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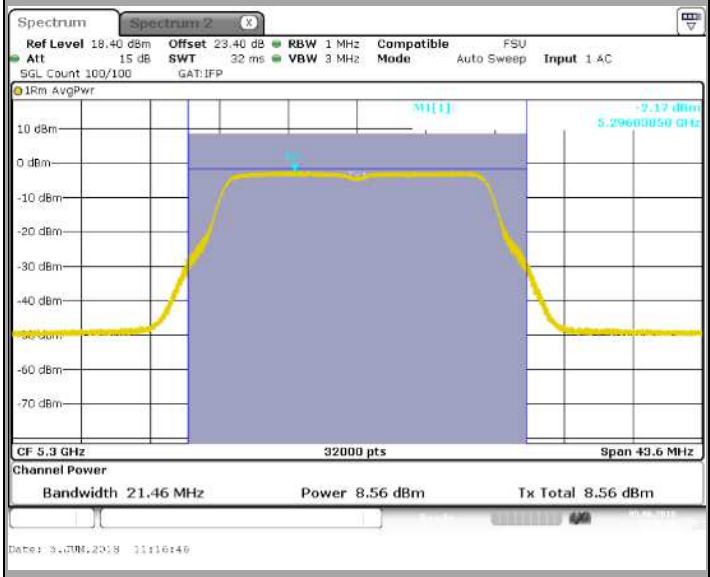	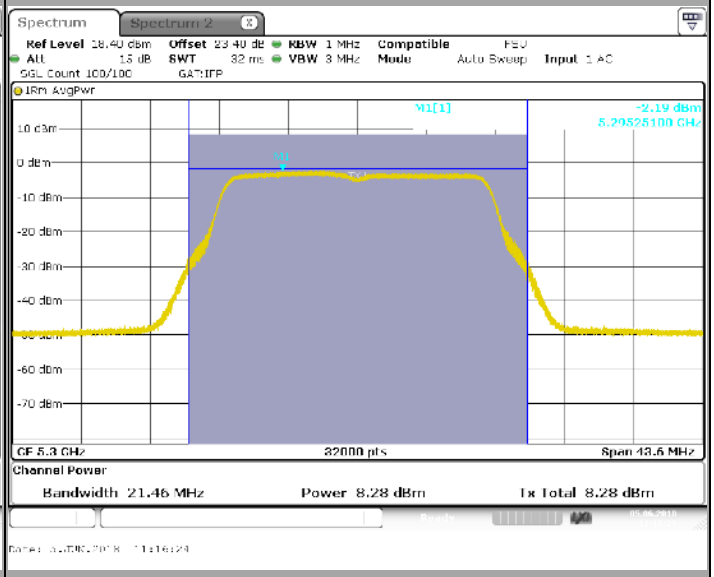
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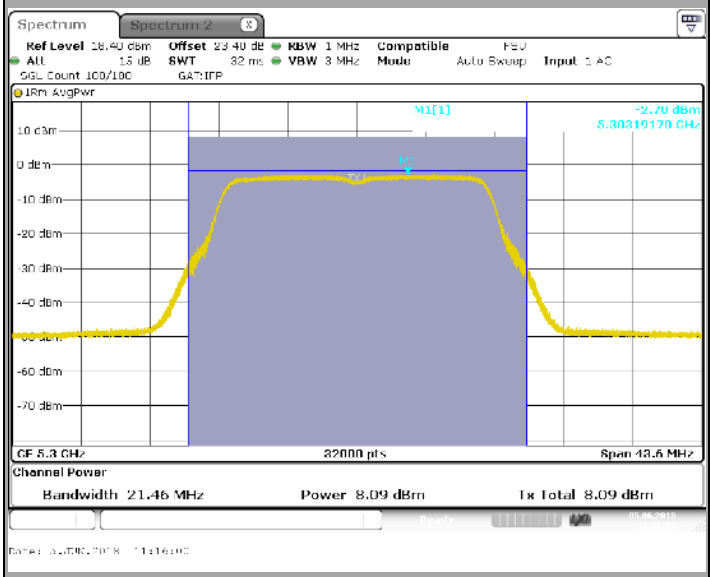	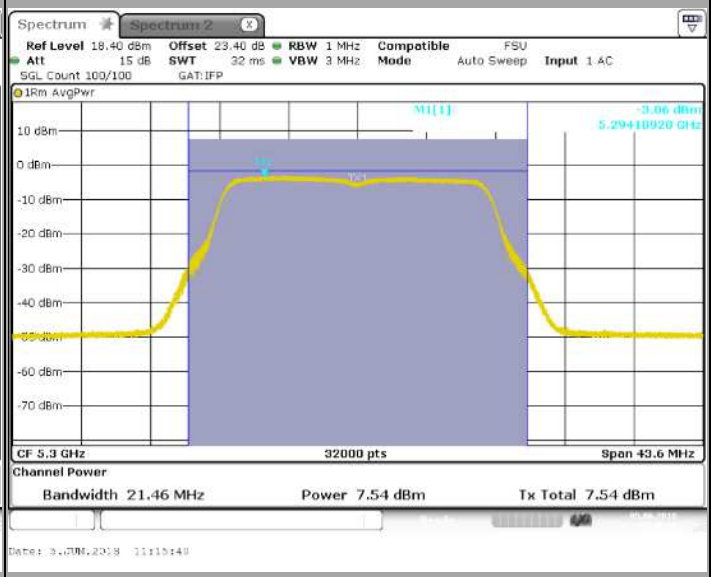

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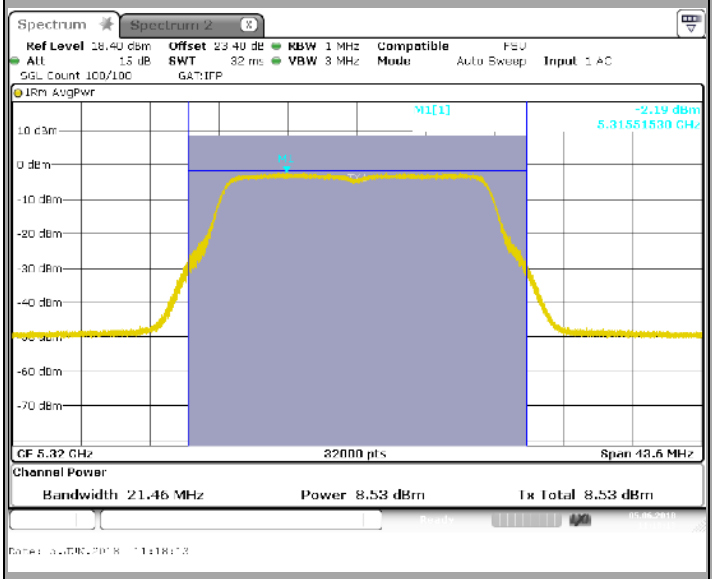	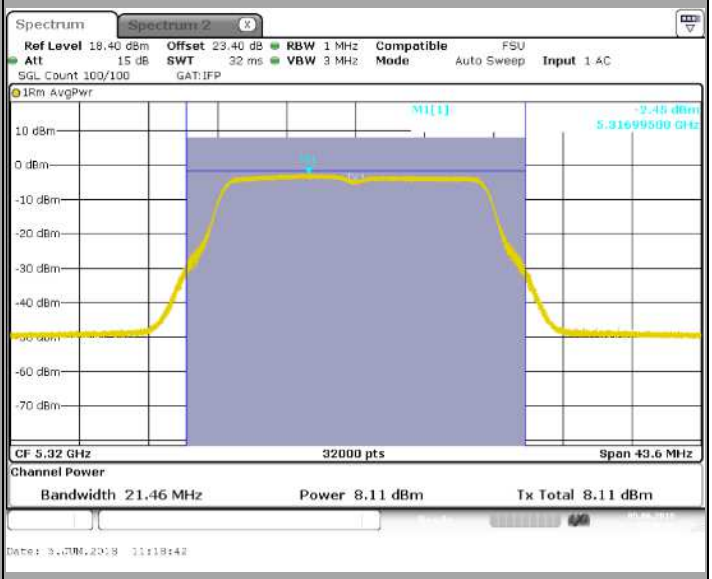
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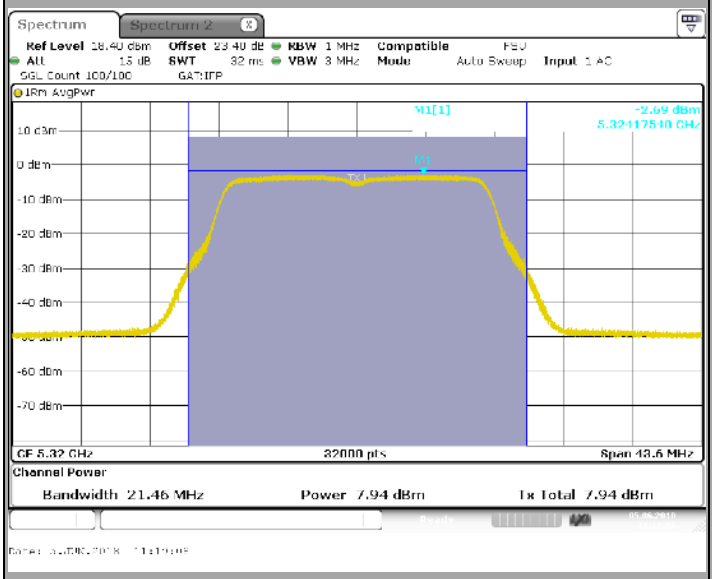	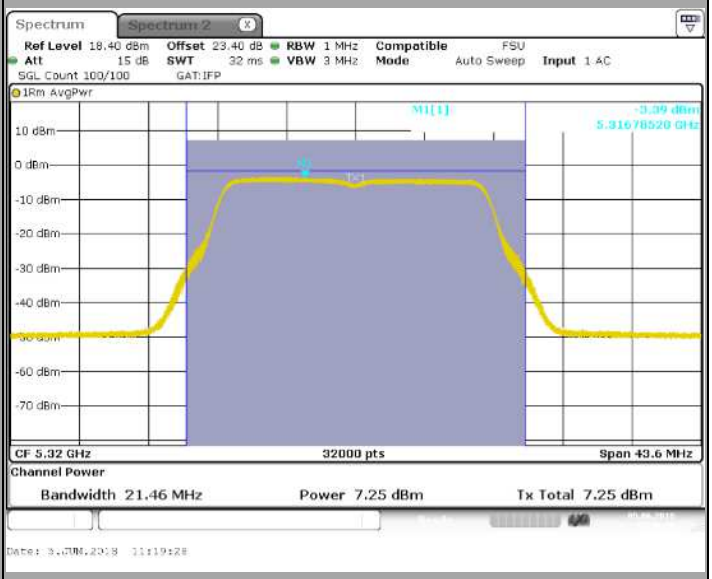

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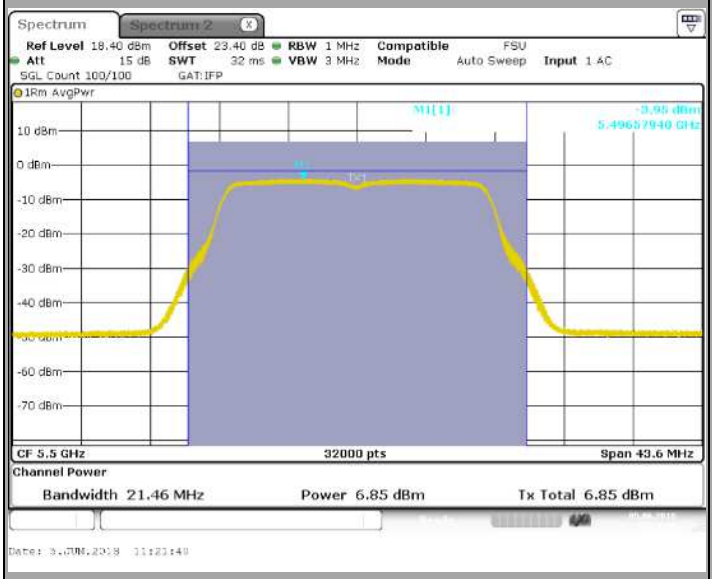	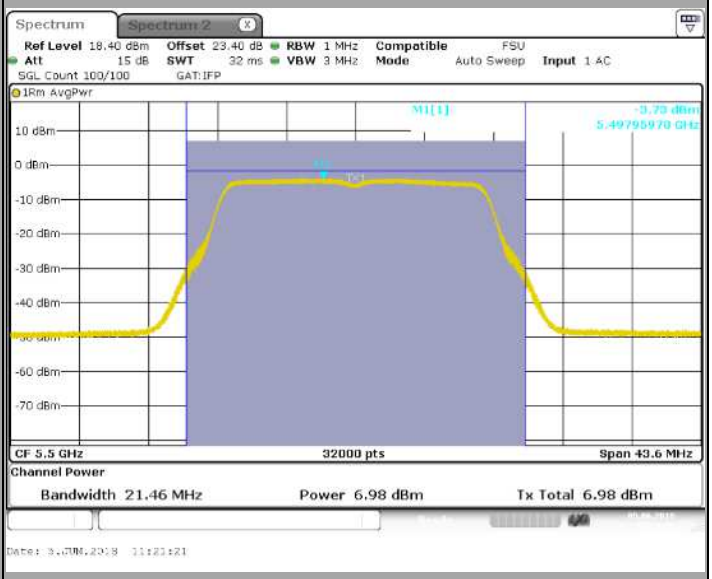
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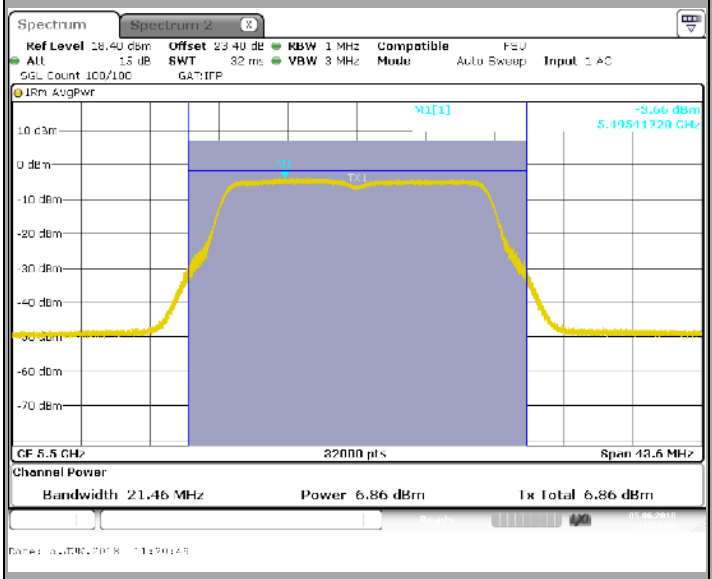	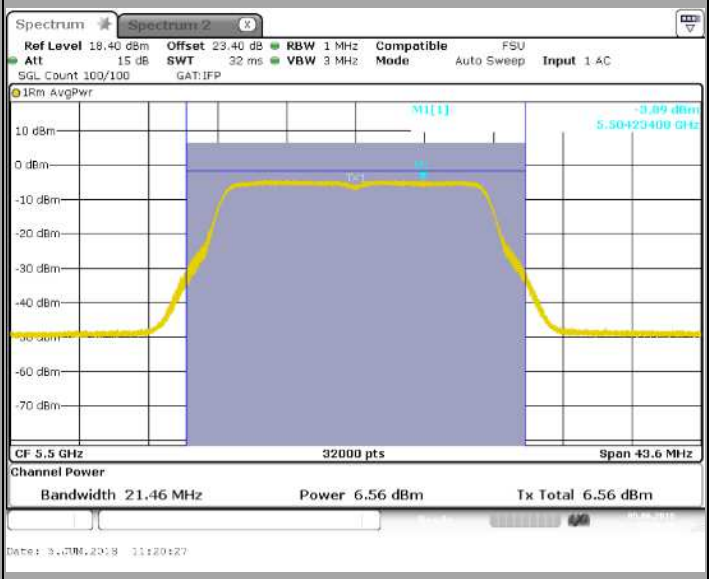

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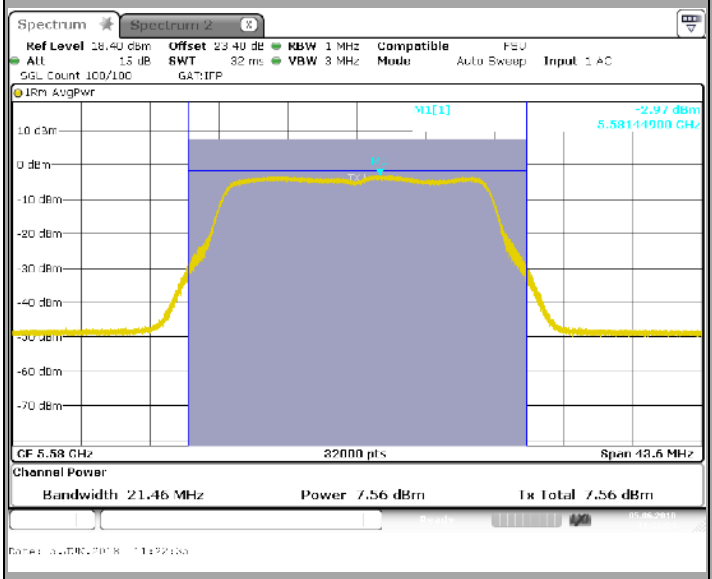	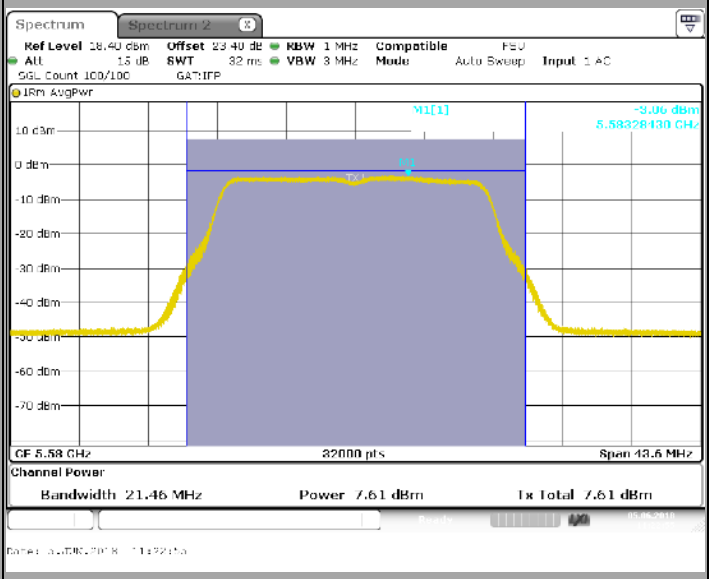
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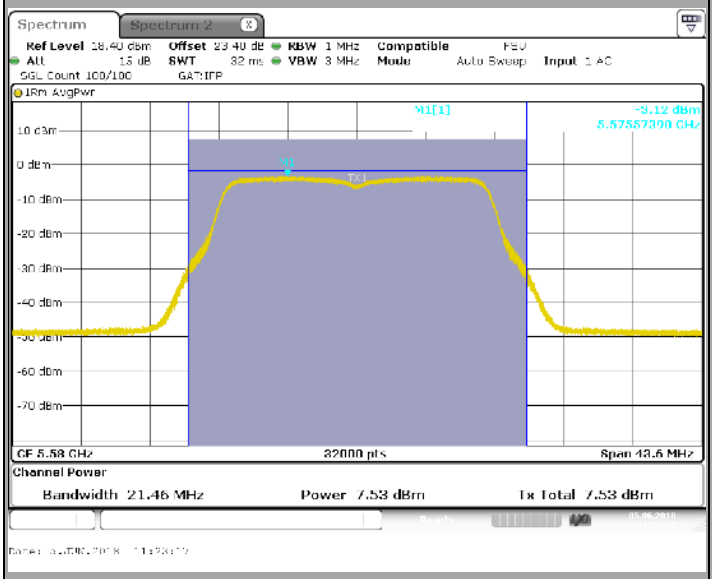	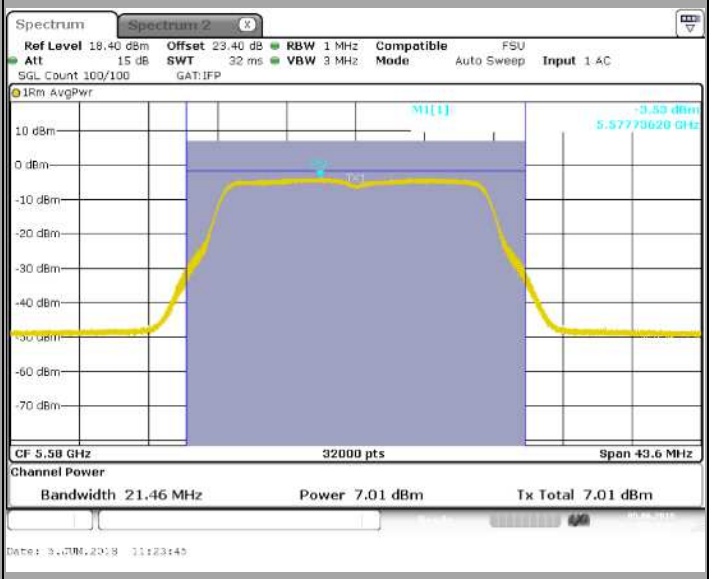

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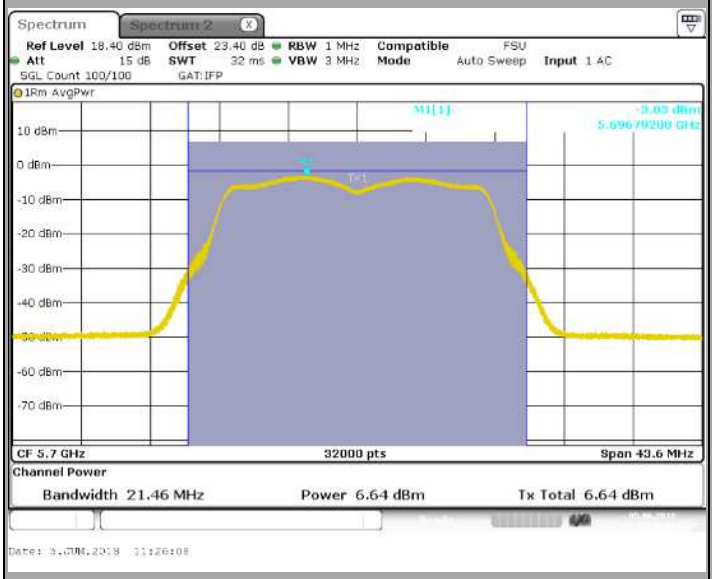	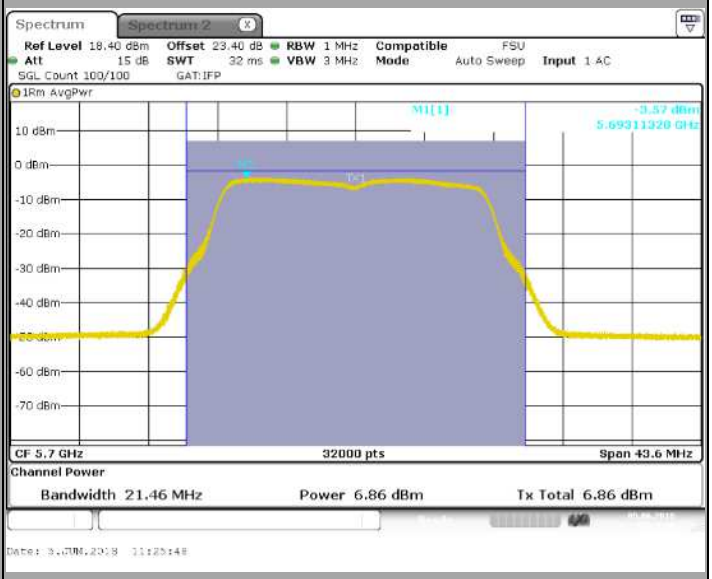
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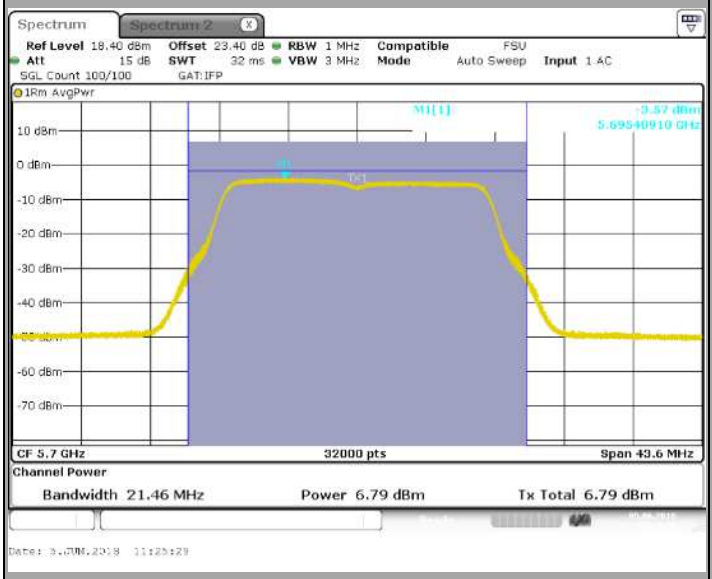	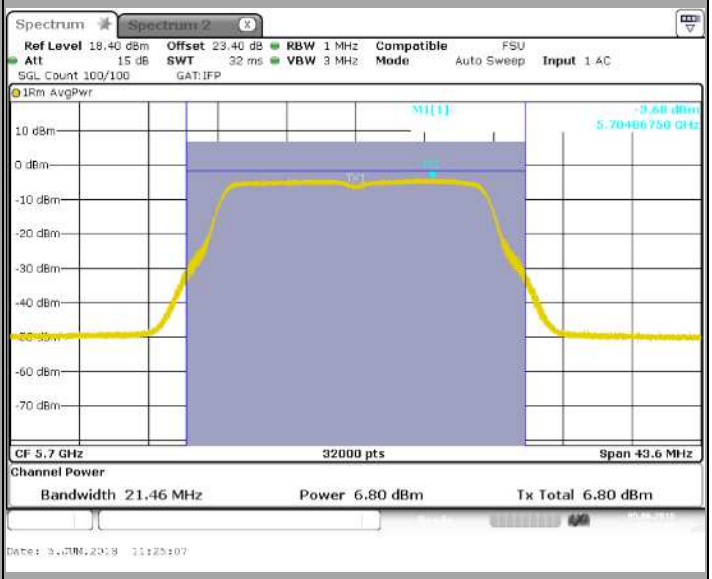

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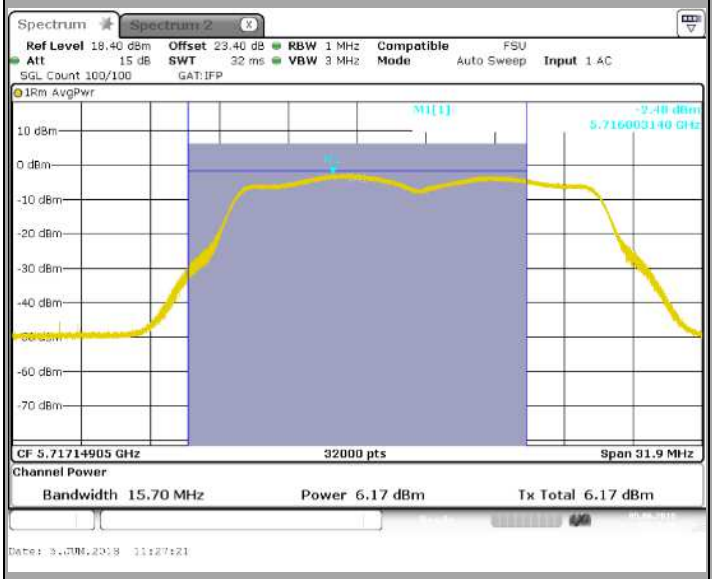	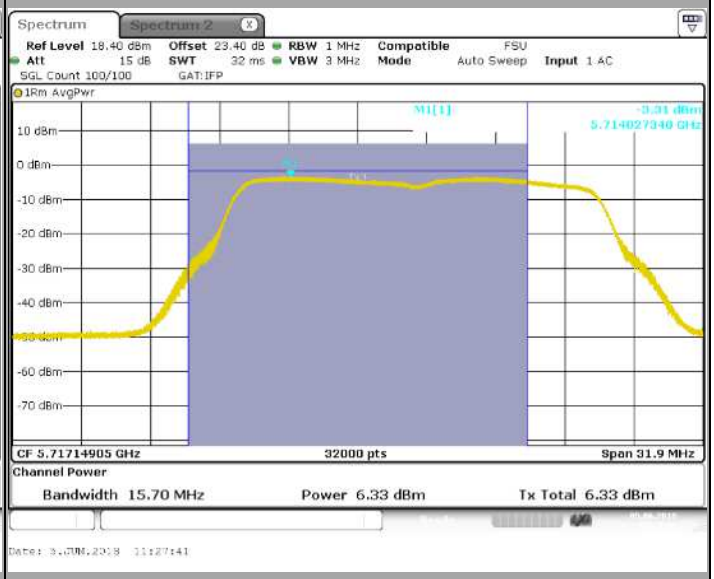
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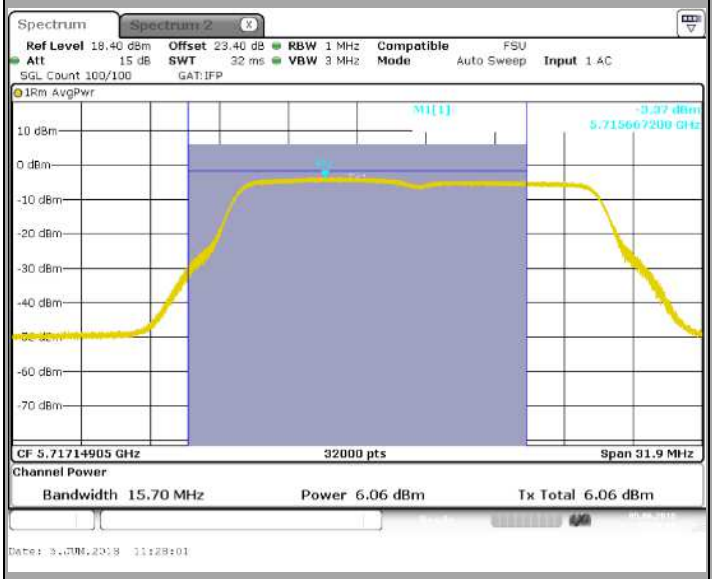	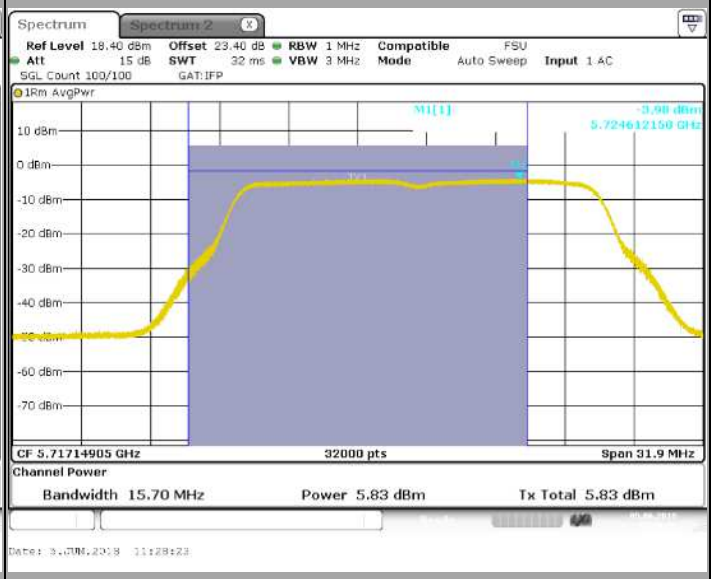

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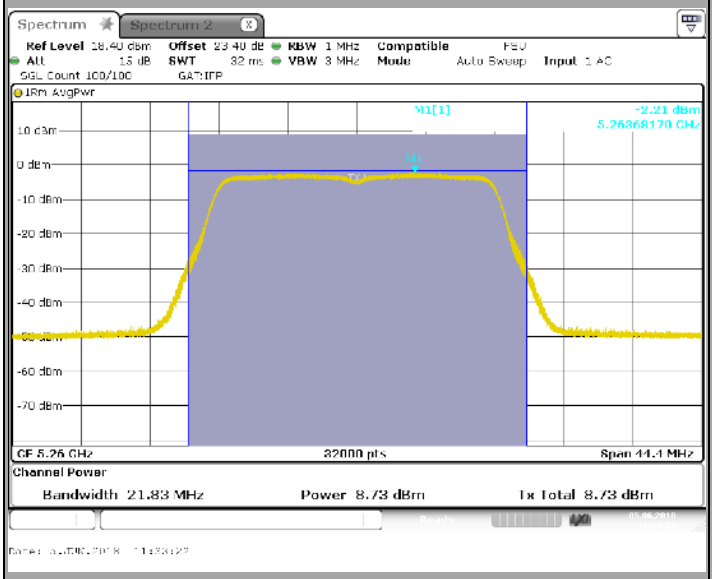	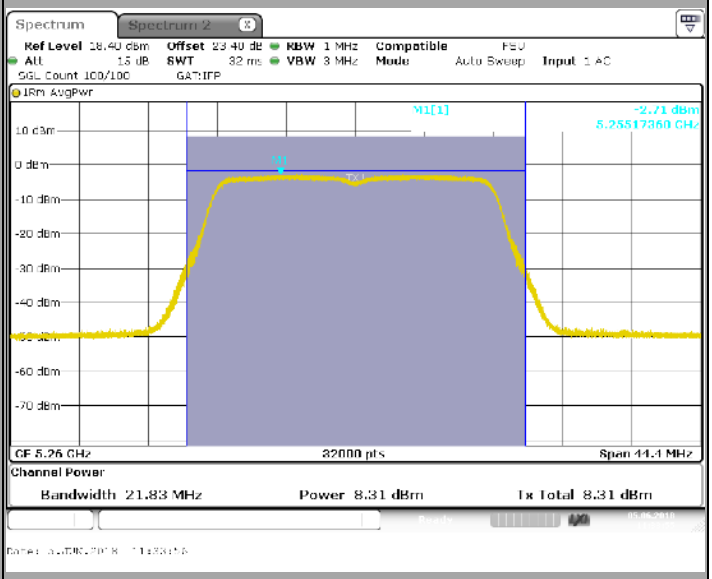
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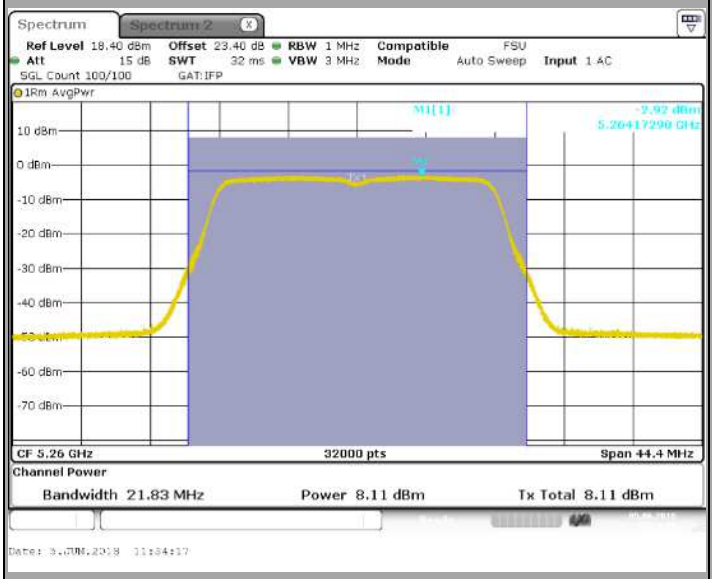	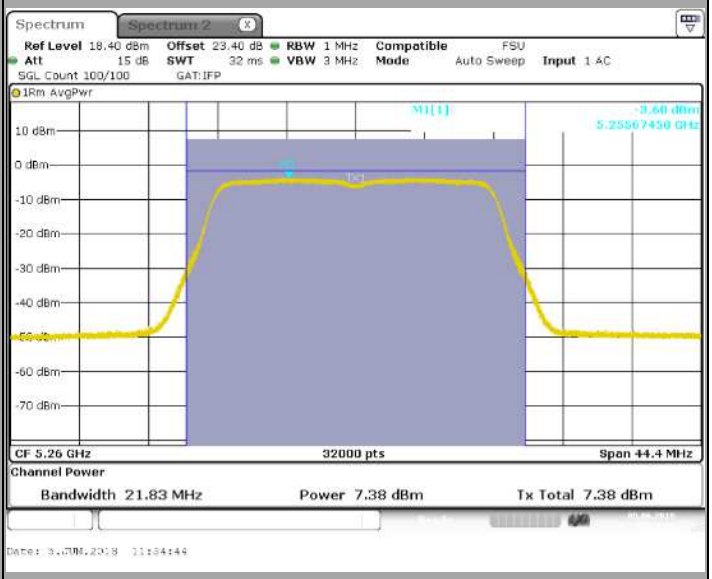

