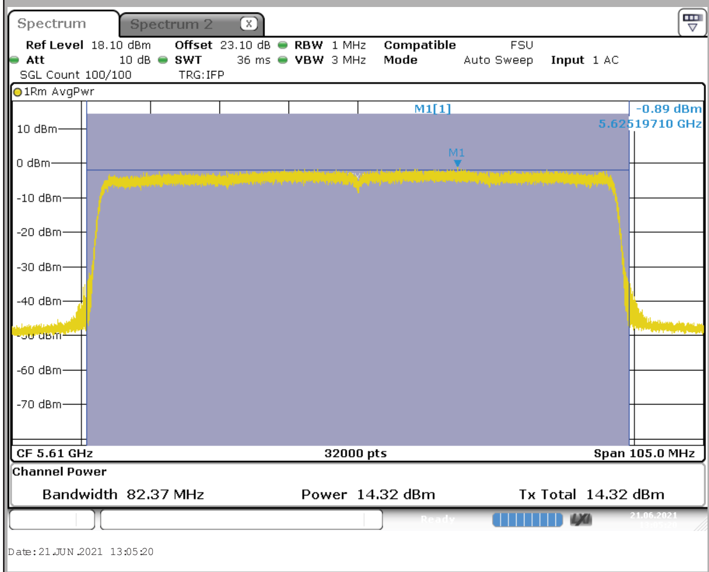
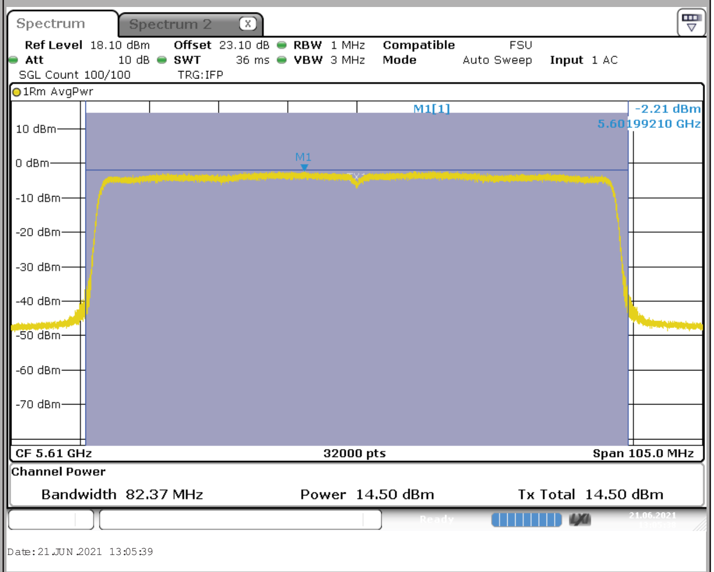
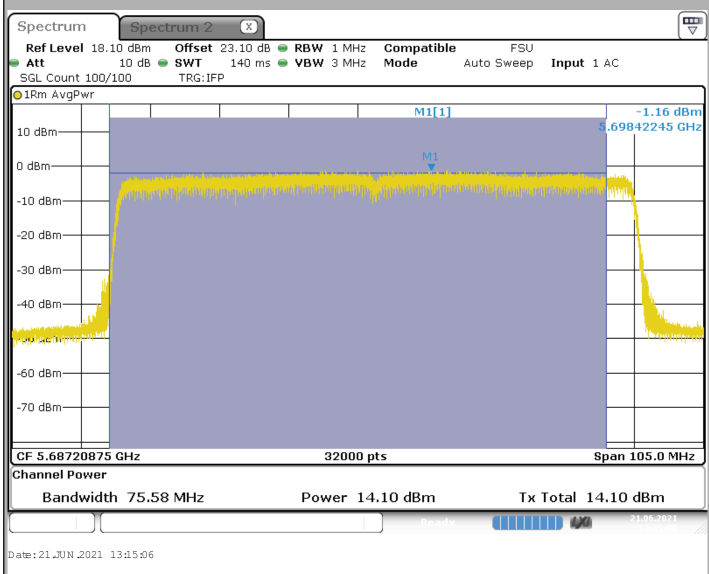
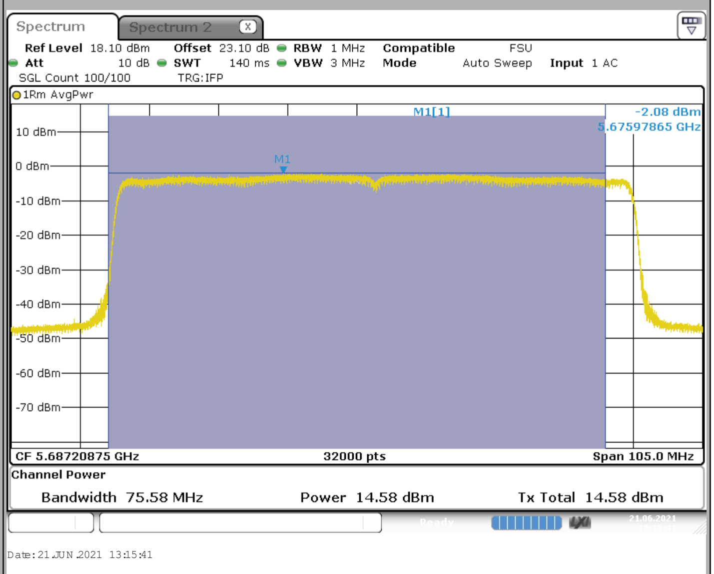
802.11ax VHT80	
C27	
Tx1	Tx2
	

802.11ax VHT80	
C28 Straddle 5470MHz-5725MHz	
Tx1	Tx2
	

802.11ax 20						
Channel	**Tx1 (dBm)**	**Tx2 (dBm)**	**TxAll (dBm)**	**AG (dBi)**	**TPC Min (dBm)**	**TPC Min Limit (dBm)**
C7	14,45	14,6	17,5	4,86	22,4	24
C8	14,8	14,91	17,9	4,86	22,7	24

802.11n HT40/ac VHT40						
Channel	**Tx1 (dBm)**	**Tx2 (dBm)**	**TxAll (dBm)**	**AG (dBi)**	**TPC Min (dBm)**	**TPC Min Limit (dBm)**
C19	14,08	13,76	16,9	4,86	21,8	24
C20	14,23	14,07	17,2	4,86	22,0	24
C21 Straddle 5470MHz-5725MHz	14,03	14,02	17,0	4,86	21,9	24

802.11ax 40						
Channel	**Tx1 (dBm)**	**Tx2 (dBm)**	**TxAll (dBm)**	**AG (dBi)**	**TPC Min (dBm)**	**TPC Min Limit (dBm)**
C19	14,4	14,18	17,3	4,86	22,2	24
C20	14,64	14,49	17,6	4,86	22,4	24
C21 Straddle 5470MHz-5725MHz	14,28	14,16	17,2	4,86	22,1	24

802.11ac VHT80						
Channel	**Tx1 (dBm)**	**Tx2 (dBm)**	**TxAll (dBm)**	**AG (dBi)**	**TPC Min (dBm)**	**TPC Min Limit (dBm)**
C27	14,08	14,37	17,2	4,86	22,1	24
C28 Straddle 5470MHz-5725MHz	13,87	14,14	17,0	4,86	21,9	24

802.11ax 80						
Channel	**Tx1 (dBm)**	**Tx2 (dBm)**	**TxAll (dBm)**	**AG (dBi)**	**TPC Min (dBm)**	**TPC Min Limit (dBm)**
C27	14,32	14,5	17,4	4,86	22,3	24
C28 Straddle 5470MHz-5725MHz	14,1	14,58	17,4	4,86	22,2	24

9.6. *CONCLUSION*

Transmit Power Control measurement performed on the sample of the product **COGECO DIW3930 COGECO**, SN: **6211130035003**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407 & RSS 247 ISSUE 2** limits.

10. AC Power Line Conducted Emissions

10.1. TEST CONDITIONS

Test performed by	: Laurent DENEUX
Date of test	: June 24, 2021
Ambient temperature	: 21 °C
Relative humidity	: 46 %

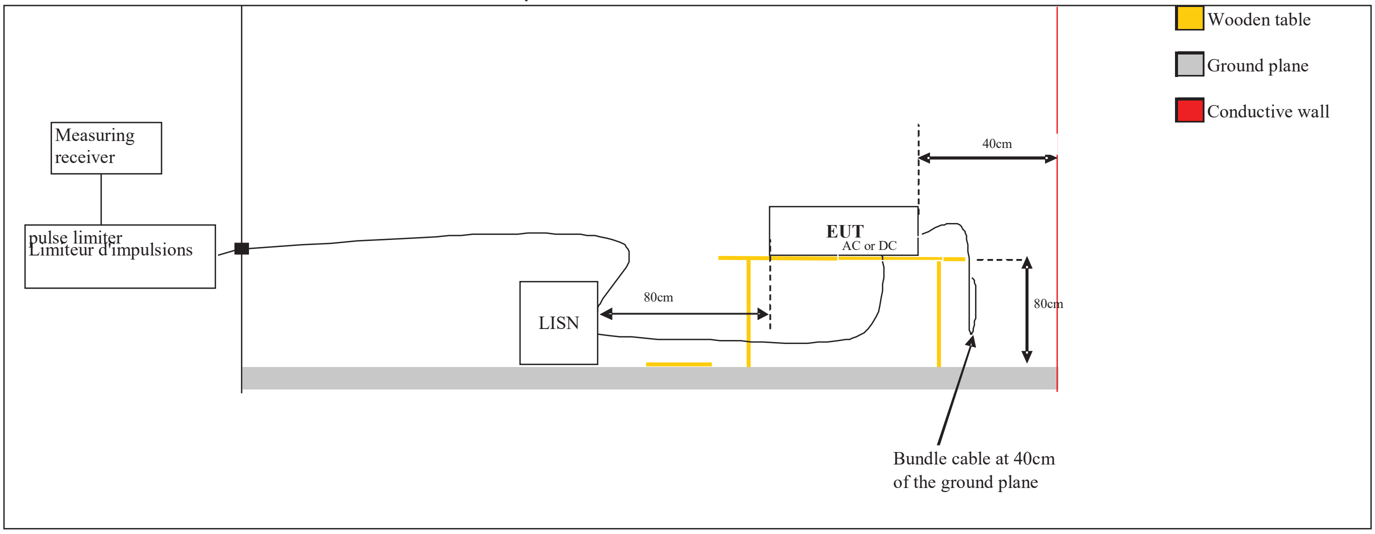
10.2. TEST SETUP

The product has been tested according to ANSI C63.10 method. The EUT is placed on the ground reference plane, at 80cm from the LISN. The distance between the EUT and the vertical ground plane is 40cm. Auxiliaries are powered by another LISN. The cable has been shorted to 1meter length. The EUT is powered through the LISN. Measurement is made with a receiver in peak mode. This was followed by a Quasi-Peak, i.e. CISPR measurement for any strong signal. If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary. The LISN (measure) is 50Ω / 50µH. Interconnecting cables and equipment's were moved to position that maximized emission.

Voltage table used (for Power Line Conducted Emissions):

Type	Measurement performed:	
☑ AC / ☐ DC (Auxiliary used)	☑ 120VAC/60Hz	☑ 240VAC/50Hz
☐ USB (Laptop auxiliary)	☐ 120VAC/60Hz (Laptop auxiliary)	☐ 240VAC/50Hz(Laptop auxiliary)

Test set up of AC Power Line Conducted Emissions



Photograph for AC Power Line Conducted Emissions (Front view)

Photograph for AC Power Line Conducted Emissions (Front view)

10.3. LIMIT

Quasi-Peak
0,15kHz to 0,5MHz: 66dBµV to 56dBµV*
0,5MHz to 5MHz: 56dBµV
5MHz to 30MHz: 60dBµV

Average
0,15kHz to 0,5MHz: 56dBµV to 46dBµV*
0,5MHz to 5MHz: 46dBµV
5MHz to 30MHz: 50dBµV

Frequency range	Level	Detector
0,15kHz to 0,5MHz	66dBµV to 56µV*	QPeak
	56dBµV to 46µV*	Average
0,5MHz to 5MHz	56dBµV	QPeak
	46dBµV	Average
5MHz to 30MHz	60BµV	QPeak
	50dBµV	Average

*Decreases with the logarithm of the frequency

10.4. TEST EQUIPMENT LIST

Test equipment used					
Description	Manufacturer	Model	Identifier	Last Calibration date	Calibration due date
EMI Test Receiver	ROHDE & SCHWARZ	ESU	A2642018	2020-10	2022-10
V ISLN	ROHDE & SCHWARZ	ESH2-Z5	C2322002	2020-10	2021-10
Pulse limiter	ROHDE & SCHWARZ	ESH3-Z2	A2649008	2020-05	2021-05
Cable	-	-	A5329417	2020-12	2021-12
Cable	LCIE	-	A5329589	2020-11	2021-11
Reference ground plan 3 x 3m	L.C.I.E.	-	-	-	-

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

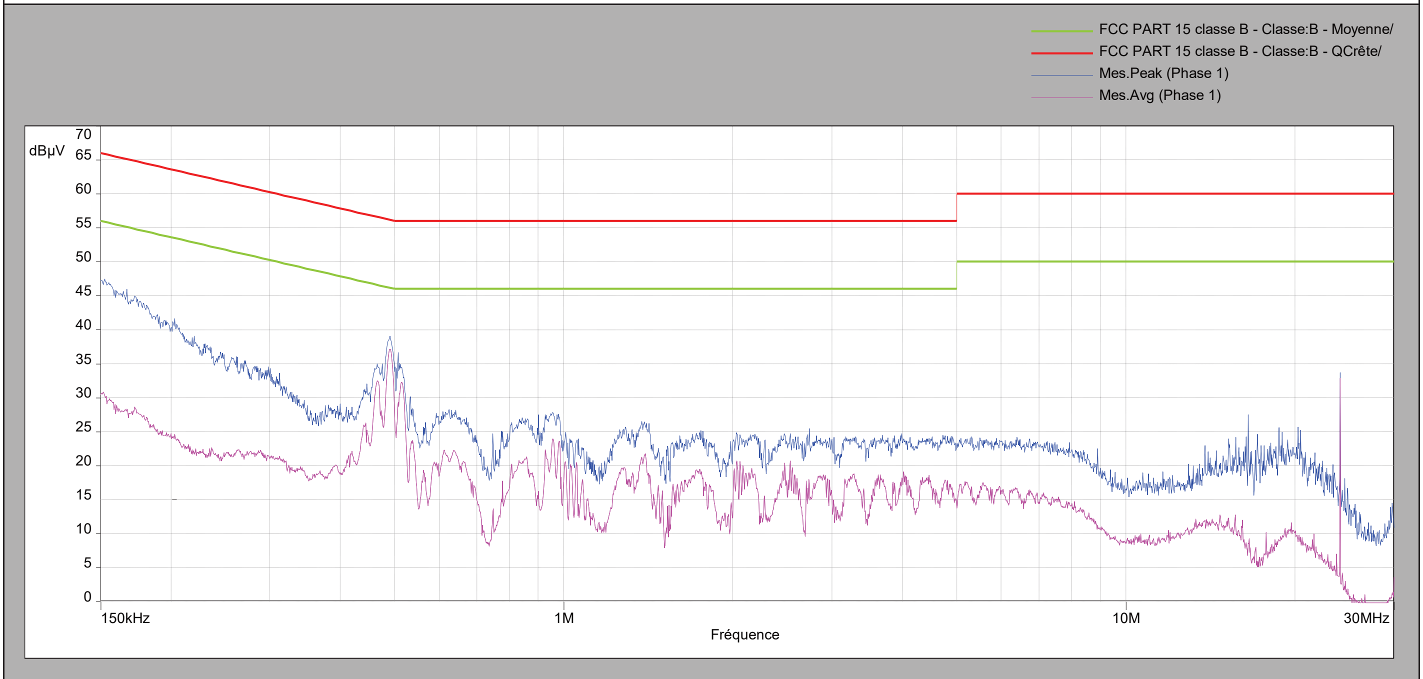
☑ None ☐ Divergence:

10.6. RESULTS

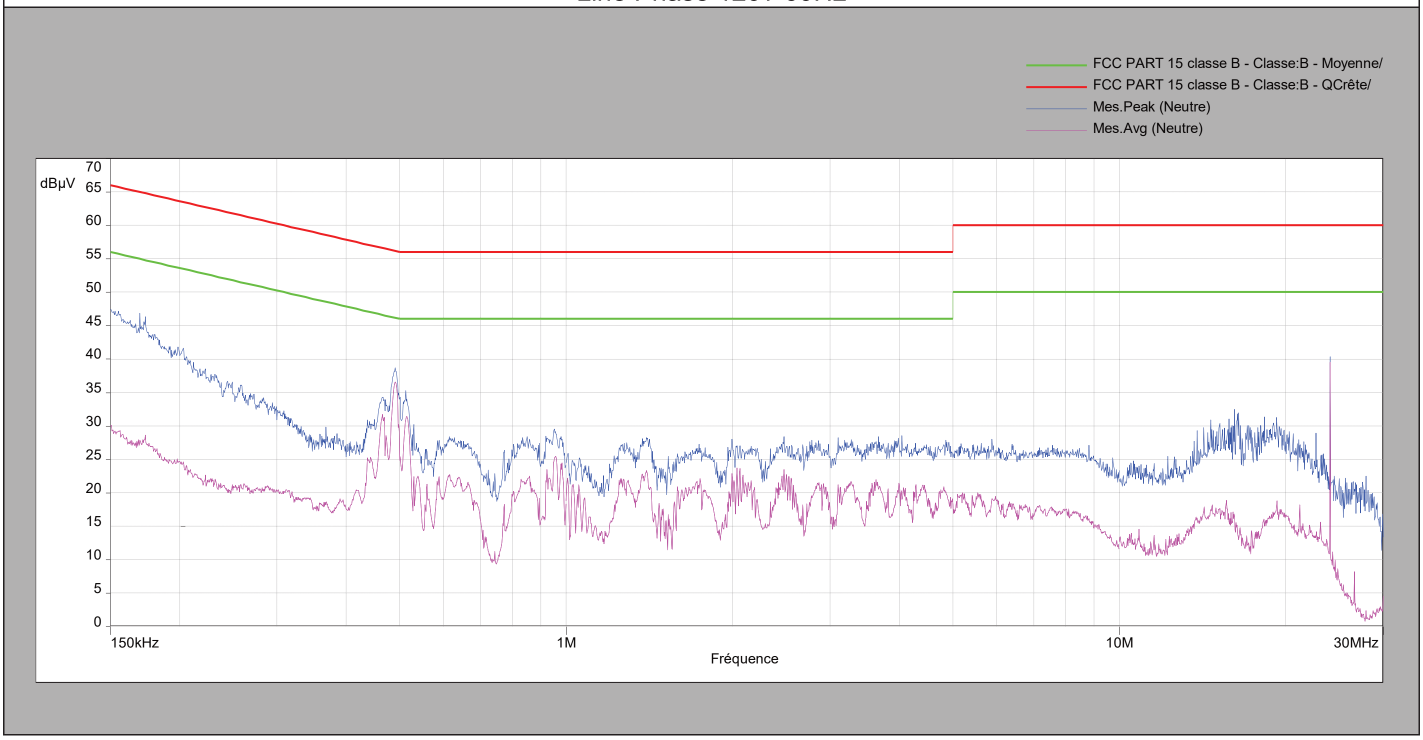
802.11a

C1

Phase 120v-60Hz



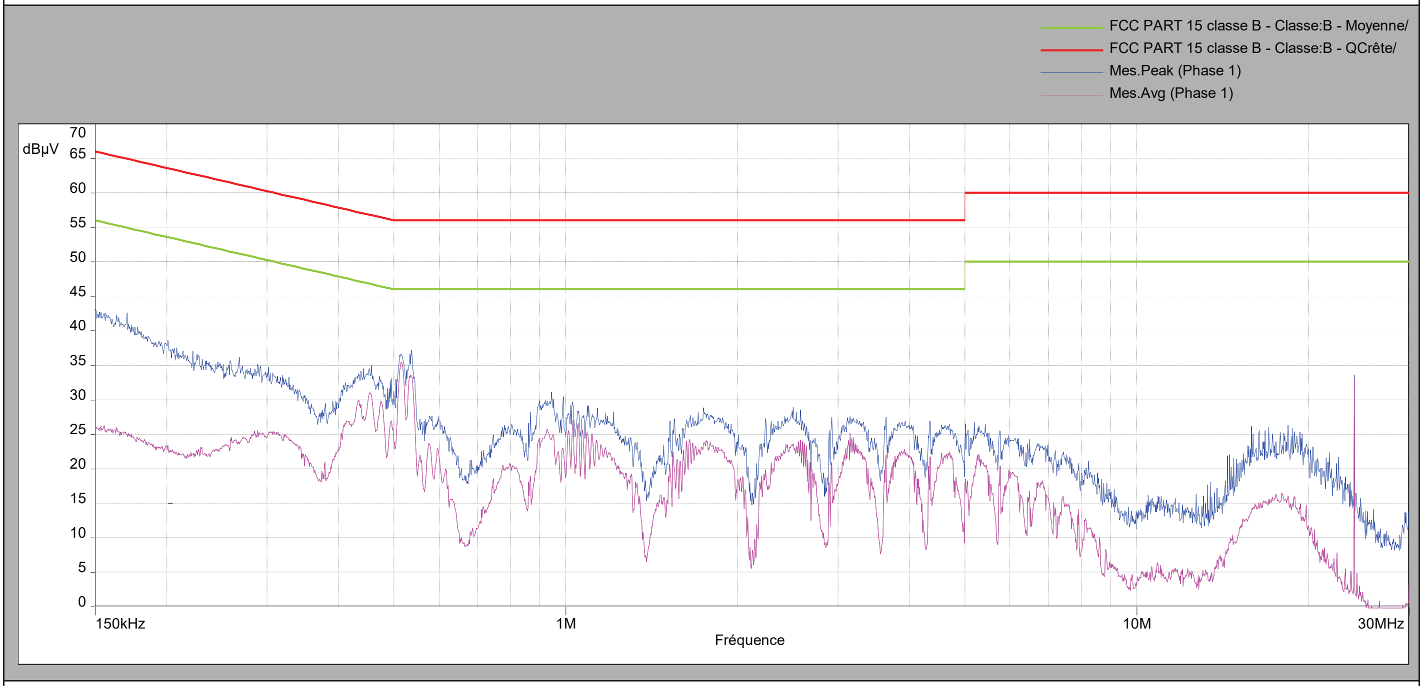
Line Phase 120v-60Hz



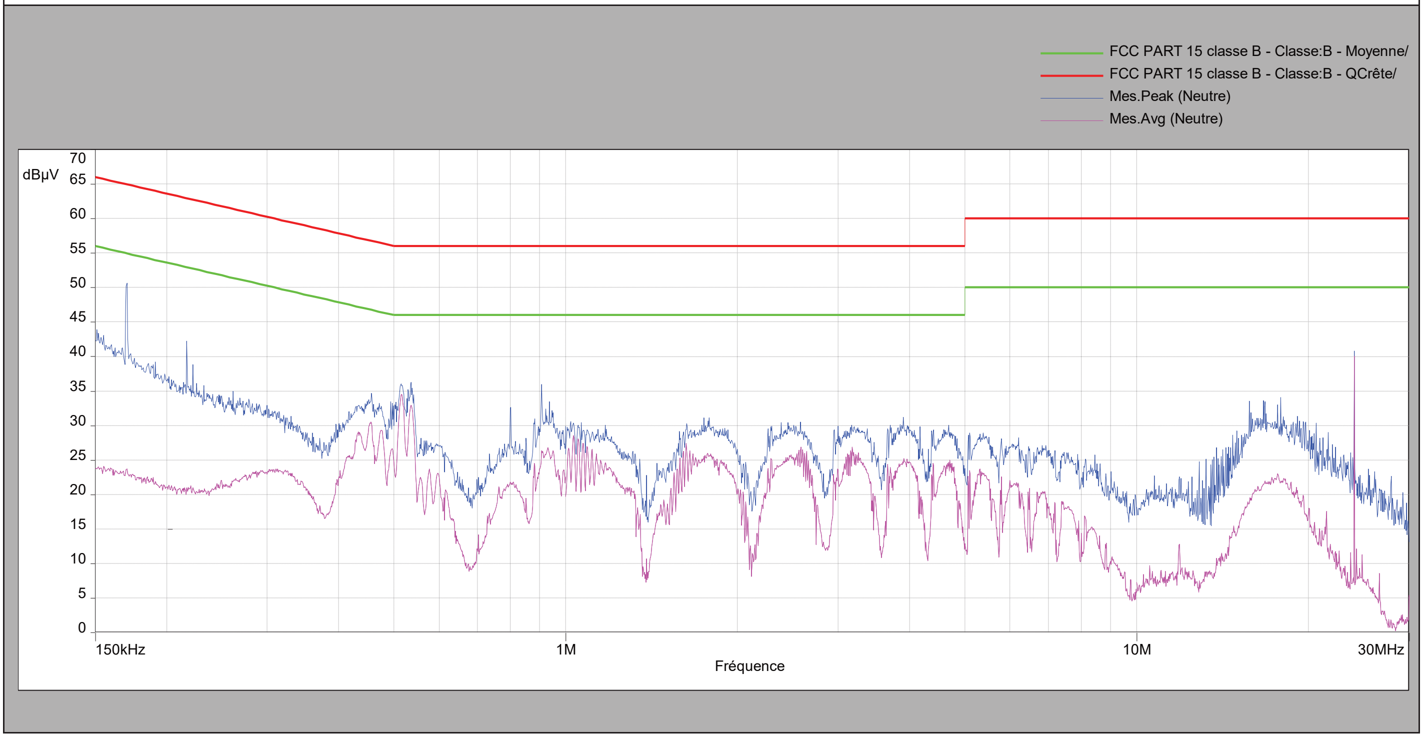
Phase Line 120V-60Hz							
Frequency (MHz)	Peak Level (dBµV)	Quasi-Peak Level (dBµV)	Quasi-Peak Limit (dBµV)	Margin Quasi-Peak (dBµV)	Average Level (dBµV)	Average Limit (dBµV)	Margin Average (dBµV)
0,1525	47,06	-	65,86	18,8	27,98	55,86	27,88
0,4905	38,45	-	56,16	17,71	36,61	46,16	9,55
0,6255	26,29	-	56	29,71	17,85	46	28,15
20,23	22,4	-	60	37,6	6,03	50	43,97
24,046	33,87	-	60	26,13	32,99	50	17,01

