

802.11ac mode

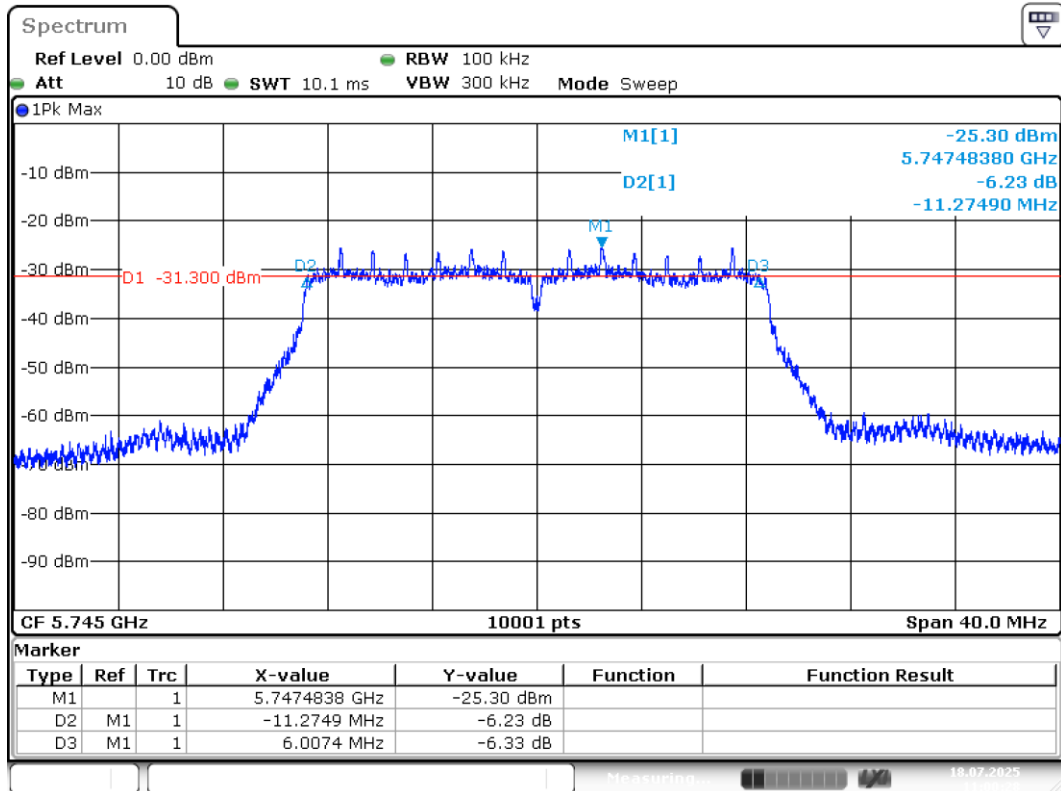
EUT	Channel	Frequency (MHz)	6dB Emissions Bandwidth (MHz)
Sample 1	Ch 149	5745	17.282
Sample 1	Ch 157	5785	17.174
Sample 1	Ch 165	5825	17.154

EUT	Channel	Frequency (MHz)	26 dB Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	21.042
Sample 1	Ch 40	5200	21.058
Sample 1	Ch 48	5240	20.942
Sample 1	Ch 52	5260	21.050
Sample 1	Ch 60	5300	20.946
Sample 1	Ch 64	5320	20.910
Sample 1	Ch 100	5500	21.601
Sample 1	Ch 124	5620	20.974
Sample 1	Ch 140	5700	21.010

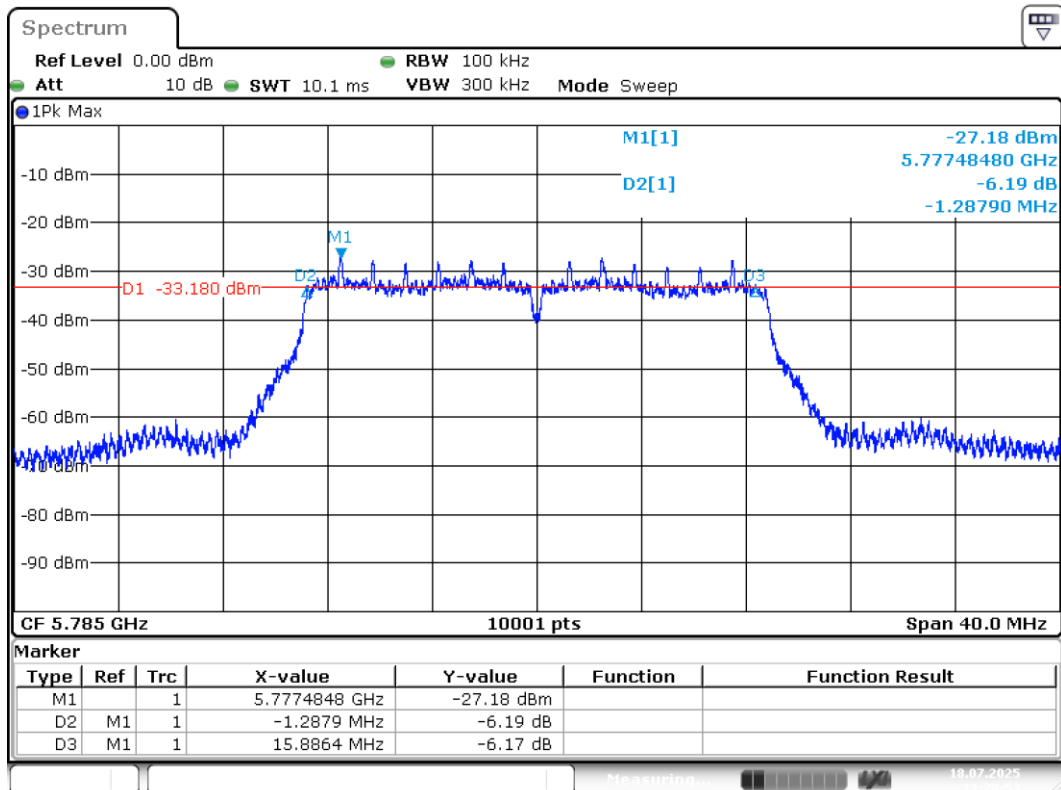
EUT	Channel	Frequency (MHz)	99% Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	17.826
Sample 1	Ch 40	5200	17.790
Sample 1	Ch 48	5240	17.774
Sample 1	Ch 52	5260	17.782
Sample 1	Ch 60	5300	17.746
Sample 1	Ch 64	5320	17.742
Sample 1	Ch 100	5500	17.814
Sample 1	Ch 124	5620	17.746
Sample 1	Ch 140	5700	17.758
Sample 1	Ch 149	5745	17.738
Sample 1	Ch 157	5785	17.770
Sample 1	Ch 165	5825	17.738

Sample N° 1

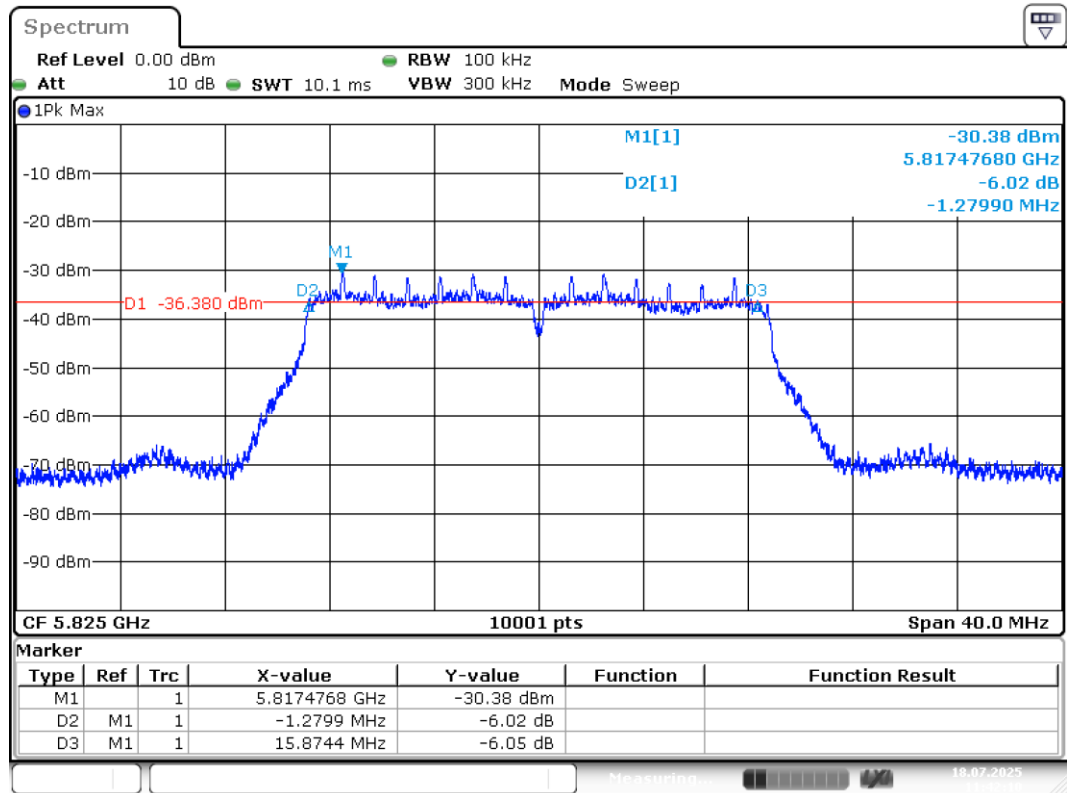
6dB bandwidth – Channel 5745 MHz – 802.11ac



6dB bandwidth – Channel 5785 MHz – 802.11ac



6dB bandwidth – Channel 5825 MHz – 802.11ac

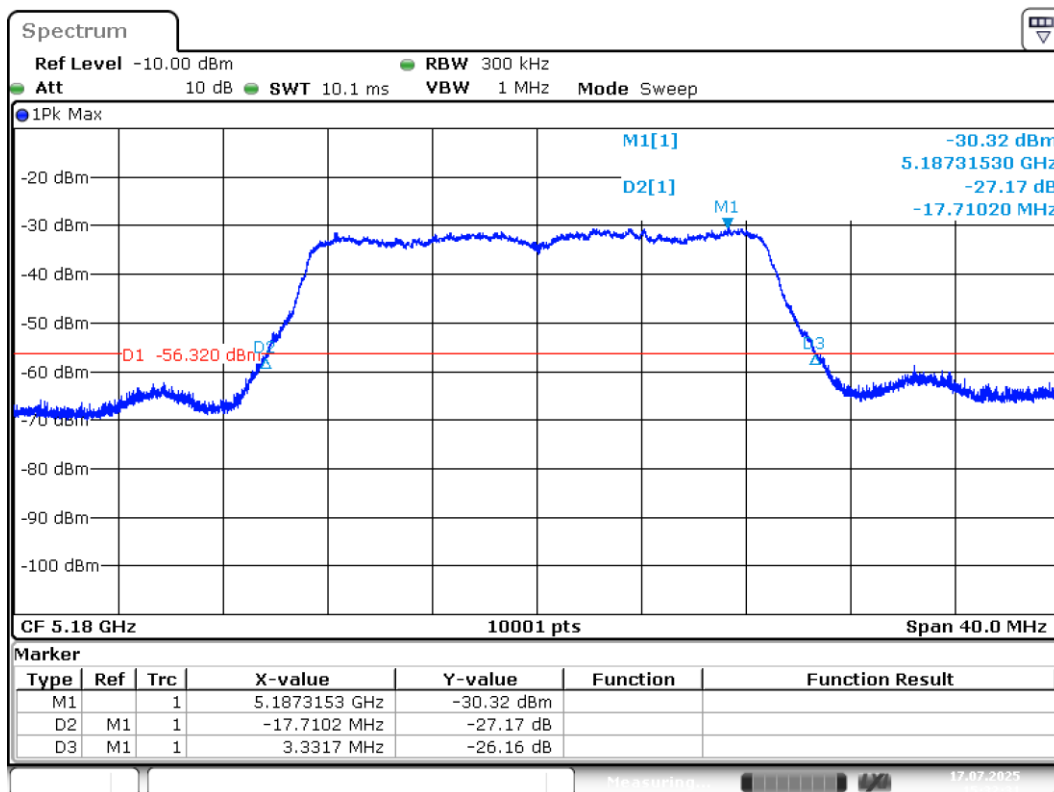


Limit:

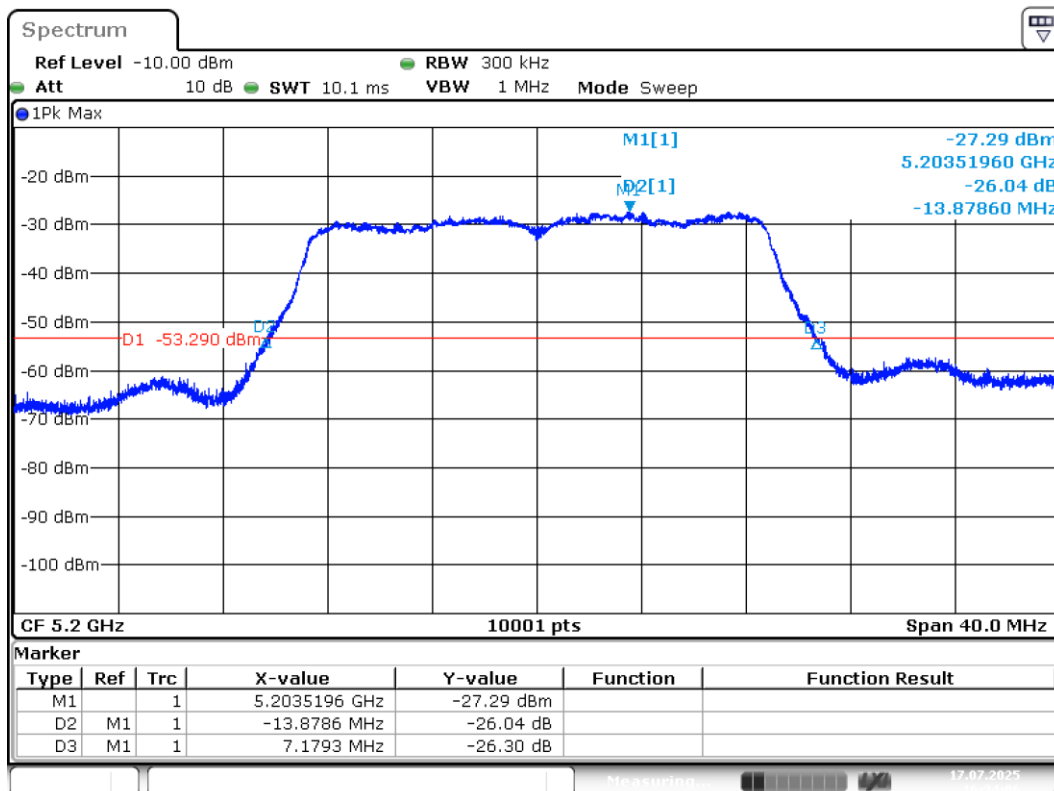
Shall be at least 500 kHz

Sample N° 1

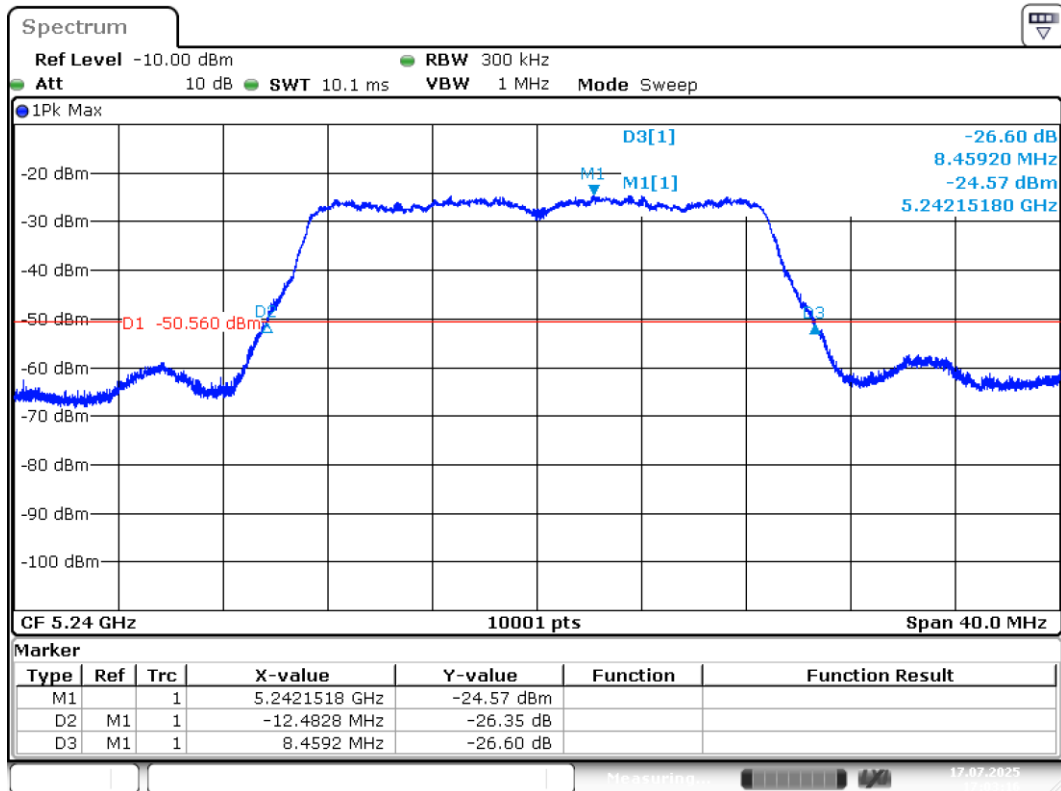
26dB bandwidth – Channel 5180 MHz – 802.11ac



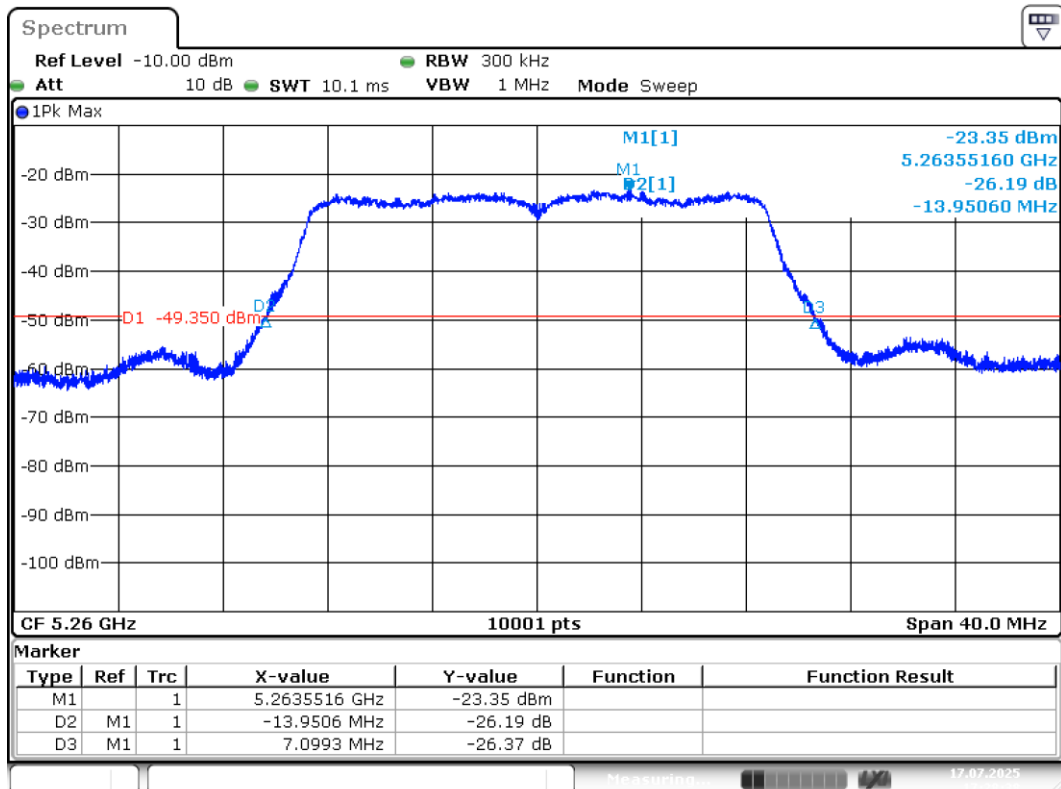
26dB bandwidth – Channel 5200 MHz – 802.11ac



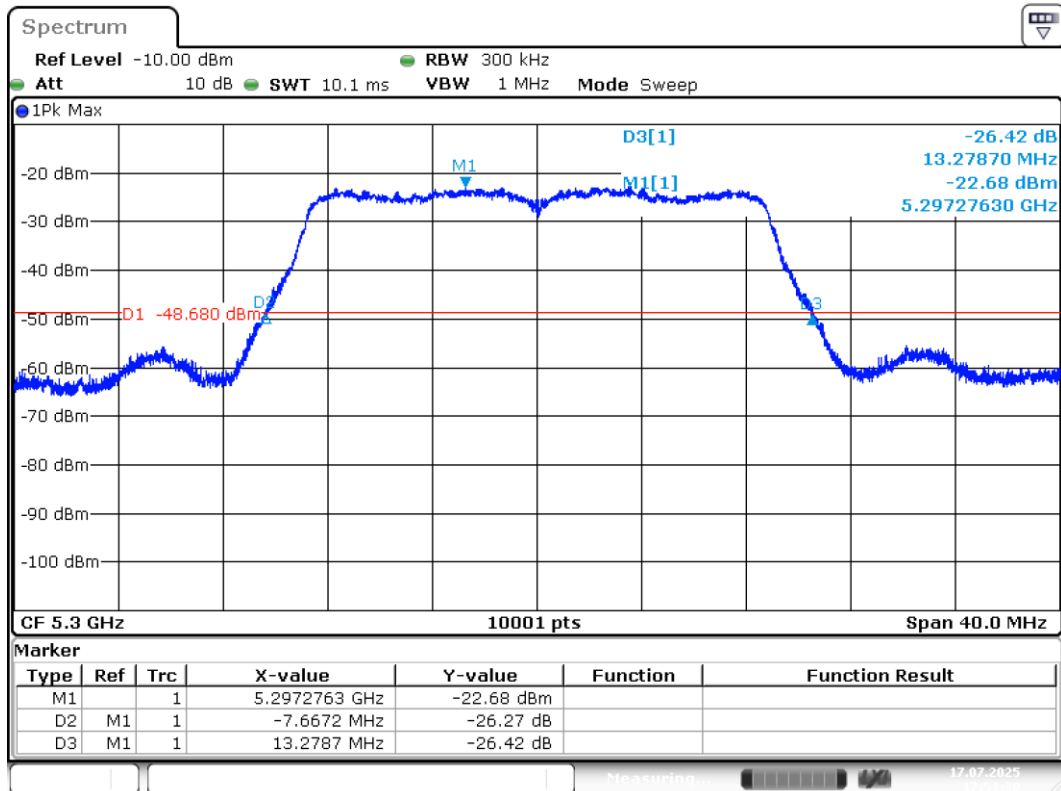
26dB bandwidth – Channel 5240 MHz – 802.11ac



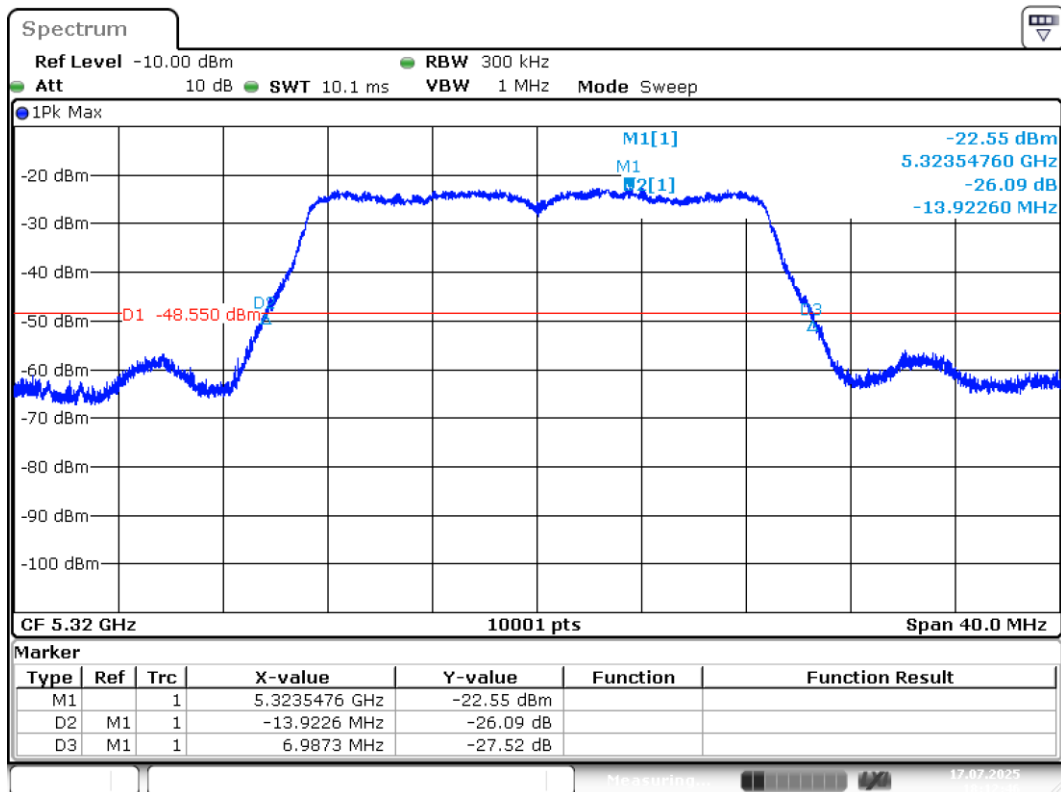
26dB bandwidth – Channel 5260 MHz – 802.11ac



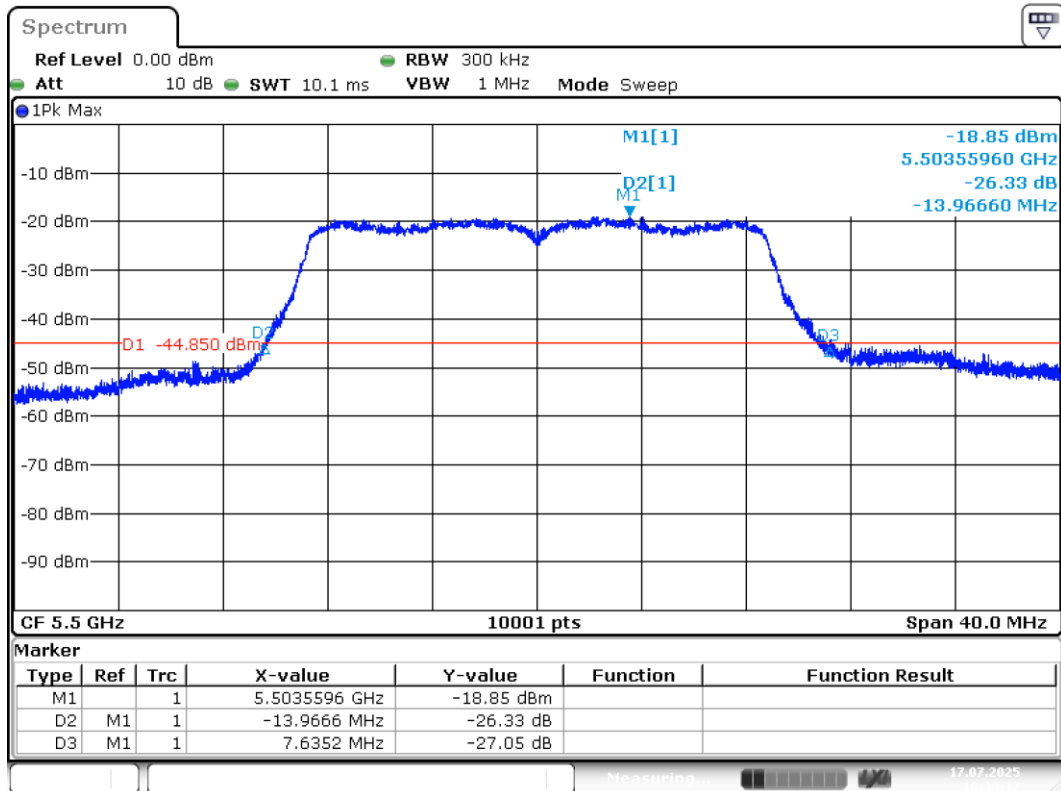
26dB bandwidth – Channel 5300 MHz – 802.11ac



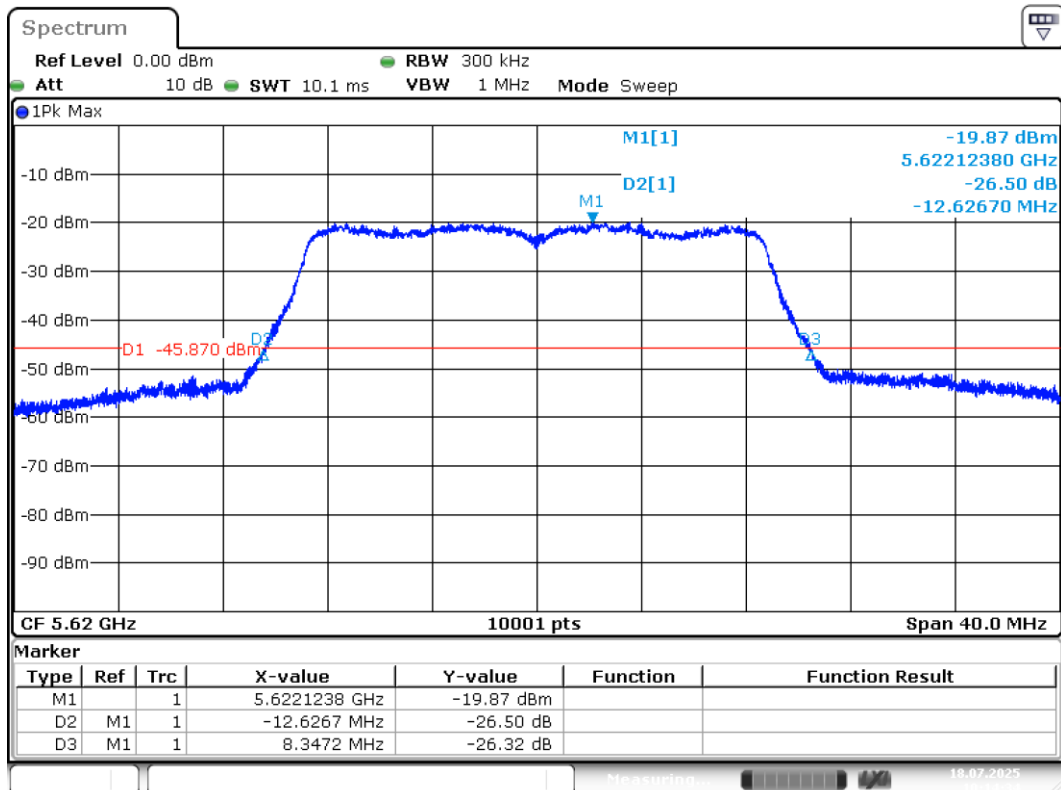
26dB bandwidth – Channel 5320 MHz – 802.11ac



