dBµV/m

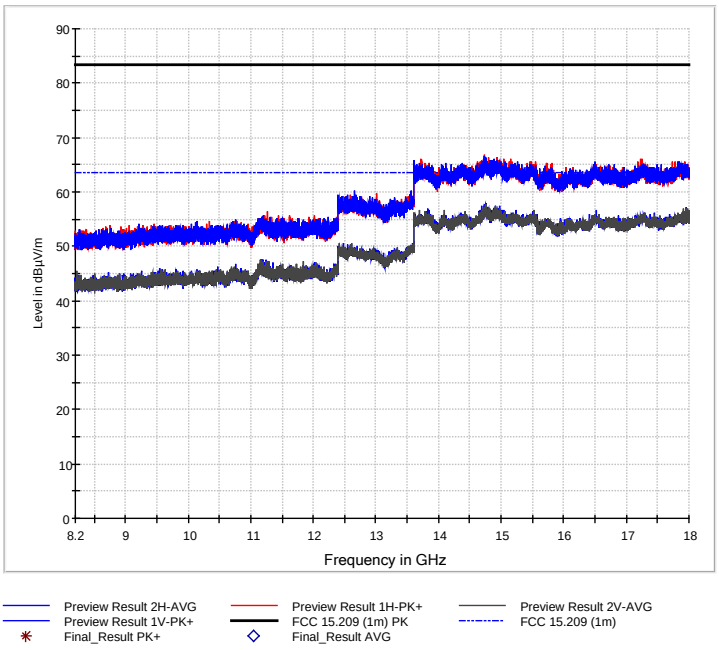

Pegel in dBµV/m
Frequenz in GHz
23,842375000 GHz
55,692 dBµV/m

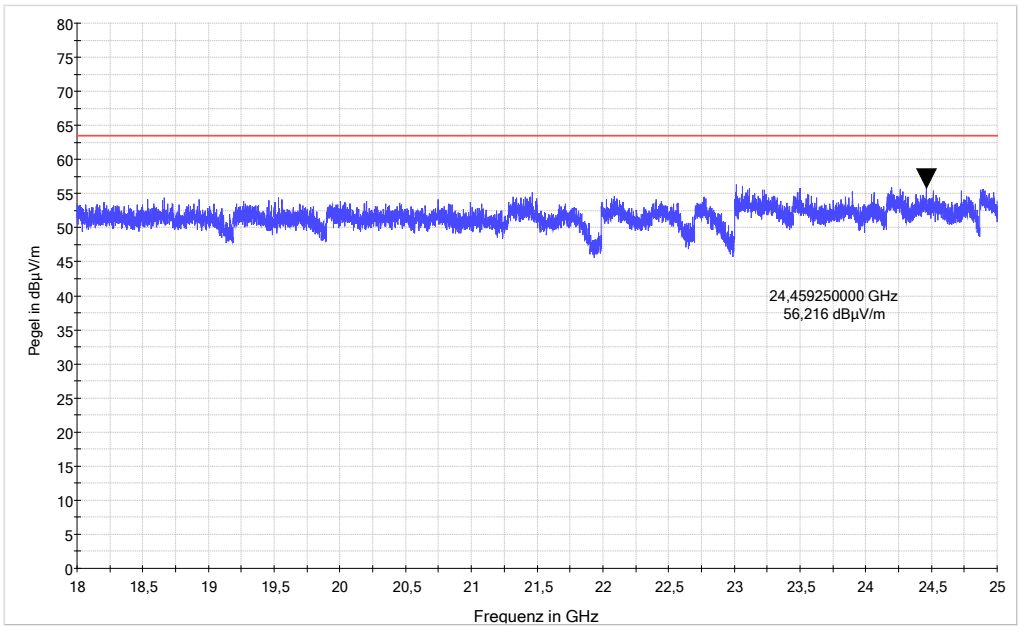
9.2.4.2 EUT on long side:

