11. UNWANTED EMISSIONS & UNDESIRABLE EMISSION

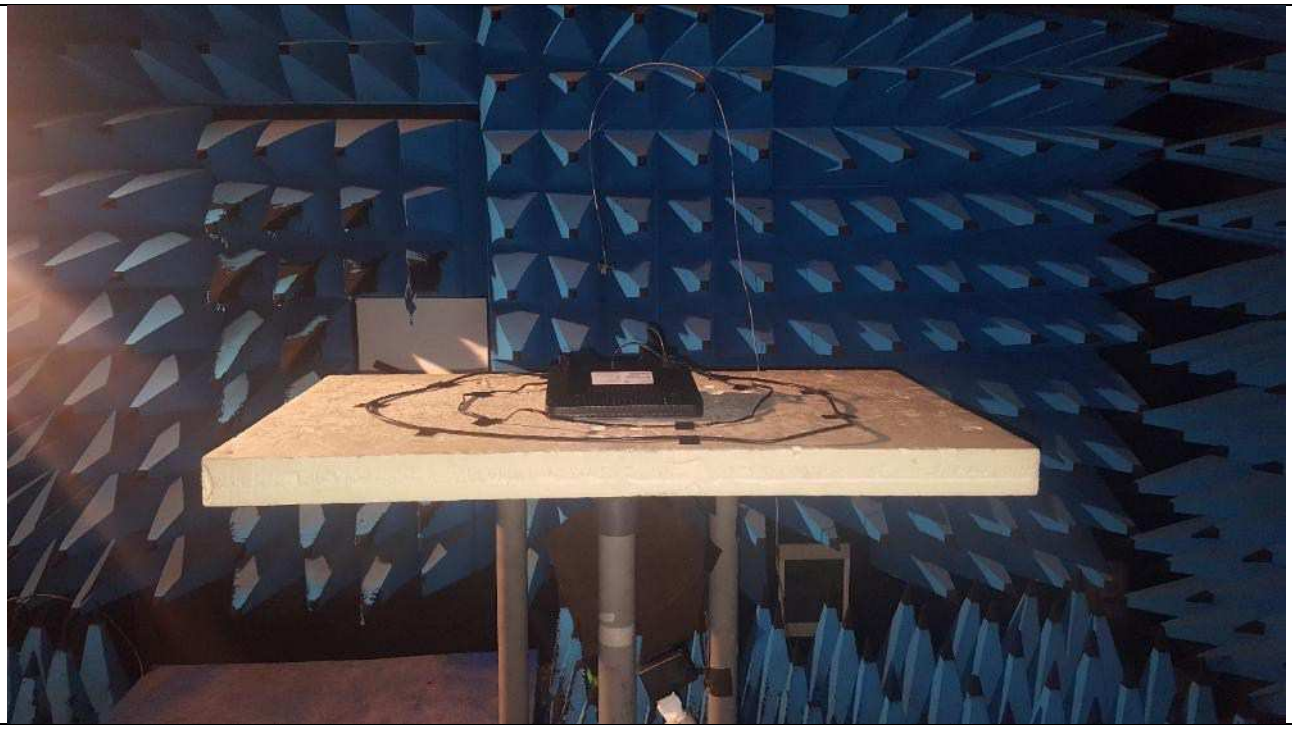
11.1. TEST CONDITIONS

Test performed by	: Laurent DENEUX & Armand MAHOUNGOU
Date of test	: February 5, 2018 & February 16, 2018
Ambient temperature	: 18 °C & 26 °C
Relative humidity	: 50 % & 43 %

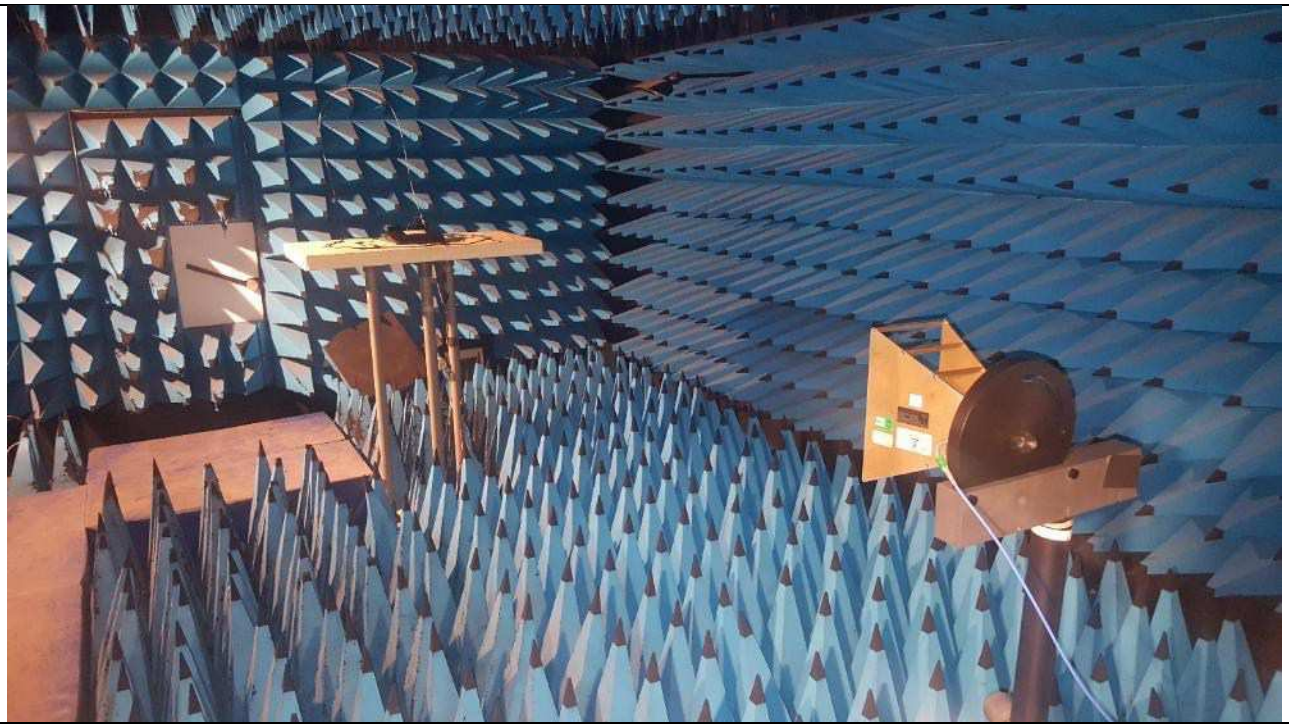
11.2. TEST SETUP

The product has been tested according to ANSI C63.10 (2013). The EUT is placed **on an open area test site**. Distance between measuring antenna and the EUT is **10m**. Test is performed in horizontal (H) and vertical (V) polarization with **bilog** antenna below 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 the 3 axis of EUT. Antenna height search was performed from 1 to 4m. The EUT is place at 1.5m high above 1GHz and at 0.8m high under 1GHz.
The product has been tested according to the FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r02.
The following factor is applied to convert E[dBµV/m] to EIRP[dBm]. EIRP[dBm]= E[dBµV/m] + 20 log (d[meters]) -104.77

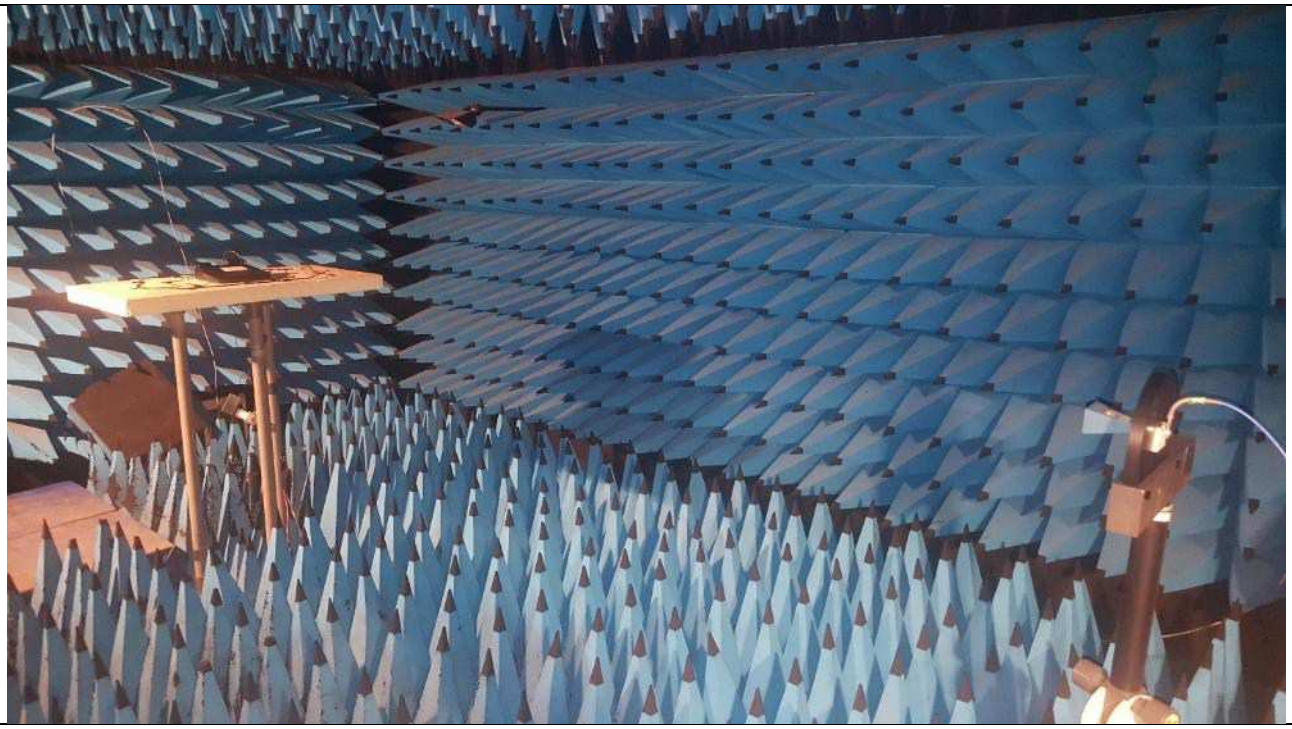
Photograph for Unwanted Emissions & Undesirable Emission limits



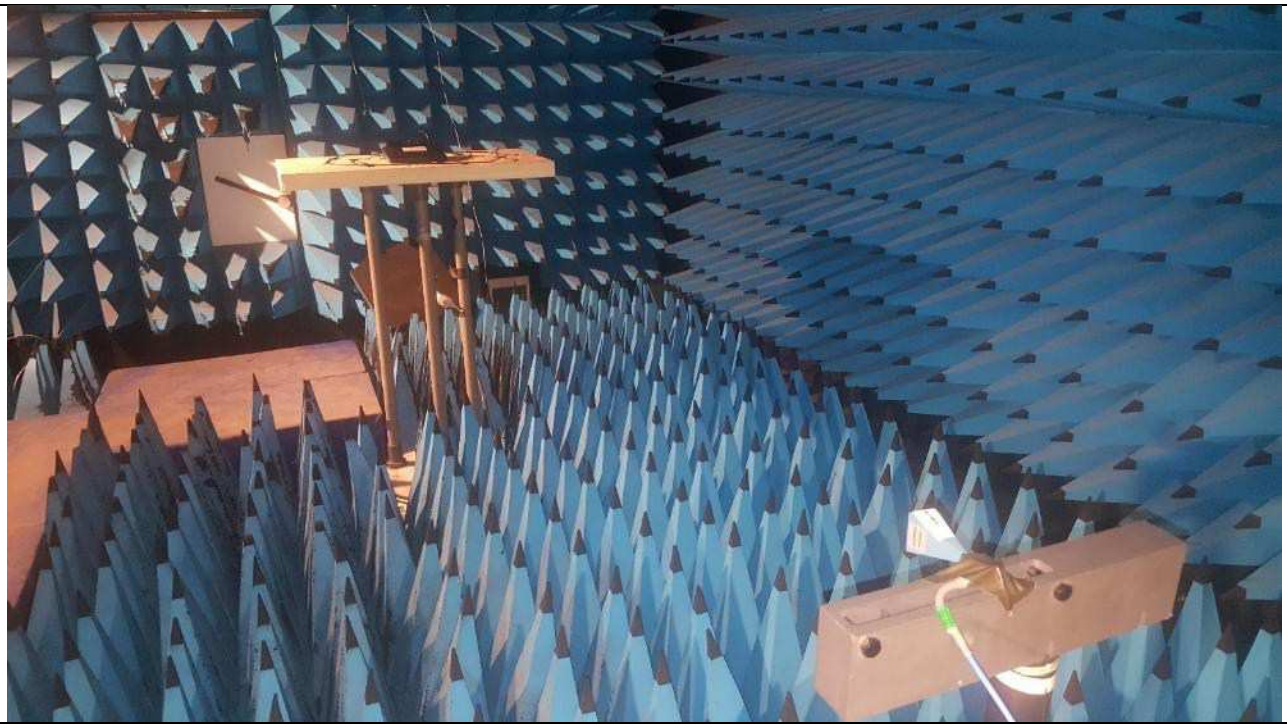
Photograph for Unwanted Emissions & Undesirable Emission limits



Photograph for Unwanted Emissions & Undesirable Emission limits



Photograph for Unwanted Emissions & Undesirable Emission limits



Photograph for Unwanted Emissions & Undesirable Emission limits

11.3. LIMIT

Limit at 10m:

30MHz to 88MHz:	29.5dBµV/m QPeak
88MHz to 216MHz:	33 dBµV/m QPeak
216MHz to 960MHz:	35.5dBµV/m QPeak
960MHz to 1000MHz:	43.5dBµV/m QPeak
Above 1000MHz:	63.5dBµV/m Peak
	43.5dBµV/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
Open test site	LCIE	-	F2000400	2017-06	2018-06
EMI Test Receiver	ROHDE & SCHWARZ	ESIB26	A2642021	2016-12	2018-12
Bilog antenna	CHASE	CBL 6112A	C2040040	2017-03	2018-03
Cable	-	-	A5329449	2017-10	2018-10
Cable	-	-	A5329380	2017-06	2018-06
cable	-	-	A5329444	2017-10	2018-10
Full anachoic chamber	SIEPEL	-	D3044019	2017/05	2021/05
Preamplifier	LCIE; LCIE	LCIE-ALB-001	A7080073	2017/08	2018/08
Logperiodic antenna	AMPLIFIER RESEARCH	ATR80M6G	C2040149	2017/06	2018/06
Horn antenna	AH SYSTEMS	SAS 571	C2042041	2017/04	2018/04
EMI receiver	ROHDE & SCHWARZ	ESI40 1088 740K40	A2642010	2017/07	2018/07
cable	Télédyne	084-0505-1MTR	A5329757	2017/03	2018/03
cable	Télédyne	084-0555-3MTR	A5329760	2017/03	2018/03
cable	Télédyne	084-555-1.5MTR	A5329759	2017/03	2018/03
Measurement horn antenna 18-26,5GHz	PASTERNACK	PE9852/2F-20	C2042048	2017/05	2019/05
Horn antenna	A-infoMW	Broadband 1-18	C2042056	2017/07	2018/07

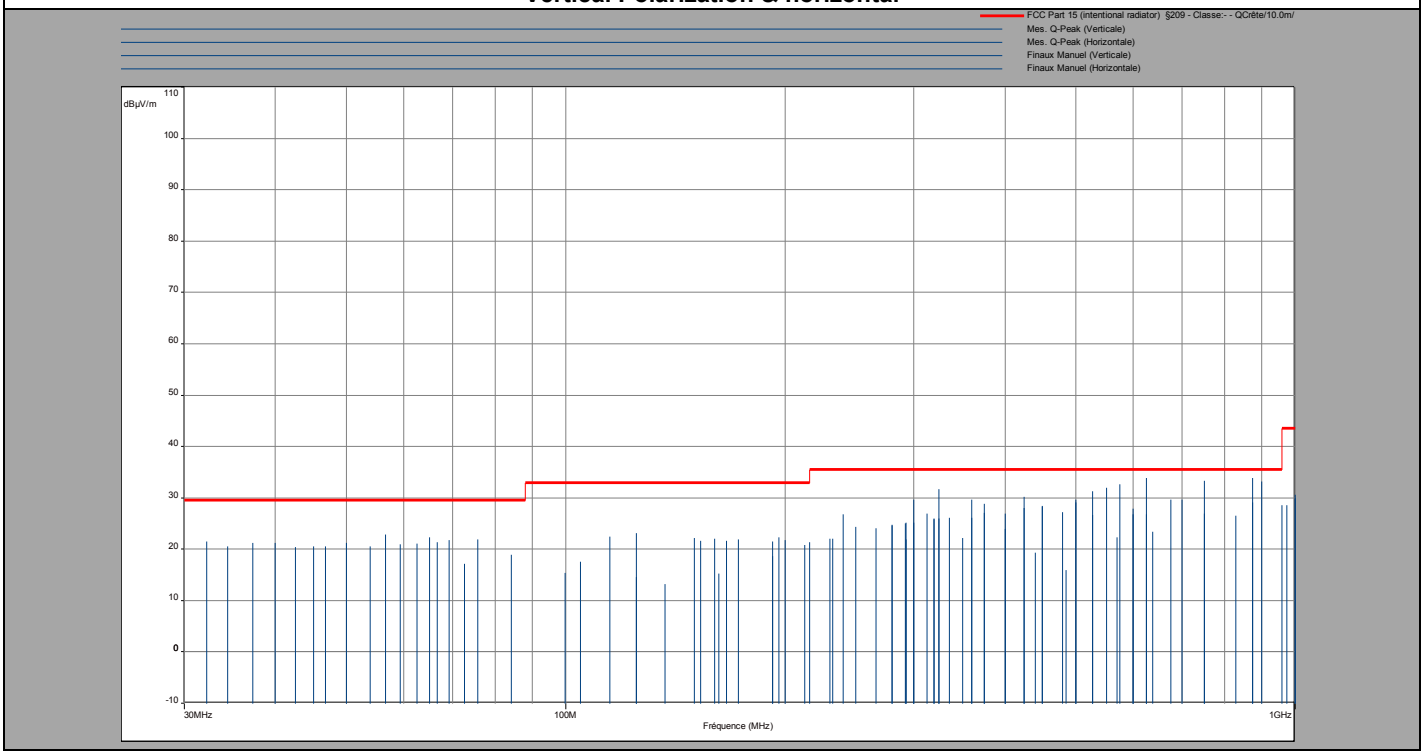
Note: In our quality system, the test equipment calibration due is more & less 2 months

11.5. DIVERGENCE, ADDITION OR SUPPRESSION ON THE TEST SPECIFICATION

☑ None ☐ Divergence:

11.6. RESULTS

Below 1GHz
802.11a
C1
Vertical Polarization & horizontal



Frequency (MHz)	level (dBµV/m)	limit FCC	Margin/Fcc Part
65	22.33	29.5	7.17
325	31.73	35.5	3.77
575	32.66	35.5	2.84
625	33.94	35.5	1.56
875	33.95	35.5	1.55
999.9	30.6	43.5	12.9

Above 1GHz

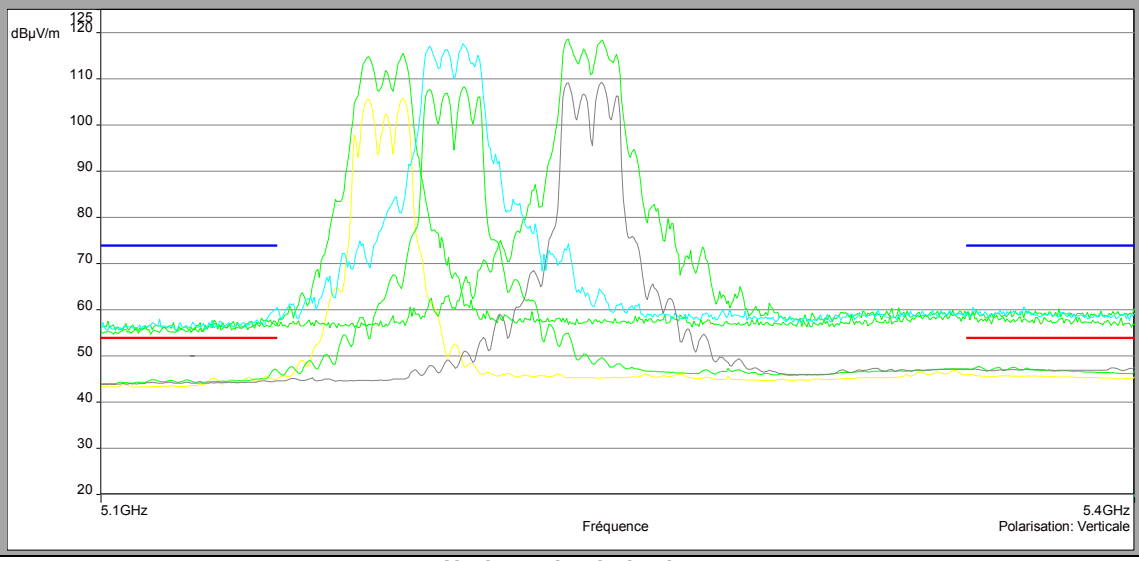
802.11a

C1/C2/C3

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 64373400, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

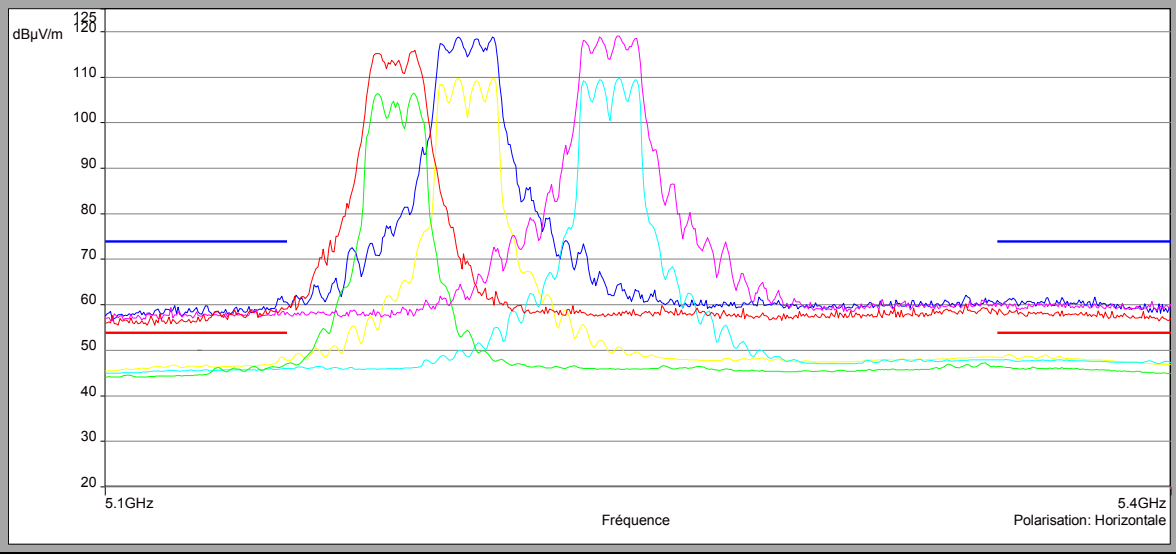
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 64373400, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

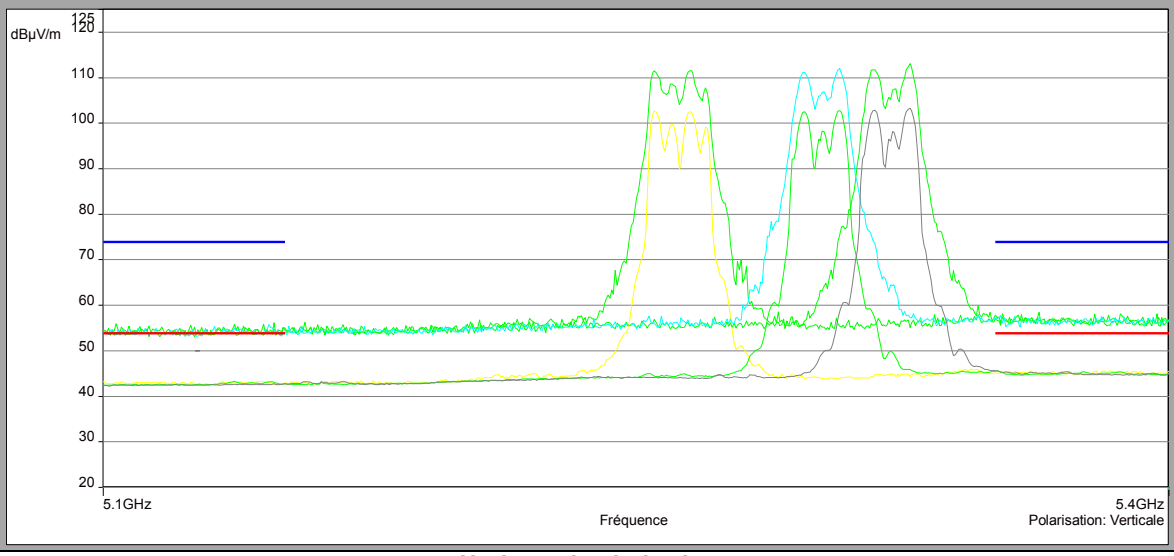
802.11a

C4/C5/C6

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 151996344, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

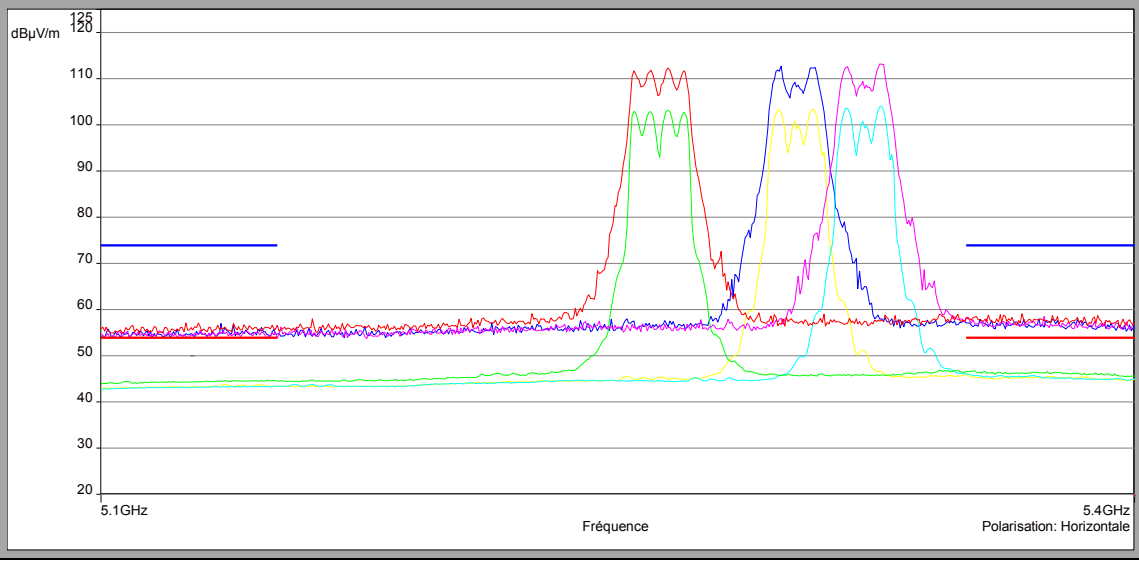
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 151996248, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

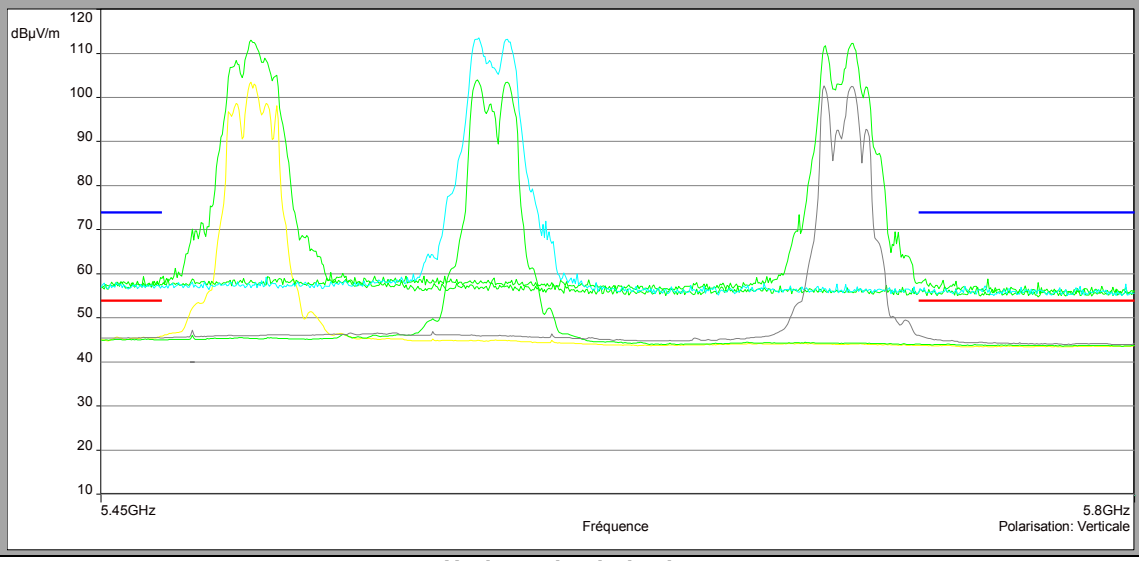
802.11a

C7/C8/C9

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 135344720, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

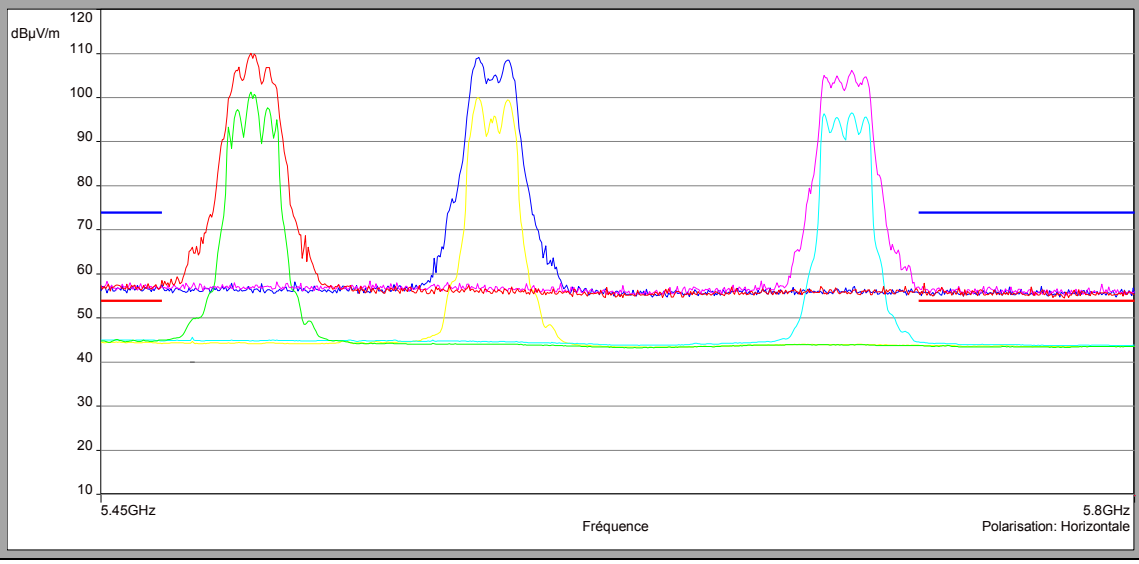
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 135344752, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

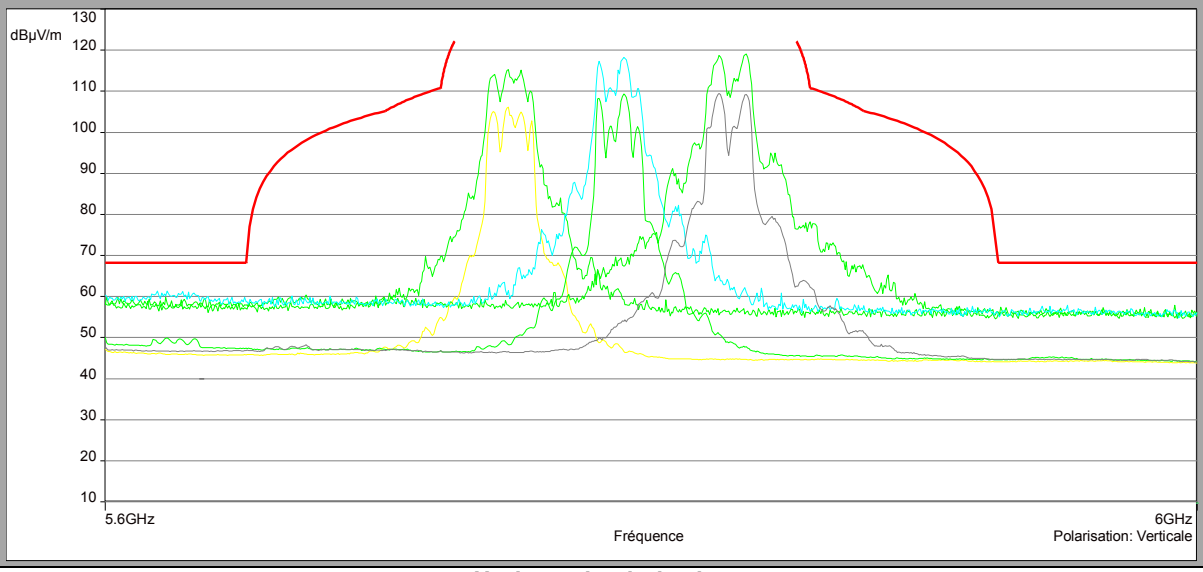
802.11a

C11/C12/C13

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 205358704, Nombre de Balayages : 1, Preamp : On: 20 dB - LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

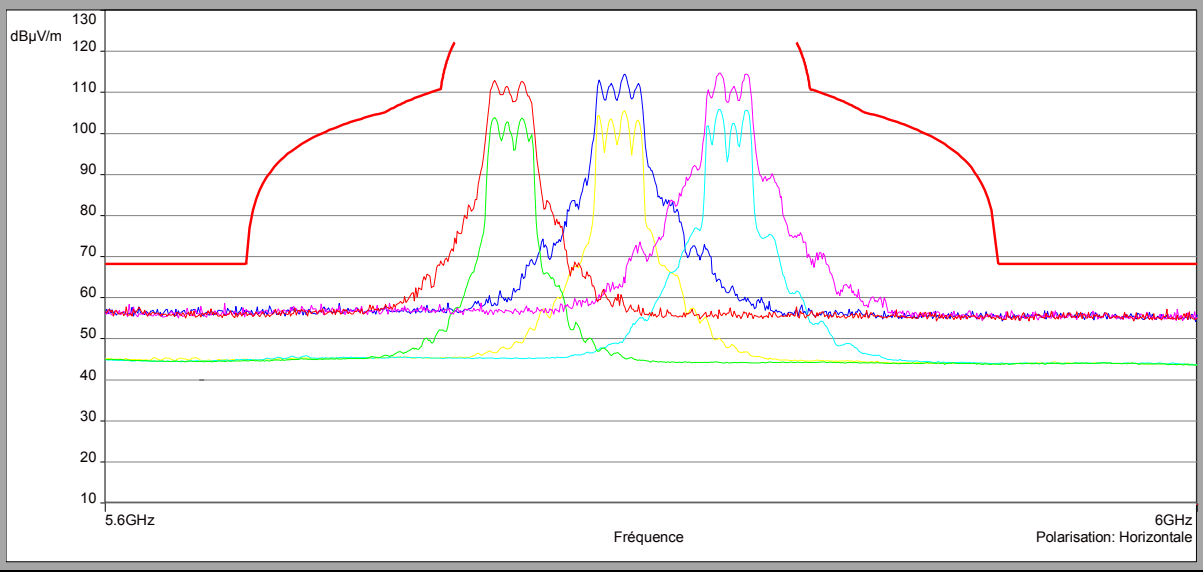
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 205358608, Nombre de Balayages : 1, Preamp : On: 20 dB - LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

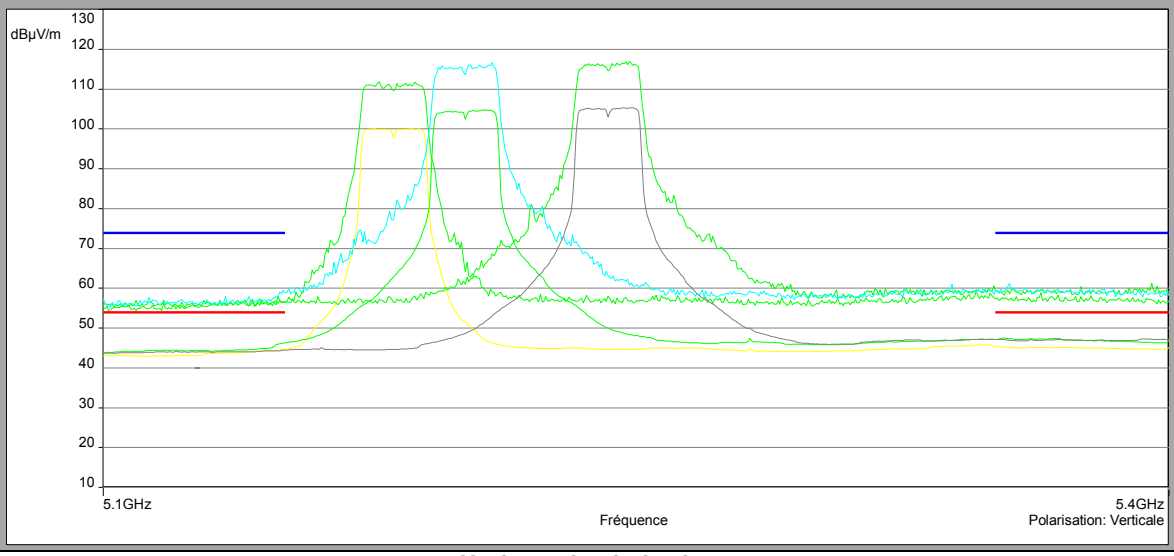
802.11n HT20/ac VHT20

C1/C2/C3

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 153009704, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