Neutral Line 120V-60Hz							
Frequency (MHz)	Peak Level (dBµV)	Quasi-Peak Level (dBµV)	Quasi-Peak Limit (dBµV)	Margin Quasi-Peak (dBµV)	Average Level (dBµV)	Average Limit (dBµV)	Margin Average (dBµV)
0,15	47,7	-	66	18,3	27,91	56	28,09
0,4905	37,99	-	56,16	18,17	35,84	46,16	10,32
16,15	29,59	-	60	30,41	10,34	50	39,66
18,29	27,76	-	60	32,24	11,84	50	38,16
24,046	40,56	-	60	19,44	39,39	50	10,61

802.11a
C1
Phase 240v-50Hz



Line 240v-50Hz



Phase Line 240V-50Hz							
Frequency (MHz)	Peak Level (dBµV)	Quasi-Peak Level (dBµV)	Quasi-Peak Limit (dBµV)	Margin Quasi-Peak (dBµV)	Average Level (dBµV)	Average Limit (dBµV)	Margin Average (dBµV)
0,15	43,71	-	66	22,29	23,79	56	32,21
0,537	35,89	-	56	20,11	33	46	13
0,9435	29,02	-	56	26,98	20,77	46	25,23
18,42	24,24	-	60	35,76	12,15	50	37,85
24,046	34,2	-	60	25,8	33,11	50	16,89

Neutral Line 240V-50Hz							
Frequency (MHz)	Peak Level (dBµV)	Quasi-Peak Level (dBµV)	Quasi-Peak Limit (dBµV)	Margin Quasi-Peak (dBµV)	Average Level (dBµV)	Average Limit (dBµV)	Margin Average (dBµV)
0,1705	40,81	-	64,94	24,13	20,86	54,94	34,08
0,2615	42,66	-	61,38	18,72	19,56	51,38	31,82
0,9075	30,71	-	56	25,29	22,54	46	23,46
1,782	29,8	-	56	26,2	22,85	46	23,15
24,048	40,73	-	60	19,27	39,49	50	10,51

10.7. CONCLUSION

Ac Power Line Conducted Emission measurement performed on the sample of the product **COGECO DIW3930 COGECO**, SN: **6211130035003**, in configuration and description presented in this test report, show levels **compliant** to the 47 CFR PART 15.407 & RSS 247 ISSUE 2 limits.

11. UNWANTED EMISSIONS & UNDESIRABLE EMISSION

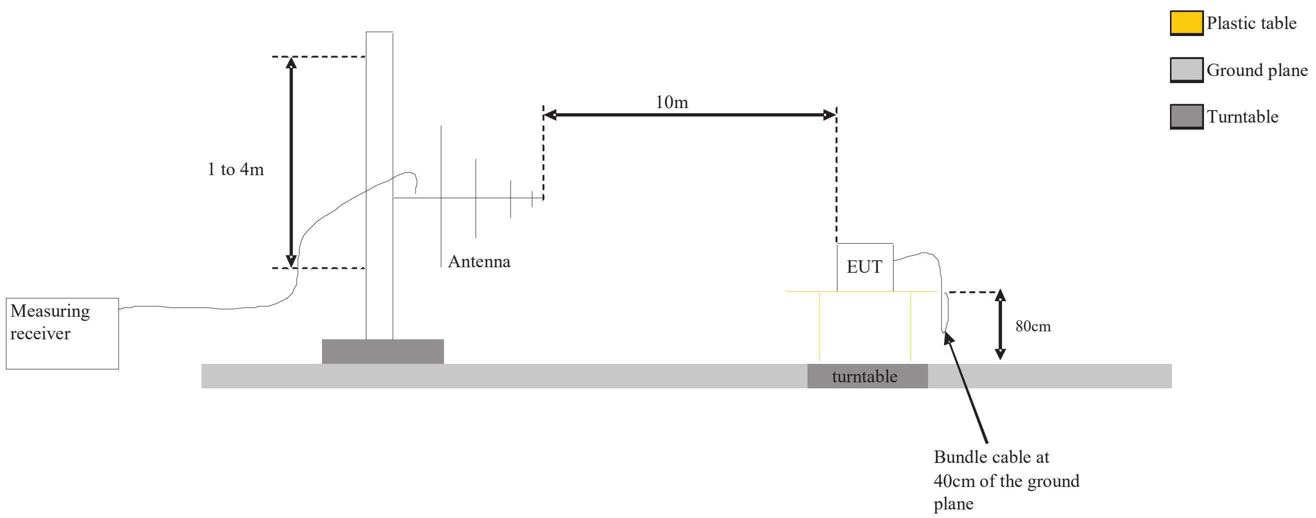
11.1. TEST CONDITIONS

Test performed by	: Armand MAHOUNGOU & Laurent DENEUX
Date of test	: June 9, 2021 to June 24, 2021
Ambient temperature	: 26°C & 24°C
Relative humidity	: 47% & 48%

11.2. TEST SETUP

The product has been tested according to ANSI C63.10 and FCC part 15 subpart C:

Frequency range :	Below 30MHz	From 30MHz to 1GHz	Above 1GHz
Antenna Polarization :	Parallel, Perpendicular And Ground parallel	Horizontal And Vertical	Horizontal And Vertical
Antenna Height :	1m	Varied from 1m to 4m	Varied from 1m to 4m
Antenna Type :	Loop	Bi-Log	Horn
RBW Filter :	200Hz below 150kHz 9kHz above 150kHz	120kHz	1MHz
Maximization :	Turntable rotation of 360 degrees range		
EUT height :	0.8m		1.5m
Test site :	Open Aera Test Site	Open Aera Test Site	Open Aera Test Site
Distance EUT-Antenna :	3m	10m	3m



Test Set up for radiated measurement in open area test site

Photograph for Unwanted Emissions & Undesirable Emission limits

Photograph for Unwanted Emission in restricted frequency bands

11.3. LIMIT

Limit at 3m:

9kHz to 0,490MHz:	2400/F(kHz)µV/m (300m) or 20log(2400/F(kHz))dBµV/m (3m) QPeak
0,490MHz to 1.705MHz:	240000/F(kHz)µV/m (30m) or 20log(240000/F(kHz))dBµV/m (3m) QPeak
1.705MHz to 30MHz:	30µV/m (30m) or dBµV/m (3m) QPeak
30MHz to 88MHz:	40dBµV/m QPeak
88MHz to 216MHz:	43,5dBµV/m QPeak
216MHz to 960MHz:	46dBµV/m QPeak
960MHz to 1000MHz:	54dBµV/m QPeak
Above 1000MHz:	74dBµV/m Peak
	54dBµV/m Average

Limit at 3m:

30MHz to 88MHz:	29.5dBµV/m QPeak
88MHz to 216MHz:	33dBµV/m QPeak
216MHz to 960MHz:	35.5dBµV/m QPeak
960MHz to 1000MHz:	43.5dBµV/m QPeak
Above 1000MHz:	63.5BµV/m Peak
	43.5BµV/m Average

Limit (dBm):

5150MHz-5250MHz: Shall not exceed EIRP of -27dBm/MHz outside of the band
5250MHz-5350MHz: Shall not exceed EIRP of -27dBm/MHz outside of the band
5470MHz-5725MHz: Shall not exceed EIRP of-27dBm/MHz outside of the band

FCC 15.407
5725MHz-5850MHz: Shall not exceed EIRP of-27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of EIRP of 27 dBm/MHz at the band edge.

RSS 247
5725MHz-5850MHz: Within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP. of −27 dBm/MHz.

11.4. TEST EQUIPMENT LIST

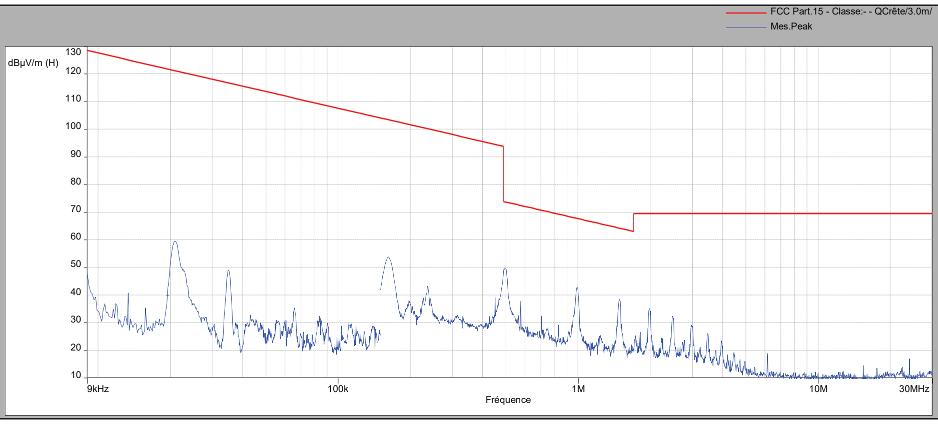
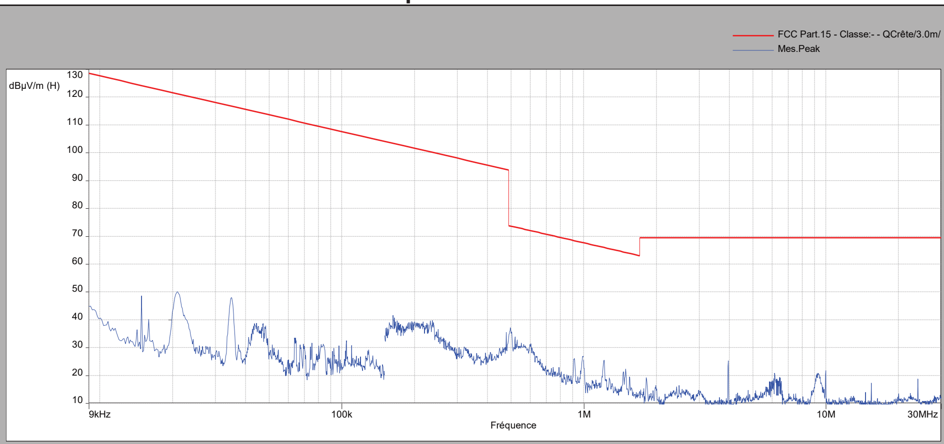
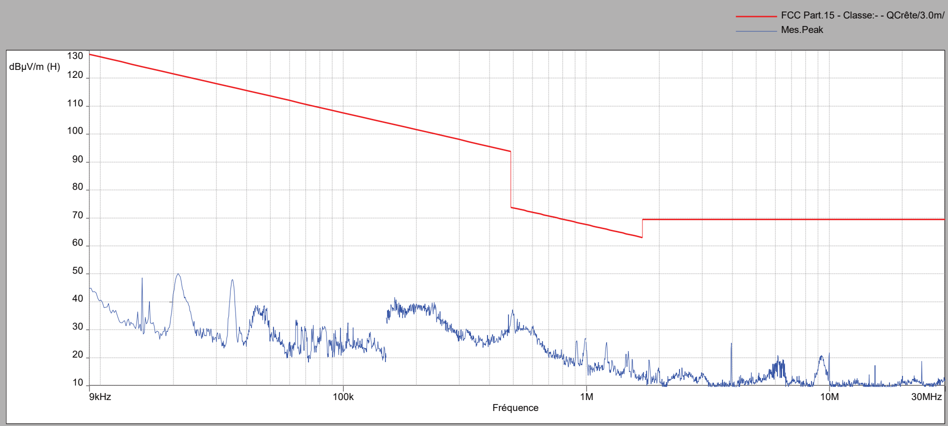
DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
EMI receiver	ROHDE & SCHWARZ	ESR7	A2642026	2019/07	2021/07
Cable + Attenuateur 20dB	PASTERNACK	PE350-150CM	A5329970	2020/09	2021/09
Power supply	KIKUSUI	PCR500M	A7049006	See Multimeter	See Multimeter
Multimeter	KEITHLEY	2000	A1242090	2021/03	2023/03
R&S Commander Software	ROHDE & SCHWARZ	Version 1,6,4	-	-	-
Load 50 ohms	TELEGARTNER	-	A7150103	2021/04	2023/04
Load 50 ohms	TELEGARTNER	-	A7150104	2021/04	2023/04
Open test site	LCIE	-	F2000400	2021-02	2022-02
EMI Test Receiver	ROHDE & SCHWARZ	ESU	A2642018	2020-10	2022-10
Loop antenna	R&S	HFH2-Z2	C2040269	2020-09	2022-09
Cable	-	-	A53291007	2021-02	2022-02
Cable			A5329361	2020-12	2021-12
Antenne bilog	CHASE	CBL 6112A	C2040040	2021-04	2022-04
Cable	-	-	A5329449	2020-12	2021-12
Cable	-	-	A5329876	2020-12	2021-12

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

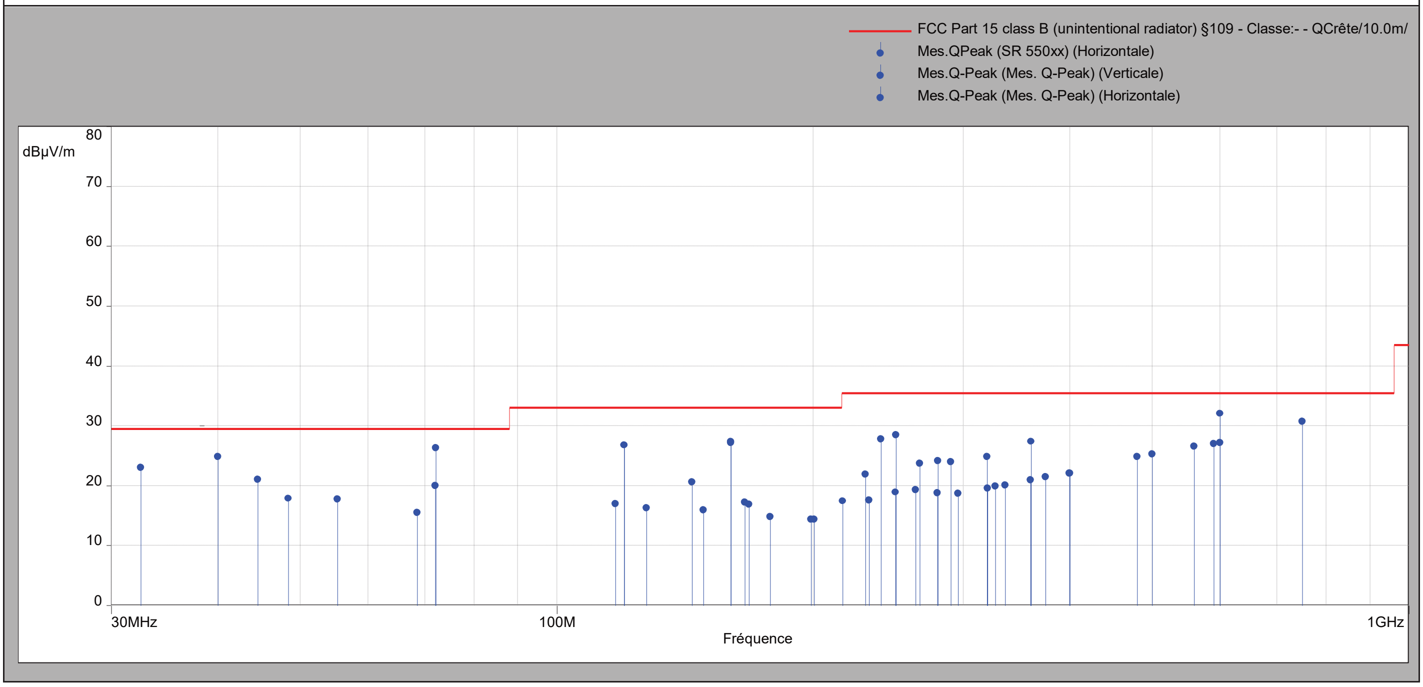
11.5. DIVERGENCE, ADDITION OR SUPPRESSION ON THE TEST SPECIFICATION

☑ None ☐ Divergence:

11.6. RESULTS

9kHz to 30MHz
Parallel Axis

Perpendicular Axis

Ground Parallel Axis


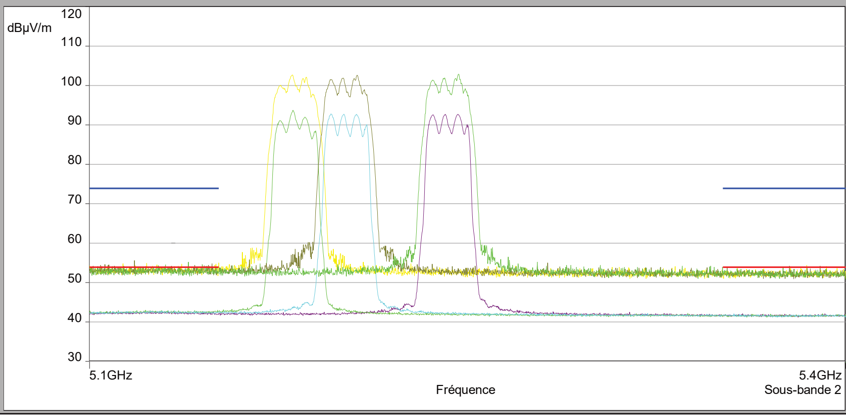
Below 1GHz
802.11a
C1
Vertical & horizontal Polarization



Above 1GHz
802.11a
C1/C2/C3
Vertical Polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak_C3 - Verticale (Verticale)
Mes.Avg_C2 - Verticale (Verticale)
Mes.Peak_C2 - Verticale (Verticale)
Mes.Avg_C1 - Verticale (Verticale)
Mes.Avg_C3 - Verticale (Verticale)
Mes.Peak_C1 - Verticale (Verticale)

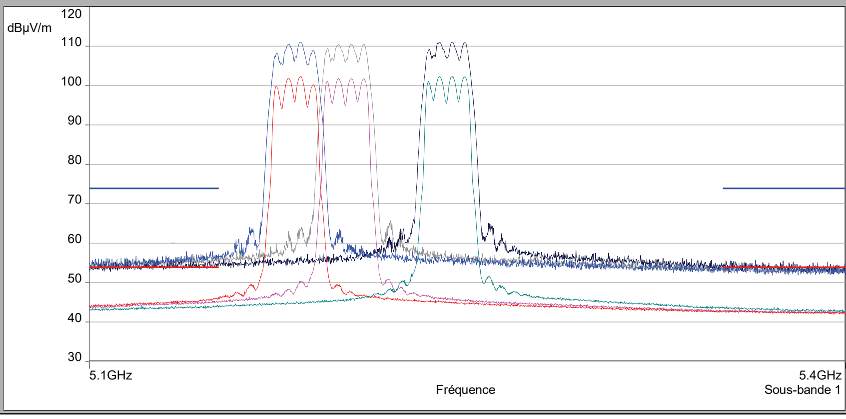
Description Sous-bande 2
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C1 - Horizontale (Horizontale)
Mes.Avg_C3 - Horizontale (Horizontale)
Mes.Peak_C1 - Horizontale (Horizontale)
Mes.Peak_C3 - Horizontale (Horizontale)
Mes.Avg_C2 - Horizontale (Horizontale)
Mes.Peak_C2 - Horizontale (Horizontale)

Description Sous-bande 1
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



Above 1GHz

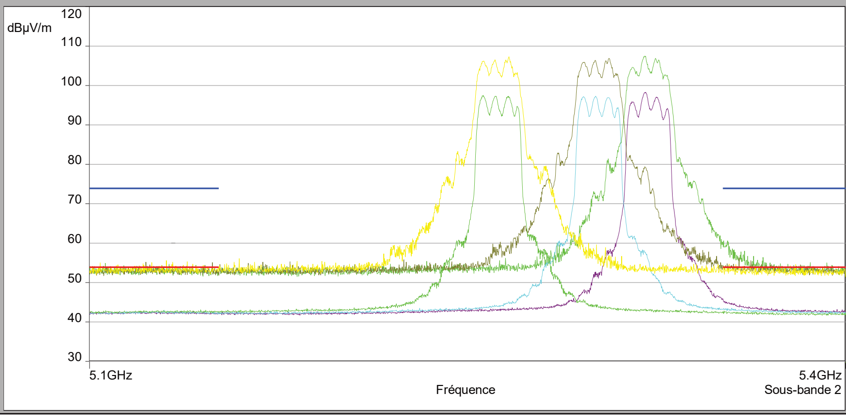
802.11a

C4/C5/C6

Vertical Polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C4 - Verticale (Verticale)
Mes.Peak_C4 - Verticale (Verticale)
Mes.Avg_C5 - Verticale (Verticale)
Mes.Peak_C5 - Verticale (Verticale)
Mes.Avg_C6 - Verticale (Verticale)
Mes.Peak_C6 - Verticale (Verticale)

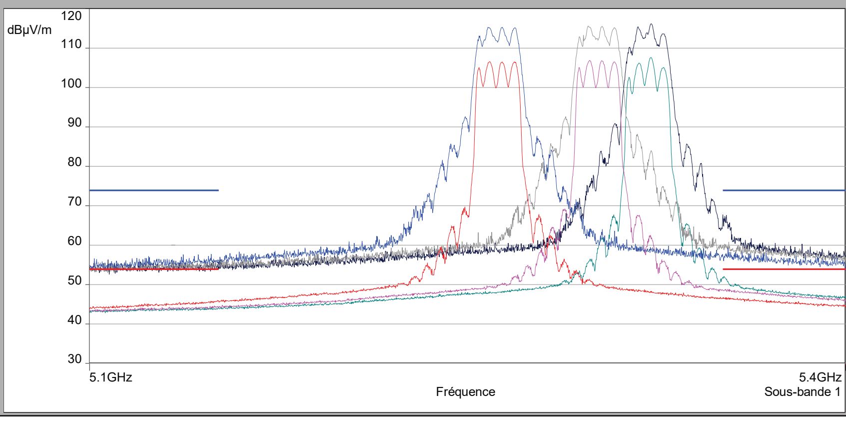
Description Sous-bande 2
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C4 - Horizontale (Horizontale)
Mes.Peak_C4 - Horizontale (Horizontale)
Mes.Avg_C5 - Horizontale (Horizontale)
Mes.Peak_C5 - Horizontale (Horizontale)
Mes.Avg_C6 - Horizontale (Horizontale)
Mes.Peak_C6 - Horizontale (Horizontale)

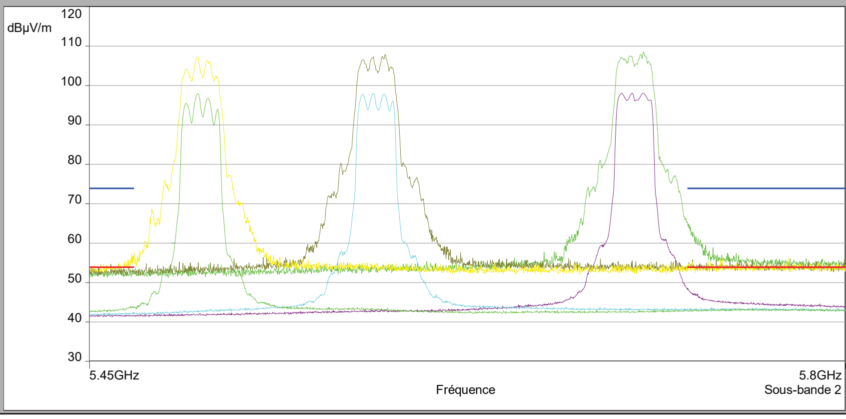
Description Sous-bande 1
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