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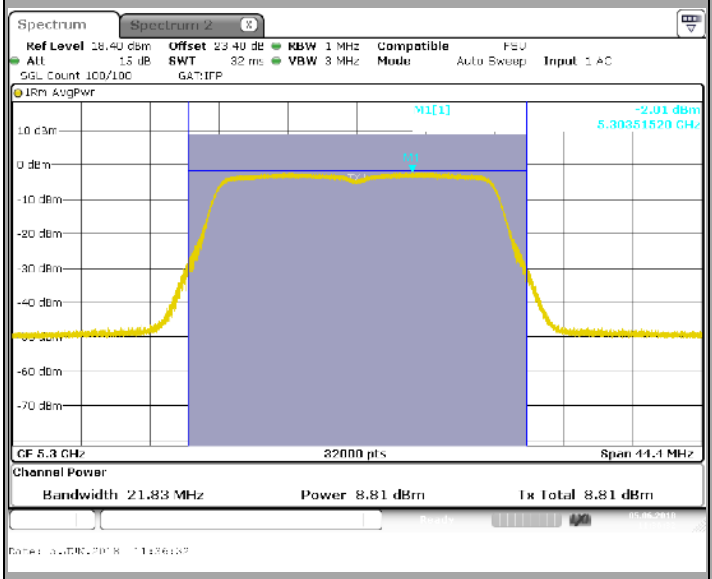	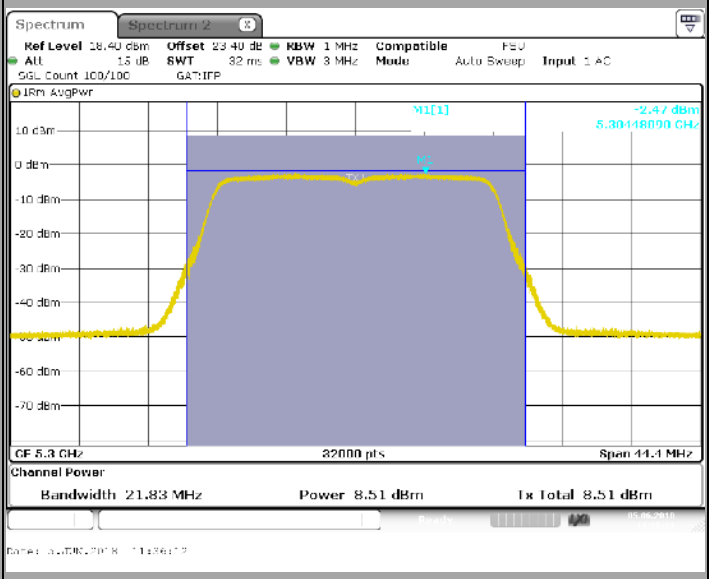
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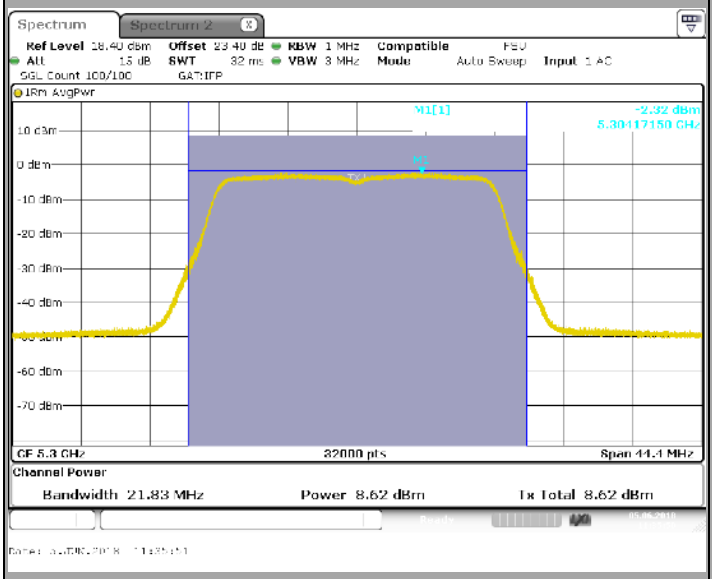	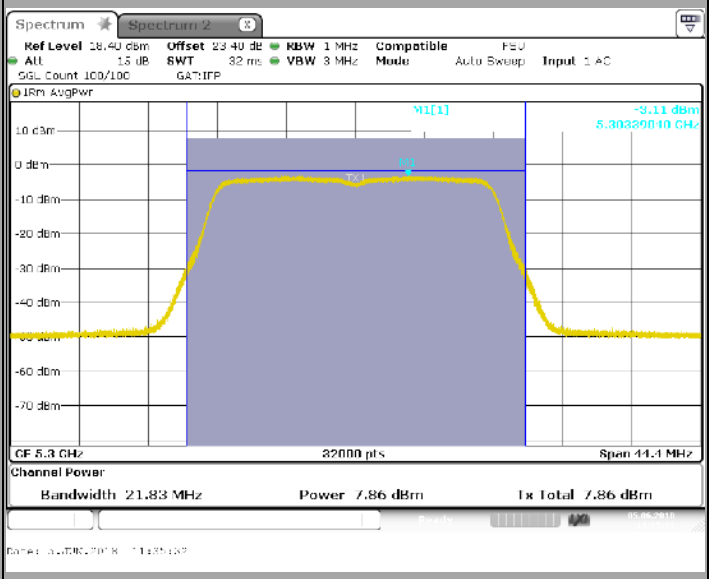

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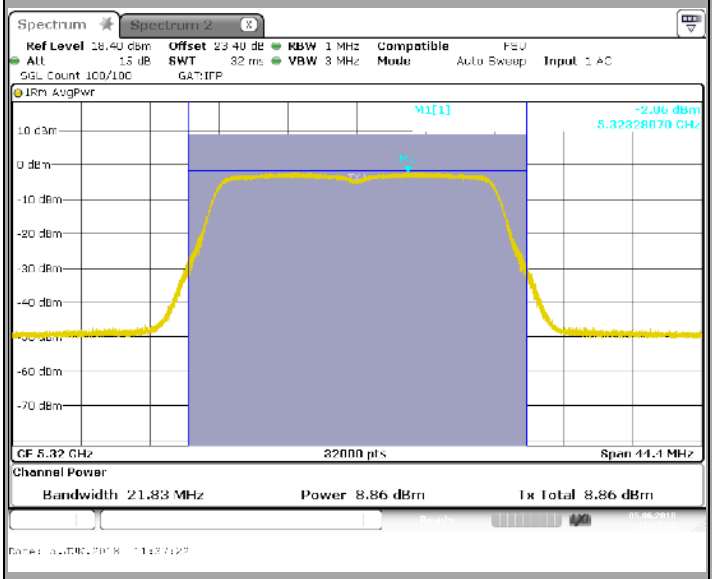	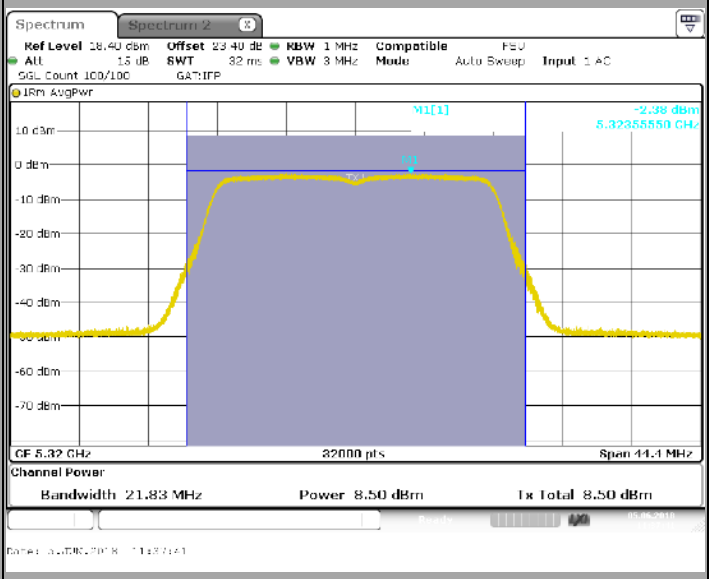
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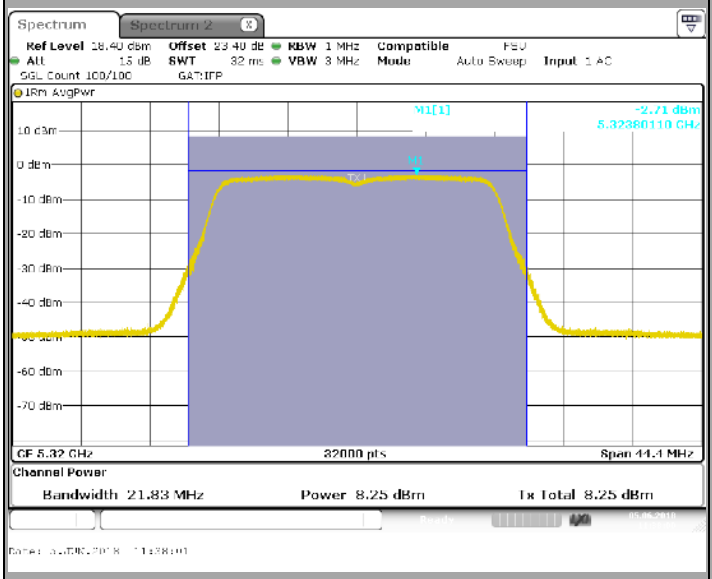	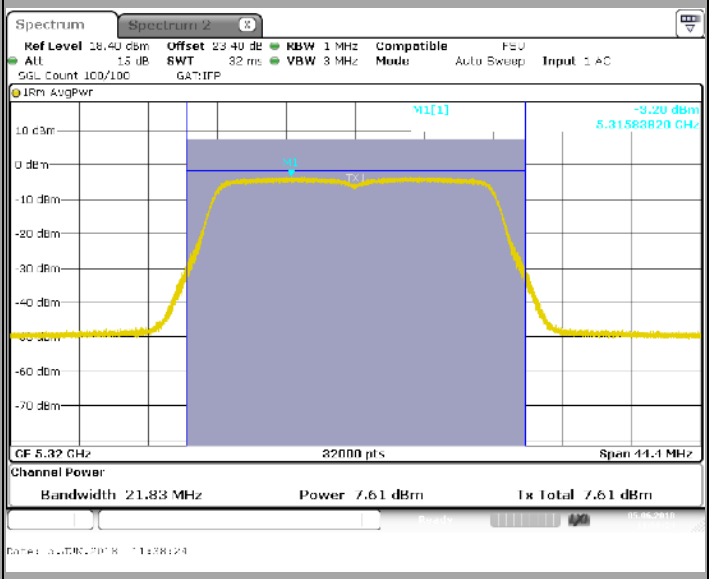

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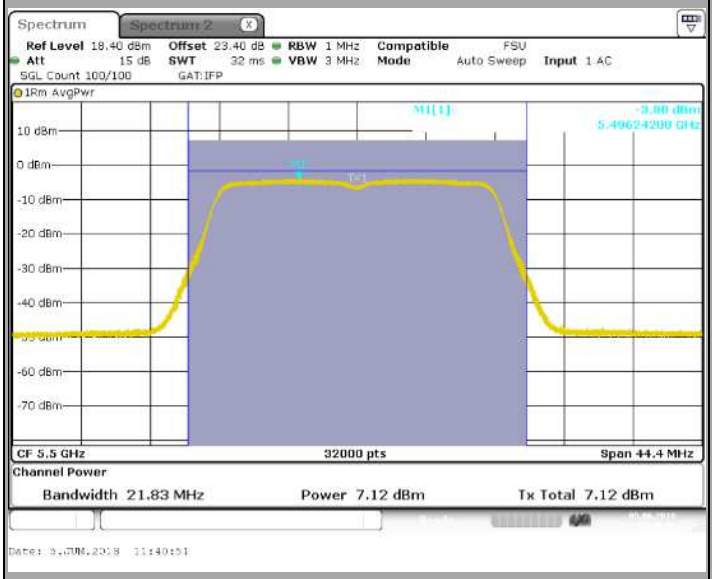	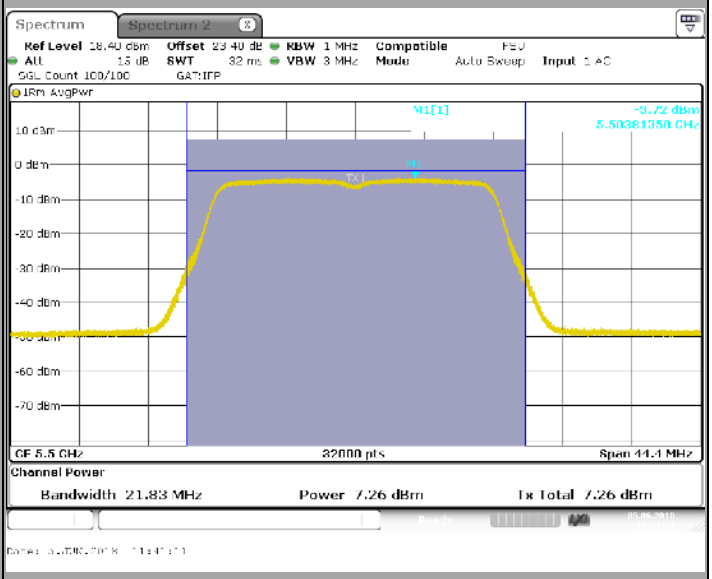
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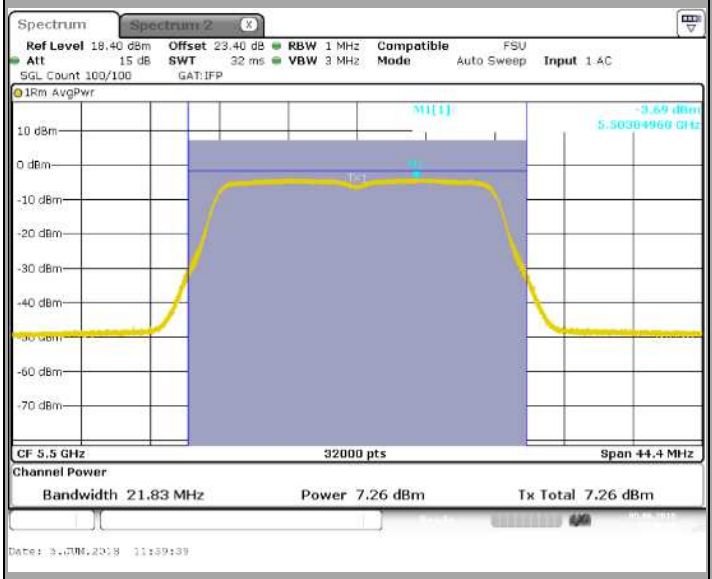	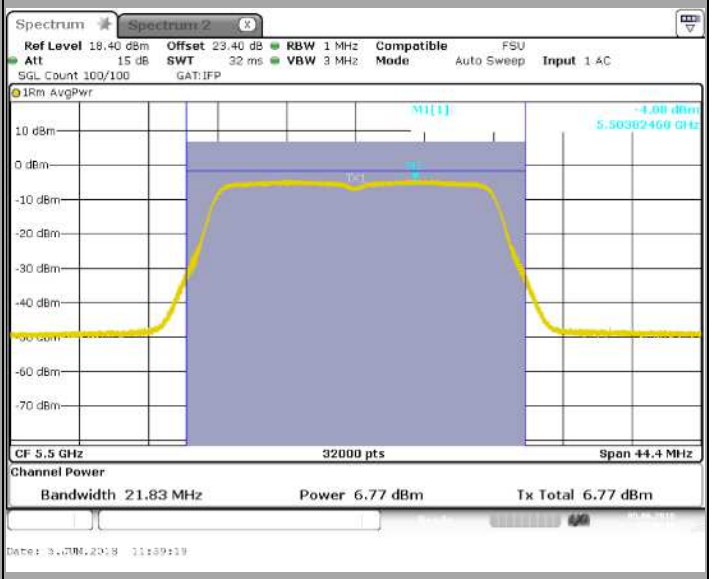

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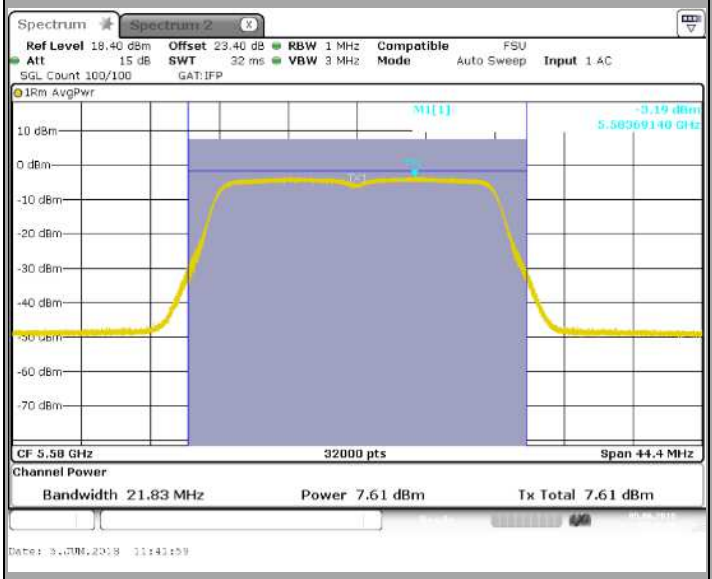	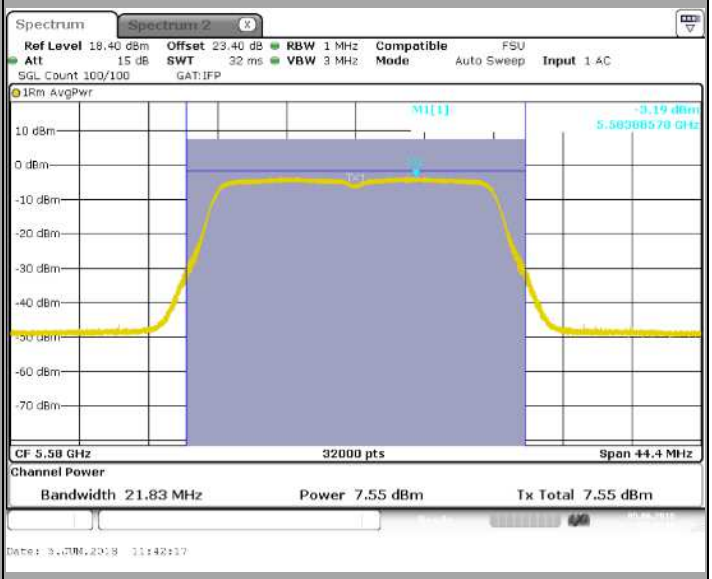
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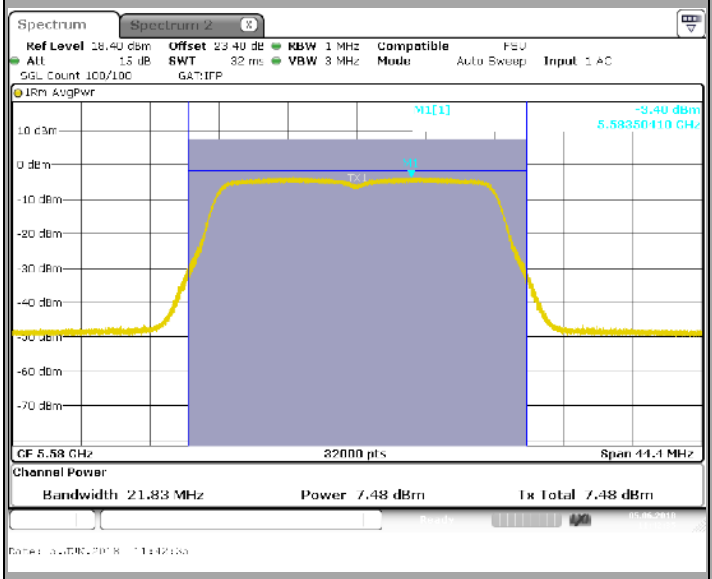	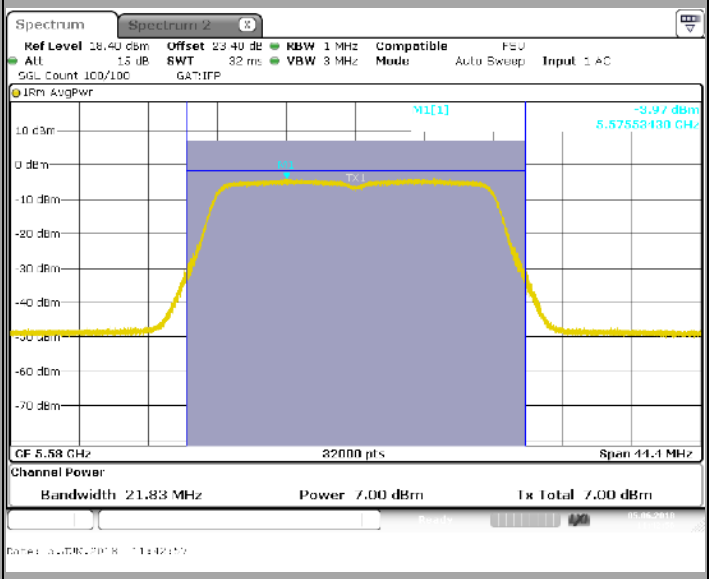

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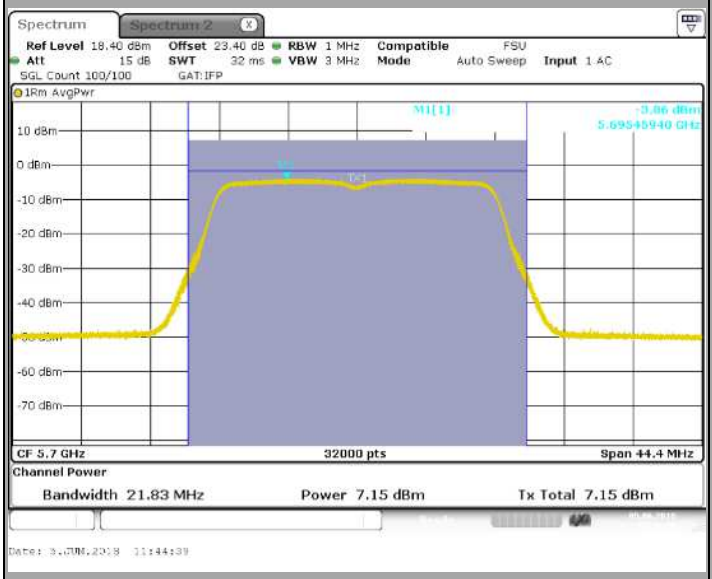	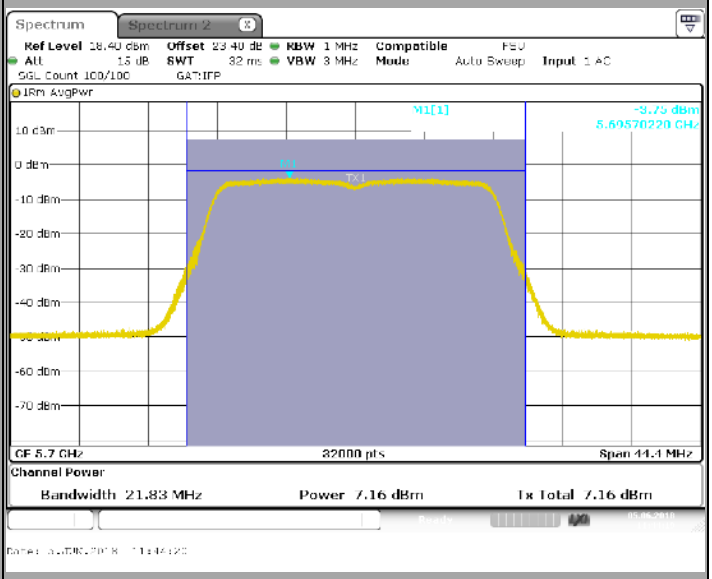
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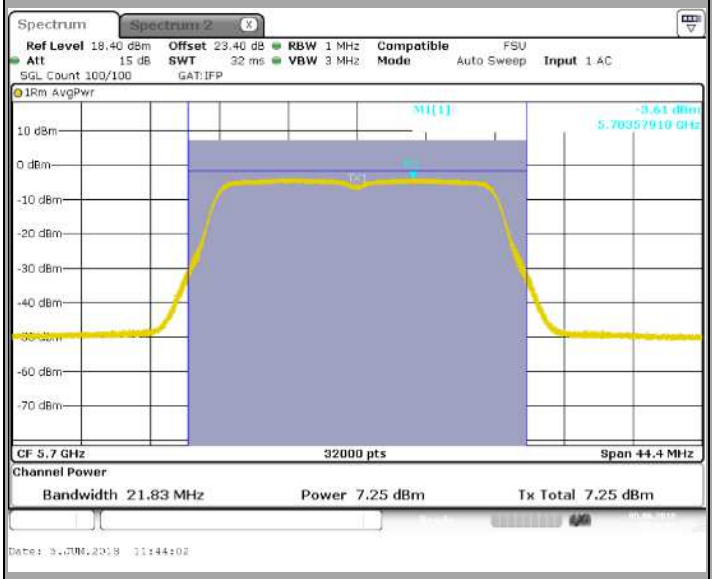	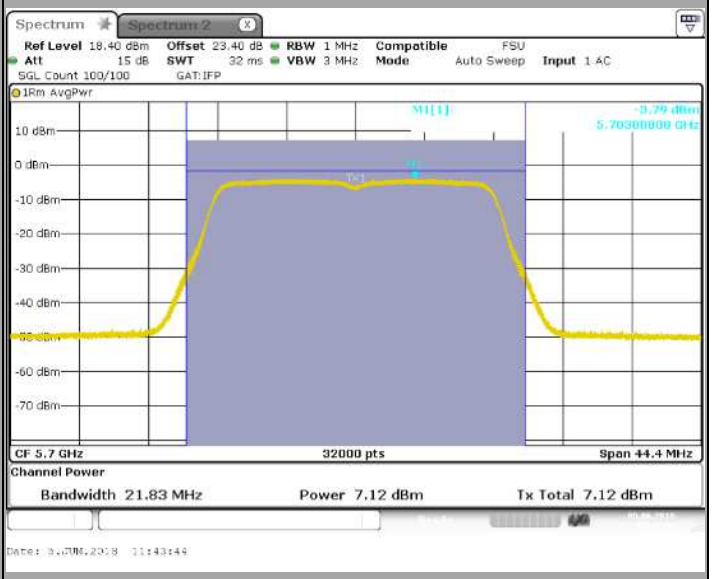

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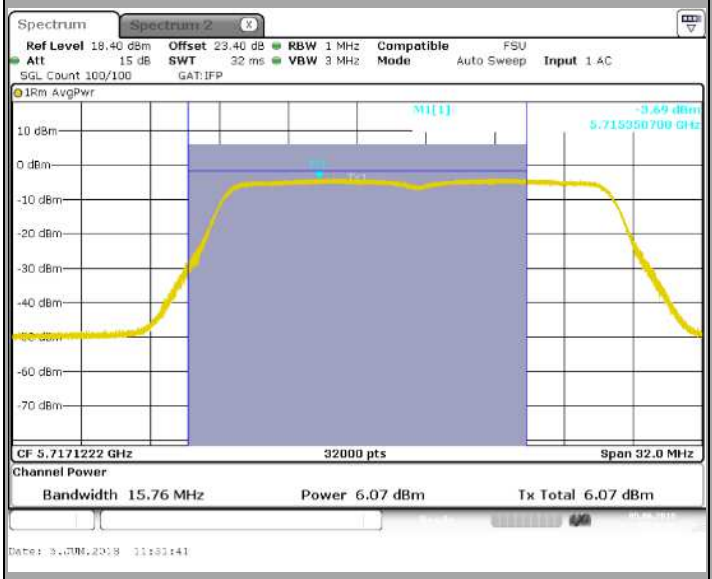	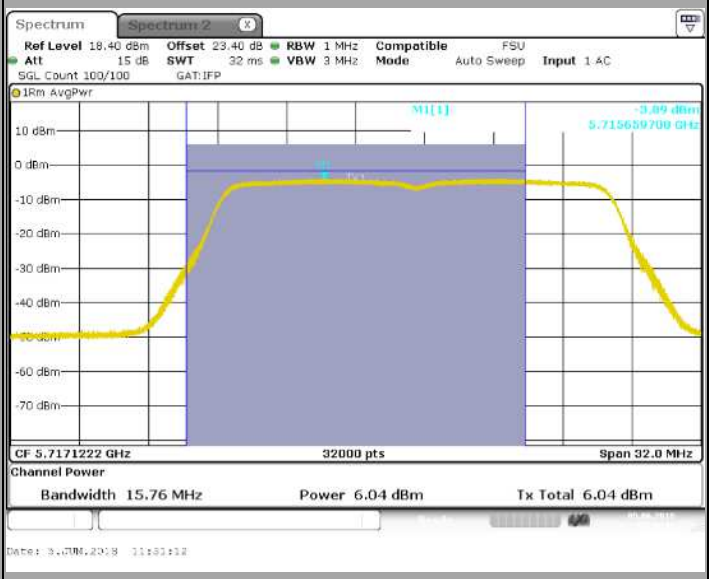
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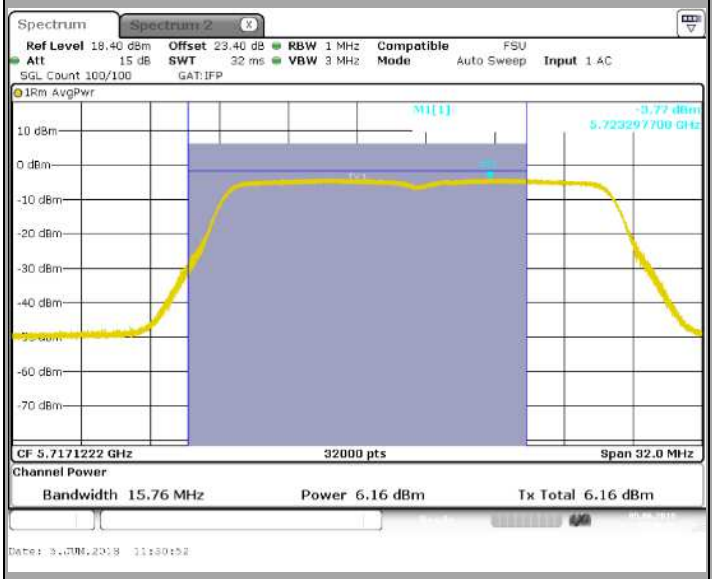	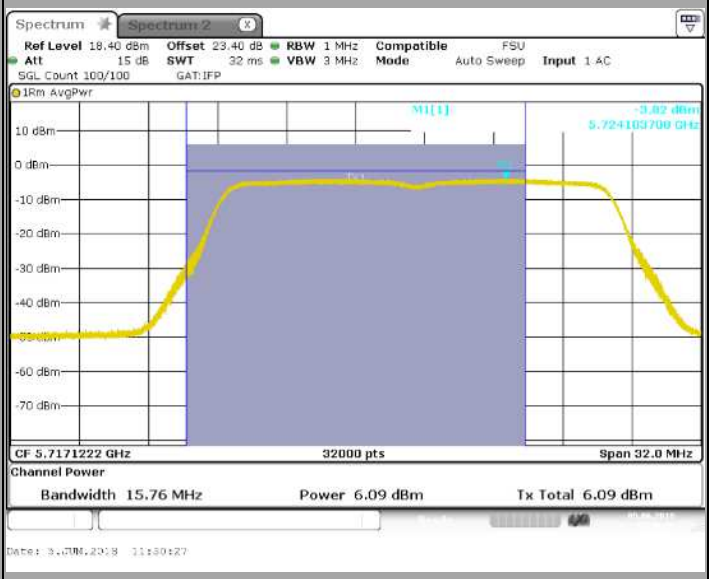

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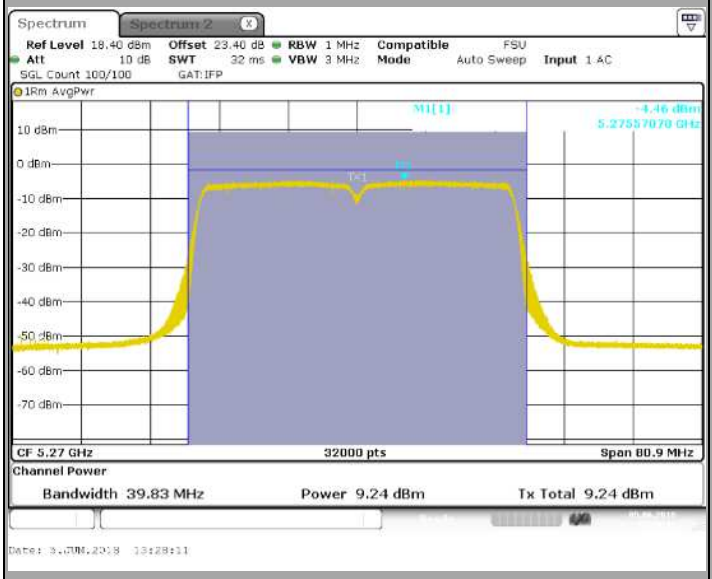	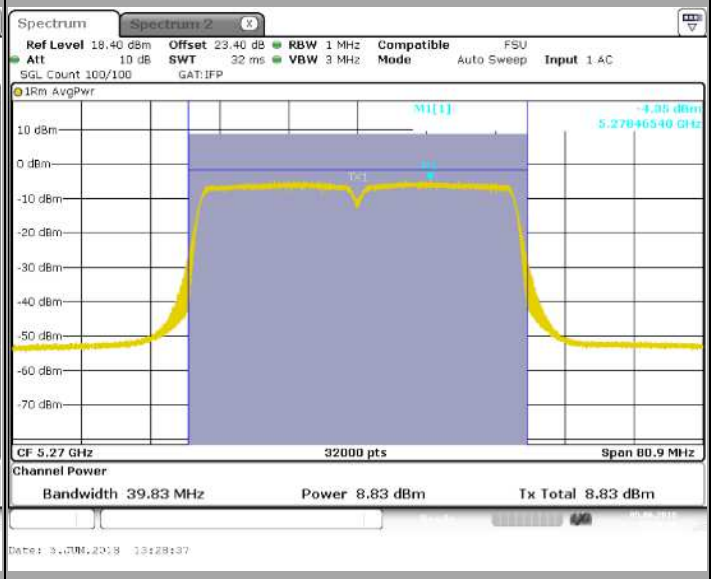
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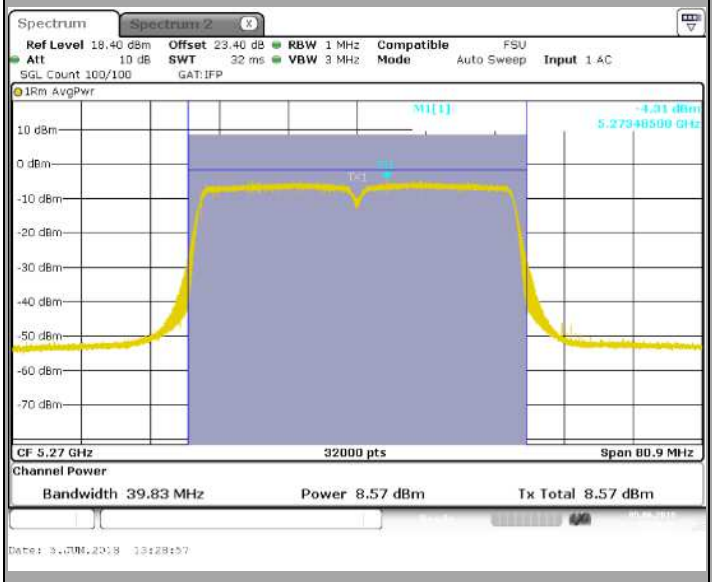	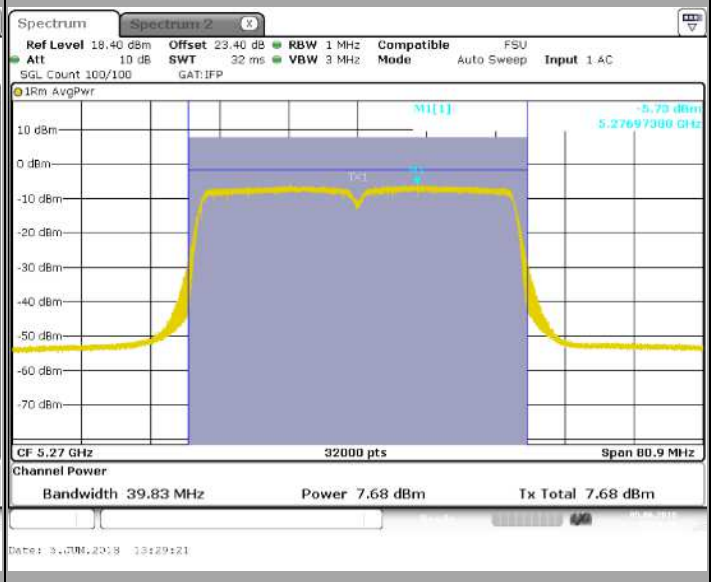