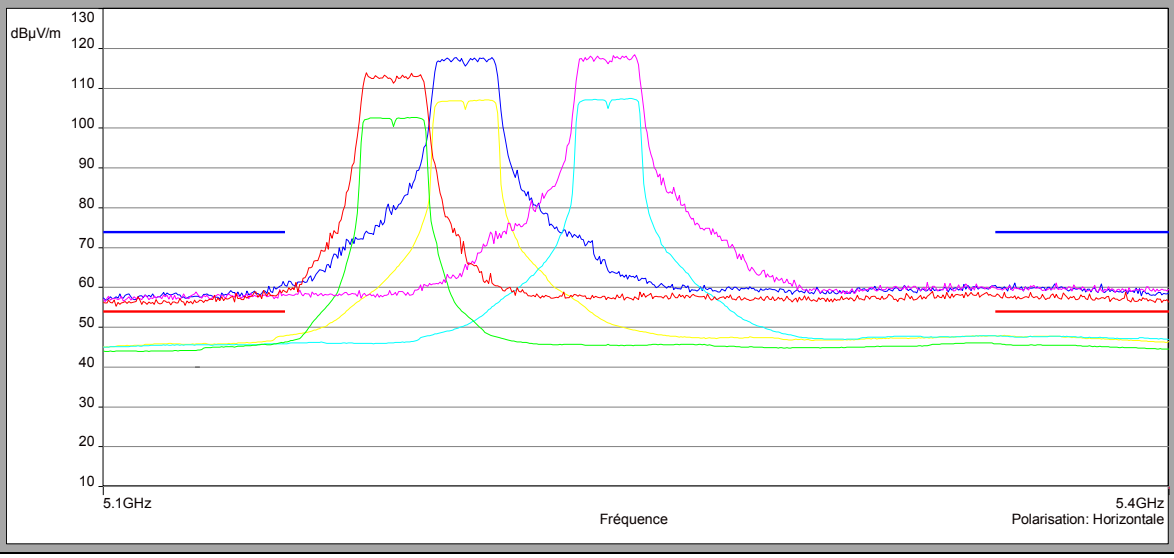
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 153009736, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

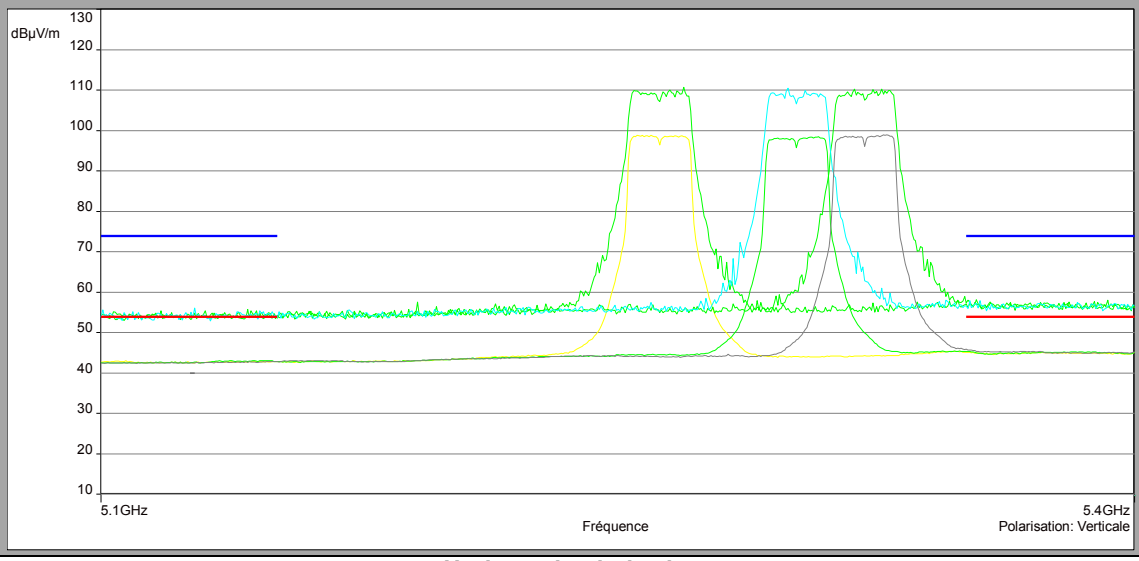
802.11n HT20/ac VHT20

C4/C5/C6

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 159653792, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

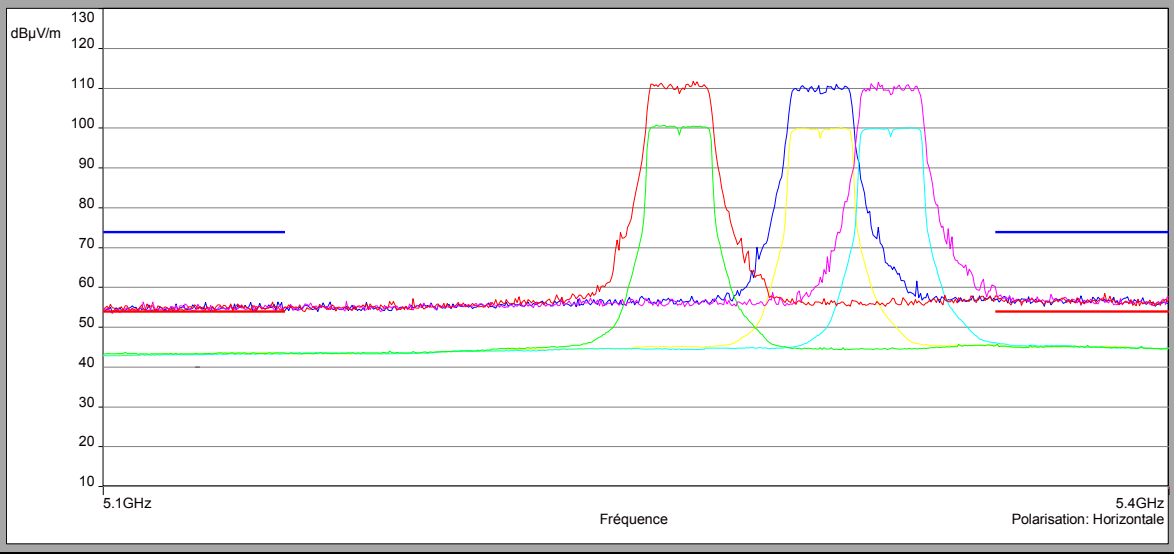
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 207536080, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

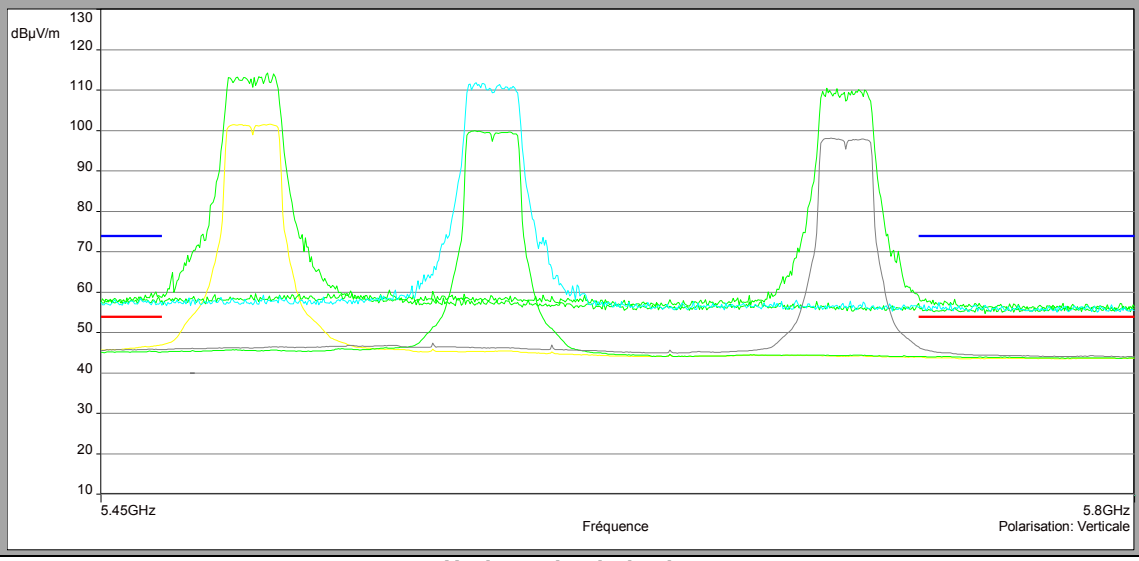
802.11n HT20/ac VHT20

C7/C8/C9

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 206472600, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

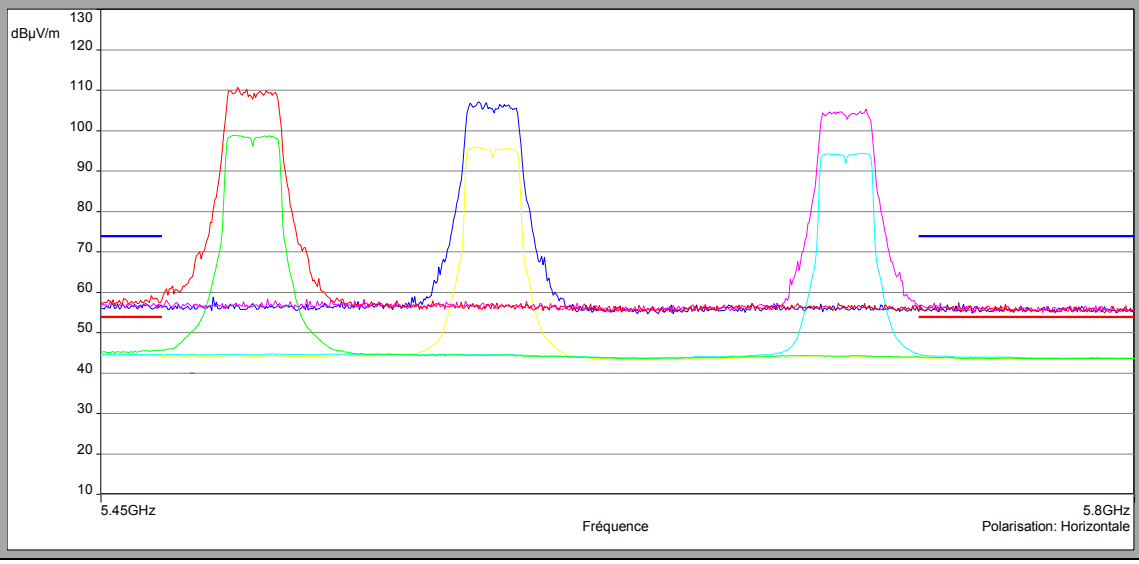
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 156785688, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

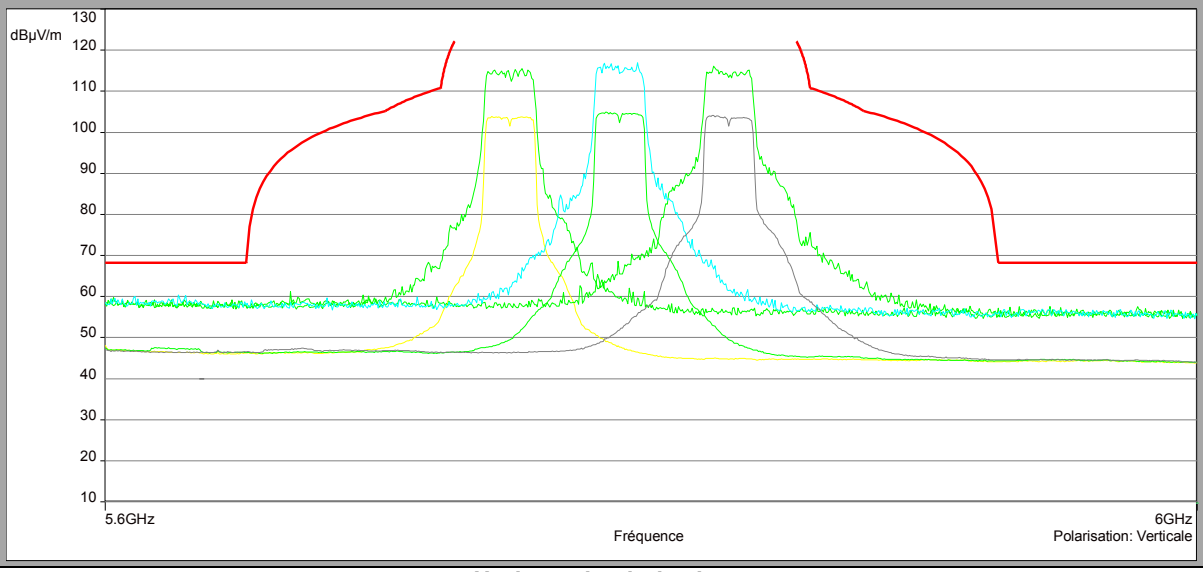
802.11n HT20/ac VHT20

C11/C12/C13

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 153323256, Nombre de Balayages : 1, Preamp : On: 20 dB - LN Preamp : Off, Presélecteur: Off
Polarisation:Verticale
Distance: 3 m

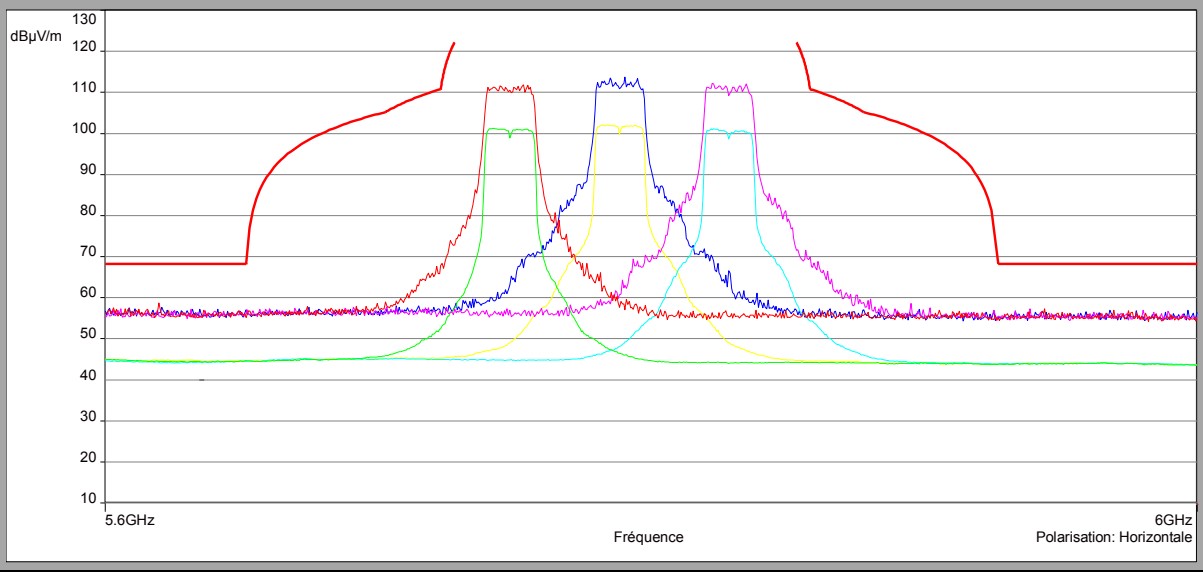
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 153323160, Nombre de Balayages : 1, Preamp : On: 20 dB - LN Preamp : Off, Presélecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

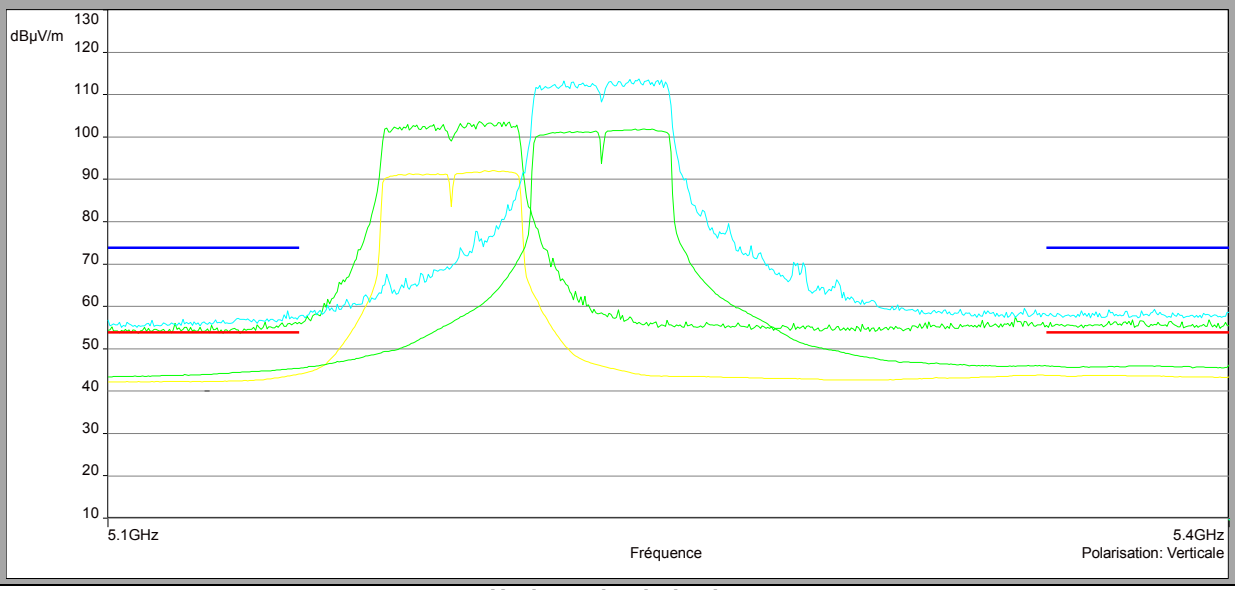
802.11n HT40/ac VHT40

C14/C15

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 156349520, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

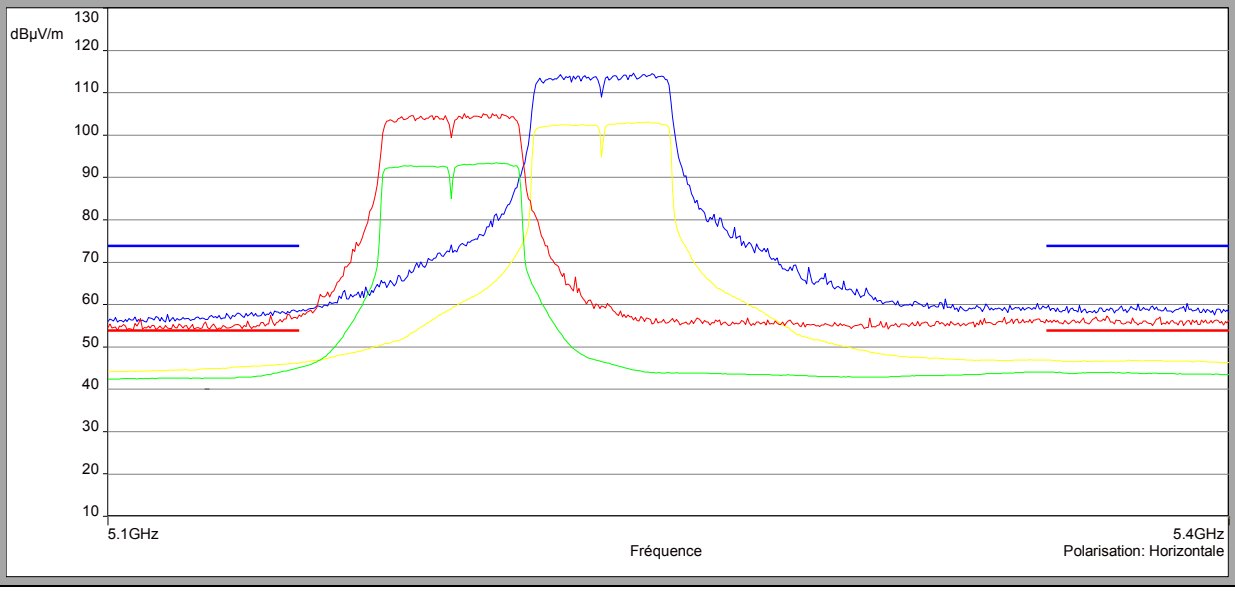
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel High (Verticale)
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 156349424, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel High (Horizontale)



Above 1GHz

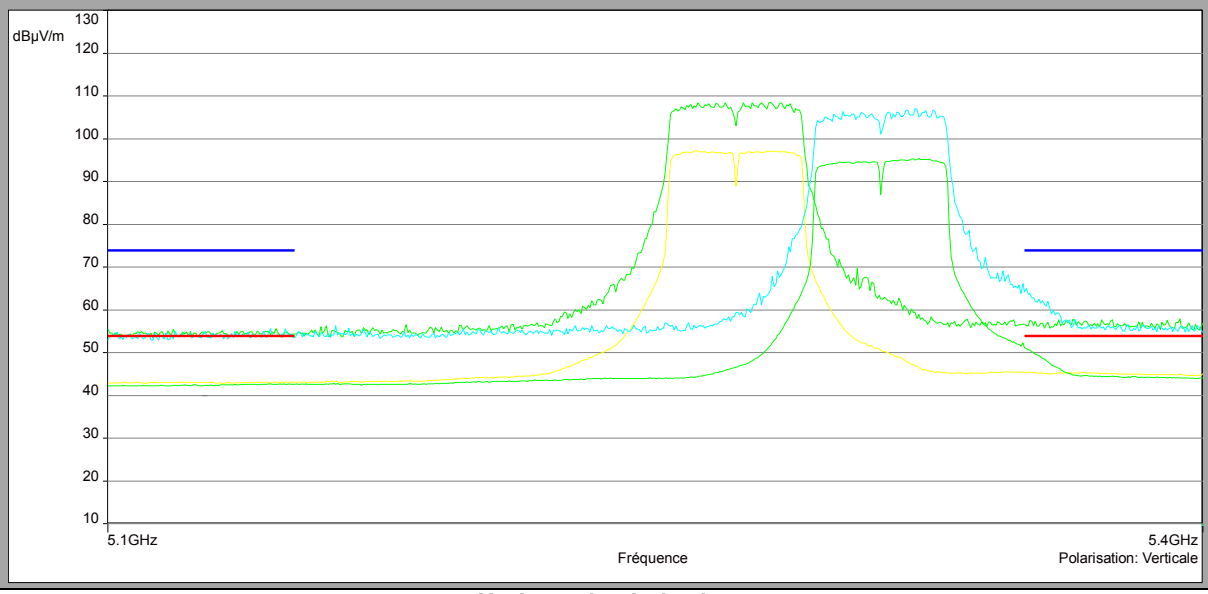
802.11n HT40/ac VHT40

C16/C17

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 6510488, Nombre de Balayages : 1, Preamp : On 20 dB , LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

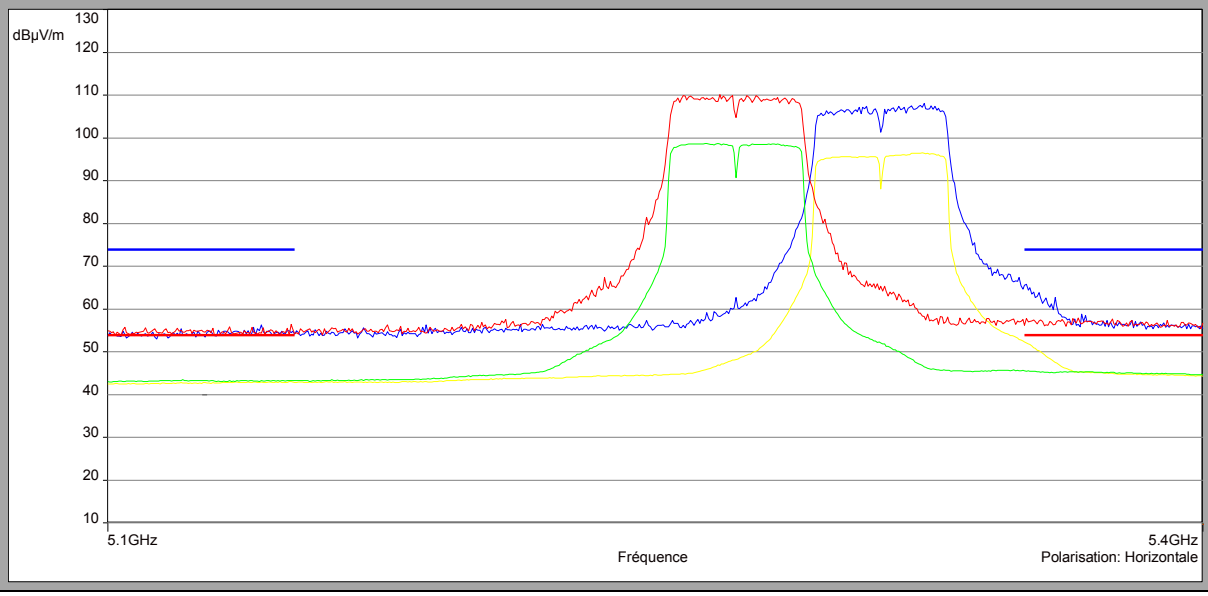
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel High (Verticale)
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Avg (Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 6510488, Nombre de Balayages : 1, Preamp : On 20 dB , LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Avg (Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel High (Horizontale)



Above 1GHz

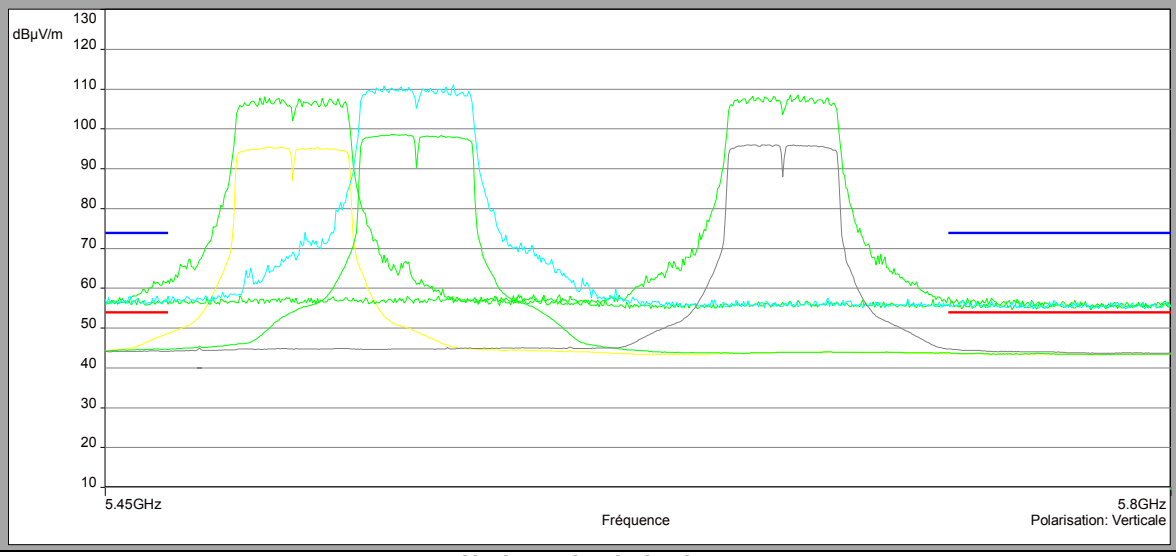
802.11n HT40/ac VHT40

C18/C19/C20

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 199068968, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

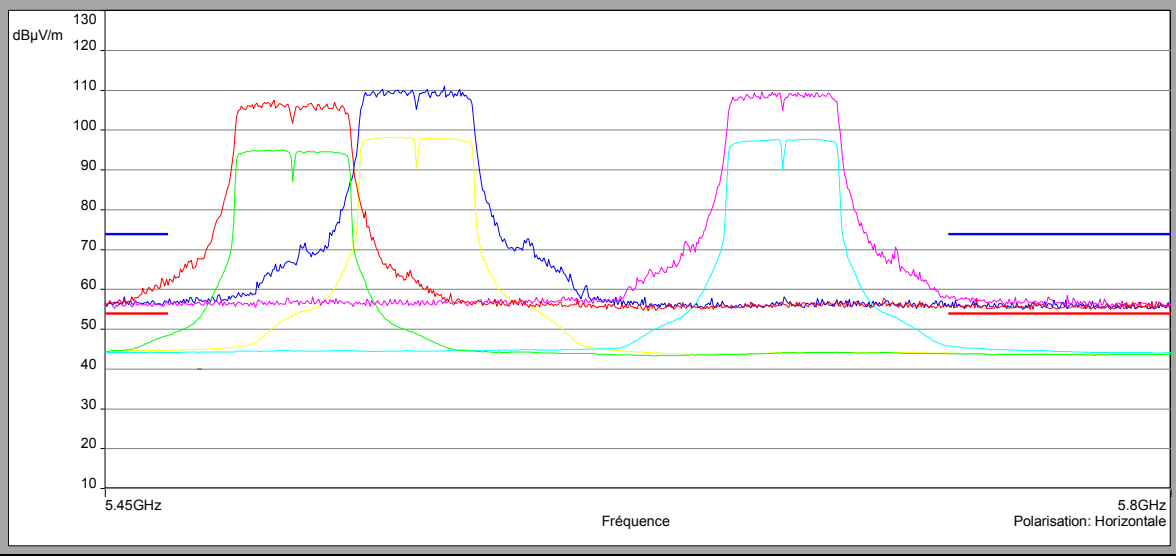
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Middle (Verticale)
Mes.Avg Channel Middle (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Peak Channel High (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 199068872, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Avg Channel High (Horizontale)
Mes.Peak Channel Middle (Horizontale)
Mes.Avg Channel Middle (Horizontale)



Above 1GHz

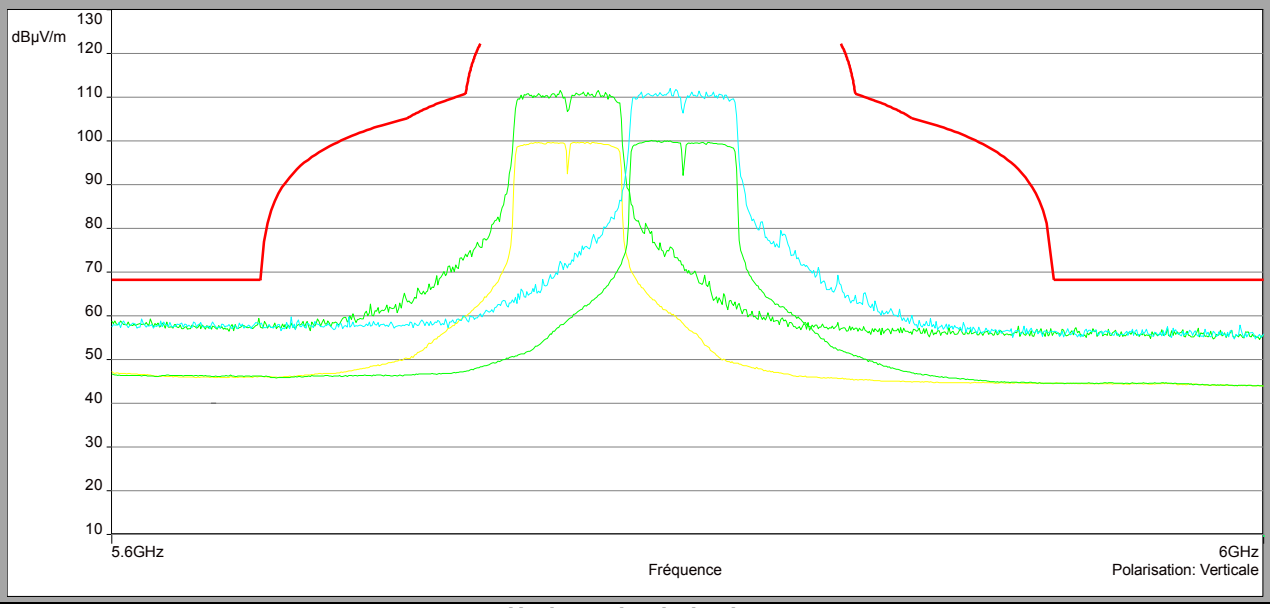
802.11n HT40/ac VHT40

C22/C23

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 153144088, Nombre de Balayages : 1, Preamp: On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

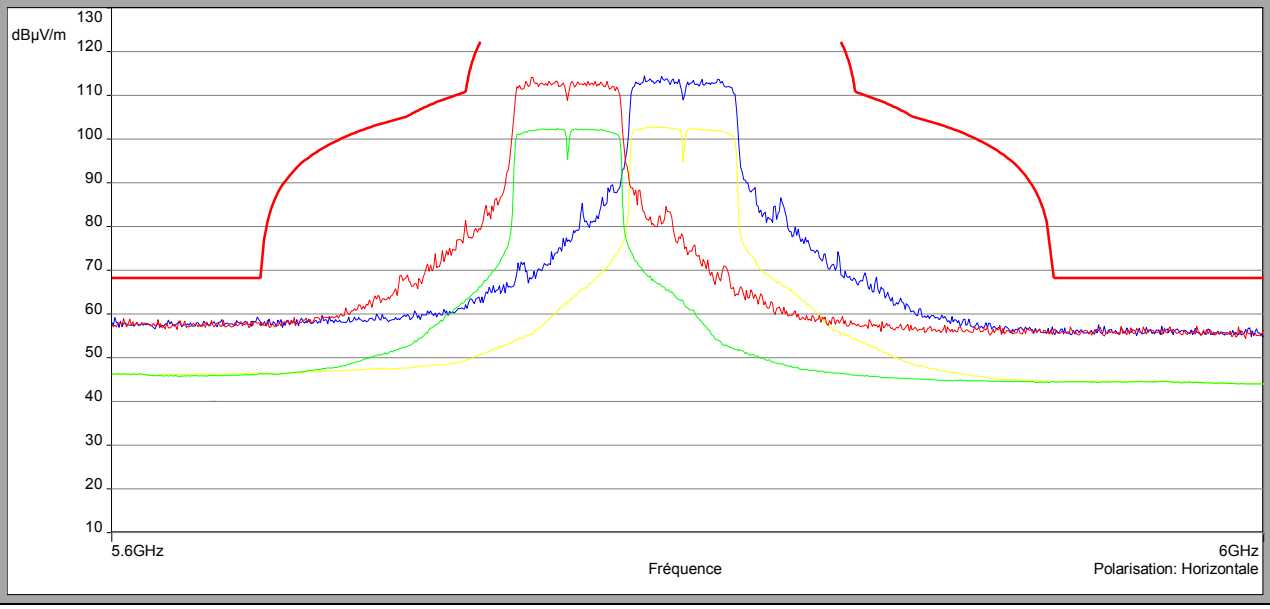
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Peak Channel High (Verticale)
Mes.Avg Channel High (Verticale)
Mes.Peak Channel Low (Verticale)
Mes.Avg Channel Low (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 153144120, Nombre de Balayages : 1, Preamp: On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Peak Channel Low (Horizontale)
Mes.Avg Channel Low (Horizontale)
Mes.Peak Channel High (Horizontale)
Mes.Avg Channel High (Horizontale)



Above 1GHz

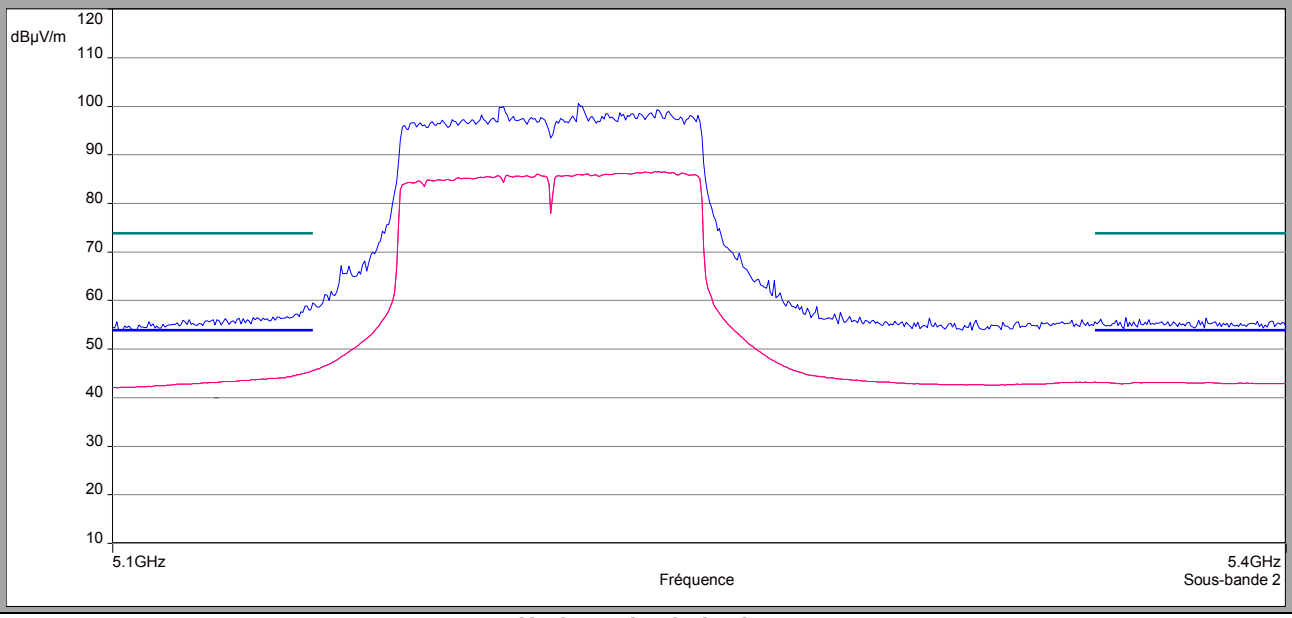
802.11ac VHT80

C24

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 151969040, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

