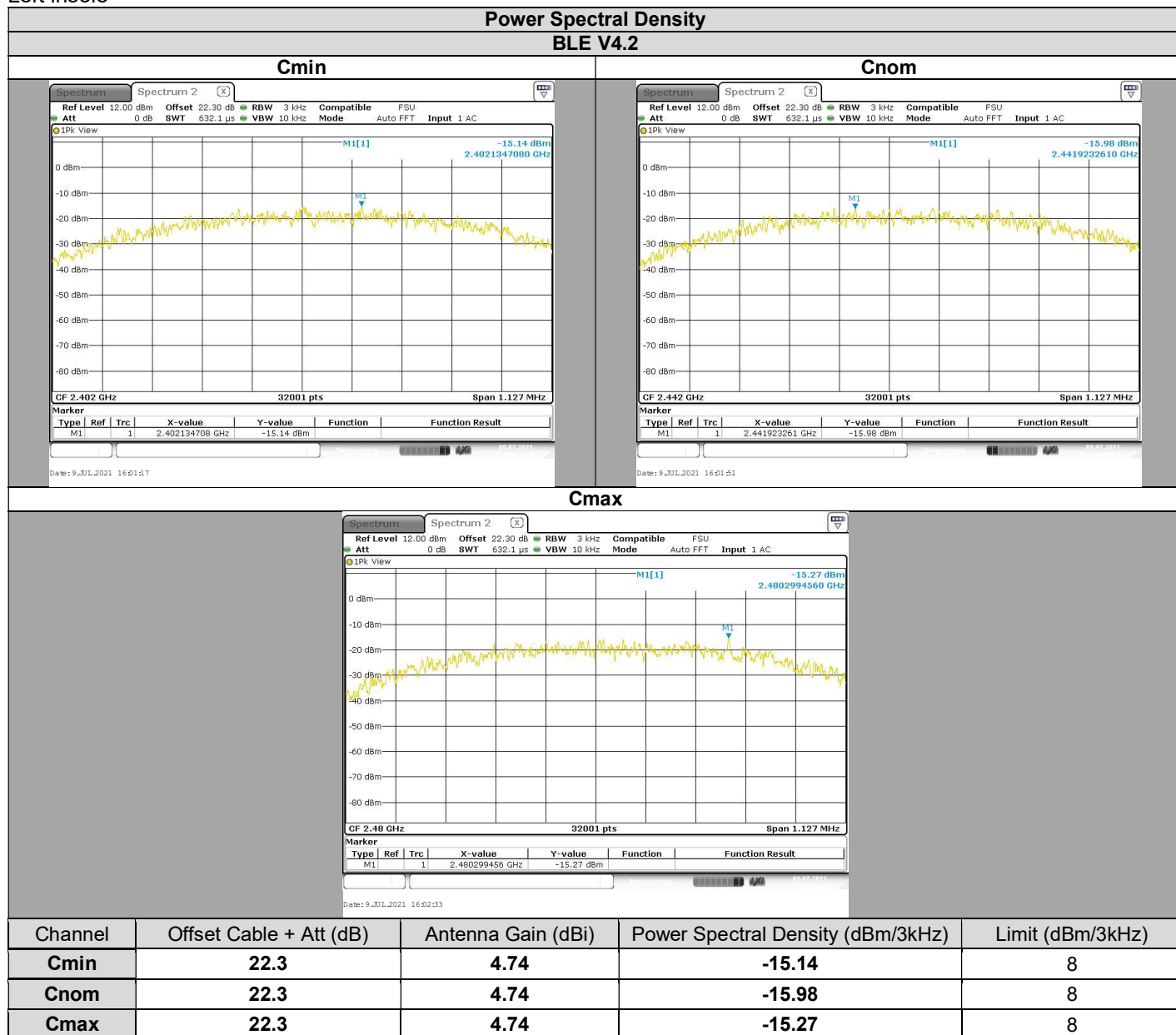
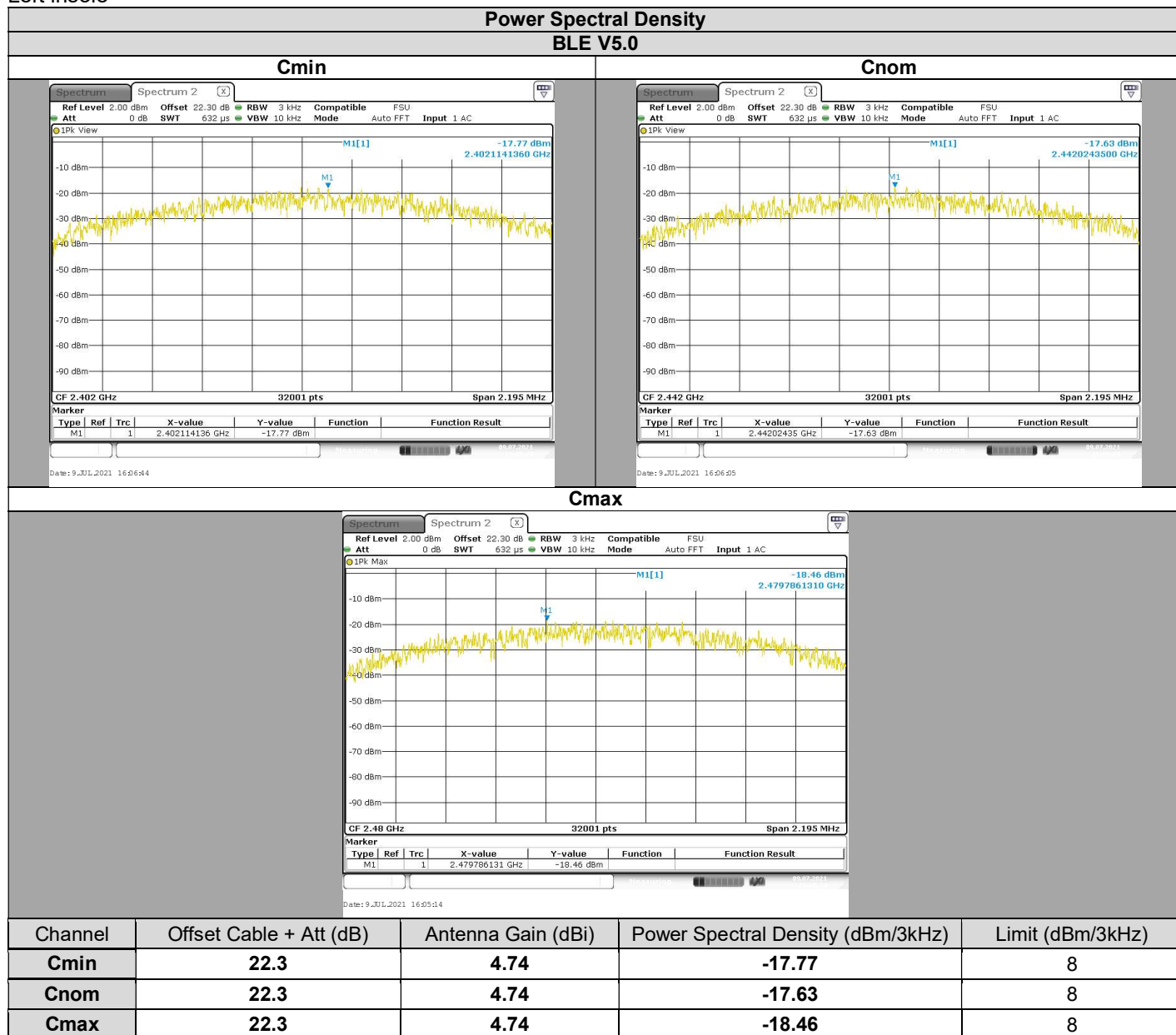


Left insole



Left insole



7.6. CONCLUSION

Power Spectral Density measurement performed on the sample of the product **FEETME FTM-DK**, SN: **DK9701000088R & DK9701000078L**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.247 & RSS 247 ISSUE 2** limits.

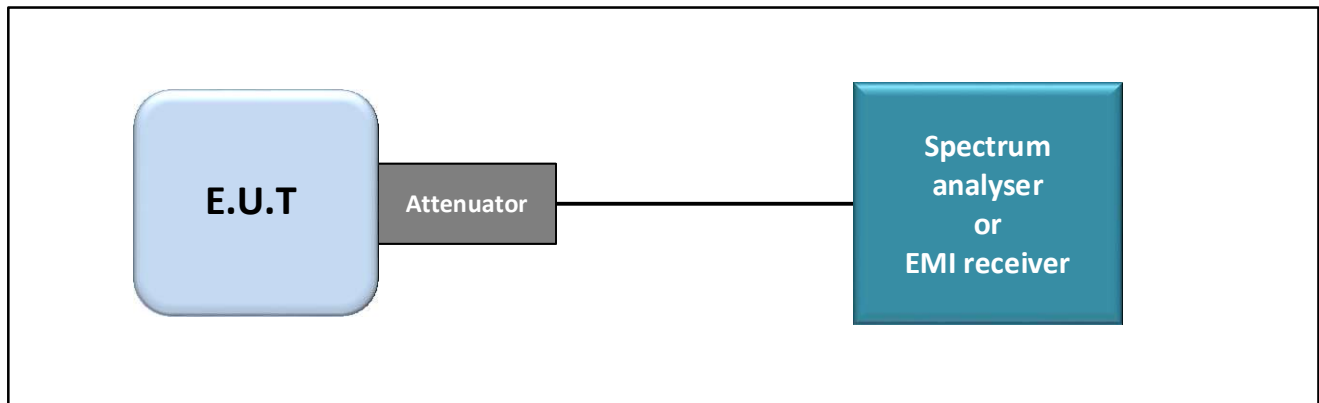
8. UNWANTED EMISSIONS INTO NON-RESTRICTED FREQUENCY BANDS AT THE BAND EDGE

8.1. TEST CONDITIONS

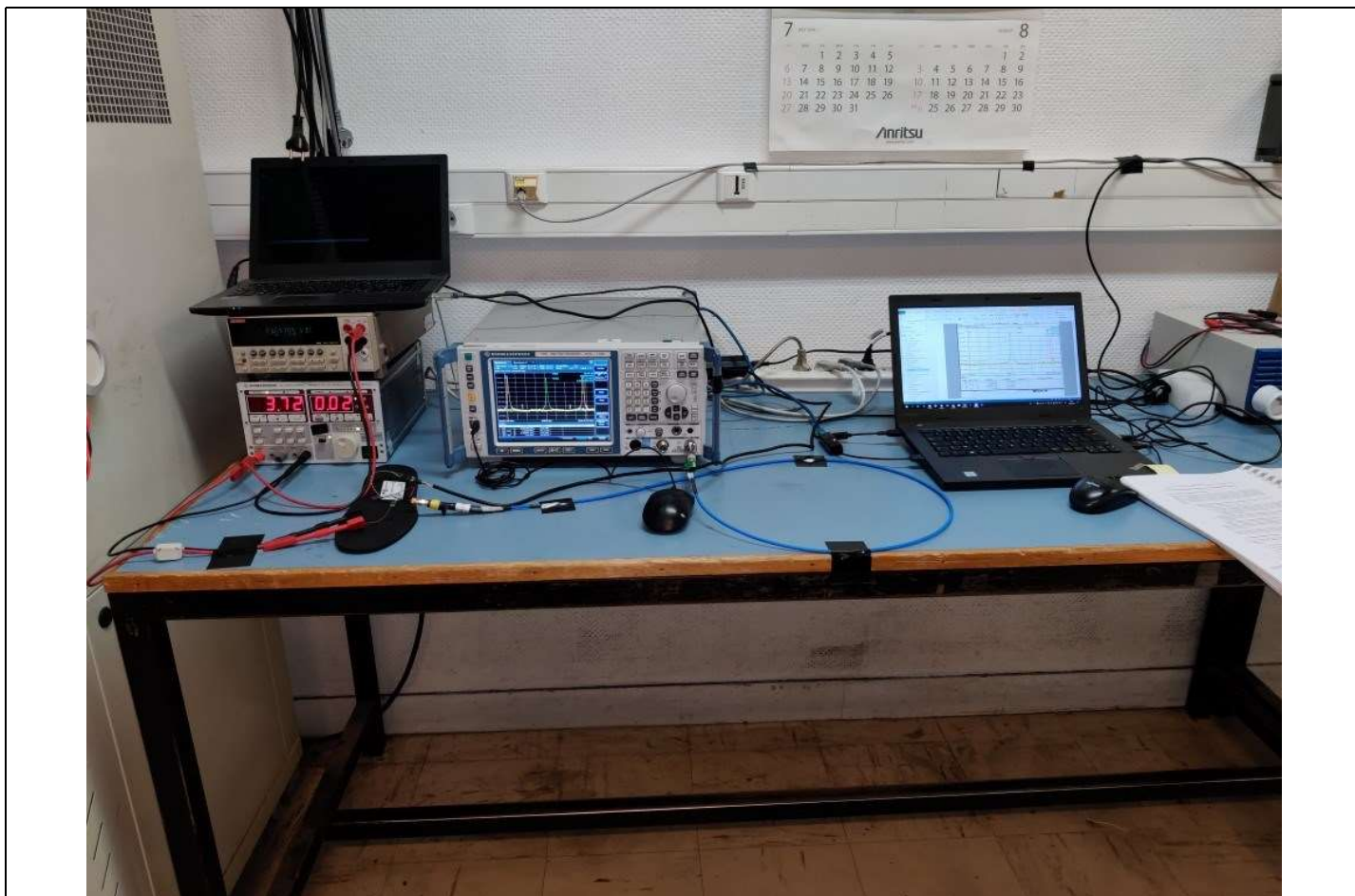
Test performed by : Armand MAHOUNGOU
Date of test : March 13, 2020 & July 9, 2021
Ambient temperature : 26°C
Relative humidity : 46%