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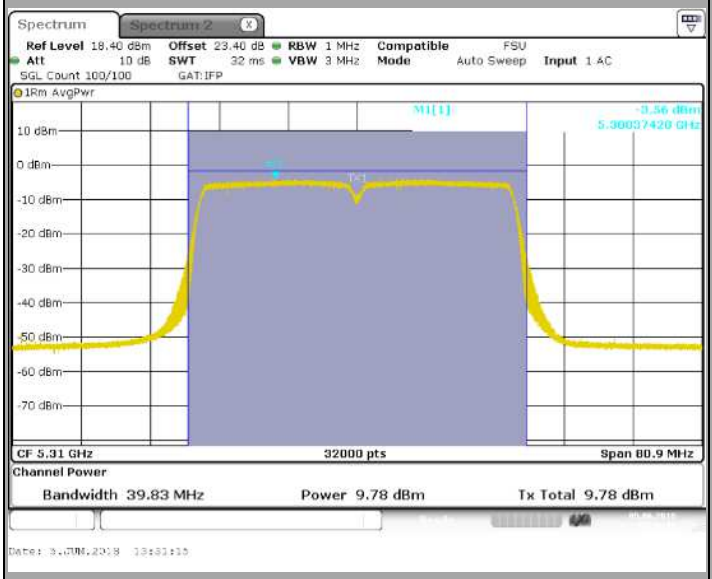	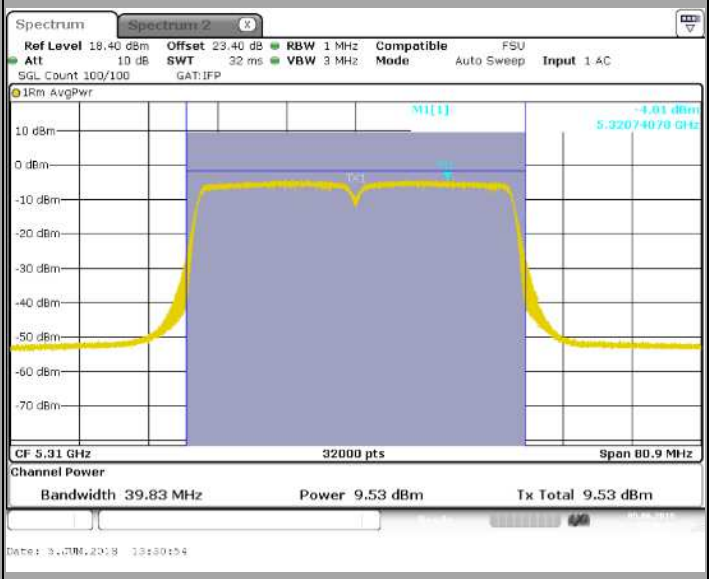
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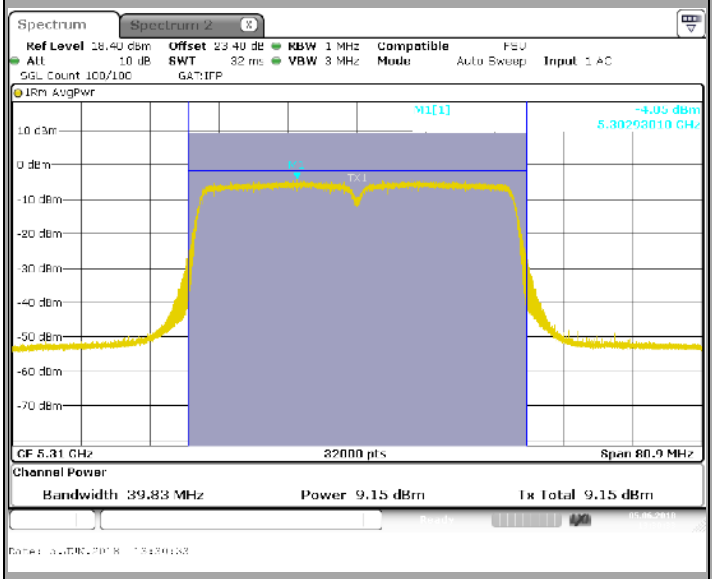
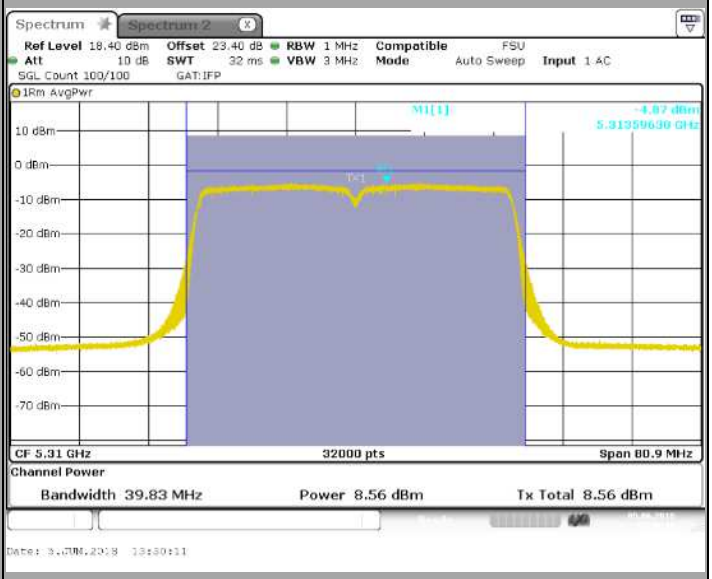
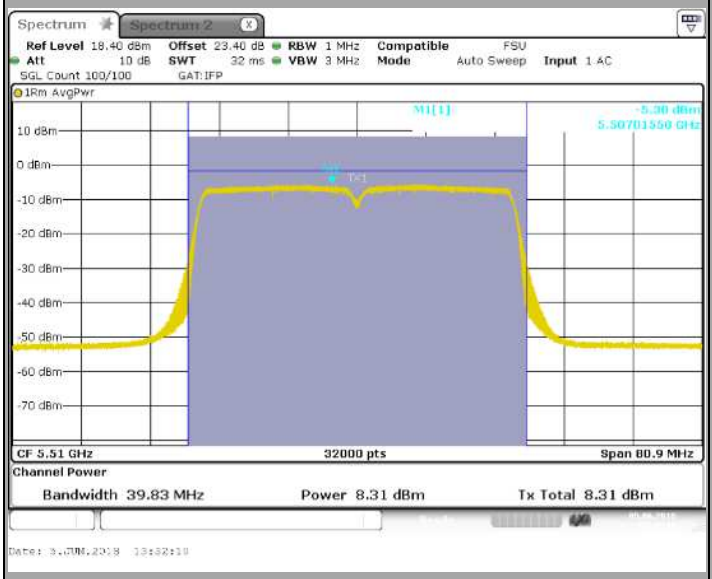
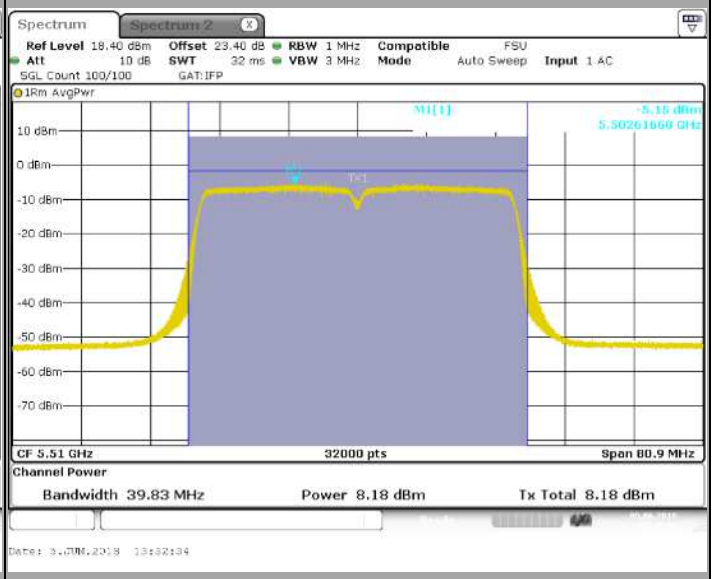
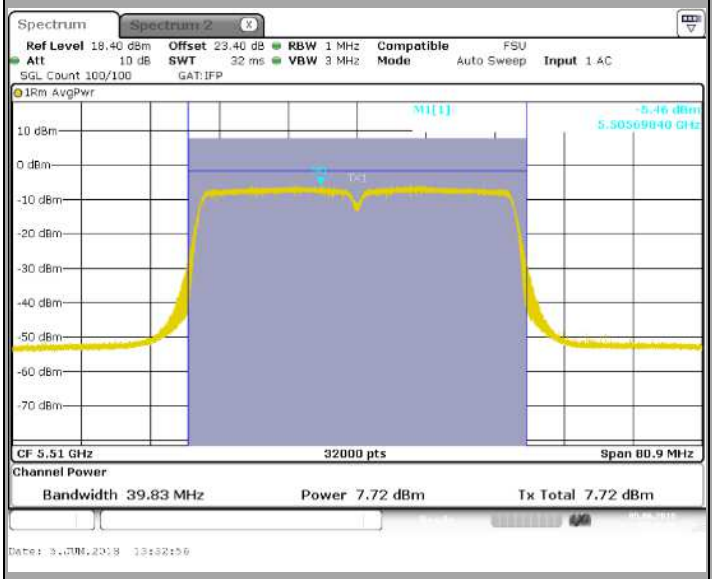
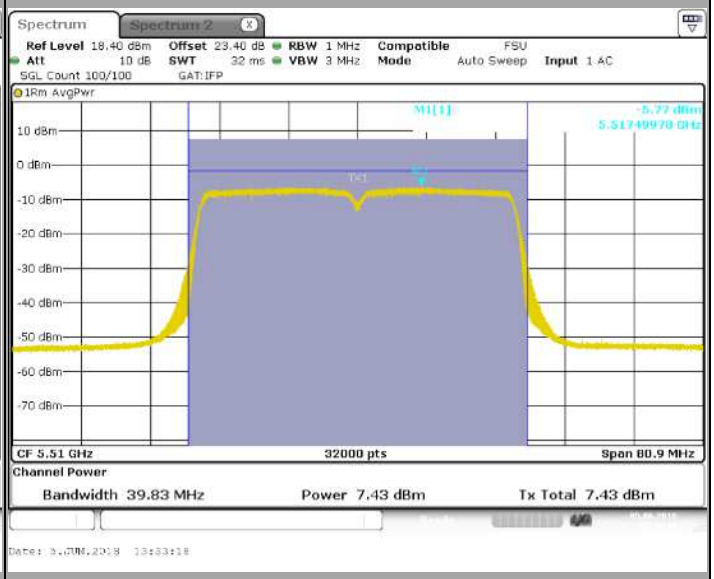
	

802.11n HT40/ac VHT40	
C18	
Tx1	Tx2
	
Tx3	Tx4
	

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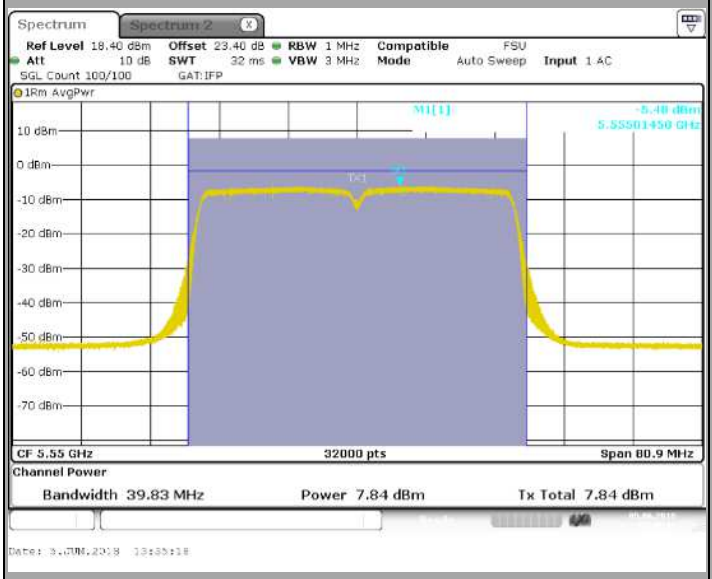
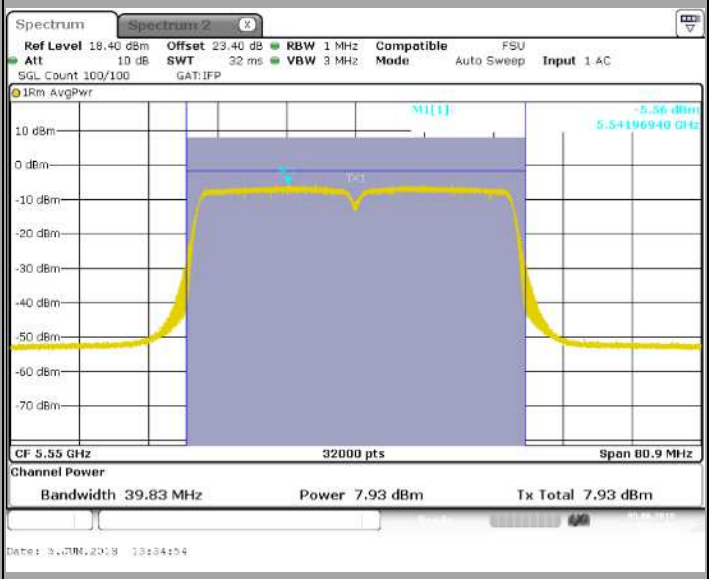
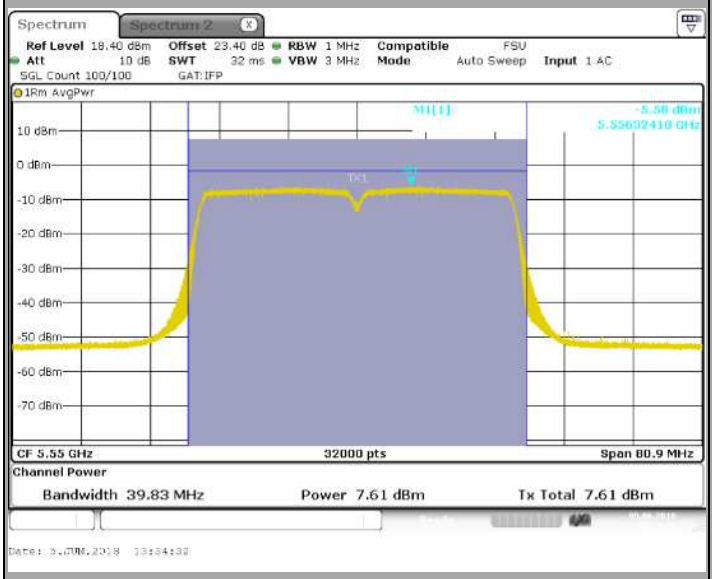
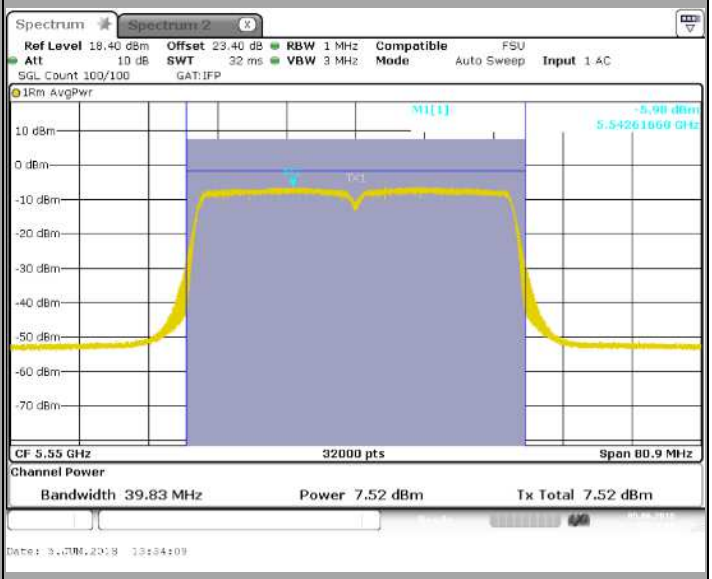
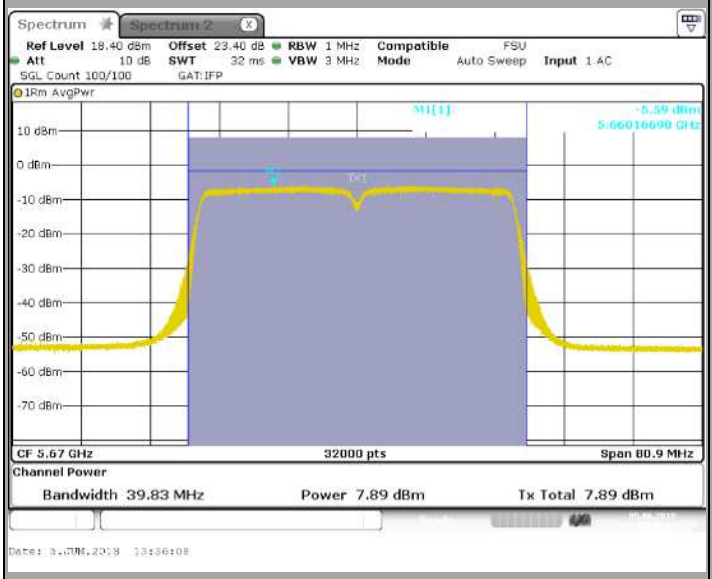
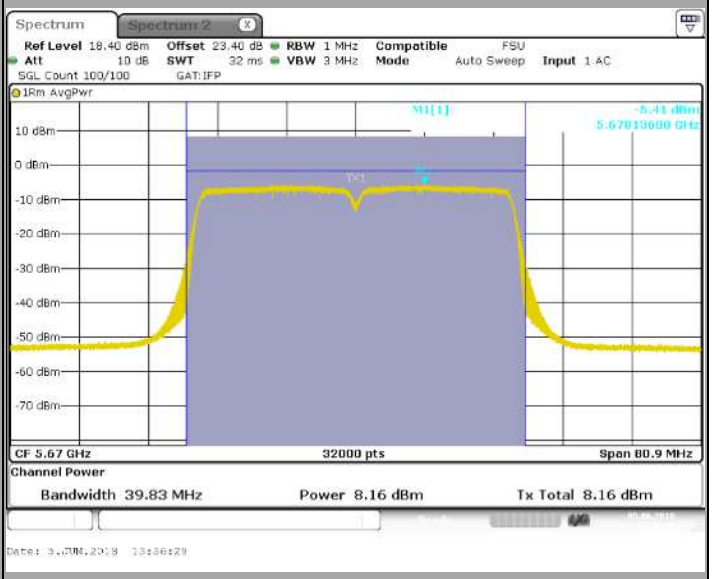
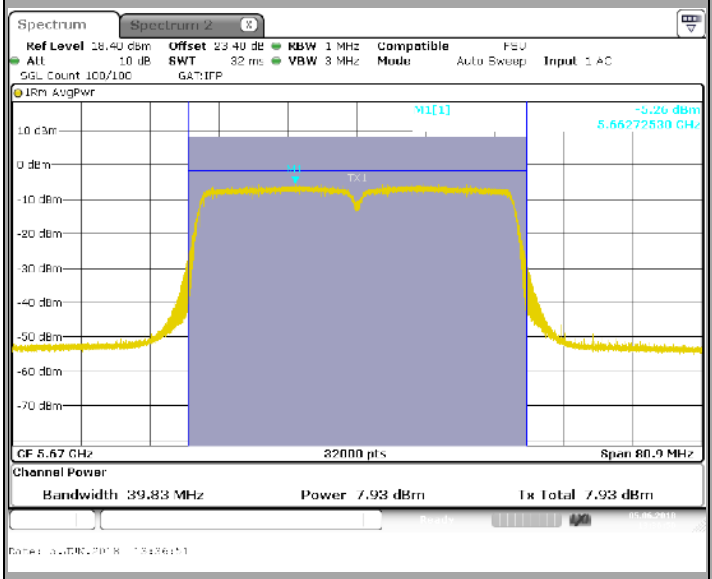
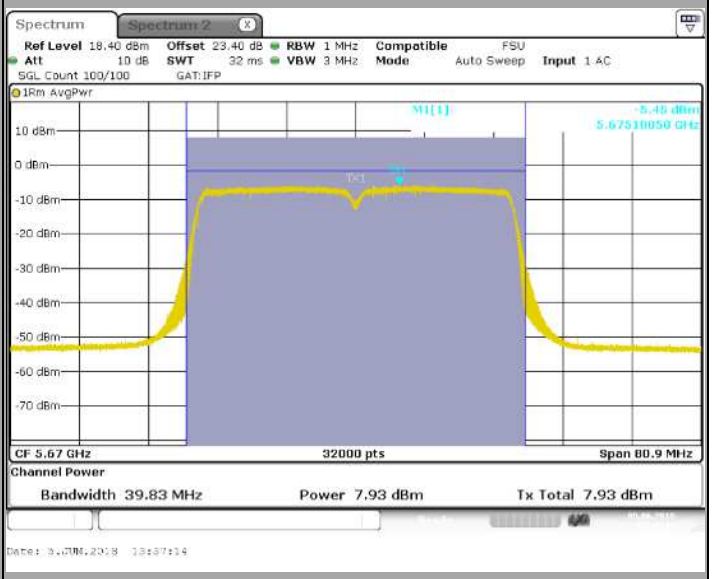
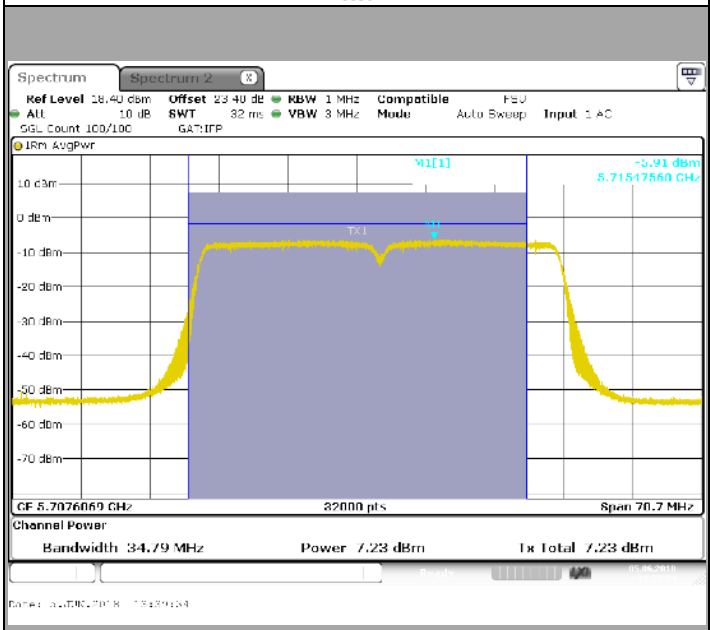
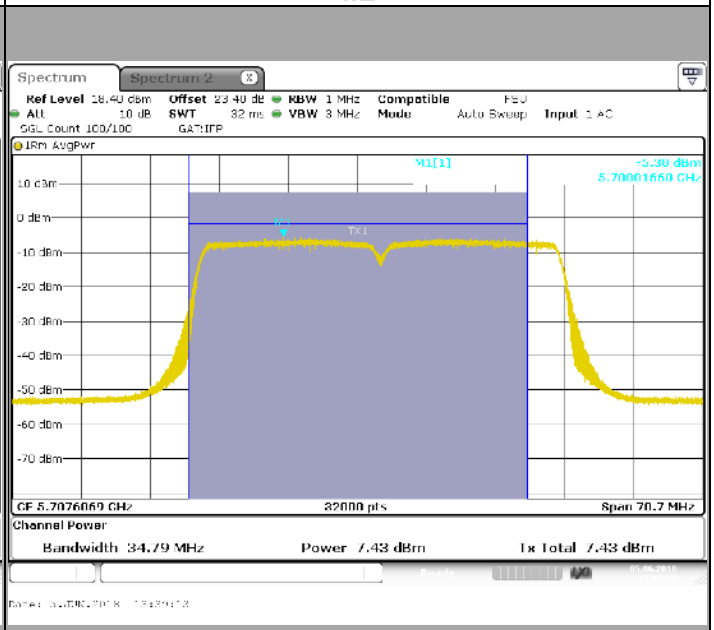
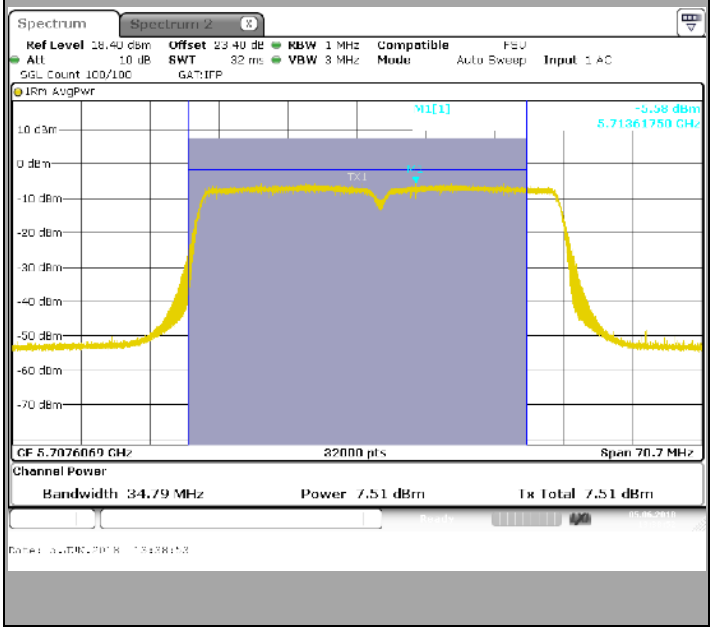
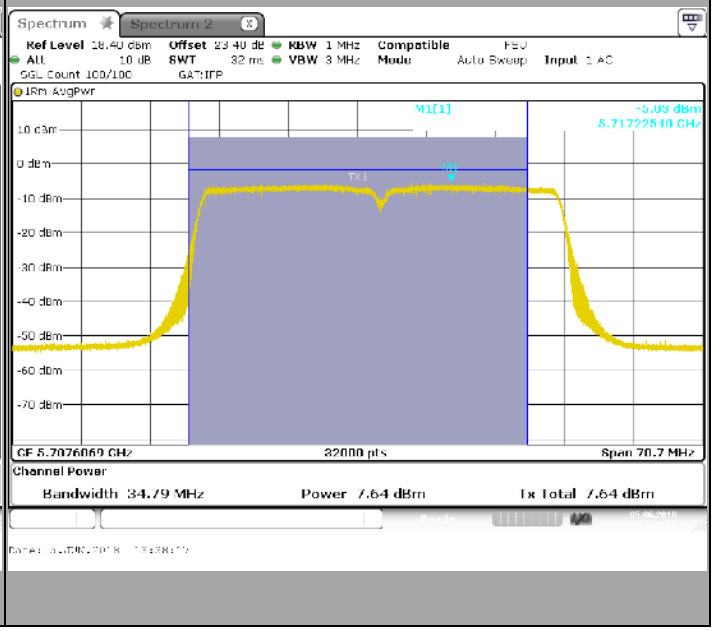
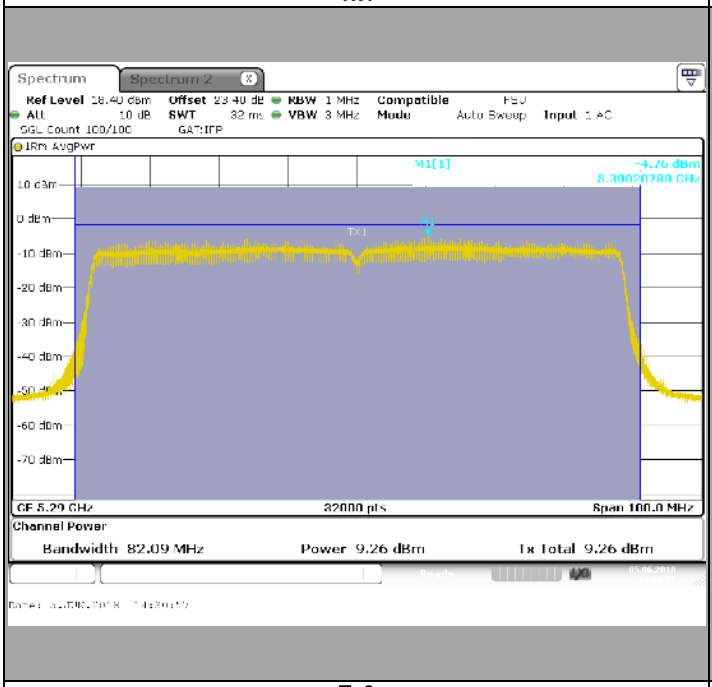
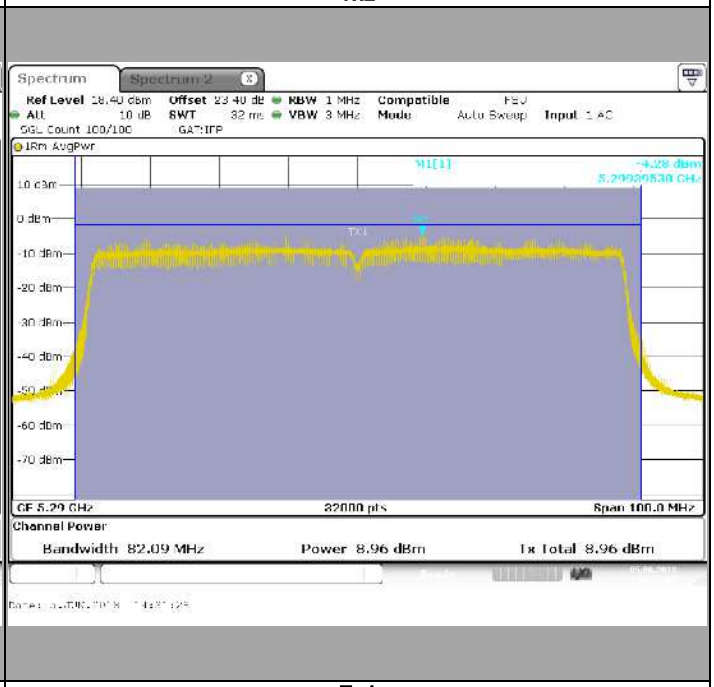
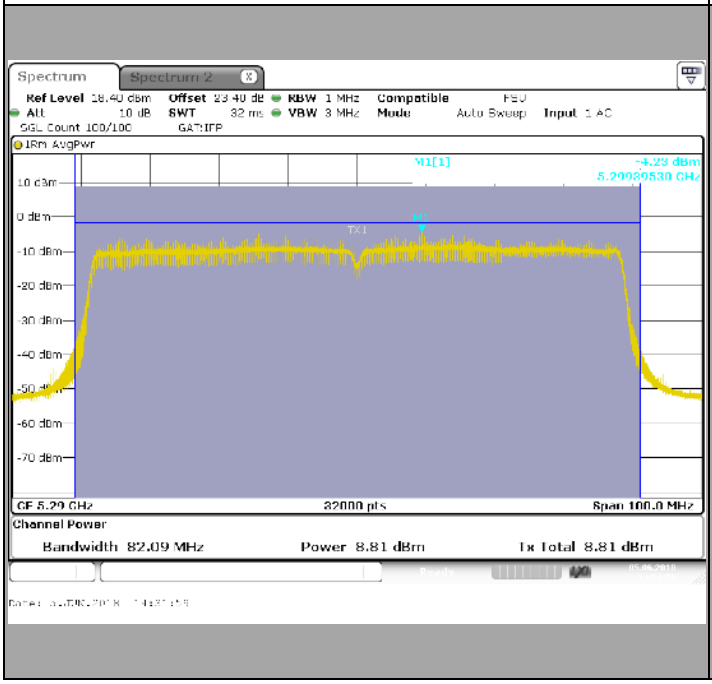
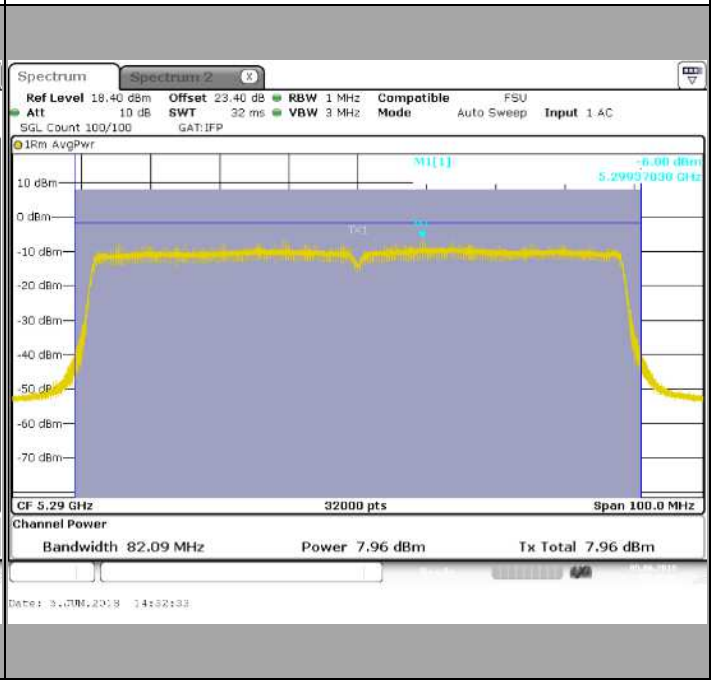
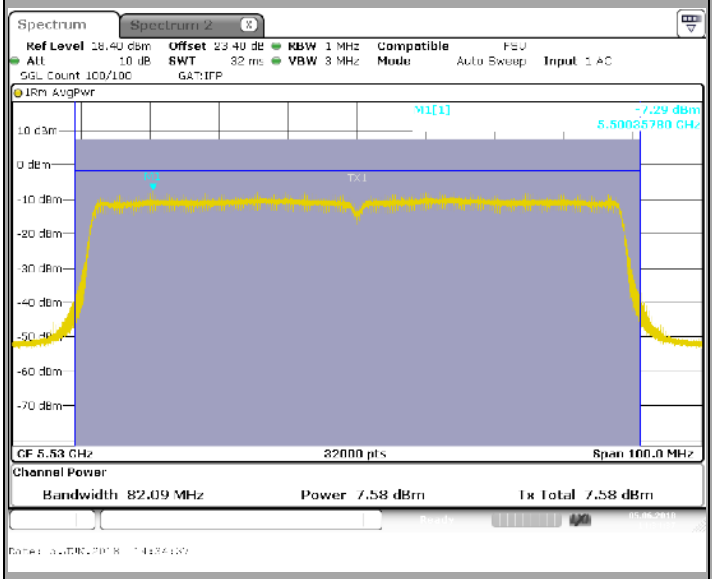
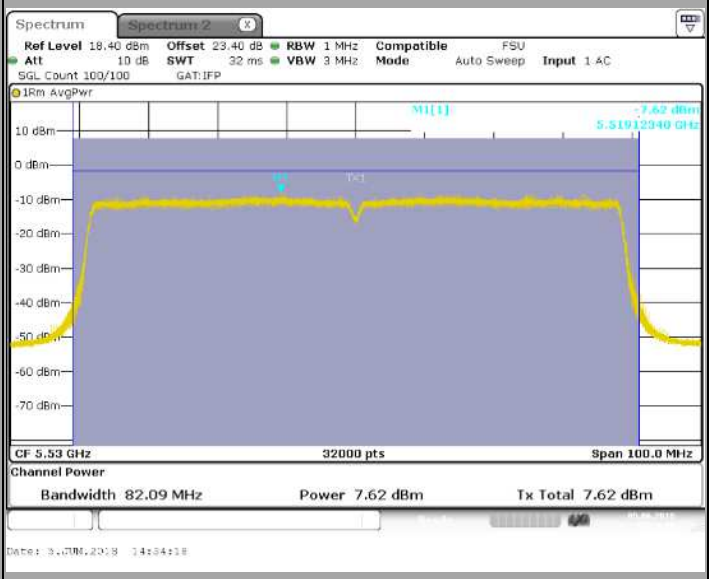
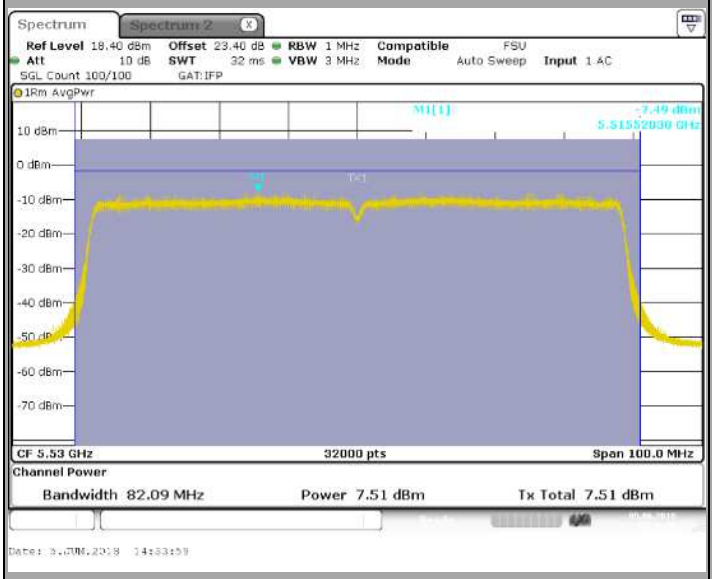
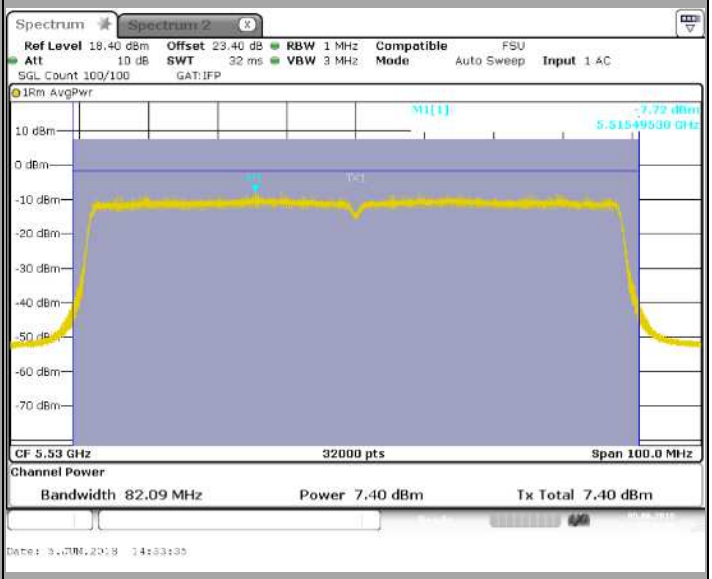
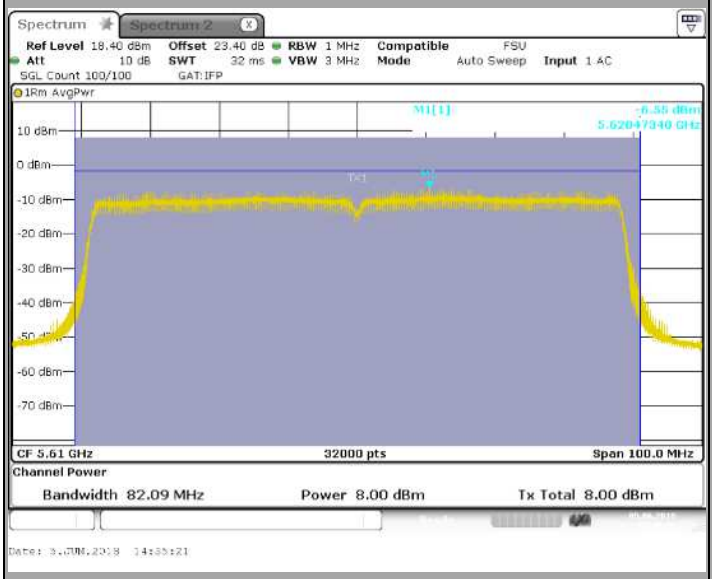
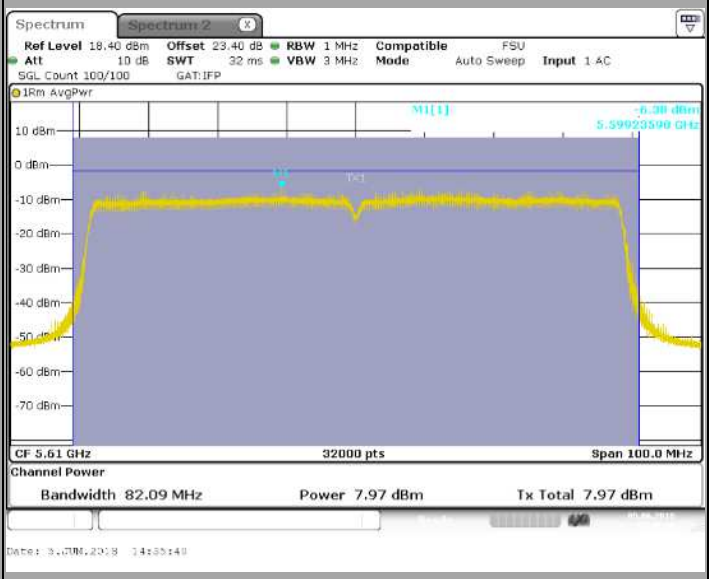
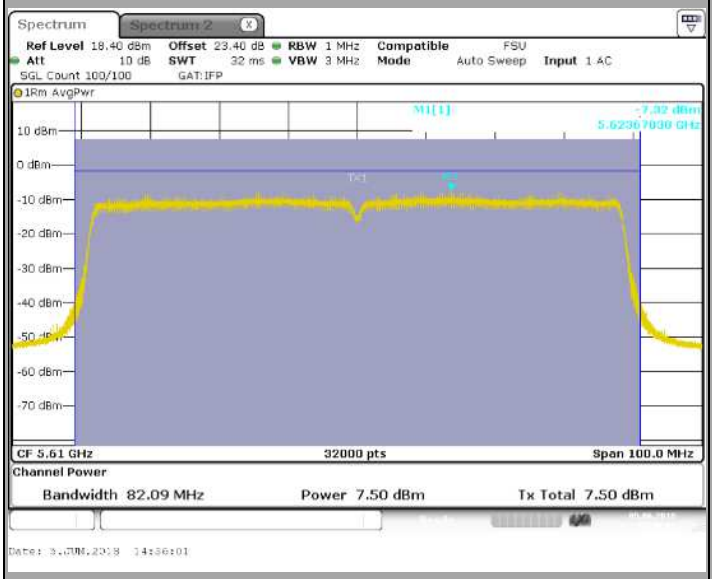
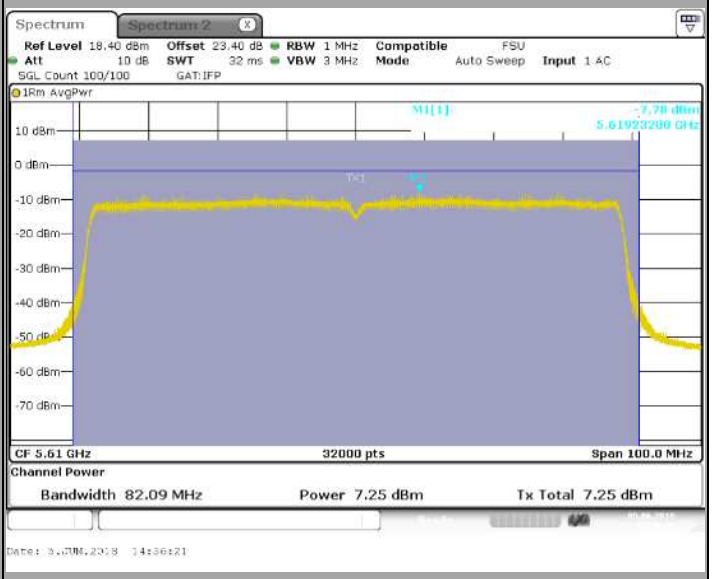
C19	
Tx1	Tx2
	