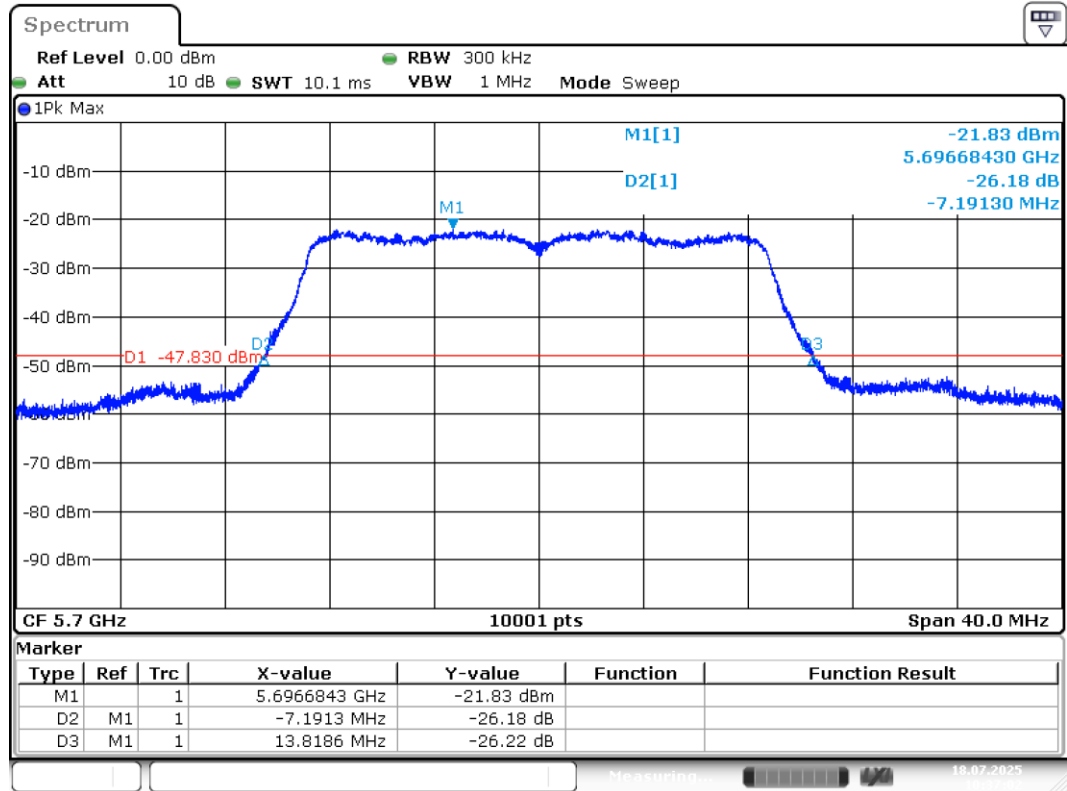
26dB bandwidth – Channel 5500 MHz – 802.11ac



26dB bandwidth – Channel 5620 MHz – 802.11ac



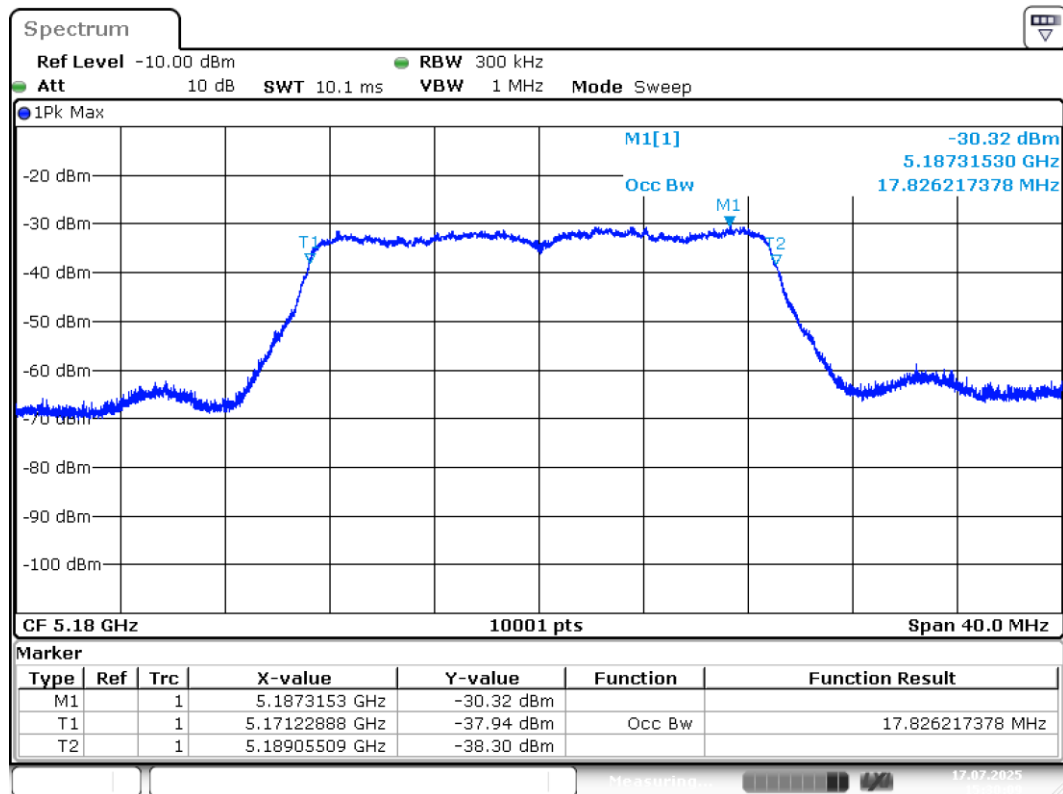
26dB bandwidth – Channel 5700 MHz – 802.11ac



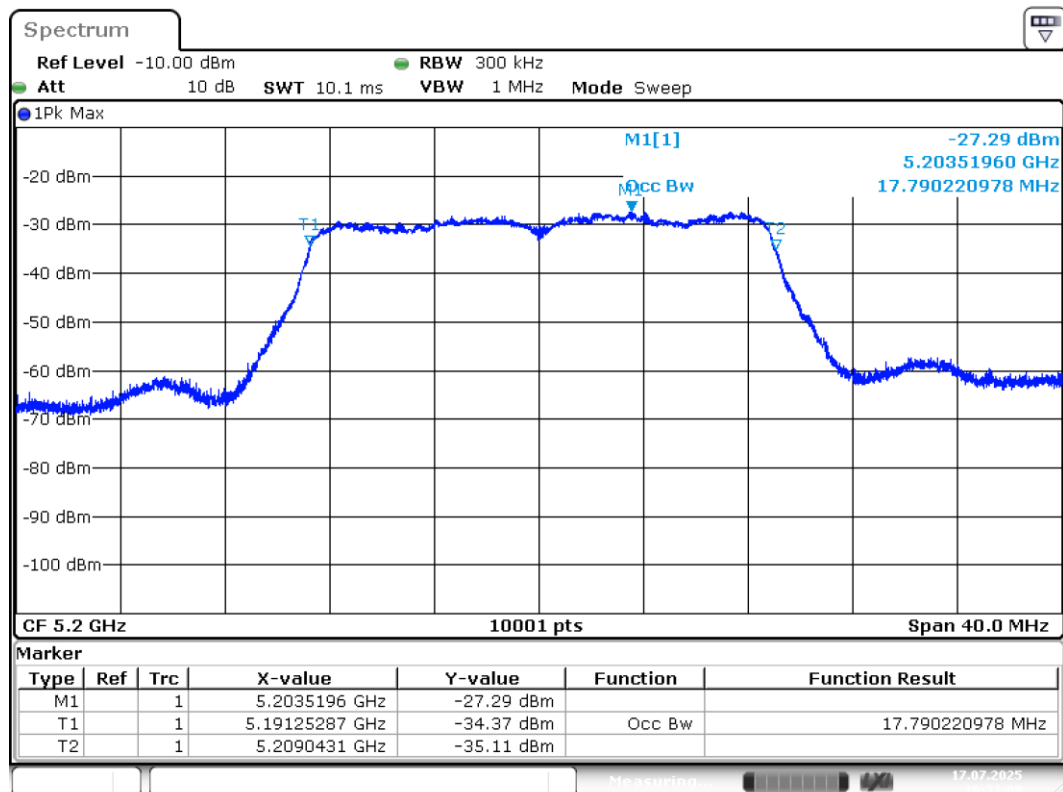
Measure realized for reporting only

Sample N° 1

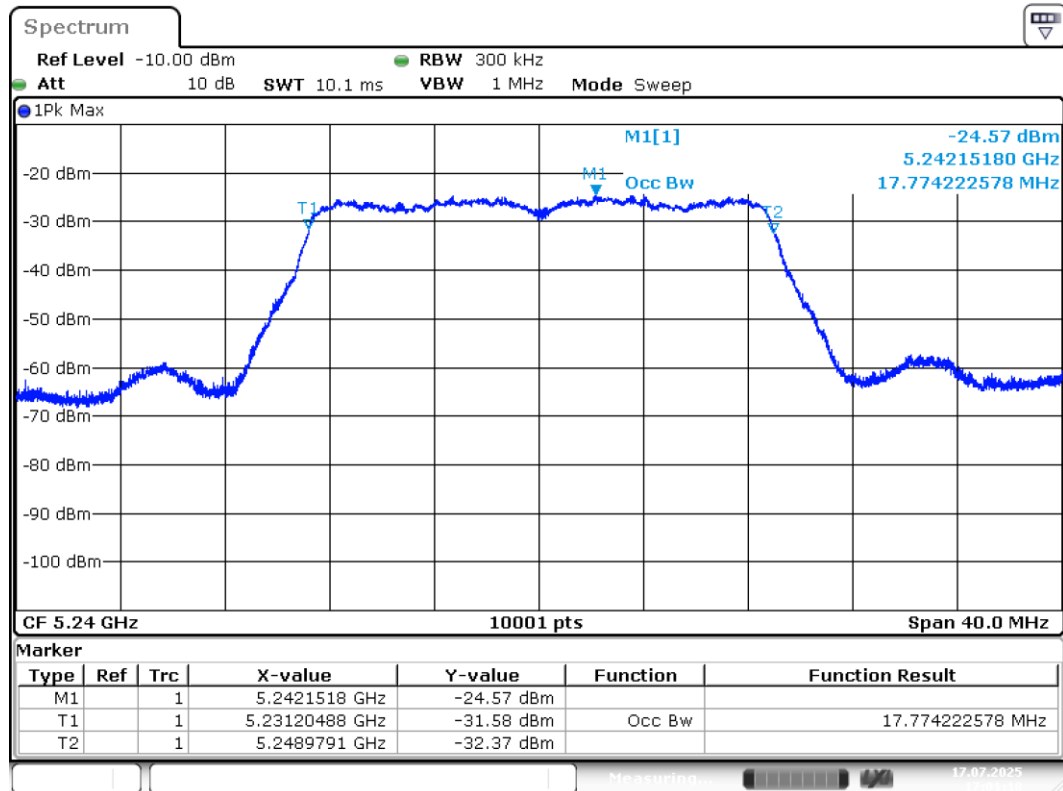
99% bandwidth – Channel 5180 MHz – 802.11ac



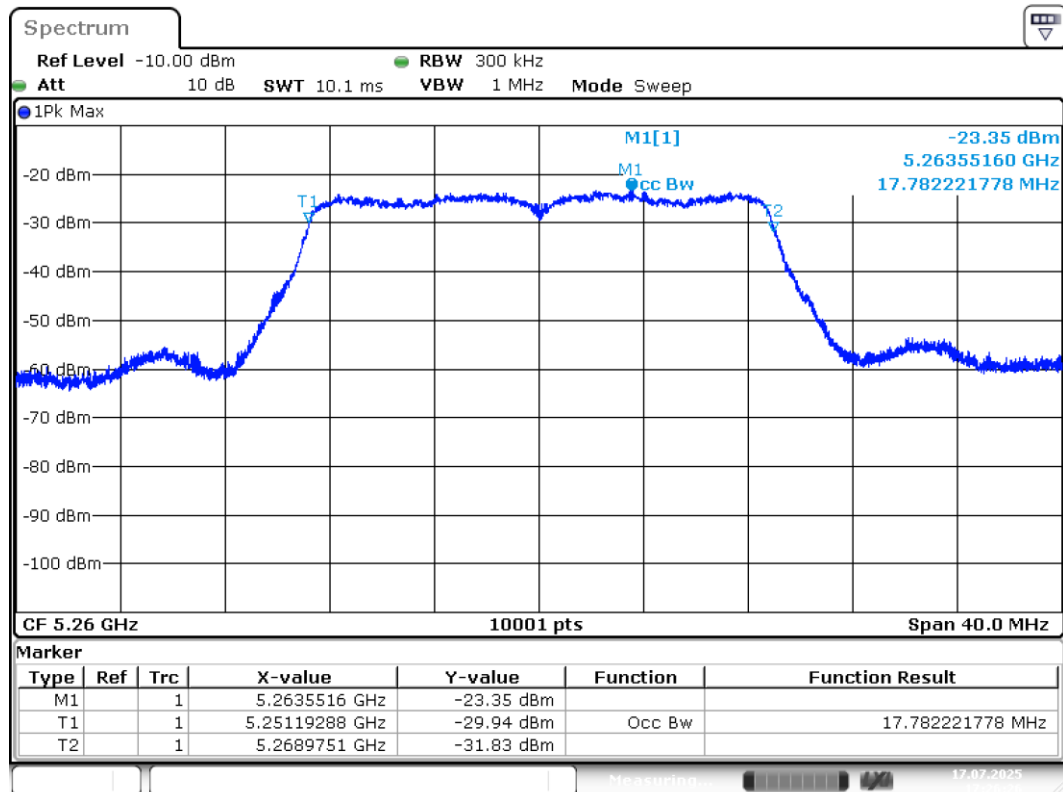
99% bandwidth – Channel 5200 MHz – 802.11ac



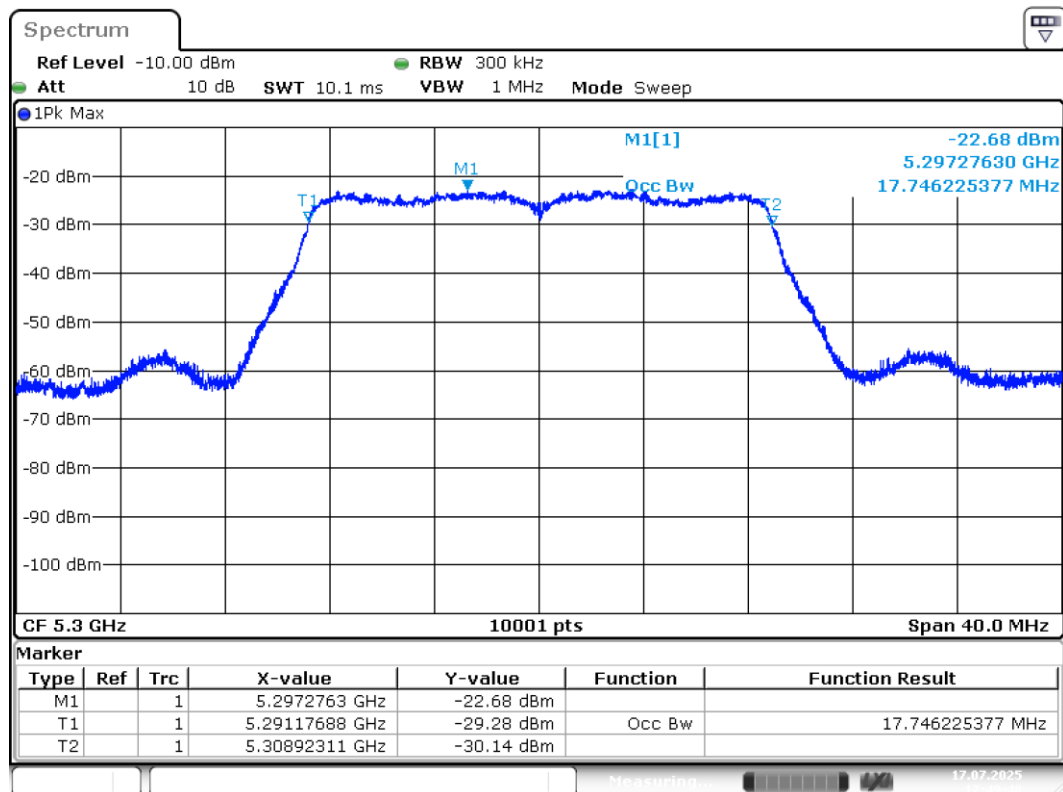
99% bandwidth – Channel 5240 MHz – 802.11ac



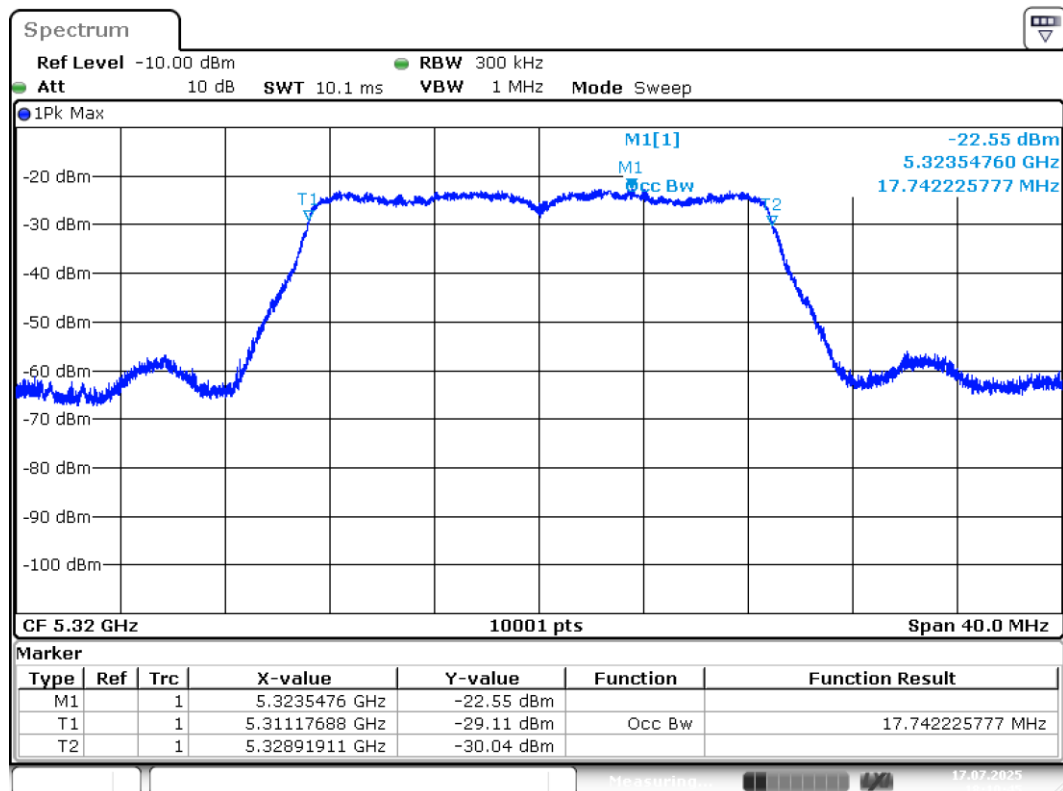
99% bandwidth – Channel 5260 MHz – 802.11ac



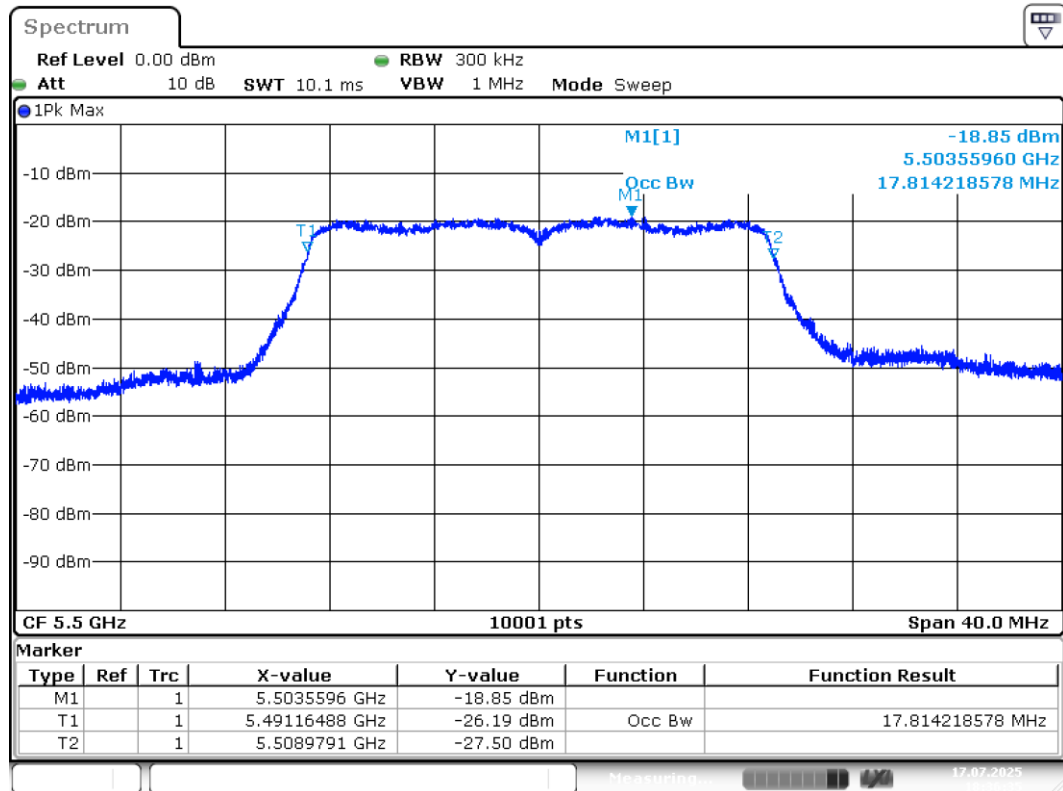
99% bandwidth – Channel 5300 MHz – 802.11ac



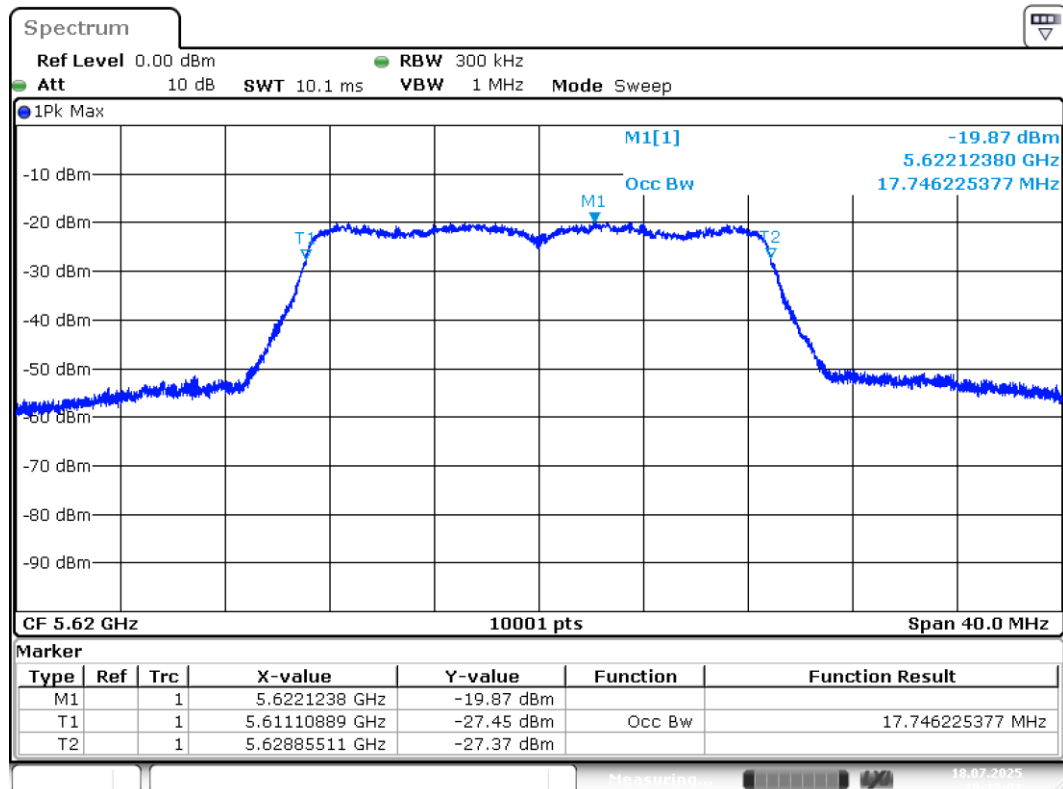
99% bandwidth – Channel 5320 MHz – 802.11ac



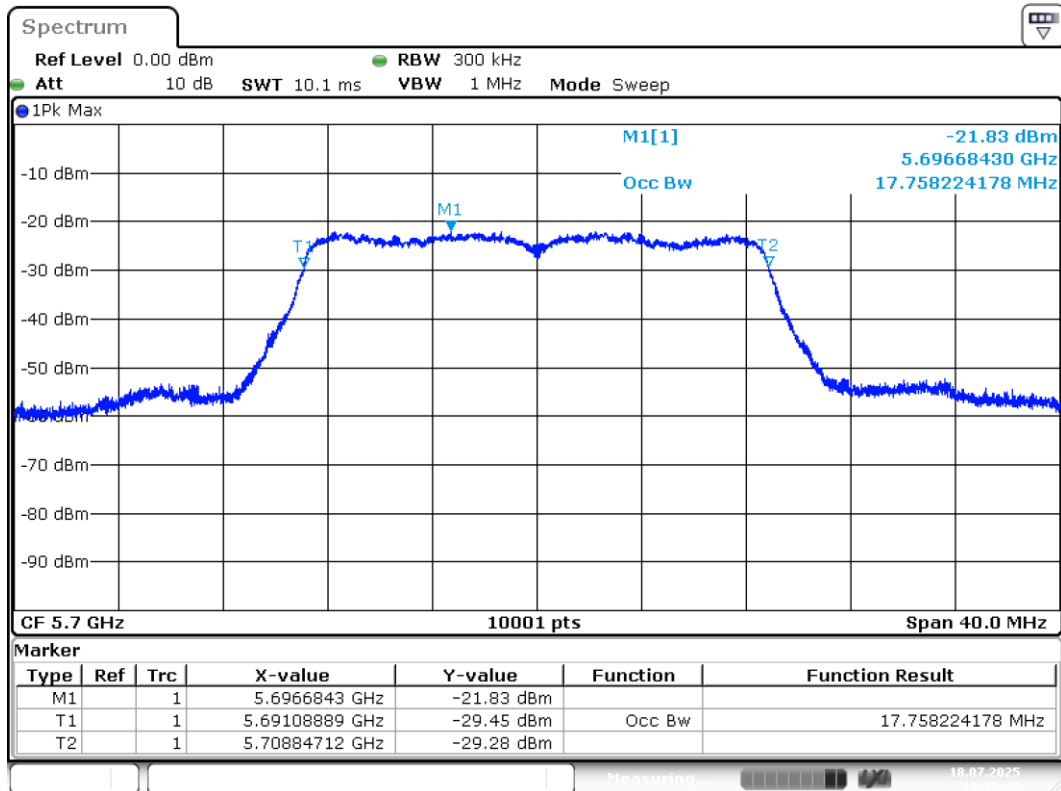
99% bandwidth – Channel 5500 MHz – 802.11ac



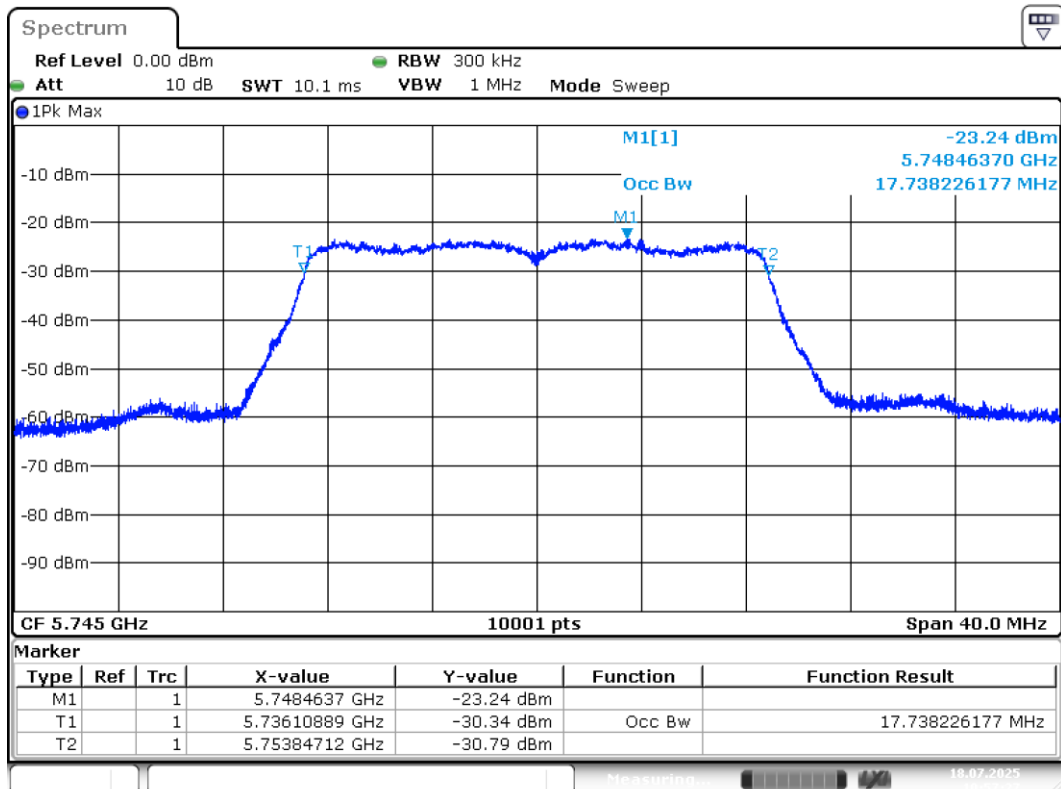
99% bandwidth – Channel 5620 MHz – 802.11ac