Above 1GHz
802.11a
C7/C8/C9
Vertical Polarization

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C7 - Verticale (Verticale)
Mes.Peak_C7 - Verticale (Verticale)
Mes.Avg_C8 - Verticale (Verticale)
Mes.Peak_C8 - Verticale (Verticale)
Mes.Avg_C9 - Verticale (Verticale)
Mes.Peak_C9 - Verticale (Verticale)

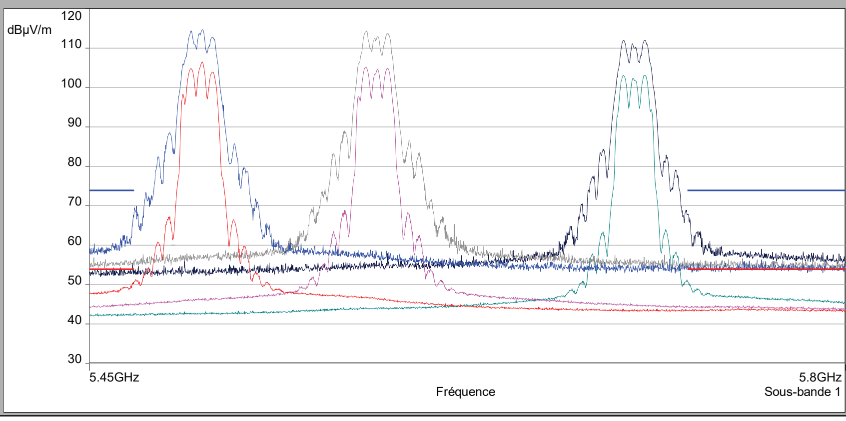
Description Sous-bande 2
Fréquences:5.45 GHz - 5.8 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C7 - Horizontale (Horizontale)
Mes.Peak_C7 - Horizontale (Horizontale)
Mes.Avg_C8 - Horizontale (Horizontale)
Mes.Peak_C8 - Horizontale (Horizontale)
Mes.Avg_C9 - Horizontale (Horizontale)
Mes.Peak_C9 - Horizontale (Horizontale)

Description Sous-bande 1
Fréquences:5.45 GHz - 5.8 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



Above 1GHz

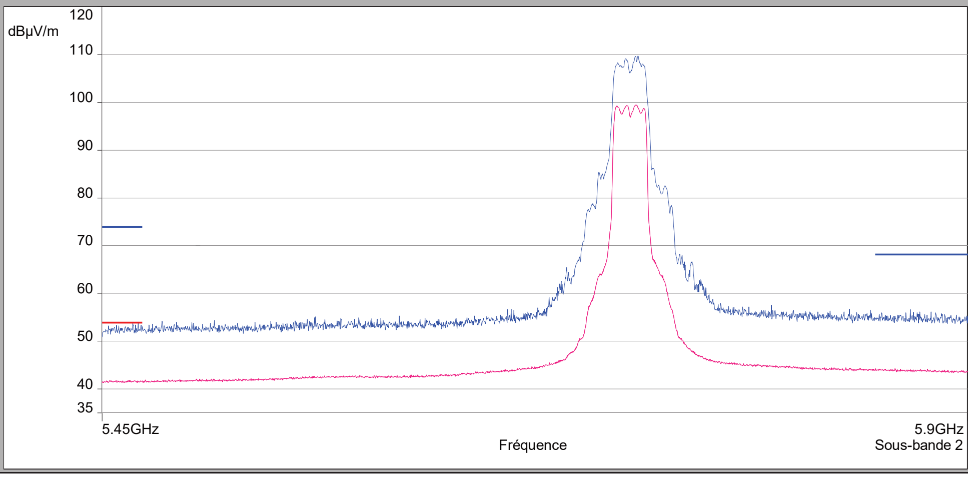
802.11a

C10 Straddle

Vertical Polarization

FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)

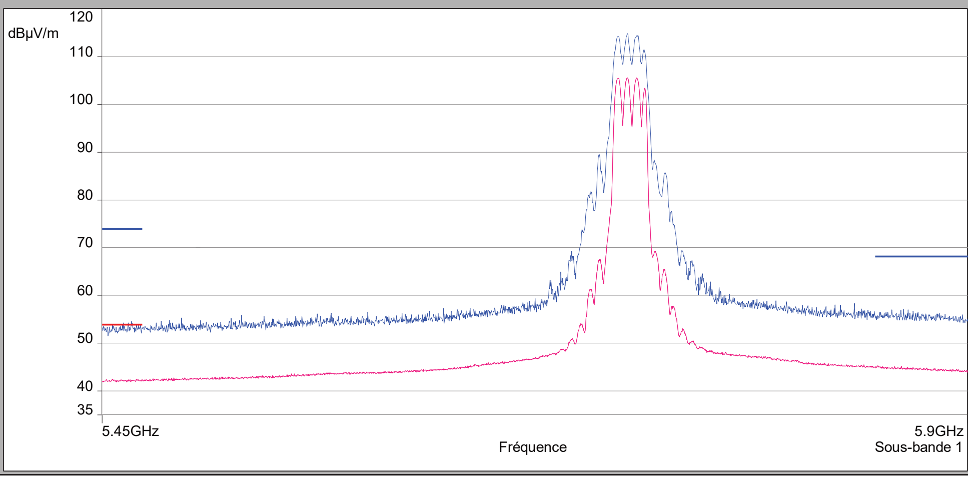
Description Sous-bande 2
Fréquences:5.45 GHz - 5.9 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)

Description Sous-bande 1
Fréquences:5.45 GHz - 5.9 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m

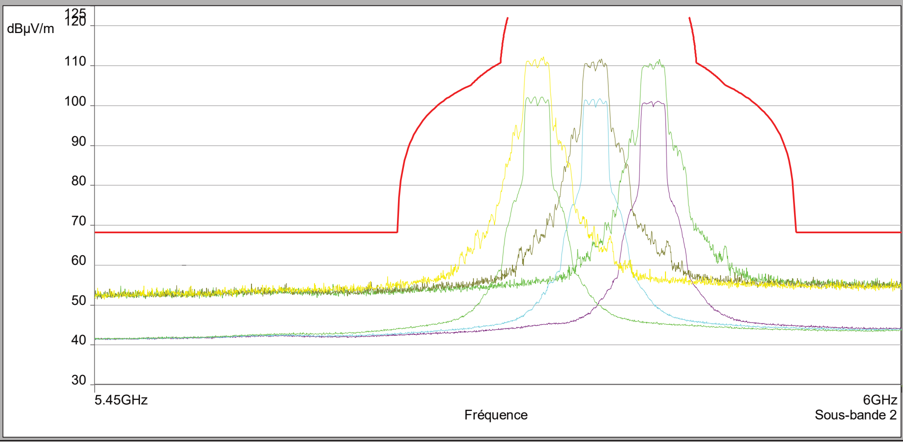


Above 1GHz
802.11a
C11/C12/C13

Vertical Polarization

FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg_C11 - Verticale (Verticale)
Mes.Peak_C11 - Verticale (Verticale)
Mes.Avg_C12 - Verticale (Verticale)
Mes.Peak_C12 - Verticale (Verticale)
Mes.Avg_C13 - Verticale (Verticale)
Mes.Peak_C13 - Verticale (Verticale)

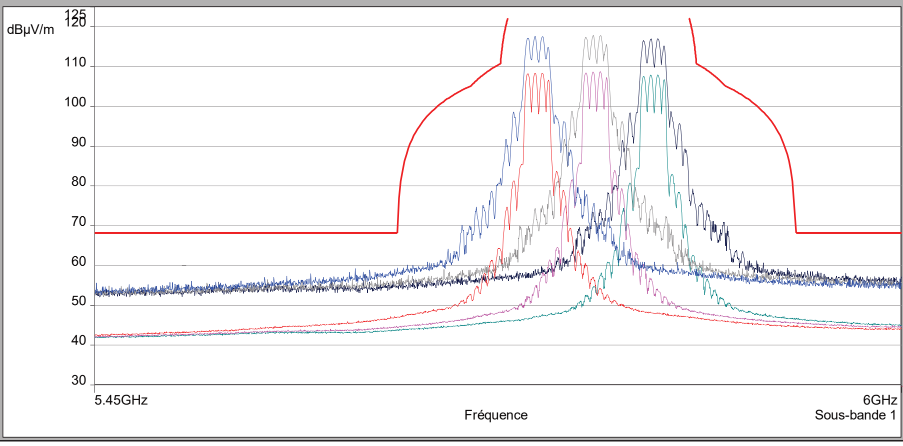
Description Sous-bande 2
Fréquences:5.45 GHz - 6 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



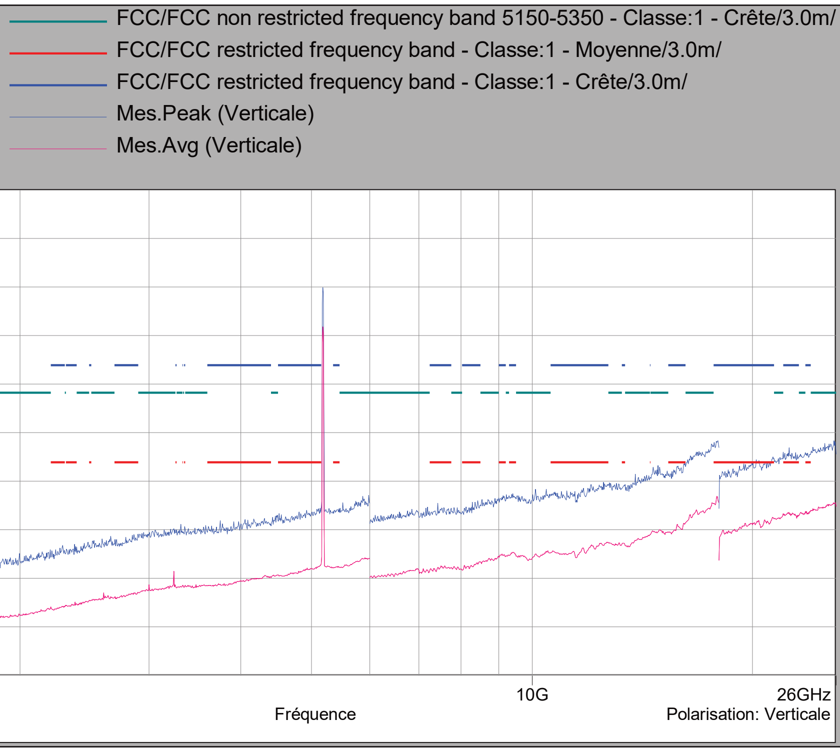
Horizontal polarization

FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg_C11 - Horizontale (Horizontale)
Mes.Peak_C11 - Horizontale (Horizontale)
Mes.Avg_C12 - Horizontale (Horizontale)
Mes.Peak_C12 - Horizontale (Horizontale)
Mes.Avg_C13 - Horizontale (Horizontale)
Mes.Peak_C13 - Horizontale (Horizontale)

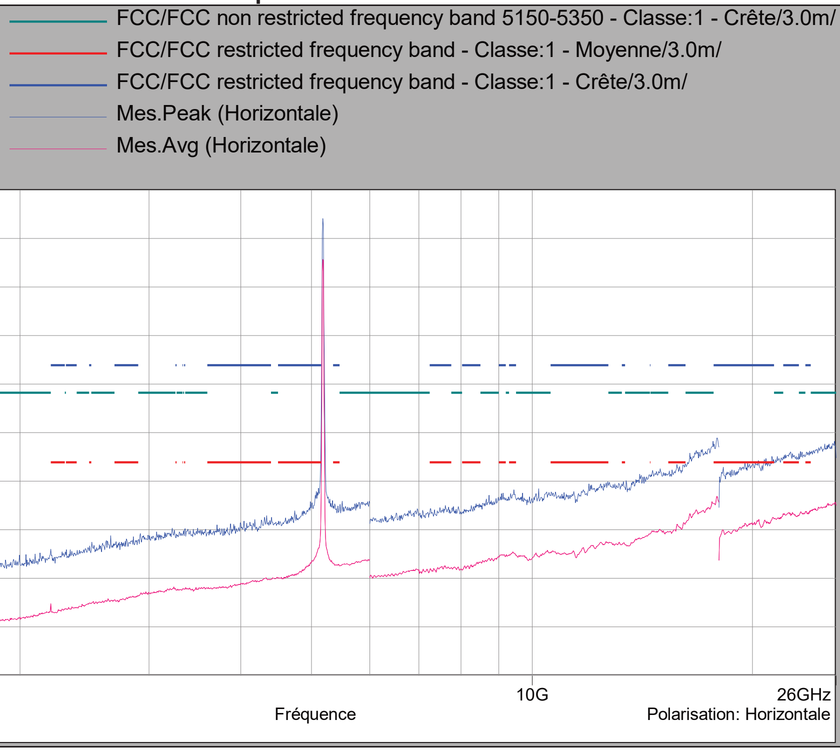
Description Sous-bande 1
Fréquences:5.45 GHz - 6 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



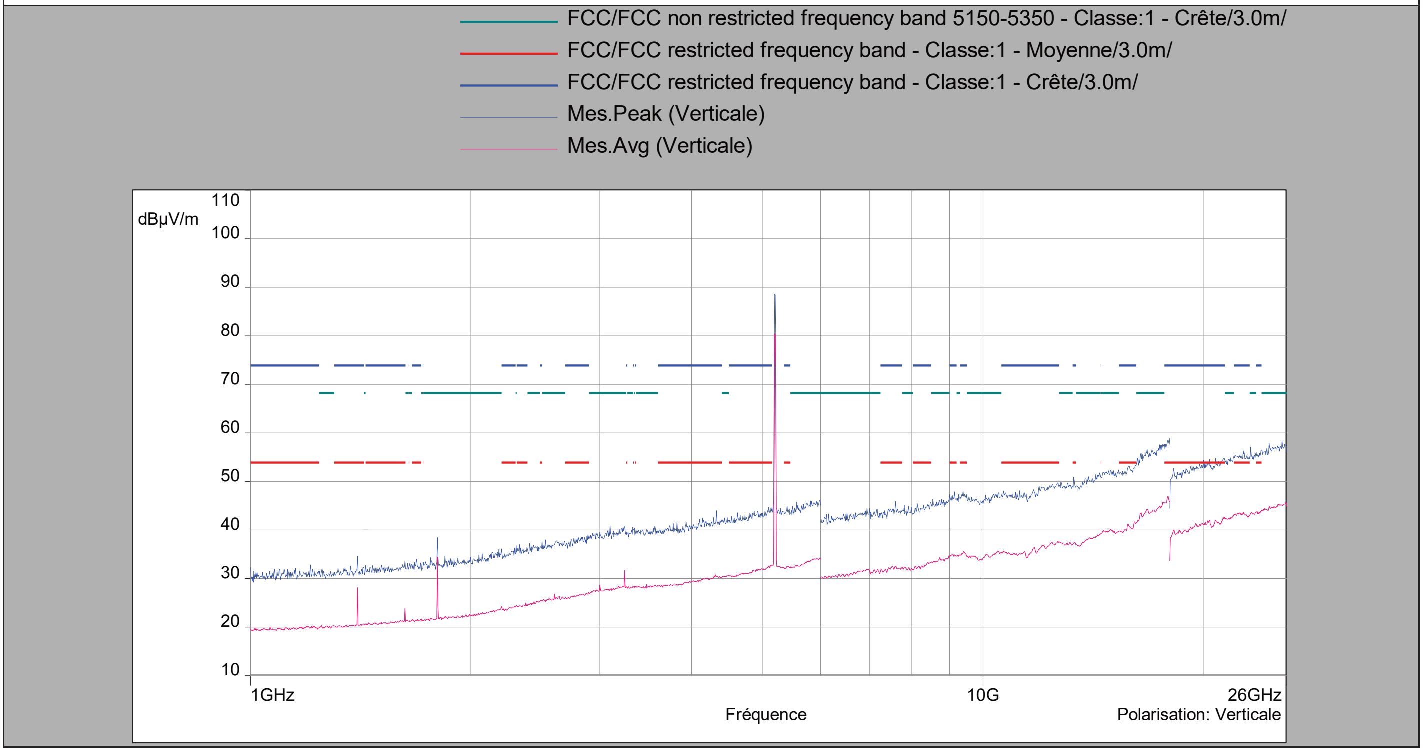
Above 1GHz
802.11a
C1
Vertical Polarization



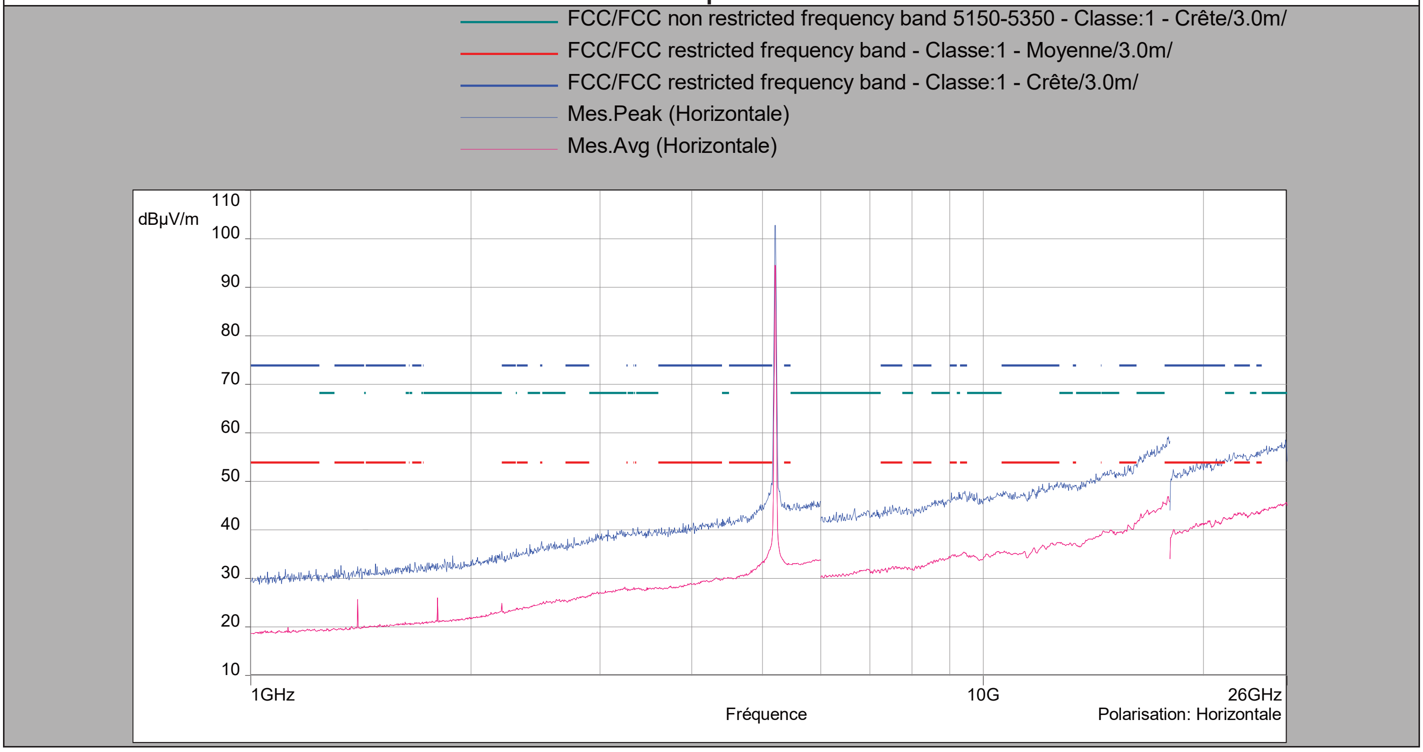
Horizontal polarization



Above 1GHz
802.11a
C2
Vertical Polarization

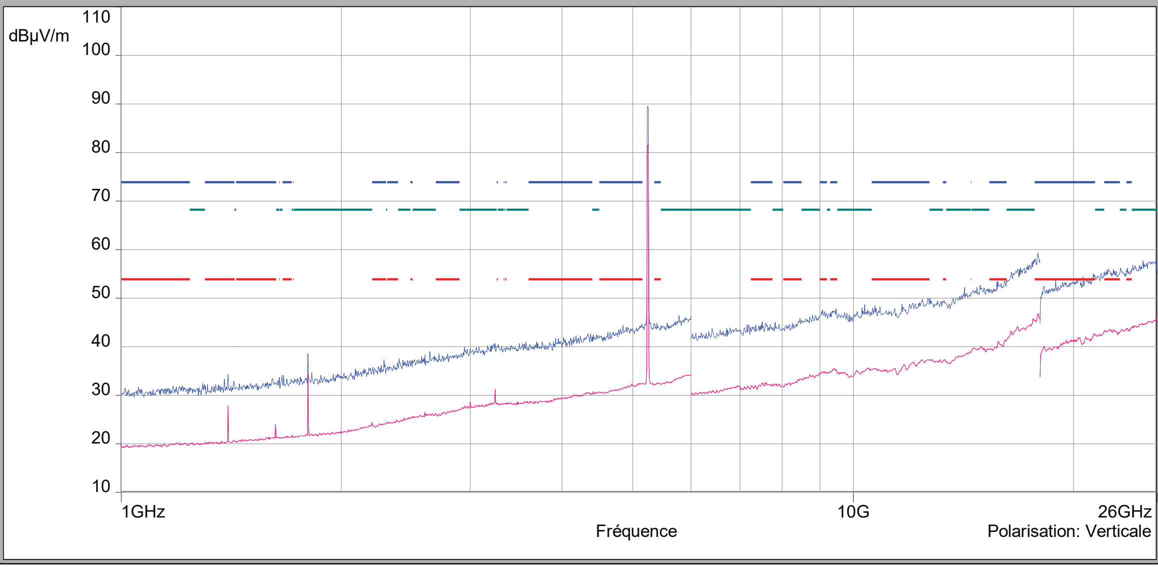


Horizontal polarization



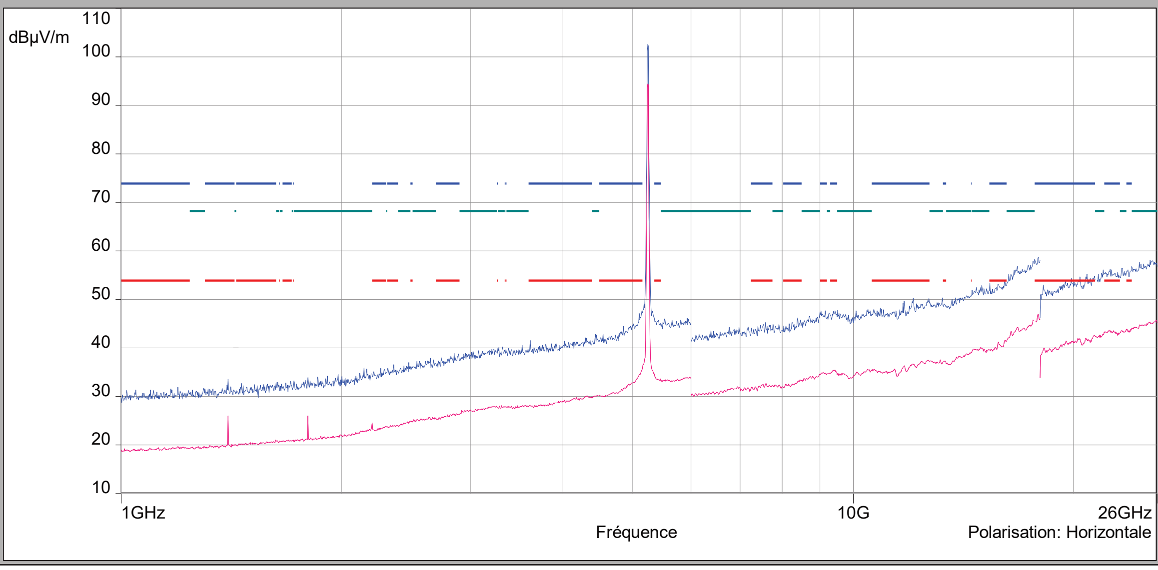
Above 1GHz
802.11a
C3
Vertical Polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