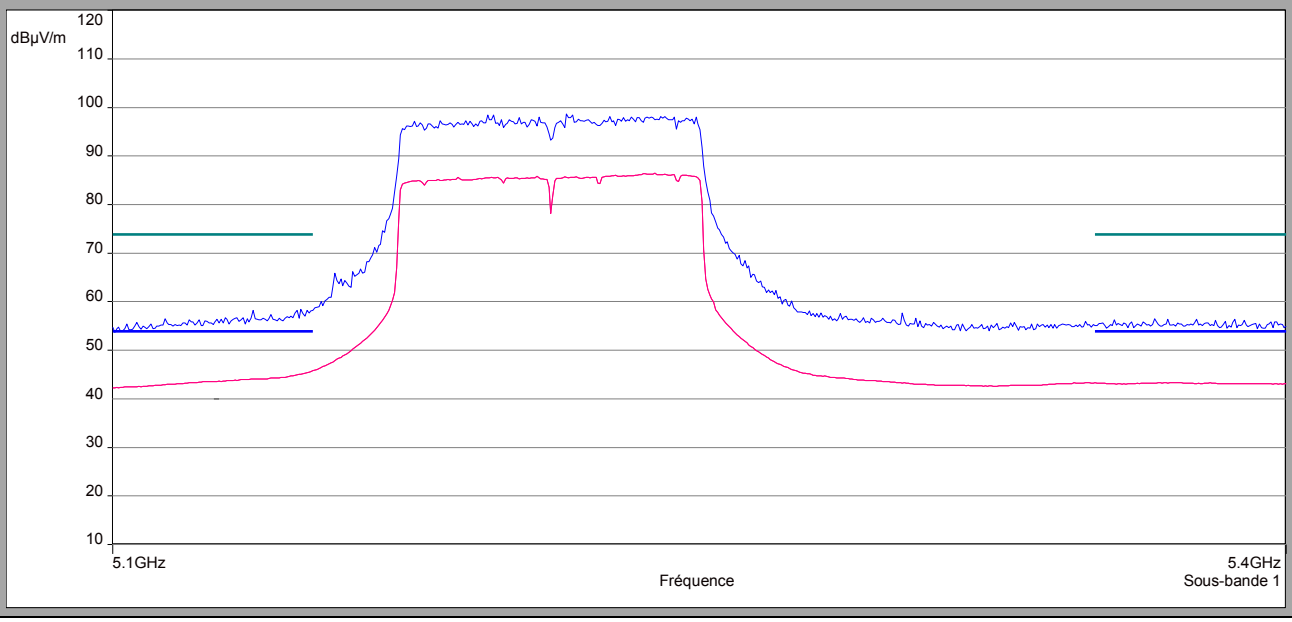
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 152908248, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



Above 1GHz

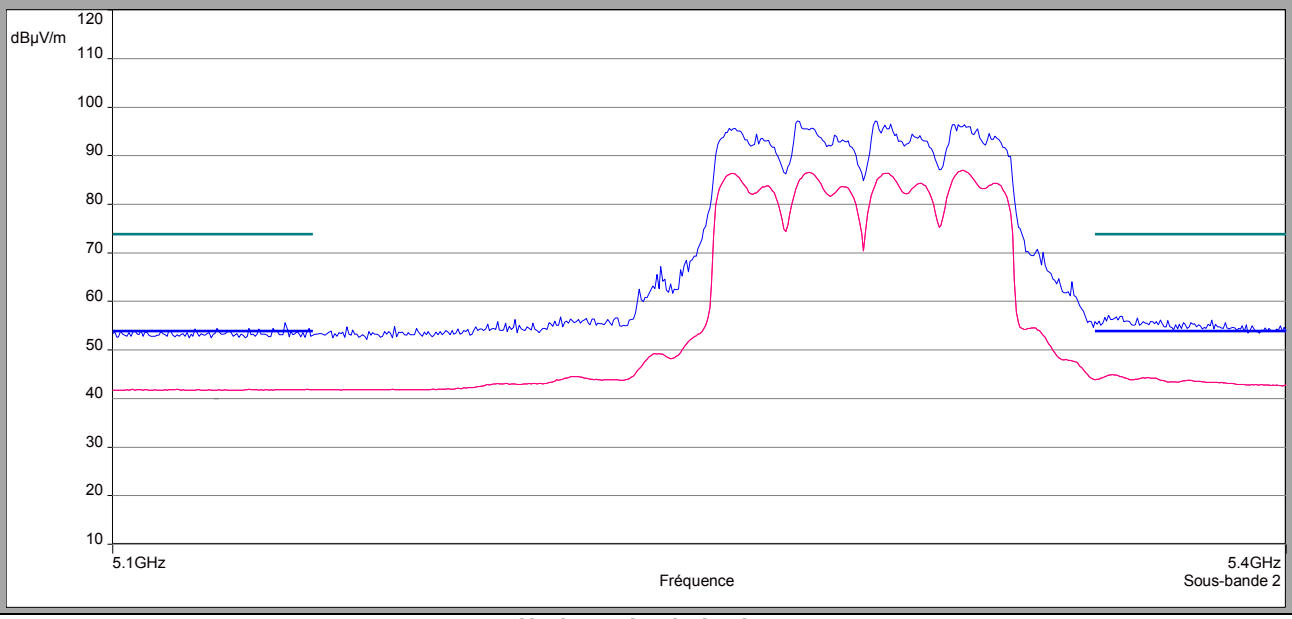
802.11ac VHT80

C25

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 152291120, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

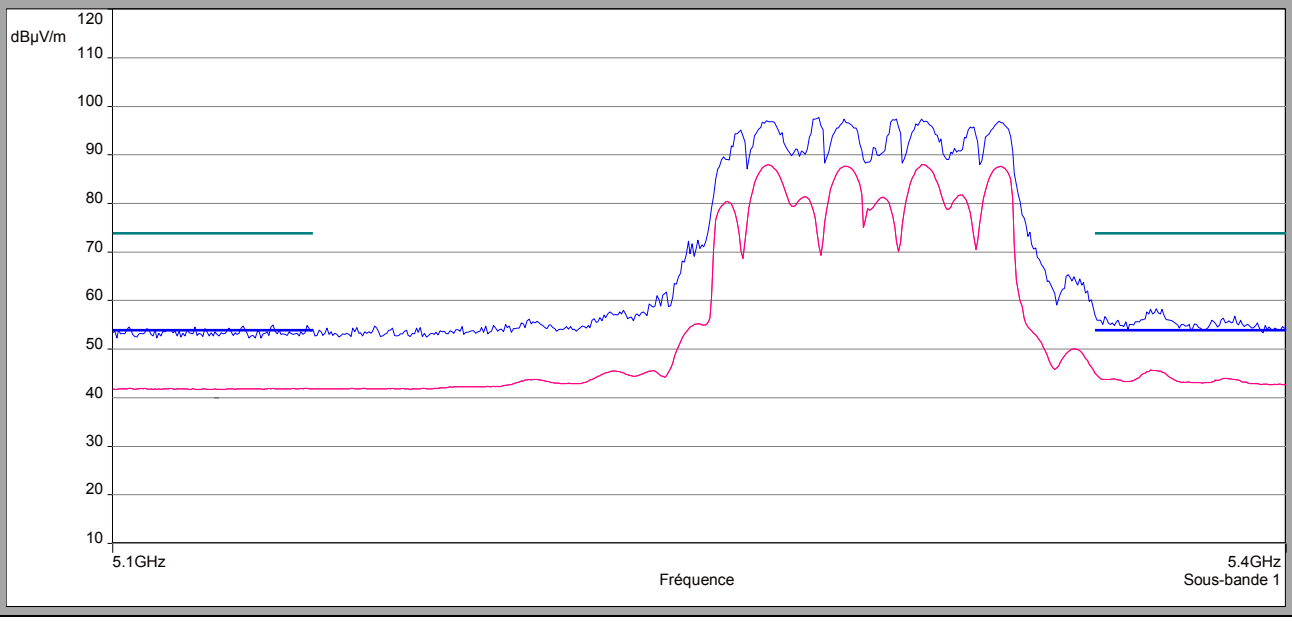
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.1 GHz - 5.4 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 152290928, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



Above 1GHz

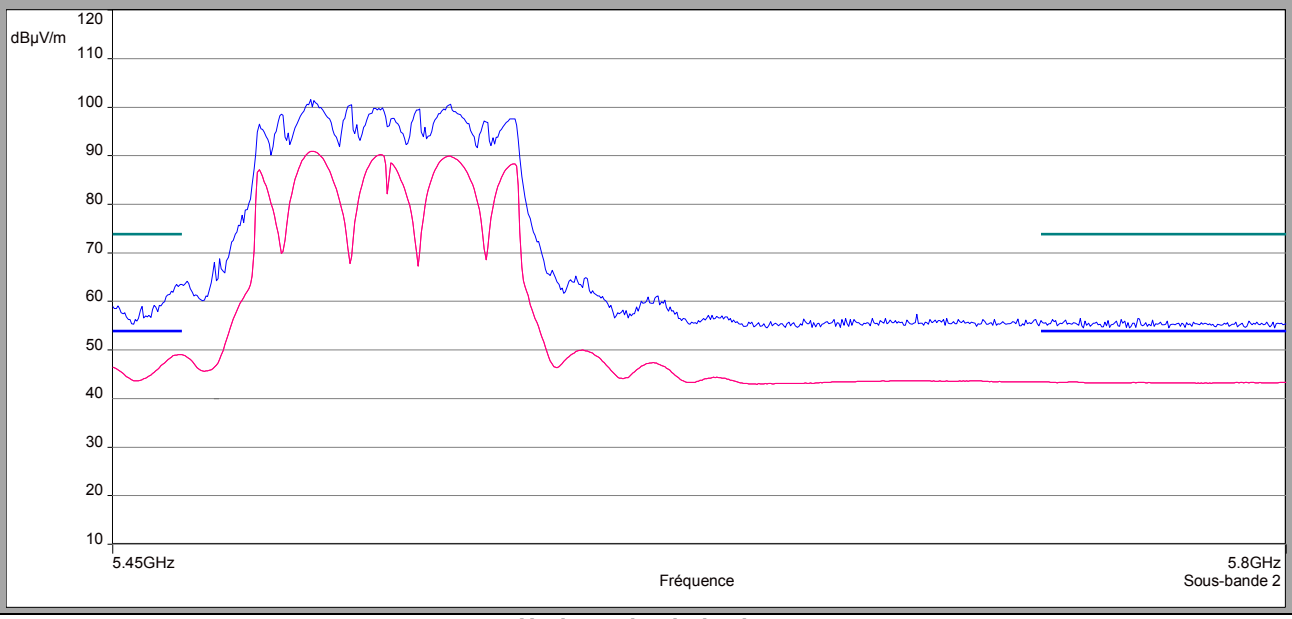
802.11ac VHT80

C26

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 151660856, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

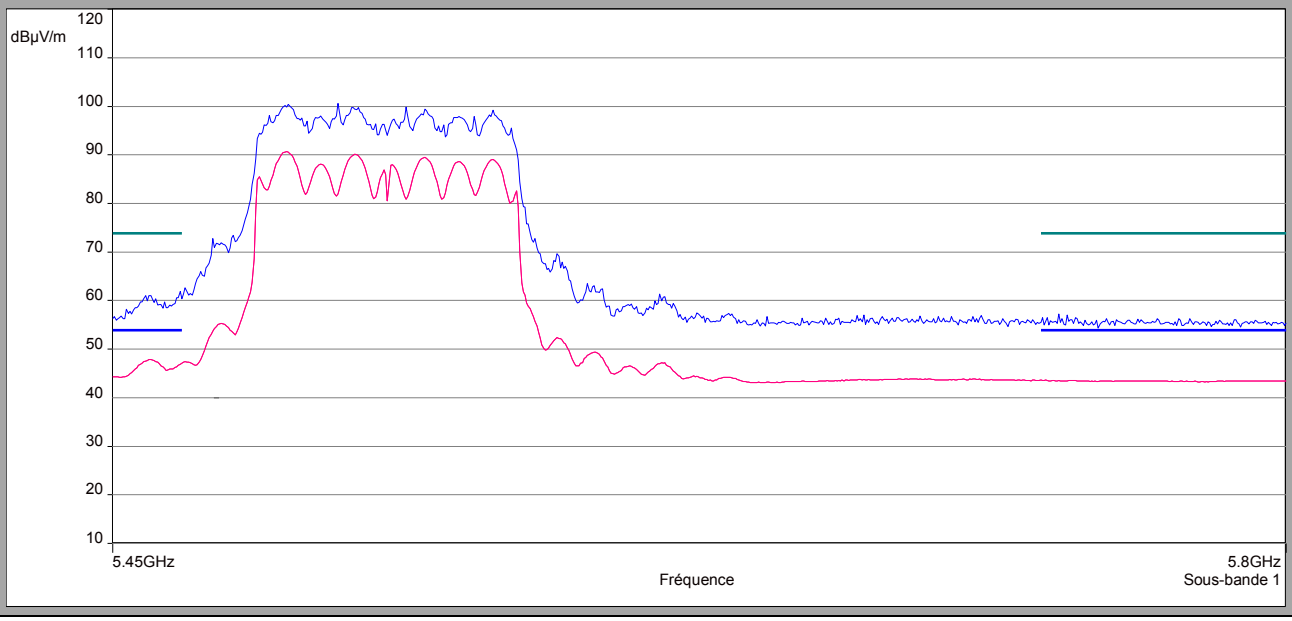
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



Horizontal polarization

Description Sous-bande 1
Fréquences: 5.45 GHz - 5.8 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 50 ms/Pts, Atténuation : 152561848, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



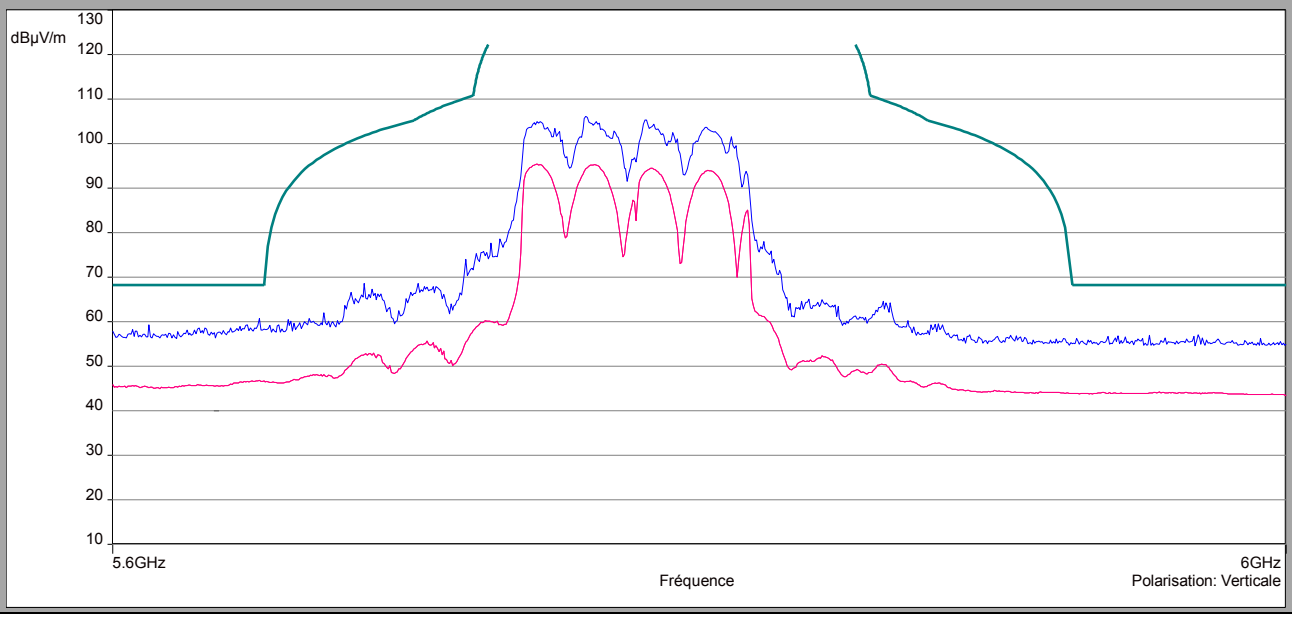
802.11ac VHT80

C29

Vertical Polarization

Description Sous-bande 2
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 150718088, Nombre de Balayages : 1, Preamp : On, 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

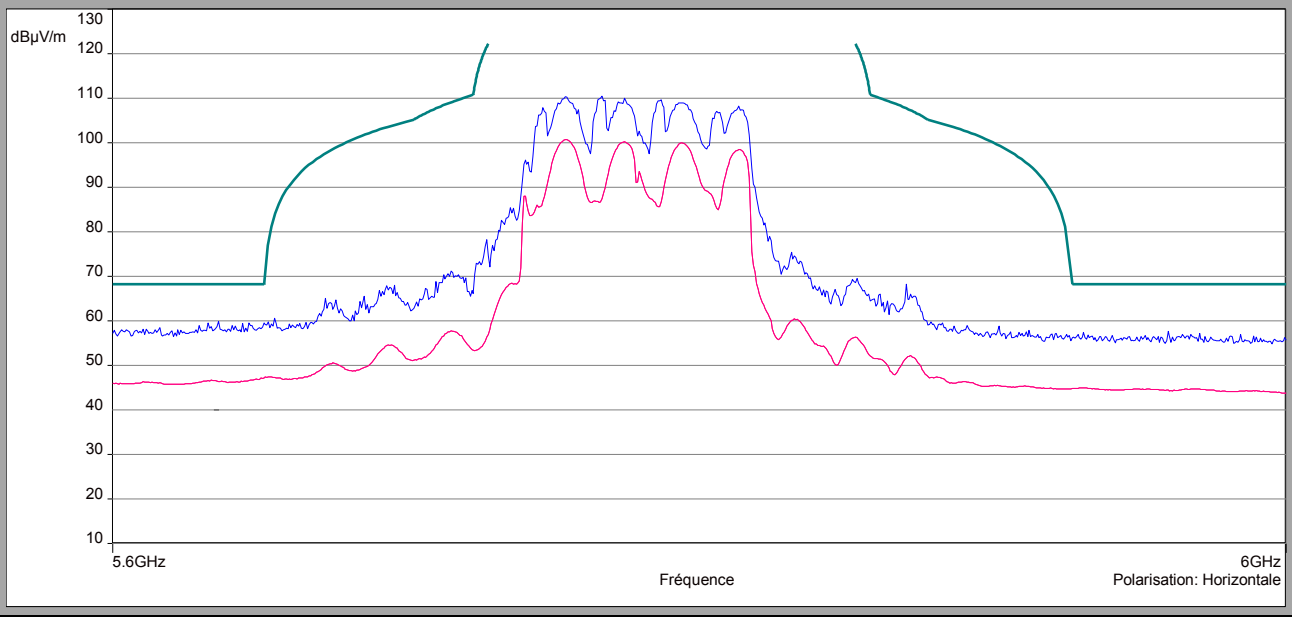
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



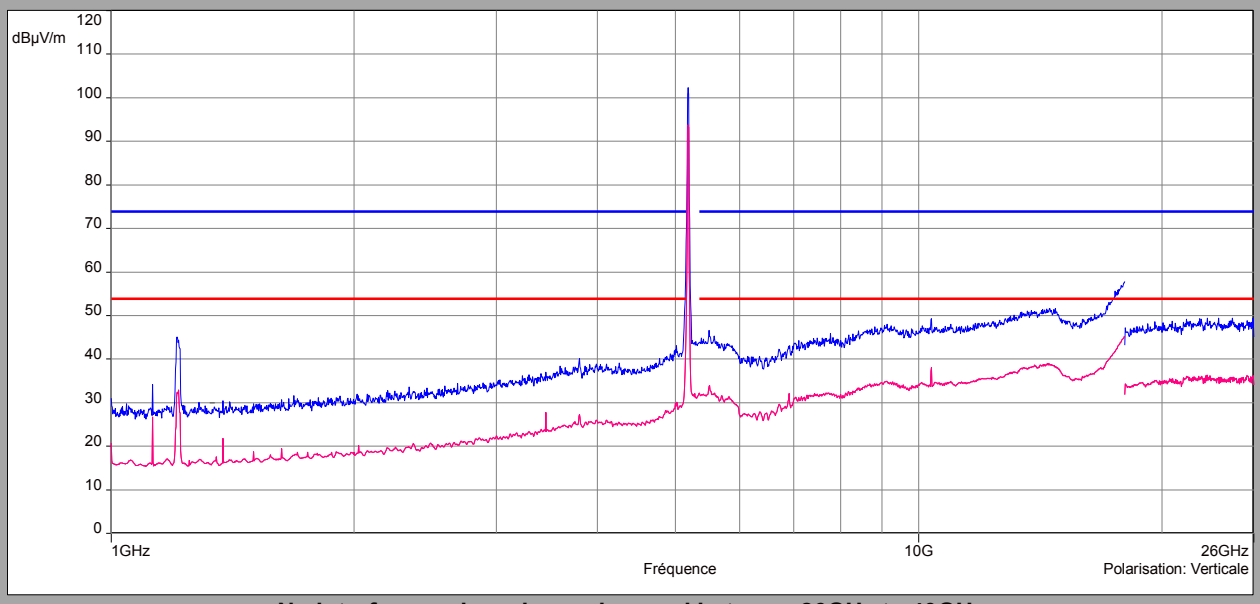
Horizontal polarization

Description Sous-bande 1
Fréquences: 5.6 GHz - 6 GHz (Mode: Lin, Pas: 500 kHz)
Réglages: RBW: 1 MHz, VBW: Auto, Durée balayage : 10 ms/Pts, Atténuation : 151419064, Nombre de Balayages : 1, Preamp : On, 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)

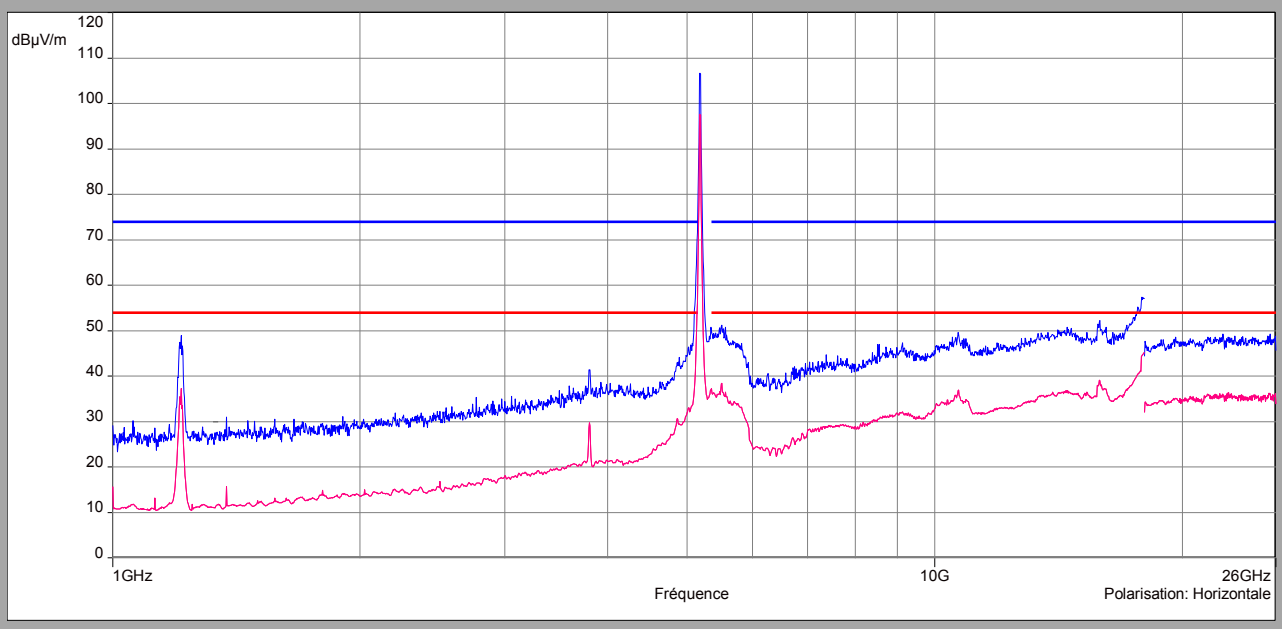


Above 1GHz
802.11a
C1
Vertical Polarization



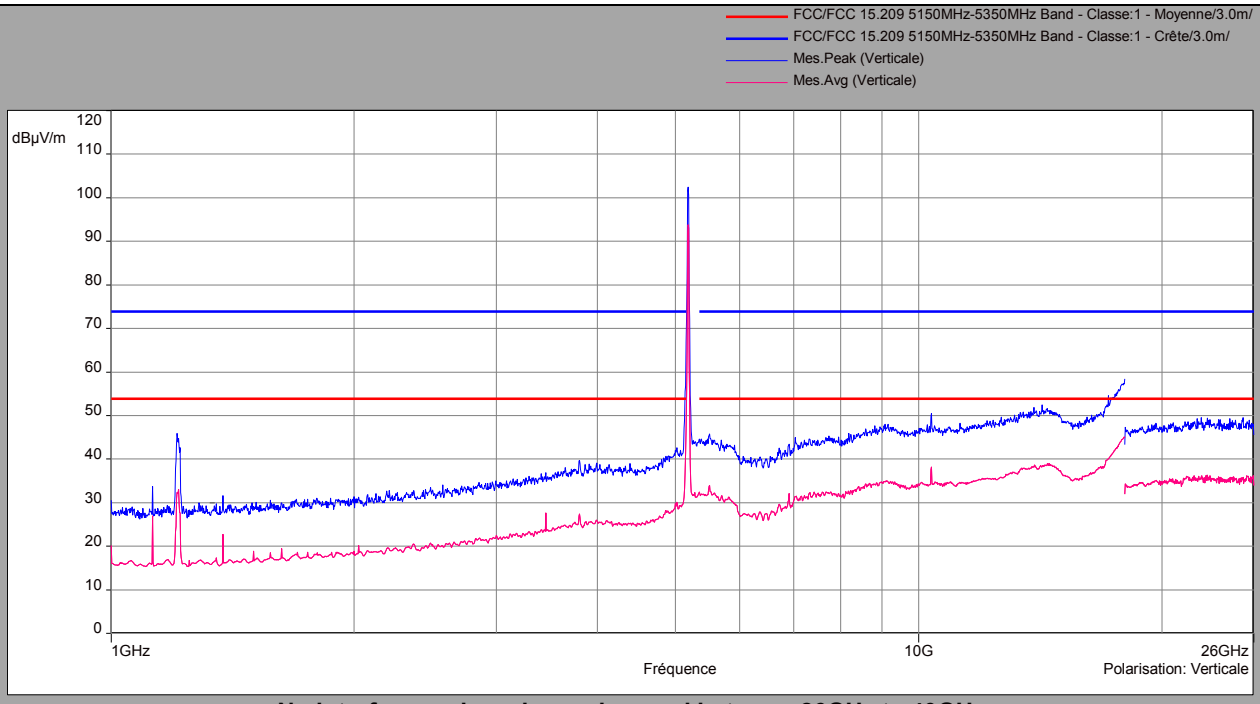
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



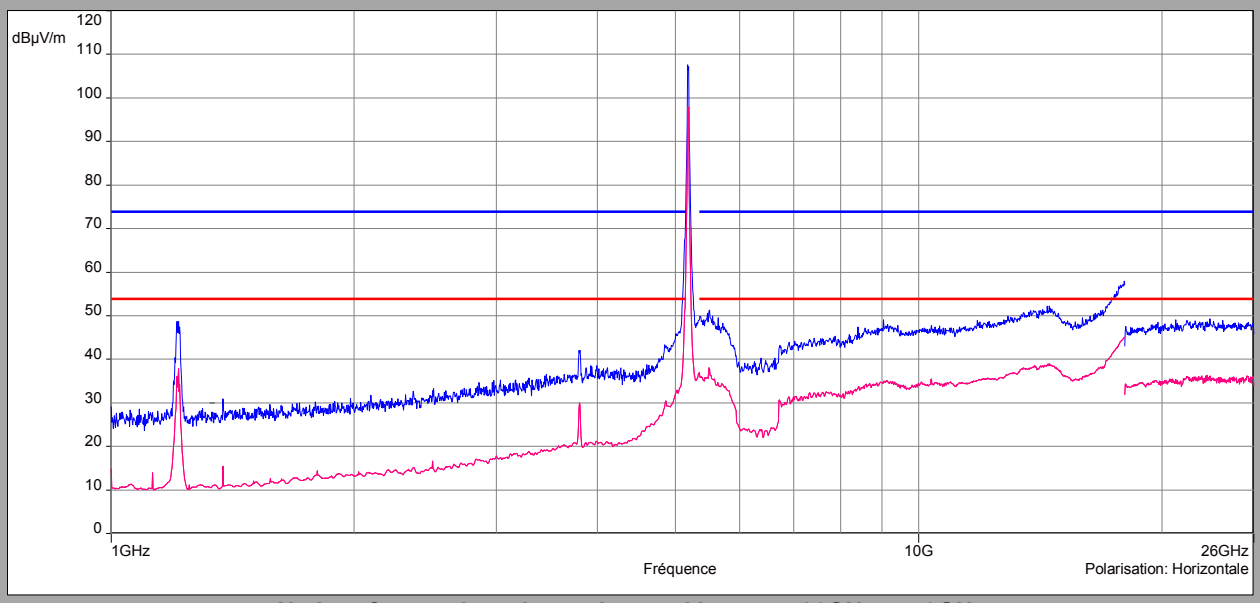
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C2
Vertical Polarization



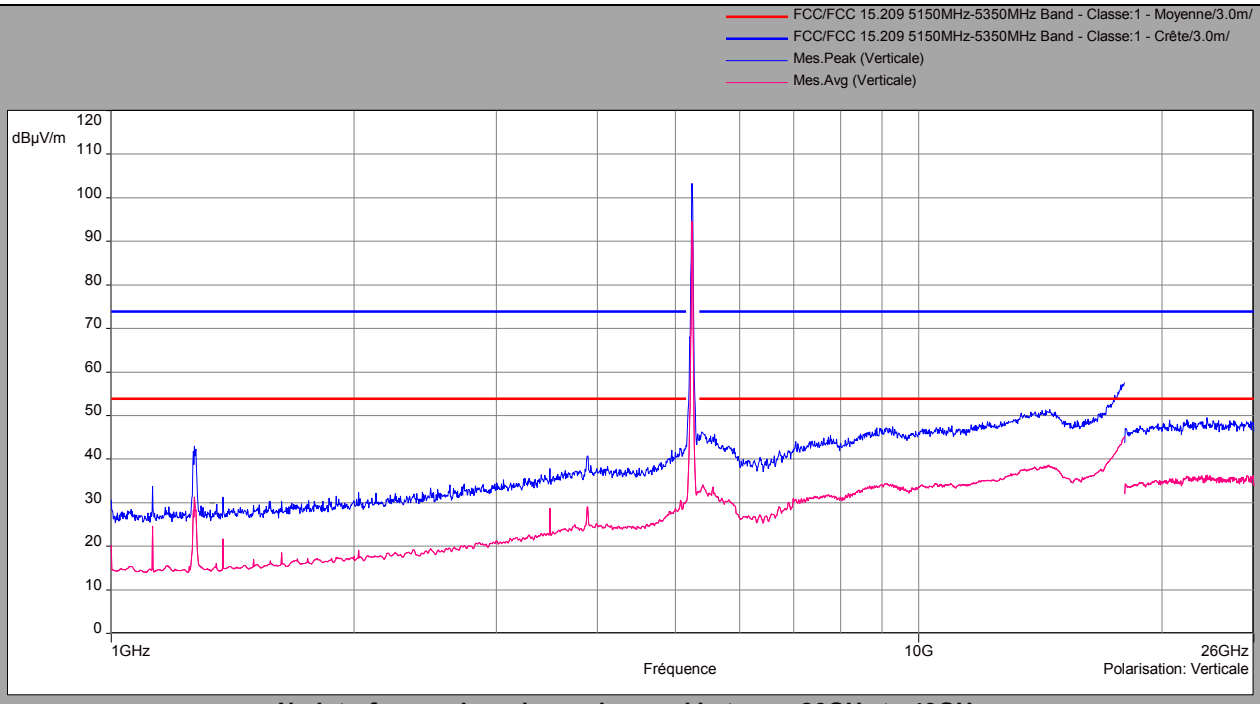
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



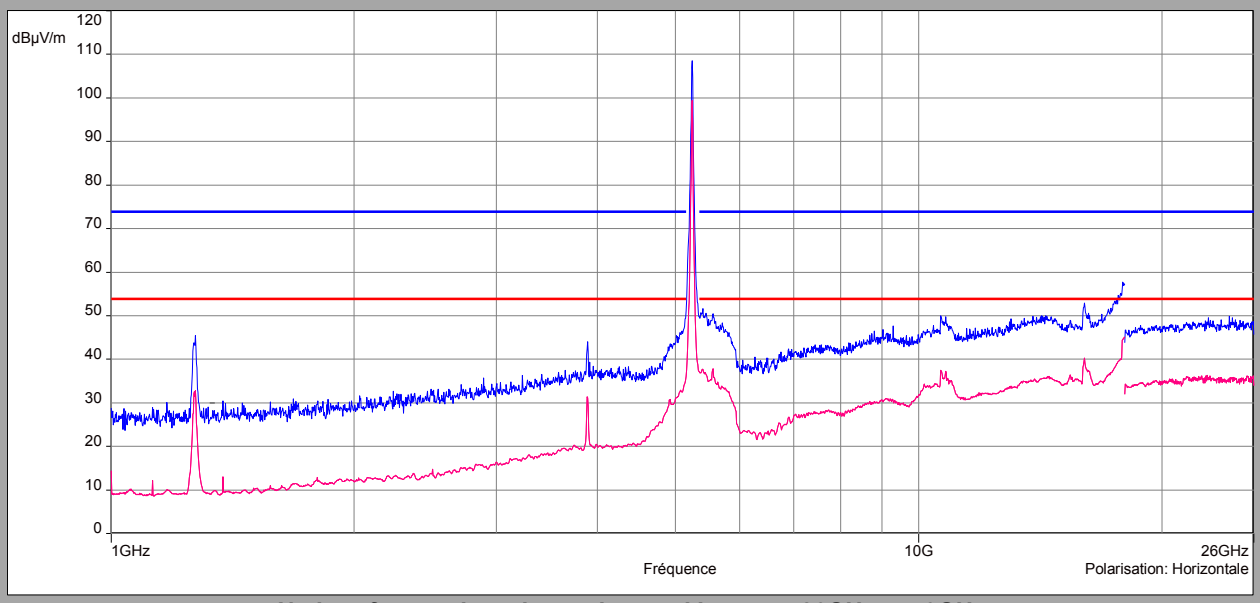
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C3
Vertical Polarization



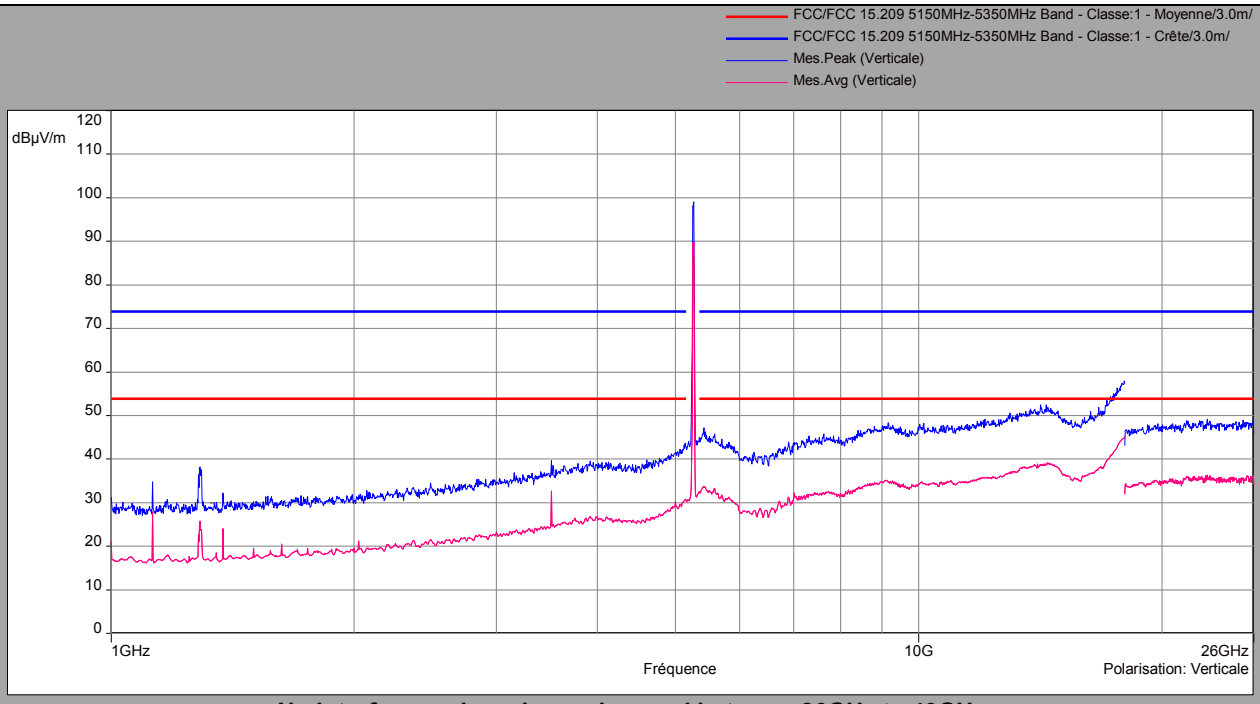
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



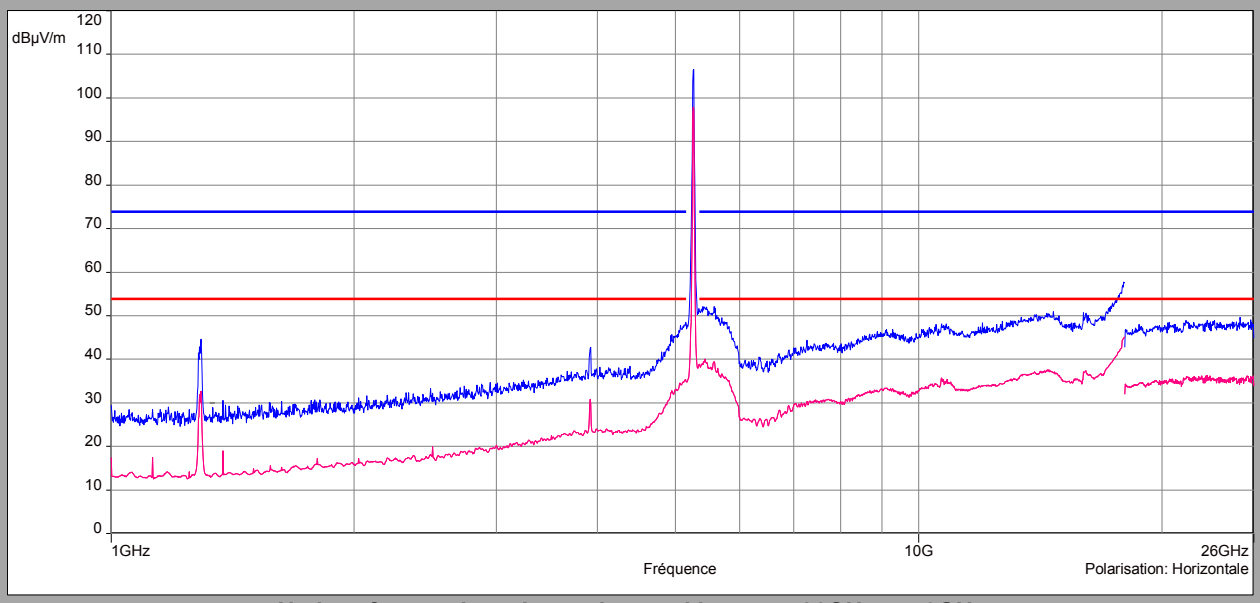
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C4
Vertical Polarization