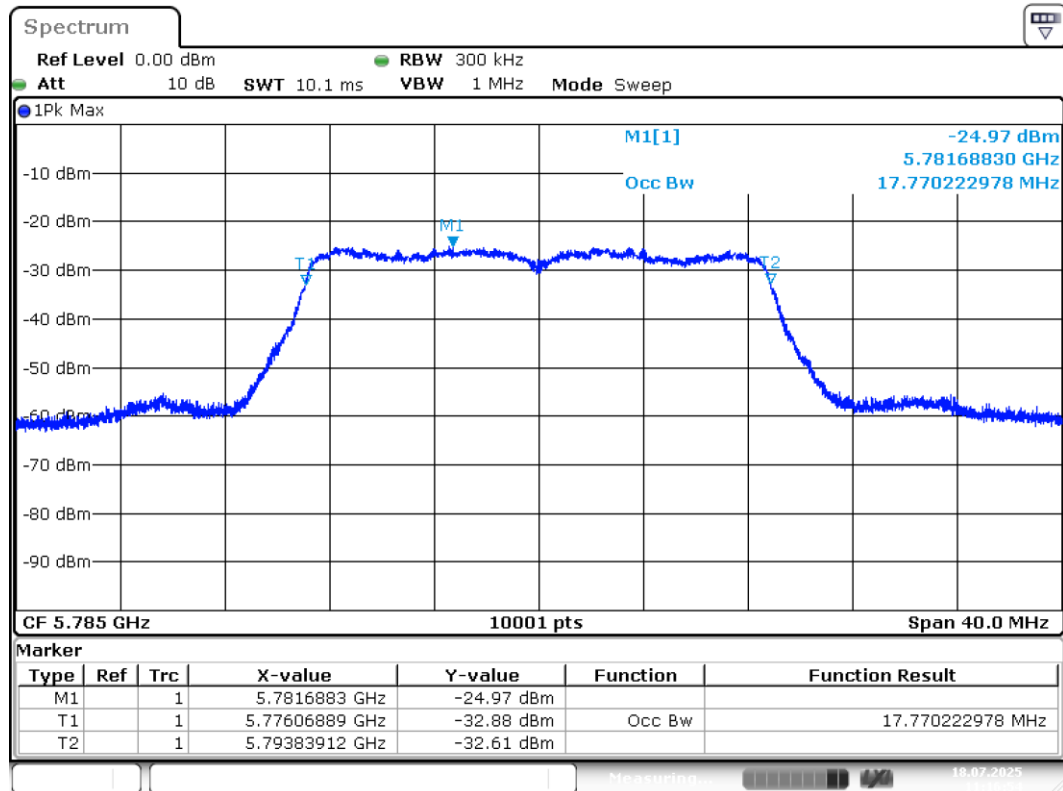
99% bandwidth – Channel 5700 MHz – 802.11ac



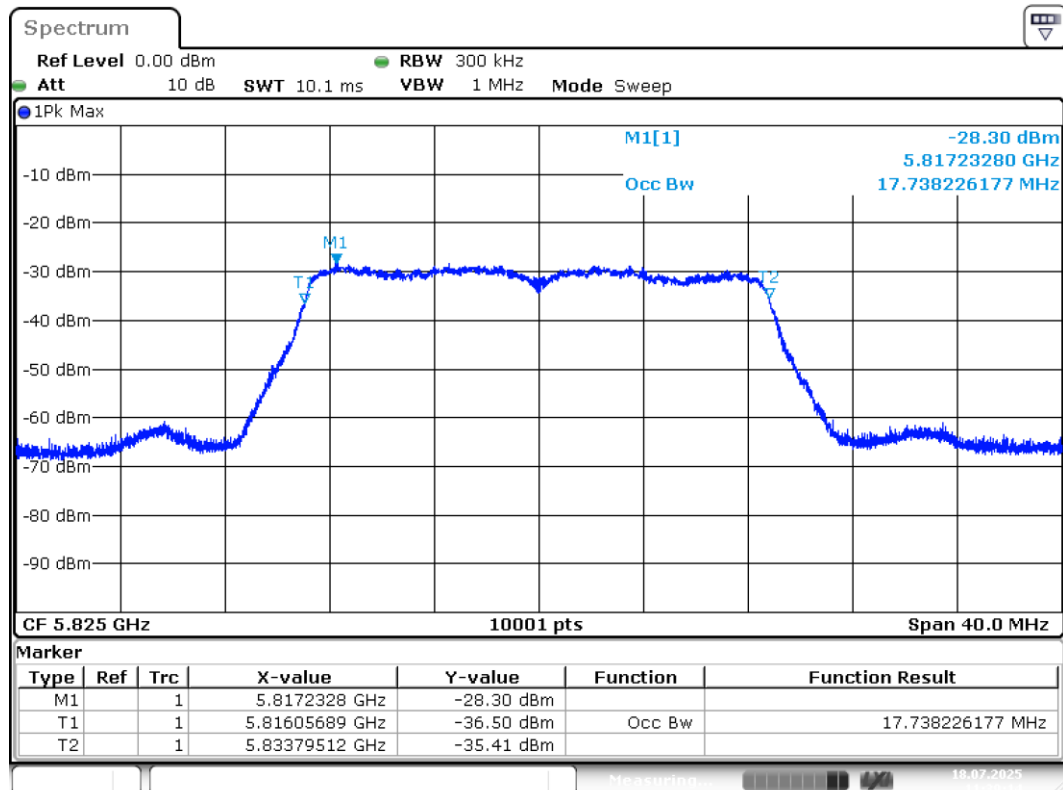
99% bandwidth – Channel 5745 MHz – 802.11ac



99% bandwidth – Channel 5785 MHz – 802.11ac



99% bandwidth – Channel 5825 MHz – 802.11ac



Measure realized for reporting only

802.11ax mode

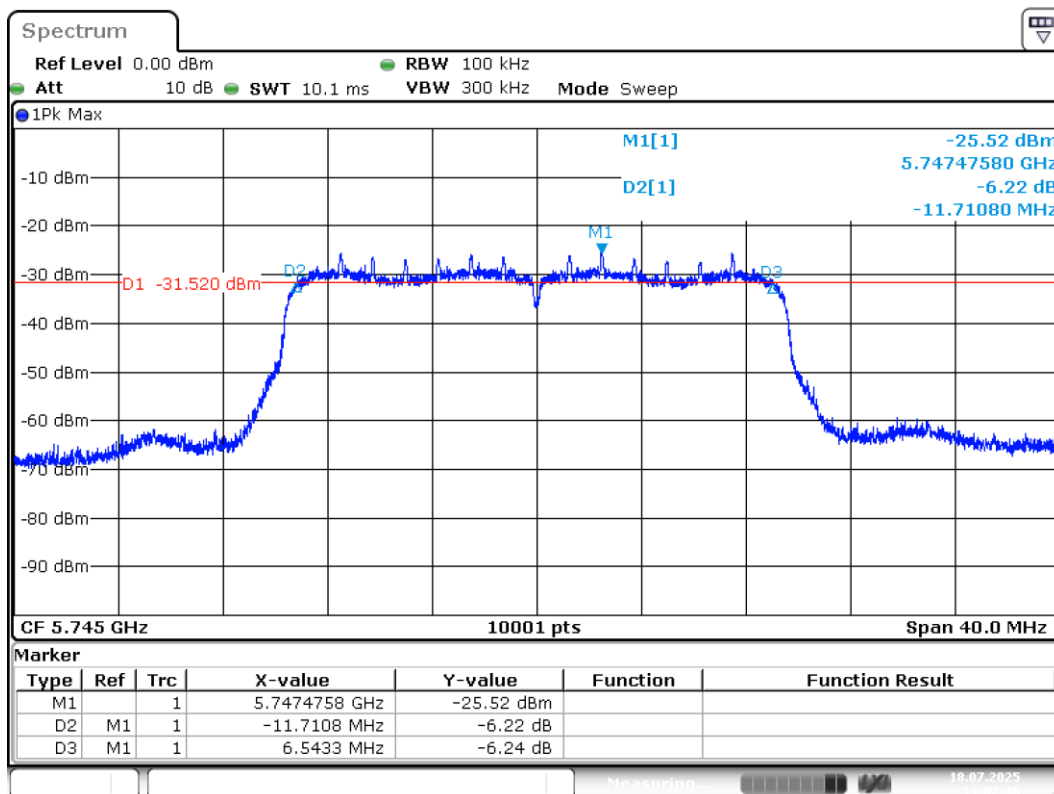
EUT	Channel	Frequency (MHz)	6dB Emissions Bandwidth (MHz)
Sample 1	Ch 149	5745	18.254
Sample 1	Ch 157	5785	18.366
Sample 1	Ch 165	5825	17.978

EUT	Channel	Frequency (MHz)	26 dB Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	20.834
Sample 1	Ch 40	5200	20.850
Sample 1	Ch 48	5240	20.962
Sample 1	Ch 52	5260	21.109
Sample 1	Ch 60	5300	20.954
Sample 1	Ch 64	5320	20.882
Sample 1	Ch 100	5500	20.958
Sample 1	Ch 124	5620	20.994
Sample 1	Ch 140	5700	21.054

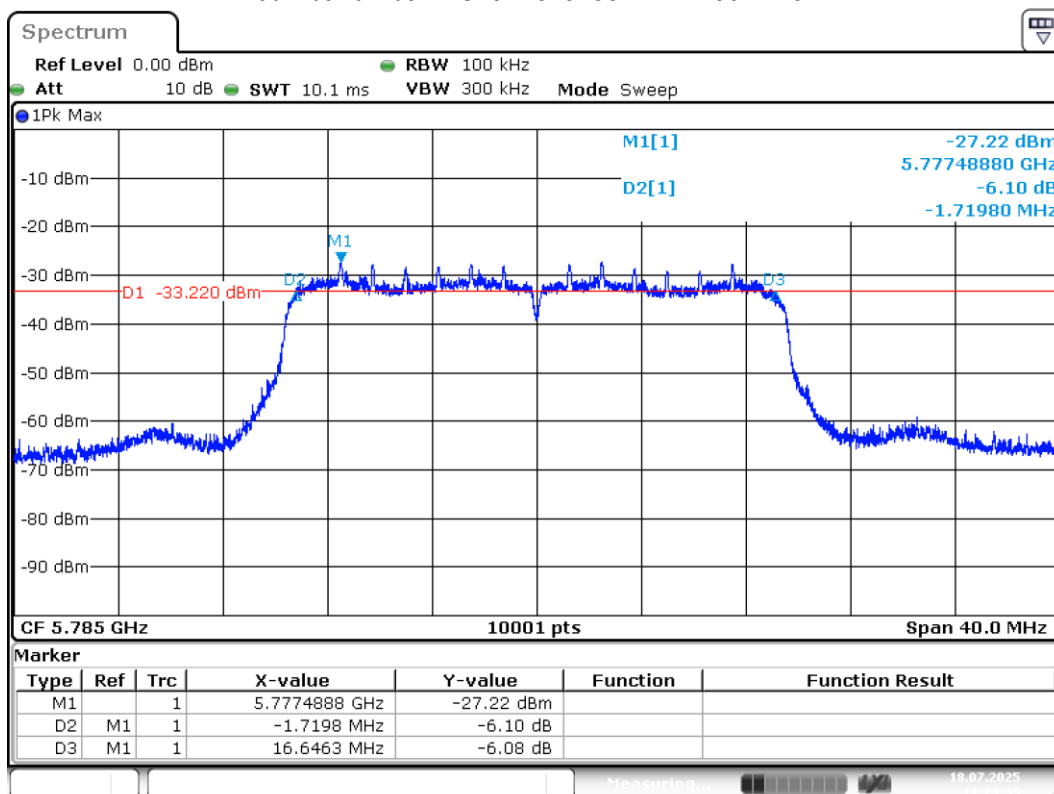
EUT	Channel	Frequency (MHz)	99% Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	18.822
Sample 1	Ch 40	5200	18.798
Sample 1	Ch 48	5240	18.802
Sample 1	Ch 52	5260	18.814
Sample 1	Ch 60	5300	18.806
Sample 1	Ch 64	5320	18.806
Sample 1	Ch 100	5500	18.834
Sample 1	Ch 124	5620	18.806
Sample 1	Ch 140	5700	18.822
Sample 1	Ch 149	5745	18.806
Sample 1	Ch 157	5785	18.818
Sample 1	Ch 165	5825	18.790

Sample N° 1

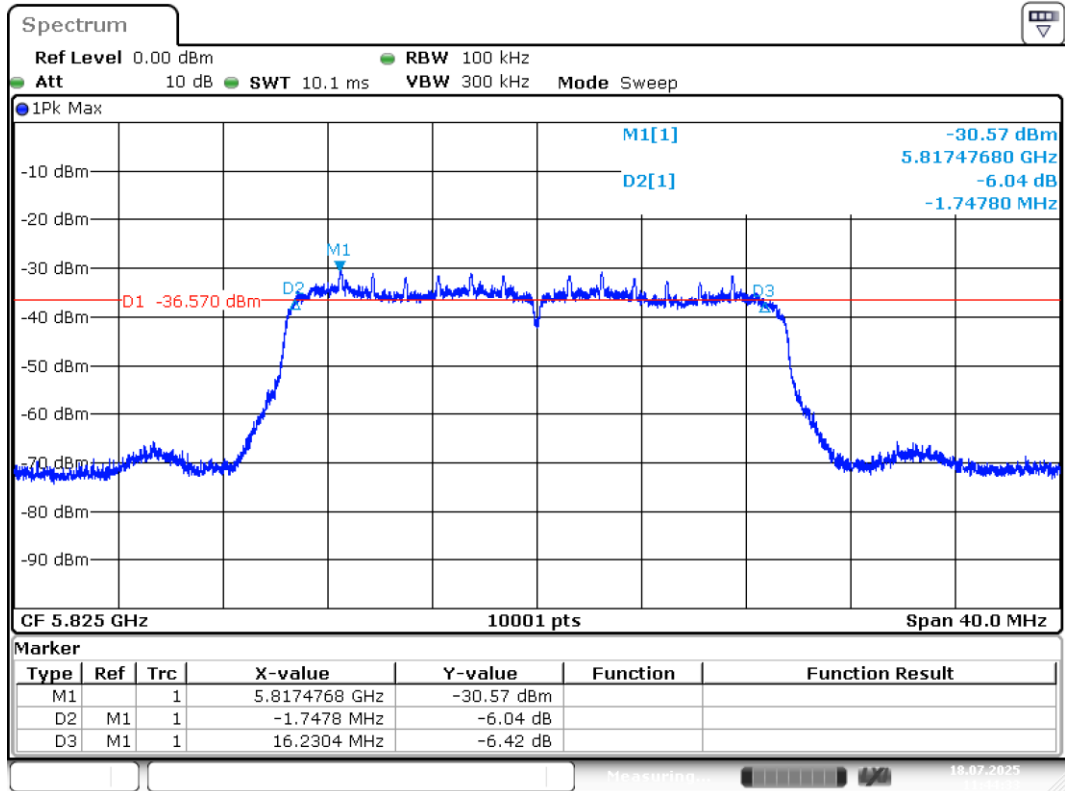
6dB bandwidth – Channel 5745 MHz – 802.11ax



6dB bandwidth – Channel 5785 MHz – 802.11ax



6dB bandwidth – Channel 5825 MHz – 802.11ax

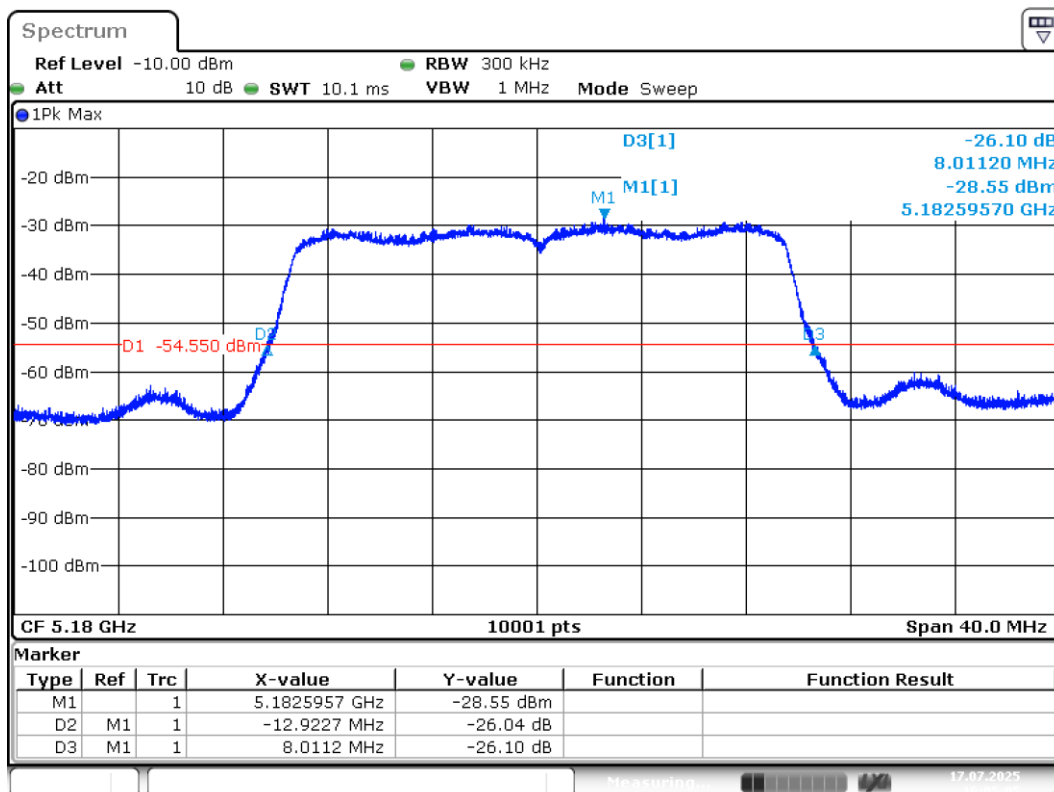


Limit:

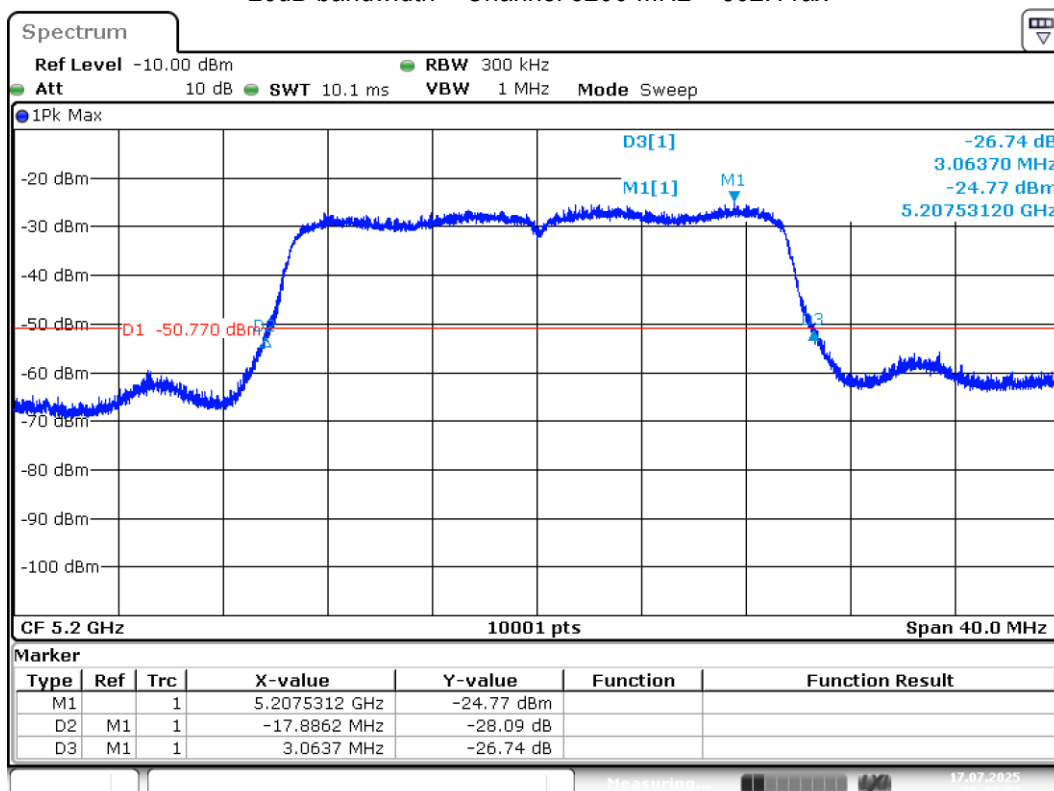
Shall be at least 500 kHz

Sample N° 1

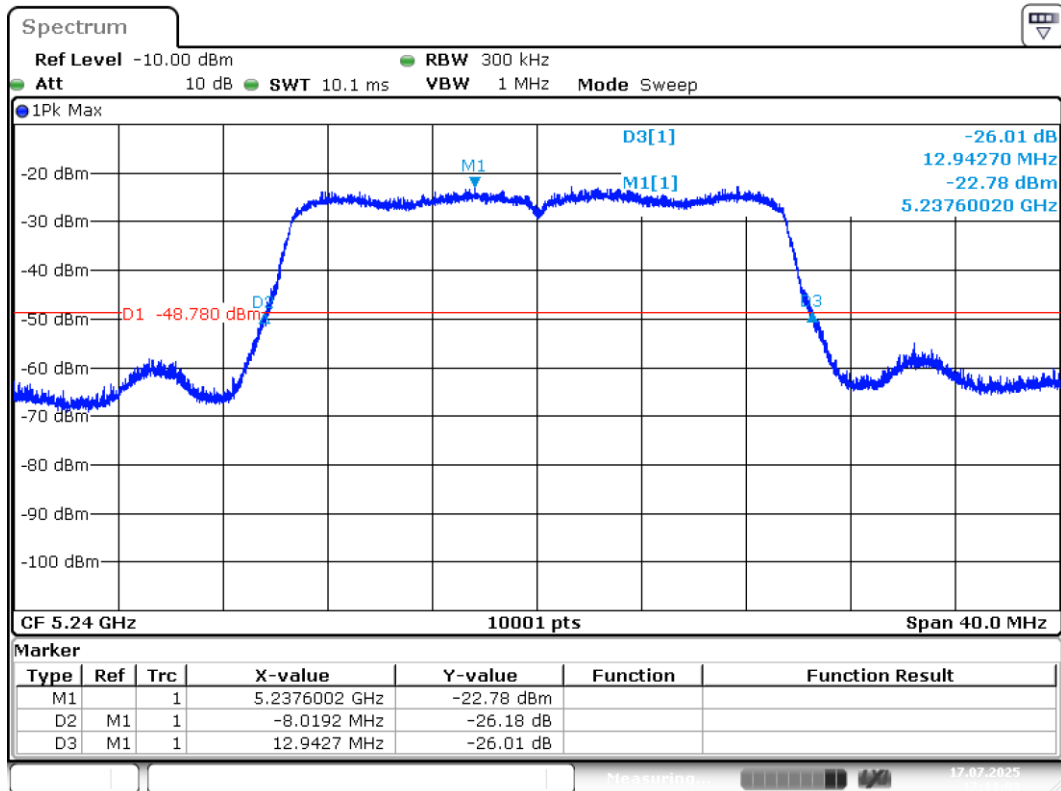
26dB bandwidth – Channel 5180 MHz – 802.11ax



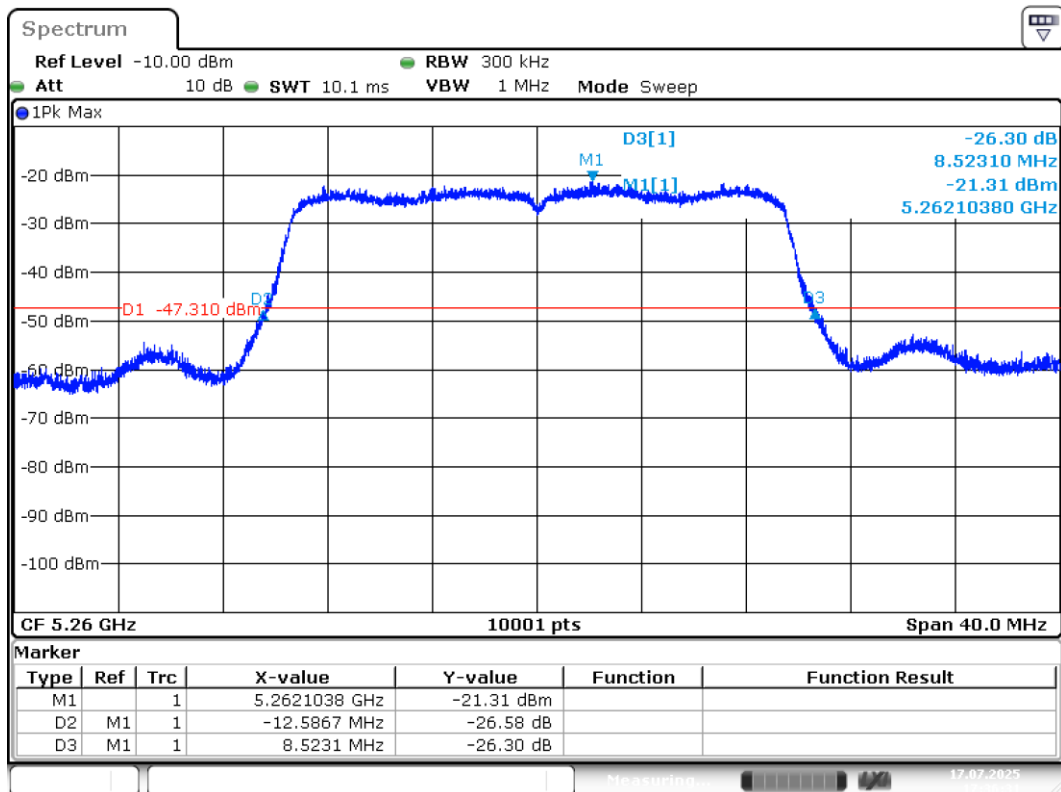
26dB bandwidth – Channel 5200 MHz – 802.11ax



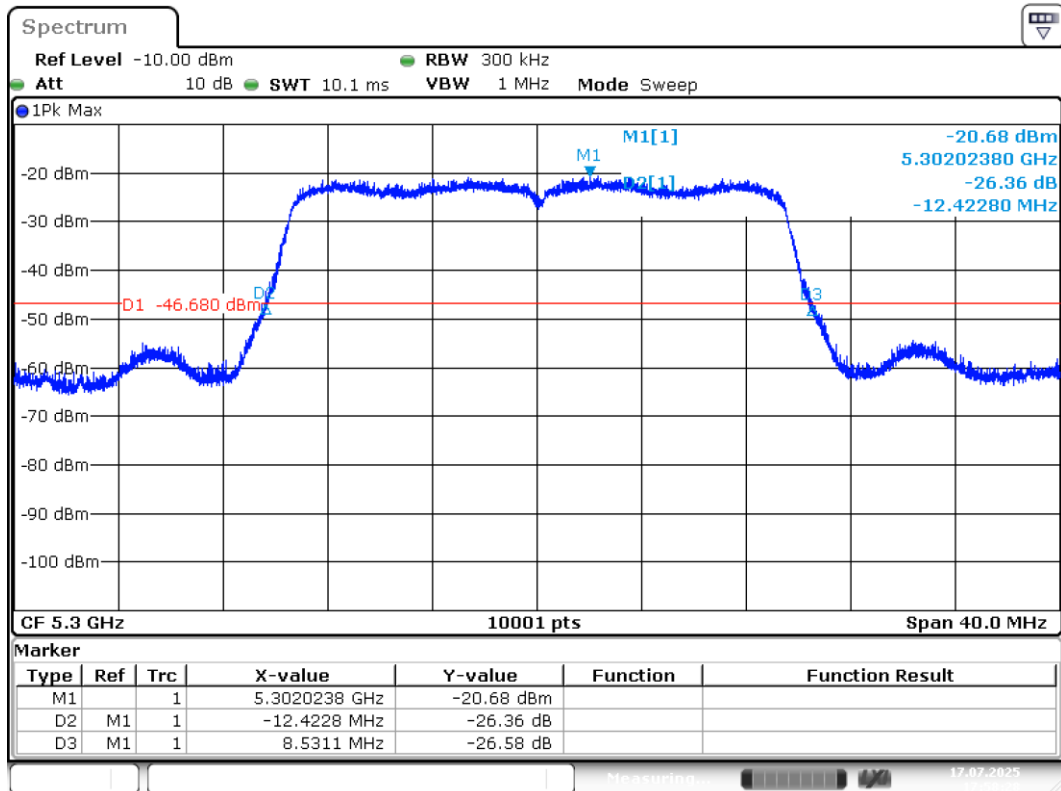
26dB bandwidth – Channel 5240 MHz – 802.11ax



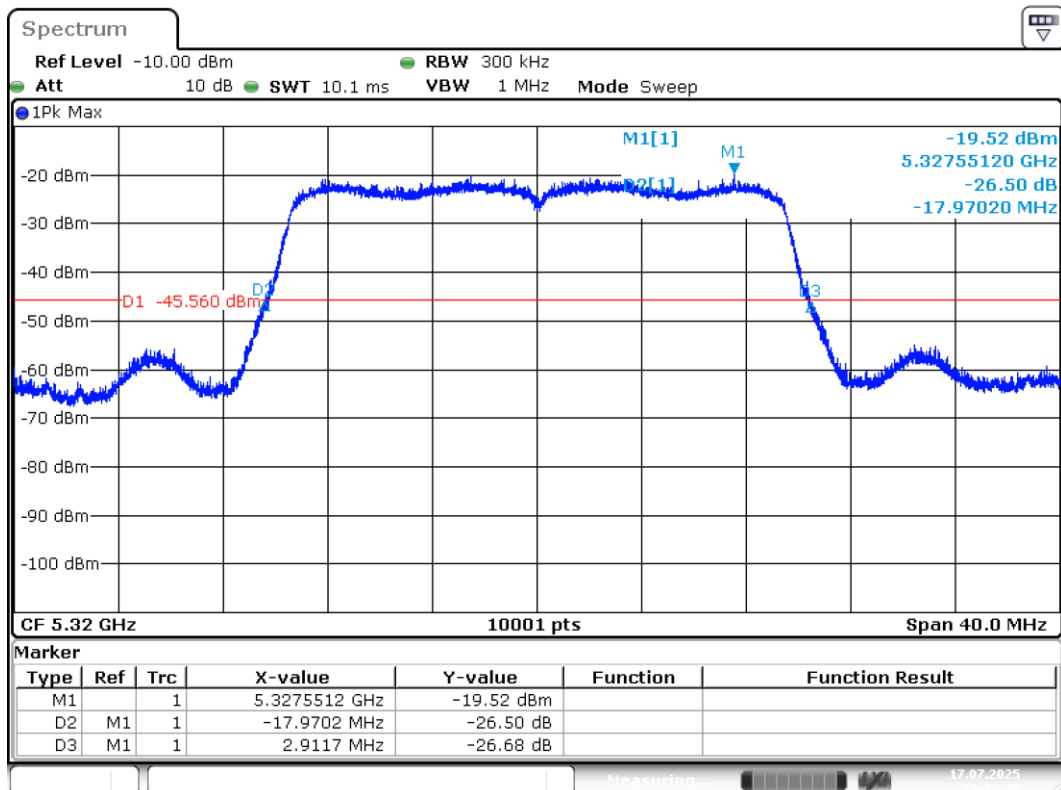
26dB bandwidth – Channel 5260 MHz – 802.11ax