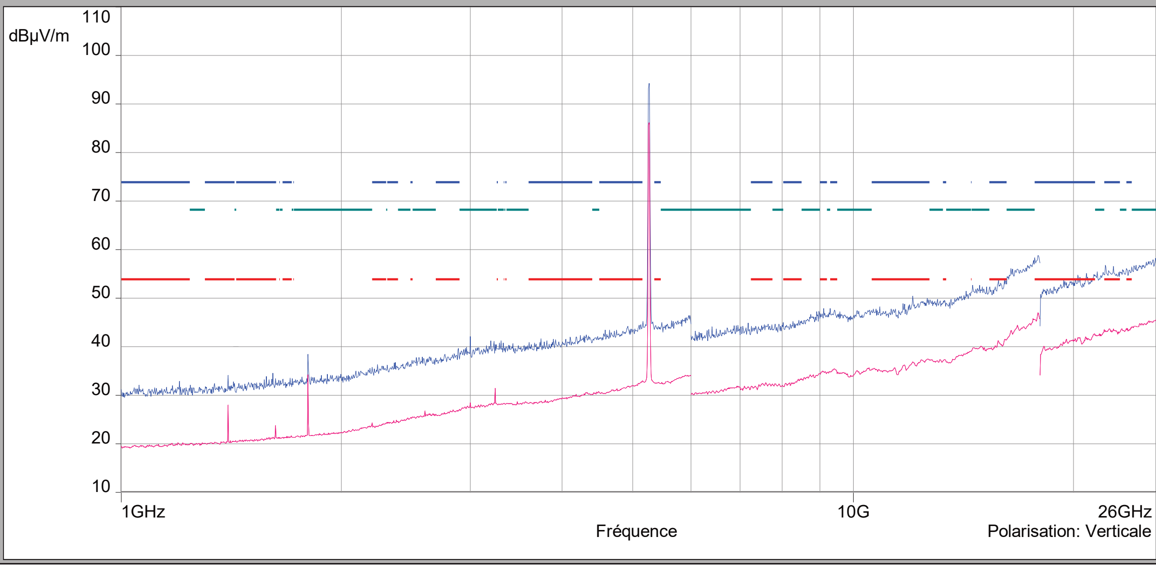
Horizontal polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



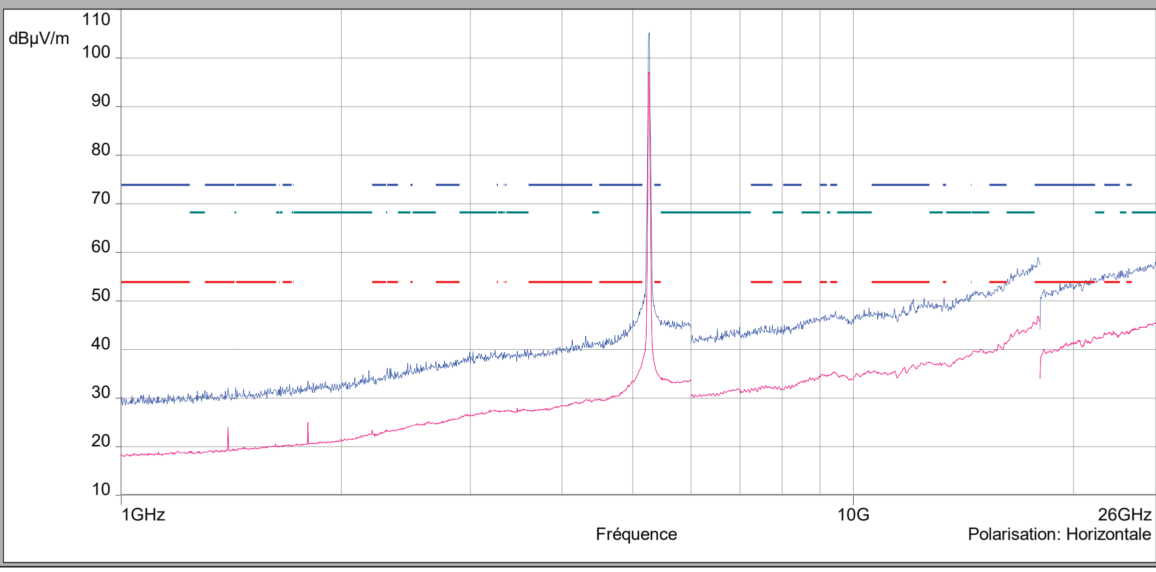
Above 1GHz
802.11a
C4
Vertical Polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



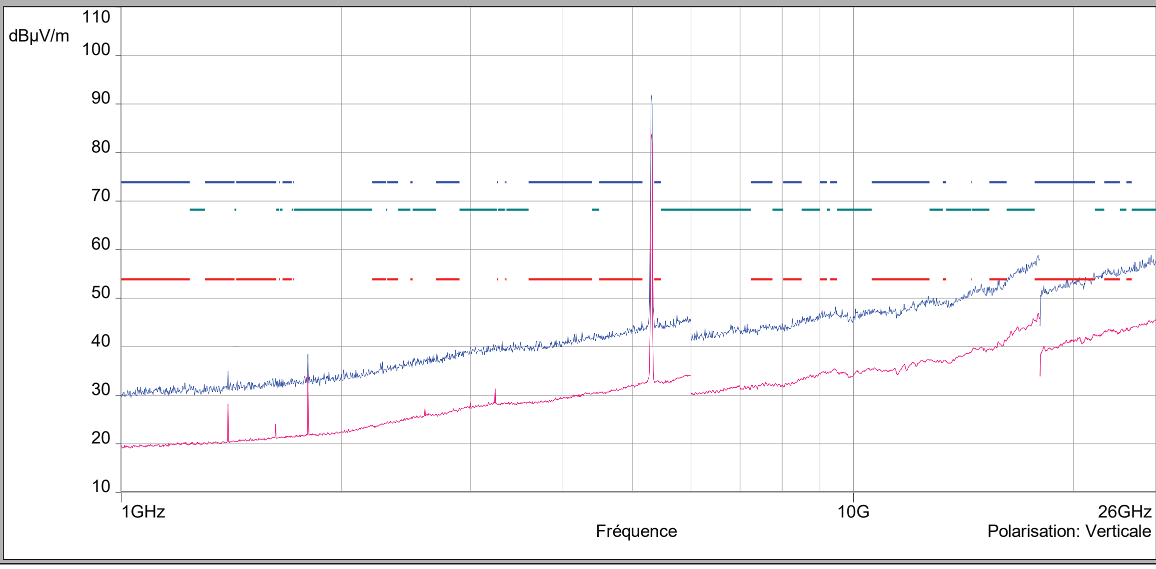
Horizontal polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



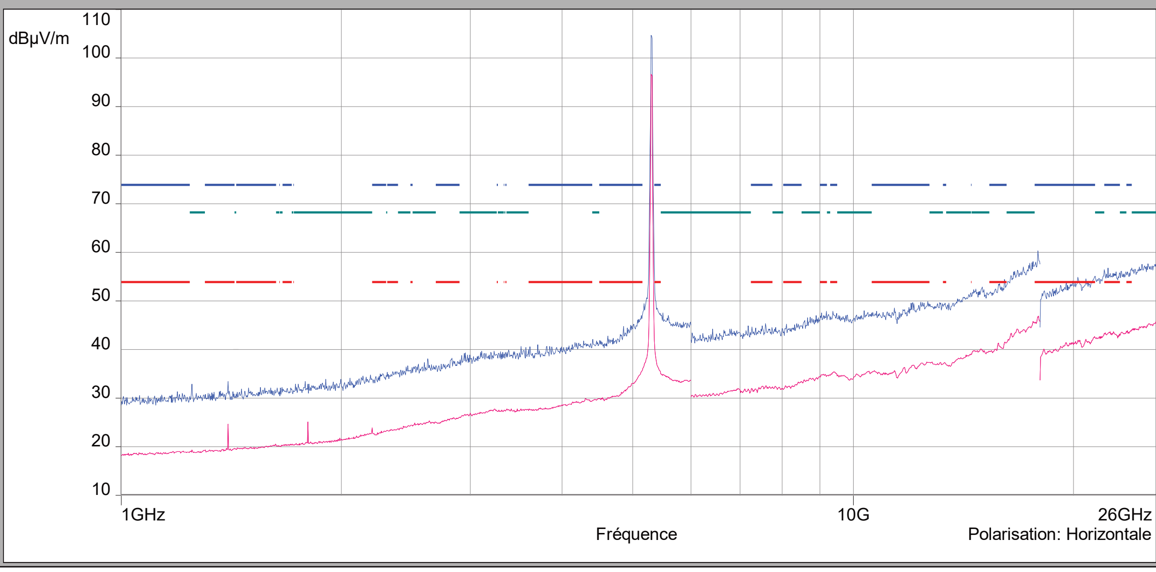
Above 1GHz
802.11a
C5
Vertical Polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



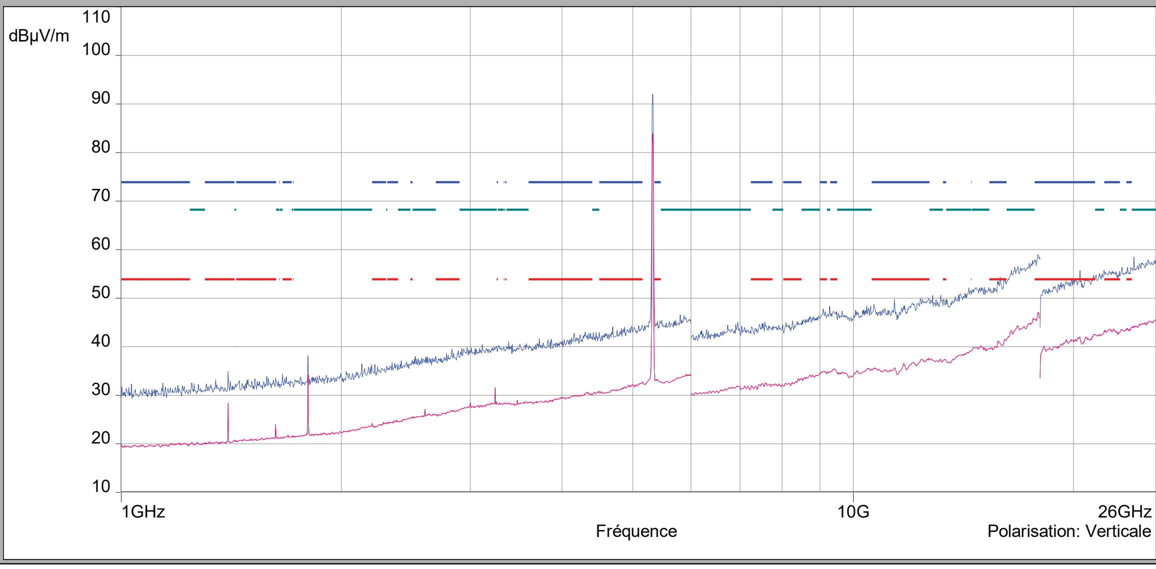
Horizontal polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



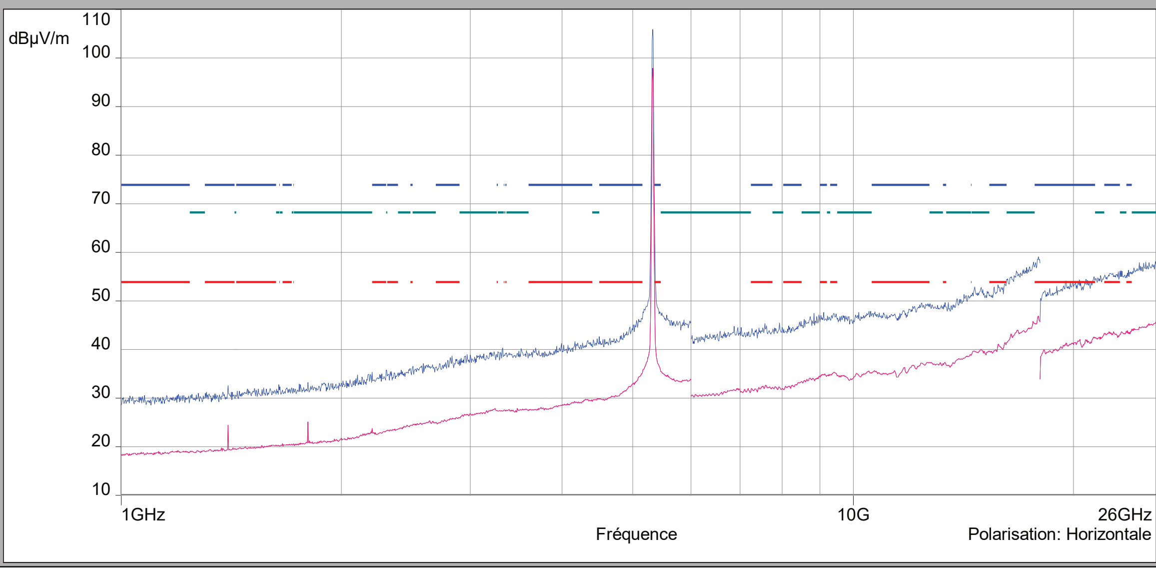
Above 1GHz
802.11a
C6
Vertical Polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



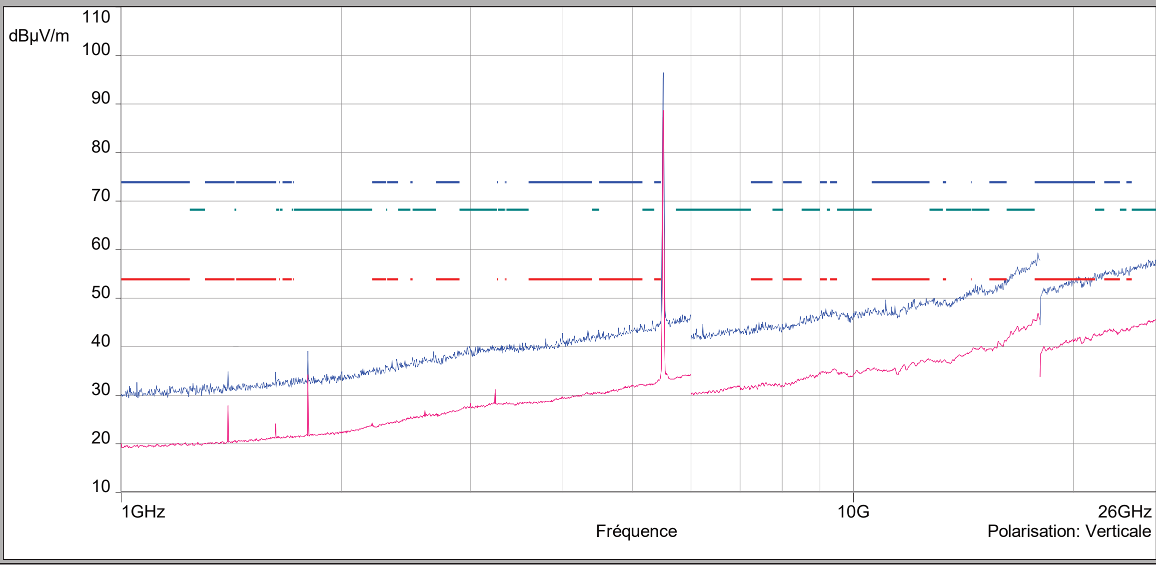
Horizontal polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



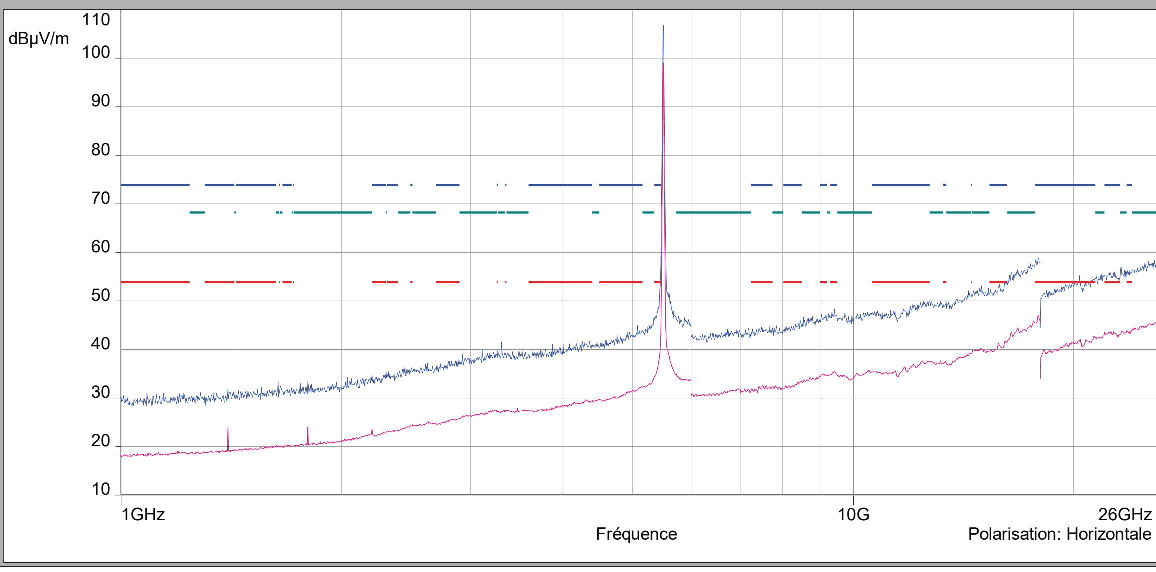
Above 1GHz
802.11a
C7
Vertical Polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



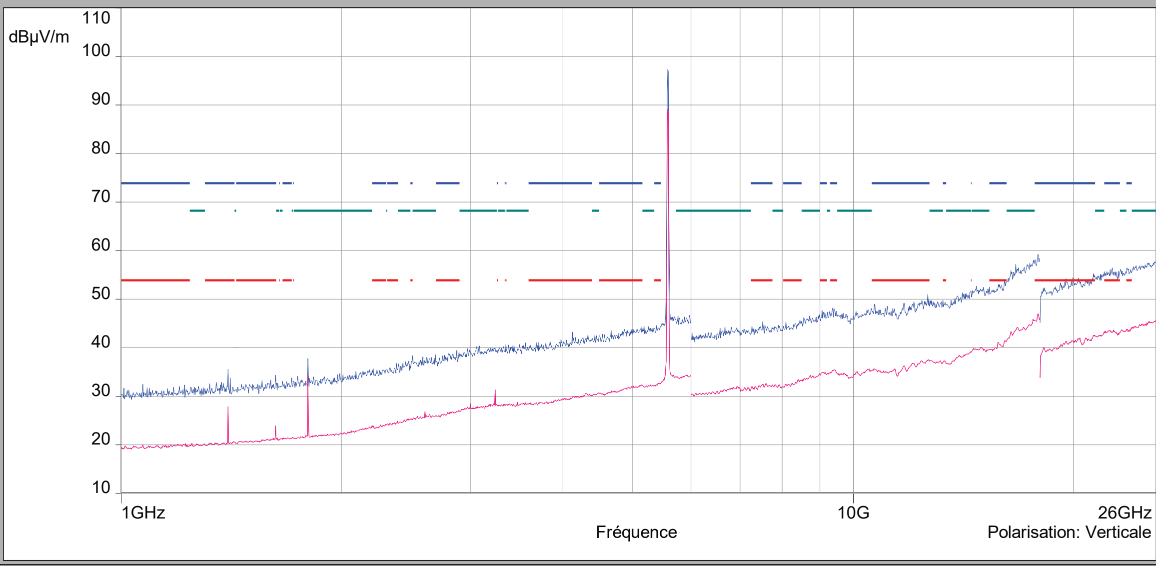
Horizontal polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



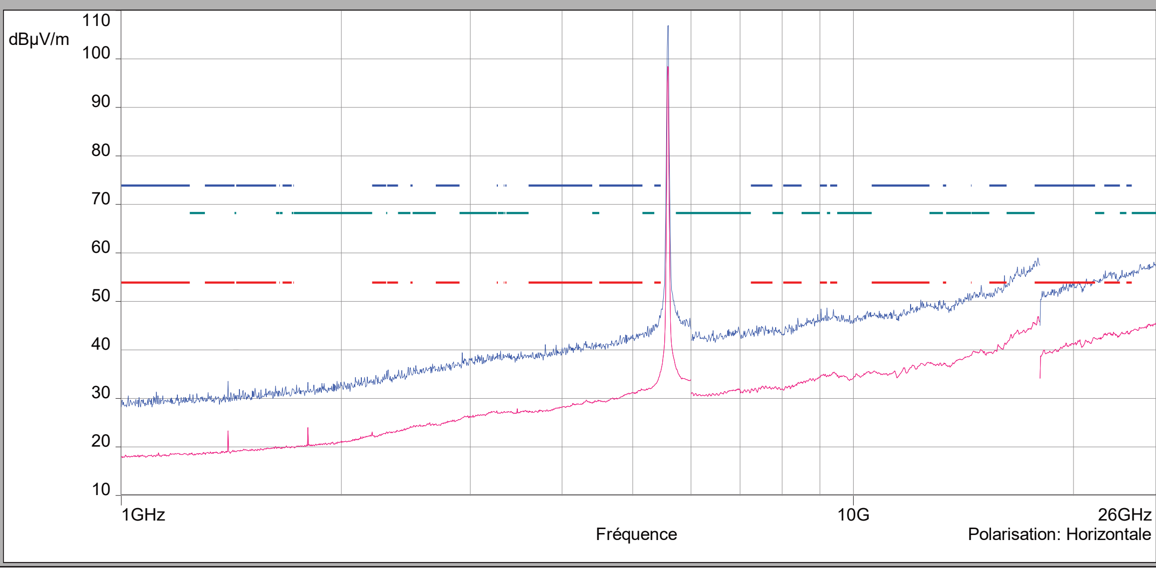
Above 1GHz
802.11a
C8
Vertical Polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)