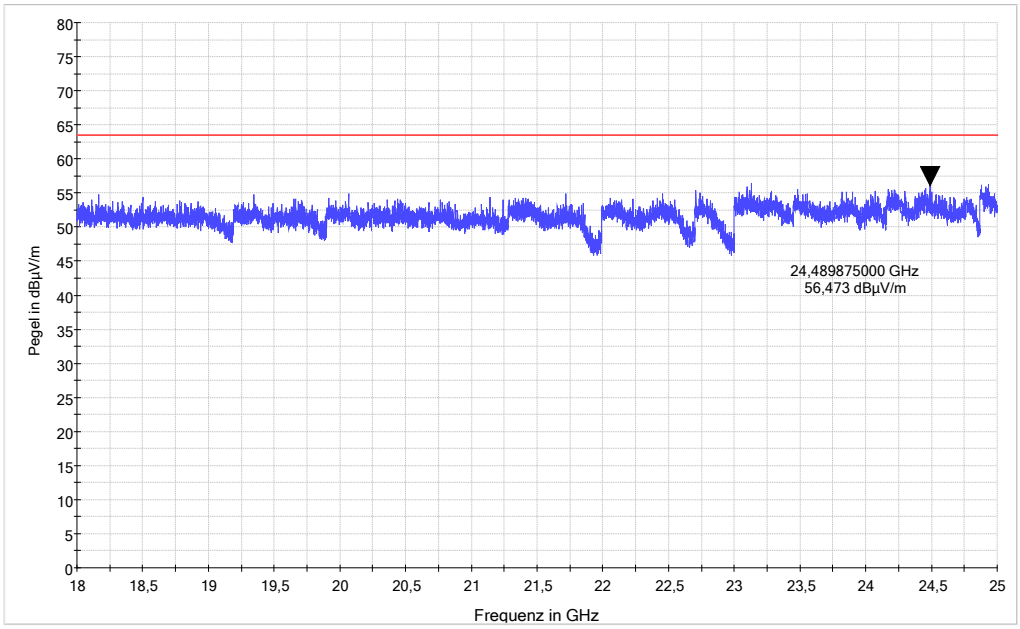




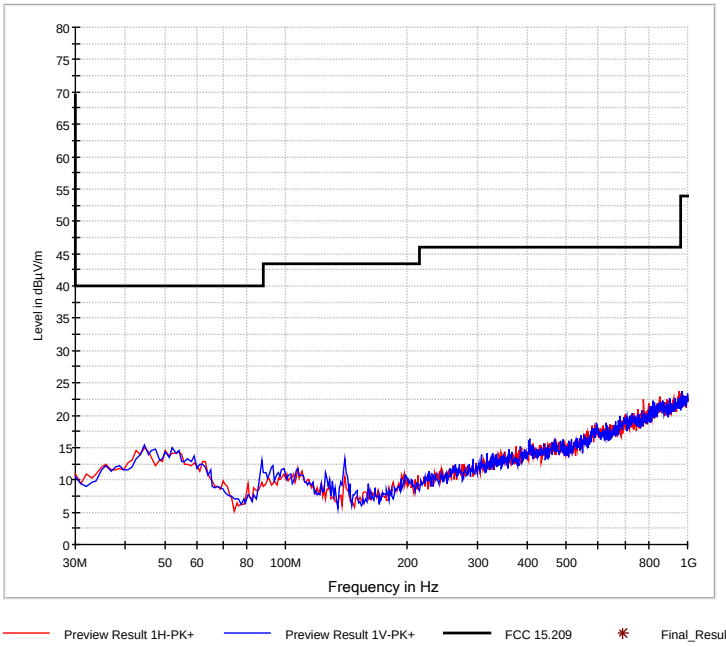

Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK

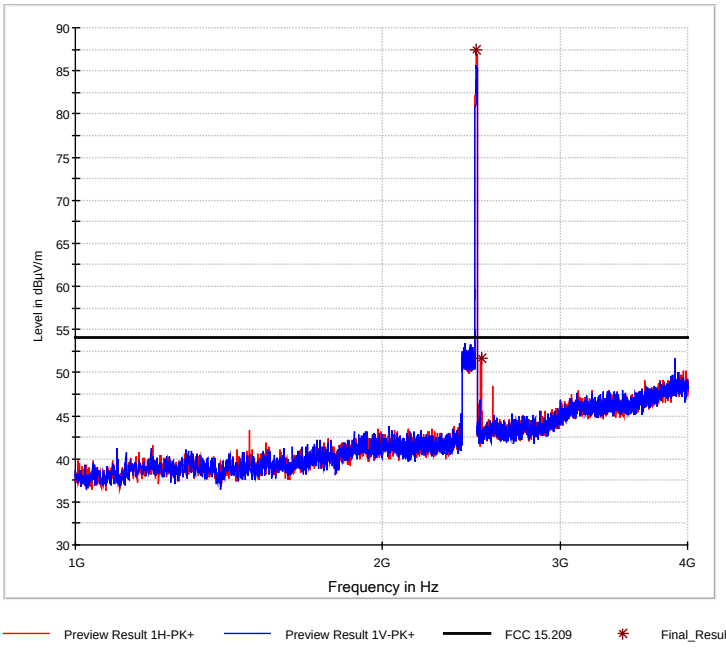

Level in dBµV/m
Frequency in GHz
Preview Result 2H-AVG
Preview Result 1V-PK+
Final_Result PK+
Preview Result 1H-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2V-AVG
FCC 15.209 (1m)