Tx3	Tx4
	

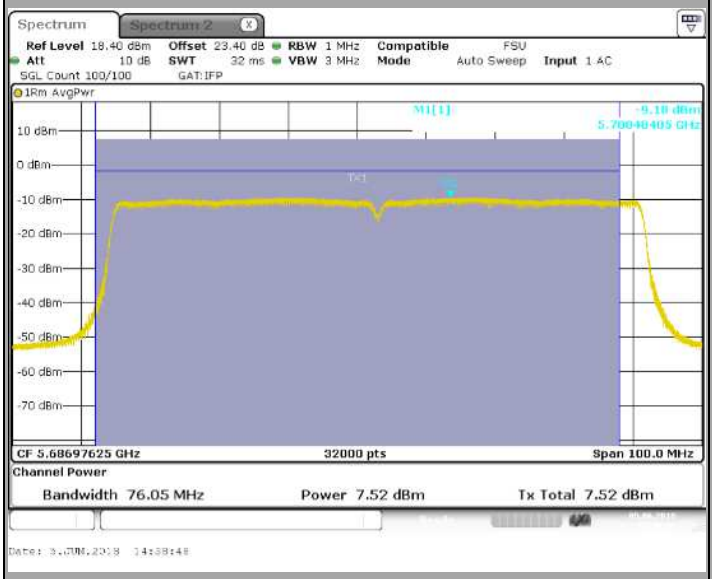
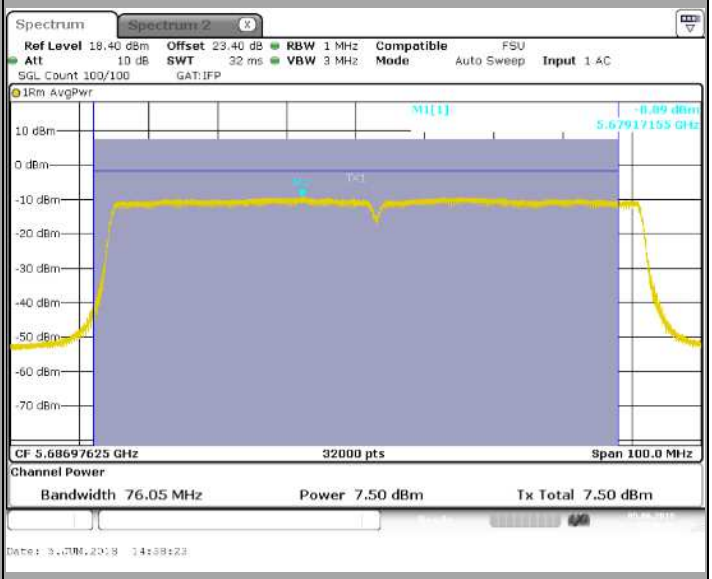
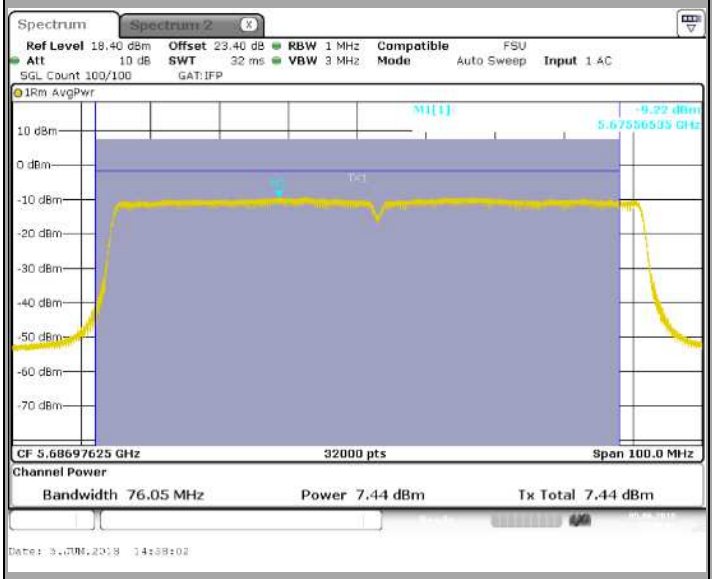
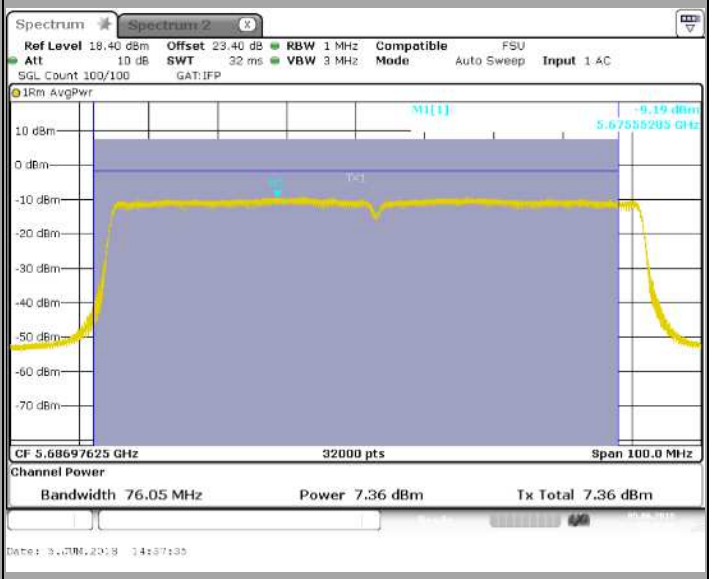
802.11n HT40/ac VHT40	
C20	
Tx1	Tx2
	
Tx3	Tx4
	

802.11n HT40/ac VHT40	
C21 Straddle 5470MHz-5725MHz	
Tx1	Tx2
	
Tx3	Tx4
	

802.11ac VHT80	
C25	
Tx1	Tx2
	
Tx3	Tx4
	

802.11ac VHT80	
C26	
Tx1	Tx2
	
Tx3	Tx4
	

802.11ac VHT80	
C27	
Tx1	Tx2
	
Tx3	Tx4
	

802.11ac VHT80	
C28 Straddle 5470MHz-5725MHz	
Tx1	Tx2
	
Tx3	Tx4
	

802.11a

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	TPC Min (dBm)	TPC Min Limit (dBm)
C4	8,29	8,06	7,77	7,1	13,8	7,6	21,4	24
C5	8,56	8,28	8,09	7,54	14,2	7,6	21,8	24
C6	8,53	8,11	7,94	7,25	14,0	7,6	21,6	24
C7	6,85	6,98	6,86	6,56	12,8	8,65	21,5	24
C8	7,56	7,61	7,53	7,01	13,5	8,65	22,1	24
C9	6,64	6,86	6,79	6,8	12,8	8,65	21,4	24
C10 Straddle 5470MHz-5725MHz	6,17	6,33	6,06	5,83	12,1	8,65	20,8	24

802.11n HT20/ac VHT20

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	TPC Min (dBm)	TPC Min Limit (dBm)
C4	8,73	8,31	8,11	7,38	14,2	7,6	21,8	24
C5	8,81	8,51	8,62	7,86	14,5	7,6	22,1	24
C6	8,86	8,5	8,25	7,61	14,3	7,6	21,9	24
C7	7,12	7,26	7,26	6,77	13,1	8,65	21,8	24
C8	7,61	7,55	7,48	7	13,4	8,65	22,1	24
C9	7,15	7,16	7,25	7,12	13,2	8,65	21,8	24
C10 Straddle 5470MHz-5725MHz	6,07	6,04	6,16	6,09	12,1	8,65	20,8	24

802.11n HT40/ac VHT40

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	TPC Min (dBm)	TPC Min Limit (dBm)
C16	9,24	8,83	8,57	7,68	14,6	7,6	22,2	24
C17	9,78	9,53	9,15	8,56	15,3	7,6	22,9	24
C18	8,31	8,18	7,72	7,43	13,9	8,65	22,6	24
C19	7,84	7,93	7,61	7,52	13,7	8,65	22,4	24
C20	7,89	8,16	7,93	7,93	14,0	8,65	22,6	24
C21 Straddle 5470MHz-5725MHz	7,23	7,43	7,51	7,64	13,5	8,65	22,1	24

802.11ac VHT80

Channel	Tx1 (dBm)	Tx2 (dBm)	Tx3 (dBm)	Tx4 (dBm)	TxAll (dBm)	AG (dBi)	TPC Min (dBm)	TPC Min Limit (dBm)
C25	9,26	8,96	8,81	7,96	14,8	7,6	22,4	24
C26	7,58	7,62	7,51	7,4	13,5	8,65	22,2	24
C27	8	7,97	7,5	7,25	13,7	8,65	22,4	24
C28 Straddle 5470MHz-5725MHz	7,52	7,5	7,44	7,36	13,5	8,65	22,1	24

9.6. CONCLUSION

Transmit Power Control measurement performed on the sample of the product **SAGEMCOM DCIWA384 UHD Alt US V2**, SN: **253764997**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407** limits.

10. AC POWER LINE CONDUCTED EMISSIONS

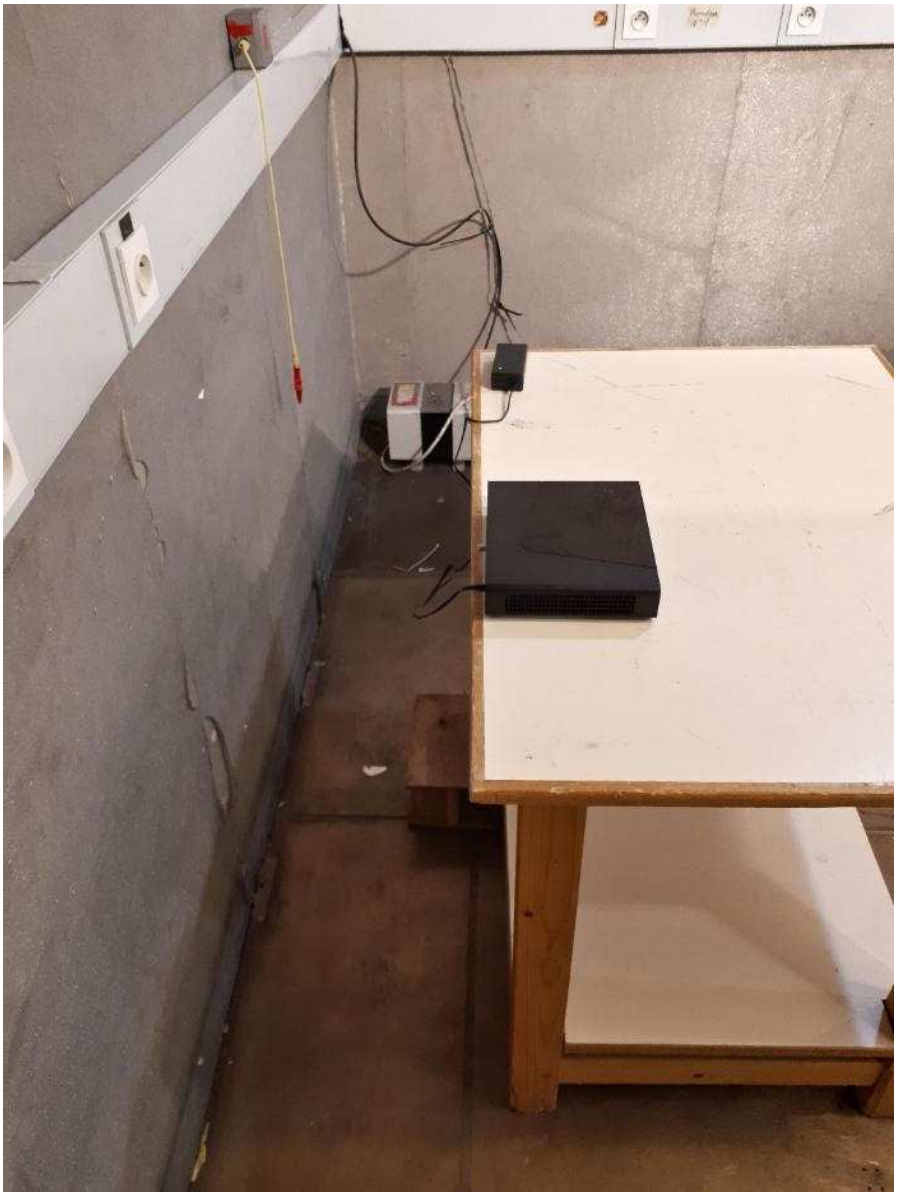
10.1. TEST CONDITIONS

Test performed by	: Laurent DENEUX
Date of test	: June 6, 2018
Ambient temperature	: 21 °C
Relative humidity	: 53 %

10.2. TEST SETUP

The product has been tested according to ANSI C63.10 (2013) 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.

Photograph for AC Power Line Conducted Emissions (Front view)



Photograph for AC Power Line Conducted Emissions (Rear 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

*Decreases with the logarithm of the frequency

10.4. TEST EQUIPMENT LIST

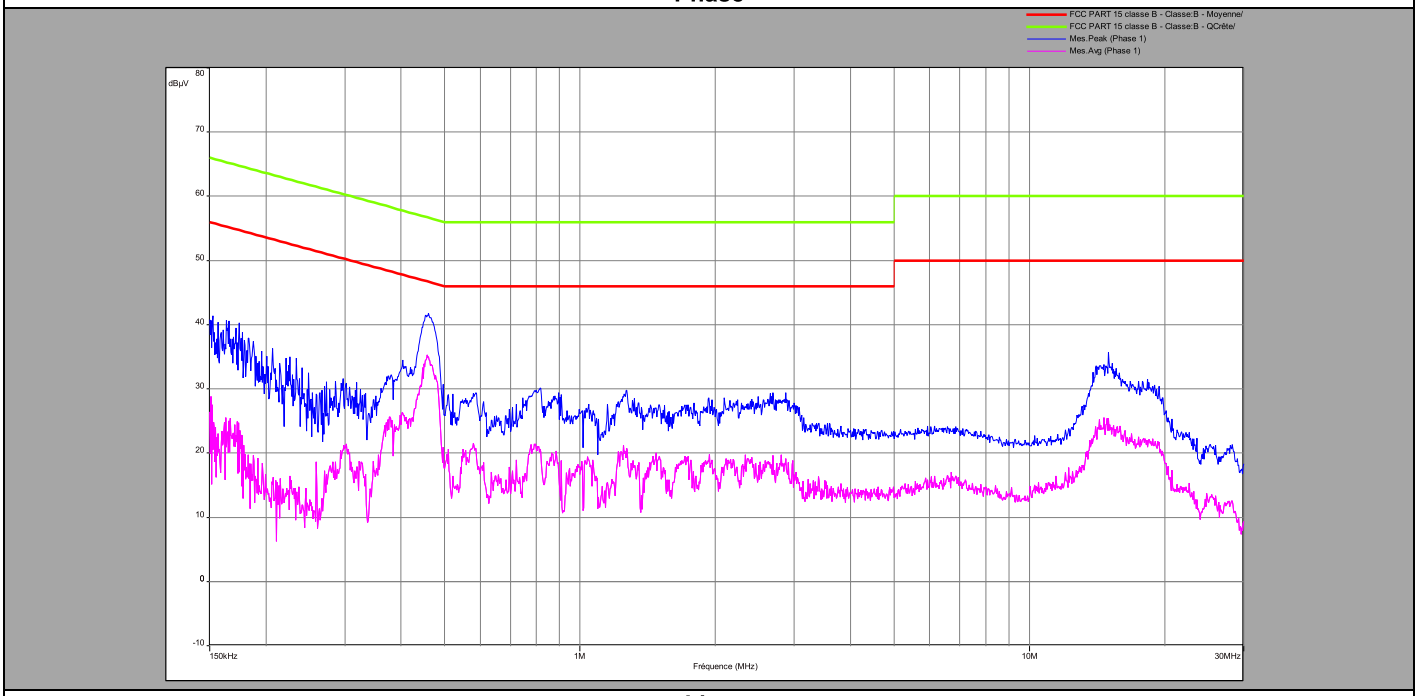
Test Equipment Used					
Description	**Manufacturer**	**Model**	**Identifier**	**Cal. Date**	**Cal. Due**
Receiver	RHODE & SCHWARZ	ESIB26	A2642021	2015/12	2018/12
V ISLN	ROHDE & SCHWARZ	ESH2-Z5	C2322001	2017/08	2018/08
Pulse limiter	ROHDE & SCHWARZ	ESH3-Z2	A2649008	2017/09	2018/09
Cable	-	-	A5329417	2017/10	2018/10
Cable	-	-	A5329589	2017/08	2018/08
Reference ground plan 2 x 3m	L.C.I.E.	-	-	-	-

10.5. DIVERGENCE, ADDITION OR SUPPRESSION ON THE TEST SPECIFICATION

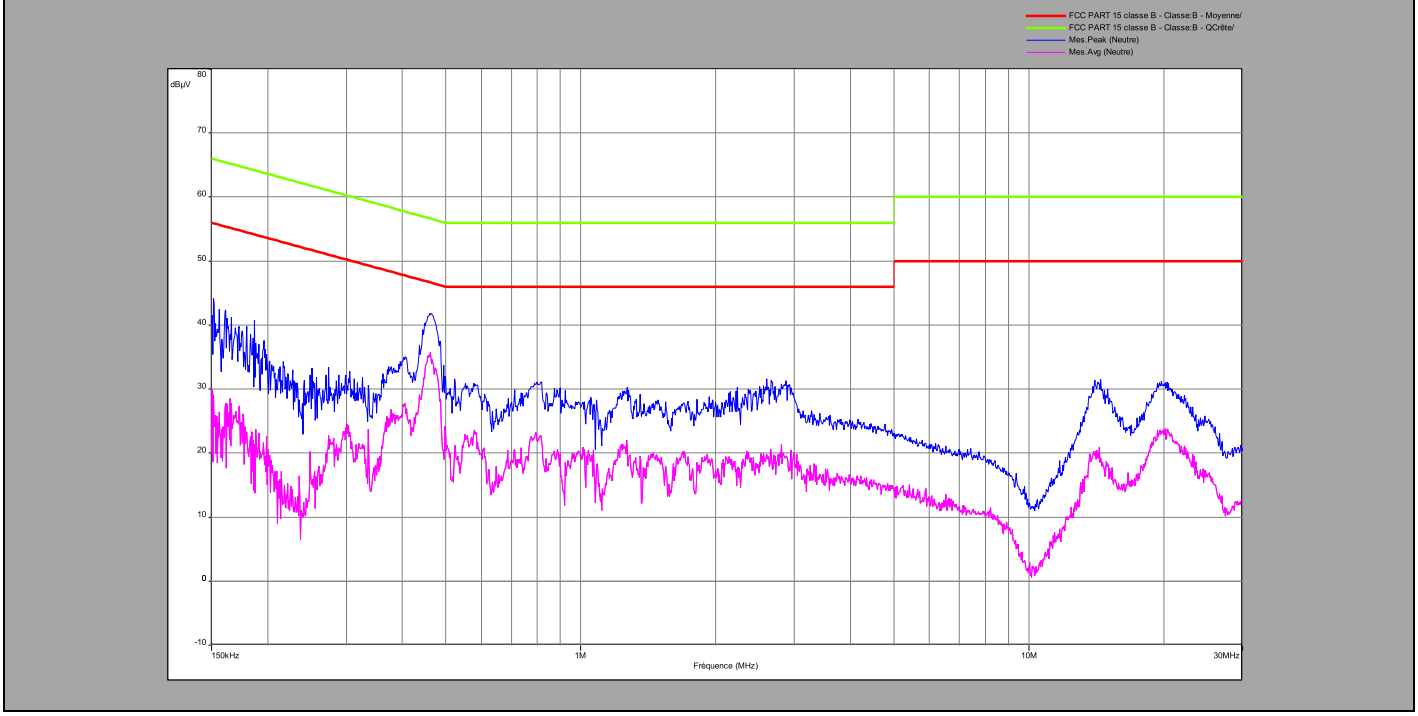
☑ None ☐ Divergence:

10.6. RESULTS

Mode
Channel
Phase



Line



Phase Line							
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)
0,152	40,2	-	65,8	25,6	27,6	55,8	28,2
0,457	41,4	-	56,7	15,3	35,3	46,7	11,4
1,268	29,8	-	56	26,2	21,3	46	24,7
2,684	29,4	-	56	26,6	19,6	46	26,4
15	35,6	-	60	24,4	25,4	50	24,6

Neutral Line							
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)
0,161	42,4	-	65,4	23	27,8	55,4	27,6
0,462	41,4	-	56,6	15,2	35,7	46,6	10,9
2,8	30,8	-	56	25,2	21,4	46	24,6
14	30,5	-	60	29,5	19,5	50	30,5
20,3	31,1	-	60	28,9	23,7	50	26,3

10.7. CONCLUSION

Ac Power Line Conducted Emission measurement performed on the sample of the product **SAGEMCOM DCIWA384 UHD Alt US V2** SN: **253764997** in configuration and description presented in this test report, show levels **compliant** to the 47 CFR PART 15.407 limits.

11. UNWANTED EMISSIONS & UNDESIRABLE EMISSION

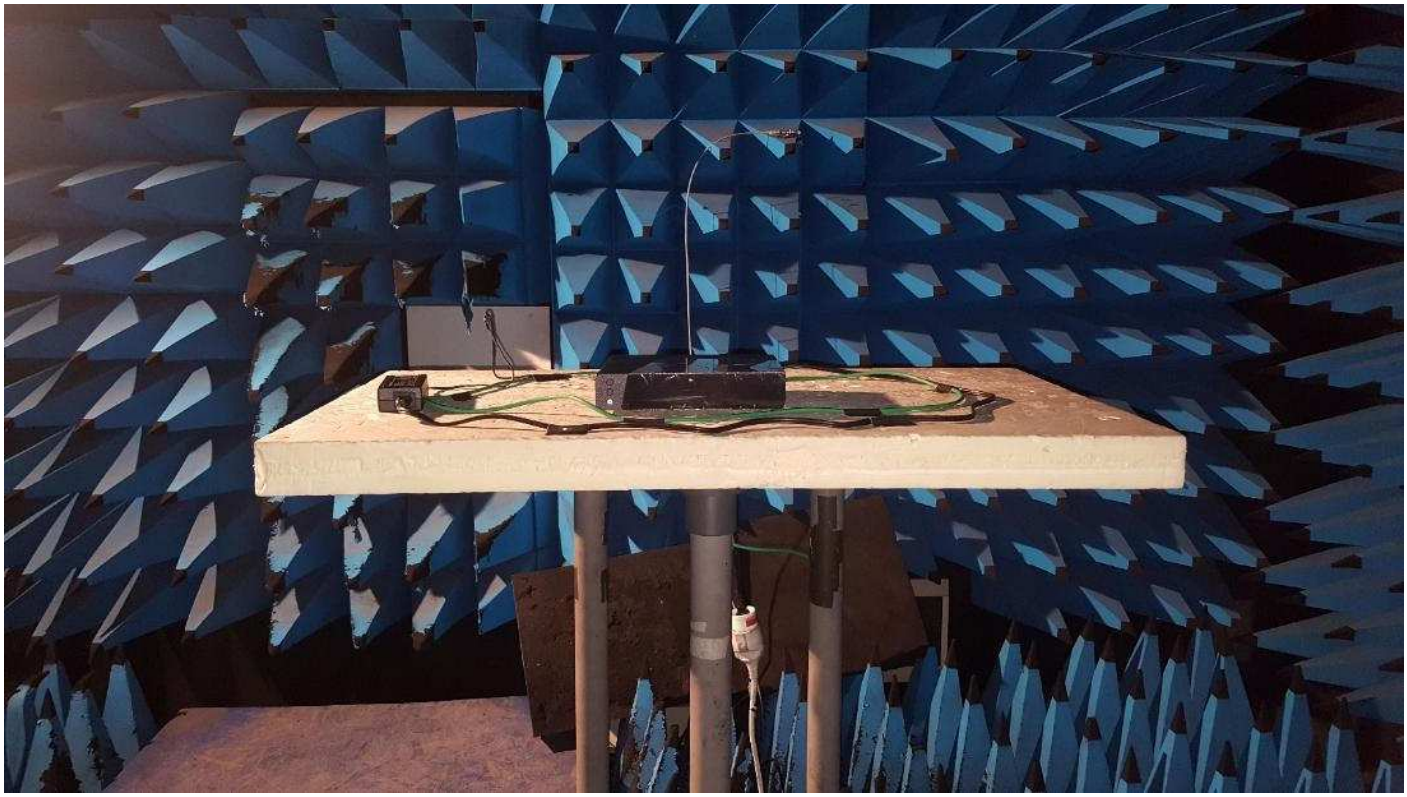
11.1. TEST CONDITIONS

Test performed by	: Armand MAHOUNGOU & Laurent DENEUX
Date of test	: May 16, 2018 to June 7, 2018
Ambient temperature	:20 to 28 °C
Relative humidity	: 43 to 49%

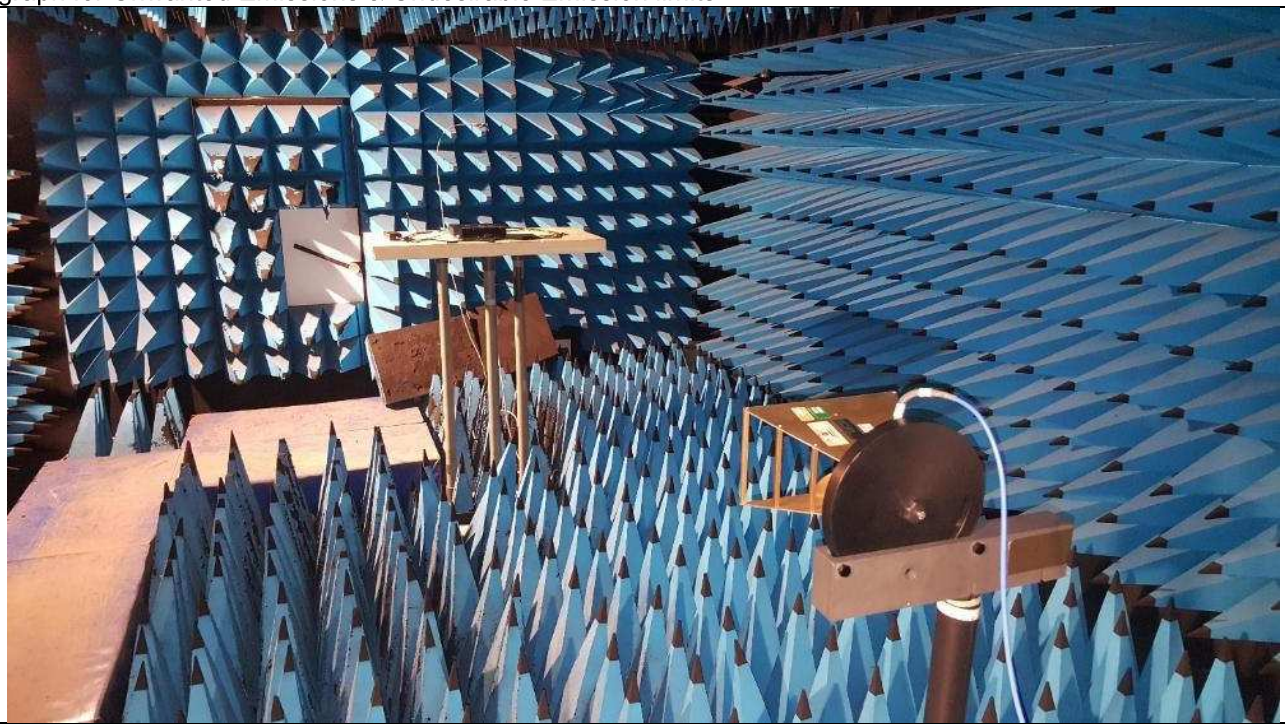
11.2. TEST SETUP

The product has been tested according to ANSI C63.10 (2013). The EUT is placed **on an open area test site** below 1GHz and **in a full anechoic chamber** above 1GHz. Distance between measuring antenna and the EUT is **10m** below 1GHz and **3m** above 1GHz and below 30MHz.
Test is performed in parallel, perpendicular and ground parallel axis with a loop antenna below 30MHz. Measurement bandwidth was 200Hz below 150kHz and 9kHz between 150kHz & 30MHz. The level has been maximised by the turntable rotation of 360 degrees range on the 3 axis of EUT. Antenna height was 1m.
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 v02r01.
The following factor is applied to convert E[dBµV/m] to EIRP[dBm]. EIRP[dBm]= E[dBµV/m] + 20 log (d[meters]) -104.77

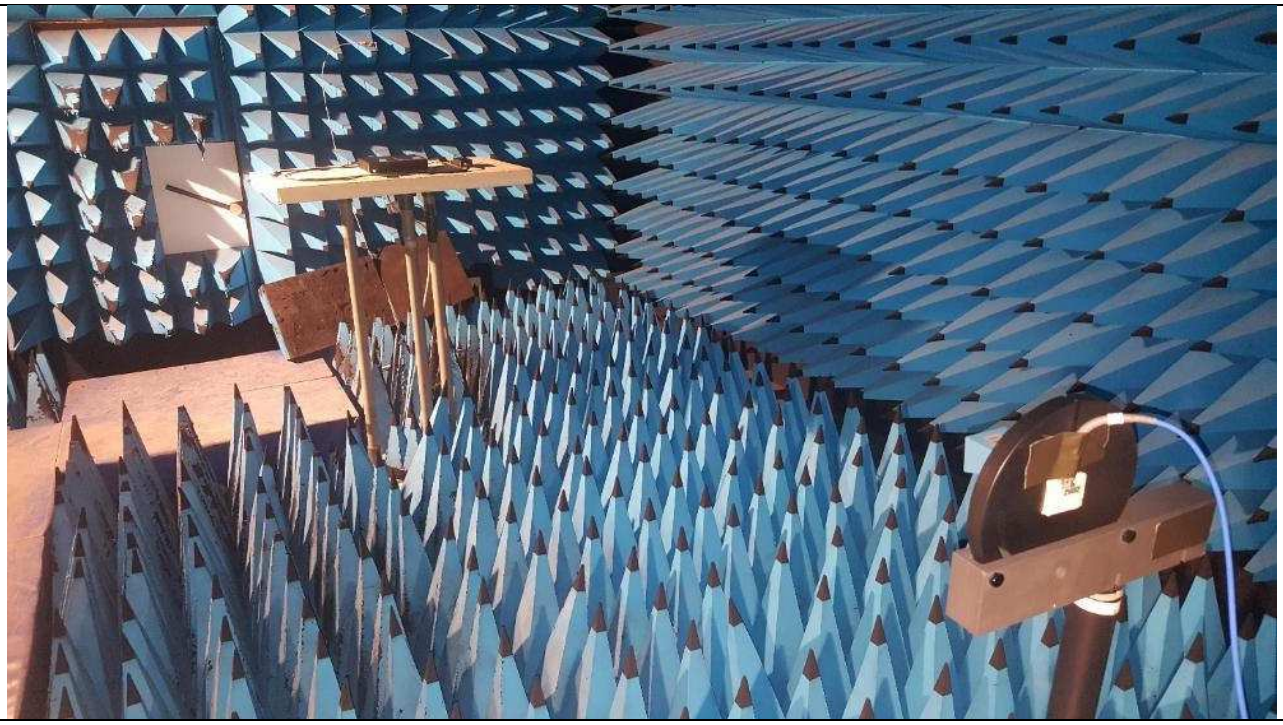
Photograph for Unwanted Emissions & Undesirable Emission limits