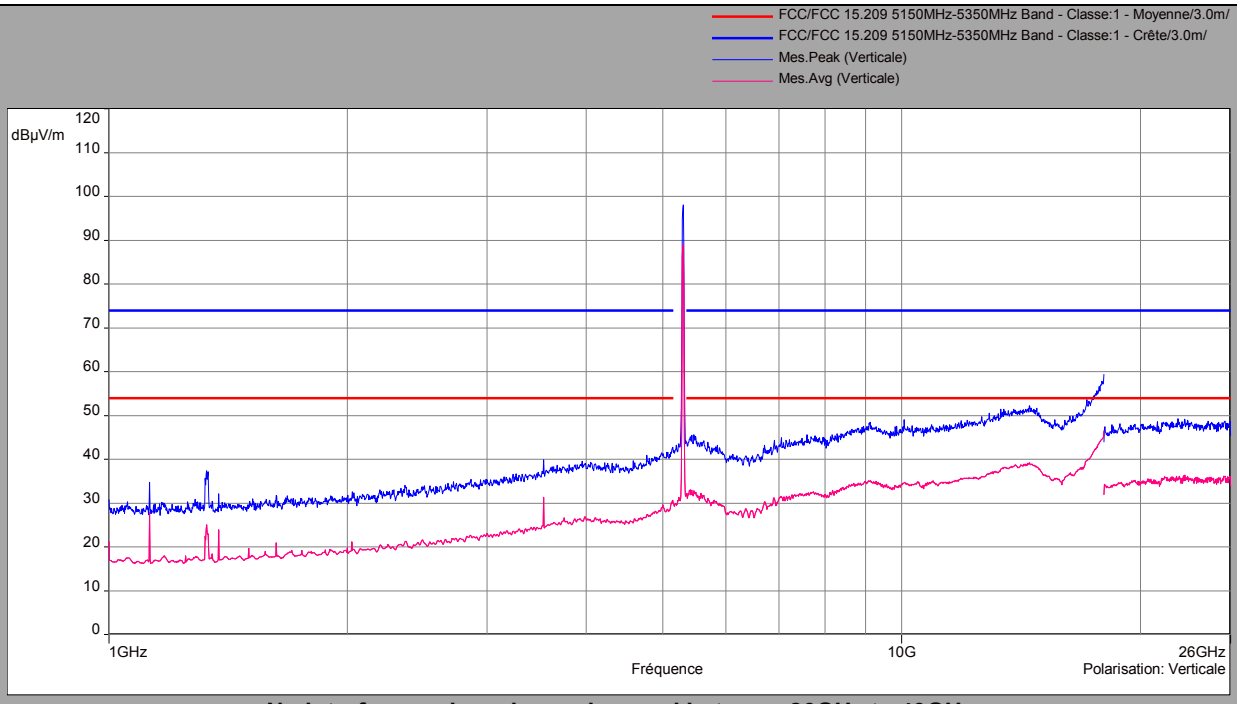
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



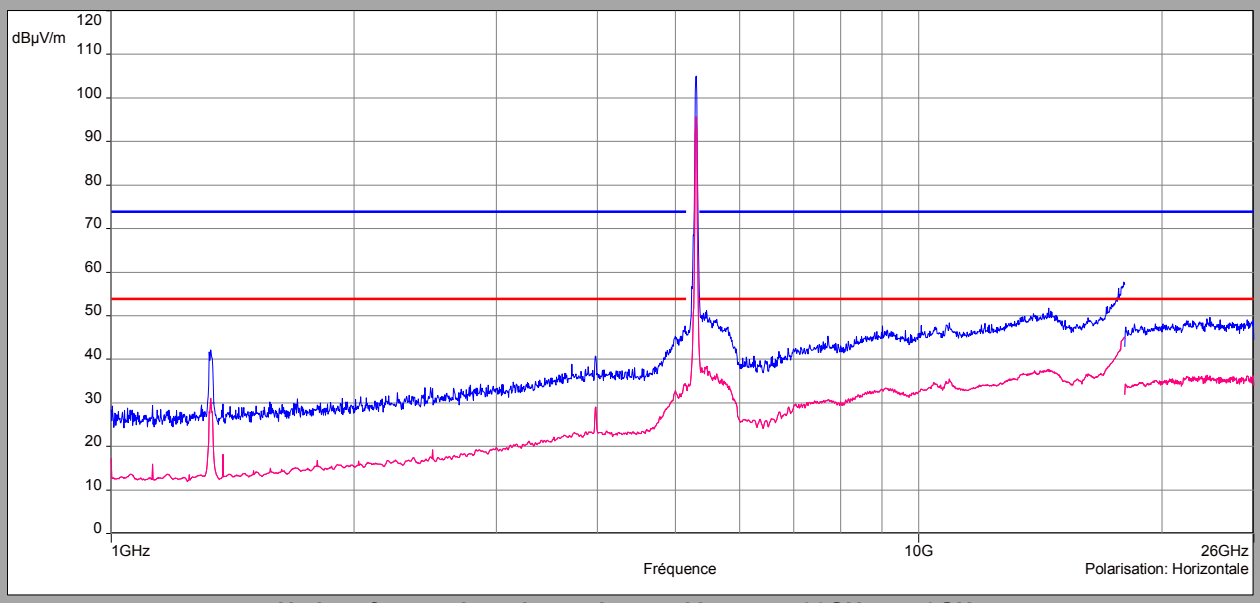
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C5
Vertical Polarization



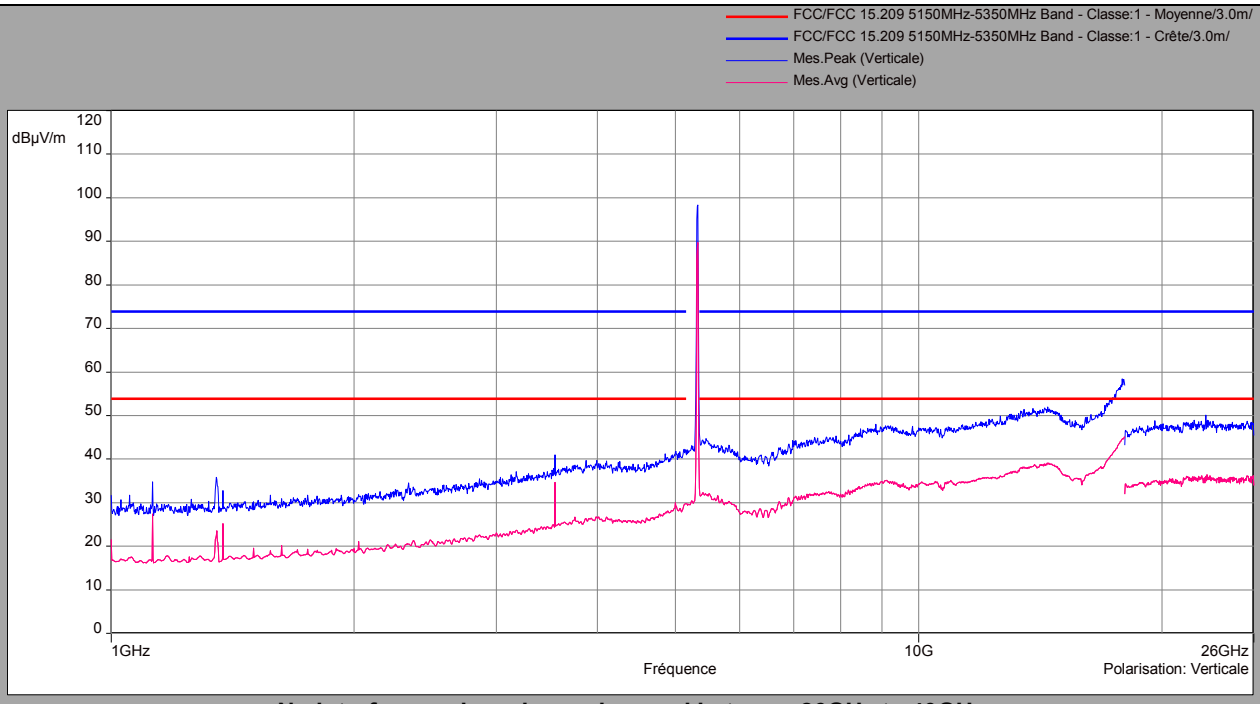
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



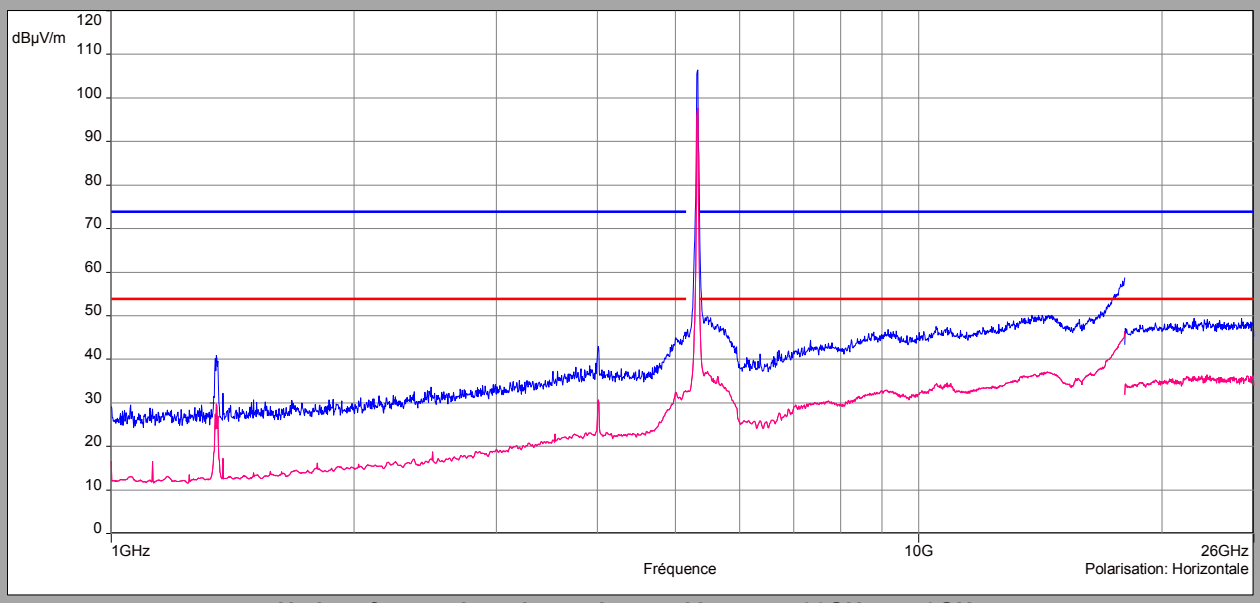
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C6
Vertical Polarization



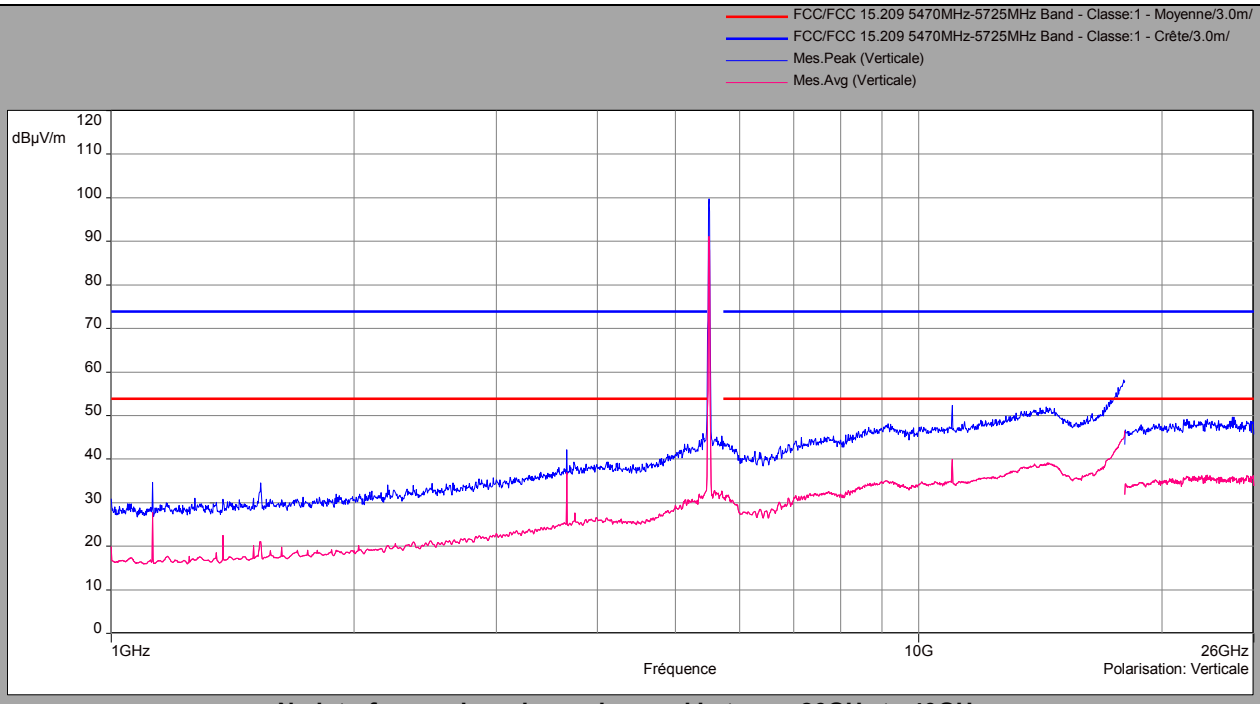
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



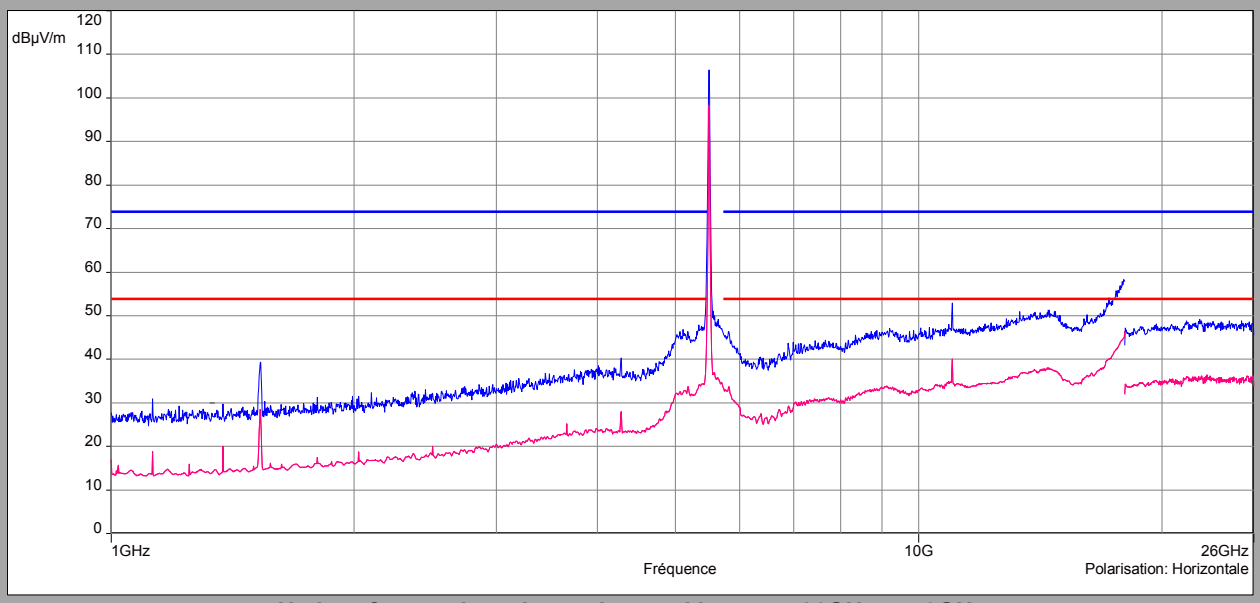
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C7
Vertical Polarization



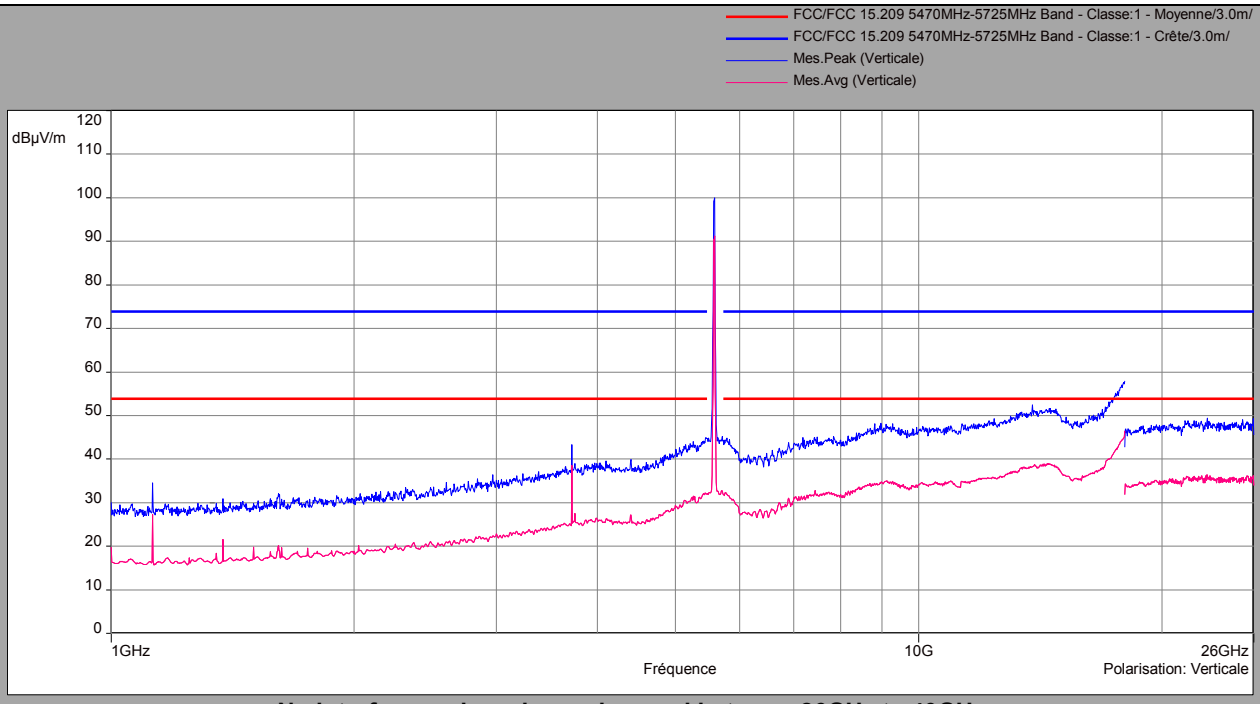
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



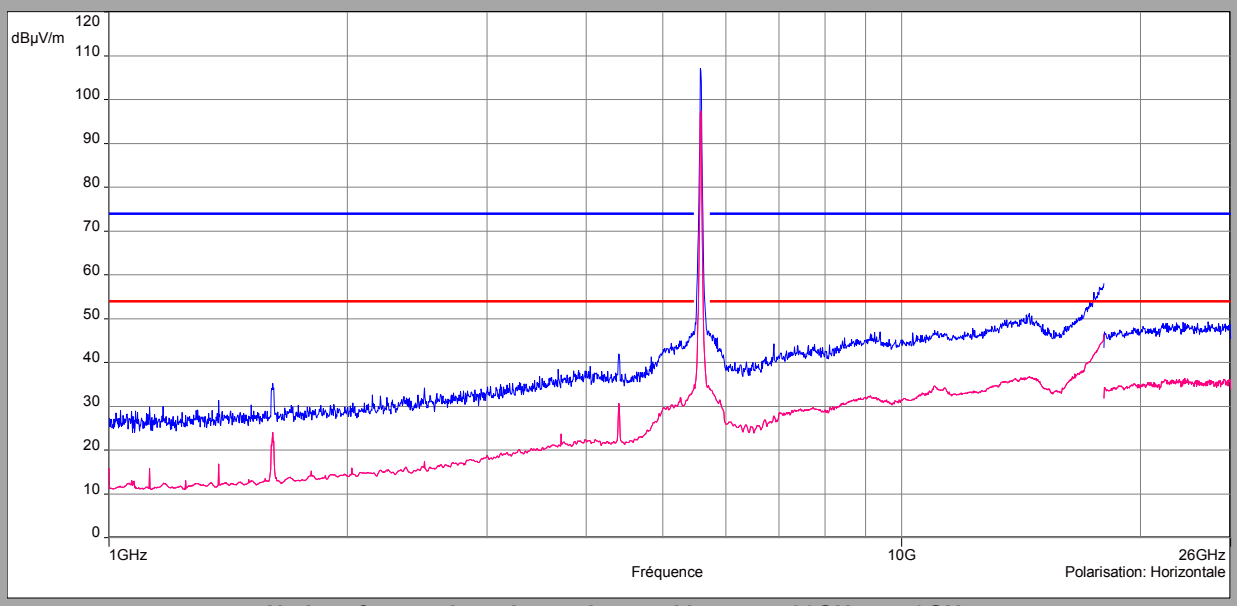
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C8
Vertical Polarization



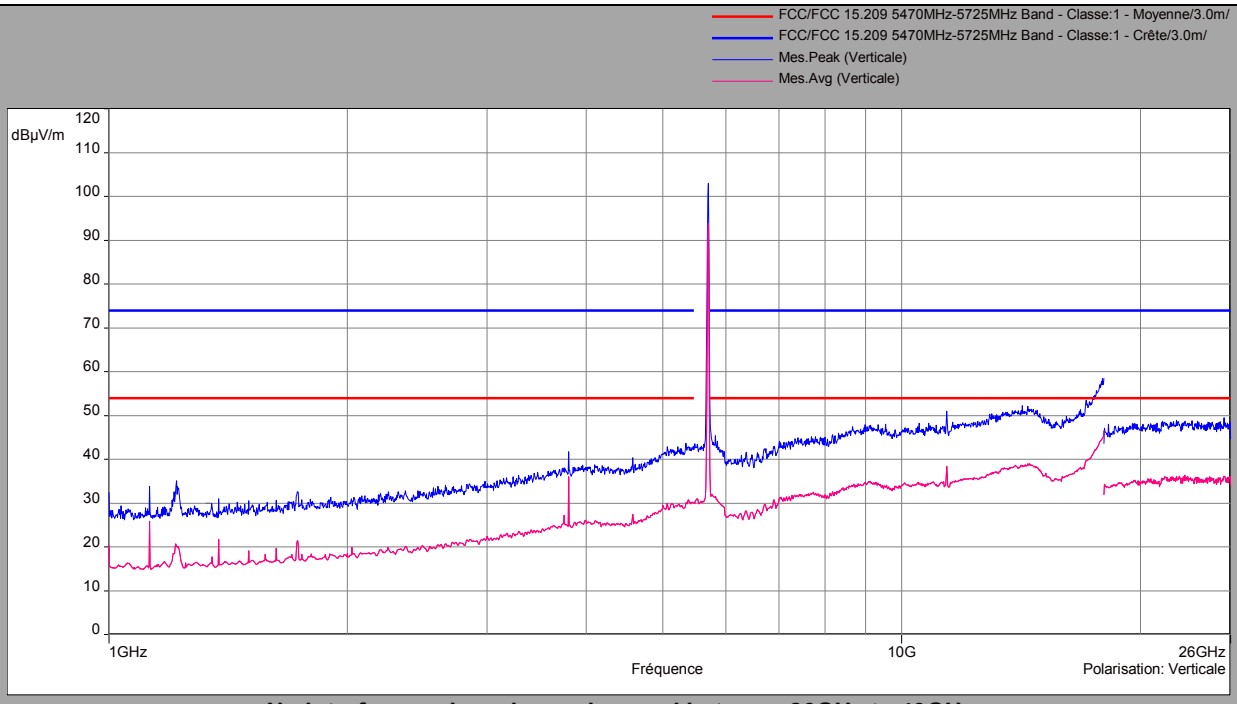
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



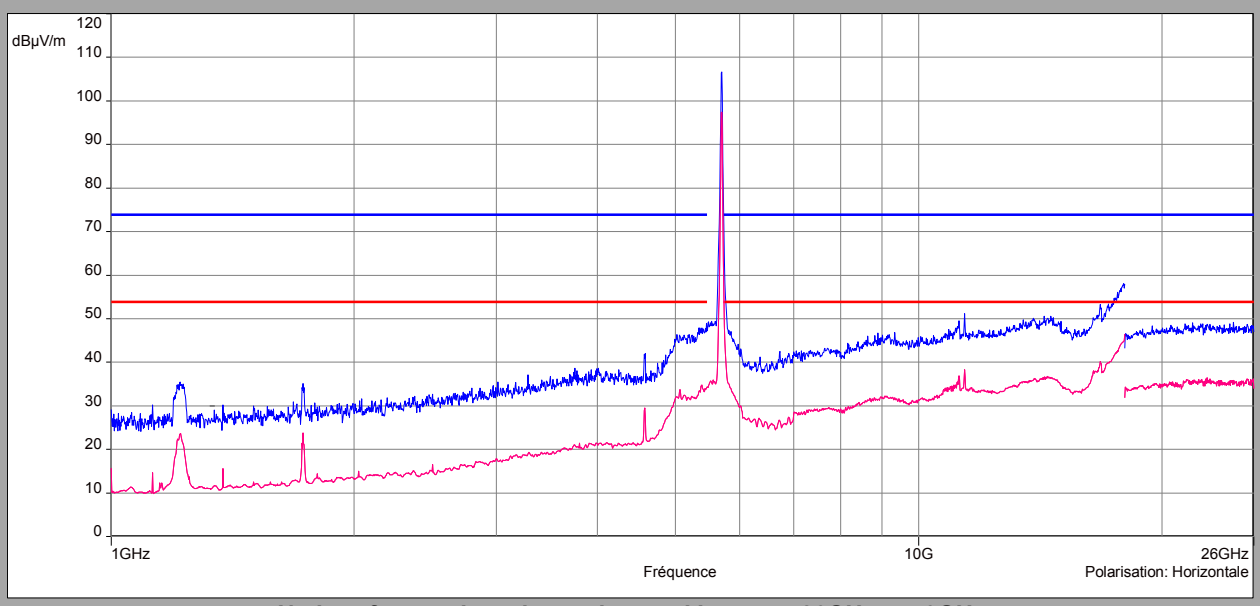
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C9
Vertical Polarization



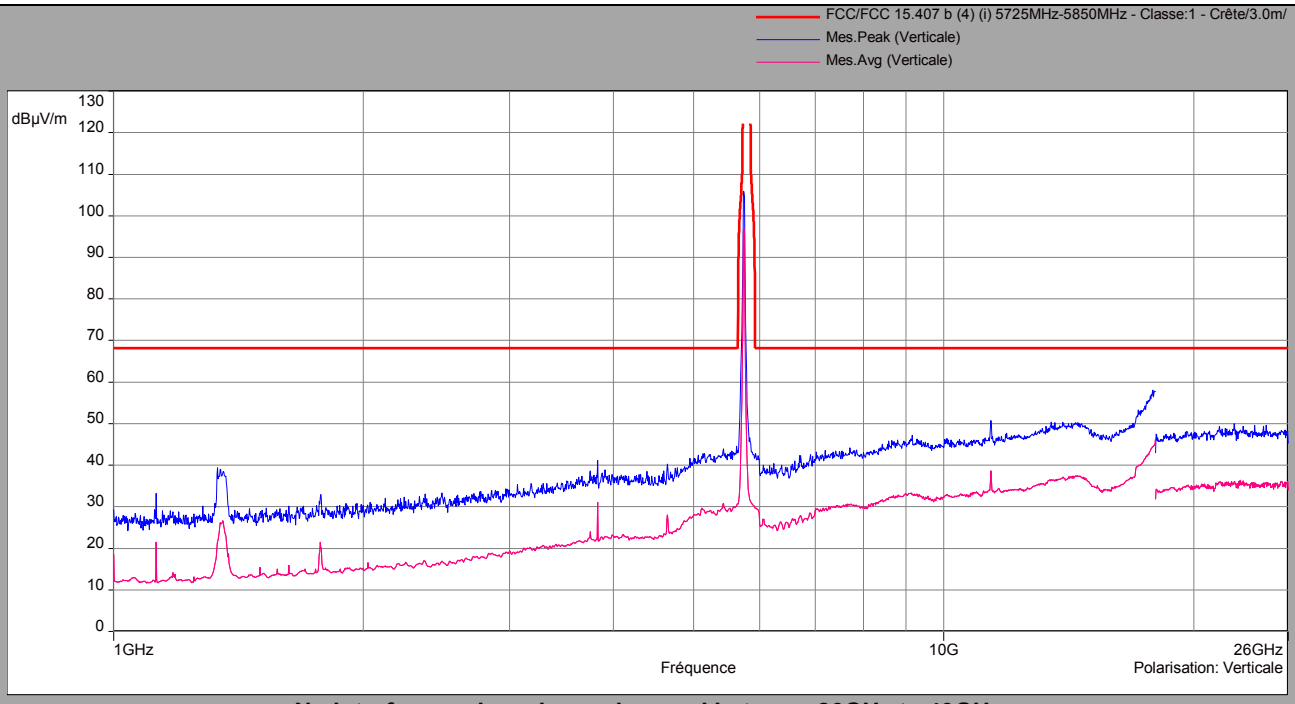
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



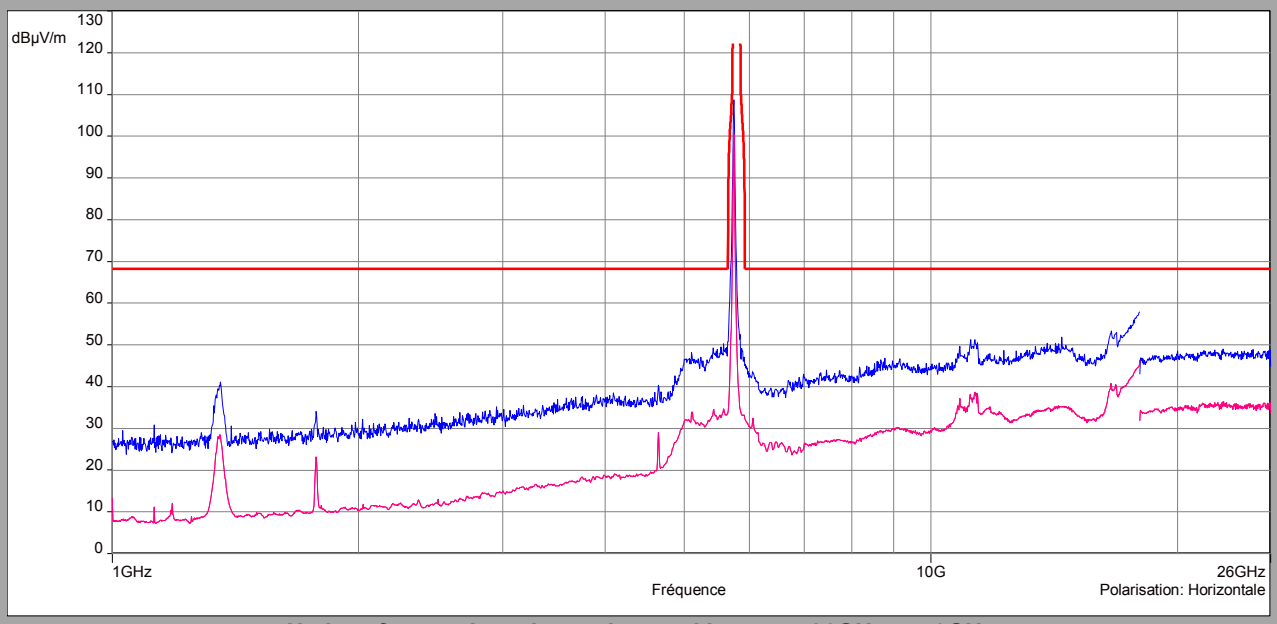
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C11
Vertical Polarization



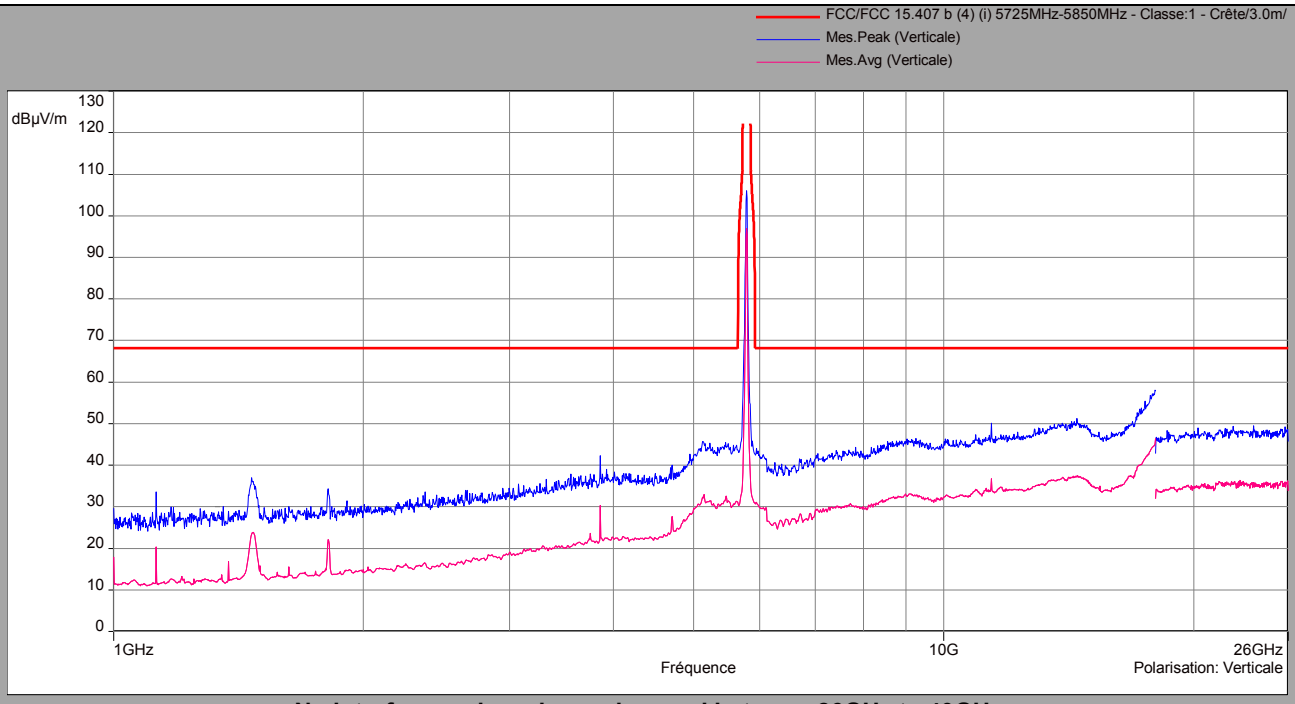
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



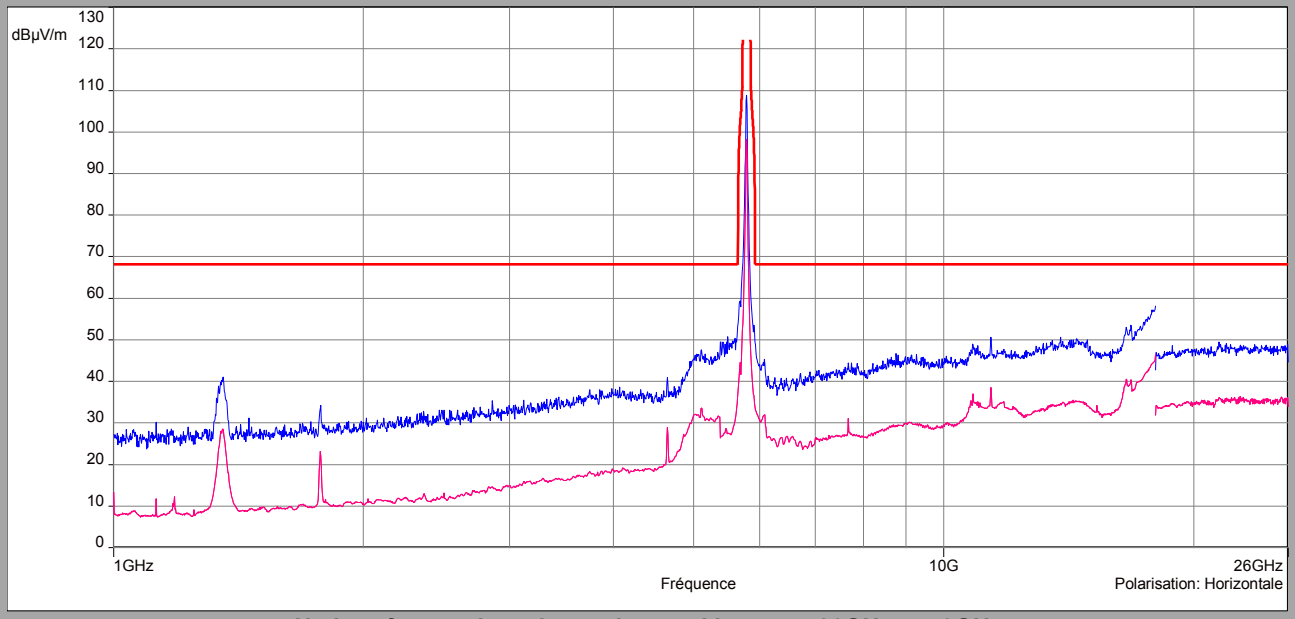
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C12
Vertical Polarization