8.2. TEST SETUP

- The Equipment Under Test is installed:
 - ☒ On a table
 - ☐ In an anechoic chamber
- Measurement is performed with a spectrum analyzer in:
 - ☒ Conducted Method
 - ☐ Radiated Method
- Test Procedure:
 - ☒ ANSI C63.10 § 11.11



Test set up of Unwanted Emissions into Non-Restricted Frequency Bands at the Band Edge



Photograph for Unwanted Emission into non-restricted frequency bands at the band edge

8.3. LIMIT

All Spurious Emissions must be at least 20dB (Maximum Conducted Power) below the Fundamental Radiator Level at the Band Edge "2400MHz & 2483,5MHz"

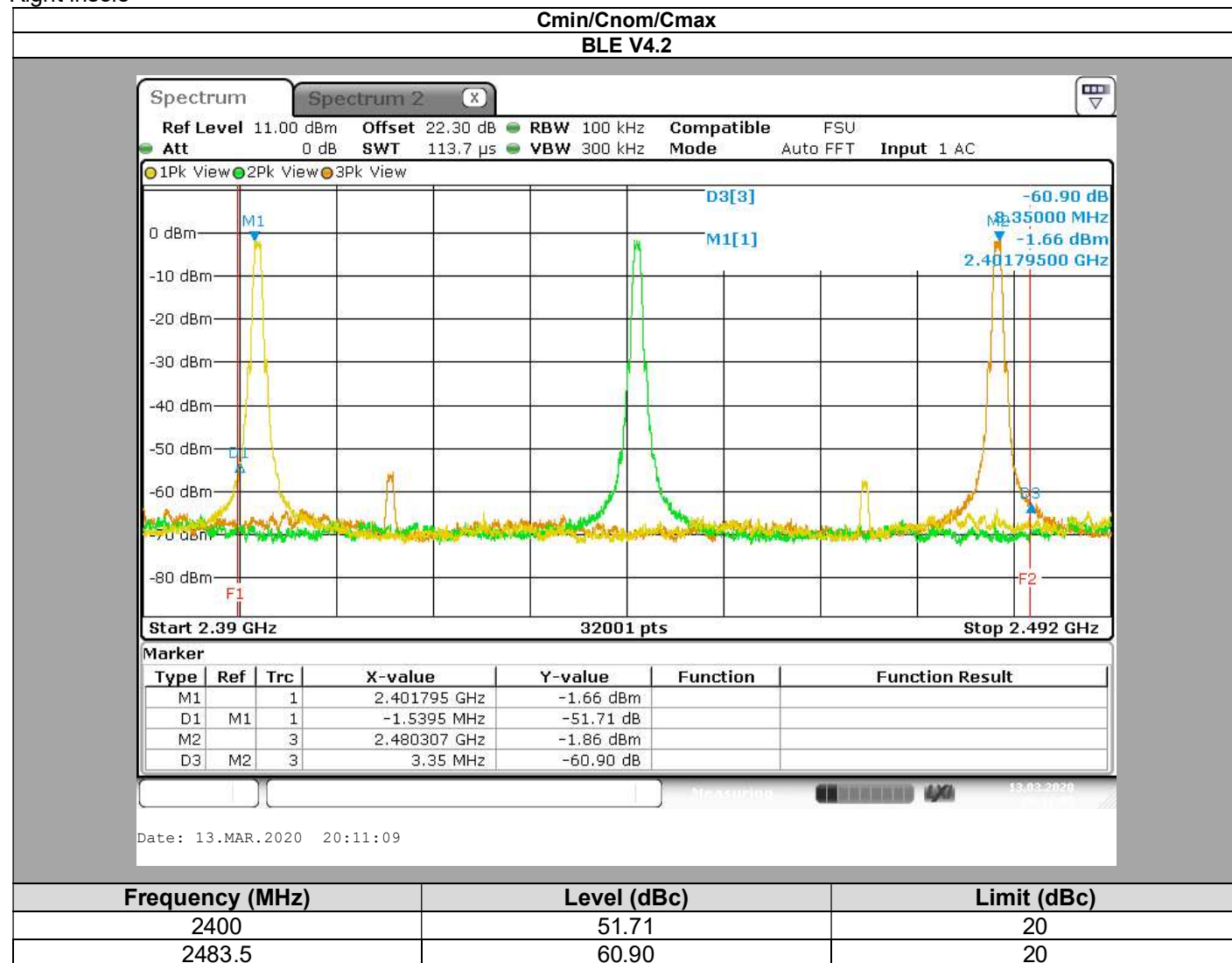
8.4. TEST EQUIPMENT LIST

DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
EMI receiver	ROHDE & SCHWARZ	ESR 7	A2642026	2019/07	2021/07
Cable + Attenuateur 20dB	PASTERNAK	PE350-150CM	A5329865	2019/09	2021/09
Multimeter	KEITHLEY	2000	A1242090	2020/03	2022/03
Programmable DC power supply	ROHDE & SCHWARZ	NGSM32/10	A7040074	See multimeter	See multimeter

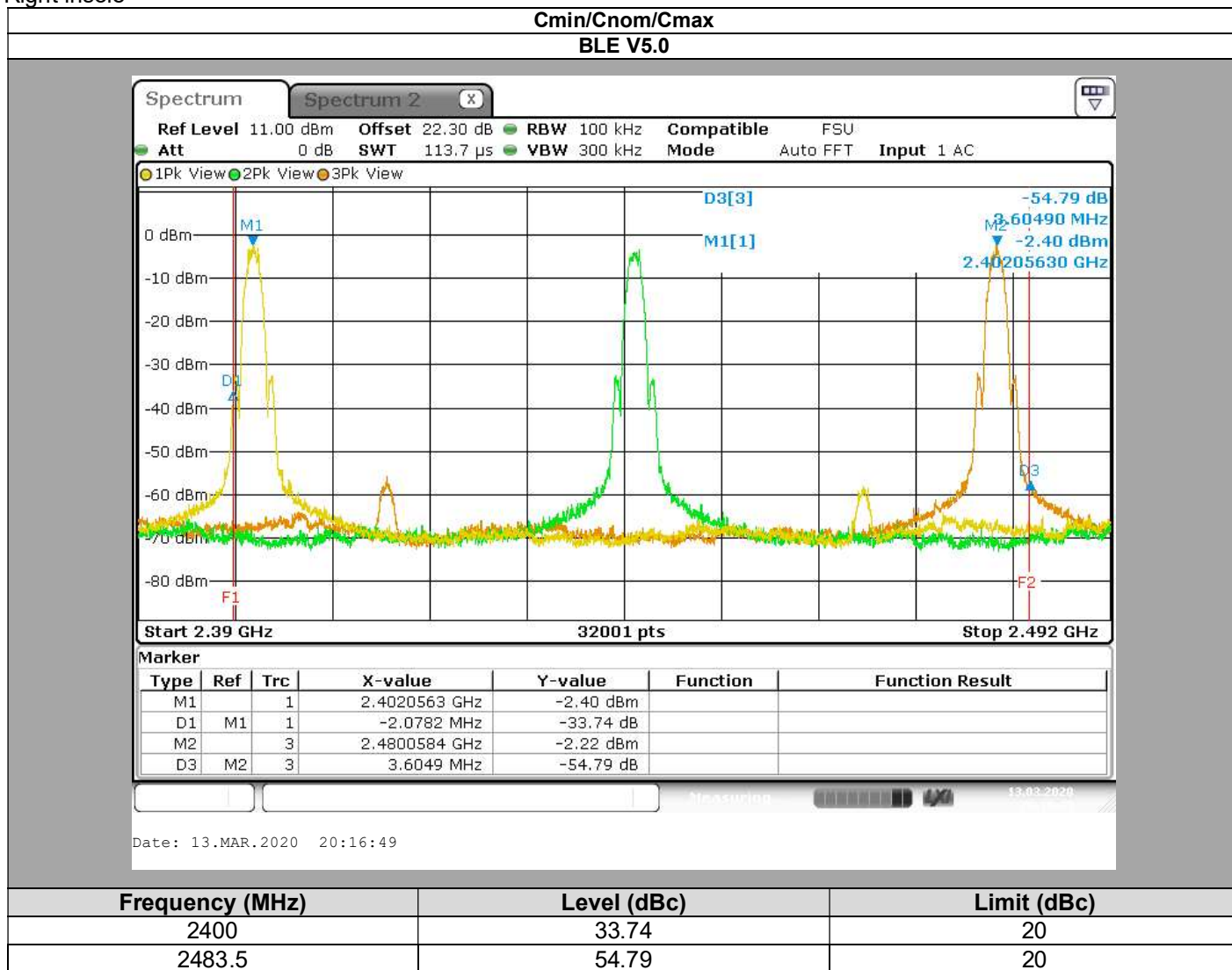
Note: In our quality system, the test equipment calibration due is more & less 2 months