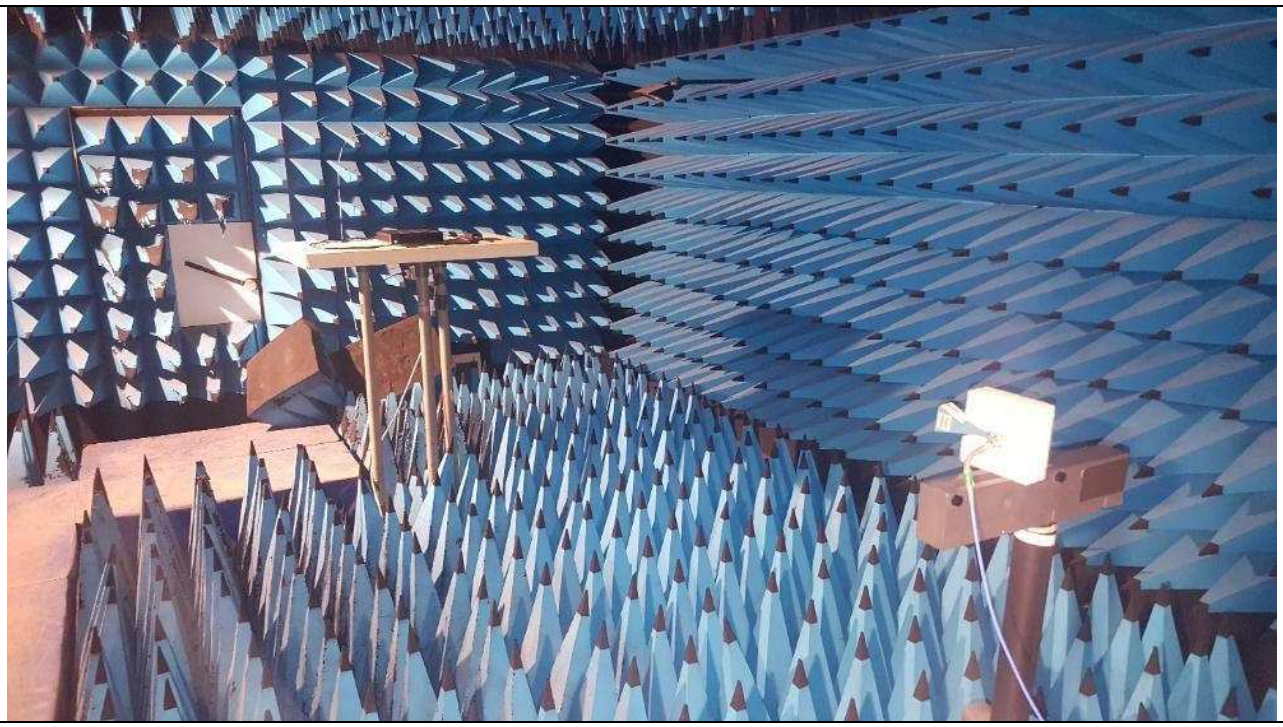
Photograph for Unwanted Emissions & Undesirable Emission limits



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 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 10m:
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	2018/06	2019/06
EMI Test Receiver	ROHDE & SCHWARZ	ESIB 26	A2642021	2016/12	2018/12
Bilog antenna	CHASE	CBL 6112A	C2040040	2018/04	2019/04
Cable	-	-	A5329449	2017/09	2018/09
Cable	-	-	A5329380	2017/09	2018/09
Cable	-	-	A5329444	2017/09	2018/09
Full anachoic chamber	SIEPEL	-	D3044019	2014/10	2018/10
Preamplifier	LCIE	LCIE-ALB-001	A7080073	2016/08	2018/08
Horn antenna	AH SYSTEMS	SAS 571	C2042041	2017/09	2018/09
Horn antenna (18-26,5GHz)	PASTERNACK	PE9852/2F-20	C2042048	2017/12	2019/12
Horn antenna	A-infoMW	Broadband 1-18	C2042056	2017/07	2018/07
Filter	MICRO-TRONICS	HPS17421	A7484059	2017/09	2018/09
EMI receiver	ROHDE & SCHWARZ	ESI40 1088 740K40	A2642010	2016/07	2018/07
Cable S36 chamber	TELEDYNE	084-0505-1MTR	A5329757	2018/03	2019/03
Cable S36 chamber	TELEDYNE	084-0555-1.5MTR	A5329759	2018/03	2019/03
Cable S36 chamber	TELEDYNE	084-0555-3MTR	A5329760	2018/03	2019/03
Loop antenna	SCHWARZBECK	FMZB1513	C2040209	2018/03	2020/03

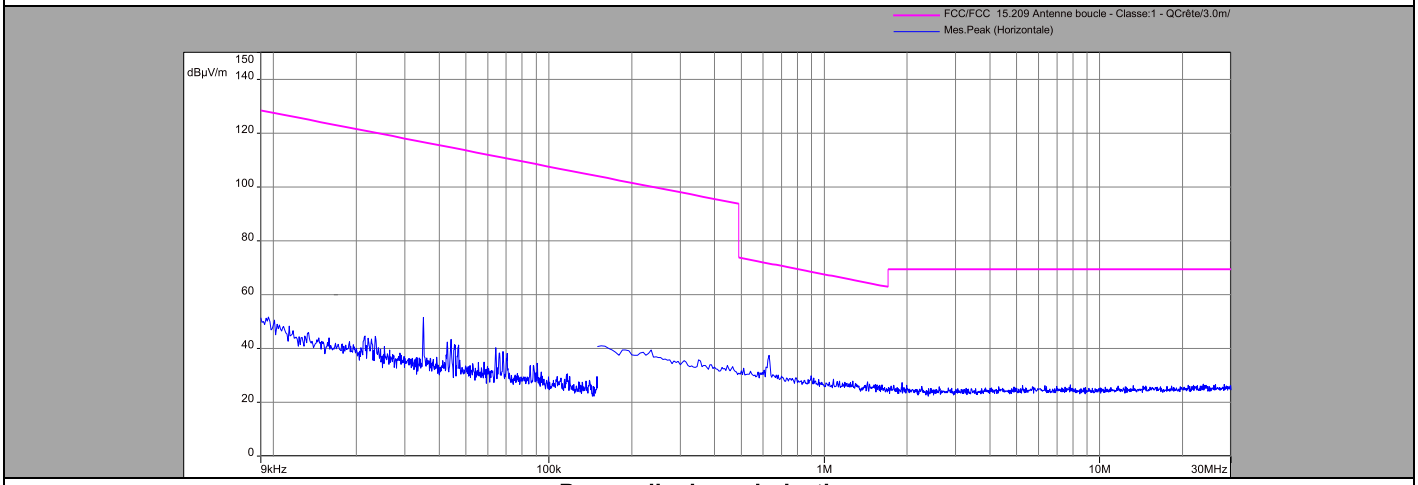
Note: In our quality system, the test equipment calibration due is more & less 2 months

11.5. DIVERGENCE, ADDITION OR SUPPRESSION ON THE TEST SPECIFICATION

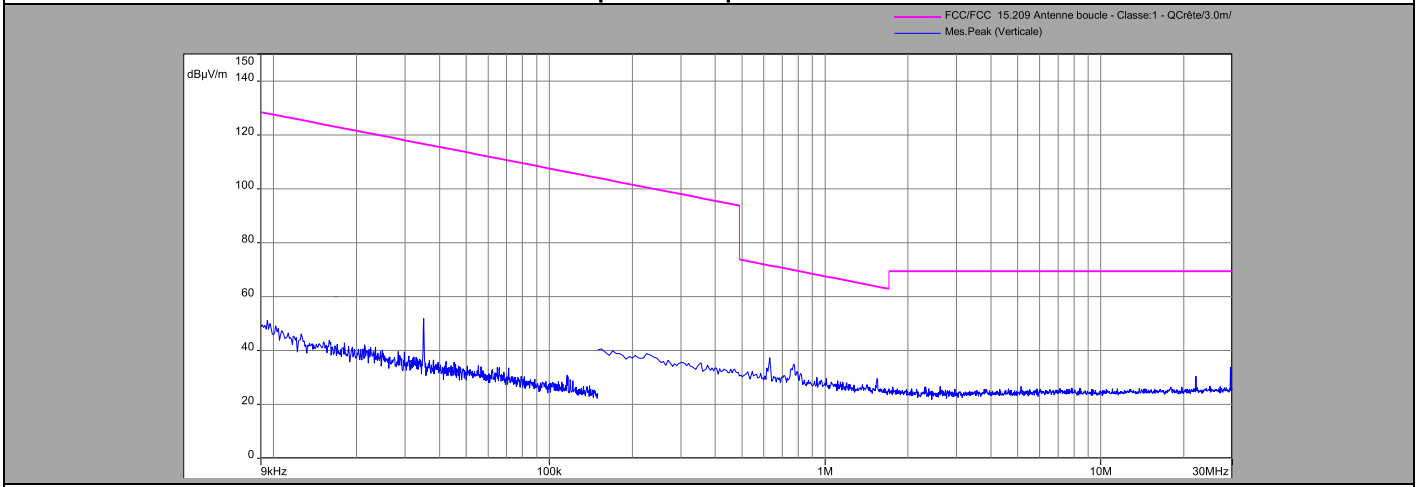
☑ None ☐ Divergence:

11.6. RESULTS

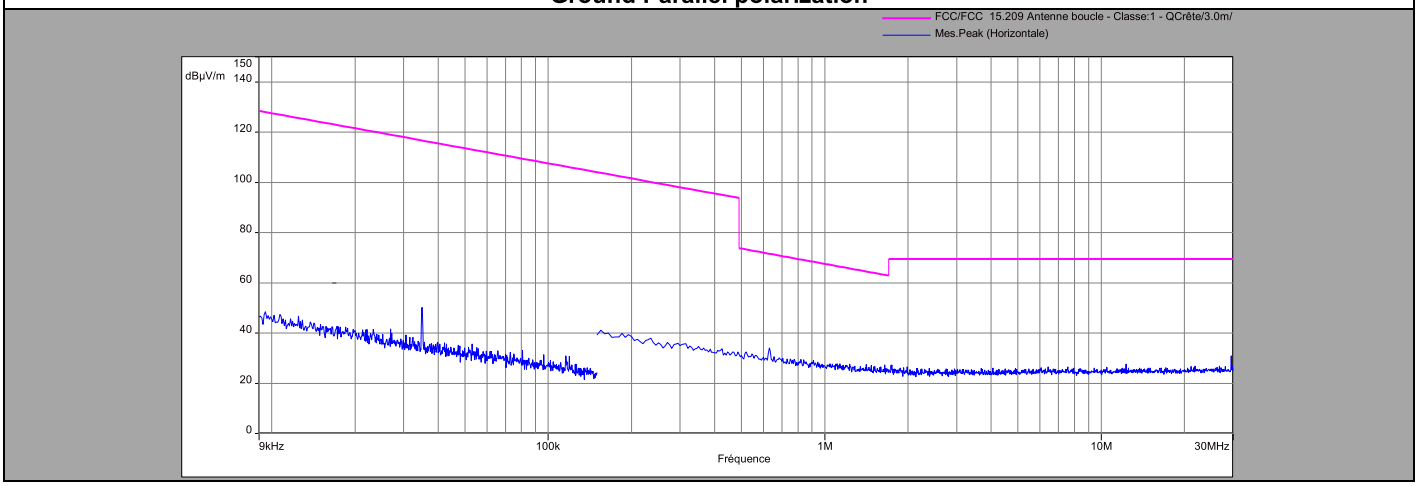
9kHz – 30 MHz
Cmin
Parallel Polarization



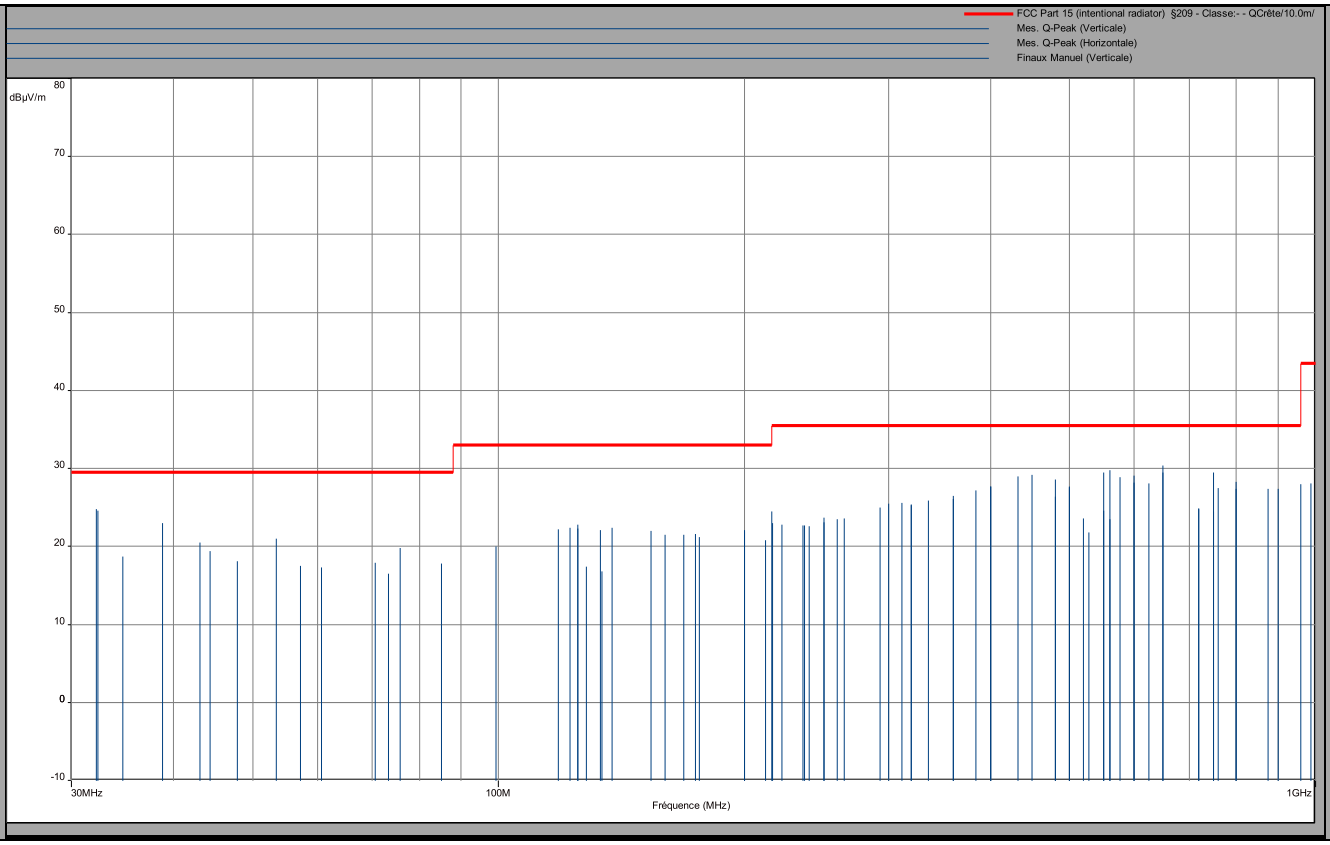
Perpendicular polarization



Ground Parallel polarization



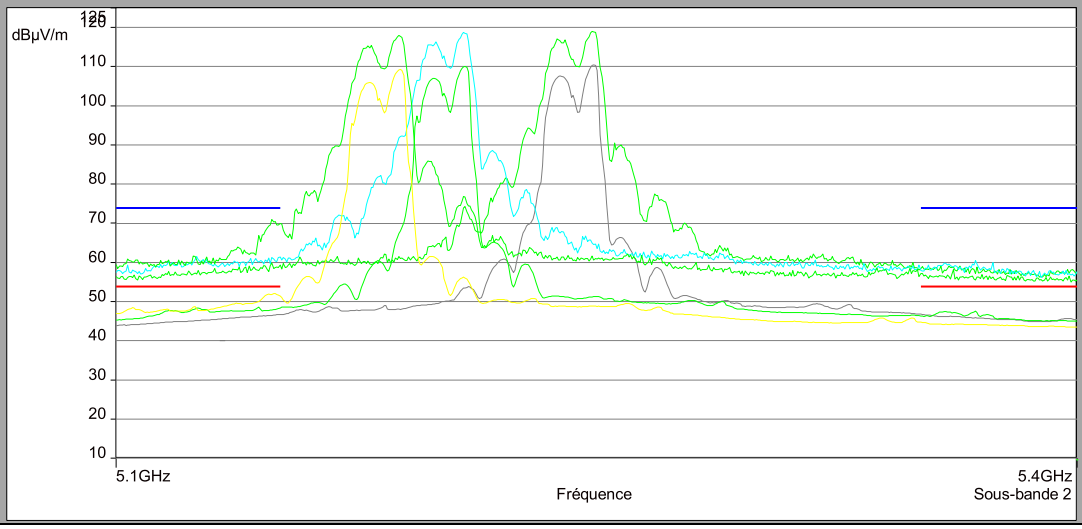
Below 1GHz
Mode
Channel
Vertical & horizontal Polarization



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 : 127618704, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Prese
Polarisation:Verticale
Distance: 3 m

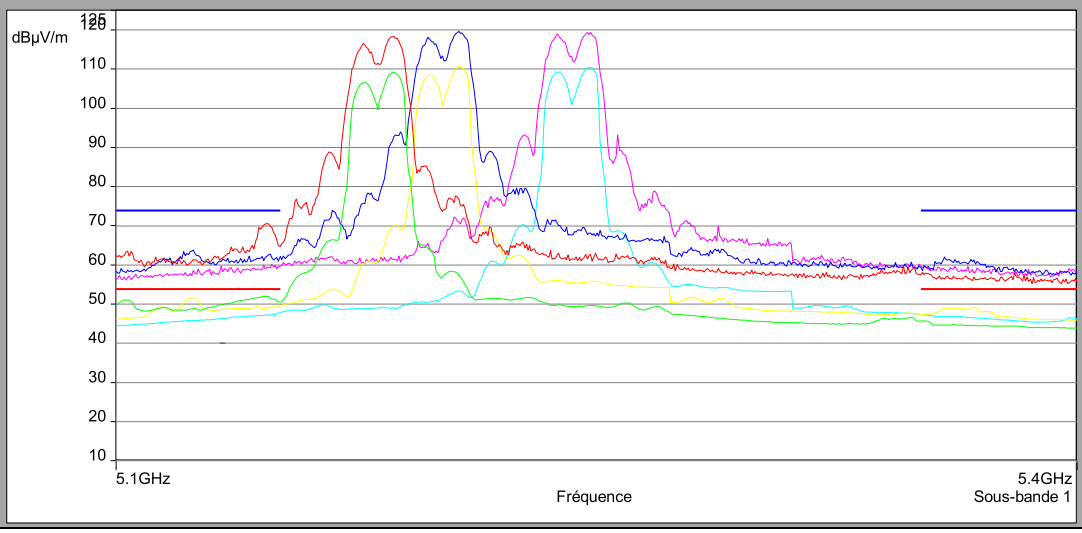
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel C1 (Verticale)
Mes.Avg Channel C1 (Verticale)
Mes.Peak Channel C2 (Verticale)
Mes.Avg Channel C2 (Verticale)
Mes.Peak Channel C3 (Verticale)
Mes.Avg Channel C3 (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 : 127617744, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Prese
Polarisation:Horizontale
Distance: 3 m

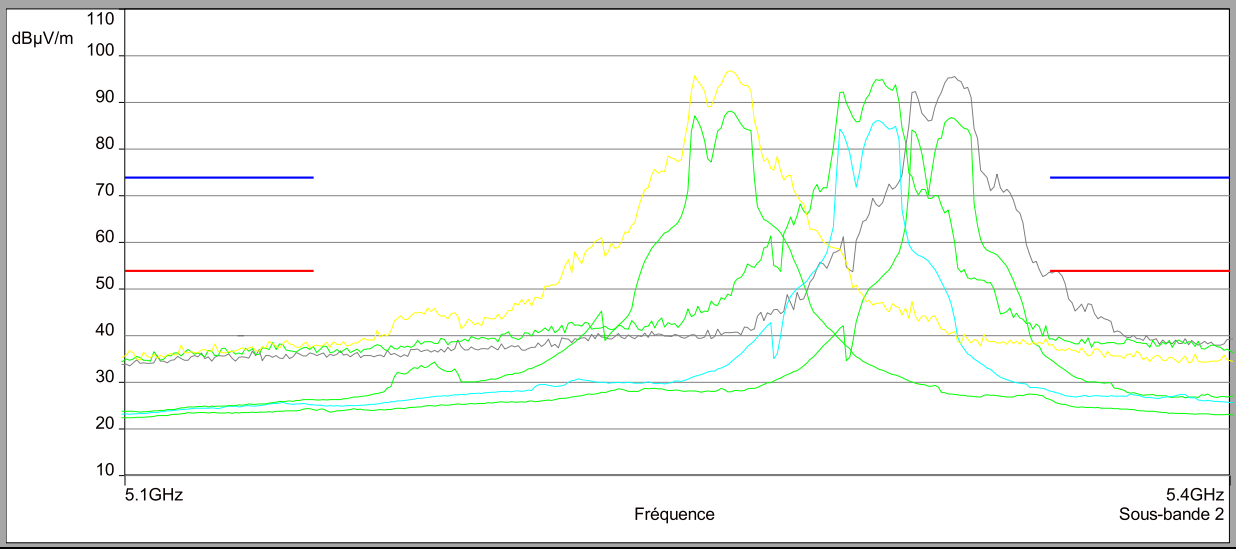
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak Channel C1 (Horizontale)
Mes.Avg Channel C1 (Horizontale)
Mes.Peak Channel C2 (Horizontale)
Mes.Avg Channel C2 (Horizontale)
Mes.Peak Channel C3 (Horizontale)
Mes.Avg Channel C3 (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 : 8118088, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Verticale
Distance: 3 m

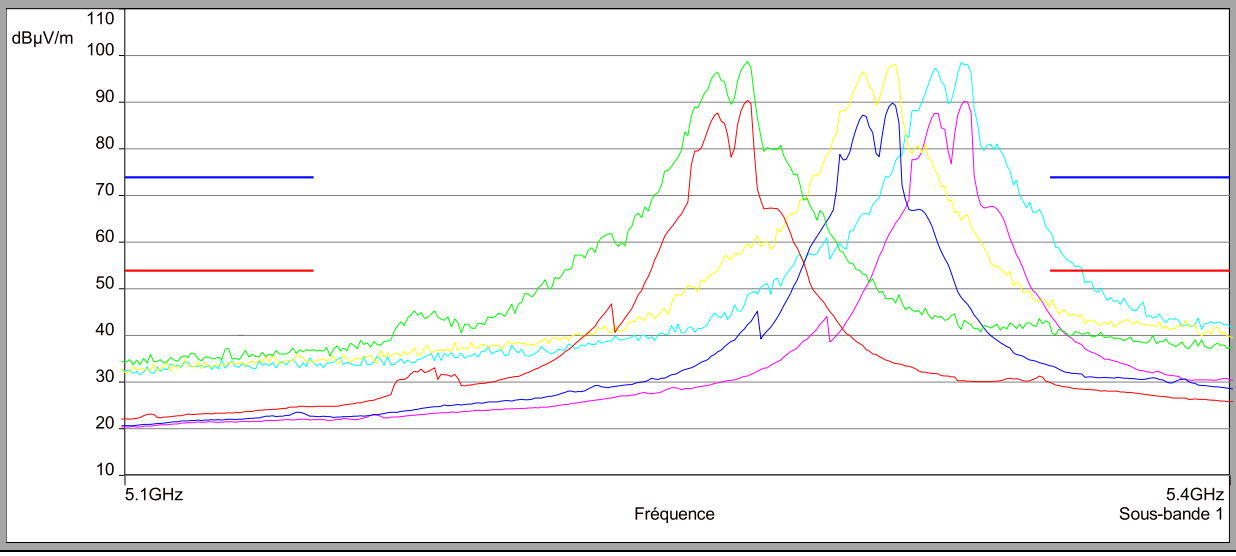
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C4 (Verticale)
Mes.Peak Channel C4 (Verticale)
Mes.Avg Channel C5 (Verticale)
Mes.Peak Channel C5 (Verticale)
Mes.Avg Channel C6 (Verticale)
Mes.Peak Channel C6 (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 : 196105104, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: 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.Avg Channel C4 (Horizontale)
Mes.Peak Channel C4 (Horizontale)
Mes.Avg Channel C5 (Horizontale)
Mes.Peak Channel C5 (Horizontale)
Mes.Avg Channel C6 (Horizontale)
Mes.Peak Channel C6 (Horizontale)



Above 1GHz

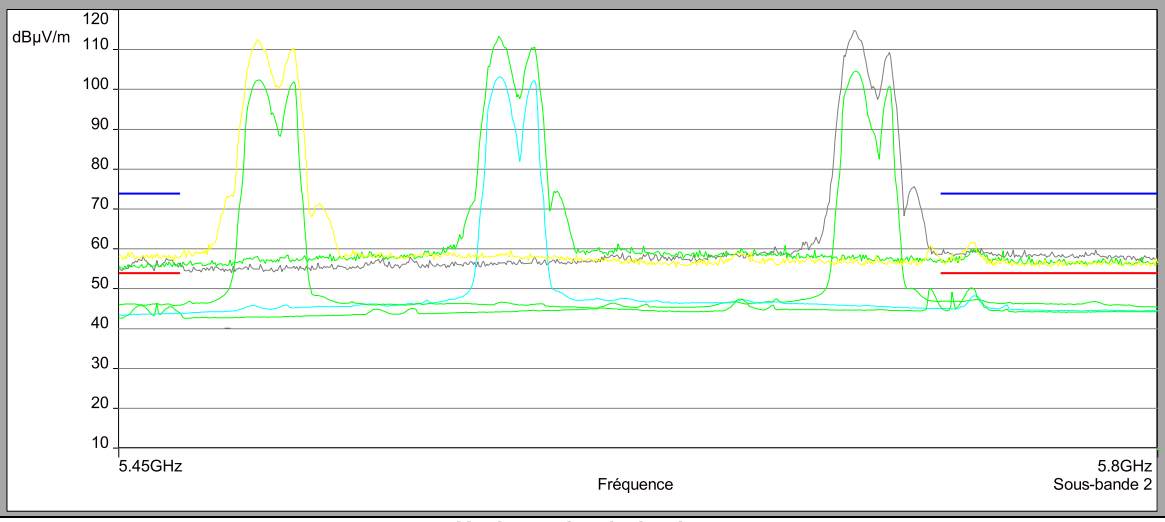
802.11a

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 : 164175350, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Pres
Polarisation:Verticale
Distance: 3 m

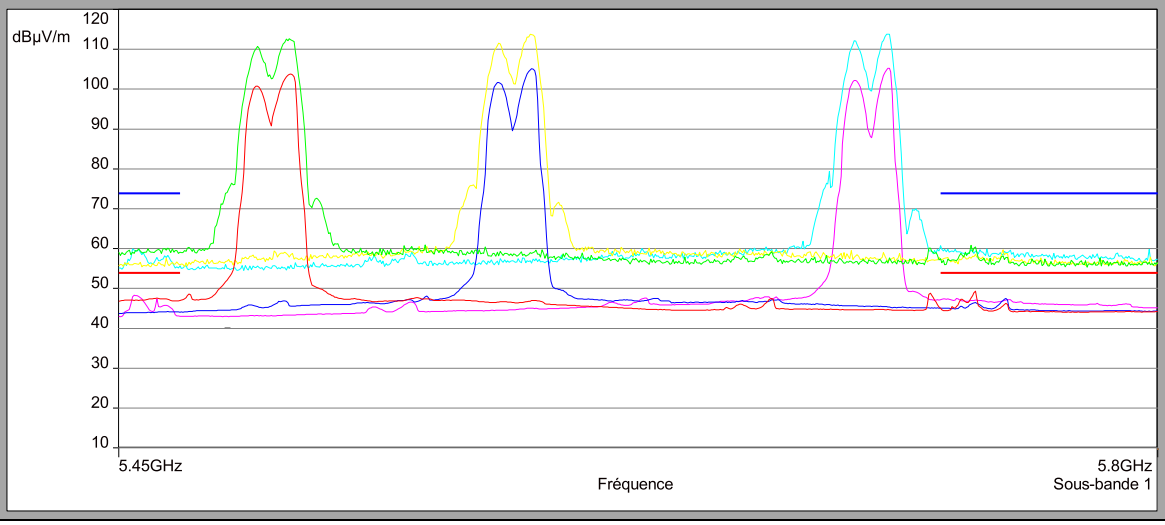
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C7 (Verticale)
Mes.Peak Channel C7 (Verticale)
Mes.Avg Channel C8 (Verticale)
Mes.Peak Channel C8 (Verticale)
Mes.Avg Channel C9 (Verticale)
Mes.Peak Channel C9 (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 : 199555950, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Pres
Polarisation:Horizontale
Distance: 3 m

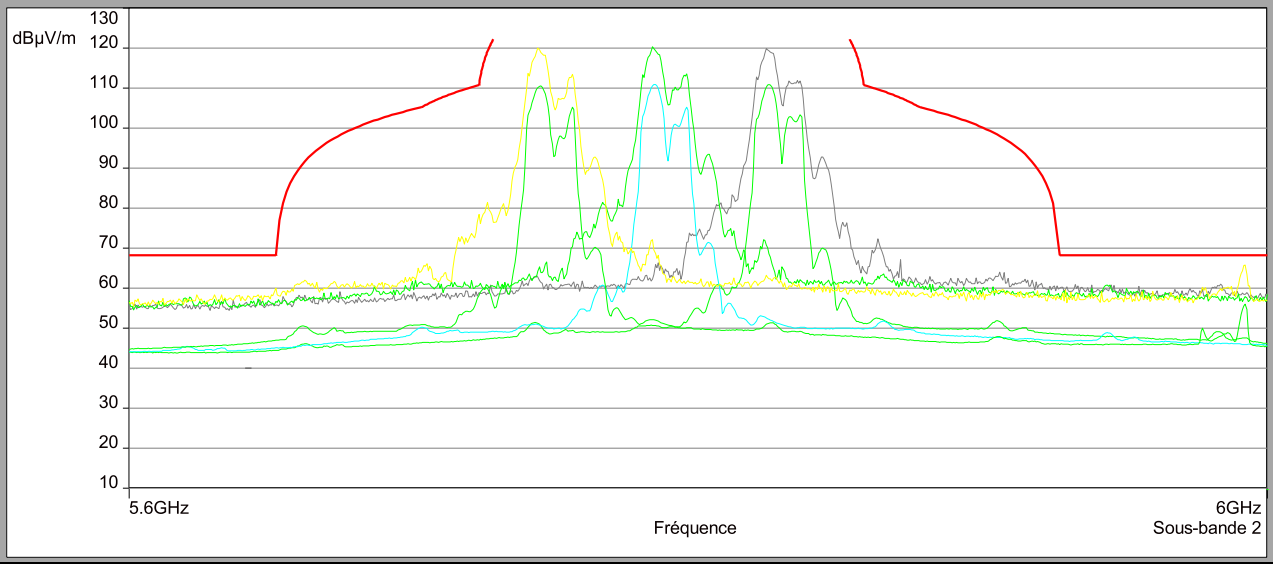
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C7 (Horizontale)
Mes.Peak Channel C7 (Horizontale)
Mes.Avg Channel C8 (Horizontale)
Mes.Peak Channel C8 (Horizontale)
Mes.Avg Channel C9 (Horizontale)
Mes.Peak Channel C9 (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 : 169340464, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Verticale
Distance: 3 m

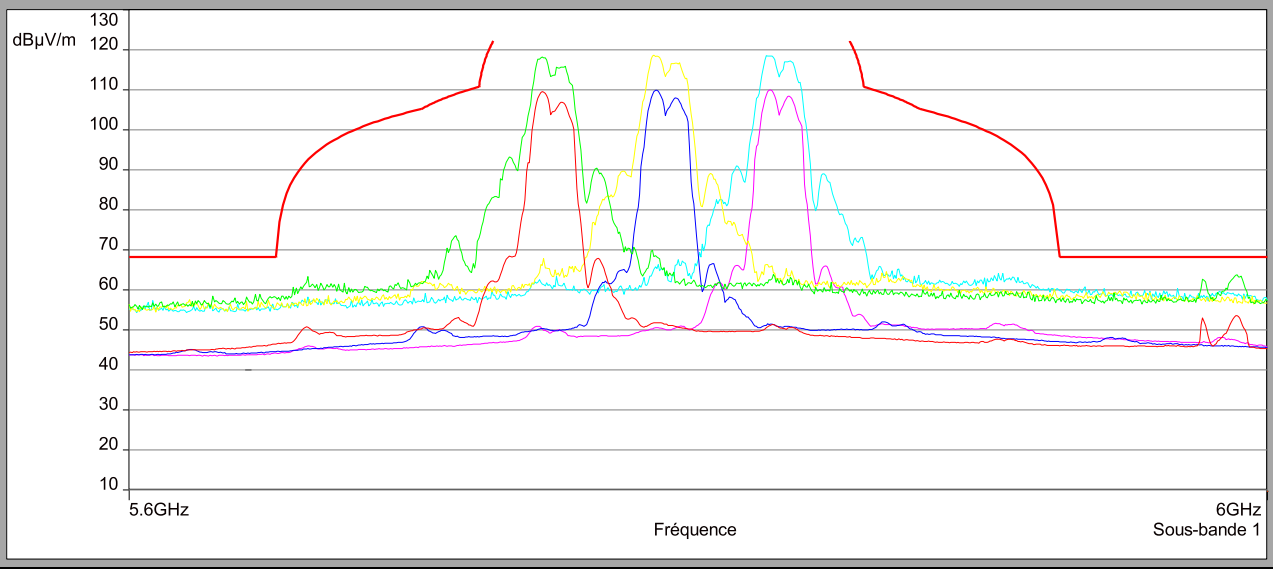
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg Channel C11 (Verticale)
Mes.Peak Channel C11 (Verticale)
Mes.Avg Channel C12 (Verticale)
Mes.Peak Channel C12 (Verticale)
Mes.Avg Channel C13 (Verticale)
Mes.Peak Channel C13 (Verticale)



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 : 169340624, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Horizontale
Distance: 3 m

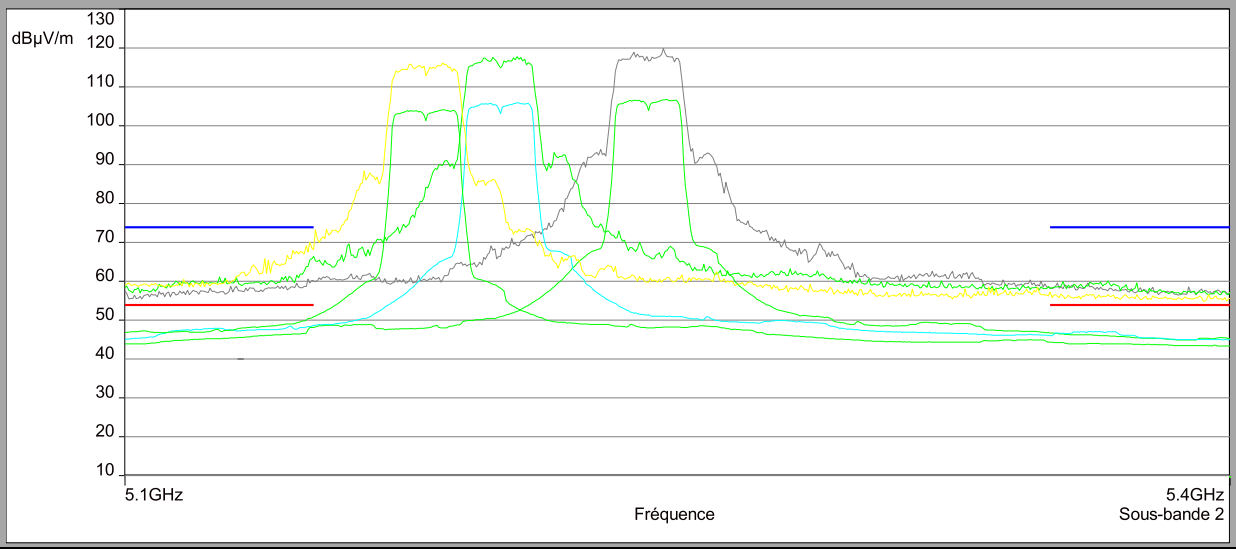
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg Channel C11 (Horizontale)
Mes.Peak Channel C11 (Horizontale)
Mes.Avg Channel C12 (Horizontale)
Mes.Peak Channel C12 (Horizontale)
Mes.Avg Channel C13 (Horizontale)
Mes.Peak Channel C13 (Horizontale)



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 : 70230576, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

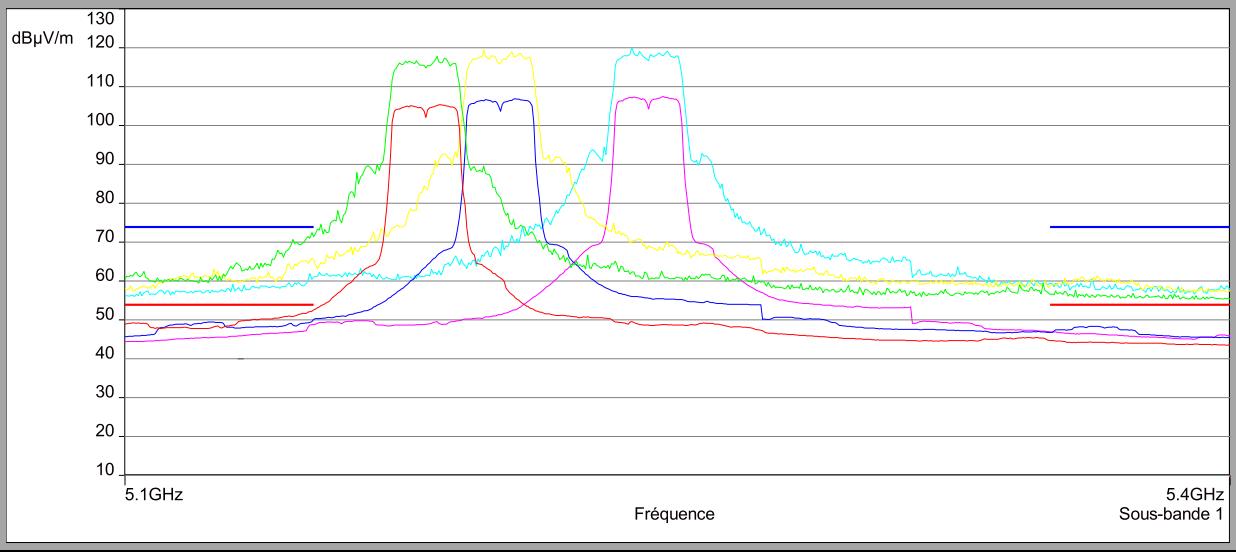
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C1 (Verticale)
Mes.Peak Channel C1 (Verticale)
Mes.Avg Channel C2 (Verticale)
Mes.Peak Channel C2 (Verticale)
Mes.Avg Channel C3 (Verticale)
Mes.Peak Channel C3 (Verticale)