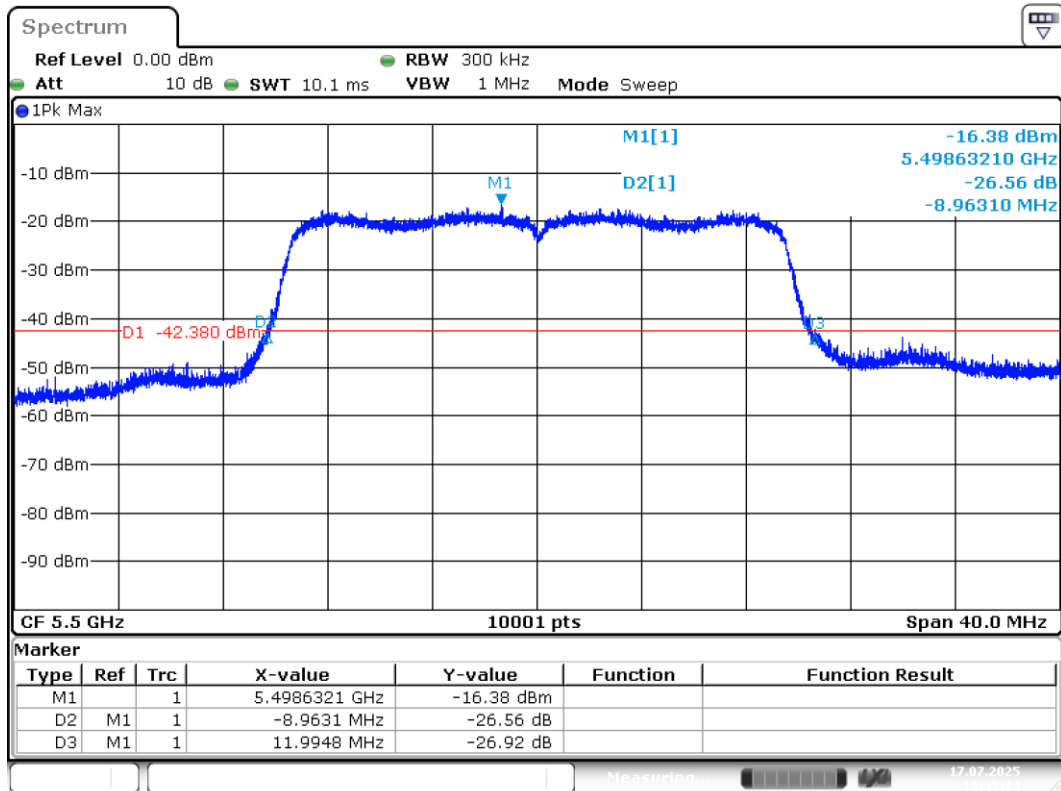
26dB bandwidth – Channel 5300 MHz – 802.11ax



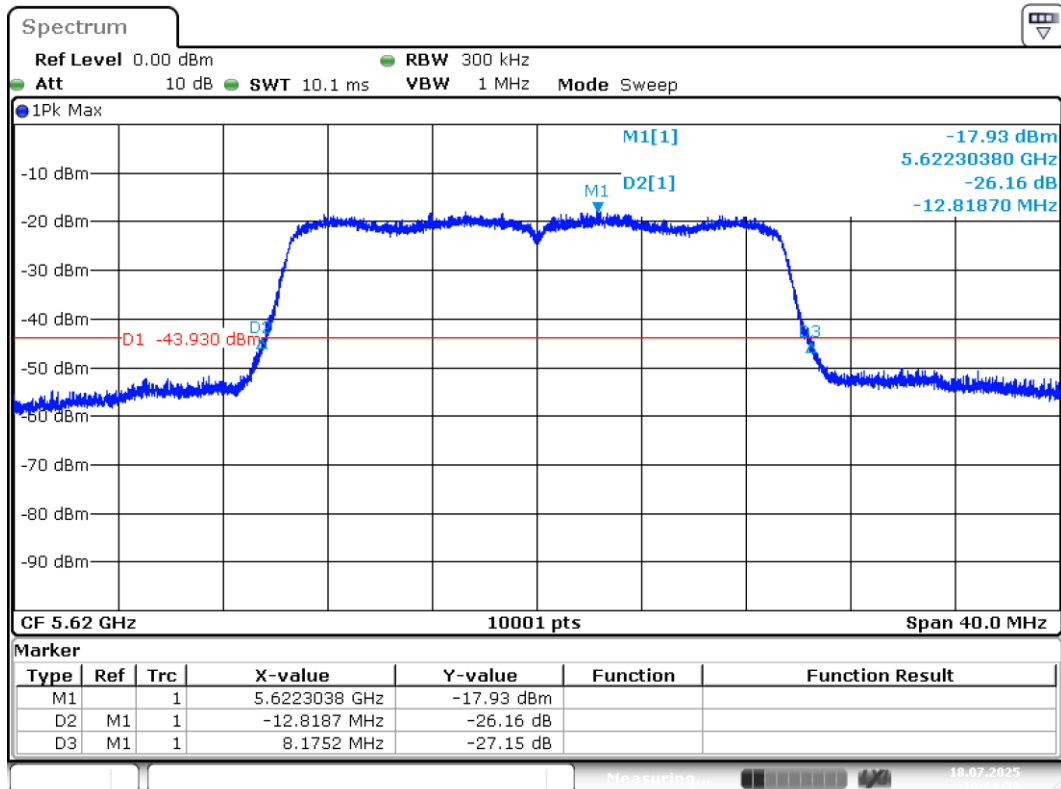
26dB bandwidth – Channel 5320 MHz – 802.11ax



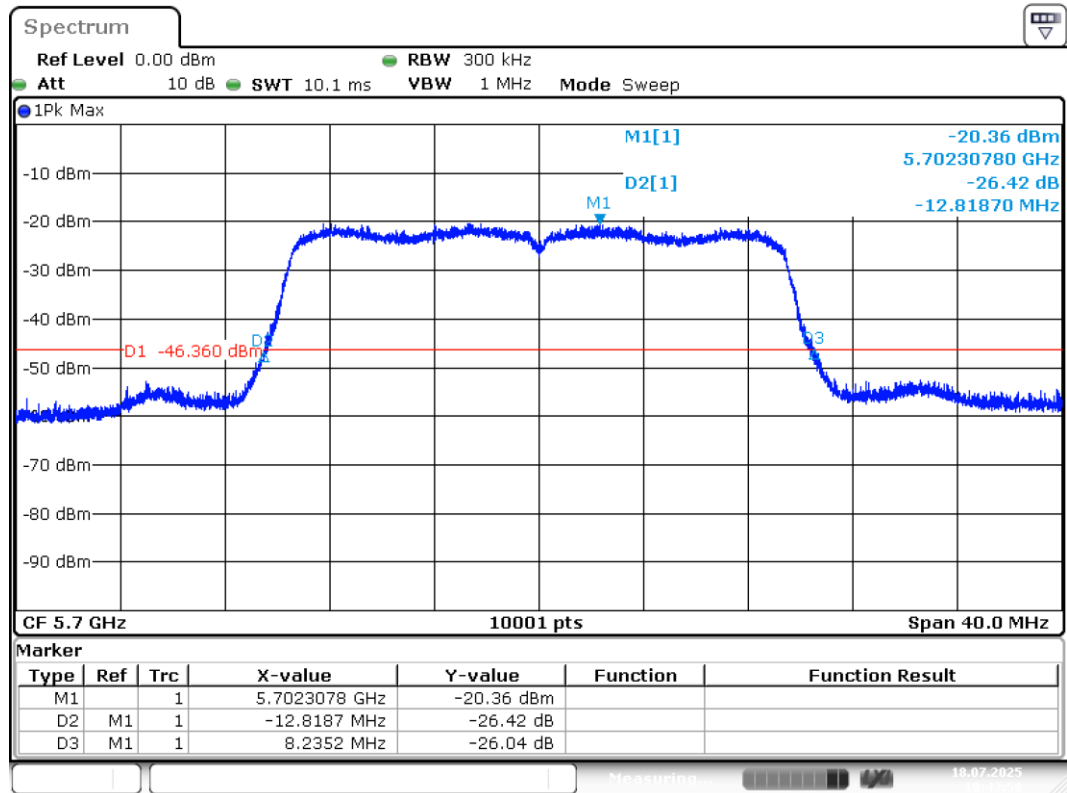
26dB bandwidth – Channel 5500 MHz – 802.11ax



26dB bandwidth – Channel 5620 MHz – 802.11ax



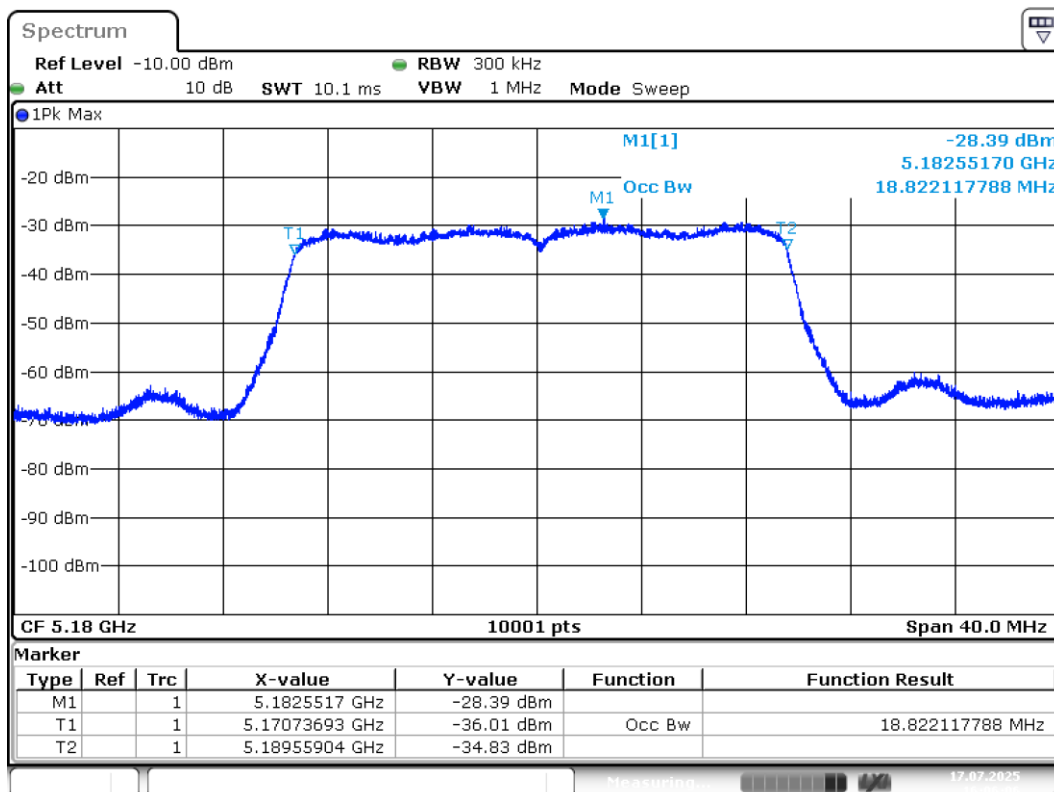
26dB bandwidth – Channel 5700 MHz – 802.11ax



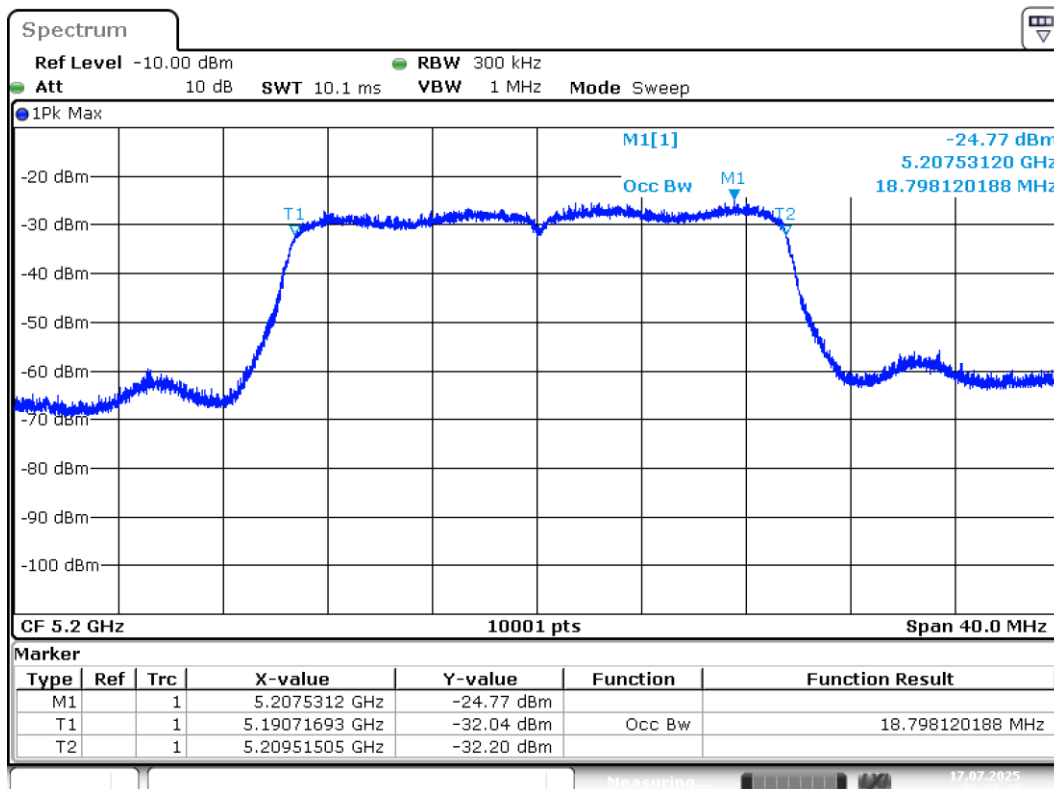
Measure realized for reporting only

Sample N° 1

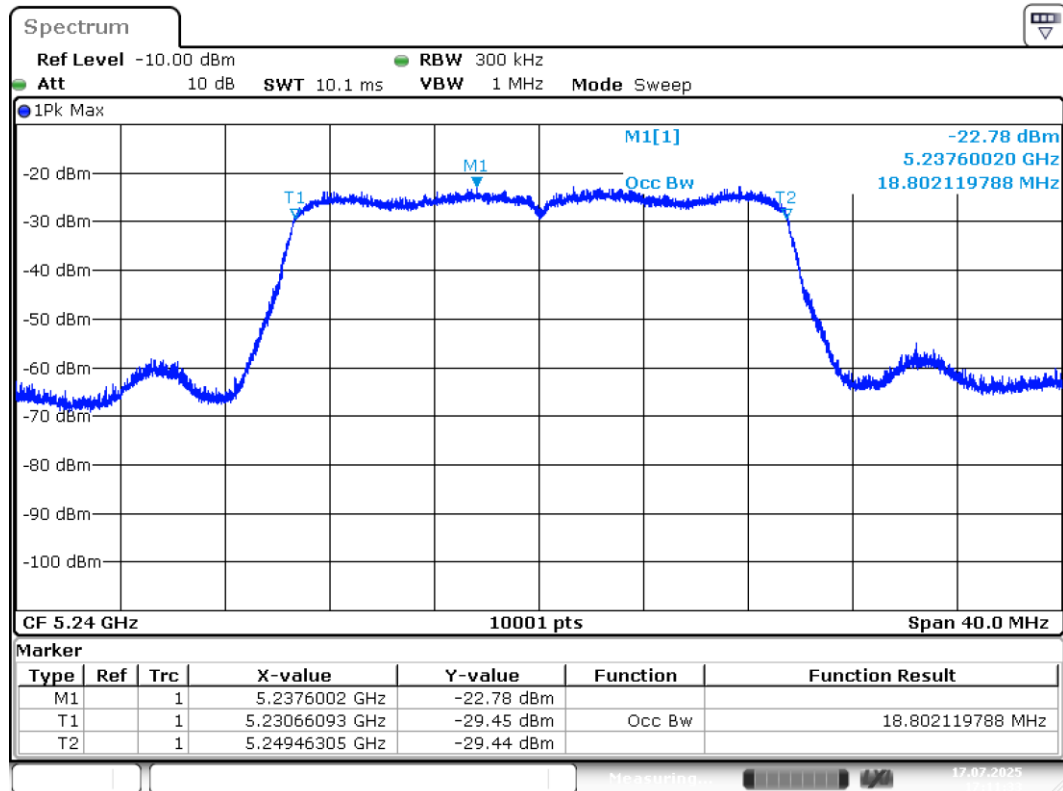
99% bandwidth – Channel 5180 MHz – 802.11ax



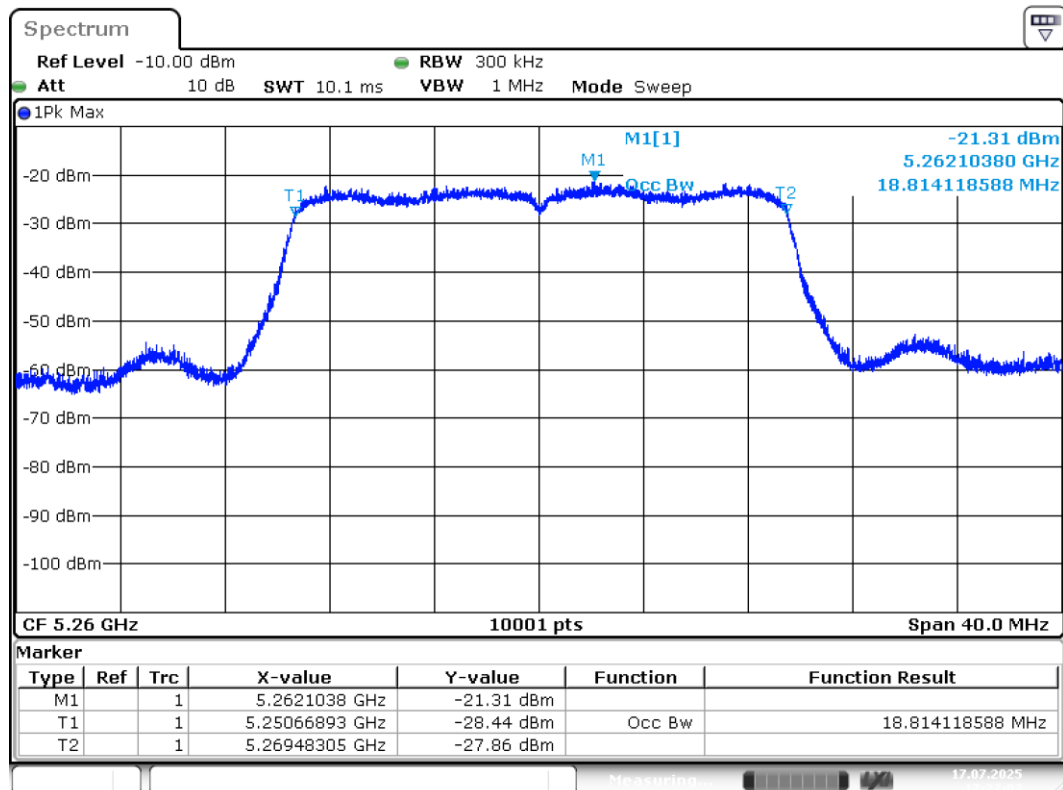
99% bandwidth – Channel 5200 MHz – 802.11ax



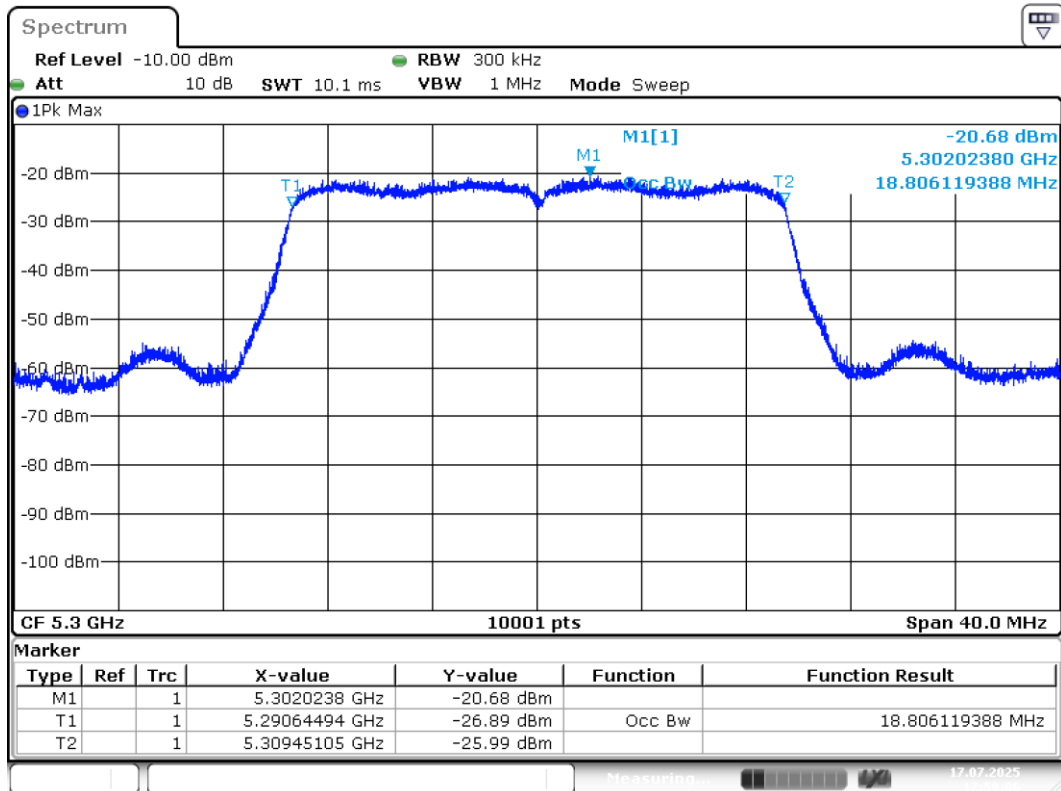
99% bandwidth – Channel 5240 MHz – 802.11ax



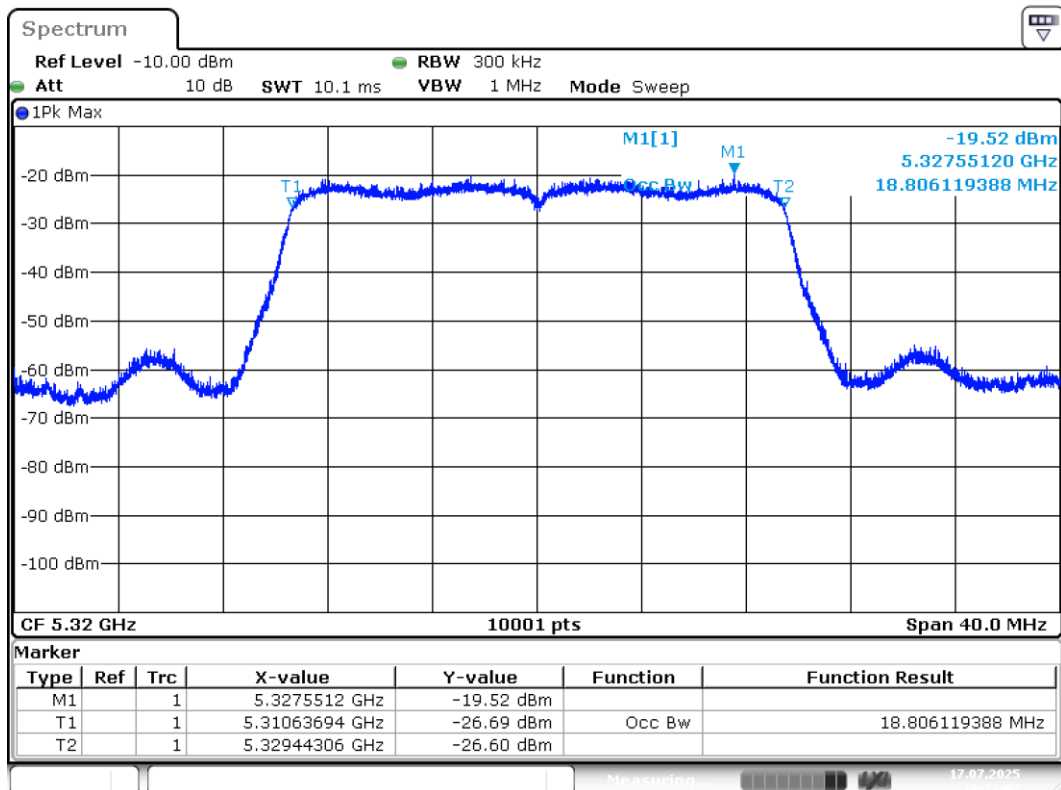
99% bandwidth – Channel 5260 MHz – 802.11ax



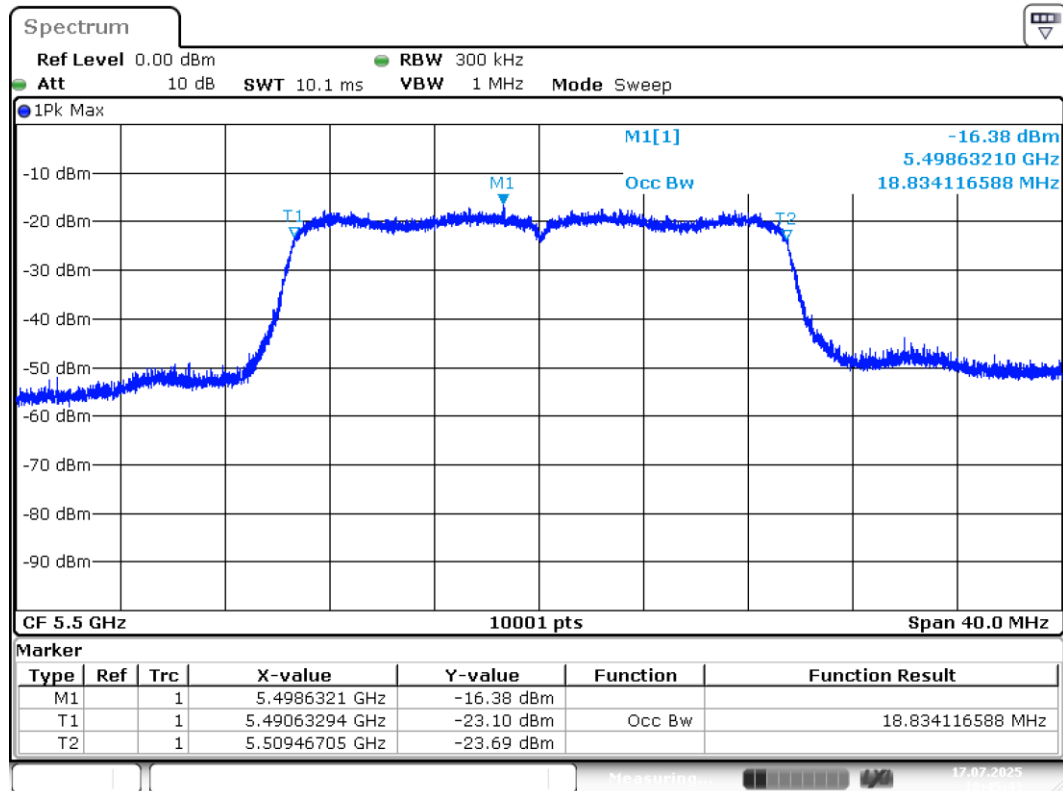
99% bandwidth – Channel 5300 MHz – 802.11ax



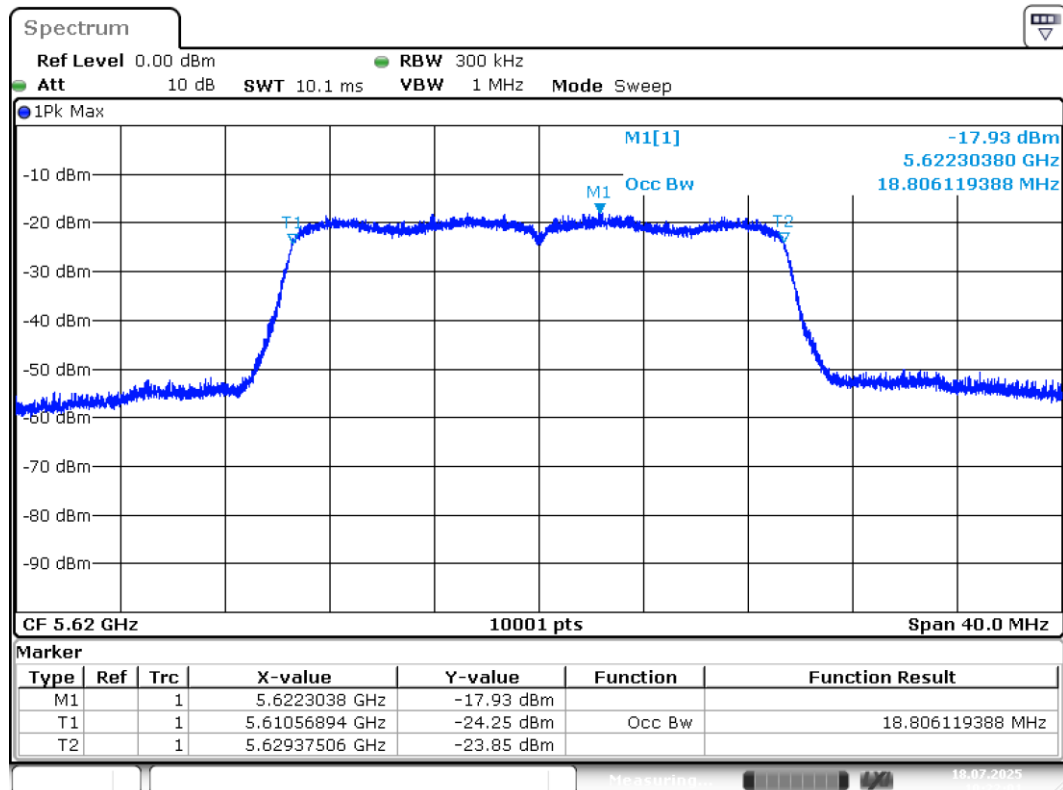
99% bandwidth – Channel 5320 MHz – 802.11ax