8.5. RESULTS

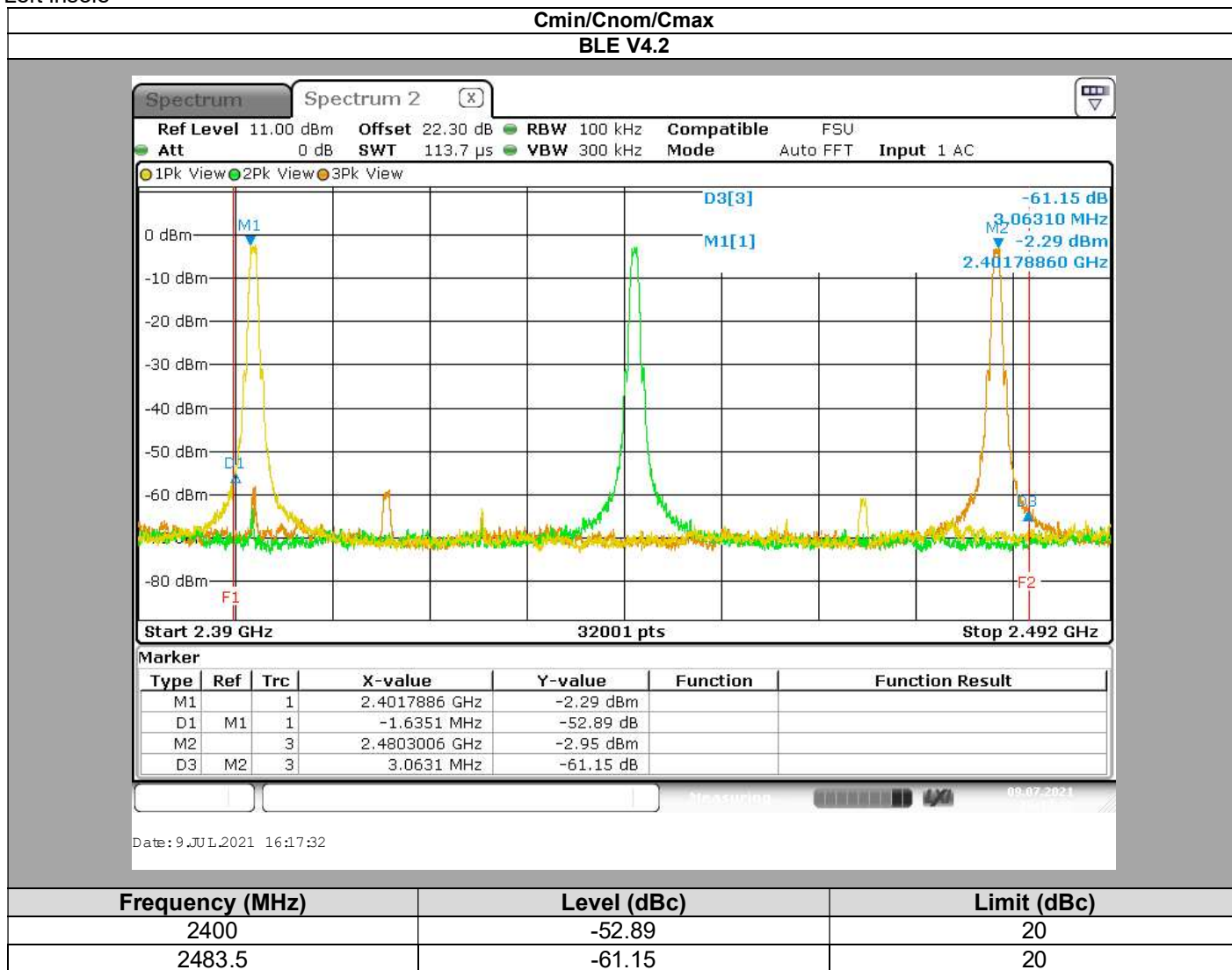
Right insole



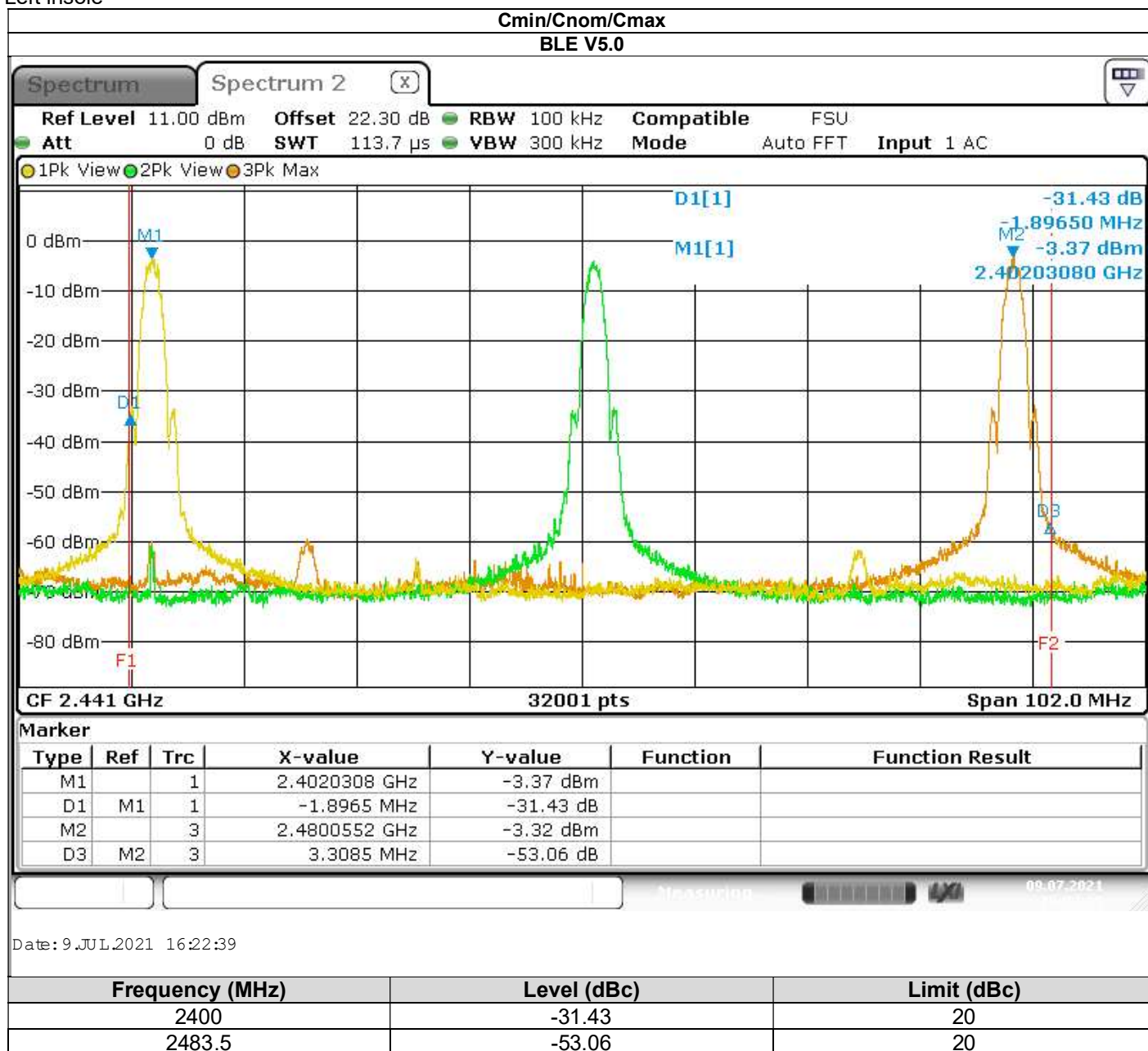
Right insole



Left insole



Left insole



8.6. CONCLUSION

Unwanted Emission into non-restricted frequency bands at the band edge measurement performed on the sample of the product **FEETME FTM-DK**, SN: **DK9701000088R & DK9701000078L**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.247 & RSS 247 ISSUE 2** limits.

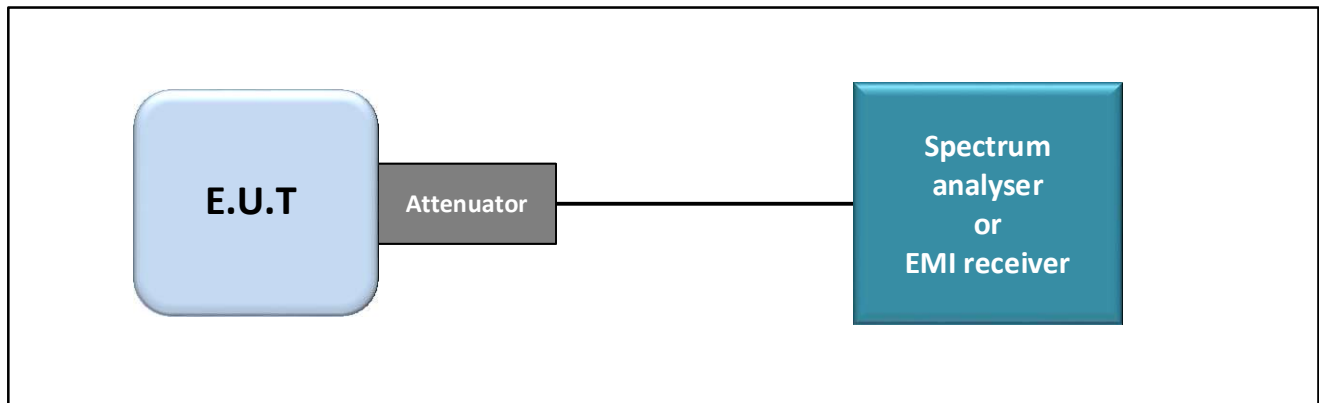
9. UNWANTED EMISSIONS INTO NON-RESTRICTED FREQUENCY BANDS

9.1. TEST CONDITIONS

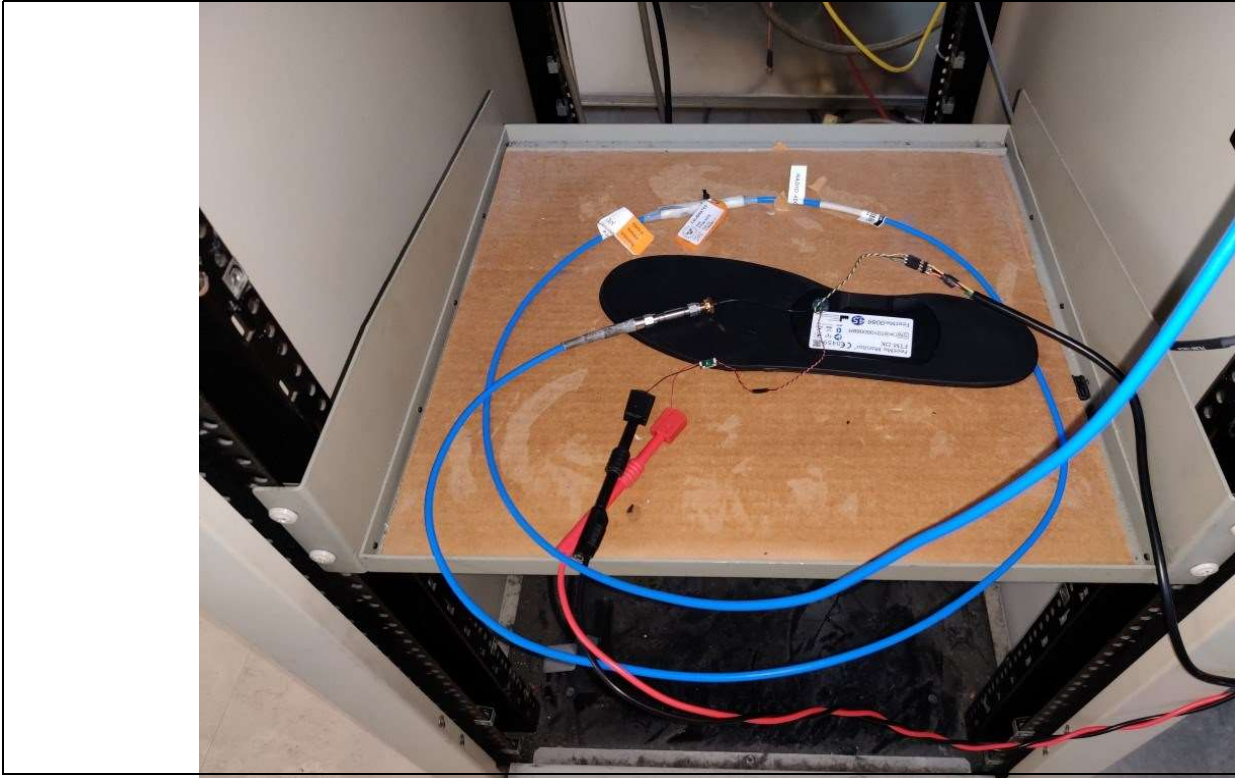
Test performed by : Armand MAHOUNGOU
Date of test : March 13, 2020 & July 9, 2021
Ambient temperature : 26°C
Relative humidity : 46%