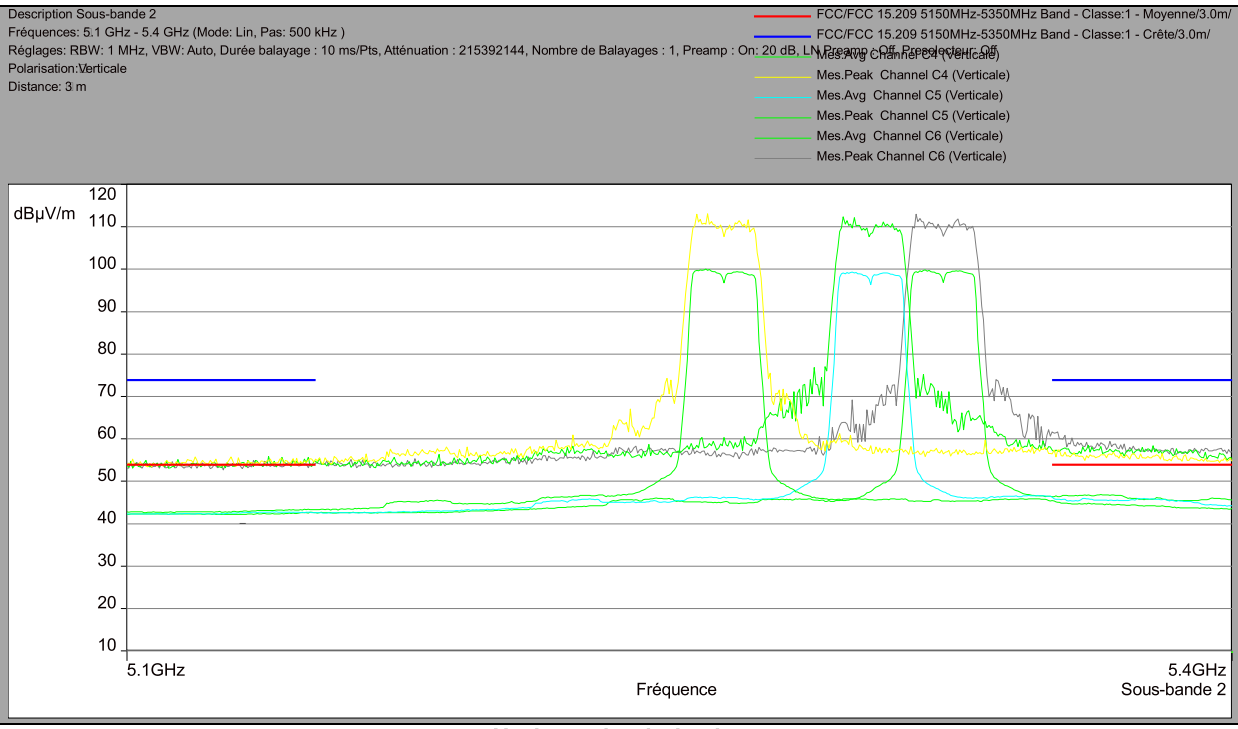
Horizontal polarization

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 : 70230256, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

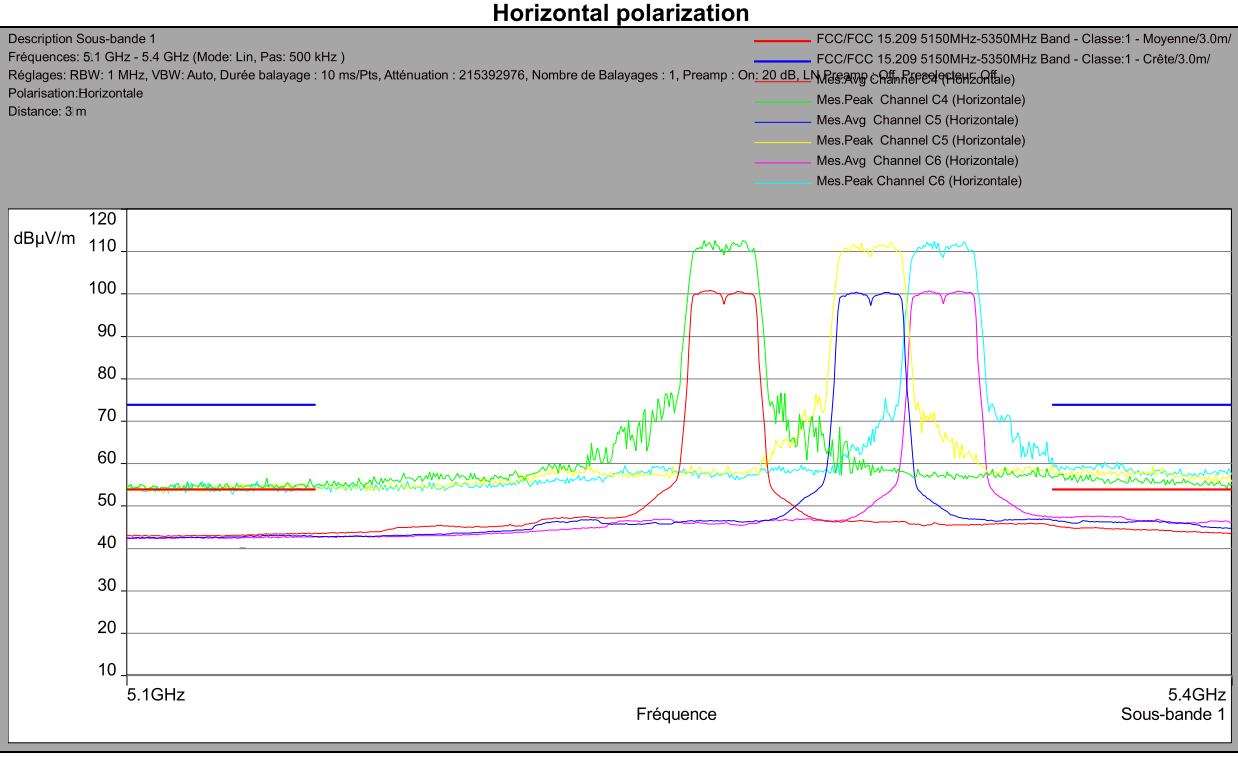
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C1 (Horizontale)
Mes.Peak Channel C1 (Horizontale)
Mes.Avg Channel C2 (Horizontale)
Mes.Peak Channel C2 (Horizontale)
Mes.Avg Channel C3 (Horizontale)
Mes.Peak Channel C3 (Horizontale)



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



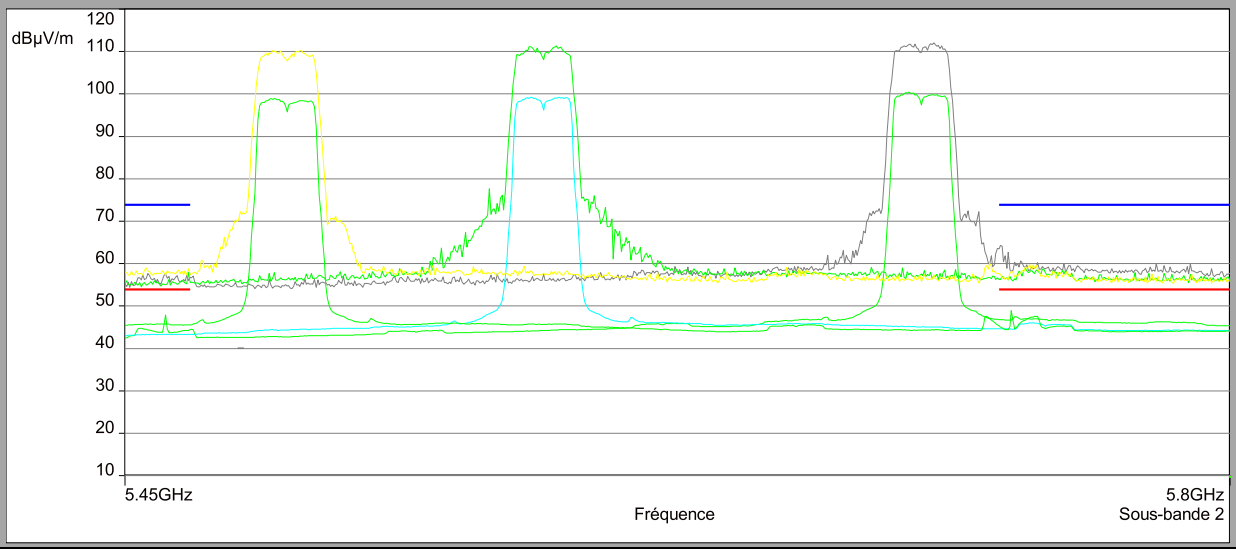
Horizontal polarization



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 : 168268472, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

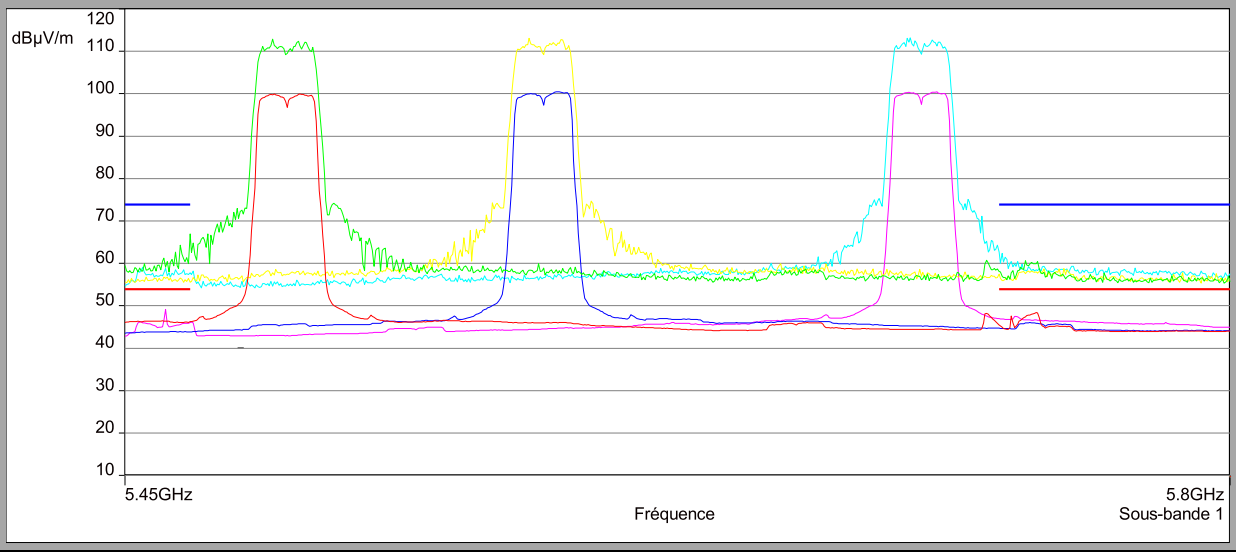
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C7 (Verticale)
Mes.Peak Channel C7 (Verticale)
Mes.Avg Channel C8 (Verticale)
Mes.Peak Channel C8 (Verticale)
Mes.Avg Channel C9 (Verticale)
Mes.Peak Channel C9 (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 : 168268632, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

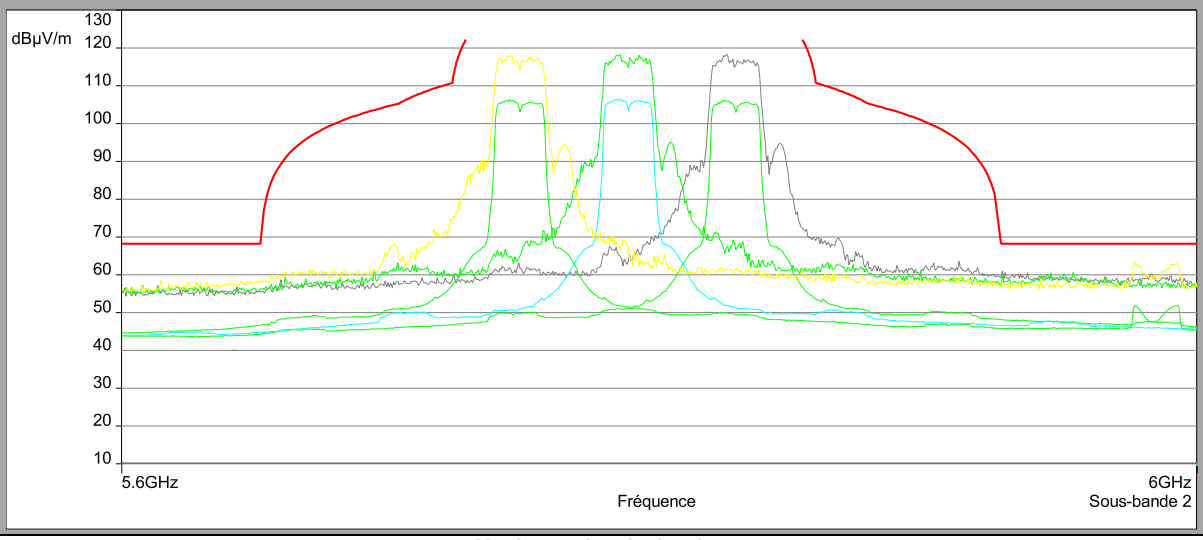
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C7 (Horizontale)
Mes.Peak Channel C7 (Horizontale)
Mes.Avg Channel C8 (Horizontale)
Mes.Peak Channel C8 (Horizontale)
Mes.Avg Channel C9 (Horizontale)
Mes.Peak Channel C9 (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 : 165736128, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Pres
Polarisation: Verticale
Distance: 3 m

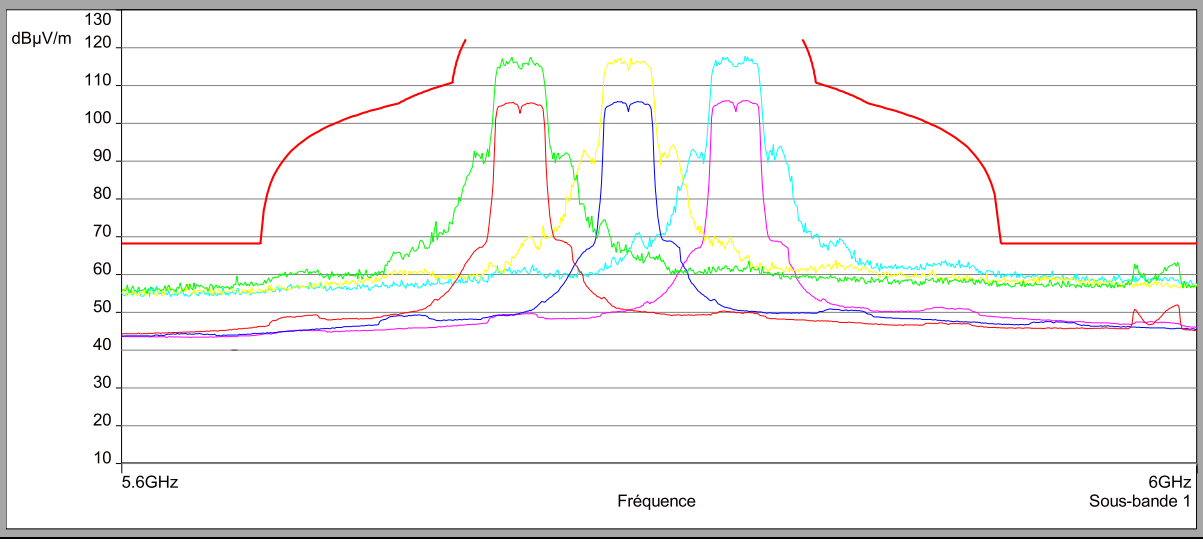
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg Channel C11 (Verticale)
Mes.Peak Channel C11 (Verticale)
Mes.Avg Channel C12 (Verticale)
Mes.Peak Channel C12 (Verticale)
Mes.Avg Channel C13 (Verticale)
Mes.Peak Channel C13 (Verticale)



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 : 165736064, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Pres
Polarisation: Horizontale
Distance: 3 m

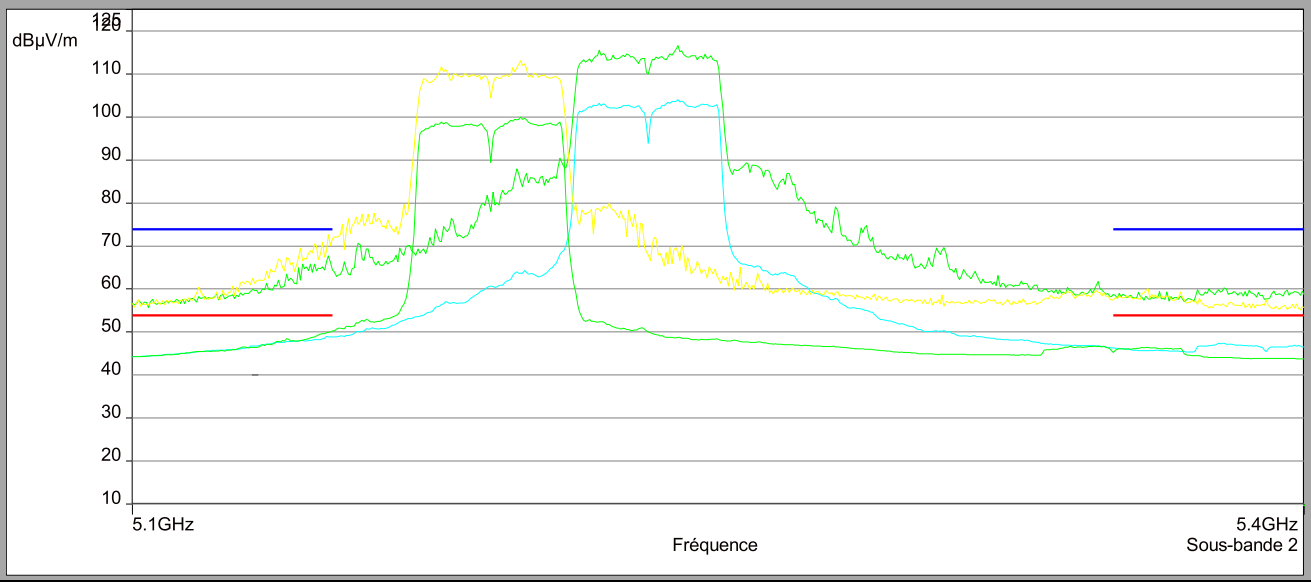
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Avg Channel C11 (Horizontale)
Mes.Peak Channel C11 (Horizontale)
Mes.Avg Channel C12 (Horizontale)
Mes.Peak Channel C12 (Horizontale)
Mes.Avg Channel C13 (Horizontale)
Mes.Peak Channel C13 (Horizontale)



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 : 167725872, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

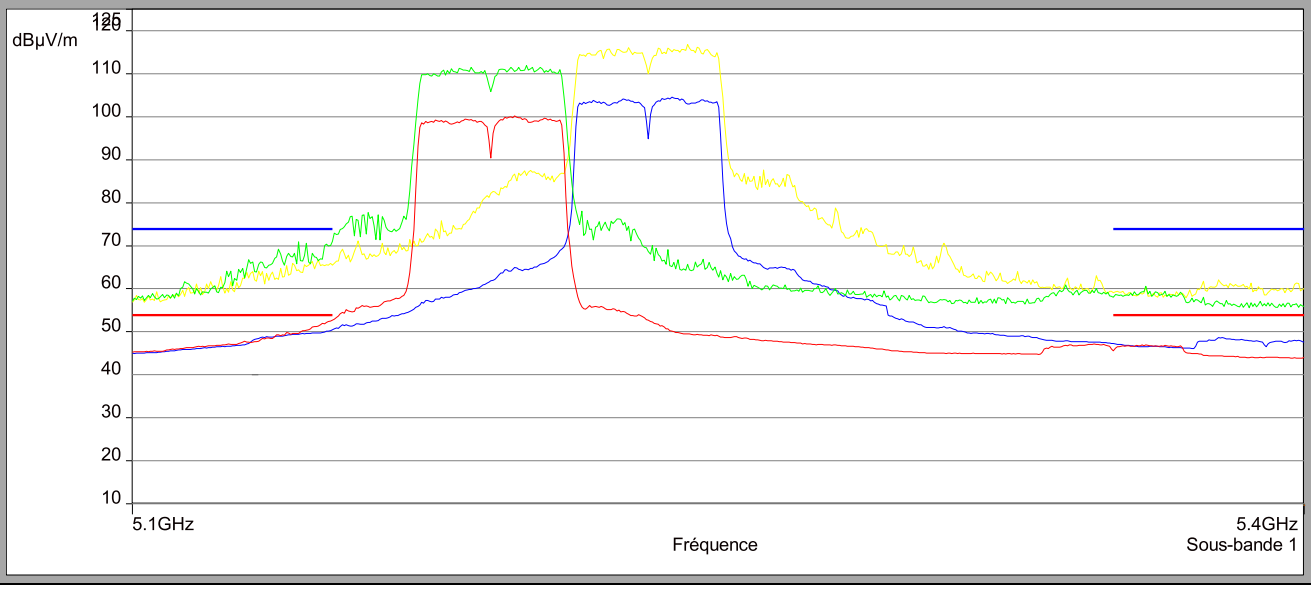
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C14 (Verticale)
Mes.Peak Channel C14 (Verticale)
Mes.Avg Channel C15 (Verticale)
Mes.Peak Channel C15 (Verticale)



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 : 167154456, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

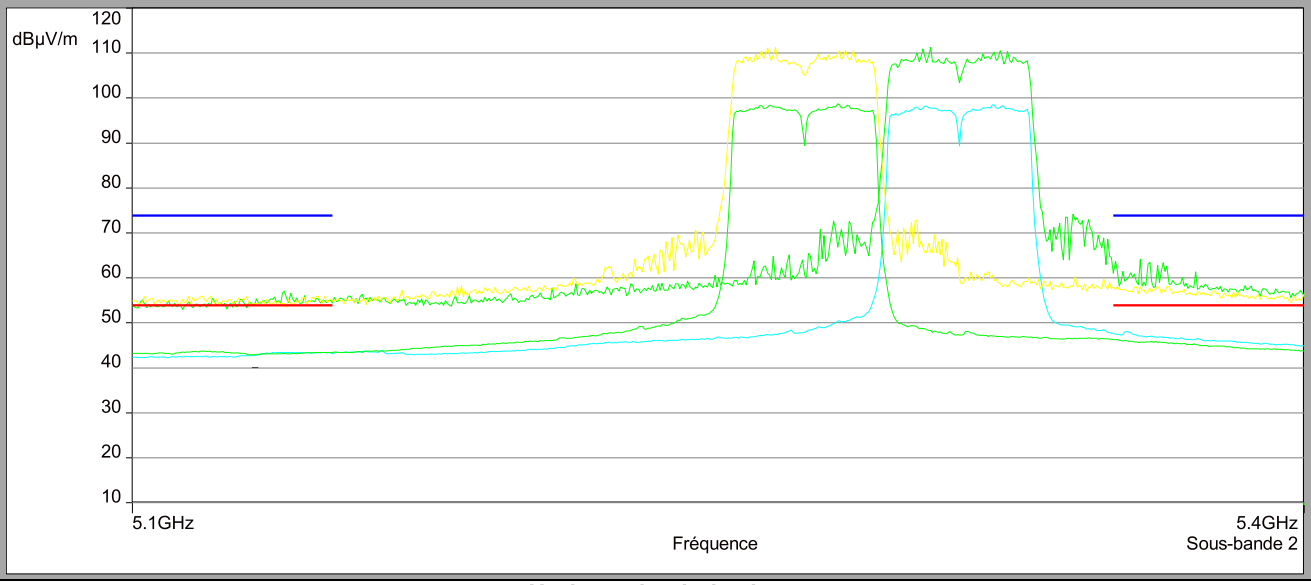
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C14 (Horizontale)
Mes.Peak Channel C14 (Horizontale)
Mes.Avg Channel C15 (Horizontale)
Mes.Peak Channel C15 (Horizontale)



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 : 168088464, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

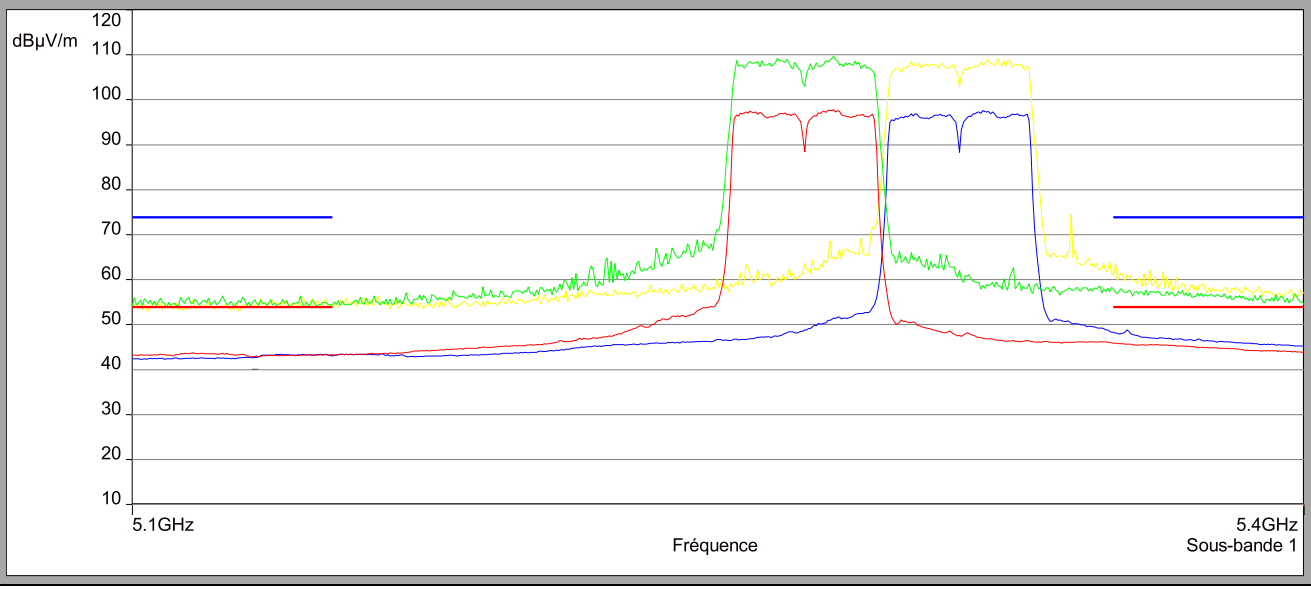
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C16 (Verticale)
Mes.Peak Channel C16 (Verticale)
Mes.Avg Channel C17 (Verticale)
Mes.Peak Channel C17 (Verticale)



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 : 168088176, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

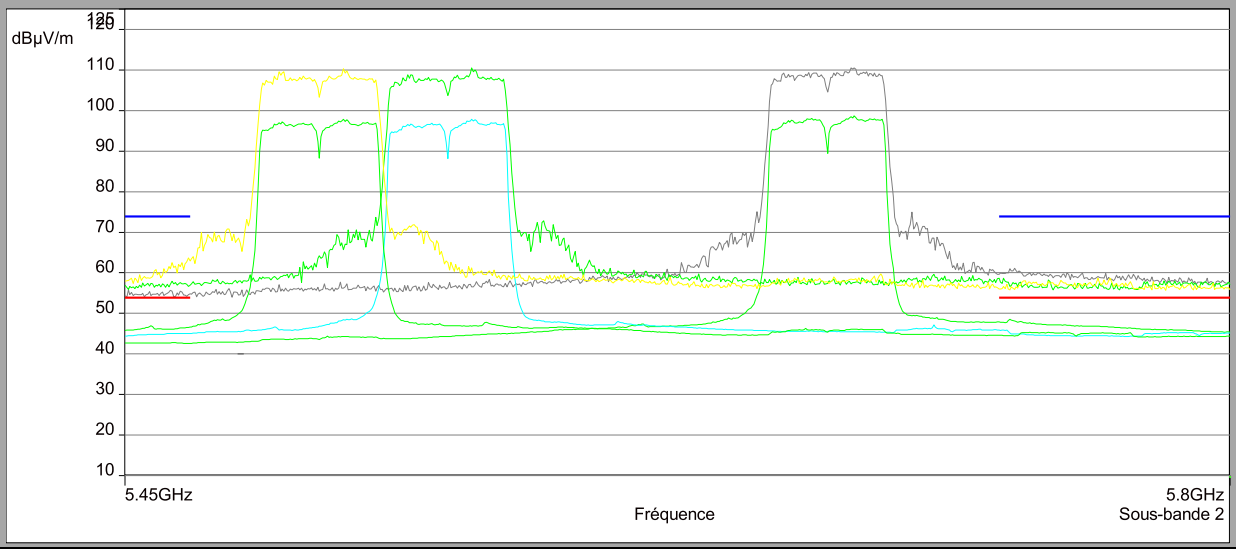
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C16 (Horizontale)
Mes.Peak Channel C16 (Horizontale)
Mes.Avg Channel C17 (Horizontale)
Mes.Peak Channel C17 (Horizontale)



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 : 164841664, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

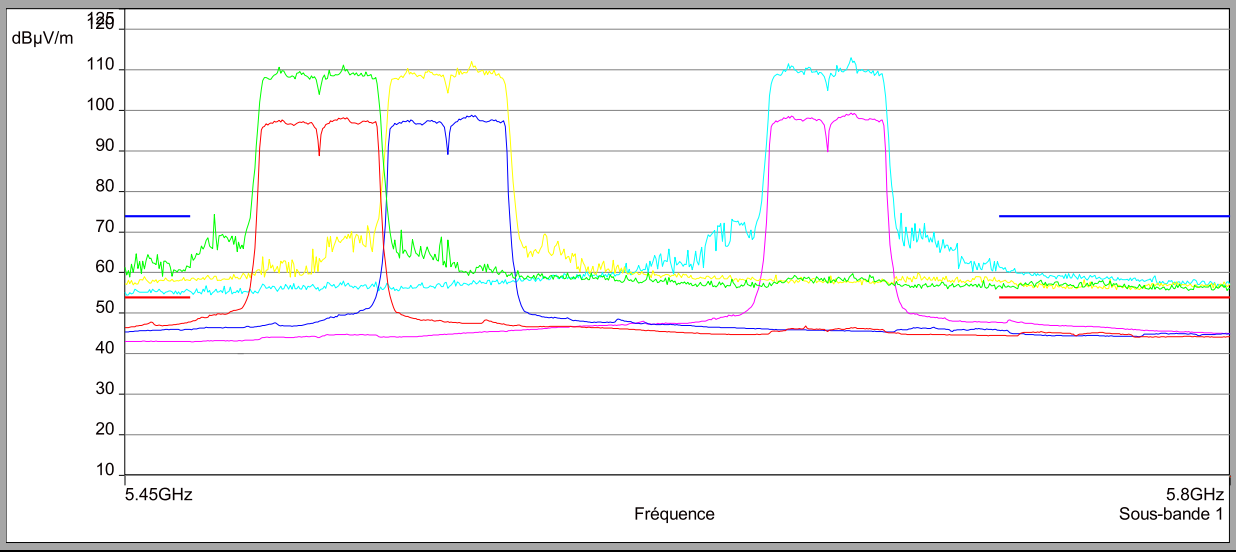
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C18 (Verticale)
Mes.Peak Channel C18 (Verticale)
Mes.Avg Channel C19 (Verticale)
Mes.Peak Channel C19 (Verticale)
Mes.Avg Channel C20 (Verticale)
Mes.Peak Channel C20 (Verticale)



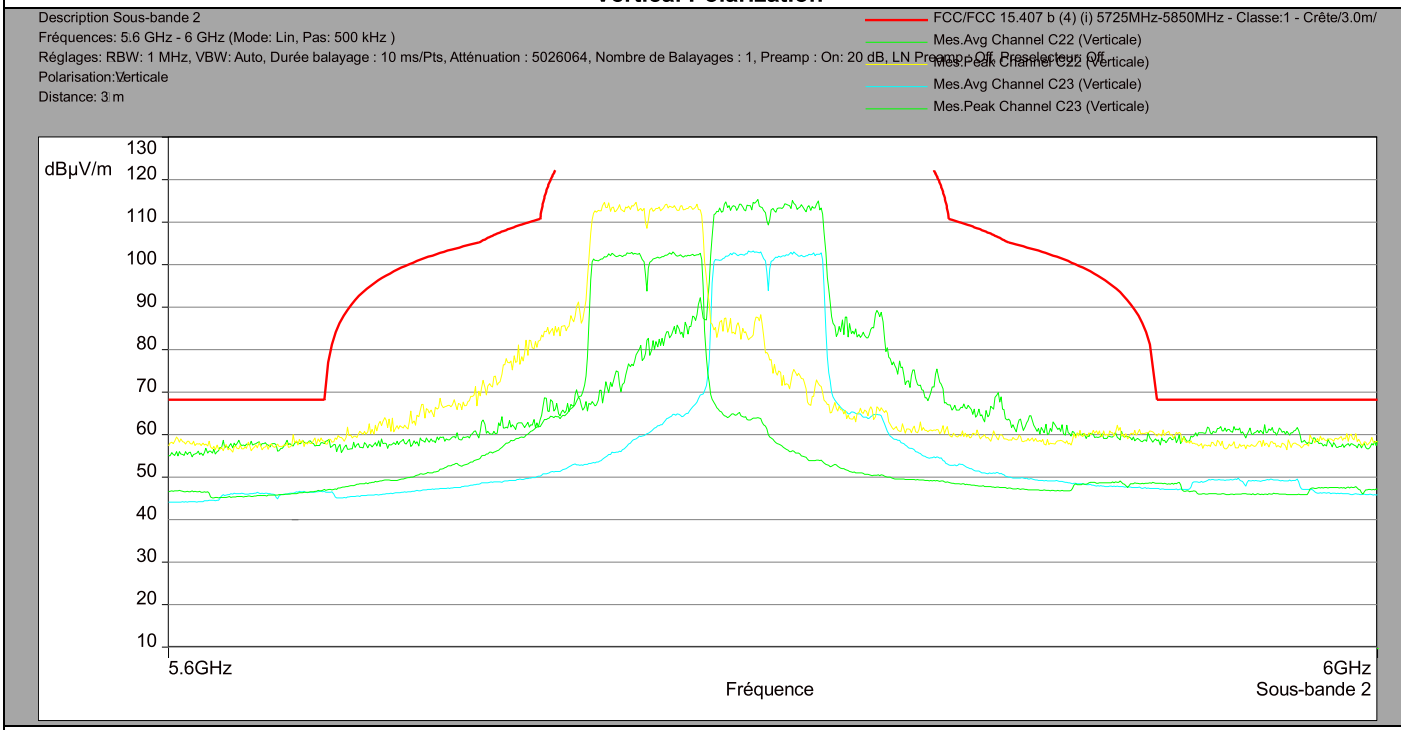
Horizontal polarization

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 : 164843712, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Horizontale
Distance: 3 m

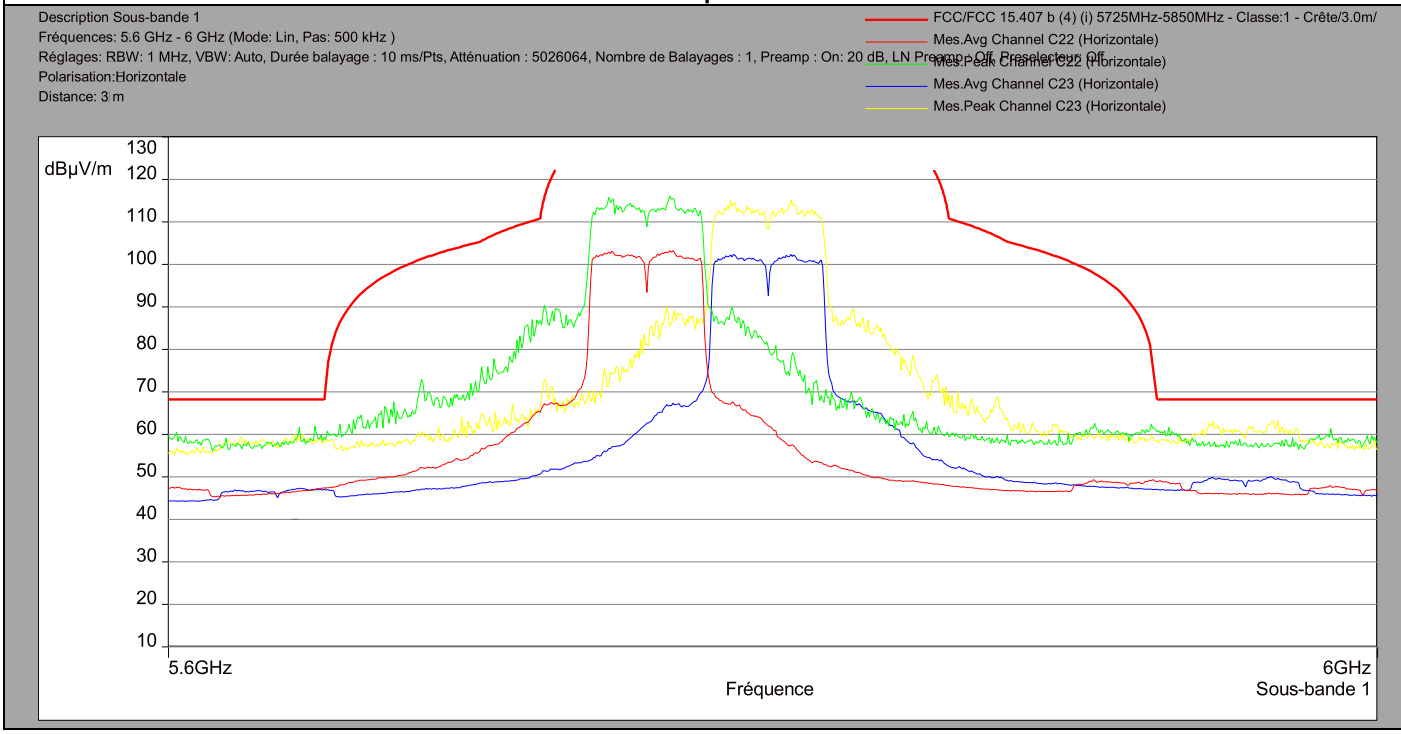
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C18 (Horizontale)
Mes.Peak Channel C18 (Horizontale)
Mes.Avg Channel C19 (Horizontale)
Mes.Peak Channel C19 (Horizontale)
Mes.Avg Channel C20 (Horizontale)
Mes.Peak Channel C20 (Horizontale)