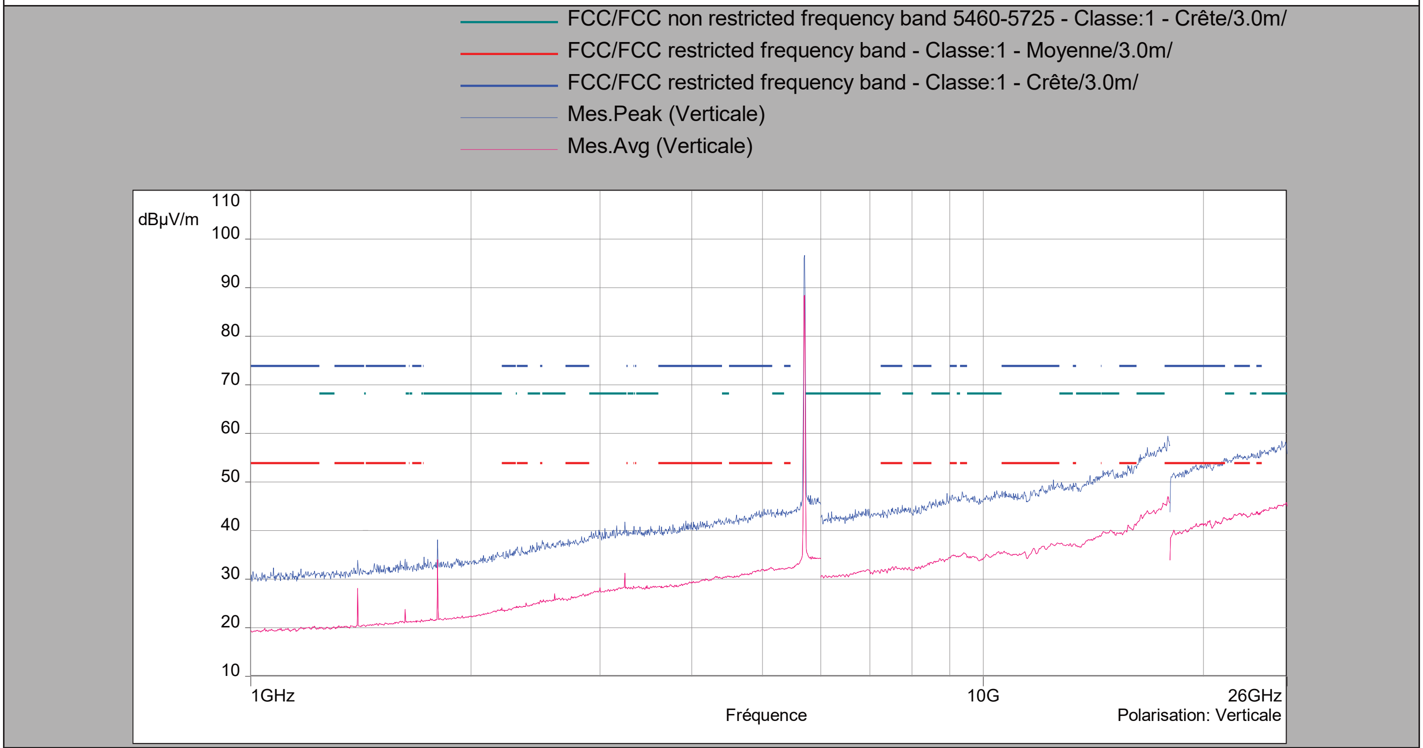


Horizontal polarization

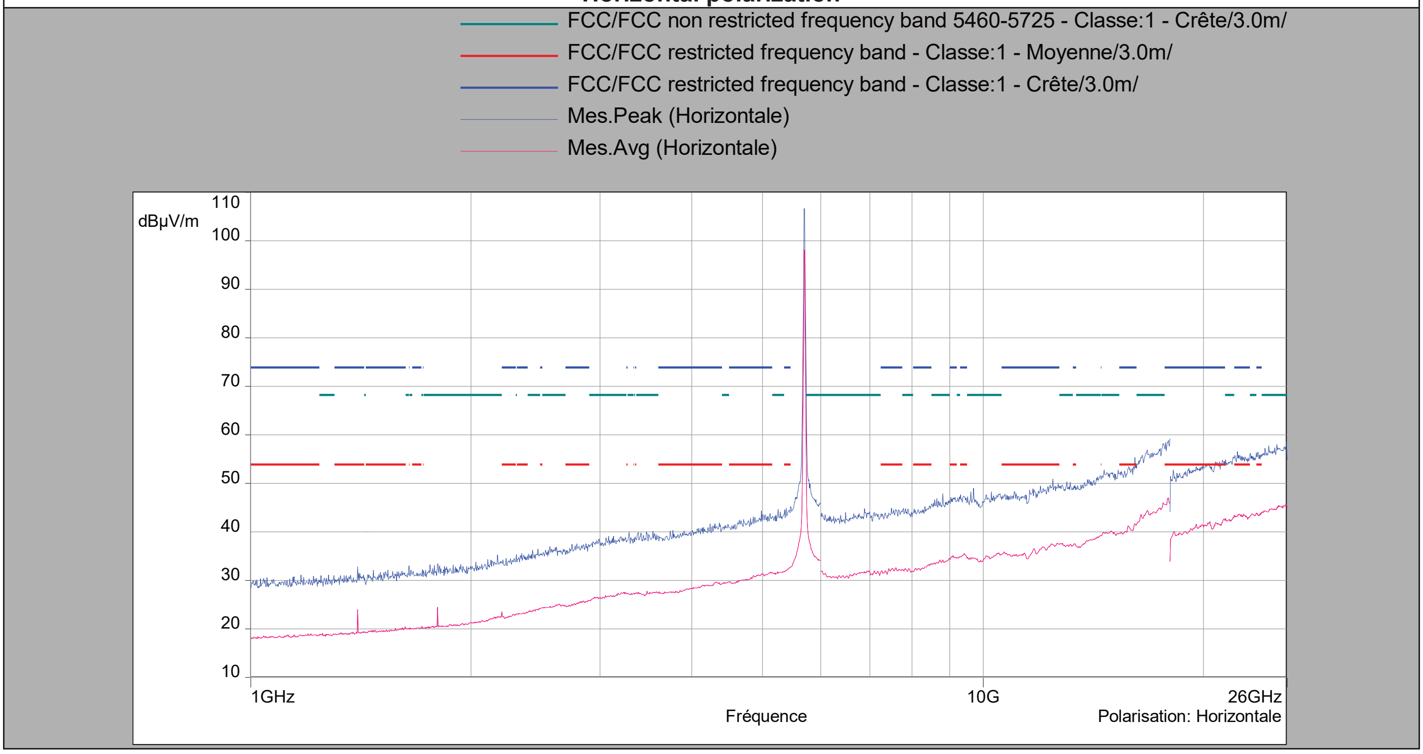
FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



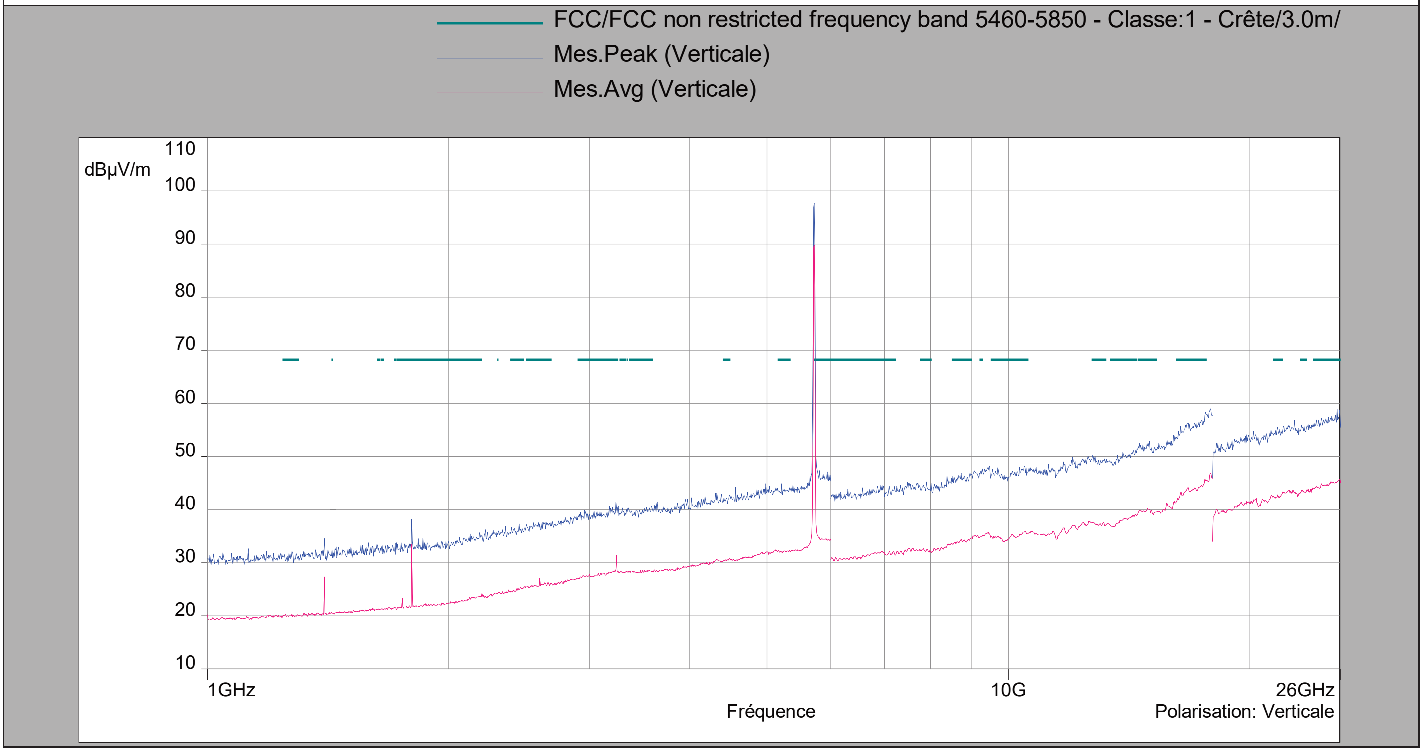
Above 1GHz
802.11a
C9
Vertical Polarization



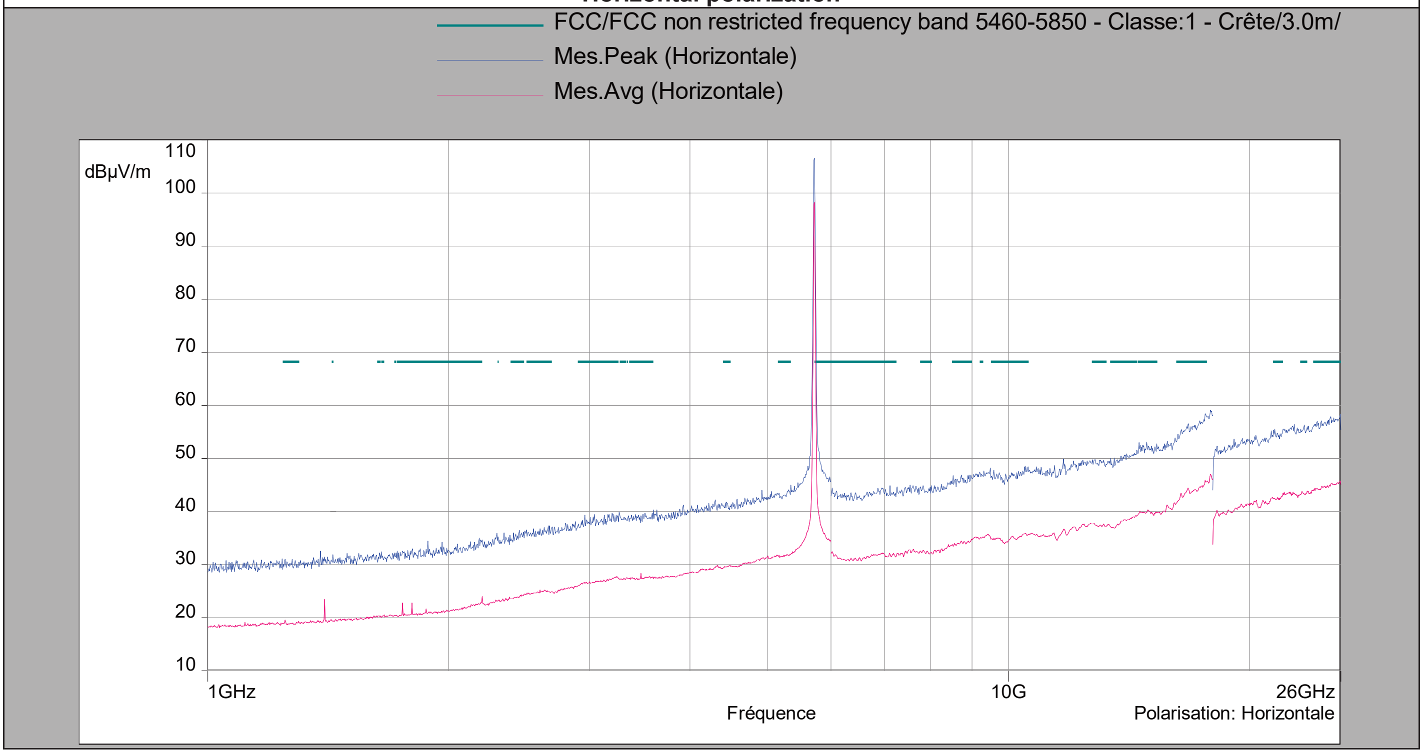
Horizontal polarization



Above 1GHz
802.11a
C10
Vertical Polarization

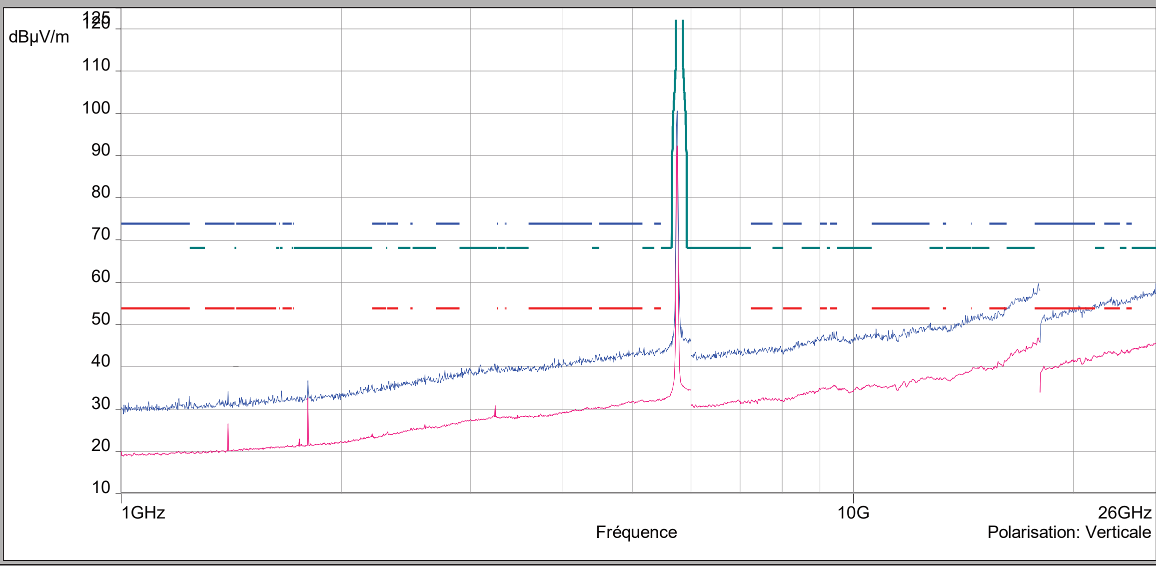


Horizontal polarization



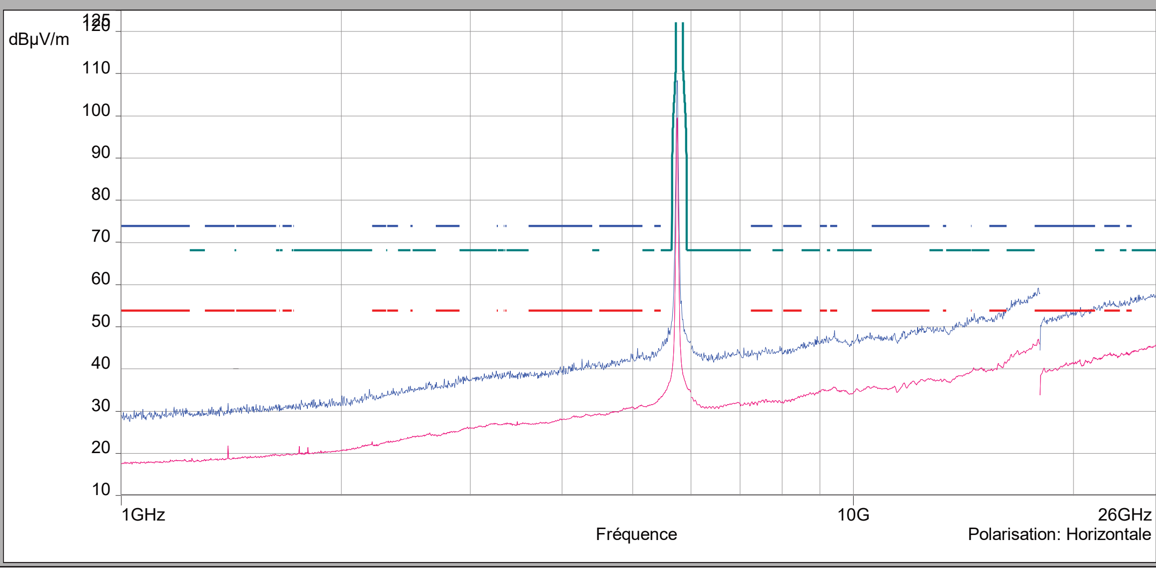
Above 1GHz
802.11a
C11
Vertical Polarization

FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
FCC/FCC non restricted frequency band 5725-5850 - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



Horizontal polarization

FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
FCC/FCC non restricted frequency band 5725-5850 - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



Above 1GHz

802.11a

C12

Vertical Polarization

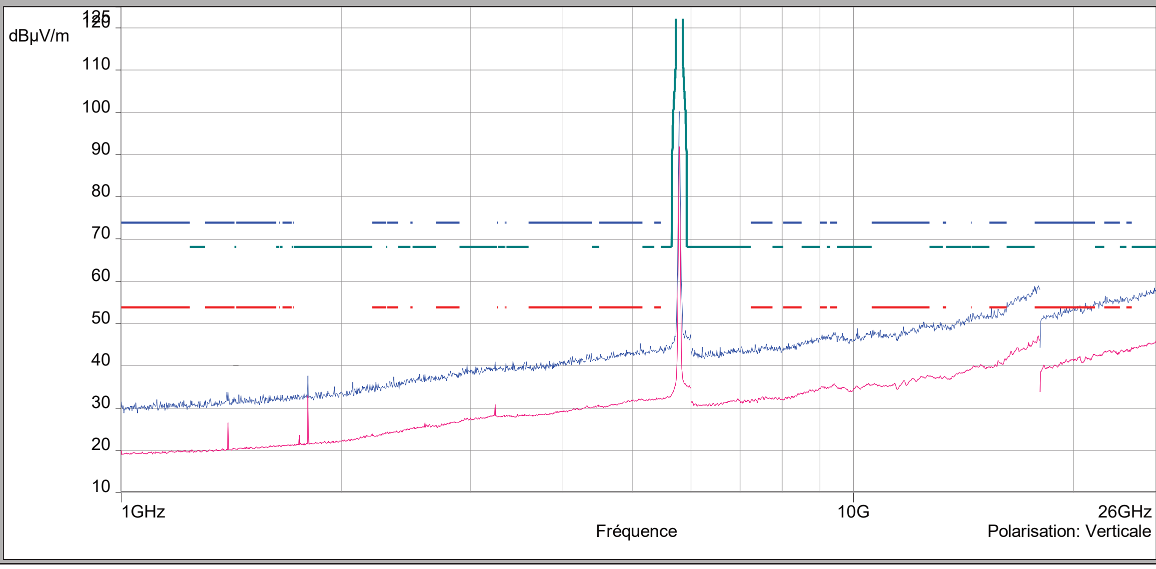
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/

FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/

FCC/FCC non restricted frequency band 5725-5850 - Classe:1 - Crête/3.0m/

Mes.Peak (Verticale)

Mes.Avg (Verticale)



Horizontal polarization

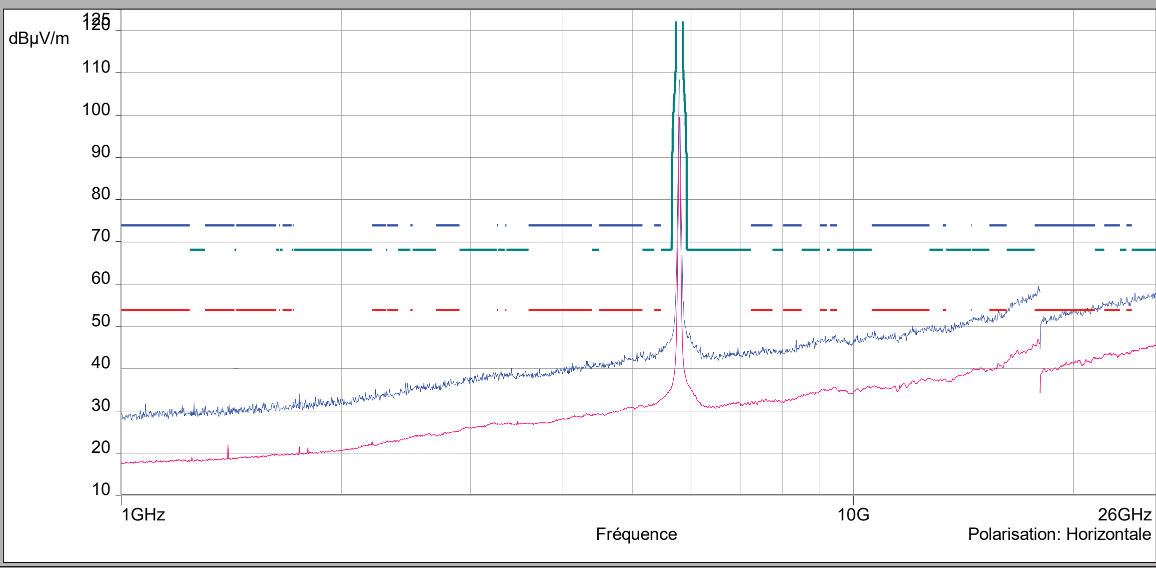
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/

FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/

FCC/FCC non restricted frequency band 5725-5850 - Classe:1 - Crête/3.0m/

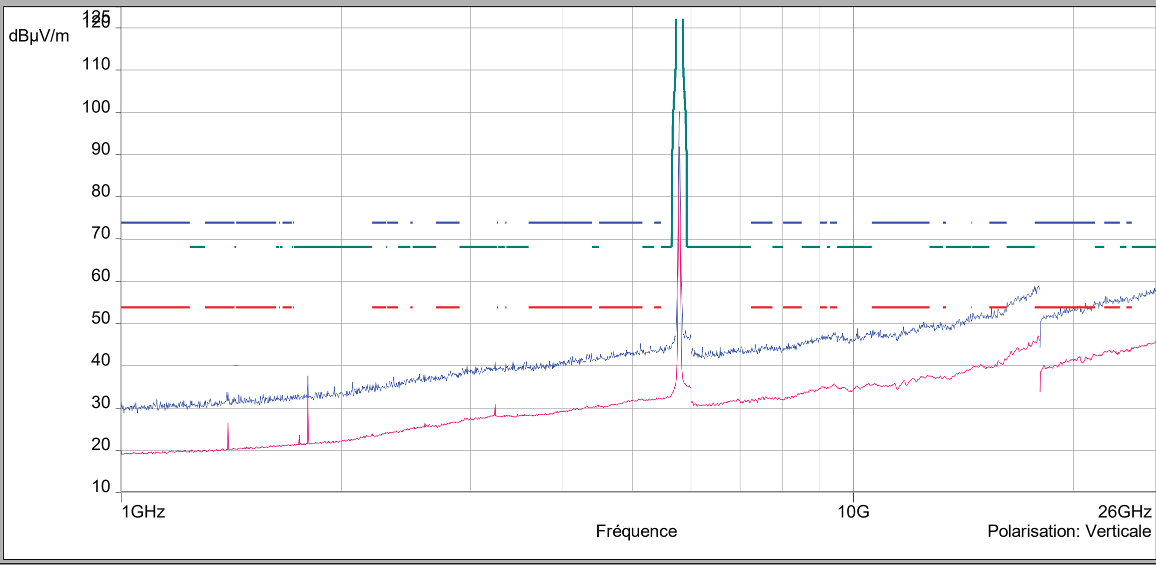
Mes.Peak (Horizontale)

Mes.Avg (Horizontale)



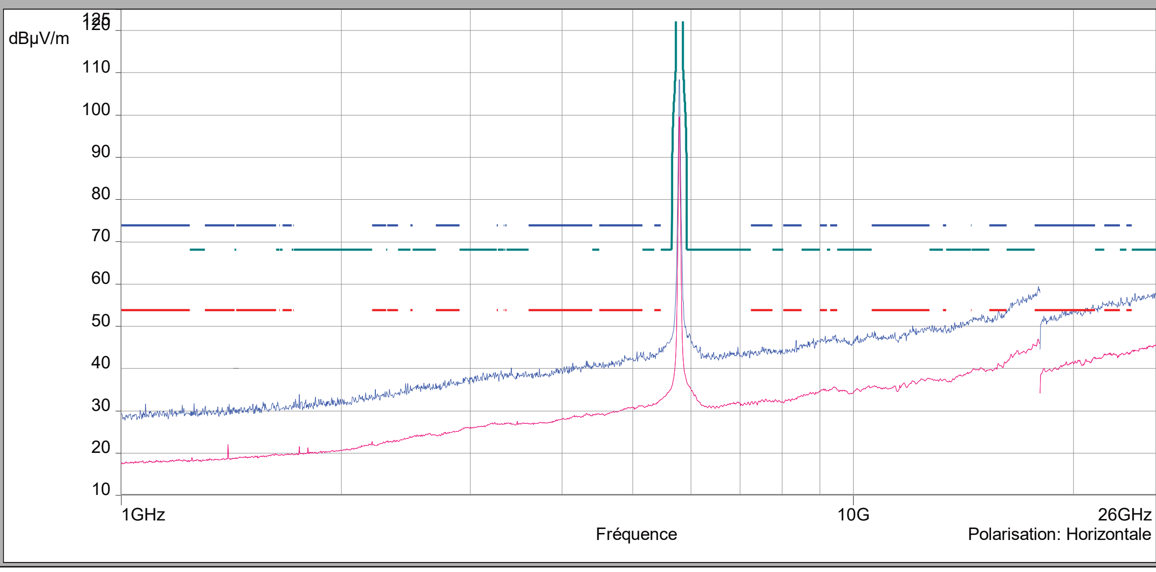
Above 1GHz
802.11a
C13
Vertical Polarization

FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
FCC/FCC non restricted frequency band 5725-5850 - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