9.2. TEST SETUP

- The Equipment under Test is installed:
 - ☒ On a table
 - ☐ In an anechoic chamber
- Measurement is performed with a spectrum analyzer in:
 - ☒ Conducted Method
 - ☐ Radiated Method
- Test Procedure:
 - ☒ ANSI C63.10 § 11.11



Test set up of Unwanted Emissions into Non-Restricted Frequency Bands



Photograph for Unwanted Emission into non-restricted frequency bands



Photograph for Unwanted Emission into non-restricted frequency bands



9.3. LIMIT

All Spurious Emissions must be at least 20dB (Maximum Conducted Power) below the Fundamental Radiator Level

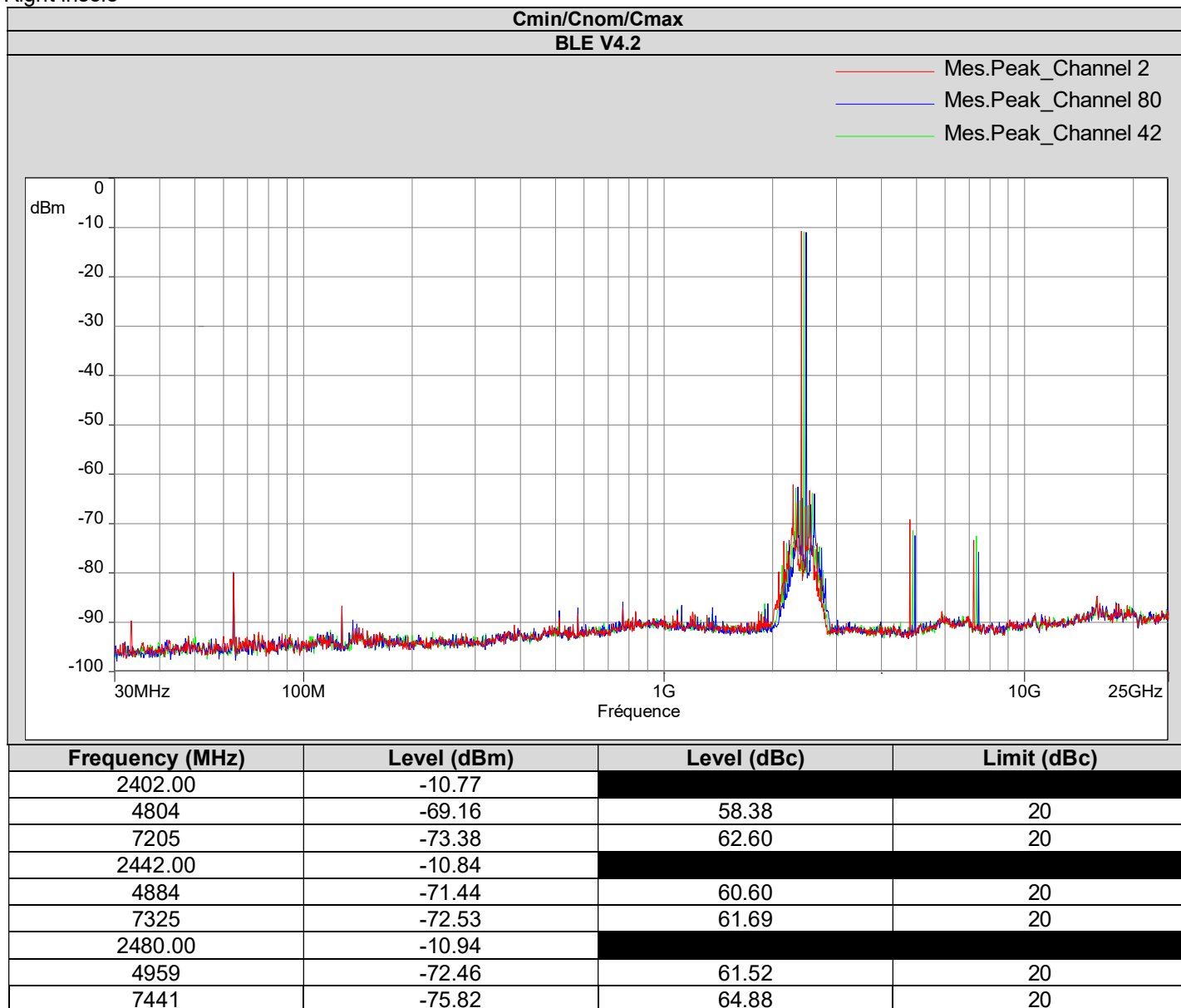
9.4. TEST EQUIPMENT LIST

DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
BAT EMC Software	NEXIO	Version 3.19.1.18	-	-	-
Cable S36 chamber	PASTERNAK	PE360-1500CM	A5329940	2020/02	2022/02
EMI receiver	ROHDE & SCHWARZ	FSV40GHz	A4060061	2019/05	2021/05
Multimeter	KEITHLEY	2000	A1242090	2020/03	2022/03
Power supply	KIKUSUI	PCR500M	A7040079	See Multimeter	See Multimeter
High Pass Filter 2,4GHz	WAINWRIGHT	WHK12-2494	A7484068	2019/07	2021/07
Attenuator 3dB Cable Spurious Conducted	-	WA54-3-12	A7122223	2020/02	2022/02

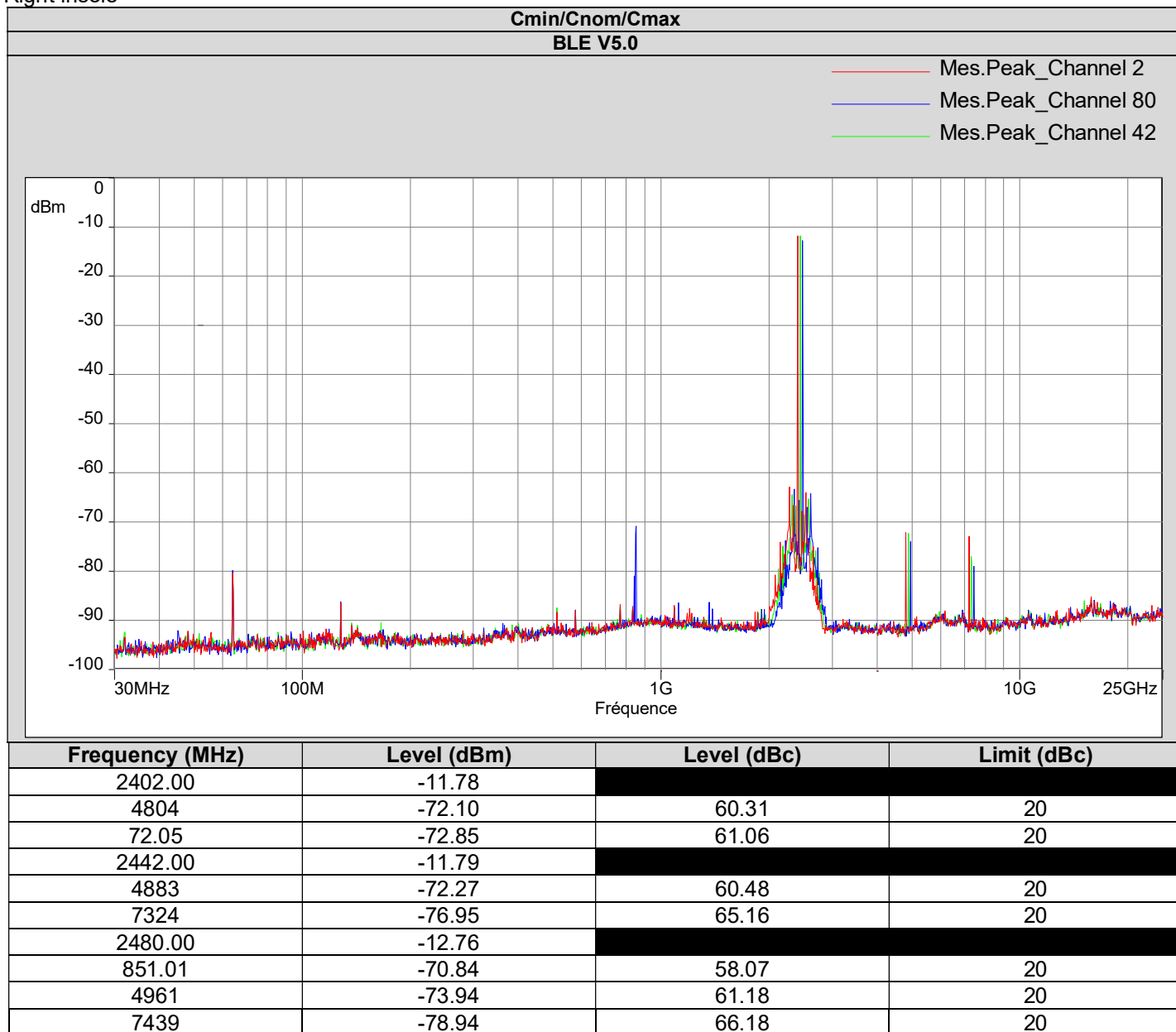
Note: In our quality system, the test equipment calibration due is more & less 2 months