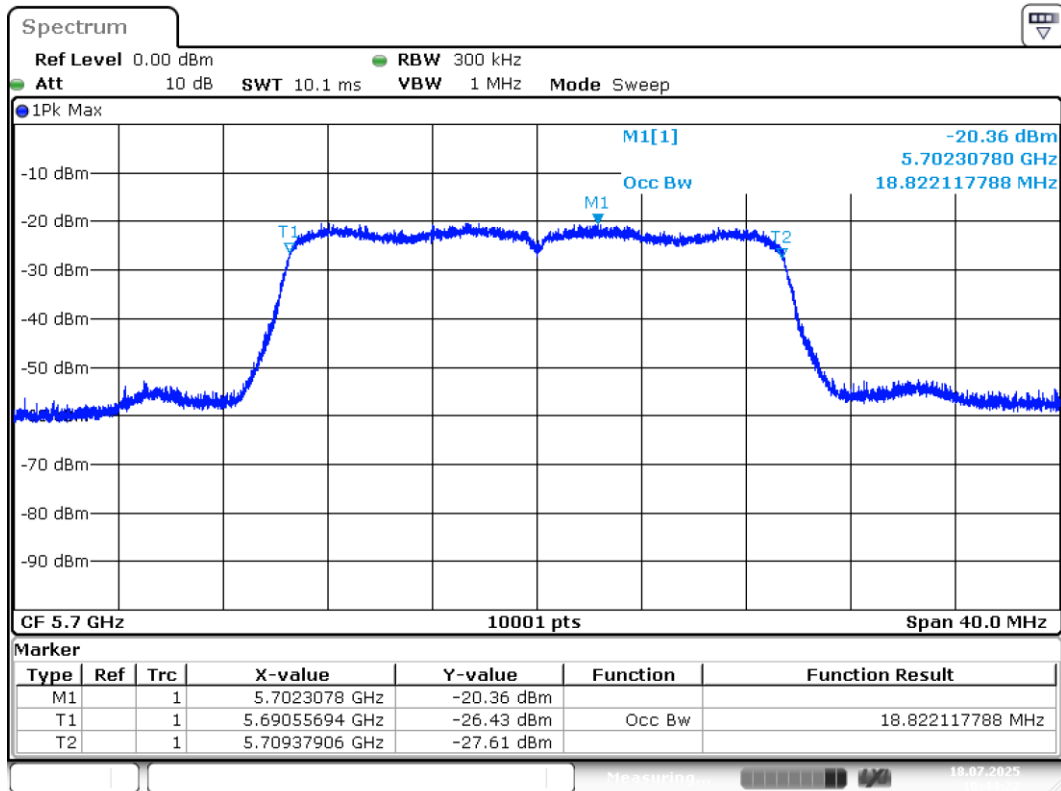
99% bandwidth – Channel 5500 MHz – 802.11ax



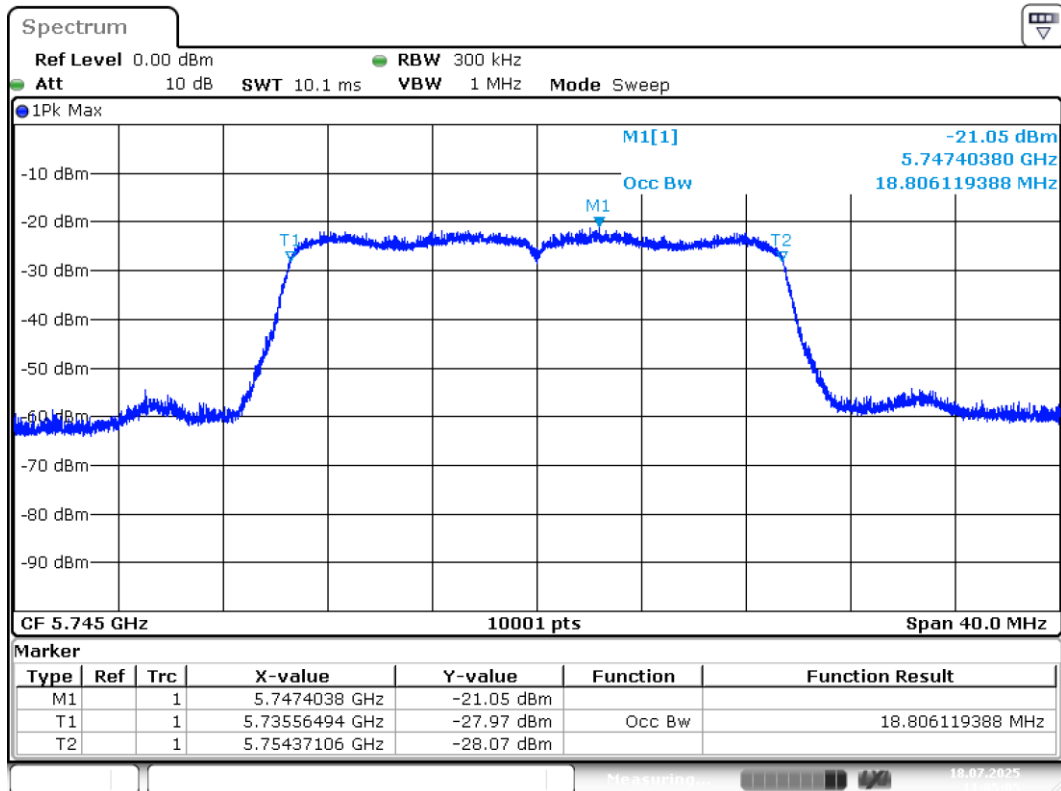
99% bandwidth – Channel 5620 MHz – 802.11ax



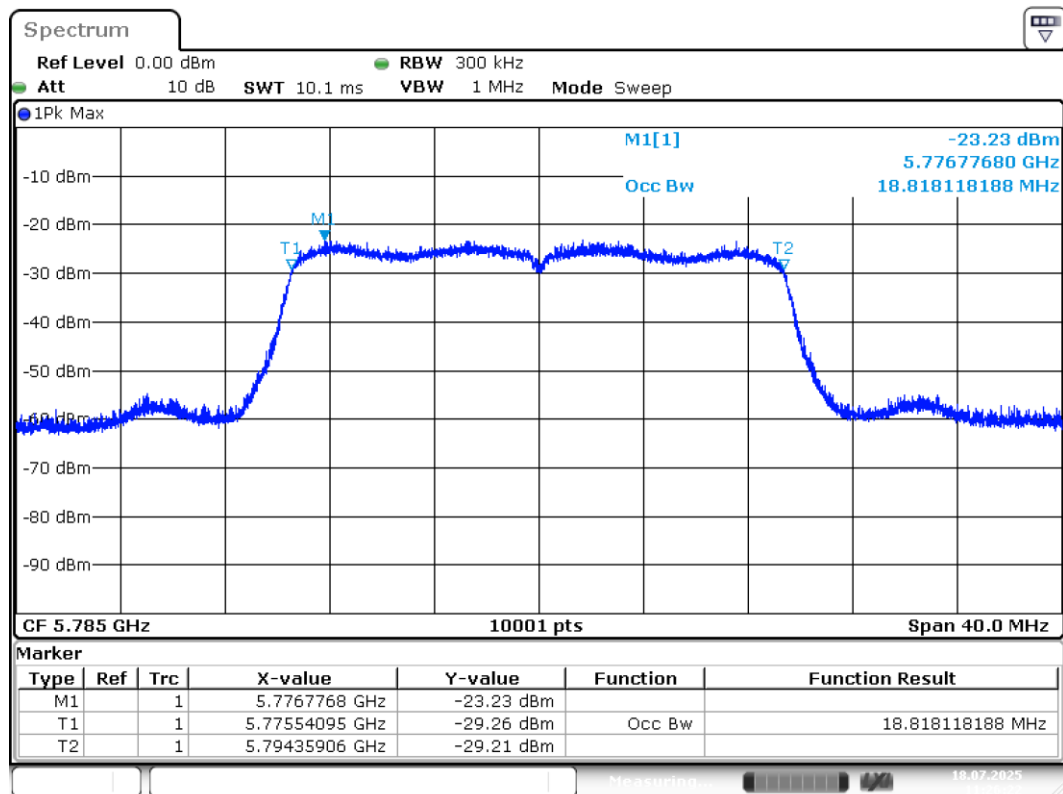
99% bandwidth – Channel 5700 MHz – 802.11ax



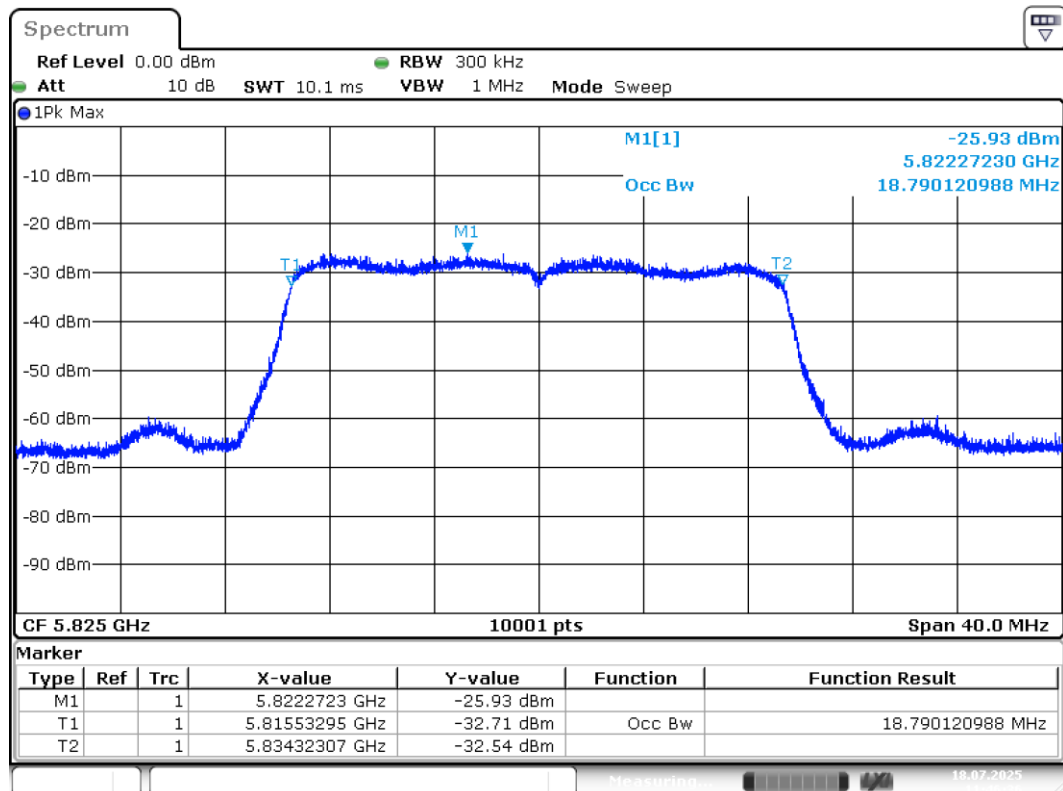
99% bandwidth – Channel 5745 MHz – 802.11ax



99% bandwidth – Channel 5785 MHz – 802.11ax



99% bandwidth – Channel 5825 MHz – 802.11ax



Measure realized for reporting only

10. BAND EDGE**Temperature (°C) :** 23 to 27**Humidity (%HR):** 49 to 50**Date :** July 18, 2025 to
August 24, 2025**Technician :** B. VOVARD**Standard:** FCC Part 15
RSS-247**Test procedure:**

For FCC Part 15: Paragraph 15.215, 15.407 (b)

For RSS-247: paragraph 6.2

Method: paragraph II.G.3 d) of KDB 789033 "*Band edge measurements*"**Test set up:**

Test realized in near field. All field strength measurements are correlated with the radiated maximum peak output power.

Test operating condition of the equipment:

The equipment under test is blocked in continuous modulated transmission mode with the power setting at 20 dBm.

Power source: 5 Vdc through a USB of laptop

Percentage of voltage variation during the test (%):

 ± 1

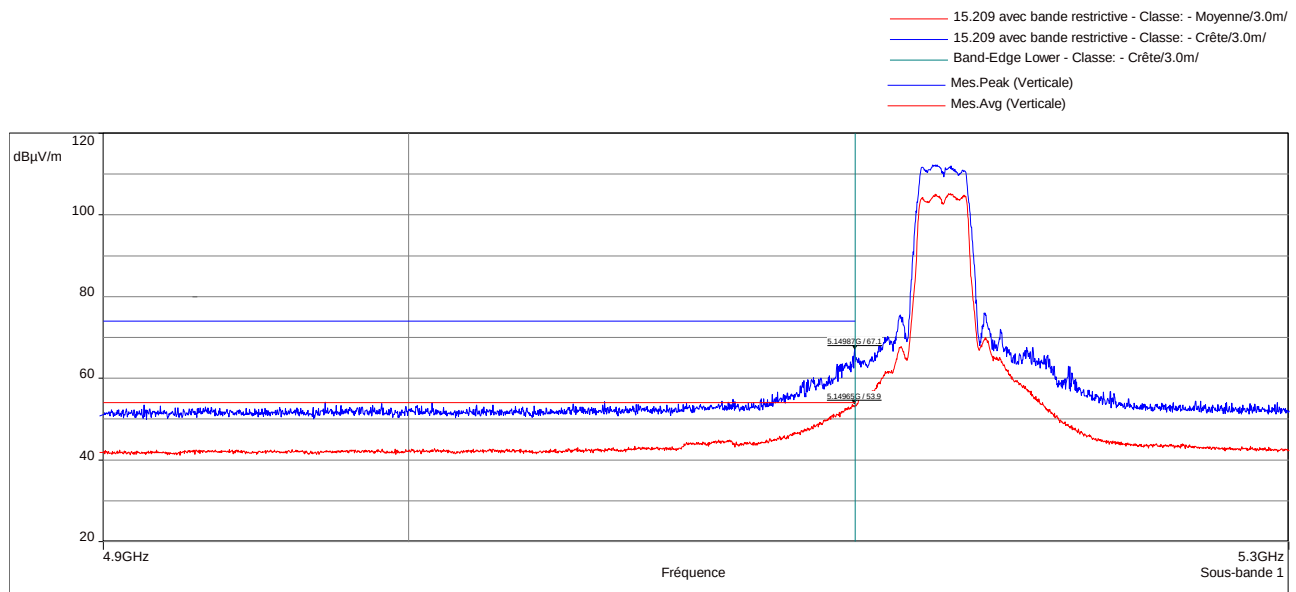
Results:

Lower Band Edge: From 5148 MHz to 5150 MHz

Upper Band Edge: From 5350 MHz to 5352 MHz

Band U-NII-1 – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	112.14	Peak	5149.87 (2)	-45.04	67.10	74.00	6.90
5180	105.22	Average	5149.65 (2)	-51.32	53.90 (3)	54.00	0.10

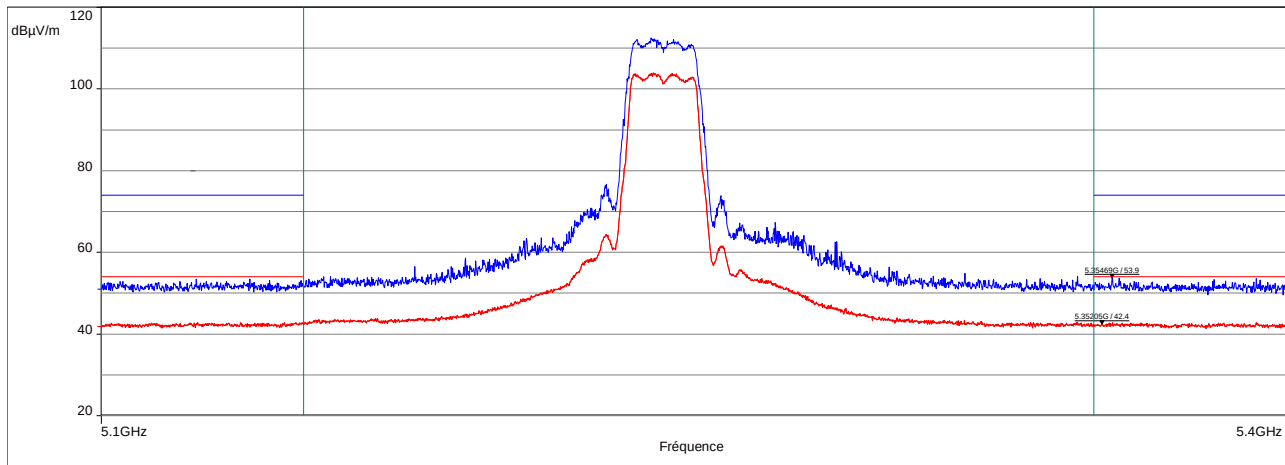
(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

15.209 avec bande restrictive - Classe: - Moyenne/3.0m/
 15.209 avec bande restrictive - Classe: - Crête/3.0m/
 Band-Edge Lower - Classe: - Crête/3.0m/
 Band-Edge Upper - Classe: - Crête/3.0m/
 Mes.Peak (Verticale)
 Mes.Avg (Verticale)



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5240	112.53	Peak	5354.69 (2)	-58.63	53.90	74.00	20.10
5240	103.80	Average	5352.05 (2)	-61.40	42.40 (3)	54.00	11.60

(1) Marker-Delta method

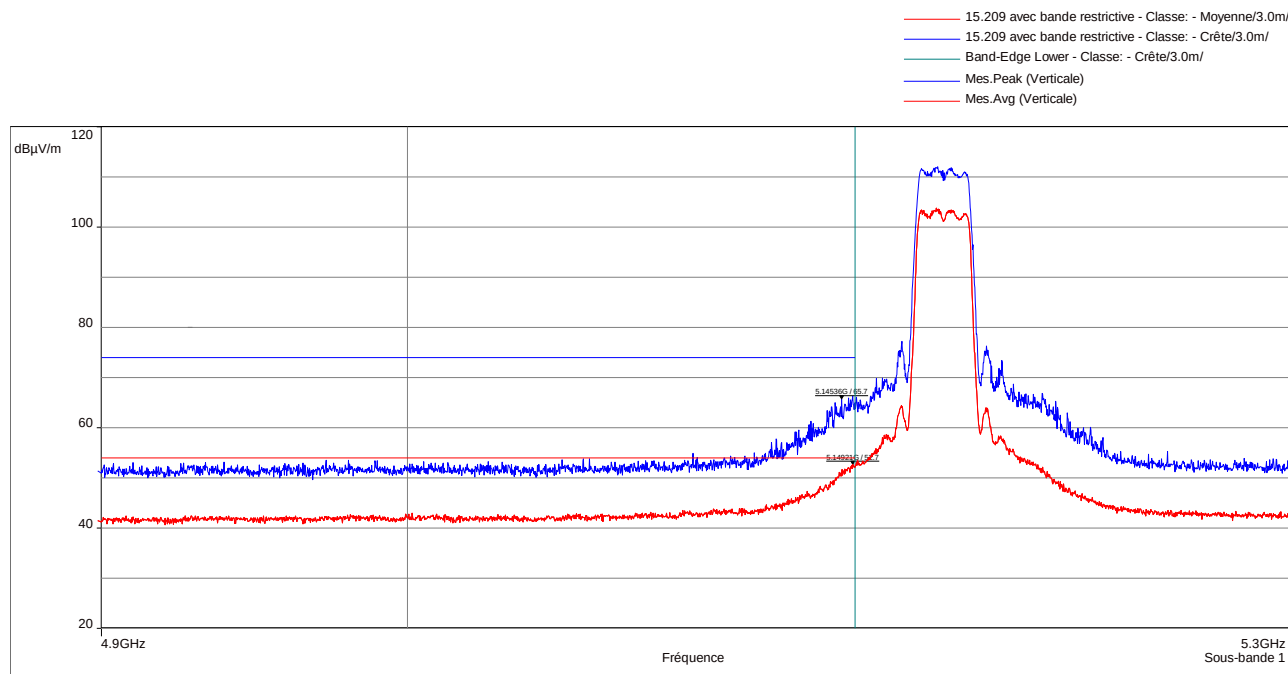
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Band U-NII-1 – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	112.04	Peak	5145.36 (2)	-46.34	65.70	74.00	8.30
5180	103.76	Average	5149.21 (2)	-51.06	52.70 (3)	54.00	1.30

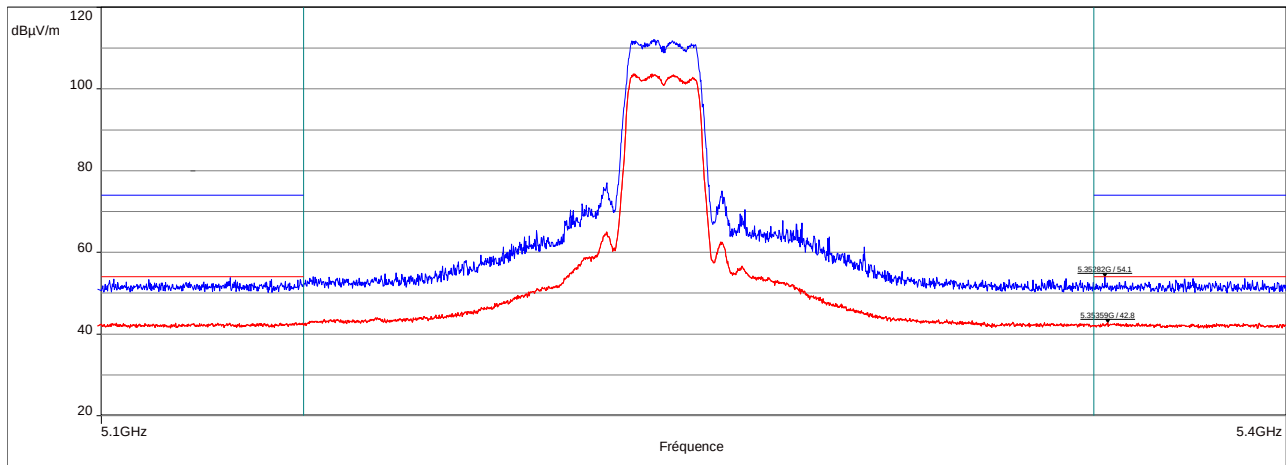
(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

15.209 avec bande restrictive - Classe: - Moyenne/3.0m/
 15.209 avec bande restrictive - Classe: - Crête/3.0m/
 Band-Edge Lower - Classe: - Crête/3.0m/
 Band-Edge Upper - Classe: - Crête/3.0m/
 Mes.Peak (Verticale)
 Mes.Avg (Verticale)



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5240	112.15	Peak	5352.82 (2)	-58.05	54.10	74.00	19.90
5240	103.75	Average	5353.59 (2)	-60.95	42.80 (3)	54.00	11.20

(1) Marker-Delta method

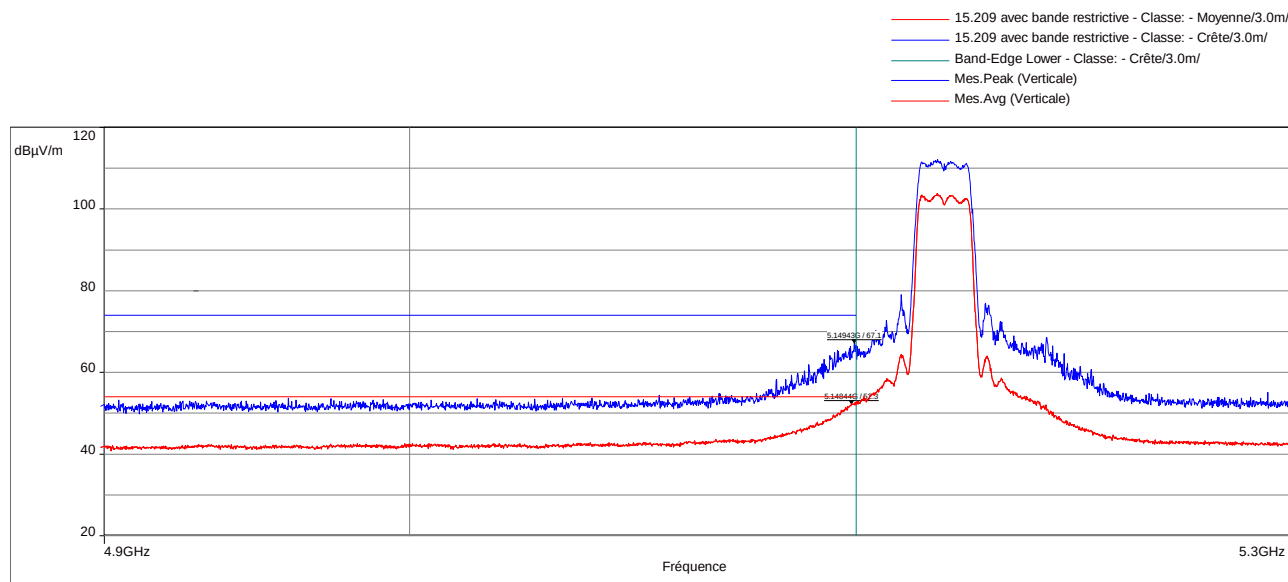
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Band U-NII-1 – mode 802.11ac – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	112.12	Peak	5149.43 (2)	-45.02	67.10	74.00	6.90
5180	103.81	Average	5148.44 (2)	-51.51	52.30 (3)	54.00	1.70

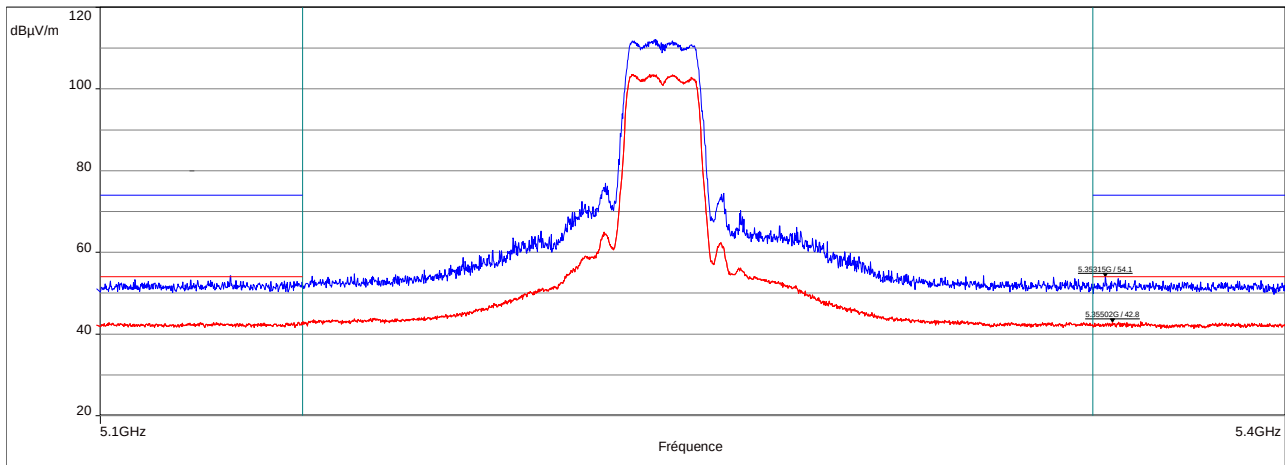
(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

15.209 avec bande restrictive - Classe: - Moyenne/3.0m/
 15.209 avec bande restrictive - Classe: - Crête/3.0m/
 Band-Edge Lower - Classe: - Crête/3.0m/
 Band-Edge Upper - Classe: - Crête/3.0m/
 Mes.Peak (Verticale)
 Mes.Avg (Verticale)



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5240	111.99	Peak	5353.15 (2)	-57.89	54.10	74.00	19.90
5240	103.58	Average	5355.02 (2)	-60.78	42.80 (3)	54.00	11.20

(1) Marker-Delta method

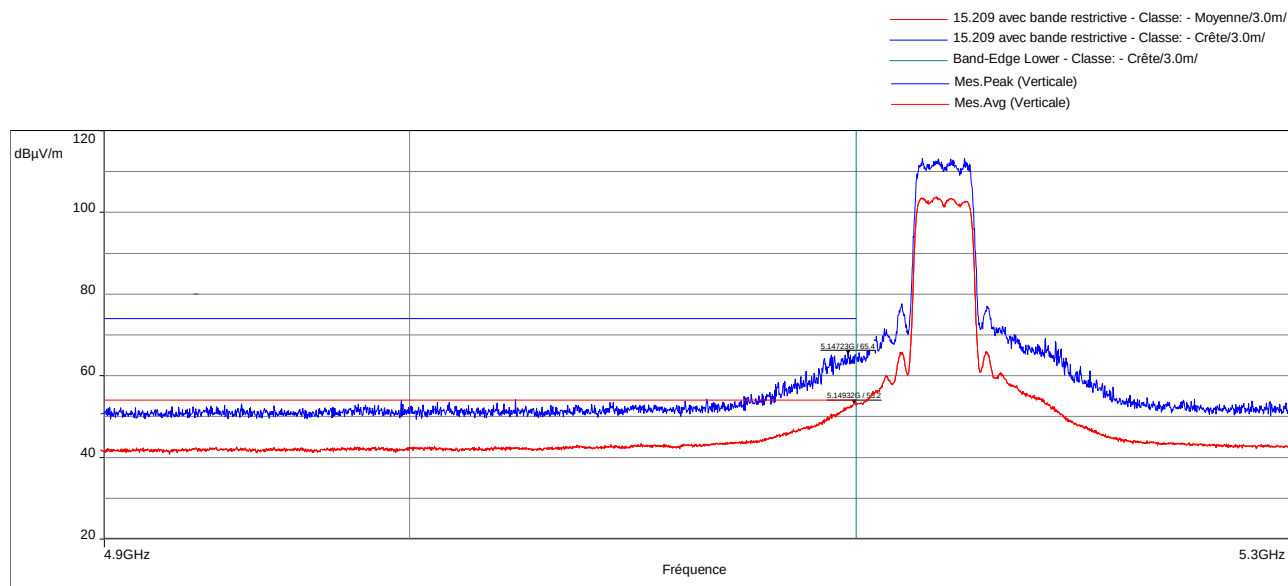
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Band U-NII-1 – mode 802.11ax – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	113.25	Peak	5147.23 (2)	-47.85	65.40	74.00	8.60
5180	103.66	Average	5149.32 (2)	-50.46	53.20 (3)	54.00	0.80

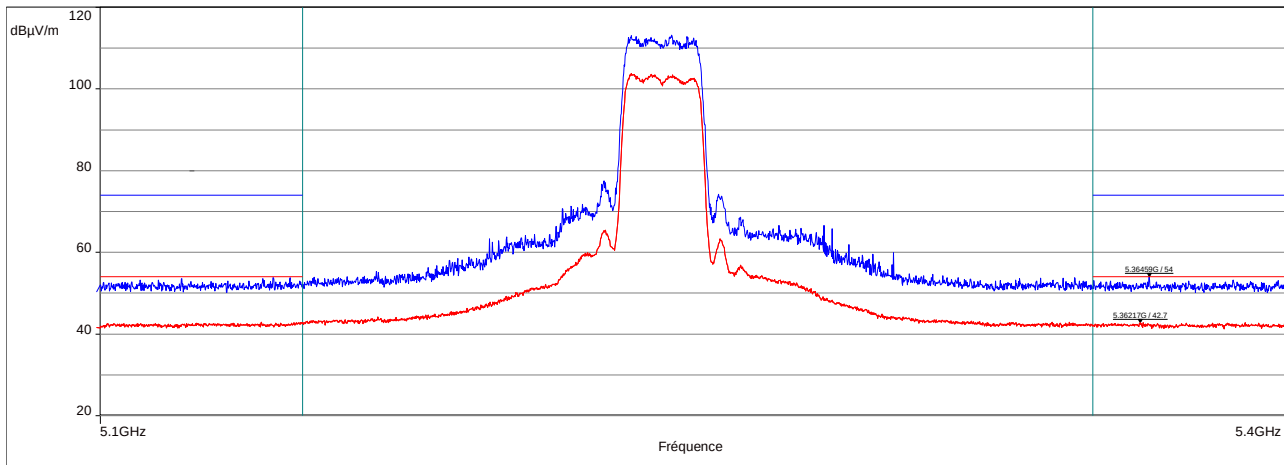
(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