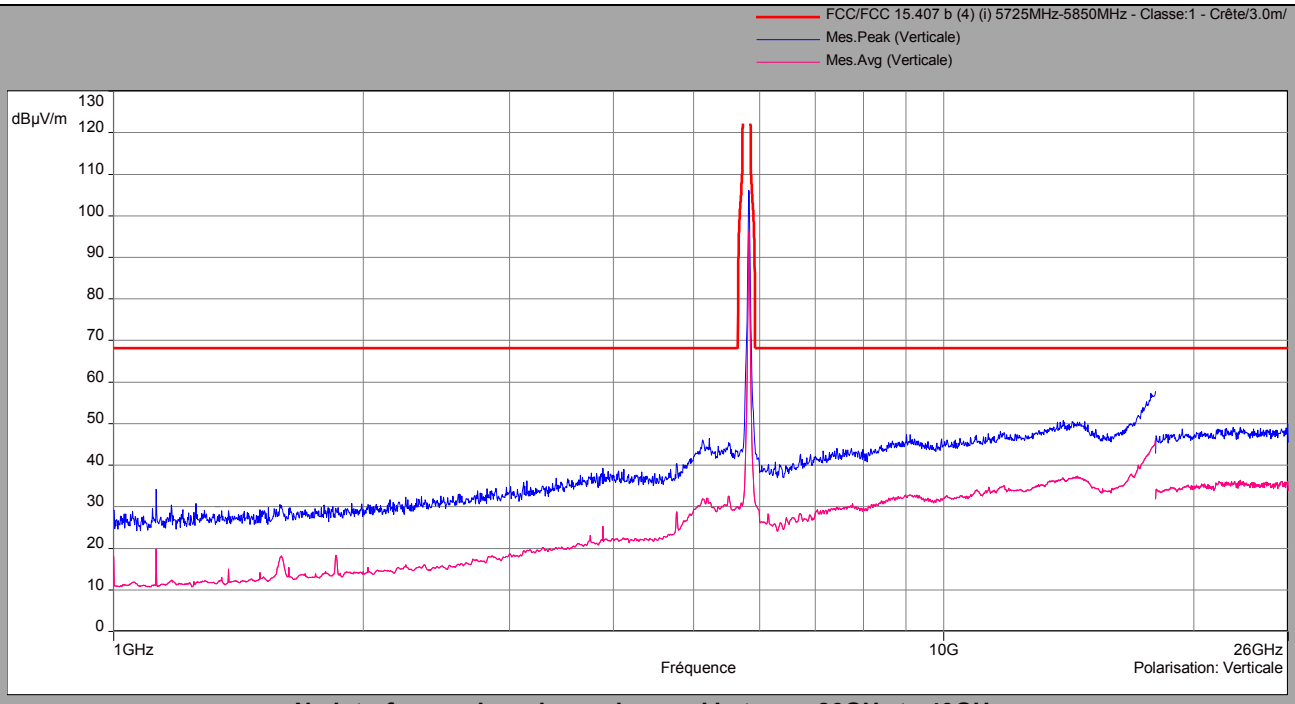
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



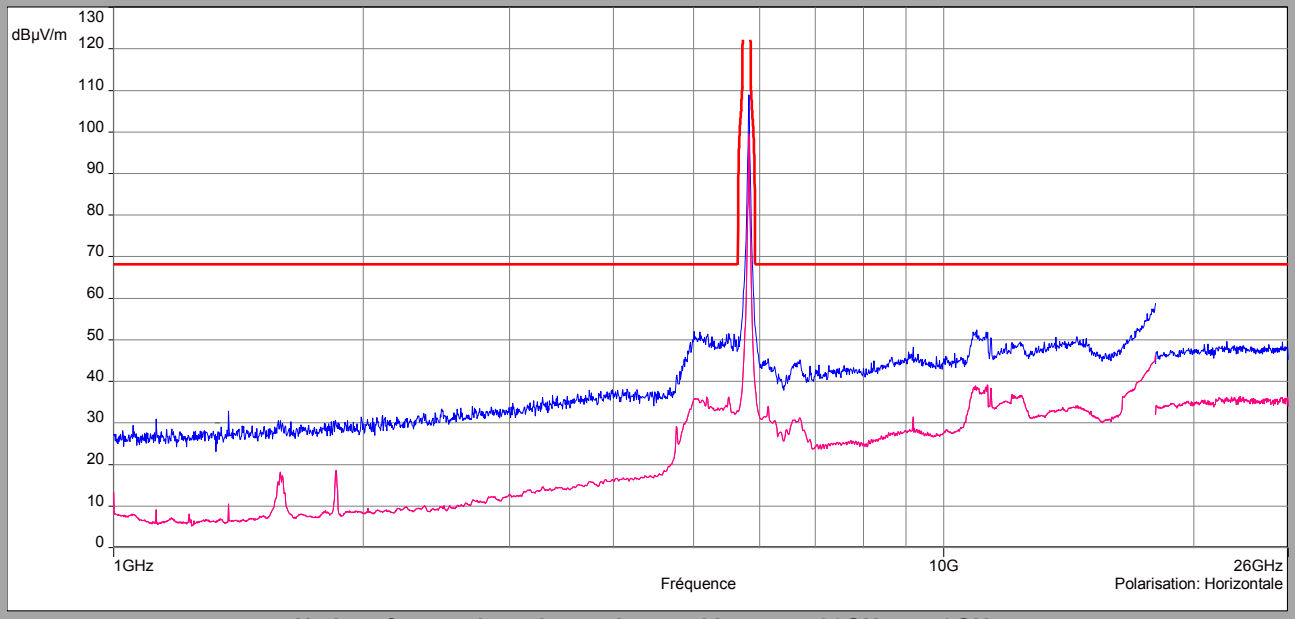
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11a
C13
Vertical Polarization



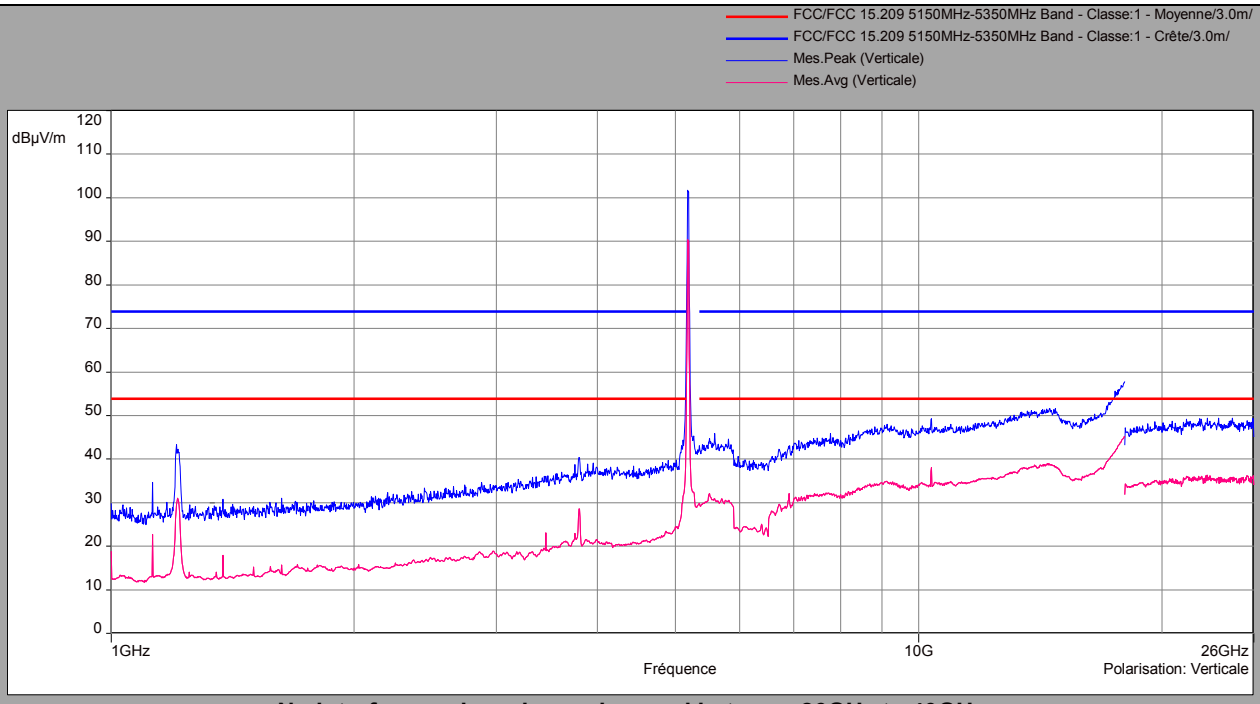
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



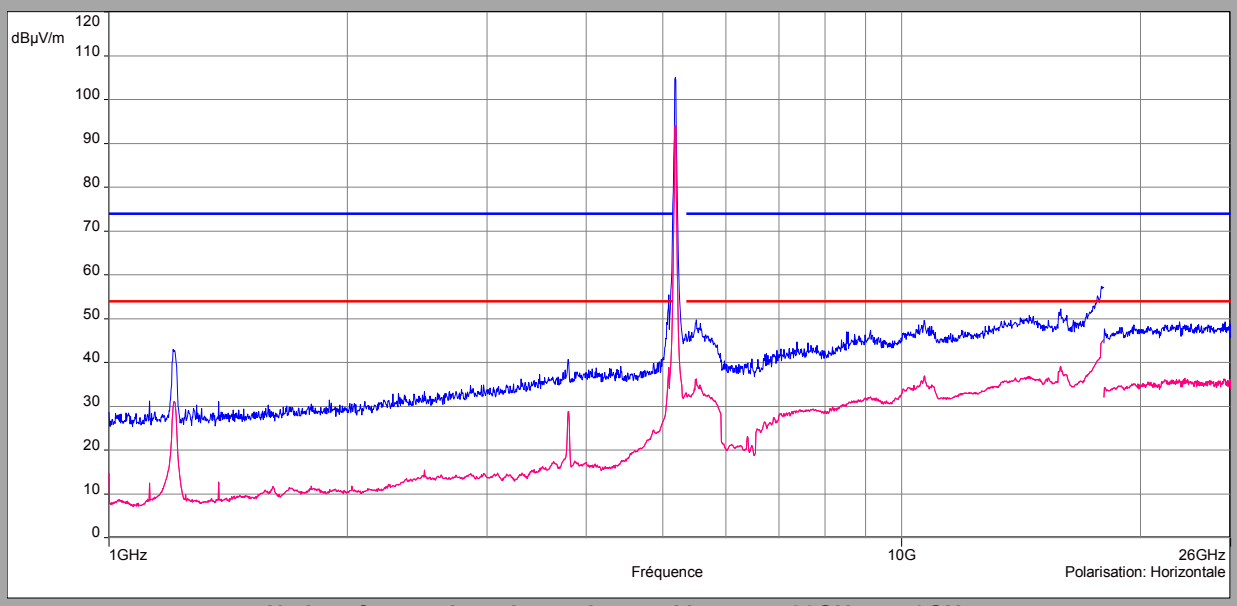
No interference have been observed between 26GHz to 40GHz

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



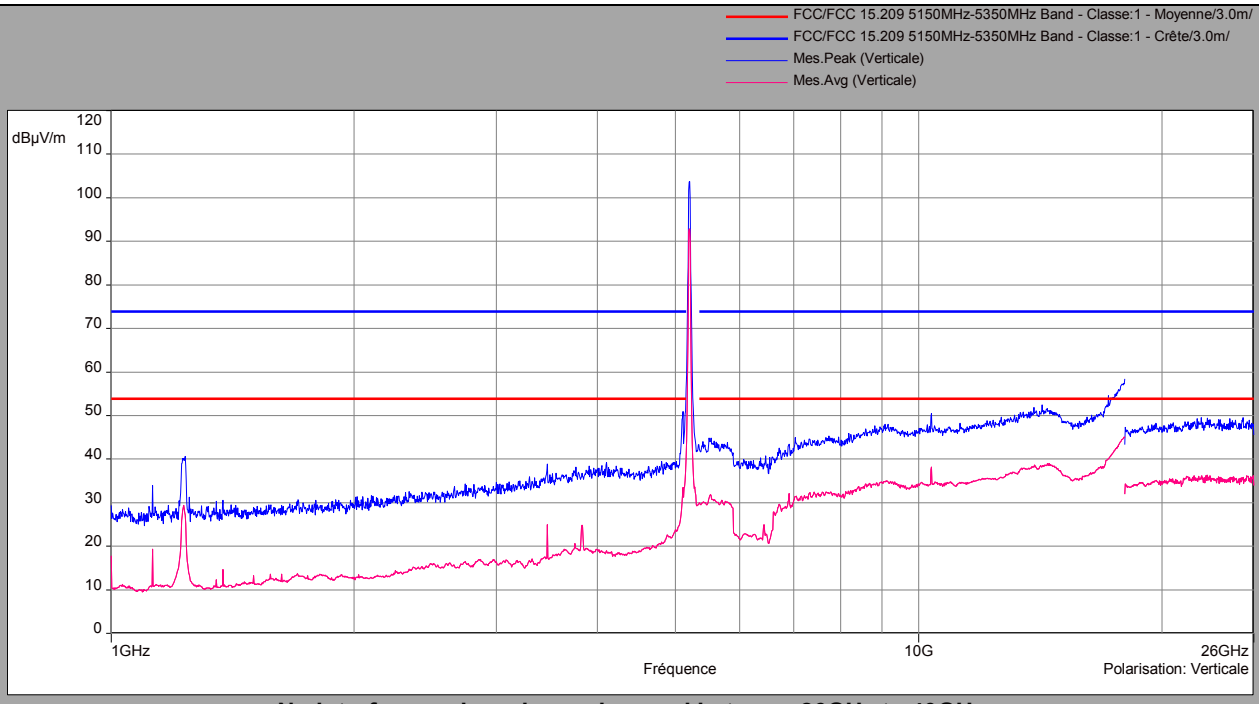
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



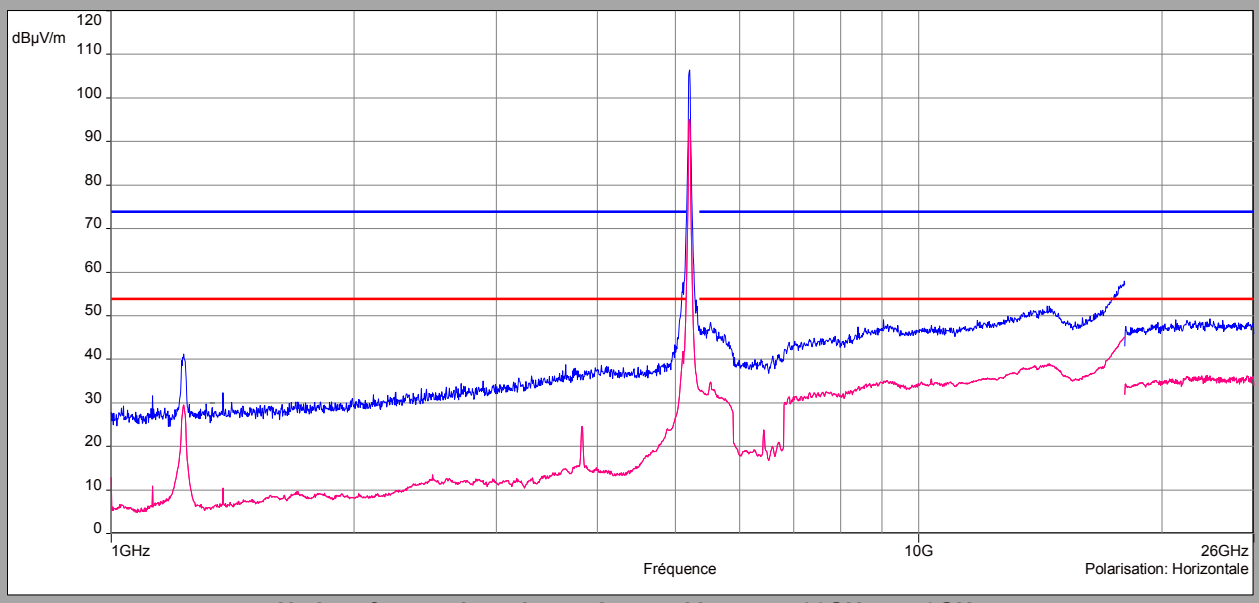
No interference have been observed between 26GHz to 40GHz

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



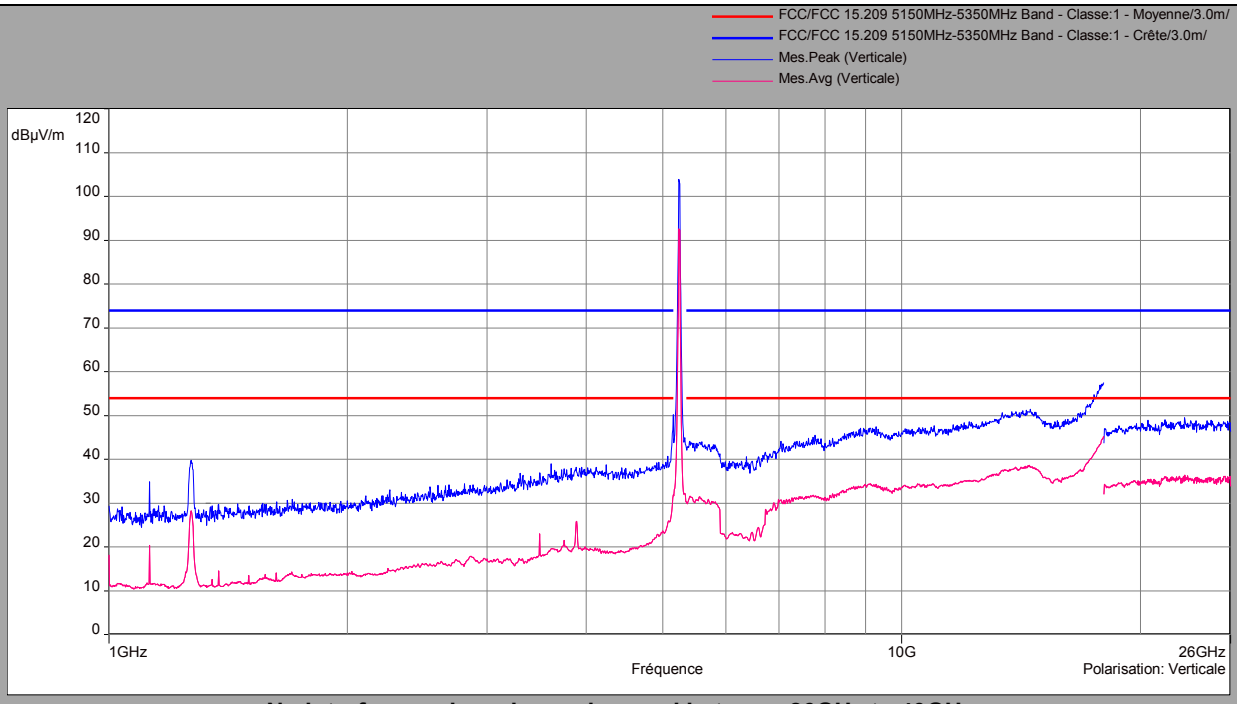
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



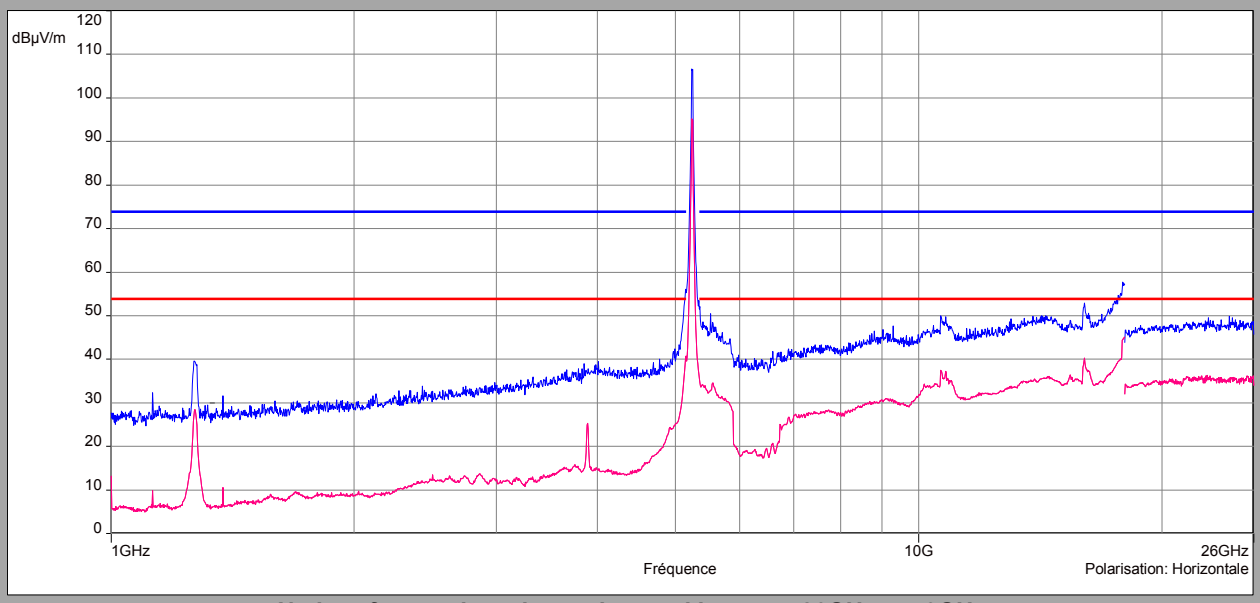
No interference have been observed between 26GHz to 40GHz

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



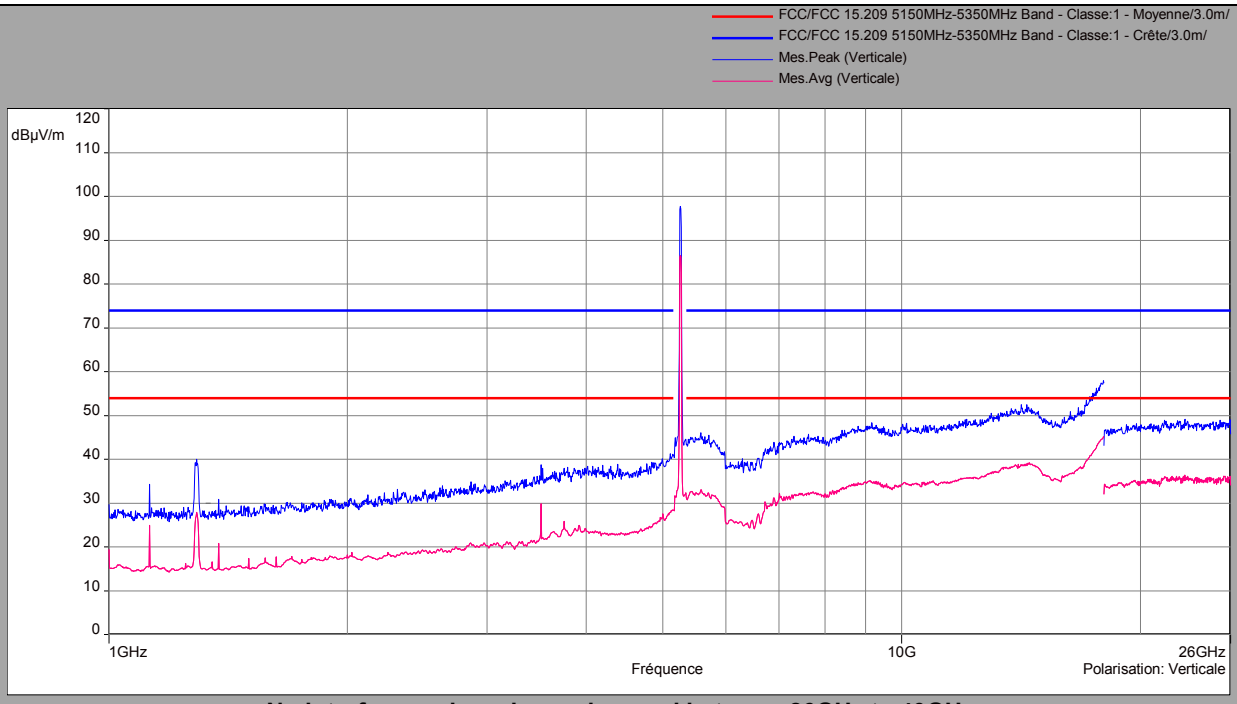
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



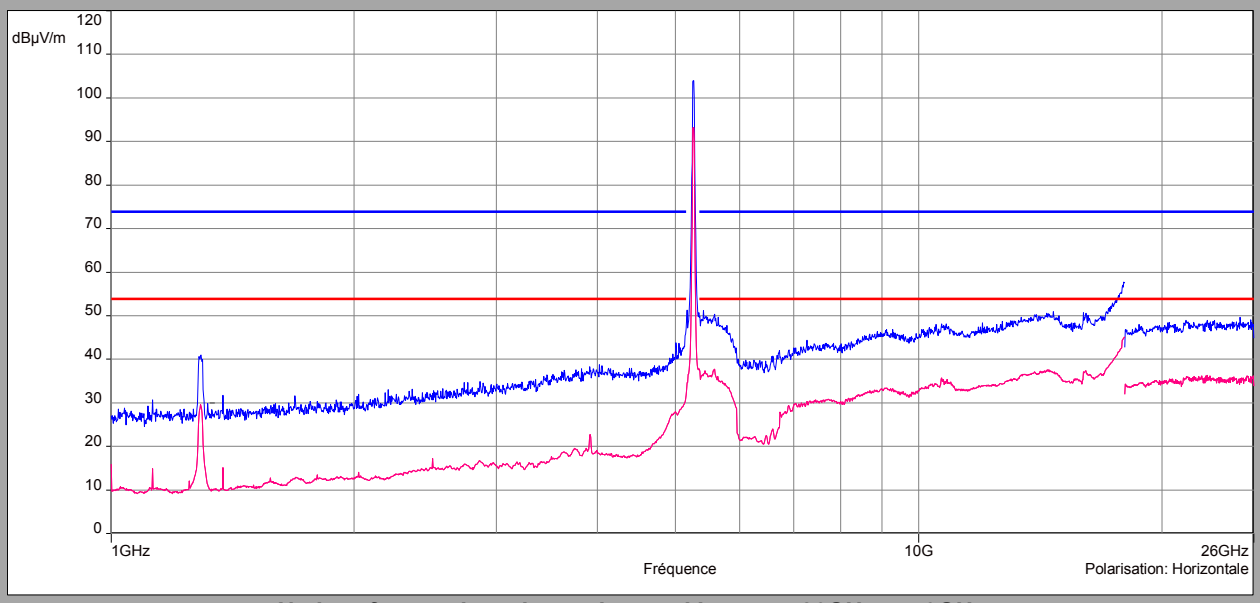
No interference have been observed between 26GHz to 40GHz

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



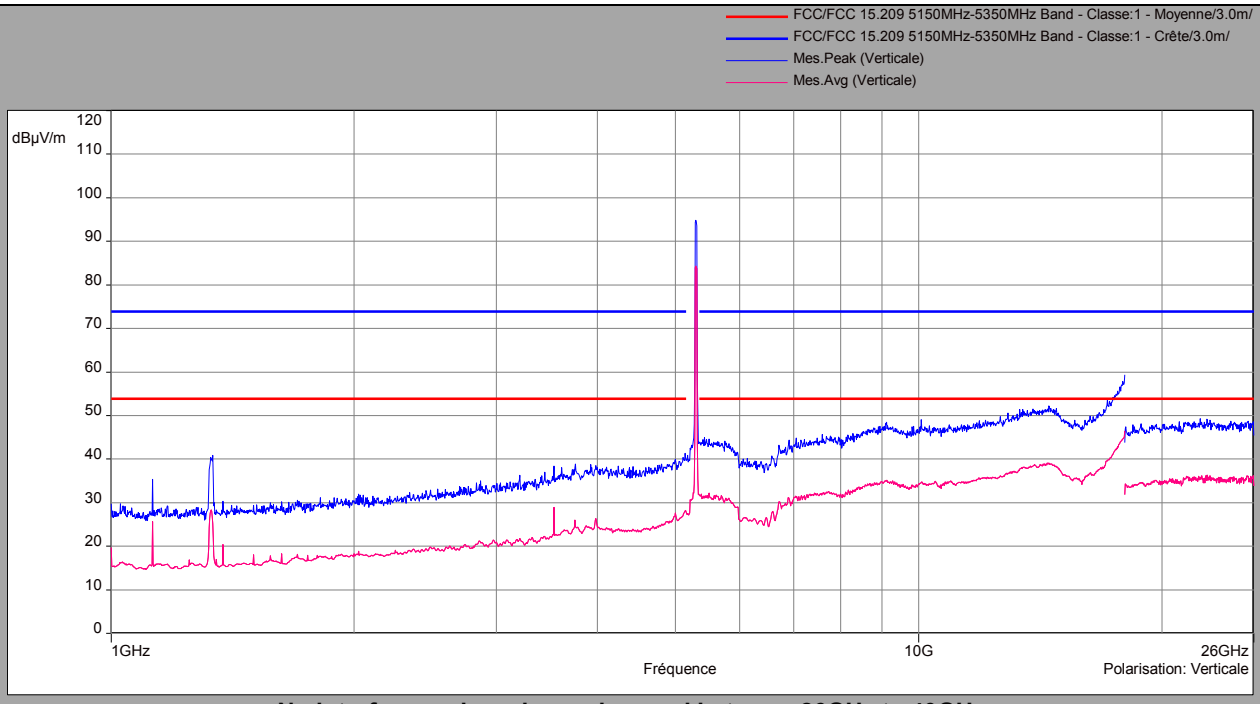
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



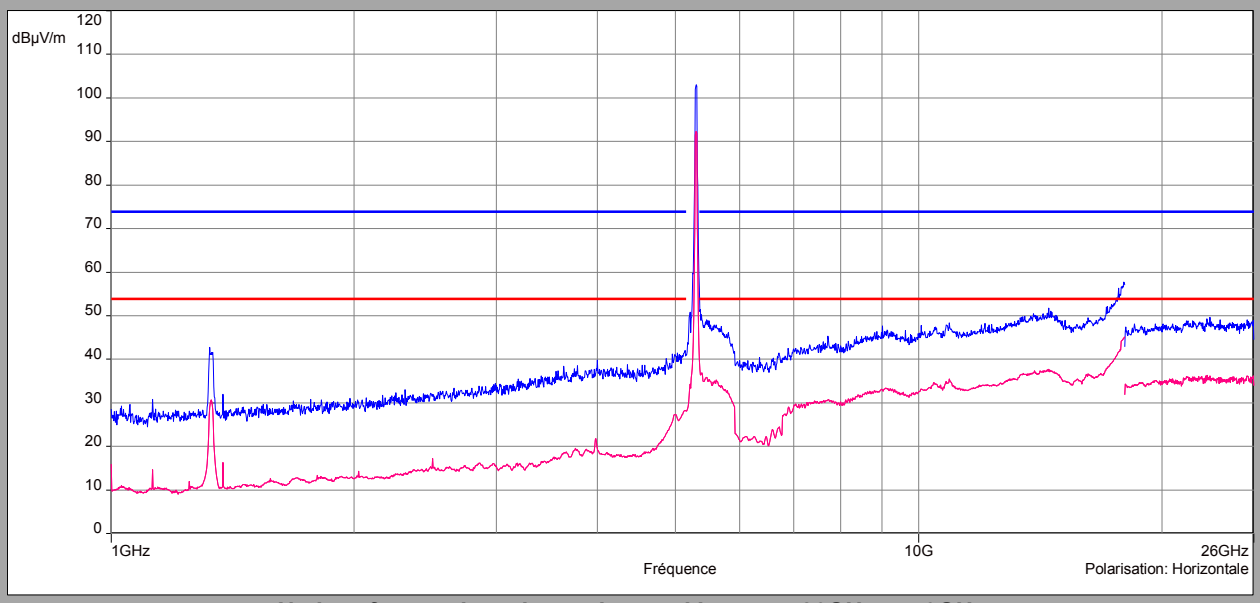
No interference have been observed between 26GHz to 40GHz

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



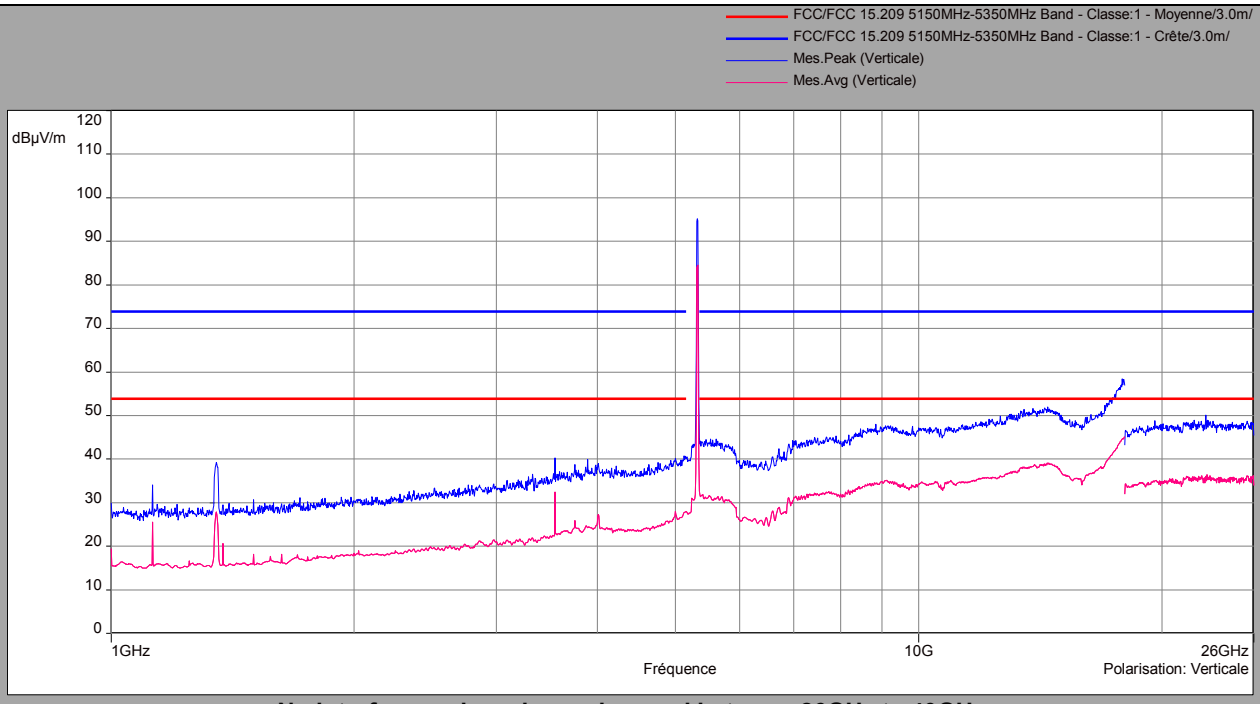
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



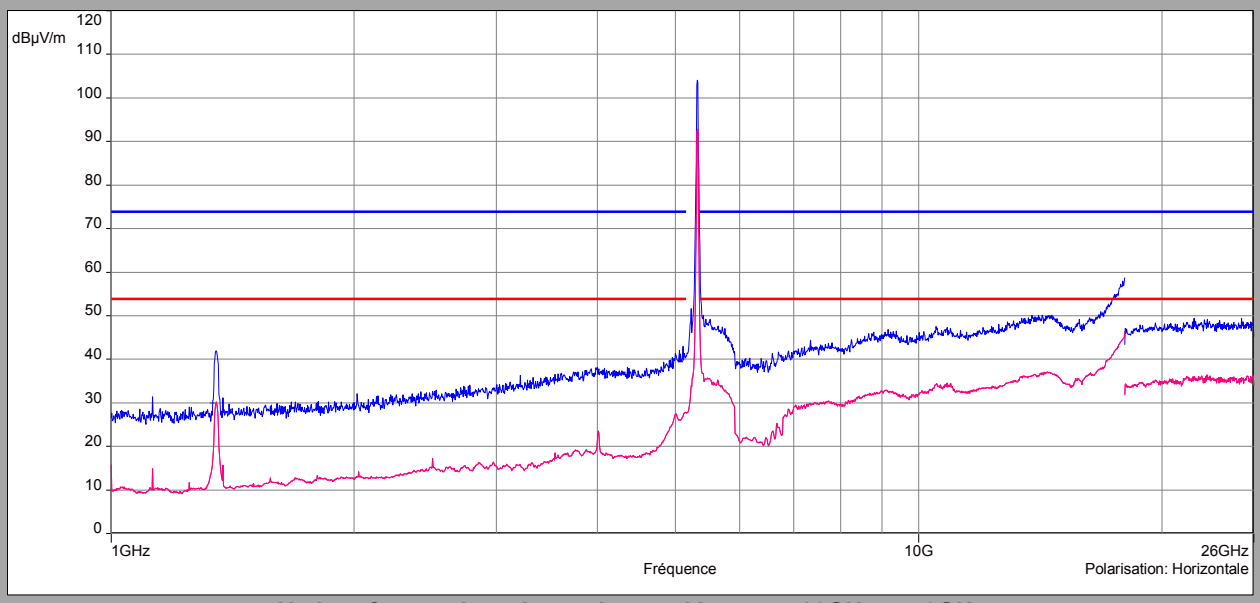
No interference have been observed between 26GHz to 40GHz