9.5. RESULTS

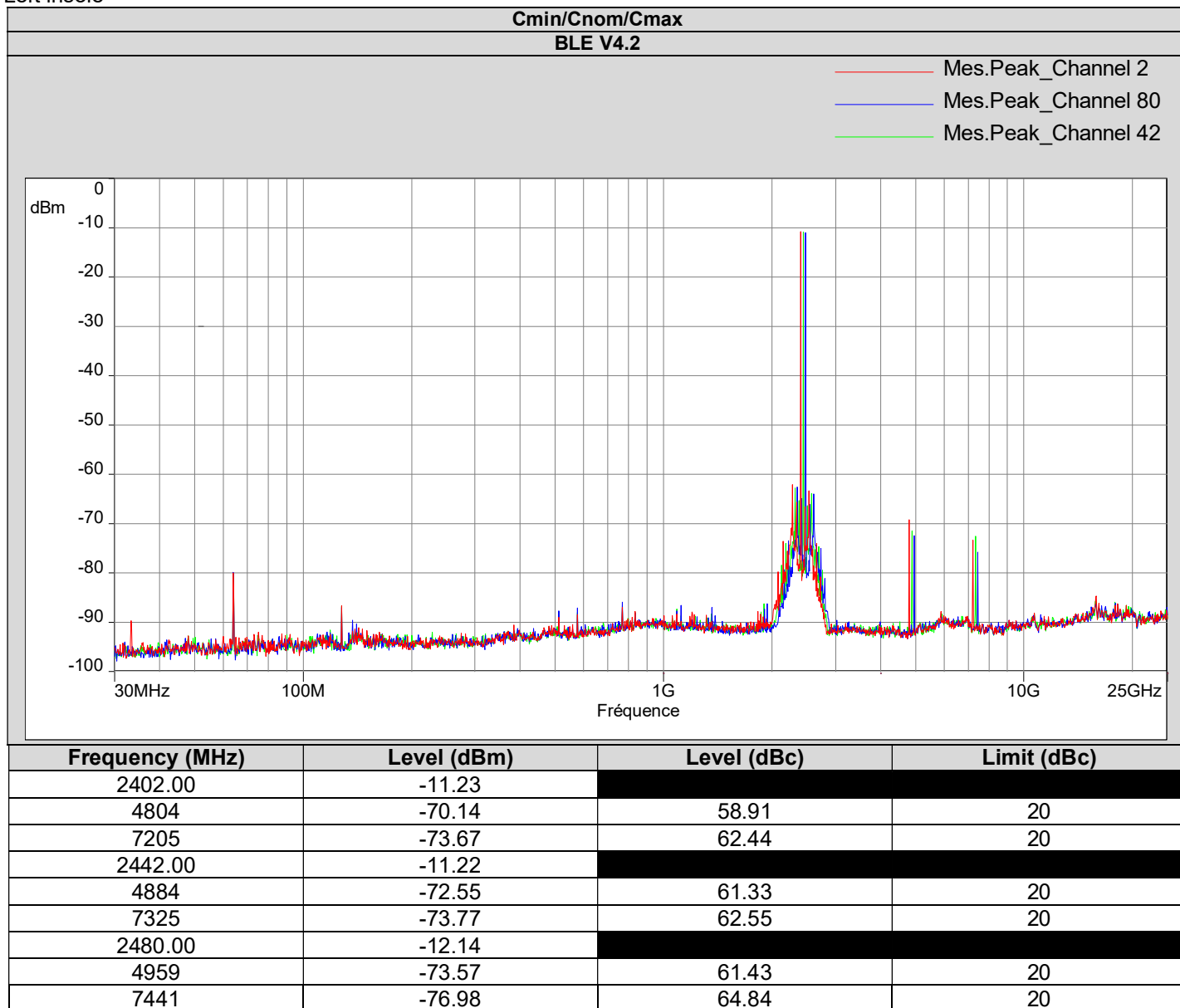
Right insole



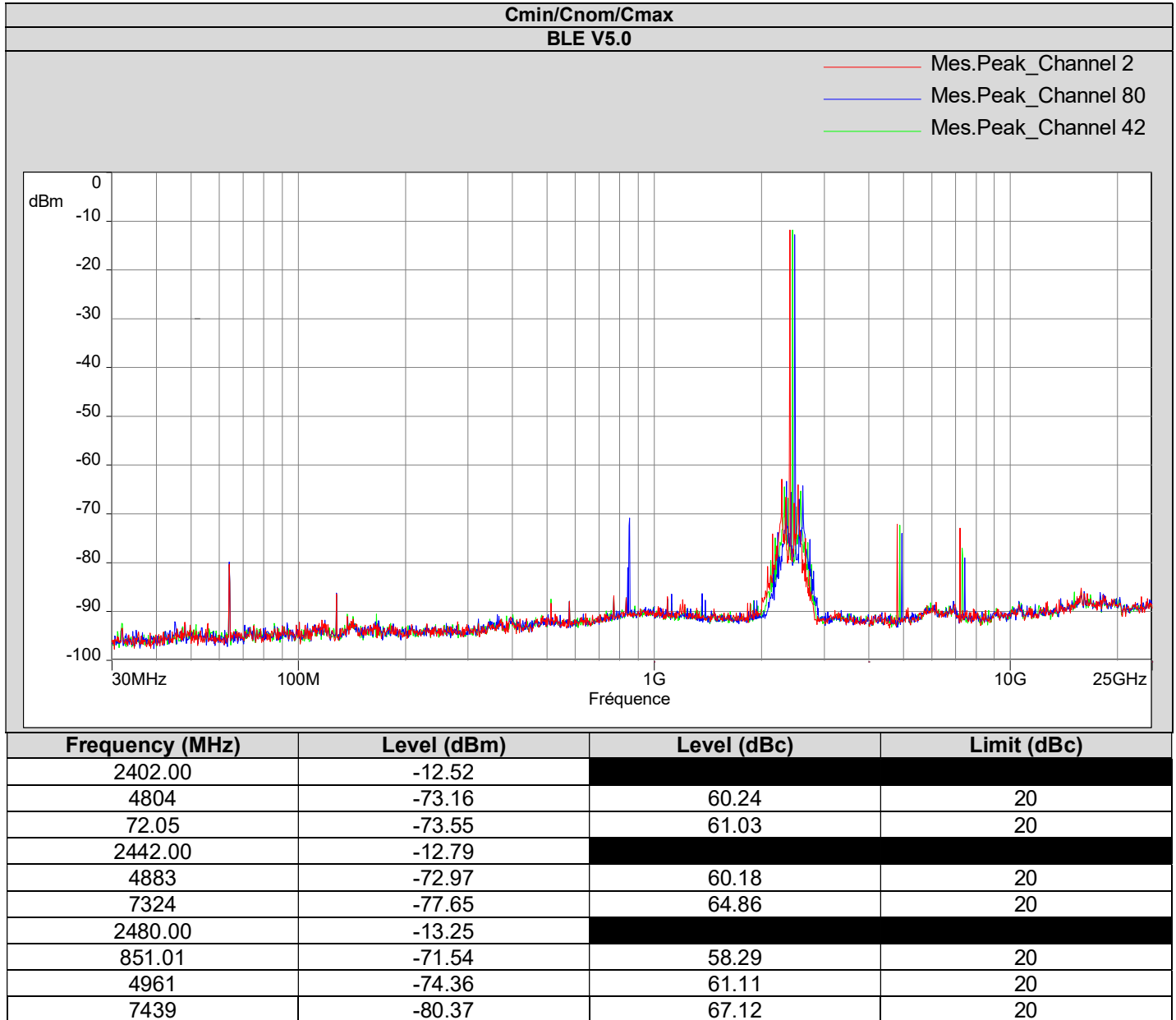
Right insole



Left insole



Left insole



9.6. CONCLUSION

Unwanted Emission into non-restricted frequency bands measurement performed on the sample of the product **FEETME FTM-DK**, SN: **DK9701000088R & DK9701000078L**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.247 & RSS 247 ISSUE 2** limits.

10. UNWANTED EMISSIONS IN RESTRICTED FREQUENCY BANDS

10.1. TEST CONDITIONS

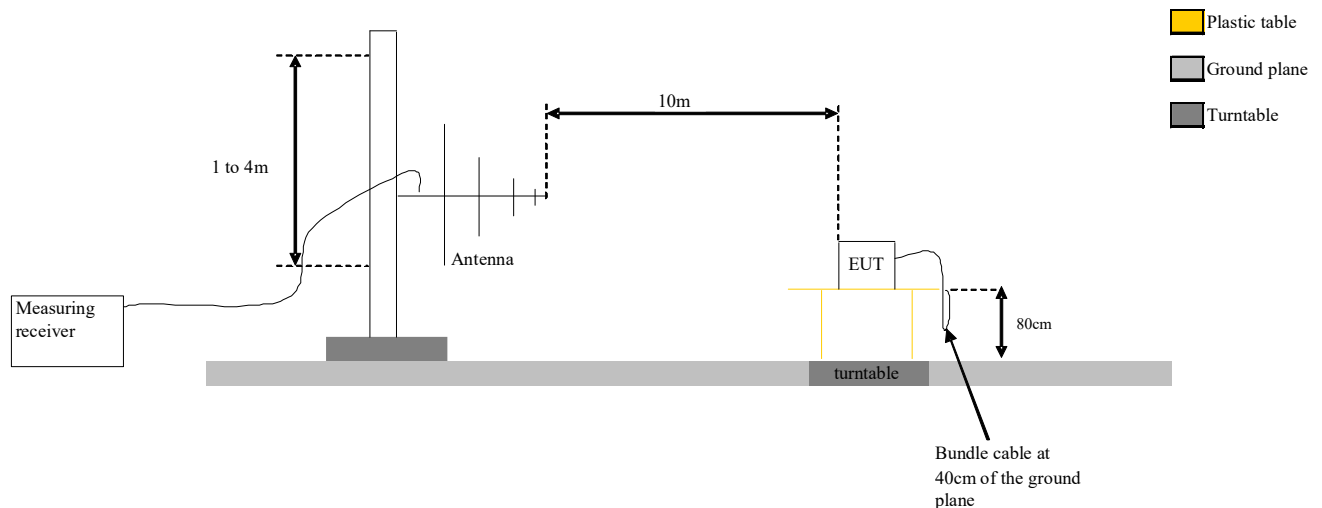
Test performed by : Laurent DENEUX
 Date of test : March 13, 2020 & July 9, 2021
 Ambient temperature : 21 °C
 Relative humidity : 47 %

10.2. TEST SETUP

The product has been tested according to ANSI C63.10 (2013) and FCC part 15 subpart C. Test is performed in parallel, perpendicular and ground parallel axis with a loop antenna below 30MHz. Measurement bandwidth was 200Hz below 150kHz and 9kHz between 150kHz & 30MHz. The level has been maximised by the turntable rotation of 360 degrees range on all axis of EUT used in normal configuration. Antenna height was 1m. The EUT is placed **on an open area test site**. Distance between measuring antenna and the EUT is **3m**.

Test is performed in horizontal (H) and vertical (V) polarization with **bilog** between 30MHz & 1GHz and with a horn antenna above 1GHz. Measurement bandwidth was 120kHz below 1GHz and 1MHz above 1GHz. The level has been maximised by the turntable rotation of 360 degrees range on all axis of EUT used in normal configuration. The EUT is place at 1.5m high above 1GHz and at 0.8m high under 1GHz. The EUT is placed **in a full anechoic chamber** above 1GHz and **on an open area test site** from 30MHz to 1GHz. Distance between measuring antenna and the EUT is **3m**. The height antenna is varied from 1m to 4m from 30MHz to 1GHz and above 1GHz is :

- ☒ On mast, varied from 1m to 4m
- ☐ Fixed and centered on the EUT (EUT smaller than the bandwidth of the measurement antenna, ANSI C63.10 §6.6.5)



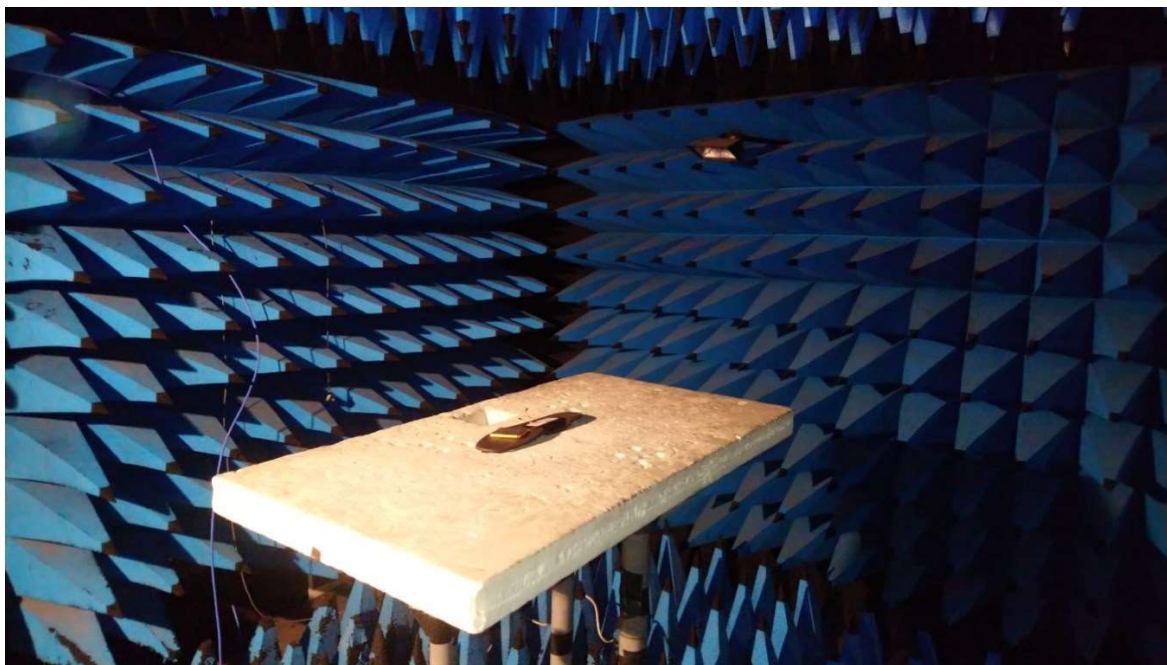
Test Set up for radiated measurement in open area test site