15.209 avec bande restrictive - Classe: - Moyenne/3.0m/
 15.209 avec bande restrictive - Classe: - Crête/3.0m/
 Band-Edge Lower - Classe: - Crête/3.0m/
 Band-Edge Upper - Classe: - Crête/3.0m/
 Mes.Peak (Verticale)
 Mes.Avg (Verticale)



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5240	113.23	Peak	5364.59 (2)	-59.23	54.00	74.00	20.00
5240	103.76	Average	5362.17 (2)	-61.06	42.70 (3)	54.00	11.30

(1) Marker-Delta method

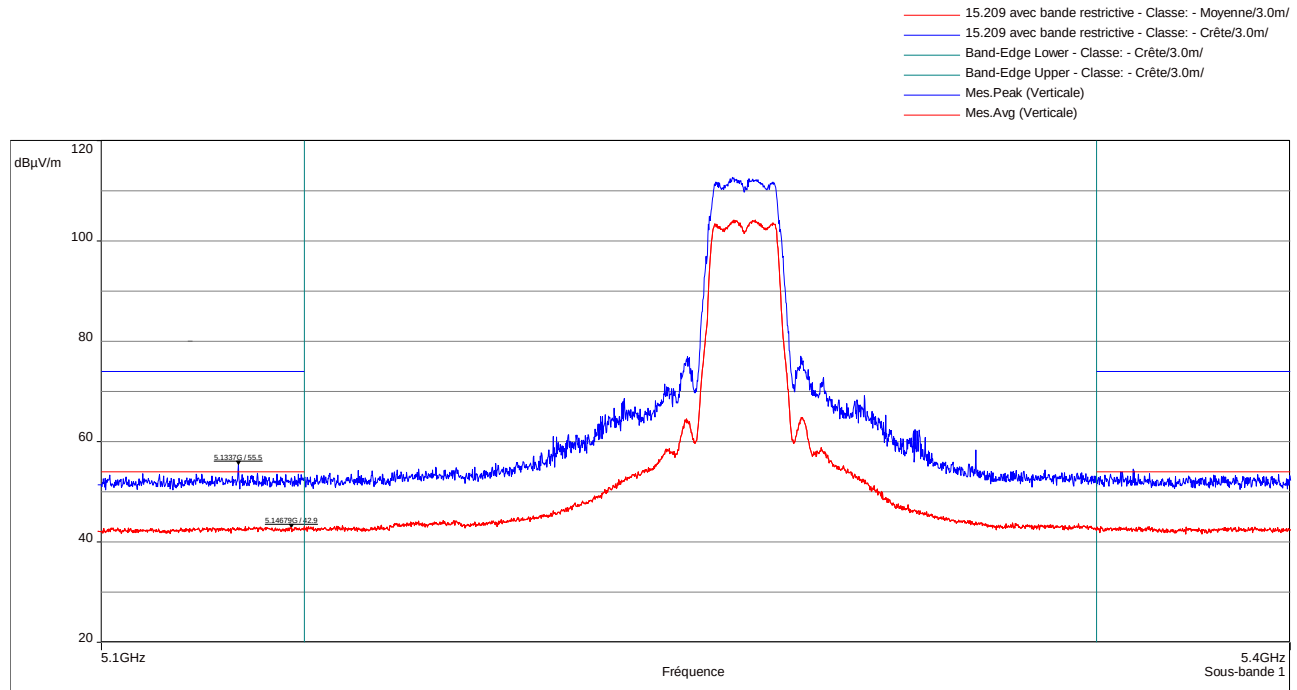
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Band U-NII-2A – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1:



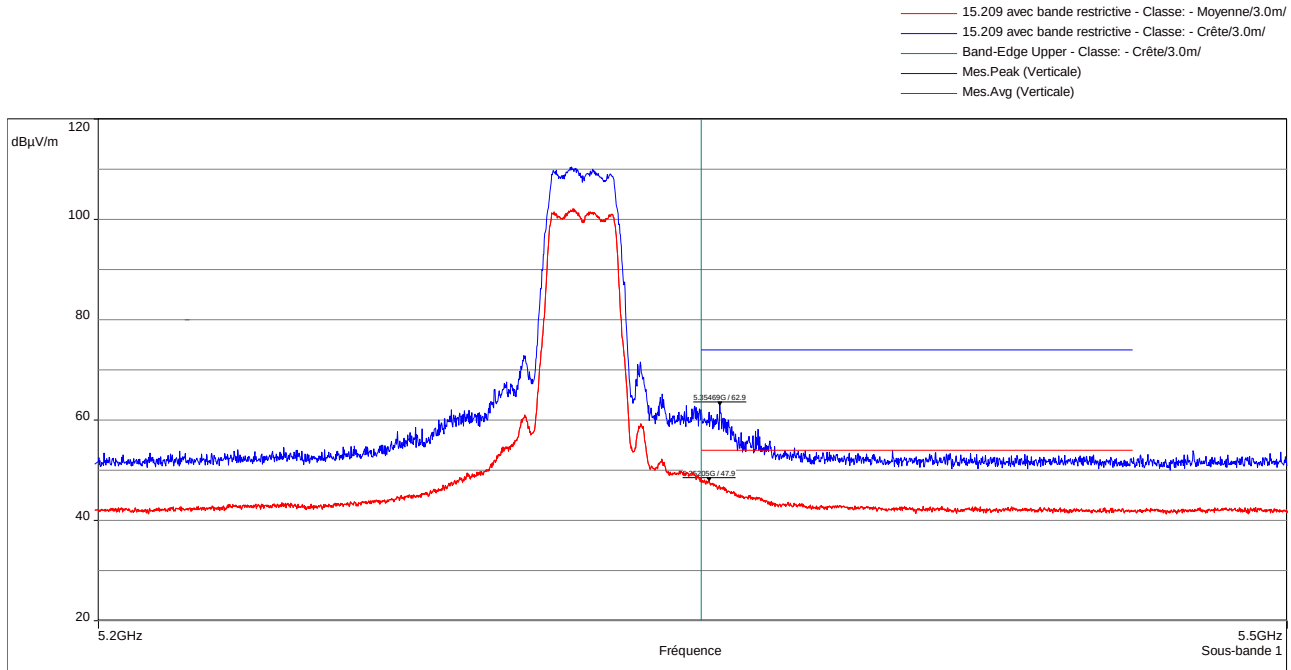
Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5260	112.61	Peak	5133.70 (2)	-57.11	55.50	74.00	18.50
5260	104.07	Average	5146.79 (2)	-61.17	42.90 (3)	54.00	11.10

(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5320	110.43	Peak	5354.69 (2)	-47.53	62.90	74.00	11.10
5320	101.91	Average	5352.05 (2)	-54.01	47.90 (3)	54.00	6.10

(1) Marker-Delta method

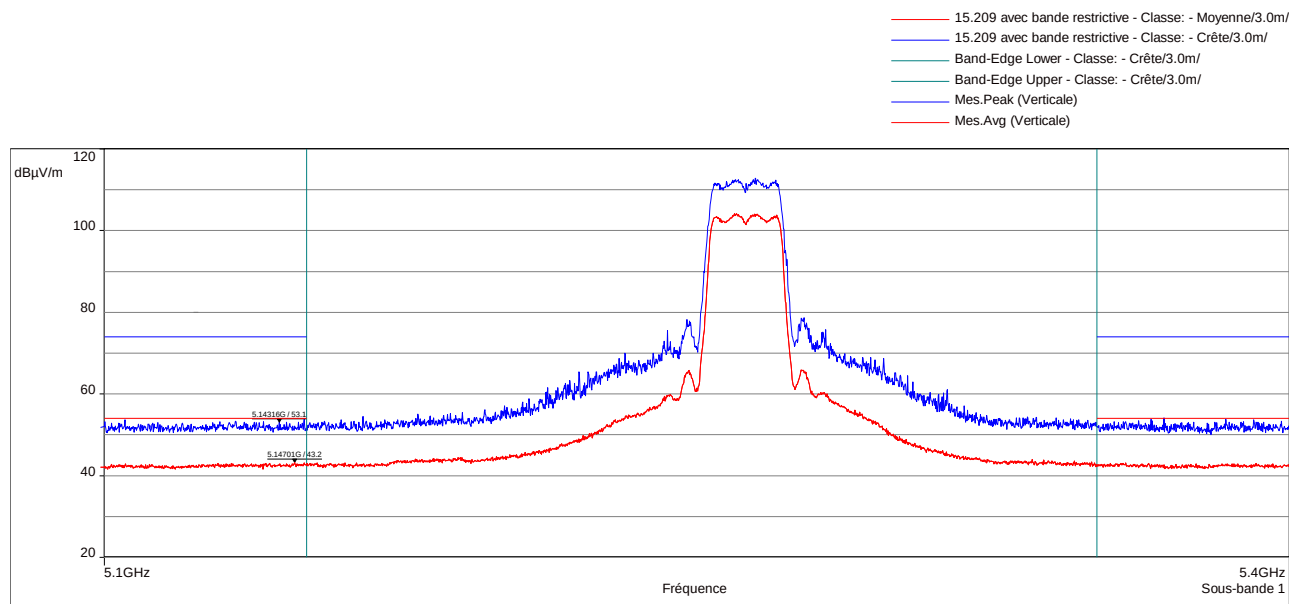
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Band U-NII-2A – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1:



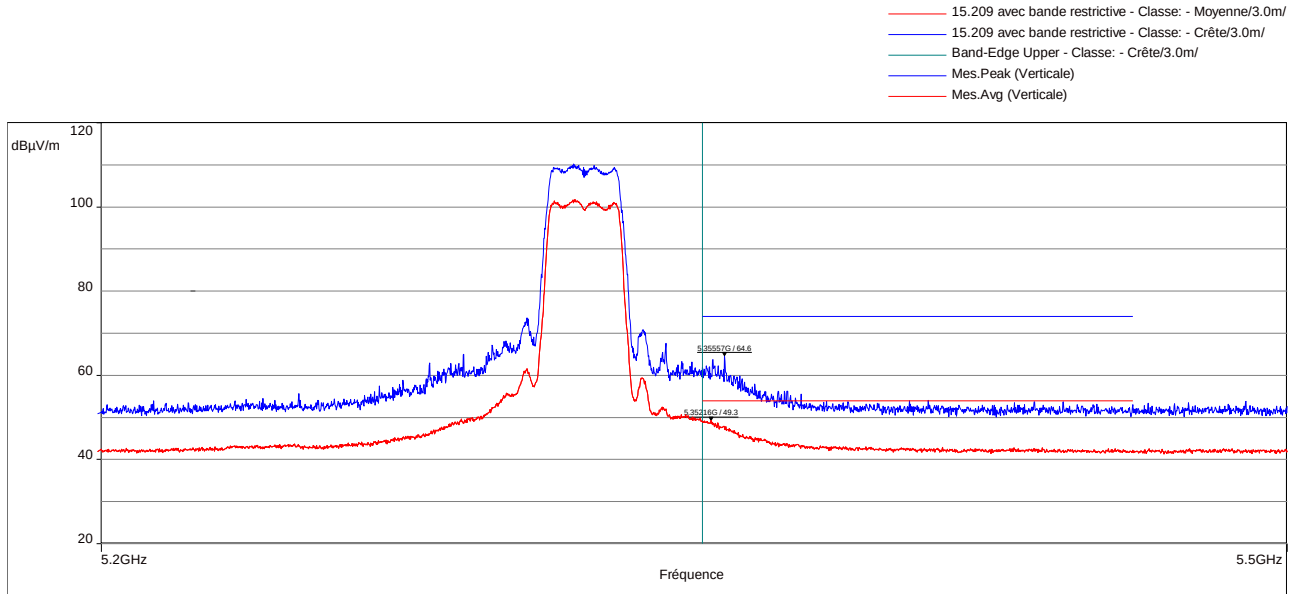
Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5260	112.88	Peak	5143.16 (2)	-59.78	53.10	74.00	20.90
5260	104.16	Average	5147.01 (2)	-60.96	43.20 (3)	54.00	10.80

(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5320	110.13	Peak	5355.57 (2)	-45.53	64.60	74.00	9.40
5320	101.81	Average	5352.16 (2)	-52.51	49.30 (3)	54.00	4.70

(1) Marker-Delta method

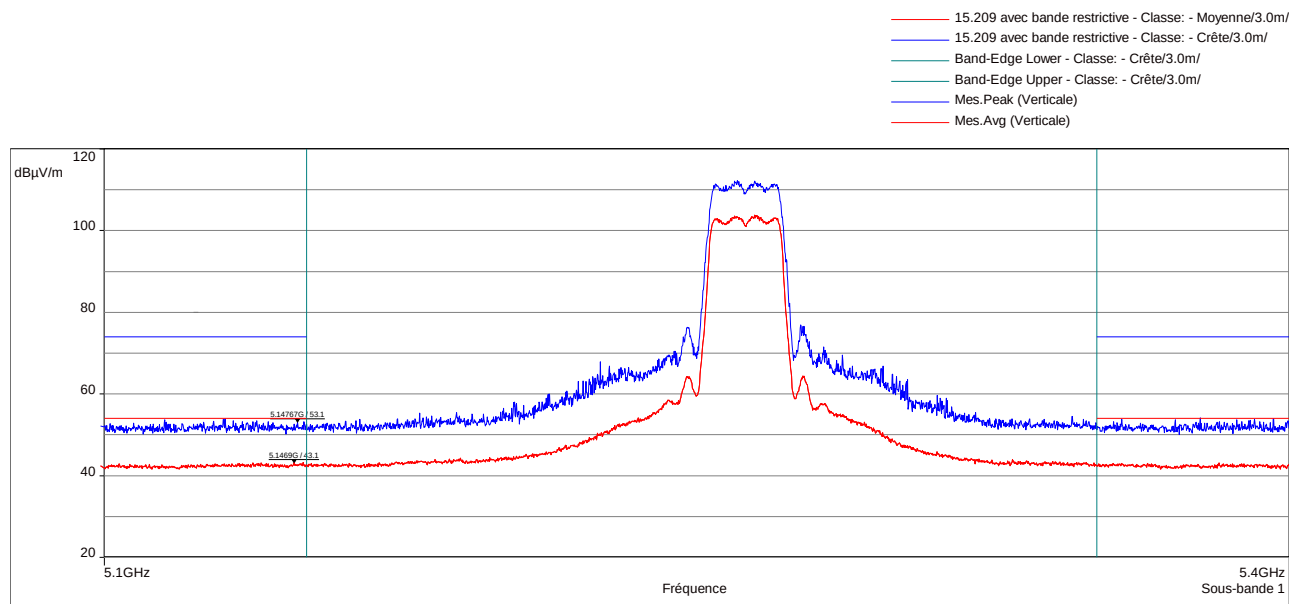
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Band U-NII-2A – mode 802.11ac – Bandwidth: 20 MHz

Sample N° 1:



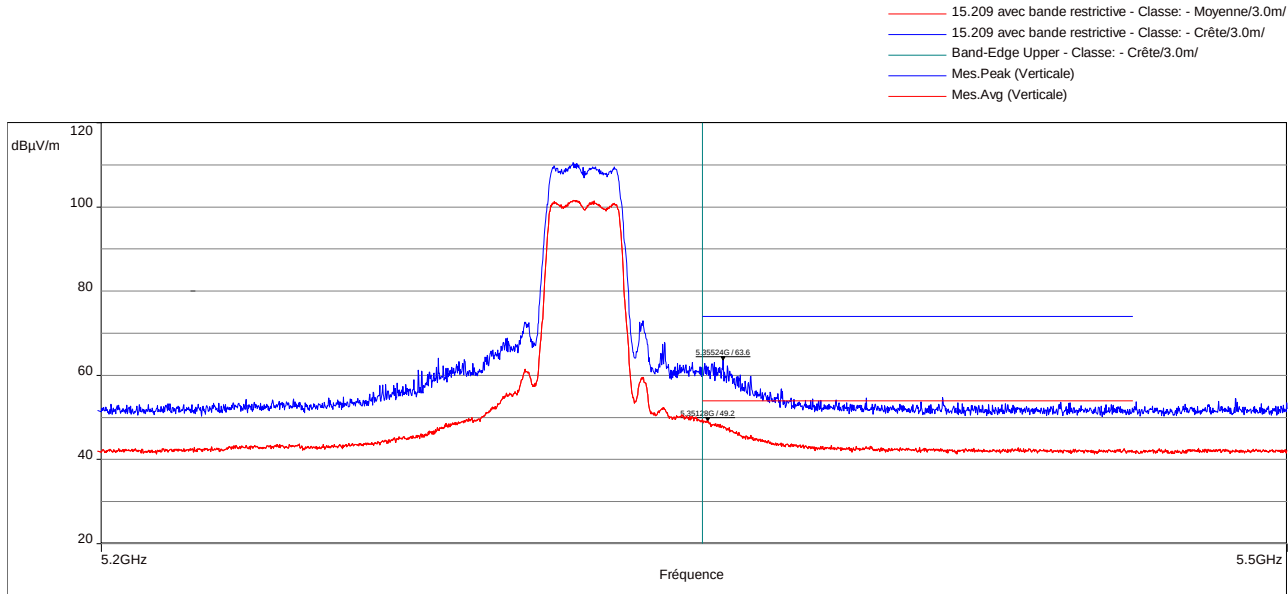
Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5260	112.03	Peak	5147.67 (2)	-58.93	53.10	74.00	20.90
5260	103.79	Average	5146.90 (2)	-60.69	43.10 (3)	54.00	10.90

(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5320	110.43	Peak	5355.24 (2)	-46.83	63.60	74.00	10.40
5320	101.60	Average	5351.28 (2)	-52.40	49.20 (3)	54.00	4.80

(1) Marker-Delta method

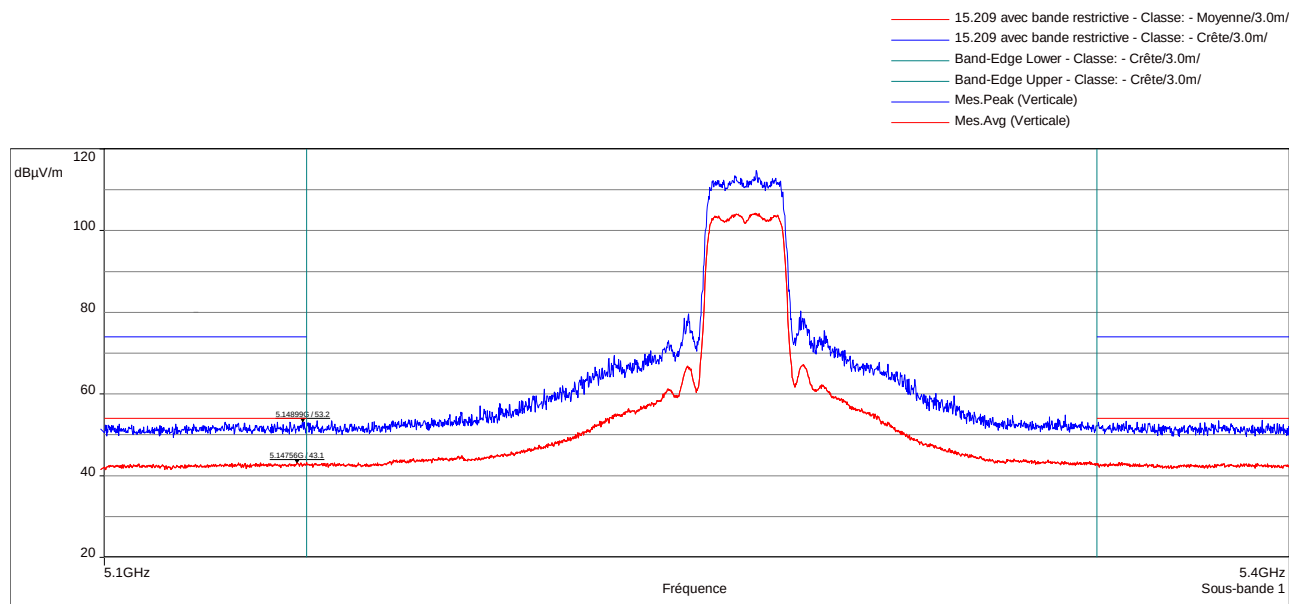
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Band U-NII-2A – mode 802.11ax – Bandwidth: 20 MHz

Sample N° 1:



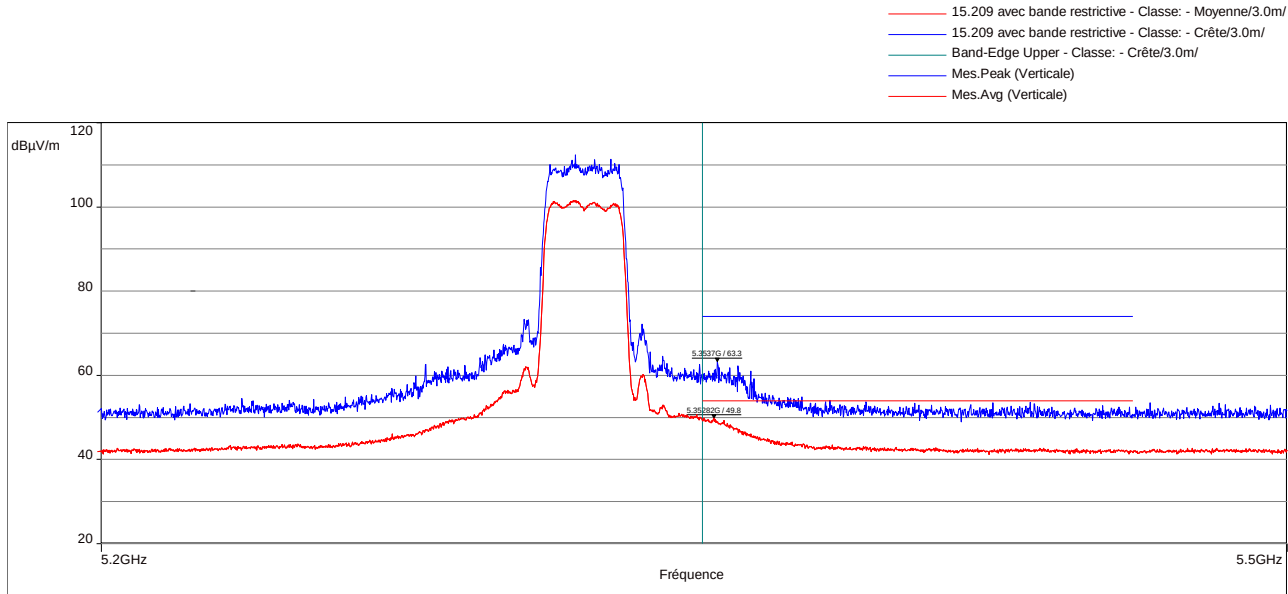
Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5260	114.74	Peak	5148.99 (2)	-61.54	53.20	74.00	20.80
5260	104.11	Average	5147.56 (2)	-61.01	43.10 (3)	54.00	10.90

(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5320	112.41	Peak	5353.70 (2)	-49.11	63.30	74.00	10.70
5320	101.58	Average	5352.82 (2)	-51.78	49.80 (3)	54.00	4.20

(1) Marker-Delta method

(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

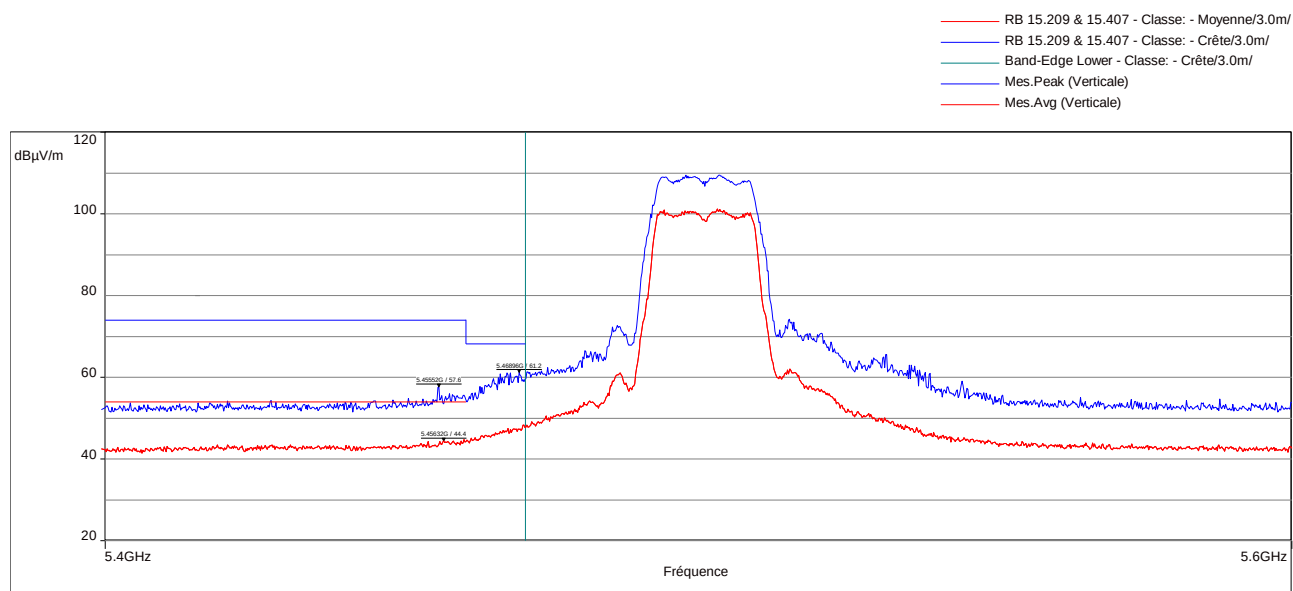
(3) Duty-Factor included

Lower Band Edge: From 5468 MHz to 5470 MHz

Upper Band Edge: From 5725 MHz to 5727 MHz

Band U-NII-2C – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5500	109.52	Peak	5468.96	-48.32	61.20	68.20 (Note)	7.00
5500	109.52	Peak	5455.52 (2)	-51.92	57.60	74.00	16.40
5500	101.19	Average	5456.32 (2)	-56.79	44.40 (3)	54.00	9.60

(1) Marker-Delta method

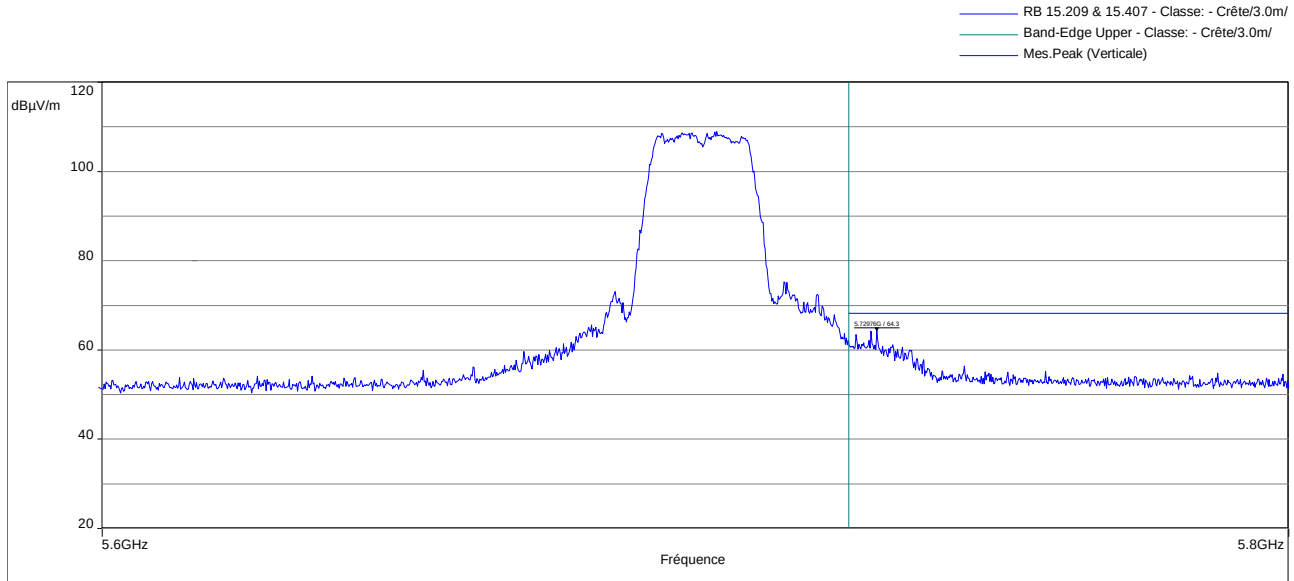
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Note : $EIRP (dBm) = E (dBμV/m) + 20 \log (D) - 104.8$; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5700	108.79	Peak	5729.76	-44.49	64.30	68.20 (Note)	3.90

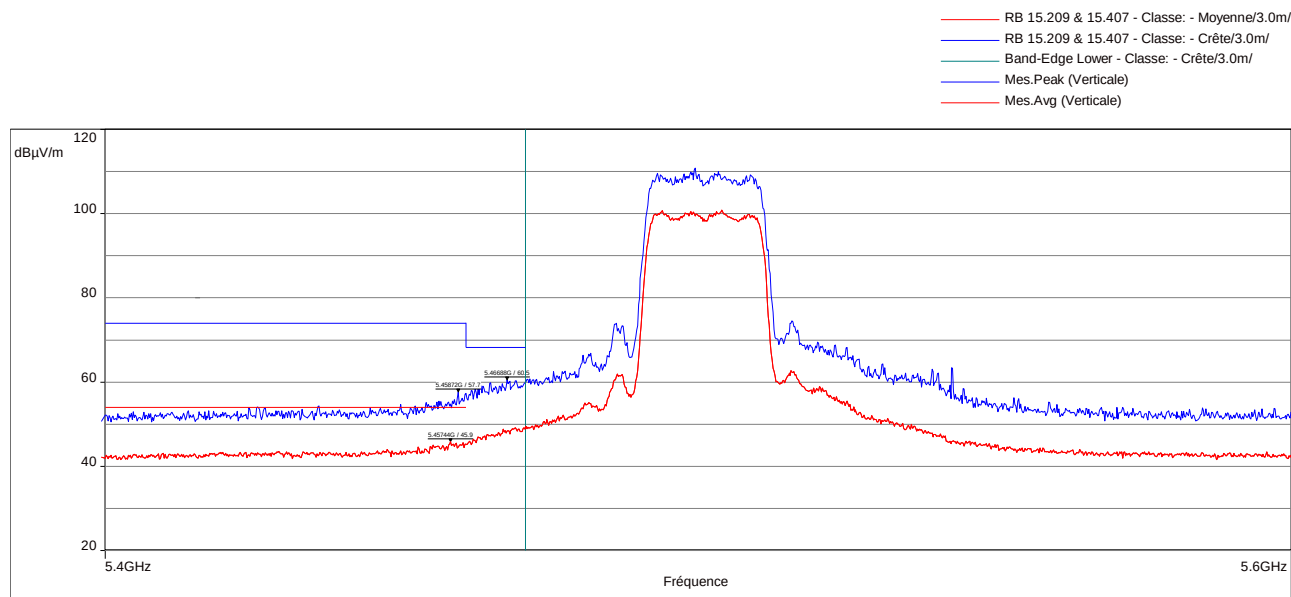
(1) Marker-Delta method

Note : EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm

Band U-NII-2C – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5500	110.86	Peak	5466.88	-50.36	60.50	68.20 (Note)	7.70
5500	110.86	Peak	5458.72 (2)	-53.16	57.70	74.00	16.30
5500	100.89	Average	5454.56 (2)	-54.99	45.90 (3)	54.00	8.10