Horizontal polarization

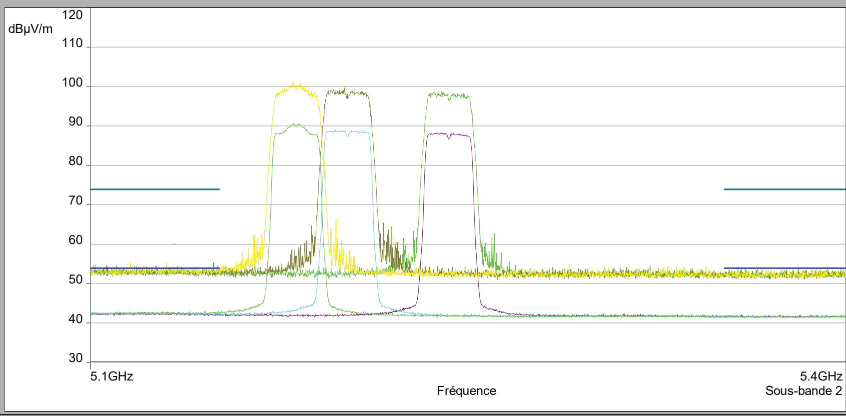
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
FCC/FCC non restricted frequency band 5725-5850 - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



Above 1GHz
802.11n HT20/ac VHT20
C1/C2/C3
Vertical Polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C1 - Verticale (Verticale)
Mes.Peak_C1 - Verticale (Verticale)
Mes.Avg_C2 - Verticale (Verticale)
Mes.Peak_C2 - Verticale (Verticale)
Mes.Avg_C3 - Verticale (Verticale)
Mes.Peak_C3 - Verticale (Verticale)

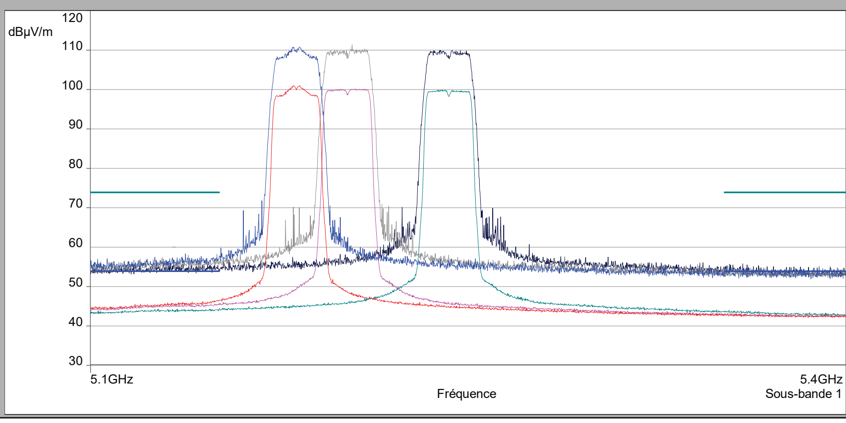
Description Sous-bande 2
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C1 - Horizontale (Horizontale)
Mes.Peak_C1 - Horizontale (Horizontale)
Mes.Avg_C2 - Horizontale (Horizontale)
Mes.Peak_C2 - Horizontale (Horizontale)
Mes.Avg_C3 - Horizontale (Horizontale)
Mes.Peak_C3 - Horizontale (Horizontale)

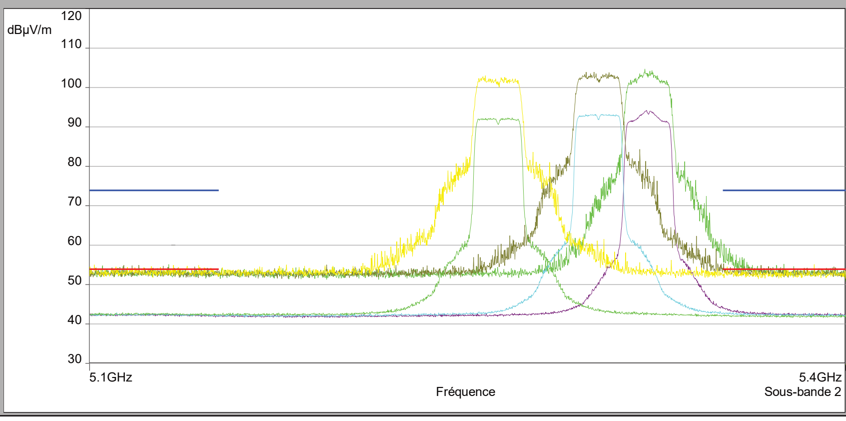
Description Sous-bande 1
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



Above 1GHz
802.11n HT20/ac VHT20
C4/C5/C6
Vertical Polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C4 - Verticale (Verticale)
Mes.Peak_C4 - Verticale (Verticale)
Mes.Avg_C5 - Verticale (Verticale)
Mes.Peak_C5 - Verticale (Verticale)
Mes.Avg_C6 - Verticale (Verticale)
Mes.Peak_C6 - Verticale (Verticale)

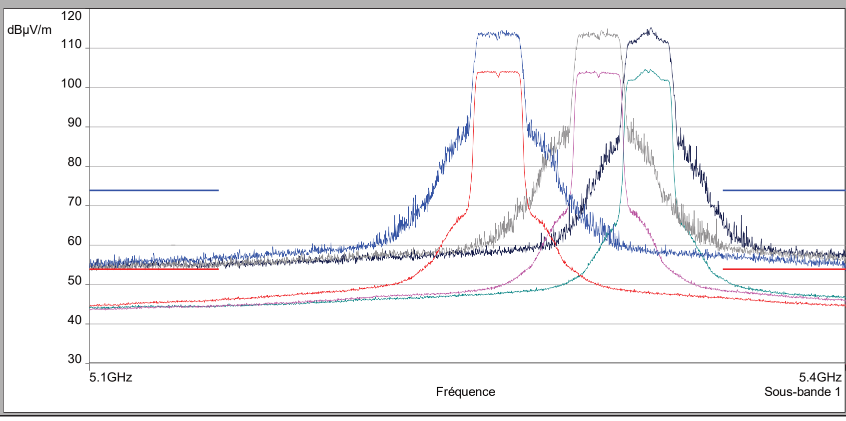
Description Sous-bande 2
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C4 - Horizontale (Horizontale)
Mes.Peak_C4 - Horizontale (Horizontale)
Mes.Avg_C5 - Horizontale (Horizontale)
Mes.Peak_C5 - Horizontale (Horizontale)
Mes.Avg_C6 - Horizontale (Horizontale)
Mes.Peak_C6 - Horizontale (Horizontale)

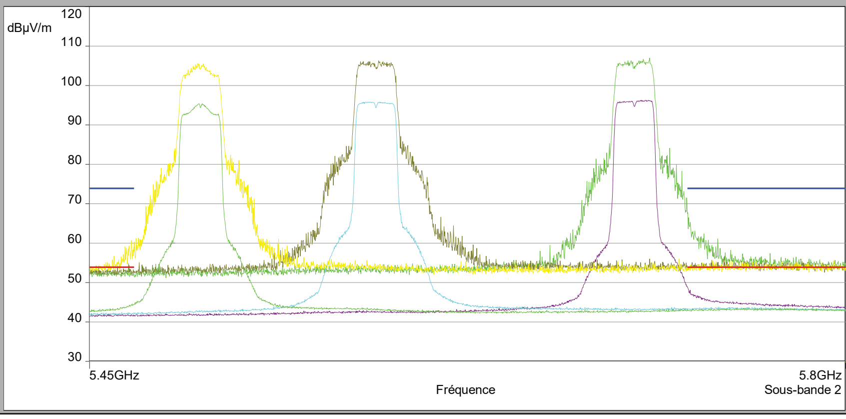
Description Sous-bande 1
Fréquences:5.1 GHz - 5.4 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 5 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



Above 1GHz
802.11n HT20/ac VHT20
C7/C8/C9
Vertical Polarization

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C7 - Verticale (Verticale)
Mes.Peak_C7 - Verticale (Verticale)
Mes.Avg_C8 - Verticale (Verticale)
Mes.Peak_C8 - Verticale (Verticale)
Mes.Avg_C9 - Verticale (Verticale)
Mes.Peak_C9 - Verticale (Verticale)

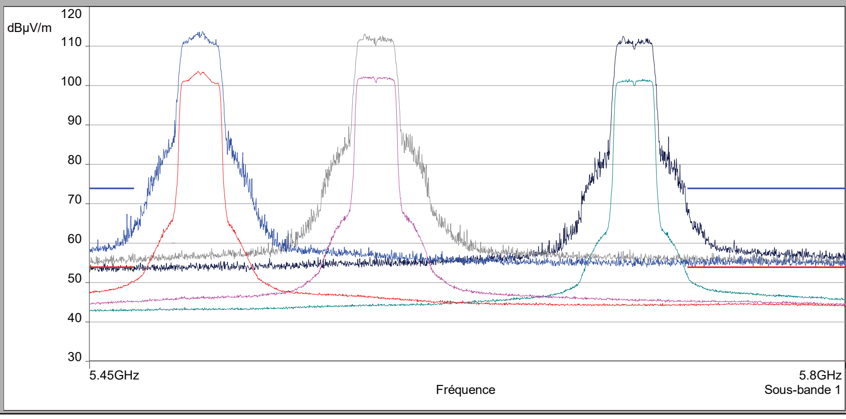
Description Sous-bande 2
Fréquences:5.45 GHz - 5.8 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg_C7 - Horizontale (Horizontale)
Mes.Peak_C7 - Horizontale (Horizontale)
Mes.Avg_C8 - Horizontale (Horizontale)
Mes.Peak_C8 - Horizontale (Horizontale)
Mes.Avg_C9 - Horizontale (Horizontale)
Mes.Peak_C9 - Horizontale (Horizontale)

Description Sous-bande 1
Fréquences:5.45 GHz - 5.8 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



Above 1GHz

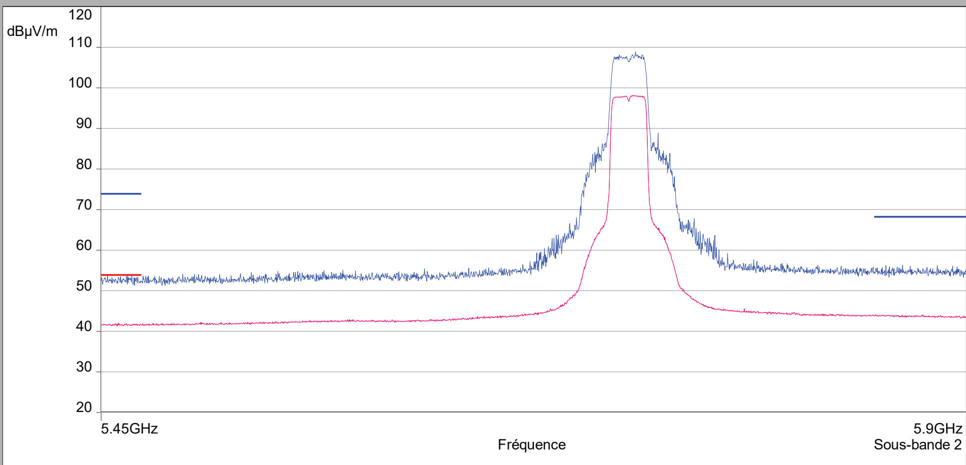
802.11n HT20/ac VHT20

C10 Straddle

Vertical Polarization

FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)

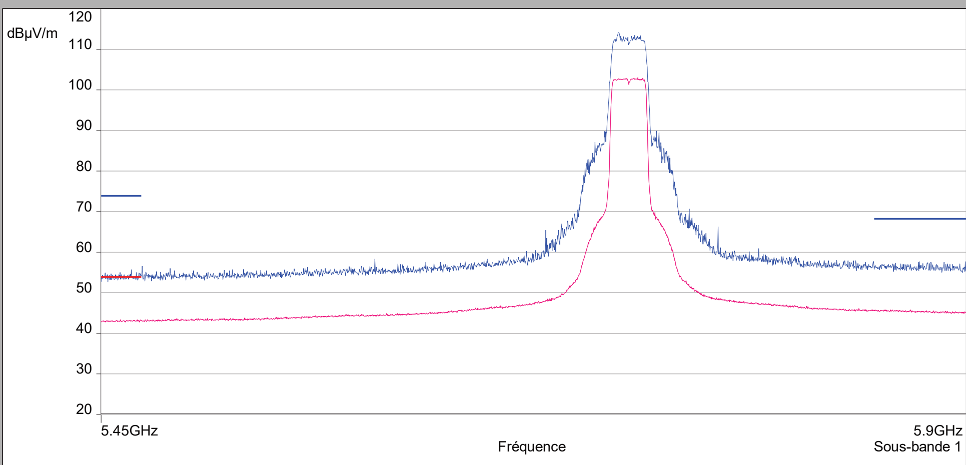
Description Sous-bande 2
Fréquences:5.45 GHz - 5.9 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - QCrête/3.0m/
FCC/FCC 15.209 5470MHz-5850MHz Straddle - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)

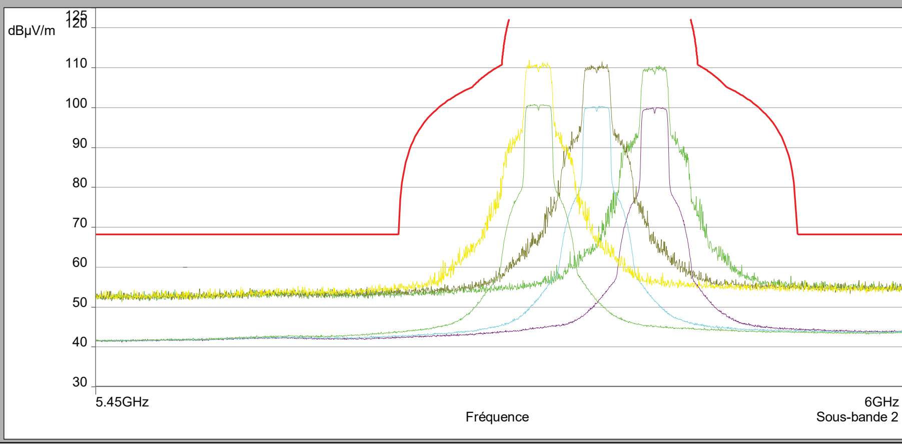
Description Sous-bande 1
Fréquences:5.45 GHz - 5.9 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 5 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



Above 1GHz
802.11n HT20/ac VHT20
C11/C12/C13
Vertical Polarization

FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg_C11 - Verticale (Verticale)
Mes.Peak_C11 - Verticale (Verticale)
Mes.Avg_C12 - Verticale (Verticale)
Mes.Peak_C12 - Verticale (Verticale)
Mes.Avg_C13 - Verticale (Verticale)
Mes.Peak_C13 - Verticale (Verticale)

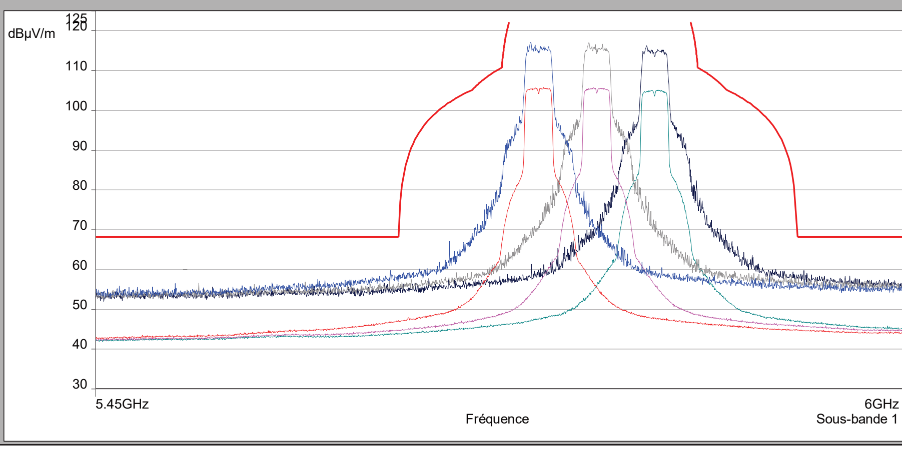
Description Sous-bande 2
Fréquences:5.45 GHz - 6 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Verticale
Distance: 3 m



Horizontal polarization

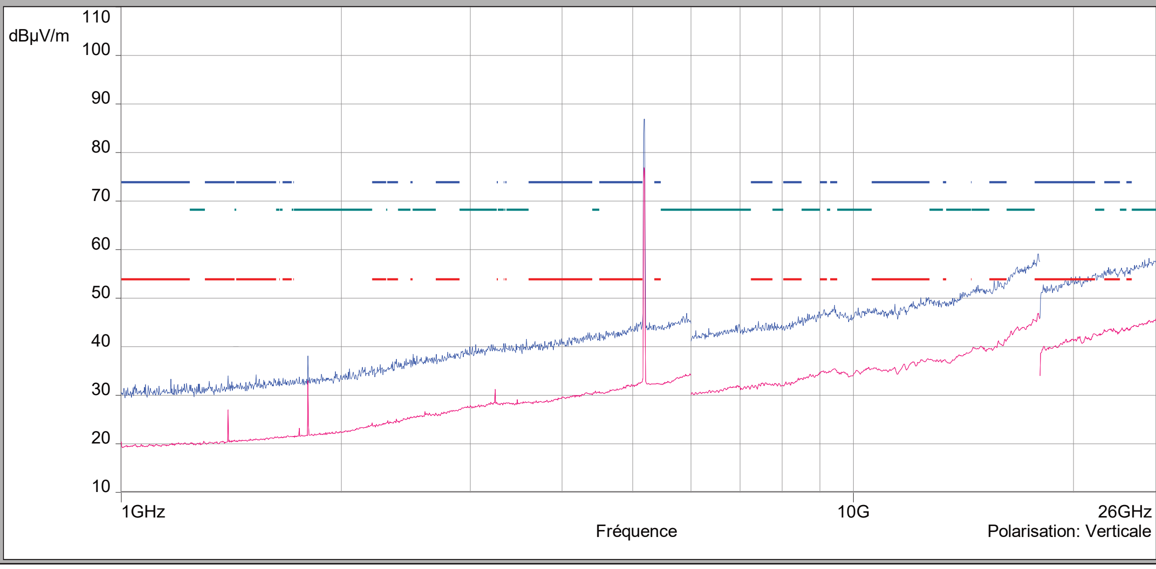
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg_C11 - Horizontale (Horizontale)
Mes.Peak_C11 - Horizontale (Horizontale)
Mes.Avg_C12 - Horizontale (Horizontale)
Mes.Peak_C12 - Horizontale (Horizontale)
Mes.Avg_C13 - Horizontale (Horizontale)
Mes.Peak_C13 - Horizontale (Horizontale)

Description Sous-bande 1
Fréquences:5.45 GHz - 6 GHz (Mode analyseur) 32001 Points
Réglages: RBW: 1MHz, VBW: 3MHz, Durée balayage : 20 ms/MHz, Atténuation : 0 dB, Nombre de Balayages : 1, Preamp
Polarisation:Horizontale
Distance: 3 m



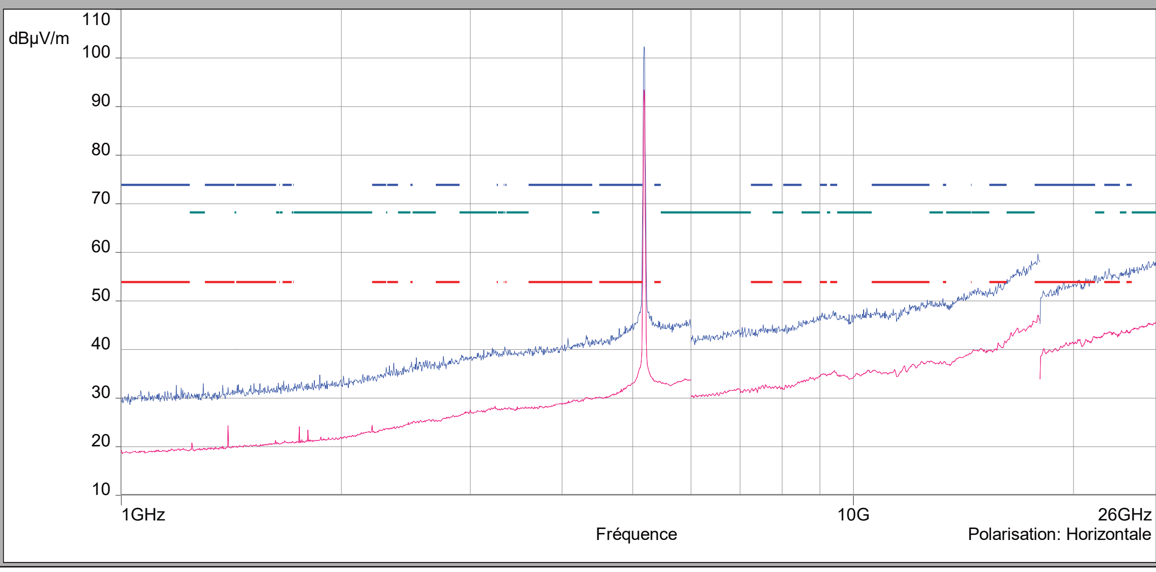
Above 1GHz
802.11n HT20/ac VHT20
C1
Vertical Polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



Horizontal polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)