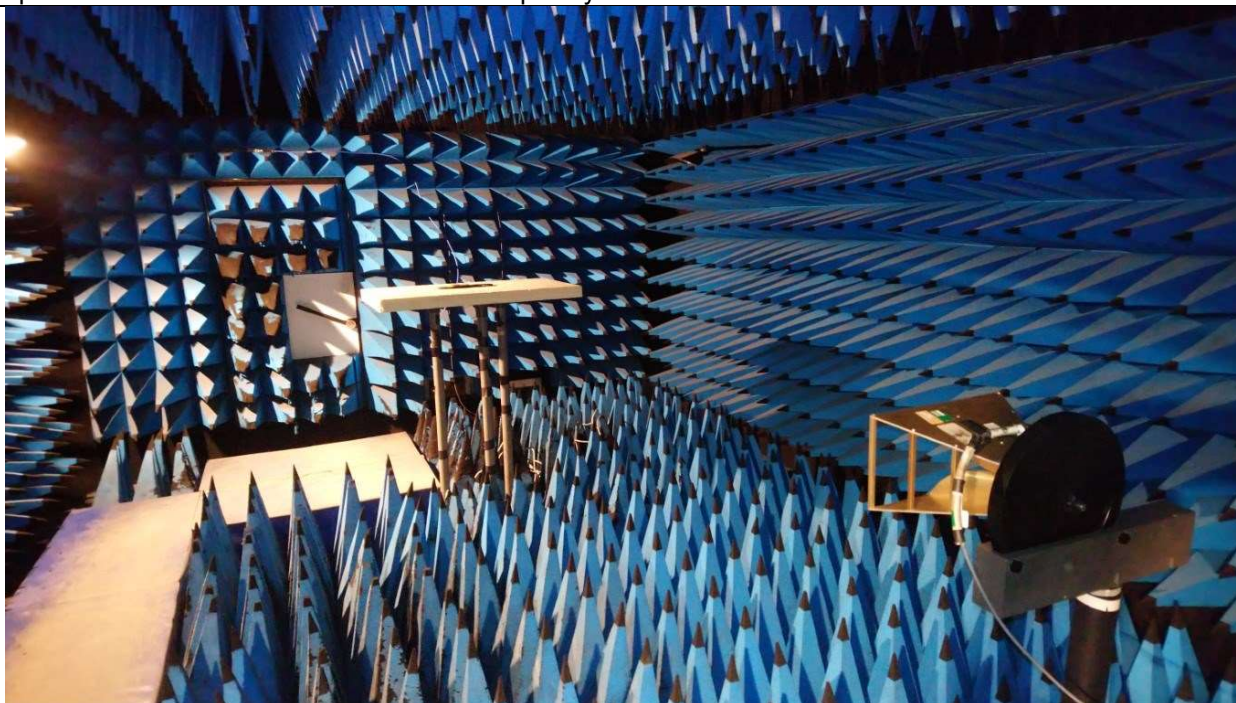
Photograph for Unwanted Emission in restricted frequency bands



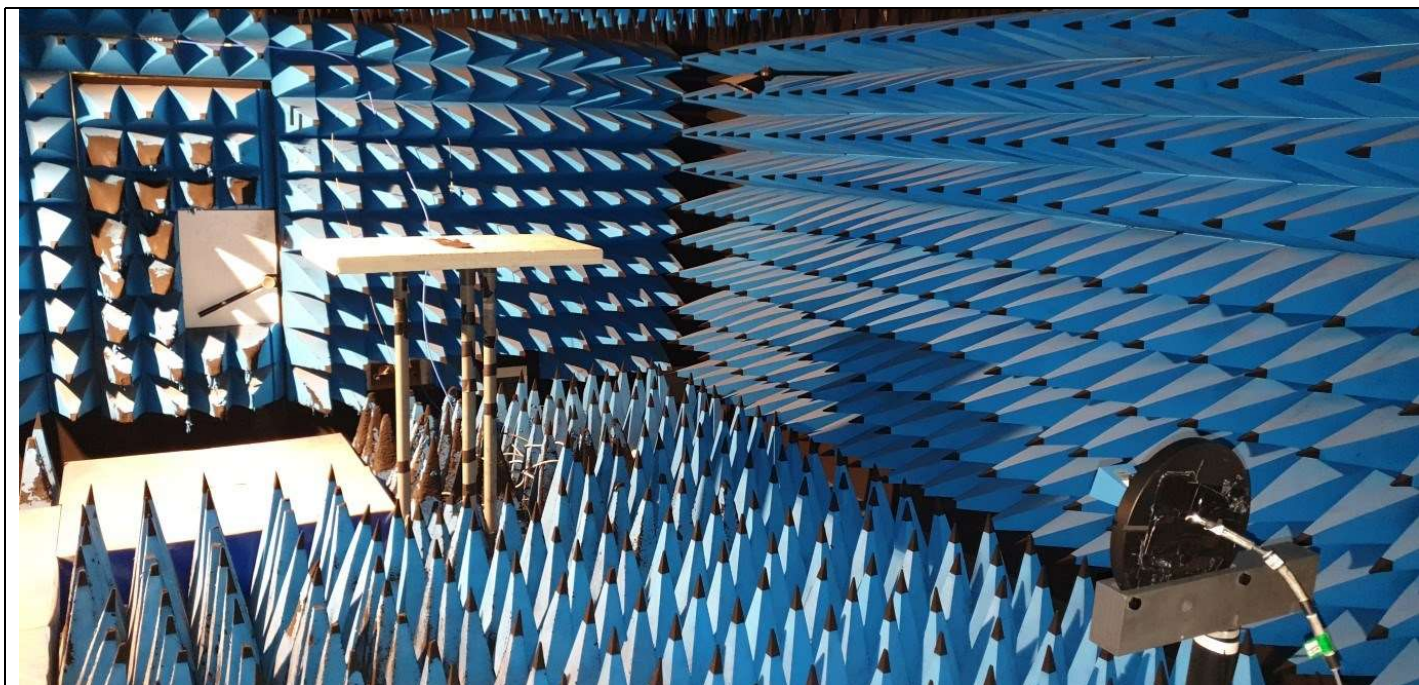
Photograph for Unwanted Emission in restricted frequency bands



Photograph for Unwanted Emission in restricted frequency bands



Photograph for Unwanted Emission in restricted frequency bands



Photograph for Unwanted Emission in restricted frequency bands

10.3. LIMIT

Measure at 300m		
Frequency range	Level	Detector
9kHz-490kHz	67.6dB μ V/m /F(kHz)	QPeak
Measure at 30m		
Frequency range	Level	Detector
490kHz-1.705MHz	87.6dB μ V/m /F(kHz)	QPeak
1.705MHz-30MHz	29.5dB μ V/m	QPeak
Measure at 10m		
Frequency range	Level	Detector
30MHz to 88MHz	29.5dB μ V/m	QPeak
88MHz to 216MHz	33dB μ V/m	QPeak
216MHz to 960MHz	35.5dB μ V/m	QPeak
960MHz to 1000MHz	43.5dB μ V/m	QPeak
Above 1000MHz	63.5dB μ V/m	Peak
	43.5dB μ V/m	Average
Measure at 3m		
Frequency range	Level	Detector
30MHz to 88MHz	40dB μ V/m	QPeak
88MHz to 216MHz	43.5dB μ V/m	QPeak
216MHz to 960MHz	46B μ V/m	QPeak
960MHz to 1000MHz	54dB μ V/m	QPeak
Above 1000MHz	74dB μ V/m	Peak
	54dB μ V/m	Average

10.4. TEST EQUIPMENT LIST

DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
BAT EMC Software	NEXIO	Version 3,19,1,18	-	-	-
Preamplifier	LCIE	LCIE-ALB-001	A7080073	2020/02	2022/02
Horn antenna	AH SYSTEMS	SAS 571	C2042041	2019/11	2021/11
Horn antenna (18-26,5GHz)	PASTERNAK	PE9852/2F-20	C2042048	2019/06	2021/06
EMI receiver	ROHDE & SCHWARZ	FSV40GHz	A4060061	2019/05	2021/05
Cable	PASTERNAK	PE360-3000CM	A5329872	2020/02	2022/02
Cable	PASTERNAK	PE360-1000CM	A5329939	2020/02	2022/02
Cable	PASTERNAK	PE360-1500CM	A5329940	2020/02	2022/02
High Pass Filter 2,4GHz	WAINWRIGHT	WHK12-2494	A7484068	2019/07	2021/07
Open test site	LCIE	-	F2000400	2020-02	2022-02
EMI Test Receiver	ROHDE & SCHWARZ	ESU	A2642018	2019-10	2021-10
Preamplifier	HEWLETT PACKARD	8449B	A4069002	2019-09	2021-09
Cable	-	-	A5329442	2019-12	2021-12
Cable	-	-	A5329542	2019-12	2021-12
Loop antenna	R&S	HFH2-Z2	C2040269	2019-09	2021-09
Cable	-	-	A53291007	2020-02	2022-02
Horn antenna	ETS	3115	C2042016	2019-04	2022-04
Cable	-	-	A5329361	2019-12	2021-12
Antenne bilog	CHASE	CBL 6112A	C2040040	2019-04	2021-04
Cable	-	-	A5329876	2019-12	2021-12
Cable	-	-	A5329449	2019-12	2021-12

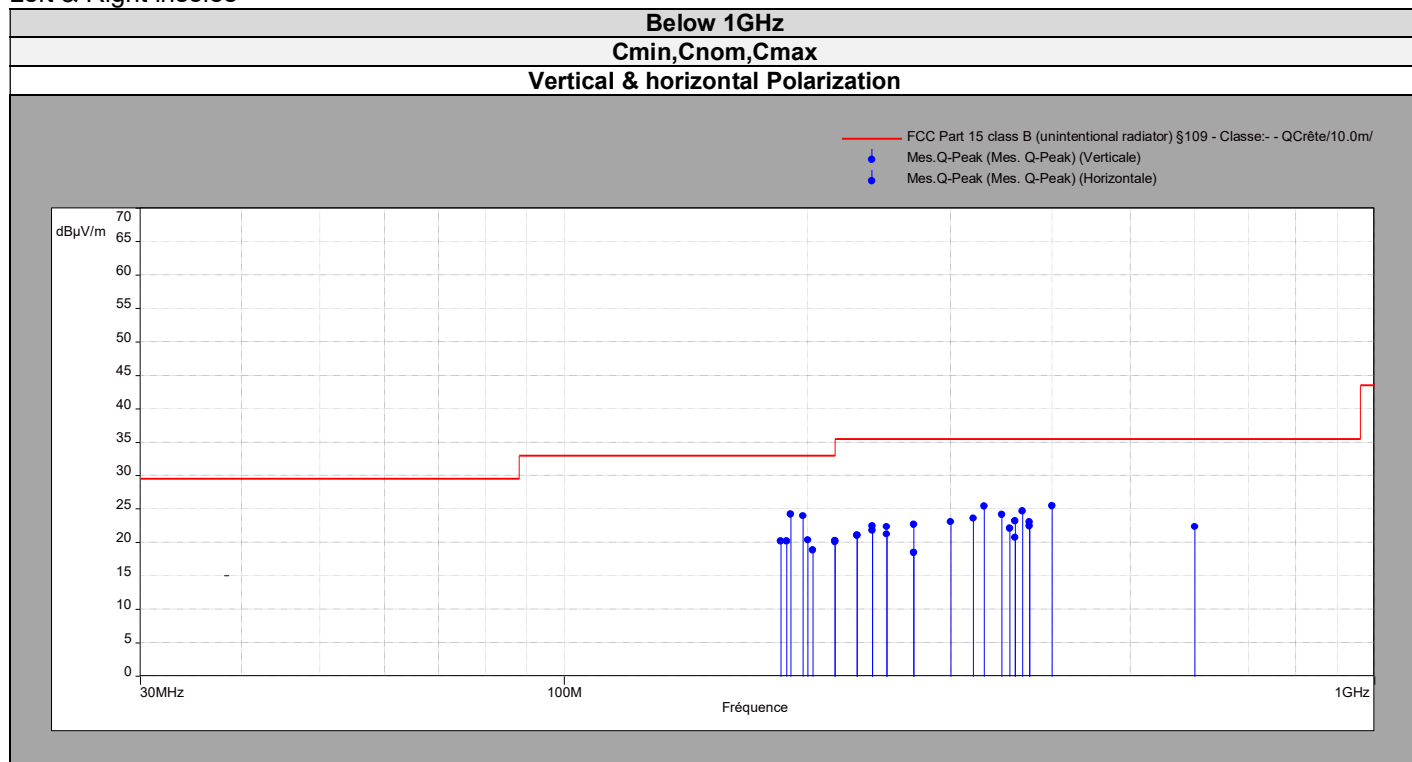
Note: In our quality system, the test equipment calibration due is more & less 2 months