(1) Marker-Delta method

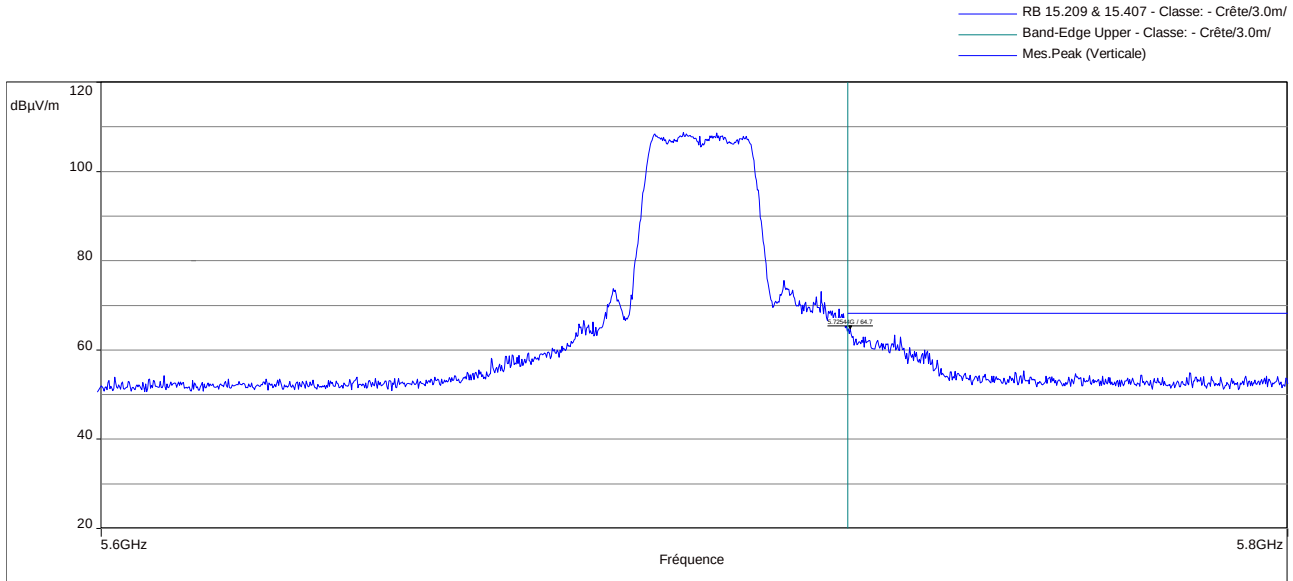
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Note : EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5700	108.72	Peak	5725.44	-44.02	64.70	68.20 (Note)	3.50

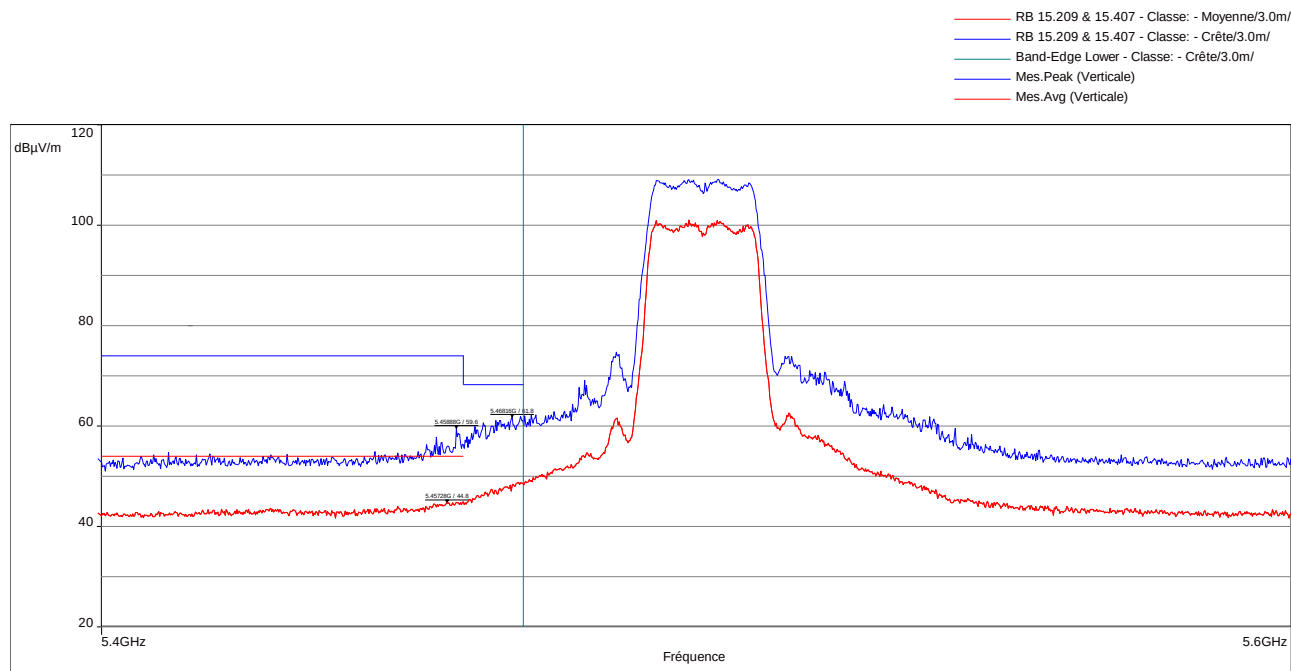
(1) Marker-Delta method

Note : EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm

Band U-NII-2C – mode 802.11ac – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5500	108.97	Peak	5468.16	-47.17	61.80	68.20 (Note)	6.40
5500	100.98	Peak	5458.80 (2)	-41.38	59.60	74.00	14.40
5500	100.98	Average	5457.28 (2)	-56.18	44.80 (3)	54.00	9.20

(1) Marker-Delta method

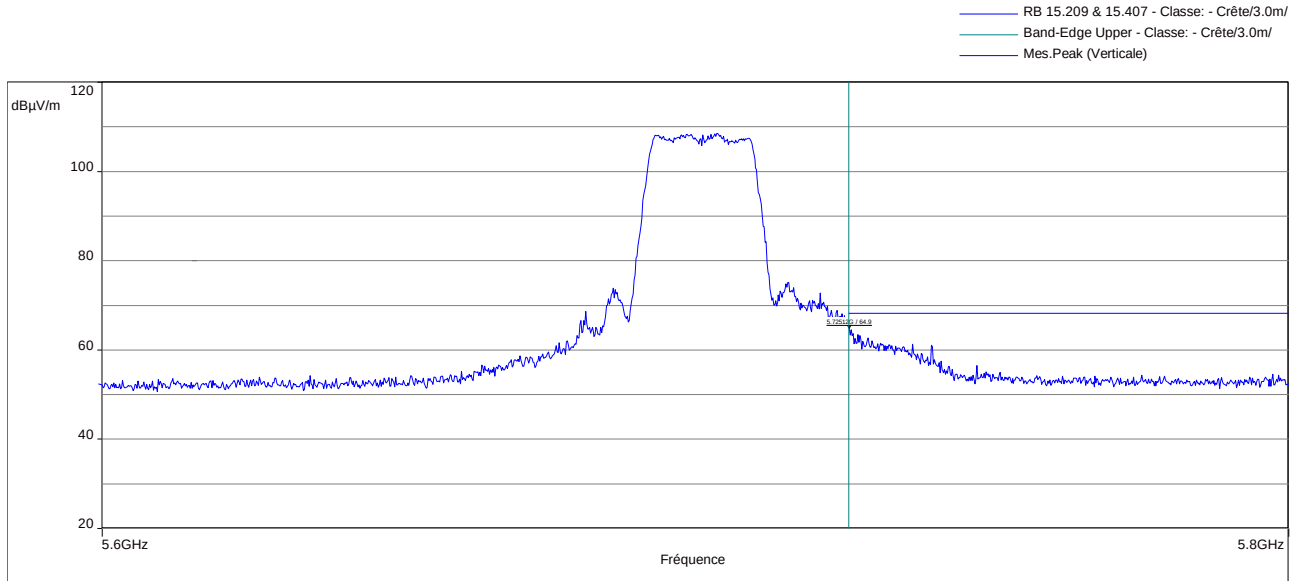
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Note : EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5700	108.56	Peak	5725.12	-43.66	64.90	68.20 (Note)	3.30

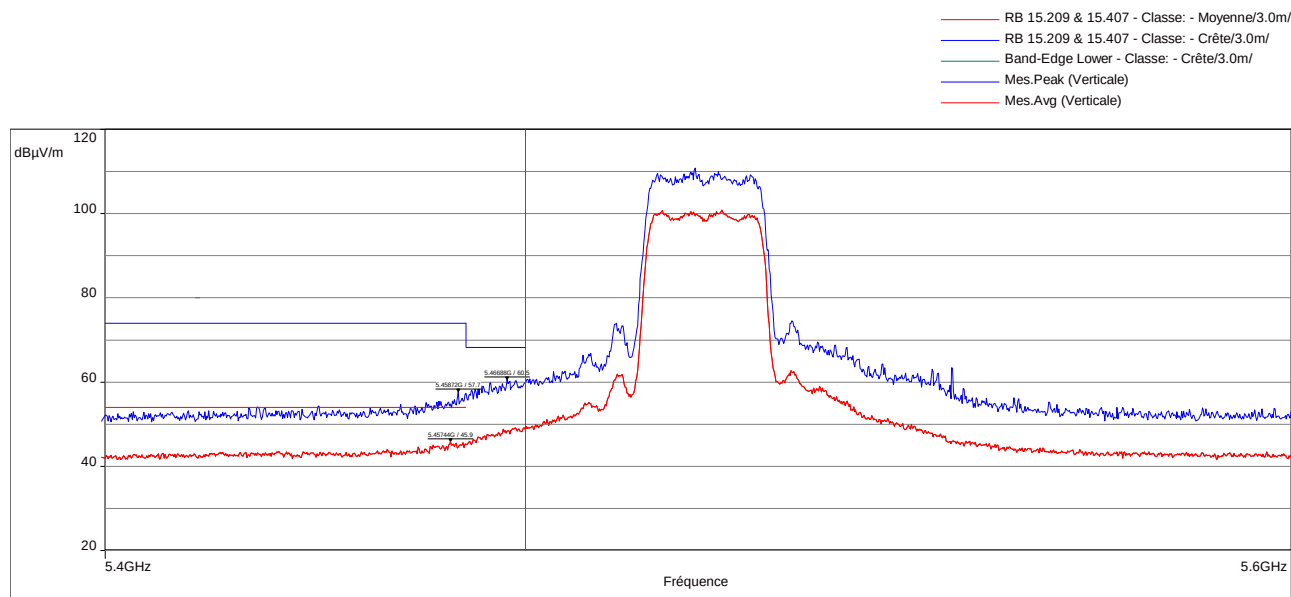
(1) Marker-Delta method

Note : EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm

Band U-NII-2C – mode 802.11ax – Bandwidth: 20 MHz

Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5500	110.86	Peak	5466.88	-50.36	60.50	68.20 (Note)	7.70
5500	110.86	Peak	5458.72 (2)	-53.16	57.70	74.00	16.30
5500	100.89	Average	5457.44 (2)	-54.99	45.90 (3)	54.00	8.10

(1) Marker-Delta method

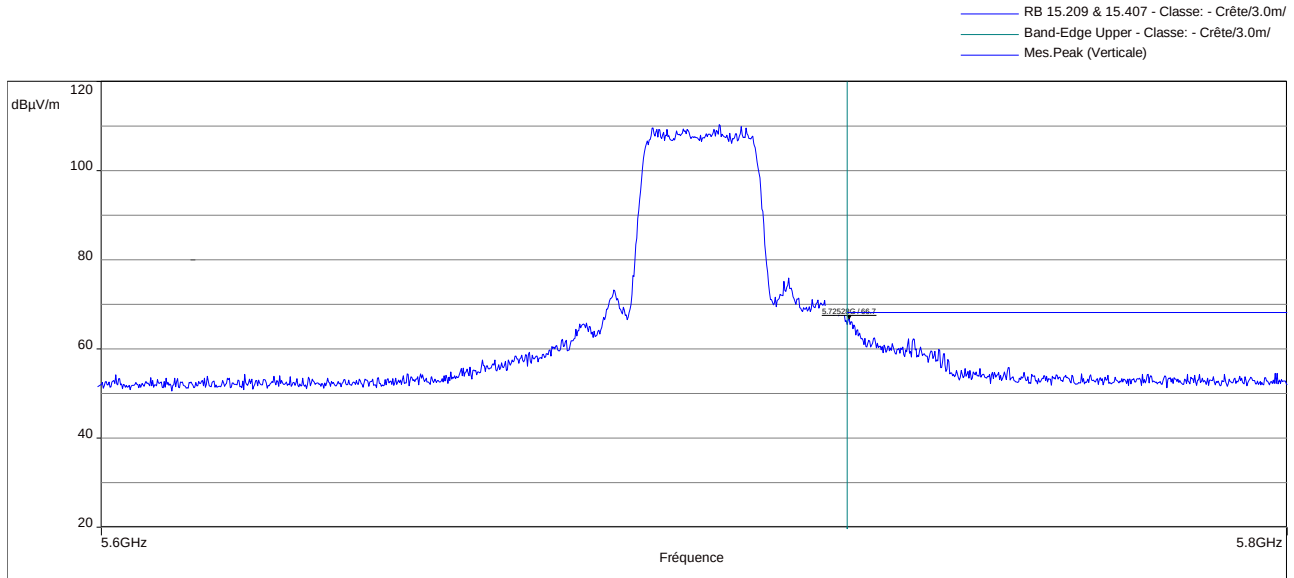
(2) Restricted bands of operation in 15.205

(2) Restricted bands of operation as defined in Table 6 of RSS-Gen

(3) Duty-Factor included

Note : EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5700	110.30	Peak	5725.28	-43.60	66.70	68.20 (Note)	1.50

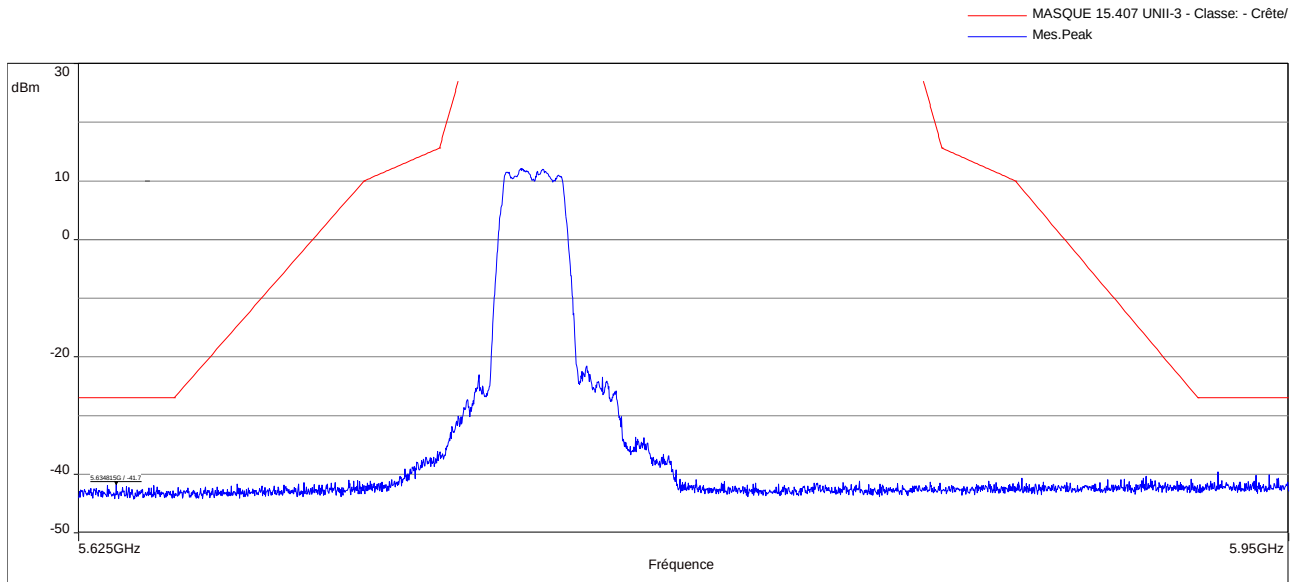
(1) Marker-Delta method

Note : EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

According this, 68.2 dBμV/m at 3 m distance corresponds to -27 dBm

Band U-NII-3 – mode 802.11a – Bandwidth: 20 MHz

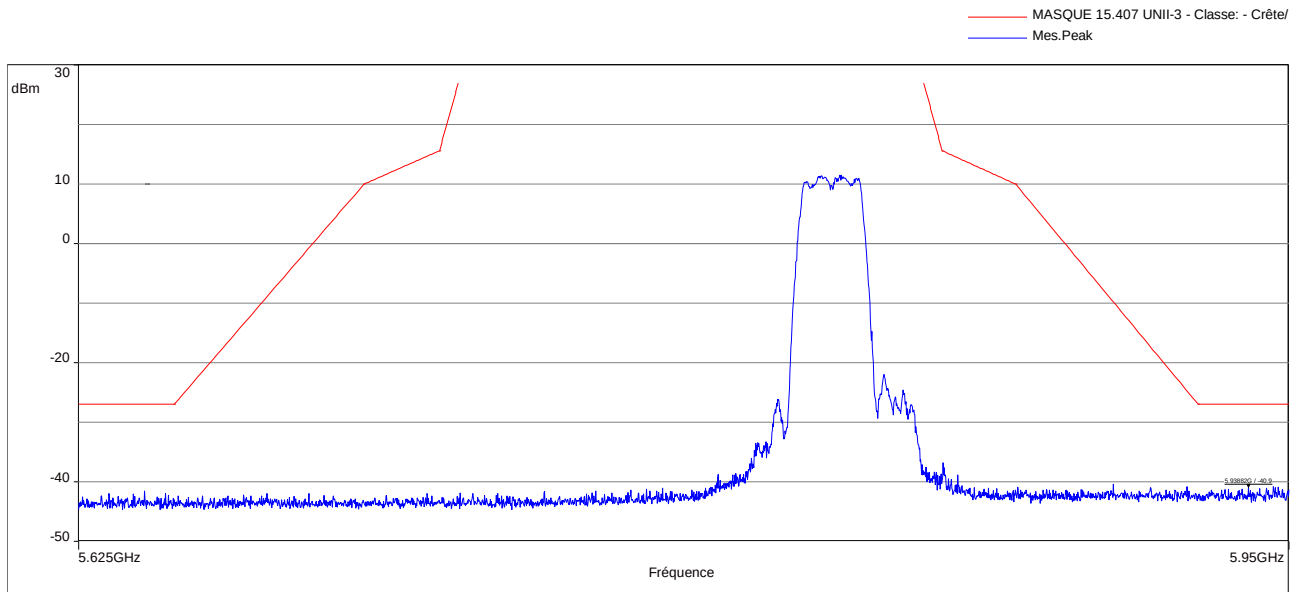
Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBm)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level EIRP (dBm/MHz) (2)	Limit EIRP (dBm/MHz)	Margin (dB)
5745	12.16	Peak	5634.81	-53.86	-41.70	-27.00	14.70

(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$



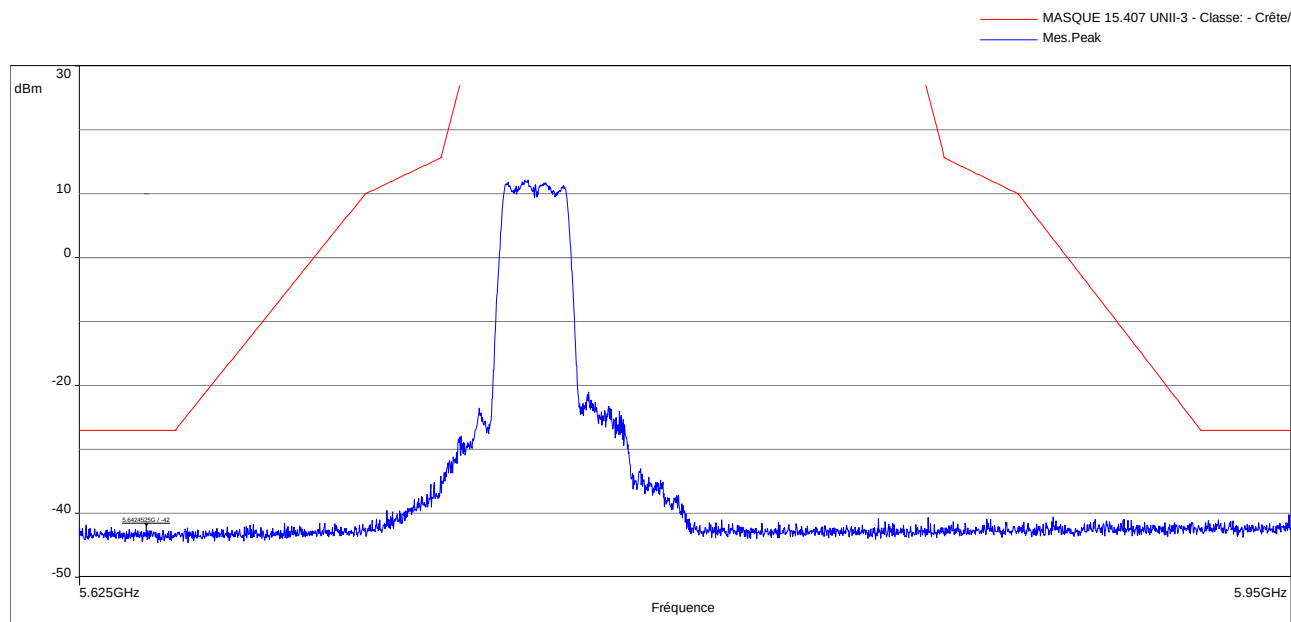
Fundamental frequency (MHz)	Field Strength Level of fundamental (dBm)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level EIRP (dBm/MHz) (2)	Limit EIRP (dBm/MHz)	Margin (dB)
5825	11.45	Peak	5938.82	-52.35	-40.90	-27.00	13.90

(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$

Band U-NII-3 – mode 802.11n – Bandwidth: 20 MHz

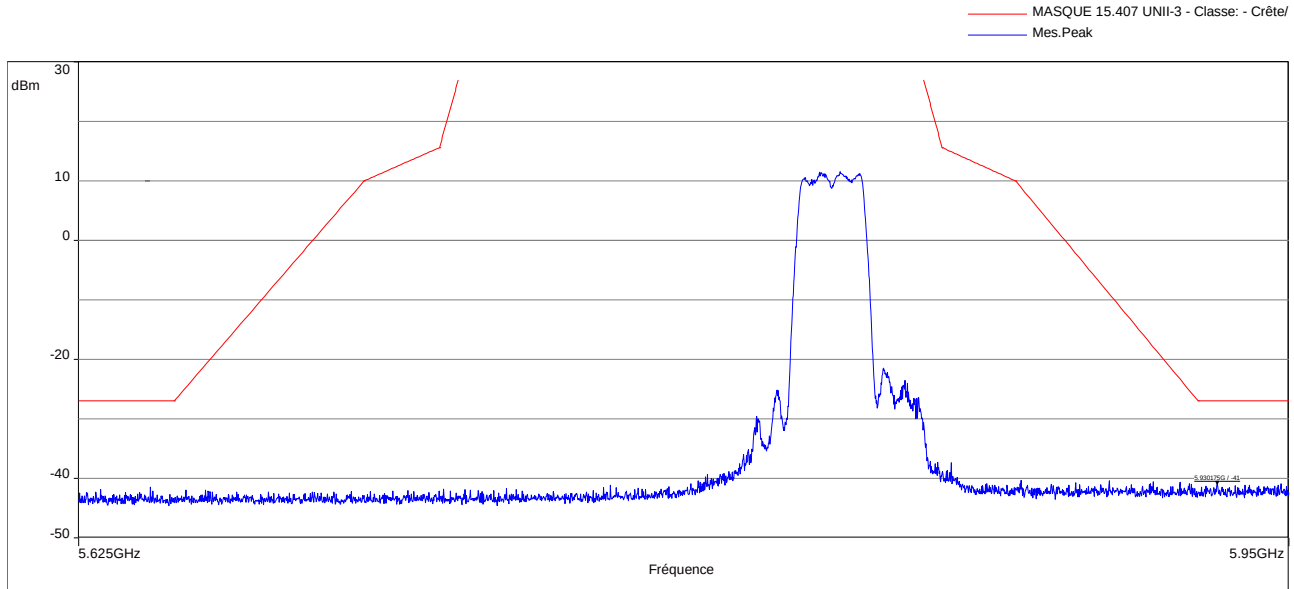
Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBm)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level EIRP (dBm/MHz) (2)	Limit EIRP (dBm/MHz)	Margin (dB)
5745	12.17	Peak	5642.45	-54.17	-42.00	-27.00	15.00

(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$

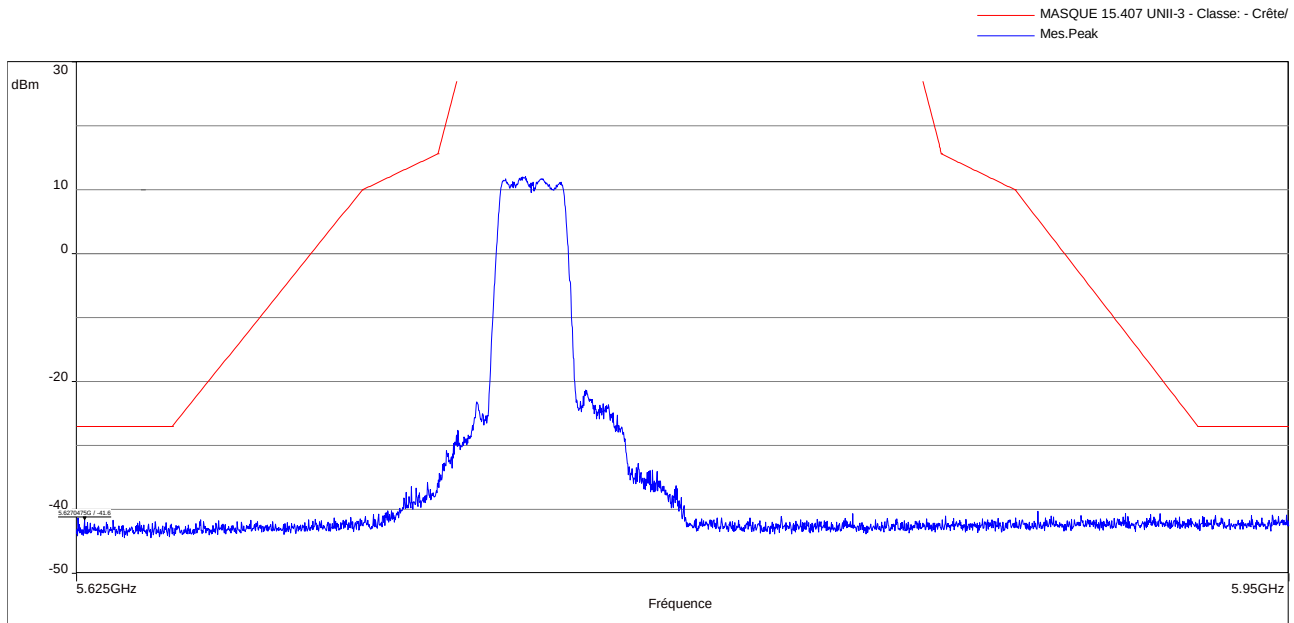


(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$

Band U-NII-3 – mode 802.11ac – Bandwidth: 20 MHz

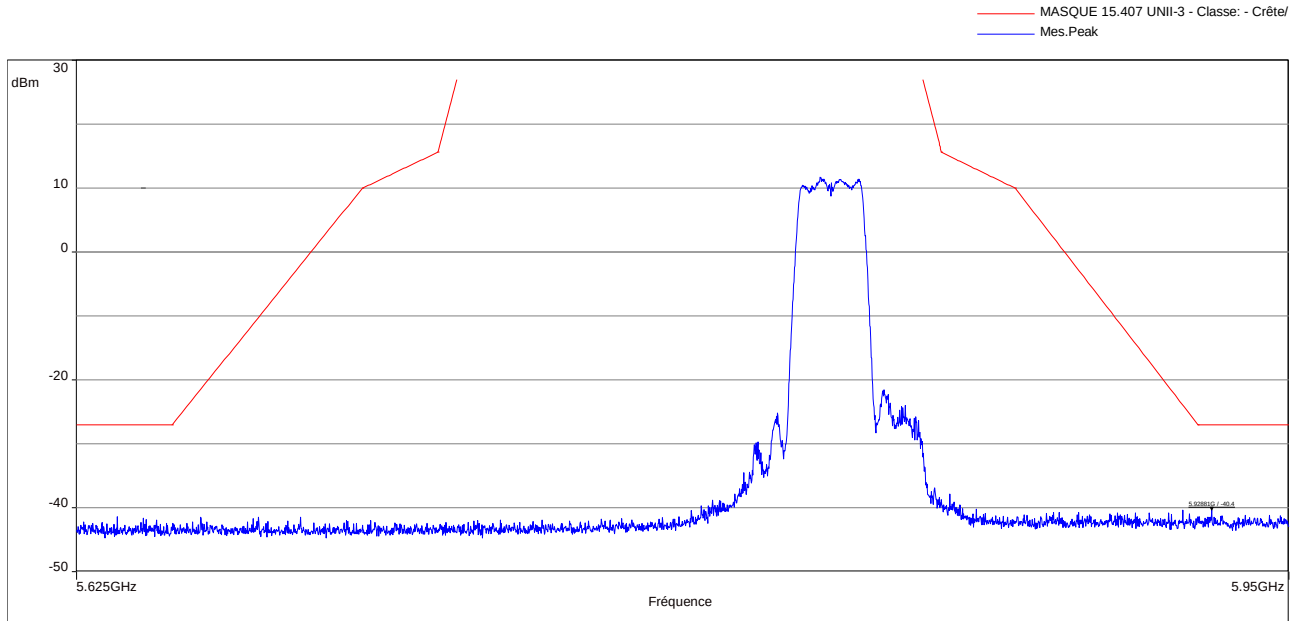
Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBm)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level EIRP (dBm/MHz) (2)	Limit EIRP (dBm/MHz)	Margin (dB)
5745	12.02	Peak	5627.04	-53.62	-41.60	-27.00	14.60