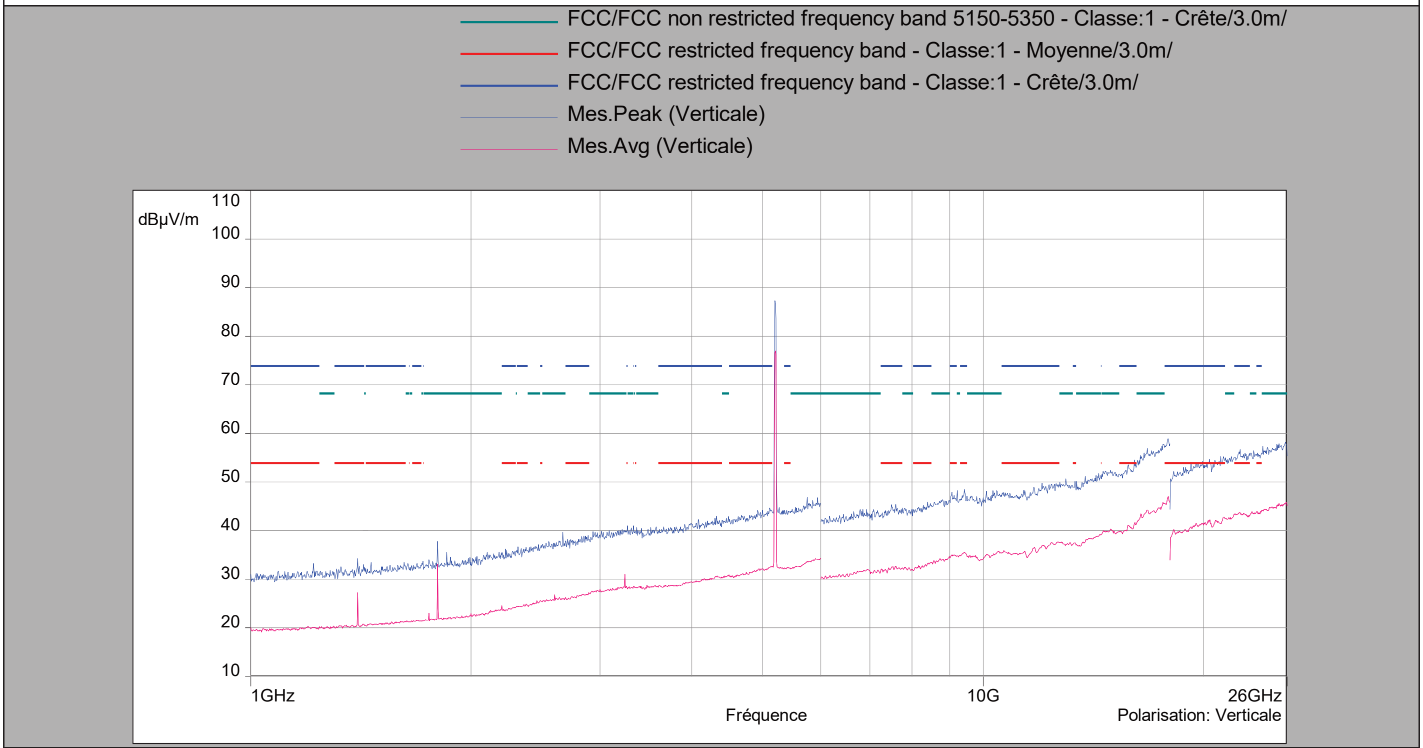


Above 1GHz

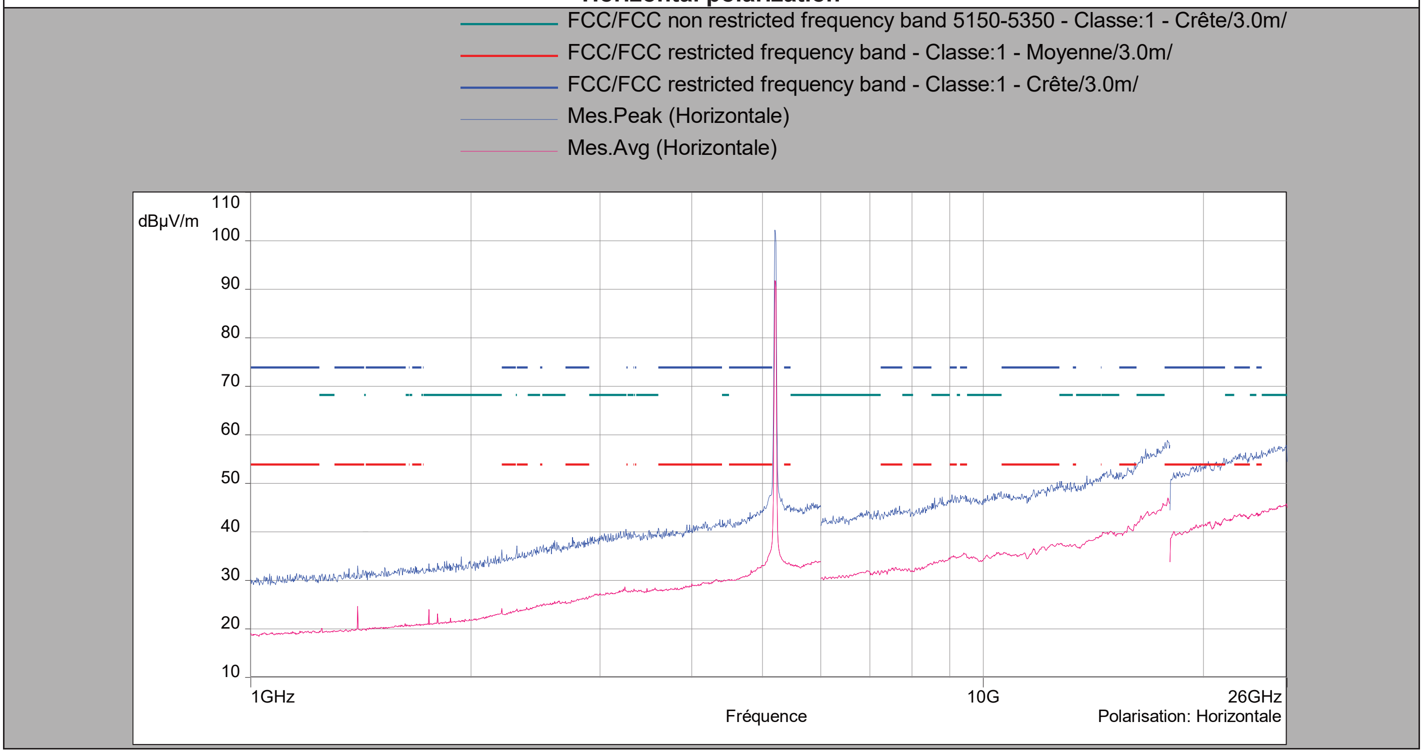
802.11n HT20/ac VHT20

C2

Vertical Polarization

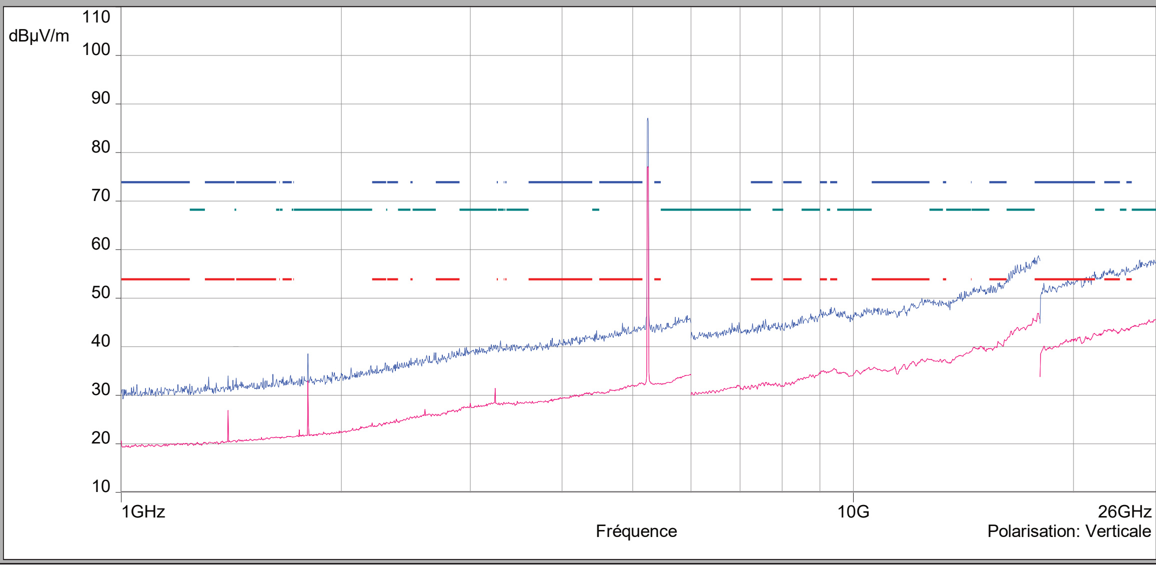


Horizontal polarization



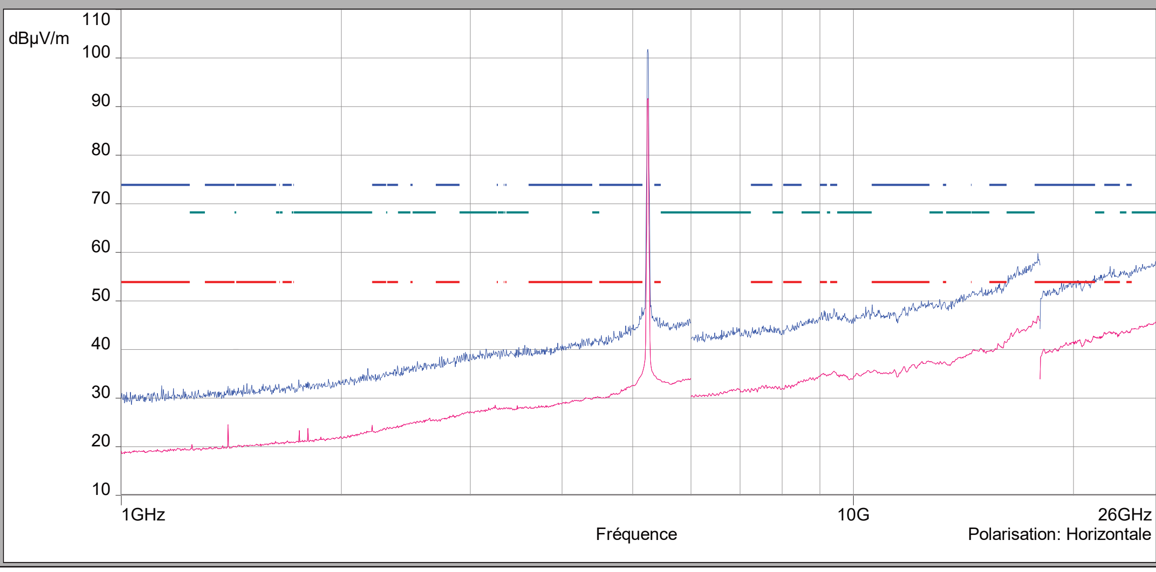
Above 1GHz
802.11n HT20/ac VHT20
C3
Vertical Polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)

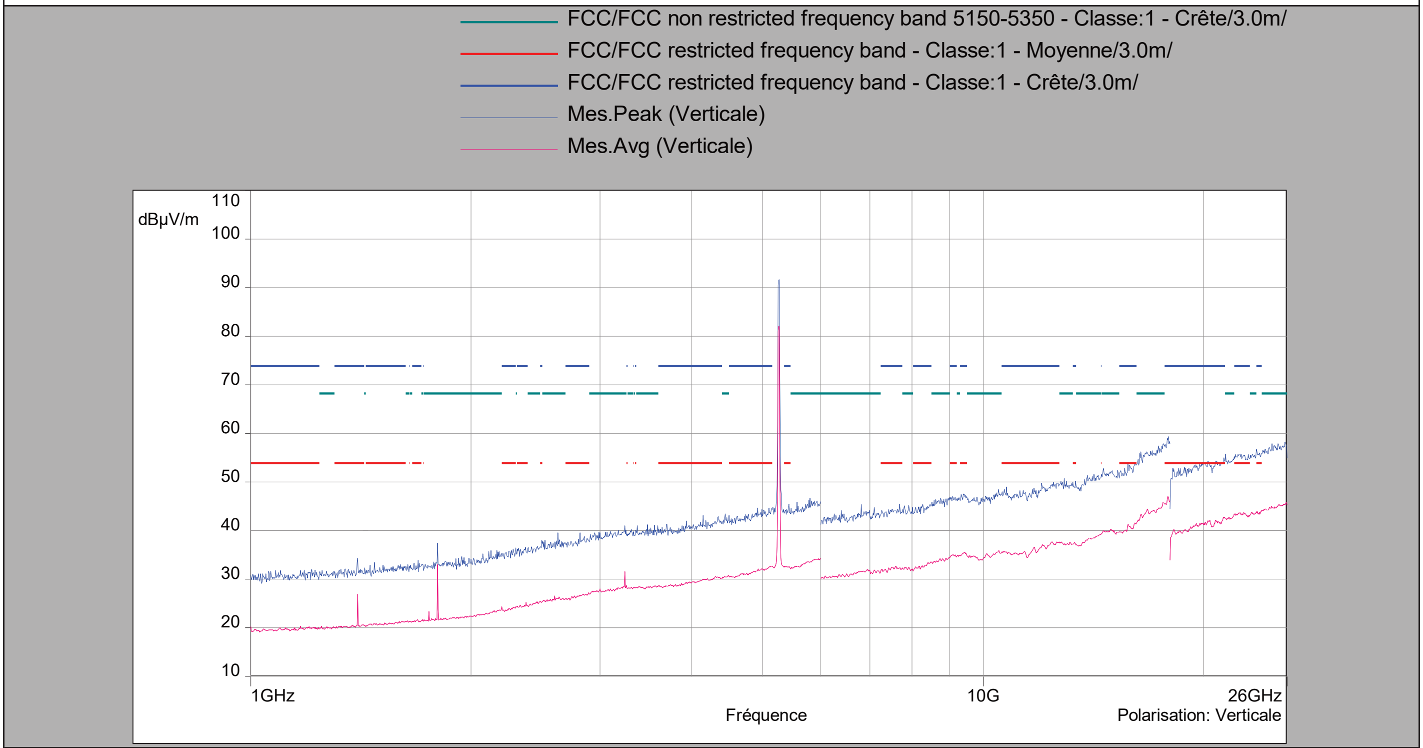


Horizontal polarization

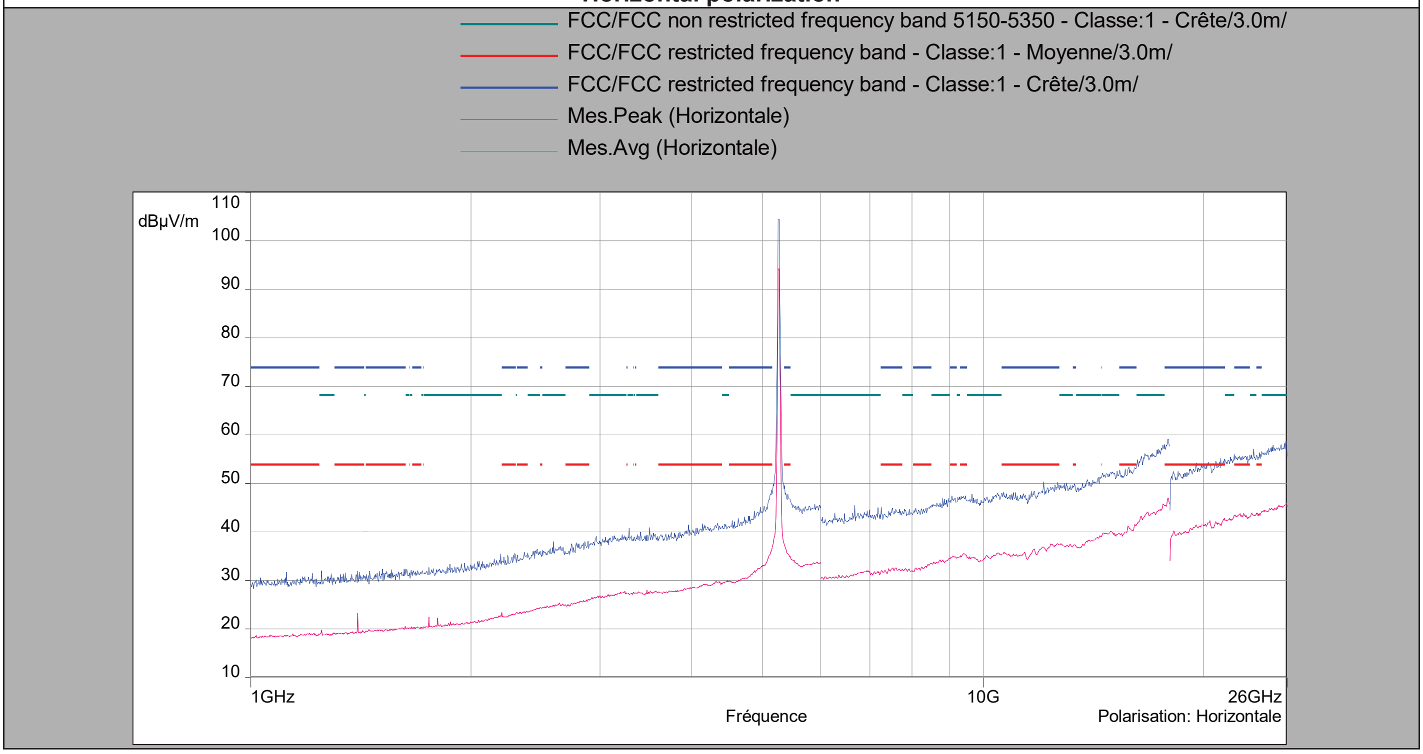
FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



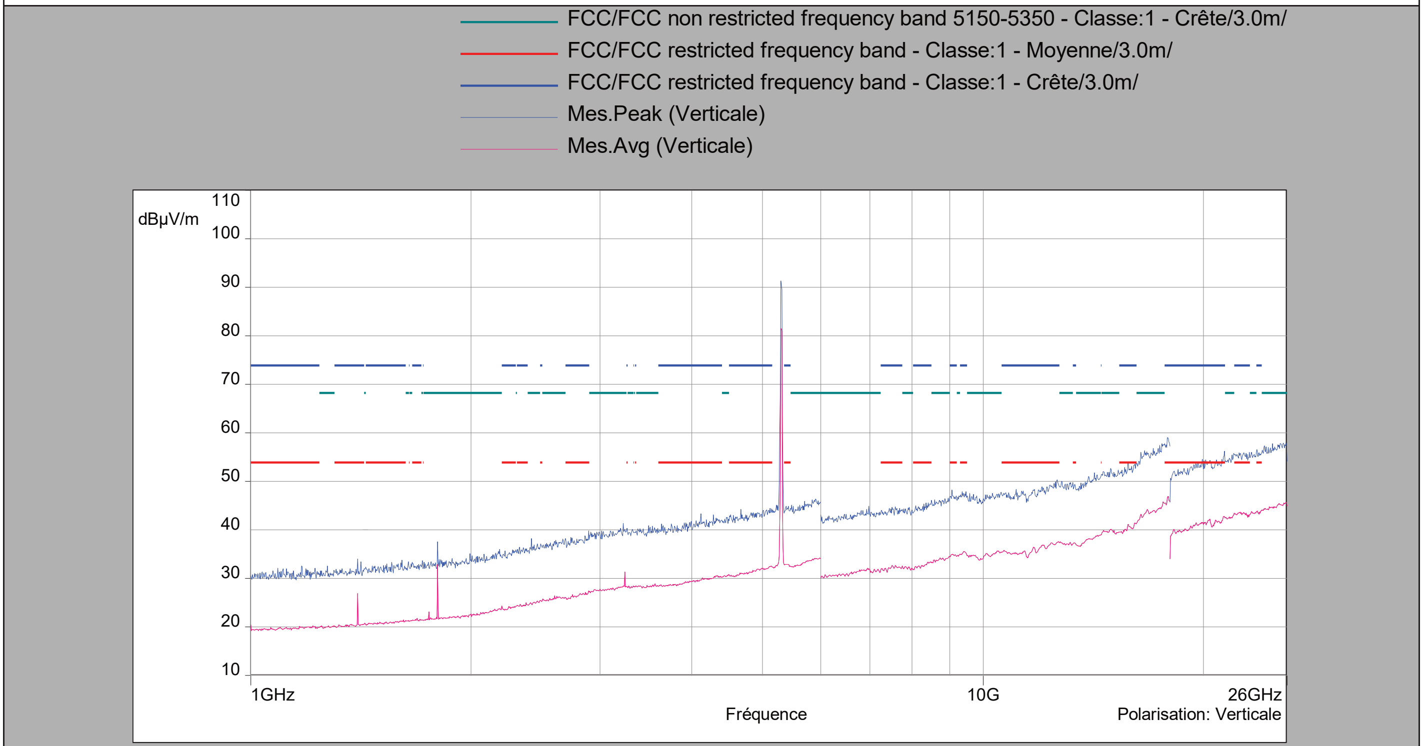
Above 1GHz
802.11n HT20/ac VHT20
C4
Vertical Polarization



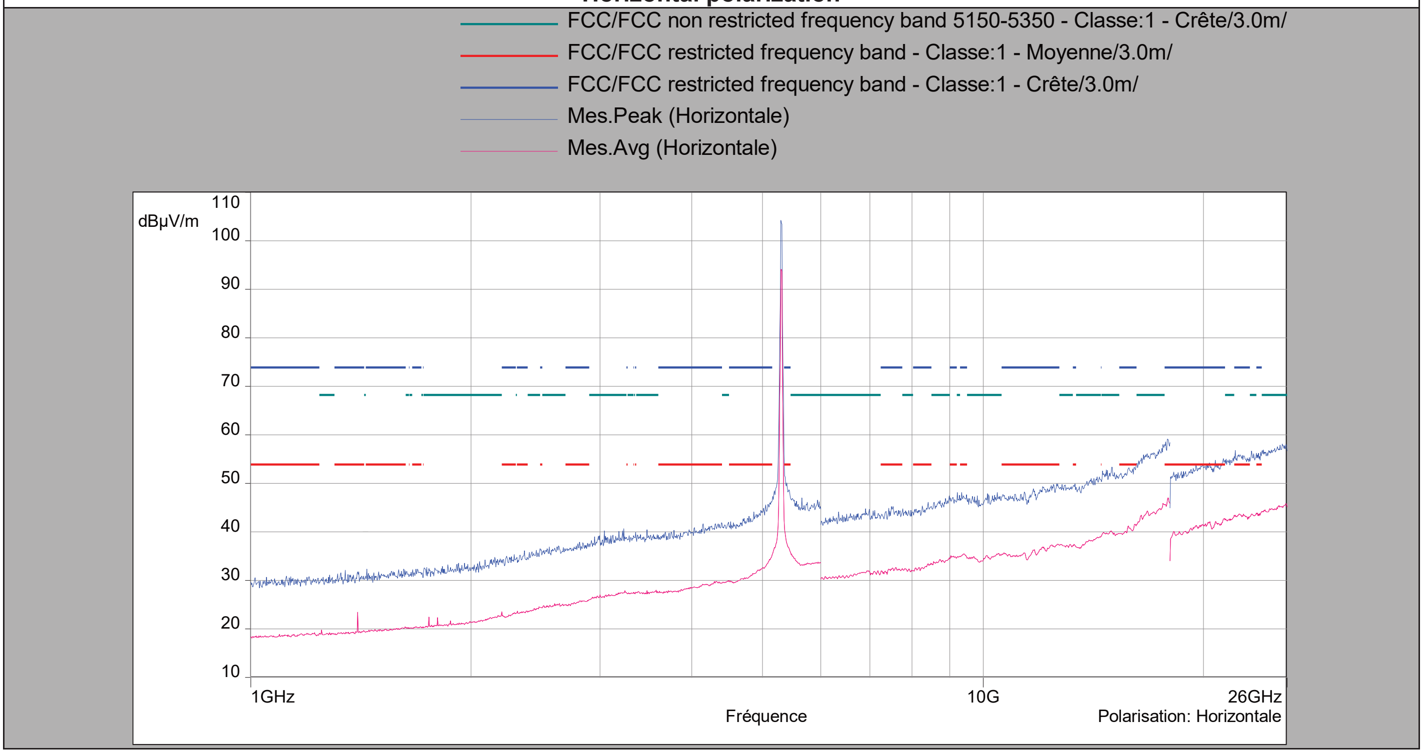
Horizontal polarization



Above 1GHz
802.11n HT20/ac VHT20
C5
Vertical Polarization



Horizontal polarization



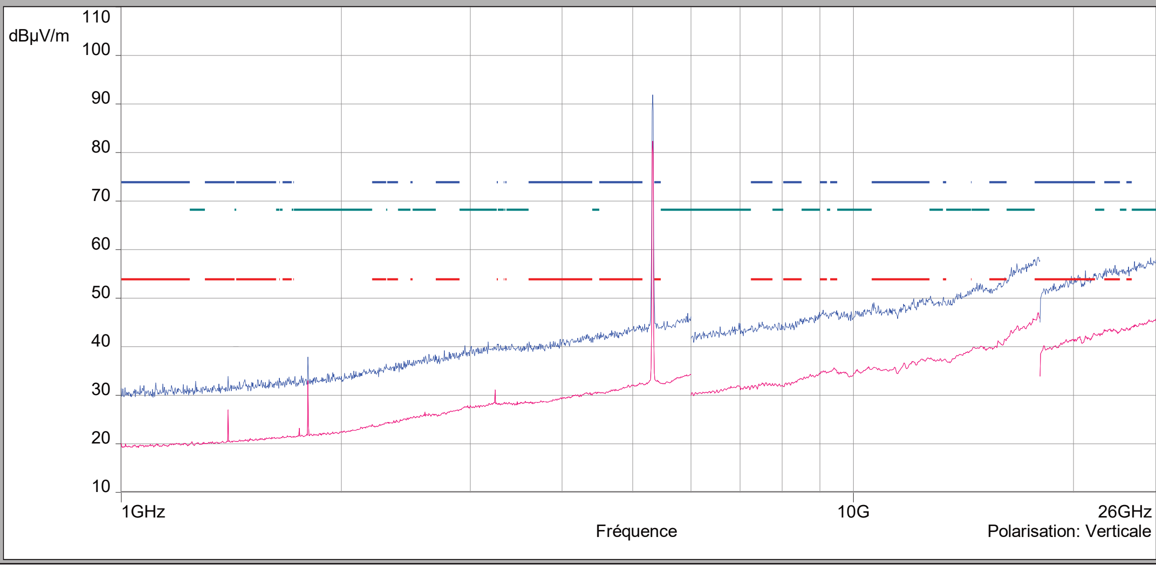
Above 1GHz

802.11n HT20/ac VHT20

C6

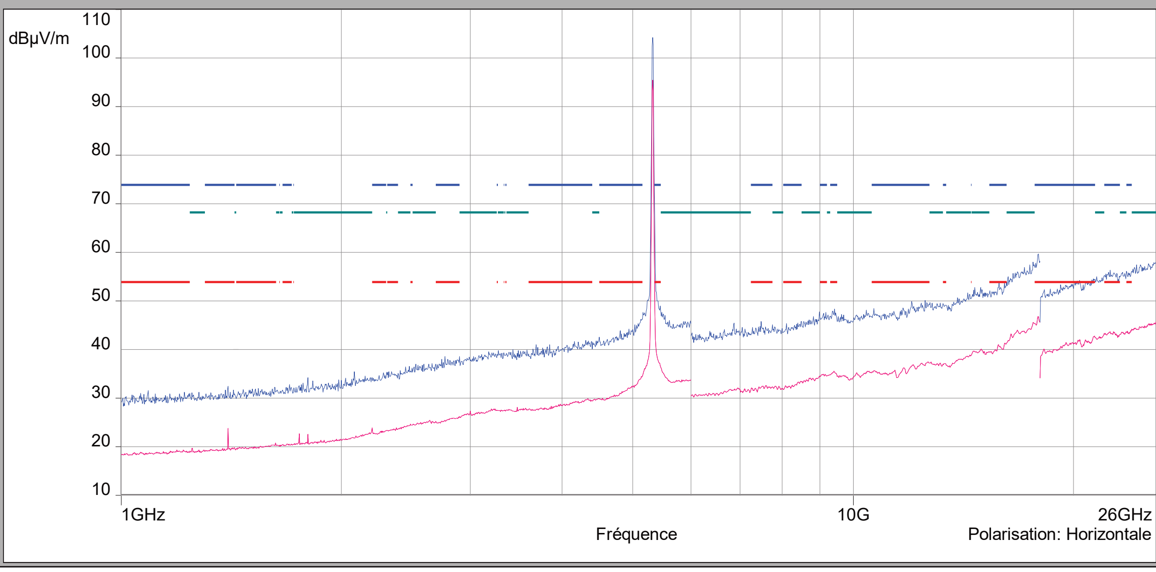
Vertical Polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