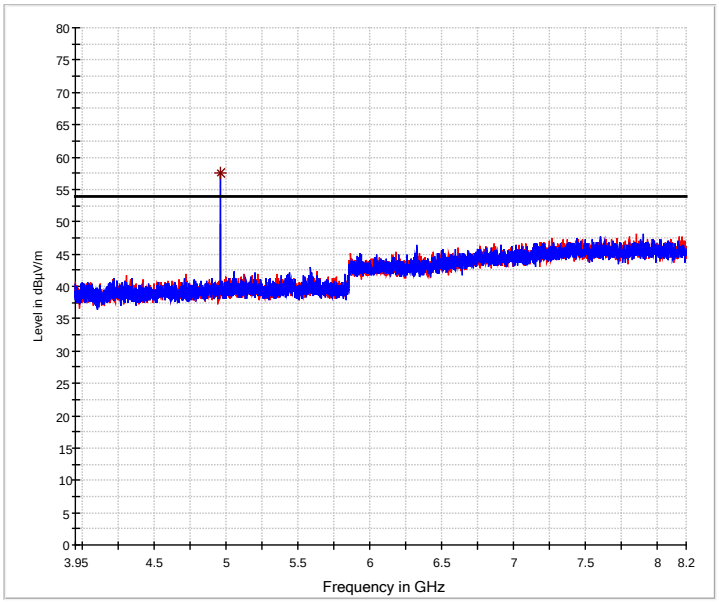

Pegel in dBµV/m
Frequenz in GHz
24,459250000 GHz
56,216 dBµV/m

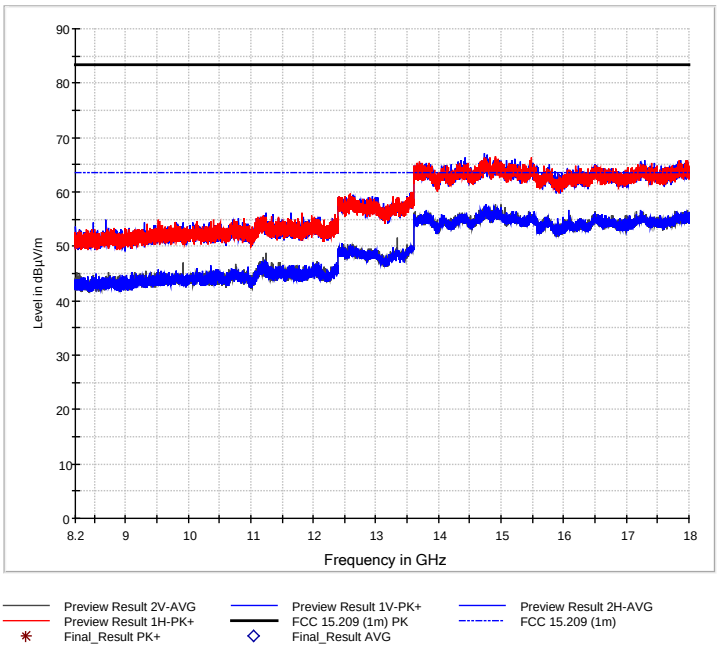

Pegel in dBµV/m
Frequenz in GHz
24,489875000 GHz
56,473 dBµV/m

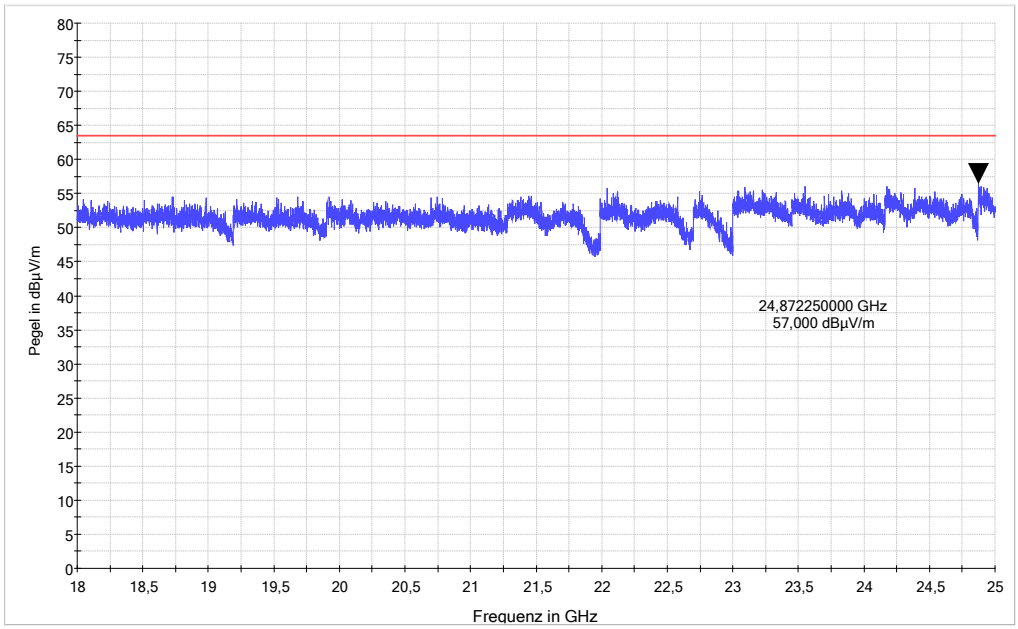
9.2.4.3 EUT in upright position

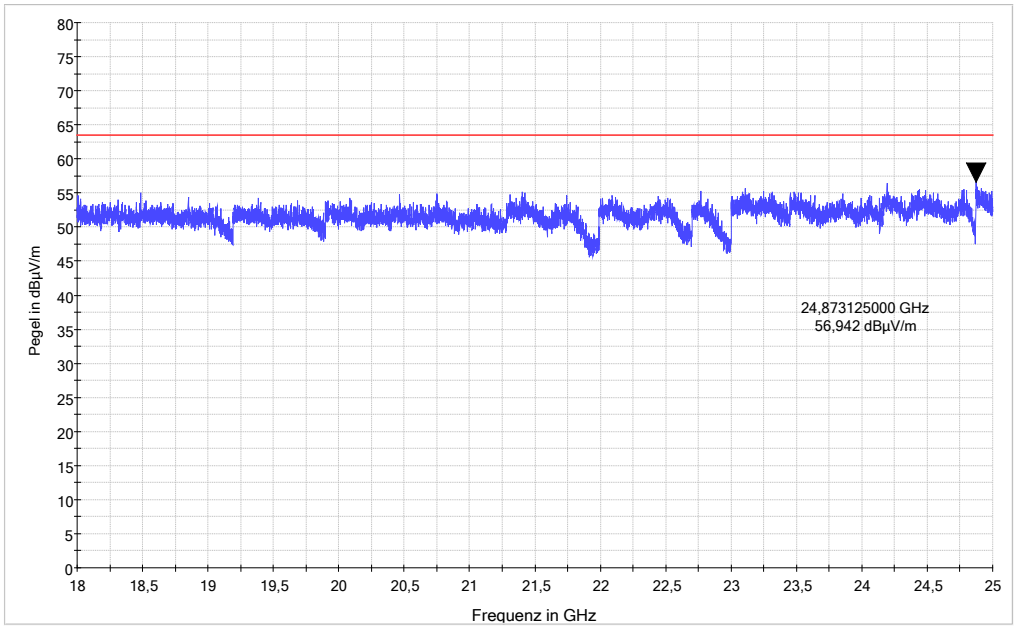





Level in dBµV/m
Frequency in GHz
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.209
Final_Result PK


Level in dBµV/m
Frequency in GHz
Preview Result 2V-AVG
Preview Result 1H-PK+
Final_Result PK+
Preview Result 1V-PK+
FCC 15.209 (1m) PK
Final_Result AVG
Preview Result 2H-AVG
FCC 15.209 (1m)


Pegel in dBµV/m
Frequenz in GHz
24,872250000 GHz
57,000 dBµV/m


Pegel in dBµV/m
Frequenz in GHz
24,873125000 GHz
56,942 dBµV/m

10 Revision History

Revision History			
Edition	*Date*	*Issued by*	*Modifications*
1	2017-08-28	M. Steindl	First Edition
2	2017-09-11	M. Steindl (lc)	Correction of type designation