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



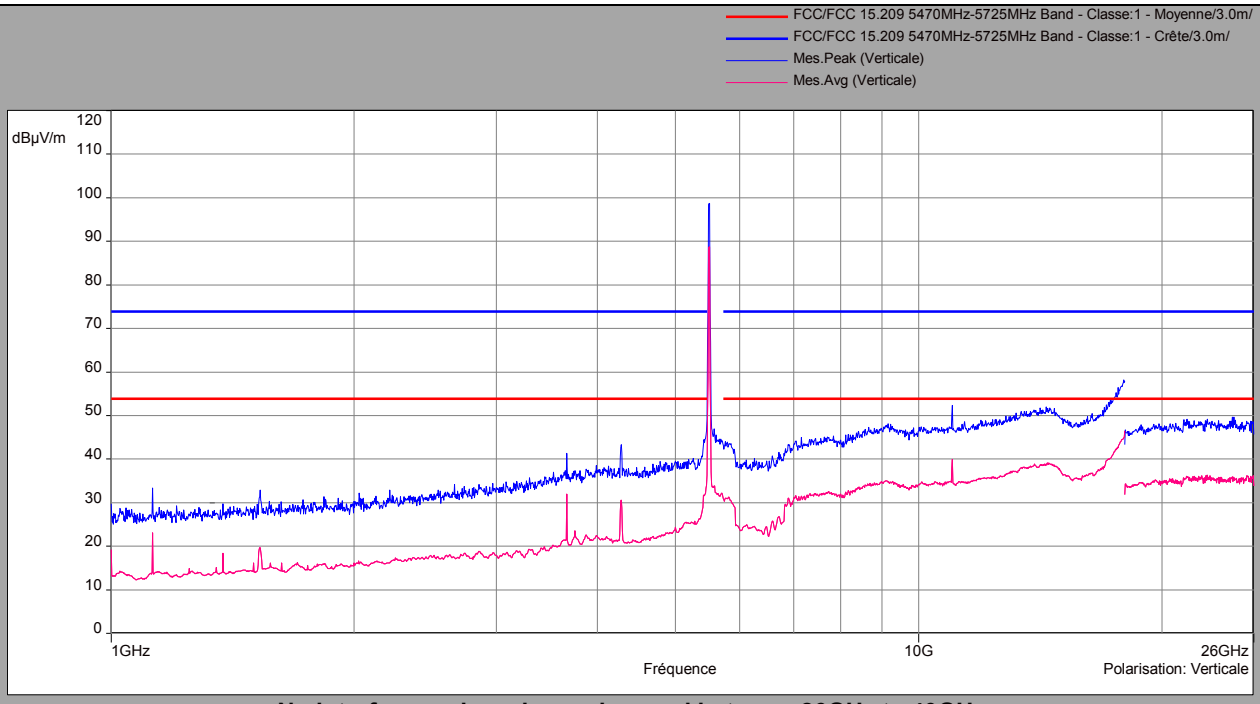
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



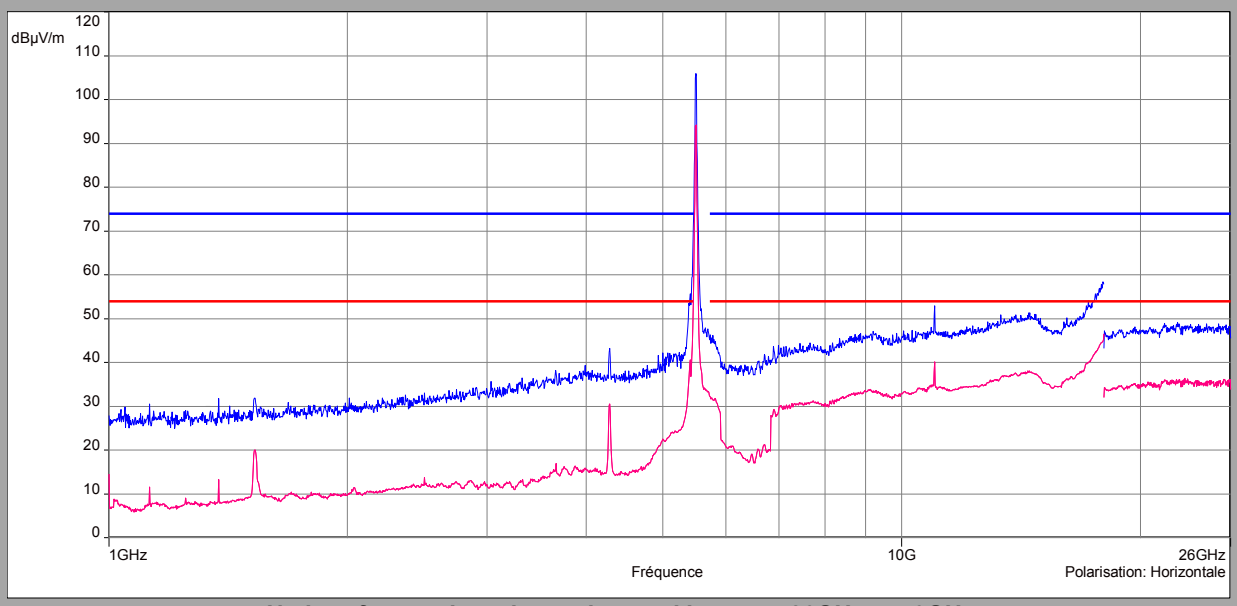
No interference have been observed between 26GHz to 40GHz

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



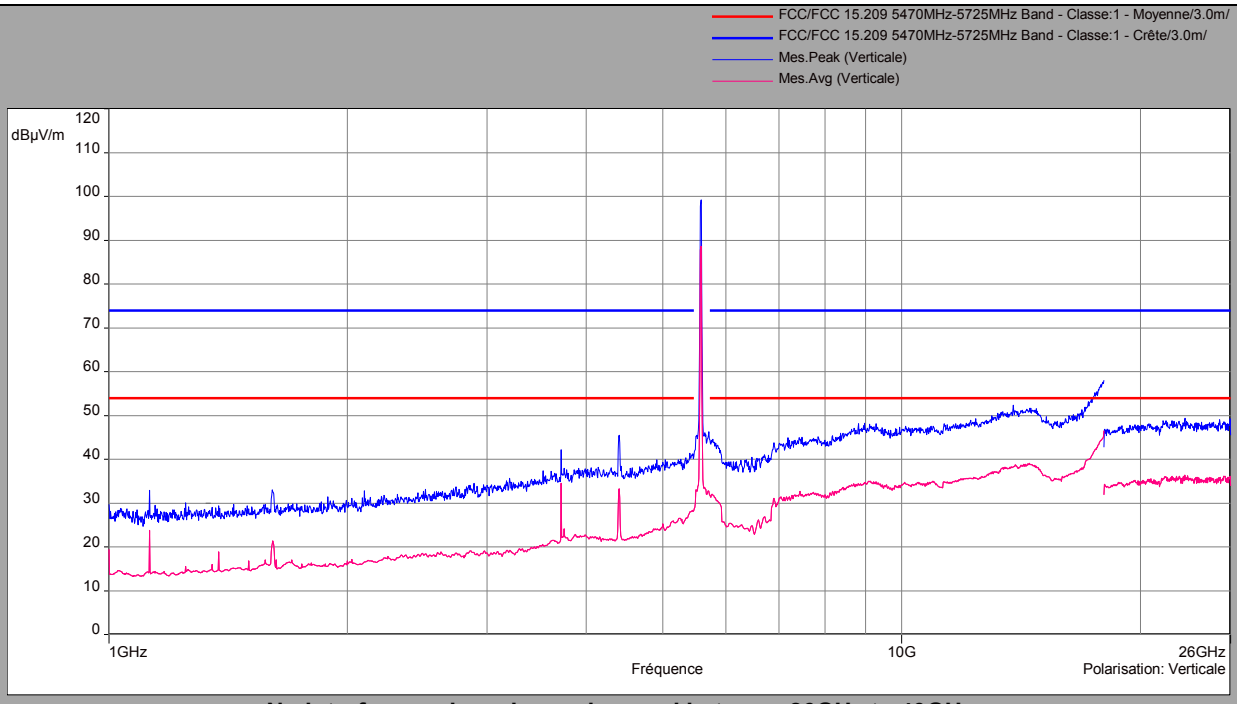
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



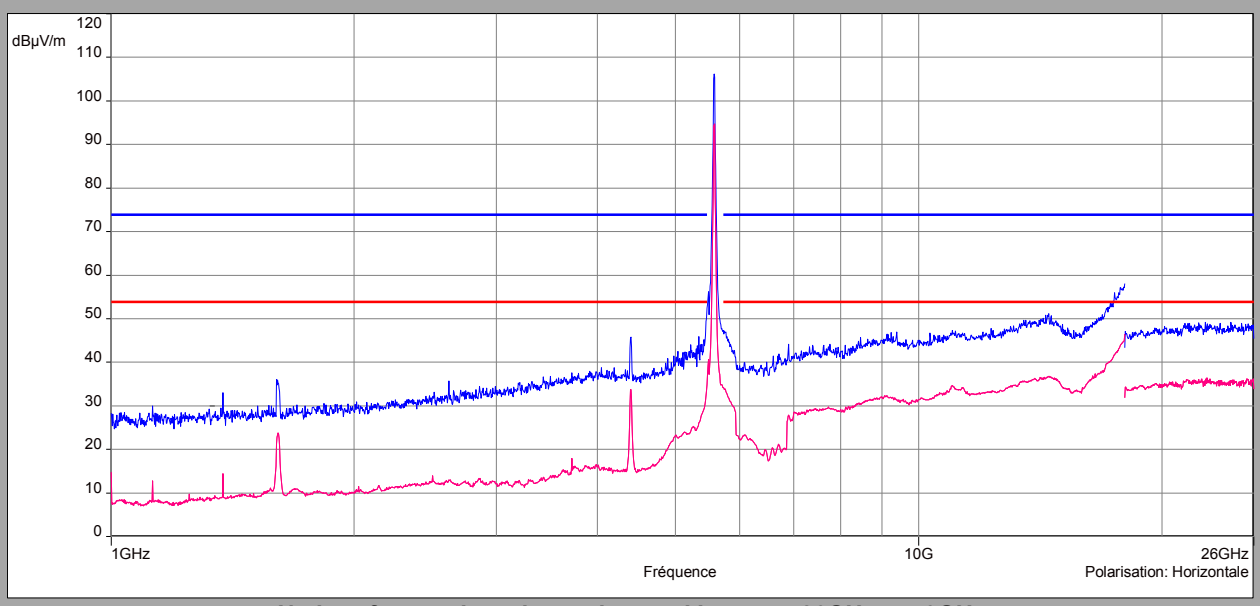
No interference have been observed between 26GHz to 40GHz

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



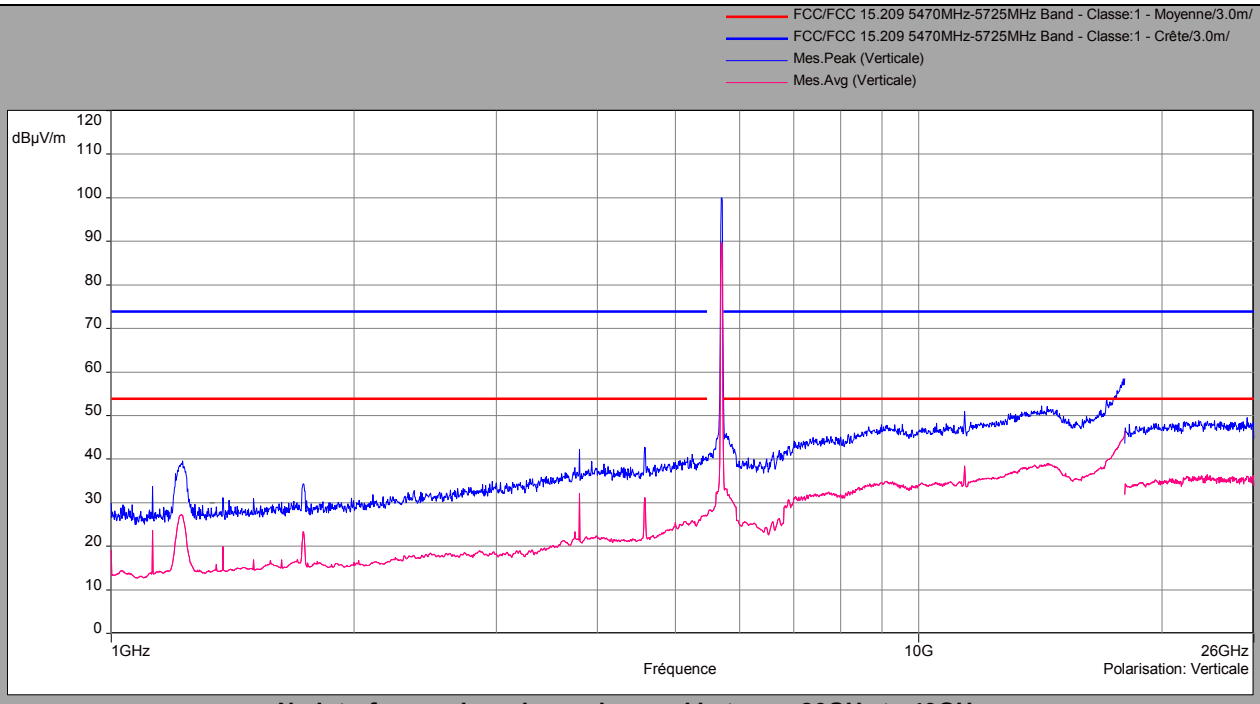
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



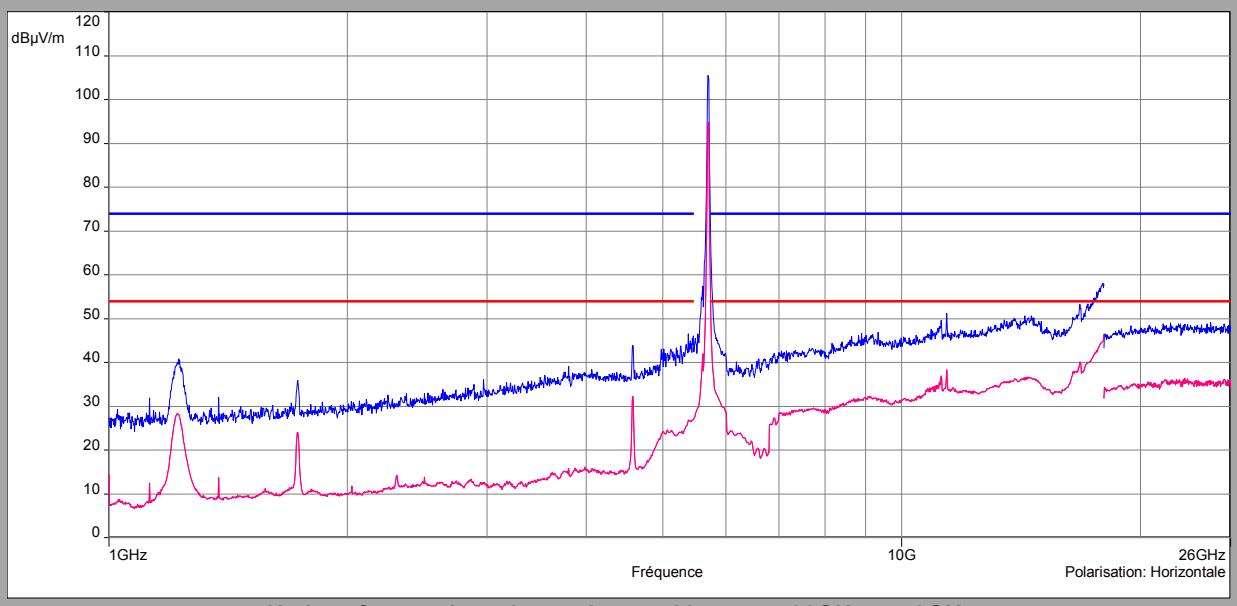
No interference have been observed between 26GHz to 40GHz

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



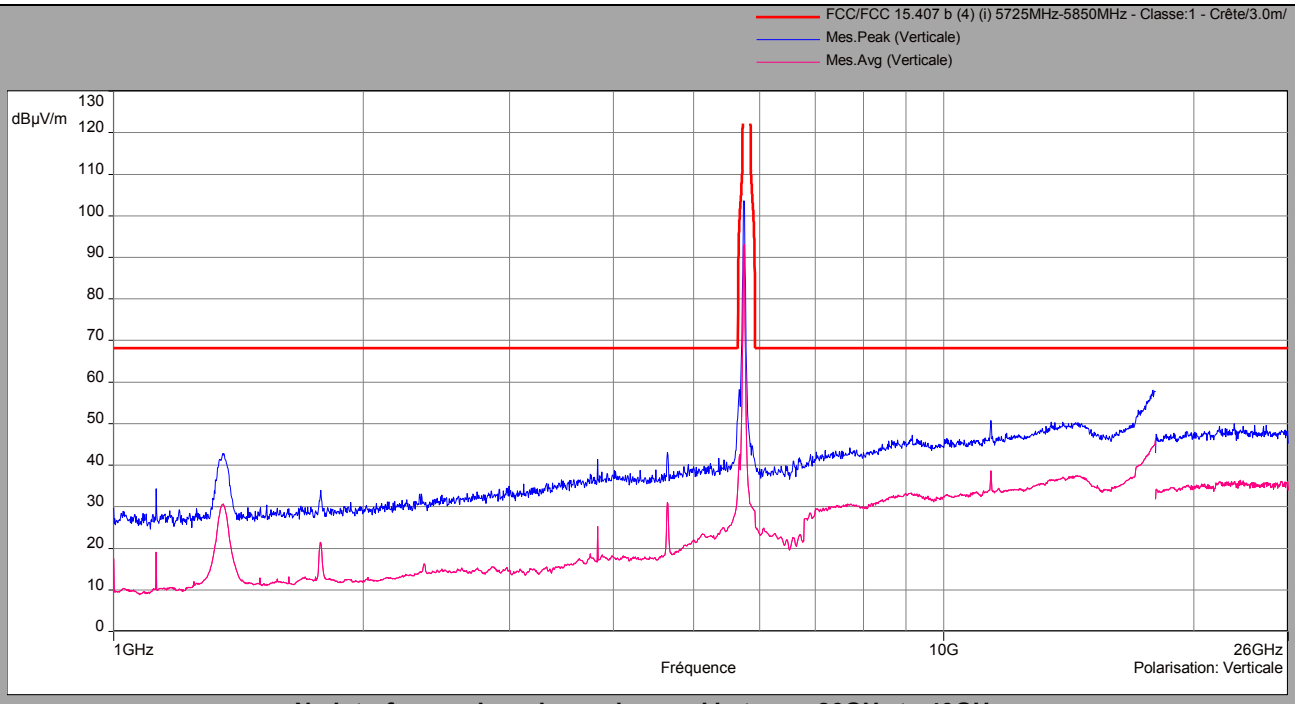
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



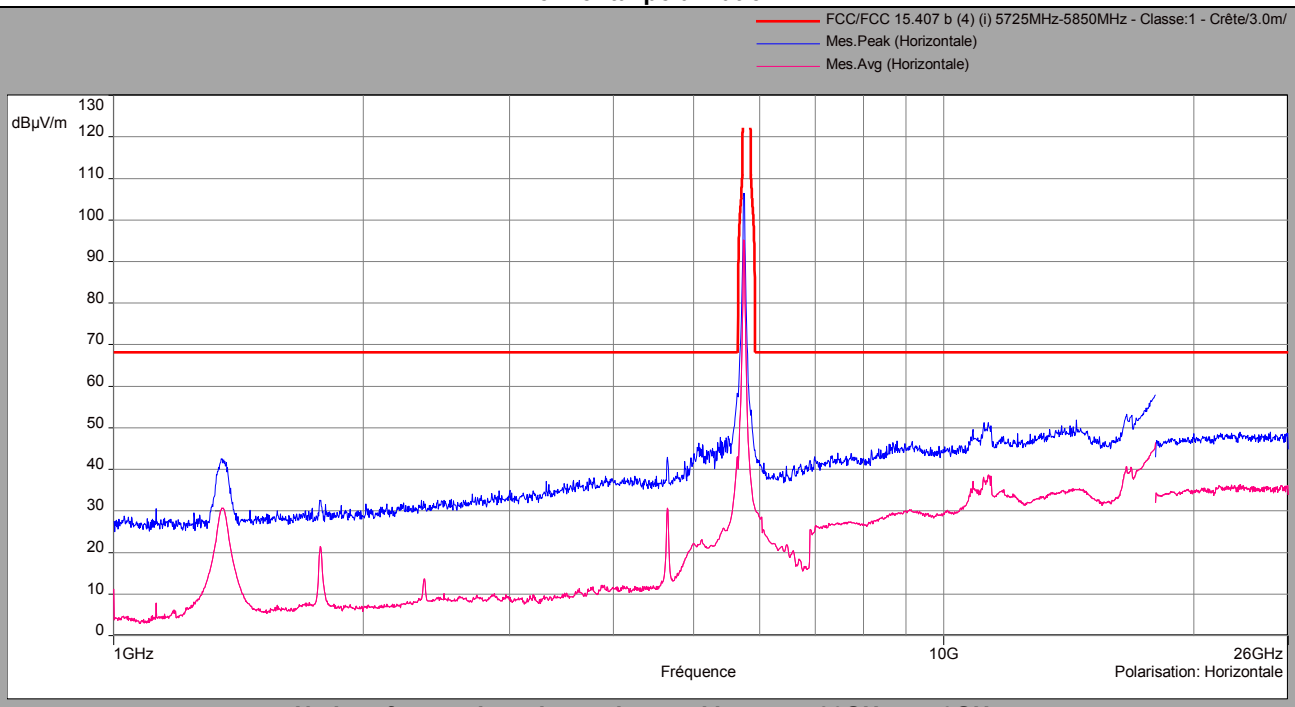
No interference have been observed between 26GHz to 40GHz

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



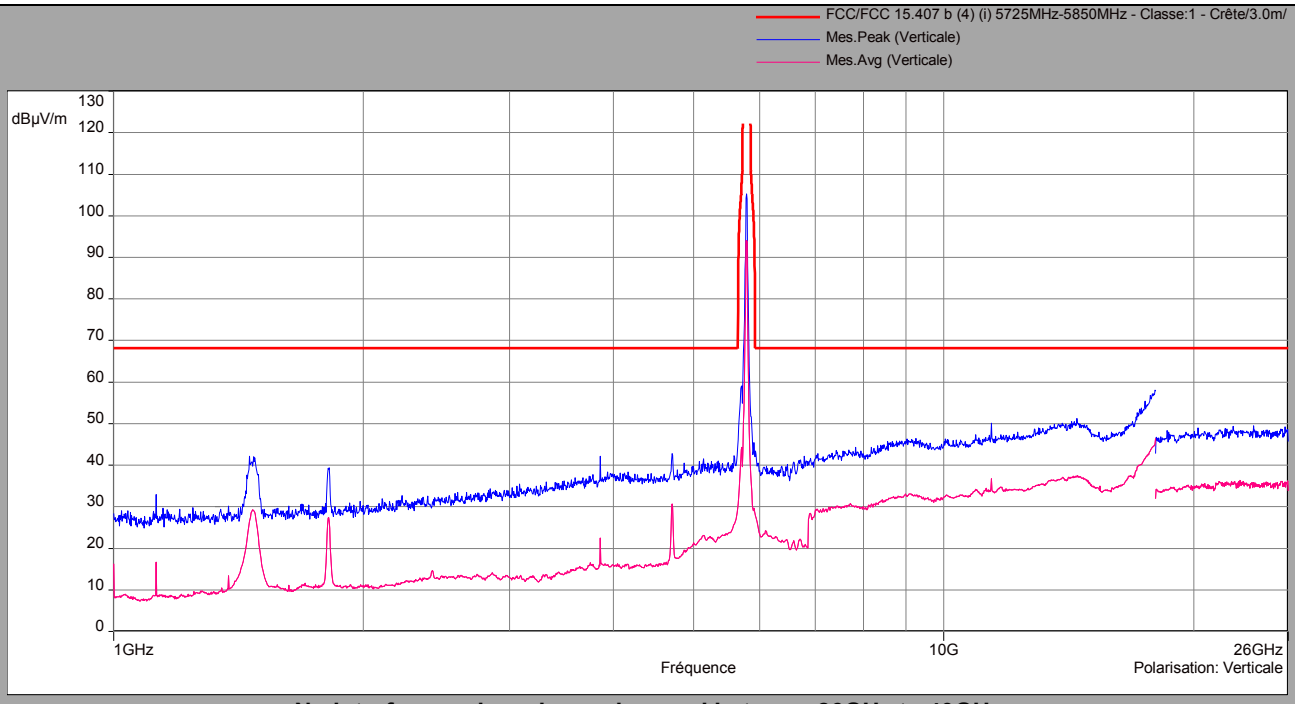
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



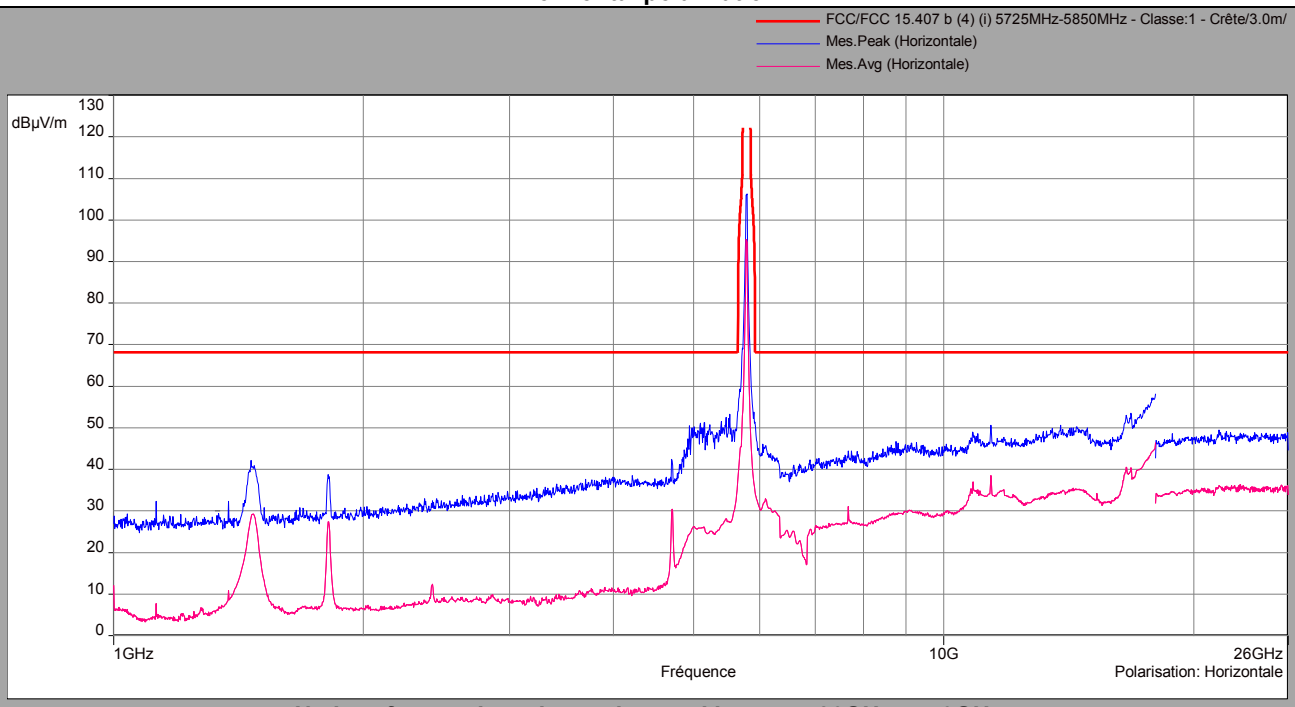
No interference have been observed between 26GHz to 40GHz

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



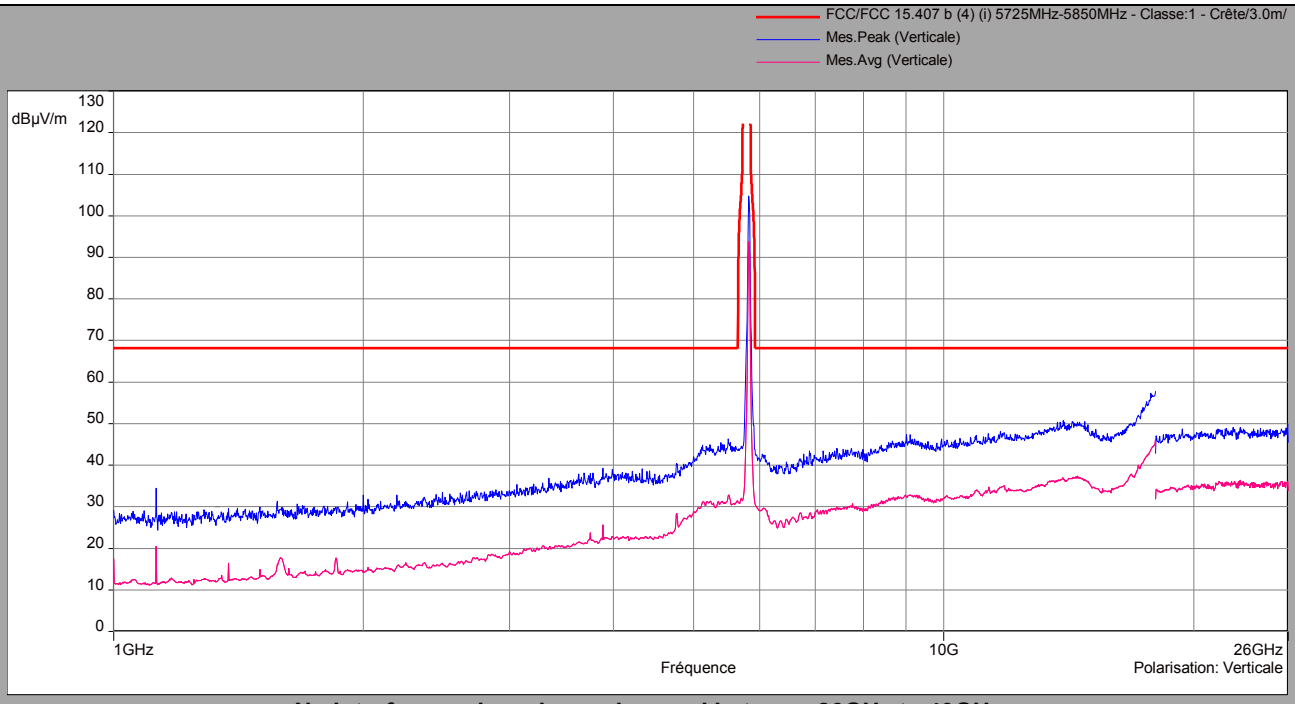
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



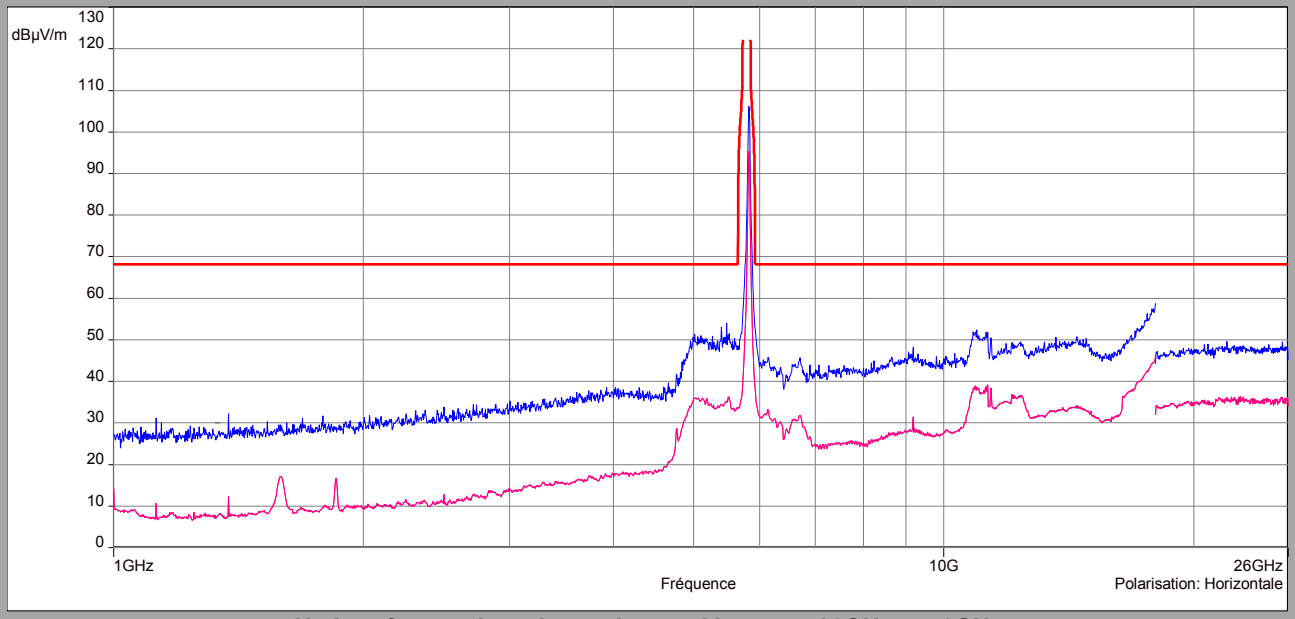
No interference have been observed between 26GHz to 40GHz

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



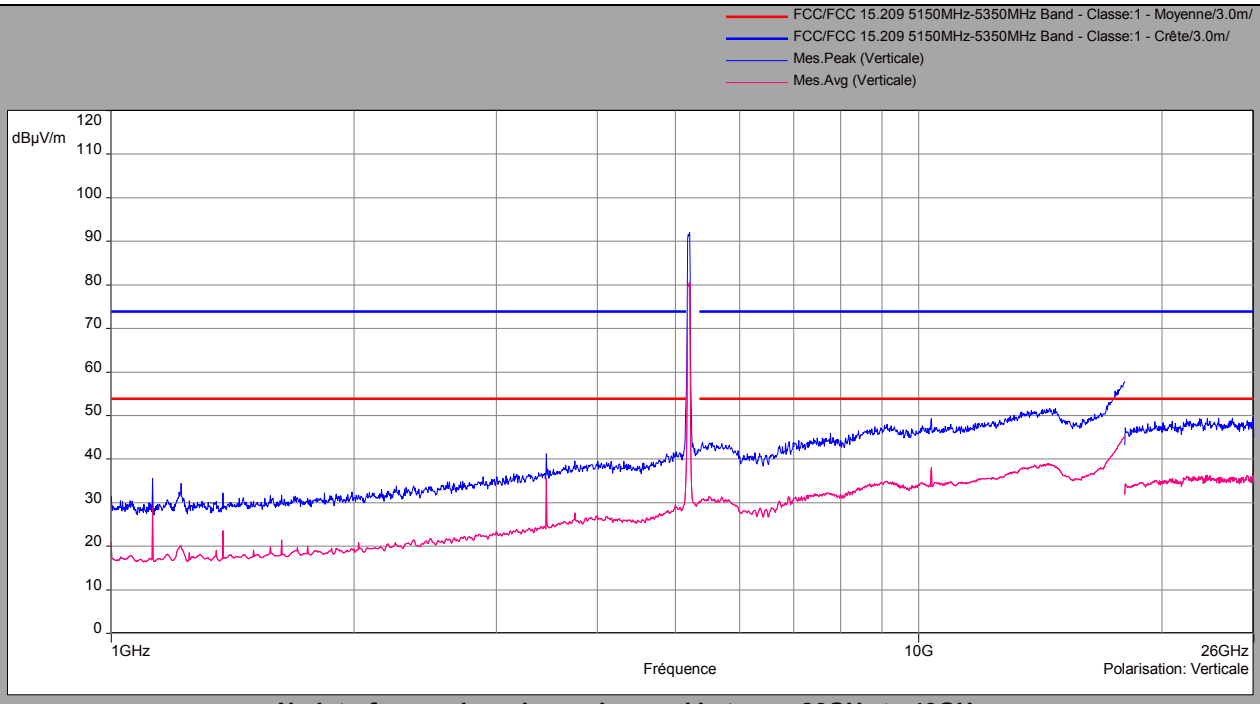
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



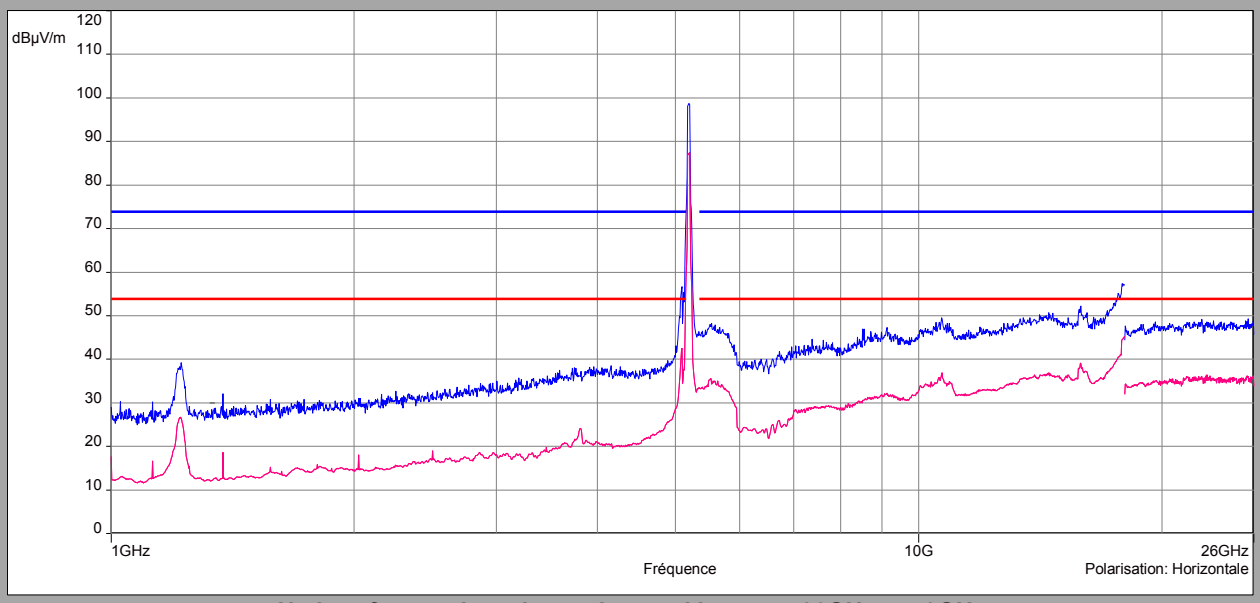
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C14
Vertical Polarization