Horizontal polarization

FCC/FCC non restricted frequency band 5150-5350 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



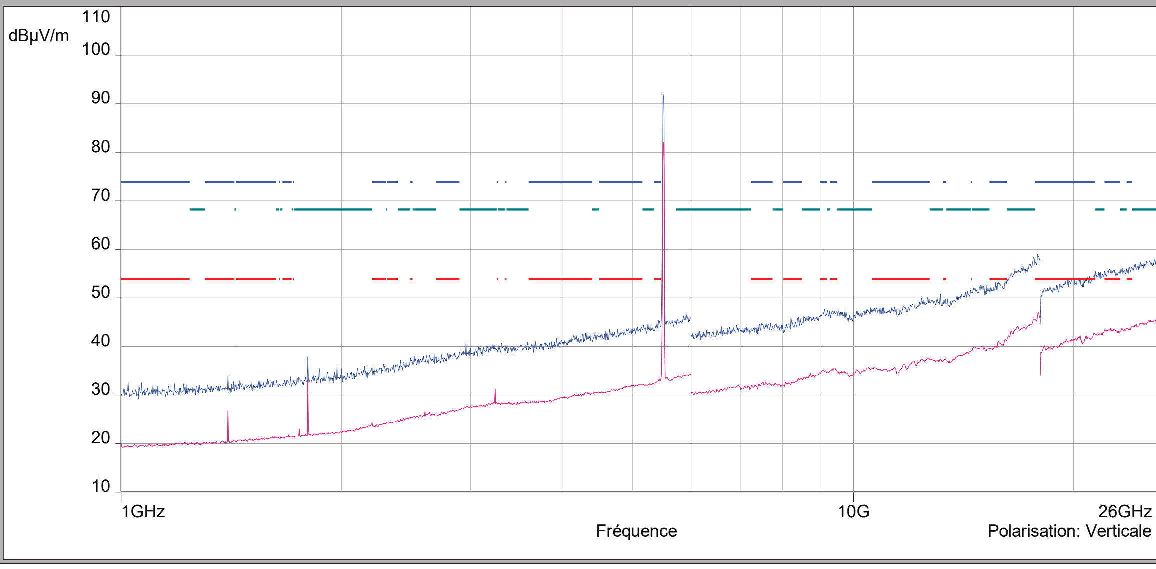
Above 1GHz

802.11n HT20/ac VHT20

C7

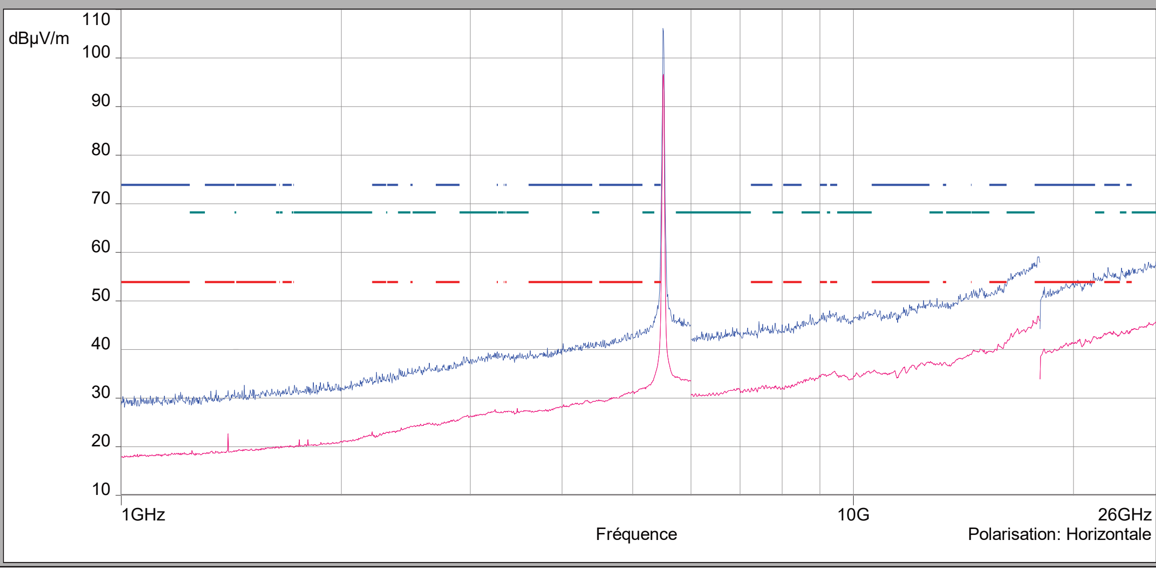
Vertical Polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



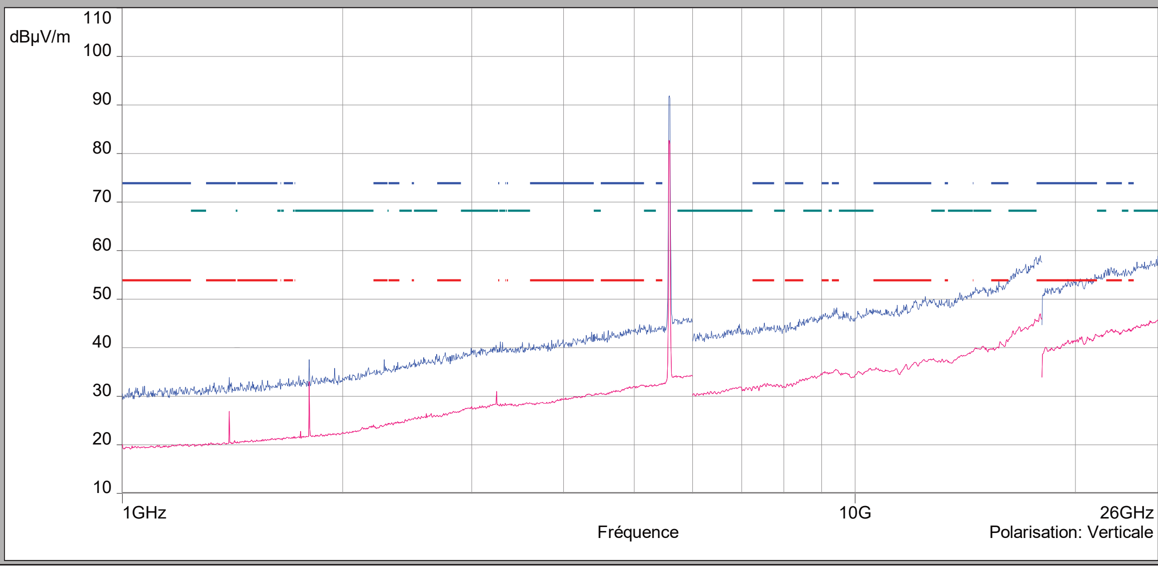
Horizontal polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



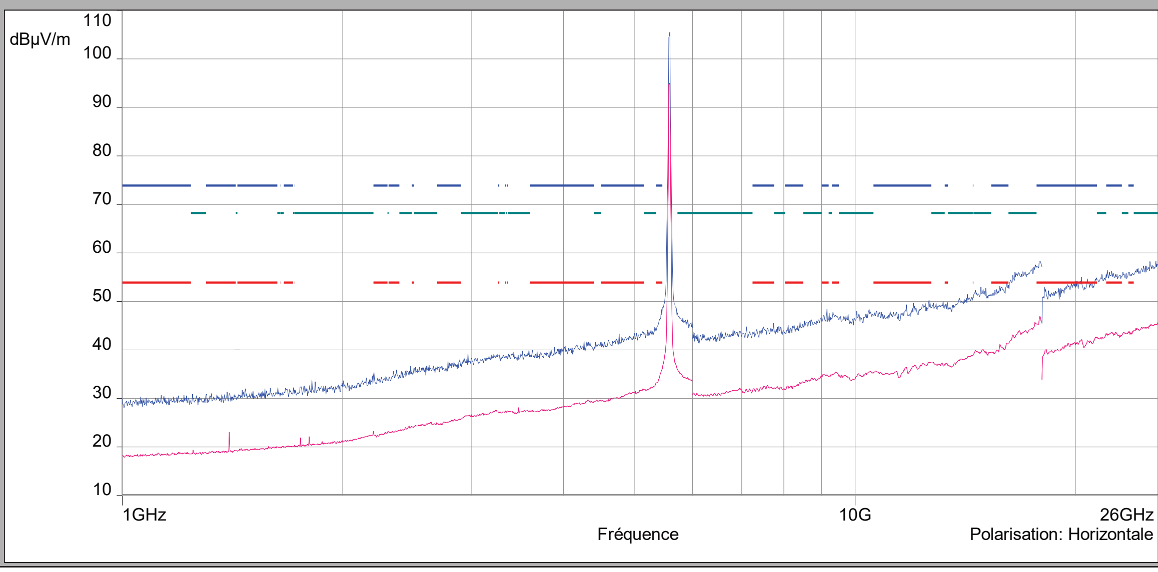
Above 1GHz
802.11n HT20/ac VHT20
C8
Vertical Polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



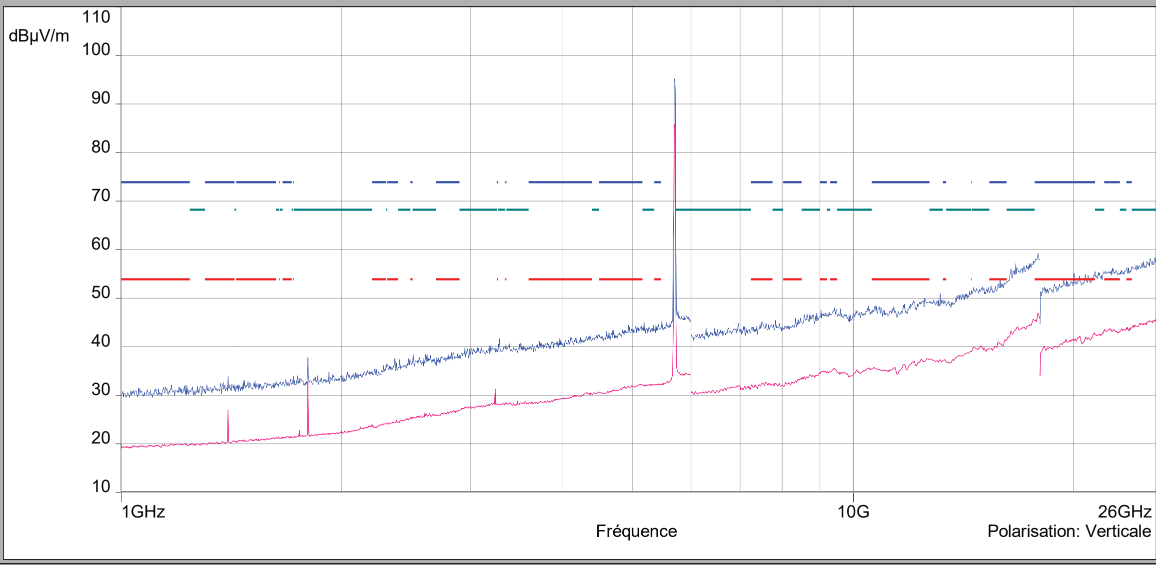
Horizontal polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



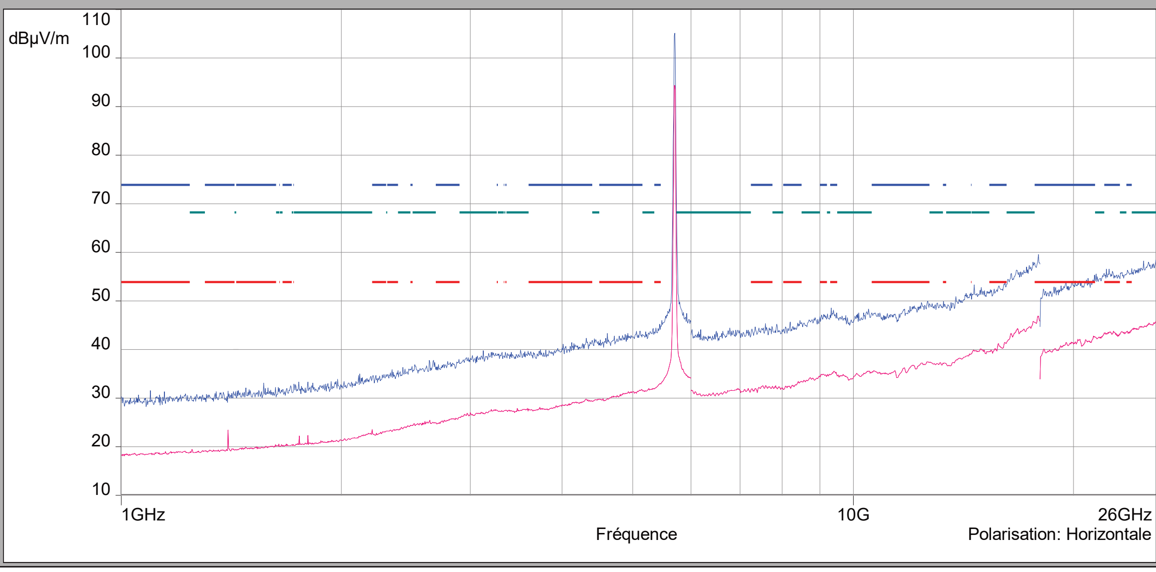
Above 1GHz
802.11n HT20/ac VHT20
C9
Vertical Polarization

FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)

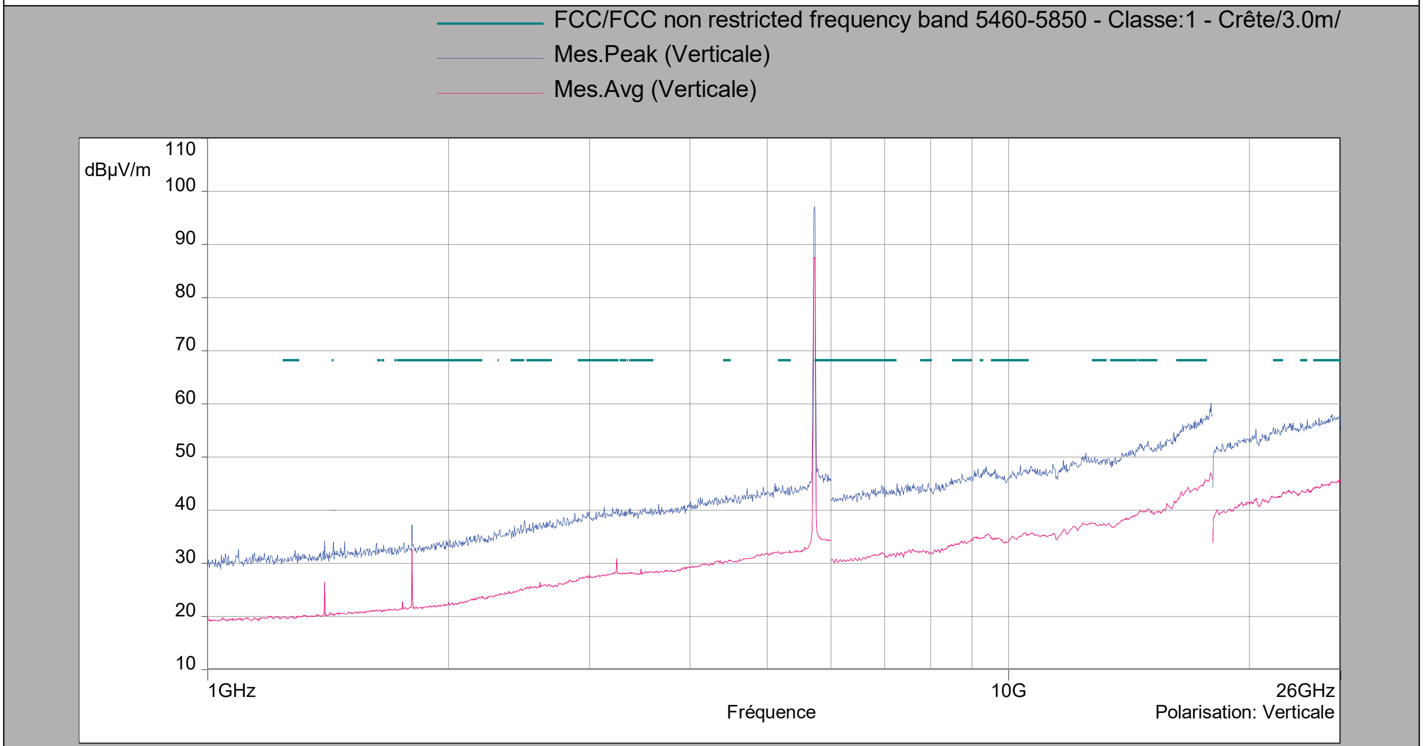


Horizontal polarization

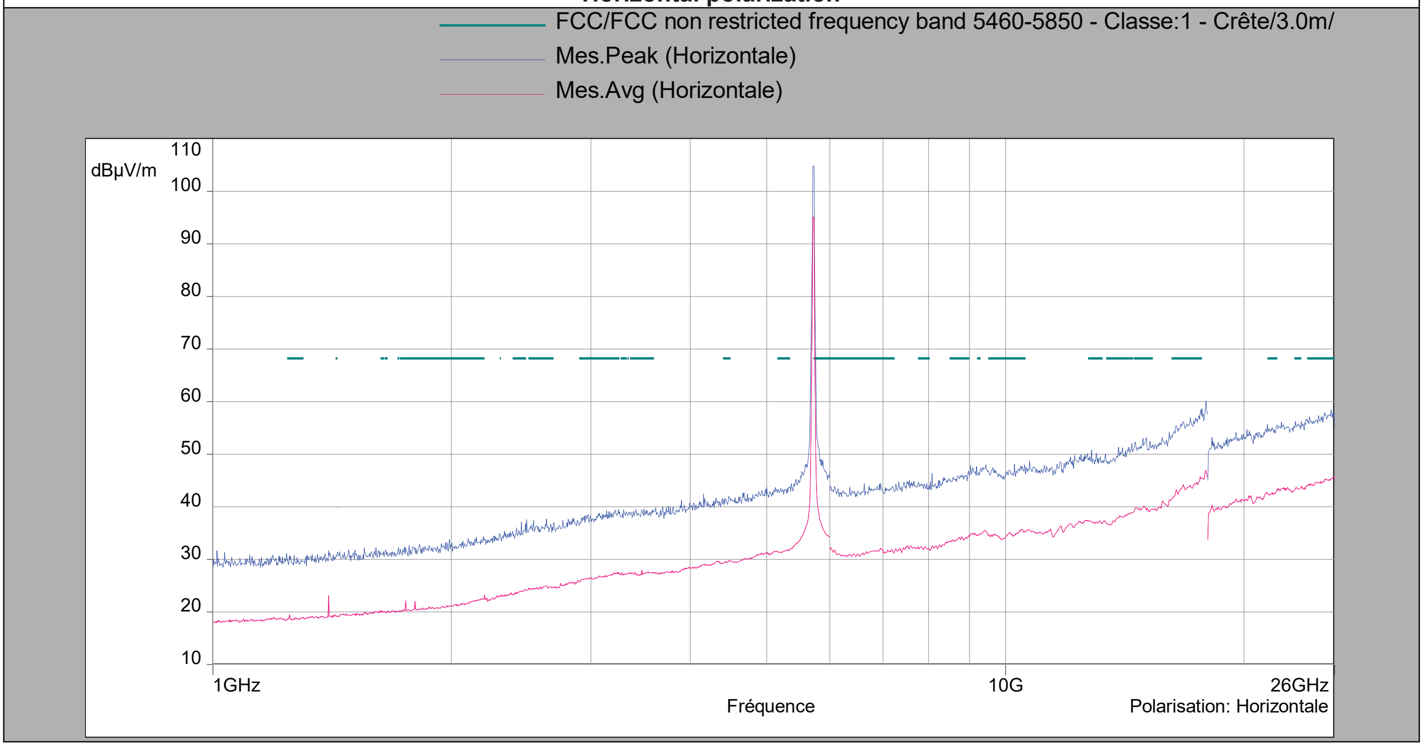
FCC/FCC non restricted frequency band 5460-5725 - Classe:1 - Crête/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Moyenne/3.0m/
FCC/FCC restricted frequency band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



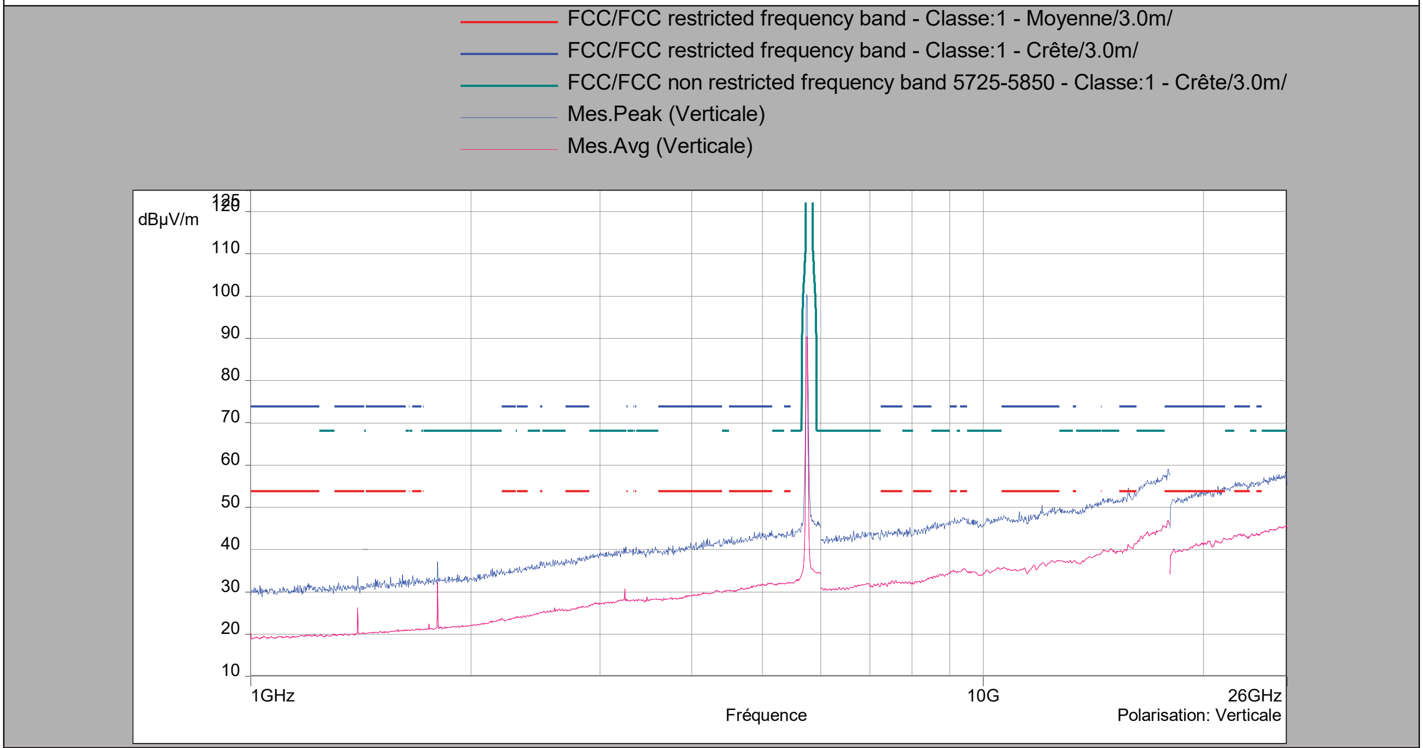
Above 1GHz
802.11n HT20/ac VHT20
C10
Vertical Polarization



Horizontal polarization



Above 1GHz
802.11n HT20/ac VHT20
C11
Vertical Polarization



Horizontal polarization