(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$



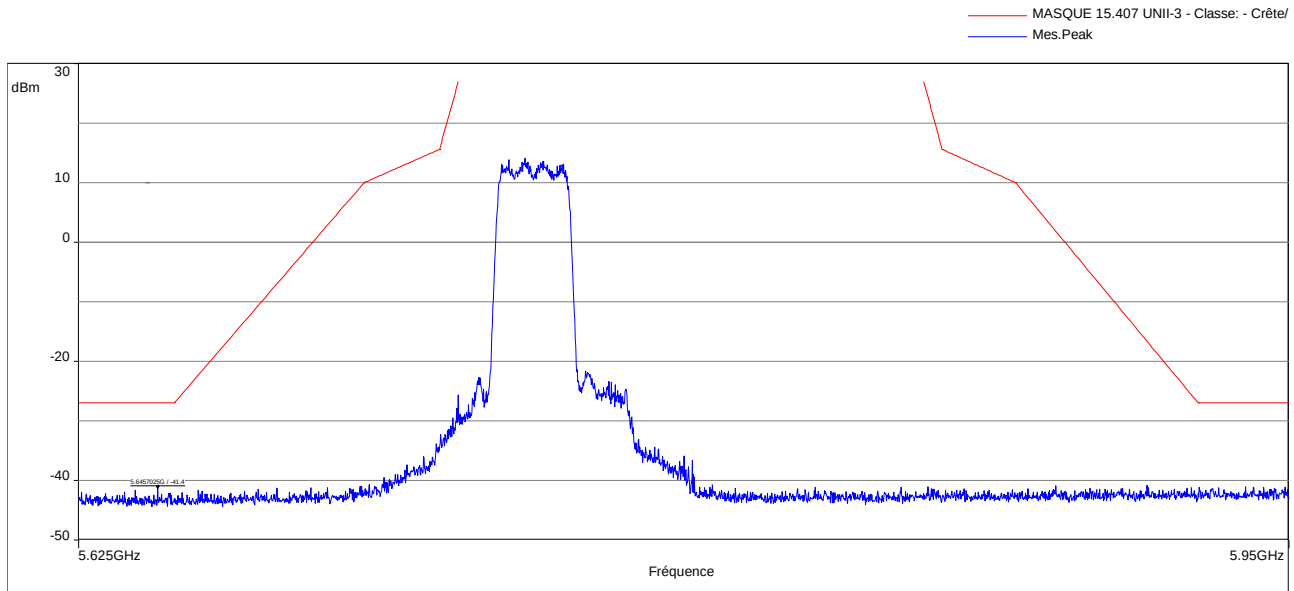
Fundamental frequency (MHz)	Field Strength Level of fundamental (dBm)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level EIRP (dBm/MHz) (2)	Limit EIRP (dBm/MHz)	Margin (dB)
5825	11.68	Peak	5928.81	-52.08	-40.40	-27.00	13.40

(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$

Band U-NII-3 – mode 802.11ax – Bandwidth: 20 MHz

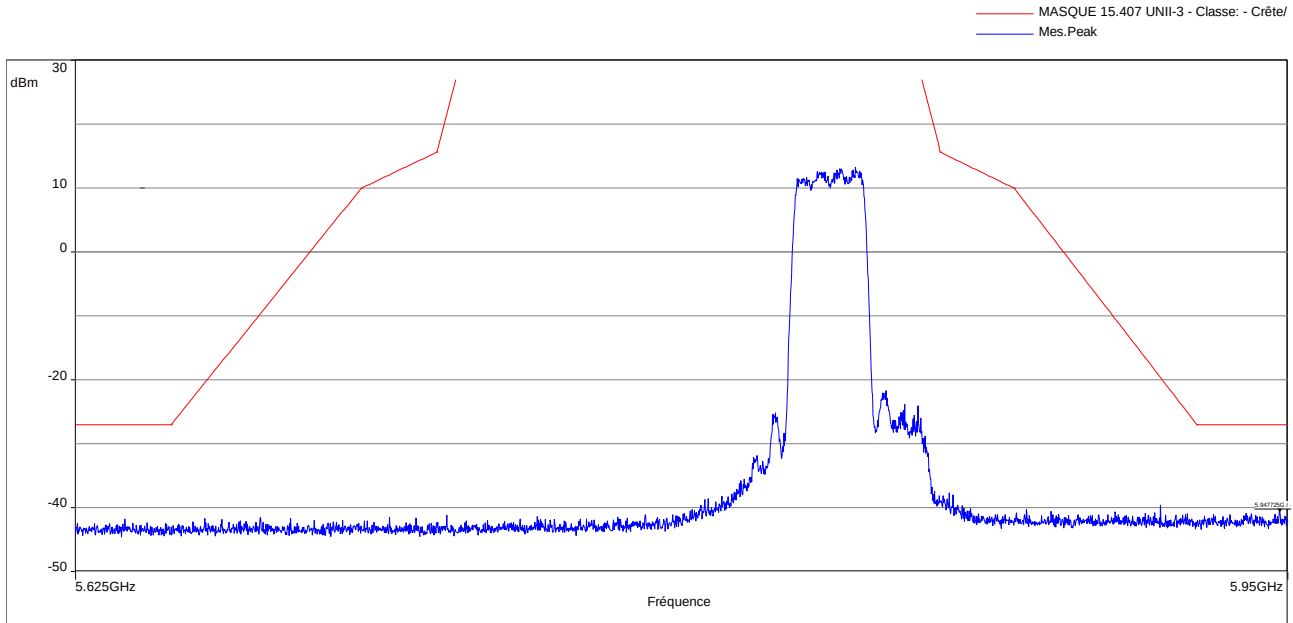
Sample N° 1:



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBm)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level EIRP (dBm/MHz) (2)	Limit EIRP (dBm/MHz)	Margin (dB)
5745	14.10	Peak	5645.70	-55.50	-41.40	-27.00	14.40

(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$



Fundamental frequency (MHz)	Field Strength Level of fundamental (dBm)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Delta Marker (dB) (1)	Calculated Max Out-of-Band Emission Level EIRP (dBm/MHz) (2)	Limit EIRP (dBm/MHz)	Margin (dB)
5825	13.26	Peak	5947.72	-53.86	-40.60	-27.00	13.60

(1) Marker-Delta method

(2) According KDB 412172: $EIRP = (E \times d)^2 / 30$

Test conclusion:

RESPECTED STANDARD

11. CONDUCTED OUTPUT POWER**Temperature (°C) :** 23 to 27**Humidity (%HR):** 49 to 50**Date :** July 18, 2025 to
August 24, 2025**Technician :** B. VOVARD**Standard:** FCC Part 15
RSS-247**Test procedure:**

For FCC Part 15: Paragraph 15.215, 15.407 a (1) to a (3)

For RSS-247: paragraph 6.2

Method: paragraph II.E.3 b) of KDB 789033 (method PM-G) "*Measurement using a gated RF average power meter*"**Test set up:**

First an exploratory radiated measurement was performed. During this phase the product is oriented in three orthogonal planes.

Then the final measurement is realized with the product on the most critical orientation.

The system is tested in anechoic chamber, the EUT is placed on a rotating table, 1.5 m from a ground plane.

Zero degree azimuths correspond to the front of the device under test.

See test setup in appendix 3.

Next a power sensor was used on output port of the EUT and measured on each transmission cycle.

Then the measure is adjusted with the duty cycle correction factor ($10\log(1/x)$ with x is the duty cycle) and antenna gain to finally result in conducted mode.

Equipment under test operating condition:

The equipment under test is blocked in continuous modulated transmission mode with the power setting at 20 dBm.

Power source: 5 Vdc through a USB of laptop

Percentage of voltage variation during the test (%):

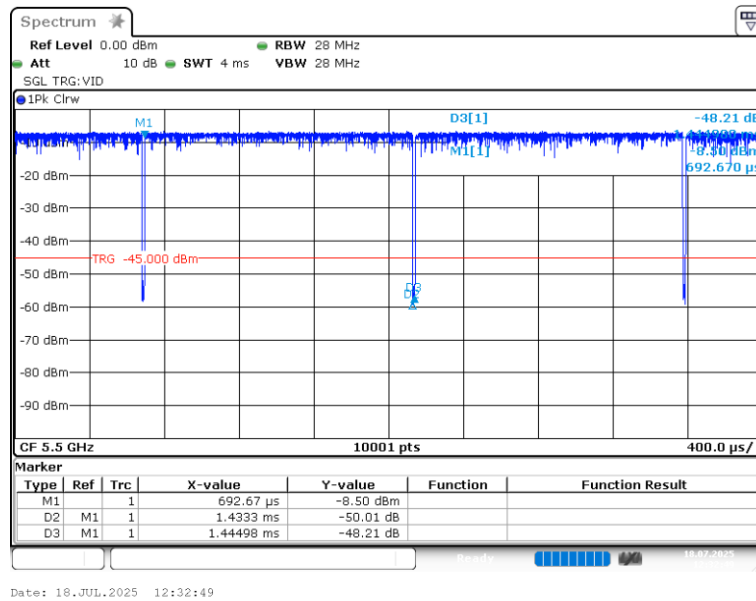
 ± 1

Results:

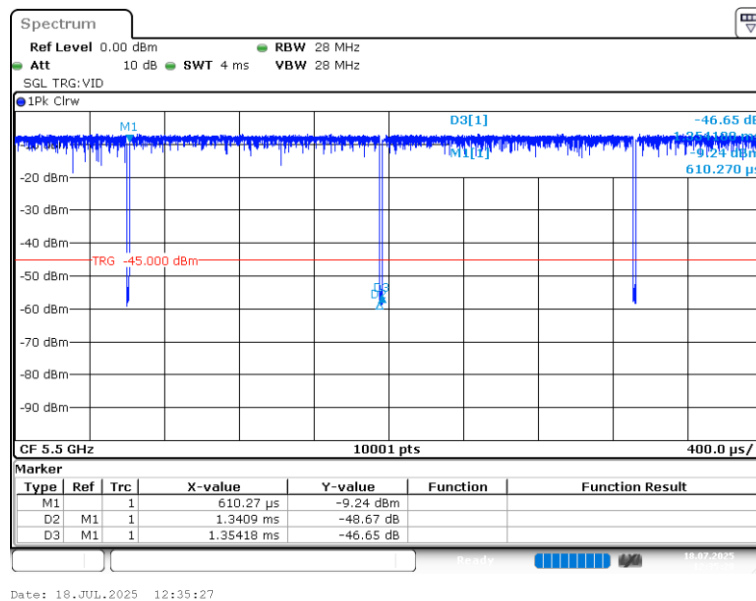
Duty Cycle of Test Signal :

Duty cycle of test signal is < 98%, duty factor shall be considered.

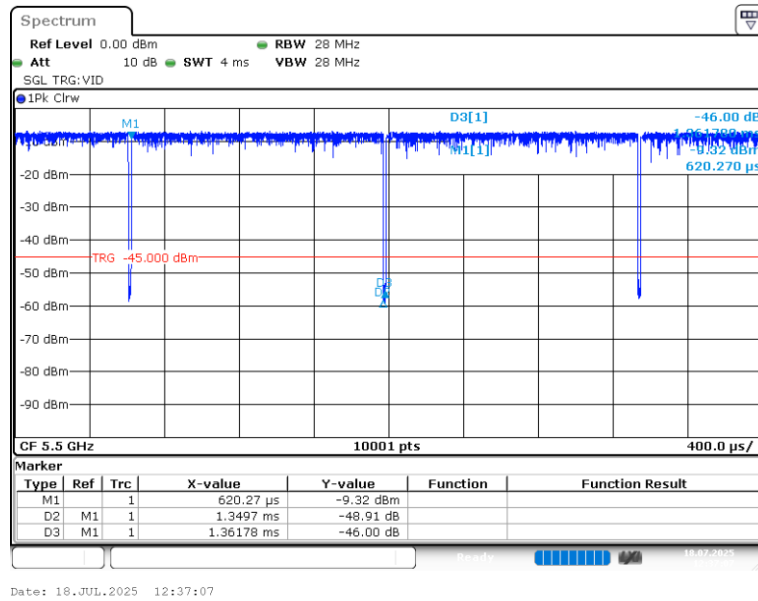
802.11a: Duty cycle = 1.433 ms / 1.444 ms = 0.992, Duty factor = $10 * \log(1 / 0.992) = 0.034$ dB



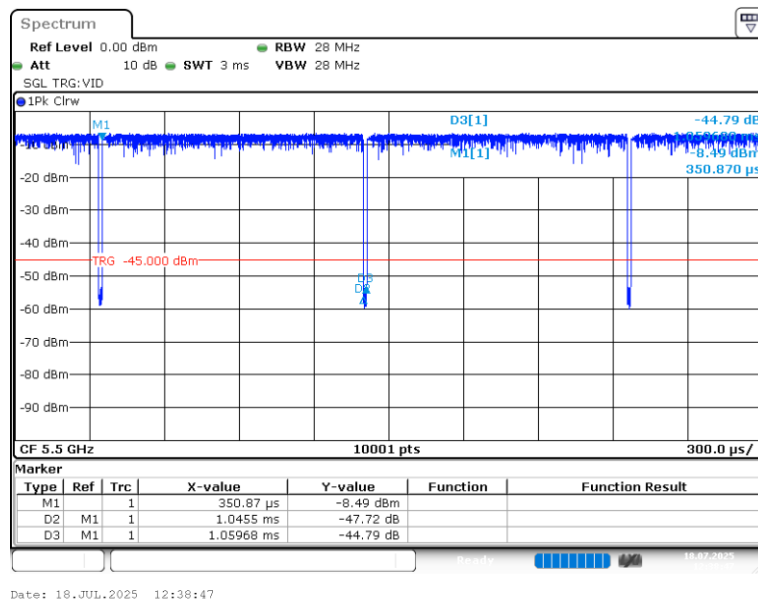
802.11n: Duty cycle = 1.340 ms / 1.354 ms = 0.989, Duty factor = $10 * \log(1 / 0.989) = 0.048$ dB



802.11ac: Duty cycle = 1.349 ms / 1.361 ms = 0.991, Duty factor = $10 * \log(1 / 0.991) = 0.039$ dB



802.11ax: Duty cycle = 1.045 ms / 1.059 ms = 0.986, Duty factor = $10 * \log(1 / 0.986) = 0.061$ dB



Band U-NII-1 – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 36 (F = 5180 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.20	0.066	16.05	0.040	0.250 / 0.170 (2)

Polarization of test antenna: Horizontal (height: 190 cm)

Position of equipment: Position 2 (azimuth: 329 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 16.990$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 40 (F = 5200 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.41	0.069	16.26	0.042	0.250 / 0.170 (2)

Polarization of test antenna: Horizontal (height: 120 cm)

Position of equipment: Position 2 (azimuth: 270 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 16.950$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 48 (F = 5240 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.19	0.066	16.04	0.040	0.250 / 0.169 (2)

Polarization of test antenna: Horizontal (height: 198 cm)

Position of equipment: Position 2 (azimuth: 333 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 16.922$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2A – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 52 (F = 5260 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.04	0.064	15.89	0.039	0.214 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 330 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 16.986$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 60 (F = 5300 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.77	0.048	14.62	0.029	0.213 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 64 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 16.914$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 64 (F = 5320 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.37	0.043	14.22	0.026	0.213 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 91 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 16.926$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2C – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 100 (F = 5500 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	15.67	0.037	13.52	0.022	0.215 (2)

Polarization of test antenna: Horizontal (height: 172 cm)

Position of equipment: Position 2 (azimuth: 55 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.042$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 124 (F = 5620 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.10	0.026	11.95	0.016	0.213 (2)

Polarization of test antenna: Horizontal (height: 207 cm)

Position of equipment: Position 2 (azimuth: 61 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 16.910$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 140 (F = 5700 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.66	0.029	12.51	0.018	0.214 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 16.962$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-3 – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 149 (F = 5745 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.44	0.028	12.29	0.017	1

Polarization of test antenna: Horizontal (height: 193 cm)

Position of equipment: Position 2 (azimuth: 320 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 157 (F = 5785 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.48	0.028	12.33	0.017	1

Polarization of test antenna: Horizontal (height: 129 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 165 (F = 5825 MHz) – Mode 802.11a

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	13.26	0.021	11.11	0.013	1

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 325 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-1 – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1 Channel 36 (F = 5180 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.20	0.066	16.05	0.040	0.250 / 0.179 (2)

Polarization of test antenna: Horizontal (height: 190 cm)

Position of equipment: Position 2 (azimuth: 329 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 17.926$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 40 (F = 5200 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.43	0.070	16.28	0.042	0.250 / 0.178 (2)

Polarization of test antenna: Horizontal (height: 120 cm)

Position of equipment: Position 2 (azimuth: 270 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 17.794$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 48 (F = 5240 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.20	0.066	16.05	0.040	0.250 / 0.178 (2)

Polarization of test antenna: Horizontal (height: 198 cm)

Position of equipment: Position 2 (azimuth: 333 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 17.758$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2A – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1 Channel 52 (F = 5260 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.20	0.066	16.05	0.040	0.224 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 330 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.794$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 60 (F = 5300 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.70	0.047	14.55	0.029	0.223 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 64 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.746$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 64 (F = 5320 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.34	0.043	14.19	0.026	0.223 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 91 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.750$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2C – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1 Channel 100 (F = 5500 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	15.61	0.036	13.46	0.022	0.224 (2)

Polarization of test antenna: Horizontal (height: 172 cm)

Position of equipment: Position 2 (azimuth: 55 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.786$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 124 (F = 5620 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	13.94	0.025	11.79	0.015	0.223 (2)

Polarization of test antenna: Horizontal (height: 207 cm)

Position of equipment: Position 2 (azimuth: 61 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.746$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 140 (F = 5700 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.62	0.029	12.47	0.018	0.224 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.770$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-3 – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1 Channel 149 (F = 5745 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.30	0.027	12.15	0.016	1

Polarization of test antenna: Horizontal (height: 190 cm)

Position of equipment: Position 2 (azimuth: 320 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 157 (F = 5785 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.45	0.028	12.30	0.017	1

Polarization of test antenna: Horizontal (height: 129 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 165 (F = 5825 MHz) – Mode 802.11n

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	13.46	0.022	11.31	0.014	1

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 325 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-1 – mode 802.11ac – Bandwidth: 20 MHz

Sample N° 1 Channel 36 (F = 5180 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.27	0.067	16.12	0.041	0.250 / 0.178 (2)

Polarization of test antenna: Horizontal (height: 190 cm)

Position of equipment: Position 2 (azimuth: 329 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 17.826$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 40 (F = 5200 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.22	0.066	16.07	0.040	0.250 / 0.178 (2)

Polarization of test antenna: Horizontal (height: 120 cm)

Position of equipment: Position 2 (azimuth: 270 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 17.790$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 48 (F = 5240 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.24	0.067	16.09	0.041	0.250 / 0.178 (2)

Polarization of test antenna: Horizontal (height: 198 cm)

Position of equipment: Position 2 (azimuth: 333 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 17.774$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2A – mode 802.11ac – Bandwidth: 20 MHz

Sample N° 1 Channel 52 (F = 5260 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.15	0.065	16.00	0.040	0.224 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 330 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.782 \text{ MHz}$

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 60 (F = 5300 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.82	0.048	14.67	0.029	0.223 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 64 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.746 \text{ MHz}$

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 64 (F = 5320 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.50	0.045	14.35	0.027	0.223 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 91 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.742$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2C – mode 802.11ac – Bandwidth: 20 MHz

Sample N° 1 Channel 100 (F = 5500 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	15.69	0.037	13.54	0.023	0.224 (2)

Polarization of test antenna: Horizontal (height: 172 cm)

Position of equipment: Position 2 (azimuth: 55 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.814$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 124 (F = 5620 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	13.92	0.025	11.77	0.015	0.223 (2)

Polarization of test antenna: Horizontal (height: 207 cm)

Position of equipment: Position 2 (azimuth: 61 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.746$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 140 (F = 5700 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.66	0.029	12.51	0.018	0.224 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.758$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-3 – mode 802.11ac – Bandwidth: 20 MHz

Sample N° 1 Channel 149 (F = 5745 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.34	0.027	12.19	0.017	1

Polarization of test antenna: Horizontal (height: 193 cm)

Position of equipment: Position 2 (azimuth: 320 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 157 (F = 5785 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.52	0.028	12.37	0.017	1

Polarization of test antenna: Horizontal (height: 129 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 165 (F = 5825 MHz) – Mode 802.11ac

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	13.49	0.022	11.34	0.014	1

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 325 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-1 – mode 802.11ax – Bandwidth: 20 MHz

Sample N° 1 Channel 36 (F = 5180 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.30	0.068	16.15	0.041	0.250 / 0.188 (2)

Polarization of test antenna: Horizontal (height: 190 cm)

Position of equipment: Position 2 (azimuth: 329 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 18.822$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 40 (F = 5200 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.01	0.063	15.86	0.039	0.250 / 0.188 (2)

Polarization of test antenna: Horizontal (height: 120 cm)

Position of equipment: Position 2 (azimuth: 270 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 18.798$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 48 (F = 5240 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.24	0.067	16.09	0.041	0.250 / 0.188 (2)

Polarization of test antenna: Horizontal (height: 198 cm)

Position of equipment: Position 2 (azimuth: 333 degrees)

(1) duty cycle included

(2) for Canada limit is $10 + 10 \log B$ (dBm) with $B = 18.802$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2A – mode 802.11ax – Bandwidth: 20 MHz

Sample N° 1 Channel 52 (F = 5260 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	18.20	0.066	16.05	0.040	0.237 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 330 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 18.814$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 60 (F = 5300 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.72	0.047	14.57	0.029	0.237 (2)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 64 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 18.806$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 64 (F = 5320 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	16.33	0.043	14.18	0.026	0.237 (a)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 91 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 18.806$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-2C – mode 802.11ax – Bandwidth: 20 MHz

Sample N° 1 Channel 100 (F = 5500 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	15.71	0.037	13.56	0.023	0.237 (2)

Polarization of test antenna: Horizontal (height: 172 cm)

Position of equipment: Position 2 (azimuth: 55 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 18.834$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 124 (F = 5620 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.03	0.025	11.88	0.015	0.237 (a)

Polarization of test antenna: Horizontal (height: 207 cm)

Position of equipment: Position 2 (azimuth: 61 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 18.806$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 140 (F = 5700 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.73	0.030	12.58	0.018	0.224 (a)

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

(2) limit is $11 + 10 \log B$ (dBm) with $B = 17.822$ MHz

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Band U-NII-3 – mode 802.11ax – Bandwidth: 20 MHz

Sample N° 1 Channel 149 (F = 5745 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.32	0.027	12.17	0.016	1

Polarization of test antenna: Horizontal (height: 193 cm)

Position of equipment: Position 2 (azimuth: 320 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 157 (F = 5785 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	14.58	0.029	12.43	0.017	1

Polarization of test antenna: Horizontal (height: 129 cm)

Position of equipment: Position 2 (azimuth: 319 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Sample N° 1 Channel 165 (F = 5825 MHz) – Mode 802.11ax

	Maximum Average EIRP		Maximum Average conducted output power (1)		Limit (W)
	(dBm)	(W)	(dBm)	(W)	
Nominal supply voltage: 5 Vdc	13.55	0.023	11.40	0.014	1

Polarization of test antenna: Horizontal (height: 150 cm)

Position of equipment: Position 2 (azimuth: 325 degrees)

(1) duty cycle included

Maximum Average conducted output power = Maximum Average EIRP (dBm) - Gain declared of 2.15 dBi.

Test conclusion:

RESPECTED STANDARD

12. RADIATED SPURIOUS EMISSIONS**Temperature (°C) :** 25 to 26**Humidity (%HR):** 42 to 50**Date :** August 25, 2025 and
August 28, 2025**Technician :** B. VOVARD**Standard:** FCC Part 15
RSS-247**Test procedure:**

For FCC Part 15: Paragraph 15.215, 15.407 b

For RSS-247: paragraph 6.2

Method:paragraph II.G.1 of KDB 789033 "*Unwanted Emissions in the Restricted Bands*"Method:paragraph II.G.2 of KDB 789033 "*Unwanted Emissions that fall Outside of the Restricted Bands*"Method:paragraph II.G.3 of KDB 789033 "*General Requirements for Unwanted Emissions Measurements*"Method:paragraph II.G.4 of KDB 789033 "*Unwanted Emissions Measurements below 1000 MHz*"Method:paragraph II.G.5 of KDB 789033 "*Unwanted Maximum Emissions Measurements above 1000 MHz*"Method:paragraph II.G.6 of KDB 789033 (method AD) "*Average Unwanted Emissions Measurements above 1000 MHz*"**Test set up:** (Refer Appendix 3)

First an exploratory radiated measurement was performed. During this phase the product is oriented in three orthogonal planes.

Then the final measurement is realized with the product on the most critical orientation.

The measure is realized in anechoic chamber for preliminary tests under 1 GHz and in anechoic chamber above 1 GHz.

When the system is tested in anechoic chamber, the EUT is placed on a rotating table, 1.5 m from a ground plane.

When the system is tested in anechoic chamber, the EUT is placed on a rotating table, 1.5 m from a ground plane.

Zero degree azimuths correspond to the front of the device under test.

See test setup in appendix 3.

Frequency range: From 9 kHz to 40 GHz**Detection mode:** Quasi-peak ($F < 1$ GHz)Peak / Average ($F > 1$ GHz)**Bandwidth:** 200Hz ($9 \text{ kHz} < F < 150\text{kHz}$)
9 kHz ($150 \text{ kHz} < F < 30\text{MHz}$)
120 kHz ($30 \text{ MHz} < F < 1 \text{ GHz}$)
1 MHz ($F > 1 \text{ GHz}$)

Distance of antenna: 3 m until 18 GHz
0.92 m between 18 GHz and 40 GHz

Antenna height: 1 to 4 meters (in open area test site) /1.5 meter (in anechoic room)

Antenna polarization: vertical and horizontal (only the highest level is recorded)

Equipment under test operating condition:

The equipment under test is blocked in continuous modulated transmission mode with the power setting at 20 dBm.

Power source: 5 Vdc through a USB of laptop

Percentage of voltage variation during the test (%): ± 1

Duty cycle factor for average measurement is included on the results.

For Band-Edge Measurements, see §10.

$EIRP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20 \log (D) - 104.8$; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Results:

Band U-NII-1 – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 36 (F = 5180 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10360	P	150	353	1000	H	57.96	-37.30	-27.00	10.30
15540 (1)	P	150	320	1000	H	60.63	-	74.00	13.37
15540 (1)	Av	150	320	1000	H	49.30 (2)	-	54.00	4.70

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 40 (F = 5200 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10400	P	150	358	1000	V	56.89	-38.37	-27.00	11.37
15600 (1)	P	250	355	1000	V	61.58	-	74.00	12.42
15600 (1)	Av	250	355	1000	V	50.14 (2)	-	54.00	3.86

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 48 (F = 5240 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10480	P	150	0	1000	V	58.43	-36.83	-27.00	9.83
15720 (1)	P	150	287	1000	H	60.40	-	74.00	13.60
15720 (1)	Av	150	287	1000	H	48.39 (2)	-	54.00	5.61

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Band U-NII-2A – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 52 (F = 5260 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10520	P	120	356	1000	H	58.00	-37.26	-27.00	10.26
15780 (1)	P	150	322	1000	H	60.79	-	74.00	13.21
15780 (1)	Av	150	322	1000	H	48.55 (2)	-	54.00	5.45

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 60 (F = 5300 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10600 (1)	P	130	18	1000	V	59.74	-	74.00	14.26
10600 (1)	Av	130	18	1000	V	48.63 (2)	-	54.00	5.37
15900 (1)	P	150	318	1000	H	59.02	-	74.00	14.98
15900 (1)	Av	150	318	1000	H	47.82 (2)	-	54.00	6.18

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 64 (F = 5320 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10640 (1)	P	125	308	1000	H	58.53	-	74.00	15.47
10640 (1)	Av	125	308	1000	H	47.95 (2)	-	54.00	6.05
15960 (1)	P	150	0	1000	H	58.35	-	74.00	15.65
15960 (1)	Av	150	0	1000	H	46.58 (2)	-	54.00	7.42

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Band U-NII-2C – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 100 (F = 5500 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
11000 (1)	P	113	300	1000	H	64.73	-	74.00	9.27
11000 (1)	Av	113	300	1000	H	53.45 (2)	-	54.00	0.55
16500	P	150	0	1000	V	57.52	-37.74	-27.00	10.74

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 124 (F = 5620 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
11240 (1)	P	150	291	1000	H	62.49	-	74.00	11.51
11240 (1)	Av	150	291	1000	H	52.02 (2)	-	54.00	1.98
16860	P	150	0	1000	H	57.49	-37.77	-27.00	10.77

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 140 (F = 5700 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
11400 (1)	P	150	287	1000	H	63.27	-	74.00	10.73
11400 (1)	Av	150	287	1000	H	52.95 (2)	-	54.00	1.05
17100	P	150	0	1000	H	55.71	-39.55	-27.00	12.55

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Band U-NII-3 – mode 802.11a – Bandwidth: 20 MHz

Sample N° 1 Channel 149 (F = 5745 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
11490 (1)	P	156	291	1000	H	62.90	-	74.00	11.10
11490 (1)	Av	156	291	1000	H	52.23 (2)	-	54.00	1.77
17235	P	150	0	1000	H	55.25	-40.01	-27.00	13.01

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 157 (F = 5785 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
11570 (1)	P	150	294	1000	H	62.10	-	74.00	11.90
11570 (1)	Av	150	294	1000	H	51.54 (2)	-	54.00	2.46
17355	P	150	0	1000	H	55.60	-39.66	-27.00	12.66

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 165 (F = 5825 MHz) – Mode 802.11a

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
11650 (1)	P	150	290	1000	H	60.88	-	74.00	13.12
11650 (1)	Av	150	290	1000	H	50.44 (2)	-	54.00	3.56
17475	P	150	0	1000	H	56.32	-38.94	-27.00	11.94

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Band U-NII-1 – mode 802.11n – Bandwidth: 20 MHz

Sample N° 1 Channel 36 (F = 5180 MHz) – Mode 802.11n

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10360	P	150	353	1000	H	58.44	-36.82	-27.00	9.82
15540 (1)	P	150	320	1000	H	61.12	-	74.00	12.88
15540 (1)	Av	150	320	1000	H	49.25 (2)	-	54.00	4.75

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 40 (F = 5200 MHz) – Mode 802.11n

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10400	P	150	358	1000	V	56.83	-38.43	-27.00	11.43
15600 (1)	P	250	355	1000	V	62.17	-	74.00	11.83
15600 (1)	Av	250	355	1000	V	50.39 (2)	-	54.00	3.61

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).

Sample N° 1 Channel 48 (F = 5240 MHz) – Mode 802.11n

Frequencies (MHz)	Detector P QP Av	Antenna height (cm)	Azimuth (degree)	RBW (kHz)	Polarization H: Horizontal V: Vertical	Field strength Measured at 3 m (dBμV/m)	Field strength Computed at 3 m (dBm)	Limits (dBμV/m) or (dBm)	Margin (dB)
10480	P	150	0	1000	V	58.20	-37.06	-27.00	10.06
15720 (1)	P	150	287	1000	H	60.66	-	74.00	13.34
15720 (1)	Av	150	287	1000	H	47.93 (2)	-	54.00	6.07

P= Peak, QP=Quasi-peak, Av=Average

(1) Restricted bands of operation in 15.205

(1) Restricted bands of operation as defined in Table 6 of RSS-Gen

(2) Duty-Factor included

EIRP (dBm) = E (dBμV/m) + 20 log (D) - 104.8; where D is the measurement distance in meters and antenna Gain (considered 0 dBi).