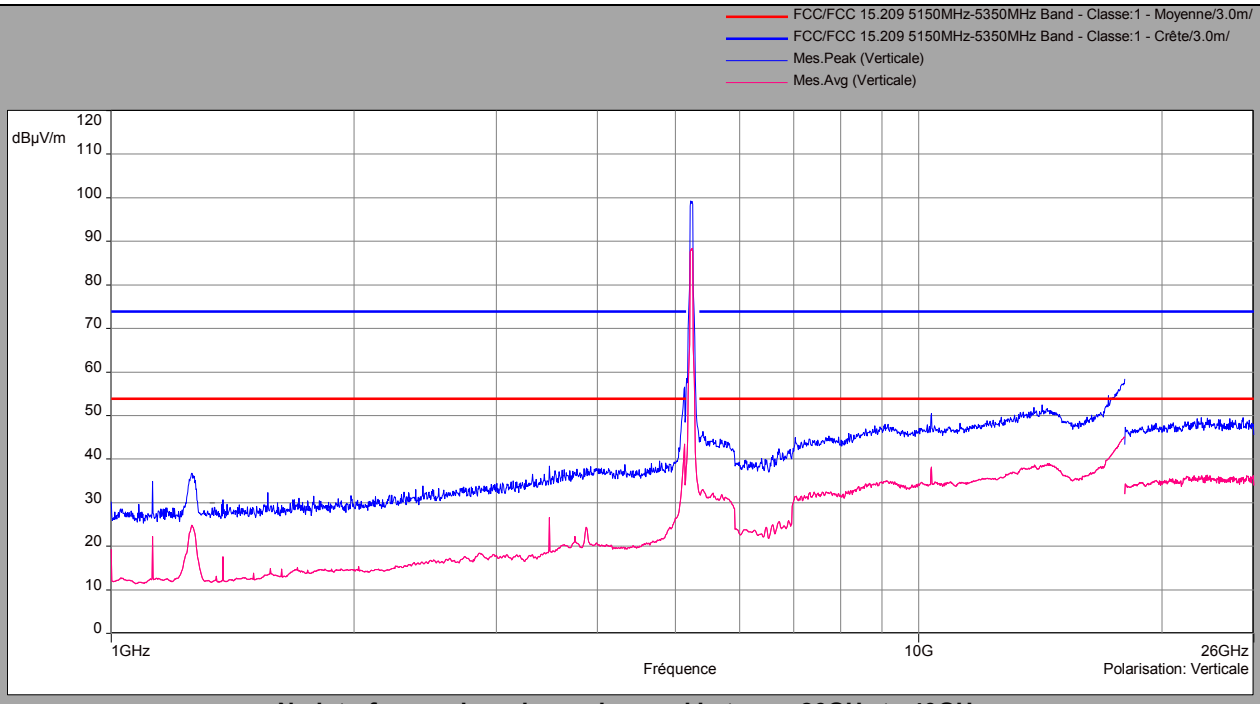
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



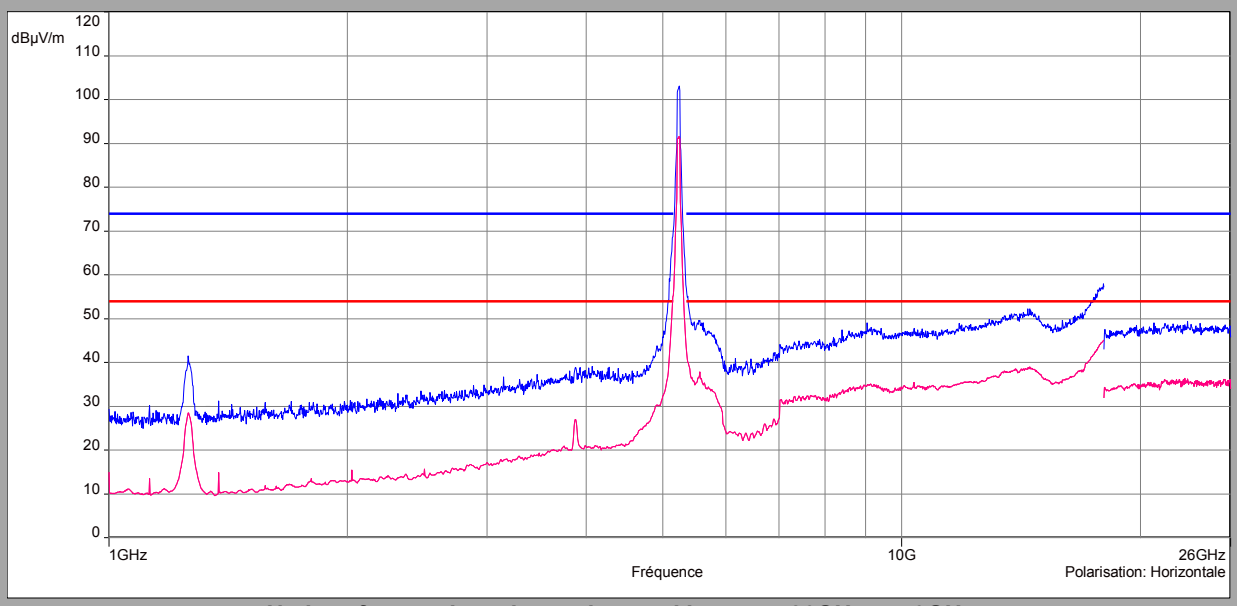
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C15
Vertical Polarization



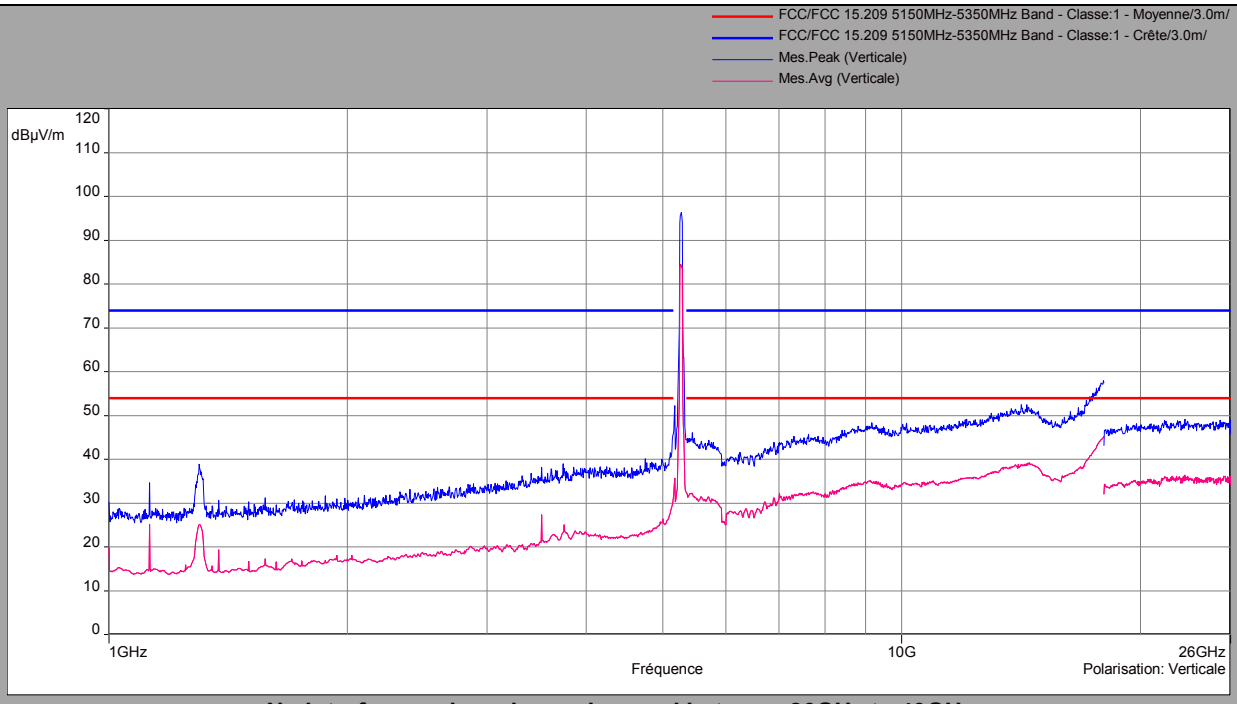
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



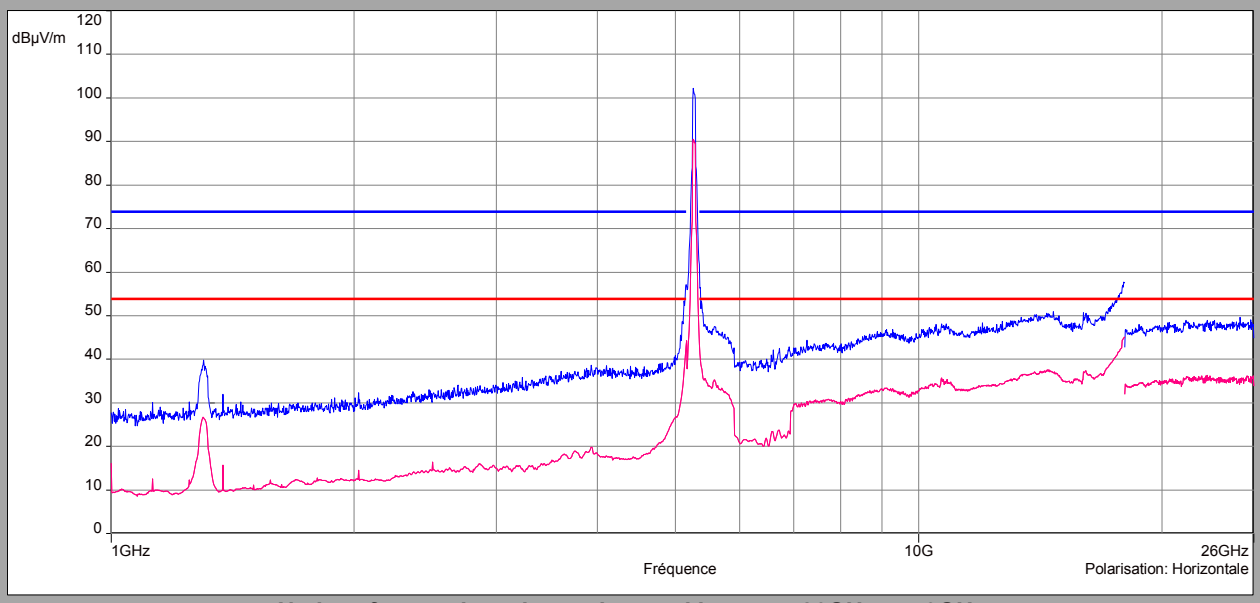
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C16
Vertical Polarization



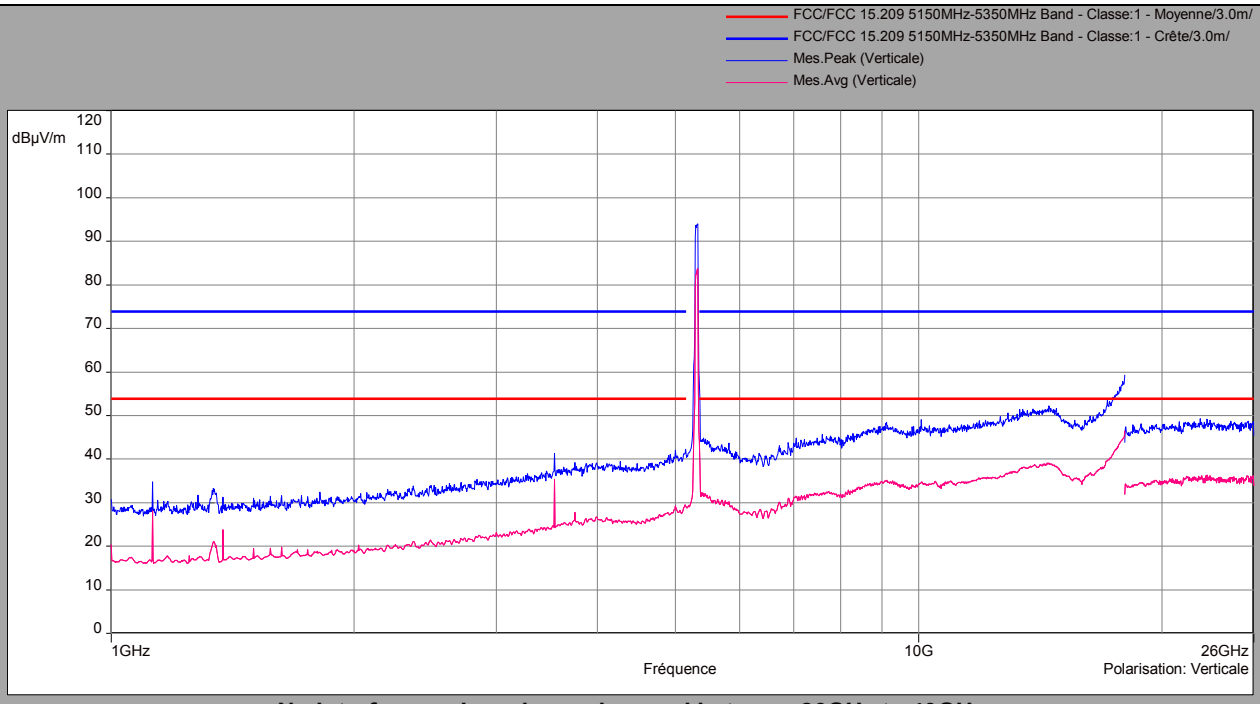
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



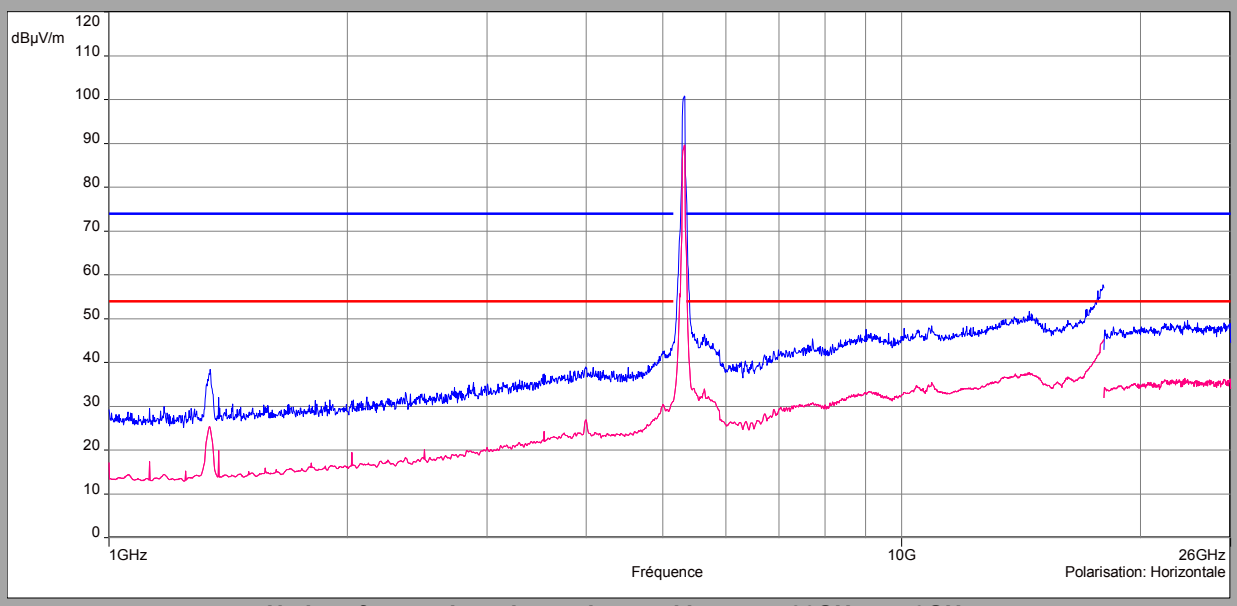
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C17
Vertical Polarization



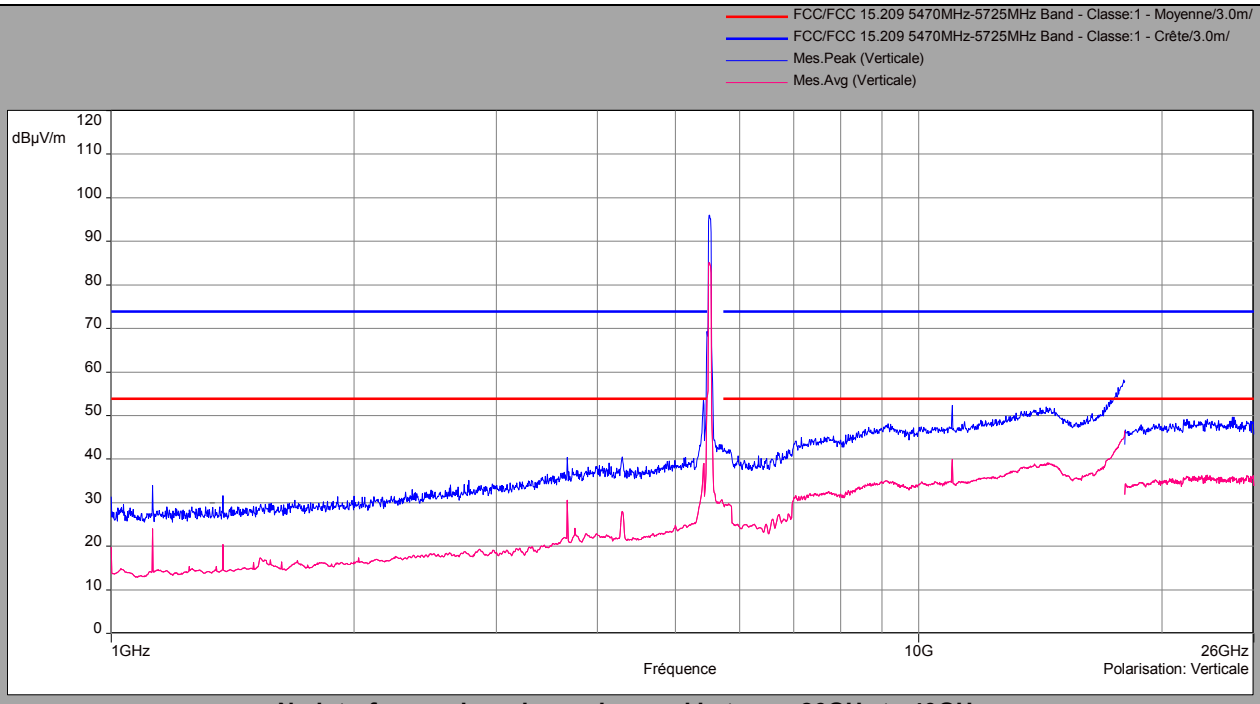
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



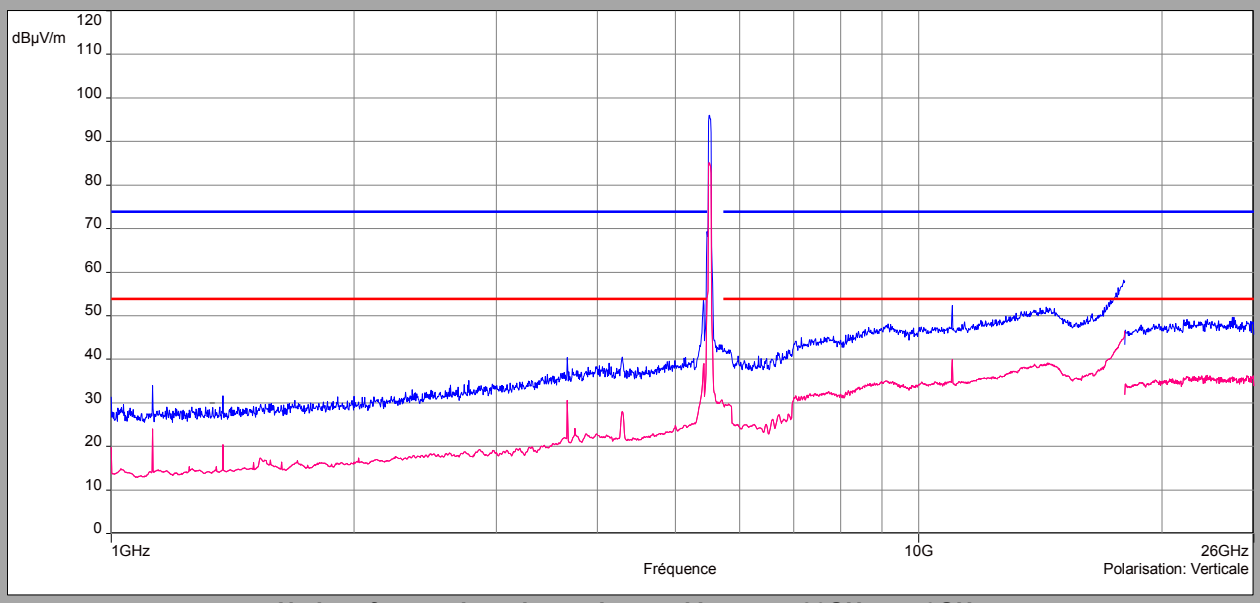
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C18
Vertical Polarization



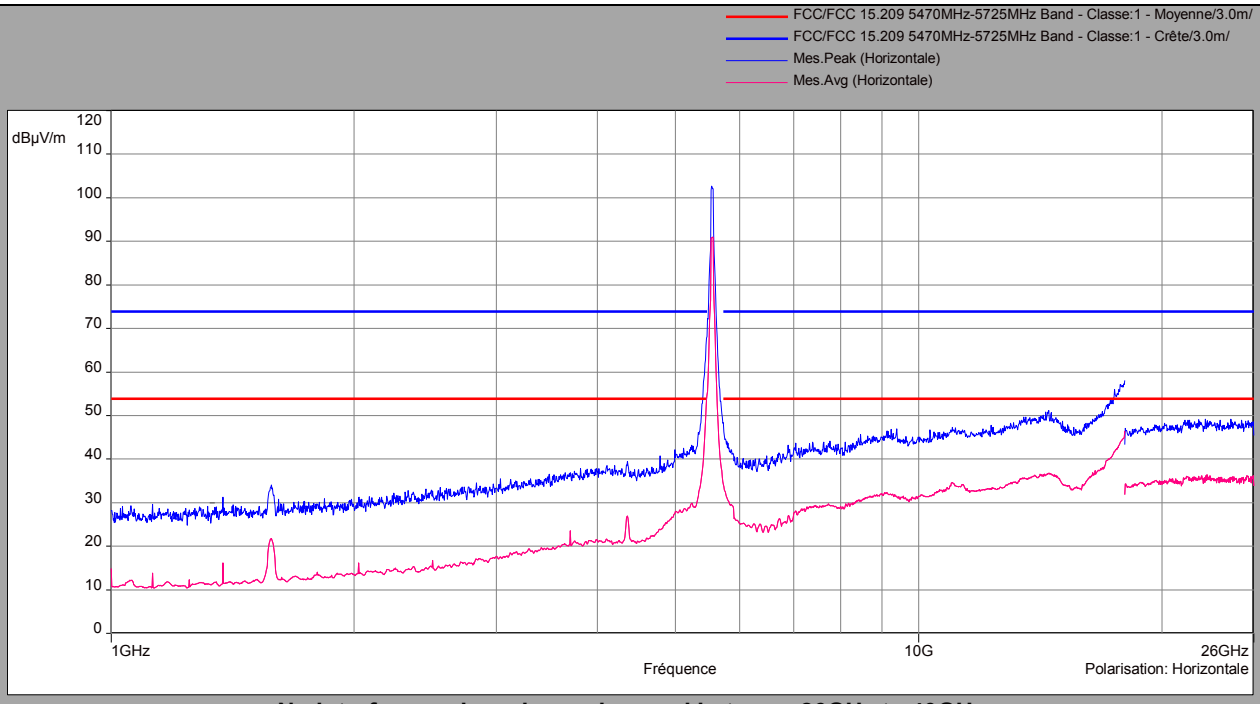
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



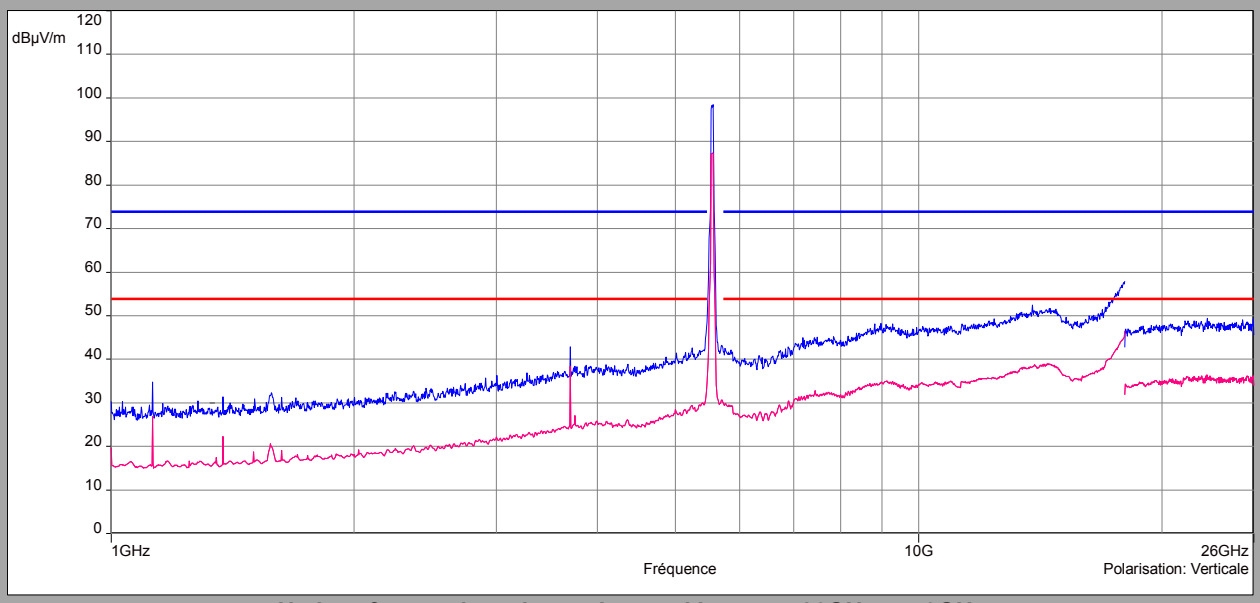
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C19
Vertical Polarization



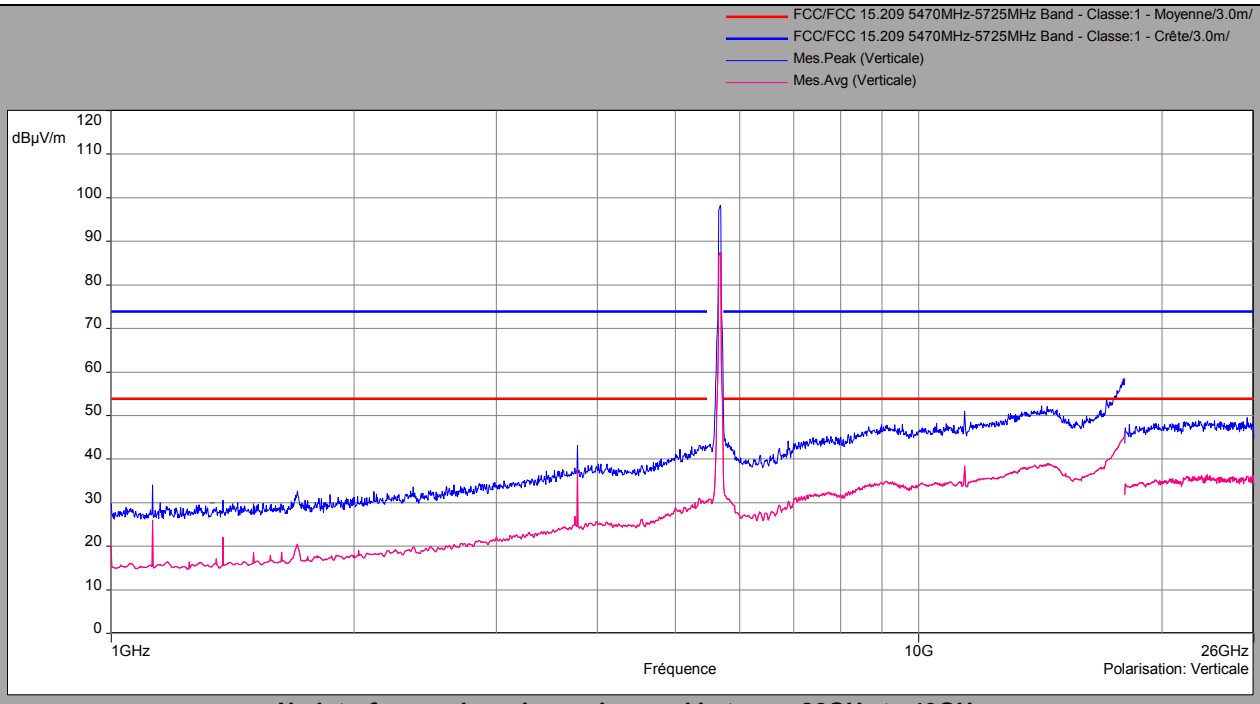
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



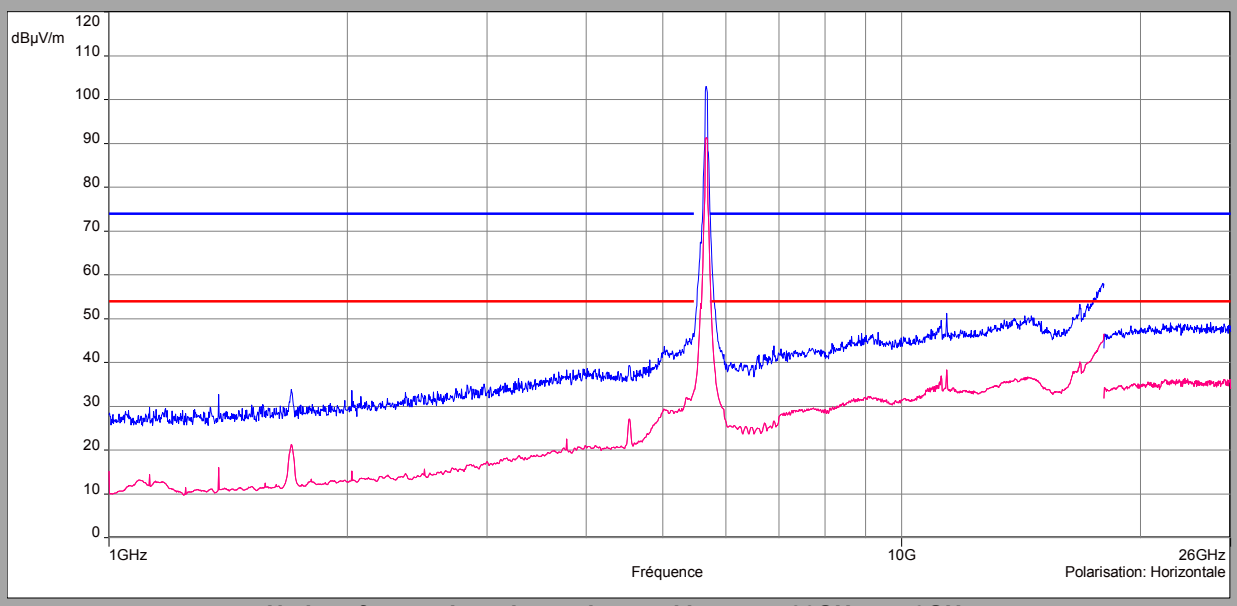
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C20
Vertical Polarization



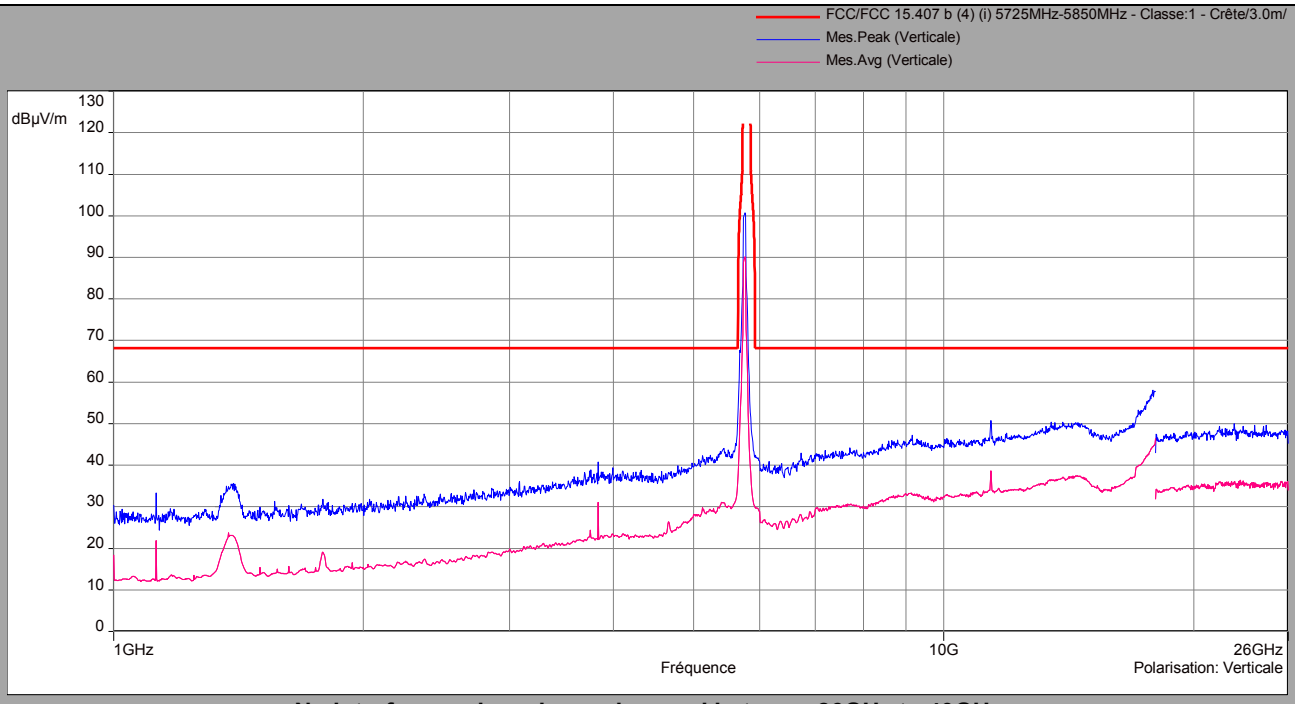
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



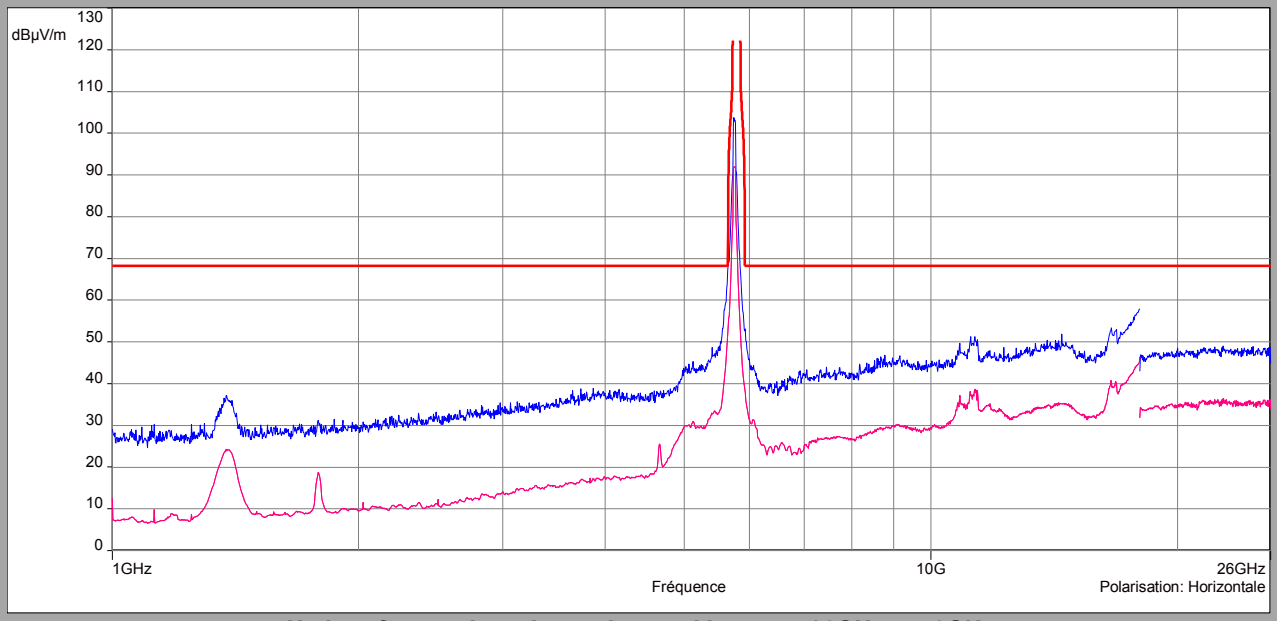
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C22
Vertical Polarization



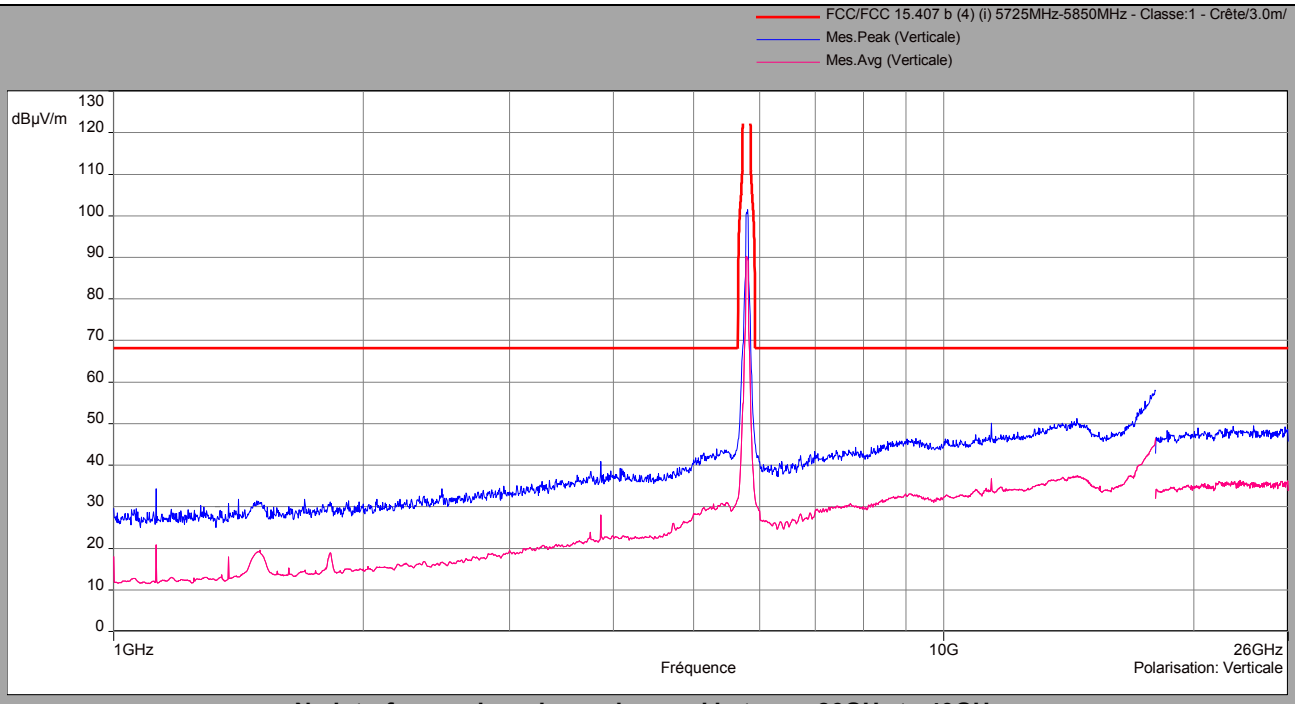
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