10.5. DIVERGENCE, ADDITION OR SUPPRESSION ON THE TEST SPECIFICATION

☒ None ☐ Divergence:

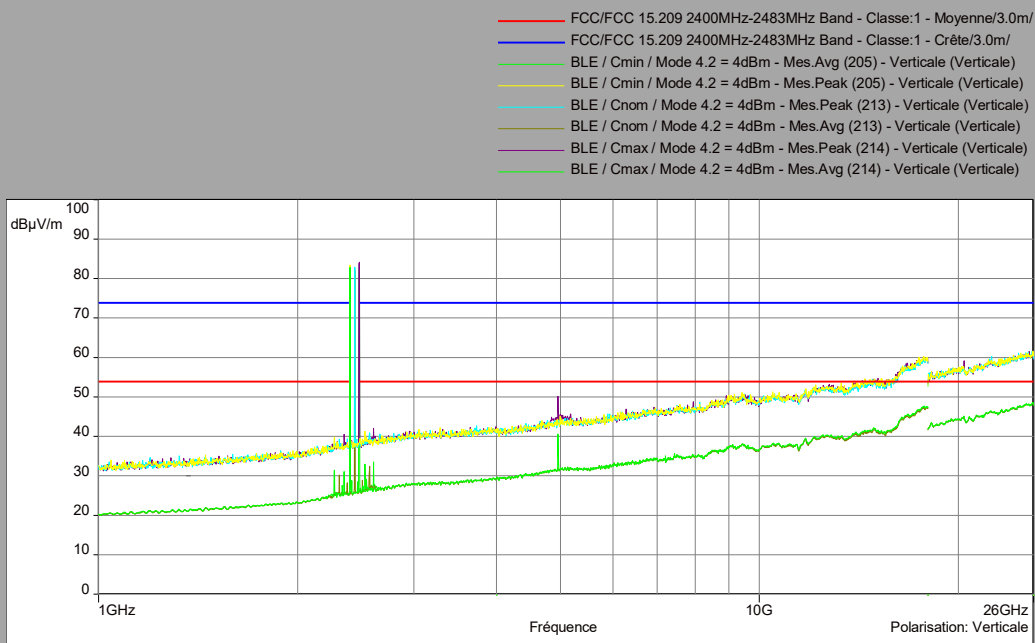
10.6. RESULTS

Left & Right insoles

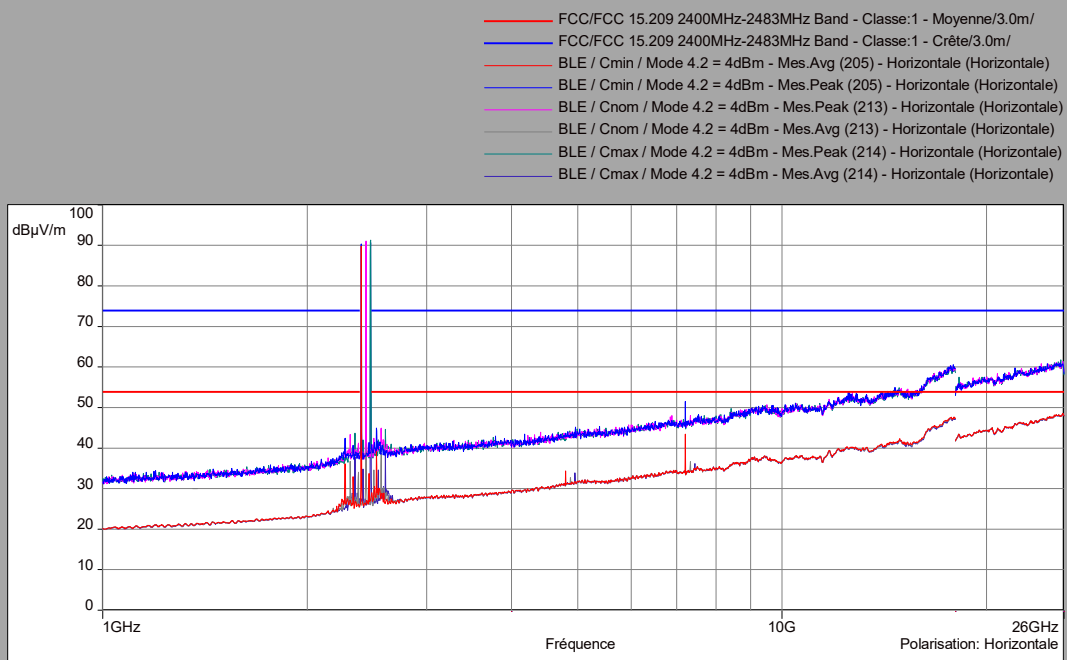


Left & Right insoles

Above 1GHz
Cmin/Cnom/Cmax
Vertical Polarization



Horizontal polarization



Left & Right insoles

Above 1GHz Zoom 2310MHz-2500MHz

Cmin/Cnom/Cmax

Vertical Polarization

- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Moyenne/3.0m/
- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Crête/3.0m/
- Mes.Avg_Channel 80 - Verticale (Verticale)
- Mes.Peak_Channel 42 - Verticale (Verticale)
- Mes.Avg_Channel 42 - Verticale (Verticale)
- Mes.Peak_Channel 2 - Verticale (Verticale)
- Mes.Peak_Channel 80 - Verticale (Verticale)
- Mes.Avg_Channel 2 - Verticale (Verticale)

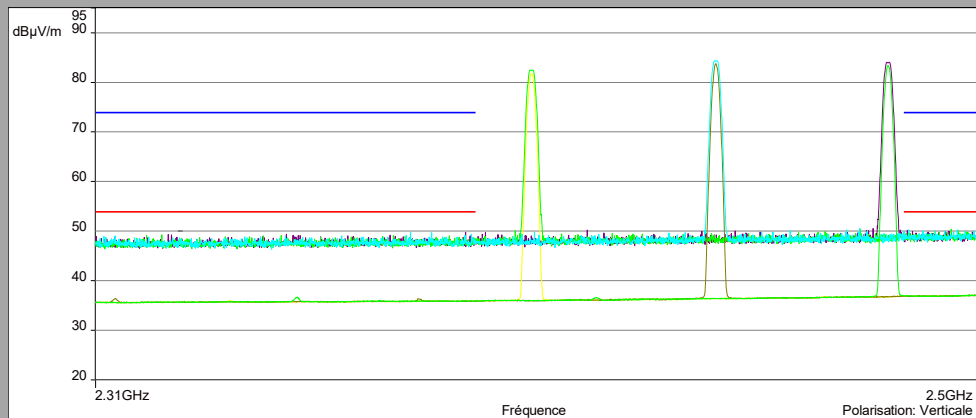
Description Sous-bande 2

Fréquences: 2.31 GHz - 2.5 GHz (Mode analyseur) 32001 Points

Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 2 ms/Pts, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp : On: 10 dB, LN Preamp : Off, Preselecte

Polarisation: Verticale

Distance: 3 m



Horizontal polarization

- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Moyenne/3.0m/
- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Crête/3.0m/
- Mes.Peak_Channel 2 - Horizontale (Horizontale)
- Mes.Peak_Channel 80 - Horizontale (Horizontale)
- Mes.Avg_Channel 2 - Horizontale (Horizontale)
- Mes.Avg_Channel 80 - Horizontale (Horizontale)
- Mes.Peak_Channel 42 - Horizontale (Horizontale)
- Mes.Avg_Channel 42 - Horizontale (Horizontale)

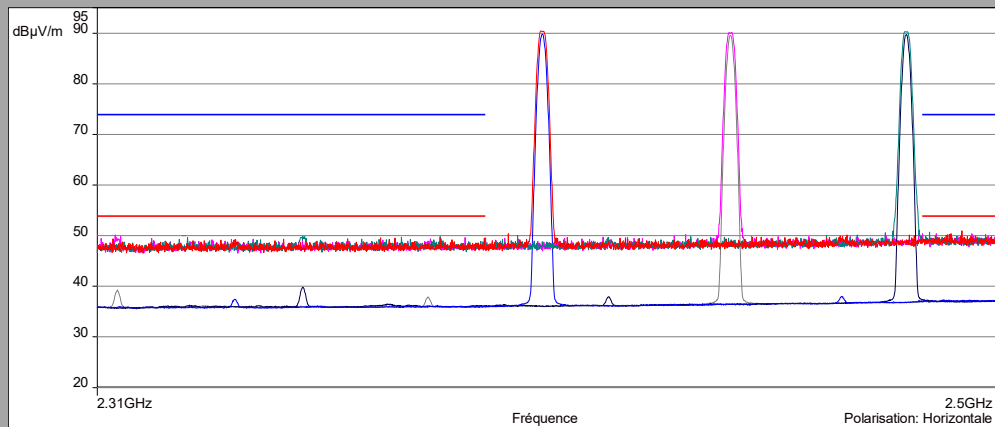
Description Sous-bande 1

Fréquences: 2.31 GHz - 2.5 GHz (Mode analyseur) 32001 Points

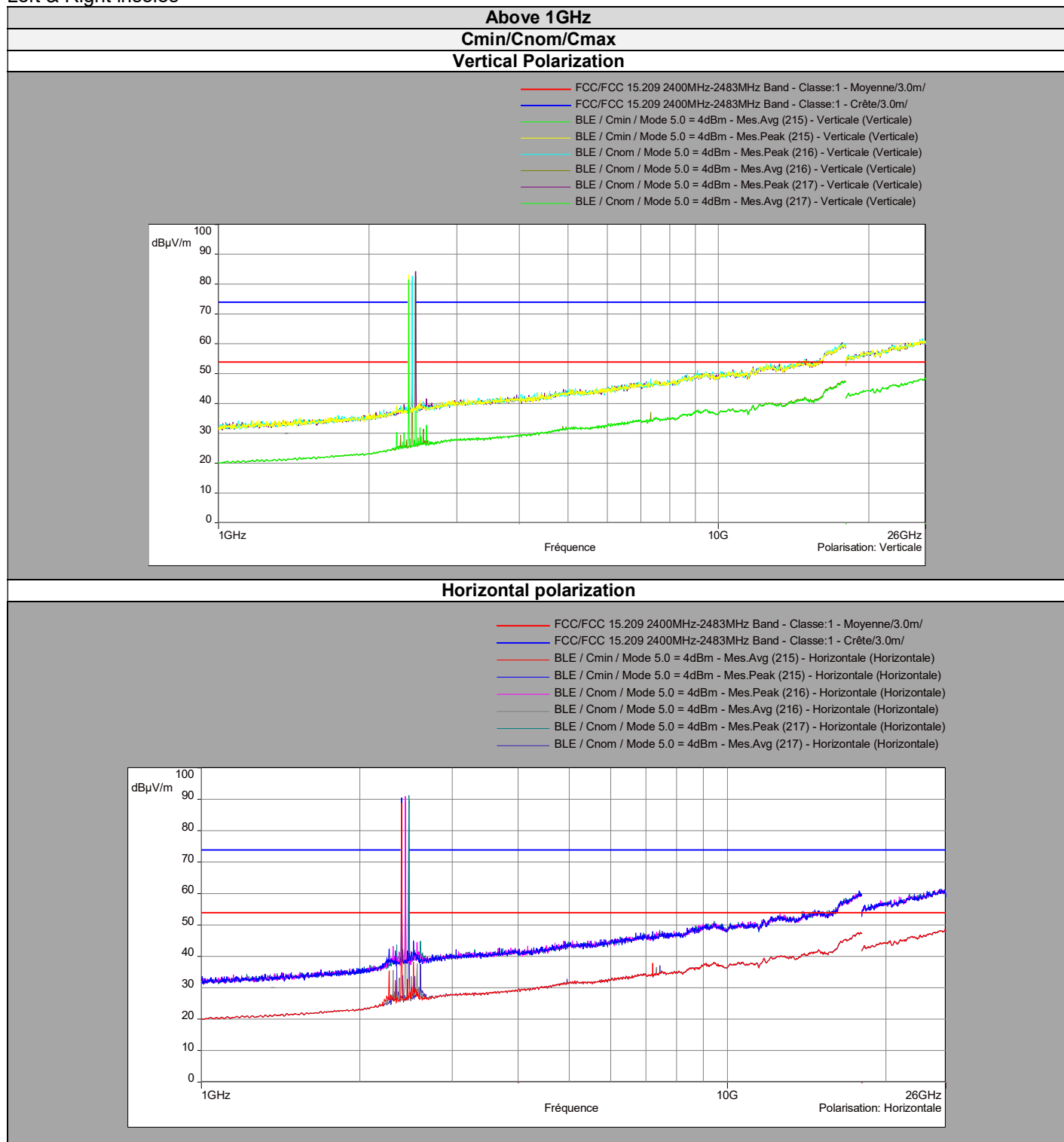
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 2 ms/Pts, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp : On: 10 dB, LN Preamp : Off, Preselecte