Above 1GHz
802.11n HT40/ac VHT40
C22/C23
Vertical Polarization



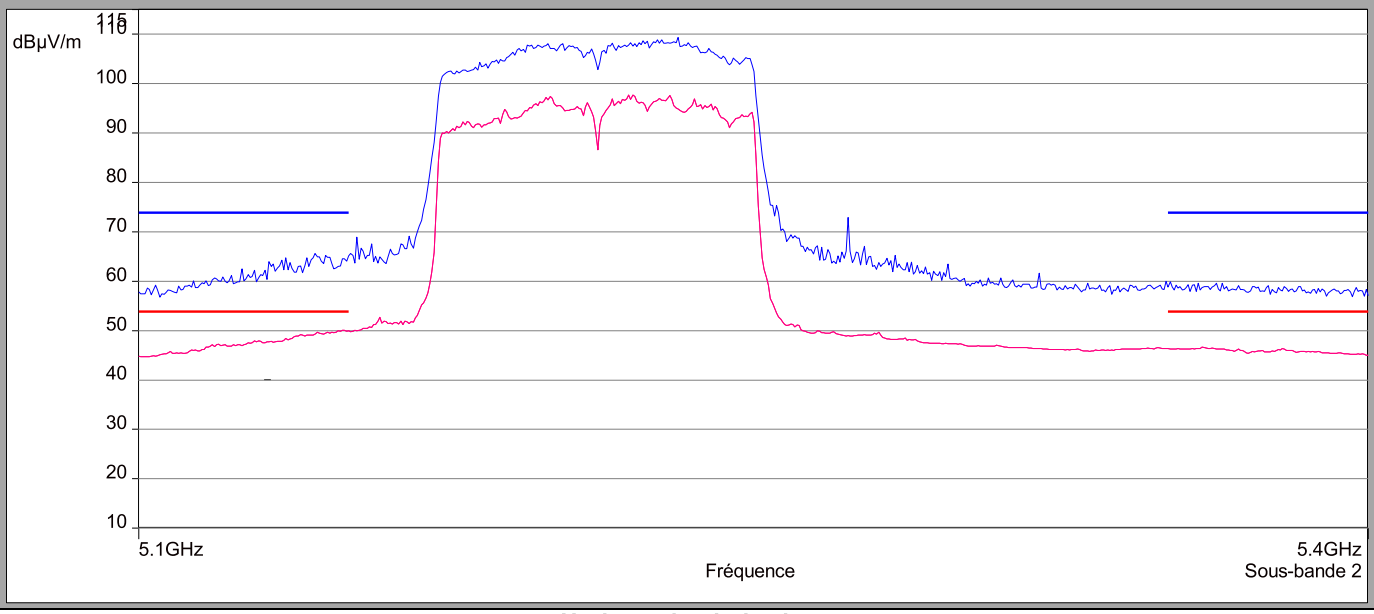
Horizontal polarization



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 : 170085016, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Verticale
Distance: 3 m

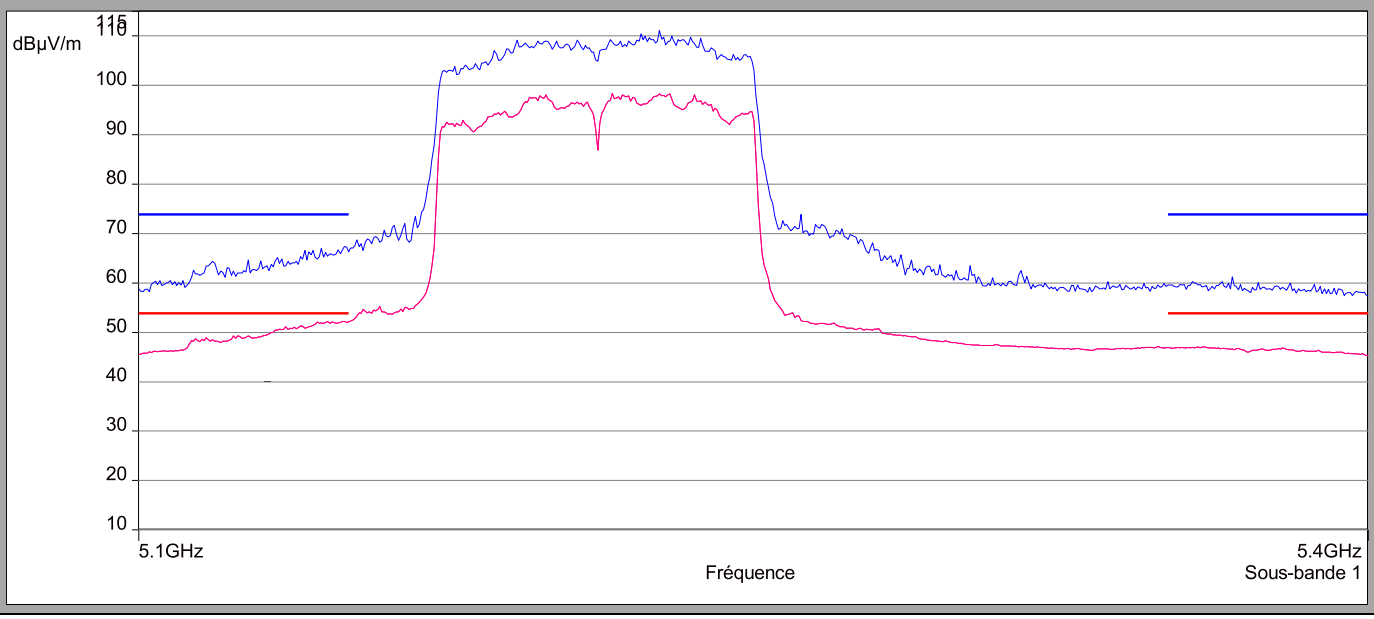
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



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 : 170085144, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Horizontale
Distance: 3 m

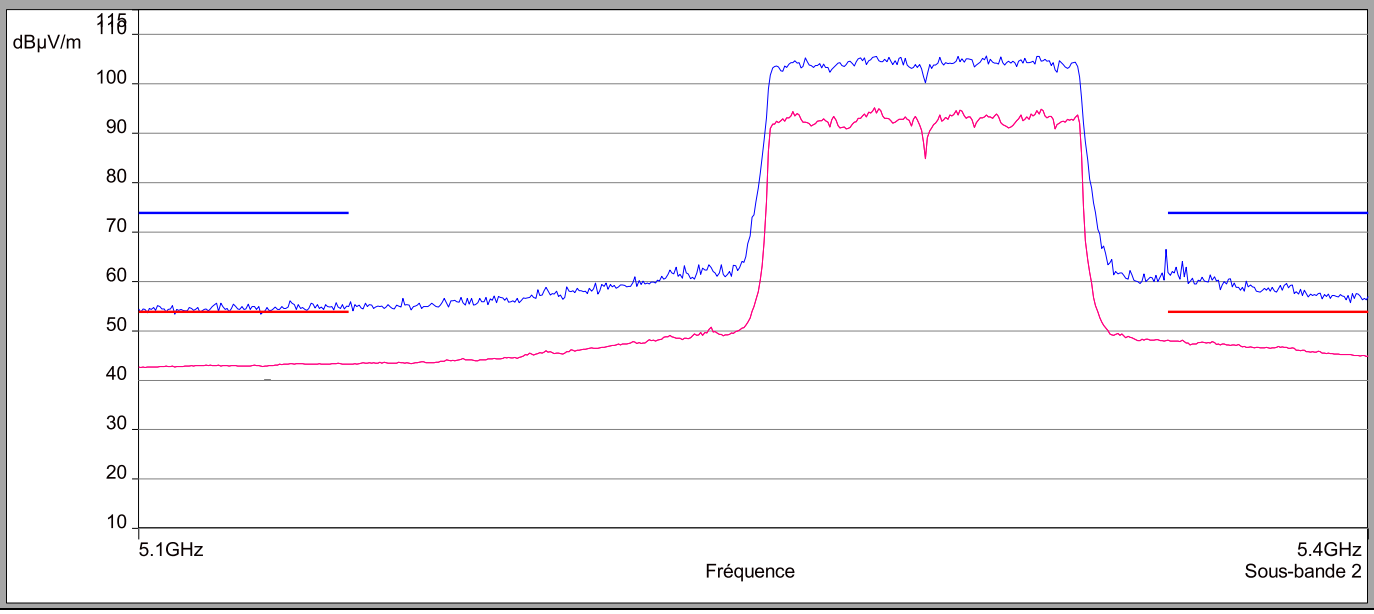
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



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 : 168825632, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Verticale
Distance: 3 m

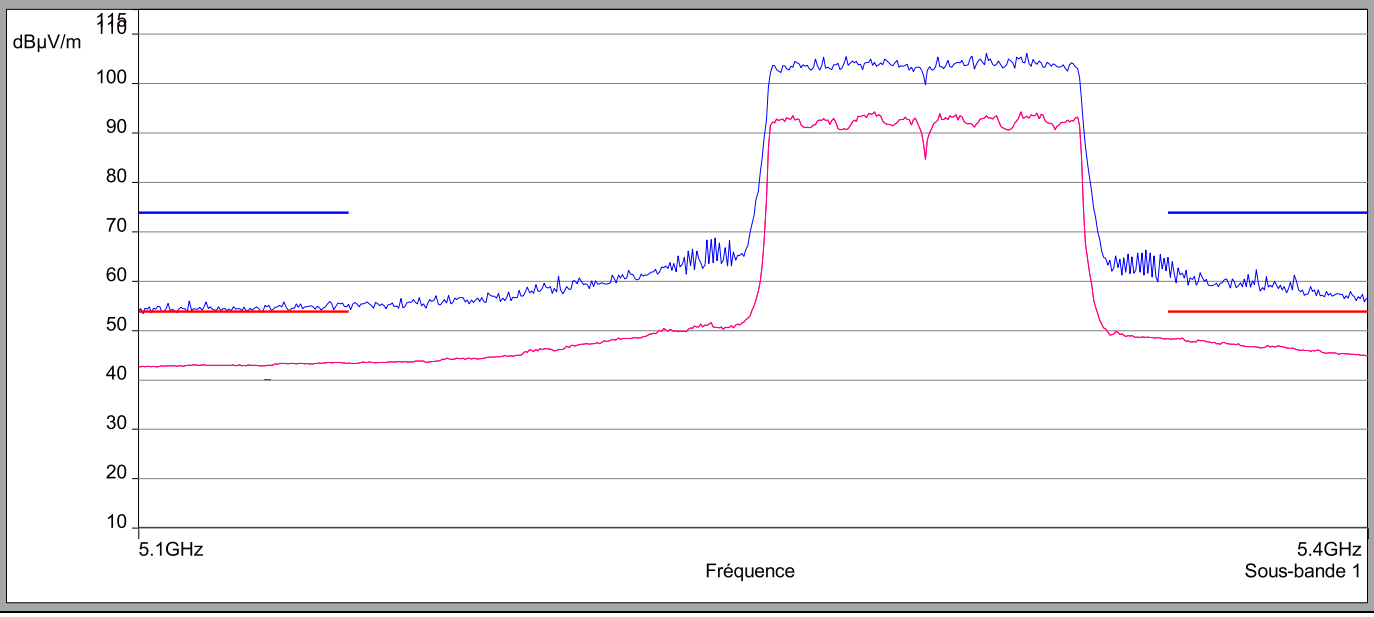
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



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 : 168759296, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Horizontale
Distance: 3 m

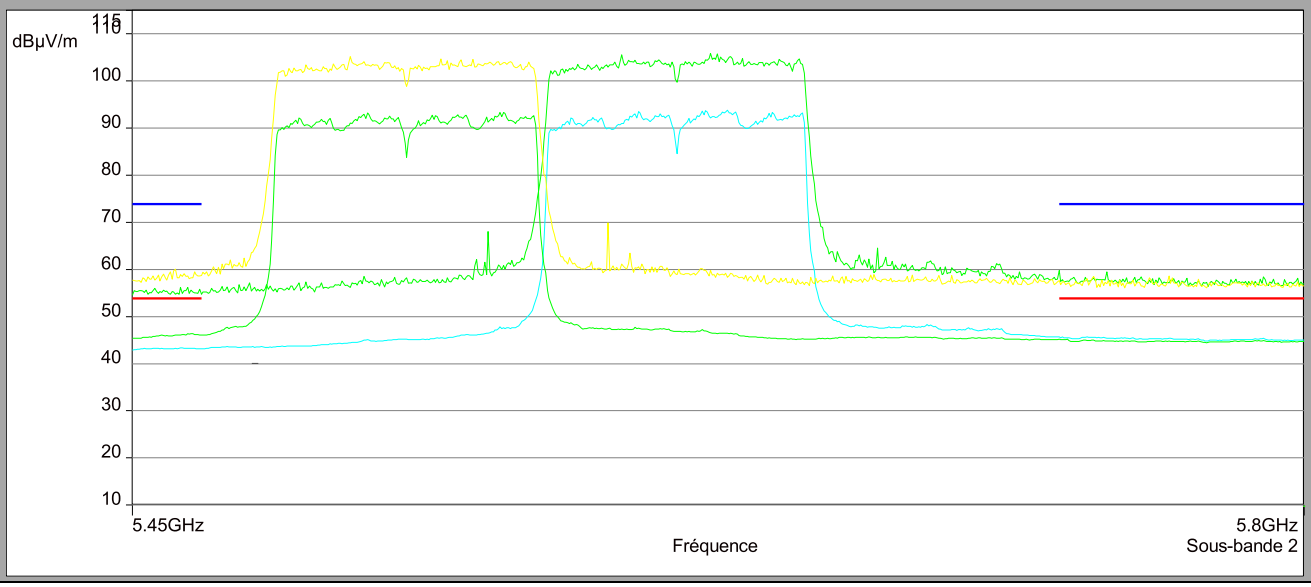
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5150MHz-5350MHz Band - Classe:1 - Crête/3.0m/
Mes.Peak (Horizontale)
Mes.Avg (Horizontale)



Above 1GHz
802.11ac VHT80
C26 / C27
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 : 165772112, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Preselecteur: Off
Polarisation:Verticale
Distance: 3 m

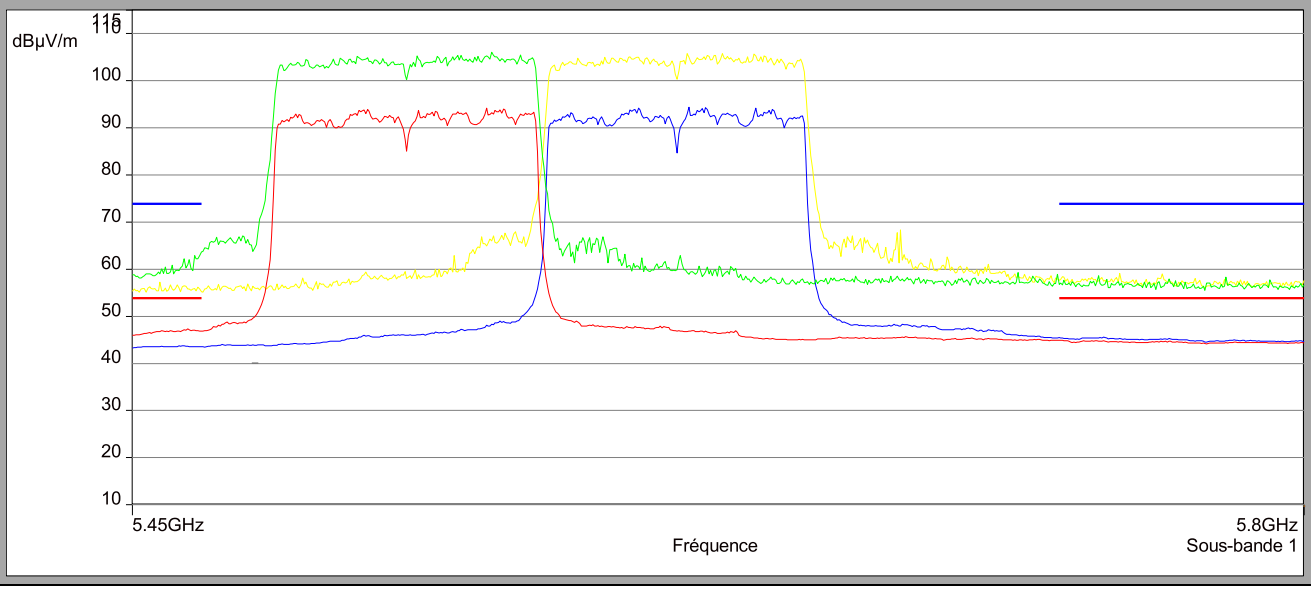
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Moyenne/3.0m/
FCC/FCC 15.209 5470MHz-5725MHz Band - Classe:1 - Crête/3.0m/
Mes.Avg Channel C26 (Verticale)
Mes.Peak Channel C26 (Verticale)
Mes.Avg Channel C27 (Verticale)
Mes.Peak Channel C27 (Verticale)



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 : 165772432, 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.Avg Channel C26 (Horizontale)
Mes.Peak Channel C26 (Horizontale)
Mes.Avg Channel C27 (Horizontale)
Mes.Peak Channel C27 (Horizontale)



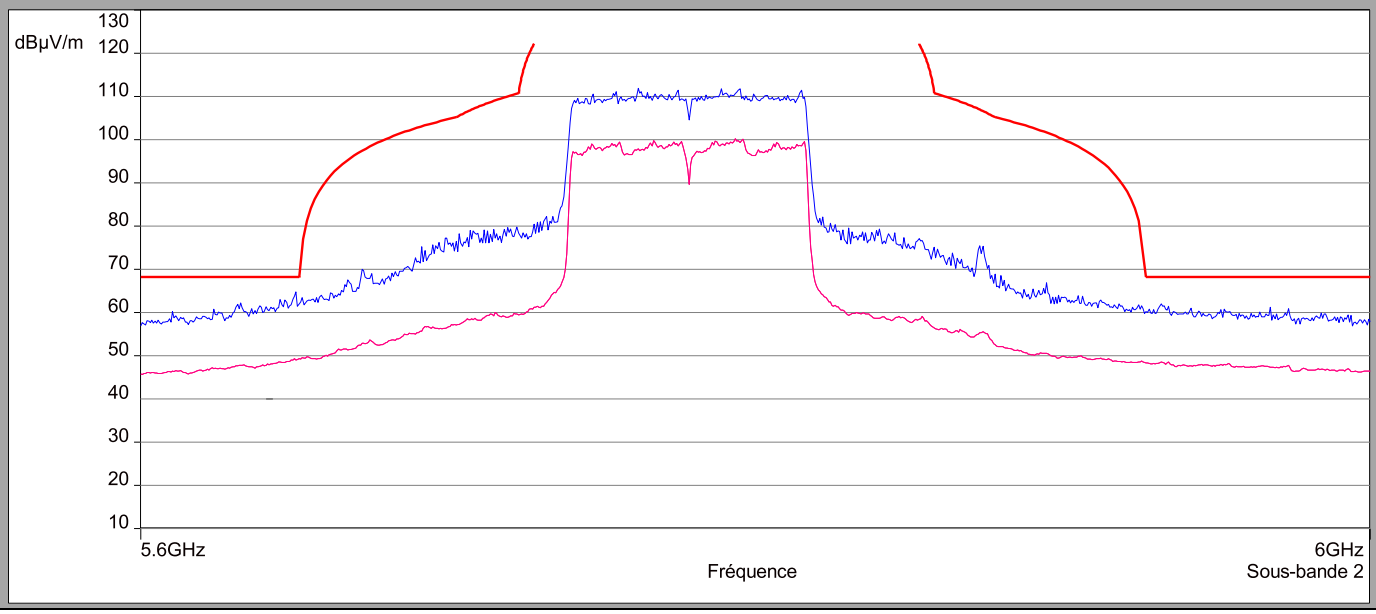
802.11ac VHT80

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 : 166076320, Nombre de Balayages : 1, Preamp : On: 20 dB, LN Preamp : Off, Presélecteur: Off
Polarisation:Verticale
Distance: 3 m

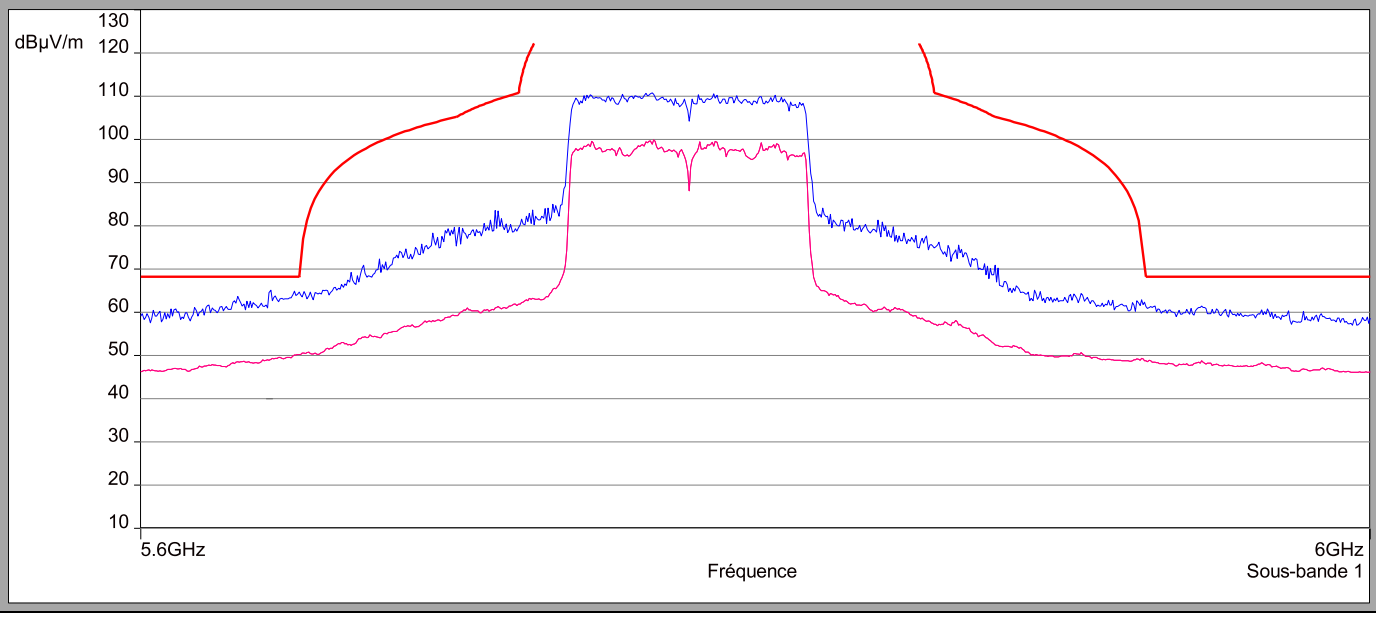
FCC/FCC 15.407 b (4) (i) 5725MHz-5850MHz - Classe:1 - Crête/3.0m/
Mes.Peak (Verticale)
Mes.Avg (Verticale)



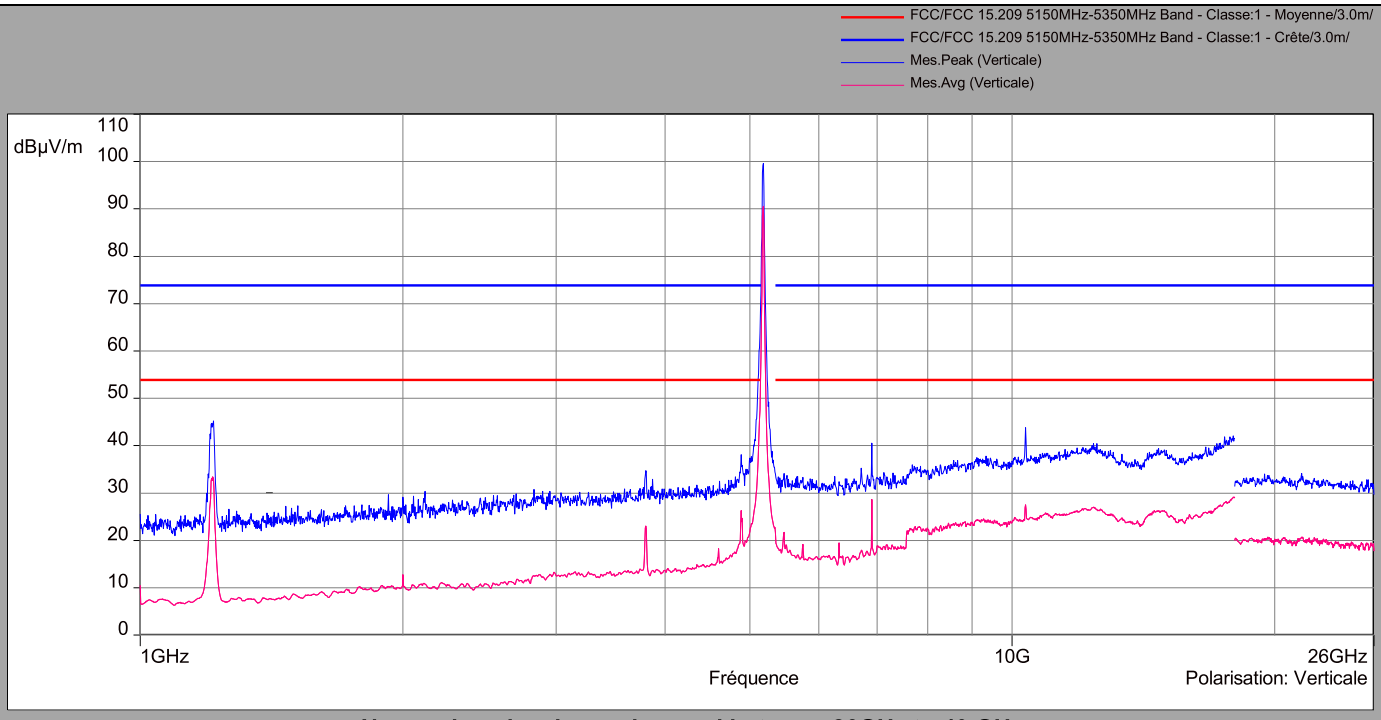
Horizontal polarization

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 : 166077024, 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 (Horizontale)
Mes.Avg (Horizontale)

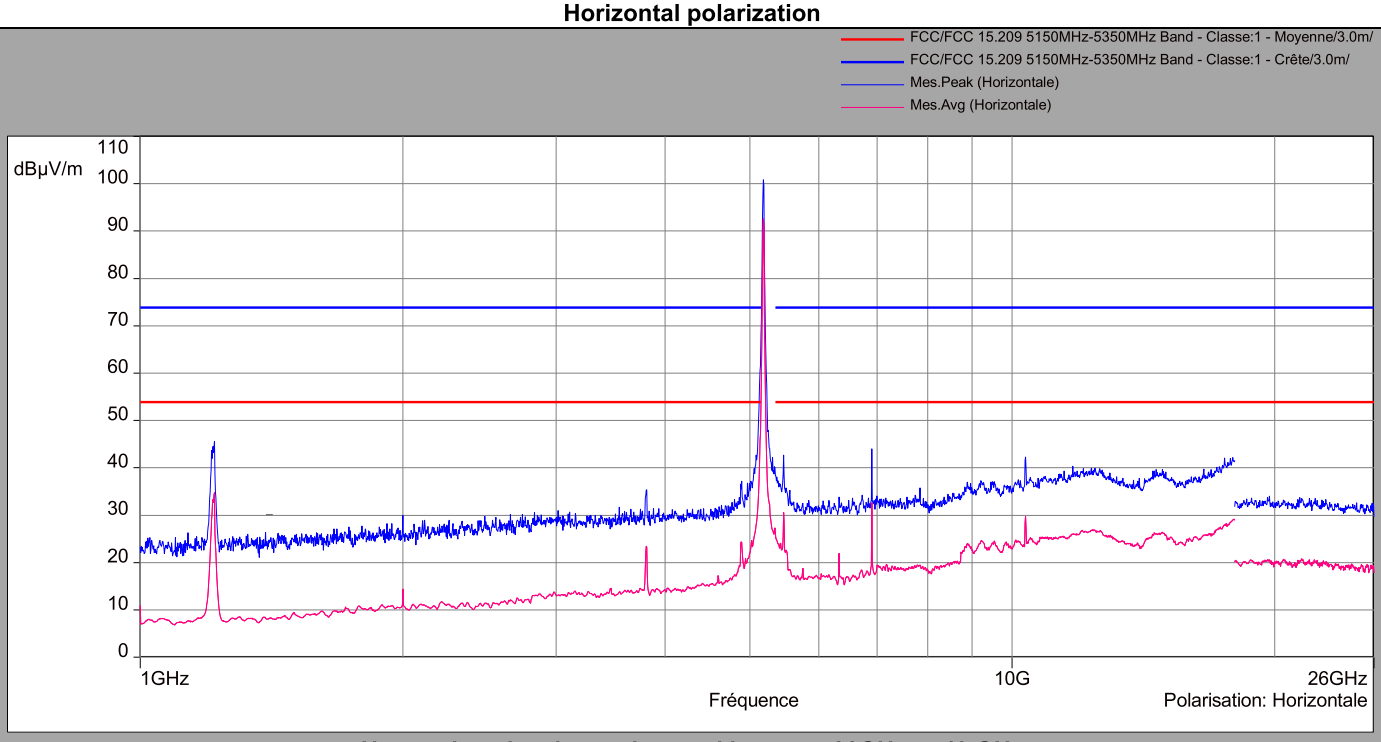


Above 1GHz
802.11a
C1
Vertical Polarization



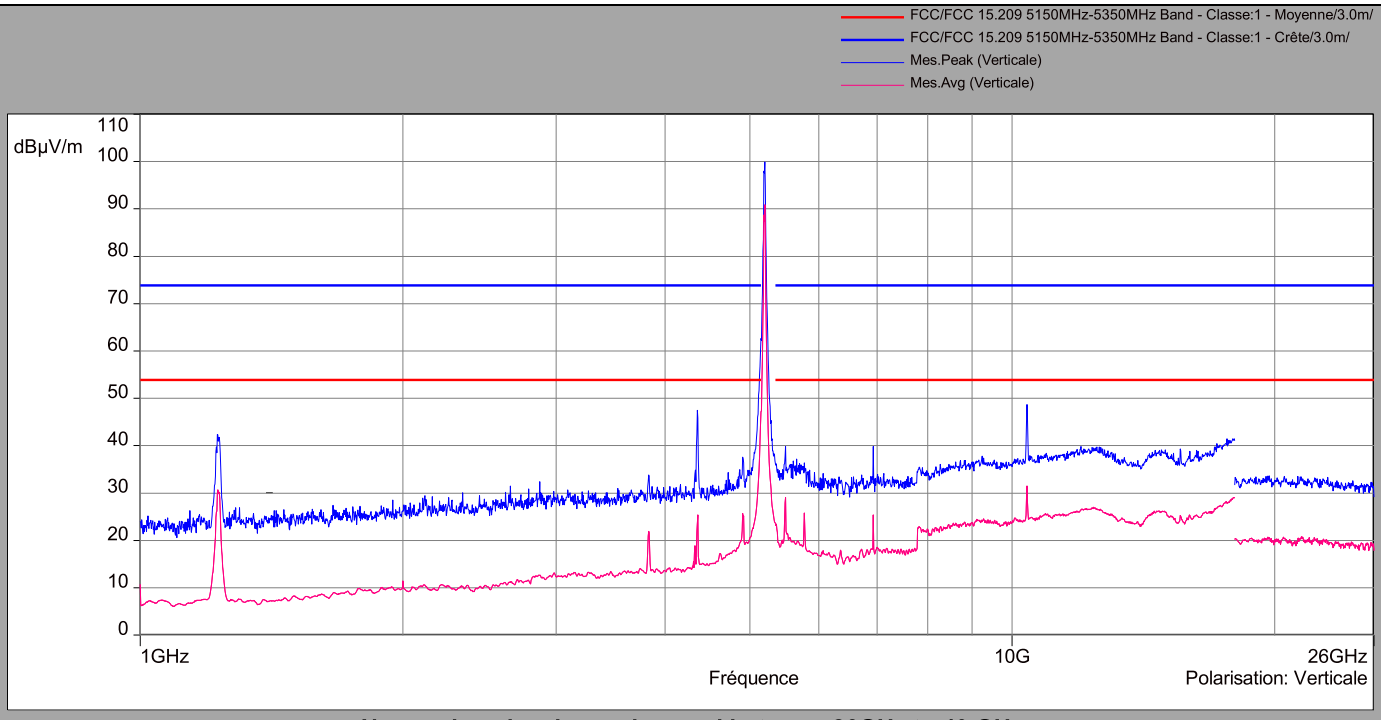
No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



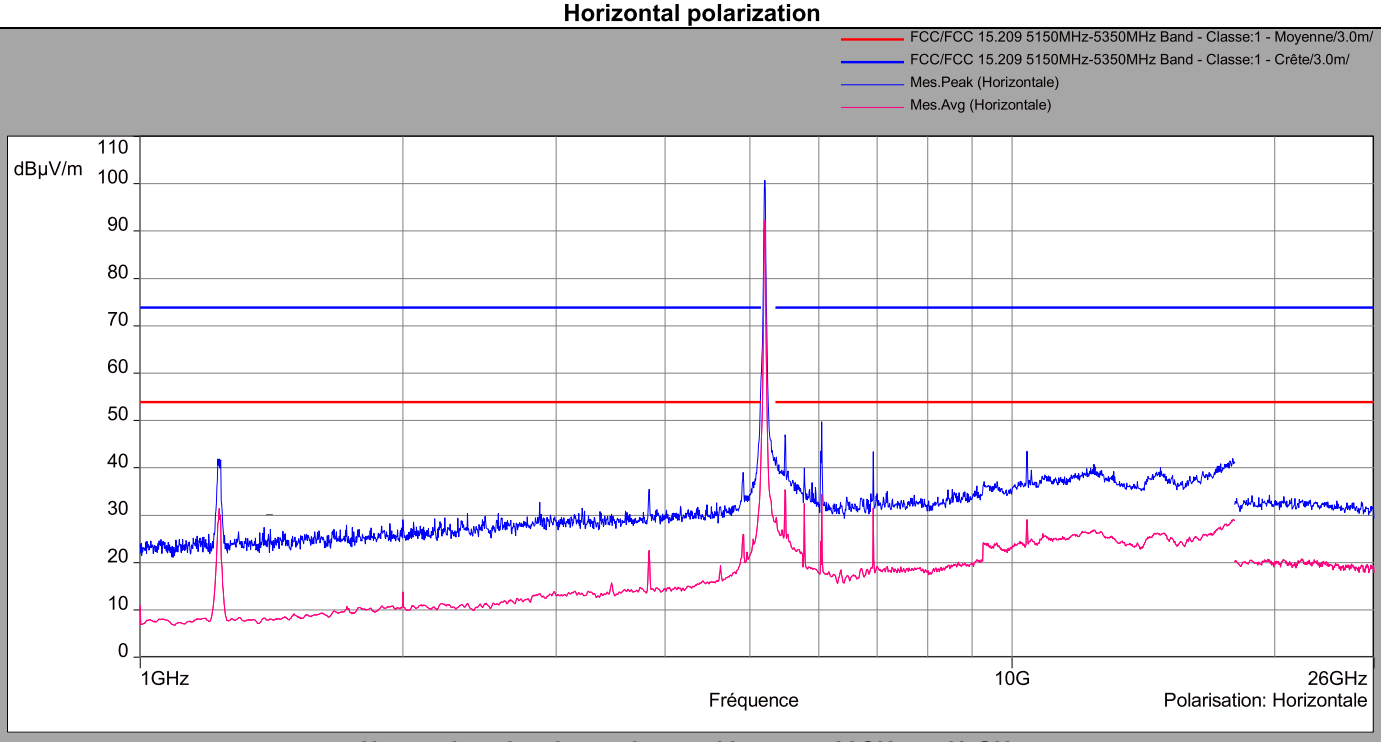
No spurious has been observed between 26GHz to 40 GHz