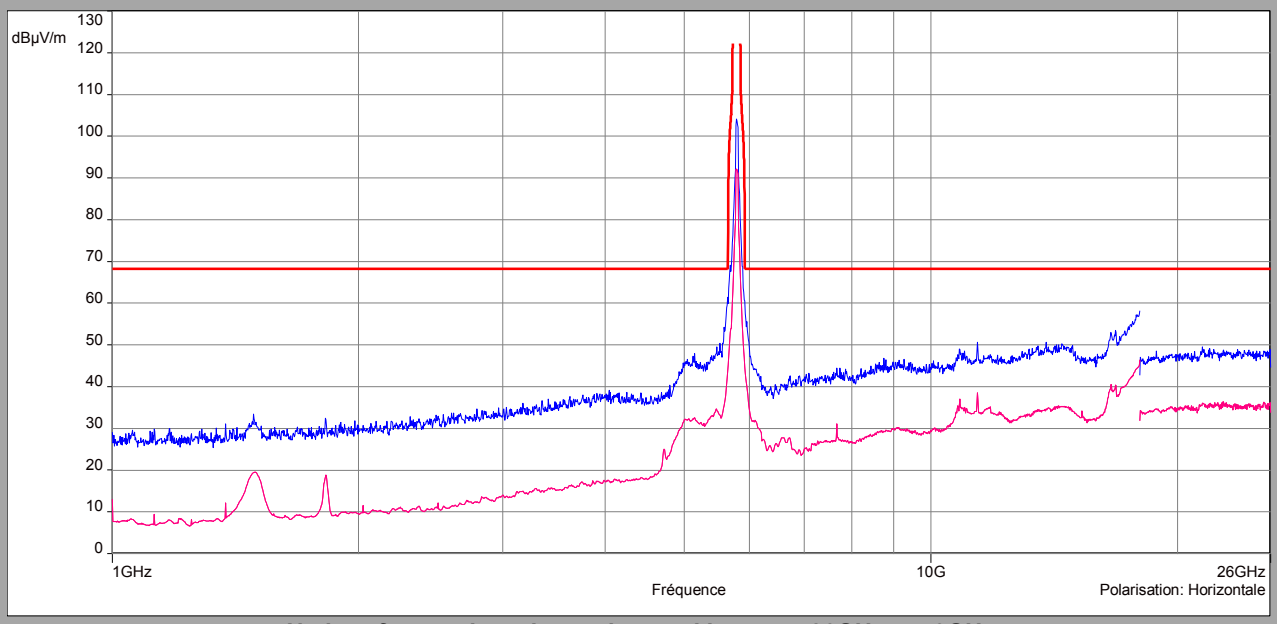
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11n HT40/ac VHT40
C23
Vertical Polarization



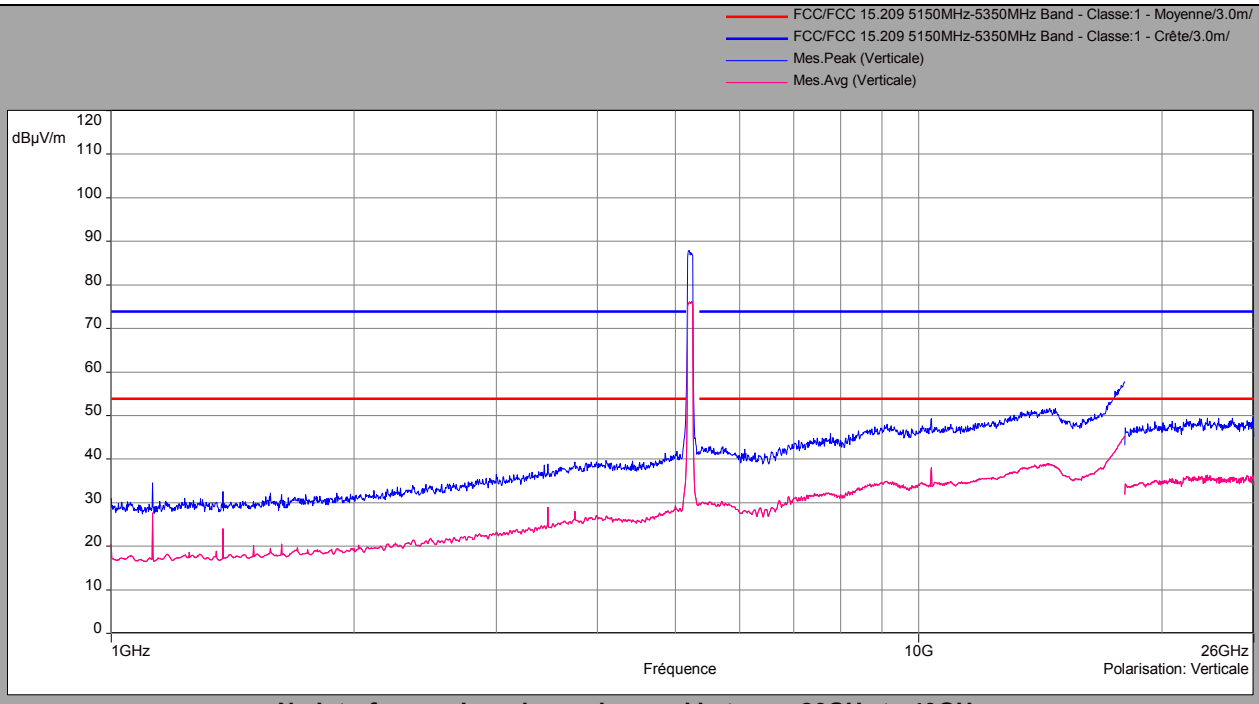
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



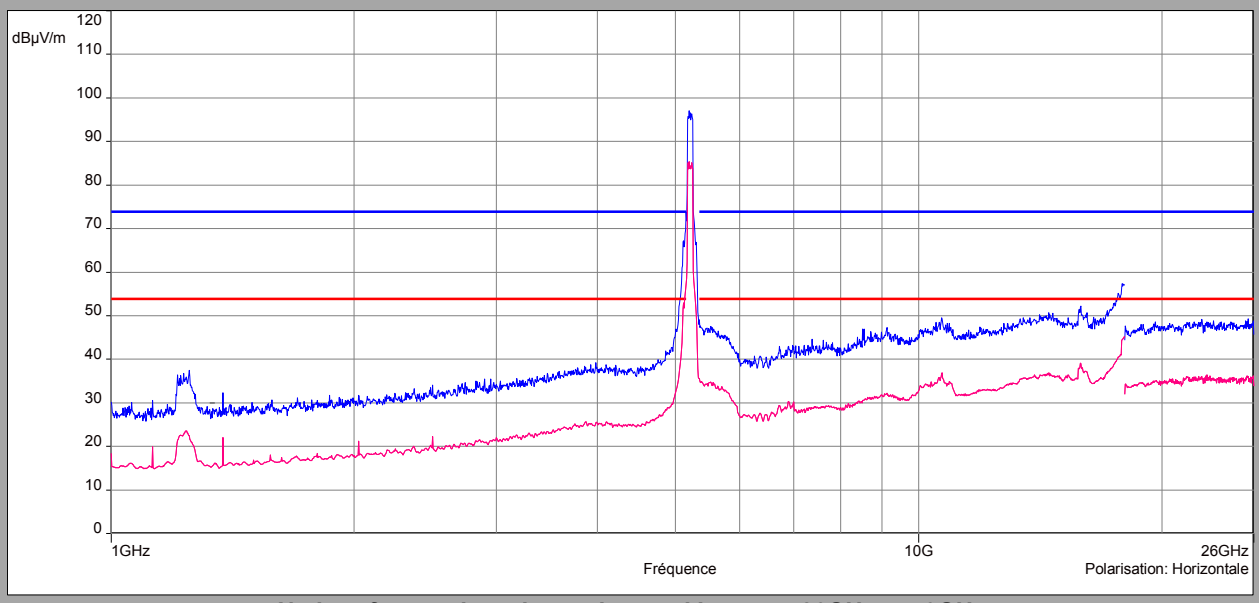
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11ac VHT80
C24
Vertical Polarization



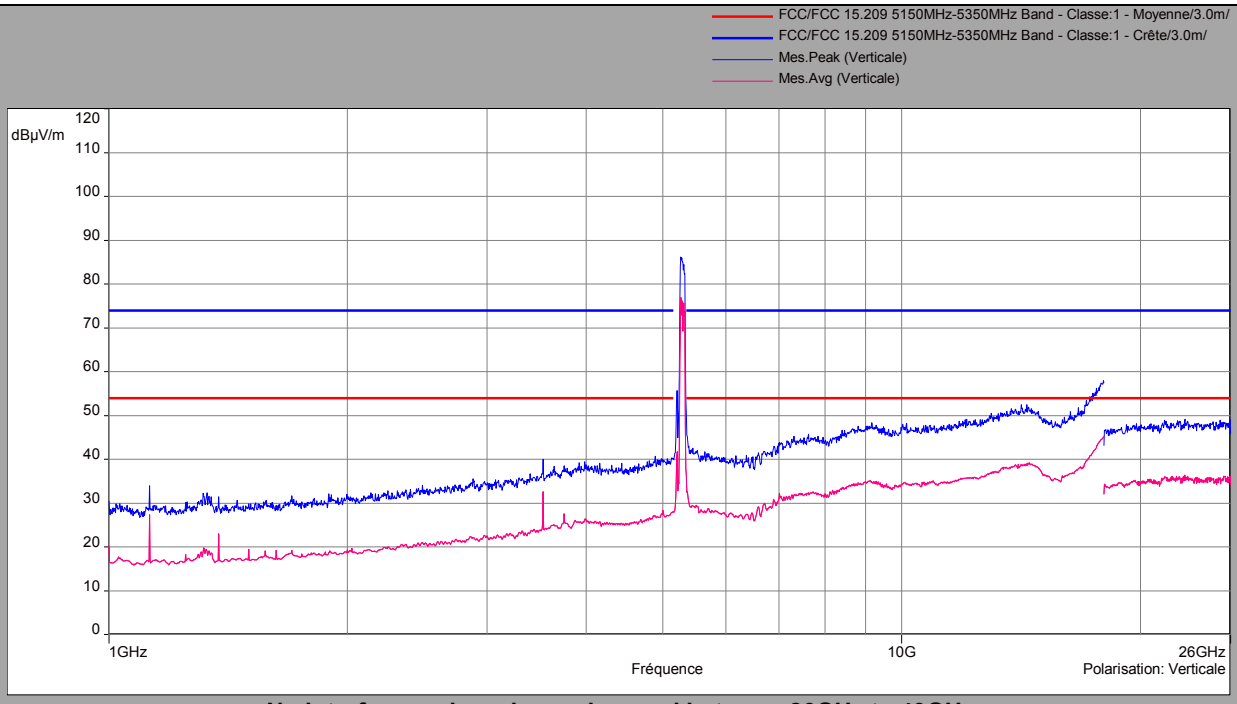
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



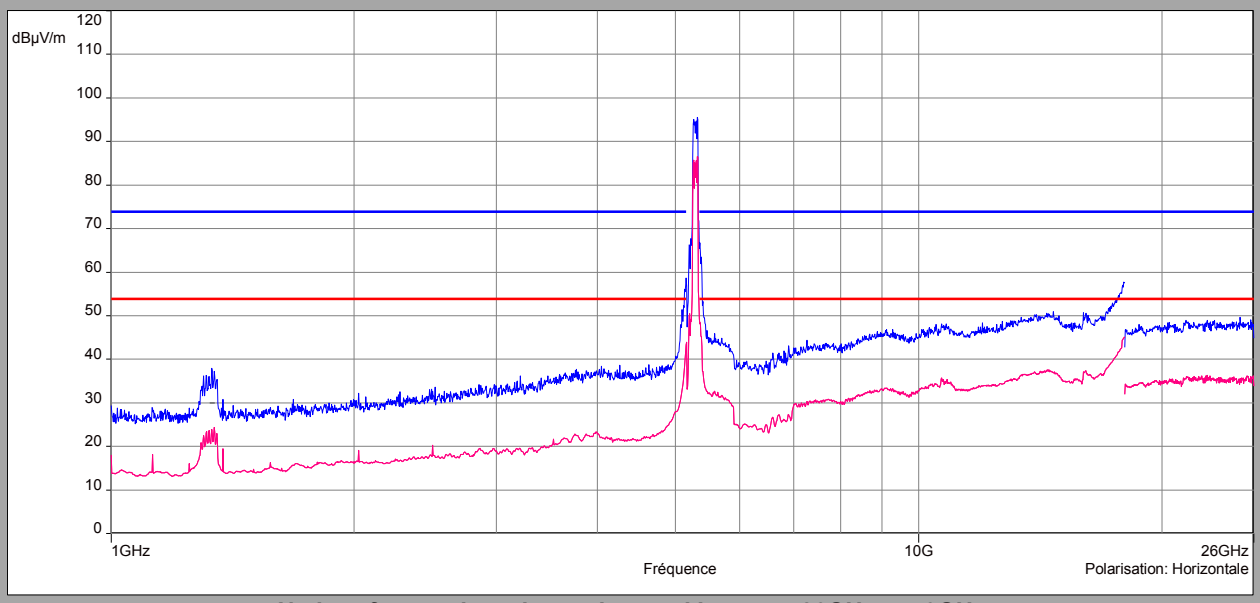
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11ac VHT80
C25
Vertical Polarization



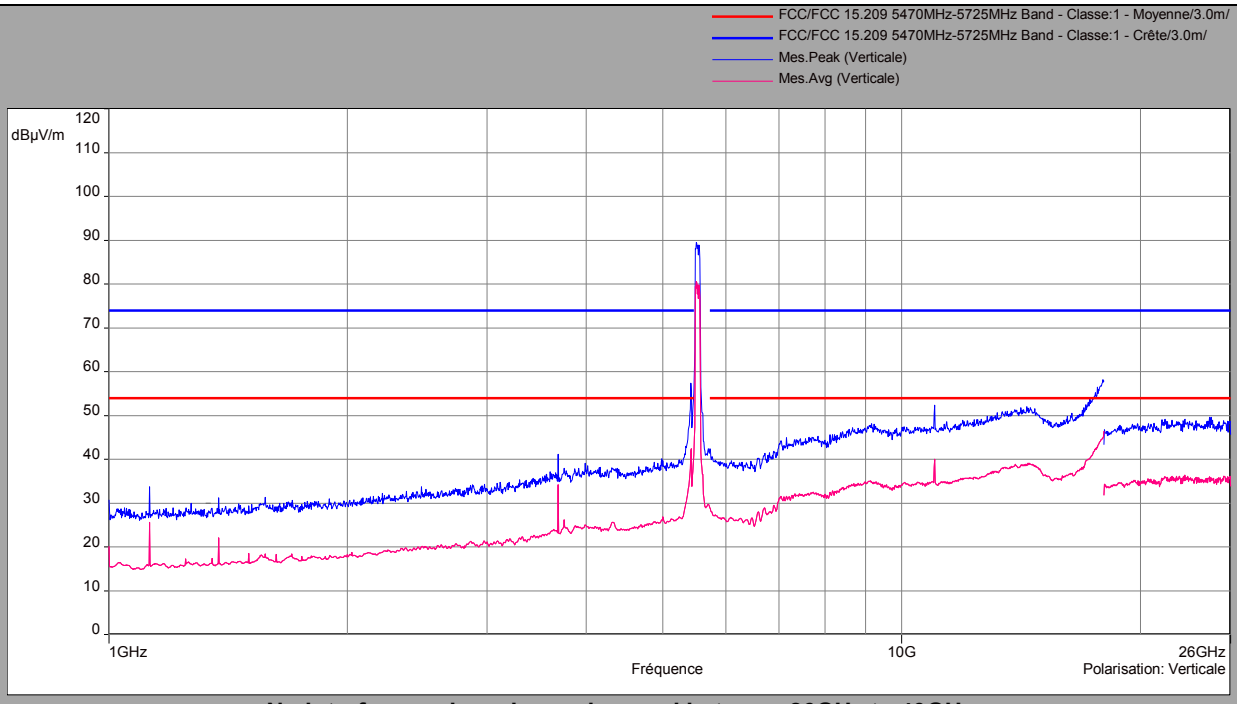
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



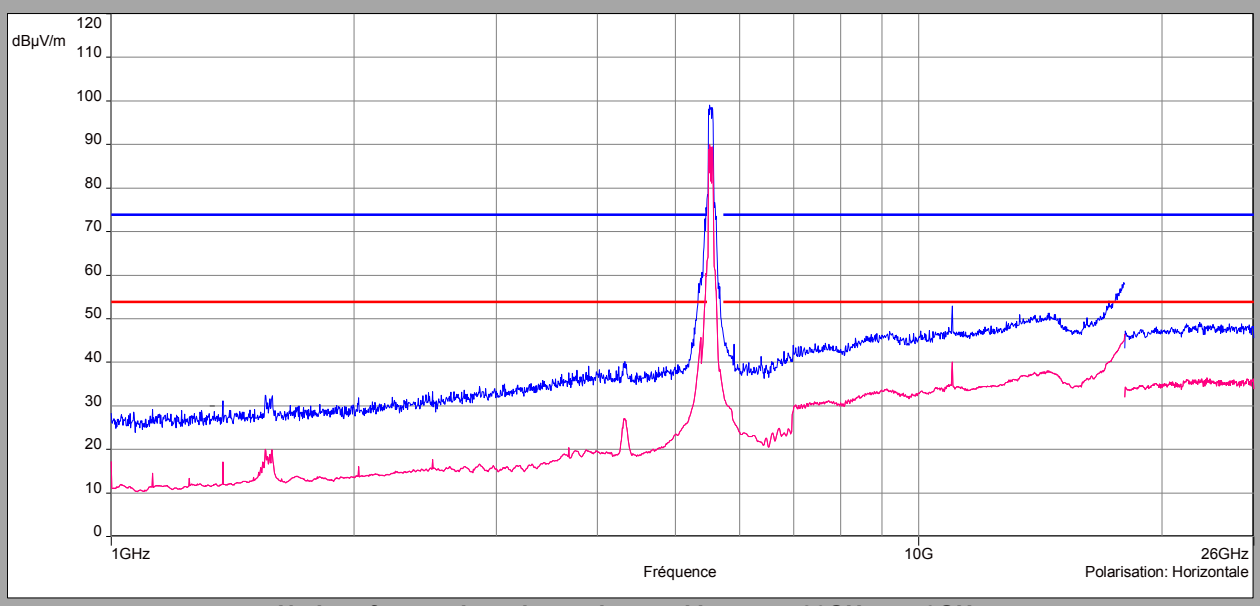
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11ac VHT80
C26
Vertical Polarization



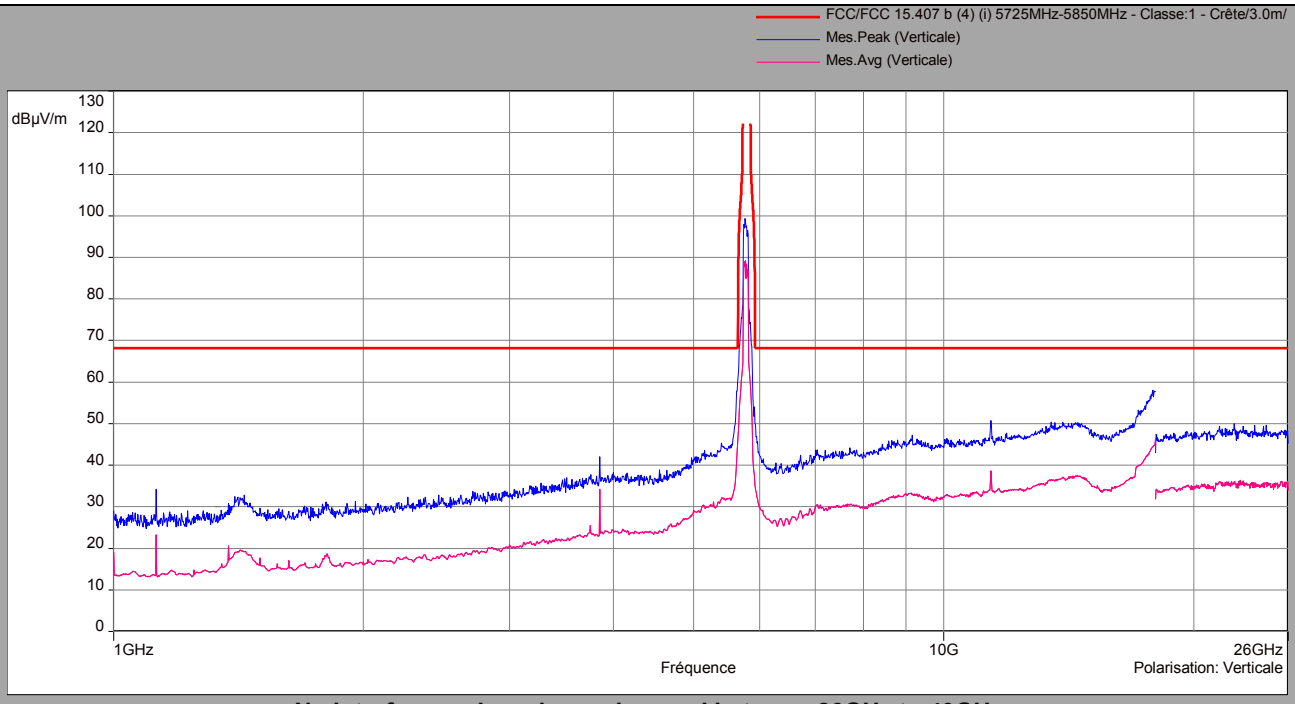
No interference have been observed between 26GHz to 40GHz

Horizontal polarization



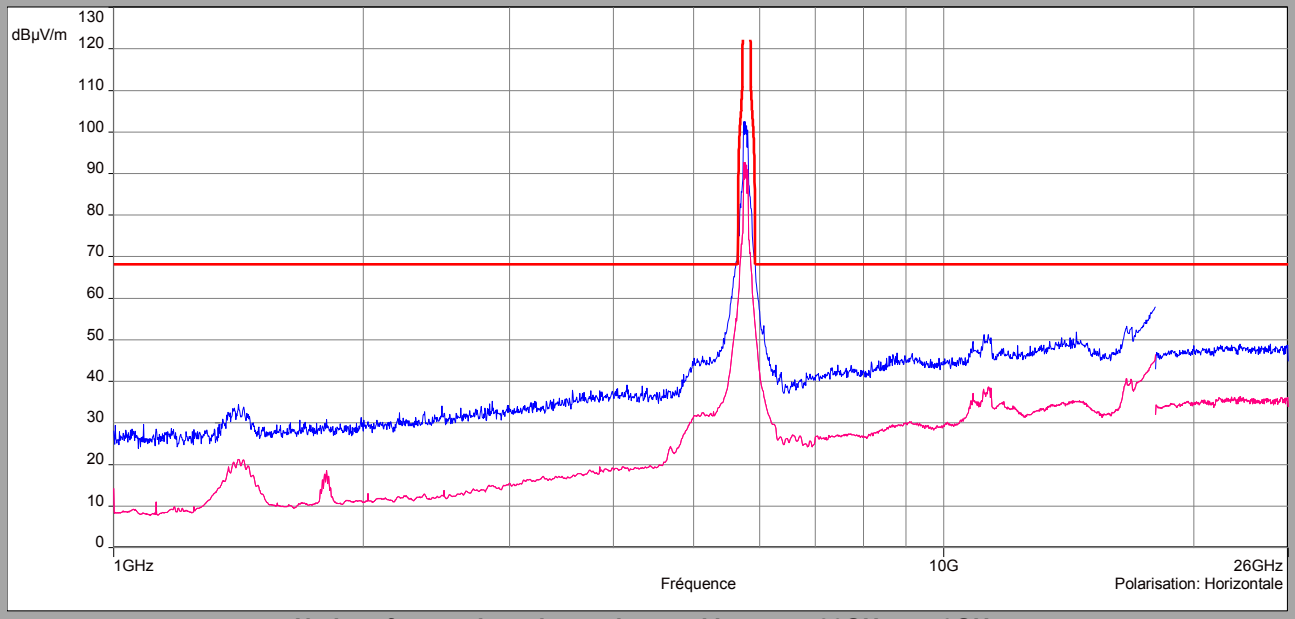
No interference have been observed between 26GHz to 40GHz

Above 1GHz
802.11ac VHT80
C29
Vertical Polarization



No interference have been observed between 26GHz to 40GHz

Horizontal polarization



No interference have been observed between 26GHz to 40GHz

Above 1GHz								
802.11a								
C1/C2/C3 (5150MHz-5250MHz)								
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)**
Verticale	5147.5	48.61	48,62	54	5,38	61.88	74	12.12
Horizontale	5148.5	46.12	46,13	54	7,87	61.38	74	12.62
Horizontale	5150	46.42	46,43	54	7,57	59.10	74	14.90
Verticale	5150	45.72	45,73	54	8,27	58.09	74	15.91
Horizontale	5350	48.88	48,89	54	5,11	60.96	74	13.04
Verticale	5350	47.75	47,76	54	6,24	60.7	74	13.30
Verticale	5354	44.95	44,96	54	9,04	61.45	74	12.55
Horizontale	5364	43.99	44,00	54	10,00	61.58	74	12.42

Above 1GHz								
802.11a								
C4/C5/C6 (5250MHz-5350MHz)								
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)**
Verticale	5139	44.11	44,12	54	9,88	55.77	74	18.23
Horizontale	5140	44.60	44,61	54	9,39	55.99	74	18.23
Horizontale	5150	44.60	44,61	54	9,39	56.60	74	17.40
Verticale	5150	43.75	43,76	54	10,24	56.99	74	17.01
Horizontale	5350	46.75	46,76	54	7,24	58.55	74	15.45
Verticale	5350	44.17	44,18	54	9,82	59.06	74	14.94
Horizontale	5355	46.65	46,66	54	7,34	56.11	74	17.89
Verticale	5366	45.97	45,98	54	8,02	56.01	74	17.99

Above 1GHz								
802.11a								
C7/C8/C9 (5470MHz-5725MHz)								
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	5465	45.20	45,21	54	8,79	57.73	74	16.27
Verticale	54.80	45.55	45,56	54	8,44	57.25	74	16.75
Horizontale	5470	46.77	46,78	54	7,22	59.01	74	14.99
Verticale	5470	43.95	43,96	54	10,04	59.45	74	14.55
Horizontale	5725	46.75	46,76	54	7,24	57.90	74	16.10
Verticale	5725	44.17	44,18	54	9,82	58.59	74	15.41
Verticale	5750	44.60	44,61	54	9,39	58.78	74	15.22
Horizontale	5764	44.05	44,06	54	9,94	57.05	74	16.95

Above 1GHz								
802.11a								
C11/C12/C13 (5725MHz-5850MHz)								
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)
Verticale	5230	59.70	59,71	119.20	59,49	74.70	119.20	44.50
Horizontale	5724	56.80	56,81	120.80	63,99	71.85	120.80	48.95
Horizontale	5725	57.30	57,31	122.2	64,89	74.60	122.2	47.60
Verticale	5725	59.60	59,61	122.2	62,59	74.60	122.2	47.60
Horizontale	5850	61.10	61,11	122.2	61,09	74.60	122.2	47.60
Verticale	5850	62.70	62,71	122.2	59,49	76.40	122.2	45.80
Horizontale	5811	62.00	62,01	120.80	58,79	75.20	120.80	45.60
Verticale	5855	63.90	63,91	110.80	46,89	78.16	110.80	32.64

Above 1GHz								
802.11n HT20/ac VHT20								
C1/C2/C3 (5150MHz-5250MHz)								
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)**
Verticale	5140	44.75	44,92	54	9,08	57.84	74	16.16
Horizontale	5145	46.50	46,67	54	7,33	60.25	74	13.75
Horizontale	5150	47.45	47,62	54	6,38	61.50	74	12.25
Verticale	5150	47.90	48,07	54	5,93	59.50	74	14.50
Horizontale	5350	48.10	48,27	54	5,73	60.35	74	13.65
Verticale	5350	47.25	47,42	54	6,58	59.44	74	14.56
Verticale	5354	47.30	47,47	54	6,53	61.20	74	12.80
Horizontale	5355	46.66	46,83	54	7,17	61.10	74	12.90

Above 1GHz								
802.11n HT20/ac VHT20								
C4/C5/C6 (5250MHz-5350MHz)								
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)**
Verticale	5126	43.00	43,17	54	10,83	56.10	74	17.90
Horizontale	5146	46.50	46,67	54	7,33	56.36	74	17.64
Horizontale	5150	43.96	44,13	54	9,87	56.25	74	17.75
Verticale	5150	43.02	43,19	54	10,81	54.20	74	19.80
Horizontale	5350	45.70	45,87	54	8,13	60.58	74	13.42
Verticale	5350	46.20	46,37	54	7,63	58.28	74	15.72
Horizontale	5366	45.40	45,57	54	8,43	58.30	74	15.70
Verticale	5357	44.90	45,07	54	8,93	57.60	74	16.40

Above 1GHz								
802.11n HT20/ac VHT20								
C7/C8/C9 (5470MHz-5725MHz)								
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	5466	45.35	45,52	54	8,48	59.10	74	14.90
Verticale	5468	46.65	46,82	54	7,18	60.11	74	13.89
Horizontale	5470	45.55	45,72	54	8,28	59.22	74	14.78
Verticale	5470	46.50	46,67	54	7,33	59.02	74	14.98
Horizontale	5725	44.92	45,09	54	8,91	56.55	74	14.45
Verticale	5725	47.15	47,32	54	6,68	63.25	74	10.75
Verticale	5737	44.75	44,92	54	9,08	58.27	74	15.73
Horizontale	5739	44.30	44,47	54	9,53	57.40	74	16.60

Above 1GHz								
802.11n HT20/ac VHT20								
C11/C12/C13 (5725MHz-5850MHz)								
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)**
Verticale	5722	58.24	58,41	117.19	58,78	77.37	117.19	39.82
Horizontale	5723	58.57	58,74	119.19	60,45	73.95	119.19	45.24
Horizontale	5725	57.54	57,71	122.2	64,49	72.90	122.2	49.30
Verticale	5725	63.10	63,27	122.2	58,93	76.73	122.2	45.47
Horizontale	5850	56.03	56,20	122.2	66,00	71.50	122.2	50.70
Verticale	5850	60.15	60,32	122.2	61,88	78.60	122.2	43.60
Horizontale	5853	54.44	54,61	117.19	62,58	71.51	117.19	45.68
Verticale	5855	58.10	58,27	110.80	52,53	75.63	110.80	35.17

Above 1GHz								
802.11n HT40/ac VHT40								
C14/C15 (5150MHz-5250MHz)								
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	5143	45.70	45,88	54	8,13	58.47	74	15.53
Verticale	5147	45.10	45,28	54	8,73	58.98	74	15.02
Horizontale	5150	46.03	46,21	54	7,80	58.60	74	15.40
Verticale	5150	45.09	45,27	54	8,74	57.60	74	16.40
Horizontale	5350	46.20	46,38	54	7,63	59.20	74	14.80
Verticale	5350	45.90	46,08	54	7,93	57.95	74	16.05
Horizontale	5359	46.35	46,53	54	7,48	59.80	74	14.20
Verticale	53.60	46.00	46,18	54	7,83	59.00	74	15.00

Above 1GHz								
802.11n HT40/ac VHT40								
C16/C17 (5250MHz-5350MHz)								
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	5141	43.20	43,38	54	10,63	56.25	74	17.75
Verticale	5145	43.50	43,68	54	10,33	55.60	74	18.40
Horizontale	5150	43.50	43,68	54	10,33	54.10	74	19.90
Verticale	5150	43.00	43,18	54	10,83	54.35	74	19.65
Horizontale	5350	52.10	52,28	54	1,73	65.55	74	8.45
Verticale	5350	51.10	51,28	54	2,73	64.30	74	9.70
Verticale	5356	47.60	47,78	54	6,23	61.95	74	12.05
Horizontale	5358	47.45	47,63	54	6,38	62.70	74	11.30

Above 1GHz								
802.11n HT40/ac VHT40								
C18/C19/C20 (5470MHz-5725MHz)								
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)**
Verticale	5465	47.30	47,48	54	6,53	61.75	74	12.25
Horizontale	5468	47.77	47,95	54	6,06	62.75	74	11.25
Horizontale	5470	48.40	48,58	54	5,43	61.15	74	12.85
Verticale	5470	48.40	48,58	54	5,43	62.00	74	12.00
Horizontale	5725	45.80	45,98	54	8,03	58.15	74	15.85
Verticale	5725	44.75	44,93	54	9,08	57.70	74	16.30
Horizontale	5731	45.05	45,23	54	8,78	58.02	74	15.98
Verticale	5738	44.11	44,29	54	9,72	57.40	74	16.60

Above 1GHz								
802.11n HT40/ac VHT40								
C22/C23 (5725MHz-5850MHz)								
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	5720	62.85	63,03	110.80	47,78	81.45	110.80	29.35
Verticale	5724	62.02	62,20	120.80	58,61	76.80	120.80	-44.00
Horizontale	5725	66.35	66,53	122.2	55,68	79.26	122.2	42.94
Verticale	5725	62.50	62,68	122.2	59,53	75.60	122.2	46.60
Horizontale	5850	55.10	55,28	122.2	66,93	68.99	122.2	53.21
Verticale	5850	52.30	52,48	122.2	69,73	67.10	122.2	55.10
Horizontale	5858	53.20	53,38	110.15	56,78	69.40	110.15	40.75
Verticale	5859	49.90	50,08	109.93	59,86	65.30	109.93	44.63

Above 1GHz								
802.11ac VHT80								
C24 (5150MHz-5250MHz								
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	5135	44.04	44,40	54	9,60	58.15	74	15.85
Verticale	5148	44.90	45,26	54	8,74	58.85	74	15.15
Horizontale	5150	46.06	46,42	54	7,58	58.22	74	15.78
Verticale	5150	45.80	46,16	54	7,84	59.50	74	14.50
Horizontale	5350	43.90	44,26	54	9,74	55.04	74	18.96
Verticale	5350	42.44	42,80	54	11,20	55.67	74	18.33
Horizontale	5357	42.88	43,24	54	10,76	55.77	74	18.23
Verticale	5358	42.70	43,06	54	10,94	56.40	74	17.60

Above 1GHz								
802.11ac VHT80								
C25 (5250MHz-5350MHz)								
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	5140	41.80	42,16	54	11,84	54.96	74	19.04
Verticale	5143	41.40	41,76	54	12,24	55.60	74	18.40
Horizontale	5150	41.70	42,06	54	11,94	54.07	74	19.93
Verticale	5150	41.80	42,16	54	11,84	53.00	74	21.00
Horizontale	5350	46.08	46,44	54	7,56	57.07	74	16.93
Verticale	5350	43.66	44,02	54	9,98	55.80	74	18.20
Verticale	5353	44.55	44,91	54	9,09	57.20	74	16.80
Horizontale	5366	45.60	45,96	54	8,04	58.30	74	15.70

Above 1GHz								
802.11ac VHT80								
C26/C27 (5470MHz-5725MHz)								
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	5460	47.80	48,16	54	5,84	61.00	74	13.00
Verticale	5460	49.15	49,51	54	4,49	63.50	74	10.50
Horizontale	5470	47.40	47,76	54	6,24	60.38	74	13.62
Verticale	5470	48.70	49,06	54	4,94	63.50	74	10.50
Horizontale	5725	43.45	43,81	54	10,19	55.50	74	18.50
Verticale	5725	43.35	43,71	54	10,29	56.03	74	17.97
Horizontale	5730	43.30	43,66	54	10,34	57.30	74	16.70
Verticale	5737	43.10	43,46	54	10,54	56.55	74	17.45

Above 1GHz								
802.11ac VHT80								
C29 (5725MHz-5850MHz)								
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)**
Verticale	5723	60.50	60,86	119.20	58,34	75.75	119.20	43.45
Horizontale	5724	56.20	56,56	120.80	64,24	78.30	120.80	42.50
Horizontale	5725	59.40	59,76	122.2	62,44	74.60	122.2	47.60
Verticale	5725	60.65	61,01	122.2	61,19	74.07	122.2	48.13
Horizontale	5850	56.35	56,71	122.2	65,49	68.60	122.2	53.60
Verticale	5850	49.00	49,36	122.2	72,84	61.33	122.2	60.87
Verticale	5859	50.45	50,81	109.90	59,09	64.57	109.90	45.33
Horizontale	5867	52.20	52,56	107.90	55,34	68.20	107.90	39.70

11.7. CONCLUSION

Unwanted emissions & Undesirable emission measurement performed on the sample of the product **SAGEMCOM FAST 5260**, SN: **NQ1736013023187**, in configuration and description presented in this test report, show levels **compliant** to the 47 CFR PART 15.407 & RSS 247 ISSUE 2 limits.

12. UNCERTAINTIES CHART

47 CFR Part 15.209 & 15.207 Kind of test	Wide uncertainty laboratory (k=2) ±x(dB) / (Hz)/ 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	4,88	6.3
Measurement of radiated electric field from 1 to 18GHz on the site	5.16	/
Measurement of radiated electric field from 30 to 1000MHz in vertical position on the OATS	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	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