Polarisation: Horizontale

Distance: 3 m



Left & Right insoles



Left & Right insoles

Above 1GHz Zoom 2310MHz-2500MHz

Cmin/Cnom/Cmax

Vertical Polarization

- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Moyenne/3.0m/
- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Crête/3.0m/
- Mes.Avg_Channel 80 - Verticale (Verticale)
- Mes.Peak_Channel 42 - Verticale (Verticale)
- Mes.Avg_Channel 42 - Verticale (Verticale)
- Mes.Peak_Channel 2 - Verticale (Verticale)
- Mes.Peak_Channel 80 - Verticale (Verticale)
- Mes.Avg_Channel 2 - Verticale (Verticale)

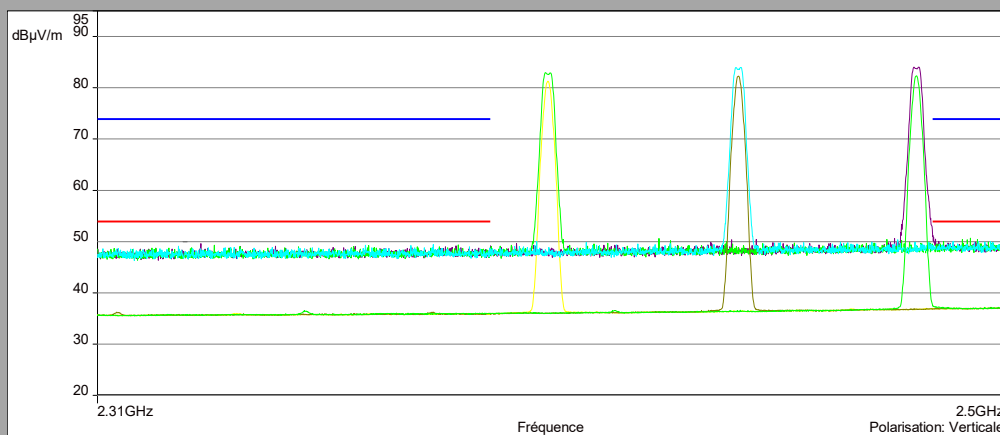
Description Sous-bande 2

Fréquences: 2.31 GHz - 2.5 GHz (Mode analyseur) 32001 Points

Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 2 ms/Pts, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp : On: 10 dB, LN Preamp : Off, Preselecte

Polarisation: Verticale

Distance: 3 m



Horizontal polarization

- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Moyenne/3.0m/
- FCC/FCC 15.209 2400MHz-2483MHz Band - Classe:1 - Crête/3.0m/
- Mes.Peak_Channel 2 - Horizontale (Horizontale)
- Mes.Peak_Channel 80 - Horizontale (Horizontale)
- Mes.Avg_Channel 2 - Horizontale (Horizontale)
- Mes.Avg_Channel 80 - Horizontale (Horizontale)
- Mes.Peak_Channel 42 - Horizontale (Horizontale)
- Mes.Avg_Channel 42 - Horizontale (Horizontale)

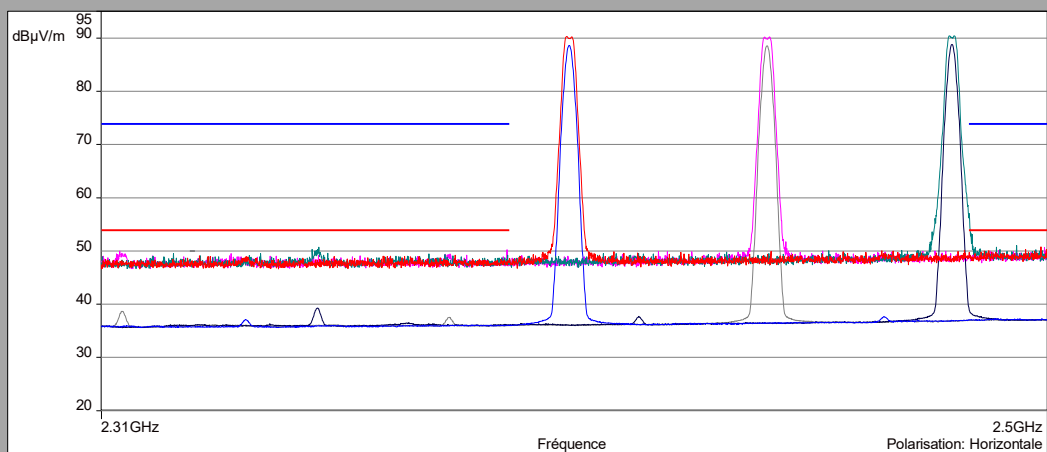
Description Sous-bande 1

Fréquences: 2.31 GHz - 2.5 GHz (Mode analyseur) 32001 Points

Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 2 ms/Pts, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp : On: 10 dB, LN Preamp : Off, Preselecte

Polarisation: Horizontale

Distance: 3 m



Left & Right insoles

9kHz to 30MHz				
Polarization	Frequency (MHz)	Peak Level (dBµV/m)	QPeak Level (dBµV/m)	Limit (dBµV/m)
all emissions were greater than 20 dB below the limit				

Left & Right insoles

Below 1GHz					
Polarization	Frequency (MHz)	Peak Level (dBµV/m)	QPeak Level (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)
Vertical	200	-	20.41	33	12.59
Vertical	216	-	20.23	33	12.77
Vertical	230	-	21.06	35.5	14.44
Vertical	240	-	21.8	35.5	13.7
Vertical	300	-	23.11	35.5	12.39
Vertical	320	-	23.64	35.5	11.86
Vertical	330	-	25.4	35.5	10.1
Vertical	600	-	22.35	35.5	13.15
Horizontal	185	-	20.17	33	12.83
Horizontal	188.3	-	20.17	33	12.83
Horizontal	190.3	-	24.24	33	8.76
Horizontal	197.2	-	24.02	33	8.98
Horizontal	216	-	20.1	33	12.9
Horizontal	230	-	21.06	35.5	14.44
Horizontal	240	-	22.45	35.5	13.05
Horizontal	270	-	22.69	35.5	12.81
Horizontal	360	-	23.18	35.5	12.32
Horizontal	375	-	23.05	35.5	12.45

Left & Right insoles

Above 1GHz								
Cmin/Cnom/Cmax								
Polarization	Frequency (MHz)	Average Level (dBµV/m)	Average Level + Duty Cycle Factor (dBµV/m)	Average Limit (dBµV/m)	Average Margin Level (dBµV/m)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Peak Margin Level (dBµV/m)
Horizontale	2352.07	39.84	39.84	54	14,16	49.85	74	24,15
Horizontale	2390	36.08	36.08	54	17,92	49.56	74	24,44
Verticale	2390	36.01	36.01	54	17,99	48.42	74	25,58
Horizontale	2483.5	37.34	37.34	54	16,66	50.61	74	23,39
Verticale	2483.5	36.71	36.71	54	17,29	48.09	74	25,91
Horizontale	4804.12	34.35	34.35	54	19,65	44.07	74	29,93
Verticale	4959	40.55	40.55	54	13,45	50.23	74	23,77
Horizontale	7206.44	43.46	43.46	54	10,54	51.46	74	22,54

Left & Right insoles

Above 1GHz								
Cmin/Cnom/Cmax								
Polarization	Frequency (MHz)	Average Level (dBμV/m)	Average Level + Duty Cycle Factor (dBμV/m)	Average Limit (dBμV/m)	Average Margin Level (dBμV/m)	Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin Level (dBμV/m)
Horizontale	2352.07	39.33	39.33	54	14,67	50.68	74	23,32
Horizontale	2390	36.28	36.28	54	17,72	47.82	74	26,18
Verticale	2390	35.80	35.80	54	18,2	49.14	74	24,86
Horizontale	2483.5	38.74	38.74	54	15,26	55.37	74	18,63
Verticale	2483.5	38.61	38.61	54	15,39	51.04	74	22,96
Horizontale	7207.3	37.85	37.85	54	16,15	47.88	74	26,12
Verticale	7325	37.01	37.01	54	16,99	48.23	74	25,77

10.7. CONCLUSION

Unwanted Emission in restricted frequency bands measurement performed on the sample of the product **FEETME FTM-DK**, SN: **DK9701000088R & DK9701000078L**, in configuration and description presented in this test report, show levels **compliant** to the 47 CFR PART 15.247 & RSS 247 ISSUE 2 limits.

11. UNCERTAINTIES CHART

47 CFR Part 15.209 & 15.207 Kind of test	Wide uncertainty laboratory (k=2) $\pm x(\text{dB}) / (\text{Hz}) / \text{ms}$	Uncertainty limit
Measurement of conducted disturbances in voltage on the AC power port (9 kHz – 150 kHz)	2,67	3.8
Measurement of conducted disturbances in voltage on the AC power port (150 kHz – 30 MHz)	2,67	3.4
Measurement of conducted disturbances in voltage on the telecommunication port. (AAN)	3,67	5.0
Measurement of conducted disturbances in current (current clamp)	2,73	2.9
Measurement of disturbance power	2,67	4.5
Measurement of radiated magnetic field from 10kHz to 30MHz in SAC V01	4,48	/
Measurement of radiated magnetic field from 10kHz to 30MHz in SAC C01	4,48	/
Measurement of radiated electric field from 30 to 1000MHz in horizontal position on the OATS (Ecuelles)	4,88	6.3
Measurement of radiated electric field from 1 to 18GHz on the Ecuelles site	5.16	/
Measurement of radiated electric field from 30 to 1000MHz in vertical position on the OATS (Ecuelles)	4,99	6.3
Measurement of radiated electric field from 30 to 1000MHz in horizontal position in SAC C01	5,08	6.3
Measurement of radiated electric field from 30 to 1000MHz in vertical position in SAC C01	5,16	6.3
Measurement of radiated electric field from 30 to 1000MHz in horizontal position in SAC V01	5,08	6.3
Measurement of radiated electric field from 30 to 1000MHz in vertical position in SAC V01	5,15	6.3
Measurement of radiated electric field from 1 to 6 GHz C01	5,1	5.2
Measurement of radiated electric field from 1 to 6 GHz V01	4,85	5.2
Measurement of radiated magnetic field from 10kHz to 30MHz on the OATS (Ecuelles)	4,48	/

The uncertainty values calculated by the laboratory are lower than limit uncertainty values defined by the CISPR. The conformity of the sample is directly established by the applicable limits values. This table includes all uncertainties maximum feasible for testing in the laboratory, whether or not made in this report