Above 1GHz
802.11a
C2
Vertical Polarization



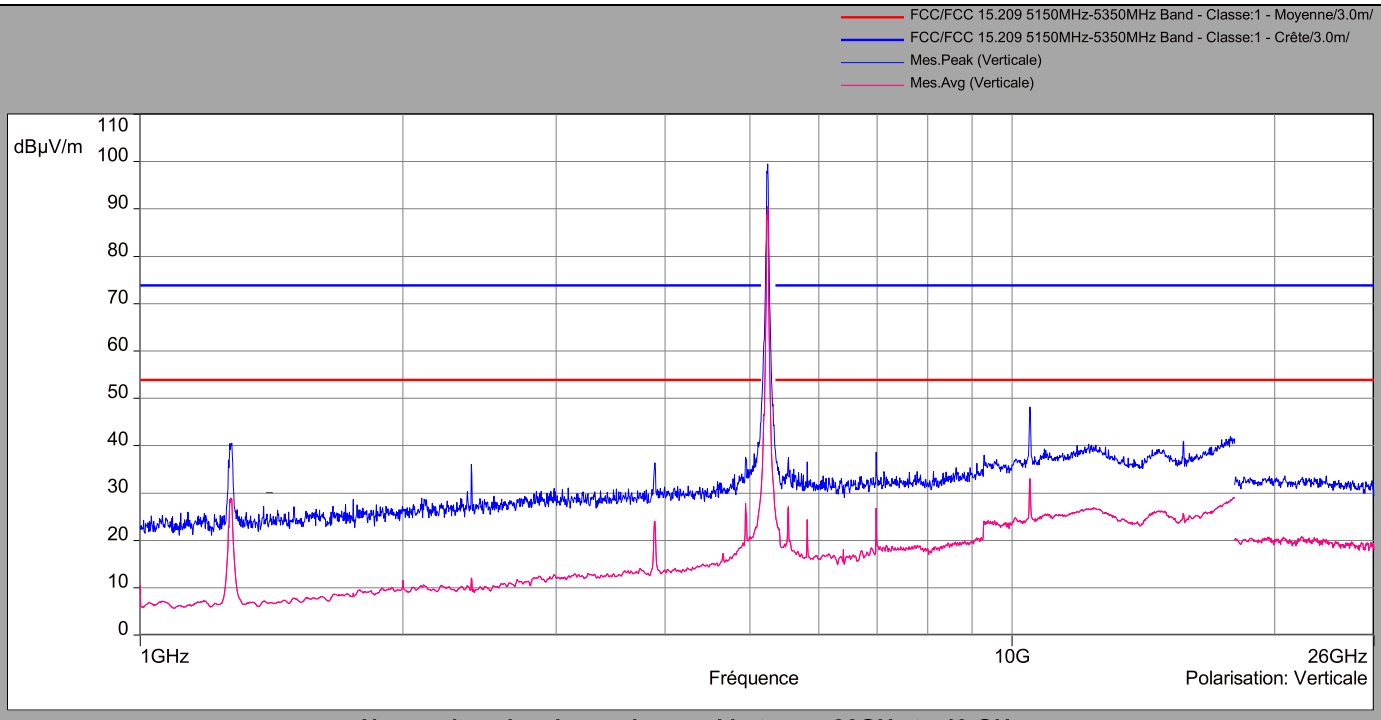
No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



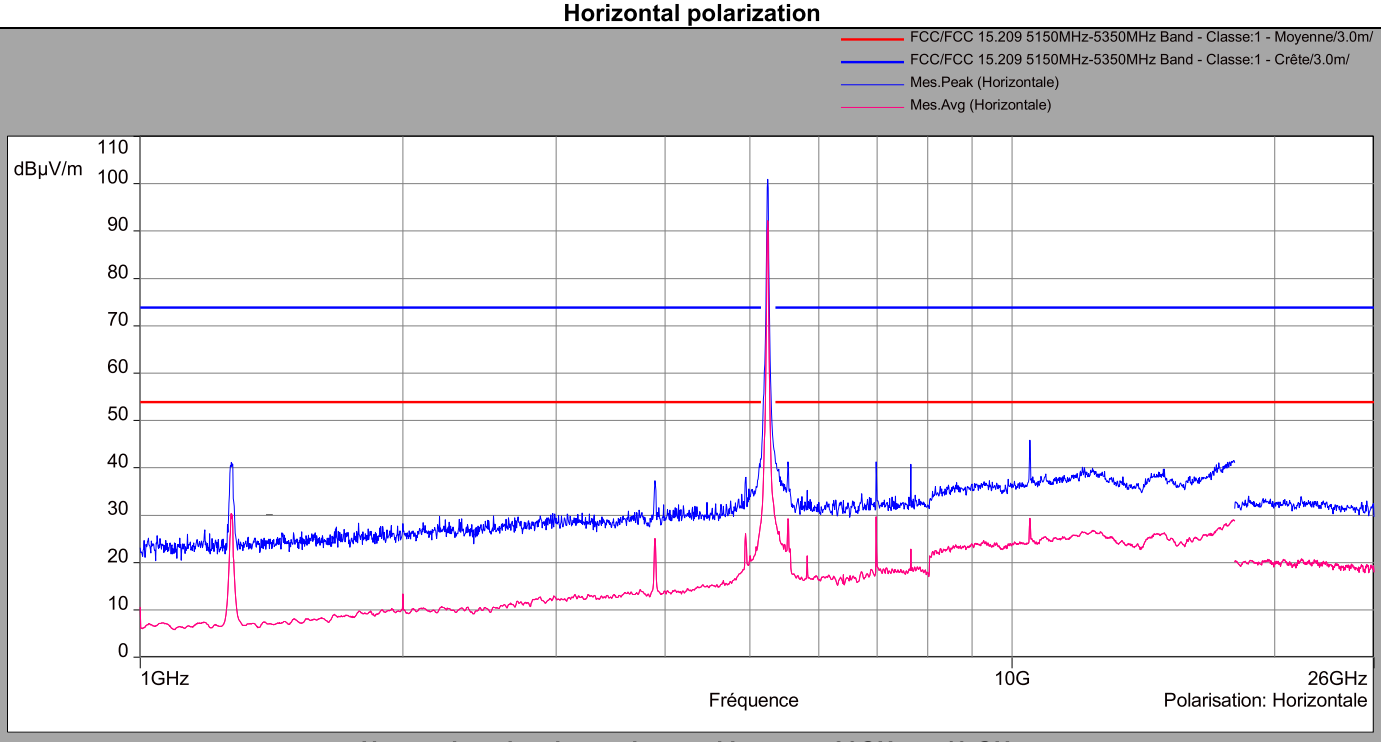
No spurious has been observed between 26GHz to 40 GHz

Above 1GHz
802.11a
C3
Vertical Polarization



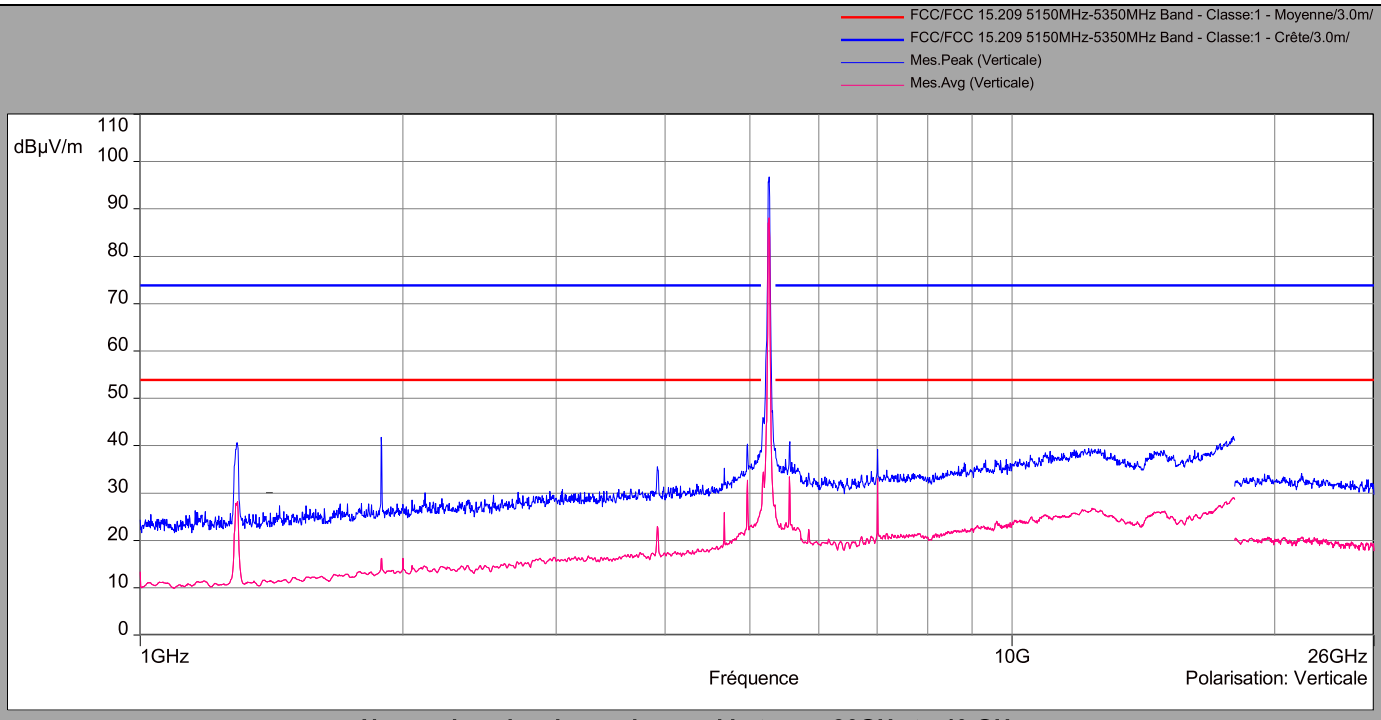
No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



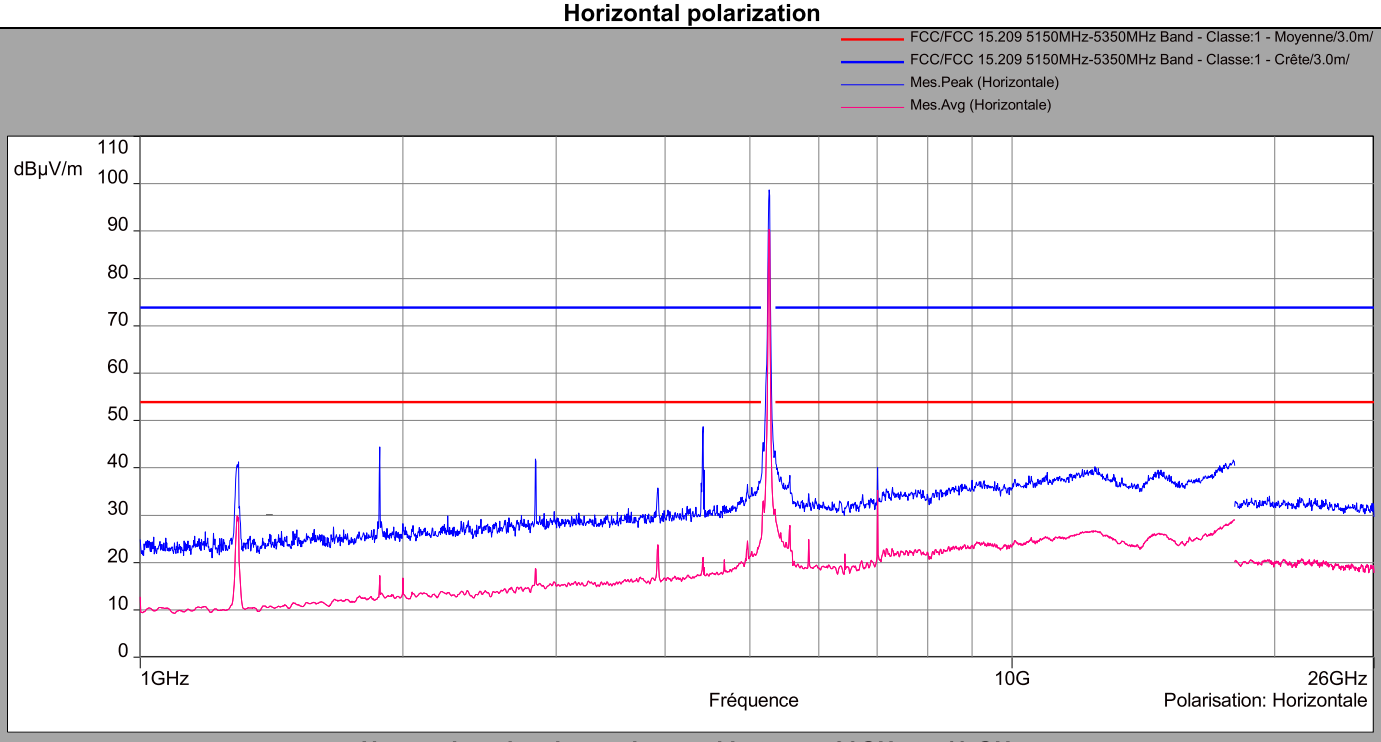
No spurious has been observed between 26GHz to 40 GHz

Above 1GHz
802.11a
C4
Vertical Polarization



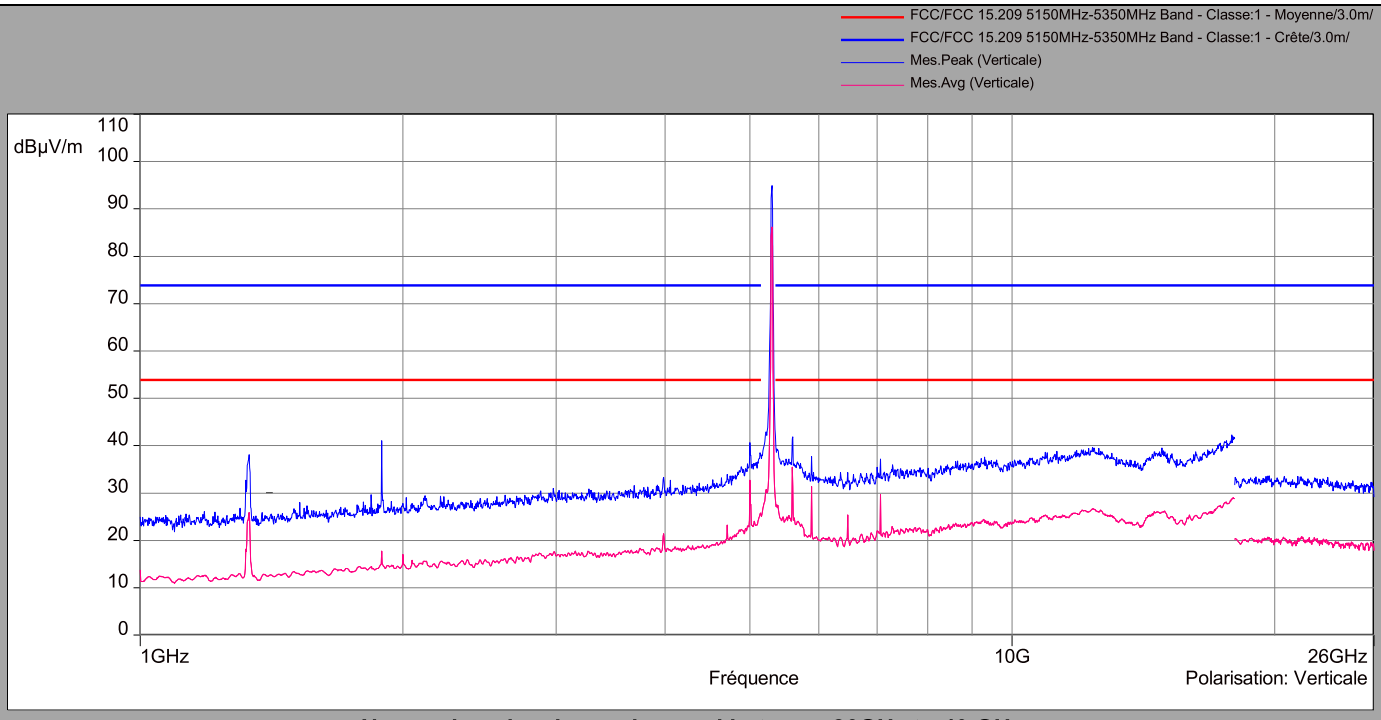
No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



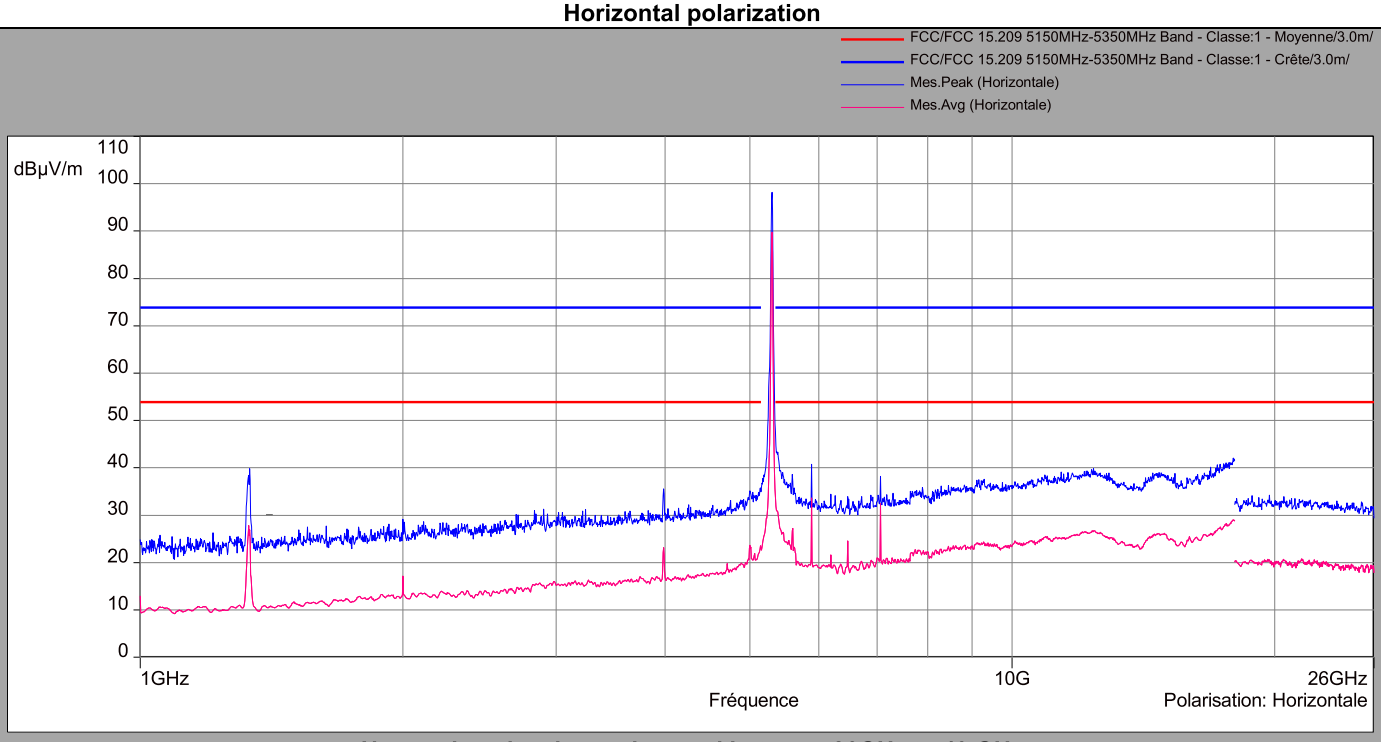
No spurious has been observed between 26GHz to 40 GHz

Above 1GHz
802.11a
C5
Vertical Polarization



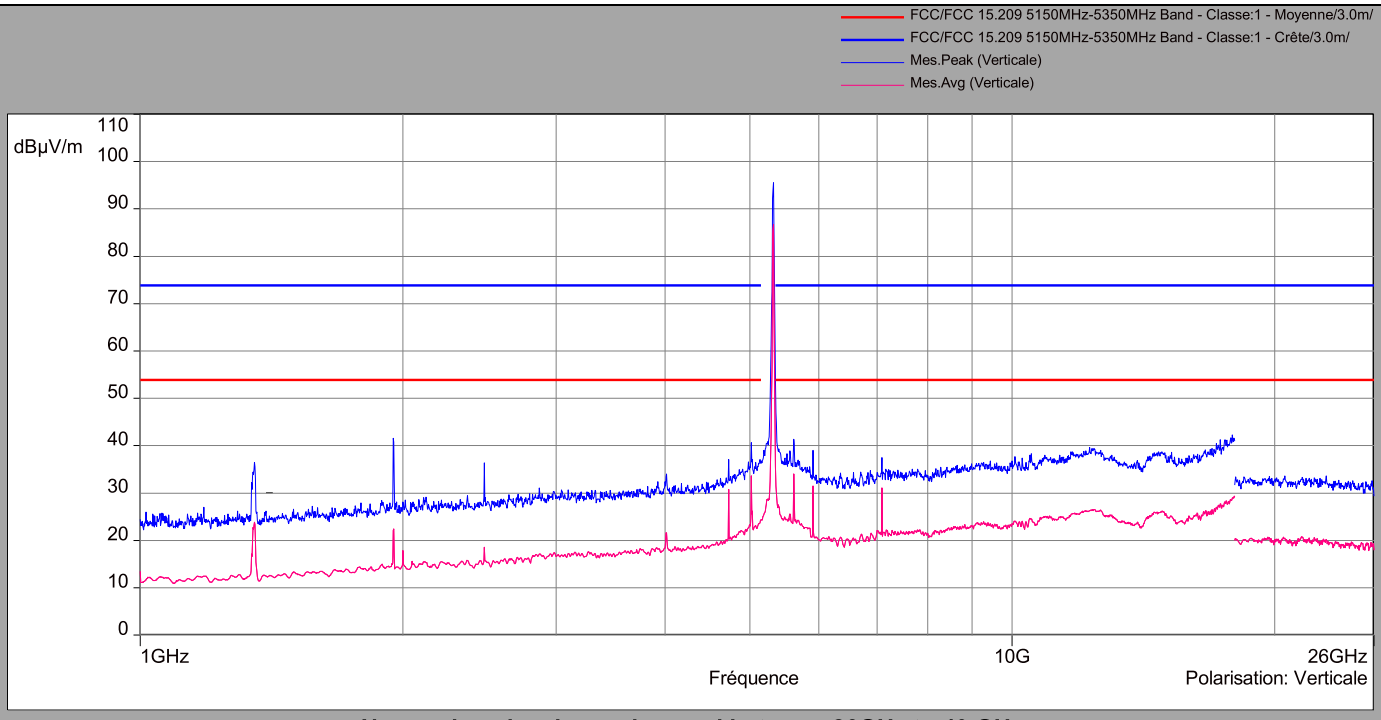
No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



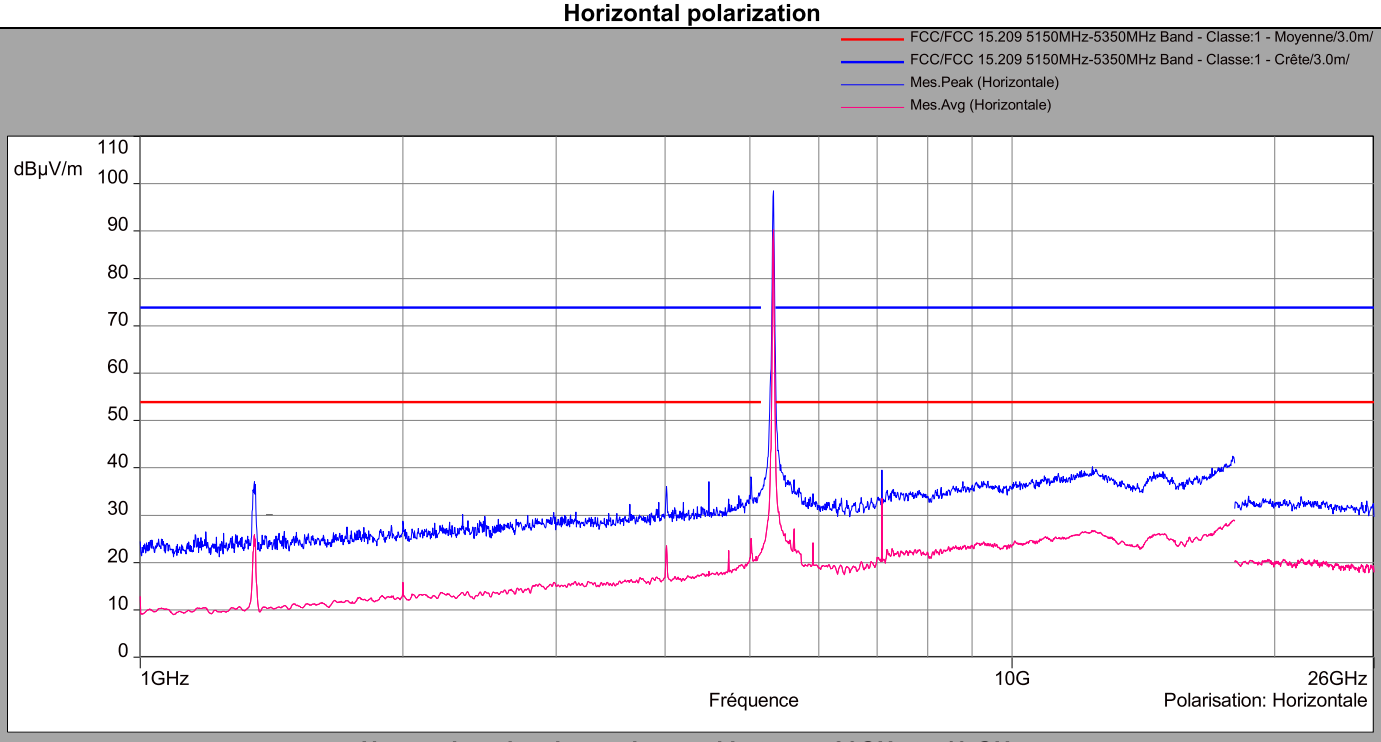
No spurious has been observed between 26GHz to 40 GHz

Above 1GHz
802.11a
C6
Vertical Polarization



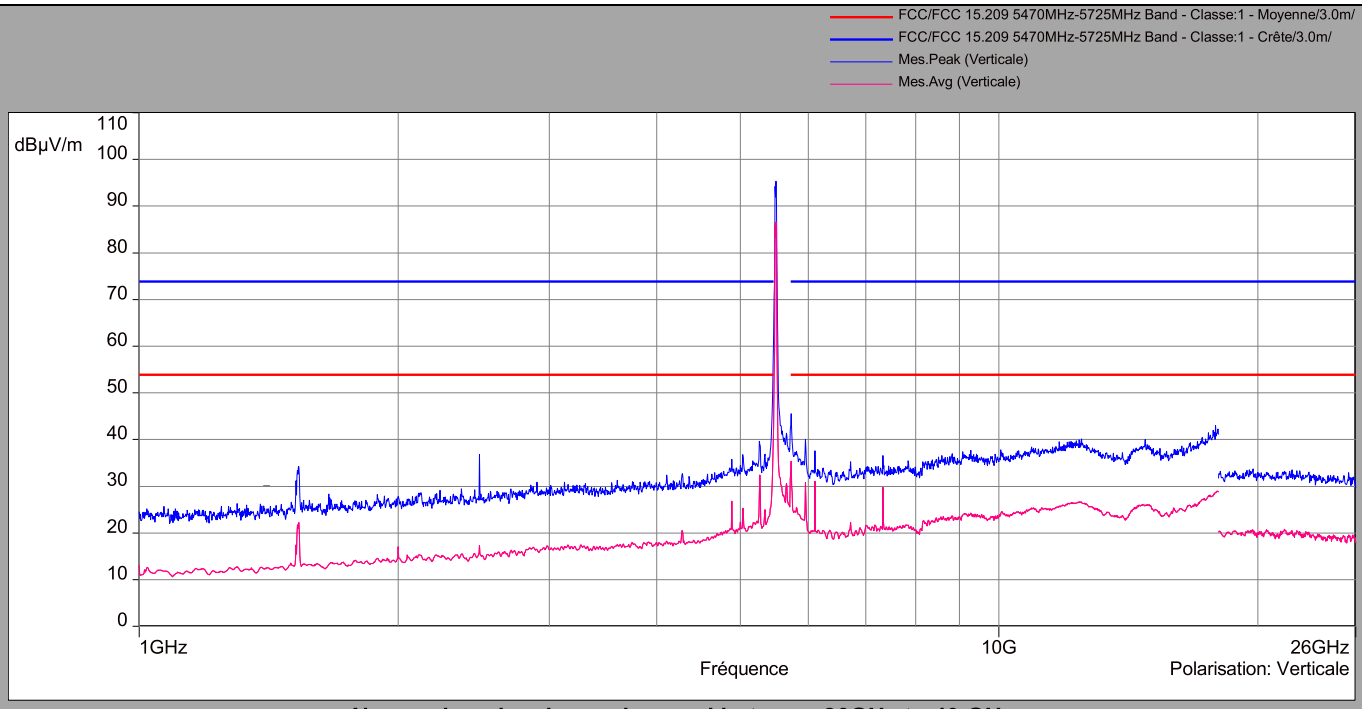
No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



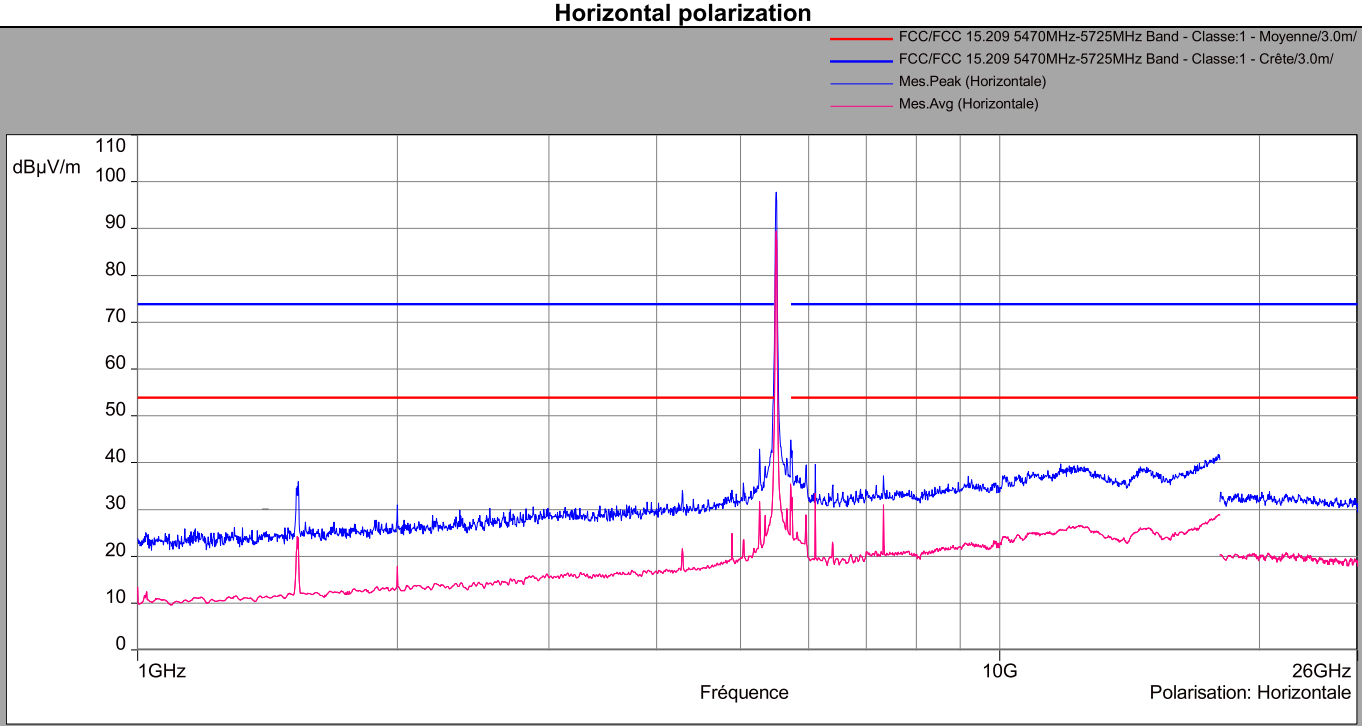
No spurious has been observed between 26GHz to 40 GHz

Above 1GHz
802.11a
C7
Vertical Polarization



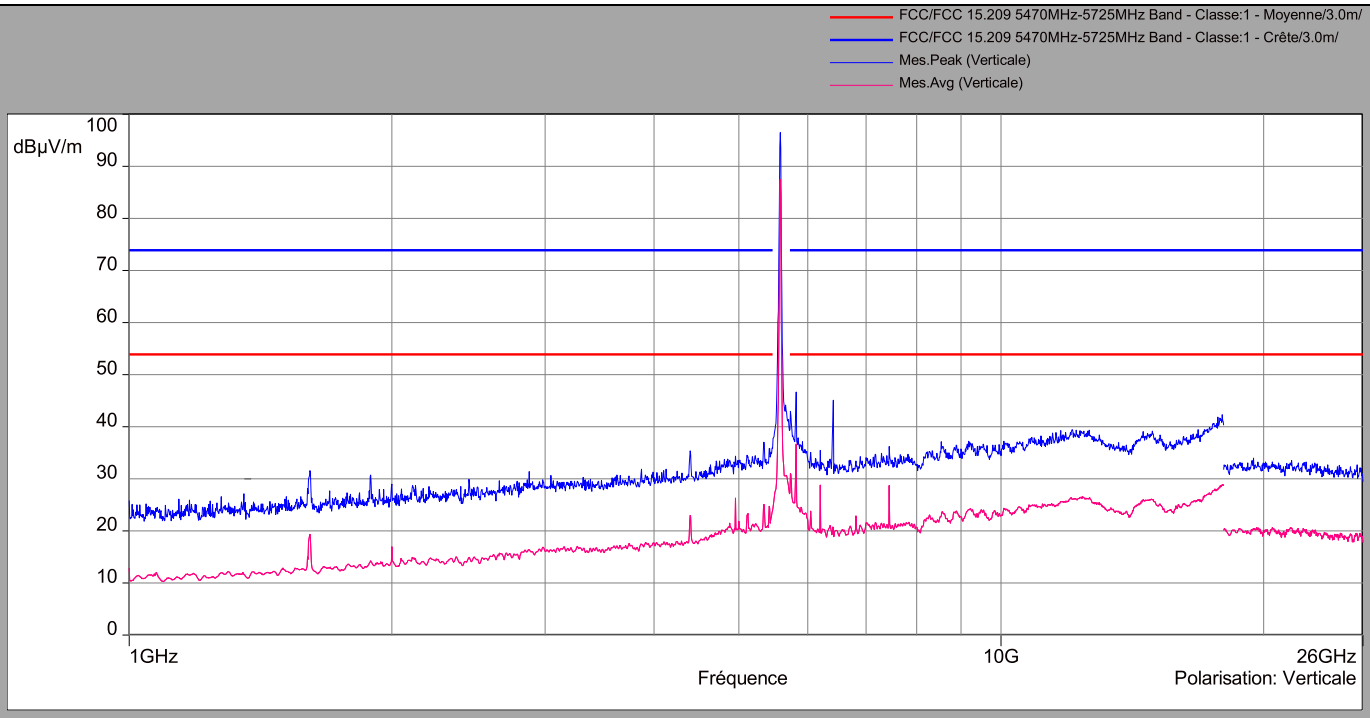
No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



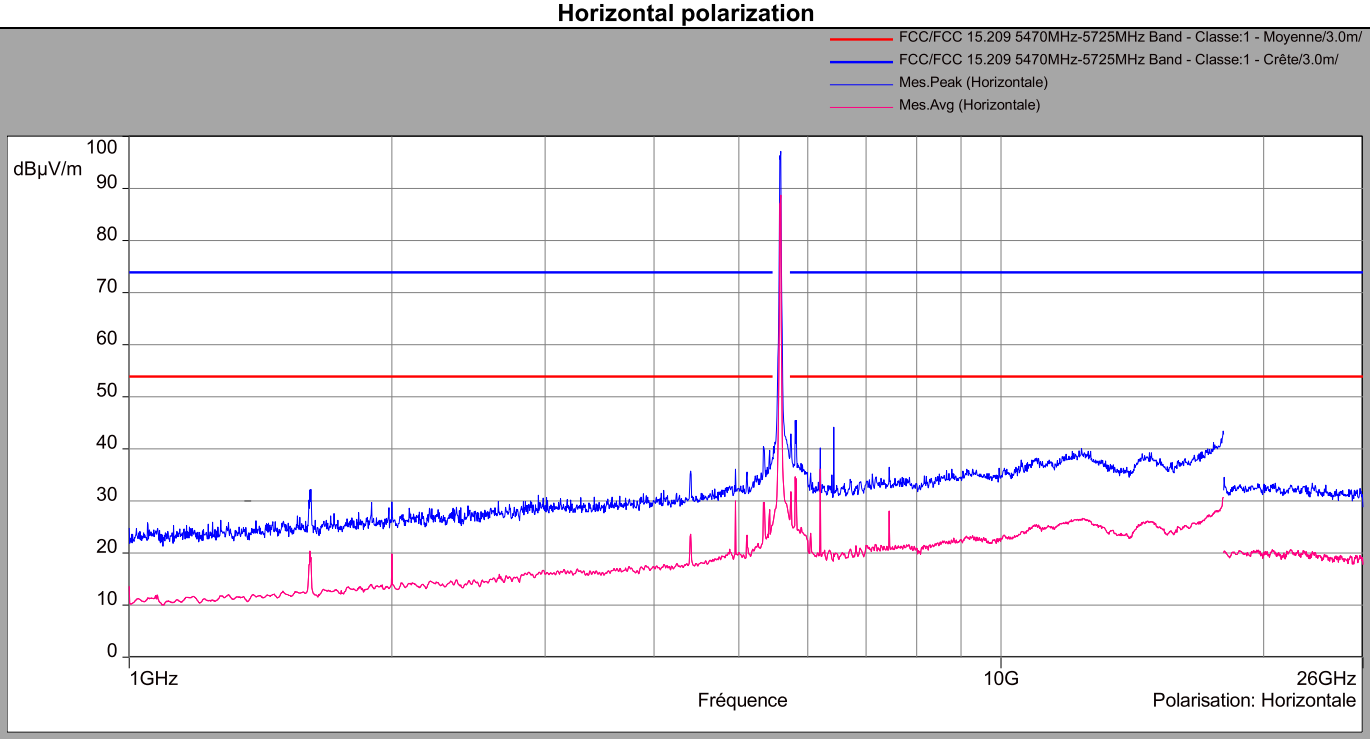
No spurious has been observed between 26GHz to 40 GHz

Above 1GHz
802.11a
C8
Vertical Polarization



No spurious has been observed between 26GHz to 40 GHz

Horizontal polarization



No spurious has been observed between 26GHz to 40 GHz